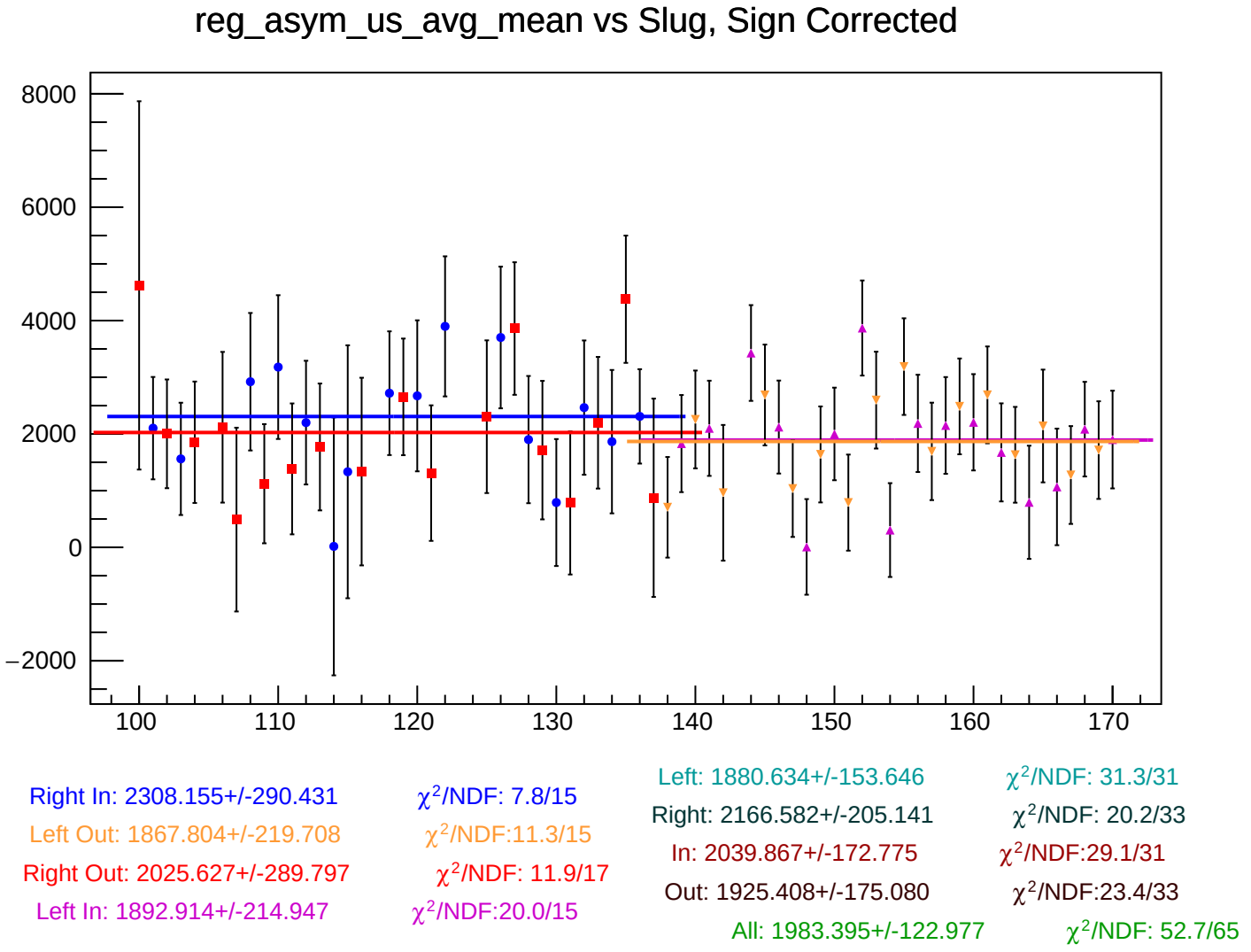
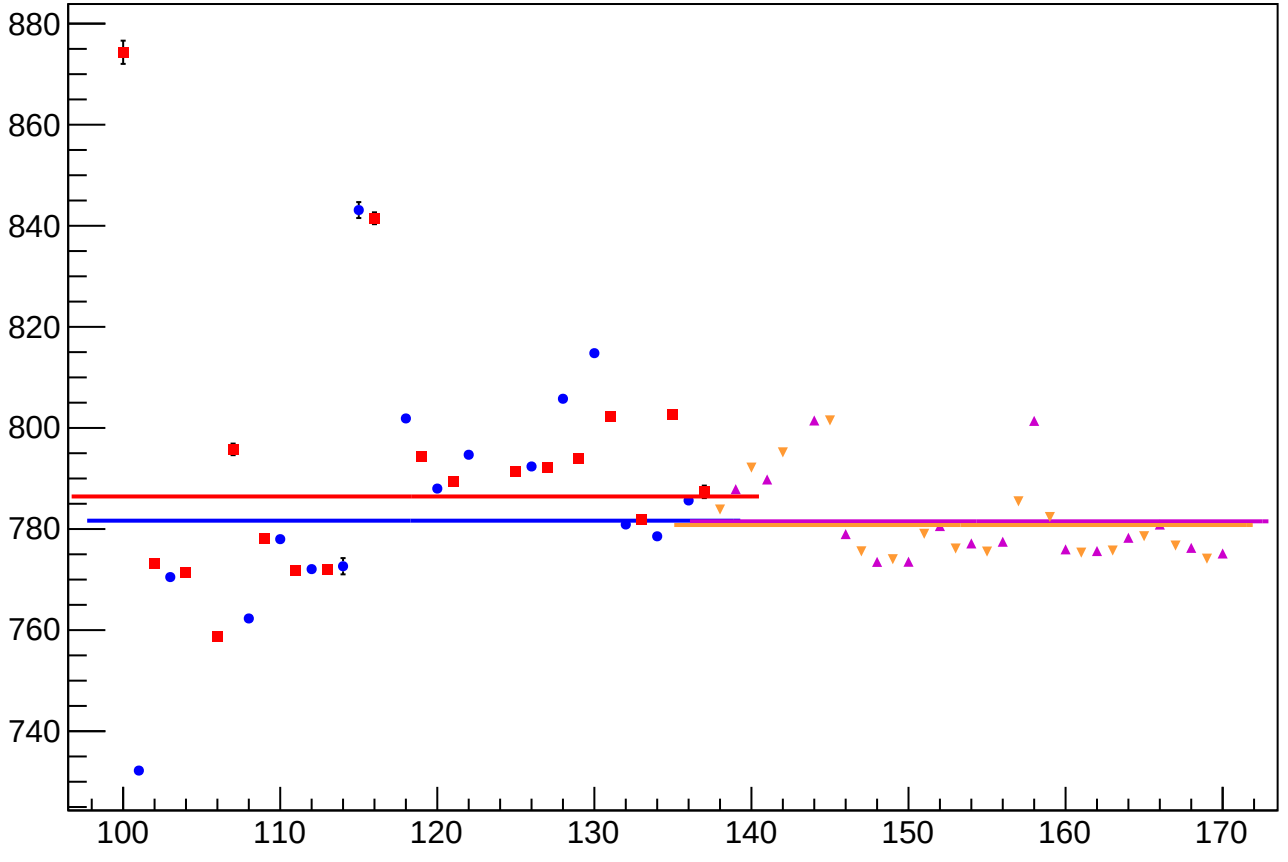

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1867.804+/-219.708 χ²/NDF:11.3/15
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 1892.914+/-214.947 χ²/NDF:20.0/15
Left: 1880.634+/-153.646 χ²/NDF: 31.3/31
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2039.867+/-172.775 χ²/NDF:29.1/31
Out: 1925.408+/-175.080 χ²/NDF:23.4/33
All: 1983.395+/-122.977 χ²/NDF: 52.7/65

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 780.796+/-0.155 χ^2/NDF:2482.2/15

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

Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

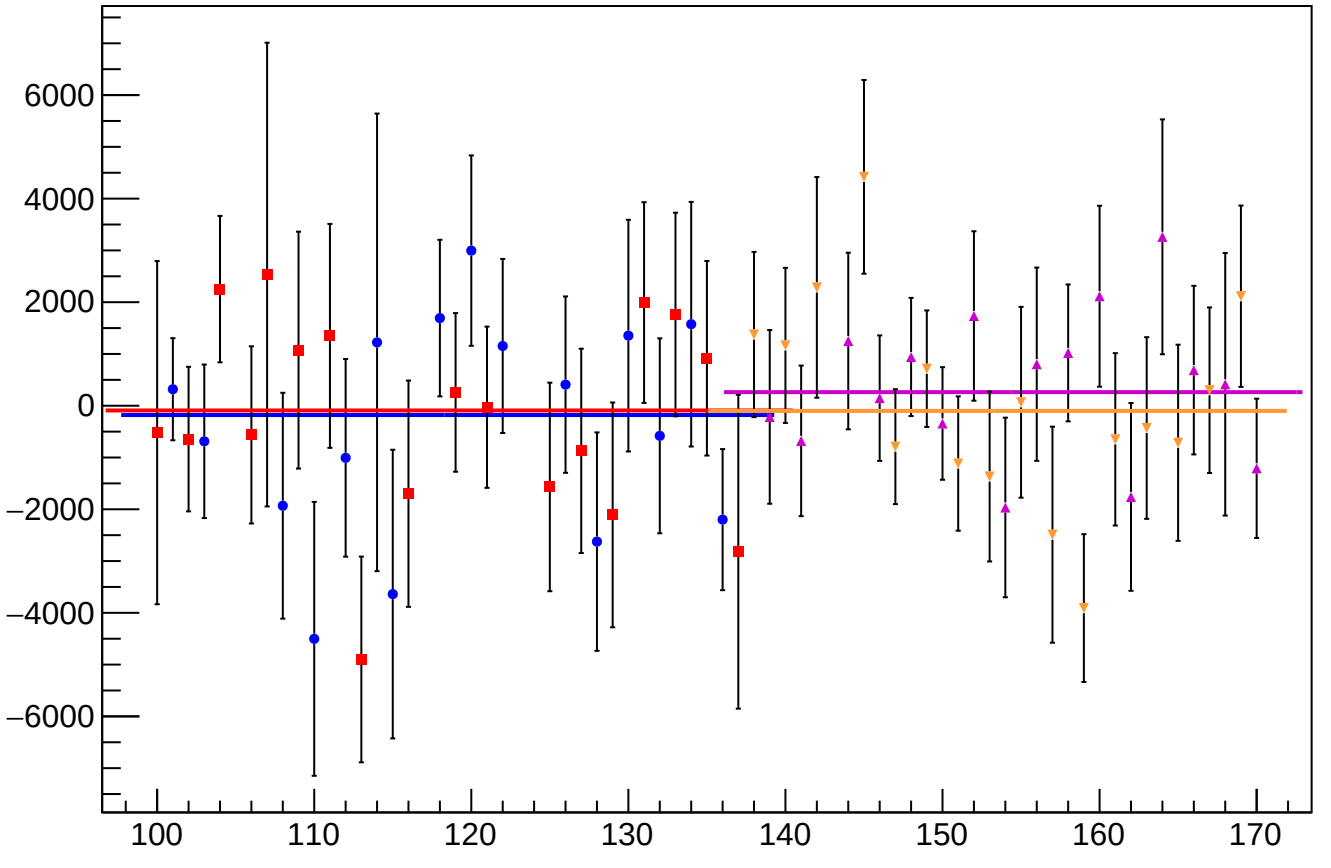
Left: 781.169+/-0.109 χ^2/NDF: 5881.8/31

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

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

Out: 782.857+/-0.124 χ^2/NDF:10166.1/33

All: 782.206+/-0.087 χ^2/NDF: 25928.3/65



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

Left Out: -99.764+/-389.039 χ^2/NDF:21.1/15

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

Left In: 262.172+/-379.486 χ^2/NDF:9.8/15

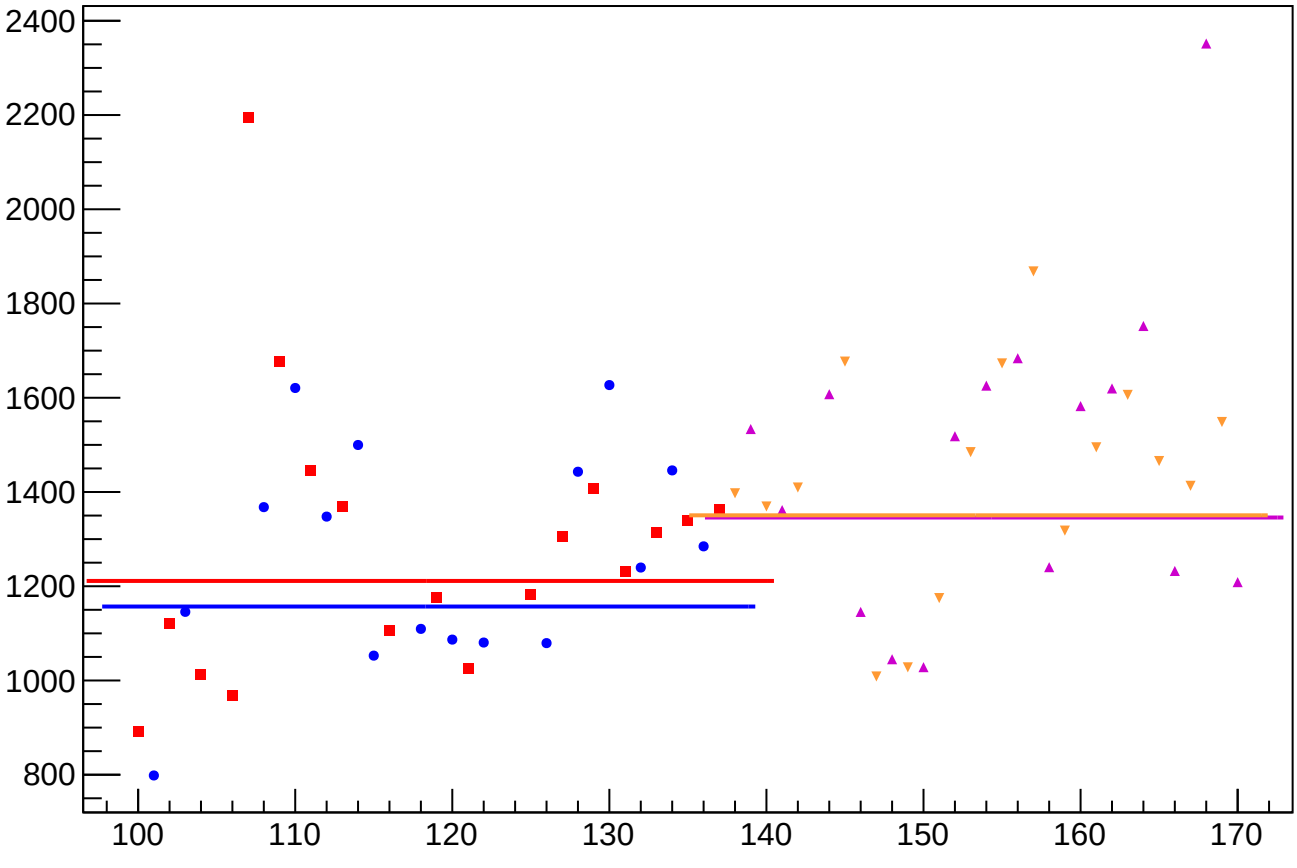
Left: 85.702+/-271.652 χ^2/NDF: 31.3/31

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

In: 73.970+/-287.585 χ^2/NDF:25.7/31

Out: -96.183+/-295.637 χ^2/NDF:36.3/33

All: -8.758+/-206.141 χ^2/NDF: 62.2/65



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

Left Out: 1350.531+/-0.275 χ^2/NDF:747508.3/15

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

Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

Left: 1348.134+/-0.192 χ^2/NDF: 1828580.7/31

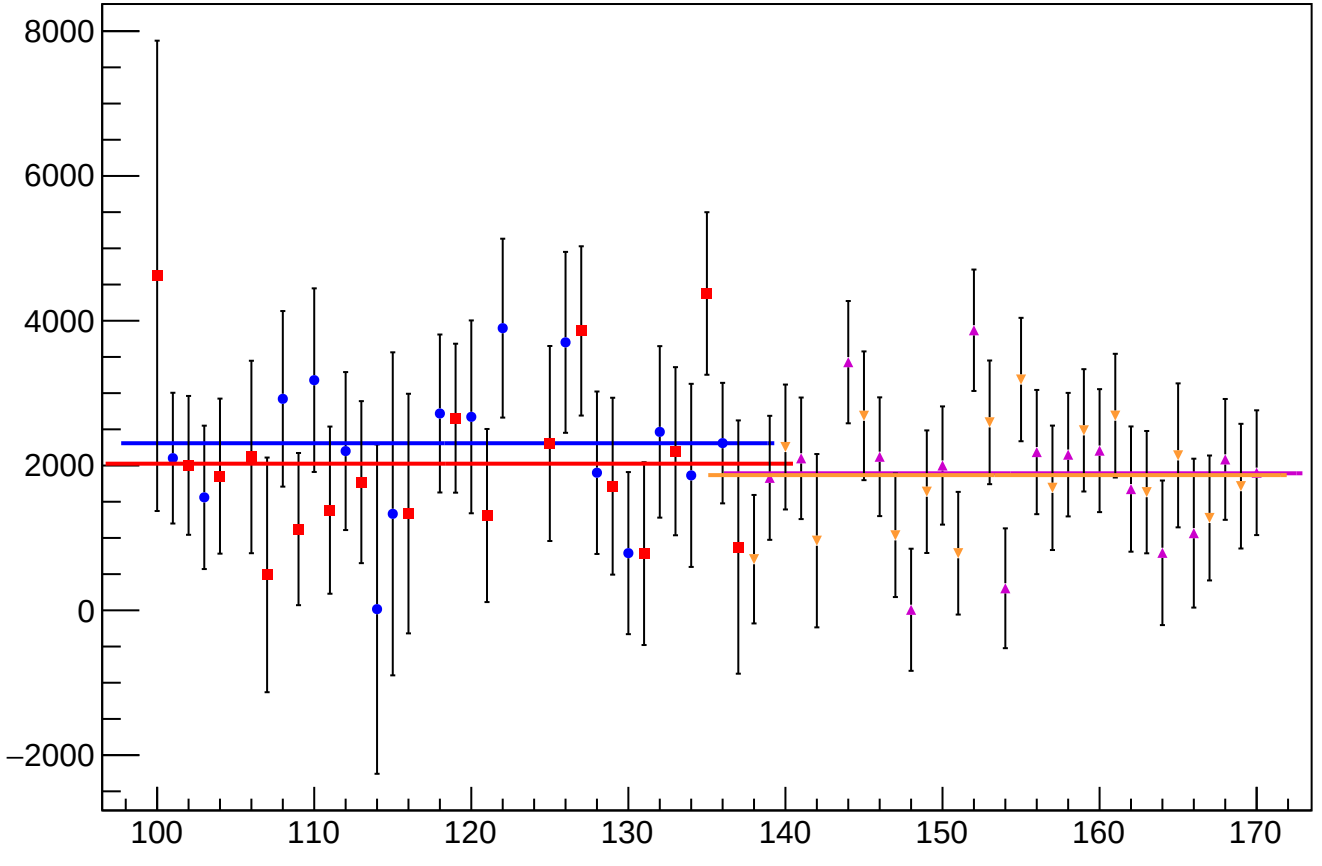
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

Out: 1291.687+/-0.209 χ^2/NDF:1253514.9/33

All: 1278.199+/-0.146 χ^2/NDF: 3122633.9/65

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1867.804+/-219.708 χ^2/NDF:11.3/15

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

Left In: 1892.914+/-214.947 χ^2/NDF:20.0/15

Left: 1880.634+/-153.646 χ^2/NDF: 31.3/31

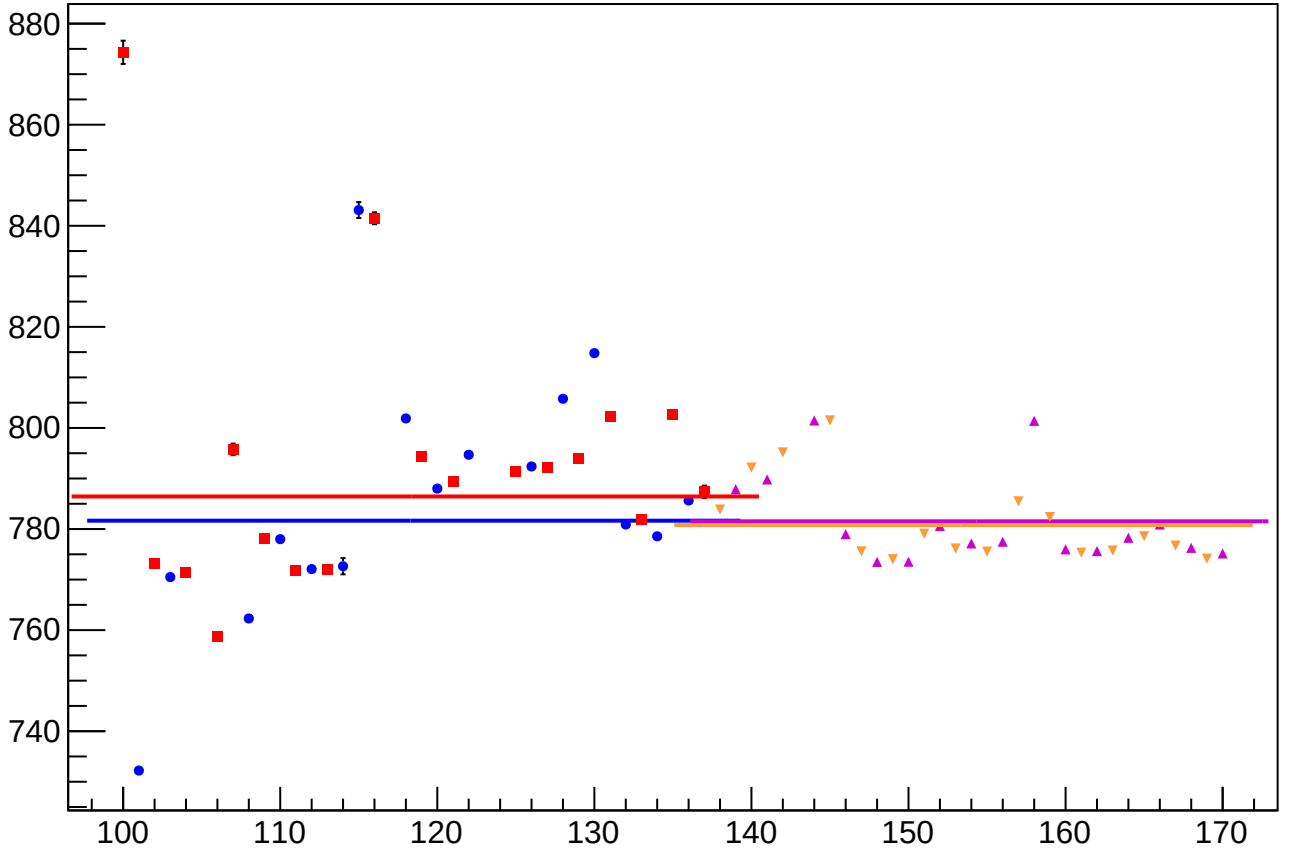
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2039.867+/-172.775 χ^2/NDF:29.1/31

Out: 1925.408+/-175.080 χ^2/NDF:23.4/33

All: 1983.395+/-122.977 χ^2/NDF: 52.7/65

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 780.796+/-0.155 χ^2/NDF:2482.2/15

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

Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

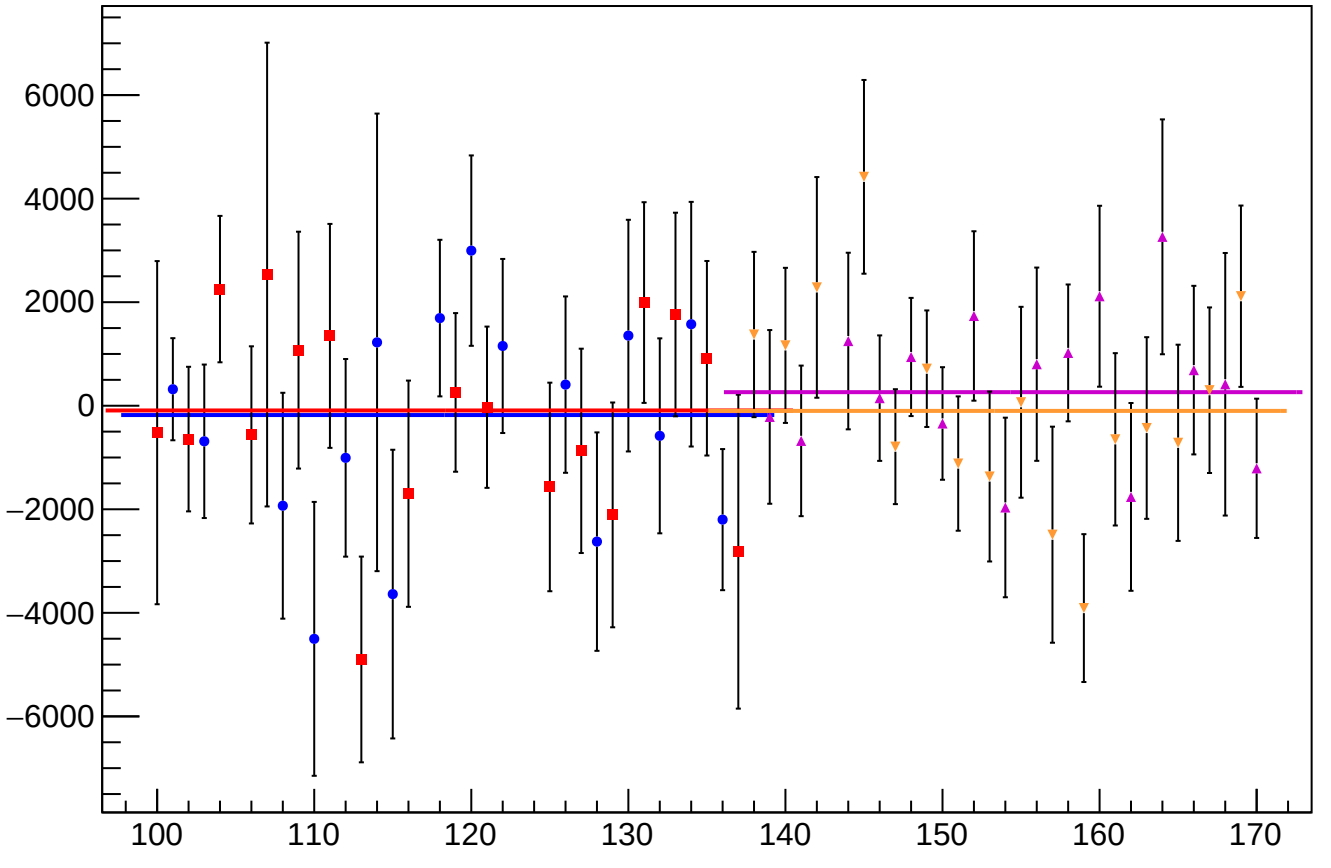
Left: 781.169+/-0.109 χ^2/NDF: 5881.8/31

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

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

Out: 782.857+/-0.124 χ^2/NDF:10166.1/33

All: 782.206+/-0.087 χ^2/NDF: 25928.3/65



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

Left Out: -99.764+/-389.039 χ^2/NDF:21.1/15

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

Left In: 262.172+/-379.486 χ^2/NDF:9.8/15

Left: 85.702+/-271.652 χ^2/NDF: 31.3/31

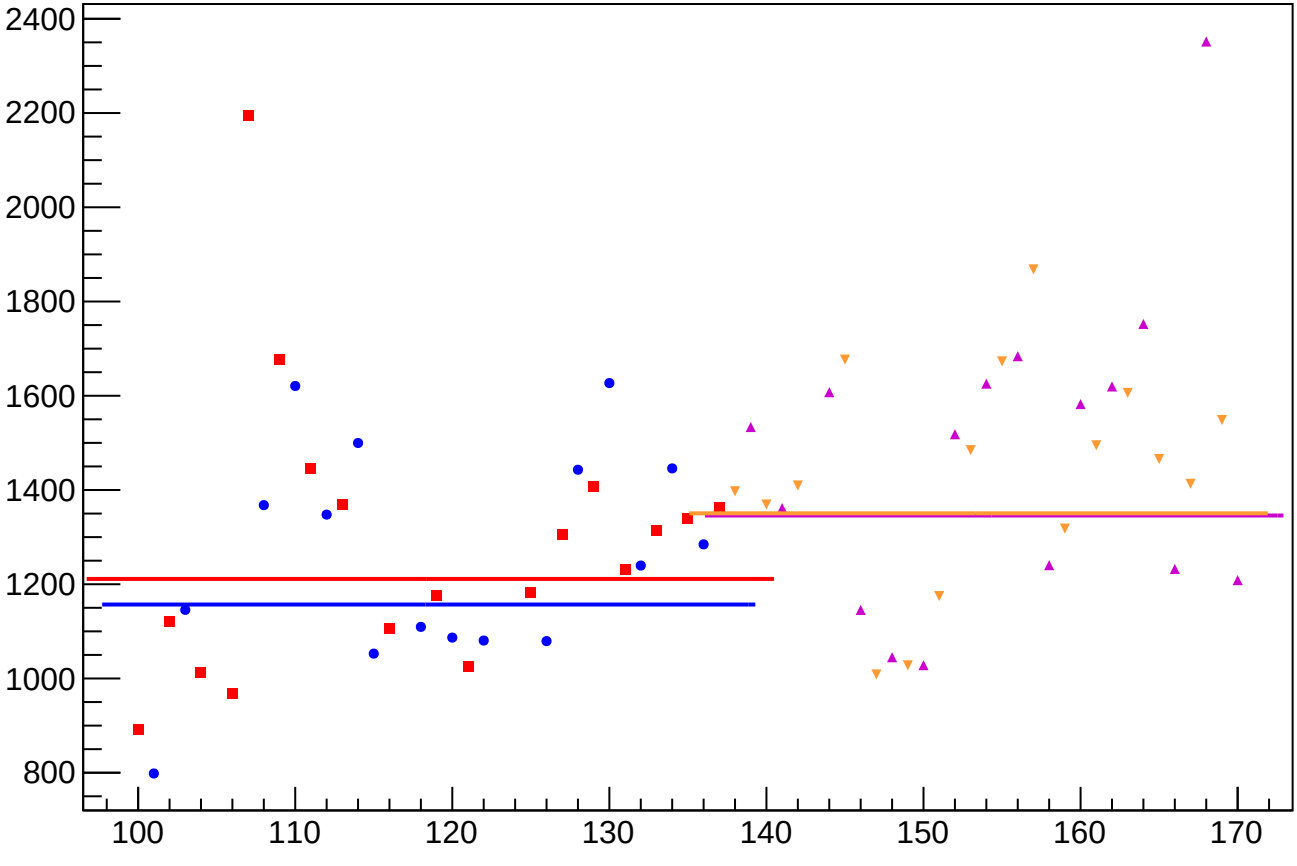
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 73.970+/-287.585 χ^2/NDF:25.7/31

Out: -96.183+/-295.637 χ^2/NDF:36.3/33

All: -8.758+/-206.141 χ^2/NDF: 62.2/65

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1350.531+/-0.275 χ^2/NDF:747508.3/15

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

Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

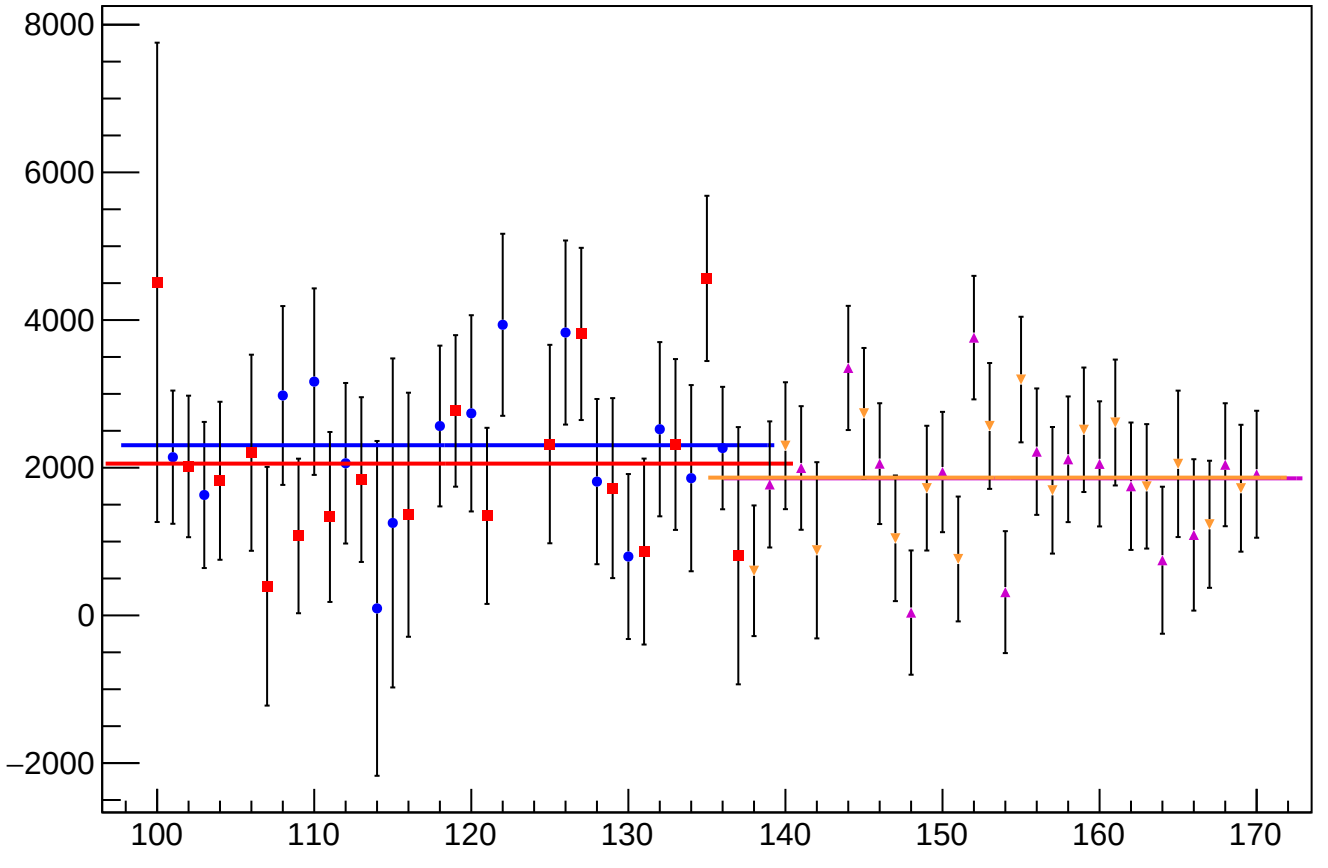
Left: 1348.134+/-0.192 χ^2/NDF: 1828580.7/31

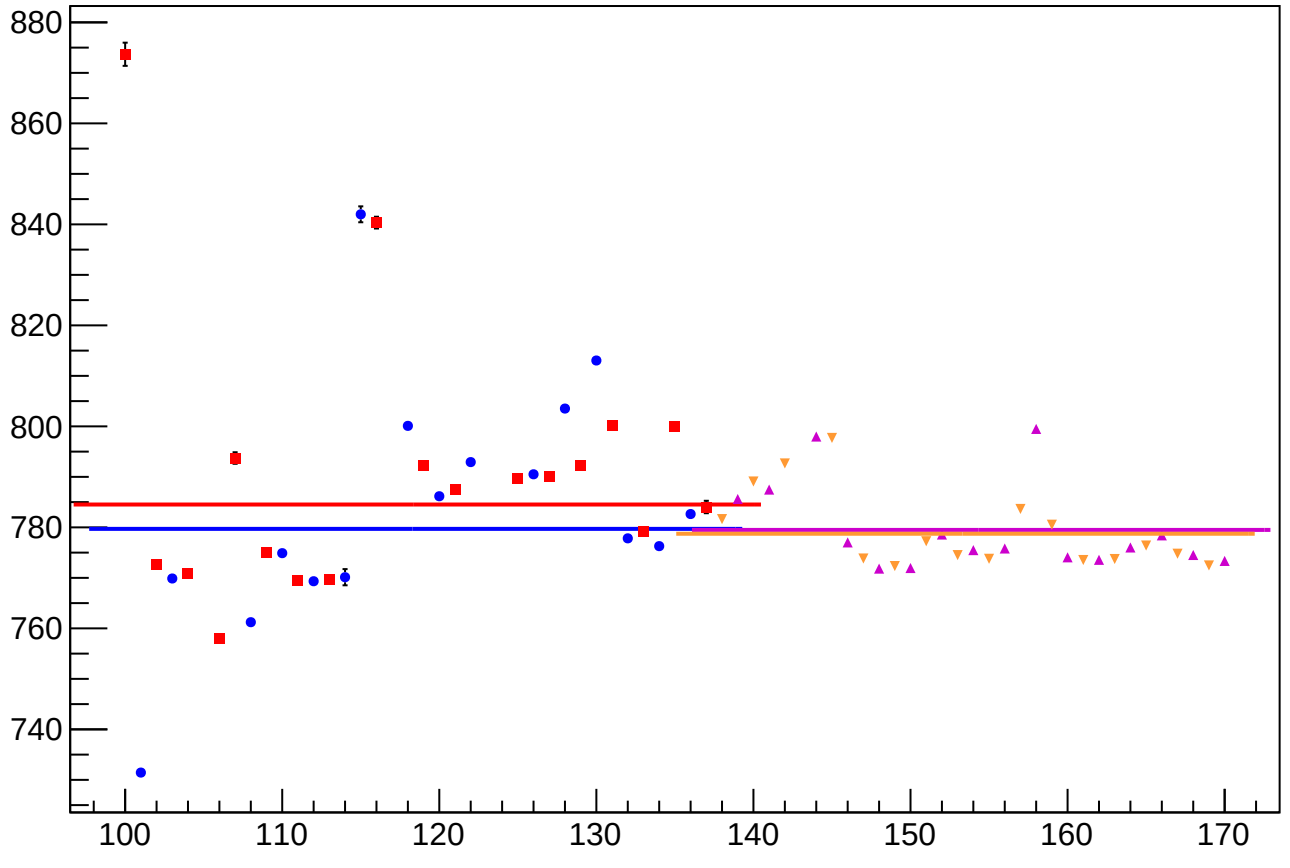
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

Out: 1291.687+/-0.209 χ^2/NDF:1253514.9/33

All: 1278.199+/-0.146 χ^2/NDF: 3122633.9/65


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1865.995+/-219.126 χ²/NDF:11.7/15
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1856.180+/-214.387 χ²/NDF:18.8/15
Left: 1860.980+/-153.242 χ²/NDF: 30.5/31
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2014.944+/-172.331 χ²/NDF:28.4/31
Out: 1935.205+/-174.629 χ²/NDF:24.9/33
All: 1975.602+/-122.661 χ²/NDF: 53.4/65



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

Left Out: 778.737+/-0.155 χ^2/NDF:2187.4/15

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

Left In: 779.495+/-0.152 χ^2/NDF:3174.1/15

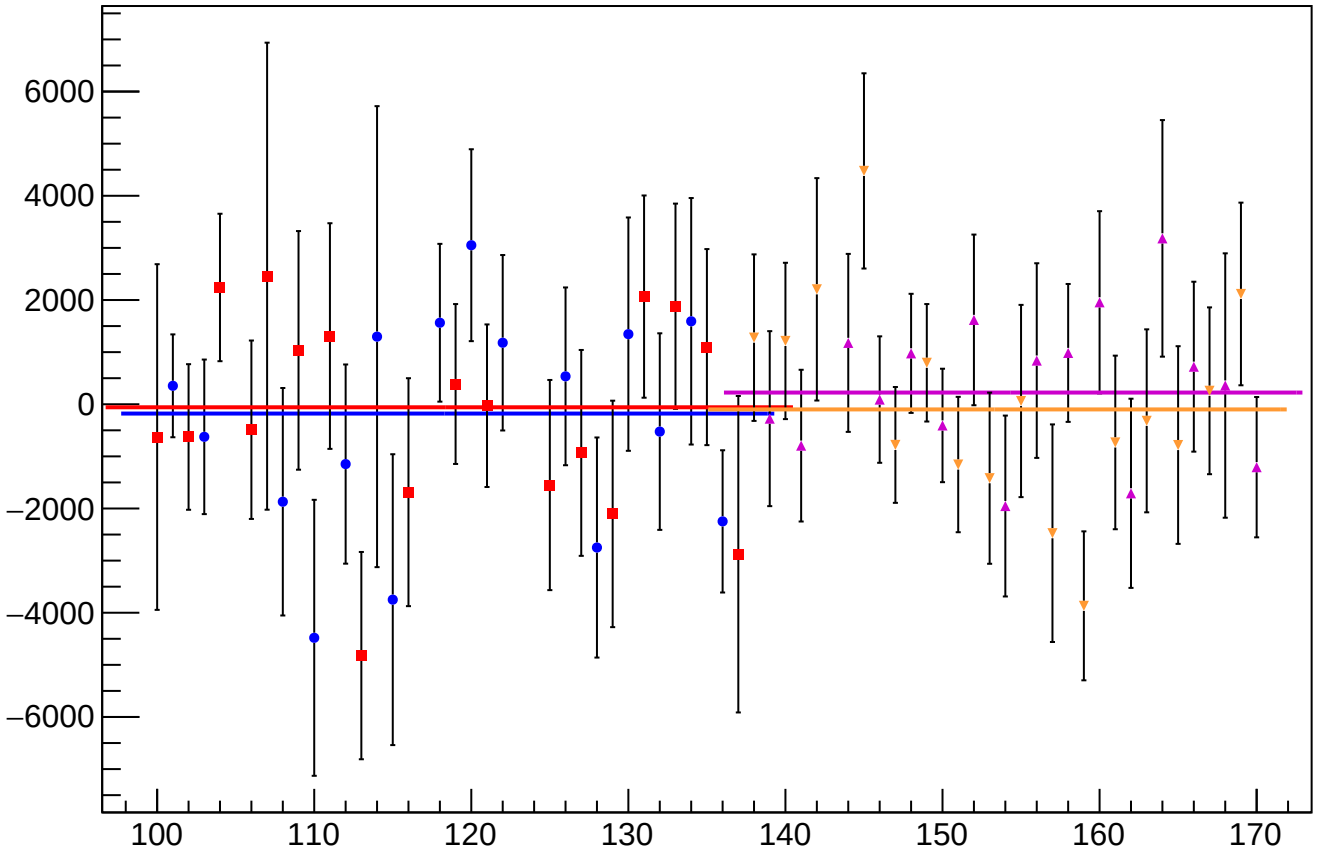
Left: 779.124+/-0.108 χ^2/NDF: 5373.7/31

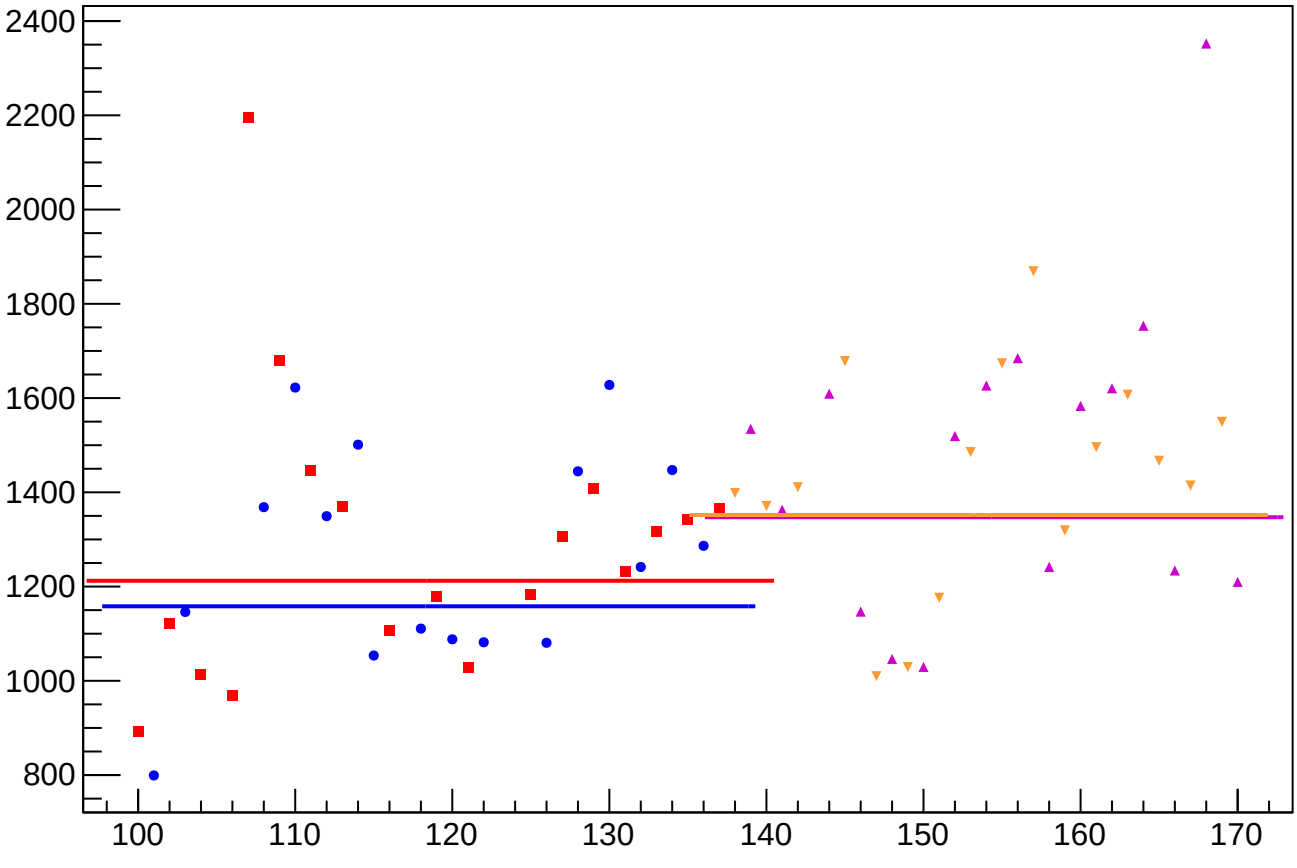
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 779.569+/-0.122 χ^2/NDF:15234.9/31

Out: 780.849+/-0.123 χ^2/NDF:9856.6/33

All: 780.200+/-0.087 χ^2/NDF: 25146.0/65


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -99.112+/-389.405 χ²/NDF:21.2/15
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 224.427+/-379.839 χ²/NDF:9.5/15
Left: 66.680+/-271.906 χ²/NDF: 31.0/31
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: 52.935+/-287.862 χ²/NDF:25.6/31
Out: -81.757+/-295.909 χ²/NDF:36.4/33
All: -12.554+/-206.335 χ²/NDF: 62.2/65



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

Left Out: 1351.883+/-0.275 χ^2/NDF:745473.9/15

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

Left In: 1347.179+/-0.269 χ^2/NDF:1078525.7/15

Left: 1349.473+/-0.192 χ^2/NDF: 1824149.2/31

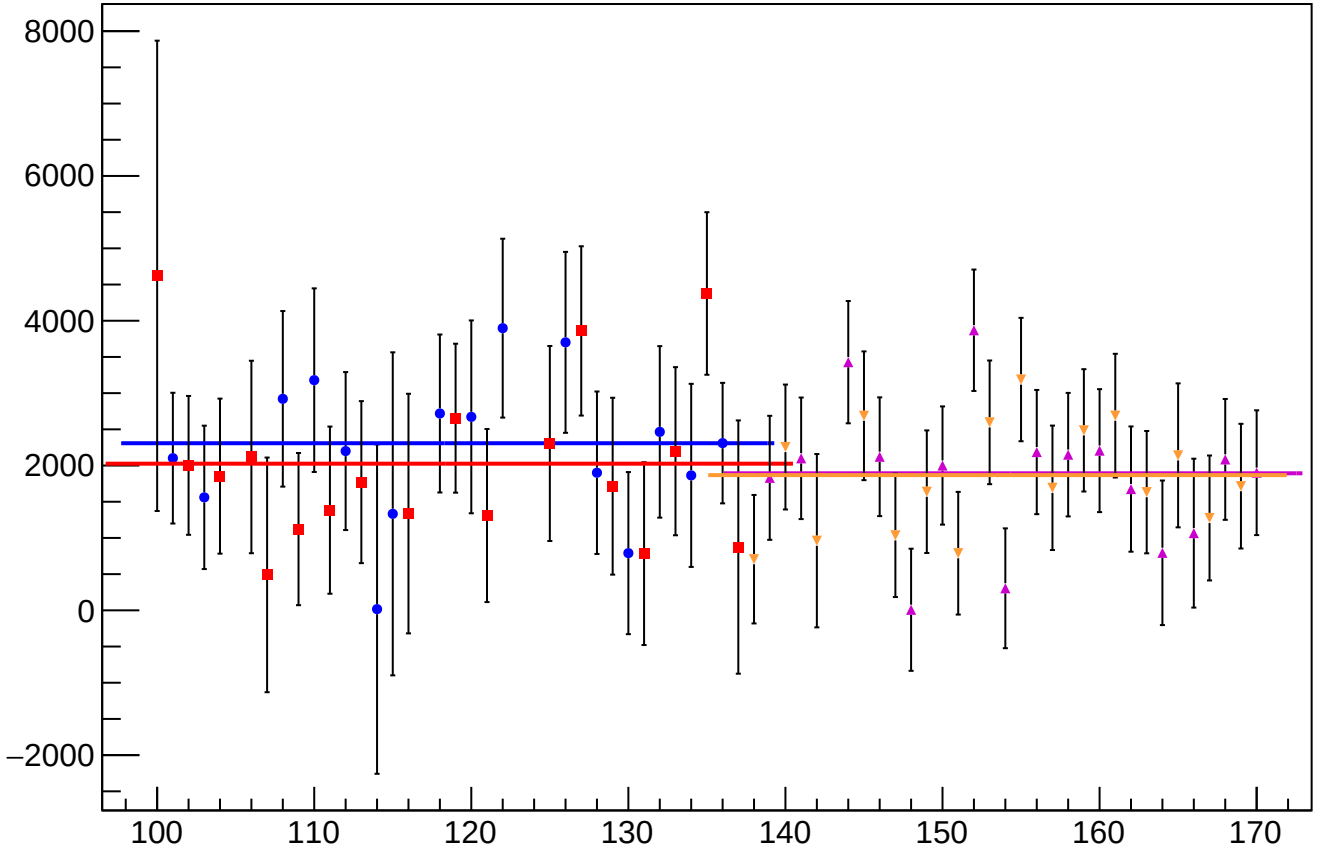
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1266.710+/-0.204 χ^2/NDF:1858546.0/31

Out: 1292.922+/-0.209 χ^2/NDF:1251925.9/33

All: 1279.455+/-0.146 χ^2/NDF: 3118534.7/65

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1867.804+/-219.708 χ^2/NDF:11.3/15

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

Left In: 1892.914+/-214.947 χ^2/NDF:20.0/15

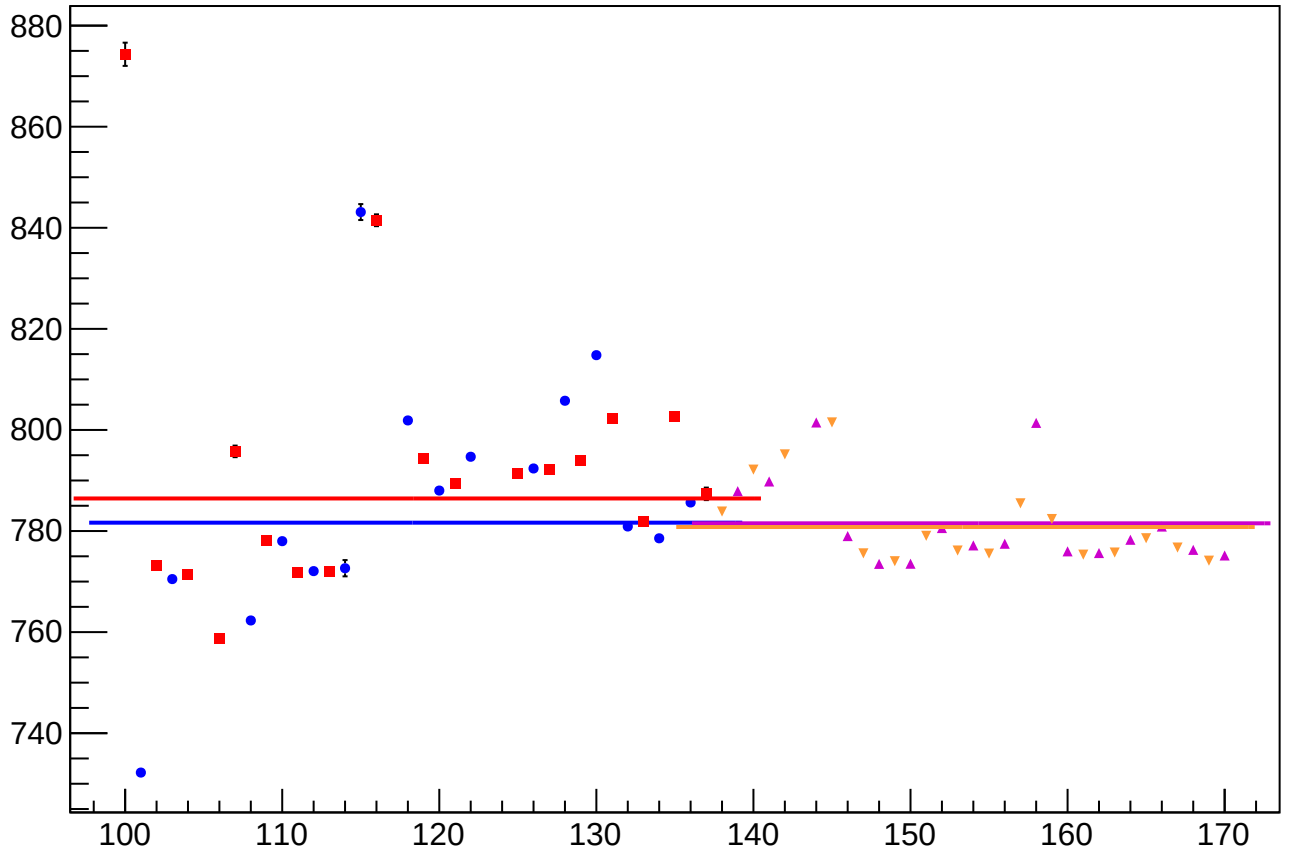
Left: 1880.634+/-153.646 χ^2/NDF: 31.3/31

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

In: 2039.867+/-172.775 χ^2/NDF:29.1/31

Out: 1925.408+/-175.080 χ^2/NDF:23.4/33

All: 1983.395+/-122.977 χ^2/NDF: 52.7/65



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

Left Out: 780.796+/-0.155 χ^2/NDF:2482.2/15

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

Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

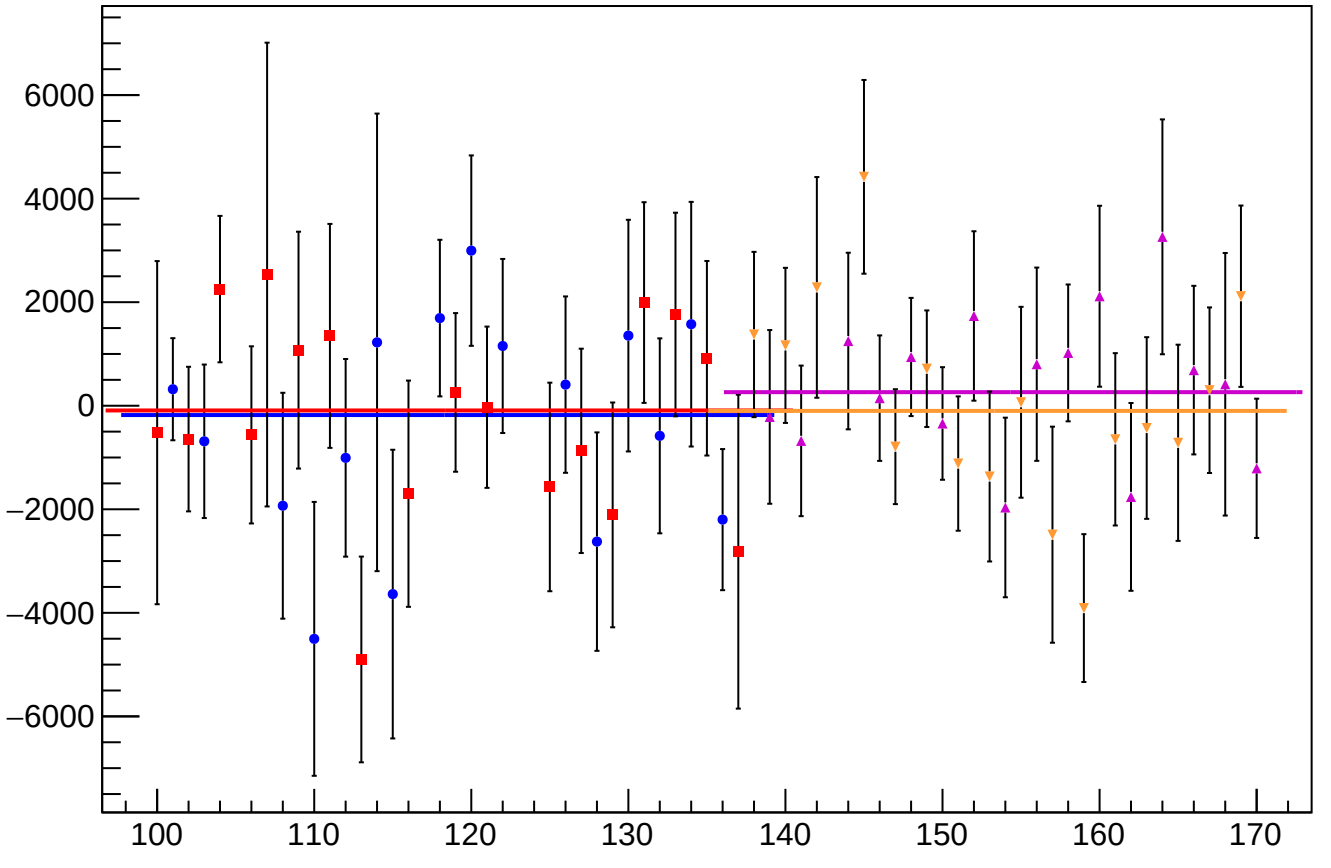
Left: 781.169+/-0.109 χ^2/NDF: 5881.8/31

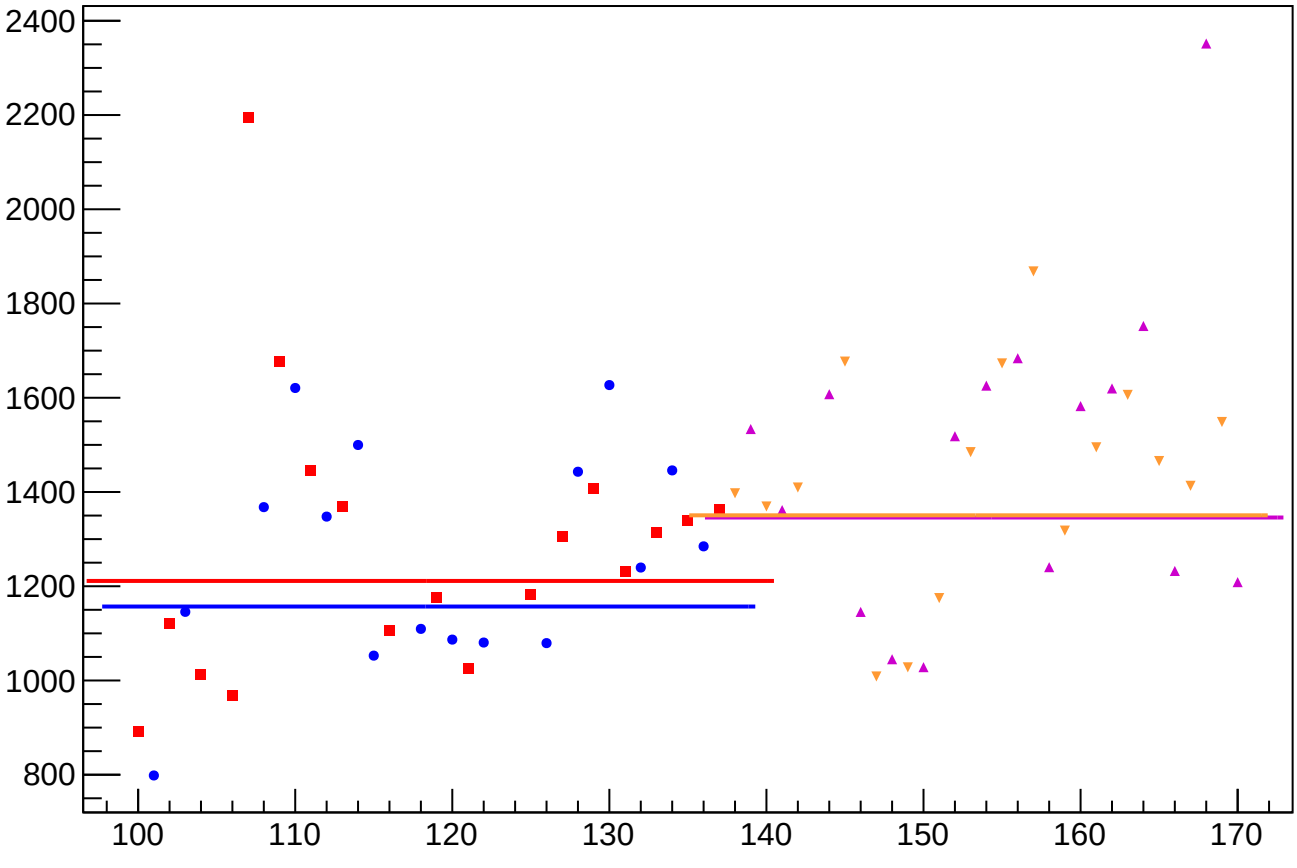
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

Out: 782.857+/-0.124 χ^2/NDF:10166.1/33

All: 782.206+/-0.087 χ^2/NDF: 25928.3/65


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -99.764+/-389.039 χ²/NDF:21.1/15
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 262.172+/-379.486 χ²/NDF:9.8/15
Left: 85.702+/-271.652 χ²/NDF: 31.3/31
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 73.970+/-287.585 χ²/NDF:25.7/31
Out: -96.183+/-295.637 χ²/NDF:36.3/33
All: -8.758+/-206.141 χ²/NDF: 62.2/65



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

Left Out: 1350.531+/-0.275 χ^2/NDF:747508.3/15

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

Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

Left: 1348.134+/-0.192 χ^2/NDF: 1828580.7/31

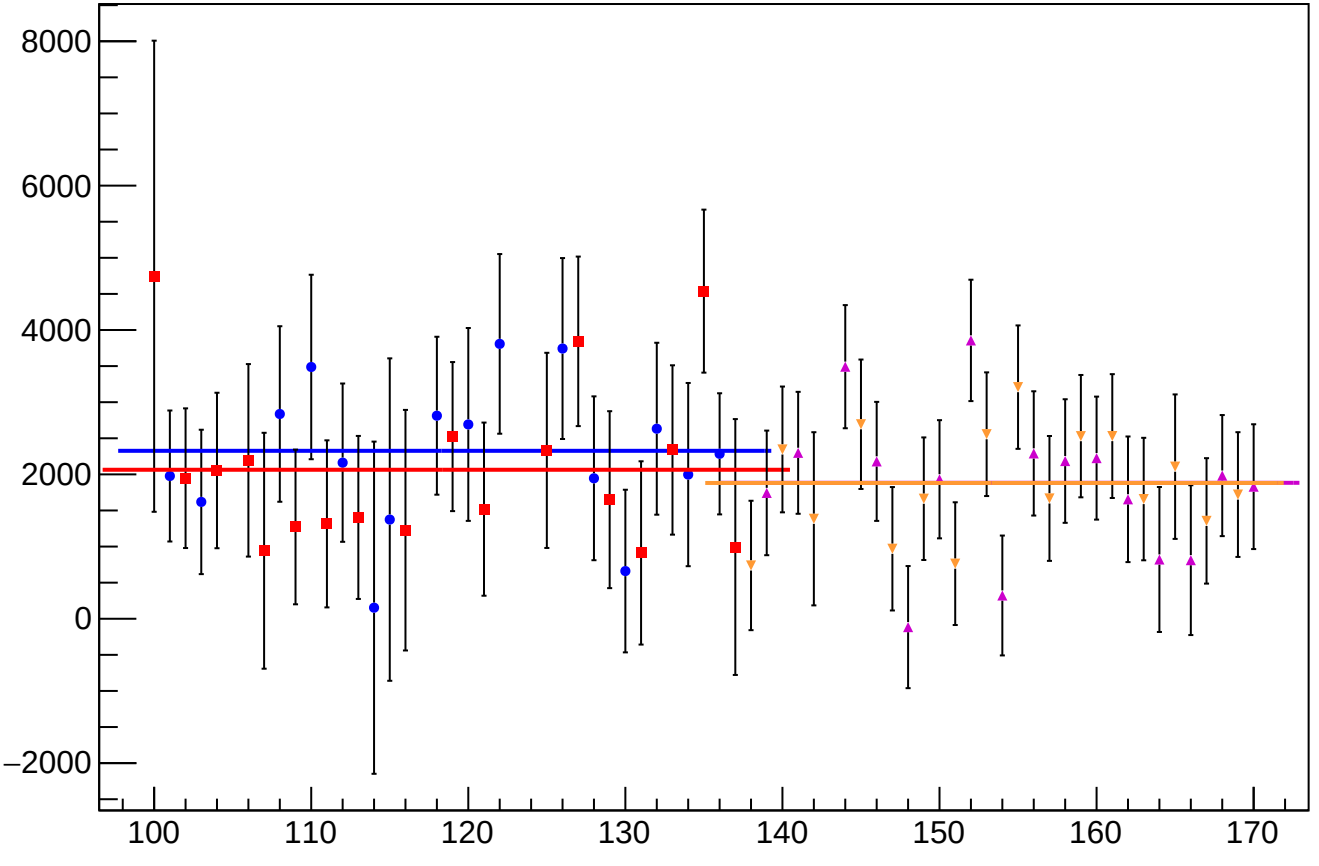
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

Out: 1291.687+/-0.209 χ^2/NDF:1253514.9/33

All: 1278.199+/-0.146 χ^2/NDF: 3122633.9/65

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1881.080+/-220.793 χ^2/NDF:10.6/15

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

Left In: 1883.298+/-215.971 χ^2/NDF:21.4/15

Left: 1882.214+/-154.391 χ^2/NDF: 32.0/31

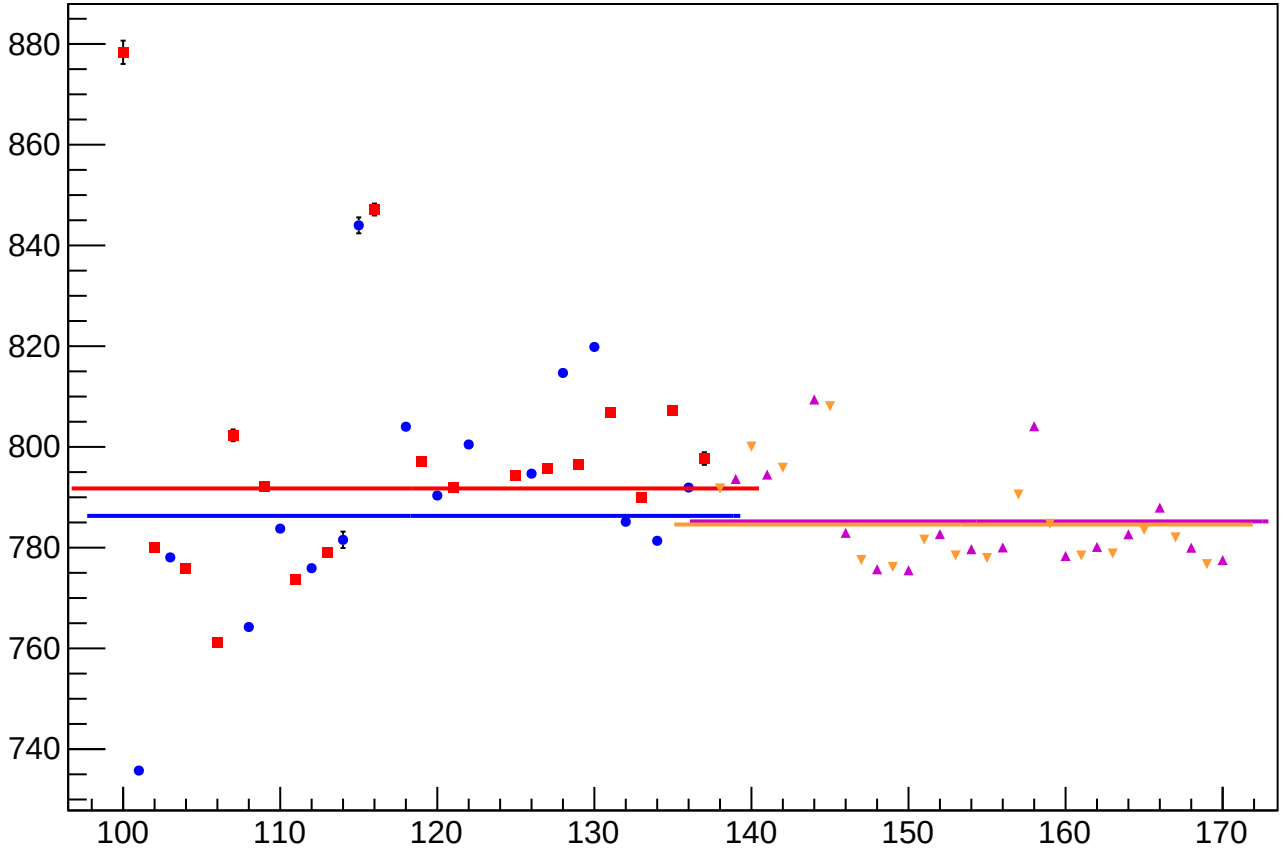
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2039.871+/-173.674 χ^2/NDF:31.0/31

Out: 1947.673+/-176.068 χ^2/NDF:22.5/33

All: 1994.403+/-123.644 χ^2/NDF: 53.6/65

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.596+/-0.156 χ^2/NDF:3362.8/15

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

Left In: 785.213+/-0.153 χ^2/NDF:4204.1/15

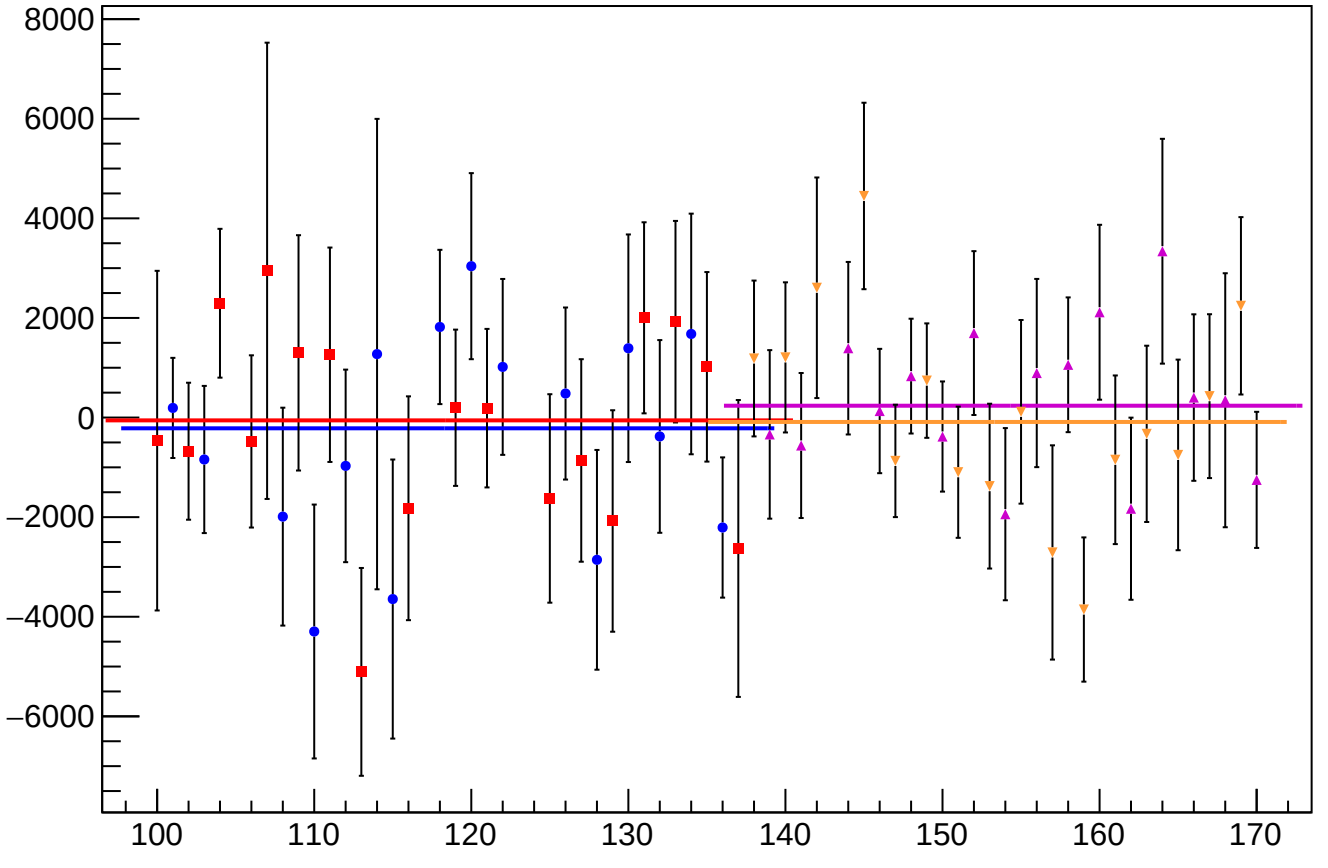
Left: 784.912+/-0.109 χ^2/NDF: 7574.9/31

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

In: 785.601+/-0.123 χ^2/NDF:16793.4/31

Out: 787.203+/-0.124 χ^2/NDF:11143.8/33

All: 786.391+/-0.087 χ^2/NDF: 28021.1/65



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

Left Out: -88.596+/-394.211 χ^2/NDF:21.4/15

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

Left In: 237.472+/-384.518 χ^2/NDF:9.8/15

Left: 78.496+/-275.258 χ^2/NDF: 31.5/31

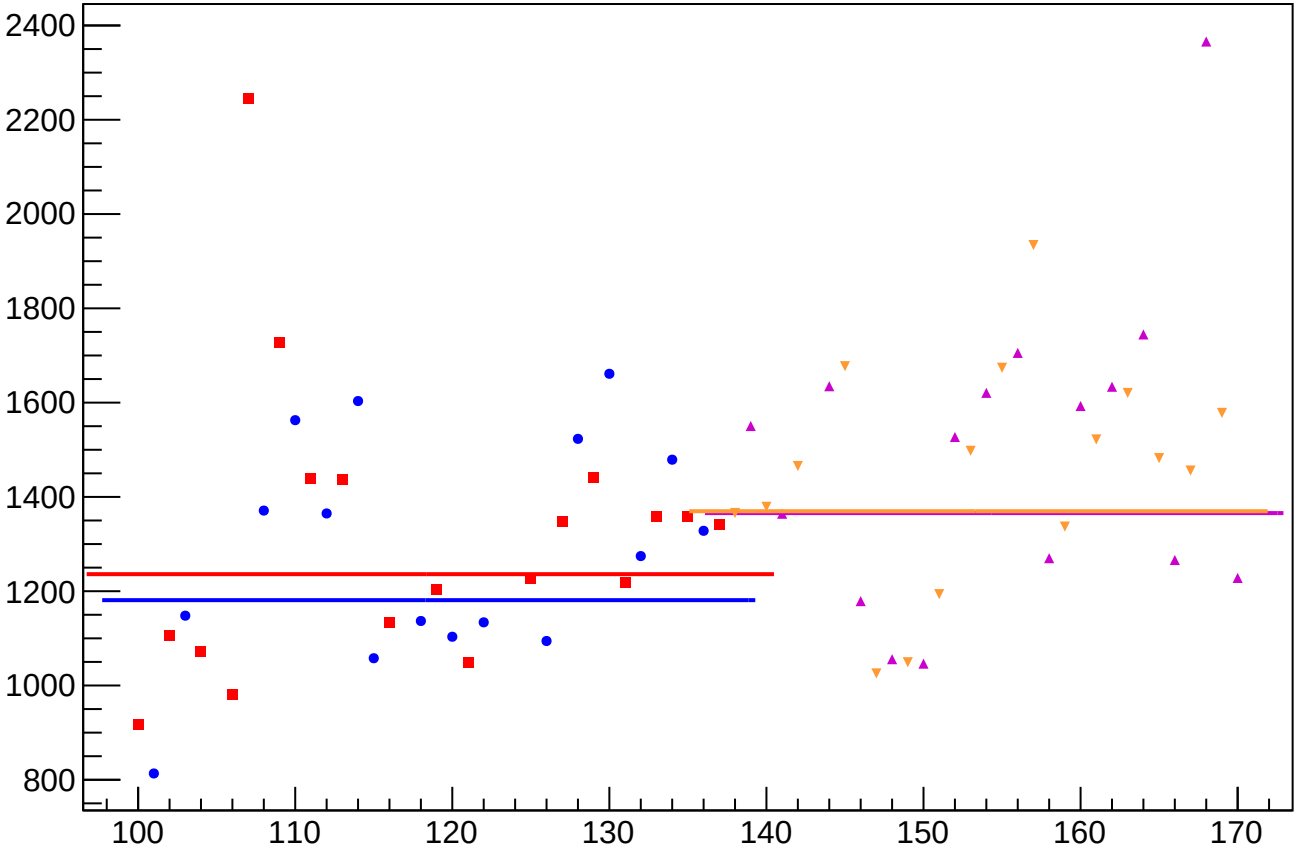
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 45.795+/-292.204 χ^2/NDF:25.7/31

Out: -75.260+/-300.419 χ^2/NDF:36.5/33

All: -13.054+/-209.464 χ^2/NDF: 62.3/65

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1369.682+/-0.279 χ^2/NDF:736346.1/15

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

Left In: 1365.697+/-0.272 χ^2/NDF:1033442.6/15

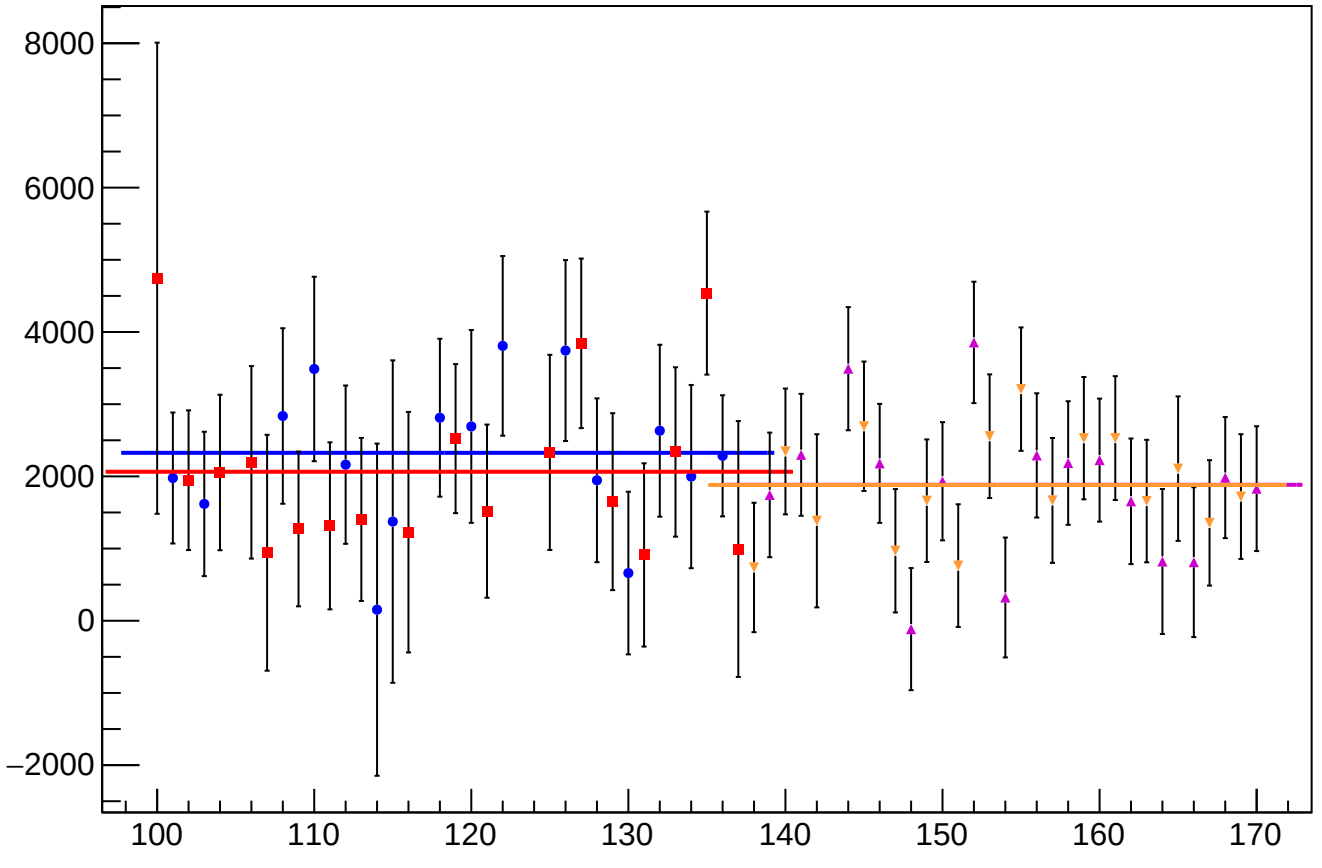
Left: 1367.640+/-0.195 χ^2/NDF: 1769893.4/31

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

In: 1287.658+/-0.207 χ^2/NDF:1799520.2/31

Out: 1313.694+/-0.212 χ^2/NDF:1229817.1/33

All: 1300.315+/-0.148 χ^2/NDF: 3037055.8/65



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

Left Out: 1881.077+/-220.793 χ^2/NDF:10.6/15

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

Left In: 1883.299+/-215.971 χ^2/NDF:21.4/15

Left: 1882.213+/-154.391 χ^2/NDF: 32.0/31

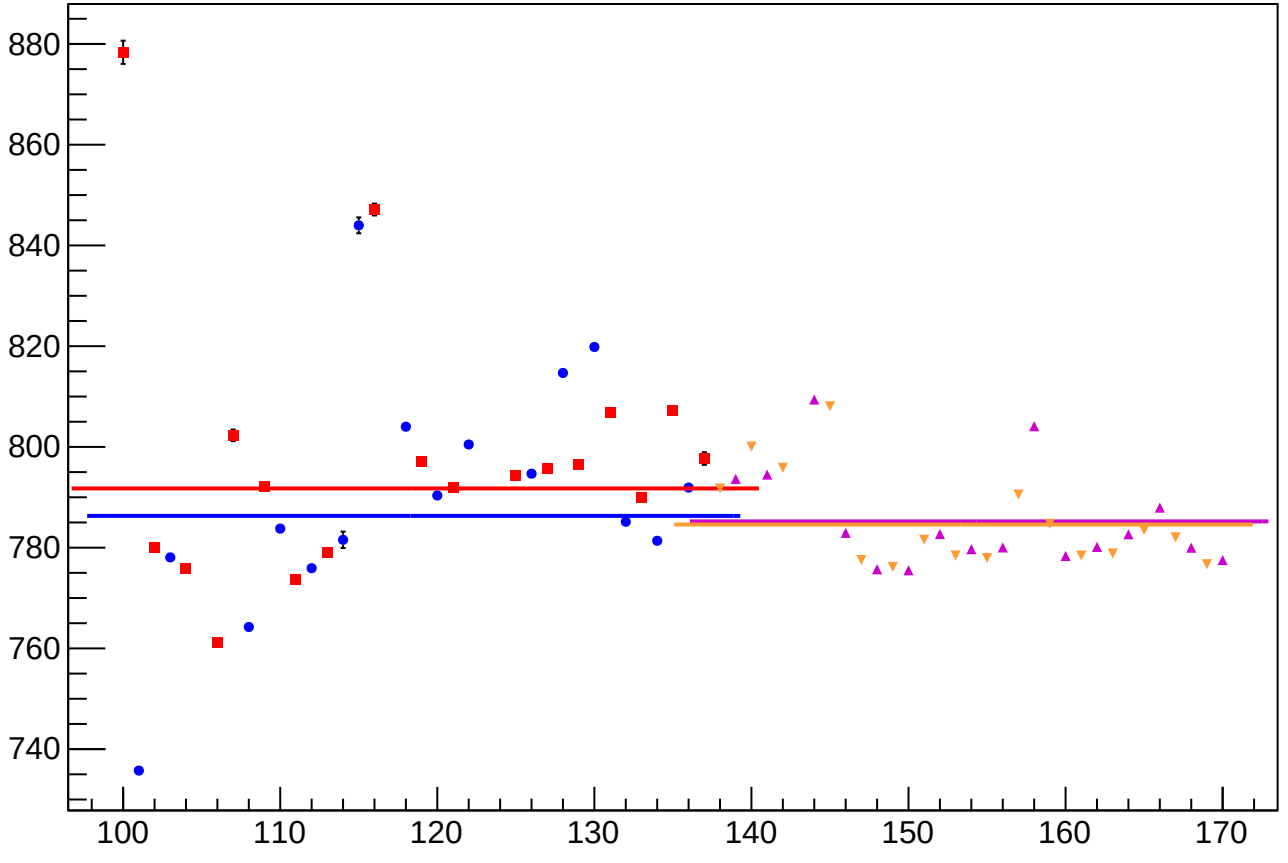
Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2039.872+/-173.674 χ^2/NDF:31.0/31

Out: 1947.670+/-176.068 χ^2/NDF:22.5/33

All: 1994.402+/-123.644 χ^2/NDF: 53.6/65

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.596+/-0.156 χ^2/NDF:3362.8/15

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

Left In: 785.213+/-0.153 χ^2/NDF:4204.1/15

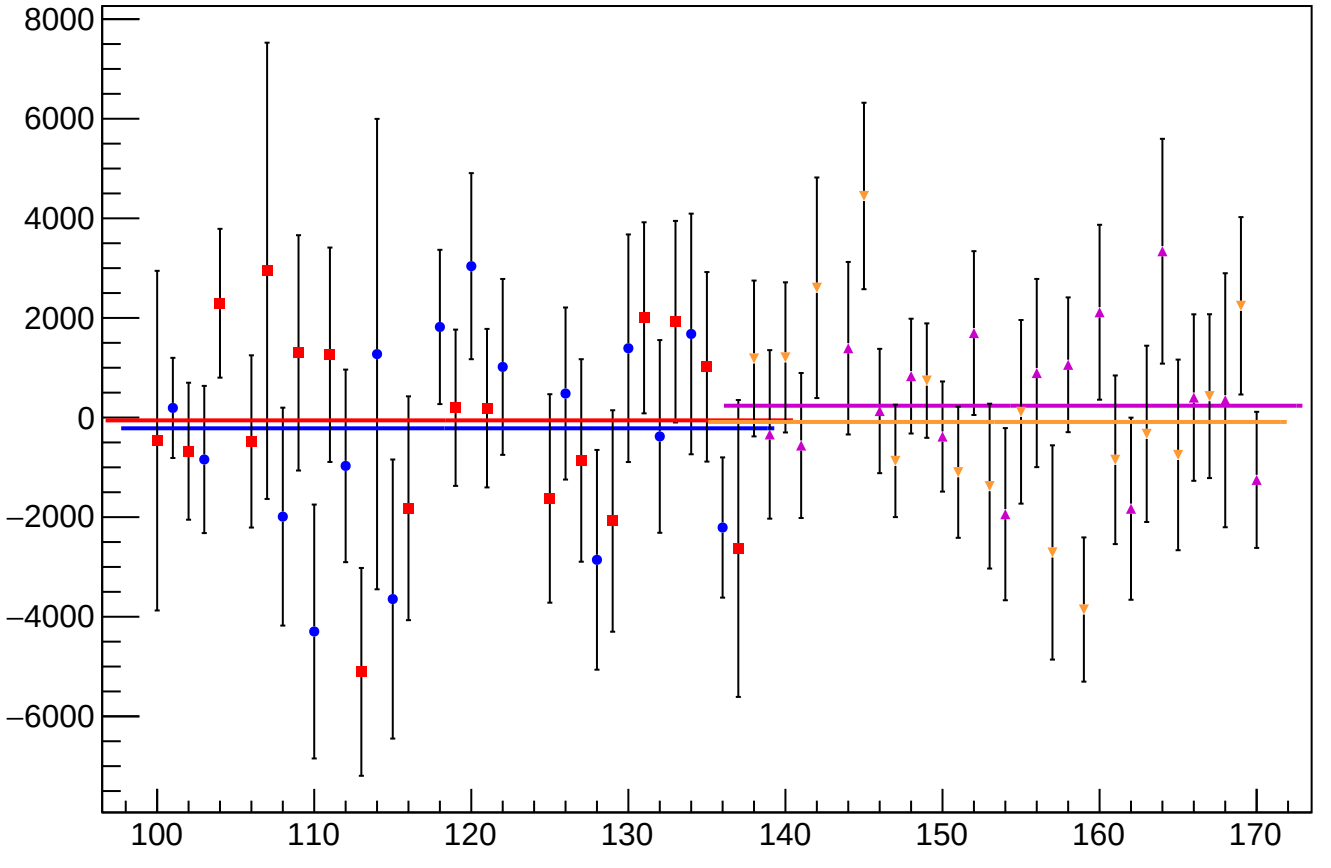
Left: 784.912+/-0.109 χ^2/NDF: 7574.9/31

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

In: 785.601+/-0.123 χ^2/NDF:16793.4/31

Out: 787.203+/-0.124 χ^2/NDF:11143.7/33

All: 786.391+/-0.087 χ^2/NDF: 28021.0/65



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

Left Out: -88.600+/-394.212 χ^2/NDF:21.4/15

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

Left In: 237.473+/-384.519 χ^2/NDF:9.8/15

Left: 78.494+/-275.259 χ^2/NDF: 31.5/31

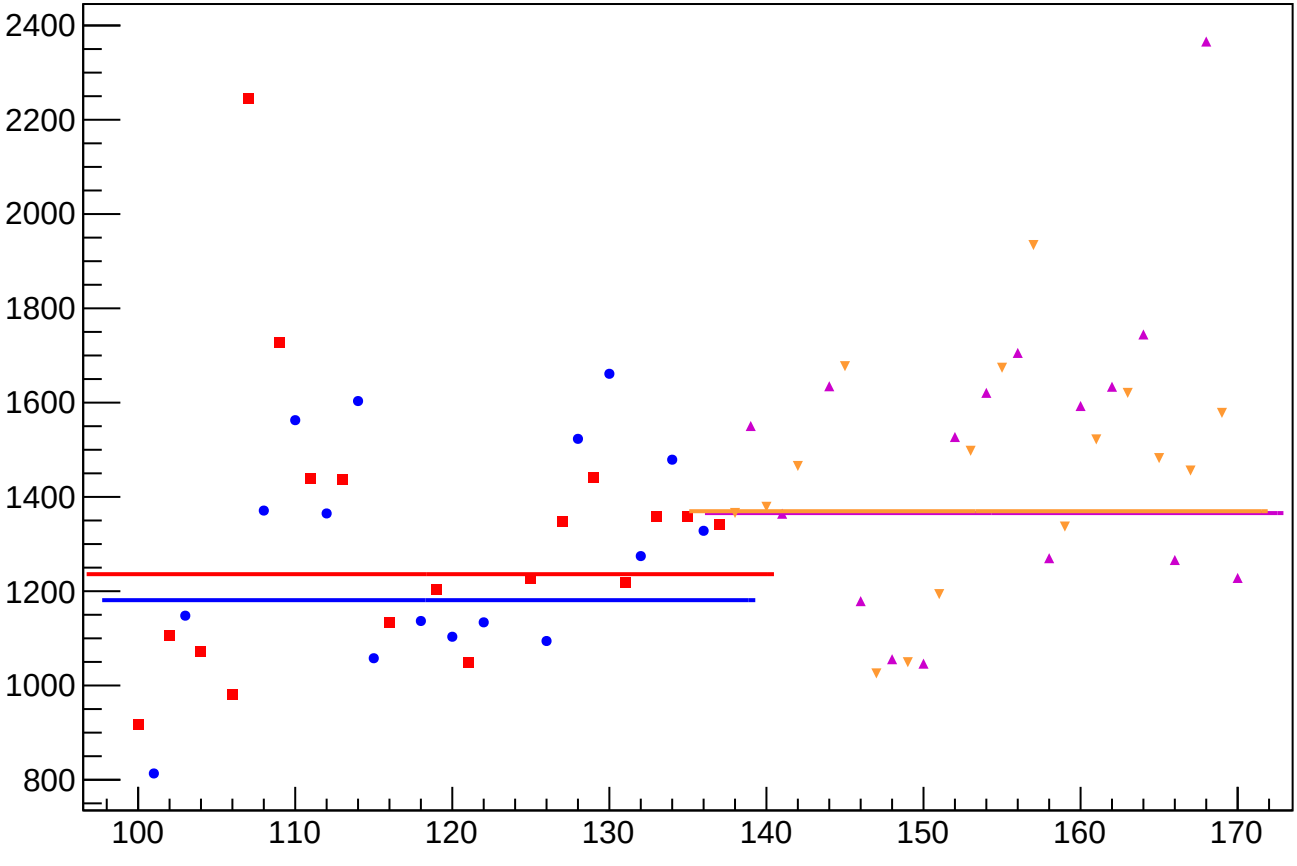
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 45.795+/-292.204 χ^2/NDF:25.7/31

Out: -75.261+/-300.419 χ^2/NDF:36.5/33

All: -13.055+/-209.464 χ^2/NDF: 62.3/65

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1369.684+/-0.279 χ^2/NDF:736347.9/15

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

Left In: 1365.699+/-0.272 χ^2/NDF:1033443.4/15

Left: 1367.642+/-0.195 χ^2/NDF: 1769896.1/31

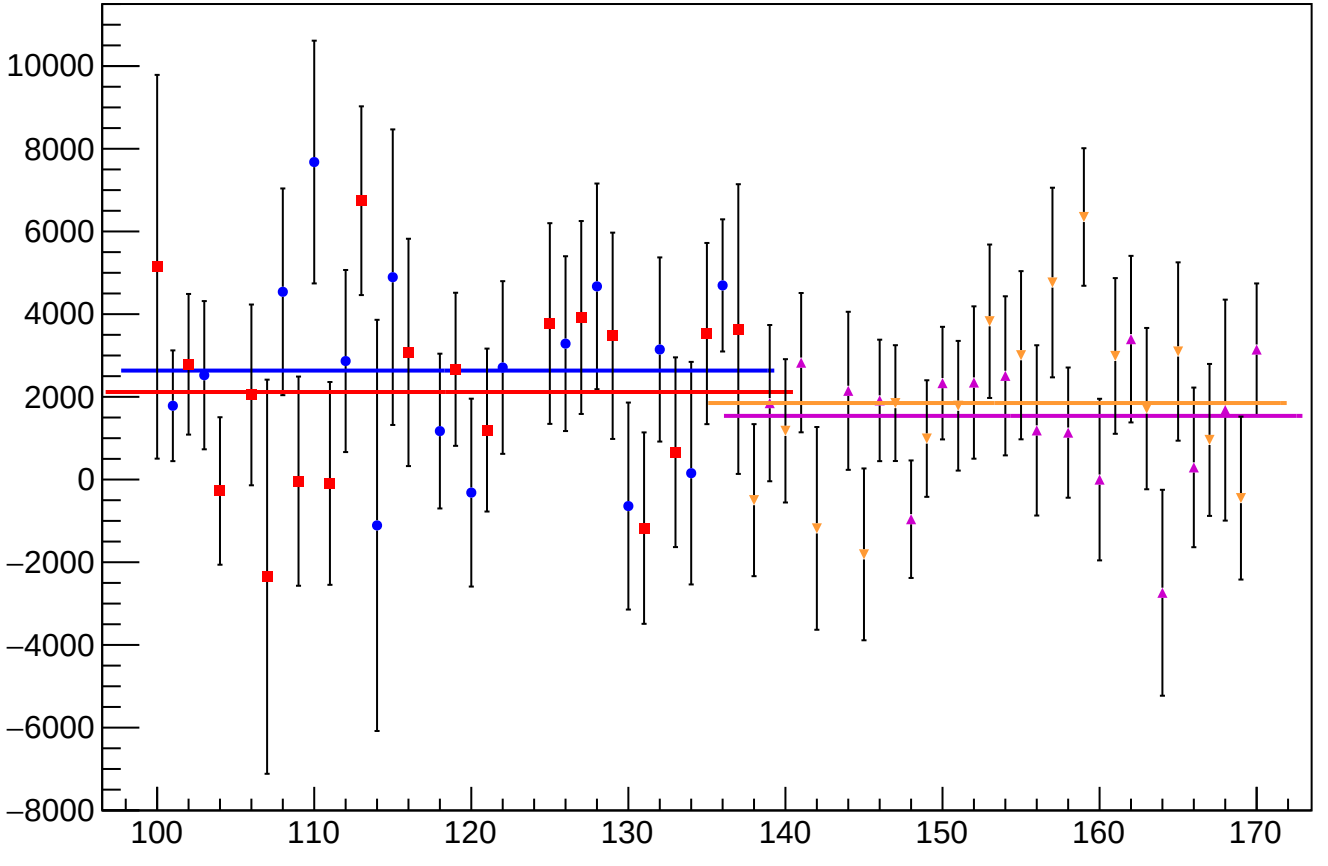
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1287.658+/-0.207 χ^2/NDF:1799530.7/31

Out: 1313.693+/-0.212 χ^2/NDF:1229826.0/33

All: 1300.315+/-0.148 χ^2/NDF: 3037075.2/65

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1850.695+/-454.391 χ^2/NDF:19.5/15

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

Left In: 1539.645+/-443.786 χ^2/NDF:10.6/15

Left: 1691.498+/-317.487 χ^2/NDF: 30.3/31

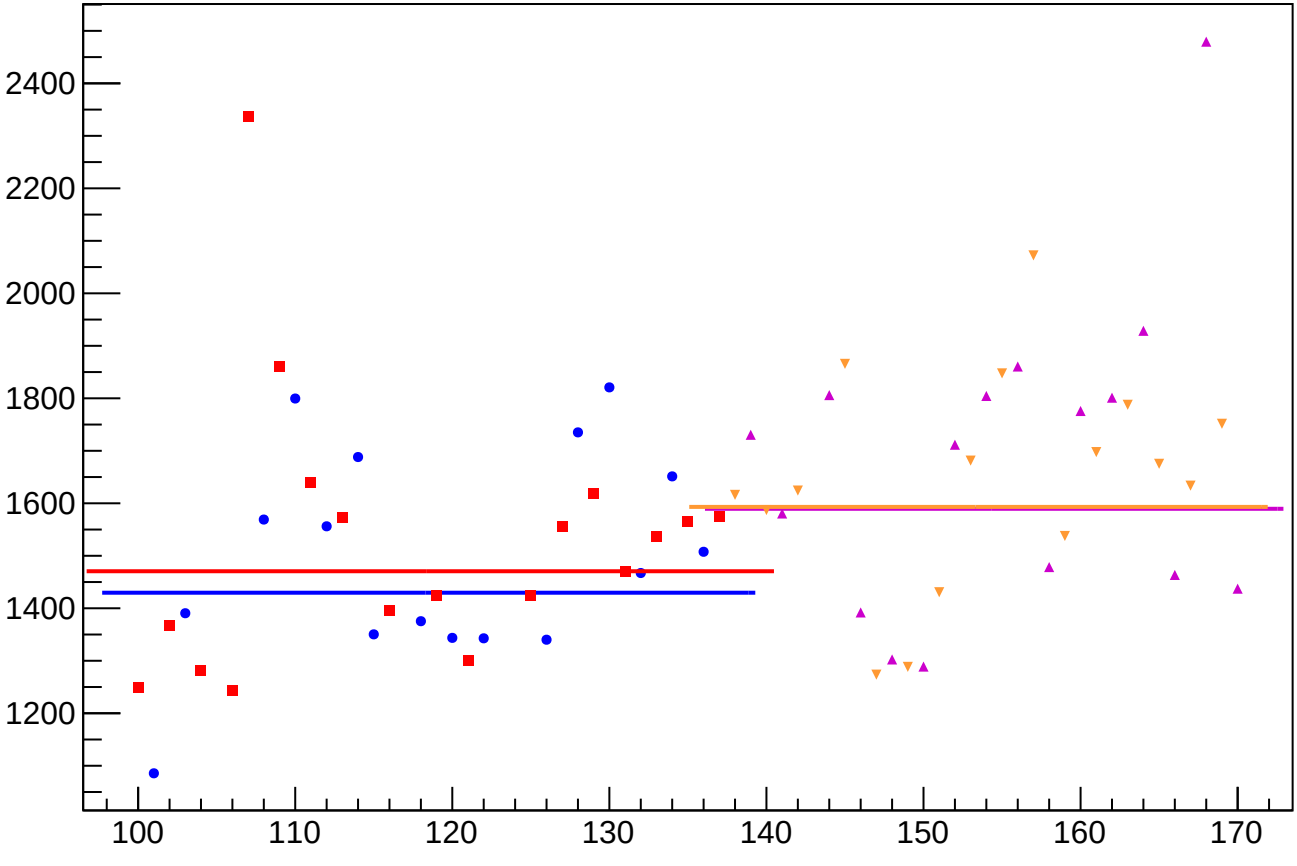
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1983.297+/-342.354 χ^2/NDF:25.3/31

Out: 1959.381+/-349.652 χ^2/NDF:33.3/33

All: 1971.591+/-244.620 χ^2/NDF: 58.7/65

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1593.134+/-0.321 χ^2/NDF:422234.0/15

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

Left In: 1589.528+/-0.314 χ^2/NDF:656227.3/15

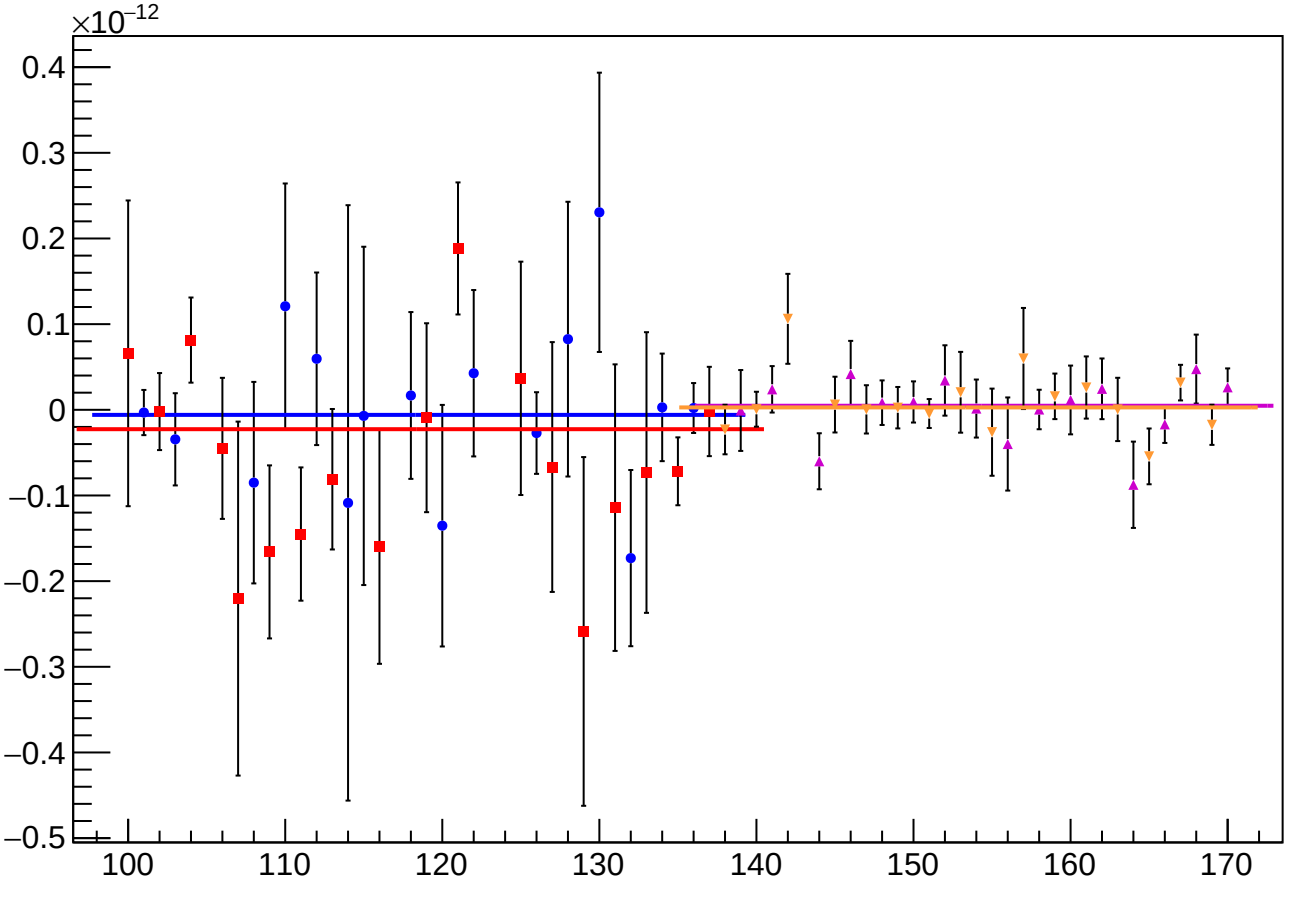
Left: 1591.289+/-0.224 χ^2/NDF: 1078525.7/31

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

In: 1524.798+/-0.242 χ^2/NDF:1054708.0/31

Out: 1543.141+/-0.247 χ^2/NDF:699656.8/33

All: 1533.776+/-0.173 χ^2/NDF: 1757175.0/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/15

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

Left In: 0.000+/-0.000 χ^2/NDF:13.4/15

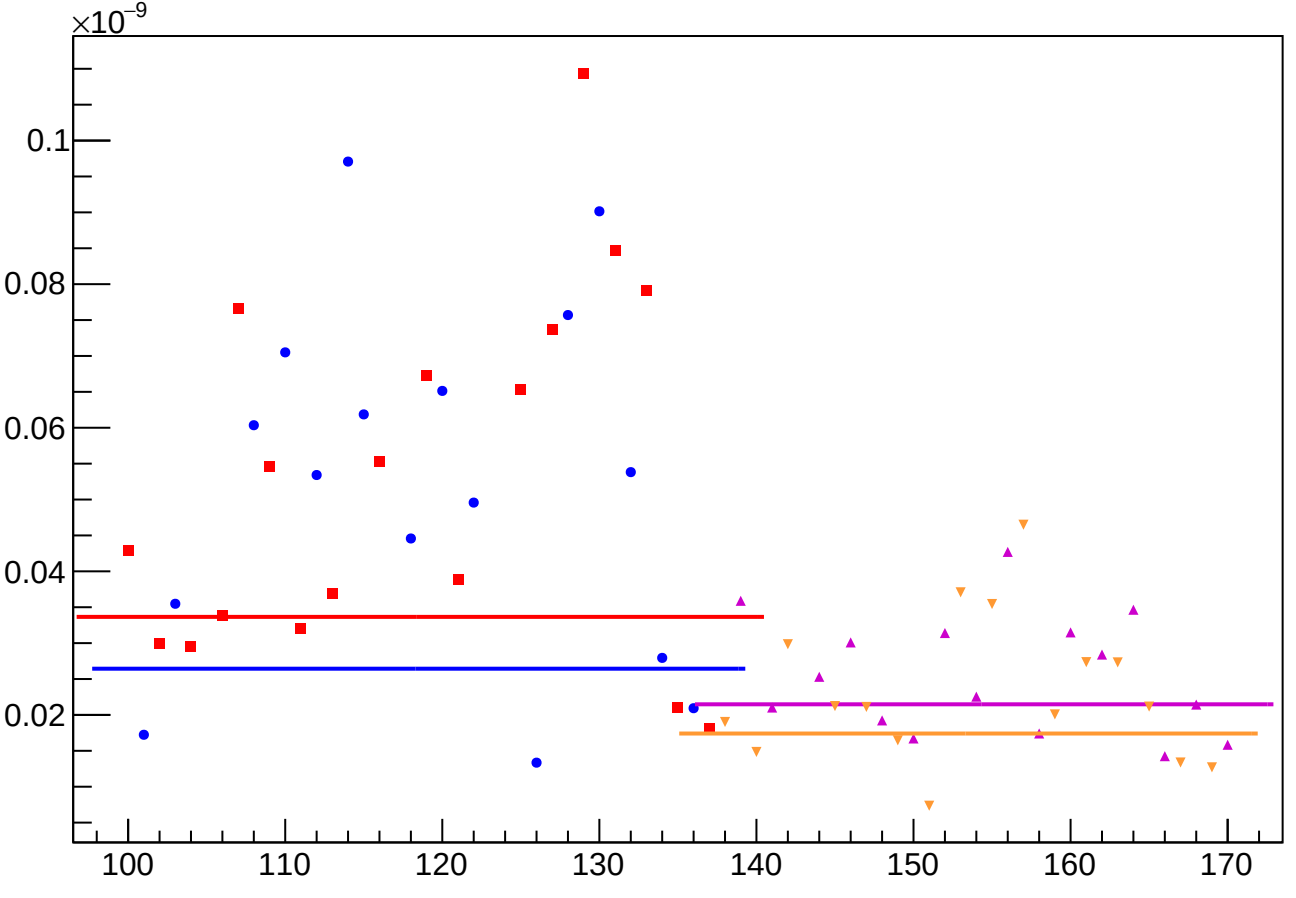
Left: 0.000+/-0.000 χ^2/NDF: 26.2/31

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

In: 0.000+/-0.000 χ^2/NDF:22.3/31

Out: -0.000+/-0.000 χ^2/NDF:37.5/33

All: 0.000+/-0.000 χ^2/NDF: 59.9/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:2506692.0/15

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

Left In: 0.000+/-0.000 χ^2/NDF:1583056.2/15

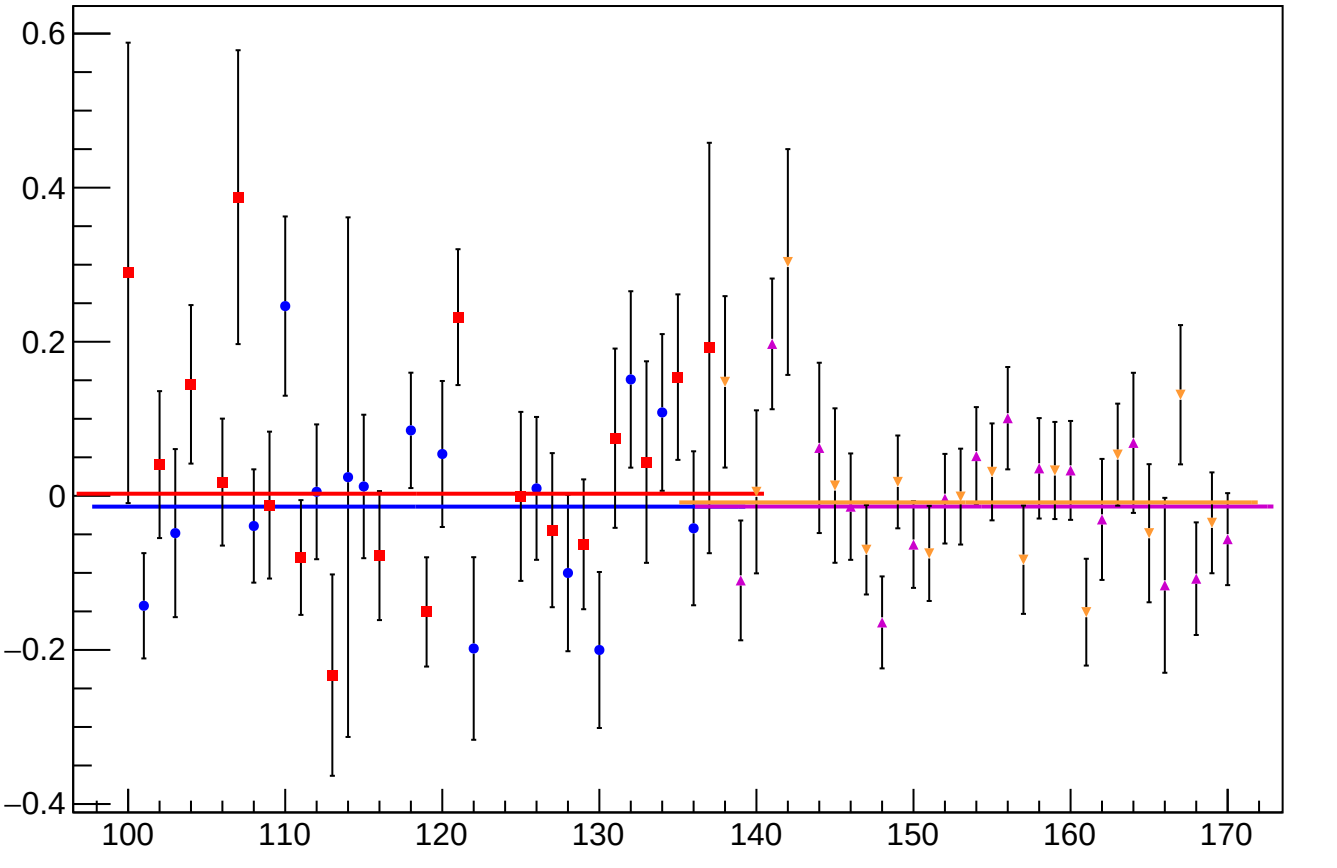
Left: 0.000+/-0.000 χ^2/NDF: 4396826.5/31

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

In: 0.000+/-0.000 χ^2/NDF:3891430.4/31

Out: 0.000+/-0.000 χ^2/NDF:5608773.8/33

All: 0.000+/-0.000 χ^2/NDF: 9700634.0/65



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

Left Out: -0.009+/-0.018 χ^2/NDF:18.9/15

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

Left In: -0.014+/-0.017 χ^2/NDF:24.3/15

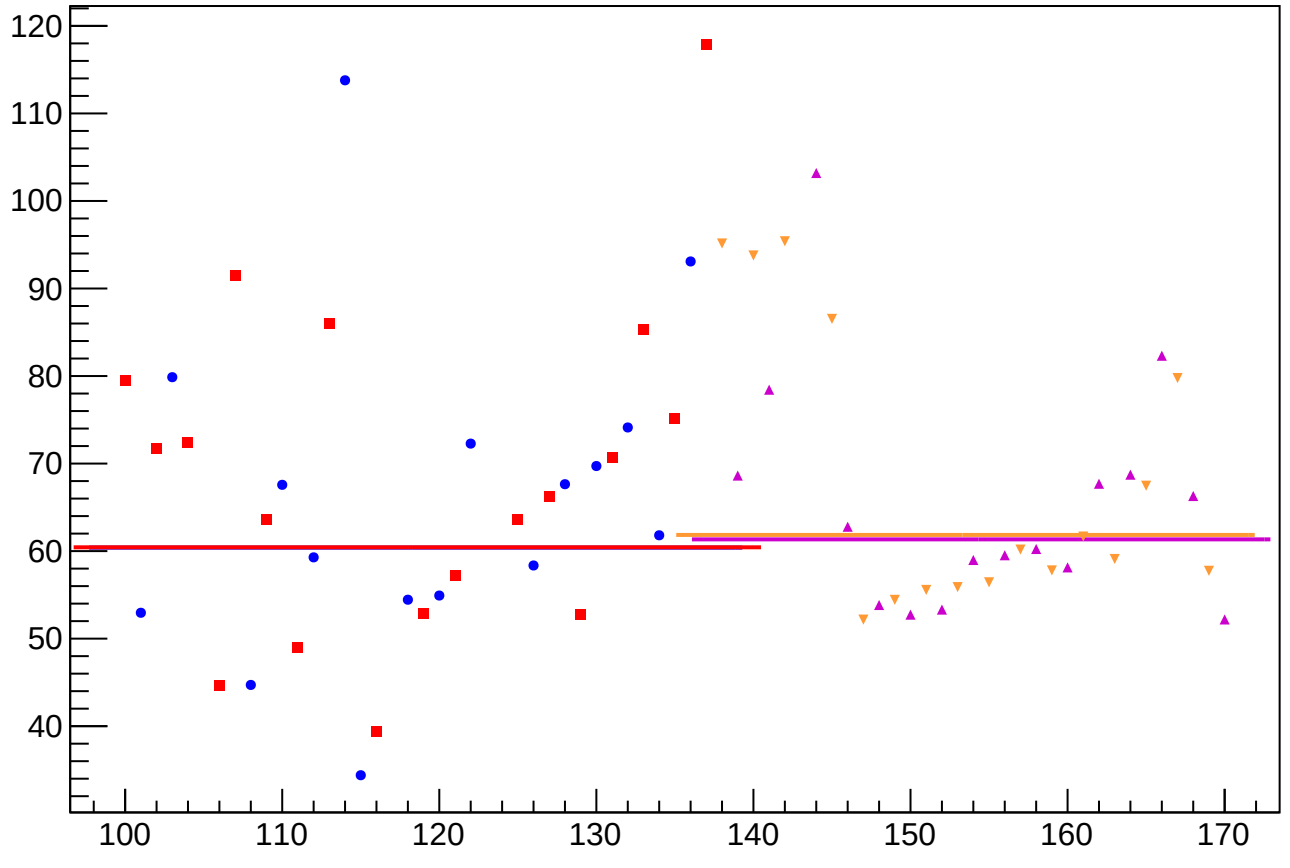
Left: -0.011+/-0.013 χ^2/NDF: 43.2/31

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.004+/-0.014 χ^2/NDF:46.8/33

All: -0.009+/-0.010 χ^2/NDF: 92.7/65



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

Left Out: 61.847+/-0.013 χ^2/NDF:834331.4/15

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

Left In: 61.341+/-0.012 χ^2/NDF:663461.0/15

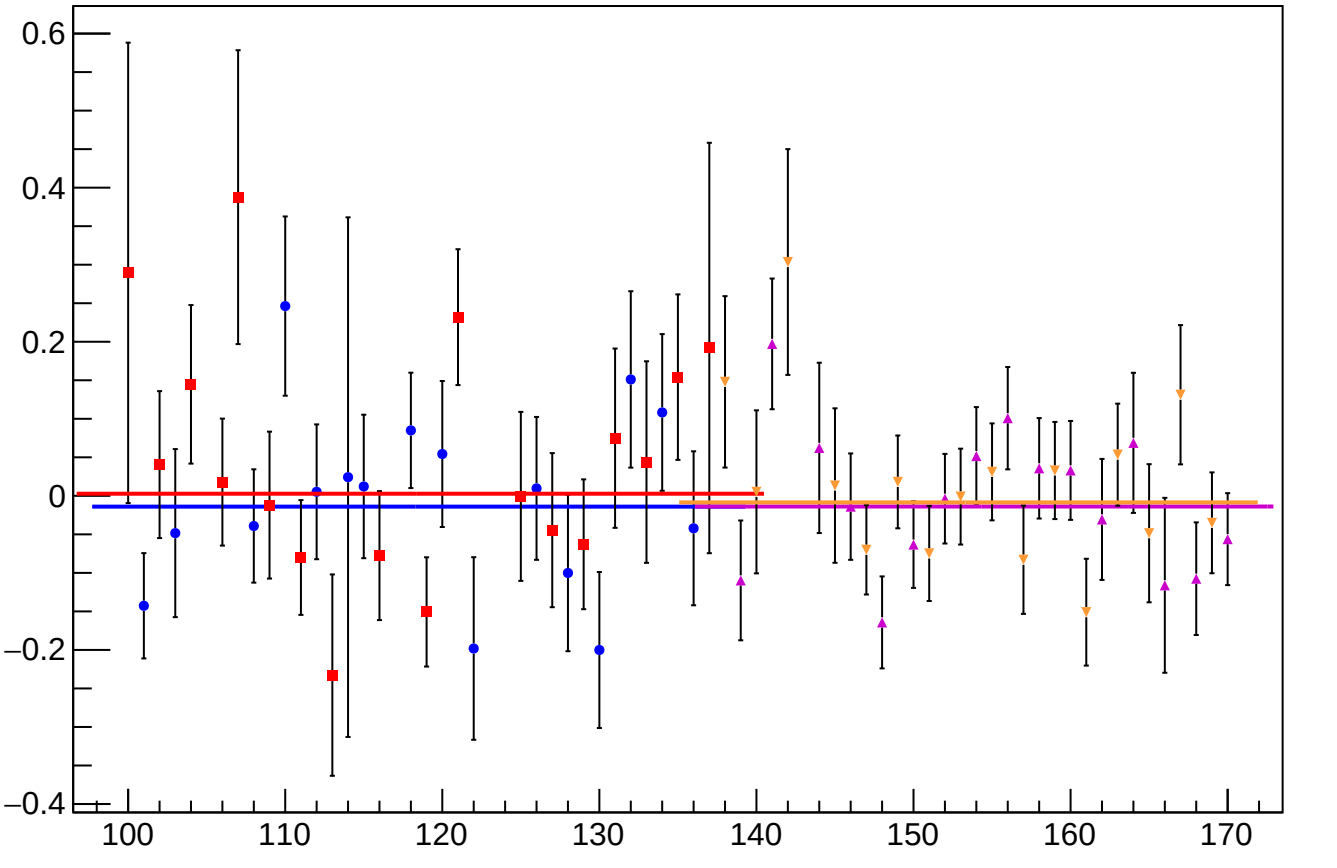
Left: 61.584+/-0.009 χ^2/NDF: 1498600.2/31

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

In: 61.012+/-0.010 χ^2/NDF:1368642.3/31

Out: 61.327+/-0.010 χ^2/NDF:1549882.9/33

All: 61.166+/-0.007 χ^2/NDF: 2919013.8/65



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

Left Out: -0.009+/-0.018 χ^2/NDF:18.9/15

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

Left In: -0.014+/-0.017 χ^2/NDF:24.3/15

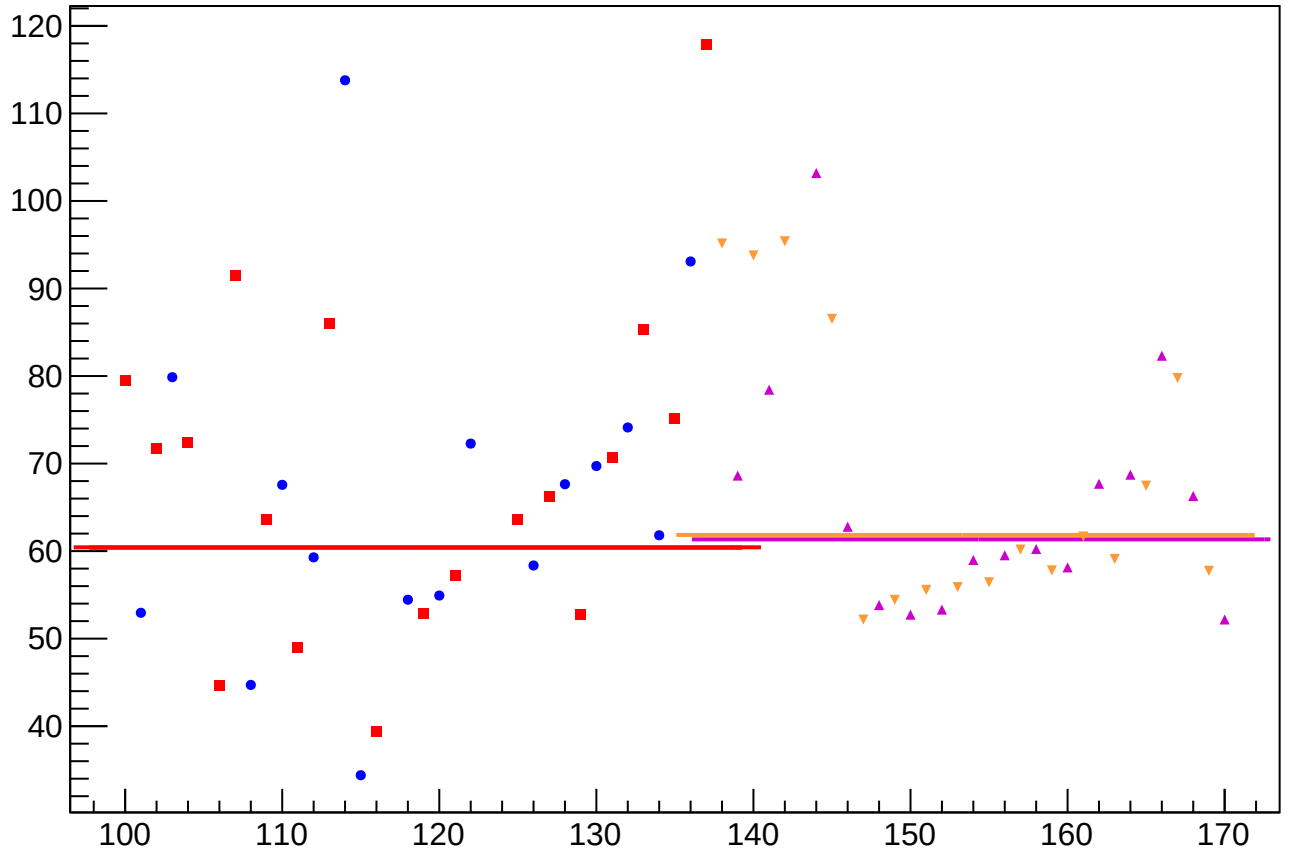
Left: -0.011+/-0.013 χ^2/NDF: 43.2/31

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.004+/-0.014 χ^2/NDF:46.8/33

All: -0.009+/-0.010 χ^2/NDF: 92.7/65



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

Left Out: 61.847+/-0.013 χ^2/NDF:834331.4/15

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

Left In: 61.341+/-0.012 χ^2/NDF:663461.0/15

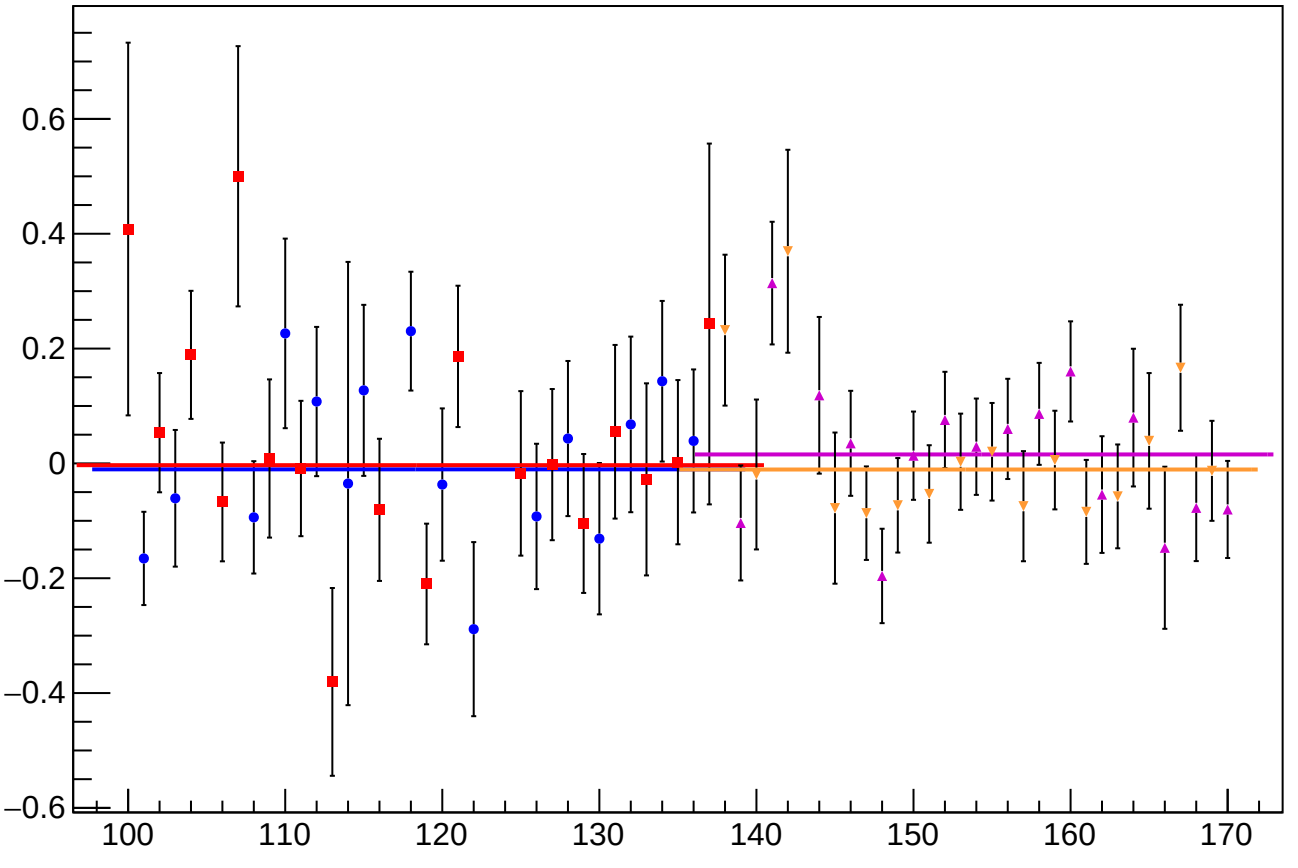
Left: 61.584+/-0.009 χ^2/NDF: 1498600.2/31

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

In: 61.012+/-0.010 χ^2/NDF:1368642.3/31

Out: 61.327+/-0.010 χ^2/NDF:1549882.9/33

All: 61.166+/-0.007 χ^2/NDF: 2919013.8/65



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

Left Out: -0.011+/-0.024 χ^2/NDF:14.4/15

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

Left In: 0.016+/-0.023 χ^2/NDF:25.0/15

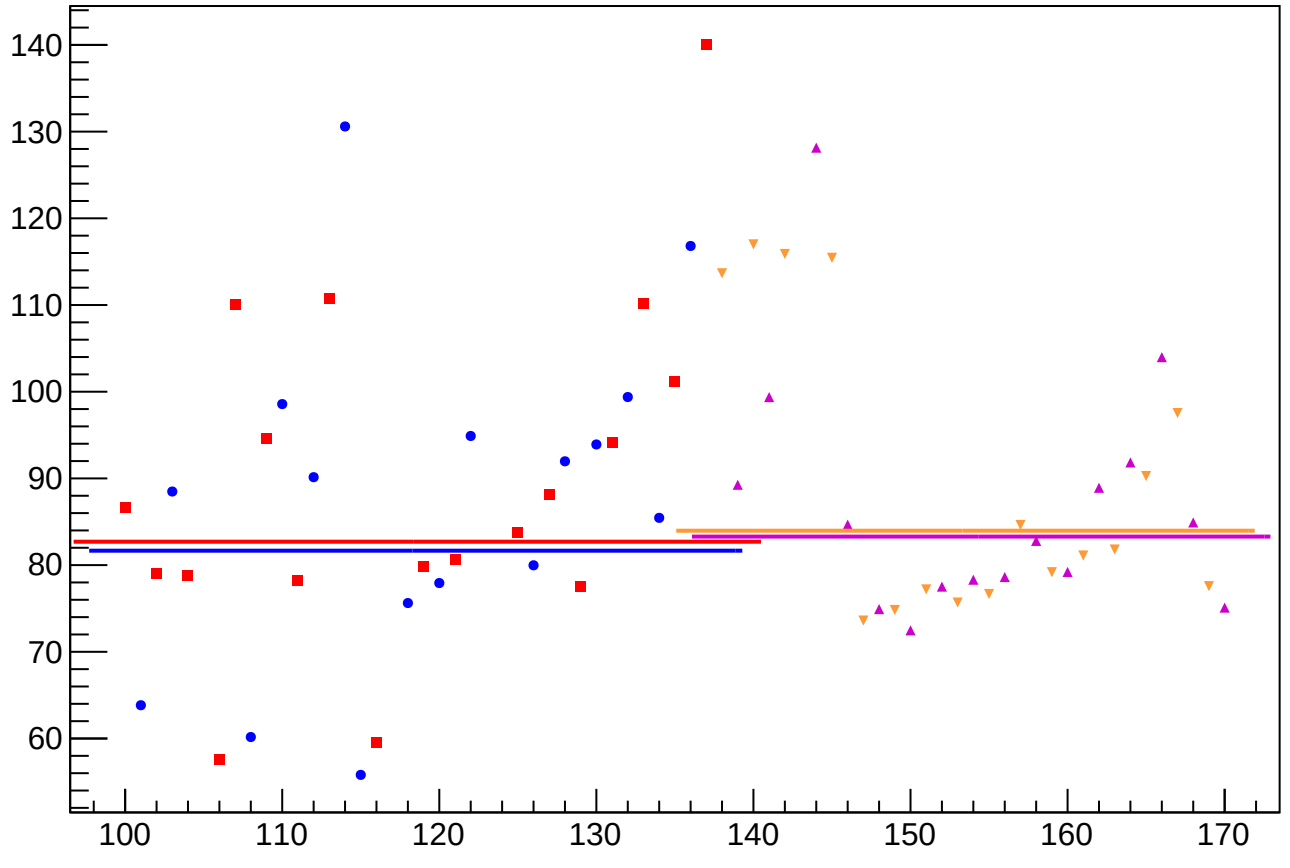
Left: 0.003+/-0.017 χ^2/NDF: 40.0/31

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

In: 0.006+/-0.019 χ^2/NDF:45.6/31

Out: -0.008+/-0.019 χ^2/NDF:38.1/33

All: -0.001+/-0.013 χ^2/NDF: 84.0/65



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

Left Out: 83.968+/-0.017 χ^2/NDF:570295.4/15

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

Left In: 83.290+/-0.017 χ^2/NDF:434652.8/15

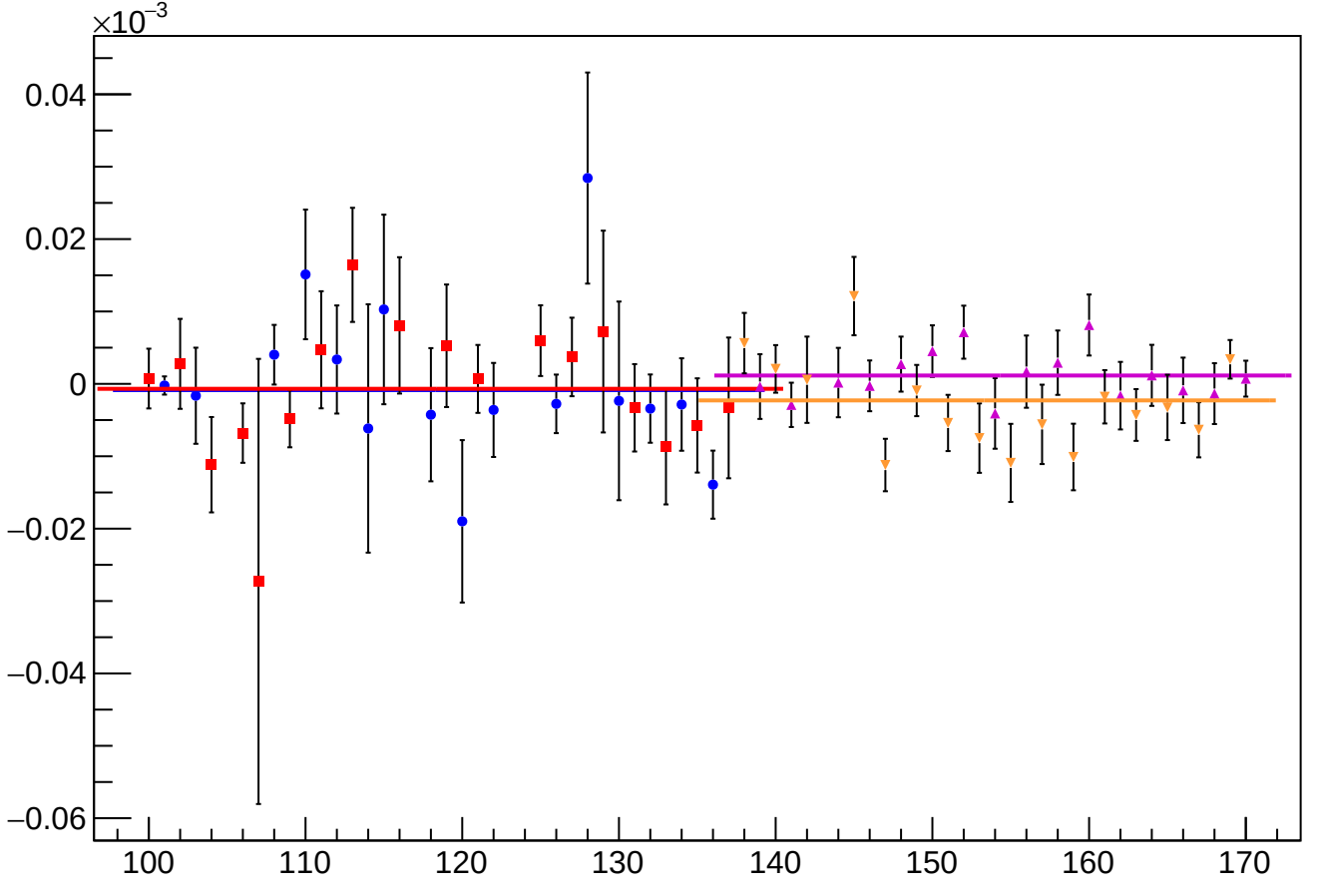
Left: 83.617+/-0.012 χ^2/NDF: 1005756.3/31

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

In: 82.714+/-0.013 χ^2/NDF:999920.8/31

Out: 83.501+/-0.014 χ^2/NDF:1045371.5/33

All: 83.098+/-0.010 χ^2/NDF: 2046999.7/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/15

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

Left In: 0.000+/-0.000 χ^2/NDF:10.8/15

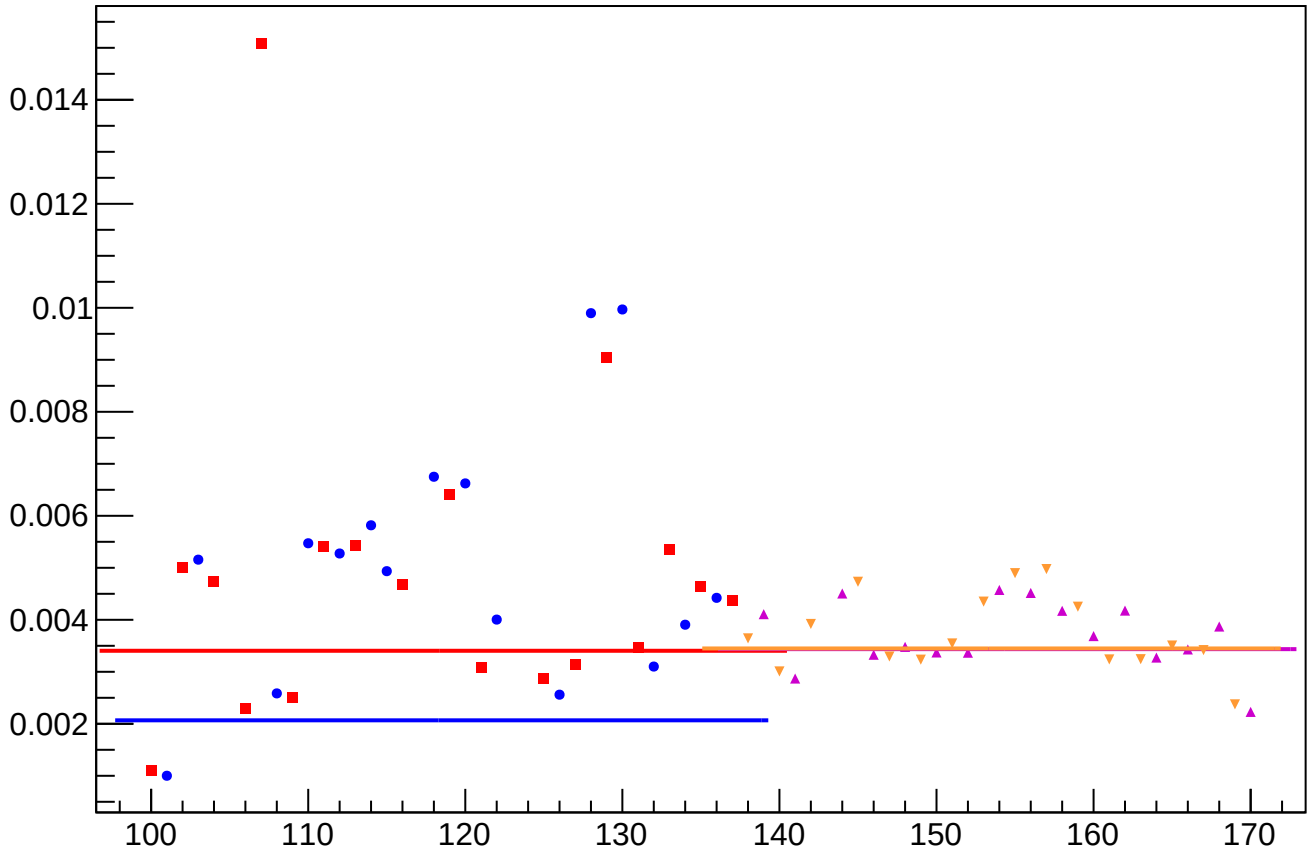
Left: -0.000+/-0.000 χ^2/NDF: 49.5/31

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

In: 0.000+/-0.000 χ^2/NDF:34.2/31

Out: -0.000+/-0.000 χ^2/NDF:51.8/33

All: -0.000+/-0.000 χ^2/NDF: 89.2/65



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

Left Out: 0.003+/-0.000 χ^2/NDF:947875.0/15

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

Left In: 0.003+/-0.000 χ^2/NDF:1029554.9/15

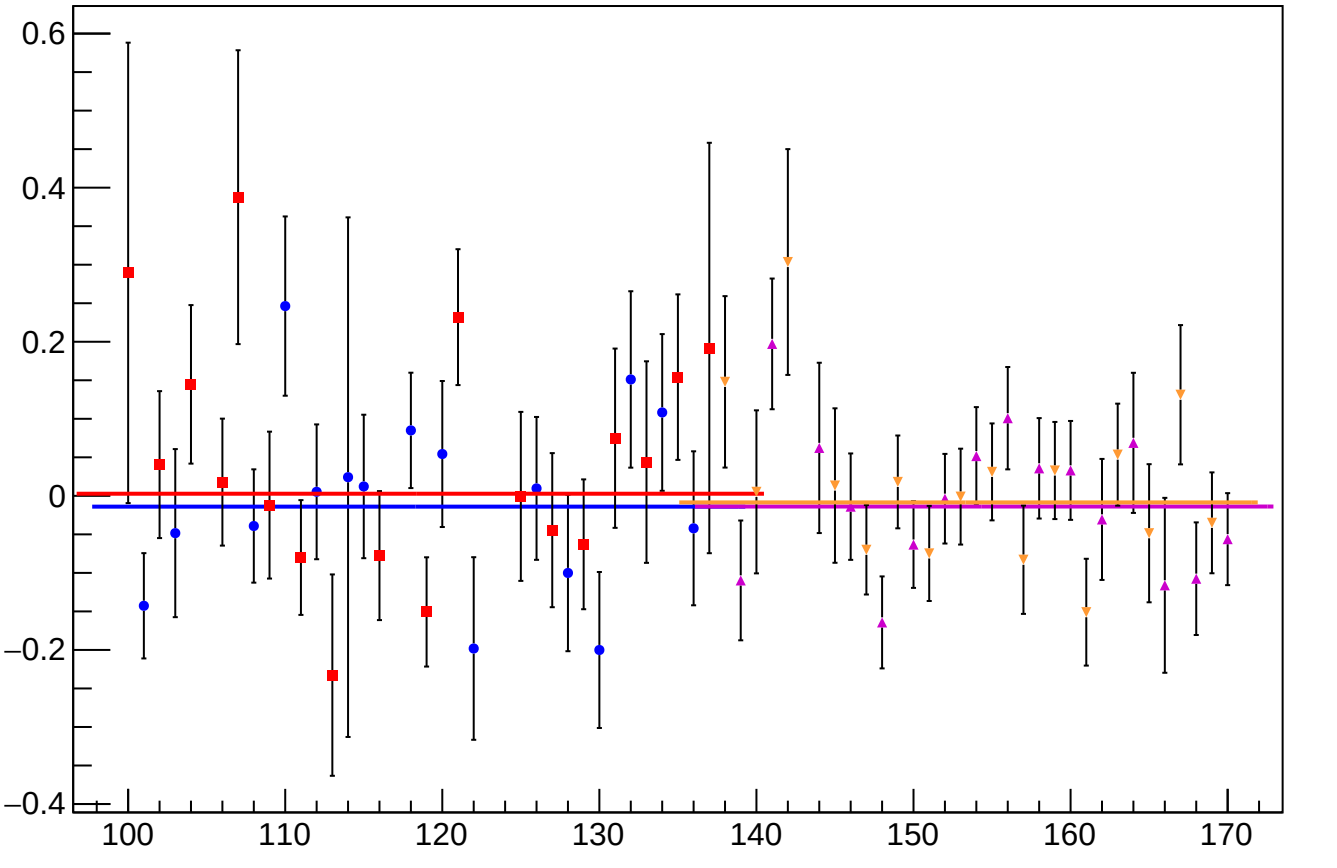
Left: 0.003+/-0.000 χ^2/NDF: 1977604.3/31

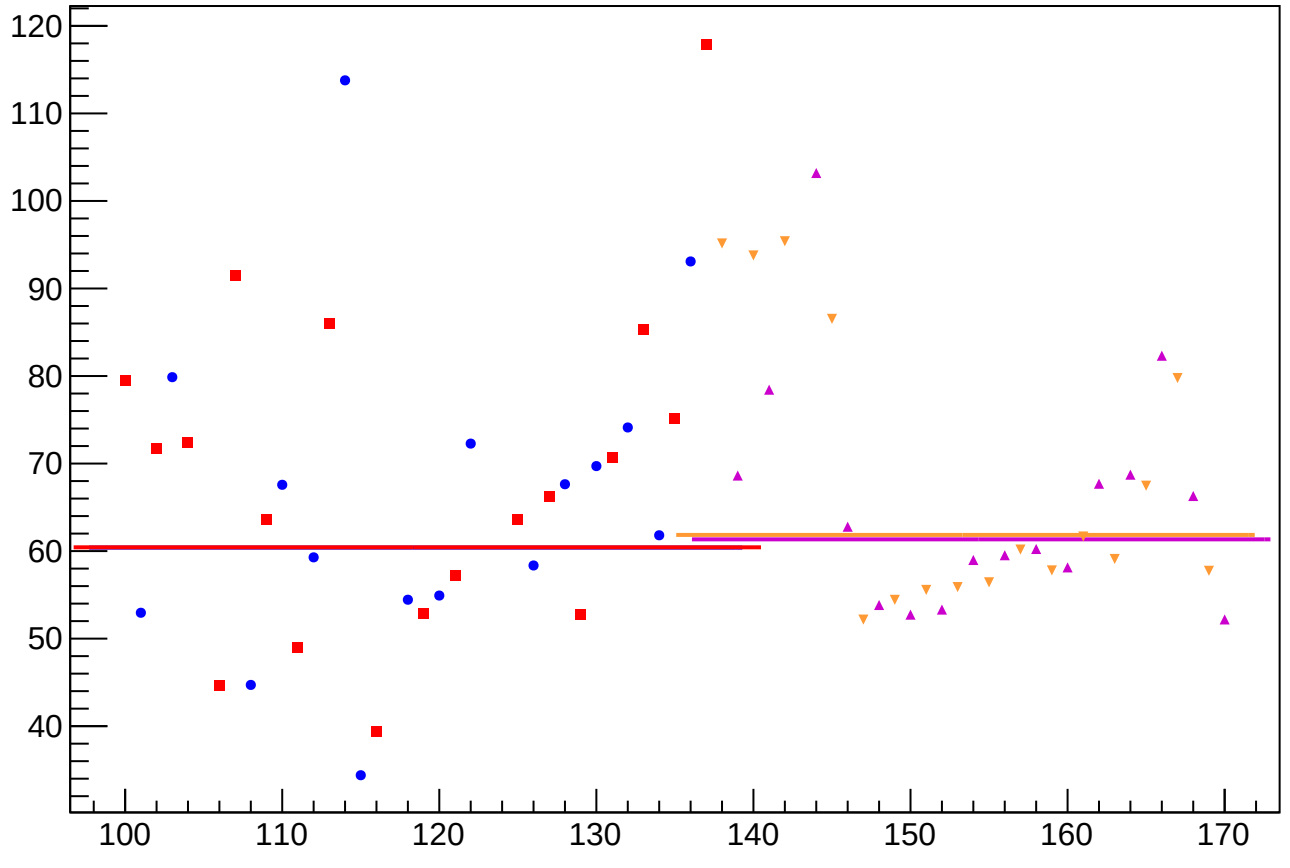
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:8758063.4/31

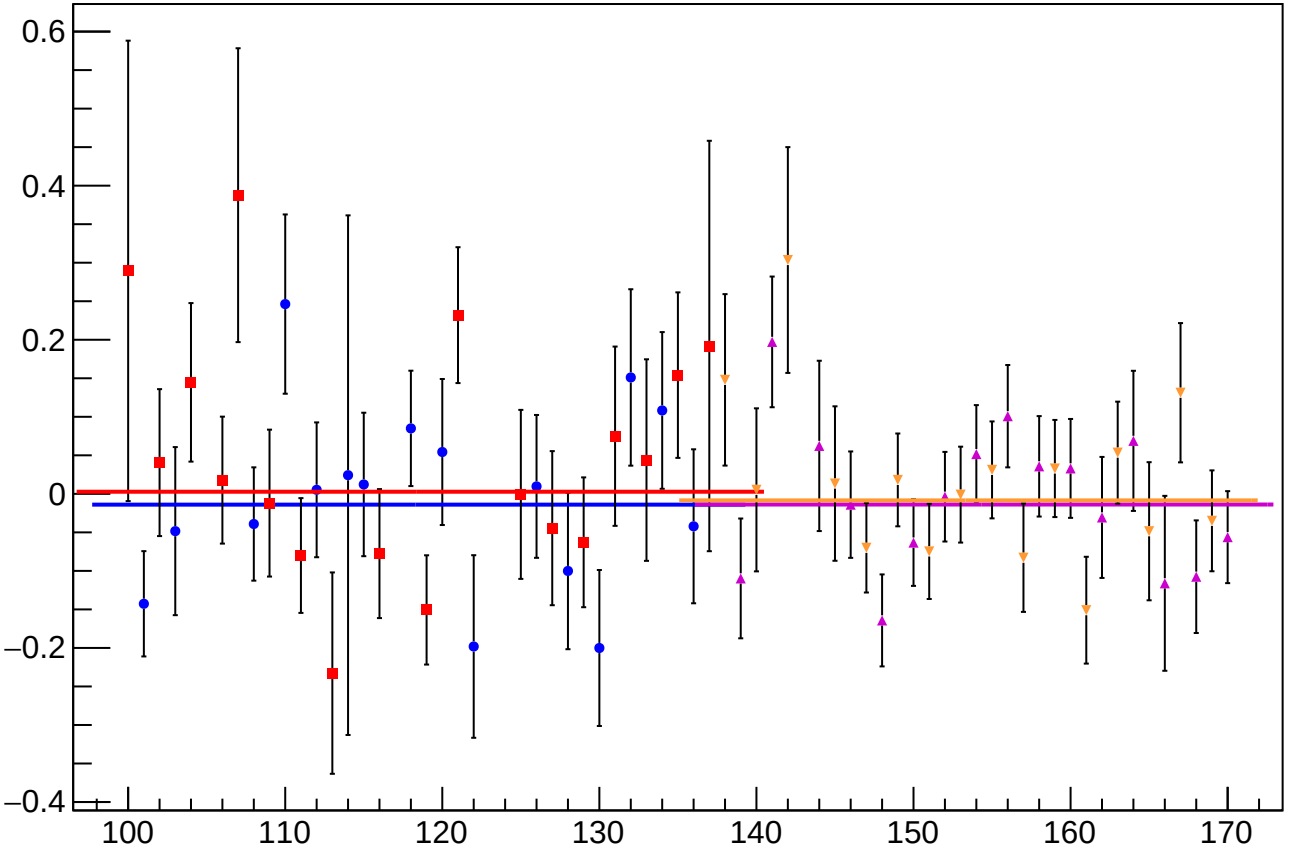
Out: 0.003+/-0.000 χ^2/NDF:3440485.6/33

All: 0.003+/-0.000 χ^2/NDF: 12942956.7/65


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: -0.009+/-0.018 χ²/NDF:18.9/15
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.014+/-0.017 χ²/NDF:24.3/15
Left: -0.011+/-0.013 χ²/NDF: 43.2/31
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.014+/-0.014 χ²/NDF:45.7/31
Out: -0.004+/-0.014 χ²/NDF:46.8/33
All: -0.009+/-0.010 χ²/NDF: 92.7/65


asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 61.848+/-0.013 χ²/NDF:834328.4/15
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 61.341+/-0.012 χ²/NDF:663457.2/15
Left: 61.585+/-0.009 χ²/NDF: 1498593.7/31
Right: 60.415+/-0.012 χ²/NDF: 1414293.7/33
In: 61.011+/-0.010 χ²/NDF:1368657.7/31
Out: 61.327+/-0.010 χ²/NDF:1549921.8/33
All: 61.165+/-0.007 χ²/NDF: 2919068.0/65

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.018 χ^2/NDF:18.9/15

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

Left In: -0.014+/-0.017 χ^2/NDF:24.3/15

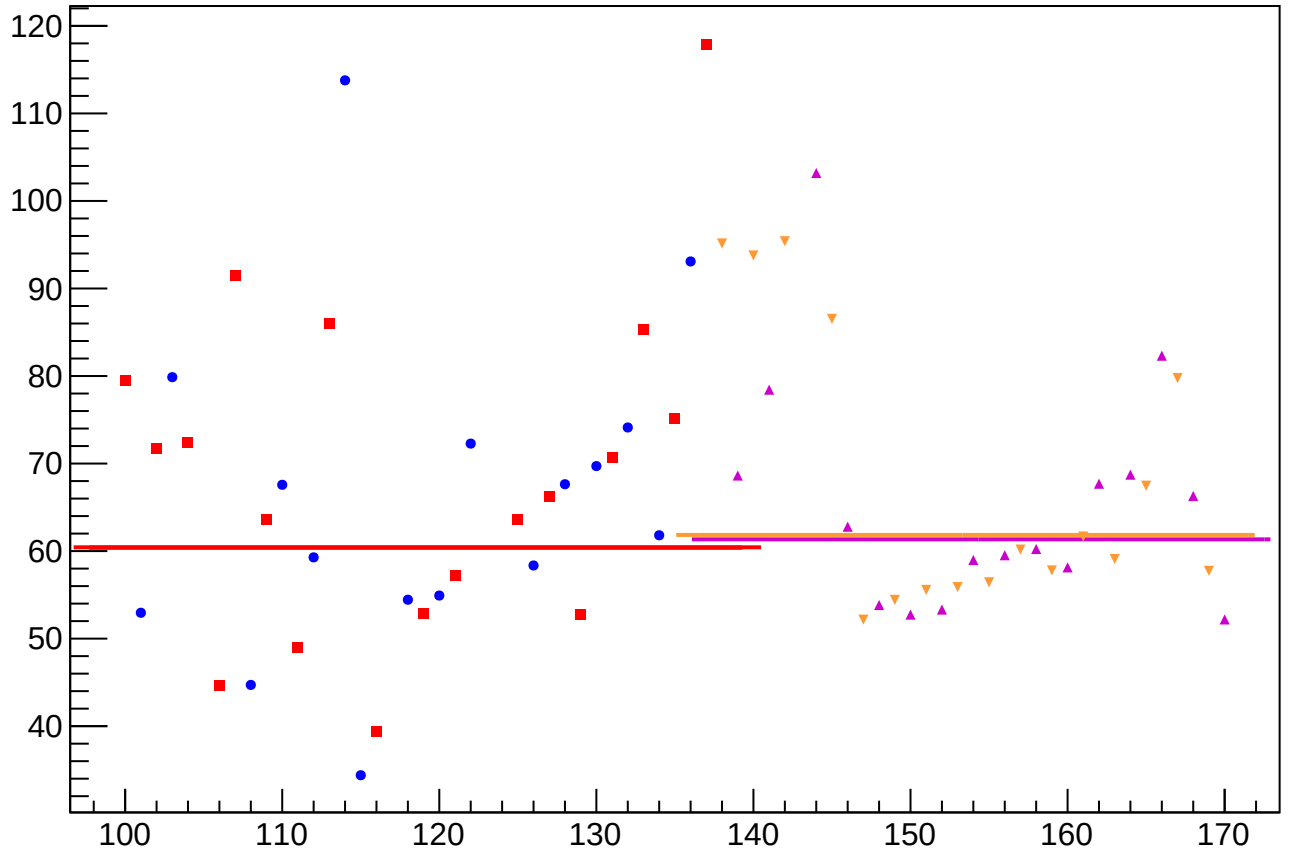
Left: -0.011+/-0.013 χ^2/NDF: 43.2/31

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.004+/-0.014 χ^2/NDF:46.8/33

All: -0.009+/-0.010 χ^2/NDF: 92.7/65



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

Left Out: 61.848+/-0.013 χ^2/NDF:834328.4/15

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

Left In: 61.341+/-0.012 χ^2/NDF:663457.2/15

Left: 61.585+/-0.009 χ^2/NDF: 1498593.7/31

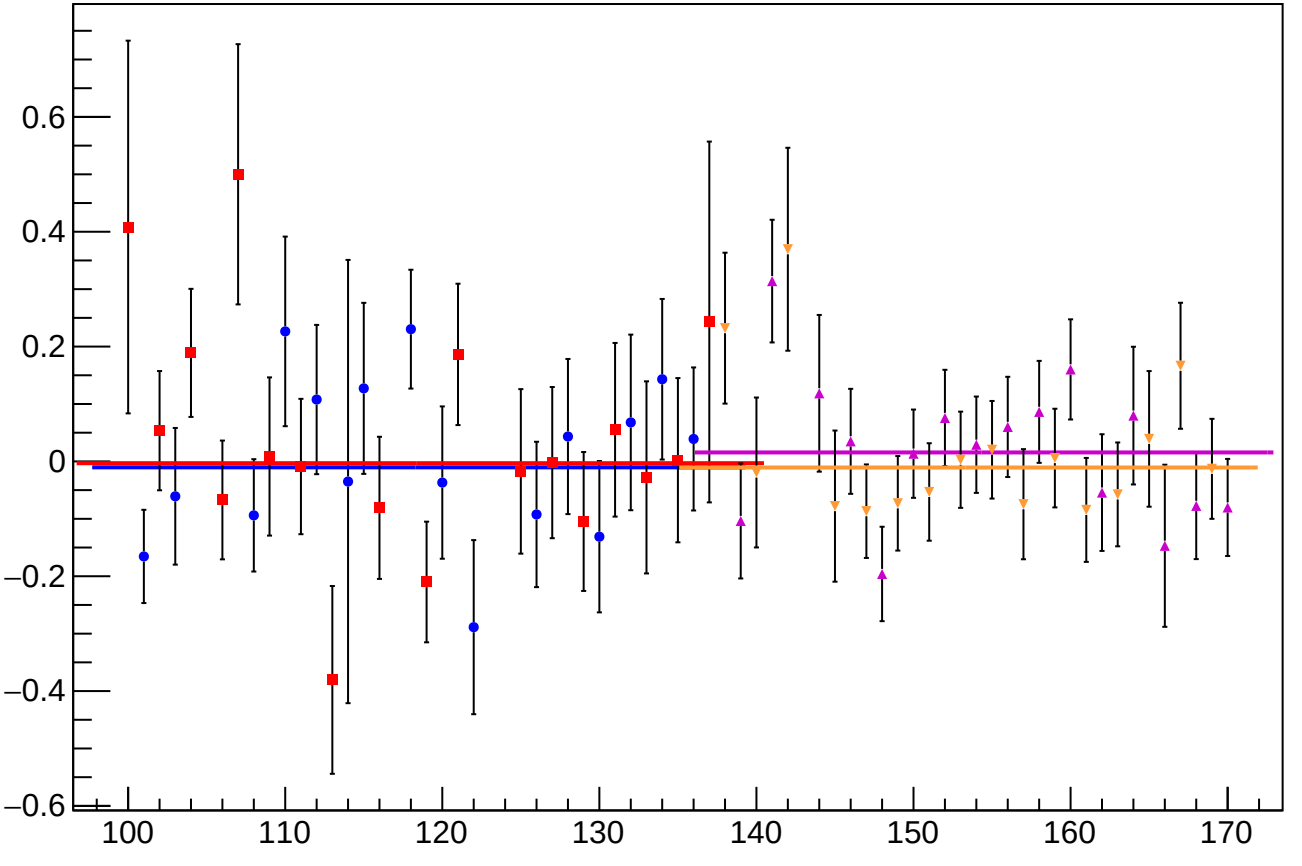
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.011+/-0.010 χ^2/NDF:1368657.7/31

Out: 61.327+/-0.010 χ^2/NDF:1549921.8/33

All: 61.165+/-0.007 χ^2/NDF: 2919068.0/65

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+/-0.024 χ^2/NDF:14.4/15

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

Left In: 0.016+/-0.023 χ^2/NDF:25.0/15

Left: 0.003+/-0.017 χ^2/NDF: 40.0/31

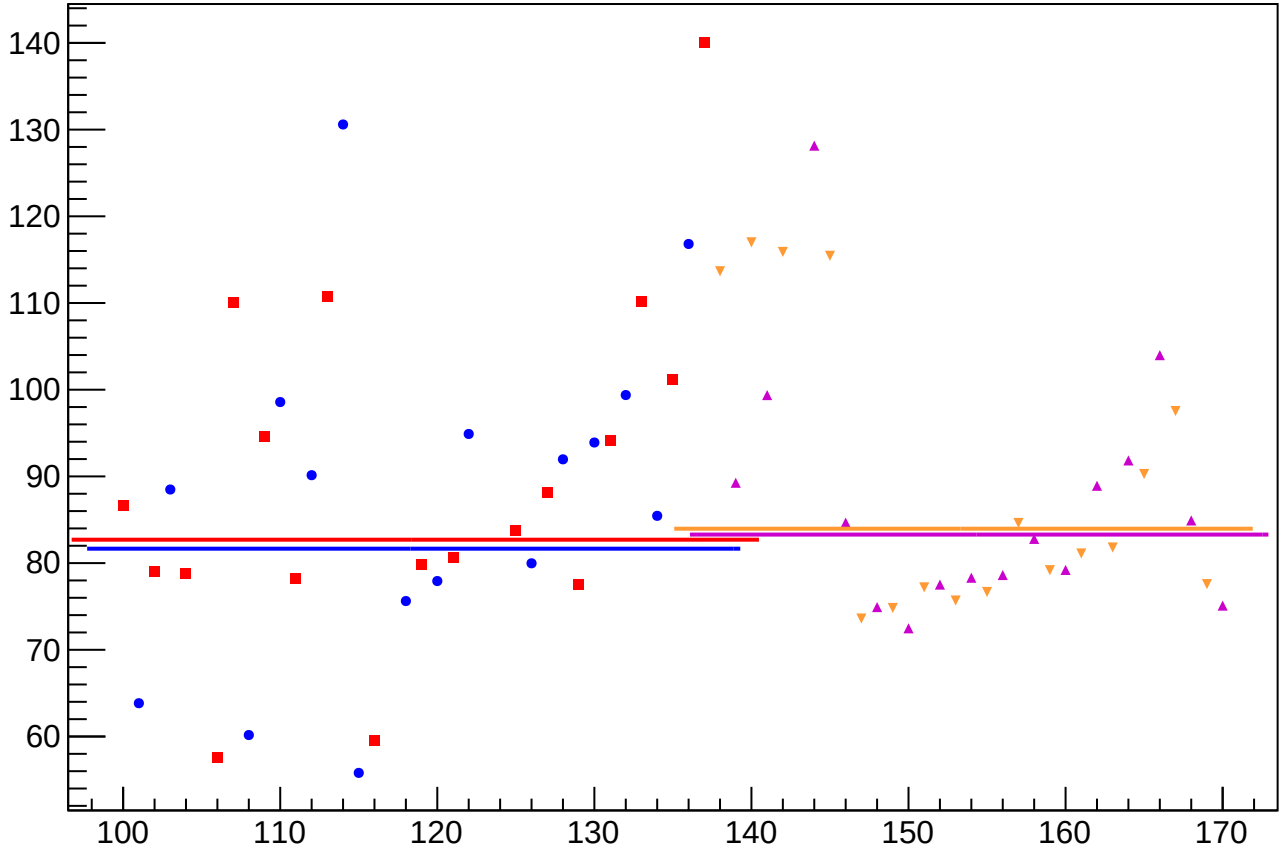
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.006+/-0.019 χ^2/NDF:45.6/31

Out: -0.008+/-0.019 χ^2/NDF:38.1/33

All: -0.001+/-0.013 χ^2/NDF: 84.0/65

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: 83.968+/-0.017 χ^2/NDF:570293.0/15

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

Left In: 83.290+/-0.017 χ^2/NDF:434652.3/15

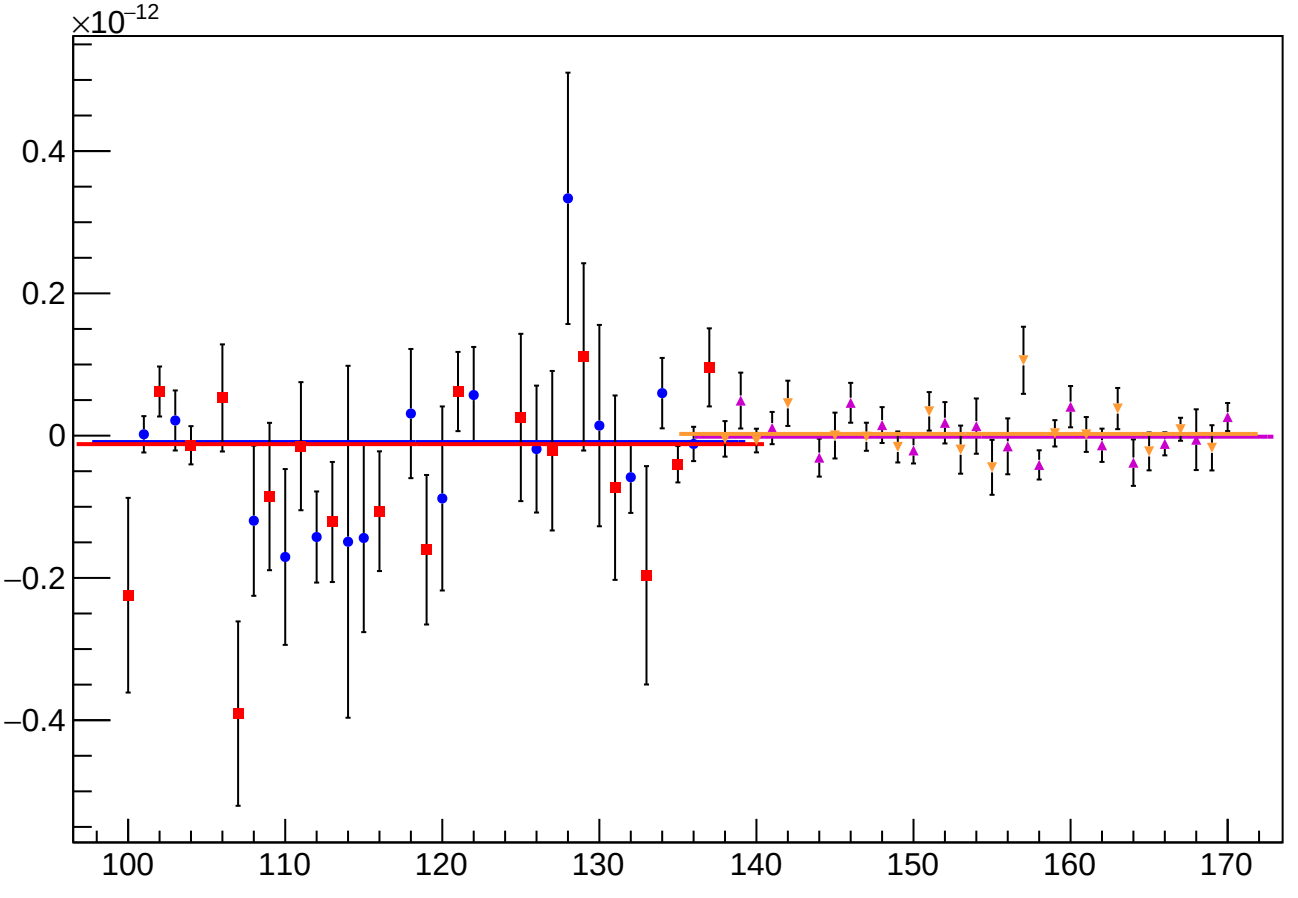
Left: 83.617+/-0.012 χ^2/NDF: 1005753.5/31

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

In: 82.714+/-0.013 χ^2/NDF:999912.3/31

Out: 83.501+/-0.014 χ^2/NDF:1045370.0/33

All: 83.098+/-0.010 χ^2/NDF: 2046989.6/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/15

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

Left In: -0.000+/-0.000 χ^2/NDF:18.0/15

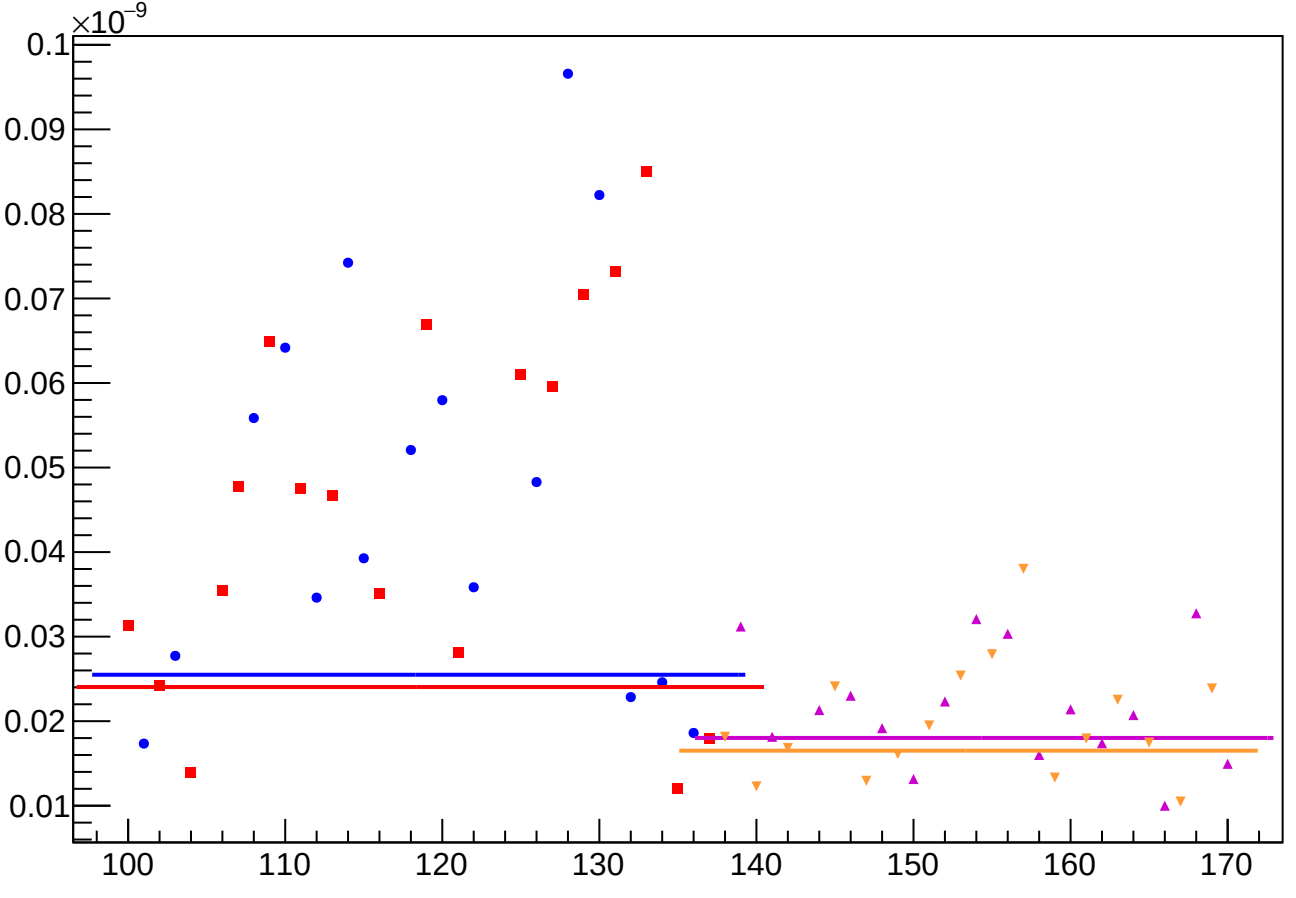
Left: 0.000+/-0.000 χ^2/NDF: 32.2/31

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

In: -0.000+/-0.000 χ^2/NDF:35.7/31

Out: -0.000+/-0.000 χ^2/NDF:46.0/33

All: -0.000+/-0.000 χ^2/NDF: 81.9/65



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

Left Out: 0.000+/-0.000 χ^2/NDF:1607612.7/15

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

Left In: 0.000+/-0.000 χ^2/NDF:1803250.9/15

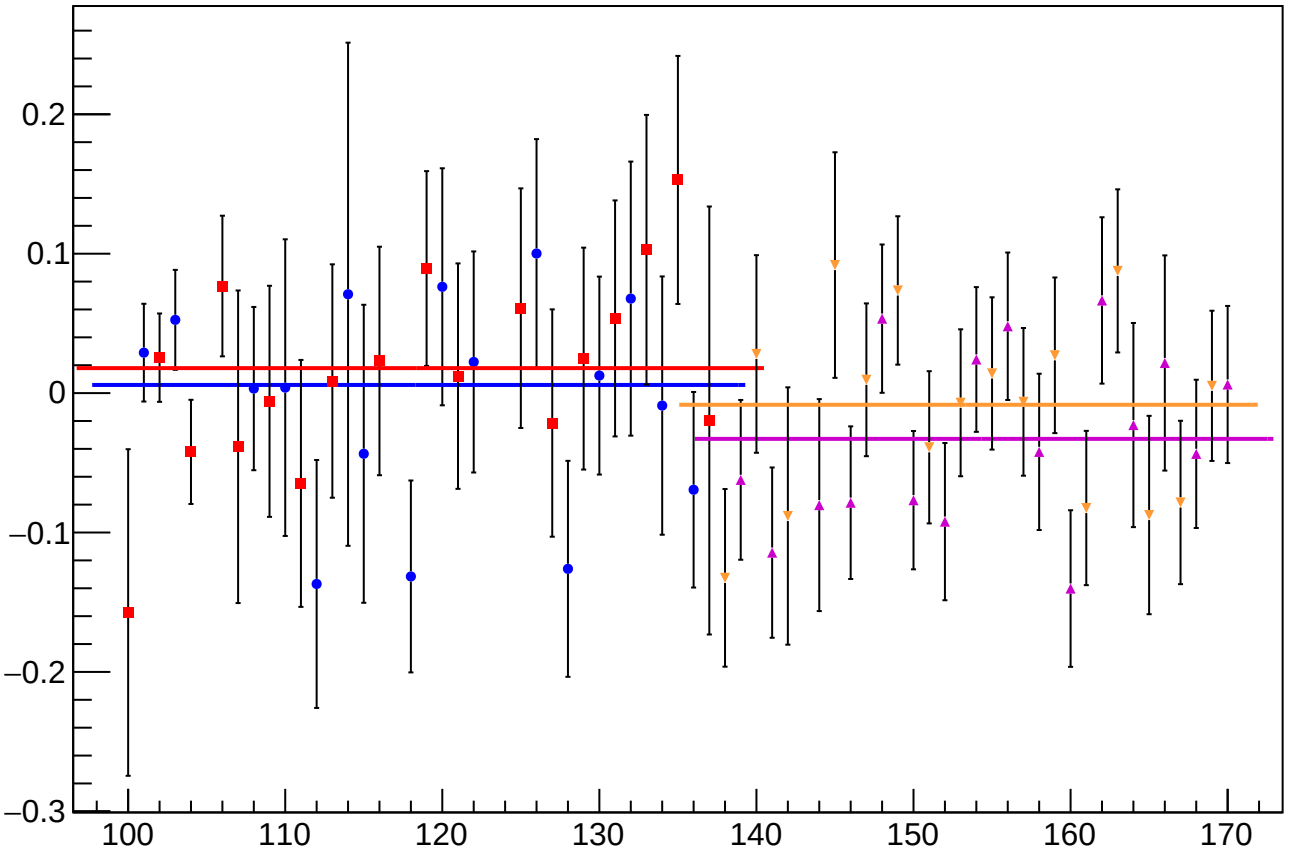
Left: 0.000+/-0.000 χ^2/NDF: 3470576.8/31

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

In: 0.000+/-0.000 χ^2/NDF:4323512.2/31

Out: 0.000+/-0.000 χ^2/NDF:5216192.0/33

All: 0.000+/-0.000 χ^2/NDF: 9620405.9/65



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

Left Out: -0.008+/-0.015 χ^2/NDF:16.9/15

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

Left In: -0.033+/-0.014 χ^2/NDF:18.7/15

Left: -0.021+/-0.010 χ^2/NDF: 37.0/31

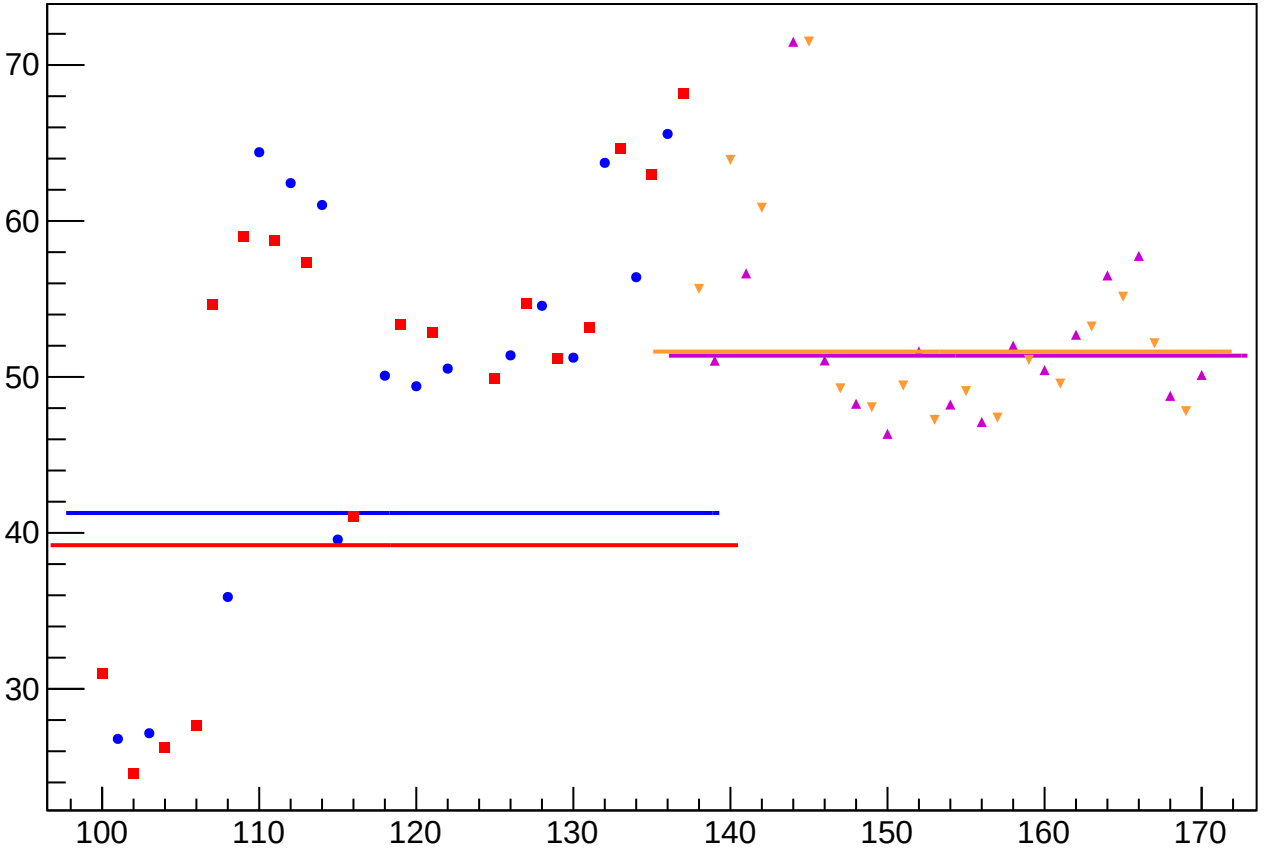
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:37.4/31

Out: 0.004+/-0.011 χ^2/NDF:30.7/33

All: -0.006+/-0.008 χ^2/NDF: 69.8/65

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: 51.626+/-0.010 χ^2/NDF:275156.0/15

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

Left In: 51.363+/-0.010 χ^2/NDF:233682.3/15

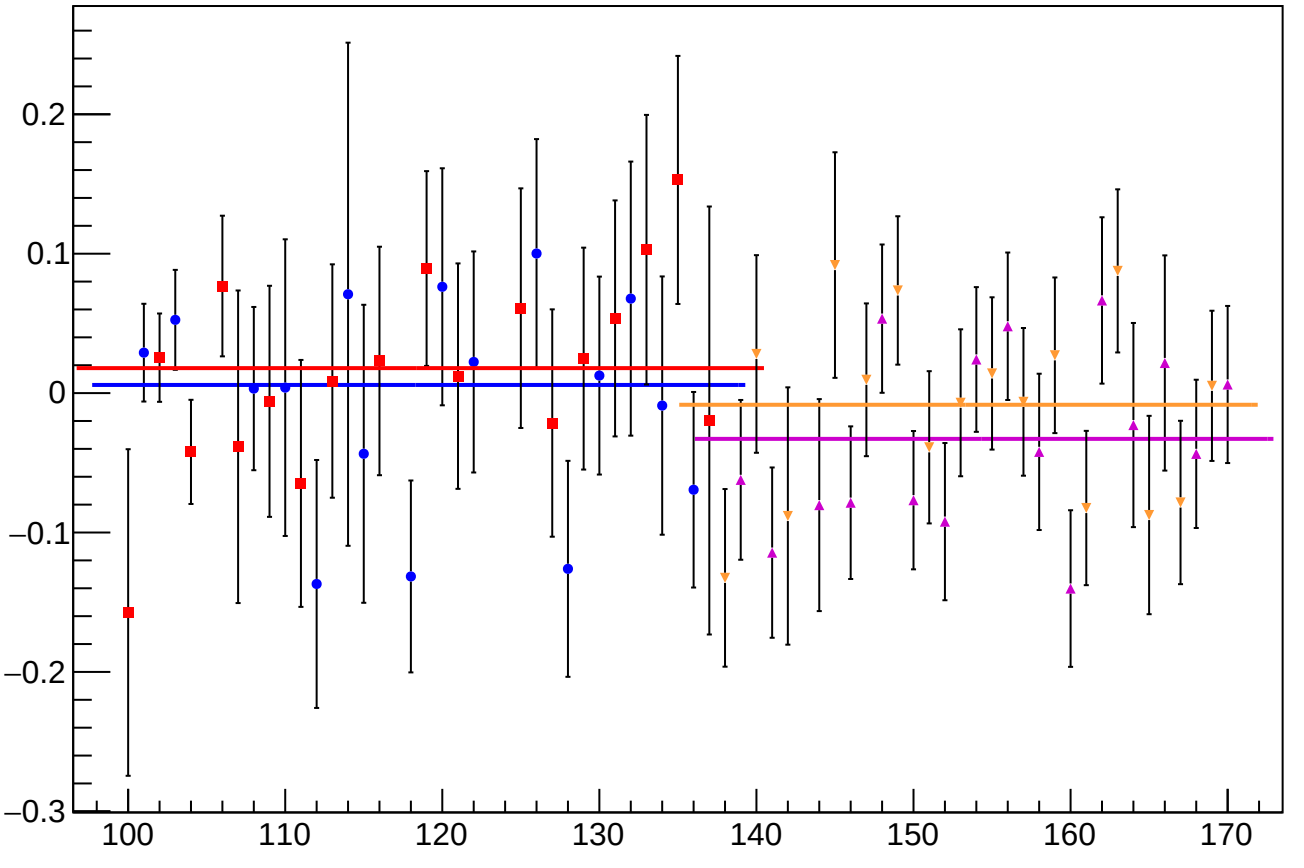
Left: 51.491+/-0.007 χ^2/NDF: 509161.4/31

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

In: 47.009+/-0.008 χ^2/NDF:2162370.3/31

Out: 45.796+/-0.008 χ^2/NDF:2755338.9/33

All: 46.398+/-0.005 χ^2/NDF: 4930289.5/65



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

Left Out: -0.008+/-0.015 χ^2/NDF:16.9/15

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

Left In: -0.033+/-0.014 χ^2/NDF:18.7/15

Left: -0.021+/-0.010 χ^2/NDF: 37.0/31

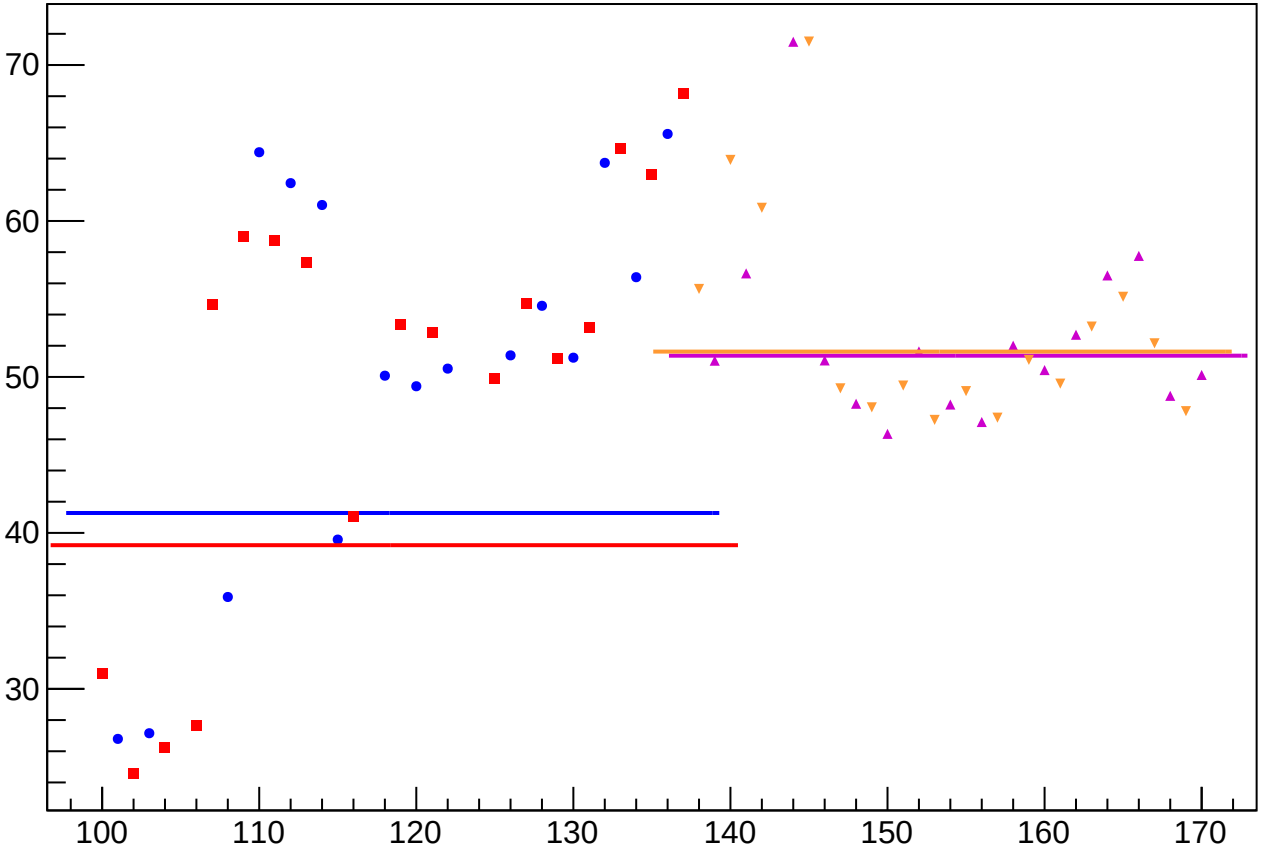
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:37.4/31

Out: 0.004+/-0.011 χ^2/NDF:30.7/33

All: -0.006+/-0.008 χ^2/NDF: 69.8/65

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: 51.626+/-0.010 χ^2/NDF:275156.0/15

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

Left In: 51.363+/-0.010 χ^2/NDF:233682.3/15

Left: 51.491+/-0.007 χ^2/NDF: 509161.4/31

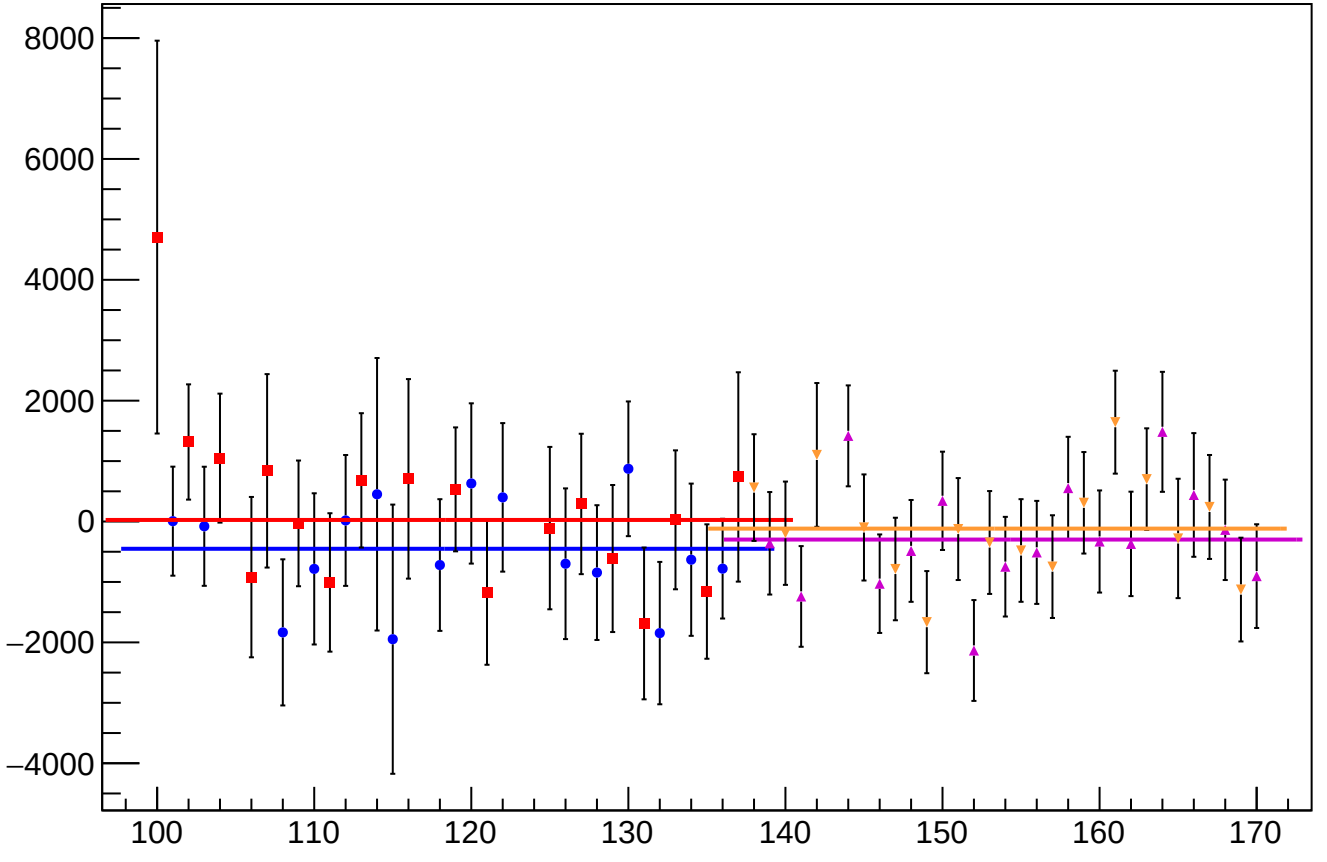
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.009+/-0.008 χ^2/NDF:2162370.3/31

Out: 45.796+/-0.008 χ^2/NDF:2755338.9/33

All: 46.398+/-0.005 χ^2/NDF: 4930289.5/65

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -117.320+/-218.508 χ^2/NDF:13.5/15

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

Left In: -298.365+/-213.793 χ^2/NDF:17.5/15

Left: -209.816+/-152.814 χ^2/NDF: 31.3/31

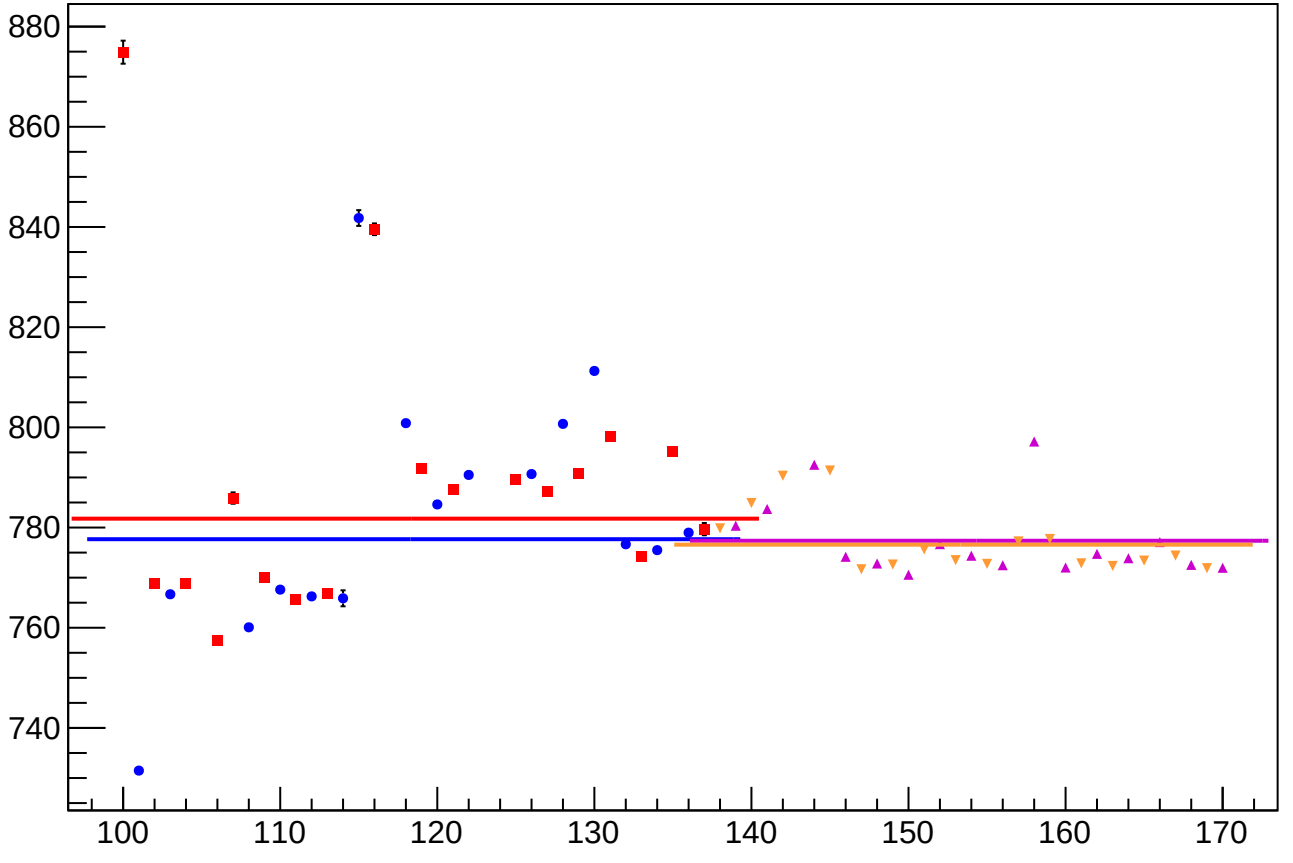
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -352.346+/-171.864 χ^2/NDF:24.6/31

Out: -64.942+/-174.093 χ^2/NDF:25.3/33

All: -210.496+/-122.307 χ^2/NDF: 51.3/65

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.584+/-0.155 χ^2/NDF:1420.9/15

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

Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

Left: 776.983+/-0.108 χ^2/NDF: 3915.3/31

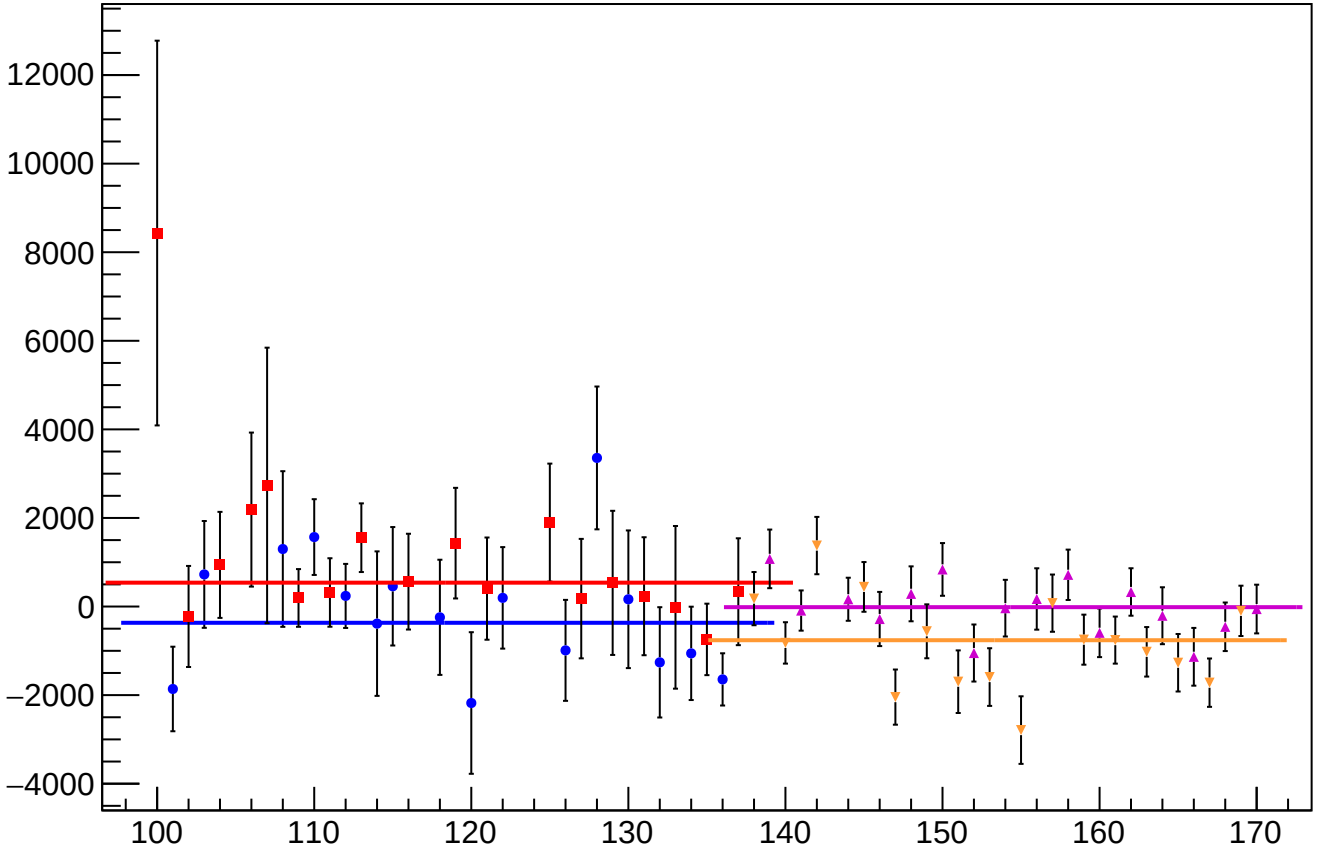
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

Out: 778.480+/-0.123 χ^2/NDF:9459.7/33

All: 777.971+/-0.086 χ^2/NDF: 24031.9/65

asym_us_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left Out: -760.592+/-148.476 χ^2/NDF:39.7/15

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

Left In: -14.183+/-144.785 χ^2/NDF:14.9/15

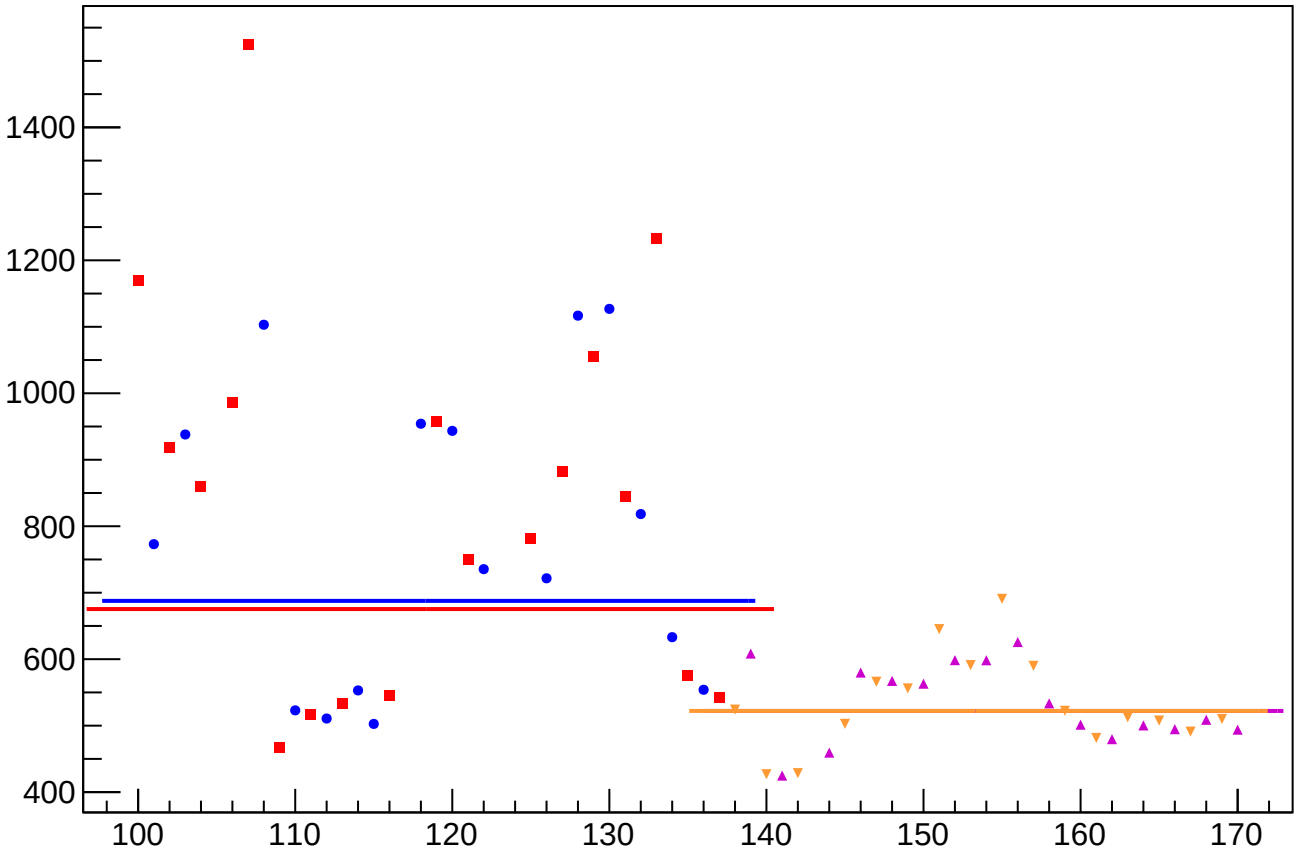
Left: -377.995+/-103.659 χ^2/NDF: 67.6/31

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

In: -94.497+/-127.244 χ^2/NDF:39.5/31

Out: -446.359+/-129.284 χ^2/NDF:69.9/33

All: -267.630+/-90.688 χ^2/NDF: 113.2/65



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

Left Out: 522.154+/-0.105 χ^2/NDF:366831.4/15

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

Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

Left: 522.136+/-0.073 χ^2/NDF: 693640.7/31

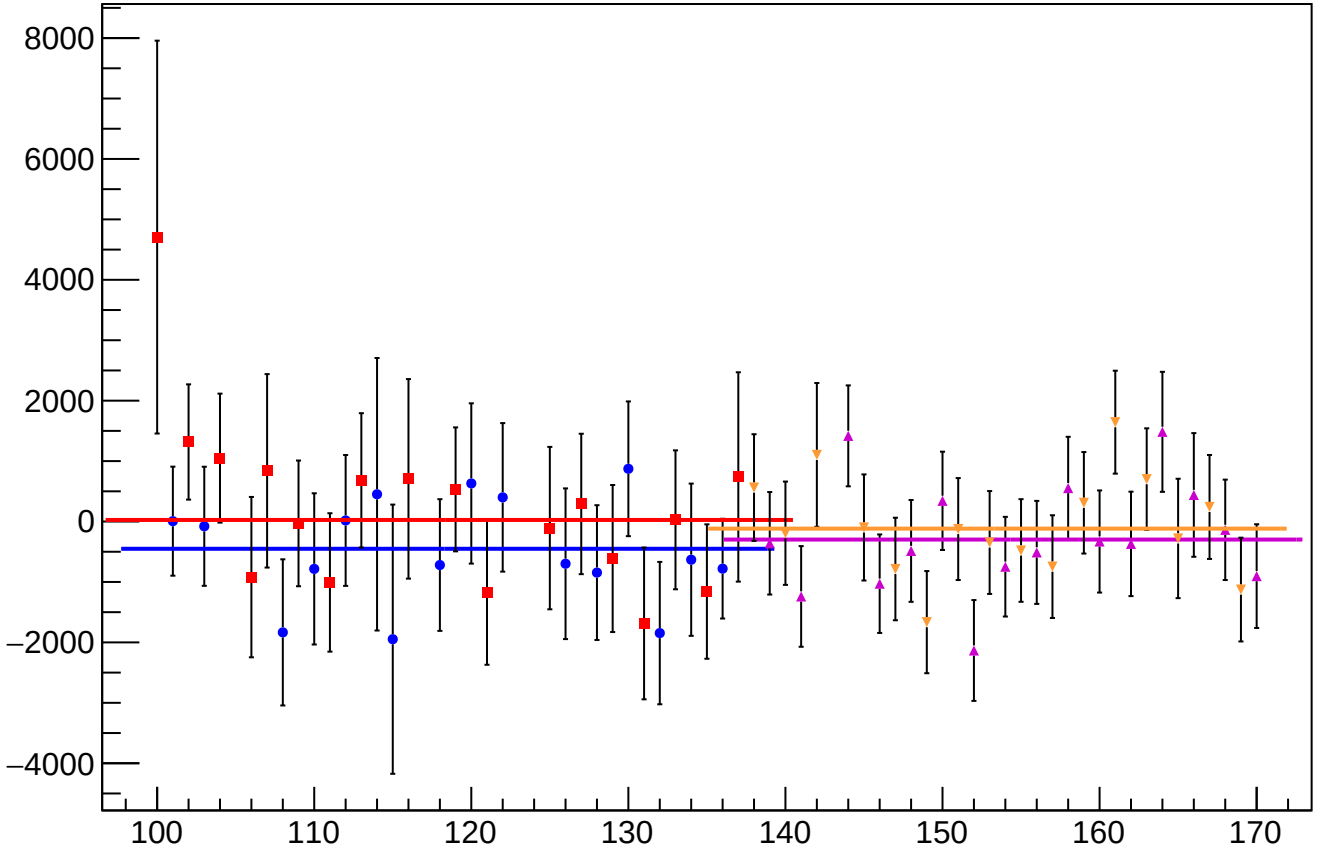
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

Out: 559.214+/-0.091 χ^2/NDF:2195101.3/33

All: 559.518+/-0.064 χ^2/NDF: 4149405.3/65

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -117.320+/-218.508 χ^2/NDF:13.5/15

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

Left In: -298.365+/-213.793 χ^2/NDF:17.5/15

Left: -209.816+/-152.814 χ^2/NDF: 31.3/31

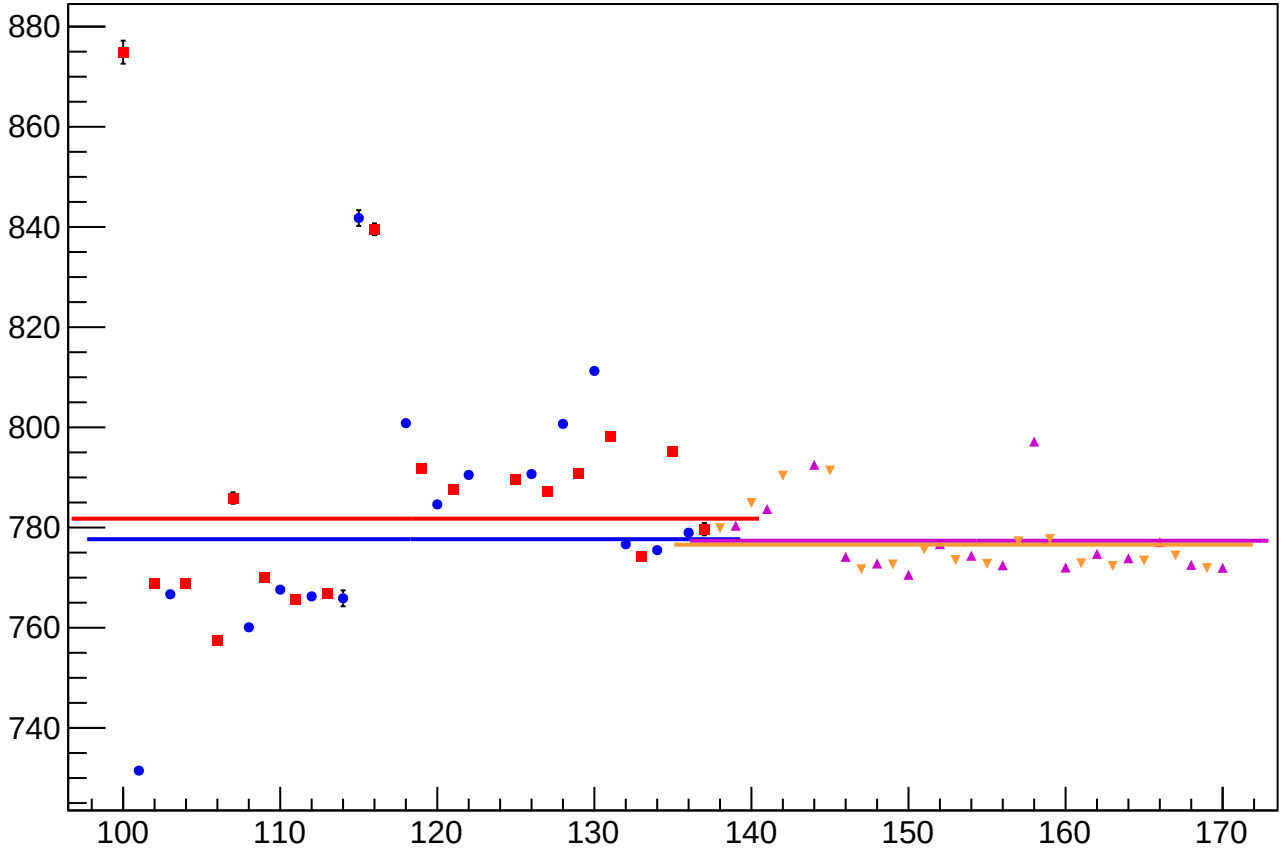
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -352.346+/-171.864 χ^2/NDF:24.6/31

Out: -64.942+/-174.093 χ^2/NDF:25.3/33

All: -210.496+/-122.307 χ^2/NDF: 51.3/65

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.584+/-0.155 χ^2/NDF:1420.9/15

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

Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

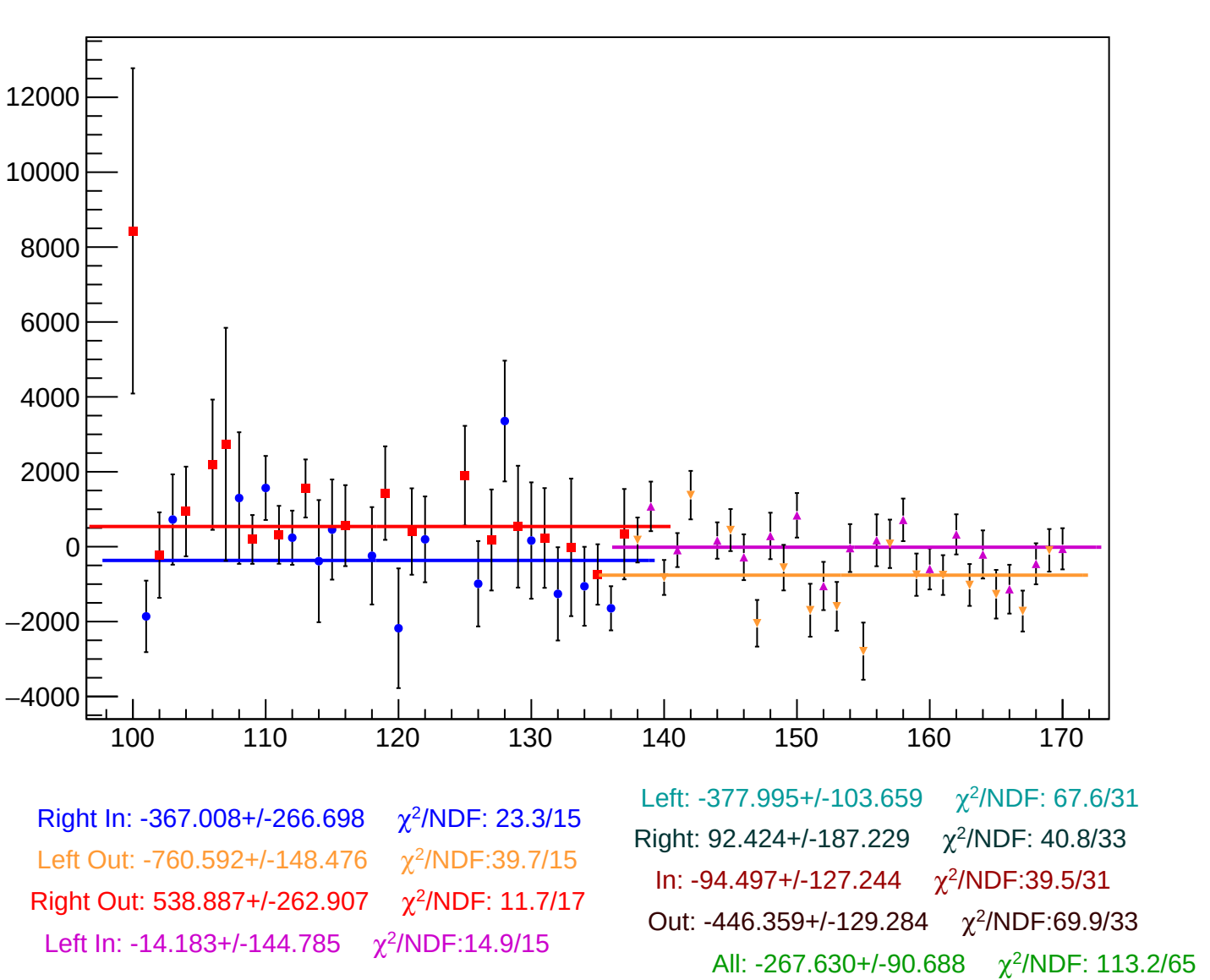
Left: 776.983+/-0.108 χ^2/NDF: 3915.3/31

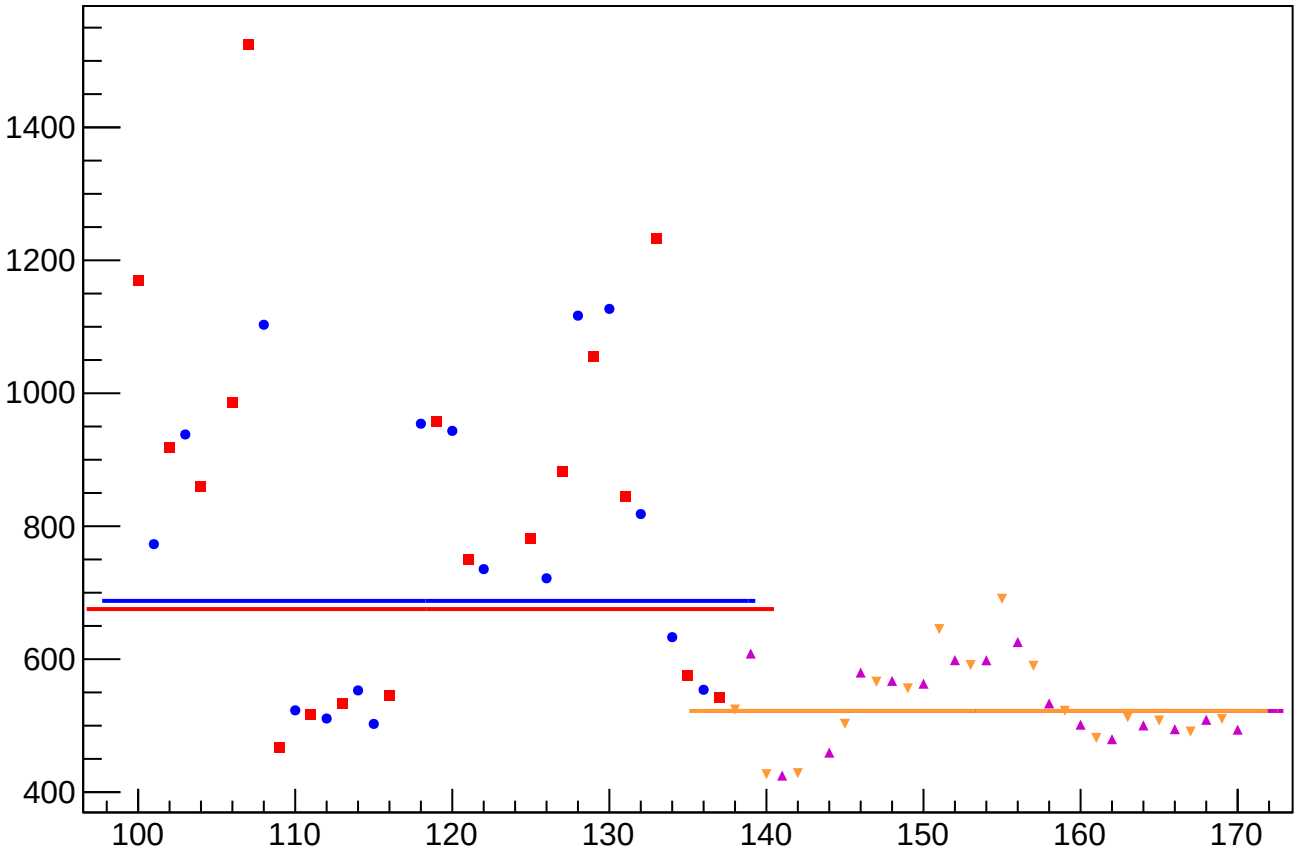
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

Out: 778.480+/-0.123 χ^2/NDF:9459.7/33

All: 777.971+/-0.086 χ^2/NDF: 24031.9/65


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -760.592+/-148.476 χ²/NDF:39.7/15
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: -14.183+/-144.785 χ²/NDF:14.9/15
Left: -377.995+/-103.659 χ²/NDF: 67.6/31
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: -94.497+/-127.244 χ²/NDF:39.5/31
Out: -446.359+/-129.284 χ²/NDF:69.9/33
All: -267.630+/-90.688 χ²/NDF: 113.2/65



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

Left Out: 522.154+/-0.105 χ^2/NDF:366831.4/15

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

Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

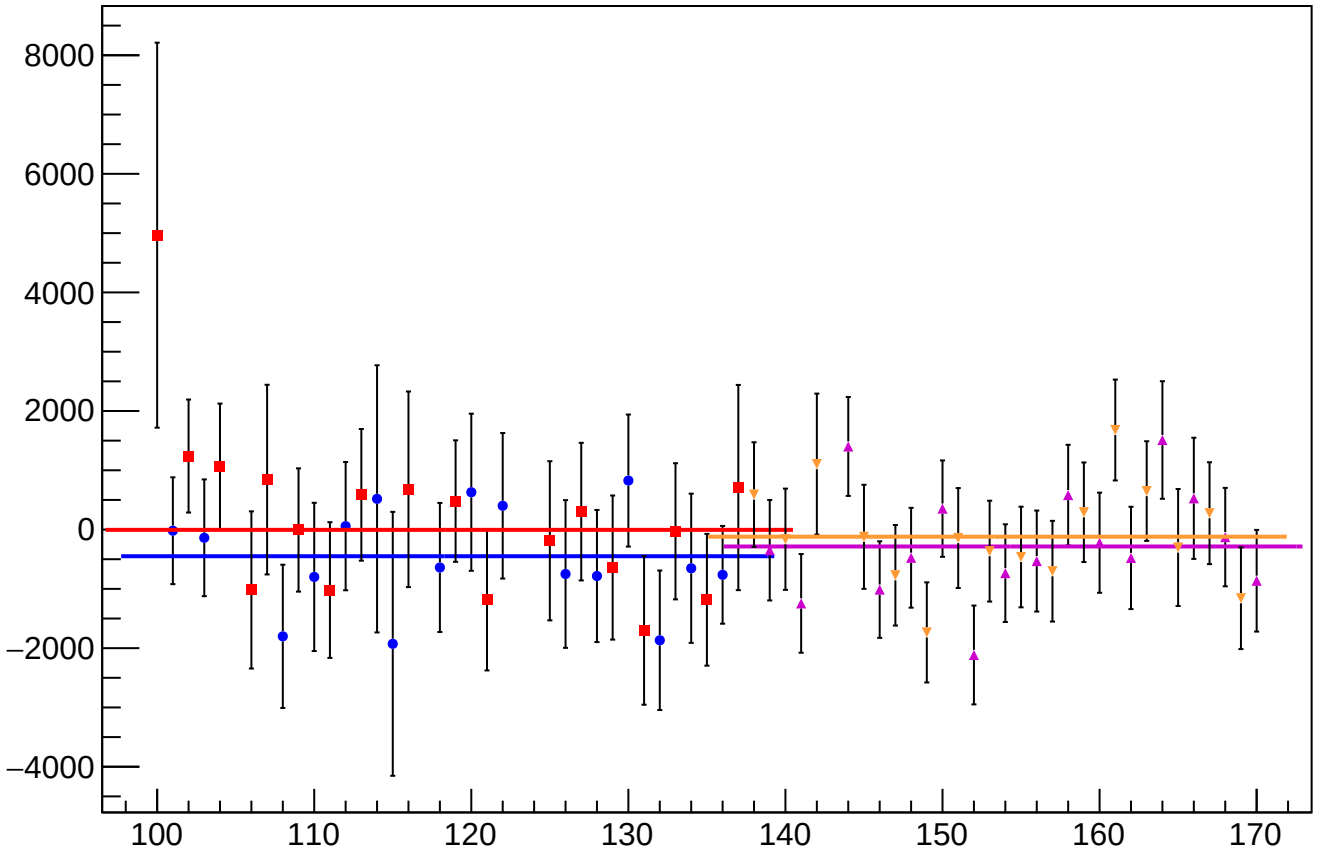
Left: 522.136+/-0.073 χ^2/NDF: 693640.7/31

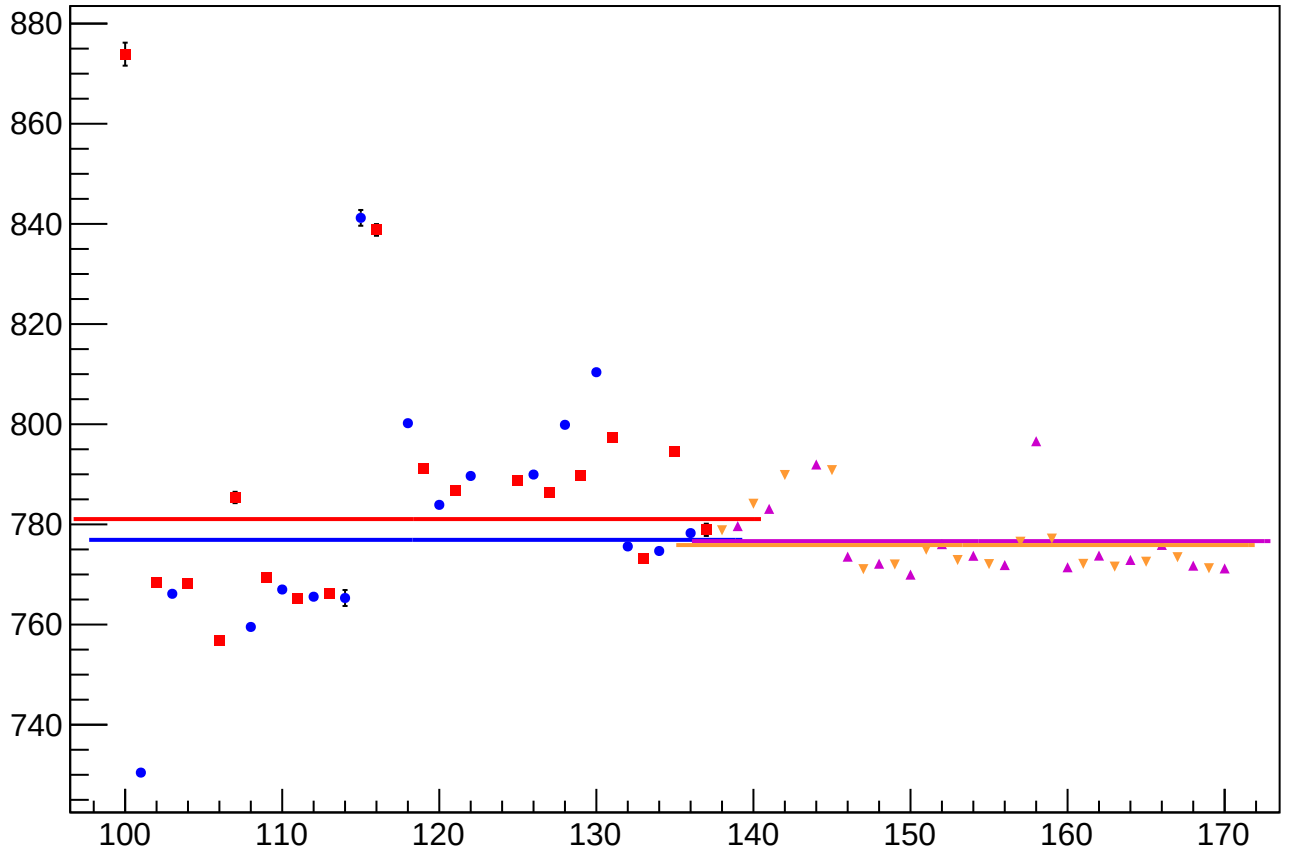
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

Out: 559.214+/-0.091 χ^2/NDF:2195101.3/33

All: 559.518+/-0.064 χ^2/NDF: 4149405.3/65


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -120.132+/-218.308 χ²/NDF:13.9/15
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -285.073+/-213.600 χ²/NDF:17.6/15
Left: -204.400+/-152.675 χ²/NDF: 31.8/31
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -343.224+/-171.705 χ²/NDF:24.6/31
Out: -77.955+/-173.934 χ²/NDF:25.9/33
All: -212.300+/-122.194 χ²/NDF: 51.6/65



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

Left Out: 775.874+/-0.154 χ^2/NDF:1435.6/15

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

Left In: 776.663+/-0.151 χ^2/NDF:2514.0/15

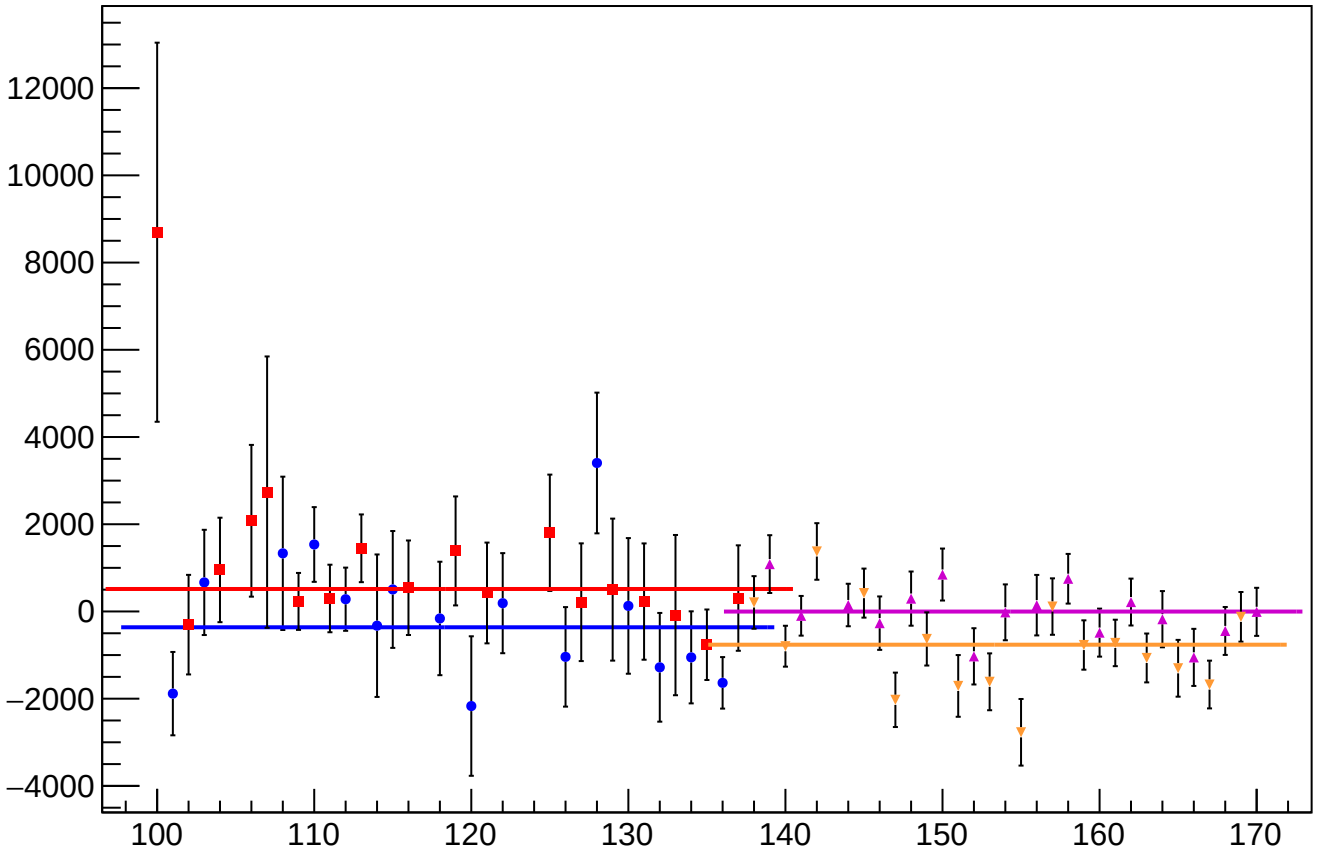
Left: 776.277+/-0.108 χ^2/NDF: 3963.0/31

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

In: 776.751+/-0.121 χ^2/NDF:14638.6/31

Out: 777.768+/-0.123 χ^2/NDF:9433.8/33

All: 777.253+/-0.086 χ^2/NDF: 24107.0/65



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

Left Out: -762.255+/-148.797 χ^2/NDF:39.3/15

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

Left In: -2.365+/-145.094 χ^2/NDF:13.9/15

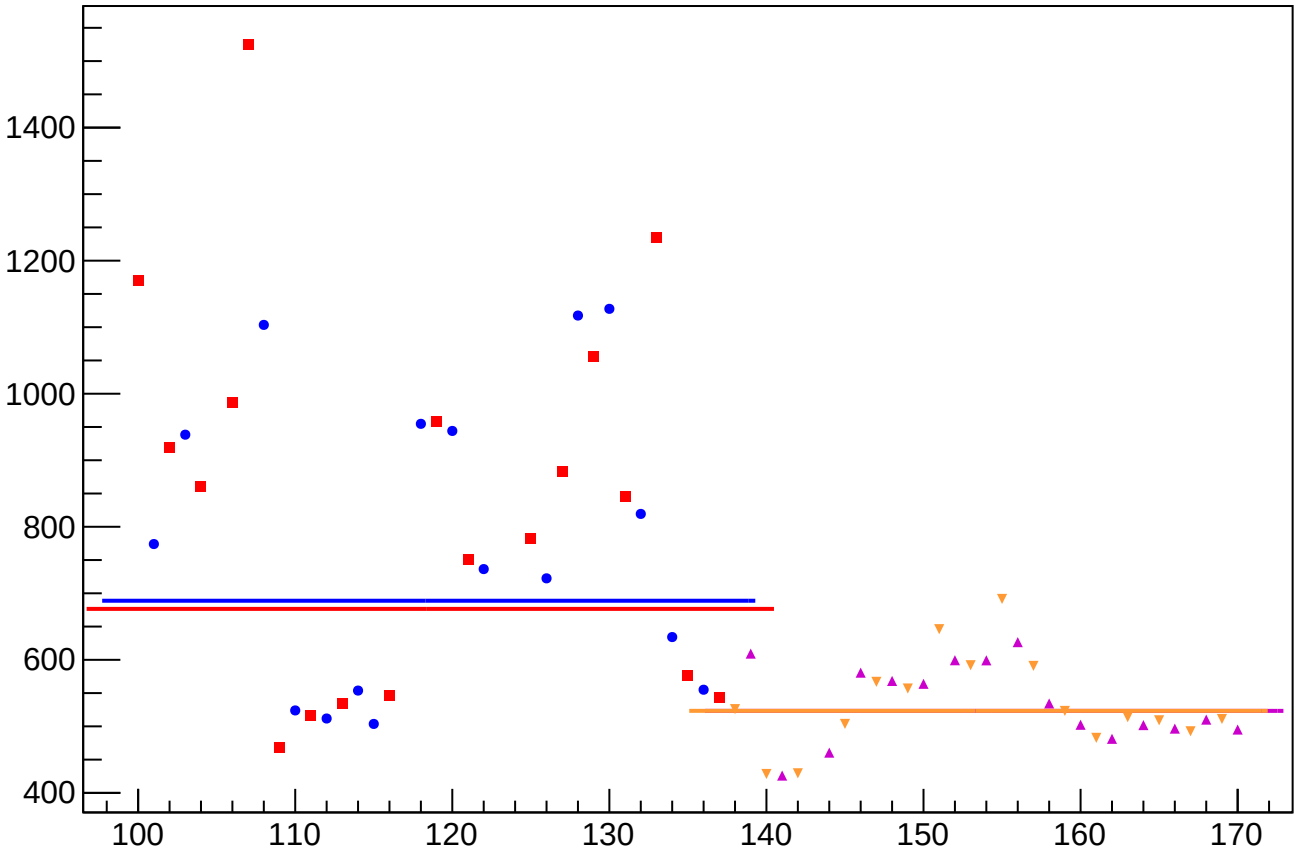
Left: -372.738+/-103.881 χ^2/NDF: 66.5/31

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

In: -84.500+/-127.495 χ^2/NDF:38.6/31

Out: -453.017+/-129.542 χ^2/NDF:68.5/33

All: -265.824+/-90.868 χ^2/NDF: 111.3/65



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

Left Out: 523.329+/-0.105 χ^2/NDF:363625.7/15

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

Left In: 523.270+/-0.103 χ^2/NDF:323790.3/15

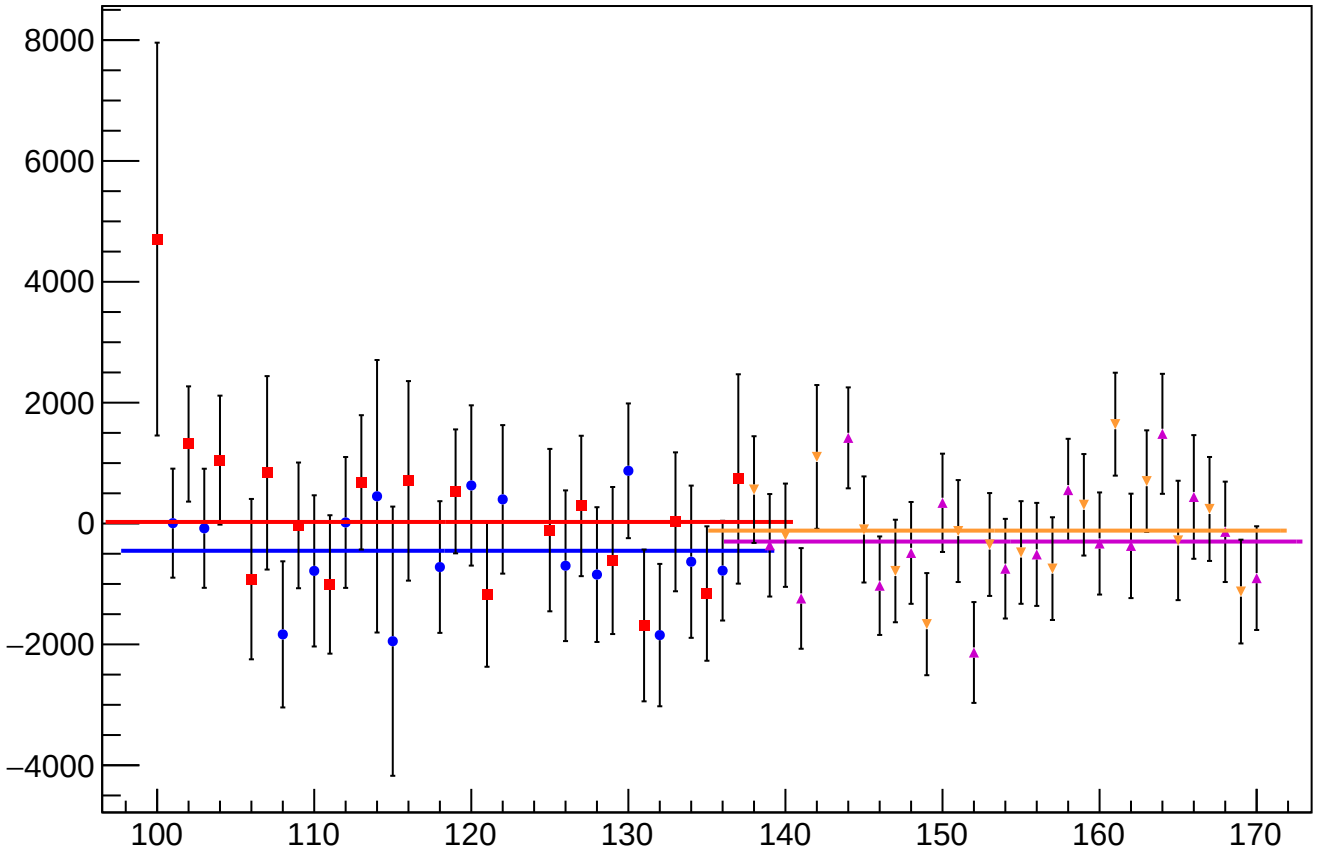
Left: 523.299+/-0.073 χ^2/NDF: 687416.2/31

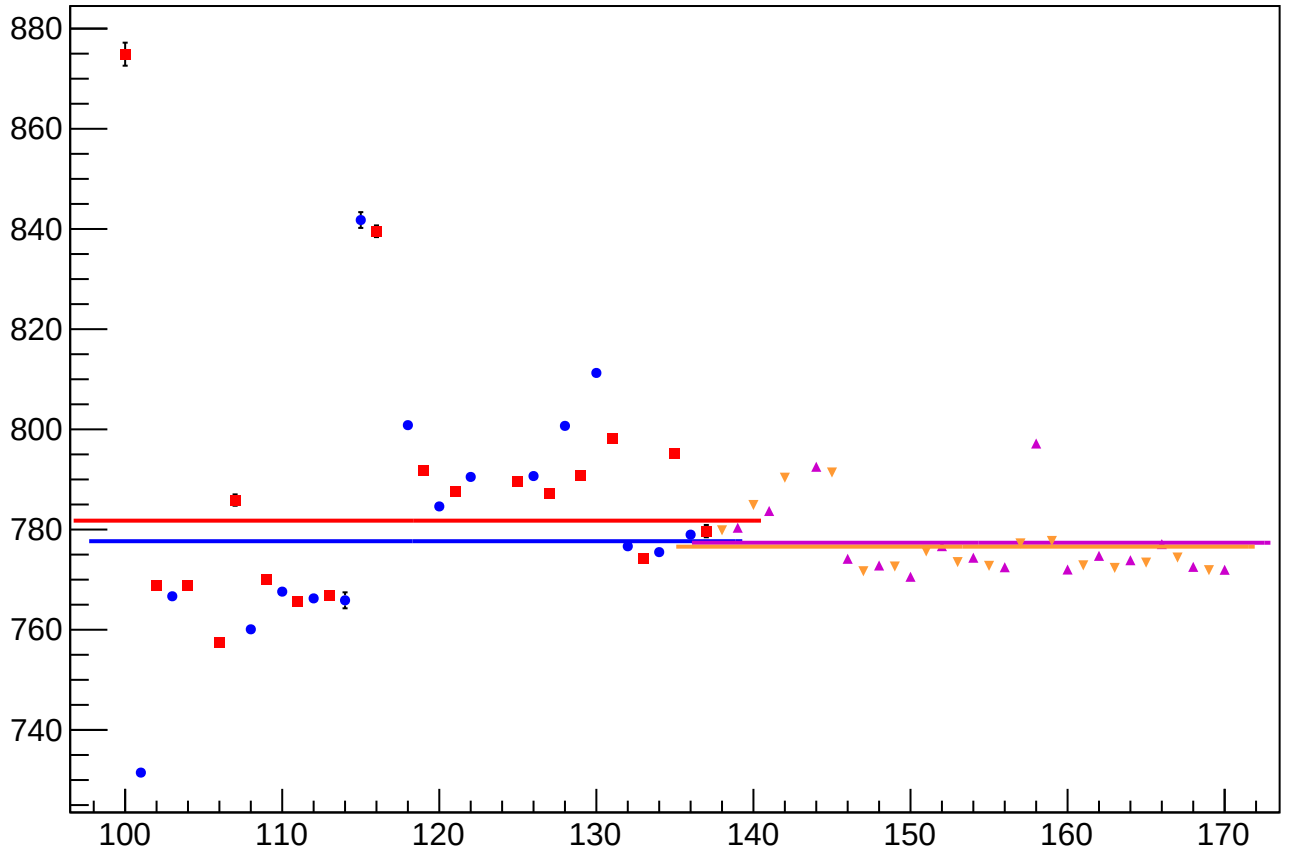
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 560.996+/-0.090 χ^2/NDF:1945273.9/31

Out: 560.423+/-0.092 χ^2/NDF:2185135.8/33

All: 560.714+/-0.064 χ^2/NDF: 4130429.6/65


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: -117.320+/-218.508 χ²/NDF:13.5/15
Right Out: 26.099+/-288.079 χ²/NDF: 11.7/17
Left In: -298.365+/-213.793 χ²/NDF:17.5/15
Left: -209.816+/-152.814 χ²/NDF: 31.3/31
Right: -211.707+/-204.010 χ²/NDF: 20.0/33
In: -352.346+/-171.864 χ²/NDF:24.6/31
Out: -64.942+/-174.093 χ²/NDF:25.3/33
All: -210.496+/-122.307 χ²/NDF: 51.3/65



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

Left Out: 776.584+/-0.155 χ^2/NDF:1420.9/15

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

Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

Left: 776.983+/-0.108 χ^2/NDF: 3915.3/31

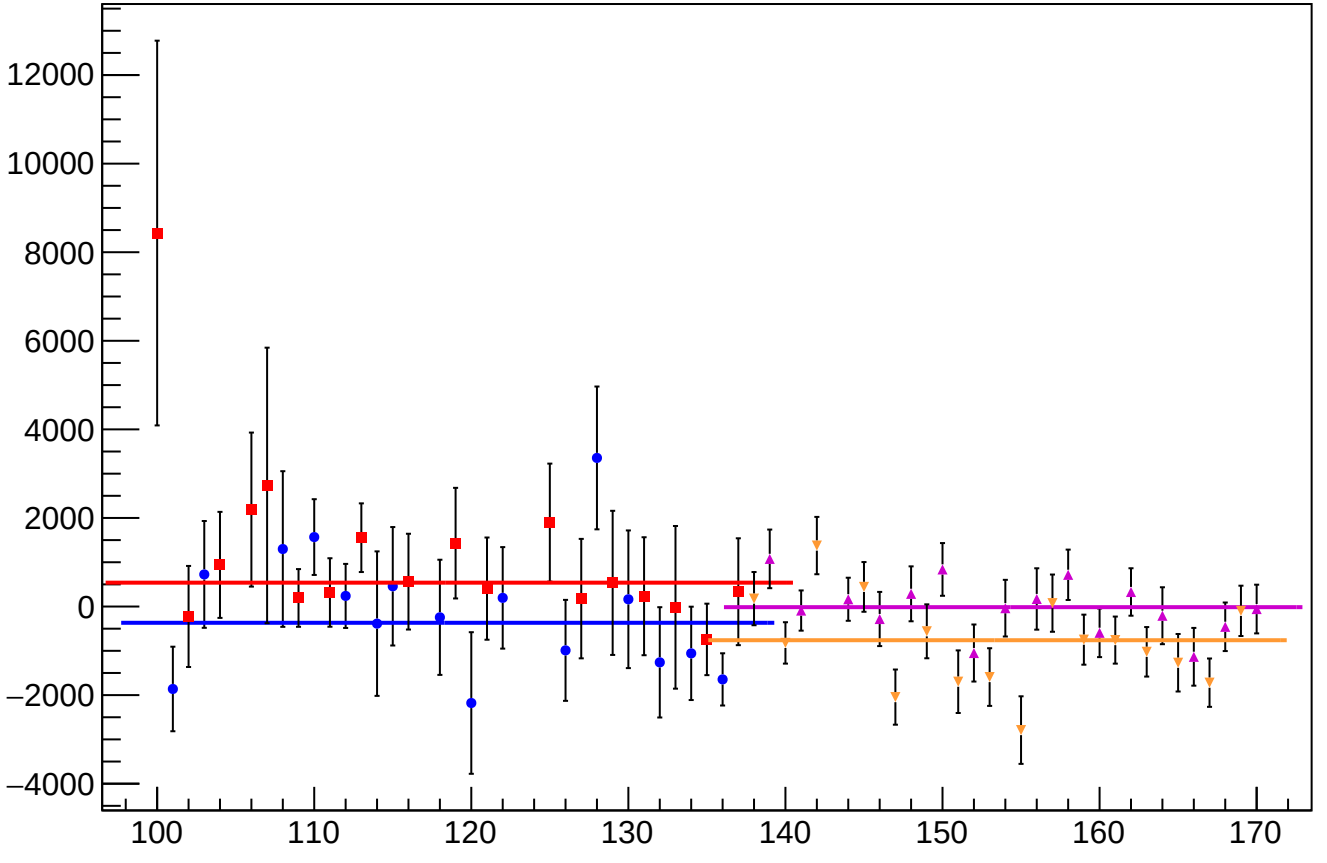
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

Out: 778.480+/-0.123 χ^2/NDF:9459.7/33

All: 777.971+/-0.086 χ^2/NDF: 24031.9/65

asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -760.592+/-148.476 χ^2/NDF:39.7/15

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

Left In: -14.183+/-144.785 χ^2/NDF:14.9/15

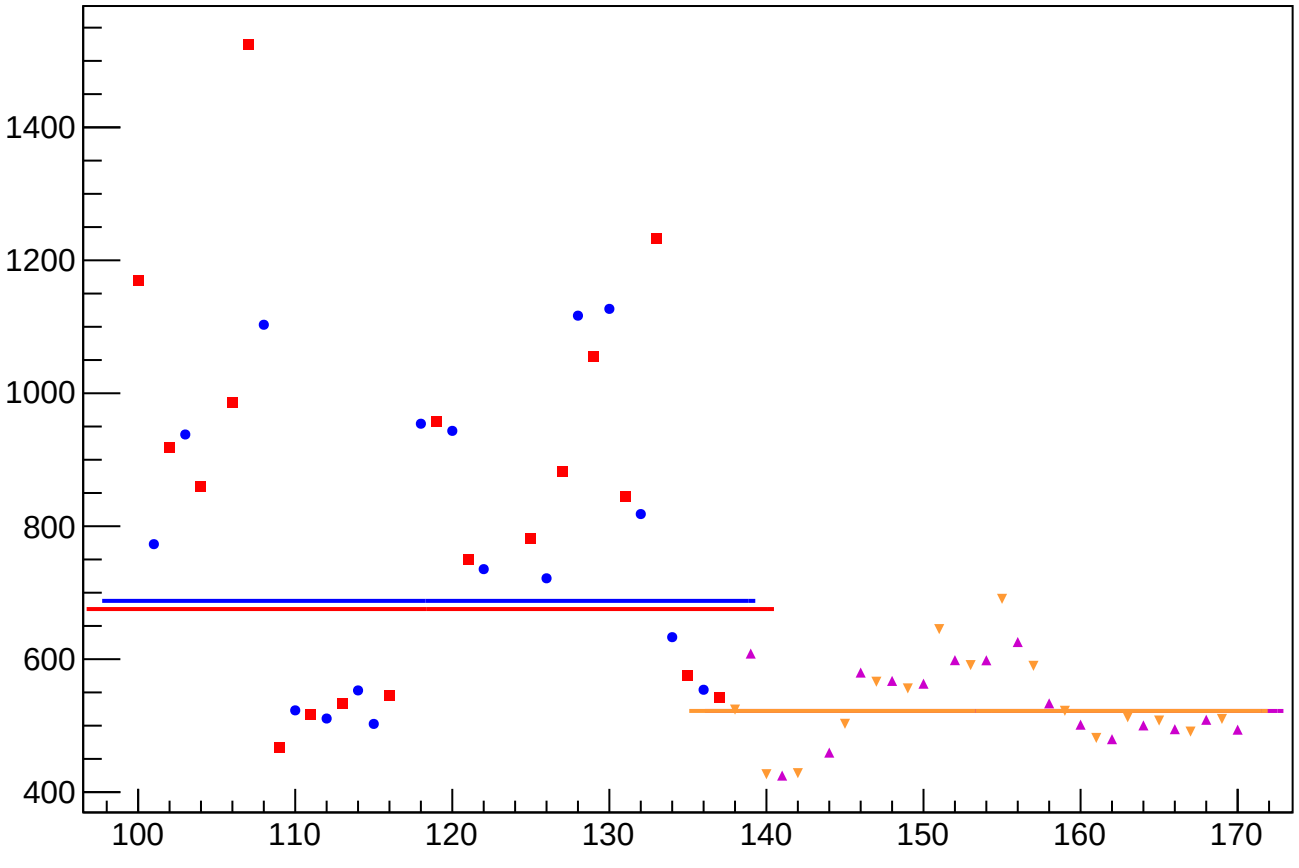
Left: -377.995+/-103.659 χ^2/NDF: 67.6/31

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

In: -94.497+/-127.244 χ^2/NDF:39.5/31

Out: -446.359+/-129.284 χ^2/NDF:69.9/33

All: -267.630+/-90.688 χ^2/NDF: 113.2/65



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

Left Out: 522.154+/-0.105 χ^2/NDF:366831.4/15

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

Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

Left: 522.136+/-0.073 χ^2/NDF: 693640.7/31

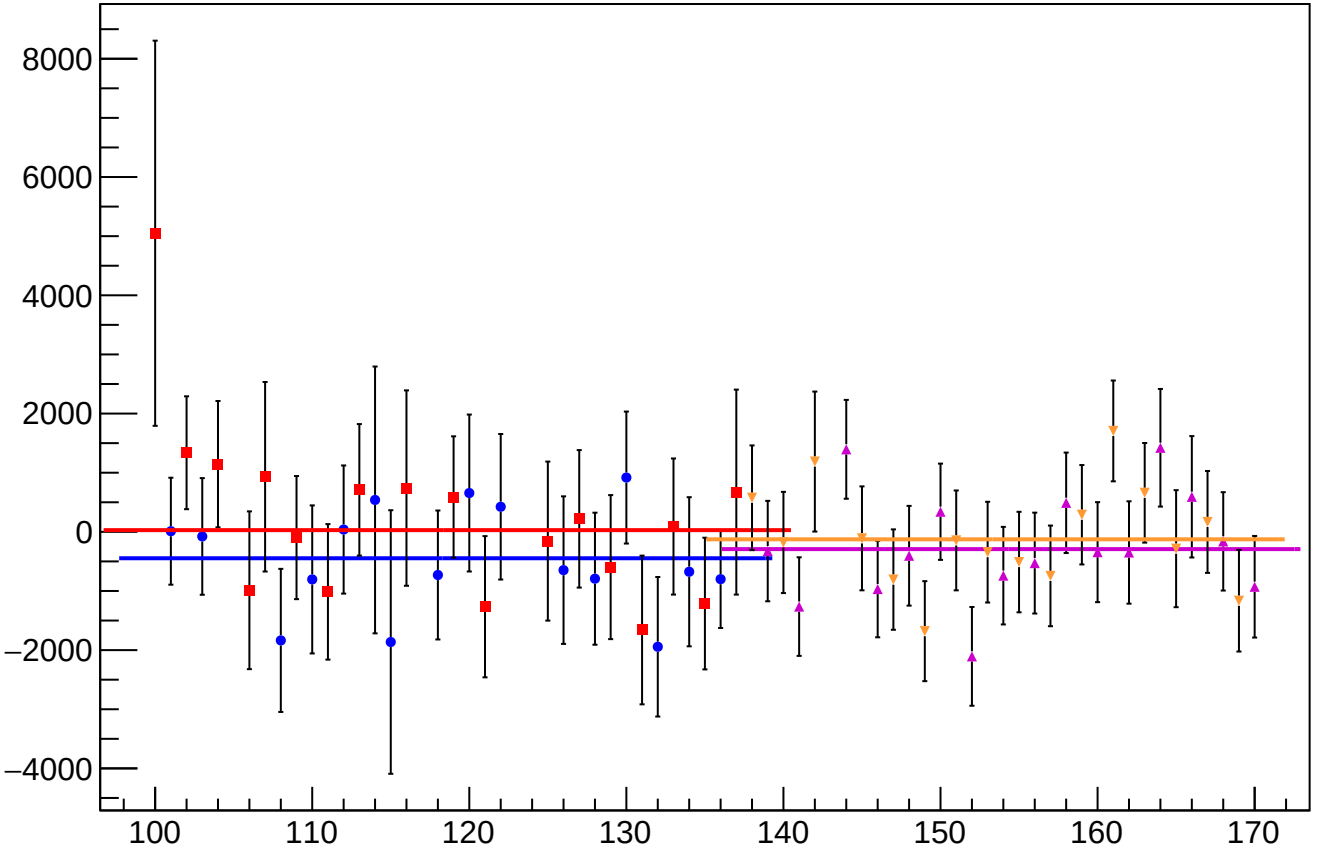
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

Out: 559.214+/-0.091 χ^2/NDF:2195101.3/33

All: 559.518+/-0.064 χ^2/NDF: 4149405.3/65

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -126.157+/-218.693 χ^2/NDF:14.0/15

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

Left In: -291.891+/-214.002 χ^2/NDF:17.0/15

Left: -210.821+/-152.954 χ^2/NDF: 31.3/31

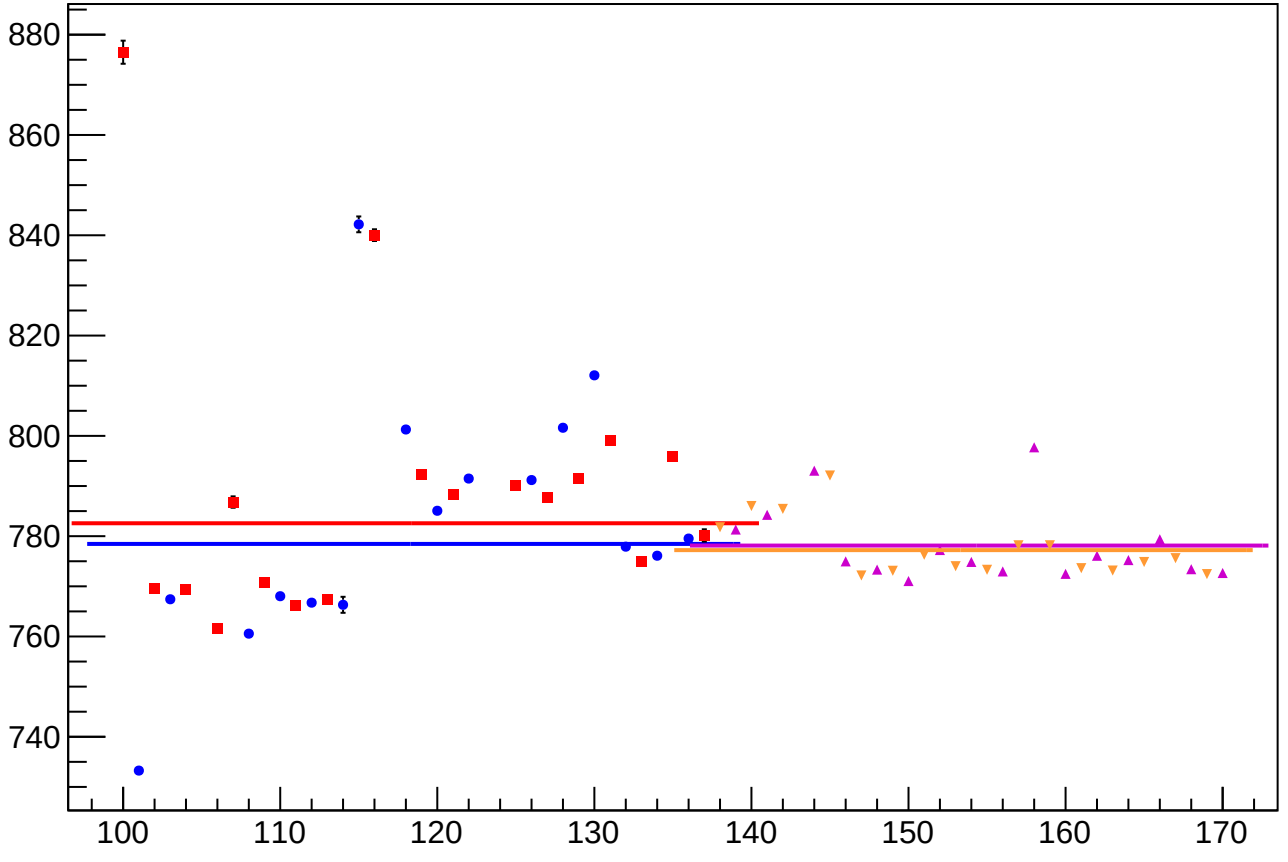
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -346.642+/-172.034 χ^2/NDF:24.5/31

Out: -69.582+/-174.252 χ^2/NDF:26.8/33

All: -209.887+/-122.423 χ^2/NDF: 52.6/65

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.219+/-0.155 χ^2/NDF:1293.9/15

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

Left In: 778.127+/-0.151 χ^2/NDF:2456.9/15

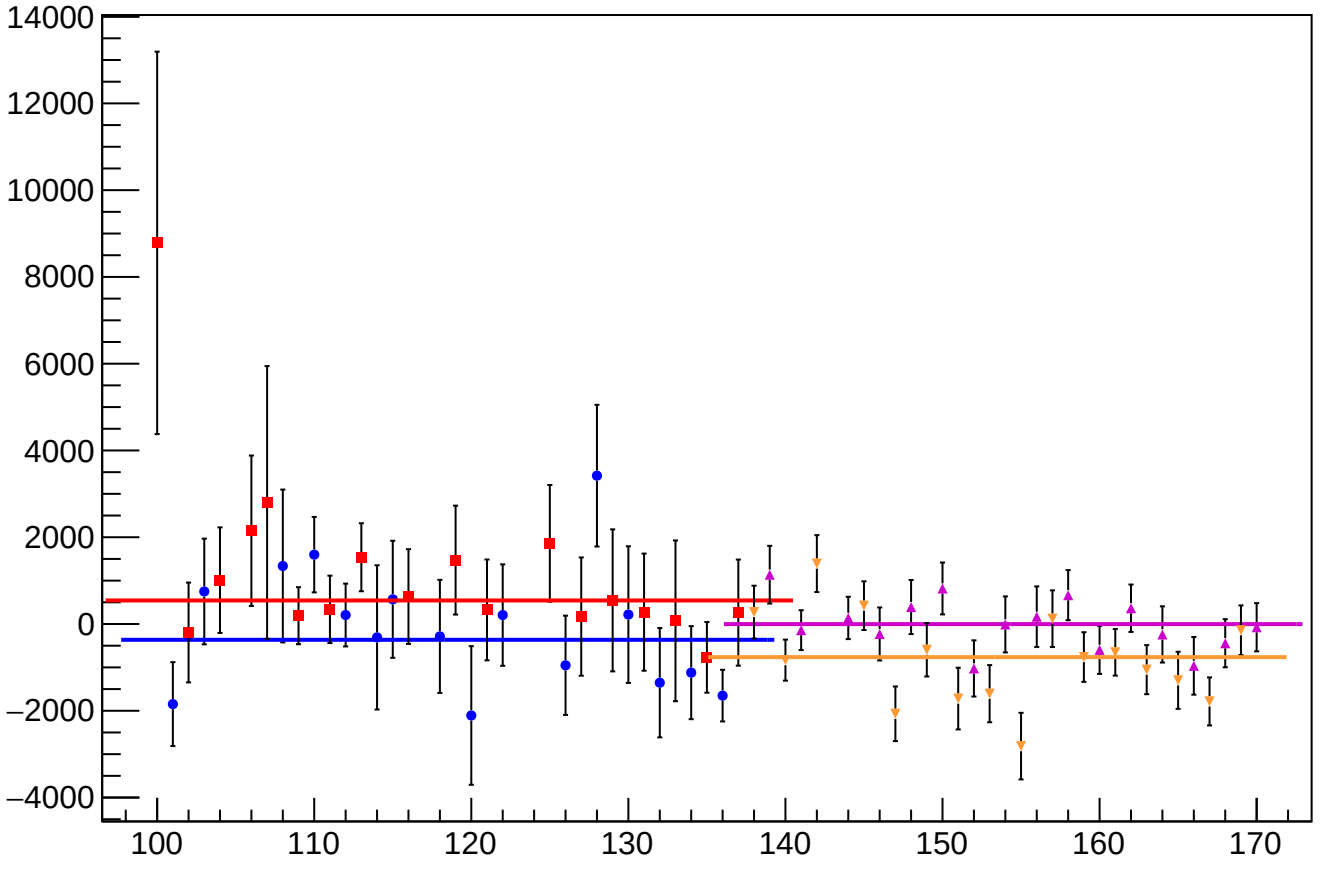
Left: 777.683+/-0.108 χ^2/NDF: 3768.4/31

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

In: 778.243+/-0.122 χ^2/NDF:14253.8/31

Out: 779.175+/-0.123 χ^2/NDF:9213.4/33

All: 778.703+/-0.087 χ^2/NDF: 23496.1/65



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

Left Out: -763.777+/-149.995 χ^2/NDF:40.5/15

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

Left In: -2.400+/-146.122 χ^2/NDF:13.9/15

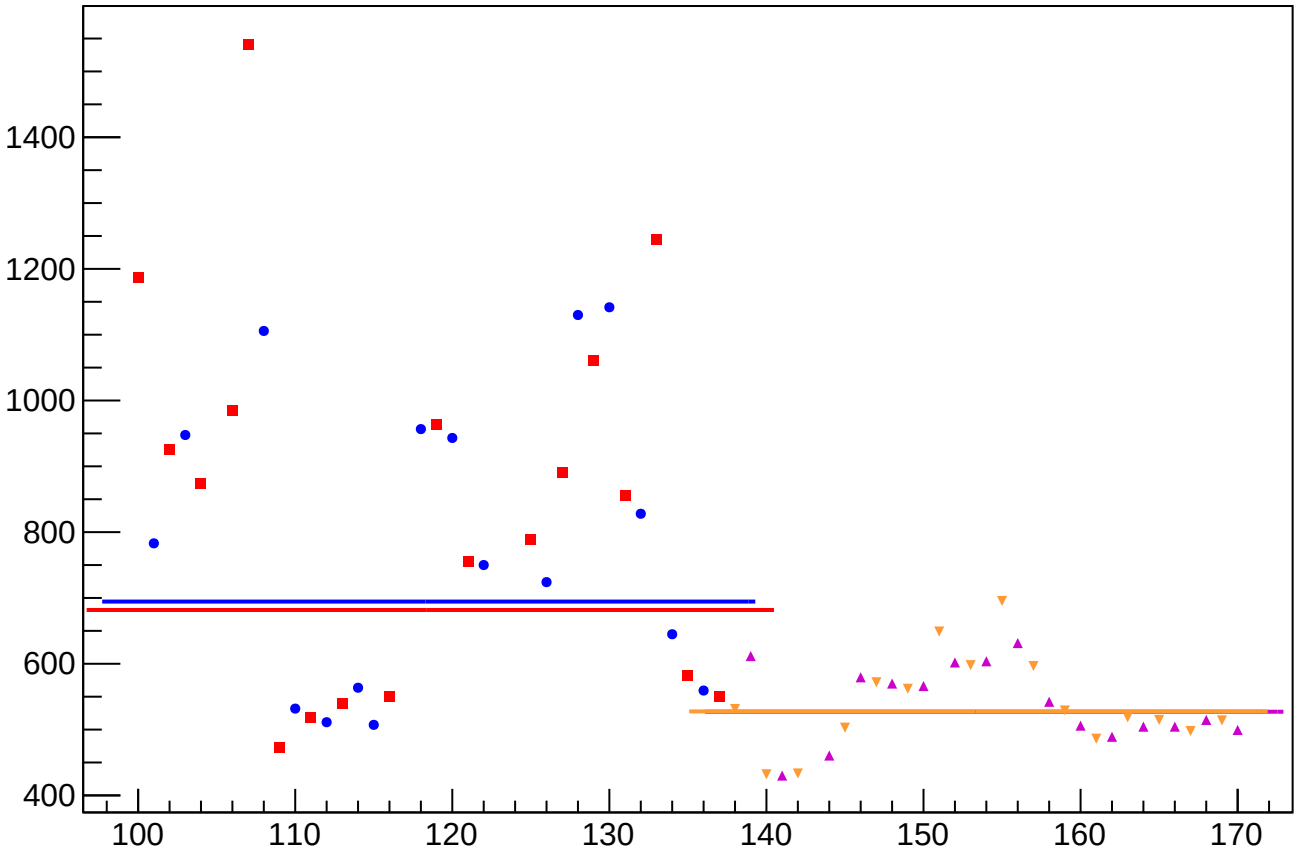
Left: -373.132+/-104.666 χ^2/NDF: 67.6/31

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

In: -84.634+/-128.435 χ^2/NDF:38.6/31

Out: -447.223+/-130.568 χ^2/NDF:70.7/33

All: -262.943+/-91.562 χ^2/NDF: 113.2/65



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

Left Out: 527.593+/-0.106 χ^2/NDF:361962.4/15

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

Left In: 527.134+/-0.103 χ^2/NDF:315833.2/15

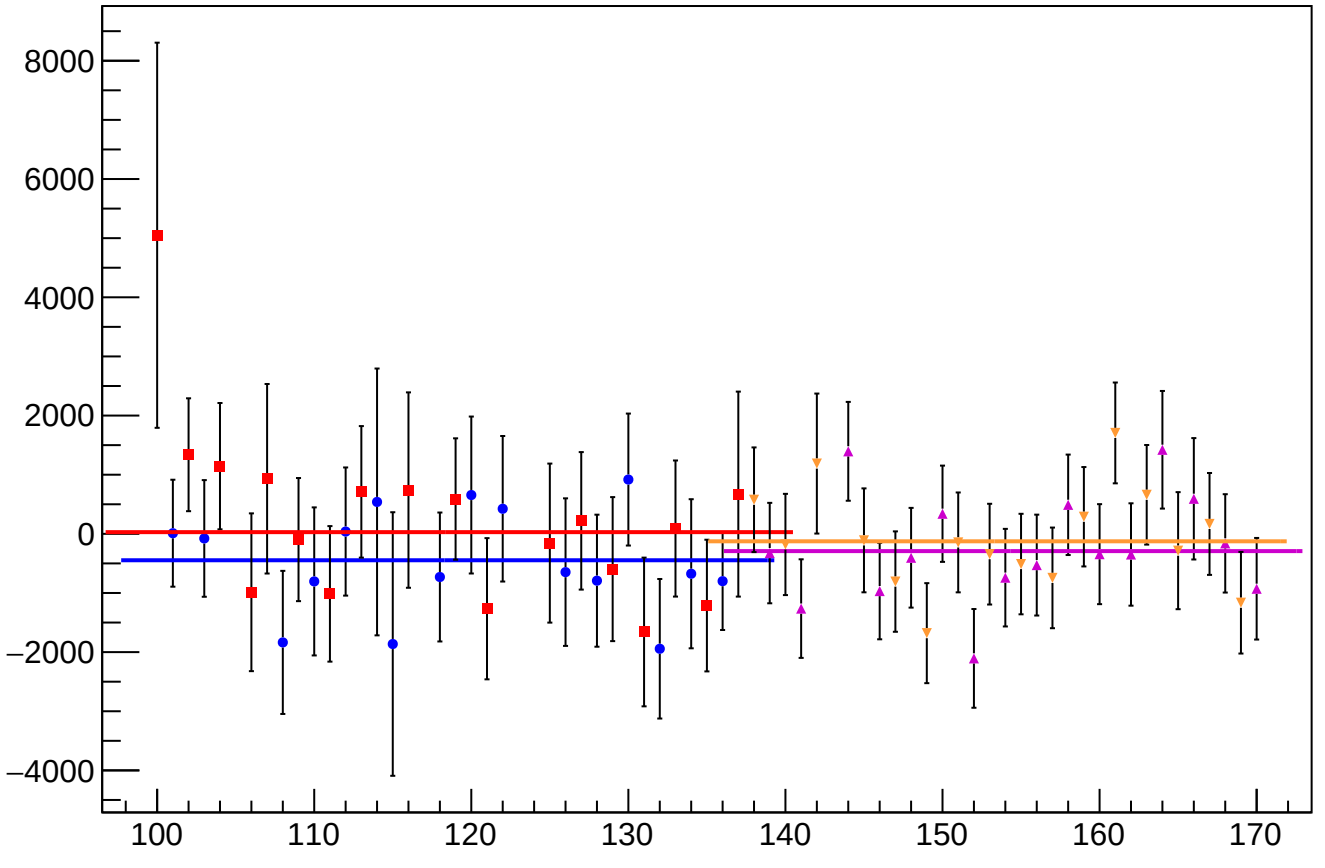
Left: 527.357+/-0.074 χ^2/NDF: 677805.2/31

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

In: 565.203+/-0.091 χ^2/NDF:1942612.5/31

Out: 564.938+/-0.092 χ^2/NDF:2185027.5/33

All: 565.073+/-0.065 χ^2/NDF: 4127644.2/65



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

Left Out: -126.158+/-218.693 χ^2/NDF:14.0/15

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

Left In: -291.890+/-214.002 χ^2/NDF:17.0/15

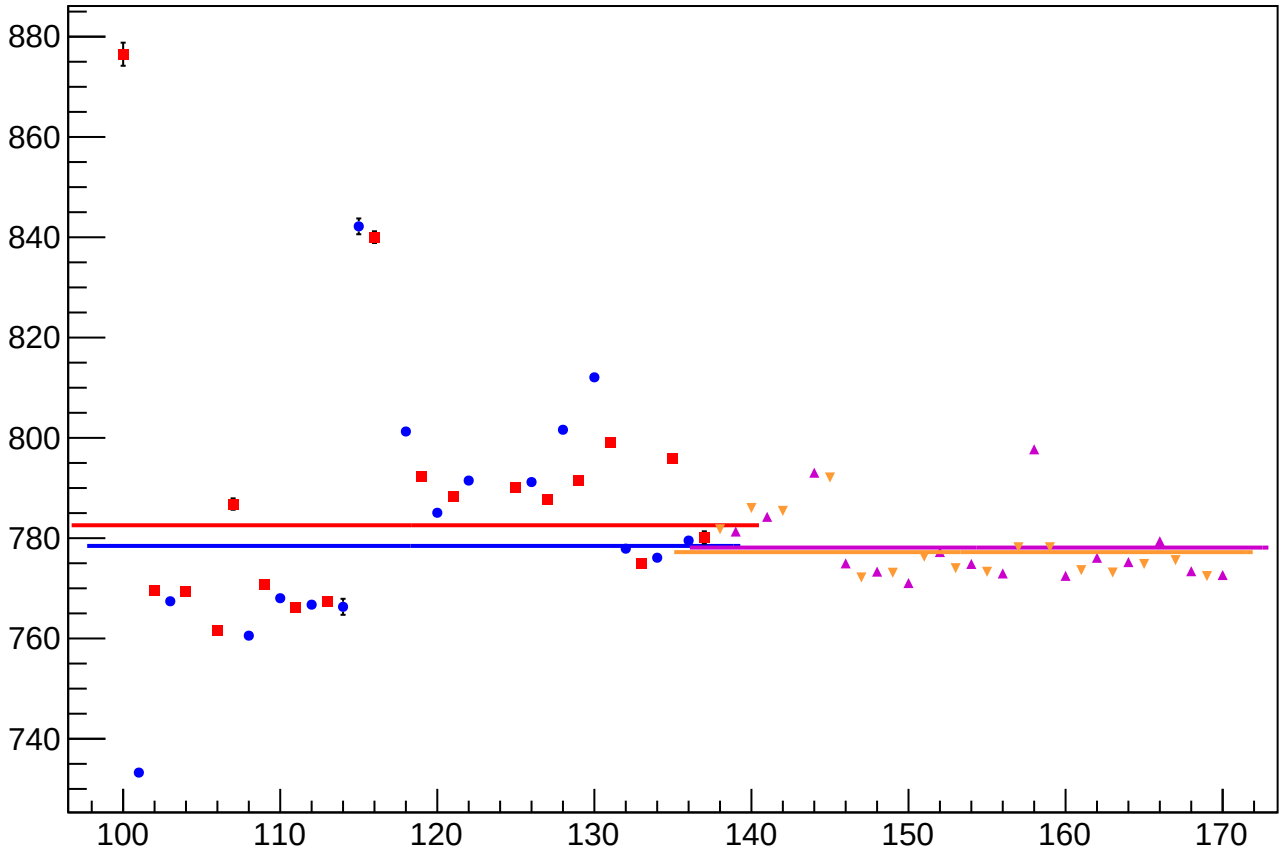
Left: -210.821+/-152.954 χ^2/NDF: 31.3/31

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

In: -346.642+/-172.034 χ^2/NDF:24.5/31

Out: -69.584+/-174.252 χ^2/NDF:26.8/33

All: -209.888+/-122.423 χ^2/NDF: 52.6/65



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

Left Out: 777.219+/-0.155 χ^2/NDF:1293.9/15

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

Left In: 778.127+/-0.151 χ^2/NDF:2456.9/15

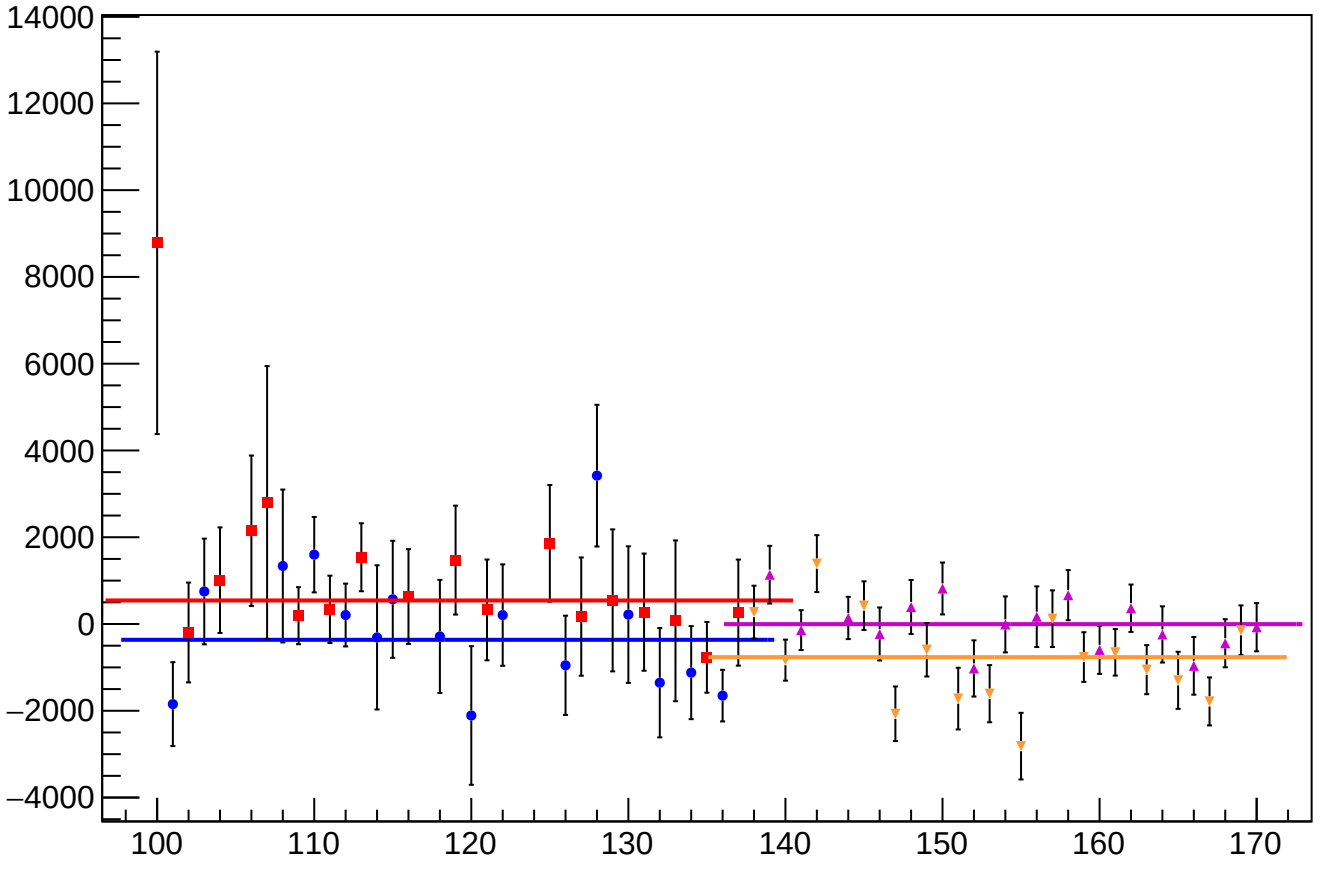
Left: 777.683+/-0.108 χ^2/NDF: 3768.4/31

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

In: 778.243+/-0.122 χ^2/NDF:14253.7/31

Out: 779.175+/-0.123 χ^2/NDF:9213.3/33

All: 778.703+/-0.087 χ^2/NDF: 23496.0/65



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

Left Out: -763.777+/-149.995 χ^2/NDF:40.5/15

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

Left In: -2.401+/-146.122 χ^2/NDF:13.9/15

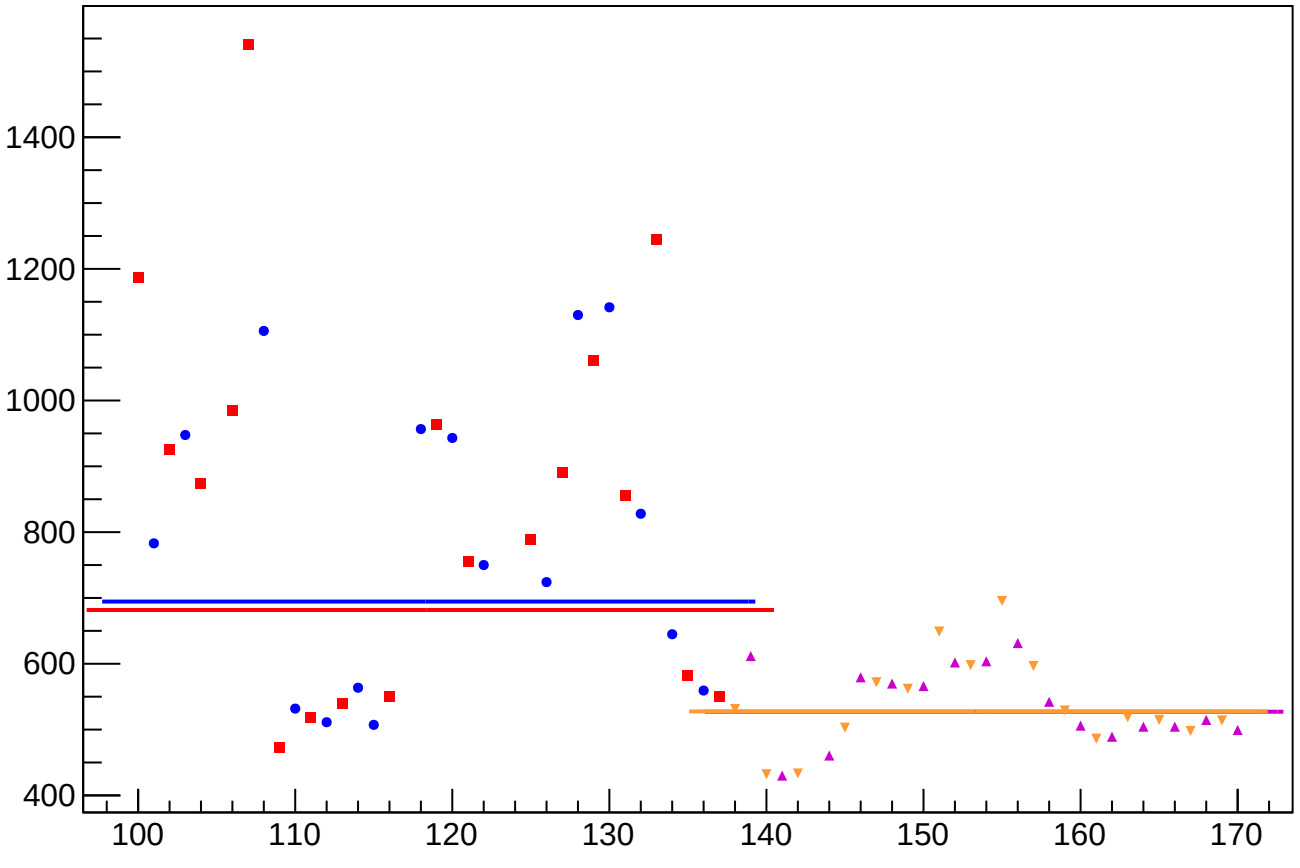
Left: -373.132+/-104.666 χ^2/NDF: 67.6/31

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

In: -84.634+/-128.435 χ^2/NDF:38.6/31

Out: -447.221+/-130.568 χ^2/NDF:70.7/33

All: -262.942+/-91.562 χ^2/NDF: 113.2/65



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

Left Out: 527.593+/-0.106 χ^2/NDF:361974.9/15

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

Left In: 527.134+/-0.103 χ^2/NDF:315846.0/15

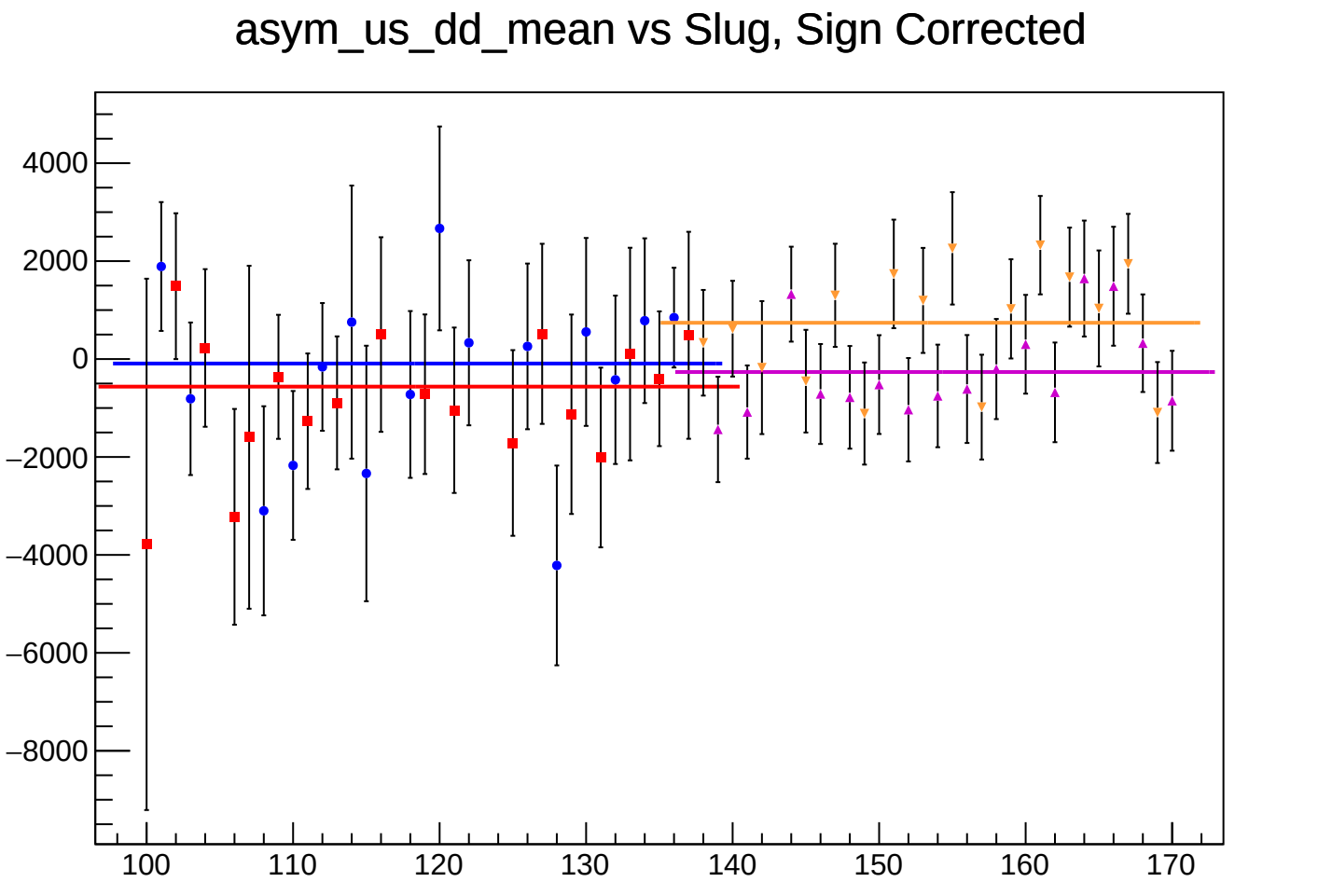
Left: 527.357+/-0.074 χ^2/NDF: 677830.5/31

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

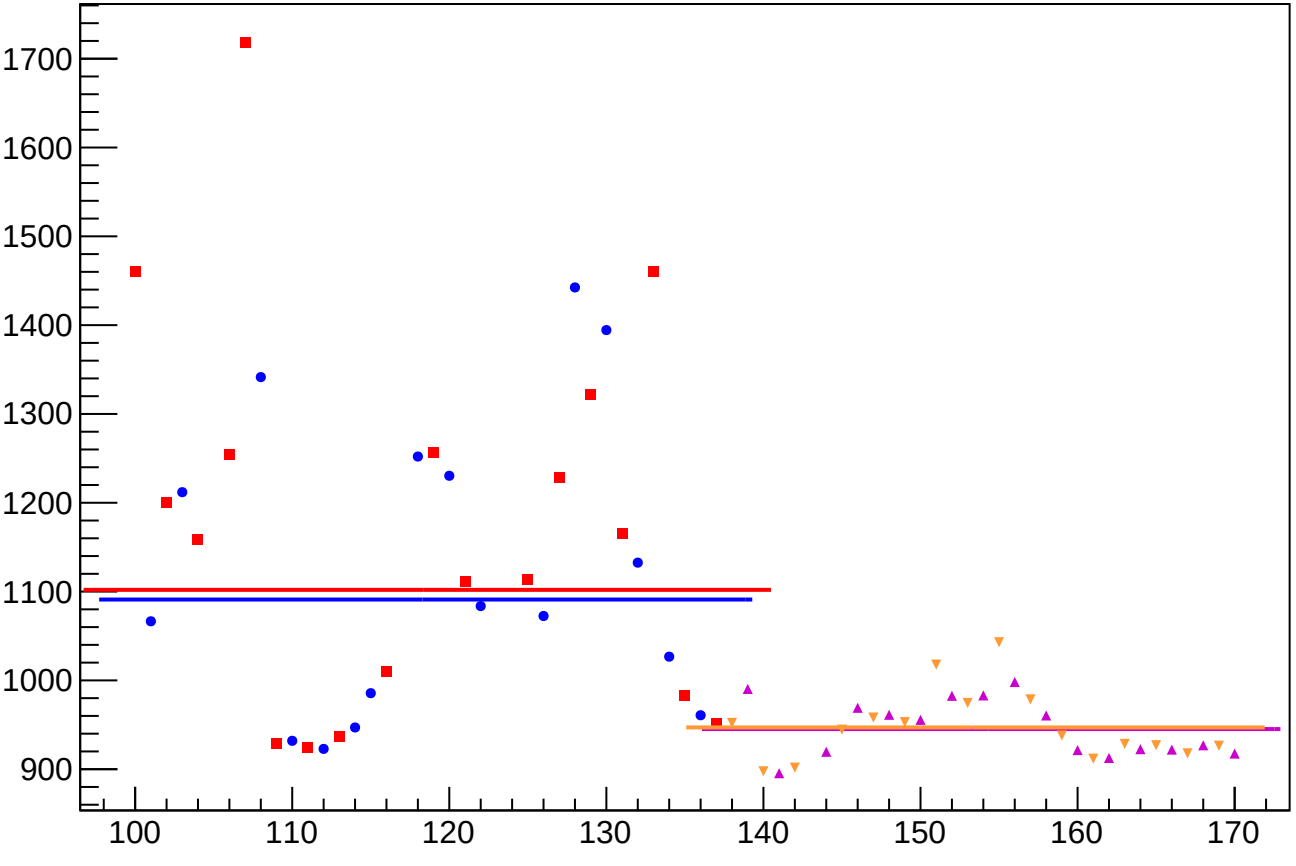
In: 565.202+/-0.091 χ^2/NDF:1942615.7/31

Out: 564.938+/-0.092 χ^2/NDF:2185041.3/33

All: 565.072+/-0.065 χ^2/NDF: 4127661.2/65


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 740.700+/-266.756 χ²/NDF:18.7/15
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -265.116+/-260.140 χ²/NDF:11.8/15
Left: 225.164+/-186.242 χ²/NDF: 37.8/31
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -215.220+/-219.650 χ²/NDF:26.5/31
Out: 354.948+/-223.849 χ²/NDF:32.3/33
All: 64.466+/-156.779 χ²/NDF: 62.1/65

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 947.026+/-0.189 χ^2/NDF:39156.2/15

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

Left In: 945.202+/-0.184 χ^2/NDF:29090.4/15

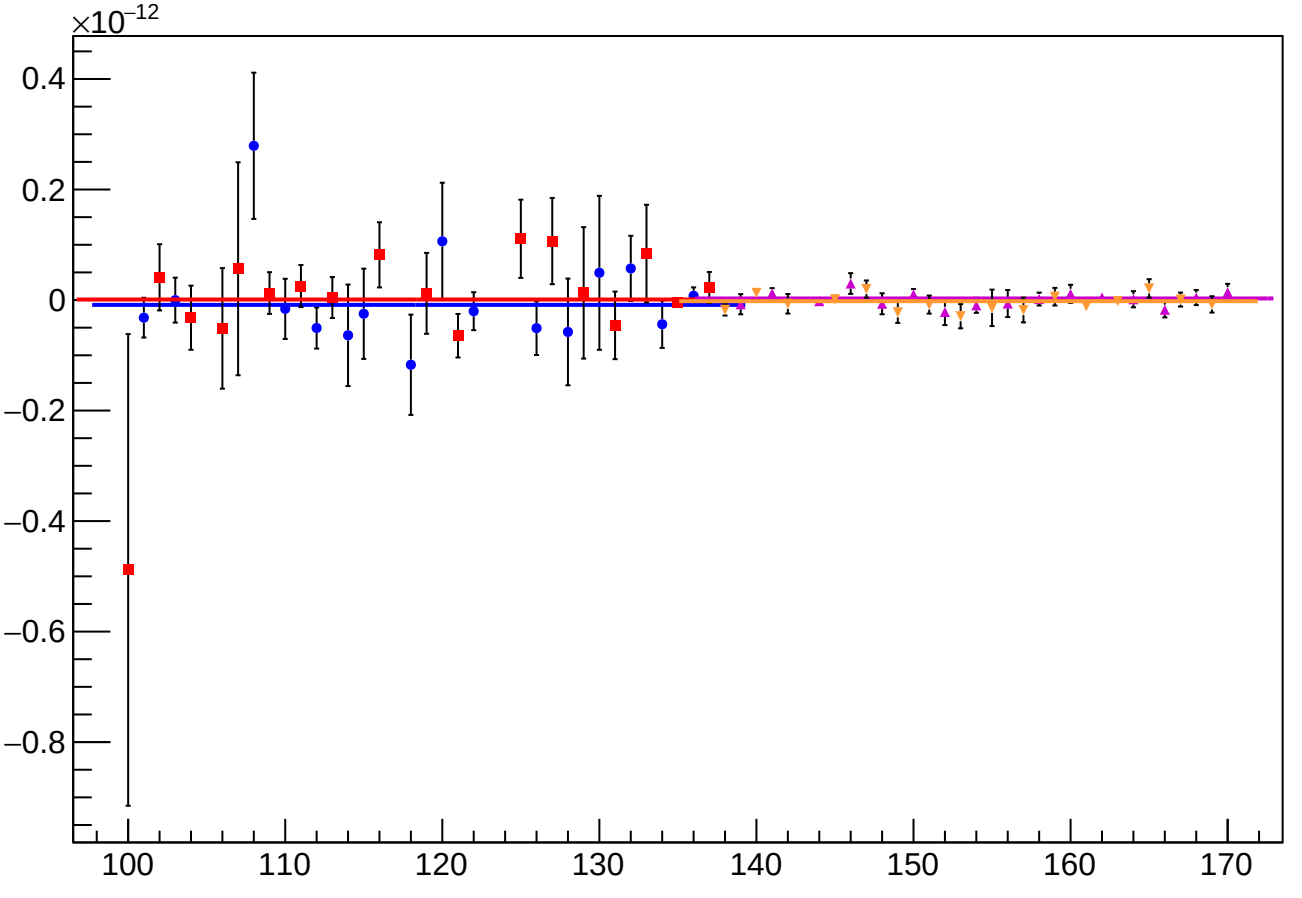
Left: 946.091+/-0.132 χ^2/NDF: 68294.6/31

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

In: 987.068+/-0.155 χ^2/NDF:486842.8/31

Out: 992.857+/-0.158 χ^2/NDF:566830.3/33

All: 989.908+/-0.111 χ^2/NDF: 1054354.8/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/15

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

Left In: 0.000+/-0.000 χ^2/NDF:9.7/15

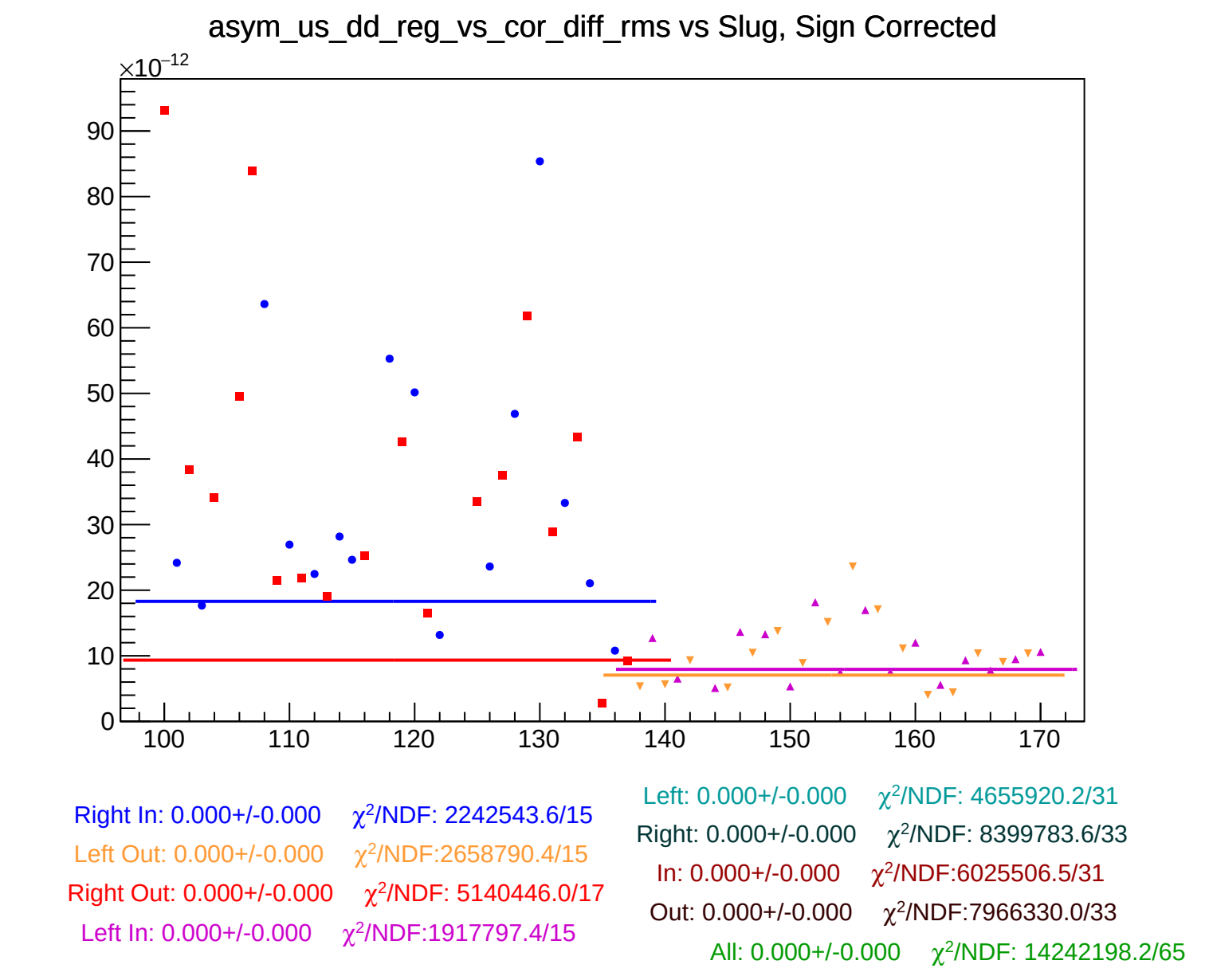
Left: 0.000+/-0.000 χ^2/NDF: 26.5/31

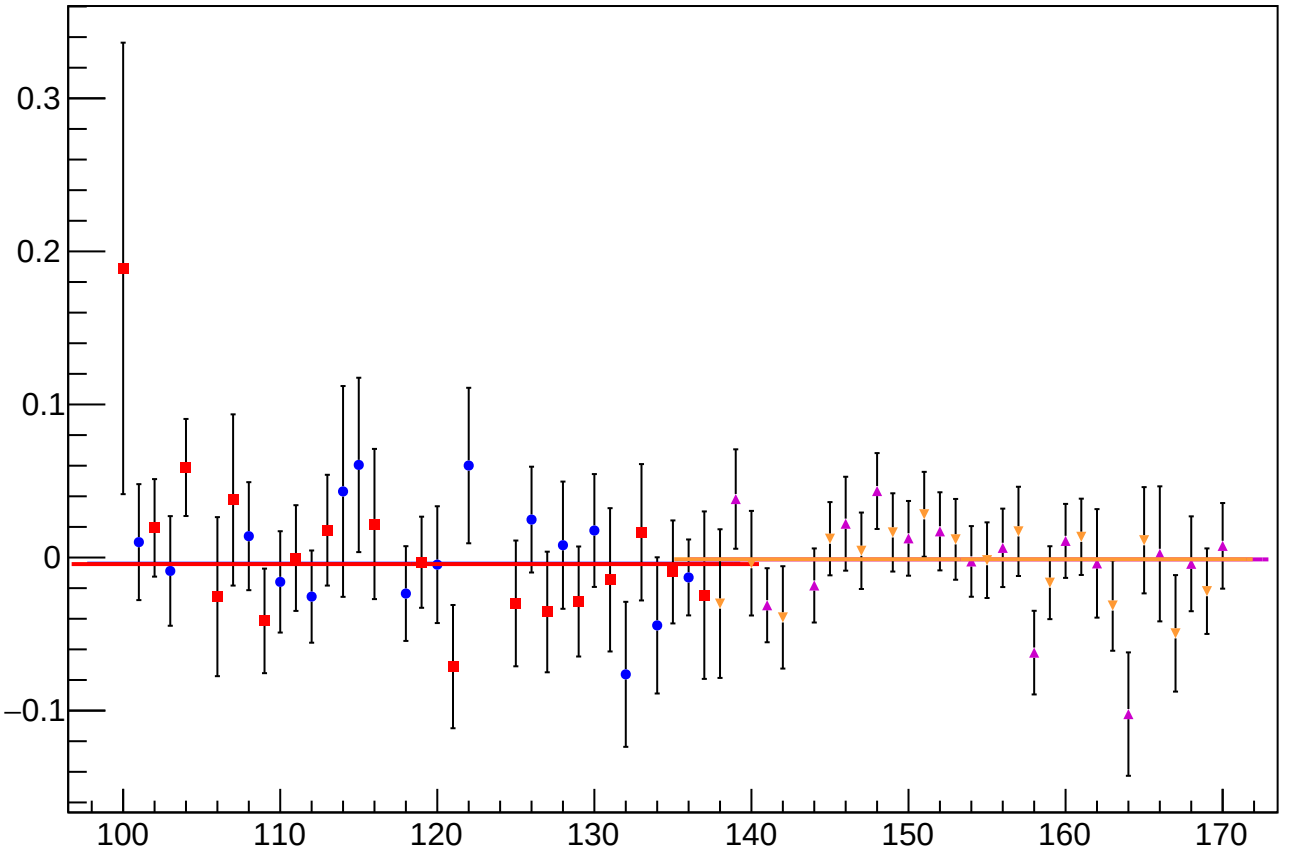
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:24.7/31

Out: -0.000+/-0.000 χ^2/NDF:30.0/33

All: -0.000+/-0.000 χ^2/NDF: 55.4/65


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:2658790.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1917797.4/15
Left: 0.000+/-0.000 χ²/NDF: 4655920.2/31
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6025506.5/31
Out: 0.000+/-0.000 χ²/NDF:7966330.0/33
All: 0.000+/-0.000 χ²/NDF: 14242198.2/65



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

Left Out: -0.001+/-0.007 χ^2/NDF:8.4/15

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

Left In: -0.001+/-0.007 χ^2/NDF:19.9/15

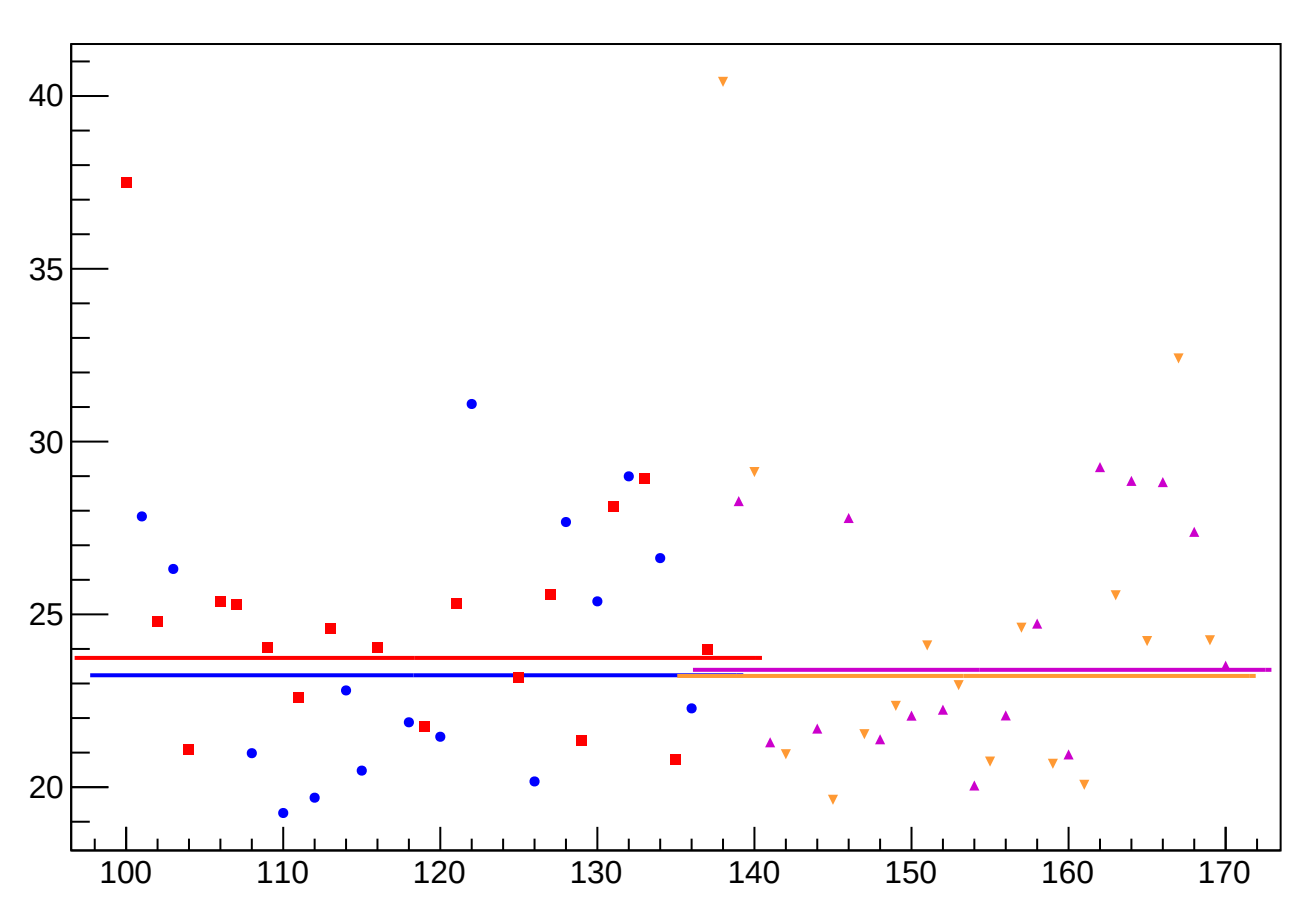
Left: -0.001+/-0.005 χ^2/NDF: 28.2/31

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

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.002+/-0.006 χ^2/NDF:21.9/33

All: -0.002+/-0.004 χ^2/NDF: 51.1/65



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

Left Out: 23.219+/-0.005 χ^2/NDF:590876.9/15

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

Left In: 23.396+/-0.005 χ^2/NDF:362013.8/15

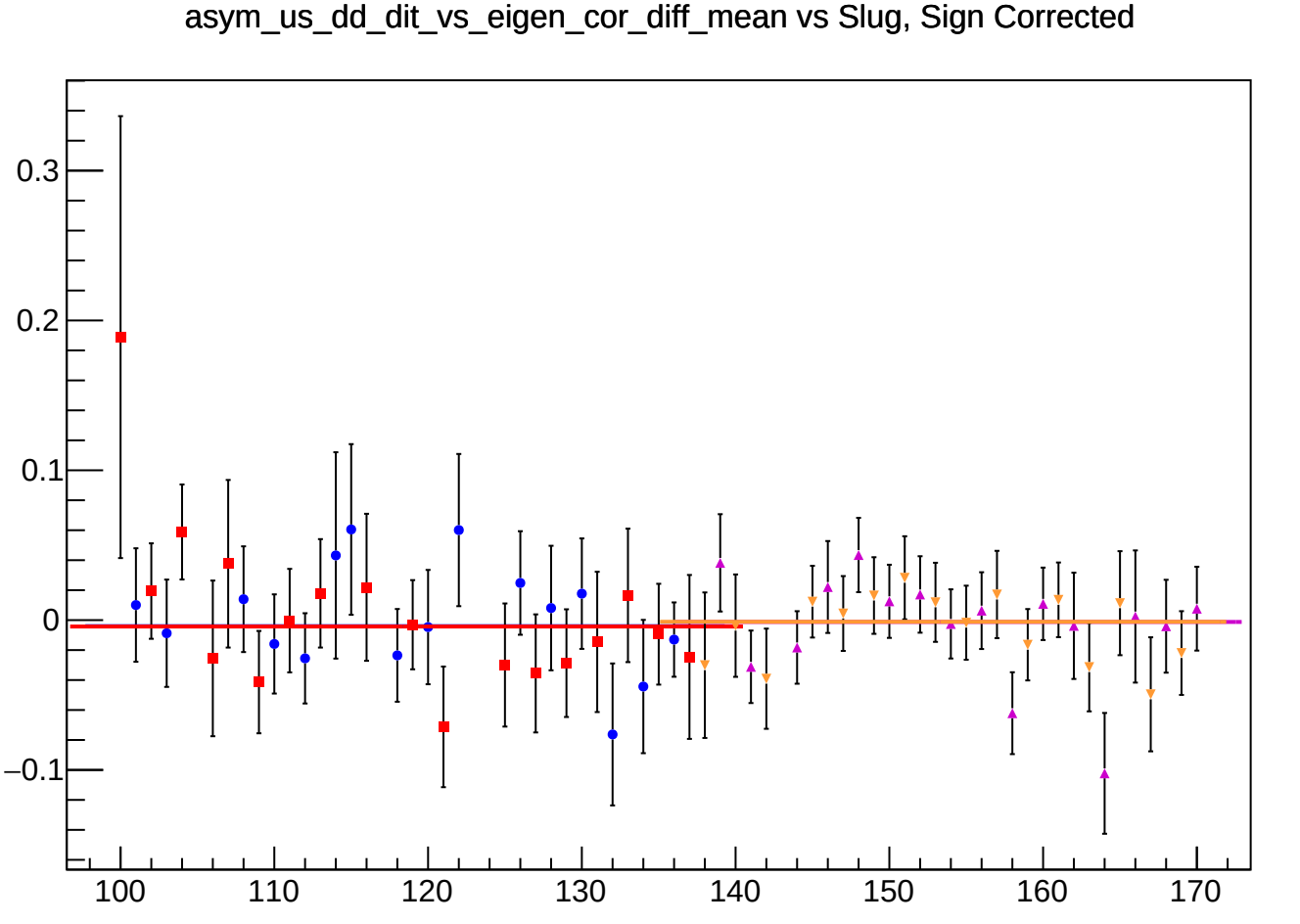
Left: 23.309+/-0.003 χ^2/NDF: 953530.7/31

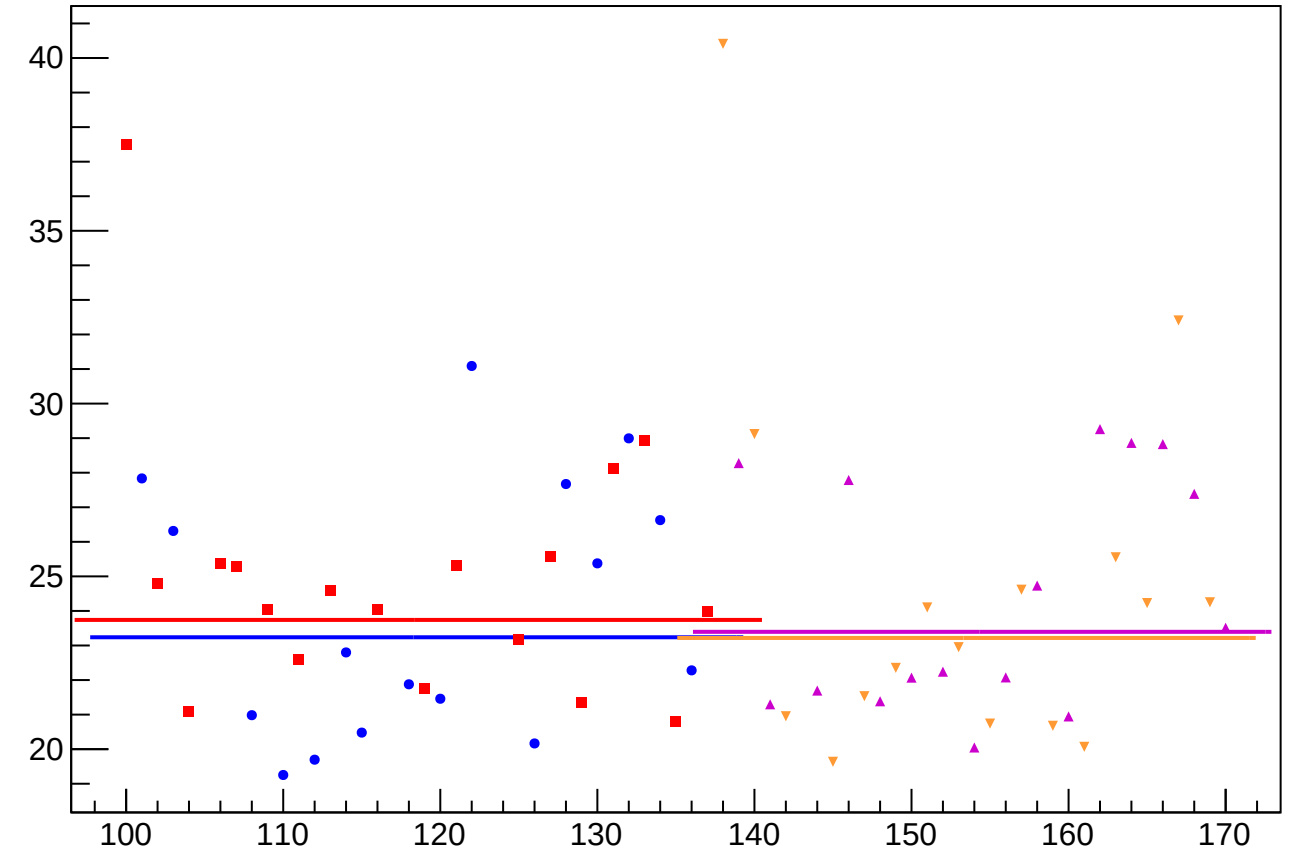
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.339+/-0.004 χ^2/NDF:621621.4/31

Out: 23.410+/-0.004 χ^2/NDF:721035.2/33

All: 23.374+/-0.003 χ^2/NDF: 1342815.9/65


asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
170
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: -0.001+/-0.007 χ²/NDF:8.4/15
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.001+/-0.007 χ²/NDF:19.9/15
Left: -0.001+/-0.005 χ²/NDF: 28.2/31
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.002+/-0.006 χ²/NDF:29.1/31
Out: -0.002+/-0.006 χ²/NDF:21.9/33
All: -0.002+/-0.004 χ²/NDF: 51.1/65



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

Left Out: 23.219+/-0.005 χ^2/NDF:590876.9/15

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

Left In: 23.396+/-0.005 χ^2/NDF:362013.8/15

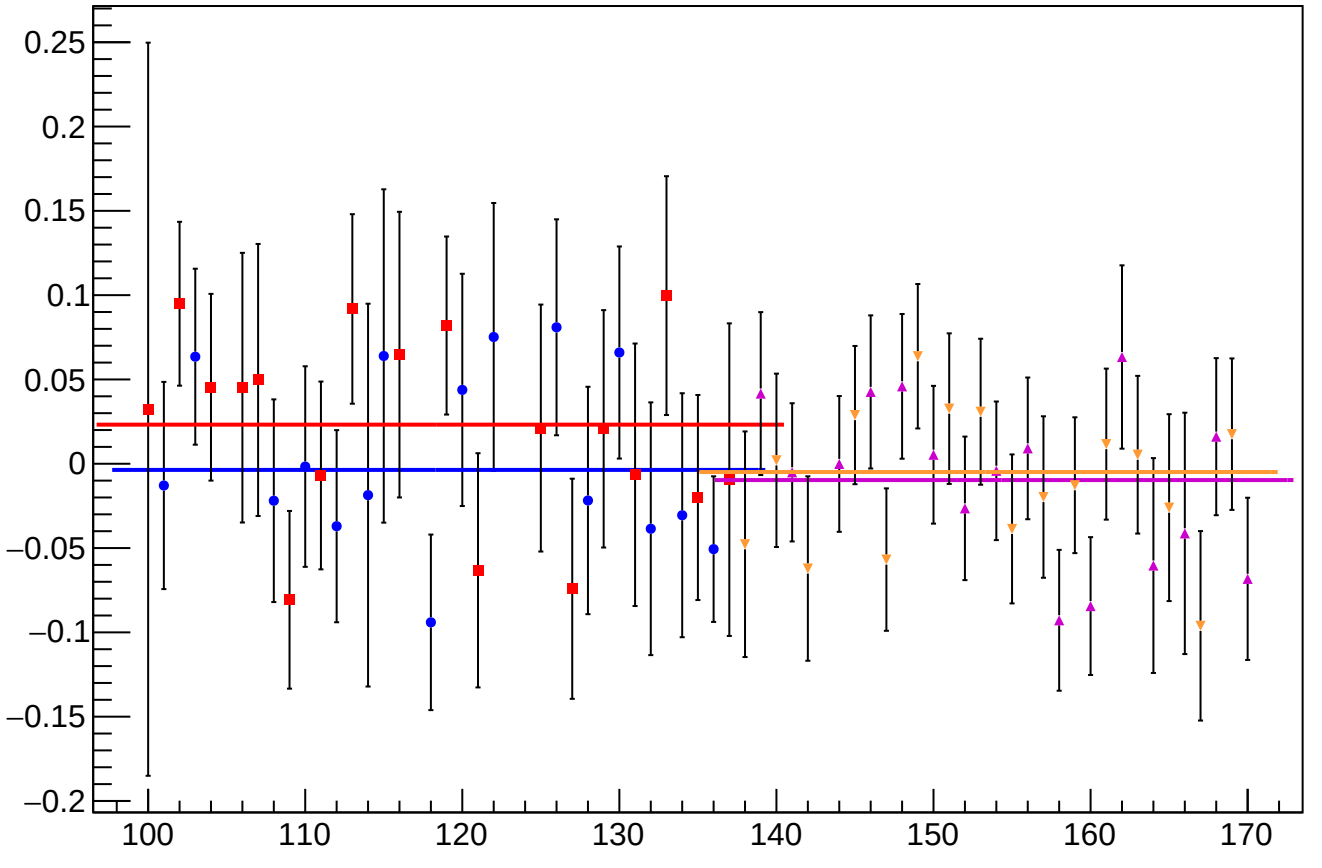
Left: 23.309+/-0.003 χ^2/NDF: 953530.7/31

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

In: 23.339+/-0.004 χ^2/NDF:621621.4/31

Out: 23.410+/-0.004 χ^2/NDF:721035.2/33

All: 23.374+/-0.003 χ^2/NDF: 1342815.9/65



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

Left Out: -0.005+/-0.012 χ^2/NDF:11.6/15

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

Left In: -0.010+/-0.011 χ^2/NDF:16.4/15

Left: -0.007+/-0.008 χ^2/NDF: 28.1/31

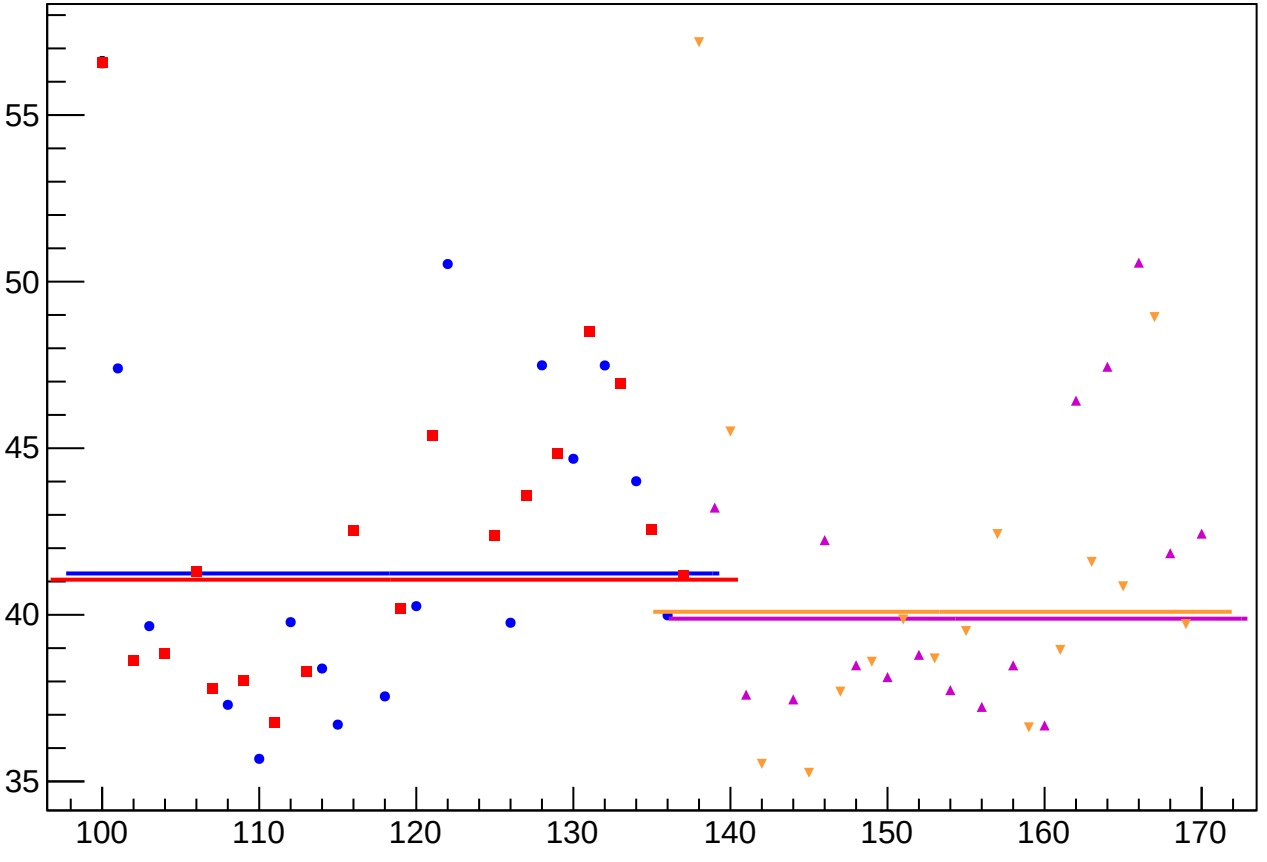
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.008+/-0.009 χ^2/NDF:28.2/31

Out: 0.005+/-0.009 χ^2/NDF:29.1/33

All: -0.001+/-0.007 χ^2/NDF: 58.2/65

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 40.091+/-0.008 χ^2/NDF:278820.0/15

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

Left In: 39.885+/-0.008 χ^2/NDF:174266.3/15

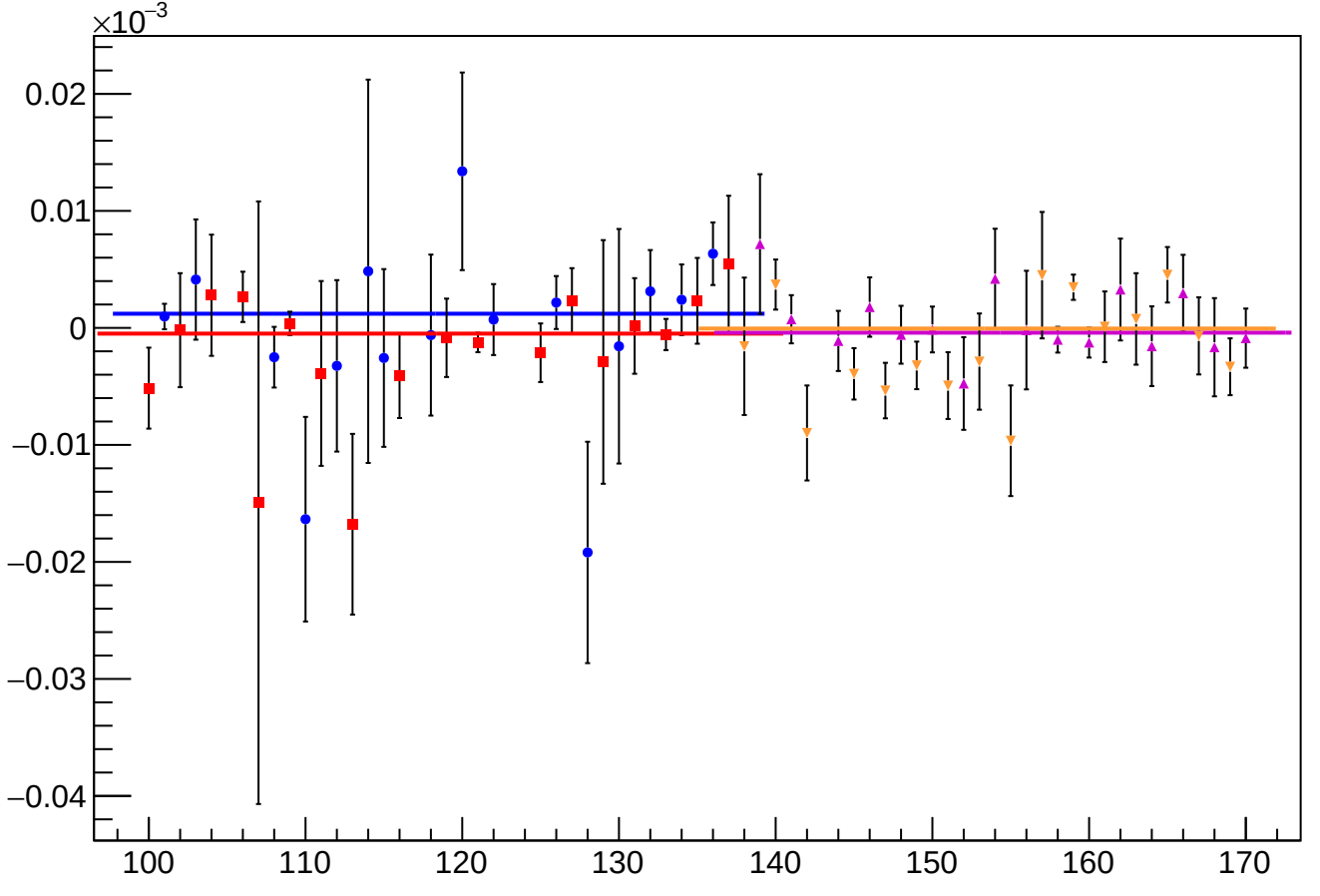
Left: 39.984+/-0.006 χ^2/NDF: 453408.3/31

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

In: 40.347+/-0.006 χ^2/NDF:319356.8/31

Out: 40.440+/-0.007 χ^2/NDF:380311.5/33

All: 40.392+/-0.005 χ^2/NDF: 699769.4/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.0/15

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

Left In: -0.000+/-0.000 χ^2/NDF:7.9/15

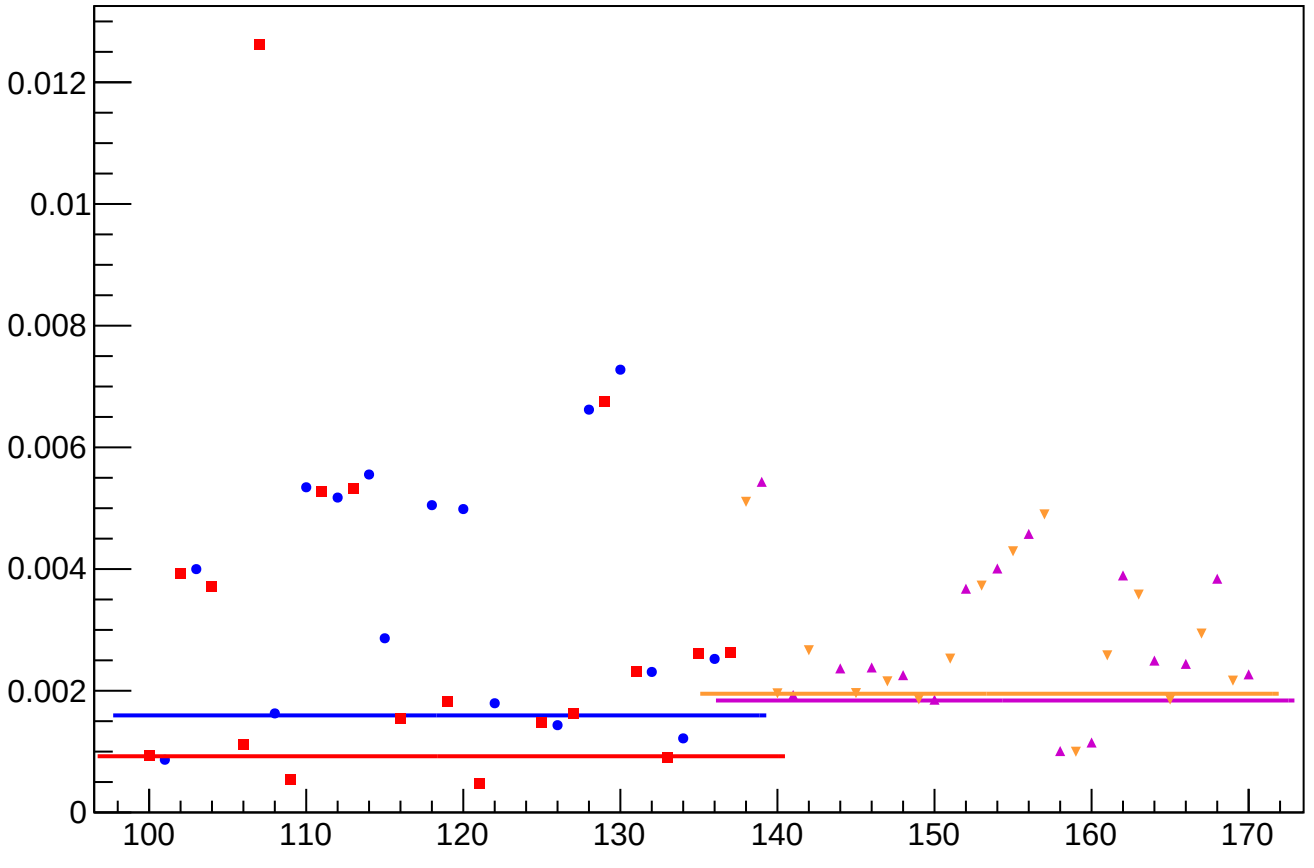
Left: -0.000+/-0.000 χ^2/NDF: 51.1/31

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:58.3/33

All: -0.000+/-0.000 χ^2/NDF: 88.2/65



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

Left Out: 0.002+/-0.000 χ^2/NDF:4394940.5/15

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

Left In: 0.002+/-0.000 χ^2/NDF:5305741.4/15

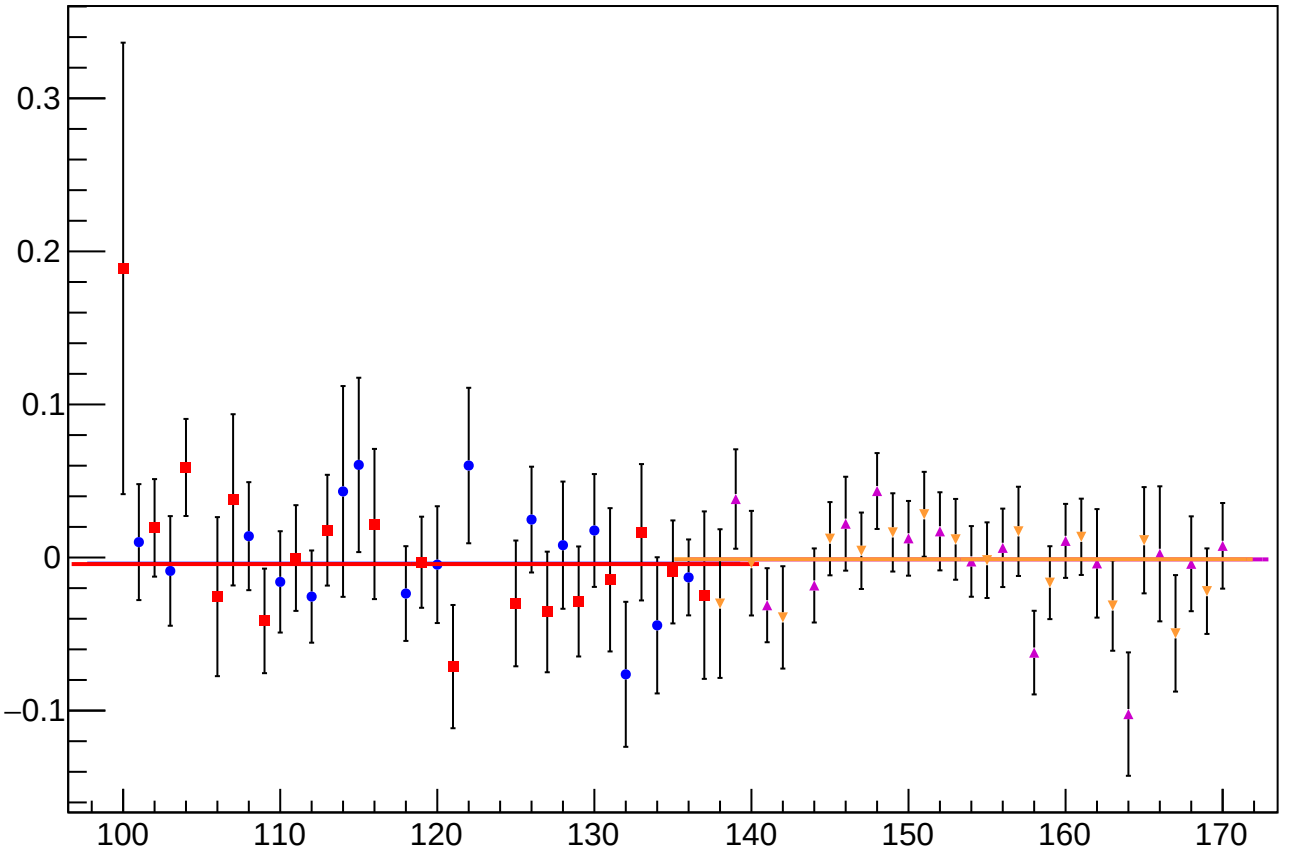
Left: 0.002+/-0.000 χ^2/NDF: 9735711.0/31

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

In: 0.002+/-0.000 χ^2/NDF:10202134.0/31

Out: 0.001+/-0.000 χ^2/NDF:13571128.0/33

All: 0.002+/-0.000 χ^2/NDF: 24748574.6/65



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

Left Out: -0.001+/-0.007 χ^2/NDF:8.4/15

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

Left In: -0.001+/-0.007 χ^2/NDF:19.9/15

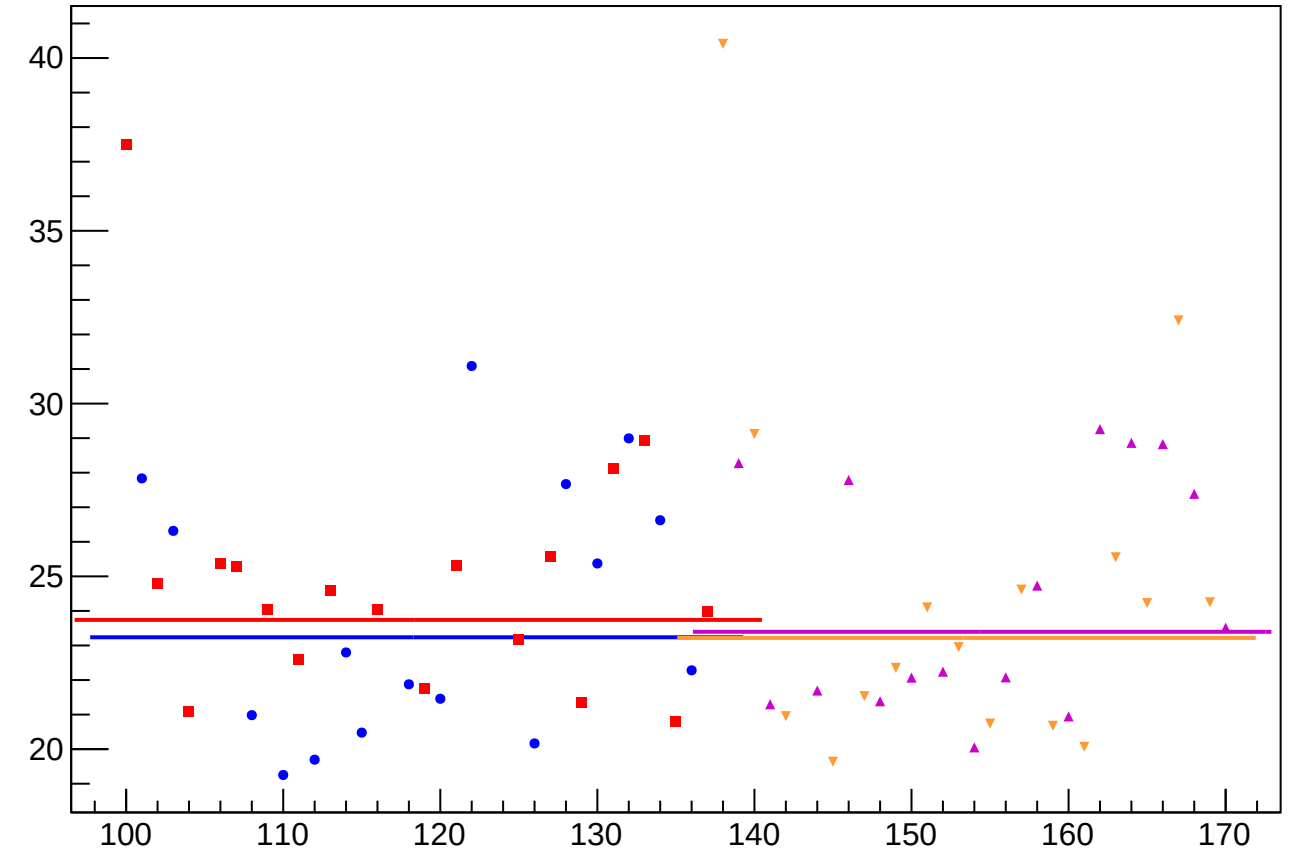
Left: -0.001+/-0.005 χ^2/NDF: 28.2/31

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

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.002+/-0.006 χ^2/NDF:21.9/33

All: -0.002+/-0.004 χ^2/NDF: 51.1/65



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

Left Out: 23.219+/-0.005 χ^2/NDF:590899.3/15

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

Left In: 23.396+/-0.005 χ^2/NDF:361965.2/15

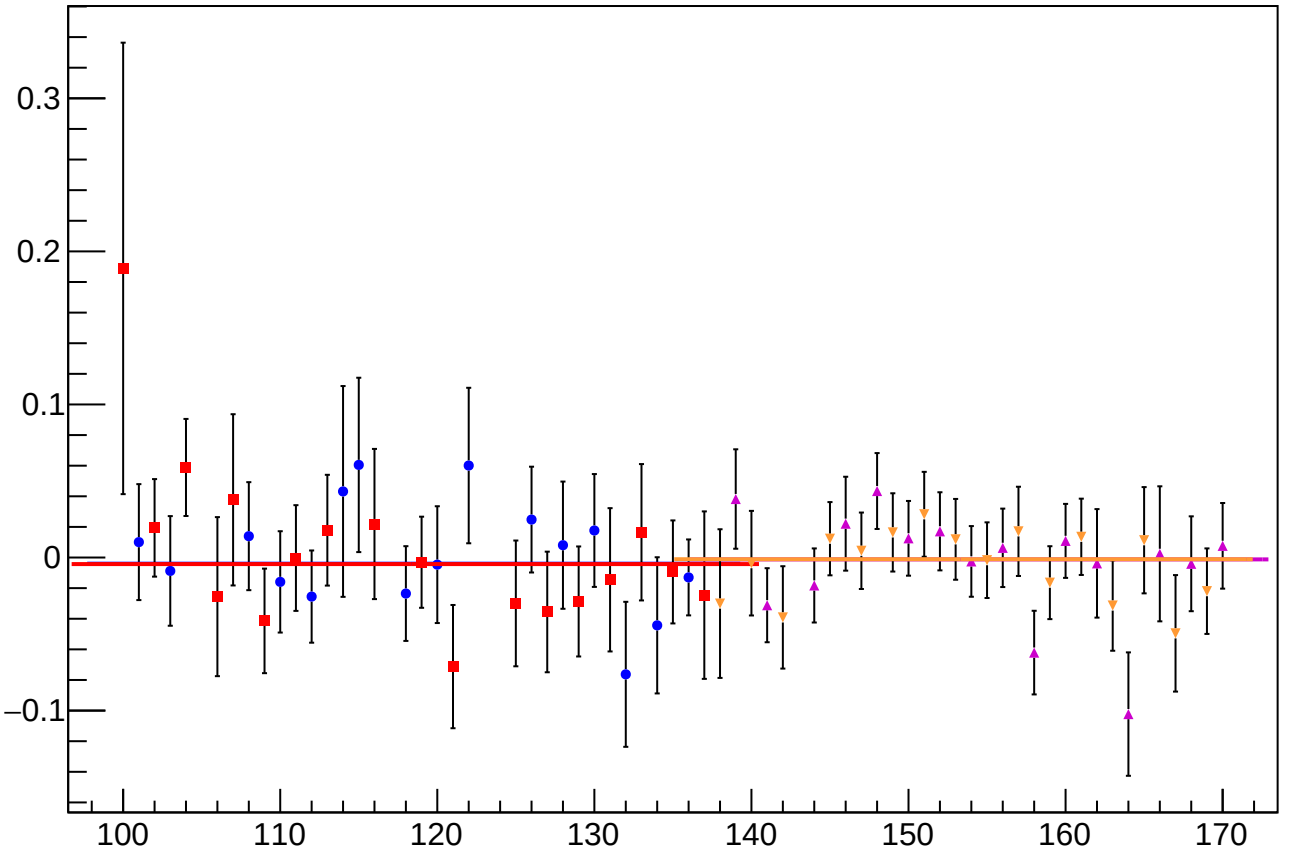
Left: 23.309+/-0.003 χ^2/NDF: 953506.1/31

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

In: 23.339+/-0.004 χ^2/NDF:621565.9/31

Out: 23.410+/-0.004 χ^2/NDF:721009.6/33

All: 23.374+/-0.003 χ^2/NDF: 1342735.6/65



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

Left Out: -0.001+/-0.007 χ^2/NDF:8.4/15

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

Left In: -0.001+/-0.007 χ^2/NDF:19.9/15

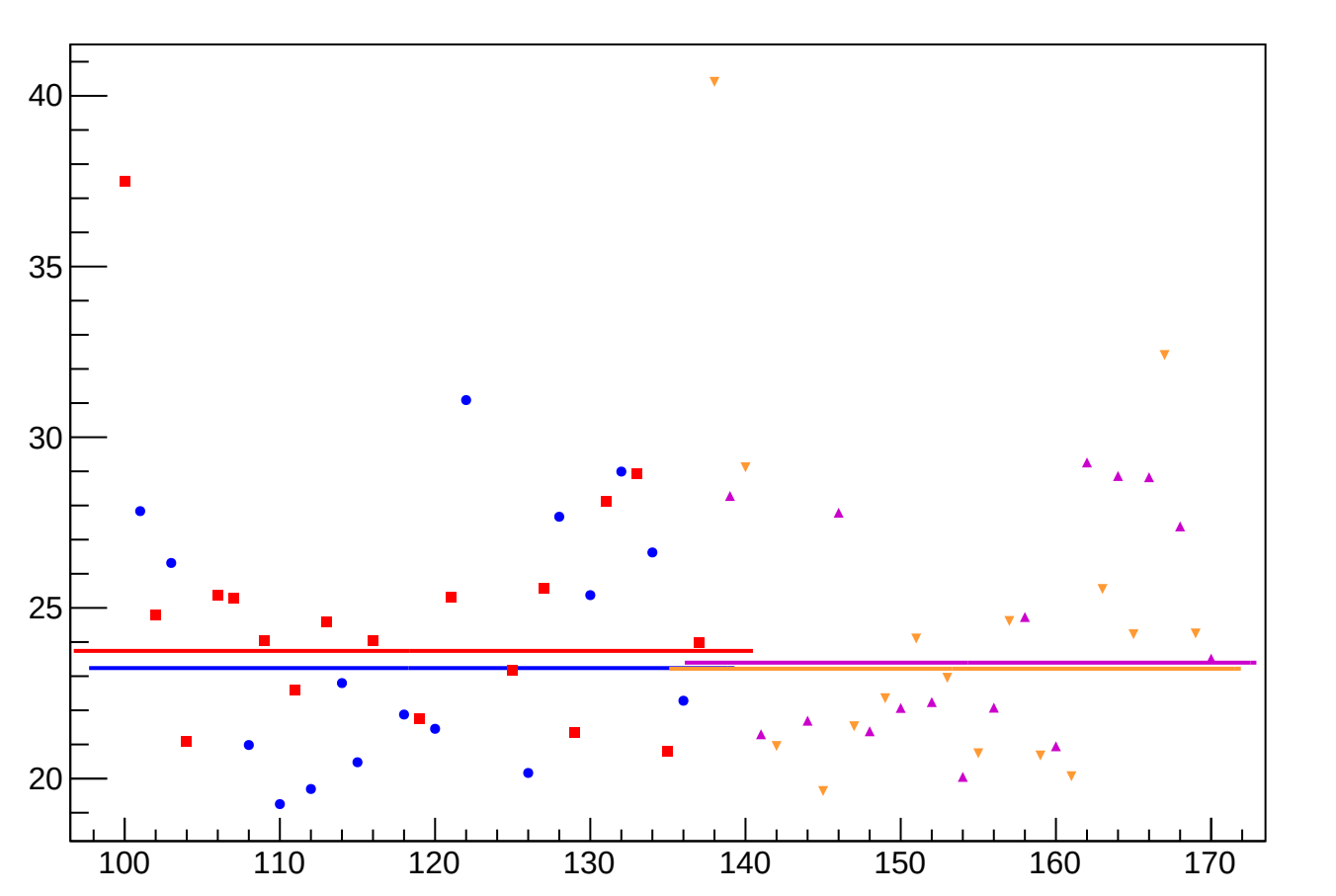
Left: -0.001+/-0.005 χ^2/NDF: 28.2/31

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

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.002+/-0.006 χ^2/NDF:21.9/33

All: -0.002+/-0.004 χ^2/NDF: 51.1/65



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

Left Out: 23.219+/-0.005 χ^2/NDF:590899.3/15

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

Left In: 23.396+/-0.005 χ^2/NDF:361965.2/15

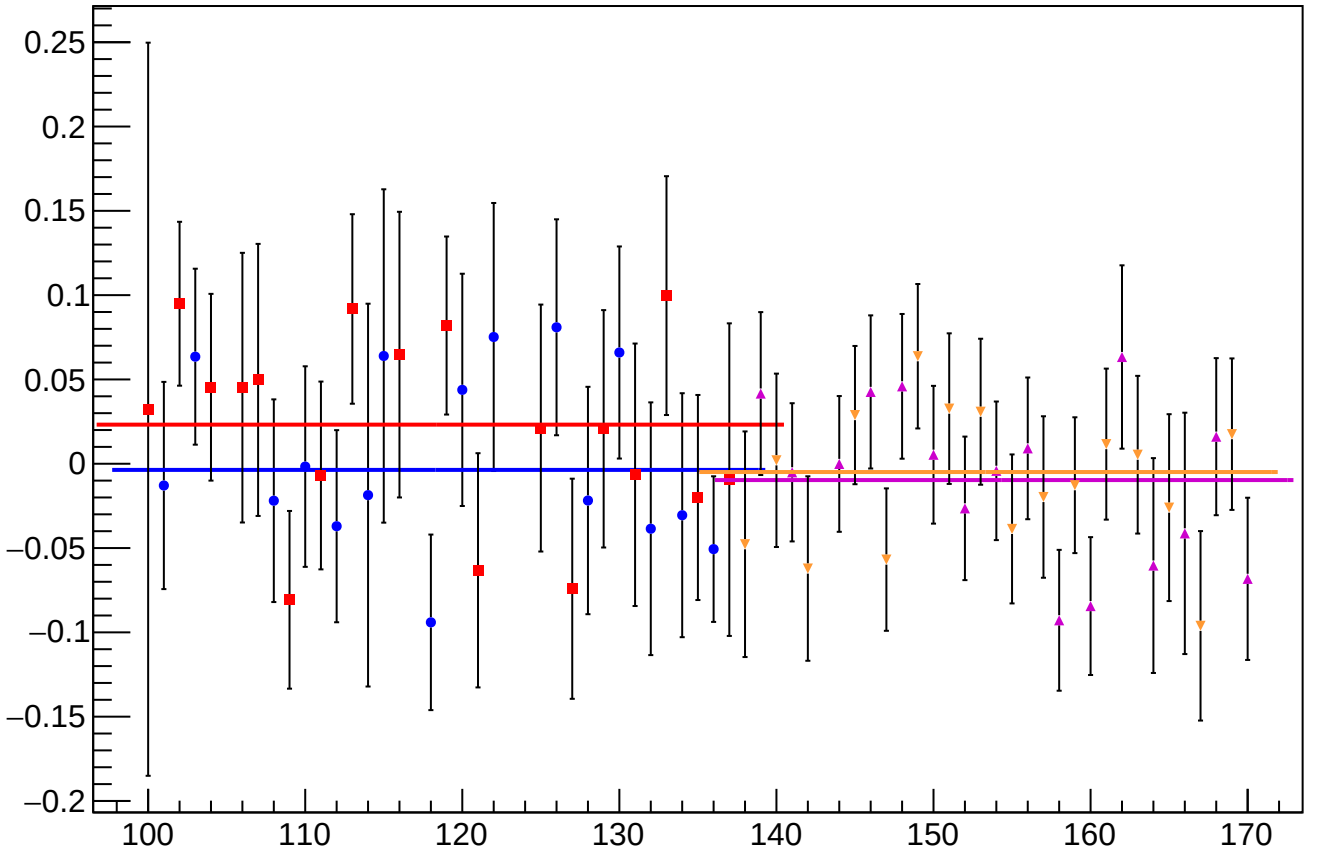
Left: 23.309+/-0.003 χ^2/NDF: 953506.1/31

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

In: 23.339+/-0.004 χ^2/NDF:621565.9/31

Out: 23.410+/-0.004 χ^2/NDF:721009.6/33

All: 23.374+/-0.003 χ^2/NDF: 1342735.6/65



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

Left Out: -0.005+/-0.012 χ^2/NDF:11.6/15

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

Left In: -0.010+/-0.011 χ^2/NDF:16.4/15

Left: -0.007+/-0.008 χ^2/NDF: 28.1/31

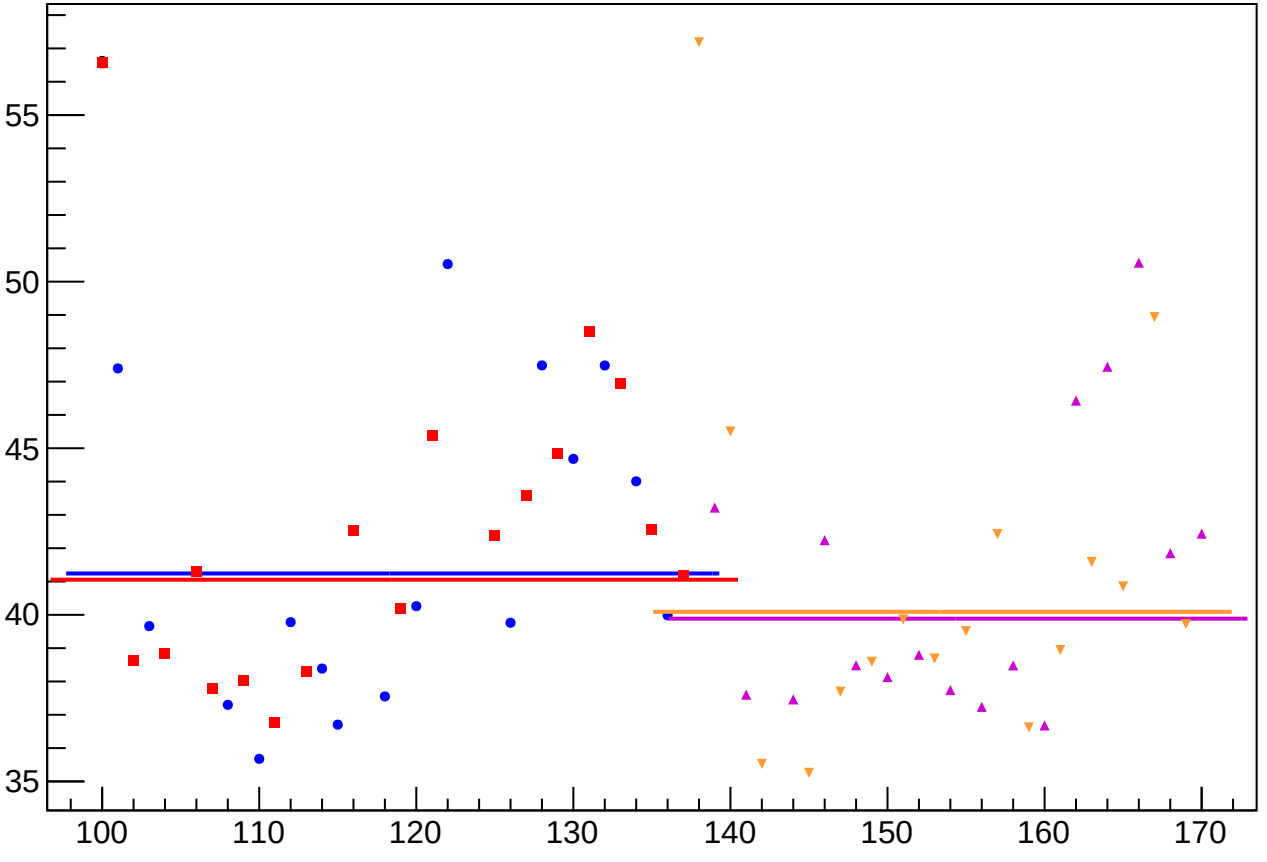
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.008+/-0.009 χ^2/NDF:28.2/31

Out: 0.005+/-0.009 χ^2/NDF:29.1/33

All: -0.001+/-0.007 χ^2/NDF: 58.2/65

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 40.091+/-0.008 χ^2/NDF:278823.8/15

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

Left In: 39.885+/-0.008 χ^2/NDF:174273.2/15

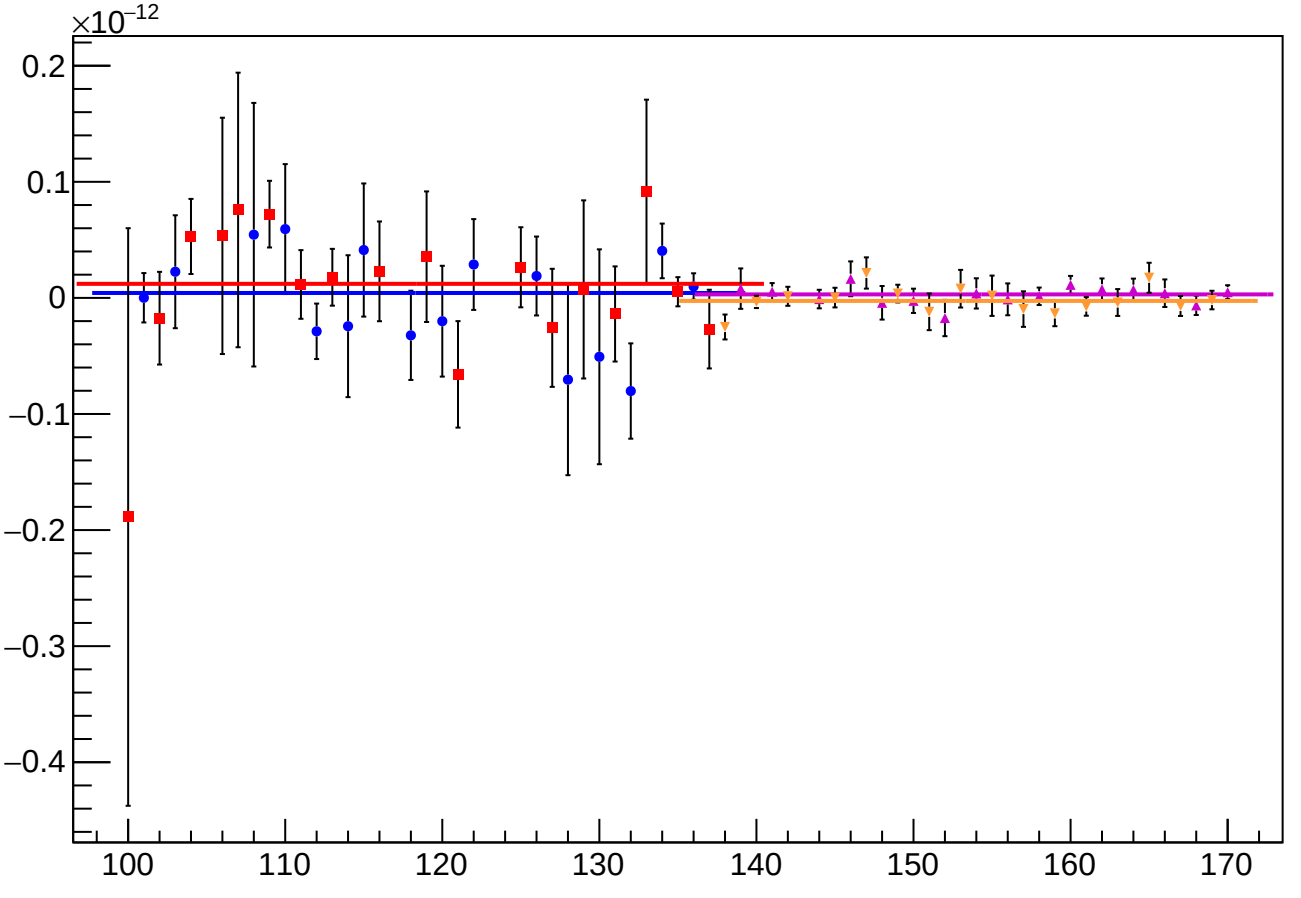
Left: 39.984+/-0.006 χ^2/NDF: 453418.9/31

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

In: 40.347+/-0.006 χ^2/NDF:319336.2/31

Out: 40.440+/-0.007 χ^2/NDF:380303.1/33

All: 40.393+/-0.005 χ^2/NDF: 699740.5/65



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/15

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/15

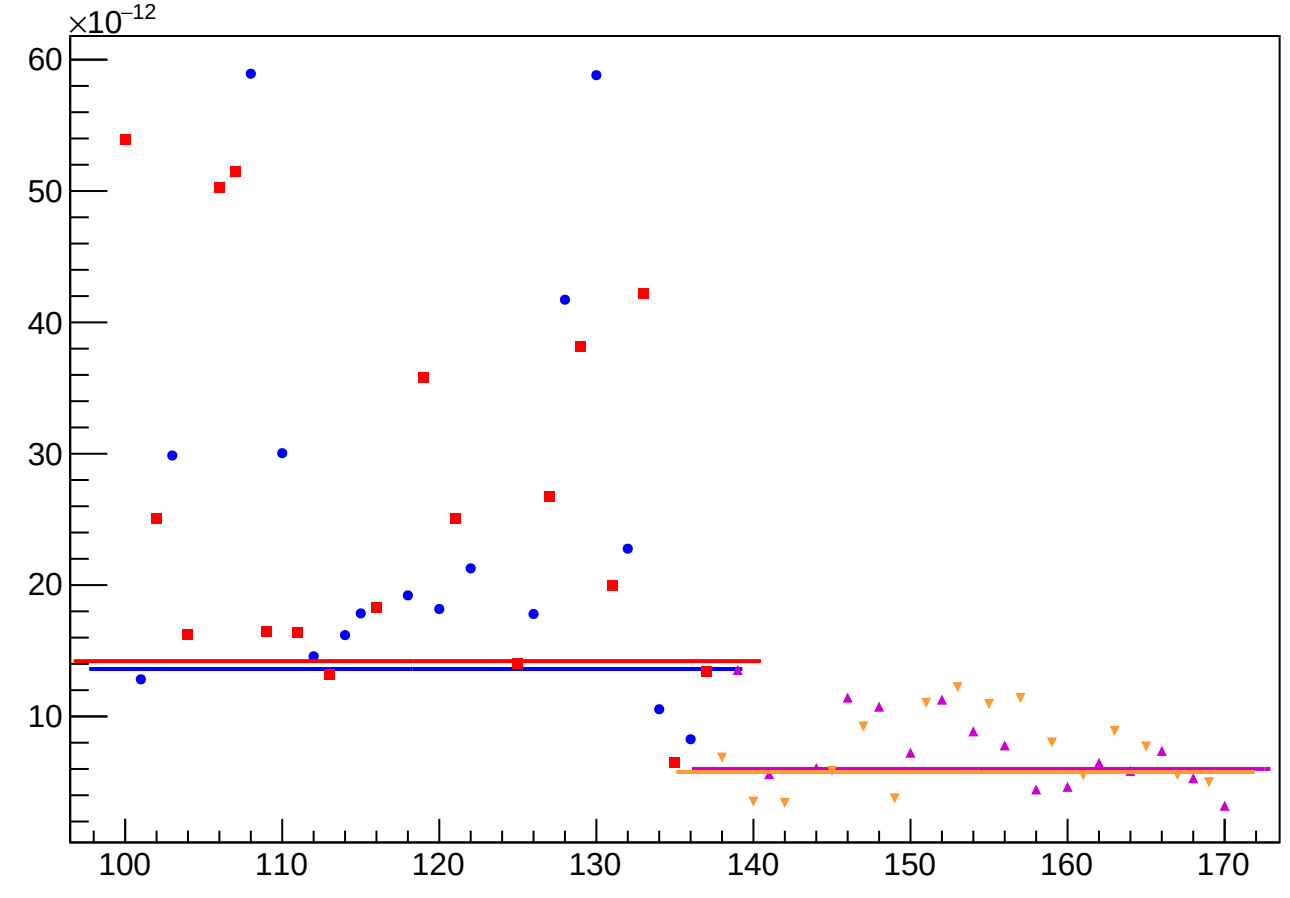
Left: 0.000+/-0.000 χ^2/NDF: 23.0/31

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:20.2/31

Out: -0.000+/-0.000 χ^2/NDF:31.5/33

All: 0.000+/-0.000 χ^2/NDF: 53.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2109055.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1876459.1/15

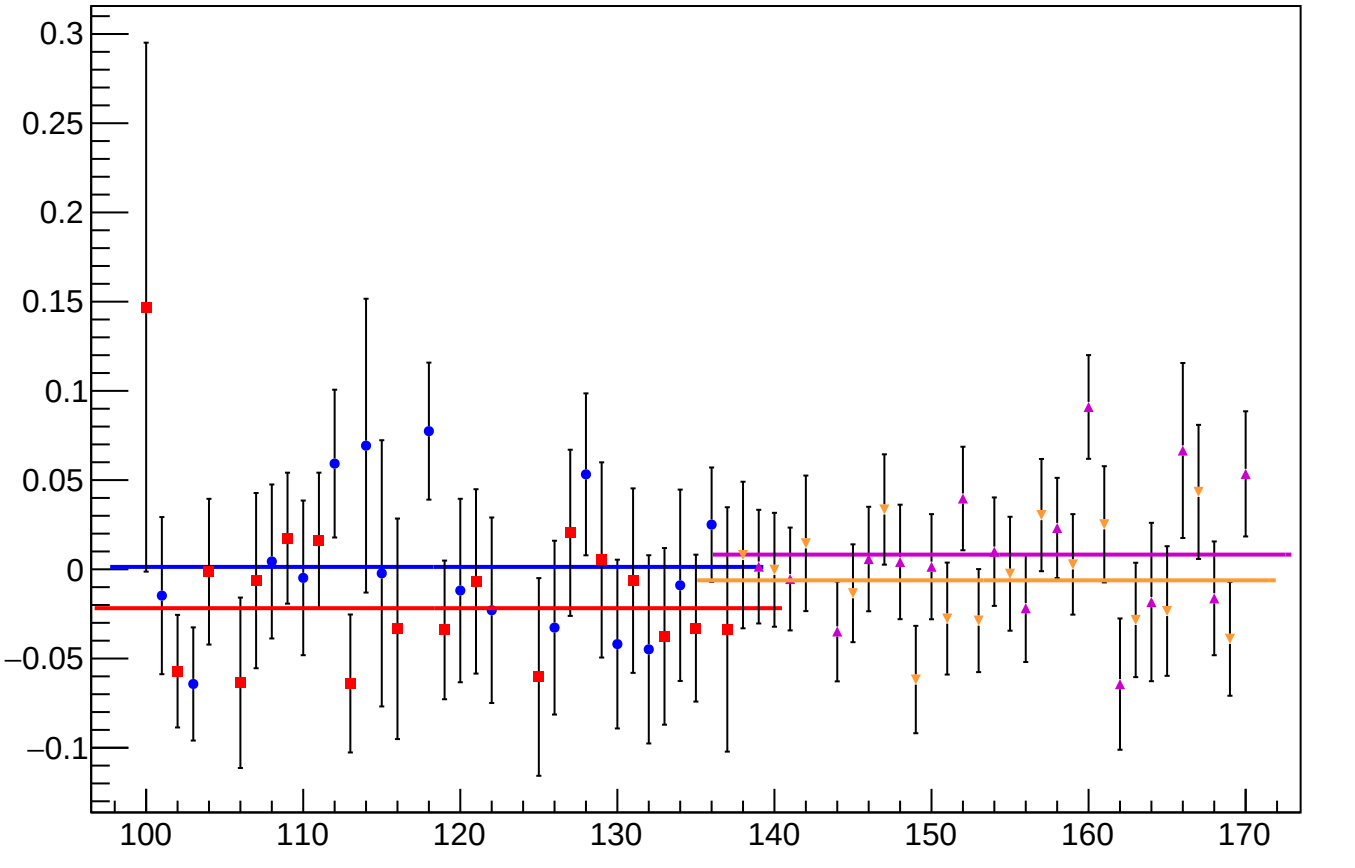
Left: 0.000+/-0.000 χ^2/NDF: 3995167.0/31

Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

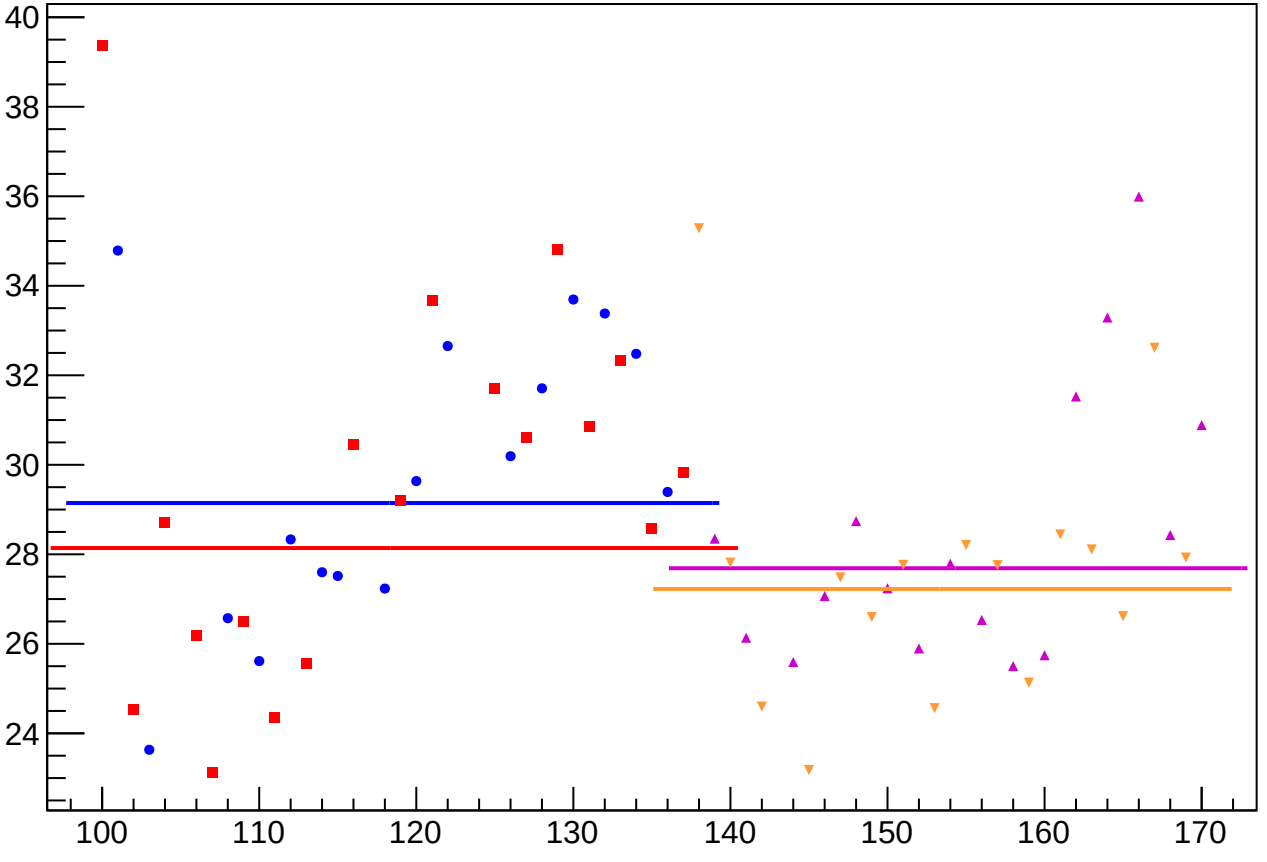
In: 0.000+/-0.000 χ^2/NDF:5993962.2/31

Out: 0.000+/-0.000 χ^2/NDF:6730952.9/33

All: 0.000+/-0.000 χ^2/NDF: 12735535.4/65


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.008 χ²/NDF:12.6/15
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.008+/-0.008 χ²/NDF:21.2/15
Left: 0.001+/-0.006 χ²/NDF: 35.4/31
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.006+/-0.006 χ²/NDF:36.7/31
Out: -0.012+/-0.006 χ²/NDF:22.9/33
All: -0.003+/-0.005 χ²/NDF: 63.4/65

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 27.225+/-0.006 χ^2/NDF:209932.2/15

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

Left In: 27.689+/-0.006 χ^2/NDF:181758.9/15

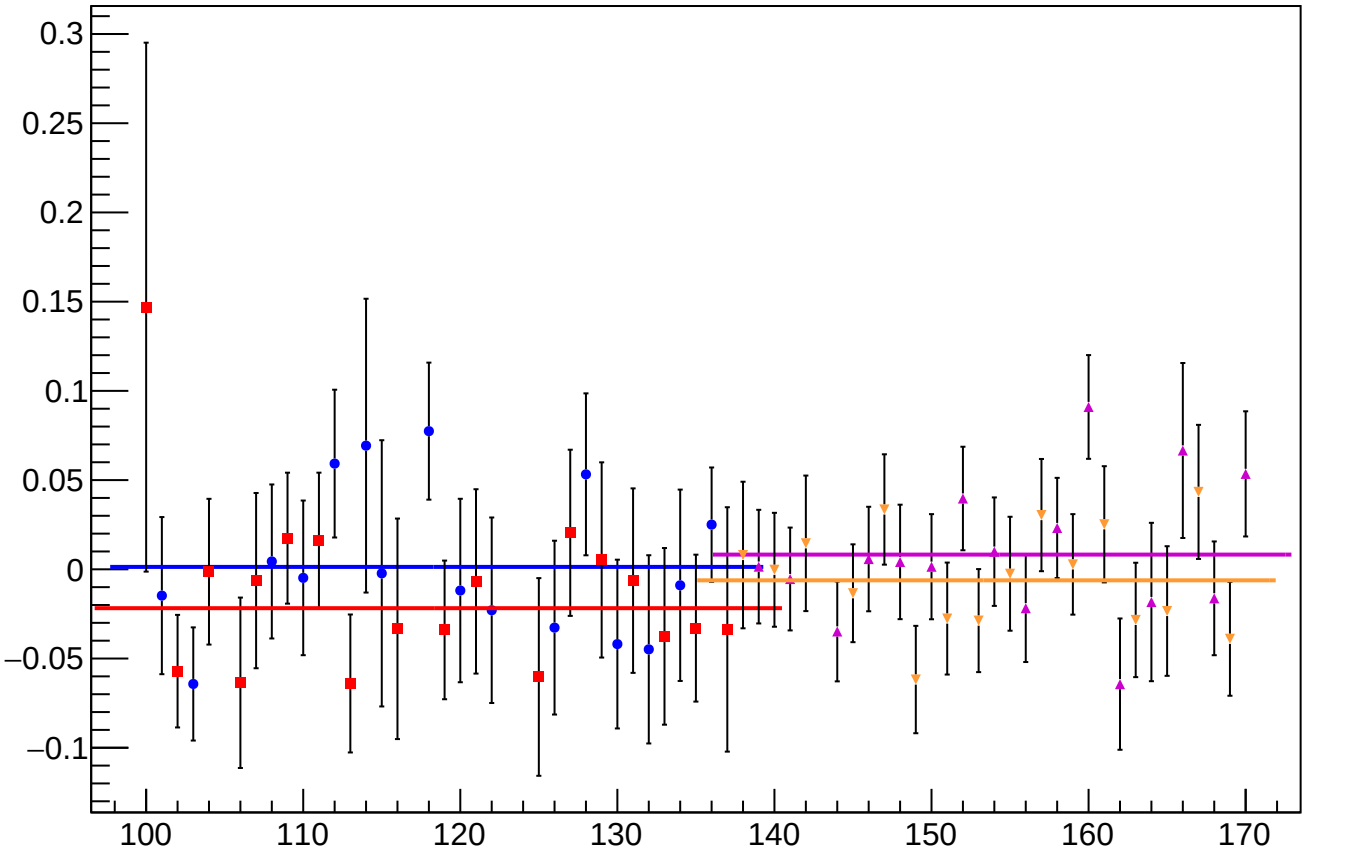
Left: 27.460+/-0.004 χ^2/NDF: 395085.2/31

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

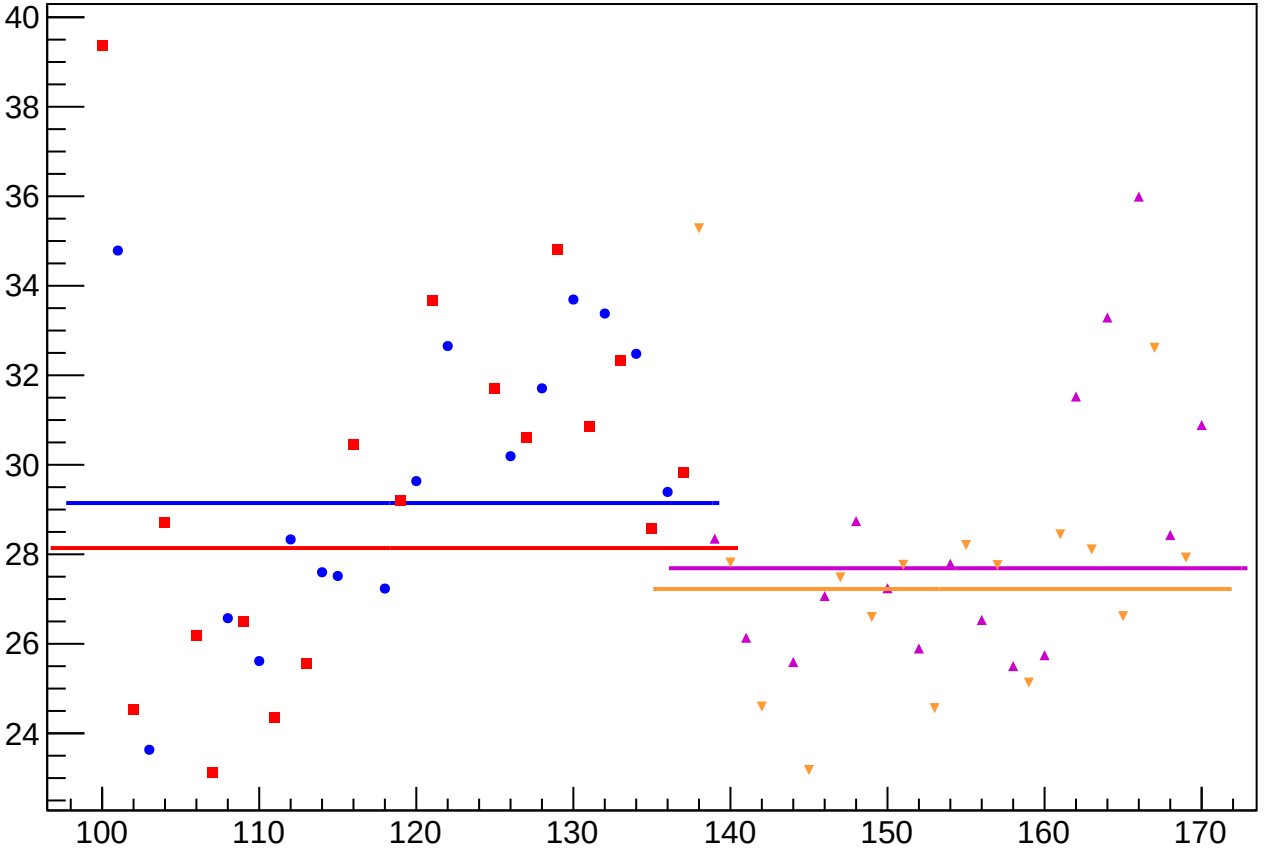
In: 28.172+/-0.005 χ^2/NDF:381219.2/31

Out: 27.551+/-0.005 χ^2/NDF:406313.5/33

All: 27.860+/-0.003 χ^2/NDF: 796820.3/65


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.008 χ²/NDF:12.6/15
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.008+/-0.008 χ²/NDF:21.2/15
Left: 0.001+/-0.006 χ²/NDF: 35.4/31
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.006+/-0.006 χ²/NDF:36.7/31
Out: -0.012+/-0.006 χ²/NDF:22.9/33
All: -0.003+/-0.005 χ²/NDF: 63.4/65

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: 27.225+/-0.006 χ^2/NDF:209932.2/15

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

Left In: 27.689+/-0.006 χ^2/NDF:181758.9/15

Left: 27.460+/-0.004 χ^2/NDF: 395085.2/31

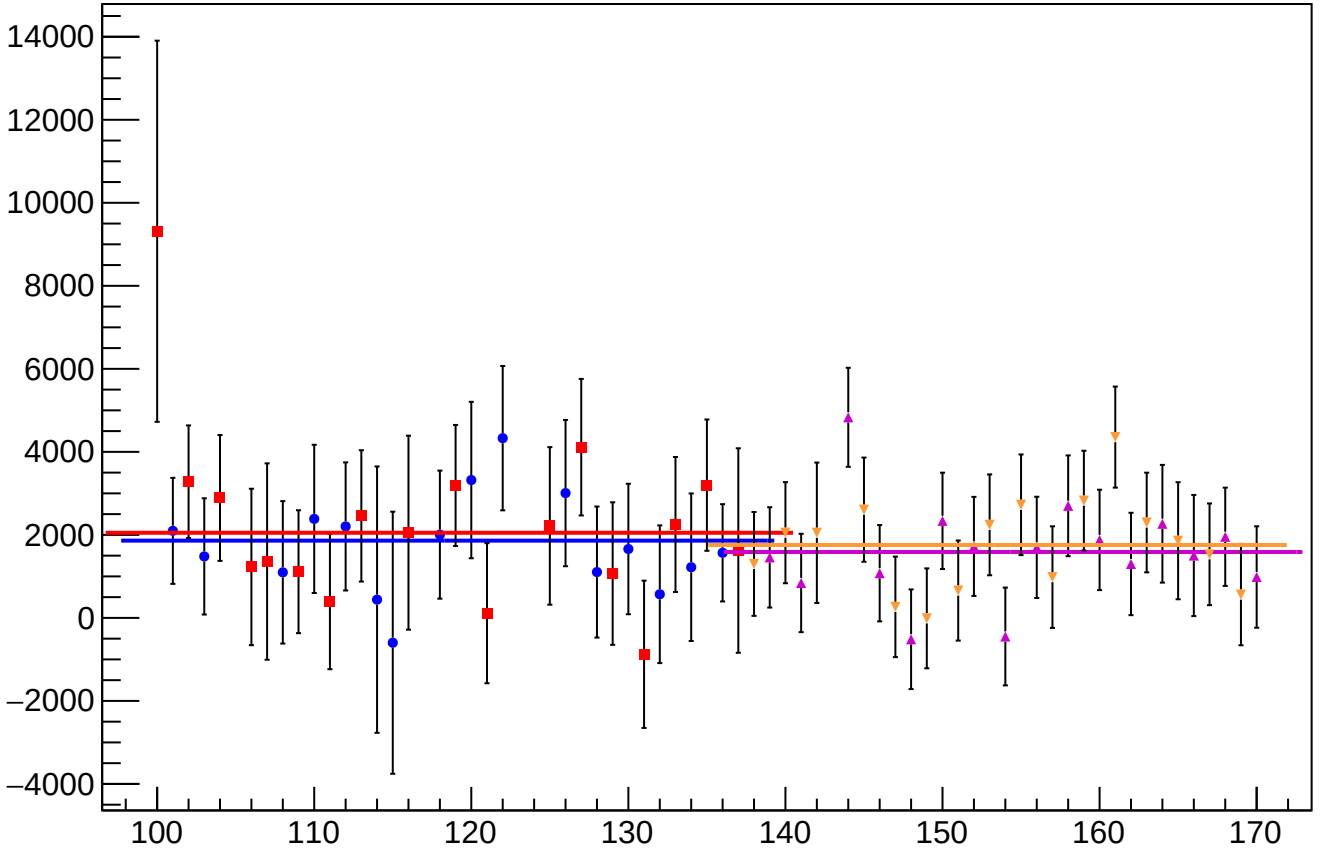
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.172+/-0.005 χ^2/NDF:381219.2/31

Out: 27.551+/-0.005 χ^2/NDF:406313.5/33

All: 27.860+/-0.003 χ^2/NDF: 796820.3/65

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1756.575+/-311.809 χ^2/NDF:12.9/15

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

Left In: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1670.407+/-218.064 χ^2/NDF: 29.1/31

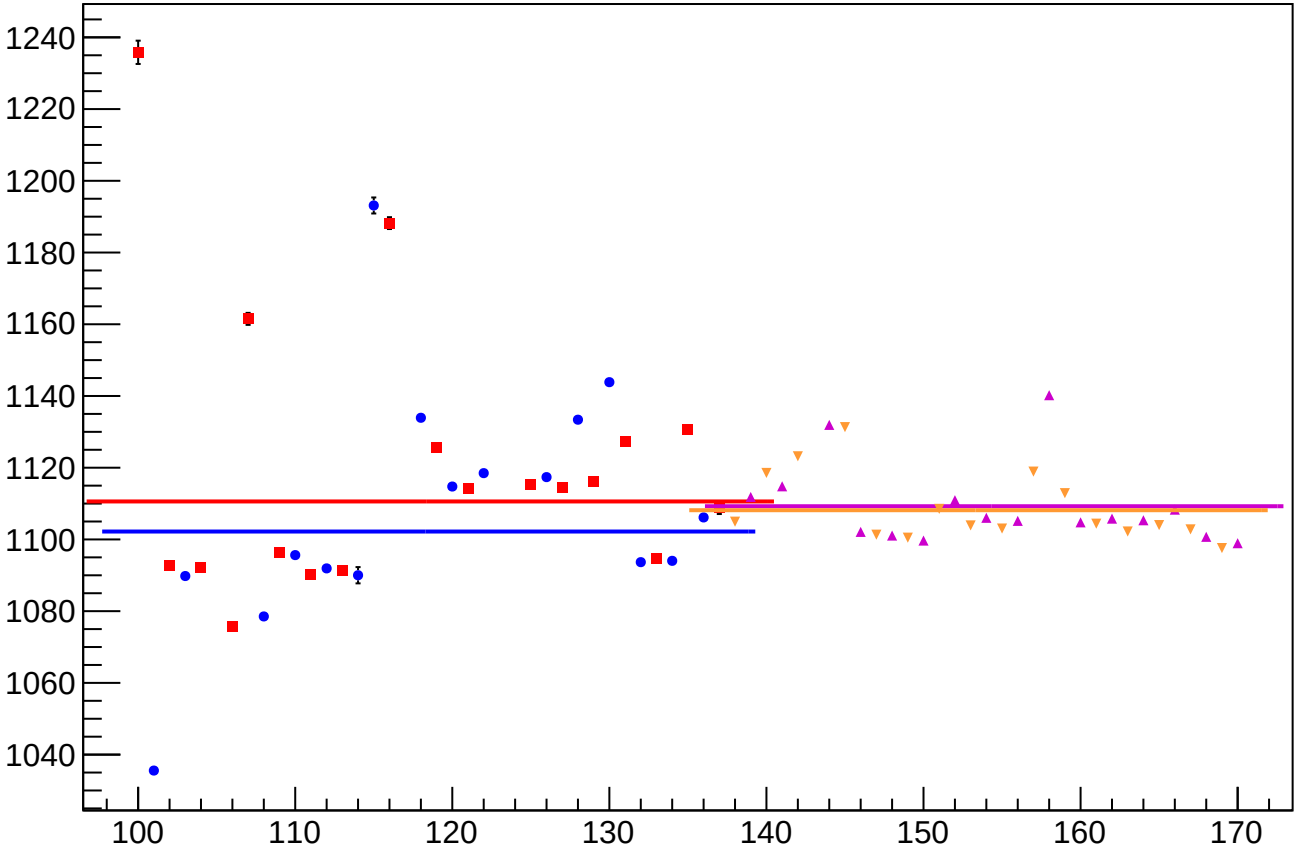
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

Out: 1864.656+/-248.023 χ^2/NDF:25.8/33

All: 1773.887+/-174.175 χ^2/NDF: 47.7/65

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.148+/-0.220 χ^2/NDF:1661.3/15

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

Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

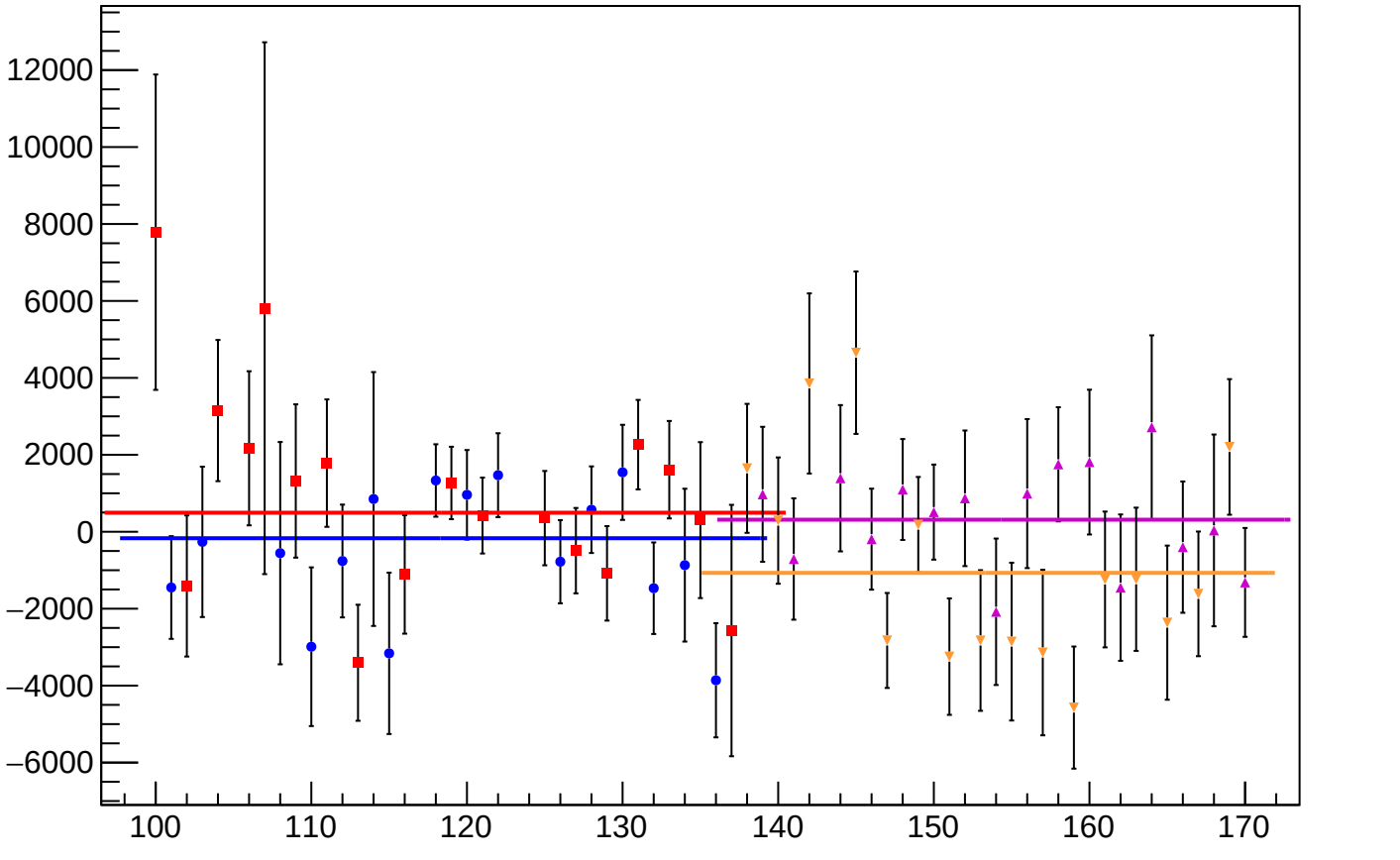
Left: 1108.715+/-0.154 χ^2/NDF: 4403.8/31

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

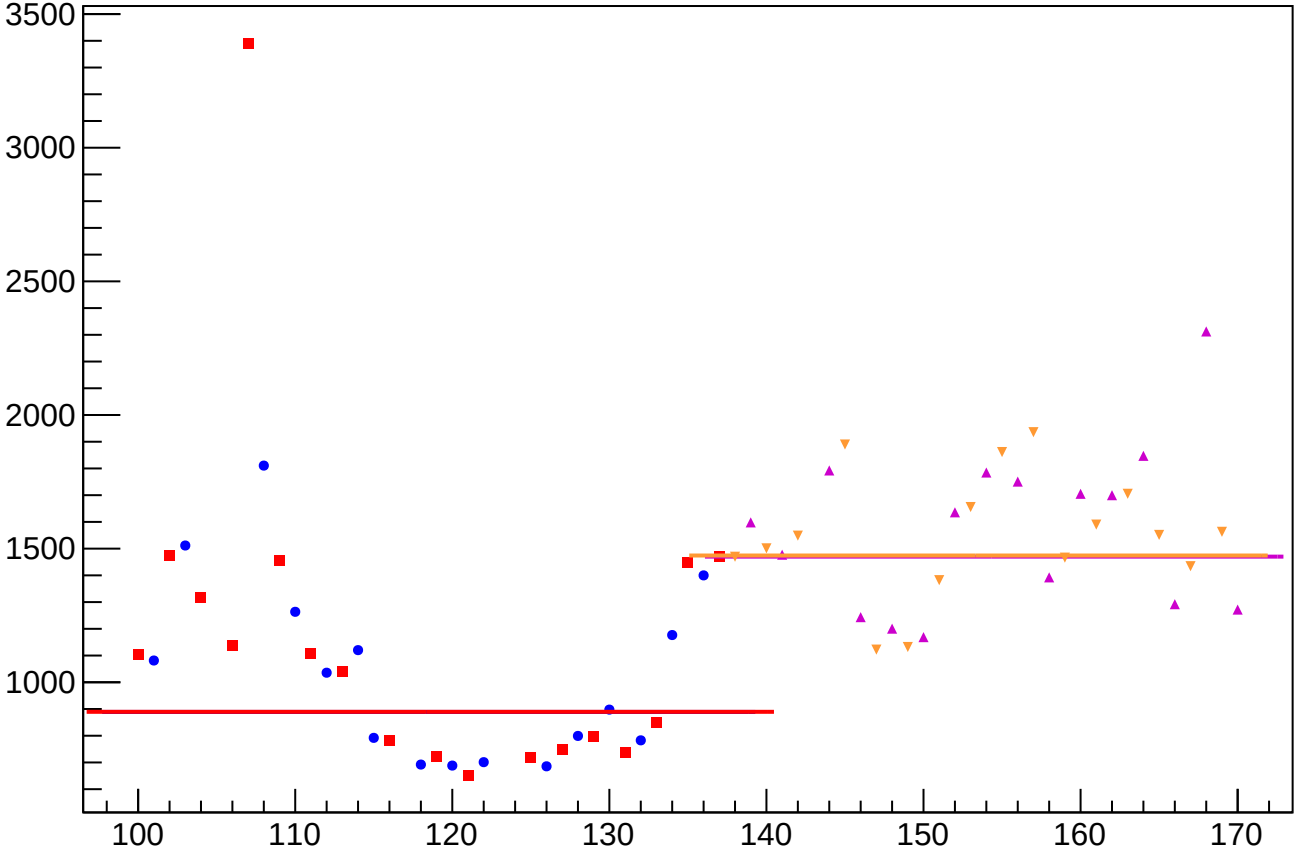
In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

Out: 1109.046+/-0.175 χ^2/NDF:9402.4/33

All: 1107.878+/-0.123 χ^2/NDF: 23950.0/65


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: -1068.715+/-422.984 χ²/NDF:31.7/15
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 313.565+/-412.509 χ²/NDF:8.2/15
Left: -360.248+/-295.322 χ²/NDF: 45.3/31
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 30.566+/-264.843 χ²/NDF:30.0/31
Out: -129.708+/-267.374 χ²/NDF:63.2/33
All: -48.809+/-188.161 χ²/NDF: 93.4/65

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1474.275+/-0.299 χ^2/NDF:634290.1/15

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

Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1472.122+/-0.209 χ^2/NDF: 1484910.0/31

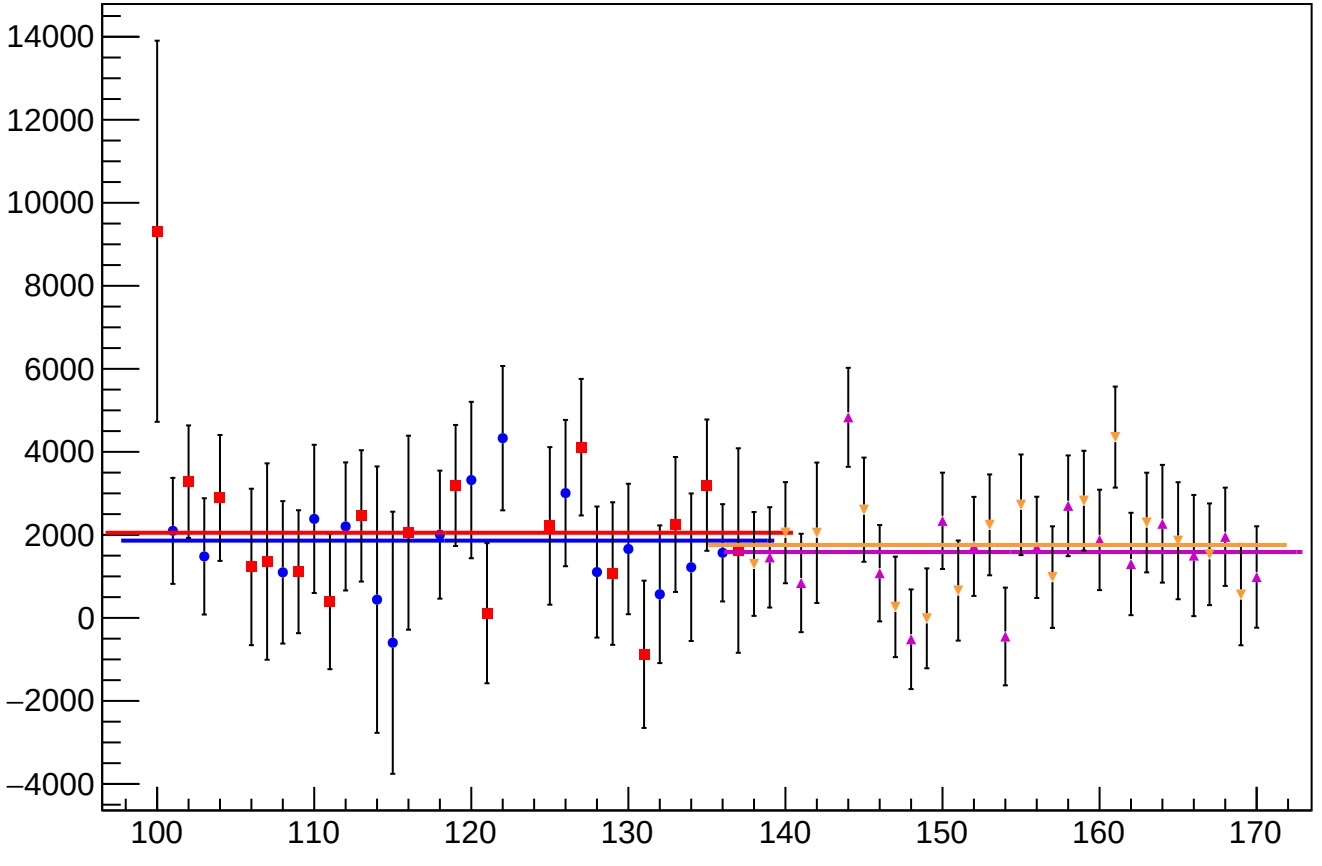
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

Out: 1123.144+/-0.189 χ^2/NDF:4275432.4/33

All: 1125.844+/-0.133 χ^2/NDF: 8592145.8/65

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1756.575+/-311.809 χ^2/NDF:12.9/15

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

Left In: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1670.407+/-218.064 χ^2/NDF: 29.1/31

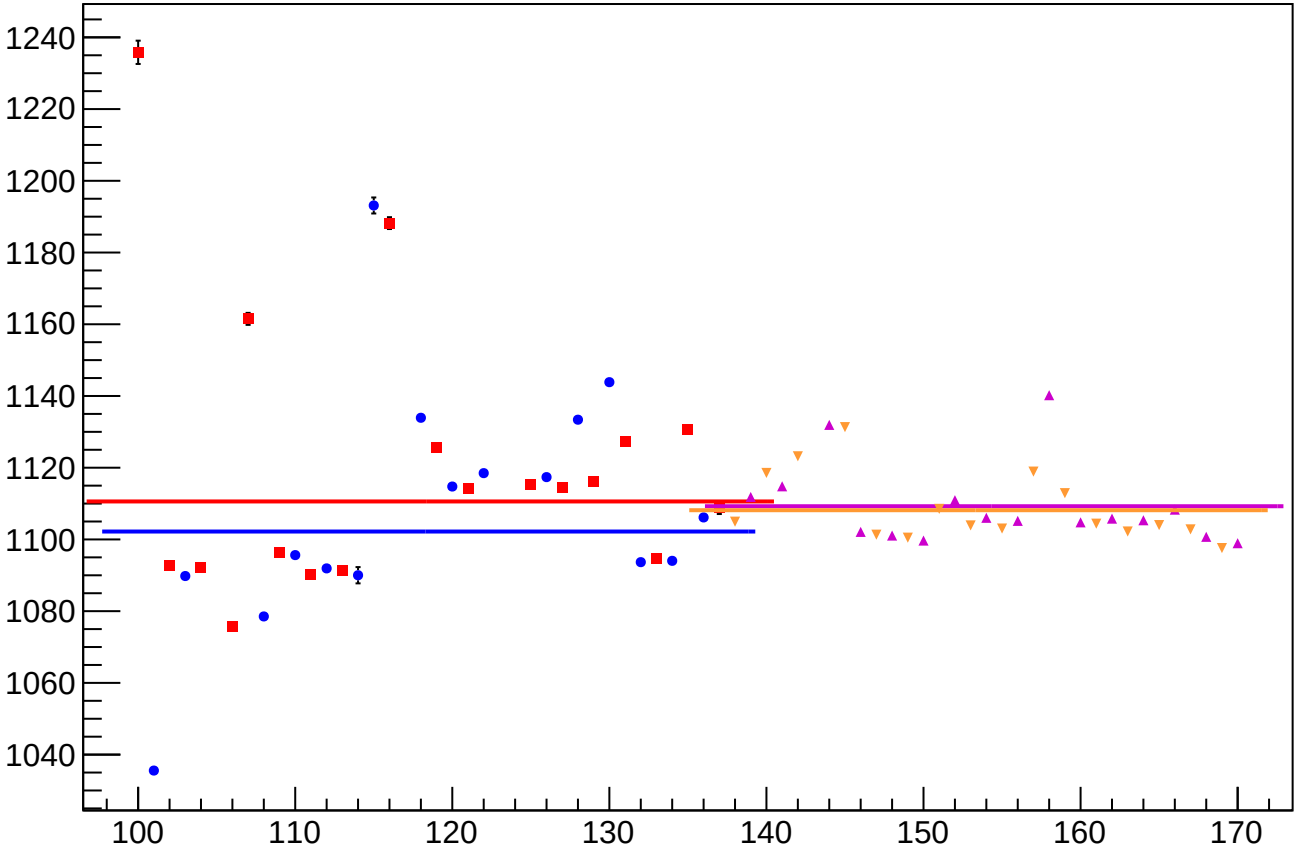
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

Out: 1864.656+/-248.023 χ^2/NDF:25.8/33

All: 1773.887+/-174.175 χ^2/NDF: 47.7/65

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.148+/-0.220 χ^2/NDF:1661.3/15

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

Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

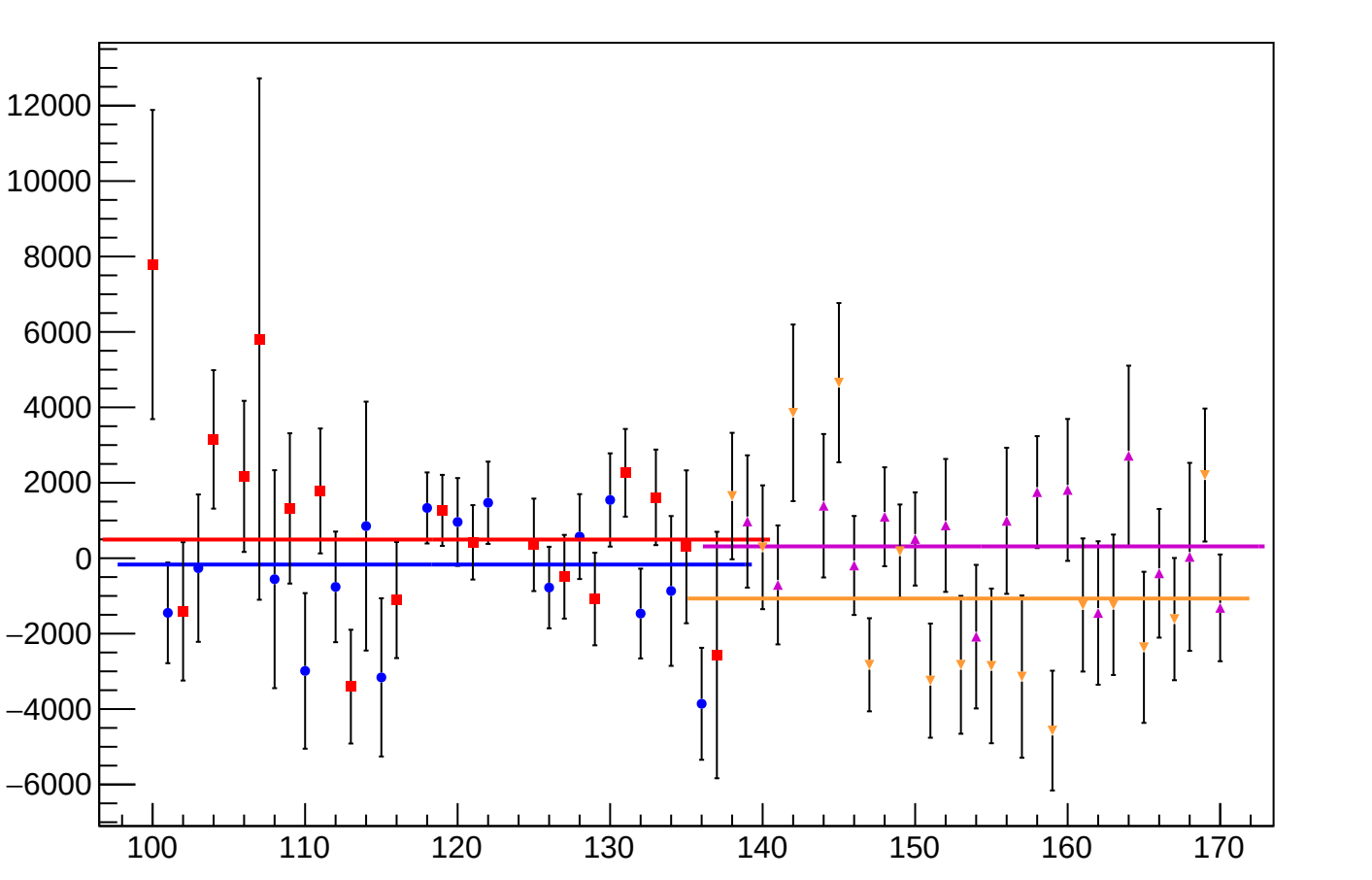
Left: 1108.715+/-0.154 χ^2/NDF: 4403.8/31

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

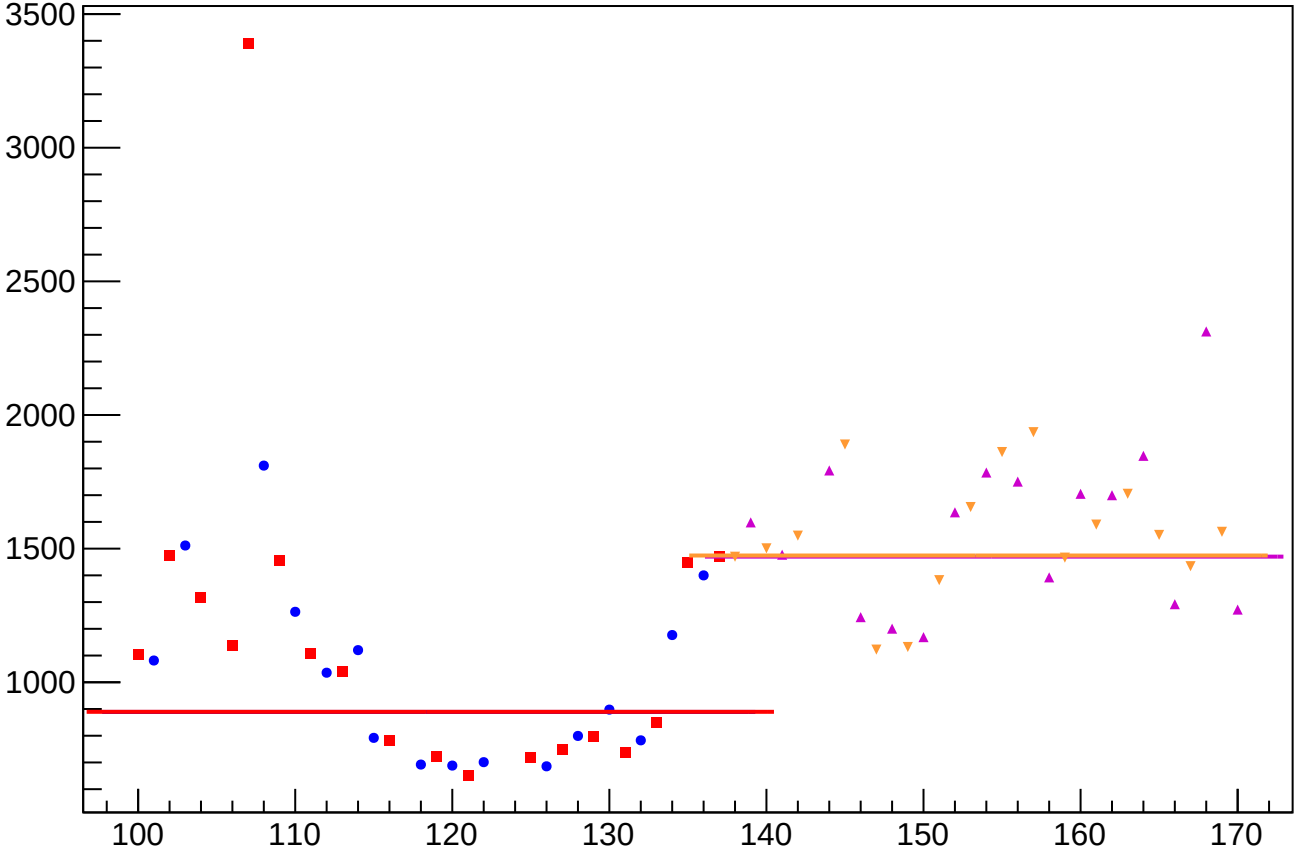
In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

Out: 1109.046+/-0.175 χ^2/NDF:9402.4/33

All: 1107.878+/-0.123 χ^2/NDF: 23950.0/65


asym_usl_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1068.715+/-422.984 χ²/NDF:31.7/15
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 313.565+/-412.509 χ²/NDF:8.2/15
Left: -360.248+/-295.322 χ²/NDF: 45.3/31
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 30.566+/-264.843 χ²/NDF:30.0/31
Out: -129.708+/-267.374 χ²/NDF:63.2/33
All: -48.809+/-188.161 χ²/NDF: 93.4/65

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1474.275+/-0.299 χ^2/NDF:634290.1/15

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

Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1472.122+/-0.209 χ^2/NDF: 1484910.0/31

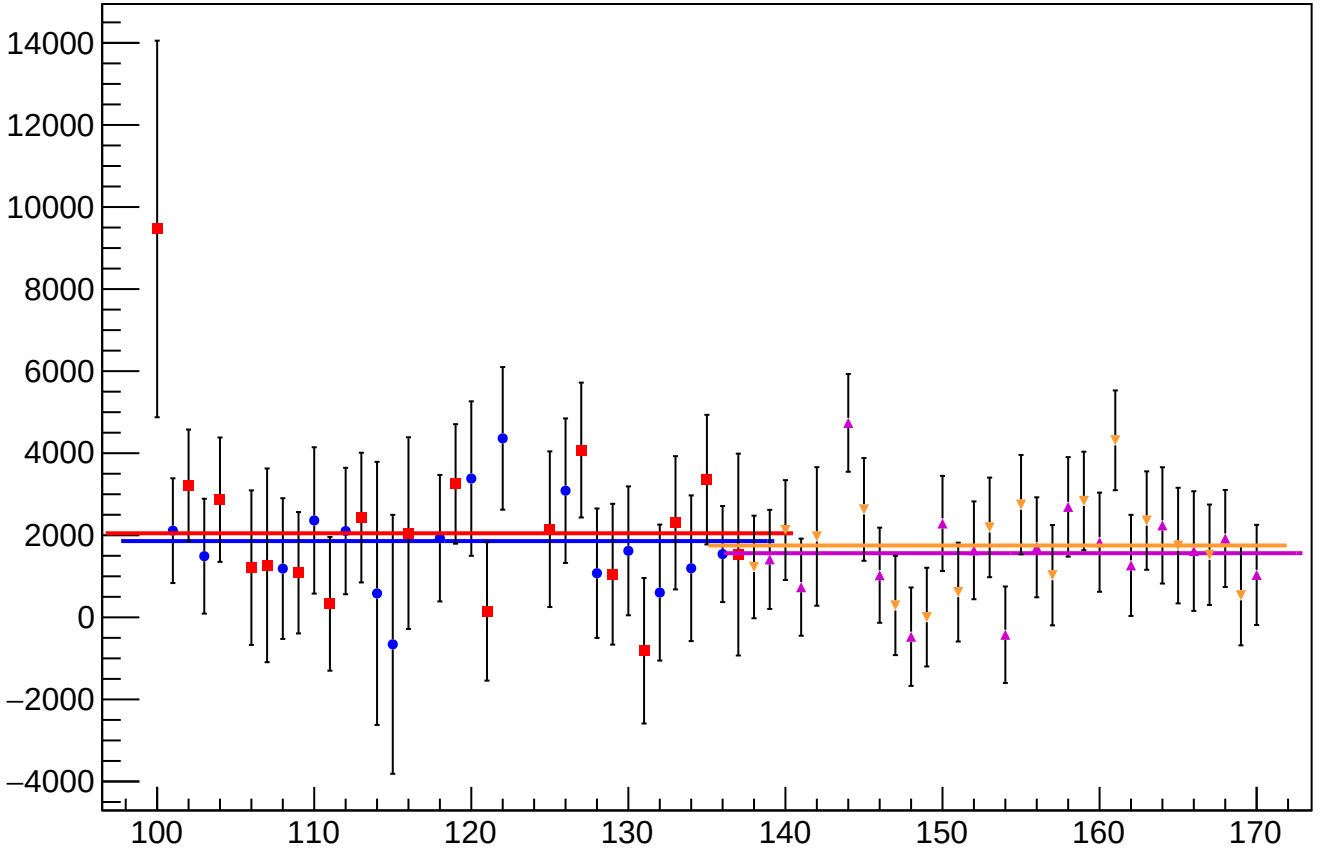
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

Out: 1123.144+/-0.189 χ^2/NDF:4275432.4/33

All: 1125.844+/-0.133 χ^2/NDF: 8592145.8/65

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1751.614+/-311.493 χ^2/NDF:12.9/15

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

Left In: 1563.403+/-304.776 χ^2/NDF:15.5/15

Left: 1655.457+/-217.845 χ^2/NDF: 28.6/31

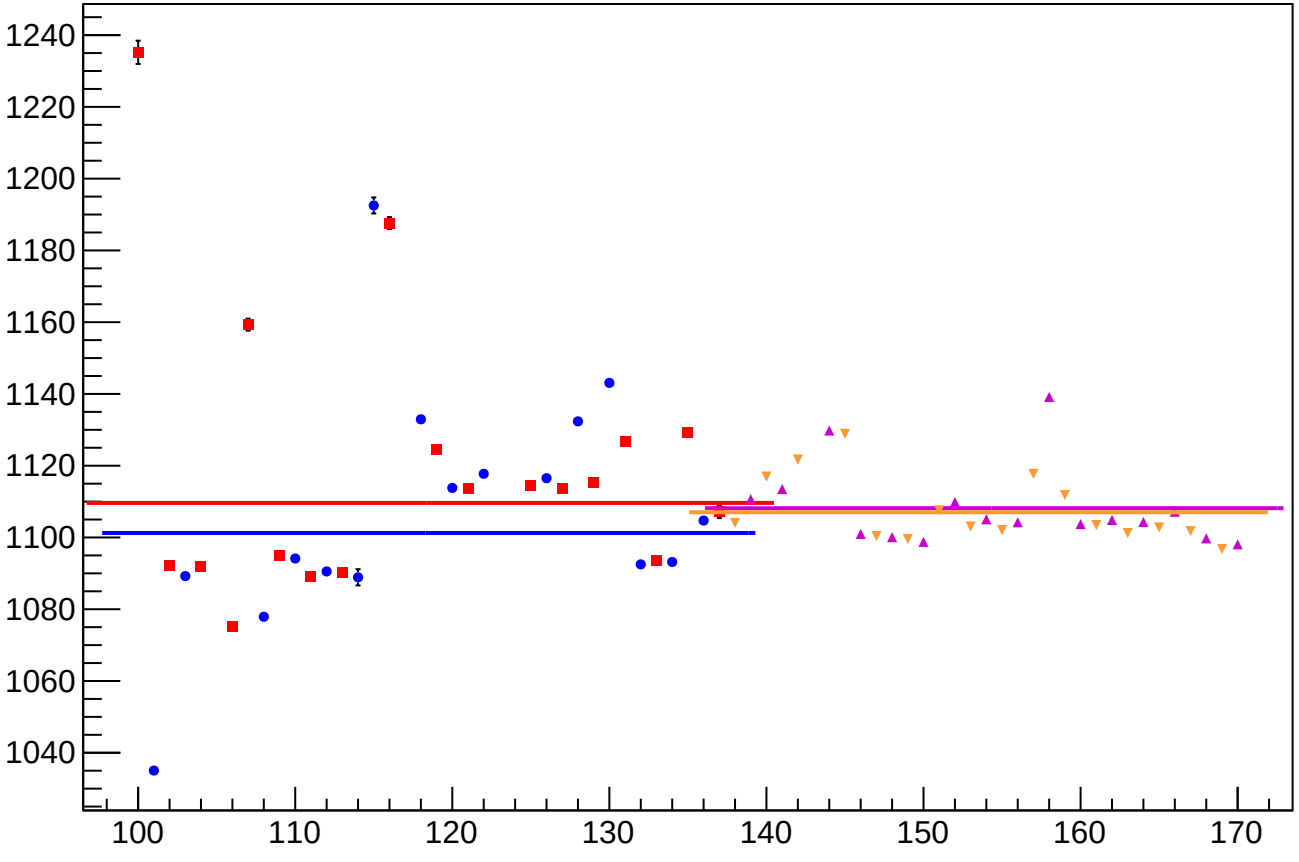
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1668.770+/-244.422 χ^2/NDF:21.2/31

Out: 1860.701+/-247.784 χ^2/NDF:26.0/33

All: 1763.424+/-174.009 χ^2/NDF: 47.5/65

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.031+/-0.220 χ^2/NDF:1541.8/15

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

Left In: 1108.158+/-0.216 χ^2/NDF:2649.6/15

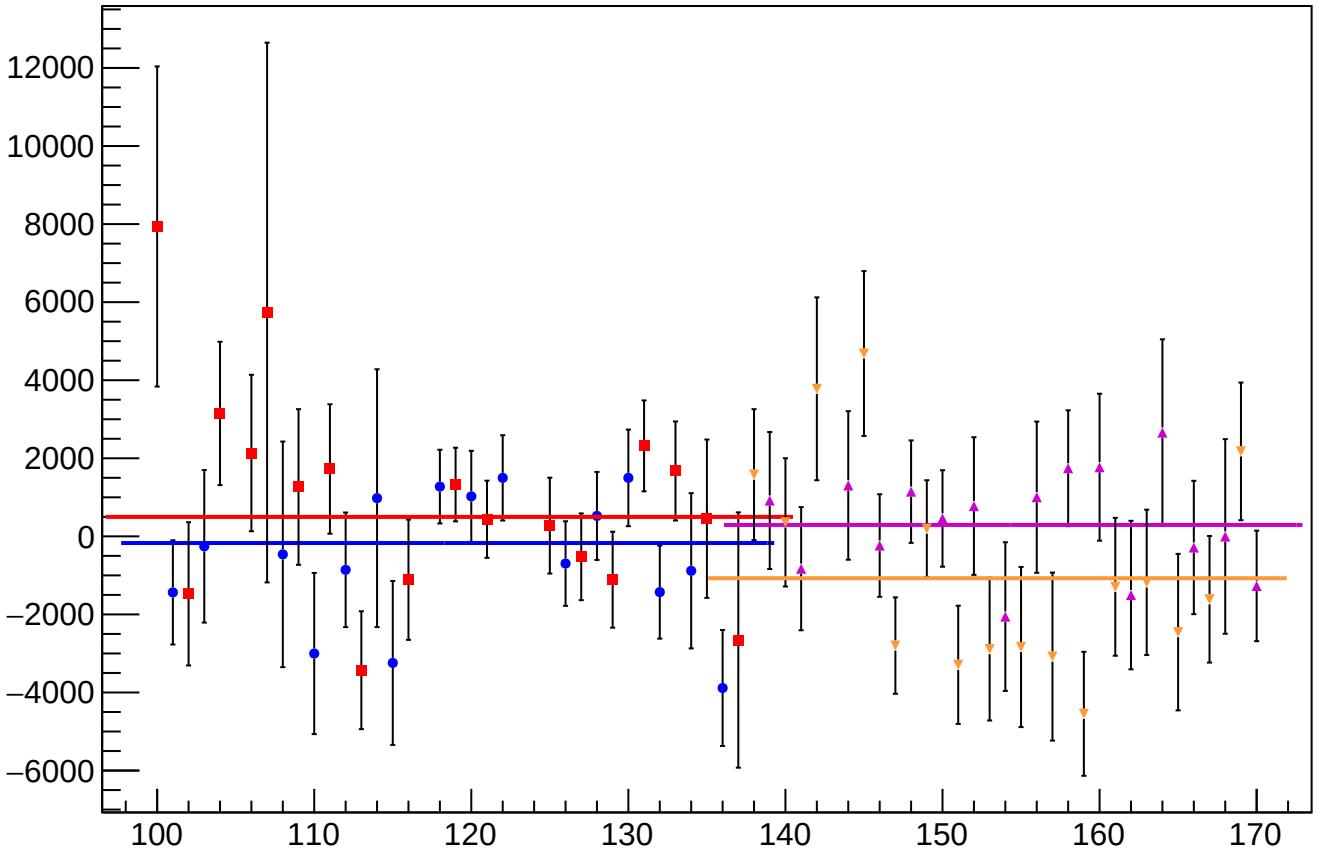
Left: 1107.607+/-0.154 χ^2/NDF: 4204.7/31

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

In: 1105.695+/-0.173 χ^2/NDF:14324.0/31

Out: 1107.985+/-0.175 χ^2/NDF:9265.9/33

All: 1106.824+/-0.123 χ^2/NDF: 23676.6/65



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

Left Out: -1072.854+/-423.230 χ^2/NDF:31.5/15

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

Left In: 292.183+/-412.753 χ^2/NDF:8.0/15

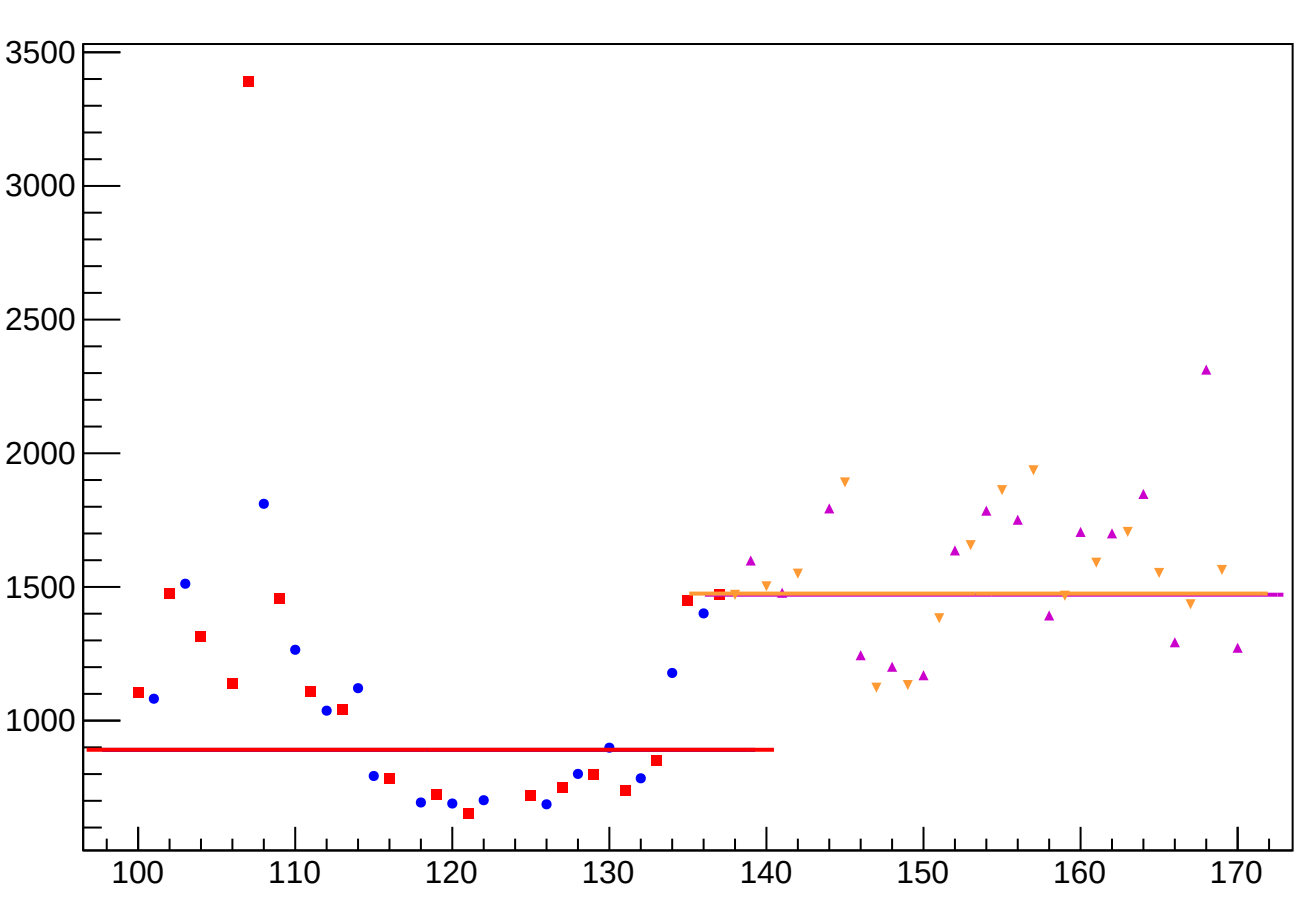
Left: -373.230+/-295.495 χ^2/NDF: 44.9/31

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

In: 20.183+/-265.150 χ^2/NDF:29.7/31

Out: -130.365+/-267.674 χ^2/NDF:63.7/33

All: -54.378+/-188.376 χ^2/NDF: 93.5/65



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

Left Out: 1475.178+/-0.299 χ^2/NDF:633286.4/15

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

Left In: 1470.987+/-0.292 χ^2/NDF:849220.0/15

Left: 1473.030+/-0.209 χ^2/NDF: 1482606.9/31

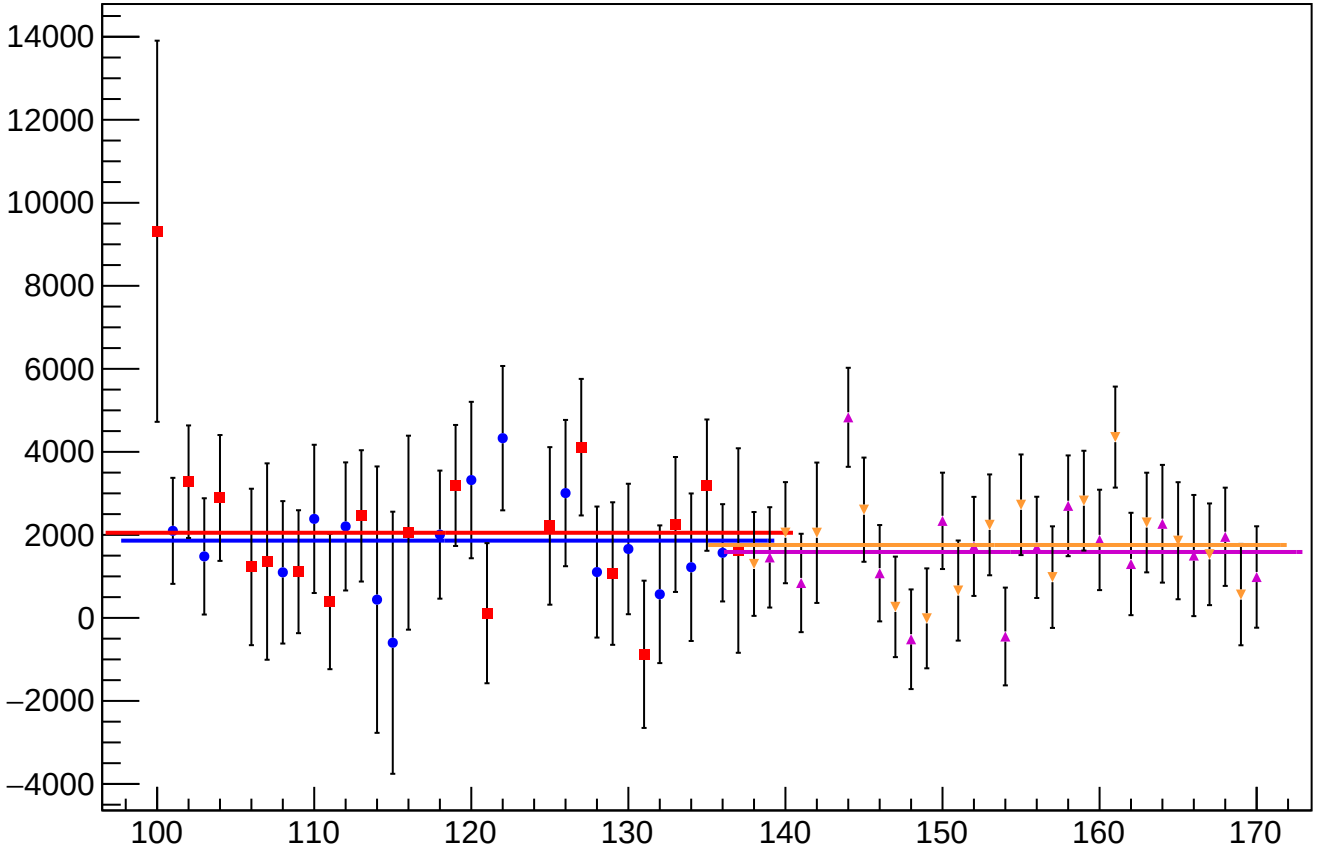
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1130.047+/-0.187 χ^2/NDF:4301363.4/31

Out: 1124.634+/-0.189 χ^2/NDF:4261799.5/33

All: 1127.366+/-0.133 χ^2/NDF: 8563575.8/65

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1756.575+/-311.809 χ^2/NDF:12.9/15

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

Left In: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1670.407+/-218.064 χ^2/NDF: 29.1/31

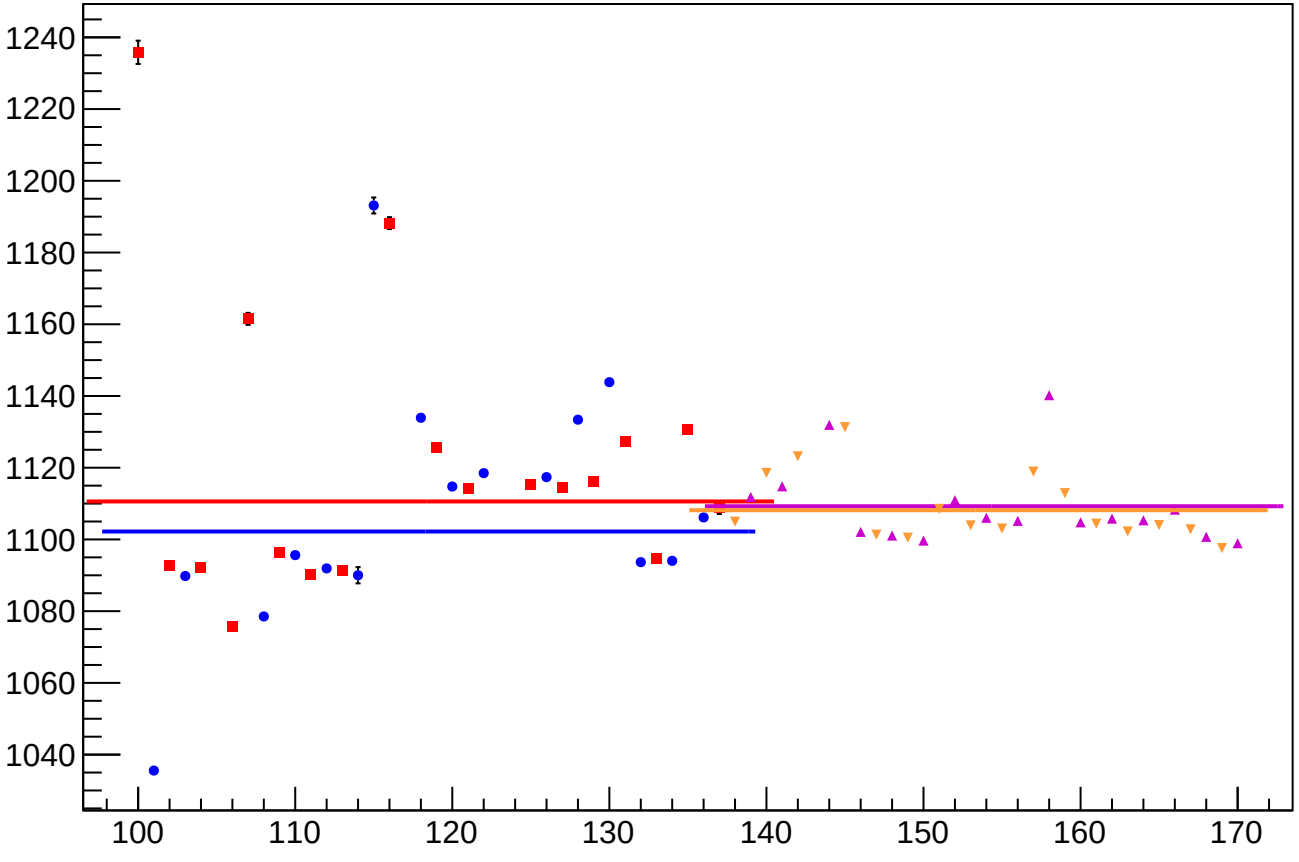
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

Out: 1864.656+/-248.023 χ^2/NDF:25.8/33

All: 1773.887+/-174.175 χ^2/NDF: 47.7/65

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.148+/-0.220 χ^2/NDF:1661.3/15

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

Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

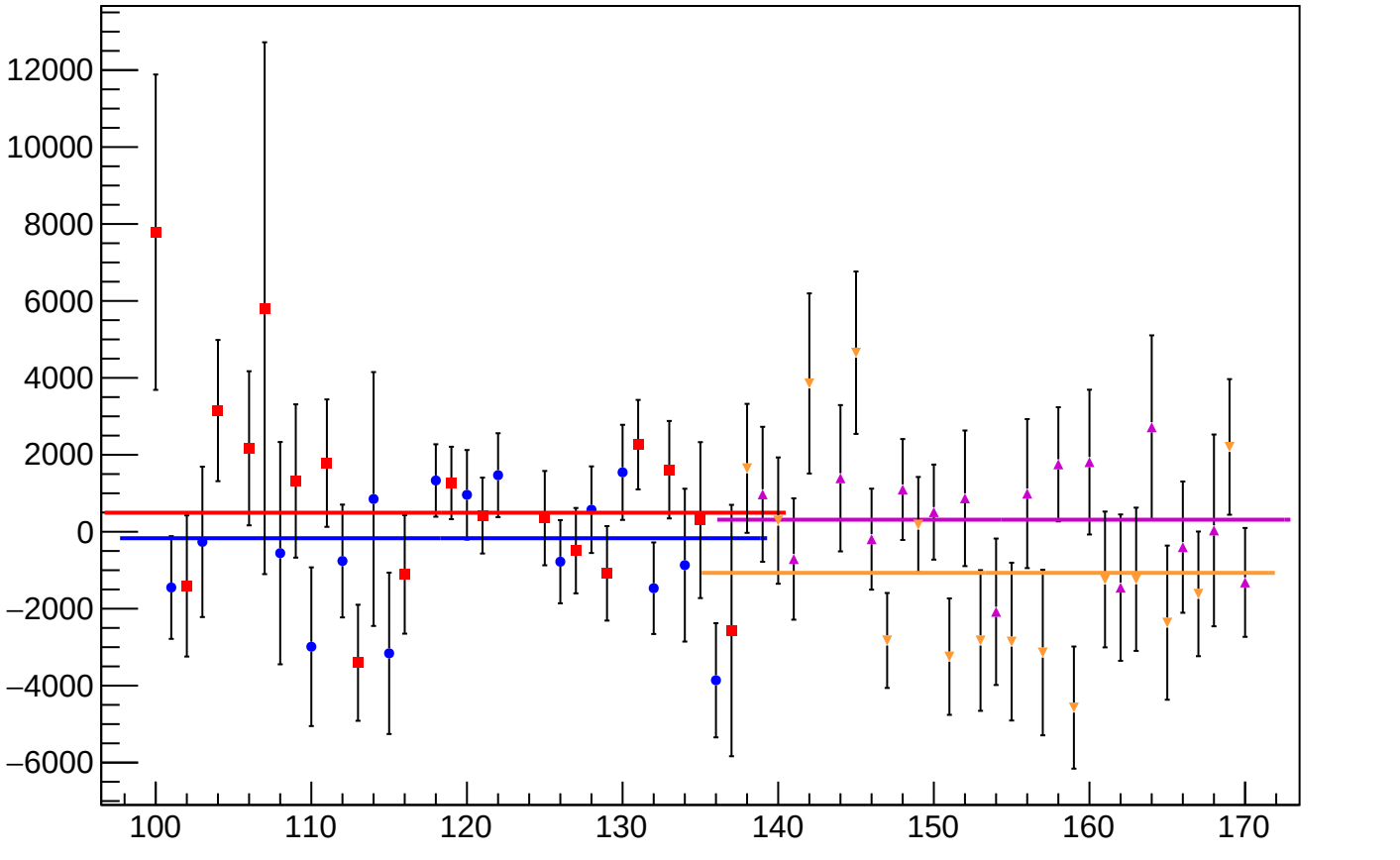
Left: 1108.715+/-0.154 χ^2/NDF: 4403.8/31

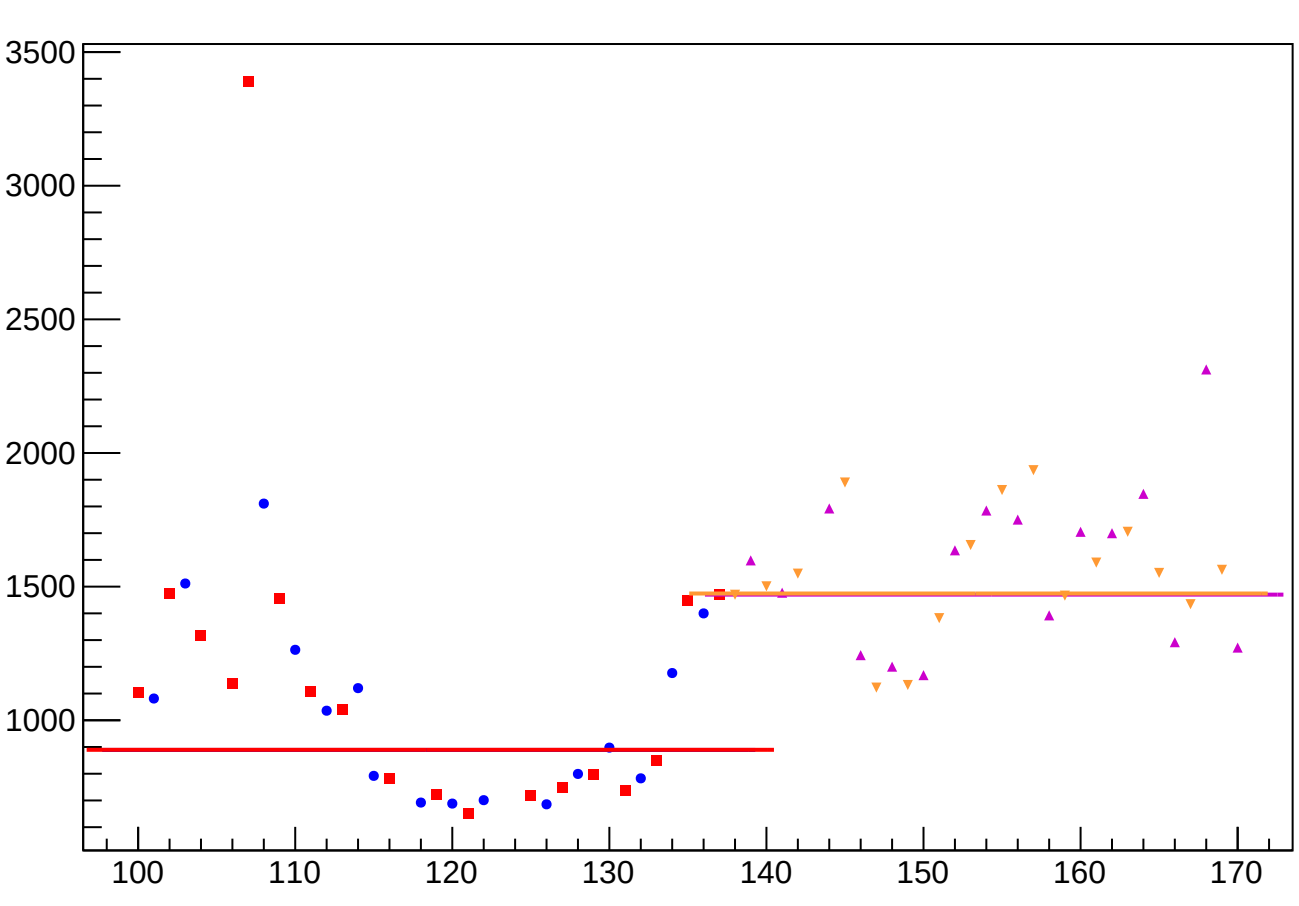
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

Out: 1109.046+/-0.175 χ^2/NDF:9402.4/33

All: 1107.878+/-0.123 χ^2/NDF: 23950.0/65


asym_usl_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1068.715+/-422.984 χ²/NDF:31.7/15
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 313.565+/-412.509 χ²/NDF:8.2/15
Left: -360.248+/-295.322 χ²/NDF: 45.3/31
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 30.566+/-264.843 χ²/NDF:30.0/31
Out: -129.708+/-267.374 χ²/NDF:63.2/33
All: -48.809+/-188.161 χ²/NDF: 93.4/65



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

Left Out: 1474.275+/-0.299 χ^2/NDF:634290.1/15

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

Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1472.122+/-0.209 χ^2/NDF: 1484910.0/31

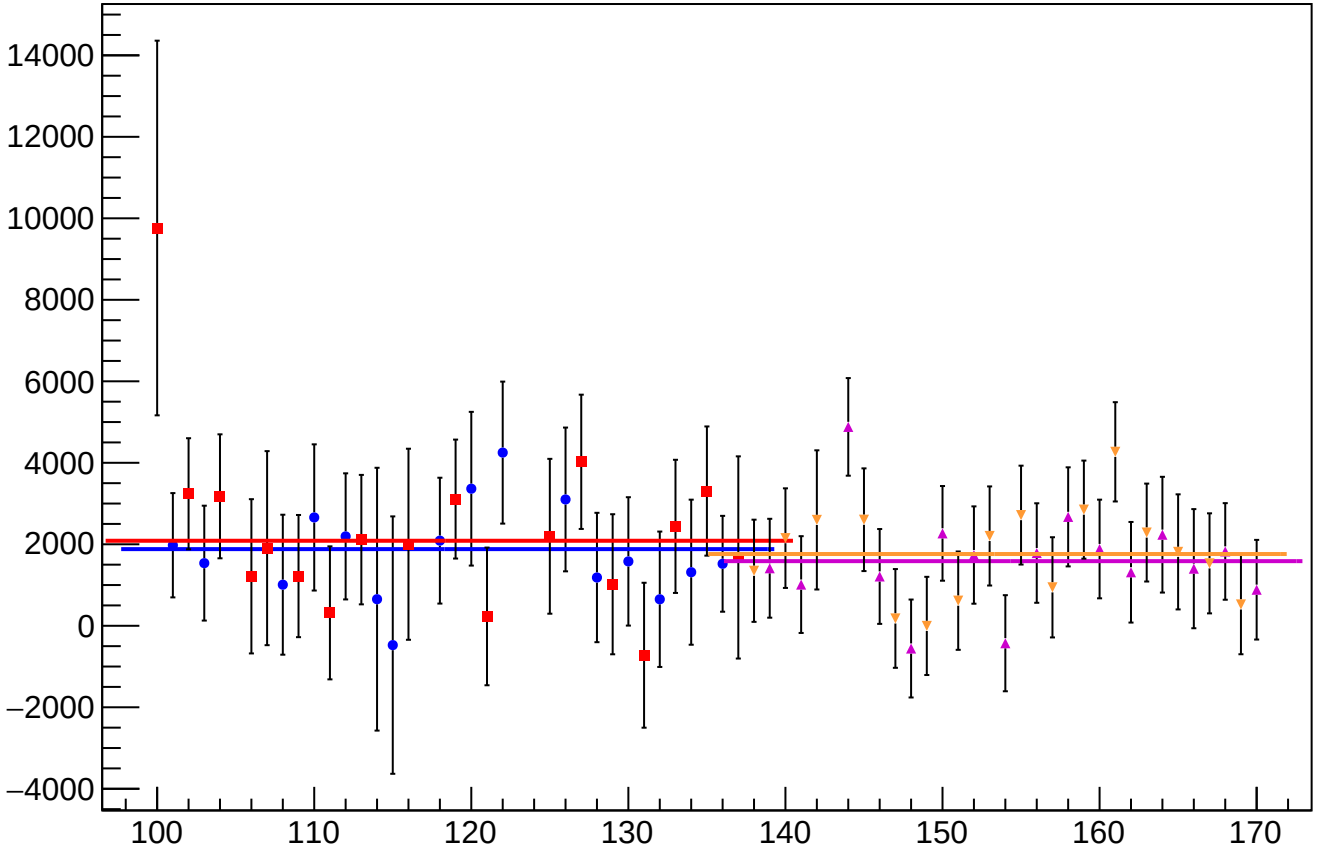
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

Out: 1123.144+/-0.189 χ^2/NDF:4275432.4/33

All: 1125.844+/-0.133 χ^2/NDF: 8592145.8/65

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1761.192+/-312.465 χ^2/NDF:13.1/15

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1586.352+/-305.615 χ^2/NDF:15.9/15

Left: 1671.834+/-218.484 χ^2/NDF: 29.2/31

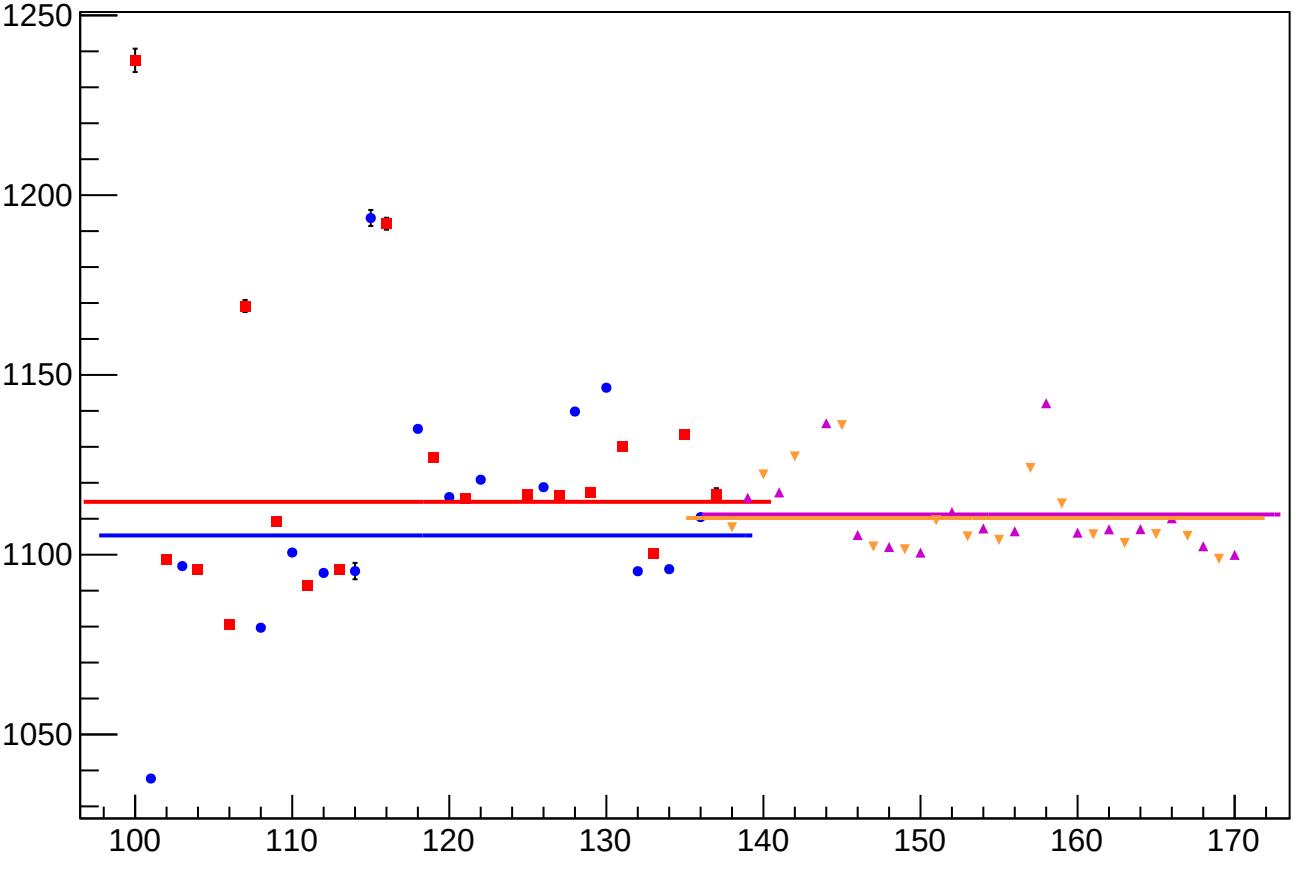
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1691.548+/-245.181 χ^2/NDF:21.4/31

Out: 1880.567+/-248.695 χ^2/NDF:25.9/33

All: 1784.713+/-174.598 χ^2/NDF: 47.7/65

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1110.219+/-0.221 χ^2/NDF:2121.8/15

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.183+/-0.216 χ^2/NDF:3011.3/15

Left: 1110.712+/-0.154 χ^2/NDF: 5142.8/31

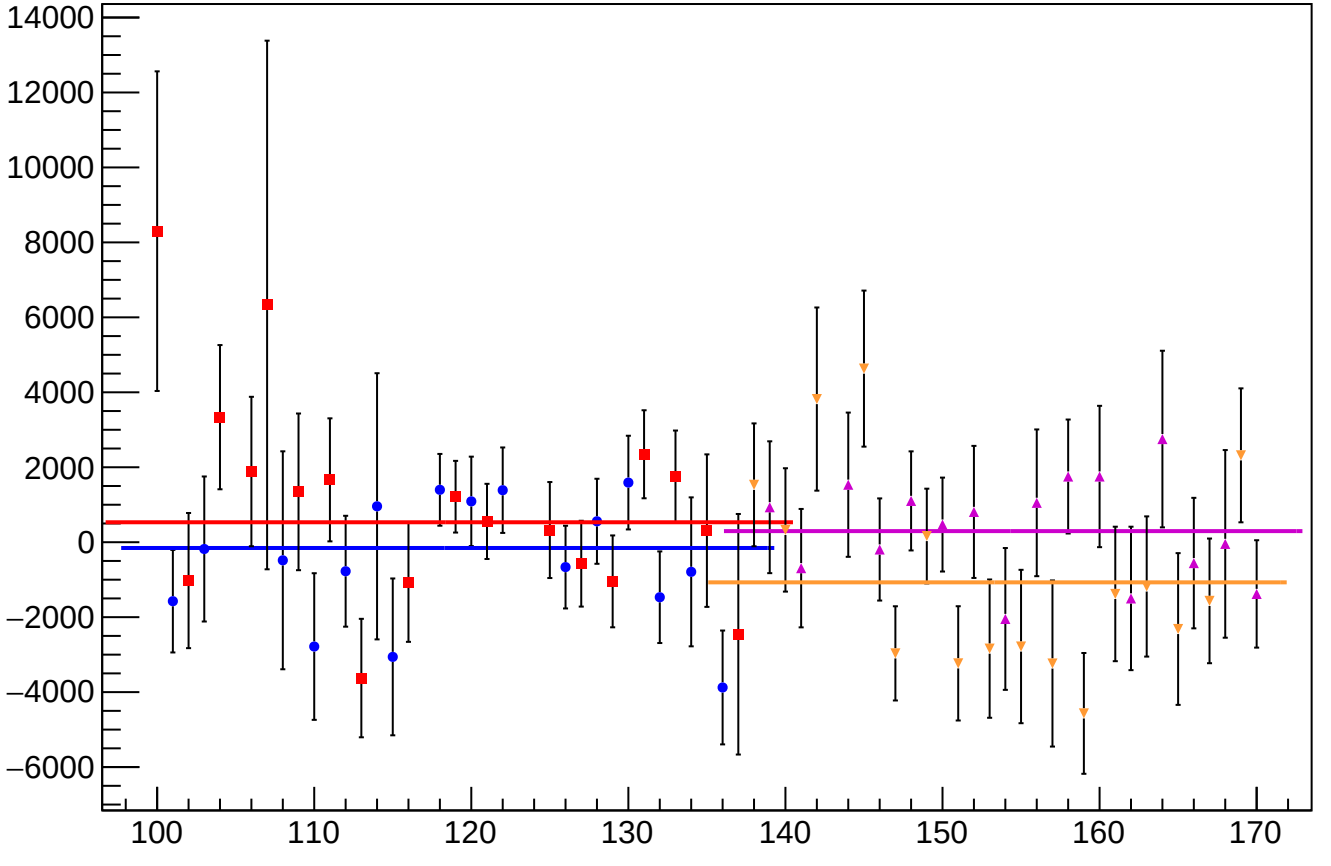
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1109.106+/-0.173 χ^2/NDF:14601.4/31

Out: 1111.863+/-0.176 χ^2/NDF:9603.1/33

All: 1110.465+/-0.123 χ^2/NDF: 24329.2/65

asym_usl_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -1071.116+/-427.764 χ^2/NDF:31.4/15

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 296.140+/-417.121 χ^2/NDF:8.3/15

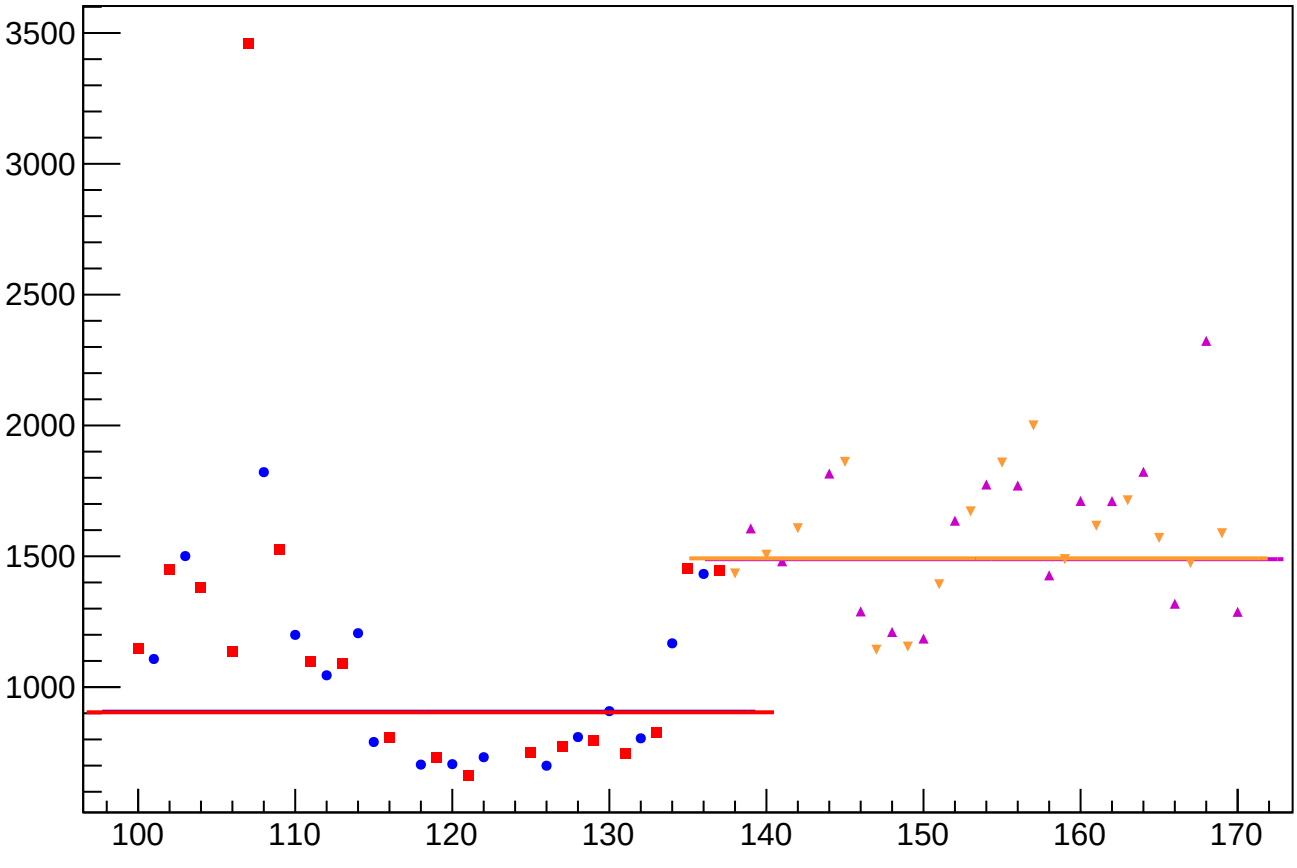
Left: -370.268+/-298.641 χ^2/NDF: 44.9/31

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

In: 32.804+/-268.708 χ^2/NDF:29.5/31

Out: -111.662+/-271.070 χ^2/NDF:63.0/33

All: -38.797+/-190.835 χ^2/NDF: 92.6/65



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1492.093+/-0.302 χ^2/NDF:609926.2/15

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1488.919+/-0.295 χ^2/NDF:795437.9/15

Left: 1490.466+/-0.211 χ^2/NDF: 1405420.6/31

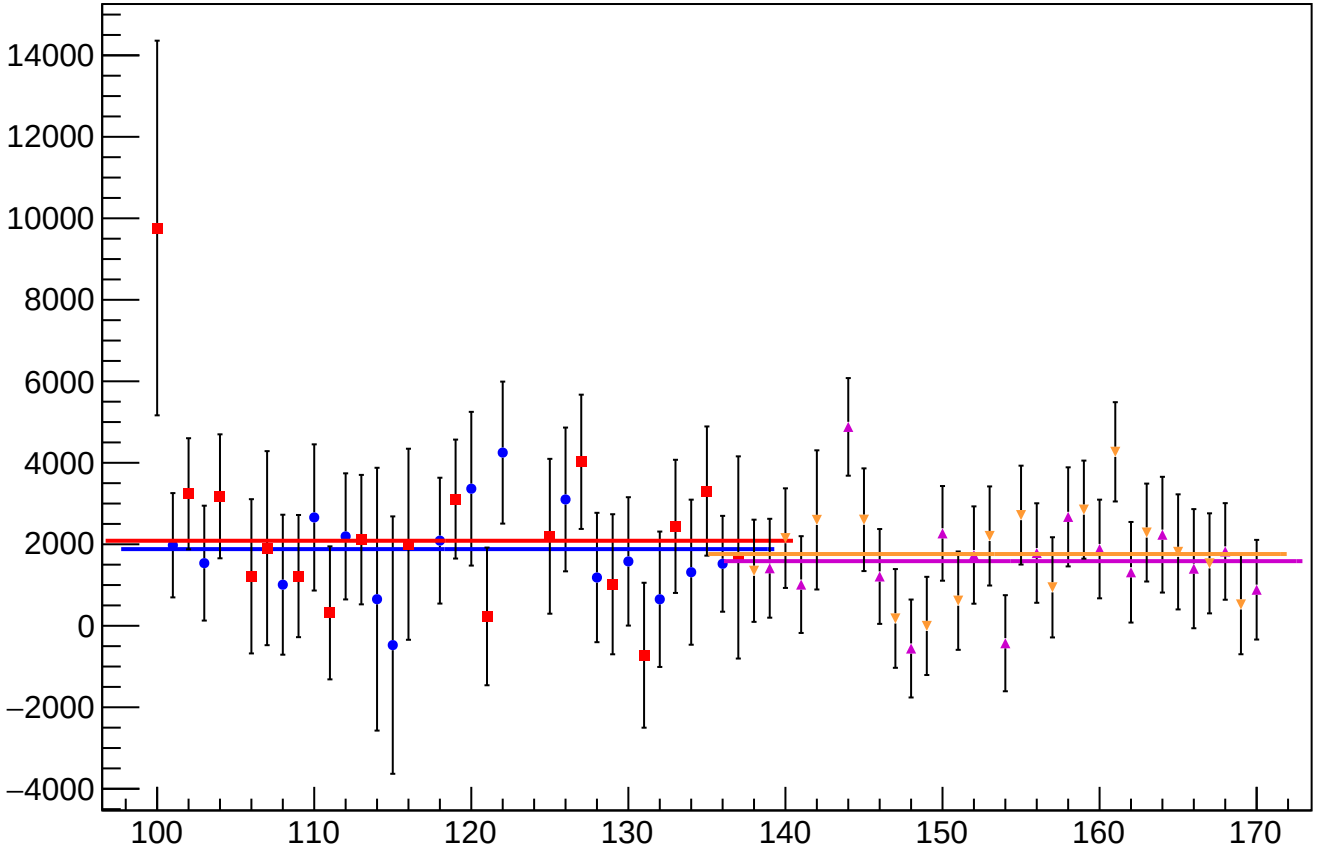
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1147.927+/-0.190 χ^2/NDF:4159589.5/31

Out: 1140.009+/-0.192 χ^2/NDF:4214007.2/33

All: 1144.003+/-0.135 χ^2/NDF: 8374457.4/65

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1761.187+/-312.465 χ^2/NDF:13.1/15

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1586.354+/-305.615 χ^2/NDF:15.9/15

Left: 1671.833+/-218.484 χ^2/NDF: 29.2/31

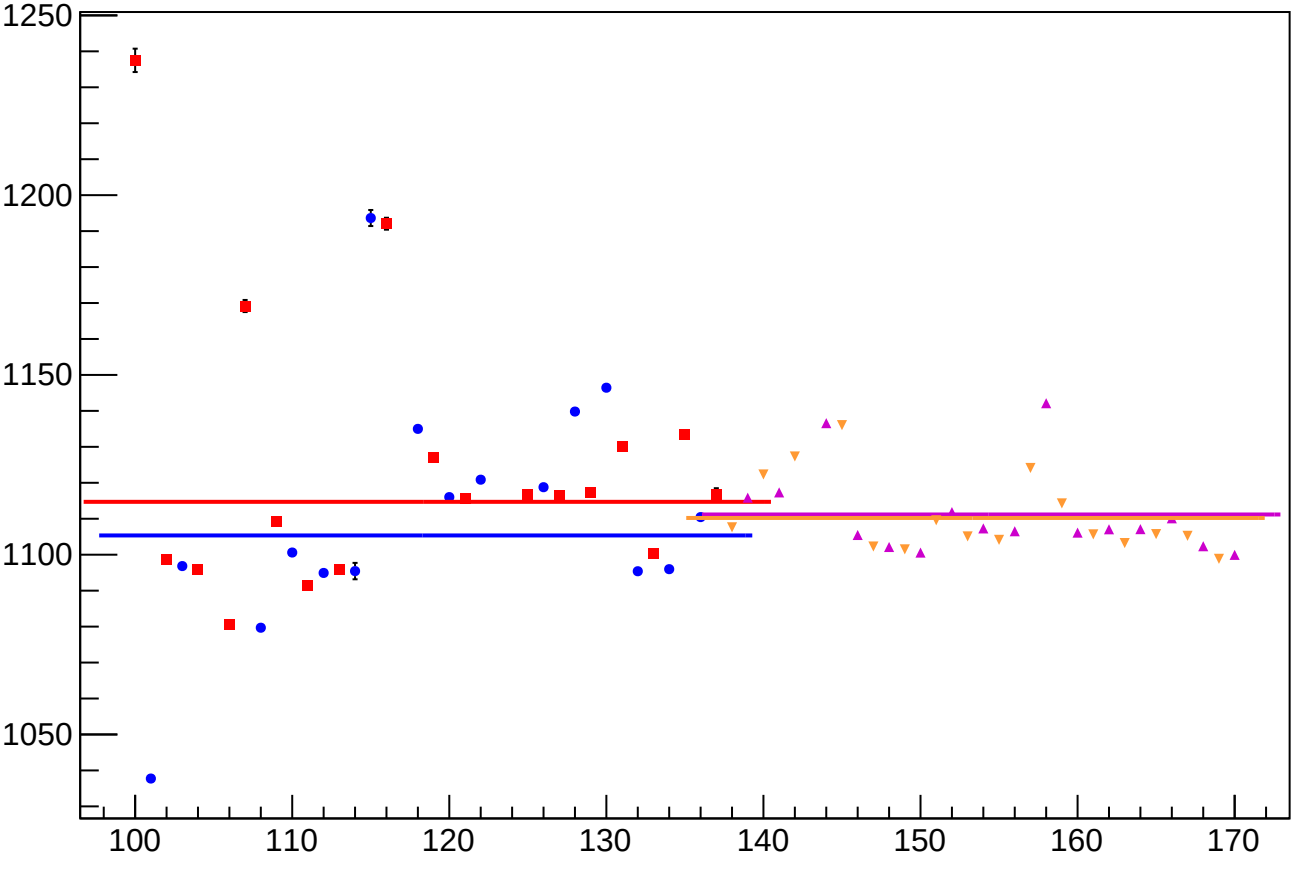
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1691.549+/-245.181 χ^2/NDF:21.4/31

Out: 1880.563+/-248.695 χ^2/NDF:25.9/33

All: 1784.711+/-174.598 χ^2/NDF: 47.7/65

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1110.219+/-0.221 χ^2/NDF:2121.8/15

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1111.183+/-0.216 χ^2/NDF:3011.3/15

Left: 1110.712+/-0.154 χ^2/NDF: 5142.8/31

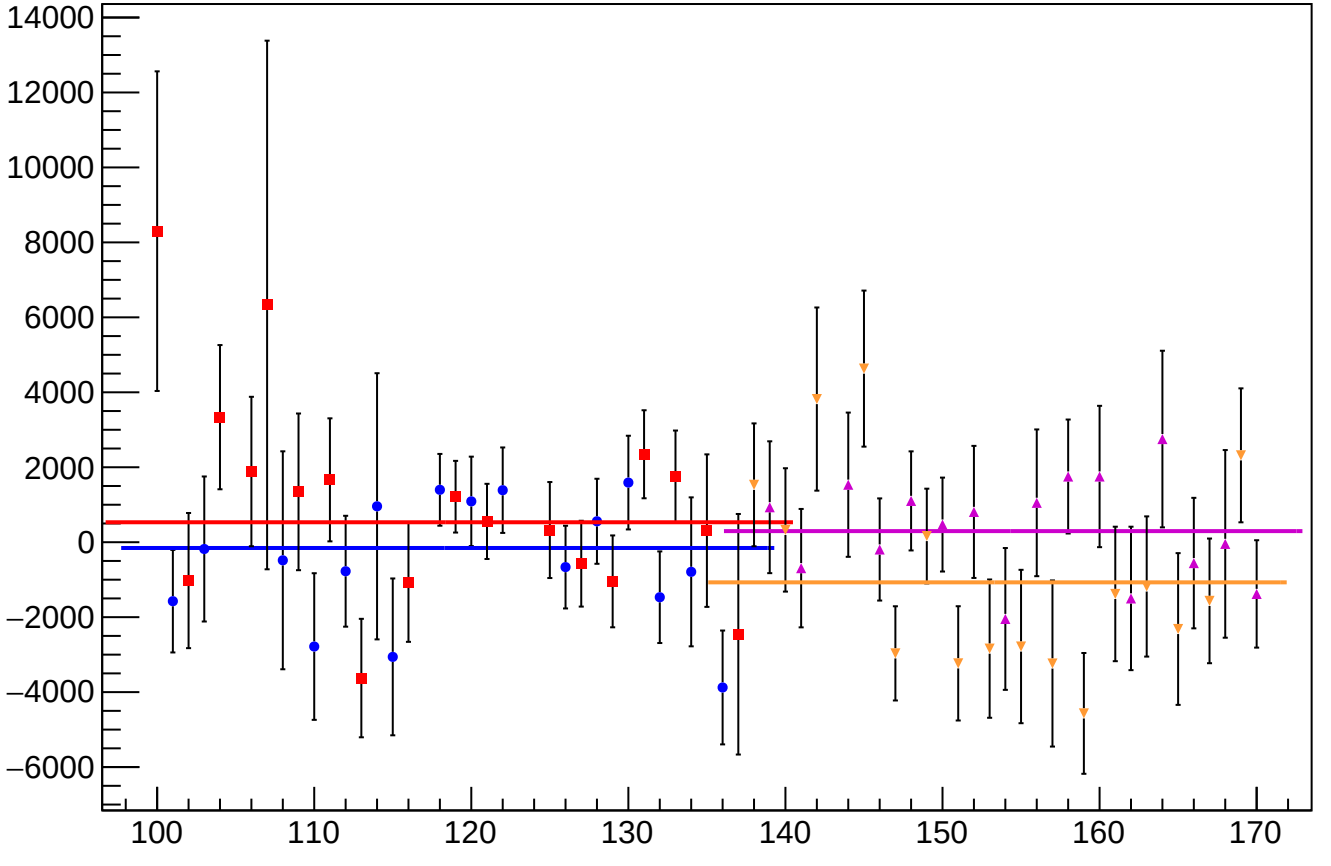
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.106+/-0.173 χ^2/NDF:14601.5/31

Out: 1111.863+/-0.176 χ^2/NDF:9603.1/33

All: 1110.465+/-0.123 χ^2/NDF: 24329.2/65

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -1071.121+/-427.764 χ^2/NDF:31.4/15

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 296.141+/-417.121 χ^2/NDF:8.3/15

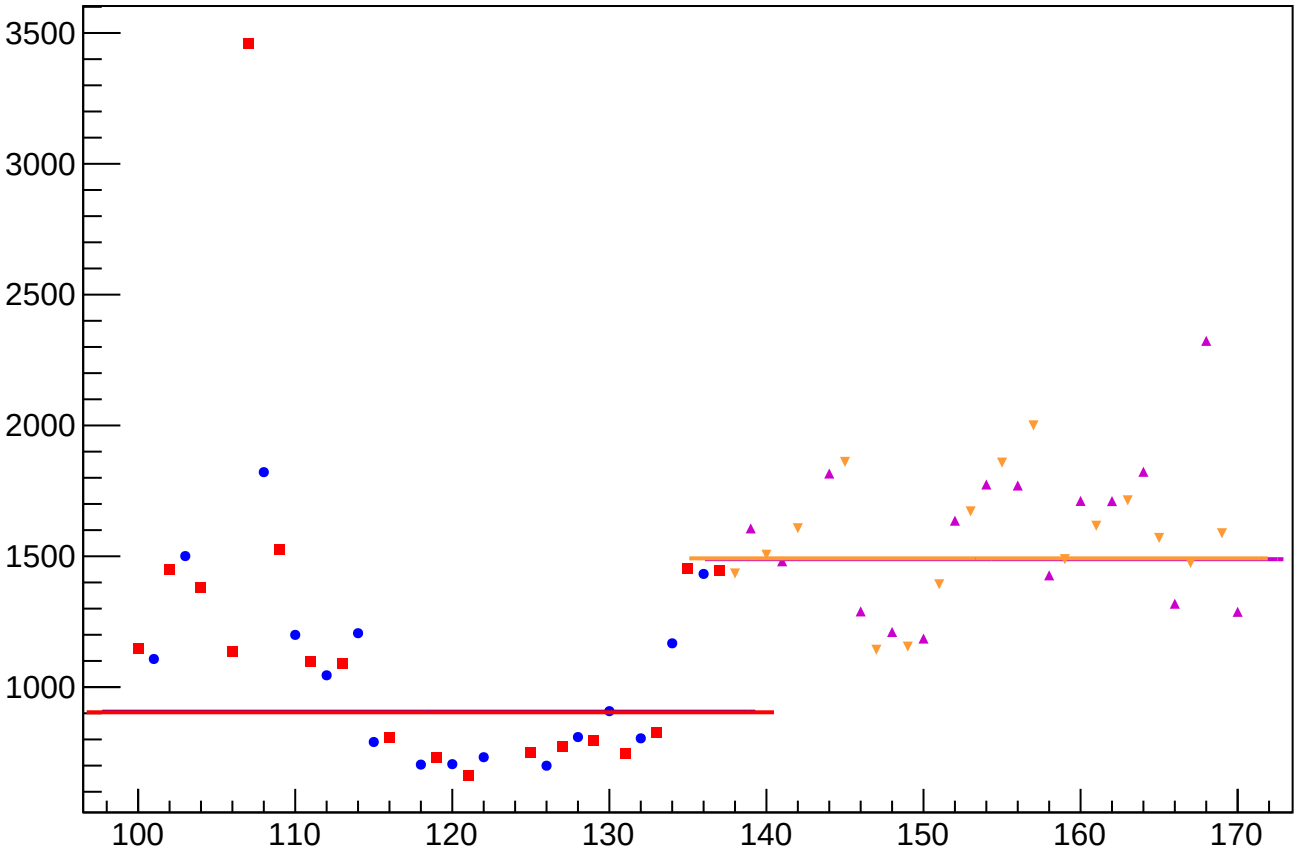
Left: -370.270+/-298.641 χ^2/NDF: 44.9/31

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

In: 32.805+/-268.708 χ^2/NDF:29.5/31

Out: -111.661+/-271.070 χ^2/NDF:63.0/33

All: -38.796+/-190.835 χ^2/NDF: 92.6/65



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

Left Out: 1492.094+/-0.302 χ^2/NDF:609922.6/15

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

Left In: 1488.921+/-0.295 χ^2/NDF:795434.7/15

Left: 1490.468+/-0.211 χ^2/NDF: 1405413.8/31

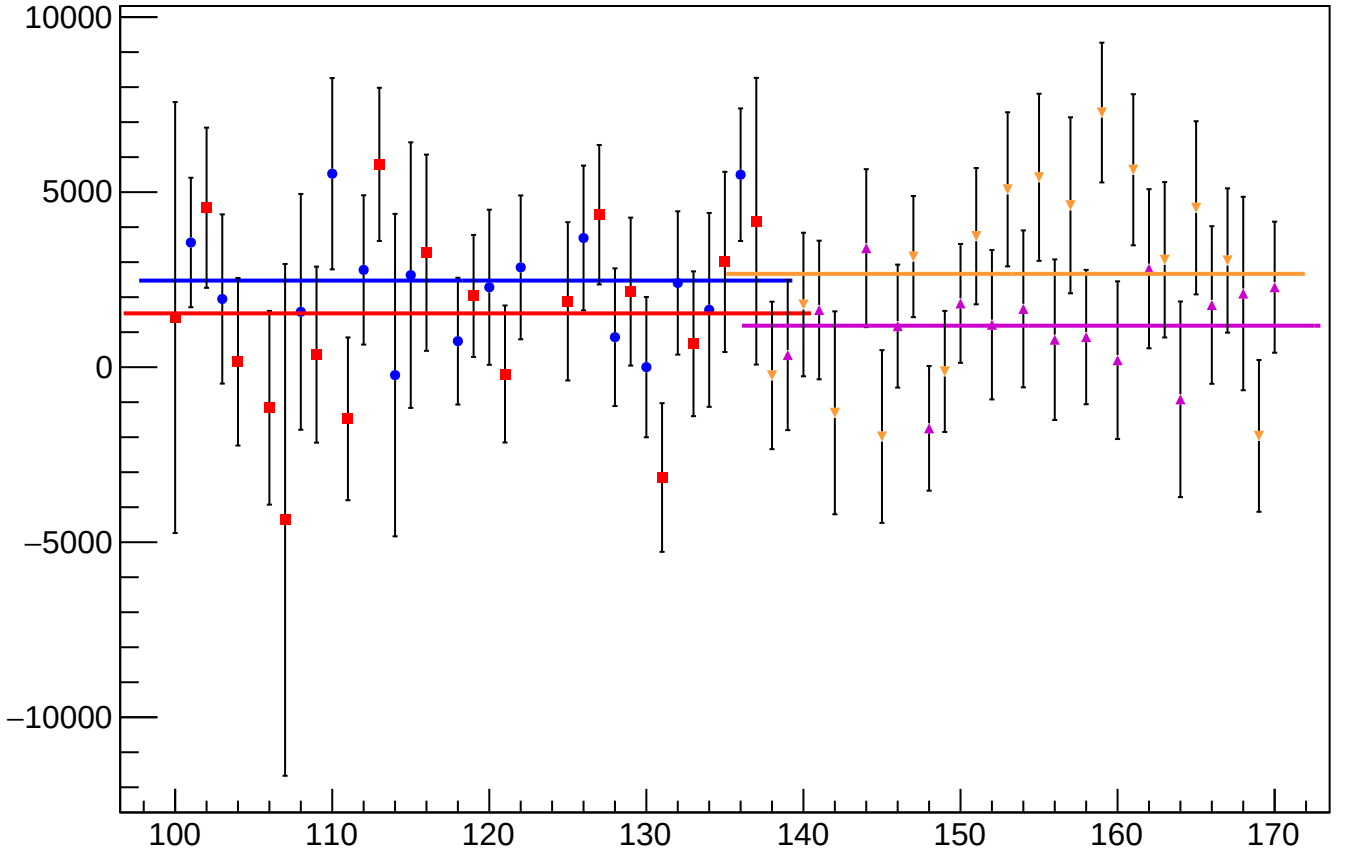
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1147.926+/-0.190 χ^2/NDF:4159619.8/31

Out: 1140.008+/-0.192 χ^2/NDF:4214037.8/33

All: 1144.002+/-0.135 χ^2/NDF: 8374518.4/65

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2666.418+/-534.584 χ^2/NDF:26.1/15

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1185.533+/-522.137 χ^2/NDF:5.9/15

Left: 1908.535+/-373.529 χ^2/NDF: 35.9/31

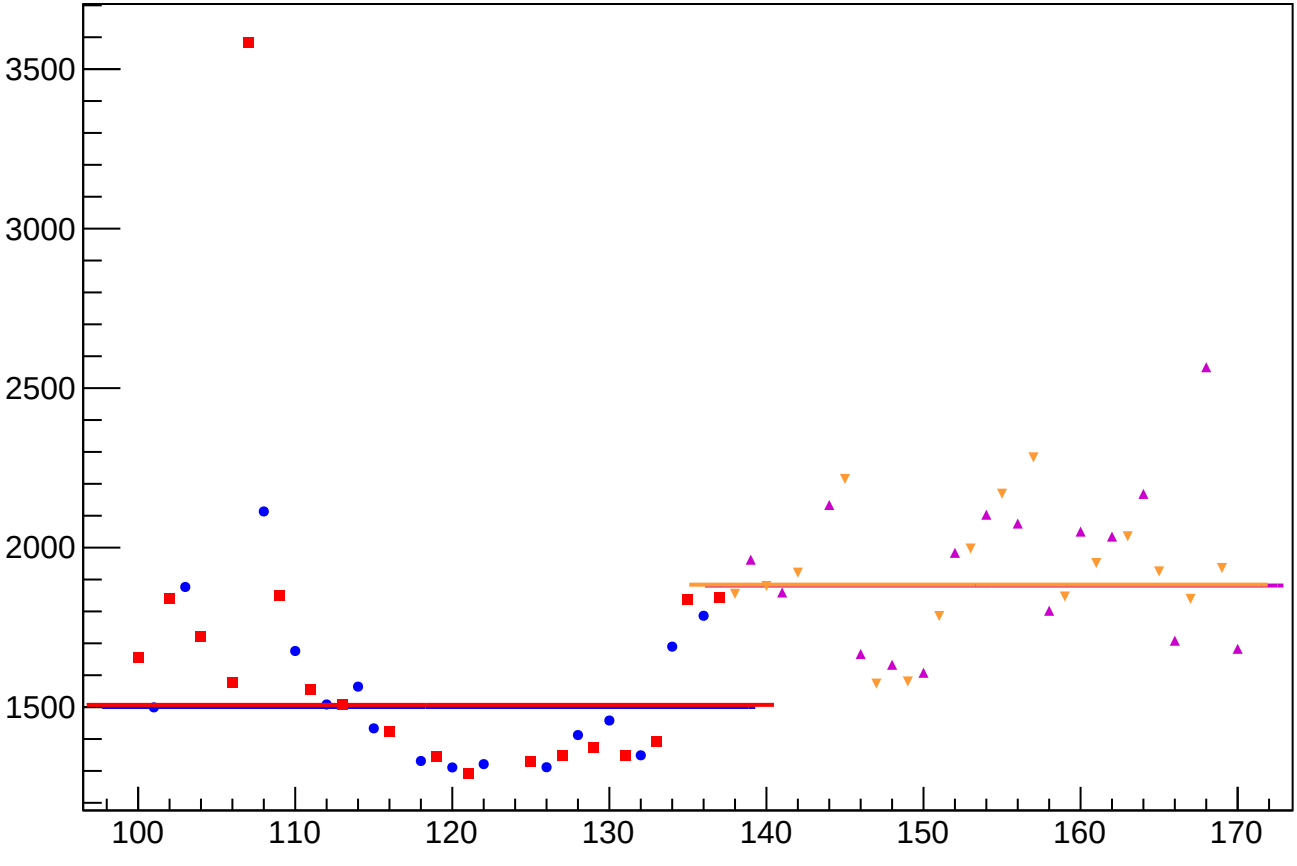
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1781.578+/-382.774 χ^2/NDF:17.0/31

Out: 2131.692+/-387.846 χ^2/NDF:46.7/33

All: 1954.331+/-272.438 χ^2/NDF: 64.1/65

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1883.949+/-0.378 χ^2/NDF:266701.2/15

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1881.175+/-0.369 χ^2/NDF:389237.3/15

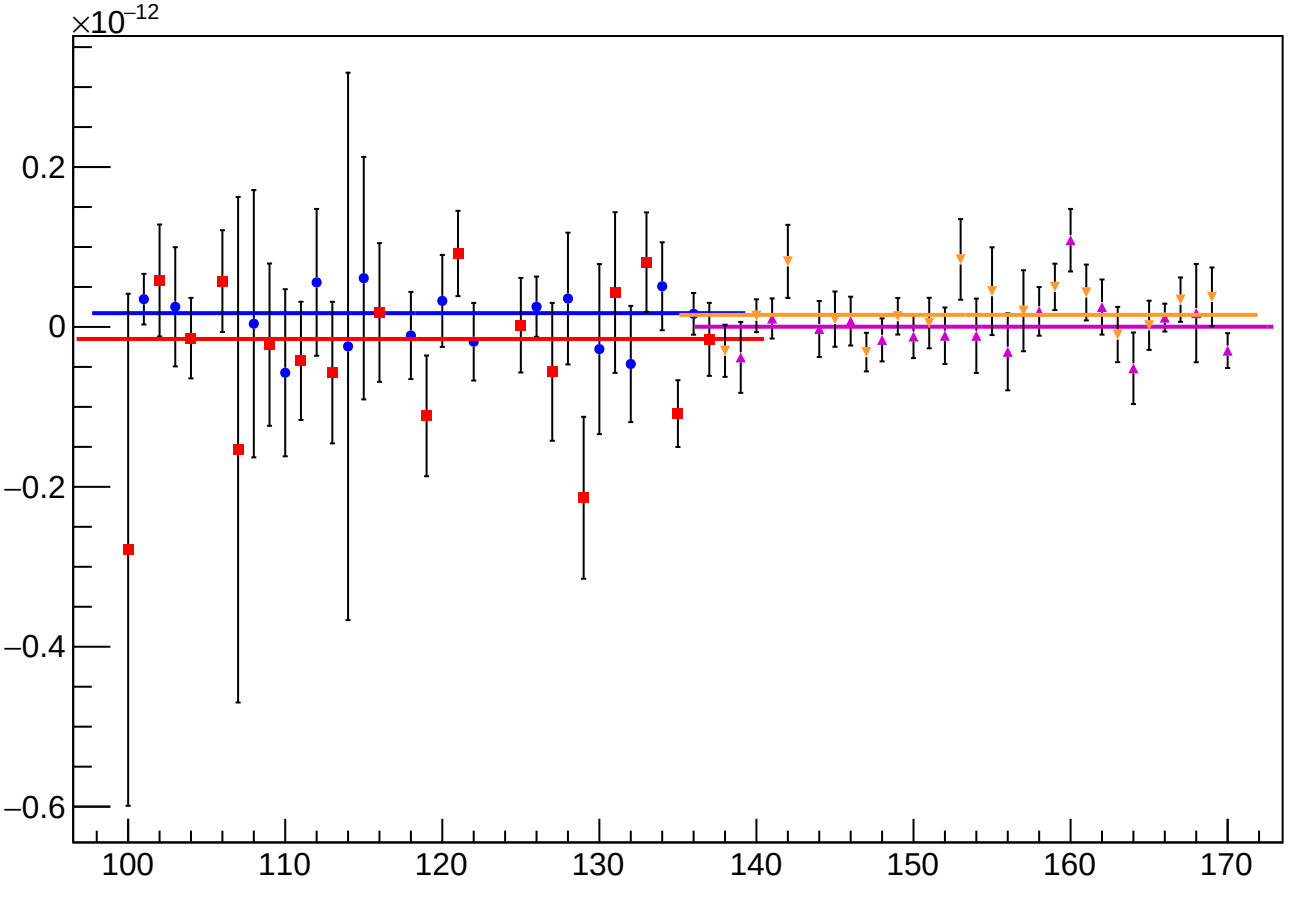
Left: 1882.529+/-0.264 χ^2/NDF: 655966.0/31

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

In: 1705.027+/-0.271 χ^2/NDF:1140108.2/31

Out: 1705.459+/-0.274 χ^2/NDF:1138668.9/33

All: 1705.240+/-0.193 χ^2/NDF: 2278778.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/15

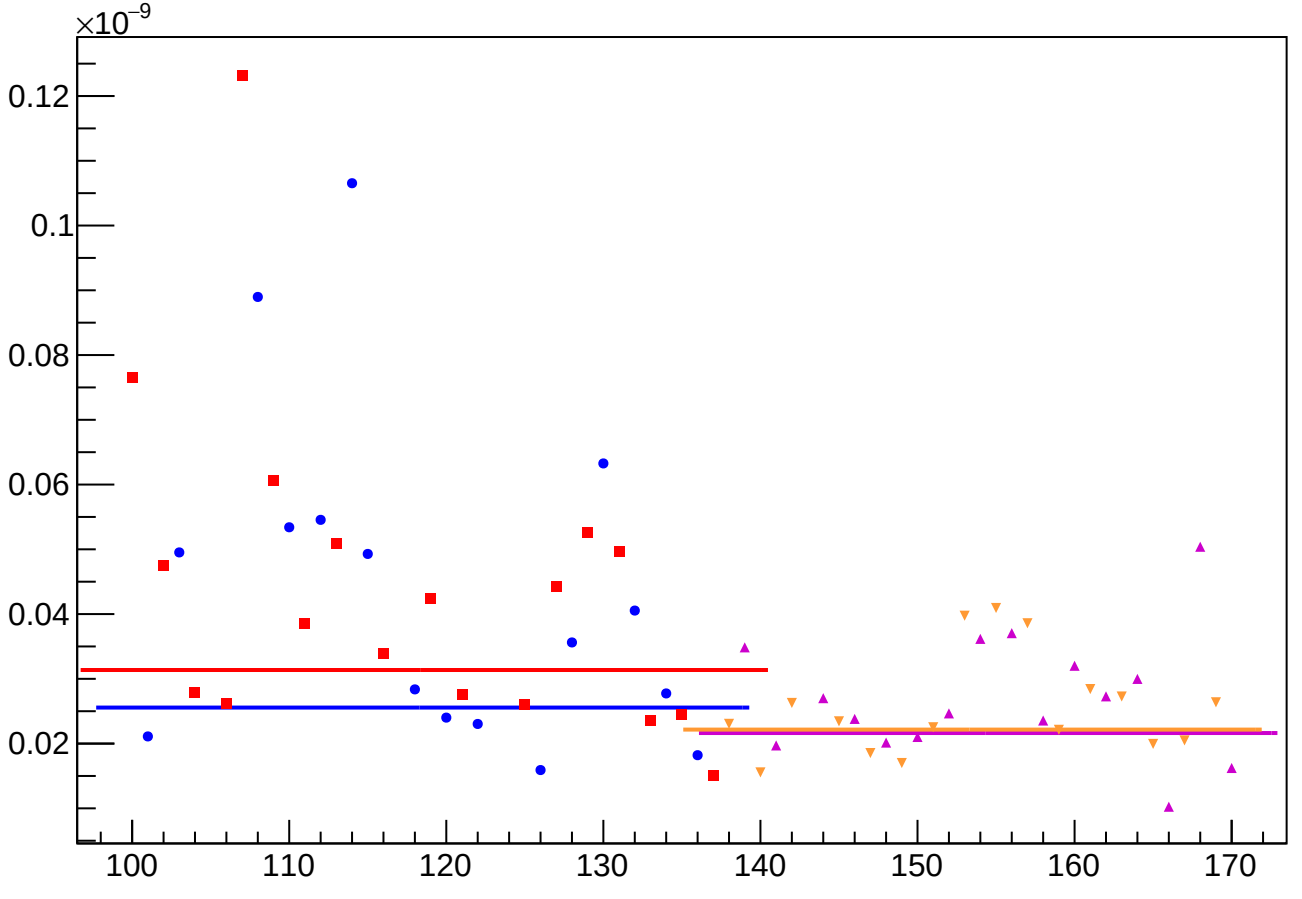
Left: 0.000+/-0.000 χ^2/NDF: 30.0/31

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:19.0/31

Out: 0.000+/-0.000 χ^2/NDF:37.8/33

All: 0.000+/-0.000 χ^2/NDF: 57.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1213751.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2355660.1/15

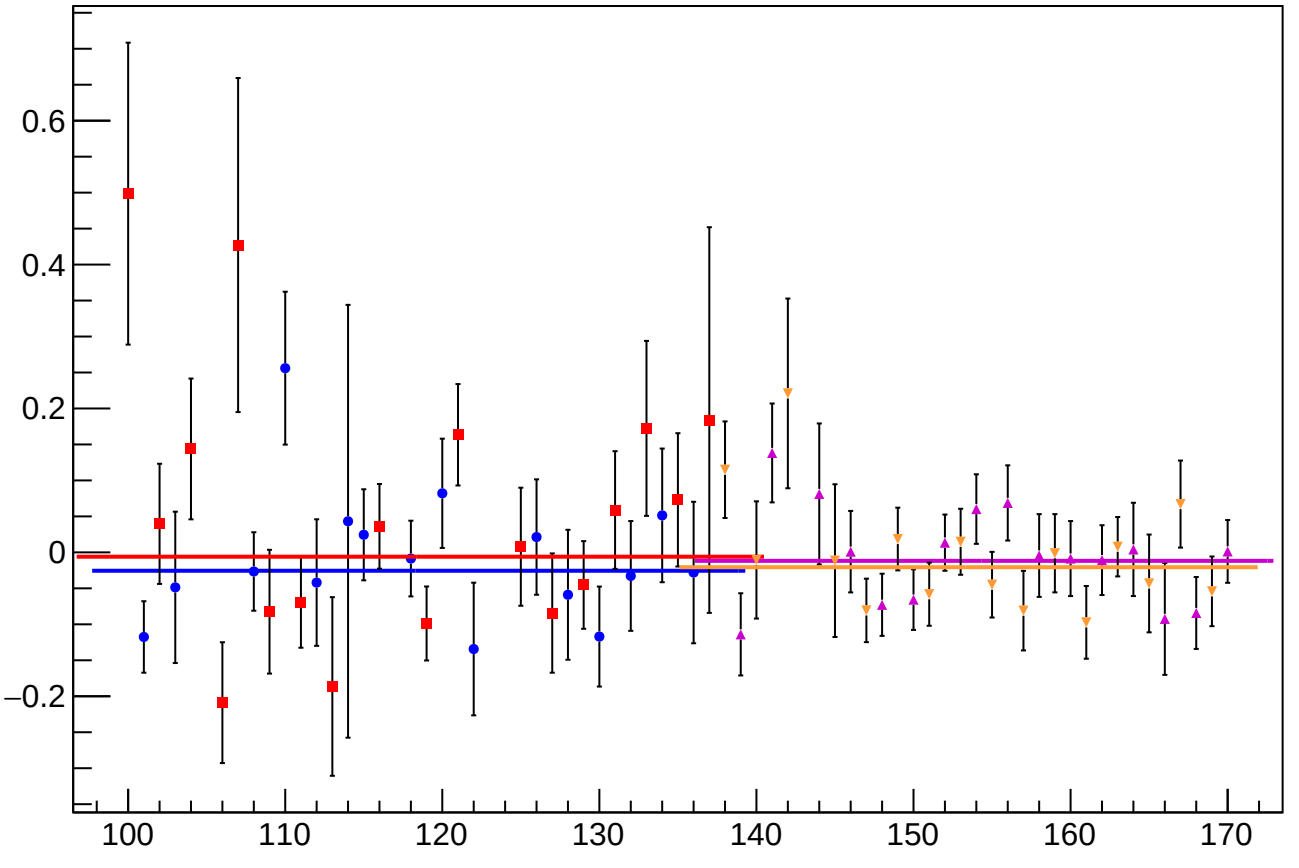
Left: 0.000+/-0.000 χ^2/NDF: 3574129.5/31

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

In: 0.000+/-0.000 χ^2/NDF:4191725.2/31

Out: 0.000+/-0.000 χ^2/NDF:2970436.9/33

All: 0.000+/-0.000 χ^2/NDF: 7200572.8/65



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.021+/-0.013 χ^2/NDF:18.5/15

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.012+/-0.013 χ^2/NDF:20.9/15

Left: -0.016+/-0.009 χ^2/NDF: 39.6/31

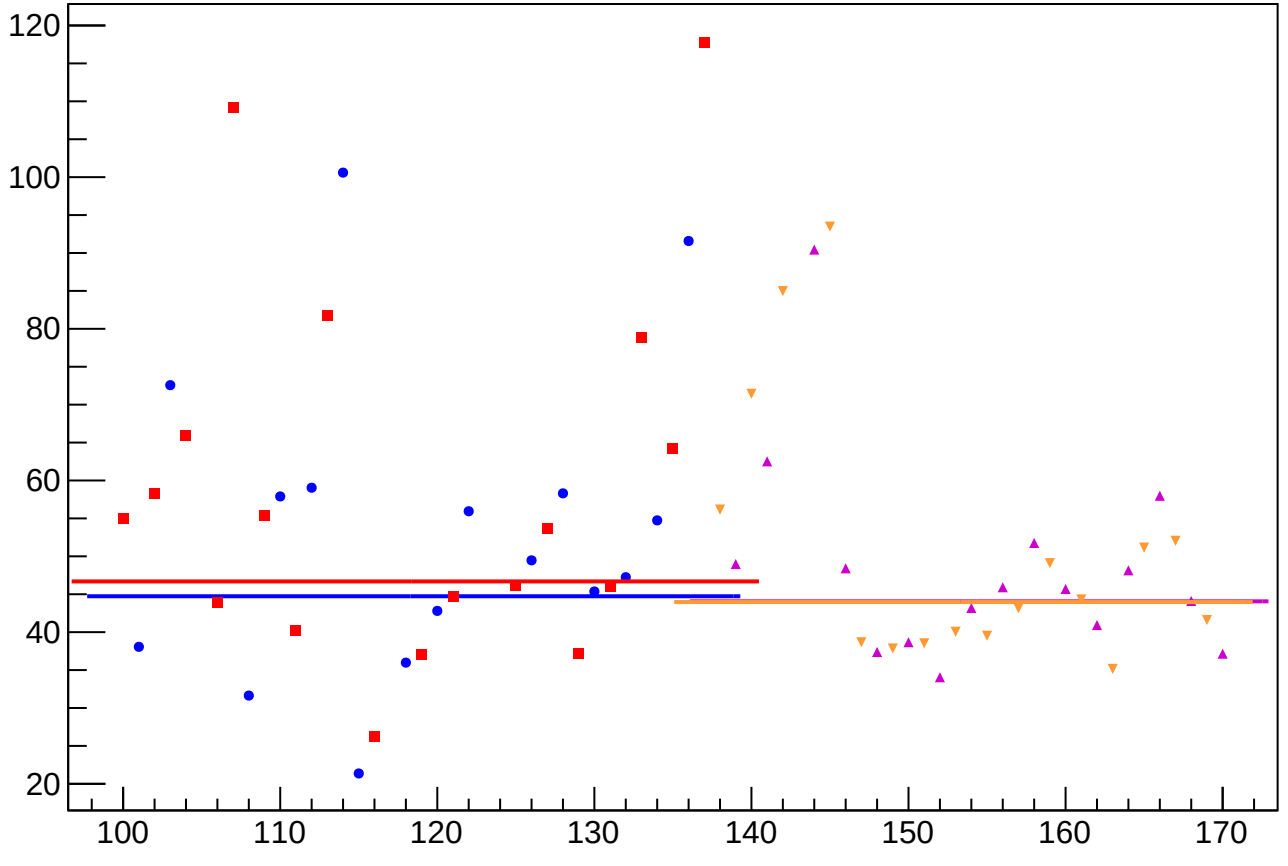
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.016+/-0.011 χ^2/NDF:55.4/33

All: -0.016+/-0.008 χ^2/NDF: 94.3/65

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: 43.969+/-0.009 χ^2/NDF:1226671.6/15

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

Left In: 44.064+/-0.009 χ^2/NDF:1002391.5/15

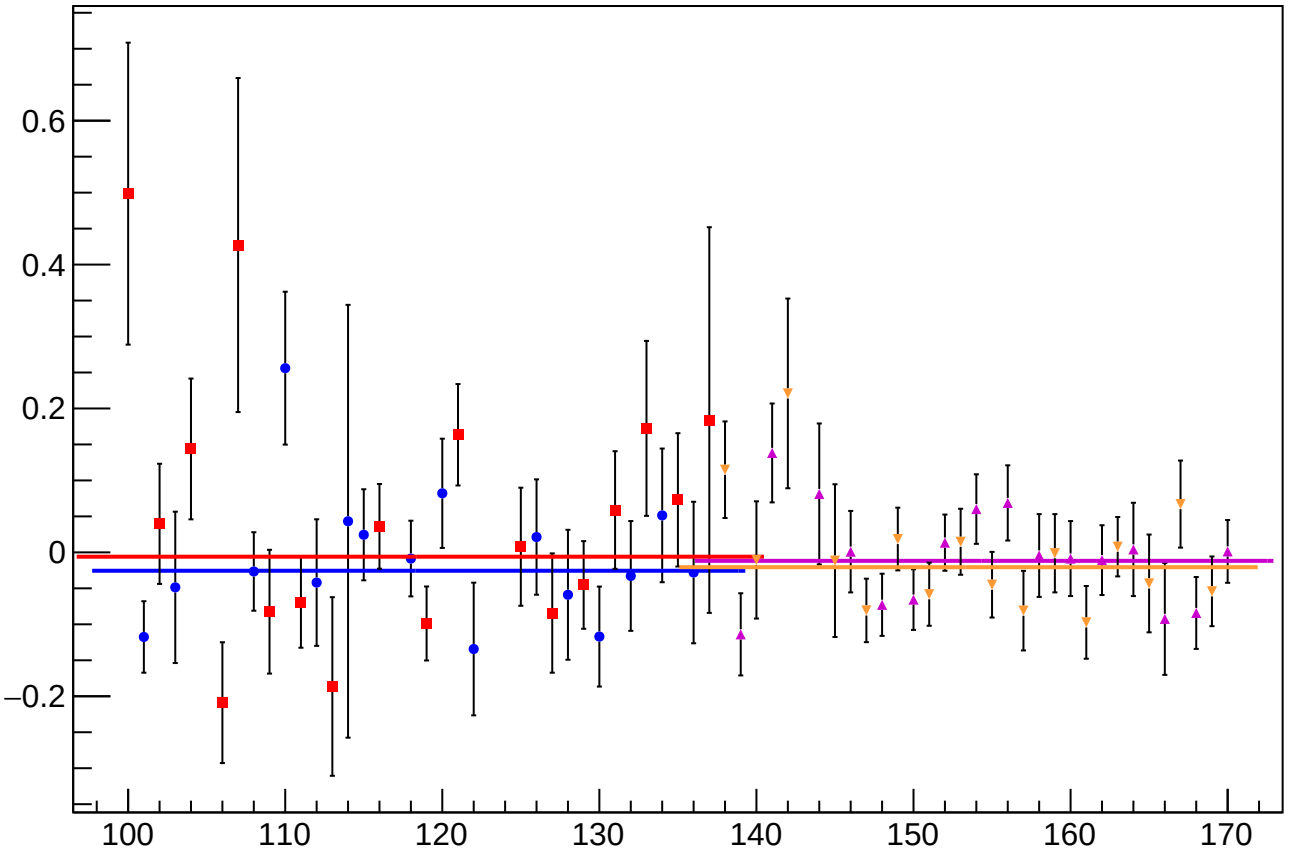
Left: 44.018+/-0.007 χ^2/NDF: 2229114.1/31

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

In: 44.281+/-0.008 χ^2/NDF:2338652.4/31

Out: 44.846+/-0.008 χ^2/NDF:2448827.8/33

All: 44.555+/-0.005 χ^2/NDF: 4790193.9/65



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.021+/-0.013 χ^2/NDF:18.5/15

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.012+/-0.013 χ^2/NDF:20.9/15

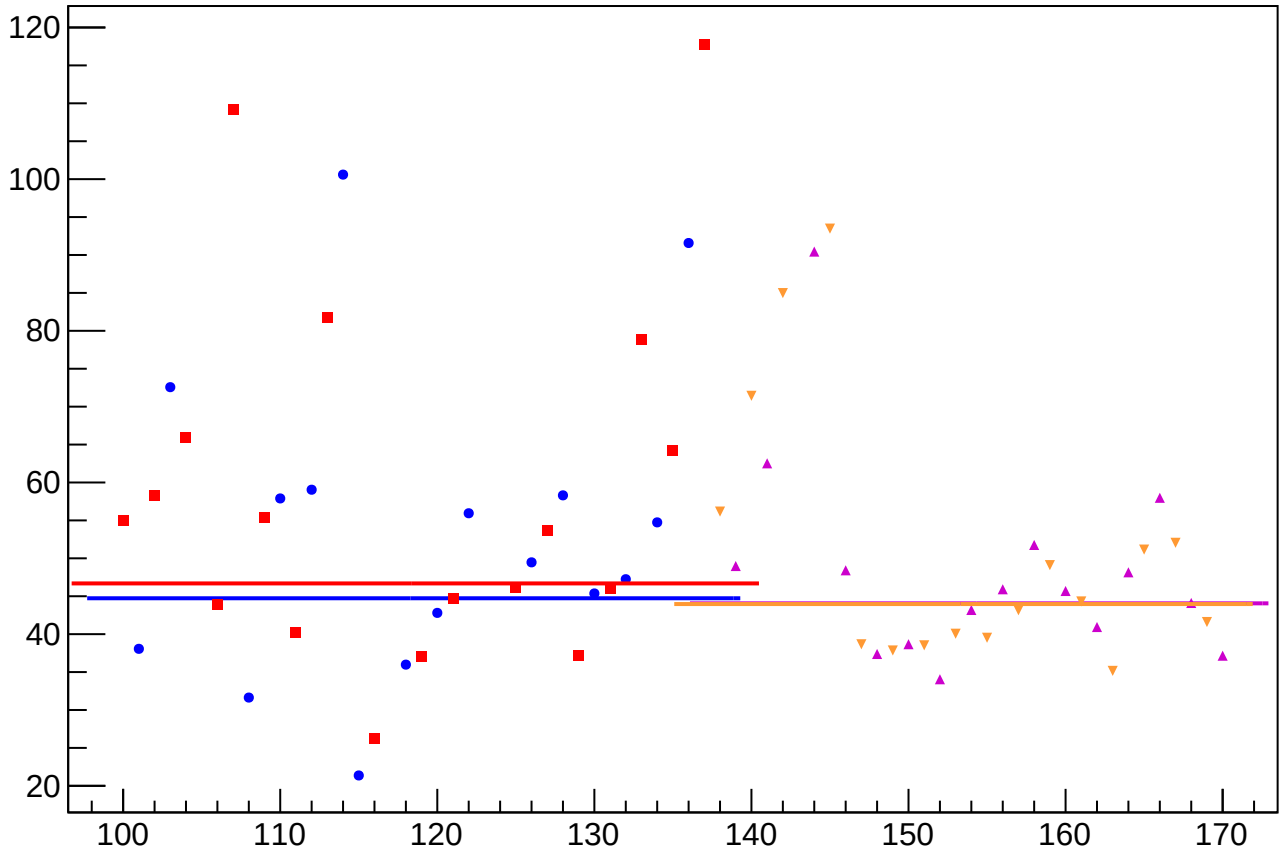
Left: -0.016+/-0.009 χ^2/NDF: 39.6/31

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

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.016+/-0.011 χ^2/NDF:55.4/33

All: -0.016+/-0.008 χ^2/NDF: 94.3/65



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

Left Out: 43.969+/-0.009 χ^2/NDF:1226671.6/15

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

Left In: 44.064+/-0.009 χ^2/NDF:1002391.5/15

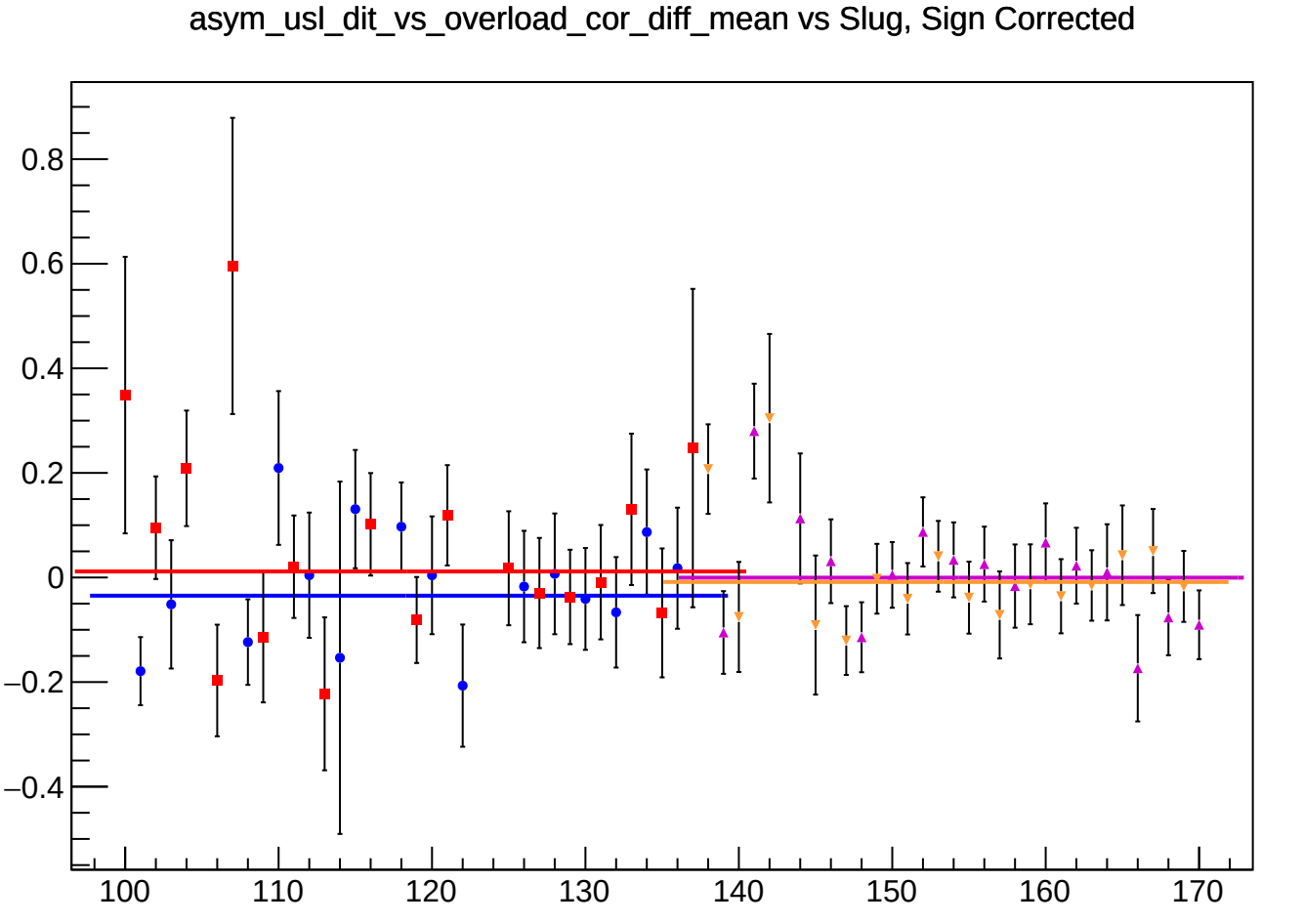
Left: 44.018+/-0.007 χ^2/NDF: 2229114.1/31

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

In: 44.281+/-0.008 χ^2/NDF:2338652.4/31

Out: 44.846+/-0.008 χ^2/NDF:2448827.8/33

All: 44.555+/-0.005 χ^2/NDF: 4790193.9/65



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.009+/-0.019 χ^2/NDF:16.3/15

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.019 χ^2/NDF:24.1/15

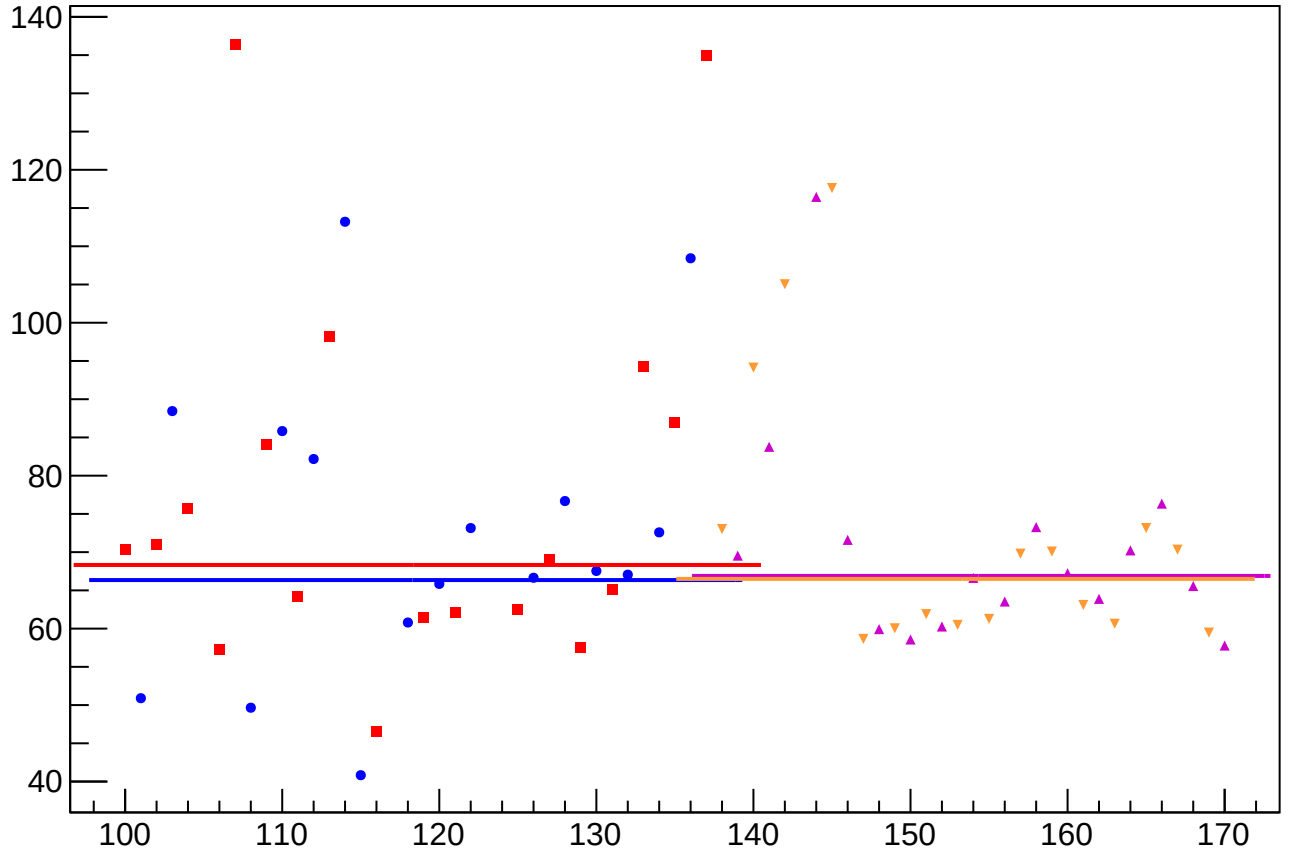
Left: -0.004+/-0.014 χ^2/NDF: 40.6/31

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

In: -0.012+/-0.015 χ^2/NDF:42.7/31

Out: -0.002+/-0.016 χ^2/NDF:39.5/33

All: -0.007+/-0.011 χ^2/NDF: 82.4/65



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 66.501+/-0.014 χ^2/NDF:705754.4/15

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 66.890+/-0.013 χ^2/NDF:552875.0/15

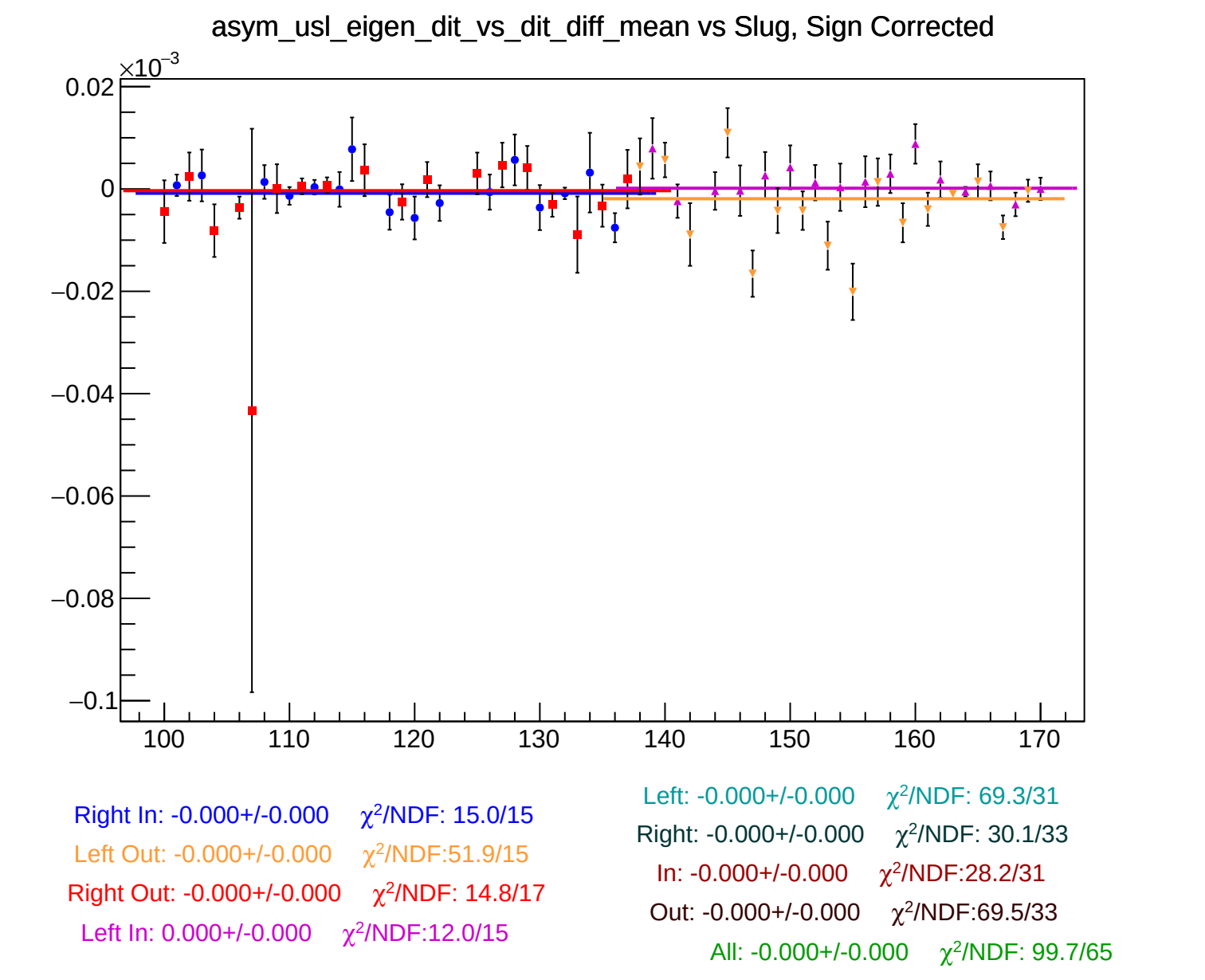
Left: 66.700+/-0.010 χ^2/NDF: 1259036.7/31

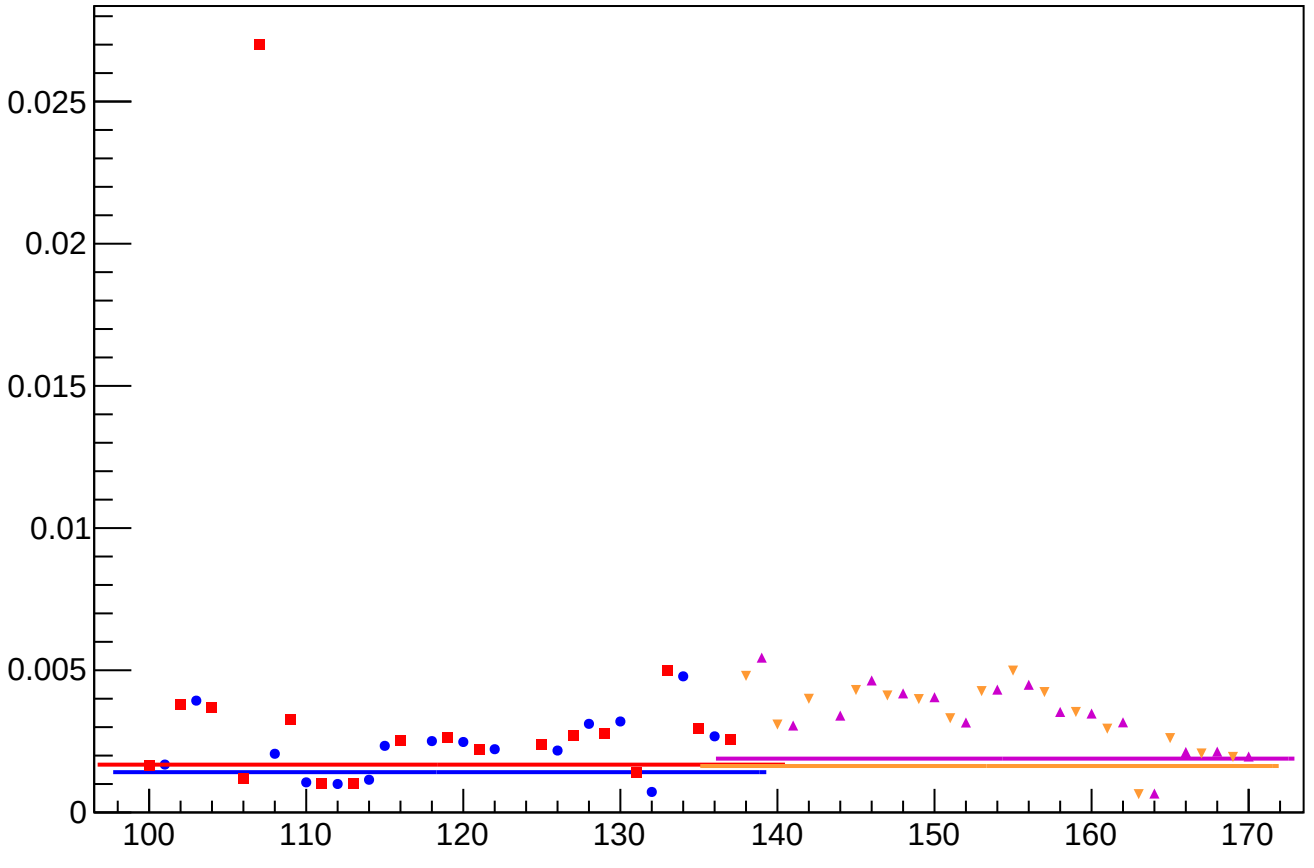
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.703+/-0.011 χ^2/NDF:1326085.1/31

Out: 67.127+/-0.011 χ^2/NDF:1341437.6/33

All: 66.910+/-0.008 χ^2/NDF: 2668261.0/65


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:51.9/15
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:12.0/15
Left: -0.000+/-0.000 χ²/NDF: 69.3/31
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:28.2/31
Out: -0.000+/-0.000 χ²/NDF:69.5/33
All: -0.000+/-0.000 χ²/NDF: 99.7/65



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9838150.5/15

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8774636.2/15

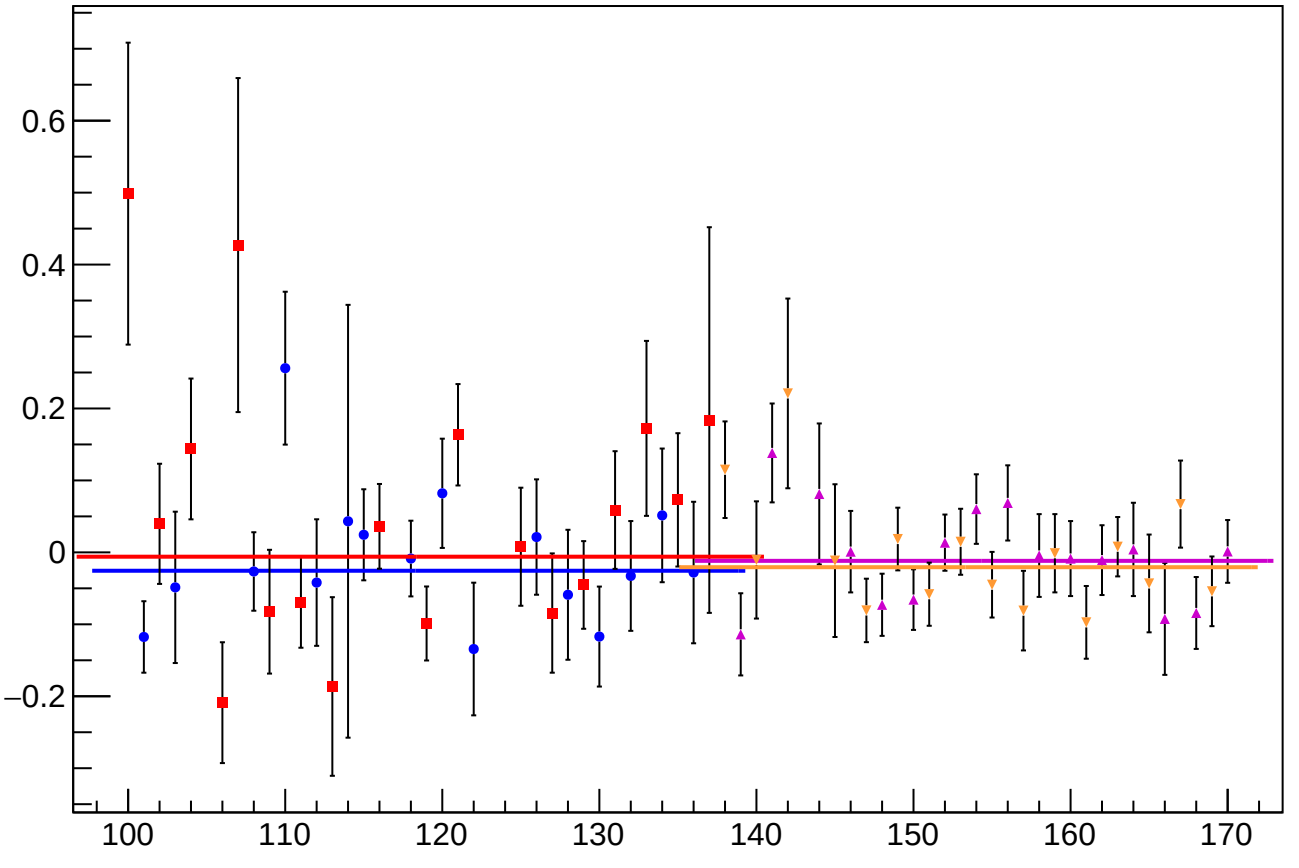
Left: 0.002+/-0.000 χ^2/NDF: 18786284.2/31

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

In: 0.002+/-0.000 χ^2/NDF:12889974.7/31

Out: 0.002+/-0.000 χ^2/NDF:13270614.5/33

All: 0.002+/-0.000 χ^2/NDF: 26160983.6/65



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.021+/-0.013 χ^2/NDF:18.5/15

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.012+/-0.013 χ^2/NDF:20.9/15

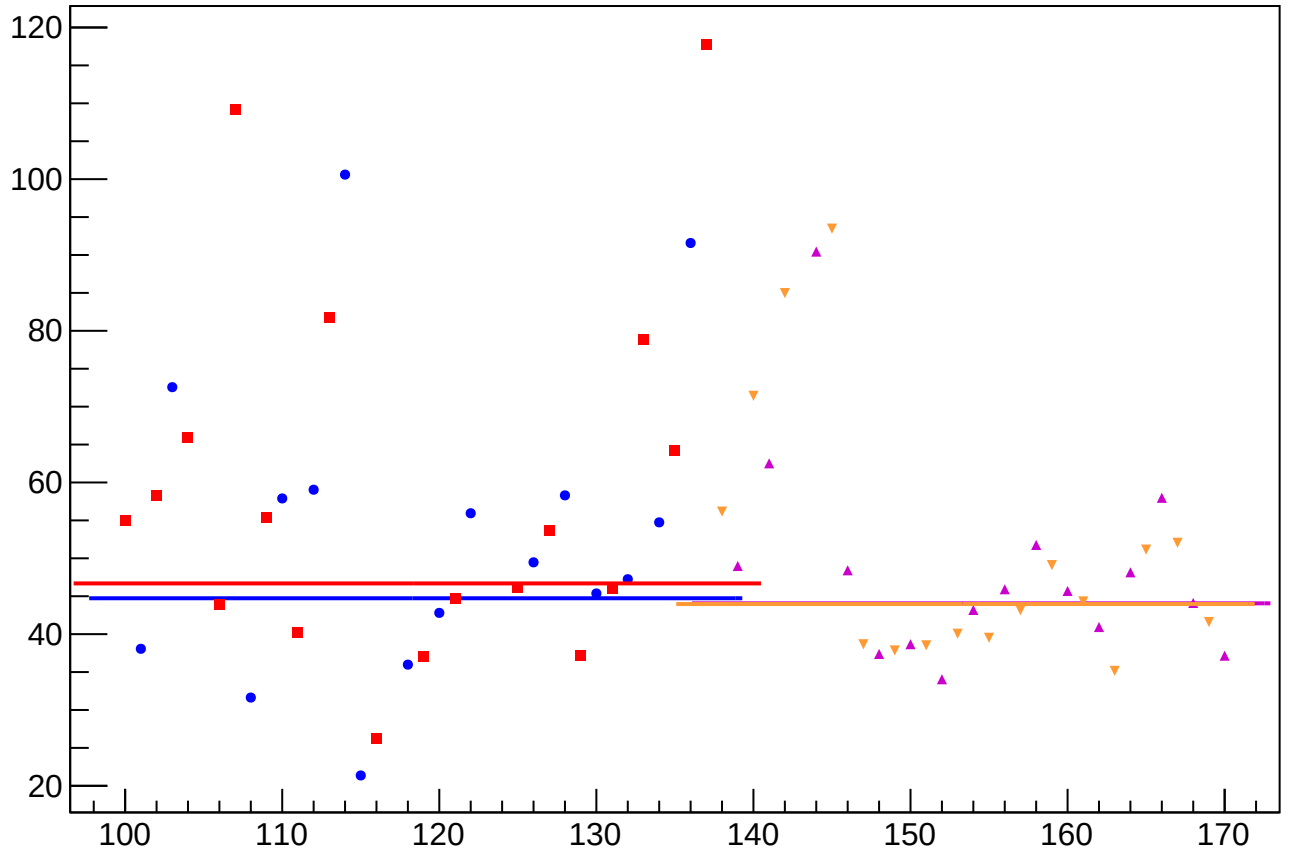
Left: -0.016+/-0.009 χ^2/NDF: 39.6/31

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

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.016+/-0.011 χ^2/NDF:55.4/33

All: -0.016+/-0.008 χ^2/NDF: 94.3/65



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.970+/-0.009 χ^2/NDF:1226637.2/15

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.064+/-0.009 χ^2/NDF:1002372.0/15

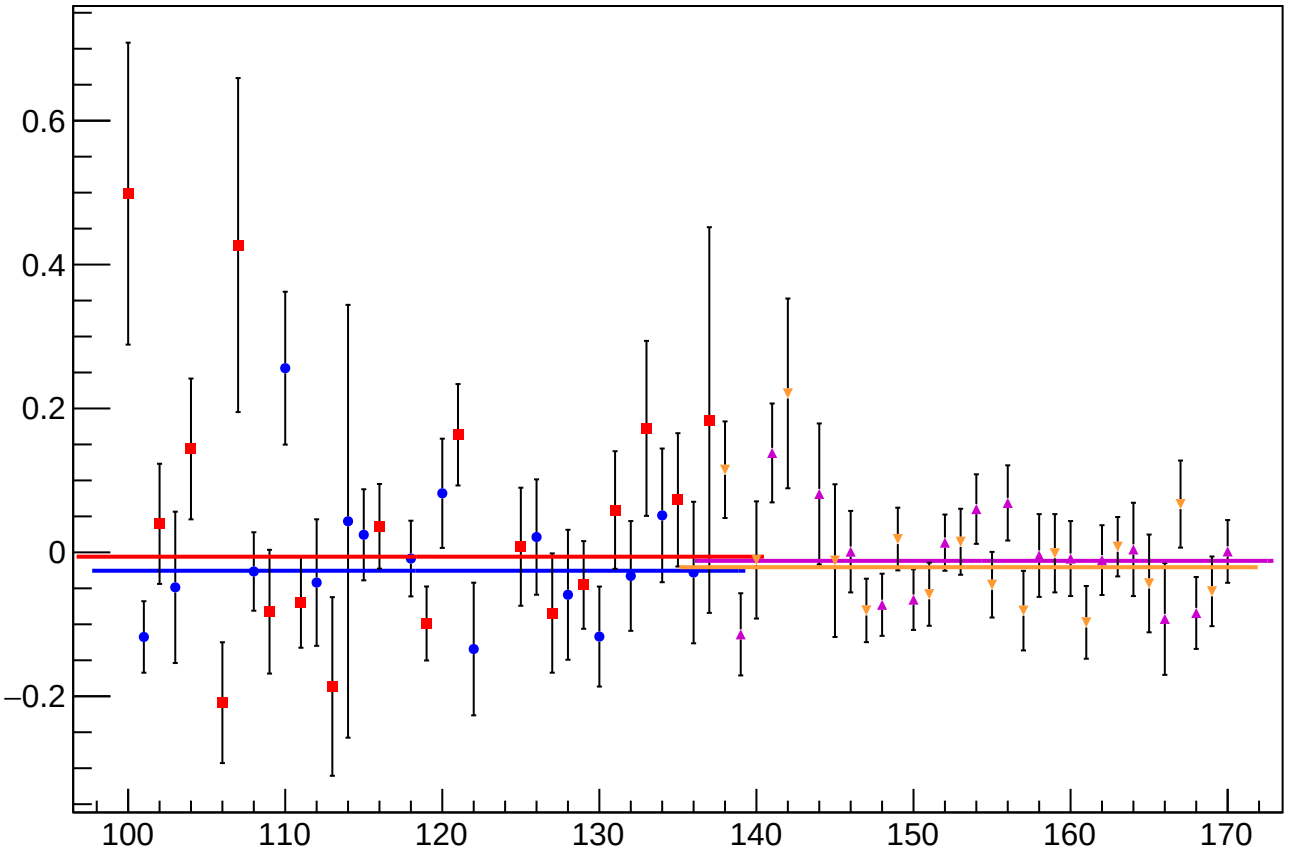
Left: 44.018+/-0.007 χ^2/NDF: 2229060.1/31

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

In: 44.281+/-0.008 χ^2/NDF:2338689.4/31

Out: 44.846+/-0.008 χ^2/NDF:2448810.8/33

All: 44.555+/-0.005 χ^2/NDF: 4790214.4/65



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.021+/-0.013 χ^2/NDF:18.5/15

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.012+/-0.013 χ^2/NDF:20.9/15

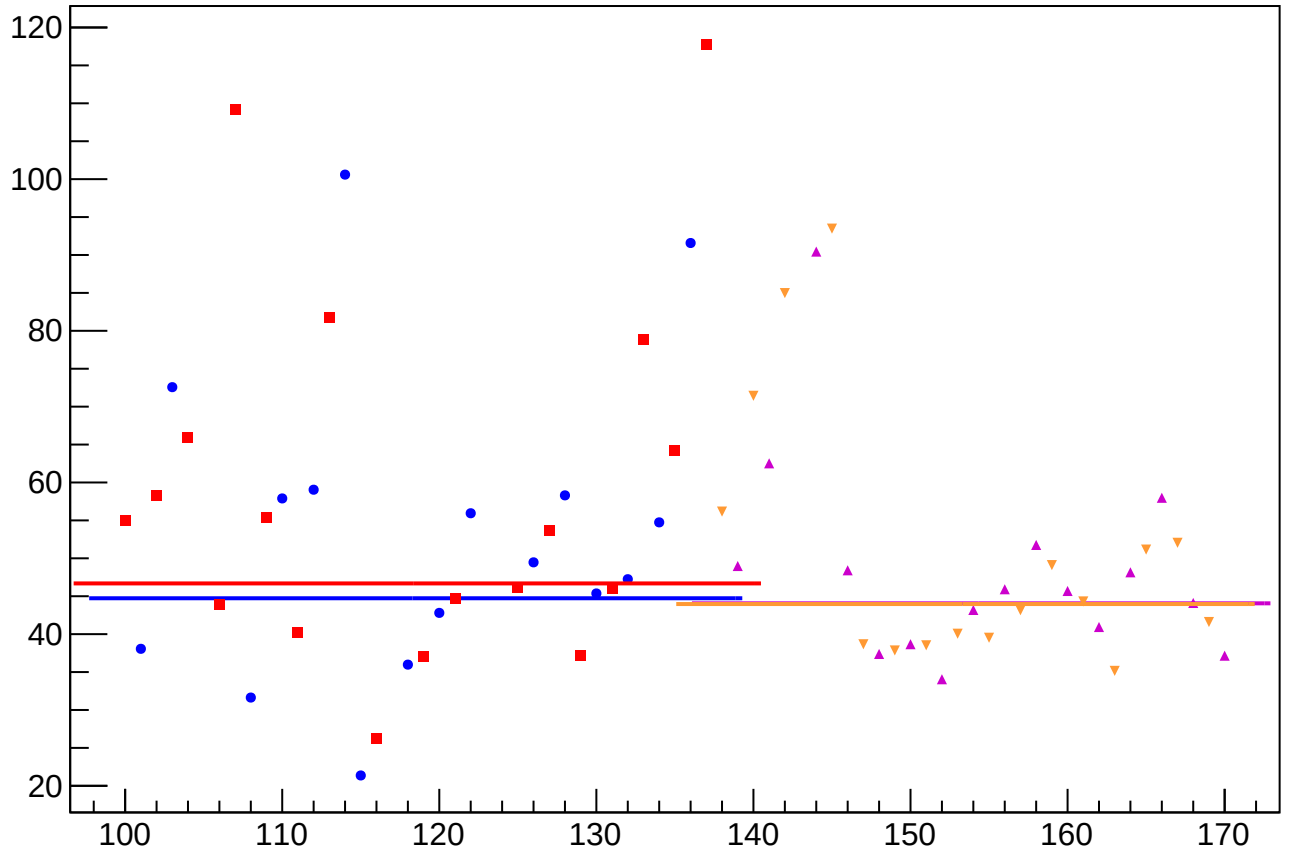
Left: -0.016+/-0.009 χ^2/NDF: 39.6/31

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

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.016+/-0.011 χ^2/NDF:55.4/33

All: -0.016+/-0.008 χ^2/NDF: 94.3/65



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.970+/-0.009 χ^2/NDF:1226637.2/15

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.064+/-0.009 χ^2/NDF:1002372.0/15

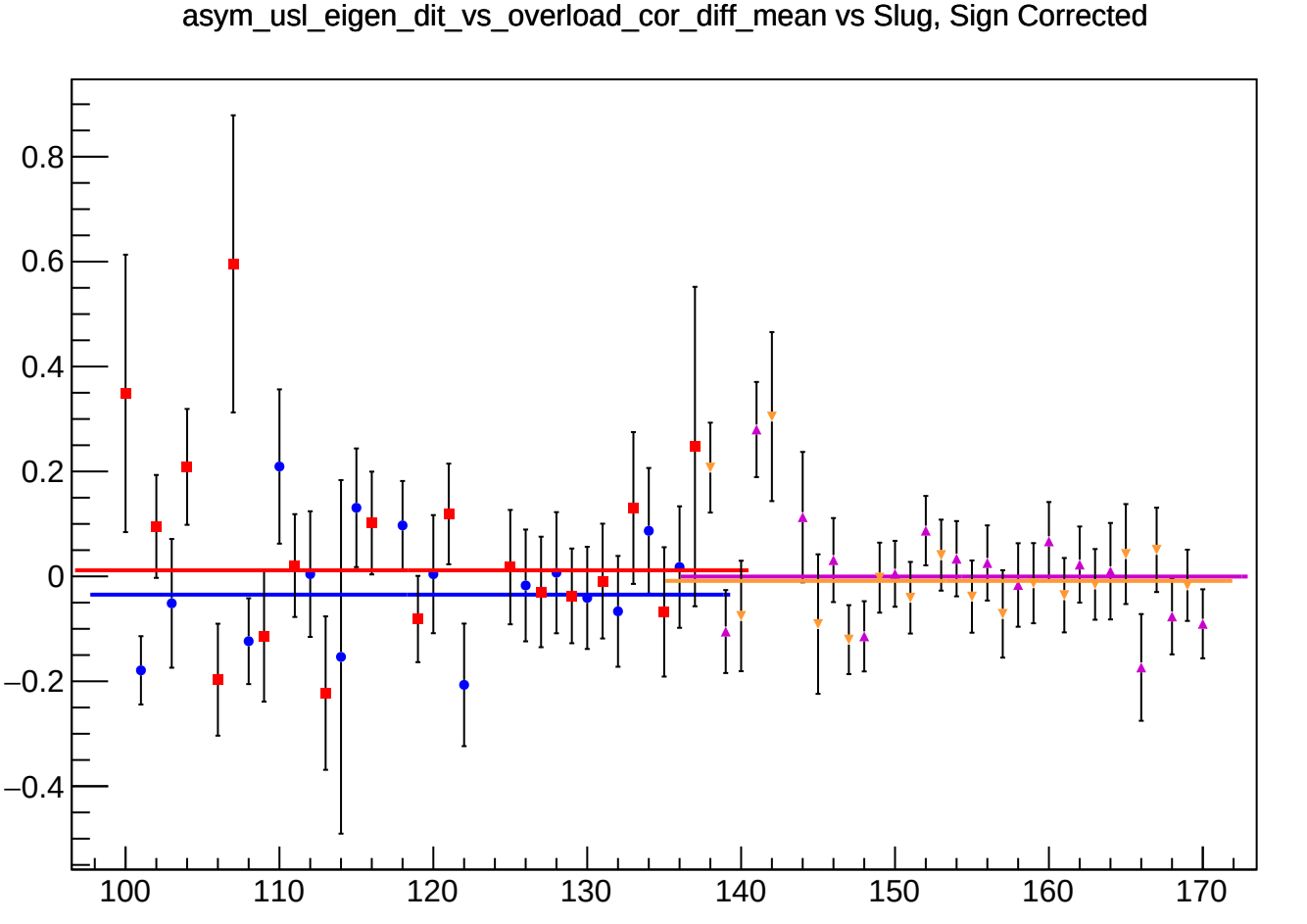
Left: 44.018+/-0.007 χ^2/NDF: 2229060.1/31

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

In: 44.281+/-0.008 χ^2/NDF:2338689.4/31

Out: 44.846+/-0.008 χ^2/NDF:2448810.8/33

All: 44.555+/-0.005 χ^2/NDF: 4790214.4/65



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.009+/-0.019 χ^2/NDF:16.3/15

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.019 χ^2/NDF:24.1/15

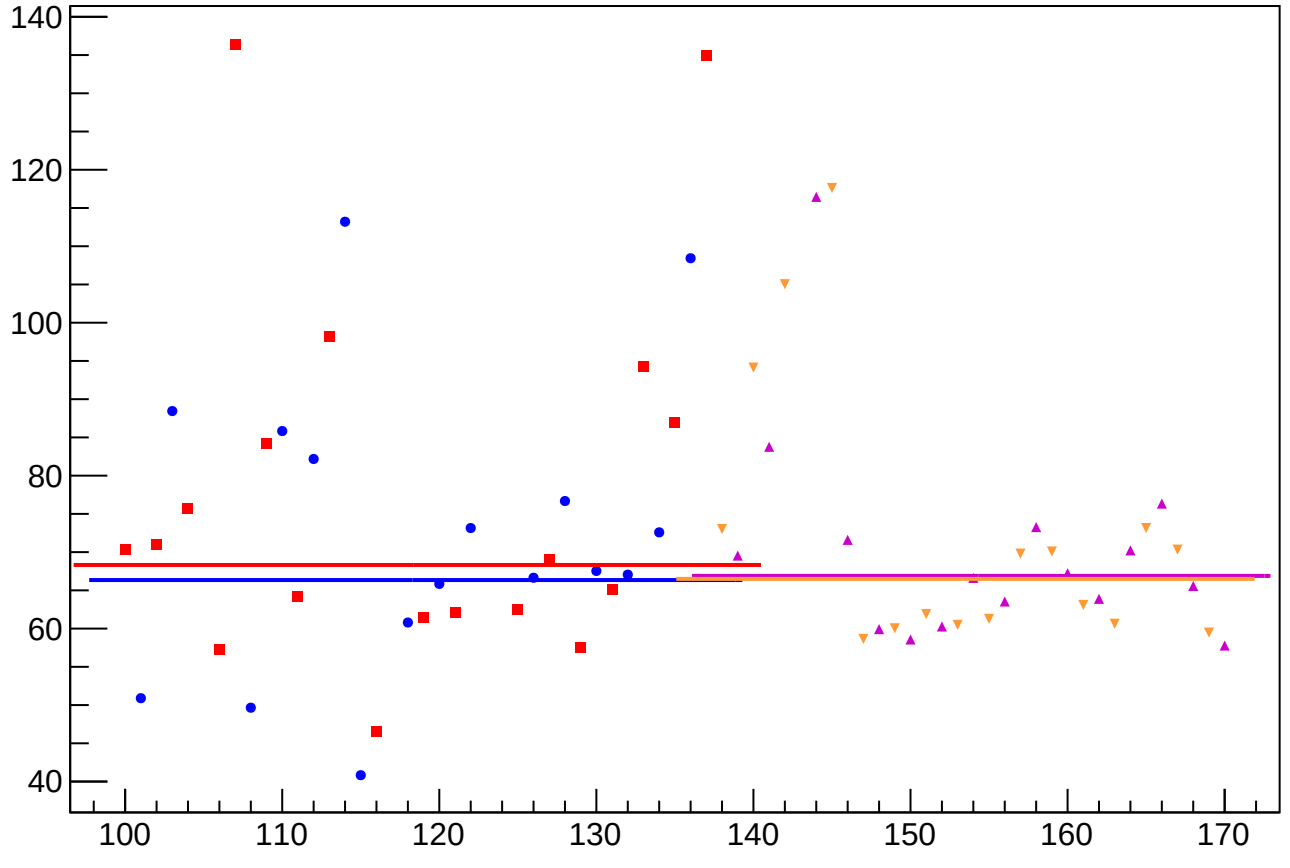
Left: -0.004+/-0.014 χ^2/NDF: 40.6/31

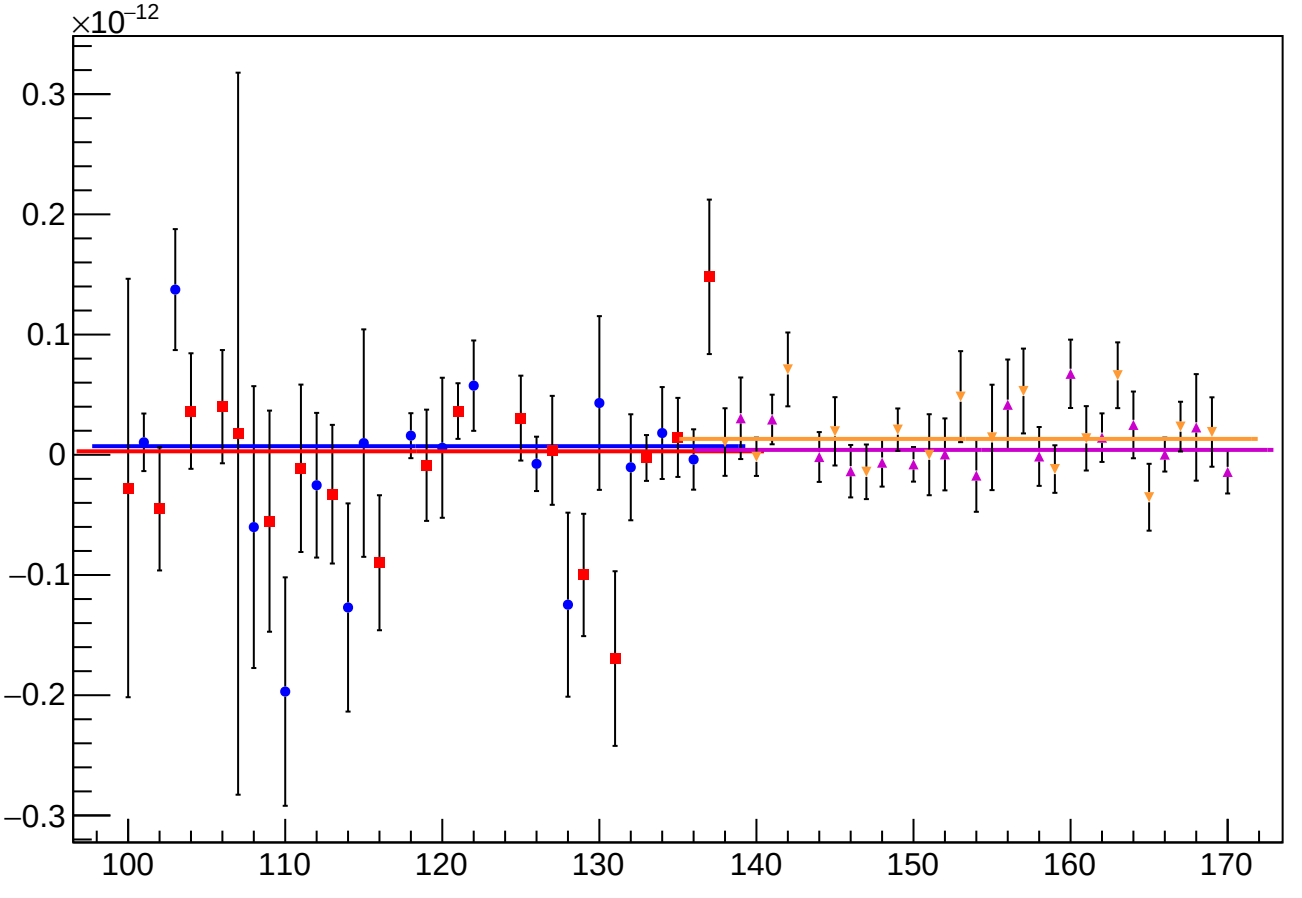
Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.012+/-0.015 χ^2/NDF:42.7/31

Out: -0.002+/-0.016 χ^2/NDF:39.5/33

All: -0.007+/-0.011 χ^2/NDF: 82.4/65


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 66.348+/-0.019 χ²/NDF: 772660.4/15
Left Out: 66.501+/-0.014 χ²/NDF:705741.0/15
Right Out: 68.321+/-0.019 χ²/NDF: 629665.7/17
Left In: 66.890+/-0.013 χ²/NDF:552866.9/15
Left: 66.700+/-0.010 χ²/NDF: 1259015.2/31
Right: 67.311+/-0.013 χ²/NDF: 1407834.9/33
In: 66.703+/-0.011 χ²/NDF:1326085.4/31
Out: 67.127+/-0.011 χ²/NDF:1341414.7/33
All: 66.910+/-0.008 χ²/NDF: 2668238.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.5/15

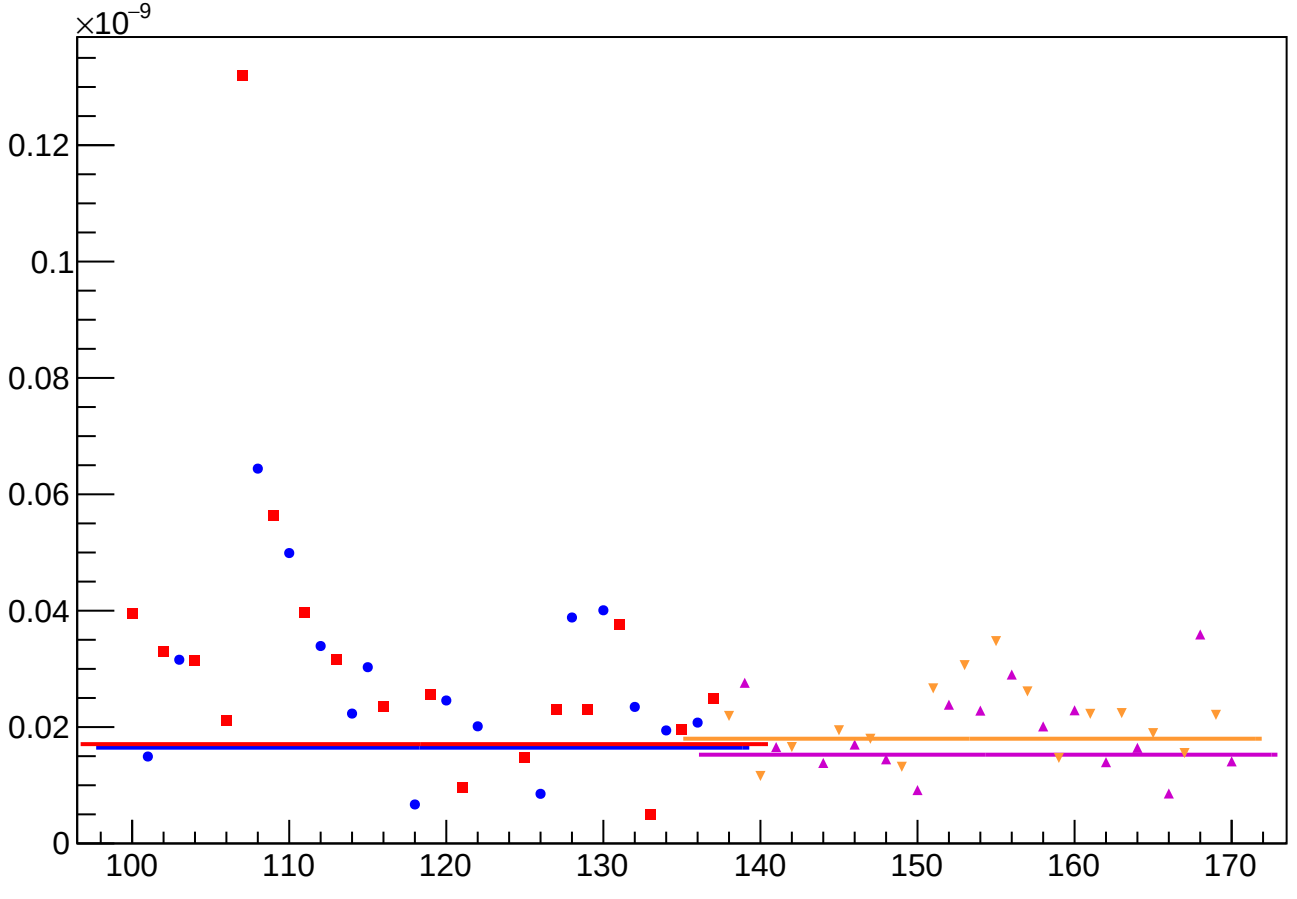
Left: 0.000+/-0.000 χ^2/NDF: 30.8/31

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: 0.000+/-0.000 χ^2/NDF:41.2/33

All: 0.000+/-0.000 χ^2/NDF: 74.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1503826.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2338217.7/15

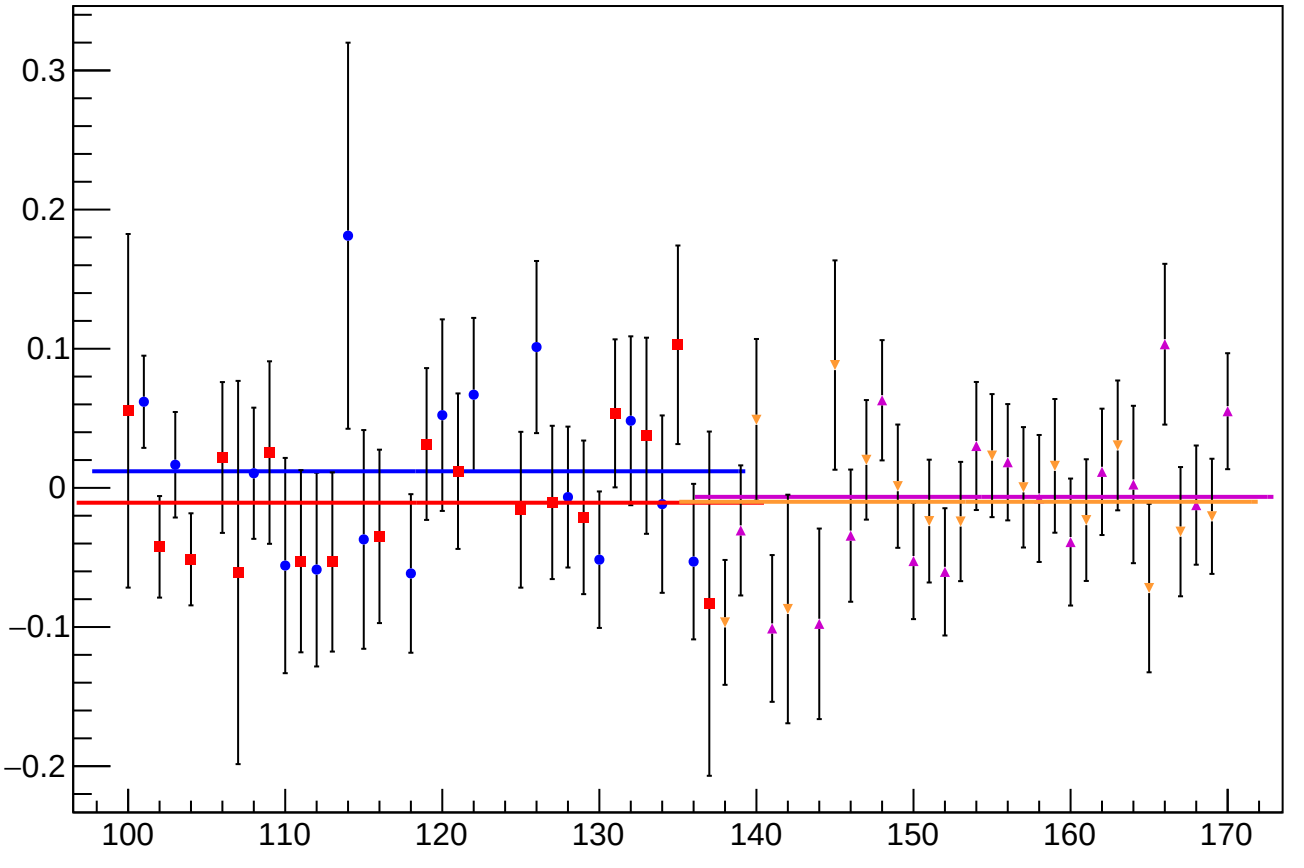
Left: 0.000+/-0.000 χ^2/NDF: 4060467.8/31

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

In: 0.000+/-0.000 χ^2/NDF:4709582.6/31

Out: 0.000+/-0.000 χ^2/NDF:4307970.8/33

All: 0.000+/-0.000 χ^2/NDF: 9204586.2/65



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.010+/-0.012 χ^2/NDF:11.2/15

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.006+/-0.012 χ^2/NDF:18.3/15

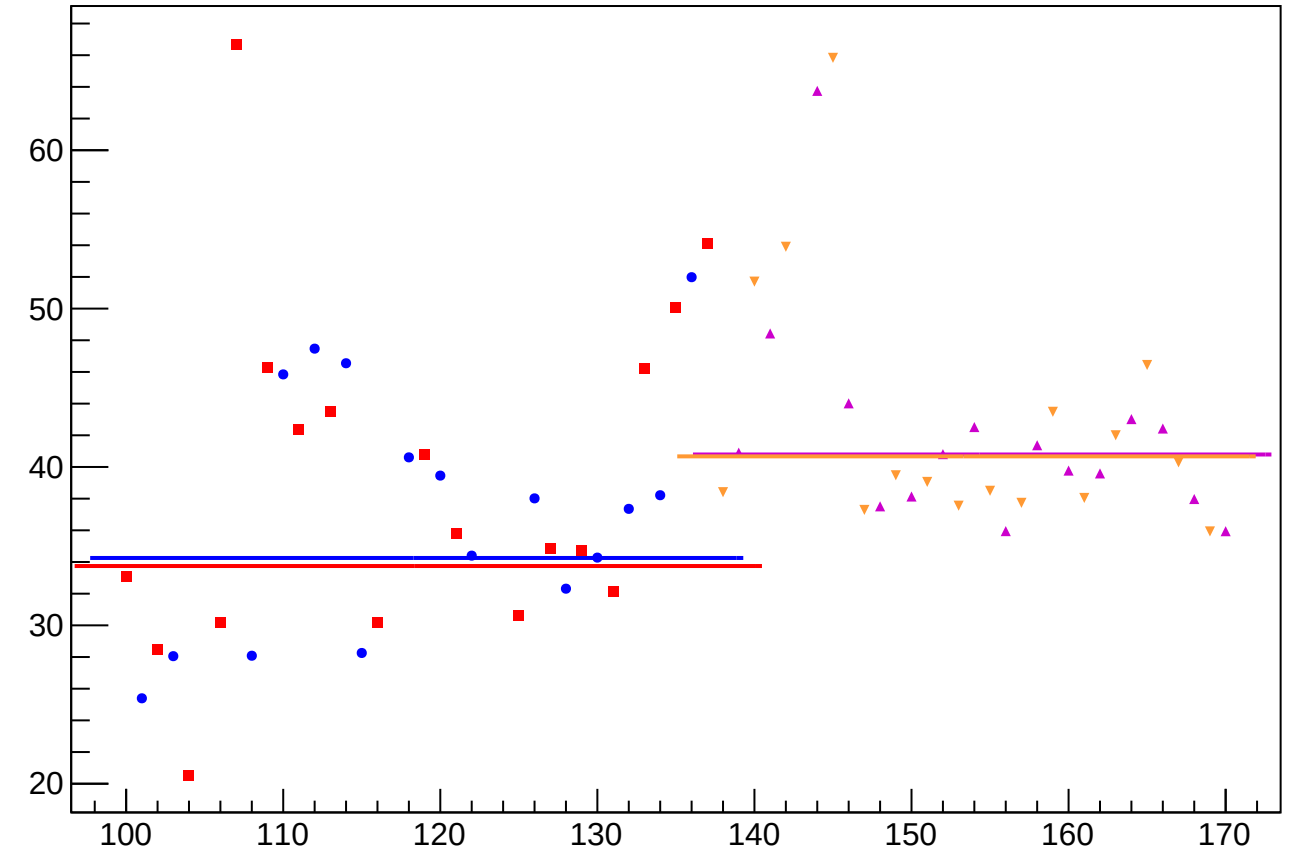
Left: -0.008+/-0.008 χ^2/NDF: 29.5/31

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.001+/-0.009 χ^2/NDF:34.0/31

Out: -0.010+/-0.009 χ^2/NDF:21.1/33

All: -0.004+/-0.006 χ^2/NDF: 56.0/65



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.669+/-0.008 χ^2/NDF:454242.5/15

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.788+/-0.008 χ^2/NDF:368422.4/15

Left: 40.730+/-0.006 χ^2/NDF: 822765.0/31

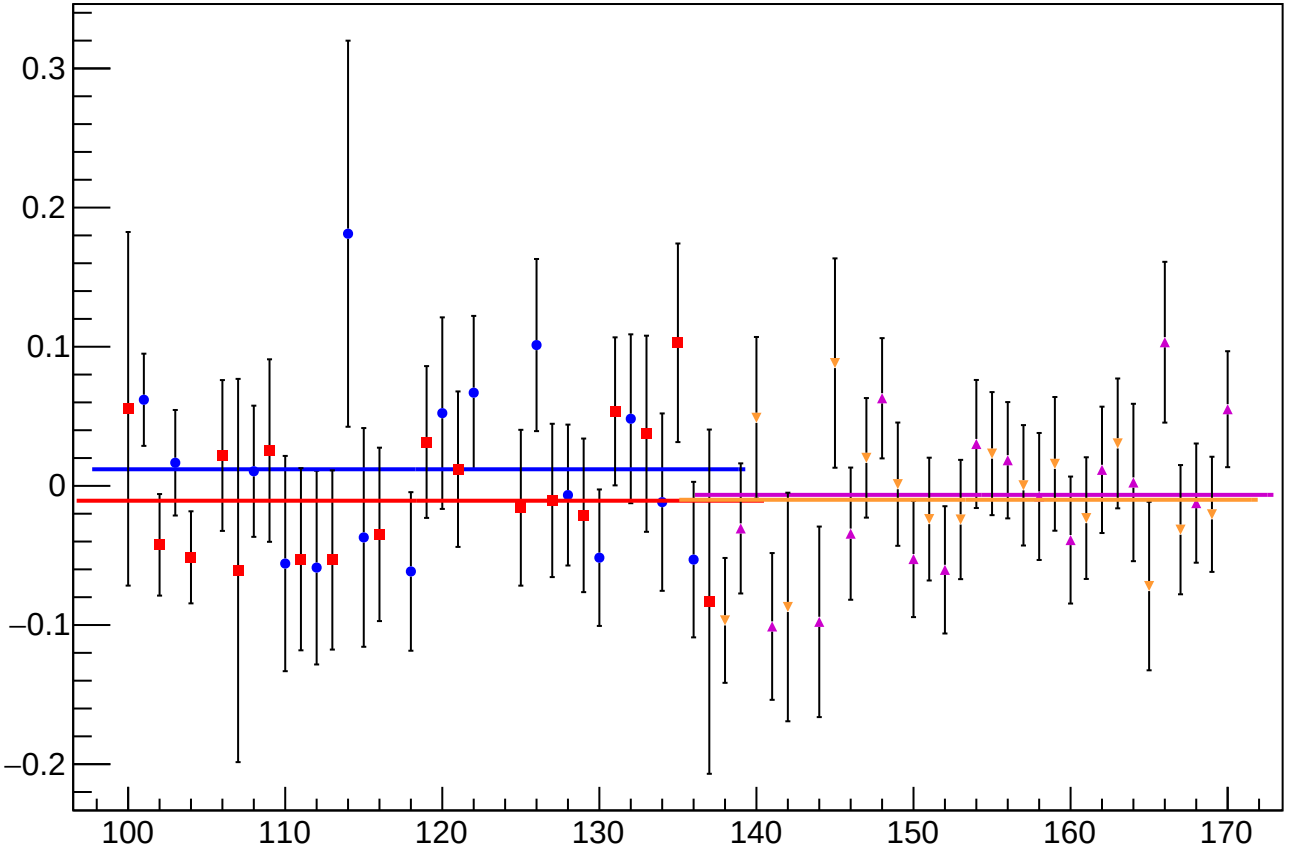
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.007+/-0.006 χ^2/NDF:1269075.8/31

Out: 37.615+/-0.006 χ^2/NDF:1662641.6/33

All: 37.812+/-0.004 χ^2/NDF: 2933662.7/65

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: -0.010+/-0.012 χ^2/NDF:11.2/15

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.006+/-0.012 χ^2/NDF:18.3/15

Left: -0.008+/-0.008 χ^2/NDF: 29.5/31

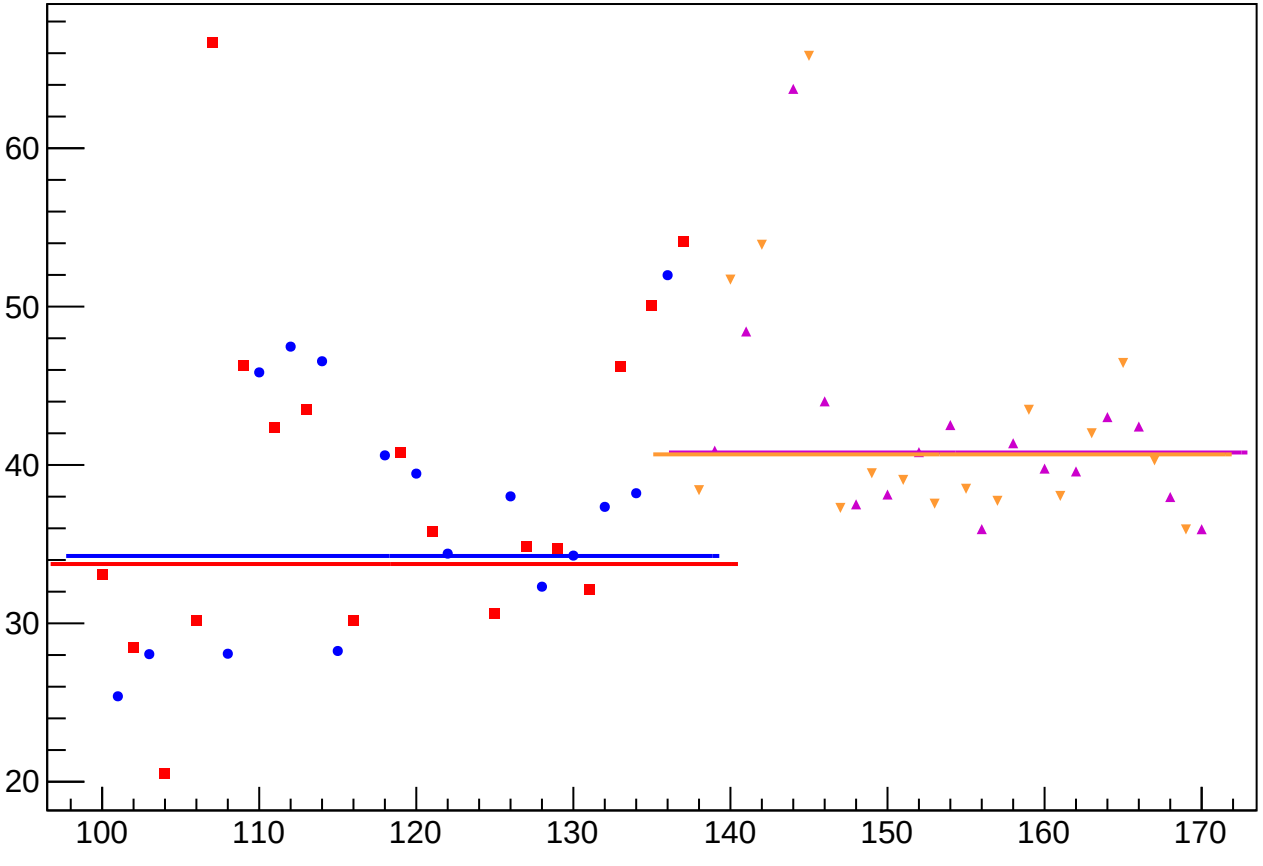
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.001+/-0.009 χ^2/NDF:34.0/31

Out: -0.010+/-0.009 χ^2/NDF:21.1/33

All: -0.004+/-0.006 χ^2/NDF: 56.0/65

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.669+/-0.008 χ^2/NDF:454242.5/15

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.788+/-0.008 χ^2/NDF:368422.4/15

Left: 40.730+/-0.006 χ^2/NDF: 822765.0/31

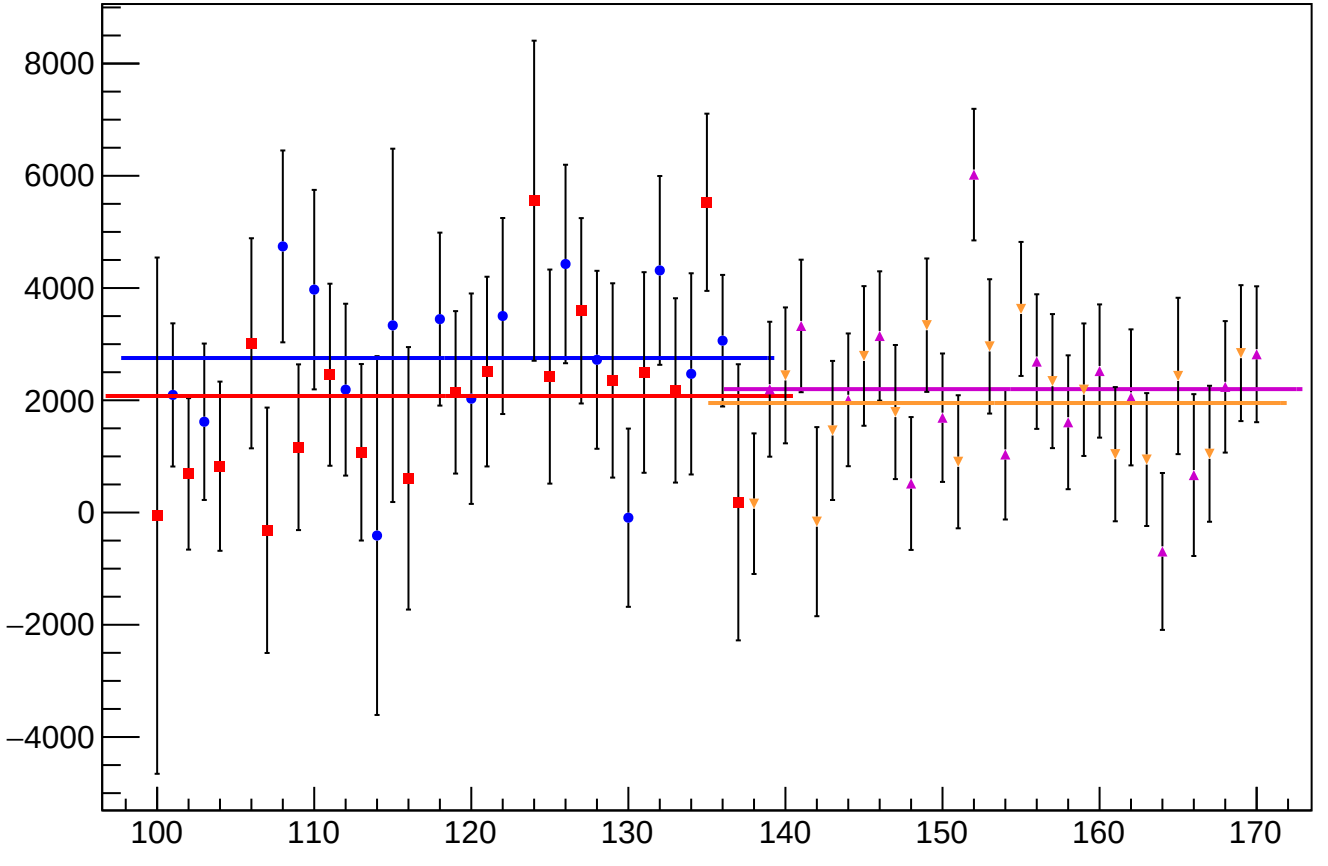
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.007+/-0.006 χ^2/NDF:1269075.8/31

Out: 37.615+/-0.006 χ^2/NDF:1662641.6/33

All: 37.812+/-0.004 χ^2/NDF: 2933662.7/65

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1951.407+/-298.833 χ^2/NDF:11.9/16

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.152+/-212.152 χ^2/NDF: 33.9/32

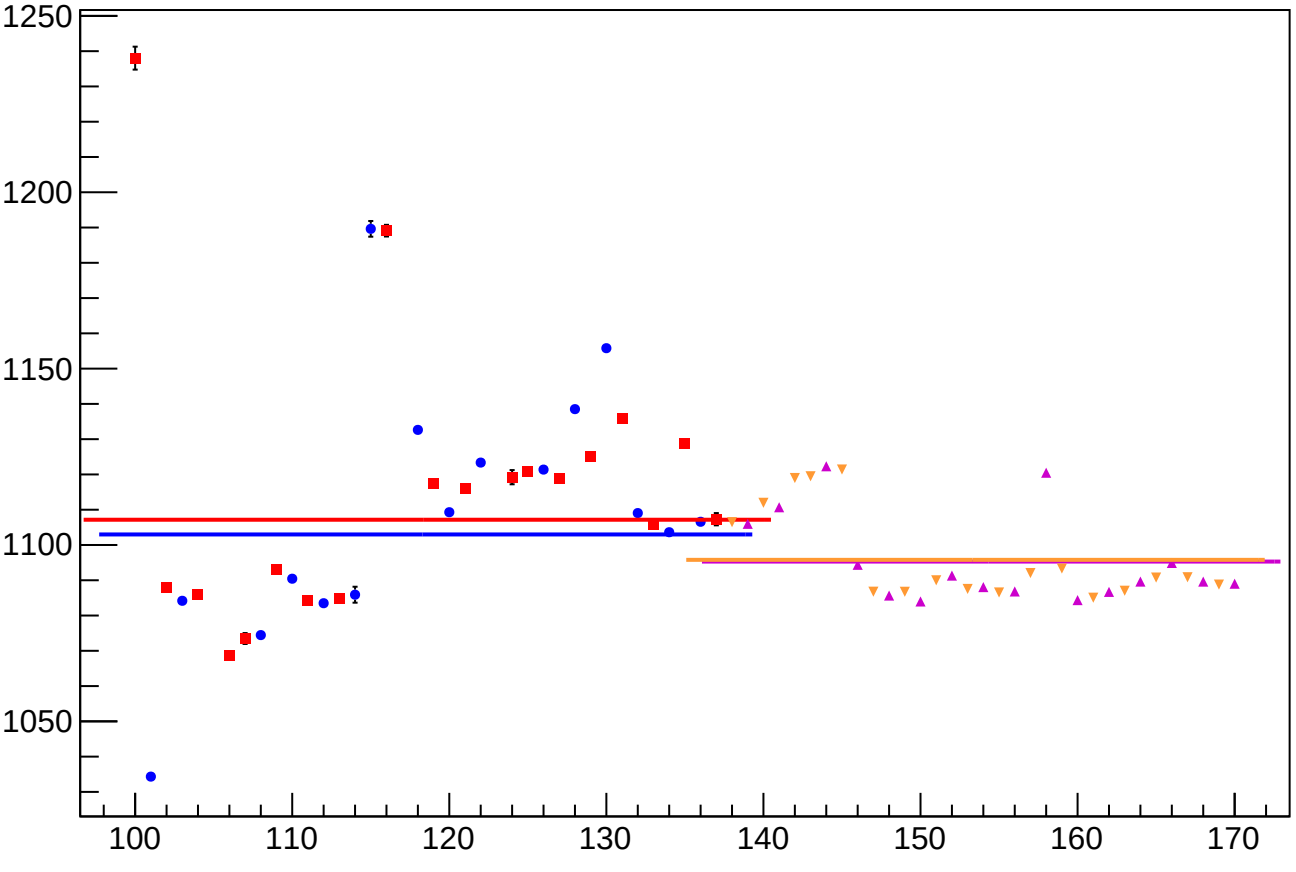
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1995.664+/-240.208 χ^2/NDF:24.5/35

All: 2192.402+/-170.735 χ^2/NDF: 58.2/67

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.788+/-0.211 χ^2/NDF:3378.6/16

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

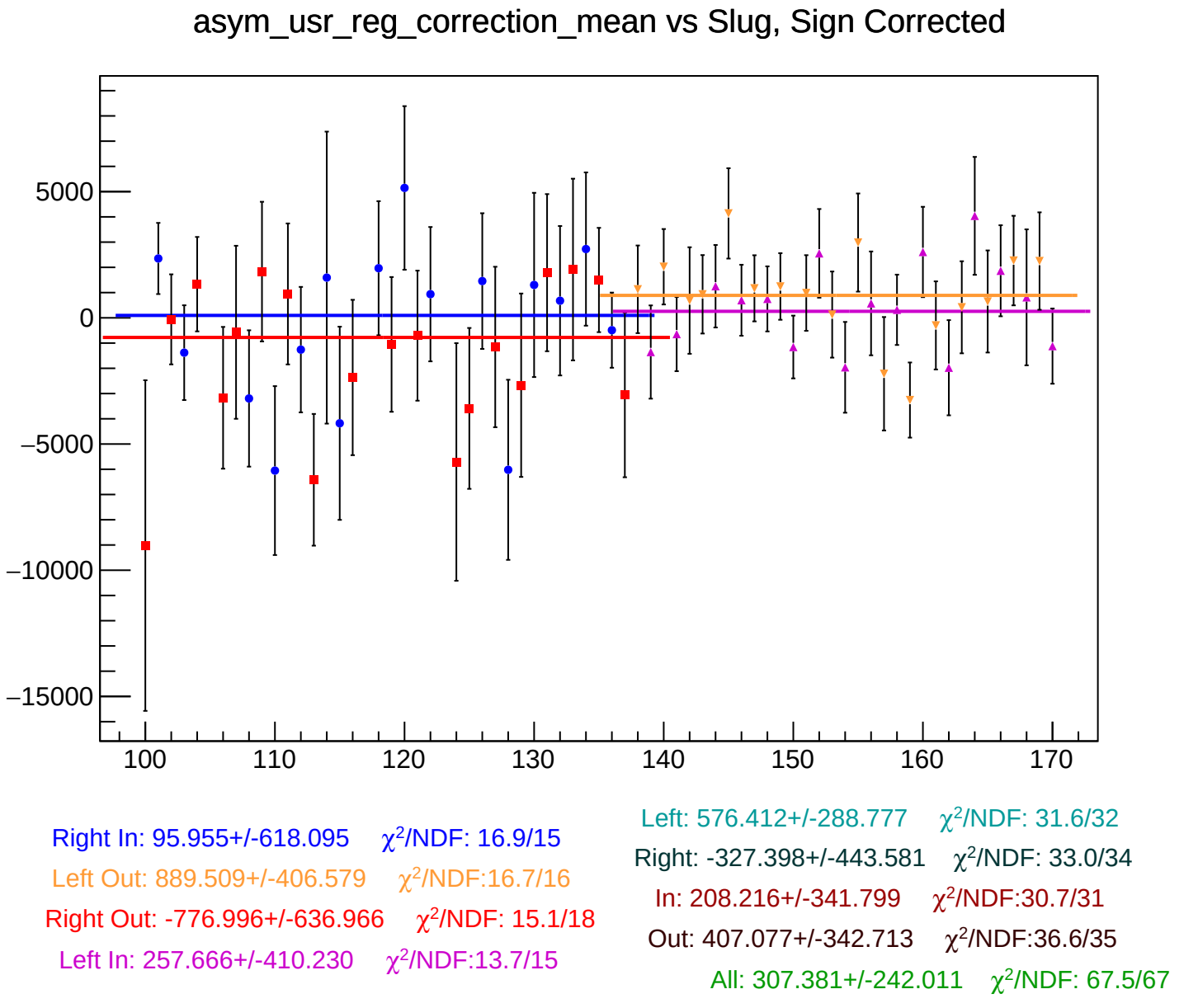
Left: 1095.545+/-0.150 χ^2/NDF: 6749.5/32

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

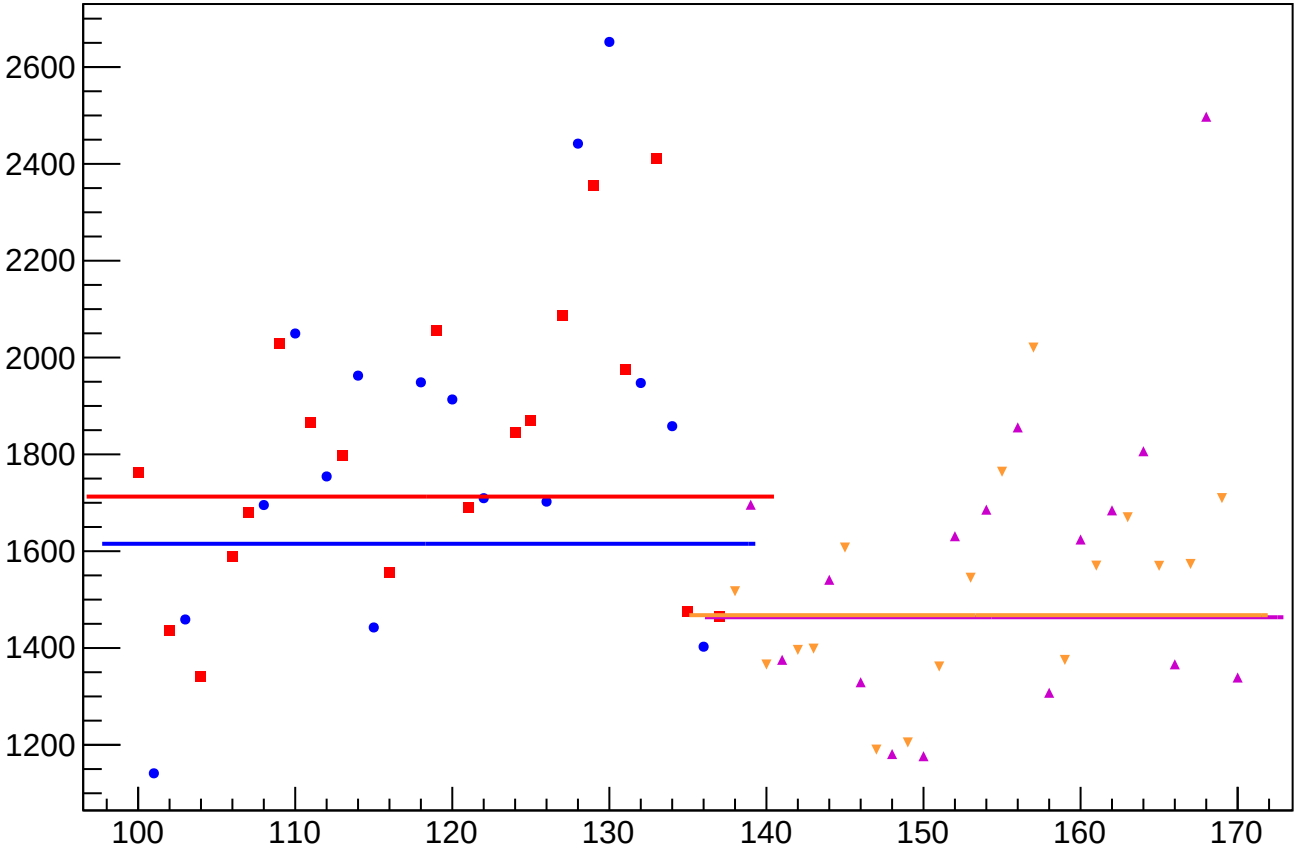
In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.812+/-0.170 χ^2/NDF:13086.7/35

All: 1098.913+/-0.121 χ^2/NDF: 30192.4/67


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 889.509+/-406.579 χ²/NDF:16.7/16
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 257.666+/-410.230 χ²/NDF:13.7/15
Left: 576.412+/-288.777 χ²/NDF: 31.6/32
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 208.216+/-341.799 χ²/NDF:30.7/31
Out: 407.077+/-342.713 χ²/NDF:36.6/35
All: 307.381+/-242.011 χ²/NDF: 67.5/67

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1467.849+/-0.287 χ^2/NDF:462971.7/16

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

Left: 1465.726+/-0.204 χ^2/NDF: 1274822.4/32

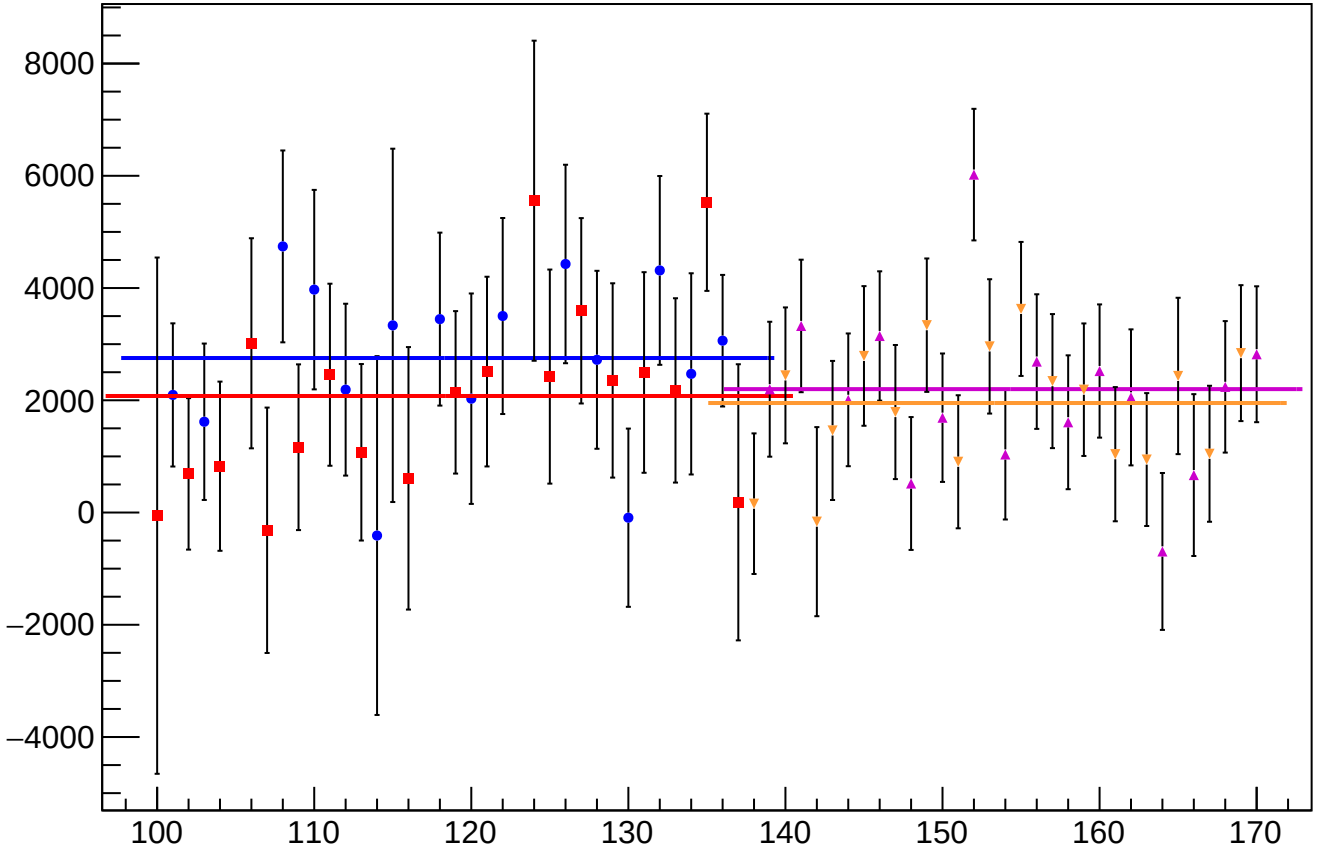
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1538.759+/-0.242 χ^2/NDF:1101182.5/35

All: 1524.326+/-0.171 χ^2/NDF: 2697316.6/67

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1951.407+/-298.833 χ^2/NDF:11.9/16

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.152+/-212.152 χ^2/NDF: 33.9/32

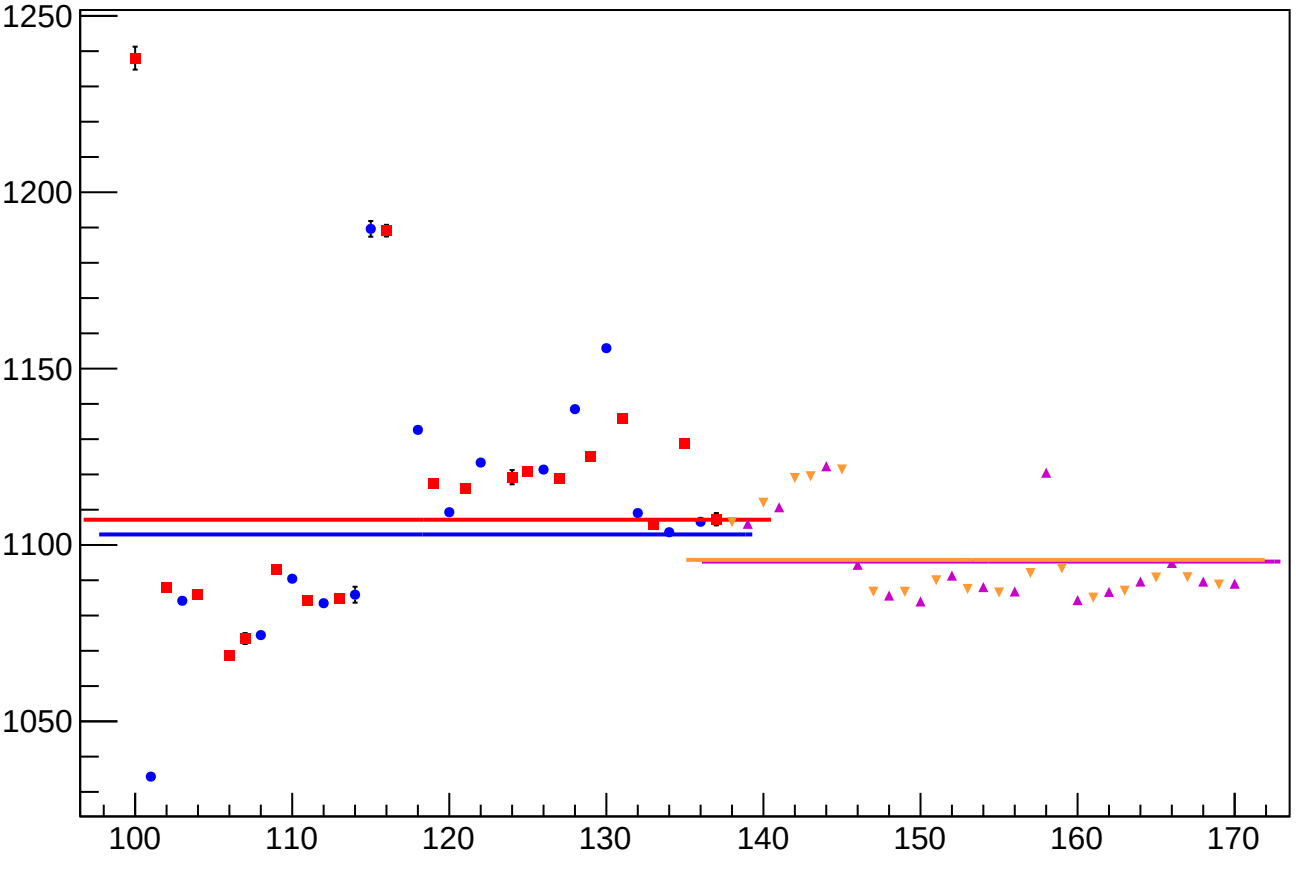
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1995.664+/-240.208 χ^2/NDF:24.5/35

All: 2192.402+/-170.735 χ^2/NDF: 58.2/67

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.788+/-0.211 χ^2/NDF:3378.6/16

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

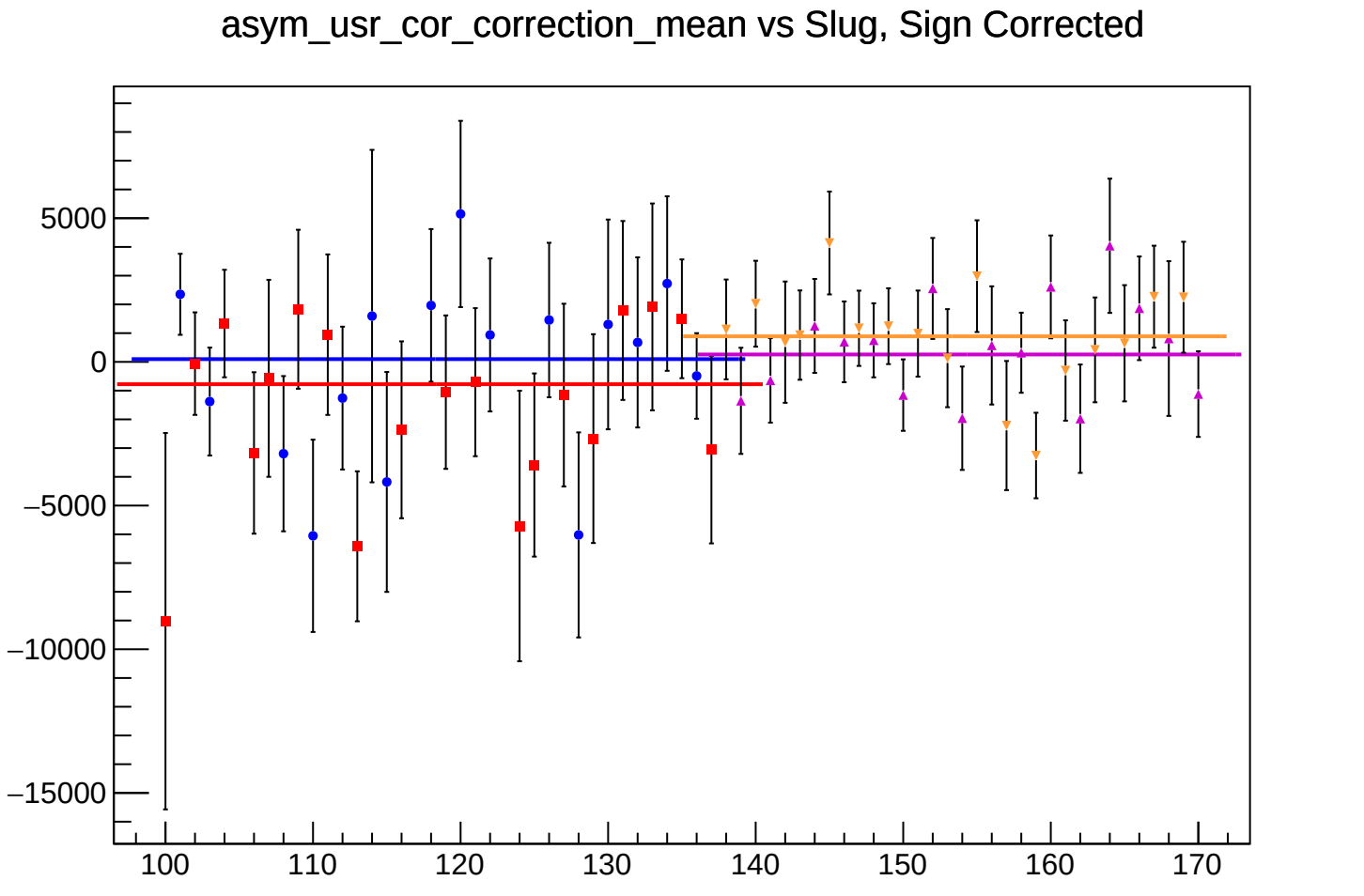
Left: 1095.545+/-0.150 χ^2/NDF: 6749.5/32

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

In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.812+/-0.170 χ^2/NDF:13086.7/35

All: 1098.913+/-0.121 χ^2/NDF: 30192.4/67



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 889.509+/-406.579 χ^2/NDF:16.7/16

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 257.666+/-410.230 χ^2/NDF:13.7/15

Left: 576.412+/-288.777 χ^2/NDF: 31.6/32

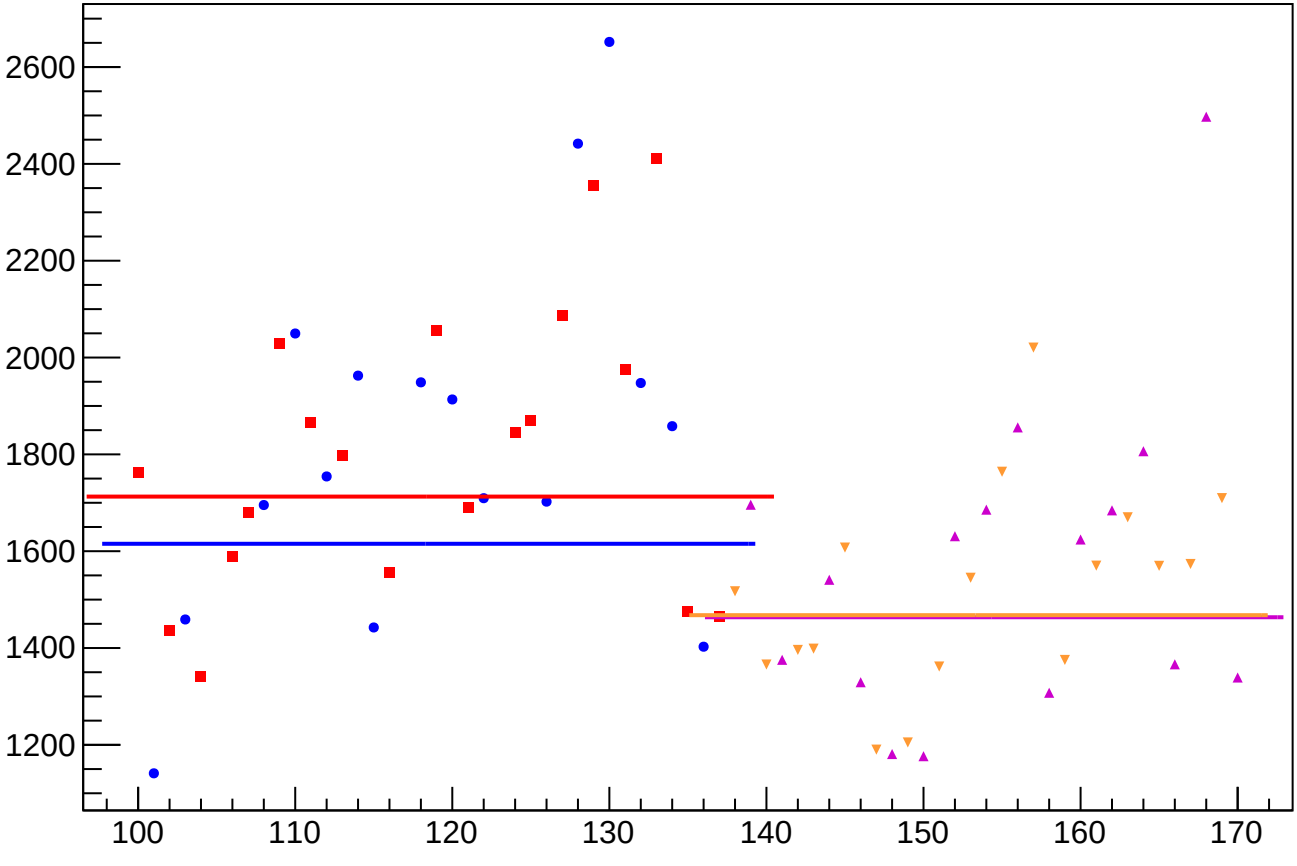
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 208.216+/-341.799 χ^2/NDF:30.7/31

Out: 407.077+/-342.713 χ^2/NDF:36.6/35

All: 307.381+/-242.011 χ^2/NDF: 67.5/67

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1467.849+/-0.287 χ^2/NDF:462971.7/16

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

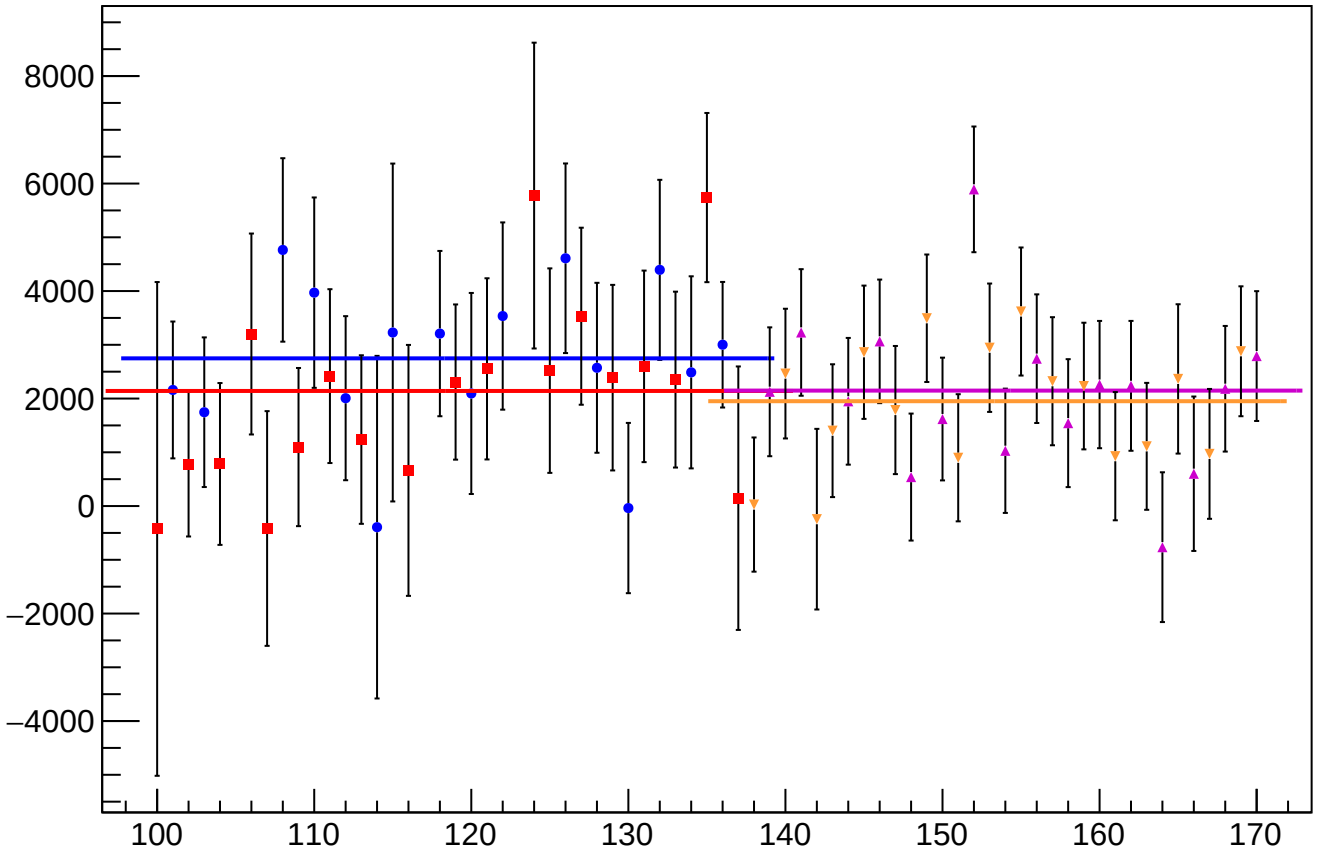
Left: 1465.726+/-0.204 χ^2/NDF: 1274822.4/32

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

In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1538.759+/-0.242 χ^2/NDF:1101182.5/35

All: 1524.326+/-0.171 χ^2/NDF: 2697316.6/67



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

Left Out: 1950.632+/-298.057 χ^2/NDF:12.9/16

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

Left In: 2147.945+/-300.471 χ^2/NDF:21.1/15

Left: 2048.493+/-211.606 χ^2/NDF: 34.2/32

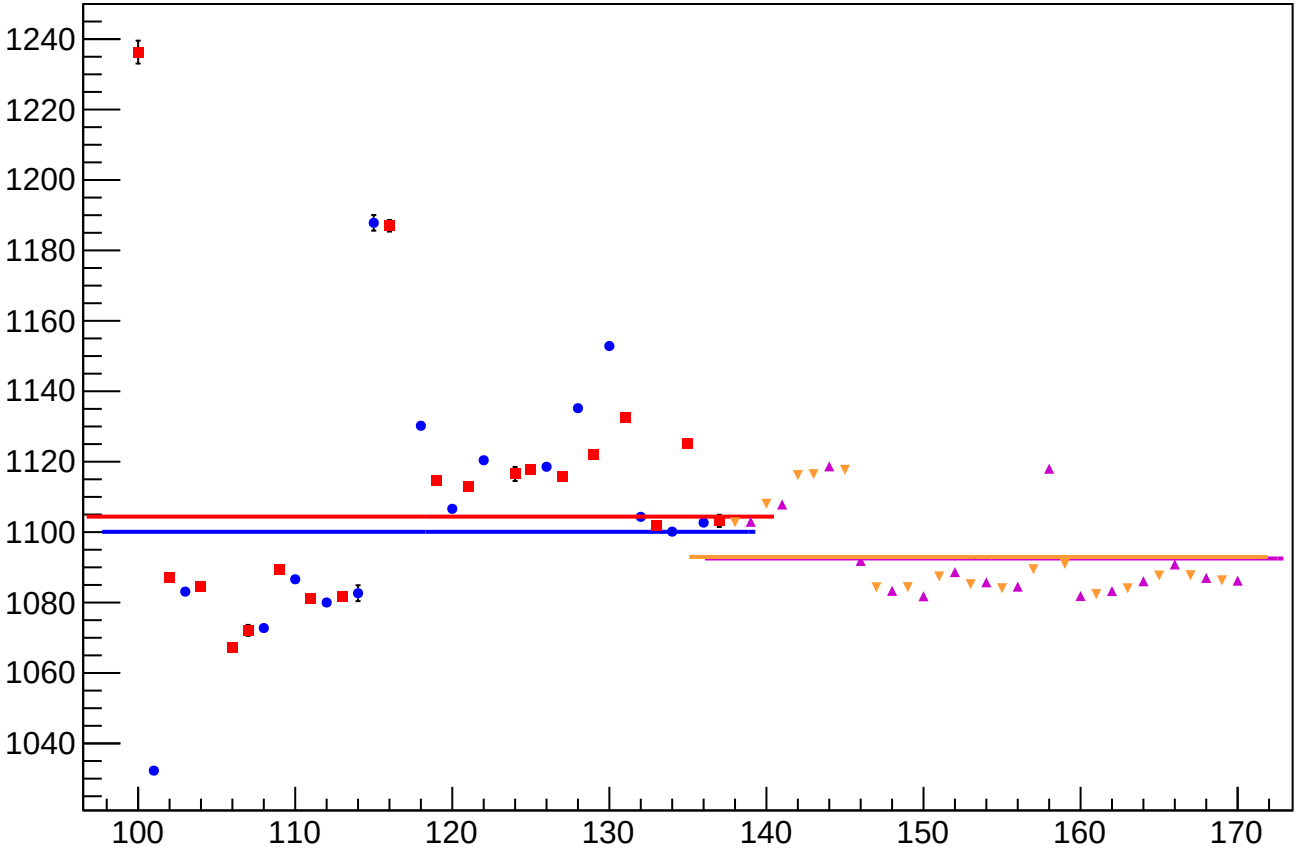
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2358.419+/-242.099 χ^2/NDF:32.0/31

Out: 2018.050+/-239.592 χ^2/NDF:26.6/35

All: 2186.463+/-170.297 χ^2/NDF: 59.6/67

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1092.946+/-0.211 χ^2/NDF:3208.4/16

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1092.510+/-0.212 χ^2/NDF:3294.4/15

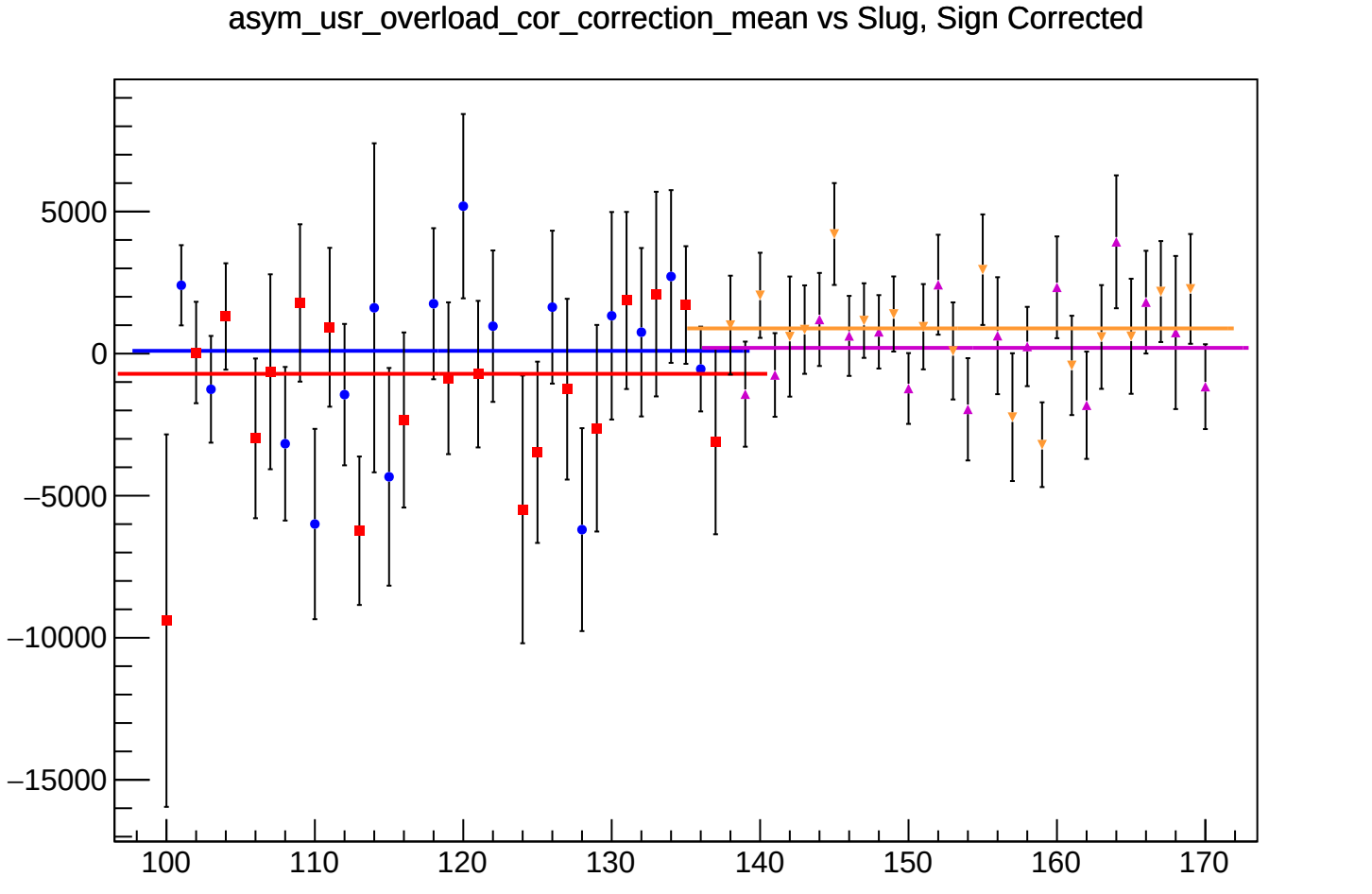
Left: 1092.730+/-0.150 χ^2/NDF: 6504.9/32

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

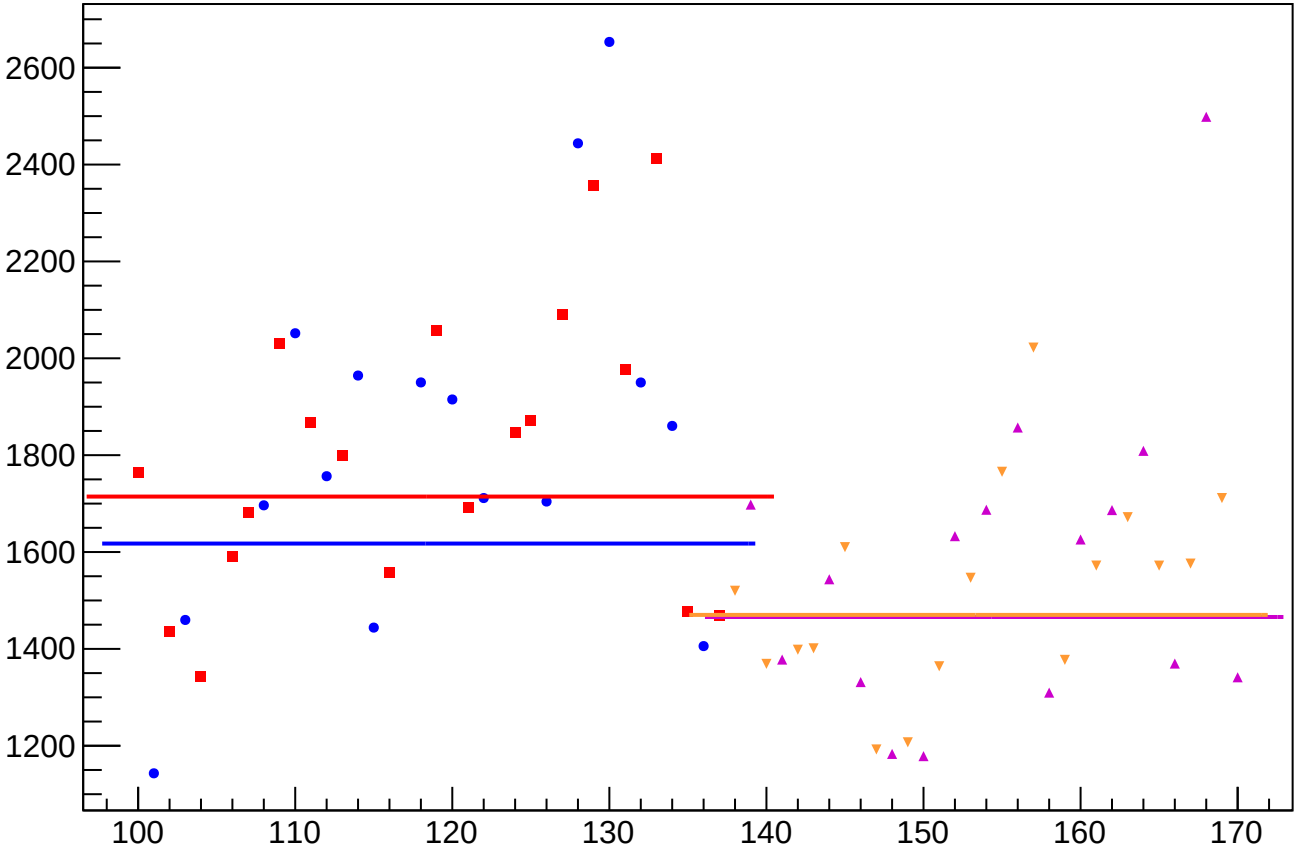
In: 1095.169+/-0.171 χ^2/NDF:16818.1/31

Out: 1097.000+/-0.169 χ^2/NDF:12797.4/35

All: 1096.094+/-0.120 χ^2/NDF: 29673.2/67


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 887.268+/-407.200 χ²/NDF:16.7/16
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: 201.706+/-410.846 χ²/NDF:13.0/15
Left: 547.543+/-289.214 χ²/NDF: 31.1/32
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: 169.810+/-342.288 χ²/NDF:30.3/31
Out: 424.144+/-343.182 χ²/NDF:36.1/35
All: 296.645+/-242.349 χ²/NDF: 66.7/67

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1470.187+/-0.288 χ^2/NDF:460985.6/16

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1465.869+/-0.291 χ^2/NDF:808855.7/15

Left: 1468.047+/-0.205 χ^2/NDF: 1269952.8/32

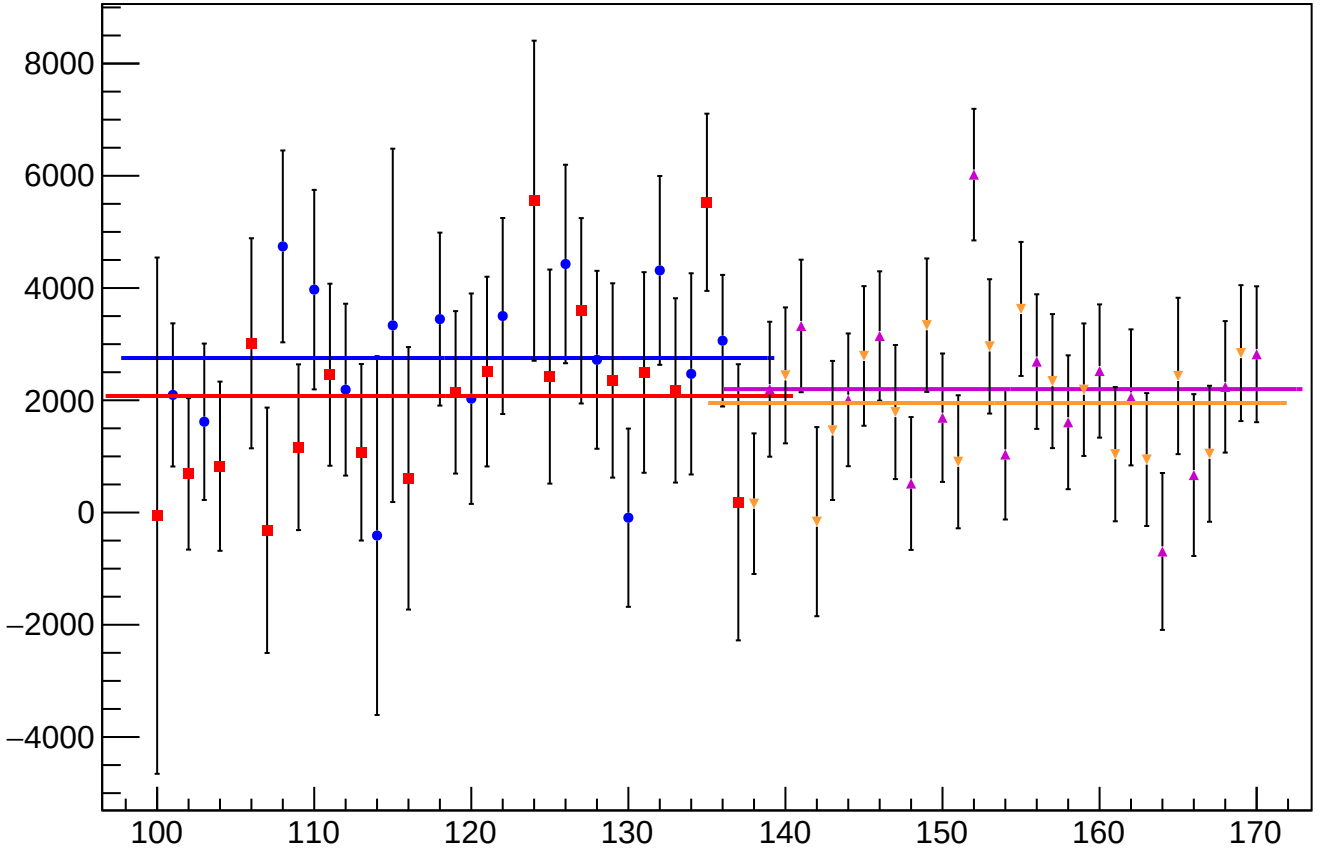
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1512.250+/-0.242 χ^2/NDF:1583905.0/31

Out: 1540.970+/-0.243 χ^2/NDF:1097290.6/35

All: 1526.573+/-0.171 χ^2/NDF: 2688217.6/67

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1951.407+/-298.833 χ^2/NDF:11.9/16

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.152+/-212.152 χ^2/NDF: 33.9/32

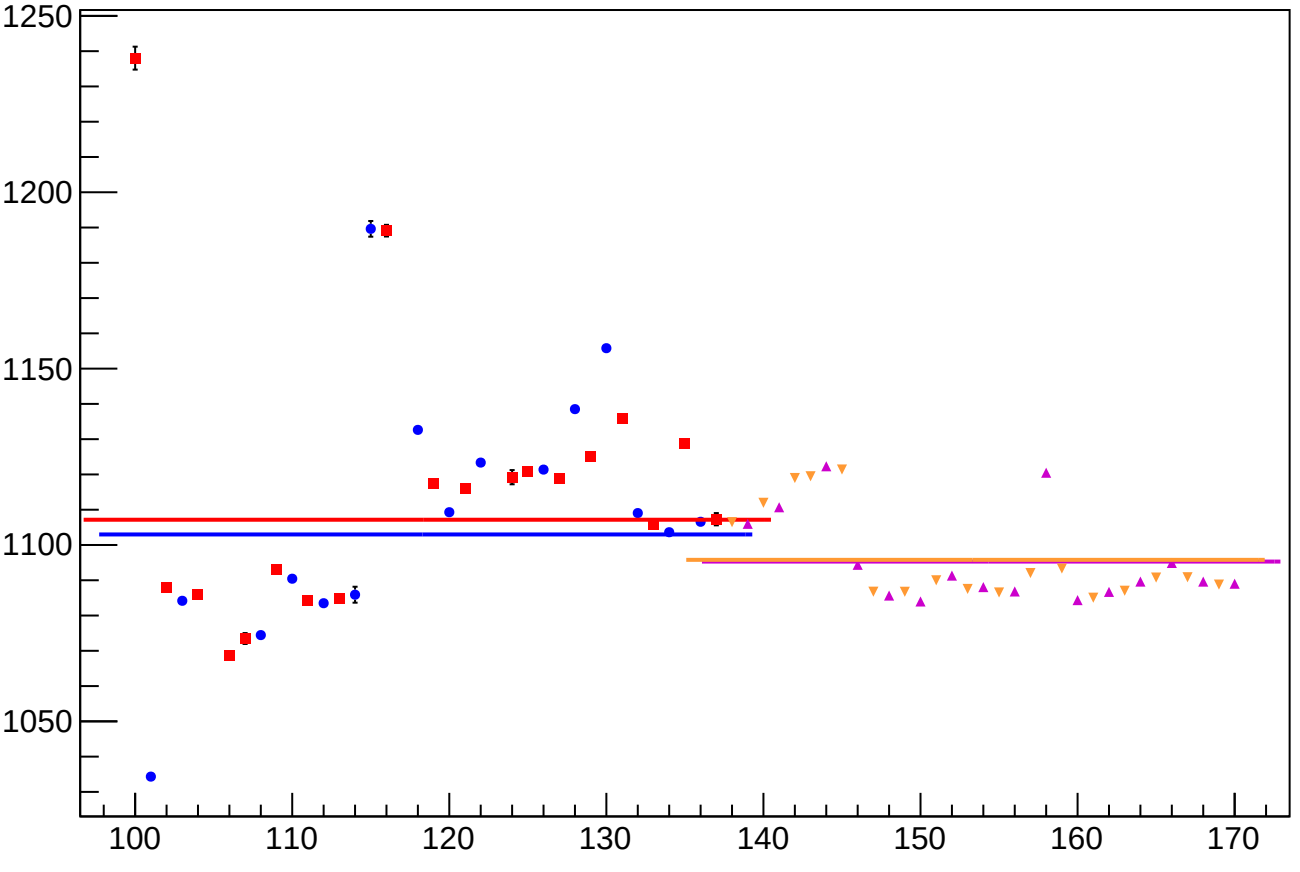
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1995.664+/-240.208 χ^2/NDF:24.5/35

All: 2192.402+/-170.735 χ^2/NDF: 58.2/67

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.788+/-0.211 χ^2/NDF:3378.6/16

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

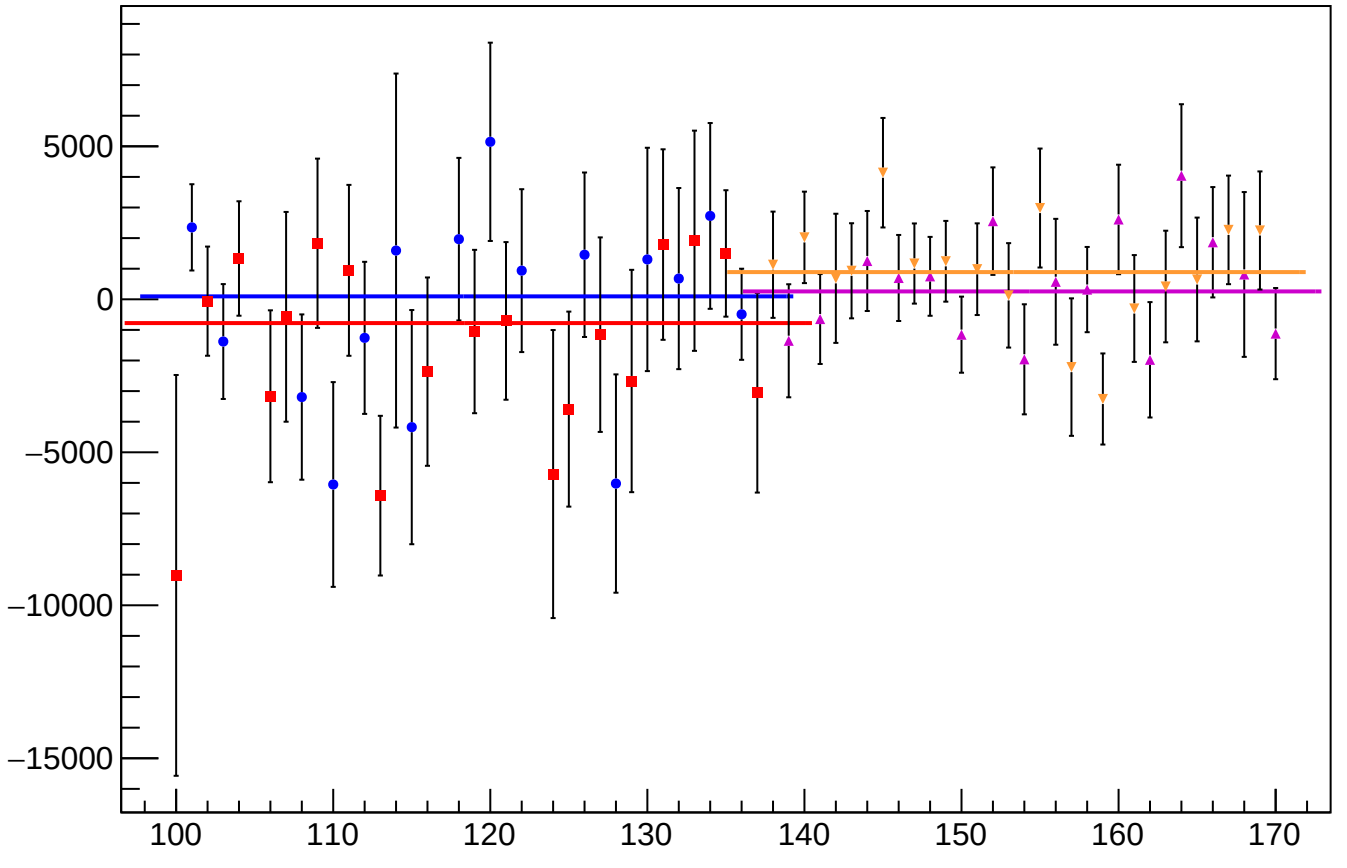
Left: 1095.545+/-0.150 χ^2/NDF: 6749.5/32

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

In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.812+/-0.170 χ^2/NDF:13086.7/35

All: 1098.913+/-0.121 χ^2/NDF: 30192.4/67



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 889.509+/-406.579 χ^2/NDF:16.7/16

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 257.666+/-410.230 χ^2/NDF:13.7/15

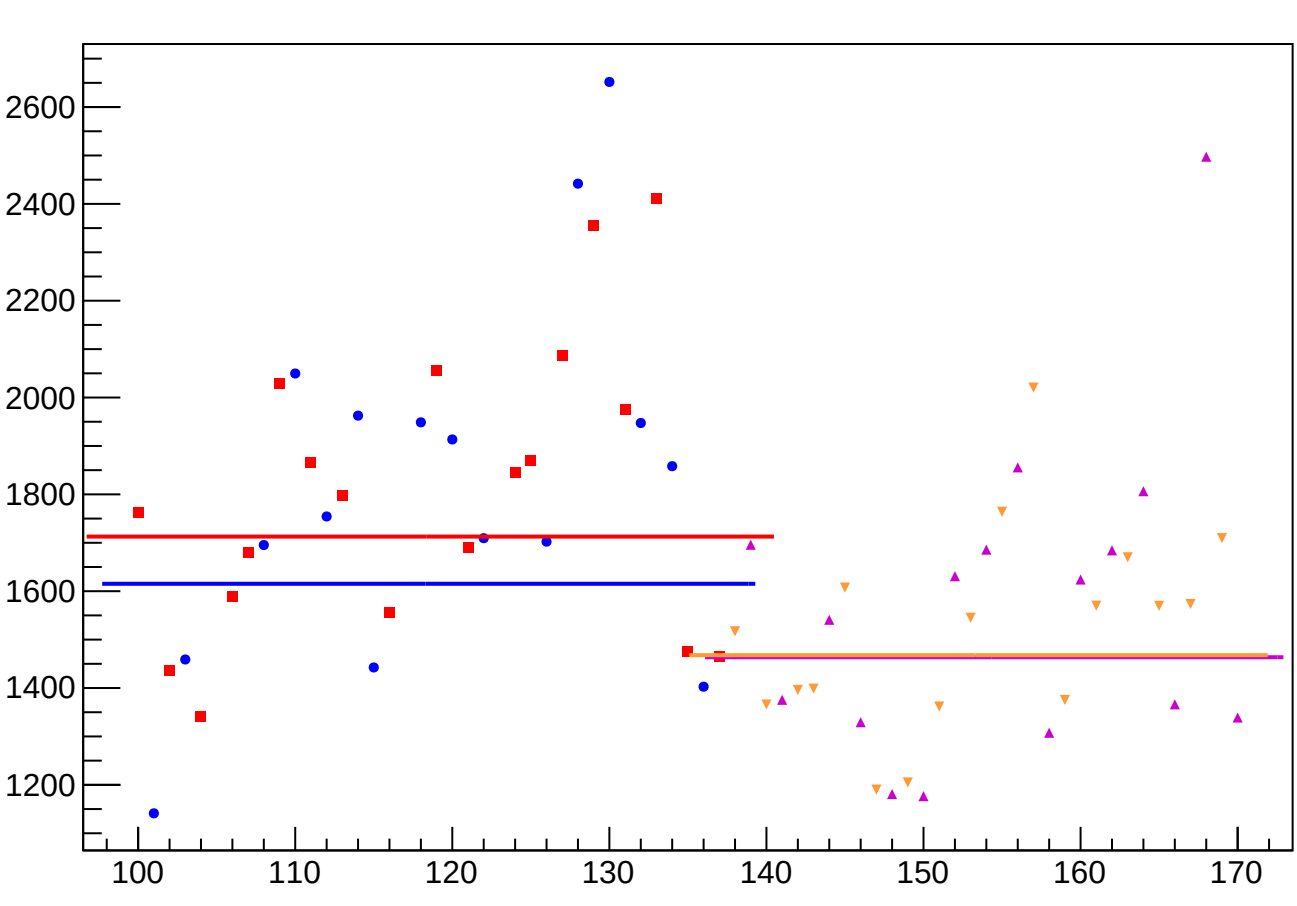
Left: 576.412+/-288.777 χ^2/NDF: 31.6/32

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

In: 208.216+/-341.799 χ^2/NDF:30.7/31

Out: 407.077+/-342.713 χ^2/NDF:36.6/35

All: 307.381+/-242.011 χ^2/NDF: 67.5/67



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1467.849+/-0.287 χ^2/NDF:462971.7/16

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

Left: 1465.726+/-0.204 χ^2/NDF: 1274822.4/32

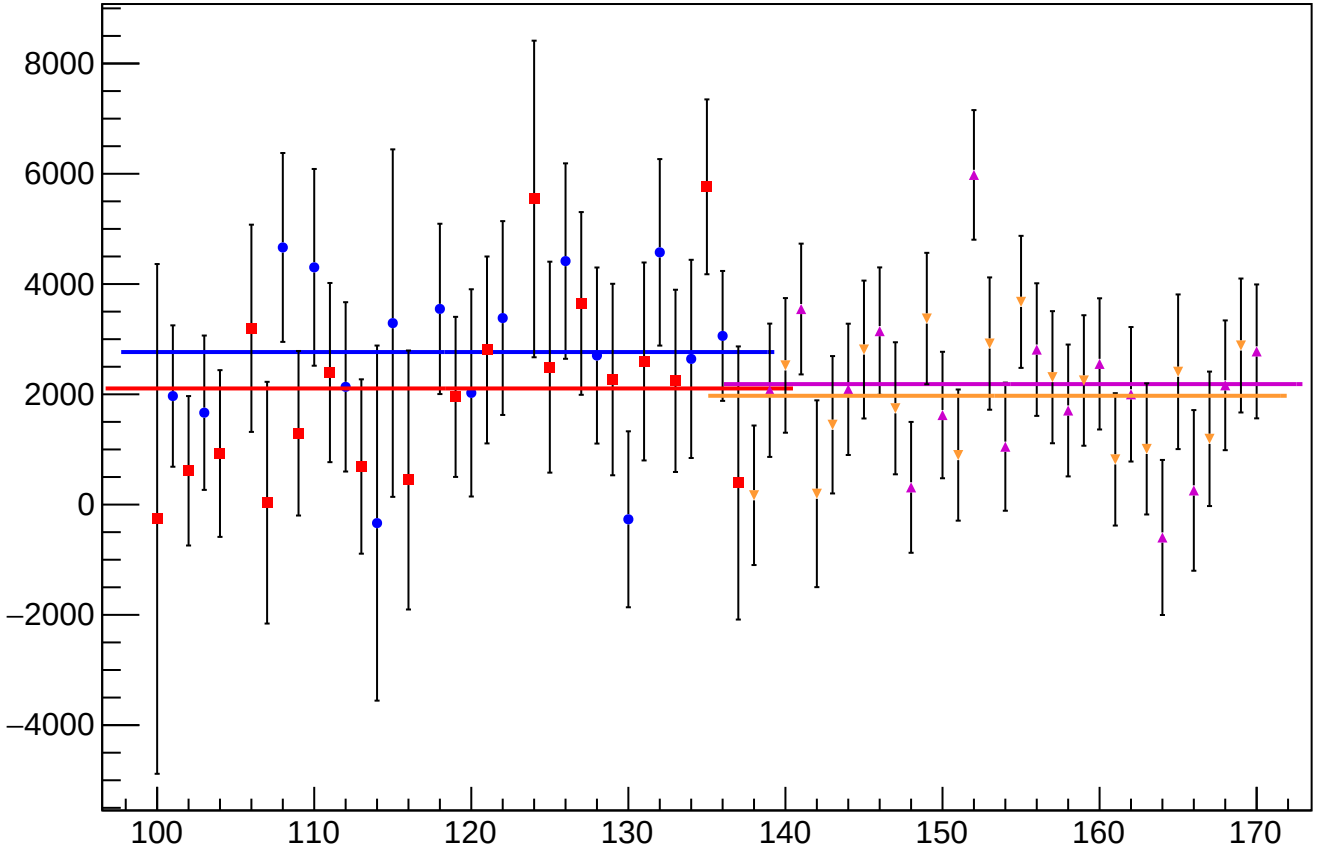
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1538.759+/-0.242 χ^2/NDF:1101182.5/35

All: 1524.326+/-0.171 χ^2/NDF: 2697316.6/67

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1973.432+/-300.163 χ^2/NDF:11.6/16

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2185.141+/-302.466 χ^2/NDF:22.6/15

Left: 2078.478+/-213.057 χ^2/NDF: 34.5/32

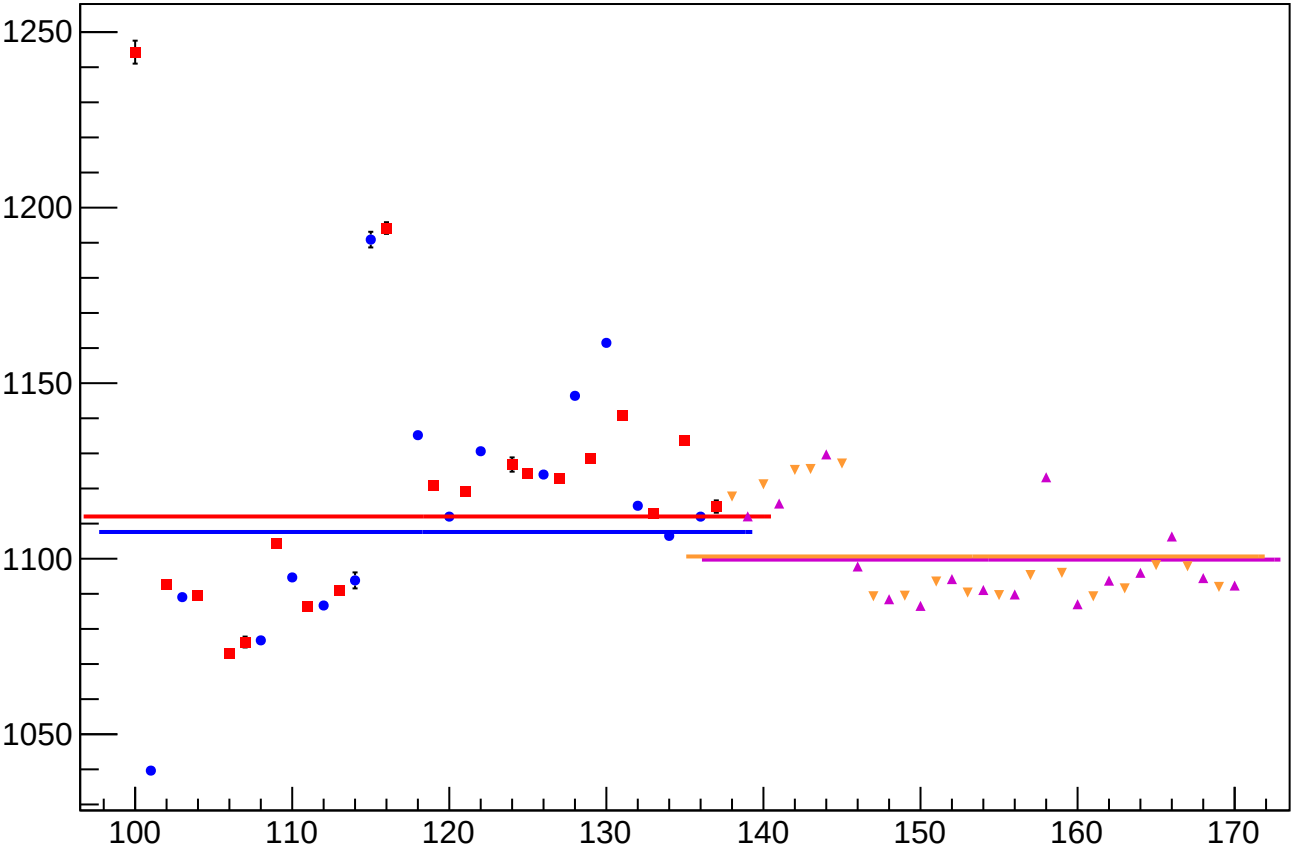
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2389.076+/-243.726 χ^2/NDF:34.2/31

Out: 2020.472+/-241.275 χ^2/NDF:25.1/35

All: 2202.912+/-171.467 χ^2/NDF: 60.4/67

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.639+/-0.212 χ^2/NDF:4278.2/16

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.743+/-0.214 χ^2/NDF:3795.4/15

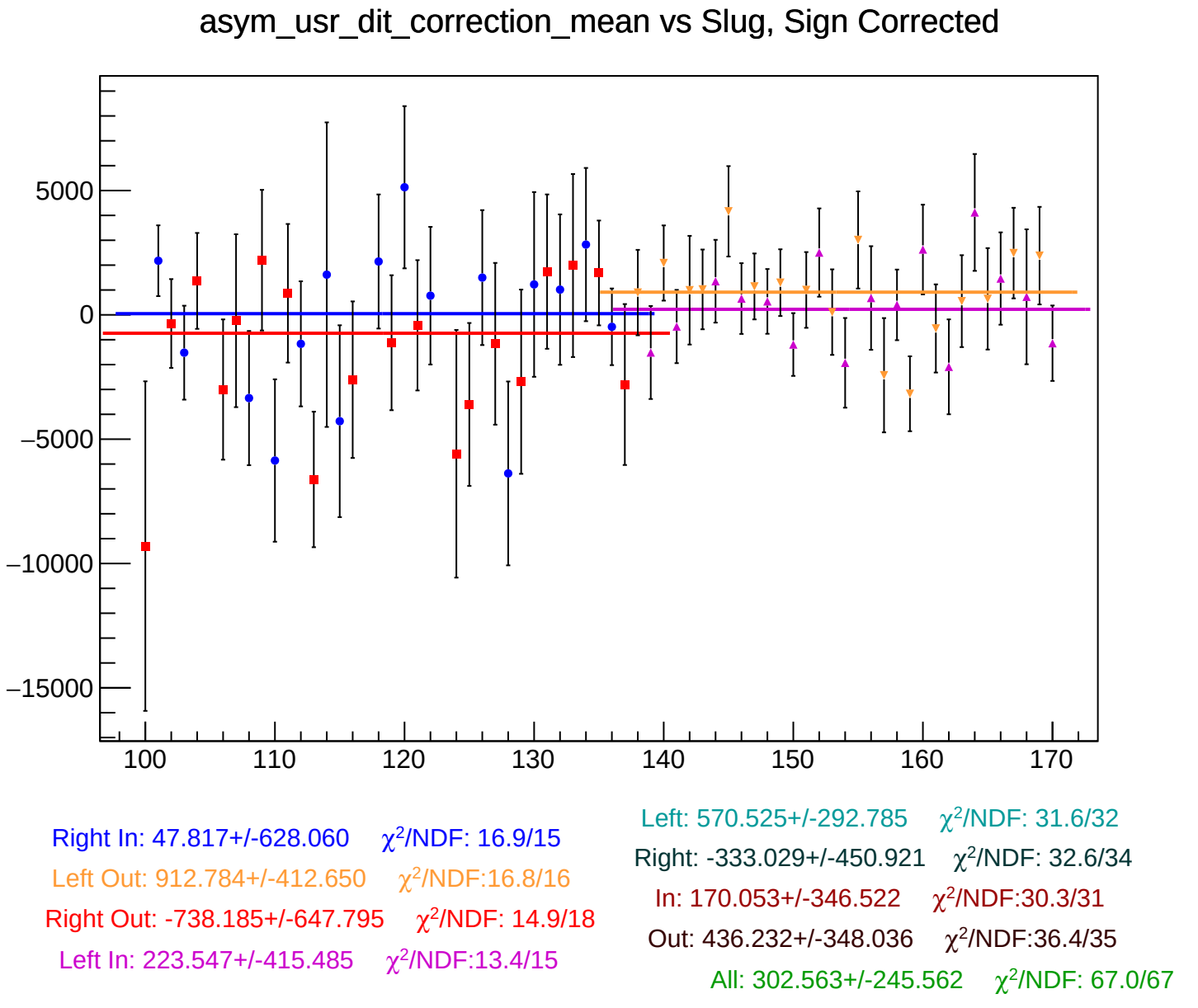
Left: 1100.194+/-0.151 χ^2/NDF: 8082.4/32

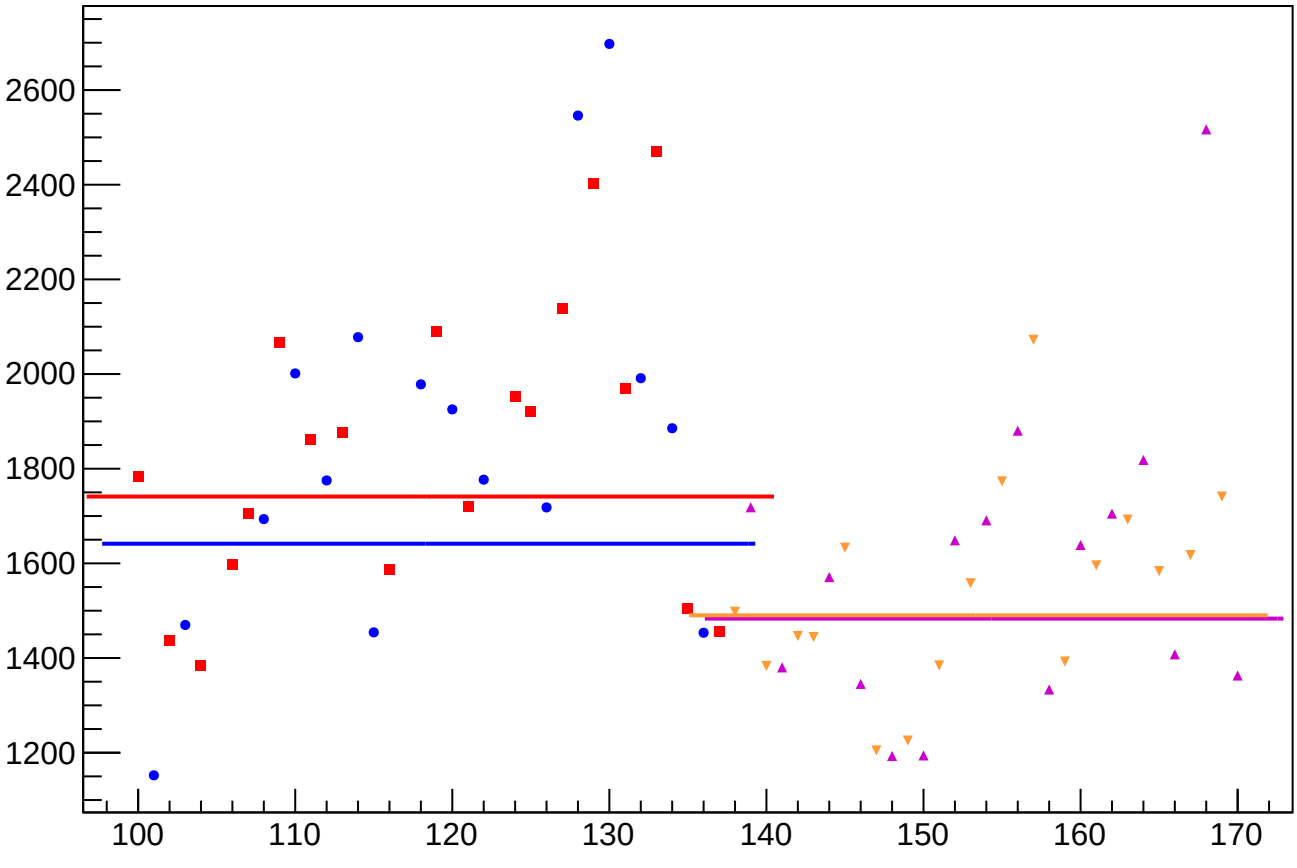
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.503+/-0.172 χ^2/NDF:17491.1/31

Out: 1104.670+/-0.171 χ^2/NDF:13950.8/35

All: 1103.597+/-0.121 χ^2/NDF: 31521.7/67


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 912.784+/-412.650 χ²/NDF:16.8/16
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 223.547+/-415.485 χ²/NDF:13.4/15
Left: 570.525+/-292.785 χ²/NDF: 31.6/32
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 170.053+/-346.522 χ²/NDF:30.3/31
Out: 436.232+/-348.036 χ²/NDF:36.4/35
All: 302.563+/-245.562 χ²/NDF: 67.0/67



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1490.274+/-0.292 χ^2/NDF:464295.0/16

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1483.299+/-0.294 χ^2/NDF:797371.6/15

Left: 1486.810+/-0.207 χ^2/NDF: 1261950.3/32

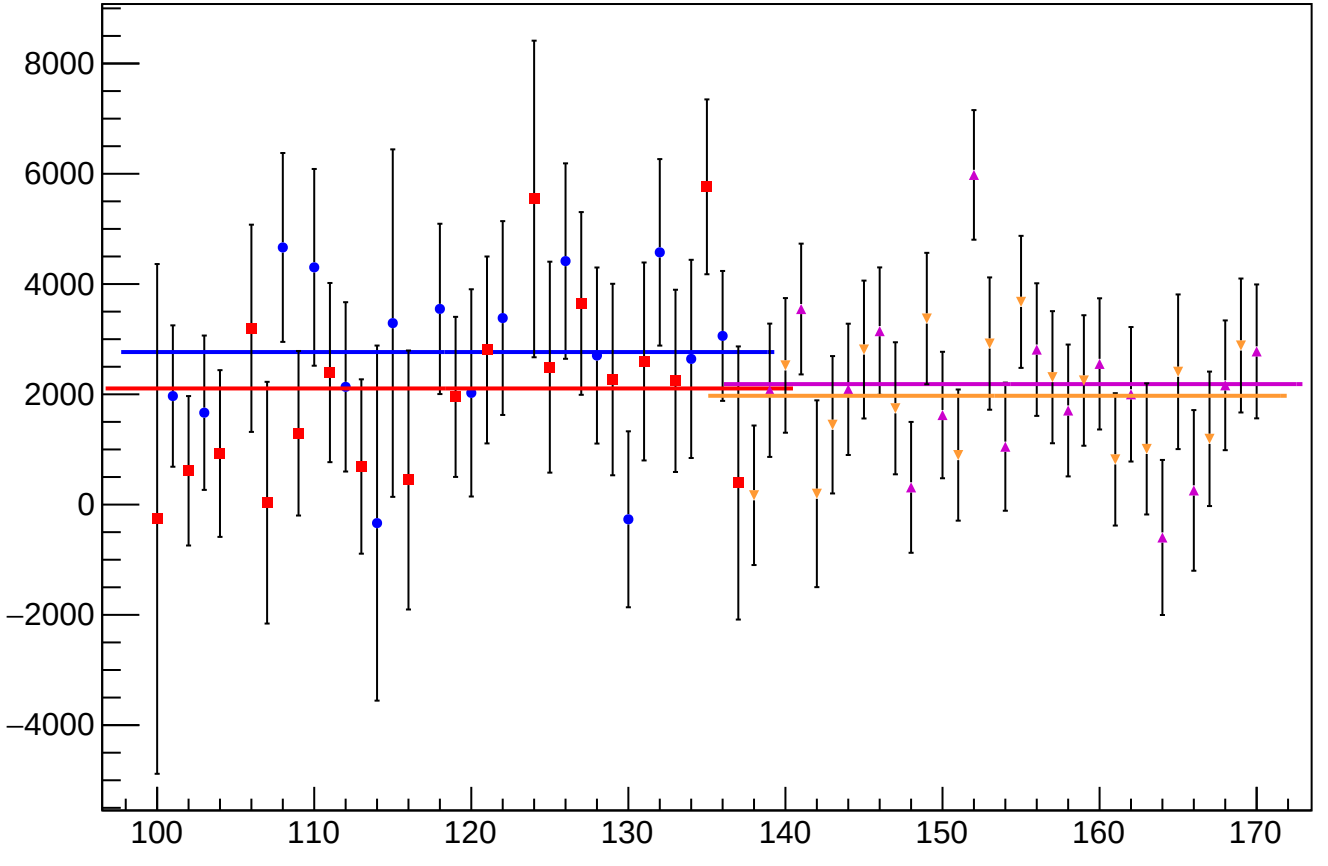
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1531.468+/-0.245 χ^2/NDF:1586992.6/31

Out: 1562.703+/-0.246 χ^2/NDF:1116098.5/35

All: 1547.018+/-0.174 χ^2/NDF: 2711180.6/67

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1973.430+/-300.163 χ^2/NDF:11.6/16

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

Left In: 2185.142+/-302.466 χ^2/NDF:22.6/15

Left: 2078.477+/-213.057 χ^2/NDF: 34.5/32

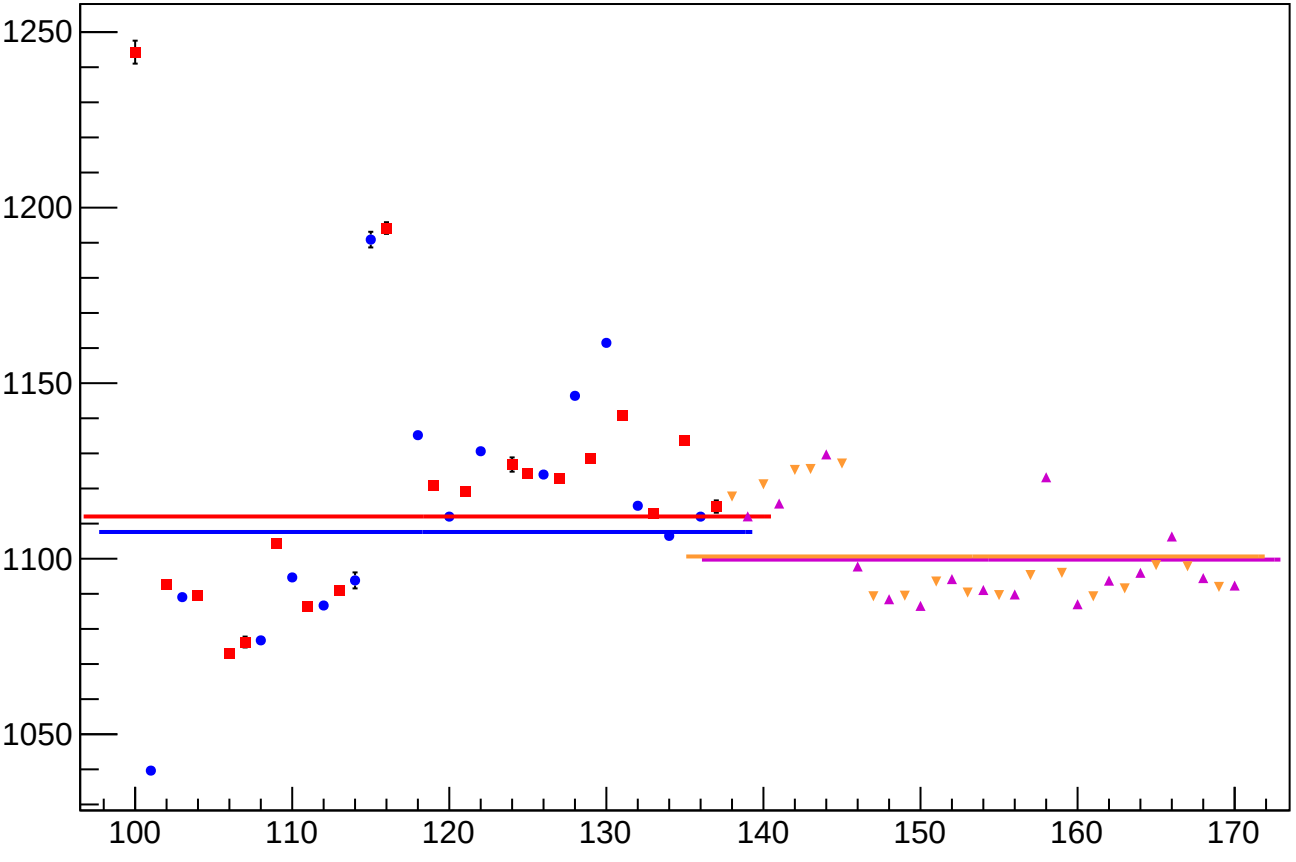
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2389.076+/-243.726 χ^2/NDF:34.2/31

Out: 2020.472+/-241.275 χ^2/NDF:25.1/35

All: 2202.912+/-171.467 χ^2/NDF: 60.4/67

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.639+/-0.212 χ^2/NDF:4278.2/16

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.743+/-0.214 χ^2/NDF:3795.4/15

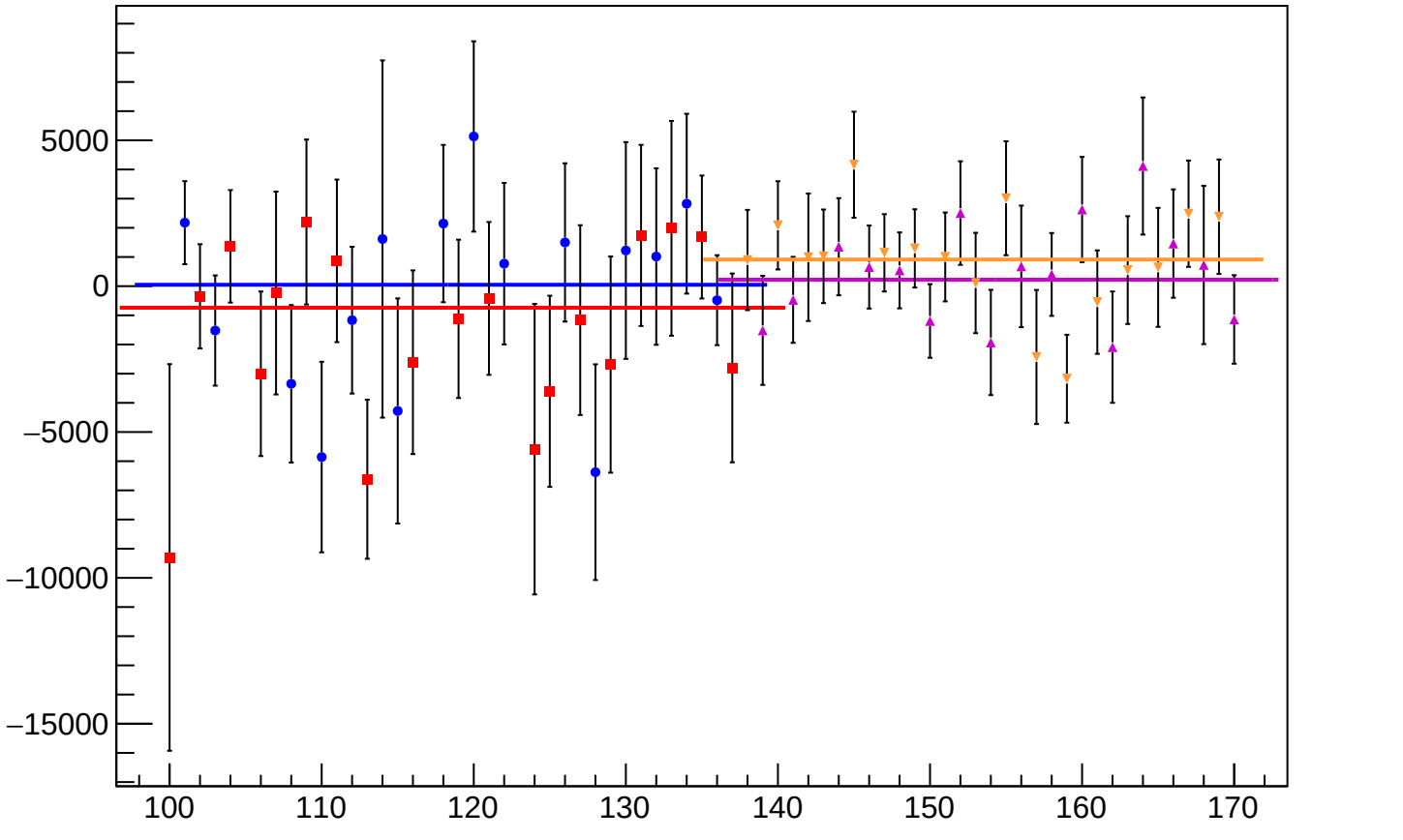
Left: 1100.195+/-0.151 χ^2/NDF: 8082.4/32

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

In: 1102.503+/-0.172 χ^2/NDF:17491.0/31

Out: 1104.670+/-0.171 χ^2/NDF:13950.8/35

All: 1103.597+/-0.121 χ^2/NDF: 31521.6/67



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 912.783+/-412.651 χ^2/NDF:16.8/16

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 223.548+/-415.486 χ^2/NDF:13.4/15

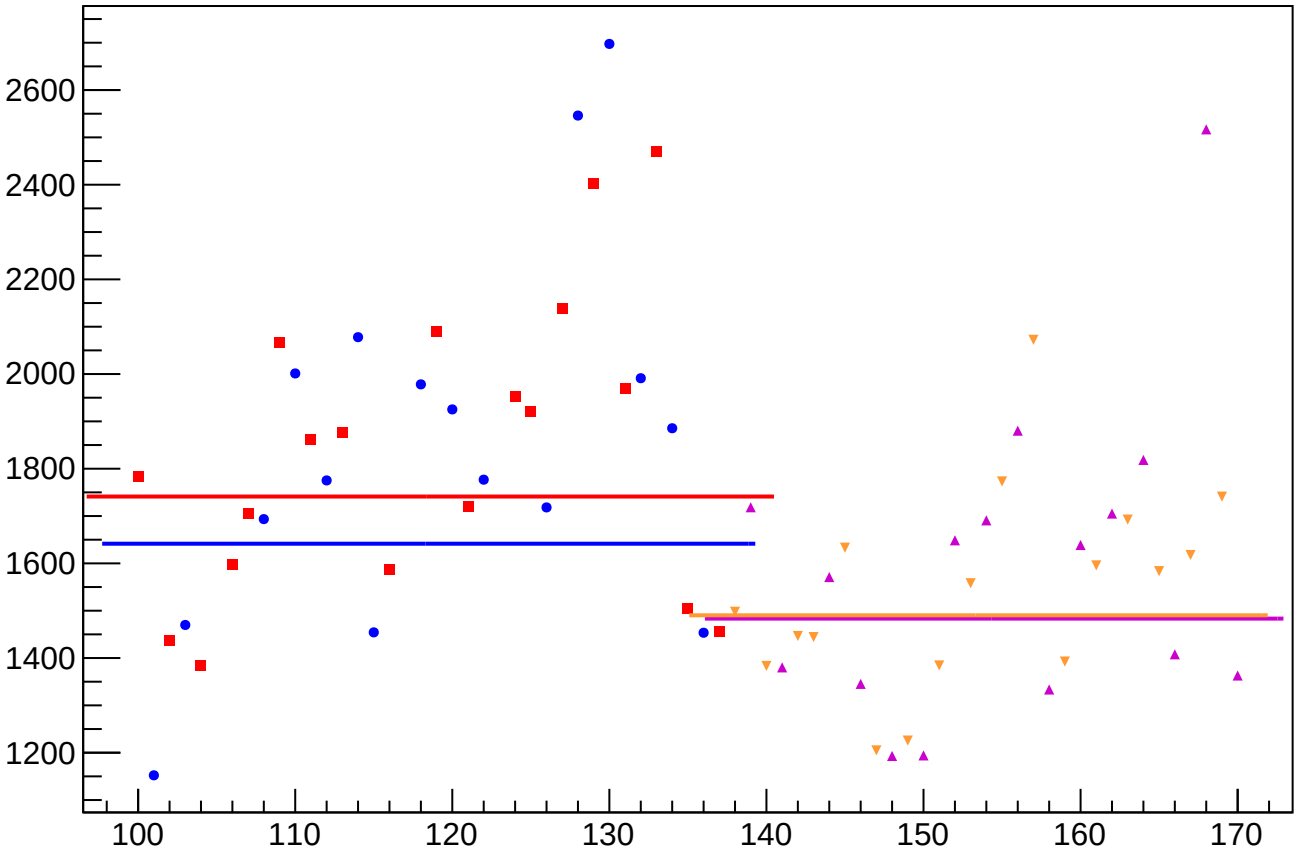
Left: 570.525+/-292.785 χ^2/NDF: 31.6/32

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

In: 170.052+/-346.523 χ^2/NDF:30.3/31

Out: 436.227+/-348.036 χ^2/NDF:36.4/35

All: 302.560+/-245.562 χ^2/NDF: 67.0/67



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1490.277+/-0.292 χ^2/NDF:464299.3/16

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1483.302+/-0.294 χ^2/NDF:797377.3/15

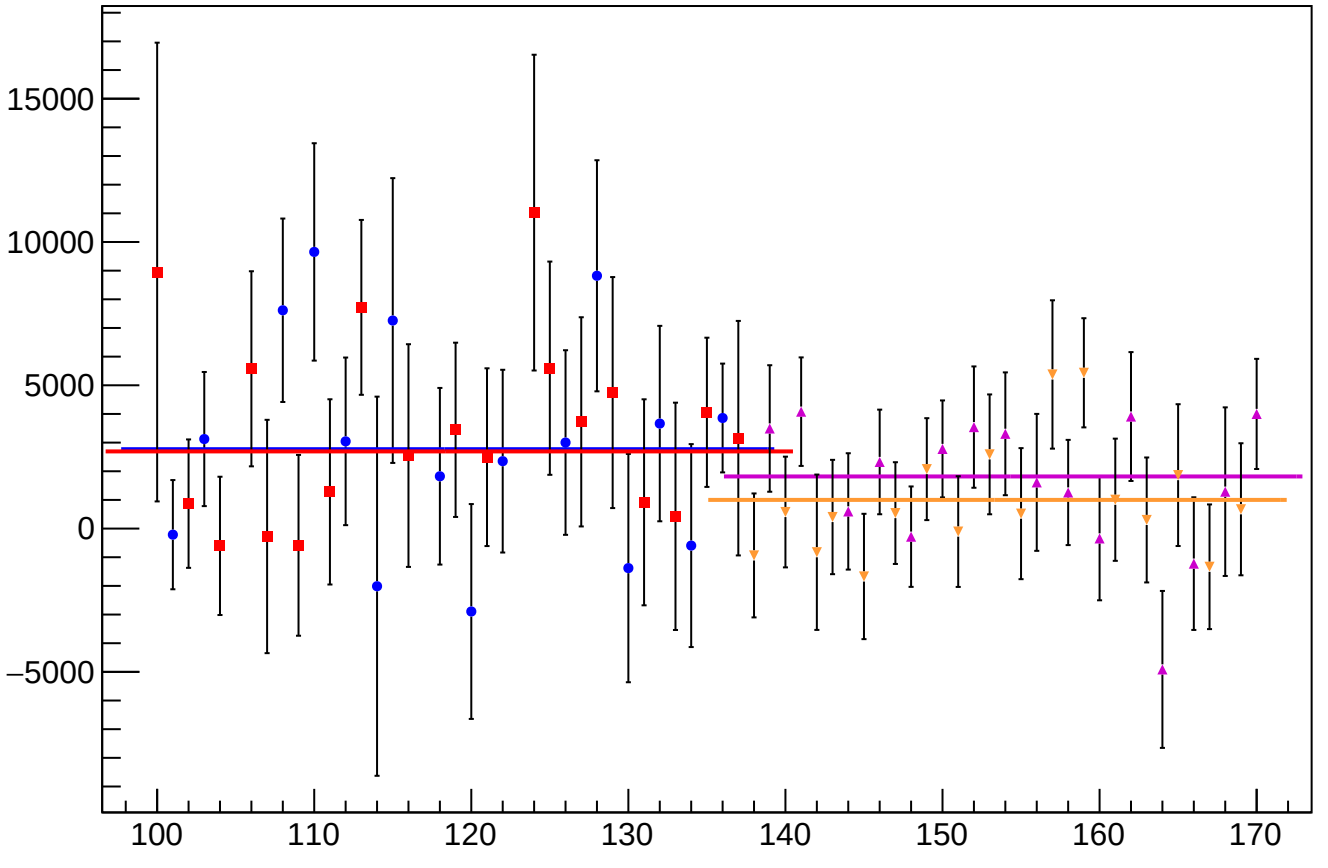
Left: 1486.814+/-0.207 χ^2/NDF: 1261960.4/32

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

In: 1531.471+/-0.245 χ^2/NDF:1586979.7/31

Out: 1562.706+/-0.246 χ^2/NDF:1116082.4/35

All: 1547.020+/-0.174 χ^2/NDF: 2711151.8/67



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1000.616+/-511.738 χ^2/NDF:13.9/16

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1818.949+/-517.532 χ^2/NDF:16.4/15

Left: 1405.176+/-363.885 χ^2/NDF: 31.6/32

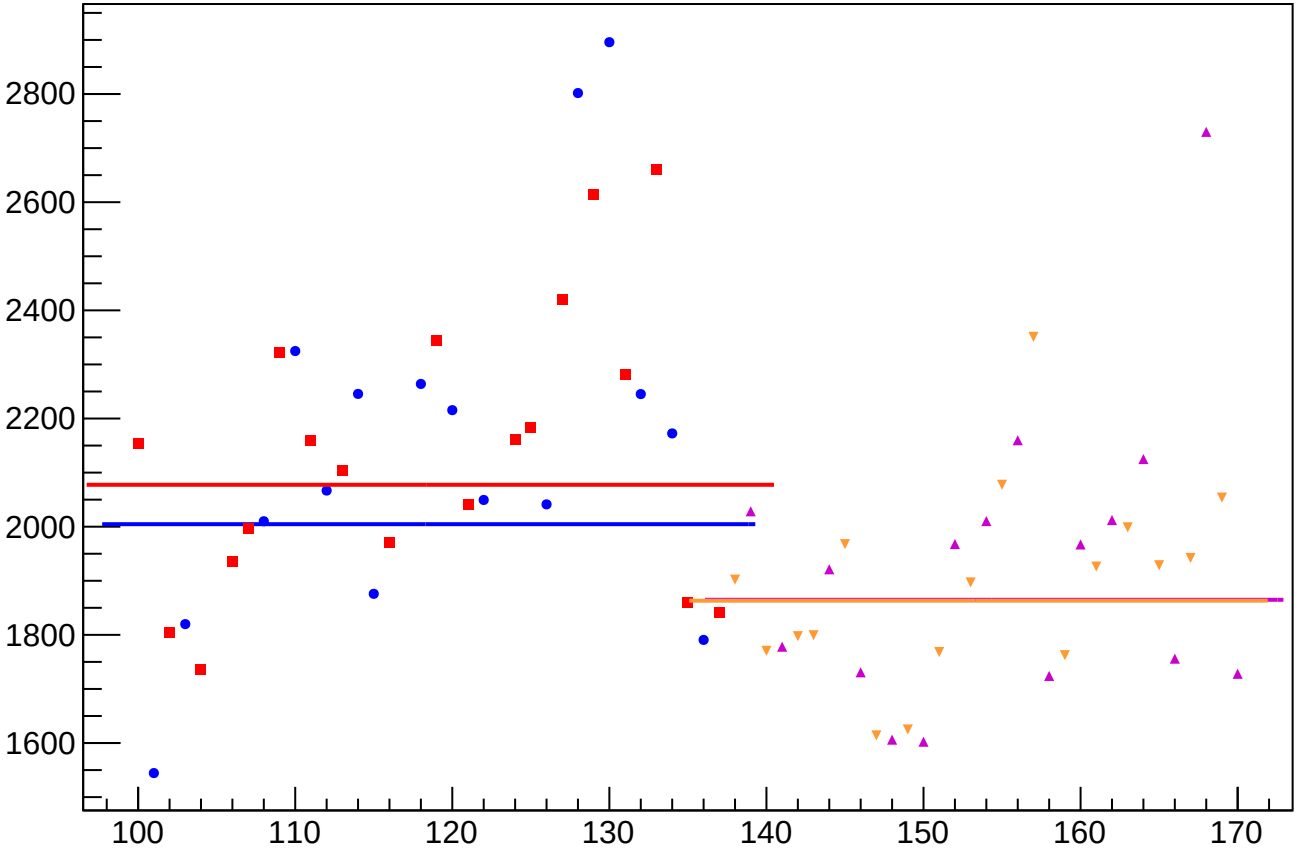
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2121.803+/-427.252 χ^2/NDF:33.9/31

Out: 1522.979+/-425.475 χ^2/NDF:29.9/35

All: 1821.143+/-301.482 χ^2/NDF: 64.8/67

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1863.195+/-0.362 χ^2/NDF:215083.8/16

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1864.865+/-0.366 χ^2/NDF:394167.3/15

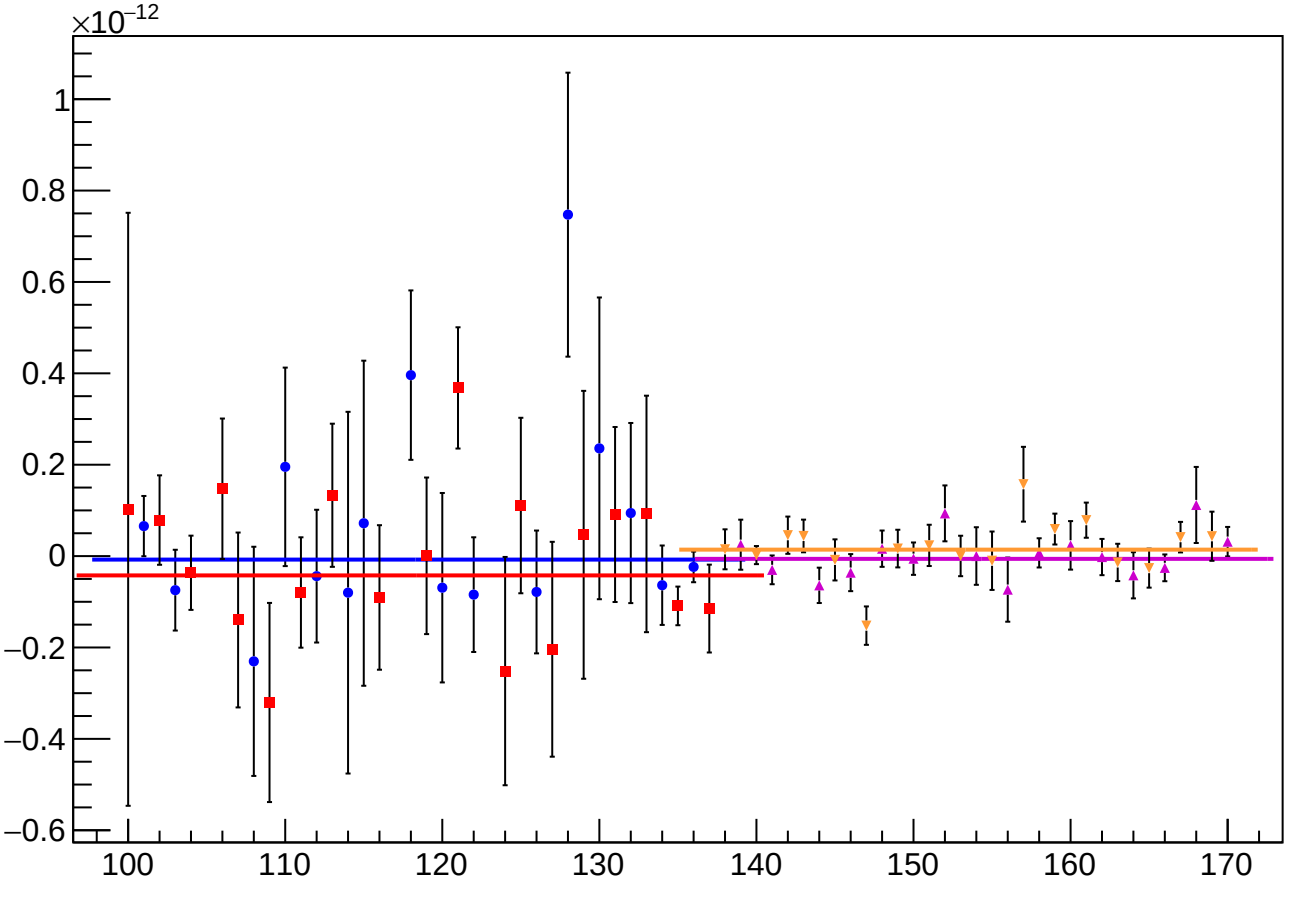
Left: 1864.021+/-0.257 χ^2/NDF: 609261.6/32

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

In: 1909.376+/-0.302 χ^2/NDF:828189.7/31

Out: 1929.356+/-0.301 χ^2/NDF:553850.9/35

All: 1919.408+/-0.213 χ^2/NDF: 1384236.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/15

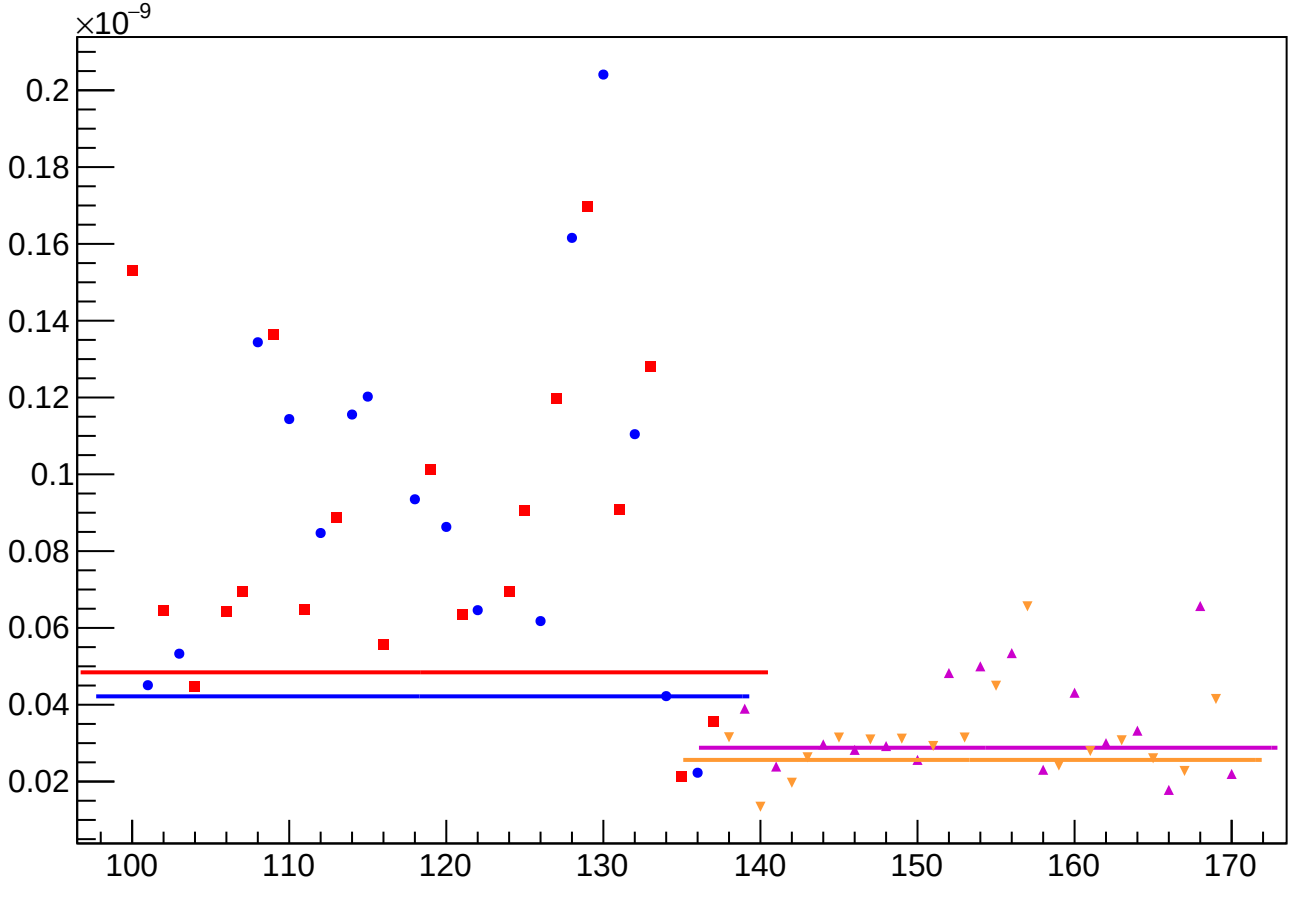
Left: 0.000+/-0.000 χ^2/NDF: 42.4/32

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

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:53.5/35

All: 0.000+/-0.000 χ^2/NDF: 83.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1878752.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1800289.0/15

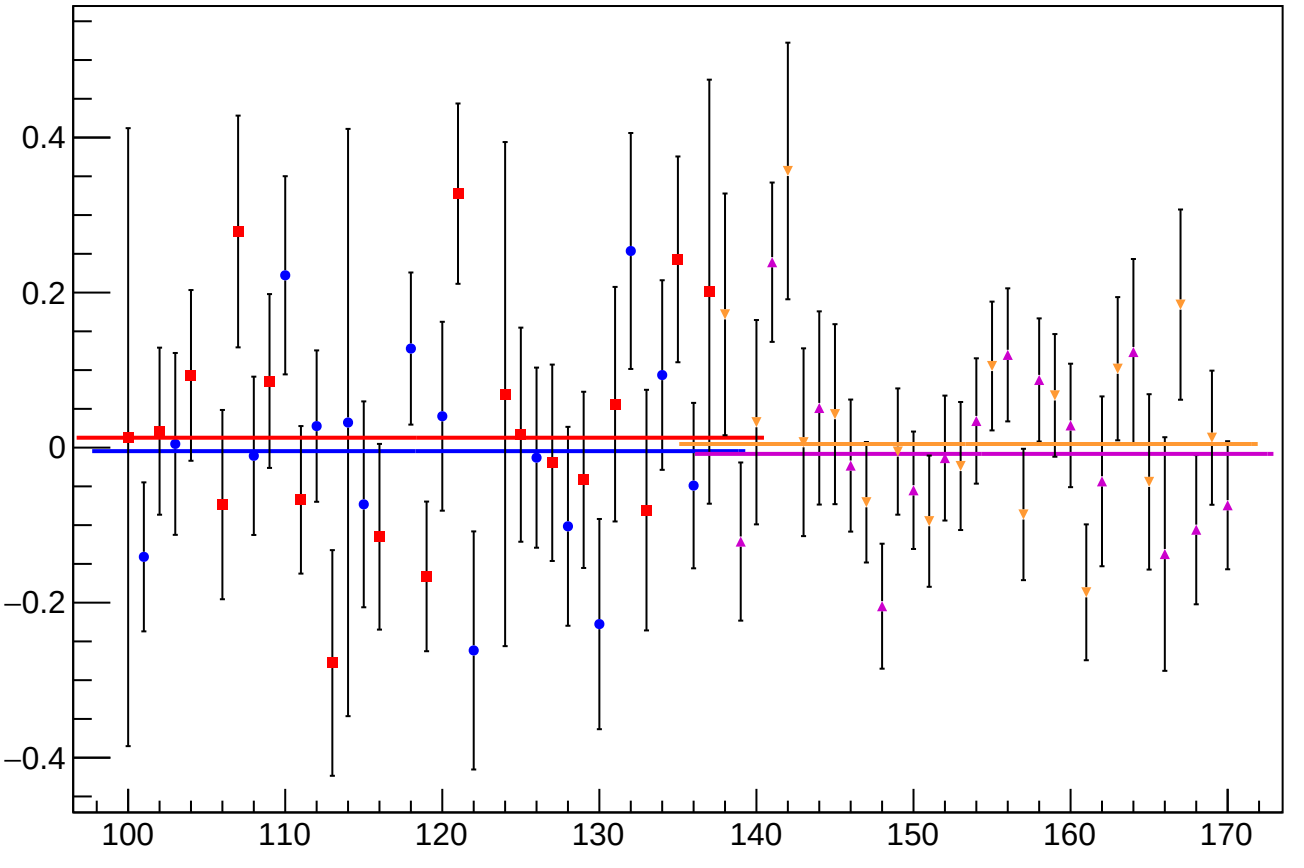
Left: 0.000+/-0.000 χ^2/NDF: 3782669.3/32

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

In: 0.000+/-0.000 χ^2/NDF:5248234.6/31

Out: 0.000+/-0.000 χ^2/NDF:5755826.2/35

All: 0.000+/-0.000 χ^2/NDF: 11095611.5/67



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.005+/-0.023 χ^2/NDF:19.7/16

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.023 χ^2/NDF:21.5/15

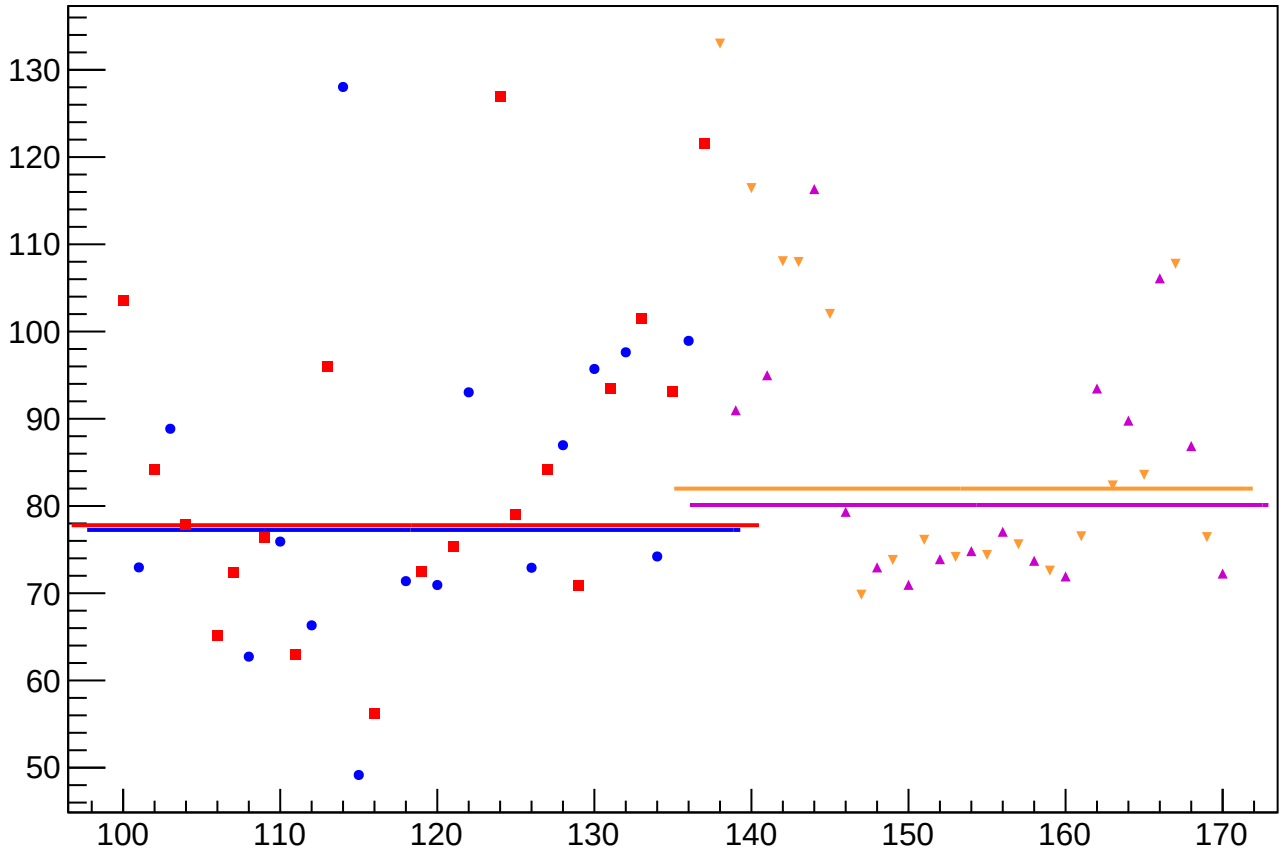
Left: -0.002+/-0.016 χ^2/NDF: 41.4/32

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.008+/-0.018 χ^2/NDF:45.3/35

All: 0.000+/-0.013 χ^2/NDF: 84.4/67



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.994+/-0.016 χ^2/NDF:809703.1/16

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.116+/-0.016 χ^2/NDF:465884.9/15

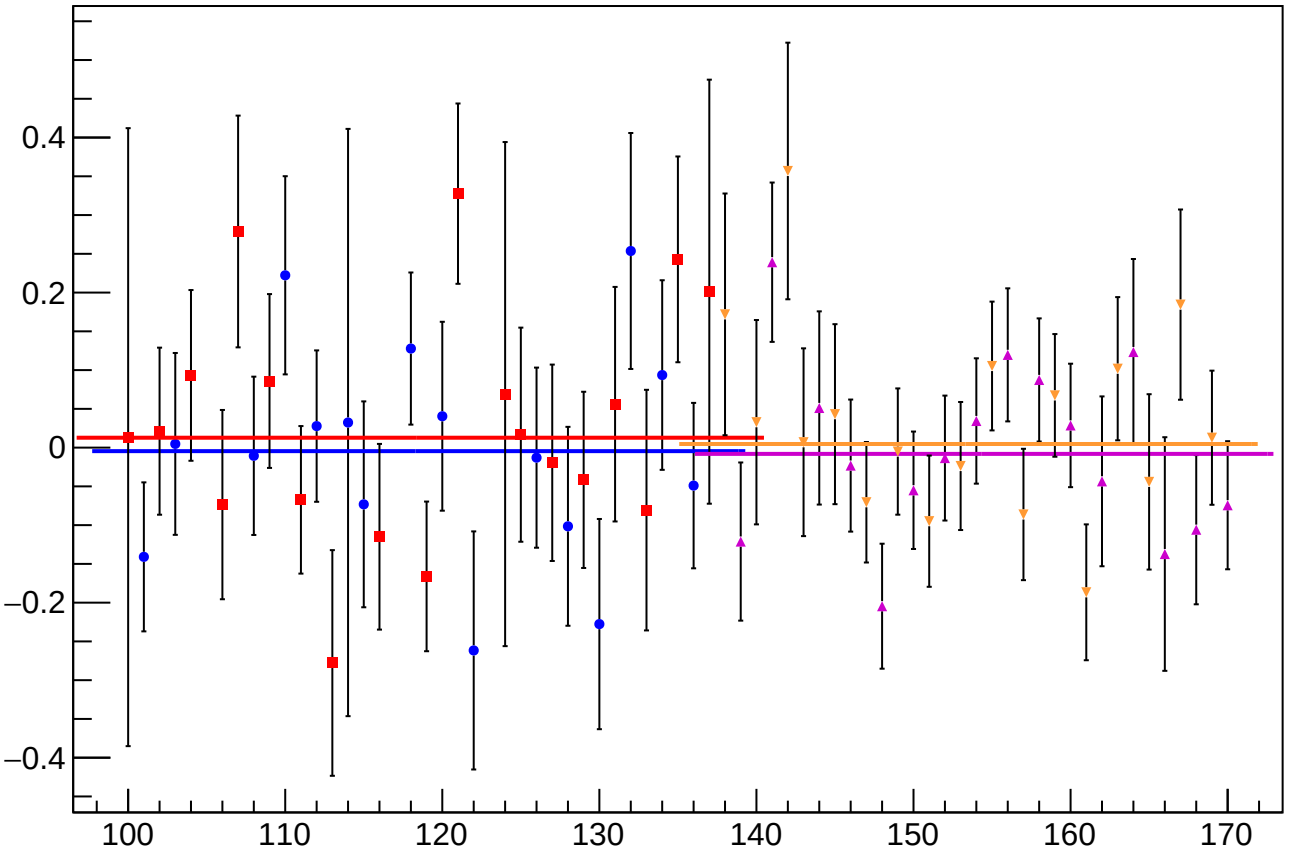
Left: 81.035+/-0.011 χ^2/NDF: 1282245.8/32

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

In: 79.075+/-0.013 χ^2/NDF:896671.2/31

Out: 80.400+/-0.013 χ^2/NDF:1230920.7/35

All: 79.731+/-0.009 χ^2/NDF: 2132876.4/67



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.005+/-0.023 χ^2/NDF:19.7/16

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.023 χ^2/NDF:21.5/15

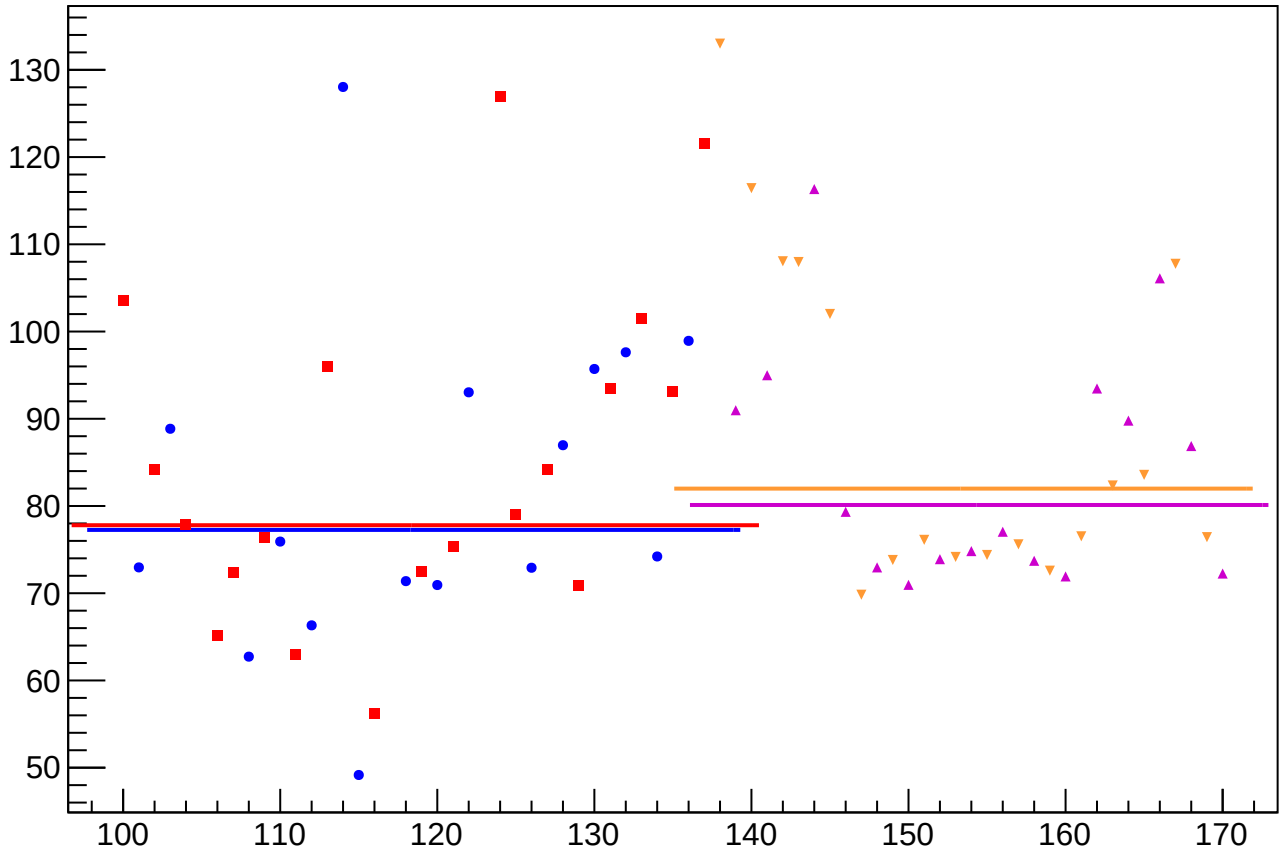
Left: -0.002+/-0.016 χ^2/NDF: 41.4/32

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.008+/-0.018 χ^2/NDF:45.3/35

All: 0.000+/-0.013 χ^2/NDF: 84.4/67



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.994+/-0.016 χ^2/NDF:809703.1/16

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.116+/-0.016 χ^2/NDF:465884.9/15

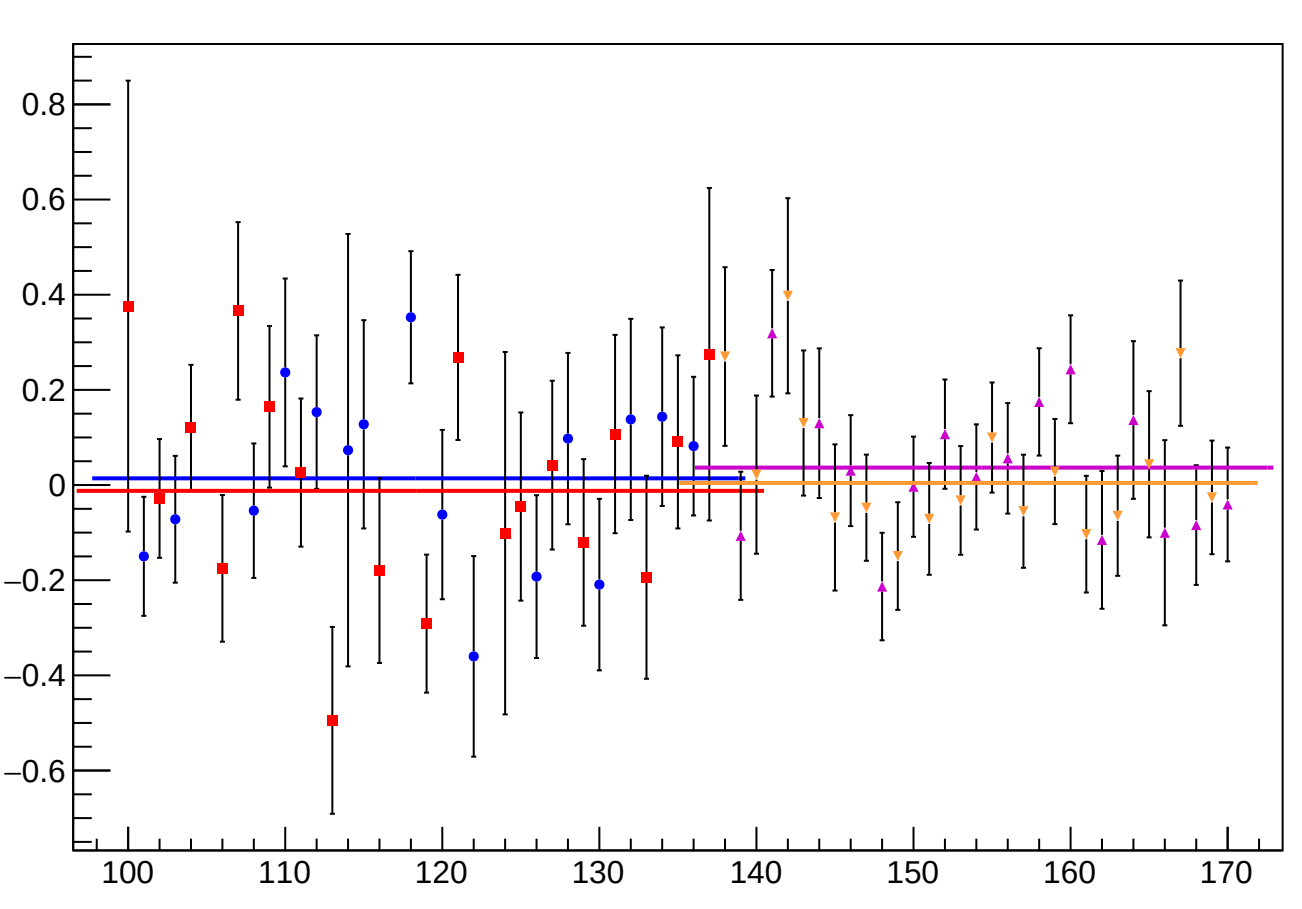
Left: 81.035+/-0.011 χ^2/NDF: 1282245.8/32

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

In: 79.075+/-0.013 χ^2/NDF:896671.2/31

Out: 80.400+/-0.013 χ^2/NDF:1230920.7/35

All: 79.731+/-0.009 χ^2/NDF: 2132876.4/67



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.004+/-0.032 χ^2/NDF:14.5/16

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.037+/-0.031 χ^2/NDF:19.6/15

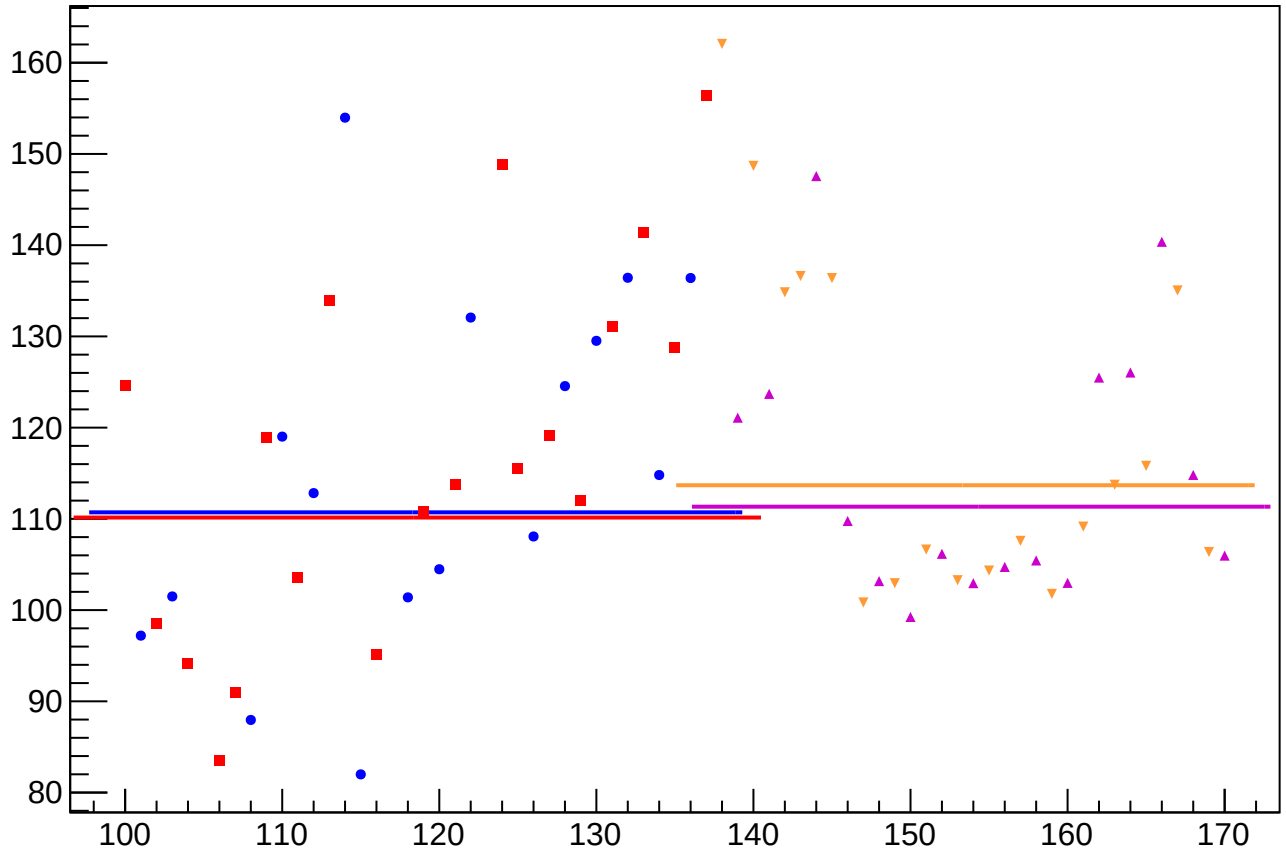
Left: 0.021+/-0.022 χ^2/NDF: 34.7/32

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.029+/-0.025 χ^2/NDF:38.0/31

Out: -0.002+/-0.025 χ^2/NDF:38.4/35

All: 0.013+/-0.018 χ^2/NDF: 77.1/67



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.686+/-0.022 χ^2/NDF:491484.2/16

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.336+/-0.022 χ^2/NDF:294452.0/15

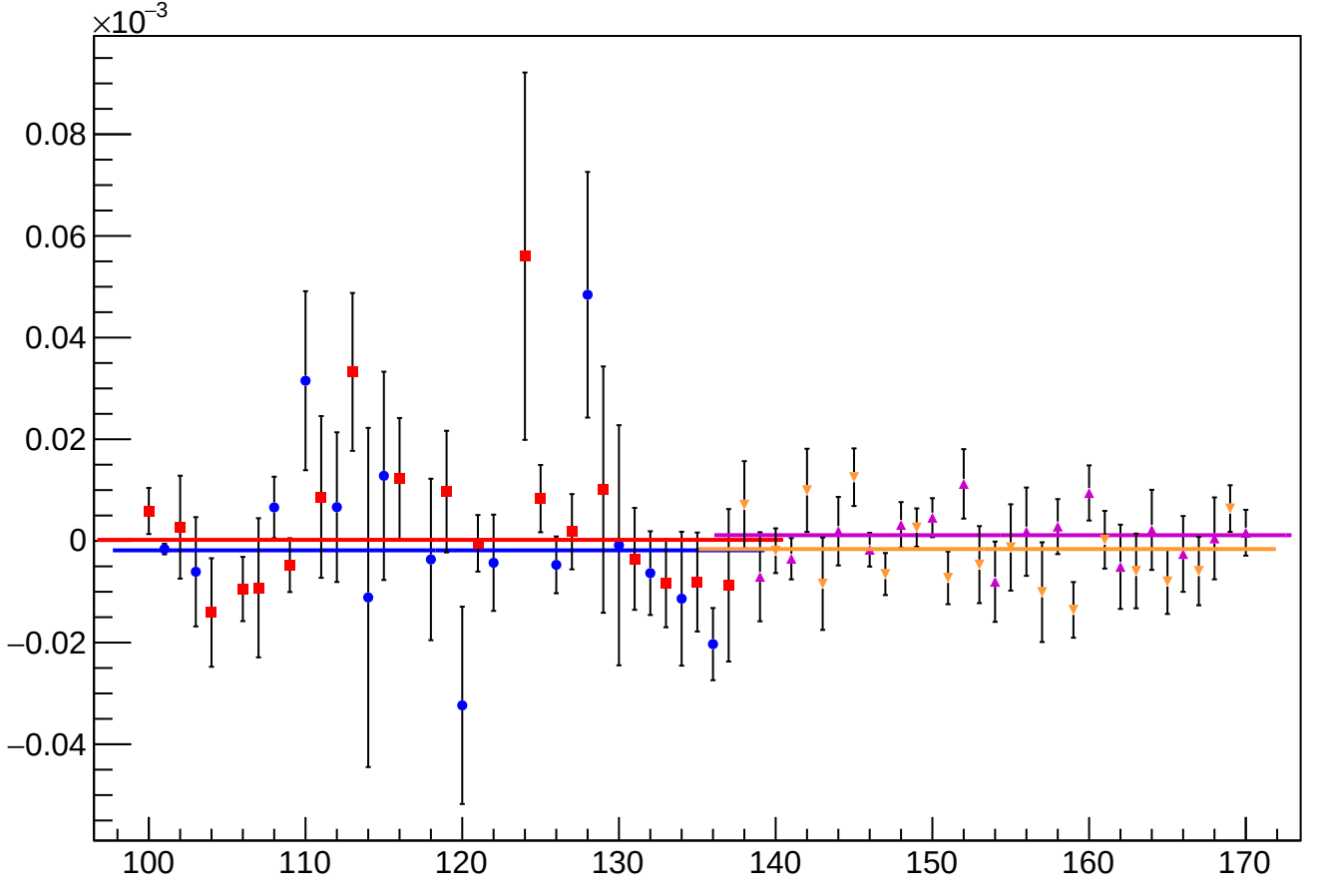
Left: 112.492+/-0.016 χ^2/NDF: 791509.4/32

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

In: 111.117+/-0.018 χ^2/NDF:594704.8/31

Out: 112.372+/-0.018 χ^2/NDF:827453.5/35

All: 111.743+/-0.013 χ^2/NDF: 1424652.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/15

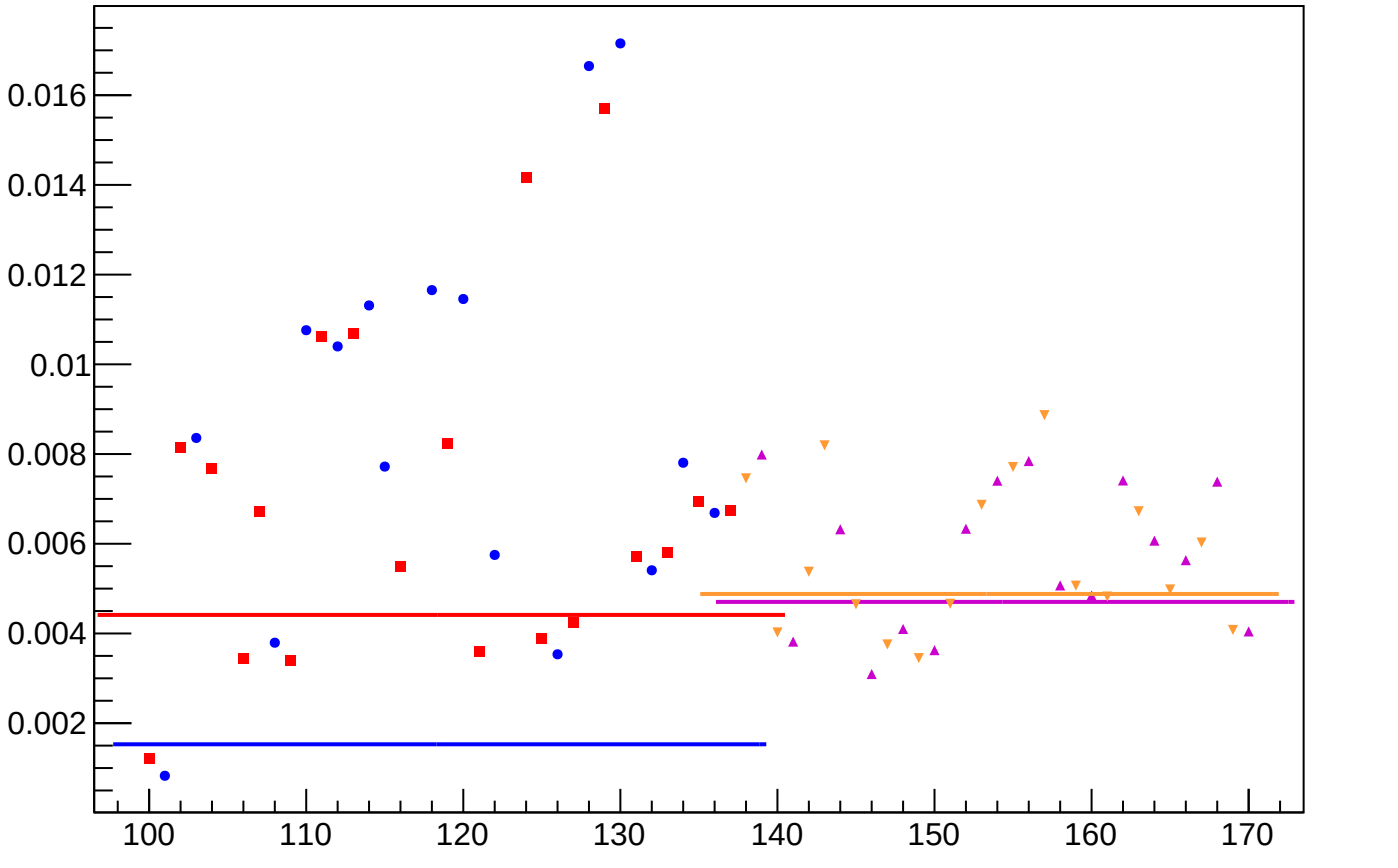
Left: -0.000+/-0.000 χ^2/NDF: 36.9/32

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

In: -0.000+/-0.000 χ^2/NDF:35.3/31

Out: -0.000+/-0.000 χ^2/NDF:44.7/35

All: -0.000+/-0.000 χ^2/NDF: 80.0/67



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1908980.4/16

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2345162.8/15

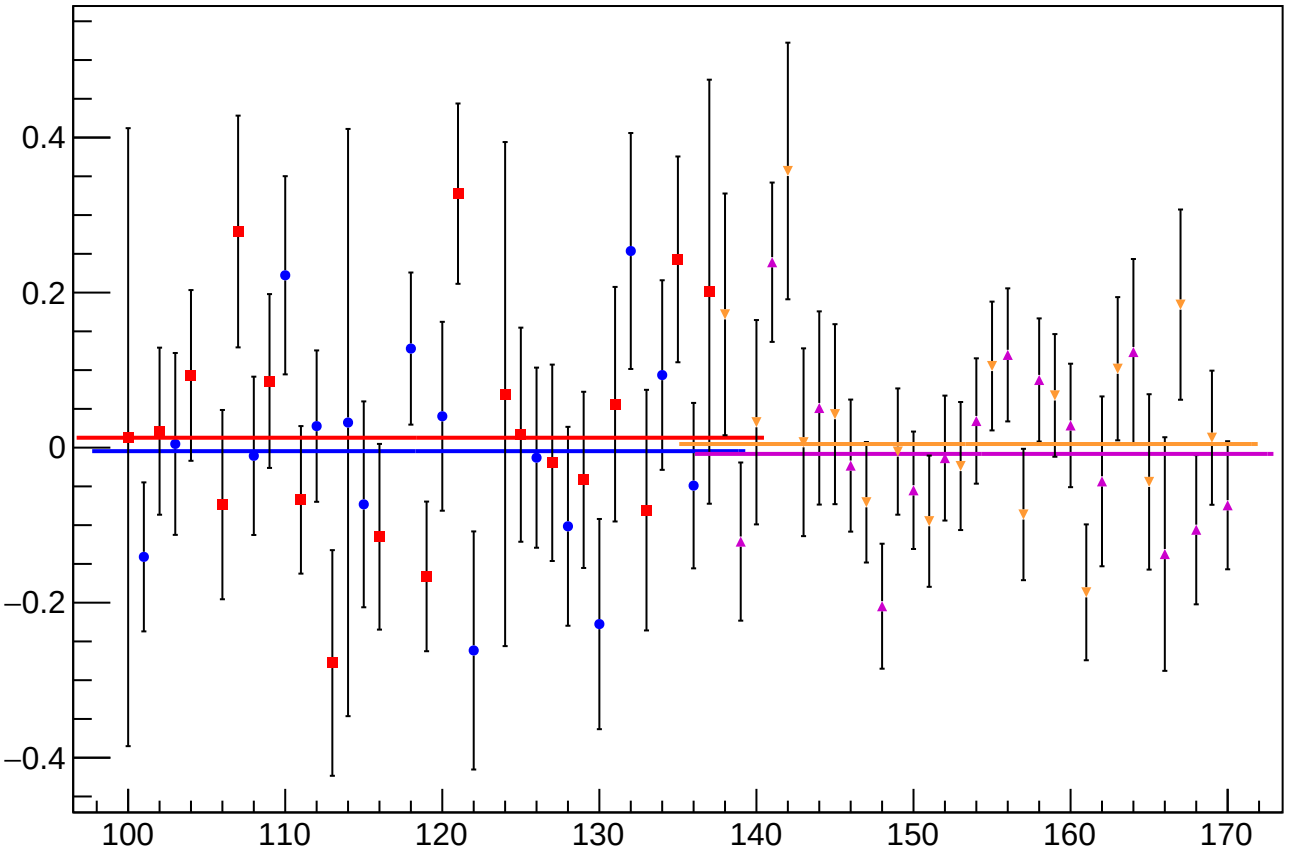
Left: 0.005+/-0.000 χ^2/NDF: 4270489.4/32

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

In: 0.003+/-0.000 χ^2/NDF:18737538.2/31

Out: 0.005+/-0.000 χ^2/NDF:5373957.0/35

All: 0.003+/-0.000 χ^2/NDF: 28809913.5/67



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.005+/-0.023 χ^2/NDF:19.7/16

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.023 χ^2/NDF:21.5/15

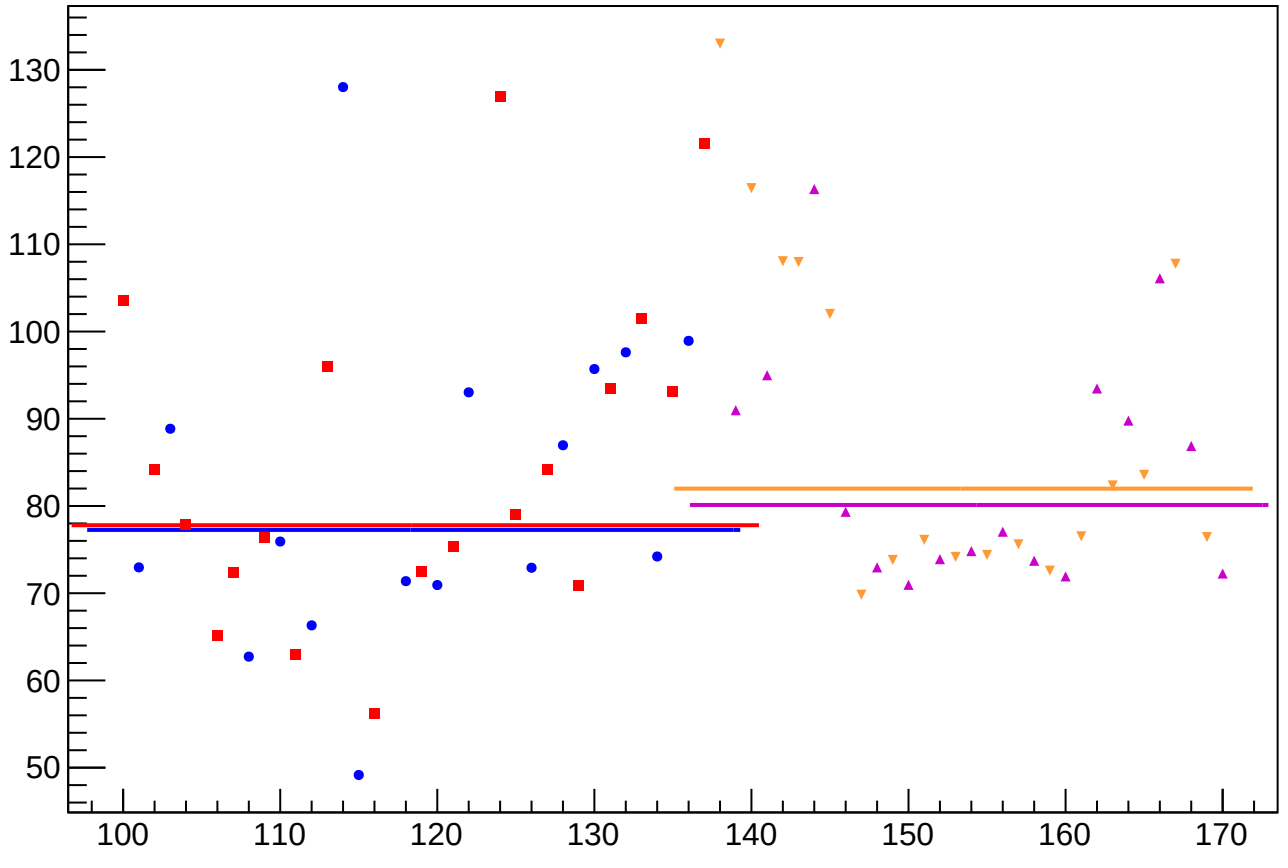
Left: -0.002+/-0.016 χ^2/NDF: 41.4/32

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.008+/-0.018 χ^2/NDF:45.3/35

All: 0.000+/-0.013 χ^2/NDF: 84.4/67



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.994+/-0.016 χ^2/NDF:809707.0/16

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.117+/-0.016 χ^2/NDF:465894.0/15

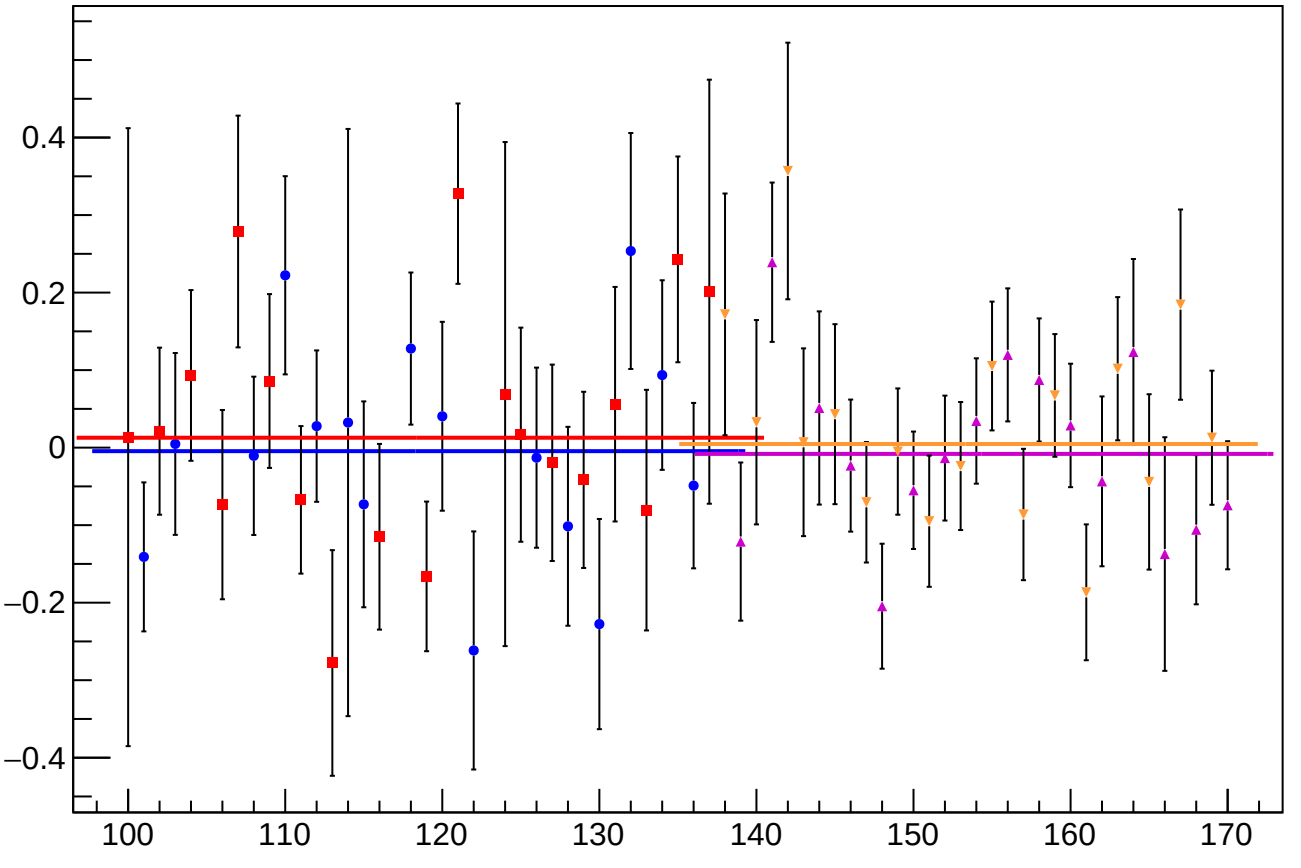
Left: 81.035+/-0.011 χ^2/NDF: 1282259.6/32

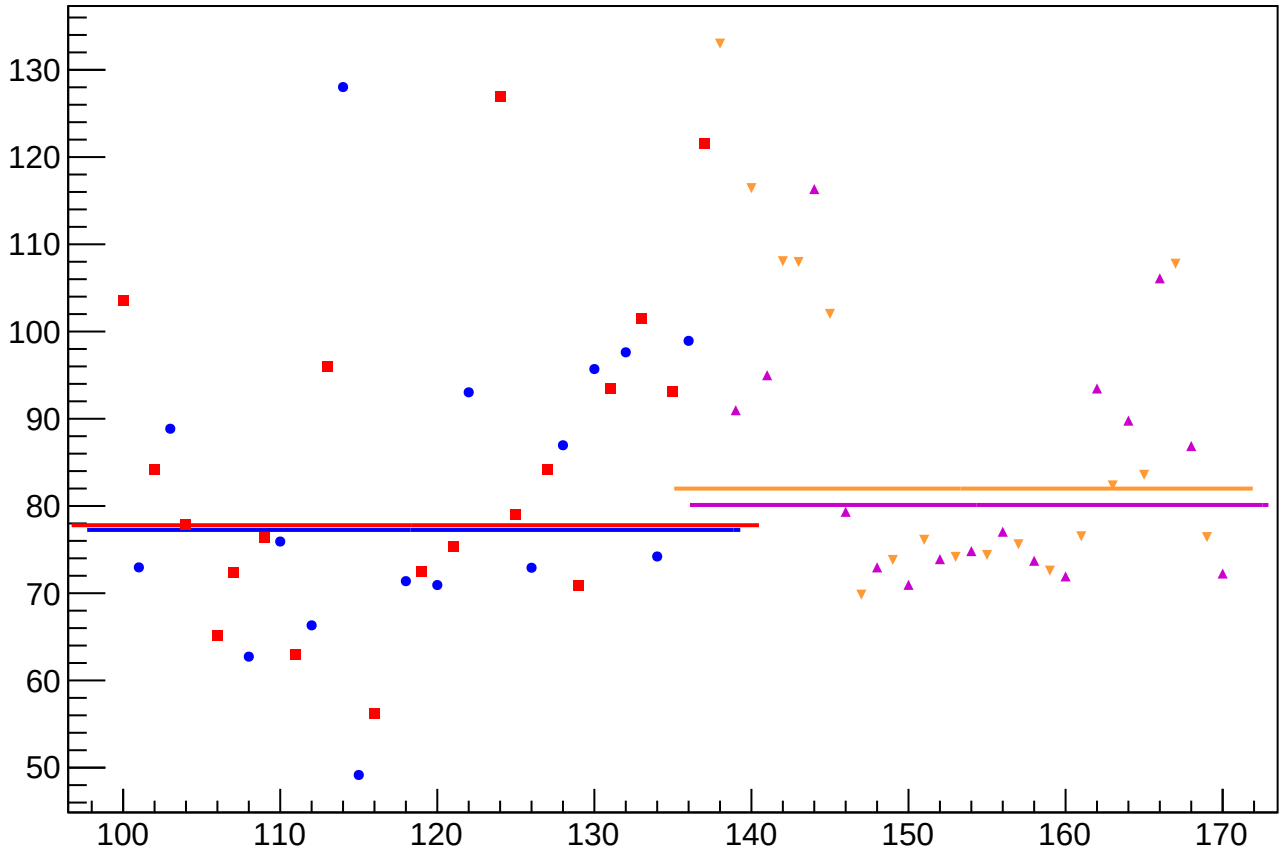
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.075+/-0.013 χ^2/NDF:896683.0/31

Out: 80.400+/-0.013 χ^2/NDF:1230946.8/35

All: 79.731+/-0.009 χ^2/NDF: 2132914.6/67


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.005+/-0.023 χ²/NDF:19.7/16
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.008+/-0.023 χ²/NDF:21.5/15
Left: -0.002+/-0.016 χ²/NDF: 41.4/32
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.007+/-0.018 χ²/NDF:38.8/31
Out: 0.008+/-0.018 χ²/NDF:45.3/35
All: 0.000+/-0.013 χ²/NDF: 84.4/67



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.994+/-0.016 χ^2/NDF:809707.0/16

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.117+/-0.016 χ^2/NDF:465894.0/15

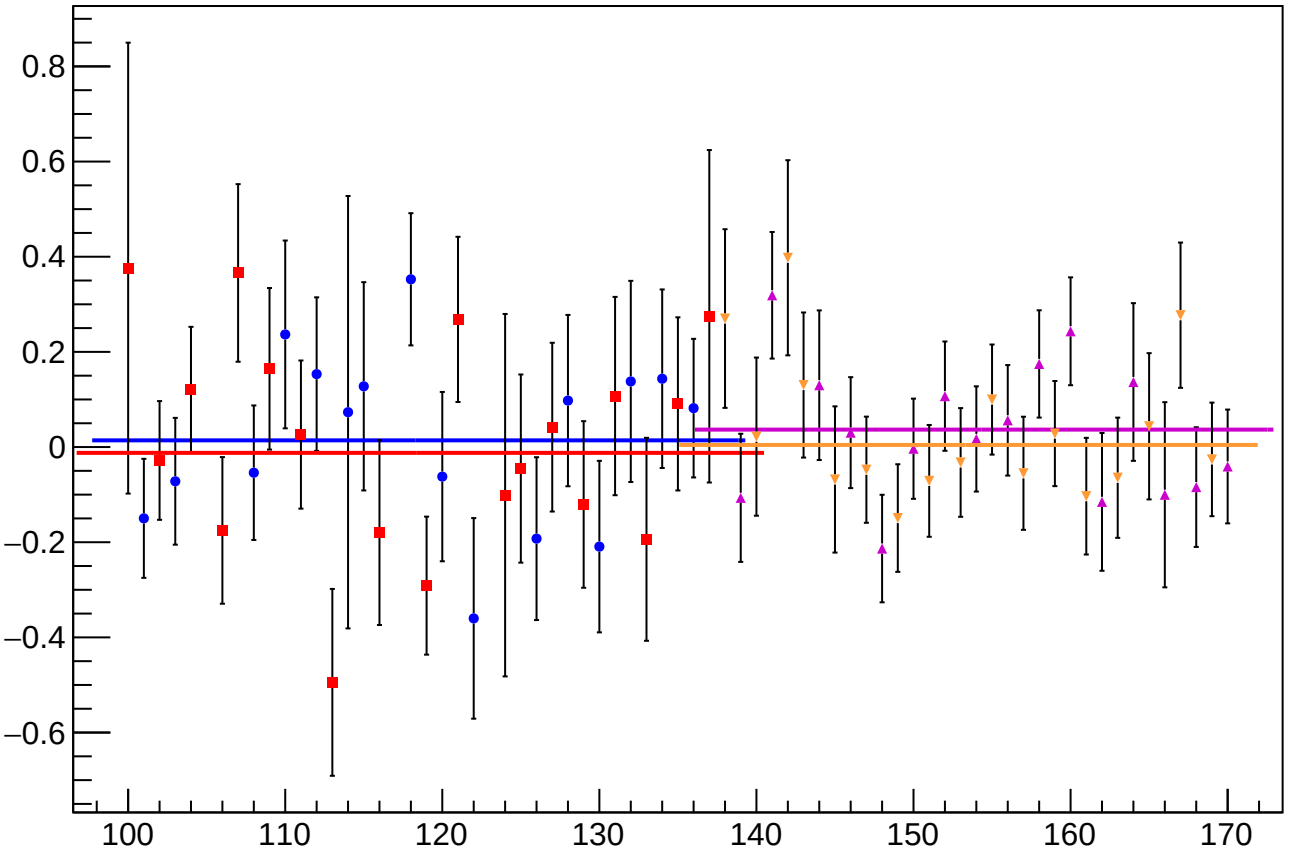
Left: 81.035+/-0.011 χ^2/NDF: 1282259.6/32

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

In: 79.075+/-0.013 χ^2/NDF:896683.0/31

Out: 80.400+/-0.013 χ^2/NDF:1230946.8/35

All: 79.731+/-0.009 χ^2/NDF: 2132914.6/67



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.004+/-0.032 χ^2/NDF:14.5/16

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.037+/-0.031 χ^2/NDF:19.6/15

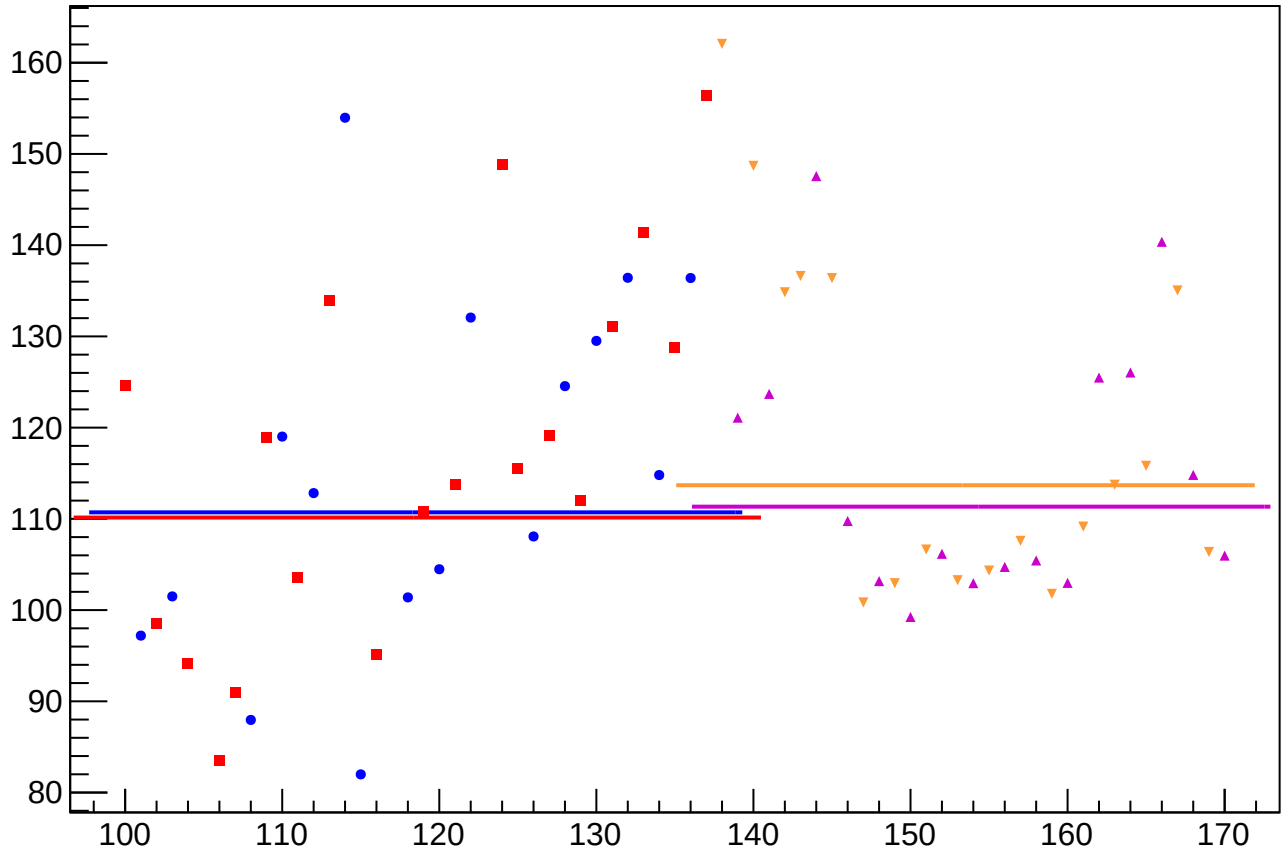
Left: 0.021+/-0.022 χ^2/NDF: 34.7/32

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.029+/-0.025 χ^2/NDF:38.0/31

Out: -0.002+/-0.025 χ^2/NDF:38.4/35

All: 0.013+/-0.018 χ^2/NDF: 77.1/67



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.686+/-0.022 χ^2/NDF:491485.1/16

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.336+/-0.022 χ^2/NDF:294457.0/15

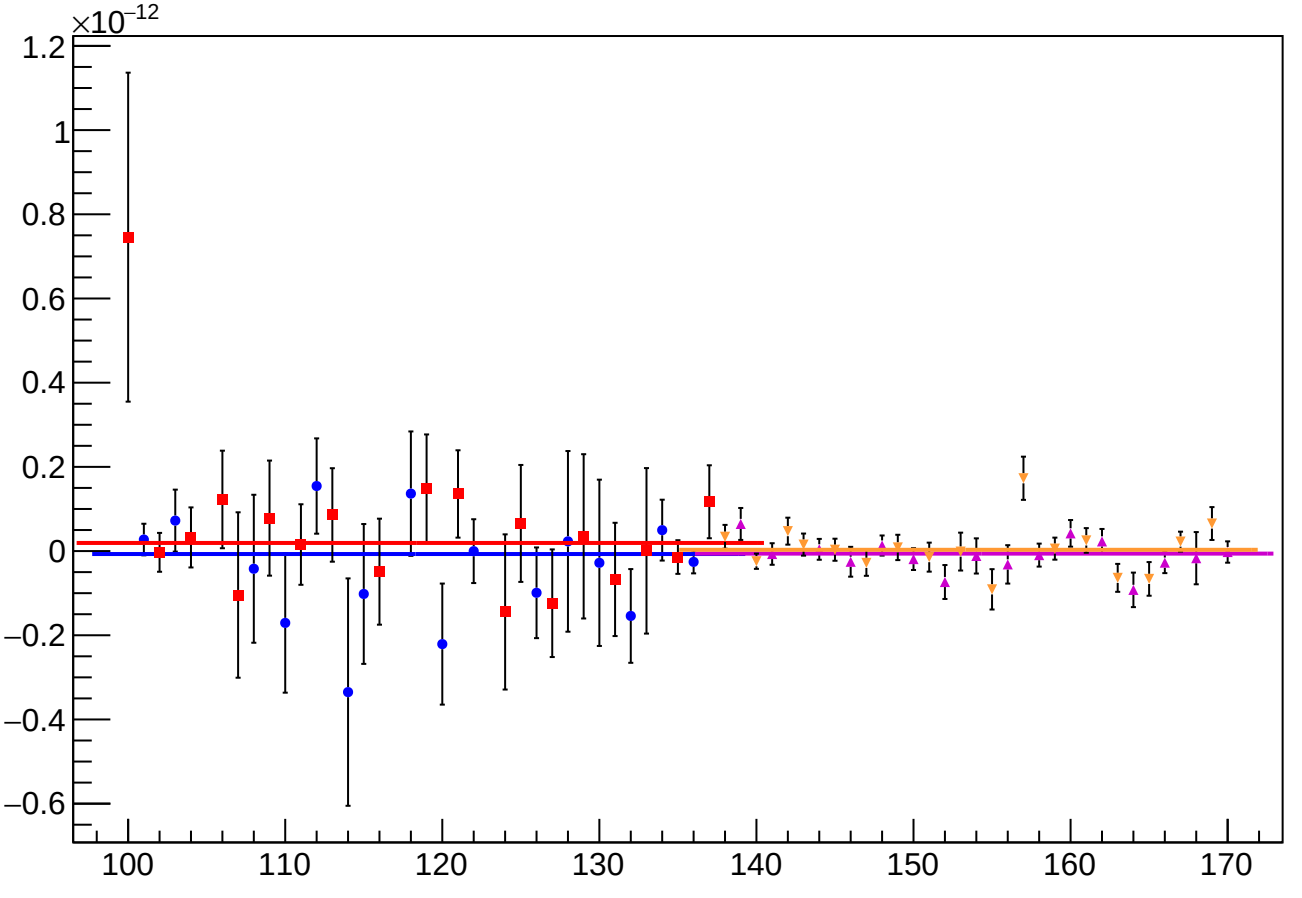
Left: 112.492+/-0.016 χ^2/NDF: 791515.8/32

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

In: 111.117+/-0.018 χ^2/NDF:594686.2/31

Out: 112.372+/-0.018 χ^2/NDF:827430.9/35

All: 111.743+/-0.013 χ^2/NDF: 1424611.3/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

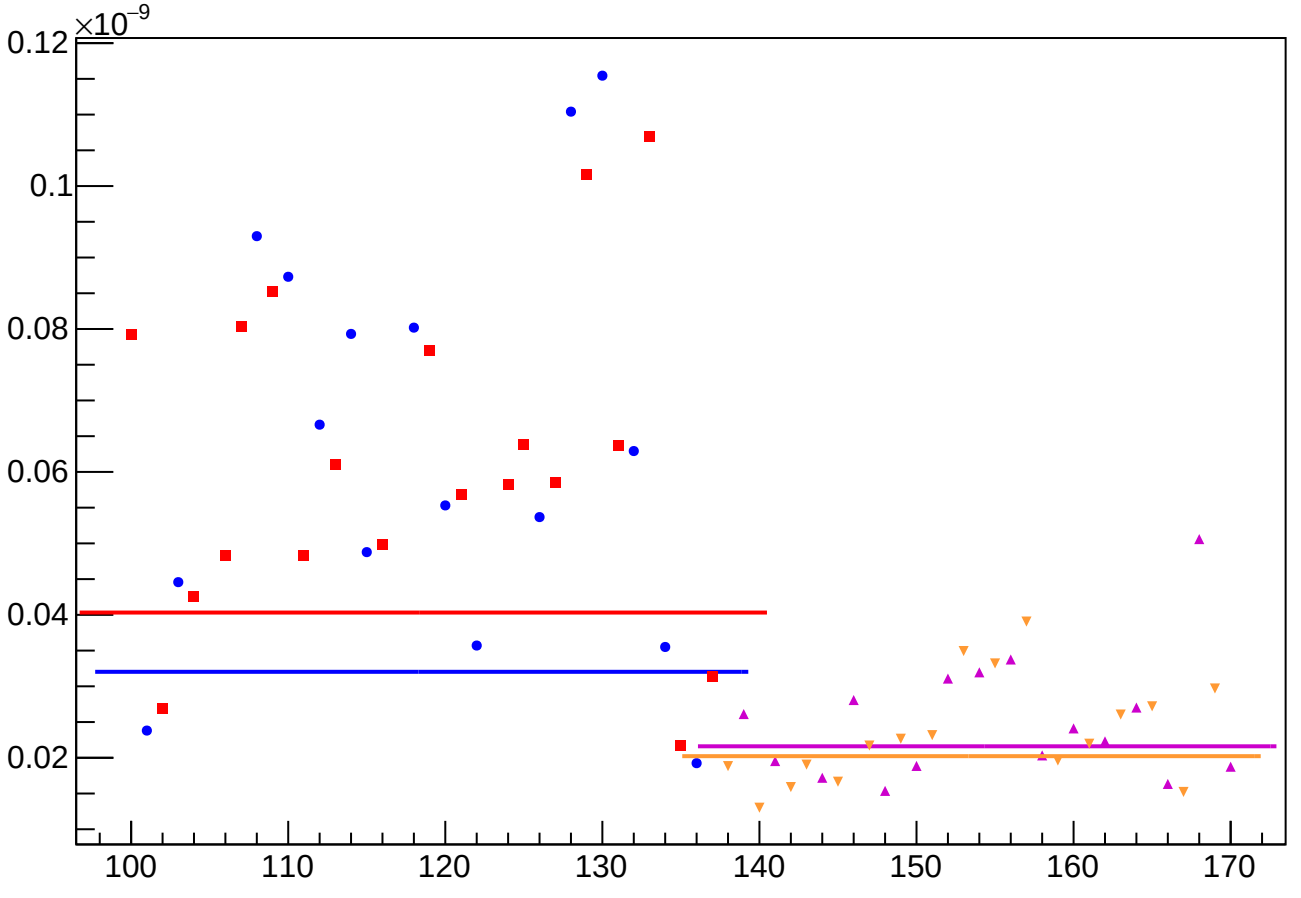
Left: -0.000+/-0.000 χ^2/NDF: 49.7/32

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.1/31

Out: 0.000+/-0.000 χ^2/NDF:45.7/35

All: -0.000+/-0.000 χ^2/NDF: 77.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1400032.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1309751.0/15

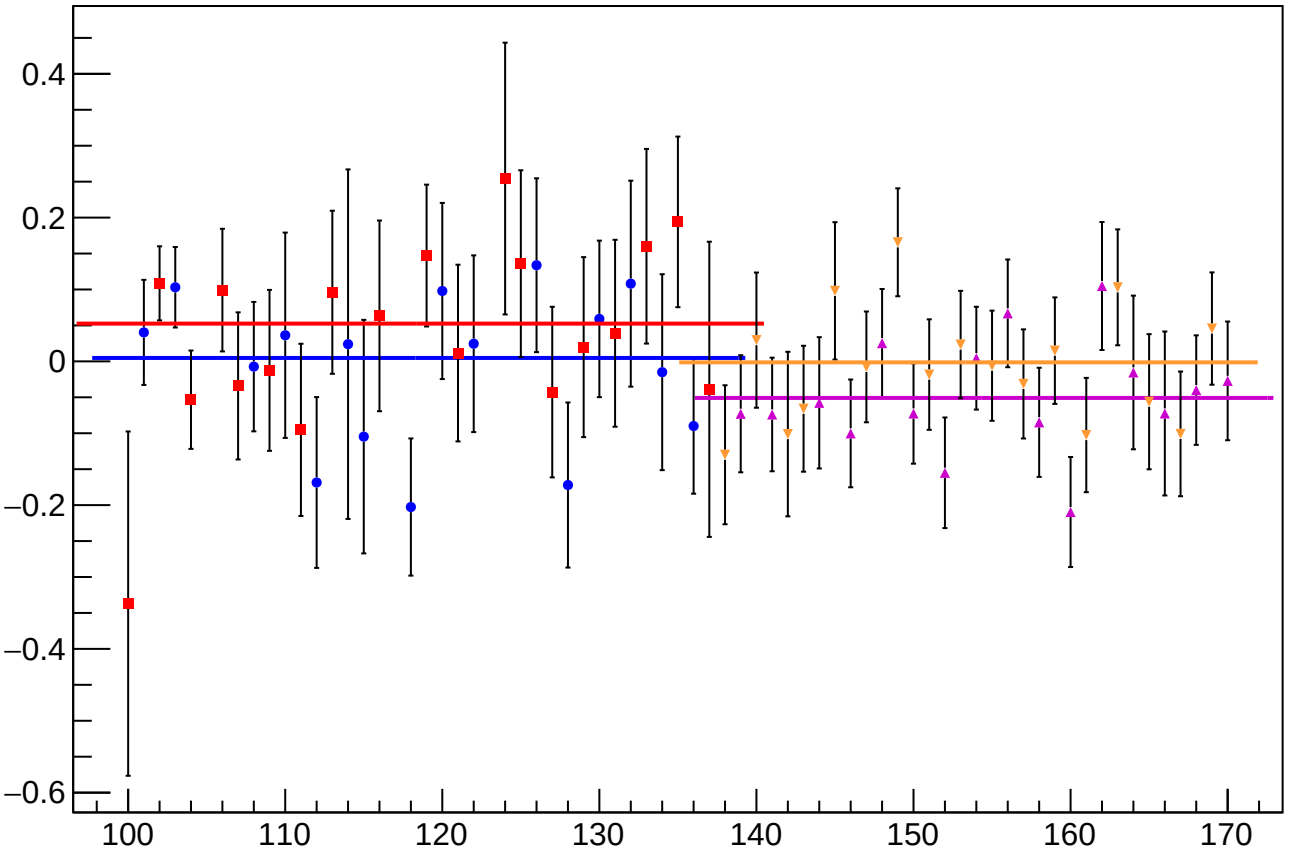
Left: 0.000+/-0.000 χ^2/NDF: 2744183.7/32

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4341309.8/31

Out: 0.000+/-0.000 χ^2/NDF:4887212.6/35

All: 0.000+/-0.000 χ^2/NDF: 9244644.6/67



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.020 χ^2/NDF:14.9/16

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.051+/-0.020 χ^2/NDF:14.4/15

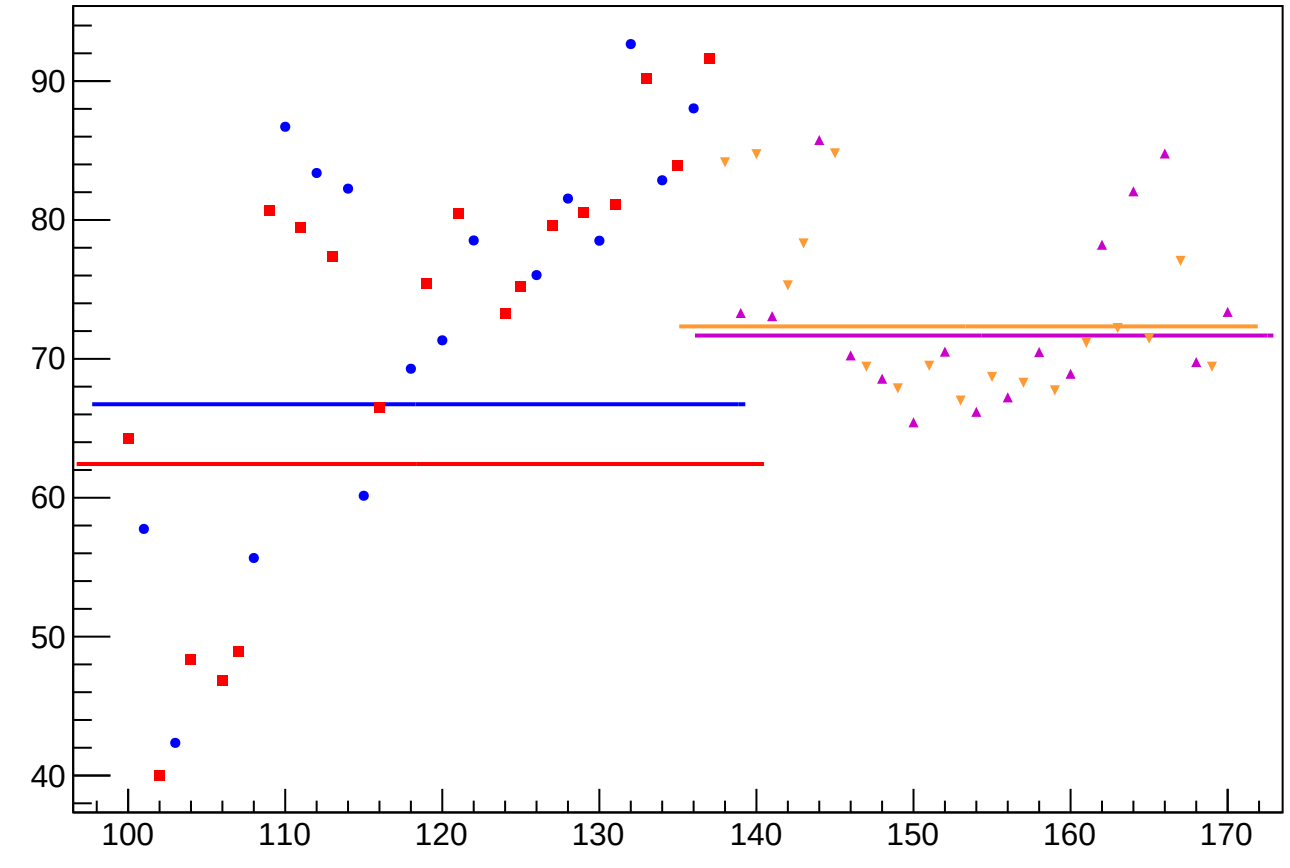
Left: -0.026+/-0.014 χ^2/NDF: 32.4/32

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/31

Out: 0.021+/-0.015 χ^2/NDF:32.7/35

All: -0.004+/-0.011 χ^2/NDF: 71.8/67



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.337+/-0.014 χ^2/NDF:159345.8/16

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.679+/-0.014 χ^2/NDF:149647.2/15

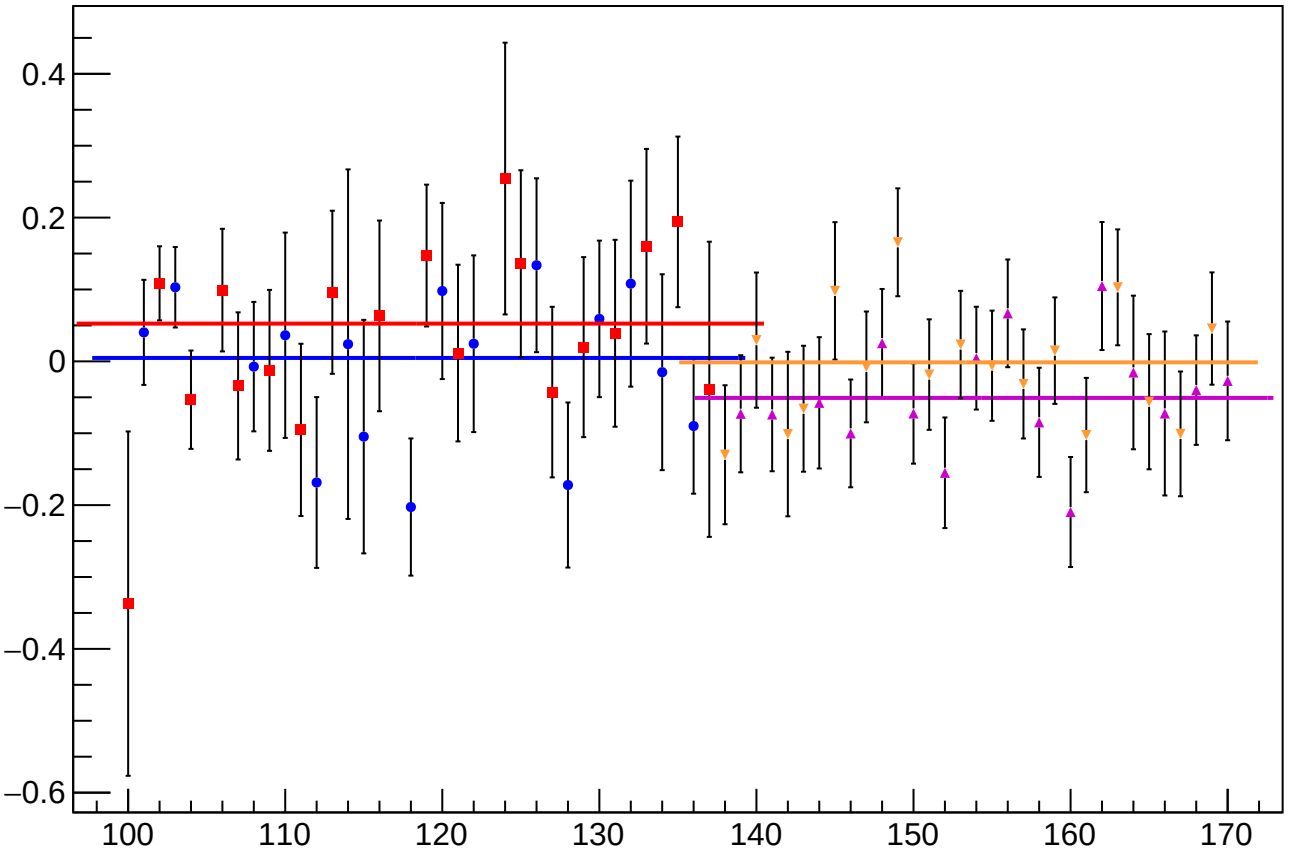
Left: 72.008+/-0.010 χ^2/NDF: 310067.0/32

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.825+/-0.011 χ^2/NDF:1012021.4/31

Out: 68.273+/-0.011 χ^2/NDF:1473019.1/35

All: 69.028+/-0.008 χ^2/NDF: 2494879.3/67



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.020 χ^2/NDF:14.9/16

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.051+/-0.020 χ^2/NDF:14.4/15

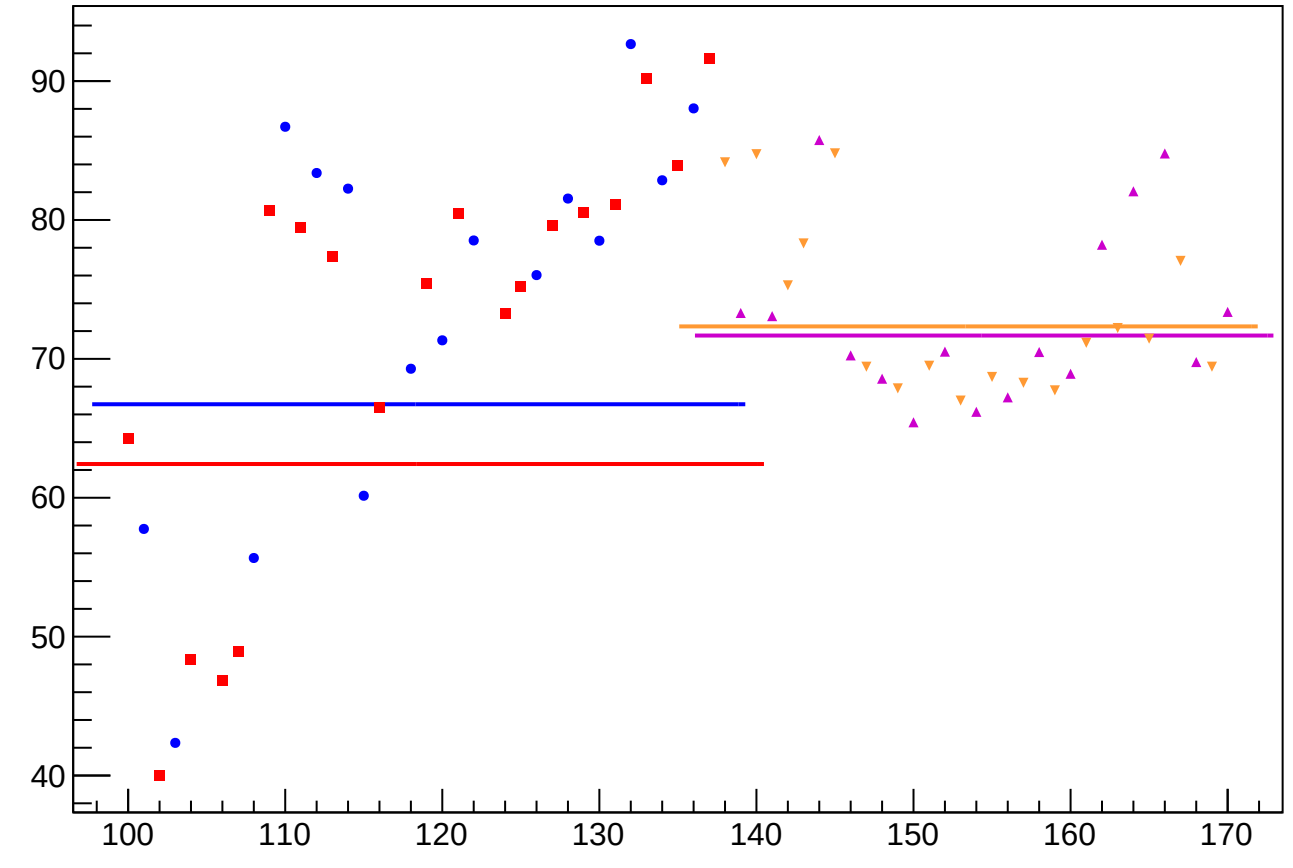
Left: -0.026+/-0.014 χ^2/NDF: 32.4/32

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/31

Out: 0.021+/-0.015 χ^2/NDF:32.7/35

All: -0.004+/-0.011 χ^2/NDF: 71.8/67



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.337+/-0.014 χ^2/NDF:159345.8/16

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.679+/-0.014 χ^2/NDF:149647.2/15

Left: 72.008+/-0.010 χ^2/NDF: 310067.0/32

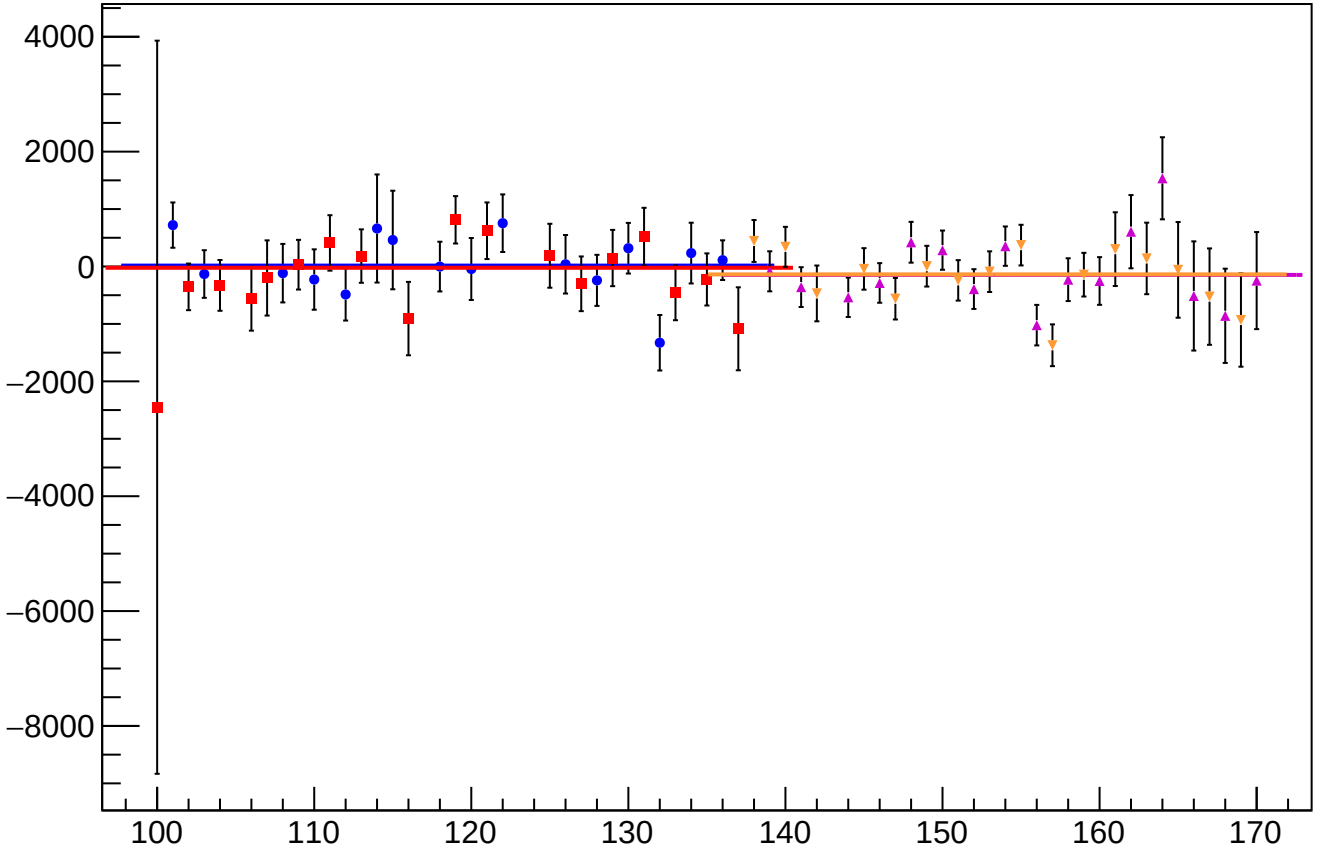
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.825+/-0.011 χ^2/NDF:1012021.4/31

Out: 68.273+/-0.011 χ^2/NDF:1473019.1/35

All: 69.028+/-0.008 χ^2/NDF: 2494879.3/67

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -137.888+/-104.752 χ^2/NDF:22.0/15

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -146.748+/-101.926 χ^2/NDF:22.8/15

Left: -142.440+/-73.051 χ^2/NDF: 44.8/31

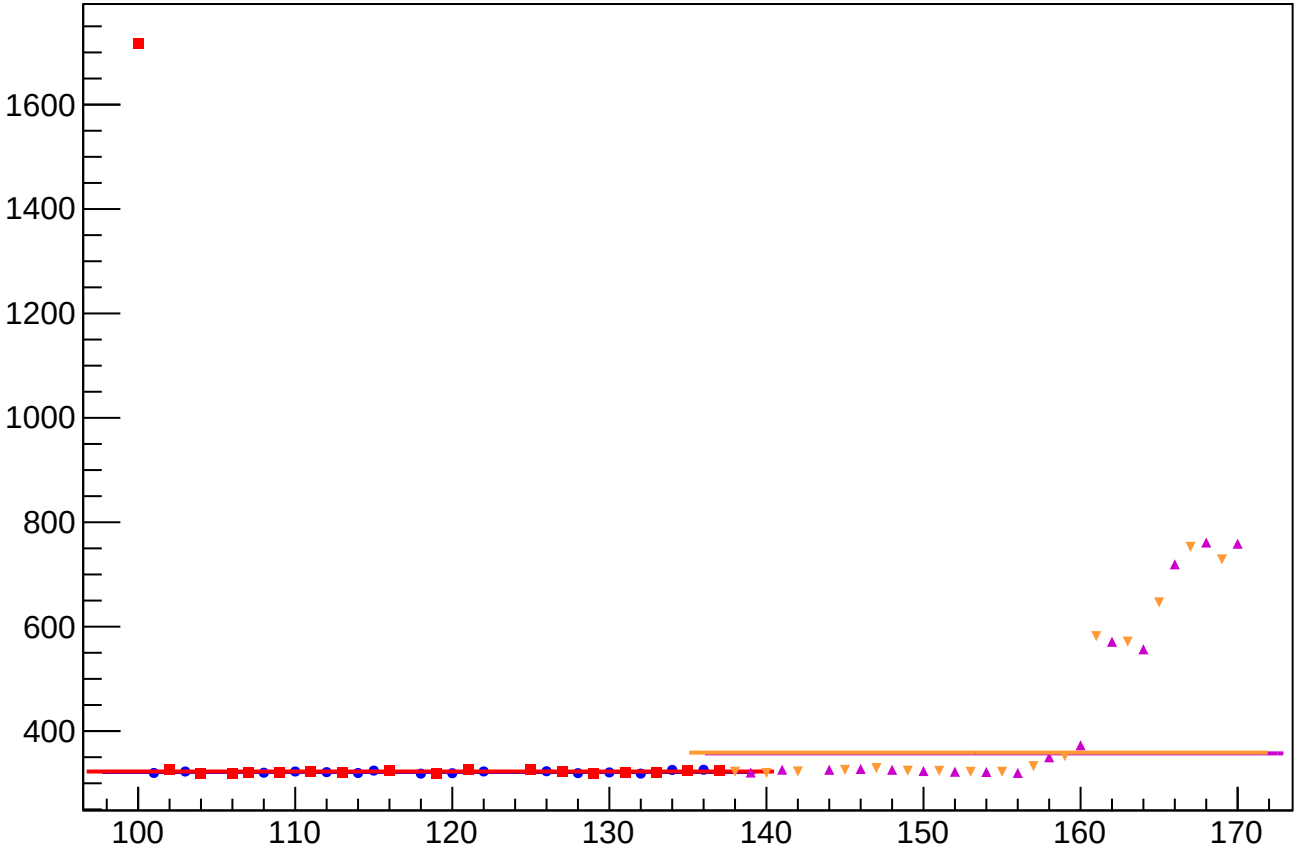
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -78.368+/-77.530 χ^2/NDF:40.4/31

Out: -87.458+/-78.689 χ^2/NDF:38.6/33

All: -82.846+/-55.227 χ^2/NDF: 78.9/65

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 358.801+/-0.074 χ^2/NDF:1747813.8/15

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.318+/-0.072 χ^2/NDF:1780447.6/15

Left: 358.040+/-0.052 χ^2/NDF: 3528467.3/31

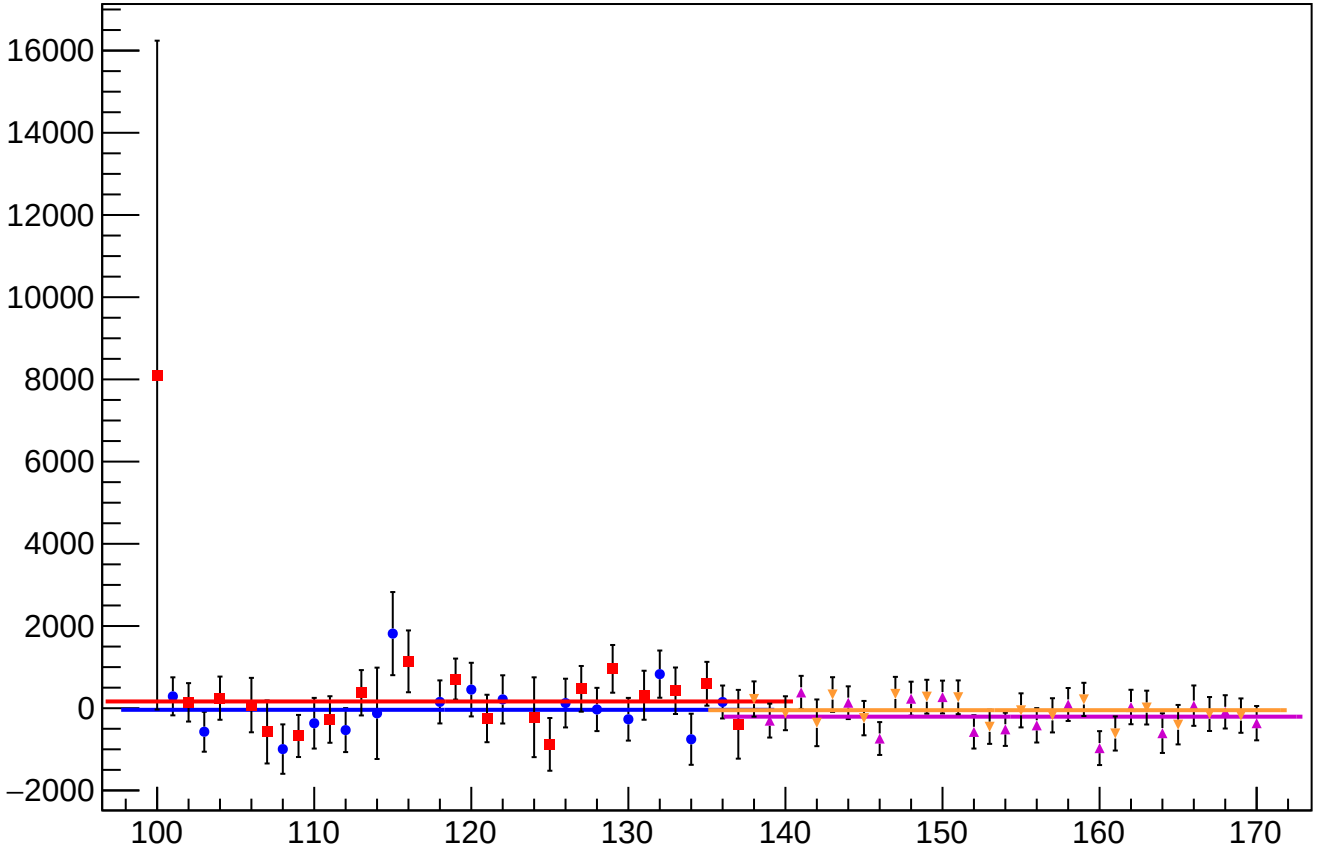
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 342.268+/-0.055 χ^2/NDF:1884750.5/31

Out: 343.008+/-0.056 χ^2/NDF:1949053.9/33

All: 342.632+/-0.039 χ^2/NDF: 3833894.1/65

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -47.929+/-102.857 χ^2/NDF:7.9/16

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -205.553+/-103.849 χ^2/NDF:14.4/15

Left: -125.985+/-73.079 χ^2/NDF: 23.5/32

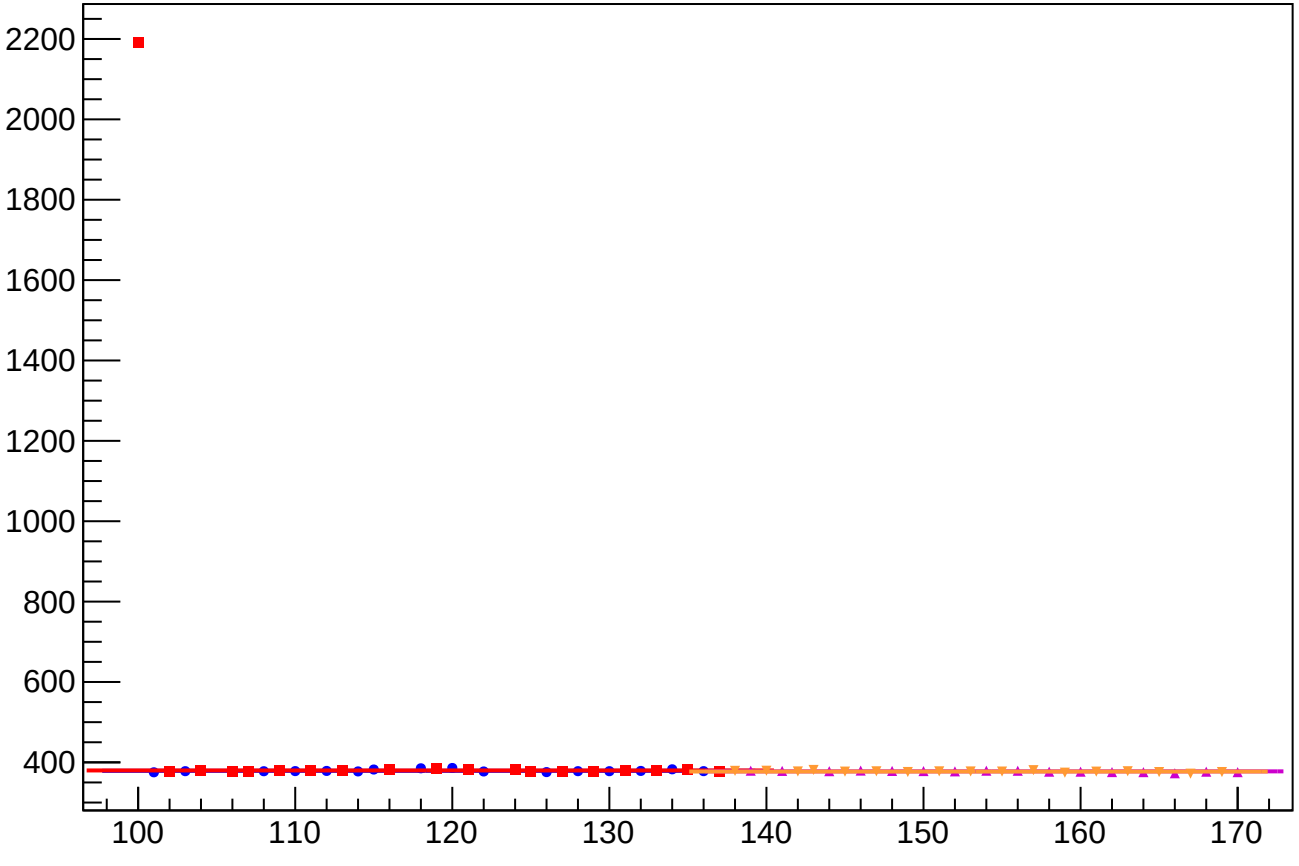
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -146.797+/-83.559 χ^2/NDF:29.1/31

Out: 27.309+/-82.674 χ^2/NDF:24.5/35

All: -58.817+/-58.770 χ^2/NDF: 55.8/67

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.177+/-0.073 χ^2/NDF:876.7/16

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.594+/-0.073 χ^2/NDF:503.5/15

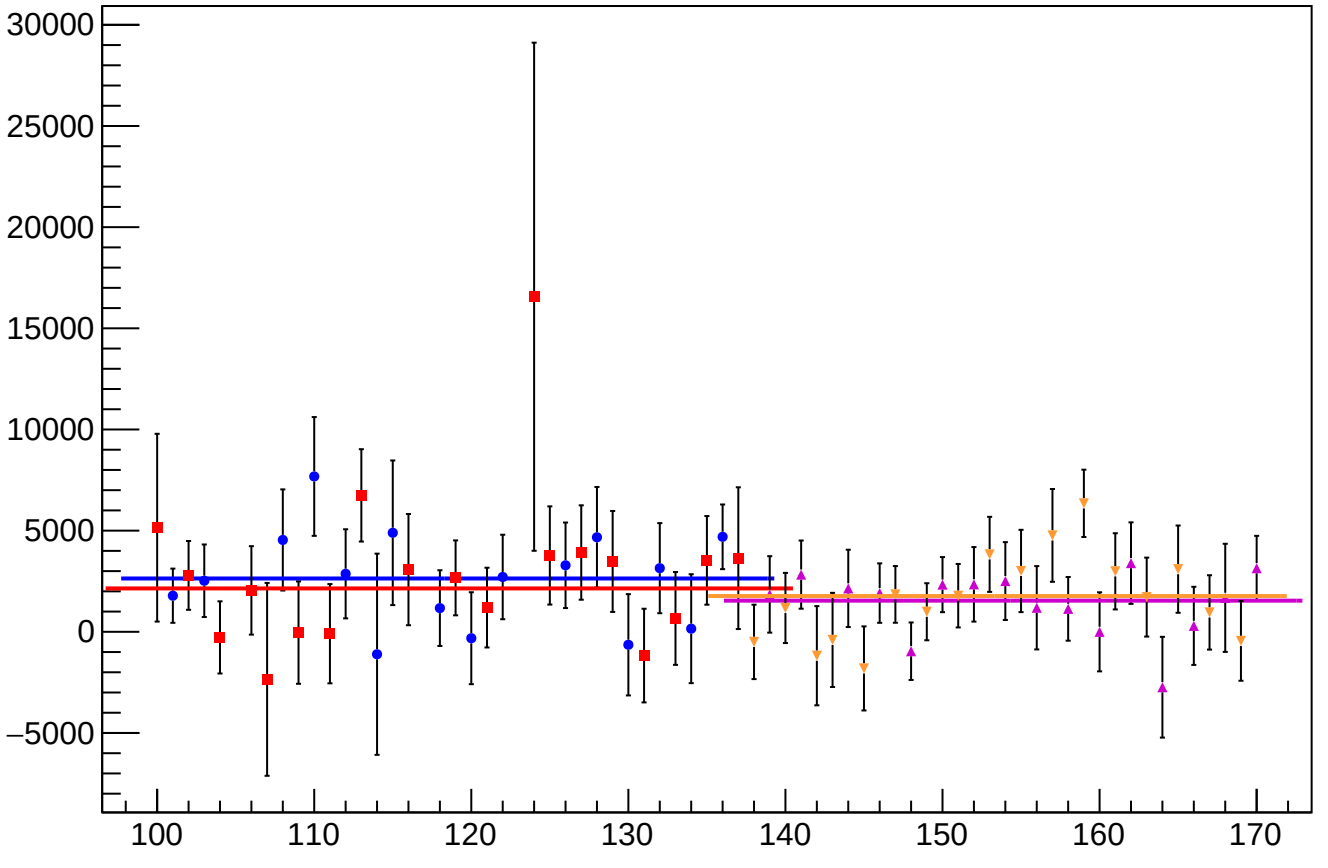
Left: 377.383+/-0.052 χ^2/NDF: 1396.5/32

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.058+/-0.059 χ^2/NDF:1468.0/31

Out: 378.133+/-0.058 χ^2/NDF:100986.3/35

All: 378.096+/-0.042 χ^2/NDF: 102455.1/67



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

Left Out: 1768.003+/-445.967 χ^2/NDF:20.4/16

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1539.645+/-443.786 χ^2/NDF:10.6/15

Left: 1653.264+/-314.572 χ^2/NDF: 31.1/32

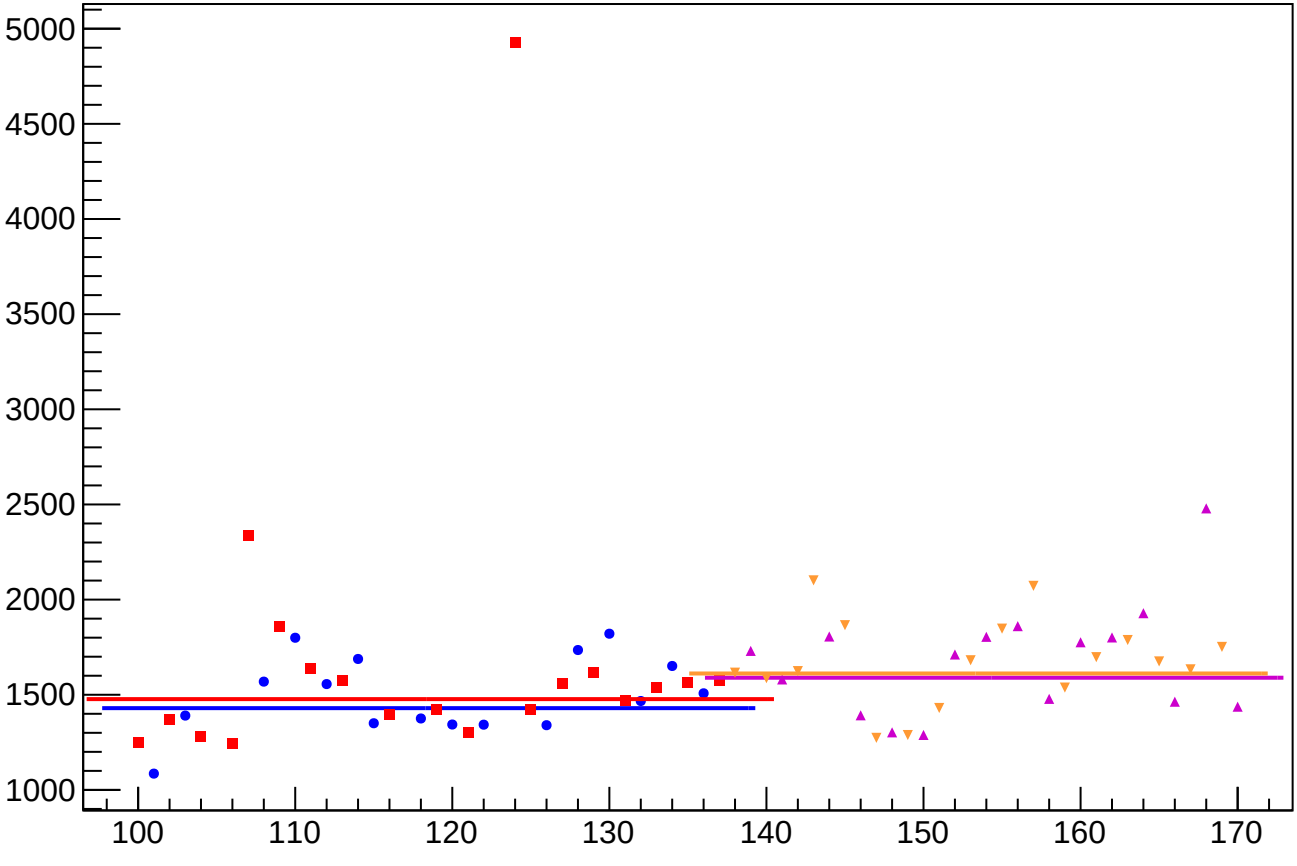
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1983.297+/-342.354 χ^2/NDF:25.3/31

Out: 1918.375+/-345.638 χ^2/NDF:35.7/35

All: 1951.146+/-243.234 χ^2/NDF: 61.1/67

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1611.797+/-0.315 χ^2/NDF:514073.5/16

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1589.528+/-0.314 χ^2/NDF:656227.3/15

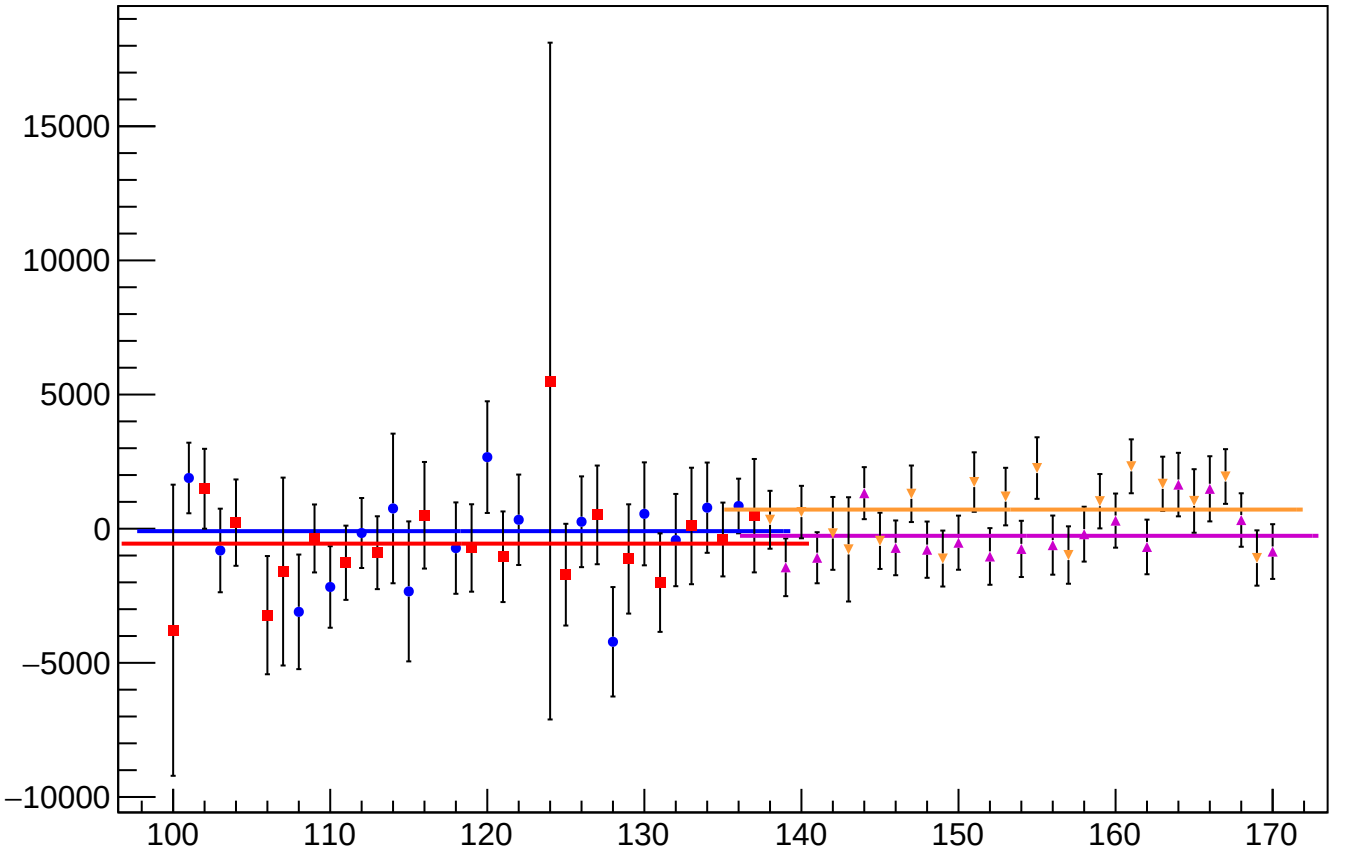
Left: 1600.608+/-0.222 χ^2/NDF: 1172806.3/32

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1524.798+/-0.242 χ^2/NDF:1054708.0/31

Out: 1558.019+/-0.244 χ^2/NDF:956332.6/35

All: 1541.250+/-0.172 χ^2/NDF: 2020367.2/67



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

Left Out: 712.746+/-264.277 χ^2/NDF:19.3/16

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -265.116+/-260.140 χ^2/NDF:11.8/15

Left: 216.100+/-185.392 χ^2/NDF: 38.1/32

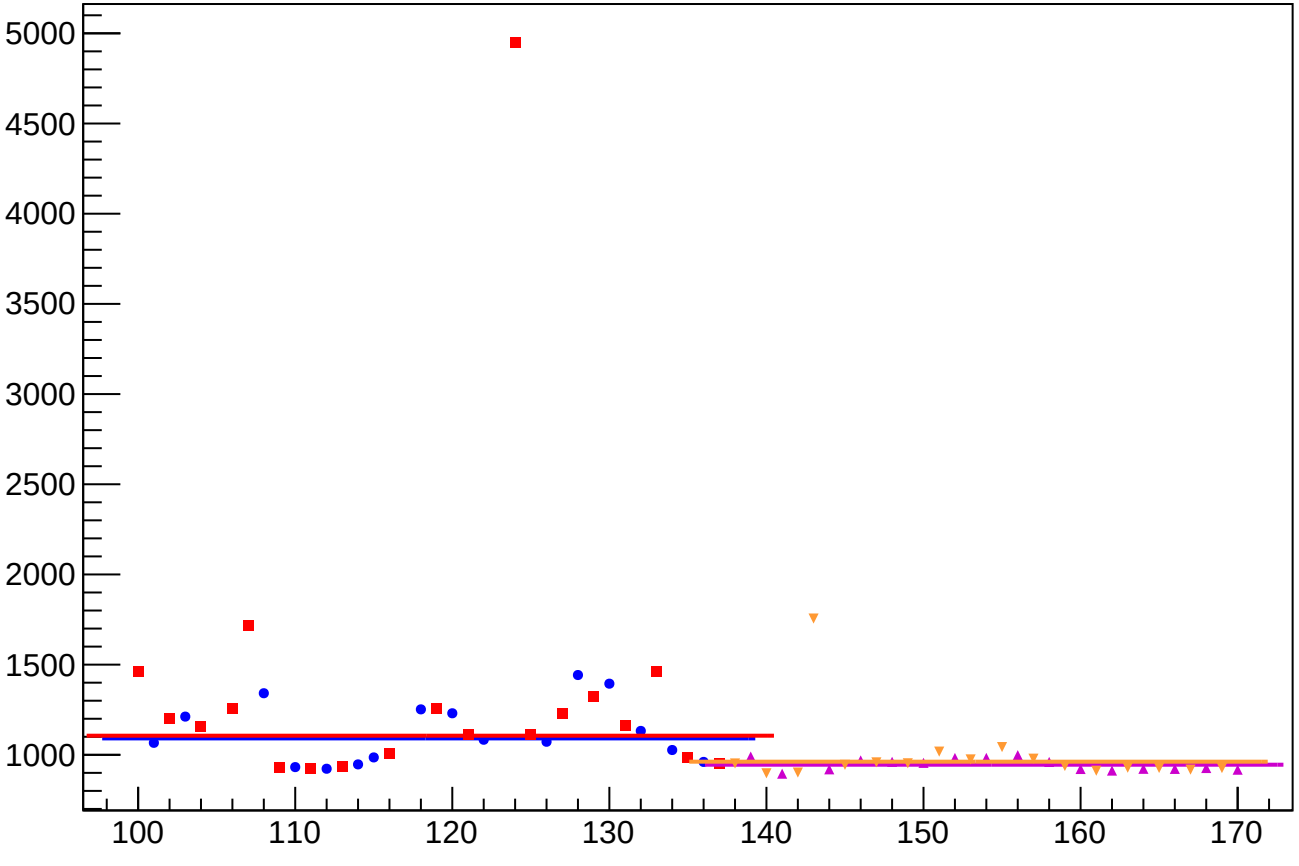
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -215.220+/-219.650 χ^2/NDF:26.5/31

Out: 341.811+/-222.344 χ^2/NDF:32.8/35

All: 59.900+/-156.260 χ^2/NDF: 62.5/67

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 961.981+/-0.187 χ^2/NDF:378986.8/16

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 945.202+/-0.184 χ^2/NDF:29090.4/15

Left: 953.459+/-0.131 χ^2/NDF: 412171.9/32

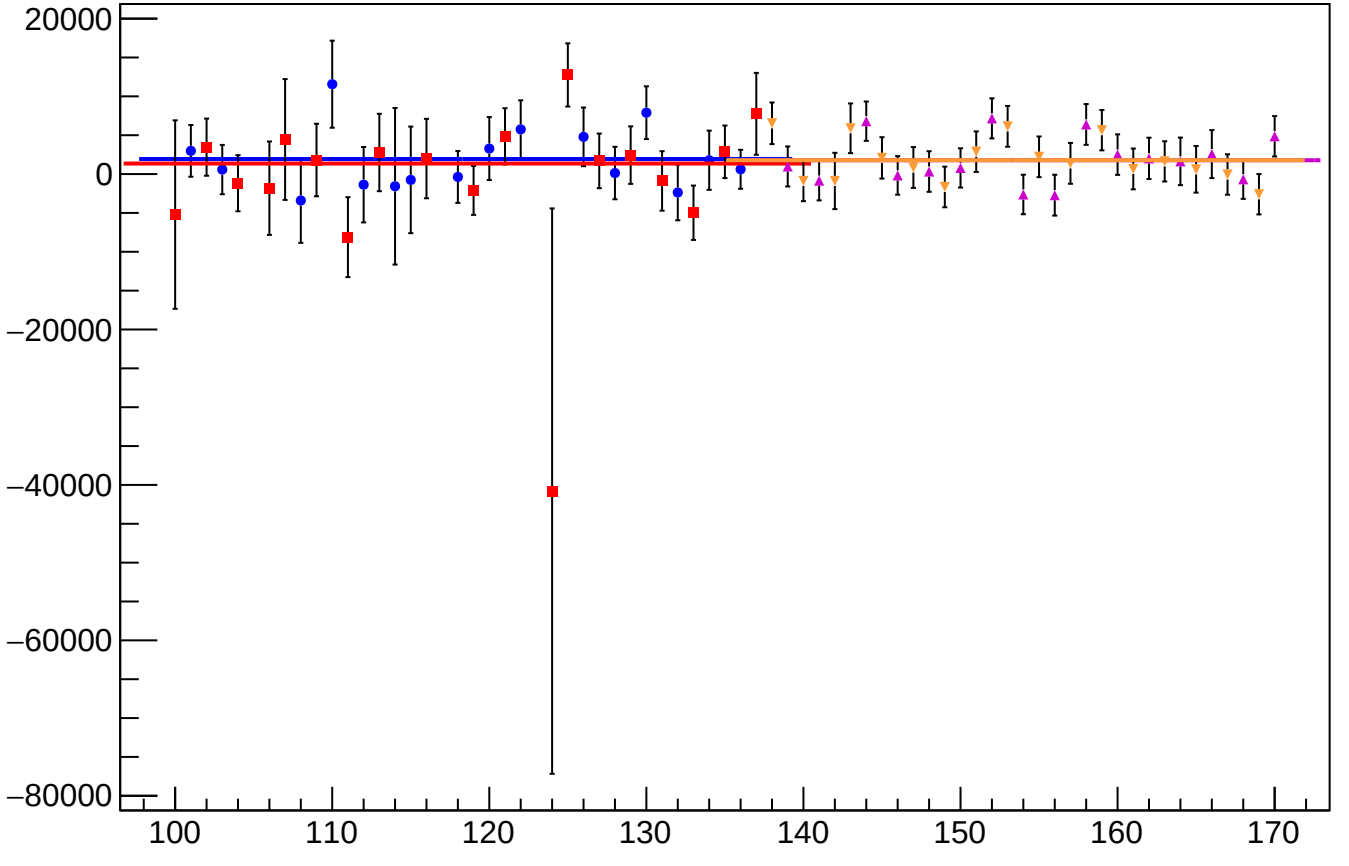
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 987.068+/-0.155 χ^2/NDF:486842.8/31

Out: 1004.072+/-0.157 χ^2/NDF:1066730.2/35

All: 995.466+/-0.110 χ^2/NDF: 1559493.5/67

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1784.452+/-655.846 χ^2/NDF:17.1/16

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1778.713+/-655.288 χ^2/NDF:22.1/15

Left: 1781.580+/-463.556 χ^2/NDF: 39.2/32

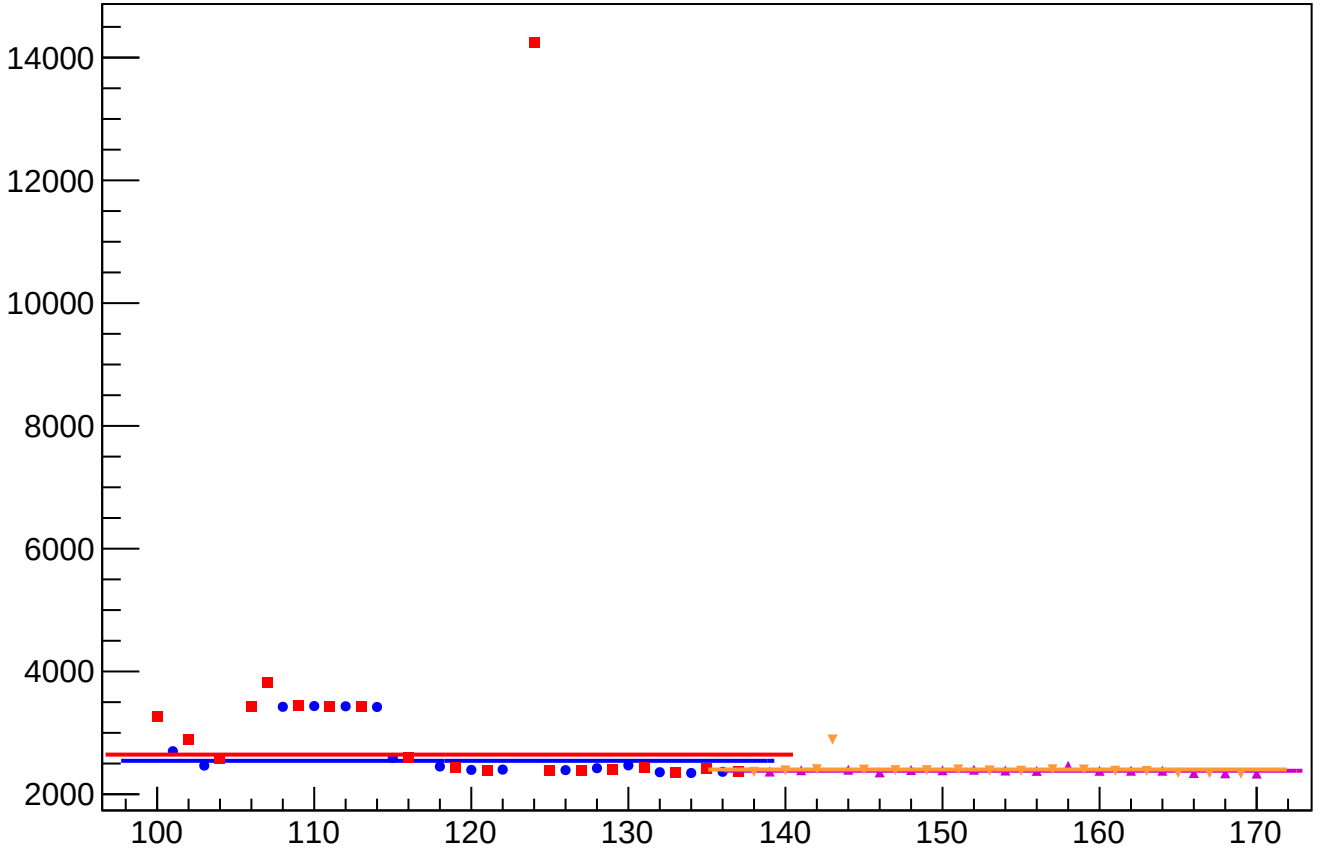
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1830.413+/-539.874 χ^2/NDF:34.3/31

Out: 1652.081+/-545.927 χ^2/NDF:39.1/35

All: 1742.241+/-383.871 χ^2/NDF: 73.5/67

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2402.803+/-0.464 χ^2/NDF:50613.2/16

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

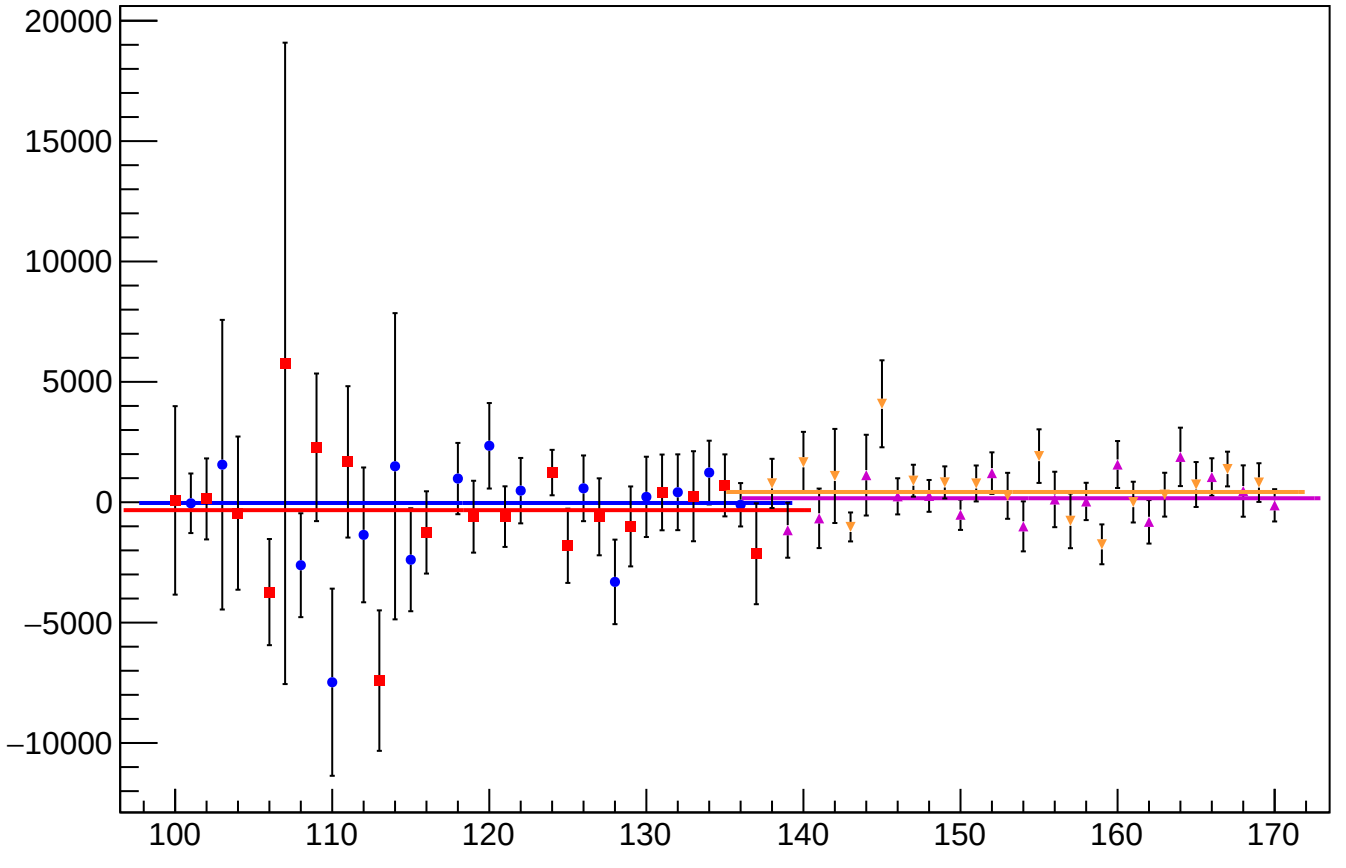
Left: 2392.690+/-0.328 χ^2/NDF: 55491.0/32

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2477.382+/-0.386 χ^2/NDF:671790.0/35

All: 2455.741+/-0.271 χ^2/NDF: 946727.8/67



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 425.827+/-210.357 χ^2/NDF:24.4/16

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 165.484+/-219.563 χ^2/NDF:12.9/15

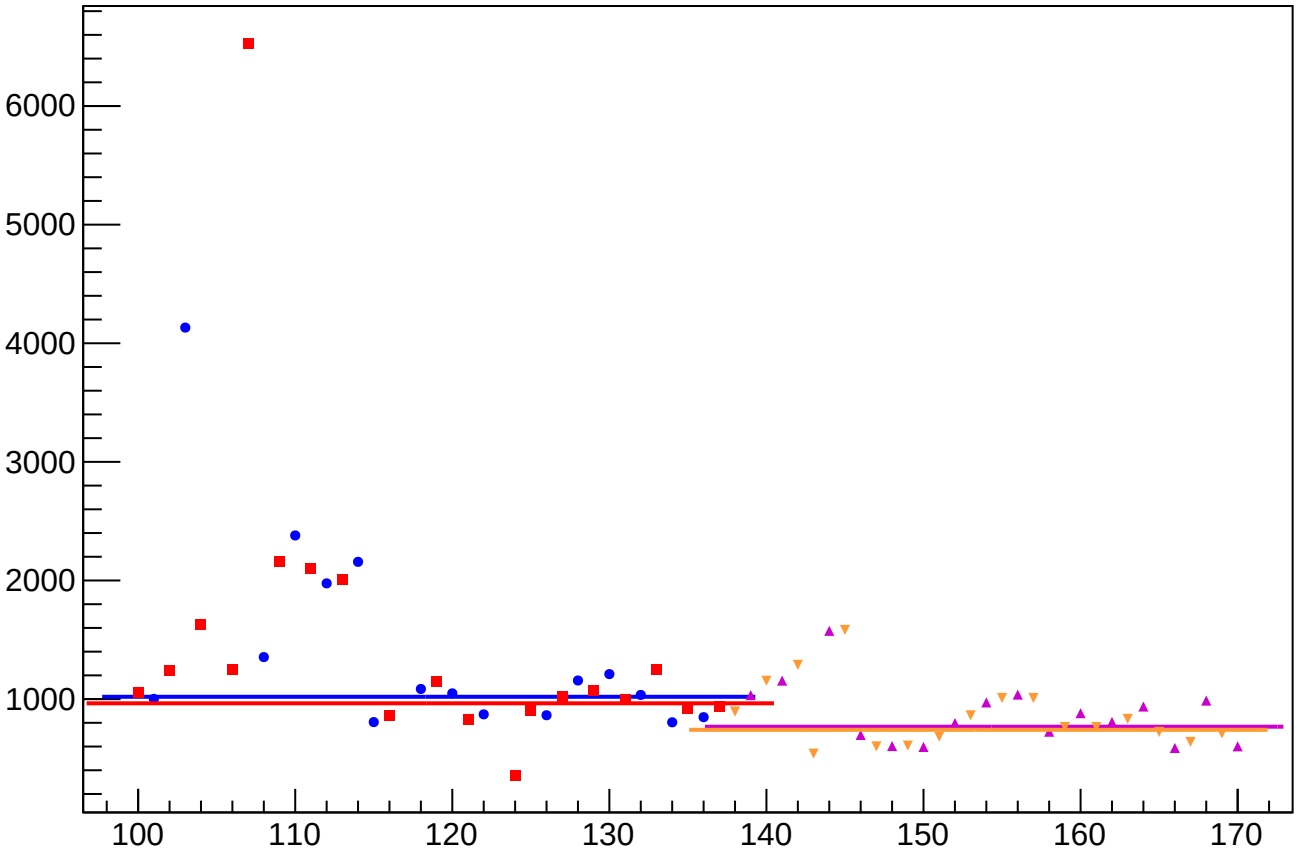
Left: 301.228+/-151.895 χ^2/NDF: 38.0/32

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 120.933+/-193.101 χ^2/NDF:26.9/31

Out: 261.490+/-186.036 χ^2/NDF:42.8/35

All: 193.830+/-133.975 χ^2/NDF: 70.0/67



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 741.038+/-0.149 χ^2/NDF:1582142.1/16

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 767.242+/-0.155 χ^2/NDF:1636185.2/15

Left: 753.579+/-0.107 χ^2/NDF: 3233180.0/32

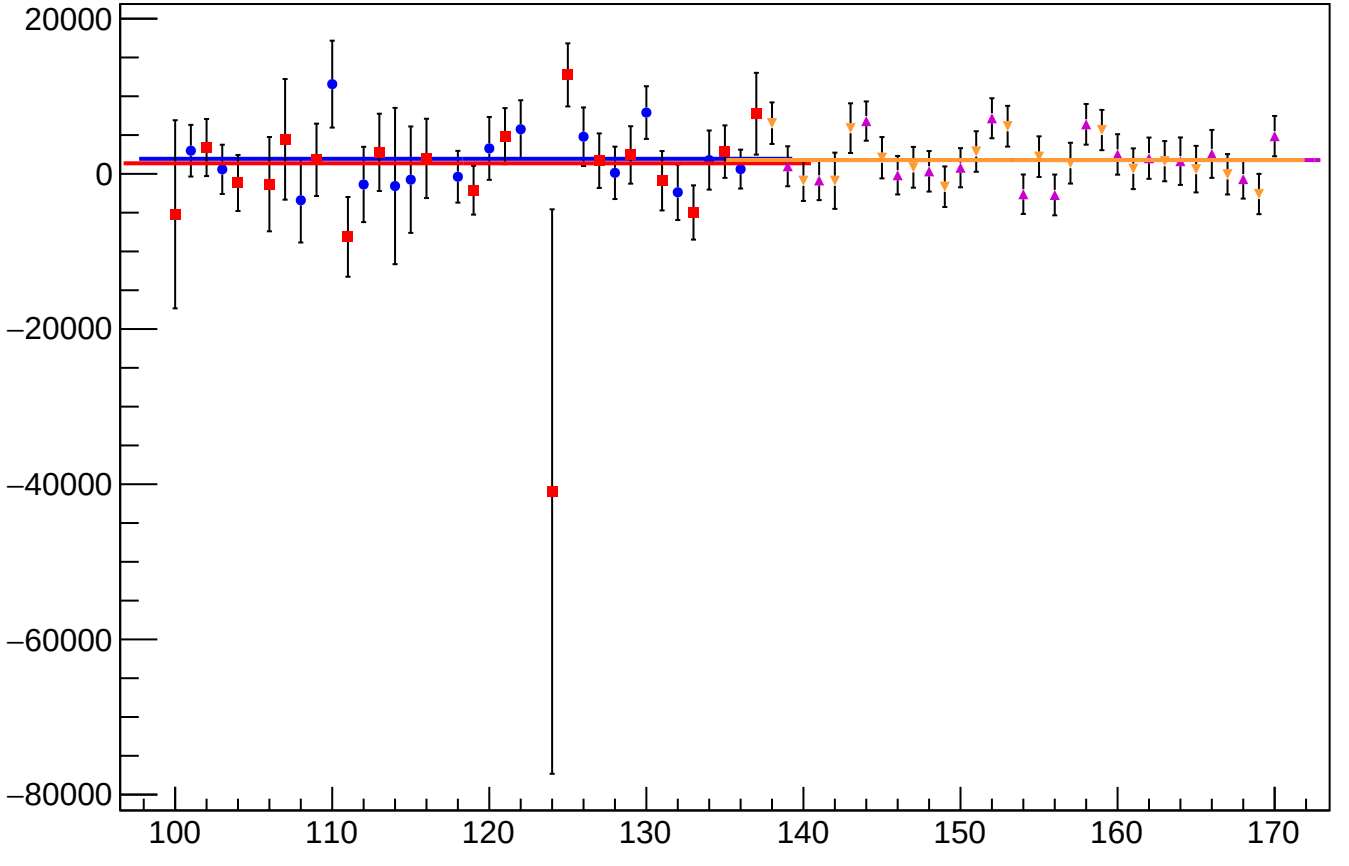
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 824.388+/-0.137 χ^2/NDF:3599042.8/31

Out: 789.697+/-0.132 χ^2/NDF:4382682.1/35

All: 806.396+/-0.095 χ^2/NDF: 8015203.0/67

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1784.366+/-655.846 χ^2/NDF:17.1/16

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1778.751+/-655.288 χ^2/NDF:22.1/15

Left: 1781.556+/-463.556 χ^2/NDF: 39.2/32

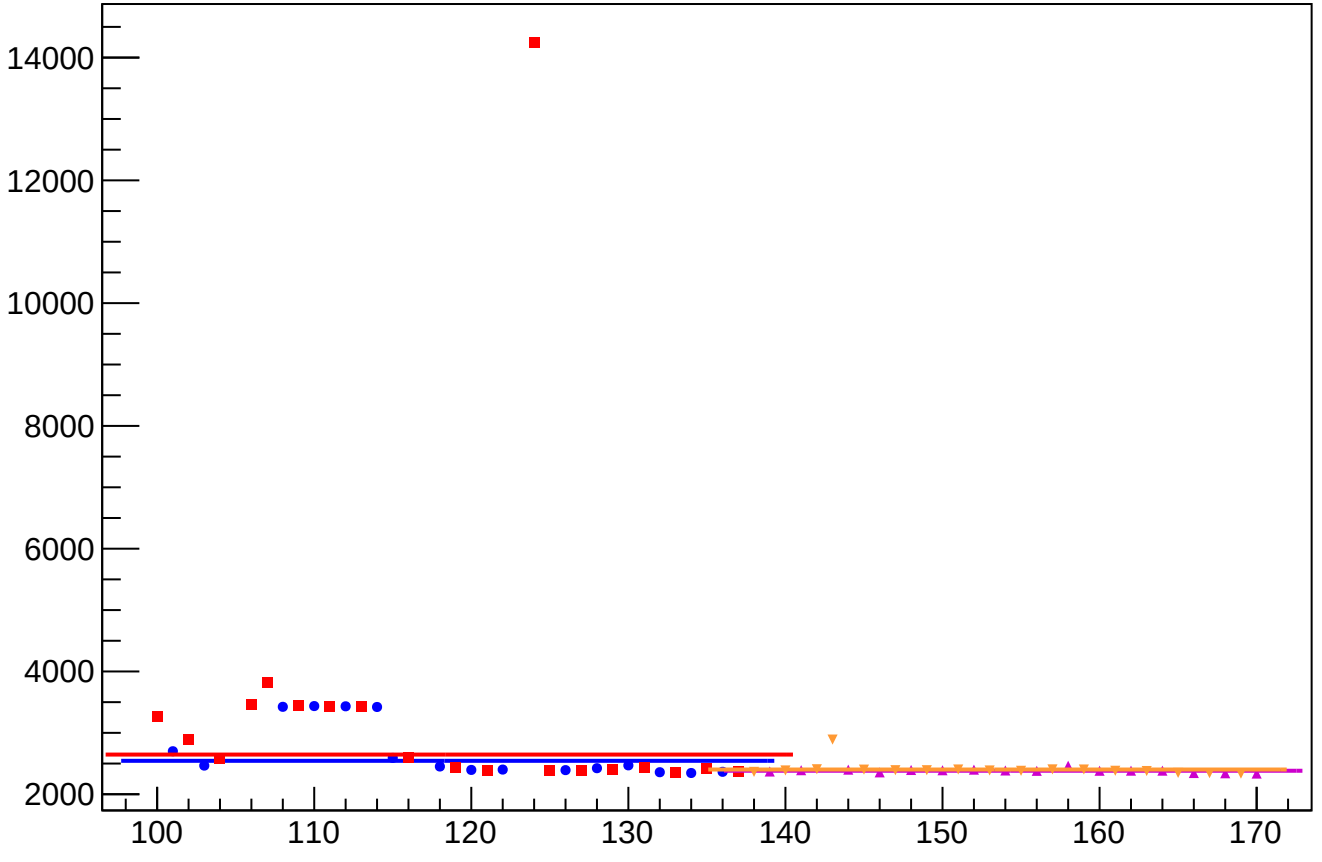
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1830.551+/-539.874 χ^2/NDF:34.3/31

Out: 1655.043+/-545.978 χ^2/NDF:39.0/35

All: 1743.784+/-383.888 χ^2/NDF: 73.4/67

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2402.803+/-0.464 χ^2/NDF:50613.2/16

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

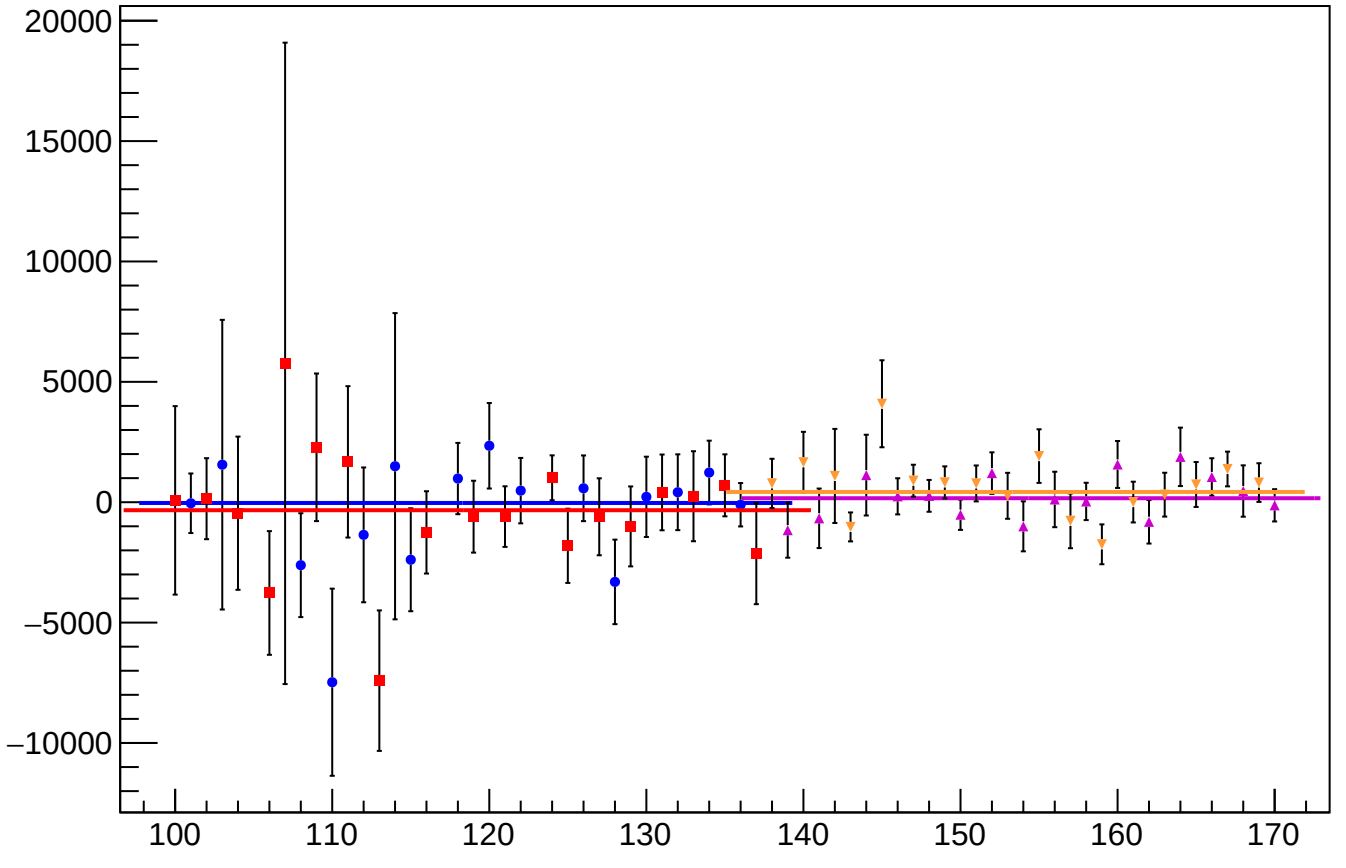
Left: 2392.690+/-0.328 χ^2/NDF: 55491.0/32

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2477.521+/-0.386 χ^2/NDF:674722.1/35

All: 2455.808+/-0.271 χ^2/NDF: 949699.8/67



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 425.785+/-210.359 χ^2/NDF:24.4/16

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 165.479+/-219.563 χ^2/NDF:12.9/15

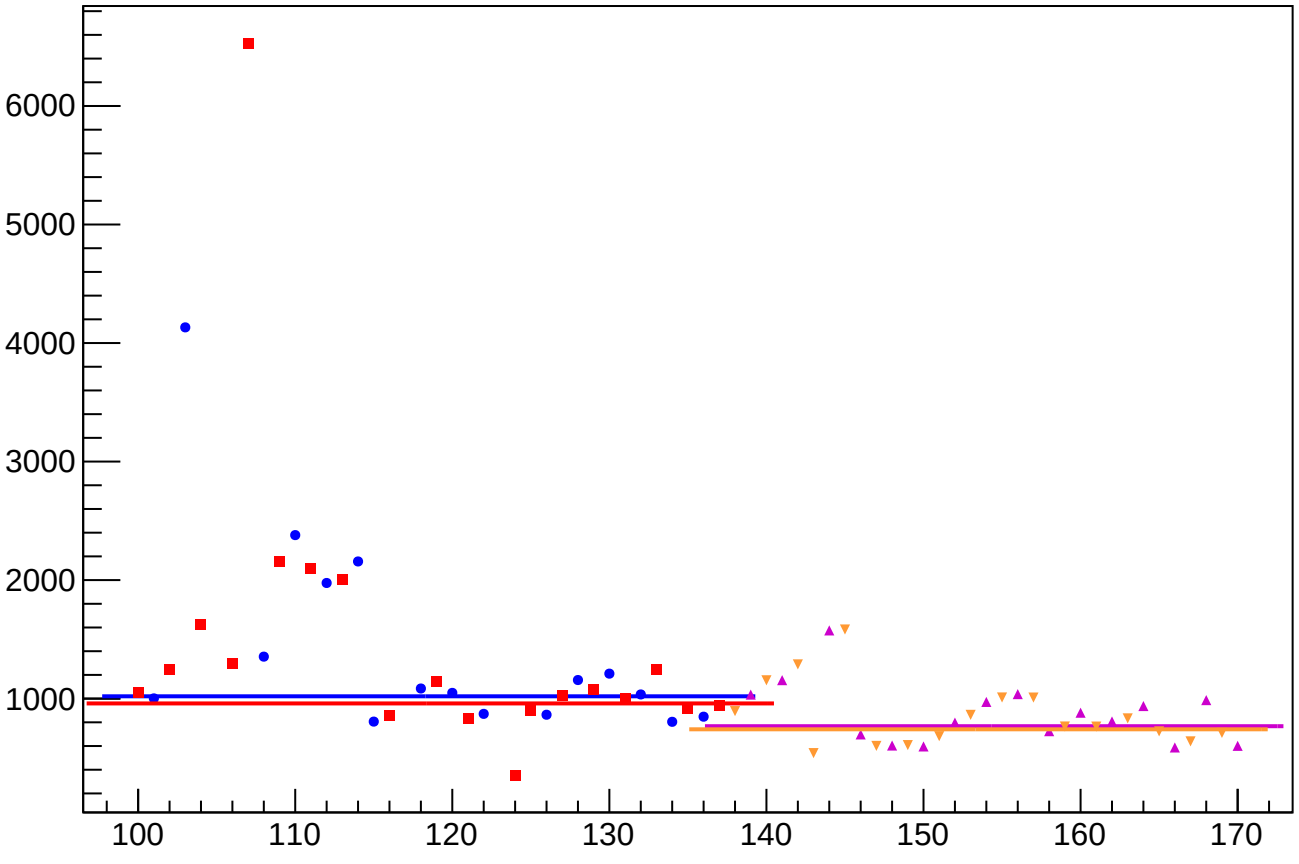
Left: 301.202+/-151.896 χ^2/NDF: 38.0/32

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 120.915+/-193.100 χ^2/NDF:26.9/31

Out: 261.190+/-186.115 χ^2/NDF:41.6/35

All: 193.636+/-134.005 χ^2/NDF: 68.7/67


asym_atl1_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
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2000
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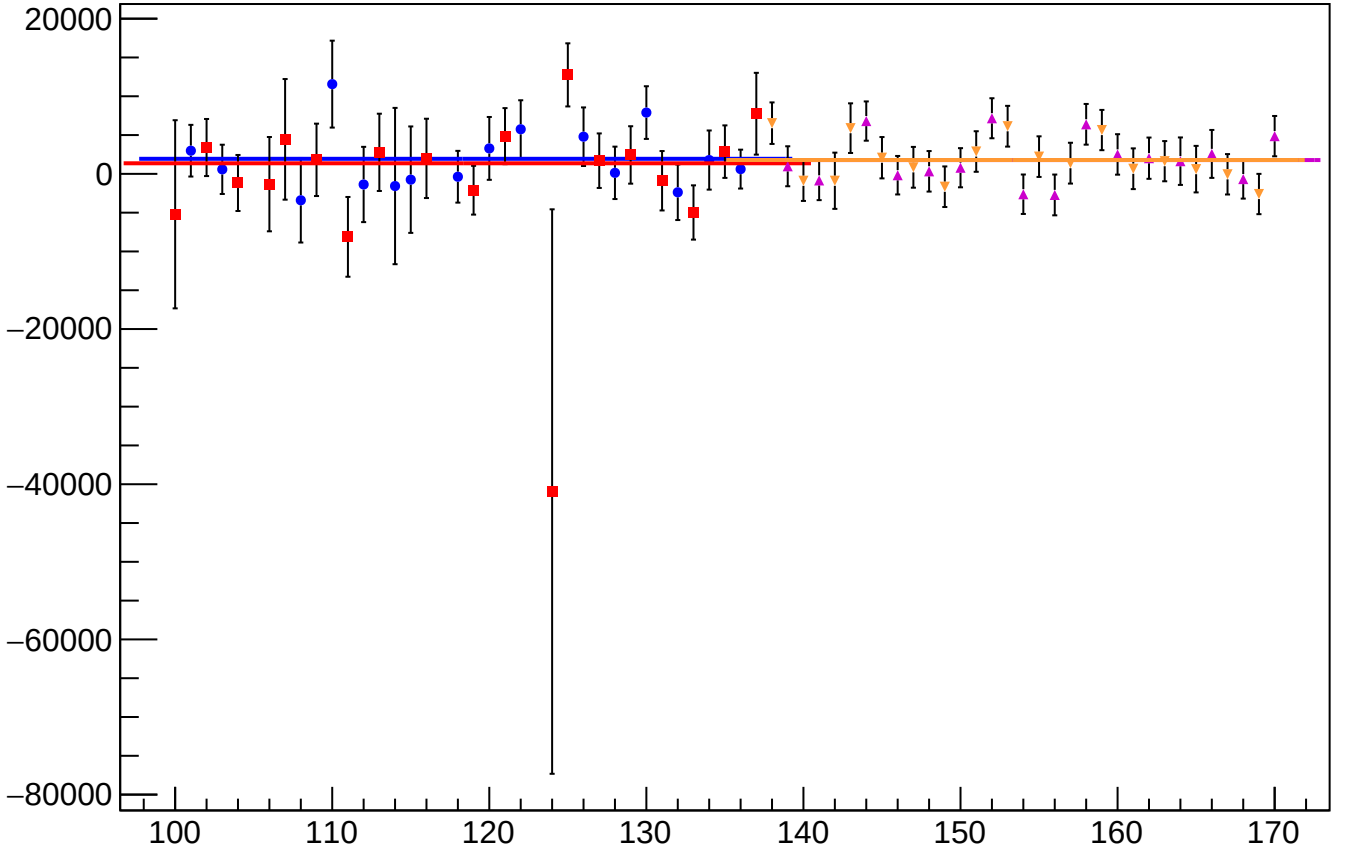
100
110
120
130
140
150
160
170
Right In: 1019.514+/-0.287 χ²/NDF: 1364741.0/15
Left Out: 741.046+/-0.149 χ²/NDF:1582153.0/16
Right Out: 959.344+/-0.282 χ²/NDF: 2344434.8/18
Left In: 767.239+/-0.155 χ²/NDF:1636371.6/15
Left: 753.582+/-0.107 χ²/NDF: 3233364.3/32
Right: 988.952+/-0.201 χ²/NDF: 3731518.7/34
In: 824.384+/-0.137 χ²/NDF:3599206.5/31
Out: 788.464+/-0.132 χ²/NDF:4394427.8/35
All: 805.763+/-0.095 χ²/NDF: 8029511.1/67

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1784.366+/-655.846 χ^2/NDF:17.1/16

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1778.751+/-655.288 χ^2/NDF:22.1/15

Left: 1781.556+/-463.556 χ^2/NDF: 39.2/32

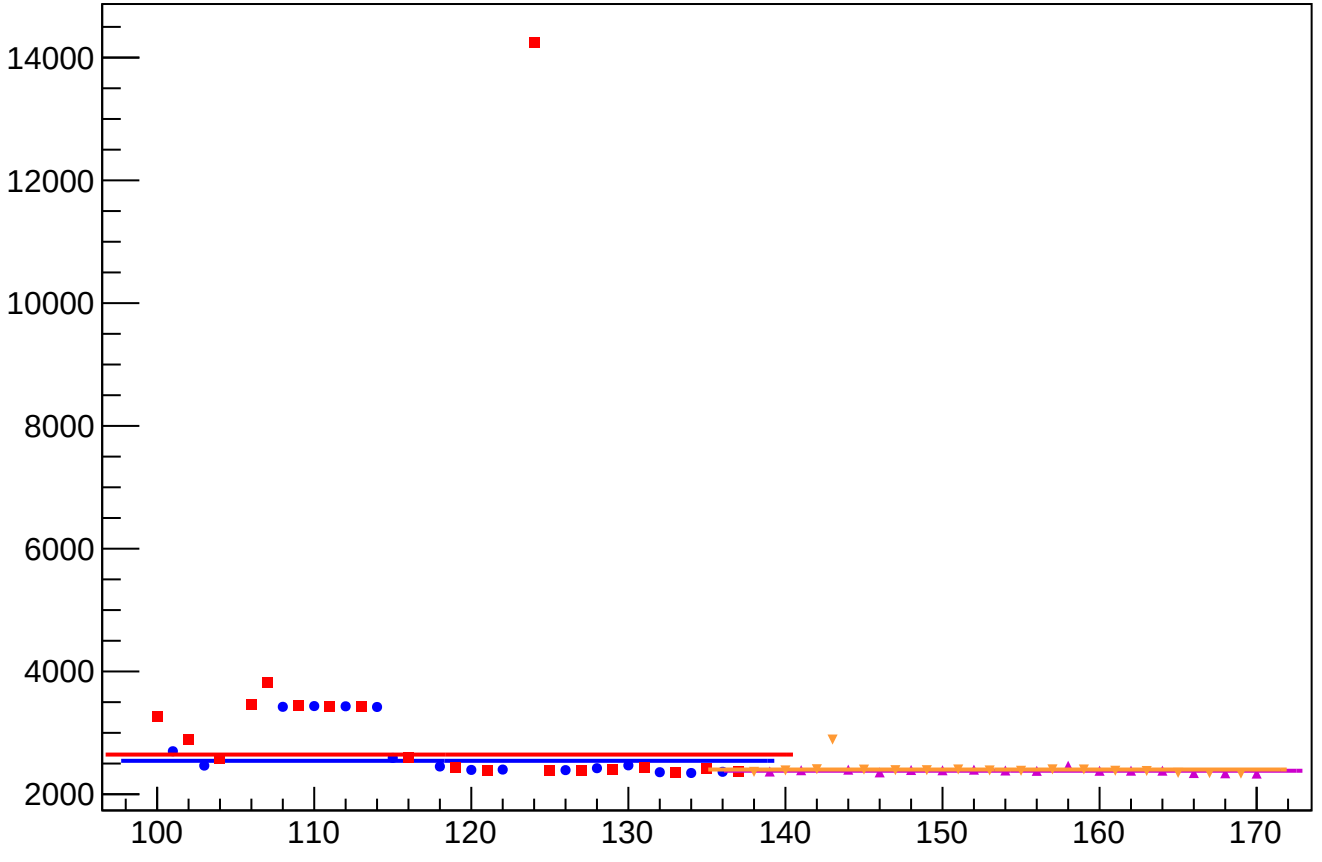
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1830.551+/-539.874 χ^2/NDF:34.3/31

Out: 1655.043+/-545.978 χ^2/NDF:39.0/35

All: 1743.784+/-383.888 χ^2/NDF: 73.4/67

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2402.803+/-0.464 χ^2/NDF:50613.2/16

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

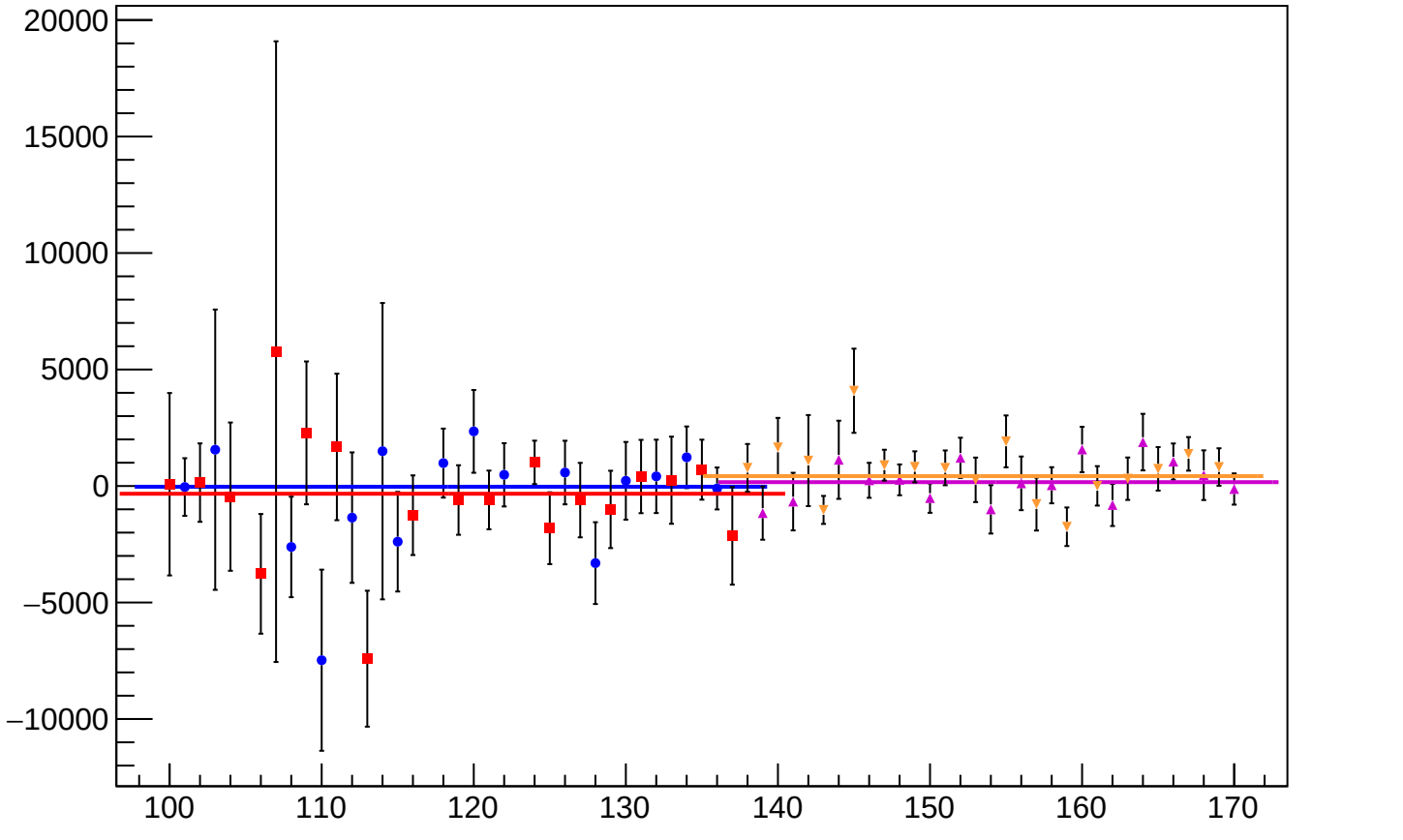
Left: 2392.690+/-0.328 χ^2/NDF: 55491.0/32

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2477.521+/-0.386 χ^2/NDF:674722.1/35

All: 2455.808+/-0.271 χ^2/NDF: 949699.8/67



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 425.785+/-210.359 χ^2/NDF:24.4/16

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 165.479+/-219.563 χ^2/NDF:12.9/15

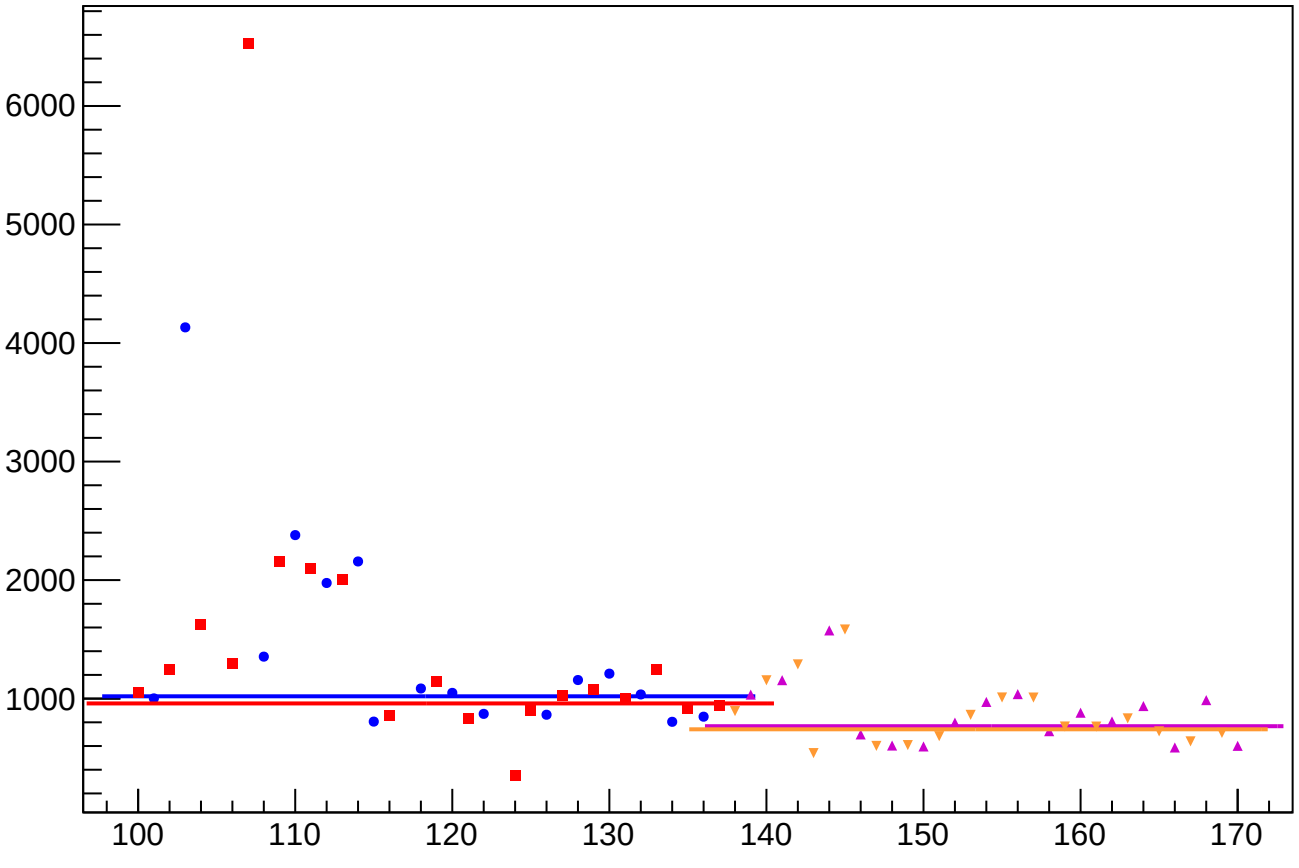
Left: 301.202+/-151.896 χ^2/NDF: 38.0/32

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 120.915+/-193.100 χ^2/NDF:26.9/31

Out: 261.190+/-186.115 χ^2/NDF:41.6/35

All: 193.636+/-134.005 χ^2/NDF: 68.7/67


asym_atl1_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
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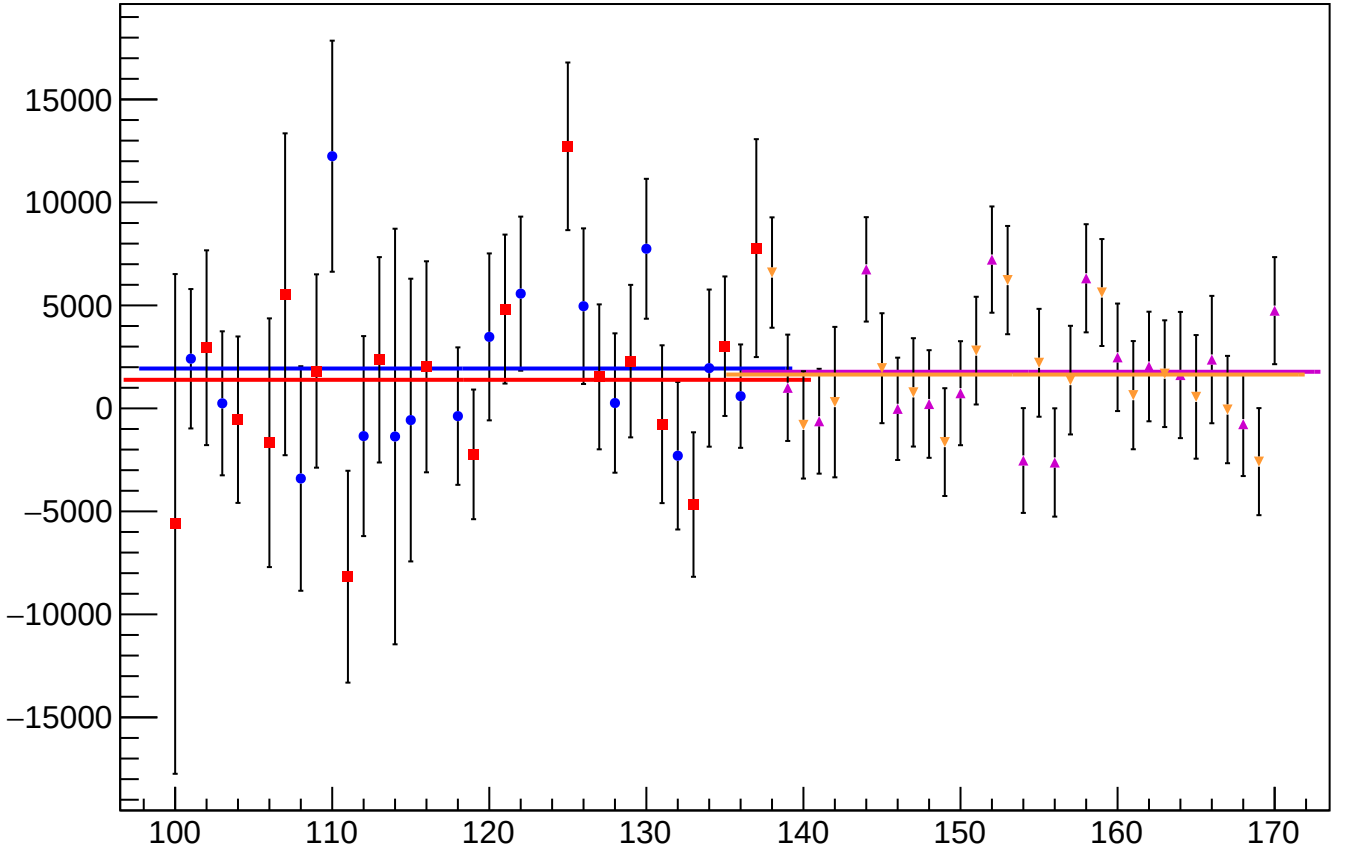
140
150
160
170
Right In: 1019.514+/-0.287 χ²/NDF: 1364741.0/15
Left Out: 741.046+/-0.149 χ²/NDF:1582153.0/16
Right Out: 959.344+/-0.282 χ²/NDF: 2344434.8/18
Left In: 767.239+/-0.155 χ²/NDF:1636371.6/15
Left: 753.582+/-0.107 χ²/NDF: 3233364.3/32
Right: 988.952+/-0.201 χ²/NDF: 3731518.7/34
In: 824.384+/-0.137 χ²/NDF:3599206.5/31
Out: 788.464+/-0.132 χ²/NDF:4394427.8/35
All: 805.763+/-0.095 χ²/NDF: 8029511.1/67

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1643.749+/-670.883 χ^2/NDF:15.1/15

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1778.112+/-655.883 χ^2/NDF:21.4/15

Left: 1712.449+/-468.993 χ^2/NDF: 36.6/31

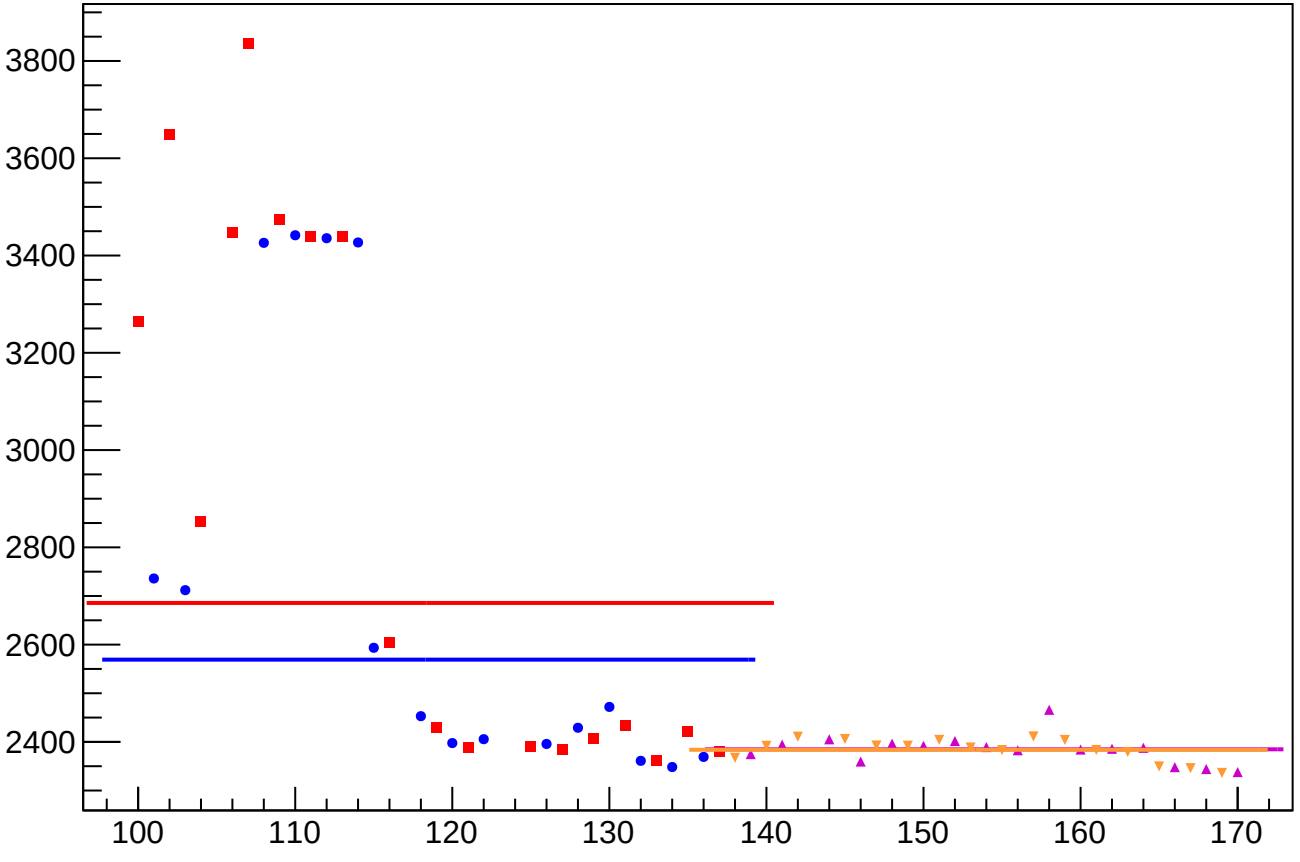
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1828.189+/-541.973 χ^2/NDF:33.8/31

Out: 1565.218+/-558.682 χ^2/NDF:34.9/33

All: 1700.695+/-389.006 χ^2/NDF: 68.9/65

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2383.744+/-0.474 χ^2/NDF:2206.0/15

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2384.748+/-0.464 χ^2/NDF:3912.8/15

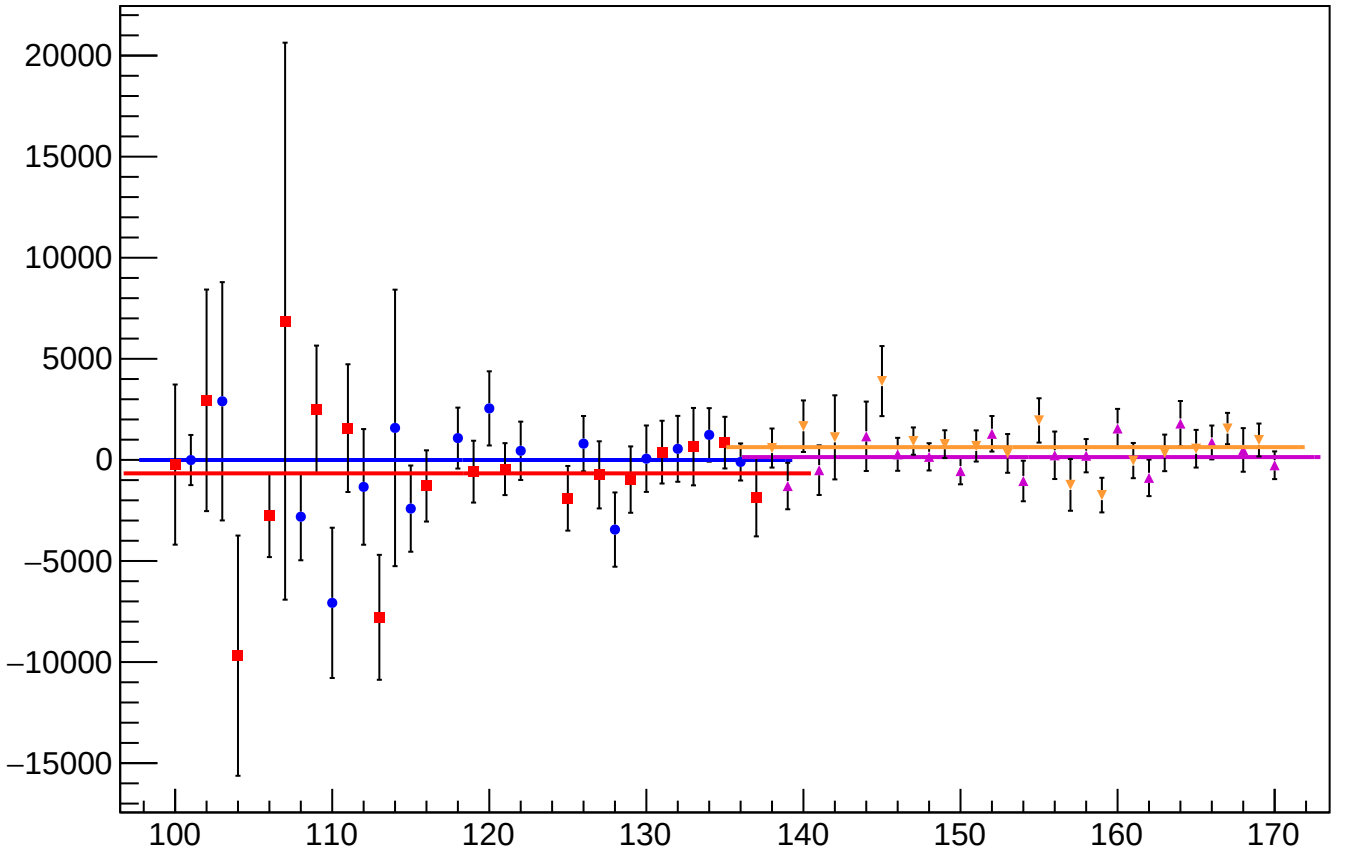
Left: 2384.257+/-0.332 χ^2/NDF: 6121.1/31

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2443.232+/-0.383 χ^2/NDF:283533.6/31

Out: 2476.291+/-0.395 χ^2/NDF:545638.1/33

All: 2459.260+/-0.275 χ^2/NDF: 832779.5/65



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 630.787+/-229.382 χ^2/NDF:18.2/15

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 139.400+/-224.792 χ^2/NDF:13.3/15

Left: 380.128+/-160.550 χ^2/NDF: 33.8/31

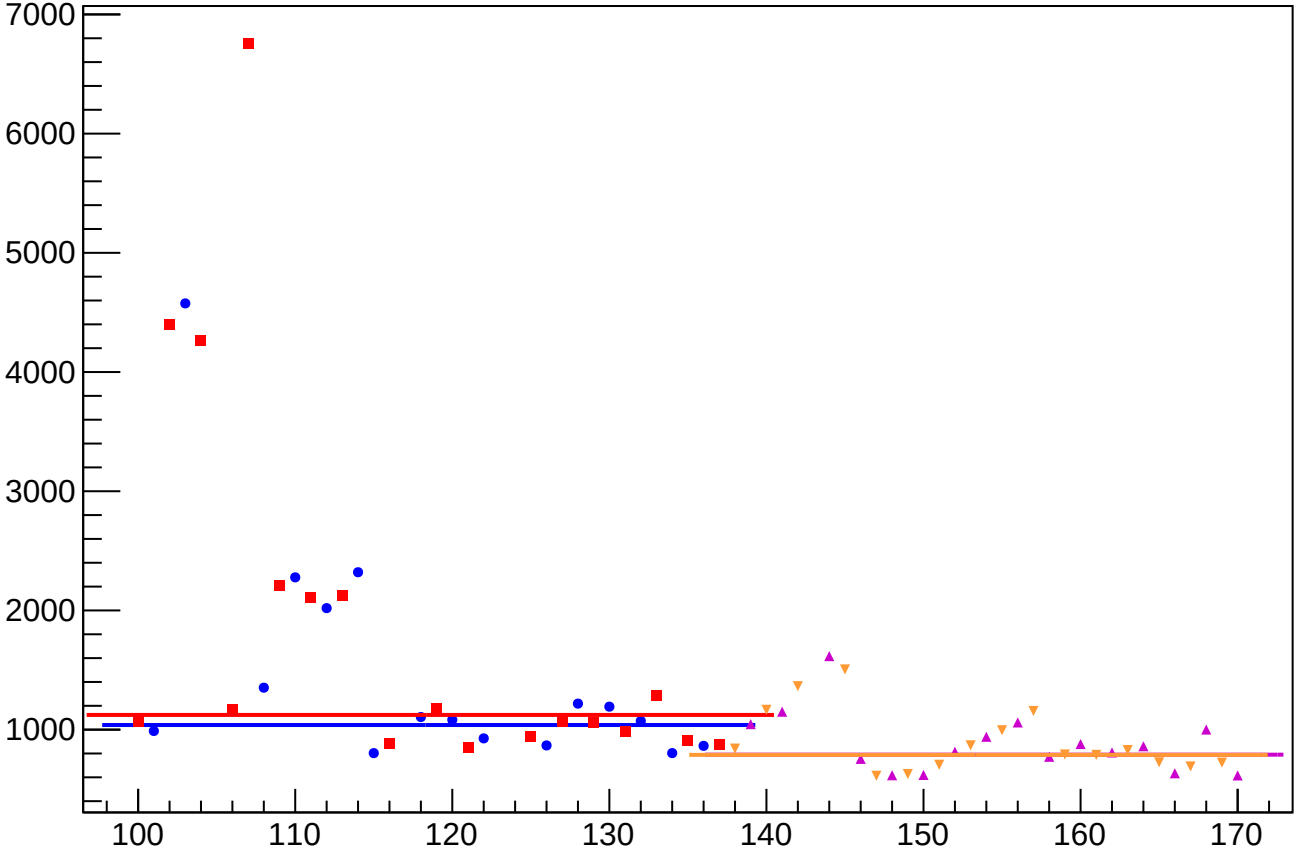
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 106.266+/-197.358 χ^2/NDF:27.9/31

Out: 373.014+/-205.321 χ^2/NDF:38.9/33

All: 234.367+/-142.285 χ^2/NDF: 67.7/65

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 788.495+/-0.162 χ^2/NDF:1252066.8/15

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 790.008+/-0.159 χ^2/NDF:1458707.5/15

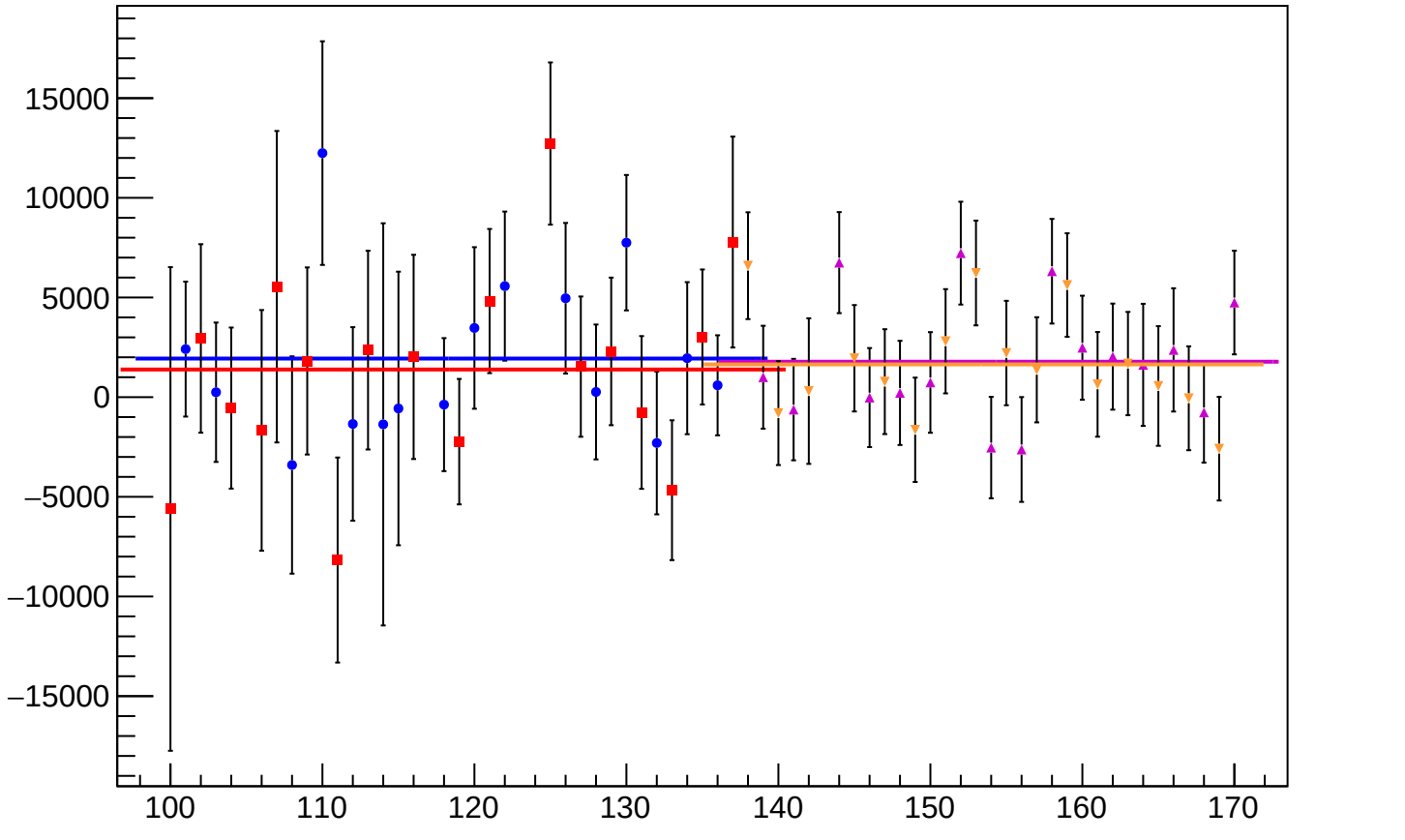
Left: 789.267+/-0.114 χ^2/NDF: 2710818.8/31

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 847.029+/-0.140 χ^2/NDF:3559929.0/31

Out: 855.084+/-0.145 χ^2/NDF:4635454.4/33

All: 850.897+/-0.101 χ^2/NDF: 8196983.1/65



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1643.749+/-670.883 χ^2/NDF:15.1/15

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1778.112+/-655.883 χ^2/NDF:21.4/15

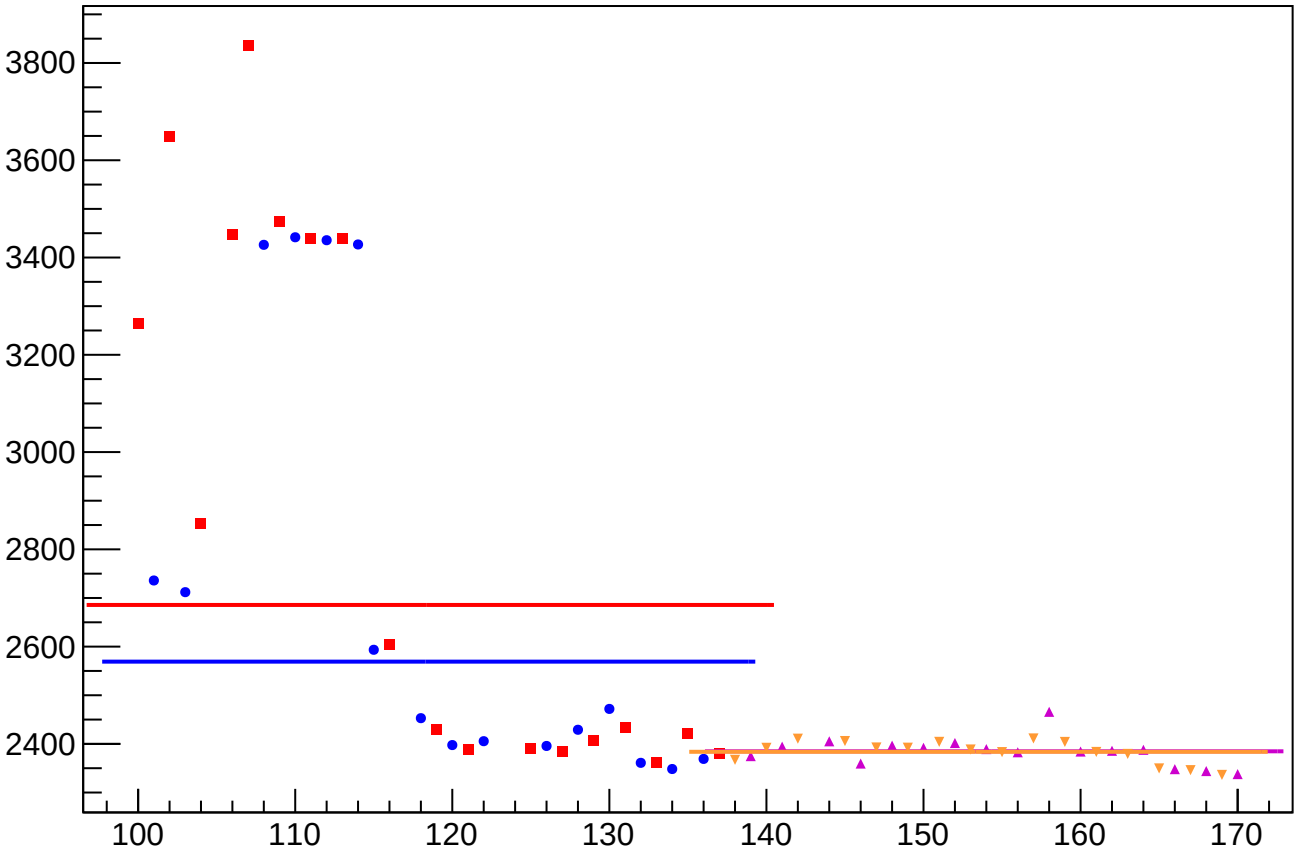
Left: 1712.449+/-468.993 χ^2/NDF: 36.6/31

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1828.189+/-541.973 χ^2/NDF:33.8/31

Out: 1565.218+/-558.682 χ^2/NDF:34.9/33

All: 1700.694+/-389.006 χ^2/NDF: 68.9/65



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2383.744+/-0.474 χ^2/NDF:2206.0/15

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2384.748+/-0.464 χ^2/NDF:3912.8/15

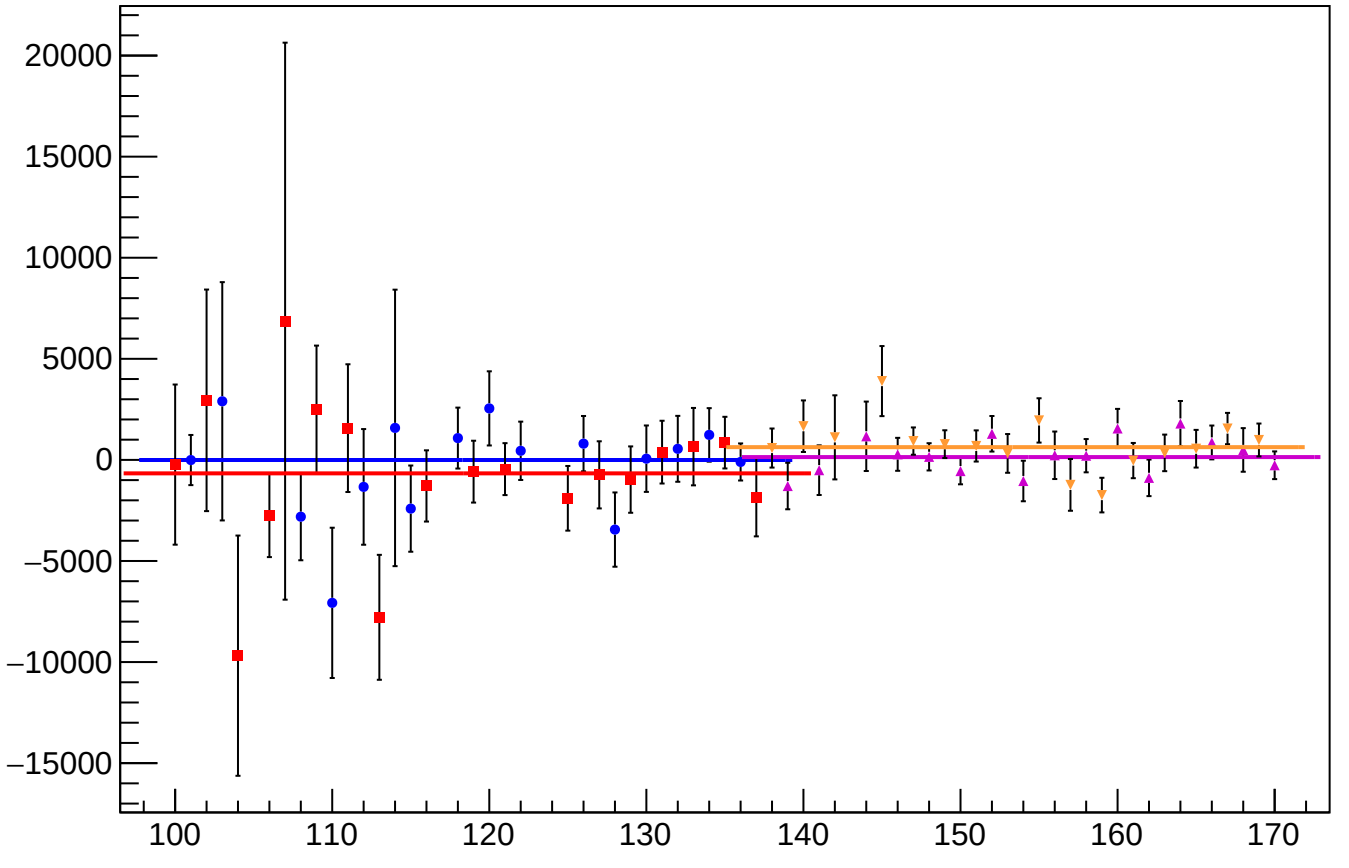
Left: 2384.257+/-0.332 χ^2/NDF: 6121.1/31

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2443.232+/-0.383 χ^2/NDF:283533.1/31

Out: 2476.291+/-0.395 χ^2/NDF:545637.1/33

All: 2459.260+/-0.275 χ^2/NDF: 832778.1/65



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 630.786+/-229.382 χ^2/NDF:18.2/15

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 139.400+/-224.792 χ^2/NDF:13.3/15

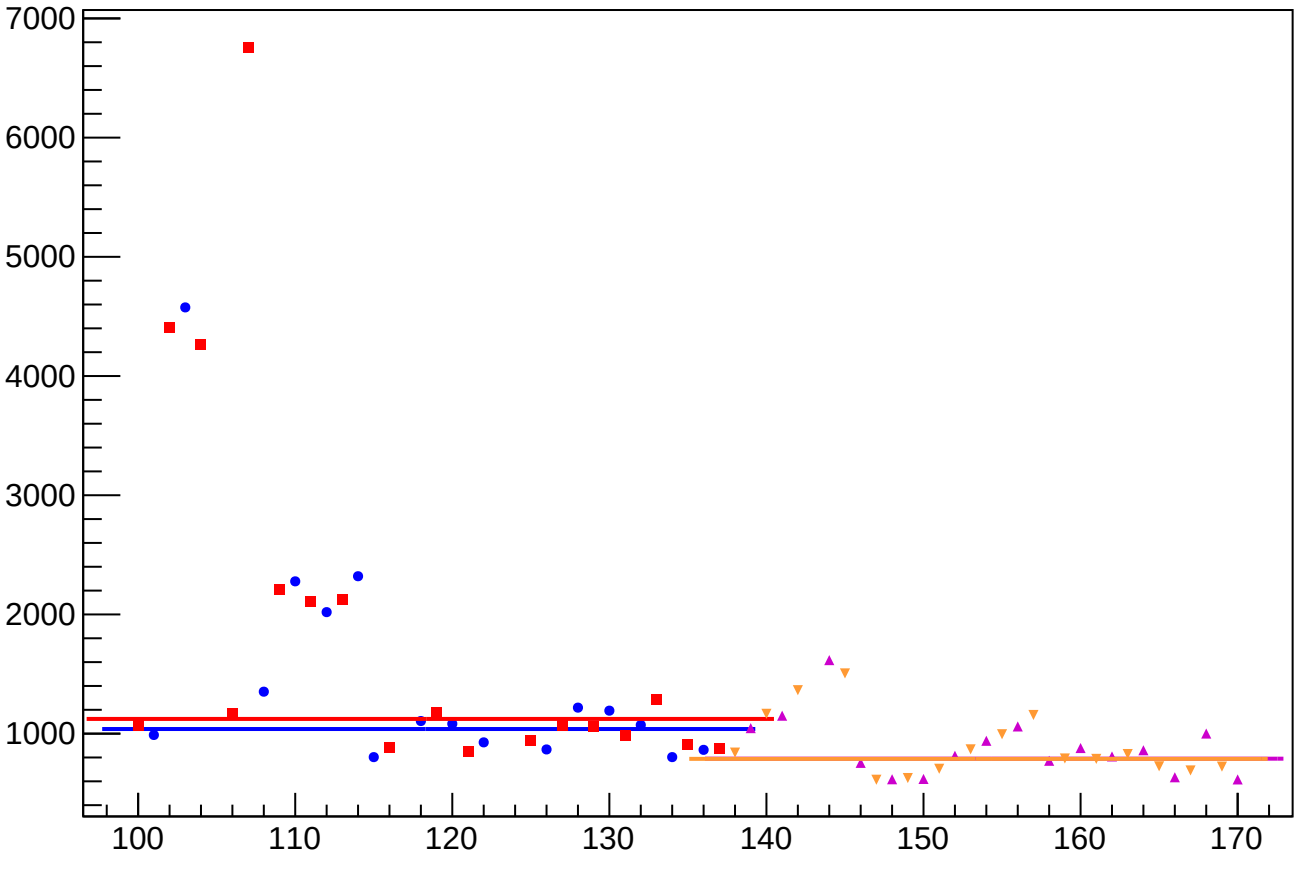
Left: 380.127+/-160.550 χ^2/NDF: 33.8/31

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 106.265+/-197.358 χ^2/NDF:27.9/31

Out: 373.013+/-205.321 χ^2/NDF:38.9/33

All: 234.366+/-142.285 χ^2/NDF: 67.7/65



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 788.496+/-0.162 χ^2/NDF:1252064.5/15

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 790.010+/-0.159 χ^2/NDF:1458705.8/15

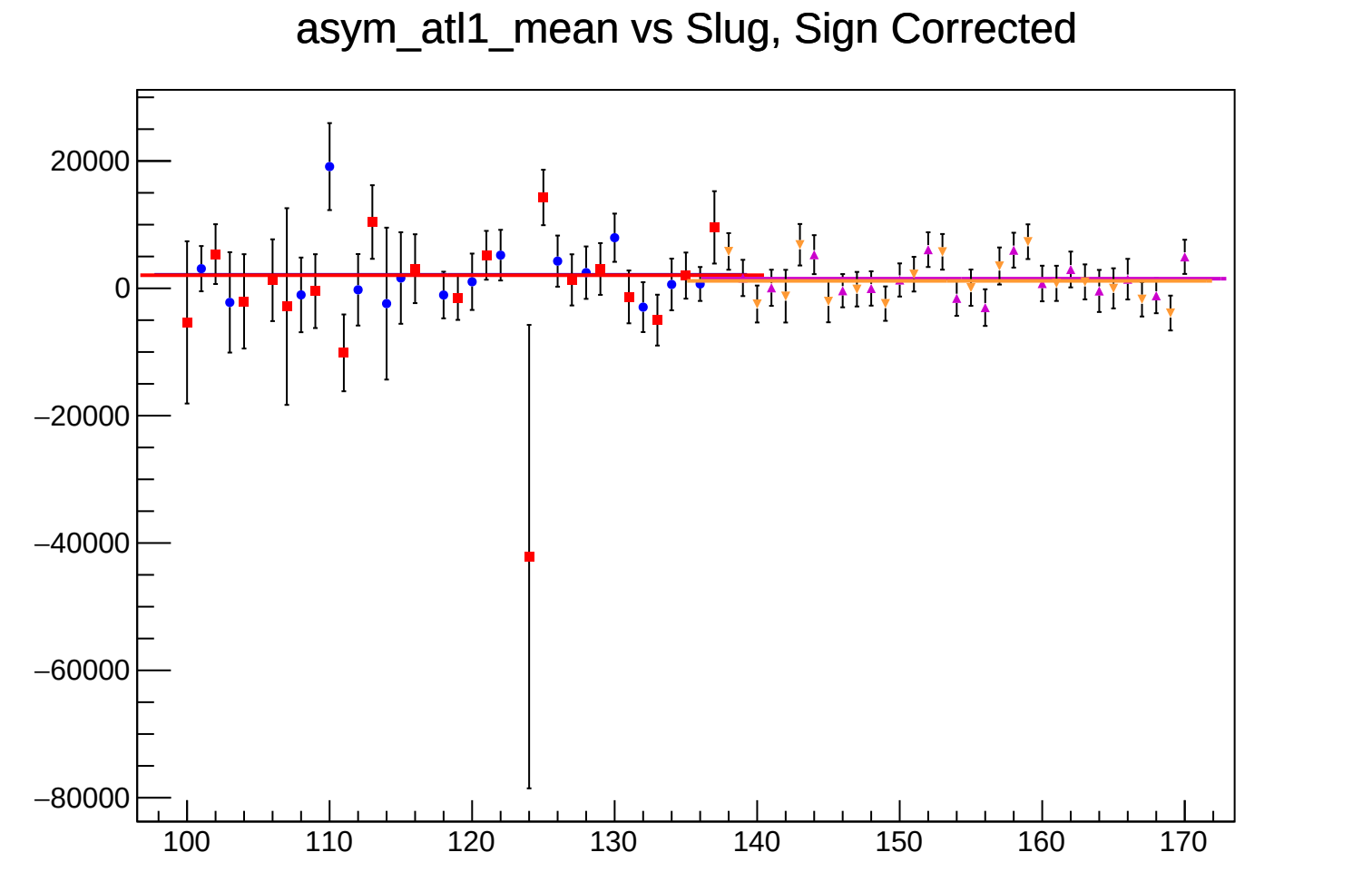
Left: 789.268+/-0.114 χ^2/NDF: 2710814.7/31

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 847.031+/-0.140 χ^2/NDF:3559916.8/31

Out: 855.085+/-0.145 χ^2/NDF:4635442.3/33

All: 850.899+/-0.101 χ^2/NDF: 8196958.8/65



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1169.253+/-702.066 χ^2/NDF:23.8/16

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1513.424+/-703.148 χ^2/NDF:15.1/15

Left: 1341.074+/-496.818 χ^2/NDF: 39.1/32

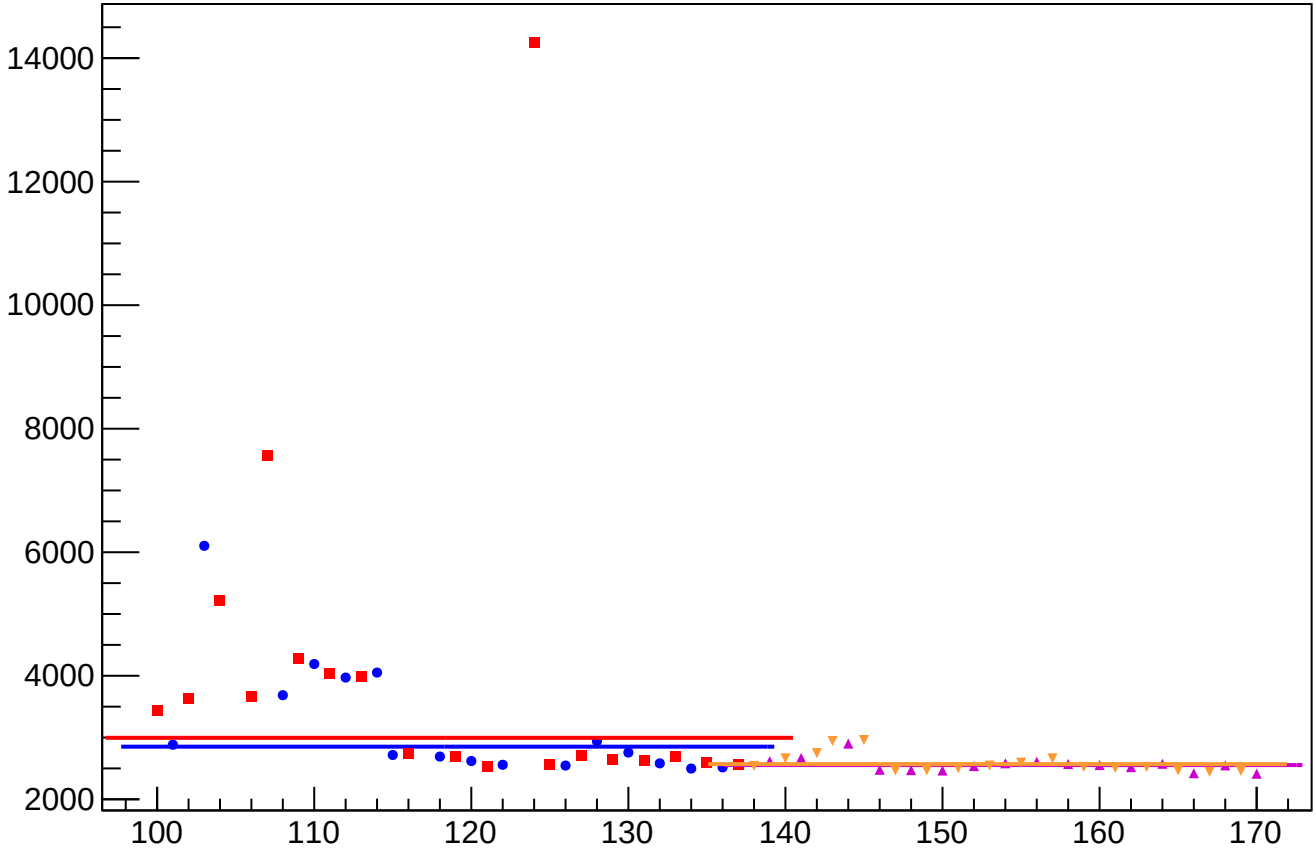
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1693.489+/-590.023 χ^2/NDF:28.7/31

Out: 1415.115+/-597.335 χ^2/NDF:48.6/35

All: 1556.016+/-419.771 χ^2/NDF: 77.4/67

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2569.952+/-0.496 χ^2/NDF:81240.5/16

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2553.974+/-0.497 χ^2/NDF:46110.4/15

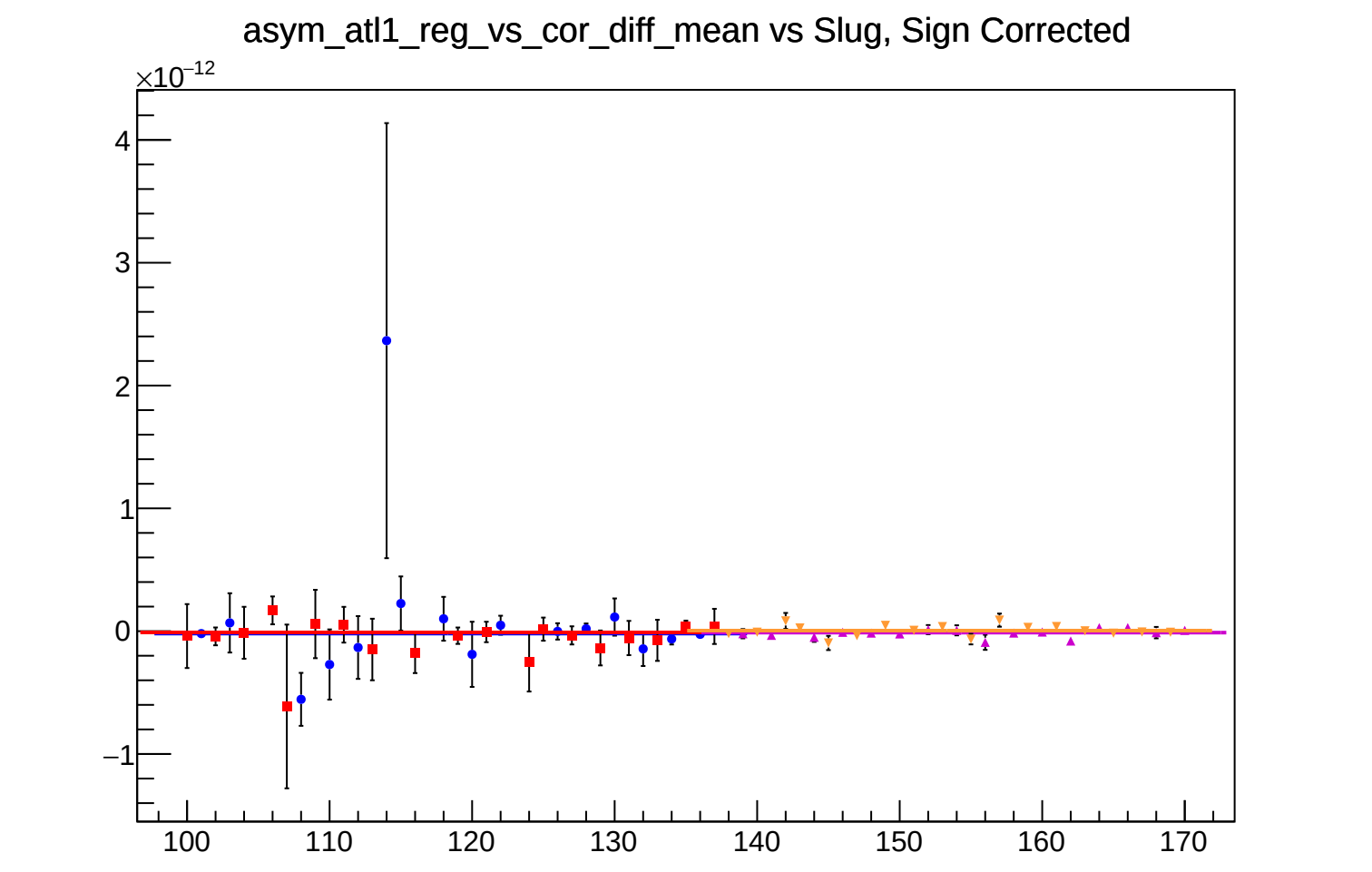
Left: 2561.976+/-0.351 χ^2/NDF: 127868.1/32

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2642.216+/-0.417 χ^2/NDF:801279.8/31

Out: 2687.452+/-0.422 χ^2/NDF:1263310.5/35

All: 2664.555+/-0.297 χ^2/NDF: 2070395.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/15

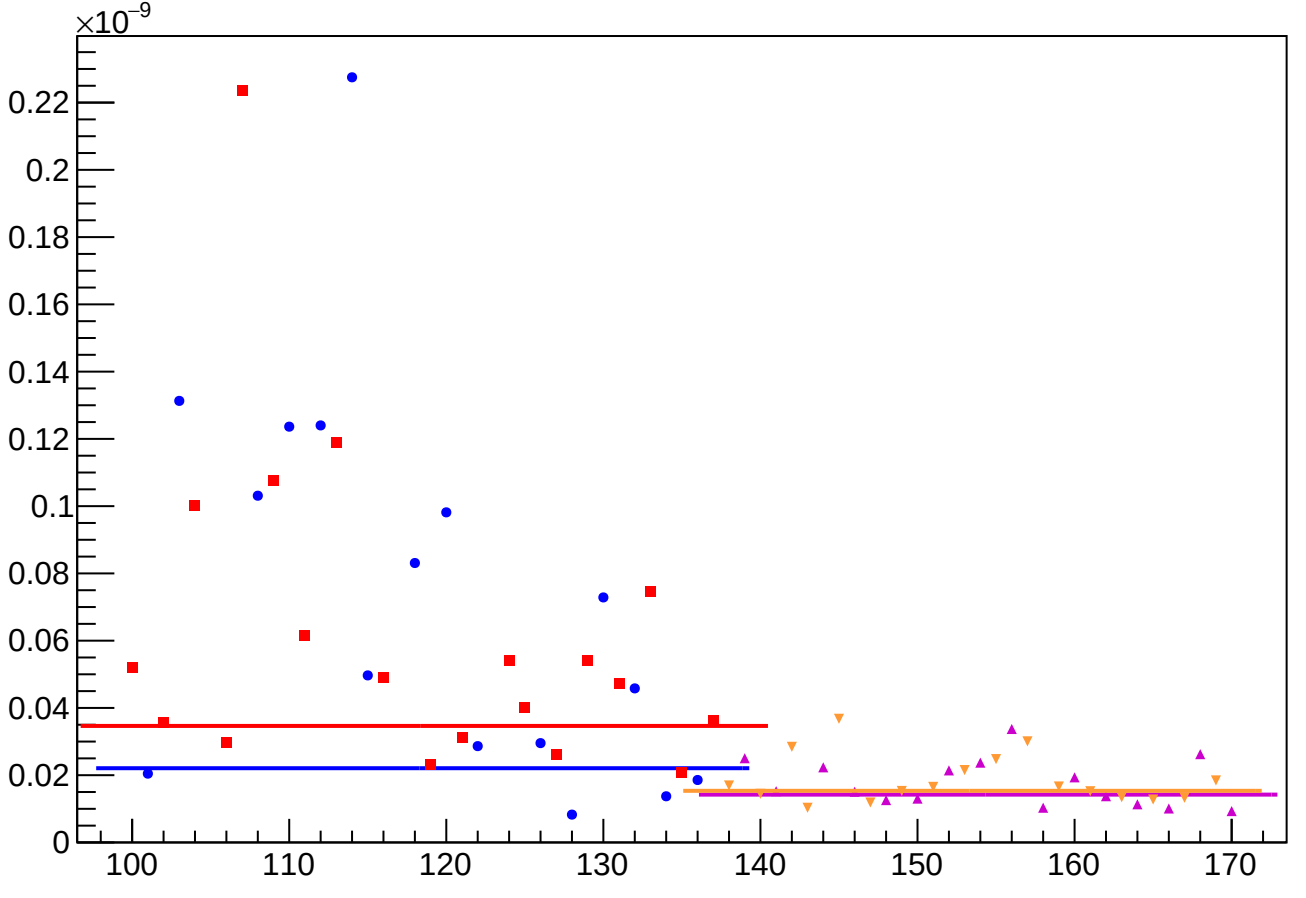
Left: -0.000+/-0.000 χ^2/NDF: 43.3/32

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:34.0/31

Out: 0.000+/-0.000 χ^2/NDF:30.8/35

All: -0.000+/-0.000 χ^2/NDF: 67.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:927427.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1149455.7/15

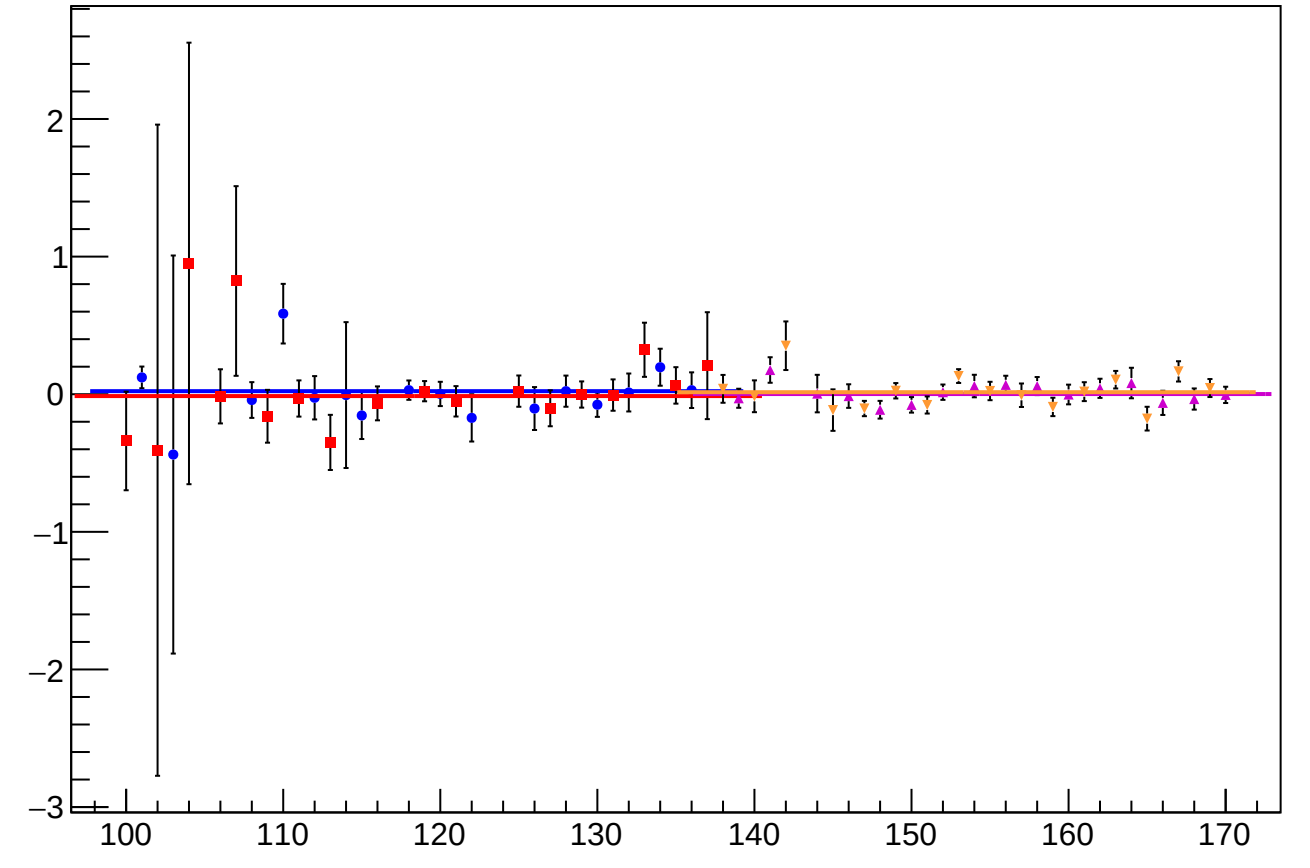
Left: 0.000+/-0.000 χ^2/NDF: 2103766.5/32

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3854565.8/31

Out: 0.000+/-0.000 χ^2/NDF:3327097.6/35

All: 0.000+/-0.000 χ^2/NDF: 7230315.5/67



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.015+/-0.018 χ^2/NDF:30.9/15

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.018 χ^2/NDF:12.9/15

Left: 0.008+/-0.013 χ^2/NDF: 44.0/31

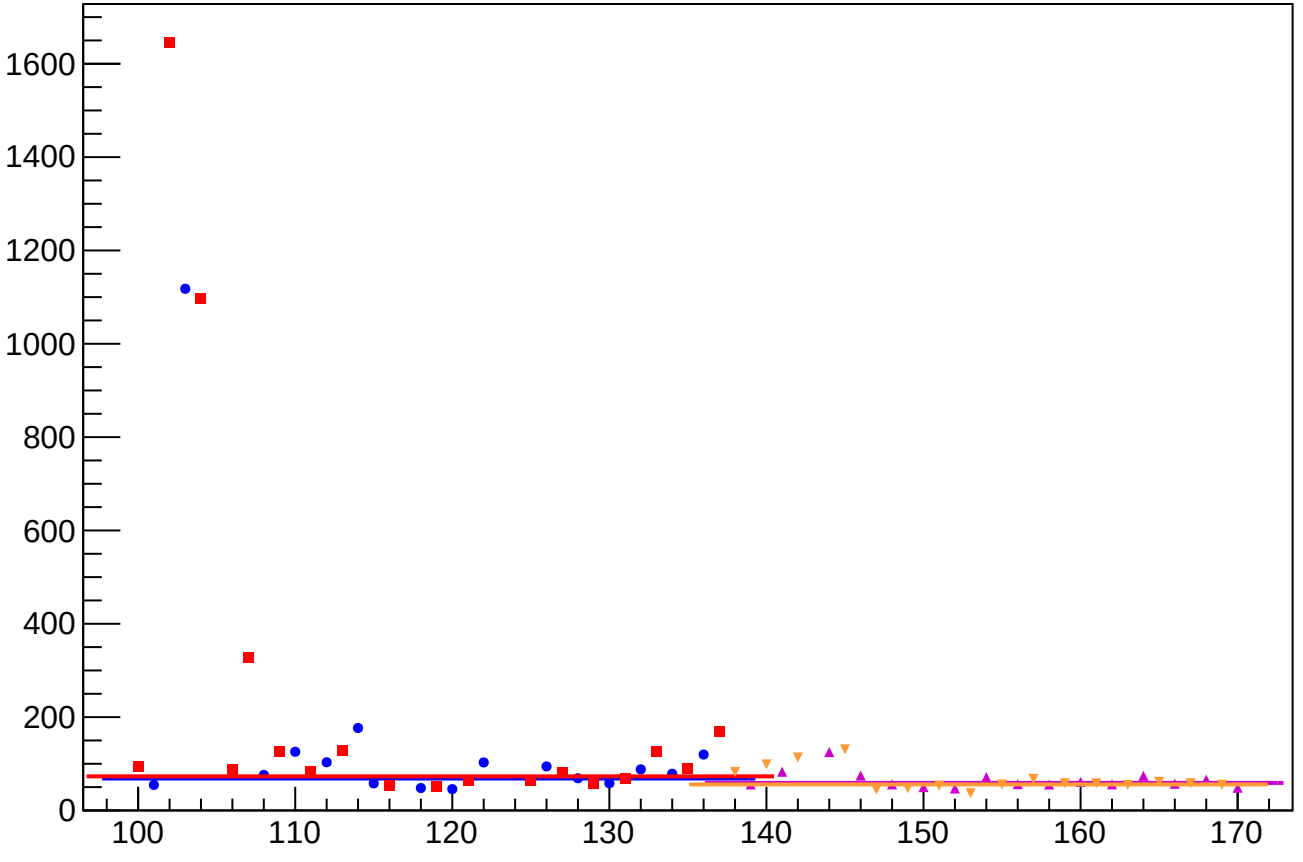
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.009+/-0.016 χ^2/NDF:42.3/33

All: 0.008+/-0.011 χ^2/NDF: 70.3/65

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: 55.786+/-0.013 χ^2/NDF:1585080.2/15

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.021+/-0.013 χ^2/NDF:999973.8/15

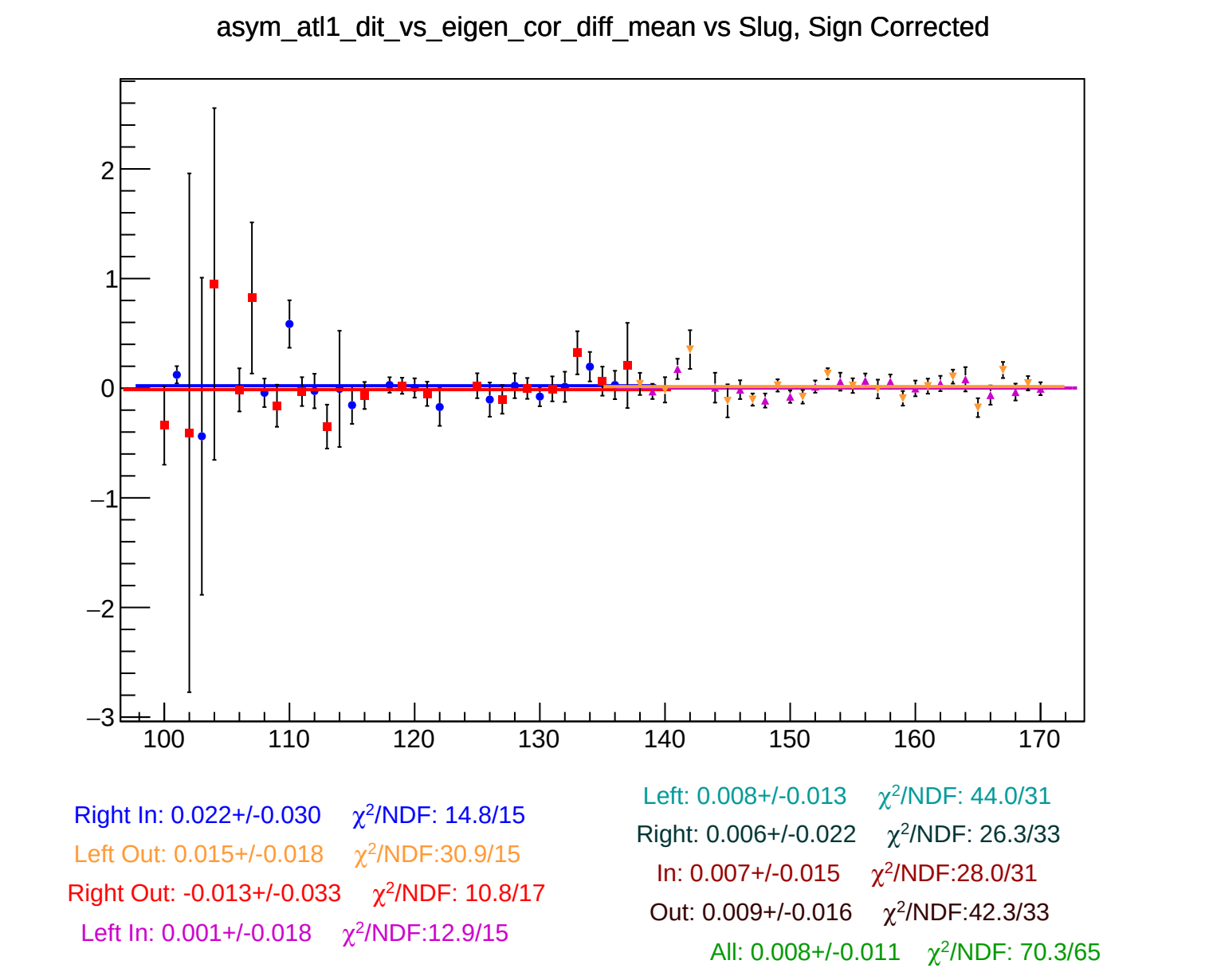
Left: 57.384+/-0.009 χ^2/NDF: 2617541.4/31

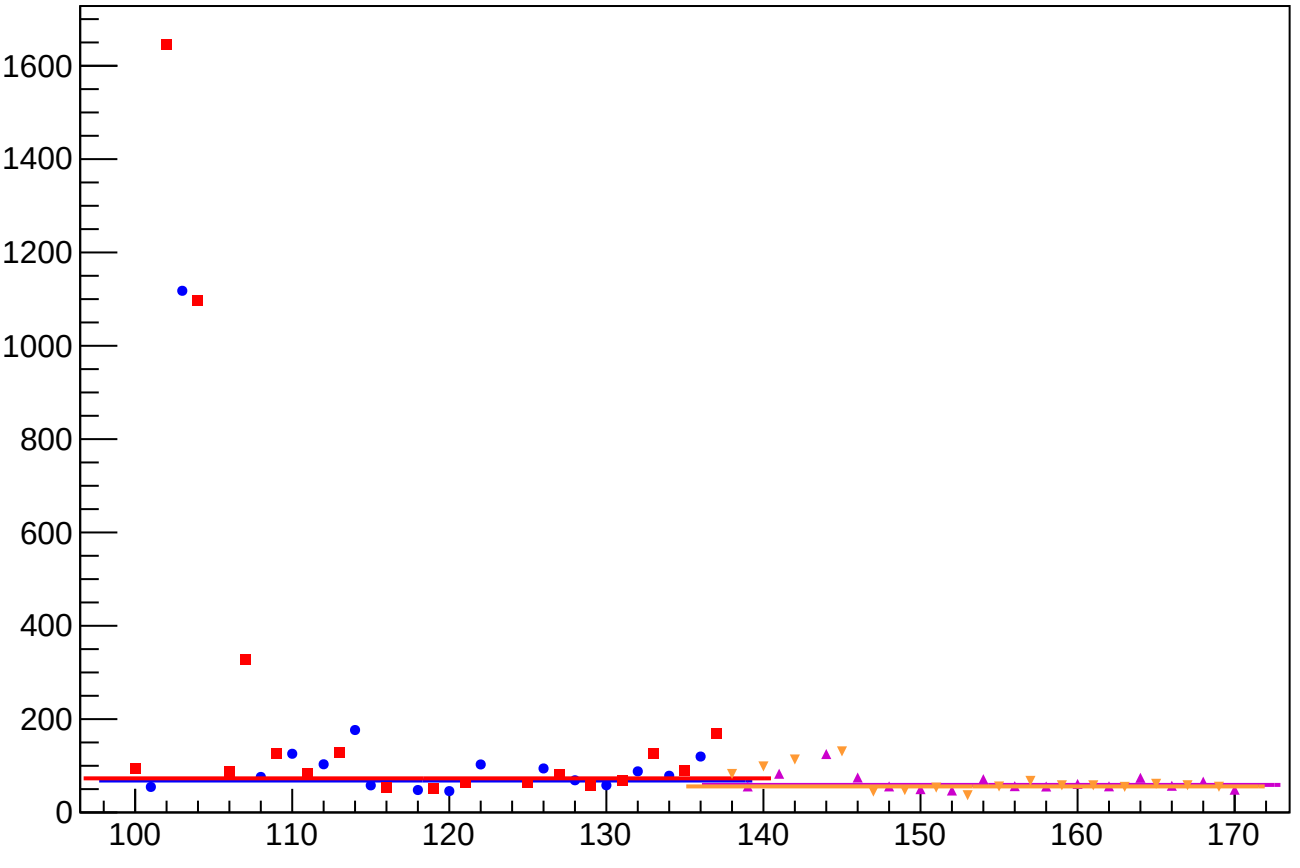
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.504+/-0.011 χ^2/NDF:3421417.3/31

Out: 59.609+/-0.011 χ^2/NDF:4913533.8/33

All: 60.572+/-0.008 χ^2/NDF: 8349681.7/65


asym_atl1_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: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.015+/-0.018 χ²/NDF:30.9/15
Right Out: -0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.001+/-0.018 χ²/NDF:12.9/15
Left: 0.008+/-0.013 χ²/NDF: 44.0/31
Right: 0.006+/-0.022 χ²/NDF: 26.3/33
In: 0.007+/-0.015 χ²/NDF:28.0/31
Out: 0.009+/-0.016 χ²/NDF:42.3/33
All: 0.008+/-0.011 χ²/NDF: 70.3/65



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.786+/-0.013 χ^2/NDF:1585080.2/15

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.021+/-0.013 χ^2/NDF:999973.8/15

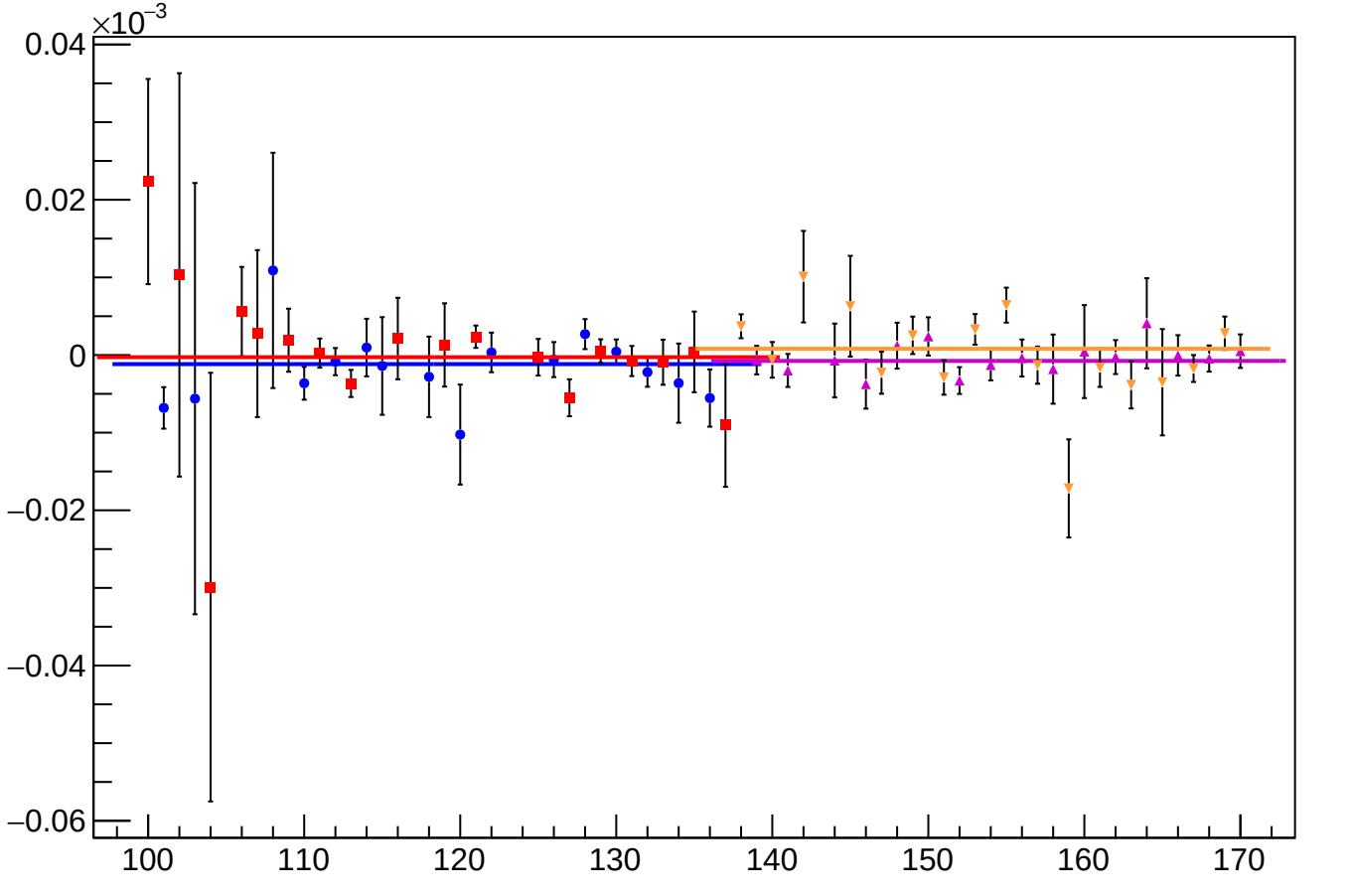
Left: 57.384+/-0.009 χ^2/NDF: 2617541.4/31

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.504+/-0.011 χ^2/NDF:3421417.3/31

Out: 59.609+/-0.011 χ^2/NDF:4913533.8/33

All: 60.572+/-0.008 χ^2/NDF: 8349681.7/65



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/15

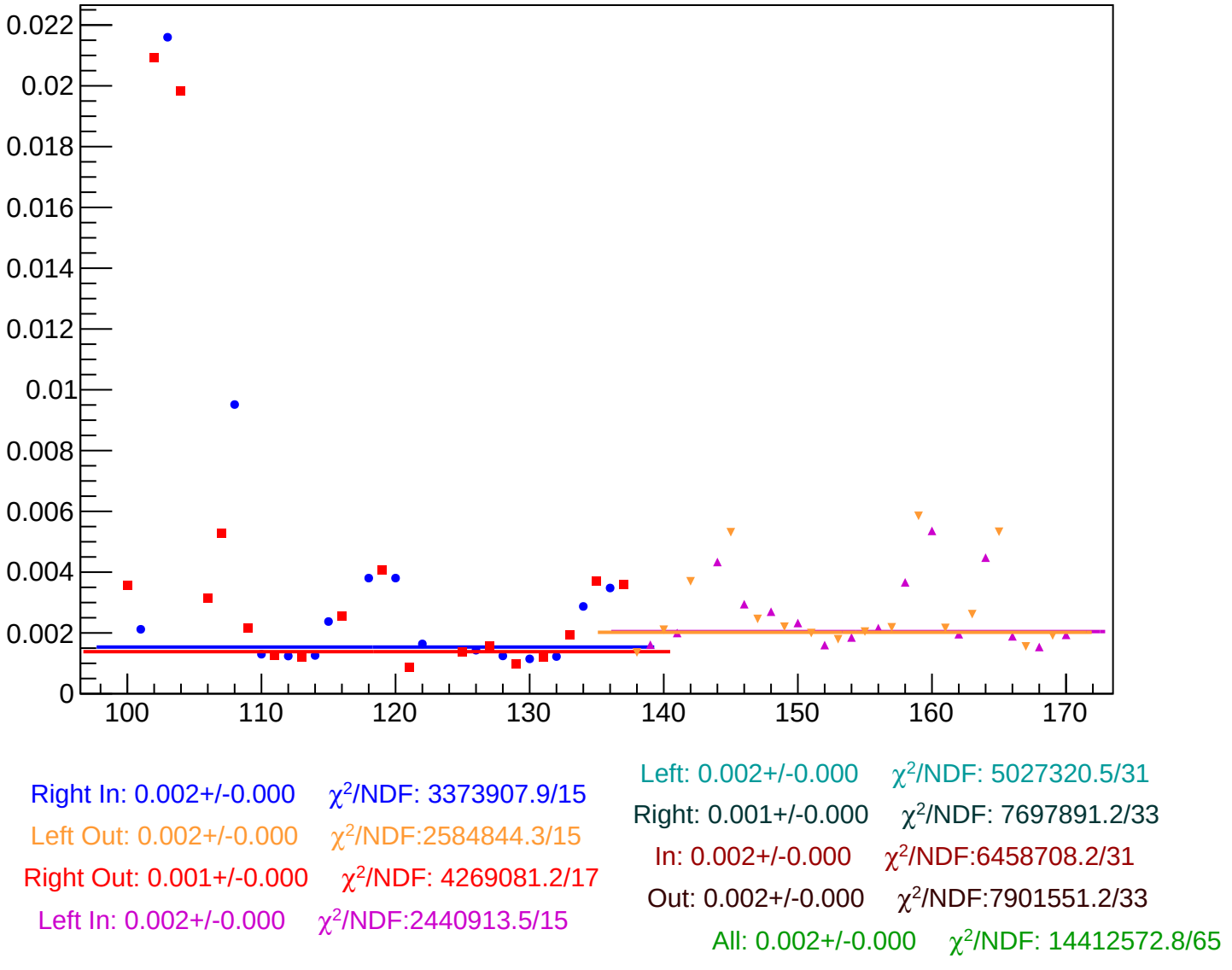
Left: 0.000+/-0.000 χ^2/NDF: 45.3/31

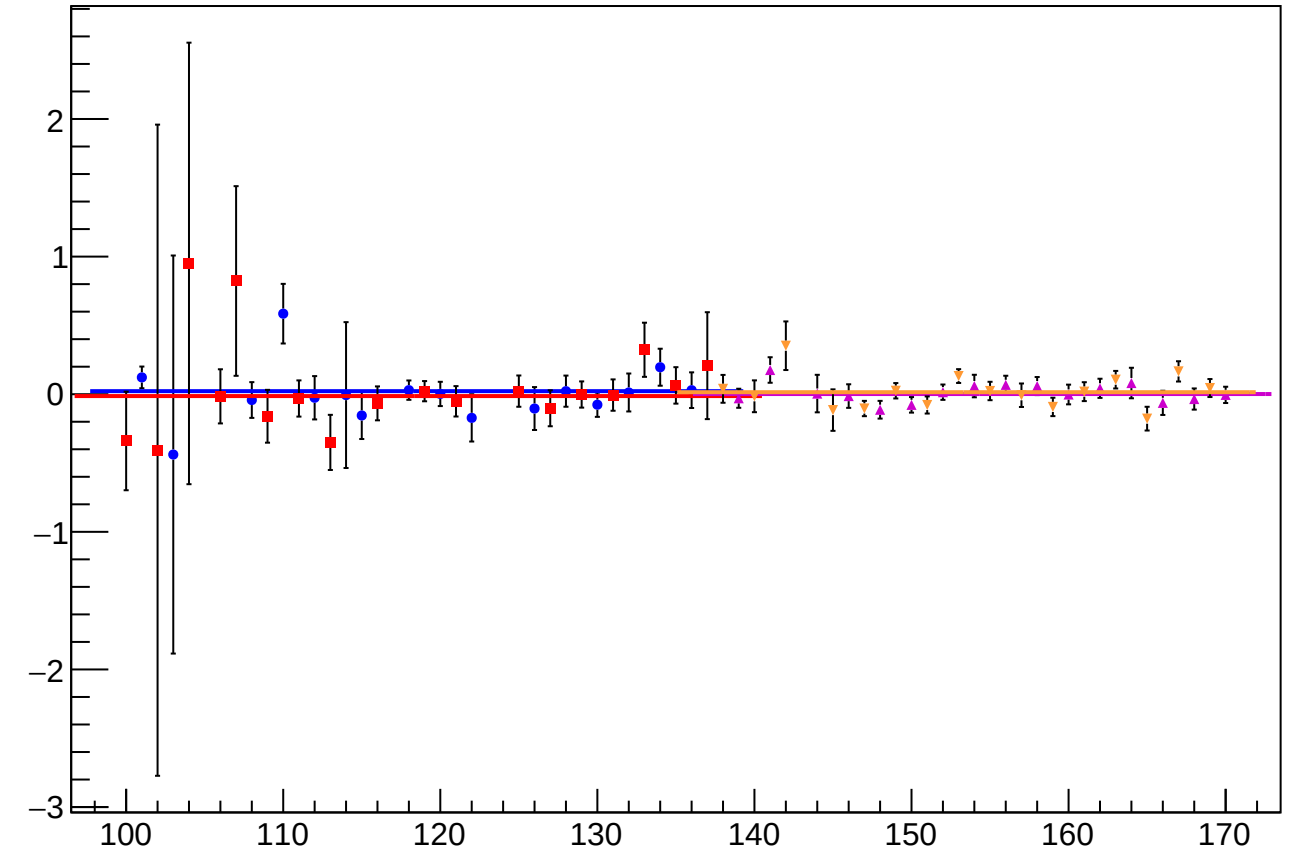
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:23.4/31

Out: 0.000+/-0.000 χ^2/NDF:56.2/33

All: -0.000+/-0.000 χ^2/NDF: 83.4/65


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2584844.3/15
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:2440913.5/15
Left: 0.002+/-0.000 χ²/NDF: 5027320.5/31
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:6458708.2/31
Out: 0.002+/-0.000 χ²/NDF:7901551.2/33
All: 0.002+/-0.000 χ²/NDF: 14412572.8/65



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.015+/-0.018 χ^2/NDF:30.9/15

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.018 χ^2/NDF:12.9/15

Left: 0.008+/-0.013 χ^2/NDF: 44.0/31

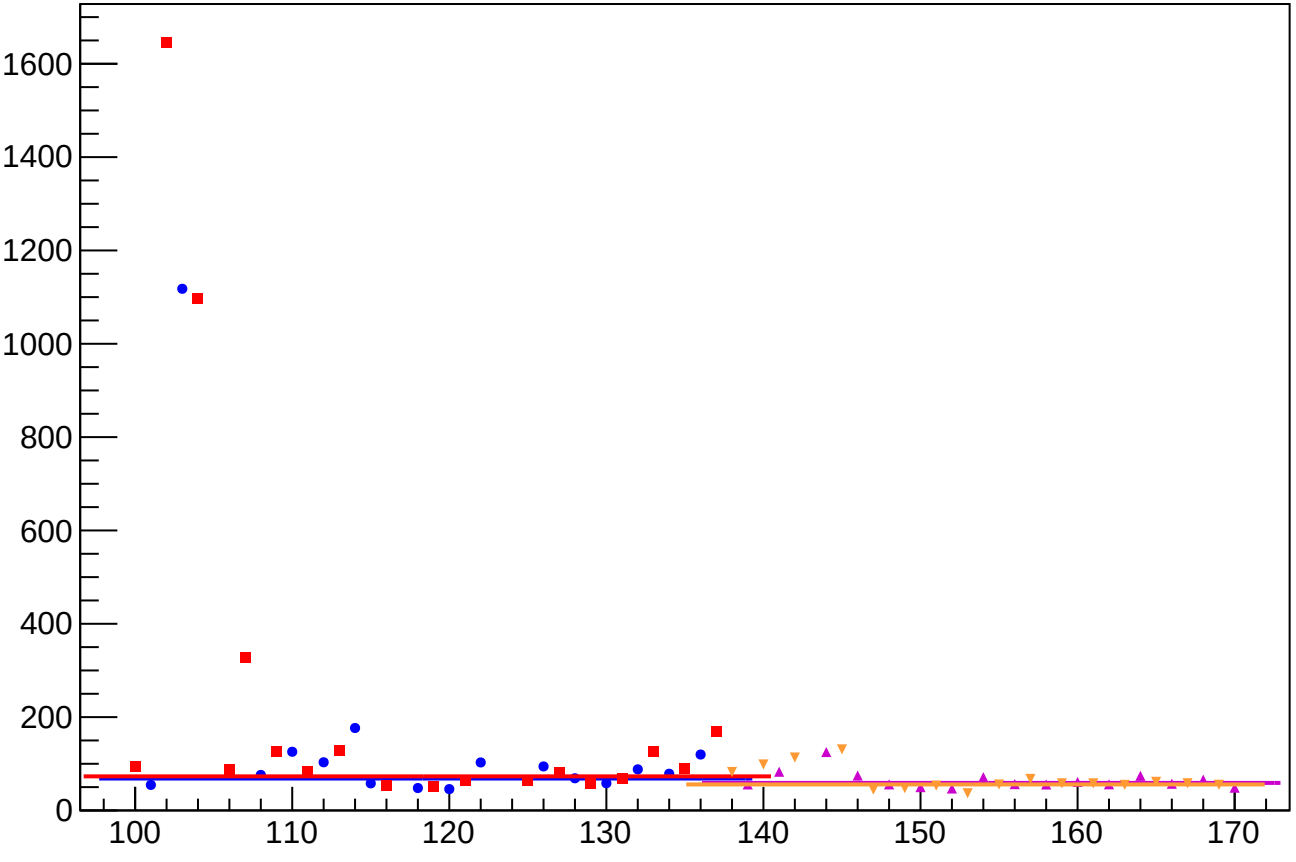
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.009+/-0.016 χ^2/NDF:42.3/33

All: 0.008+/-0.011 χ^2/NDF: 70.3/65

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.786+/-0.013 χ^2/NDF:1585154.6/15

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.021+/-0.013 χ^2/NDF:999944.7/15

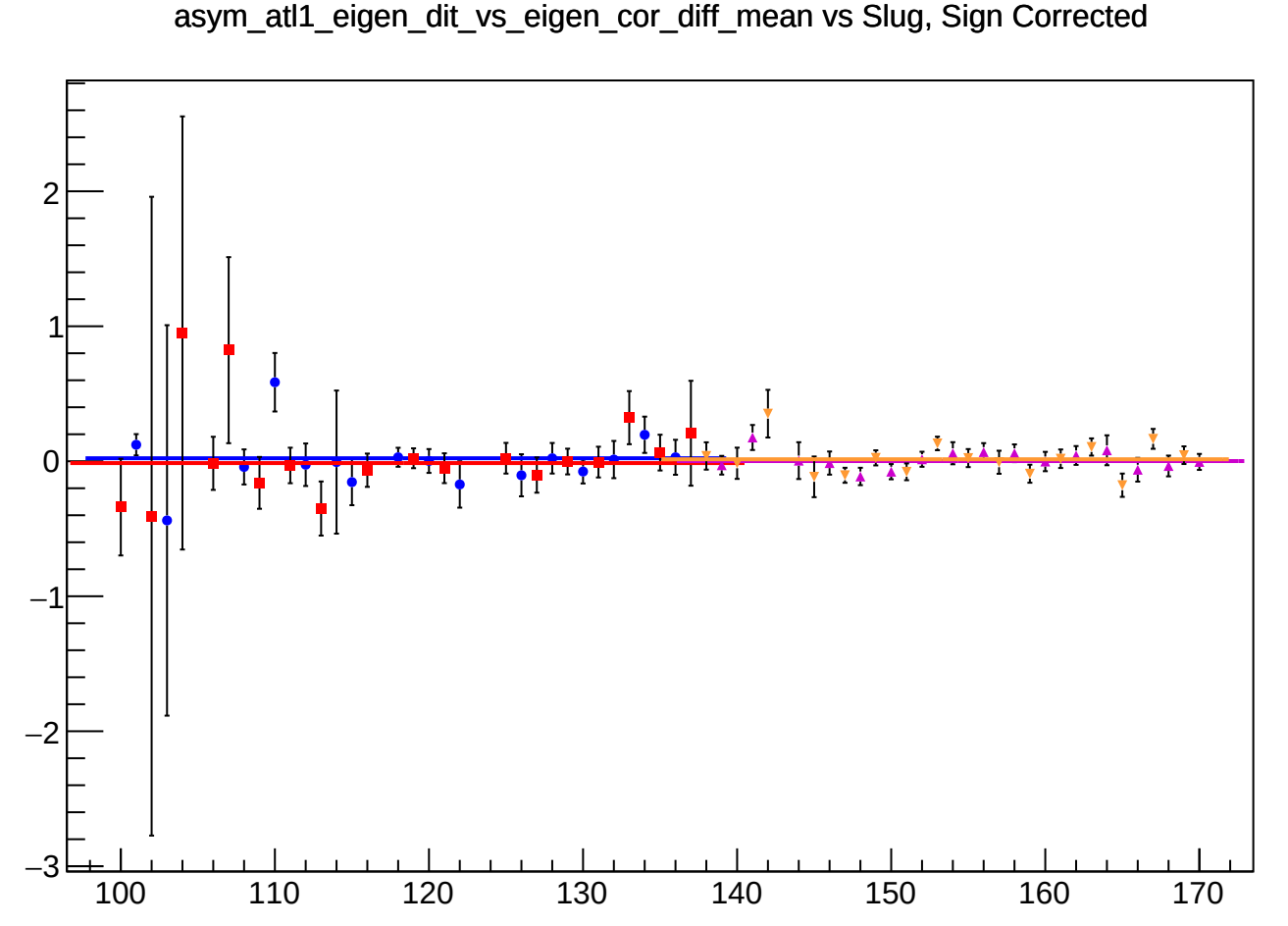
Left: 57.384+/-0.009 χ^2/NDF: 2617593.2/31

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.504+/-0.011 χ^2/NDF:3421437.6/31

Out: 59.608+/-0.011 χ^2/NDF:4913603.6/33

All: 60.572+/-0.008 χ^2/NDF: 8349773.6/65



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.015+/-0.018 χ^2/NDF:30.9/15

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.001+/-0.018 χ^2/NDF:12.9/15

Left: 0.008+/-0.013 χ^2/NDF: 44.0/31

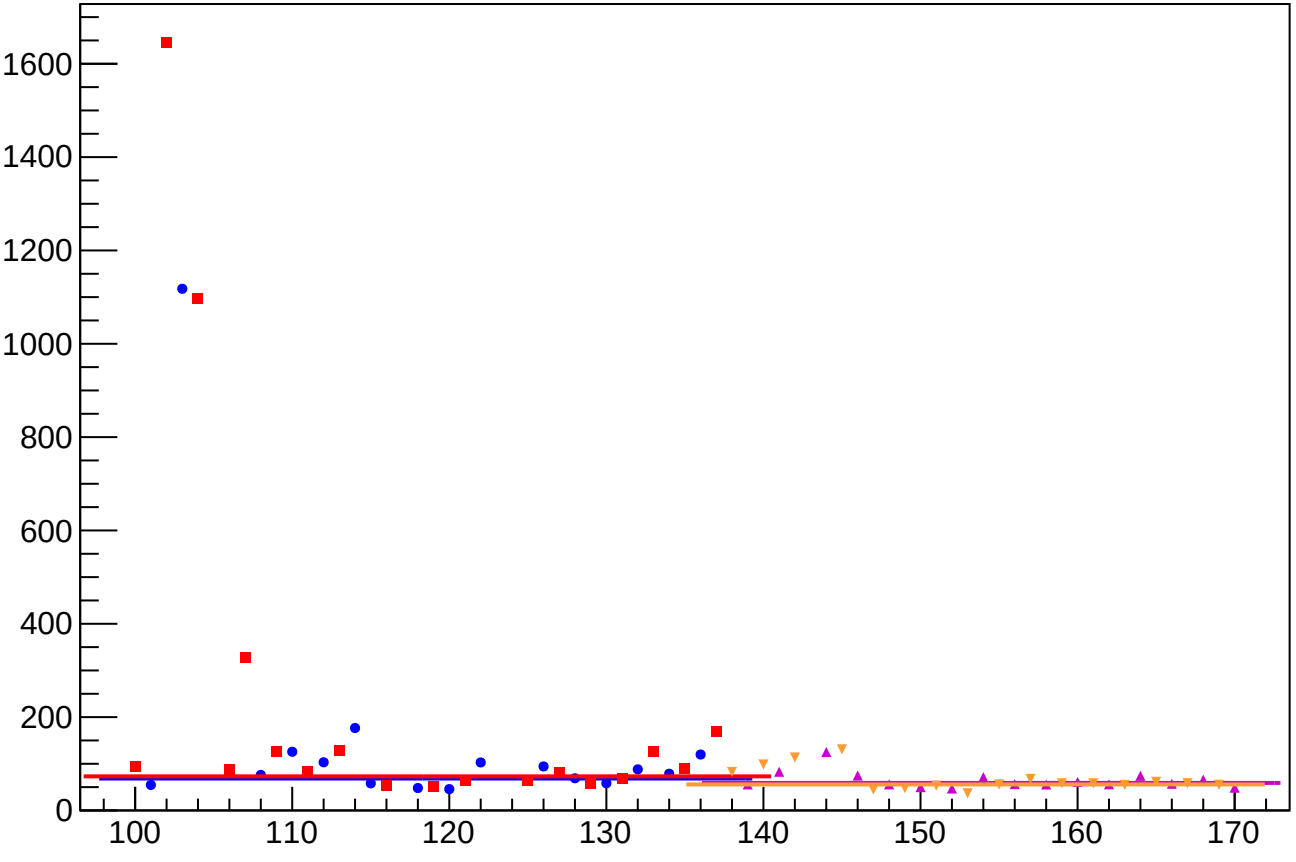
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.009+/-0.016 χ^2/NDF:42.3/33

All: 0.008+/-0.011 χ^2/NDF: 70.3/65

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.786+/-0.013 χ^2/NDF:1585154.6/15

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.021+/-0.013 χ^2/NDF:999944.7/15

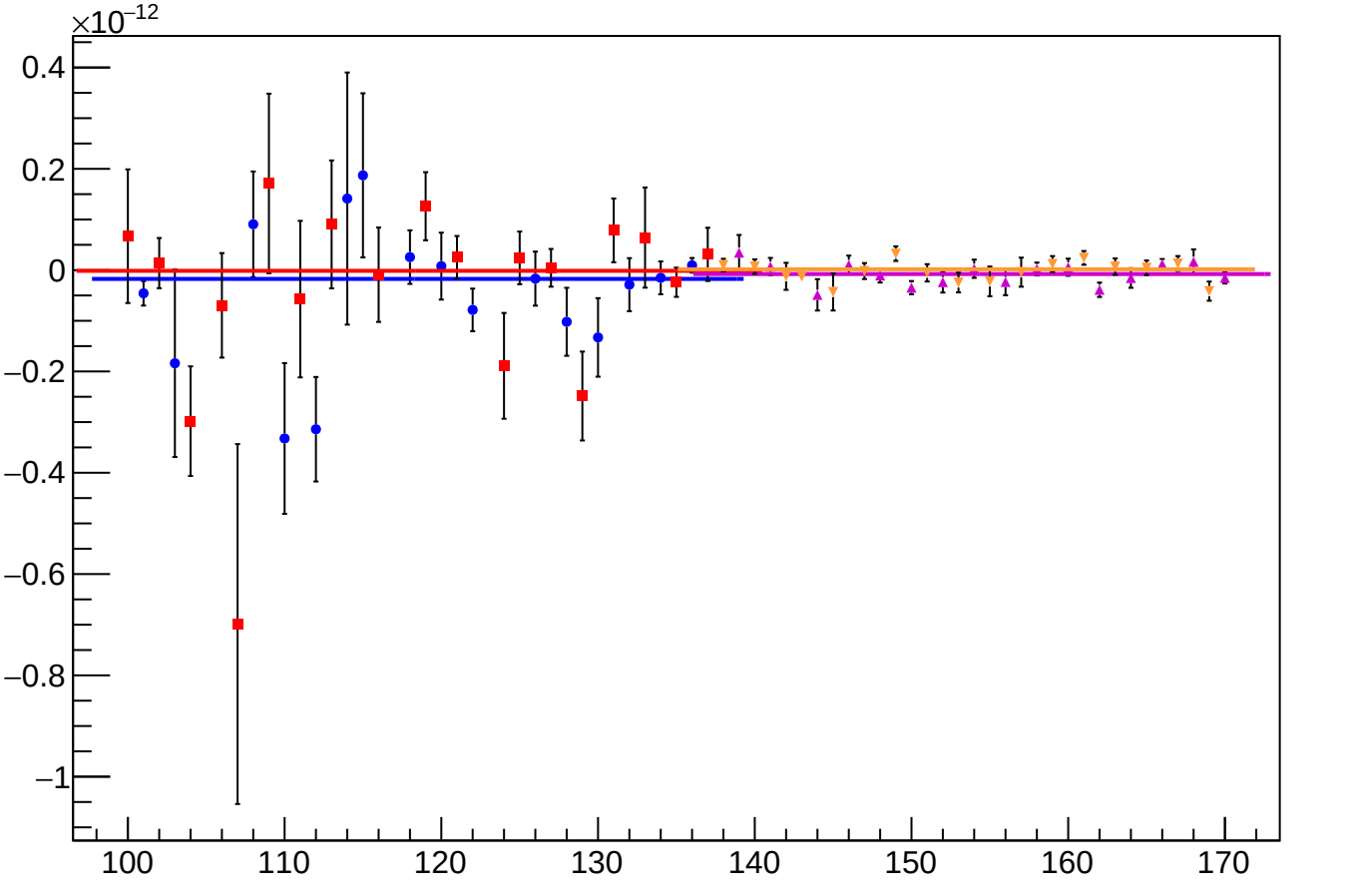
Left: 57.384+/-0.009 χ^2/NDF: 2617593.2/31

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.504+/-0.011 χ^2/NDF:3421437.6/31

Out: 59.608+/-0.011 χ^2/NDF:4913603.6/33

All: 60.572+/-0.008 χ^2/NDF: 8349773.6/65



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.8/15

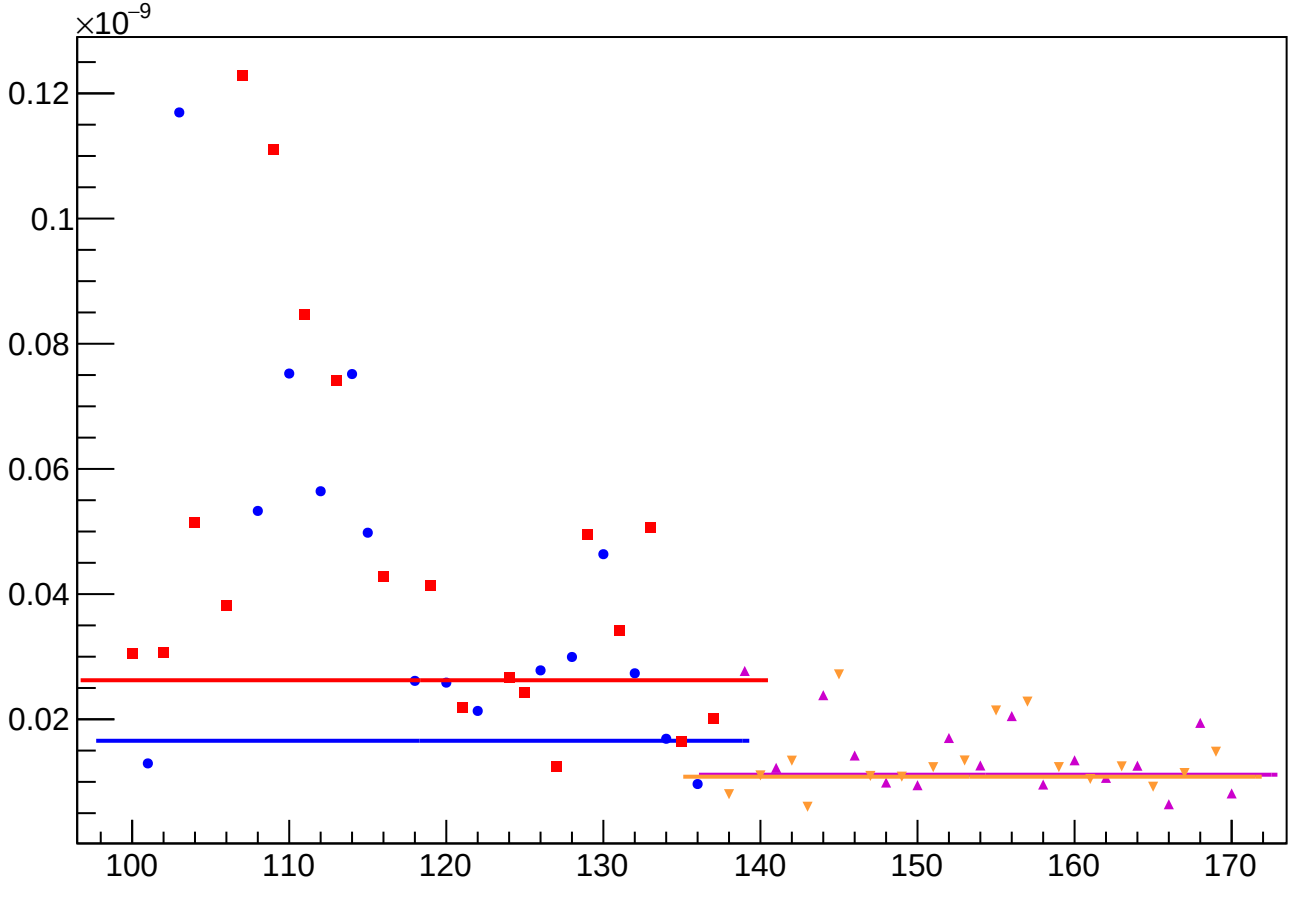
Left: -0.000+/-0.000 χ^2/NDF: 45.8/32

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: 0.000+/-0.000 χ^2/NDF:53.5/35

All: -0.000+/-0.000 χ^2/NDF: 108.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1865916.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2216079.3/15

Left: 0.000+/-0.000 χ^2/NDF: 4088605.0/32

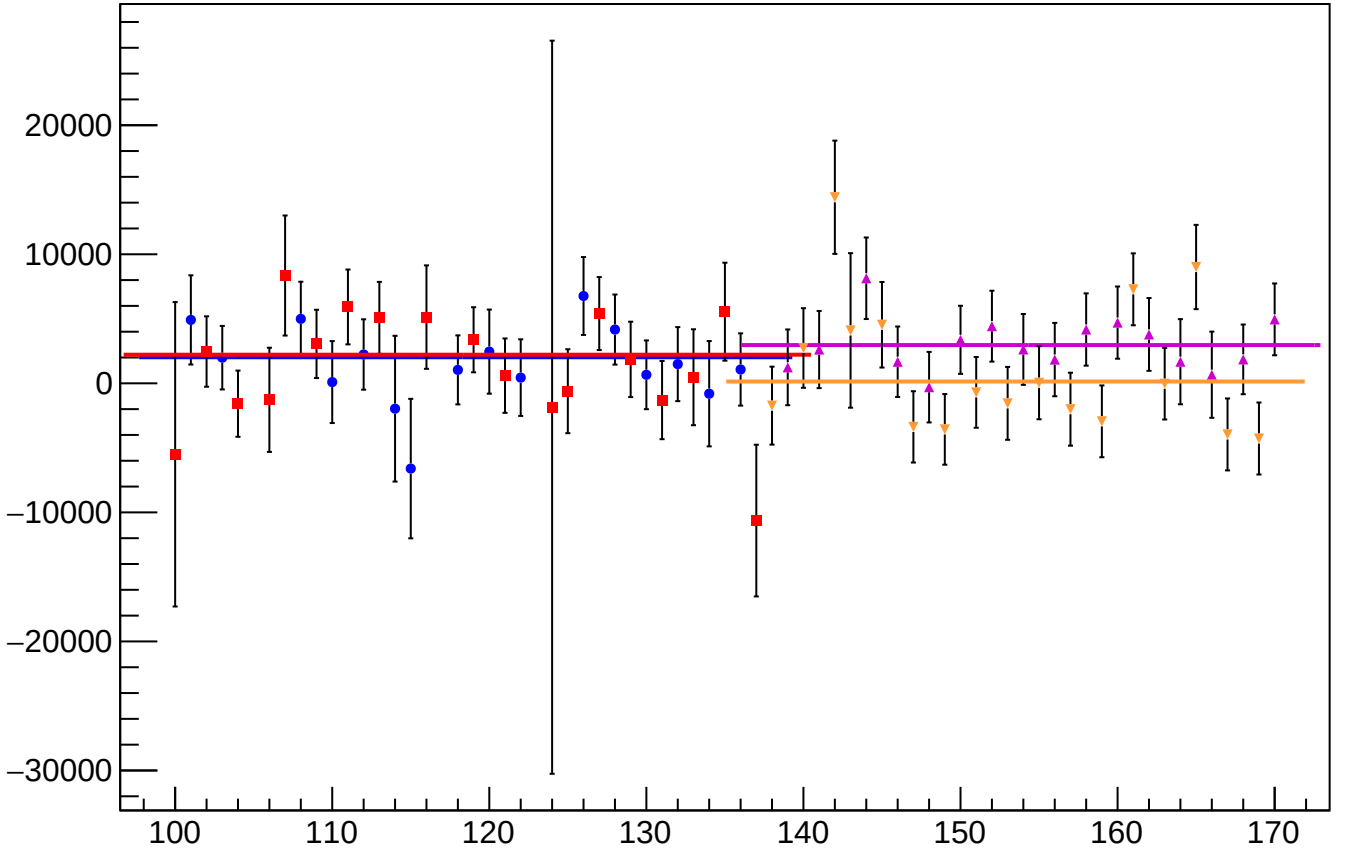
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5547526.8/31

Out: 0.000+/-0.000 χ^2/NDF:6390592.6/35

All: 0.000+/-0.000 χ^2/NDF: 11938155.9/67

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 139.194+/-725.958 χ^2/NDF:38.2/16

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2963.697+/-714.697 χ^2/NDF:7.1/15

Left: 1573.523+/-509.302 χ^2/NDF: 53.1/32

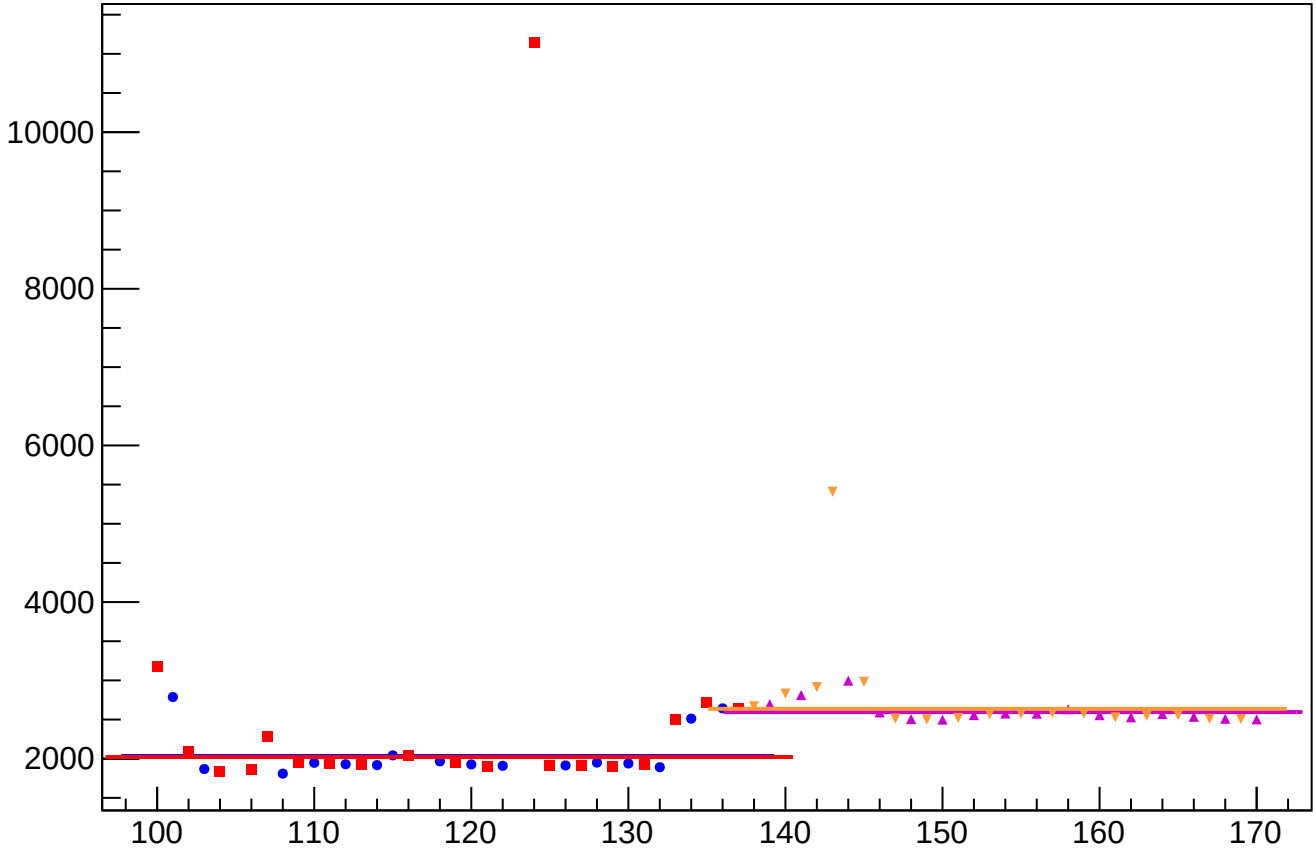
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2524.753+/-522.041 χ^2/NDF:17.6/31

Out: 1135.928+/-523.675 χ^2/NDF:60.3/35

All: 1832.511+/-369.715 χ^2/NDF: 81.4/67

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2637.146+/-0.513 χ^2/NDF:497755.5/16

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

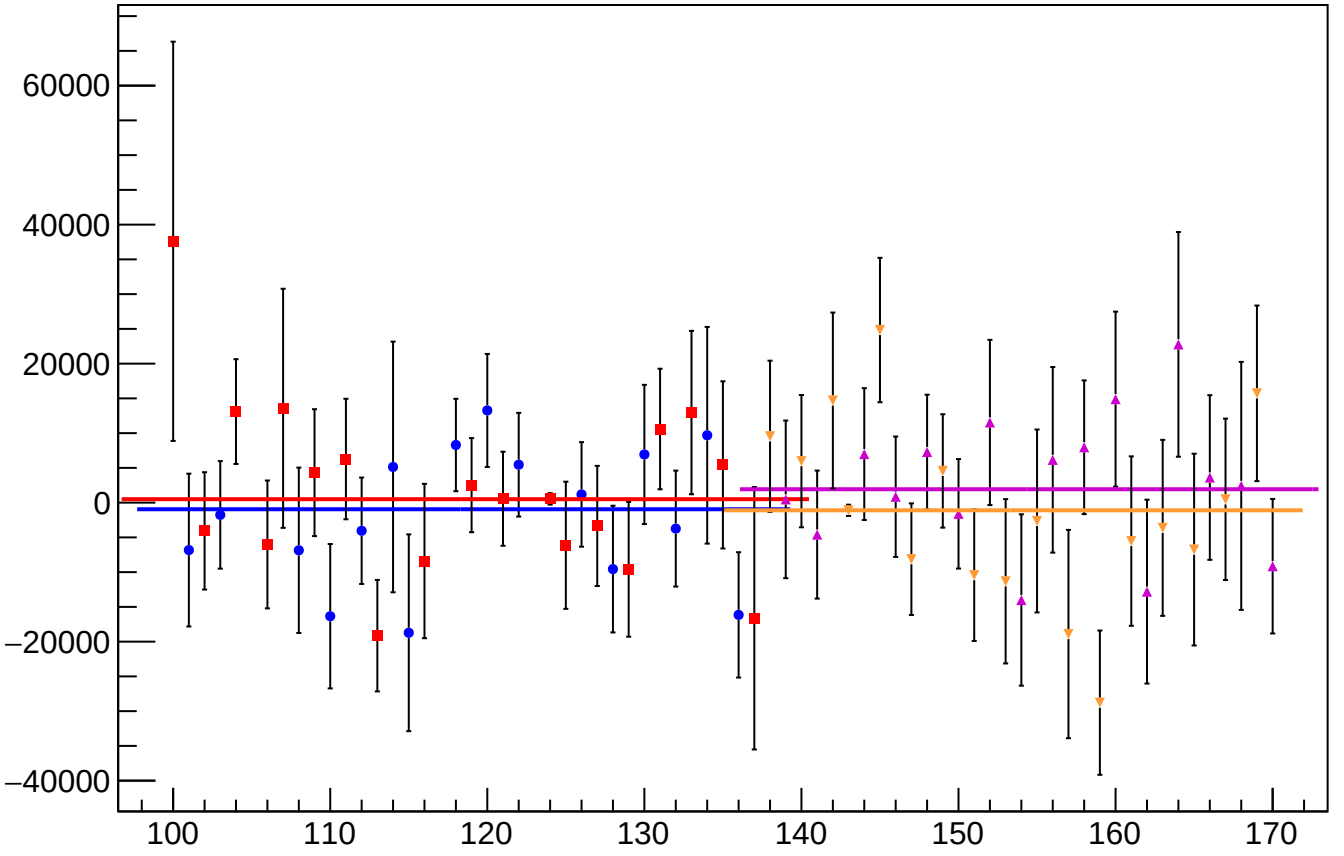
Left: 2616.054+/-0.360 χ^2/NDF: 558462.0/32

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2333.715+/-0.369 χ^2/NDF:896084.9/31

Out: 2341.876+/-0.370 χ^2/NDF:1577880.1/35

All: 2337.783+/-0.261 χ^2/NDF: 2474208.6/67



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1101.493+/-773.776 χ^2/NDF:22.9/16

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1929.109+/-2656.579 χ^2/NDF:9.6/15

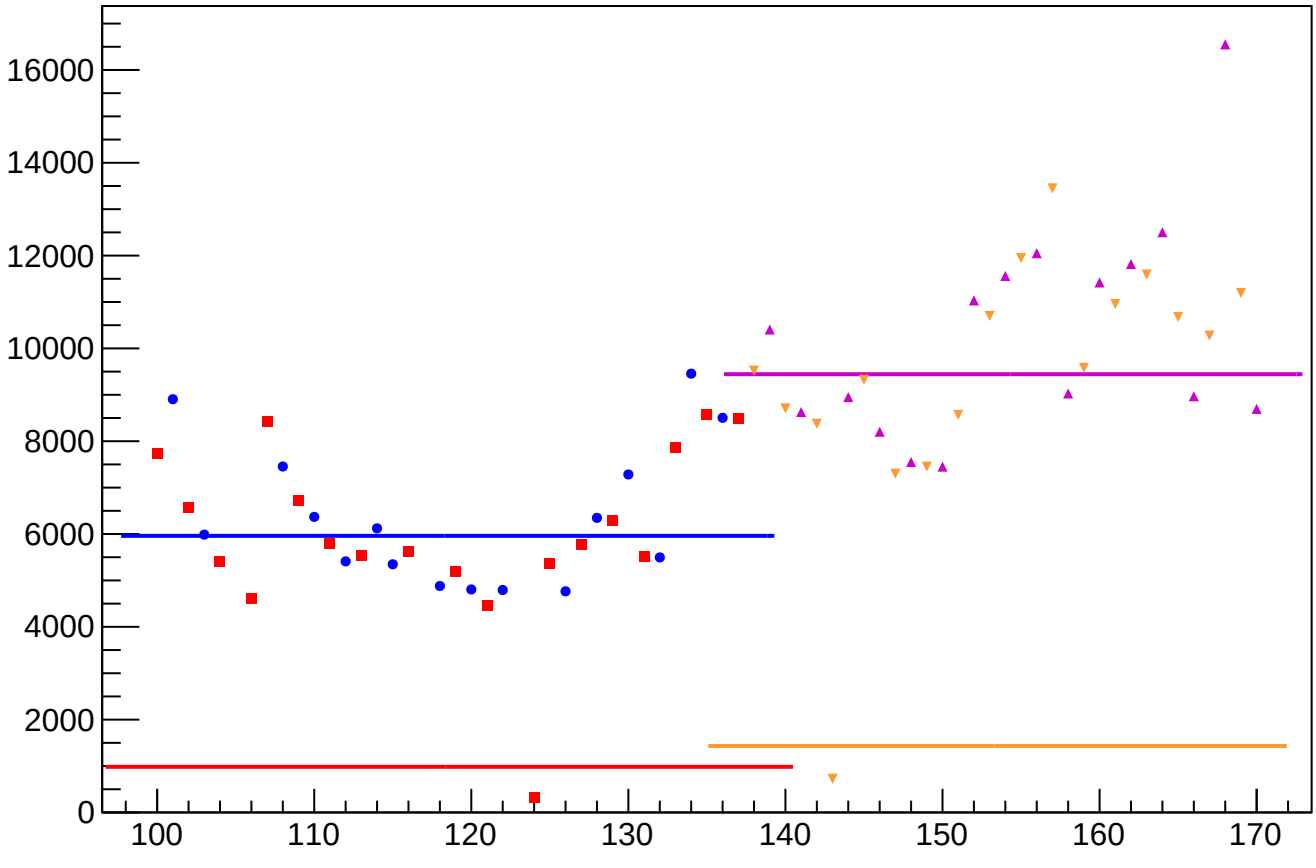
Left: -864.493+/-742.904 χ^2/NDF: 33.7/32

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 269.992+/-1729.519 χ^2/NDF:25.6/31

Out: -296.383+/-545.191 χ^2/NDF:43.5/35

All: -245.190+/-519.969 χ^2/NDF: 69.2/67



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1432.000+/-0.547 χ^2/NDF:19644774.5/16

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9443.889+/-1.878 χ^2/NDF:1002529.5/15

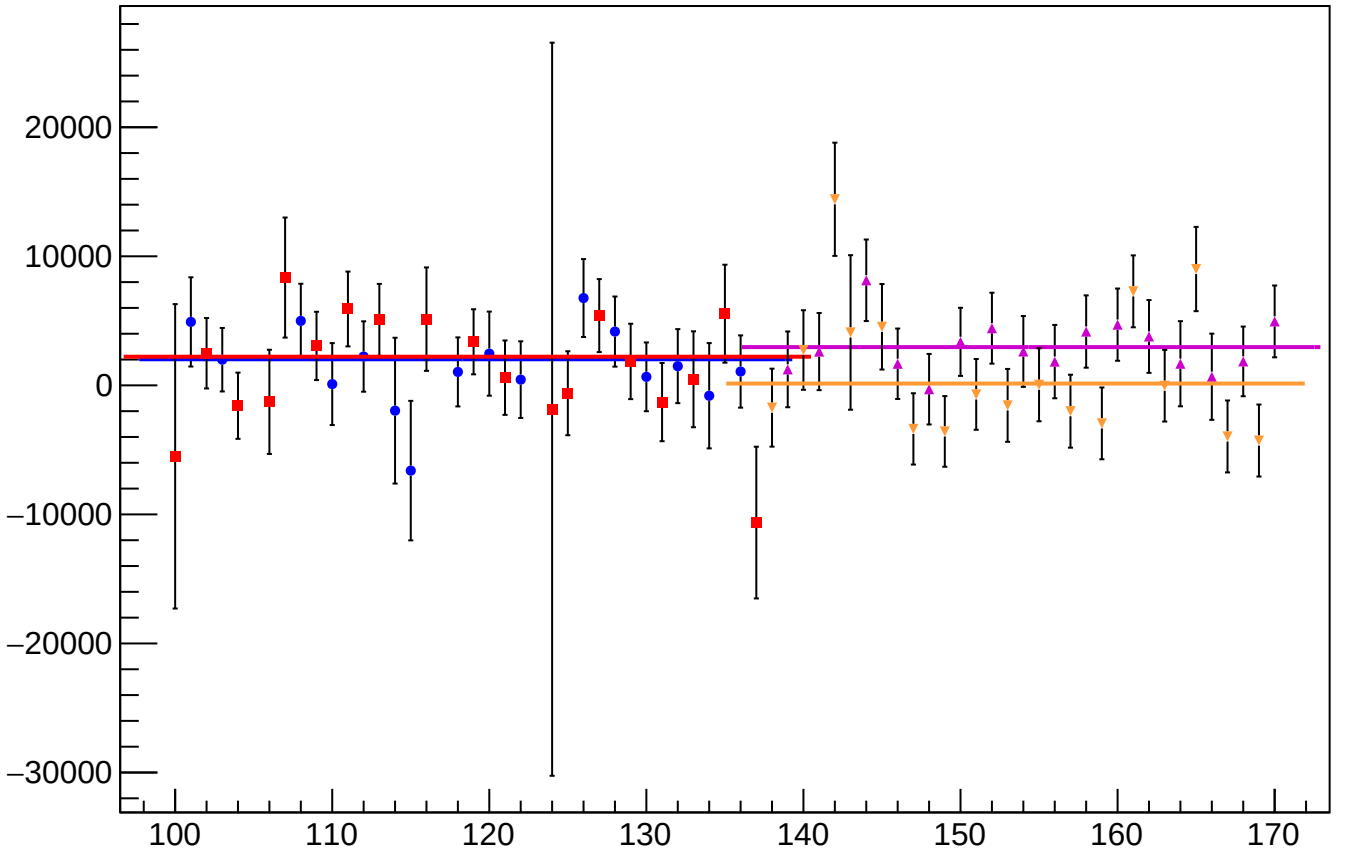
Left: 2058.549+/-0.525 χ^2/NDF: 37415633.2/32

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7437.085+/-1.223 χ^2/NDF:3672656.7/31

Out: 1206.061+/-0.386 χ^2/NDF:31400099.5/35

All: 1769.261+/-0.368 χ^2/NDF: 58685957.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 139.215+/-725.958 χ^2/NDF:38.2/16

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2963.809+/-714.697 χ^2/NDF:7.1/15

Left: 1573.591+/-509.302 χ^2/NDF: 53.1/32

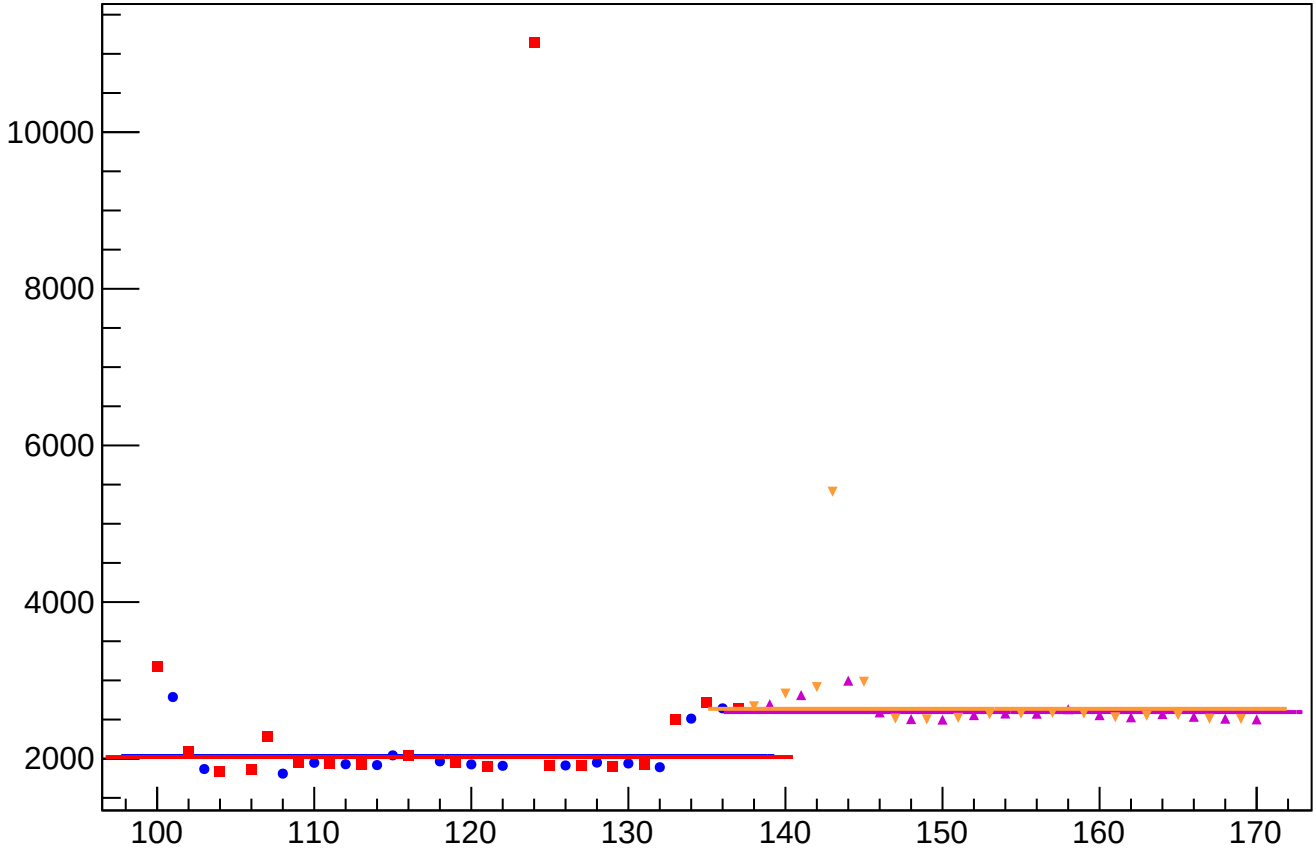
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2524.872+/-522.041 χ^2/NDF:17.6/31

Out: 1136.810+/-523.677 χ^2/NDF:60.3/35

All: 1833.013+/-369.716 χ^2/NDF: 81.4/67

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2637.146+/-0.513 χ^2/NDF:497755.5/16

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

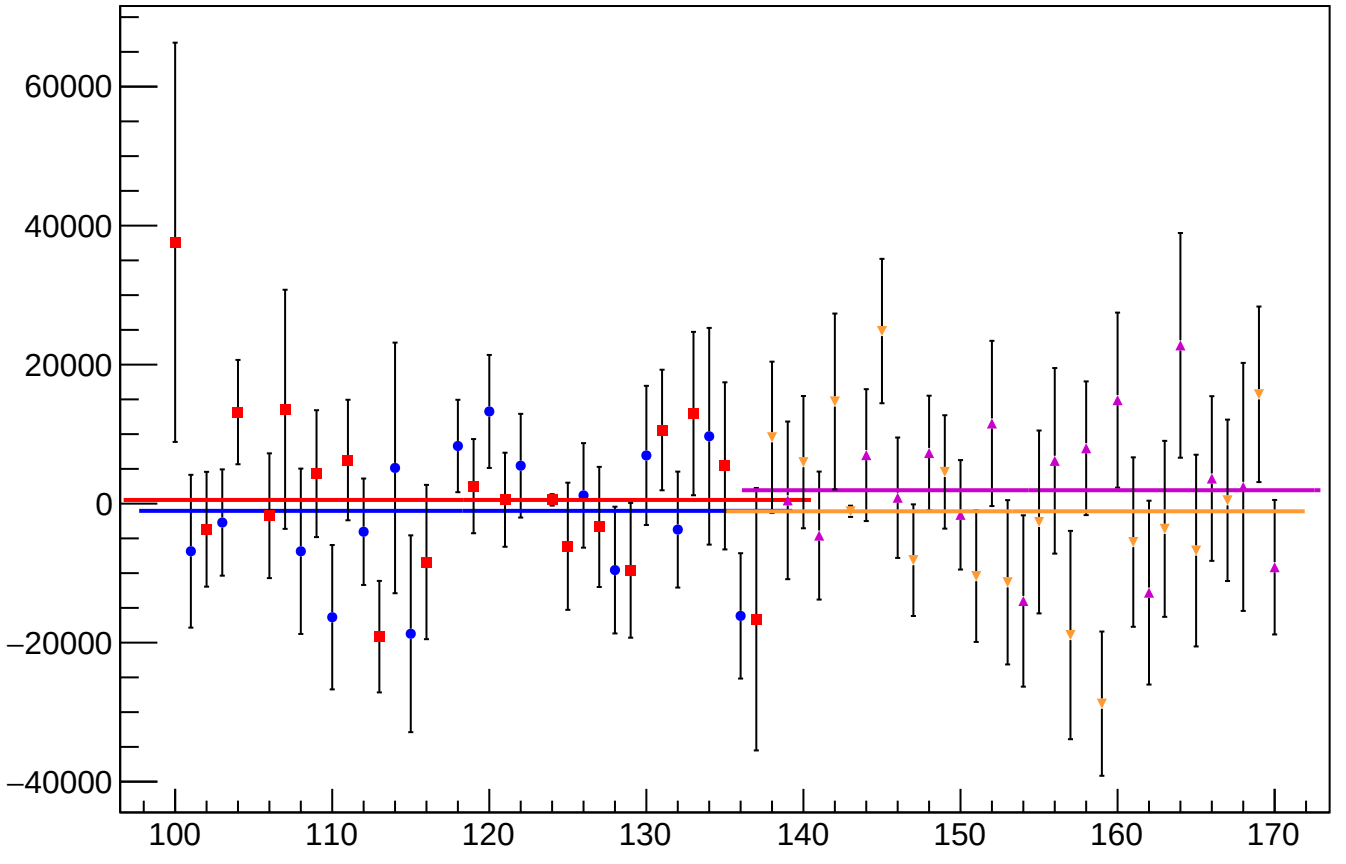
Left: 2616.054+/-0.360 χ^2/NDF: 558462.0/32

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2333.715+/-0.369 χ^2/NDF:896085.1/31

Out: 2341.889+/-0.370 χ^2/NDF:1577836.4/35

All: 2337.789+/-0.261 χ^2/NDF: 2474165.9/67



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1101.258+/-773.707 χ^2/NDF:22.9/16

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1929.250+/-2656.576 χ^2/NDF:9.6/15

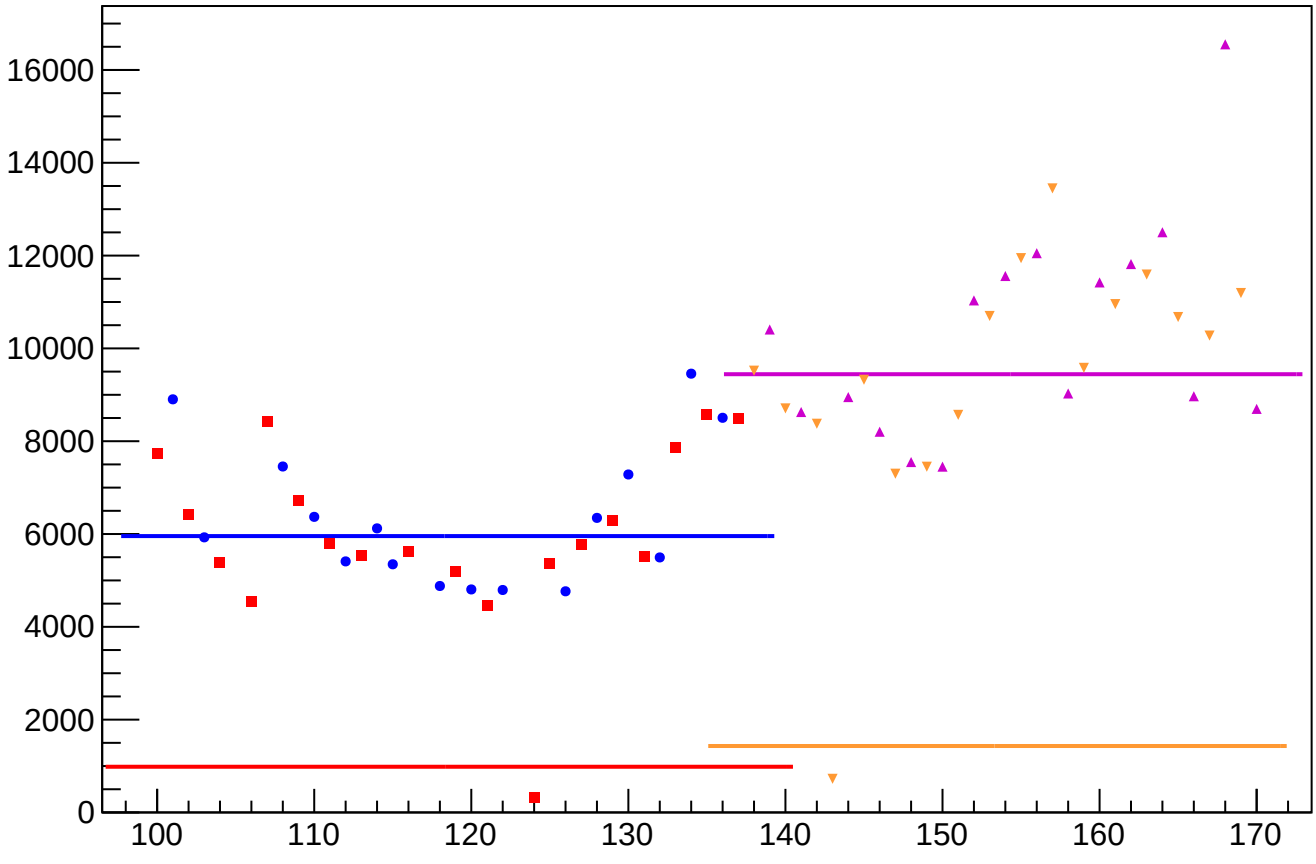
Left: -864.304+/-742.843 χ^2/NDF: 33.7/32

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 218.188+/-1728.490 χ^2/NDF:25.6/31

Out: -279.202+/-545.045 χ^2/NDF:43.2/35

All: -234.217+/-519.814 χ^2/NDF: 68.9/67



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1431.811+/-0.547 χ^2/NDF:19645368.4/16

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

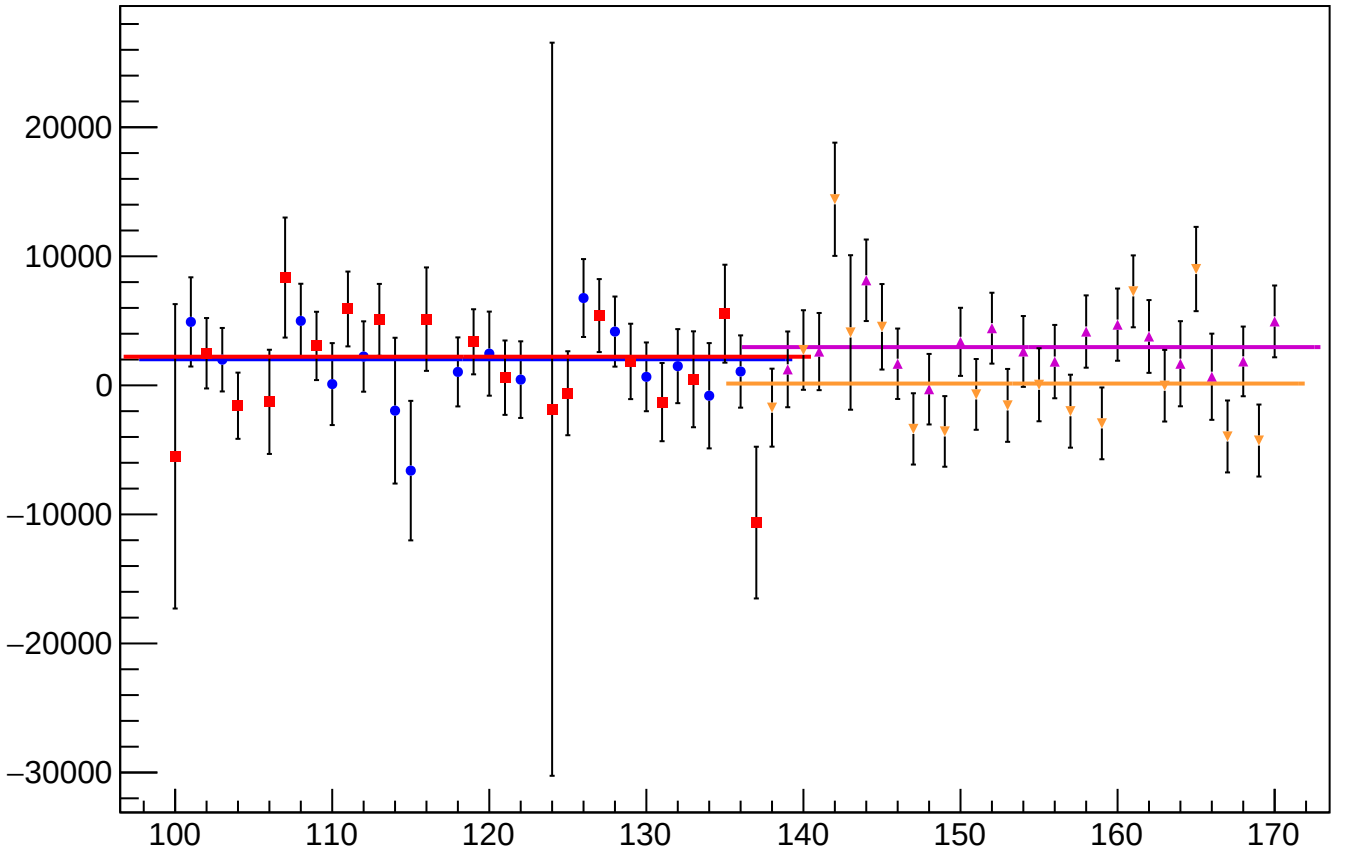
Left: 2058.272+/-0.525 χ^2/NDF: 37417246.3/32

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7432.348+/-1.222 χ^2/NDF:3680143.9/31

Out: 1206.759+/-0.385 χ^2/NDF:31394136.3/35

All: 1769.804+/-0.368 χ^2/NDF: 58673003.9/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 139.215+/-725.958 χ^2/NDF:38.2/16

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2963.809+/-714.697 χ^2/NDF:7.1/15

Left: 1573.591+/-509.302 χ^2/NDF: 53.1/32

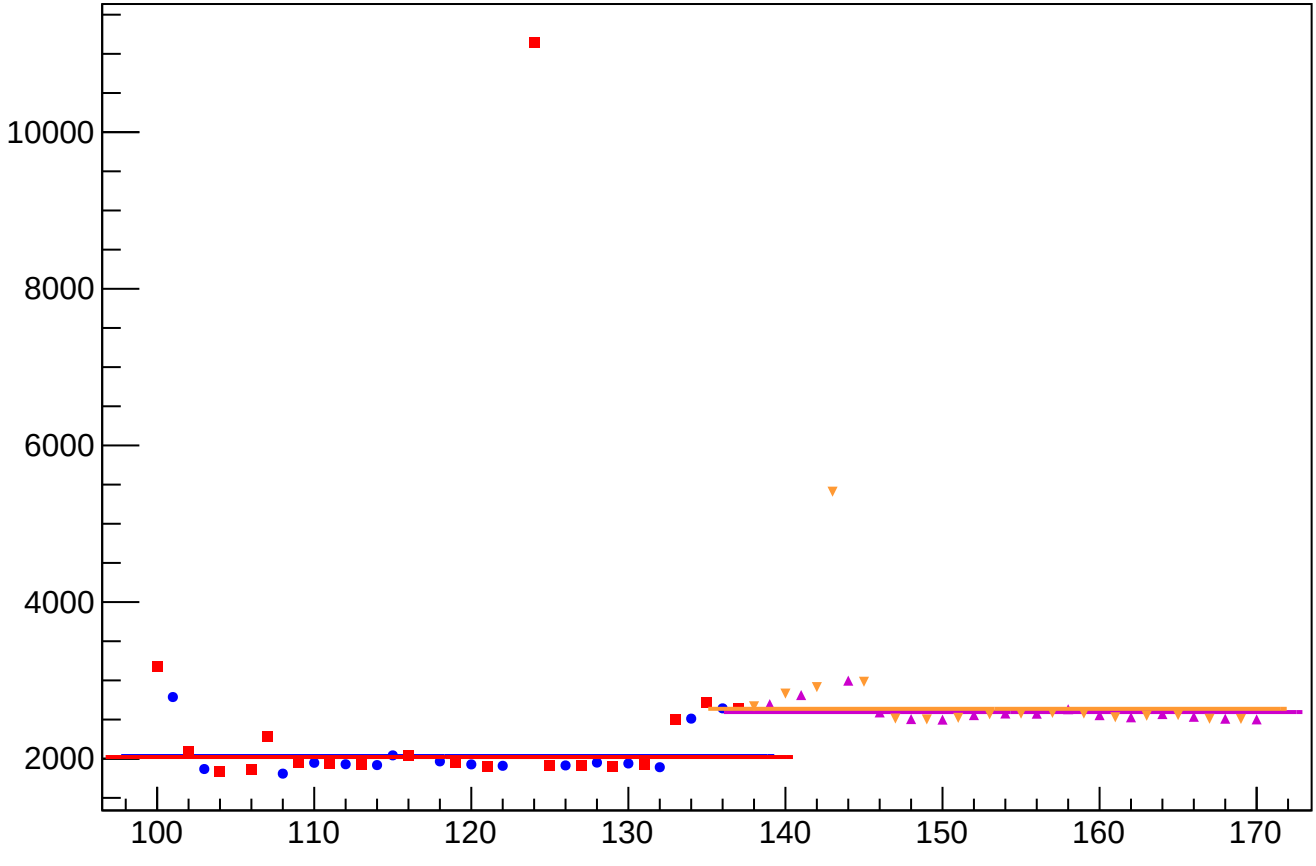
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2524.872+/-522.041 χ^2/NDF:17.6/31

Out: 1136.810+/-523.677 χ^2/NDF:60.3/35

All: 1833.013+/-369.716 χ^2/NDF: 81.4/67

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2637.146+/-0.513 χ^2/NDF:497755.5/16

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

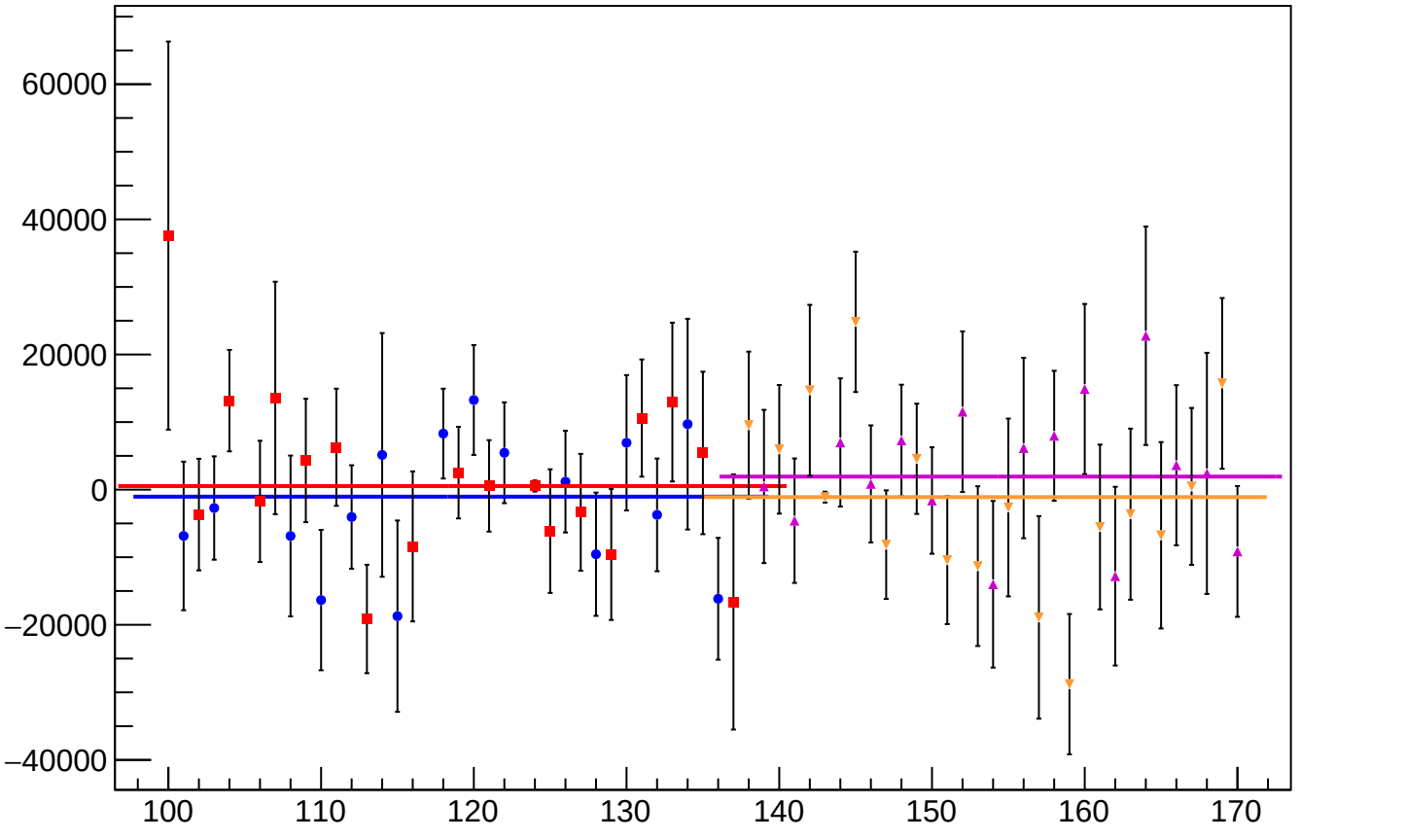
Left: 2616.054+/-0.360 χ^2/NDF: 558462.0/32

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2333.715+/-0.369 χ^2/NDF:896085.1/31

Out: 2341.889+/-0.370 χ^2/NDF:1577836.4/35

All: 2337.789+/-0.261 χ^2/NDF: 2474165.9/67



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1101.258+/-773.707 χ^2/NDF:22.9/16

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1929.250+/-2656.576 χ^2/NDF:9.6/15

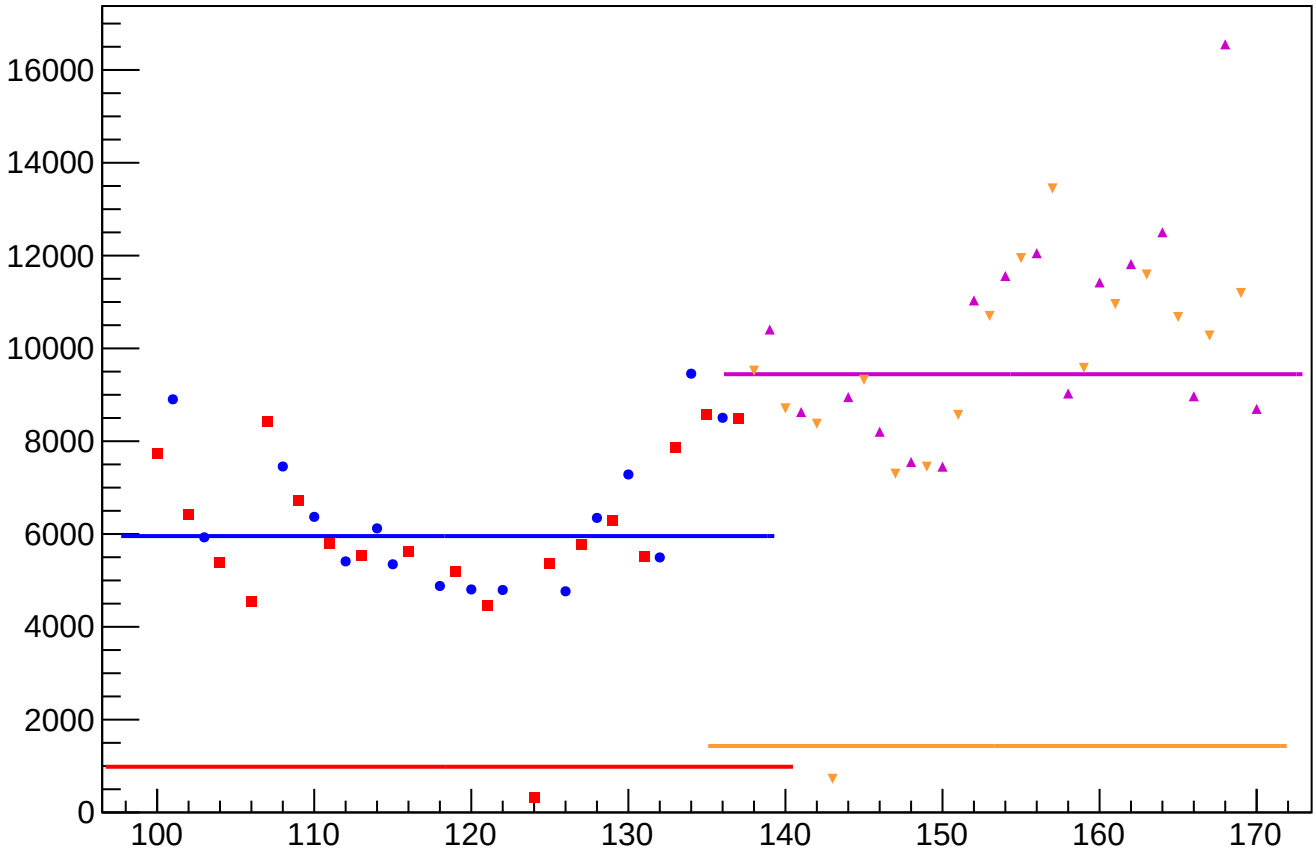
Left: -864.304+/-742.843 χ^2/NDF: 33.7/32

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 218.188+/-1728.490 χ^2/NDF:25.6/31

Out: -279.202+/-545.045 χ^2/NDF:43.2/35

All: -234.217+/-519.814 χ^2/NDF: 68.9/67



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1431.811+/-0.547 χ^2/NDF:19645368.4/16

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

Left: 2058.272+/-0.525 χ^2/NDF: 37417246.3/32

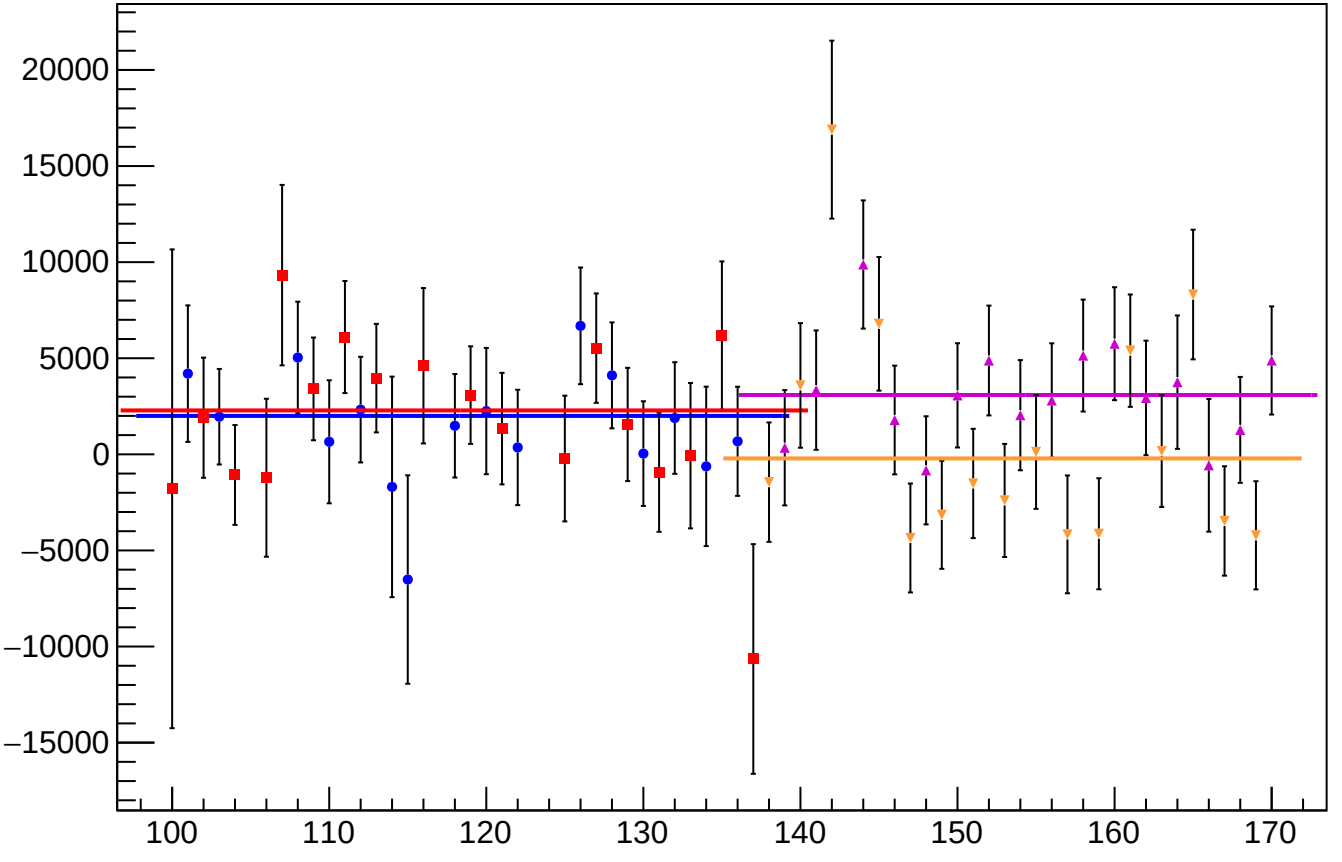
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7432.348+/-1.222 χ^2/NDF:3680143.9/31

Out: 1206.759+/-0.385 χ^2/NDF:31394136.3/35

All: 1769.804+/-0.368 χ^2/NDF: 58673003.9/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -211.206+/-759.833 χ^2/NDF:40.2/15

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3088.172+/-741.114 χ^2/NDF:11.0/15

Left: 1479.624+/-530.541 χ^2/NDF: 60.8/31

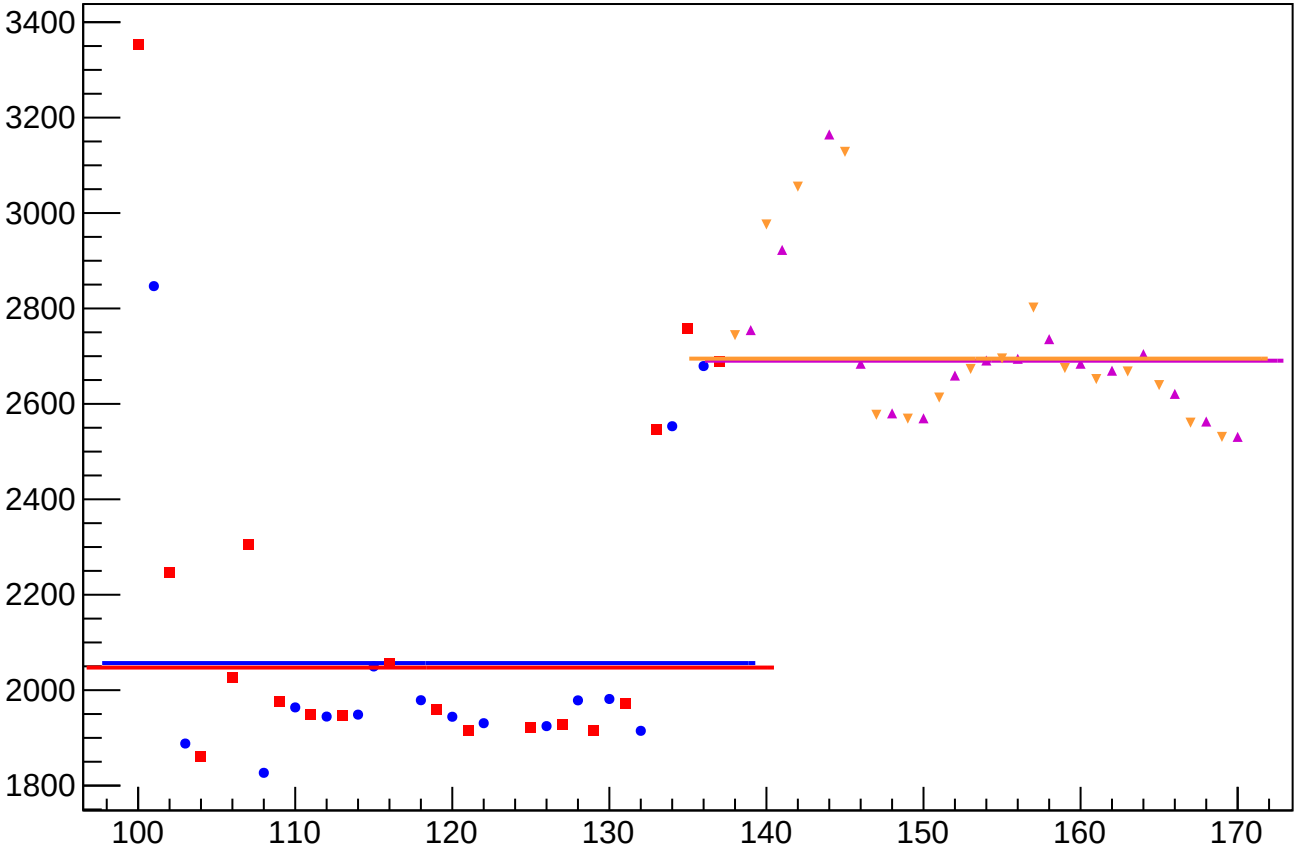
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2566.993+/-535.142 χ^2/NDF:21.0/31

Out: 1018.648+/-541.291 χ^2/NDF:62.1/33

All: 1801.665+/-380.558 χ^2/NDF: 87.3/65

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2694.855+/-0.537 χ^2/NDF:82876.7/15

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2690.520+/-0.524 χ^2/NDF:71936.9/15

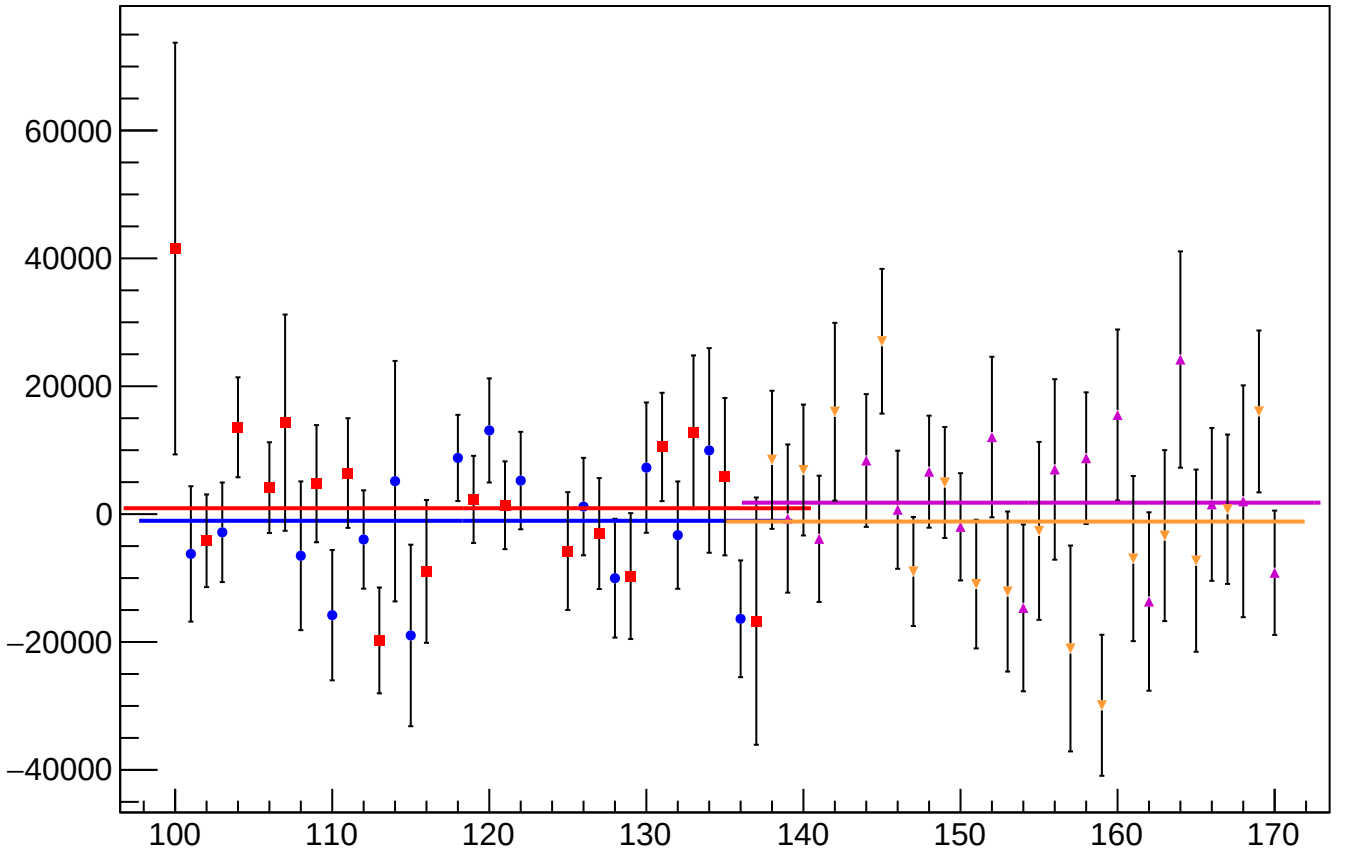
Left: 2692.633+/-0.375 χ^2/NDF: 154846.9/31

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2387.217+/-0.378 χ^2/NDF:1042291.7/31

Out: 2375.487+/-0.382 χ^2/NDF:995700.4/33

All: 2381.415+/-0.269 χ^2/NDF: 2038467.4/65



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1159.777+/-2866.186 χ^2/NDF:22.8/15

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1790.455+/-2800.796 χ^2/NDF:9.5/15

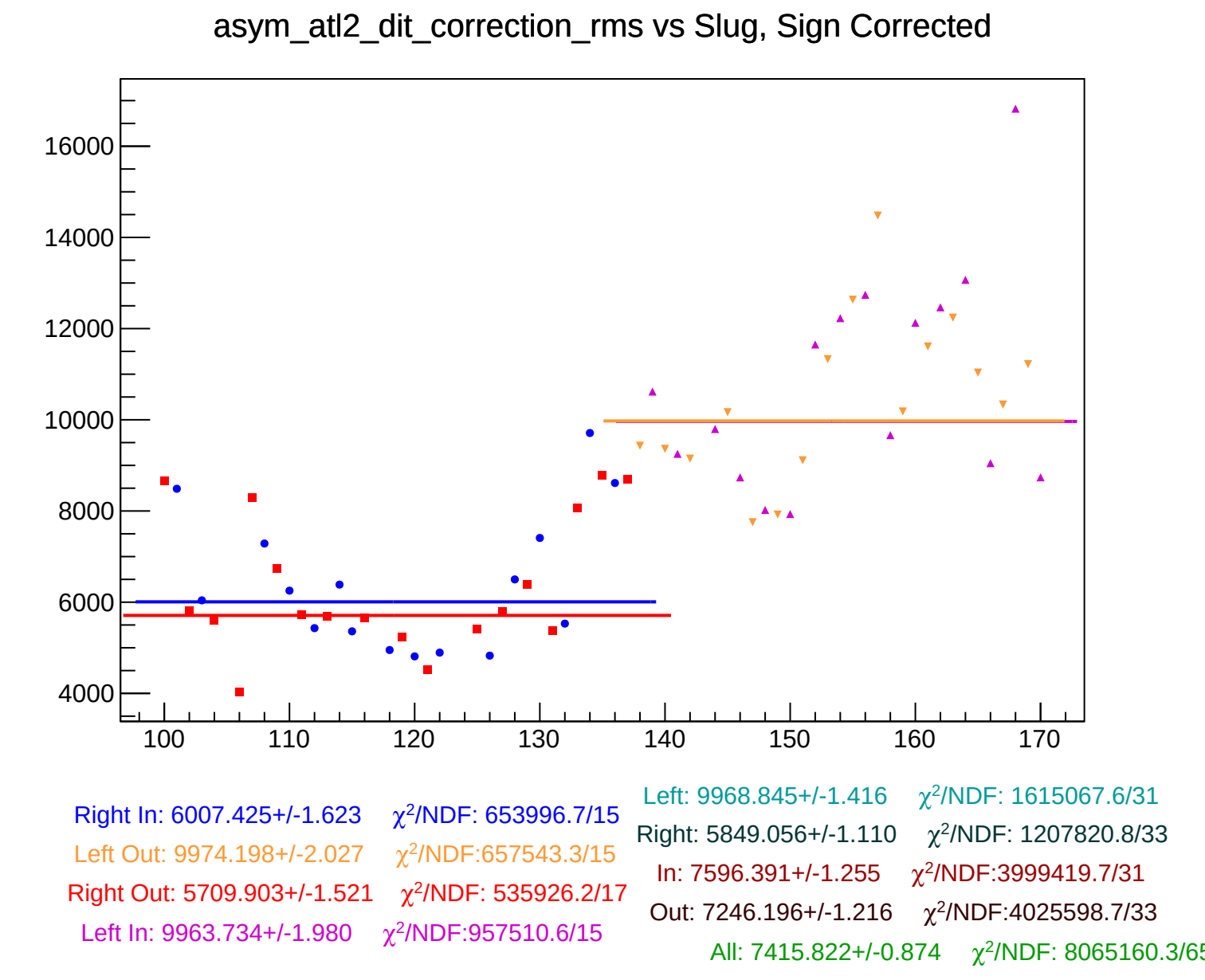
Left: 349.377+/-2003.181 χ^2/NDF: 32.8/31

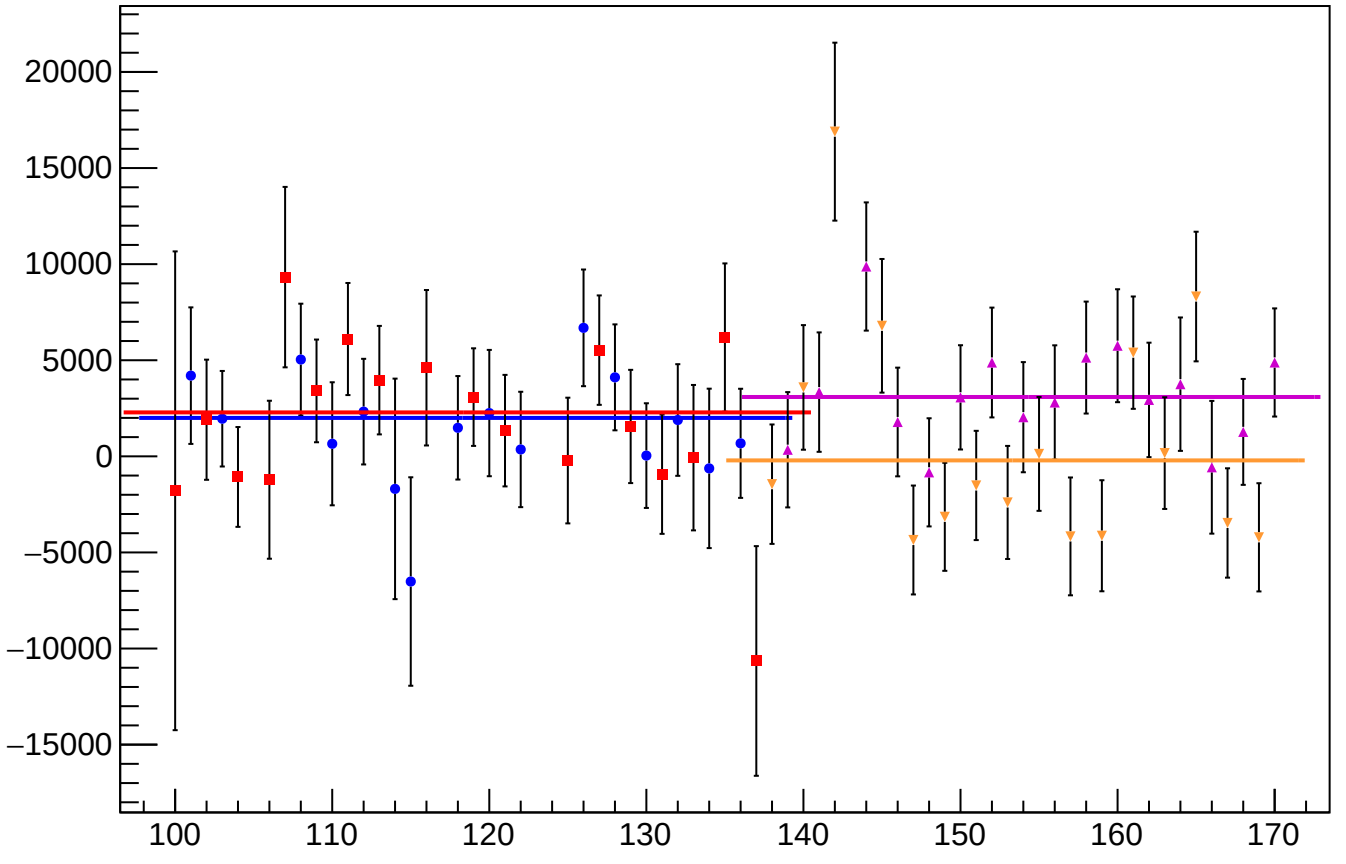
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 95.287+/-1774.981 χ^2/NDF:25.4/31

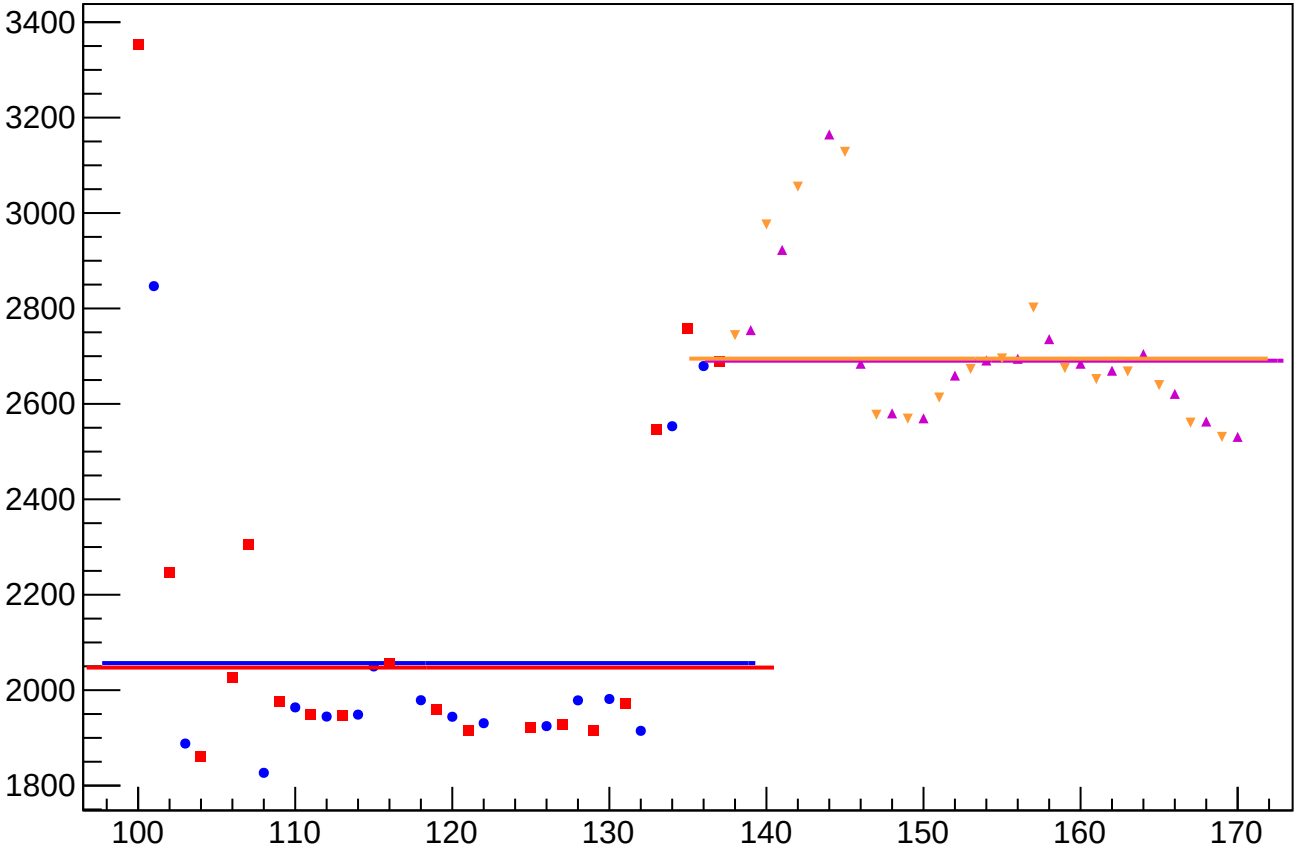
Out: 170.505+/-1720.354 χ^2/NDF:41.5/33

All: 134.071+/-1235.335 χ^2/NDF: 66.9/65


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9974.198+/-2.027 χ²/NDF:657543.3/15
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9963.734+/-1.980 χ²/NDF:957510.6/15
Left: 9968.845+/-1.416 χ²/NDF: 1615067.6/31
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7596.391+/-1.255 χ²/NDF:3999419.7/31
Out: 7246.196+/-1.216 χ²/NDF:4025598.7/33
All: 7415.822+/-0.874 χ²/NDF: 8065160.3/65


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -211.217+/-759.834 χ²/NDF:40.2/15
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3088.174+/-741.115 χ²/NDF:11.0/15
Left: 1479.620+/-530.542 χ²/NDF: 60.8/31
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2566.996+/-535.143 χ²/NDF:21.0/31
Out: 1018.646+/-541.291 χ²/NDF:62.1/33
All: 1801.665+/-380.558 χ²/NDF: 87.3/65

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2694.858+/-0.537 χ^2/NDF:82878.3/15

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2690.522+/-0.524 χ^2/NDF:71937.8/15

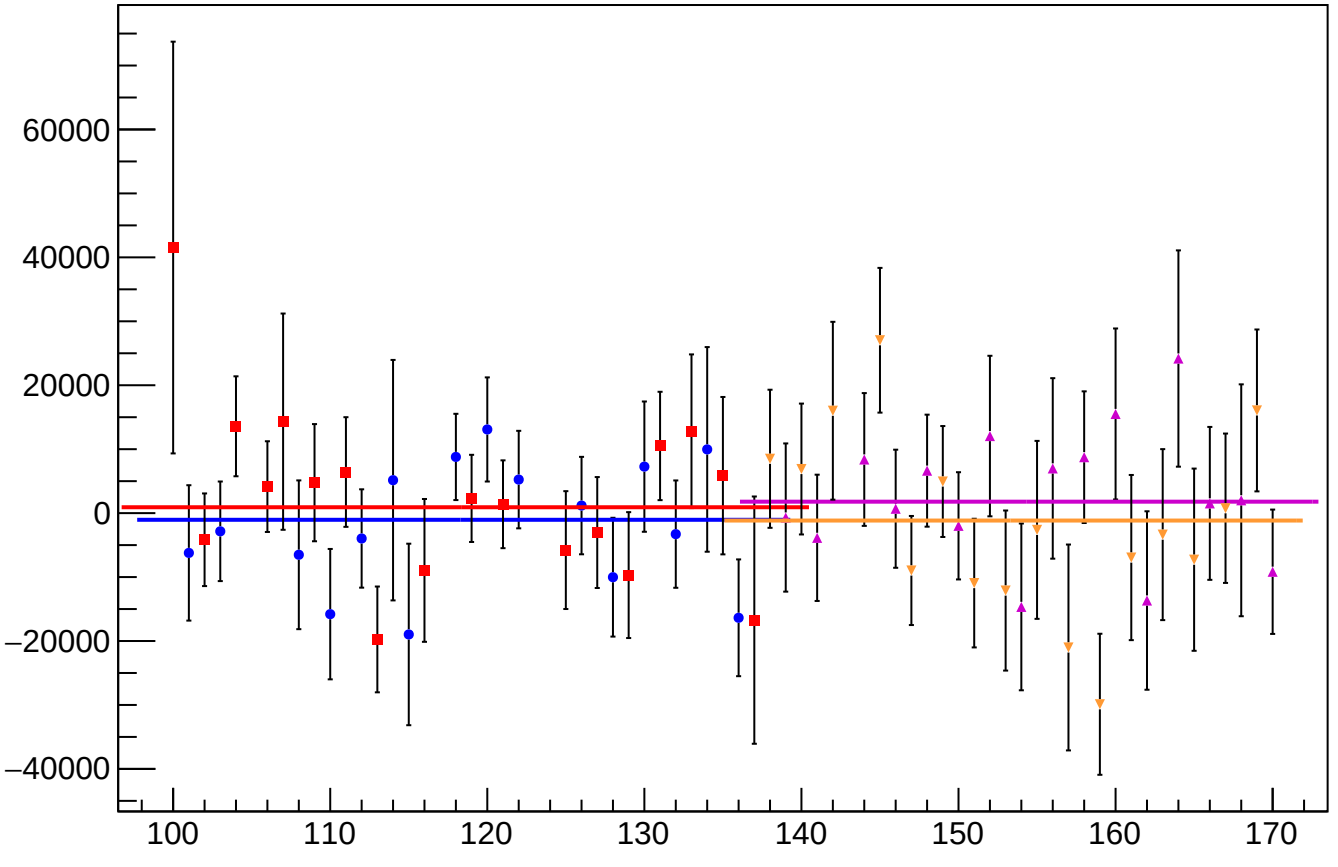
Left: 2692.636+/-0.375 χ^2/NDF: 154849.4/31

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2387.218+/-0.378 χ^2/NDF:1042297.4/31

Out: 2375.488+/-0.382 χ^2/NDF:995707.8/33

All: 2381.416+/-0.269 χ^2/NDF: 2038480.5/65



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1159.786+/-2866.190 χ^2/NDF:22.8/15

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1790.454+/-2800.799 χ^2/NDF:9.5/15

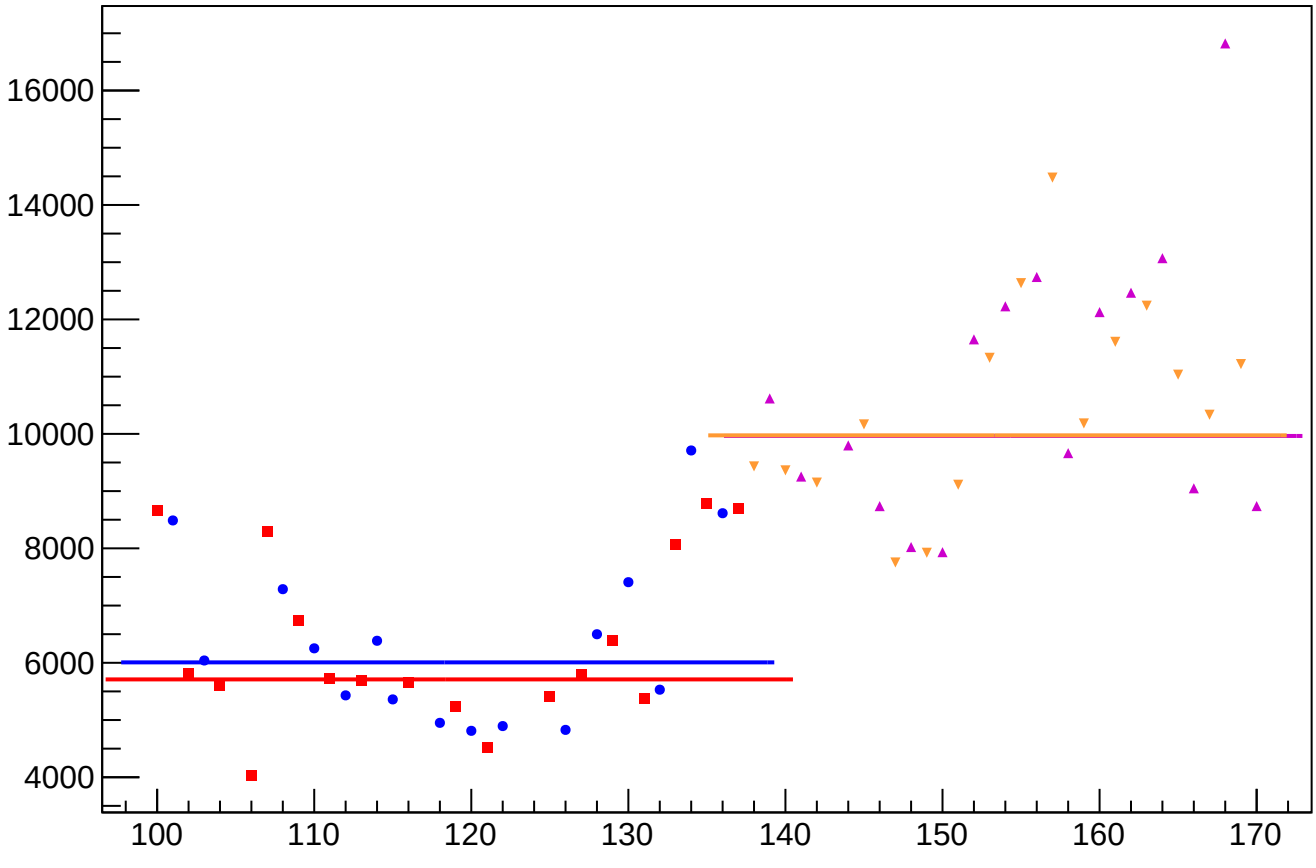
Left: 349.372+/-2003.183 χ^2/NDF: 32.8/31

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 95.288+/-1774.979 χ^2/NDF:25.4/31

Out: 170.509+/-1720.352 χ^2/NDF:41.5/33

All: 134.073+/-1235.333 χ^2/NDF: 66.9/65



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9974.211+/-2.027 χ^2/NDF:657546.2/15

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9963.745+/-1.980 χ^2/NDF:957514.3/15

Left: 9968.857+/-1.416 χ^2/NDF: 1615074.1/31

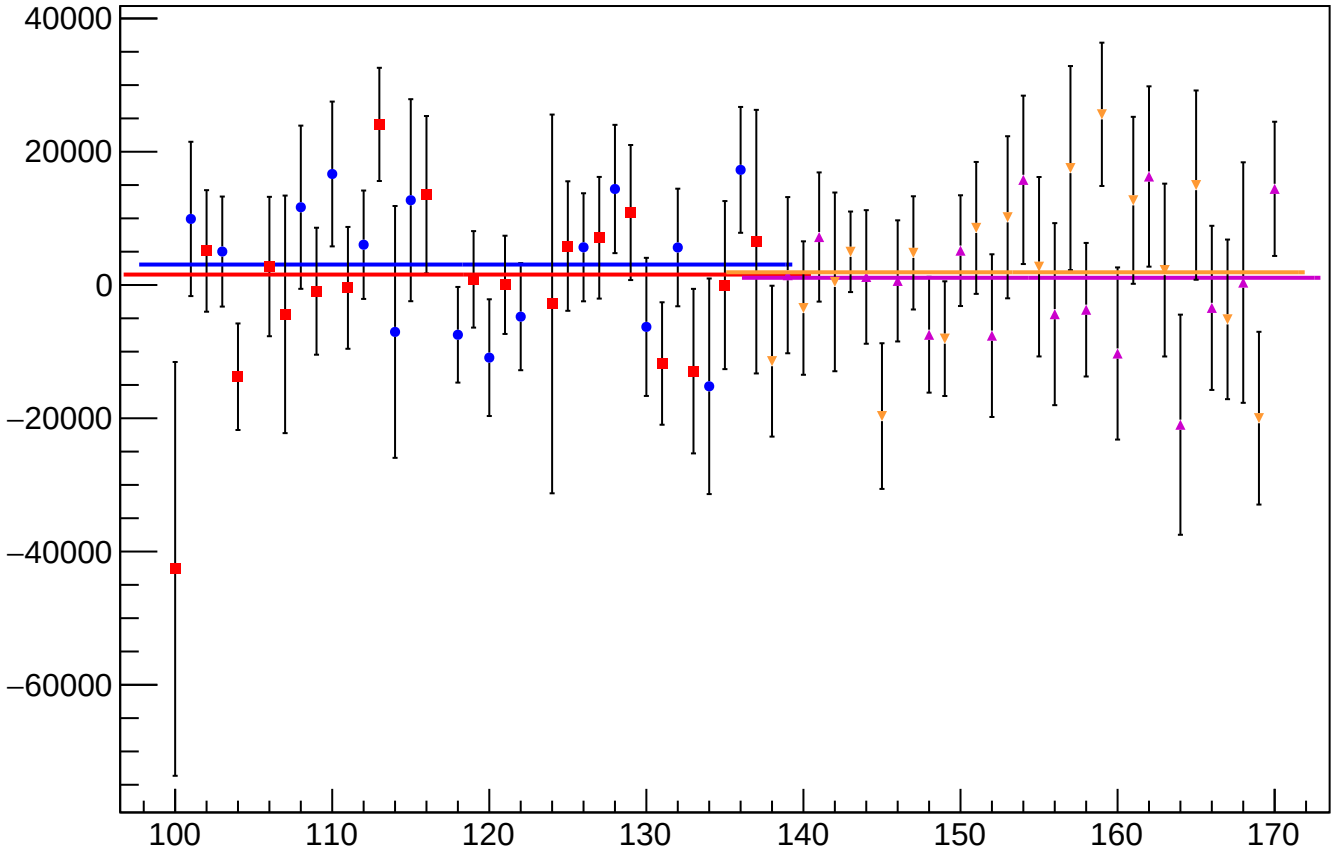
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7596.376+/-1.255 χ^2/NDF:3999471.8/31

Out: 7246.181+/-1.216 χ^2/NDF:4025646.2/33

All: 7415.807+/-0.874 χ^2/NDF: 8065259.8/65

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1909.312+/-2564.802 χ^2/NDF:18.9/16

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1082.592+/-2766.859 χ^2/NDF:9.6/15

Left: 1527.238+/-1880.969 χ^2/NDF: 28.5/32

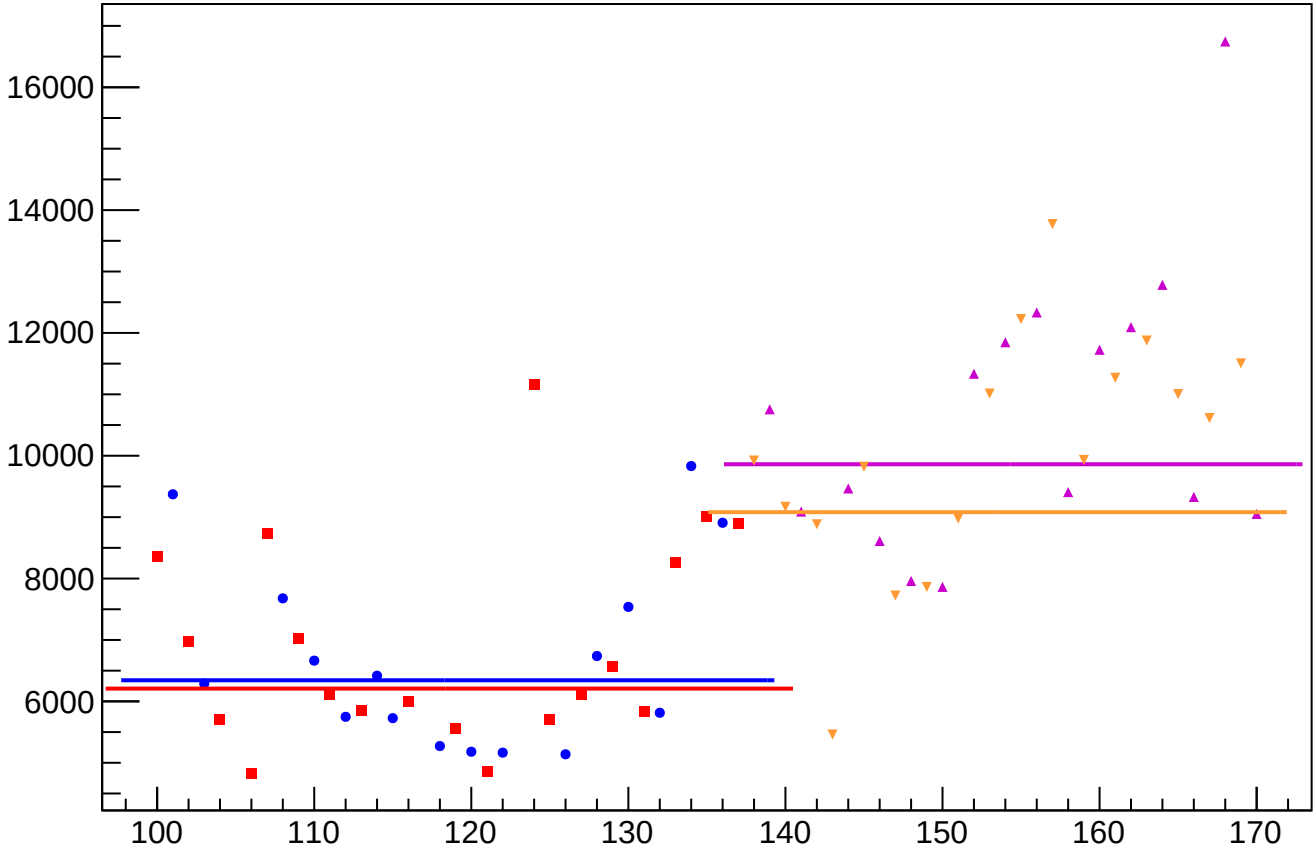
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2208.483+/-1821.870 χ^2/NDF:24.7/31

Out: 1722.249+/-1726.990 χ^2/NDF:38.1/35

All: 1952.376+/-1253.367 χ^2/NDF: 62.9/67

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9081.515+/-1.814 χ^2/NDF:1482947.1/16

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9861.516+/-1.956 χ^2/NDF:890847.4/15

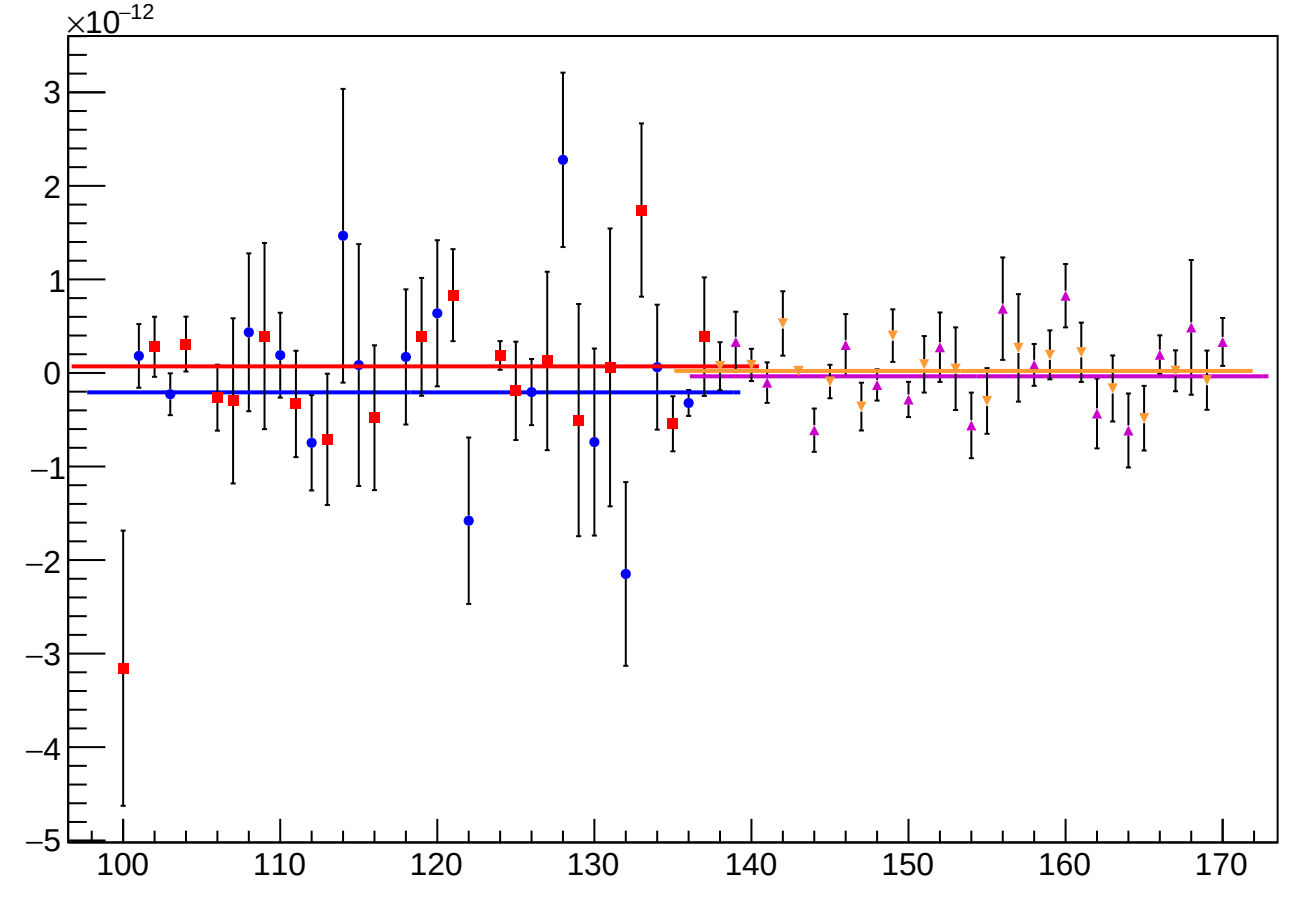
Left: 9441.998+/-1.330 χ^2/NDF: 2459281.9/32

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7868.976+/-1.288 χ^2/NDF:3343238.6/31

Out: 7510.874+/-1.221 χ^2/NDF:3326925.5/35

All: 7680.358+/-0.886 χ^2/NDF: 6710863.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:29.2/15

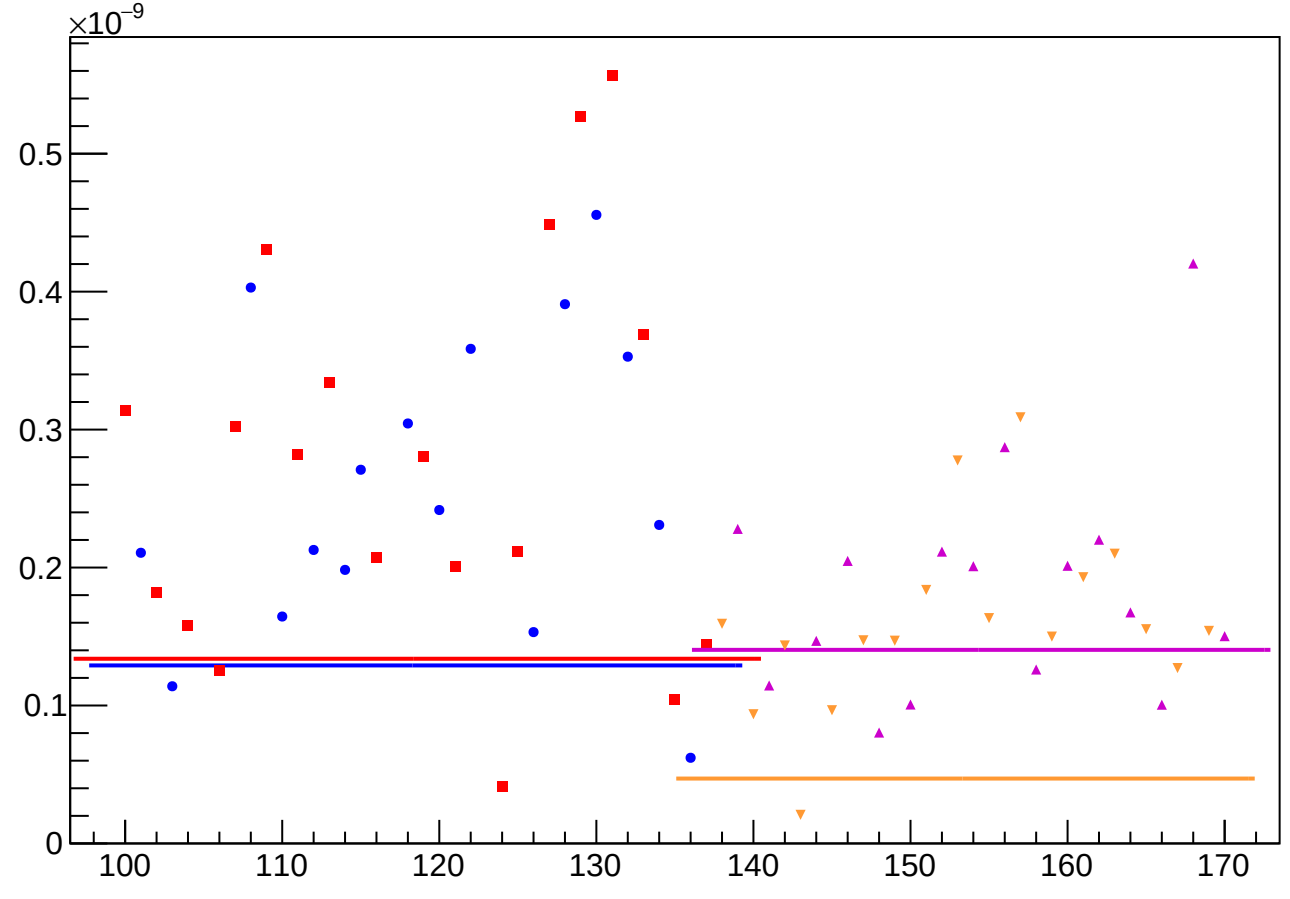
Left: 0.000+/-0.000 χ^2/NDF: 41.1/32

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:52.3/31

Out: 0.000+/-0.000 χ^2/NDF:32.3/35

All: -0.000+/-0.000 χ^2/NDF: 88.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5937462.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1431242.4/15

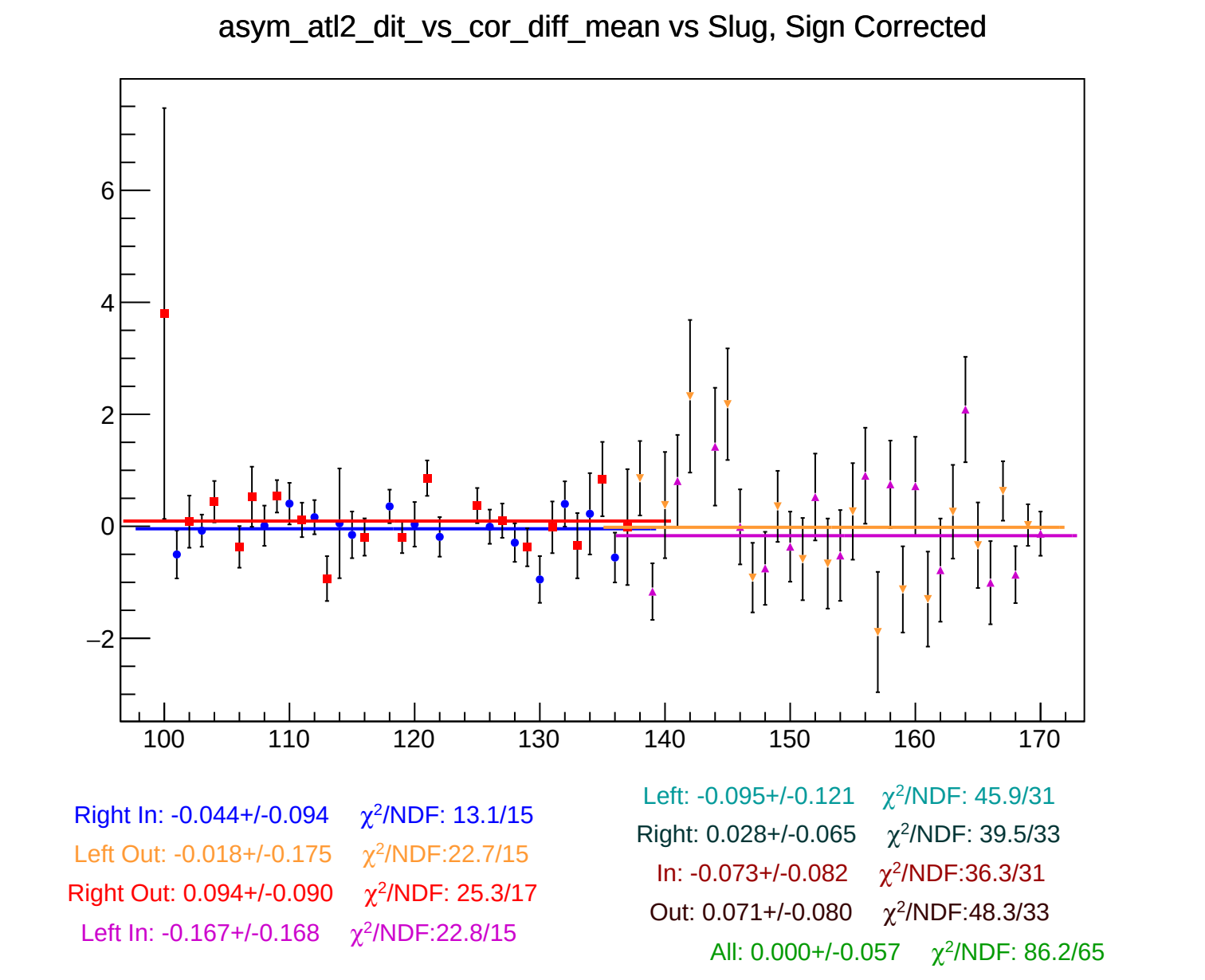
Left: 0.000+/-0.000 χ^2/NDF: 10562577.2/32

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3170403.1/31

Out: 0.000+/-0.000 χ^2/NDF:9726787.7/35

All: 0.000+/-0.000 χ^2/NDF: 16280860.1/67


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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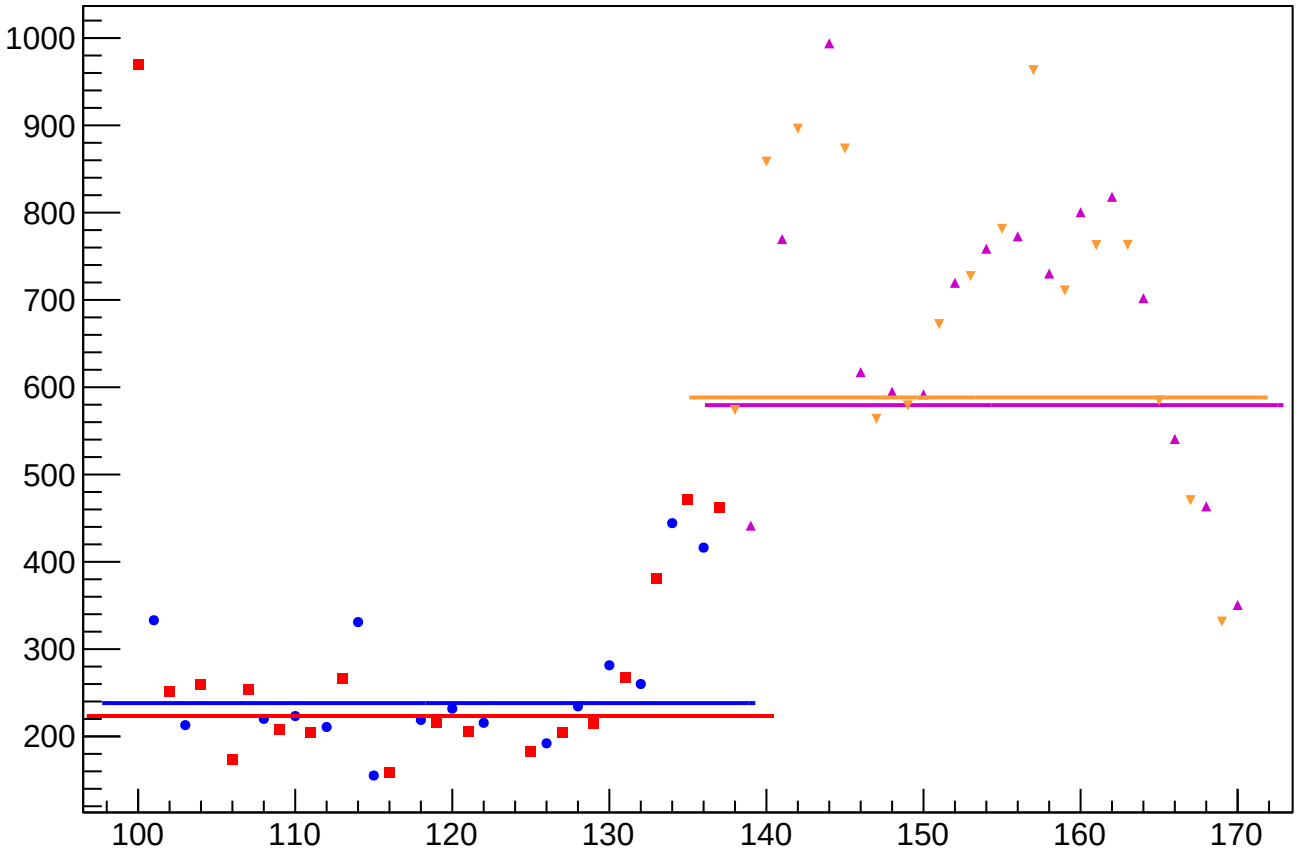
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.018+/-0.175 χ²/NDF:22.7/15
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.095+/-0.121 χ²/NDF: 45.9/31
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.071+/-0.080 χ²/NDF:48.3/33
All: 0.000+/-0.057 χ²/NDF: 86.2/65



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.279+/-0.124 χ^2/NDF:2140753.8/15

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 579.495+/-0.119 χ^2/NDF:1990028.4/15

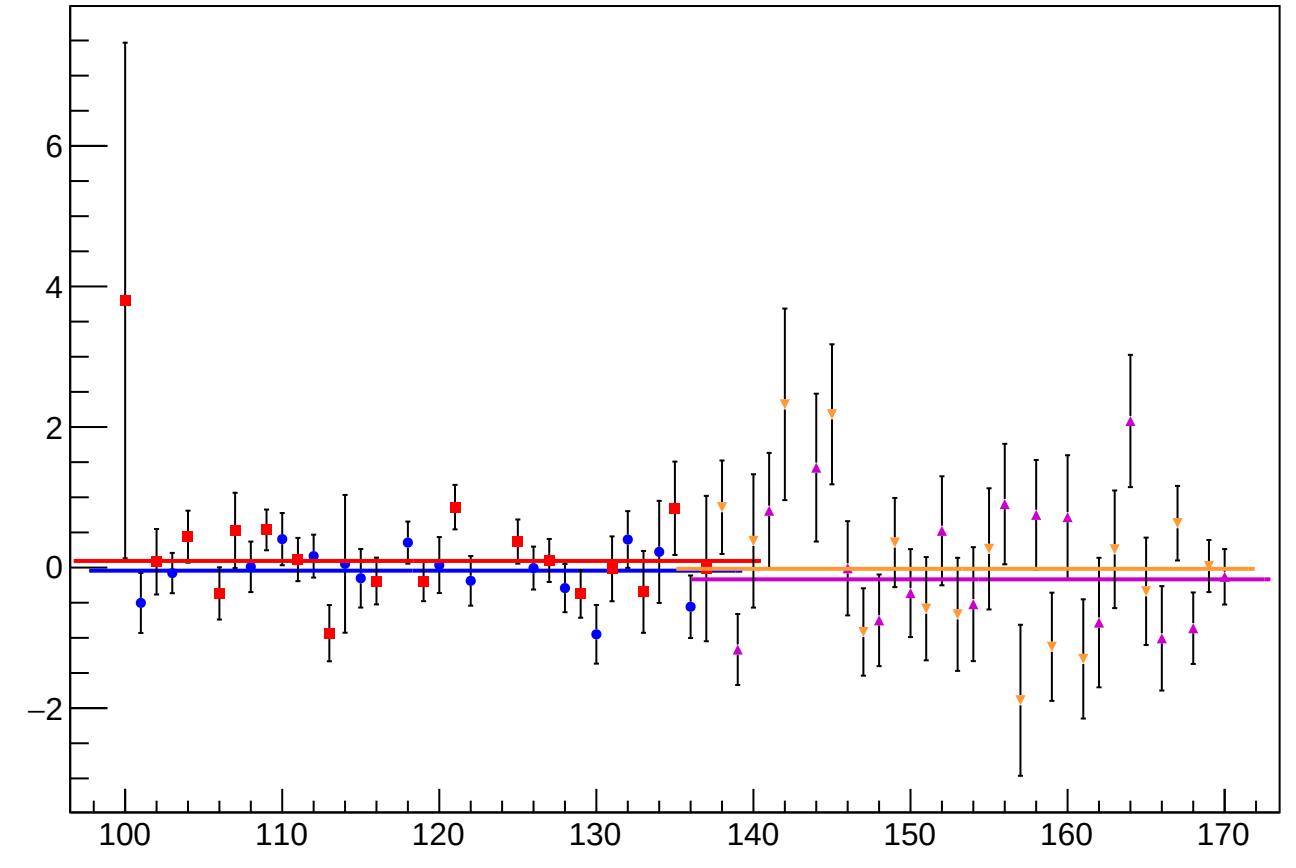
Left: 583.714+/-0.086 χ^2/NDF: 4133399.0/31

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 319.064+/-0.058 χ^2/NDF:9074217.1/31

Out: 299.714+/-0.057 χ^2/NDF:9874649.8/33

All: 309.166+/-0.040 χ^2/NDF: 19005925.8/65


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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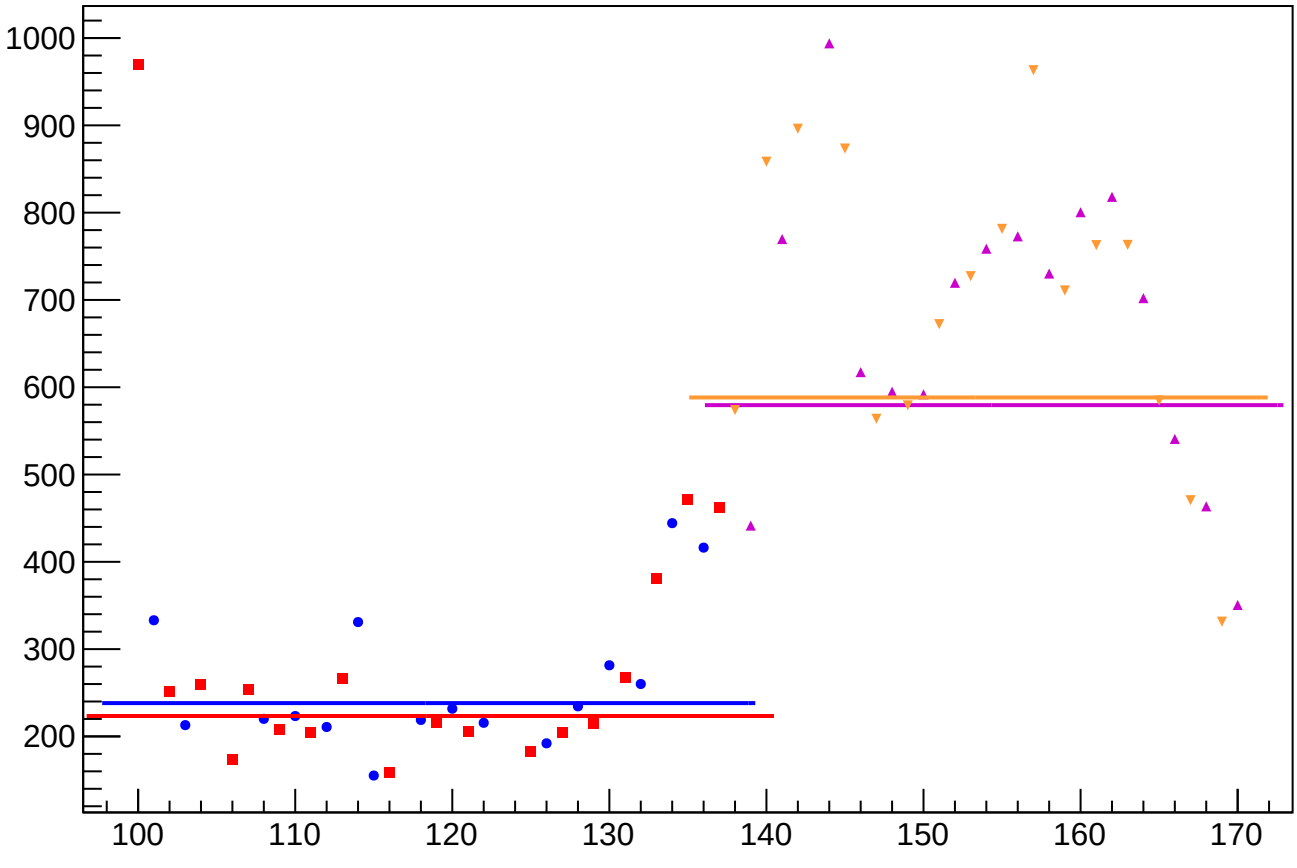
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.018+/-0.175 χ²/NDF:22.7/15
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.095+/-0.121 χ²/NDF: 45.9/31
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.071+/-0.080 χ²/NDF:48.3/33
All: 0.000+/-0.057 χ²/NDF: 86.2/65



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.279+/-0.124 χ^2/NDF:2140753.8/15

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 579.495+/-0.119 χ^2/NDF:1990028.4/15

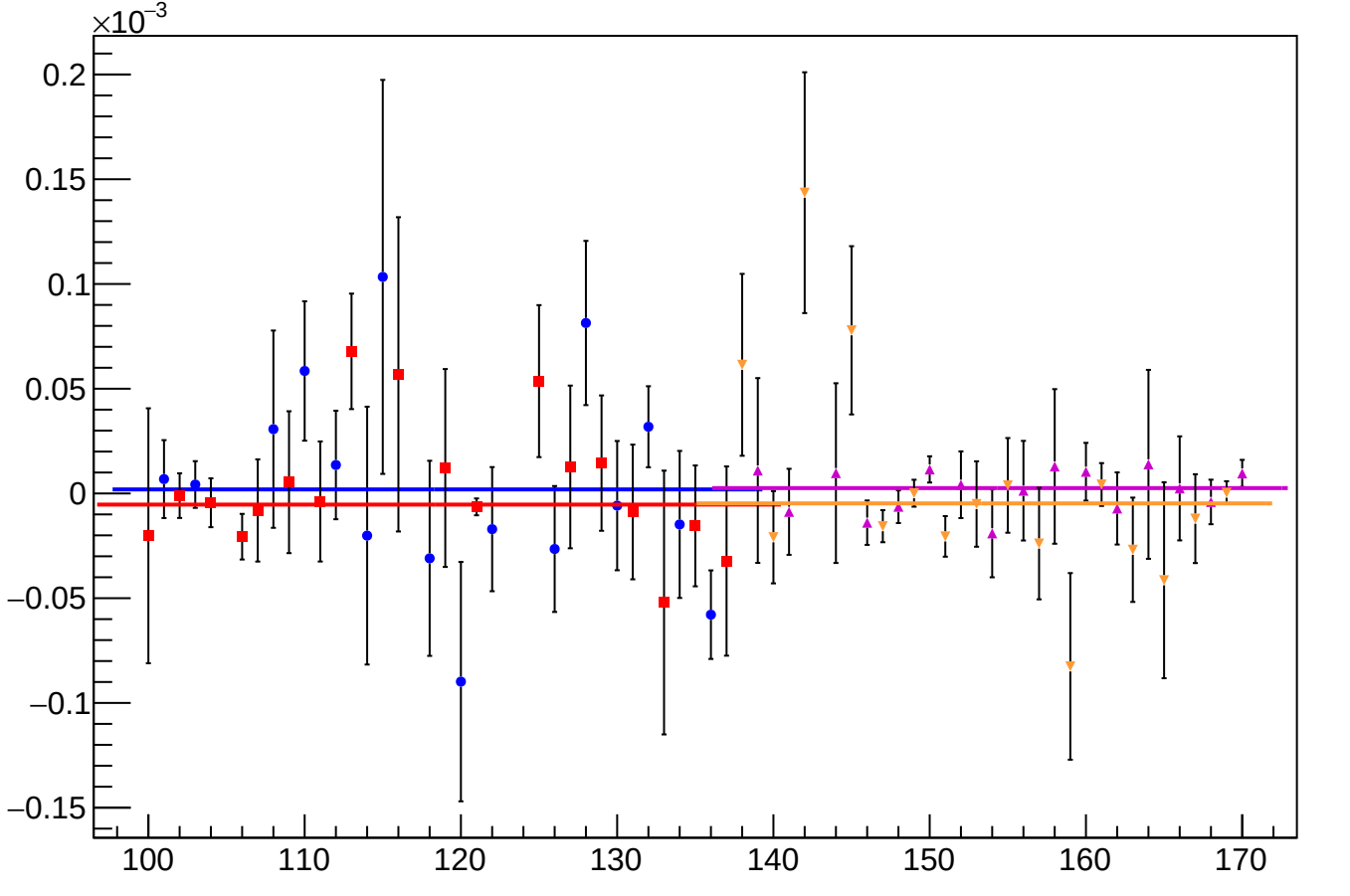
Left: 583.714+/-0.086 χ^2/NDF: 4133399.0/31

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 319.064+/-0.058 χ^2/NDF:9074217.1/31

Out: 299.714+/-0.057 χ^2/NDF:9874649.8/33

All: 309.166+/-0.040 χ^2/NDF: 19005925.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/15

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

Left In: 0.000+/-0.000 χ^2/NDF:9.5/15

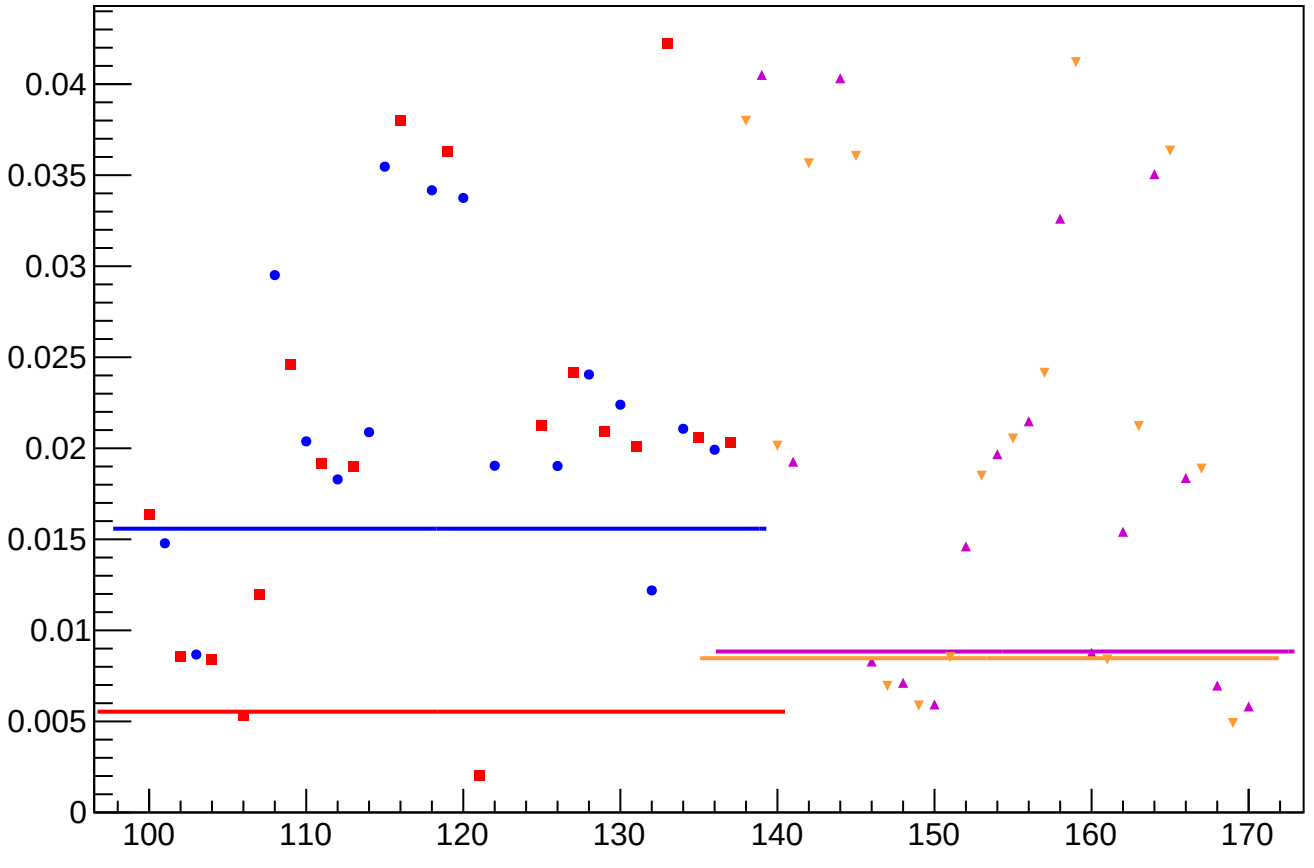
Left: -0.000+/-0.000 χ^2/NDF: 38.3/31

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:33.6/31

Out: -0.000+/-0.000 χ^2/NDF:40.4/33

All: -0.000+/-0.000 χ^2/NDF: 78.5/65



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:8670082.0/15

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:7105762.2/15

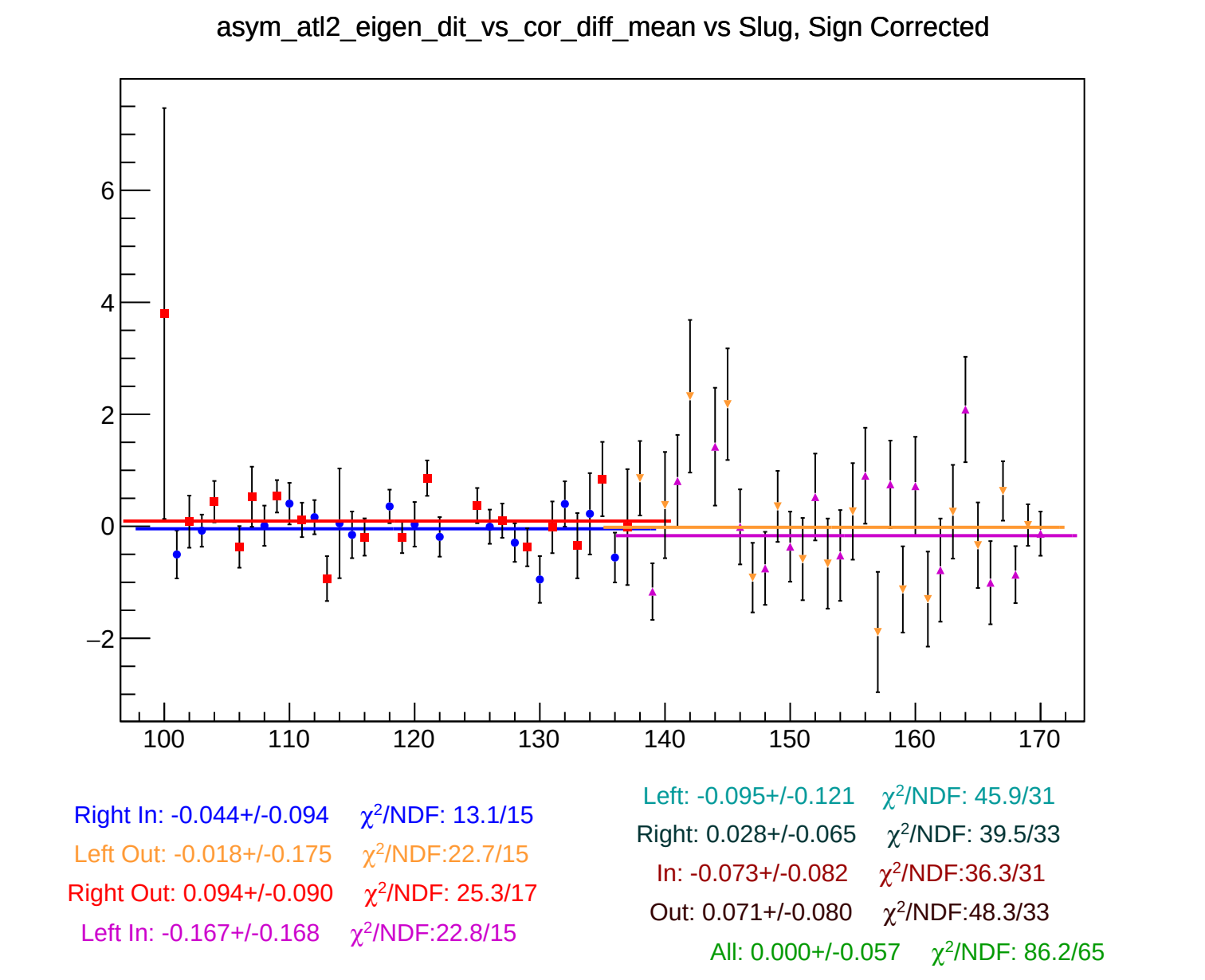
Left: 0.009+/-0.000 χ^2/NDF: 15790409.9/31

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:10998295.6/31

Out: 0.007+/-0.000 χ^2/NDF:17514095.9/33

All: 0.008+/-0.000 χ^2/NDF: 29978141.2/65


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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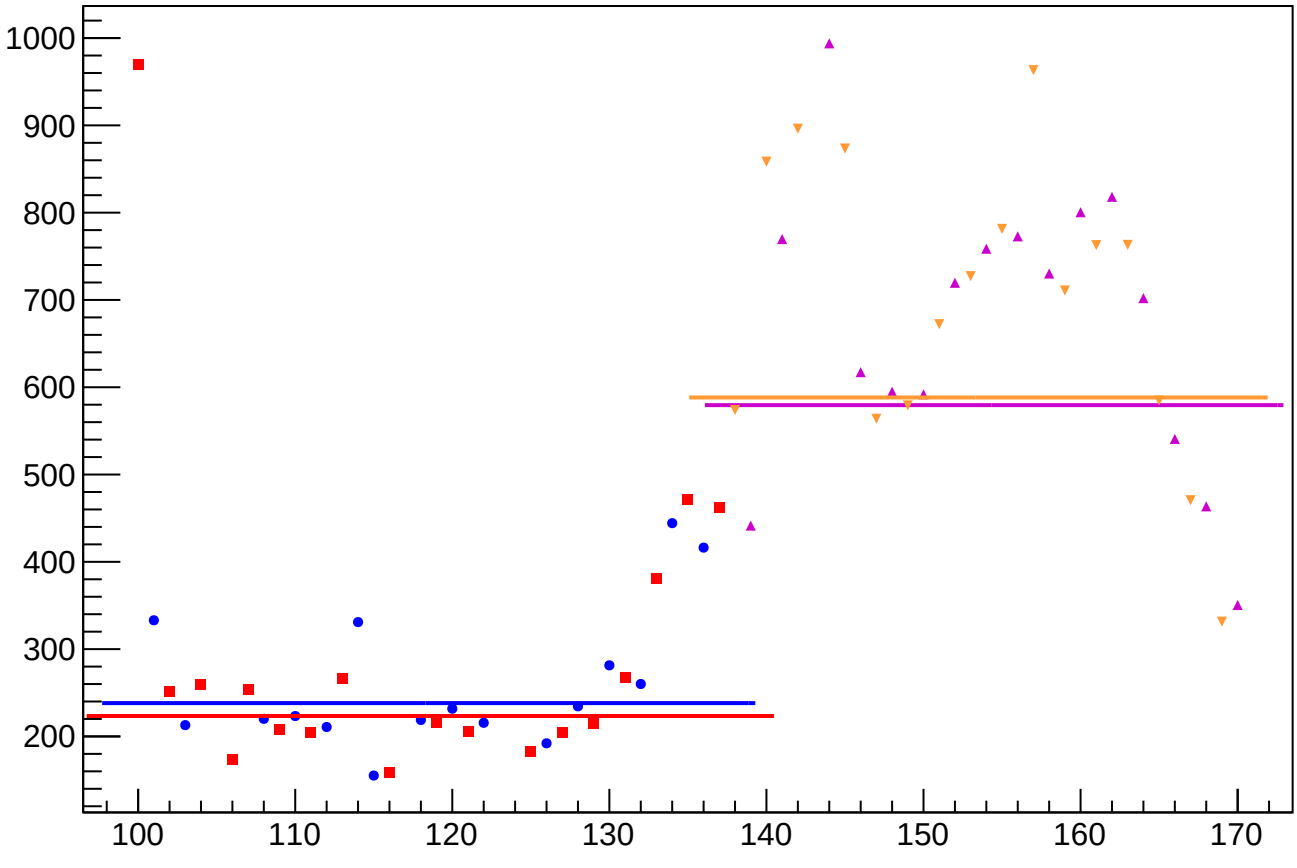
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.018+/-0.175 χ²/NDF:22.7/15
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.095+/-0.121 χ²/NDF: 45.9/31
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.071+/-0.080 χ²/NDF:48.3/33
All: 0.000+/-0.057 χ²/NDF: 86.2/65



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 588.284+/-0.124 χ^2/NDF:2140839.6/15

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 579.503+/-0.119 χ^2/NDF:1990050.5/15

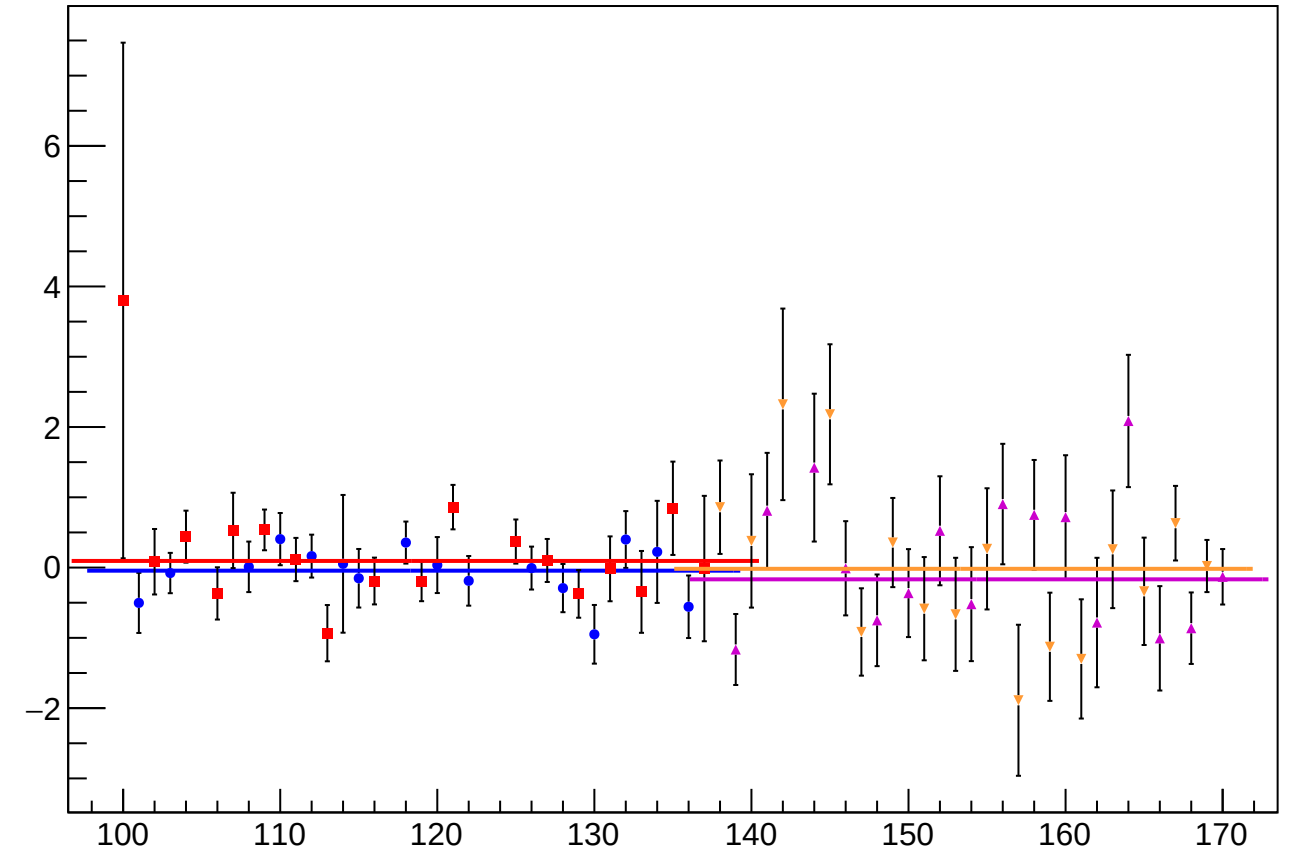
Left: 583.721+/-0.086 χ^2/NDF: 4133505.6/31

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 319.065+/-0.058 χ^2/NDF:9074319.1/31

Out: 299.716+/-0.057 χ^2/NDF:9874688.0/33

All: 309.167+/-0.040 χ^2/NDF: 19006062.1/65


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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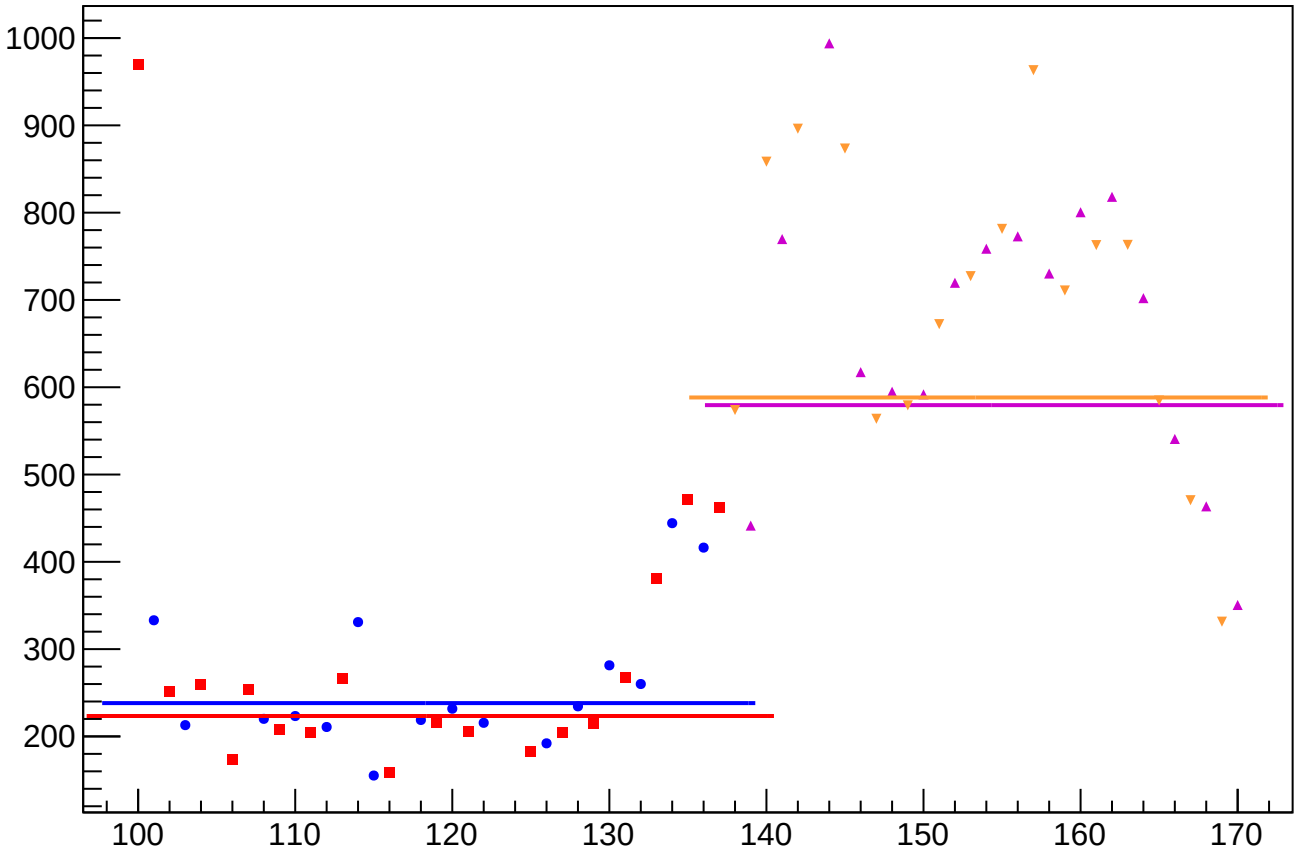
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.018+/-0.175 χ²/NDF:22.7/15
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.095+/-0.121 χ²/NDF: 45.9/31
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.071+/-0.080 χ²/NDF:48.3/33
All: 0.000+/-0.057 χ²/NDF: 86.2/65



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 588.284+/-0.124 χ^2/NDF:2140839.6/15

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 579.503+/-0.119 χ^2/NDF:1990050.5/15

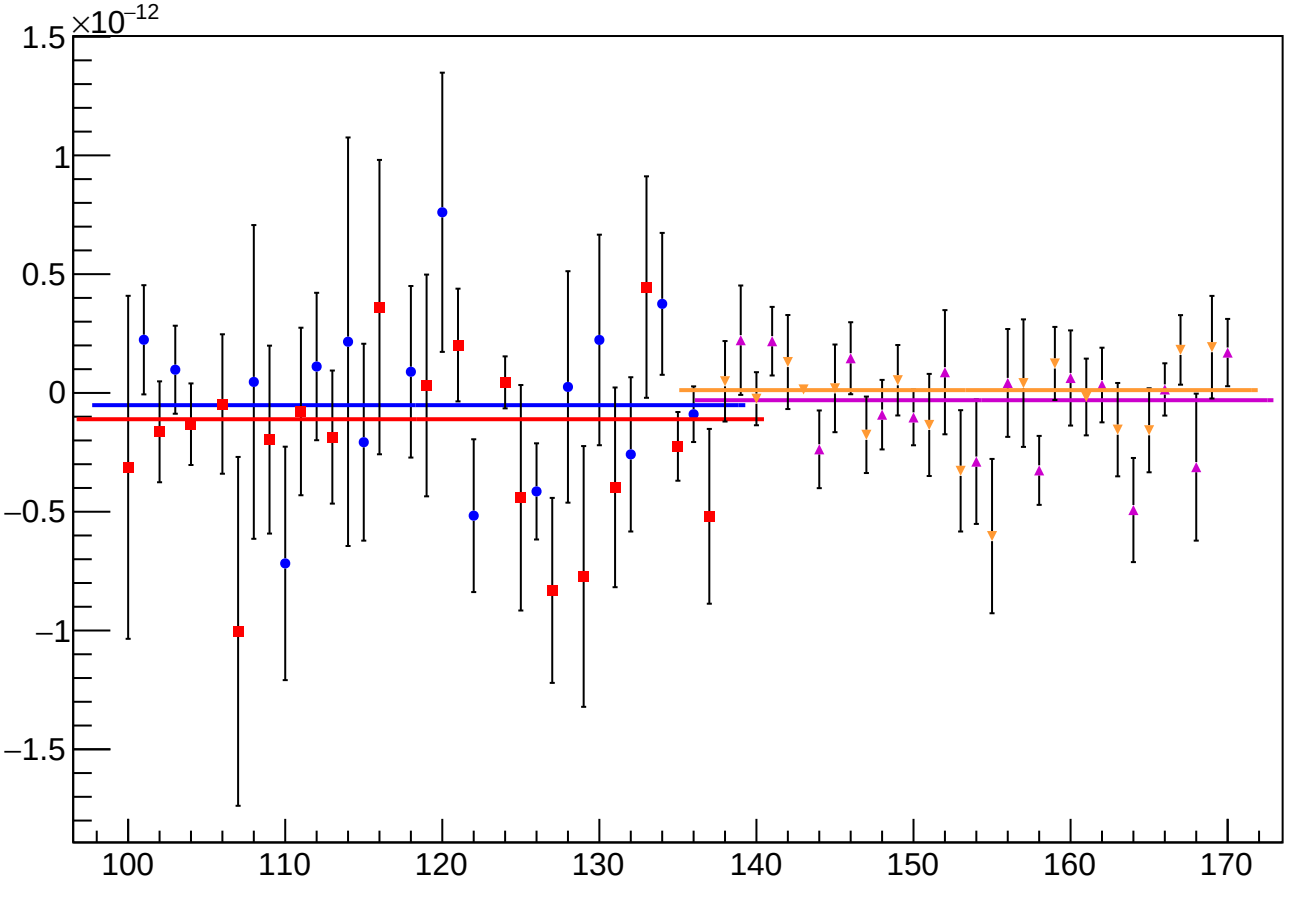
Left: 583.721+/-0.086 χ^2/NDF: 4133505.6/31

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 319.065+/-0.058 χ^2/NDF:9074319.1/31

Out: 299.716+/-0.057 χ^2/NDF:9874688.0/33

All: 309.167+/-0.040 χ^2/NDF: 19006062.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.9/15

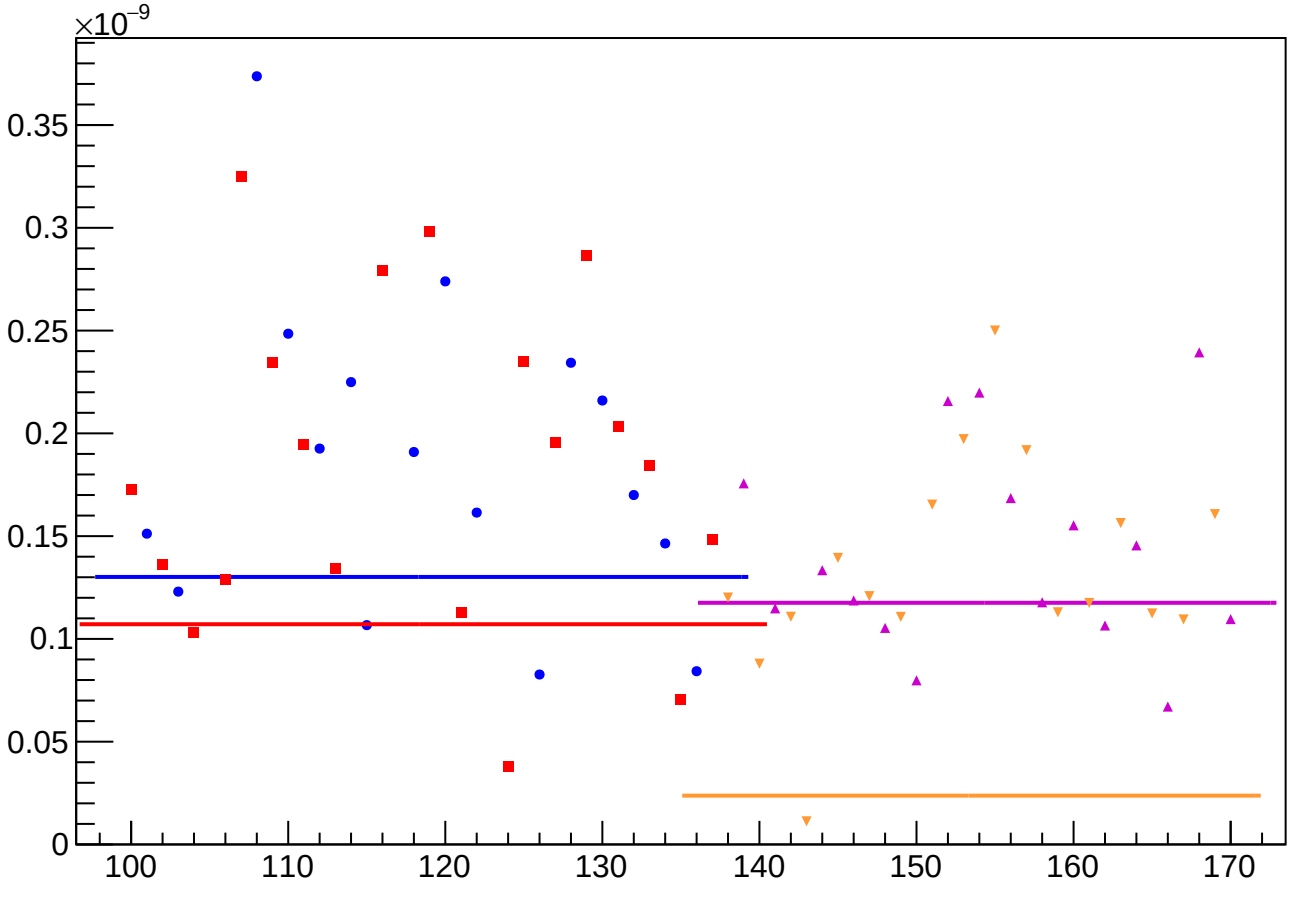
Left: 0.000+/-0.000 χ^2/NDF: 33.9/32

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:35.8/31

Out: 0.000+/-0.000 χ^2/NDF:31.4/35

All: -0.000+/-0.000 χ^2/NDF: 68.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13006680.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1905847.8/15

Left: 0.000+/-0.000 χ^2/NDF: 24181781.7/32

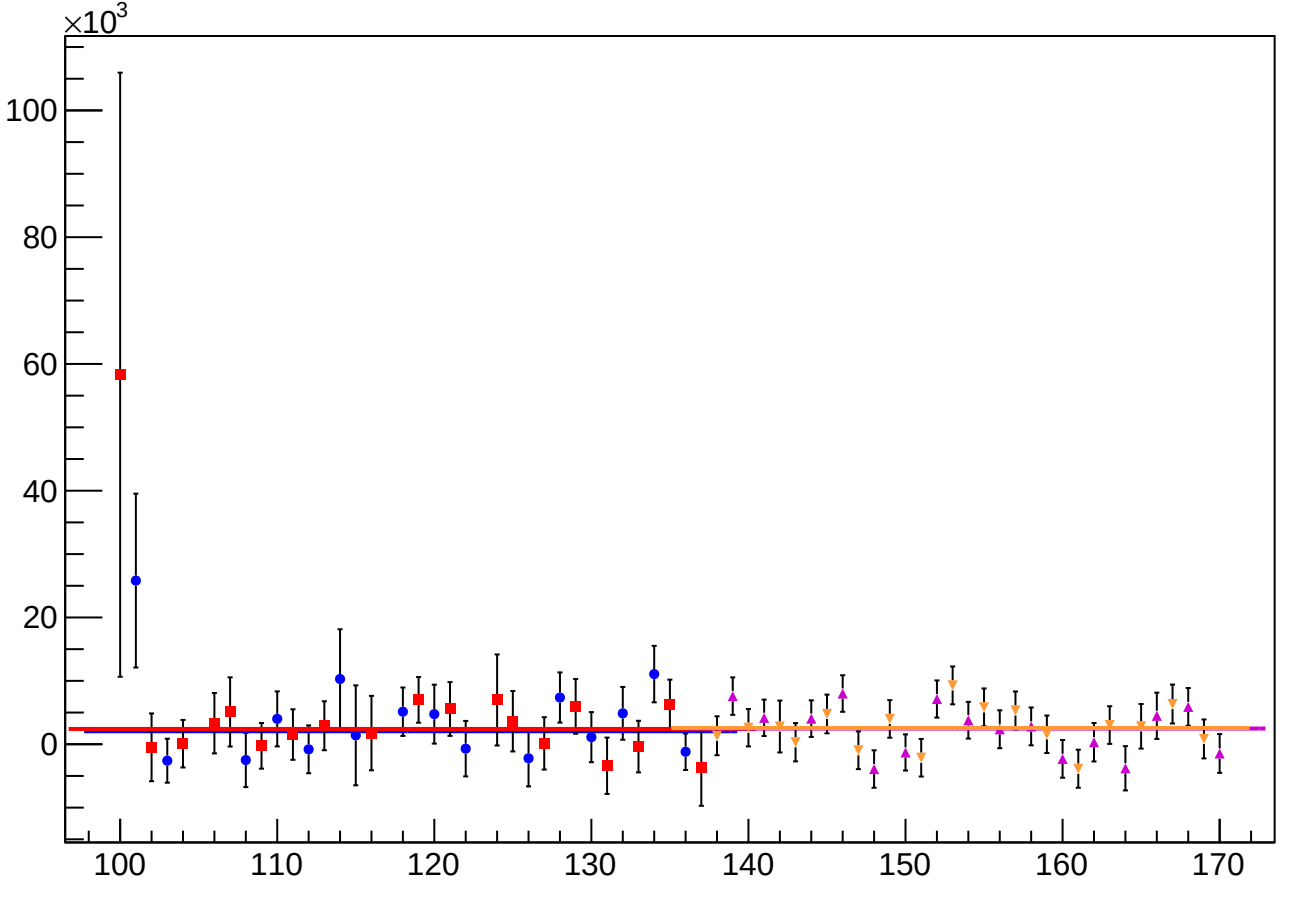
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3290833.2/31

Out: 0.000+/-0.000 χ^2/NDF:19426728.8/35

All: 0.000+/-0.000 χ^2/NDF: 34665113.7/67

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2565.360+/-744.049 χ^2/NDF:19.0/16

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2477.175+/-751.473 χ^2/NDF:26.1/15

Left: 2521.705+/-528.727 χ^2/NDF: 45.1/32

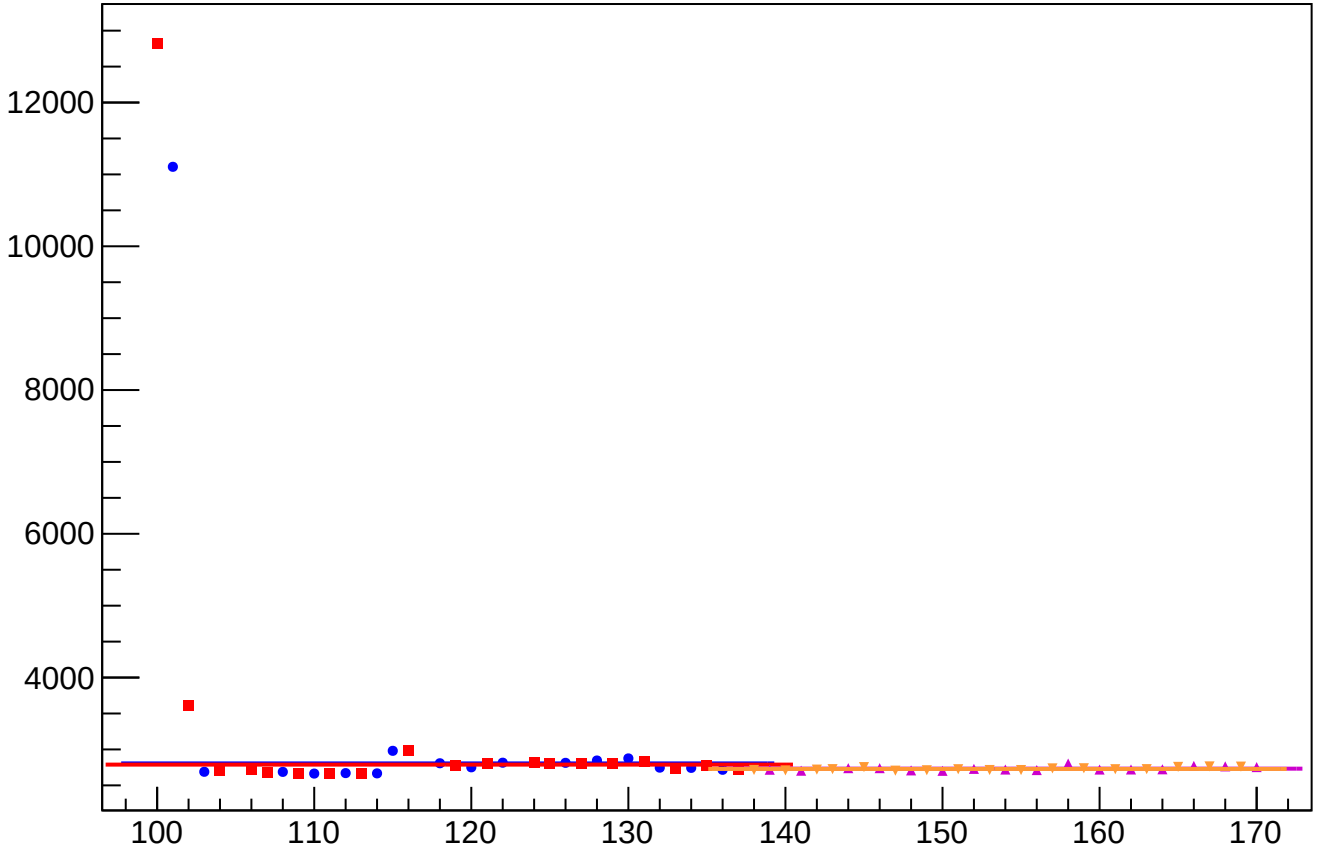
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2335.975+/-615.037 χ^2/NDF:44.0/31

Out: 2513.091+/-604.233 χ^2/NDF:29.8/35

All: 2426.102+/-431.026 χ^2/NDF: 73.8/67

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2728.484+/-0.526 χ^2/NDF:1249.0/16

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2732.408+/-0.531 χ^2/NDF:2504.6/15

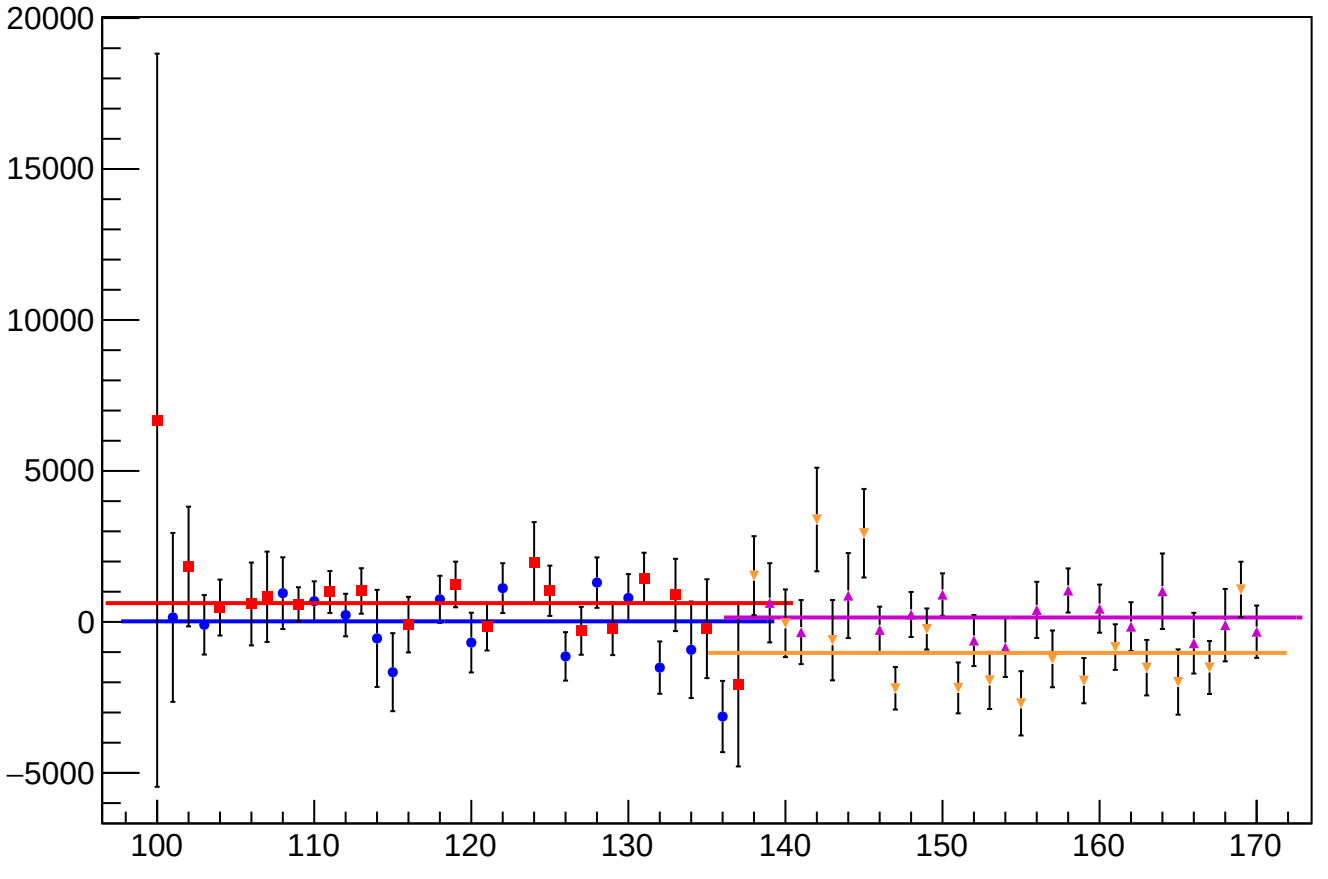
Left: 2730.427+/-0.374 χ^2/NDF: 3781.2/32

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.522+/-0.435 χ^2/NDF:754982.7/31

Out: 2749.029+/-0.427 χ^2/NDF:152725.7/35

All: 2752.709+/-0.305 χ^2/NDF: 907859.5/67


asym_atr1_reg_correction_mean vs Slug, Sign Corrected
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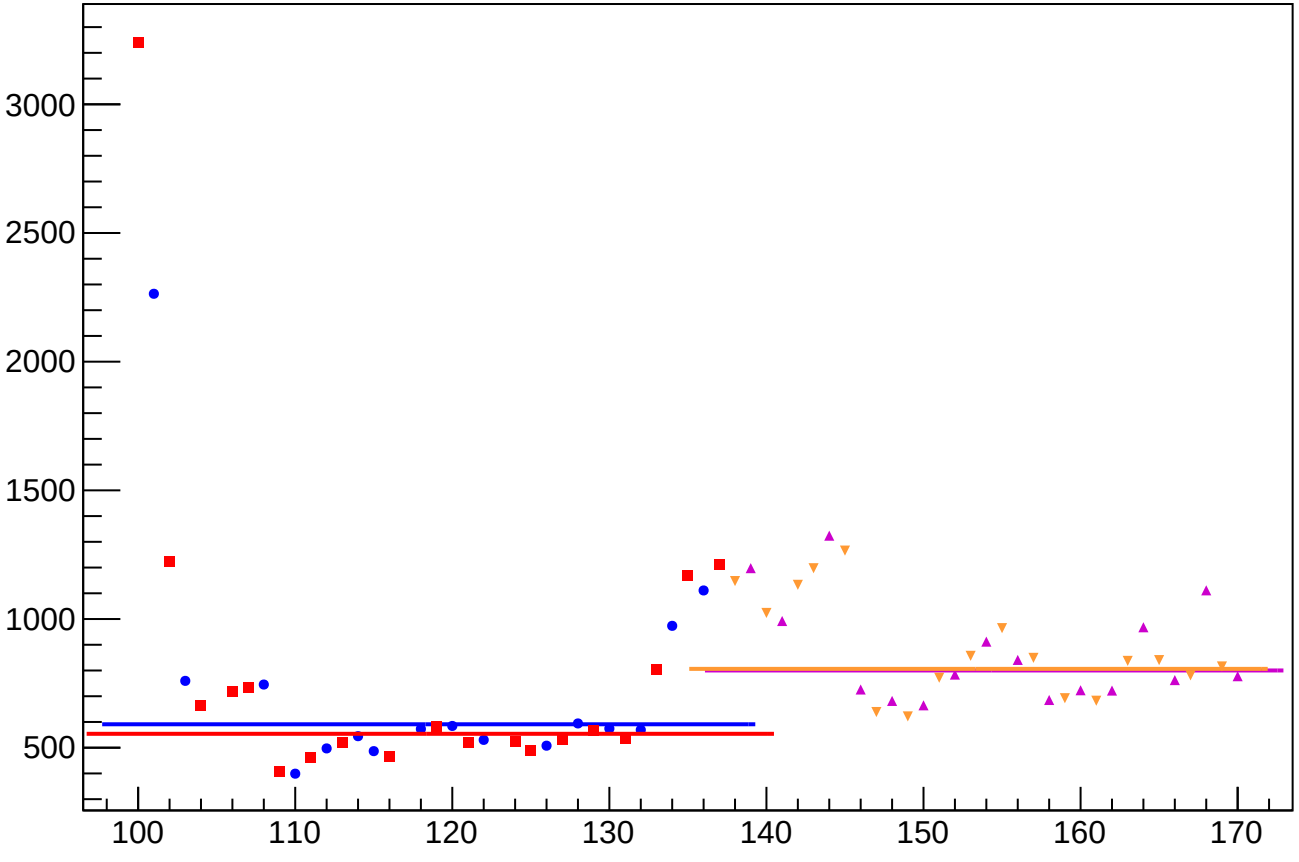
Right In: 18.981+/-233.483 χ²/NDF: 22.8/15
Left Out: -1025.404+/-226.256 χ²/NDF:36.3/16
Right Out: 623.107+/-215.948 χ²/NDF: 9.3/18
Left In: 146.733+/-225.133 χ²/NDF:7.3/15
Left: -436.420+/-159.589 χ²/NDF: 57.1/32
Right: 344.579+/-158.535 χ²/NDF: 35.6/34
In: 85.182+/-162.065 χ²/NDF:30.2/31
Out: -162.743+/-156.215 χ²/NDF:73.4/35
All: -43.335+/-112.472 χ²/NDF: 104.8/67

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 806.333+/-0.160 χ^2/NDF:1077571.7/16

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 800.113+/-0.159 χ^2/NDF:961519.1/15

Left: 803.207+/-0.113 χ^2/NDF: 2039850.2/32

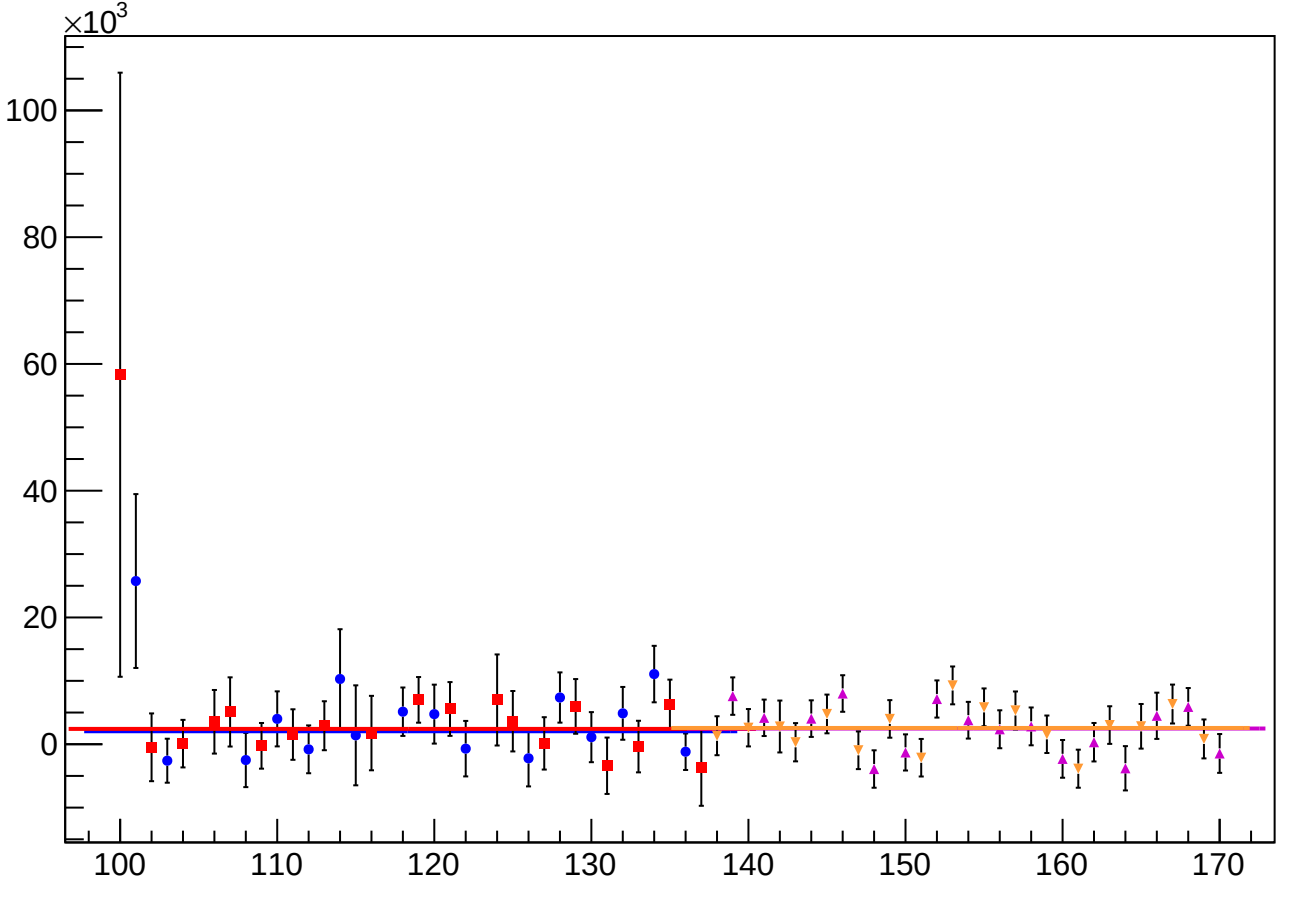
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.382+/-0.115 χ^2/NDF:3360198.7/31

Out: 674.278+/-0.110 χ^2/NDF:3496419.9/35

All: 686.369+/-0.080 χ^2/NDF: 6881495.0/67

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2565.371+/-744.049 χ^2/NDF:19.0/16

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2477.231+/-751.473 χ^2/NDF:26.1/15

Left: 2521.739+/-528.727 χ^2/NDF: 45.1/32

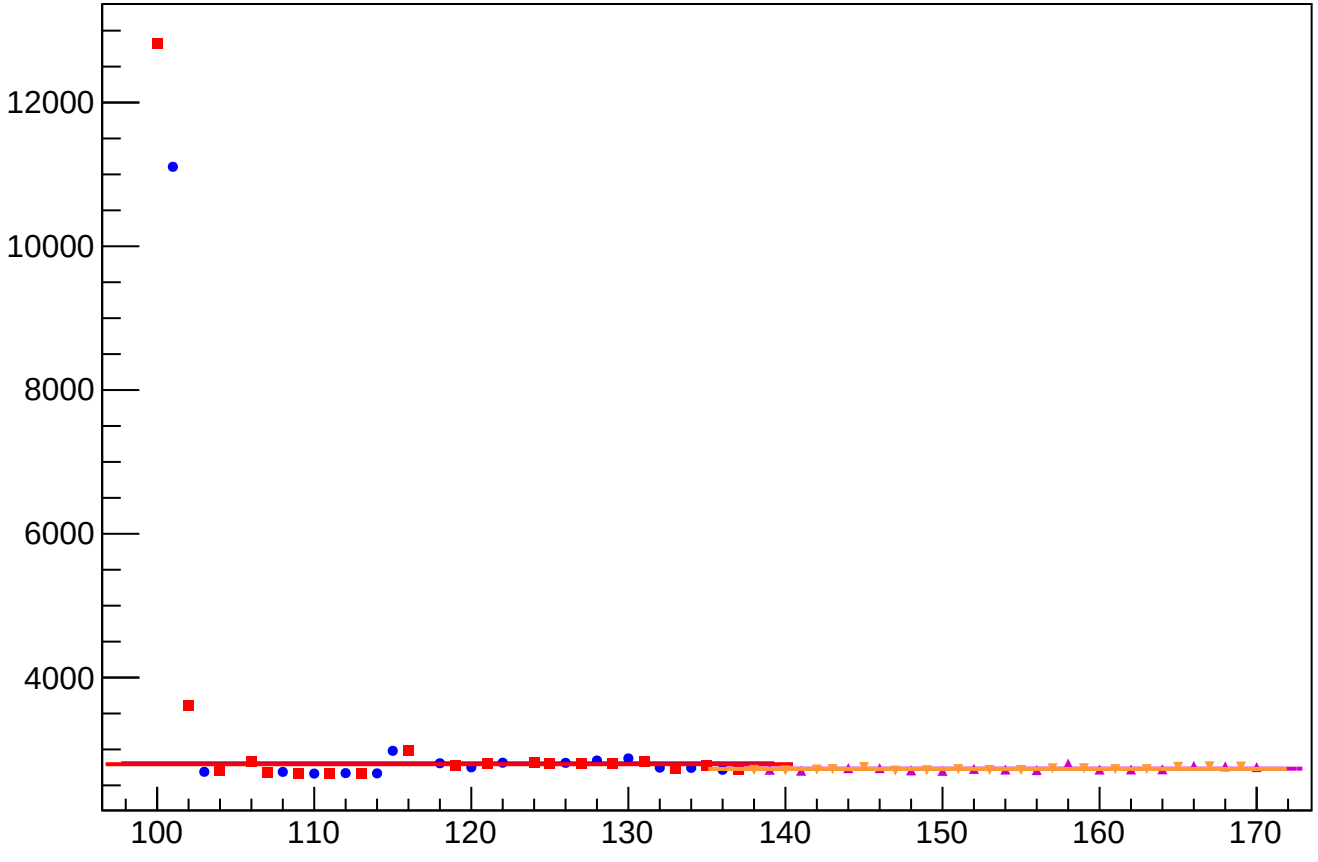
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2335.746+/-615.037 χ^2/NDF:44.0/31

Out: 2515.311+/-604.706 χ^2/NDF:29.8/35

All: 2427.049+/-431.198 χ^2/NDF: 73.8/67

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2728.484+/-0.526 χ^2/NDF:1249.0/16

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2732.408+/-0.531 χ^2/NDF:2504.6/15

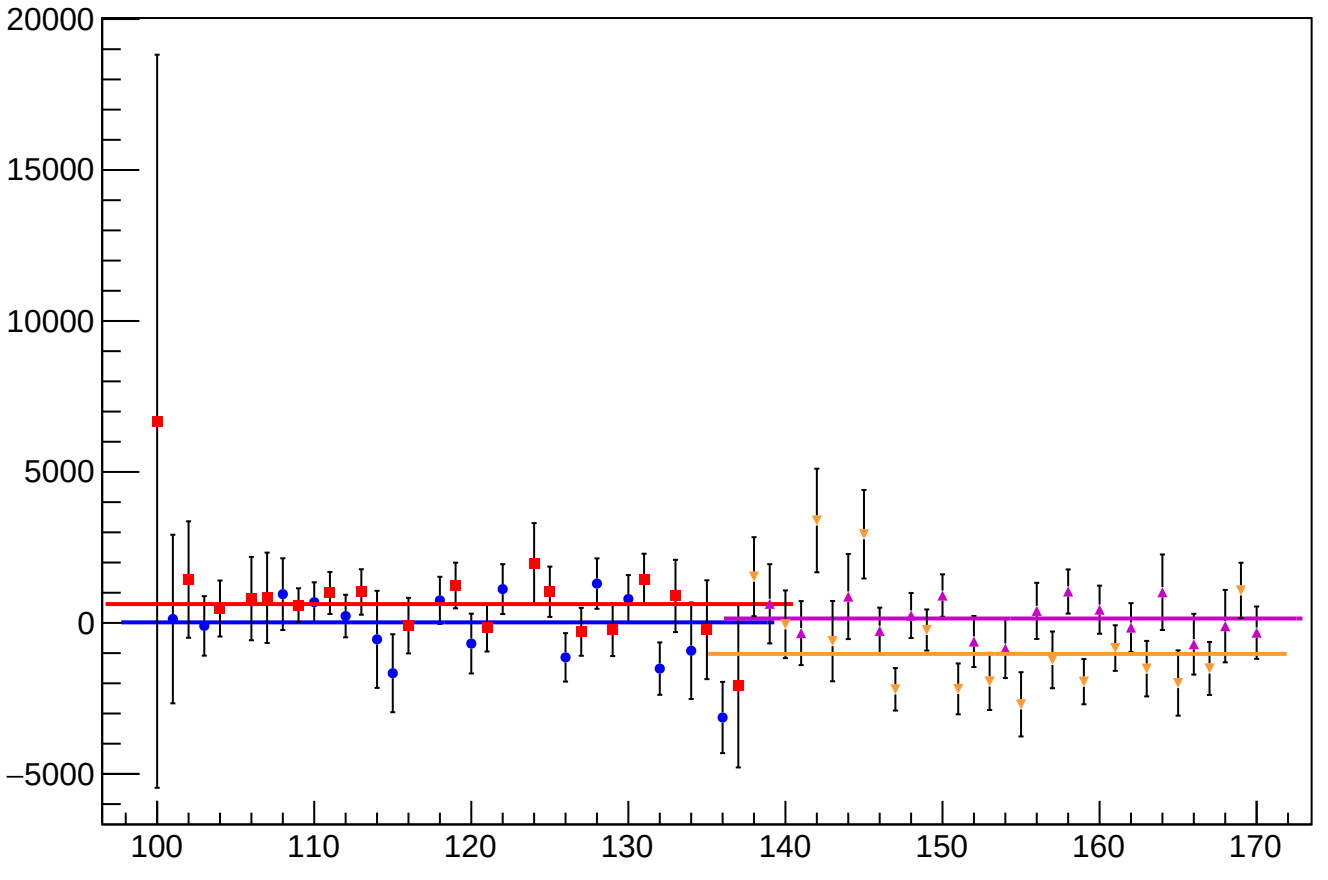
Left: 2730.427+/-0.374 χ^2/NDF: 3781.2/32

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.522+/-0.435 χ^2/NDF:754981.8/31

Out: 2750.779+/-0.428 χ^2/NDF:153282.9/35

All: 2753.602+/-0.305 χ^2/NDF: 908353.3/67



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1025.278+/-226.254 χ^2/NDF:36.3/16

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 146.790+/-225.132 χ^2/NDF:7.3/15

Left: -436.330+/-159.588 χ^2/NDF: 57.1/32

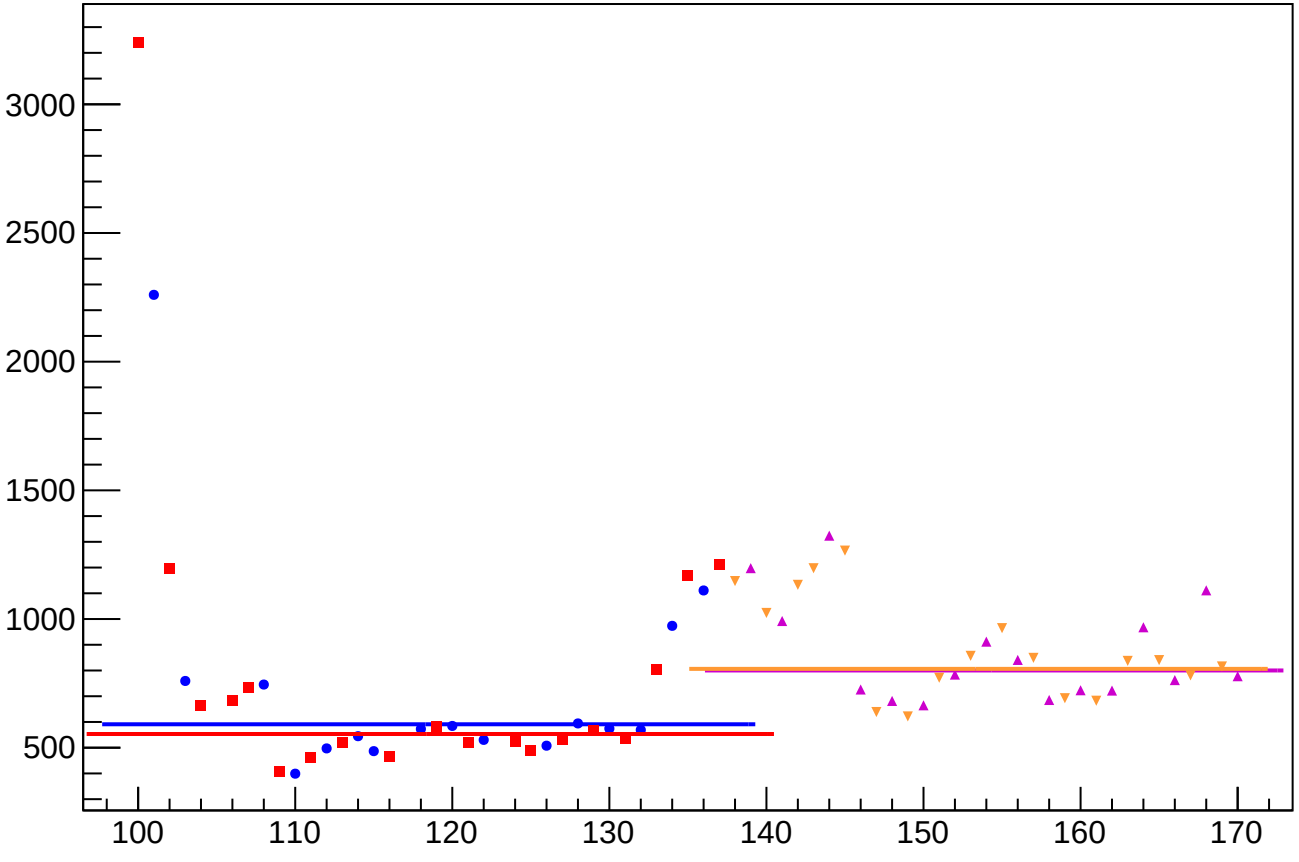
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 85.189+/-162.060 χ^2/NDF:30.2/31

Out: -161.931+/-156.197 χ^2/NDF:73.2/35

All: -42.922+/-112.464 χ^2/NDF: 104.7/67

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 806.325+/-0.160 χ^2/NDF:1077595.7/16

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 800.108+/-0.159 χ^2/NDF:961506.7/15

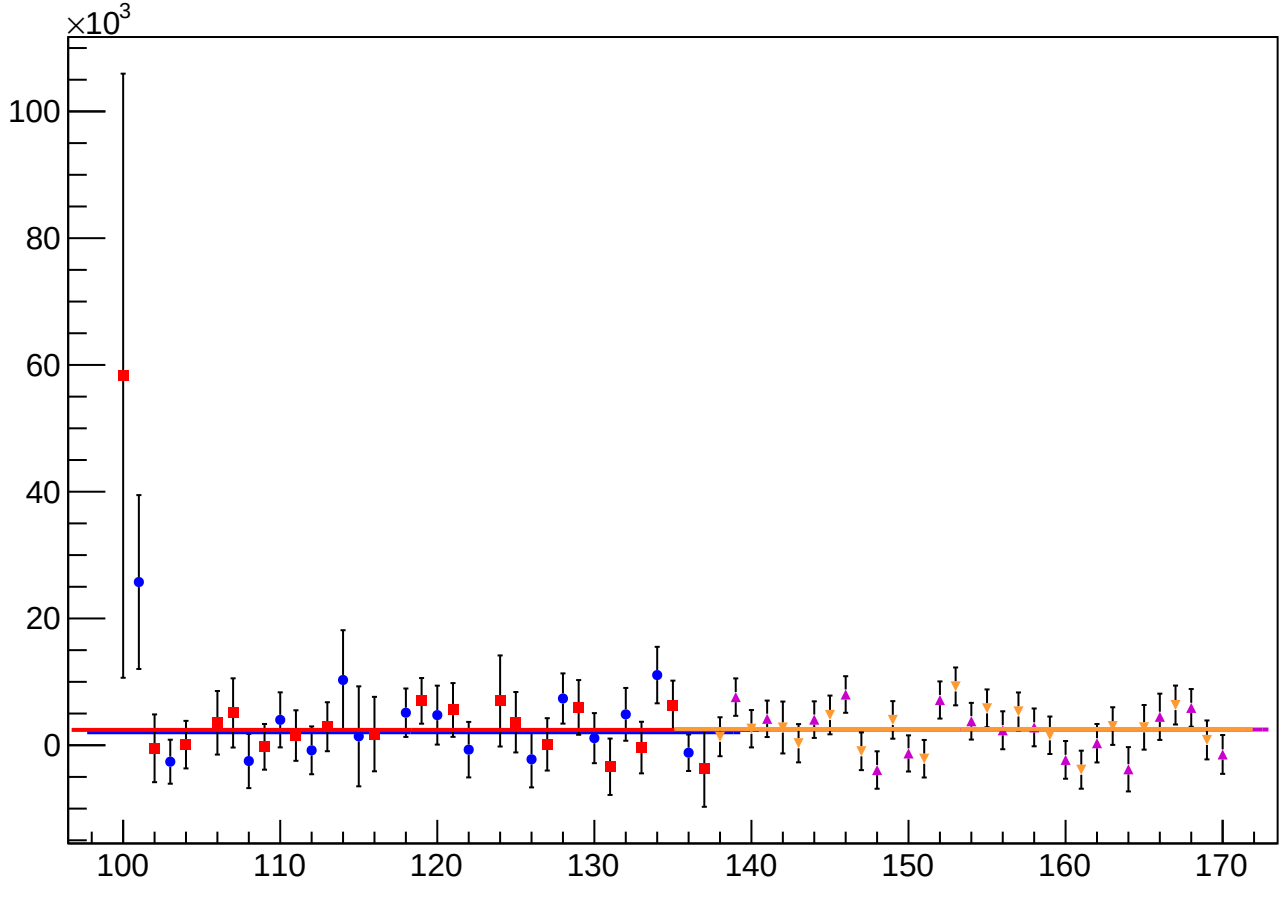
Left: 803.201+/-0.113 χ^2/NDF: 2039861.1/32

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.374+/-0.115 χ^2/NDF:3359181.4/31

Out: 673.856+/-0.110 χ^2/NDF:3489117.7/35

All: 686.145+/-0.080 χ^2/NDF: 6874006.1/67



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2565.371+/-744.049 χ^2/NDF:19.0/16

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2477.231+/-751.473 χ^2/NDF:26.1/15

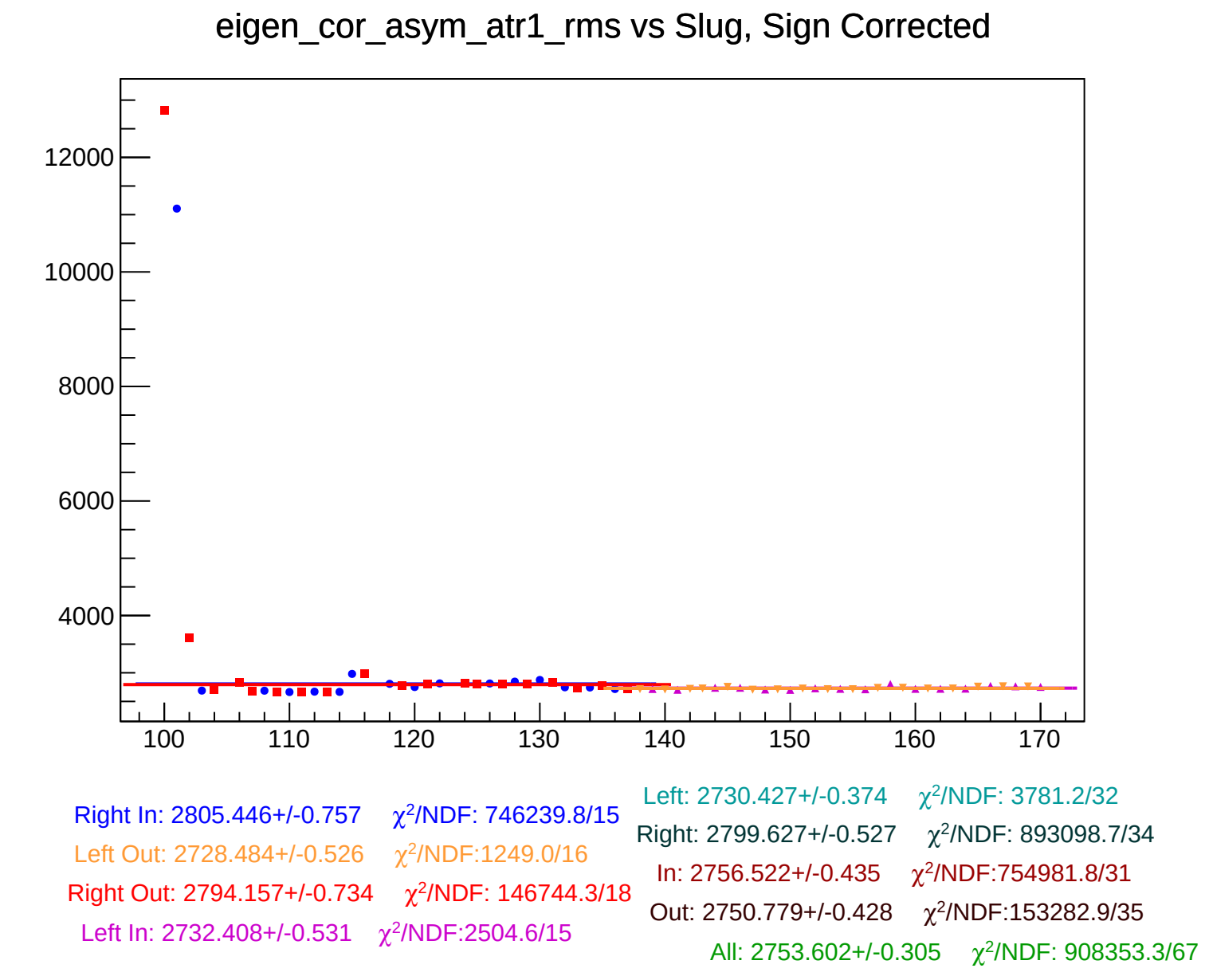
Left: 2521.739+/-528.727 χ^2/NDF: 45.1/32

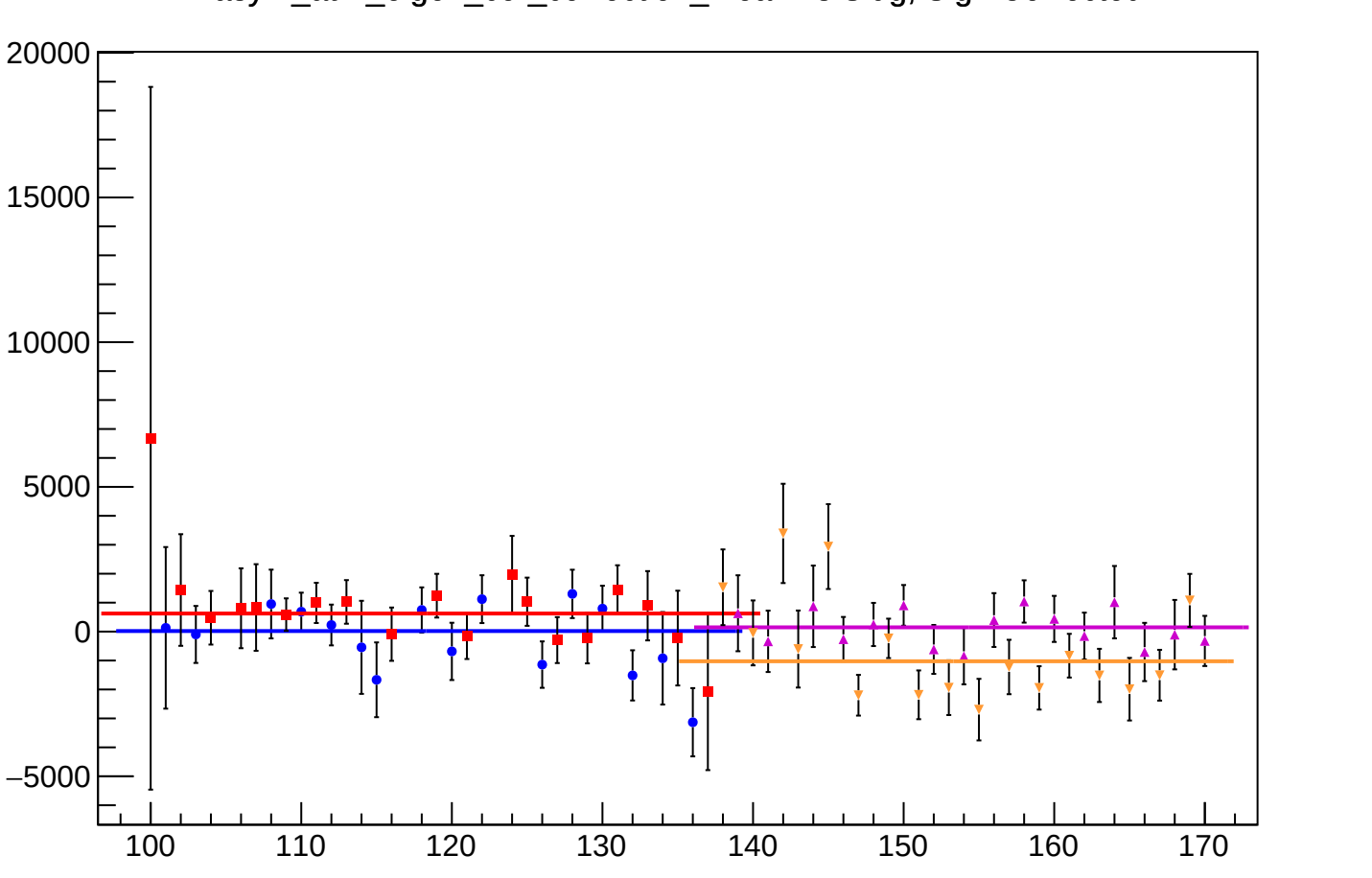
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

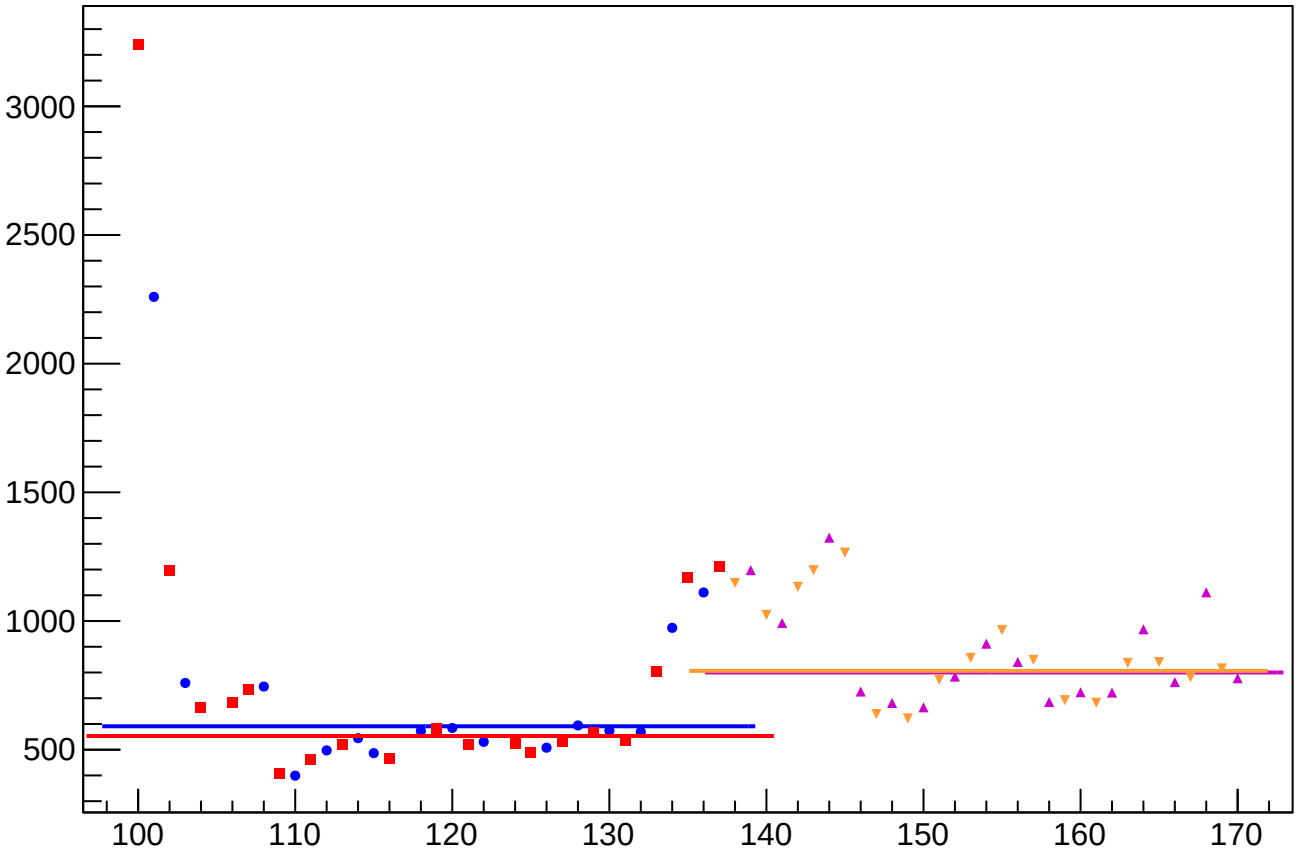
In: 2335.746+/-615.037 χ^2/NDF:44.0/31

Out: 2515.311+/-604.706 χ^2/NDF:29.8/35

All: 2427.049+/-431.198 χ^2/NDF: 73.8/67


eigen_cor_asym_atr1_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 2805.446+/-0.757 χ²/NDF: 746239.8/15
Left Out: 2728.484+/-0.526 χ²/NDF:1249.0/16
Right Out: 2794.157+/-0.734 χ²/NDF: 146744.3/18
Left In: 2732.408+/-0.531 χ²/NDF:2504.6/15
Left: 2730.427+/-0.374 χ²/NDF: 3781.2/32
Right: 2799.627+/-0.527 χ²/NDF: 893098.7/34
In: 2756.522+/-0.435 χ²/NDF:754981.8/31
Out: 2750.779+/-0.428 χ²/NDF:153282.9/35
All: 2753.602+/-0.305 χ²/NDF: 908353.3/67


asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 18.940+/-233.471 χ²/NDF: 22.8/15
Left Out: -1025.278+/-226.254 χ²/NDF:36.3/16
Right Out: 624.217+/-215.902 χ²/NDF: 9.1/18
Left In: 146.790+/-225.132 χ²/NDF:7.3/15
Left: -436.330+/-159.588 χ²/NDF: 57.1/32
Right: 345.208+/-158.513 χ²/NDF: 35.5/34
In: 85.189+/-162.060 χ²/NDF:30.2/31
Out: -161.931+/-156.197 χ²/NDF:73.2/35
All: -42.922+/-112.464 χ²/NDF: 104.7/67



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 806.325+/-0.160 χ^2/NDF:1077595.7/16

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 800.108+/-0.159 χ^2/NDF:961506.7/15

Left: 803.201+/-0.113 χ^2/NDF: 2039861.1/32

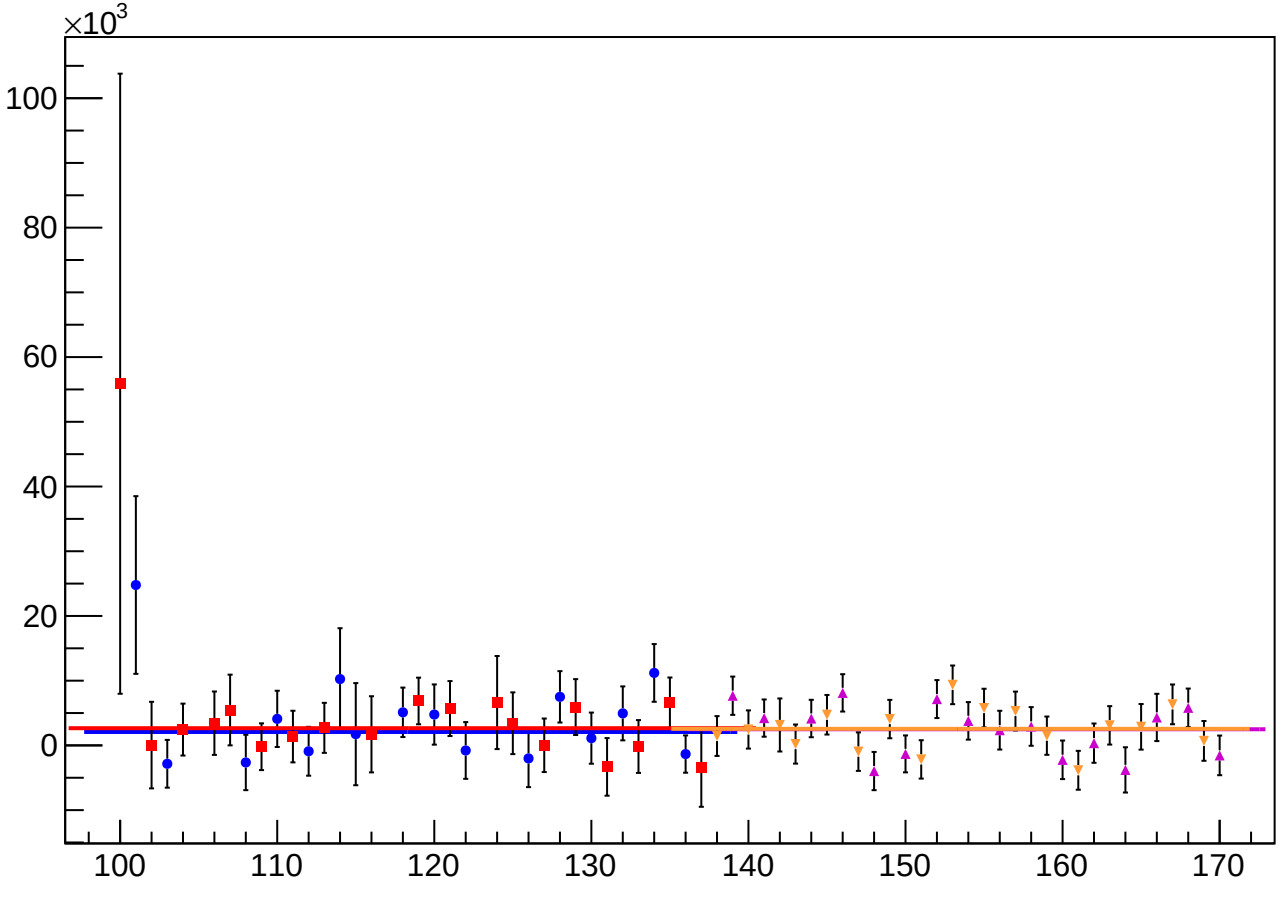
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.374+/-0.115 χ^2/NDF:3359181.4/31

Out: 673.856+/-0.110 χ^2/NDF:3489117.7/35

All: 686.145+/-0.080 χ^2/NDF: 6874006.1/67

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2560.905+/-744.574 χ^2/NDF:19.2/16

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2493.280+/-751.920 χ^2/NDF:26.3/15

Left: 2527.425+/-529.071 χ^2/NDF: 45.6/32

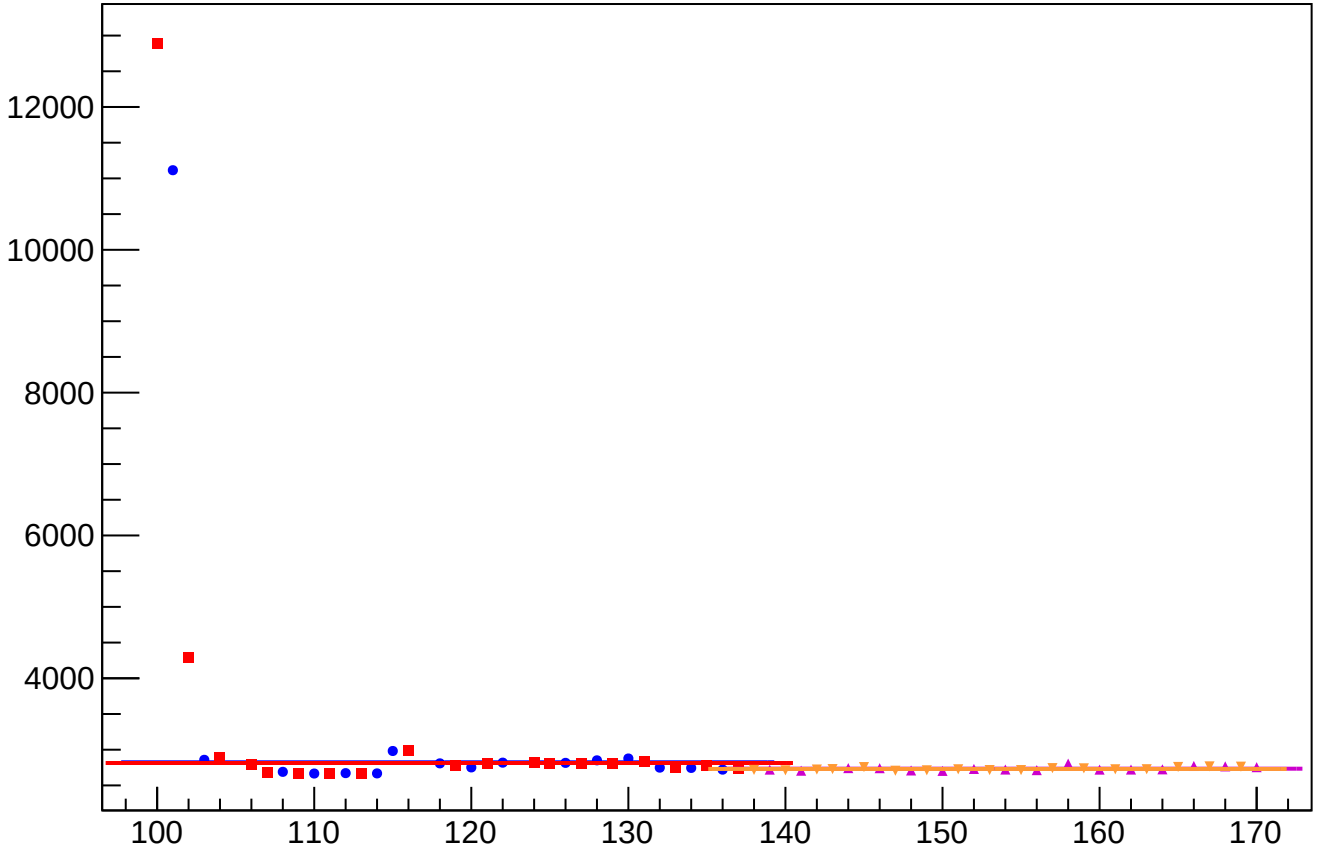
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2356.165+/-616.563 χ^2/NDF:44.3/31

Out: 2593.164+/-607.340 χ^2/NDF:29.2/35

All: 2476.450+/-432.678 χ^2/NDF: 73.6/67

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2730.401+/-0.526 χ^2/NDF:1280.9/16

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2734.025+/-0.532 χ^2/NDF:2520.4/15

Left: 2732.195+/-0.374 χ^2/NDF: 3824.7/32

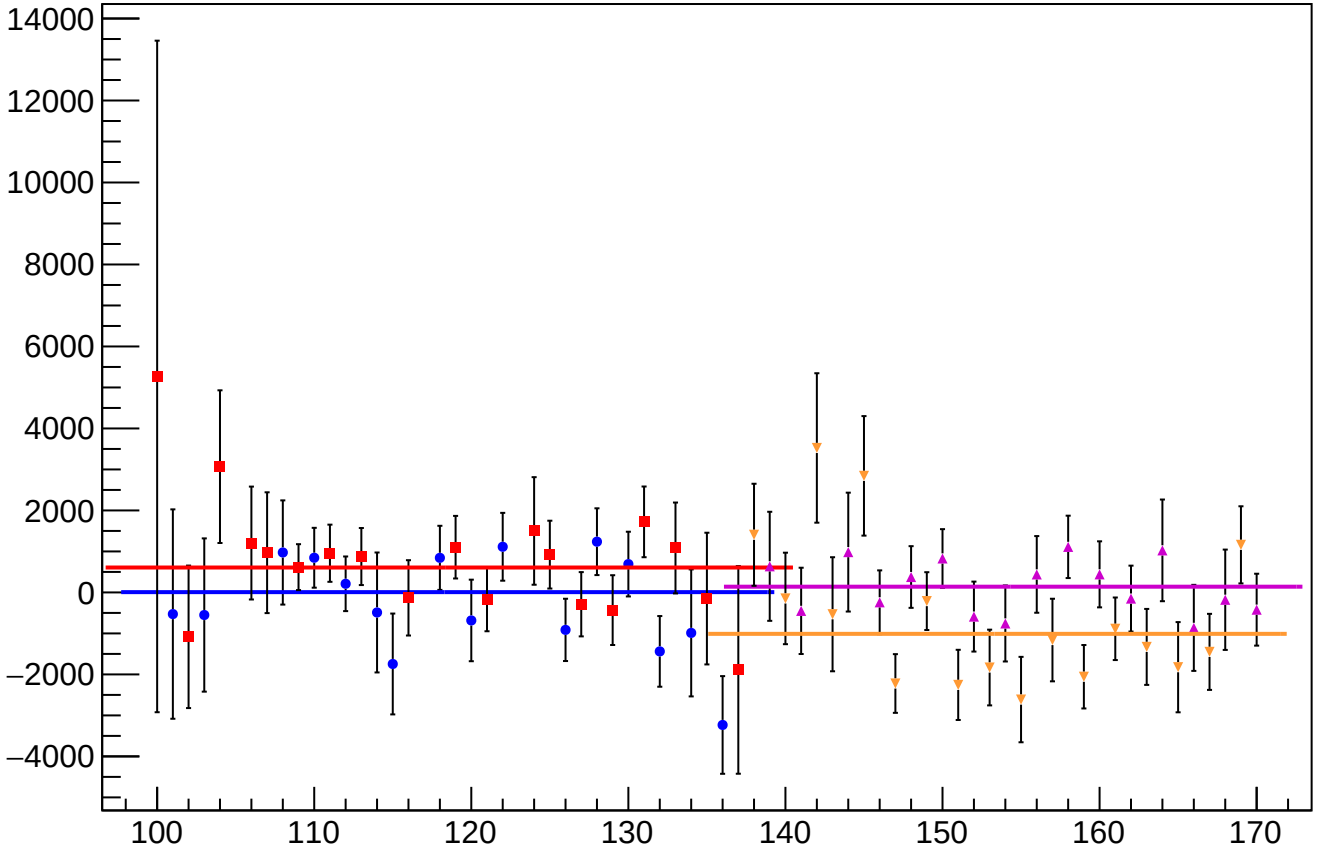
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.322+/-0.436 χ^2/NDF:755703.9/31

Out: 2758.318+/-0.429 χ^2/NDF:210194.2/35

All: 2760.782+/-0.306 χ^2/NDF: 965965.0/67

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1010.506+/-230.542 χ^2/NDF:35.2/16

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 139.935+/-227.391 χ^2/NDF:7.6/15

Left: -427.370+/-161.893 χ^2/NDF: 55.4/32

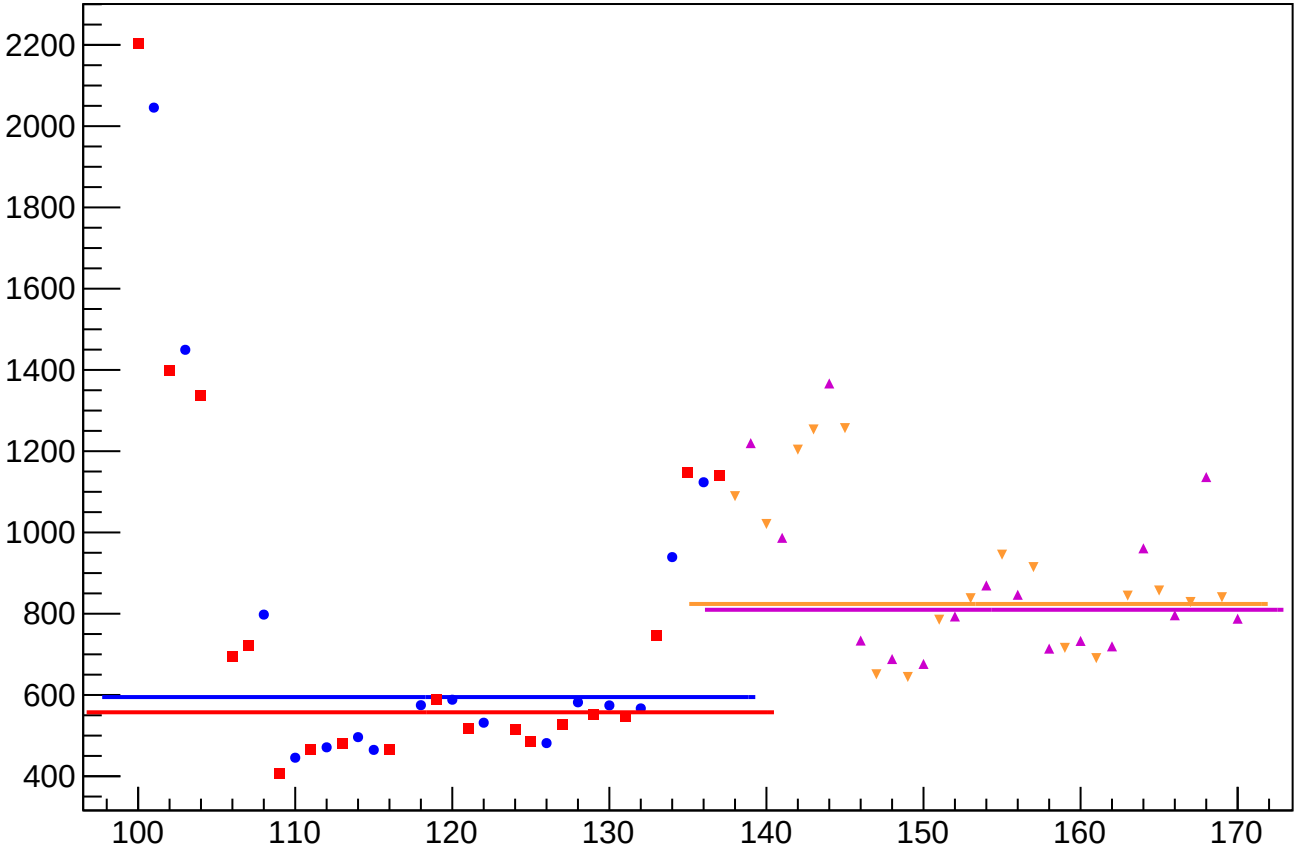
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 76.367+/-164.233 χ^2/NDF:30.6/31

Out: -152.858+/-158.049 χ^2/NDF:73.5/35

All: -42.642+/-113.881 χ^2/NDF: 105.1/67

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 824.030+/-0.163 χ^2/NDF:1005050.6/16

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 809.679+/-0.161 χ^2/NDF:943178.6/15

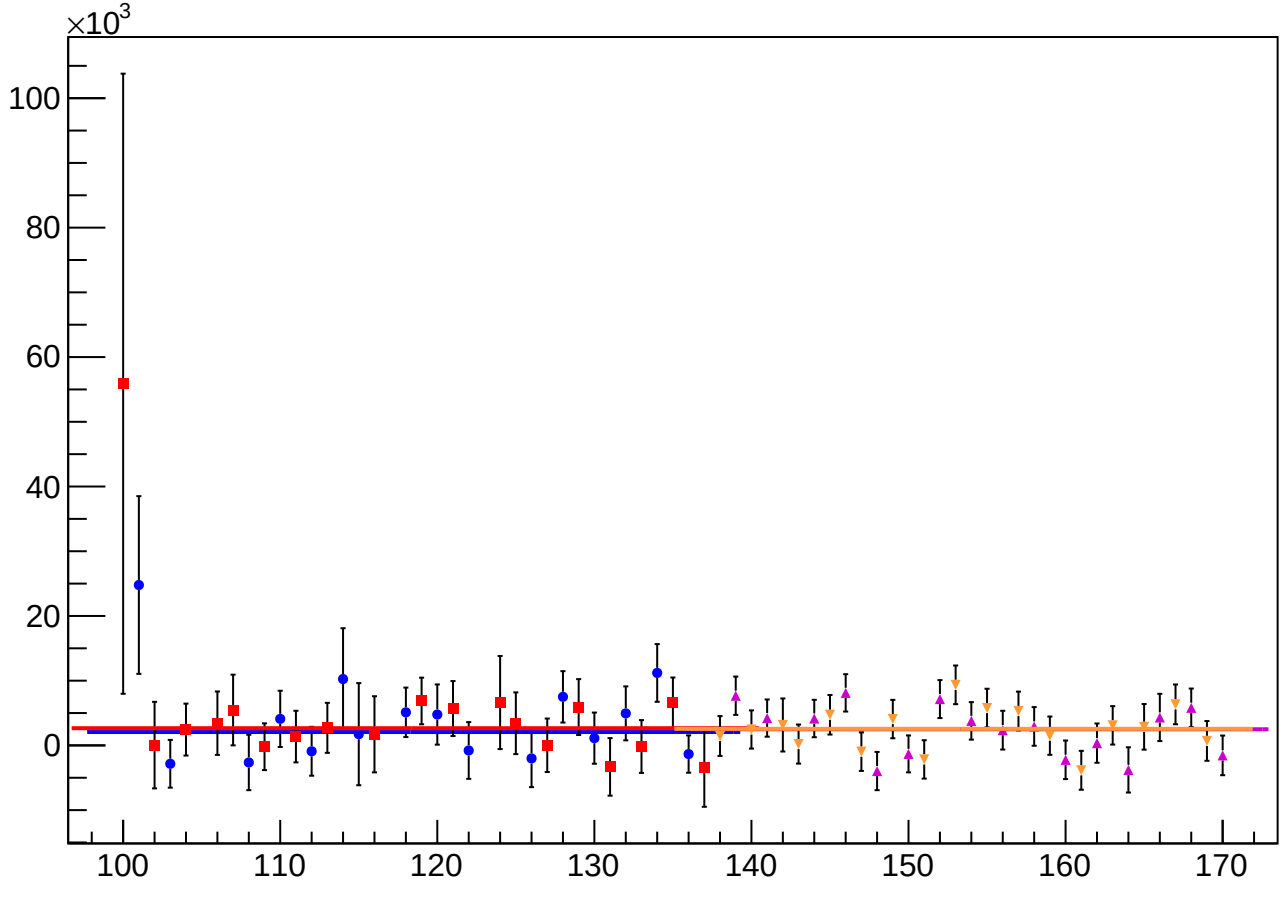
Left: 816.756+/-0.114 χ^2/NDF: 1952157.7/32

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 706.917+/-0.116 χ^2/NDF:3649702.3/31

Out: 682.710+/-0.112 χ^2/NDF:4054263.0/35

All: 694.349+/-0.081 χ^2/NDF: 7726523.4/67



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2560.906+/-744.574 χ^2/NDF:19.2/16

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2493.280+/-751.920 χ^2/NDF:26.3/15

Left: 2527.425+/-529.071 χ^2/NDF: 45.6/32

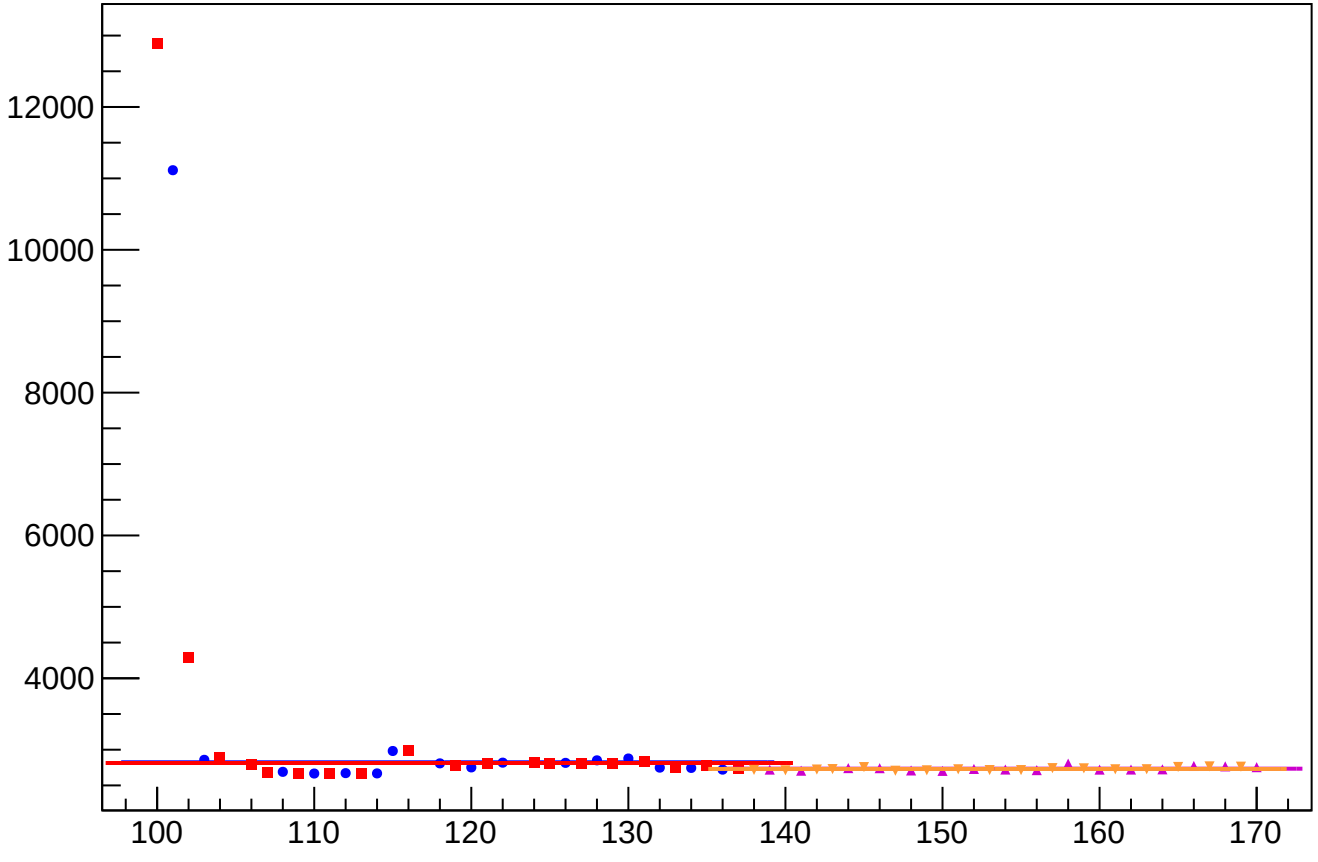
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2356.164+/-616.563 χ^2/NDF:44.3/31

Out: 2593.164+/-607.340 χ^2/NDF:29.2/35

All: 2476.450+/-432.678 χ^2/NDF: 73.6/67

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2730.401+/-0.526 χ^2/NDF:1280.9/16

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2734.025+/-0.532 χ^2/NDF:2520.4/15

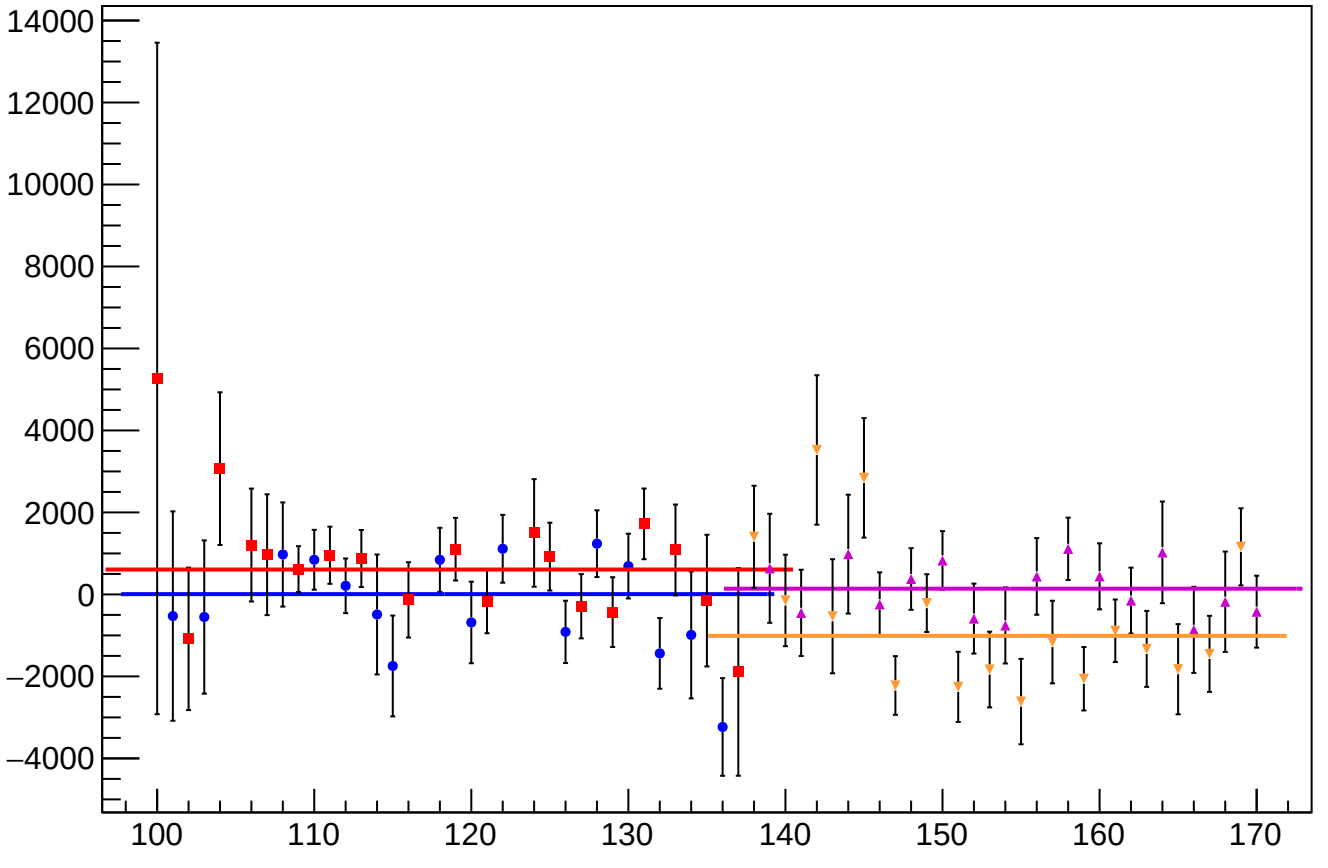
Left: 2732.195+/-0.374 χ^2/NDF: 3824.7/32

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.322+/-0.436 χ^2/NDF:755703.8/31

Out: 2758.318+/-0.429 χ^2/NDF:210194.0/35

All: 2760.782+/-0.306 χ^2/NDF: 965964.7/67



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1010.507+/-230.542 χ^2/NDF:35.2/16

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 139.935+/-227.391 χ^2/NDF:7.6/15

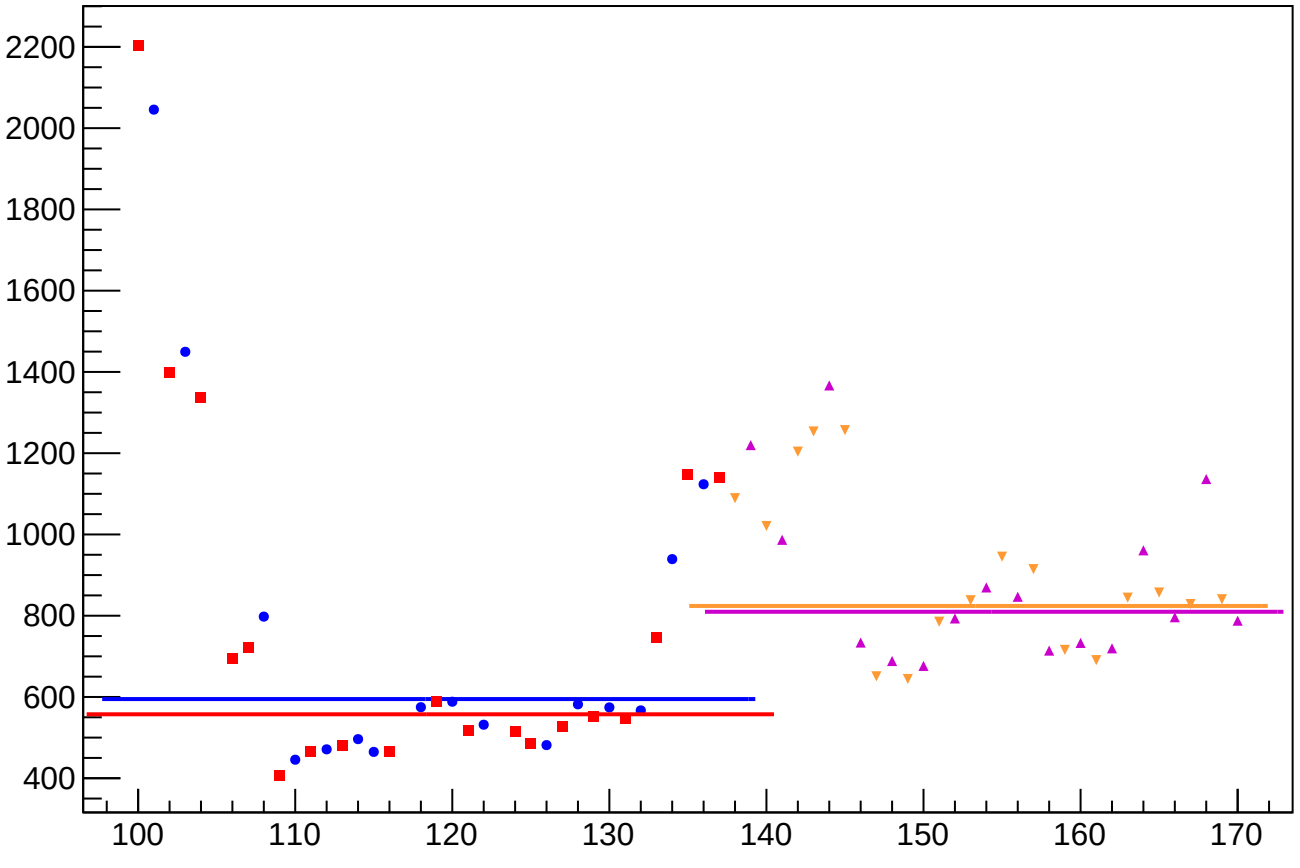
Left: -427.371+/-161.893 χ^2/NDF: 55.4/32

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 76.367+/-164.233 χ^2/NDF:30.6/31

Out: -152.858+/-158.049 χ^2/NDF:73.5/35

All: -42.642+/-113.881 χ^2/NDF: 105.1/67



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 824.030+/-0.163 χ^2/NDF:1005052.8/16

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 809.679+/-0.161 χ^2/NDF:943181.9/15

Left: 816.756+/-0.114 χ^2/NDF: 1952163.2/32

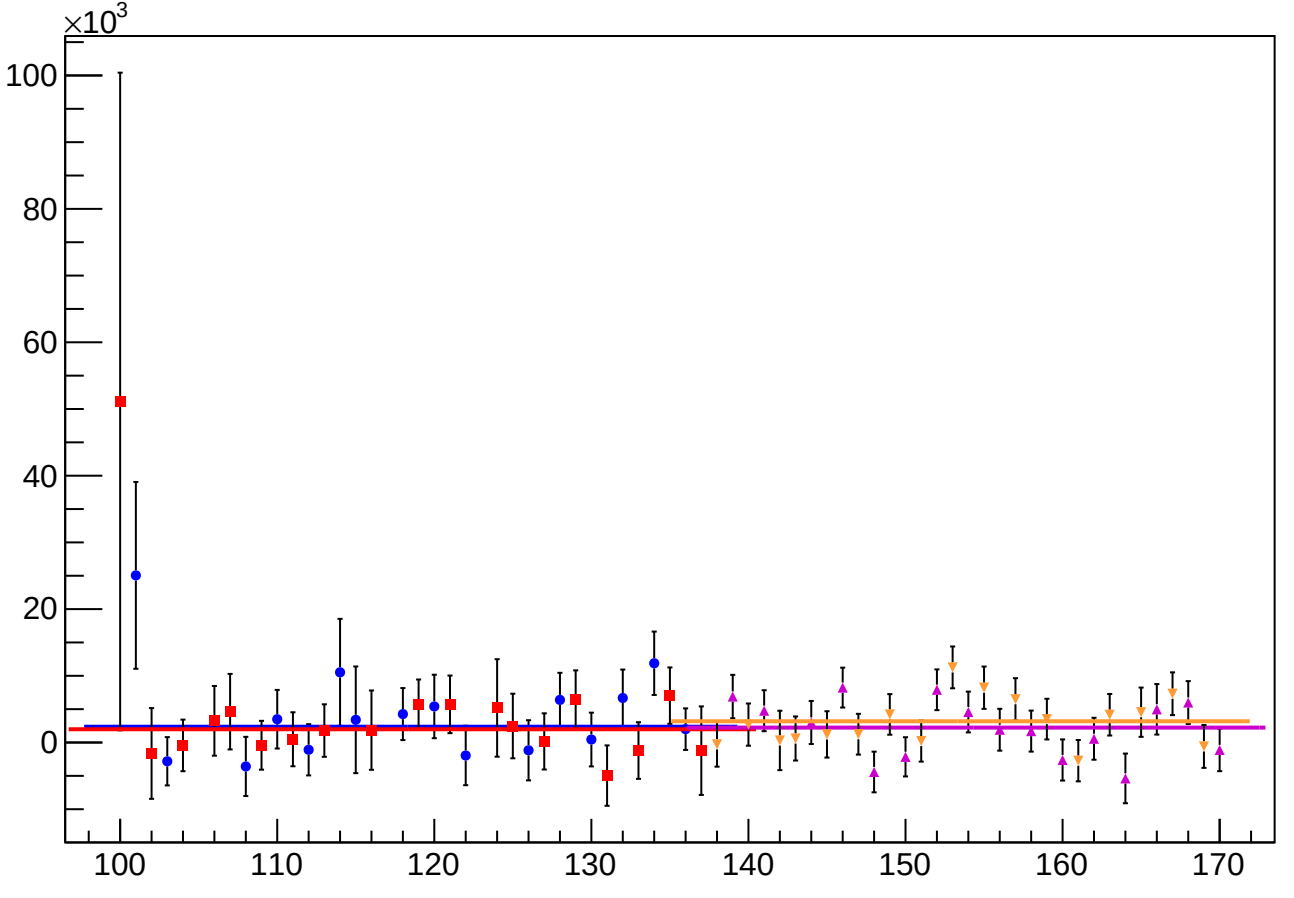
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 706.917+/-0.116 χ^2/NDF:3649696.3/31

Out: 682.710+/-0.112 χ^2/NDF:4054262.0/35

All: 694.349+/-0.081 χ^2/NDF: 7726516.5/67

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3186.349+/-786.172 χ^2/NDF:21.1/16

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2234.098+/-791.292 χ^2/NDF:27.8/15

Left: 2713.314+/-557.709 χ^2/NDF: 49.6/32

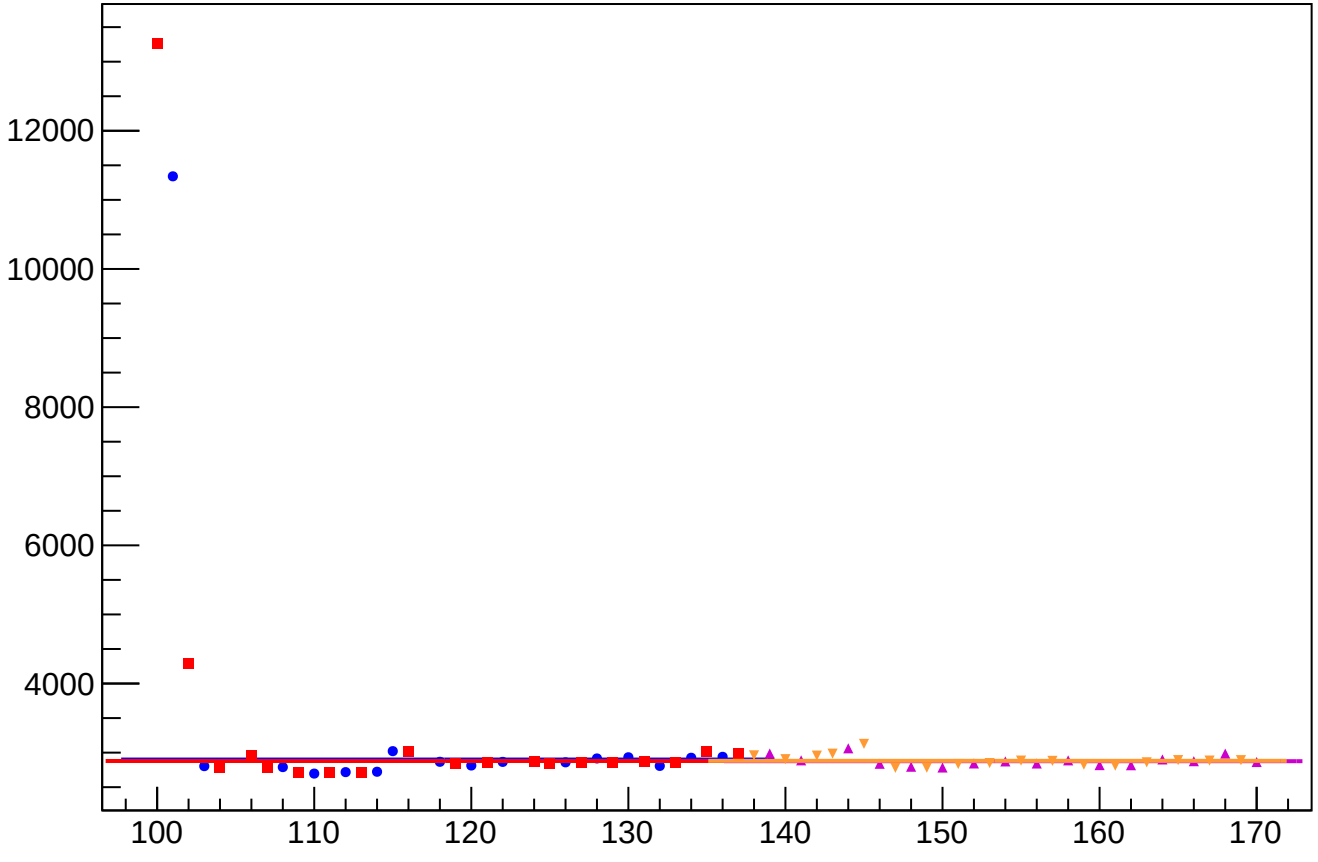
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2279.142+/-643.585 χ^2/NDF:44.7/31

Out: 2768.591+/-634.644 χ^2/NDF:32.2/35

All: 2527.290+/-451.889 χ^2/NDF: 77.1/67

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2881.442+/-0.556 χ^2/NDF:20553.2/16

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2876.151+/-0.560 χ^2/NDF:16980.3/15

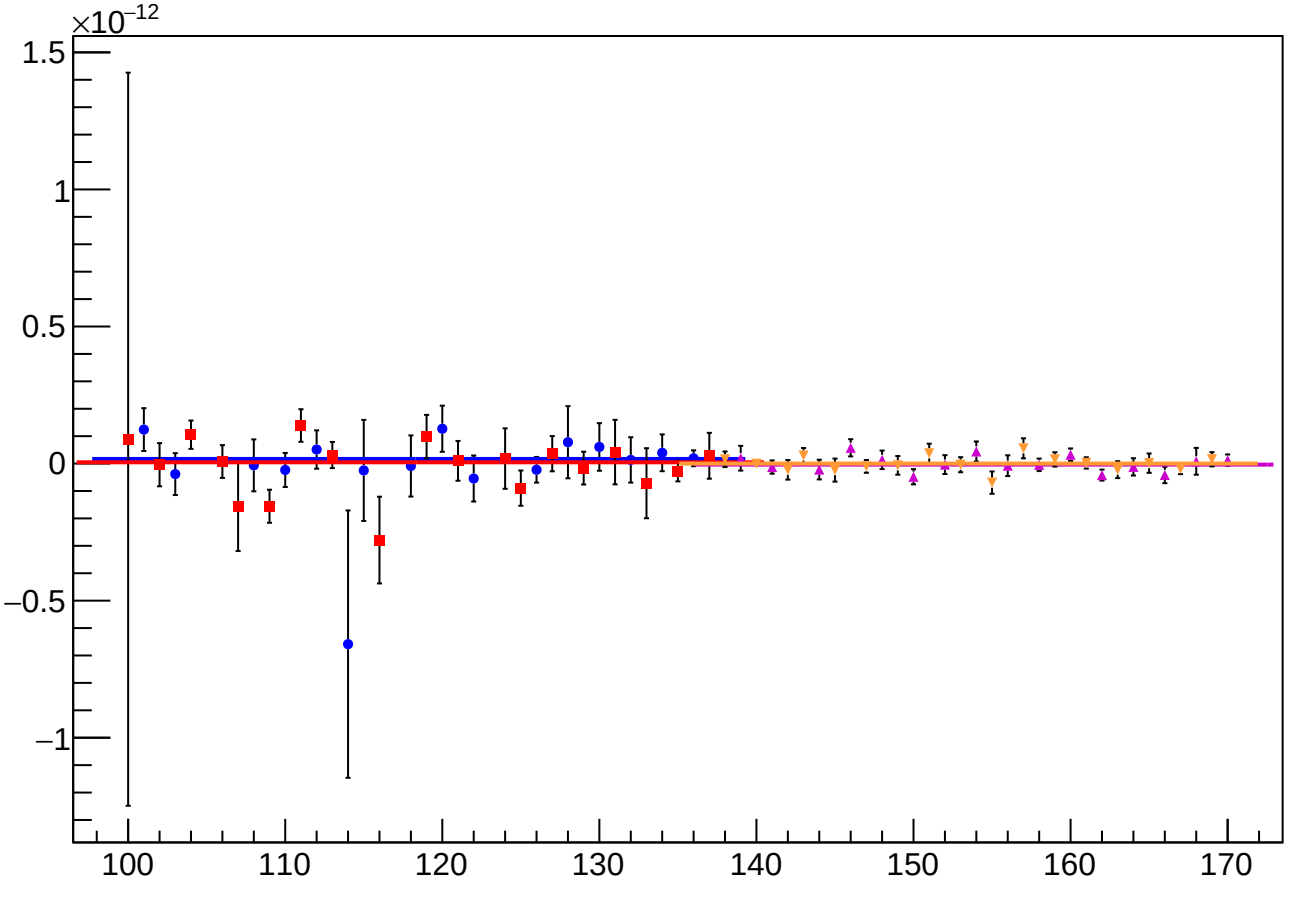
Left: 2878.814+/-0.394 χ^2/NDF: 37578.5/32

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2884.165+/-0.455 χ^2/NDF:759404.5/31

Out: 2880.576+/-0.449 χ^2/NDF:213842.6/35

All: 2882.346+/-0.320 χ^2/NDF: 973278.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/15

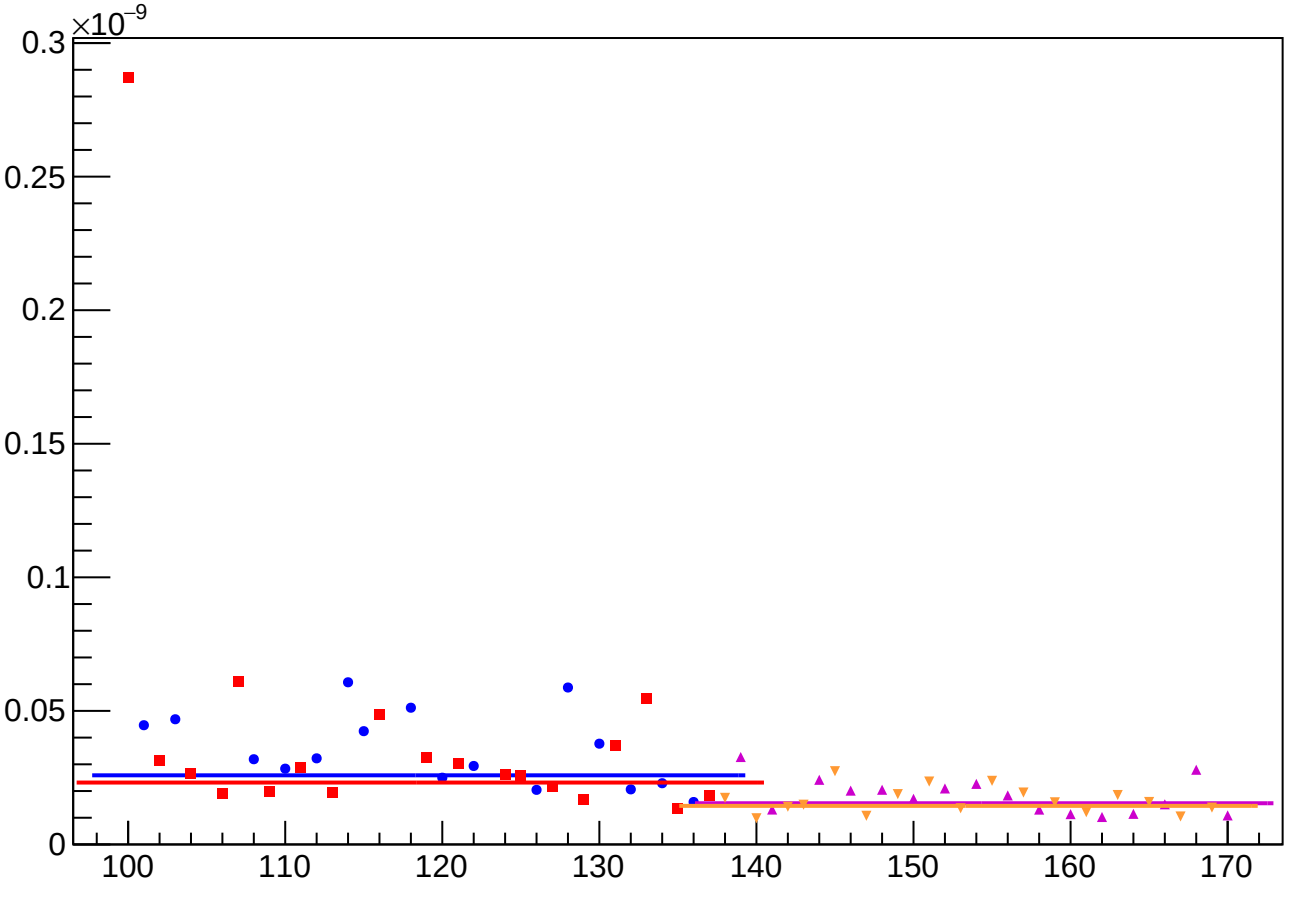
Left: -0.000+/-0.000 χ^2/NDF: 28.7/32

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:27.7/31

Out: 0.000+/-0.000 χ^2/NDF:36.9/35

All: 0.000+/-0.000 χ^2/NDF: 64.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:862861.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1150178.0/15

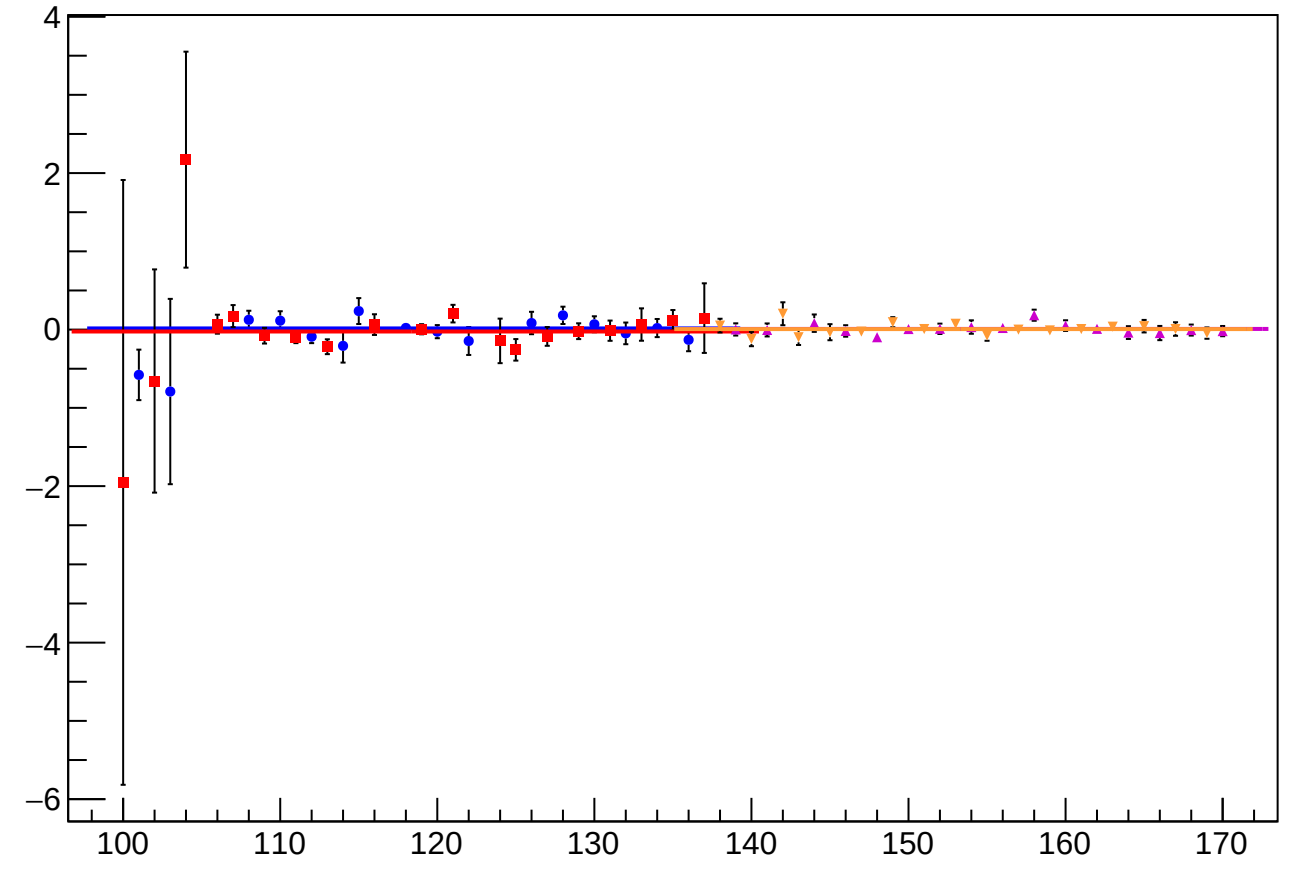
Left: 0.000+/-0.000 χ^2/NDF: 2033318.7/32

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2667582.8/31

Out: 0.000+/-0.000 χ^2/NDF:2077677.9/35

All: 0.000+/-0.000 χ^2/NDF: 4784347.3/67



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.007+/-0.017 χ^2/NDF:11.3/16

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.009+/-0.018 χ^2/NDF:10.9/15

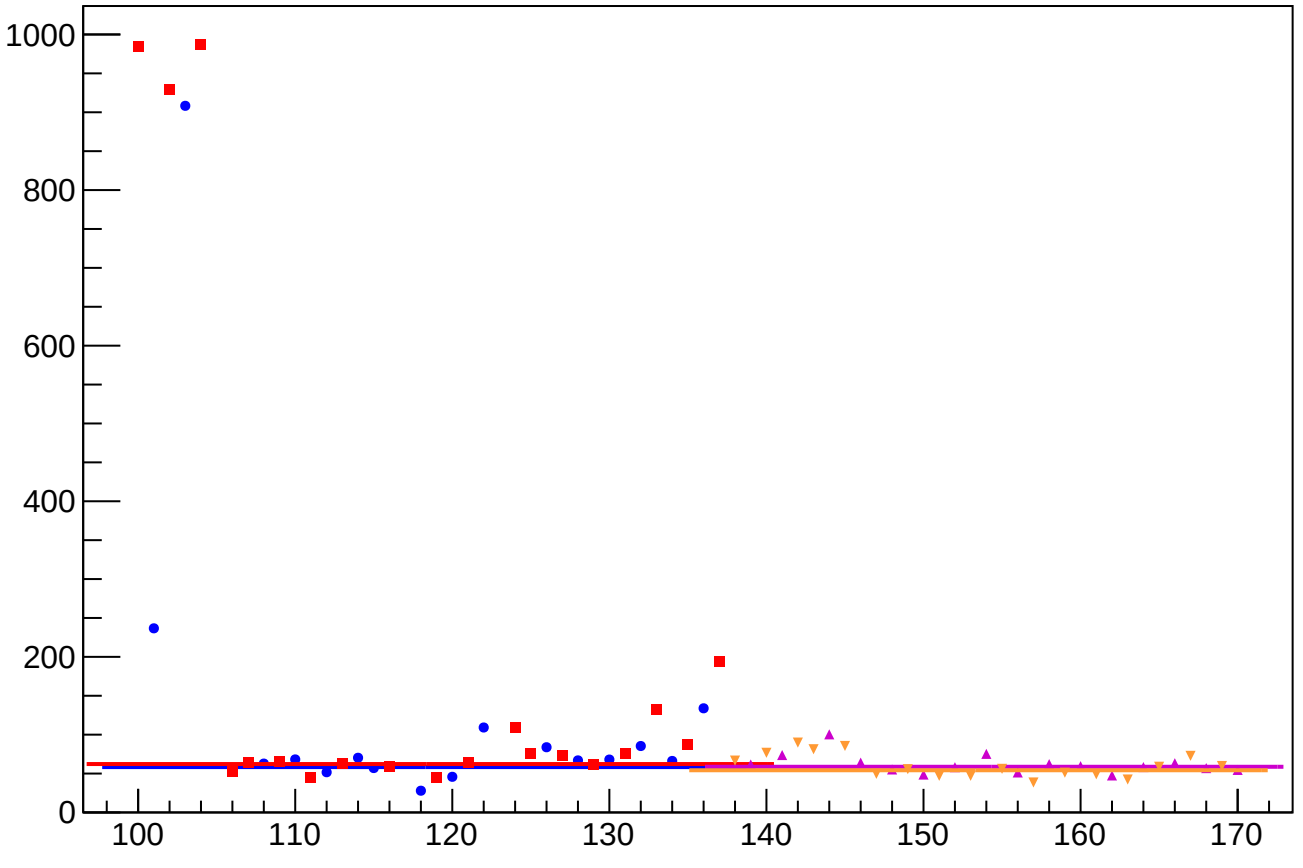
Left: 0.008+/-0.012 χ^2/NDF: 22.2/32

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: -0.002+/-0.014 χ^2/NDF:33.0/35

All: 0.004+/-0.010 χ^2/NDF: 59.3/67



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.238+/-0.012 χ^2/NDF:1057430.3/16

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.720+/-0.013 χ^2/NDF:624563.3/15

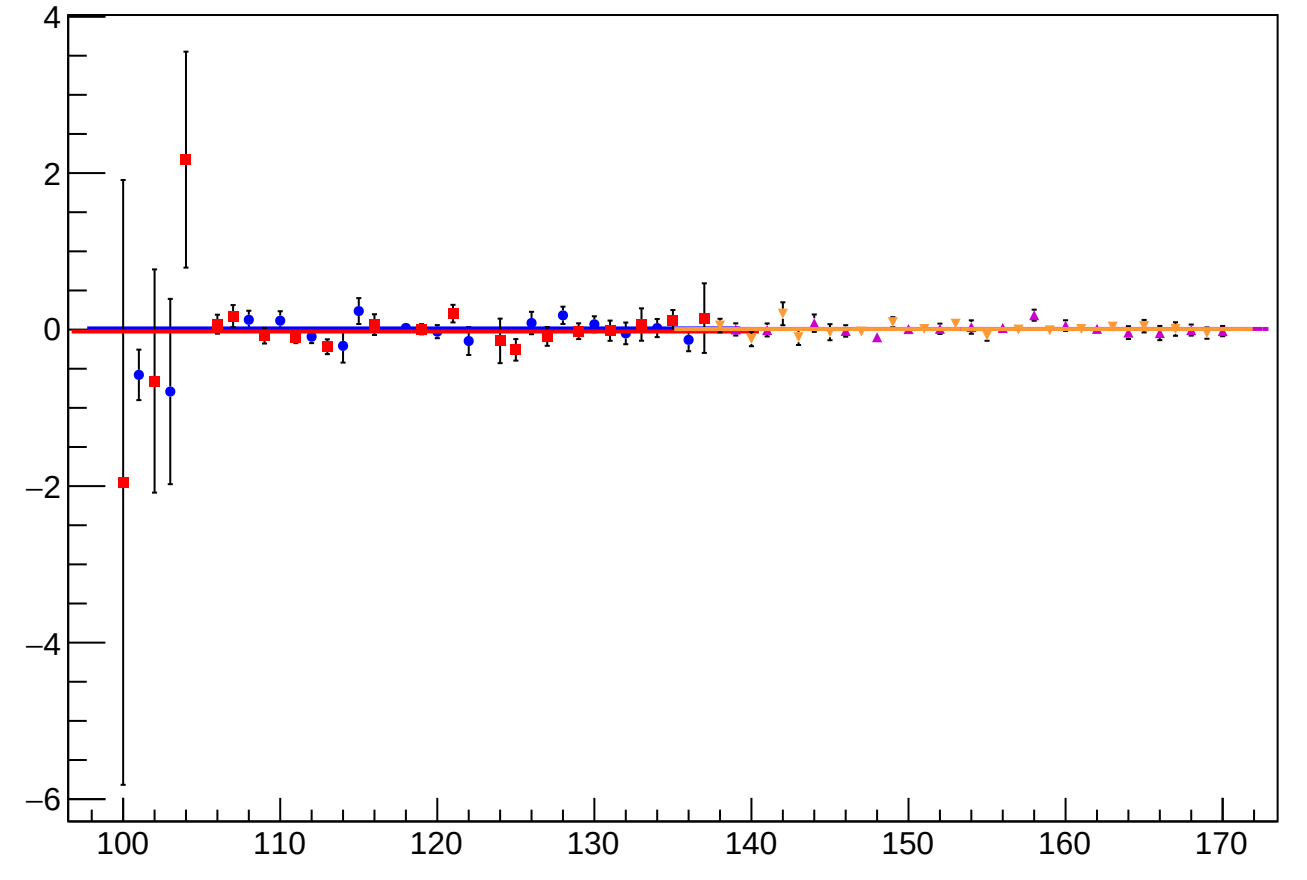
Left: 56.370+/-0.009 χ^2/NDF: 1749070.6/32

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.602+/-0.011 χ^2/NDF:3885271.7/31

Out: 56.366+/-0.010 χ^2/NDF:3803958.8/35

All: 57.447+/-0.007 χ^2/NDF: 7712355.9/67



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.007+/-0.017 χ^2/NDF:11.3/16

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.009+/-0.018 χ^2/NDF:10.9/15

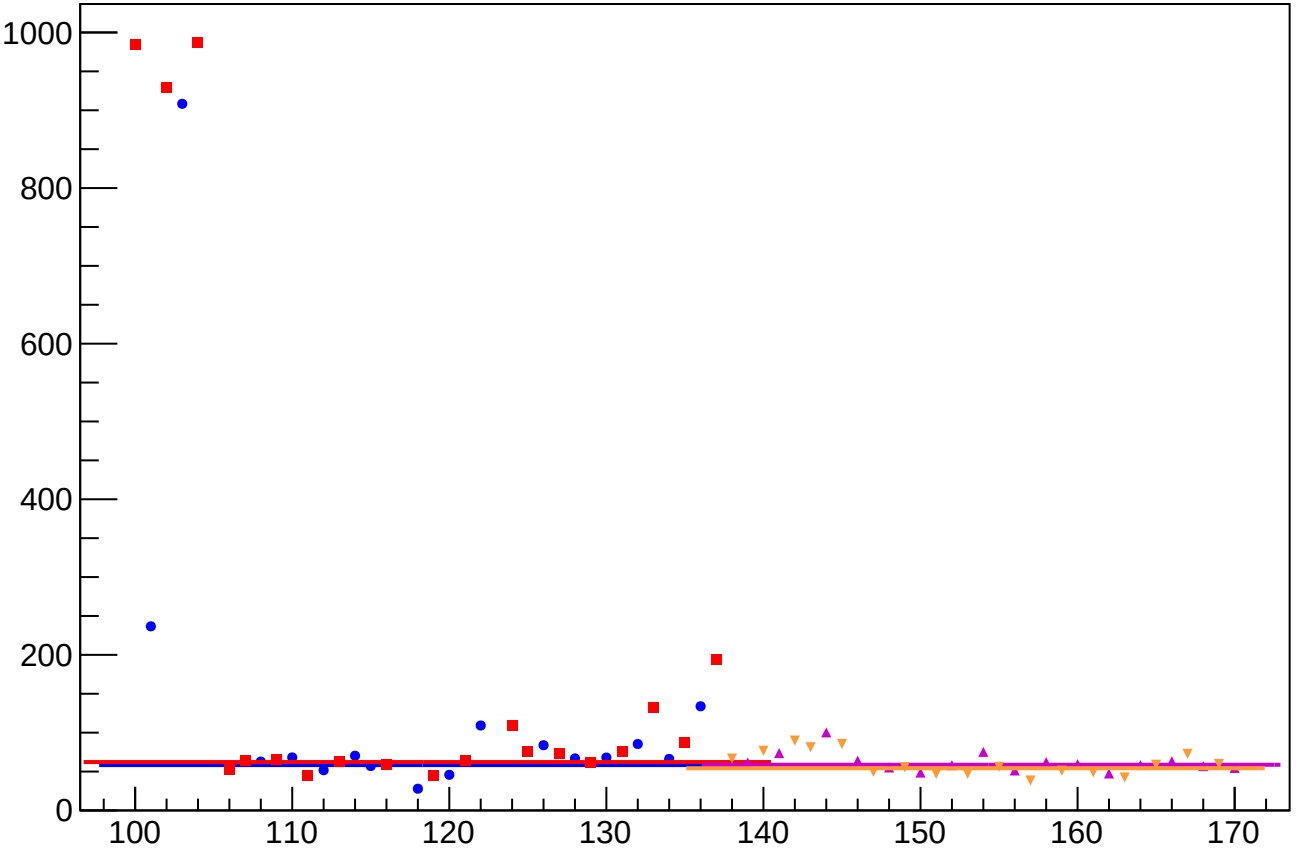
Left: 0.008+/-0.012 χ^2/NDF: 22.2/32

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: -0.002+/-0.014 χ^2/NDF:33.0/35

All: 0.004+/-0.010 χ^2/NDF: 59.3/67



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.238+/-0.012 χ^2/NDF:1057430.3/16

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.720+/-0.013 χ^2/NDF:624563.3/15

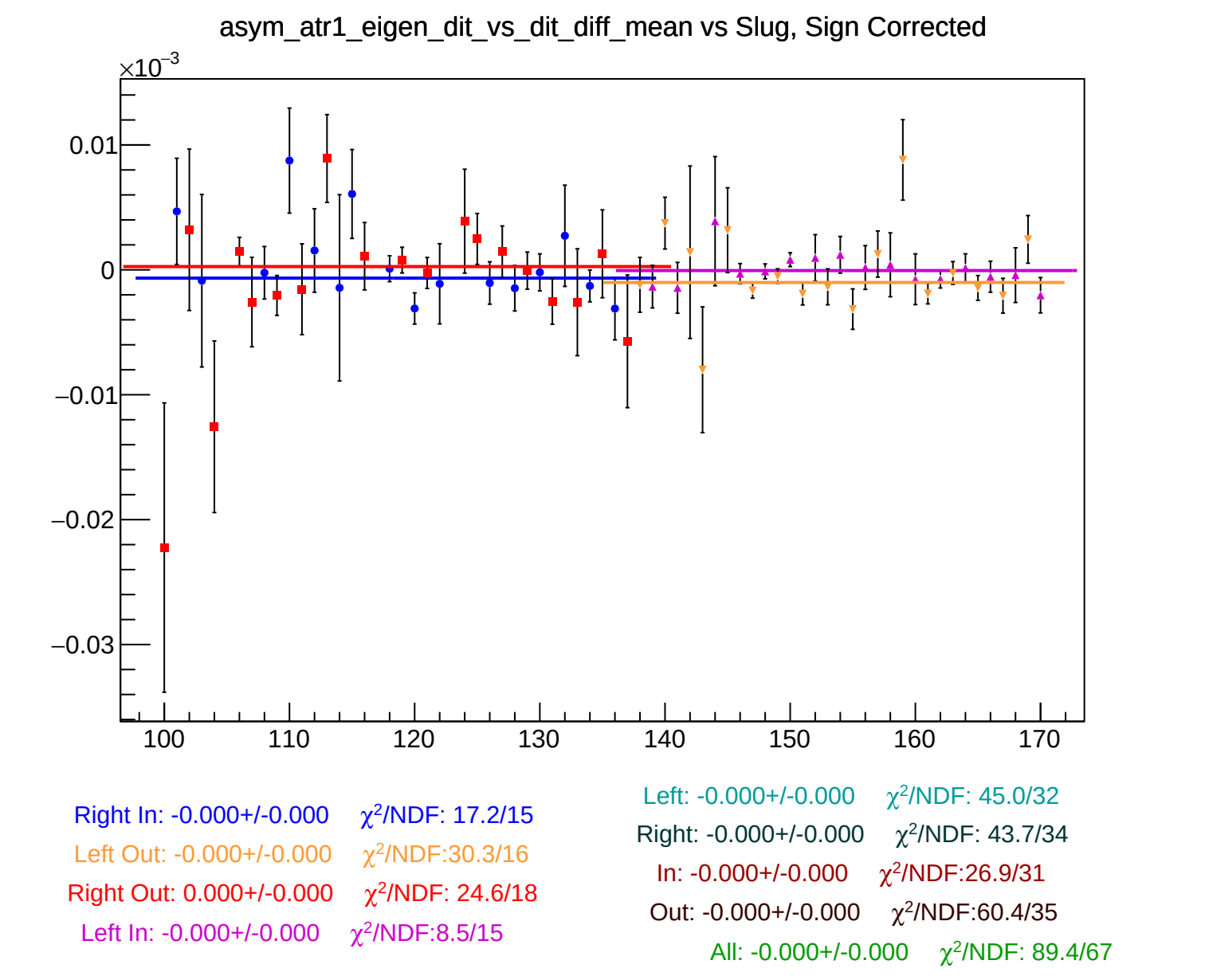
Left: 56.370+/-0.009 χ^2/NDF: 1749070.6/32

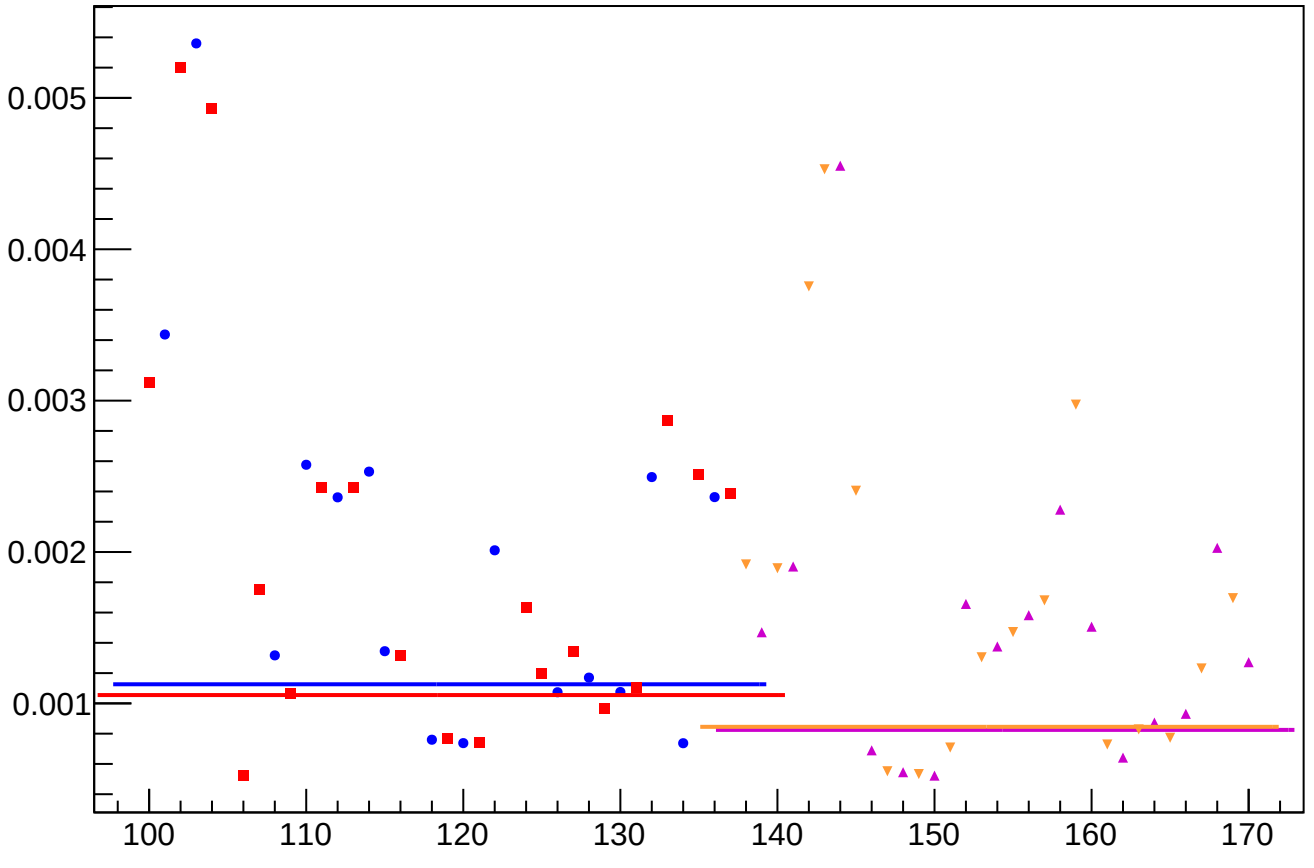
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.602+/-0.011 χ^2/NDF:3885271.7/31

Out: 56.366+/-0.010 χ^2/NDF:3803958.8/35

All: 57.447+/-0.007 χ^2/NDF: 7712355.9/67


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:30.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 24.6/18
Left In: -0.000+/-0.000 χ²/NDF:8.5/15
Left: -0.000+/-0.000 χ²/NDF: 45.0/32
Right: -0.000+/-0.000 χ²/NDF: 43.7/34
In: -0.000+/-0.000 χ²/NDF:26.9/31
Out: -0.000+/-0.000 χ²/NDF:60.4/35
All: -0.000+/-0.000 χ²/NDF: 89.4/67



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6313885.6/16

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5868200.6/15

Left: 0.001+/-0.000 χ^2/NDF: 12187636.5/32

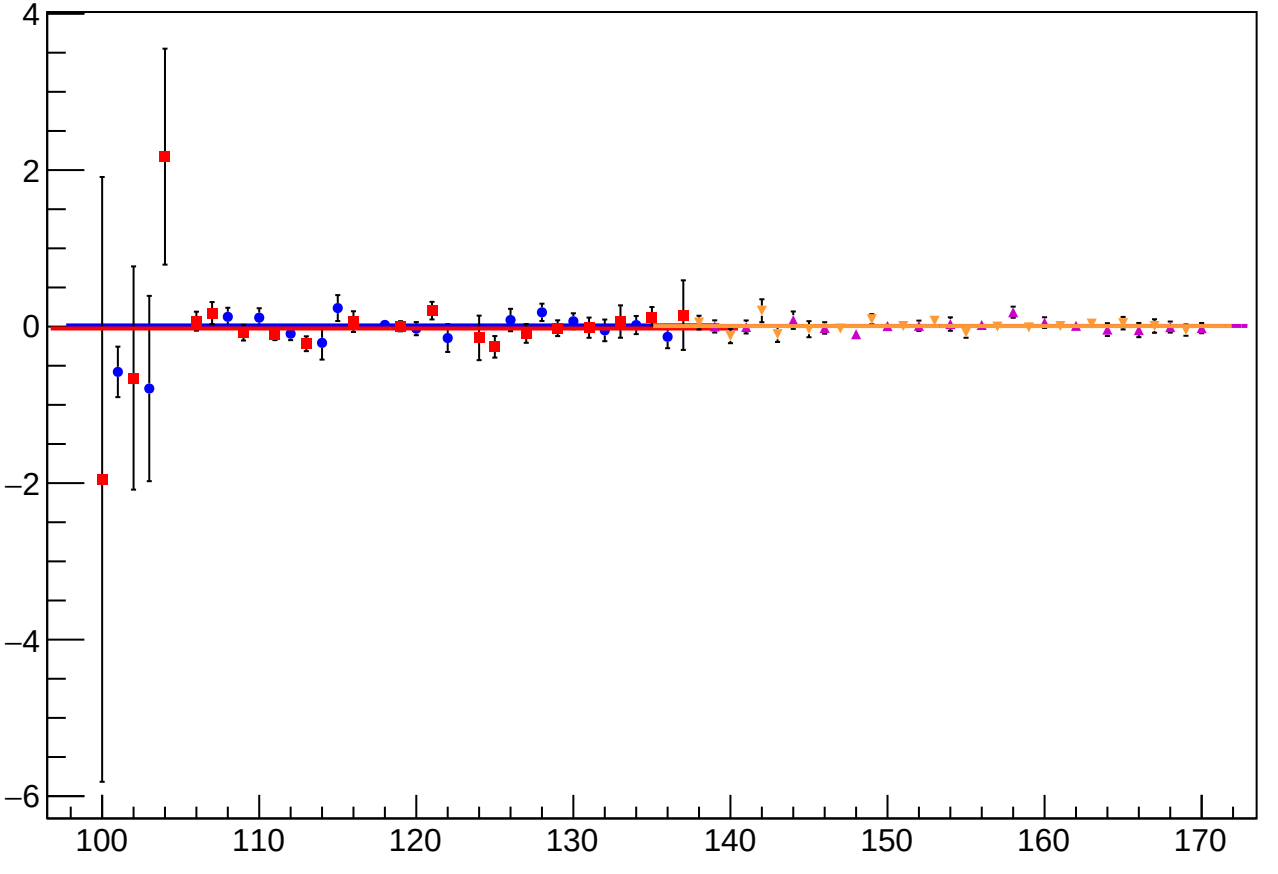
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9902394.8/31

Out: 0.001+/-0.000 χ^2/NDF:10464557.2/35

All: 0.001+/-0.000 χ^2/NDF: 20367369.1/67

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.007+/-0.017 χ^2/NDF:11.3/16

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.009+/-0.018 χ^2/NDF:10.9/15

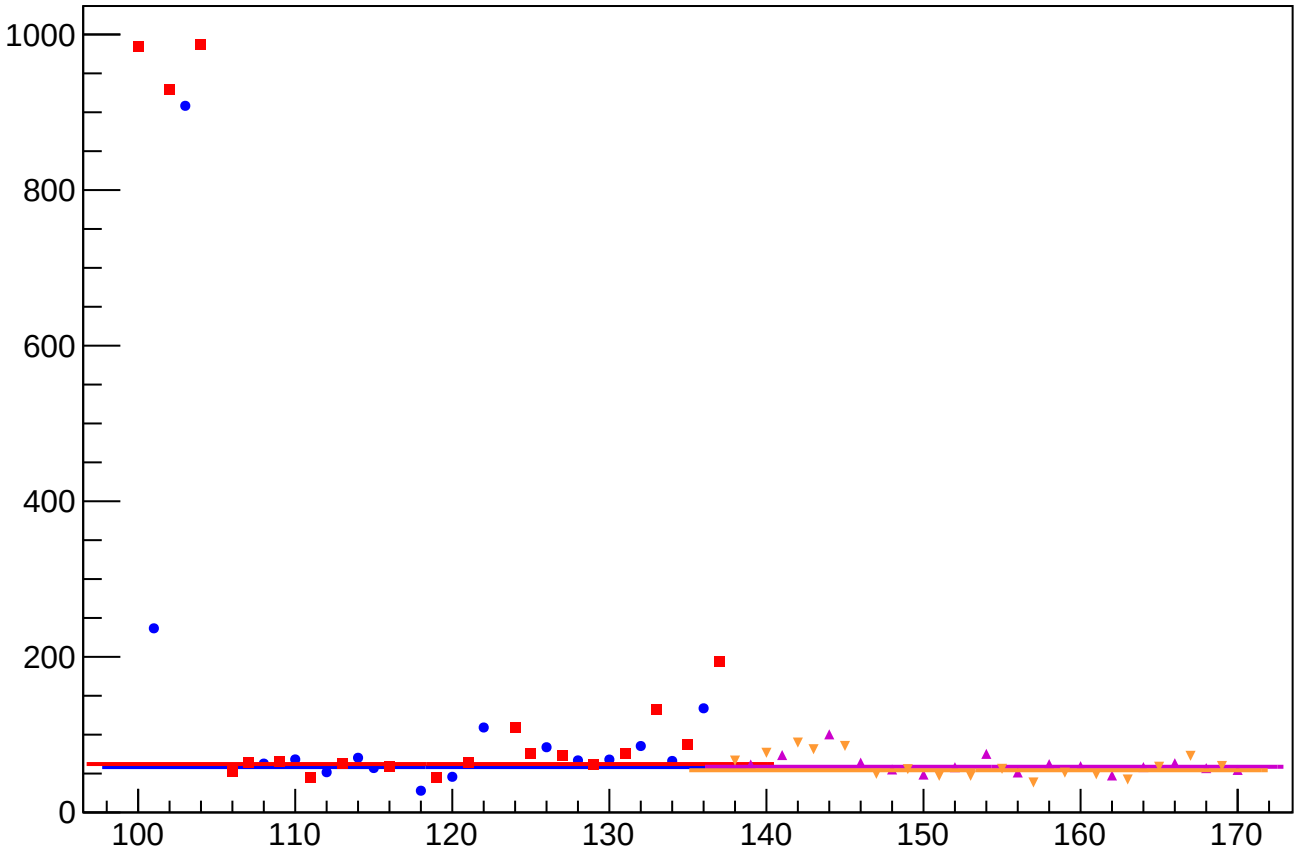
Left: 0.008+/-0.012 χ^2/NDF: 22.2/32

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: -0.002+/-0.014 χ^2/NDF:33.0/35

All: 0.004+/-0.010 χ^2/NDF: 59.3/67



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.238+/-0.012 χ^2/NDF:1057501.8/16

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.720+/-0.013 χ^2/NDF:624586.3/15

Left: 56.369+/-0.009 χ^2/NDF: 1749184.3/32

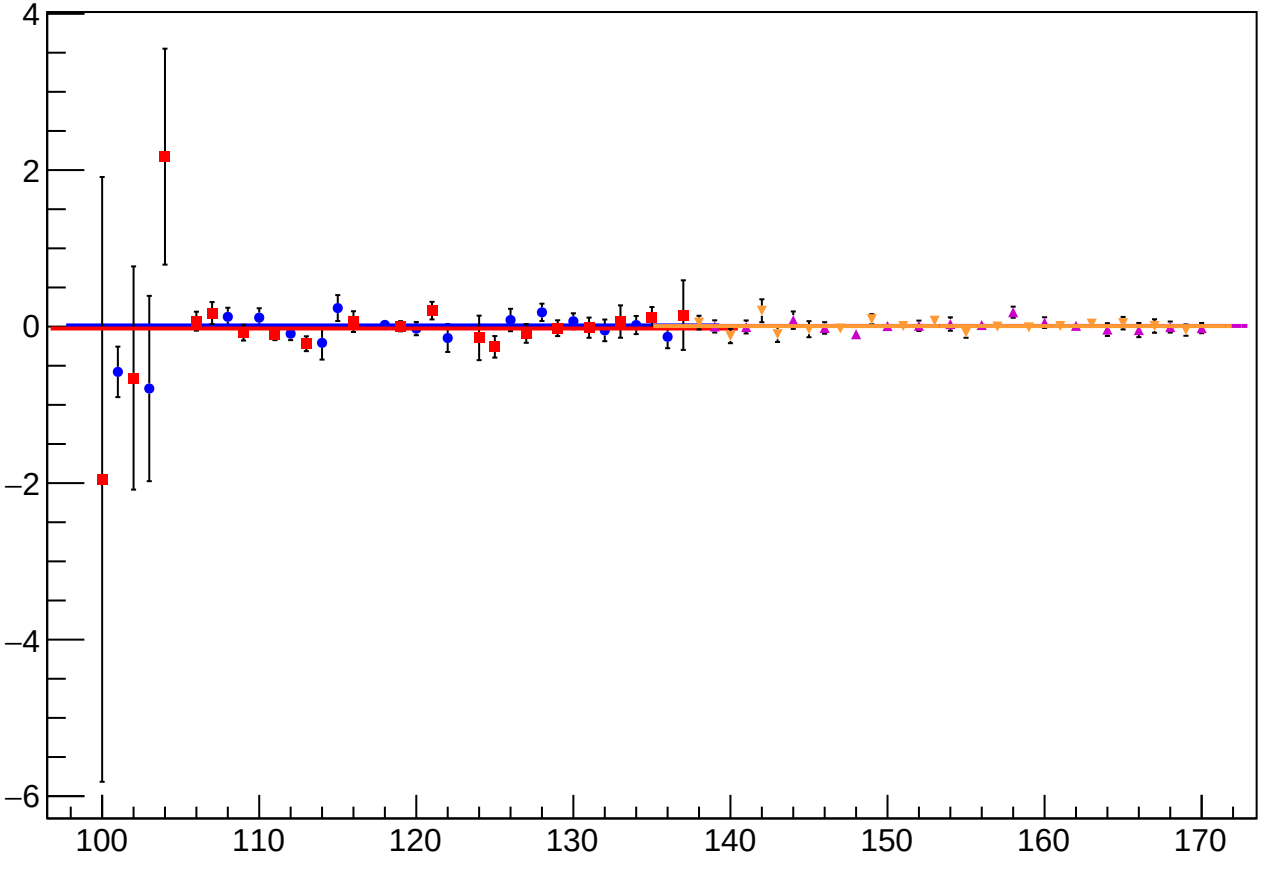
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.602+/-0.011 χ^2/NDF:3885375.9/31

Out: 56.366+/-0.010 χ^2/NDF:3804035.9/35

All: 57.447+/-0.007 χ^2/NDF: 7712543.0/67

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.007+/-0.017 χ^2/NDF:11.3/16

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.009+/-0.018 χ^2/NDF:10.9/15

Left: 0.008+/-0.012 χ^2/NDF: 22.2/32

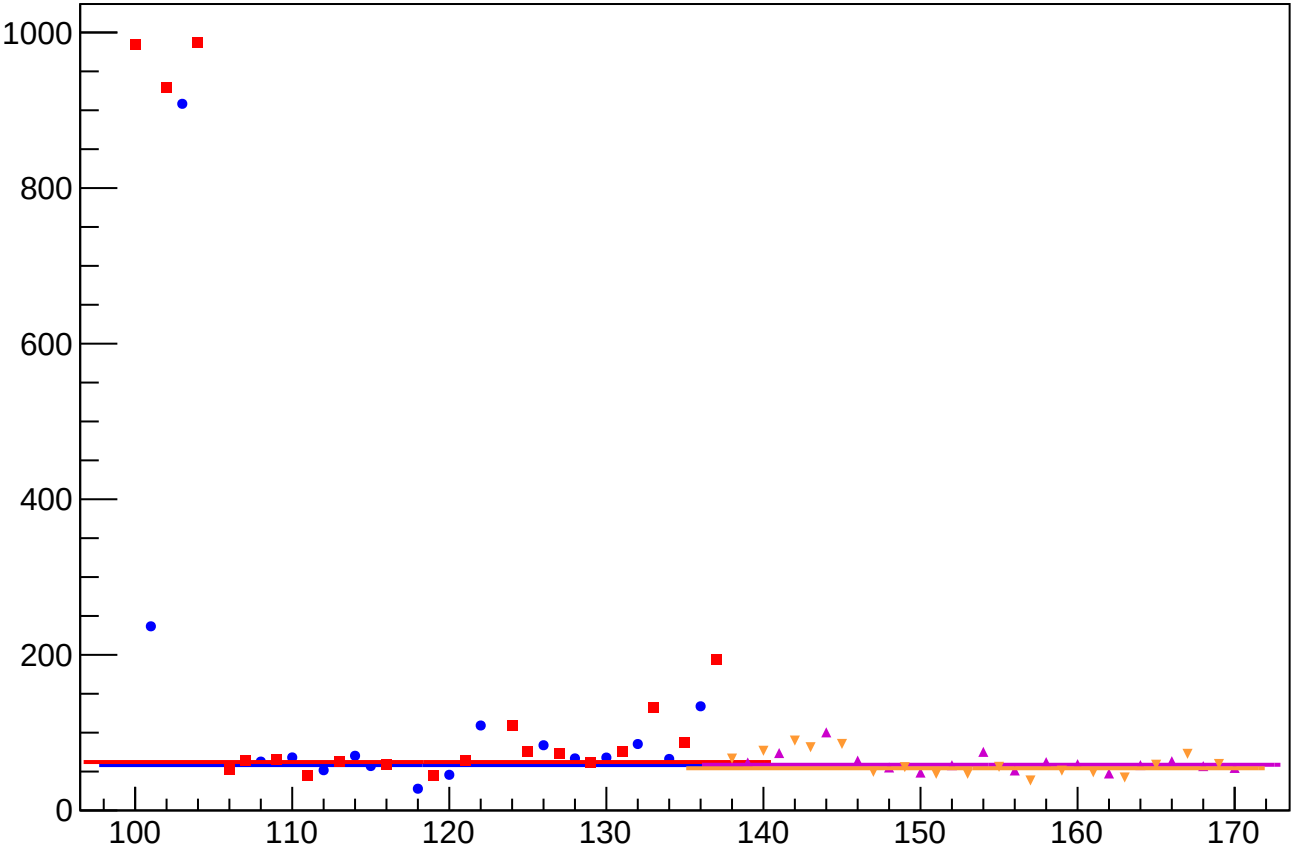
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: -0.002+/-0.014 χ^2/NDF:33.0/35

All: 0.004+/-0.010 χ^2/NDF: 59.3/67

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.238+/-0.012 χ^2/NDF:1057501.8/16

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.720+/-0.013 χ^2/NDF:624586.3/15

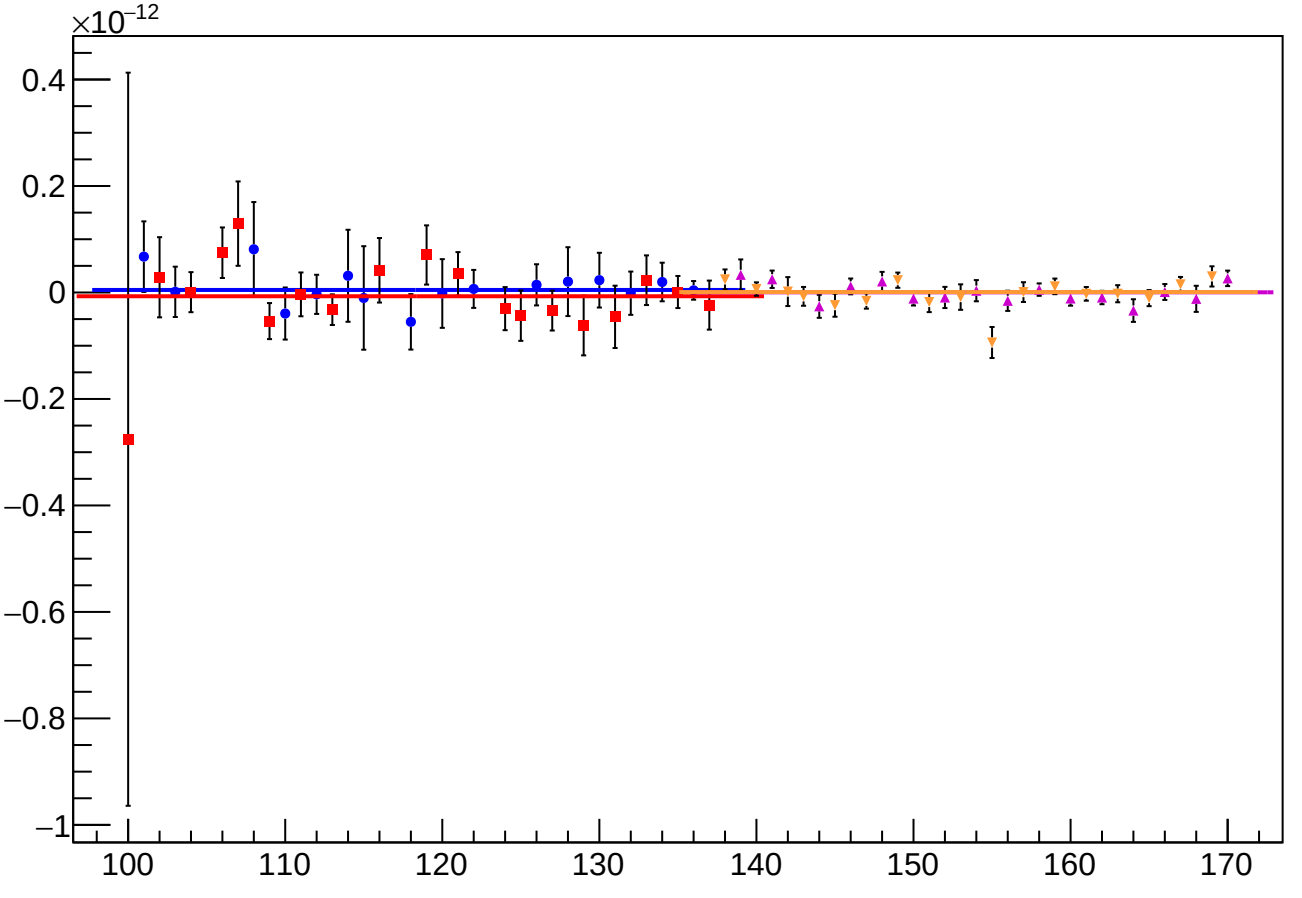
Left: 56.369+/-0.009 χ^2/NDF: 1749184.3/32

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.602+/-0.011 χ^2/NDF:3885375.9/31

Out: 56.366+/-0.010 χ^2/NDF:3804035.9/35

All: 57.447+/-0.007 χ^2/NDF: 7712543.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/15

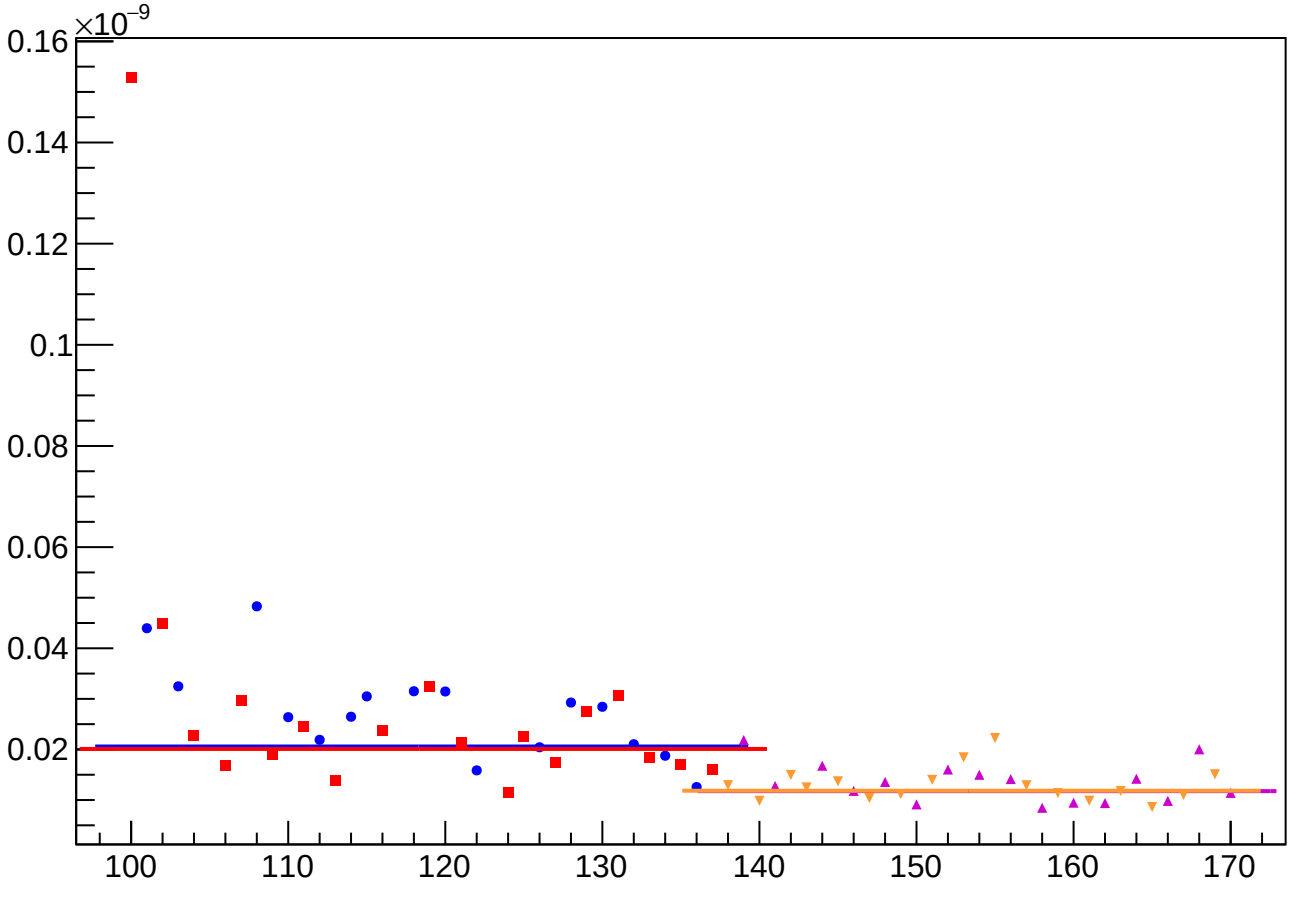
Left: 0.000+/-0.000 χ^2/NDF: 39.7/32

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:20.9/31

Out: -0.000+/-0.000 χ^2/NDF:40.1/35

All: 0.000+/-0.000 χ^2/NDF: 61.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:771534.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1214005.8/15

Left: 0.000+/-0.000 χ^2/NDF: 1985931.0/32

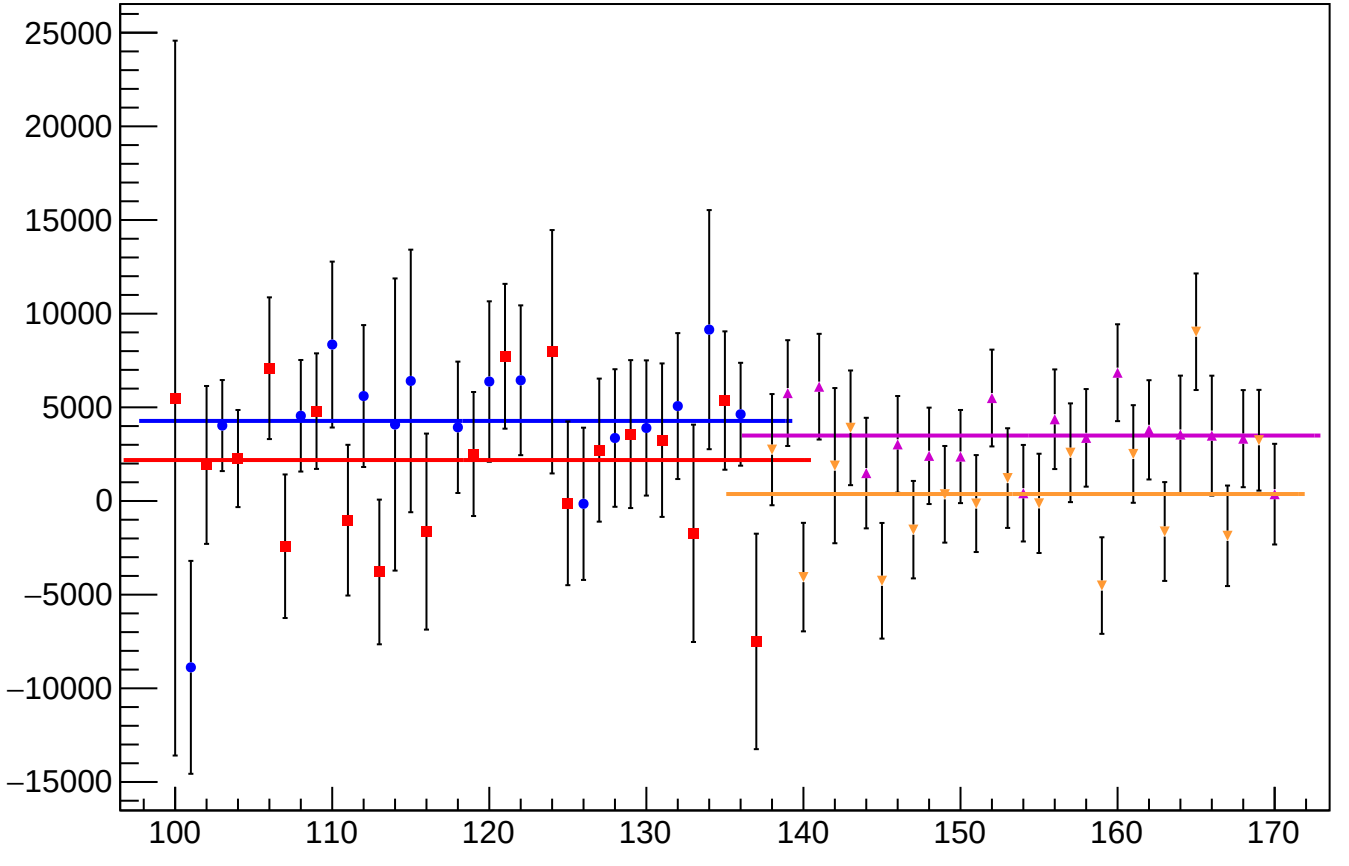
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3813485.1/31

Out: 0.000+/-0.000 χ^2/NDF:2732267.7/35

All: 0.000+/-0.000 χ^2/NDF: 6545802.7/67

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 372.586+/-674.243 χ^2/NDF:22.5/16

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3493.944+/-674.833 χ^2/NDF:7.6/15

Left: 1931.901+/-476.970 χ^2/NDF: 40.8/32

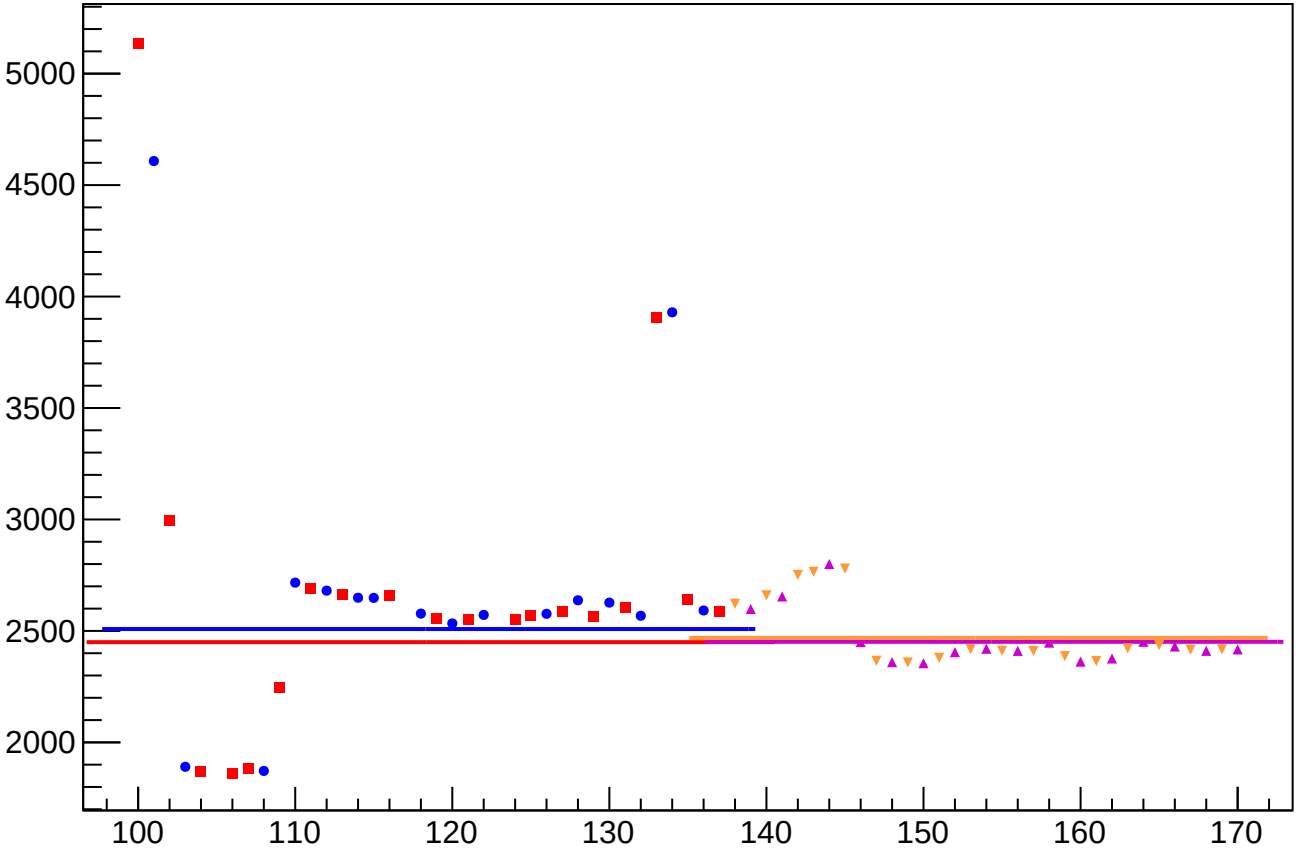
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3754.968+/-550.535 χ^2/NDF:16.9/31

Out: 1004.449+/-544.266 χ^2/NDF:39.9/35

All: 2363.959+/-387.052 χ^2/NDF: 69.4/67

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2468.556+/-0.477 χ^2/NDF:81815.7/16

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

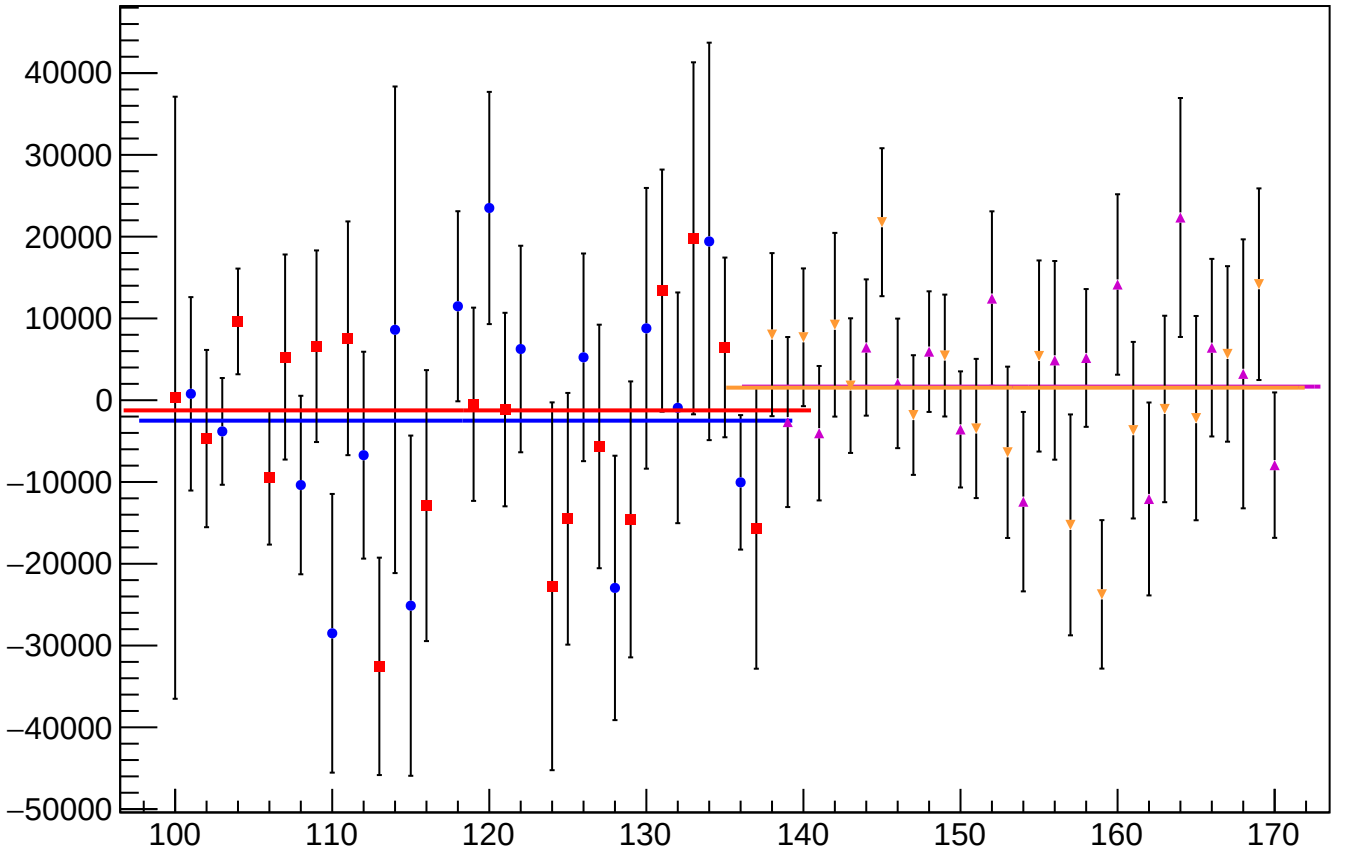
Left: 2459.870+/-0.337 χ^2/NDF: 138040.7/32

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2470.332+/-0.389 χ^2/NDF:671972.5/31

Out: 2461.960+/-0.385 χ^2/NDF:519266.1/35

All: 2466.098+/-0.274 χ^2/NDF: 1191472.5/67



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1536.167+/-2342.485 χ^2/NDF:18.9/16

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1661.961+/-2387.139 χ^2/NDF:10.8/15

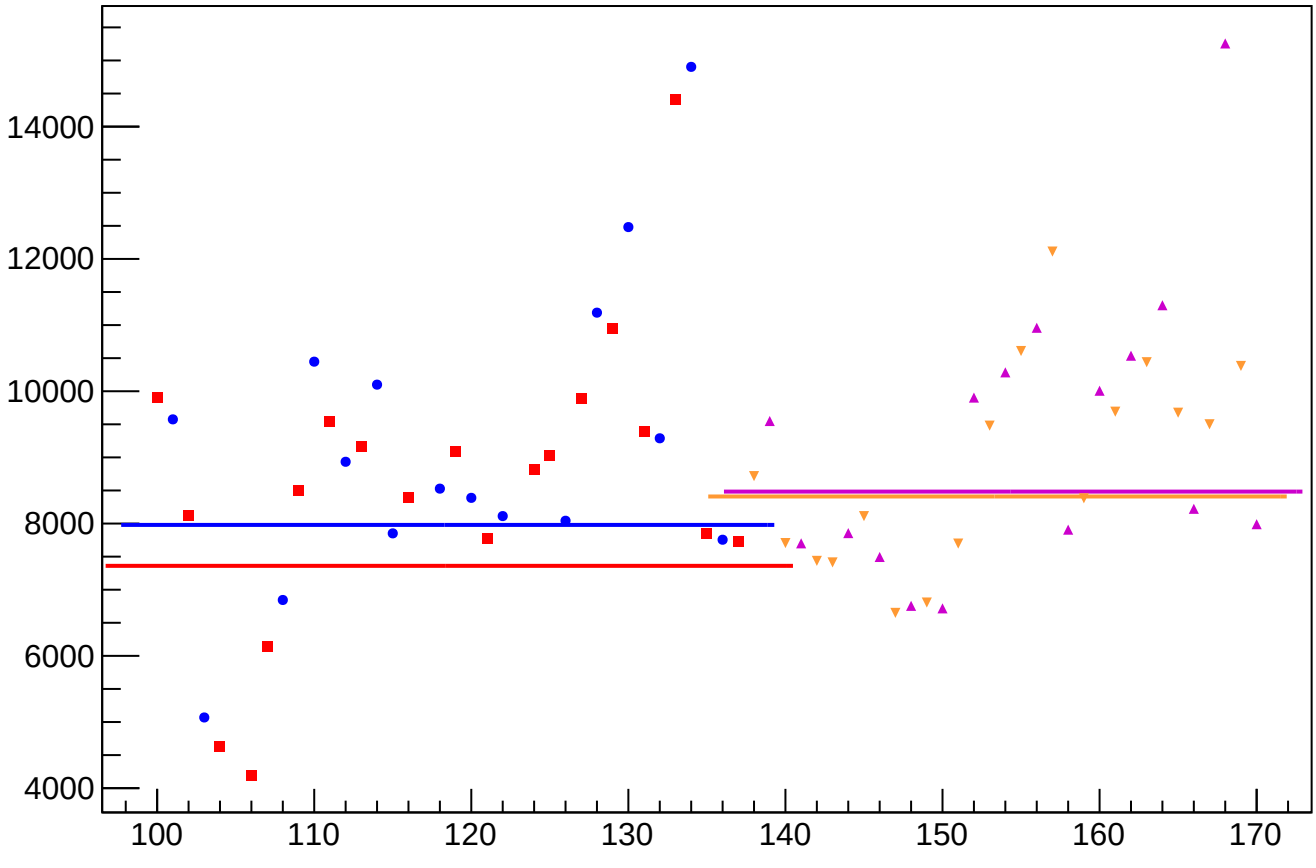
Left: 1597.877+/-1671.951 χ^2/NDF: 29.7/32

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: 97.067+/-1885.772 χ^2/NDF:25.7/31

Out: 416.390+/-1810.360 χ^2/NDF:36.1/35

All: 263.241+/-1305.964 χ^2/NDF: 61.8/67



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8409.102+/-1.656 χ^2/NDF:716095.0/16

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8483.102+/-1.688 χ^2/NDF:1016581.3/15

Left: 8445.403+/-1.182 χ^2/NDF: 1733655.4/32

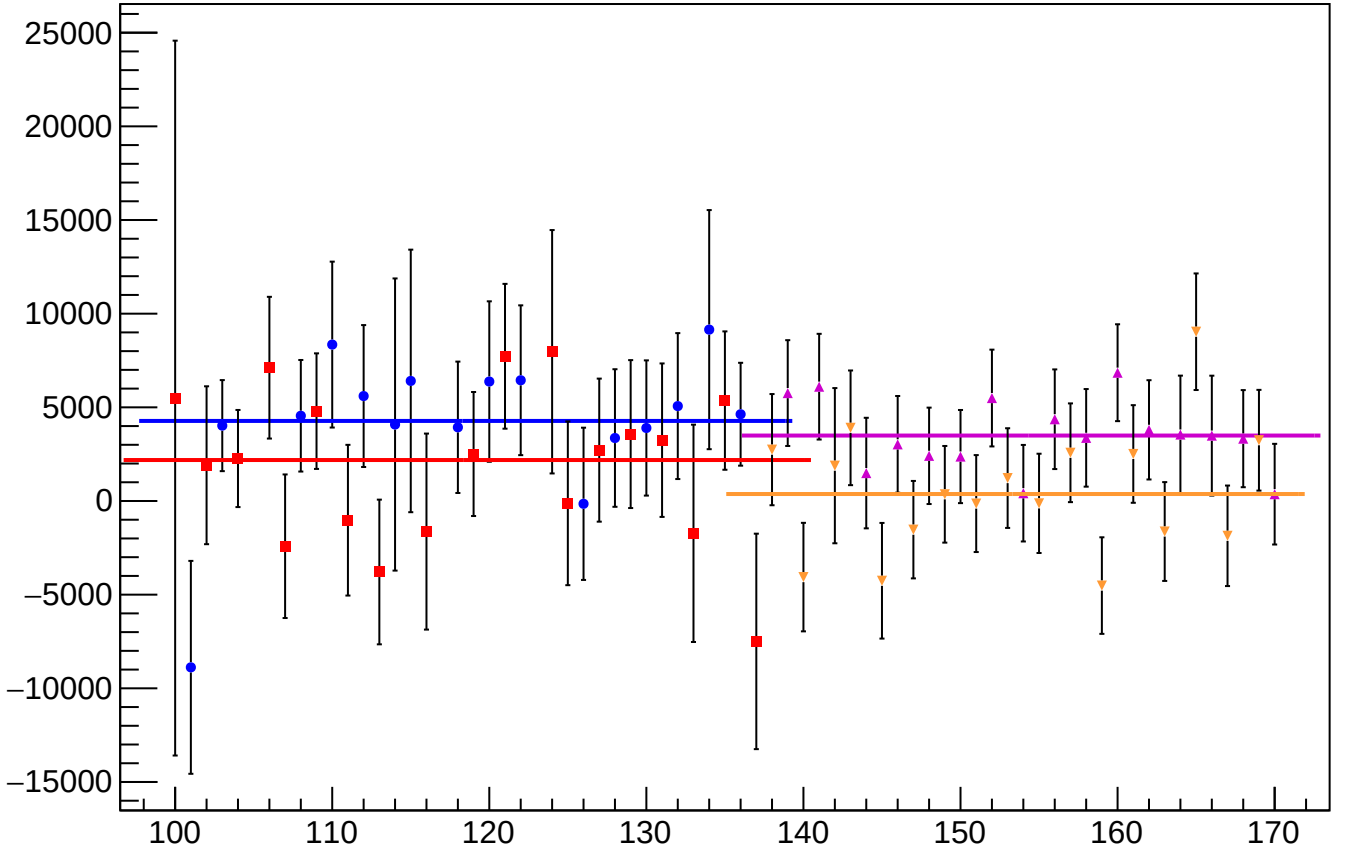
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8293.771+/-1.333 χ^2/NDF:1973130.4/31

Out: 7986.904+/-1.280 χ^2/NDF:2163429.2/35

All: 8134.079+/-0.923 χ^2/NDF: 4164120.0/67

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 372.333+/-674.243 χ^2/NDF:22.5/16

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3493.854+/-674.833 χ^2/NDF:7.6/15

Left: 1931.730+/-476.970 χ^2/NDF: 40.8/32

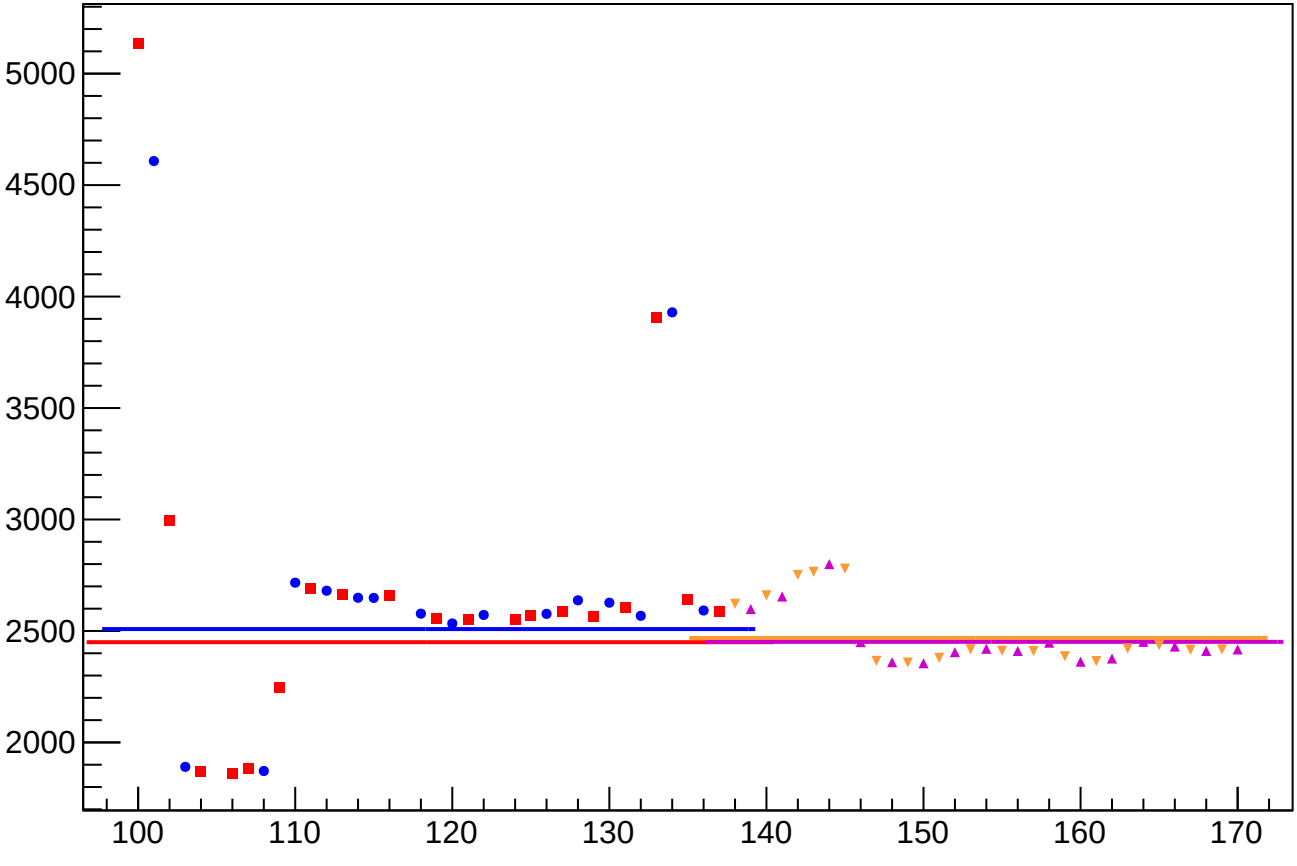
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3754.744+/-550.535 χ^2/NDF:16.9/31

Out: 1004.495+/-544.268 χ^2/NDF:39.9/35

All: 2363.875+/-387.052 χ^2/NDF: 69.4/67

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2468.556+/-0.477 χ^2/NDF:81815.7/16

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

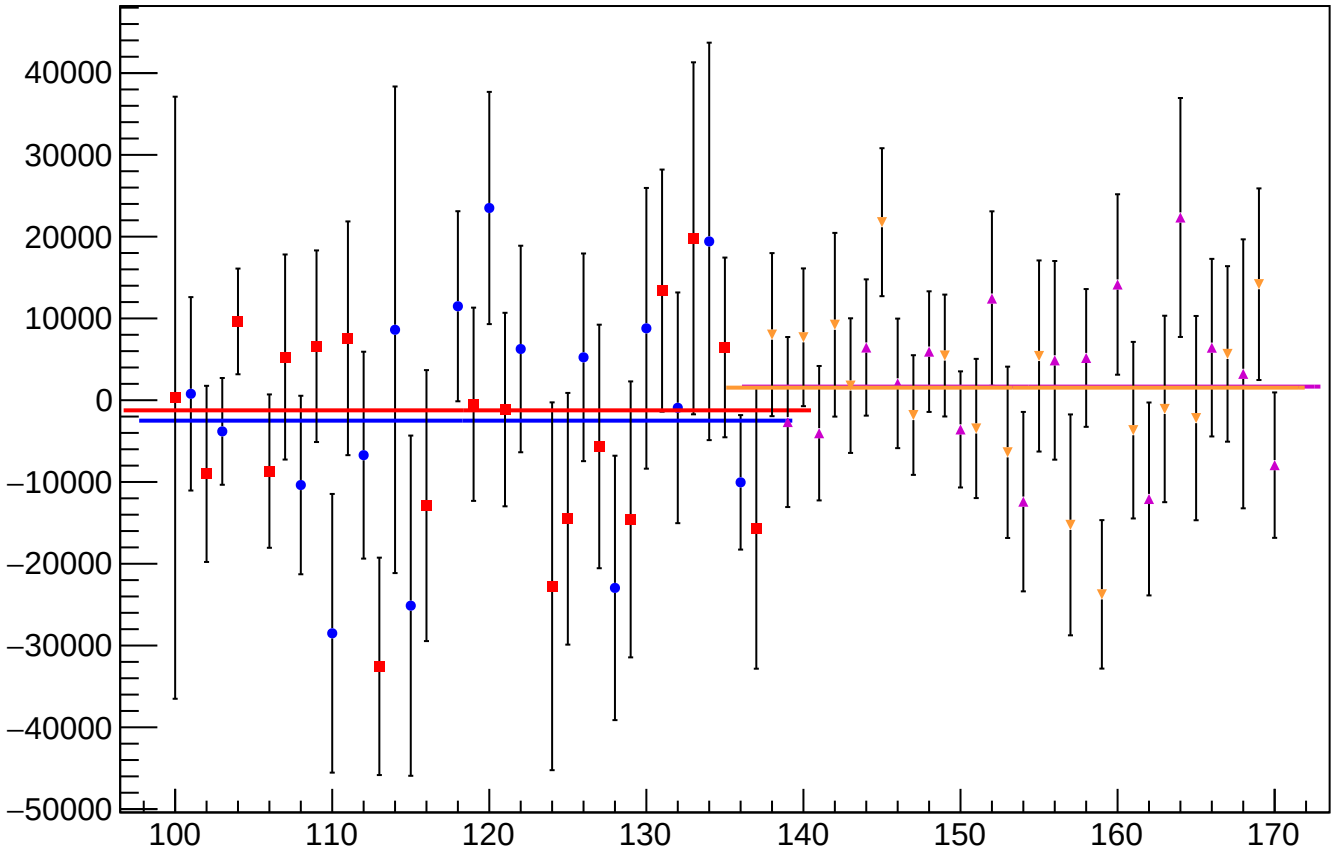
Left: 2459.870+/-0.337 χ^2/NDF: 138040.7/32

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2470.333+/-0.389 χ^2/NDF:671970.4/31

Out: 2461.968+/-0.385 χ^2/NDF:519210.3/35

All: 2466.103+/-0.274 χ^2/NDF: 1191414.2/67



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1536.126+/-2342.481 χ^2/NDF:18.9/16

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1662.033+/-2387.138 χ^2/NDF:10.8/15

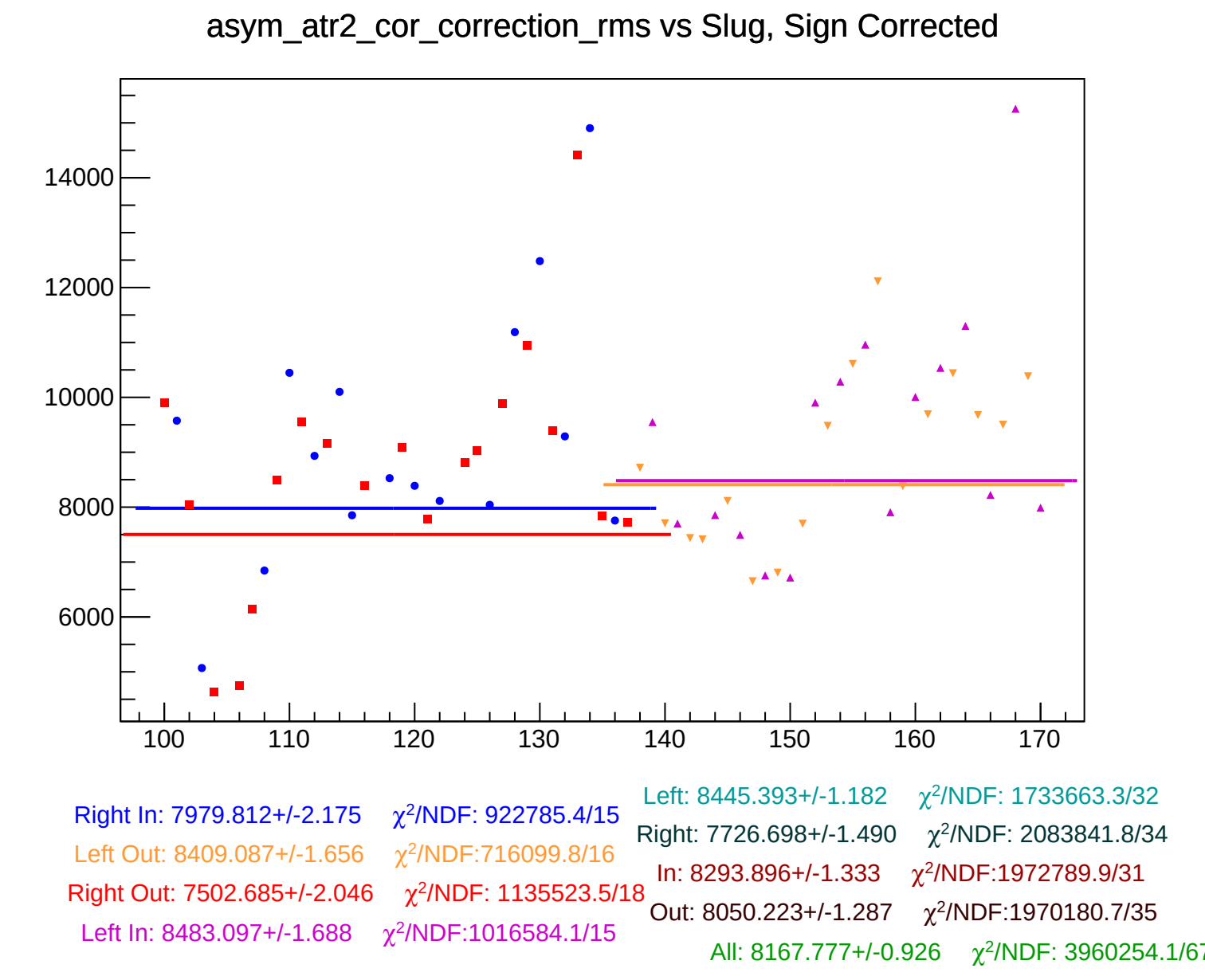
Left: 1597.891+/-1671.949 χ^2/NDF: 29.7/32

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

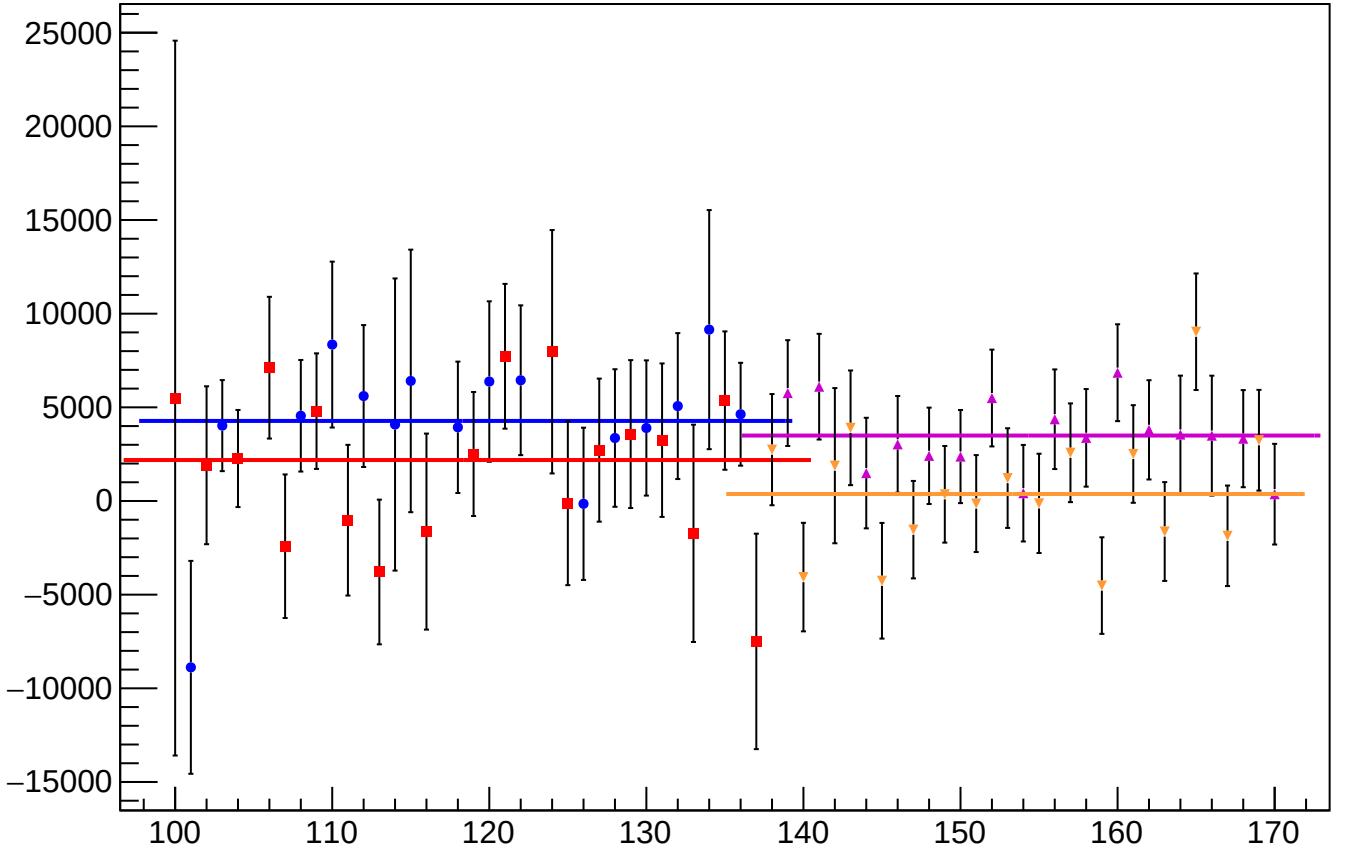
In: 97.252+/-1885.791 χ^2/NDF:25.7/31

Out: 437.039+/-1820.634 χ^2/NDF:36.1/35

All: 273.117+/-1309.812 χ^2/NDF: 61.8/67


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: 8409.087+/-1.656 χ²/NDF:716099.8/16
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8483.097+/-1.688 χ²/NDF:1016584.1/15
Left: 8445.393+/-1.182 χ²/NDF: 1733663.3/32
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8293.896+/-1.333 χ²/NDF:1972789.9/31
Out: 8050.223+/-1.287 χ²/NDF:1970180.7/35
All: 8167.777+/-0.926 χ²/NDF: 3960254.1/67

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 372.333+/-674.243 χ^2/NDF:22.5/16

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3493.854+/-674.833 χ^2/NDF:7.6/15

Left: 1931.730+/-476.970 χ^2/NDF: 40.8/32

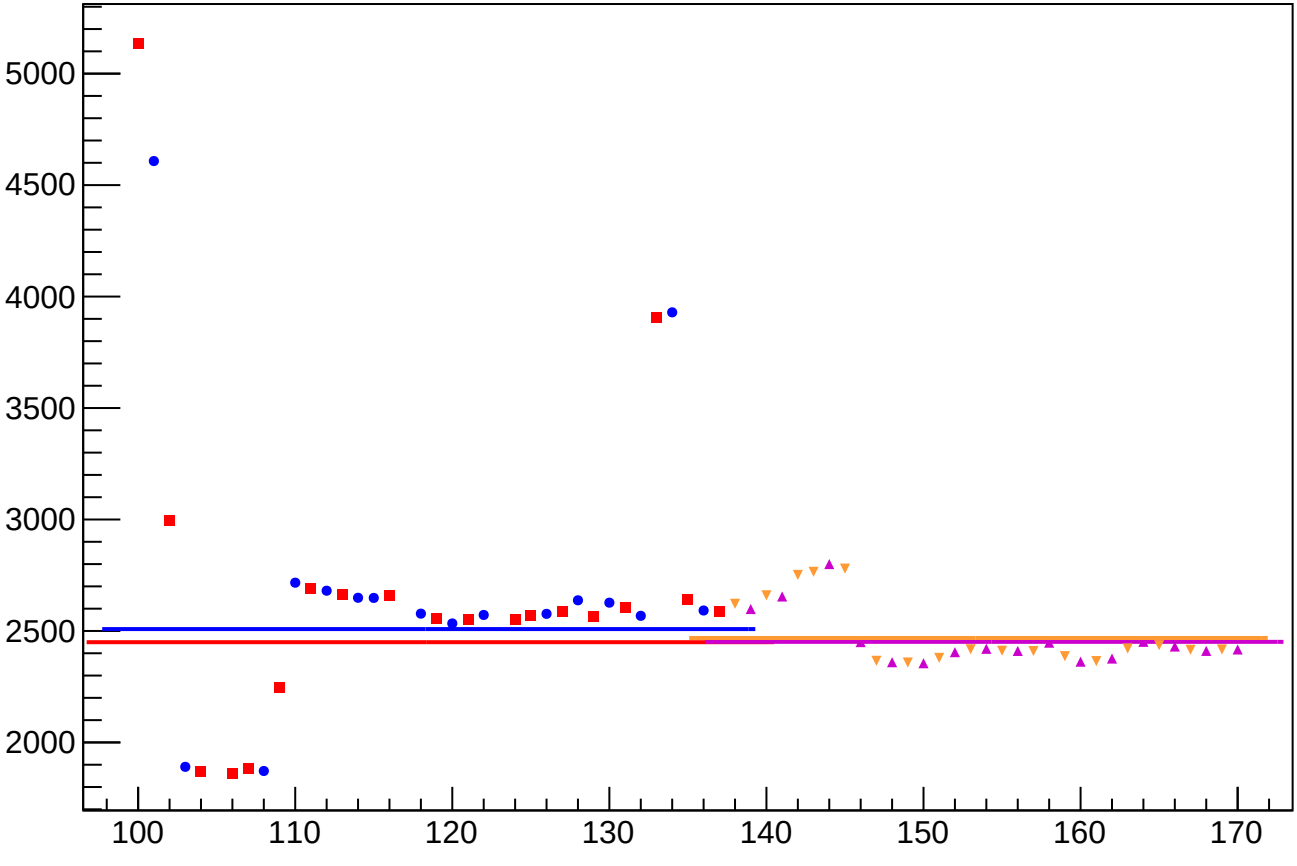
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3754.744+/-550.535 χ^2/NDF:16.9/31

Out: 1004.495+/-544.268 χ^2/NDF:39.9/35

All: 2363.875+/-387.052 χ^2/NDF: 69.4/67

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2468.556+/-0.477 χ^2/NDF:81815.7/16

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

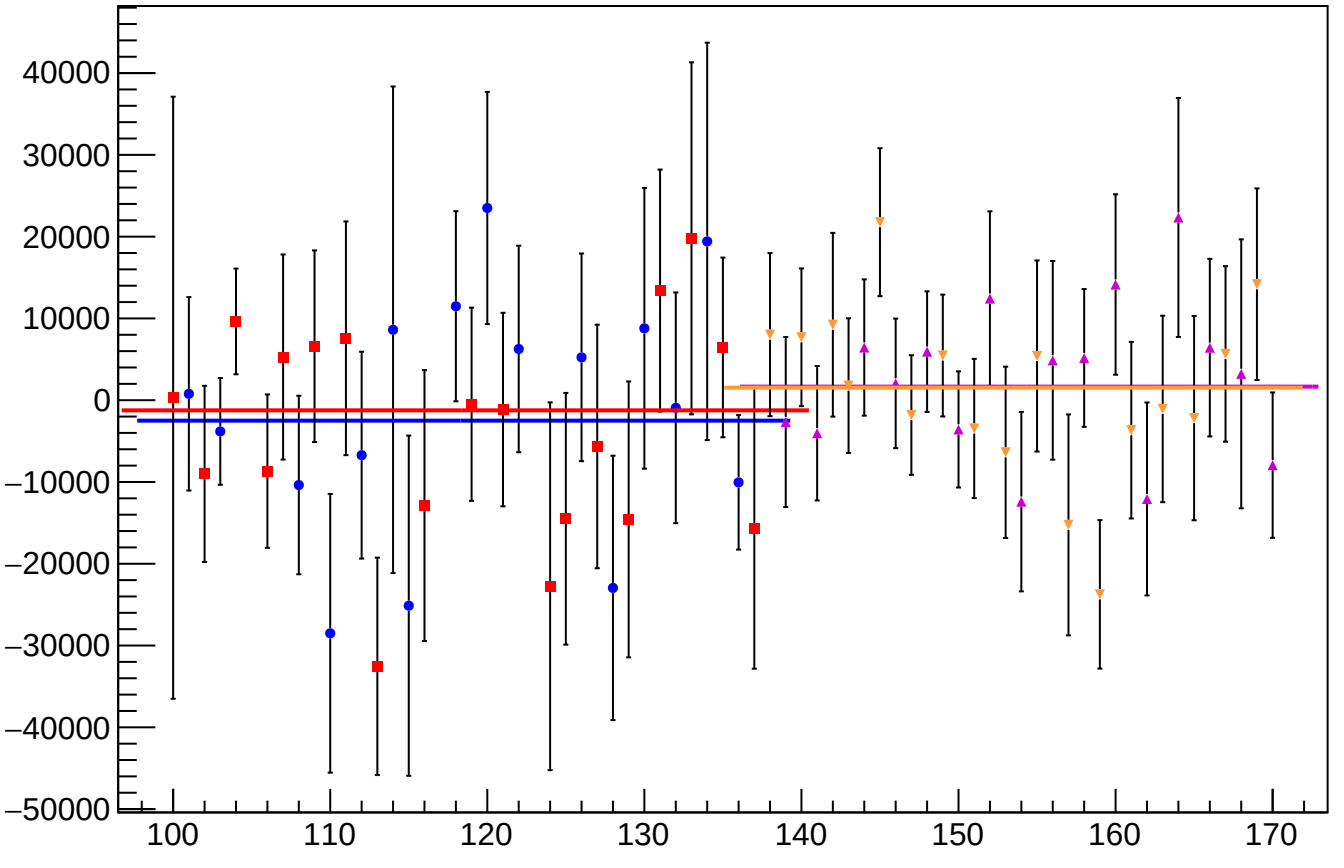
Left: 2459.870+/-0.337 χ^2/NDF: 138040.7/32

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2470.333+/-0.389 χ^2/NDF:671970.4/31

Out: 2461.968+/-0.385 χ^2/NDF:519210.3/35

All: 2466.103+/-0.274 χ^2/NDF: 1191414.2/67



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1536.126+/-2342.481 χ^2/NDF:18.9/16

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1662.033+/-2387.138 χ^2/NDF:10.8/15

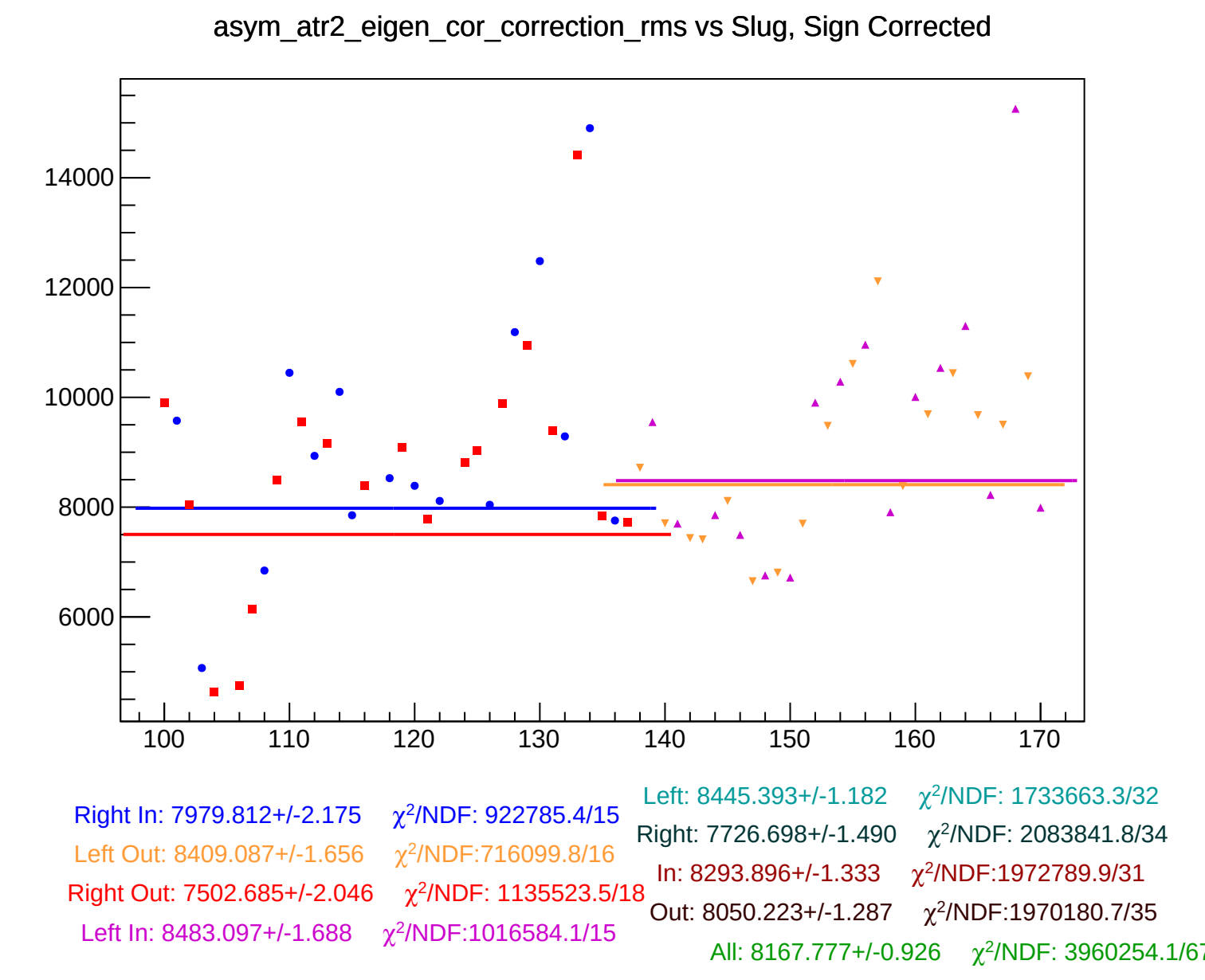
Left: 1597.891+/-1671.949 χ^2/NDF: 29.7/32

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

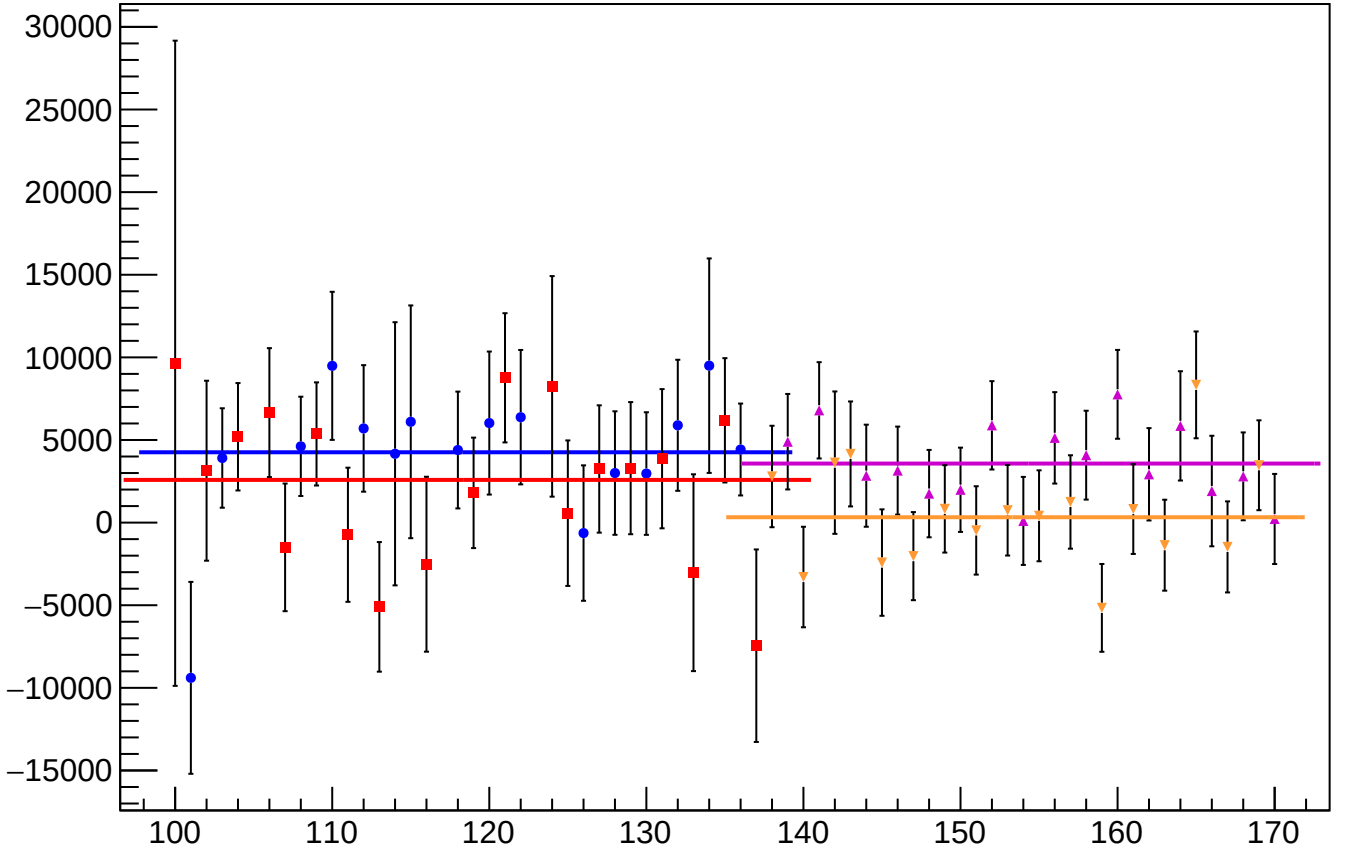
In: 97.252+/-1885.791 χ^2/NDF:25.7/31

Out: 437.039+/-1820.634 χ^2/NDF:36.1/35

All: 273.117+/-1309.812 χ^2/NDF: 61.8/67


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: 8409.087+/-1.656 χ²/NDF:716099.8/16
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8483.097+/-1.688 χ²/NDF:1016584.1/15
Left: 8445.393+/-1.182 χ²/NDF: 1733663.3/32
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8293.896+/-1.333 χ²/NDF:1972789.9/31
Out: 8050.223+/-1.287 χ²/NDF:1970180.7/35
All: 8167.777+/-0.926 χ²/NDF: 3960254.1/67

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 324.978+/-698.605 χ^2/NDF:18.4/16

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3574.104+/-697.899 χ^2/NDF:10.0/15

Left: 1951.185+/-493.738 χ^2/NDF: 39.2/32

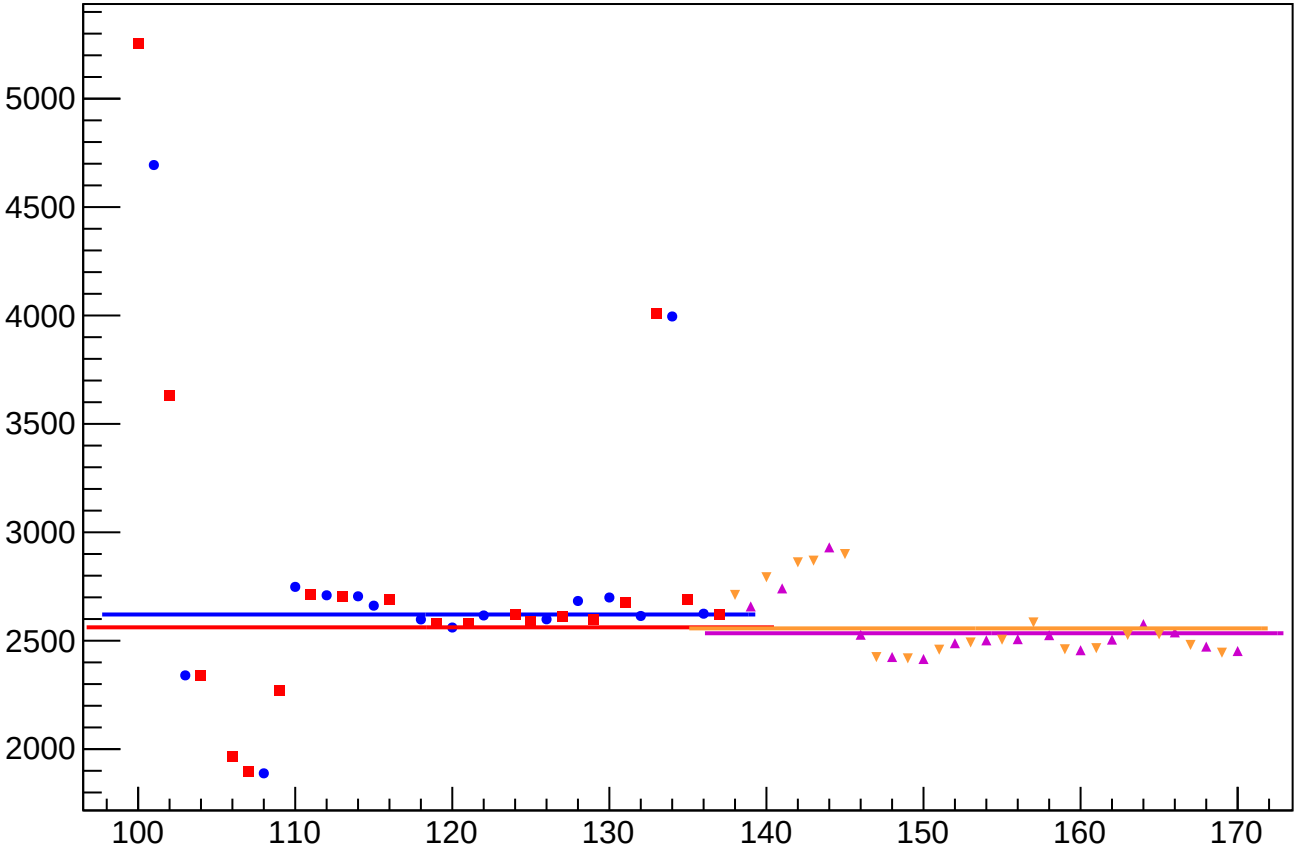
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3800.635+/-570.515 χ^2/NDF:20.3/31

Out: 1100.923+/-566.093 χ^2/NDF:39.7/35

All: 2440.276+/-401.843 χ^2/NDF: 71.3/67

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2556.905+/-0.494 χ^2/NDF:94435.1/16

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2534.458+/-0.493 χ^2/NDF:60661.7/15

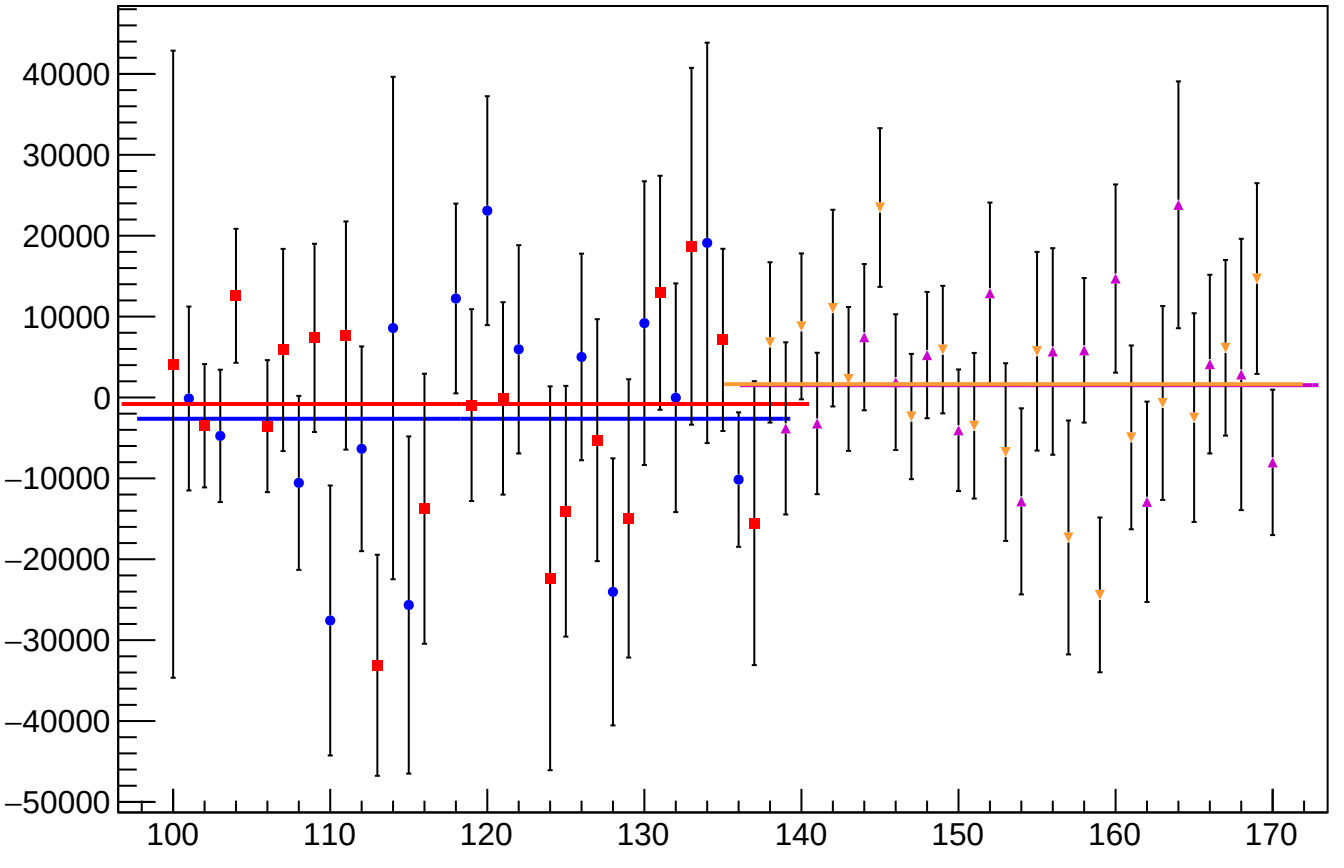
Left: 2545.670+/-0.349 χ^2/NDF: 156130.2/32

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2563.155+/-0.403 χ^2/NDF:556769.3/31

Out: 2558.559+/-0.400 χ^2/NDF:472727.2/35

All: 2560.839+/-0.284 χ^2/NDF: 1029561.9/67



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1646.113+/-2466.470 χ^2/NDF:19.0/16

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1521.036+/-2508.277 χ^2/NDF:10.6/15

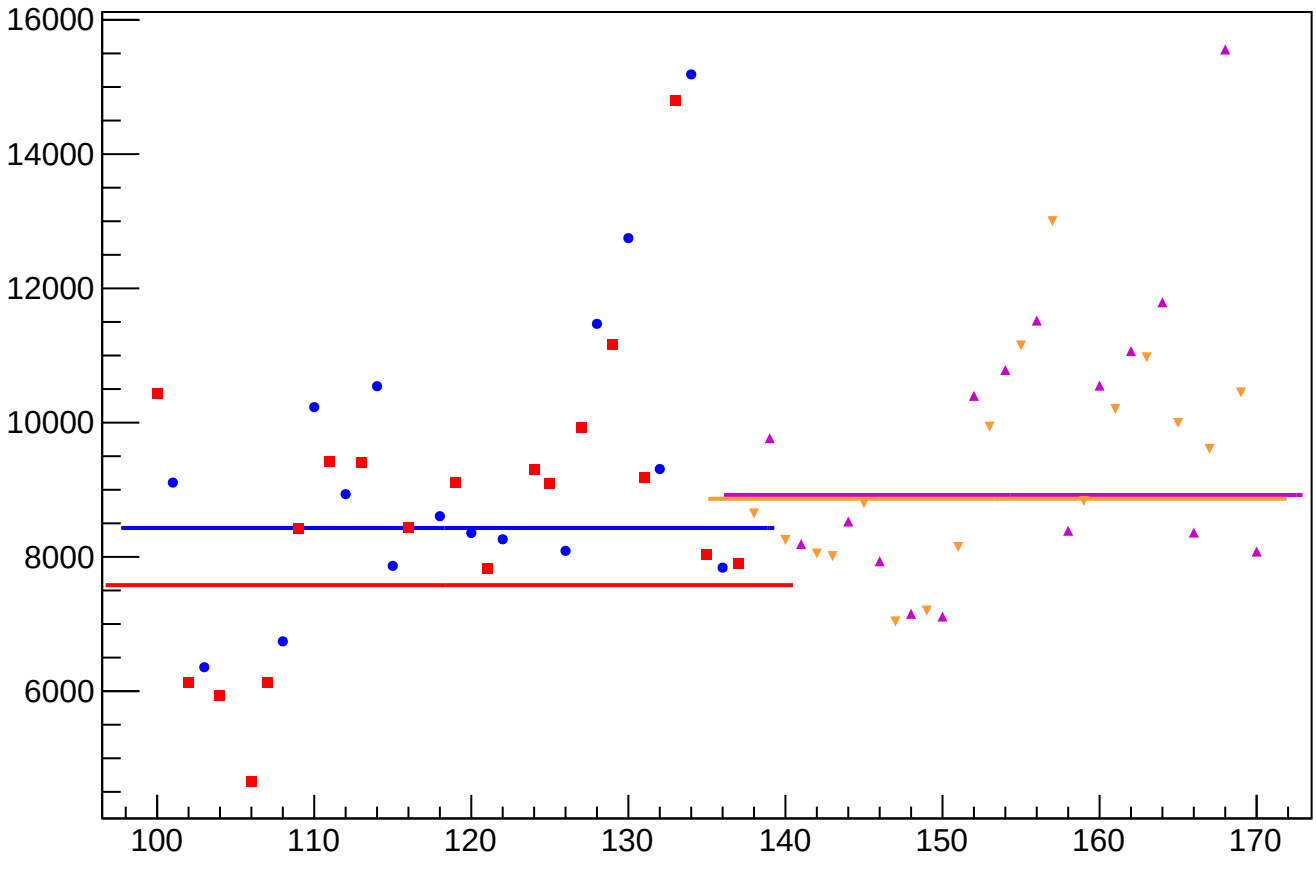
Left: 1584.626+/-1758.652 χ^2/NDF: 29.7/32

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -52.452+/-1976.796 χ^2/NDF:25.5/31

Out: 606.973+/-1871.410 χ^2/NDF:34.9/35

All: 295.306+/-1359.016 χ^2/NDF: 60.4/67



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8866.327+/-1.744 χ^2/NDF:653282.7/16

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8922.771+/-1.774 χ^2/NDF:959702.8/15

Left: 8894.075+/-1.244 χ^2/NDF: 1613500.4/32

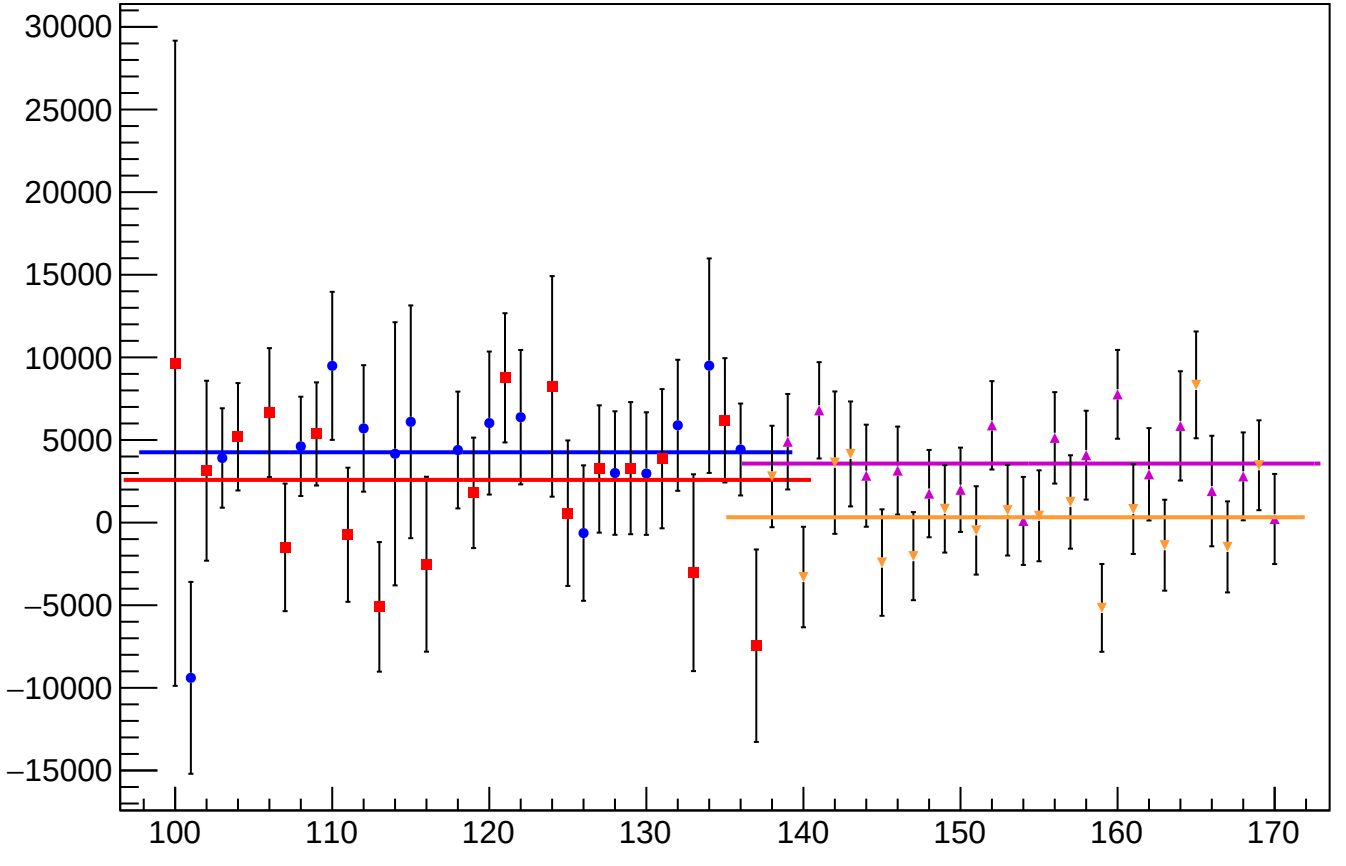
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8736.359+/-1.398 χ^2/NDF:1569153.4/31

Out: 8320.145+/-1.323 χ^2/NDF:1858545.5/35

All: 8516.862+/-0.961 χ^2/NDF: 3474456.4/67

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 324.961+/-698.606 χ^2/NDF:18.4/16

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3574.109+/-697.899 χ^2/NDF:10.0/15

Left: 1951.178+/-493.739 χ^2/NDF: 39.2/32

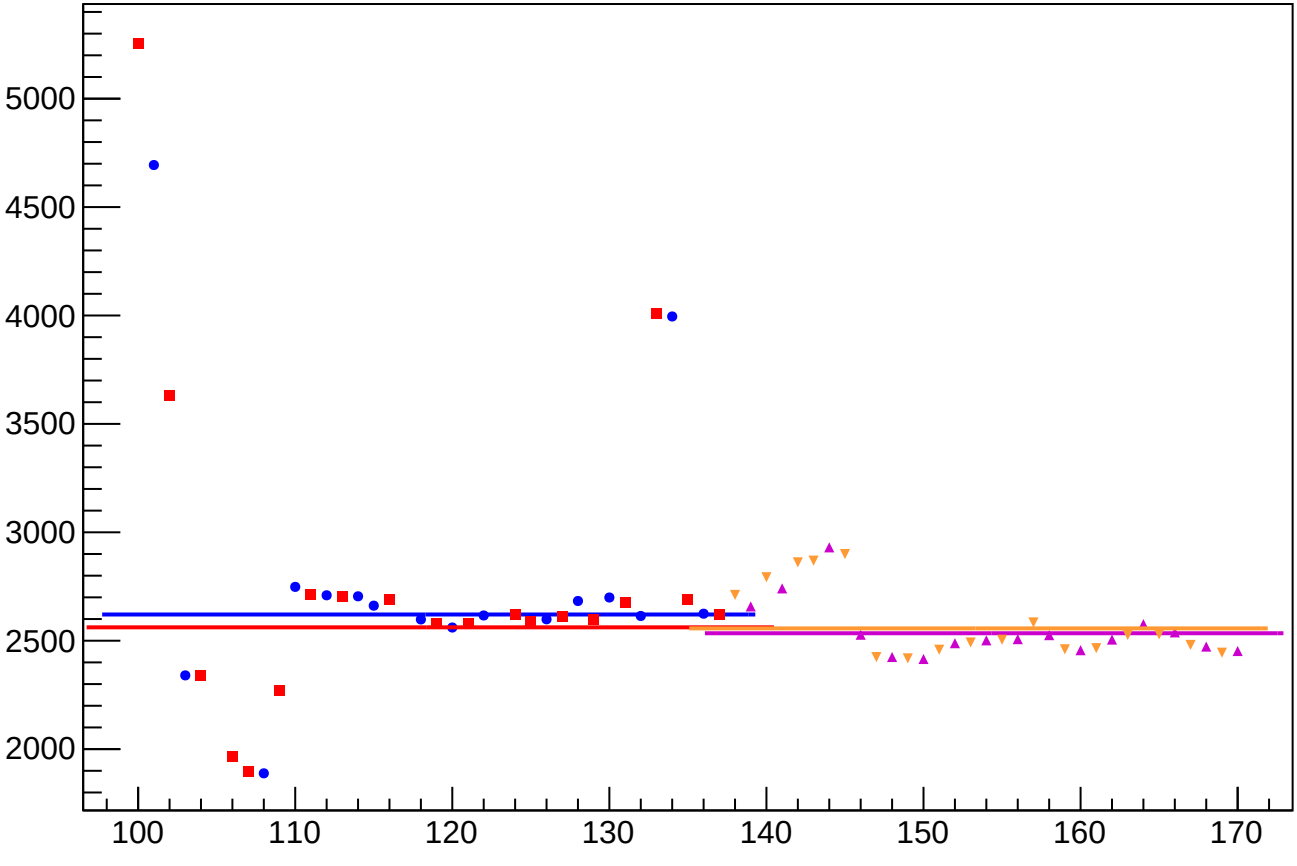
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3800.642+/-570.516 χ^2/NDF:20.3/31

Out: 1100.916+/-566.094 χ^2/NDF:39.7/35

All: 2440.276+/-401.843 χ^2/NDF: 71.3/67

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2556.908+/-0.494 χ^2/NDF:94435.1/16

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2534.461+/-0.493 χ^2/NDF:60661.4/15

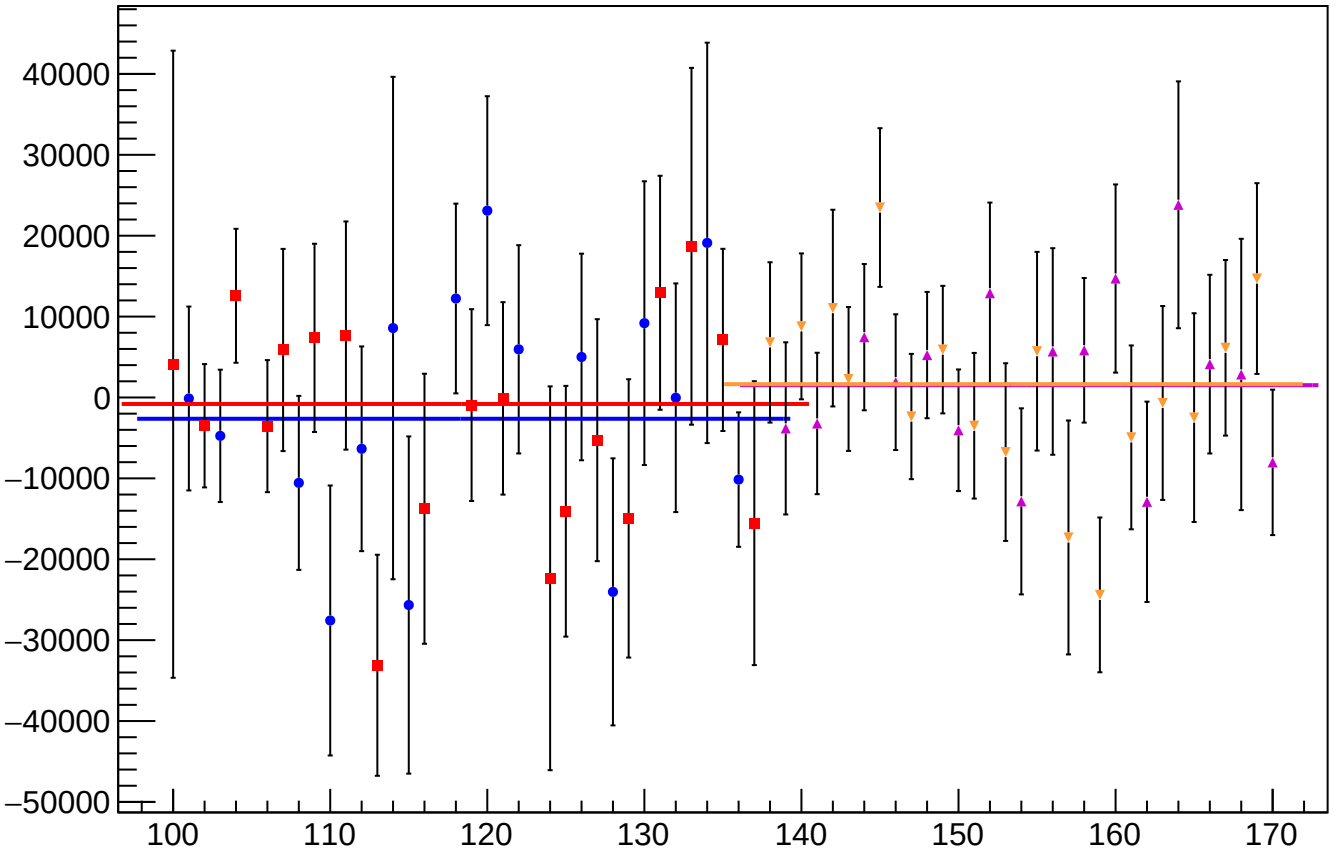
Left: 2545.673+/-0.349 χ^2/NDF: 156129.9/32

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2563.156+/-0.403 χ^2/NDF:556768.4/31

Out: 2558.561+/-0.400 χ^2/NDF:472726.6/35

All: 2560.840+/-0.284 χ^2/NDF: 1029560.4/67



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1646.107+/-2466.474 χ^2/NDF:19.0/16

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1521.032+/-2508.280 χ^2/NDF:10.6/15

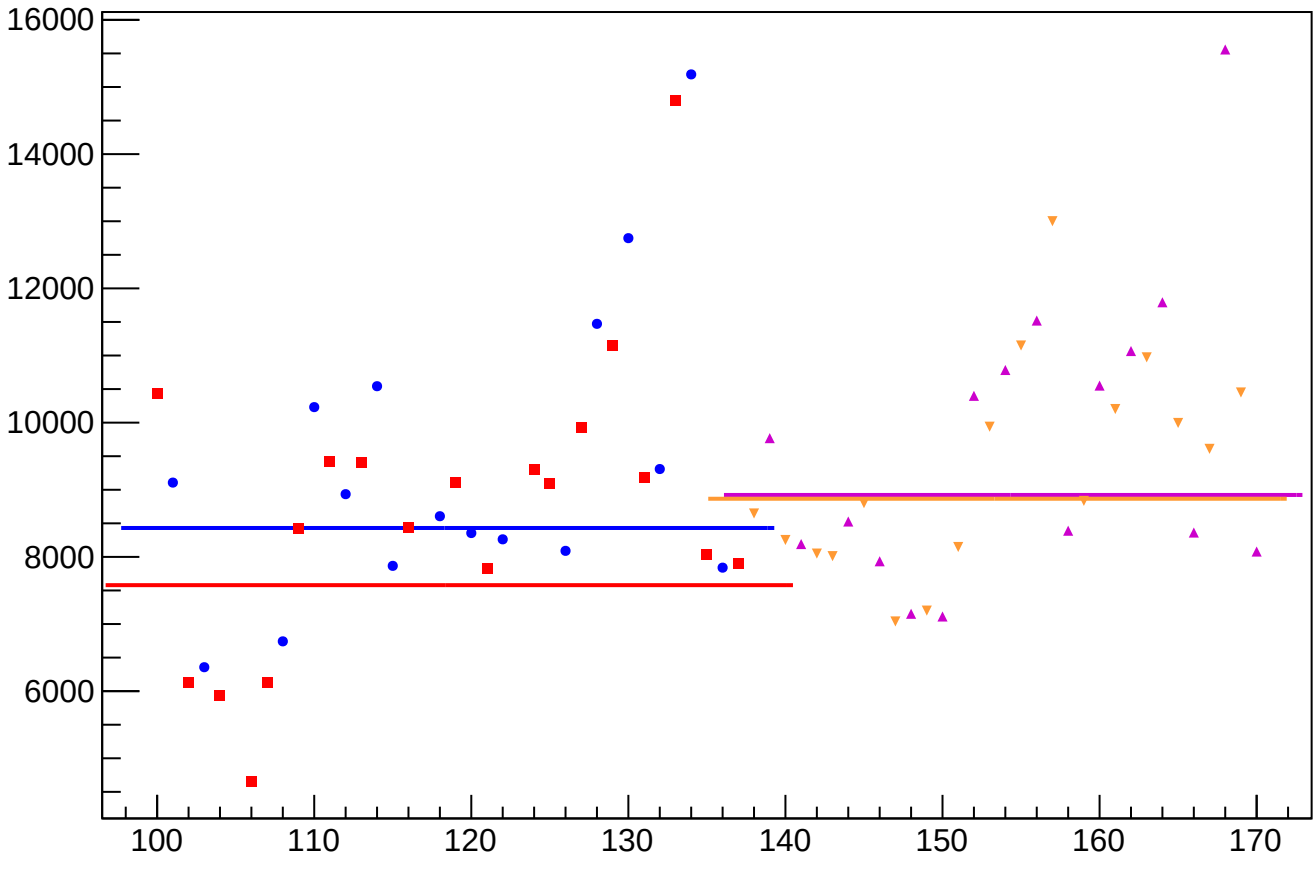
Left: 1584.621+/-1758.655 χ^2/NDF: 29.7/32

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -52.448+/-1976.797 χ^2/NDF:25.5/31

Out: 606.968+/-1871.410 χ^2/NDF:34.9/35

All: 295.305+/-1359.017 χ^2/NDF: 60.4/67



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8866.342+/-1.744 χ^2/NDF:653282.9/16

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8922.784+/-1.774 χ^2/NDF:959703.9/15

Left: 8894.089+/-1.244 χ^2/NDF: 1613501.6/32

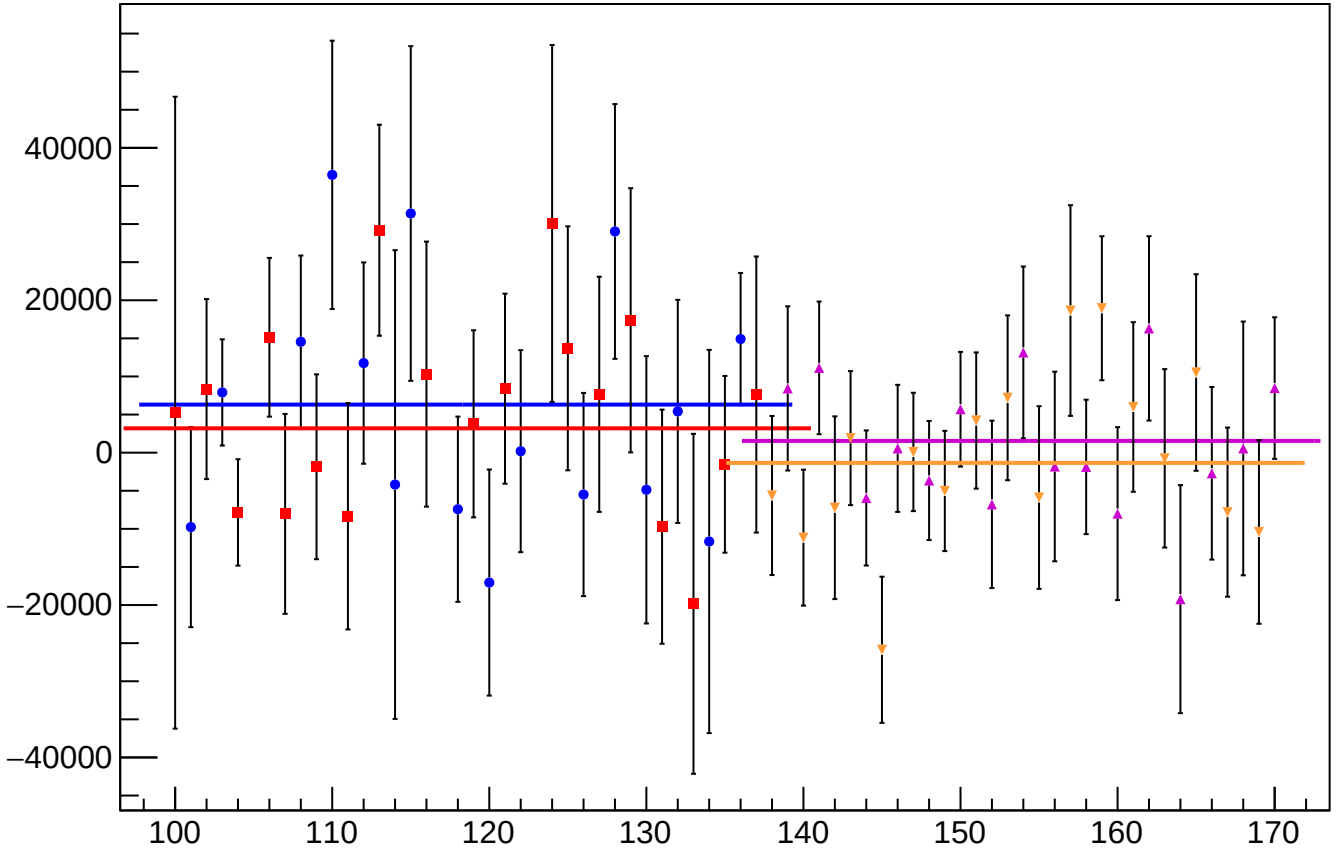
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8736.363+/-1.398 χ^2/NDF:1569151.5/31

Out: 8320.146+/-1.323 χ^2/NDF:1858551.4/35

All: 8516.865+/-0.961 χ^2/NDF: 3474460.9/67

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1345.676+/-2454.598 χ^2/NDF:18.6/16

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1538.046+/-2496.504 χ^2/NDF:9.8/15

Left: 71.779+/-1750.291 χ^2/NDF: 29.1/32

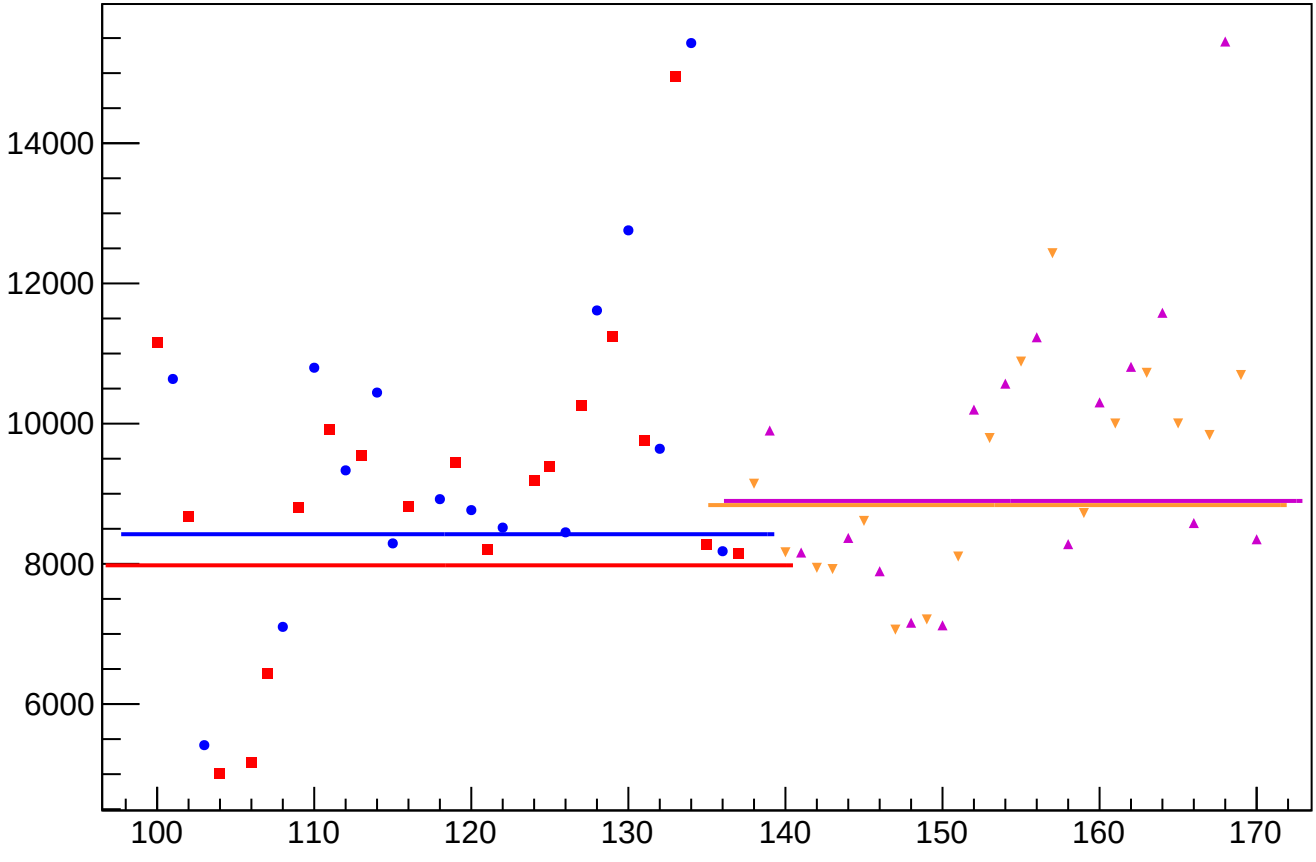
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3314.858+/-1977.483 χ^2/NDF:26.2/31

Out: 423.813+/-1916.816 χ^2/NDF:33.8/35

All: 1824.308+/-1376.342 χ^2/NDF: 61.2/67

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8838.190+/-1.736 χ^2/NDF:613442.2/16

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8897.461+/-1.765 χ^2/NDF:893186.8/15

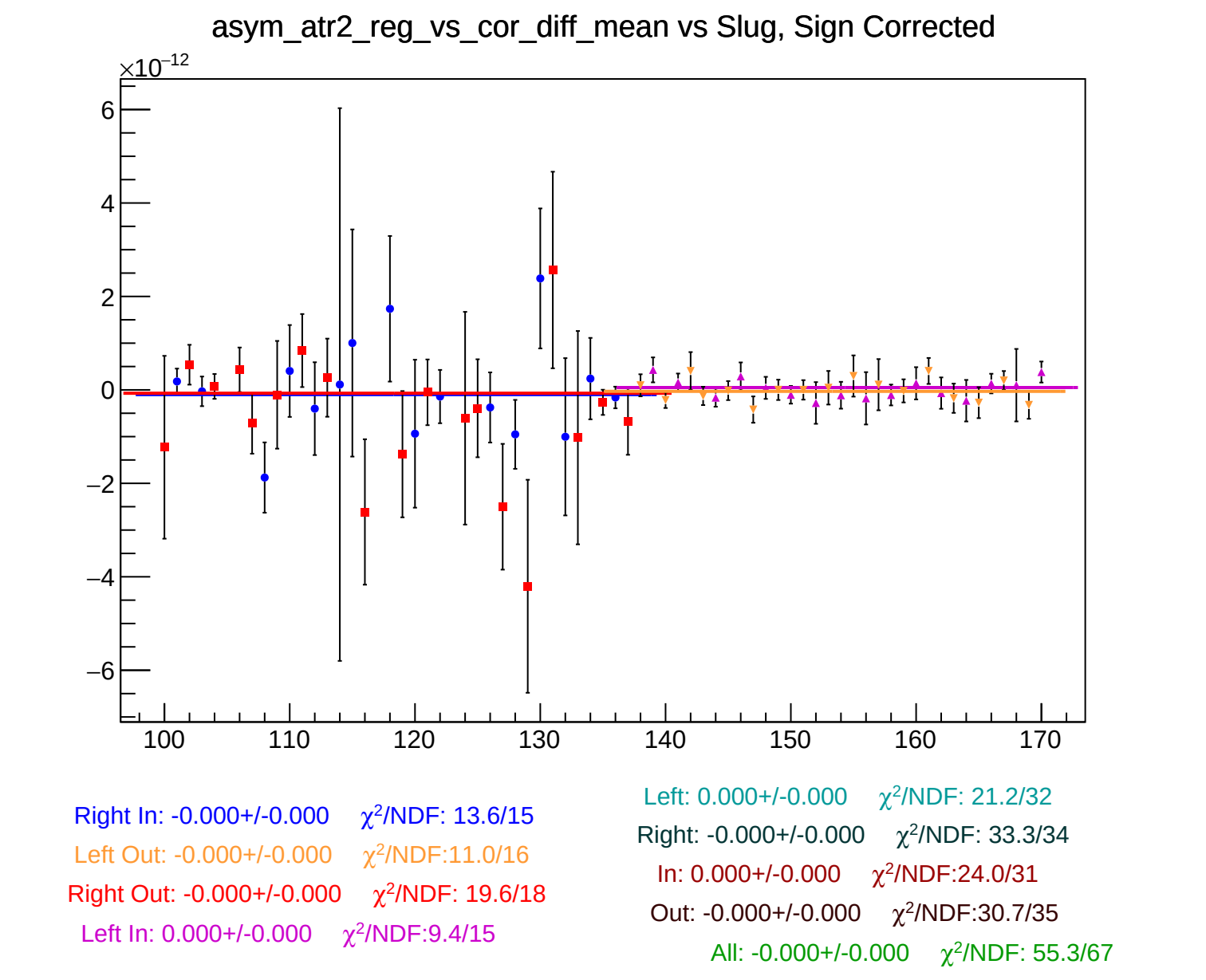
Left: 8867.324+/-1.238 χ^2/NDF: 1507202.2/32

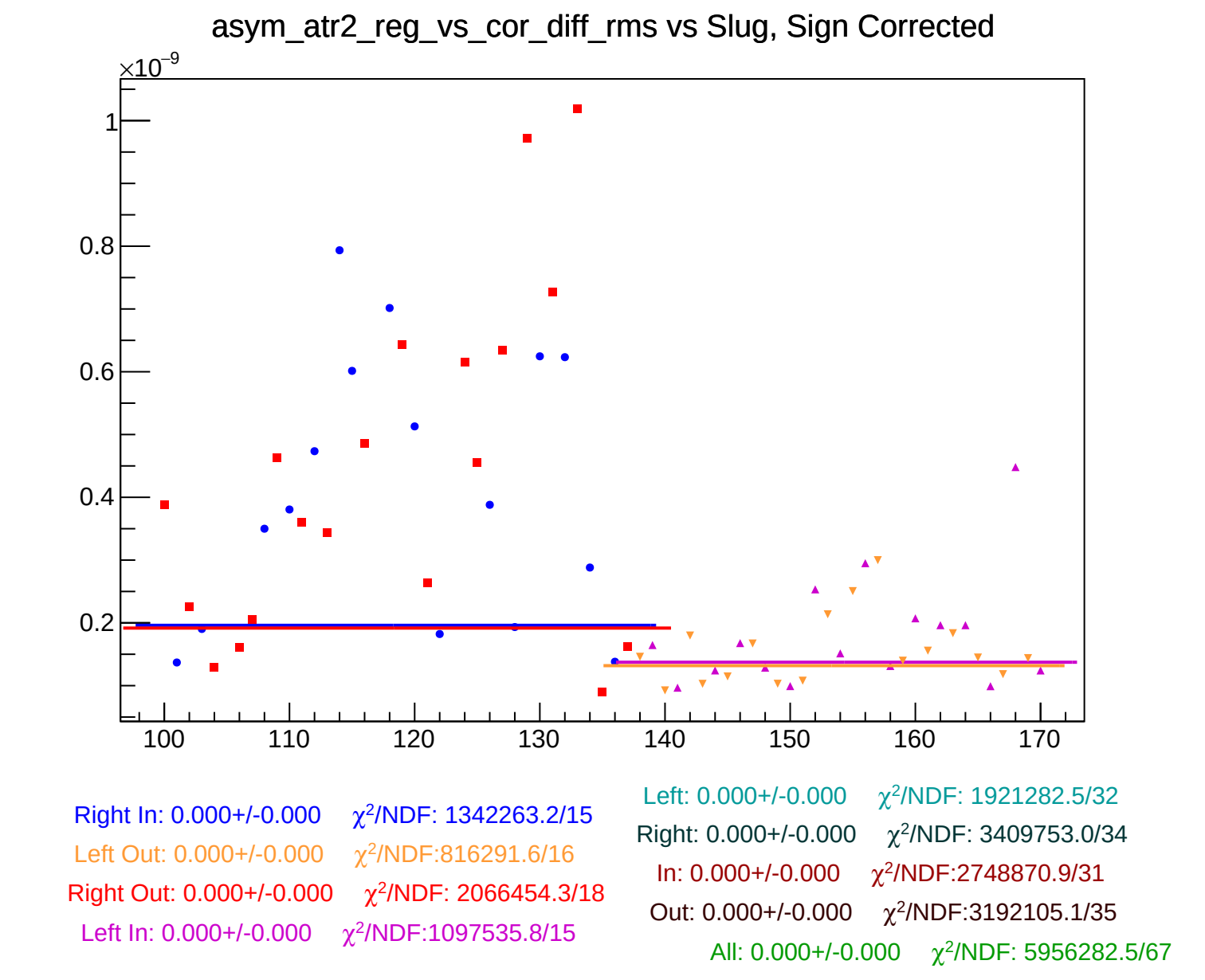
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

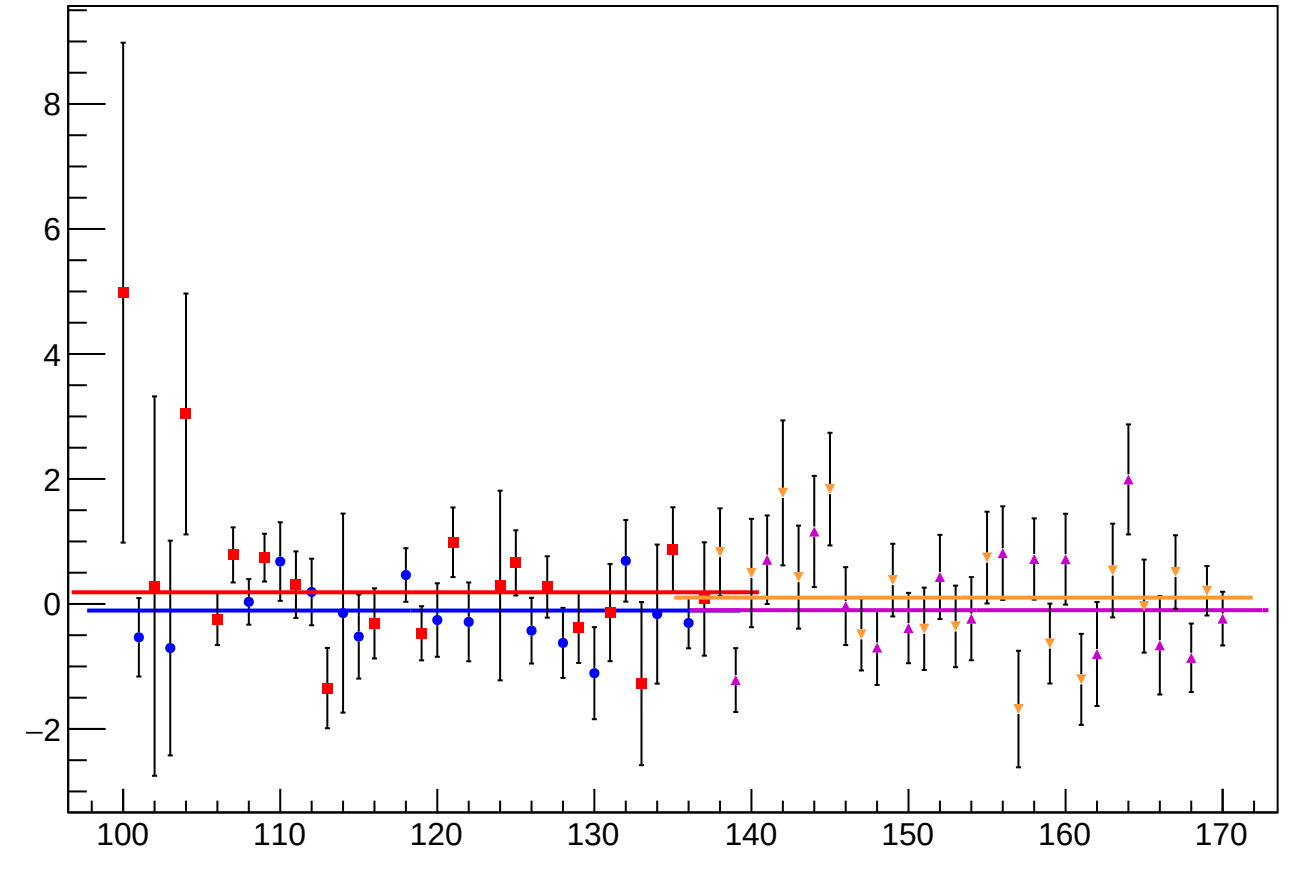
In: 8720.583+/-1.398 χ^2/NDF:1801967.0/31

Out: 8502.941+/-1.355 χ^2/NDF:1725076.7/35

All: 8608.371+/-0.973 χ^2/NDF: 3539534.3/67


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:11.0/16
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 21.2/32
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:24.0/31
Out: -0.000+/-0.000 χ²/NDF:30.7/35
All: -0.000+/-0.000 χ²/NDF: 55.3/67


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:816291.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1097535.8/15
Left: 0.000+/-0.000 χ²/NDF: 1921282.5/32
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2748870.9/31
Out: 0.000+/-0.000 χ²/NDF:3192105.1/35
All: 0.000+/-0.000 χ²/NDF: 5956282.5/67



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.101+/-0.163 χ^2/NDF:19.5/16

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.100+/-0.160 χ^2/NDF:23.3/15

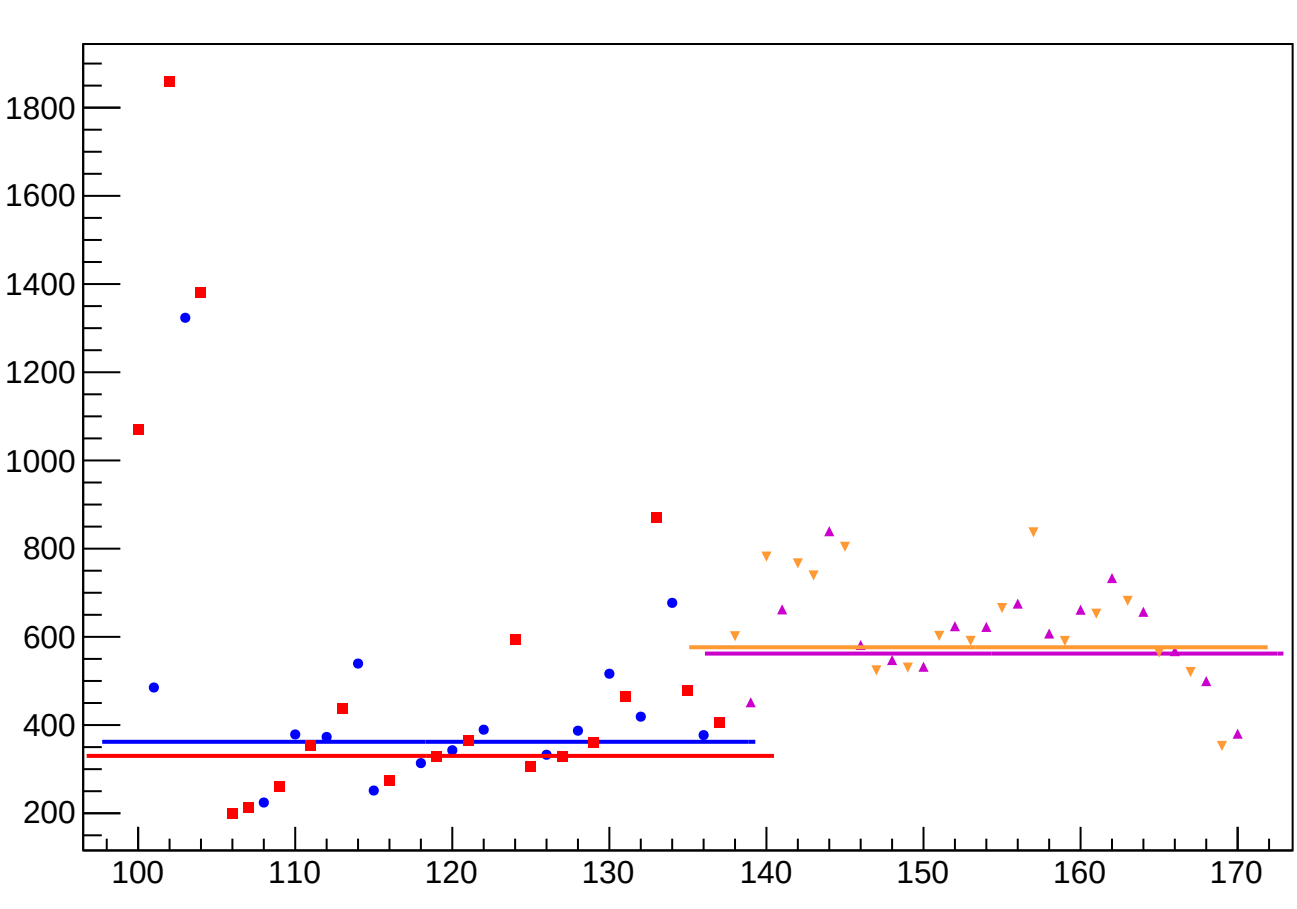
Left: -0.001+/-0.114 χ^2/NDF: 43.5/32

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.151+/-0.105 χ^2/NDF:43.5/35

All: 0.027+/-0.075 χ^2/NDF: 79.3/67



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 576.400+/-0.115 χ^2/NDF:1315042.1/16

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 562.098+/-0.113 χ^2/NDF:955221.6/15

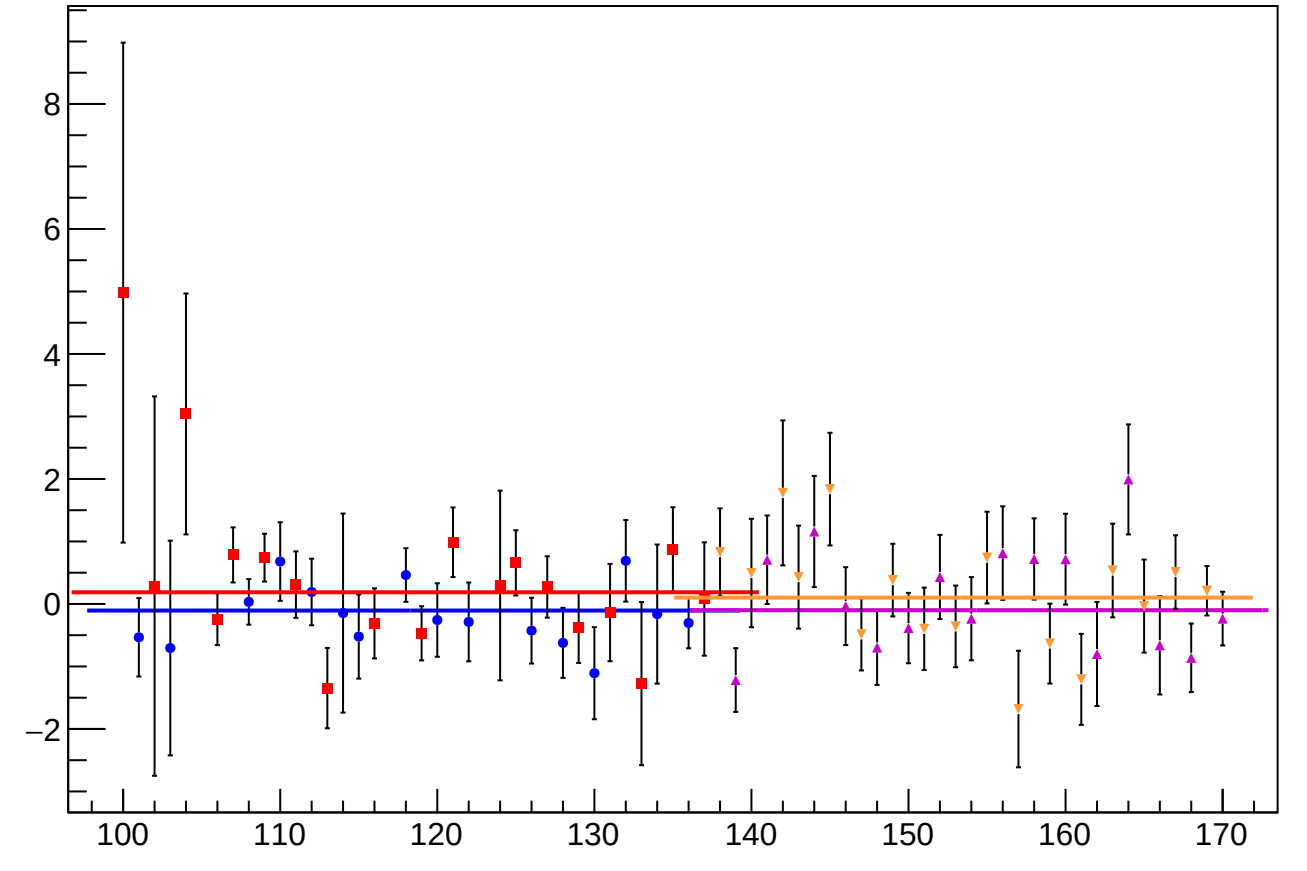
Left: 569.103+/-0.081 χ^2/NDF: 2278120.4/32

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.230+/-0.076 χ^2/NDF:4056480.8/31

Out: 432.423+/-0.074 χ^2/NDF:6231585.8/35

All: 442.125+/-0.053 χ^2/NDF: 10322886.3/67



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.101+/-0.163 χ^2/NDF:19.5/16

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.100+/-0.160 χ^2/NDF:23.3/15

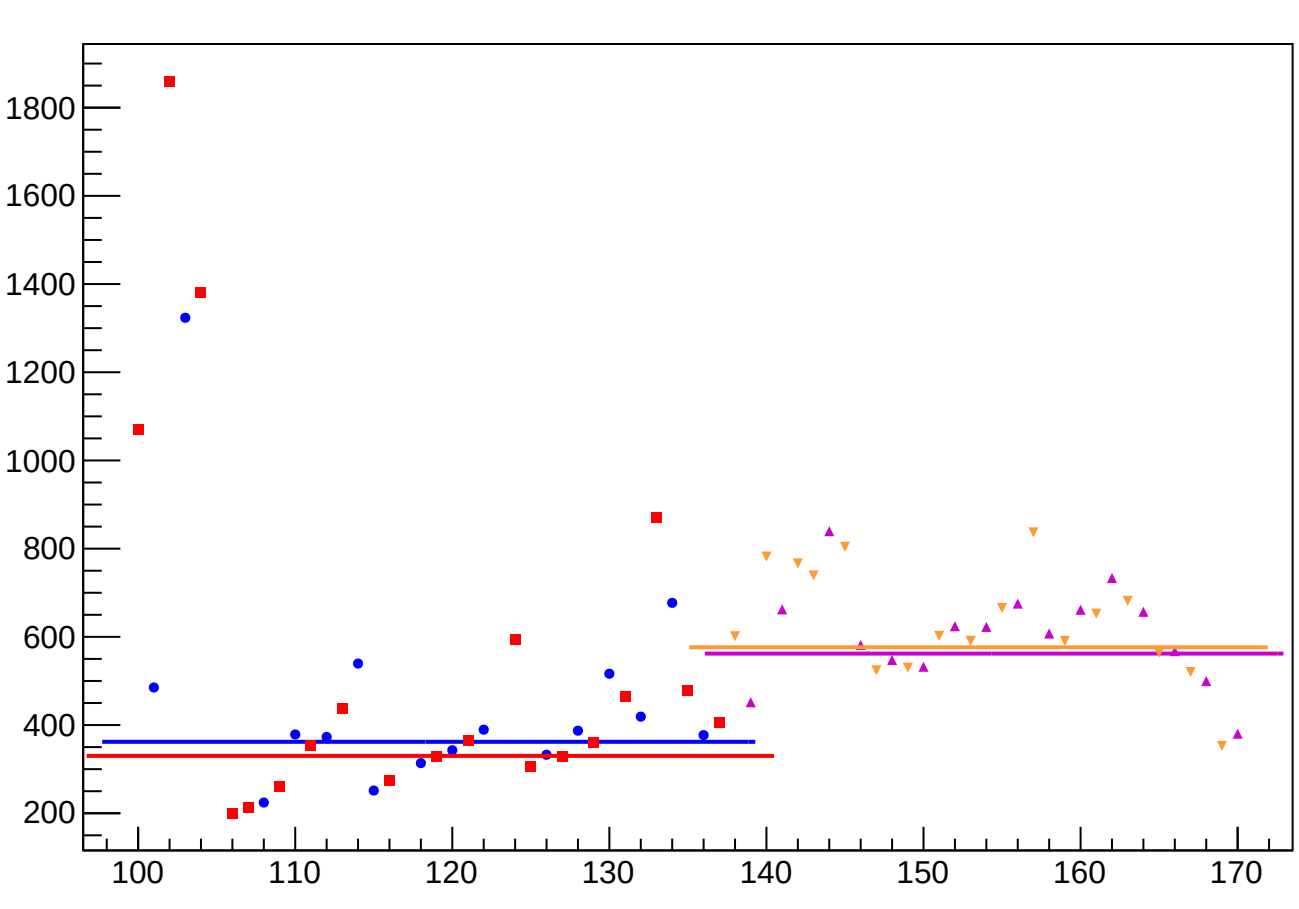
Left: -0.001+/-0.114 χ^2/NDF: 43.5/32

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.151+/-0.105 χ^2/NDF:43.5/35

All: 0.027+/-0.075 χ^2/NDF: 79.3/67



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 576.400+/-0.115 χ^2/NDF:1315042.1/16

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 562.098+/-0.113 χ^2/NDF:955221.6/15

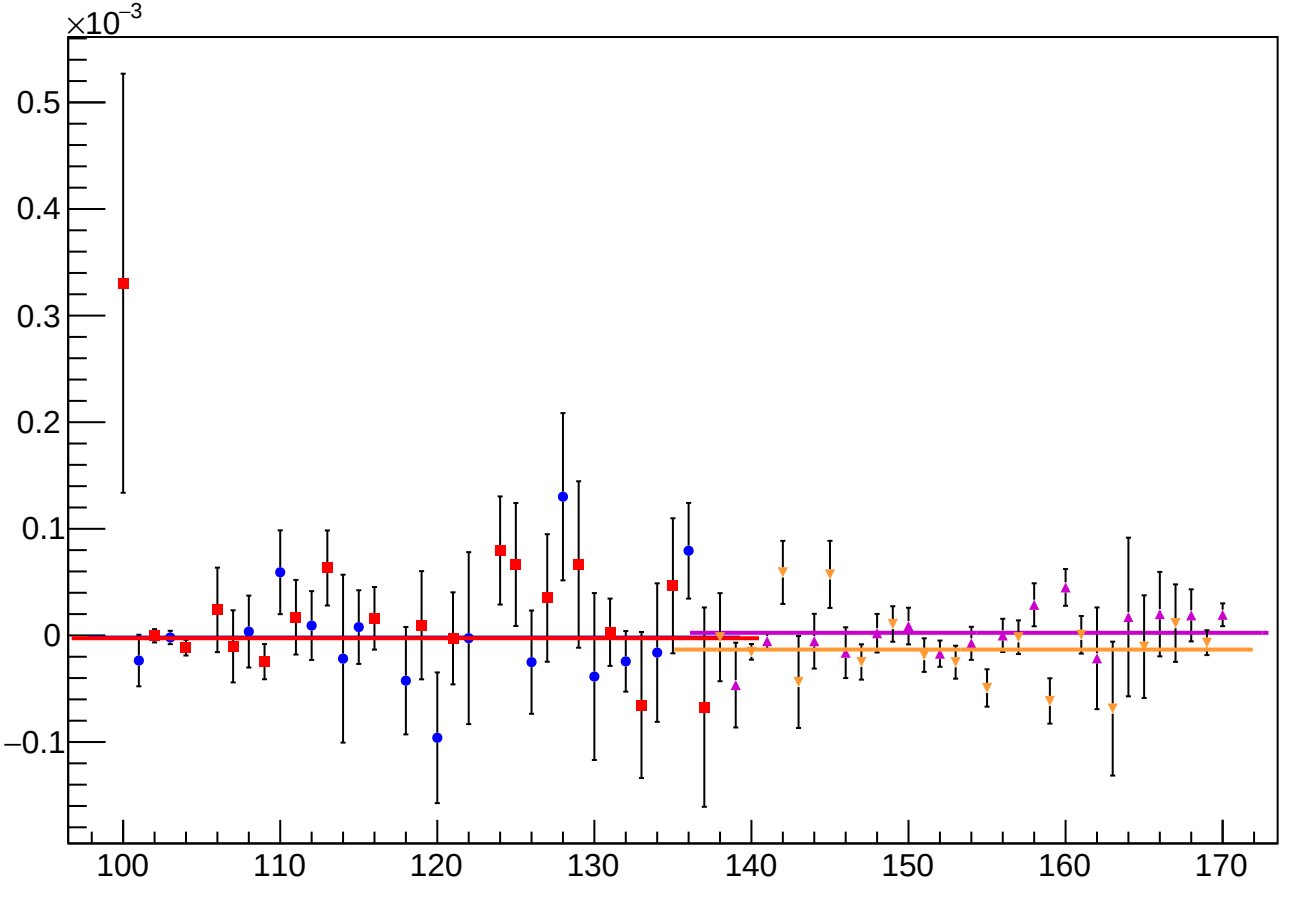
Left: 569.103+/-0.081 χ^2/NDF: 2278120.4/32

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.230+/-0.076 χ^2/NDF:4056480.8/31

Out: 432.423+/-0.074 χ^2/NDF:6231585.8/35

All: 442.125+/-0.053 χ^2/NDF: 10322886.3/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/15

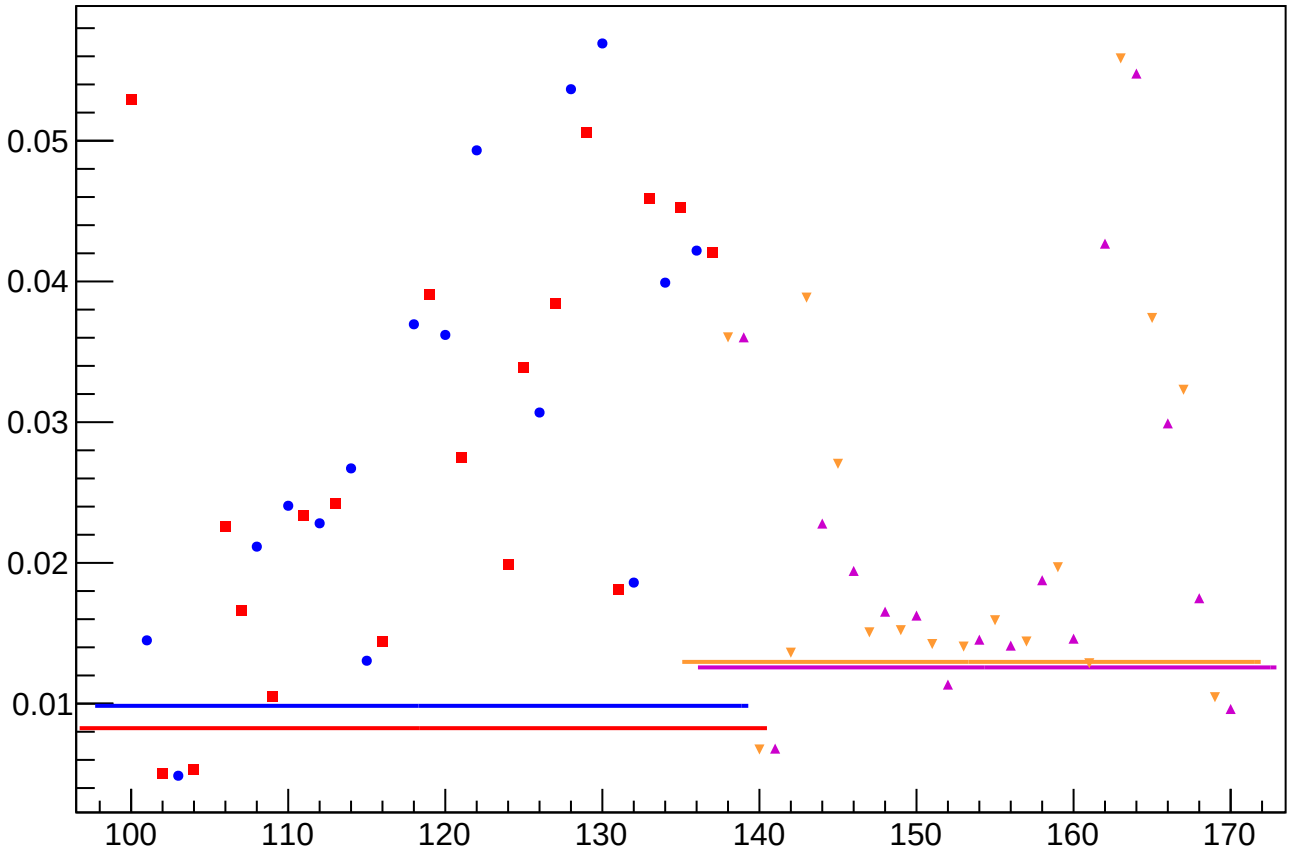
Left: -0.000+/-0.000 χ^2/NDF: 52.2/32

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:31.9/31

Out: -0.000+/-0.000 χ^2/NDF:48.5/35

All: -0.000+/-0.000 χ^2/NDF: 84.6/67



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5651421.0/16

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4983216.3/15

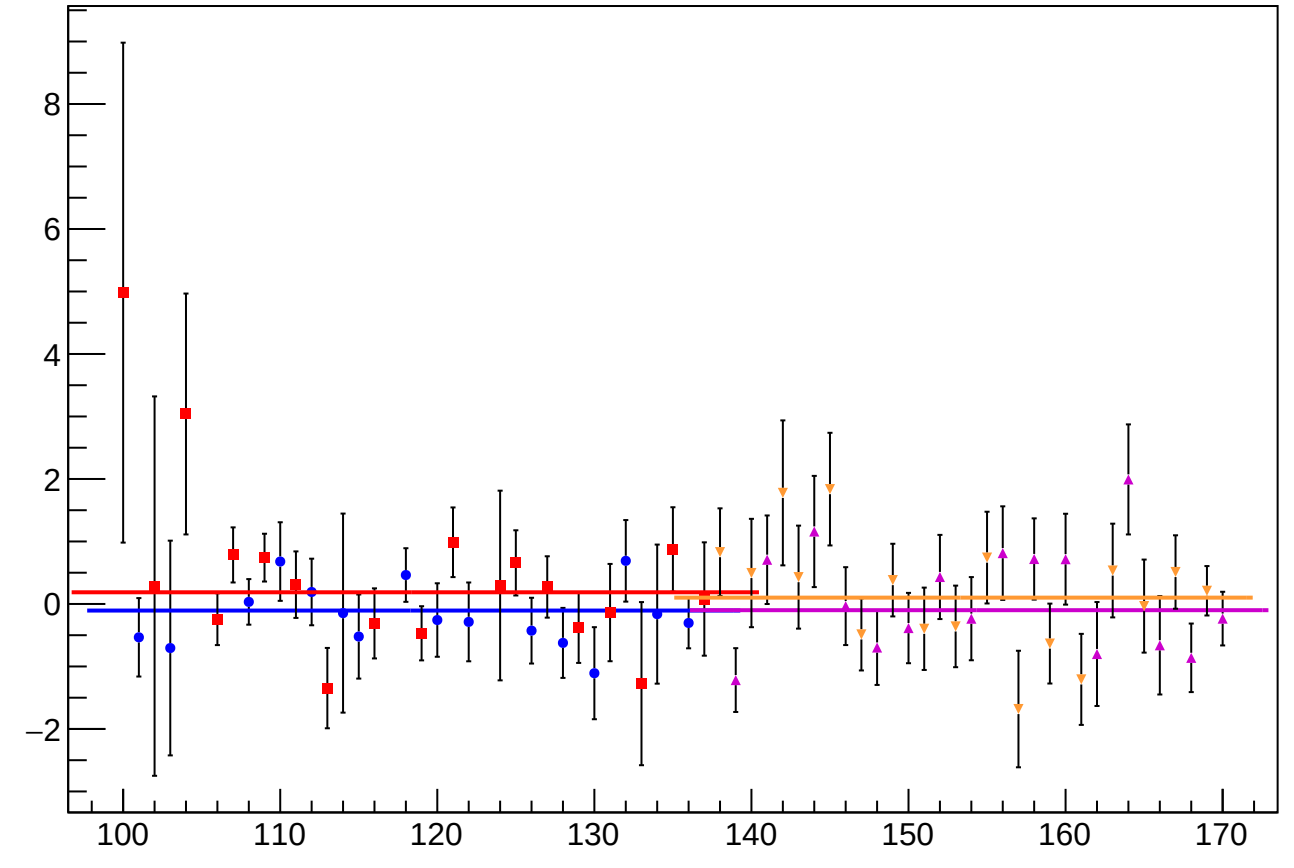
Left: 0.013+/-0.000 χ^2/NDF: 10643892.2/32

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12363865.3/31

Out: 0.011+/-0.000 χ^2/NDF:13663843.3/35

All: 0.011+/-0.000 χ^2/NDF: 26118791.3/67



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.101+/-0.163 χ^2/NDF:19.5/16

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.100+/-0.160 χ^2/NDF:23.3/15

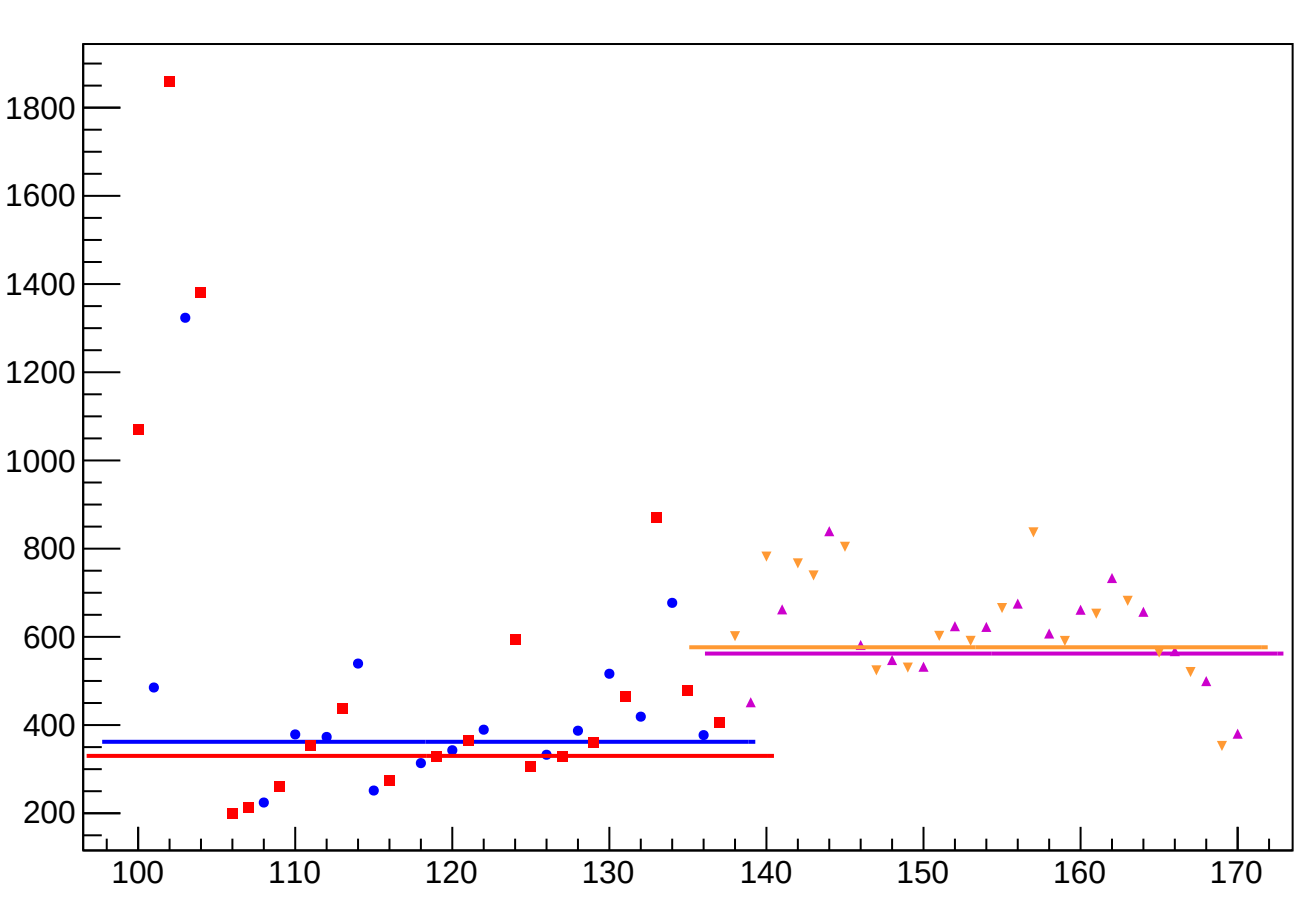
Left: -0.001+/-0.114 χ^2/NDF: 43.5/32

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.151+/-0.105 χ^2/NDF:43.5/35

All: 0.027+/-0.075 χ^2/NDF: 79.3/67



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 576.406+/-0.115 χ^2/NDF:1315109.7/16

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 562.106+/-0.113 χ^2/NDF:955244.8/15

Left: 569.110+/-0.081 χ^2/NDF: 2278209.6/32

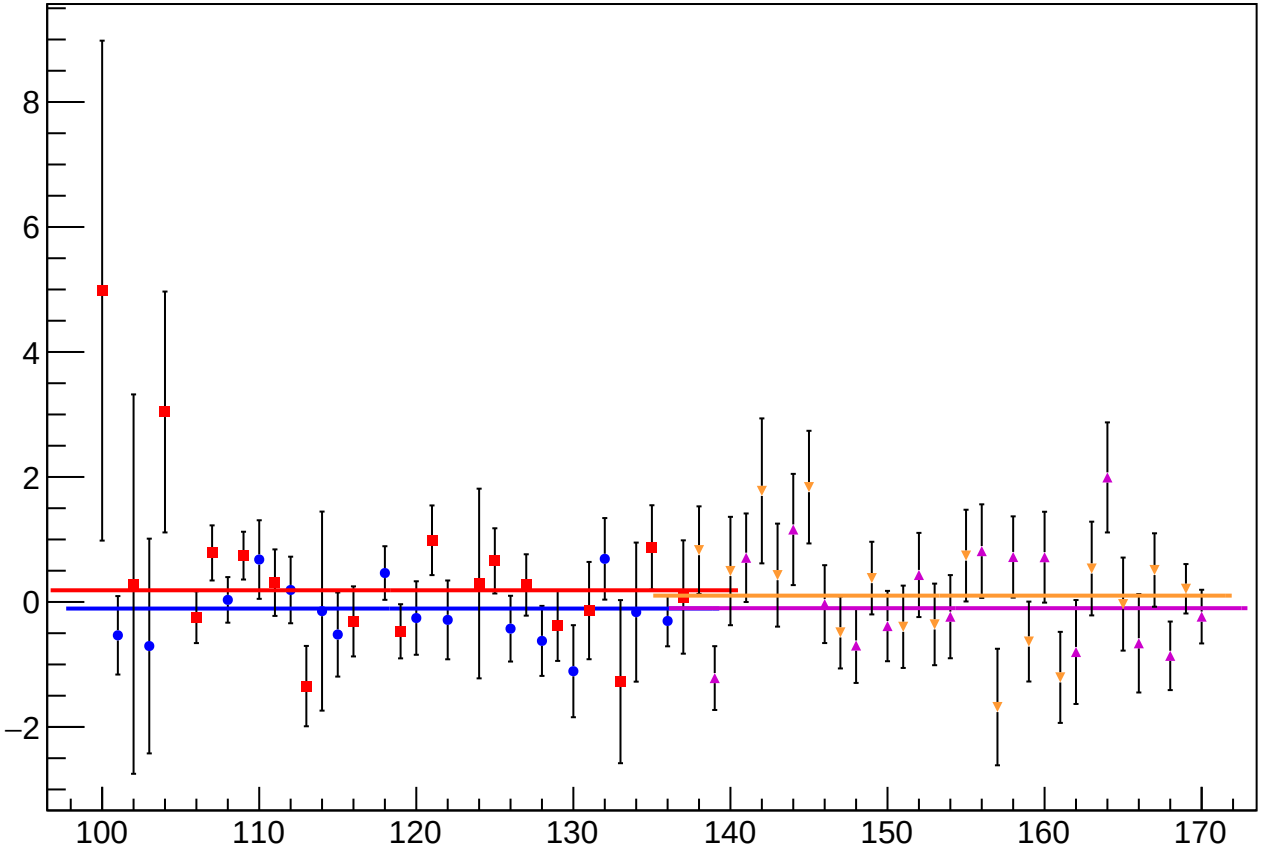
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.230+/-0.076 χ^2/NDF:4056666.9/31

Out: 432.423+/-0.074 χ^2/NDF:6231781.4/35

All: 442.125+/-0.053 χ^2/NDF: 10323267.6/67

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: 0.101+/-0.163 χ^2/NDF:19.5/16

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.100+/-0.160 χ^2/NDF:23.3/15

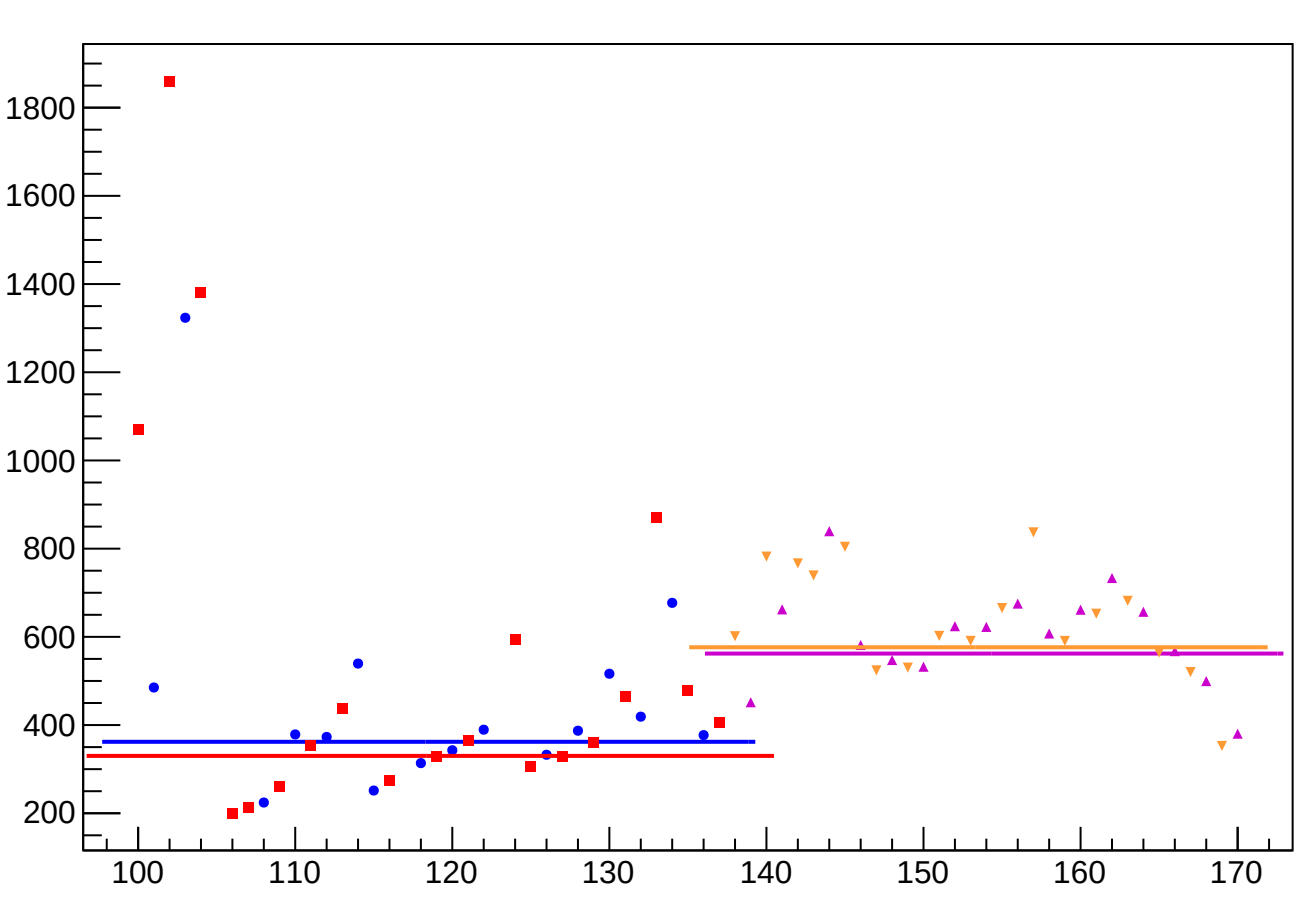
Left: -0.001+/-0.114 χ^2/NDF: 43.5/32

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.151+/-0.105 χ^2/NDF:43.5/35

All: 0.027+/-0.075 χ^2/NDF: 79.3/67



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 576.406+/-0.115 χ^2/NDF:1315109.7/16

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 562.106+/-0.113 χ^2/NDF:955244.8/15

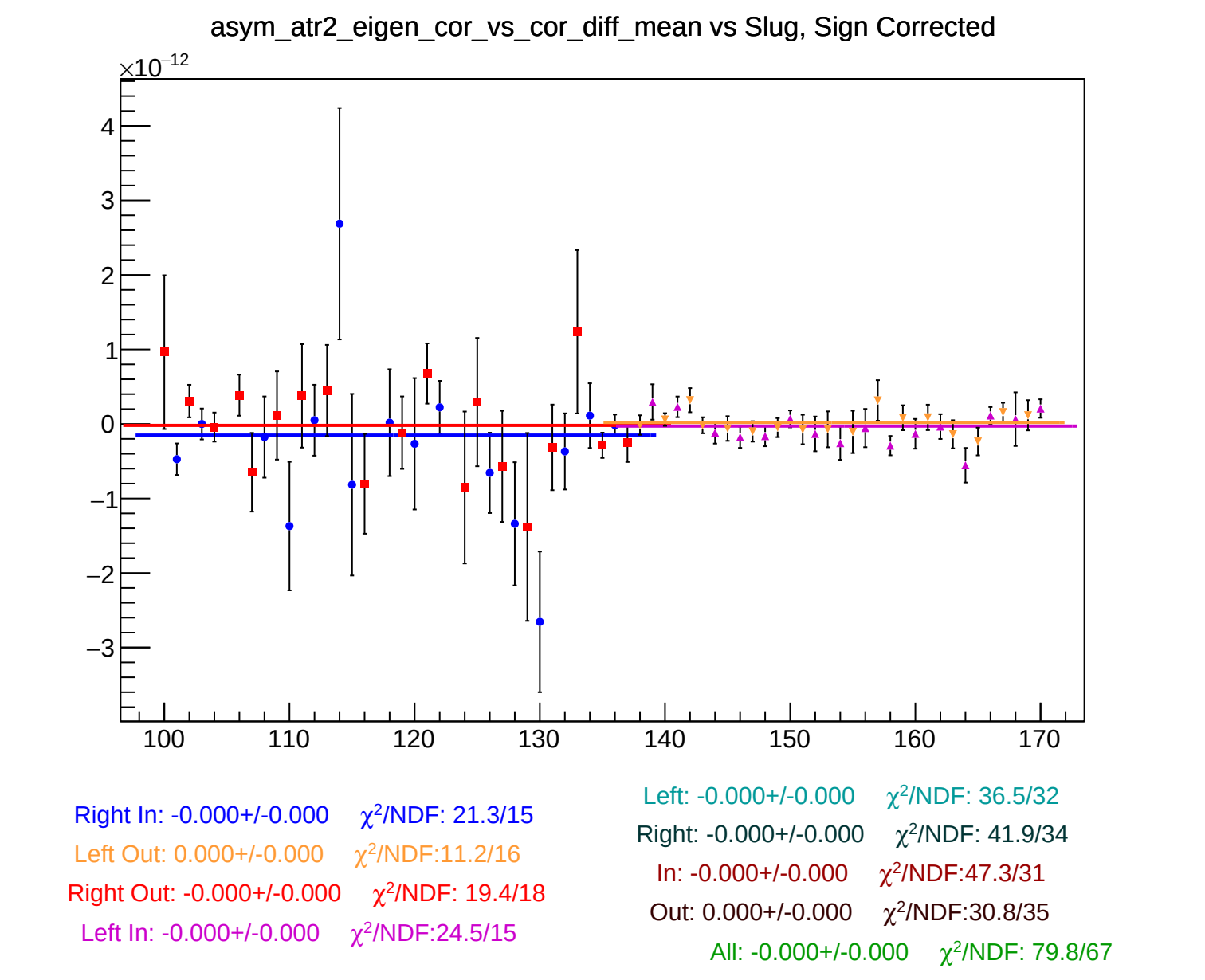
Left: 569.110+/-0.081 χ^2/NDF: 2278209.6/32

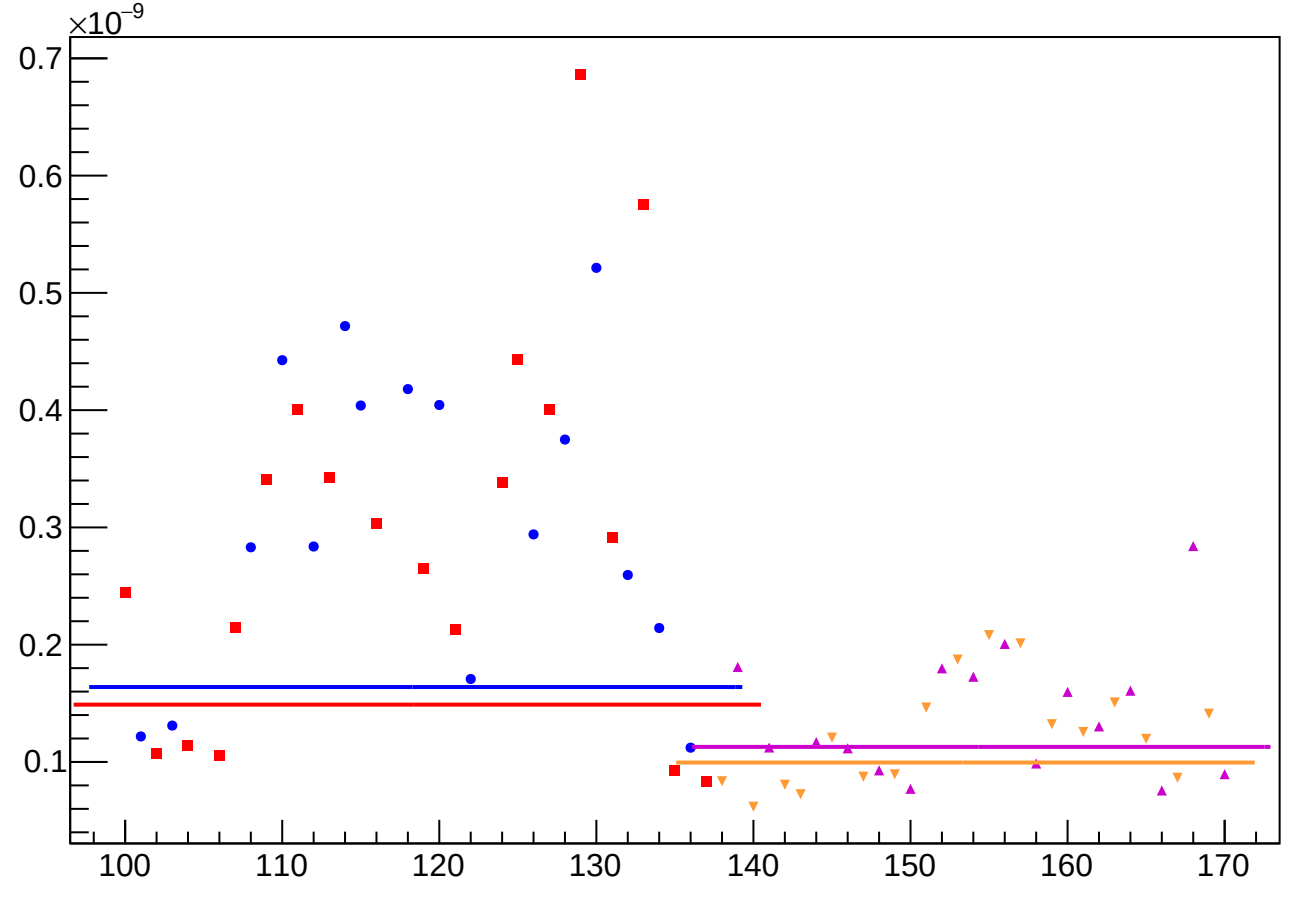
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.230+/-0.076 χ^2/NDF:4056666.9/31

Out: 432.423+/-0.074 χ^2/NDF:6231781.4/35

All: 442.125+/-0.053 χ^2/NDF: 10323267.6/67


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:11.2/16
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:24.5/15
Left: -0.000+/-0.000 χ²/NDF: 36.5/32
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:47.3/31
Out: 0.000+/-0.000 χ²/NDF:30.8/35
All: -0.000+/-0.000 χ²/NDF: 79.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1985414.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1927724.7/15

Left: 0.000+/-0.000 χ^2/NDF: 4036338.1/32

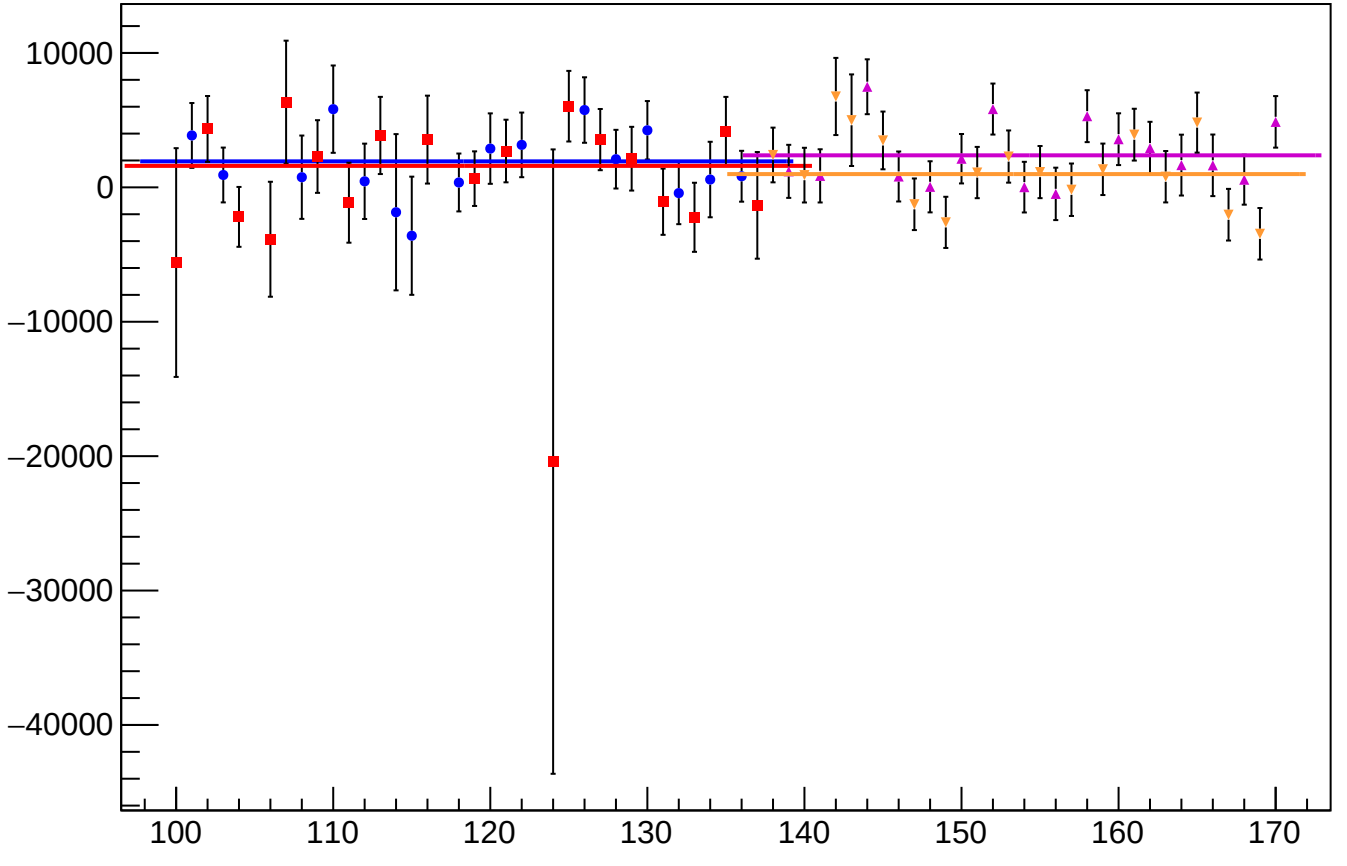
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4506327.9/31

Out: 0.000+/-0.000 χ^2/NDF:5418314.8/35

All: 0.000+/-0.000 χ^2/NDF: 10090886.0/67

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 987.135+/-495.009 χ^2/NDF:26.2/16

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2383.083+/-488.989 χ^2/NDF:22.1/15

Left: 1693.648+/-347.876 χ^2/NDF: 52.3/32

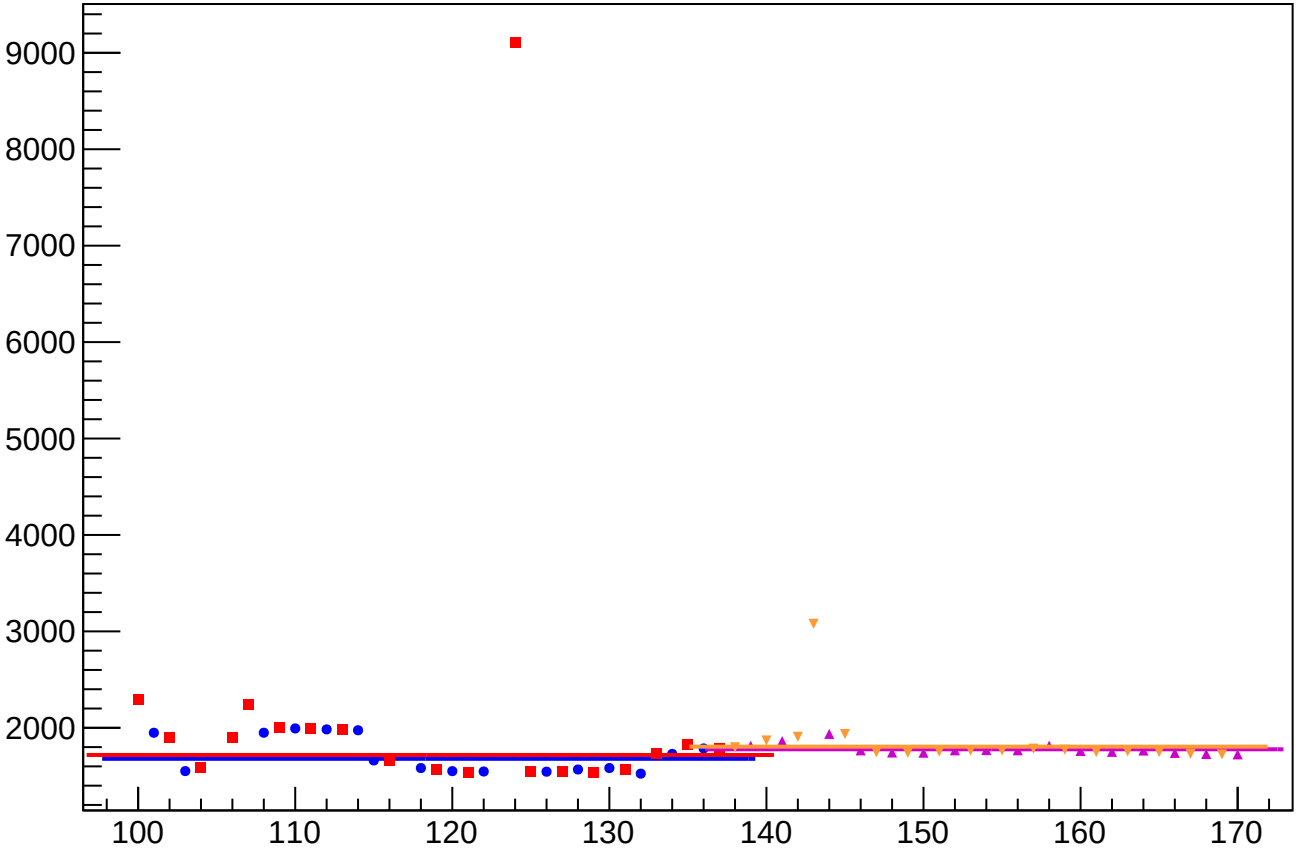
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2213.821+/-385.793 χ^2/NDF:33.3/31

Out: 1214.787+/-392.060 χ^2/NDF:46.1/35

All: 1722.351+/-274.986 χ^2/NDF: 82.7/67

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1804.647+/-0.350 χ^2/NDF:310164.1/16

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

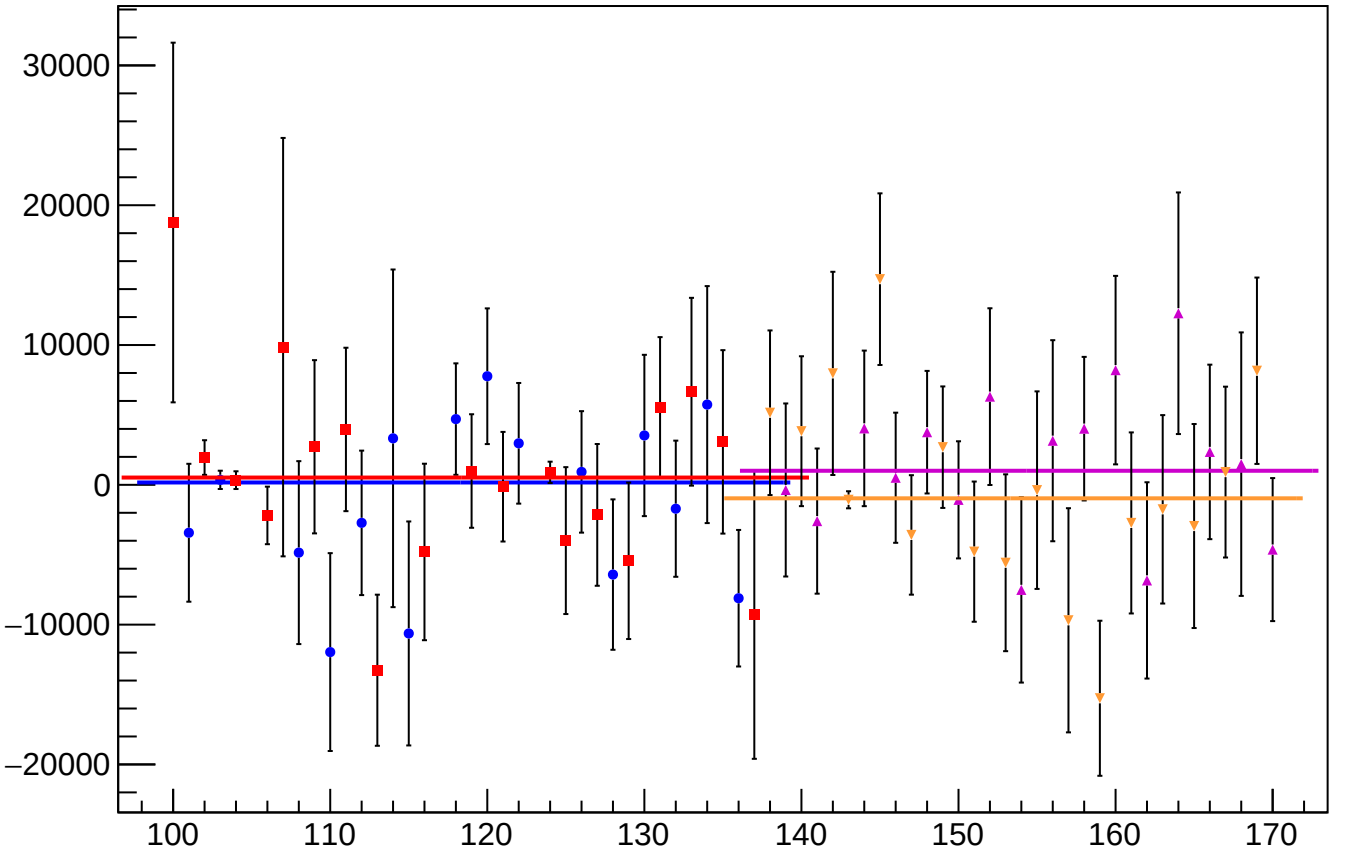
Left: 1790.730+/-0.246 χ^2/NDF: 336225.5/32

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1739.921+/-0.273 χ^2/NDF:195124.6/31

Out: 1772.279+/-0.277 χ^2/NDF:716152.5/35

All: 1755.868+/-0.194 χ^2/NDF: 918211.1/67



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -964.497+/-563.643 χ^2/NDF:22.1/16

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1006.020+/-1433.587 χ^2/NDF:9.6/15

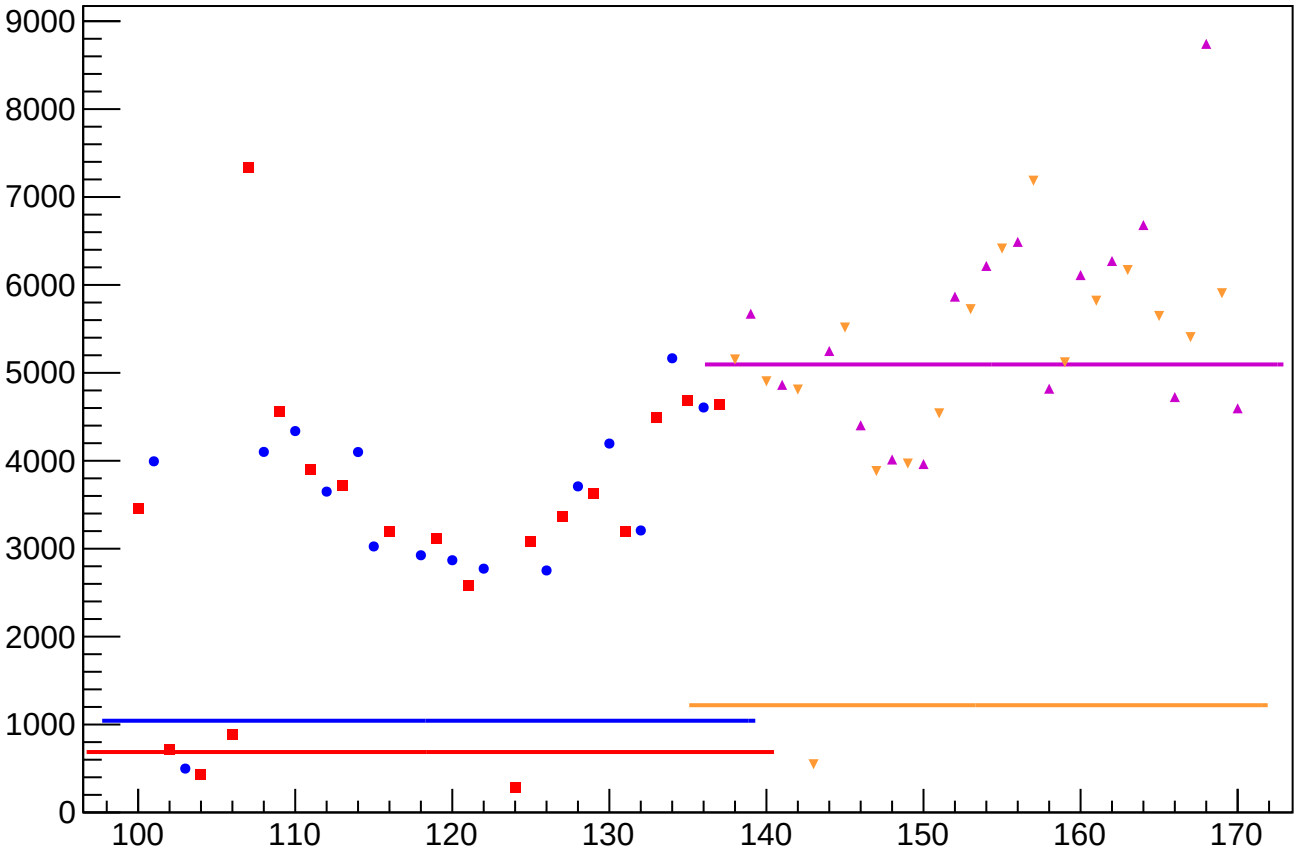
Left: -700.672+/-524.556 χ^2/NDF: 33.4/32

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 290.189+/-546.870 χ^2/NDF:25.7/31

Out: -17.044+/-339.233 χ^2/NDF:45.1/35

All: 68.327+/-288.274 χ^2/NDF: 71.1/67



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1219.860+/-0.399 χ^2/NDF:17123458.6/16

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5095.661+/-1.014 χ^2/NDF:997418.2/15

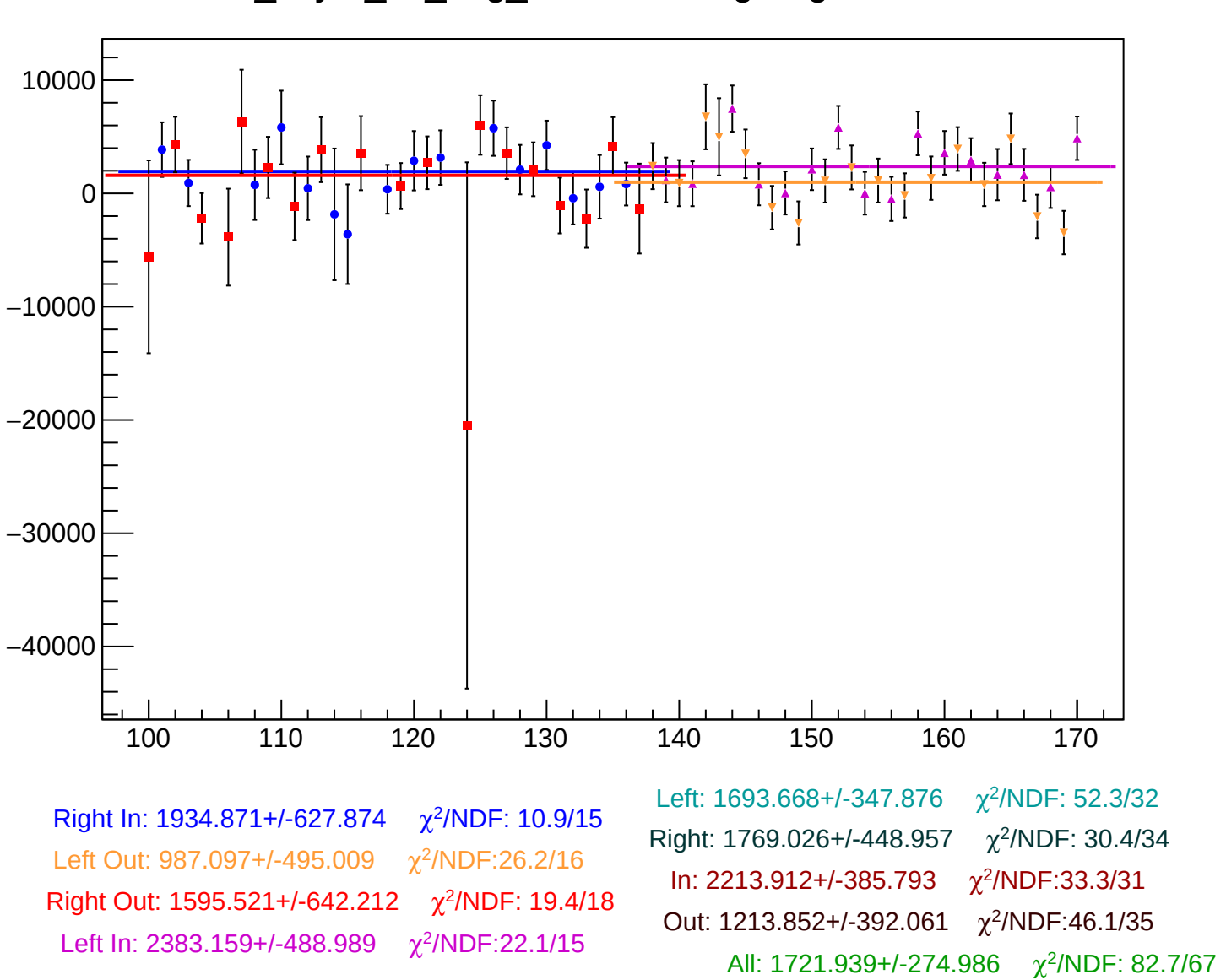
Left: 1738.776+/-0.371 χ^2/NDF: 30782223.0/32

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

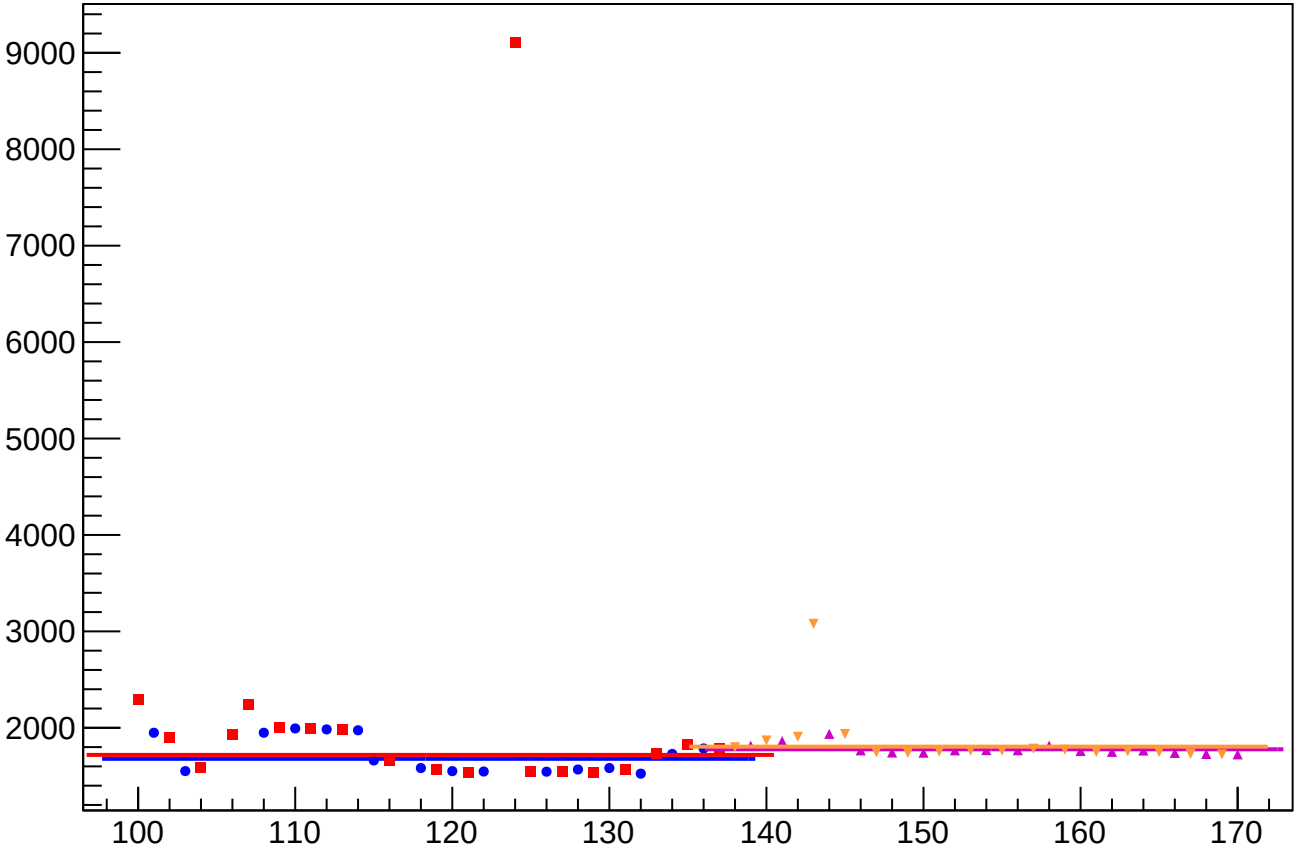
In: 1632.840+/-0.387 χ^2/NDF:22765824.7/31

Out: 880.229+/-0.240 χ^2/NDF:26893591.4/35

All: 1089.358+/-0.204 χ^2/NDF: 52394796.0/6


cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 987.097+/-495.009 χ²/NDF:26.2/16
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2383.159+/-488.989 χ²/NDF:22.1/15
Left: 1693.668+/-347.876 χ²/NDF: 52.3/32
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2213.912+/-385.793 χ²/NDF:33.3/31
Out: 1213.852+/-392.061 χ²/NDF:46.1/35
All: 1721.939+/-274.986 χ²/NDF: 82.7/67

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1804.647+/-0.350 χ^2/NDF:310164.1/16

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

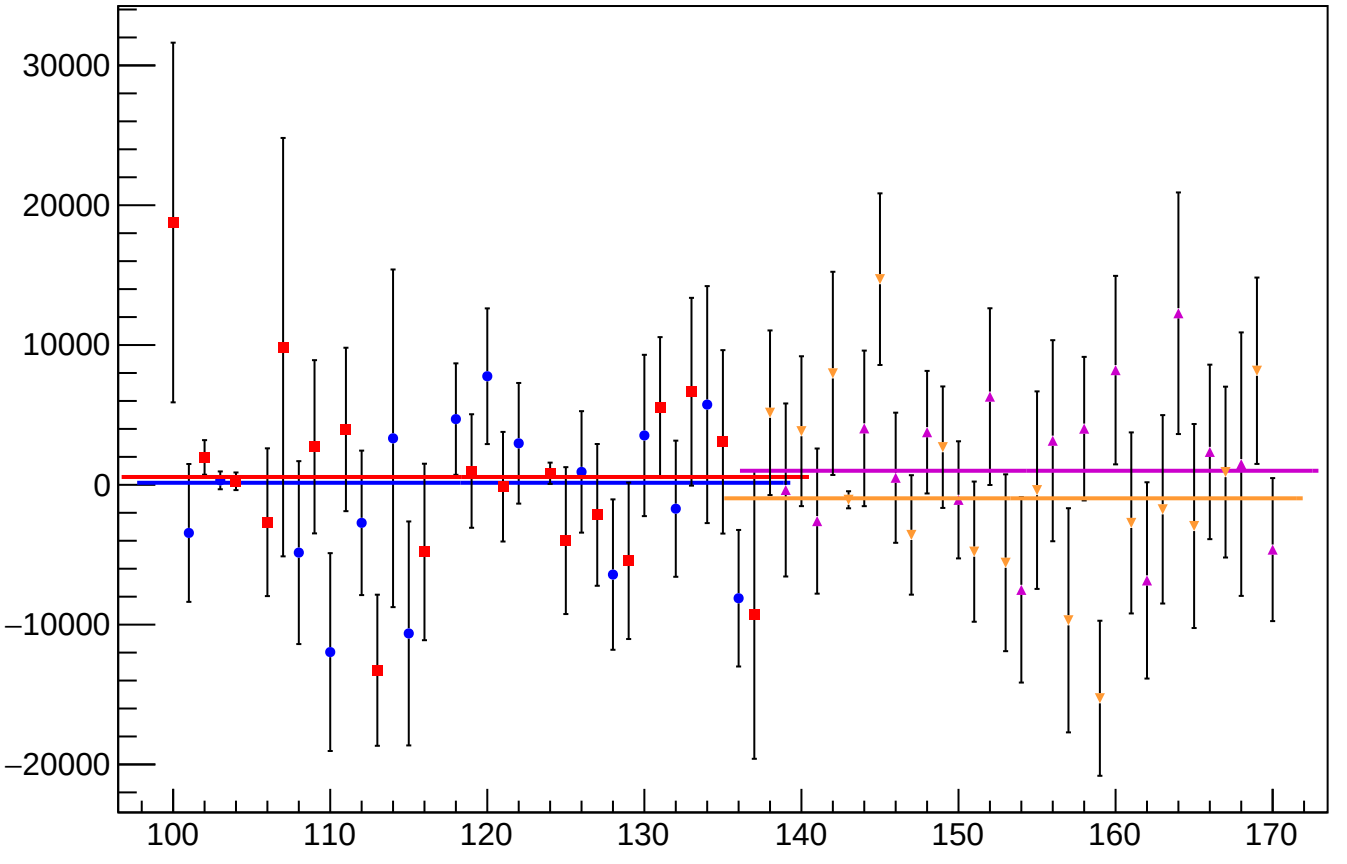
Left: 1790.730+/-0.246 χ^2/NDF: 336225.5/32

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.921+/-0.273 χ^2/NDF:195124.7/31

Out: 1772.612+/-0.277 χ^2/NDF:717443.0/35

All: 1756.029+/-0.194 χ^2/NDF: 919643.8/67



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -964.156+/-563.624 χ^2/NDF:22.1/16

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1006.115+/-1433.586 χ^2/NDF:9.6/15

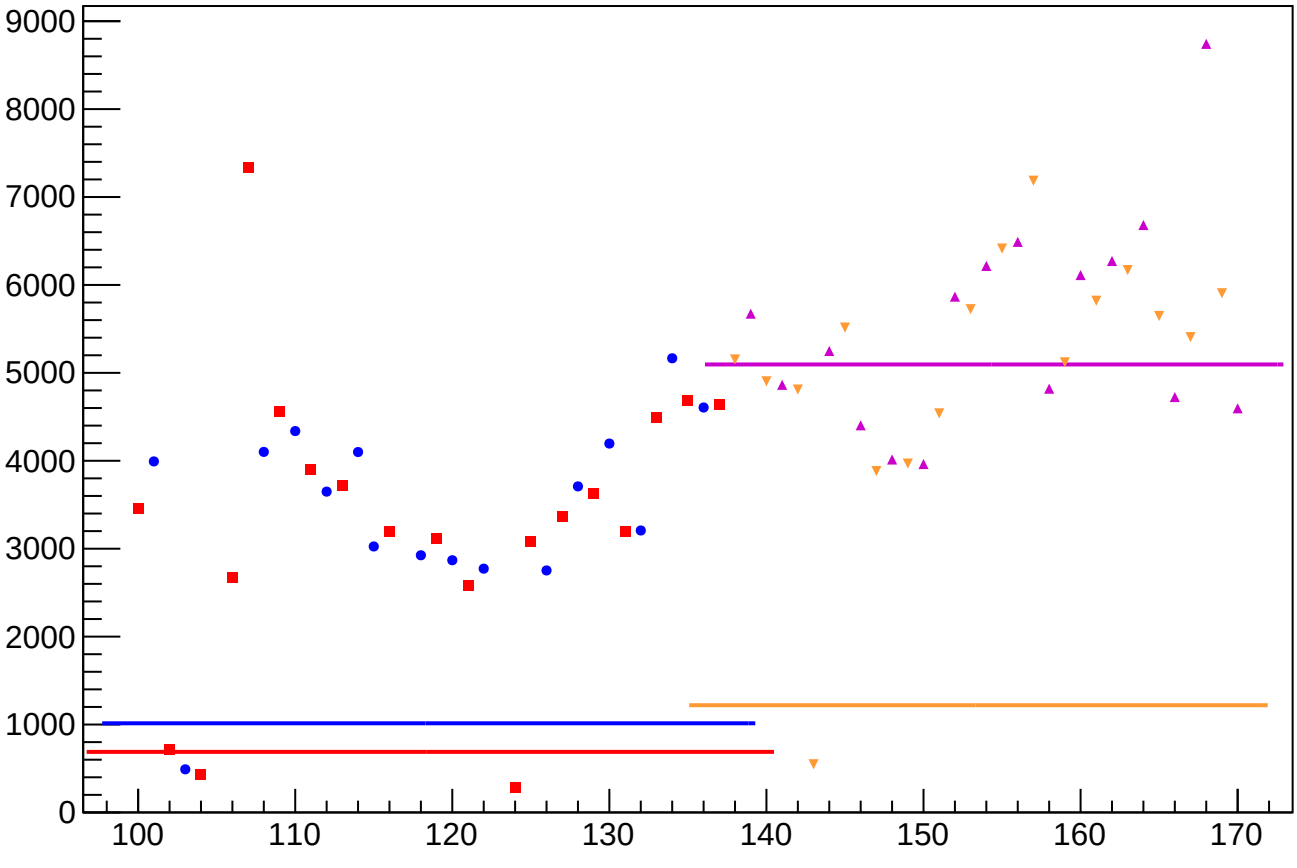
Left: -700.380+/-524.540 χ^2/NDF: 33.4/32

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 267.225+/-537.150 χ^2/NDF:25.7/31

Out: -0.855+/-342.180 χ^2/NDF:43.9/35

All: 76.530+/-288.597 χ^2/NDF: 69.9/67



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1219.794+/-0.399 χ^2/NDF:17123823.6/16

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5095.655+/-1.014 χ^2/NDF:997438.3/15

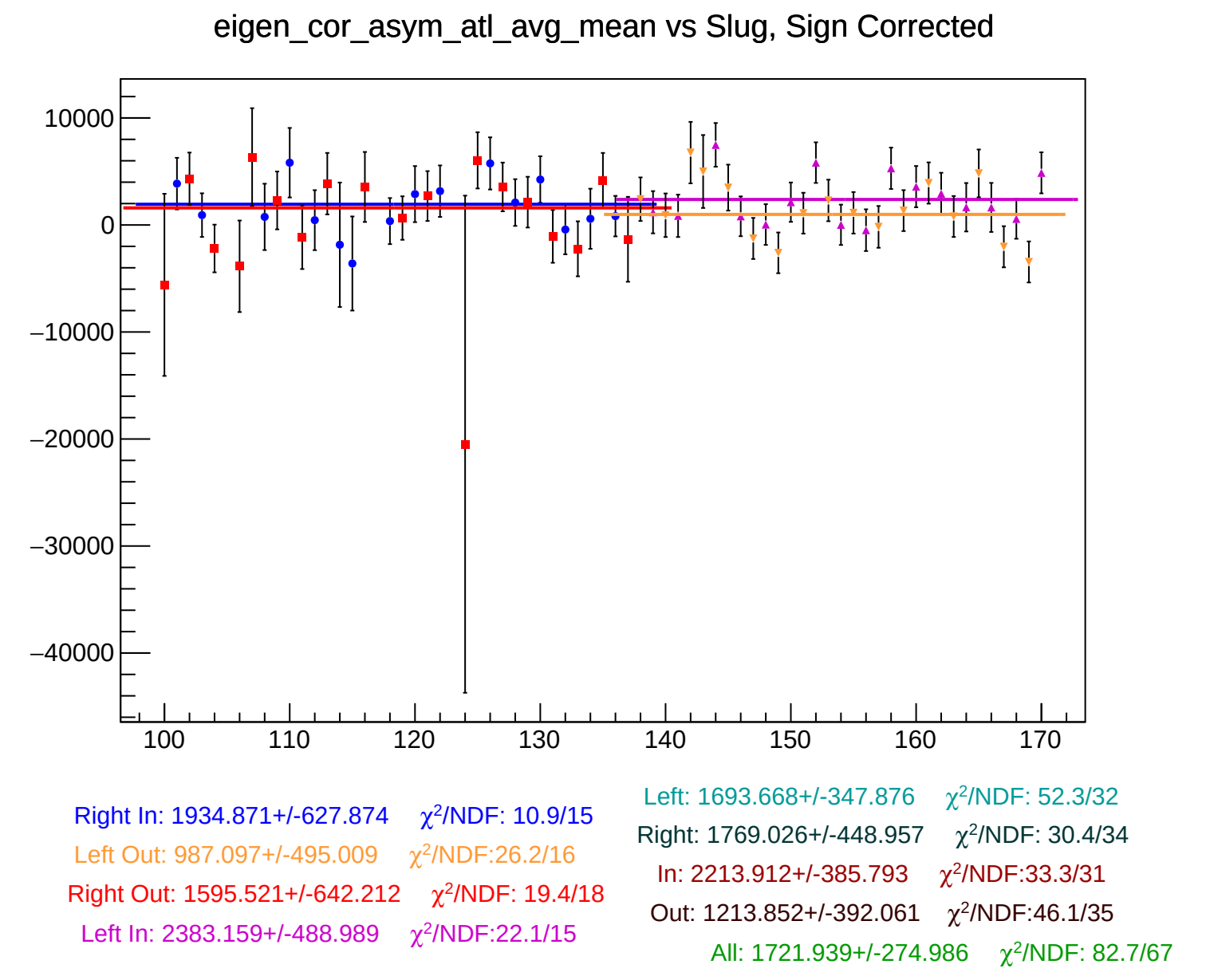
Left: 1738.687+/-0.371 χ^2/NDF: 30783139.7/32

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

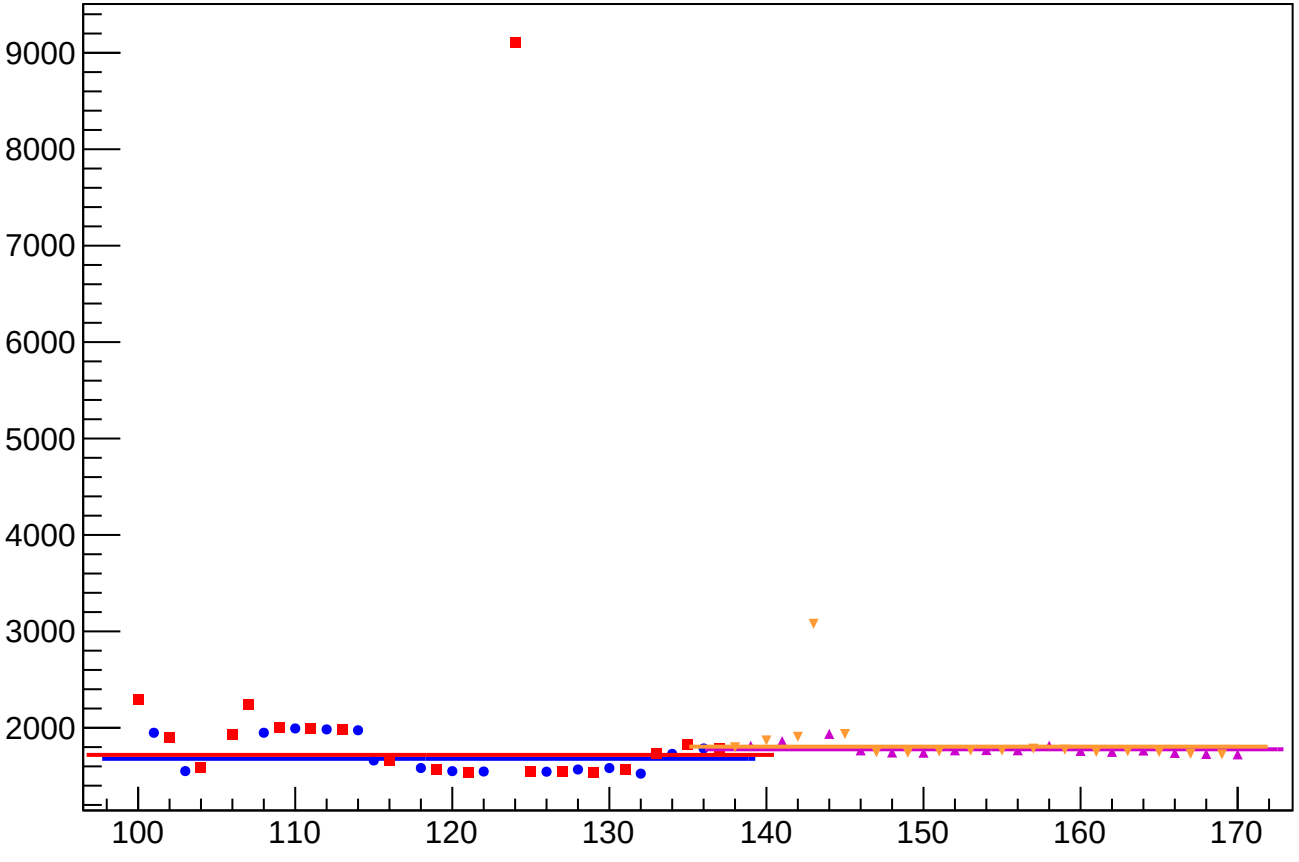
In: 1587.115+/-0.380 χ^2/NDF:23156365.6/31

Out: 884.674+/-0.242 χ^2/NDF:27153967.3/35

All: 1087.444+/-0.204 χ^2/NDF: 52743281.5/6


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 987.097+/-495.009 χ²/NDF:26.2/16
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2383.159+/-488.989 χ²/NDF:22.1/15
Left: 1693.668+/-347.876 χ²/NDF: 52.3/32
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2213.912+/-385.793 χ²/NDF:33.3/31
Out: 1213.852+/-392.061 χ²/NDF:46.1/35
All: 1721.939+/-274.986 χ²/NDF: 82.7/67

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1804.647+/-0.350 χ^2/NDF:310164.1/16

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

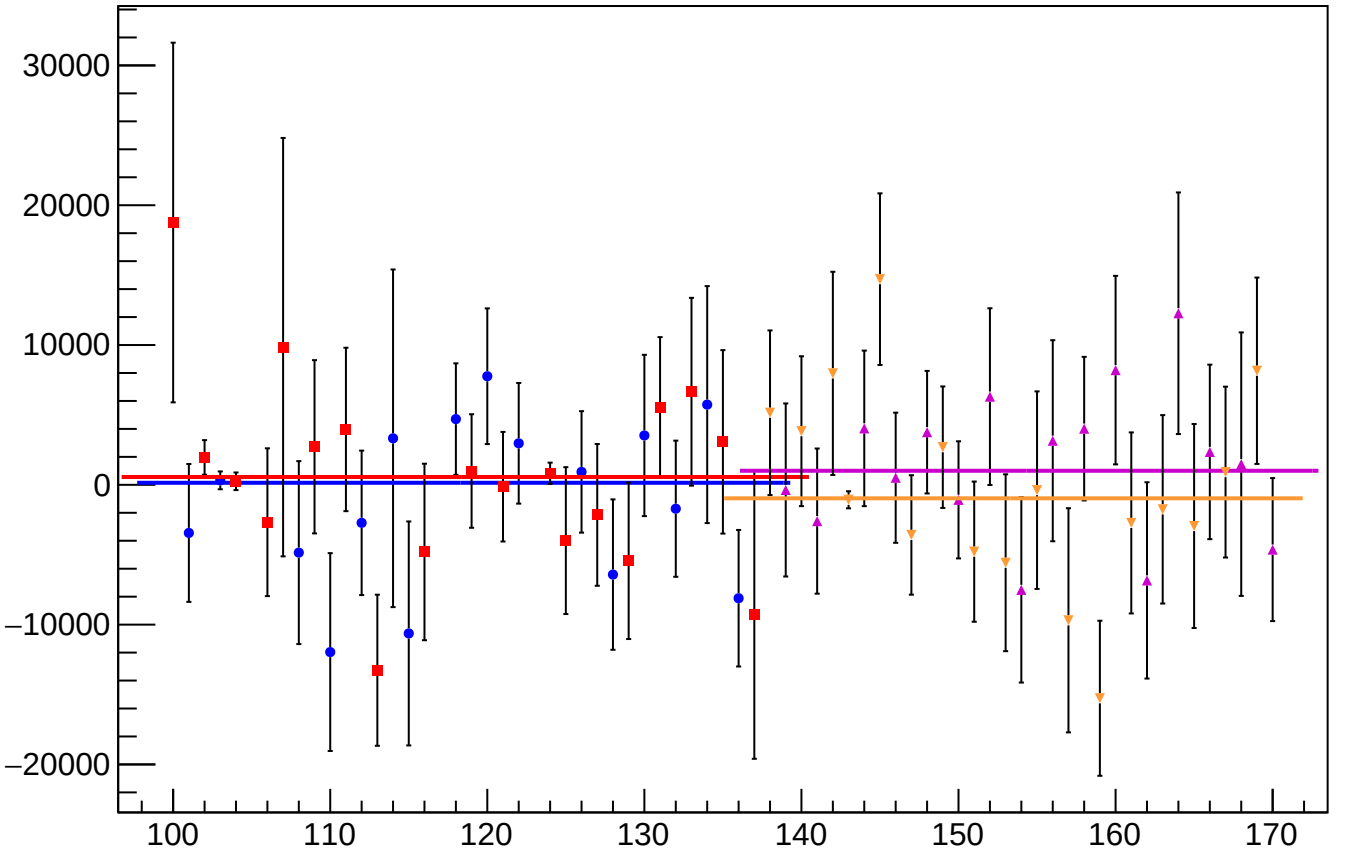
Left: 1790.730+/-0.246 χ^2/NDF: 336225.5/32

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.921+/-0.273 χ^2/NDF:195124.7/31

Out: 1772.612+/-0.277 χ^2/NDF:717443.0/35

All: 1756.029+/-0.194 χ^2/NDF: 919643.8/67



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -964.156+/-563.624 χ^2/NDF:22.1/16

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1006.115+/-1433.586 χ^2/NDF:9.6/15

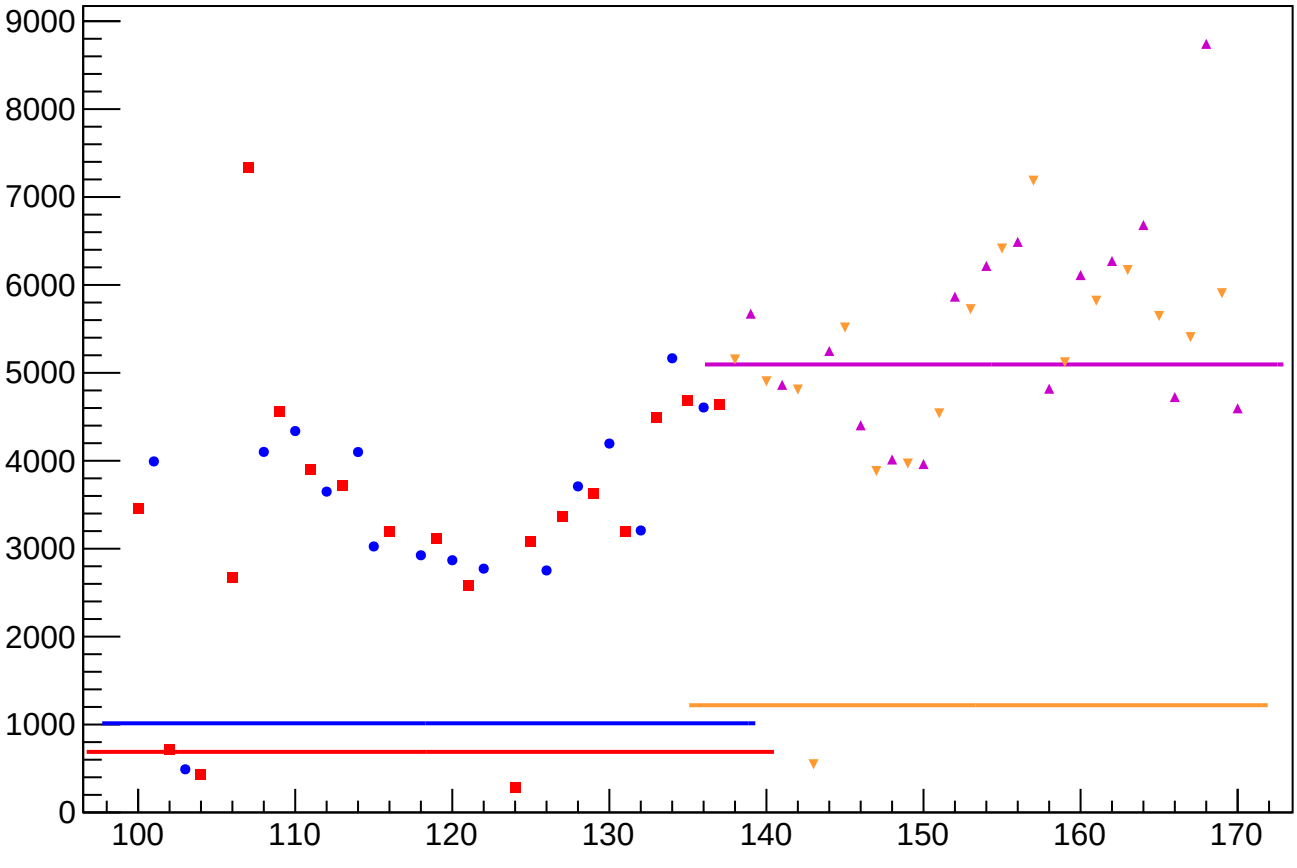
Left: -700.380+/-524.540 χ^2/NDF: 33.4/32

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 267.225+/-537.150 χ^2/NDF:25.7/31

Out: -0.855+/-342.180 χ^2/NDF:43.9/35

All: 76.530+/-288.597 χ^2/NDF: 69.9/67



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1219.794+/-0.399 χ^2/NDF:17123823.6/16

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5095.655+/-1.014 χ^2/NDF:997438.3/15

Left: 1738.687+/-0.371 χ^2/NDF: 30783139.7/32

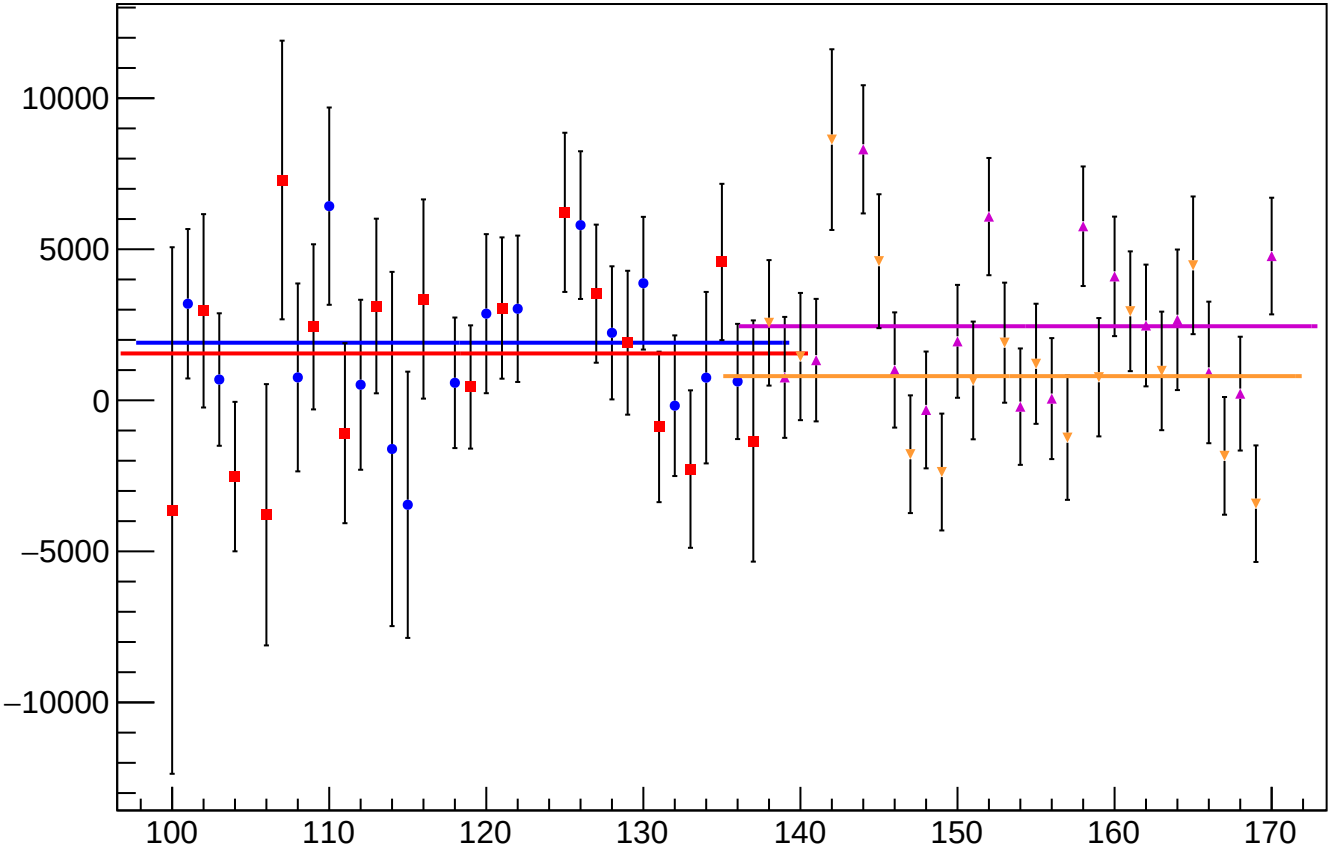
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1587.115+/-0.380 χ^2/NDF:23156365.6/31

Out: 884.674+/-0.242 χ^2/NDF:27153967.3/35

All: 1087.444+/-0.204 χ^2/NDF: 52743281.5/6

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 800.242+/-512.390 χ^2/NDF:26.8/15

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2451.859+/-499.847 χ^2/NDF:25.0/15

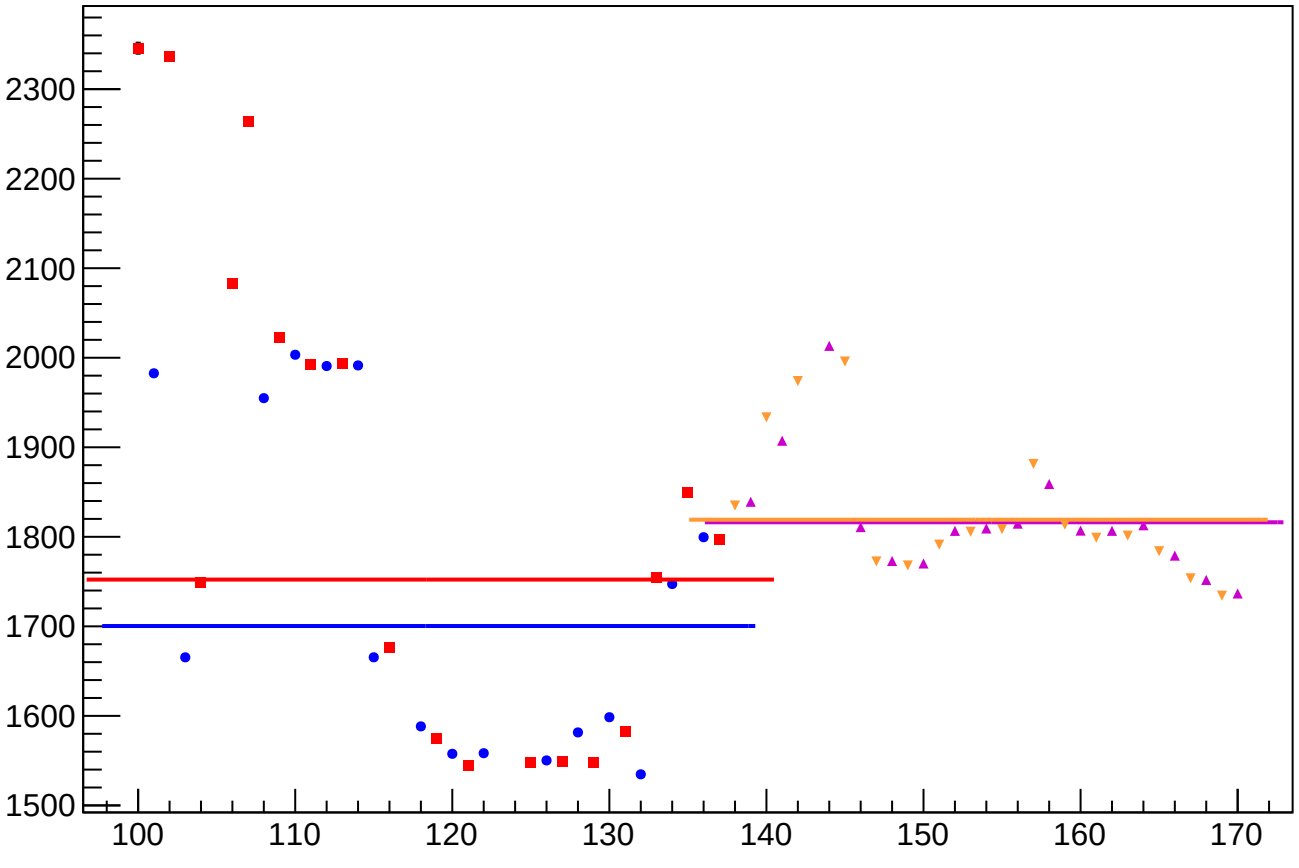
Left: 1646.513+/-357.798 χ^2/NDF: 57.1/31

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2243.688+/-393.101 χ^2/NDF:35.6/31

Out: 1082.005+/-404.979 χ^2/NDF:45.1/33

All: 1680.132+/-282.070 χ^2/NDF: 84.9/65



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1819.113+/-0.362 χ^2/NDF:36001.1/15

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1816.224+/-0.353 χ^2/NDF:31113.4/15

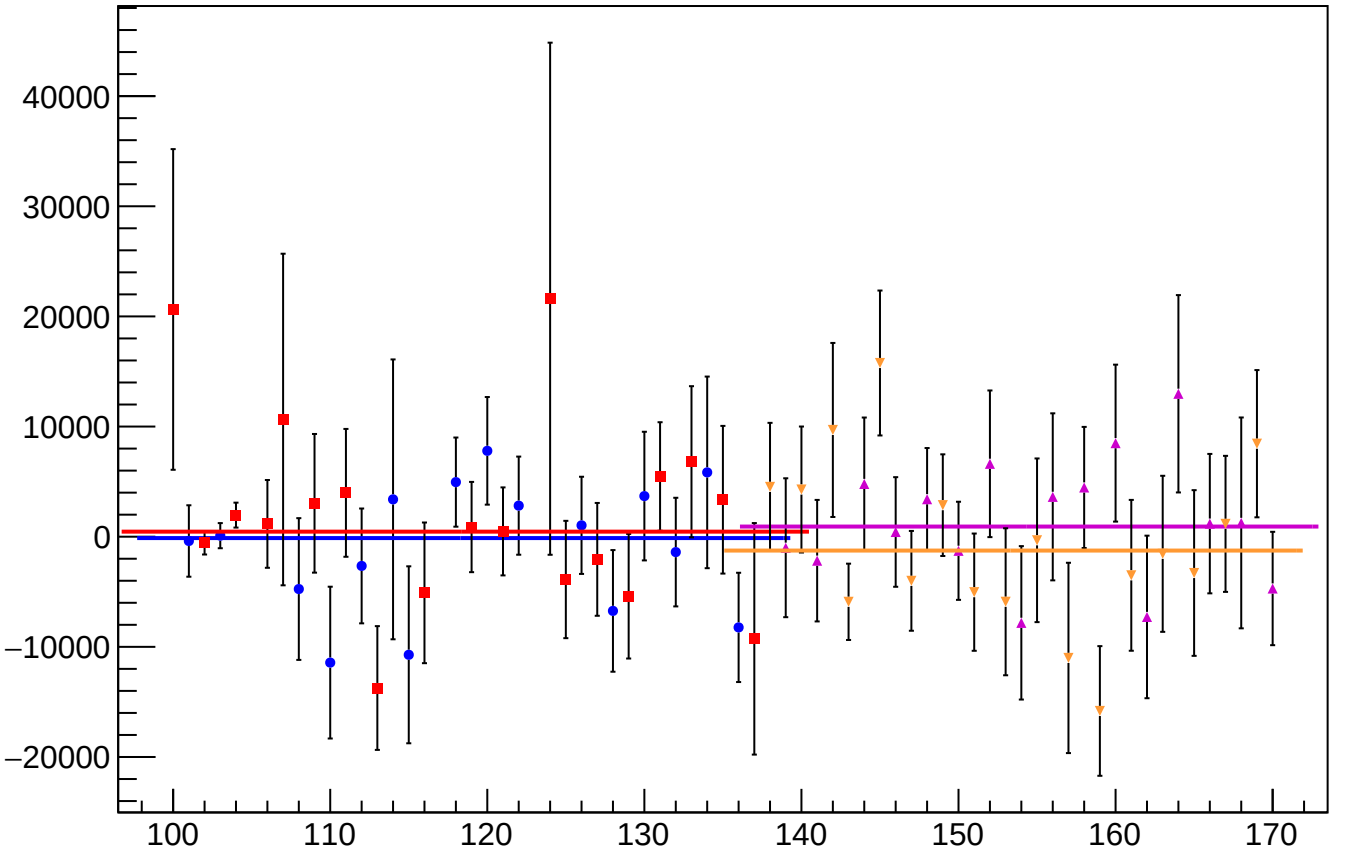
Left: 1817.632+/-0.253 χ^2/NDF: 67147.1/31

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1772.020+/-0.278 χ^2/NDF:207532.0/31

Out: 1793.943+/-0.286 χ^2/NDF:296776.3/33

All: 1782.664+/-0.199 χ^2/NDF: 507328.5/65



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1258.274+/-1408.682 χ^2/NDF:24.4/16

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 921.064+/-1506.710 χ^2/NDF:9.6/15

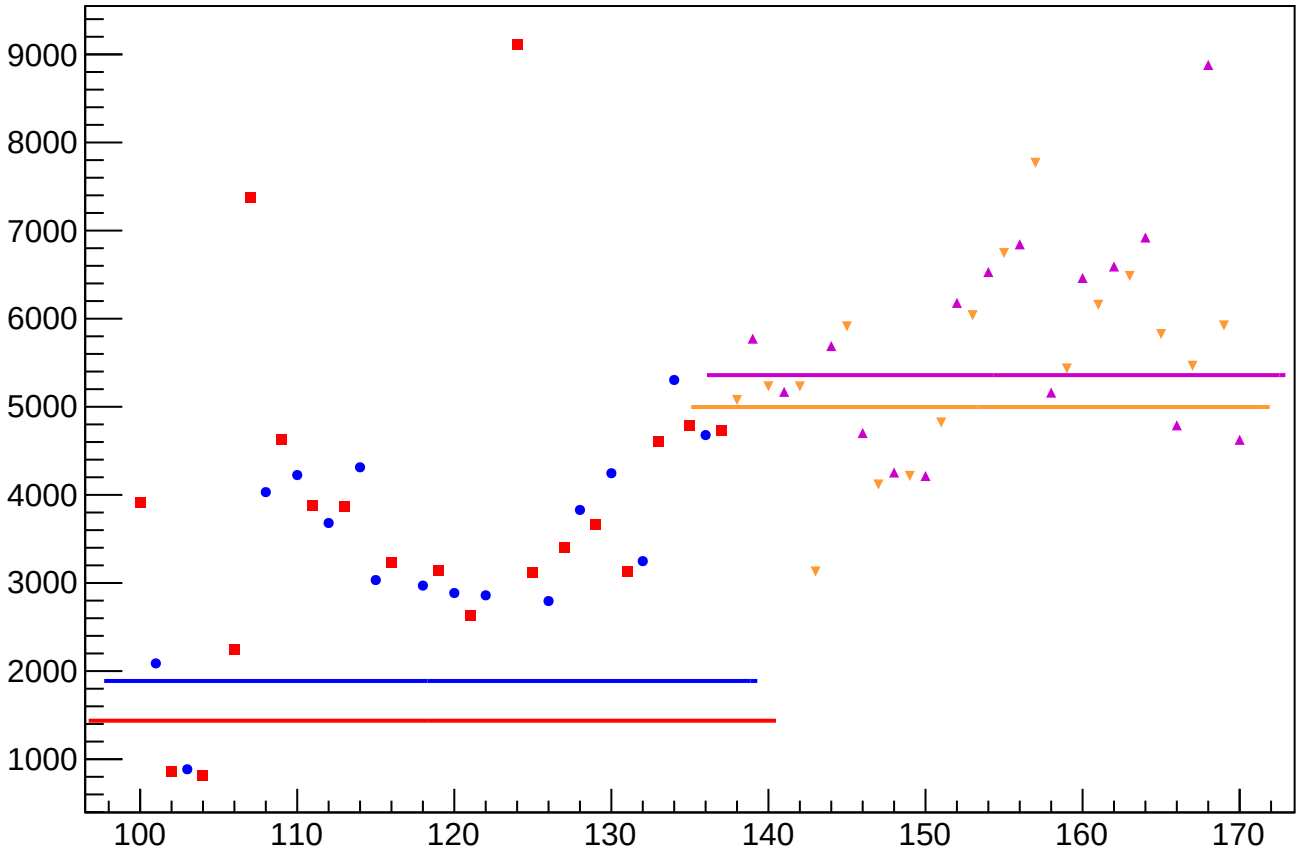
Left: -241.801+/-1029.000 χ^2/NDF: 35.1/32

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 135.148+/-751.889 χ^2/NDF:25.0/31

Out: 135.467+/-611.768 χ^2/NDF:44.1/35

All: 135.340+/-474.537 χ^2/NDF: 69.1/67



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4997.095+/-0.996 χ^2/NDF:1356676.2/16

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5359.534+/-1.065 χ^2/NDF:955515.6/15

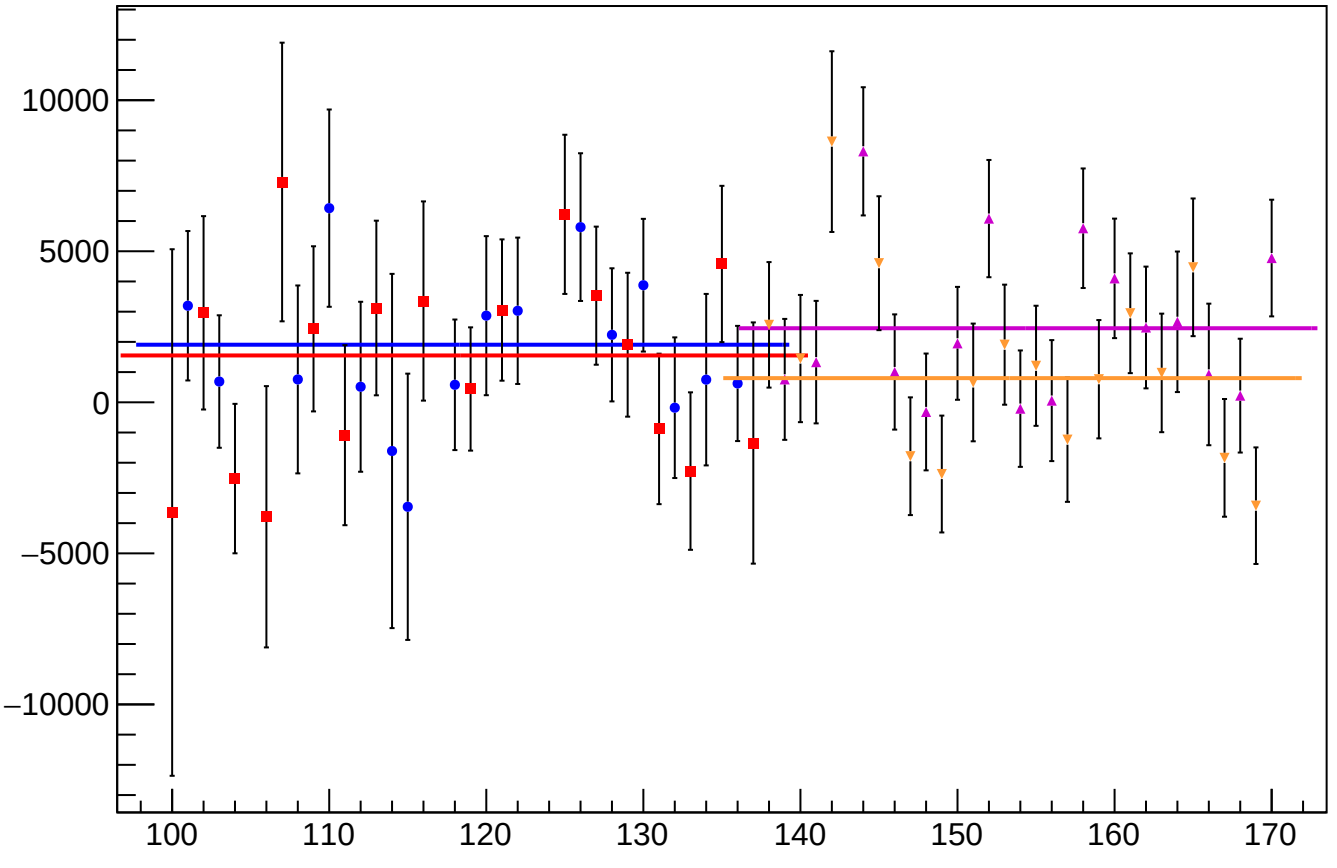
Left: 5166.142+/-0.728 χ^2/NDF: 2373942.8/32

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2752.509+/-0.532 χ^2/NDF:13354497.4/31

Out: 2108.531+/-0.433 χ^2/NDF:17685044.1/35

All: 2365.040+/-0.336 χ^2/NDF: 31922275.6/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 800.238+/-512.390 χ^2/NDF:26.8/15

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2451.860+/-499.848 χ^2/NDF:25.0/15

Left: 1646.511+/-357.798 χ^2/NDF: 57.1/31

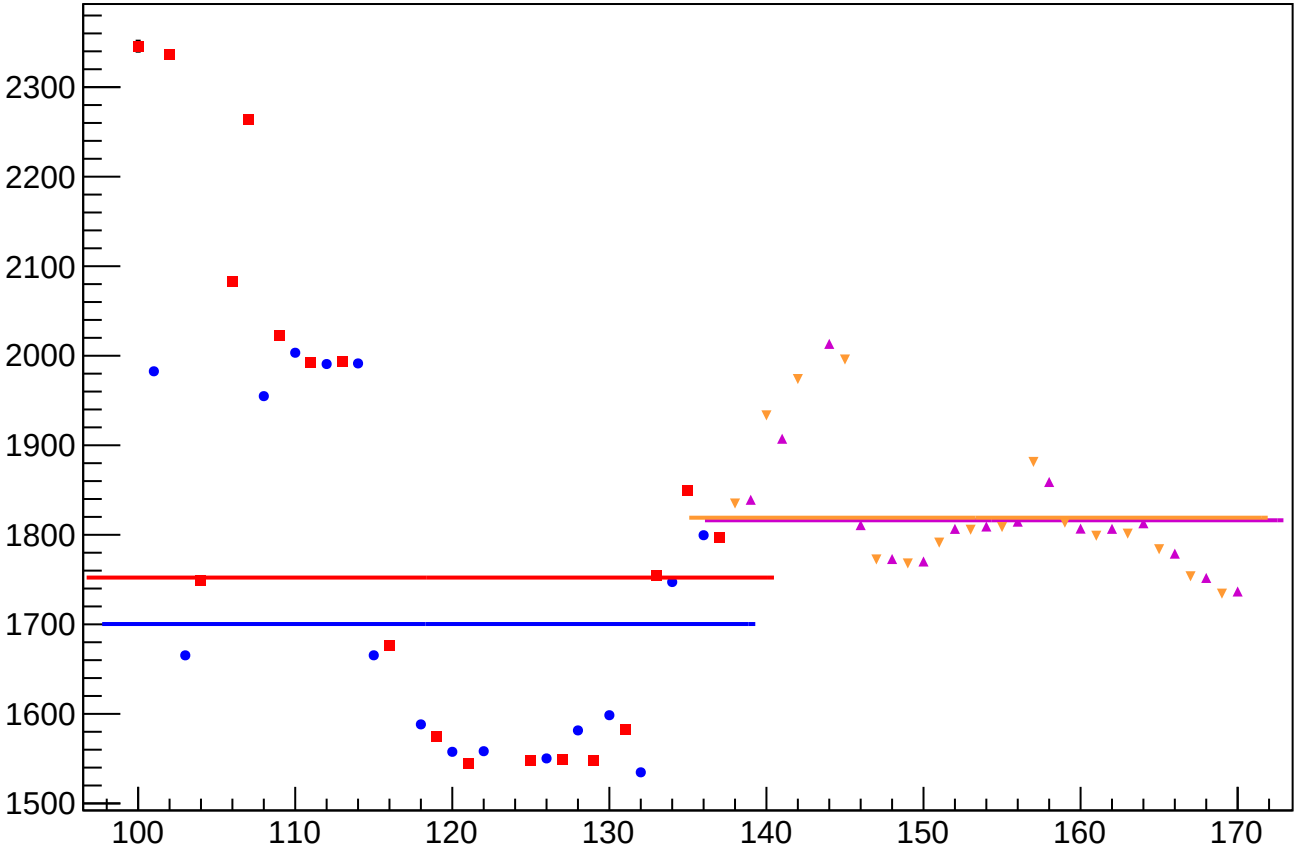
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2243.688+/-393.102 χ^2/NDF:35.6/31

Out: 1082.001+/-404.979 χ^2/NDF:45.1/33

All: 1680.130+/-282.070 χ^2/NDF: 84.9/65

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1819.114+/-0.362 χ^2/NDF:36001.8/15

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1816.225+/-0.353 χ^2/NDF:31113.8/15

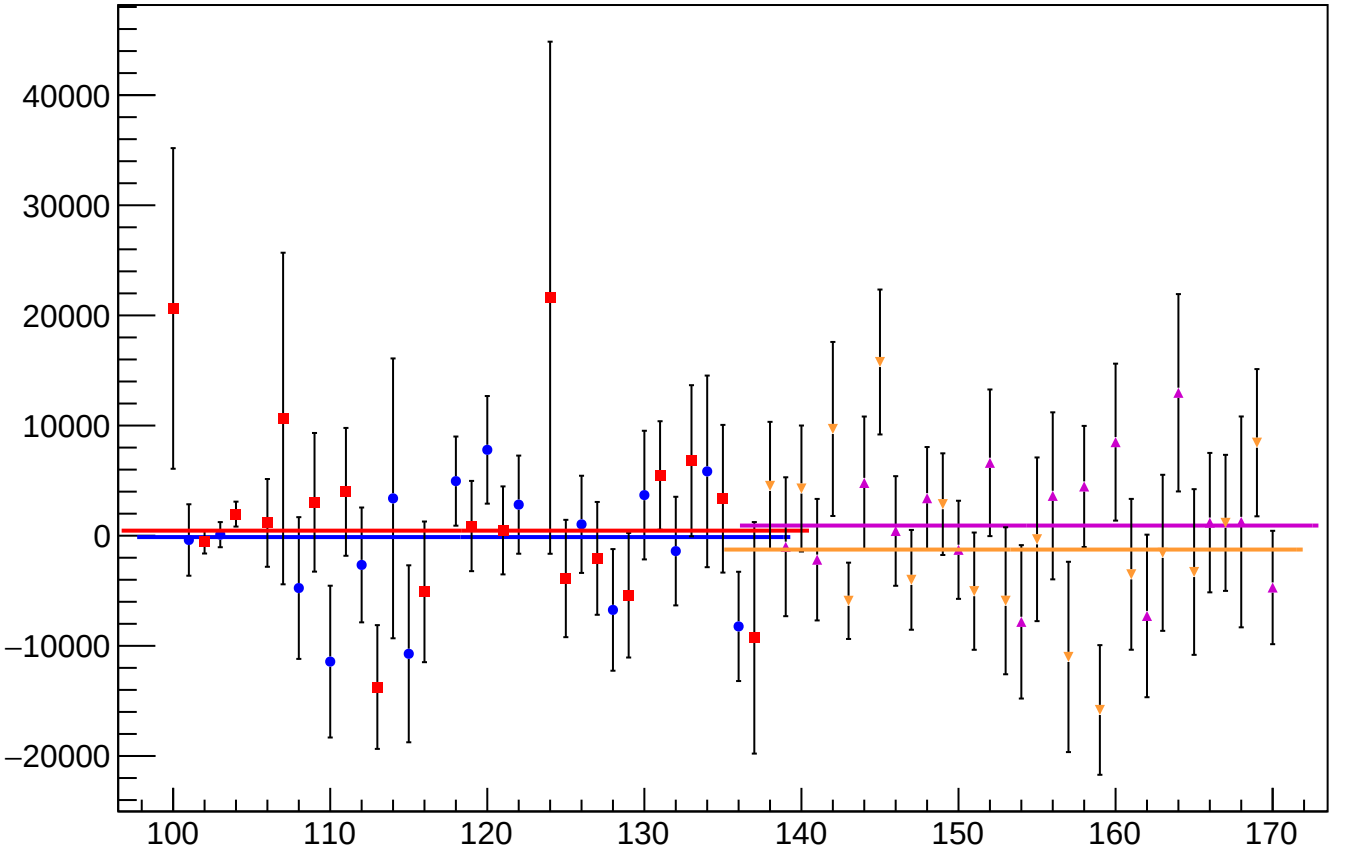
Left: 1817.634+/-0.253 χ^2/NDF: 67148.2/31

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1772.020+/-0.278 χ^2/NDF:207533.7/31

Out: 1793.943+/-0.286 χ^2/NDF:296777.1/33

All: 1782.665+/-0.199 χ^2/NDF: 507331.1/65



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1258.280+/-1408.683 χ^2/NDF:24.4/16

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 921.063+/-1506.712 χ^2/NDF:9.6/15

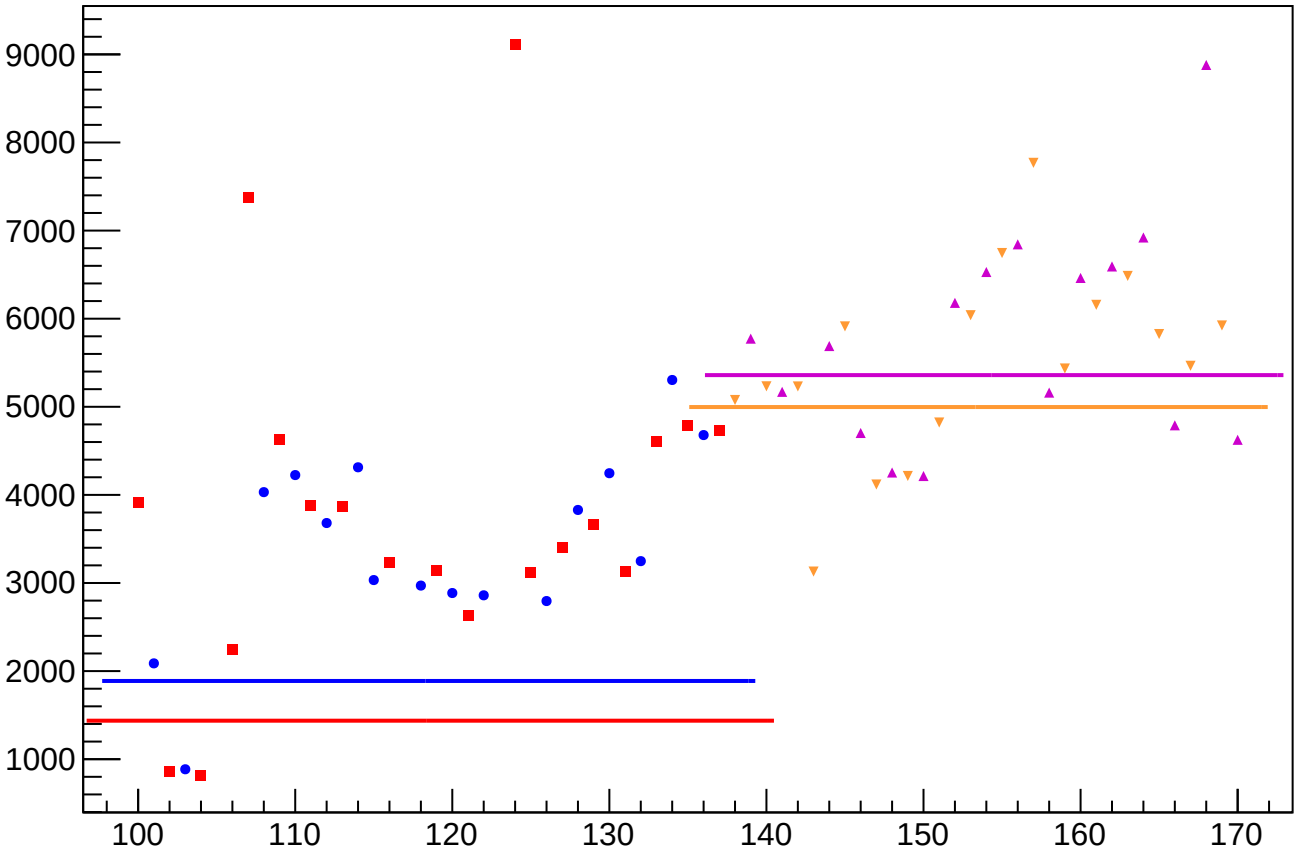
Left: -241.805+/-1029.001 χ^2/NDF: 35.1/32

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 135.148+/-751.886 χ^2/NDF:25.0/31

Out: 135.470+/-611.765 χ^2/NDF:44.1/35

All: 135.342+/-474.534 χ^2/NDF: 69.1/67



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4997.100+/-0.996 χ^2/NDF:1356683.7/16

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5359.540+/-1.065 χ^2/NDF:955519.5/15

Left: 5166.147+/-0.728 χ^2/NDF: 2373954.5/32

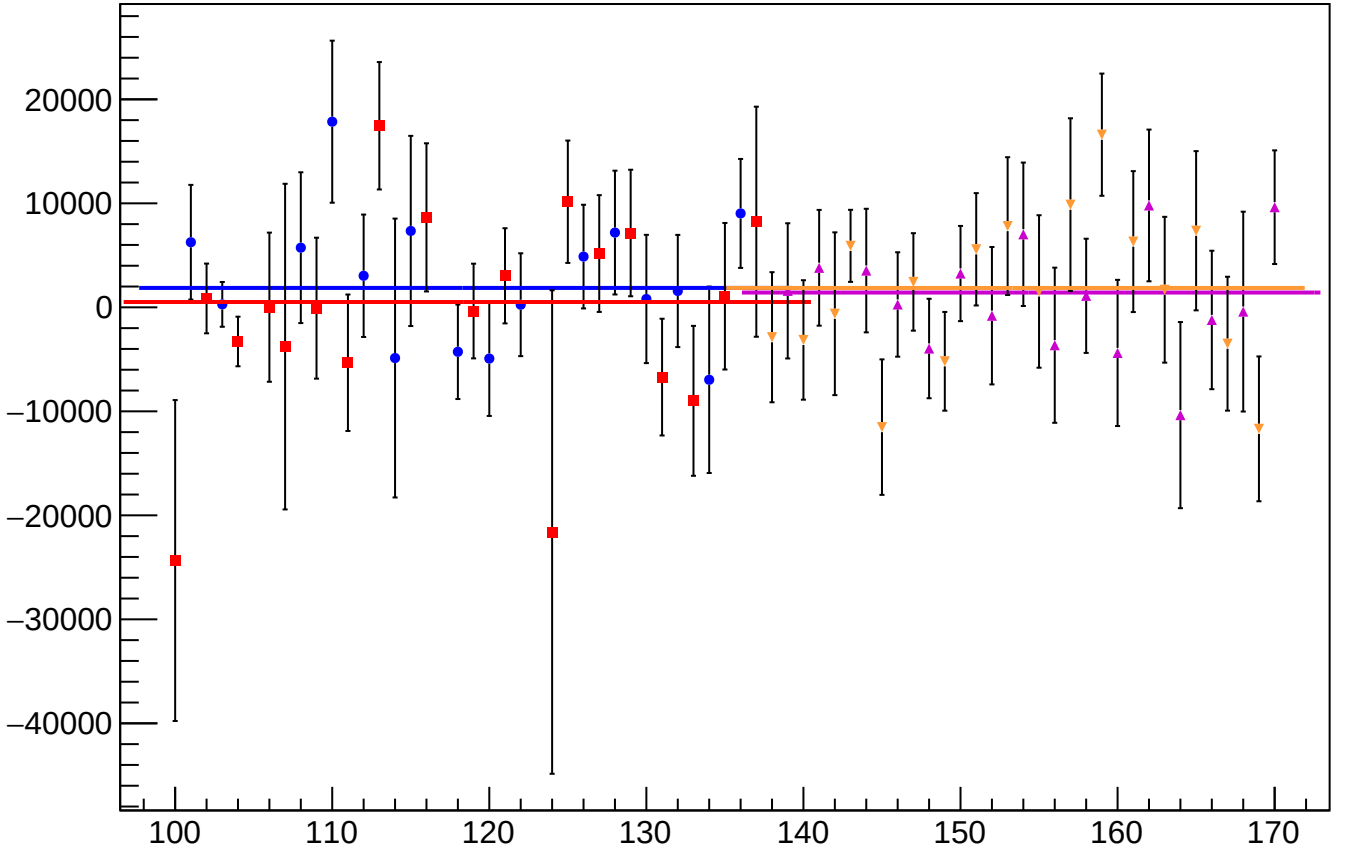
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2752.488+/-0.532 χ^2/NDF:13354654.2/31

Out: 2108.512+/-0.433 χ^2/NDF:17685204.1/35

All: 2365.020+/-0.336 χ^2/NDF: 31922597.4/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1864.745+/-1425.489 χ^2/NDF:23.2/16

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1422.664+/-1526.899 χ^2/NDF:9.2/15

Left: 1658.871+/-1041.981 χ^2/NDF: 32.4/32

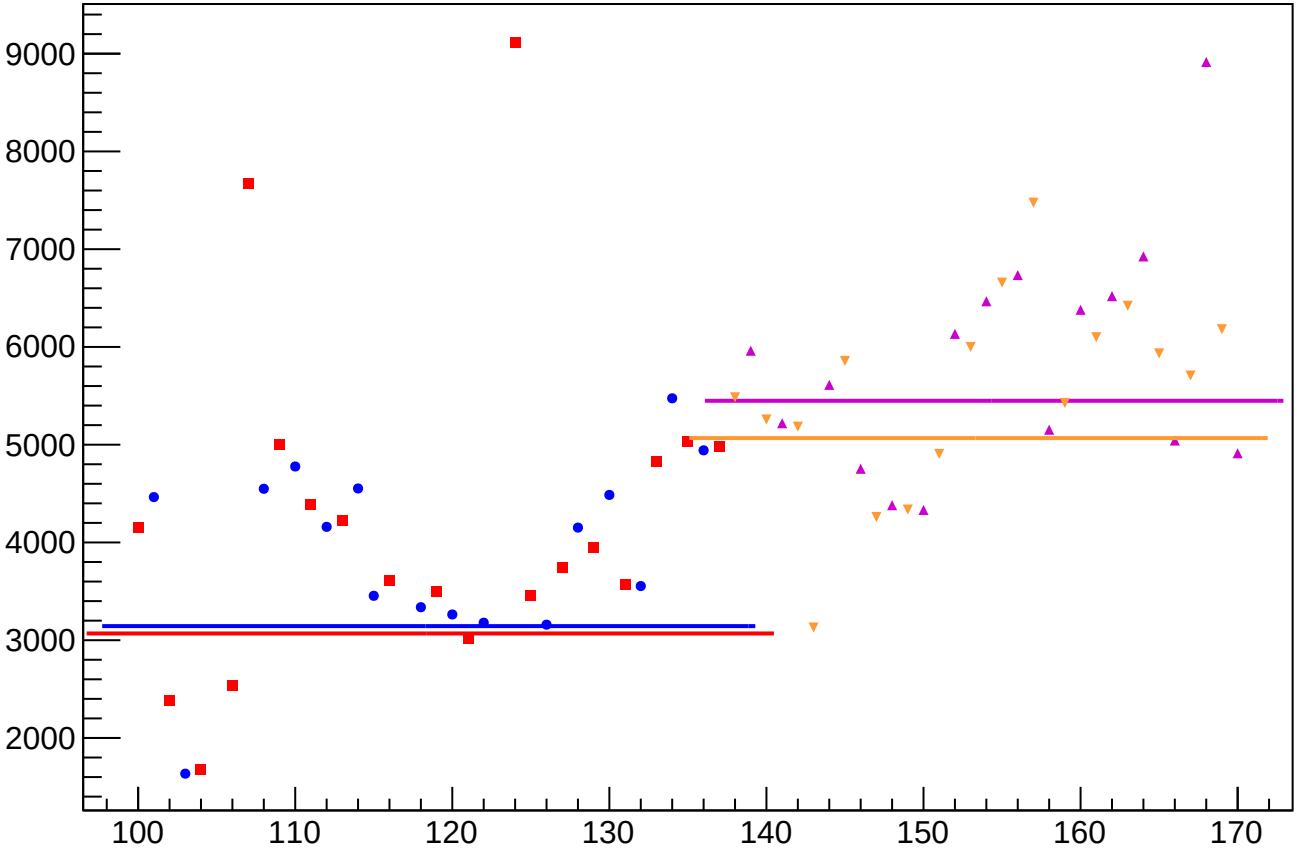
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1686.910+/-971.461 χ^2/NDF:23.1/31

Out: 1095.800+/-936.216 χ^2/NDF:48.4/35

All: 1380.437+/-674.120 χ^2/NDF: 71.6/67

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5067.660+/-1.008 χ^2/NDF:1301926.2/16

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5449.230+/-1.080 χ^2/NDF:824386.9/15

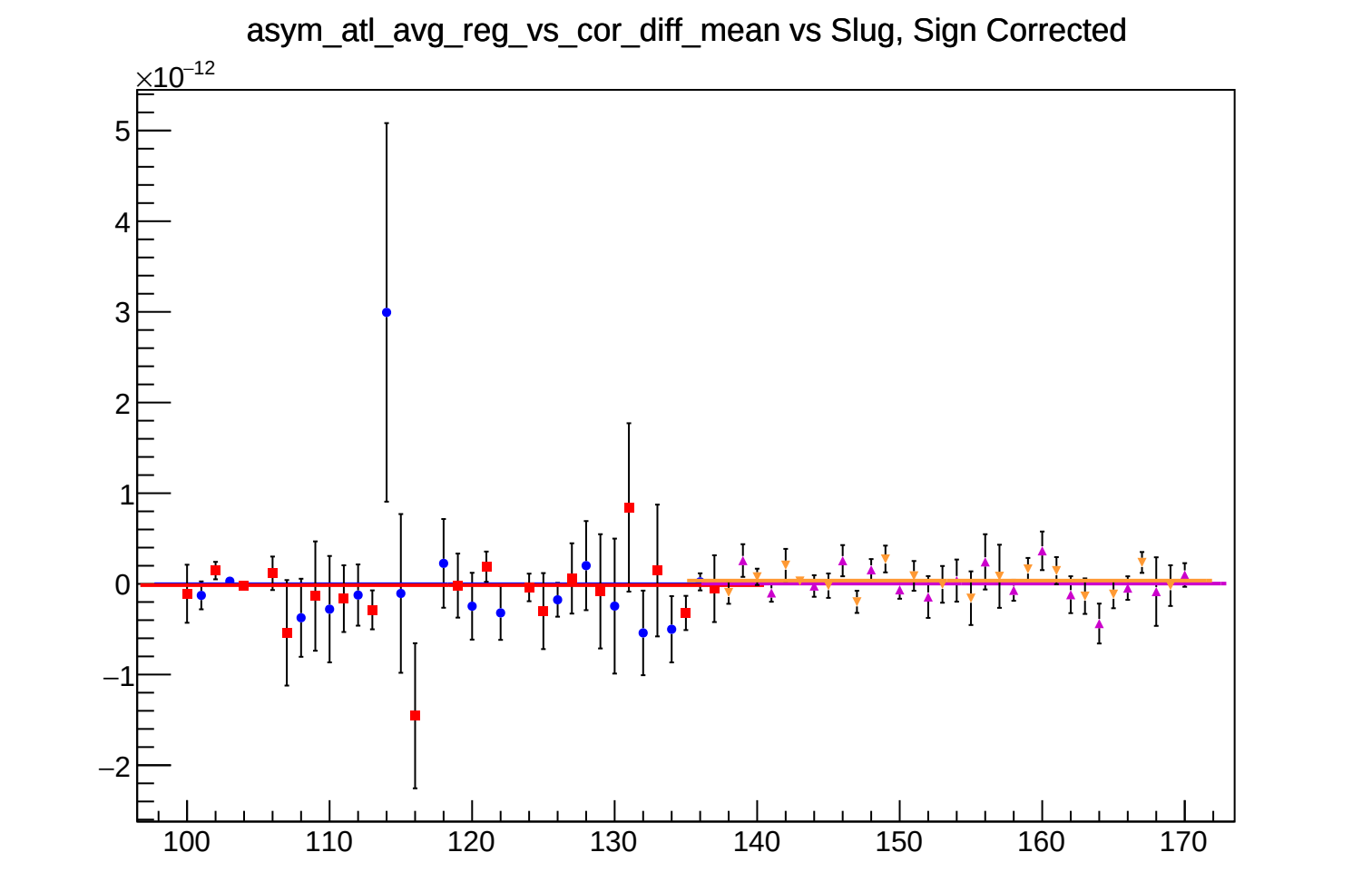
Left: 5245.354+/-0.737 χ^2/NDF: 2193047.6/32

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4077.214+/-0.687 χ^2/NDF:5420574.2/31

Out: 3915.804+/-0.656 χ^2/NDF:5449350.8/35

All: 3992.804+/-0.474 χ^2/NDF: 10898798.9/6



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/15

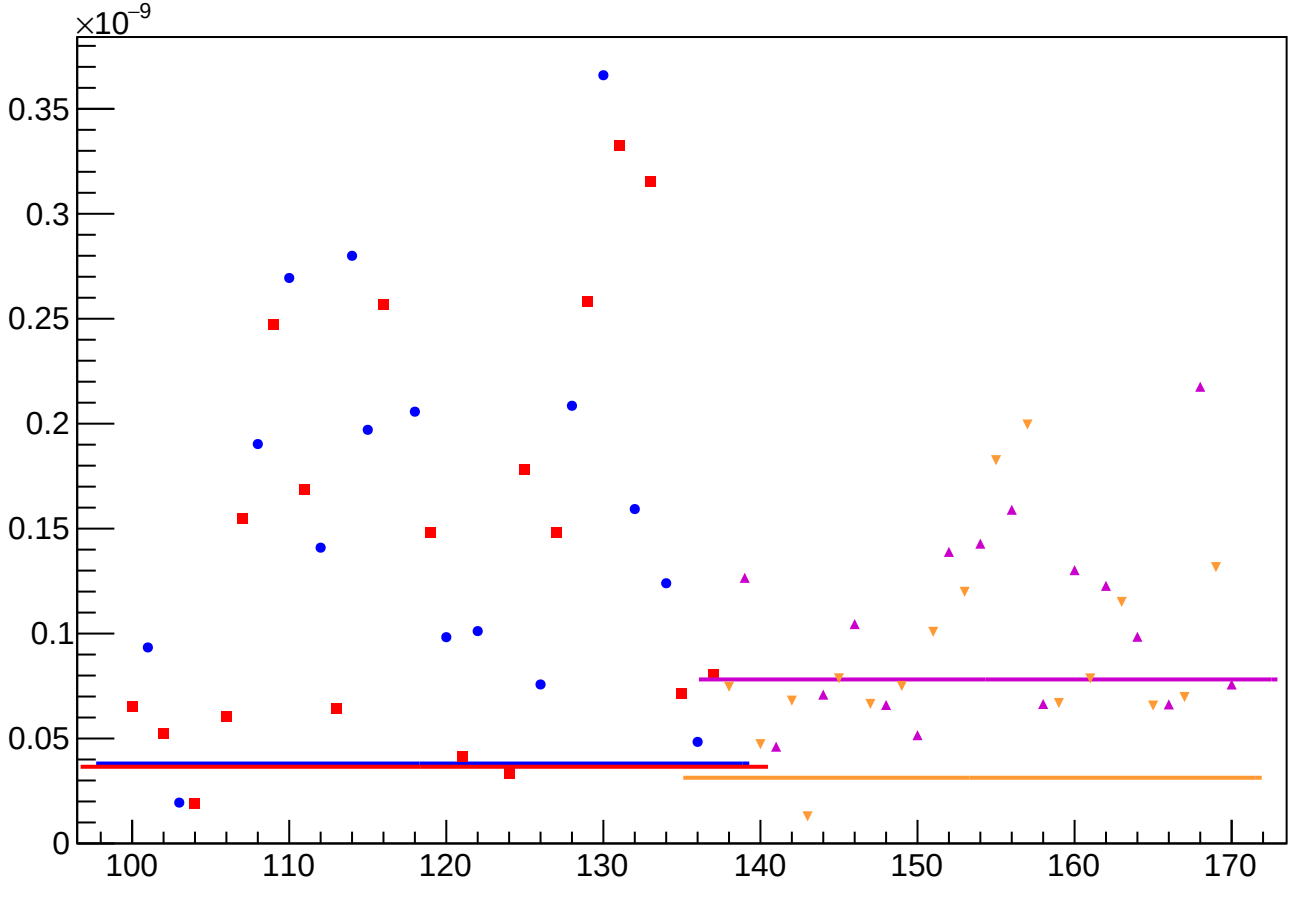
Left: 0.000+/-0.000 χ^2/NDF: 33.2/32

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:27.6/31

Out: 0.000+/-0.000 χ^2/NDF:32.4/35

All: 0.000+/-0.000 χ^2/NDF: 60.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5410241.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1560148.9/15

Left: 0.000+/-0.000 χ^2/NDF: 9466690.7/32

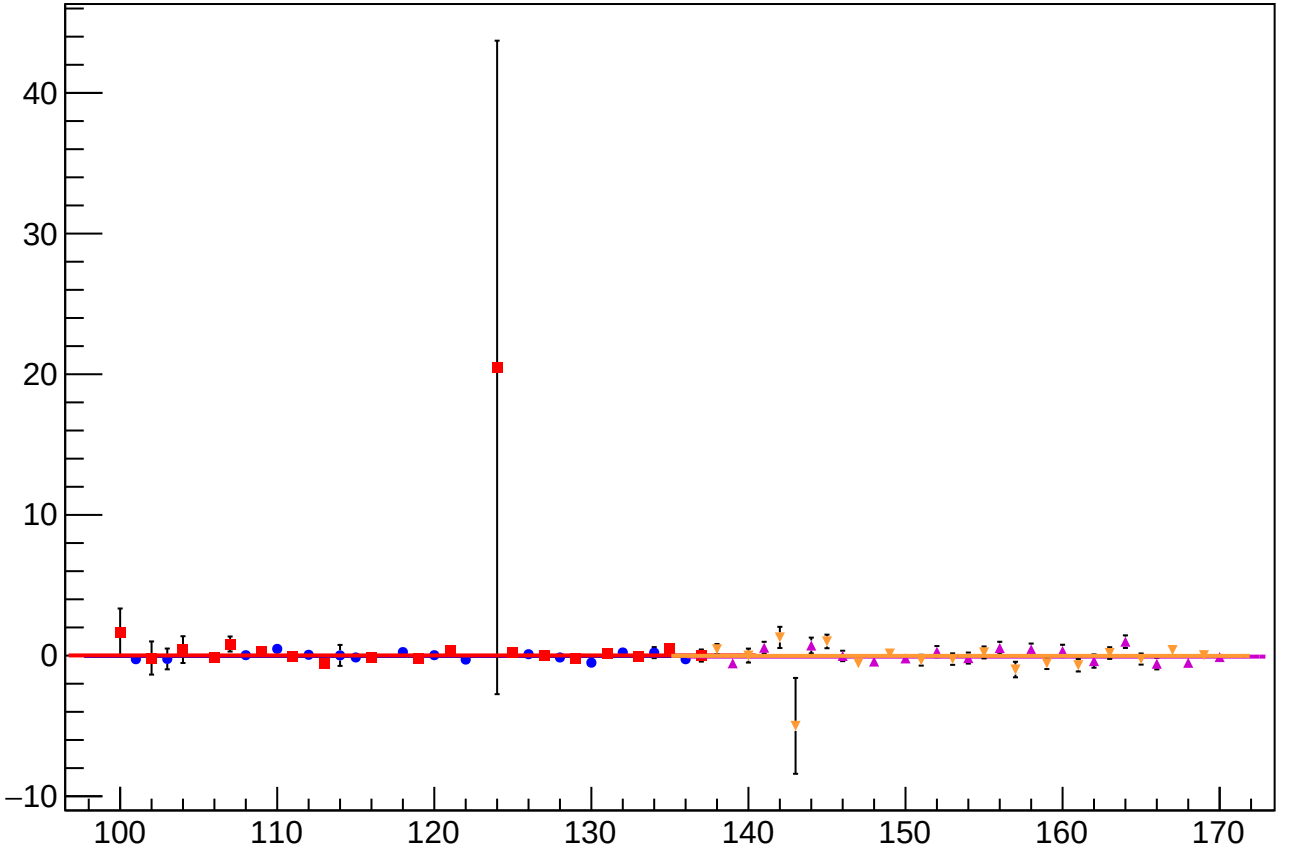
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5719862.2/31

Out: 0.000+/-0.000 χ^2/NDF:8131533.5/35

All: 0.000+/-0.000 χ^2/NDF: 15085412.2/67

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.020+/-0.092 χ^2/NDF:25.1/16

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.074+/-0.088 χ^2/NDF:23.8/15

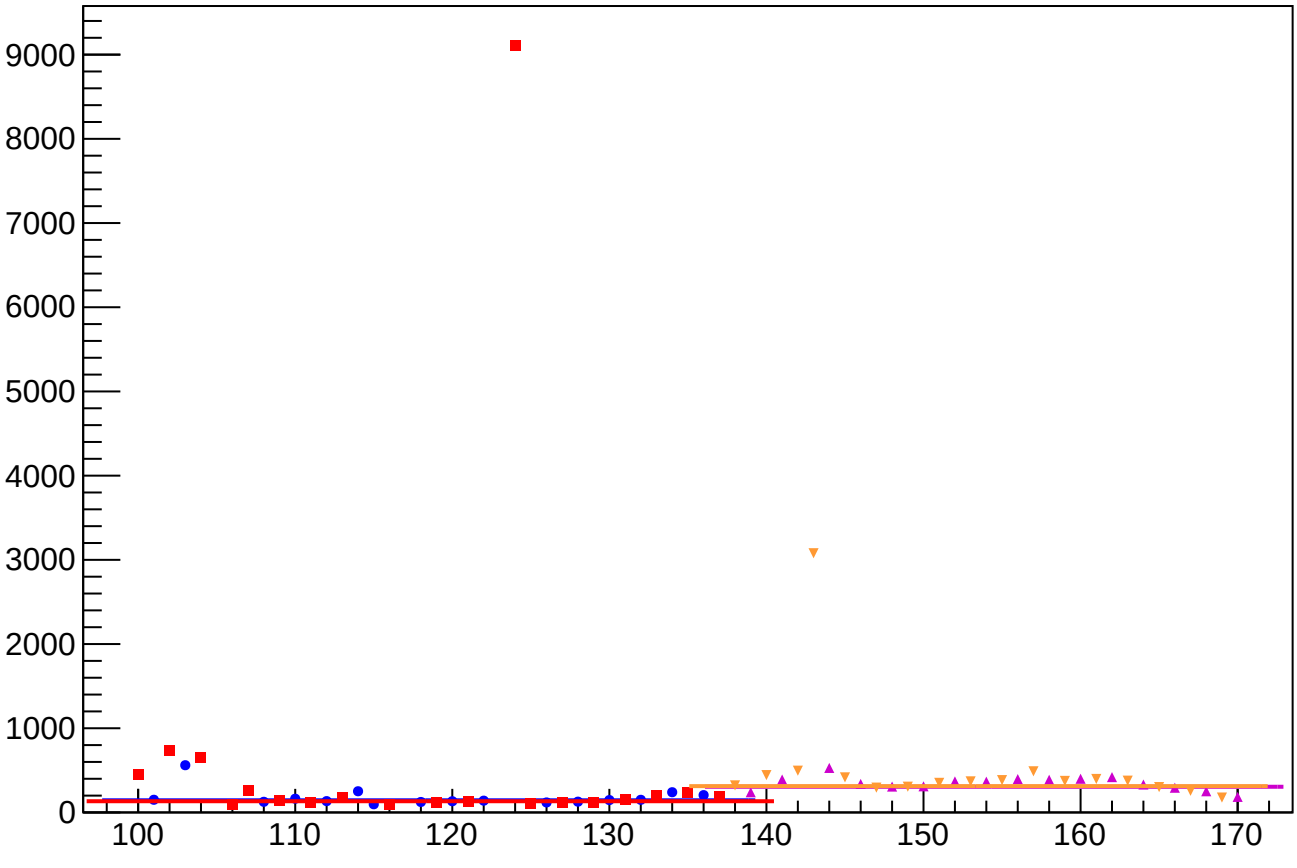
Left: -0.048+/-0.064 χ^2/NDF: 49.0/32

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: 0.002+/-0.048 χ^2/NDF:46.9/35

All: -0.020+/-0.034 χ^2/NDF: 88.6/67



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.578+/-0.065 χ^2/NDF:3163767.4/16

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 305.182+/-0.063 χ^2/NDF:1750851.6/15

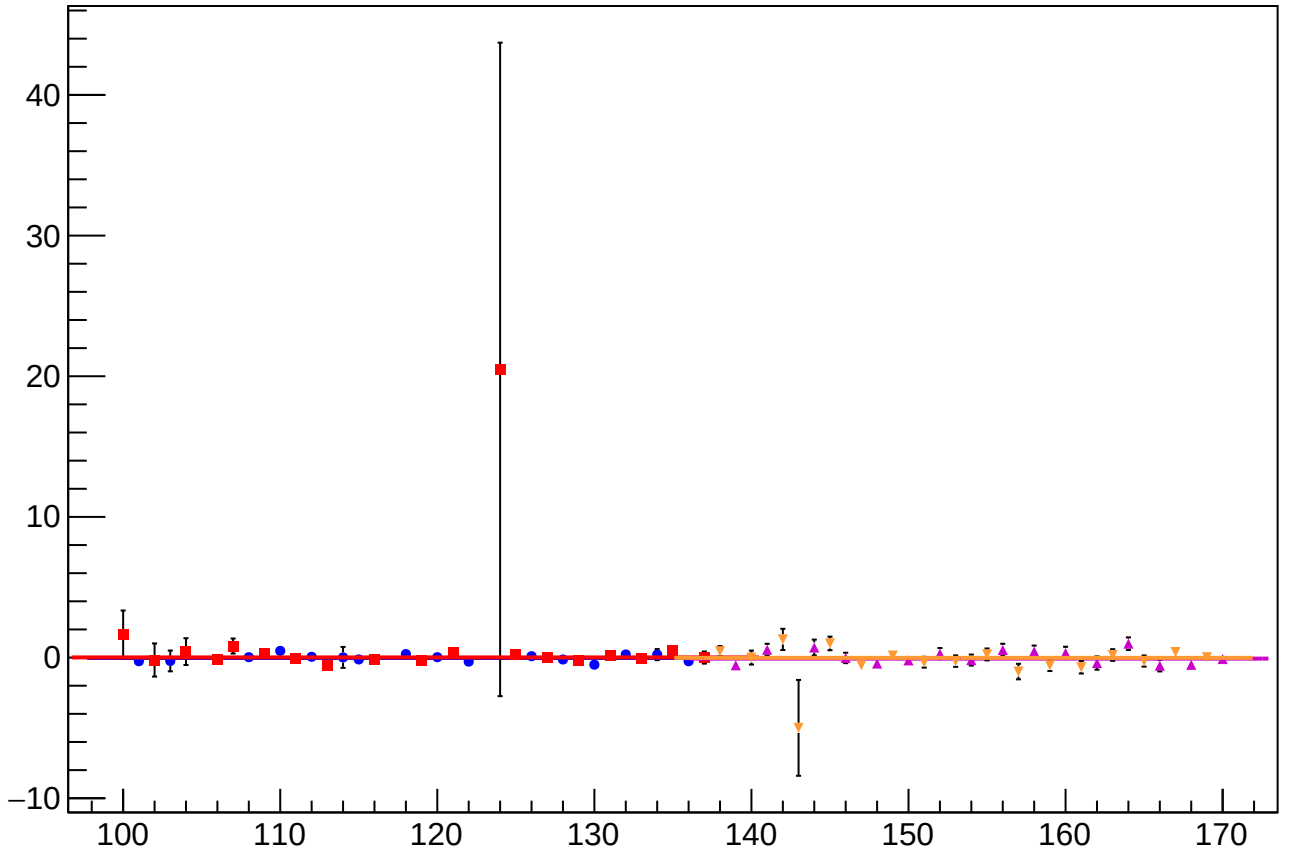
Left: 308.723+/-0.045 χ^2/NDF: 4921317.5/32

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.486+/-0.034 χ^2/NDF:7517340.7/31

Out: 182.173+/-0.034 χ^2/NDF:10878241.4/35

All: 187.308+/-0.024 χ^2/NDF: 18441185.4/67



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.020+/-0.092 χ^2/NDF:25.1/16

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.074+/-0.088 χ^2/NDF:23.8/15

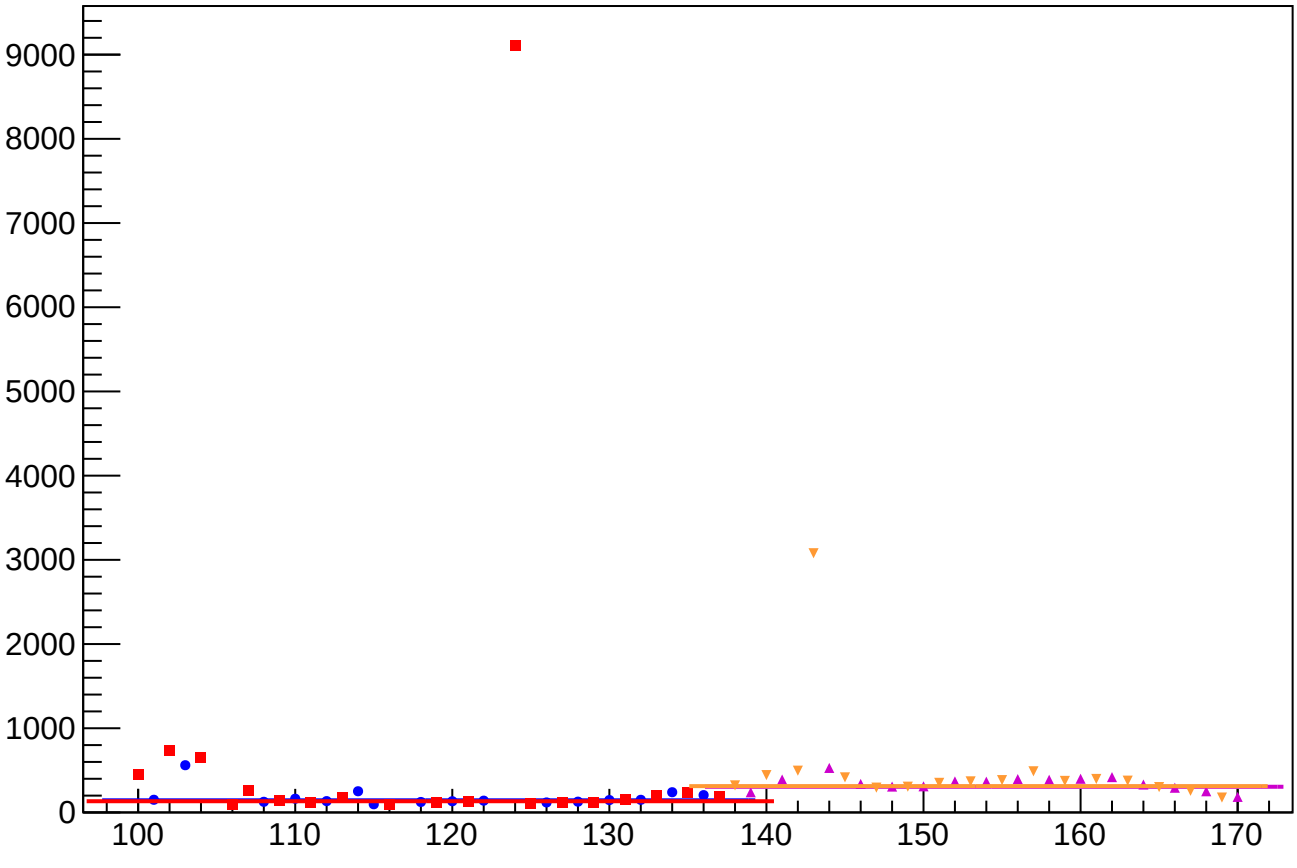
Left: -0.048+/-0.064 χ^2/NDF: 49.0/32

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: 0.002+/-0.048 χ^2/NDF:46.9/35

All: -0.020+/-0.034 χ^2/NDF: 88.6/67



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.578+/-0.065 χ^2/NDF:3163767.4/16

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 305.182+/-0.063 χ^2/NDF:1750851.6/15

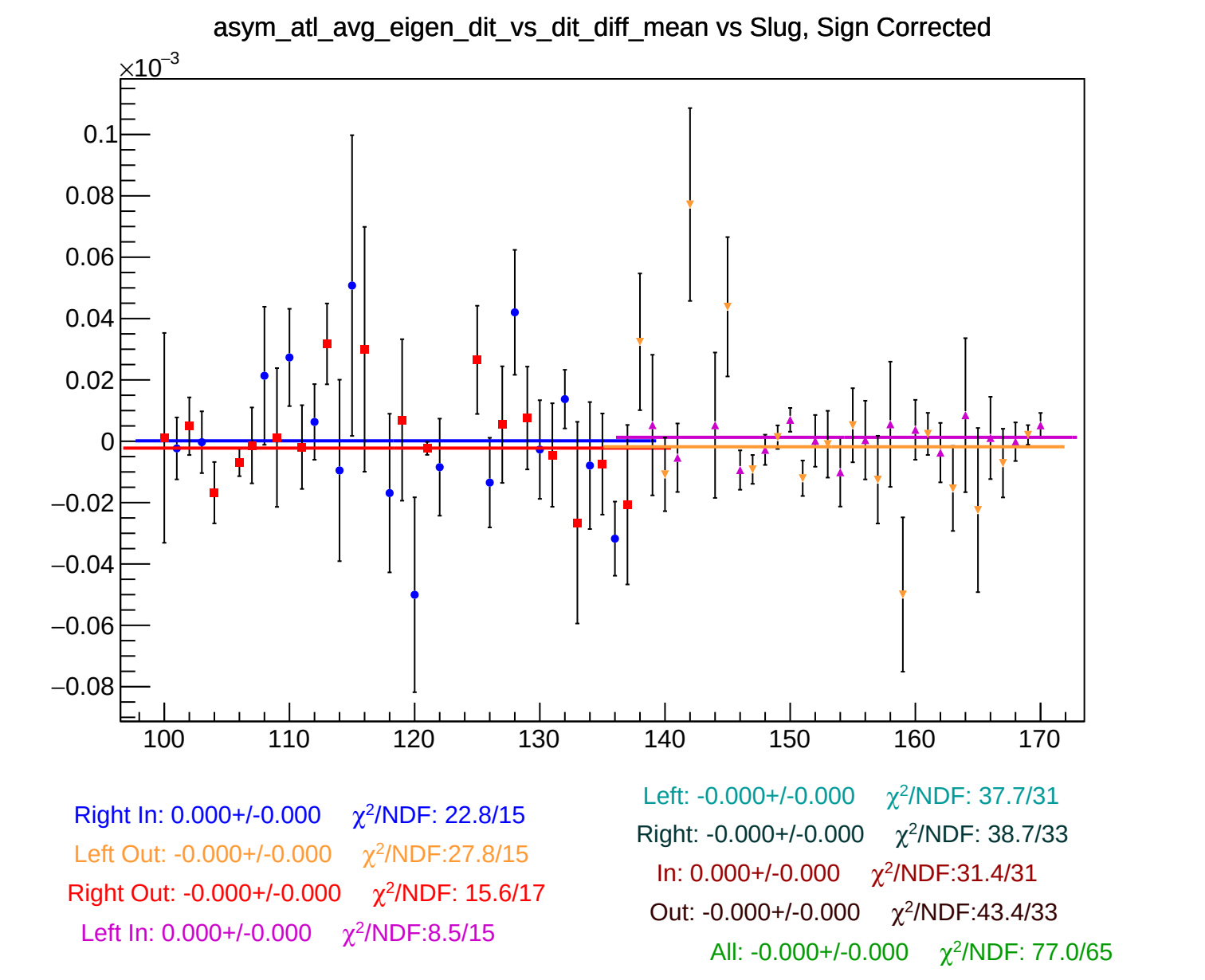
Left: 308.723+/-0.045 χ^2/NDF: 4921317.5/32

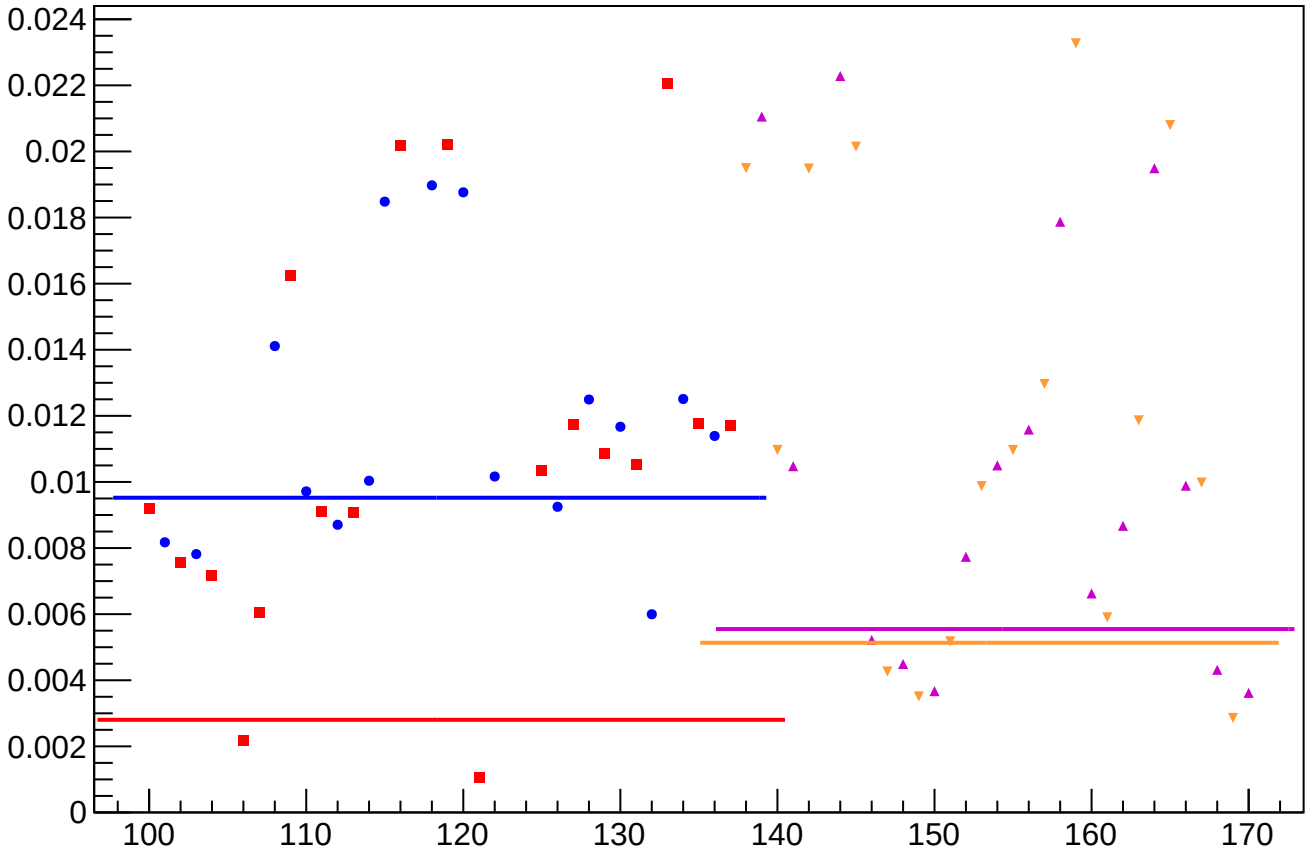
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.486+/-0.034 χ^2/NDF:7517340.7/31

Out: 182.173+/-0.034 χ^2/NDF:10878241.4/35

All: 187.308+/-0.024 χ^2/NDF: 18441185.4/67


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:27.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:8.5/15
Left: -0.000+/-0.000 χ²/NDF: 37.7/31
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:31.4/31
Out: -0.000+/-0.000 χ²/NDF:43.4/33
All: -0.000+/-0.000 χ²/NDF: 77.0/65



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:8081192.2/15

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:6160746.4/15

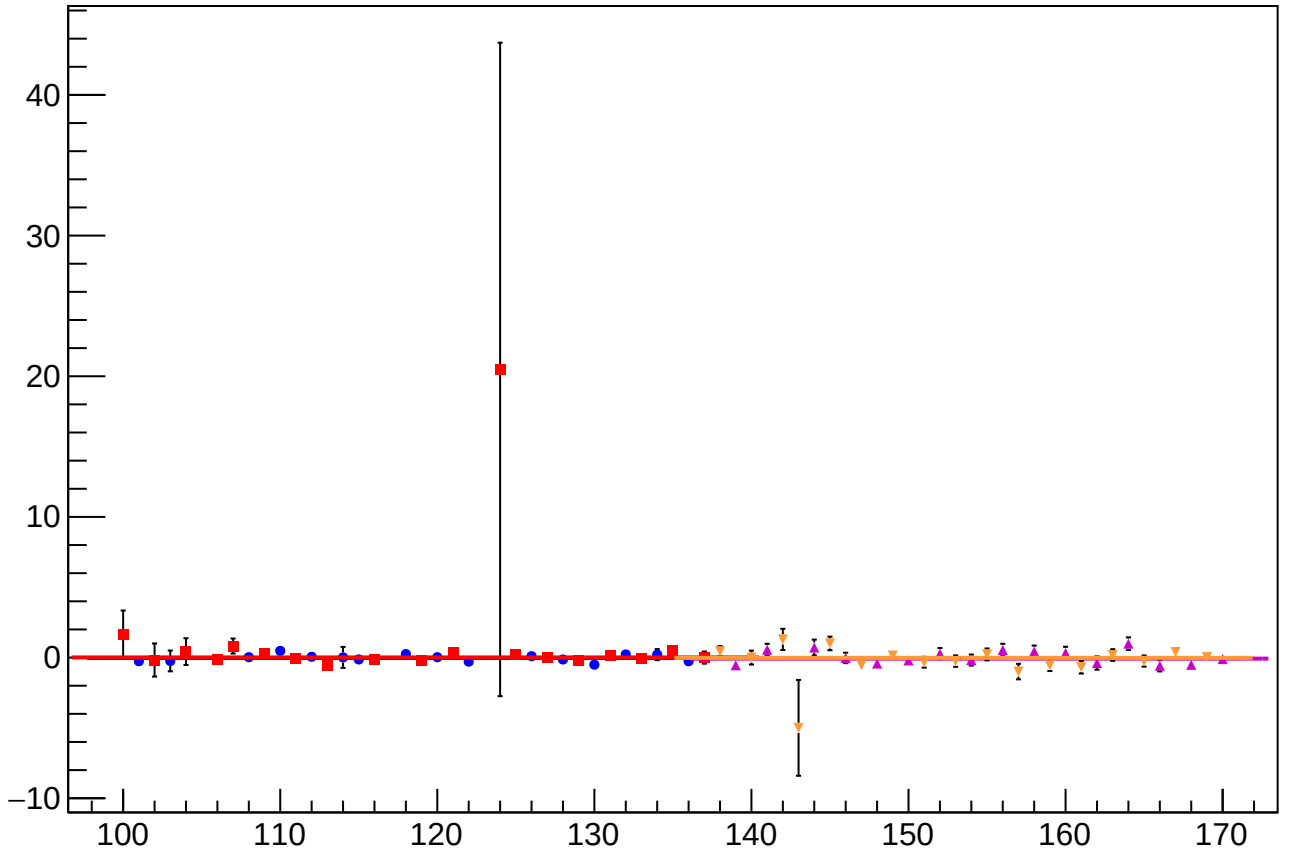
Left: 0.005+/-0.000 χ^2/NDF: 14293457.8/31

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.006+/-0.000 χ^2/NDF:9100578.3/31

Out: 0.004+/-0.000 χ^2/NDF:18410477.7/33

All: 0.005+/-0.000 χ^2/NDF: 30214225.9/65



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.020+/-0.092 χ^2/NDF:25.1/16

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.074+/-0.088 χ^2/NDF:23.8/15

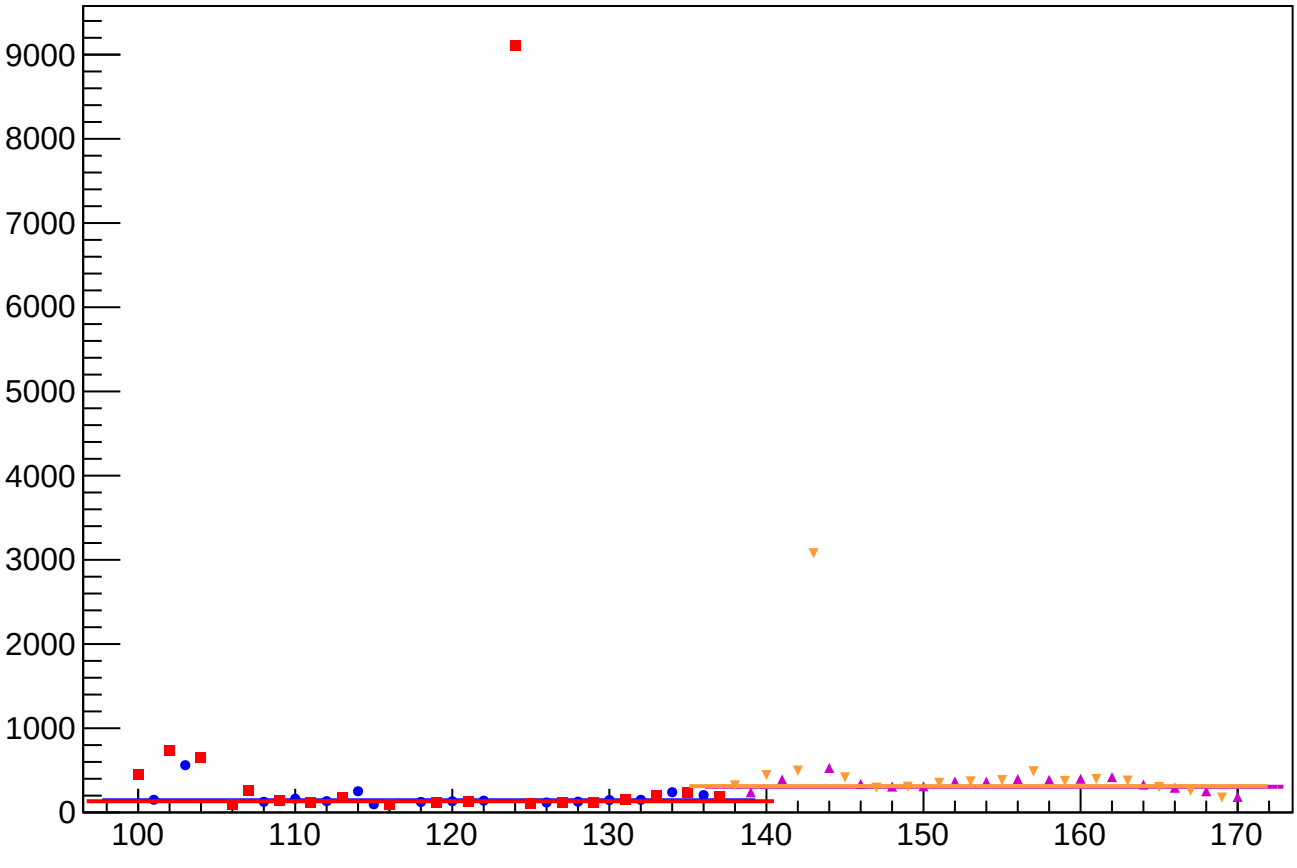
Left: -0.048+/-0.064 χ^2/NDF: 49.0/32

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: 0.002+/-0.048 χ^2/NDF:46.9/35

All: -0.020+/-0.034 χ^2/NDF: 88.6/67



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 312.581+/-0.065 χ^2/NDF:3163847.0/16

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 305.186+/-0.063 χ^2/NDF:1750887.9/15

Left: 308.726+/-0.045 χ^2/NDF: 4921432.2/32

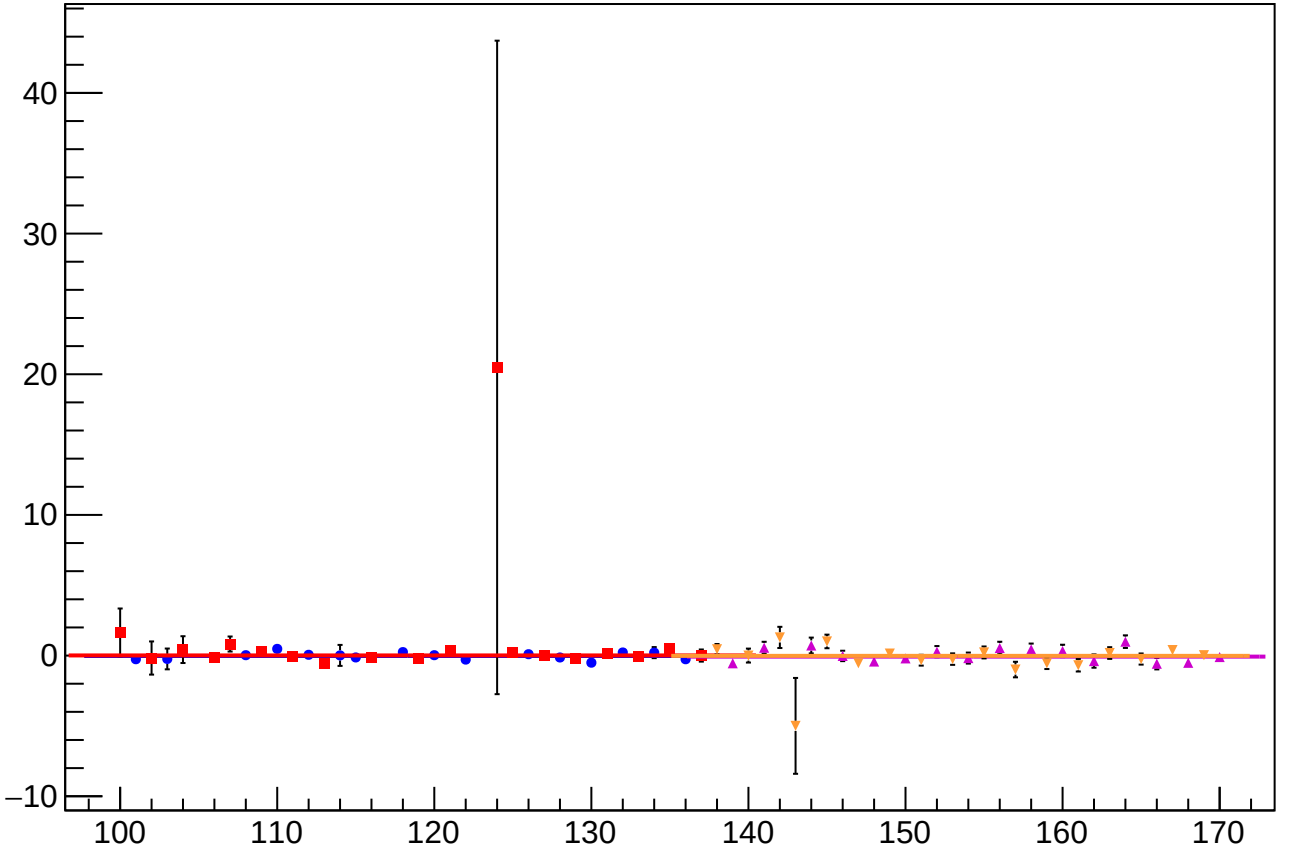
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.485+/-0.034 χ^2/NDF:7517640.0/31

Out: 182.172+/-0.034 χ^2/NDF:10878437.4/35

All: 187.306+/-0.024 χ^2/NDF: 18441676.3/67

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: -0.020+/-0.092 χ^2/NDF:25.1/16

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.074+/-0.088 χ^2/NDF:23.8/15

Left: -0.048+/-0.064 χ^2/NDF: 49.0/32

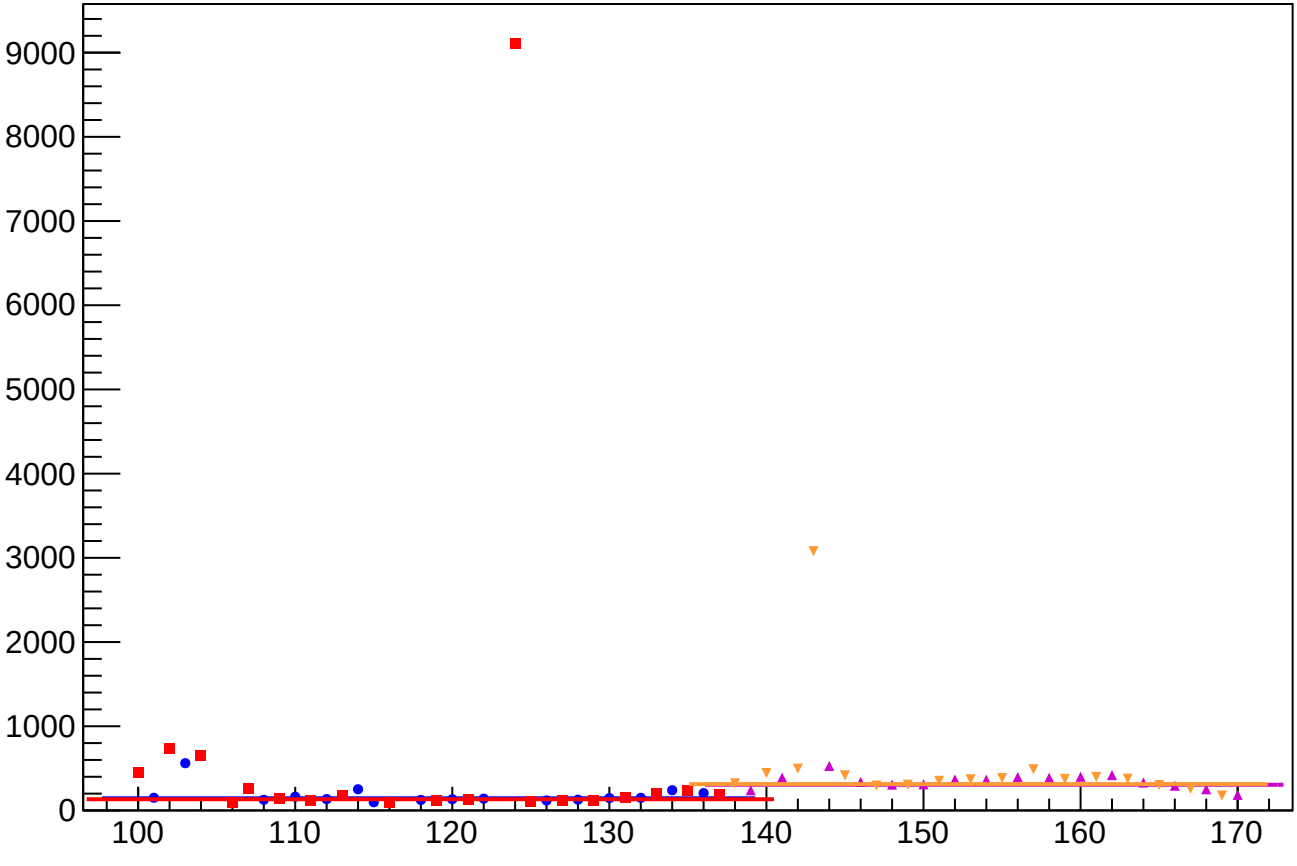
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: 0.002+/-0.048 χ^2/NDF:46.9/35

All: -0.020+/-0.034 χ^2/NDF: 88.6/67

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: 312.581+/-0.065 χ^2/NDF:3163847.0/16

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 305.186+/-0.063 χ^2/NDF:1750887.9/15

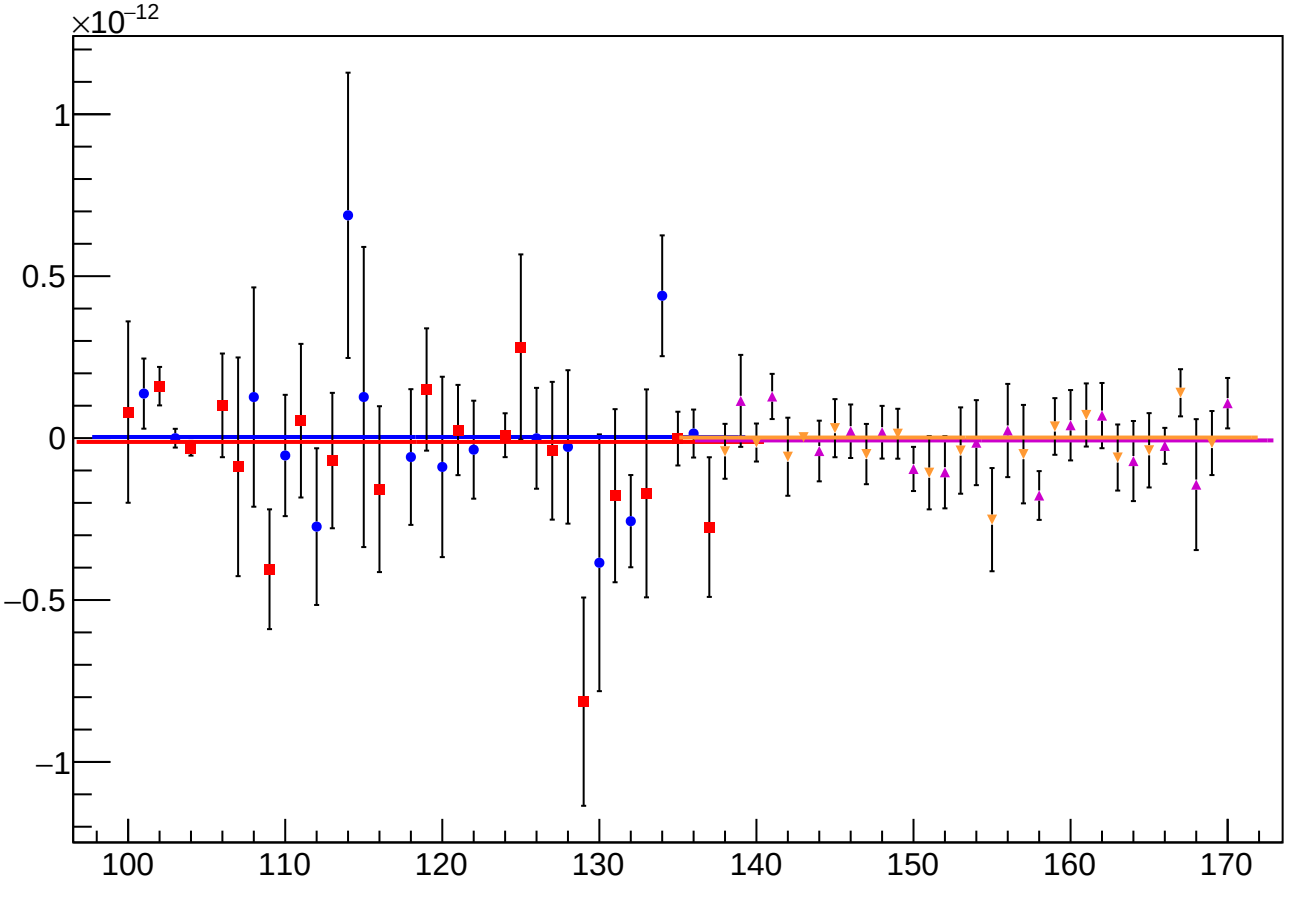
Left: 308.726+/-0.045 χ^2/NDF: 4921432.2/32

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.485+/-0.034 χ^2/NDF:7517640.0/31

Out: 182.172+/-0.034 χ^2/NDF:10878437.4/35

All: 187.306+/-0.024 χ^2/NDF: 18441676.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/15

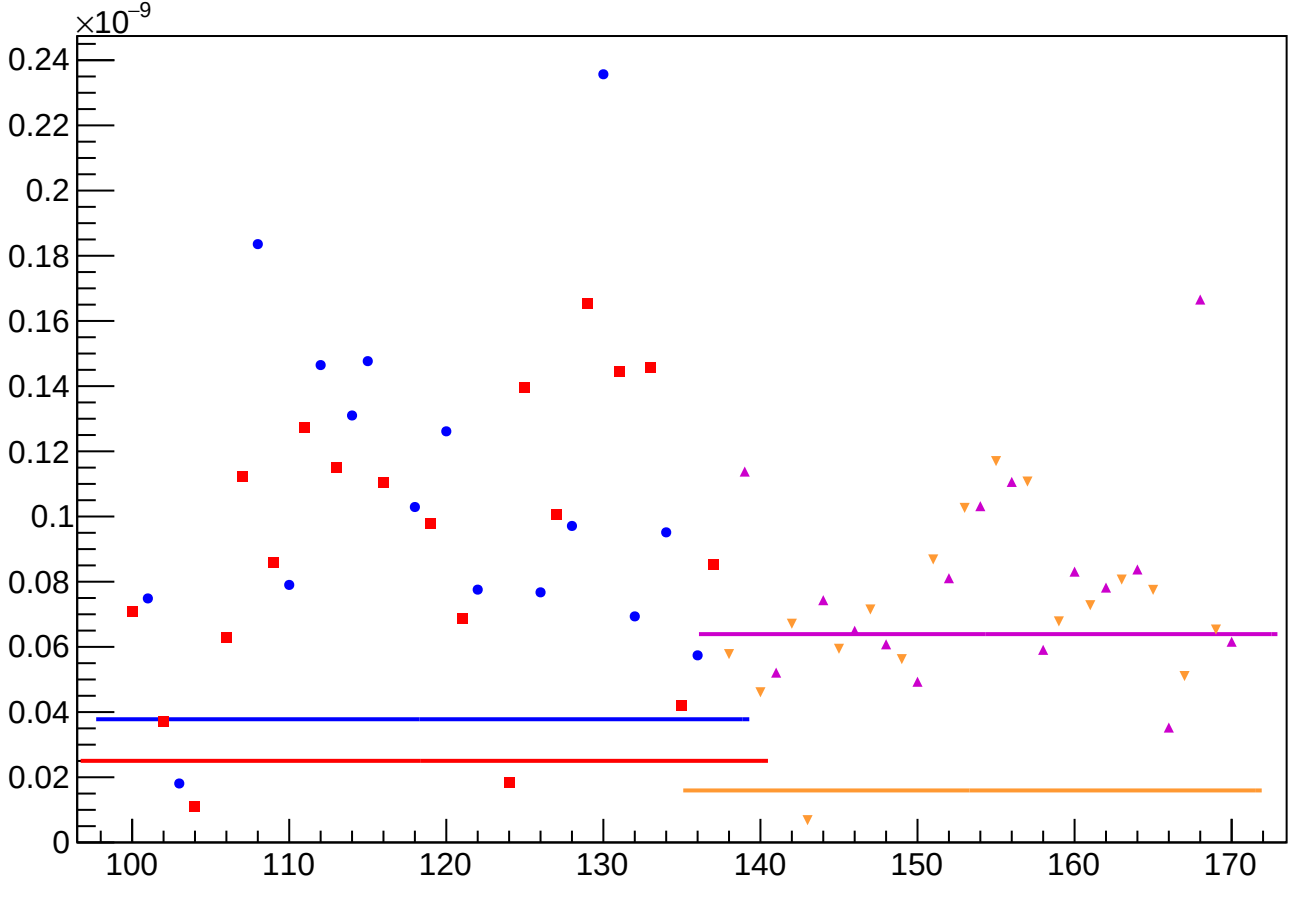
Left: 0.000+/-0.000 χ^2/NDF: 25.8/32

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.9/31

Out: -0.000+/-0.000 χ^2/NDF:35.0/35

All: -0.000+/-0.000 χ^2/NDF: 66.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11687479.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2073094.6/15

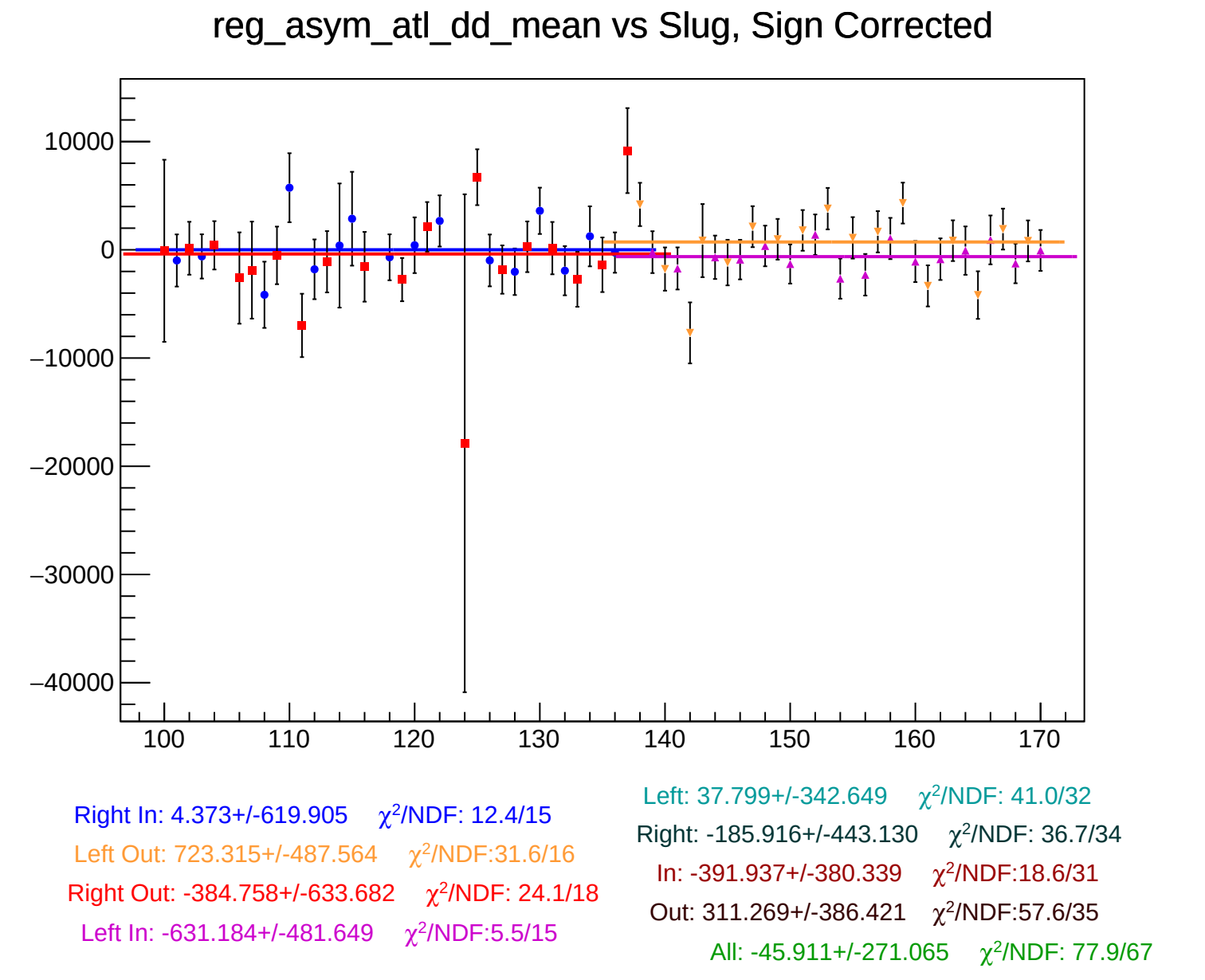
Left: 0.000+/-0.000 χ^2/NDF: 21645022.8/32

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

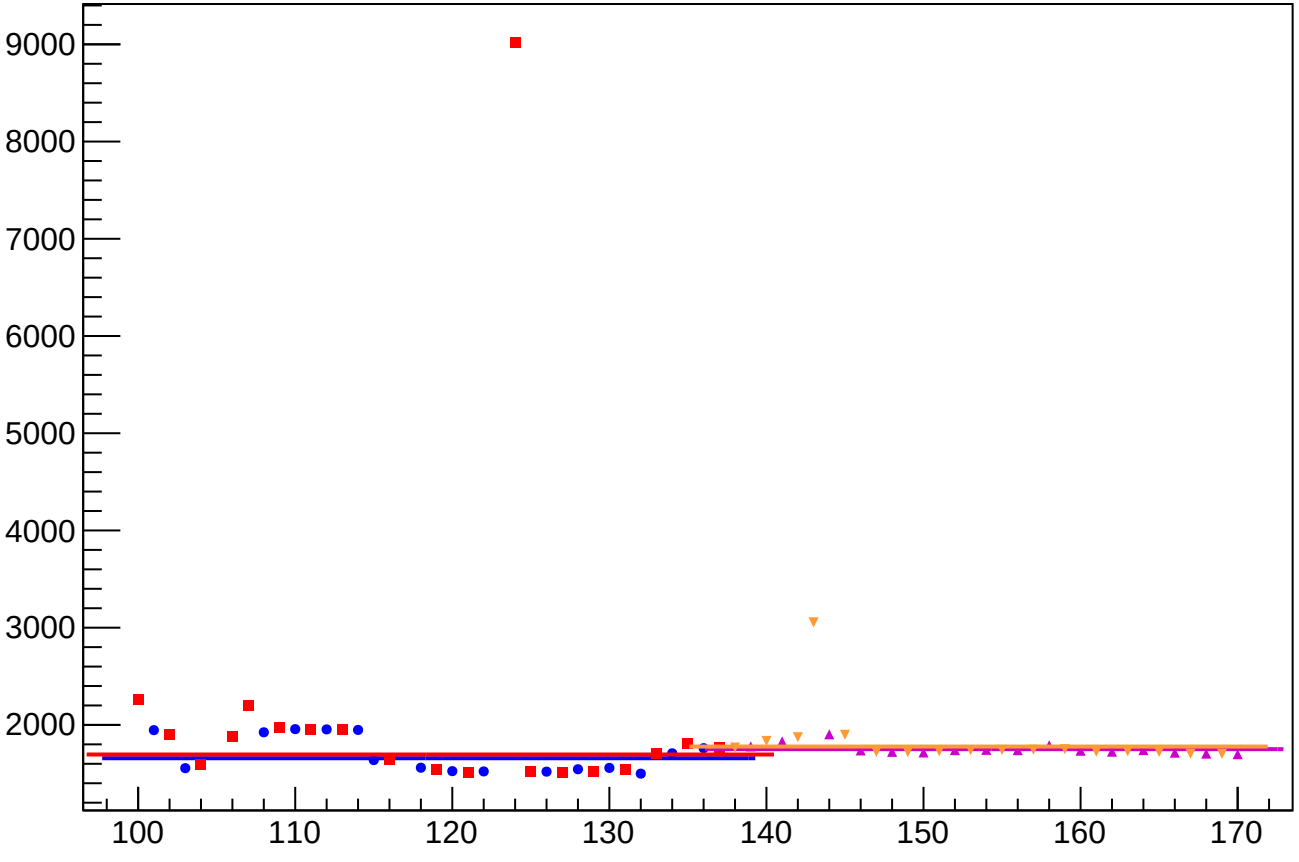
In: 0.000+/-0.000 χ^2/NDF:7290039.1/31

Out: 0.000+/-0.000 χ^2/NDF:16773698.3/35

All: 0.000+/-0.000 χ^2/NDF: 30973309.5/67


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 723.315+/-487.564 χ²/NDF:31.6/16
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -631.184+/-481.649 χ²/NDF:5.5/15
Left: 37.799+/-342.649 χ²/NDF: 41.0/32
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -391.937+/-380.339 χ²/NDF:18.6/31
Out: 311.269+/-386.421 χ²/NDF:57.6/35
All: -45.911+/-271.065 χ²/NDF: 77.9/67

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1777.456+/-0.345 χ^2/NDF:313540.1/16

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

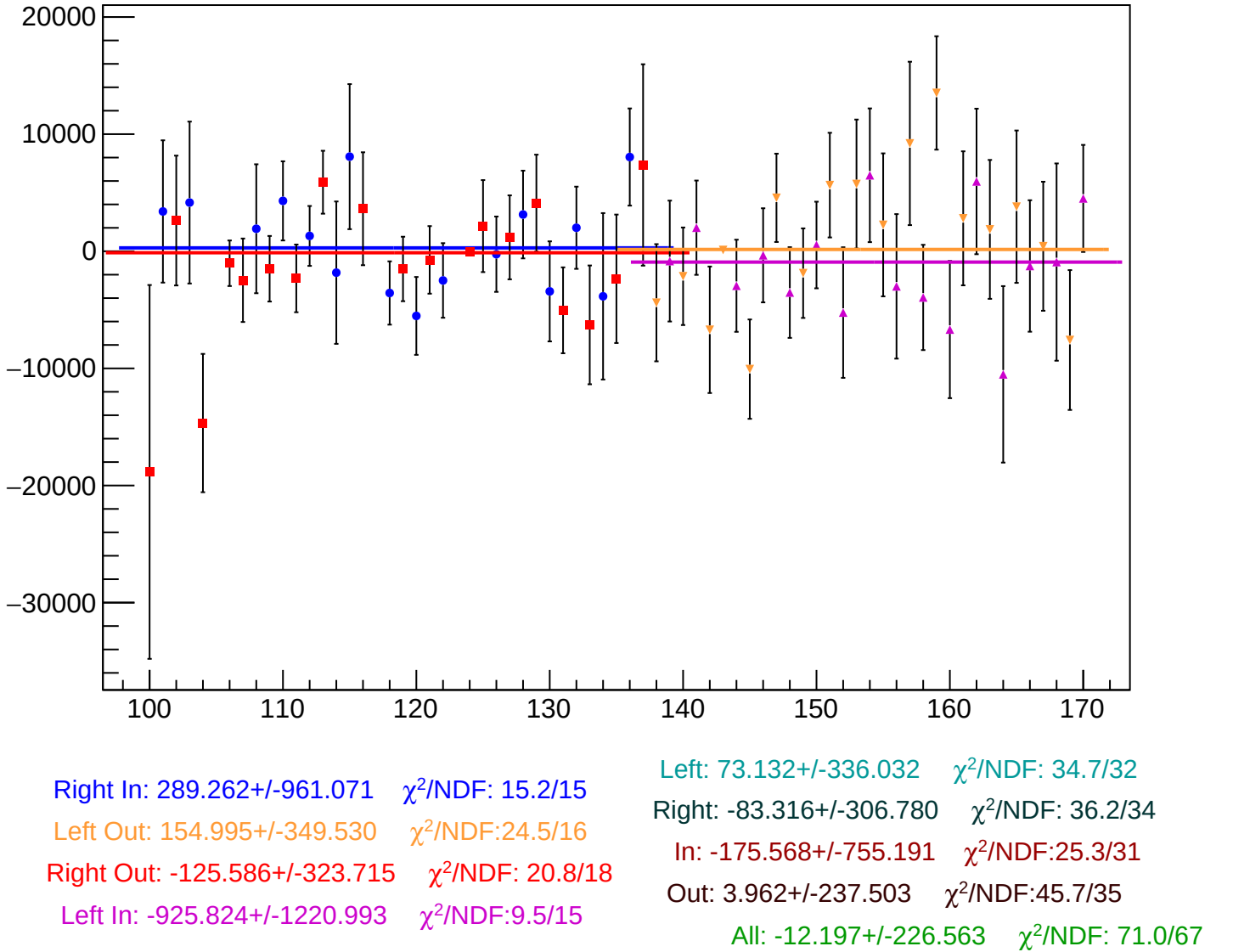
Left: 1763.867+/-0.242 χ^2/NDF: 338008.7/32

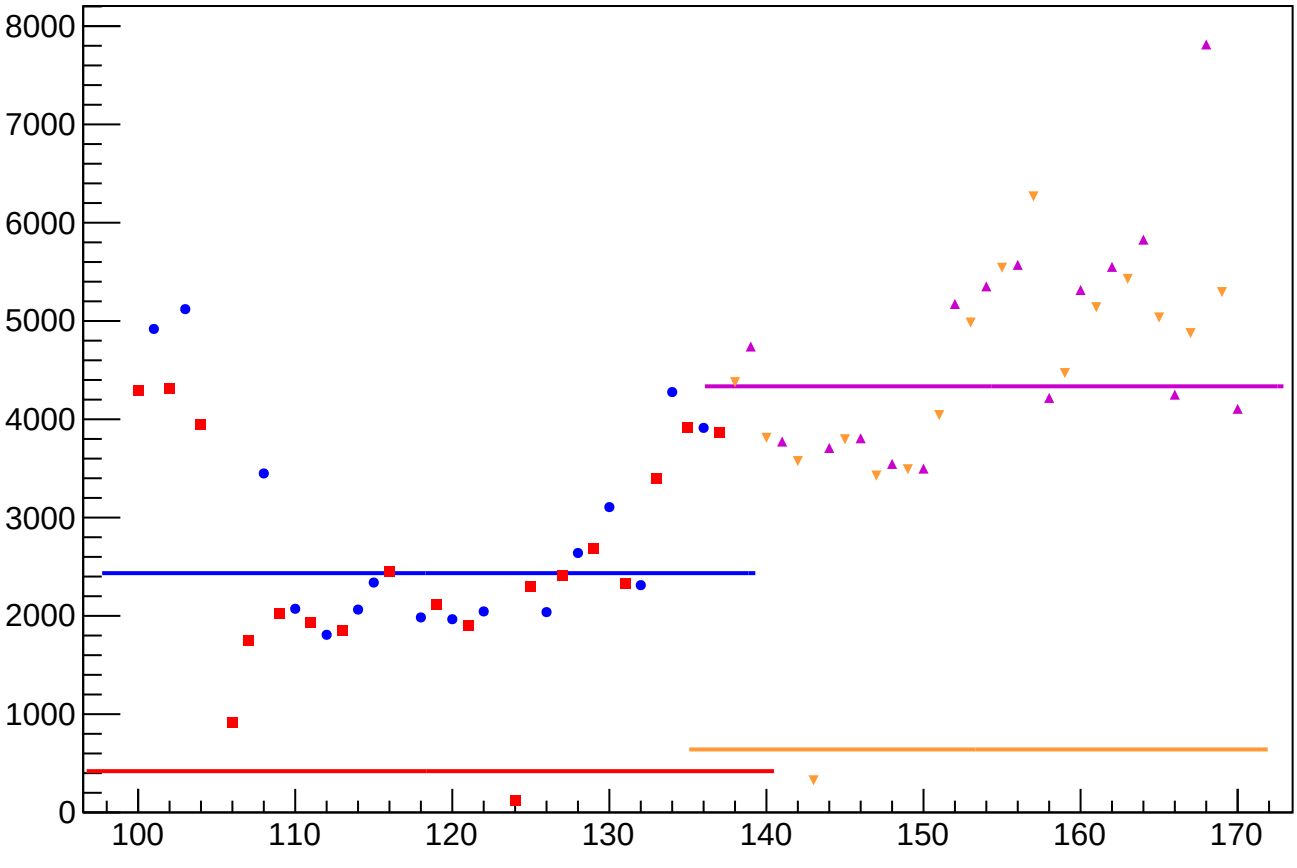
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1715.414+/-0.269 χ^2/NDF:193745.6/31

Out: 1746.859+/-0.273 χ^2/NDF:720815.4/35

All: 1730.914+/-0.192 χ^2/NDF: 921299.3/67


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 154.995+/-349.530 χ²/NDF:24.5/16
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -925.824+/-1220.993 χ²/NDF:9.5/15
Left: 73.132+/-336.032 χ²/NDF: 34.7/32
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: -175.568+/-755.191 χ²/NDF:25.3/31
Out: 3.962+/-237.503 χ²/NDF:45.7/35
All: -12.197+/-226.563 χ²/NDF: 71.0/67



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 640.960+/-0.247 χ^2/NDF:19762758.2/16

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4335.459+/-0.863 χ^2/NDF:1070258.7/15

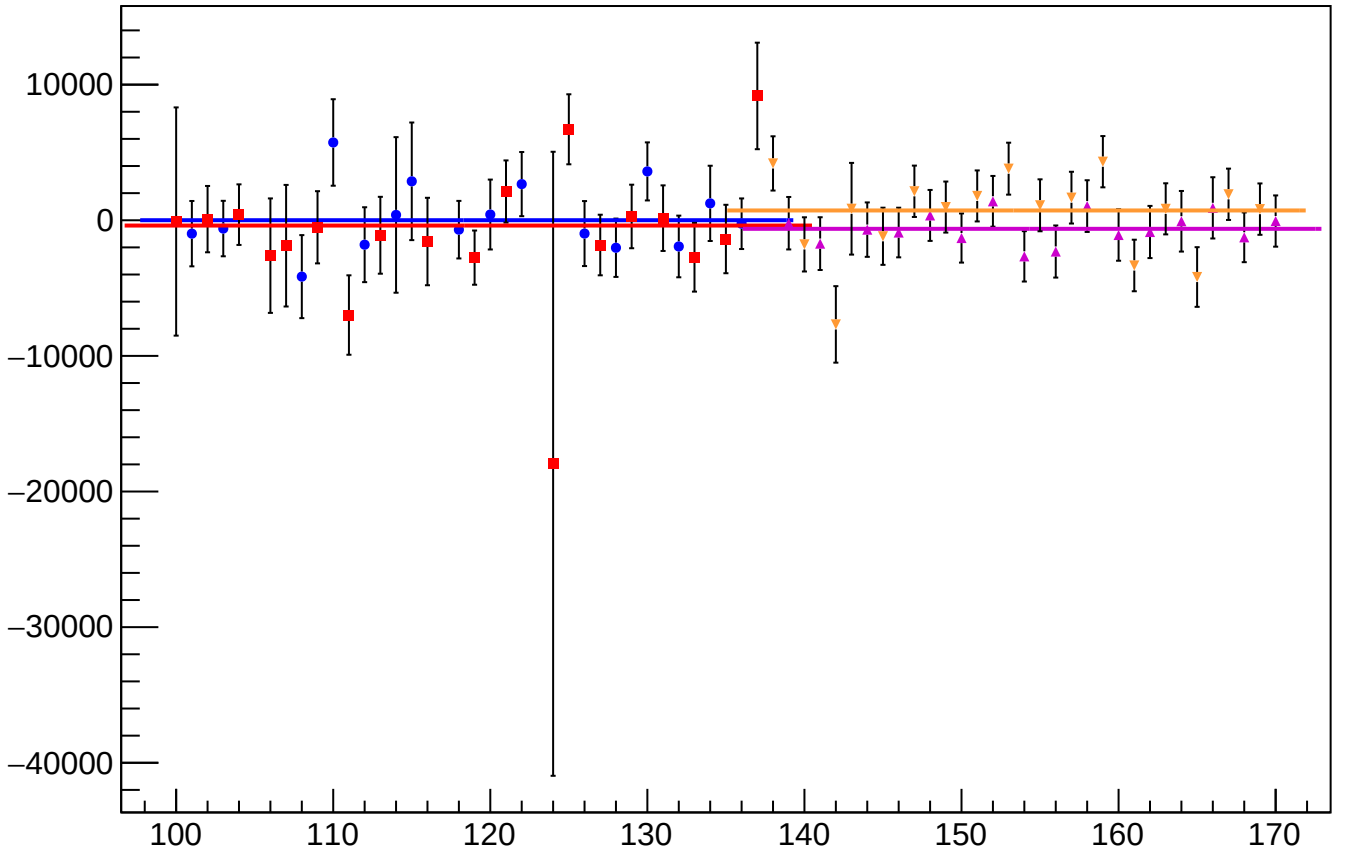
Left: 920.788+/-0.238 χ^2/NDF: 37757215.8/32

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3161.767+/-0.534 χ^2/NDF:5520997.9/31

Out: 522.177+/-0.168 χ^2/NDF:31255828.4/35

All: 759.753+/-0.160 χ^2/NDF: 59011400.7/67



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 723.252+/-487.564 χ^2/NDF:31.6/16

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -631.224+/-481.649 χ^2/NDF:5.5/15

Left: 37.748+/-342.649 χ^2/NDF: 41.0/32

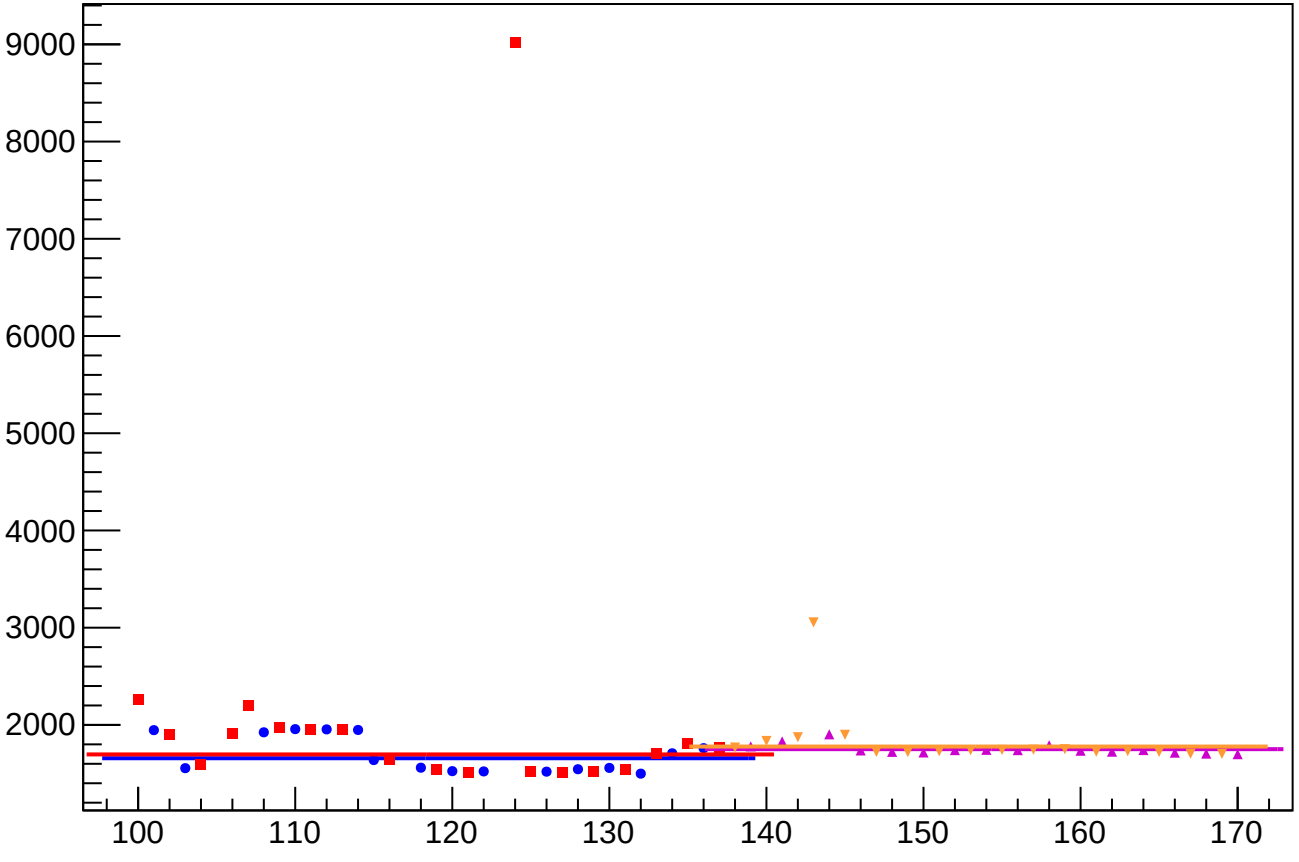
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -391.992+/-380.339 χ^2/NDF:18.6/31

Out: 309.636+/-386.422 χ^2/NDF:57.6/35

All: -46.743+/-271.065 χ^2/NDF: 77.9/67

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1777.456+/-0.345 χ^2/NDF:313540.1/16

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

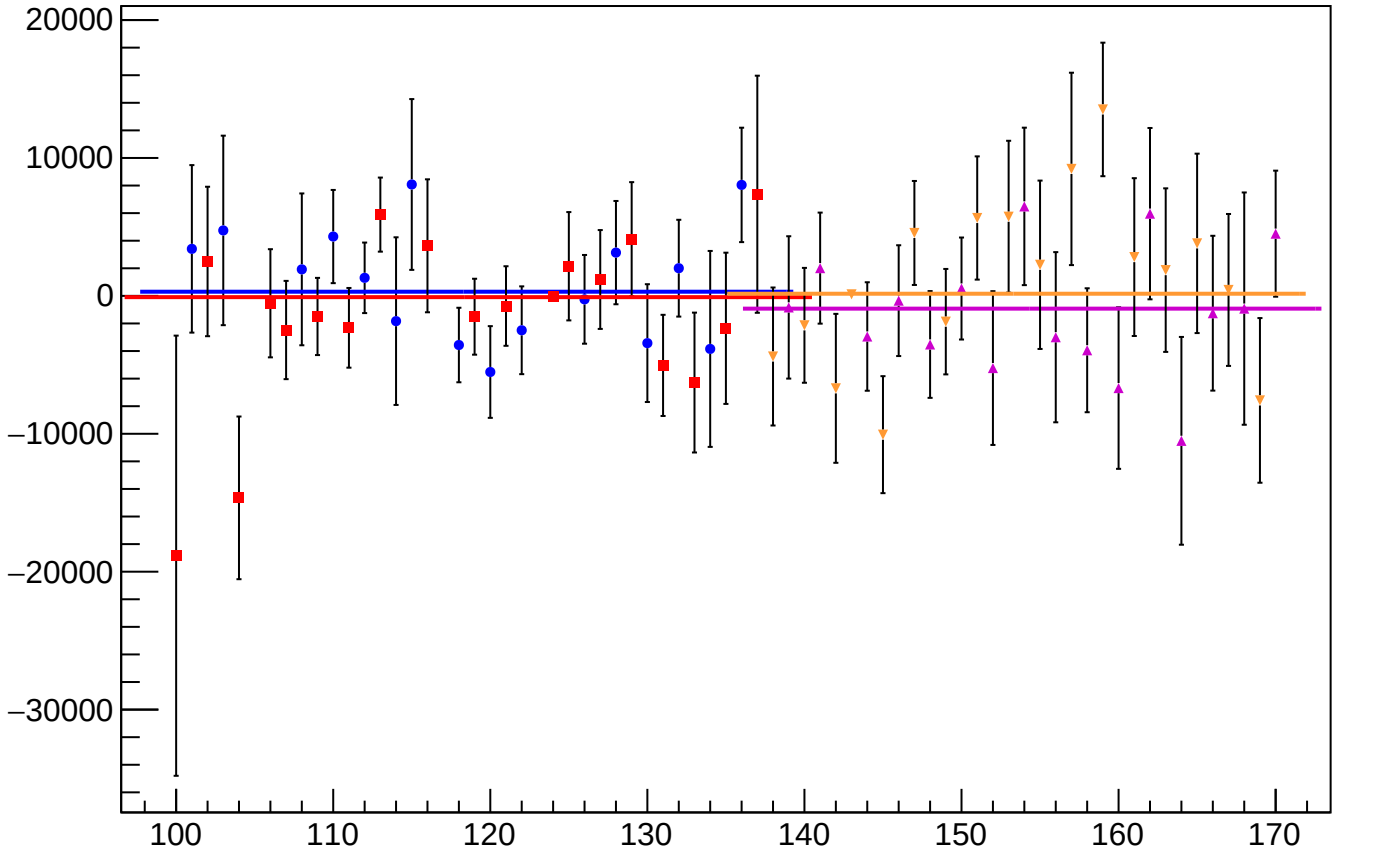
Left: 1763.867+/-0.242 χ^2/NDF: 338008.7/32

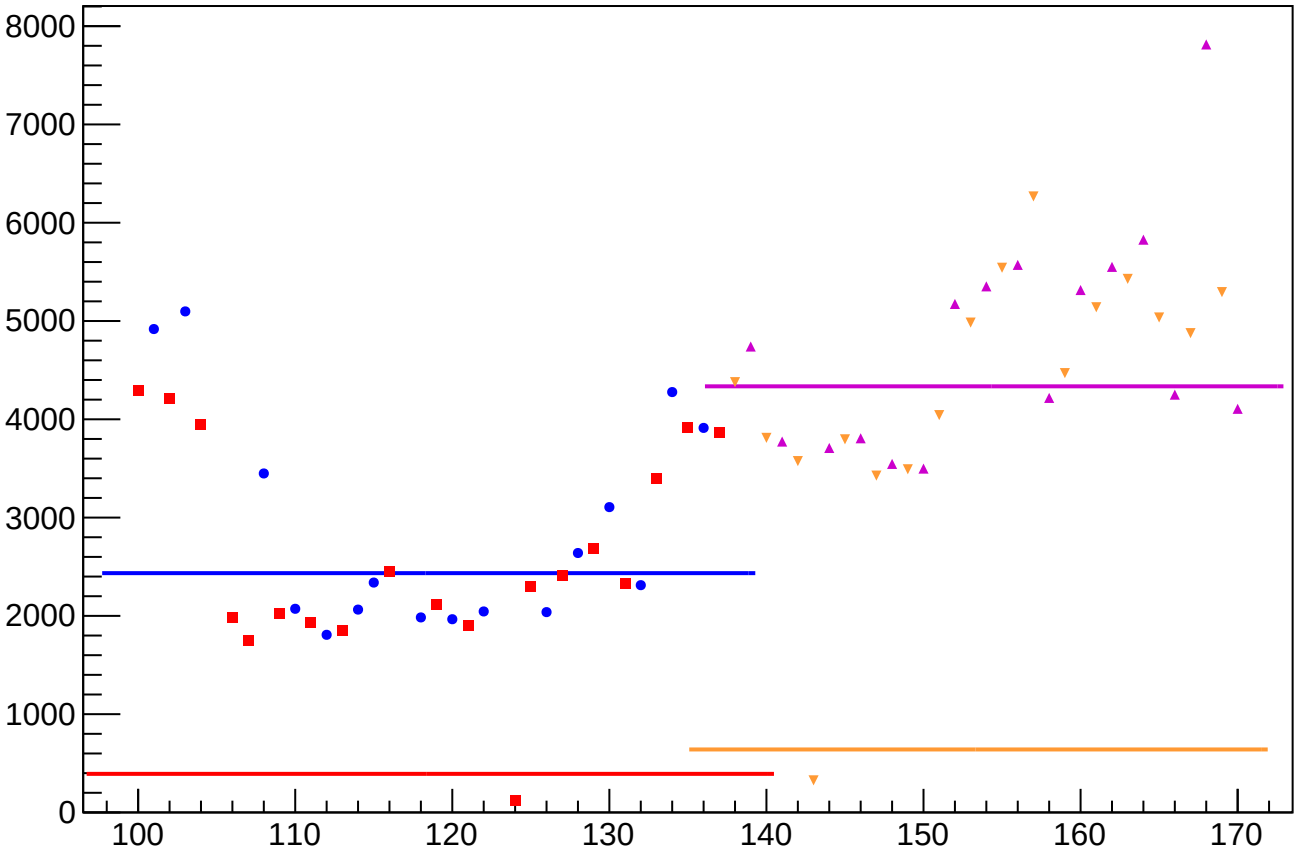
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.414+/-0.269 χ^2/NDF:193745.7/31

Out: 1747.174+/-0.273 χ^2/NDF:722154.6/35

All: 1731.067+/-0.192 χ^2/NDF: 922773.2/67


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 155.426+/-349.504 χ²/NDF:24.5/16
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -925.867+/-1220.992 χ²/NDF:9.5/15
Left: 73.538+/-336.009 χ²/NDF: 34.7/32
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -167.748+/-755.133 χ²/NDF:25.5/31
Out: 19.060+/-234.299 χ²/NDF:45.4/35
All: 2.656+/-223.775 χ²/NDF: 70.9/67



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 640.888+/-0.247 χ^2/NDF:19763260.1/16

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

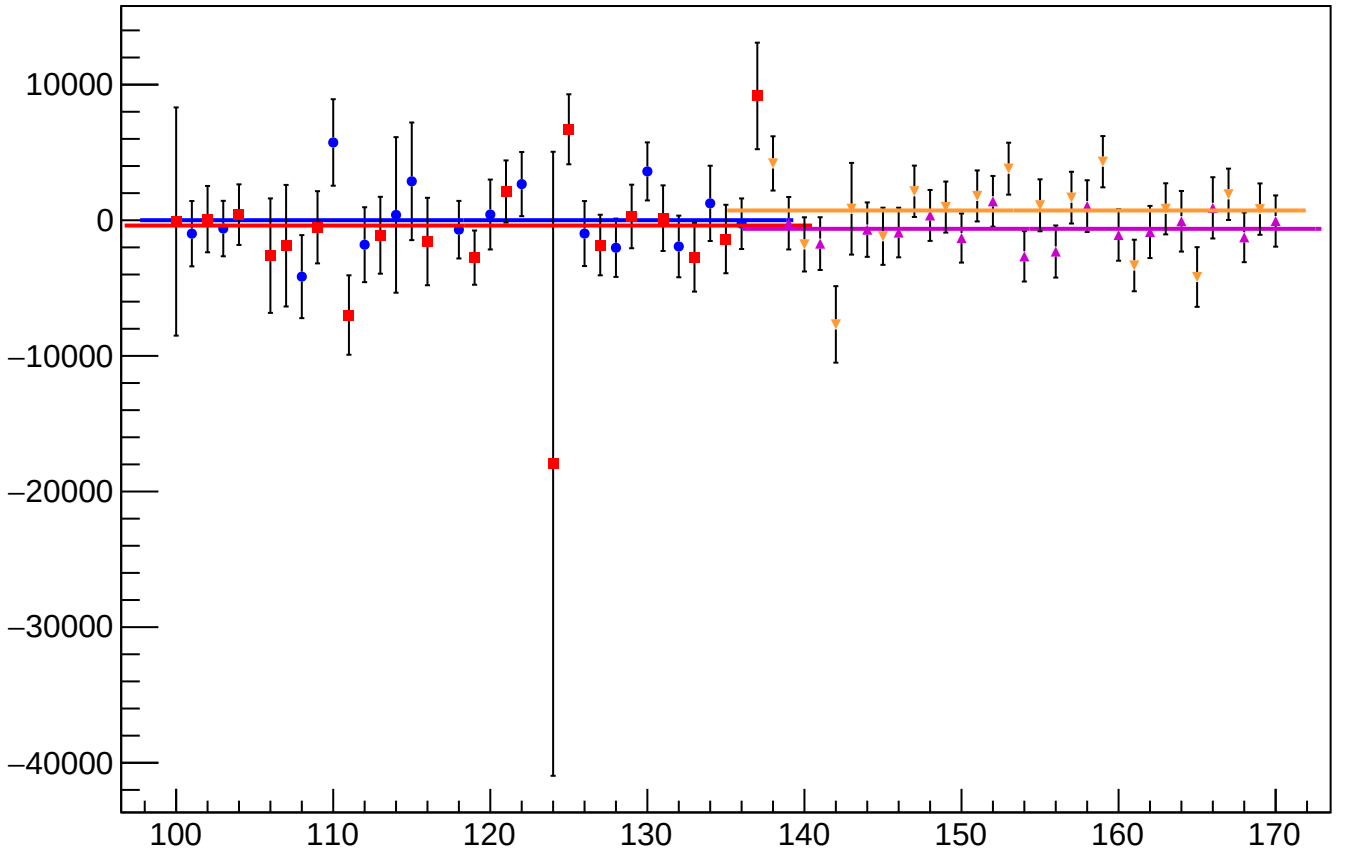
Left: 920.683+/-0.238 χ^2/NDF: 37758557.2/32

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3161.758+/-0.534 χ^2/NDF:5519048.1/31

Out: 504.217+/-0.166 χ^2/NDF:31726709.9/35

All: 737.593+/-0.158 χ^2/NDF: 59841431.4/67



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 723.252+/-487.564 χ^2/NDF:31.6/16

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -631.224+/-481.649 χ^2/NDF:5.5/15

Left: 37.748+/-342.649 χ^2/NDF: 41.0/32

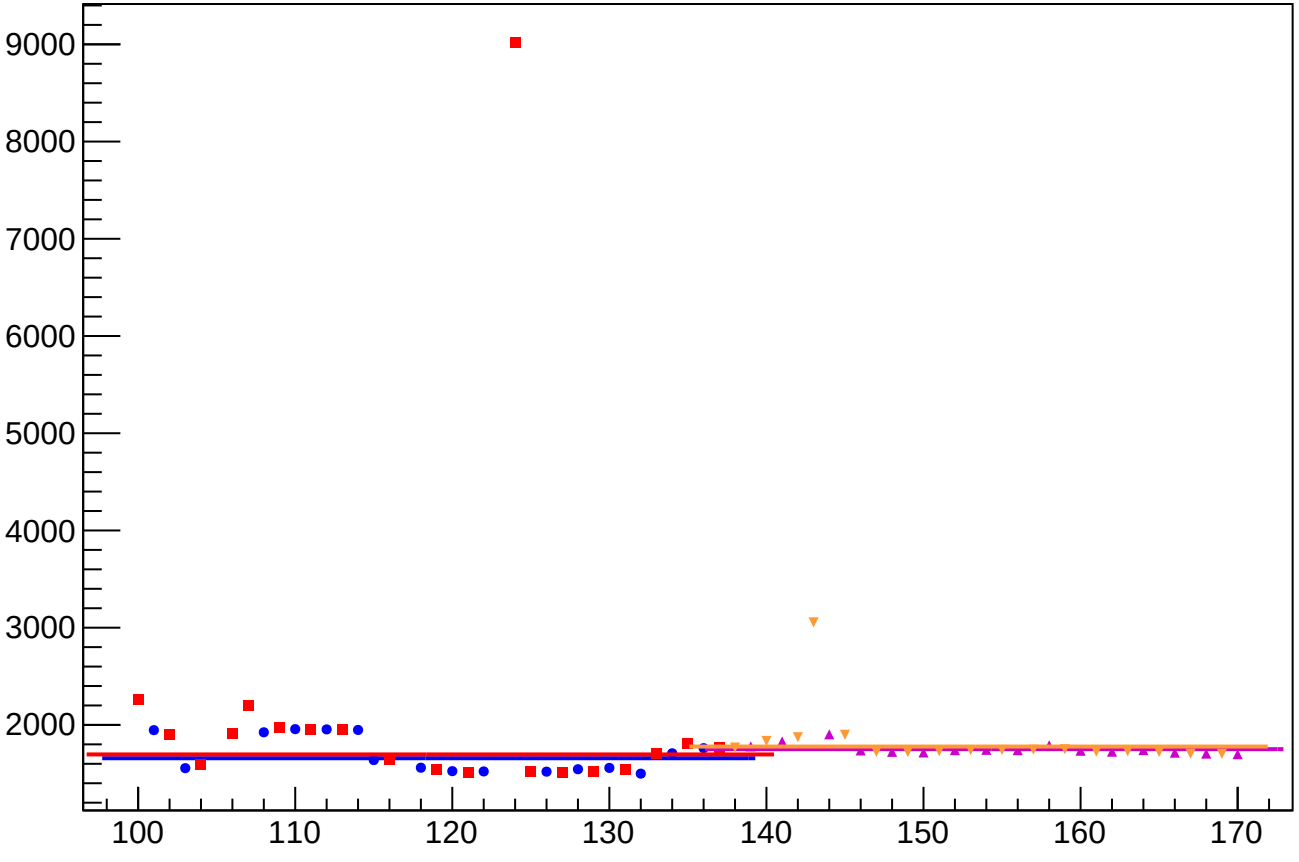
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -391.992+/-380.339 χ^2/NDF:18.6/31

Out: 309.636+/-386.422 χ^2/NDF:57.6/35

All: -46.743+/-271.065 χ^2/NDF: 77.9/67

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1777.456+/-0.345 χ^2/NDF:313540.1/16

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

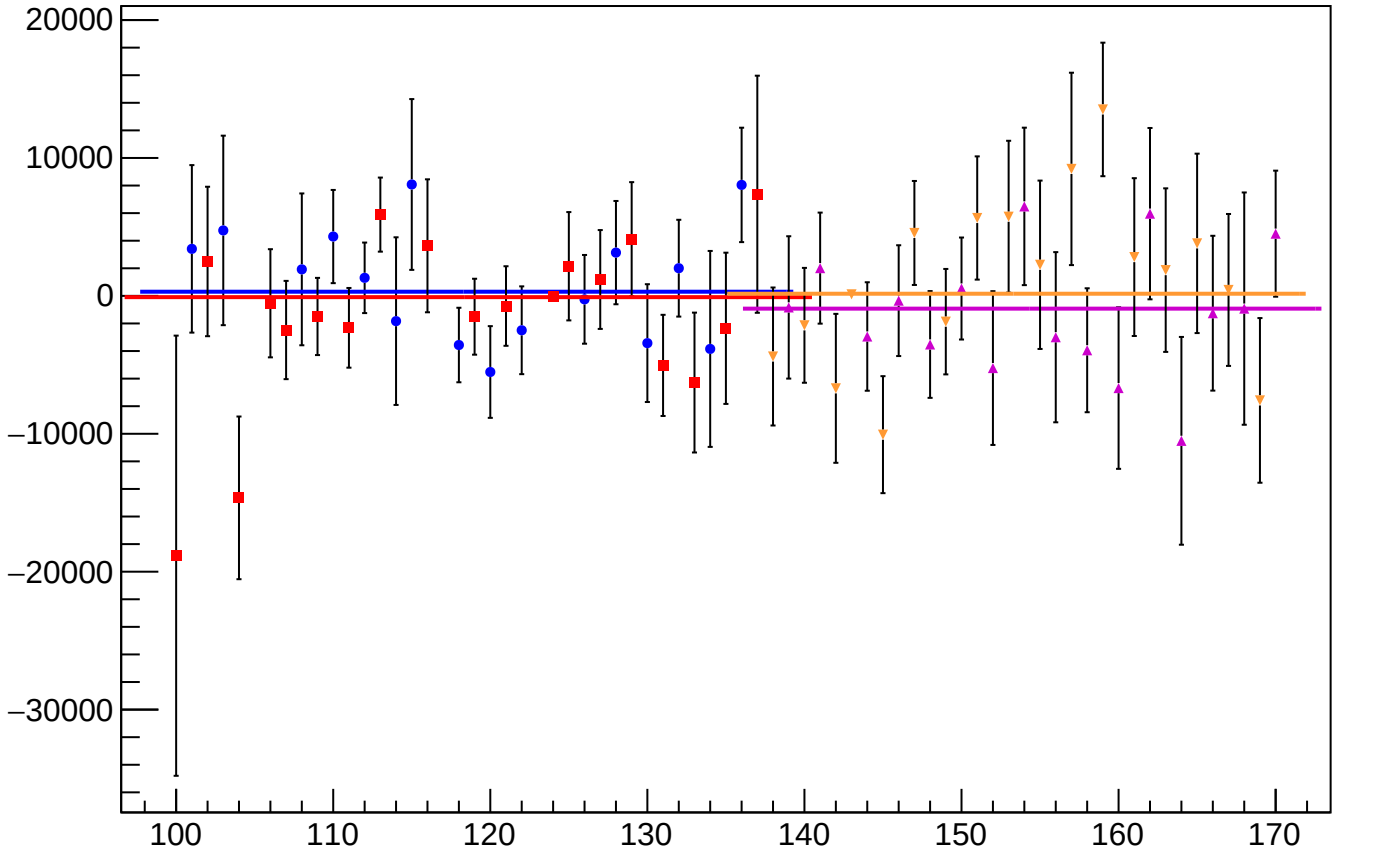
Left: 1763.867+/-0.242 χ^2/NDF: 338008.7/32

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.414+/-0.269 χ^2/NDF:193745.7/31

Out: 1747.174+/-0.273 χ^2/NDF:722154.6/35

All: 1731.067+/-0.192 χ^2/NDF: 922773.2/67



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 155.426+/-349.504 χ^2/NDF:24.5/16

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -925.867+/-1220.992 χ^2/NDF:9.5/15

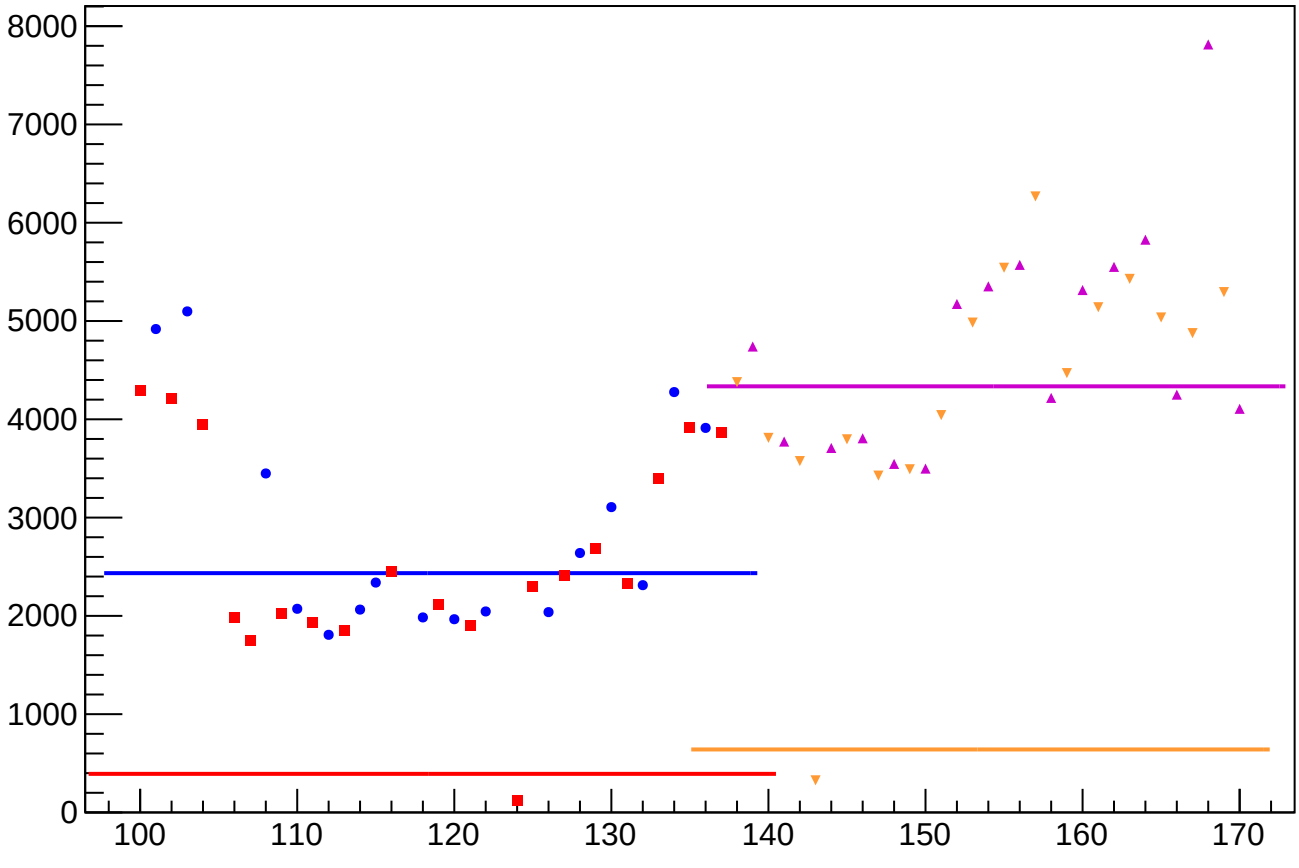
Left: 73.538+/-336.009 χ^2/NDF: 34.7/32

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -167.748+/-755.133 χ^2/NDF:25.5/31

Out: 19.060+/-234.299 χ^2/NDF:45.4/35

All: 2.656+/-223.775 χ^2/NDF: 70.9/67



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 640.888+/-0.247 χ^2/NDF:19763260.1/16

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

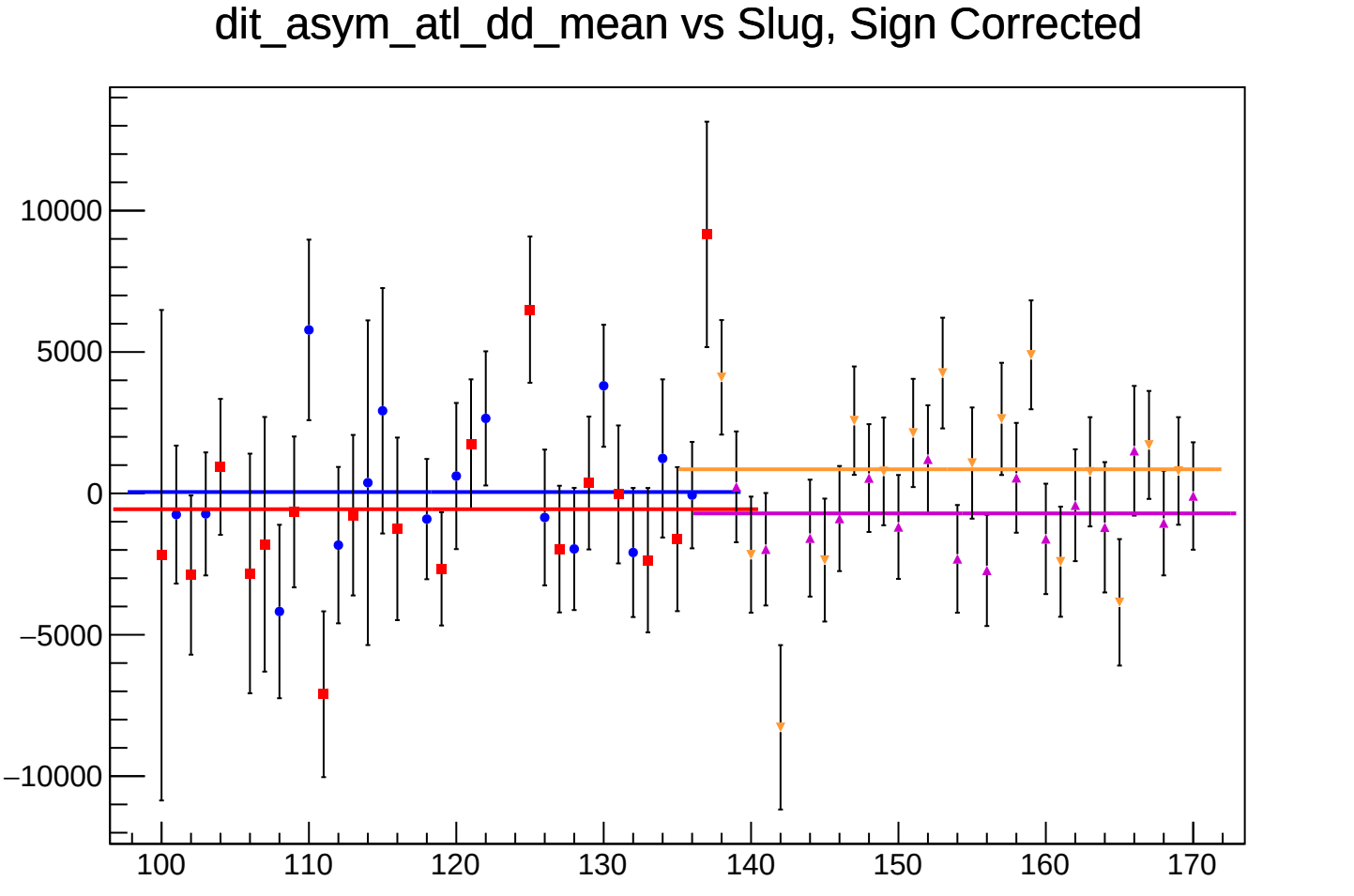
Left: 920.683+/-0.238 χ^2/NDF: 37758557.2/32

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

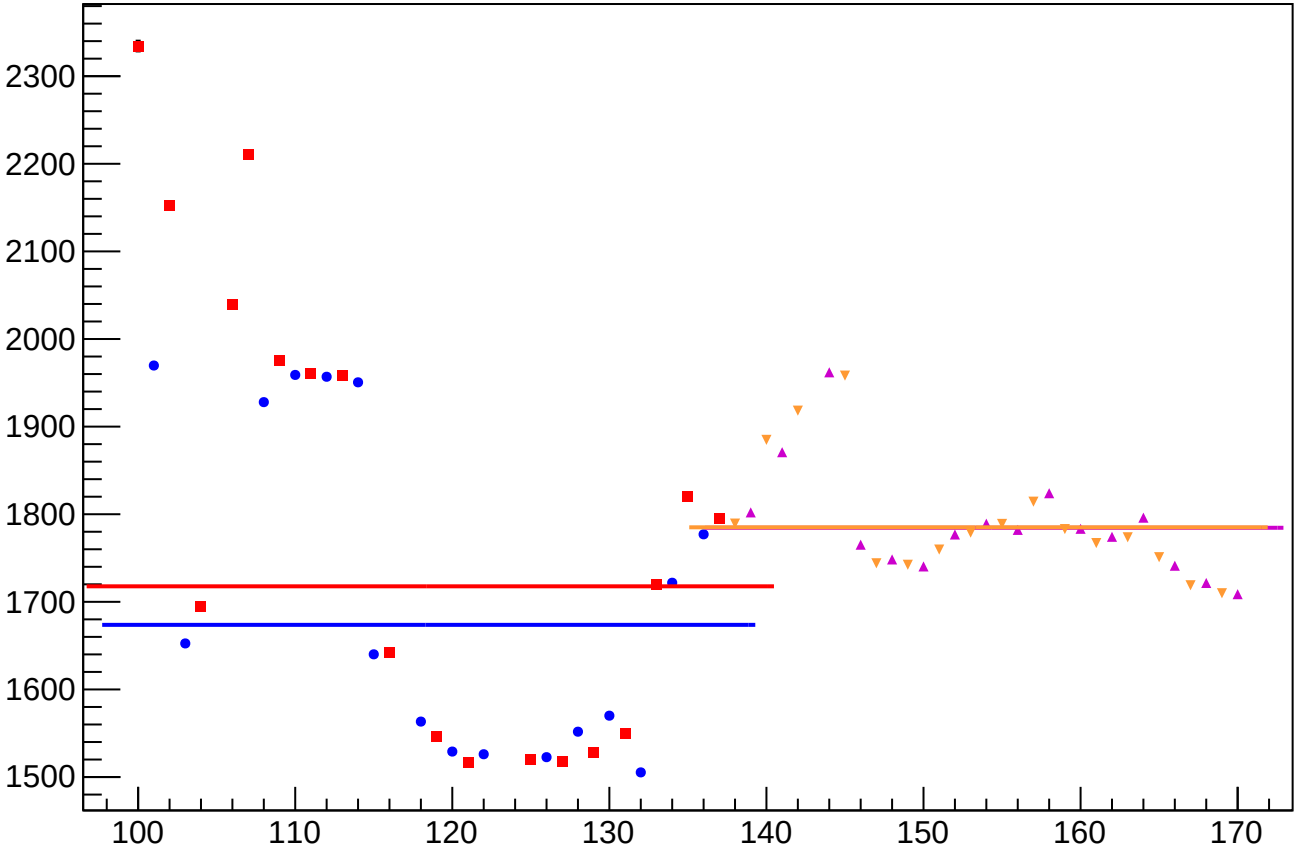
In: 3161.758+/-0.534 χ^2/NDF:5519048.1/31

Out: 504.217+/-0.166 χ^2/NDF:31726709.9/35

All: 737.593+/-0.158 χ^2/NDF: 59841431.4/67


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: 851.860+/-502.700 χ²/NDF:33.7/15
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -707.399+/-491.064 χ²/NDF:5.9/15
Left: 53.975+/-351.276 χ²/NDF: 44.5/31
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -419.596+/-386.406 χ²/NDF:19.6/31
Out: 318.784+/-396.567 χ²/NDF:60.0/33
All: -59.987+/-276.753 χ²/NDF: 81.4/65

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1785.065+/-0.355 χ^2/NDF:30600.9/15

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1784.532+/-0.347 χ^2/NDF:27930.7/15

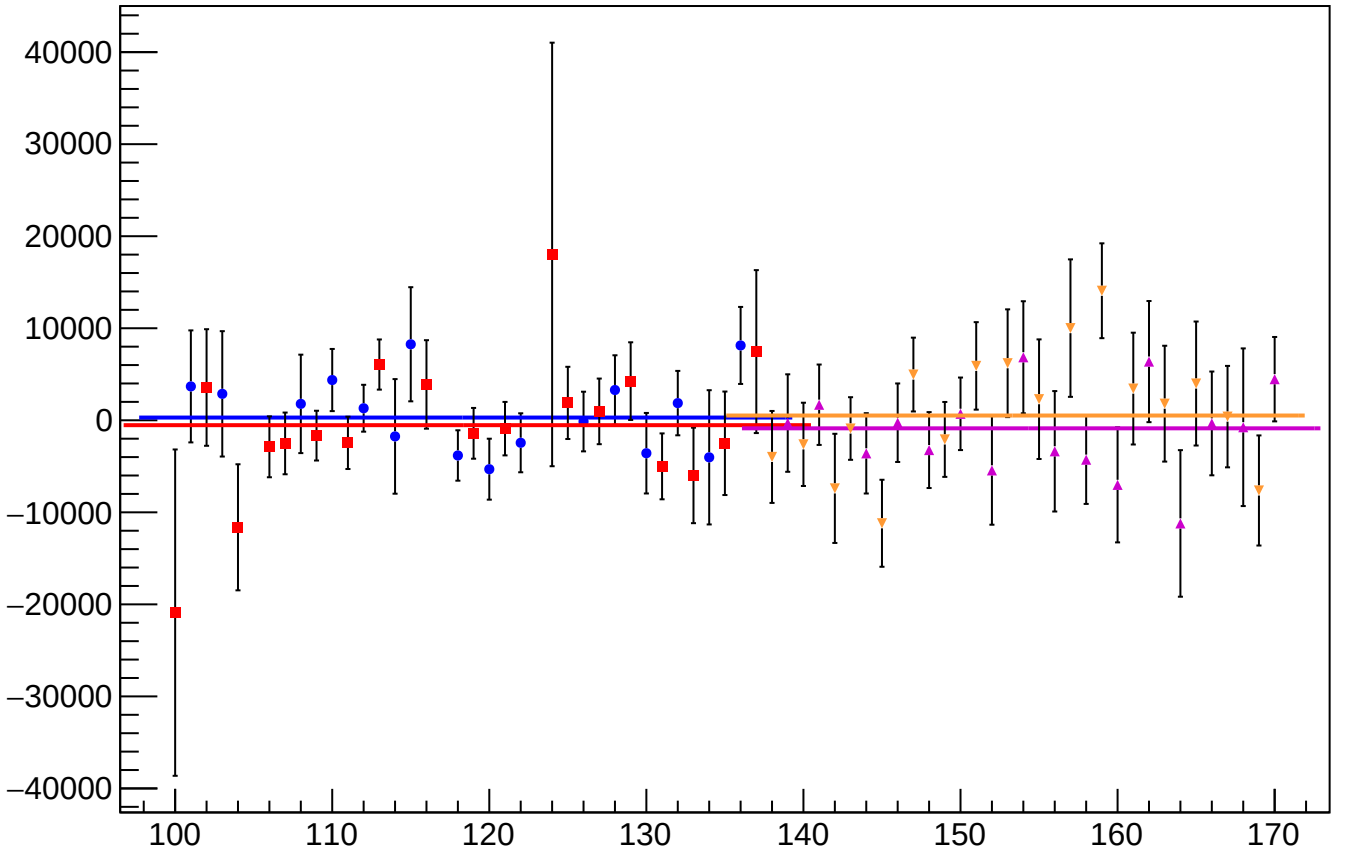
Left: 1784.792+/-0.248 χ^2/NDF: 58532.8/31

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1742.335+/-0.273 χ^2/NDF:207581.9/31

Out: 1759.554+/-0.280 χ^2/NDF:271841.0/33

All: 1750.729+/-0.196 χ^2/NDF: 481359.1/65



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 517.442+/-1231.739 χ^2/NDF:24.3/16

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -874.294+/-1292.989 χ^2/NDF:9.3/15

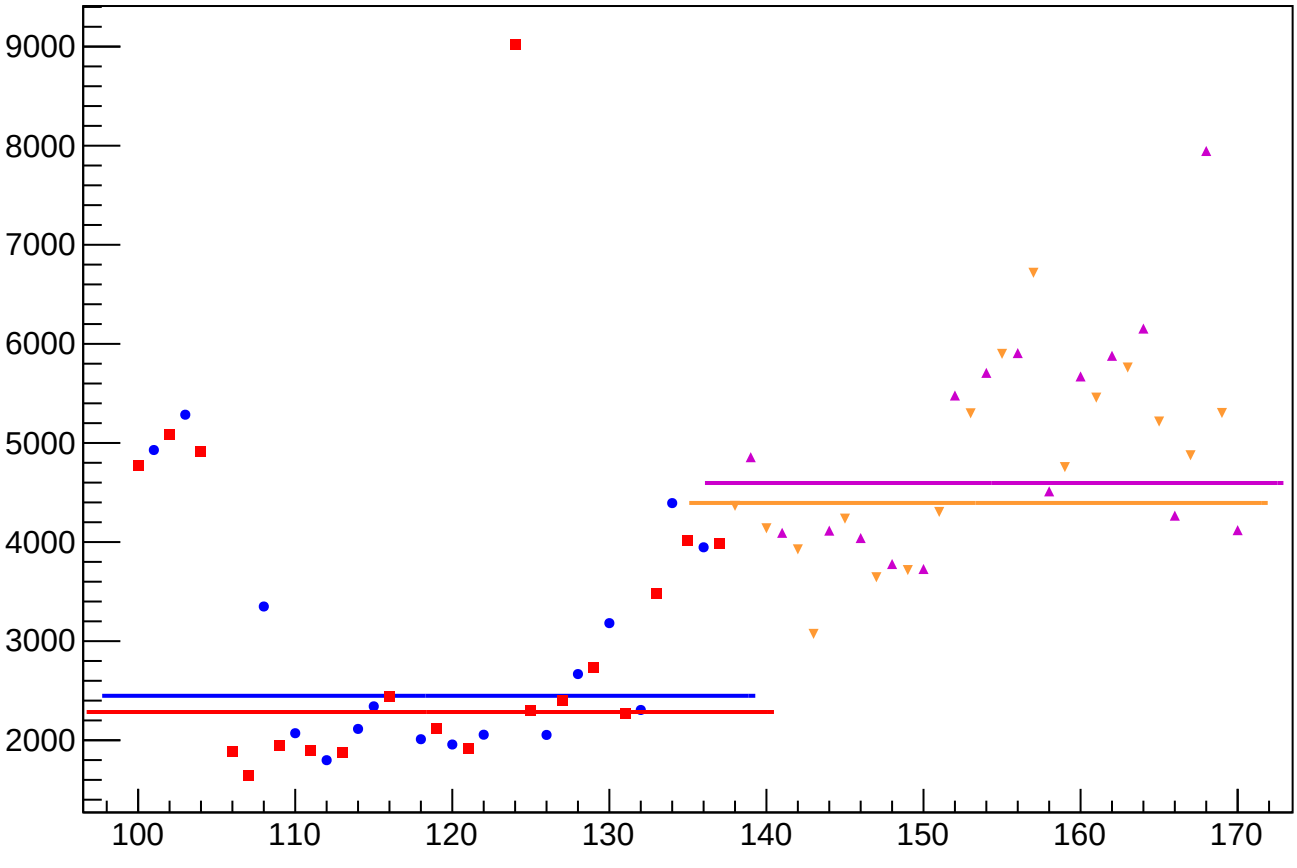
Left: -144.683+/-891.839 χ^2/NDF: 34.2/32

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -122.154+/-773.193 χ^2/NDF:25.1/31

Out: -174.588+/-718.167 χ^2/NDF:43.5/35

All: -150.303+/-526.200 χ^2/NDF: 68.6/67



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4394.733+/-0.871 χ^2/NDF:1053952.5/16

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4596.111+/-0.914 χ^2/NDF:1003735.2/15

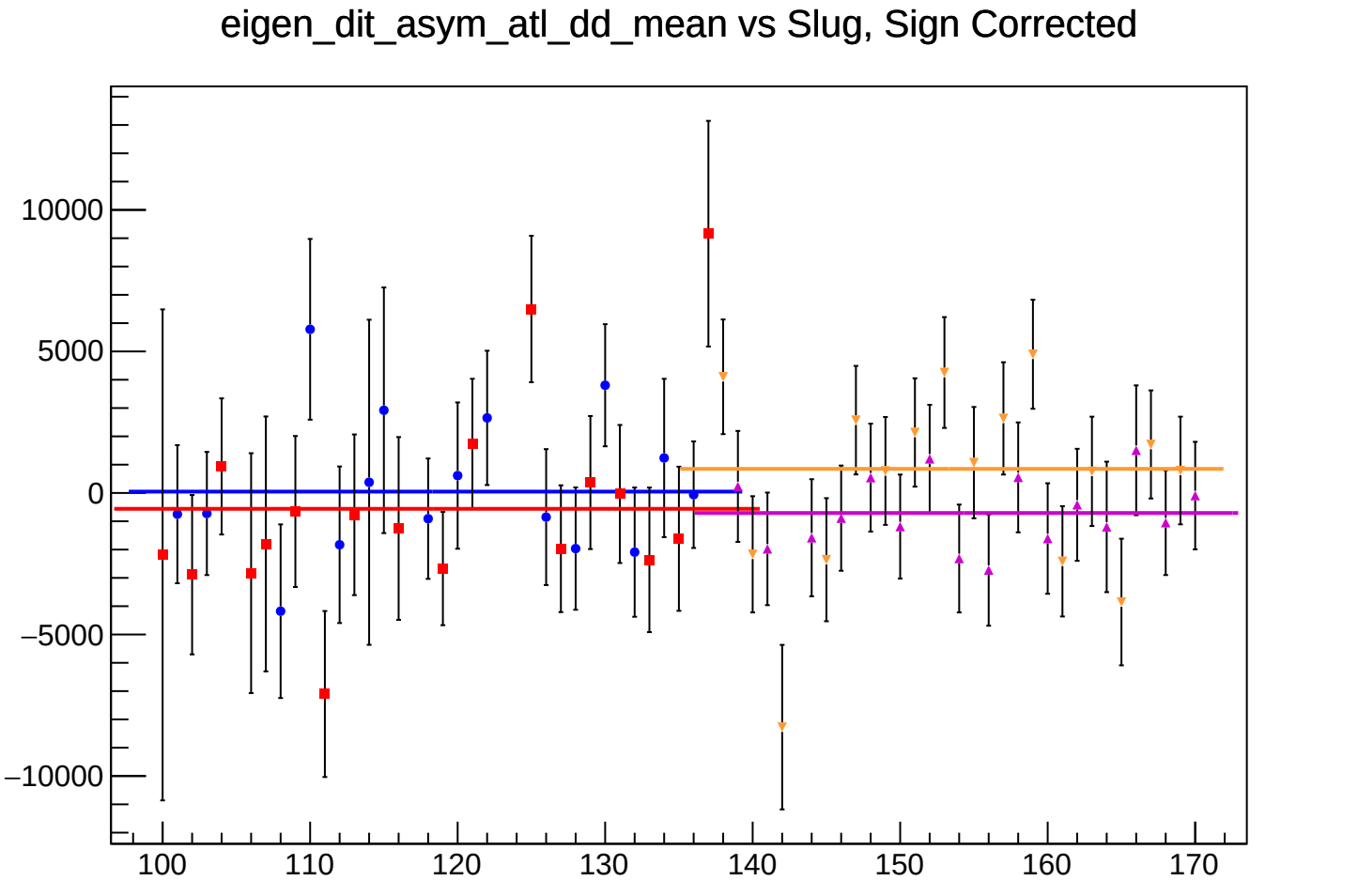
Left: 4490.540+/-0.631 χ^2/NDF: 2083120.7/32

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3216.529+/-0.547 χ^2/NDF:6065564.8/31

Out: 3002.251+/-0.508 χ^2/NDF:6475297.0/35

All: 3101.494+/-0.372 χ^2/NDF: 12623324.5/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 851.864+/-502.700 χ^2/NDF:33.7/15

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -707.400+/-491.064 χ^2/NDF:5.9/15

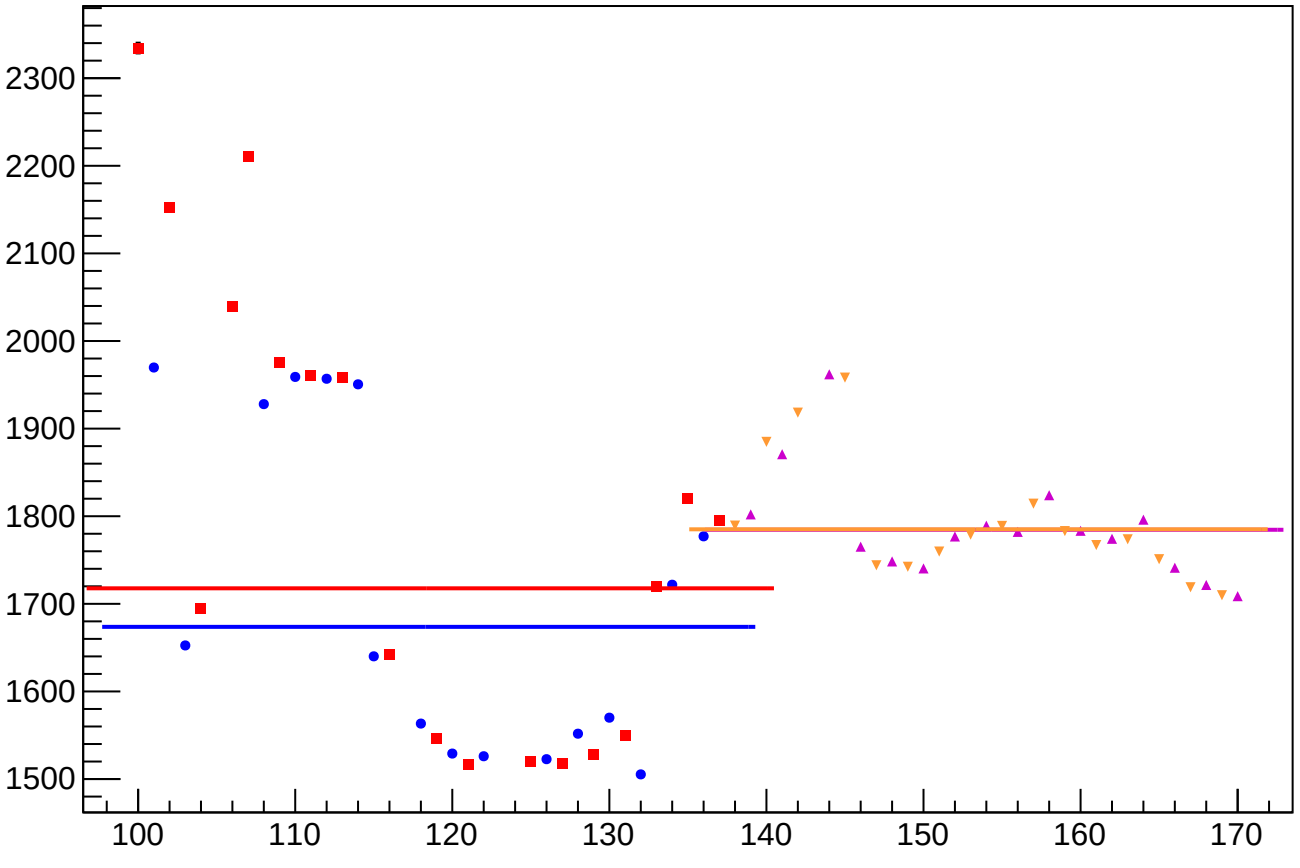
Left: 53.977+/-351.276 χ^2/NDF: 44.5/31

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -419.597+/-386.406 χ^2/NDF:19.6/31

Out: 318.785+/-396.567 χ^2/NDF:60.0/33

All: -59.987+/-276.753 χ^2/NDF: 81.4/65



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1785.066+/-0.355 χ^2/NDF:30601.5/15

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1784.532+/-0.347 χ^2/NDF:27931.1/15

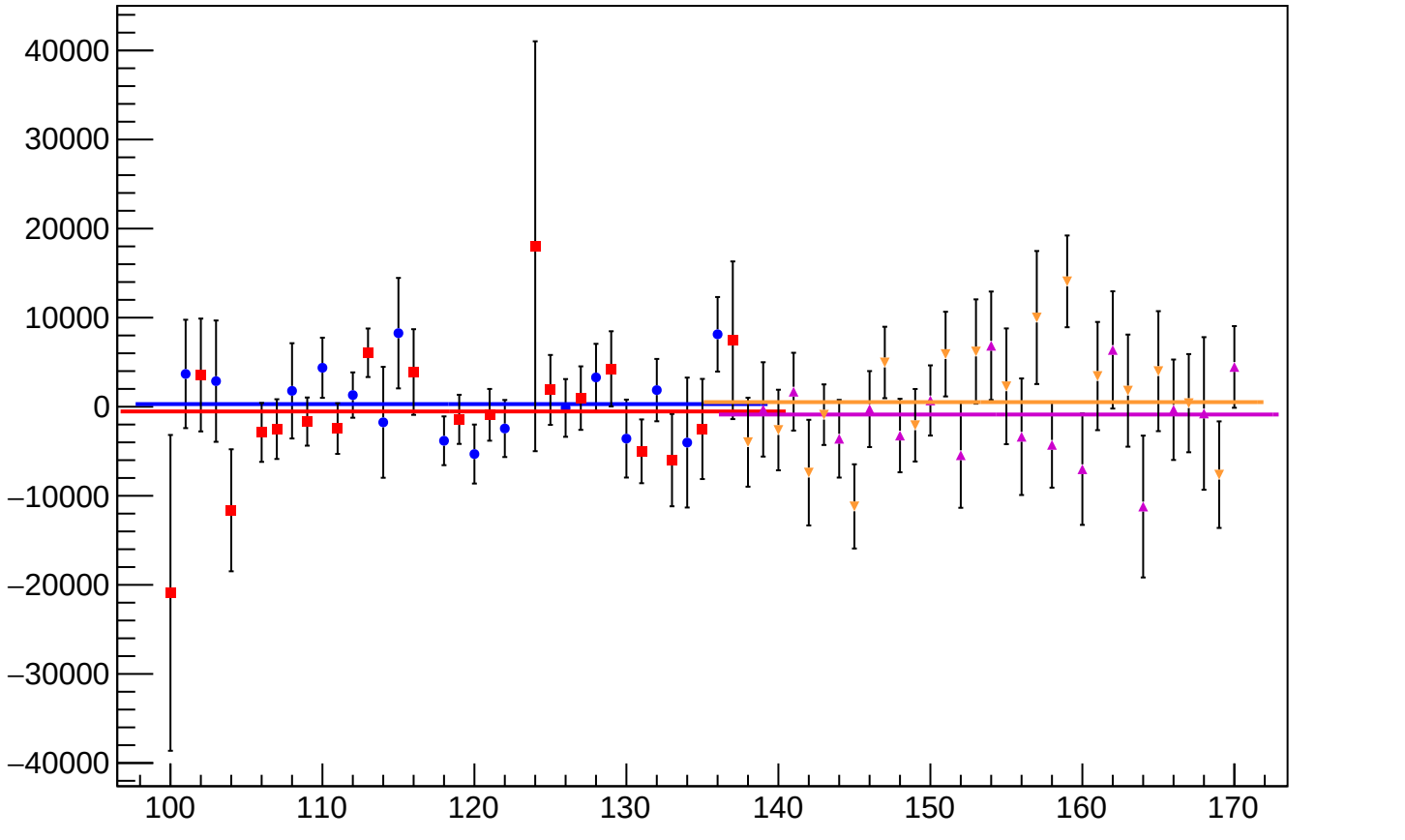
Left: 1784.793+/-0.248 χ^2/NDF: 58533.7/31

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1742.335+/-0.273 χ^2/NDF:207583.0/31

Out: 1759.555+/-0.280 χ^2/NDF:271841.4/33

All: 1750.729+/-0.196 χ^2/NDF: 481360.5/65



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 517.446+/-1231.741 χ^2/NDF:24.3/16

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -874.294+/-1292.991 χ^2/NDF:9.3/15

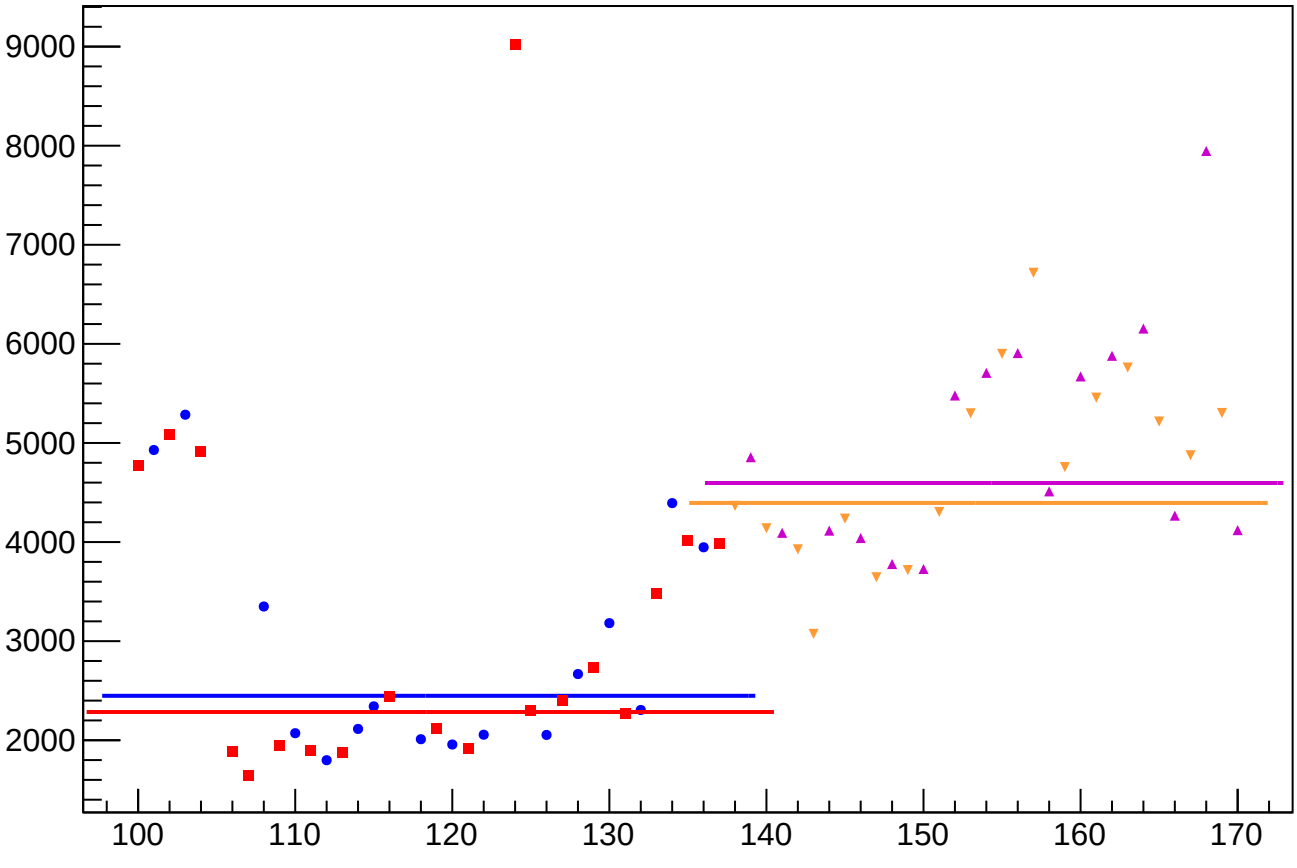
Left: -144.680+/-891.840 χ^2/NDF: 34.2/32

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -122.155+/-773.191 χ^2/NDF:25.1/31

Out: -174.590+/-718.166 χ^2/NDF:43.5/35

All: -150.305+/-526.199 χ^2/NDF: 68.6/67



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4394.738+/-0.871 χ^2/NDF:1053956.7/16

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4596.116+/-0.914 χ^2/NDF:1003738.3/15

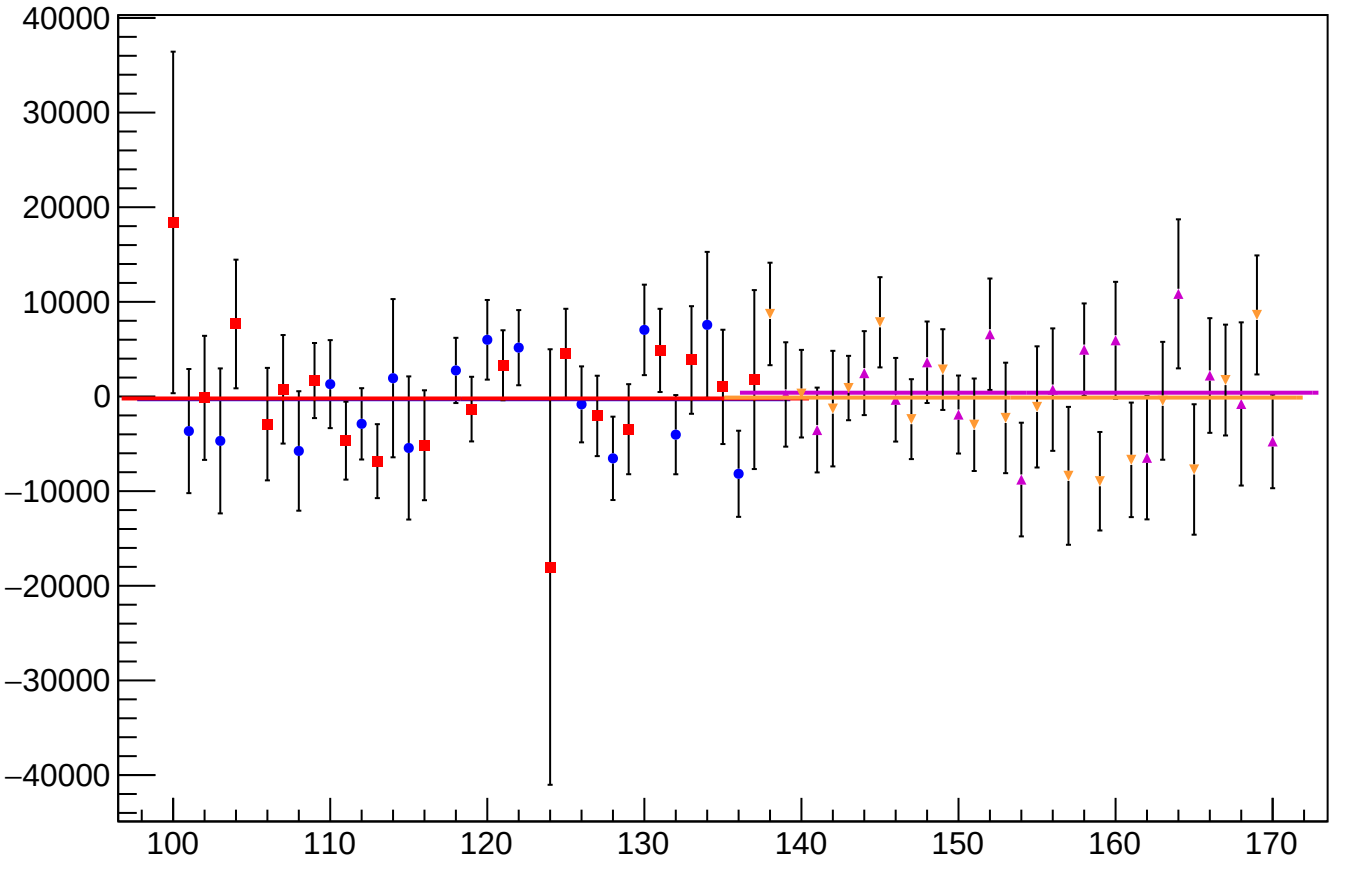
Left: 4490.545+/-0.631 χ^2/NDF: 2083128.0/32

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3216.518+/-0.547 χ^2/NDF:6065638.1/31

Out: 3002.242+/-0.508 χ^2/NDF:6475362.0/35

All: 3101.485+/-0.372 χ^2/NDF: 12623461.8/6



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -116.825+/-1260.739 χ^2/NDF:15.5/16

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 400.202+/-1327.561 χ^2/NDF:11.1/15

Left: 128.349+/-914.188 χ^2/NDF: 26.6/32

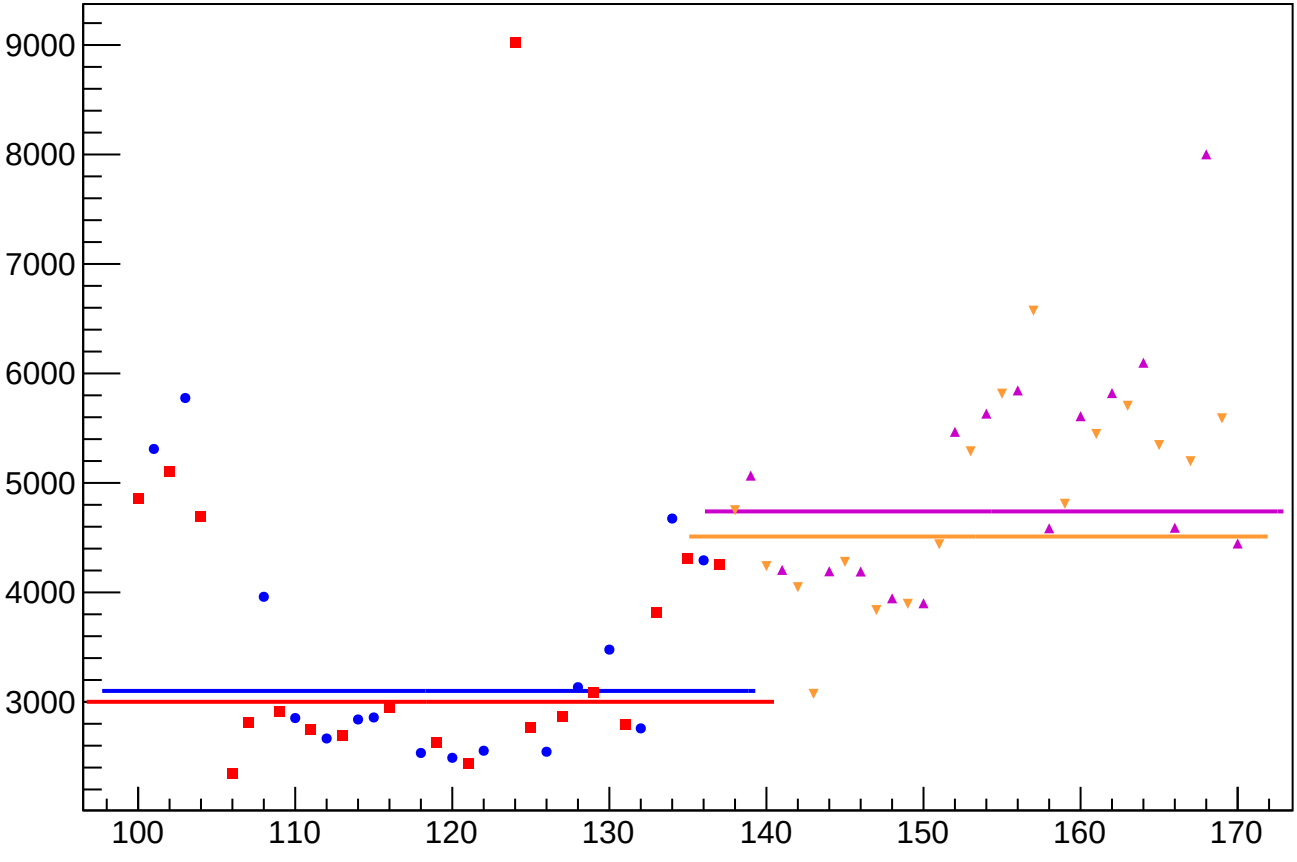
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 21.100+/-889.131 χ^2/NDF:27.8/31

Out: -167.246+/-851.136 χ^2/NDF:28.3/35

All: -77.183+/-614.837 χ^2/NDF: 56.1/67

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4510.399+/-0.891 χ^2/NDF:999539.6/16

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4739.667+/-0.939 χ^2/NDF:831263.7/15

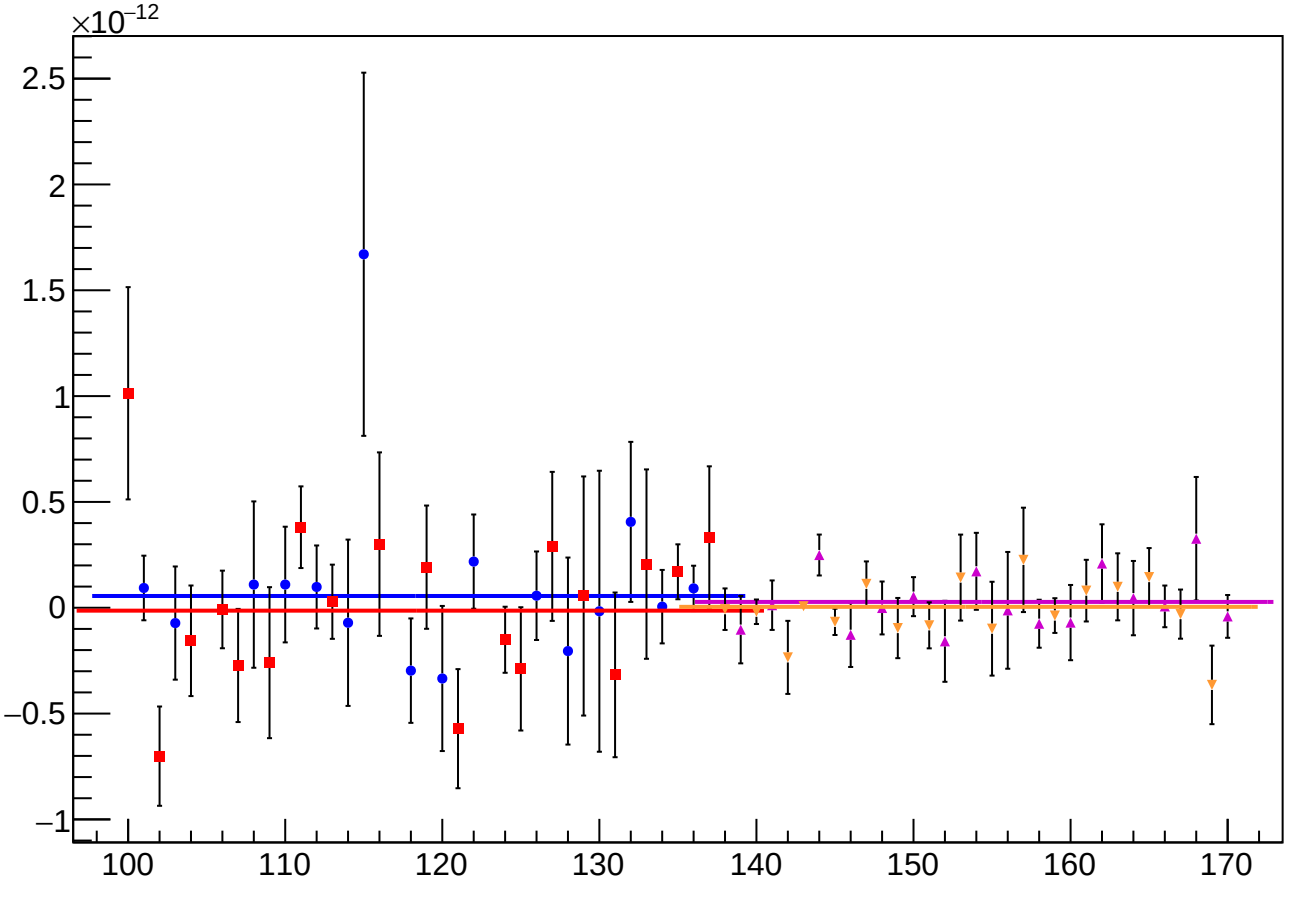
Left: 4619.118+/-0.646 χ^2/NDF: 1862167.3/32

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3835.565+/-0.629 χ^2/NDF:3477059.6/31

Out: 3678.641+/-0.597 χ^2/NDF:3386125.4/35

All: 3753.096+/-0.433 χ^2/NDF: 6895925.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/15

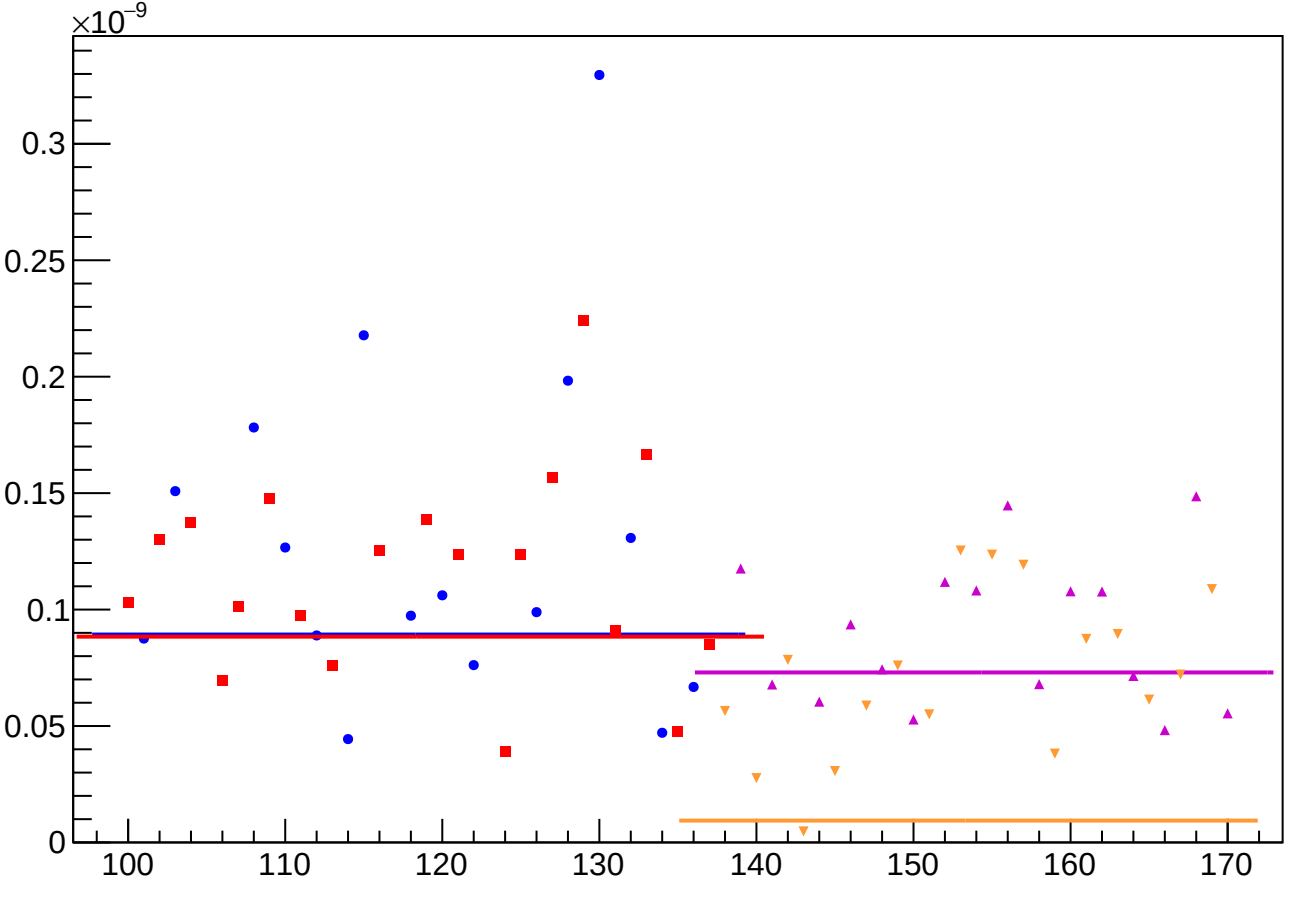
Left: 0.000+/-0.000 χ^2/NDF: 26.0/32

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:21.9/31

Out: 0.000+/-0.000 χ^2/NDF:43.3/35

All: 0.000+/-0.000 χ^2/NDF: 66.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7330691.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1093029.7/15

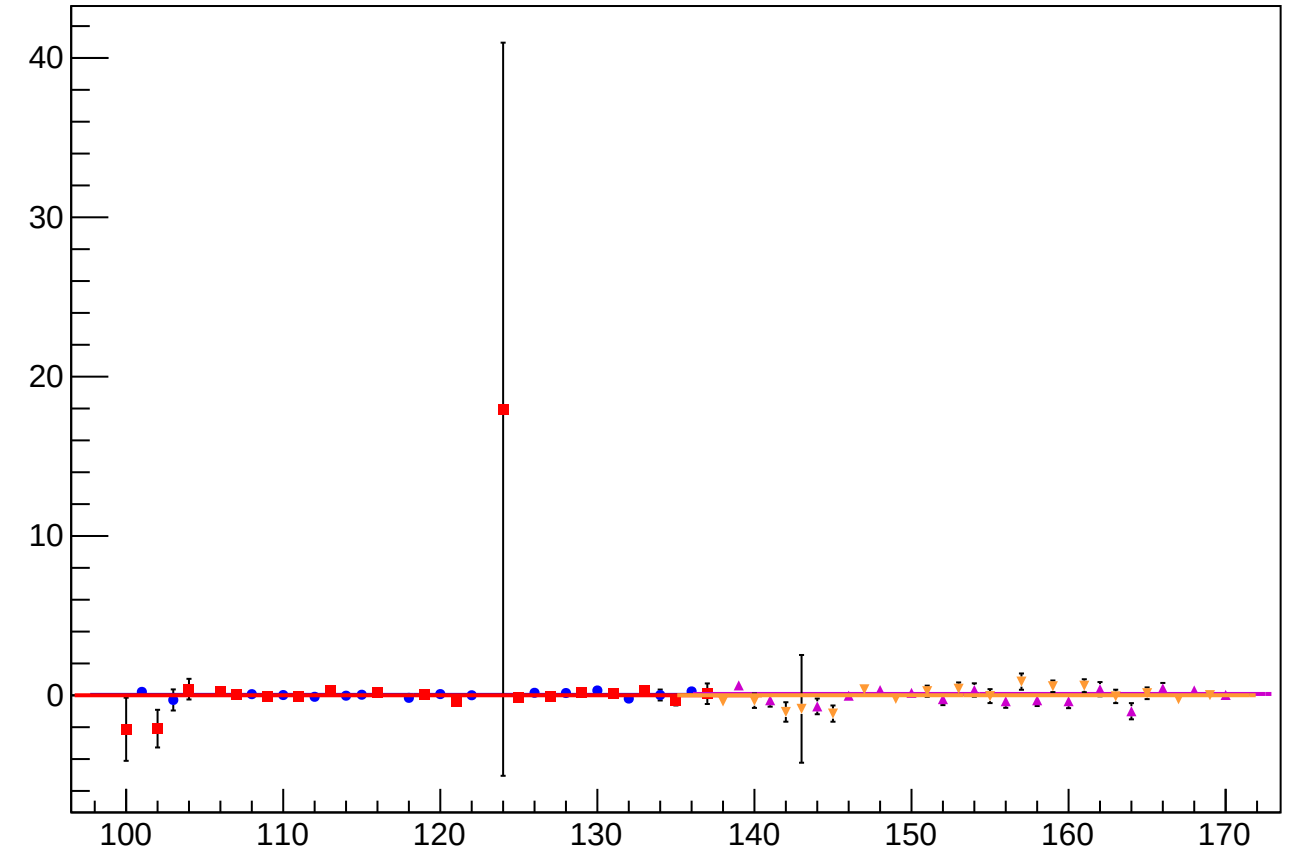
Left: 0.000+/-0.000 χ^2/NDF: 15258322.1/32

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2165641.1/31

Out: 0.000+/-0.000 χ^2/NDF:12265908.5/35

All: 0.000+/-0.000 χ^2/NDF: 24172840.0/67



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.005+/-0.083 χ^2/NDF:22.8/16

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.086+/-0.080 χ^2/NDF:21.1/15

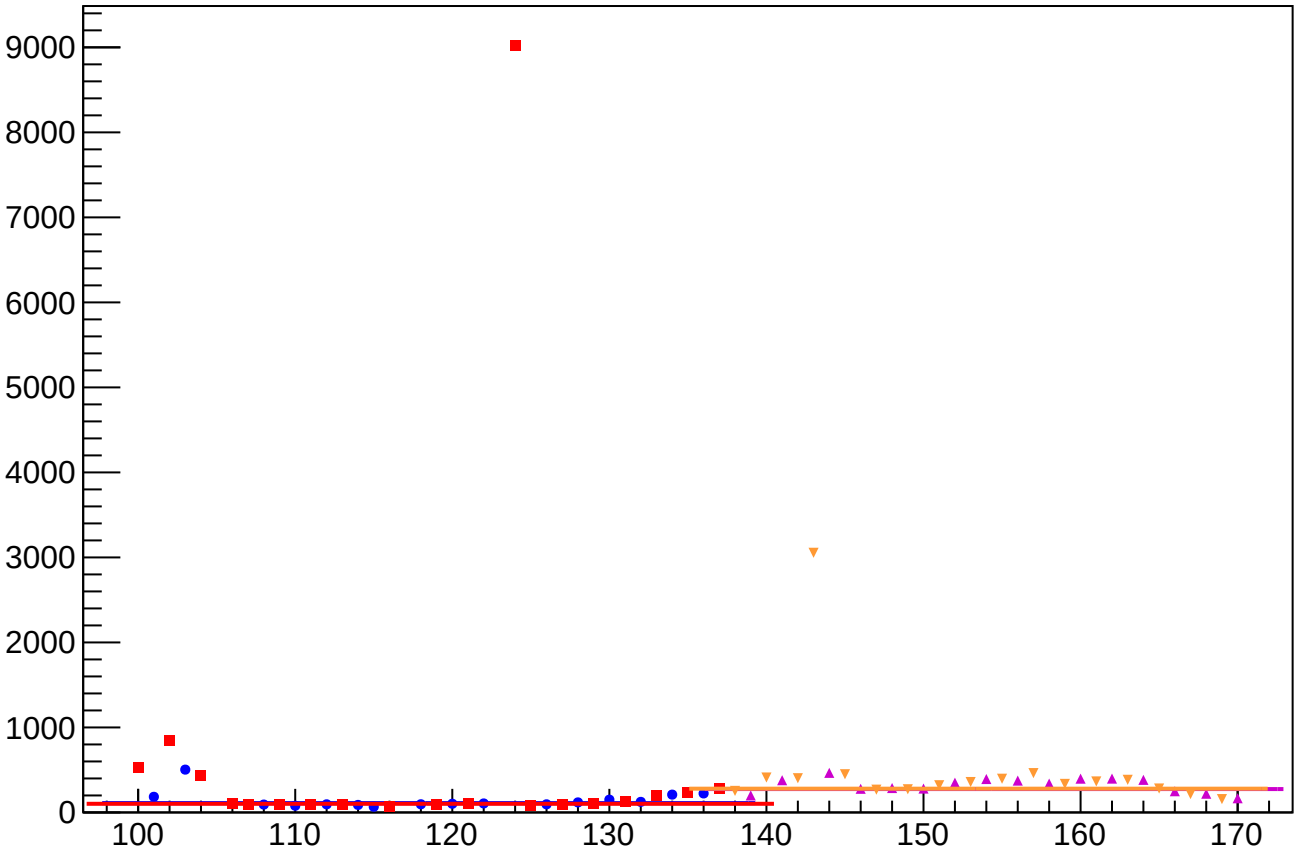
Left: 0.047+/-0.058 χ^2/NDF: 44.4/32

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.004+/-0.038 χ^2/NDF:45.2/35

All: 0.022+/-0.028 χ^2/NDF: 76.0/67



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 279.689+/-0.059 χ^2/NDF:3710237.4/16

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 275.115+/-0.057 χ^2/NDF:2225464.1/15

Left: 277.326+/-0.041 χ^2/NDF: 5938842.0/32

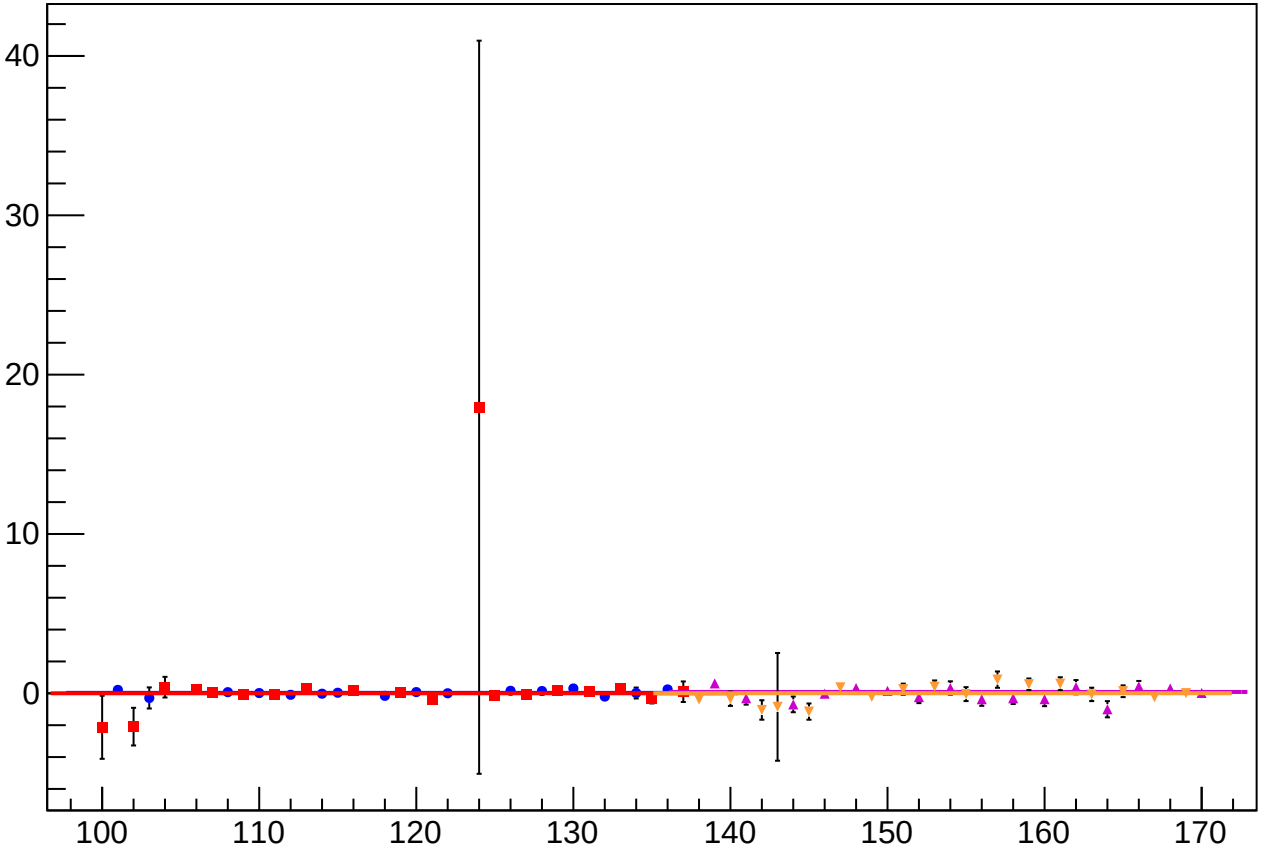
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.883+/-0.028 χ^2/NDF:10576289.6/31

Out: 140.011+/-0.027 χ^2/NDF:13515146.0/35

All: 144.818+/-0.019 χ^2/NDF: 24155687.6/67

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: 0.005+/-0.083 χ^2/NDF:22.8/16

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.047+/-0.058 χ^2/NDF: 44.4/32

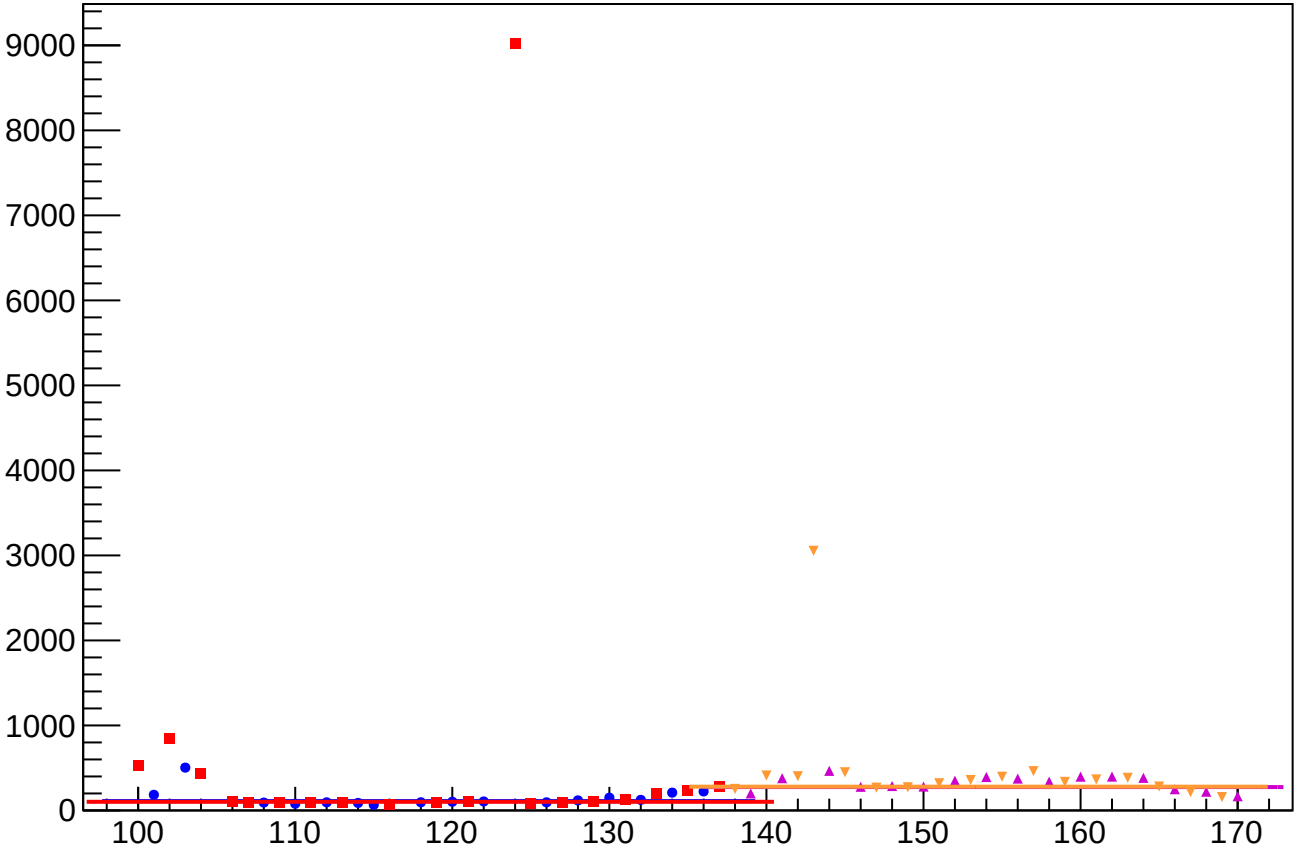
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.004+/-0.038 χ^2/NDF:45.2/35

All: 0.022+/-0.028 χ^2/NDF: 76.0/67

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: 279.689+/-0.059 χ^2/NDF:3710237.4/16

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 275.115+/-0.057 χ^2/NDF:2225464.1/15

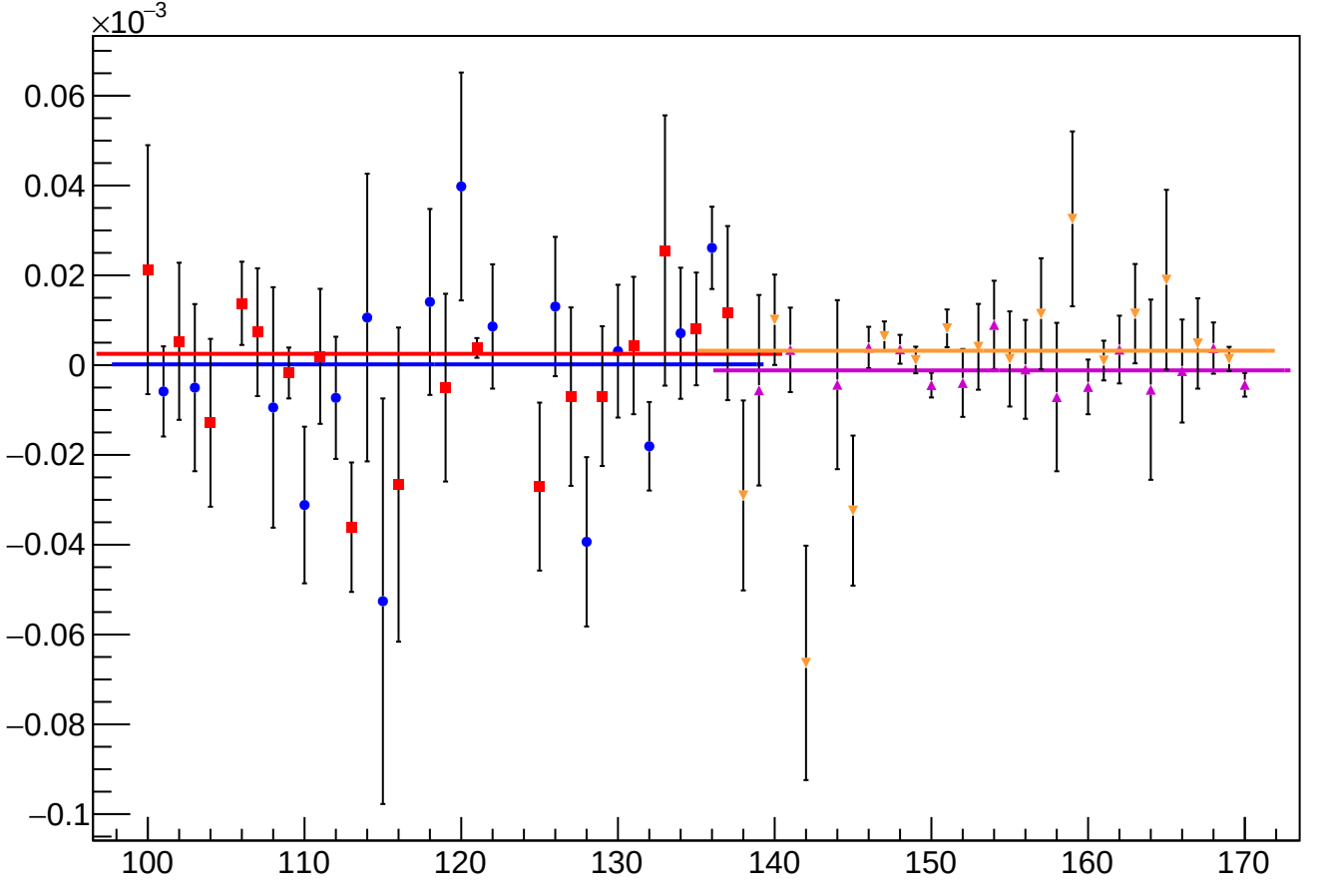
Left: 277.326+/-0.041 χ^2/NDF: 5938842.0/32

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.883+/-0.028 χ^2/NDF:10576289.6/31

Out: 140.011+/-0.027 χ^2/NDF:13515146.0/35

All: 144.818+/-0.019 χ^2/NDF: 24155687.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/15

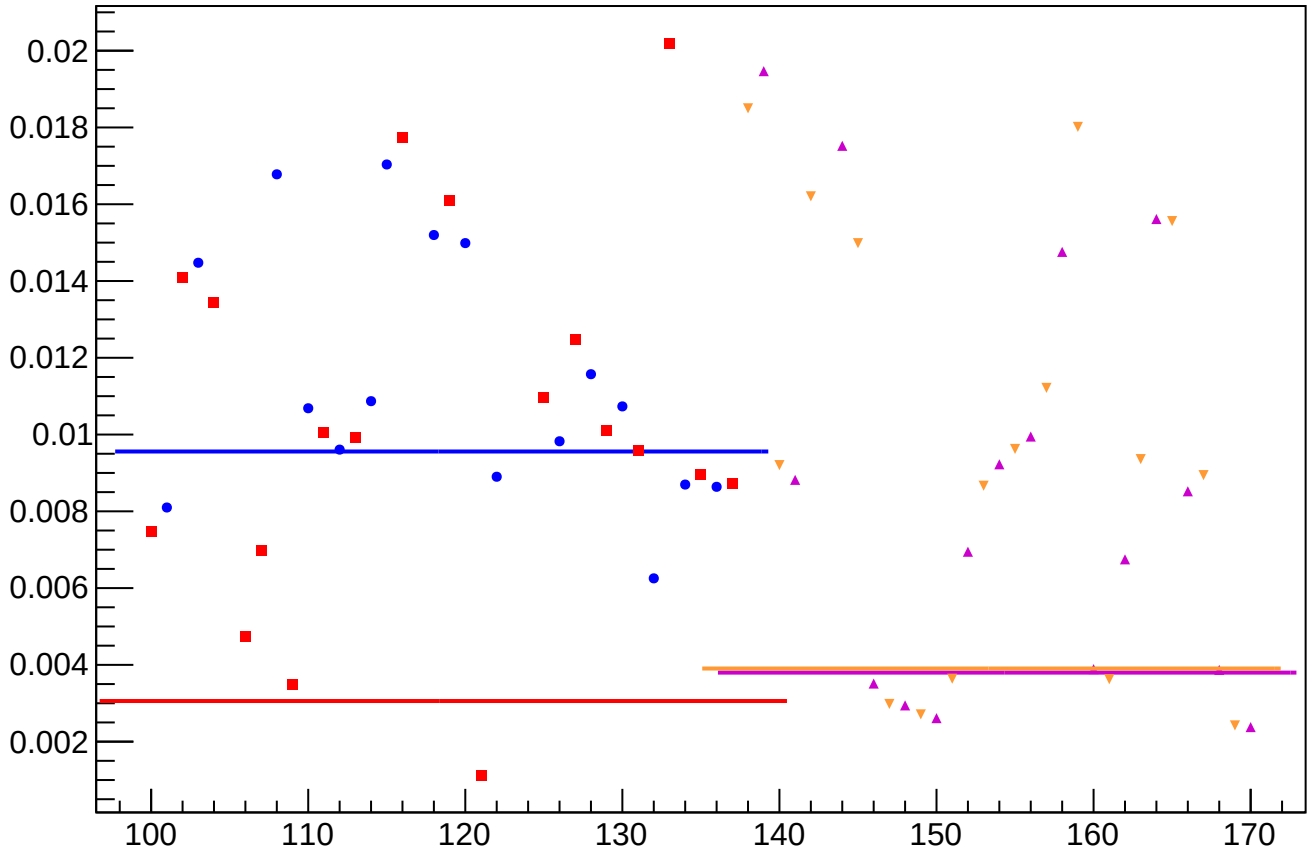
Left: 0.000+/-0.000 χ^2/NDF: 36.5/31

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:37.8/33

All: 0.000+/-0.000 χ^2/NDF: 78.6/65



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:8424112.7/15

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:7616166.4/15

Left: 0.004+/-0.000 χ^2/NDF: 16046377.1/31

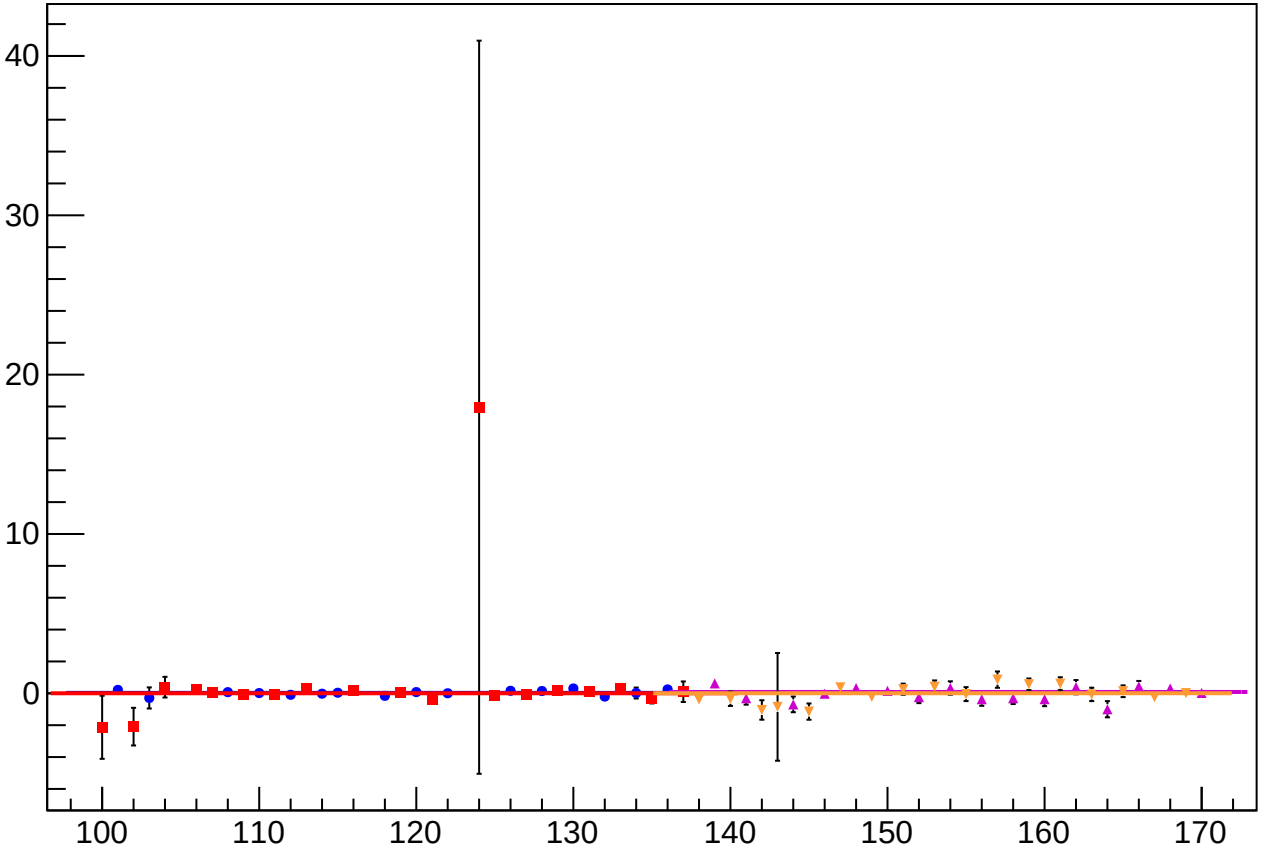
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.004+/-0.000 χ^2/NDF:12768000.0/31

Out: 0.004+/-0.000 χ^2/NDF:16818180.6/33

All: 0.004+/-0.000 χ^2/NDF: 30112123.0/65

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: 0.005+/-0.083 χ^2/NDF:22.8/16

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.047+/-0.058 χ^2/NDF: 44.4/32

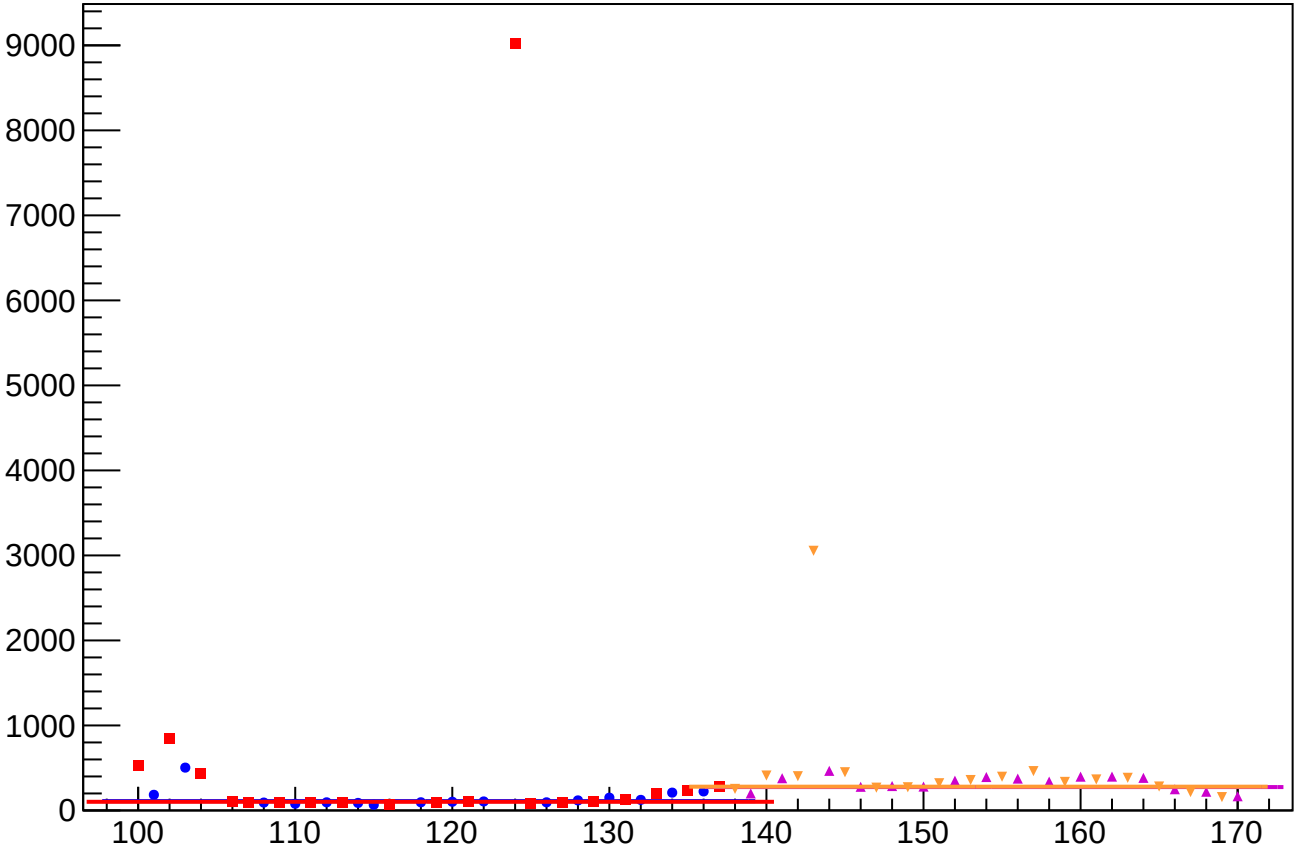
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.004+/-0.038 χ^2/NDF:45.2/35

All: 0.022+/-0.028 χ^2/NDF: 76.0/67

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 279.691+/-0.059 χ^2/NDF:3710319.4/16

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 275.118+/-0.057 χ^2/NDF:2225466.1/15

Left: 277.329+/-0.041 χ^2/NDF: 5938923.8/32

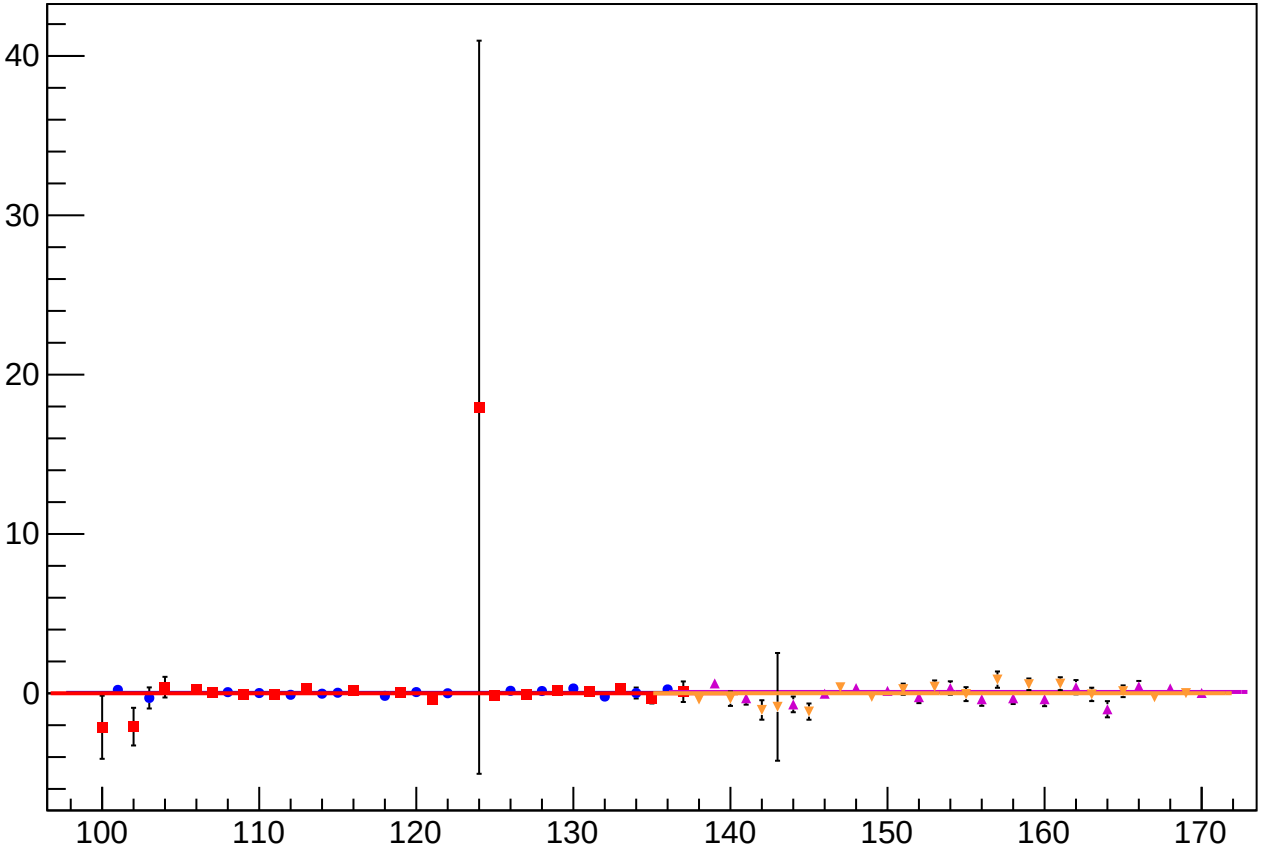
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.884+/-0.028 χ^2/NDF:10576288.4/31

Out: 140.012+/-0.027 χ^2/NDF:13515084.1/35

All: 144.820+/-0.019 χ^2/NDF: 24155619.4/67

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: 0.005+/-0.083 χ^2/NDF:22.8/16

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.047+/-0.058 χ^2/NDF: 44.4/32

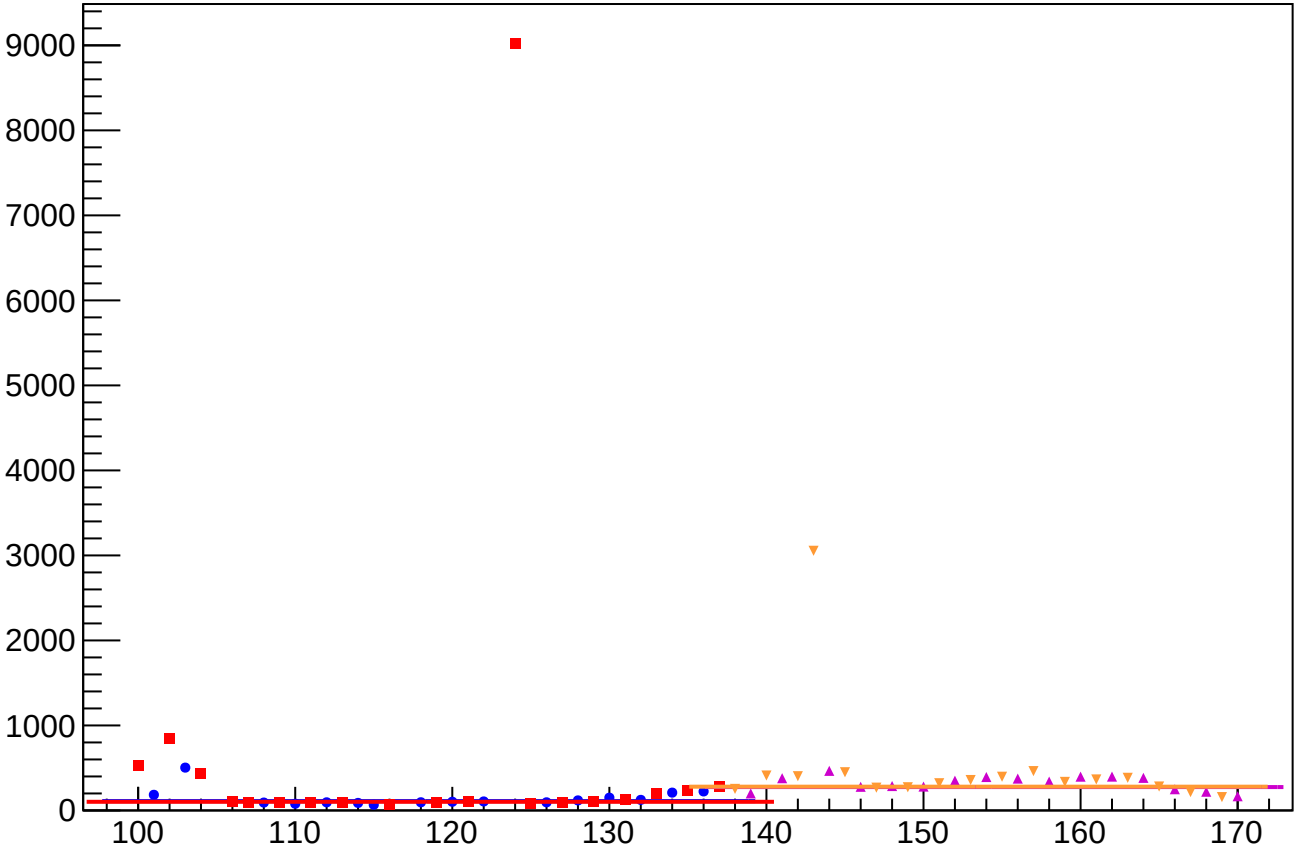
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.004+/-0.038 χ^2/NDF:45.2/35

All: 0.022+/-0.028 χ^2/NDF: 76.0/67

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: 279.691+/-0.059 χ^2/NDF:3710319.4/16

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 275.118+/-0.057 χ^2/NDF:2225466.1/15

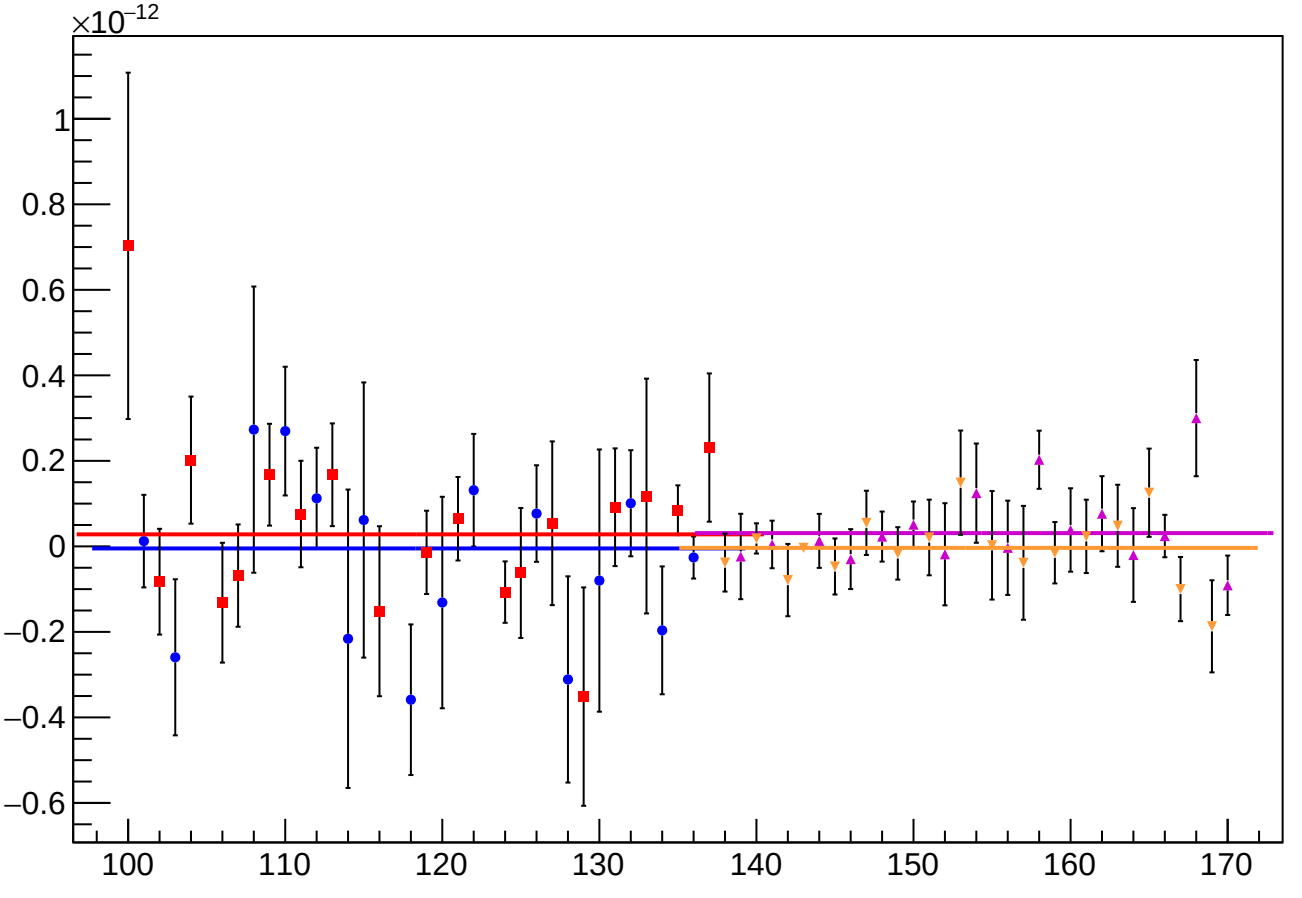
Left: 277.329+/-0.041 χ^2/NDF: 5938923.8/32

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.884+/-0.028 χ^2/NDF:10576288.4/31

Out: 140.012+/-0.027 χ^2/NDF:13515084.1/35

All: 144.820+/-0.019 χ^2/NDF: 24155619.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/15

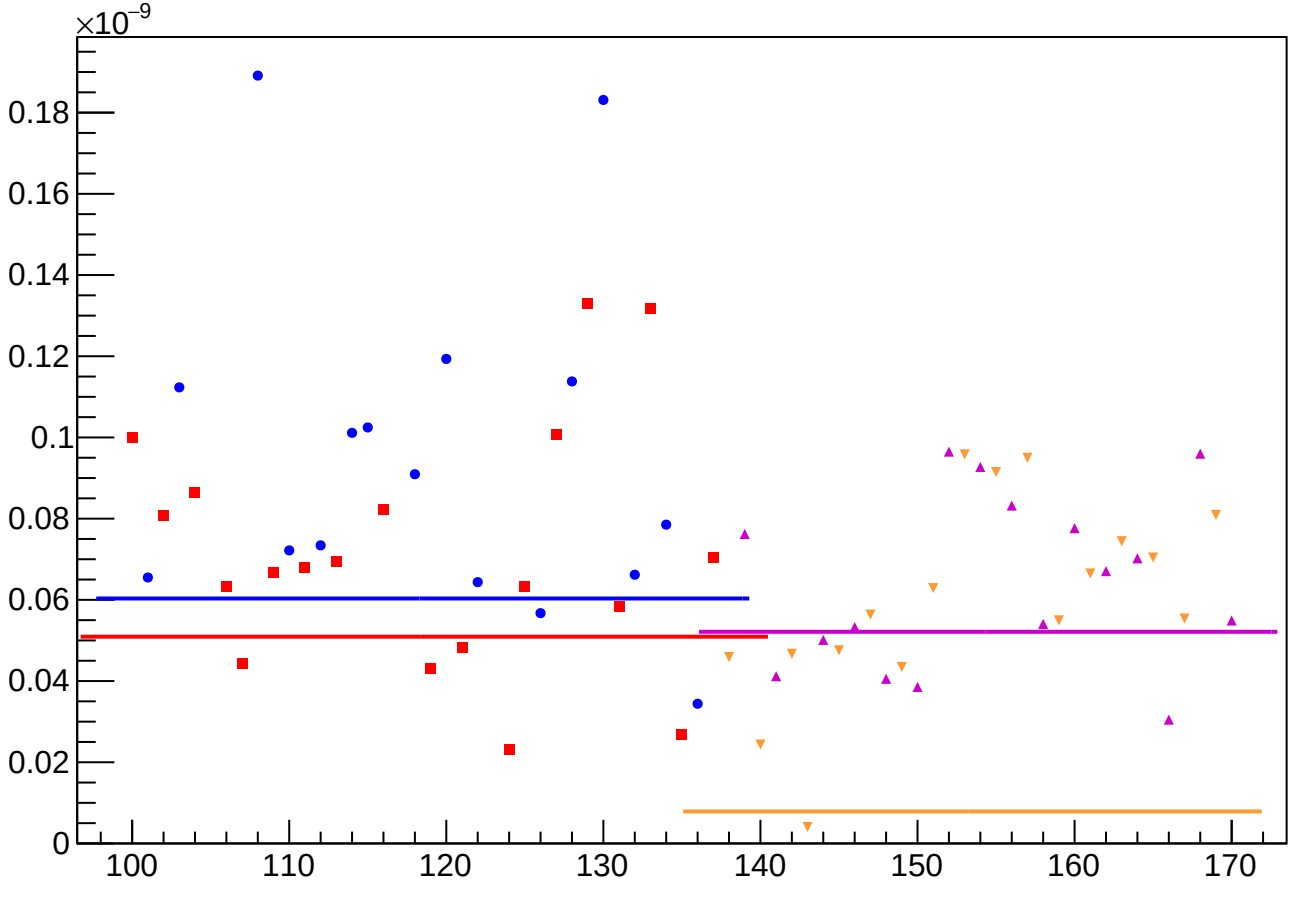
Left: -0.000+/-0.000 χ^2/NDF: 30.3/32

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:34.8/31

Out: -0.000+/-0.000 χ^2/NDF:31.7/35

All: 0.000+/-0.000 χ^2/NDF: 68.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13412409.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1923009.2/15

Left: 0.000+/-0.000 χ^2/NDF: 25940064.0/32

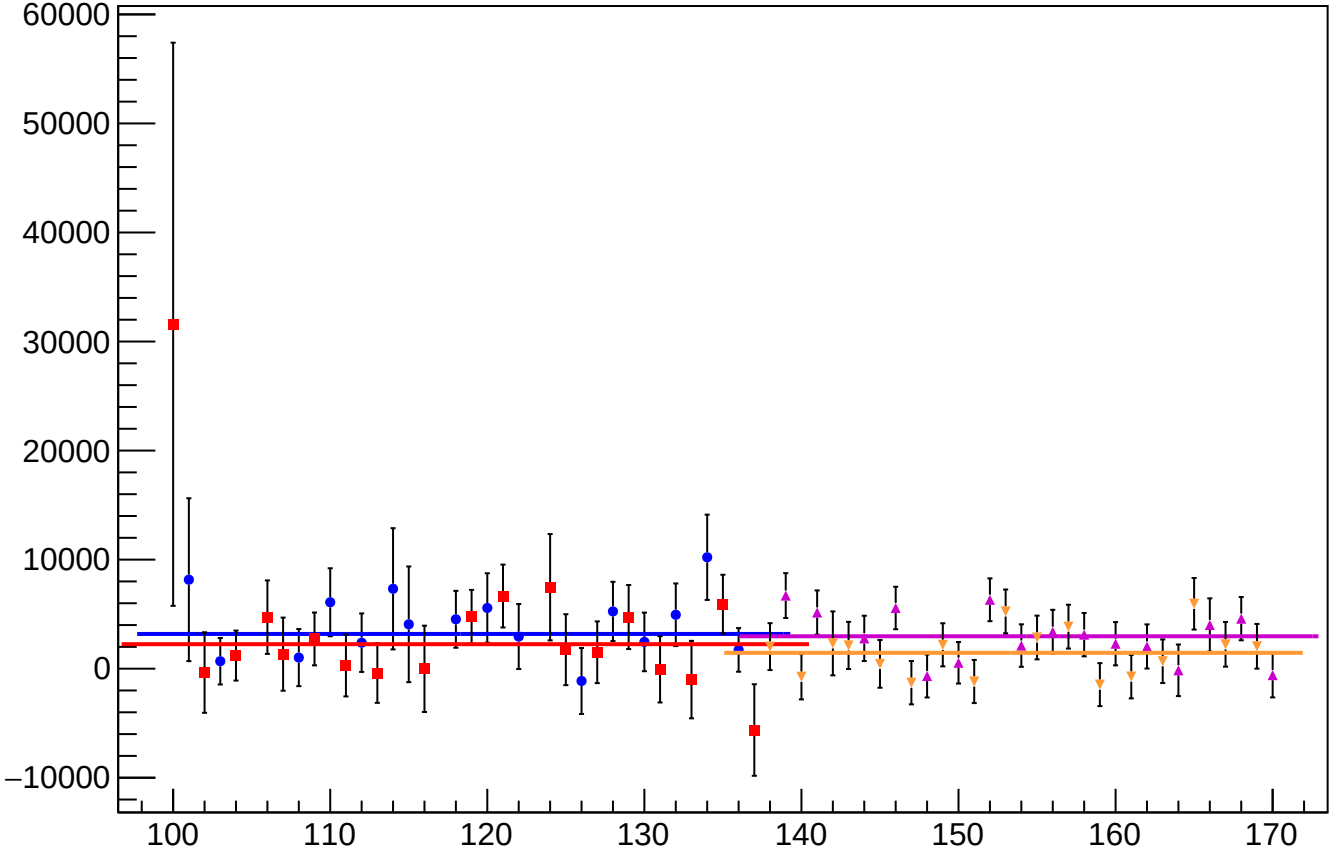
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3768844.5/31

Out: 0.000+/-0.000 χ^2/NDF:19897991.3/35

All: 0.000+/-0.000 χ^2/NDF: 37824874.5/67

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1452.658+/-505.747 χ^2/NDF:18.3/16

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2970.267+/-508.356 χ^2/NDF:20.4/15

Left: 2207.559+/-358.536 χ^2/NDF: 43.1/32

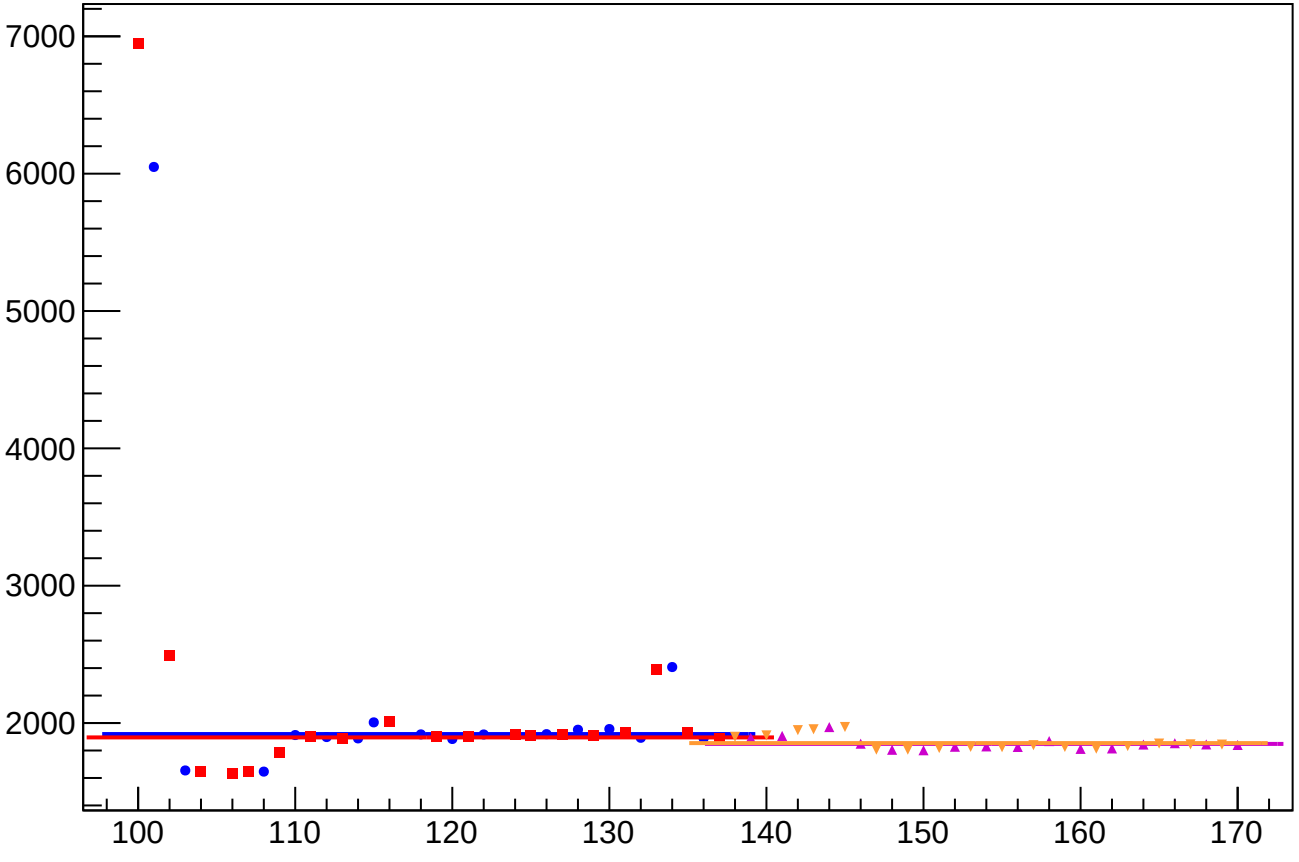
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3039.825+/-417.381 χ^2/NDF:32.1/31

Out: 1719.266+/-412.104 χ^2/NDF:35.6/35

All: 2371.144+/-293.249 χ^2/NDF: 72.8/67

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1853.894+/-0.358 χ^2/NDF:19977.3/16

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

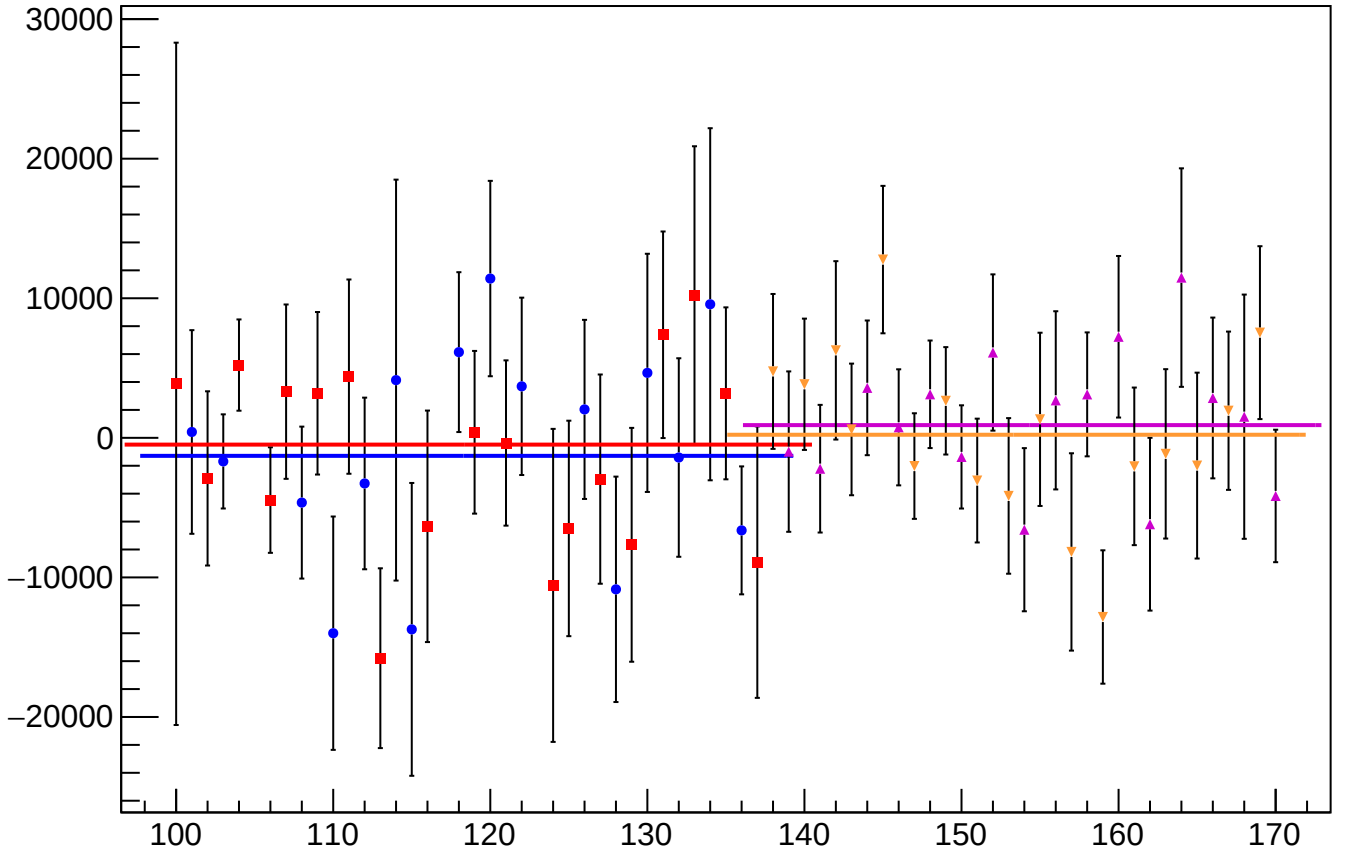
Left: 1850.956+/-0.254 χ^2/NDF: 33867.8/32

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1871.400+/-0.295 χ^2/NDF:724102.5/31

Out: 1867.892+/-0.291 χ^2/NDF:246790.2/35

All: 1869.622+/-0.207 χ^2/NDF: 970964.3/67



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 221.359+/-1258.445 χ^2/NDF:20.4/16

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 911.610+/-1274.400 χ^2/NDF:10.0/15

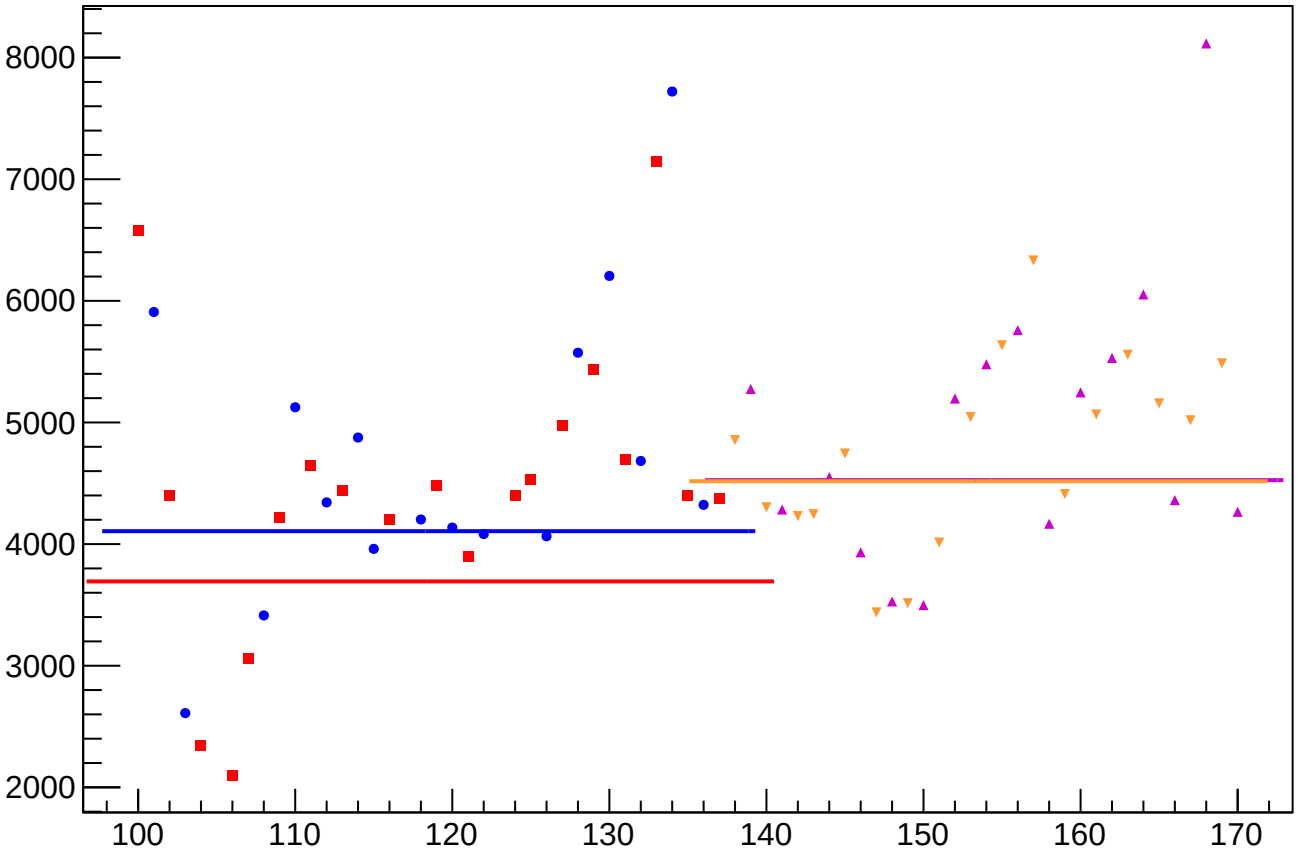
Left: 562.136+/-895.443 χ^2/NDF: 30.6/32

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 47.256+/-993.287 χ^2/NDF:25.4/31

Out: -85.214+/-946.860 χ^2/NDF:37.8/35

All: -22.147+/-685.356 χ^2/NDF: 63.3/67



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4516.757+/-0.890 χ^2/NDF:726628.5/16

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4525.994+/-0.901 χ^2/NDF:1042782.3/15

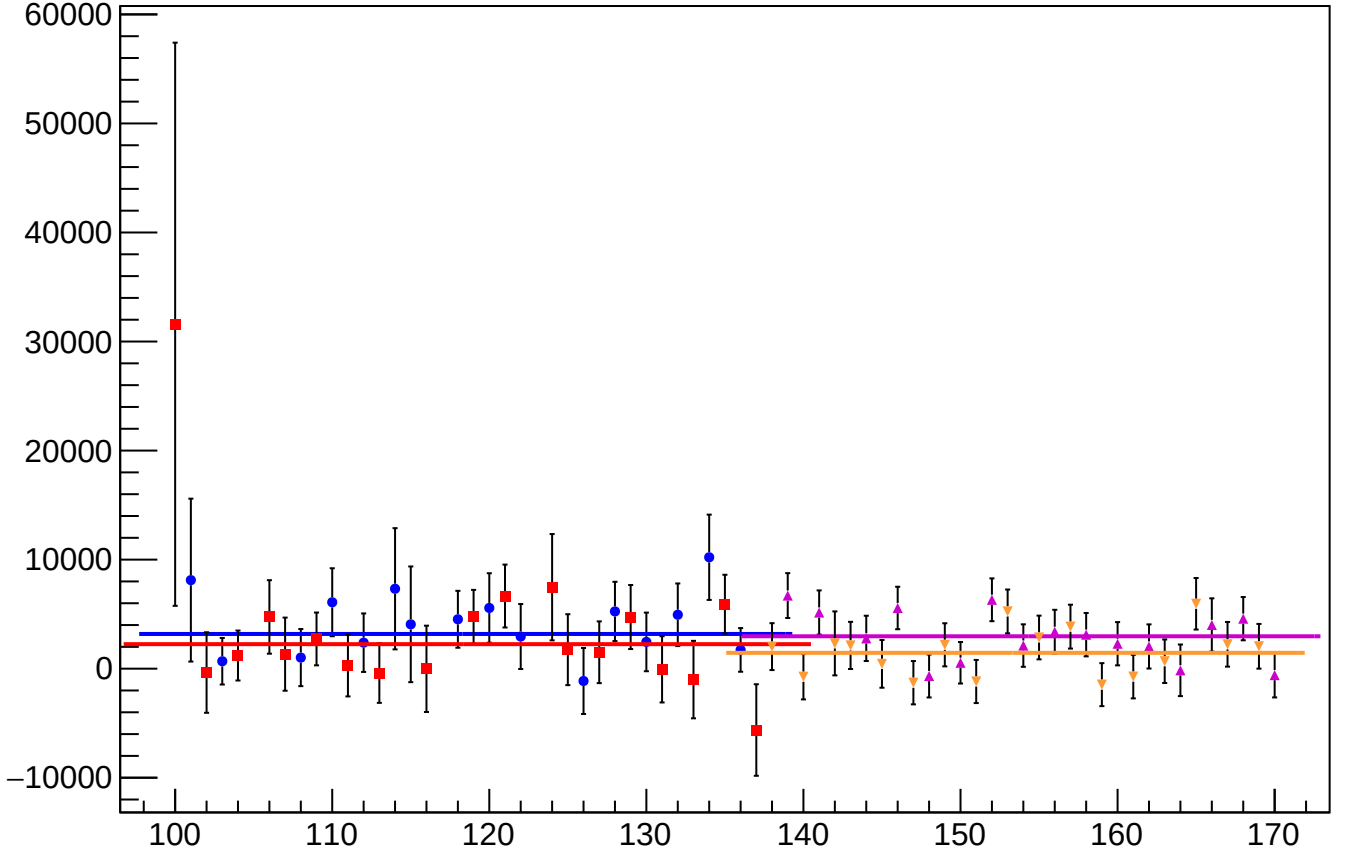
Left: 4521.317+/-0.633 χ^2/NDF: 1769464.0/32

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4361.197+/-0.702 χ^2/NDF:2084117.9/31

Out: 4159.455+/-0.670 χ^2/NDF:2454854.8/35

All: 4255.501+/-0.485 χ^2/NDF: 4582197.5/67



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1452.533+/-505.747 χ^2/NDF:18.3/16

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2970.252+/-508.356 χ^2/NDF:20.4/15

Left: 2207.488+/-358.536 χ^2/NDF: 43.1/32

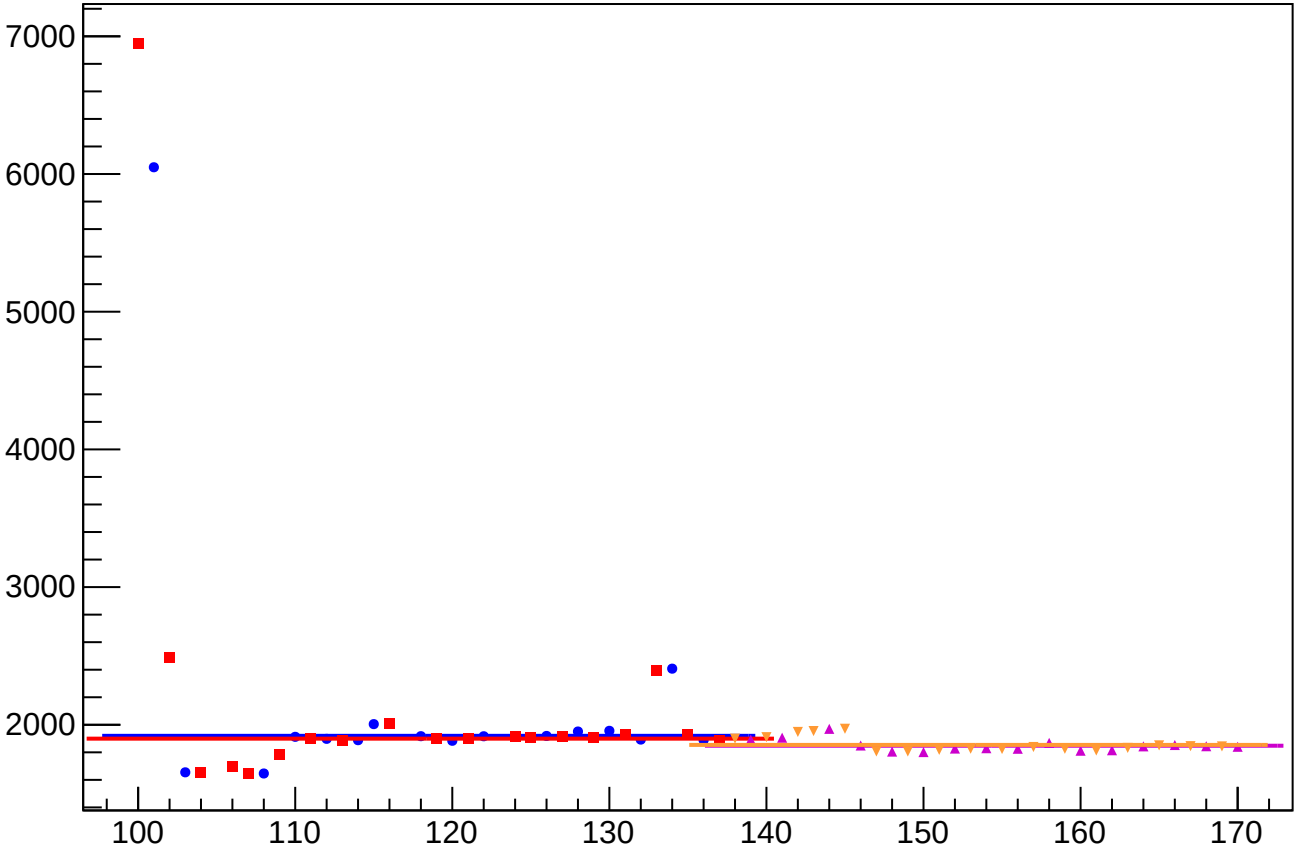
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3039.576+/-417.381 χ^2/NDF:32.1/31

Out: 1719.563+/-412.105 χ^2/NDF:35.6/35

All: 2371.173+/-293.250 χ^2/NDF: 72.8/67

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1853.894+/-0.358 χ^2/NDF:19977.3/16

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

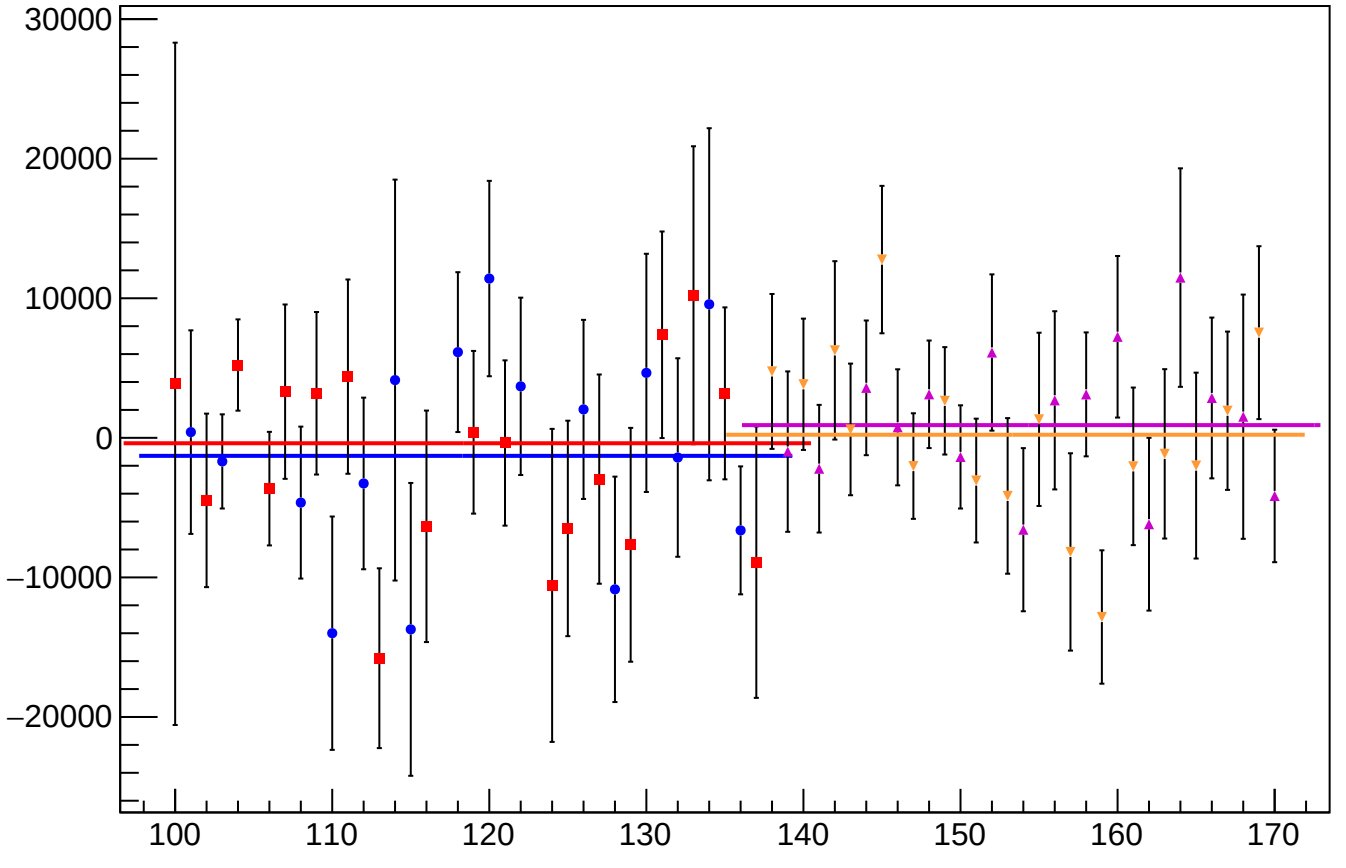
Left: 1850.956+/-0.254 χ^2/NDF: 33867.8/32

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1871.400+/-0.295 χ^2/NDF:724101.8/31

Out: 1869.205+/-0.291 χ^2/NDF:241075.2/35

All: 1870.288+/-0.207 χ^2/NDF: 965205.0/67



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 221.333+/-1258.442 χ^2/NDF:20.4/16

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 911.632+/-1274.401 χ^2/NDF:10.0/15

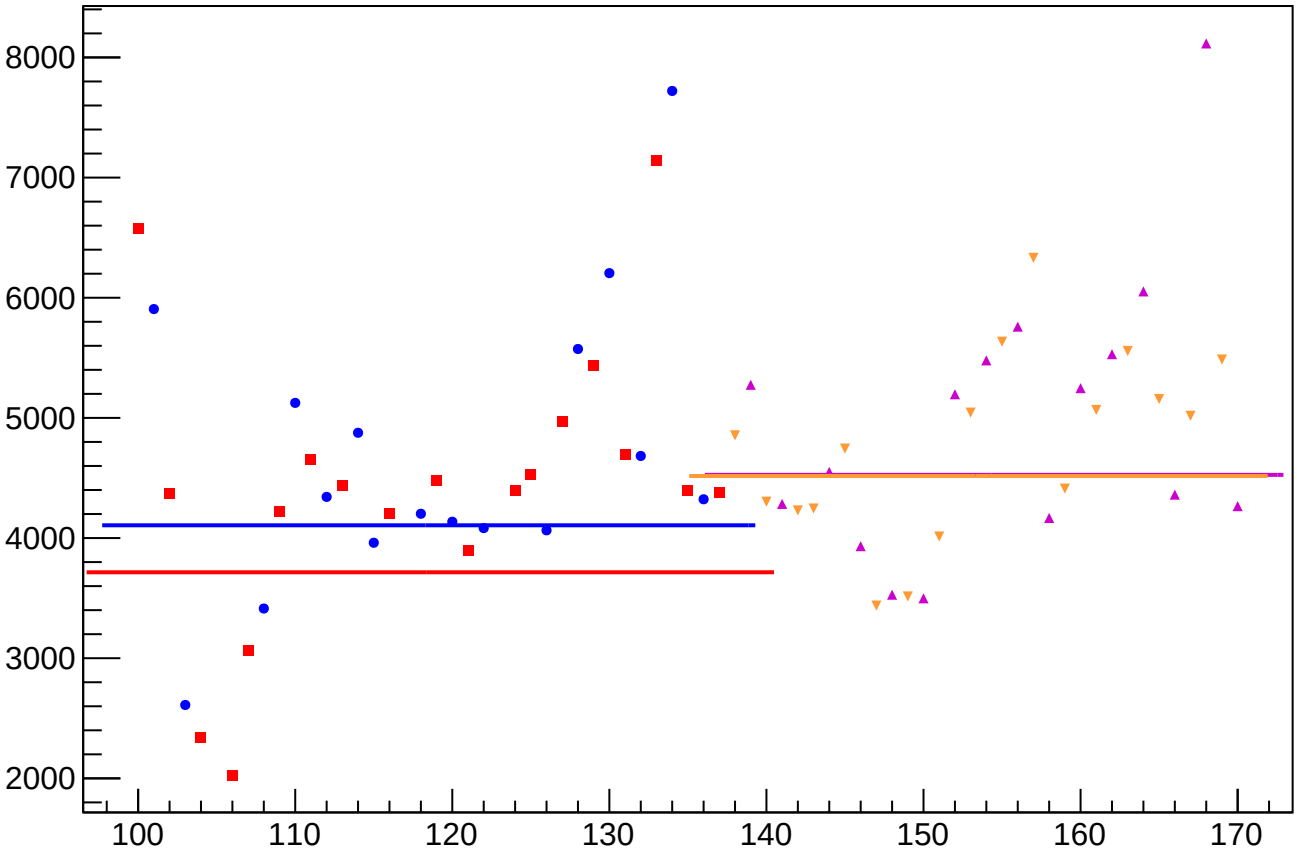
Left: 562.133+/-895.442 χ^2/NDF: 30.6/32

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 47.127+/-993.287 χ^2/NDF:25.4/31

Out: -39.977+/-950.845 χ^2/NDF:37.5/35

All: 1.674+/-686.863 χ^2/NDF: 63.0/67



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4516.745+/-0.890 χ^2/NDF:726643.0/16

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4525.995+/-0.901 χ^2/NDF:1042776.1/15

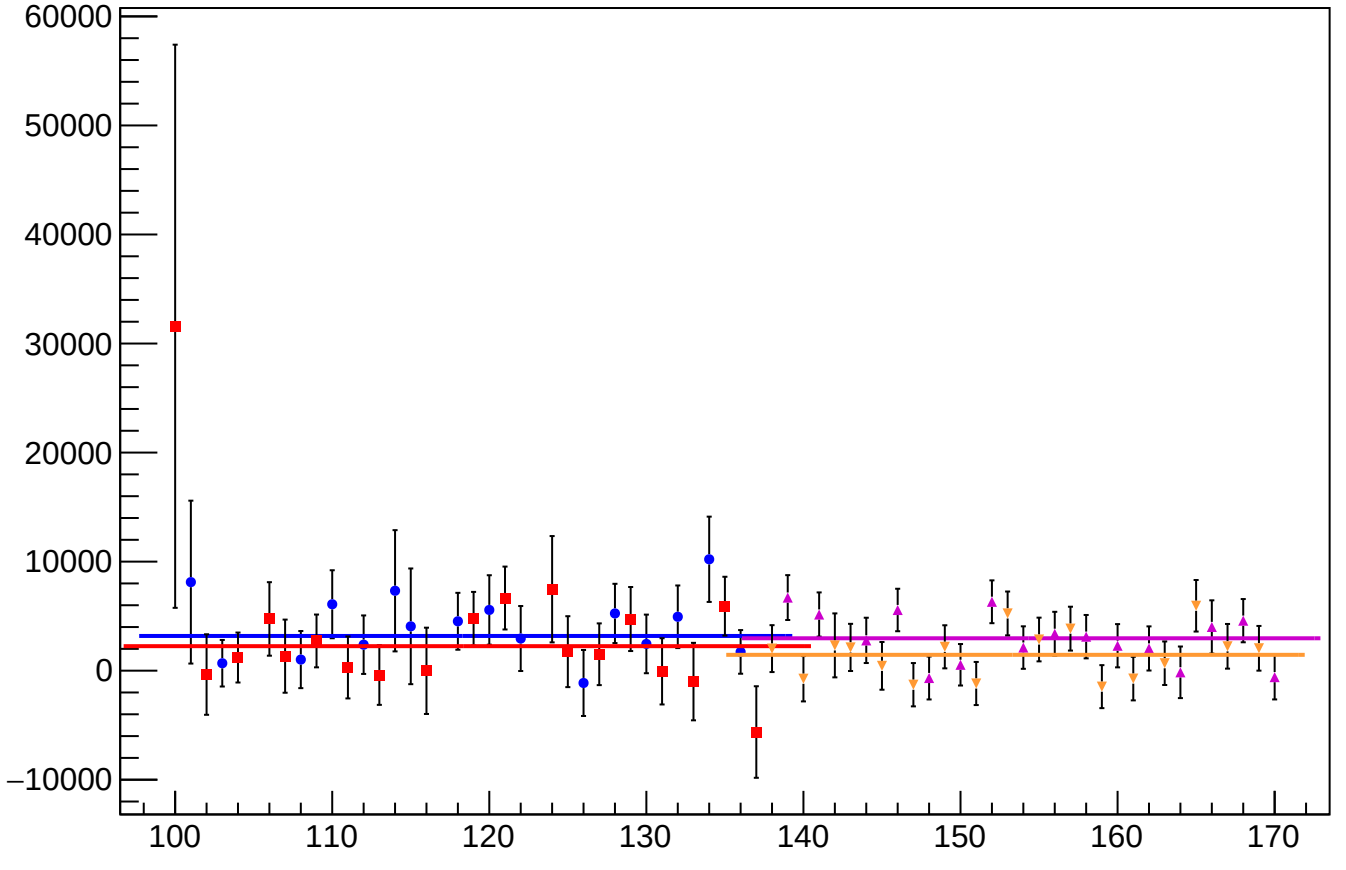
Left: 4521.312+/-0.633 χ^2/NDF: 1769472.5/32

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4361.234+/-0.702 χ^2/NDF:2083575.1/31

Out: 4172.796+/-0.672 χ^2/NDF:2409907.8/35

All: 4262.903+/-0.486 χ^2/NDF: 4531044.0/67



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1452.533+/-505.747 χ^2/NDF:18.3/16

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2970.252+/-508.356 χ^2/NDF:20.4/15

Left: 2207.488+/-358.536 χ^2/NDF: 43.1/32

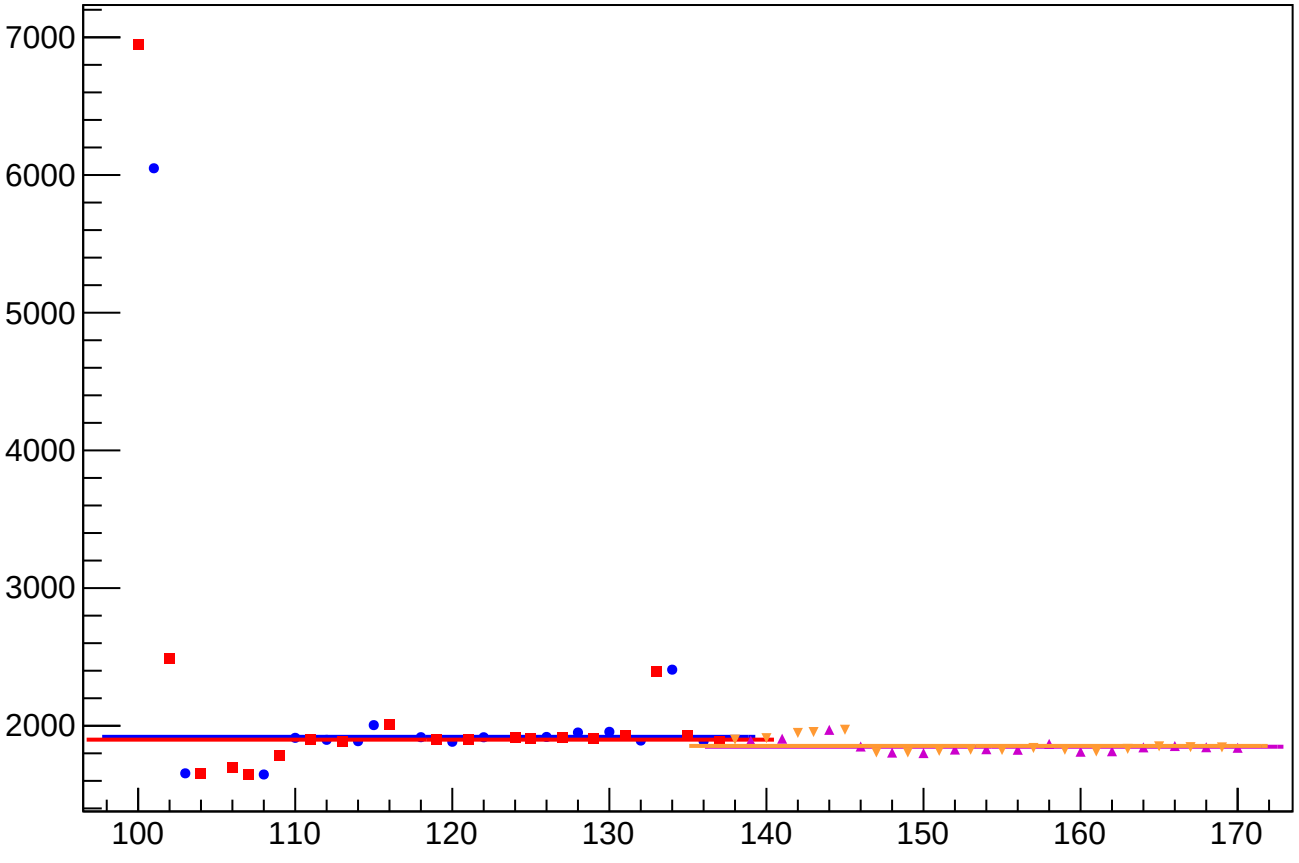
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3039.576+/-417.381 χ^2/NDF:32.1/31

Out: 1719.563+/-412.105 χ^2/NDF:35.6/35

All: 2371.173+/-293.250 χ^2/NDF: 72.8/67

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1853.894+/-0.358 χ^2/NDF:19977.3/16

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

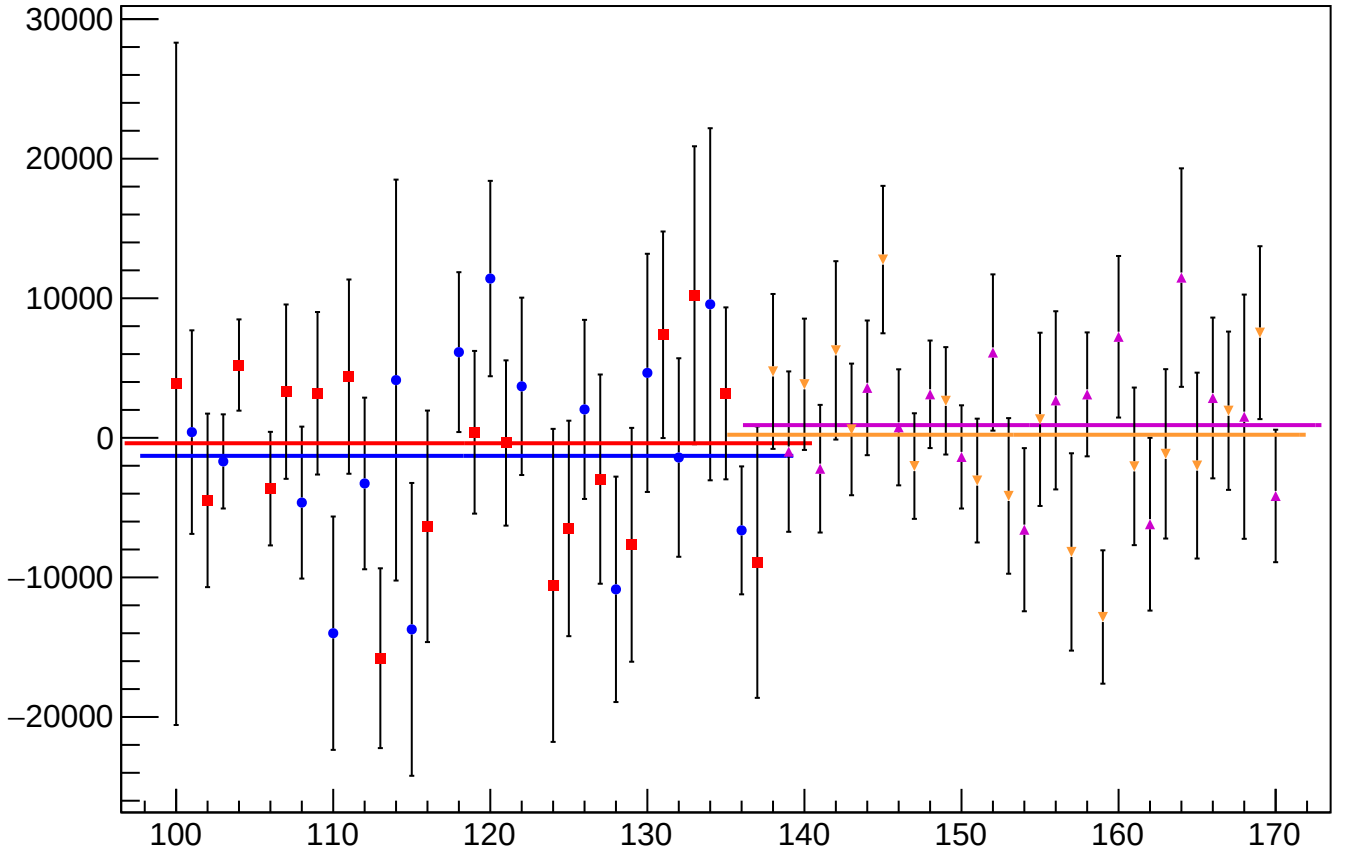
Left: 1850.956+/-0.254 χ^2/NDF: 33867.8/32

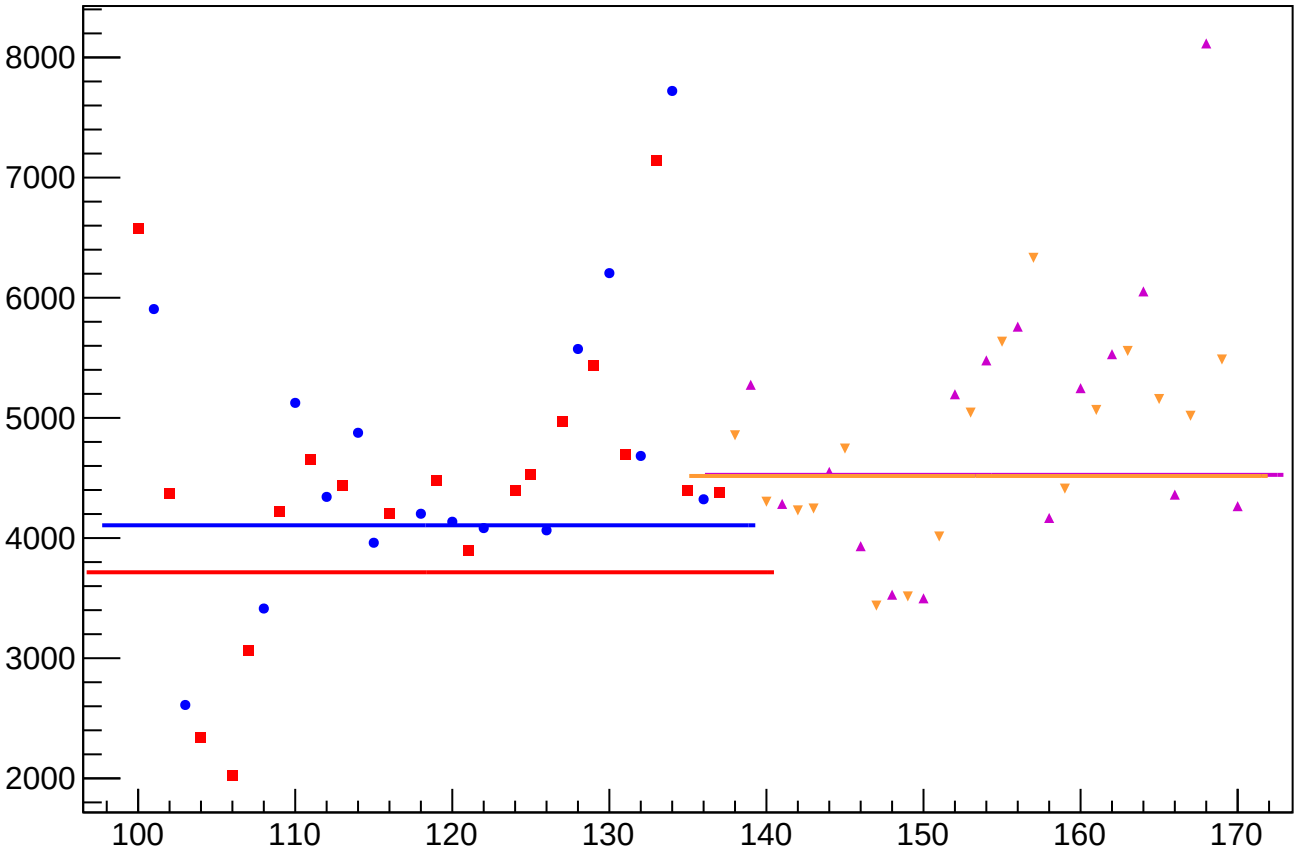
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1871.400+/-0.295 χ^2/NDF:724101.8/31

Out: 1869.205+/-0.291 χ^2/NDF:241075.2/35

All: 1870.288+/-0.207 χ^2/NDF: 965205.0/67


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 221.333+/-1258.442 χ²/NDF:20.4/16
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 911.632+/-1274.401 χ²/NDF:10.0/15
Left: 562.133+/-895.442 χ²/NDF: 30.6/32
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 47.127+/-993.287 χ²/NDF:25.4/31
Out: -39.977+/-950.845 χ²/NDF:37.5/35
All: 1.674+/-686.863 χ²/NDF: 63.0/67



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4516.745+/-0.890 χ^2/NDF:726643.0/16

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4525.995+/-0.901 χ^2/NDF:1042776.1/15

Left: 4521.312+/-0.633 χ^2/NDF: 1769472.5/32

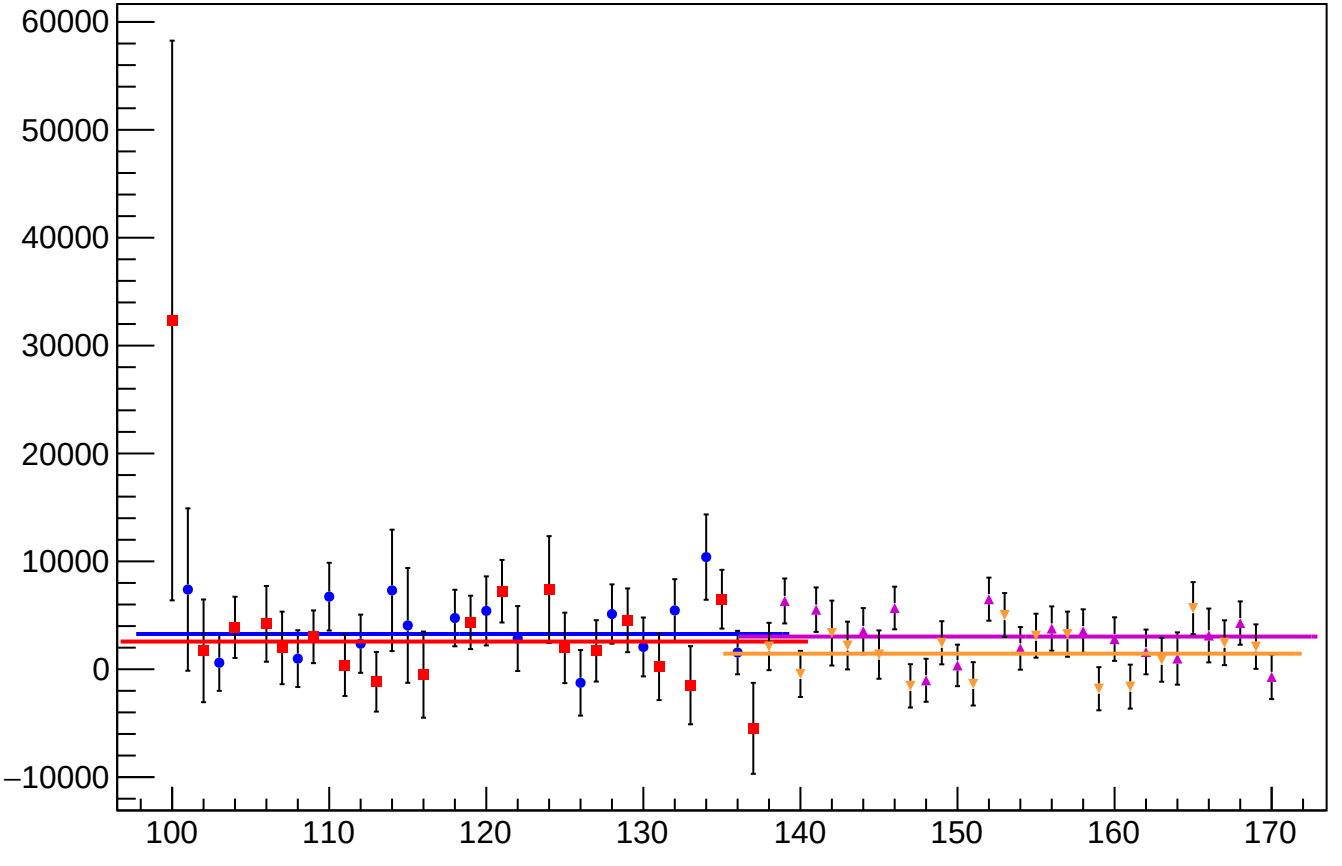
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4361.234+/-0.702 χ^2/NDF:2083575.1/31

Out: 4172.796+/-0.672 χ^2/NDF:2409907.8/35

All: 4262.903+/-0.486 χ^2/NDF: 4531044.0/67

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1444.217+/-515.110 χ^2/NDF:18.7/16

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3027.881+/-516.766 χ^2/NDF:20.3/15

Left: 2233.507+/-364.822 χ^2/NDF: 43.7/32

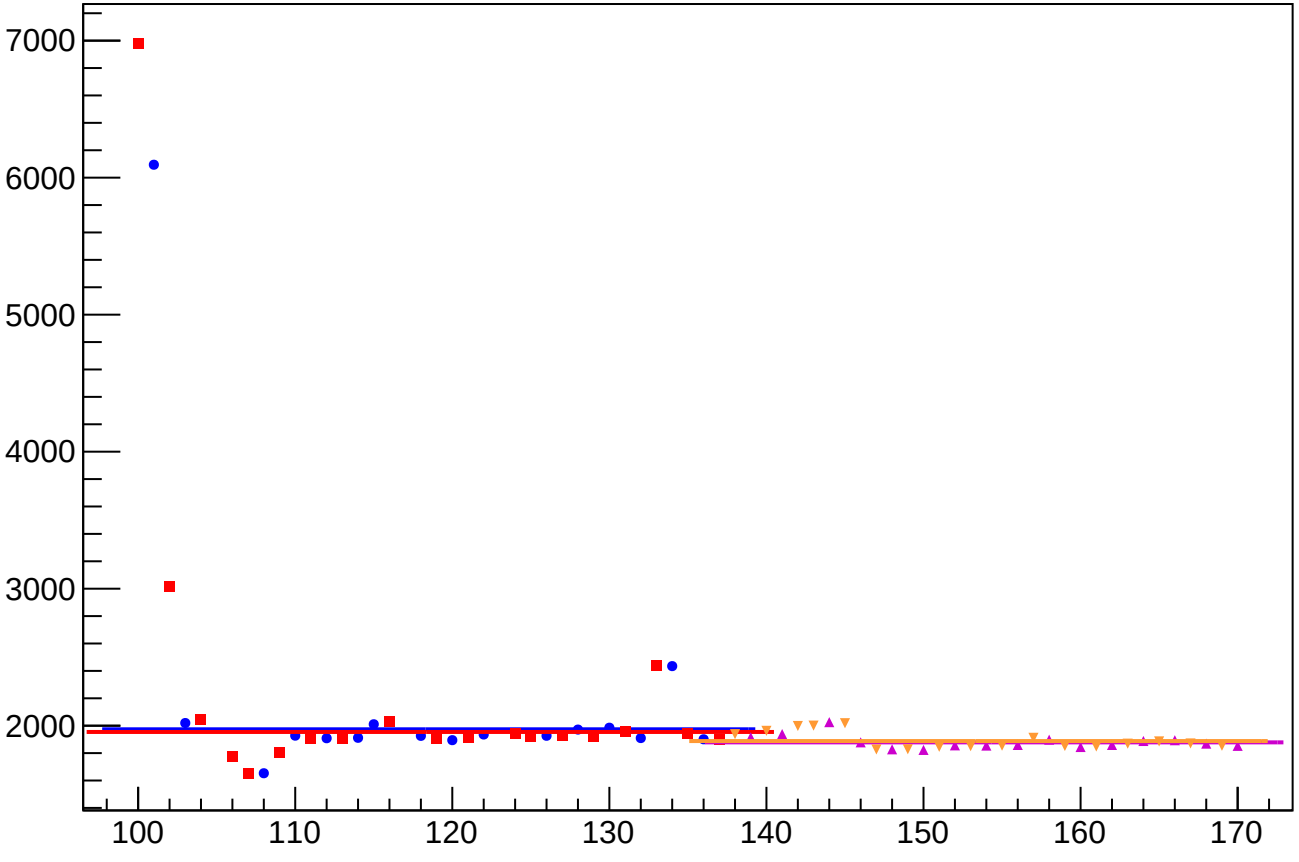
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3103.979+/-425.692 χ^2/NDF:32.5/31

Out: 1814.021+/-421.806 χ^2/NDF:37.3/35

All: 2453.085+/-299.626 χ^2/NDF: 74.4/67

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.905+/-0.364 χ^2/NDF:26381.3/16

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1878.392+/-0.365 χ^2/NDF:16918.1/15

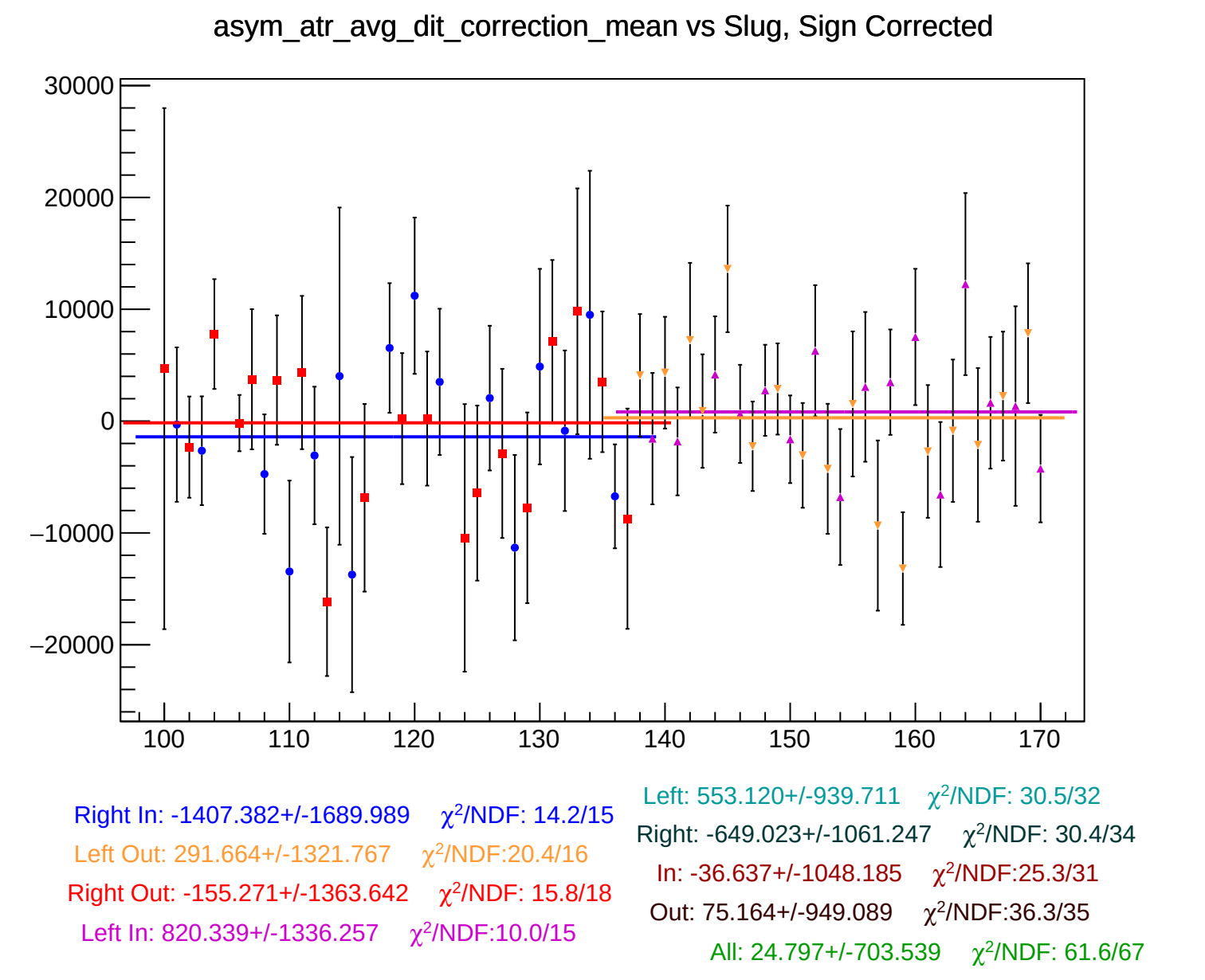
Left: 1883.164+/-0.258 χ^2/NDF: 43639.4/32

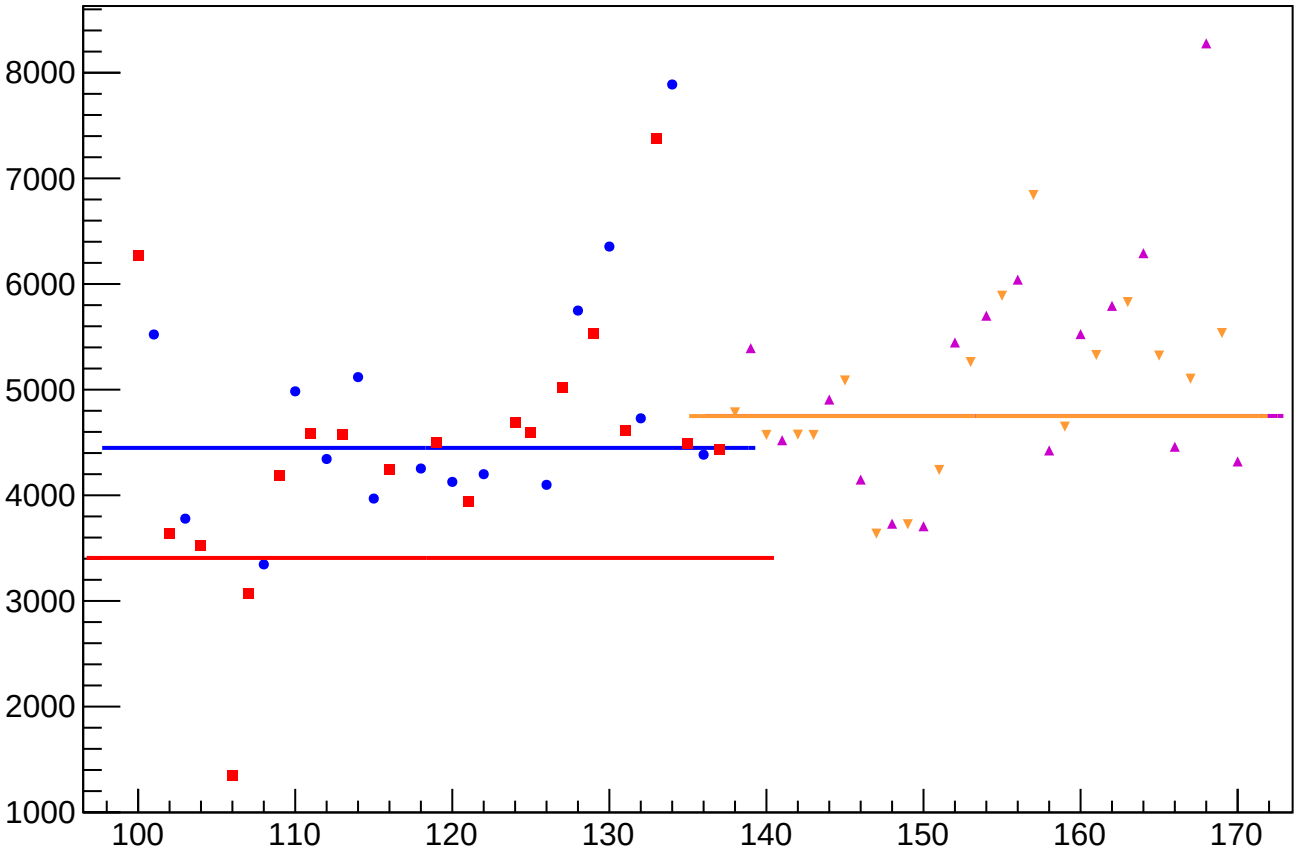
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1909.041+/-0.301 χ^2/NDF:703930.4/31

Out: 1909.818+/-0.298 χ^2/NDF:283565.4/35

All: 1909.433+/-0.212 χ^2/NDF: 987499.2/67


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: 291.664+/-1321.767 χ²/NDF:20.4/16
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 820.339+/-1336.257 χ²/NDF:10.0/15
Left: 553.120+/-939.711 χ²/NDF: 30.5/32
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -36.637+/-1048.185 χ²/NDF:25.3/31
Out: 75.164+/-949.089 χ²/NDF:36.3/35
All: 24.797+/-703.539 χ²/NDF: 61.6/67



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4749.944+/-0.935 χ^2/NDF:676585.3/16

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4751.021+/-0.945 χ^2/NDF:984855.8/15

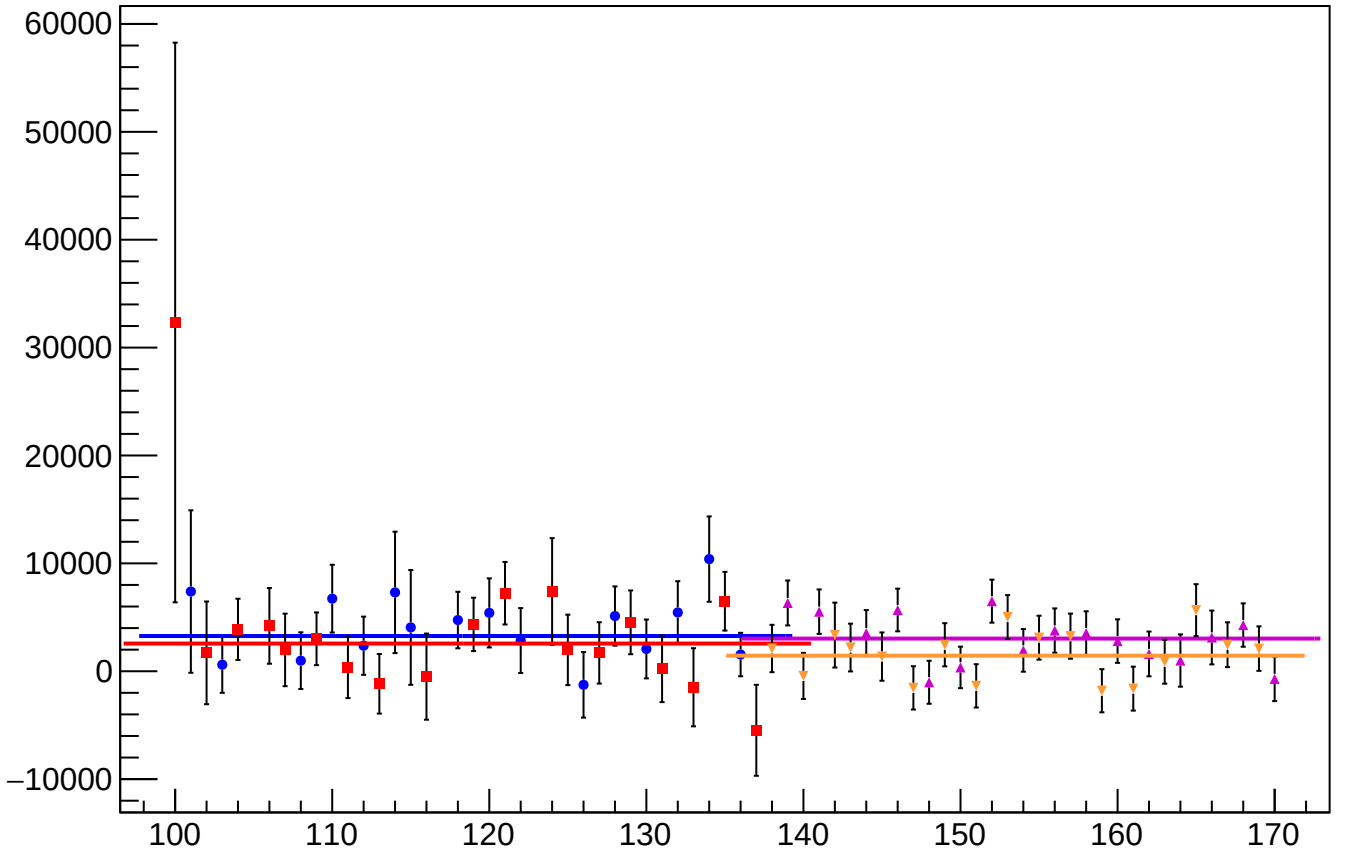
Left: 4750.477+/-0.664 χ^2/NDF: 1661441.7/32

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4634.726+/-0.741 χ^2/NDF:1518848.3/31

Out: 4099.470+/-0.671 χ^2/NDF:4002568.0/35

All: 4340.606+/-0.497 χ^2/NDF: 5807992.8/67



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1444.209+/-515.110 χ^2/NDF:18.7/16

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3027.884+/-516.766 χ^2/NDF:20.3/15

Left: 2233.504+/-364.822 χ^2/NDF: 43.7/32

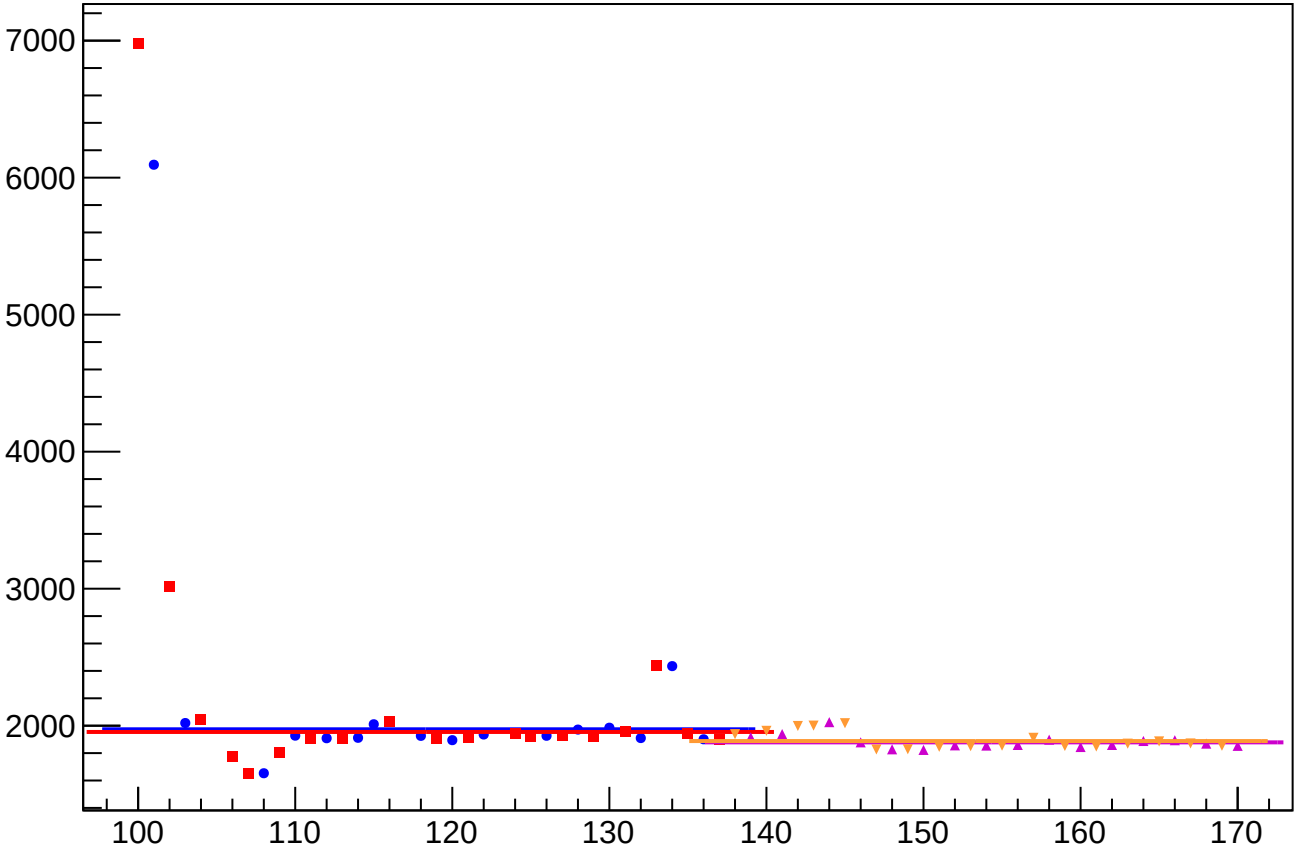
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3103.982+/-425.692 χ^2/NDF:32.5/31

Out: 1814.018+/-421.806 χ^2/NDF:37.3/35

All: 2453.086+/-299.627 χ^2/NDF: 74.4/67

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1887.906+/-0.364 χ^2/NDF:26381.4/16

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1878.393+/-0.365 χ^2/NDF:16918.1/15

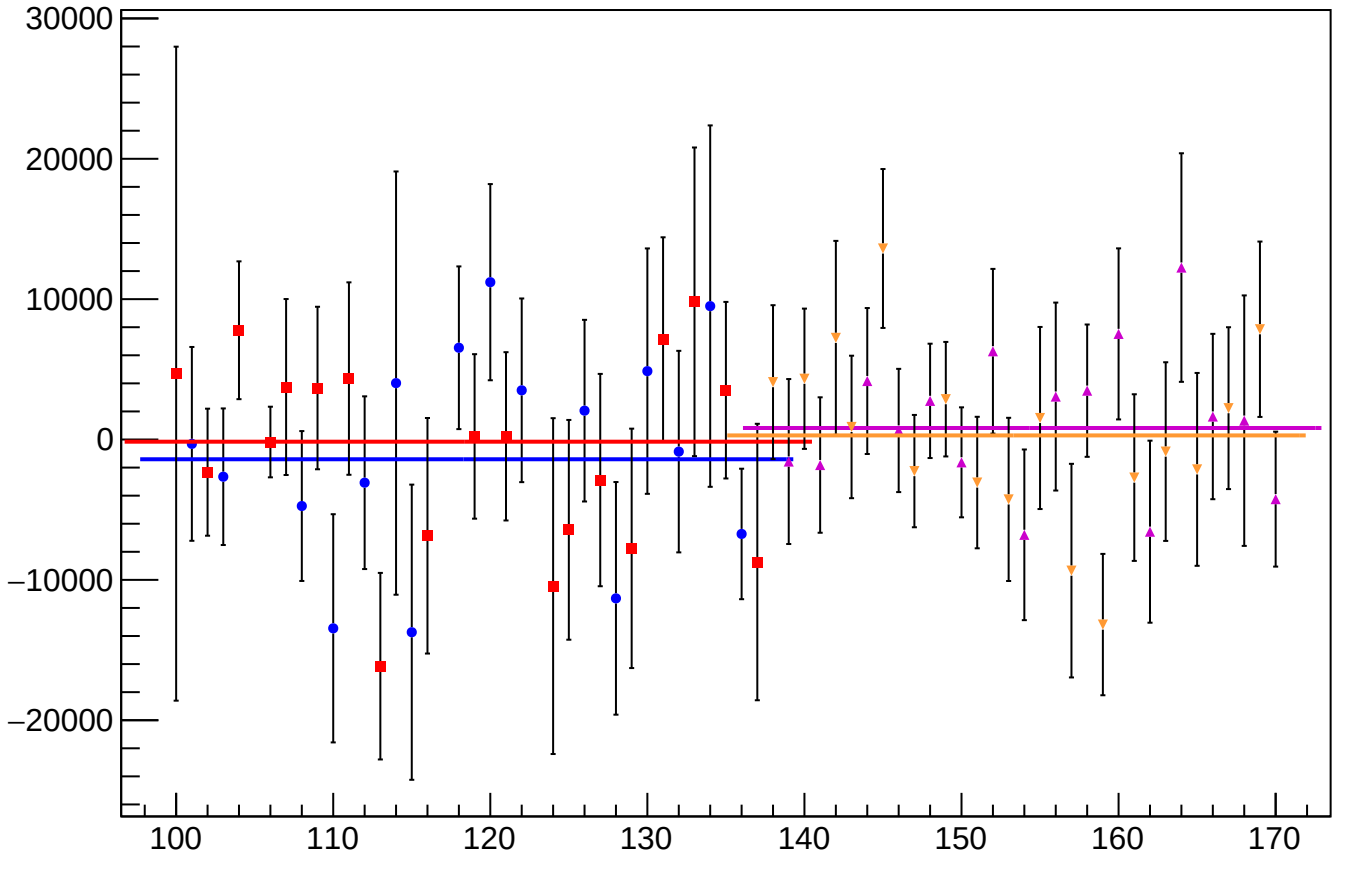
Left: 1883.165+/-0.258 χ^2/NDF: 43639.5/32

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1909.042+/-0.301 χ^2/NDF:703929.8/31

Out: 1909.818+/-0.298 χ^2/NDF:283564.6/35

All: 1909.434+/-0.212 χ^2/NDF: 987497.8/67



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 291.660+/-1321.769 χ^2/NDF:20.4/16

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 820.337+/-1336.258 χ^2/NDF:10.0/15

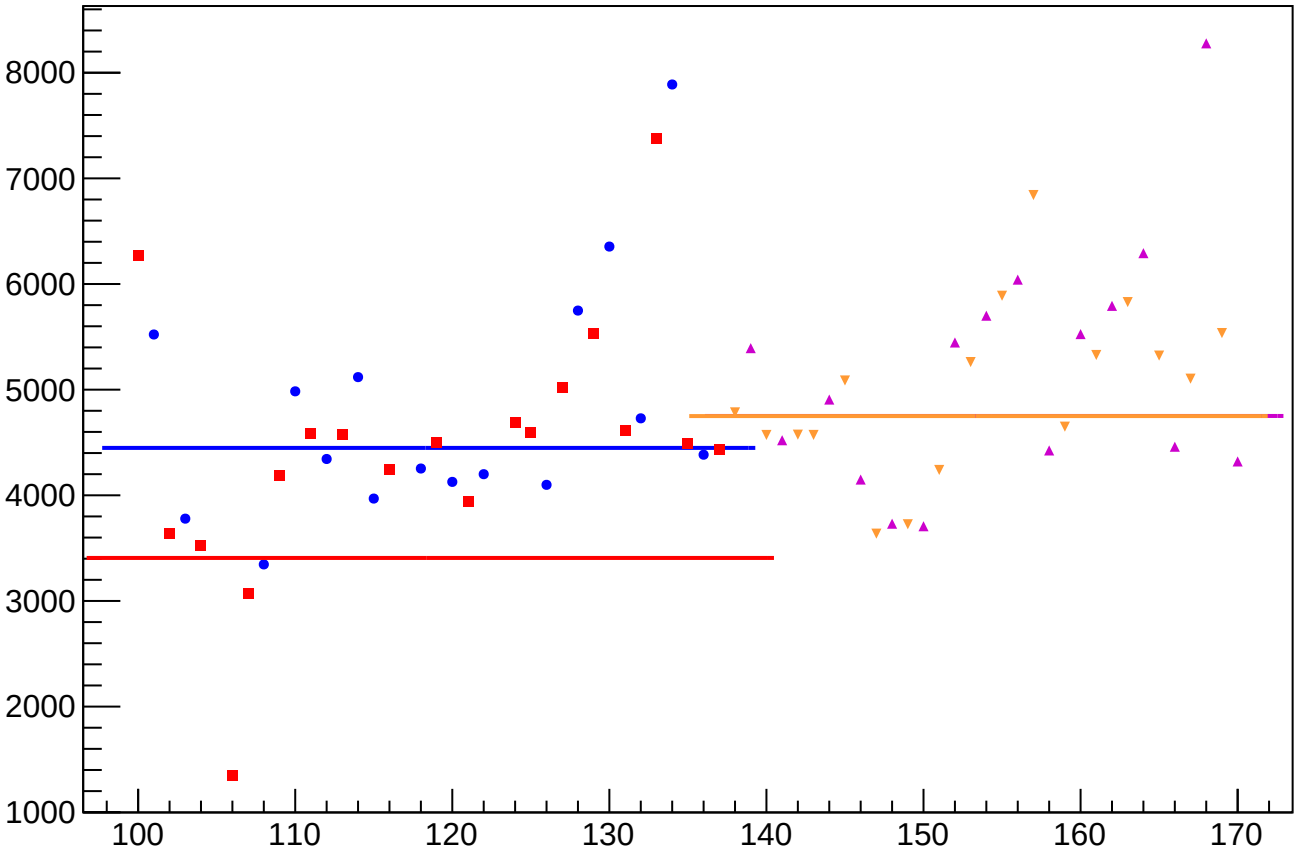
Left: 553.117+/-939.713 χ^2/NDF: 30.5/32

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -36.634+/-1048.185 χ^2/NDF:25.3/31

Out: 75.161+/-949.089 χ^2/NDF:36.3/35

All: 24.796+/-703.539 χ^2/NDF: 61.6/67



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4749.951+/-0.935 χ^2/NDF:676585.3/16

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4751.028+/-0.945 χ^2/NDF:984856.0/15

Left: 4750.484+/-0.664 χ^2/NDF: 1661441.9/32

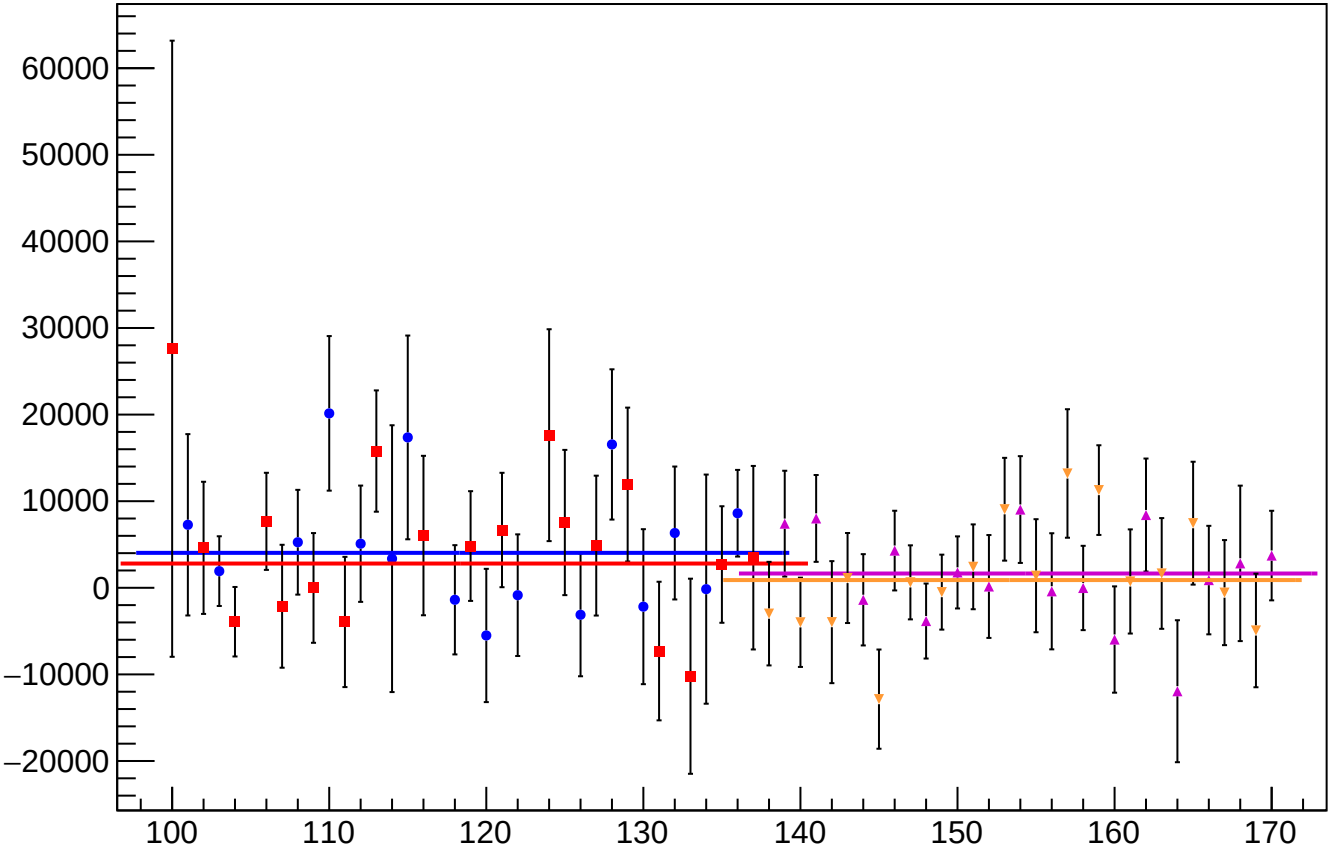
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4634.727+/-0.741 χ^2/NDF:1518849.3/31

Out: 4099.467+/-0.671 χ^2/NDF:4002595.8/35

All: 4340.605+/-0.497 χ^2/NDF: 5808025.6/67

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 892.004+/-1370.027 χ^2/NDF:18.2/16

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1649.874+/-1386.416 χ^2/NDF:12.0/15

Left: 1266.433+/-974.498 χ^2/NDF: 30.3/32

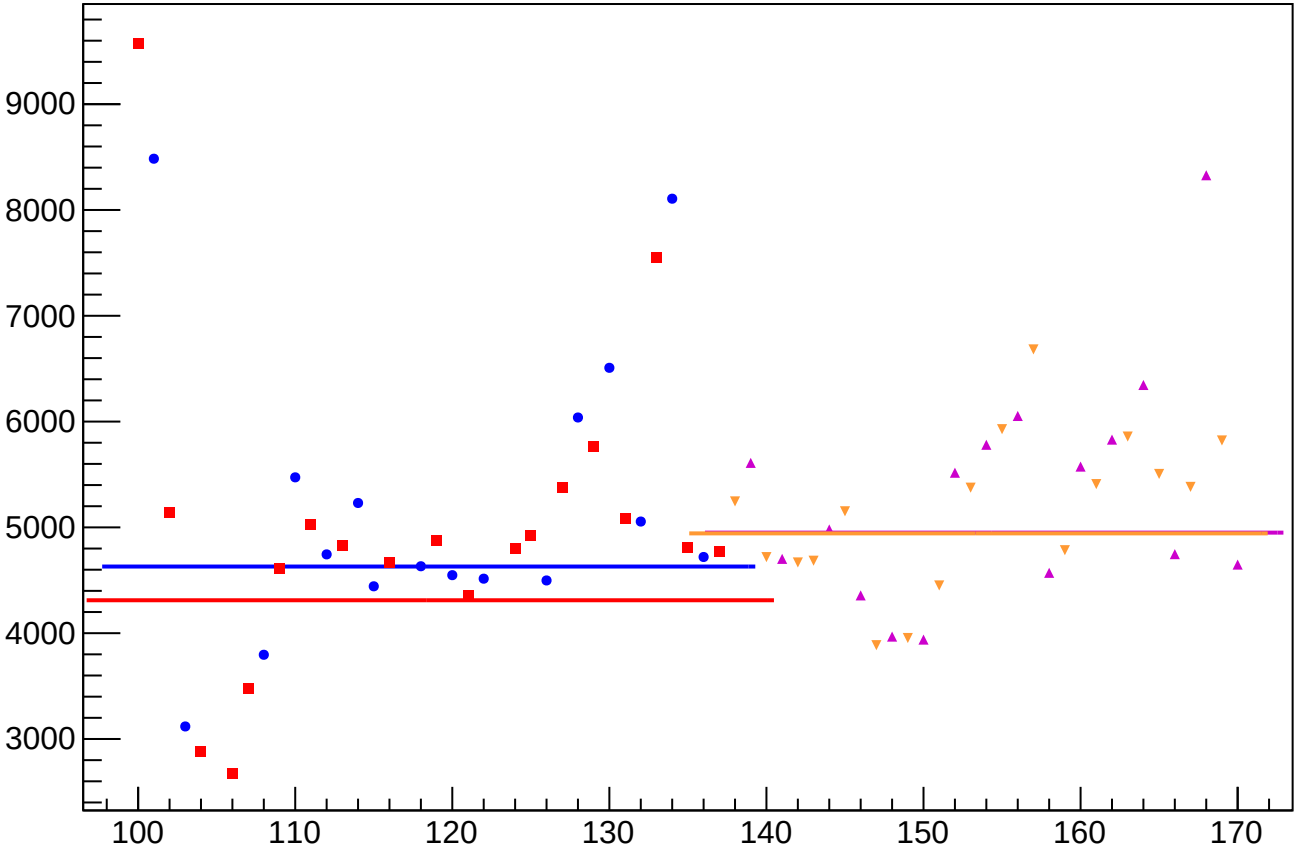
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2549.039+/-1094.254 χ^2/NDF:25.5/31

Out: 1658.736+/-1059.681 χ^2/NDF:34.4/35

All: 2089.601+/-761.237 χ^2/NDF: 60.2/67

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4943.278+/-0.969 χ^2/NDF:546040.8/16

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4950.421+/-0.980 χ^2/NDF:810481.9/15

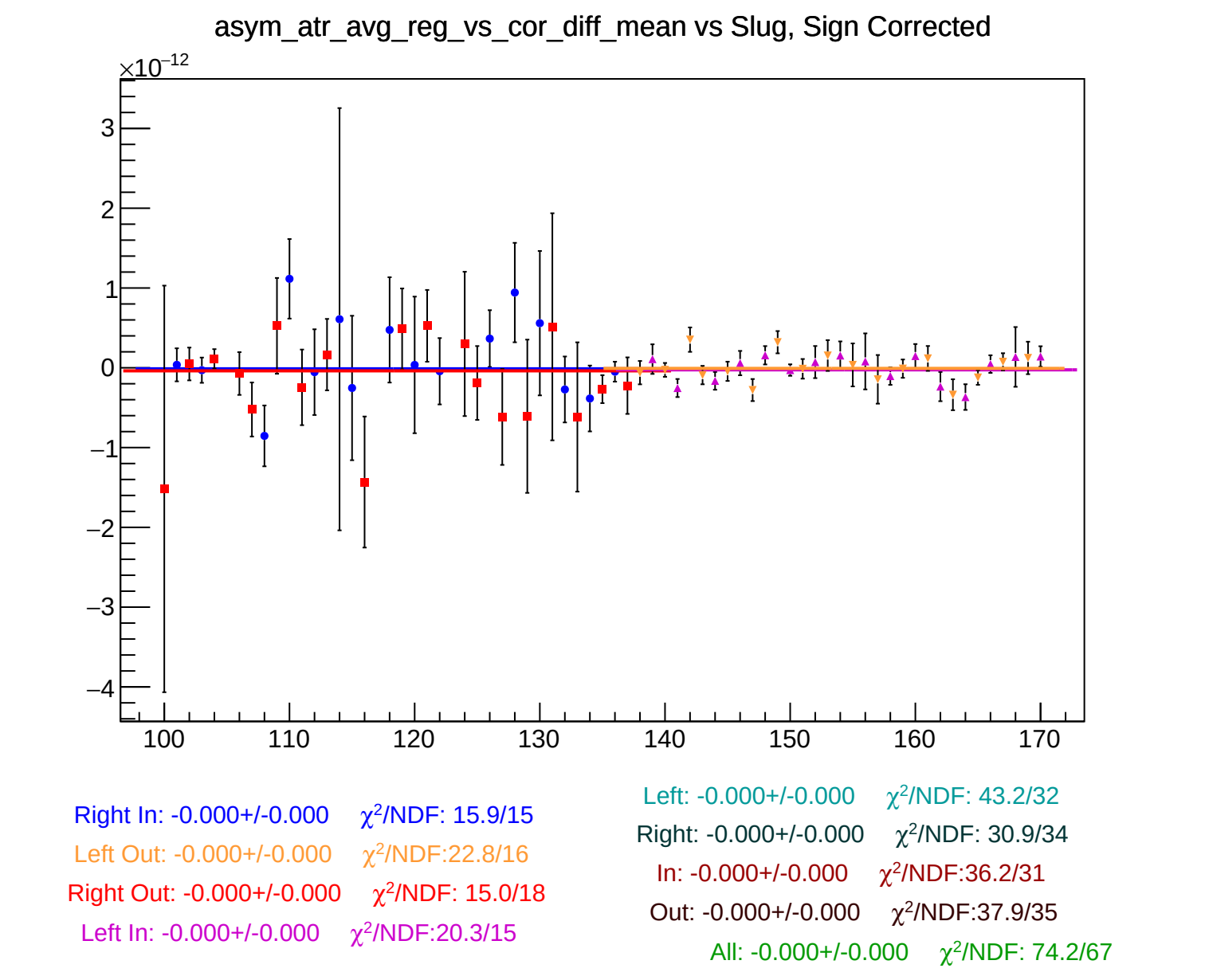
Left: 4946.807+/-0.689 χ^2/NDF: 1356549.6/32

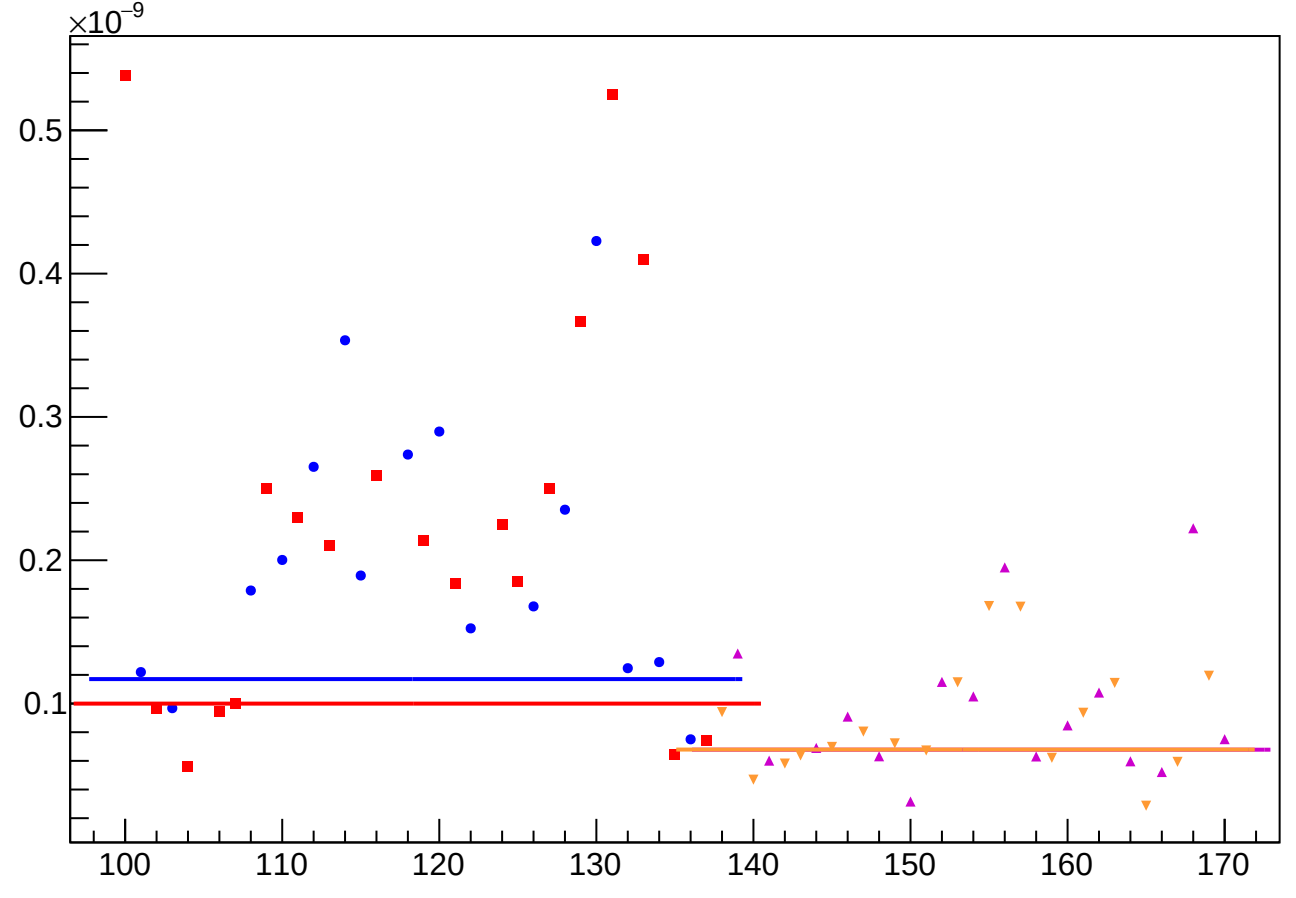
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4829.592+/-0.774 χ^2/NDF:1751016.7/31

Out: 4686.712+/-0.747 χ^2/NDF:1623572.6/35

All: 4755.609+/-0.537 χ^2/NDF: 3392245.7/67


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:22.8/16
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:20.3/15
Left: -0.000+/-0.000 χ²/NDF: 43.2/32
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:36.2/31
Out: -0.000+/-0.000 χ²/NDF:37.9/35
All: -0.000+/-0.000 χ²/NDF: 74.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505256.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1804325.1/15

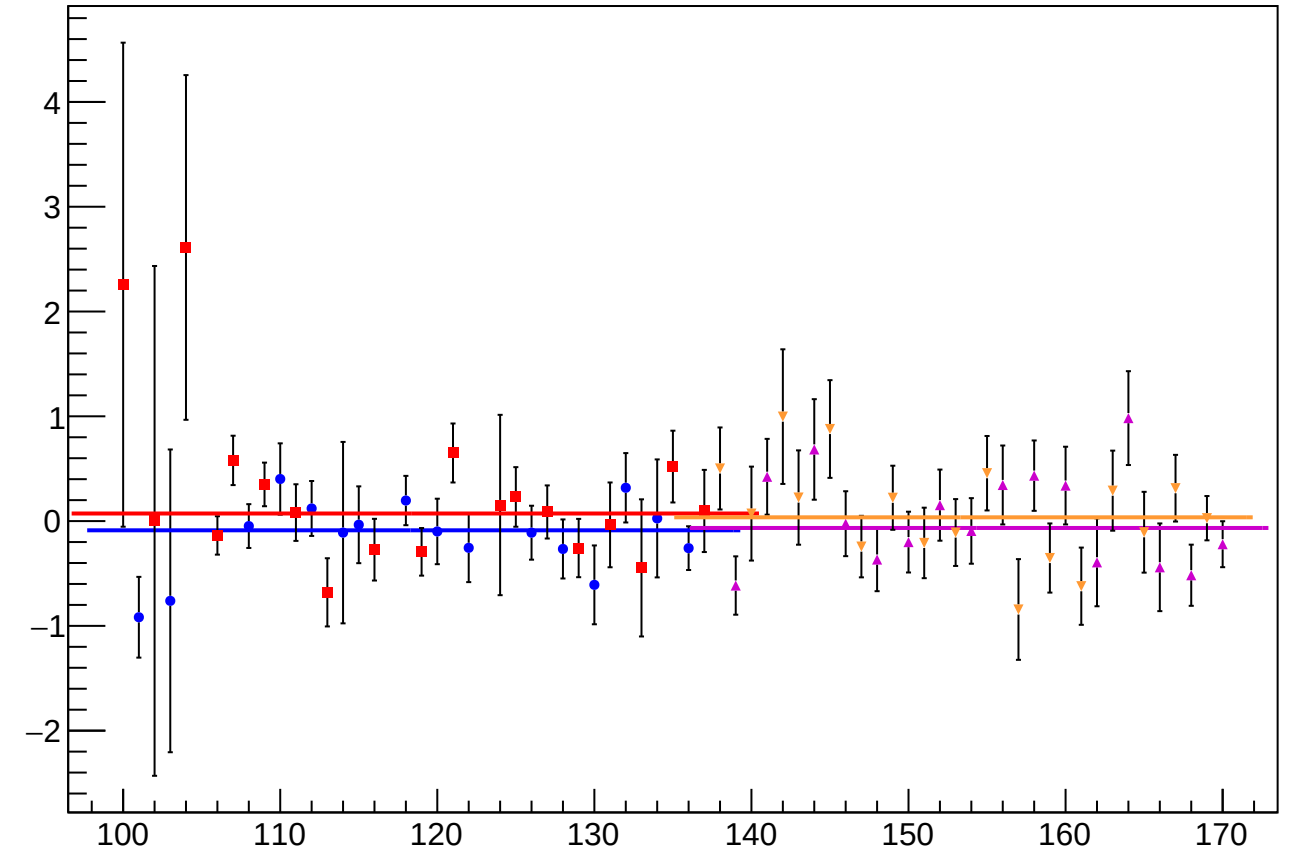
Left: 0.000+/-0.000 χ^2/NDF: 3309590.2/32

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3619806.9/31

Out: 0.000+/-0.000 χ^2/NDF:3674644.9/35

All: 0.000+/-0.000 χ^2/NDF: 7302087.0/67



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.036+/-0.085 χ^2/NDF:19.8/16

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.066+/-0.082 χ^2/NDF:24.2/15

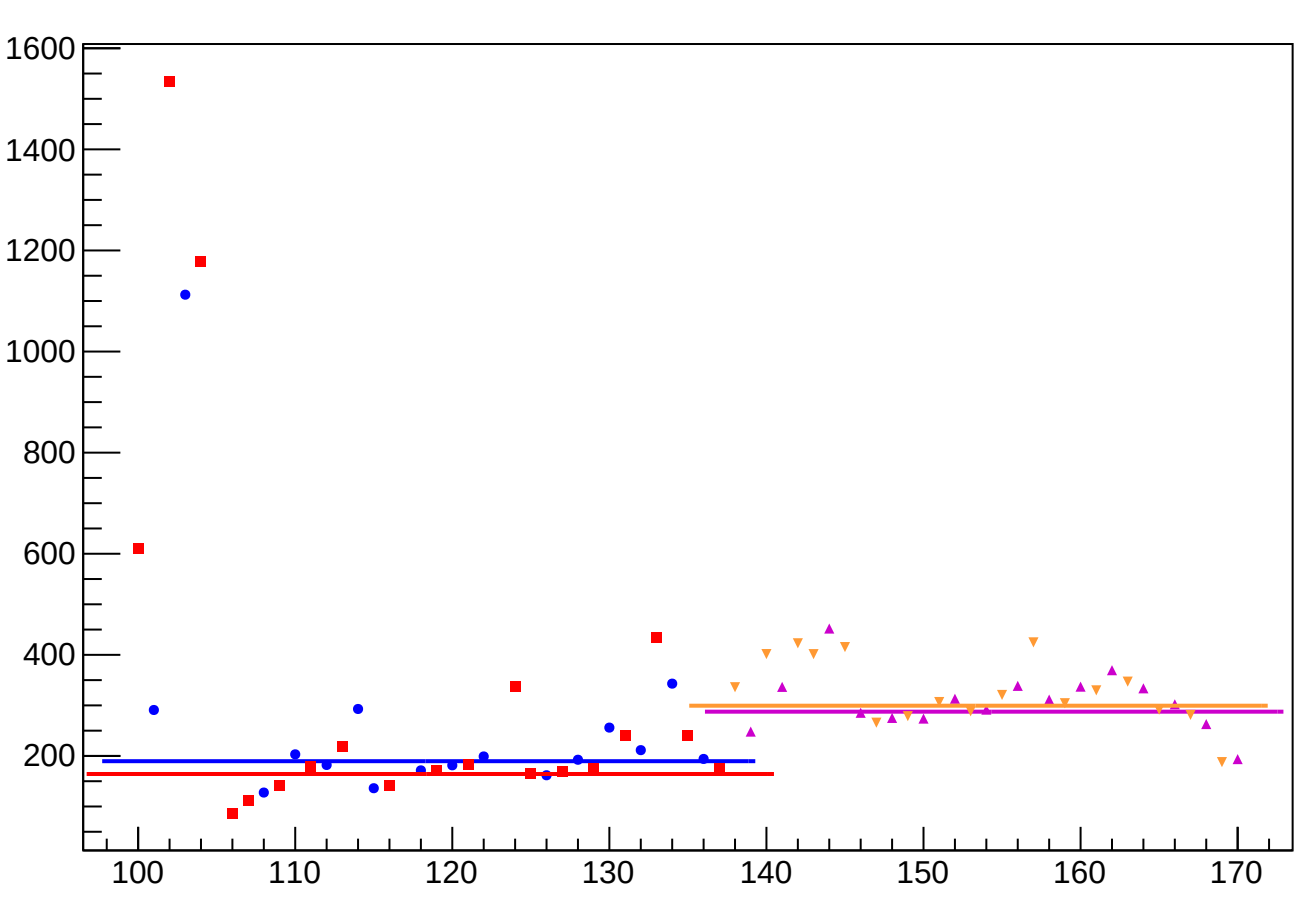
Left: -0.017+/-0.059 χ^2/NDF: 44.7/32

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.058+/-0.054 χ^2/NDF:48.5/35

All: -0.007+/-0.039 χ^2/NDF: 89.7/67



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 299.402+/-0.060 χ^2/NDF:1213125.1/16

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 287.574+/-0.058 χ^2/NDF:894687.3/15

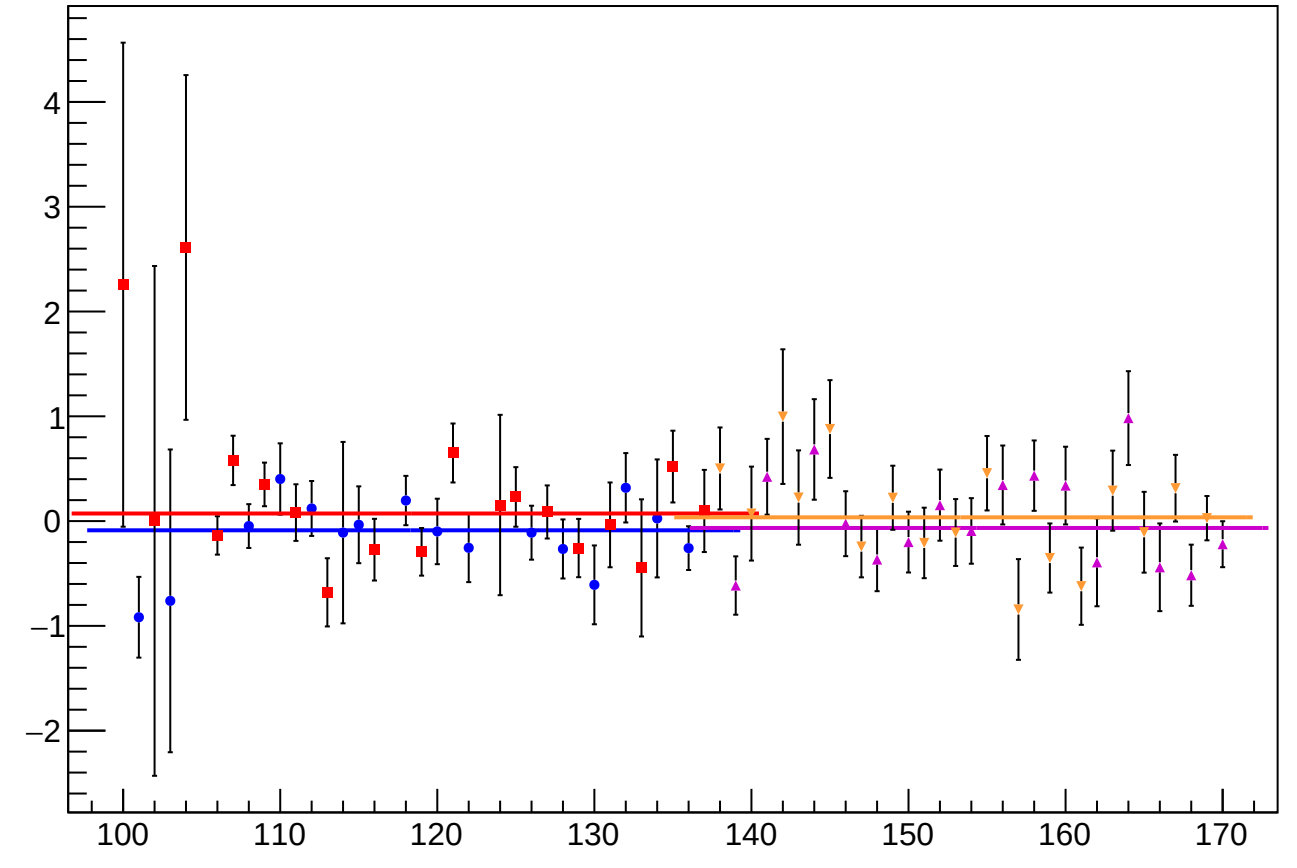
Left: 293.280+/-0.042 χ^2/NDF: 2127946.3/32

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 235.448+/-0.040 χ^2/NDF:3883172.1/31

Out: 219.054+/-0.038 χ^2/NDF:6875744.4/35

All: 226.951+/-0.027 χ^2/NDF: 10847749.3/67



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.036+/-0.085 χ^2/NDF:19.8/16

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.066+/-0.082 χ^2/NDF:24.2/15

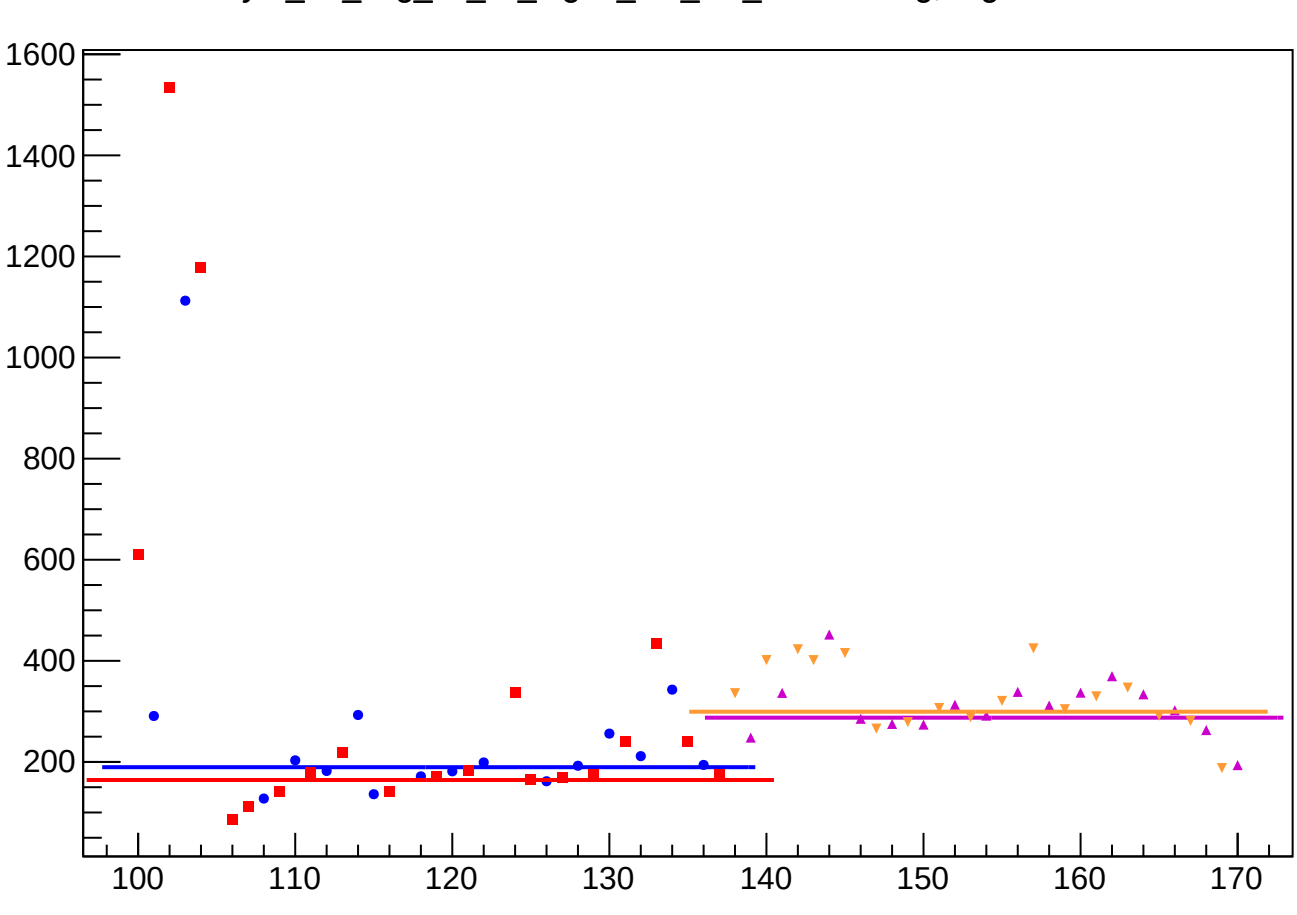
Left: -0.017+/-0.059 χ^2/NDF: 44.7/32

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.058+/-0.054 χ^2/NDF:48.5/35

All: -0.007+/-0.039 χ^2/NDF: 89.7/67



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 299.402+/-0.060 χ^2/NDF:1213125.1/16

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 287.574+/-0.058 χ^2/NDF:894687.3/15

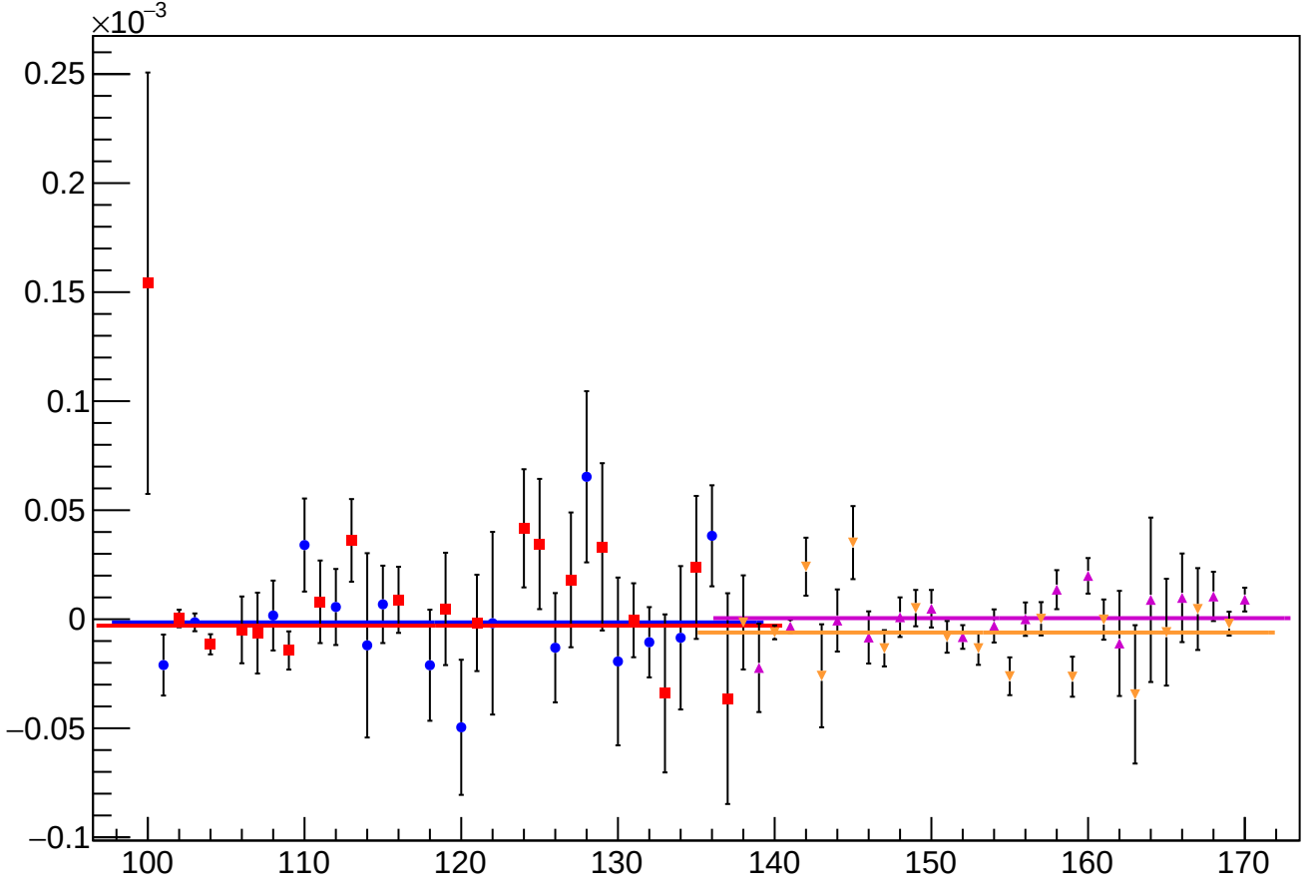
Left: 293.280+/-0.042 χ^2/NDF: 2127946.3/32

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 235.448+/-0.040 χ^2/NDF:3883172.1/31

Out: 219.054+/-0.038 χ^2/NDF:6875744.4/35

All: 226.951+/-0.027 χ^2/NDF: 10847749.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/15

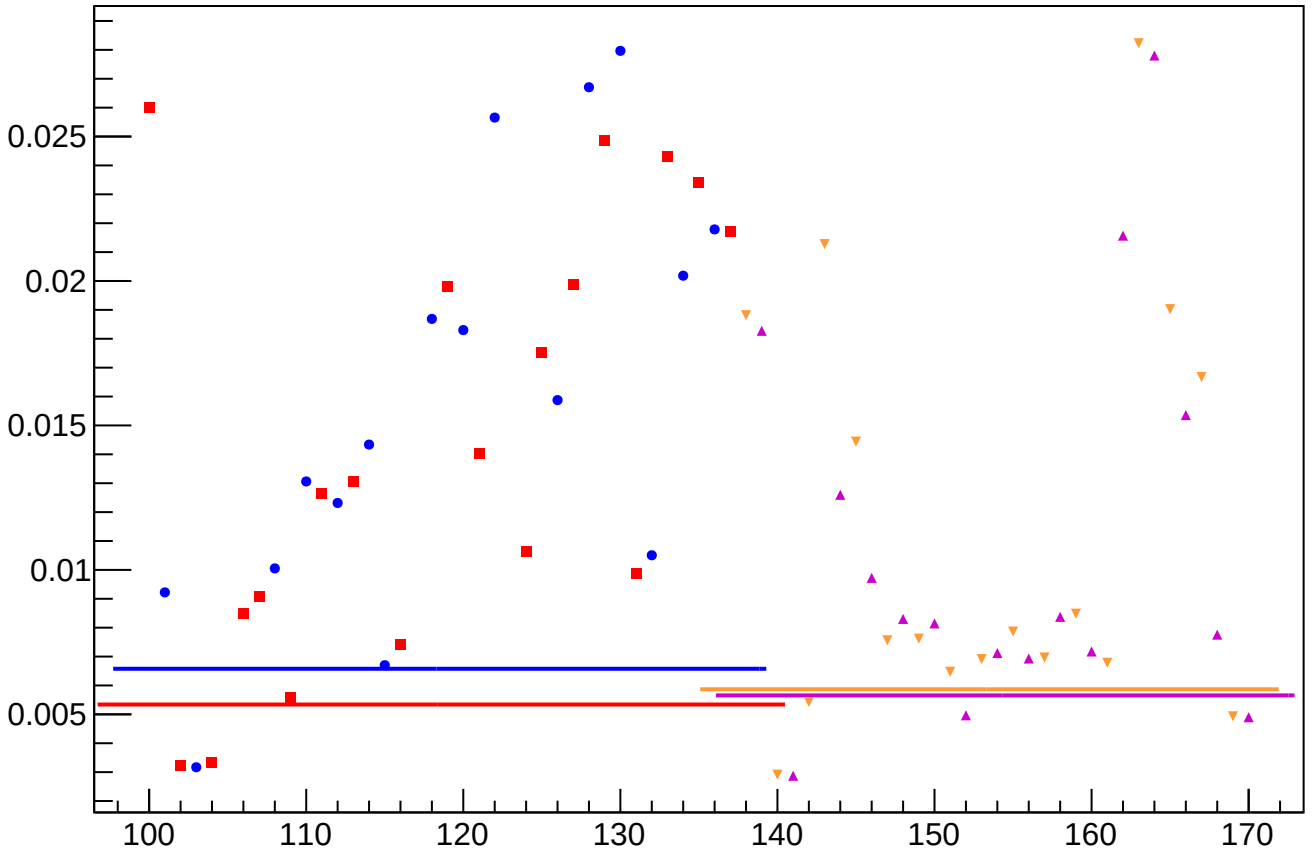
Left: -0.000+/-0.000 χ^2/NDF: 52.5/32

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: -0.000+/-0.000 χ^2/NDF:50.8/35

All: -0.000+/-0.000 χ^2/NDF: 88.7/67



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6677717.4/16

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6014291.5/15

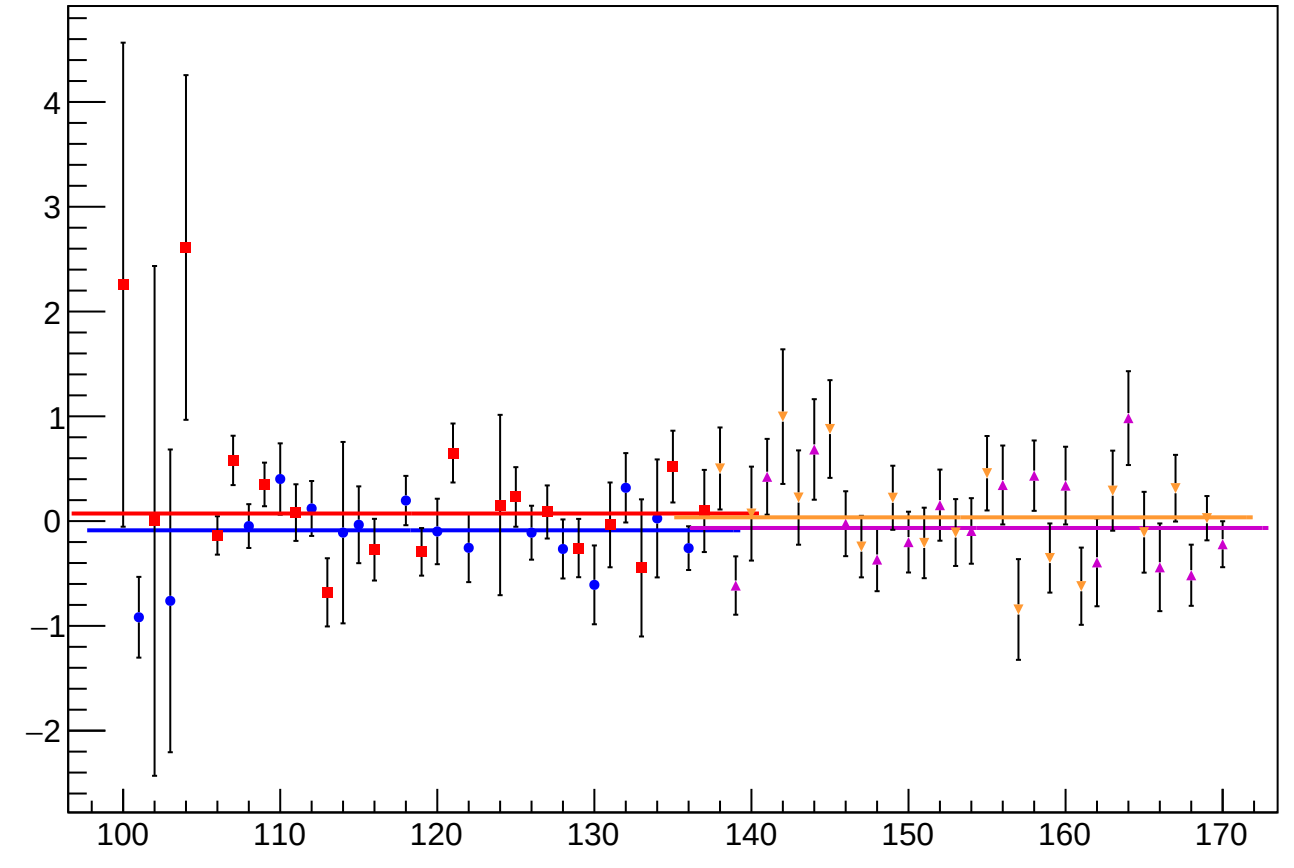
Left: 0.006+/-0.000 χ^2/NDF: 12704458.4/32

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12059856.0/31

Out: 0.006+/-0.000 χ^2/NDF:12417753.5/35

All: 0.006+/-0.000 χ^2/NDF: 24493538.8/67



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.036+/-0.085 χ^2/NDF:19.8/16

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.066+/-0.082 χ^2/NDF:24.2/15

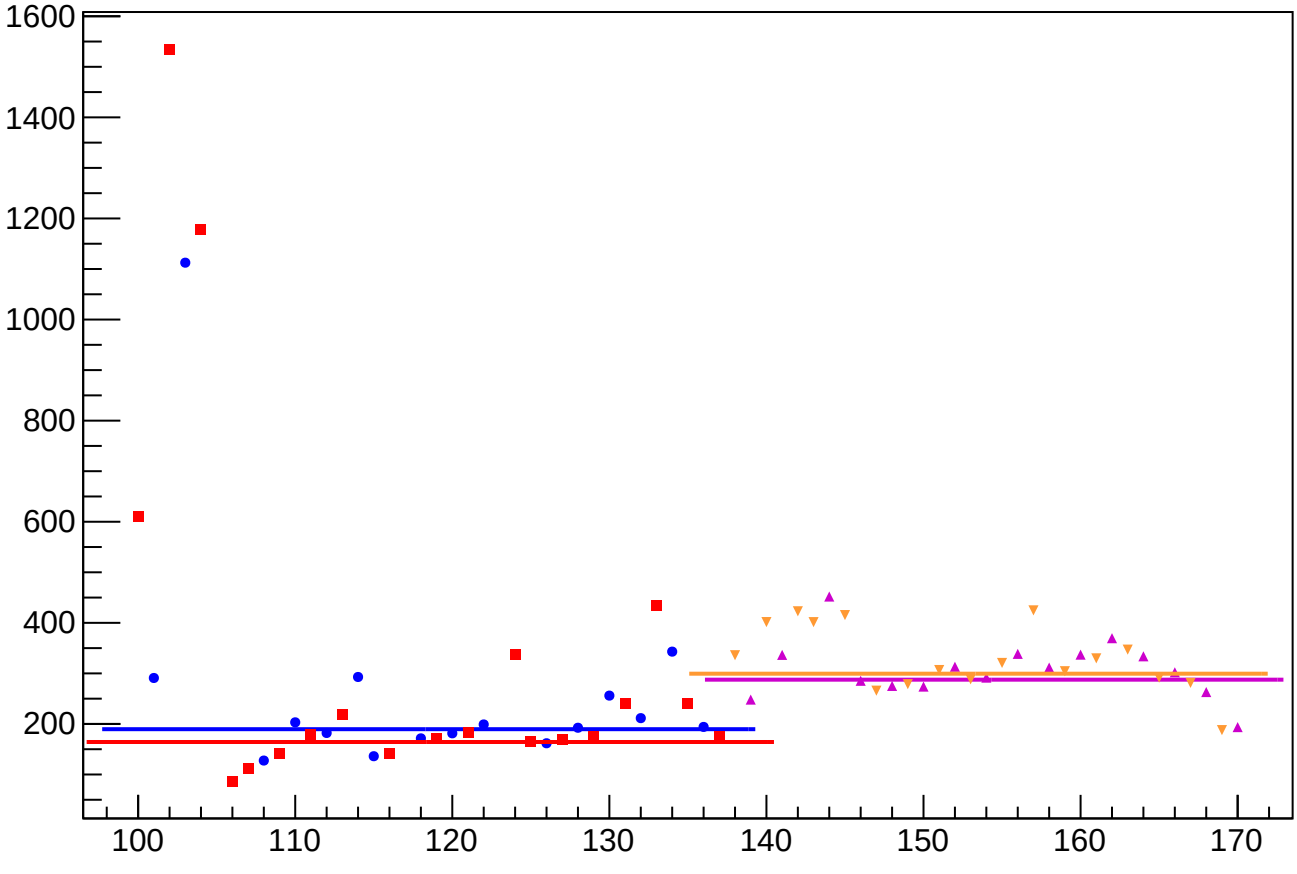
Left: -0.017+/-0.059 χ^2/NDF: 44.7/32

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.058+/-0.054 χ^2/NDF:48.5/35

All: -0.007+/-0.039 χ^2/NDF: 89.7/67



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 299.405+/-0.060 χ^2/NDF:1213179.8/16

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 287.577+/-0.058 χ^2/NDF:894720.2/15

Left: 293.284+/-0.042 χ^2/NDF: 2128033.1/32

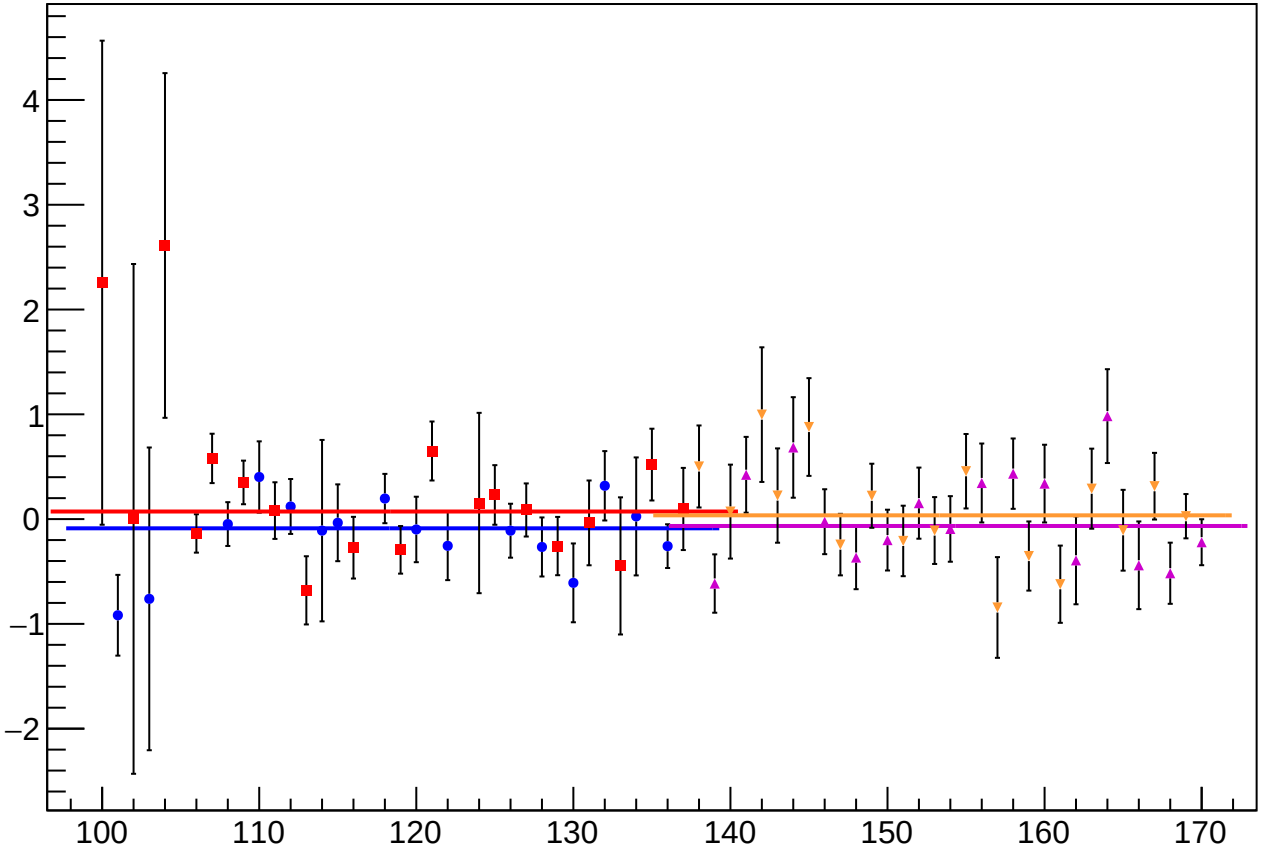
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 235.449+/-0.040 χ^2/NDF:3883307.6/31

Out: 219.053+/-0.038 χ^2/NDF:6875928.3/35

All: 226.951+/-0.027 χ^2/NDF: 10848075.3/67

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: 0.036+/-0.085 χ^2/NDF:19.8/16

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.066+/-0.082 χ^2/NDF:24.2/15

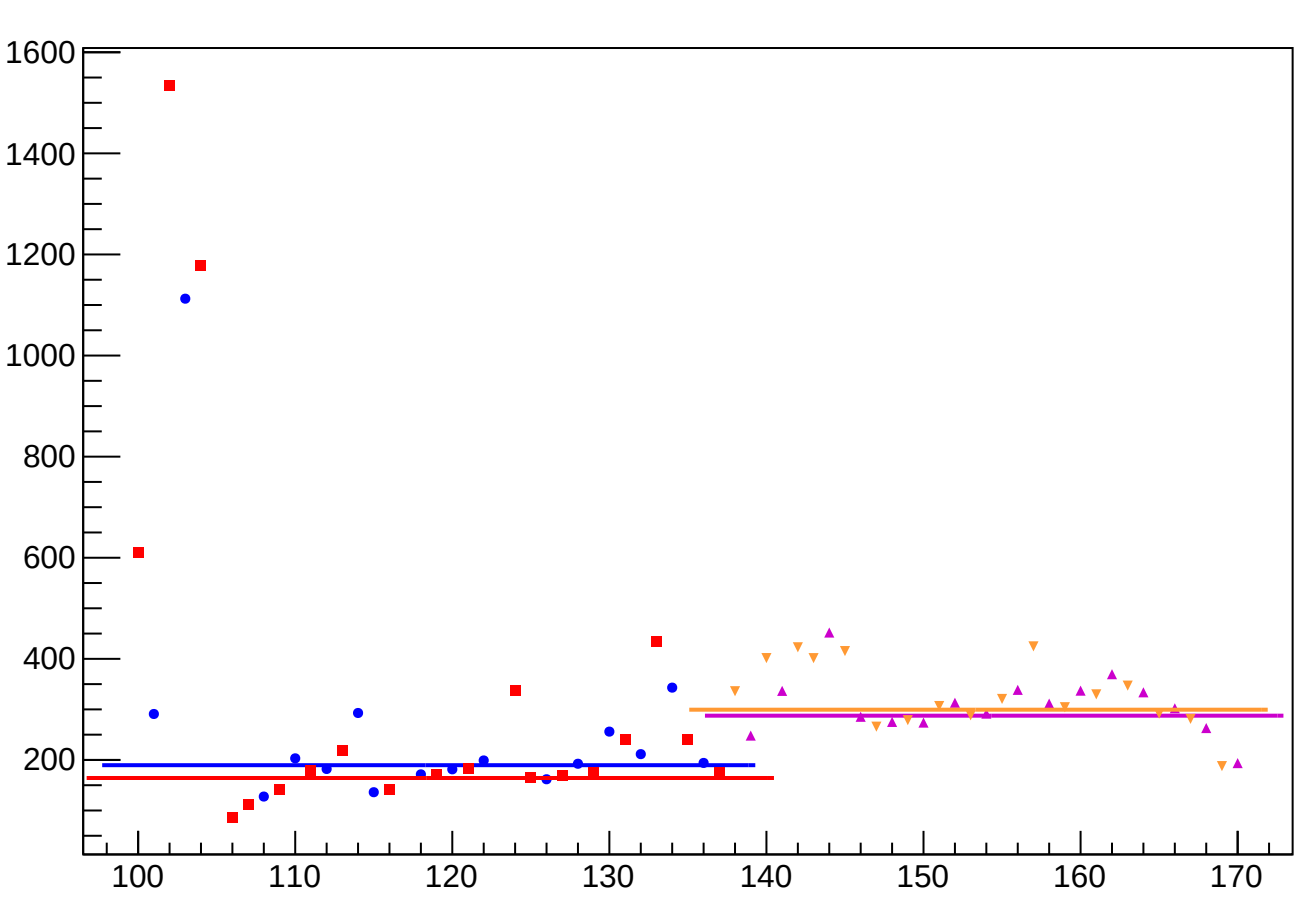
Left: -0.017+/-0.059 χ^2/NDF: 44.7/32

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.058+/-0.054 χ^2/NDF:48.5/35

All: -0.007+/-0.039 χ^2/NDF: 89.7/67



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 299.405+/-0.060 χ^2/NDF:1213179.8/16

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 287.577+/-0.058 χ^2/NDF:894720.2/15

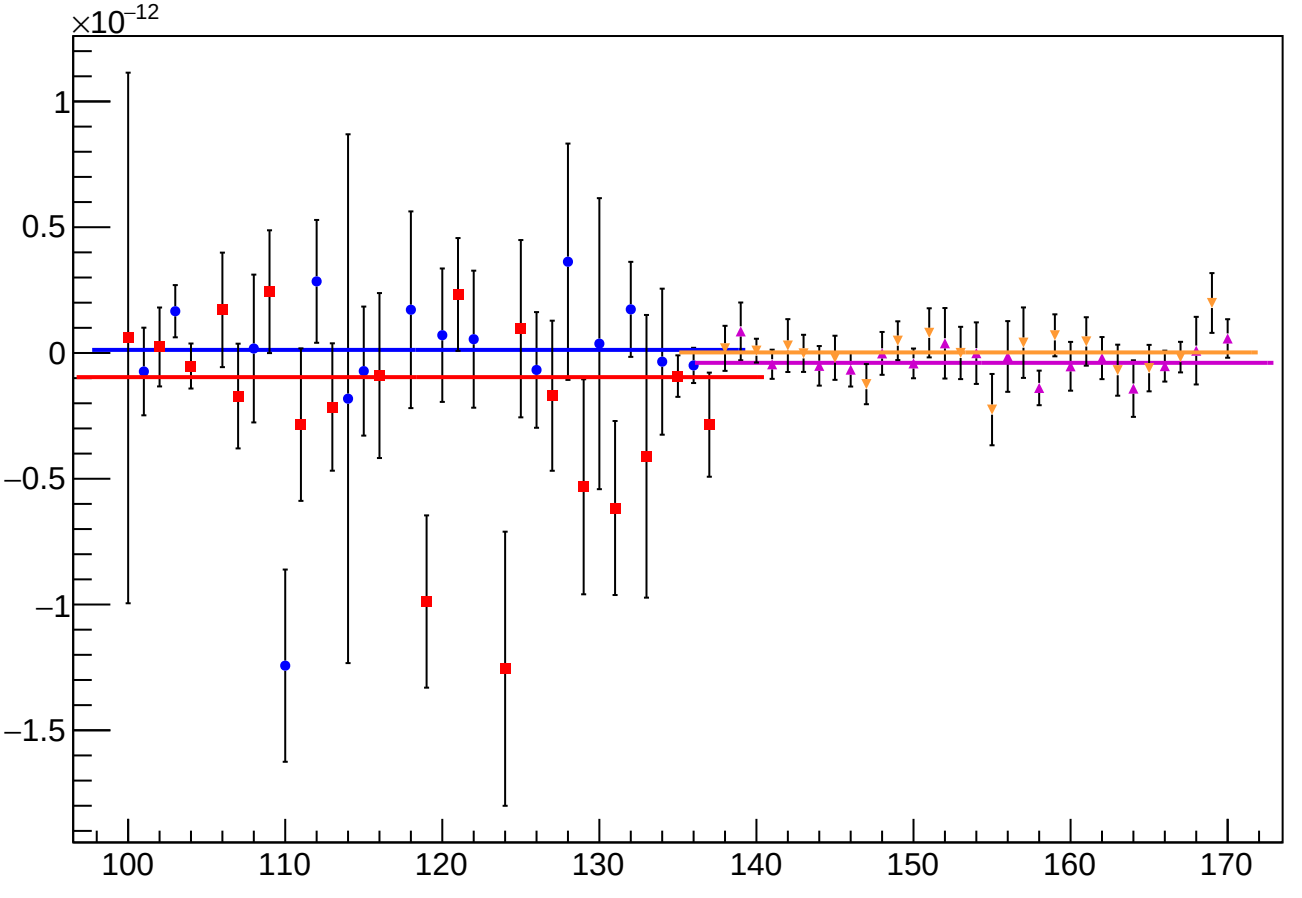
Left: 293.284+/-0.042 χ^2/NDF: 2128033.1/32

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 235.449+/-0.040 χ^2/NDF:3883307.6/31

Out: 219.053+/-0.038 χ^2/NDF:6875928.3/35

All: 226.951+/-0.027 χ^2/NDF: 10848075.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/15

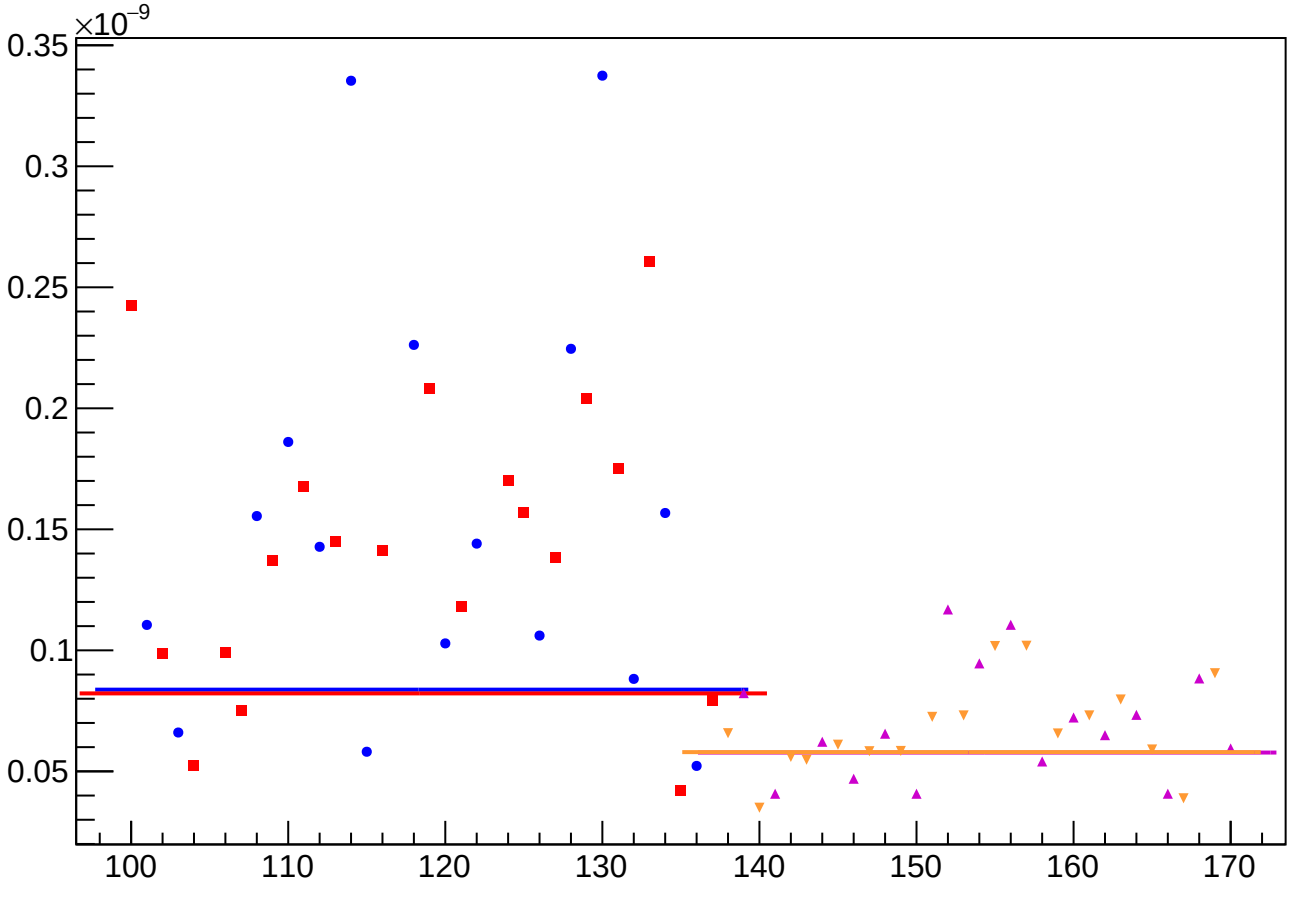
Left: -0.000+/-0.000 χ^2/NDF: 19.8/32

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/31

Out: -0.000+/-0.000 χ^2/NDF:38.1/35

All: -0.000+/-0.000 χ^2/NDF: 63.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1473586.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1684317.5/15

Left: 0.000+/-0.000 χ^2/NDF: 3157980.1/32

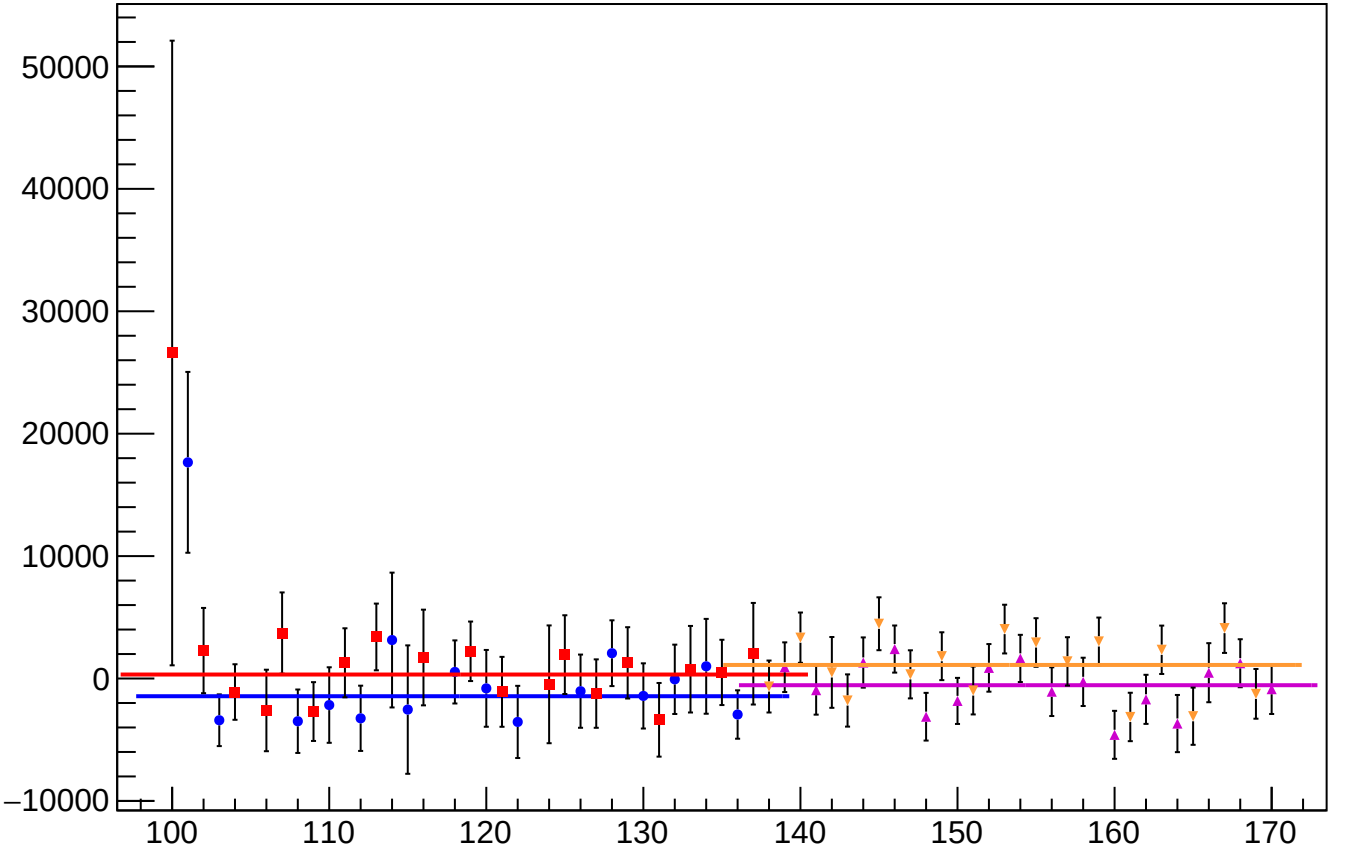
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4334204.2/31

Out: 0.000+/-0.000 χ^2/NDF:4232274.8/35

All: 0.000+/-0.000 χ^2/NDF: 8566481.0/67

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1107.853+/-499.936 χ^2/NDF:23.4/16

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -546.605+/-502.766 χ^2/NDF:15.3/15

Left: 285.294+/-354.505 χ^2/NDF: 44.2/32

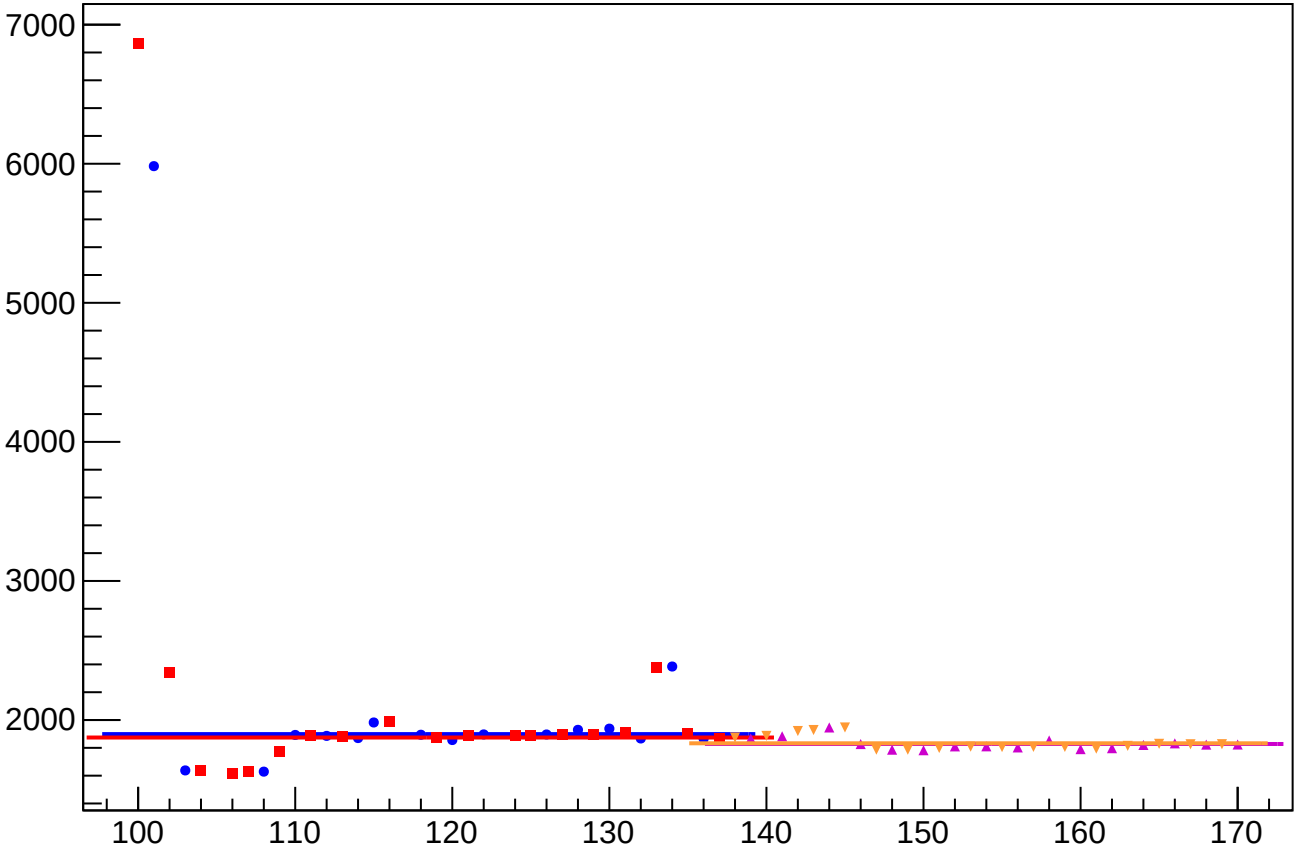
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -839.863+/-412.801 χ^2/NDF:29.9/31

Out: 845.046+/-407.350 χ^2/NDF:34.2/35

All: 13.788+/-289.948 χ^2/NDF: 72.5/67

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1832.678+/-0.354 χ^2/NDF:18657.3/16

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

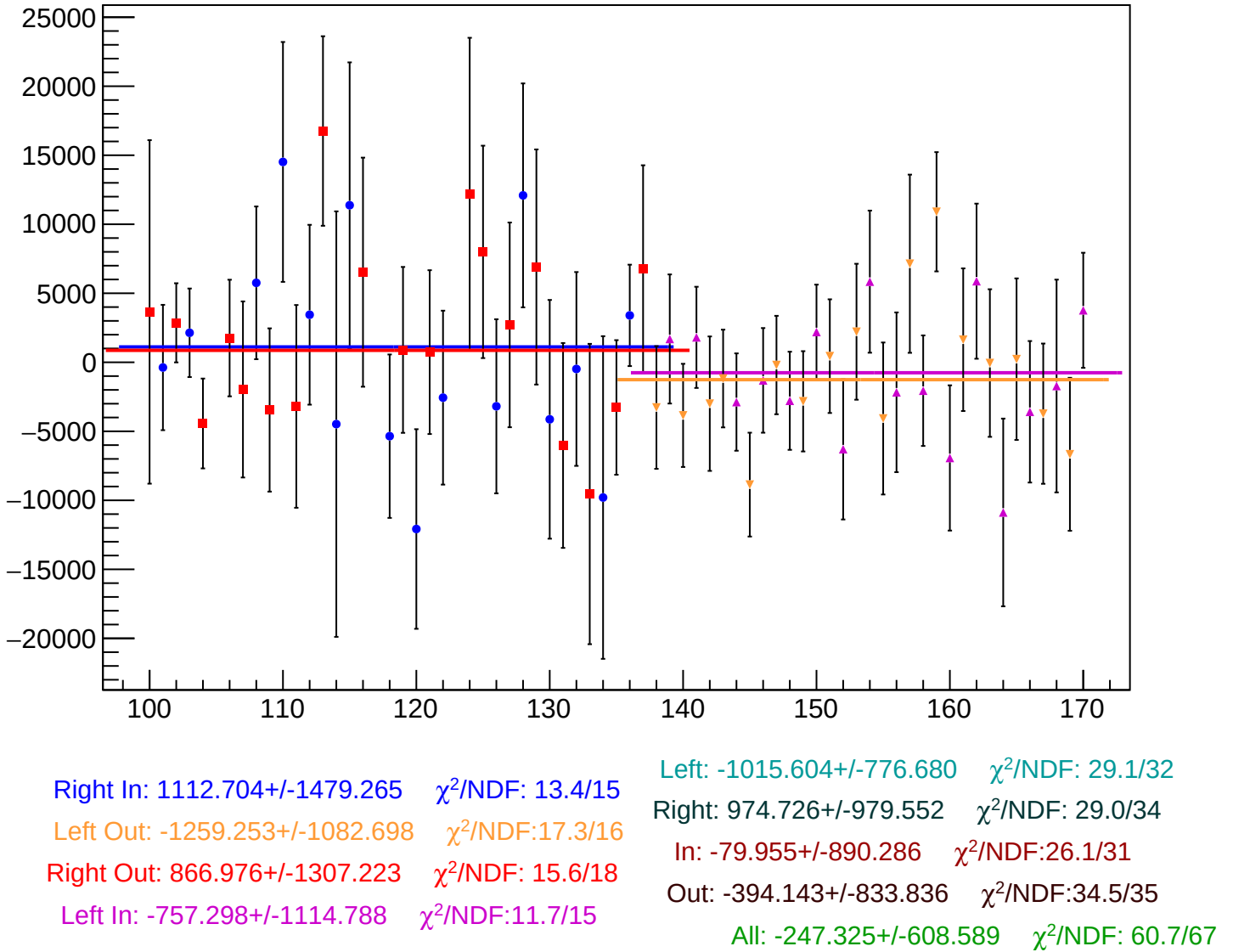
Left: 1830.212+/-0.251 χ^2/NDF: 31915.3/32

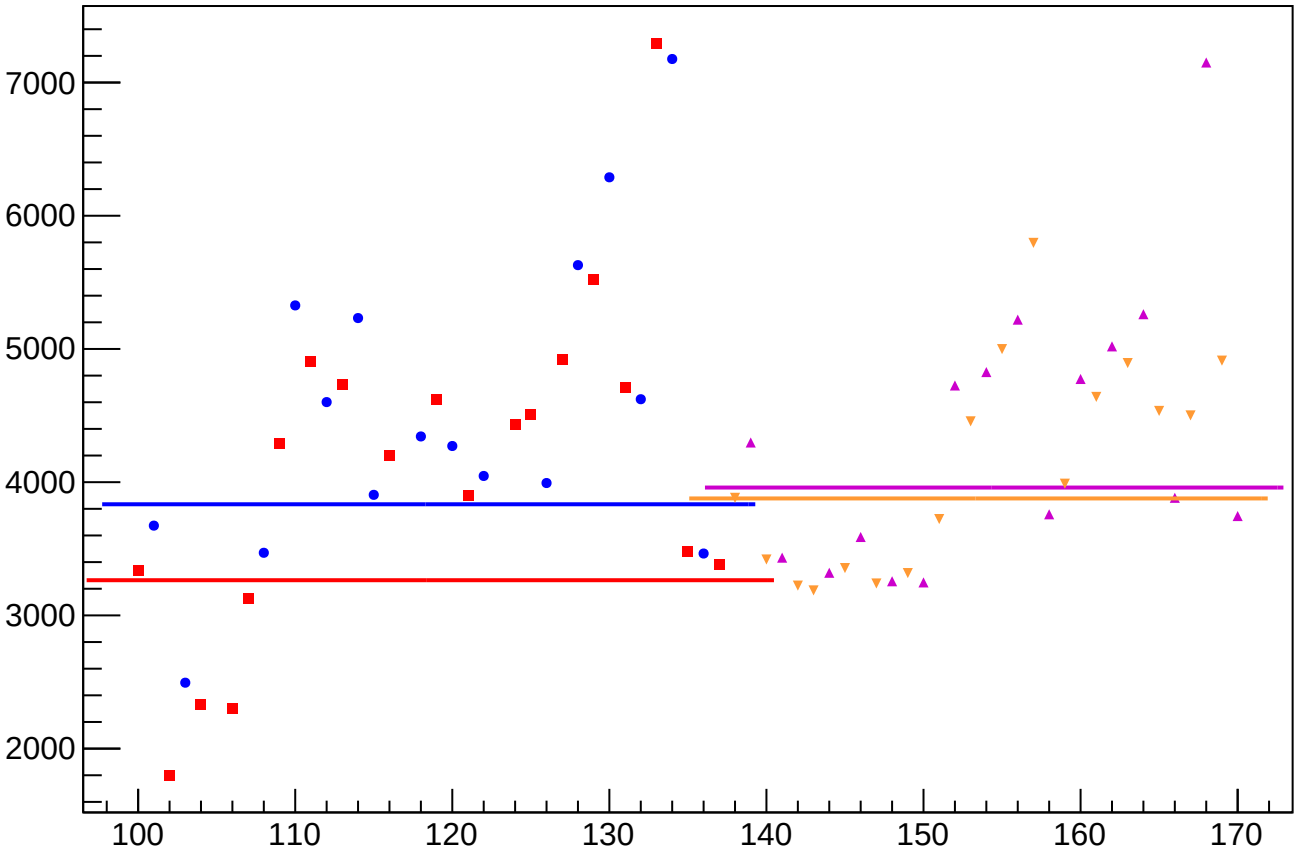
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1850.889+/-0.292 χ^2/NDF:723711.5/31

Out: 1846.714+/-0.288 χ^2/NDF:230984.0/35

All: 1848.771+/-0.205 χ^2/NDF: 954799.3/67


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: -1259.253+/-1082.698 χ²/NDF:17.3/16
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -757.298+/-1114.788 χ²/NDF:11.7/15
Left: -1015.604+/-776.680 χ²/NDF: 29.1/32
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -79.955+/-890.286 χ²/NDF:26.1/31
Out: -394.143+/-833.836 χ²/NDF:34.5/35
All: -247.325+/-608.589 χ²/NDF: 60.7/67



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3877.874+/-0.766 χ^2/NDF:824656.7/16

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3959.632+/-0.788 χ^2/NDF:1043867.2/15

Left: 3917.559+/-0.549 χ^2/NDF: 1874059.5/32

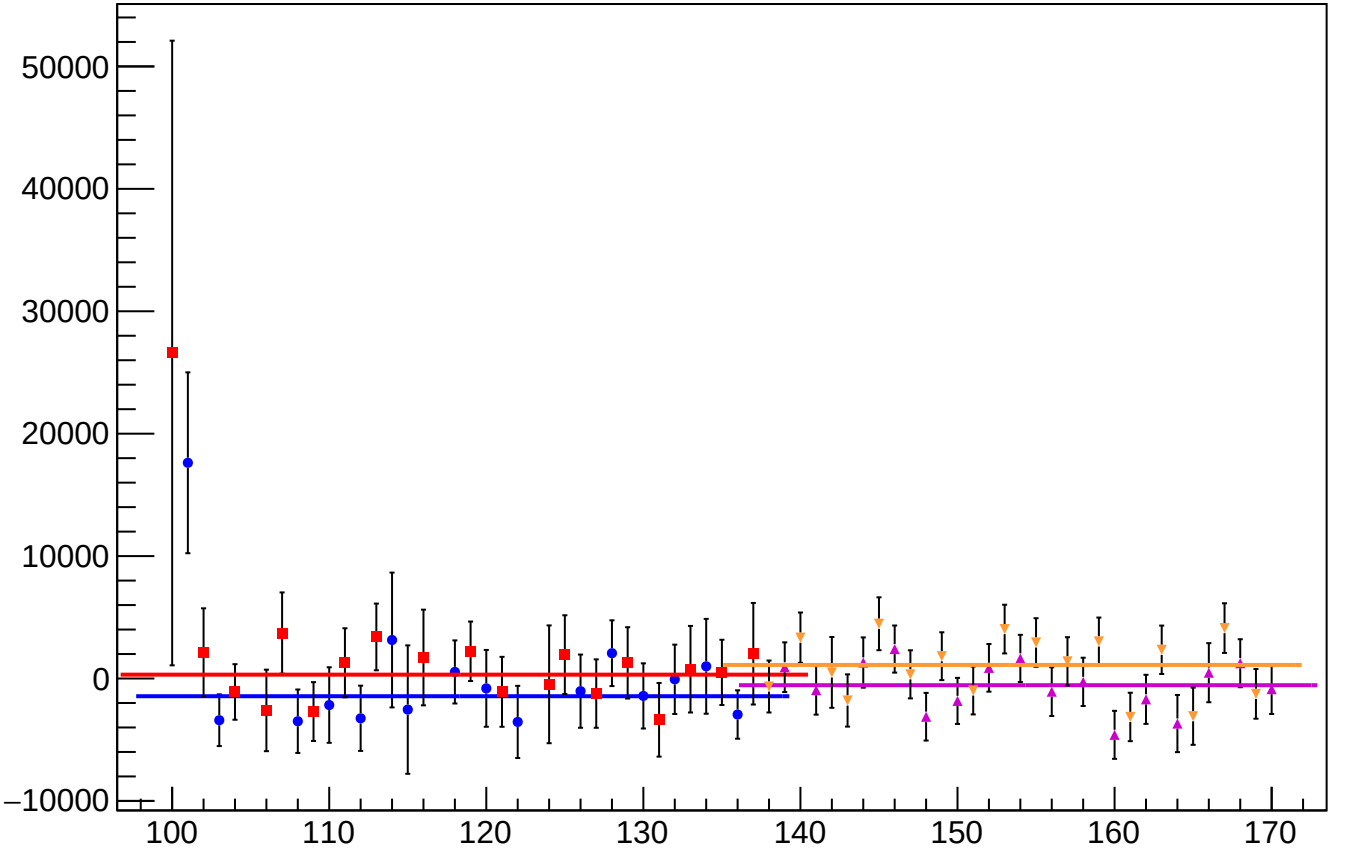
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3914.185+/-0.630 χ^2/NDF:2009819.3/31

Out: 3628.149+/-0.590 χ^2/NDF:2950402.7/35

All: 3761.812+/-0.430 χ^2/NDF: 5070198.9/67

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1107.976+/-499.936 χ^2/NDF:23.4/16

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -546.539+/-502.766 χ^2/NDF:15.3/15

Left: 285.388+/-354.505 χ^2/NDF: 44.2/32

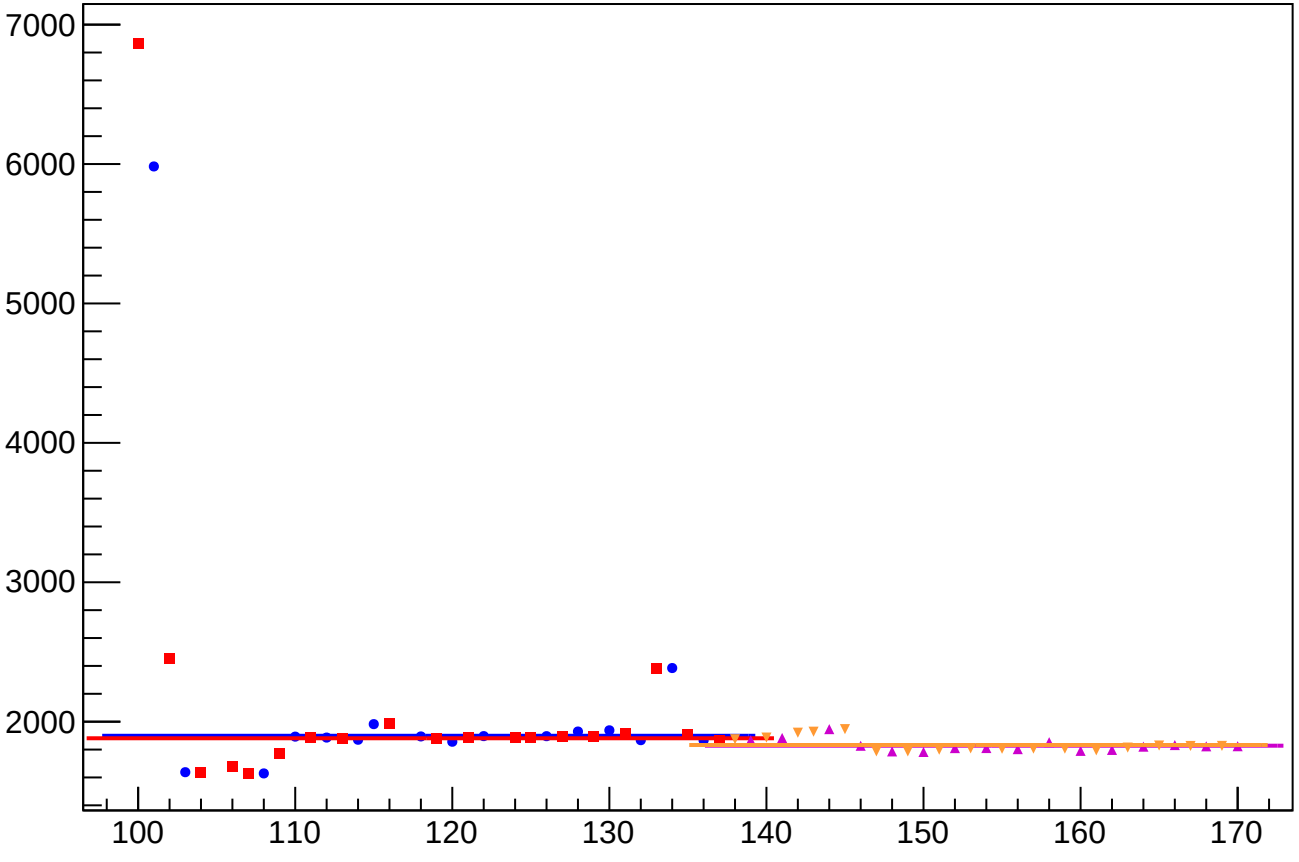
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -839.944+/-412.801 χ^2/NDF:29.8/31

Out: 842.094+/-407.535 χ^2/NDF:34.1/35

All: 11.872+/-290.014 χ^2/NDF: 72.4/67

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1832.678+/-0.354 χ^2/NDF:18657.3/16

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

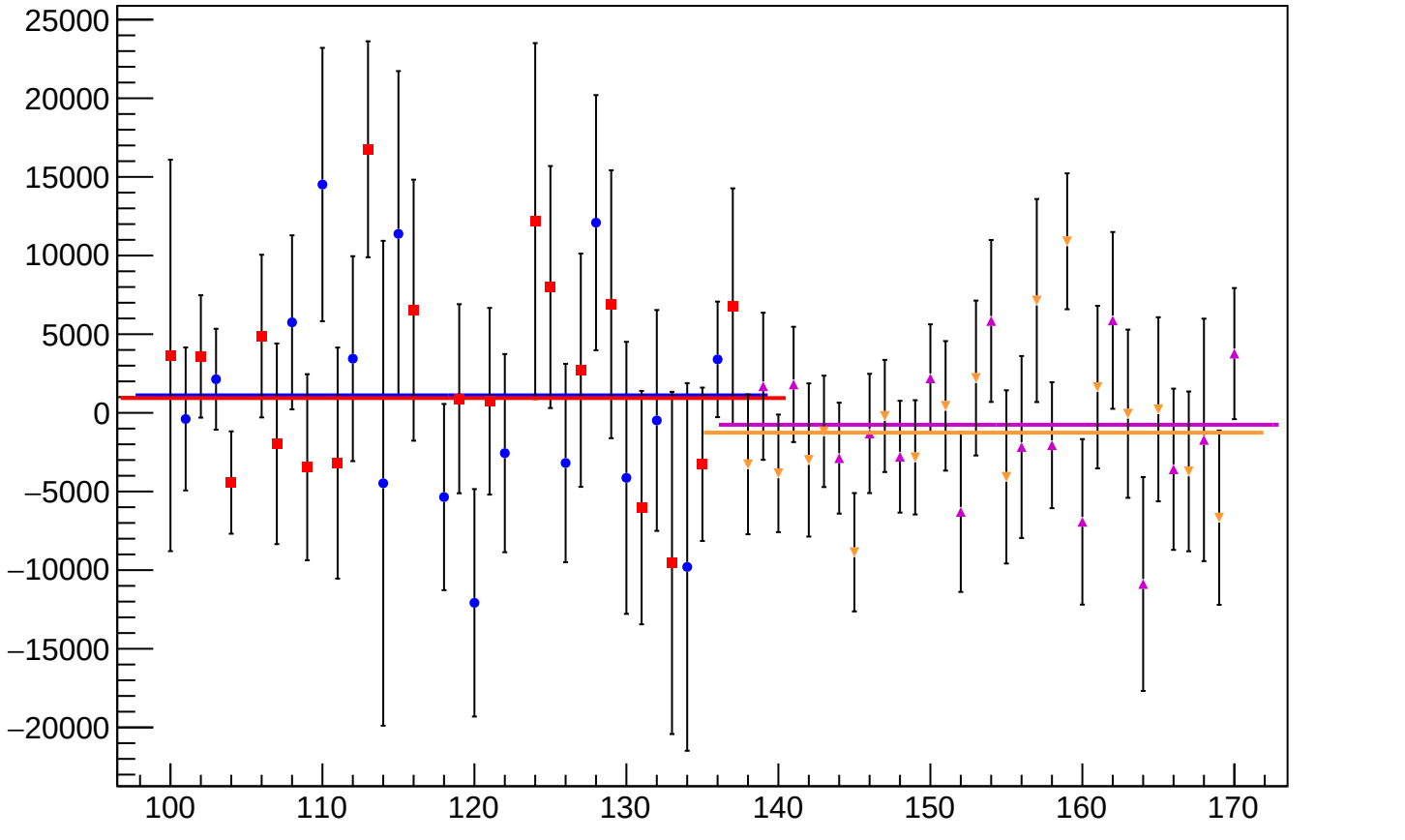
Left: 1830.212+/-0.251 χ^2/NDF: 31915.3/32

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1850.889+/-0.292 χ^2/NDF:723711.6/31

Out: 1848.926+/-0.288 χ^2/NDF:241504.8/35

All: 1849.894+/-0.205 χ^2/NDF: 965239.3/67



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1259.206+/-1082.697 χ^2/NDF:17.3/16

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -757.351+/-1114.787 χ^2/NDF:11.7/15

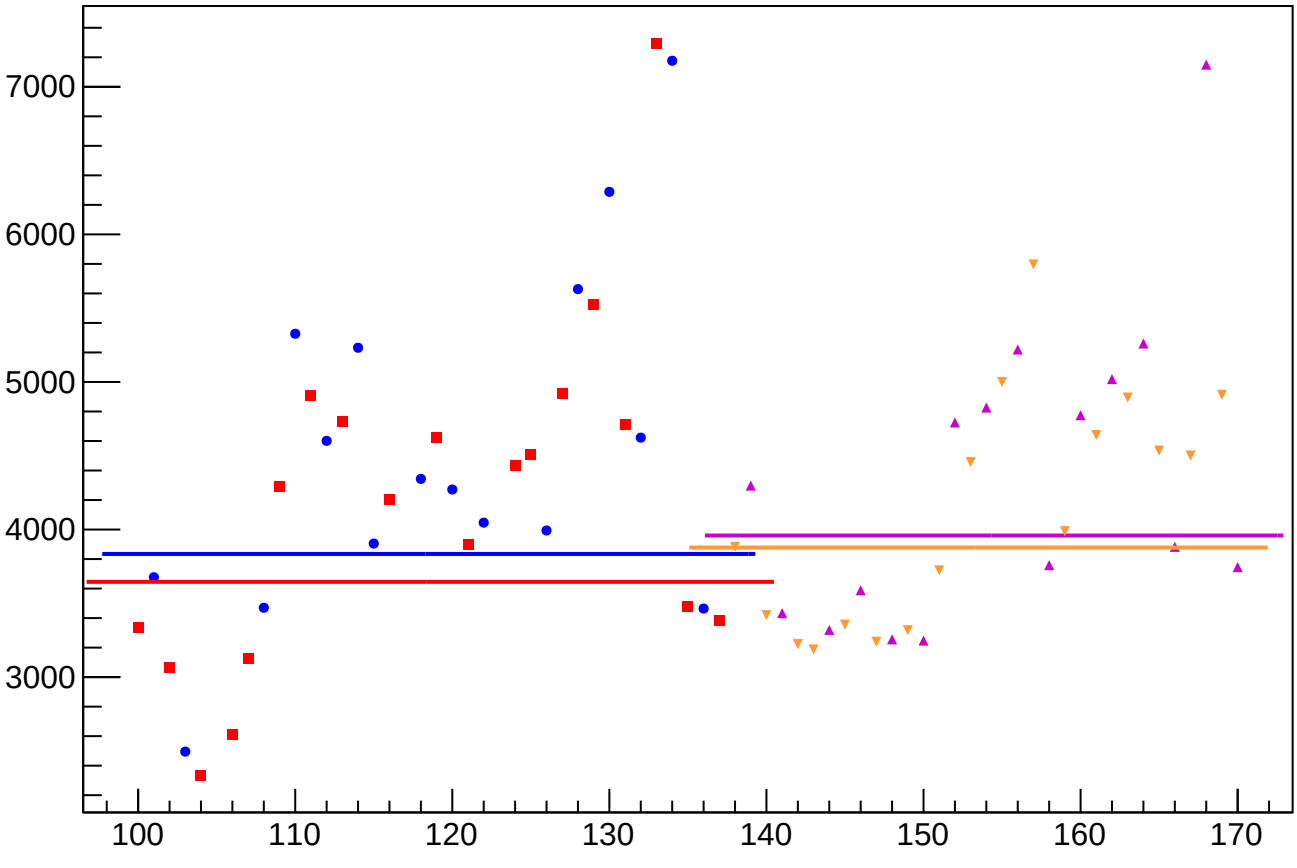
Left: -1015.606+/-776.679 χ^2/NDF: 29.1/32

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -80.515+/-890.323 χ^2/NDF:26.1/31

Out: -435.149+/-856.231 χ^2/NDF:35.1/35

All: -264.751+/-617.147 χ^2/NDF: 61.2/67



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3877.871+/-0.766 χ^2/NDF:824652.1/16

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

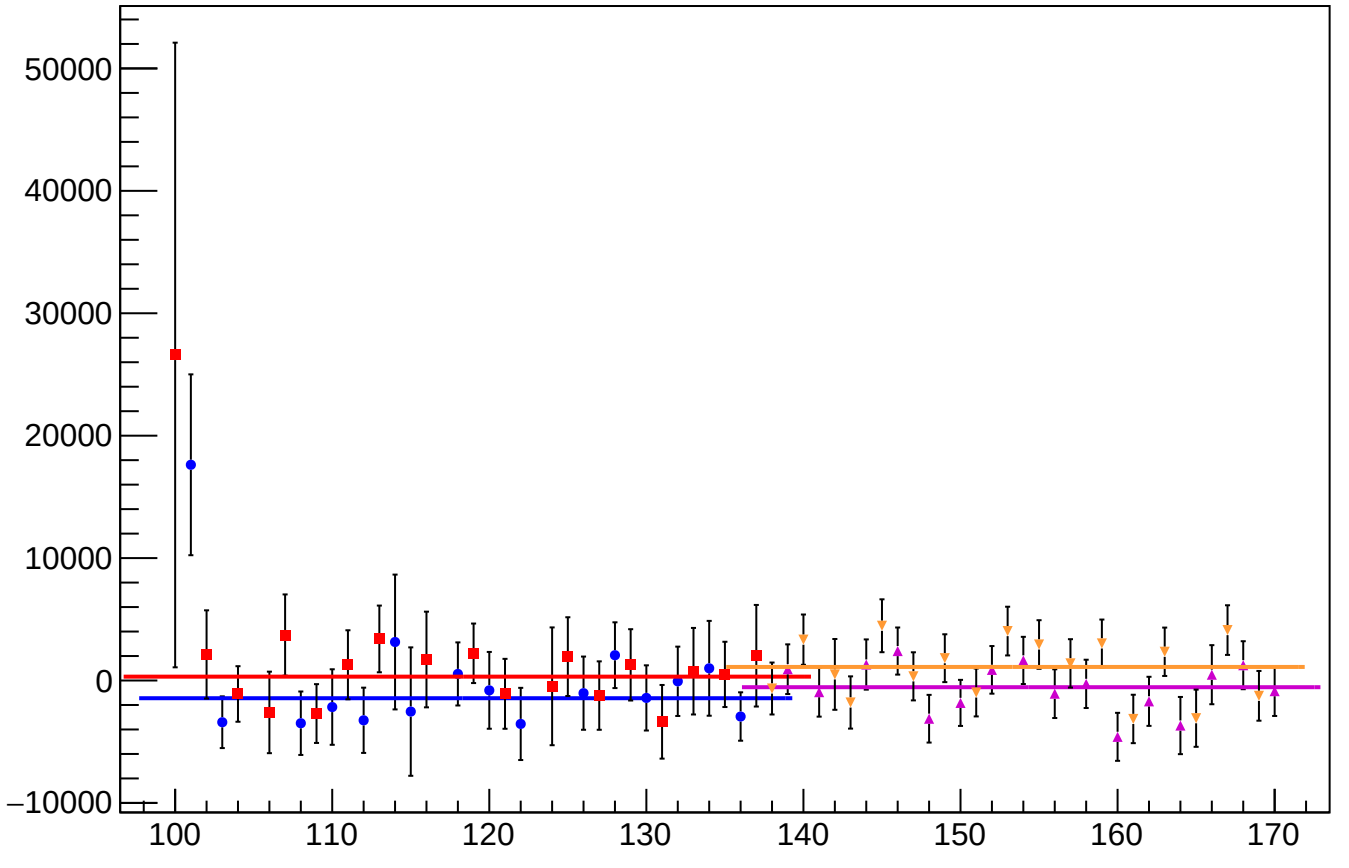
Left: 3917.554+/-0.549 χ^2/NDF: 1874069.0/32

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3914.378+/-0.630 χ^2/NDF:2009291.3/31

Out: 3790.899+/-0.605 χ^2/NDF:1984086.3/35

All: 3850.229+/-0.436 χ^2/NDF: 4013363.2/67



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1107.976+/-499.936 χ^2/NDF:23.4/16

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -546.539+/-502.766 χ^2/NDF:15.3/15

Left: 285.388+/-354.505 χ^2/NDF: 44.2/32

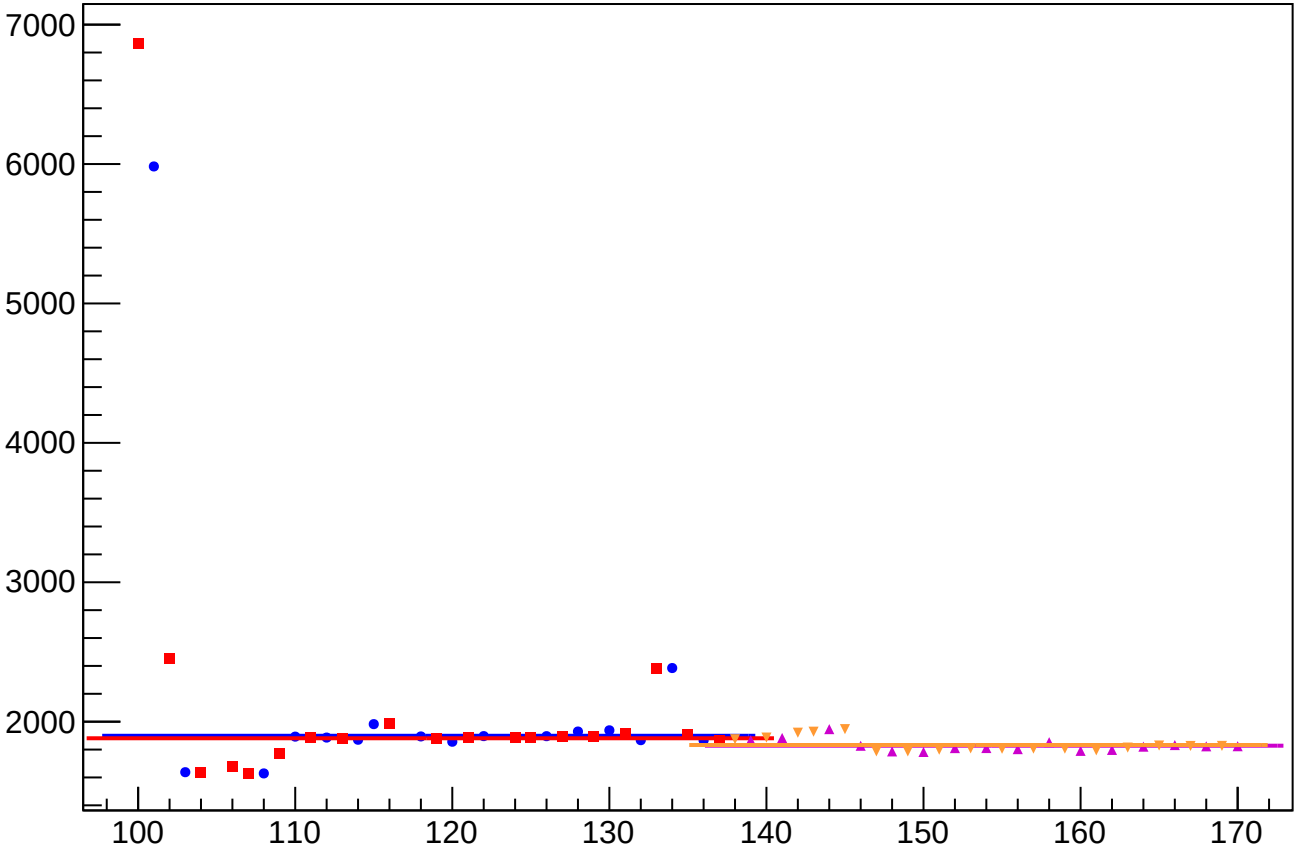
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -839.944+/-412.801 χ^2/NDF:29.8/31

Out: 842.094+/-407.535 χ^2/NDF:34.1/35

All: 11.872+/-290.014 χ^2/NDF: 72.4/67

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1832.678+/-0.354 χ^2/NDF:18657.3/16

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

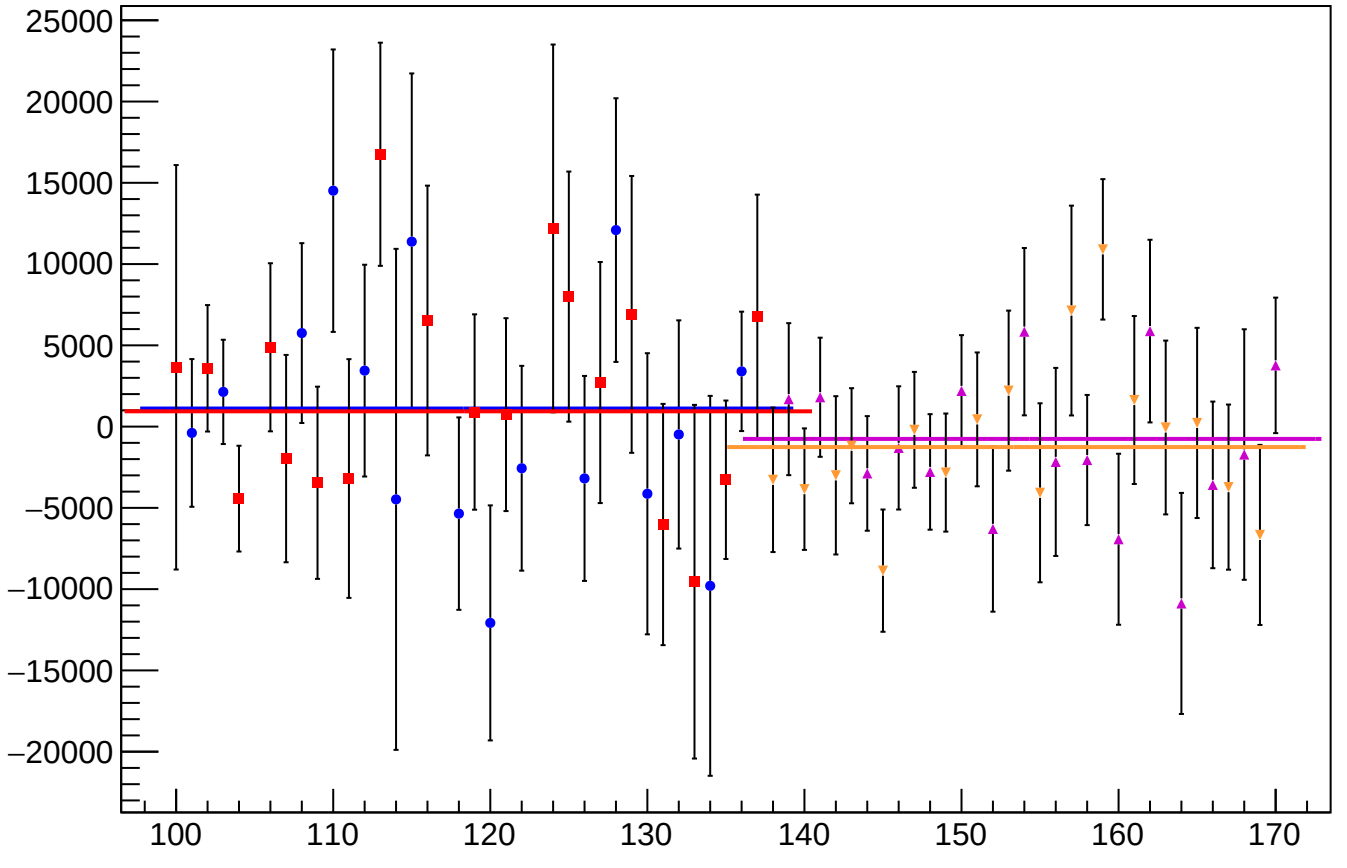
Left: 1830.212+/-0.251 χ^2/NDF: 31915.3/32

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1850.889+/-0.292 χ^2/NDF:723711.6/31

Out: 1848.926+/-0.288 χ^2/NDF:241504.8/35

All: 1849.894+/-0.205 χ^2/NDF: 965239.3/67



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1259.206+/-1082.697 χ^2/NDF:17.3/16

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -757.351+/-1114.787 χ^2/NDF:11.7/15

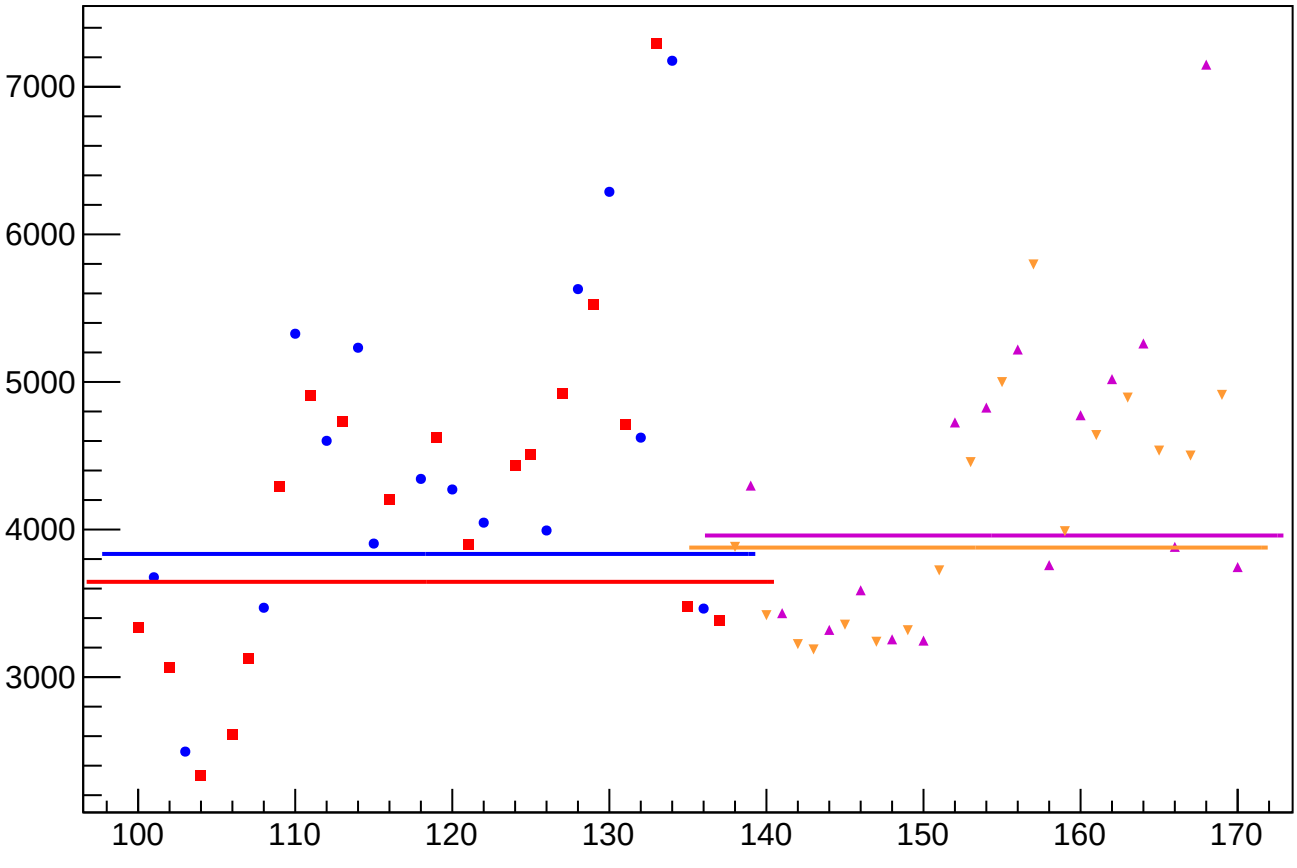
Left: -1015.606+/-776.679 χ^2/NDF: 29.1/32

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -80.515+/-890.323 χ^2/NDF:26.1/31

Out: -435.149+/-856.231 χ^2/NDF:35.1/35

All: -264.751+/-617.147 χ^2/NDF: 61.2/67



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3877.871+/-0.766 χ^2/NDF:824652.1/16

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

Left: 3917.554+/-0.549 χ^2/NDF: 1874069.0/32

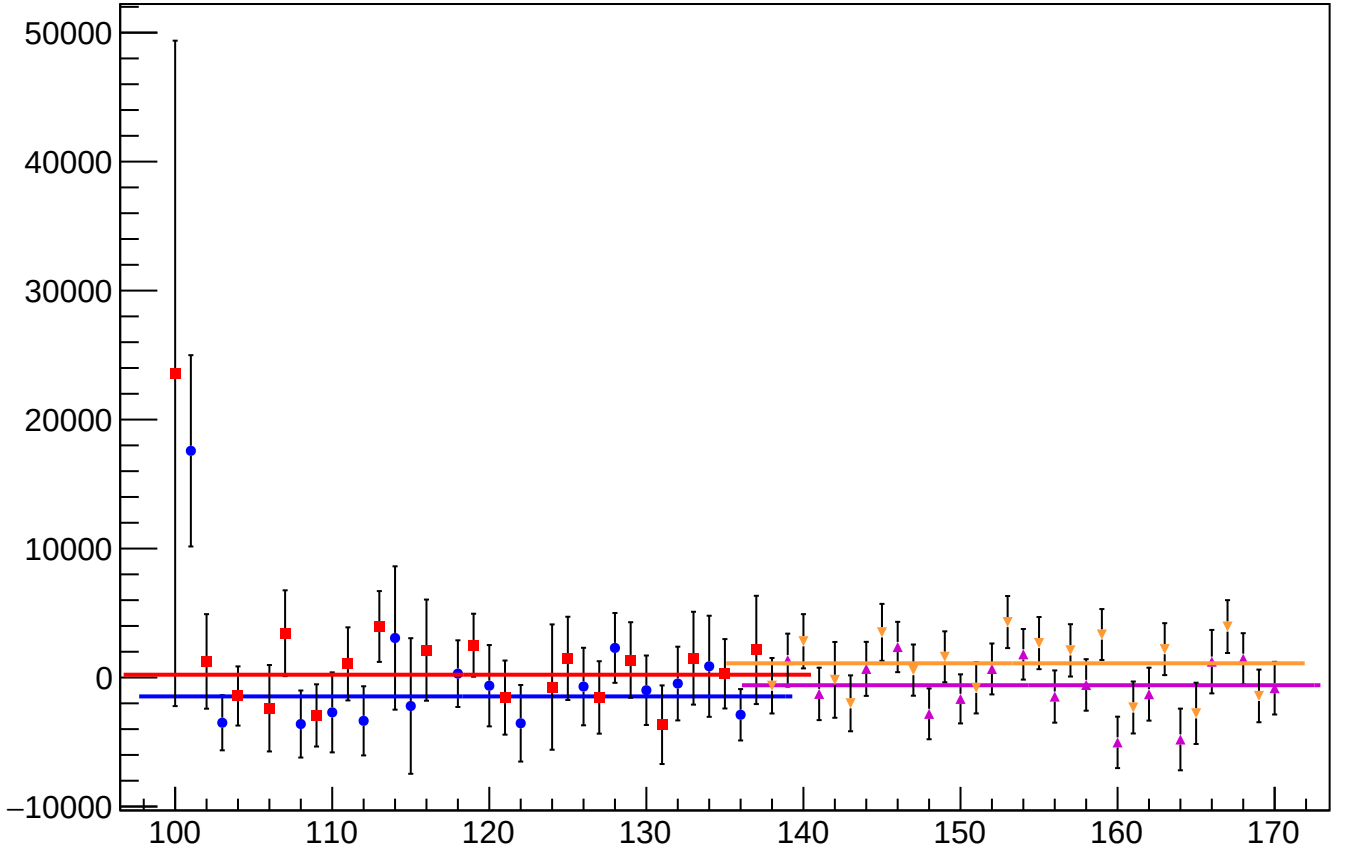
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3914.378+/-0.630 χ^2/NDF:2009291.3/31

Out: 3790.899+/-0.605 χ^2/NDF:1984086.3/35

All: 3850.229+/-0.436 χ^2/NDF: 4013363.2/67

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1104.201+/-507.786 χ^2/NDF:19.7/16

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -595.893+/-510.441 χ^2/NDF:17.1/15

Left: 258.587+/-359.994 χ^2/NDF: 42.5/32

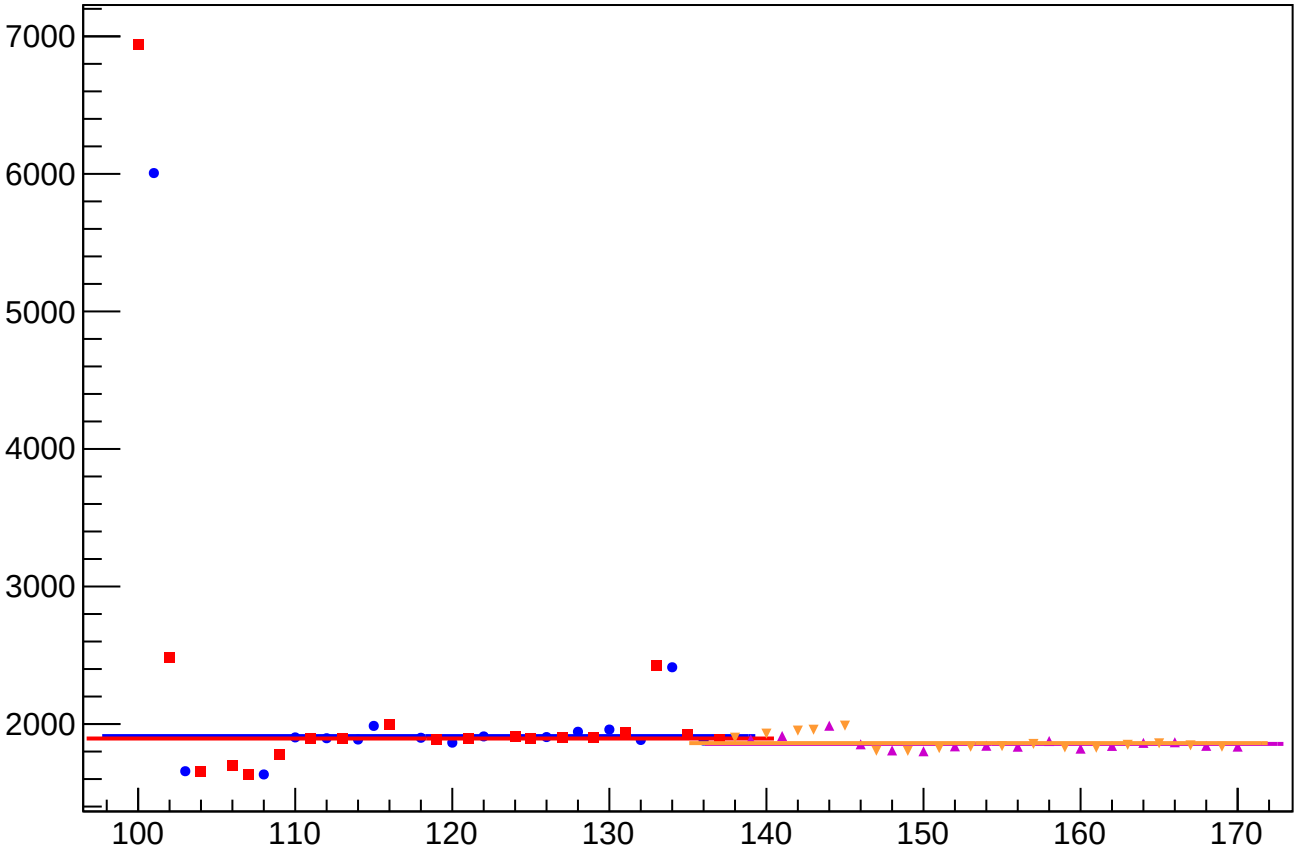
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -881.418+/-417.994 χ^2/NDF:31.7/31

Out: 804.249+/-412.799 χ^2/NDF:31.6/35

All: -28.043+/-293.713 χ^2/NDF: 71.5/67

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1861.316+/-0.359 χ^2/NDF:21441.4/16

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1855.528+/-0.361 χ^2/NDF:14516.3/15

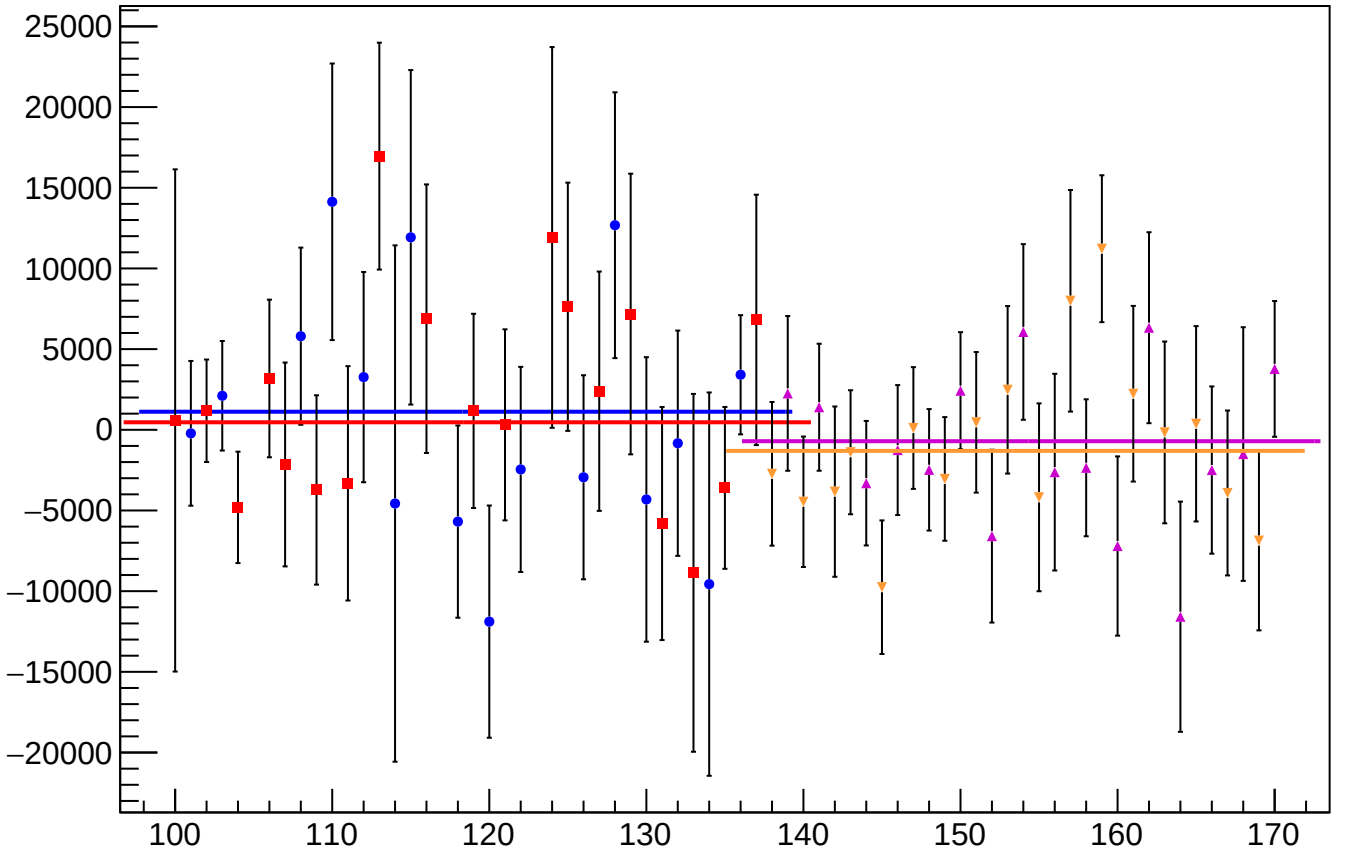
Left: 1858.437+/-0.255 χ^2/NDF: 36087.0/32

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1874.256+/-0.296 χ^2/NDF:718909.1/31

Out: 1872.675+/-0.292 χ^2/NDF:244170.1/35

All: 1873.455+/-0.208 χ^2/NDF: 963093.7/67



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1307.323+/-1144.106 χ^2/NDF:17.6/16

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -706.898+/-1174.371 χ^2/NDF:11.5/15

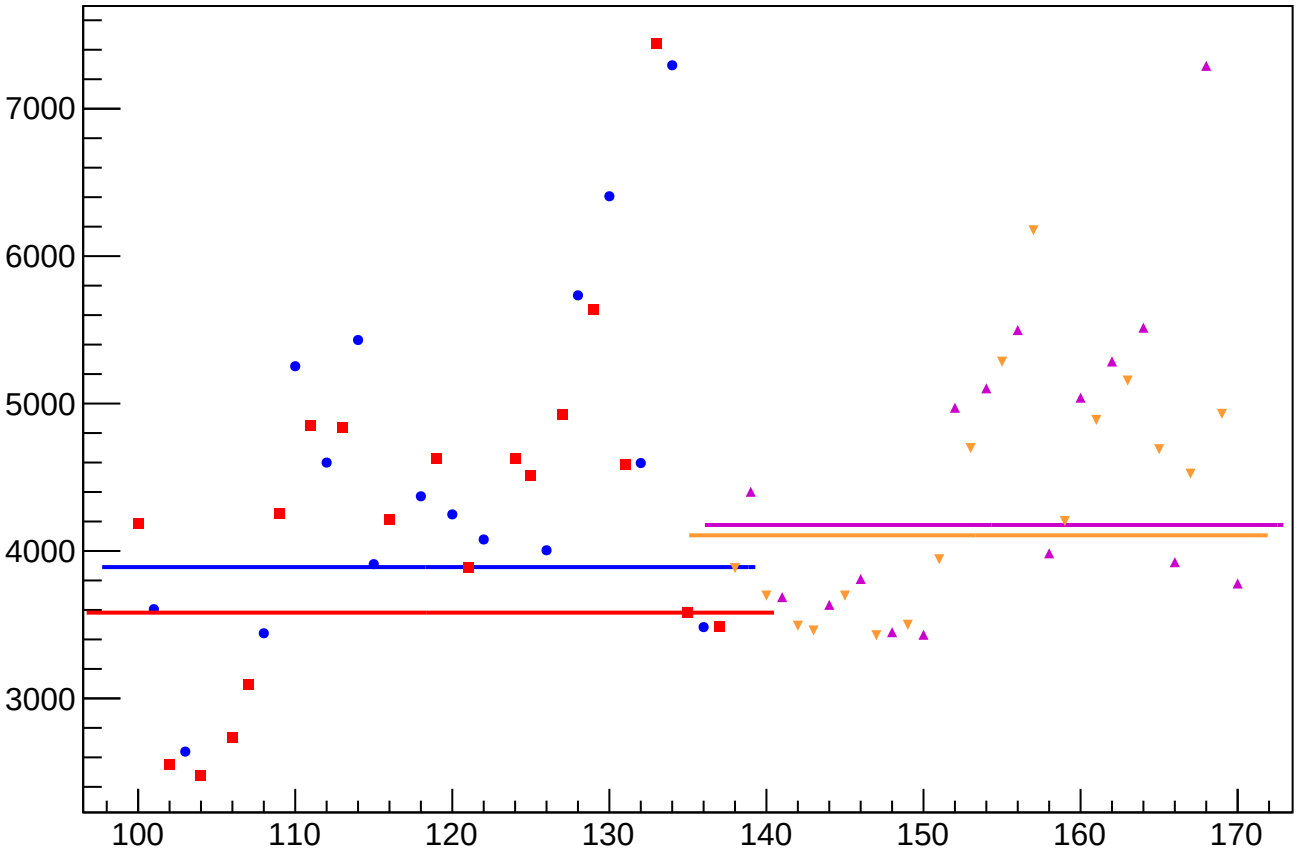
Left: -1014.947+/-819.496 χ^2/NDF: 29.2/32

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: -11.237+/-924.139 χ^2/NDF:25.9/31

Out: -579.902+/-878.372 χ^2/NDF:33.6/35

All: -309.999+/-636.668 χ^2/NDF: 59.7/67



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4106.165+/-0.809 χ^2/NDF:722978.3/16

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4176.274+/-0.830 χ^2/NDF:976034.6/15

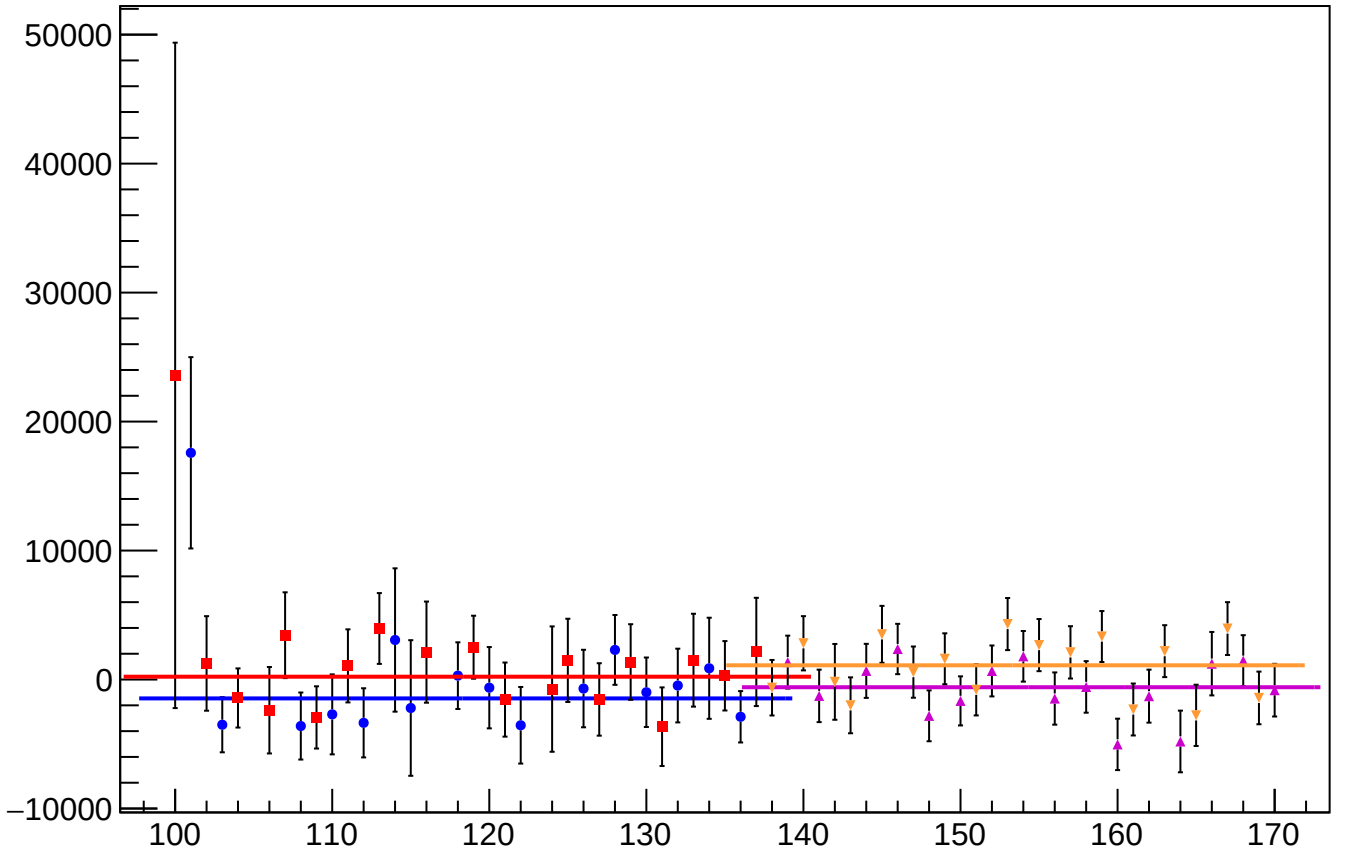
Left: 4140.305+/-0.579 χ^2/NDF: 1702669.9/32

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4067.544+/-0.653 χ^2/NDF:1899480.0/31

Out: 3890.863+/-0.621 χ^2/NDF:2117336.3/35

All: 3974.721+/-0.450 χ^2/NDF: 4055222.5/67



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1104.209+/-507.786 χ^2/NDF:19.7/16

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -595.896+/-510.441 χ^2/NDF:17.1/15

Left: 258.590+/-359.994 χ^2/NDF: 42.5/32

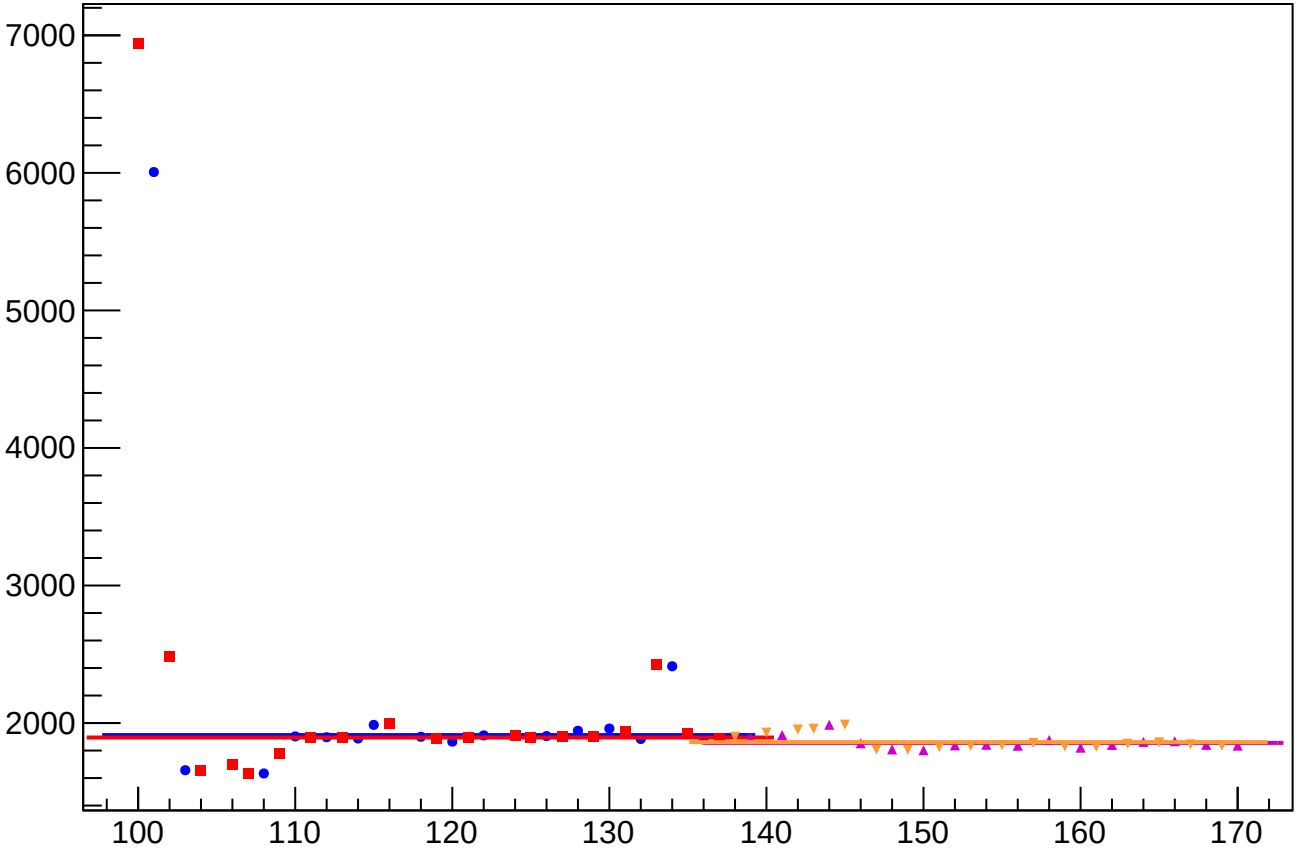
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -881.422+/-417.995 χ^2/NDF:31.7/31

Out: 804.252+/-412.799 χ^2/NDF:31.6/35

All: -28.043+/-293.713 χ^2/NDF: 71.5/67

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1861.317+/-0.359 χ^2/NDF:21441.4/16

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1855.529+/-0.361 χ^2/NDF:14516.2/15

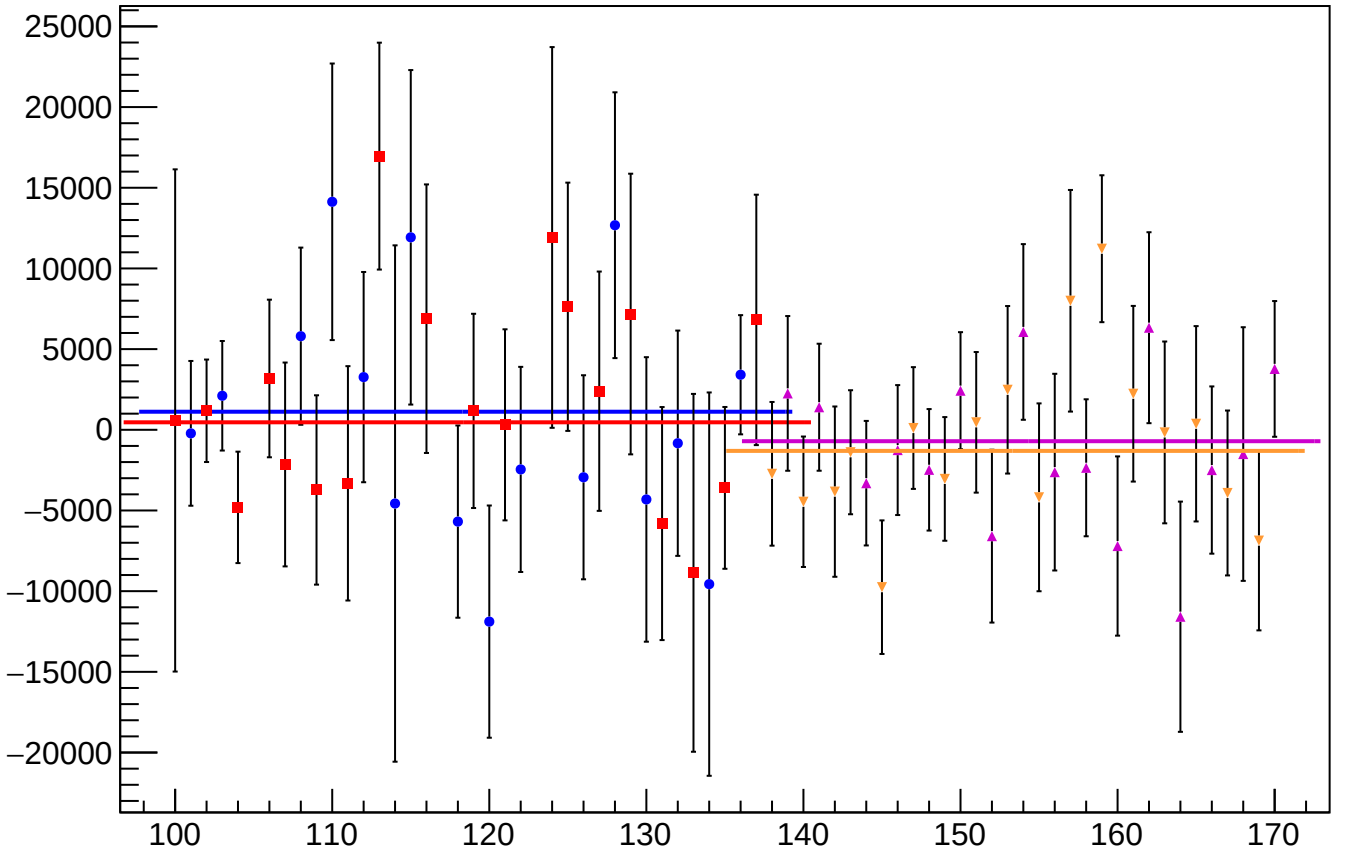
Left: 1858.438+/-0.255 χ^2/NDF: 36086.9/32

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1874.256+/-0.296 χ^2/NDF:718908.6/31

Out: 1872.676+/-0.292 χ^2/NDF:244169.9/35

All: 1873.456+/-0.208 χ^2/NDF: 963093.0/67



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1307.321+/-1144.108 χ^2/NDF:17.6/16

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -706.896+/-1174.373 χ^2/NDF:11.5/15

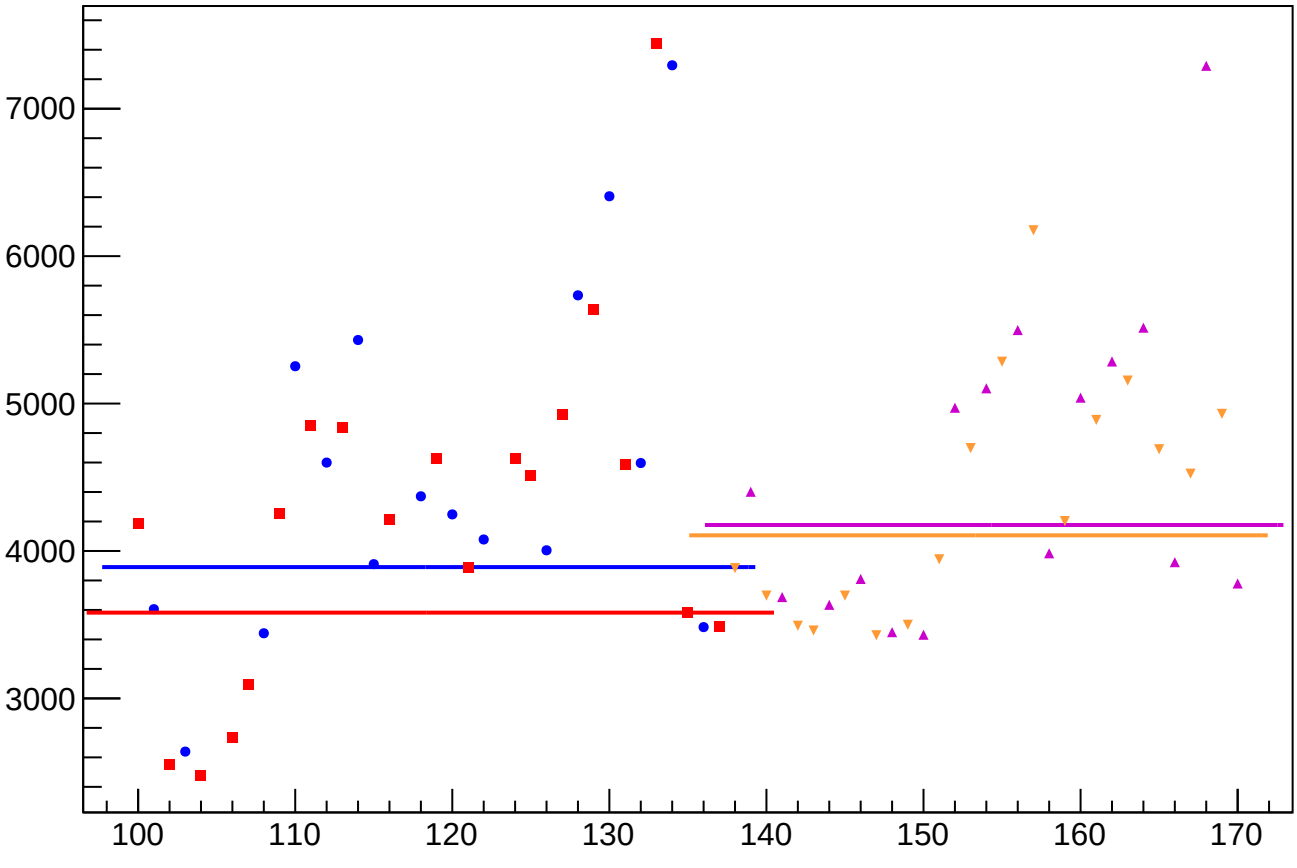
Left: -1014.945+/-819.497 χ^2/NDF: 29.2/32

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: -11.238+/-924.140 χ^2/NDF:25.9/31

Out: -579.899+/-878.373 χ^2/NDF:33.6/35

All: -309.998+/-636.668 χ^2/NDF: 59.7/67



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4106.172+/-0.809 χ^2/NDF:722978.9/16

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4176.280+/-0.830 χ^2/NDF:976037.1/15

Left: 4140.311+/-0.579 χ^2/NDF: 1702672.9/32

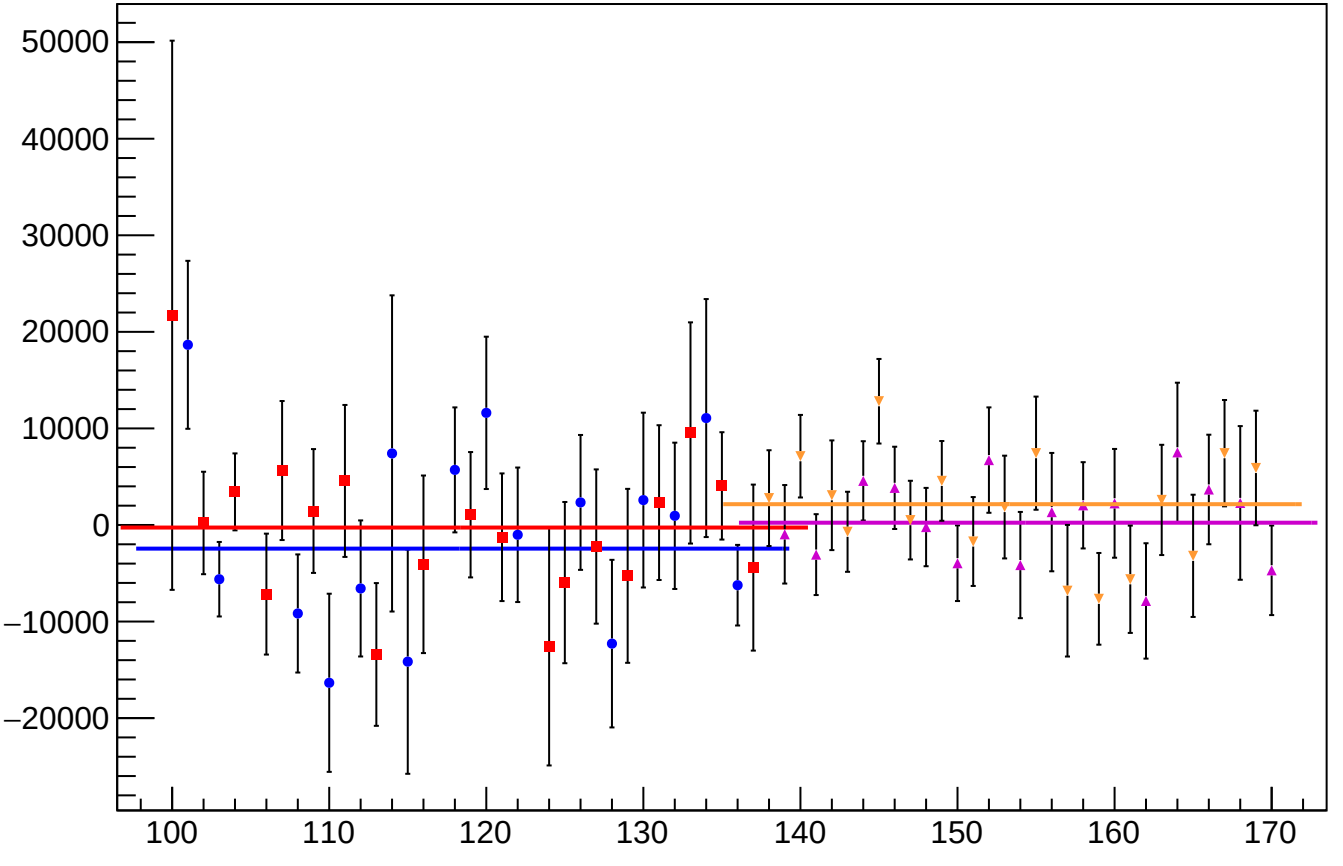
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4067.546+/-0.653 χ^2/NDF:1899476.2/31

Out: 3890.865+/-0.621 χ^2/NDF:2117334.5/35

All: 3974.723+/-0.450 χ^2/NDF: 4055217.2/67

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2153.237+/-1210.352 χ^2/NDF:19.8/16

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 235.053+/-1239.105 χ^2/NDF:10.5/15

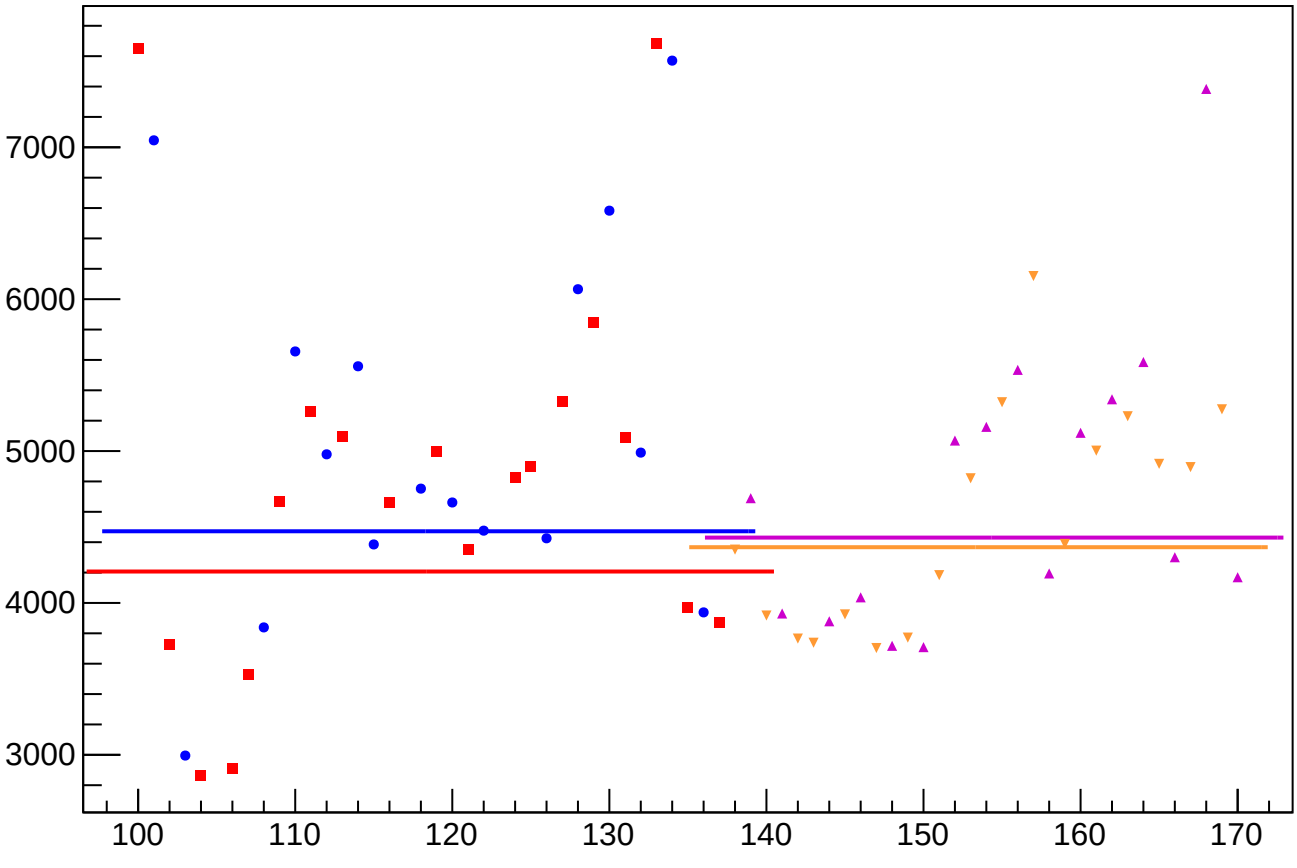
Left: 1216.658+/-865.835 χ^2/NDF: 31.5/32

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -681.965+/-1005.320 χ^2/NDF:32.9/31

Out: 1288.386+/-970.166 χ^2/NDF:31.9/35

All: 338.261+/-698.108 χ^2/NDF: 66.9/67



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4366.970+/-0.856 χ^2/NDF:565899.3/16

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4430.240+/-0.876 χ^2/NDF:760222.5/15

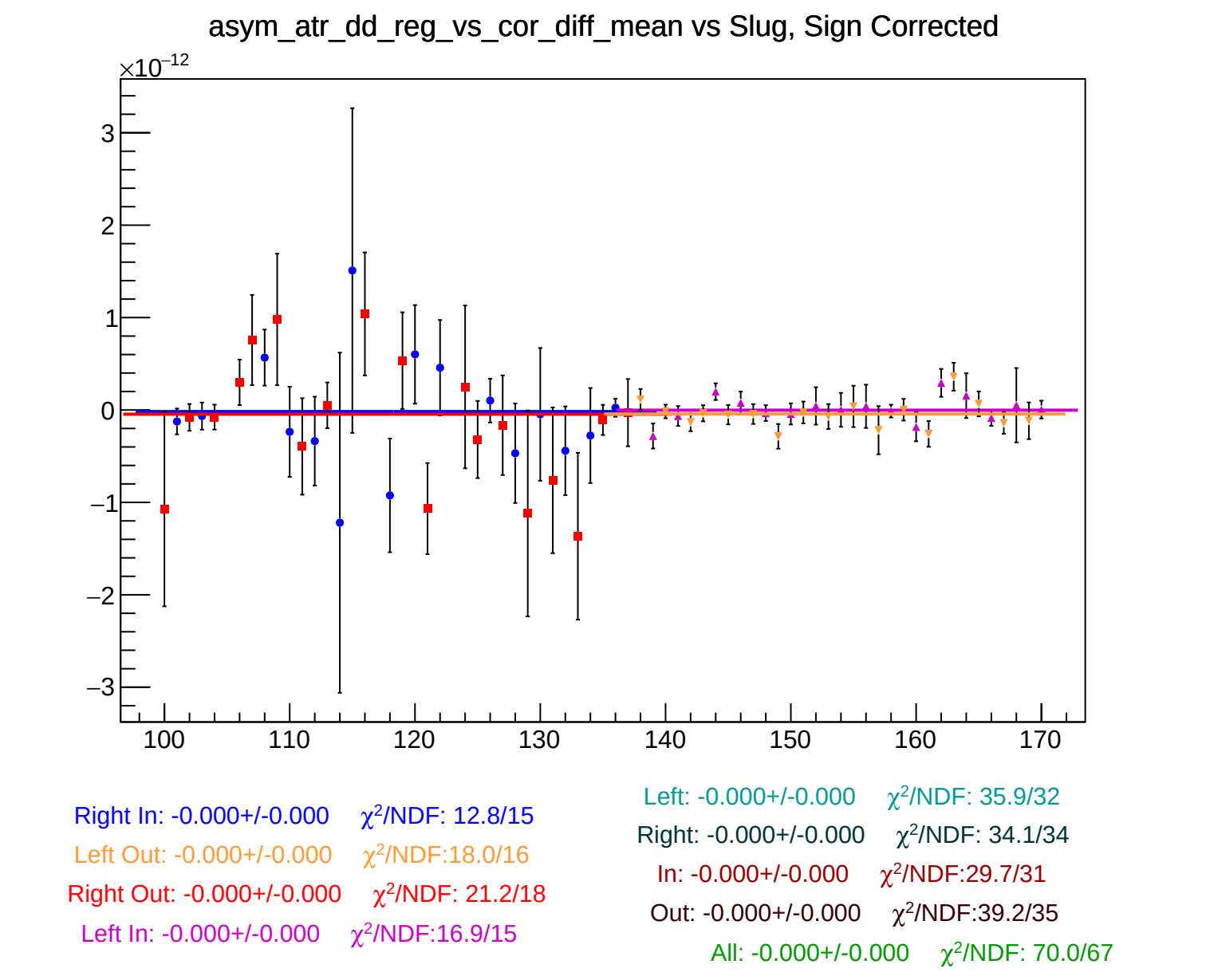
Left: 4397.862+/-0.612 χ^2/NDF: 1328790.2/32

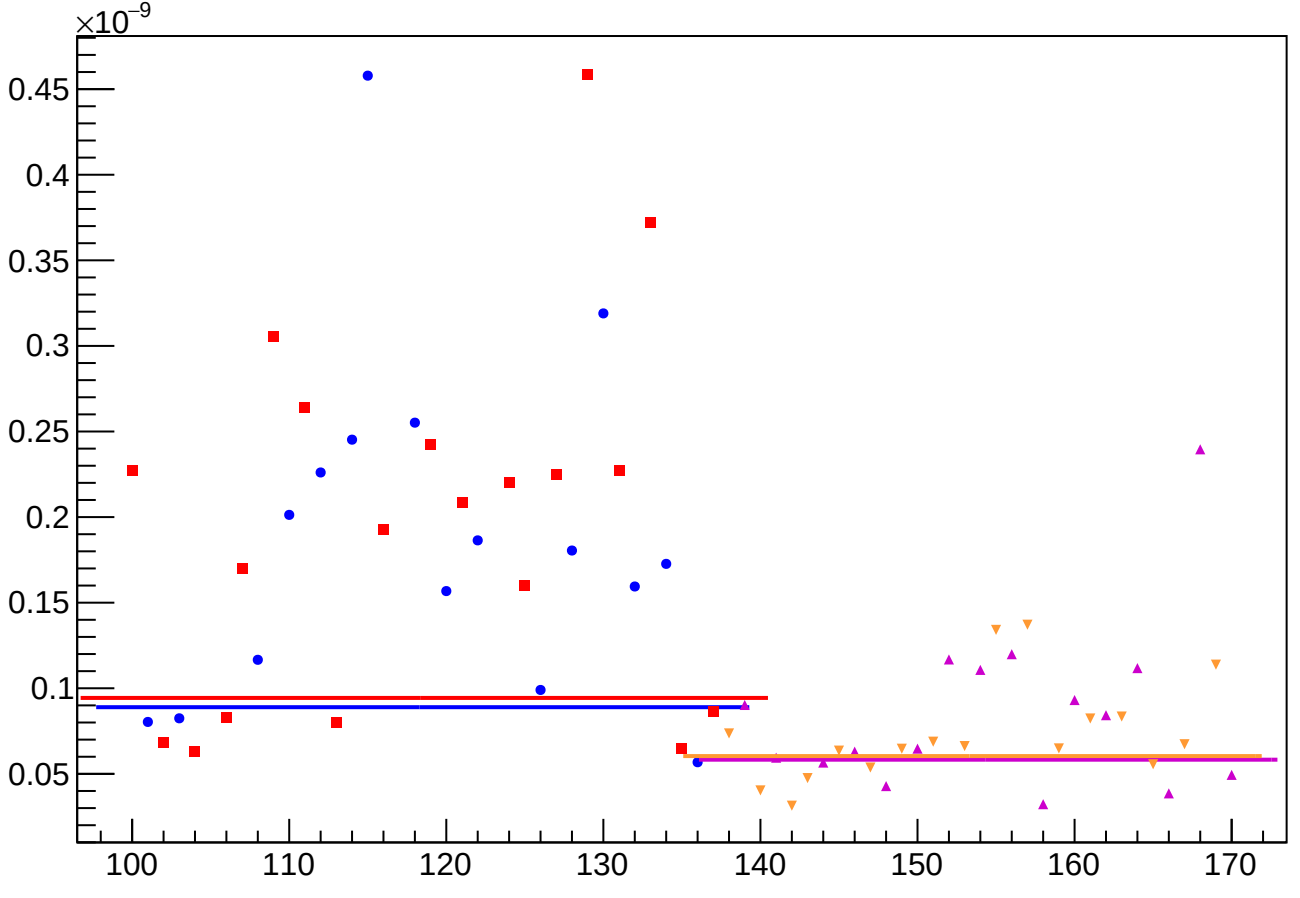
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

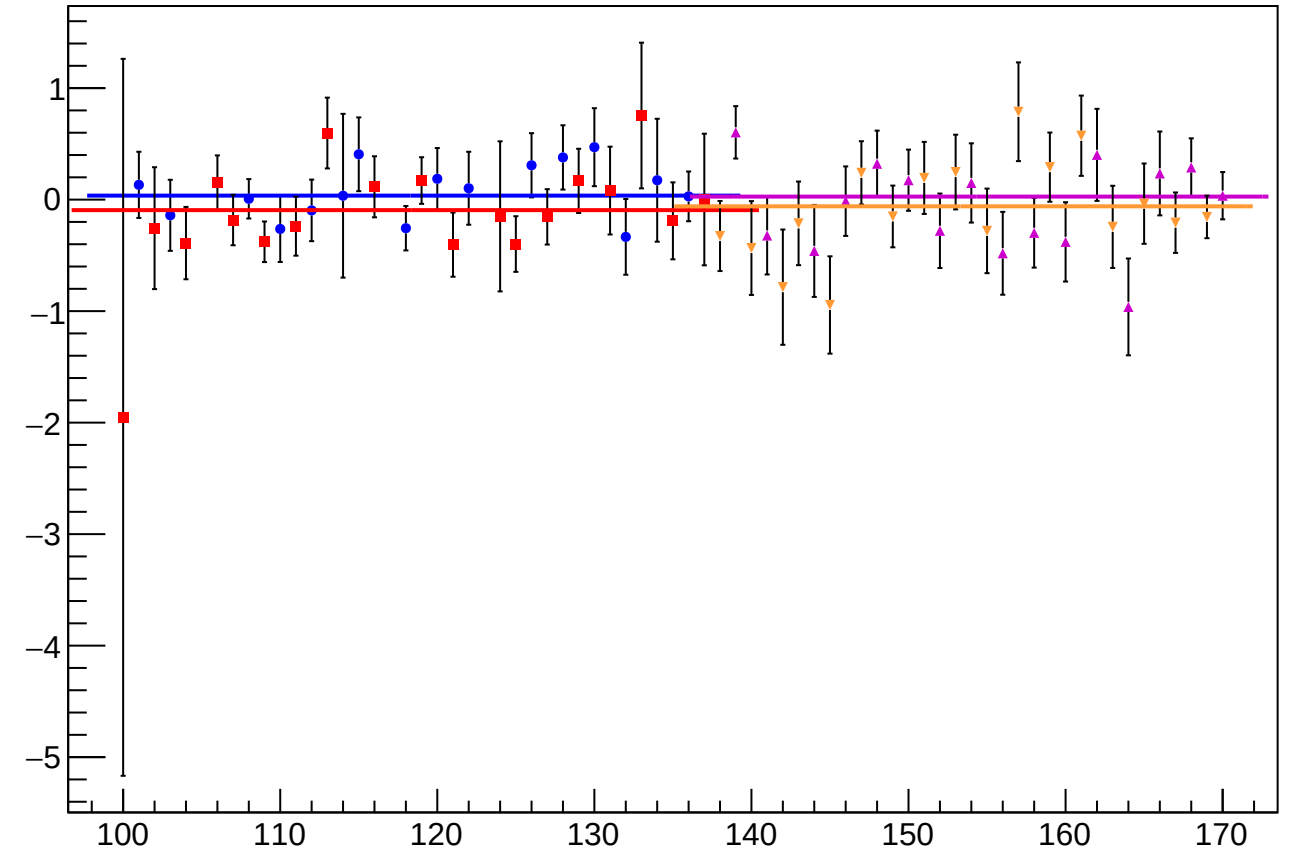
In: 4444.479+/-0.711 χ^2/NDF:1652673.7/31

Out: 4309.143+/-0.684 χ^2/NDF:1425061.1/35

All: 4374.204+/-0.493 χ^2/NDF: 3096555.3/67


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:18.0/16
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: -0.000+/-0.000 χ²/NDF:16.9/15
Left: -0.000+/-0.000 χ²/NDF: 35.9/32
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: -0.000+/-0.000 χ²/NDF:29.7/31
Out: -0.000+/-0.000 χ²/NDF:39.2/35
All: -0.000+/-0.000 χ²/NDF: 70.0/67


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1071171.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1724158.0/15
Left: 0.000+/-0.000 χ²/NDF: 2800652.4/32
Right: 0.000+/-0.000 χ²/NDF: 2932262.7/34
In: 0.000+/-0.000 χ²/NDF:3361070.0/31
Out: 0.000+/-0.000 χ²/NDF:3189302.0/35
All: 0.000+/-0.000 χ²/NDF: 6553970.6/67



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.060+/-0.079 χ^2/NDF:19.6/16

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.016+/-0.055 χ^2/NDF: 42.5/32

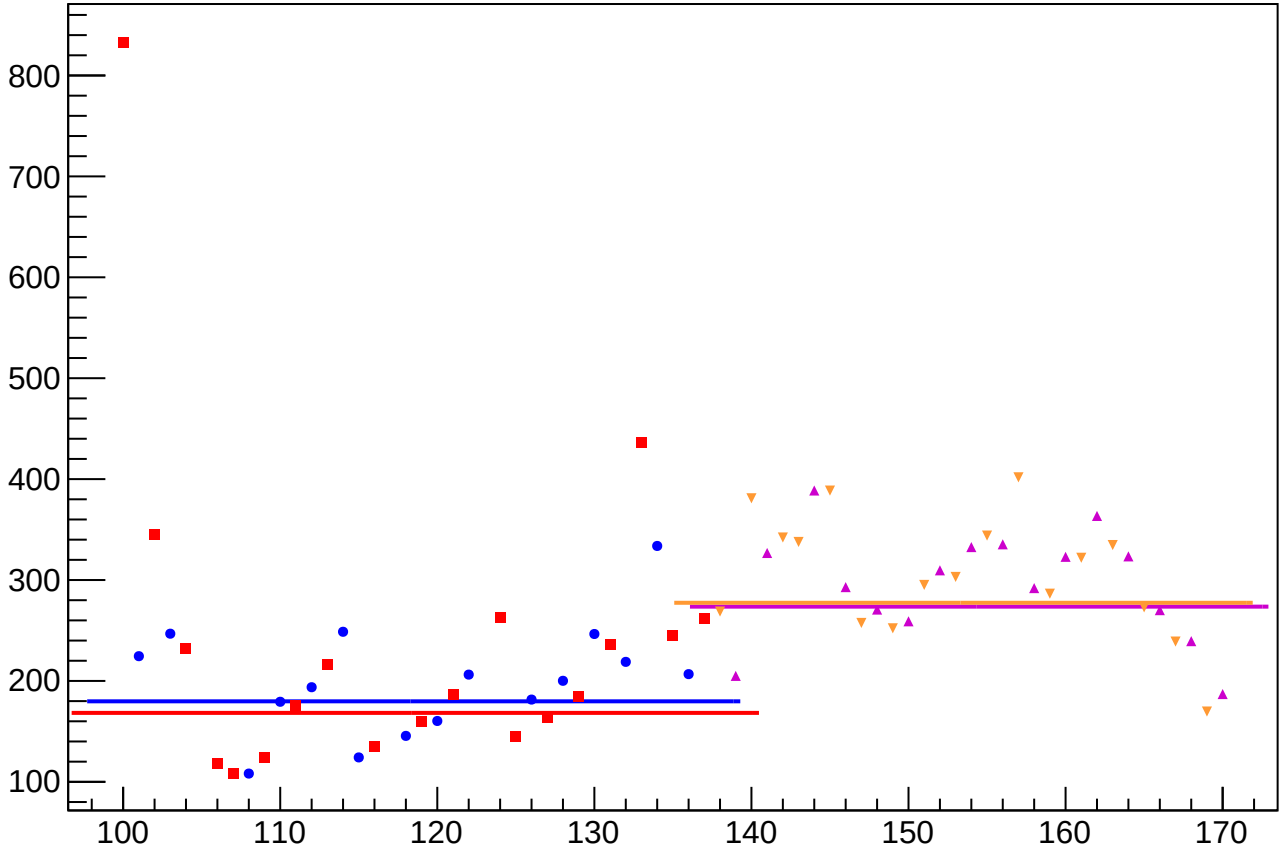
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.080+/-0.051 χ^2/NDF:37.4/35

All: -0.025+/-0.037 χ^2/NDF: 72.5/67

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 277.455+/-0.056 χ^2/NDF:1359893.5/16

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 273.625+/-0.055 χ^2/NDF:1054523.2/15

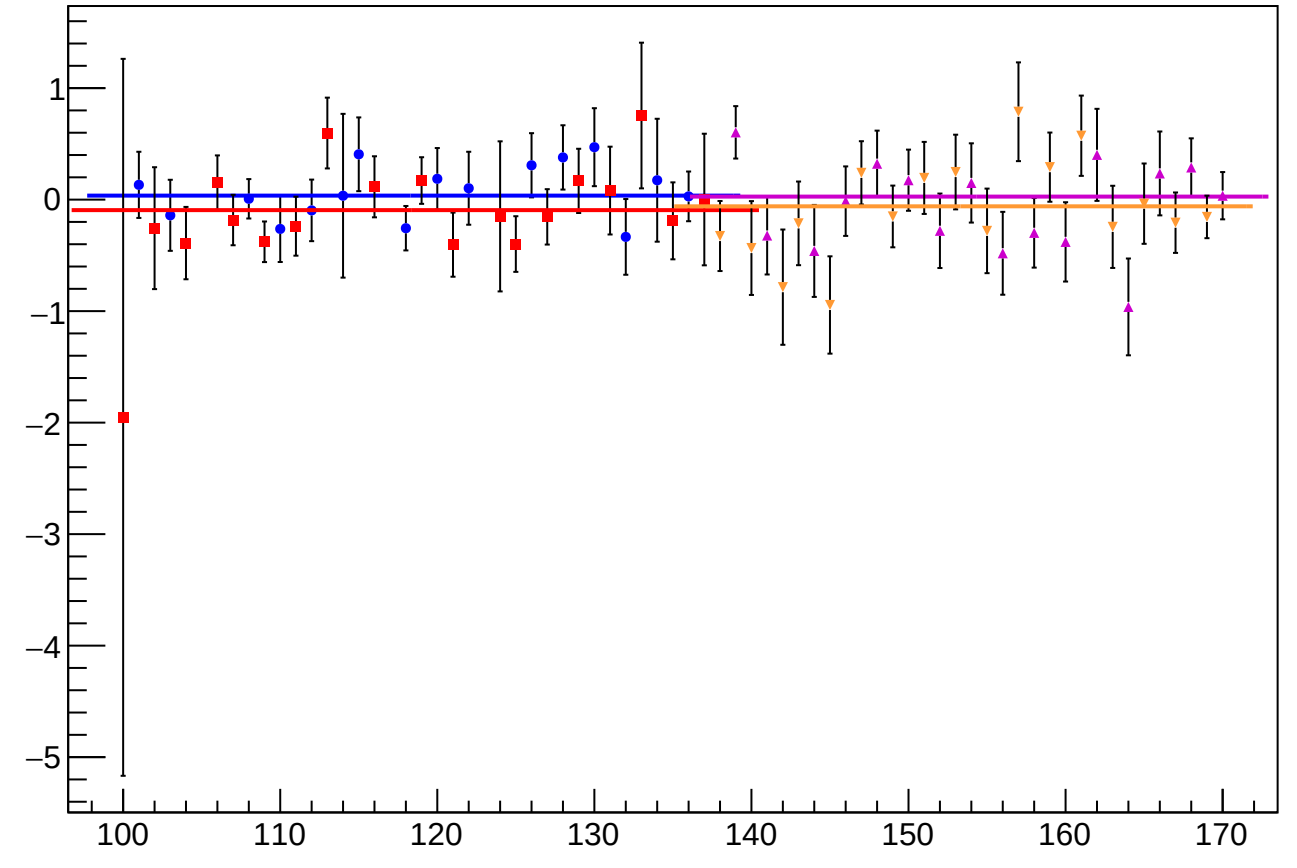
Left: 275.526+/-0.039 χ^2/NDF: 2416813.7/32

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.063+/-0.037 χ^2/NDF:3565323.0/31

Out: 214.819+/-0.036 χ^2/NDF:4986956.2/35

All: 218.365+/-0.026 χ^2/NDF: 8571850.2/67



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.060+/-0.079 χ^2/NDF:19.6/16

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.016+/-0.055 χ^2/NDF: 42.5/32

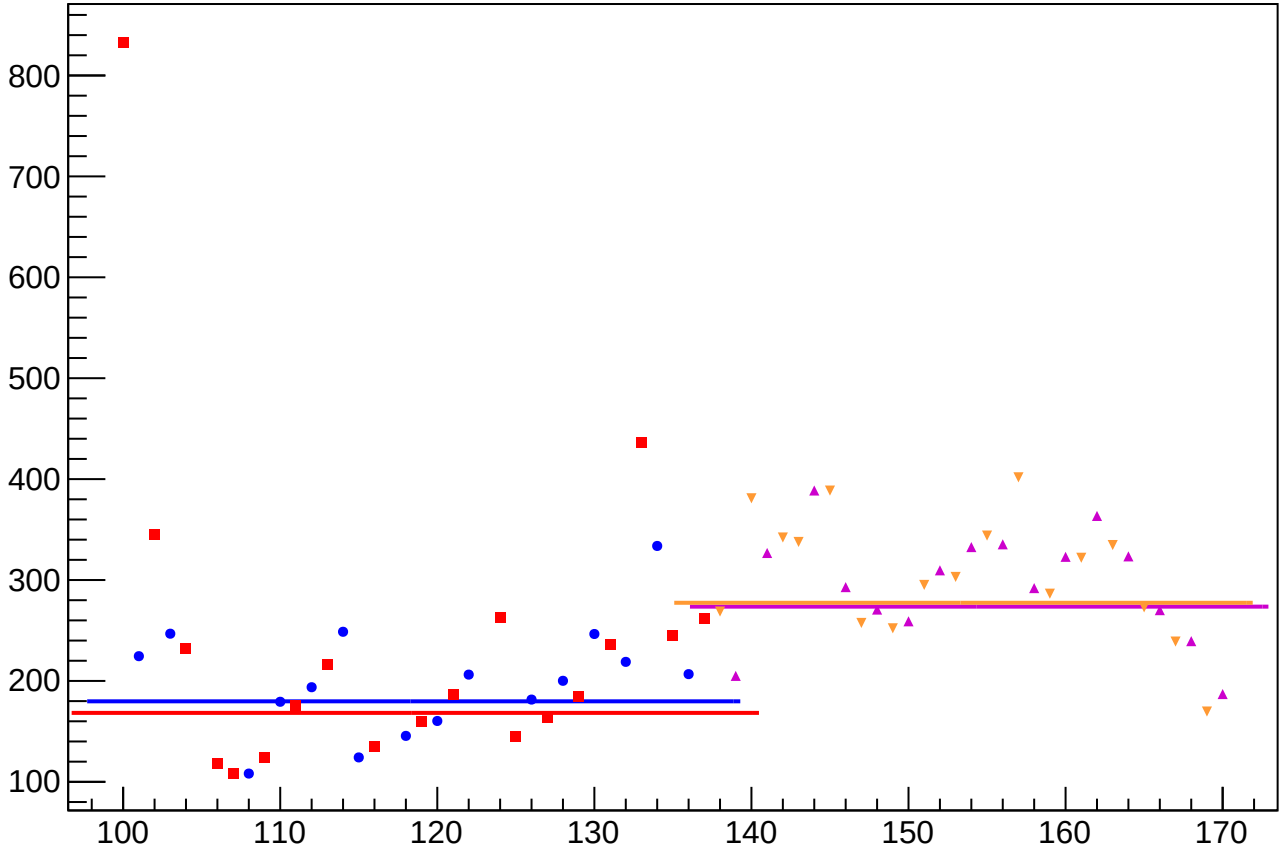
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.080+/-0.051 χ^2/NDF:37.4/35

All: -0.025+/-0.037 χ^2/NDF: 72.5/67

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 277.455+/-0.056 χ^2/NDF:1359893.5/16

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 273.625+/-0.055 χ^2/NDF:1054523.2/15

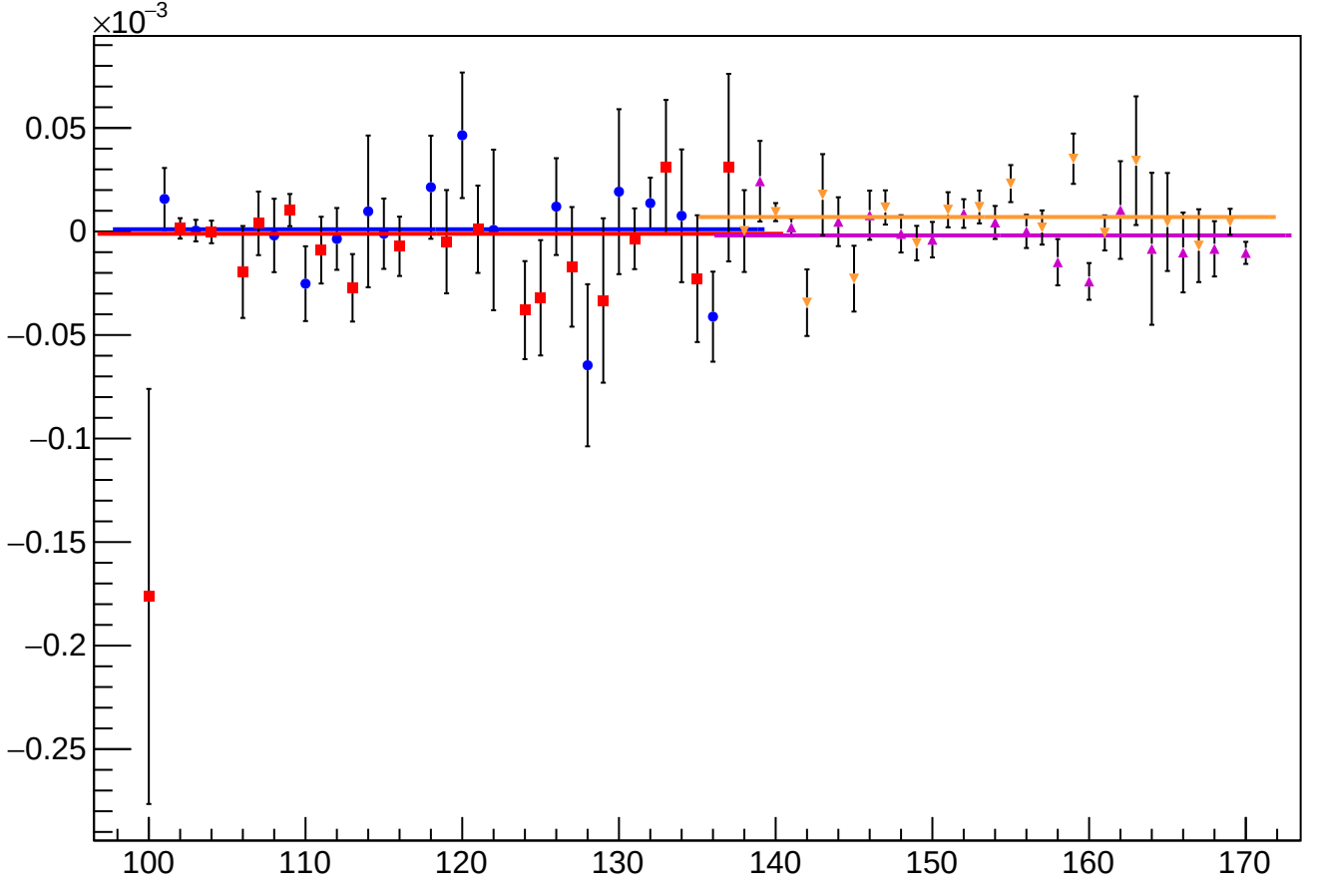
Left: 275.526+/-0.039 χ^2/NDF: 2416813.7/32

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.063+/-0.037 χ^2/NDF:3565323.0/31

Out: 214.819+/-0.036 χ^2/NDF:4986956.2/35

All: 218.365+/-0.026 χ^2/NDF: 8571850.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/16

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

Left In: -0.000+/-0.000 χ^2/NDF:17.5/15

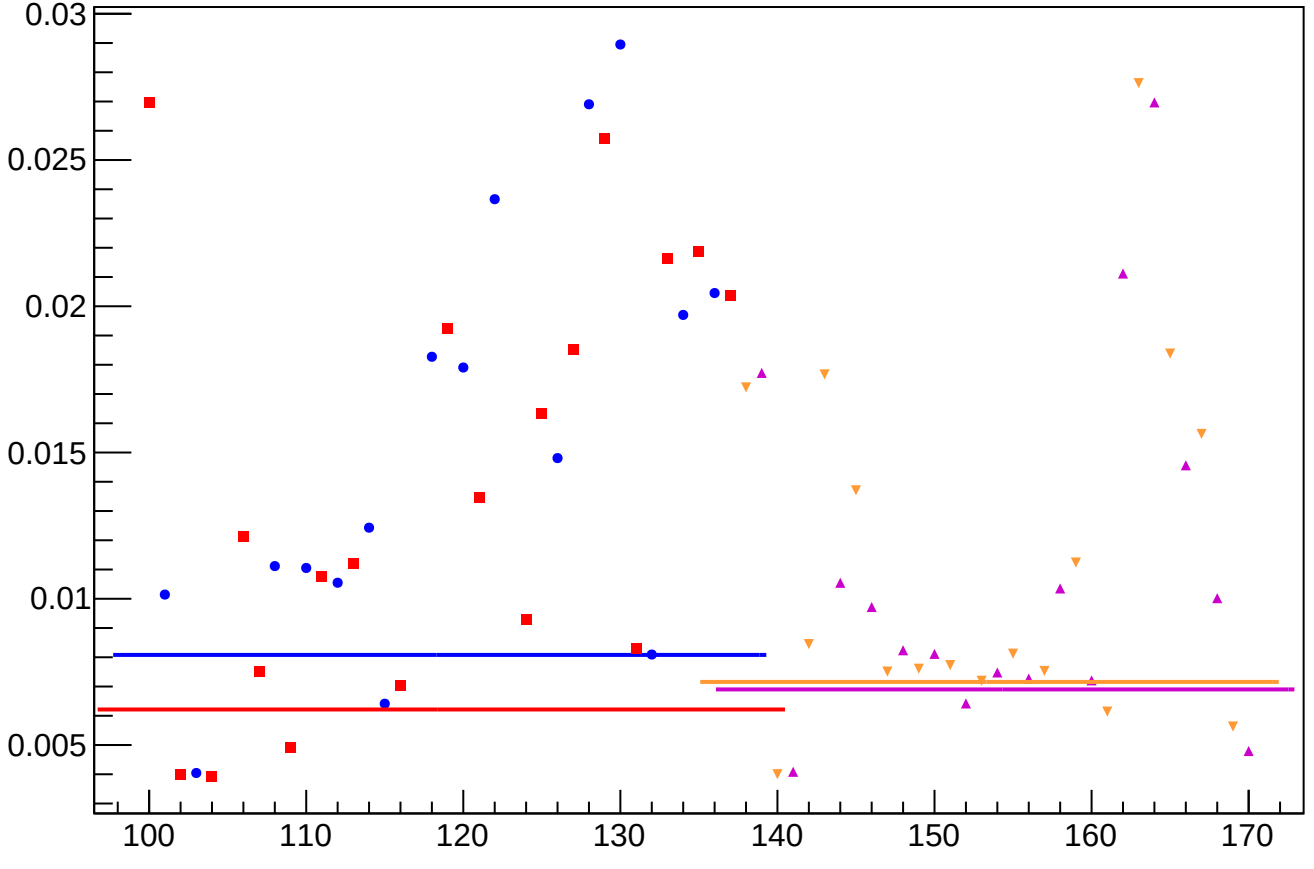
Left: 0.000+/-0.000 χ^2/NDF: 51.1/32

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:32.3/31

Out: 0.000+/-0.000 χ^2/NDF:46.4/35

All: 0.000+/-0.000 χ^2/NDF: 82.6/67



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4690868.8/16

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4121408.3/15

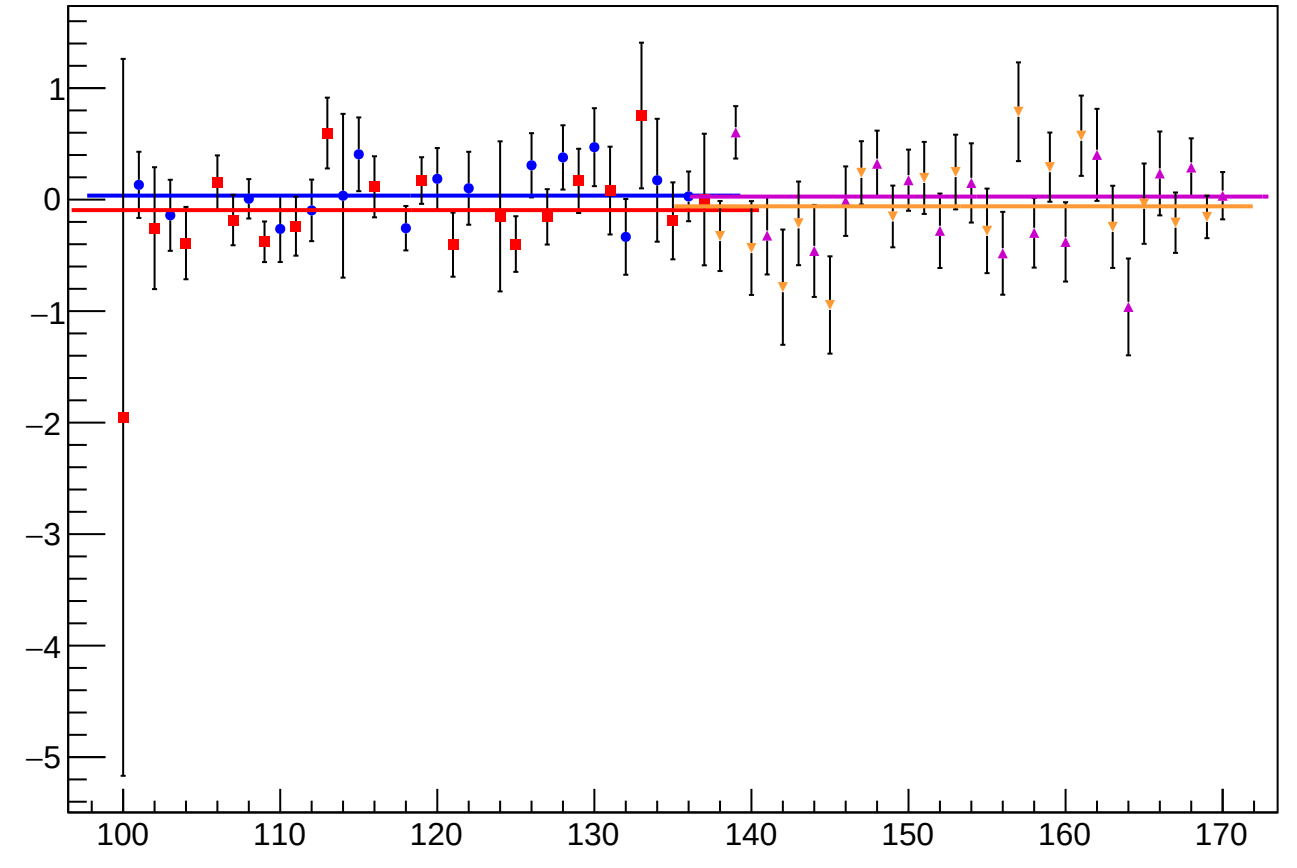
Left: 0.007+/-0.000 χ^2/NDF: 8826008.8/32

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:8685808.3/31

Out: 0.007+/-0.000 χ^2/NDF:9390113.4/35

All: 0.007+/-0.000 χ^2/NDF: 18125571.9/67



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.060+/-0.079 χ^2/NDF:19.6/16

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.016+/-0.055 χ^2/NDF: 42.5/32

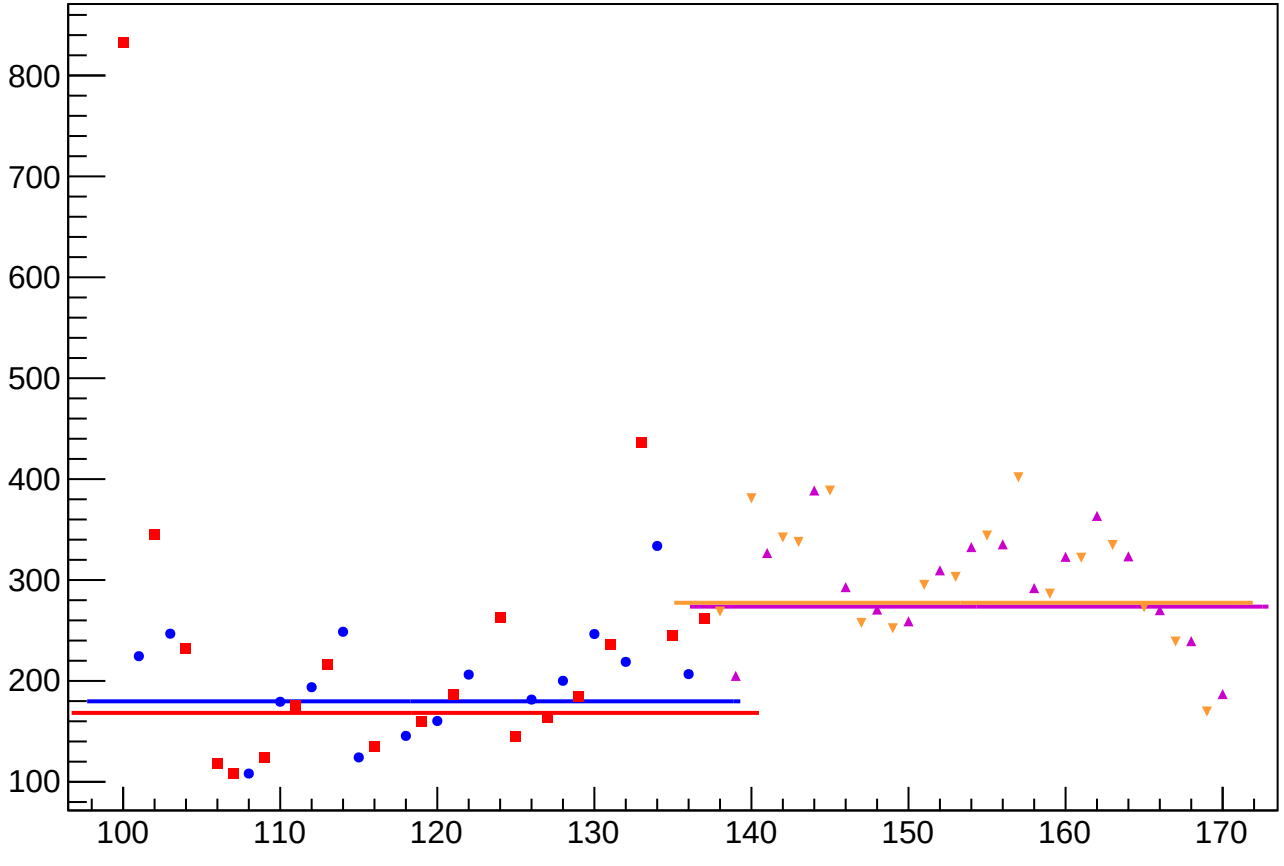
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.080+/-0.051 χ^2/NDF:37.4/35

All: -0.025+/-0.037 χ^2/NDF: 72.5/67

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 277.458+/-0.056 χ^2/NDF:1359967.5/16

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 273.629+/-0.055 χ^2/NDF:1054538.2/15

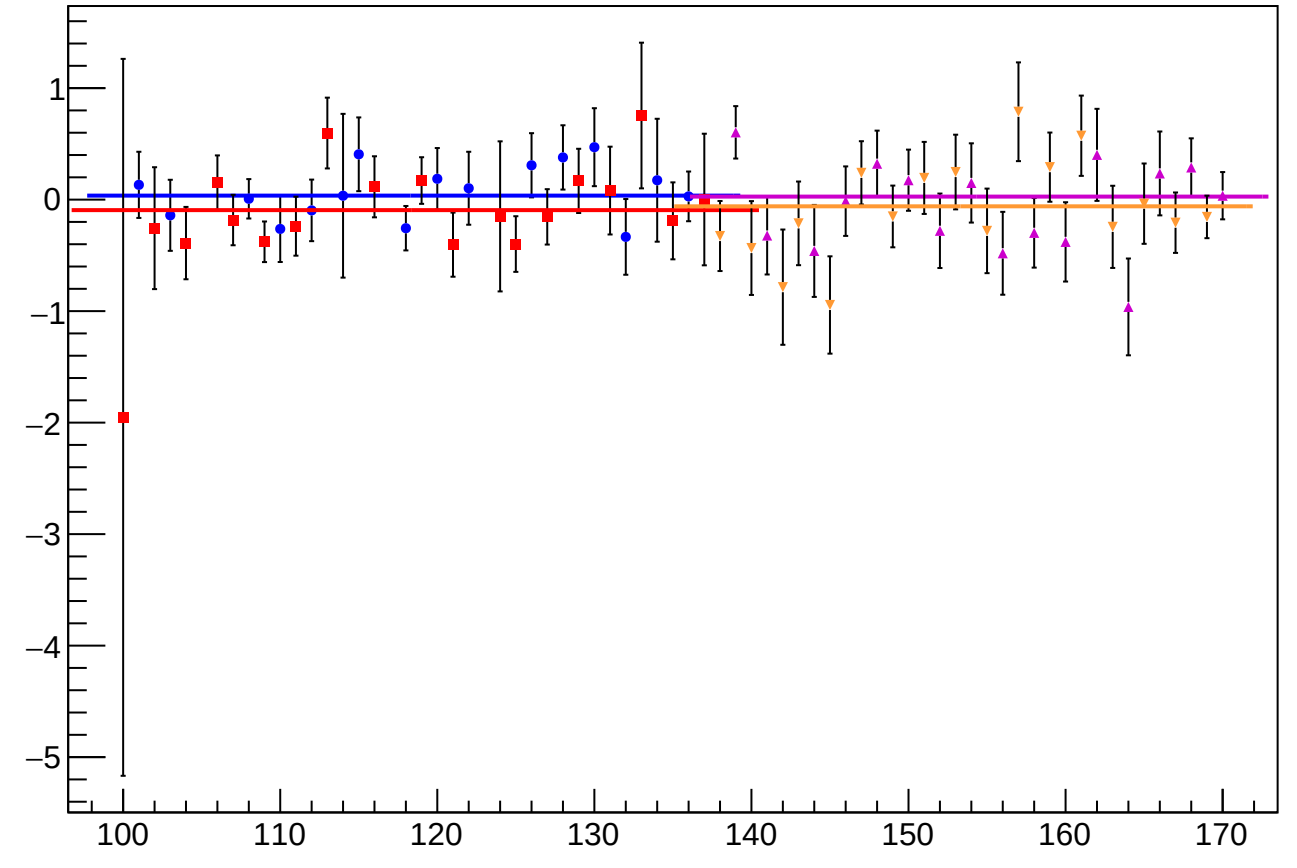
Left: 275.530+/-0.039 χ^2/NDF: 2416901.4/32

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.062+/-0.037 χ^2/NDF:3565595.3/31

Out: 214.819+/-0.036 χ^2/NDF:4987125.6/35

All: 218.365+/-0.026 χ^2/NDF: 8572284.3/67



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.060+/-0.079 χ^2/NDF:19.6/16

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.016+/-0.055 χ^2/NDF: 42.5/32

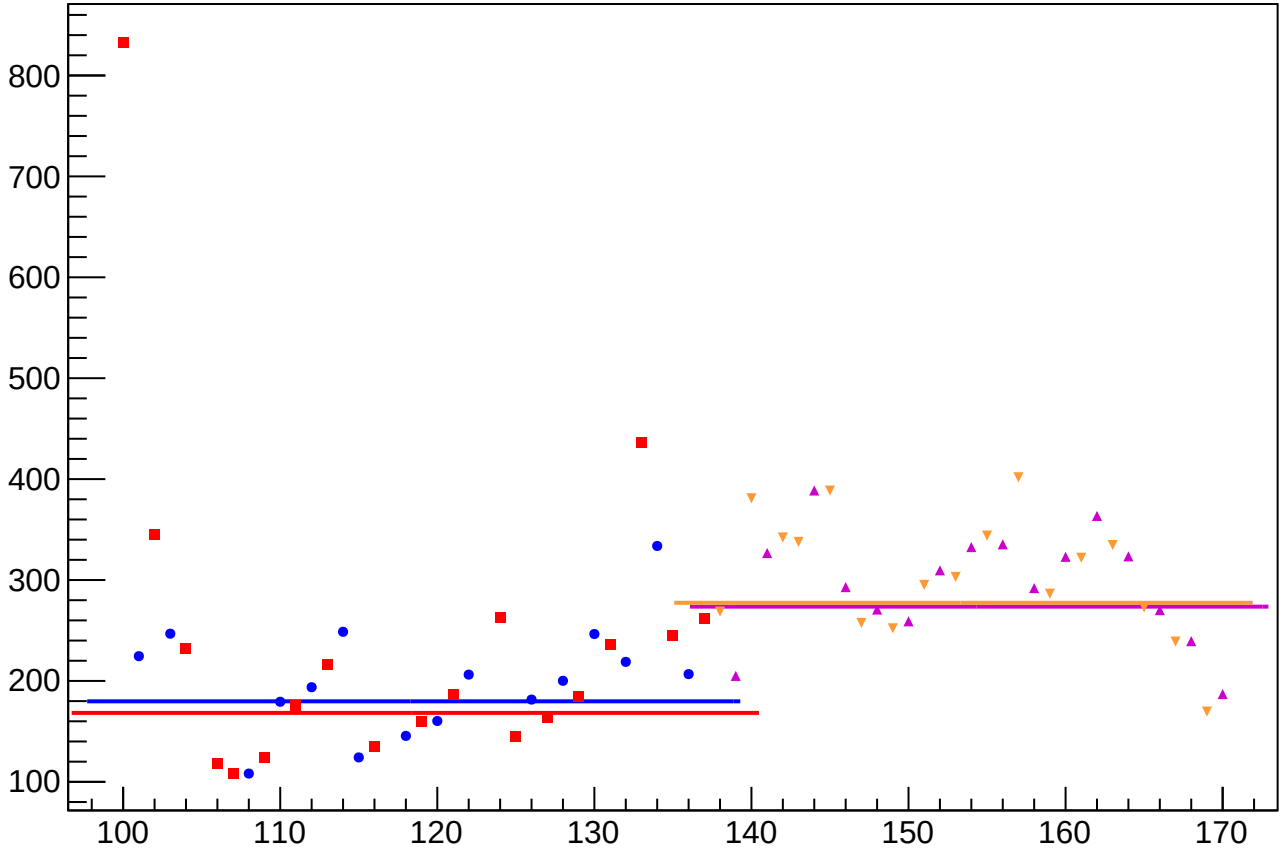
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.080+/-0.051 χ^2/NDF:37.4/35

All: -0.025+/-0.037 χ^2/NDF: 72.5/67

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: 277.458+/-0.056 χ^2/NDF:1359967.5/16

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 273.629+/-0.055 χ^2/NDF:1054538.2/15

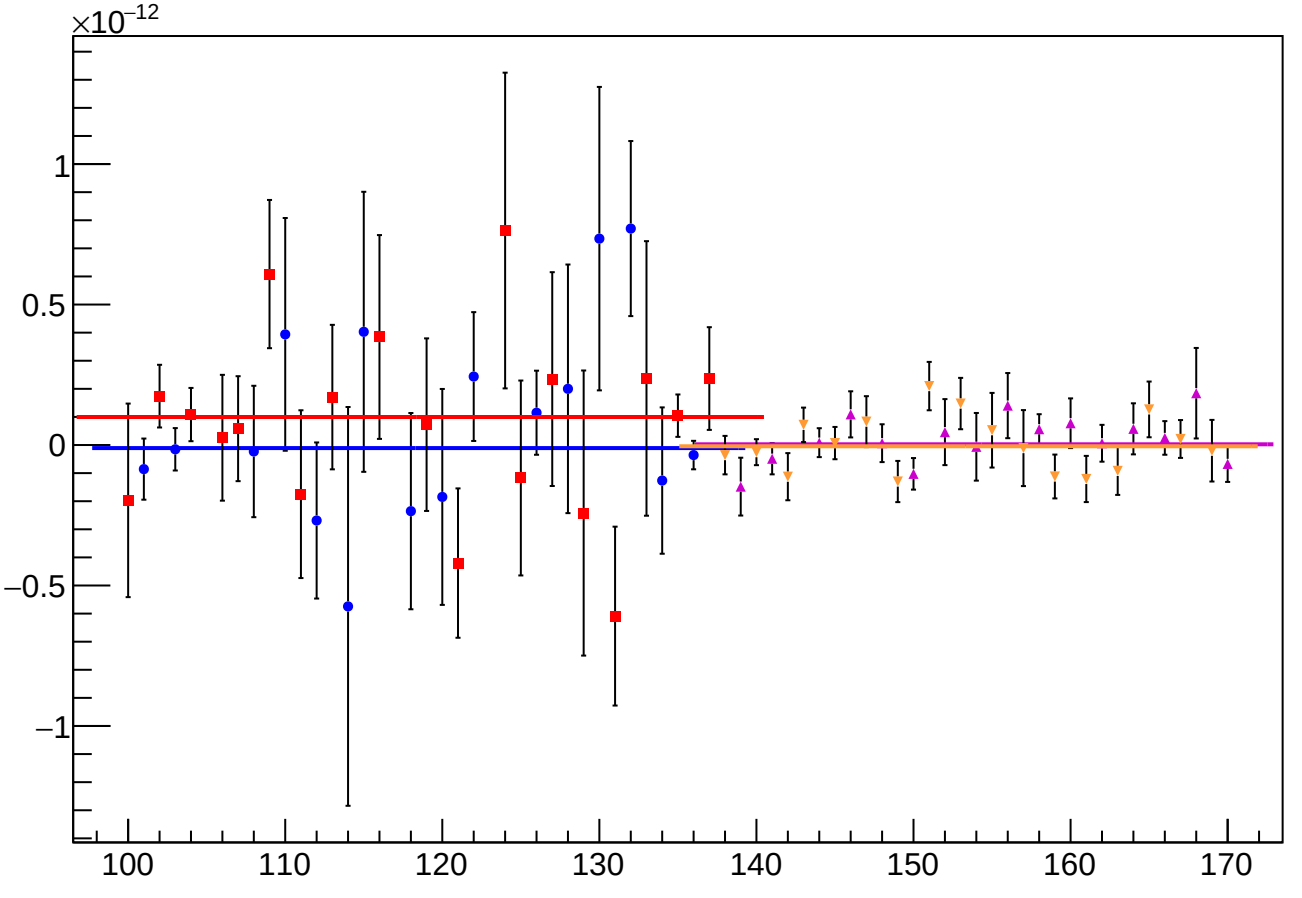
Left: 275.530+/-0.039 χ^2/NDF: 2416901.4/32

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.062+/-0.037 χ^2/NDF:3565595.3/31

Out: 214.819+/-0.036 χ^2/NDF:4987125.6/35

All: 218.365+/-0.026 χ^2/NDF: 8572284.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/15

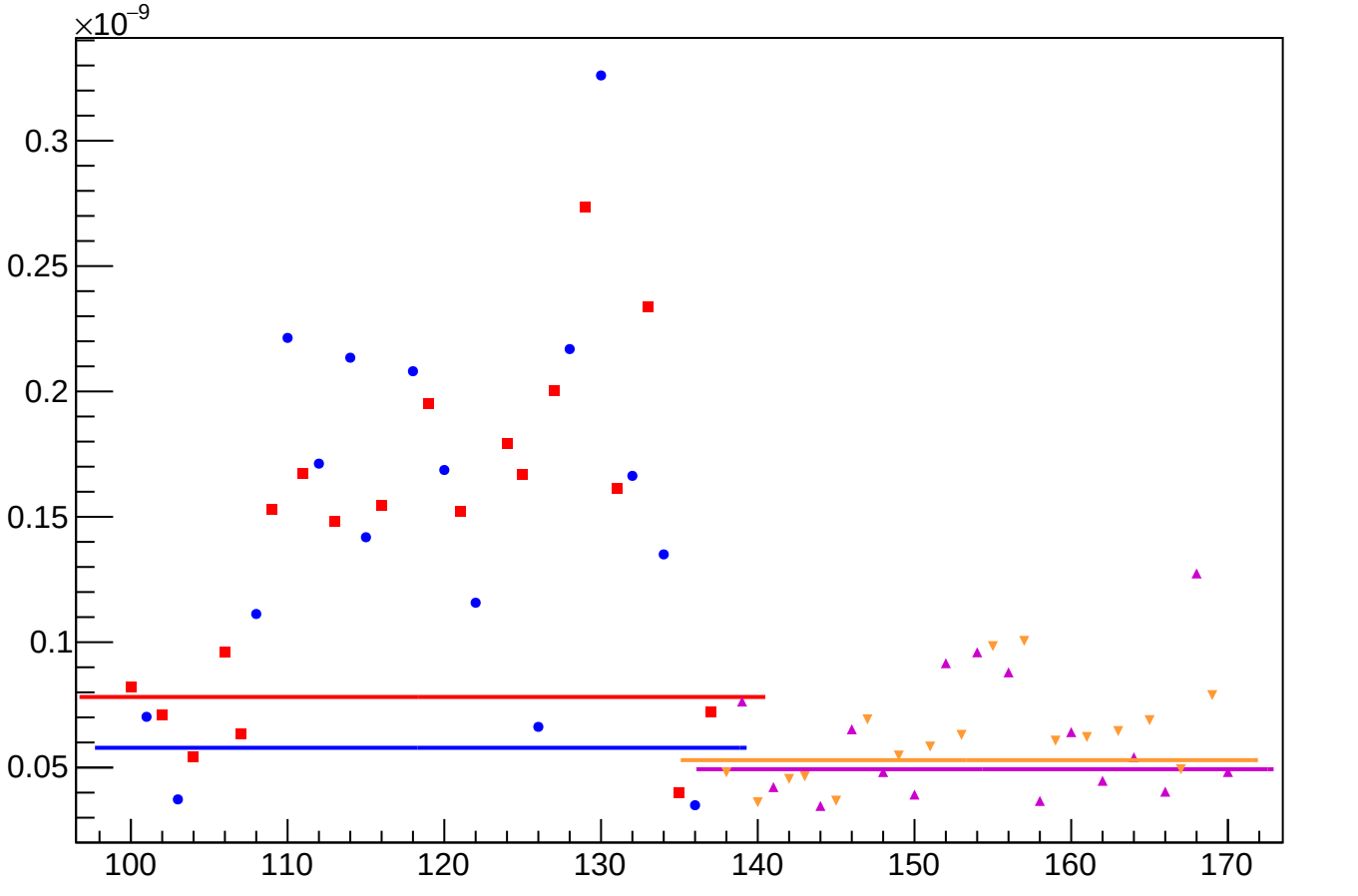
Left: -0.000+/-0.000 χ^2/NDF: 38.1/32

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:29.6/31

Out: 0.000+/-0.000 χ^2/NDF:47.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1300775.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1953469.0/15

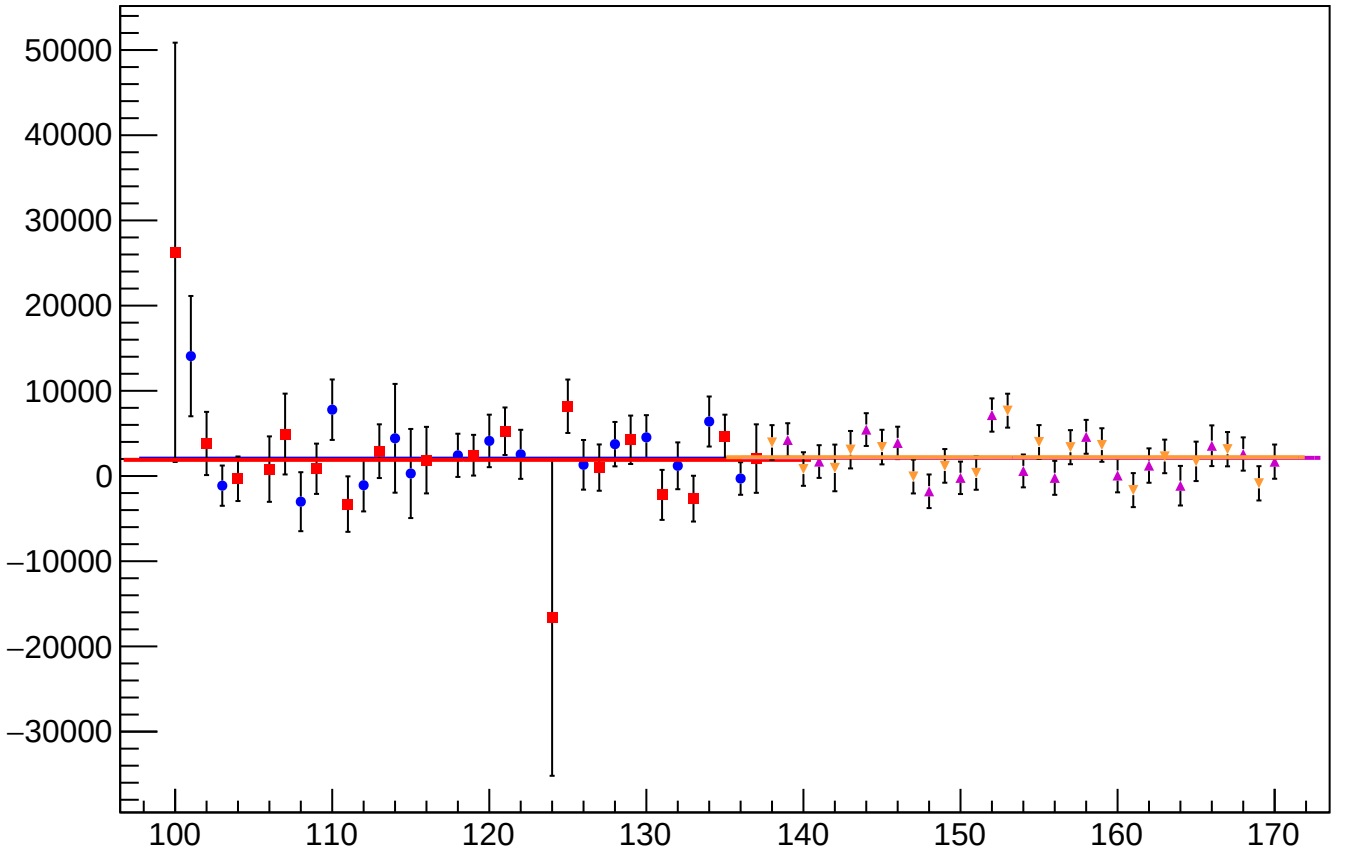
Left: 0.000+/-0.000 χ^2/NDF: 3293826.4/32

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5369822.1/31

Out: 0.000+/-0.000 χ^2/NDF:4632054.5/35

All: 0.000+/-0.000 χ^2/NDF: 10131665.3/67



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2203.969+/-496.898 χ^2/NDF:19.9/16

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2130.315+/-498.950 χ^2/NDF:24.4/15

Left: 2167.293+/-352.083 χ^2/NDF: 44.3/32

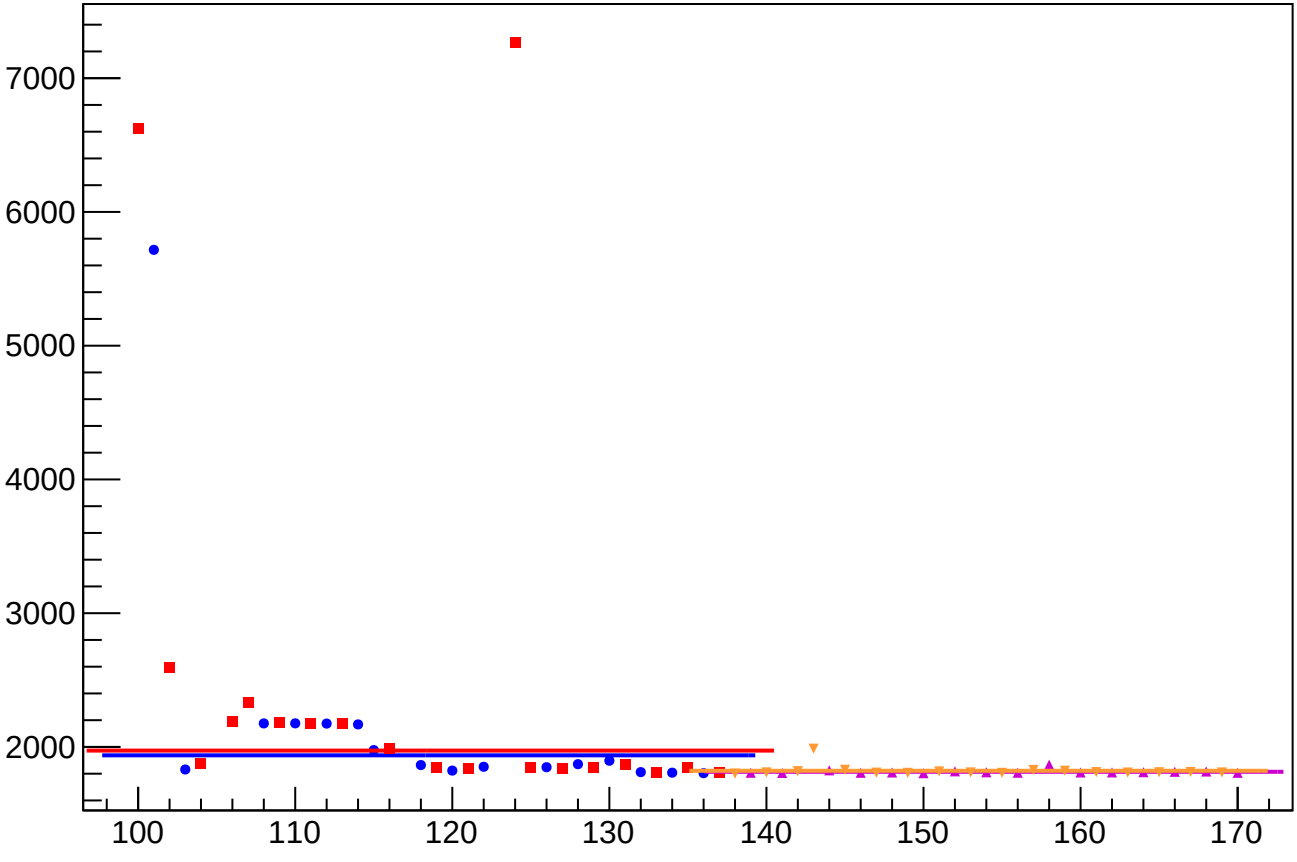
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2101.640+/-413.031 χ^2/NDF:40.9/31

Out: 2107.445+/-411.961 χ^2/NDF:38.5/35

All: 2104.550+/-291.678 χ^2/NDF: 79.4/67

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1821.748+/-0.351 χ^2/NDF:12351.6/16

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

Left: 1818.004+/-0.249 χ^2/NDF: 14332.0/32

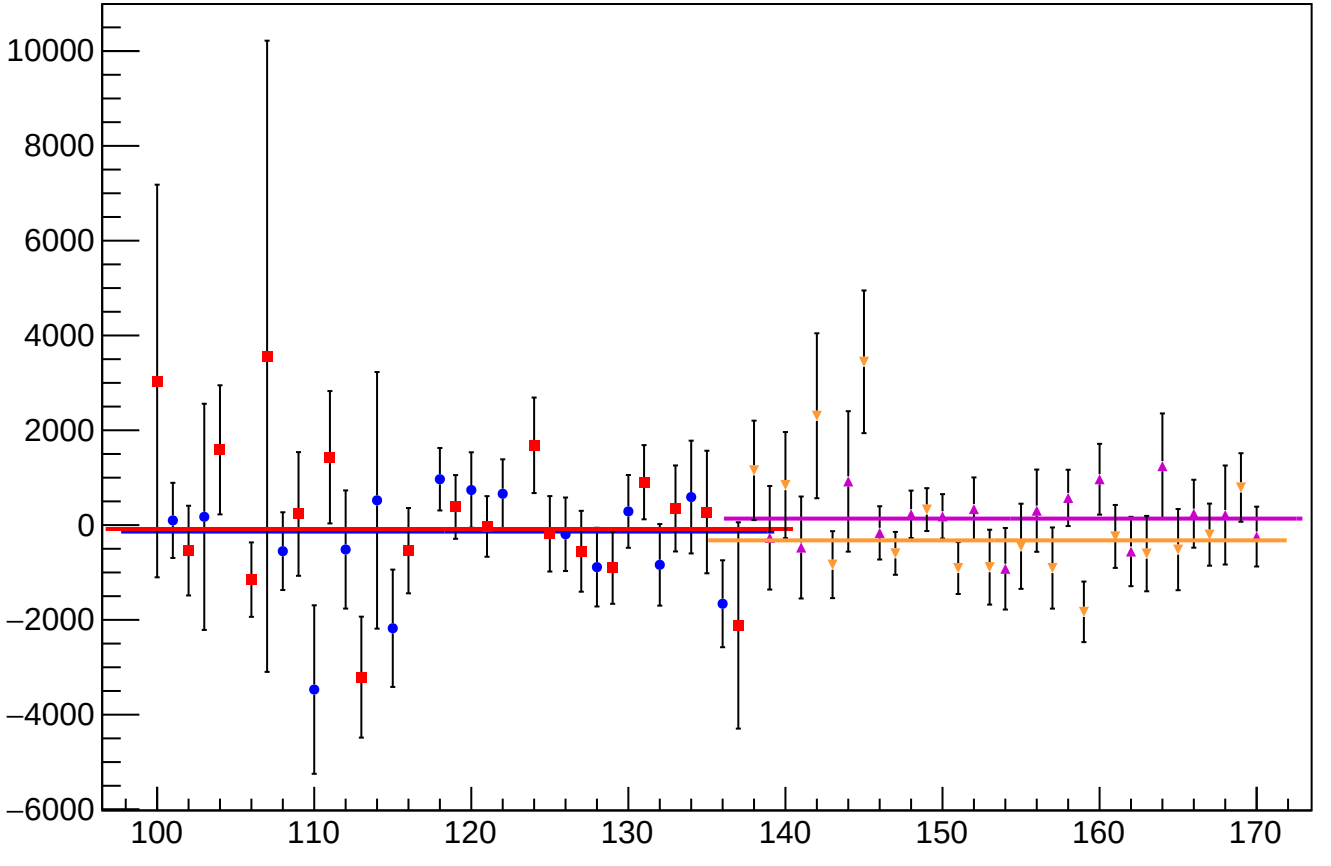
Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1852.949+/-0.292 χ^2/NDF:678114.1/31

Out: 1868.962+/-0.291 χ^2/NDF:447641.8/35

All: 1860.977+/-0.206 χ^2/NDF: 1127262.9/67

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -322.492+/-172.239 χ^2/NDF:24.9/16

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 136.618+/-178.209 χ^2/NDF:6.8/15

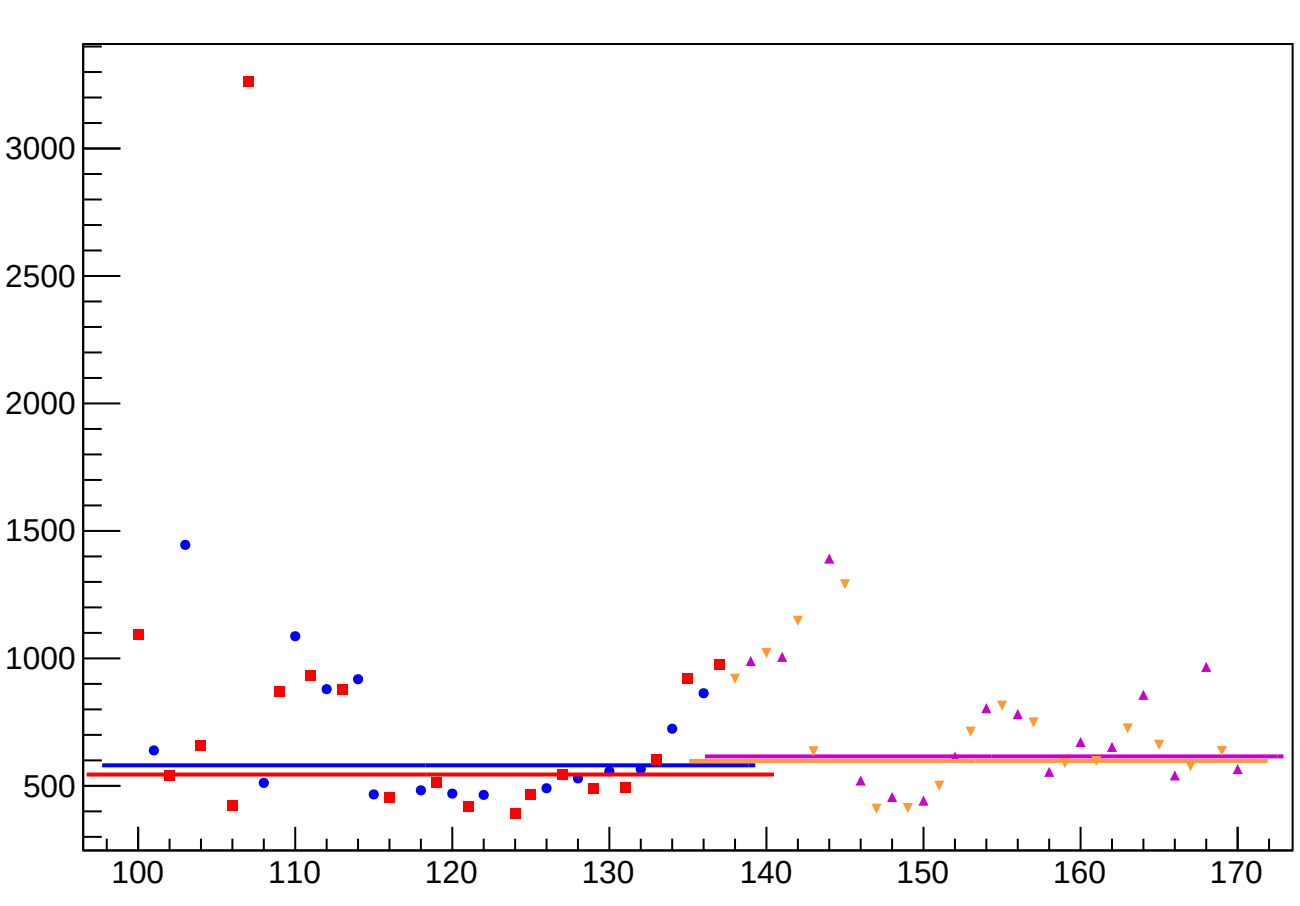
Left: -100.756+/-123.848 χ^2/NDF: 35.1/32

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 34.347+/-140.970 χ^2/NDF:24.5/31

Out: -232.245+/-136.089 χ^2/NDF:45.4/35

All: -103.645+/-97.909 χ^2/NDF: 71.7/67



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 597.895+/-0.122 χ^2/NDF:2136073.2/16

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 615.612+/-0.126 χ^2/NDF:2142366.2/15

Left: 606.452+/-0.088 χ^2/NDF: 4288659.3/32

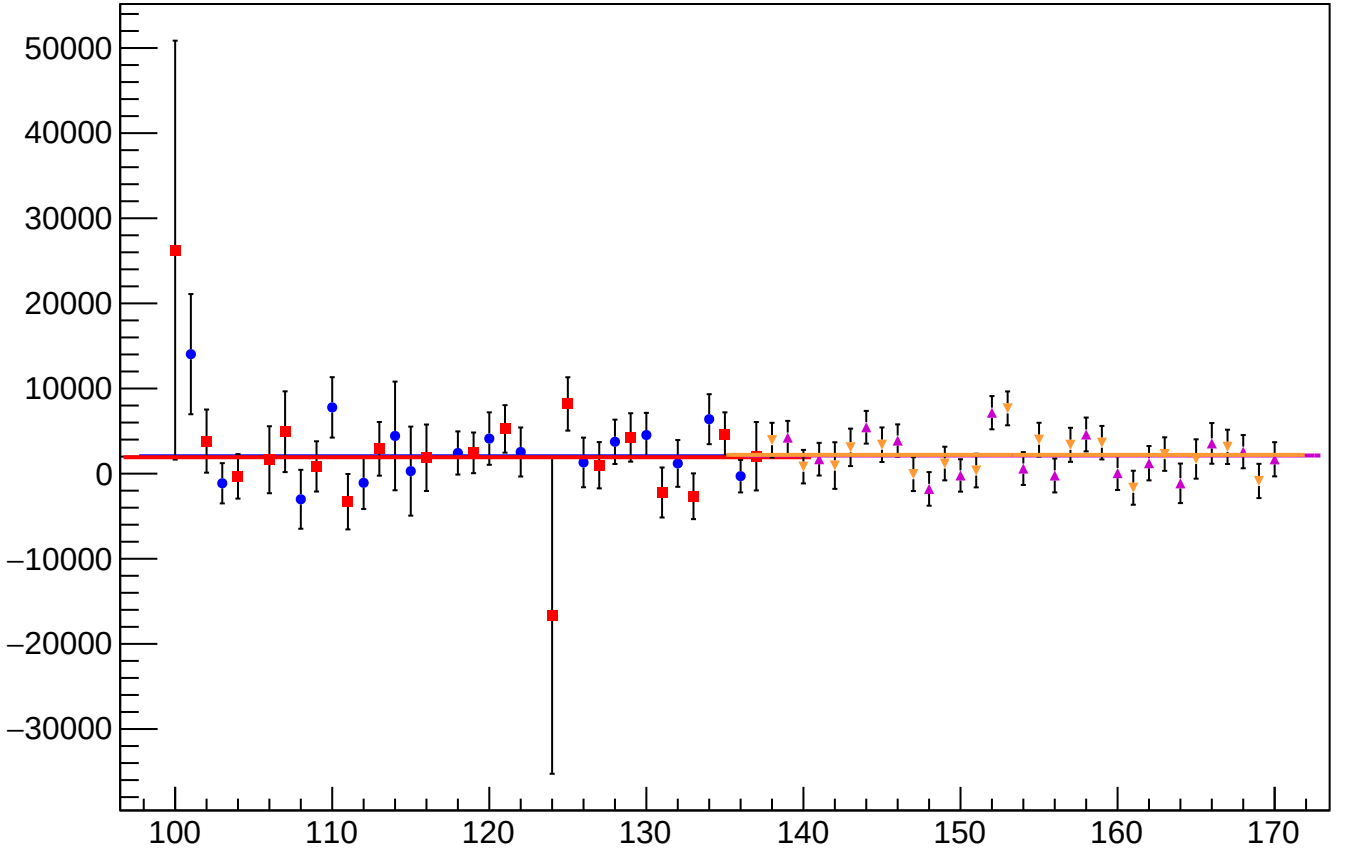
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 602.512+/-0.100 χ^2/NDF:3174650.9/31

Out: 577.845+/-0.096 χ^2/NDF:3495850.6/35

All: 589.744+/-0.069 χ^2/NDF: 6702199.1/67

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2203.926+/-496.898 χ^2/NDF:19.9/16

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2130.364+/-498.950 χ^2/NDF:24.4/15

Left: 2167.296+/-352.083 χ^2/NDF: 44.3/32

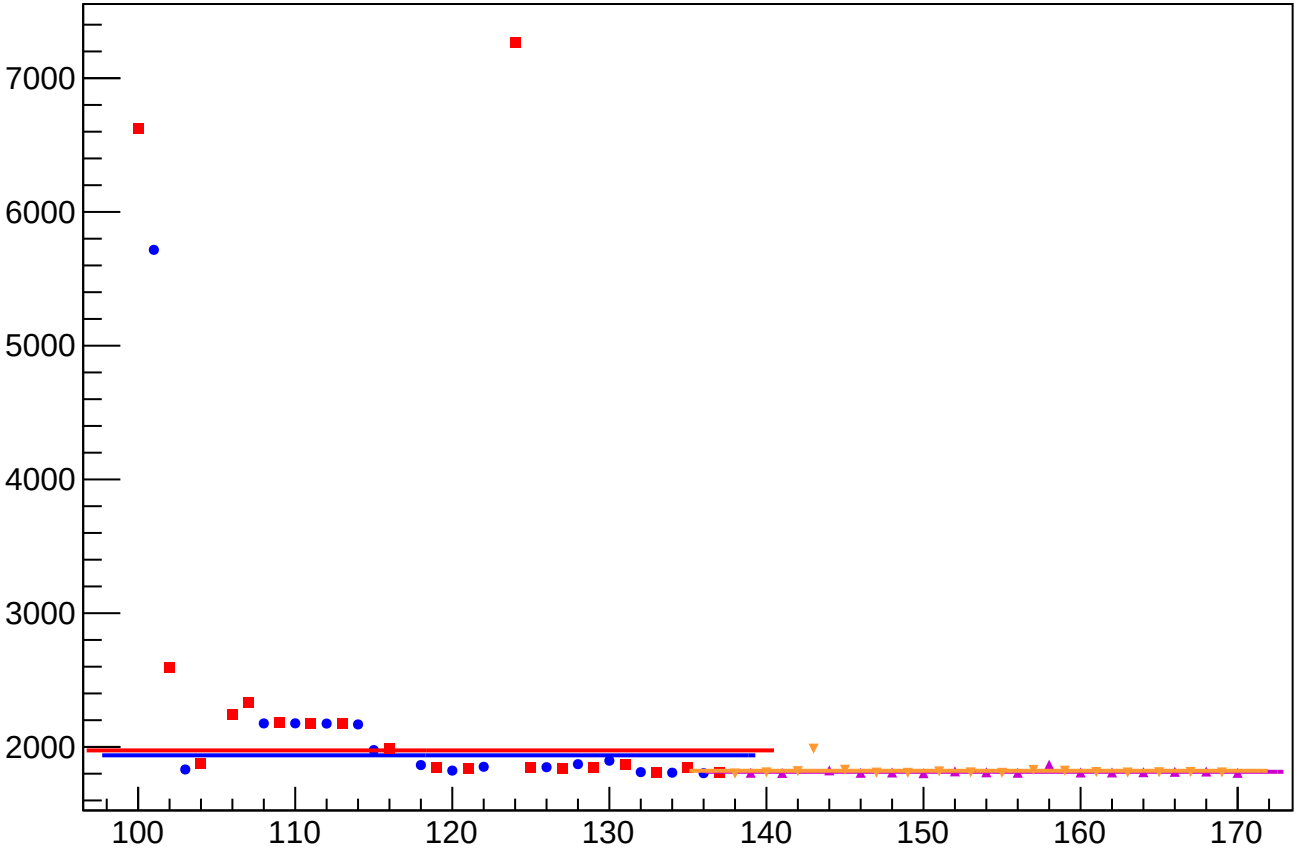
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2101.557+/-413.031 χ^2/NDF:40.8/31

Out: 2117.220+/-412.074 χ^2/NDF:38.4/35

All: 2109.407+/-291.718 χ^2/NDF: 79.3/67

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1821.749+/-0.351 χ^2/NDF:12351.6/16

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

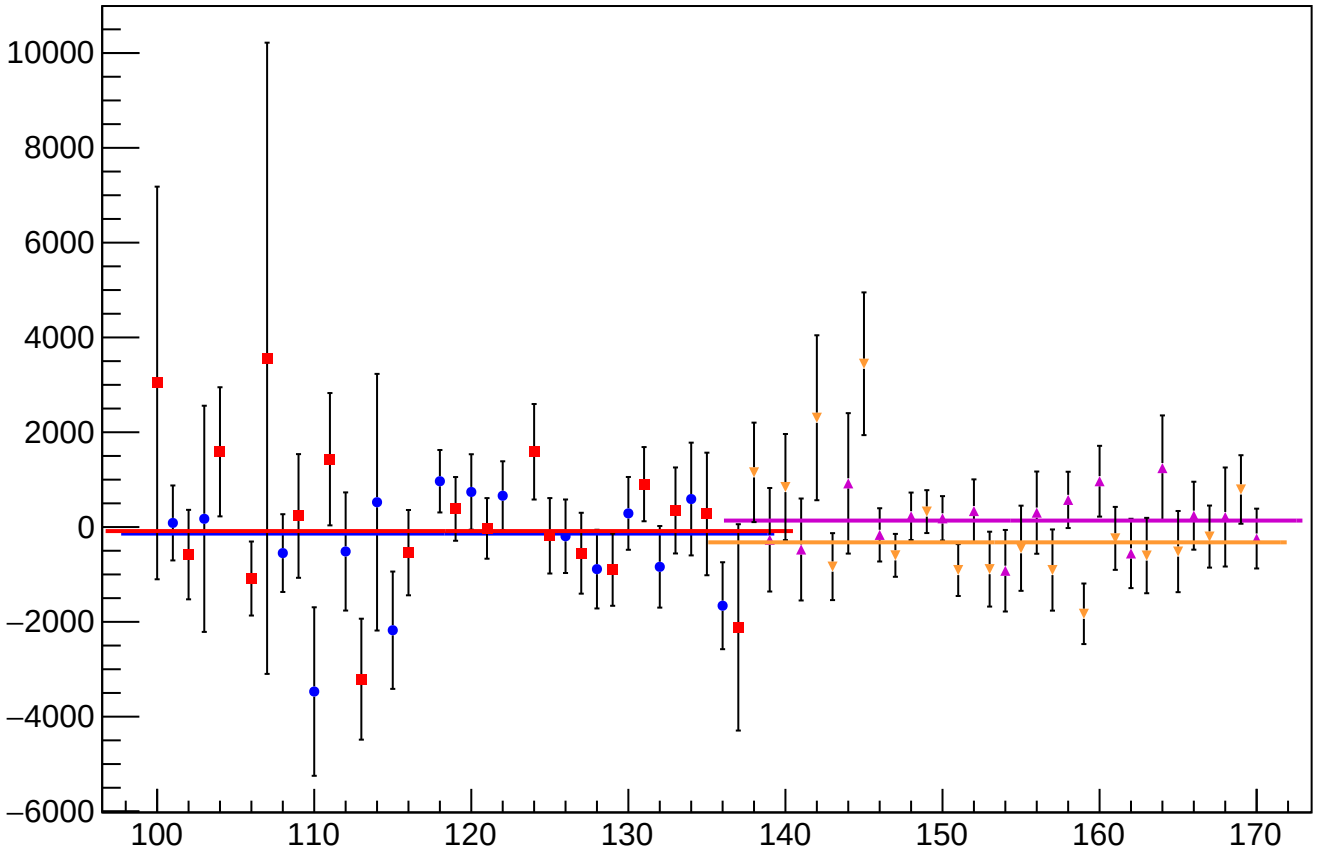
Left: 1818.004+/-0.249 χ^2/NDF: 14332.0/32

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1852.949+/-0.292 χ^2/NDF:678114.0/31

Out: 1869.341+/-0.291 χ^2/NDF:451535.9/35

All: 1861.164+/-0.206 χ^2/NDF: 1131228.6/67



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -322.549+/-172.239 χ^2/NDF:24.9/16

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 136.609+/-178.210 χ^2/NDF:6.8/15

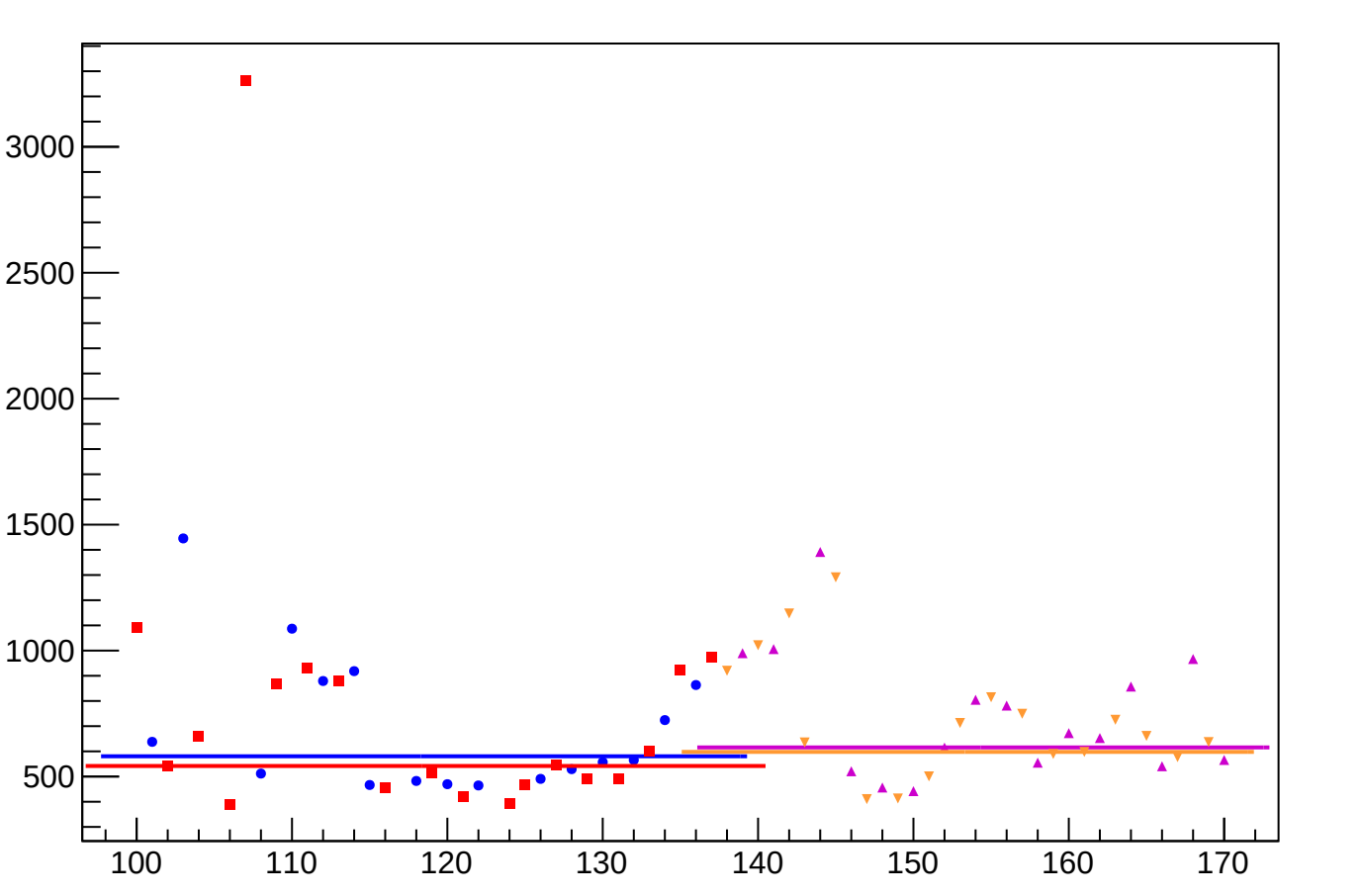
Left: -100.791+/-123.848 χ^2/NDF: 35.1/32

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 33.997+/-140.959 χ^2/NDF:24.5/31

Out: -233.208+/-136.057 χ^2/NDF:44.9/35

All: -104.334+/-97.894 χ^2/NDF: 71.3/67



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 597.893+/-0.122 χ^2/NDF:2136194.5/16

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 615.614+/-0.126 χ^2/NDF:2142428.7/15

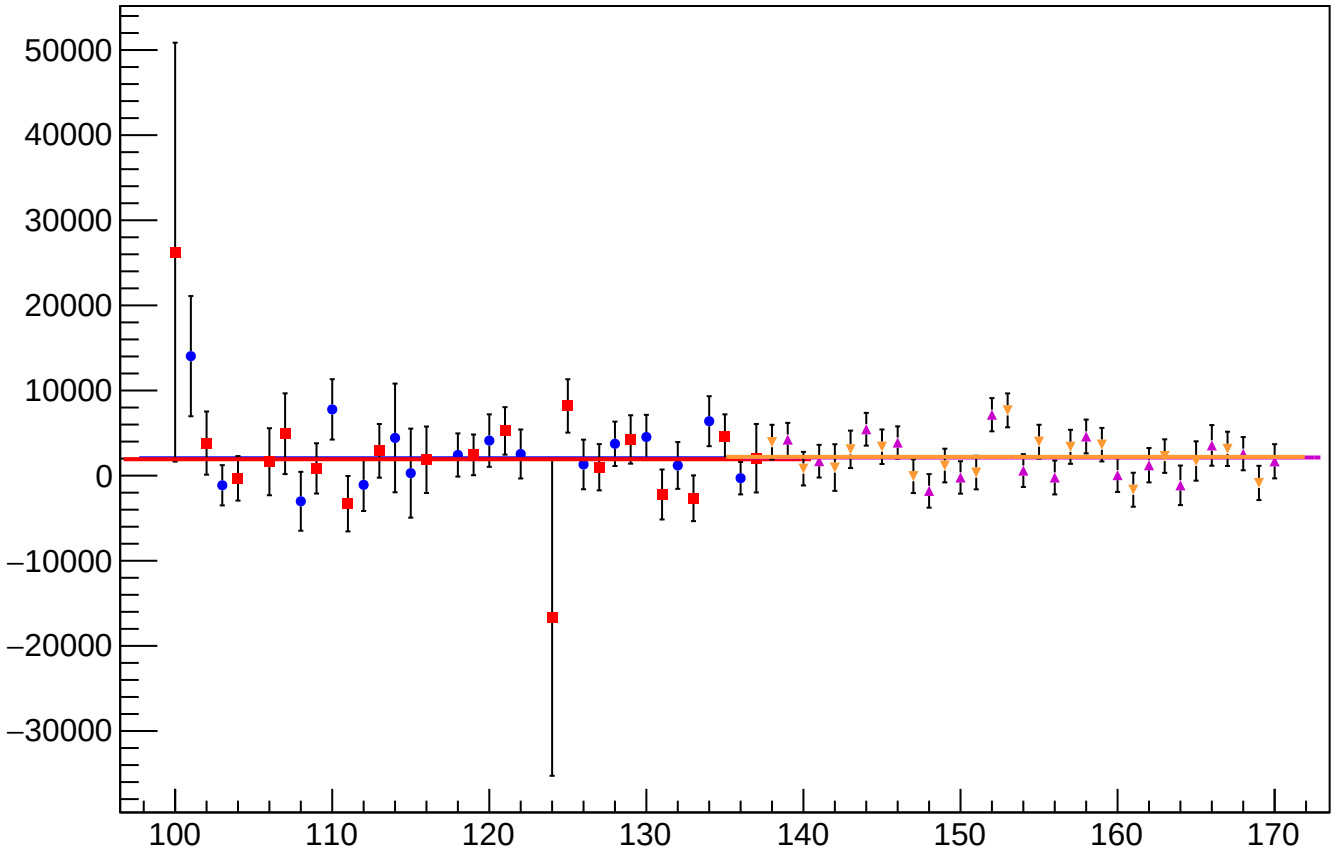
Left: 606.452+/-0.088 χ^2/NDF: 4288848.7/32

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 602.476+/-0.100 χ^2/NDF:3174366.6/31

Out: 576.853+/-0.096 χ^2/NDF:3534410.4/35

All: 589.211+/-0.069 χ^2/NDF: 6742987.0/67



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2203.926+/-496.898 χ^2/NDF:19.9/16

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2130.364+/-498.950 χ^2/NDF:24.4/15

Left: 2167.296+/-352.083 χ^2/NDF: 44.3/32

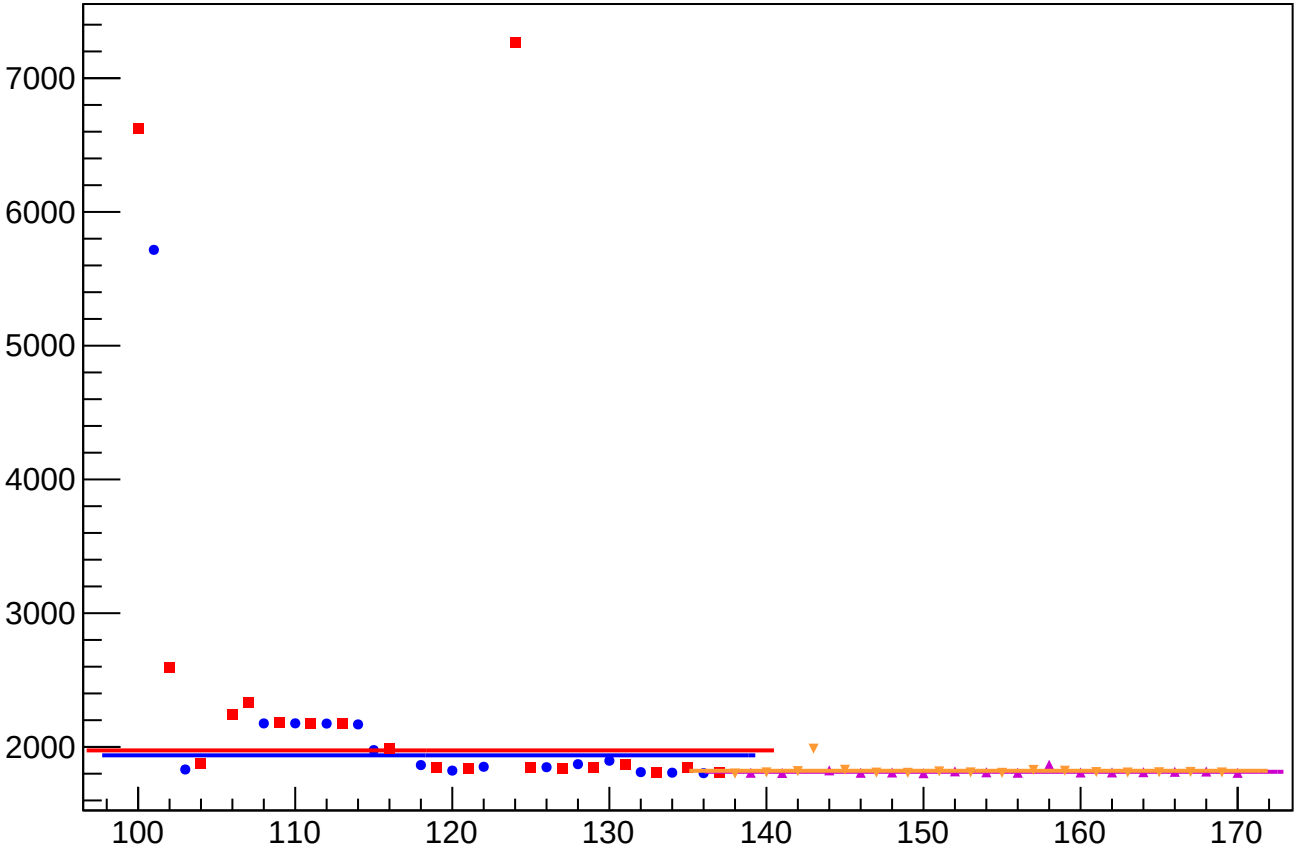
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2101.557+/-413.031 χ^2/NDF:40.8/31

Out: 2117.220+/-412.074 χ^2/NDF:38.4/35

All: 2109.407+/-291.718 χ^2/NDF: 79.3/67

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1821.749+/-0.351 χ^2/NDF:12351.6/16

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

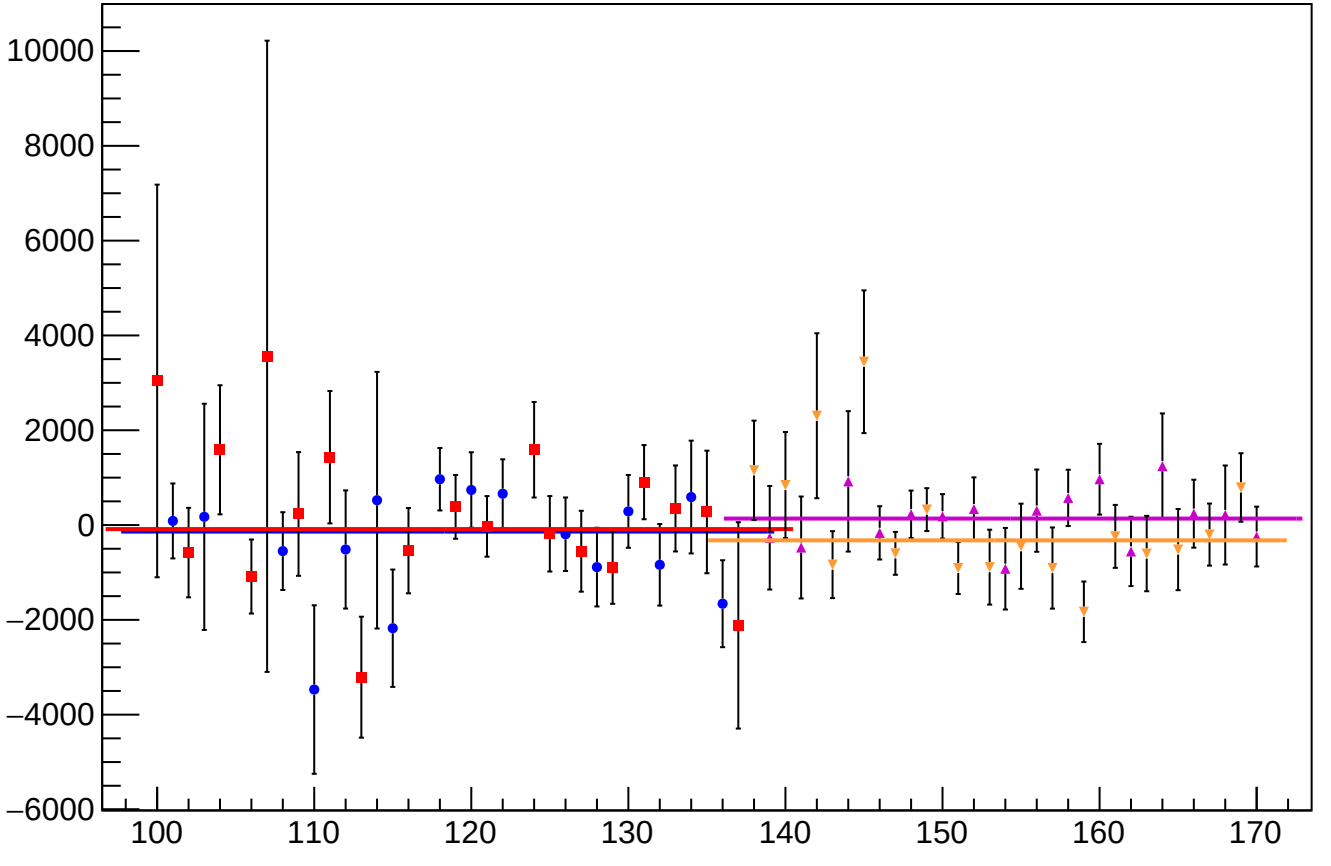
Left: 1818.004+/-0.249 χ^2/NDF: 14332.0/32

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1852.949+/-0.292 χ^2/NDF:678114.0/31

Out: 1869.341+/-0.291 χ^2/NDF:451535.9/35

All: 1861.164+/-0.206 χ^2/NDF: 1131228.6/67



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -322.549+/-172.239 χ^2/NDF:24.9/16

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 136.609+/-178.210 χ^2/NDF:6.8/15

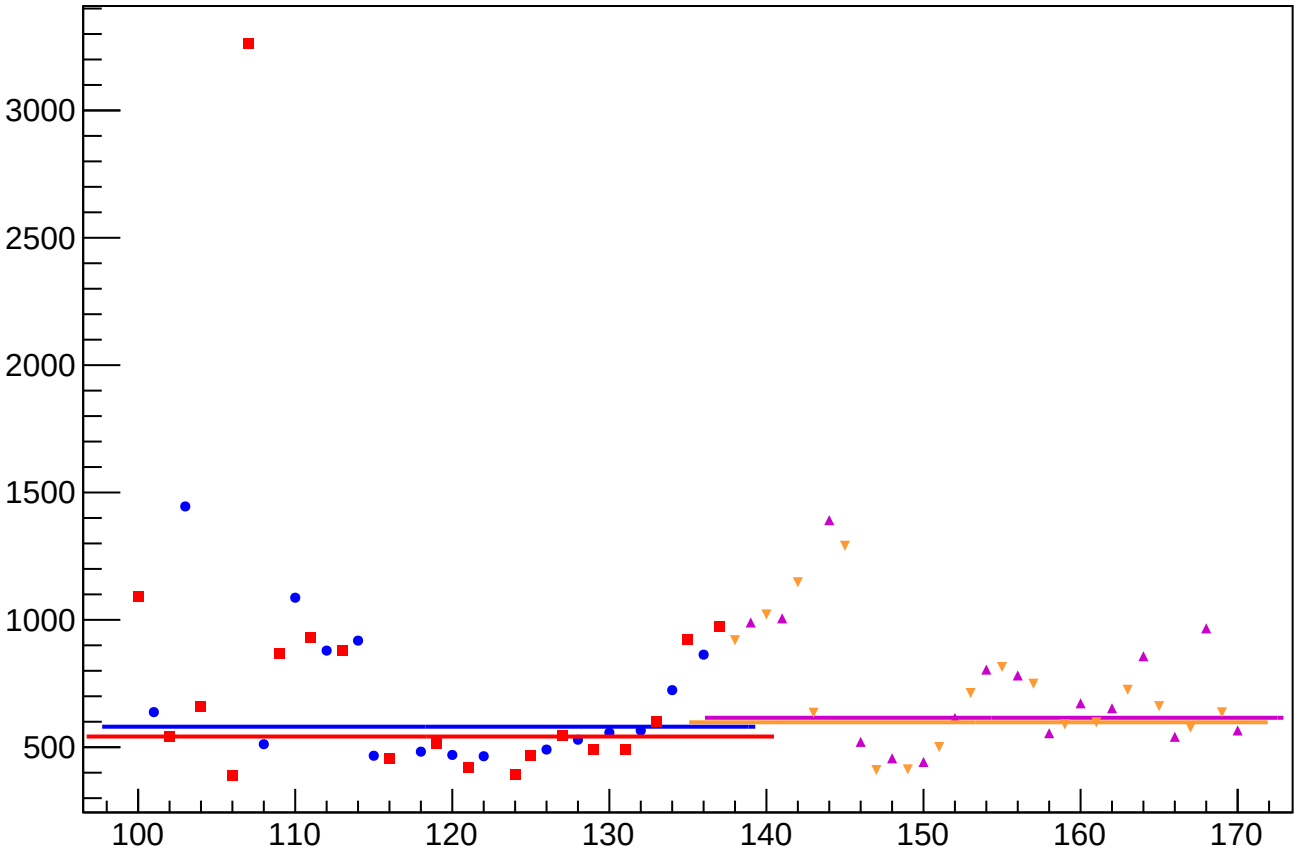
Left: -100.791+/-123.848 χ^2/NDF: 35.1/32

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

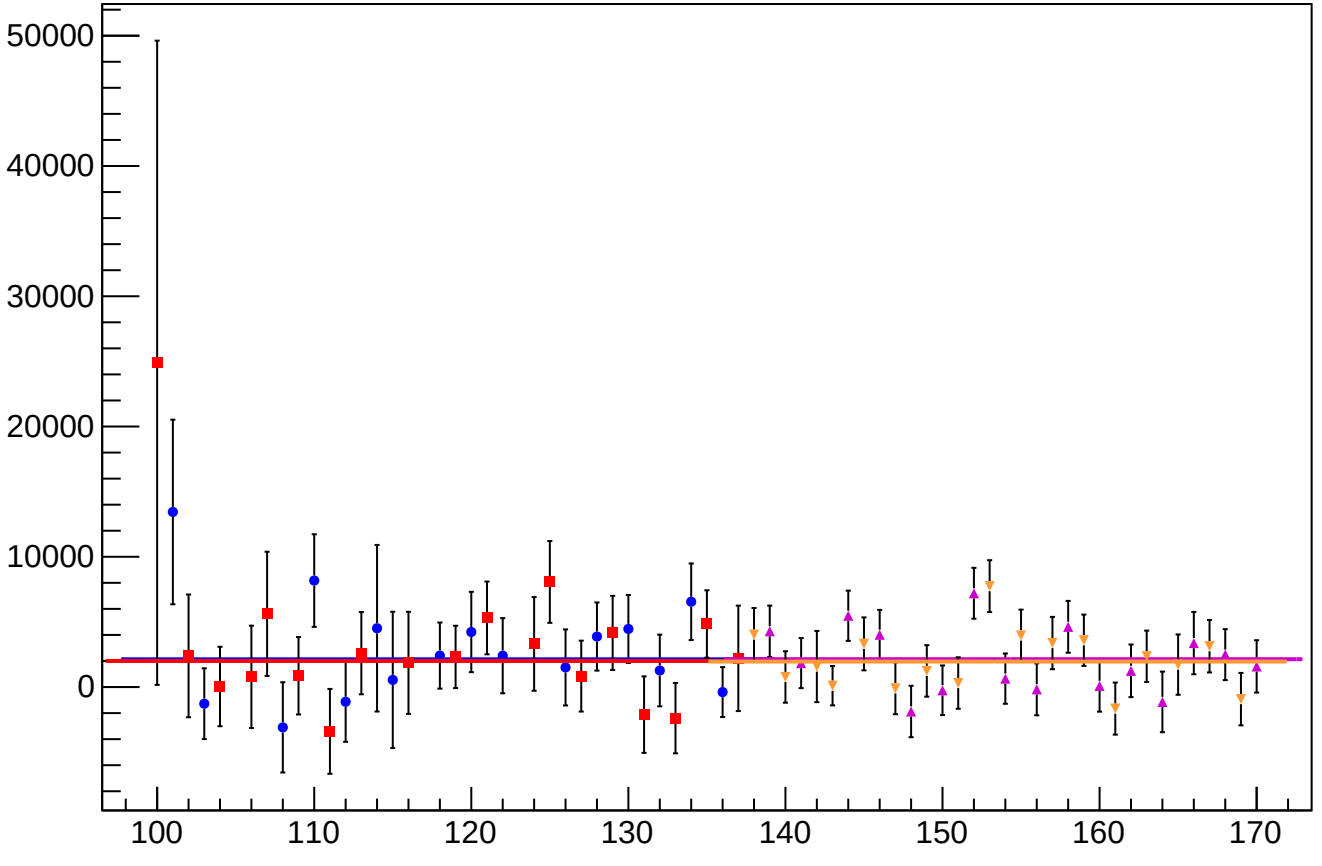
In: 33.997+/-140.959 χ^2/NDF:24.5/31

Out: -233.208+/-136.057 χ^2/NDF:44.9/35

All: -104.334+/-97.894 χ^2/NDF: 71.3/67


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 597.893+/-0.122 χ²/NDF:2136194.5/16
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 615.614+/-0.126 χ²/NDF:2142428.7/15
Left: 606.452+/-0.088 χ²/NDF: 4288848.7/32
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 602.476+/-0.100 χ²/NDF:3174366.6/31
Out: 576.853+/-0.096 χ²/NDF:3534410.4/35
All: 589.211+/-0.069 χ²/NDF: 6742987.0/67

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1958.048+/-483.747 χ^2/NDF:21.6/16

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2137.125+/-499.500 χ^2/NDF:24.7/15

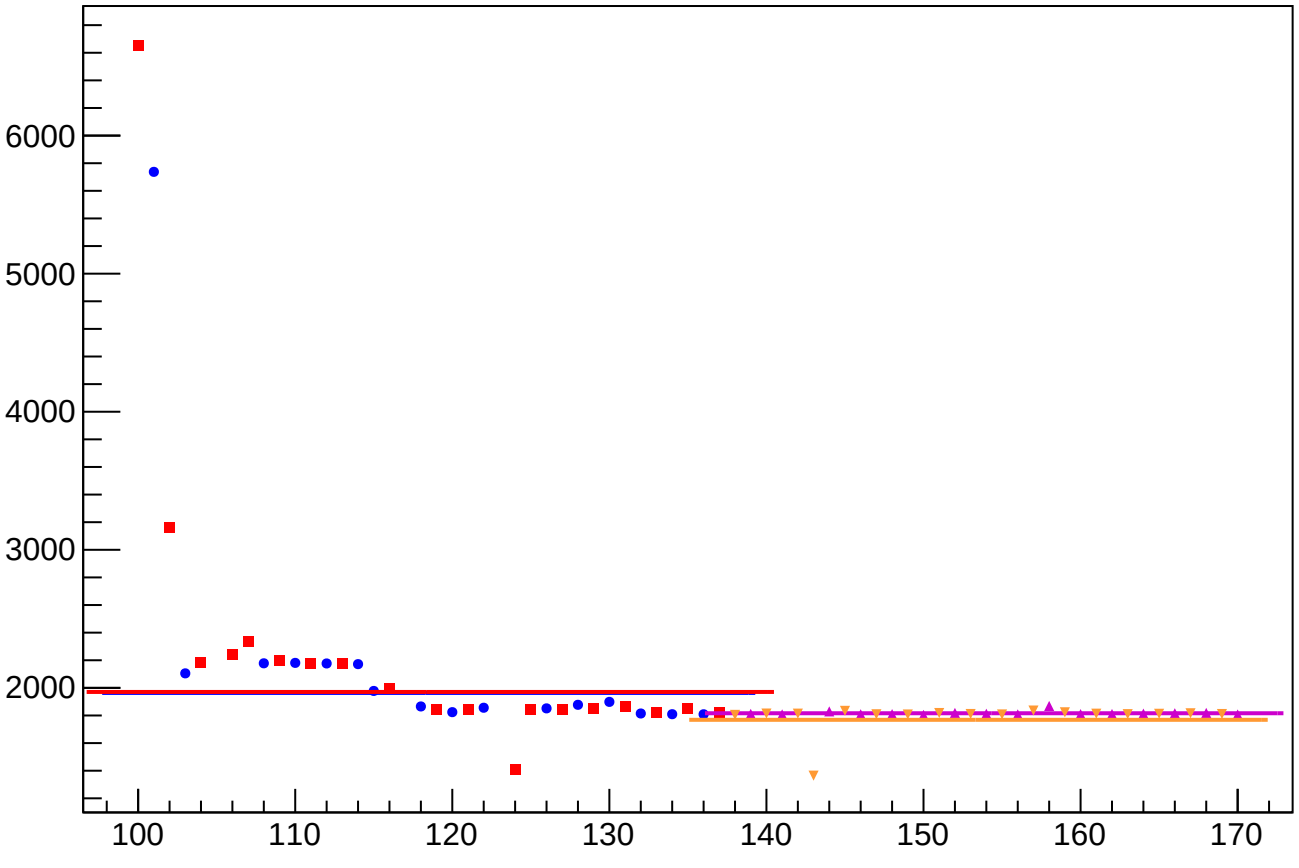
Left: 2044.718+/-347.497 χ^2/NDF: 46.4/32

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2134.533+/-415.094 χ^2/NDF:41.2/31

Out: 1971.343+/-404.445 χ^2/NDF:38.4/35

All: 2050.818+/-289.677 χ^2/NDF: 79.7/67



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1768.590+/-0.342 χ^2/NDF:160425.8/16

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.208+/-0.353 χ^2/NDF:1797.8/15

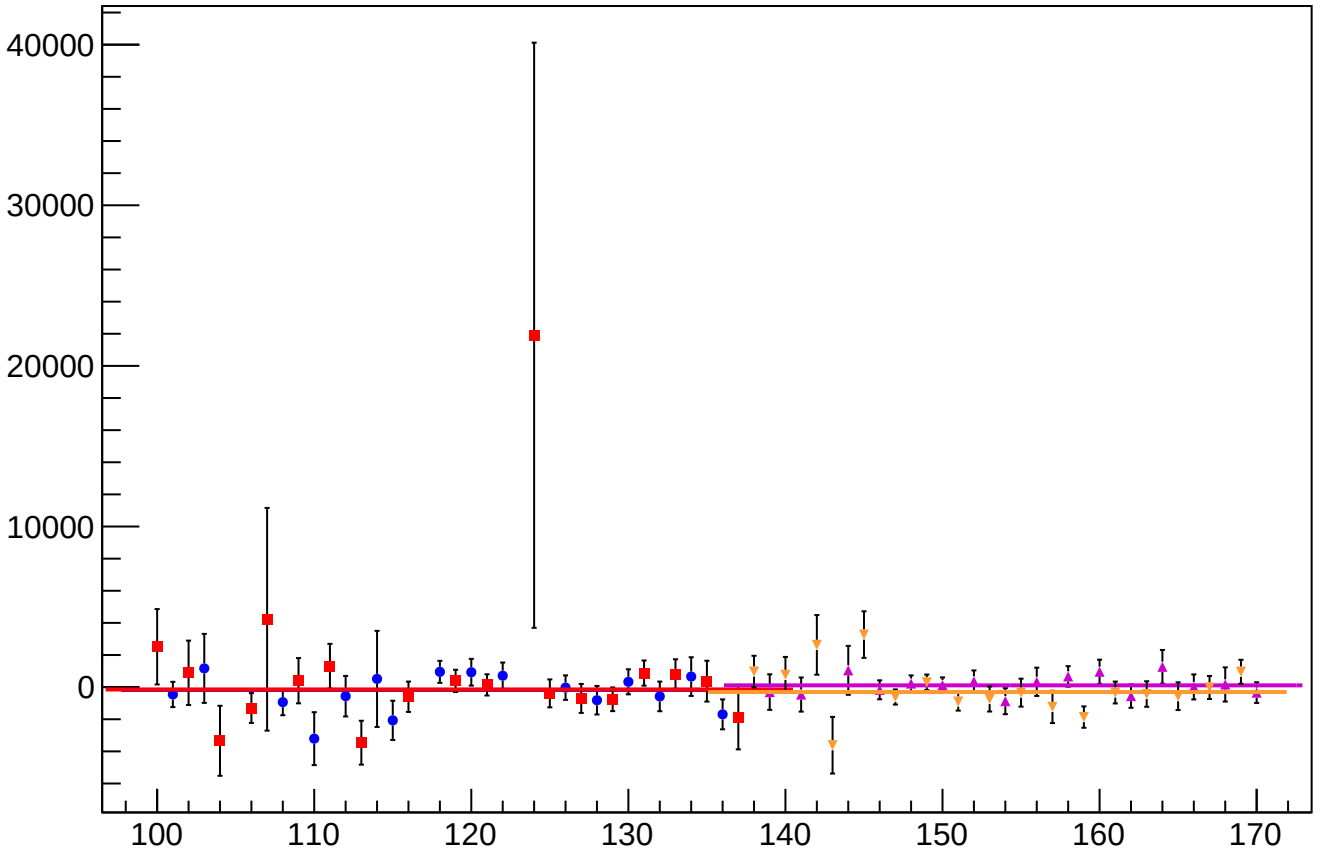
Left: 1791.636+/-0.246 χ^2/NDF: 171602.9/32

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1861.755+/-0.294 χ^2/NDF:695797.9/31

Out: 1829.351+/-0.286 χ^2/NDF:610389.6/35

All: 1845.132+/-0.205 χ^2/NDF: 1312440.0/67



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -304.865+/-182.700 χ^2/NDF:27.6/16

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 110.578+/-182.408 χ^2/NDF:7.3/15

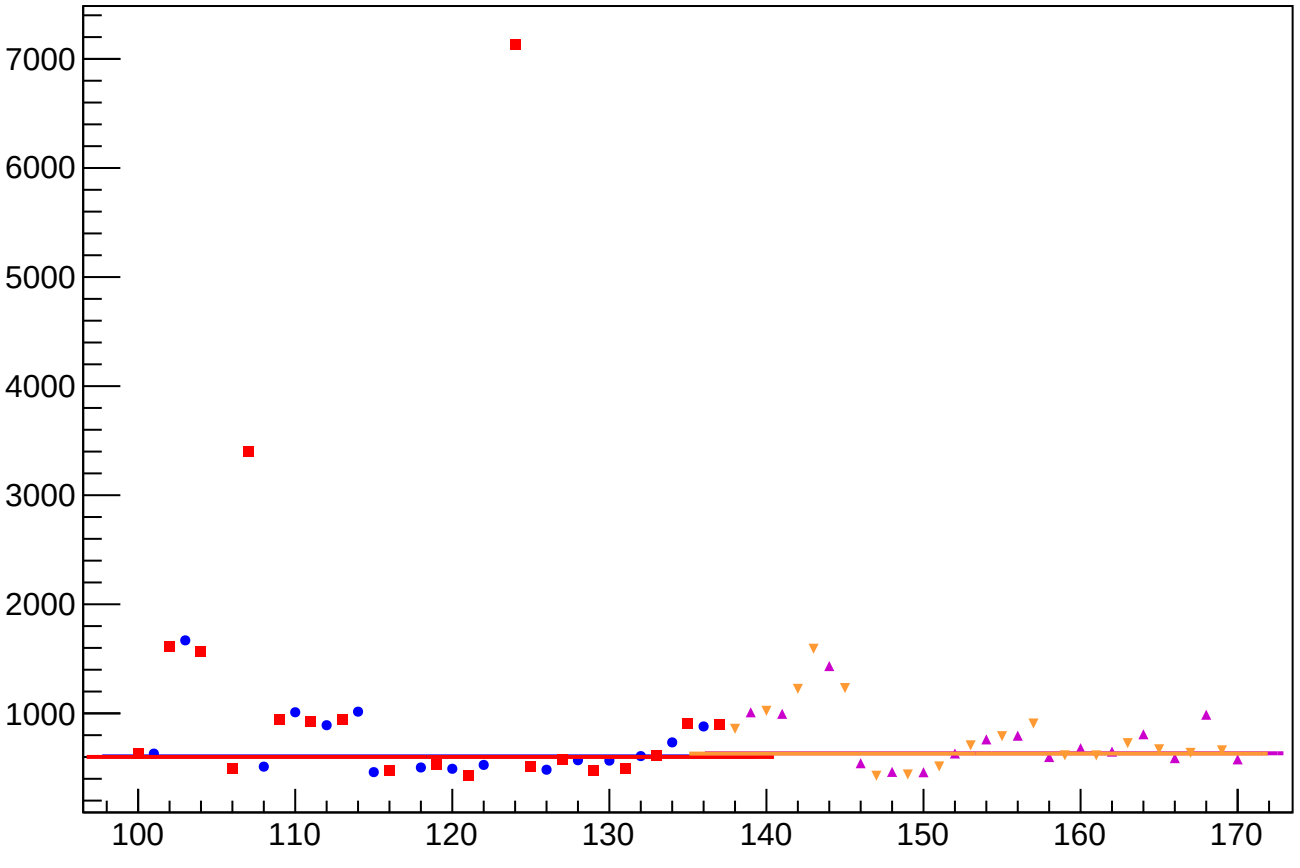
Left: -96.812+/-129.085 χ^2/NDF: 37.6/32

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 5.865+/-144.532 χ^2/NDF:25.5/31

Out: -247.985+/-145.997 χ^2/NDF:48.0/35

All: -119.780+/-102.713 χ^2/NDF: 75.0/67



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 631.184+/-0.129 χ^2/NDF:2546176.7/16

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 633.971+/-0.129 χ^2/NDF:1972006.2/15

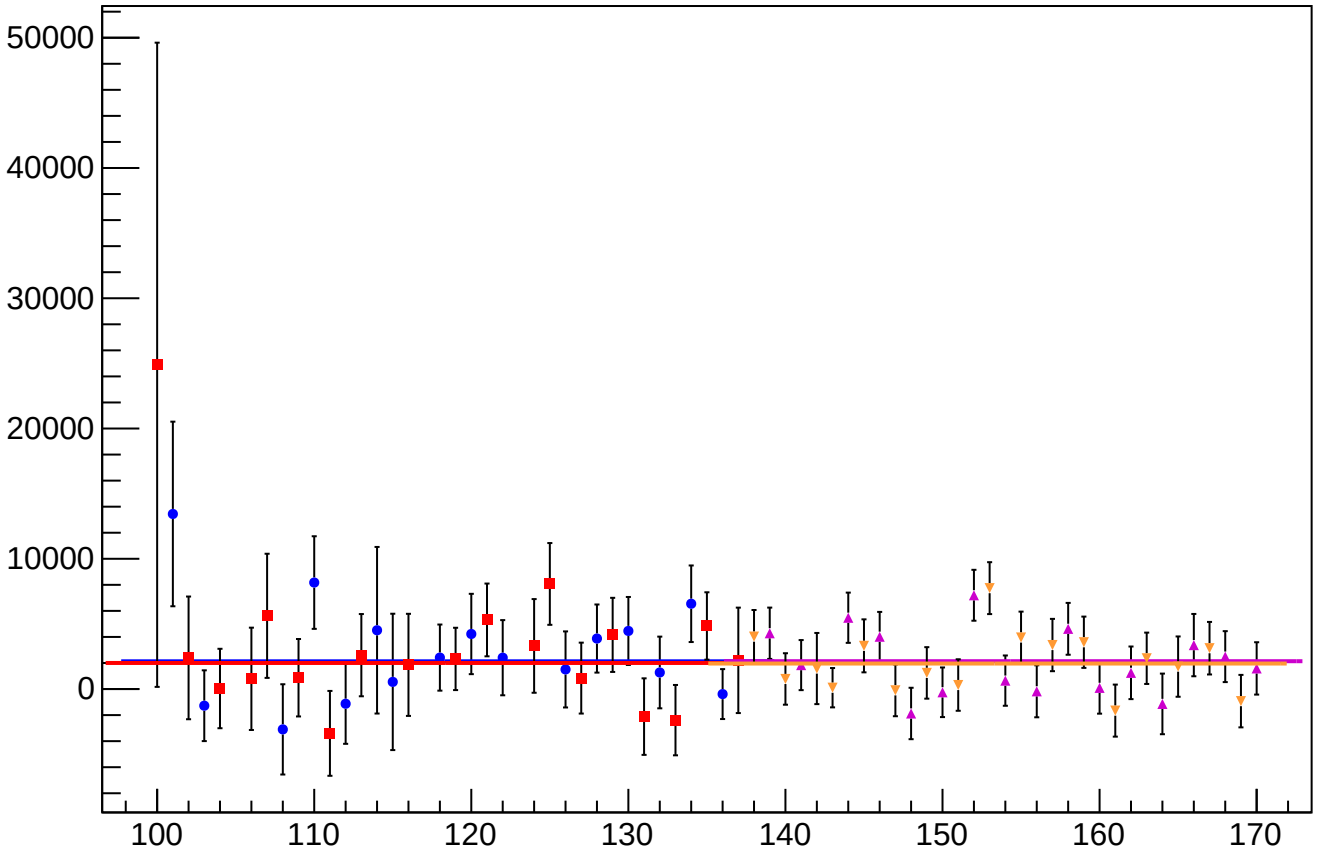
Left: 632.579+/-0.091 χ^2/NDF: 4518416.0/32

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 623.348+/-0.102 χ^2/NDF:3152684.4/31

Out: 620.074+/-0.103 χ^2/NDF:4895159.9/35

All: 621.728+/-0.073 χ^2/NDF: 8048352.2/67



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1958.048+/-483.747 χ^2/NDF:21.6/16

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2137.125+/-499.500 χ^2/NDF:24.7/15

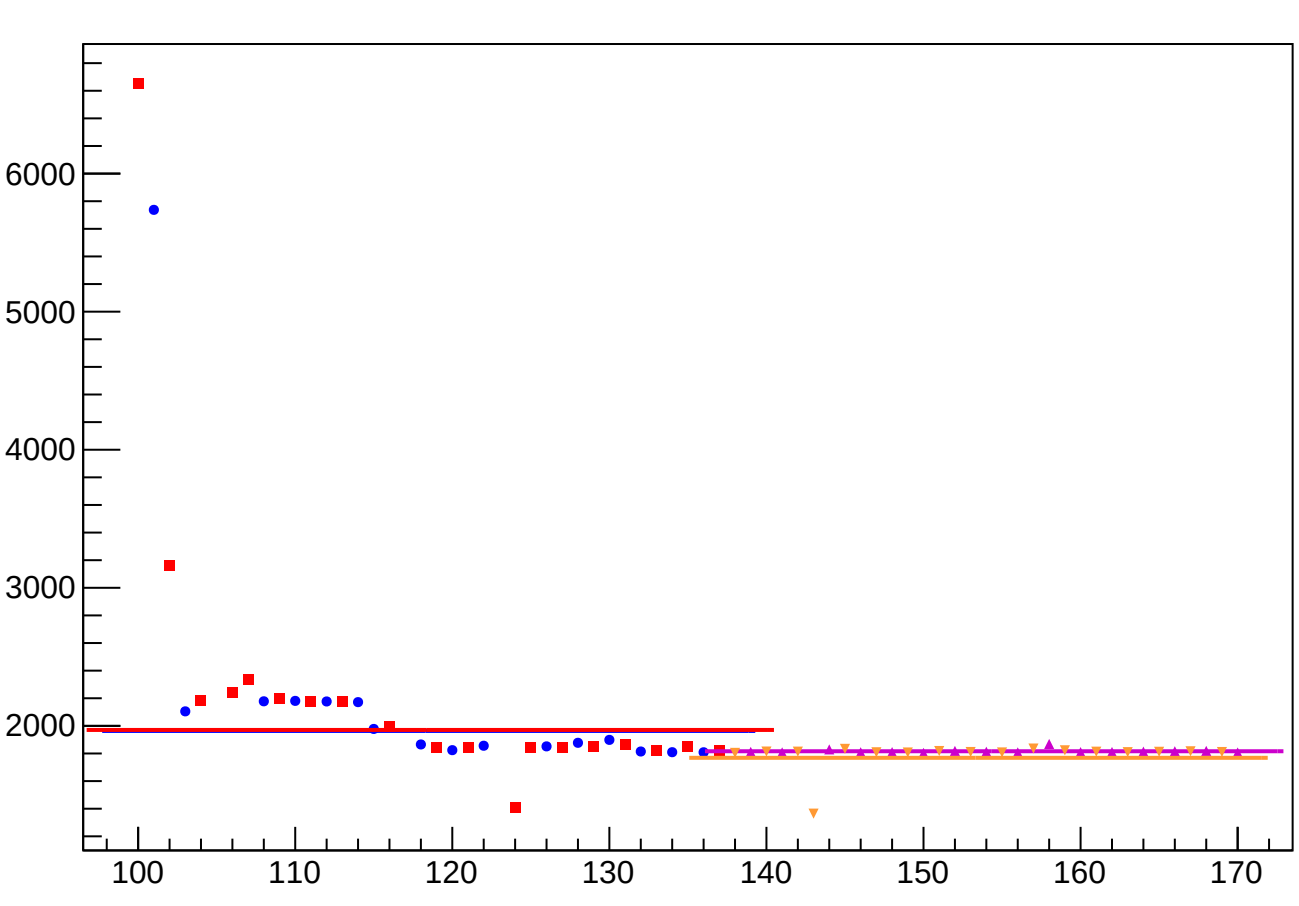
Left: 2044.718+/-347.497 χ^2/NDF: 46.4/32

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2134.533+/-415.094 χ^2/NDF:41.2/31

Out: 1971.343+/-404.445 χ^2/NDF:38.4/35

All: 2050.818+/-289.677 χ^2/NDF: 79.7/67



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1768.590+/-0.342 χ^2/NDF:160425.8/16

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.208+/-0.353 χ^2/NDF:1797.8/15

Left: 1791.636+/-0.246 χ^2/NDF: 171602.9/32

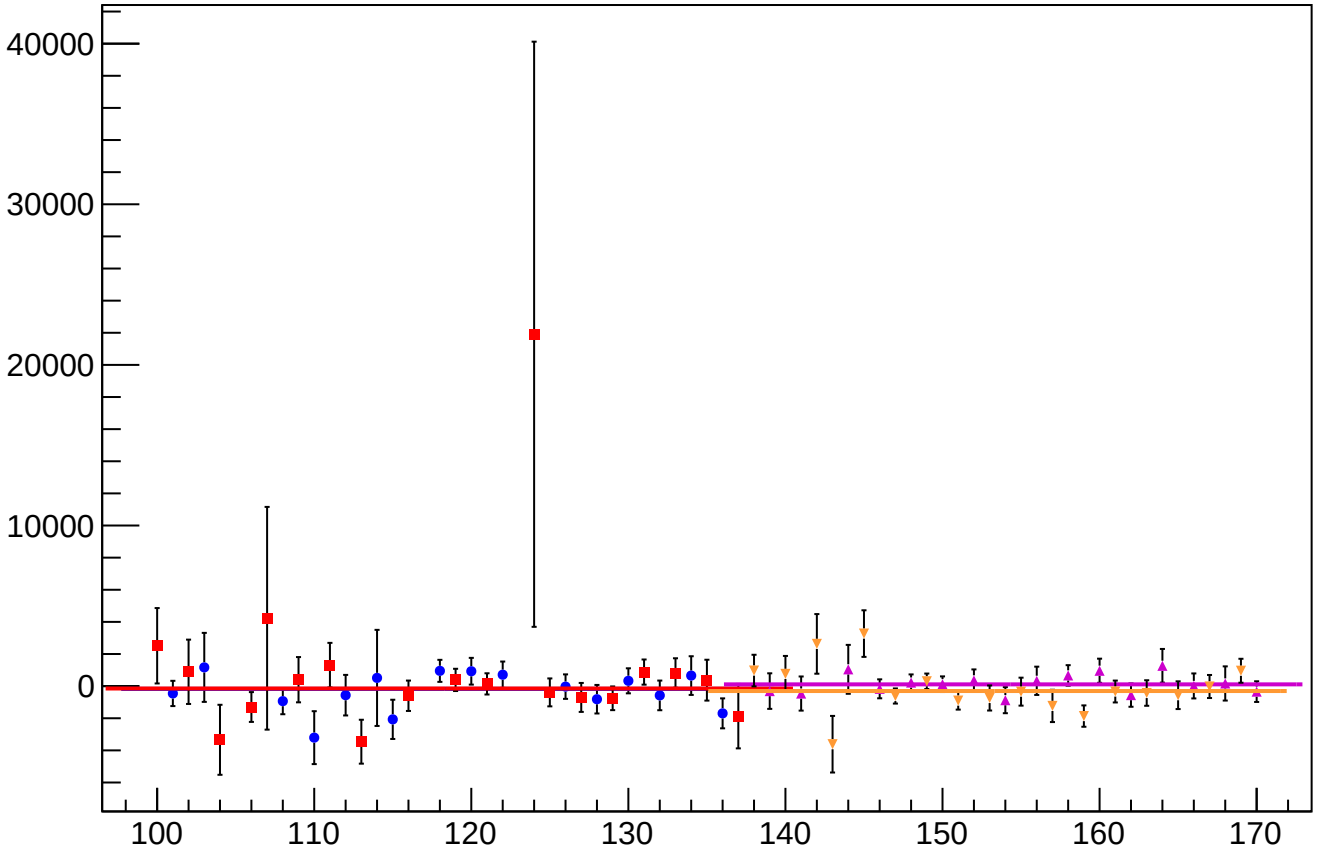
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1861.755+/-0.294 χ^2/NDF:695797.4/31

Out: 1829.351+/-0.286 χ^2/NDF:610388.0/35

All: 1845.132+/-0.205 χ^2/NDF: 1312438.0/67

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: -304.865+/-182.700 χ^2/NDF:27.6/16

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 110.577+/-182.409 χ^2/NDF:7.3/15

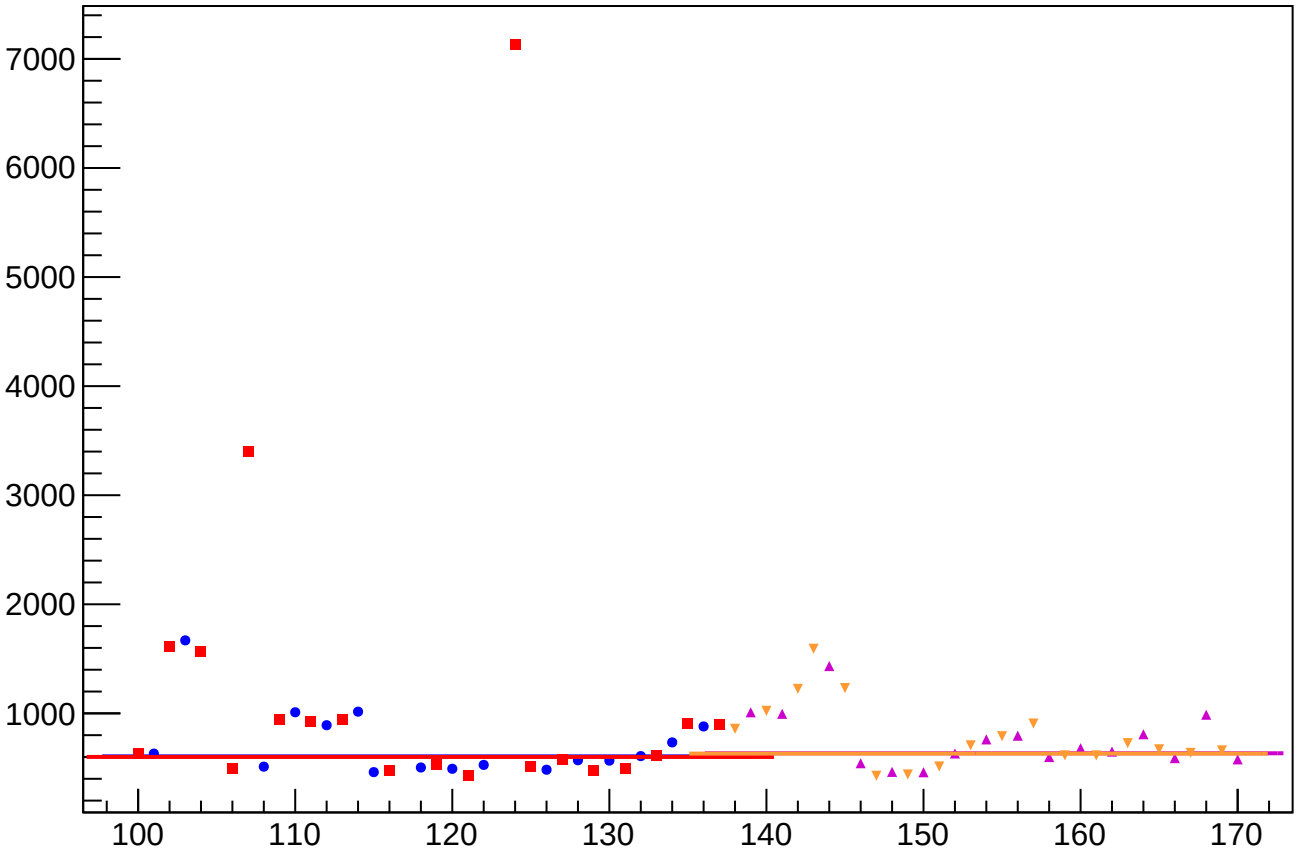
Left: -96.813+/-129.085 χ^2/NDF: 37.6/32

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 5.864+/-144.532 χ^2/NDF:25.5/31

Out: -247.985+/-145.997 χ^2/NDF:48.0/35

All: -119.780+/-102.713 χ^2/NDF: 75.0/67



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 631.185+/-0.129 χ^2/NDF:2546168.9/16

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 633.972+/-0.129 χ^2/NDF:1972000.9/15

Left: 632.581+/-0.091 χ^2/NDF: 4518402.9/32

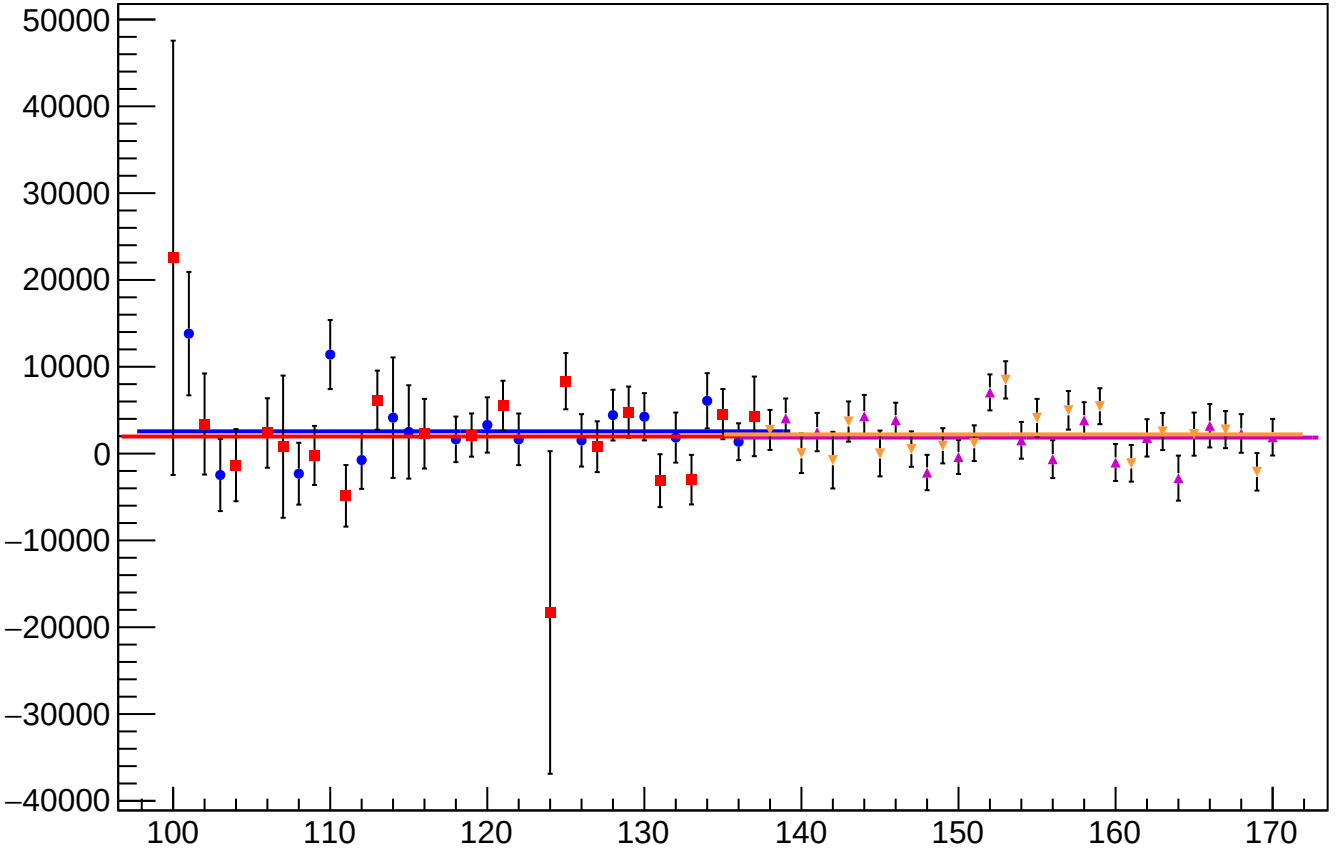
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 623.349+/-0.102 χ^2/NDF:3152689.9/31

Out: 620.075+/-0.103 χ^2/NDF:4895162.7/35

All: 621.728+/-0.073 χ^2/NDF: 8048360.4/67

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2210.323+/-540.017 χ^2/NDF:24.1/16

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1842.811+/-543.348 χ^2/NDF:22.2/15

Left: 2027.697+/-383.022 χ^2/NDF: 46.6/32

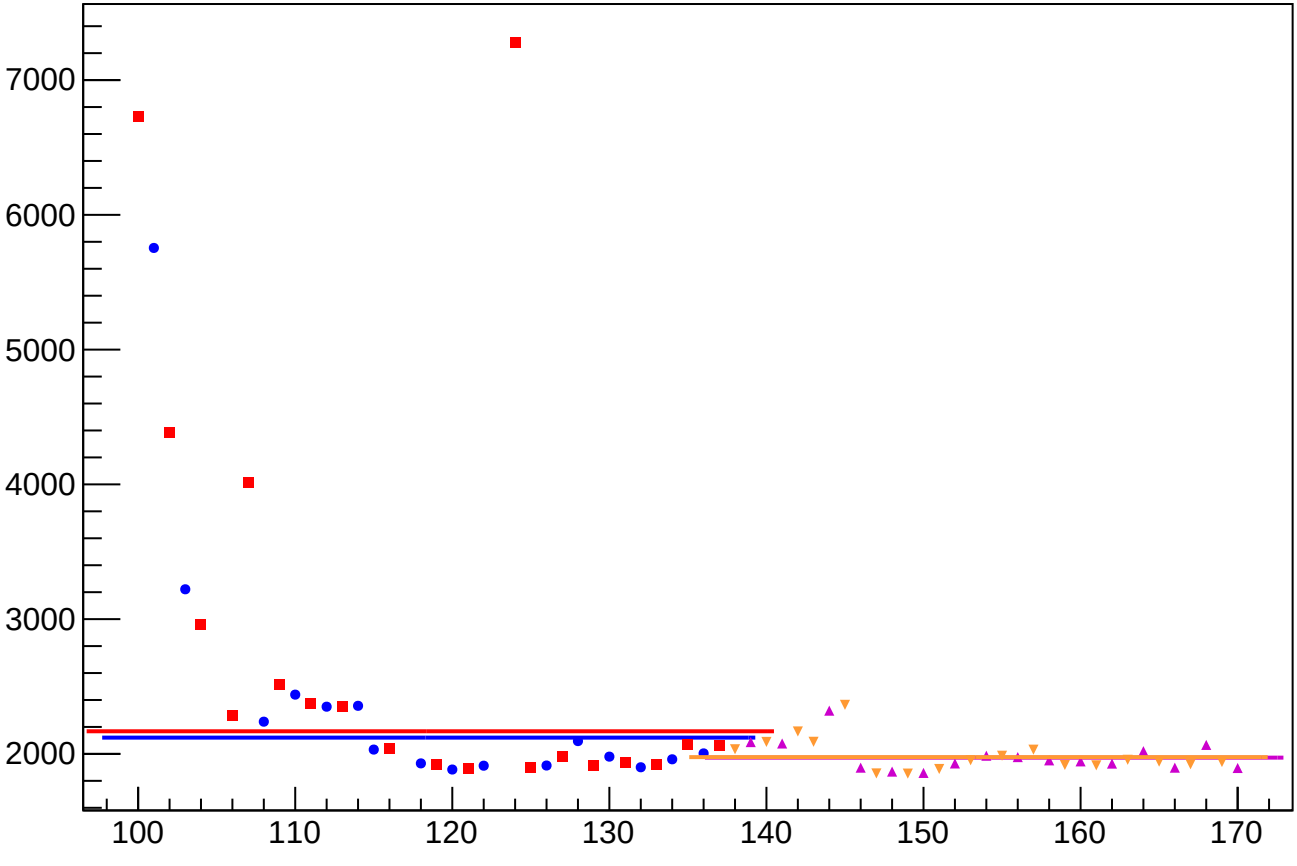
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2065.809+/-451.171 χ^2/NDF:37.4/31

Out: 2136.490+/-450.809 χ^2/NDF:45.8/35

All: 2101.178+/-318.898 χ^2/NDF: 83.2/67

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1975.939+/-0.382 χ^2/NDF:86199.1/16

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1972.173+/-0.384 χ^2/NDF:75847.5/15

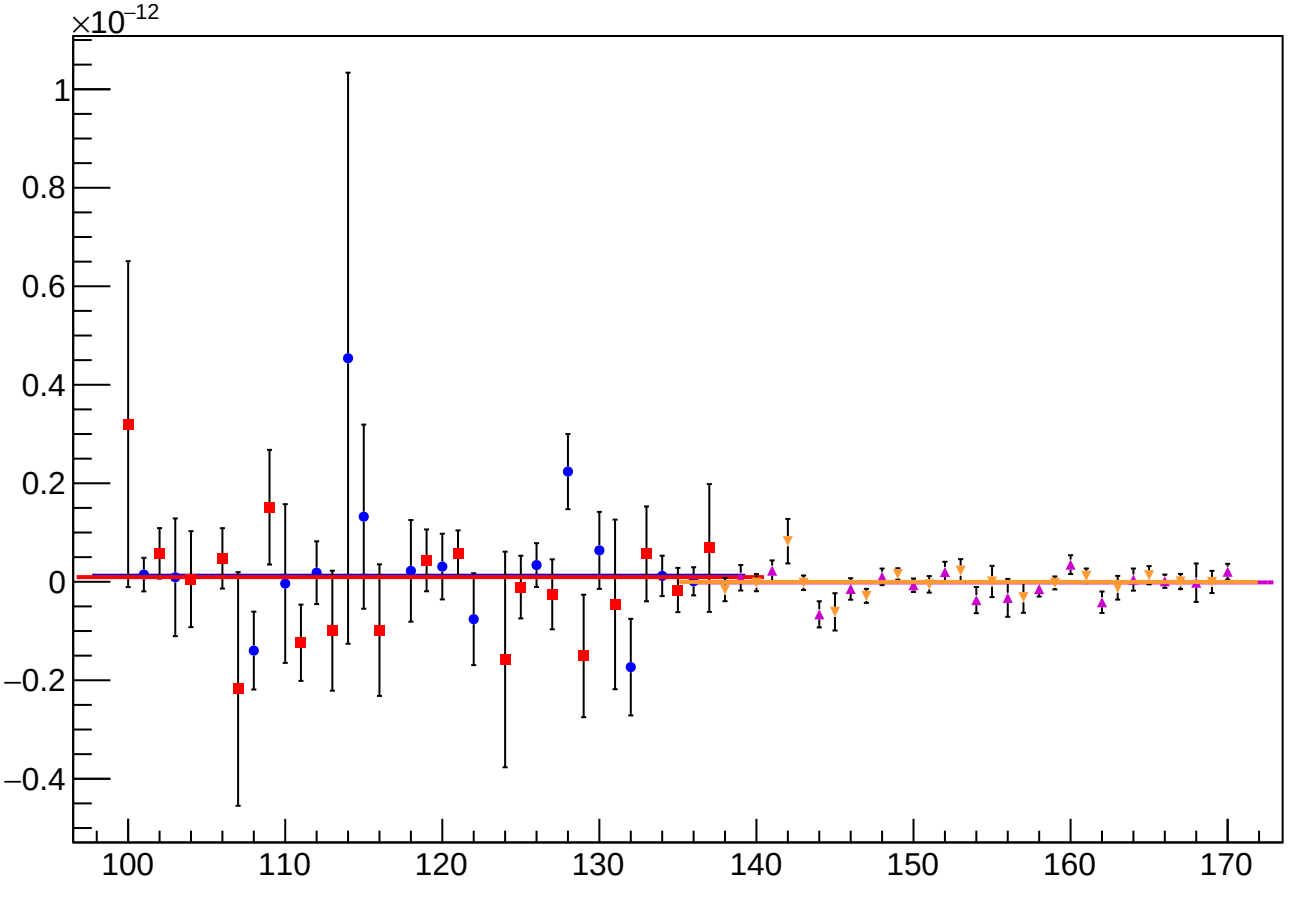
Left: 1974.068+/-0.271 χ^2/NDF: 162095.0/32

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2018.317+/-0.319 χ^2/NDF:882269.8/31

Out: 2034.105+/-0.319 χ^2/NDF:986676.6/35

All: 2026.217+/-0.225 χ^2/NDF: 1870171.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/15

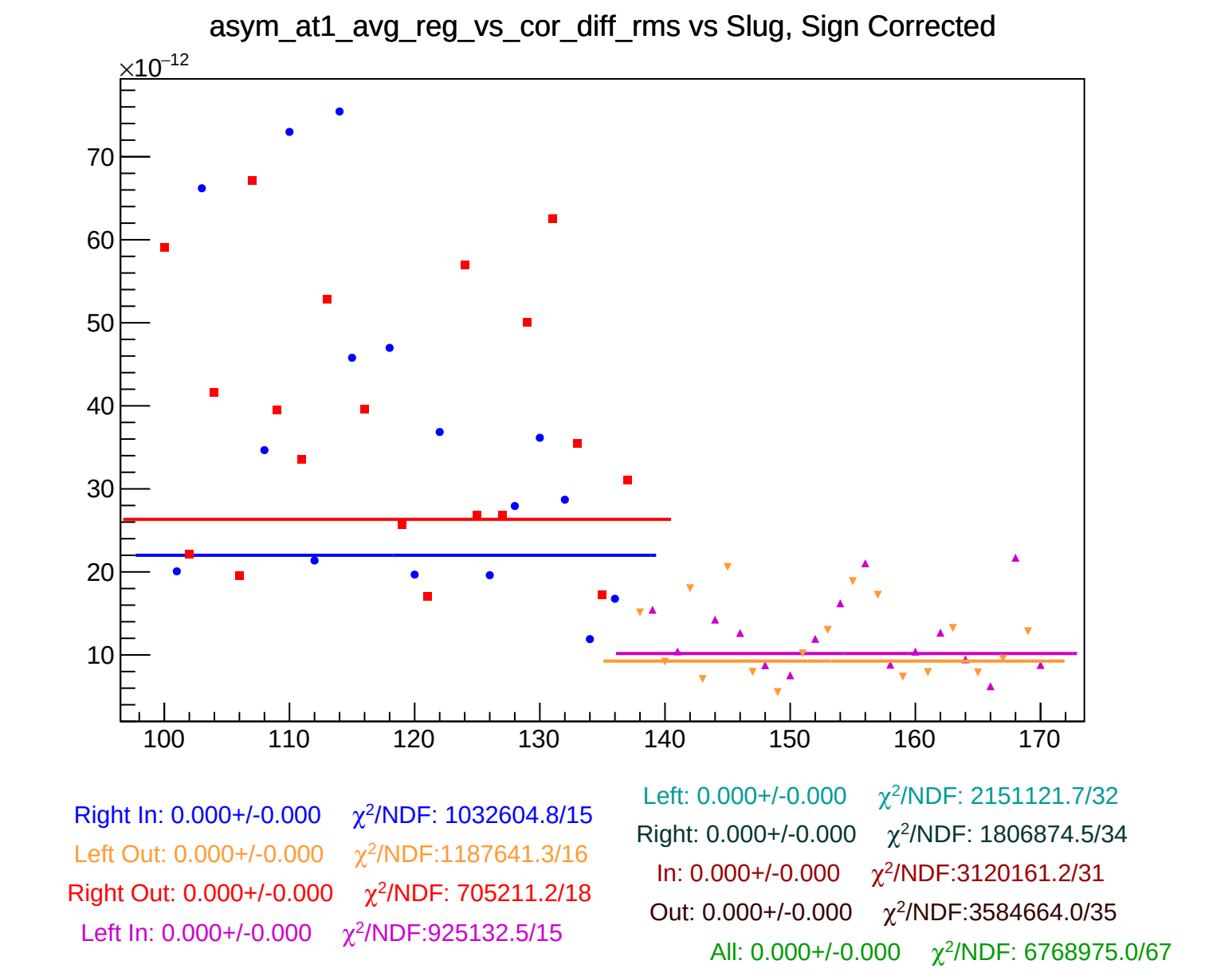
Left: -0.000+/-0.000 χ^2/NDF: 37.4/32

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

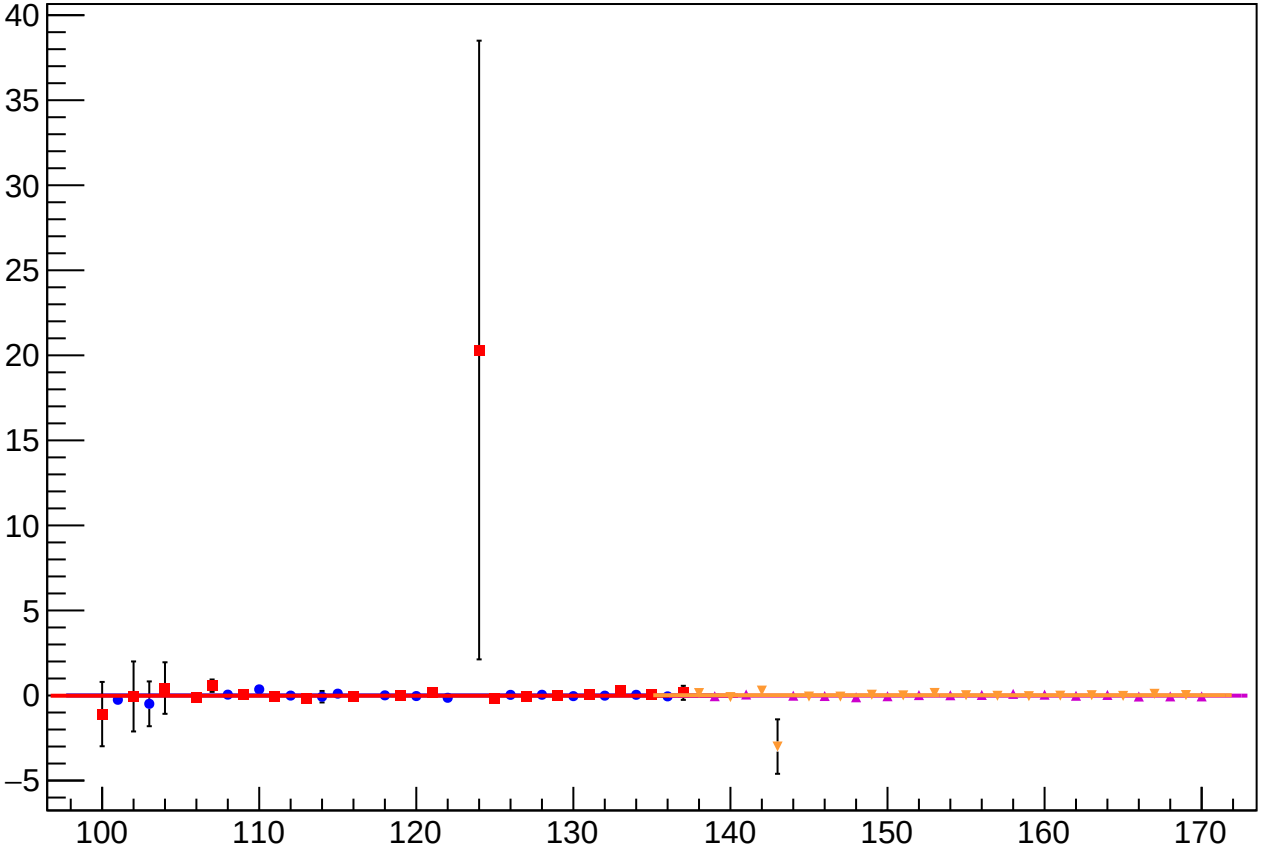
In: 0.000+/-0.000 χ^2/NDF:40.2/31

Out: 0.000+/-0.000 χ^2/NDF:29.8/35

All: 0.000+/-0.000 χ^2/NDF: 70.0/67


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:1187641.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:925132.5/15
Left: 0.000+/-0.000 χ²/NDF: 2151121.7/32
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3120161.2/31
Out: 0.000+/-0.000 χ²/NDF:3584664.0/35
All: 0.000+/-0.000 χ²/NDF: 6768975.0/67

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: 0.016+/-0.015 χ^2/NDF:24.3/16

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/15

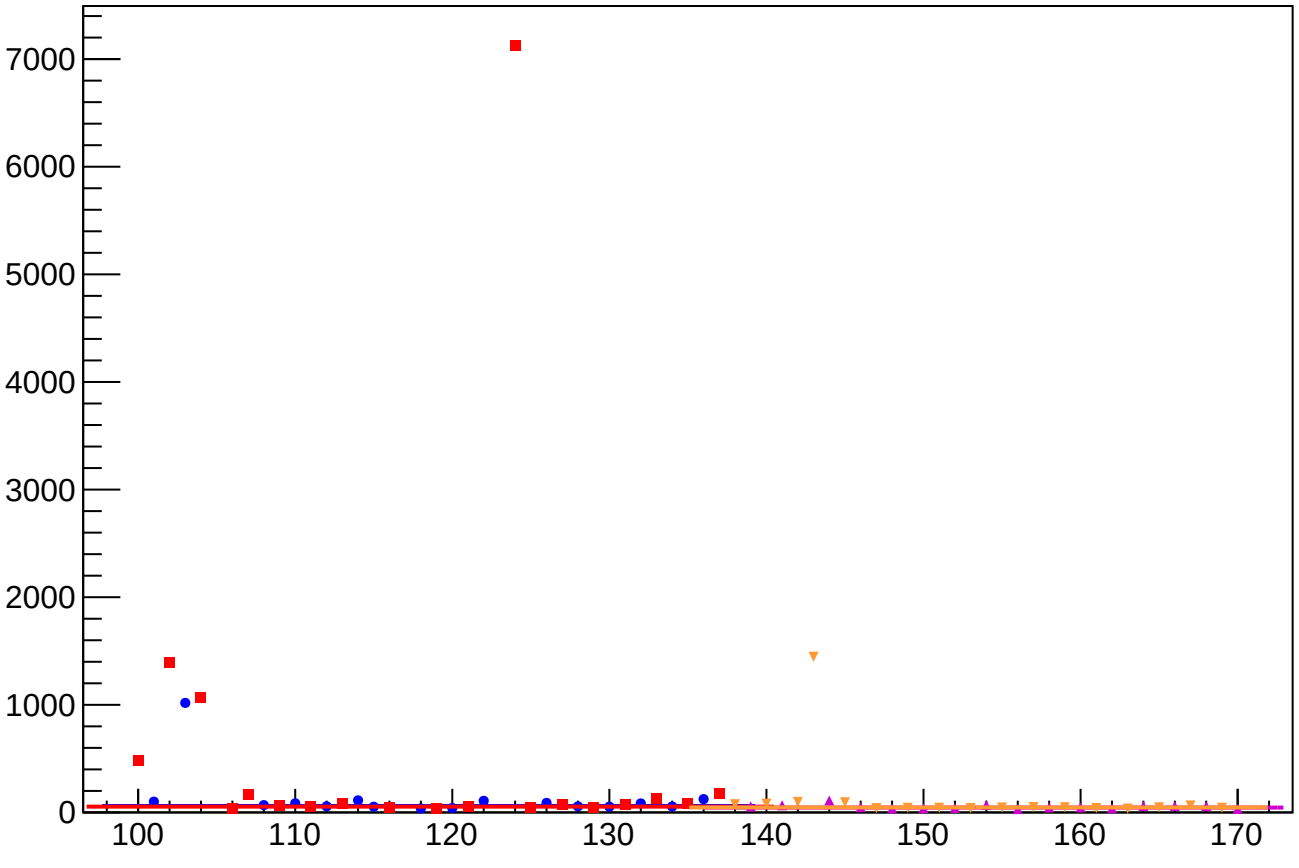
Left: 0.003+/-0.010 χ^2/NDF: 40.1/32

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.009+/-0.013 χ^2/NDF:42.8/35

All: 0.002+/-0.009 χ^2/NDF: 69.5/67



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.725+/-0.010 χ^2/NDF:2936133.0/16

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.347+/-0.010 χ^2/NDF:1676528.5/15

Left: 46.008+/-0.007 χ^2/NDF: 4621748.3/32

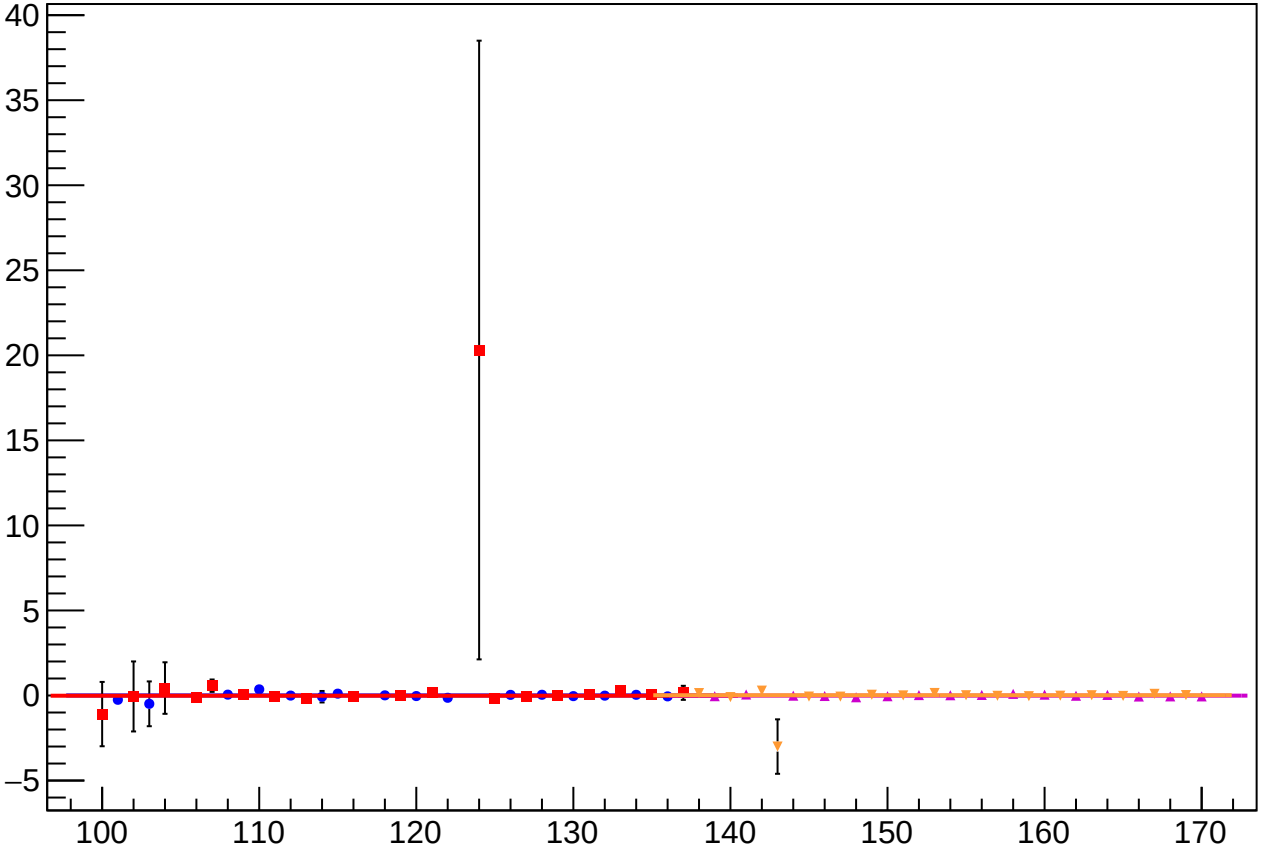
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.525+/-0.009 χ^2/NDF:4674820.7/31

Out: 48.577+/-0.009 χ^2/NDF:6585831.0/35

All: 48.550+/-0.006 χ^2/NDF: 11260668.1/67

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/16

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/15

Left: 0.003+/-0.010 χ^2/NDF: 40.1/32

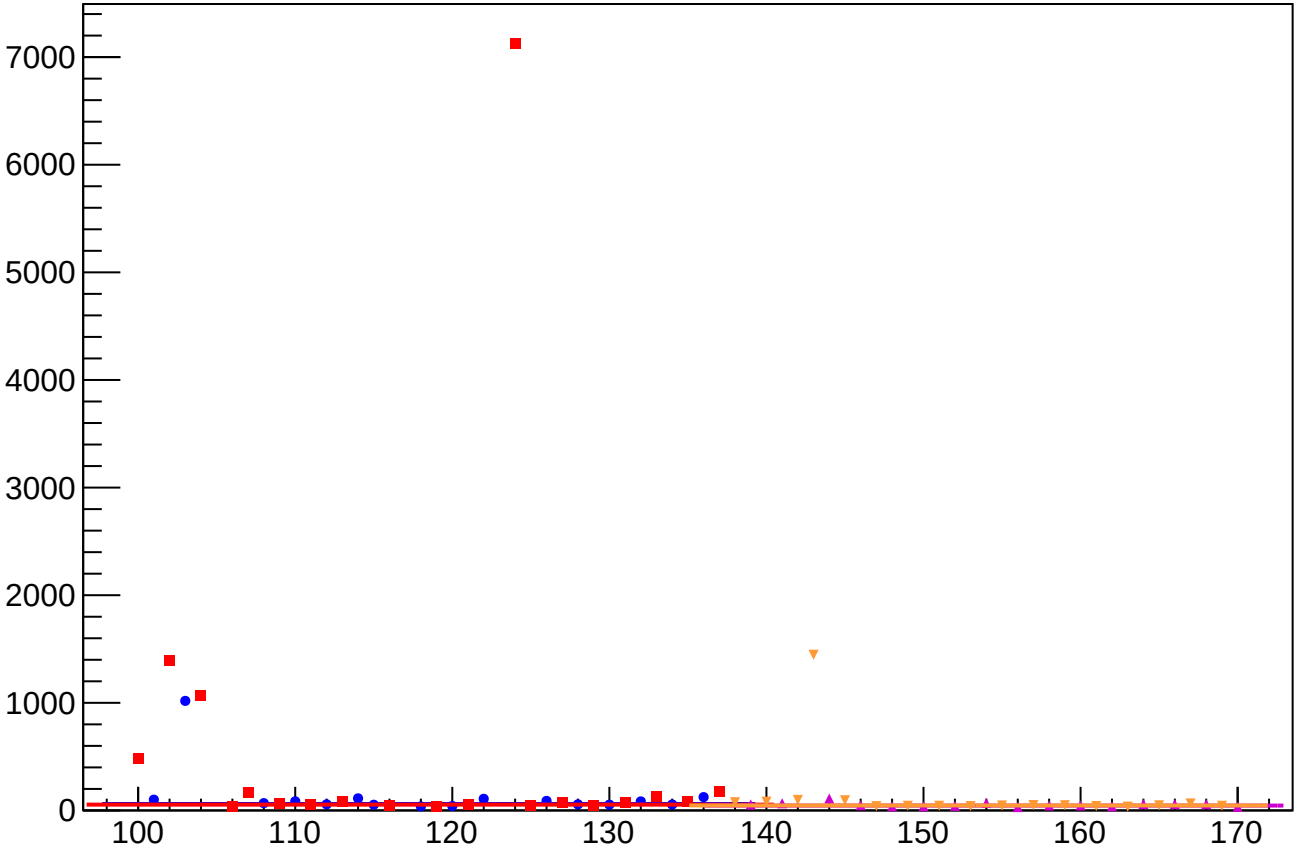
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.009+/-0.013 χ^2/NDF:42.8/35

All: 0.002+/-0.009 χ^2/NDF: 69.5/67

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: 46.725+/-0.010 χ^2/NDF:2936133.0/16

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.347+/-0.010 χ^2/NDF:1676528.5/15

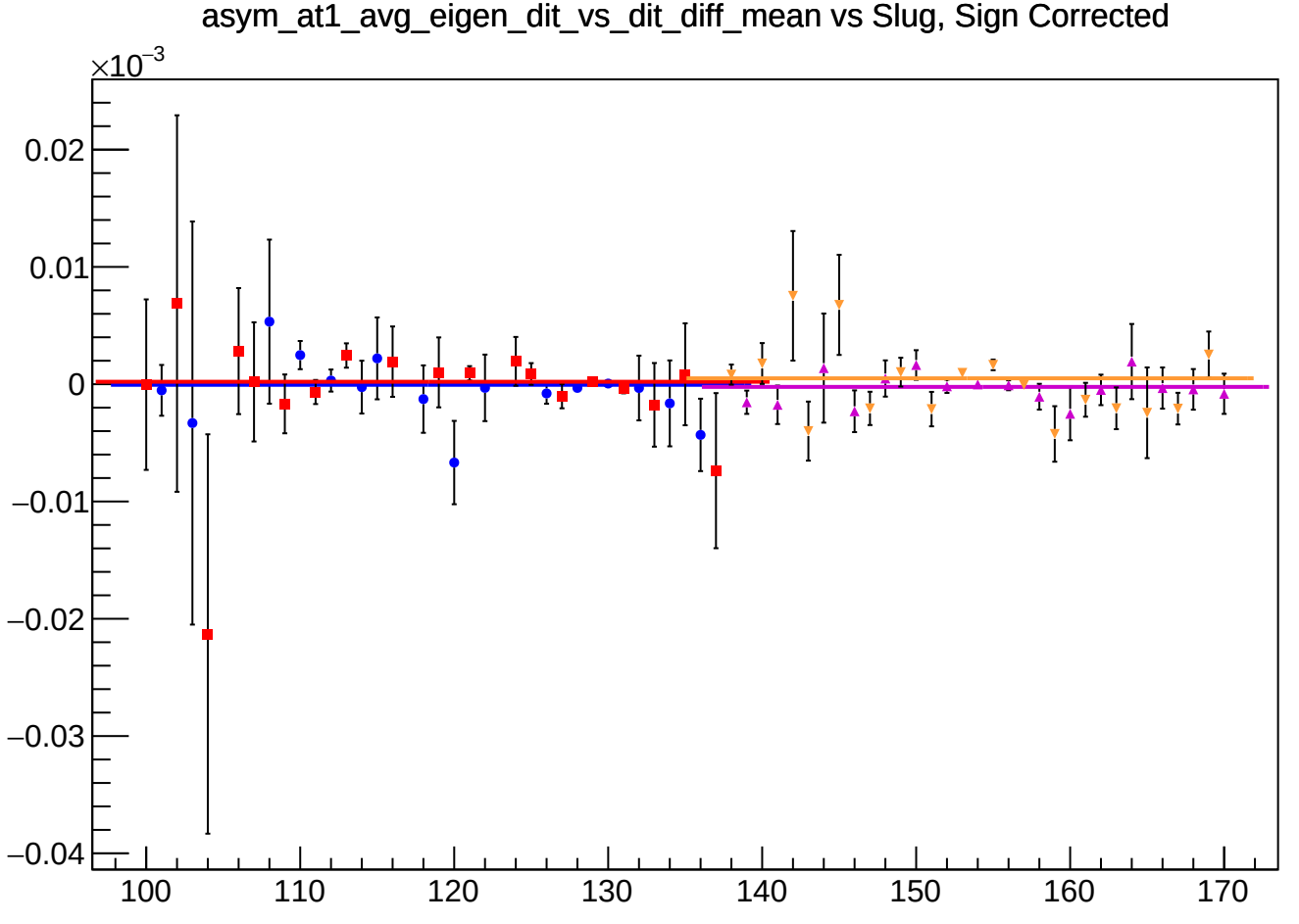
Left: 46.008+/-0.007 χ^2/NDF: 4621748.3/32

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.525+/-0.009 χ^2/NDF:4674820.7/31

Out: 48.577+/-0.009 χ^2/NDF:6585831.0/35

All: 48.550+/-0.006 χ^2/NDF: 11260668.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/15

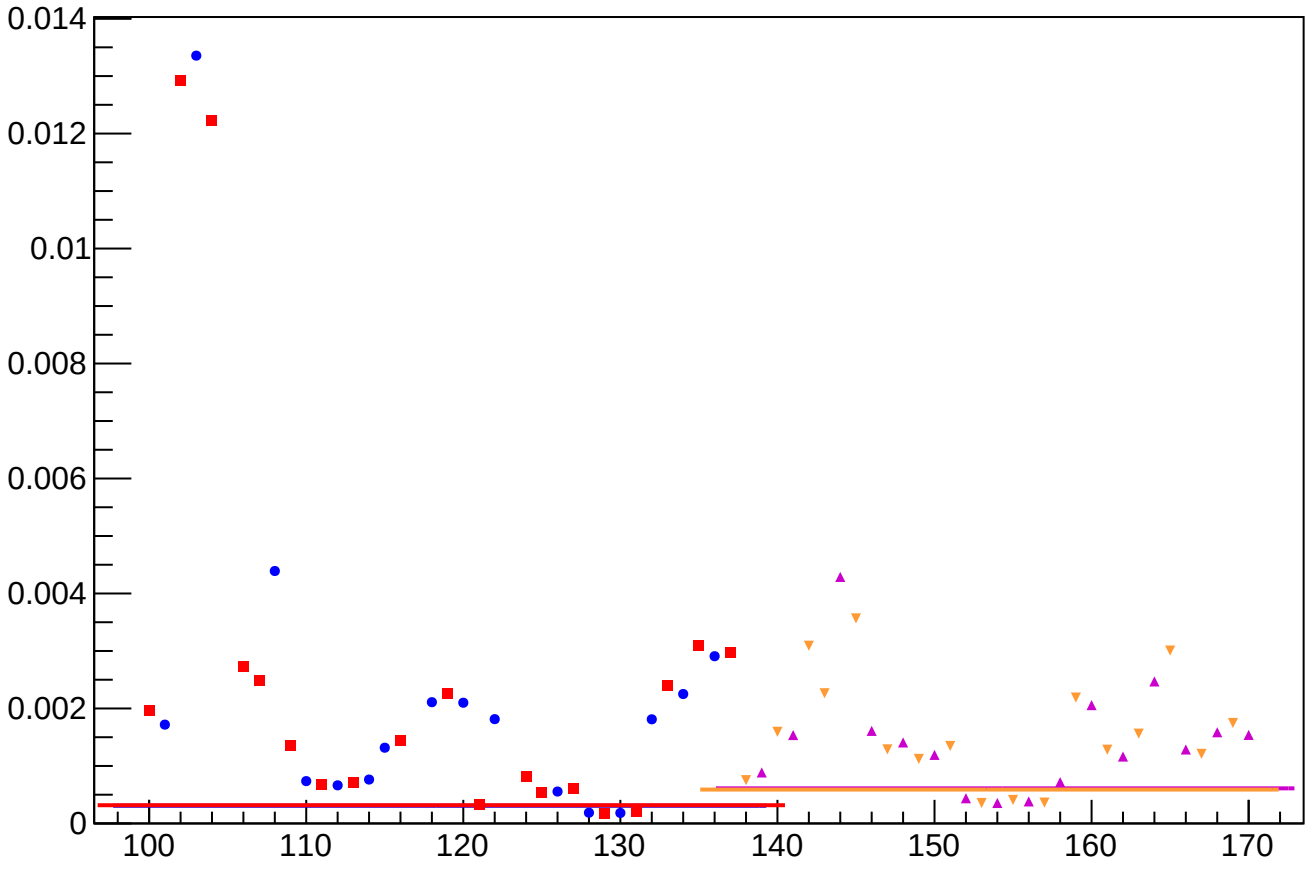
Left: 0.000+/-0.000 χ^2/NDF: 52.2/32

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.4/31

Out: 0.000+/-0.000 χ^2/NDF:53.8/35

All: 0.000+/-0.000 χ^2/NDF: 81.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9955388.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:8682875.3/15

Left: 0.001+/-0.000 χ^2/NDF: 18648156.0/32

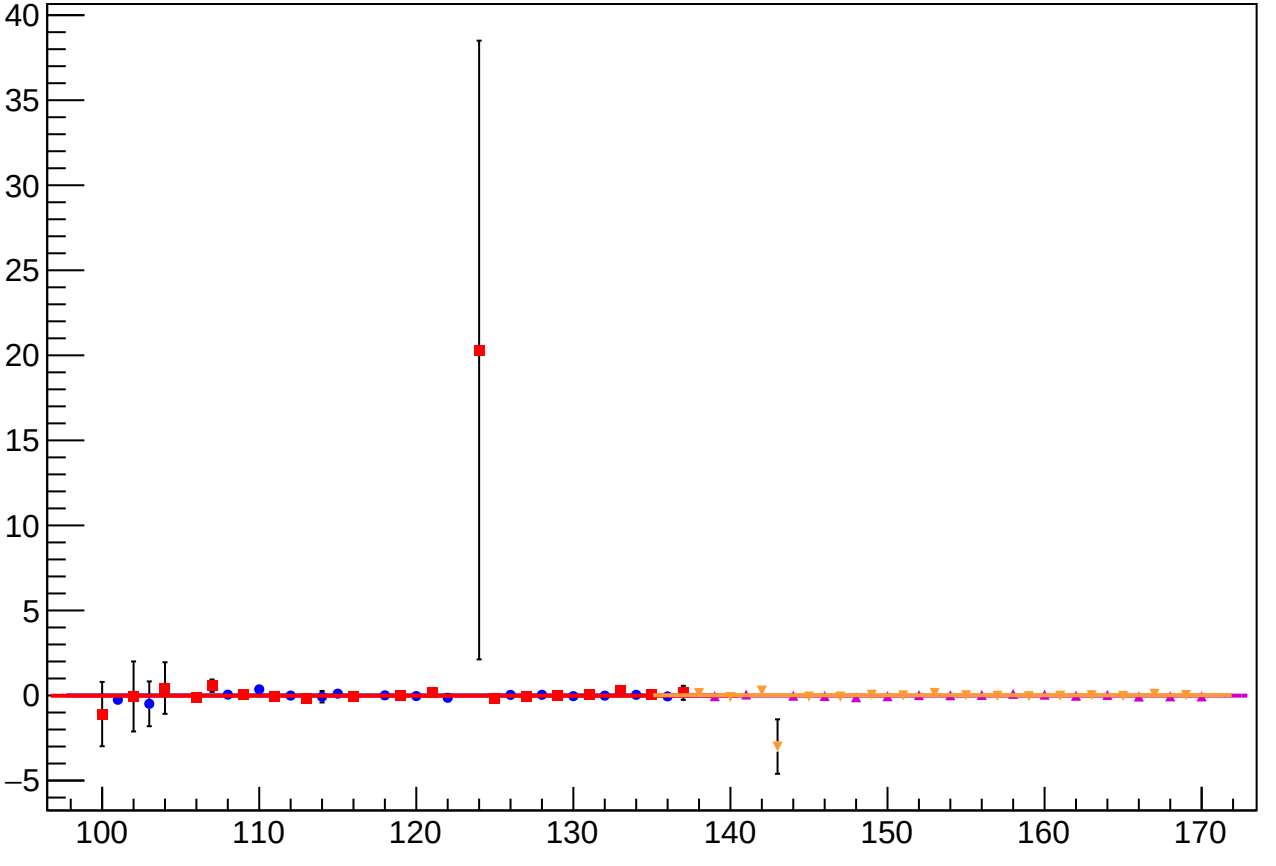
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:19593173.4/31

Out: 0.000+/-0.000 χ^2/NDF:19816691.5/35

All: 0.000+/-0.000 χ^2/NDF: 39409967.4/67

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/16

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/15

Left: 0.003+/-0.010 χ^2/NDF: 40.1/32

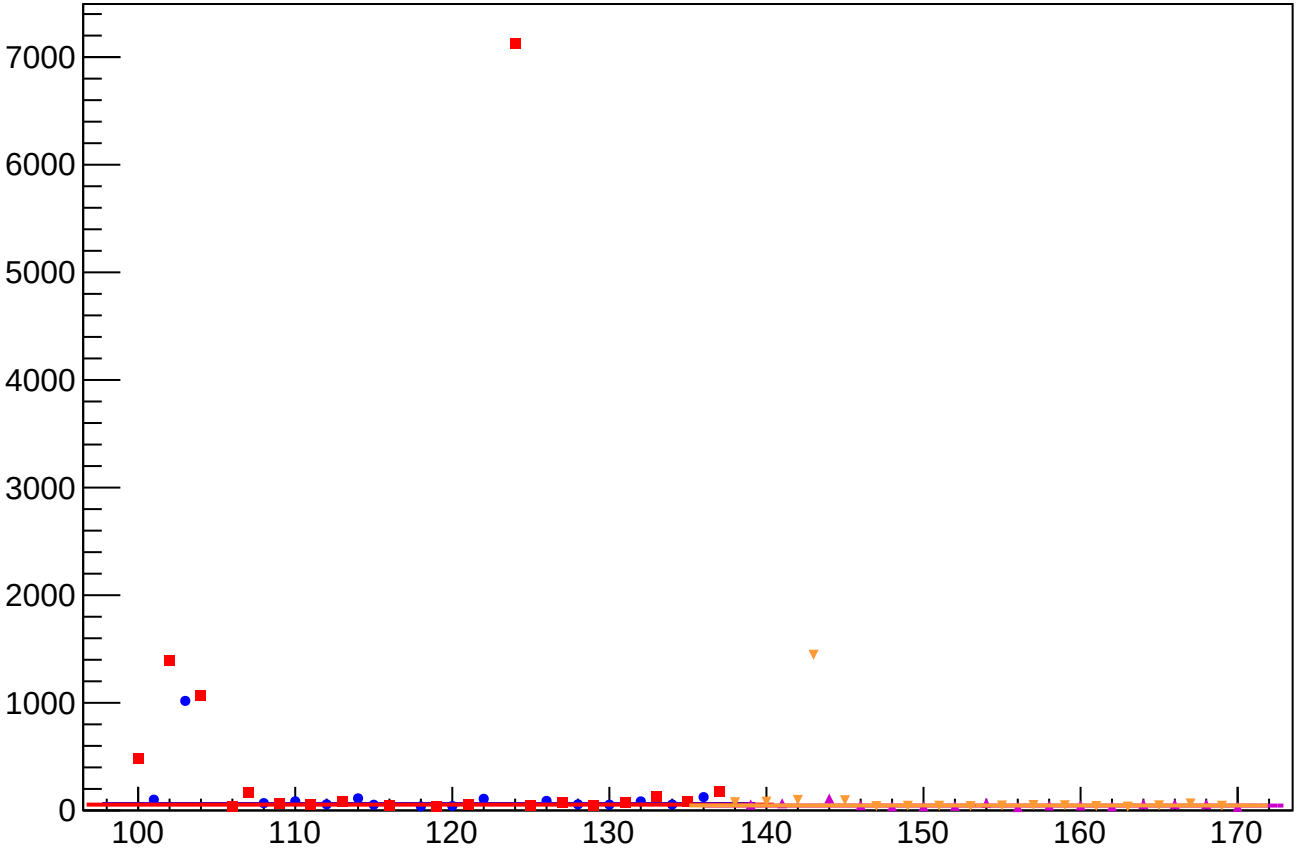
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.009+/-0.013 χ^2/NDF:42.8/35

All: 0.002+/-0.009 χ^2/NDF: 69.5/67

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: 46.725+/-0.010 χ^2/NDF:2936118.0/16

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.347+/-0.010 χ^2/NDF:1676531.0/15

Left: 46.008+/-0.007 χ^2/NDF: 4621739.0/32

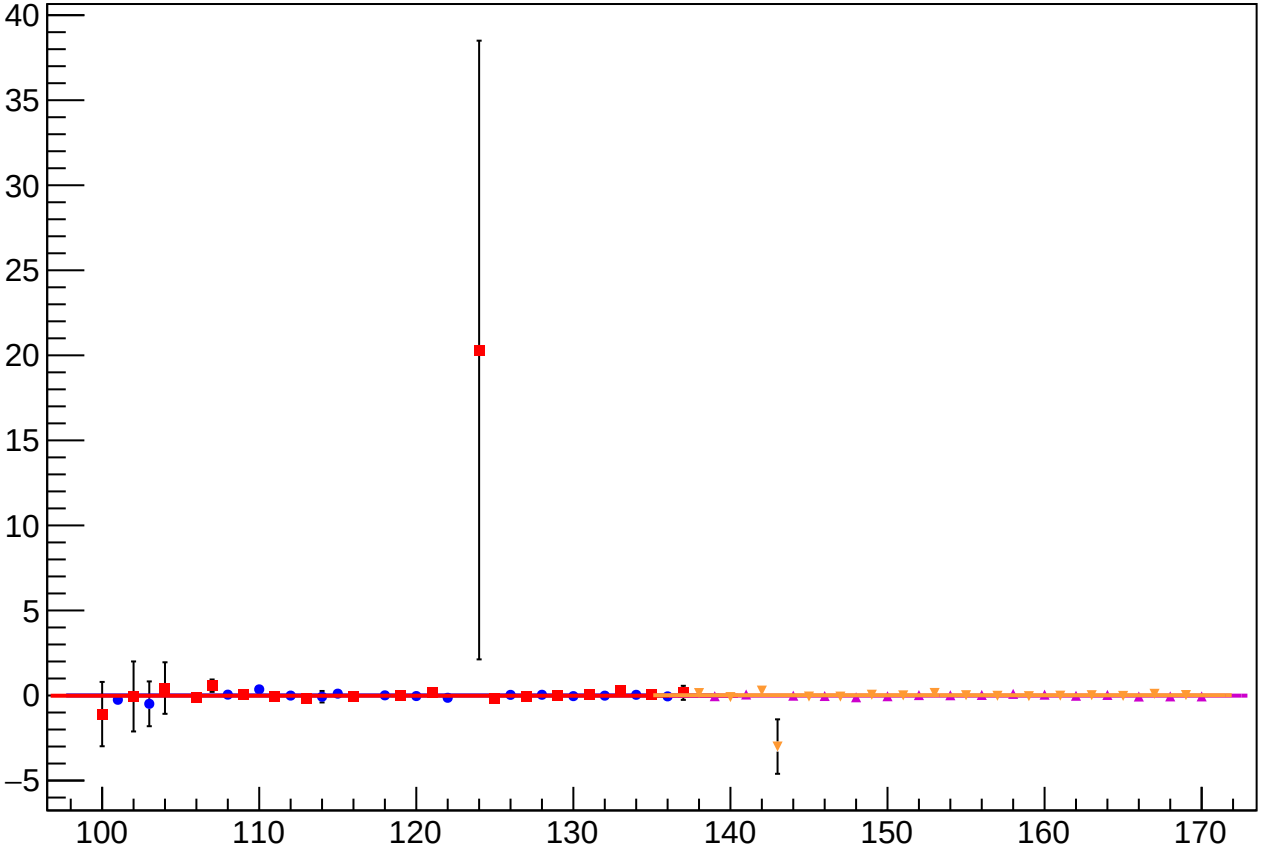
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.525+/-0.009 χ^2/NDF:4674825.9/31

Out: 48.577+/-0.009 χ^2/NDF:6585834.1/35

All: 48.550+/-0.006 χ^2/NDF: 11260676.5/67

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.015 χ^2/NDF:24.3/16

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/15

Left: 0.003+/-0.010 χ^2/NDF: 40.1/32

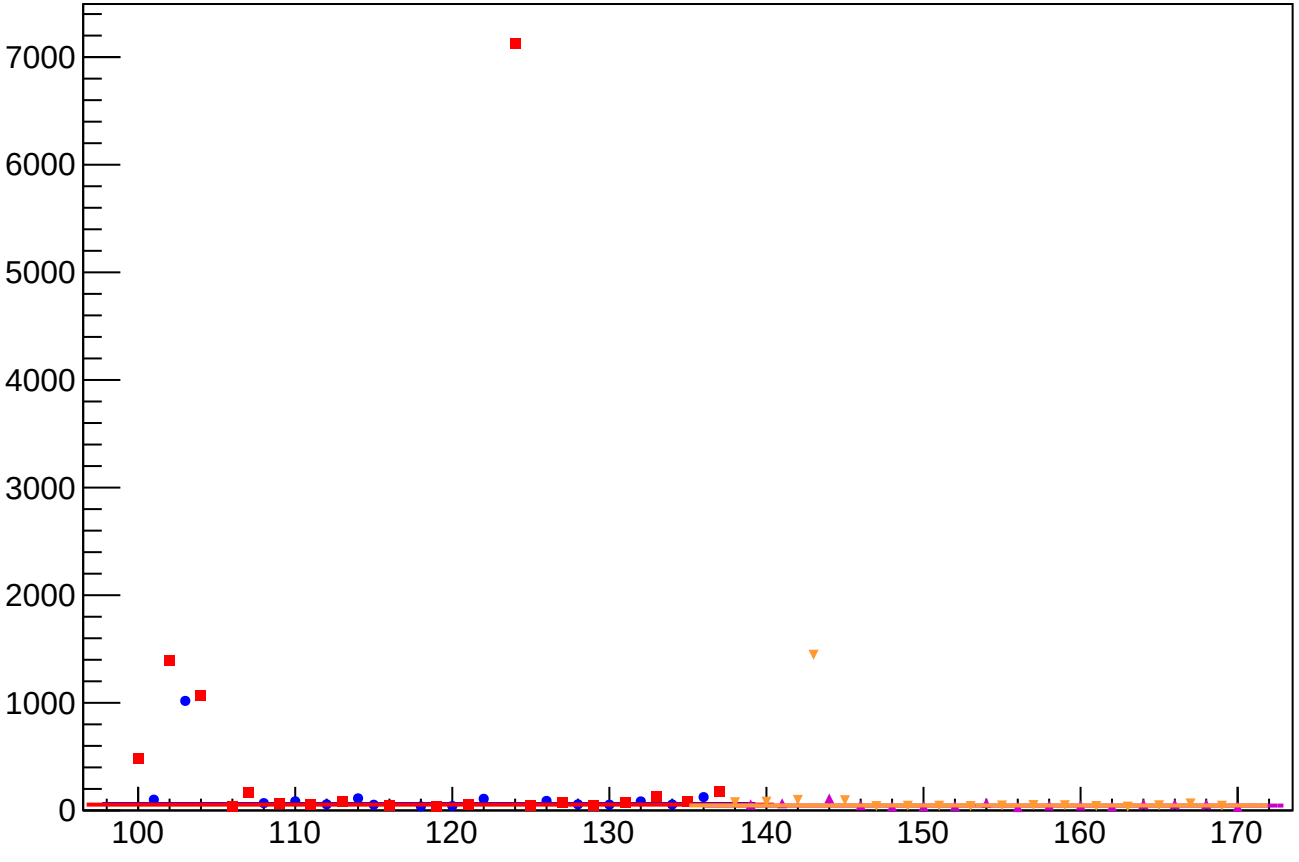
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.009+/-0.013 χ^2/NDF:42.8/35

All: 0.002+/-0.009 χ^2/NDF: 69.5/67

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: 46.725+/-0.010 χ^2/NDF:2936118.0/16

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.347+/-0.010 χ^2/NDF:1676531.0/15

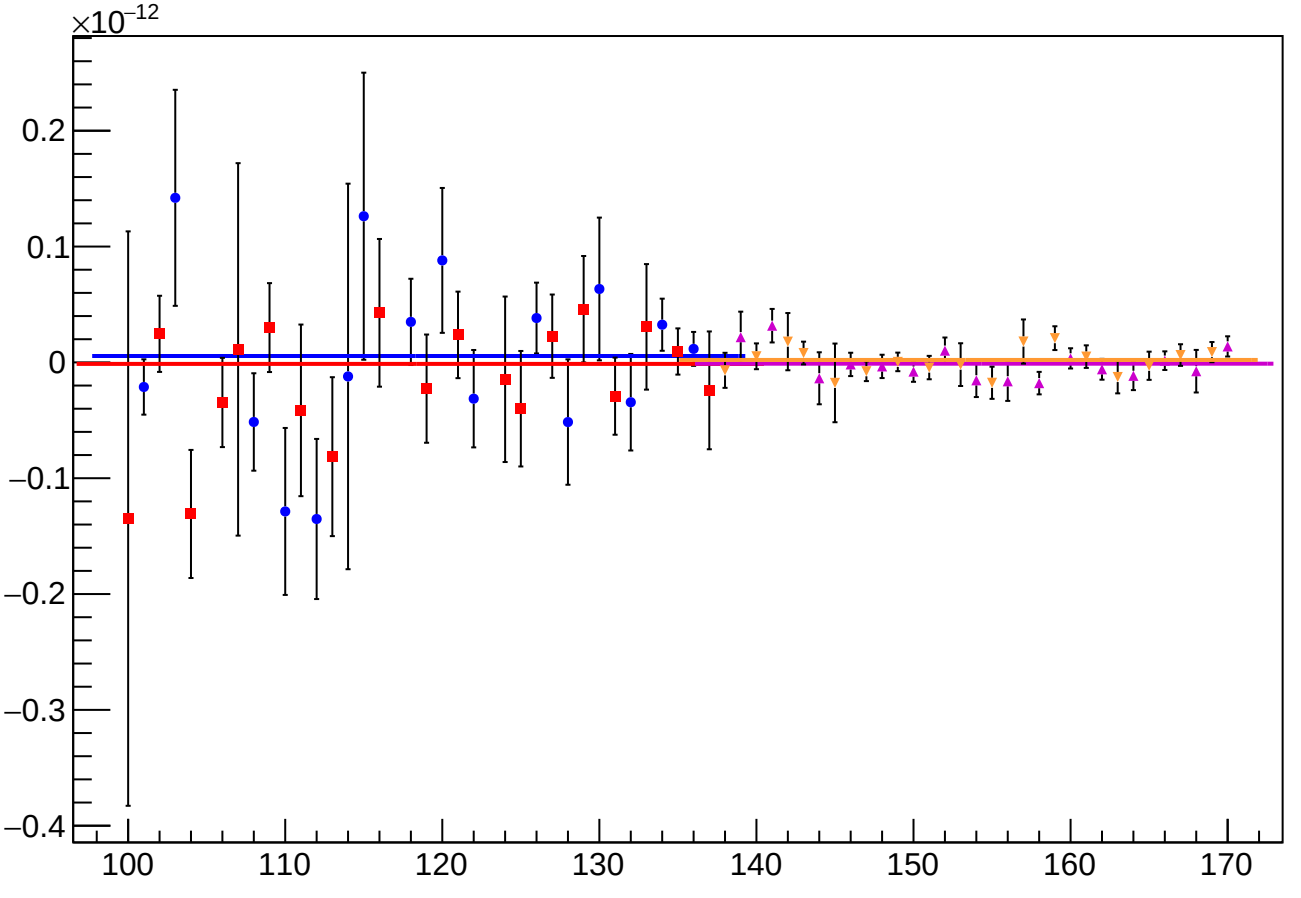
Left: 46.008+/-0.007 χ^2/NDF: 4621739.0/32

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.525+/-0.009 χ^2/NDF:4674825.9/31

Out: 48.577+/-0.009 χ^2/NDF:6585834.1/35

All: 48.550+/-0.006 χ^2/NDF: 11260676.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

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

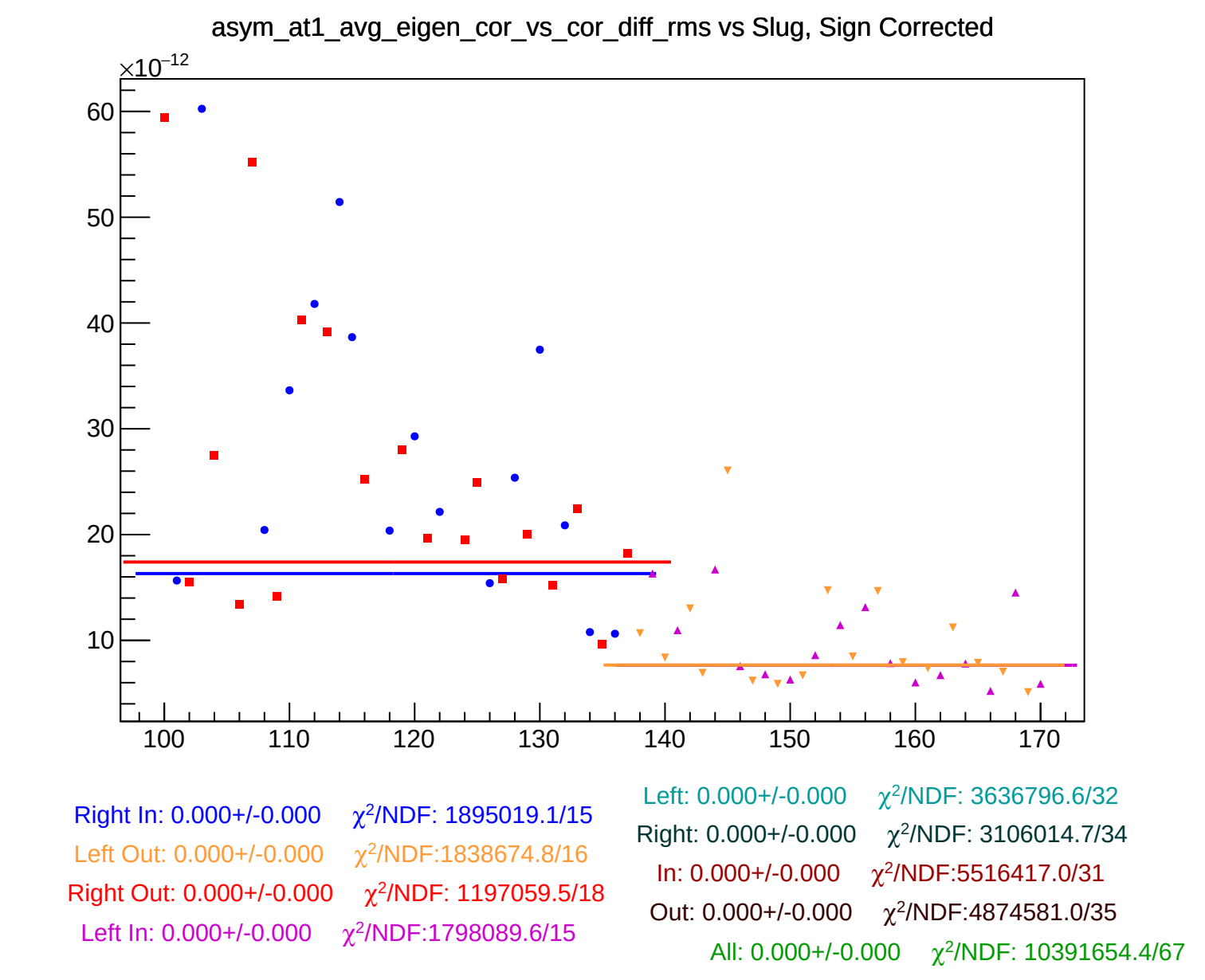
Left: 0.000+/-0.000 χ^2/NDF: 29.7/32

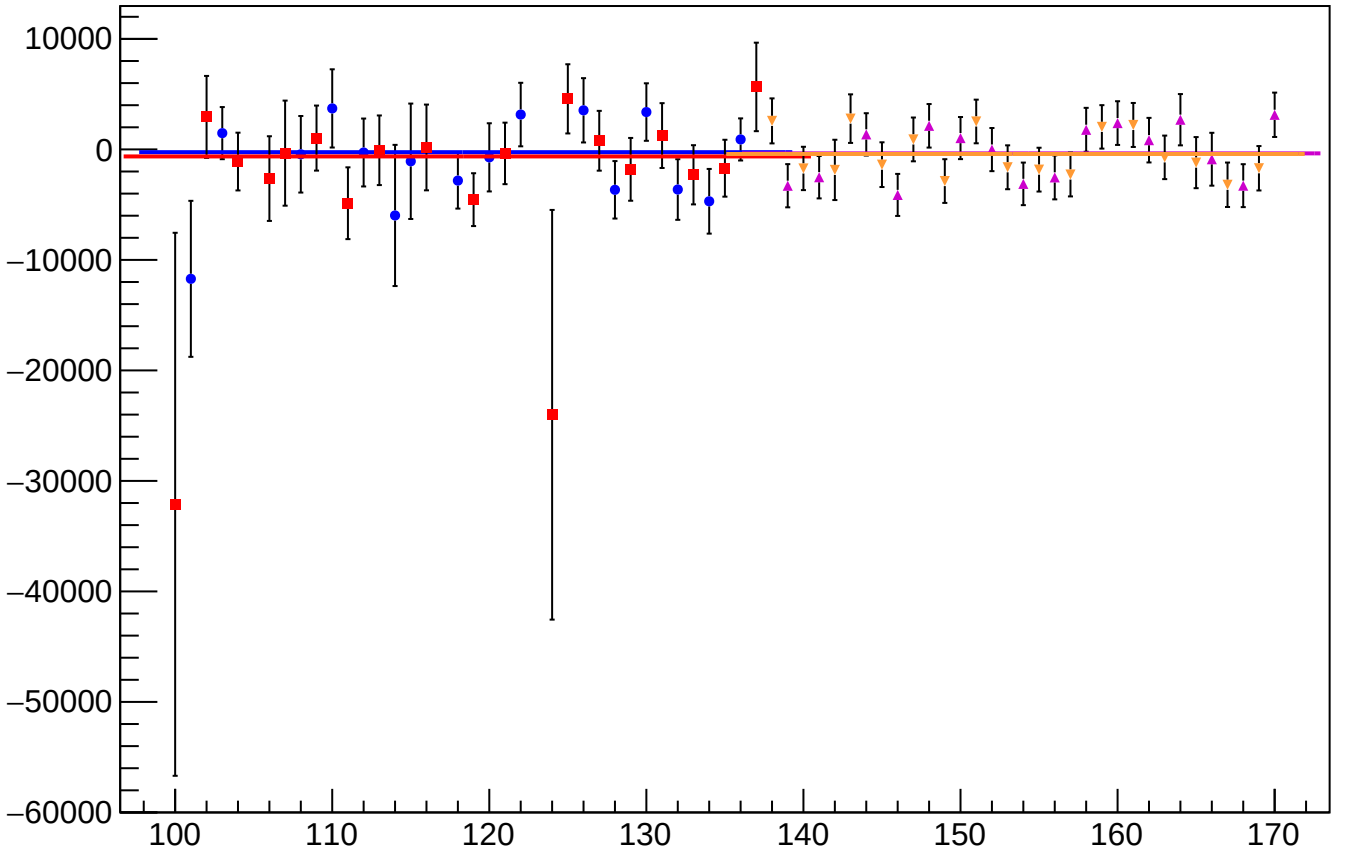
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:40.5/31

Out: 0.000+/-0.000 χ^2/NDF:26.0/35

All: 0.000+/-0.000 χ^2/NDF: 66.9/67


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1838674.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1798089.6/15
Left: 0.000+/-0.000 χ²/NDF: 3636796.6/32
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5516417.0/31
Out: 0.000+/-0.000 χ²/NDF:4874581.0/35
All: 0.000+/-0.000 χ²/NDF: 10391654.4/67



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -413.806+/-495.915 χ^2/NDF:17.0/16

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -359.358+/-498.205 χ^2/NDF:24.1/15

Left: -386.708+/-351.472 χ^2/NDF: 41.1/32

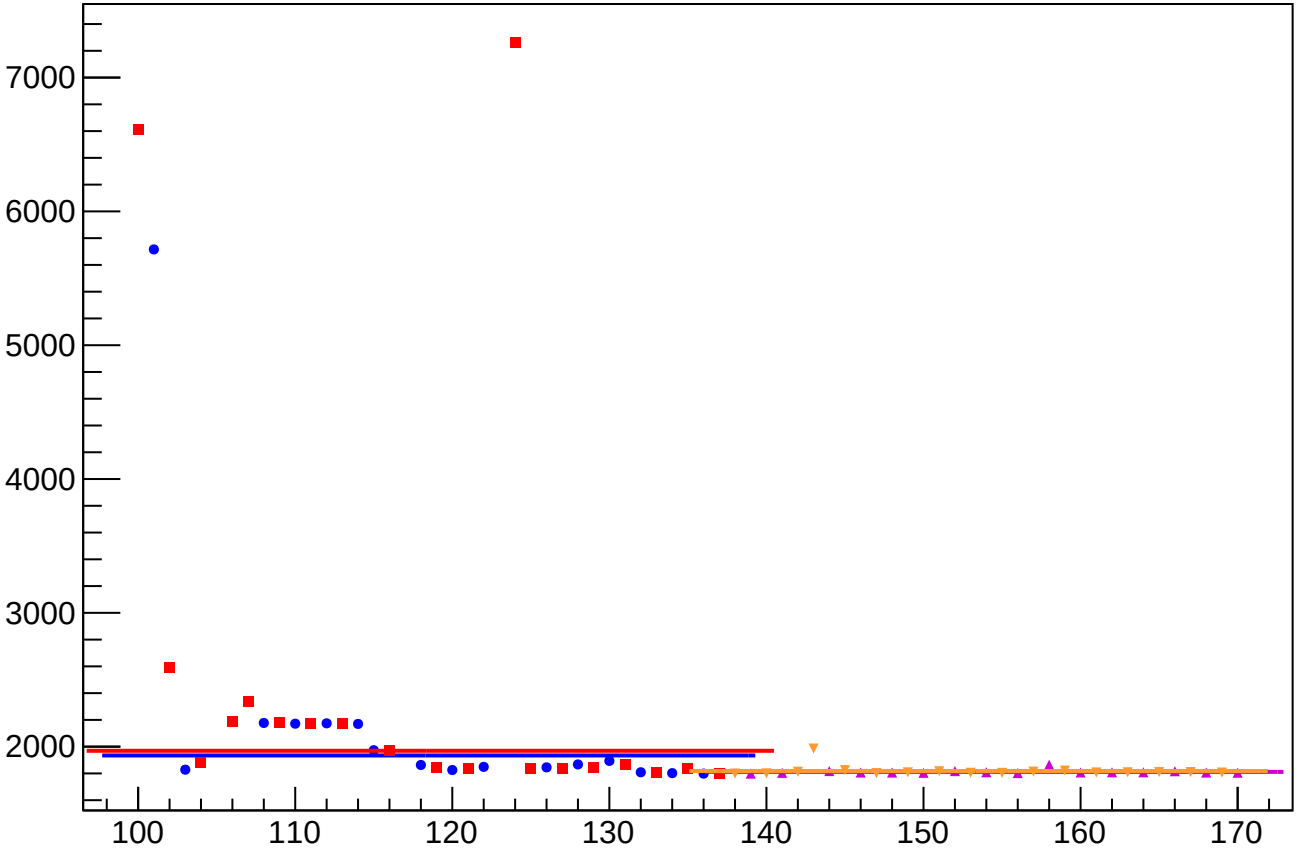
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -325.346+/-412.414 χ^2/NDF:41.4/31

Out: -483.278+/-411.177 χ^2/NDF:32.9/35

All: -404.550+/-291.182 χ^2/NDF: 74.4/67

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1818.185+/-0.351 χ^2/NDF:12620.6/16

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

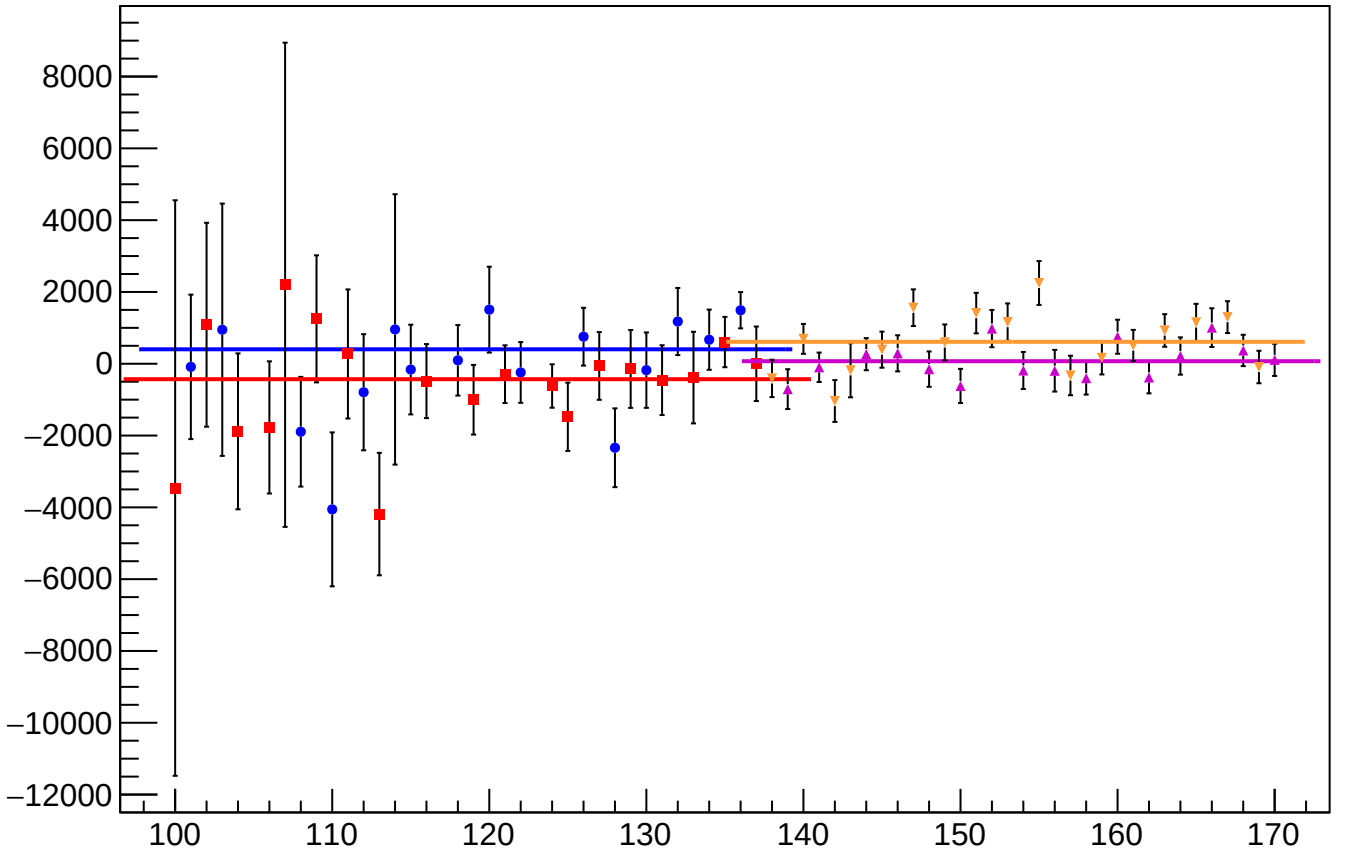
Left: 1814.877+/-0.249 χ^2/NDF: 14570.2/32

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1850.151+/-0.292 χ^2/NDF:679859.5/31

Out: 1865.386+/-0.291 χ^2/NDF:448968.9/35

All: 1857.791+/-0.206 χ^2/NDF: 1130197.1/67



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 611.004+/-121.859 χ^2/NDF:37.2/16

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 71.038+/-120.559 χ^2/NDF:16.1/15

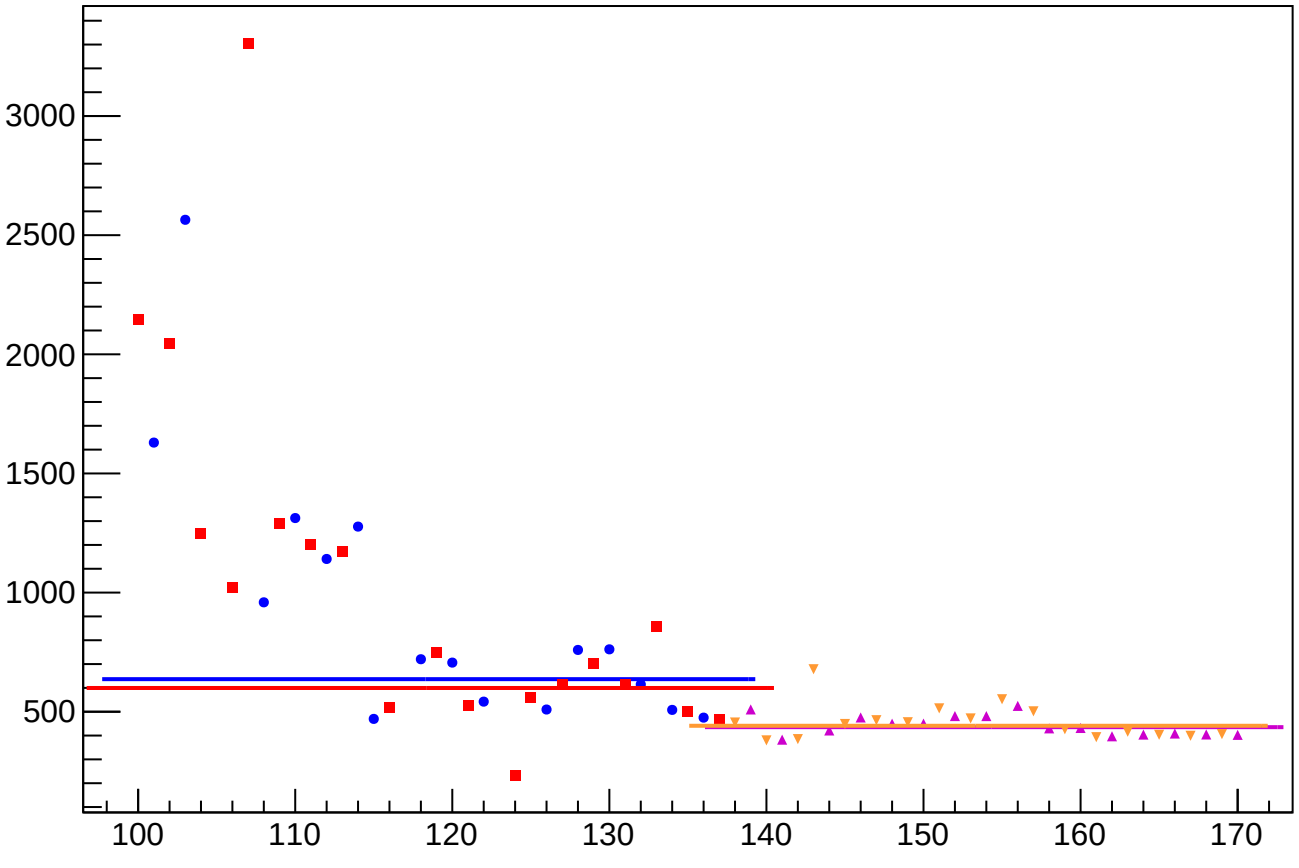
Left: 338.125+/-85.704 χ^2/NDF: 63.2/32

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 130.248+/-109.266 χ^2/NDF:38.6/31

Out: 414.742+/-109.773 χ^2/NDF:62.7/35

All: 271.836+/-77.441 χ^2/NDF: 104.7/67



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 441.040+/-0.086 χ^2/NDF:472143.6/16

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 435.231+/-0.085 χ^2/NDF:214789.9/15

Left: 438.104+/-0.061 χ^2/NDF: 689231.0/32

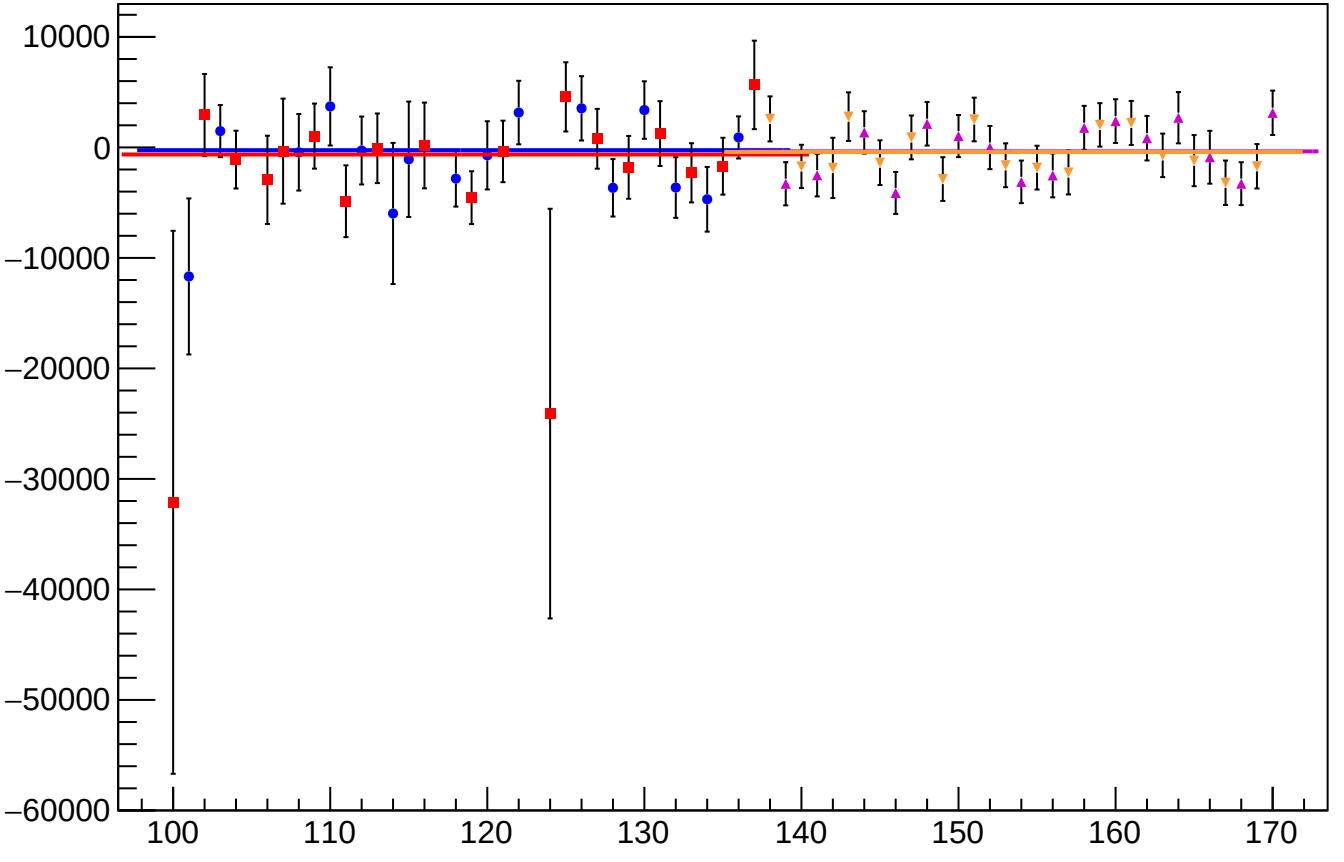
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 471.206+/-0.077 χ^2/NDF:3279037.9/31

Out: 470.938+/-0.078 χ^2/NDF:4054845.2/35

All: 471.073+/-0.055 χ^2/NDF: 7333889.1/67

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -413.852+/-495.915 χ^2/NDF:16.9/16

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.366+/-498.205 χ^2/NDF:24.1/15

Left: -386.735+/-351.472 χ^2/NDF: 41.1/32

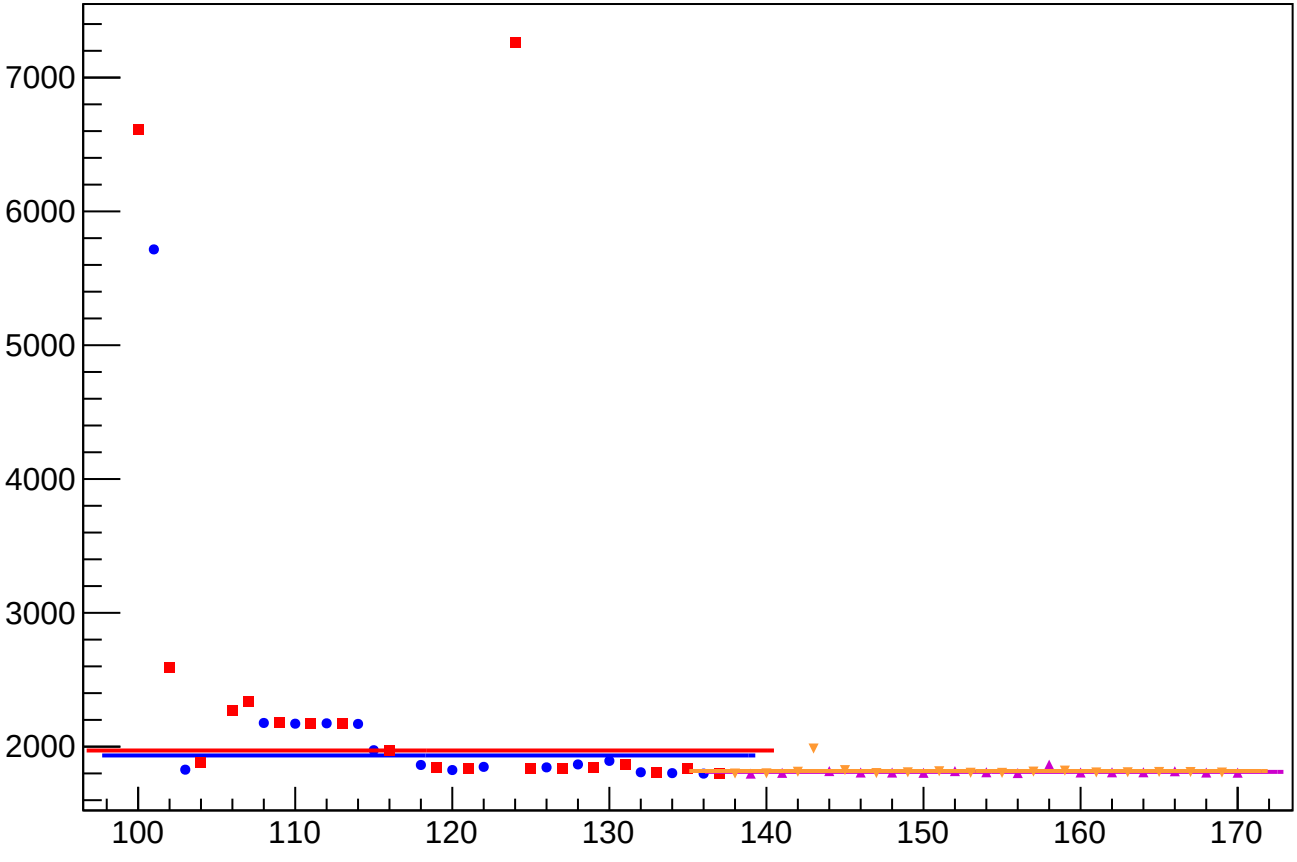
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -325.097+/-412.414 χ^2/NDF:41.4/31

Out: -484.663+/-411.364 χ^2/NDF:33.0/35

All: -405.083+/-291.249 χ^2/NDF: 74.4/67

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.185+/-0.351 χ^2/NDF:12620.6/16

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

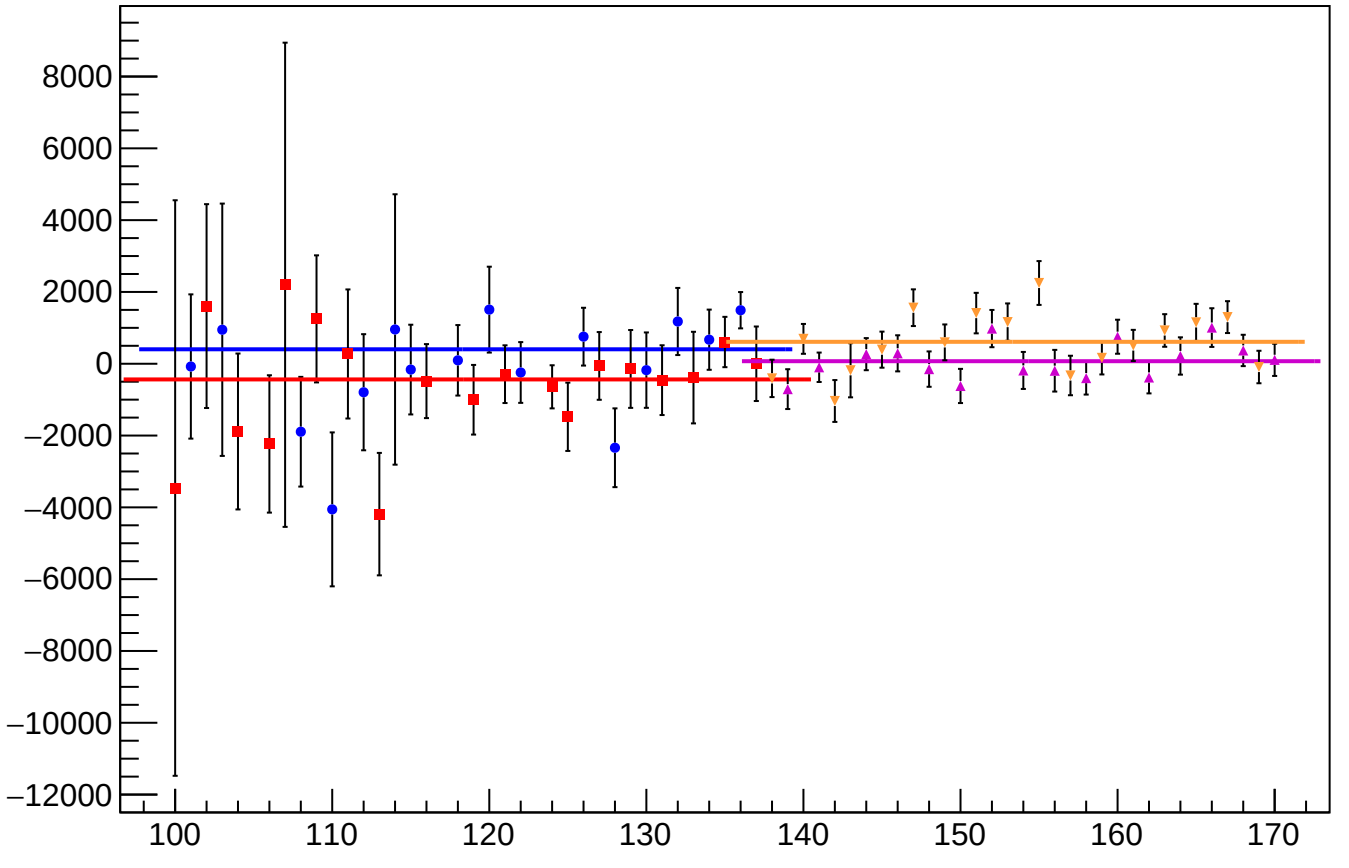
Left: 1814.877+/-0.249 χ^2/NDF: 14570.2/32

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1850.151+/-0.292 χ^2/NDF:679859.4/31

Out: 1865.963+/-0.291 χ^2/NDF:455311.8/35

All: 1858.077+/-0.206 χ^2/NDF: 1136644.9/67



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 610.938+/-121.859 χ^2/NDF:37.2/16

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 71.059+/-120.558 χ^2/NDF:16.1/15

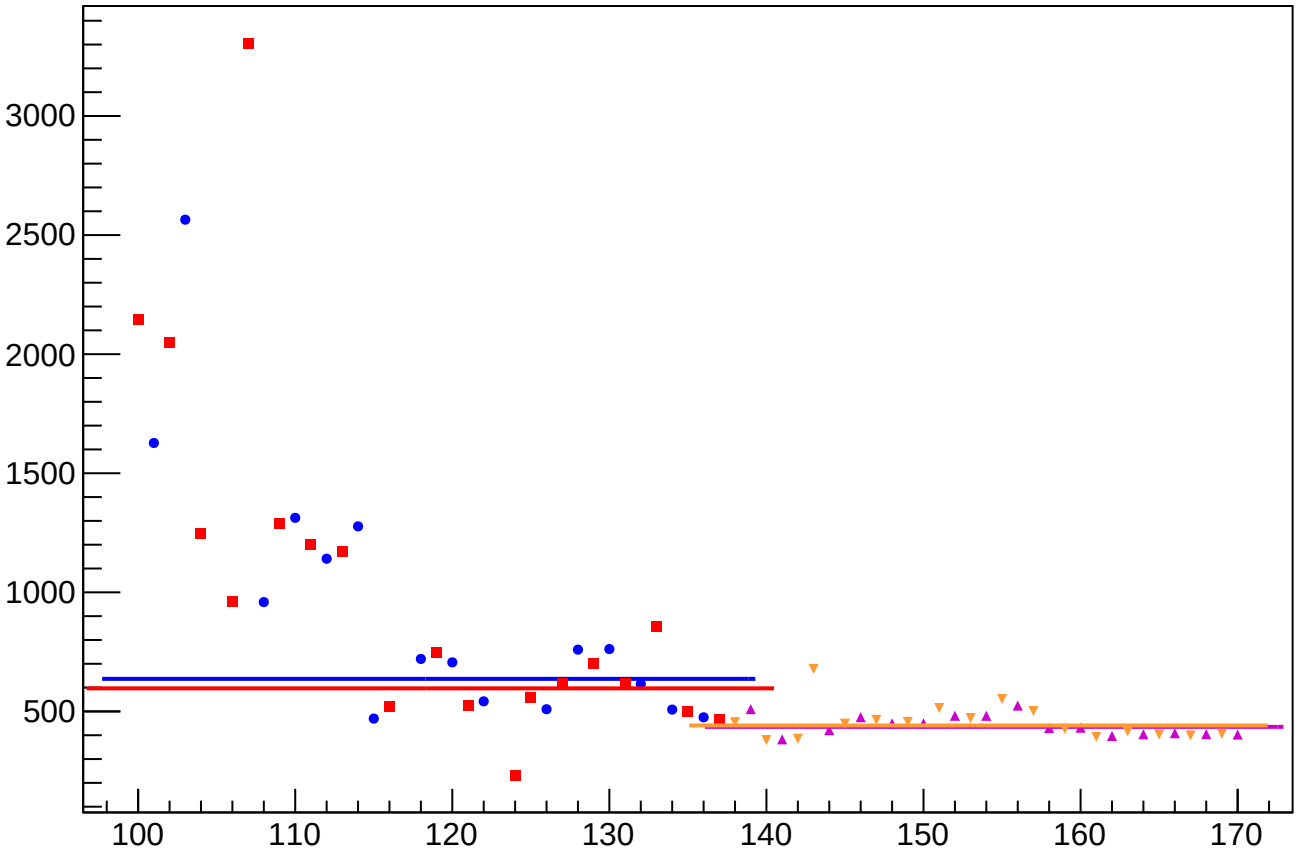
Left: 338.101+/-85.704 χ^2/NDF: 63.3/32

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.283+/-109.264 χ^2/NDF:38.6/31

Out: 413.247+/-109.761 χ^2/NDF:63.5/35

All: 271.123+/-77.437 χ^2/NDF: 105.5/67



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 441.042+/-0.086 χ^2/NDF:472100.4/16

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 435.227+/-0.085 χ^2/NDF:214790.2/15

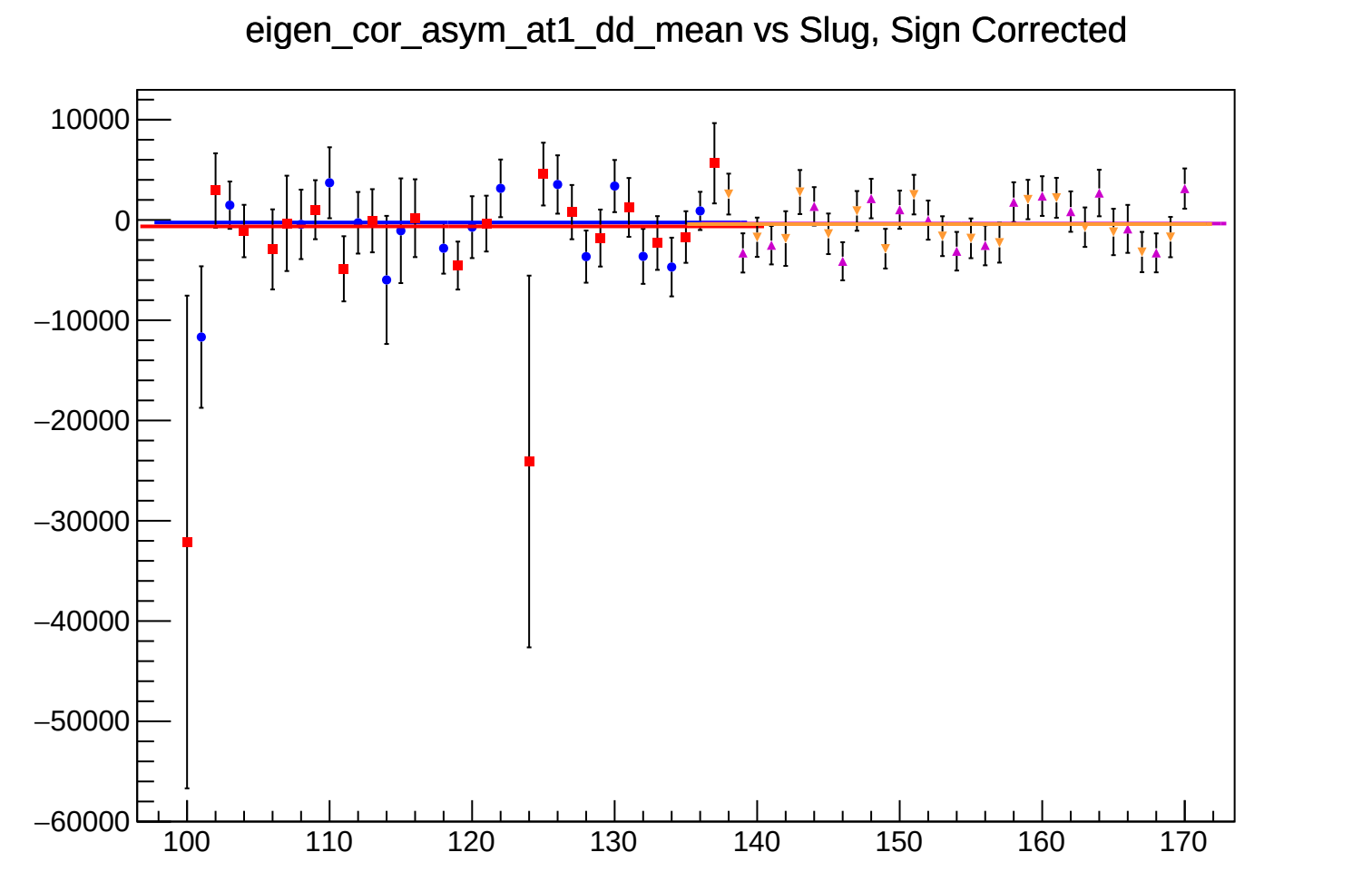
Left: 438.103+/-0.061 χ^2/NDF: 689192.4/32

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 471.205+/-0.077 χ^2/NDF:3278257.4/31

Out: 470.446+/-0.078 χ^2/NDF:4019620.9/35

All: 470.827+/-0.055 χ^2/NDF: 7297926.3/67



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -413.852+/-495.915 χ^2/NDF:16.9/16

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.366+/-498.205 χ^2/NDF:24.1/15

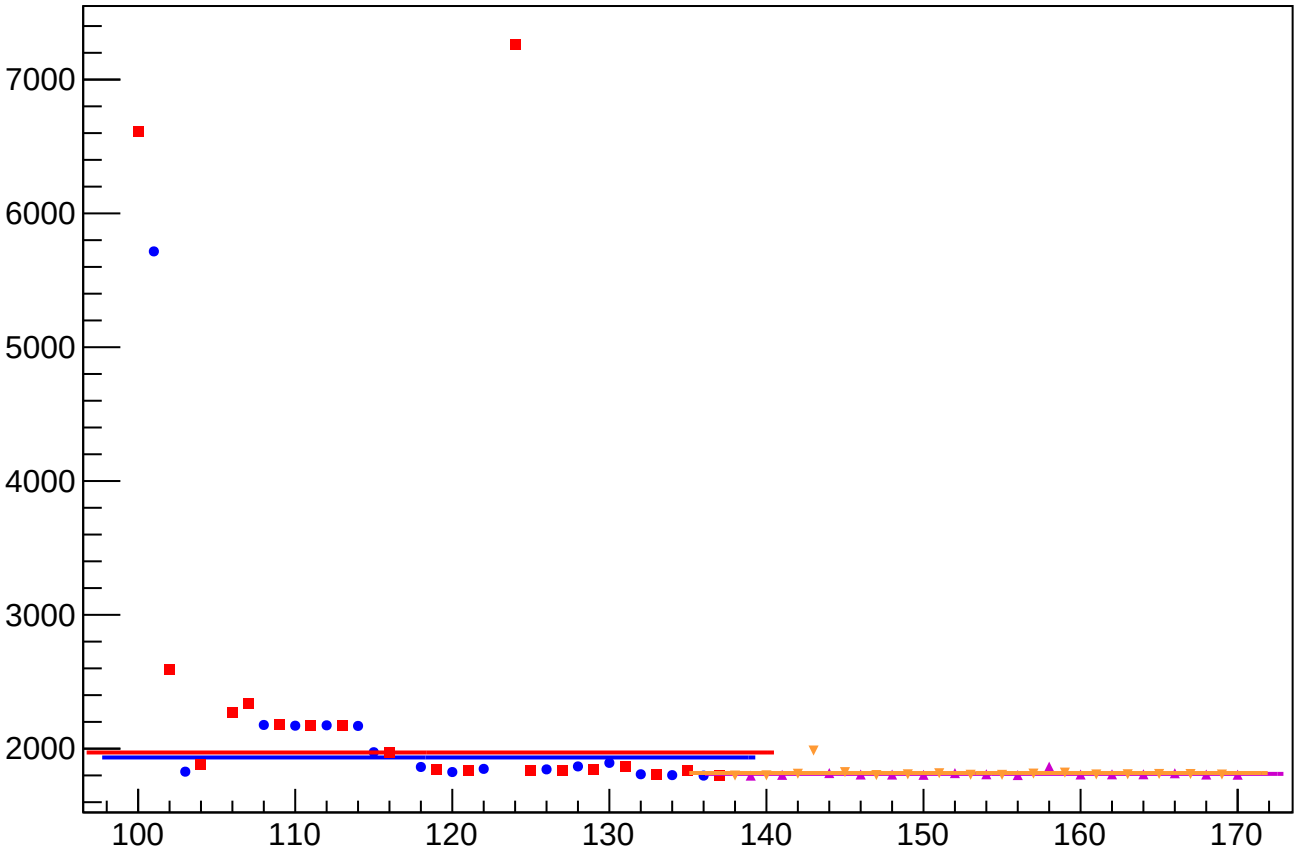
Left: -386.735+/-351.472 χ^2/NDF: 41.1/32

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -325.097+/-412.414 χ^2/NDF:41.4/31

Out: -484.663+/-411.364 χ^2/NDF:33.0/35

All: -405.083+/-291.249 χ^2/NDF: 74.4/67



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1818.185+/-0.351 χ^2/NDF:12620.6/16

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

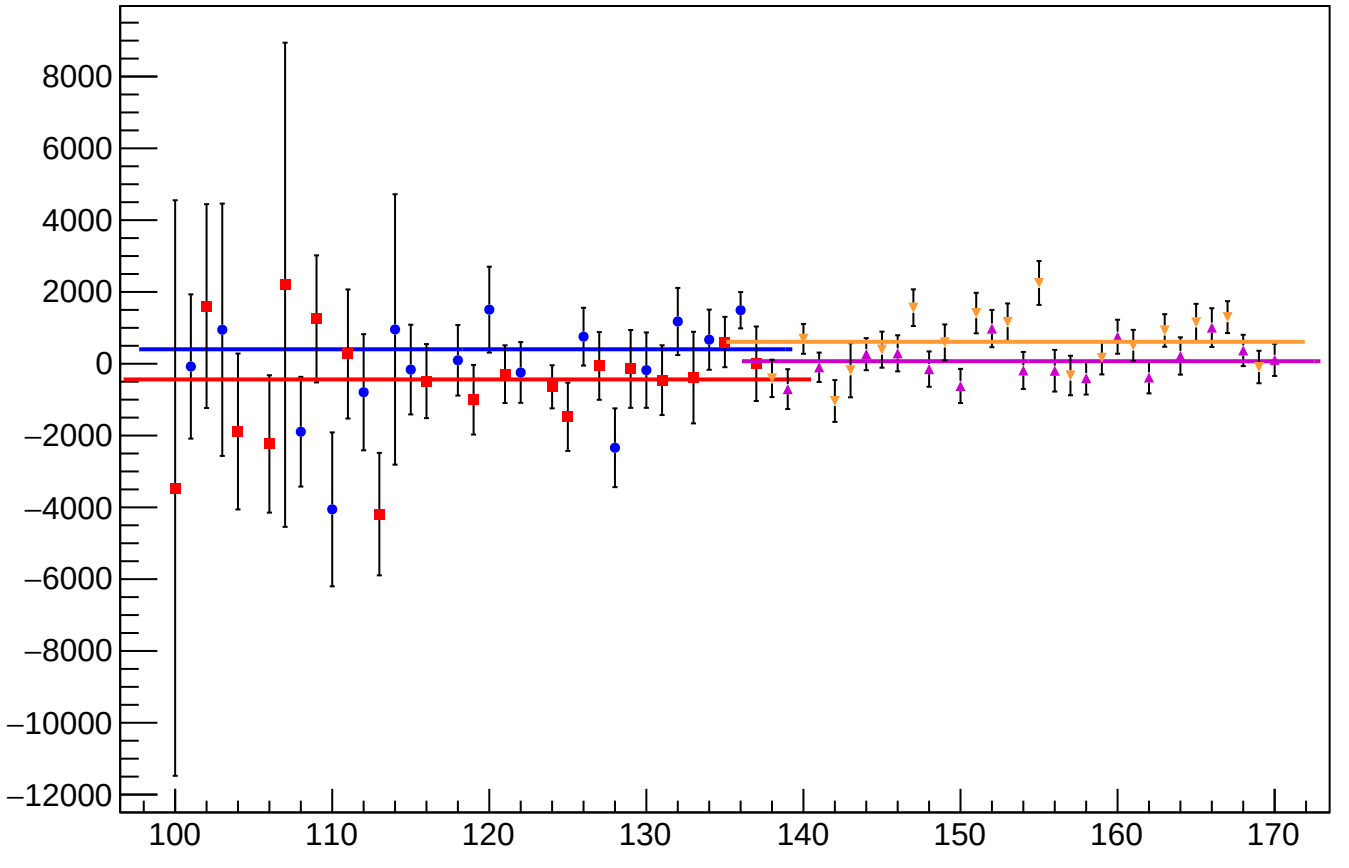
Left: 1814.877+/-0.249 χ^2/NDF: 14570.2/32

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1850.151+/-0.292 χ^2/NDF:679859.4/31

Out: 1865.963+/-0.291 χ^2/NDF:455311.8/35

All: 1858.077+/-0.206 χ^2/NDF: 1136644.9/67



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 610.938+/-121.859 χ^2/NDF:37.2/16

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 71.059+/-120.558 χ^2/NDF:16.1/15

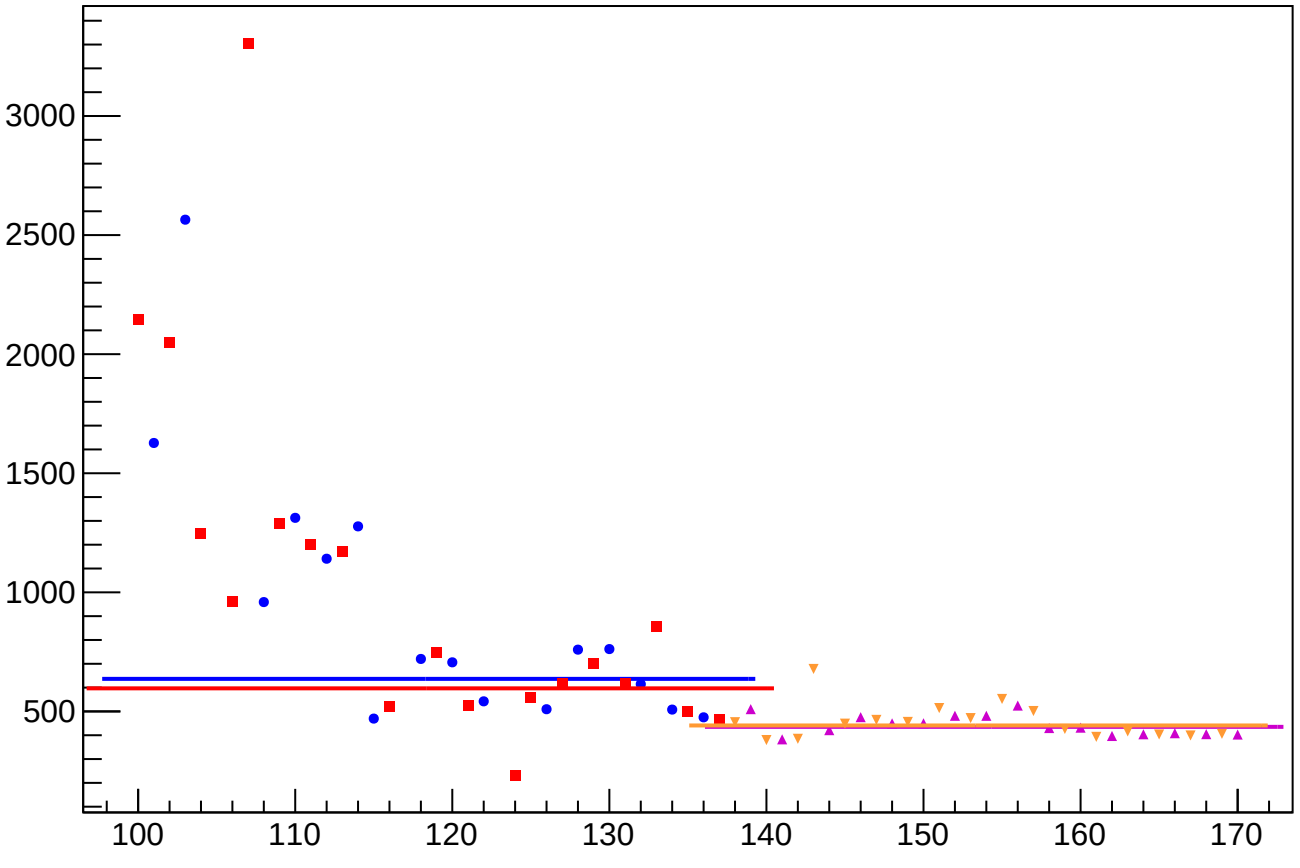
Left: 338.101+/-85.704 χ^2/NDF: 63.3/32

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.283+/-109.264 χ^2/NDF:38.6/31

Out: 413.247+/-109.761 χ^2/NDF:63.5/35

All: 271.123+/-77.437 χ^2/NDF: 105.5/67



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 441.042+/-0.086 χ^2/NDF:472100.4/16

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 435.227+/-0.085 χ^2/NDF:214790.2/15

Left: 438.103+/-0.061 χ^2/NDF: 689192.4/32

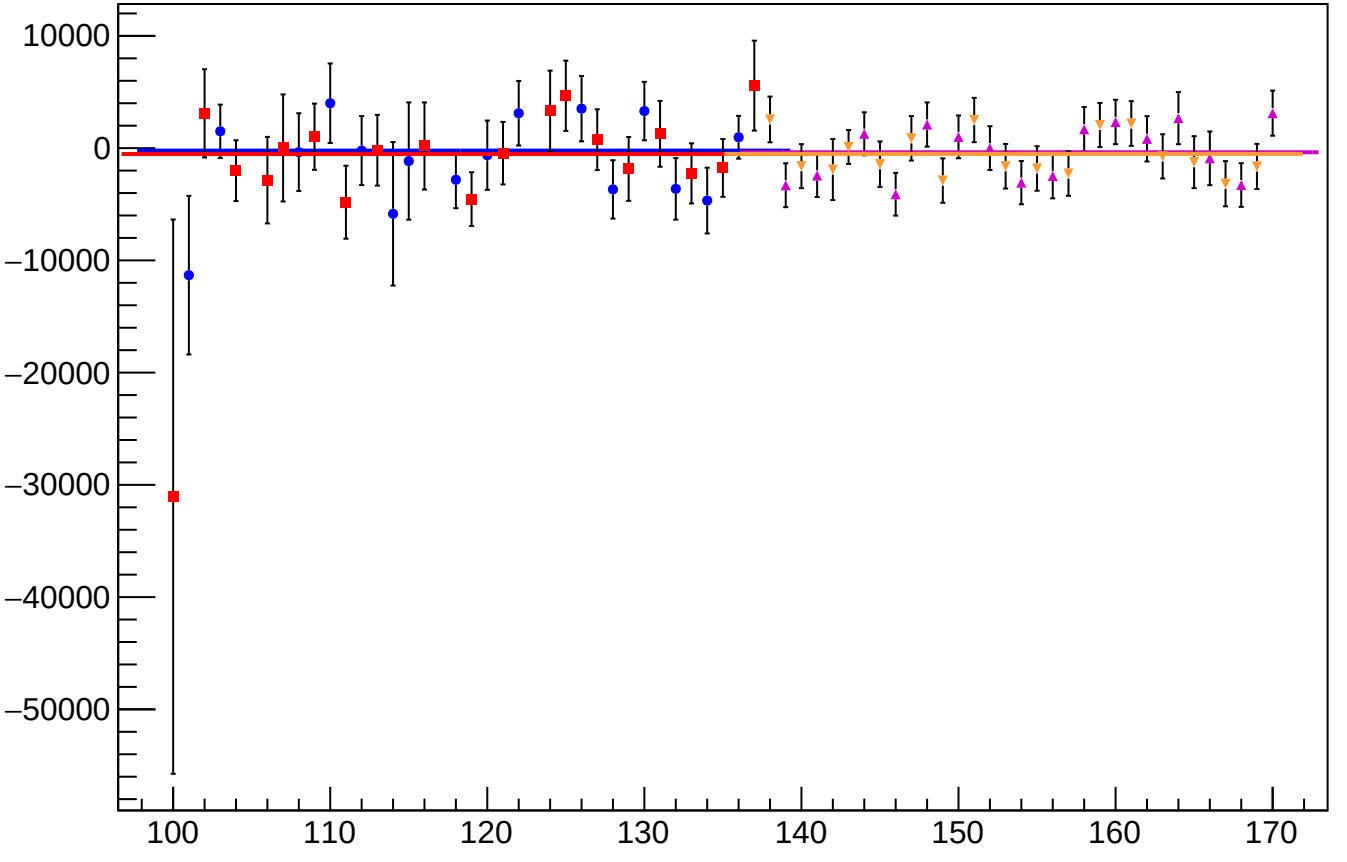
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 471.205+/-0.077 χ^2/NDF:3278257.4/31

Out: 470.446+/-0.078 χ^2/NDF:4019620.9/35

All: 470.827+/-0.055 χ^2/NDF: 7297926.3/67

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -512.642+/-482.436 χ^2/NDF:14.7/16

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -367.353+/-498.372 χ^2/NDF:23.6/15

Left: -442.358+/-346.631 χ^2/NDF: 38.3/32

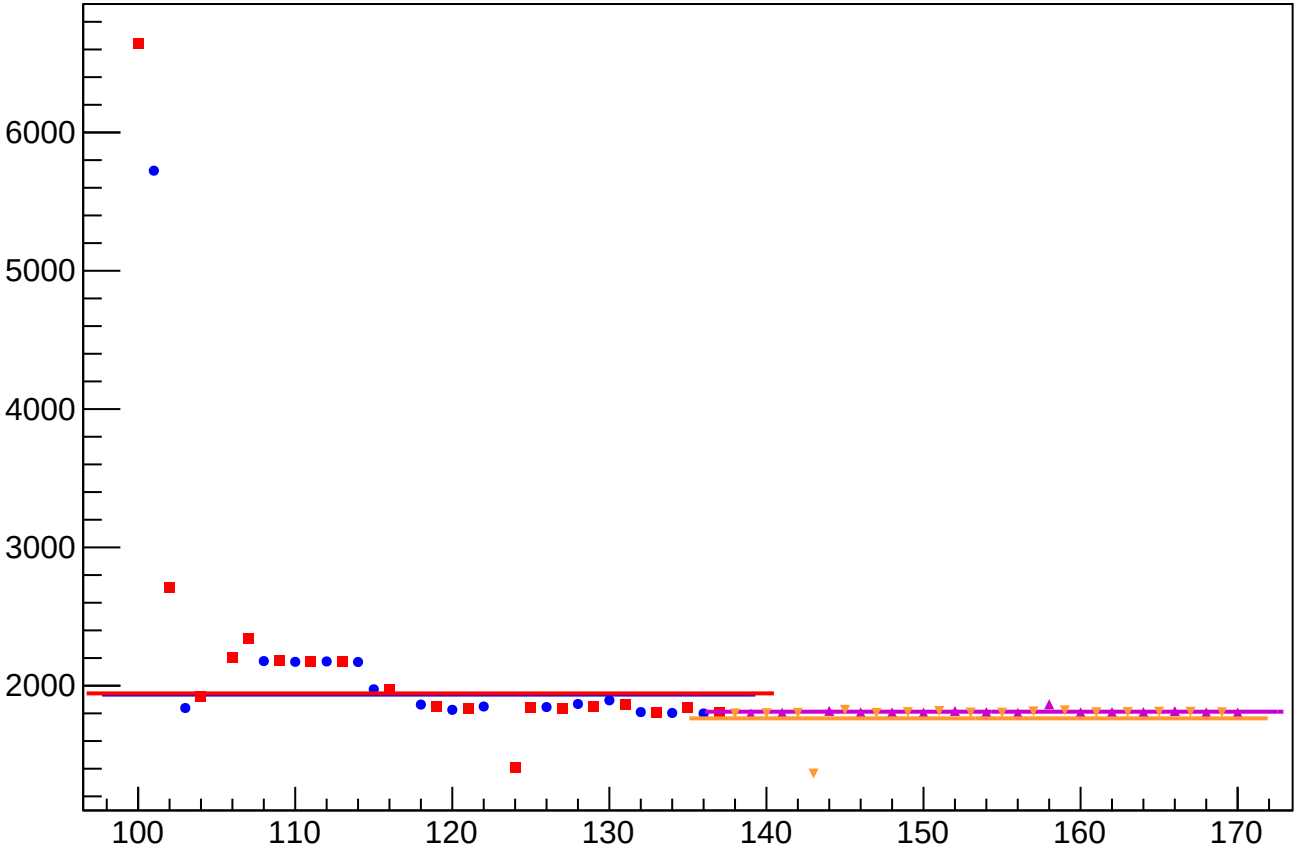
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.144+/-412.646 χ^2/NDF:40.7/31

Out: -514.982+/-401.637 χ^2/NDF:30.3/35

All: -420.683+/-287.814 χ^2/NDF: 71.1/67

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1763.990+/-0.341 χ^2/NDF:156496.8/16

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.148+/-0.352 χ^2/NDF:1766.3/15

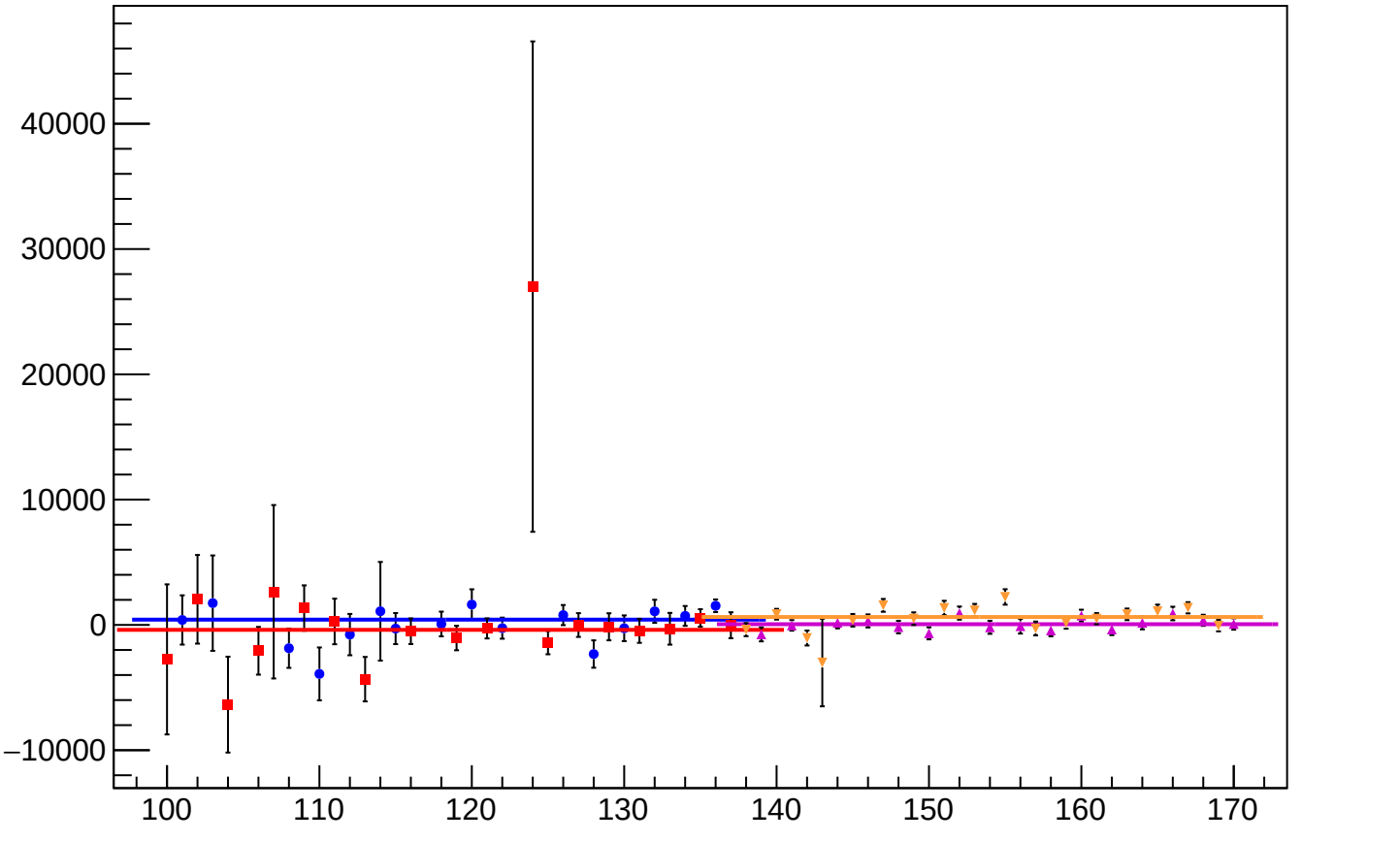
Left: 1787.287+/-0.245 χ^2/NDF: 167904.1/32

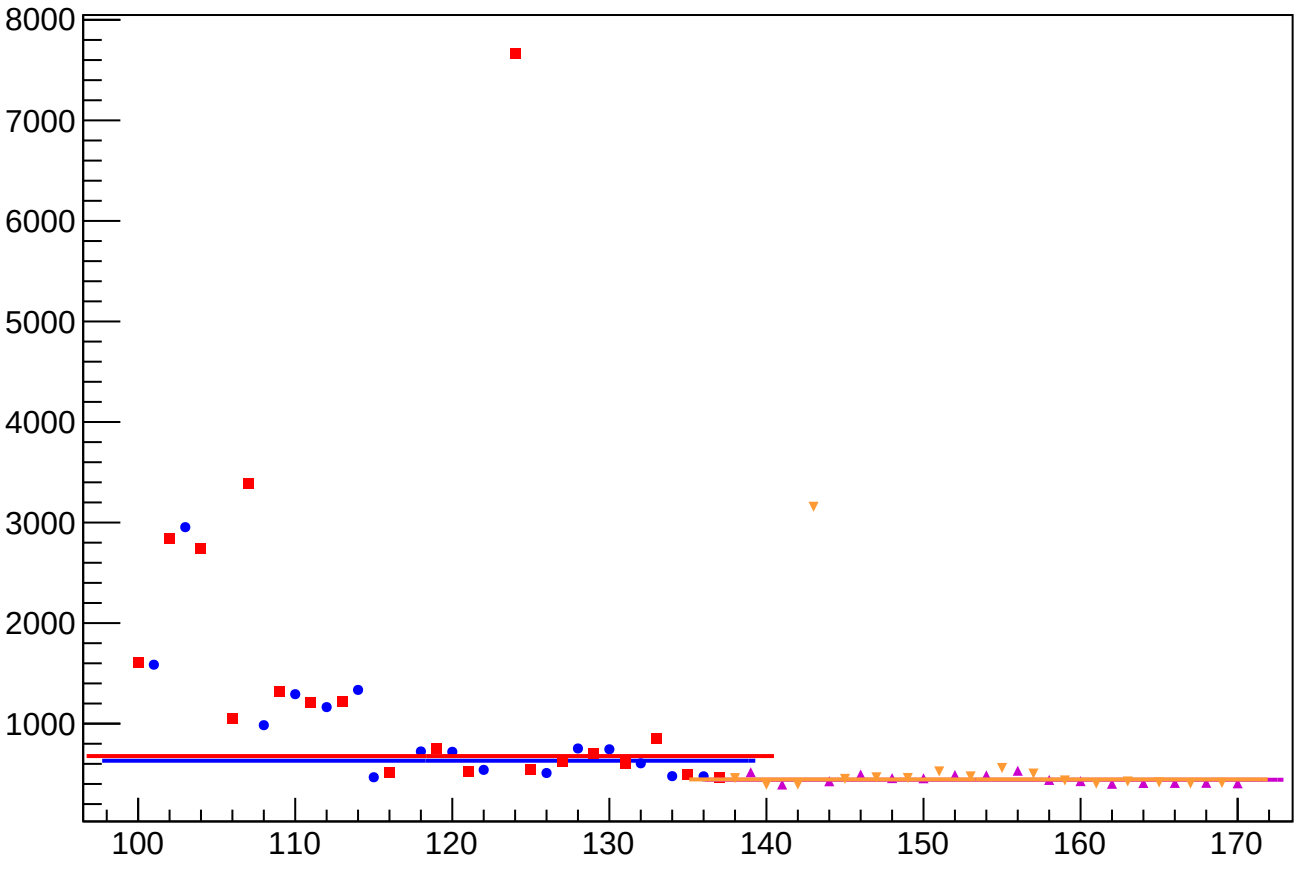
Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1851.084+/-0.292 χ^2/NDF:680396.2/31

Out: 1819.389+/-0.284 χ^2/NDF:518650.4/35

All: 1834.808+/-0.204 χ^2/NDF: 1205105.5/67


asym_at1_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 421.145+/-256.749 χ²/NDF: 21.5/15
Left Out: 631.244+/-125.148 χ²/NDF:35.6/16
Right Out: -393.590+/-279.562 χ²/NDF: 15.9/18
Left In: 56.667+/-122.304 χ²/NDF:15.2/15
Left: 337.352+/-87.470 χ²/NDF: 61.6/32
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 124.076+/-110.416 χ²/NDF:38.4/31
Out: 460.156+/-114.225 χ²/NDF:62.6/35
All: 286.419+/-79.389 χ²/NDF: 105.5/67



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 444.982+/-0.088 χ^2/NDF:1449060.0/16

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 441.960+/-0.086 χ^2/NDF:216531.4/15

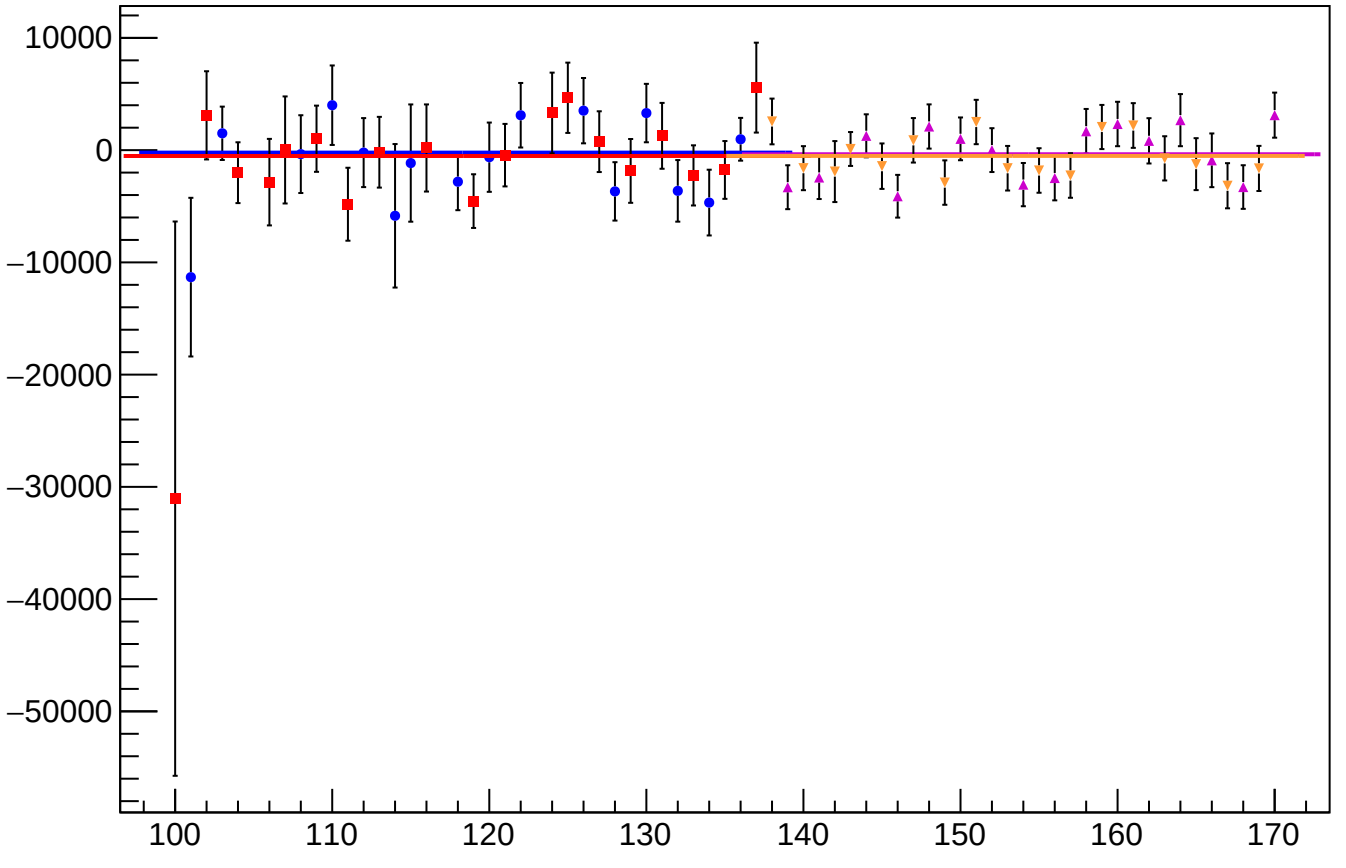
Left: 443.436+/-0.062 χ^2/NDF: 1666187.7/32

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 476.949+/-0.078 χ^2/NDF:3336014.4/31

Out: 483.789+/-0.081 χ^2/NDF:5682566.0/35

All: 480.253+/-0.056 χ^2/NDF: 9022287.9/67



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -512.643+/-482.436 χ^2/NDF:14.7/16

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -367.353+/-498.372 χ^2/NDF:23.6/15

Left: -442.358+/-346.631 χ^2/NDF: 38.3/32

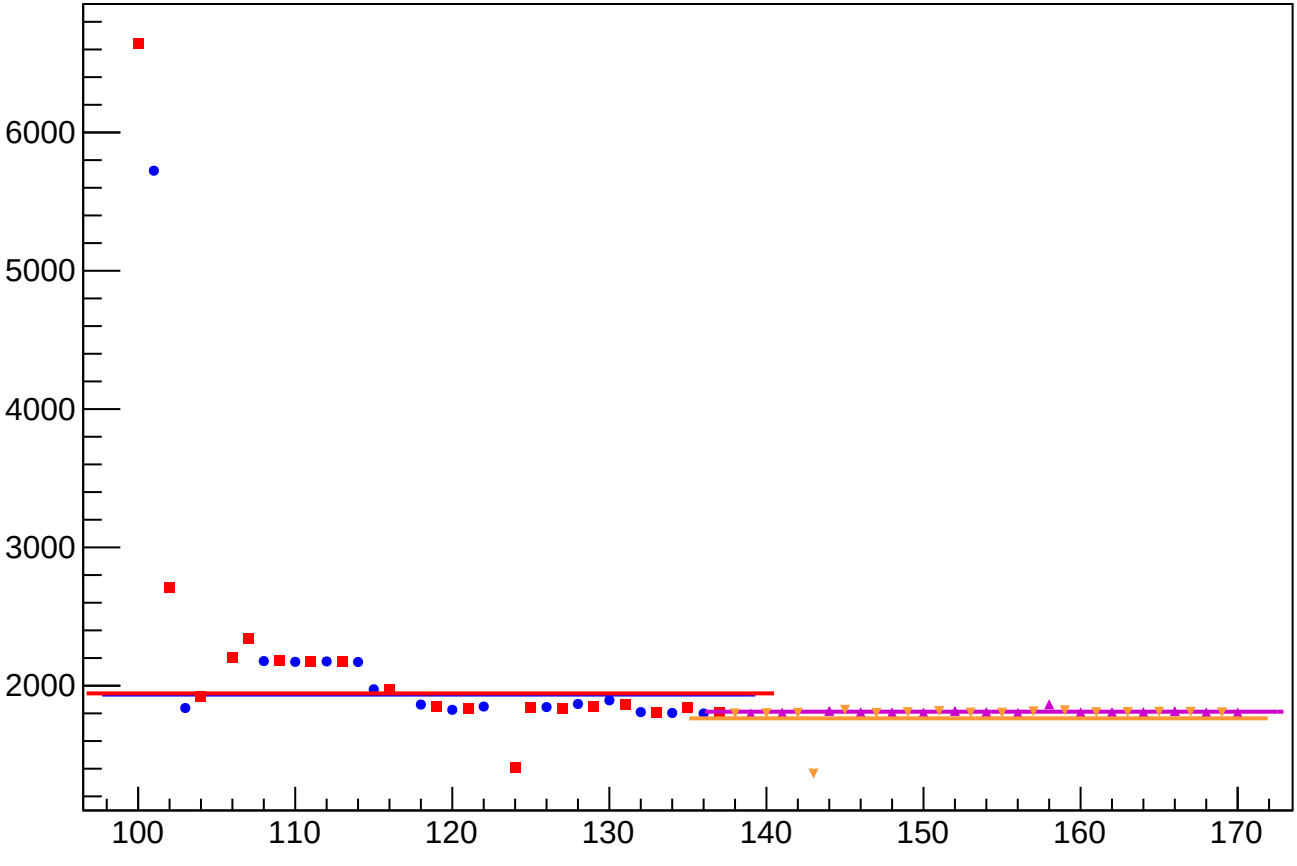
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.143+/-412.646 χ^2/NDF:40.7/31

Out: -514.982+/-401.637 χ^2/NDF:30.3/35

All: -420.683+/-287.814 χ^2/NDF: 71.1/67

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1763.990+/-0.341 χ^2/NDF:156496.8/16

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.148+/-0.352 χ^2/NDF:1766.3/15

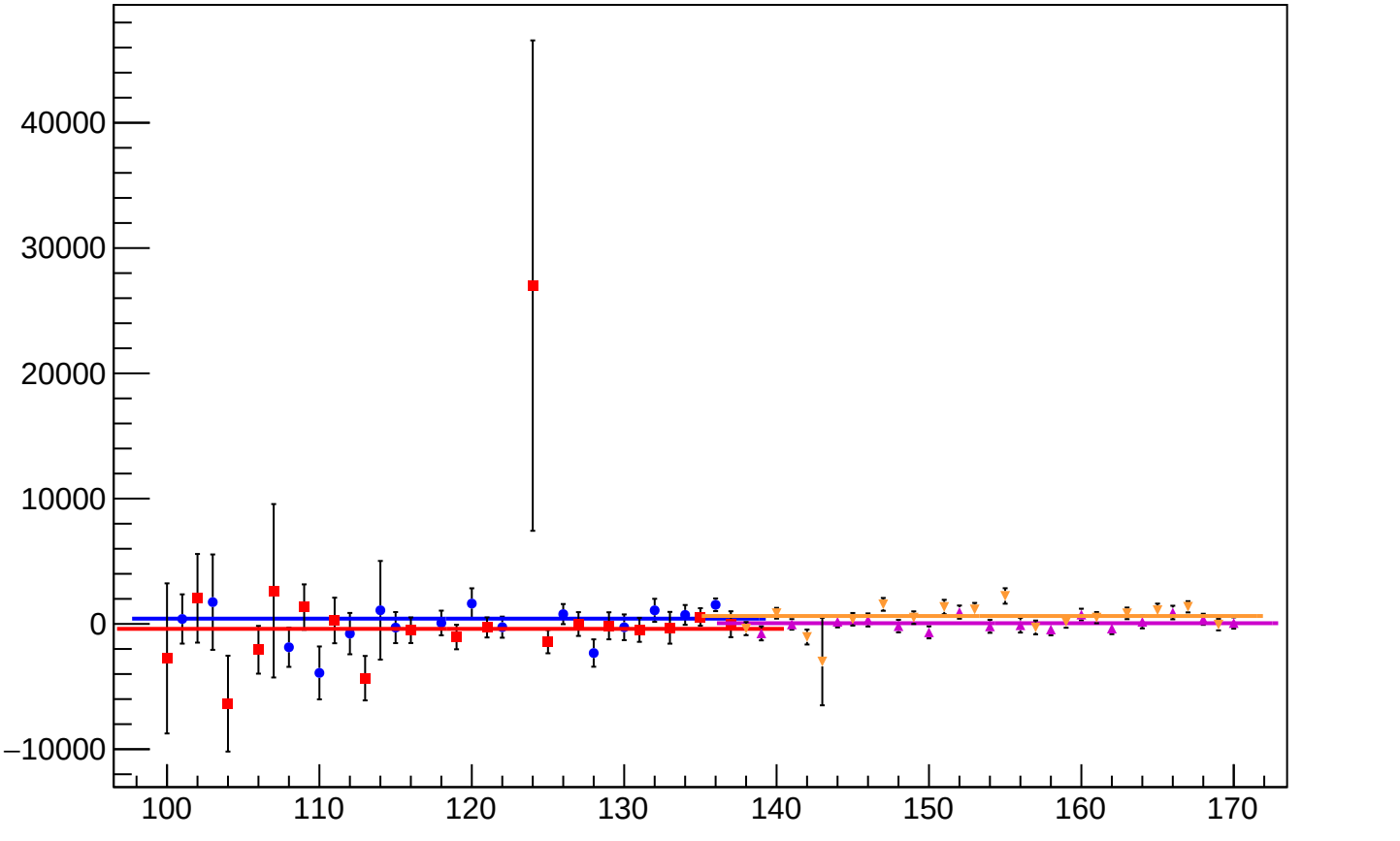
Left: 1787.287+/-0.245 χ^2/NDF: 167904.1/32

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1851.084+/-0.292 χ^2/NDF:680396.2/31

Out: 1819.389+/-0.284 χ^2/NDF:518650.2/35

All: 1834.808+/-0.204 χ^2/NDF: 1205105.3/67



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 631.243+/-125.148 χ^2/NDF:35.6/16

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 56.668+/-122.304 χ^2/NDF:15.2/15

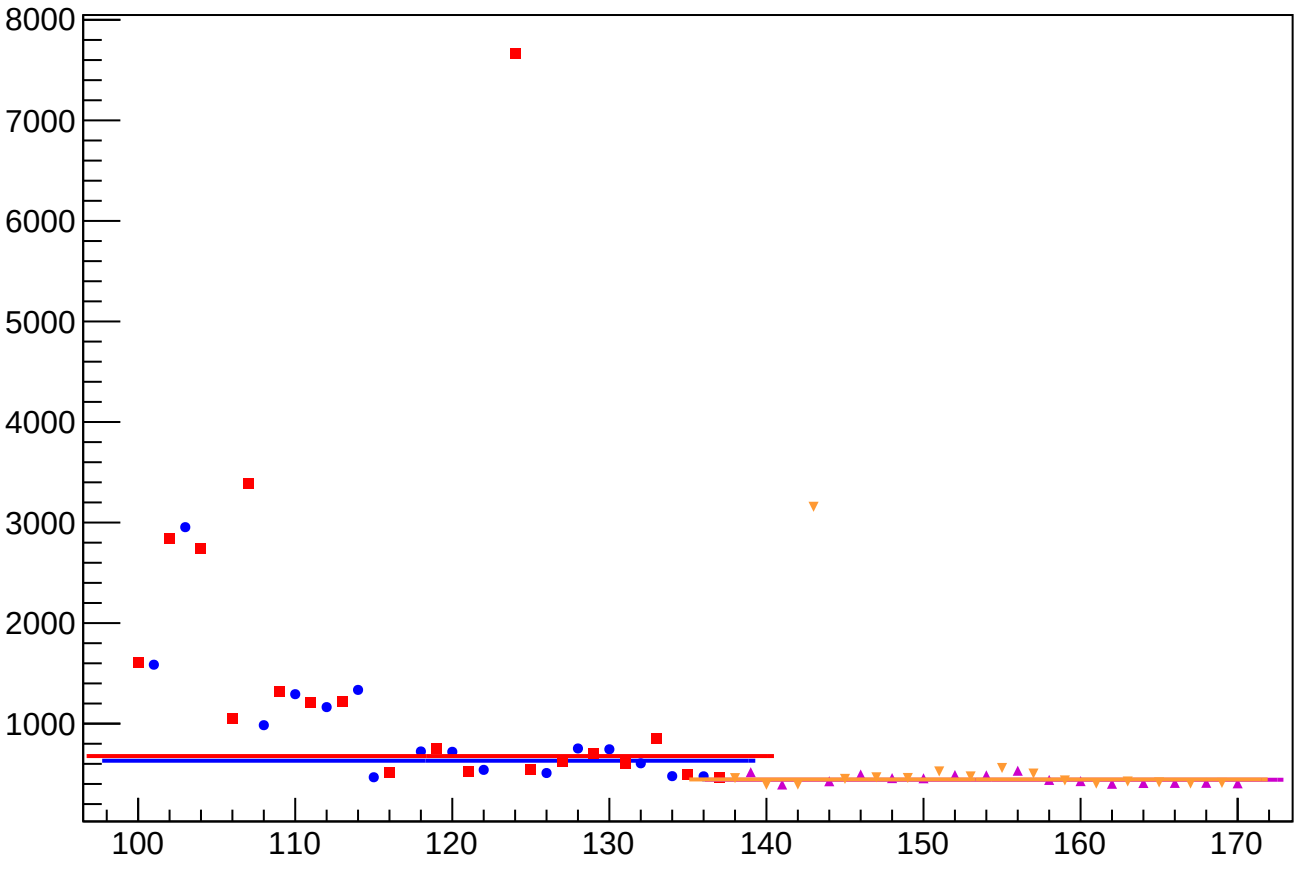
Left: 337.352+/-87.470 χ^2/NDF: 61.6/32

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 124.077+/-110.416 χ^2/NDF:38.4/31

Out: 460.155+/-114.225 χ^2/NDF:62.6/35

All: 286.419+/-79.388 χ^2/NDF: 105.5/67



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 444.981+/-0.088 χ^2/NDF:1449062.1/16

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 441.960+/-0.086 χ^2/NDF:216534.1/15

Left: 443.436+/-0.062 χ^2/NDF: 1666192.4/32

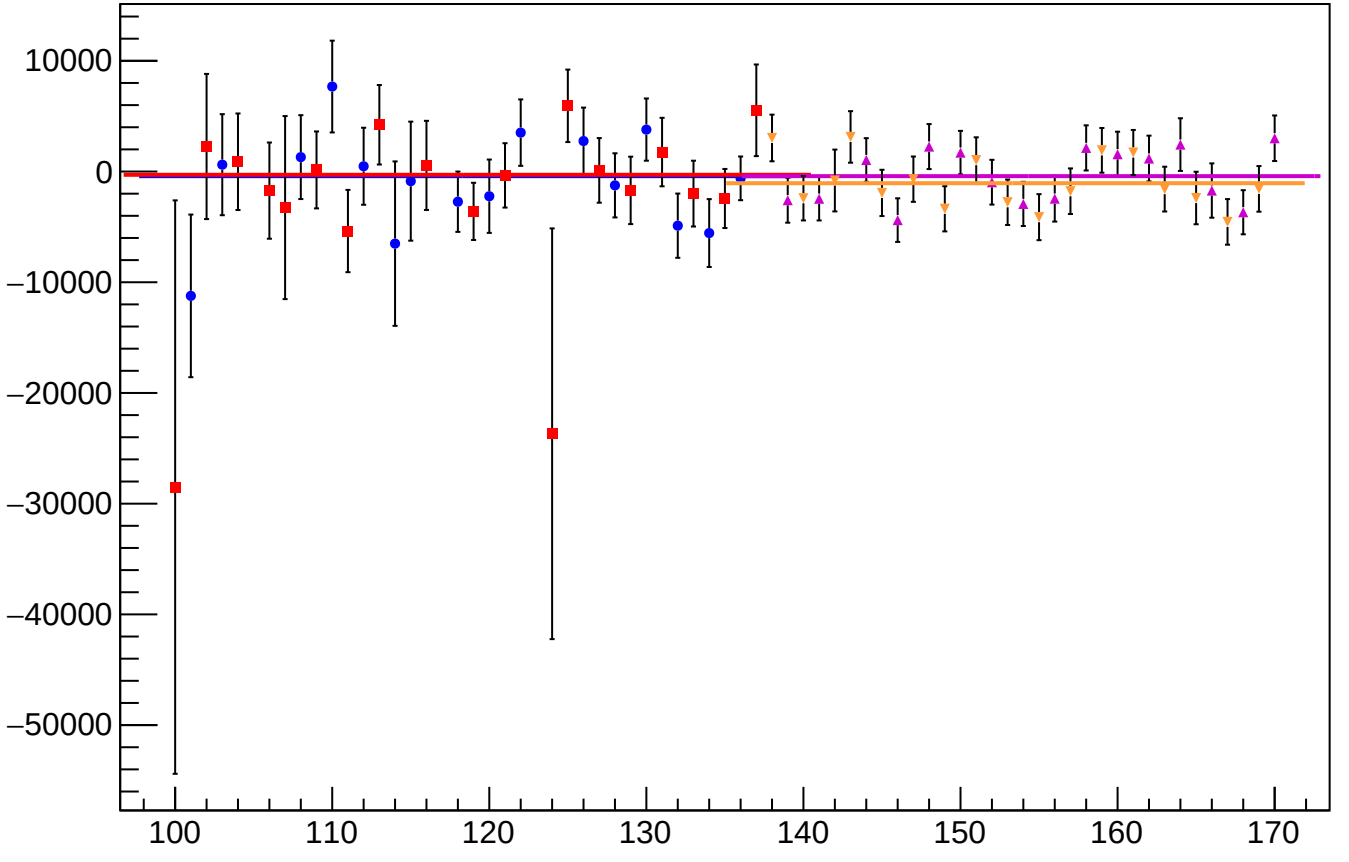
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 476.948+/-0.078 χ^2/NDF:3336016.6/31

Out: 483.788+/-0.081 χ^2/NDF:5682570.5/35

All: 480.252+/-0.056 χ^2/NDF: 9022294.4/67

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1054.156+/-512.108 χ^2/NDF:20.3/16

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -416.544+/-513.411 χ^2/NDF:22.6/15

Left: -736.160+/-362.575 χ^2/NDF: 43.7/32

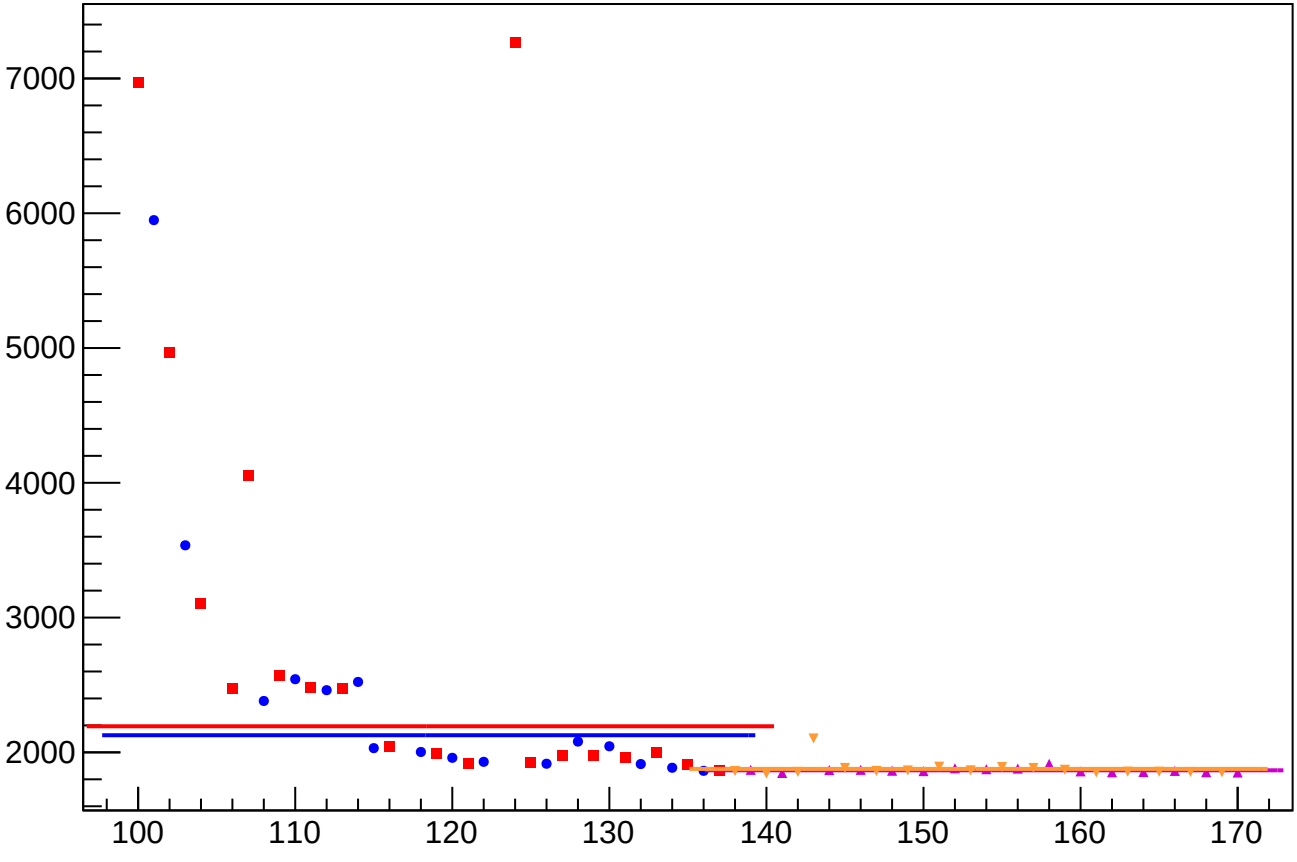
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -416.861+/-434.458 χ^2/NDF:41.0/31

Out: -845.296+/-436.060 χ^2/NDF:36.5/35

All: -630.291+/-307.773 χ^2/NDF: 78.0/67

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1877.228+/-0.362 χ^2/NDF:21359.1/16

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1866.809+/-0.363 χ^2/NDF:1995.8/15

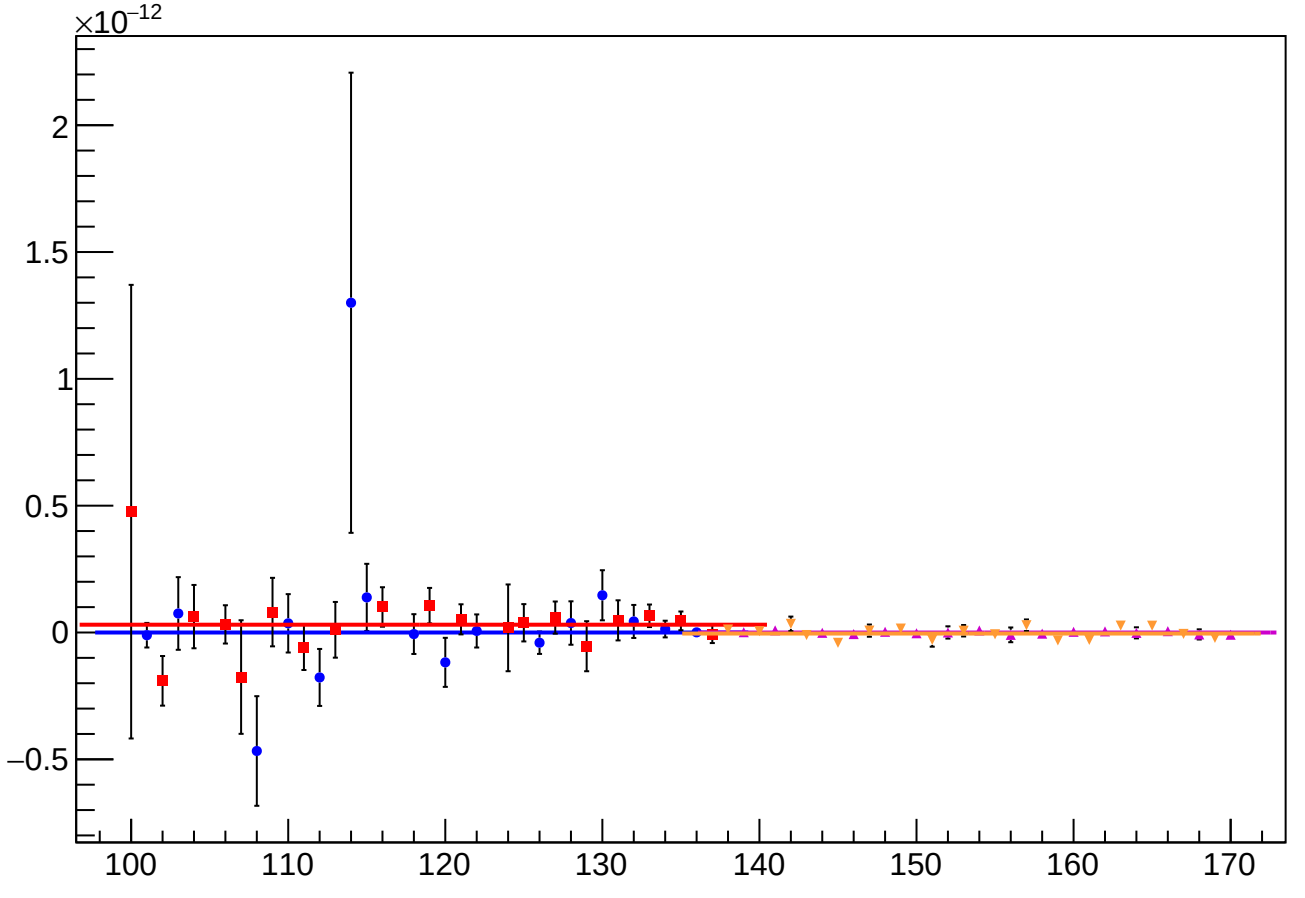
Left: 1872.032+/-0.256 χ^2/NDF: 23767.7/32

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1940.693+/-0.307 χ^2/NDF:1022957.8/31

Out: 1964.203+/-0.308 χ^2/NDF:1173760.5/35

All: 1952.405+/-0.218 χ^2/NDF: 2199635.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/15

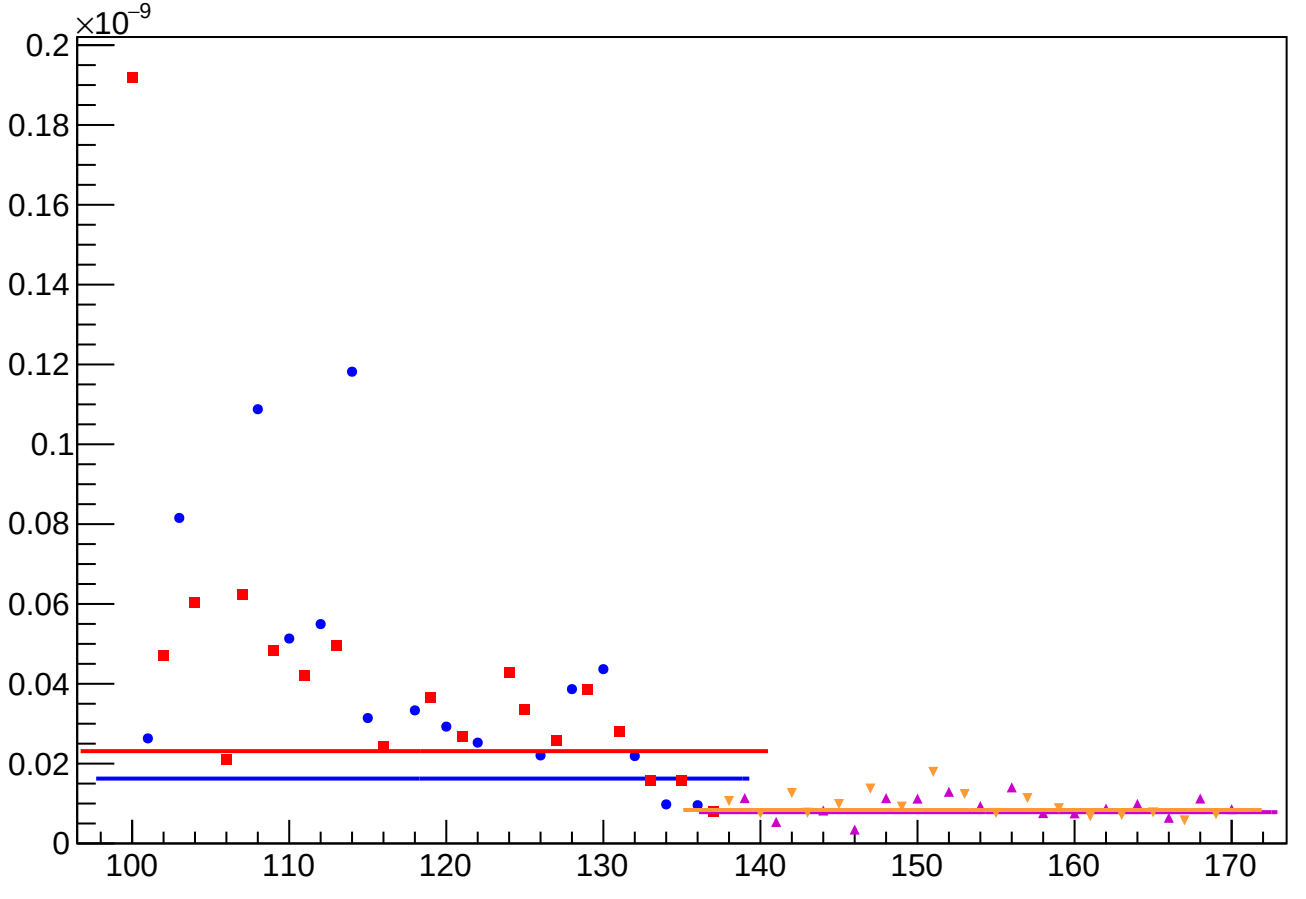
Left: -0.000+/-0.000 χ^2/NDF: 31.7/32

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.2/31

Out: -0.000+/-0.000 χ^2/NDF:46.2/35

All: -0.000+/-0.000 χ^2/NDF: 64.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:752389.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:984223.3/15

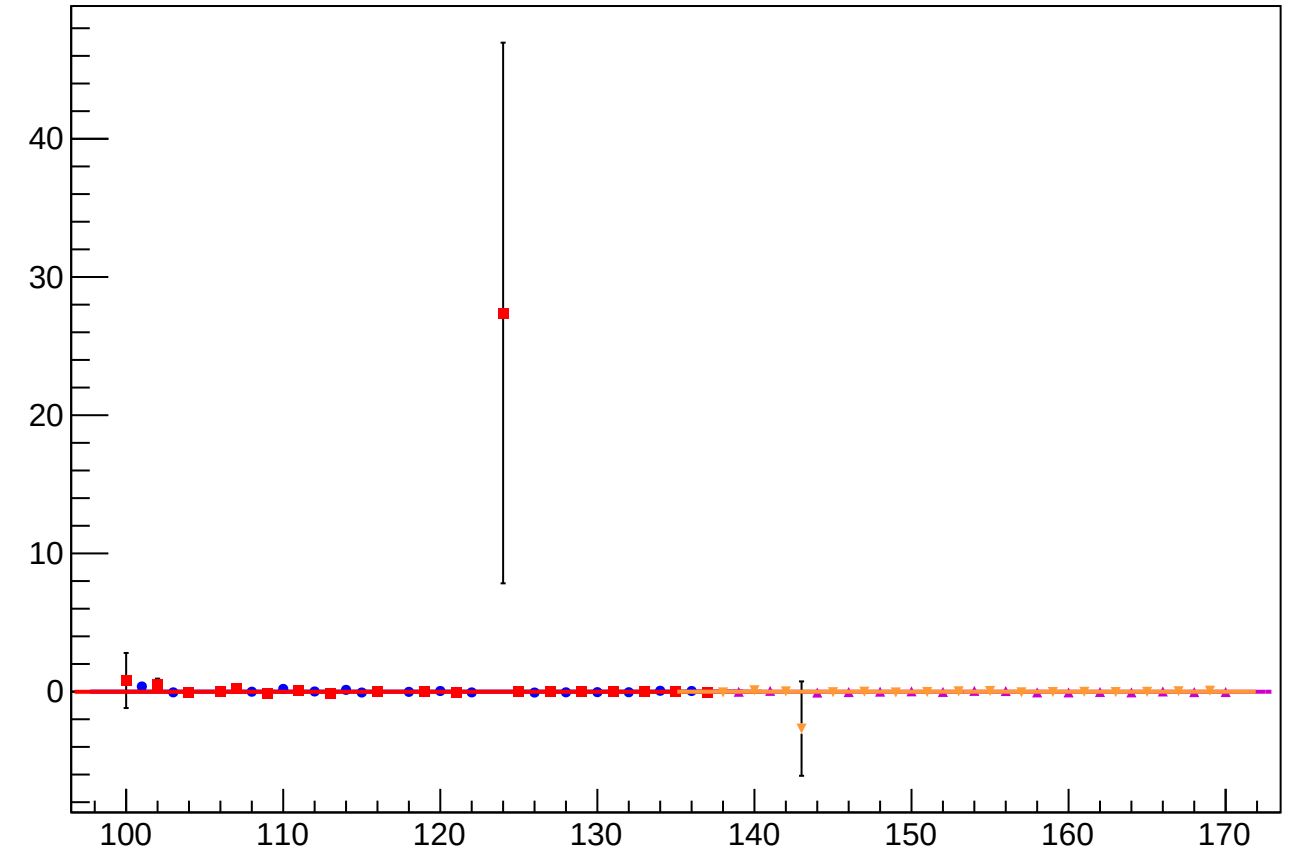
Left: 0.000+/-0.000 χ^2/NDF: 1755918.3/32

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4179629.3/31

Out: 0.000+/-0.000 χ^2/NDF:3817521.0/35

All: 0.000+/-0.000 χ^2/NDF: 8022337.5/67



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.004+/-0.010 χ^2/NDF:21.1/16

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.010 χ^2/NDF:17.2/15

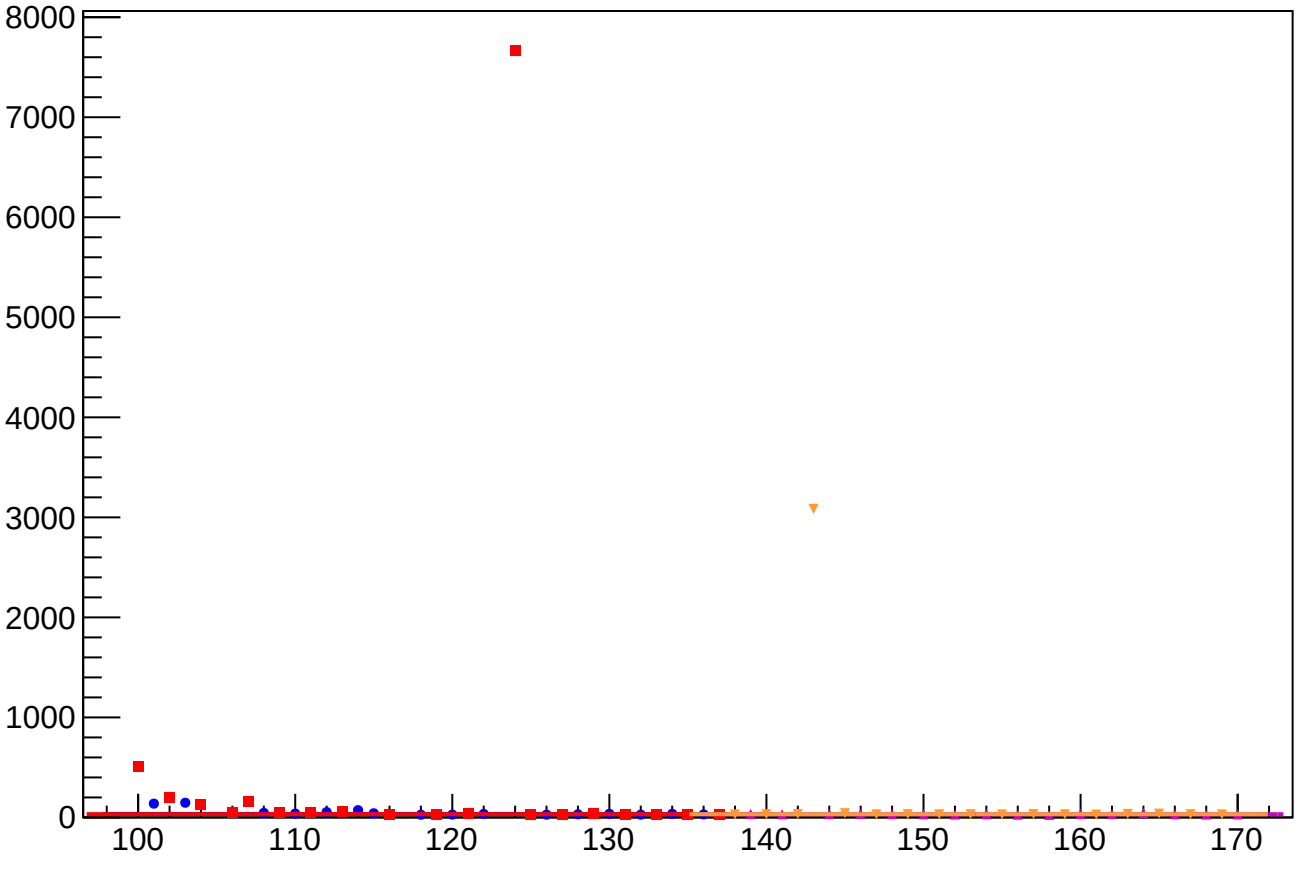
Left: -0.006+/-0.007 χ^2/NDF: 38.4/32

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.007+/-0.008 χ^2/NDF:35.4/35

All: -0.006+/-0.006 χ^2/NDF: 74.0/67



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.417+/-0.007 χ^2/NDF:1755476.9/16

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.284+/-0.007 χ^2/NDF:266839.0/15

Left: 32.349+/-0.005 χ^2/NDF: 2022502.0/32

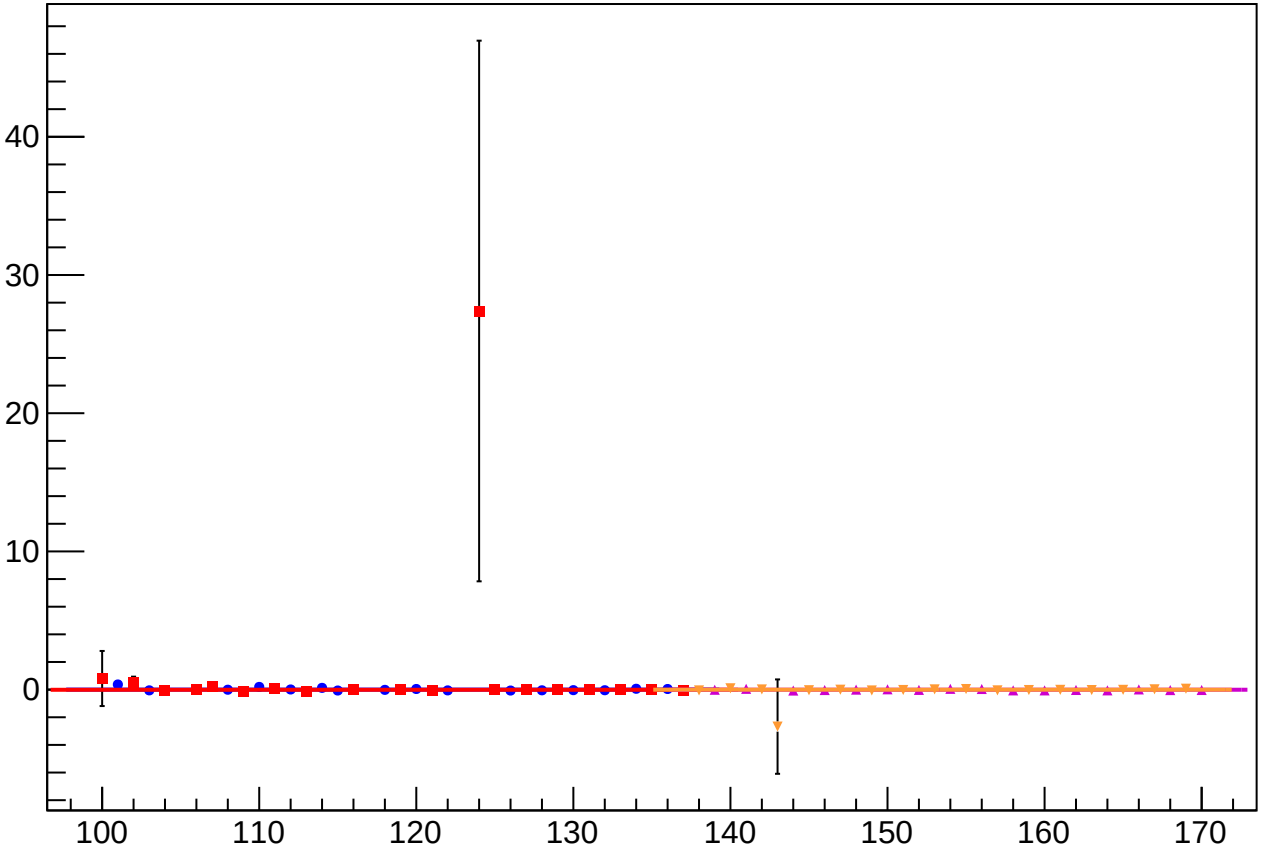
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.818+/-0.006 χ^2/NDF:2004247.1/31

Out: 32.621+/-0.006 χ^2/NDF:3833393.9/35

All: 32.721+/-0.004 χ^2/NDF: 5838224.0/67

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: -0.004+/-0.010 χ^2/NDF:21.1/16

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.006+/-0.007 χ^2/NDF: 38.4/32

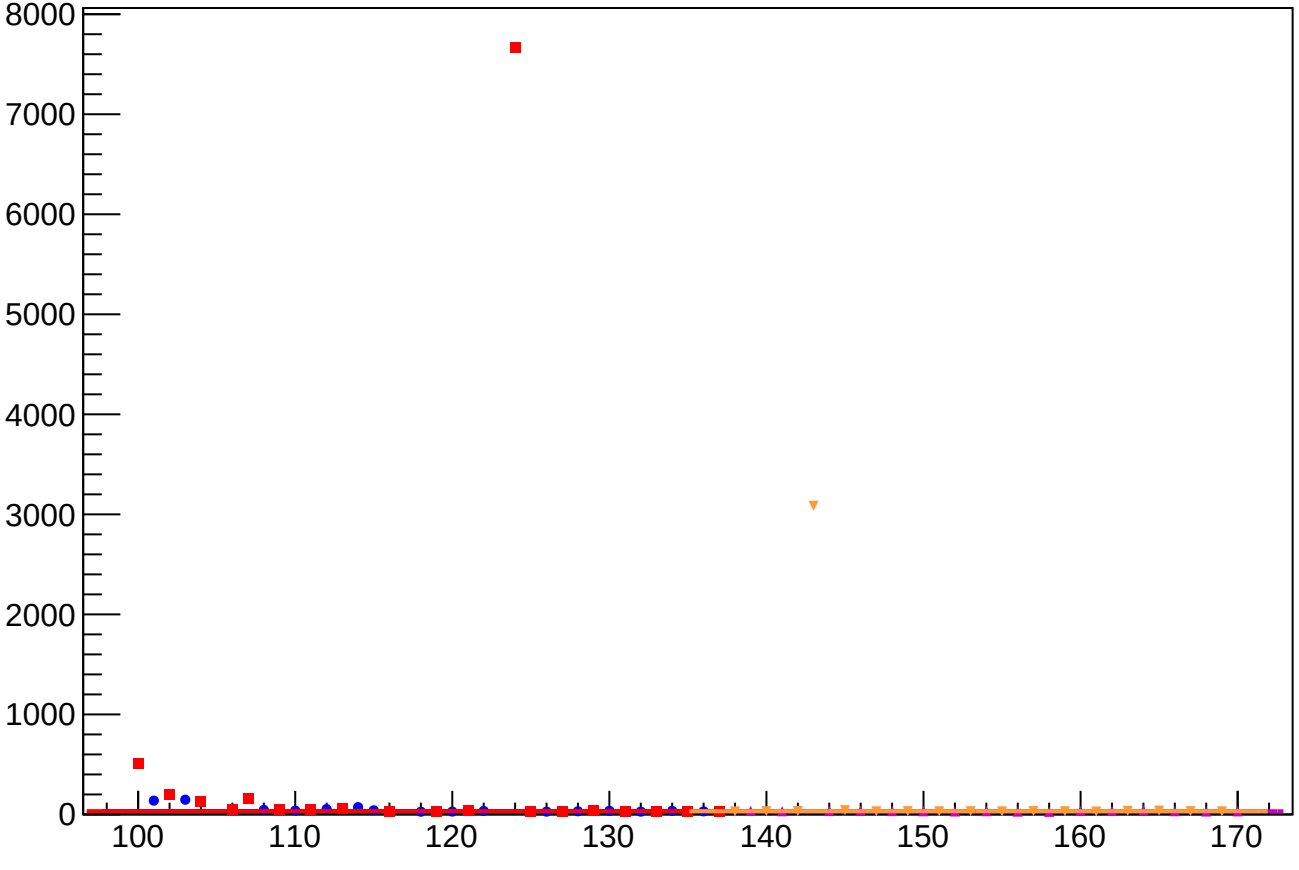
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.007+/-0.008 χ^2/NDF:35.4/35

All: -0.006+/-0.006 χ^2/NDF: 74.0/67

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: 32.417+/-0.007 χ^2/NDF:1755476.9/16

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.284+/-0.007 χ^2/NDF:266839.0/15

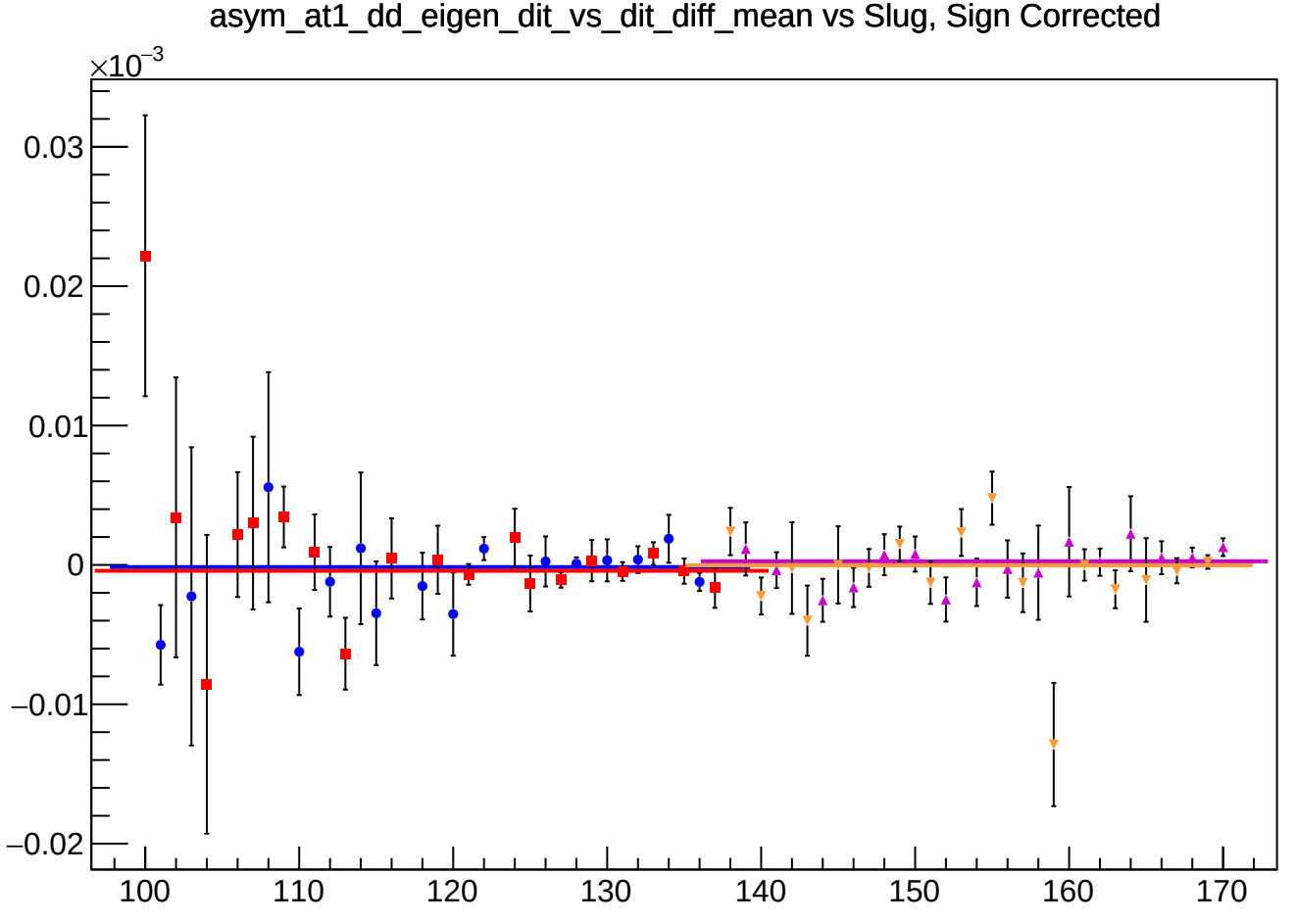
Left: 32.349+/-0.005 χ^2/NDF: 2022502.0/32

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.818+/-0.006 χ^2/NDF:2004247.1/31

Out: 32.621+/-0.006 χ^2/NDF:3833393.9/35

All: 32.721+/-0.004 χ^2/NDF: 5838224.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/15

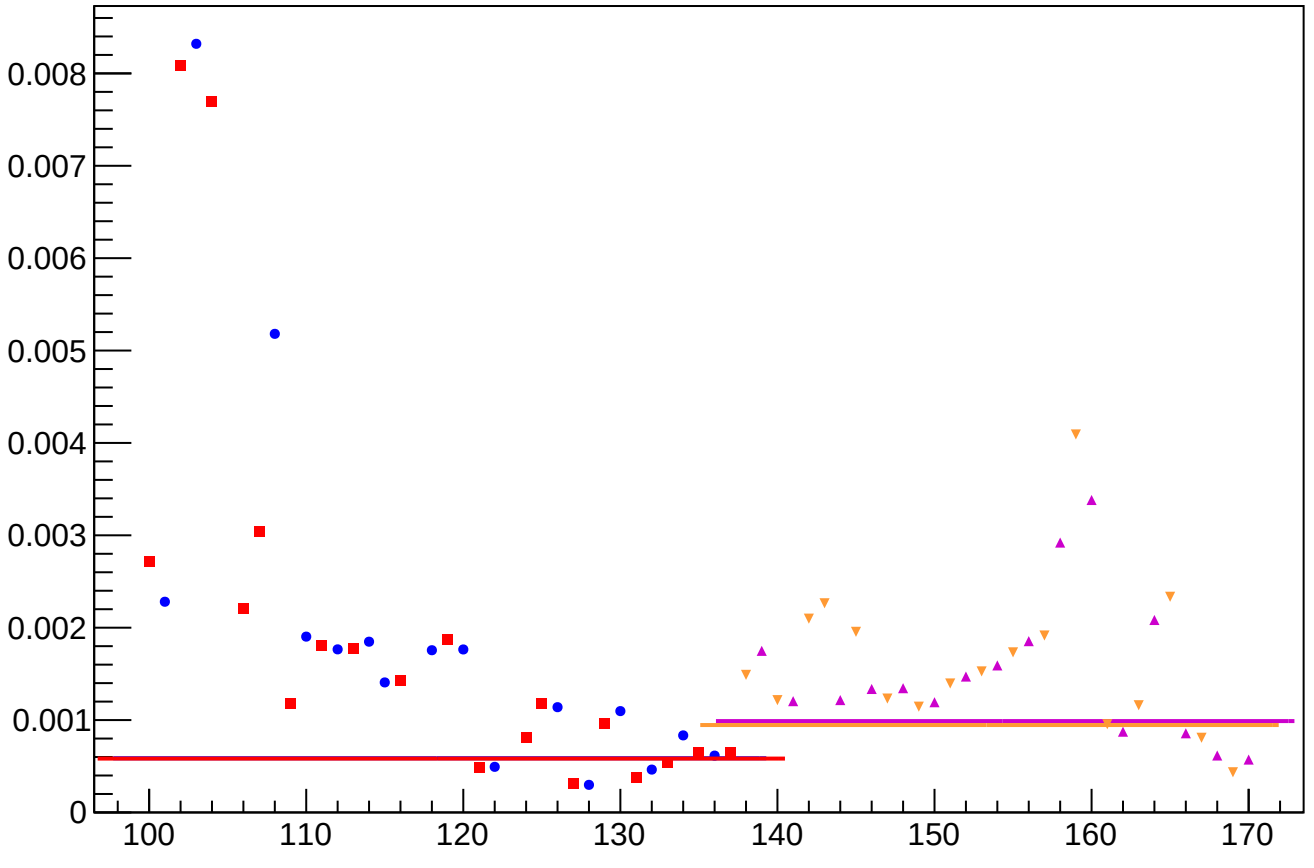
Left: 0.000+/-0.000 χ^2/NDF: 42.3/32

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.2/31

Out: -0.000+/-0.000 χ^2/NDF:51.2/35

All: -0.000+/-0.000 χ^2/NDF: 84.3/67



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:6418767.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:4690996.3/15

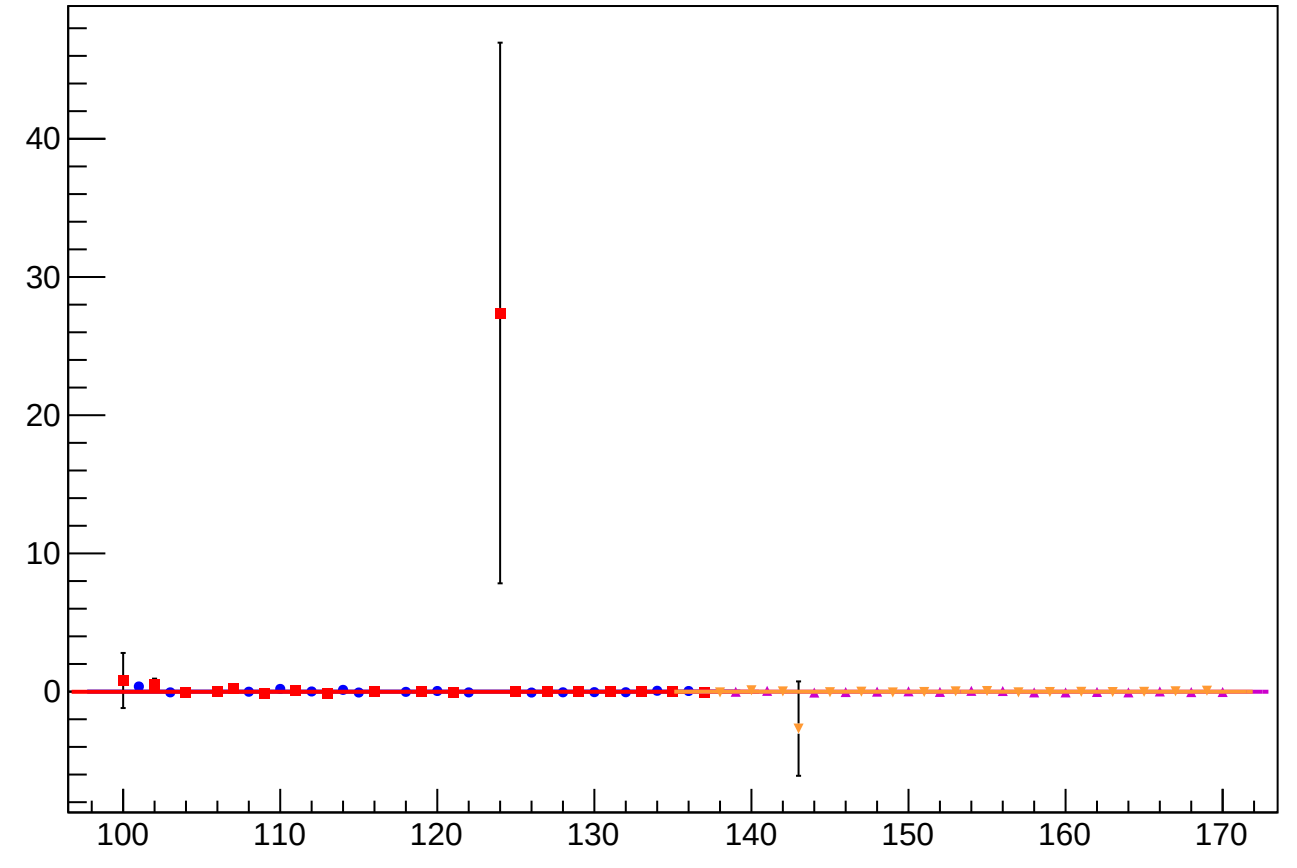
Left: 0.001+/-0.000 χ^2/NDF: 11129113.6/32

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11952263.4/31

Out: 0.001+/-0.000 χ^2/NDF:13363260.9/35

All: 0.001+/-0.000 χ^2/NDF: 25329255.6/67



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.004+/-0.010 χ^2/NDF:21.1/16

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.006+/-0.007 χ^2/NDF: 38.4/32

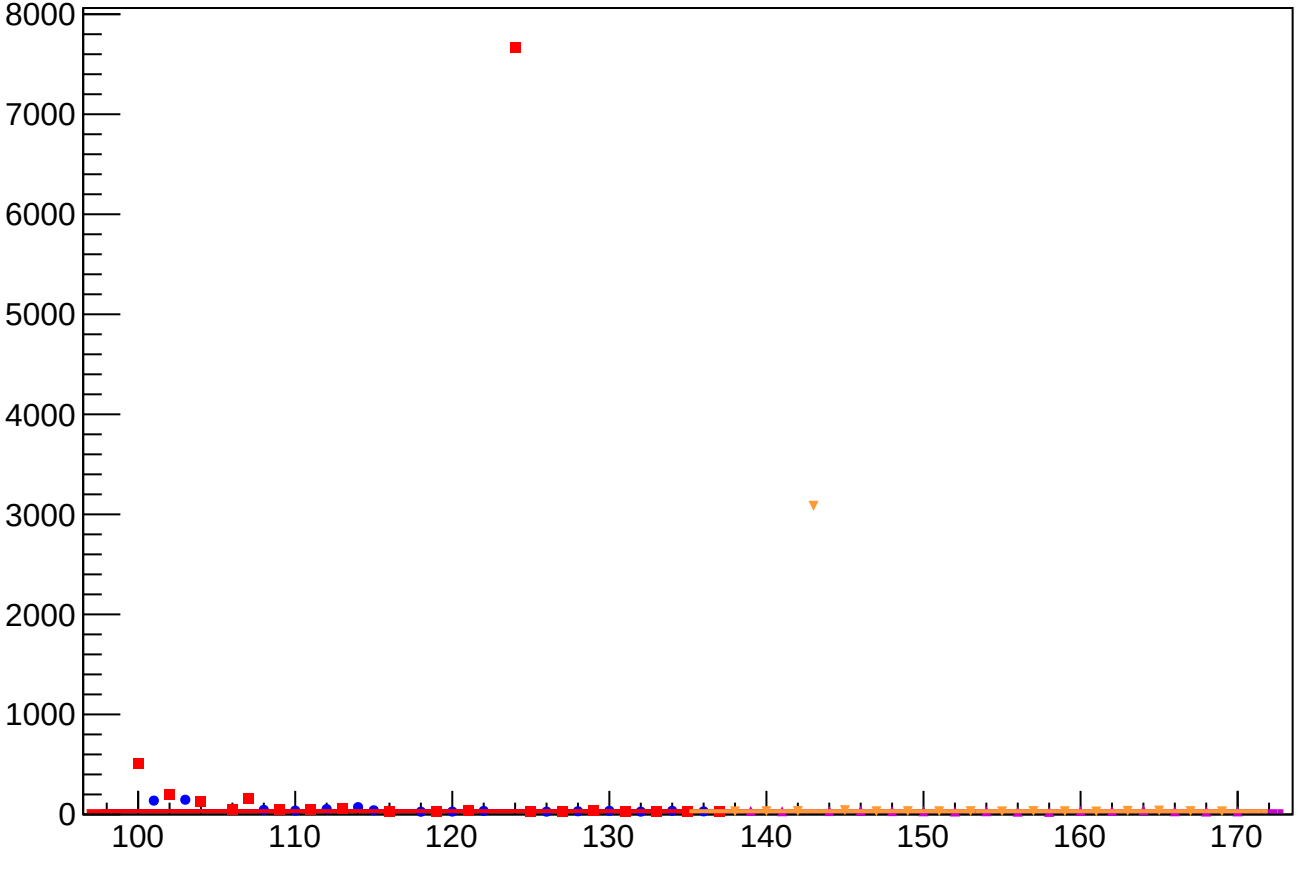
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.007+/-0.008 χ^2/NDF:35.4/35

All: -0.006+/-0.006 χ^2/NDF: 74.0/67

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: 32.417+/-0.007 χ^2/NDF:1755471.8/16

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.007 χ^2/NDF:266763.0/15

Left: 32.349+/-0.005 χ^2/NDF: 2022420.4/32

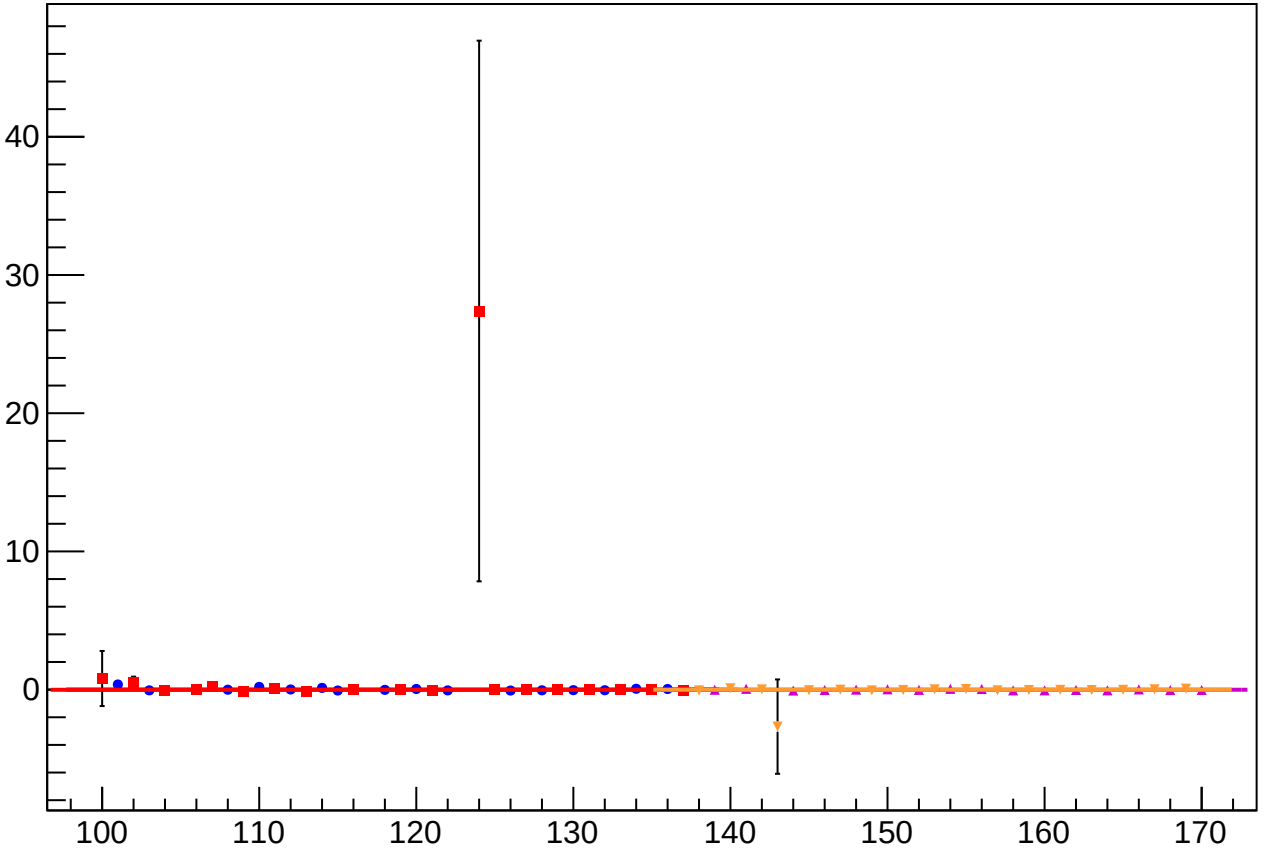
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.818+/-0.006 χ^2/NDF:2004154.1/31

Out: 32.621+/-0.006 χ^2/NDF:3833369.0/35

All: 32.721+/-0.004 χ^2/NDF: 5838107.3/67

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: -0.004+/-0.010 χ^2/NDF:21.1/16

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.006+/-0.007 χ^2/NDF: 38.4/32

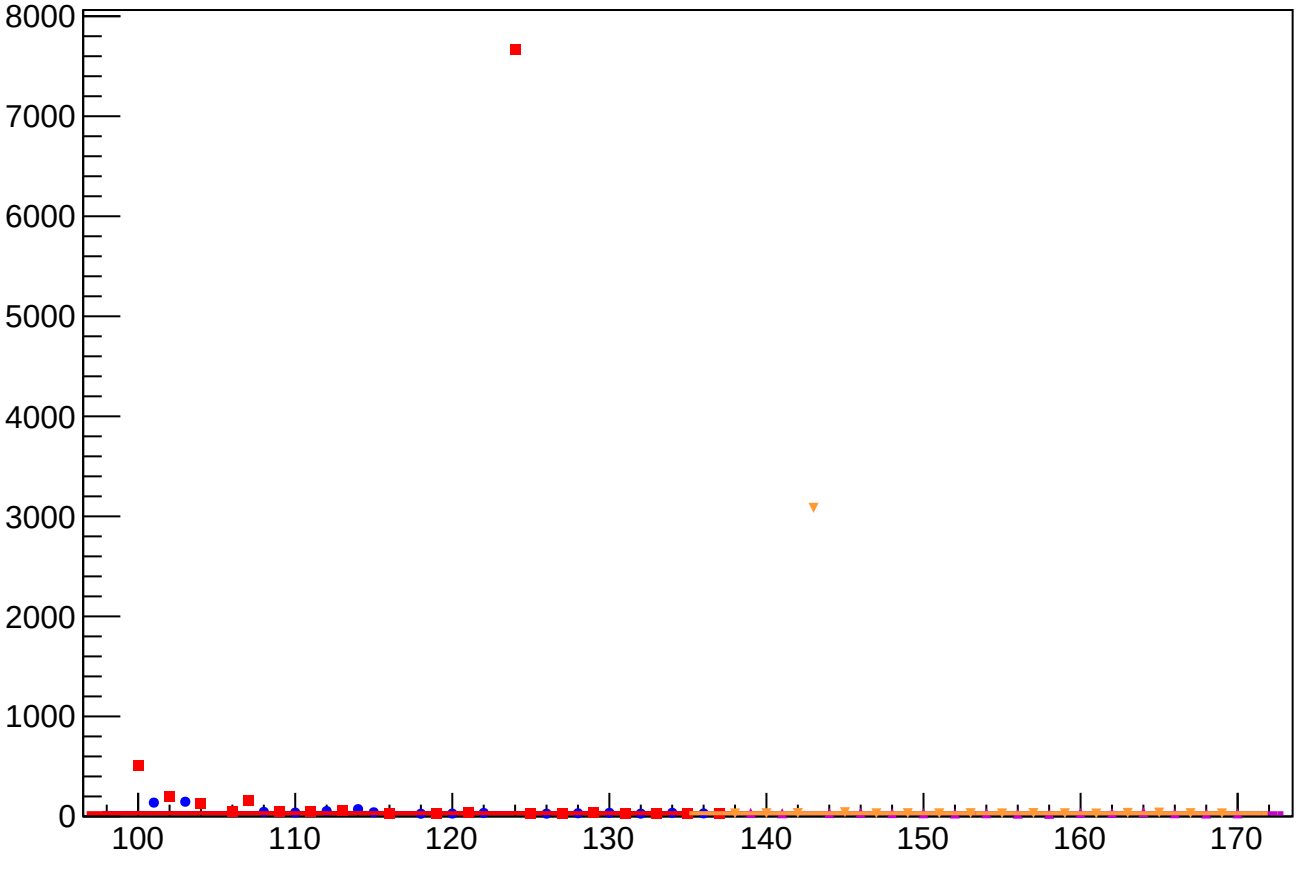
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.007+/-0.008 χ^2/NDF:35.4/35

All: -0.006+/-0.006 χ^2/NDF: 74.0/67

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: 32.417+/-0.007 χ^2/NDF:1755471.8/16

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.007 χ^2/NDF:266763.0/15

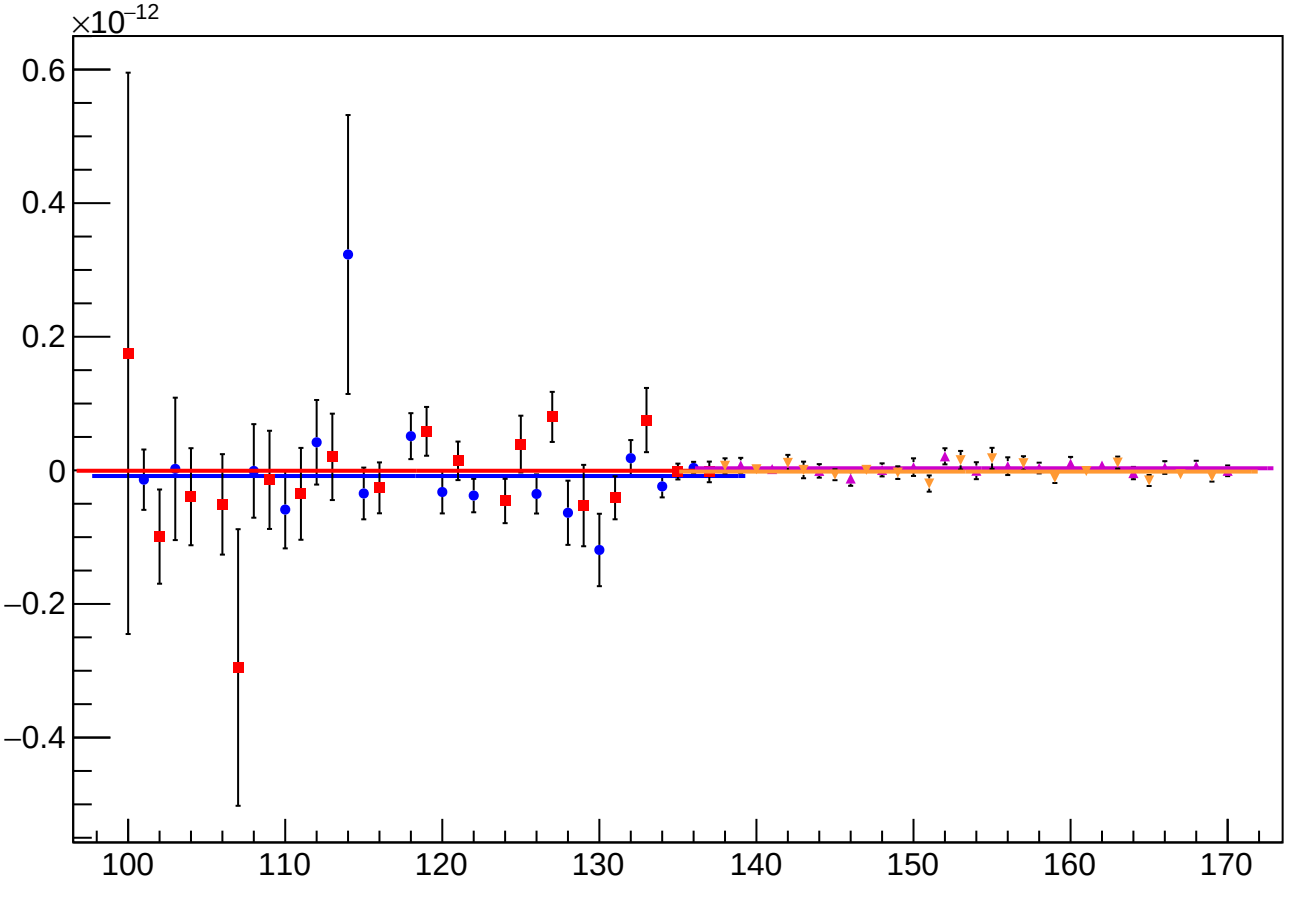
Left: 32.349+/-0.005 χ^2/NDF: 2022420.4/32

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.818+/-0.006 χ^2/NDF:2004154.1/31

Out: 32.621+/-0.006 χ^2/NDF:3833369.0/35

All: 32.721+/-0.004 χ^2/NDF: 5838107.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/15

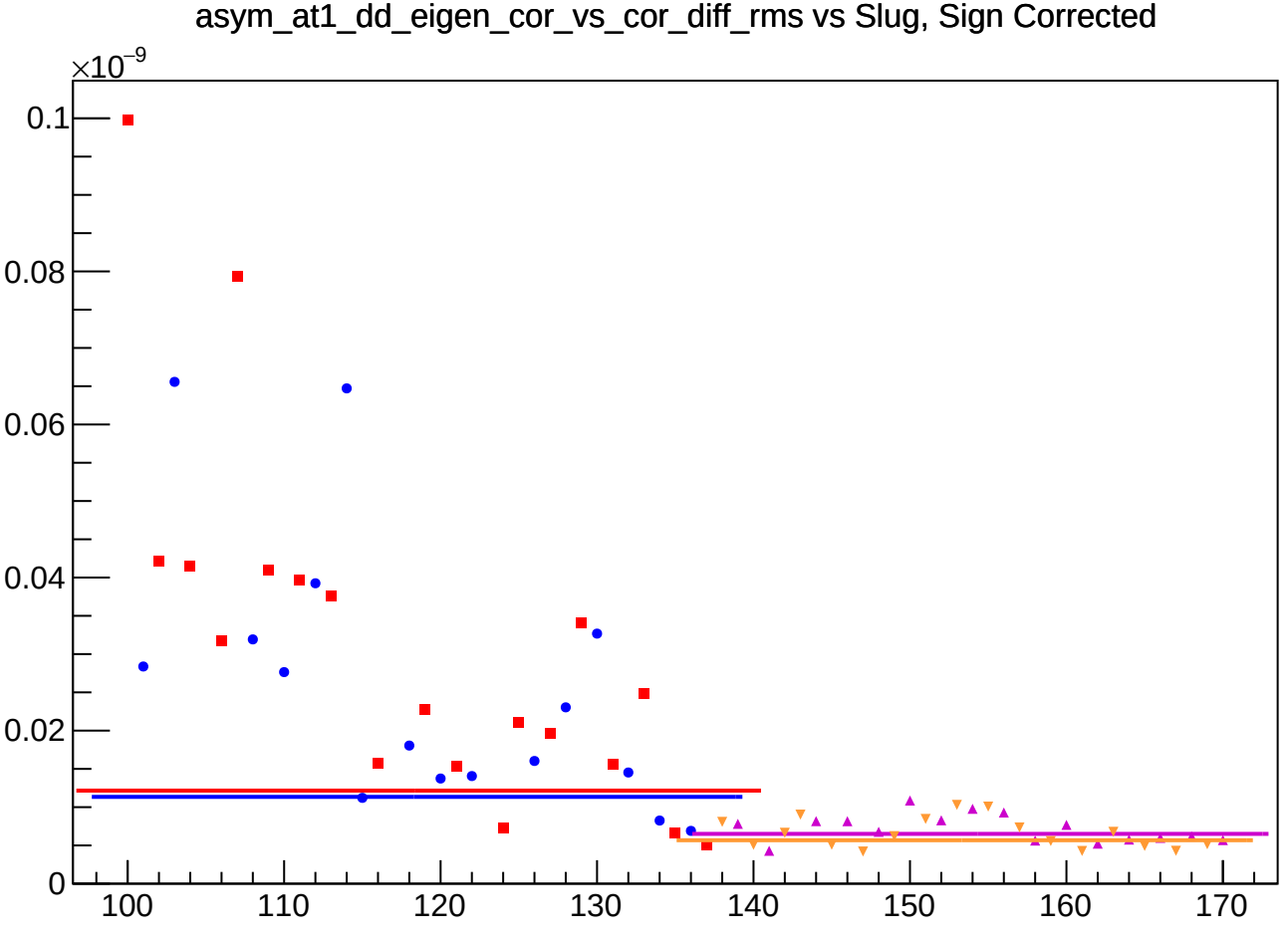
Left: 0.000+/-0.000 χ^2/NDF: 25.7/32

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.6/31

Out: -0.000+/-0.000 χ^2/NDF:37.5/35

All: -0.000+/-0.000 χ^2/NDF: 67.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1146807.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1024682.9/15

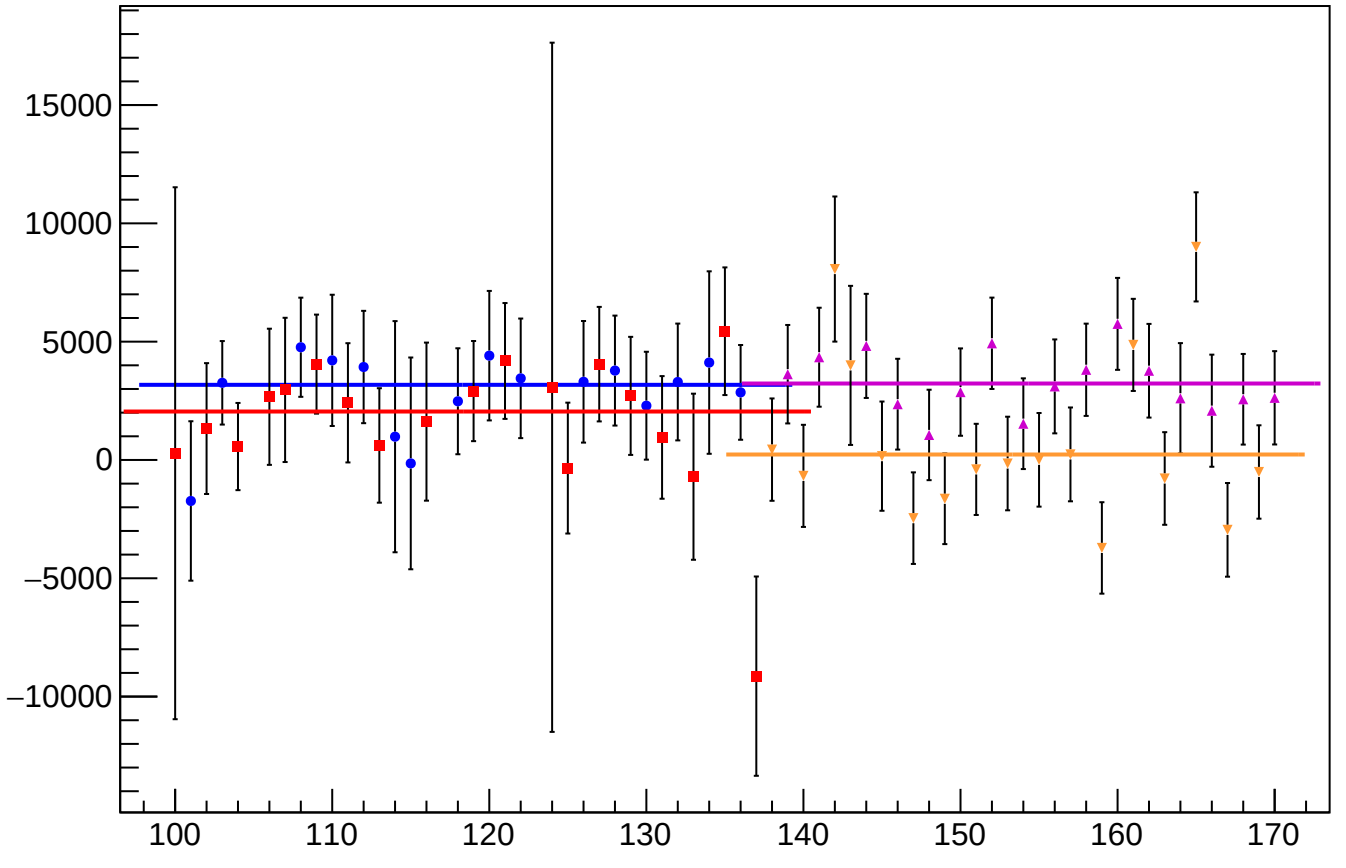
Left: 0.000+/-0.000 χ^2/NDF: 2311339.6/32

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4846168.5/31

Out: 0.000+/-0.000 χ^2/NDF:6379102.7/35

All: 0.000+/-0.000 χ^2/NDF: 11404136.5/67



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 230.659+/-507.790 χ^2/NDF:38.3/16

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3230.804+/-501.629 χ^2/NDF:6.3/15

Left: 1749.042+/-356.863 χ^2/NDF: 62.3/32

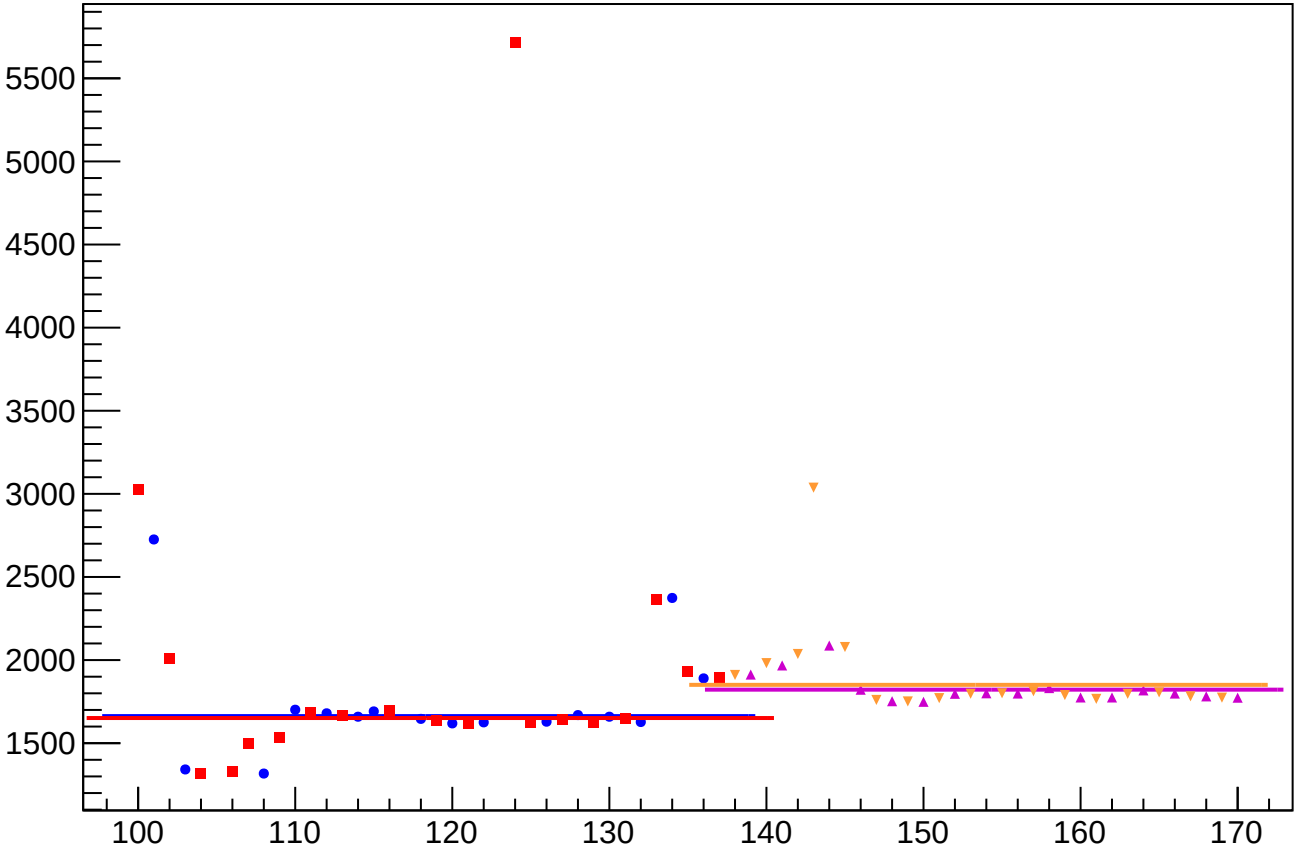
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3209.300+/-391.939 χ^2/NDF:10.6/31

Out: 957.939+/-393.227 χ^2/NDF:57.5/35

All: 2087.314+/-277.597 χ^2/NDF: 84.6/67

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1850.985+/-0.359 χ^2/NDF:315016.9/16

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

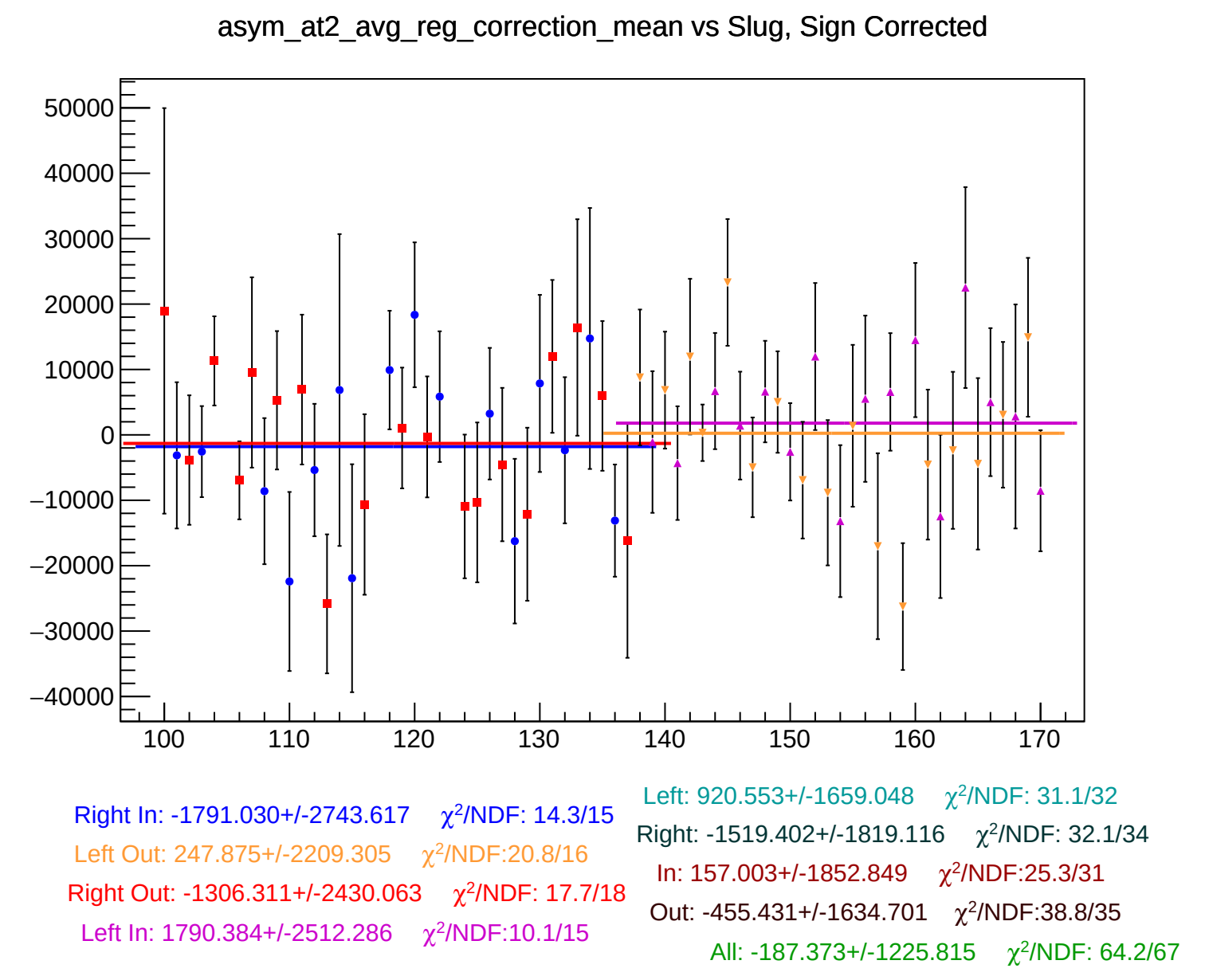
Left: 1836.308+/-0.252 χ^2/NDF: 372173.1/32

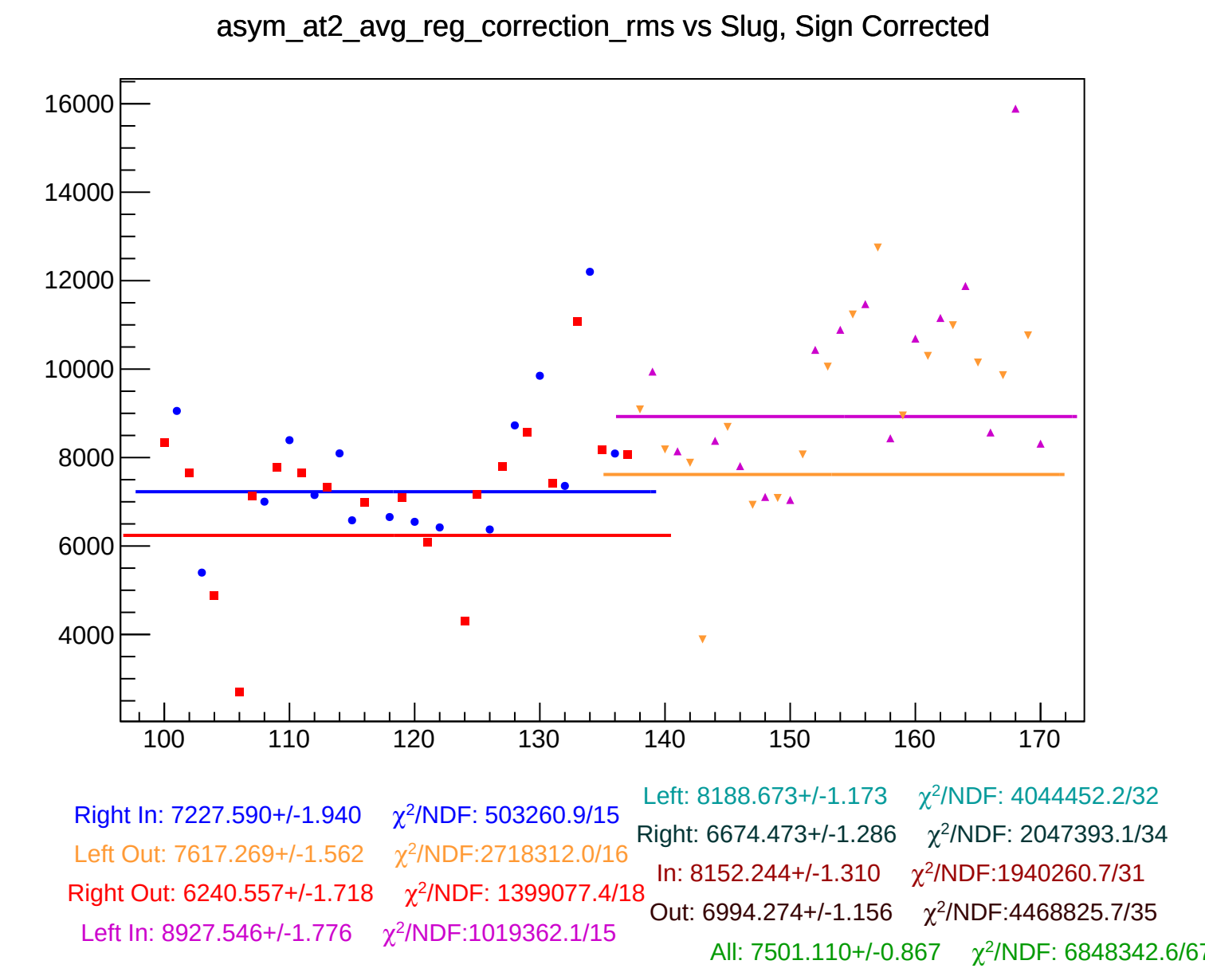
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

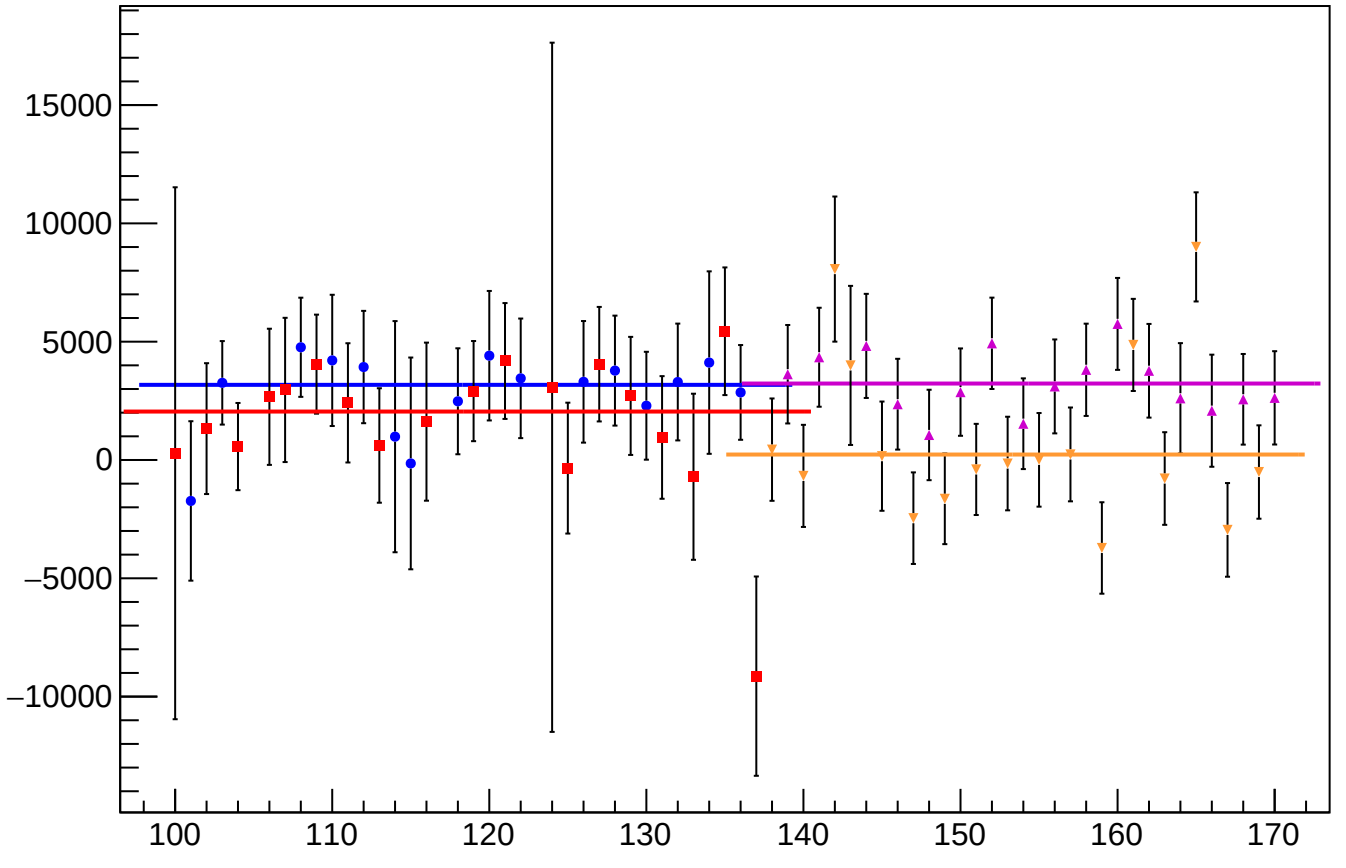
In: 1760.019+/-0.277 χ^2/NDF:547836.9/31

Out: 1771.056+/-0.278 χ^2/NDF:870767.1/35

All: 1765.519+/-0.196 χ^2/NDF: 1419394.4/67


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: 247.875+/-2209.305 χ²/NDF:20.8/16
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 1790.384+/-2512.286 χ²/NDF:10.1/15
Left: 920.553+/-1659.048 χ²/NDF: 31.1/32
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: 157.003+/-1852.849 χ²/NDF:25.3/31
Out: -455.431+/-1634.701 χ²/NDF:38.8/35
All: -187.373+/-1225.815 χ²/NDF: 64.2/67


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: 7617.269+/-1.562 χ²/NDF:2718312.0/16
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8927.546+/-1.776 χ²/NDF:1019362.1/15
Left: 8188.673+/-1.173 χ²/NDF: 4044452.2/32
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8152.244+/-1.310 χ²/NDF:1940260.7/31
Out: 6994.274+/-1.156 χ²/NDF:4468825.7/35
All: 7501.110+/-0.867 χ²/NDF: 6848342.6/67



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 230.540+/-507.790 χ^2/NDF:38.3/16

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3230.815+/-501.629 χ^2/NDF:6.3/15

Left: 1748.989+/-356.863 χ^2/NDF: 62.3/32

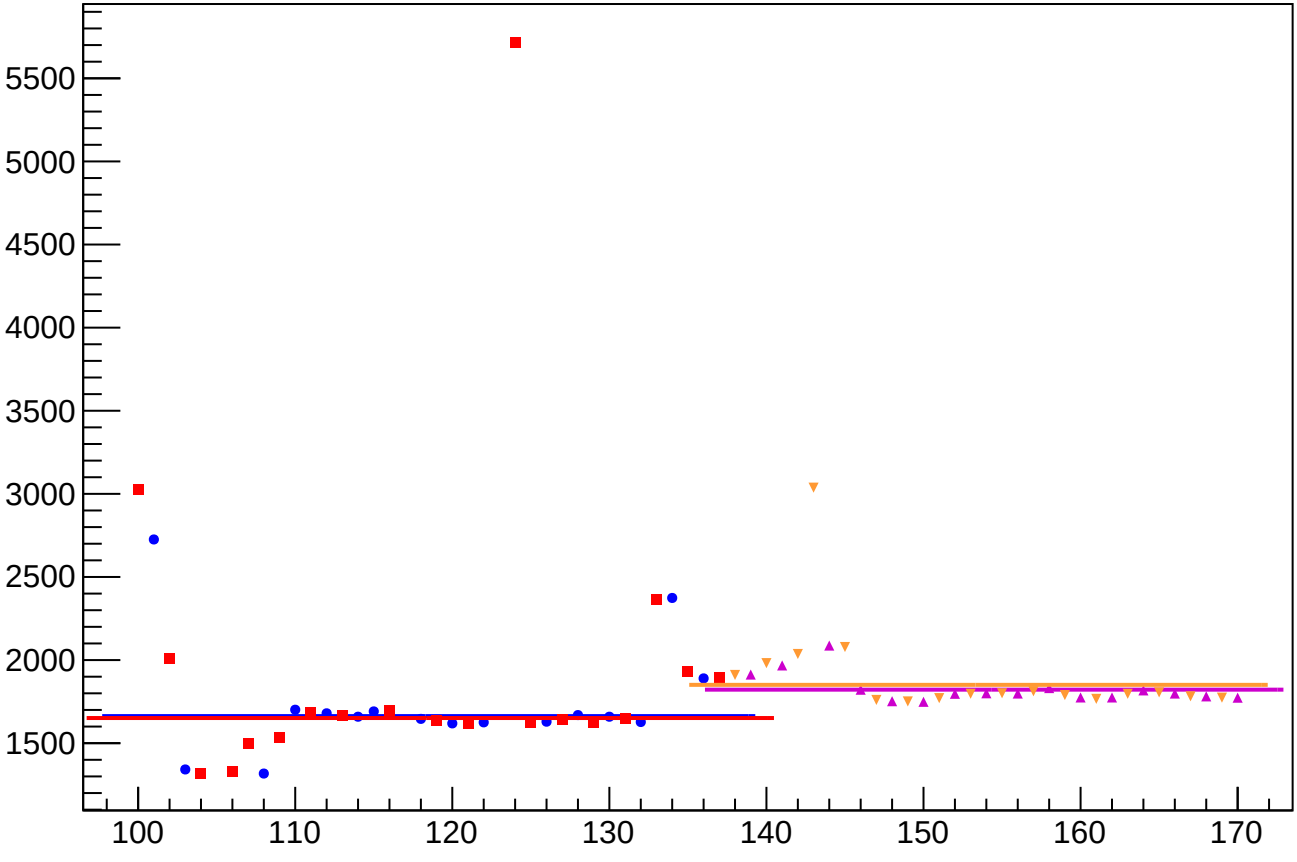
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3209.342+/-391.939 χ^2/NDF:10.6/31

Out: 957.789+/-393.227 χ^2/NDF:57.5/35

All: 2087.260+/-277.597 χ^2/NDF: 84.6/67

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1850.986+/-0.359 χ^2/NDF:315016.9/16

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

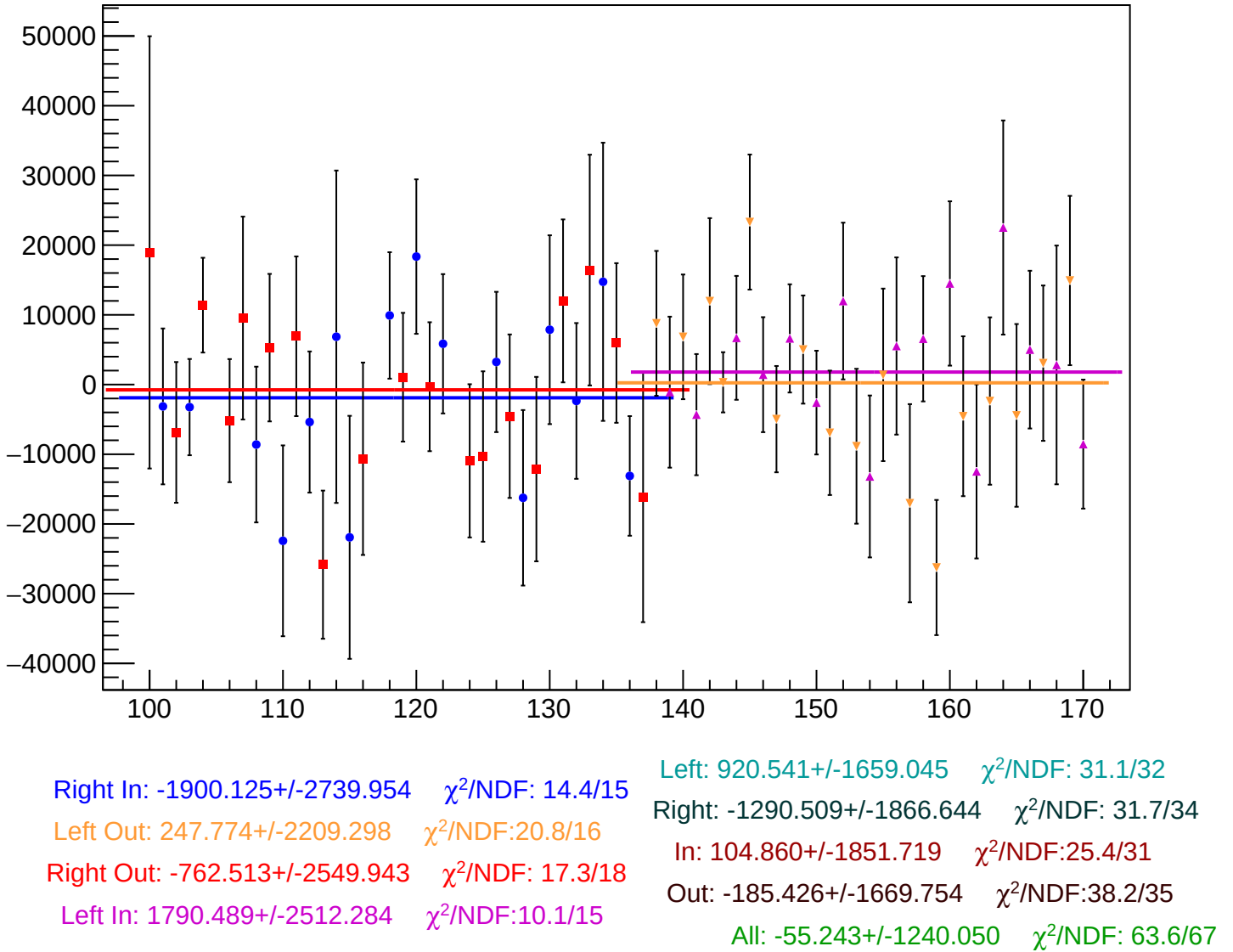
Left: 1836.308+/-0.252 χ^2/NDF: 372173.0/32

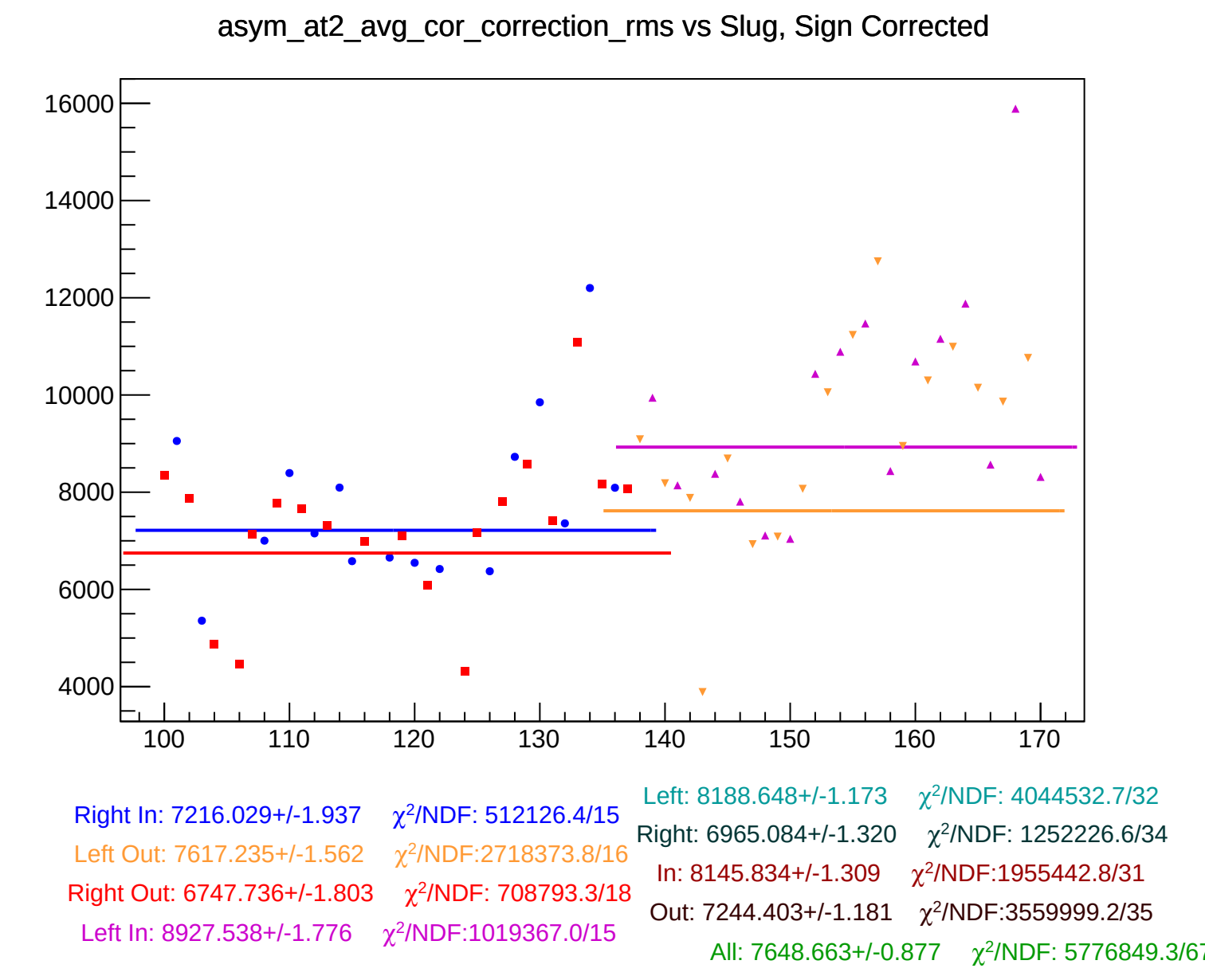
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

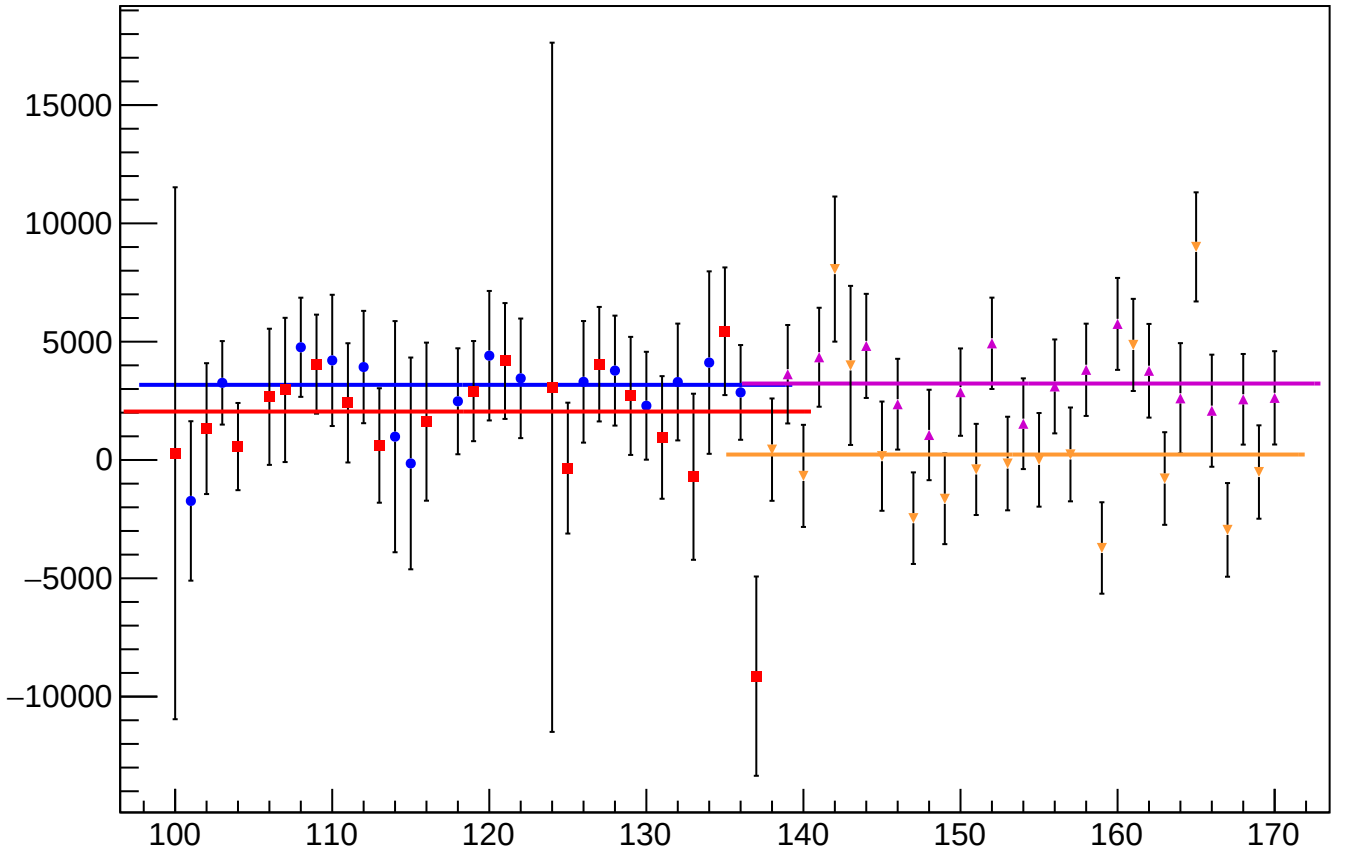
In: 1760.019+/-0.277 χ^2/NDF:547837.4/31

Out: 1771.056+/-0.278 χ^2/NDF:870767.4/35

All: 1765.519+/-0.196 χ^2/NDF: 1419395.1/67


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 247.774+/-2209.298 χ²/NDF:20.8/16
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 1790.489+/-2512.284 χ²/NDF:10.1/15
Left: 920.541+/-1659.045 χ²/NDF: 31.1/32
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: 104.860+/-1851.719 χ²/NDF:25.4/31
Out: -185.426+/-1669.754 χ²/NDF:38.2/35
All: -55.243+/-1240.050 χ²/NDF: 63.6/67


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7617.235+/-1.562 χ²/NDF:2718373.8/16
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8927.538+/-1.776 χ²/NDF:1019367.0/15
Left: 8188.648+/-1.173 χ²/NDF: 4044532.7/32
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8145.834+/-1.309 χ²/NDF:1955442.8/31
Out: 7244.403+/-1.181 χ²/NDF:3559999.2/35
All: 7648.663+/-0.877 χ²/NDF: 5776849.3/67



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 230.540+/-507.790 χ^2/NDF:38.3/16

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3230.815+/-501.629 χ^2/NDF:6.3/15

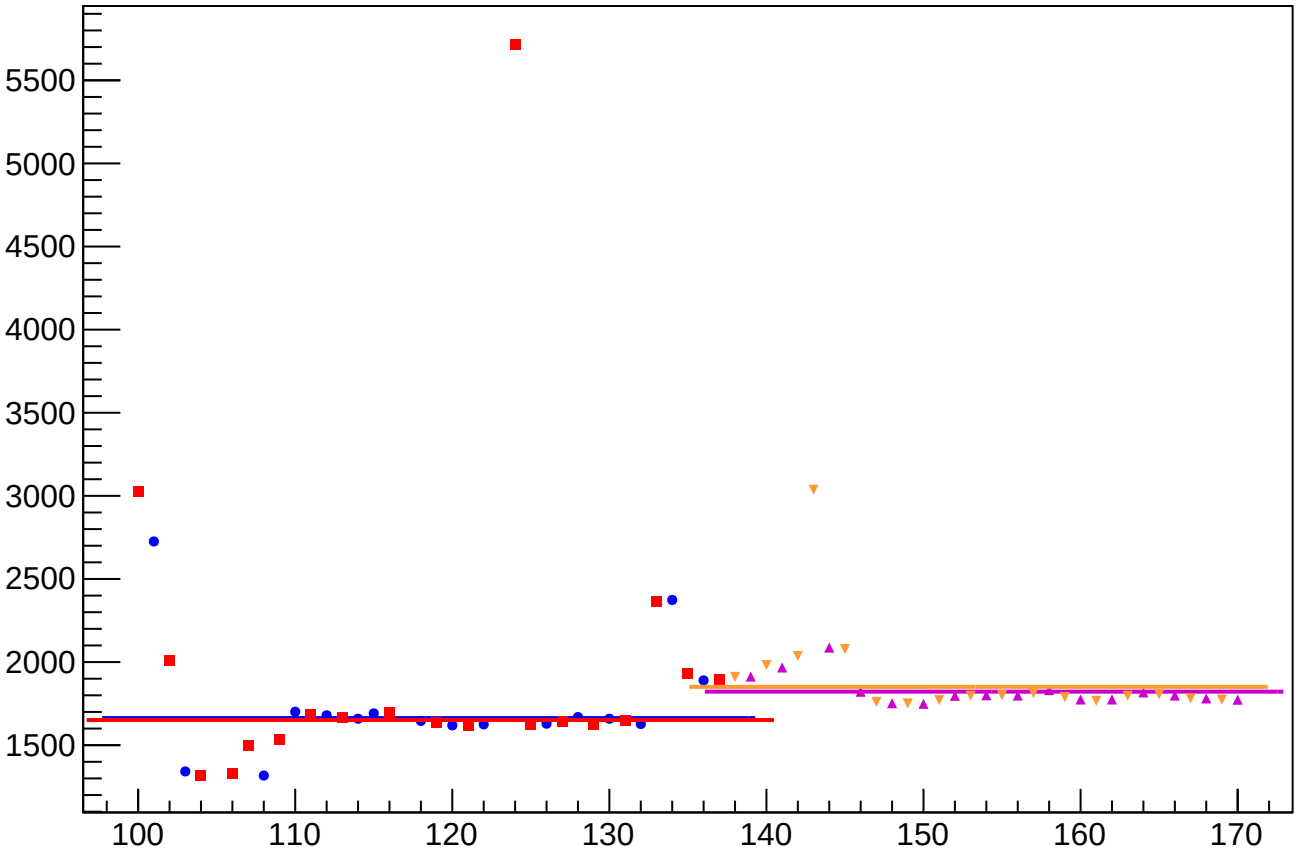
Left: 1748.989+/-356.863 χ^2/NDF: 62.3/32

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3209.342+/-391.939 χ^2/NDF:10.6/31

Out: 957.789+/-393.227 χ^2/NDF:57.5/35

All: 2087.260+/-277.597 χ^2/NDF: 84.6/67



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1850.986+/-0.359 χ^2/NDF:315016.9/16

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

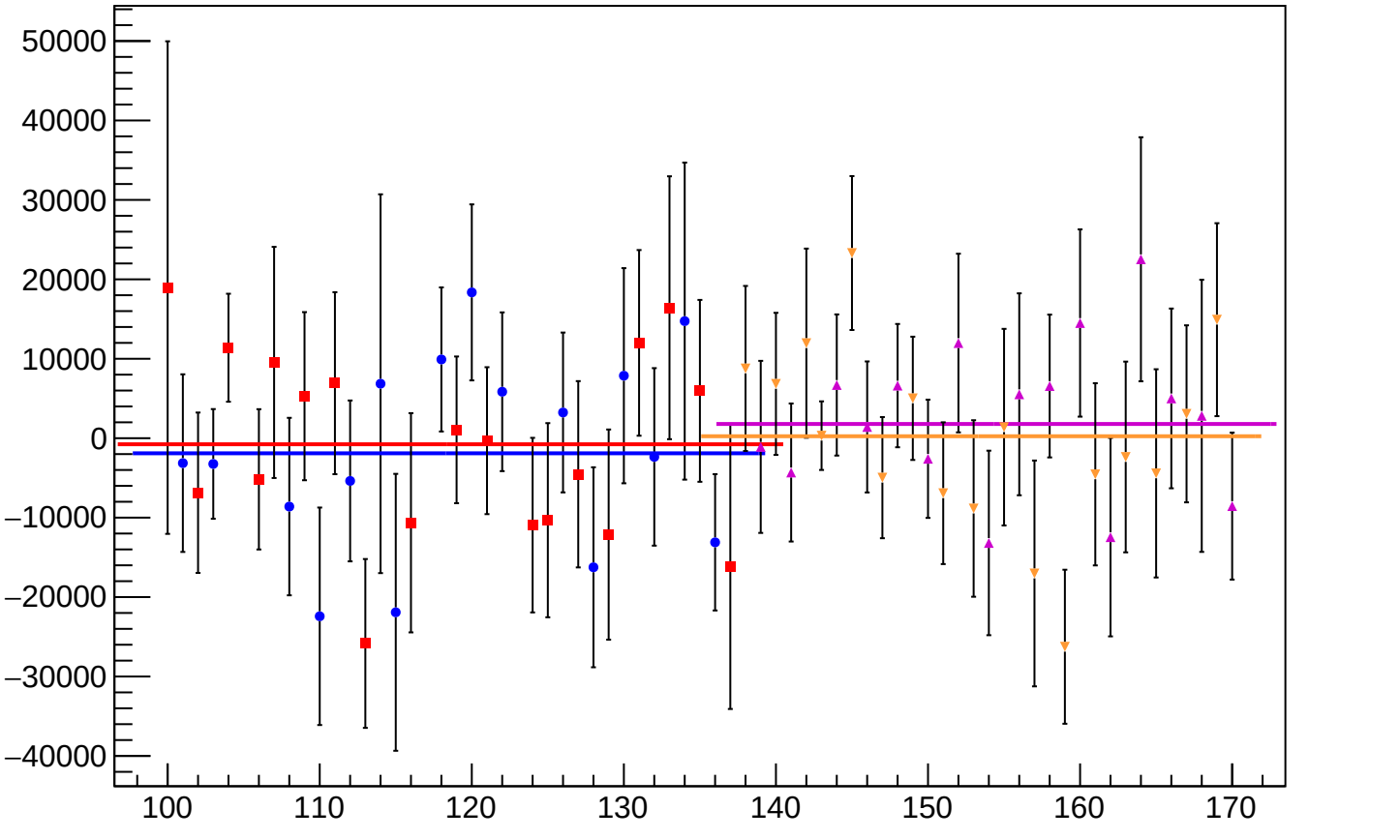
Left: 1836.308+/-0.252 χ^2/NDF: 372173.0/32

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1760.019+/-0.277 χ^2/NDF:547837.4/31

Out: 1771.056+/-0.278 χ^2/NDF:870767.4/35

All: 1765.519+/-0.196 χ^2/NDF: 1419395.1/67



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 247.774+/-2209.298 χ^2/NDF:20.8/16

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1790.489+/-2512.284 χ^2/NDF:10.1/15

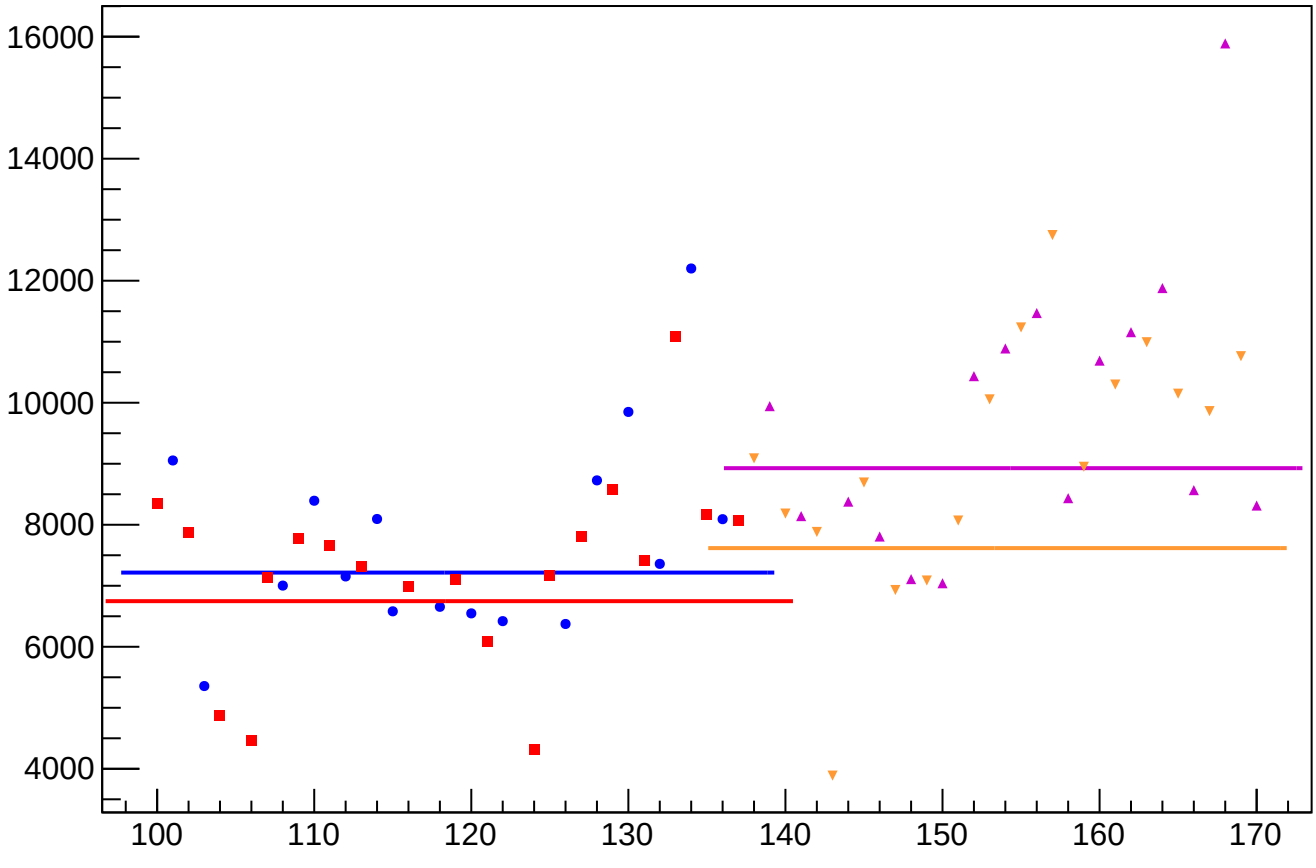
Left: 920.541+/-1659.045 χ^2/NDF: 31.1/32

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 104.860+/-1851.719 χ^2/NDF:25.4/31

Out: -185.426+/-1669.754 χ^2/NDF:38.2/35

All: -55.243+/-1240.050 χ^2/NDF: 63.6/67



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7617.235+/-1.562 χ^2/NDF:2718373.8/16

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8927.538+/-1.776 χ^2/NDF:1019367.0/15

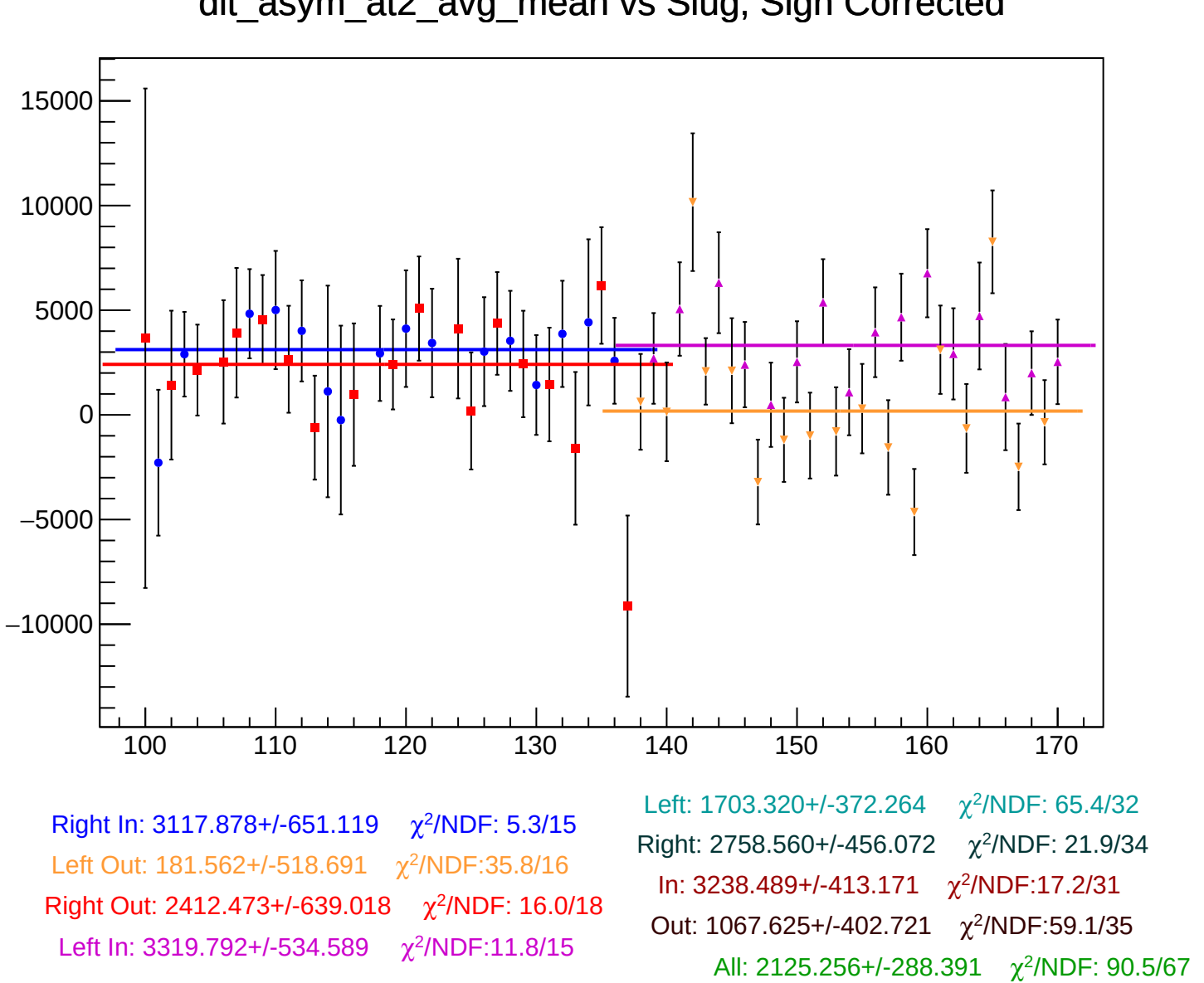
Left: 8188.648+/-1.173 χ^2/NDF: 4044532.7/32

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

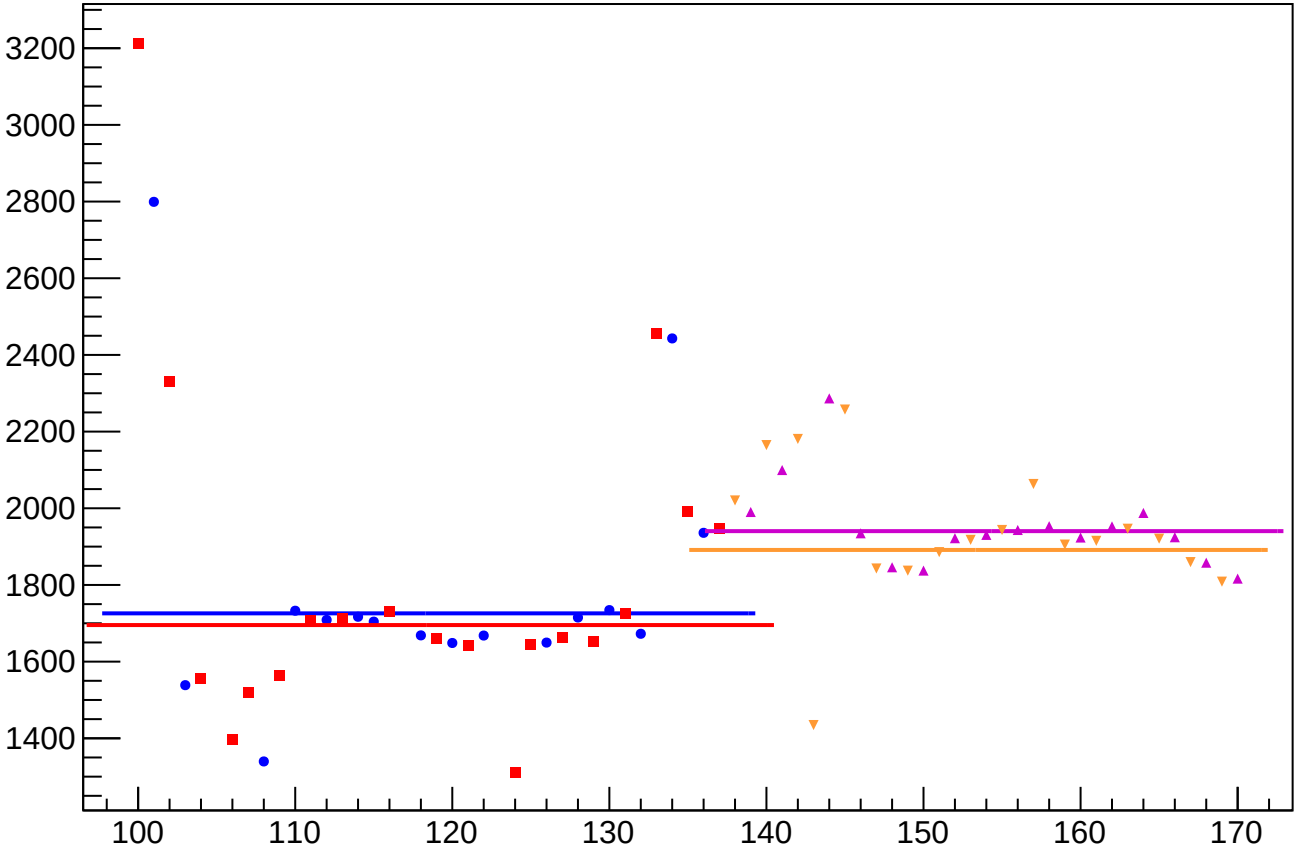
In: 8145.834+/-1.309 χ^2/NDF:1955442.8/31

Out: 7244.403+/-1.181 χ^2/NDF:3559999.2/35

All: 7648.663+/-0.877 χ^2/NDF: 5776849.3/67


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3117.878+/-651.119 χ²/NDF: 5.3/15
Left Out: 181.562+/-518.691 χ²/NDF:35.8/16
Right Out: 2412.473+/-639.018 χ²/NDF: 16.0/18
Left In: 3319.792+/-534.589 χ²/NDF:11.8/15
Left: 1703.320+/-372.264 χ²/NDF: 65.4/32
Right: 2758.560+/-456.072 χ²/NDF: 21.9/34
In: 3238.489+/-413.171 χ²/NDF:17.2/31
Out: 1067.625+/-402.721 χ²/NDF:59.1/35
All: 2125.256+/-288.391 χ²/NDF: 90.5/67

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1891.323+/-0.367 χ^2/NDF:278333.0/16

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1940.381+/-0.378 χ^2/NDF:74708.4/15

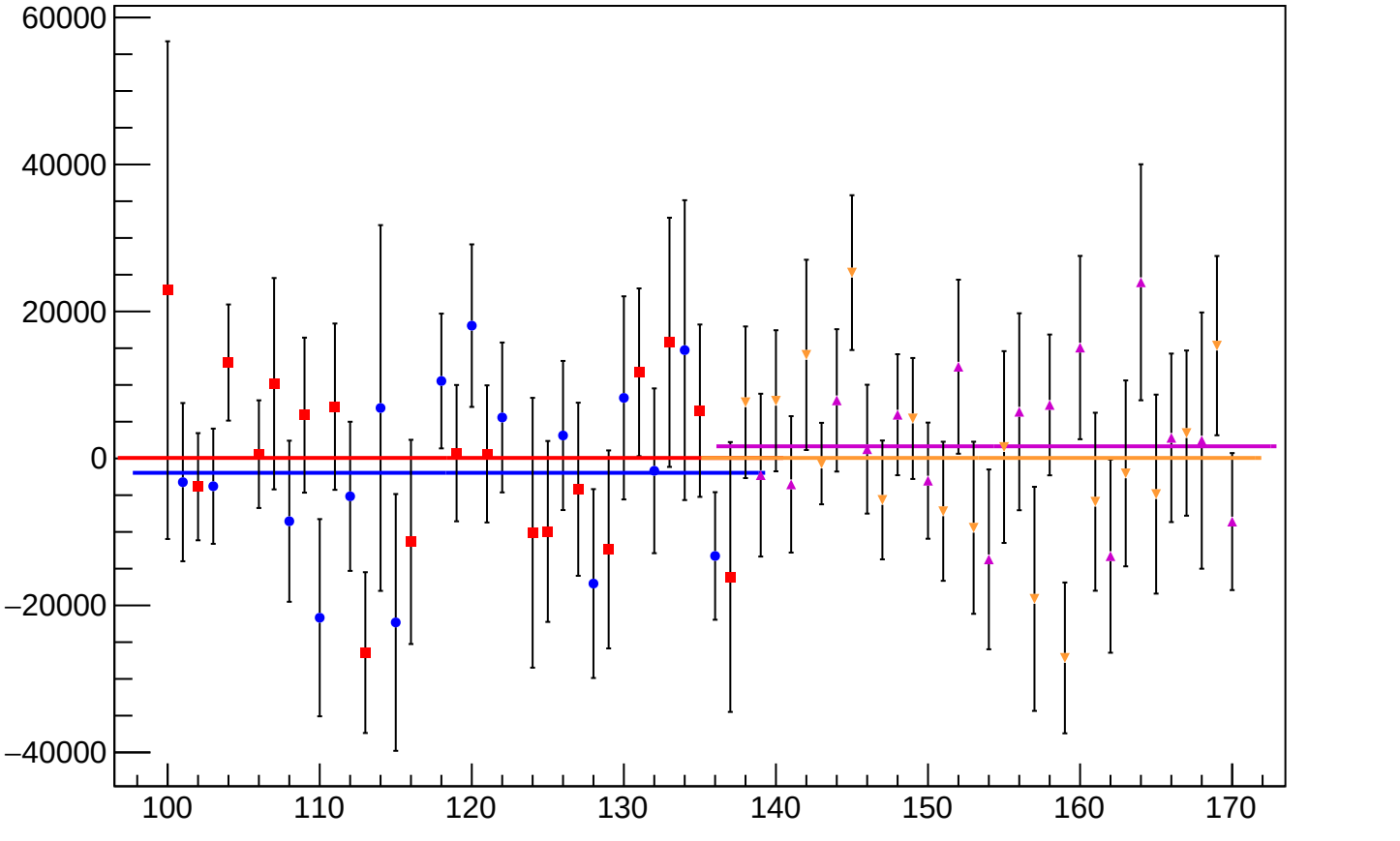
Left: 1915.111+/-0.263 χ^2/NDF: 361717.0/32

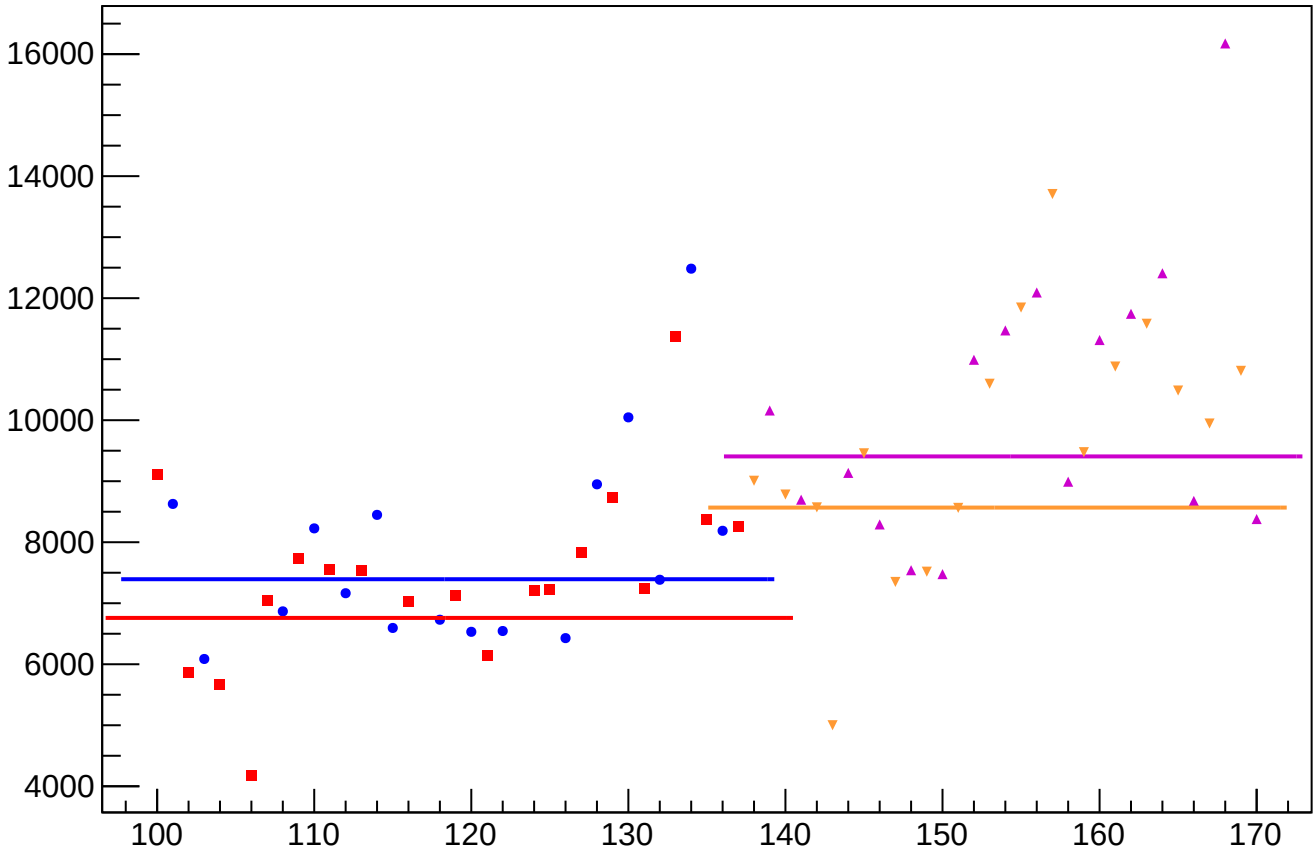
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1854.022+/-0.292 χ^2/NDF:569964.9/31

Out: 1813.467+/-0.285 χ^2/NDF:677355.6/35

All: 1833.222+/-0.204 χ^2/NDF: 1257203.2/67


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: 66.062+/-2431.737 χ²/NDF:21.0/16
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 1650.056+/-2644.699 χ²/NDF:10.0/15
Left: 791.725+/-1790.058 χ²/NDF: 31.1/32
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: -52.492+/-1922.096 χ²/NDF:25.2/31
Out: 67.068+/-1753.050 χ²/NDF:37.1/35
All: 12.776+/-1295.242 χ²/NDF: 62.3/67



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8567.860+/-1.719 χ^2/NDF:1678477.3/16

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9406.484+/-1.870 χ^2/NDF:967287.3/15

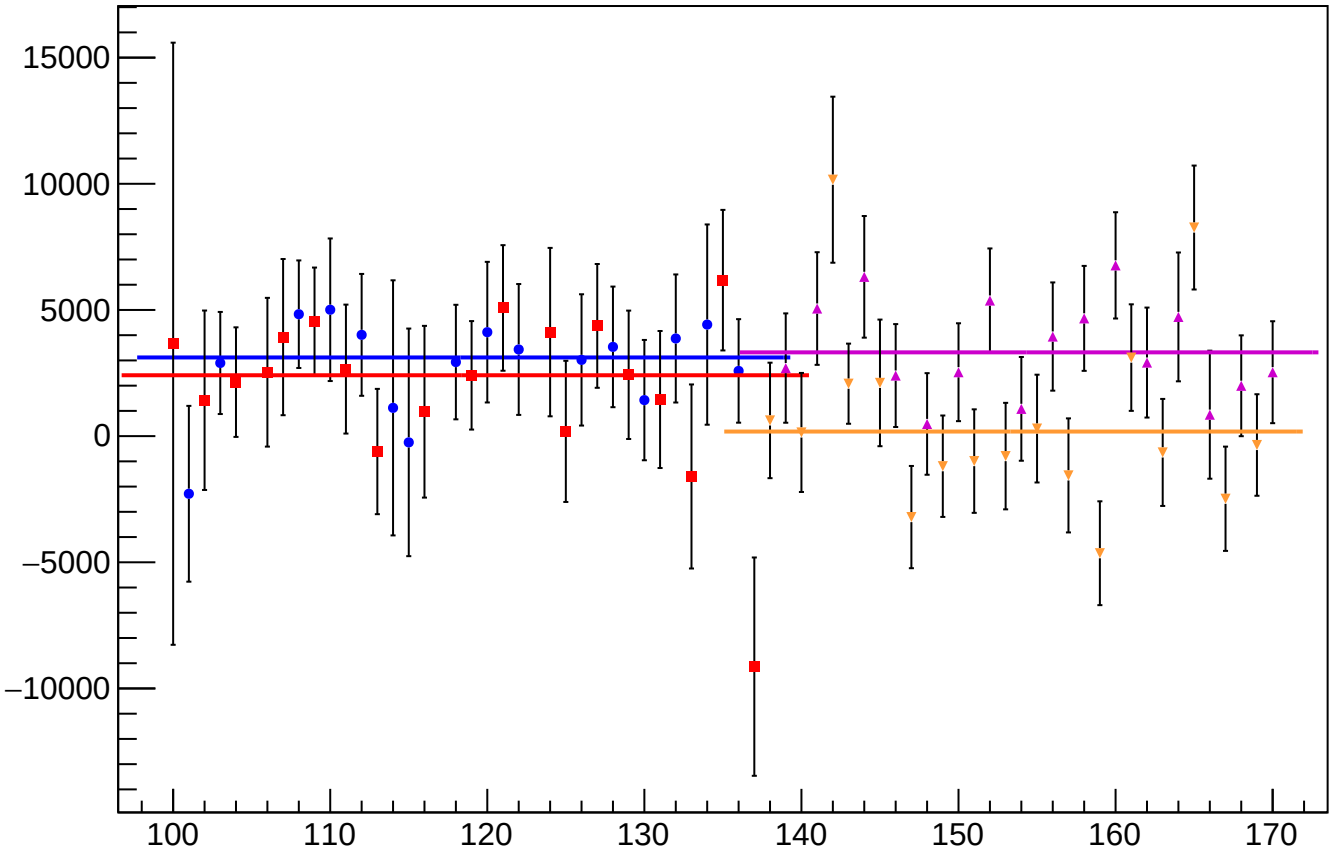
Left: 8952.052+/-1.266 χ^2/NDF: 2754736.1/32

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8456.814+/-1.359 χ^2/NDF:1915707.0/31

Out: 7699.275+/-1.240 χ^2/NDF:2854033.0/35

All: 8043.273+/-0.916 χ^2/NDF: 4939330.8/67



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 181.548+/-518.692 χ^2/NDF:35.8/16

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3319.795+/-534.590 χ^2/NDF:11.8/15

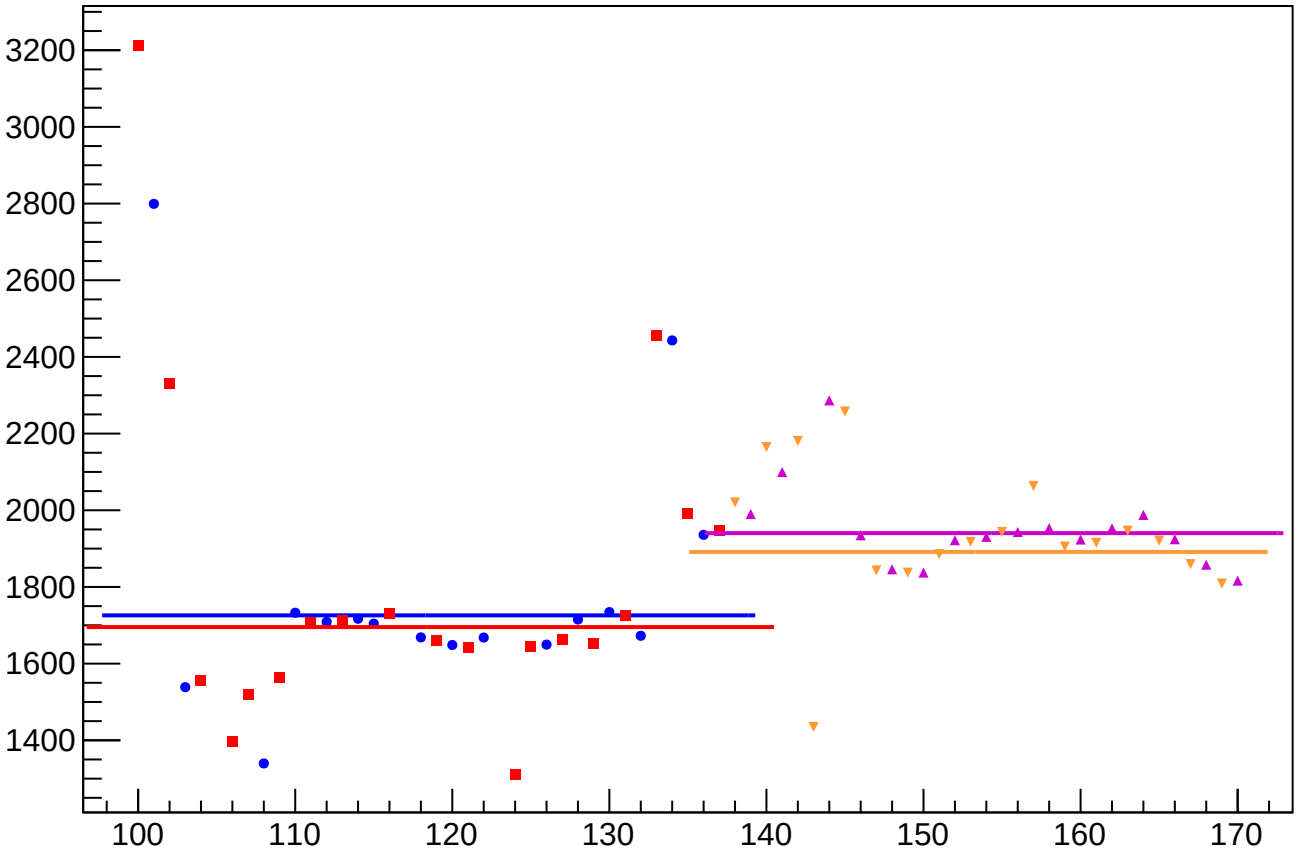
Left: 1703.313+/-372.264 χ^2/NDF: 65.4/32

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3238.492+/-413.172 χ^2/NDF:17.2/31

Out: 1067.622+/-402.721 χ^2/NDF:59.1/35

All: 2125.255+/-288.391 χ^2/NDF: 90.5/67



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1891.326+/-0.367 χ^2/NDF:278334.6/16

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1940.384+/-0.378 χ^2/NDF:74709.2/15

Left: 1915.115+/-0.263 χ^2/NDF: 361719.5/32

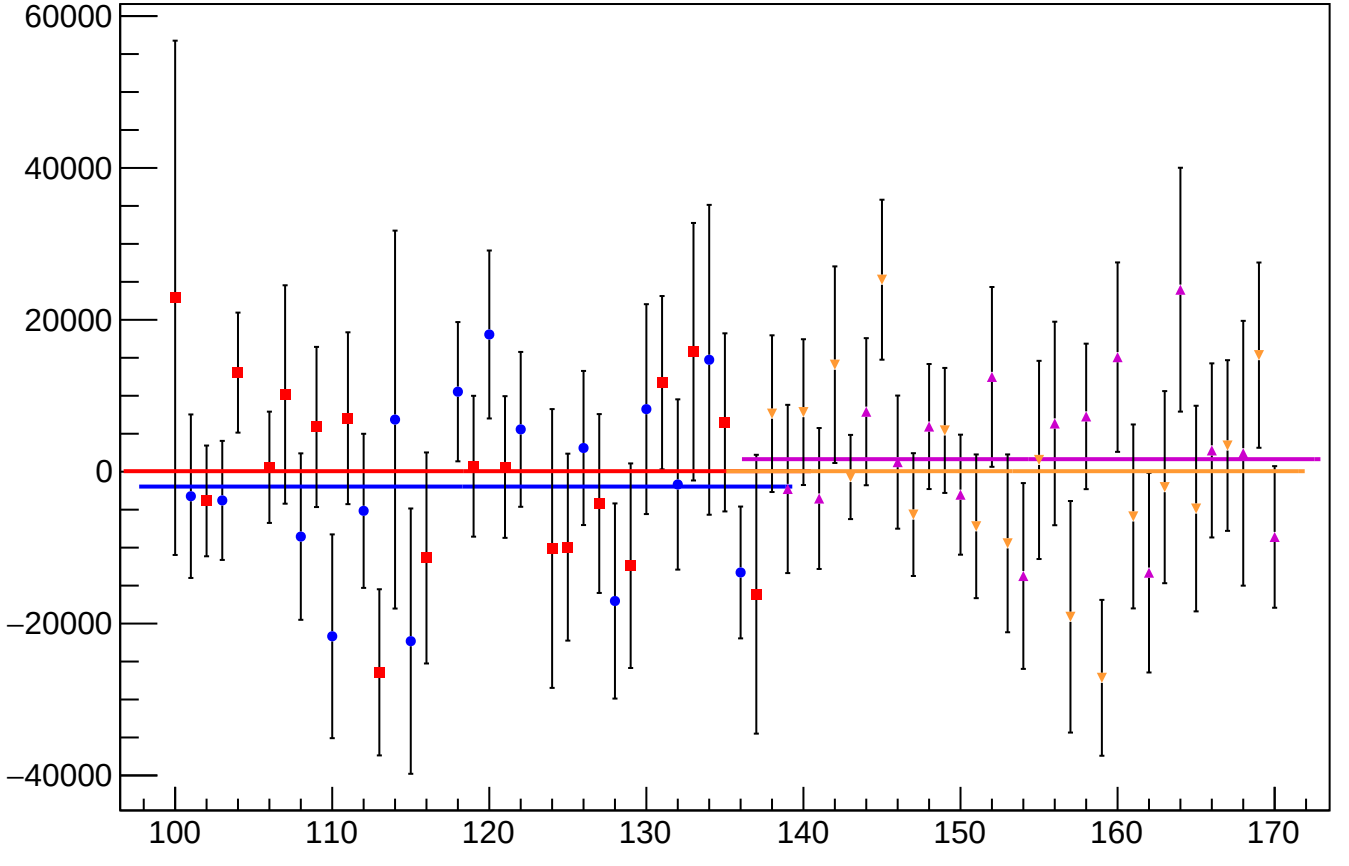
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1854.024+/-0.292 χ^2/NDF:569970.3/31

Out: 1813.469+/-0.285 χ^2/NDF:677361.5/35

All: 1833.224+/-0.204 χ^2/NDF: 1257214.4/67

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 66.054+/-2431.741 χ^2/NDF:21.0/16

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 1650.053+/-2644.703 χ^2/NDF:10.0/15

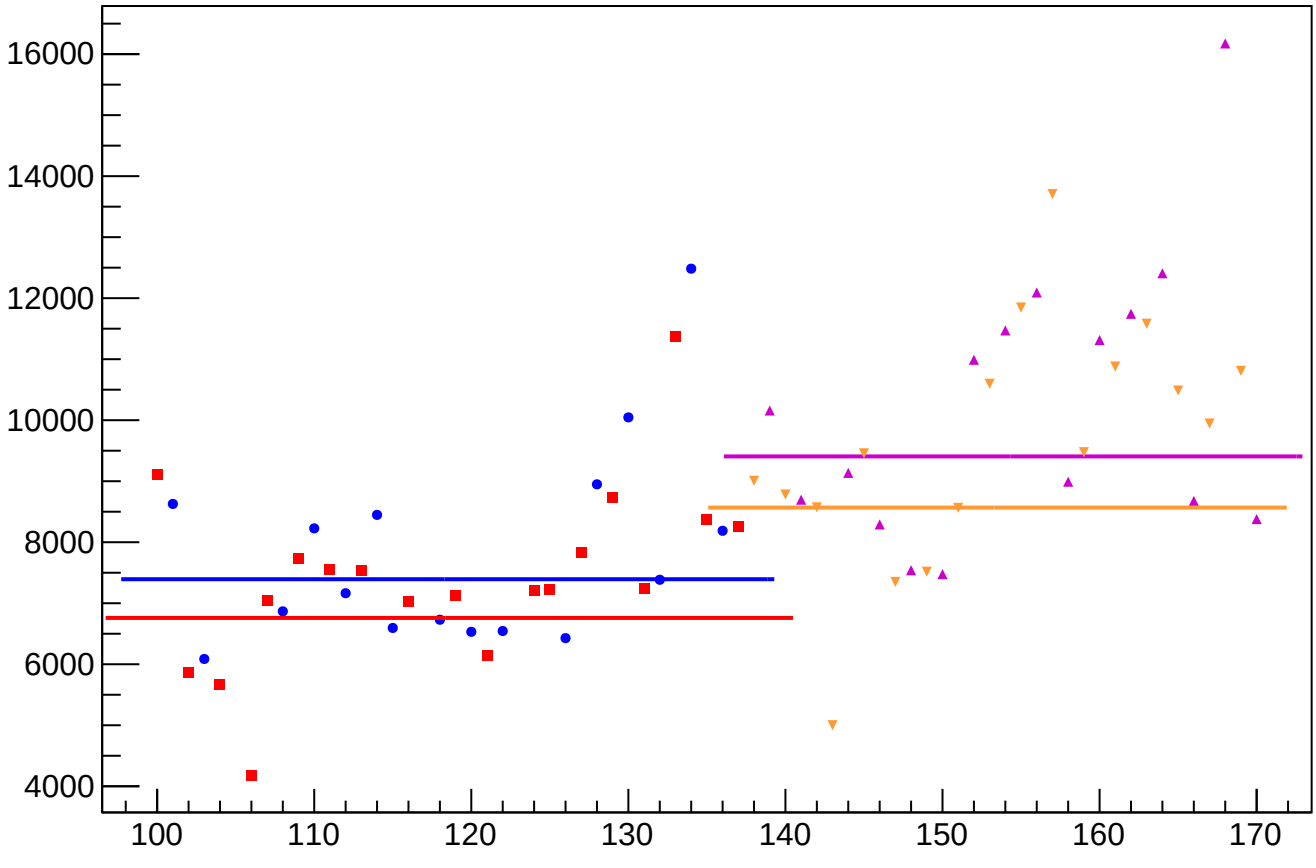
Left: 791.720+/-1790.061 χ^2/NDF: 31.1/32

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -52.490+/-1922.095 χ^2/NDF:25.2/31

Out: 67.067+/-1753.049 χ^2/NDF:37.1/35

All: 12.776+/-1295.241 χ^2/NDF: 62.3/67



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8567.873+/-1.720 χ^2/NDF:1678477.4/16

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9406.496+/-1.870 χ^2/NDF:967289.6/15

Left: 8952.065+/-1.266 χ^2/NDF: 2754738.1/32

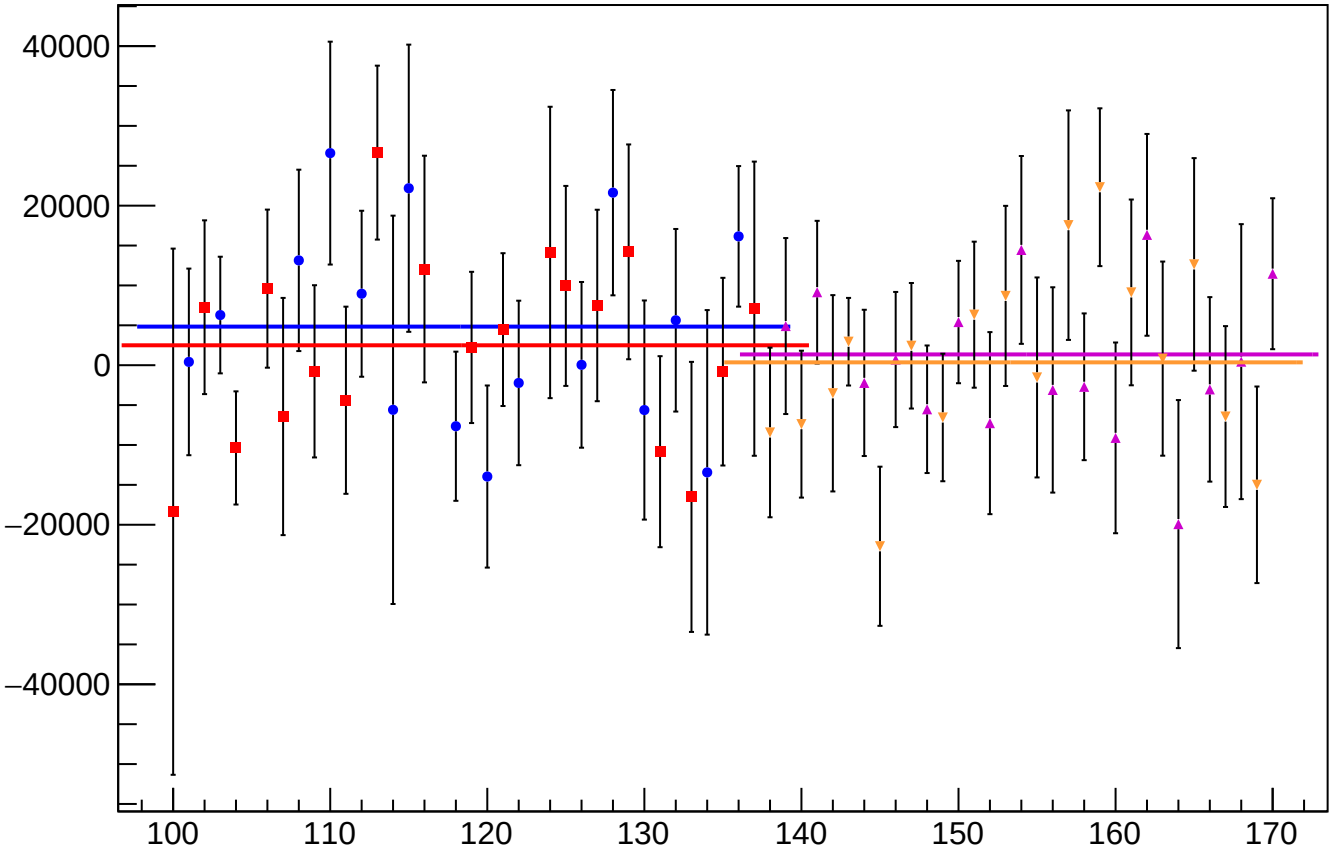
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8456.808+/-1.359 χ^2/NDF:1915728.4/31

Out: 7699.272+/-1.240 χ^2/NDF:2854048.4/35

All: 8043.269+/-0.916 χ^2/NDF: 4939367.0/67

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 357.096+/-2372.878 χ^2/NDF:18.5/16

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1351.736+/-2570.511 χ^2/NDF:9.5/15

Left: 814.714+/-1743.566 χ^2/NDF: 28.1/32

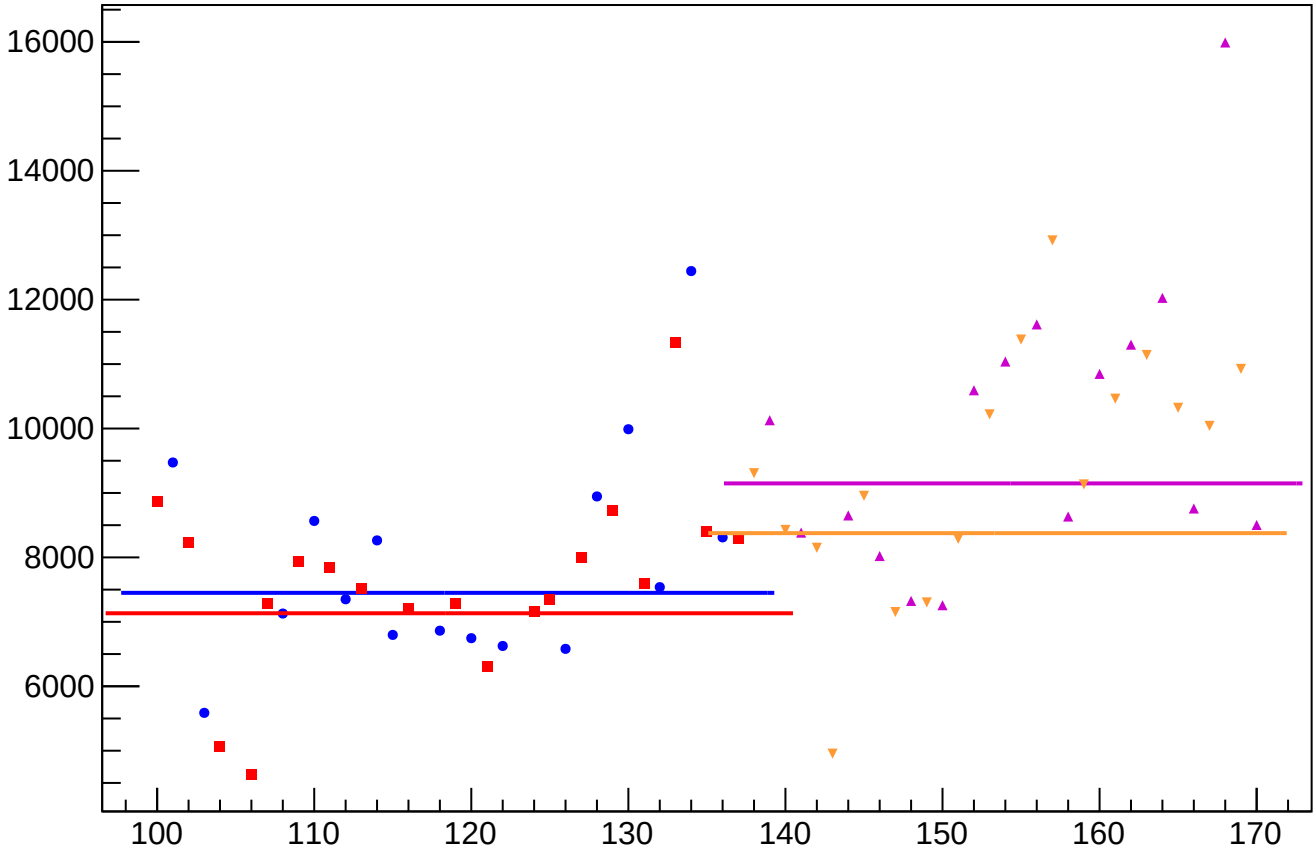
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2928.322+/-1902.437 χ^2/NDF:24.7/31

Out: 1290.868+/-1781.086 χ^2/NDF:33.8/35

All: 2055.708+/-1300.203 χ^2/NDF: 58.9/67

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8376.454+/-1.678 χ^2/NDF:1602893.4/16

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9148.326+/-1.818 χ^2/NDF:954442.4/15

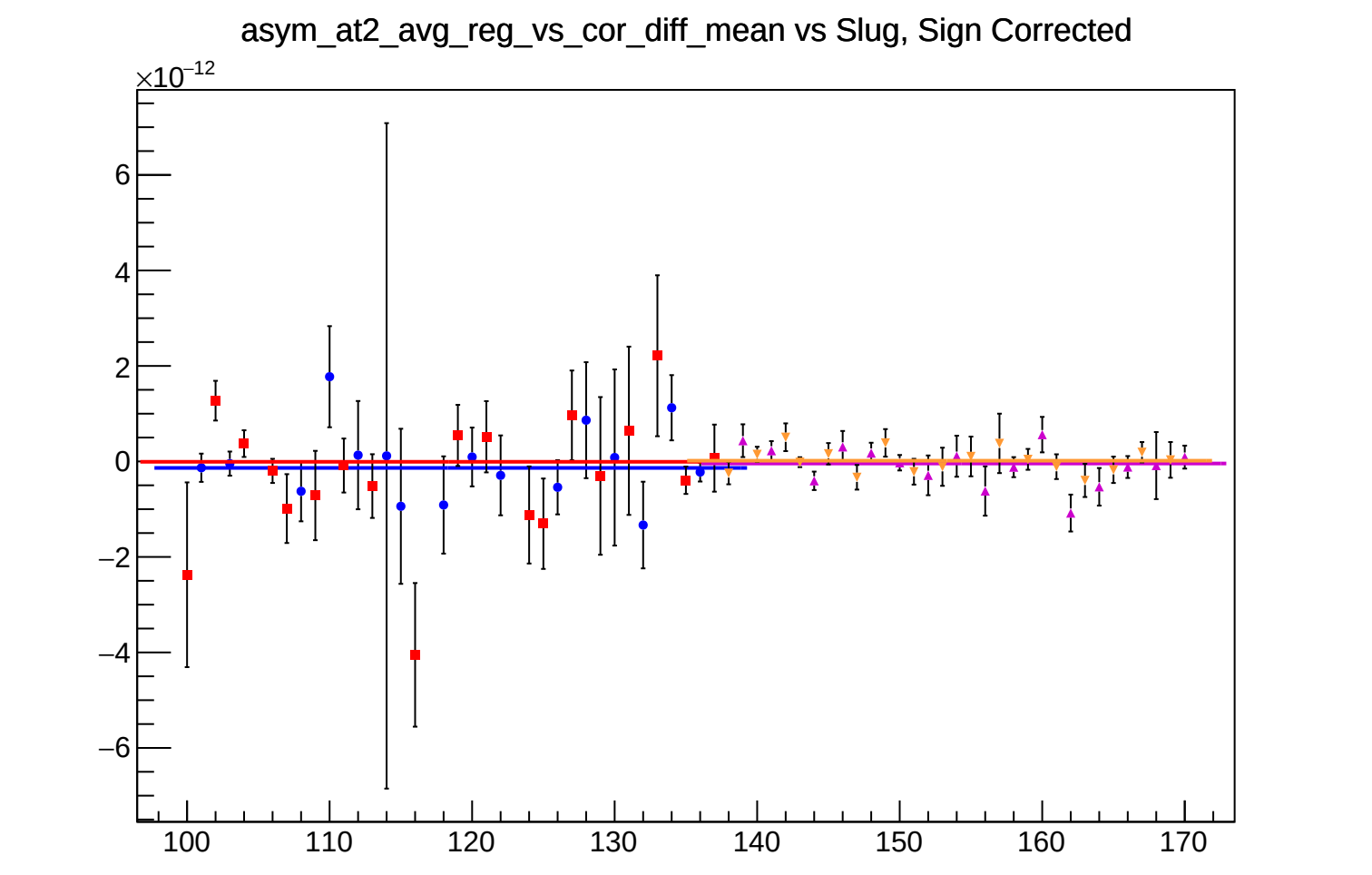
Left: 8731.580+/-1.233 χ^2/NDF: 2654701.8/32

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8380.242+/-1.345 χ^2/NDF:1835713.1/31

Out: 7833.572+/-1.259 χ^2/NDF:2399644.9/35

All: 8088.910+/-0.919 χ^2/NDF: 4323366.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:23.1/15

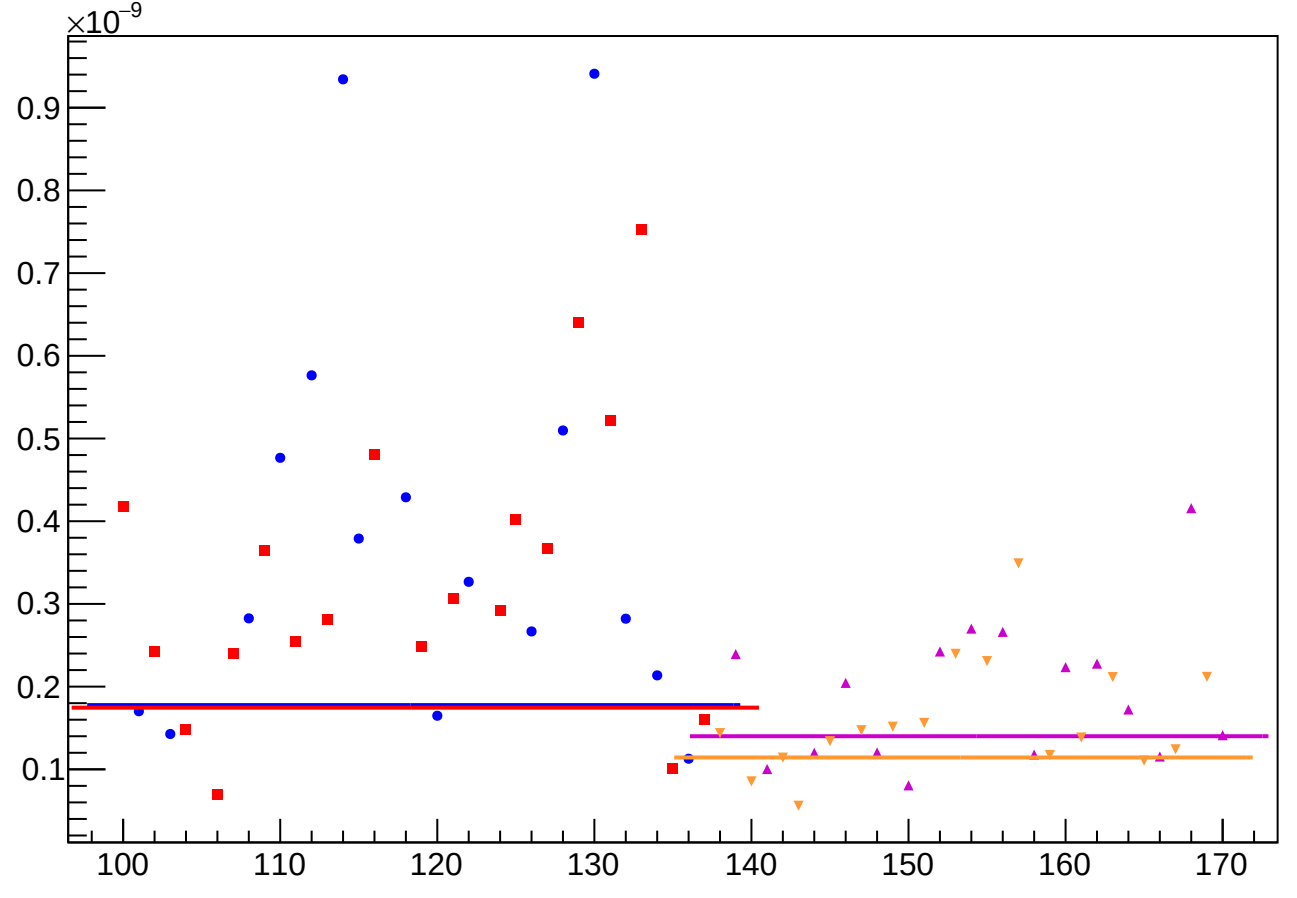
Left: -0.000+/-0.000 χ^2/NDF: 36.3/32

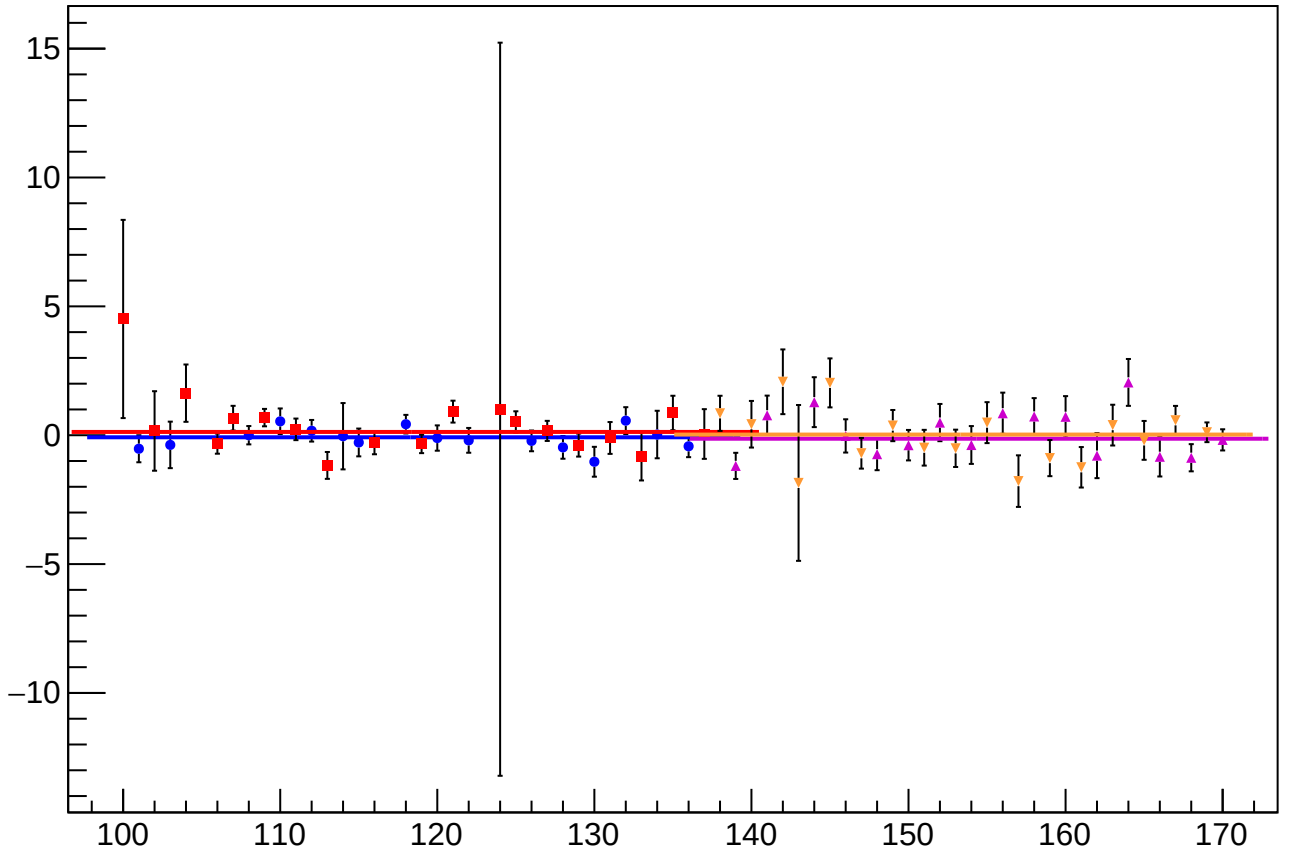
Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:45.6/35

All: -0.000+/-0.000 χ^2/NDF: 81.7/67


asym_at2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1817687.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1623276.7/15
Left: 0.000+/-0.000 χ²/NDF: 3616652.2/32
Right: 0.000+/-0.000 χ²/NDF: 3172068.5/34
In: 0.000+/-0.000 χ²/NDF:3303907.3/31
Out: 0.000+/-0.000 χ²/NDF:3857886.5/35
All: 0.000+/-0.000 χ²/NDF: 7361988.7/67



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.025+/-0.171 χ^2/NDF:21.3/16

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.136+/-0.164 χ^2/NDF:23.2/15

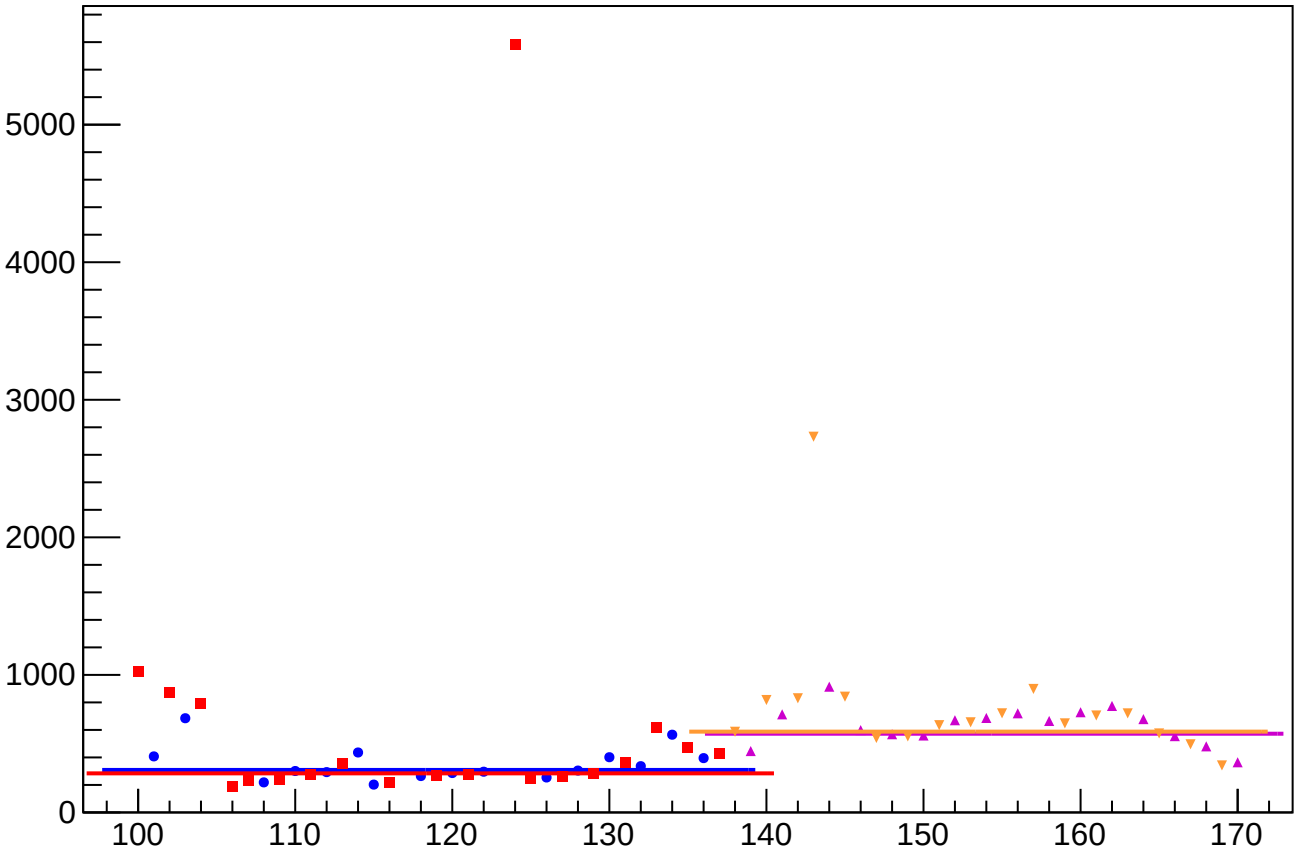
Left: -0.058+/-0.118 χ^2/NDF: 44.9/32

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.095+/-0.096 χ^2/NDF:46.8/35

All: -0.001+/-0.069 χ^2/NDF: 82.8/67



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 587.507+/-0.121 χ^2/NDF:2641728.2/16

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 572.358+/-0.116 χ^2/NDF:1416561.5/15

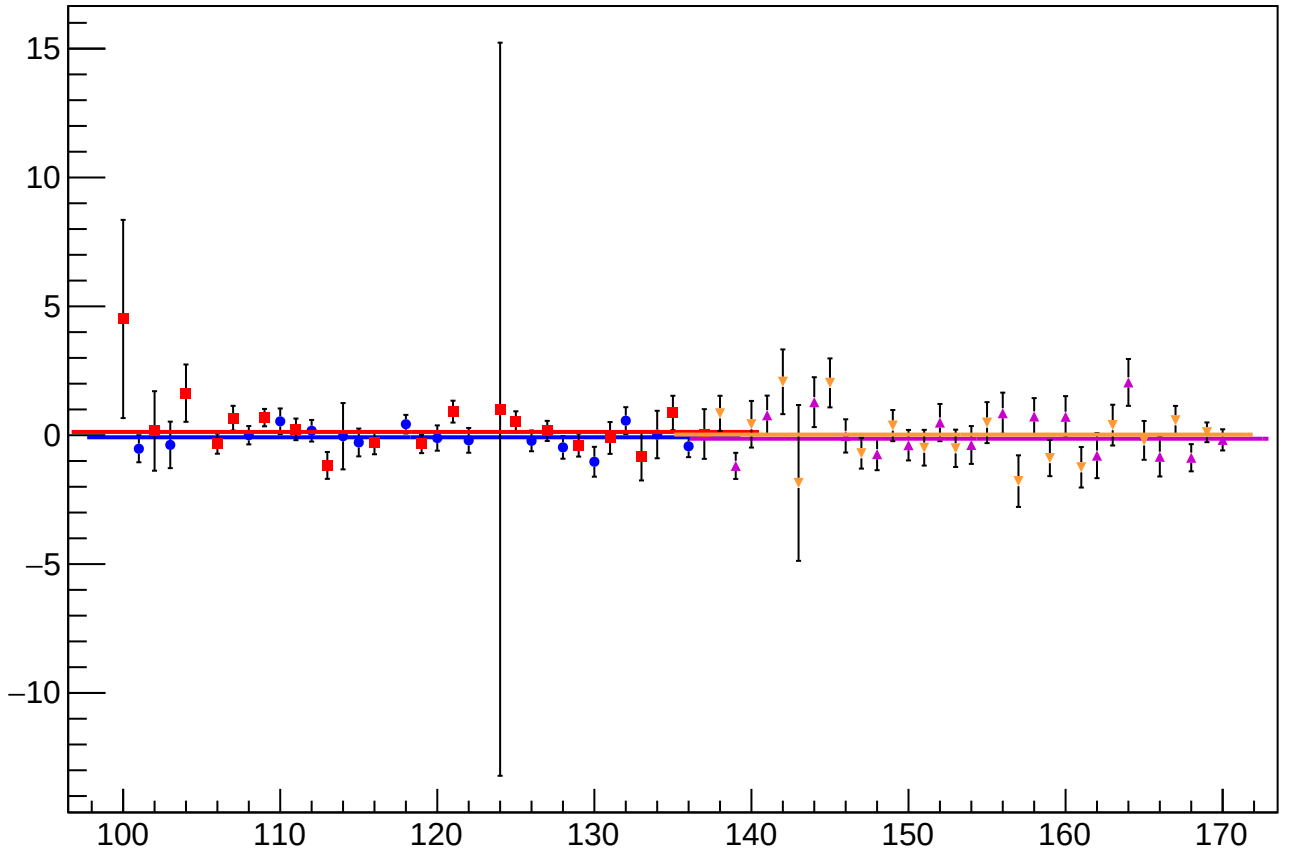
Left: 579.642+/-0.084 χ^2/NDF: 4066485.6/32

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.674+/-0.069 χ^2/NDF:5748911.9/31

Out: 381.186+/-0.068 χ^2/NDF:8803268.3/35

All: 391.774+/-0.049 χ^2/NDF: 14601118.4/67



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.025+/-0.171 χ^2/NDF:21.3/16

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.058+/-0.118 χ^2/NDF: 44.9/32

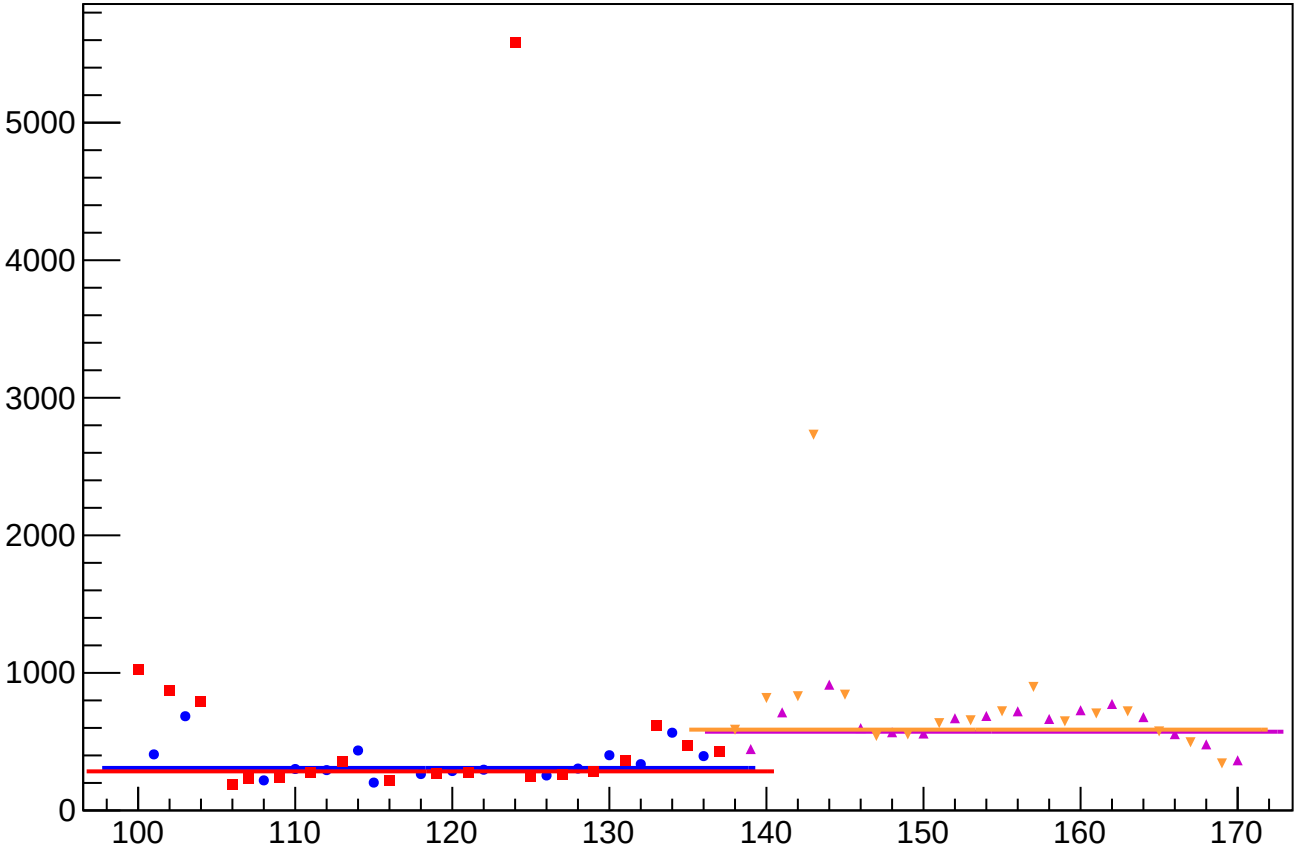
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.095+/-0.096 χ^2/NDF:46.8/35

All: -0.001+/-0.069 χ^2/NDF: 82.8/67

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 587.507+/-0.121 χ^2/NDF:2641728.2/16

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 572.358+/-0.116 χ^2/NDF:1416561.5/15

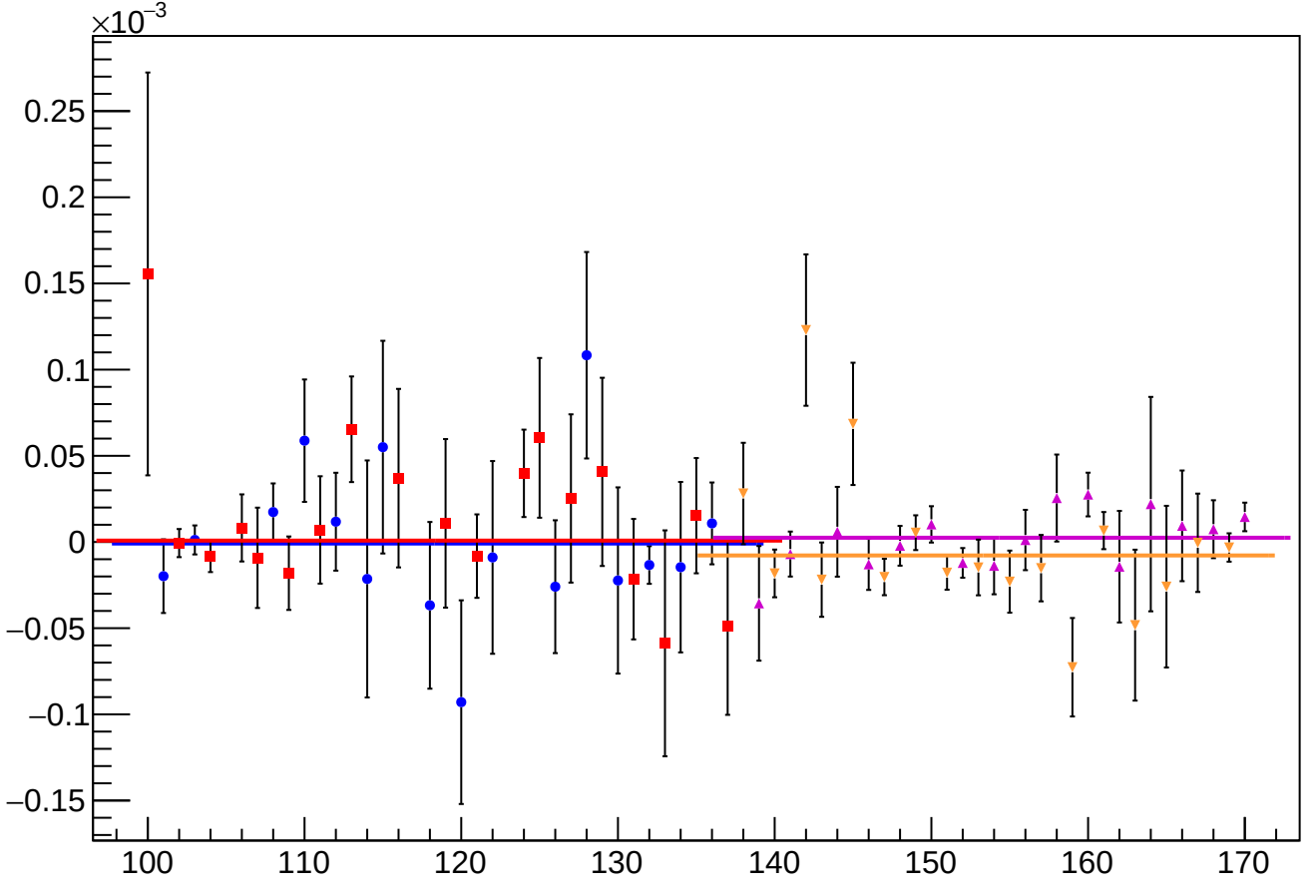
Left: 579.642+/-0.084 χ^2/NDF: 4066485.6/32

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.674+/-0.069 χ^2/NDF:5748911.9/31

Out: 381.186+/-0.068 χ^2/NDF:8803268.4/35

All: 391.774+/-0.049 χ^2/NDF: 14601118.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

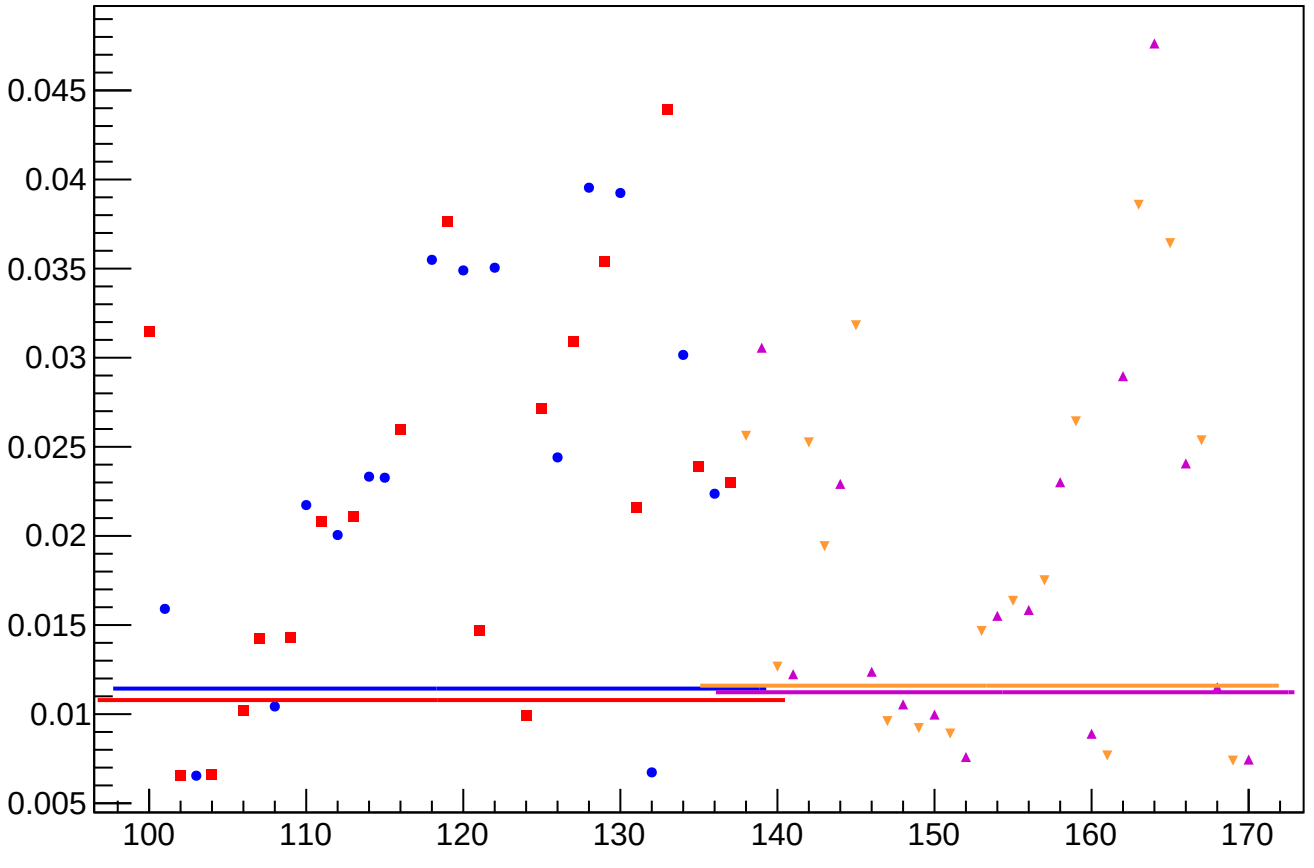
Left: -0.000+/-0.000 χ^2/NDF: 48.4/32

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:29.6/31

Out: -0.000+/-0.000 χ^2/NDF:47.6/35

All: -0.000+/-0.000 χ^2/NDF: 79.4/67



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:5415280.1/16

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:4293091.0/15

Left: 0.011+/-0.000 χ^2/NDF: 9718791.9/32

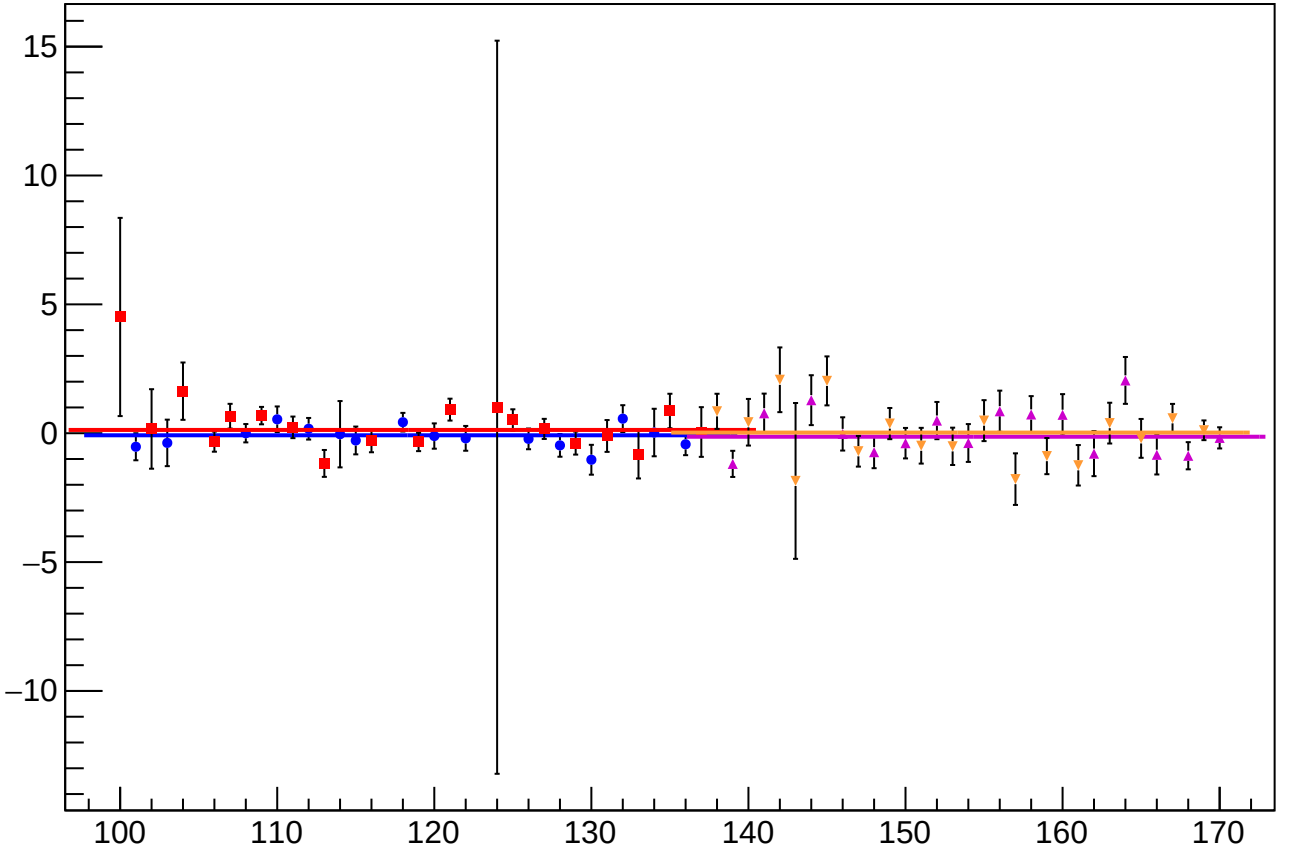
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:8995084.3/31

Out: 0.011+/-0.000 χ^2/NDF:9924588.3/35

All: 0.011+/-0.000 χ^2/NDF: 18919690.1/67

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: 0.025+/-0.171 χ^2/NDF:21.3/16

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.058+/-0.118 χ^2/NDF: 44.9/32

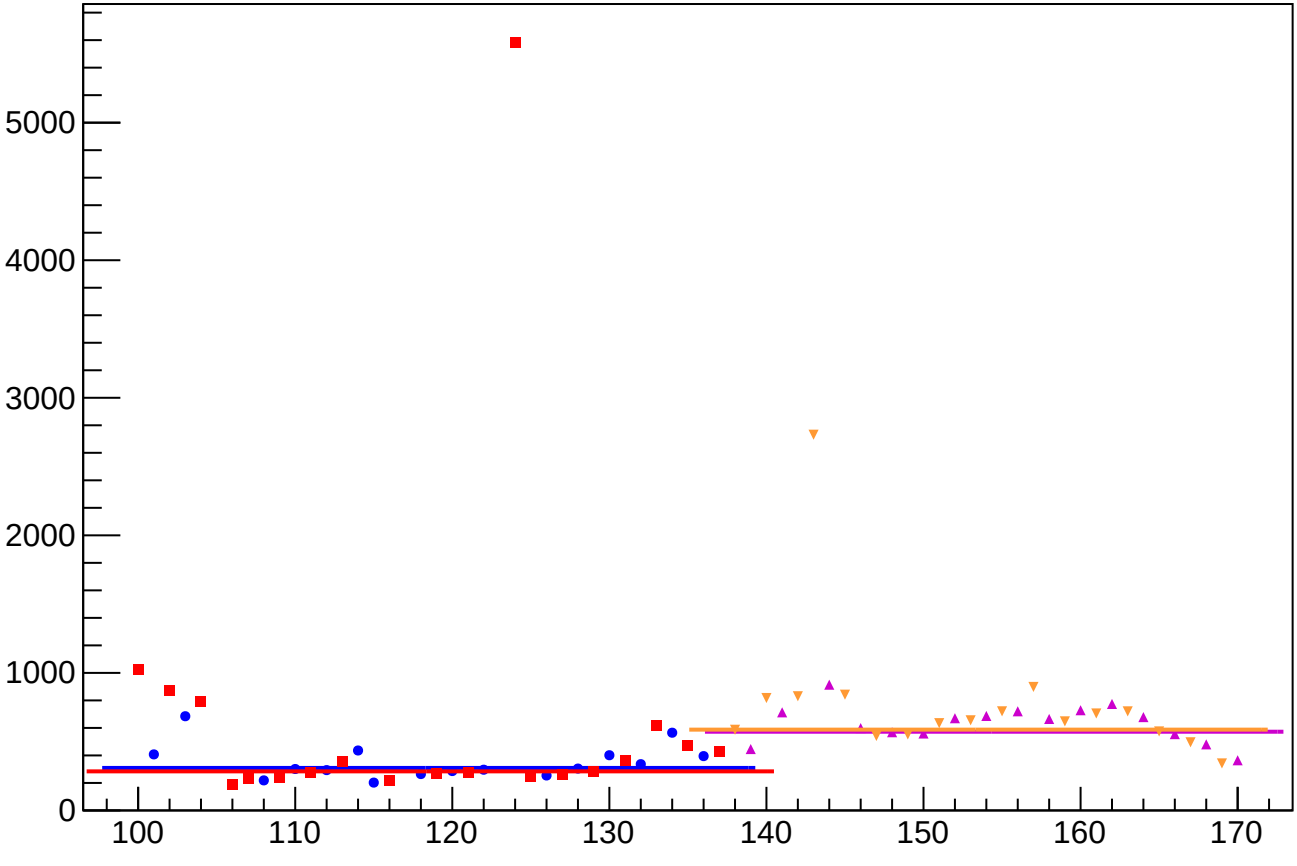
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.095+/-0.096 χ^2/NDF:46.8/35

All: -0.001+/-0.069 χ^2/NDF: 82.8/67

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 587.512+/-0.121 χ^2/NDF:2641801.0/16

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

Left: 579.649+/-0.084 χ^2/NDF: 4066580.9/32

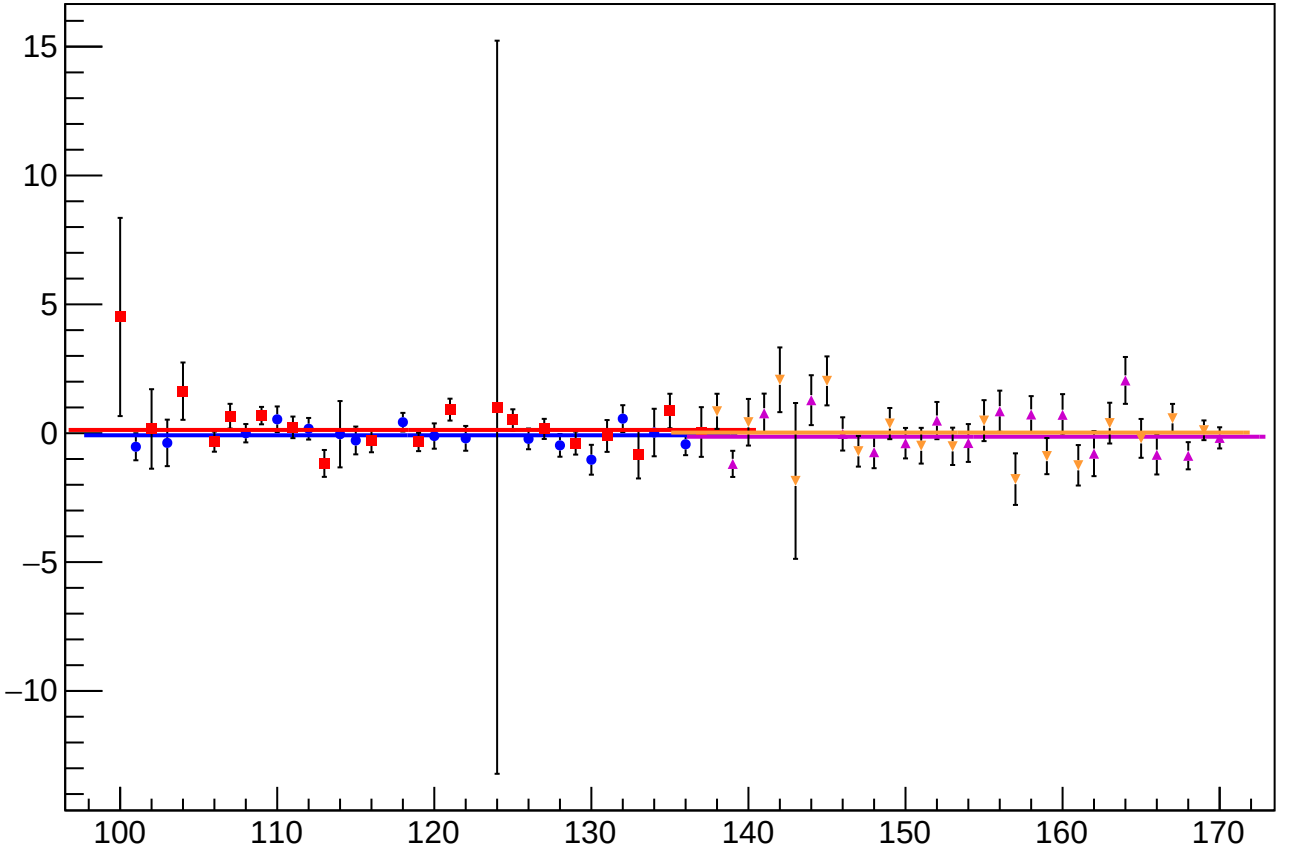
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.674+/-0.069 χ^2/NDF:5749061.9/31

Out: 381.186+/-0.068 χ^2/NDF:8803446.5/35

All: 391.774+/-0.049 χ^2/NDF: 14601449.0/67

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.025+/-0.171 χ^2/NDF:21.3/16

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.058+/-0.118 χ^2/NDF: 44.9/32

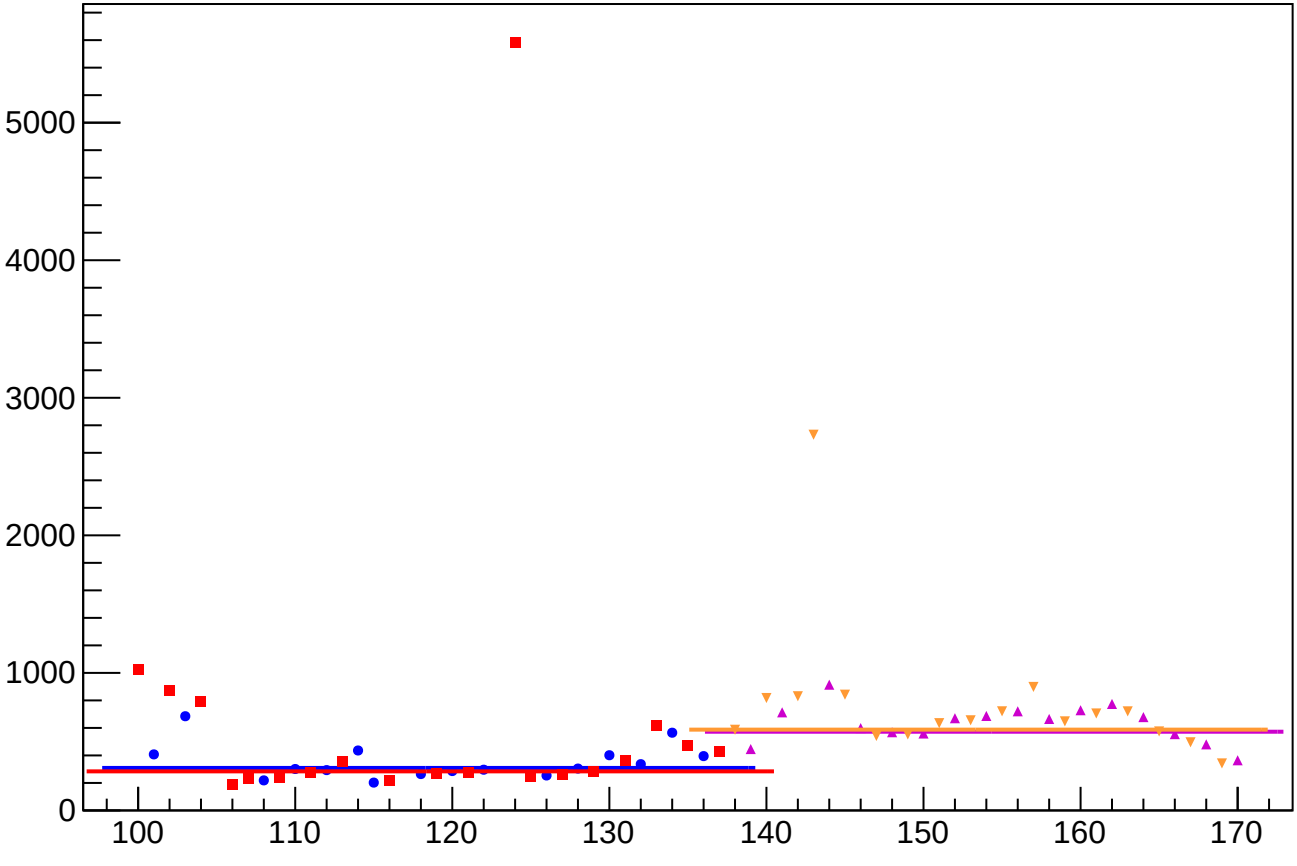
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.095+/-0.096 χ^2/NDF:46.8/35

All: -0.001+/-0.069 χ^2/NDF: 82.8/67

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 587.512+/-0.121 χ^2/NDF:2641801.0/16

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

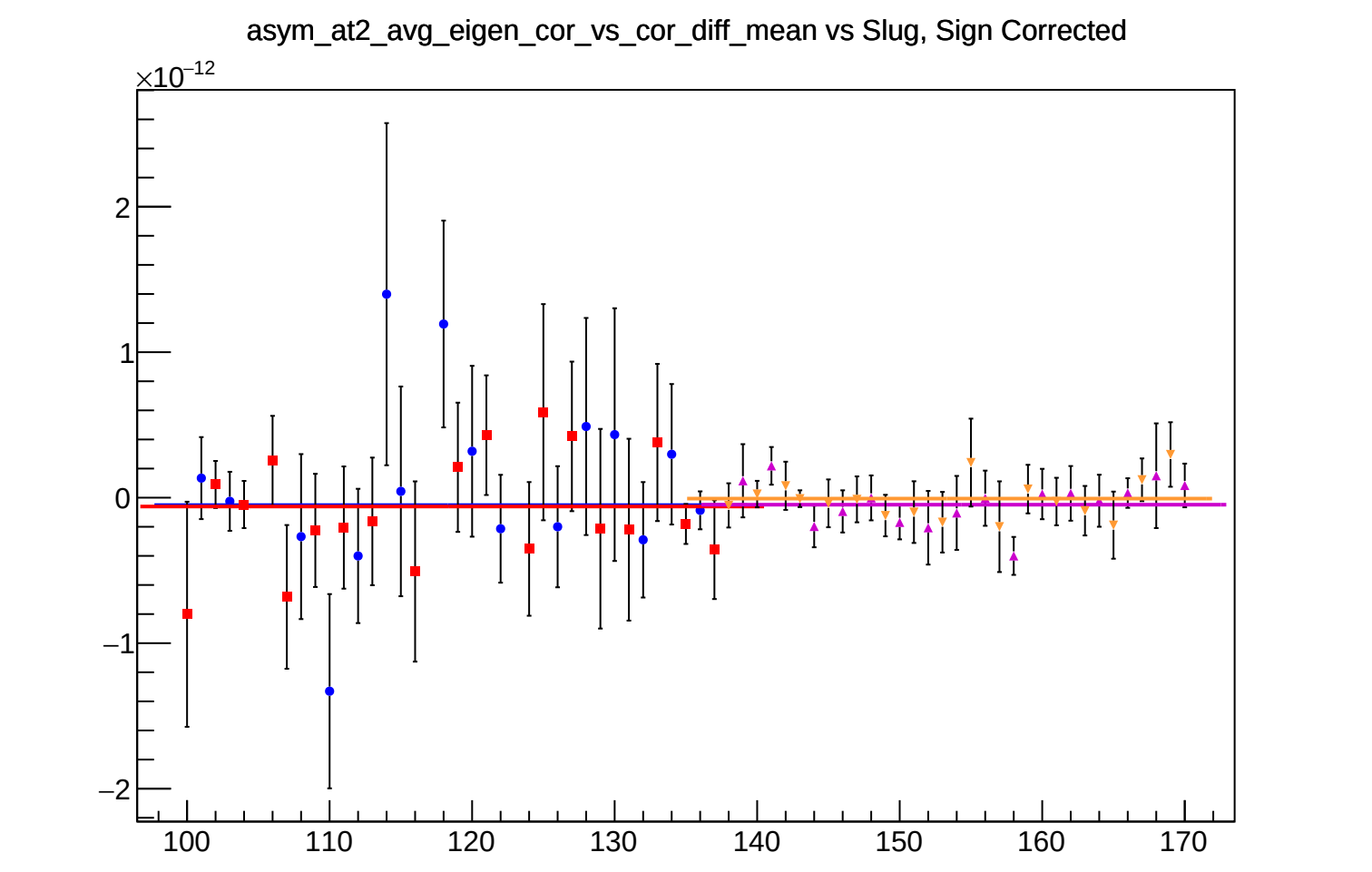
Left: 579.649+/-0.084 χ^2/NDF: 4066580.9/32

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.674+/-0.069 χ^2/NDF:5749061.9/31

Out: 381.186+/-0.068 χ^2/NDF:8803446.5/35

All: 391.774+/-0.049 χ^2/NDF: 14601449.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/15

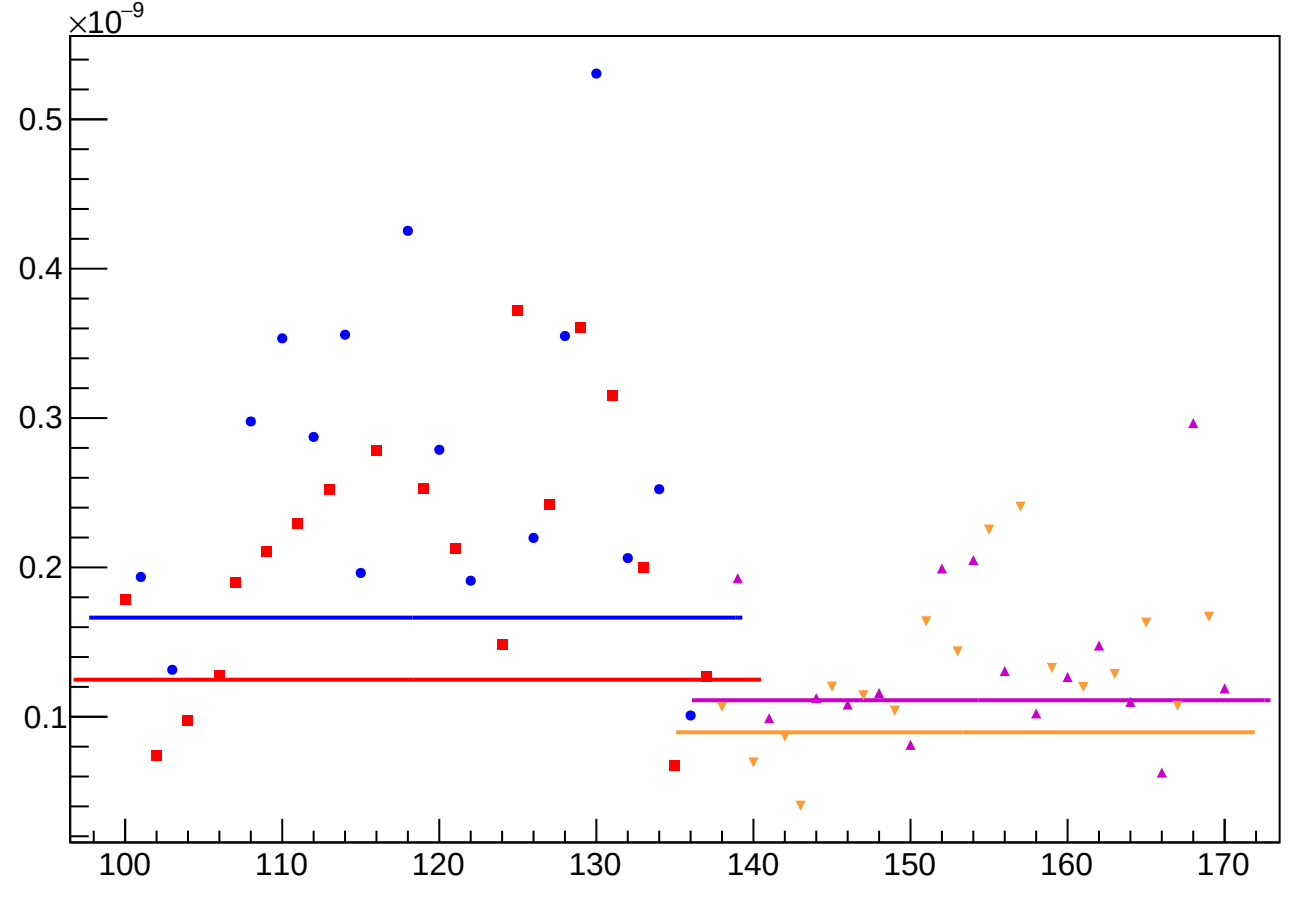
Left: -0.000+/-0.000 χ^2/NDF: 24.3/32

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: -0.000+/-0.000 χ^2/NDF:18.7/35

All: -0.000+/-0.000 χ^2/NDF: 48.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3753728.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1991397.4/15

Left: 0.000+/-0.000 χ^2/NDF: 6090024.2/32

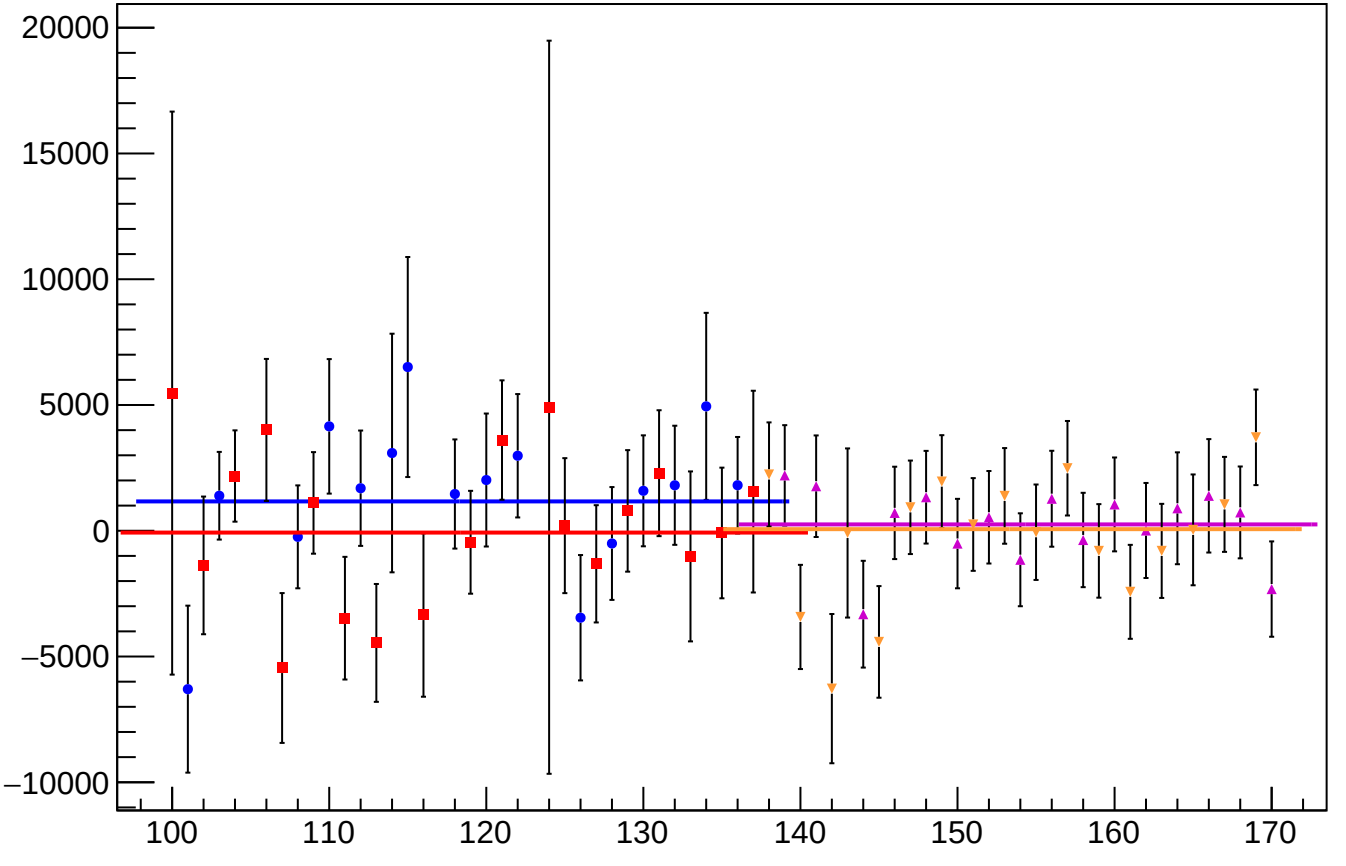
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4680002.5/31

Out: 0.000+/-0.000 χ^2/NDF:6374601.8/35

All: 0.000+/-0.000 χ^2/NDF: 11614357.0/67

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 63.540+/-487.265 χ^2/NDF:22.2/16

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 252.596+/-481.223 χ^2/NDF:8.4/15

Left: 159.247+/-342.392 χ^2/NDF: 30.7/32

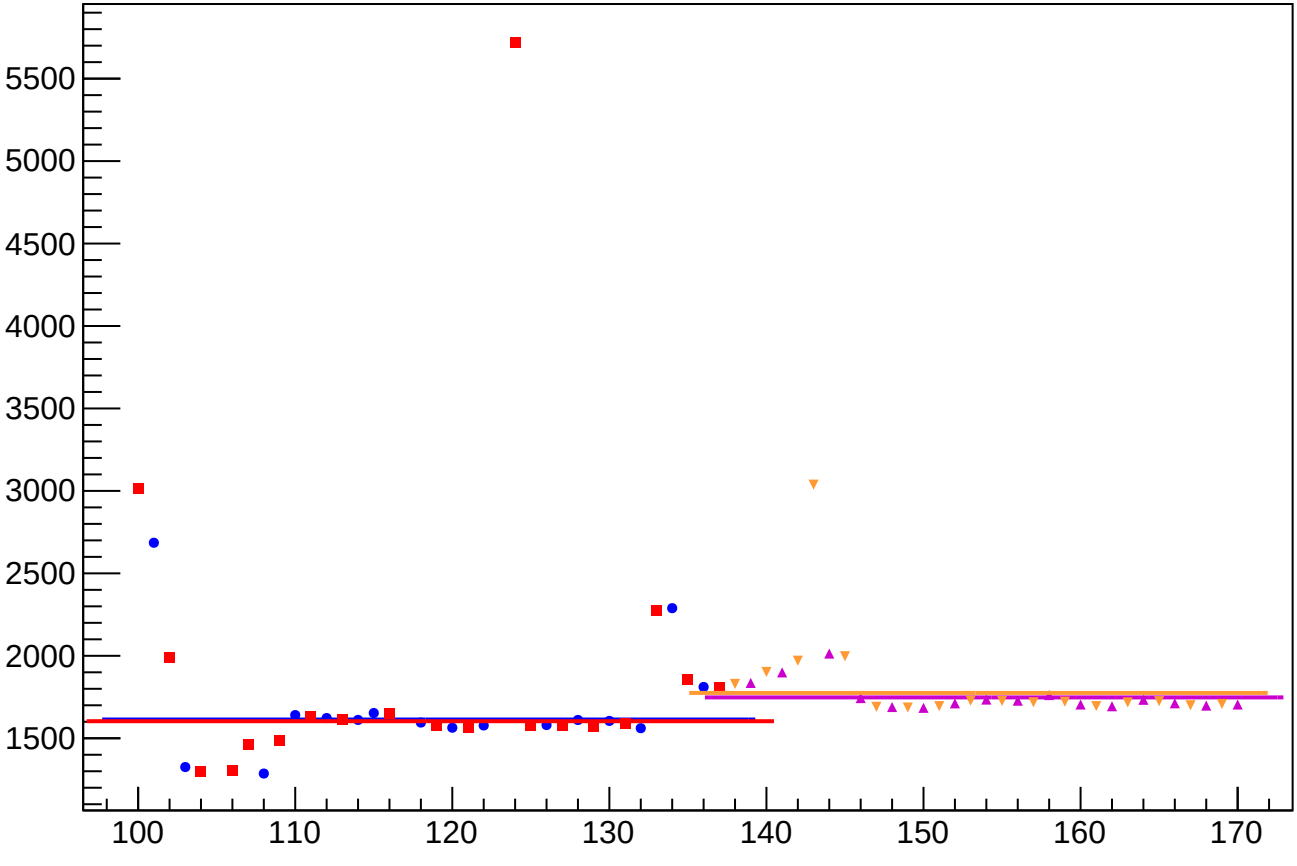
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 603.905+/-377.614 χ^2/NDF:24.2/31

Out: 9.965+/-379.084 χ^2/NDF:40.5/35

All: 308.089+/-267.532 χ^2/NDF: 65.9/67

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1775.011+/-0.345 χ^2/NDF:350518.6/16

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1747.796+/-0.340 χ^2/NDF:58055.5/15

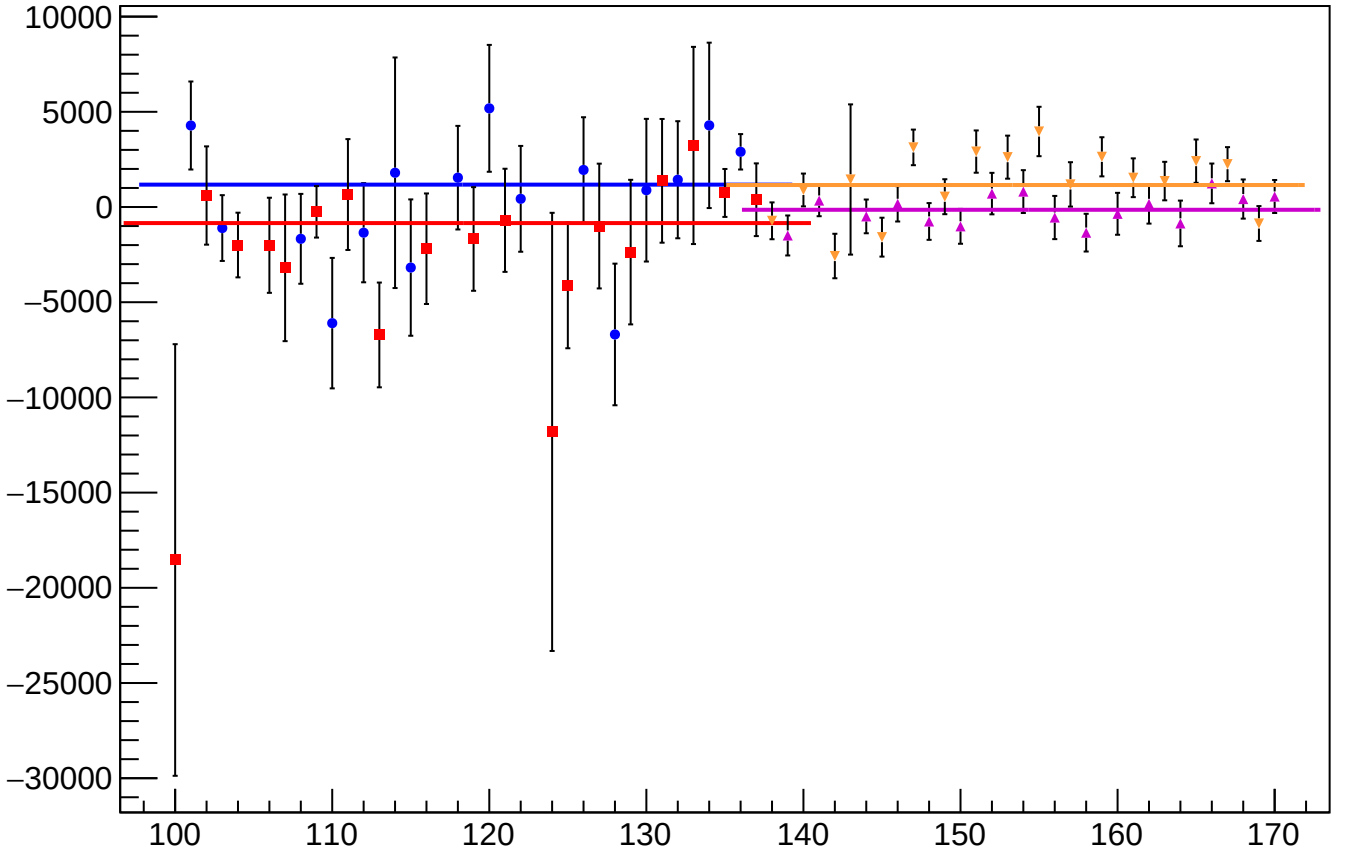
Left: 1761.234+/-0.242 χ^2/NDF: 411732.5/32

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1696.259+/-0.267 χ^2/NDF:522441.9/31

Out: 1707.294+/-0.268 χ^2/NDF:874166.7/35

All: 1701.755+/-0.189 χ^2/NDF: 1397459.2/67



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1154.982+/-253.706 χ^2/NDF:44.9/16

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -145.500+/-248.711 χ^2/NDF:9.7/15

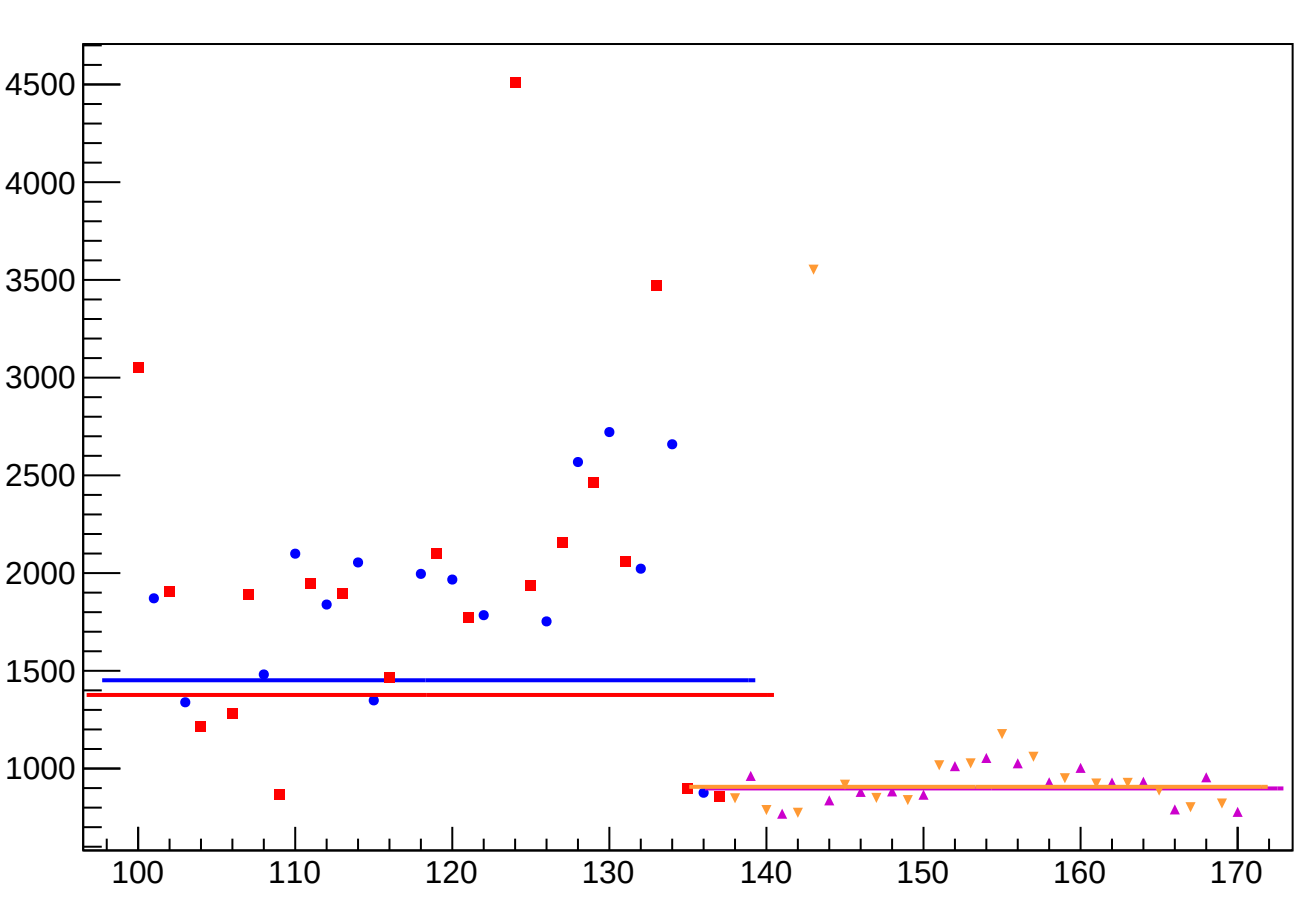
Left: 491.812+/-177.605 χ^2/NDF: 68.0/32

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

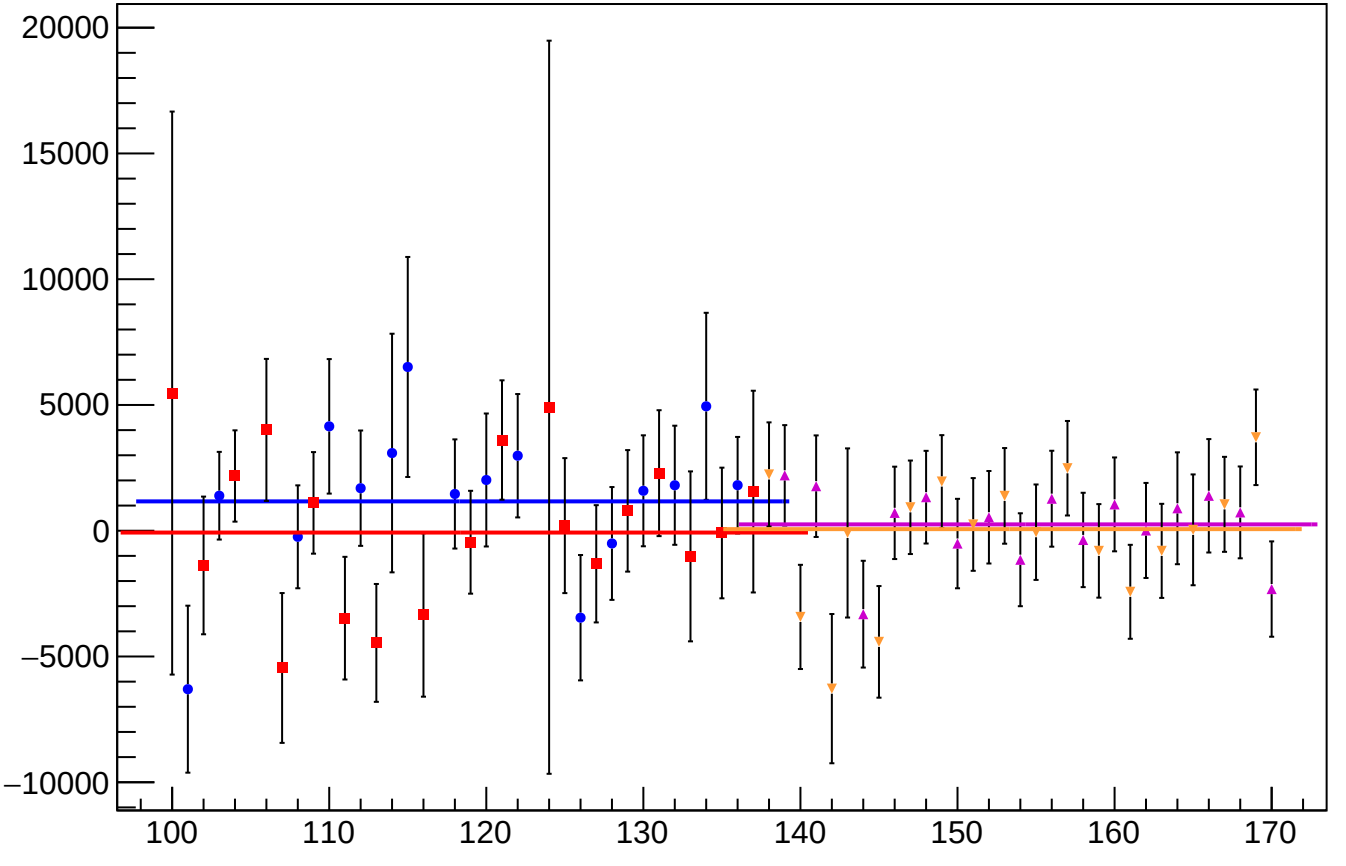
In: 60.235+/-228.524 χ^2/NDF:36.1/31

Out: 811.987+/-230.915 χ^2/NDF:69.8/35

All: 432.199+/-162.430 χ^2/NDF: 111.3/67


asym_at2_dd_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: 1451.631+/-0.409 χ²/NDF: 1790839.5/15
Left Out: 906.471+/-0.179 χ²/NDF:1203222.2/16
Right Out: 1376.470+/-0.394 χ²/NDF: 2132051.1/18
Left In: 898.181+/-0.176 χ²/NDF:245365.6/15
Left: 902.244+/-0.126 χ²/NDF: 1449676.6/32
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 984.378+/-0.162 χ²/NDF:3578651.6/31
Out: 987.121+/-0.163 χ²/NDF:4513074.5/35
All: 985.735+/-0.115 χ²/NDF: 8091868.7/67

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 63.398+/-487.265 χ^2/NDF:22.2/16

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 252.493+/-481.223 χ^2/NDF:8.4/15

Left: 159.125+/-342.392 χ^2/NDF: 30.7/32

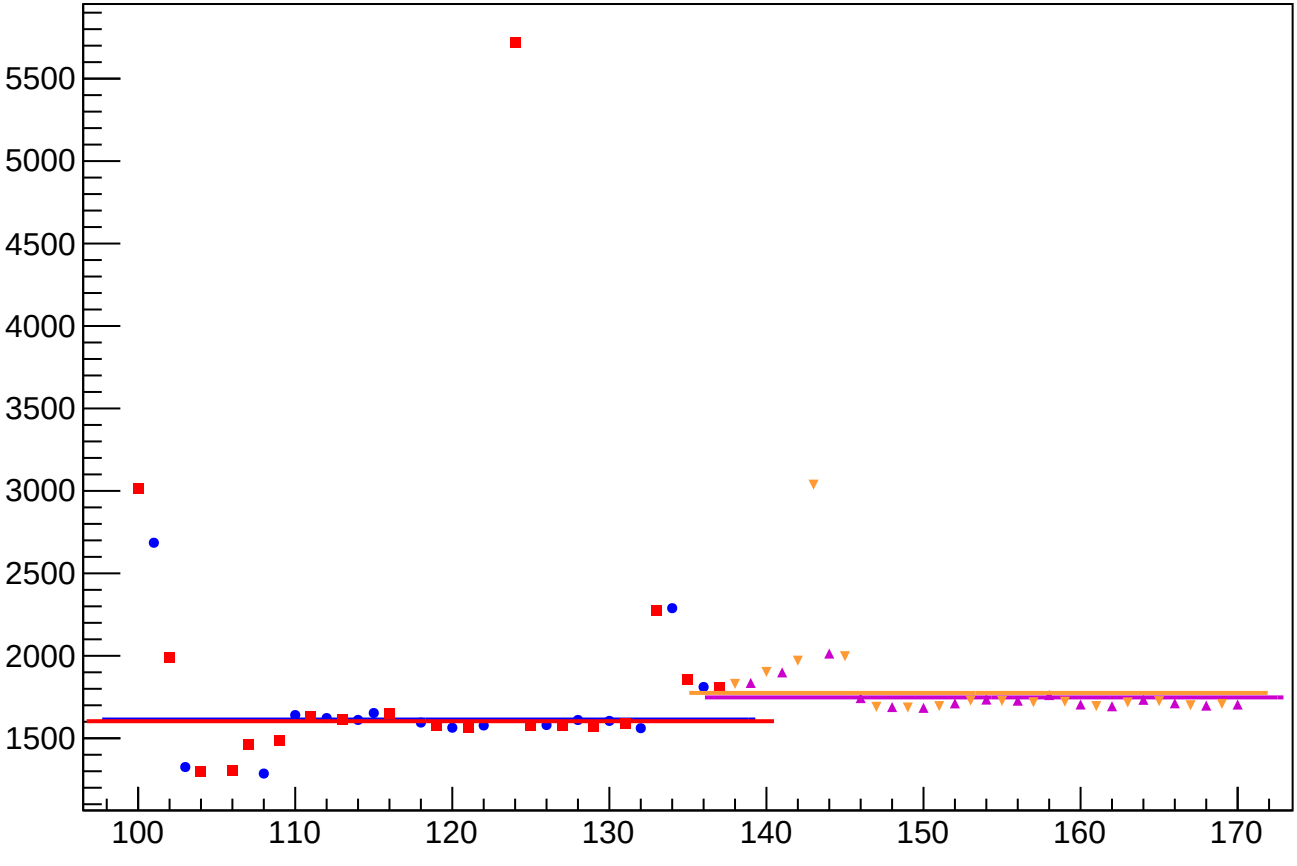
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 603.806+/-377.614 χ^2/NDF:24.2/31

Out: 9.754+/-379.084 χ^2/NDF:40.5/35

All: 307.934+/-267.532 χ^2/NDF: 65.9/67

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1775.011+/-0.345 χ^2/NDF:350518.6/16

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1747.797+/-0.340 χ^2/NDF:58055.5/15

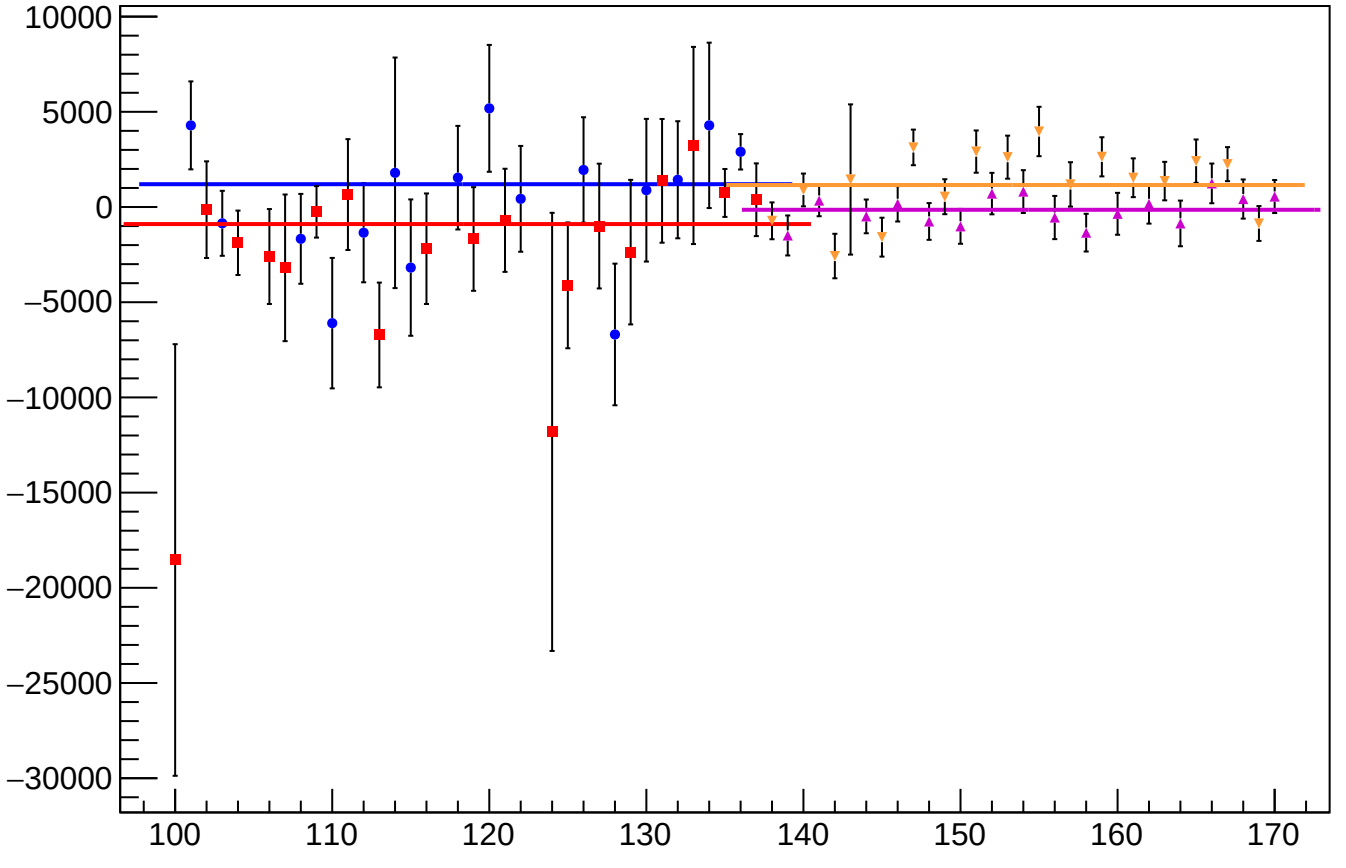
Left: 1761.234+/-0.242 χ^2/NDF: 411732.5/32

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1696.259+/-0.267 χ^2/NDF:522442.3/31

Out: 1707.294+/-0.268 χ^2/NDF:874166.9/35

All: 1701.755+/-0.189 χ^2/NDF: 1397459.8/67



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1155.021+/-253.709 χ^2/NDF:44.9/16

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -145.437+/-248.710 χ^2/NDF:9.7/15

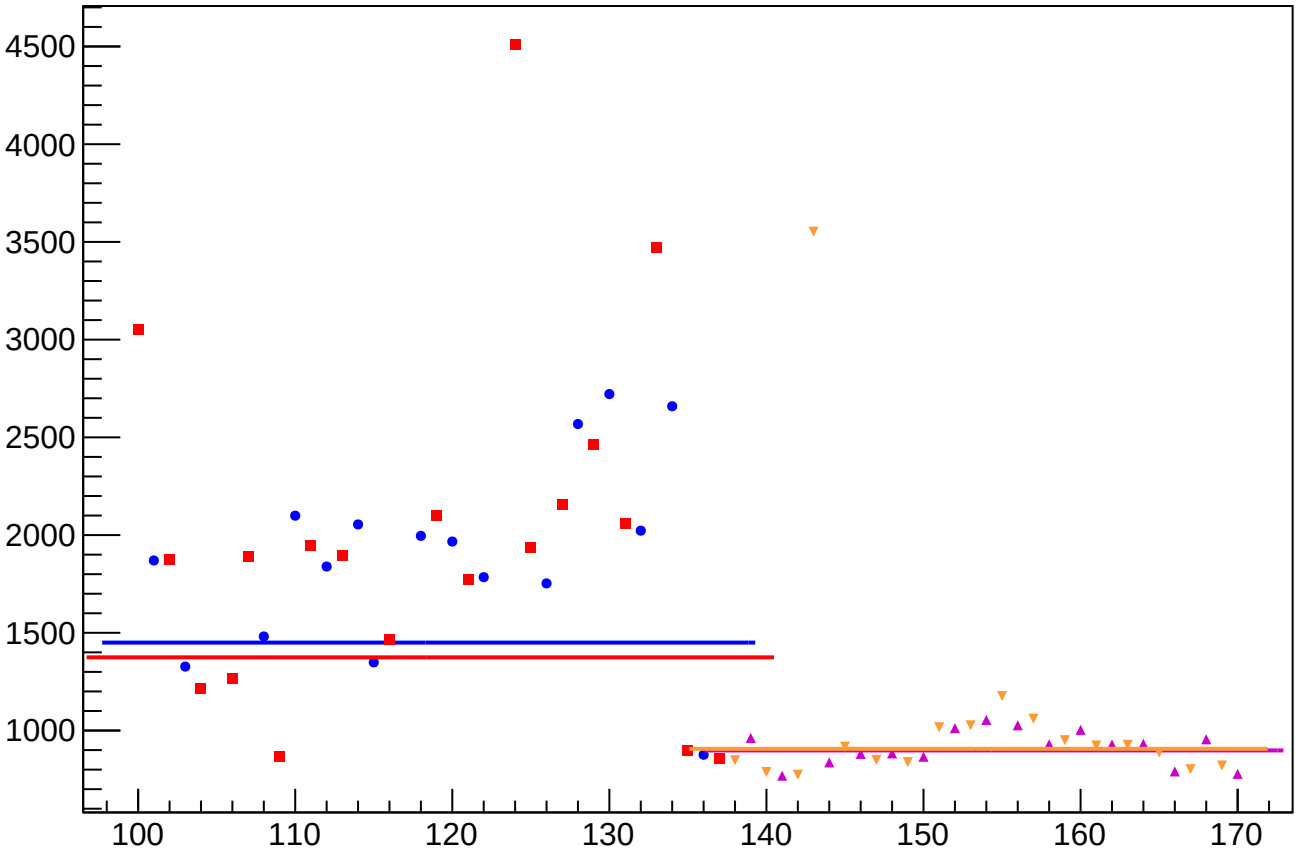
Left: 491.853+/-177.606 χ^2/NDF: 68.0/32

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 64.350+/-228.473 χ^2/NDF:35.9/31

Out: 802.348+/-230.862 χ^2/NDF:70.3/35

All: 429.509+/-162.393 χ^2/NDF: 111.4/67



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 906.484+/-0.179 χ^2/NDF:1203122.9/16

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 898.177+/-0.176 χ^2/NDF:245434.6/15

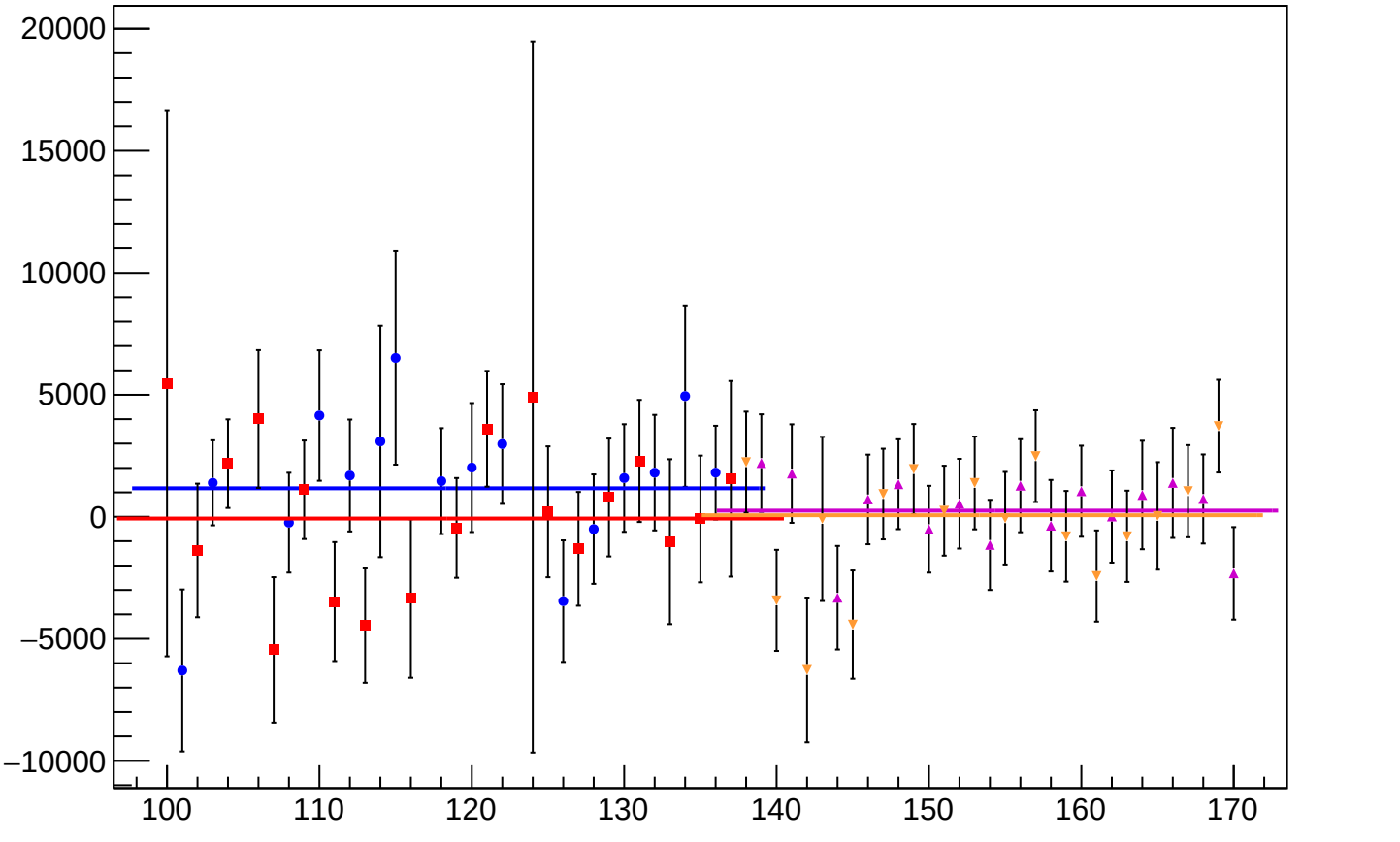
Left: 902.248+/-0.126 χ^2/NDF: 1449650.9/32

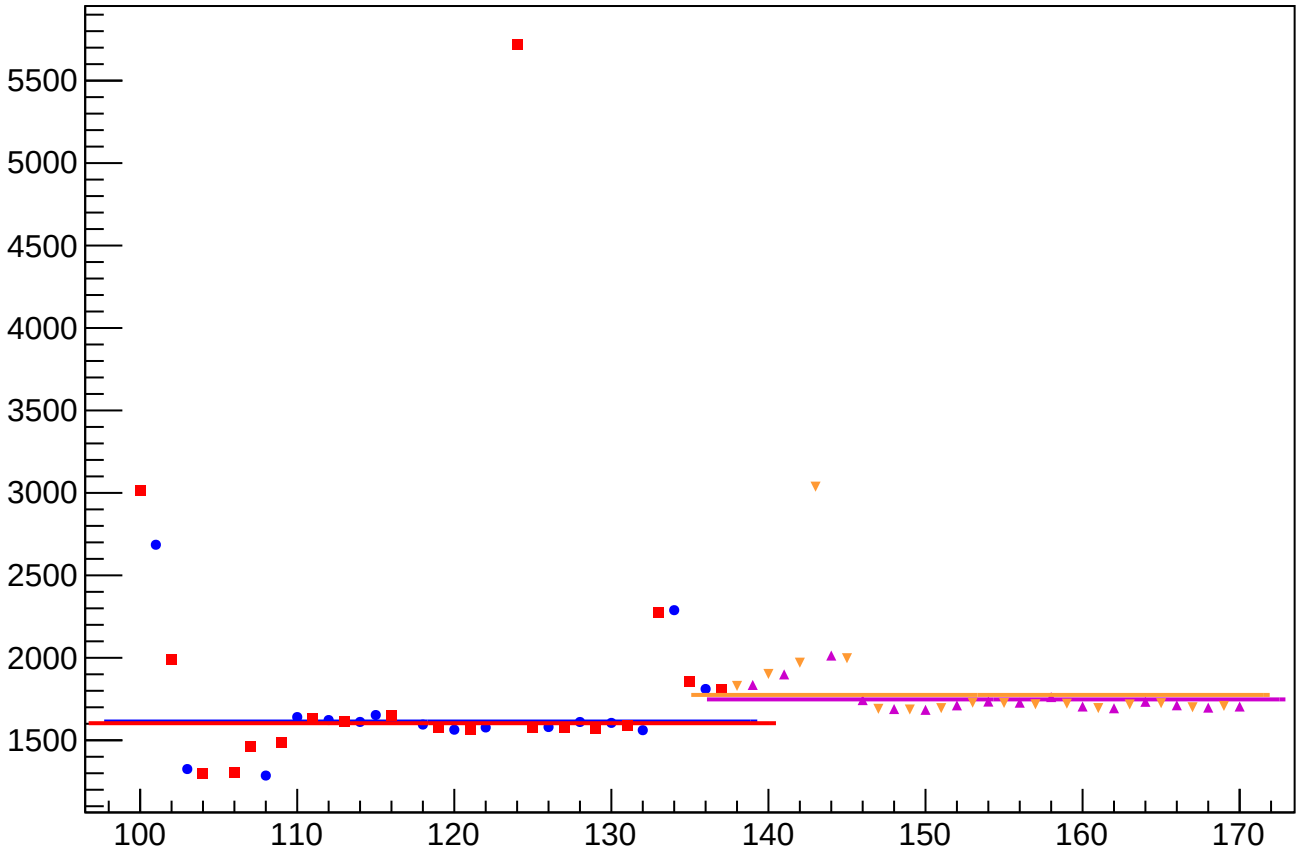
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 984.316+/-0.162 χ^2/NDF:3574841.1/31

Out: 986.970+/-0.163 χ^2/NDF:4501069.6/35

All: 985.629+/-0.115 χ^2/NDF: 8076044.2/67


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: 63.398+/-487.265 χ²/NDF:22.2/16
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 252.493+/-481.223 χ²/NDF:8.4/15
Left: 159.125+/-342.392 χ²/NDF: 30.7/32
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 603.806+/-377.614 χ²/NDF:24.2/31
Out: 9.754+/-379.084 χ²/NDF:40.5/35
All: 307.934+/-267.532 χ²/NDF: 65.9/67



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1775.011+/-0.345 χ^2/NDF:350518.6/16

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1747.797+/-0.340 χ^2/NDF:58055.5/15

Left: 1761.234+/-0.242 χ^2/NDF: 411732.5/32

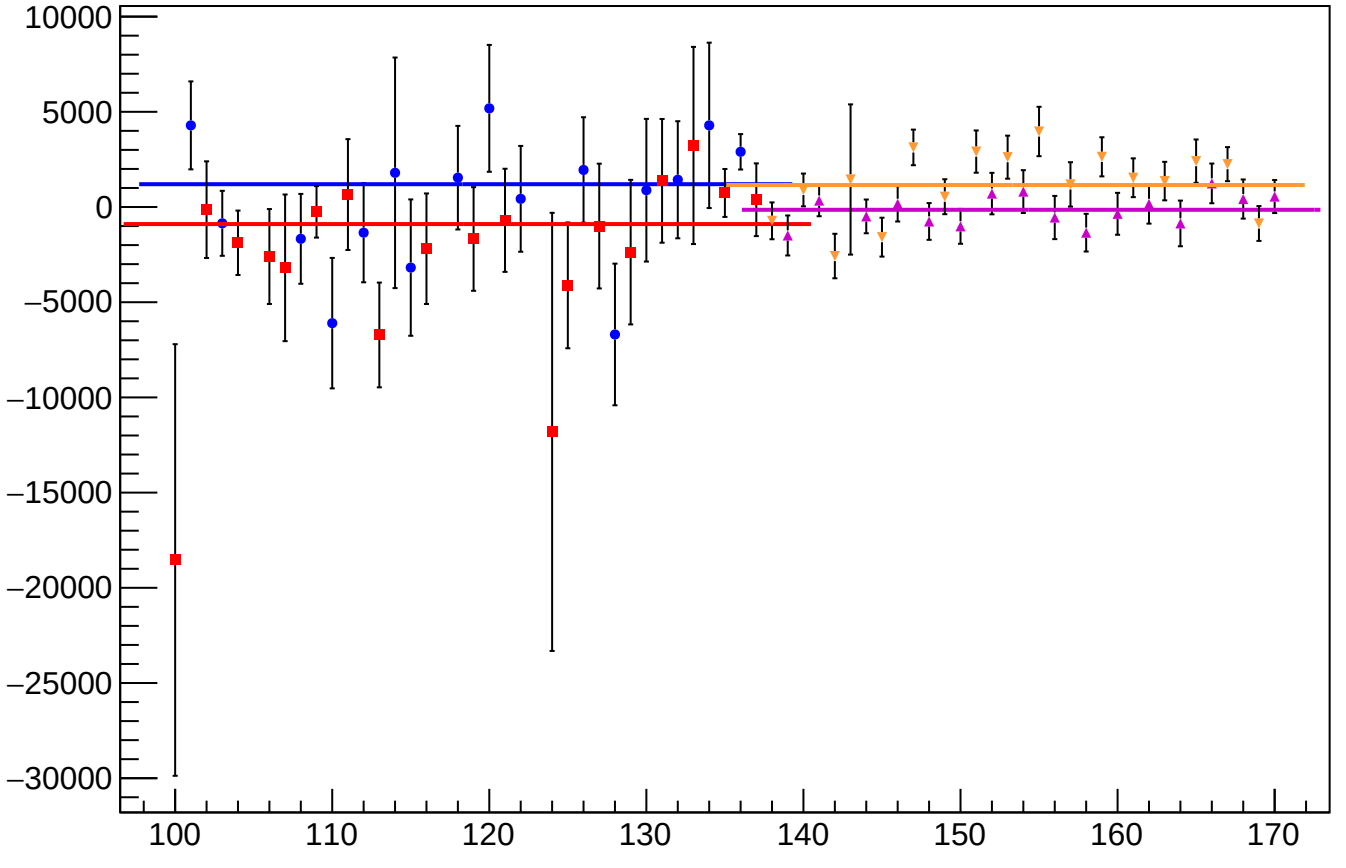
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1696.259+/-0.267 χ^2/NDF:522442.3/31

Out: 1707.294+/-0.268 χ^2/NDF:874166.9/35

All: 1701.755+/-0.189 χ^2/NDF: 1397459.8/67

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1155.021+/-253.709 χ^2/NDF:44.9/16

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -145.437+/-248.710 χ^2/NDF:9.7/15

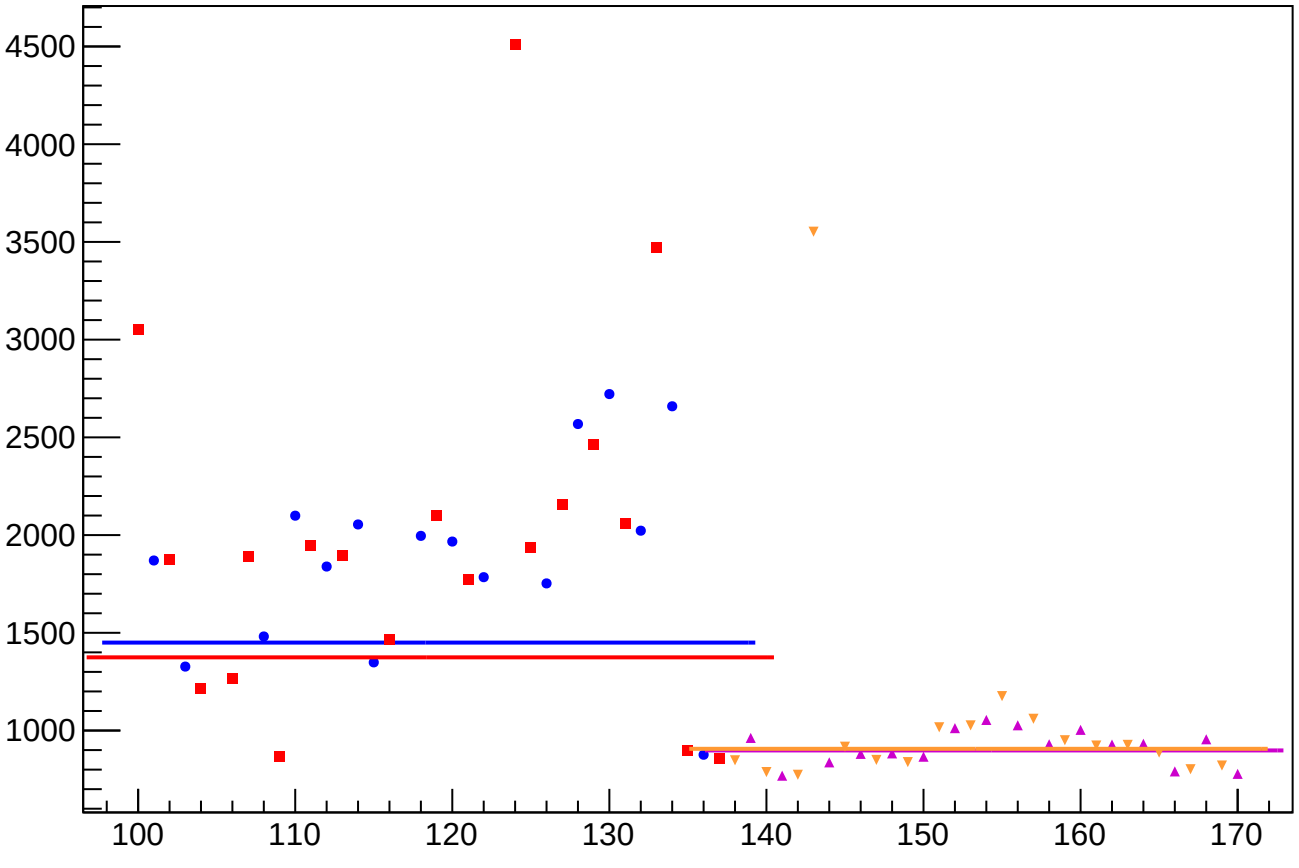
Left: 491.853+/-177.606 χ^2/NDF: 68.0/32

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 64.350+/-228.473 χ^2/NDF:35.9/31

Out: 802.348+/-230.862 χ^2/NDF:70.3/35

All: 429.509+/-162.393 χ^2/NDF: 111.4/67



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 906.484+/-0.179 χ^2/NDF:1203122.9/16

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 898.177+/-0.176 χ^2/NDF:245434.6/15

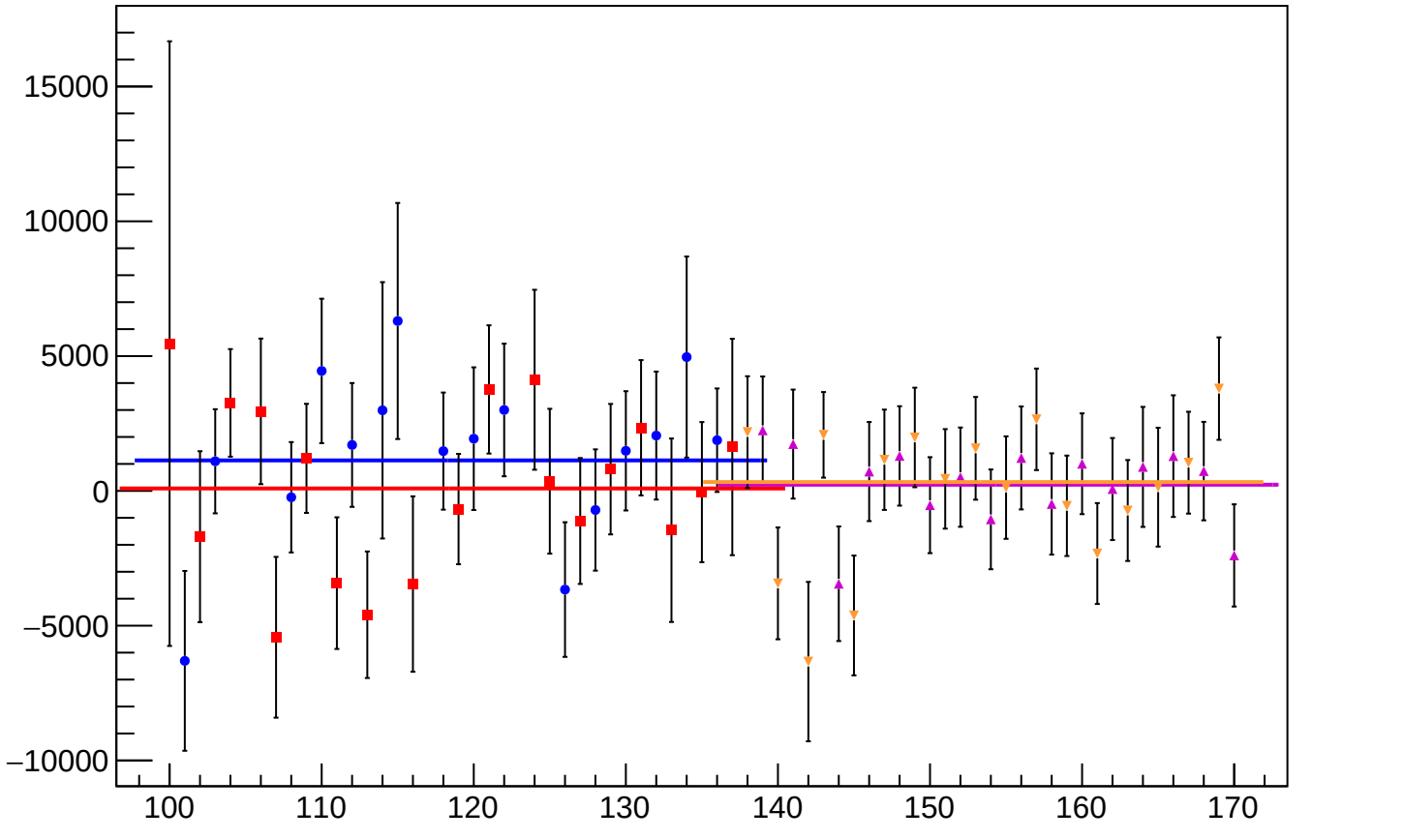
Left: 902.248+/-0.126 χ^2/NDF: 1449650.9/32

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

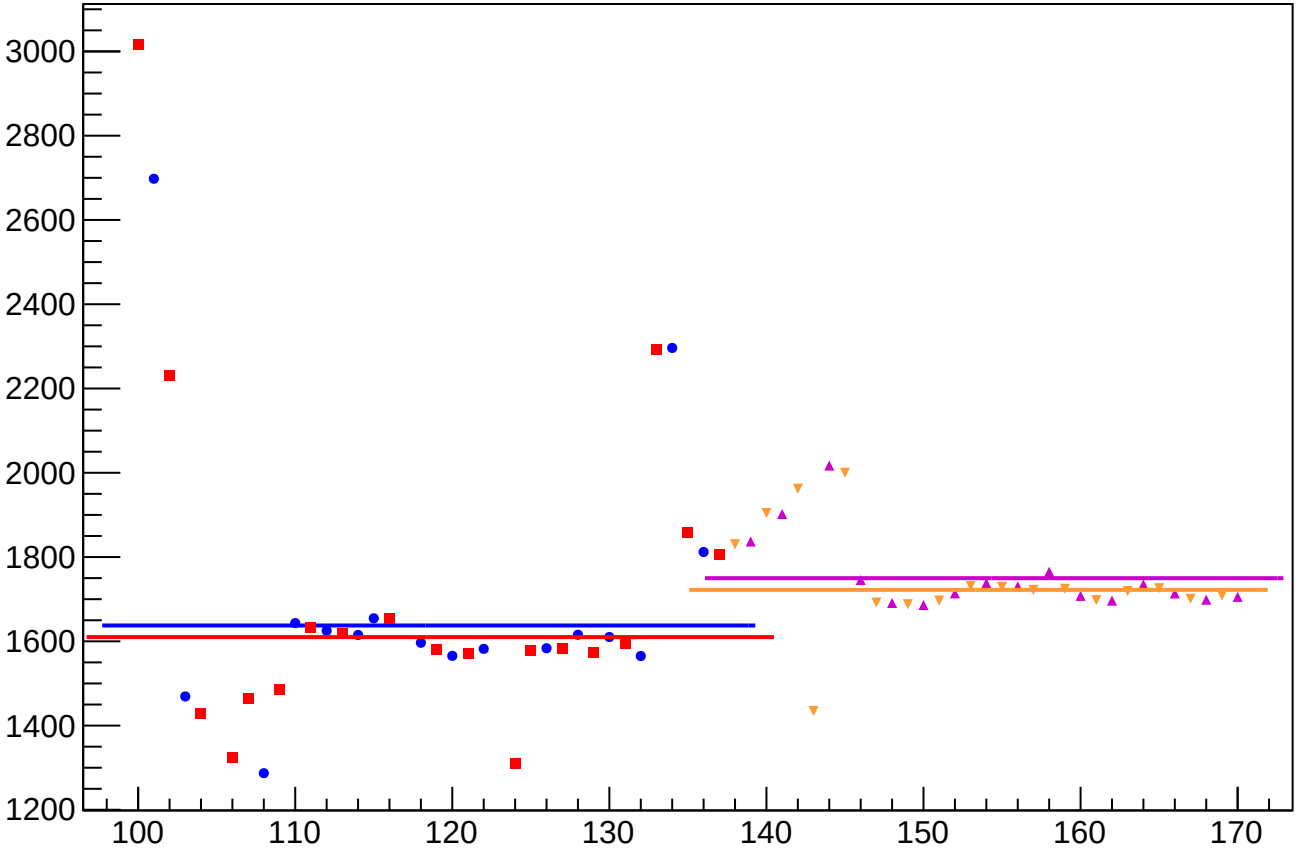
In: 984.316+/-0.162 χ^2/NDF:3574841.1/31

Out: 986.970+/-0.163 χ^2/NDF:4501069.6/35

All: 985.629+/-0.115 χ^2/NDF: 8076044.2/67


dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1130.726+/-617.236 χ²/NDF: 15.0/15
Left Out: 327.445+/-470.824 χ²/NDF:24.3/16
Right Out: 89.220+/-603.072 χ²/NDF: 20.7/18
Left In: 228.459+/-481.799 χ²/NDF:8.5/15
Left: 279.092+/-336.736 χ²/NDF: 32.9/32
Right: 597.886+/-431.357 χ²/NDF: 37.1/34
In: 570.067+/-379.794 χ²/NDF:24.9/31
Out: 237.231+/-371.118 χ²/NDF:45.1/35
All: 399.804+/-265.434 χ²/NDF: 70.4/67

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1722.070+/-0.333 χ^2/NDF:133336.8/16

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1749.868+/-0.341 χ^2/NDF:58415.5/15

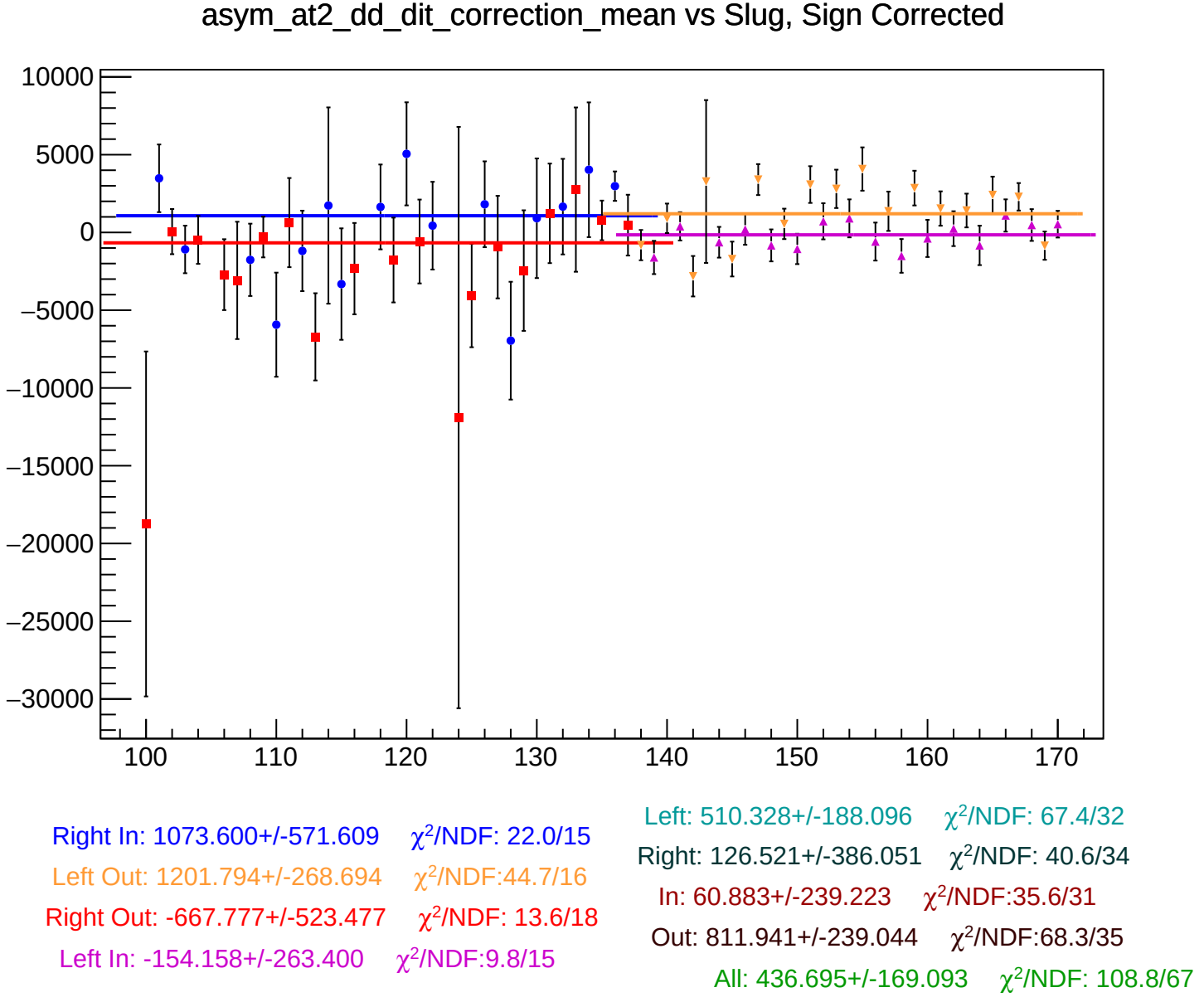
Left: 1735.649+/-0.238 χ^2/NDF: 195157.8/32

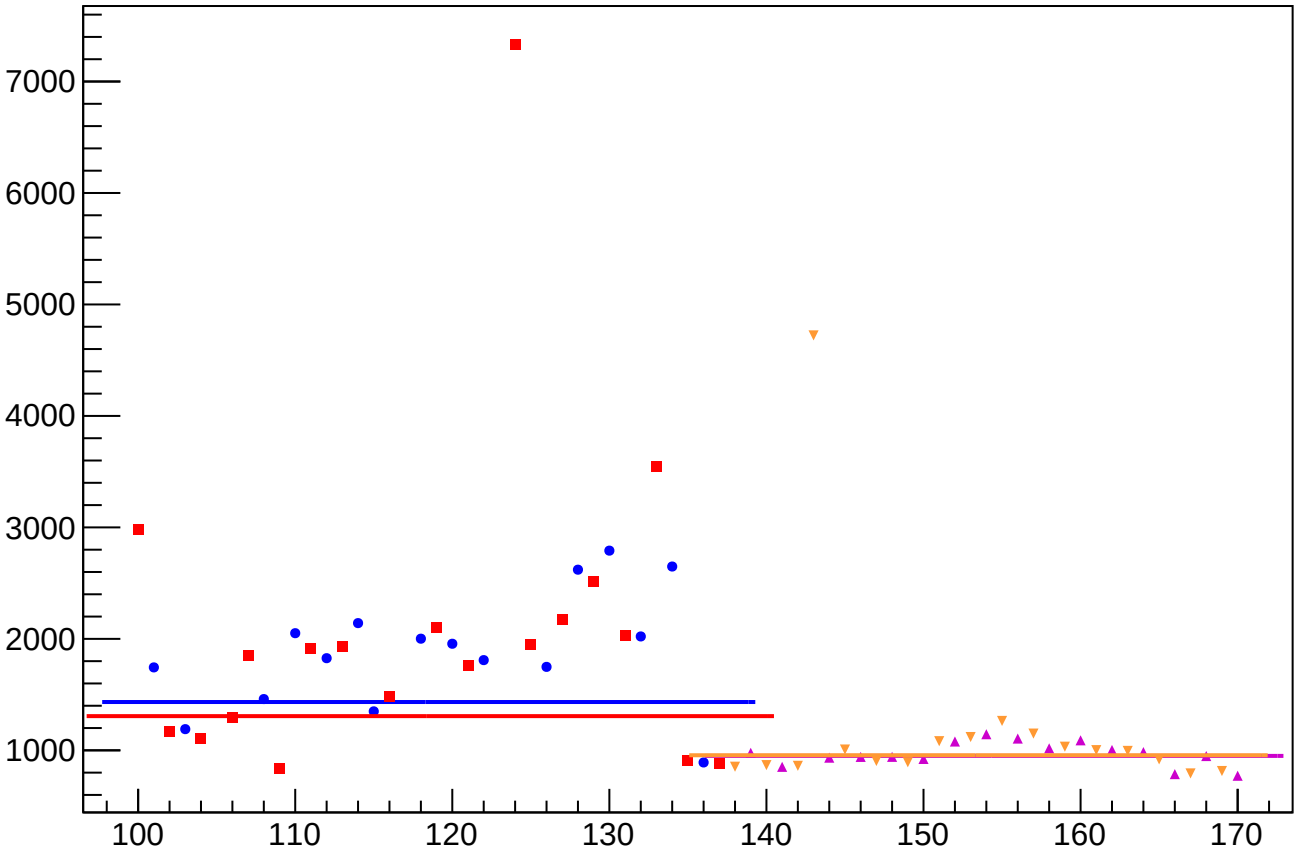
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

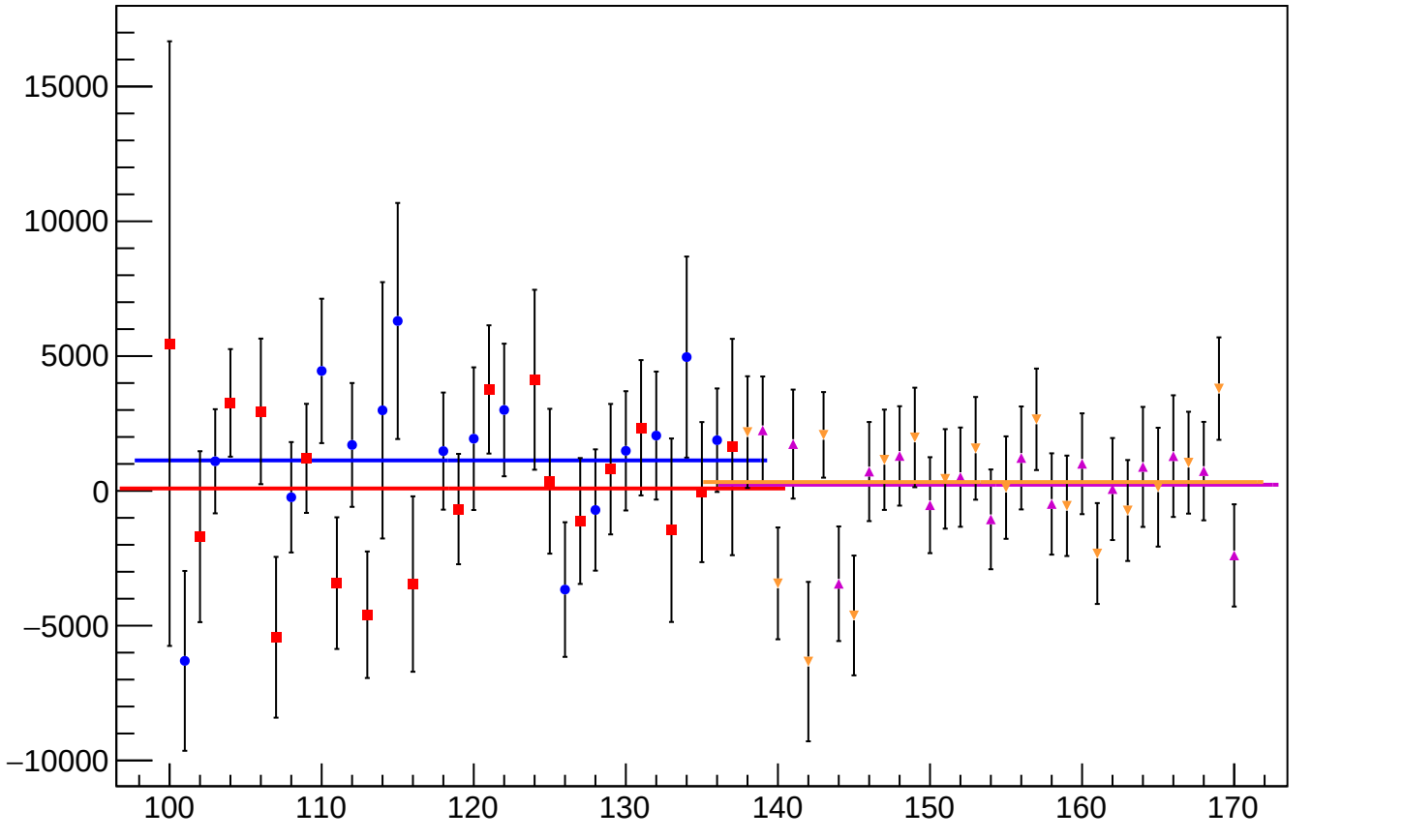
In: 1707.352+/-0.269 χ^2/NDF:460966.6/31

Out: 1679.646+/-0.262 χ^2/NDF:457028.3/35

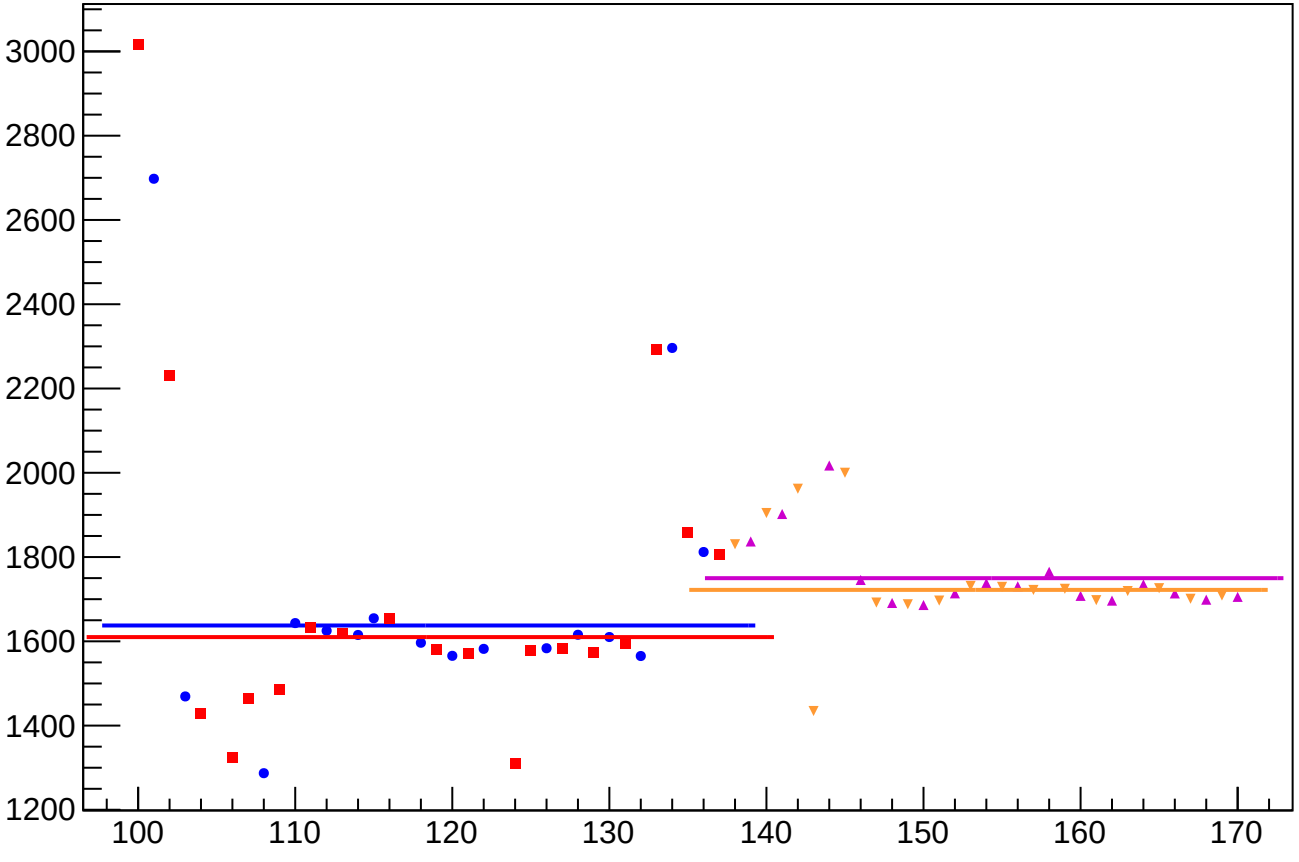
All: 1693.179+/-0.188 χ^2/NDF: 923439.5/67


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: 1201.794+/-268.694 χ²/NDF:44.7/16
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -154.158+/-263.400 χ²/NDF:9.8/15
Left: 510.328+/-188.096 χ²/NDF: 67.4/32
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: 60.883+/-239.223 χ²/NDF:35.6/31
Out: 811.941+/-239.044 χ²/NDF:68.3/35
All: 436.695+/-169.093 χ²/NDF: 108.8/67


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: 955.952+/-0.190 χ²/NDF:1440376.2/16
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 950.086+/-0.186 χ²/NDF:311373.1/15
Left: 952.960+/-0.133 χ²/NDF: 1752235.3/32
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1034.752+/-0.169 χ²/NDF:3254653.7/31
Out: 1029.126+/-0.169 χ²/NDF:4335619.2/35
All: 1031.937+/-0.120 χ²/NDF: 7590826.2/67


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 327.438+/-470.824 χ²/NDF:24.3/16
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 228.461+/-481.799 χ²/NDF:8.5/15
Left: 279.090+/-336.736 χ²/NDF: 32.9/32
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 570.069+/-379.794 χ²/NDF:24.9/31
Out: 237.229+/-371.118 χ²/NDF:45.1/35
All: 399.804+/-265.434 χ²/NDF: 70.4/67

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1722.070+/-0.333 χ^2/NDF:133335.8/16

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1749.868+/-0.341 χ^2/NDF:58415.6/15

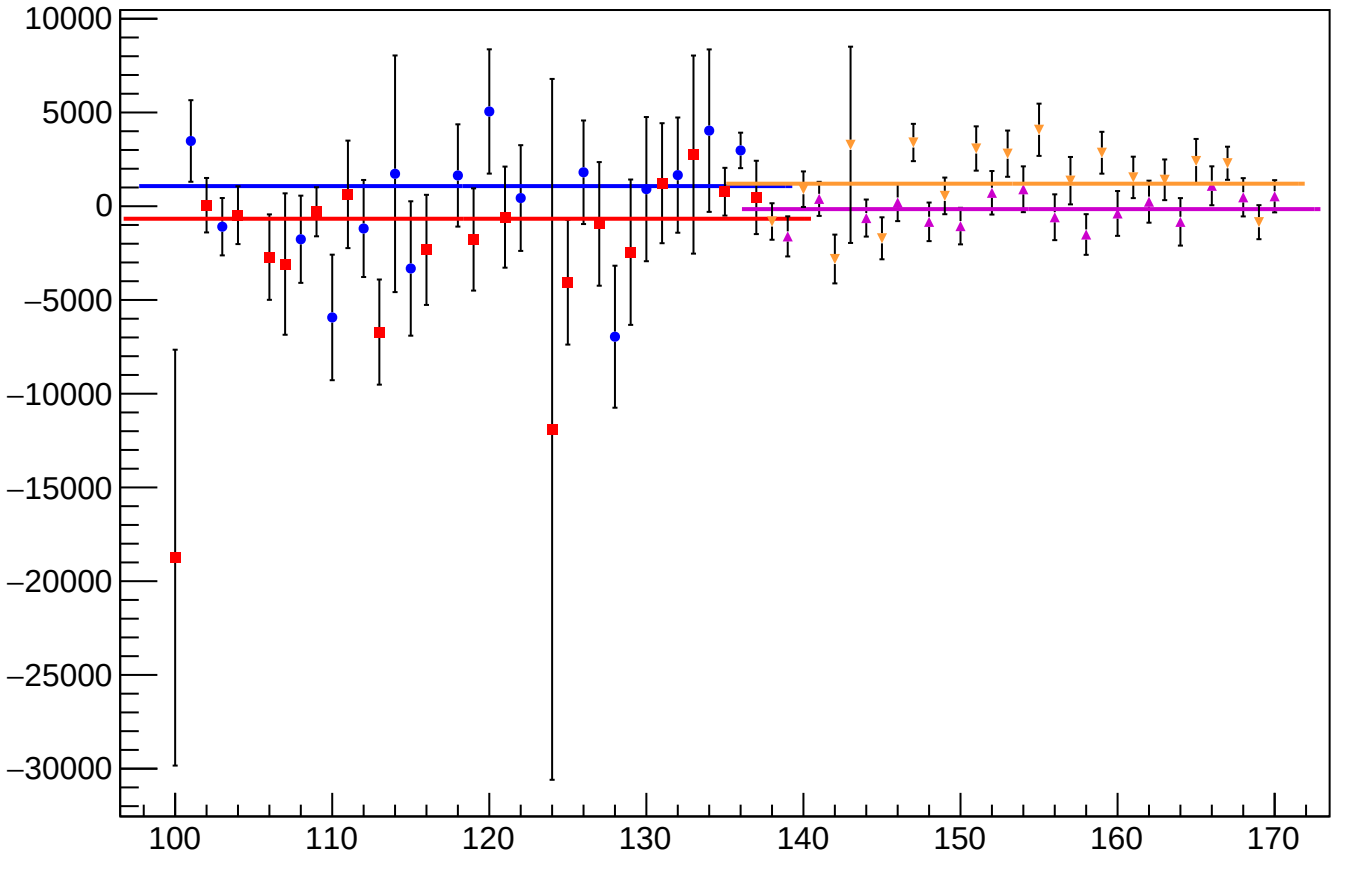
Left: 1735.649+/-0.238 χ^2/NDF: 195156.8/32

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.352+/-0.269 χ^2/NDF:460966.6/31

Out: 1679.646+/-0.262 χ^2/NDF:457027.7/35

All: 1693.179+/-0.188 χ^2/NDF: 923438.9/67



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1201.804+/-268.695 χ^2/NDF:44.7/16

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -154.154+/-263.400 χ^2/NDF:9.8/15

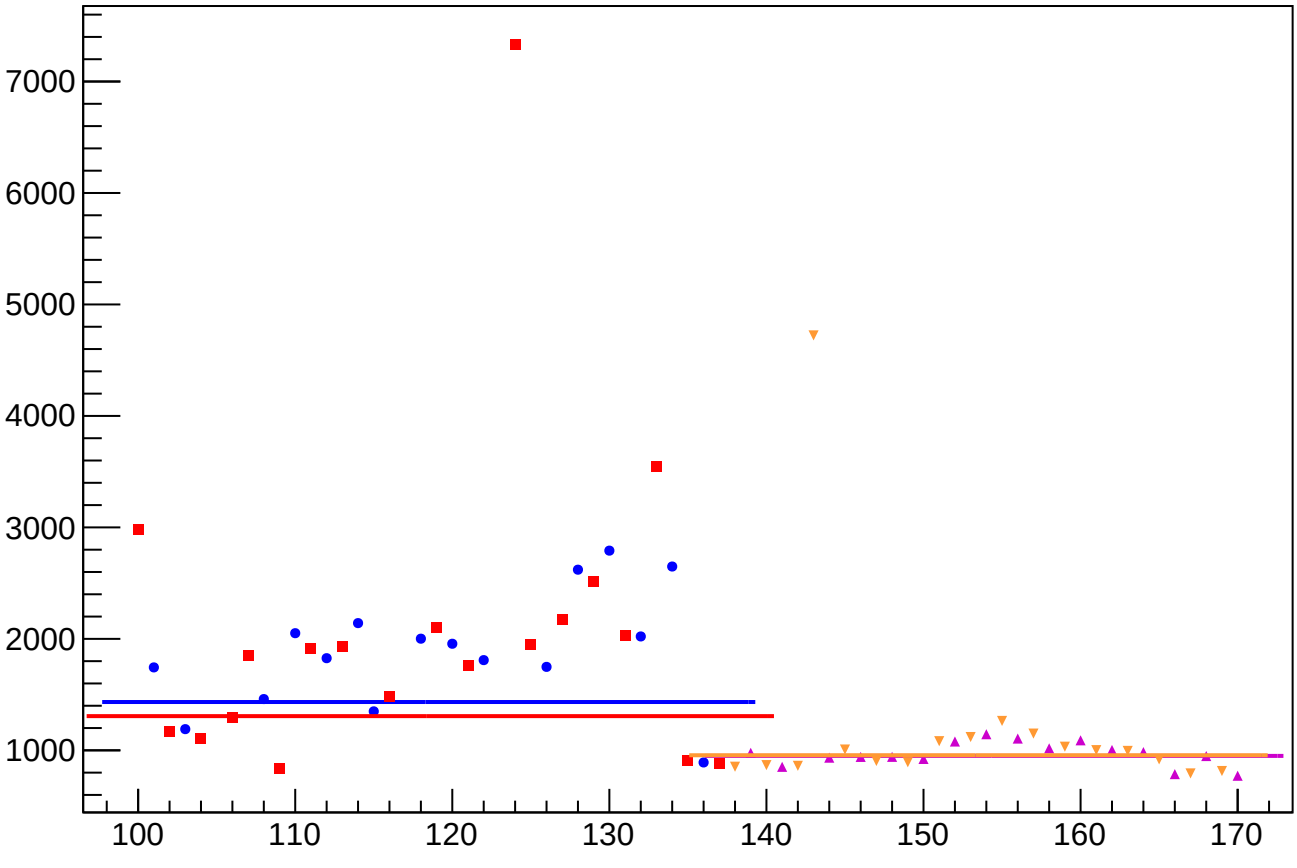
Left: 510.334+/-188.096 χ^2/NDF: 67.4/32

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

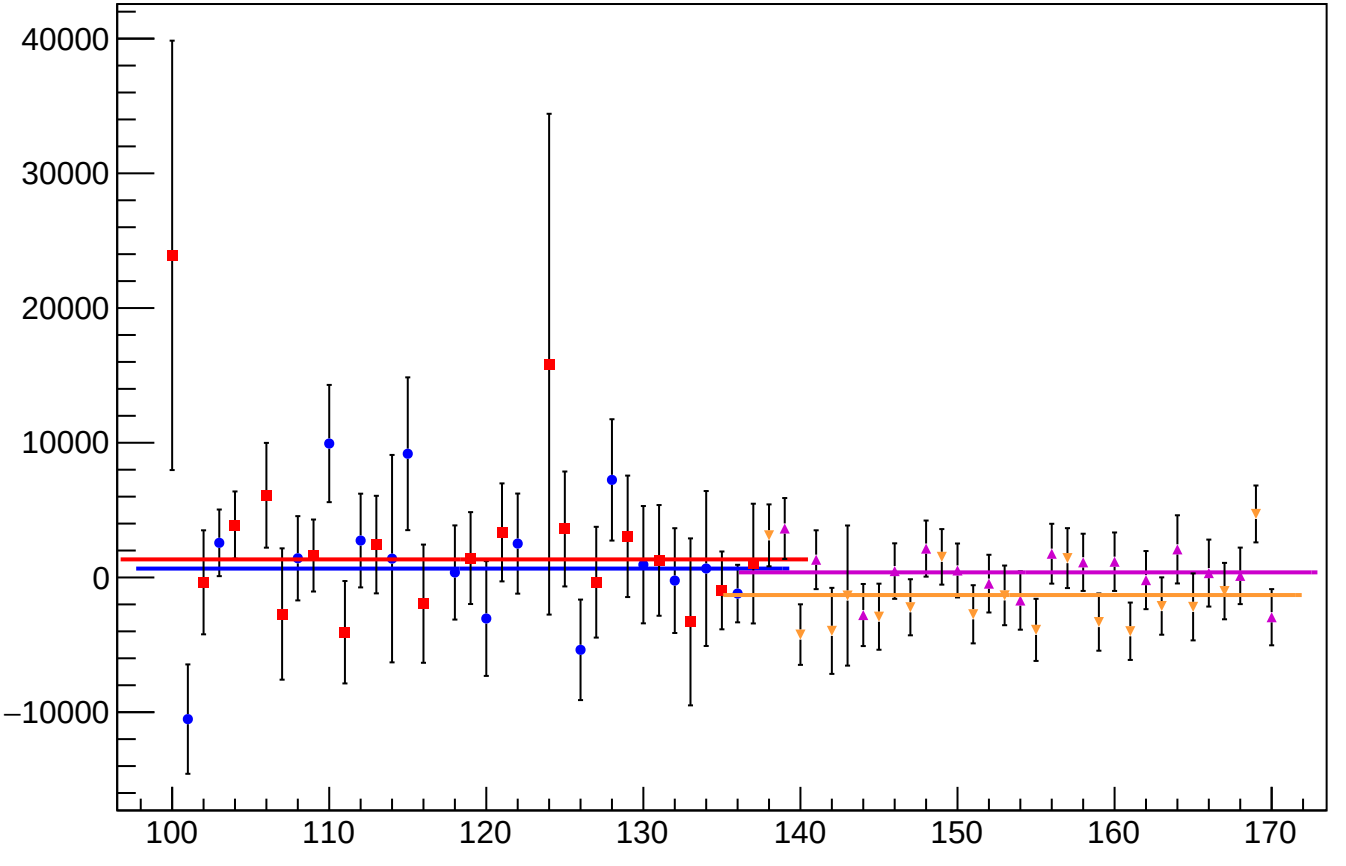
In: 60.883+/-239.224 χ^2/NDF:35.6/31

Out: 811.949+/-239.044 χ^2/NDF:68.3/35

All: 436.698+/-169.093 χ^2/NDF: 108.8/67


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 955.953+/-0.190 χ²/NDF:1440360.8/16
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 950.086+/-0.186 χ²/NDF:311376.1/15
Left: 952.961+/-0.133 χ²/NDF: 1752223.3/32
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1034.753+/-0.169 χ²/NDF:3254625.0/31
Out: 1029.130+/-0.169 χ²/NDF:4335569.8/35
All: 1031.939+/-0.120 χ²/NDF: 7590747.7/67

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1304.517+/-555.567 χ^2/NDF:22.7/16

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 378.439+/-545.001 χ^2/NDF:9.7/15

Left: -446.883+/-389.056 χ^2/NDF: 37.1/32

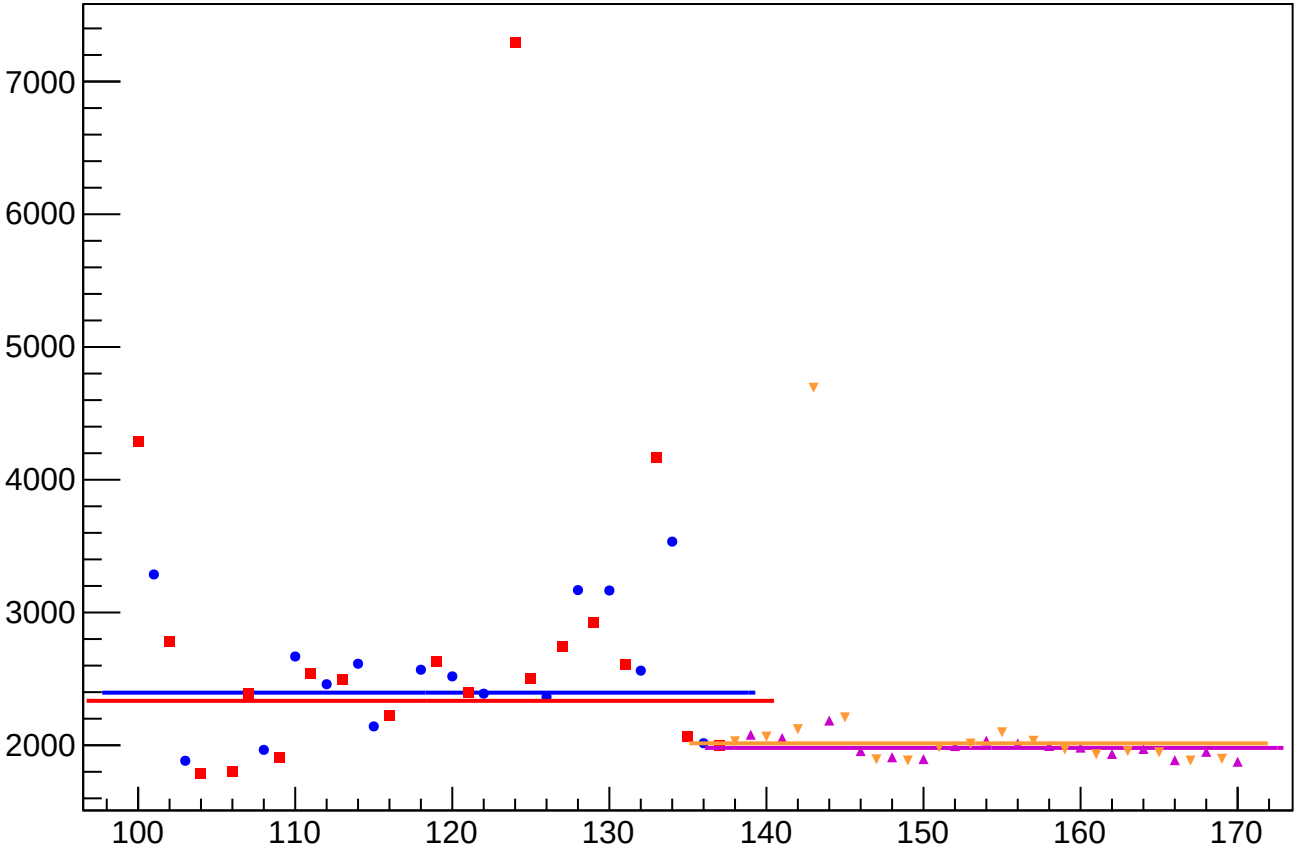
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 452.678+/-467.503 χ^2/NDF:31.7/31

Out: -563.117+/-471.368 χ^2/NDF:39.9/35

All: -51.037+/-331.932 χ^2/NDF: 74.0/67

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2014.587+/-0.393 χ^2/NDF:585013.2/16

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1979.973+/-0.385 χ^2/NDF:39219.7/15

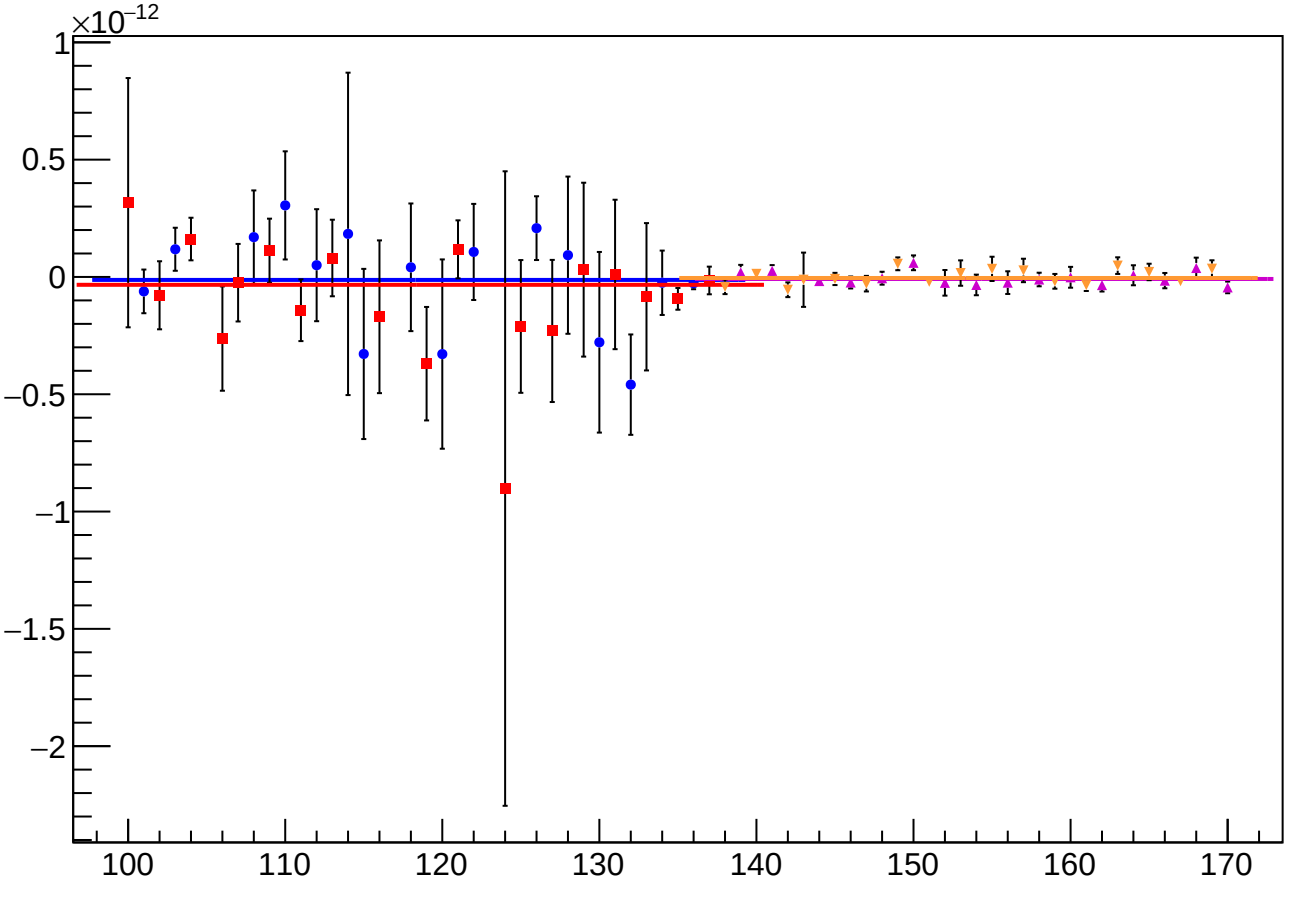
Left: 1996.948+/-0.275 χ^2/NDF: 628189.2/32

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2089.951+/-0.331 χ^2/NDF:855400.3/31

Out: 2104.235+/-0.333 χ^2/NDF:1452471.4/35

All: 2097.034+/-0.235 χ^2/NDF: 2308797.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/15

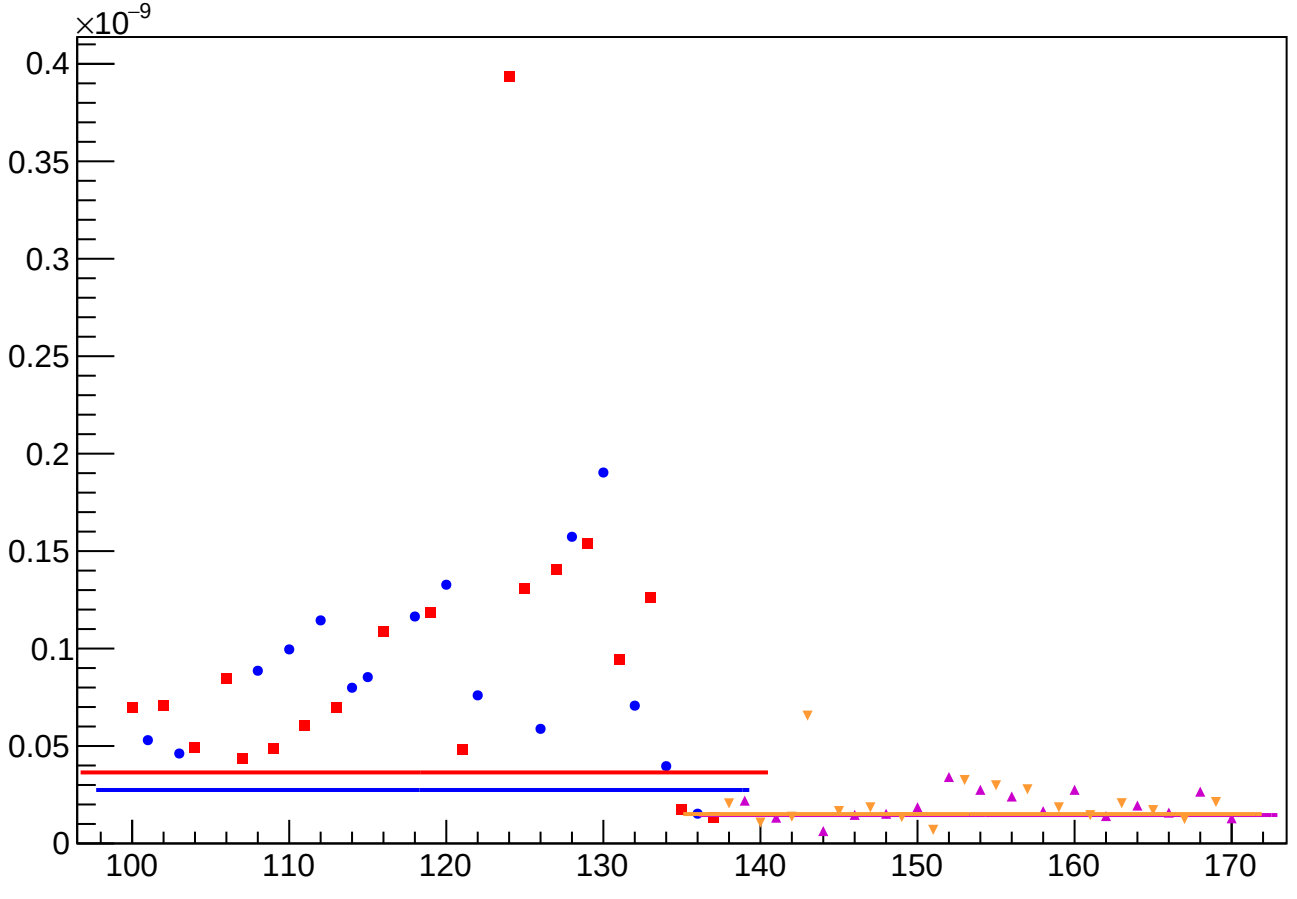
Left: -0.000+/-0.000 χ^2/NDF: 31.6/32

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:28.1/31

Out: -0.000+/-0.000 χ^2/NDF:34.5/35

All: -0.000+/-0.000 χ^2/NDF: 62.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1638482.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1729553.5/15

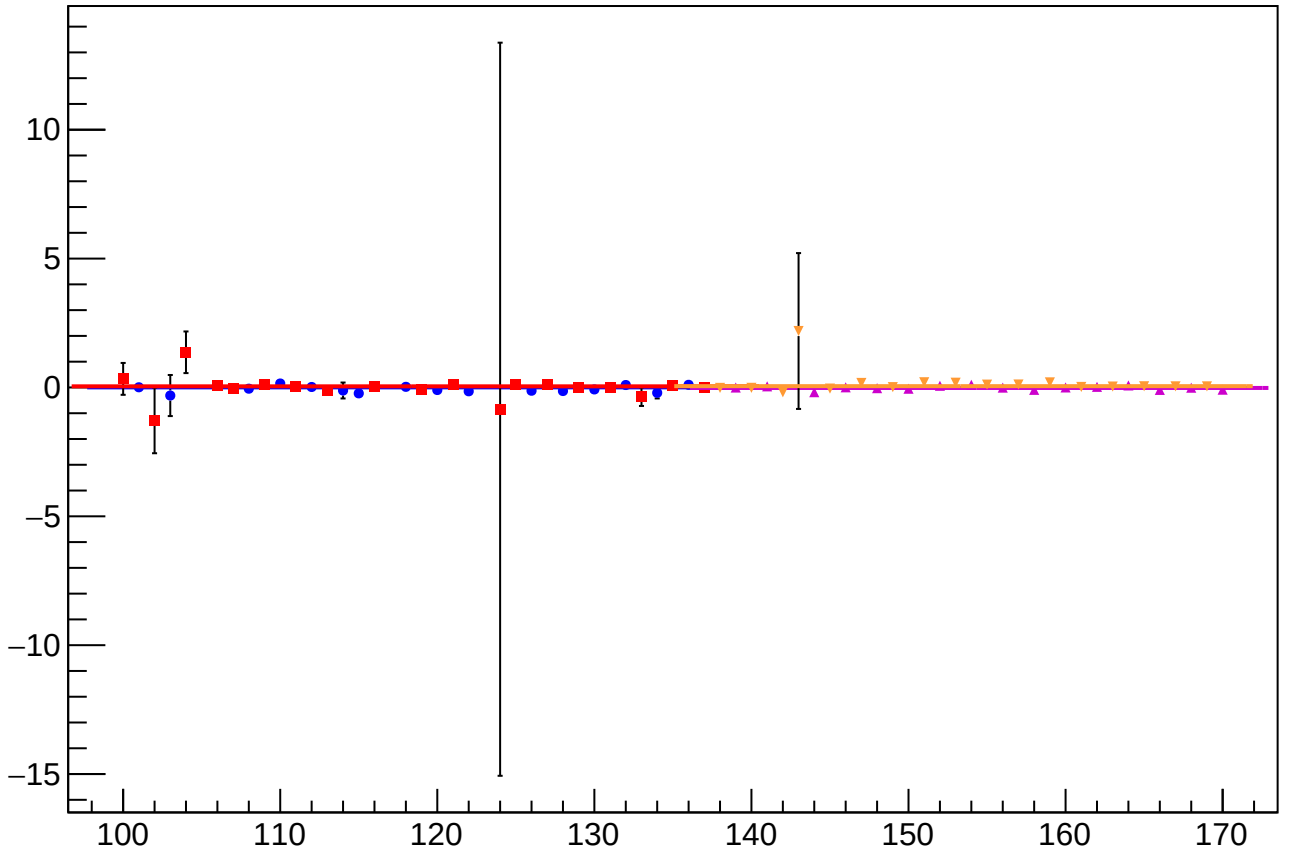
Left: 0.000+/-0.000 χ^2/NDF: 3373027.8/32

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5066443.0/31

Out: 0.000+/-0.000 χ^2/NDF:5175049.9/35

All: 0.000+/-0.000 χ^2/NDF: 10248953.2/67



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:19.4/16

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:11.8/15

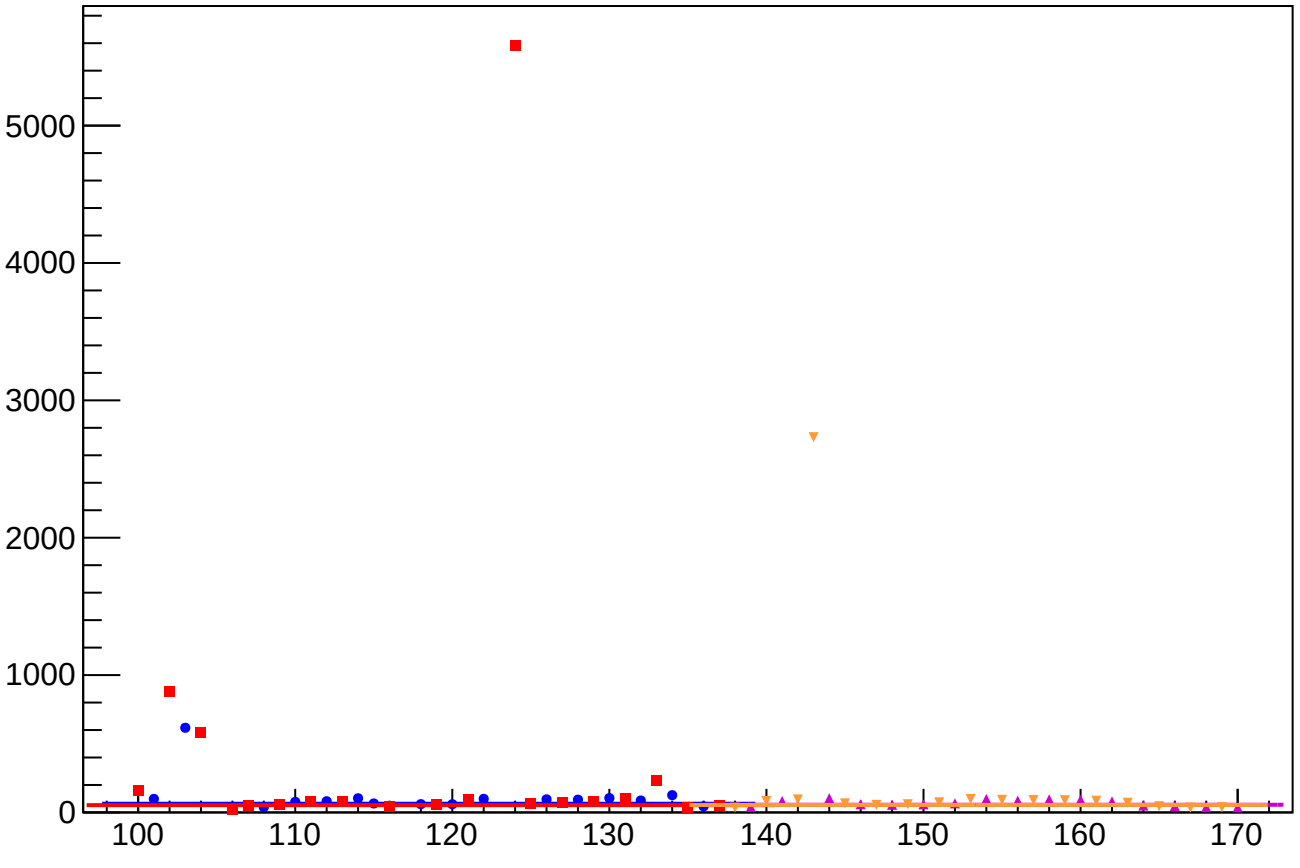
Left: 0.015+/-0.012 χ^2/NDF: 39.4/32

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.048+/-0.014 χ^2/NDF:32.1/35

All: 0.018+/-0.010 χ^2/NDF: 66.7/67



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.526+/-0.012 χ^2/NDF:4501120.5/16

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 55.974+/-0.012 χ^2/NDF:2652111.3/15

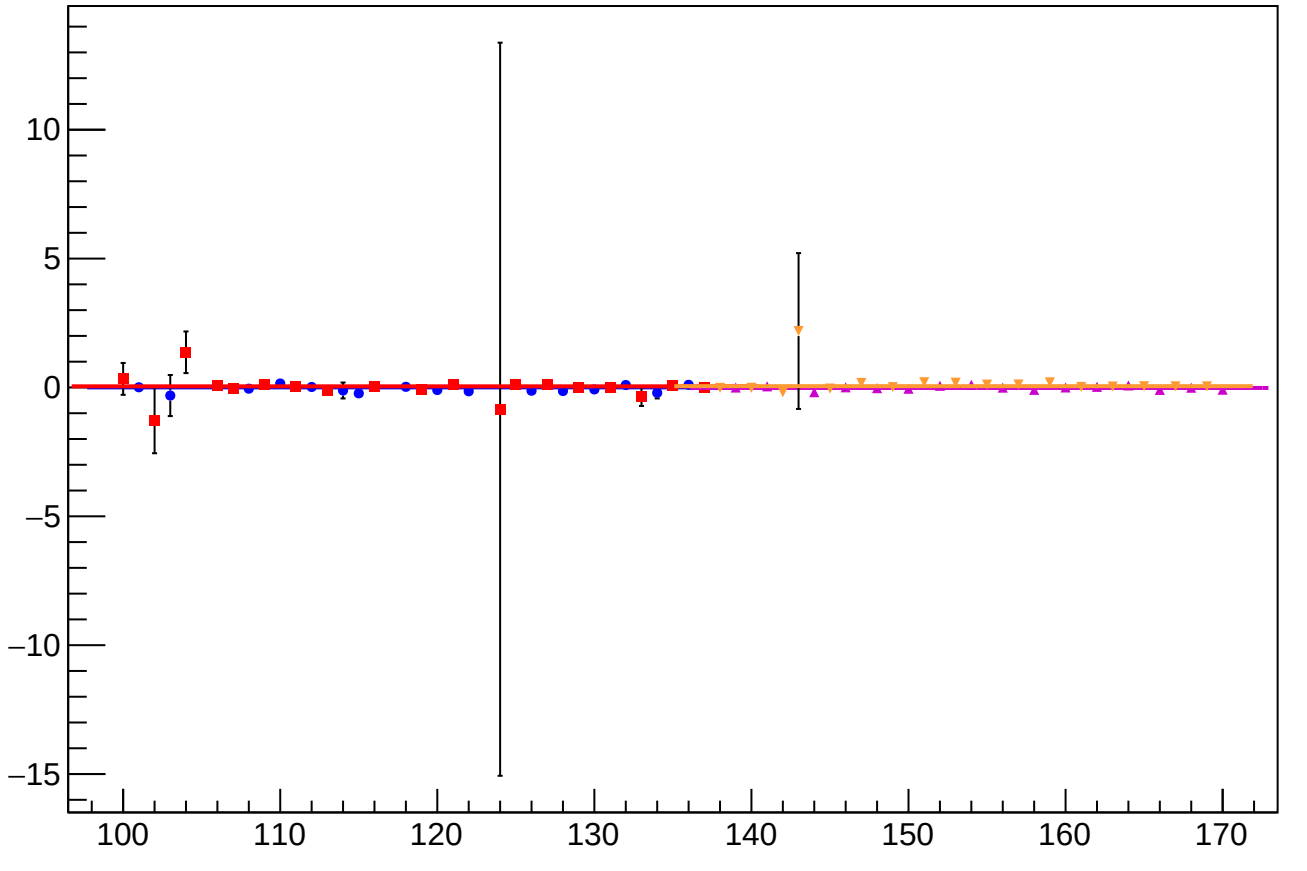
Left: 55.251+/-0.009 χ^2/NDF: 7160327.1/32

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.107+/-0.010 χ^2/NDF:5205370.2/31

Out: 54.098+/-0.010 χ^2/NDF:8450711.3/35

All: 56.048+/-0.007 χ^2/NDF: 13734265.1/67



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 χ^2/NDF:19.4/16

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:11.8/15

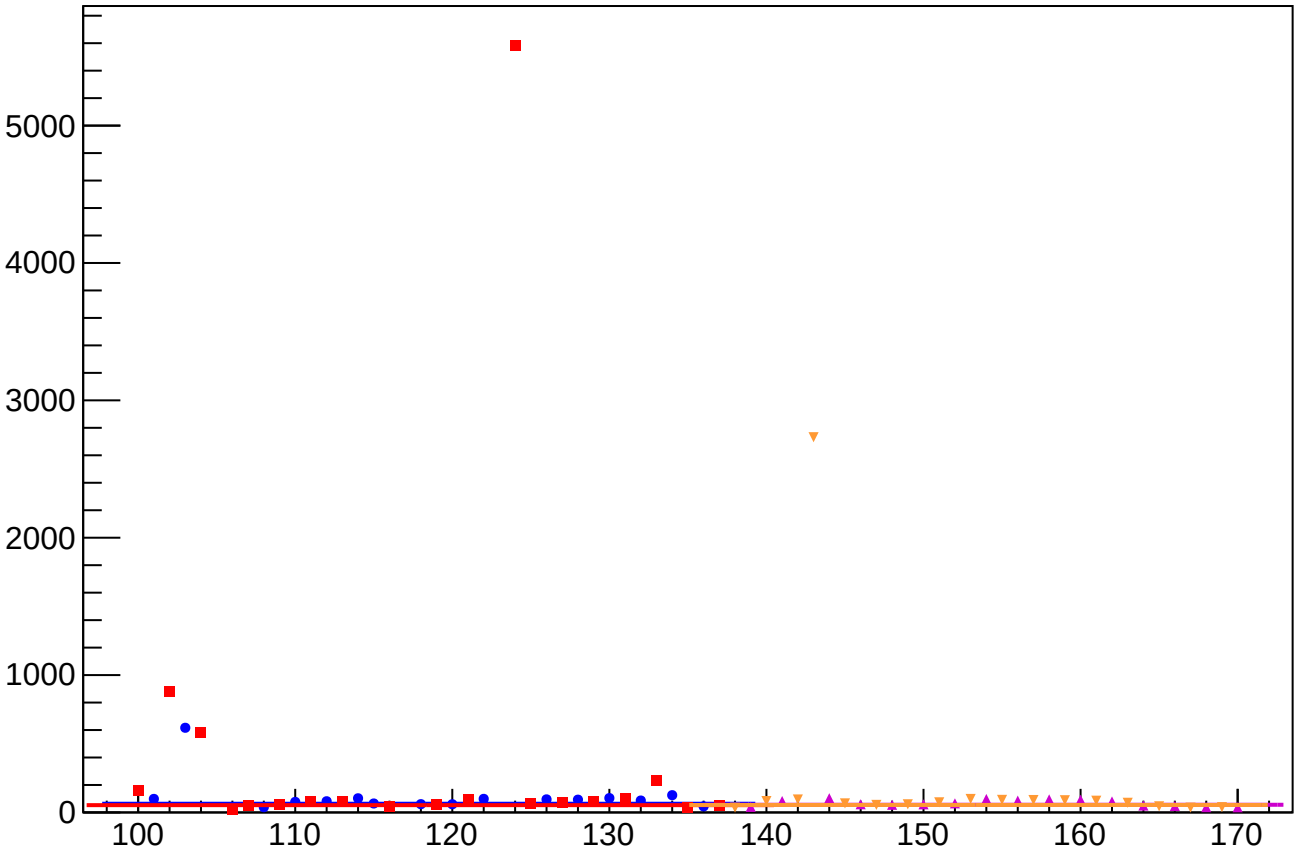
Left: 0.015+/-0.012 χ^2/NDF: 39.4/32

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.048+/-0.014 χ^2/NDF:32.1/35

All: 0.018+/-0.010 χ^2/NDF: 66.7/67



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.526+/-0.012 χ^2/NDF:4501120.5/16

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 55.974+/-0.012 χ^2/NDF:2652111.3/15

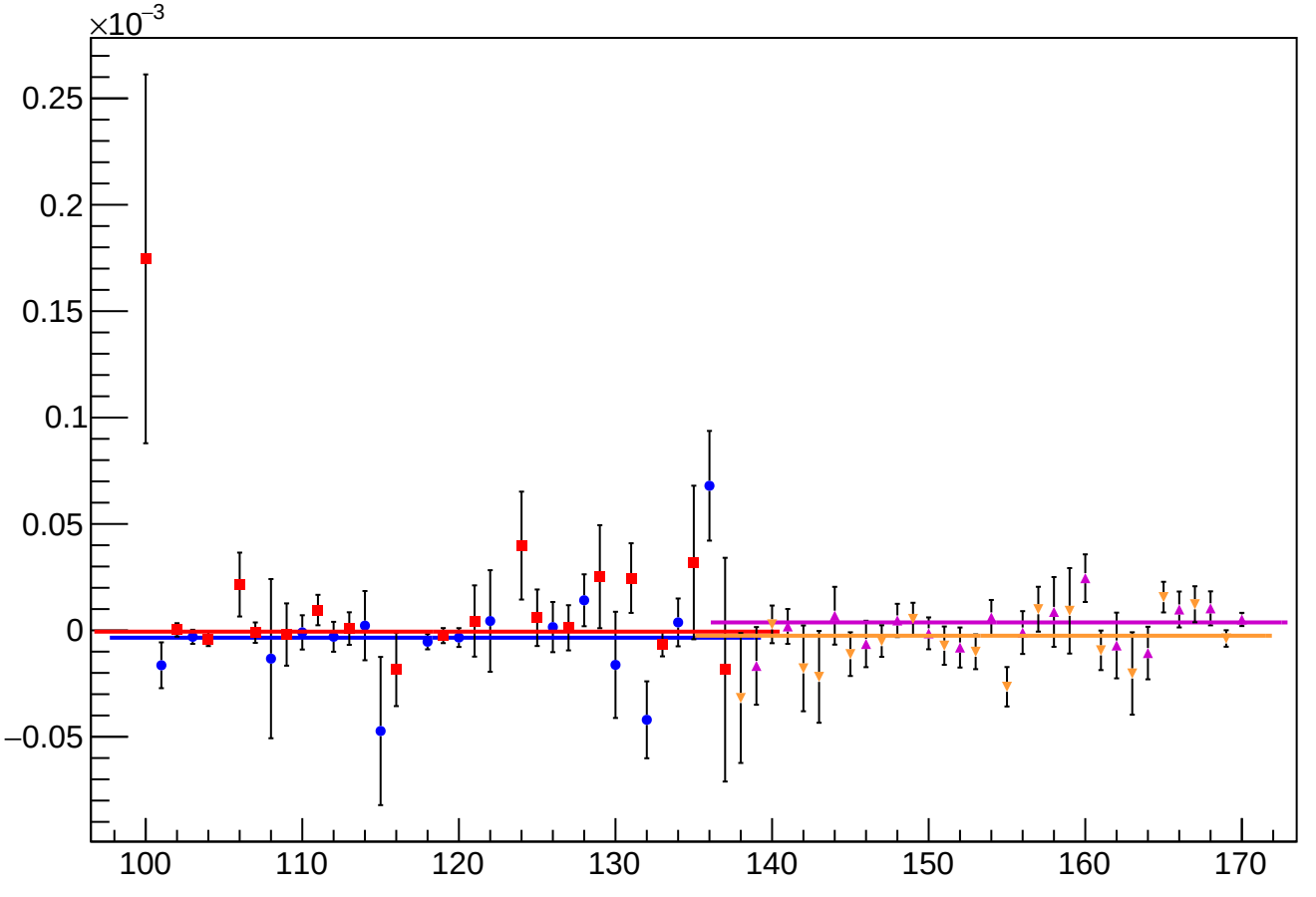
Left: 55.251+/-0.009 χ^2/NDF: 7160327.1/32

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.107+/-0.010 χ^2/NDF:5205370.2/31

Out: 54.098+/-0.010 χ^2/NDF:8450711.3/35

All: 56.048+/-0.007 χ^2/NDF: 13734265.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/15

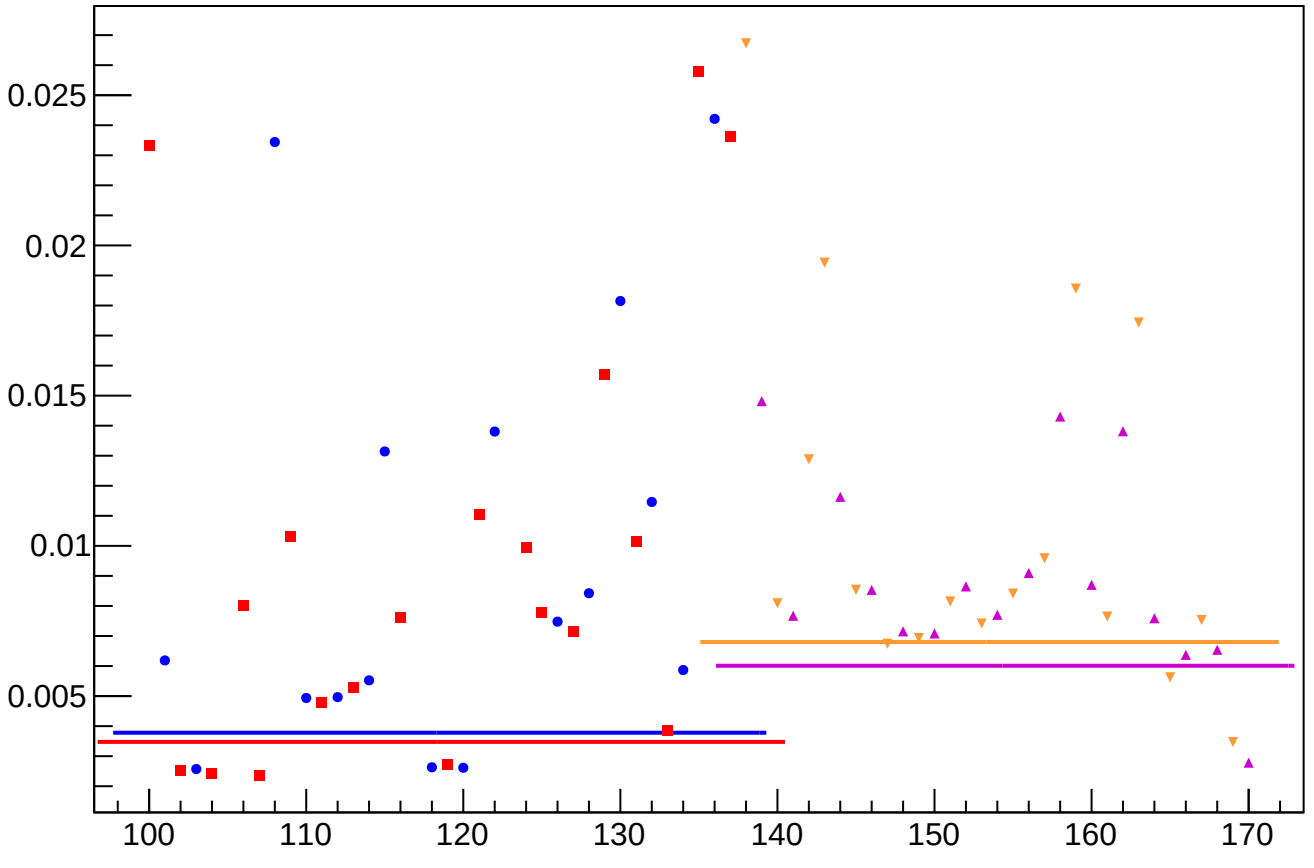
Left: 0.000+/-0.000 χ^2/NDF: 41.2/32

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:37.4/31

Out: -0.000+/-0.000 χ^2/NDF:44.7/35

All: -0.000+/-0.000 χ^2/NDF: 82.6/67



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:4934300.9/16

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4860814.8/15

Left: 0.006+/-0.000 χ^2/NDF: 9946533.2/32

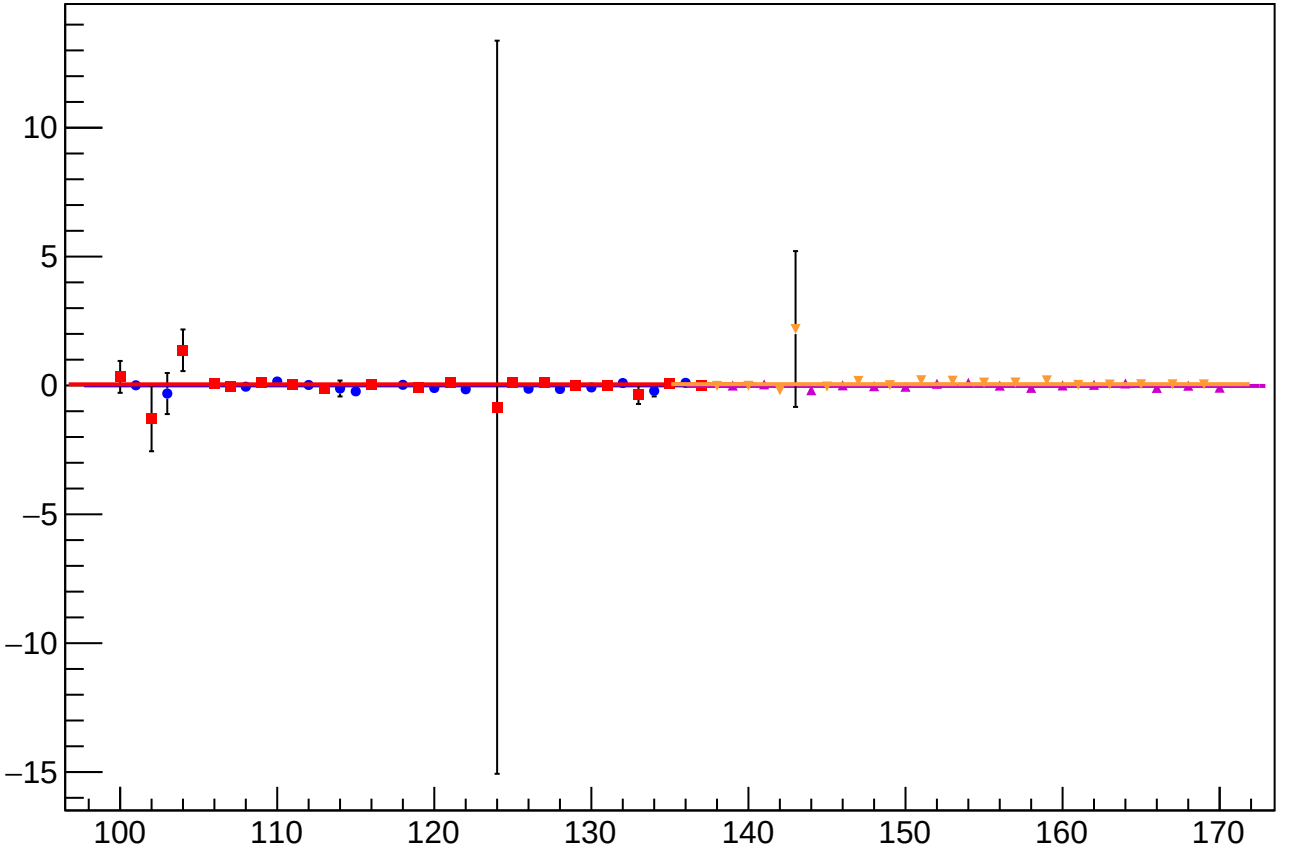
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:10958686.1/31

Out: 0.005+/-0.000 χ^2/NDF:12695801.2/35

All: 0.005+/-0.000 χ^2/NDF: 23670656.8/67

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: 0.050+/-0.017 χ^2/NDF:19.4/16

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.4/32

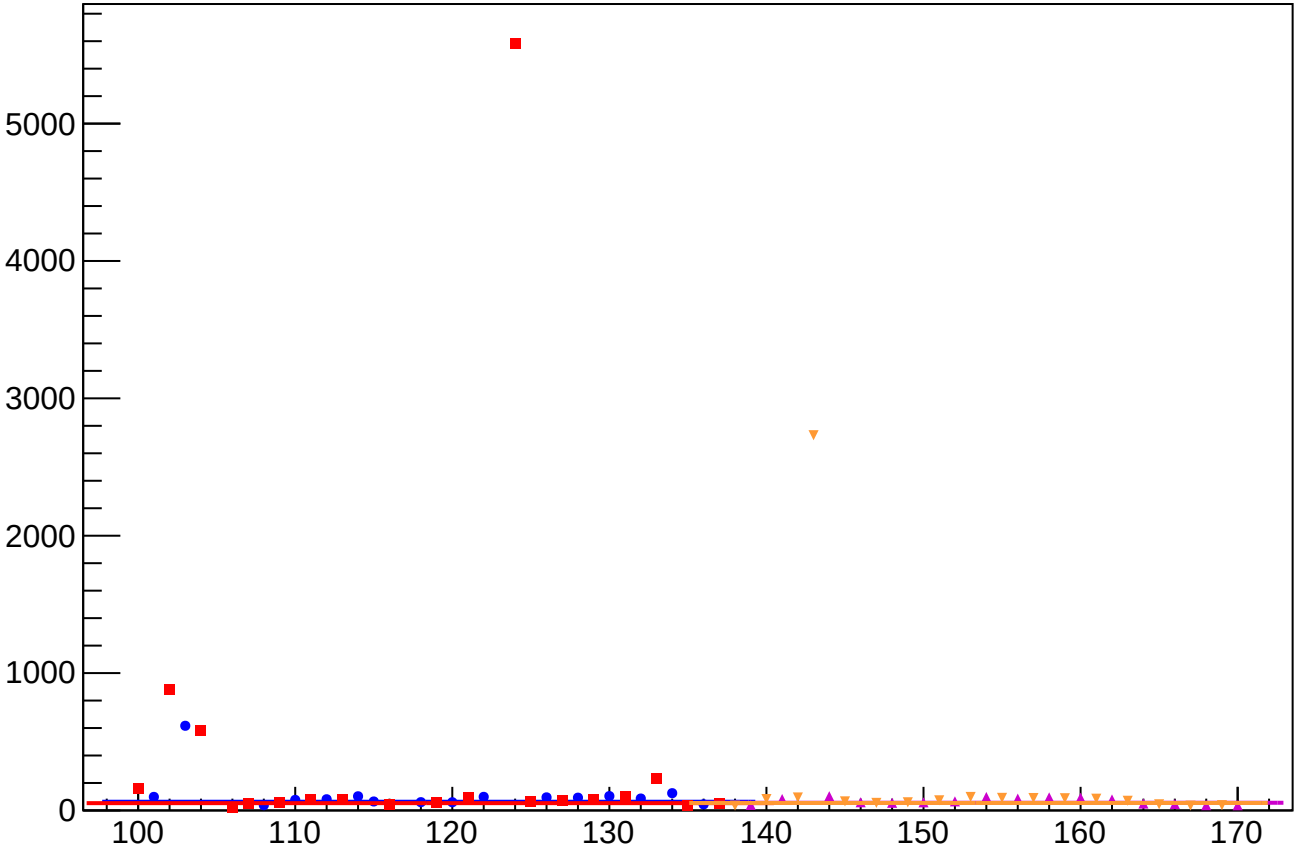
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.048+/-0.014 χ^2/NDF:32.1/35

All: 0.018+/-0.010 χ^2/NDF: 66.7/67

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: 54.524+/-0.012 χ^2/NDF:4500836.5/16

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 55.977+/-0.012 χ^2/NDF:2651697.5/15

Left: 55.251+/-0.009 χ^2/NDF: 7159662.0/32

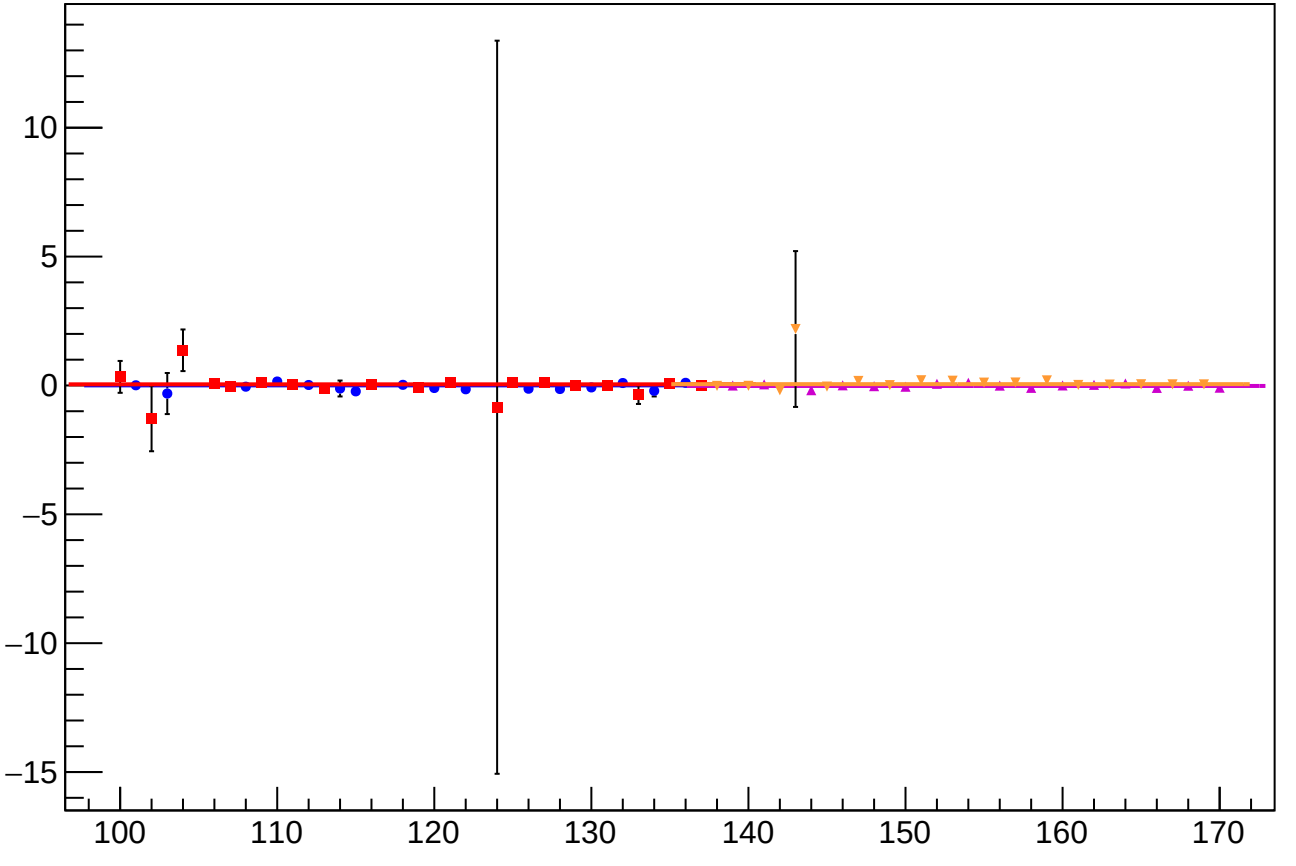
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.111+/-0.010 χ^2/NDF:5204234.6/31

Out: 54.095+/-0.010 χ^2/NDF:8451000.2/35

All: 56.049+/-0.007 χ^2/NDF: 13733664.7/67

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: 0.050+/-0.017 χ^2/NDF:19.4/16

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.4/32

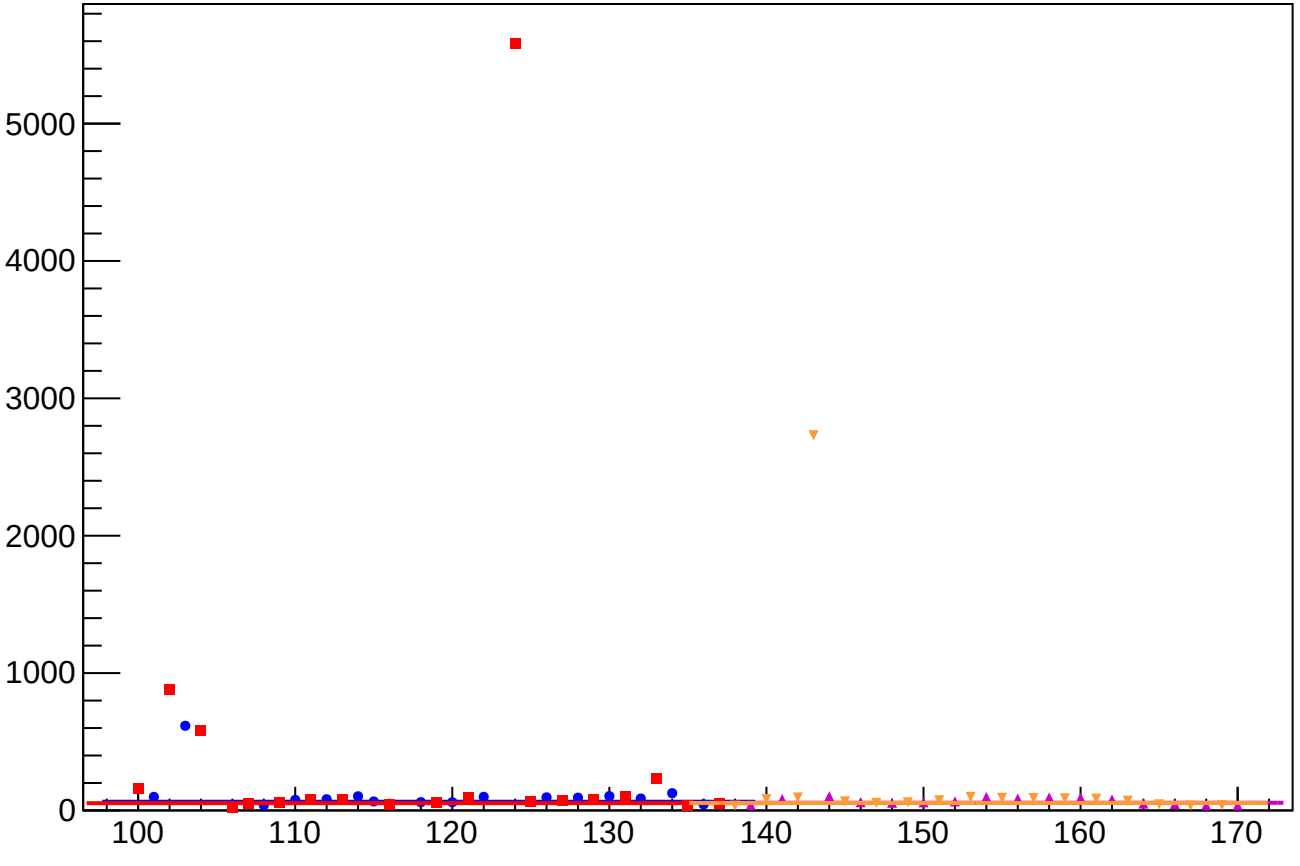
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.048+/-0.014 χ^2/NDF:32.1/35

All: 0.018+/-0.010 χ^2/NDF: 66.7/67

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: 54.524+/-0.012 χ^2/NDF:4500836.5/16

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 55.977+/-0.012 χ^2/NDF:2651697.5/15

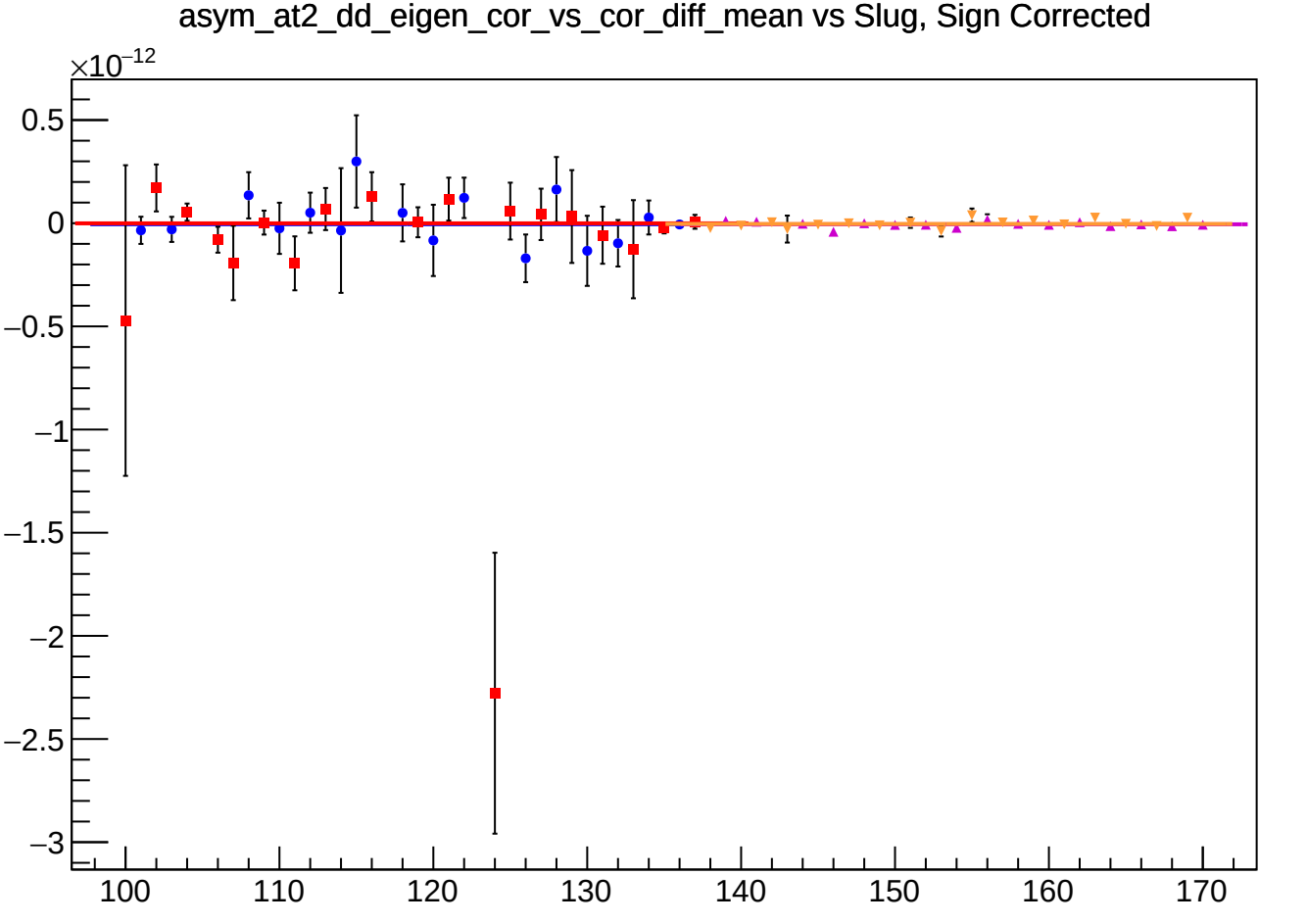
Left: 55.251+/-0.009 χ^2/NDF: 7159662.0/32

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.111+/-0.010 χ^2/NDF:5204234.6/31

Out: 54.095+/-0.010 χ^2/NDF:8451000.2/35

All: 56.049+/-0.007 χ^2/NDF: 13733664.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/15

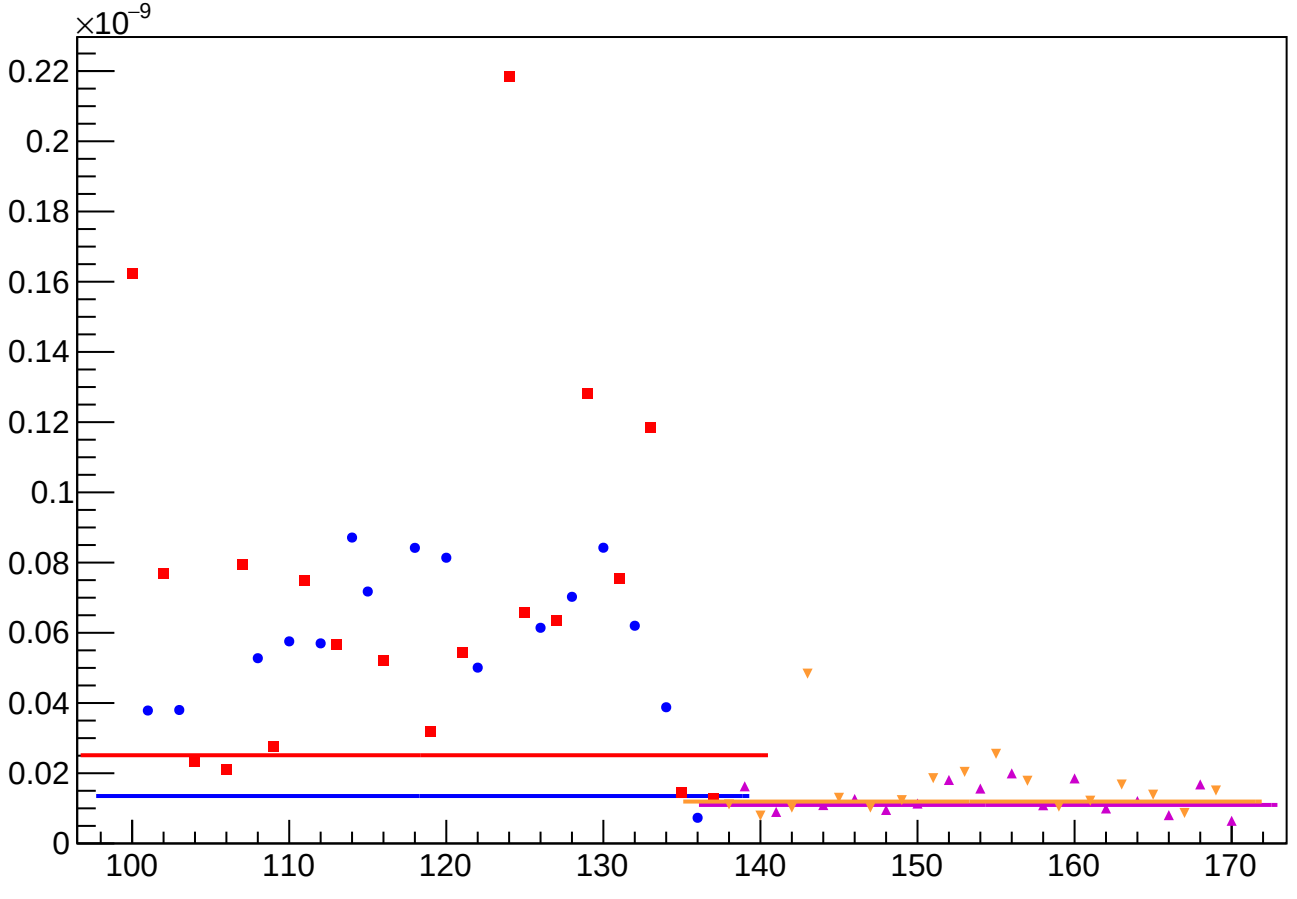
Left: -0.000+/-0.000 χ^2/NDF: 22.1/32

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:20.2/31

Out: -0.000+/-0.000 χ^2/NDF:37.8/35

All: -0.000+/-0.000 χ^2/NDF: 58.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2132918.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1614599.2/15

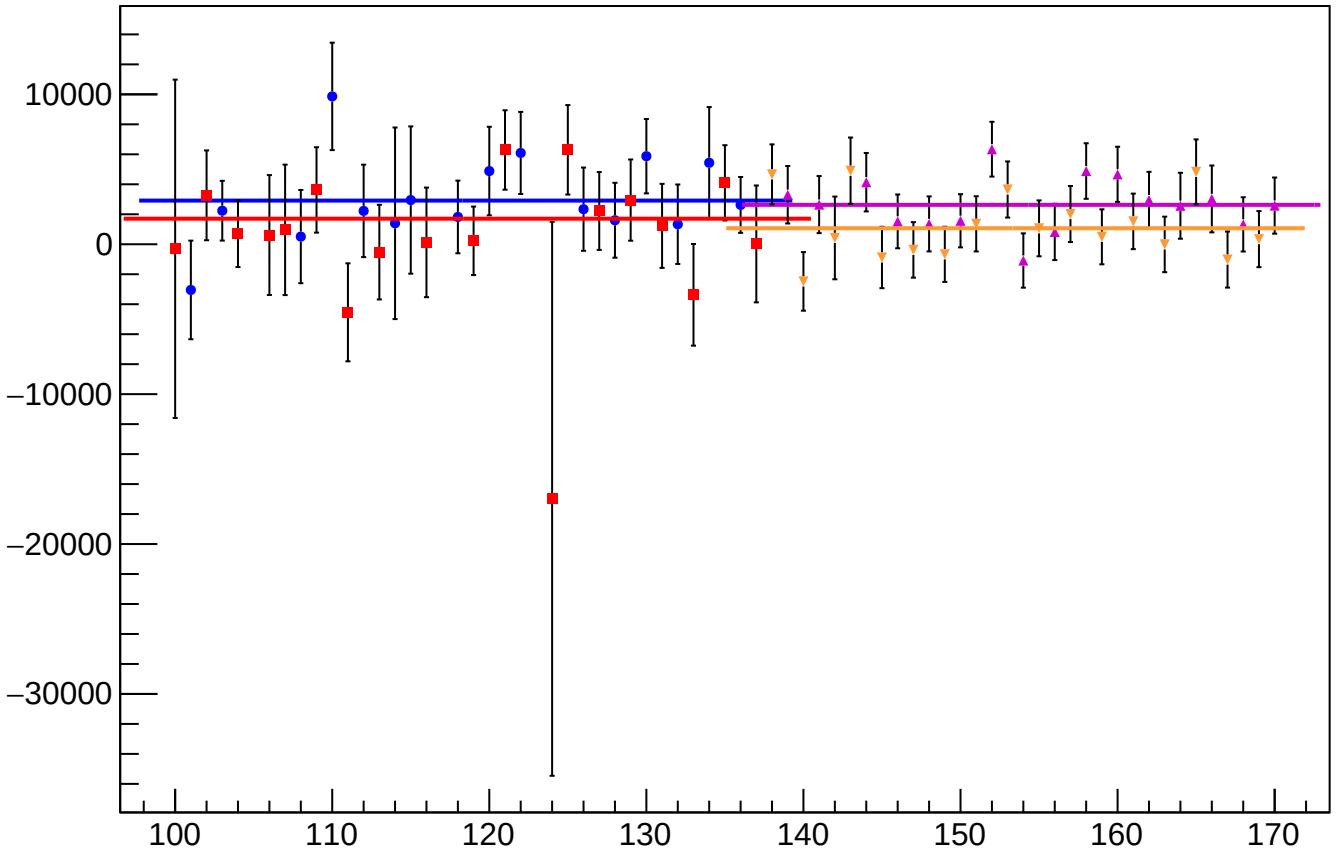
Left: 0.000+/-0.000 χ^2/NDF: 3804029.8/32

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6714718.7/31

Out: 0.000+/-0.000 χ^2/NDF:7139260.5/35

All: 0.000+/-0.000 χ^2/NDF: 14023403.9/67



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1069.181+/-471.849 χ^2/NDF:19.1/16

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2628.467+/-471.834 χ^2/NDF:14.5/15

Left: 1848.850+/-333.642 χ^2/NDF: 39.0/32

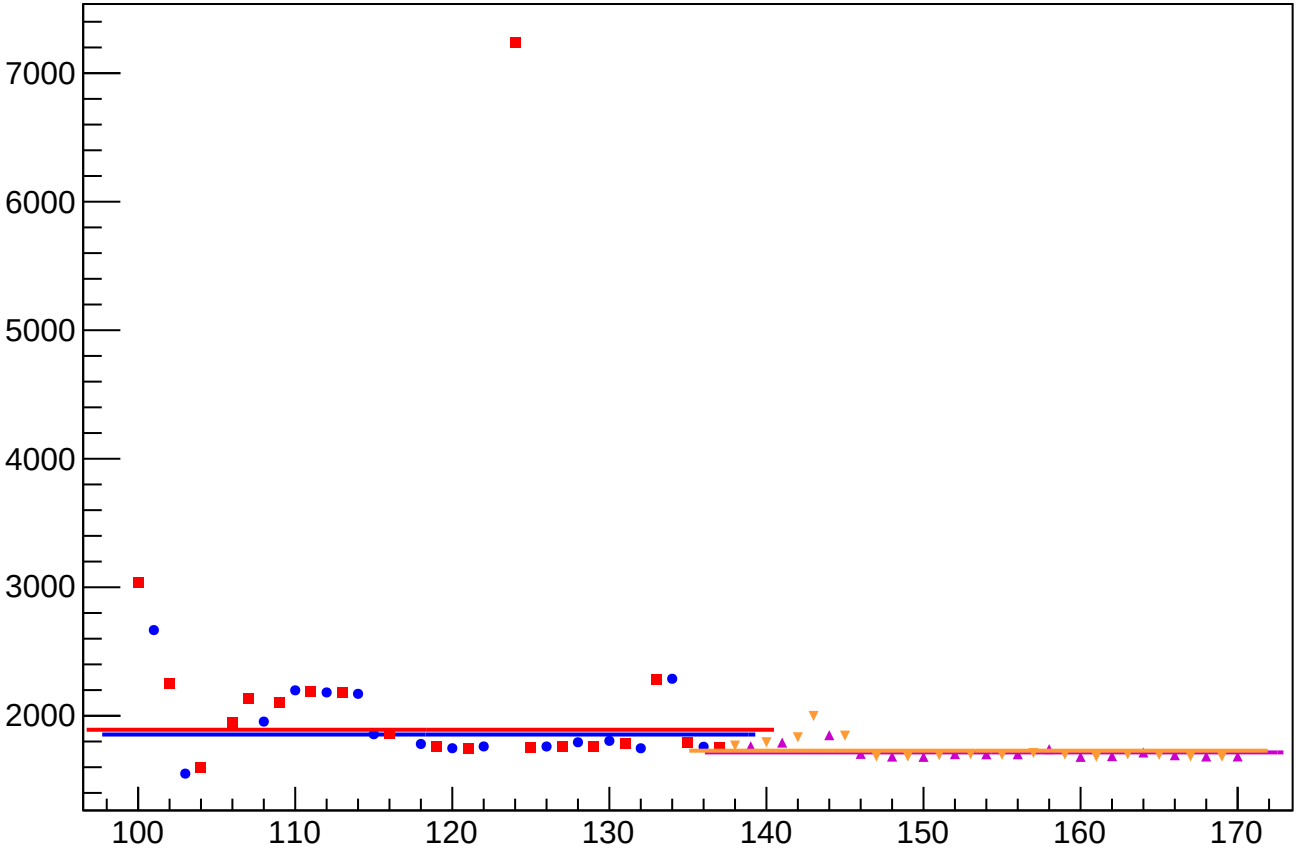
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2718.221+/-390.383 χ^2/NDF:27.0/31

Out: 1265.143+/-392.444 χ^2/NDF:35.5/35

All: 1995.508+/-276.768 χ^2/NDF: 69.4/67

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1728.589+/-0.334 χ^2/NDF:51697.7/16

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

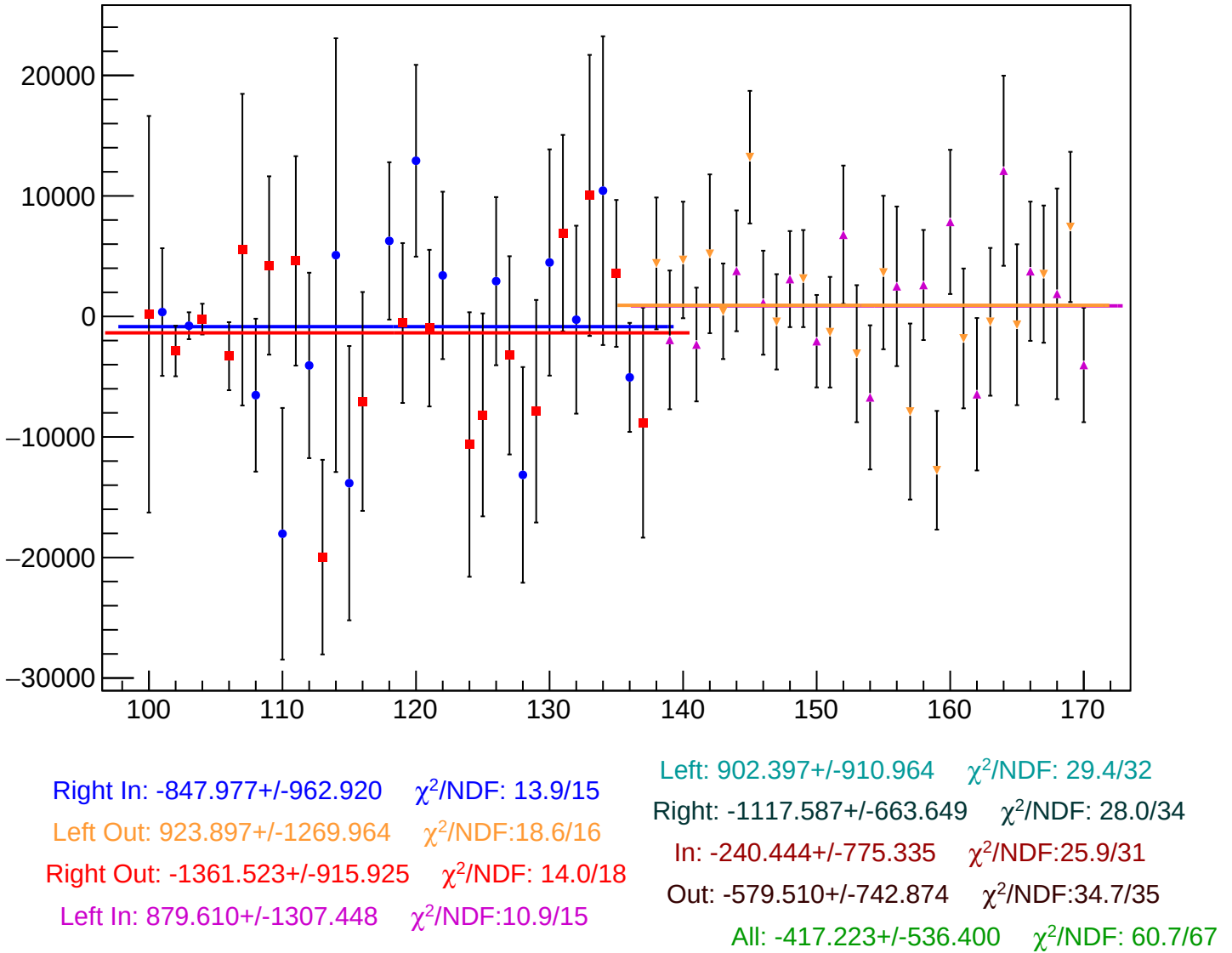
Left: 1721.824+/-0.236 χ^2/NDF: 71181.5/32

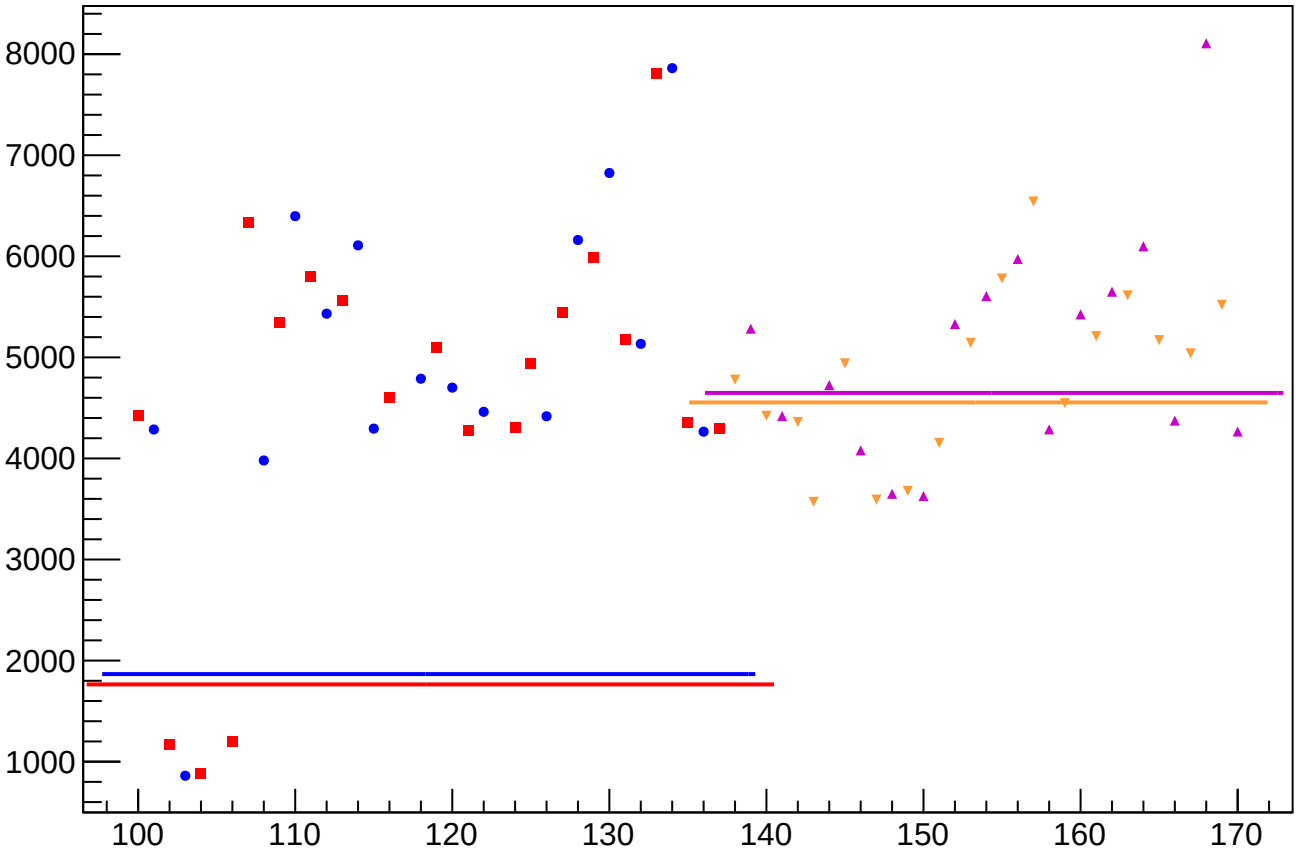
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1758.987+/-0.276 χ^2/NDF:336938.9/31

Out: 1778.958+/-0.277 χ^2/NDF:489446.8/35

All: 1768.927+/-0.196 χ^2/NDF: 828990.8/67


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 923.897+/-1269.964 χ²/NDF:18.6/16
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 879.610+/-1307.448 χ²/NDF:10.9/15
Left: 902.397+/-910.964 χ²/NDF: 29.4/32
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -240.444+/-775.335 χ²/NDF:25.9/31
Out: -579.510+/-742.874 χ²/NDF:34.7/35
All: -417.223+/-536.400 χ²/NDF: 60.7/67



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4554.096+/-0.898 χ^2/NDF:776431.3/16

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4648.328+/-0.925 χ^2/NDF:985414.7/15

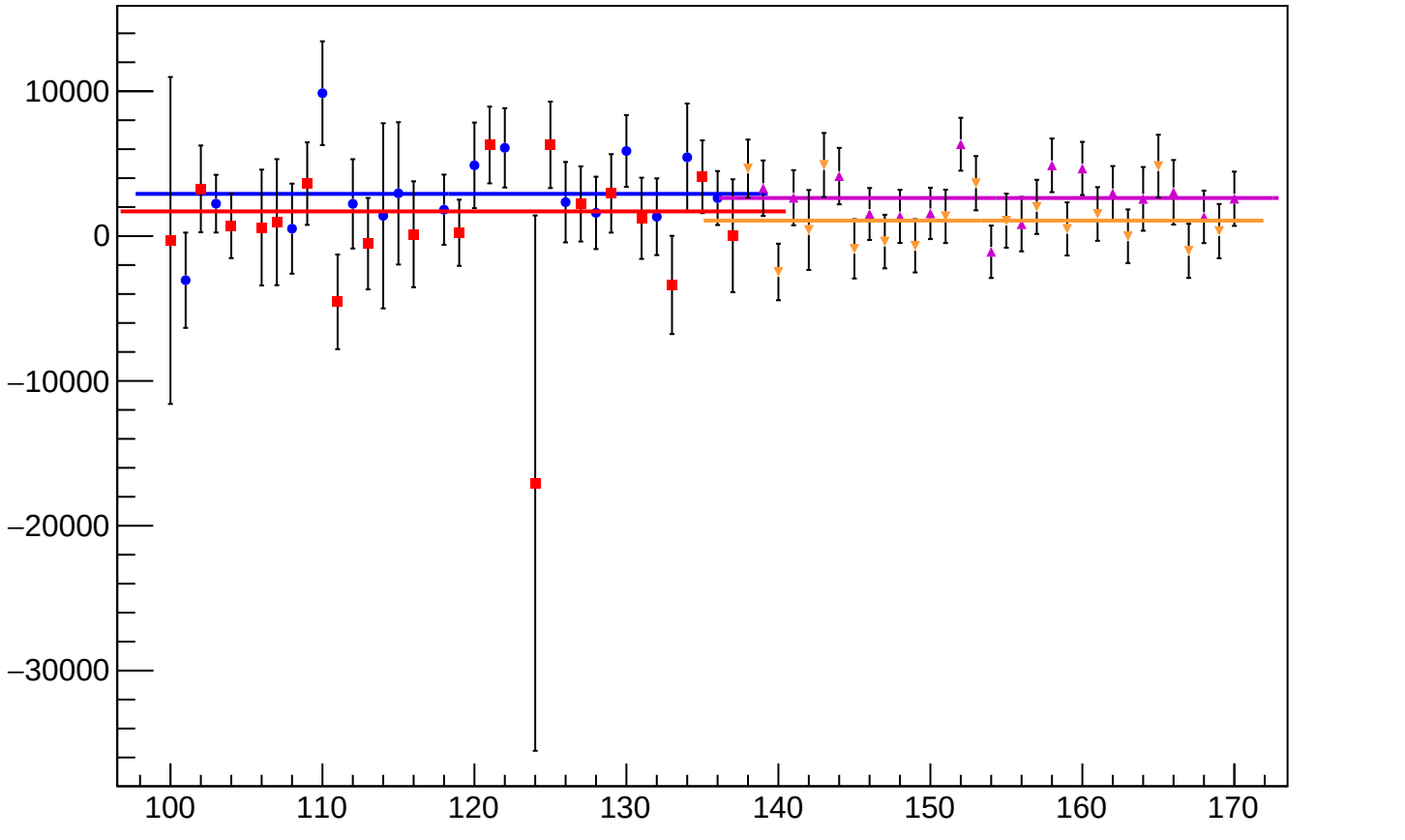
Left: 4599.842+/-0.644 χ^2/NDF: 1767191.7/32

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2844.712+/-0.548 χ^2/NDF:13705489.7/31

Out: 2718.885+/-0.525 χ^2/NDF:13560289.2/35

All: 2779.109+/-0.379 χ^2/NDF: 27293242.0/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1069.010+/-471.849 χ^2/NDF:19.1/16

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2628.445+/-471.834 χ^2/NDF:14.5/15

Left: 1848.754+/-333.642 χ^2/NDF: 39.0/32

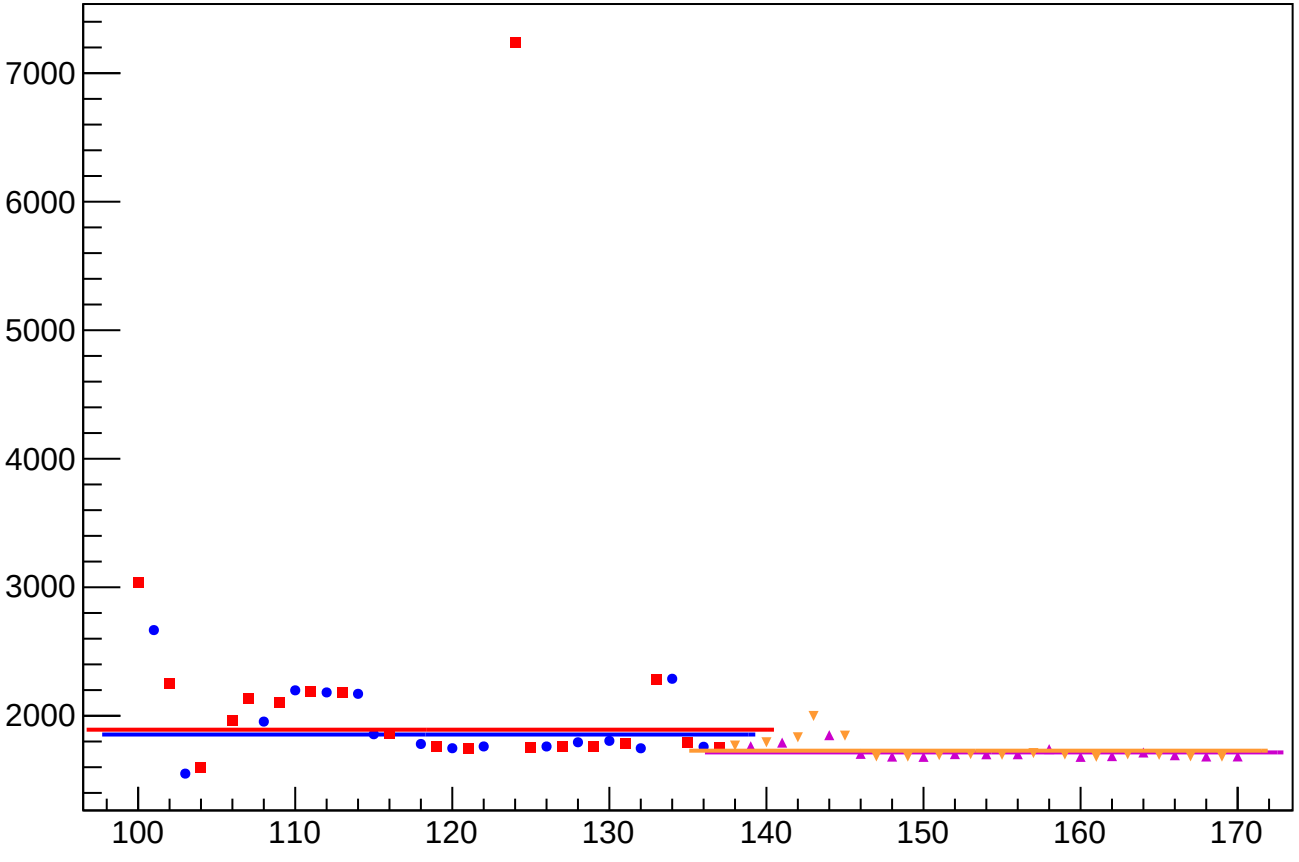
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2718.237+/-390.383 χ^2/NDF:27.0/31

Out: 1264.599+/-392.444 χ^2/NDF:35.5/35

All: 1995.246+/-276.768 χ^2/NDF: 69.4/67

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1728.589+/-0.334 χ^2/NDF:51697.7/16

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

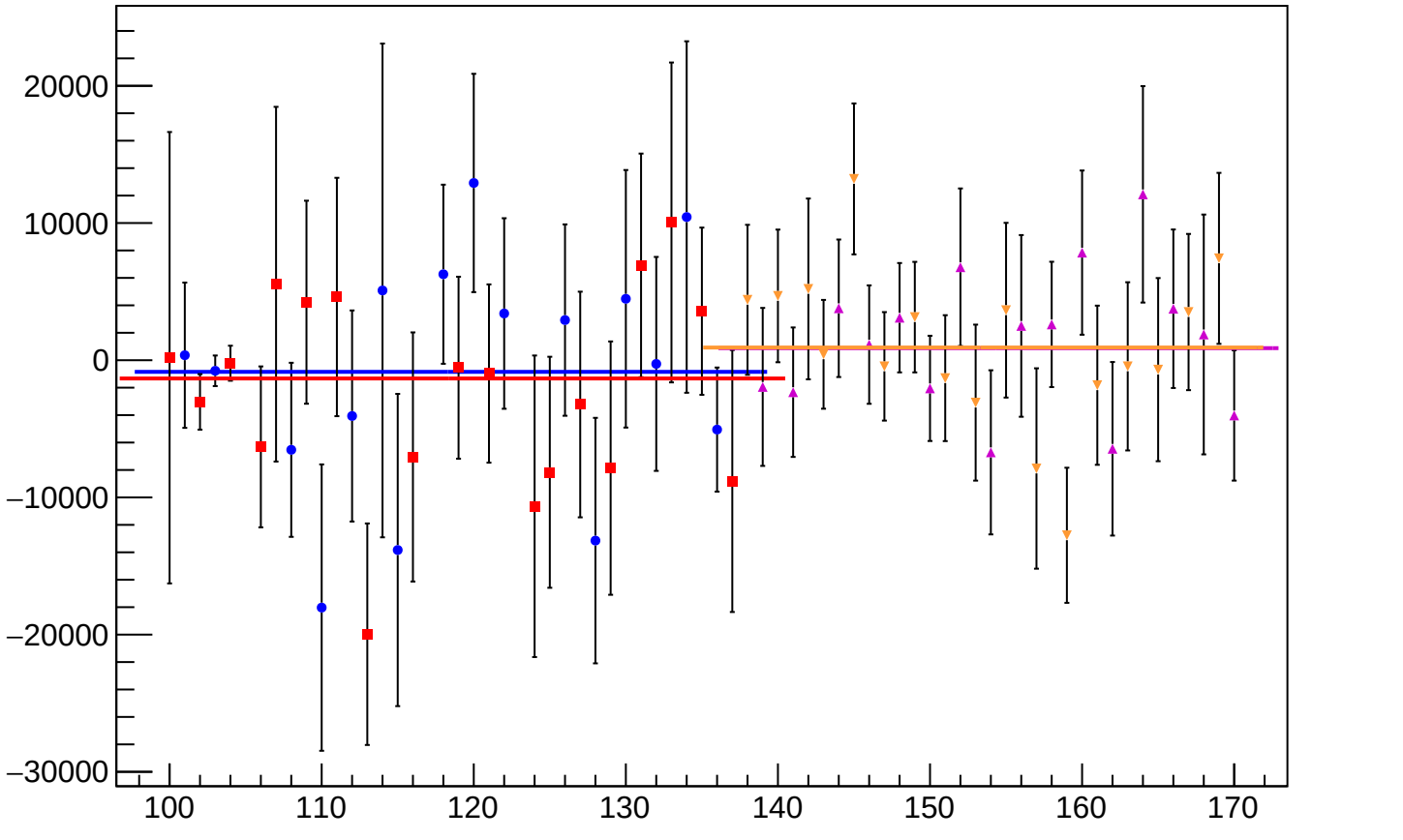
Left: 1721.824+/-0.236 χ^2/NDF: 71181.5/32

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1758.987+/-0.276 χ^2/NDF:336938.8/31

Out: 1779.084+/-0.277 χ^2/NDF:490080.5/35

All: 1768.989+/-0.196 χ^2/NDF: 829657.1/67



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 923.862+/-1269.962 χ^2/NDF:18.6/16

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 879.669+/-1307.448 χ^2/NDF:10.9/15

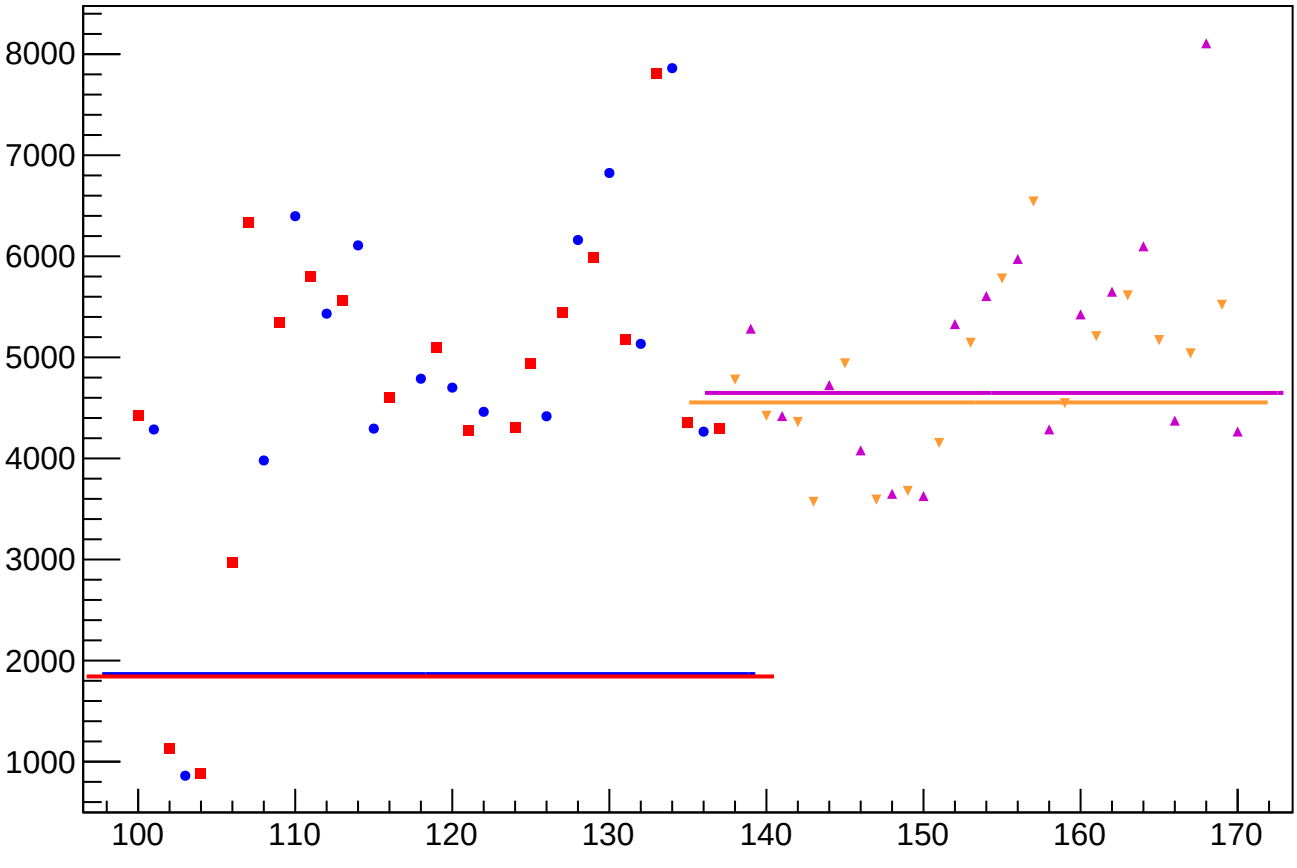
Left: 902.408+/-910.963 χ^2/NDF: 29.4/32

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -240.159+/-775.307 χ^2/NDF:25.9/31

Out: -524.193+/-759.766 χ^2/NDF:35.0/35

All: -385.051+/-542.647 χ^2/NDF: 61.0/67



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4554.089+/-0.898 χ^2/NDF:776441.6/16

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4648.325+/-0.925 χ^2/NDF:985430.5/15

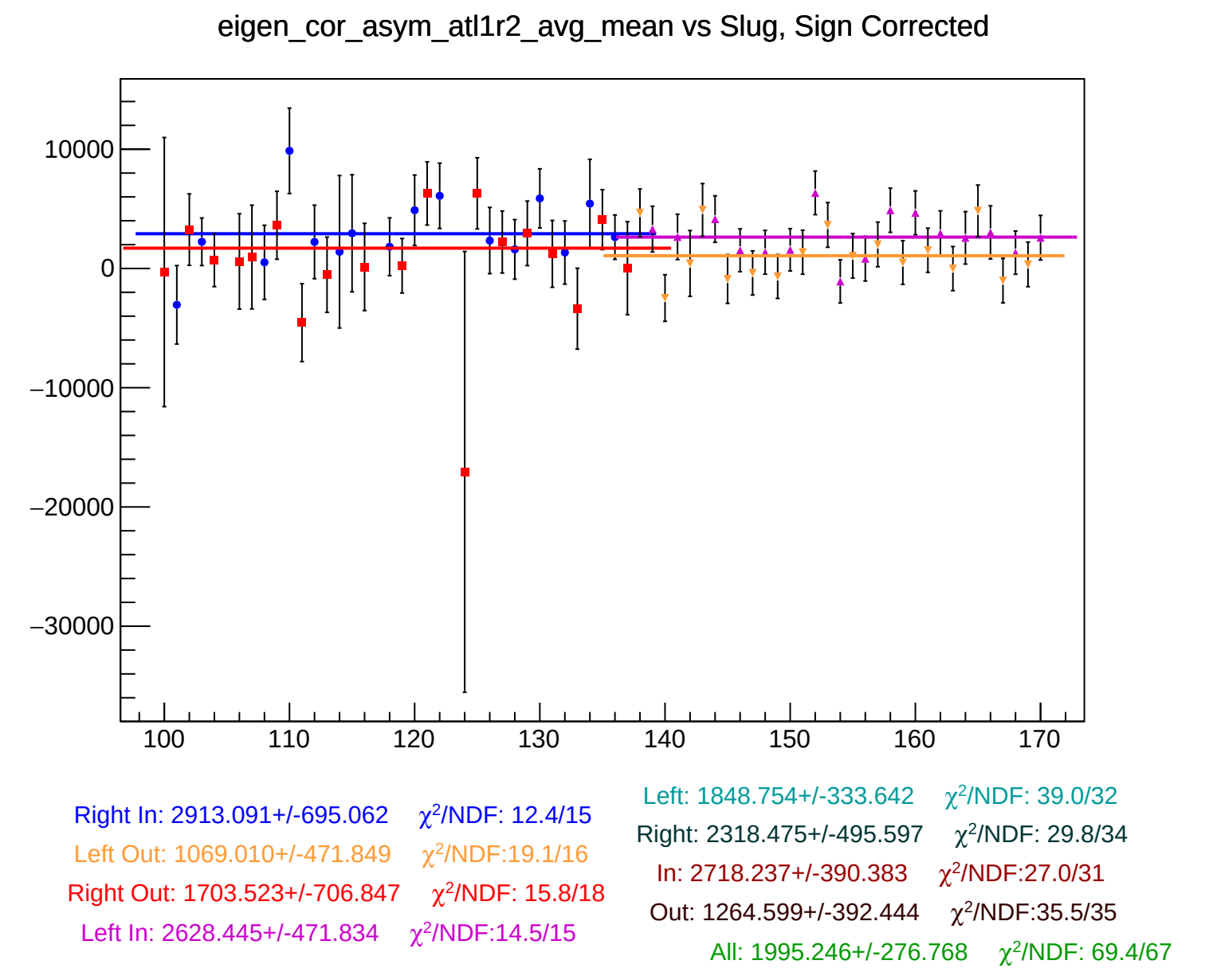
Left: 4599.837+/-0.644 χ^2/NDF: 1767218.2/32

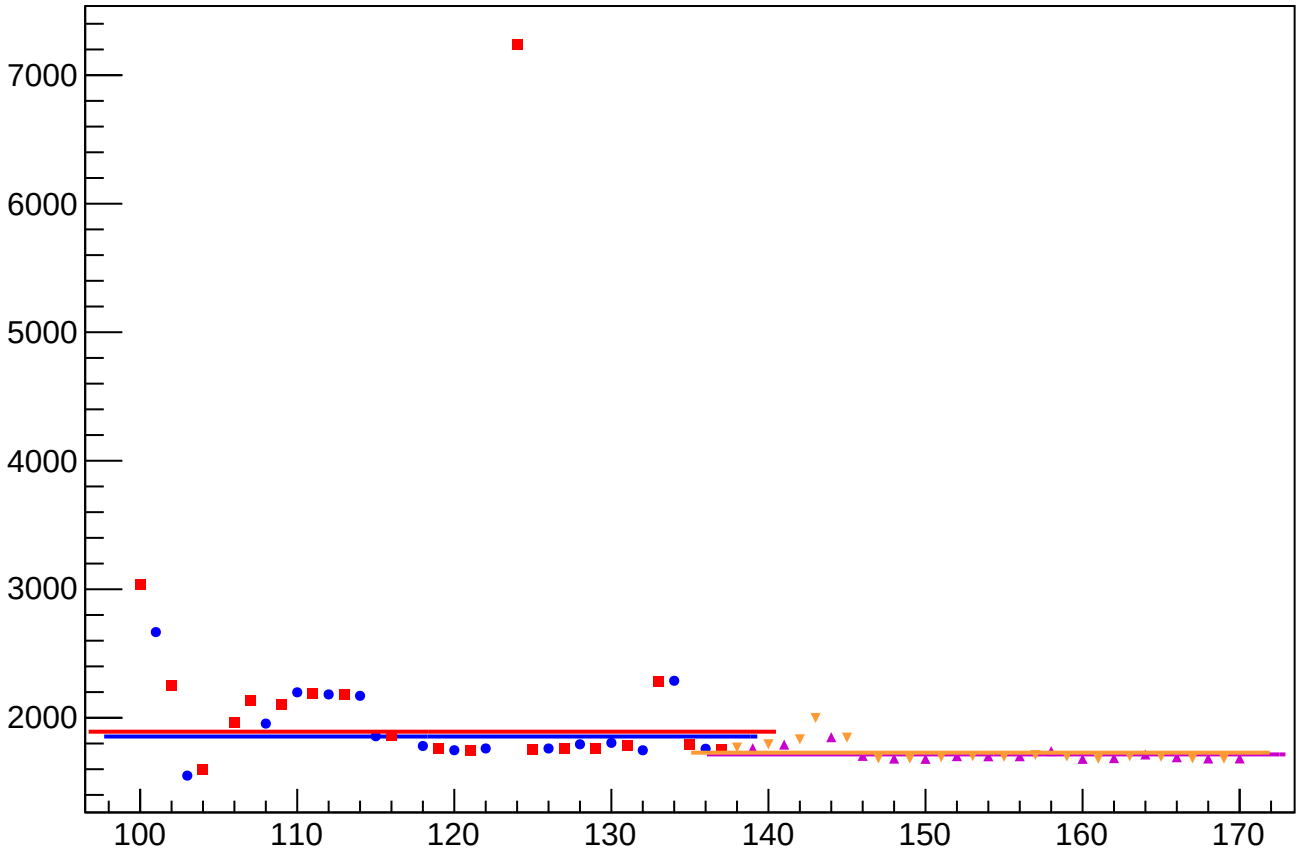
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2844.542+/-0.548 χ^2/NDF:13706795.0/31

Out: 2813.260+/-0.537 χ^2/NDF:13087750.8/35

All: 2828.584+/-0.384 χ^2/NDF: 26796206.7/6


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1069.010+/-471.849 χ²/NDF:19.1/16
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2628.445+/-471.834 χ²/NDF:14.5/15
Left: 1848.754+/-333.642 χ²/NDF: 39.0/32
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2718.237+/-390.383 χ²/NDF:27.0/31
Out: 1264.599+/-392.444 χ²/NDF:35.5/35
All: 1995.246+/-276.768 χ²/NDF: 69.4/67



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1728.589+/-0.334 χ^2/NDF:51697.7/16

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

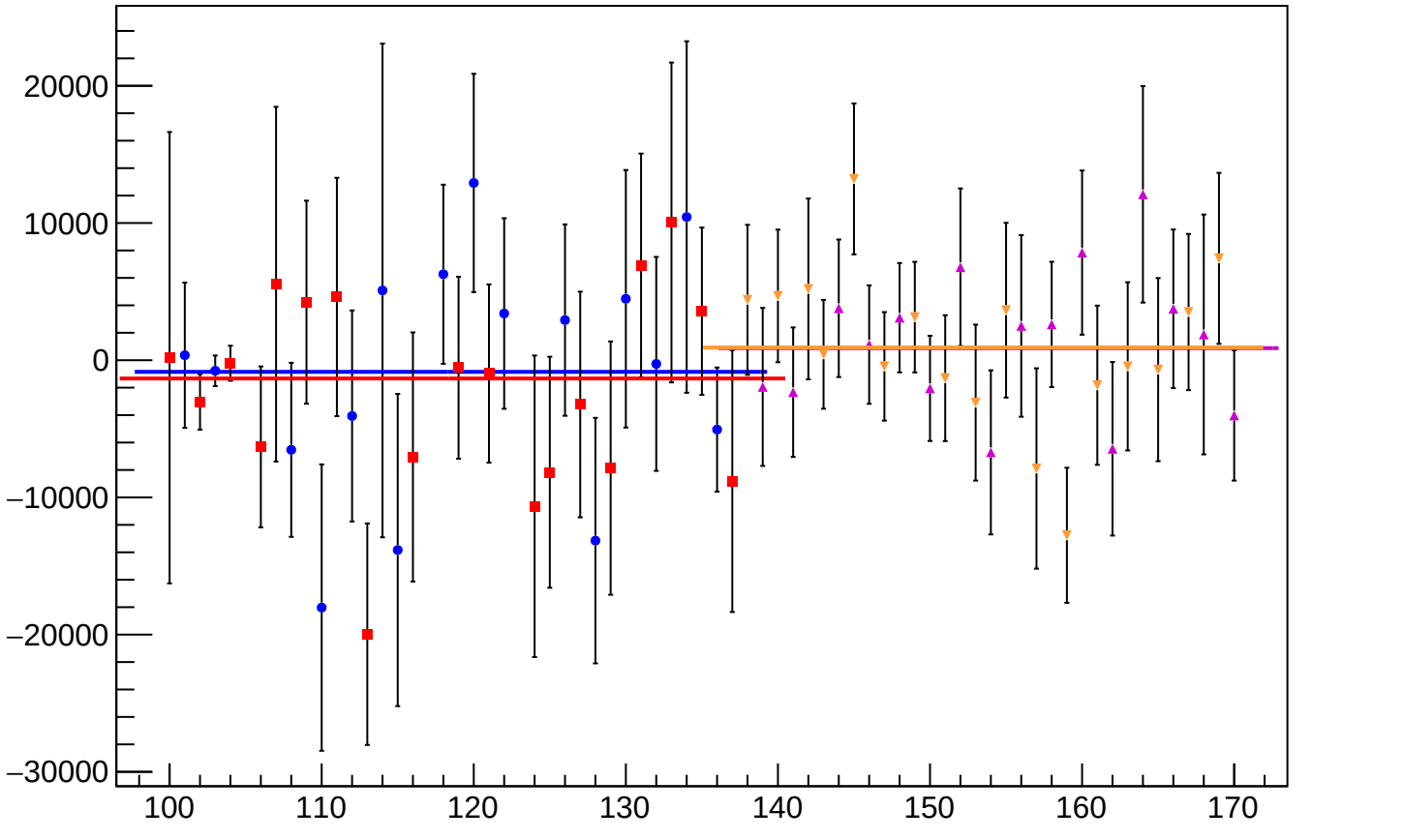
Left: 1721.824+/-0.236 χ^2/NDF: 71181.5/32

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1758.987+/-0.276 χ^2/NDF:336938.8/31

Out: 1779.084+/-0.277 χ^2/NDF:490080.5/35

All: 1768.989+/-0.196 χ^2/NDF: 829657.1/67



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 923.862+/-1269.962 χ^2/NDF:18.6/16

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 879.669+/-1307.448 χ^2/NDF:10.9/15

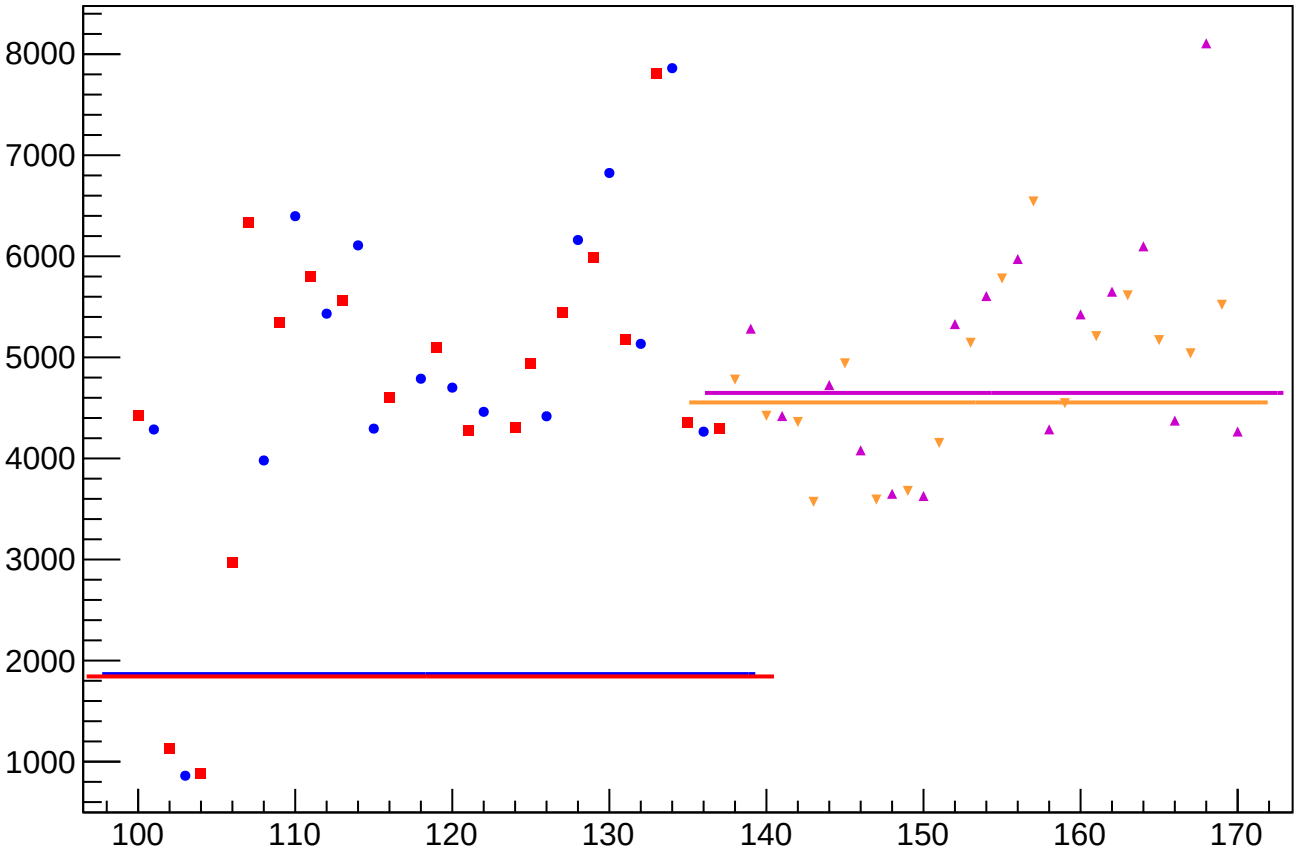
Left: 902.408+/-910.963 χ^2/NDF: 29.4/32

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -240.159+/-775.307 χ^2/NDF:25.9/31

Out: -524.193+/-759.766 χ^2/NDF:35.0/35

All: -385.051+/-542.647 χ^2/NDF: 61.0/67



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4554.089+/-0.898 χ^2/NDF:776441.6/16

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4648.325+/-0.925 χ^2/NDF:985430.5/15

Left: 4599.837+/-0.644 χ^2/NDF: 1767218.2/32

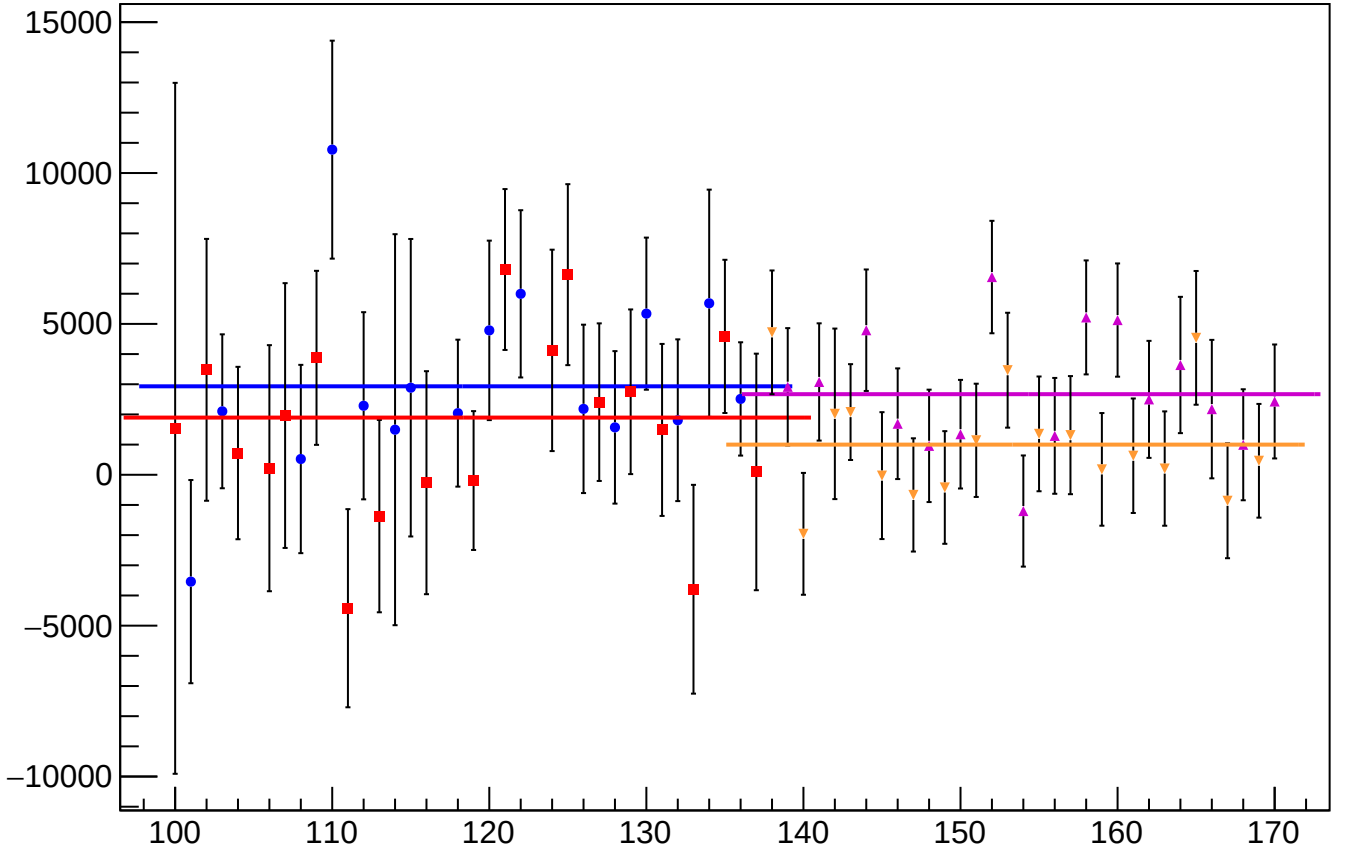
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2844.542+/-0.548 χ^2/NDF:13706795.0/31

Out: 2813.260+/-0.537 χ^2/NDF:13087750.8/35

All: 2828.584+/-0.384 χ^2/NDF: 26796206.7/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 999.586+/-471.190 χ^2/NDF:13.4/16

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2671.129+/-481.287 χ^2/NDF:16.7/15

Left: 1817.639+/-336.695 χ^2/NDF: 36.3/32

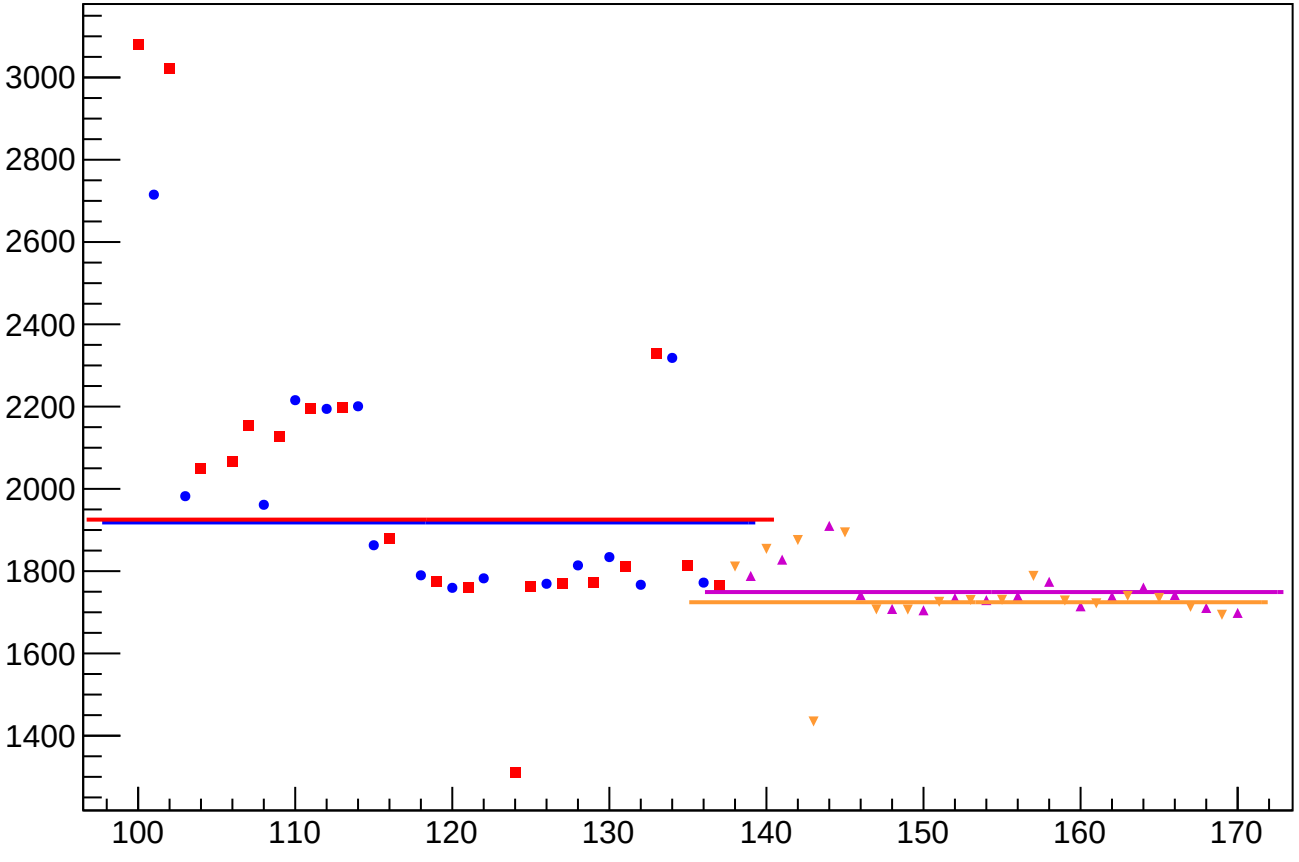
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2751.862+/-399.833 χ^2/NDF:29.8/31

Out: 1267.214+/-394.586 χ^2/NDF:31.8/35

All: 1999.732+/-280.851 χ^2/NDF: 68.6/67

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1724.451+/-0.333 χ^2/NDF:100534.3/16

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1749.185+/-0.340 χ^2/NDF:22978.2/15

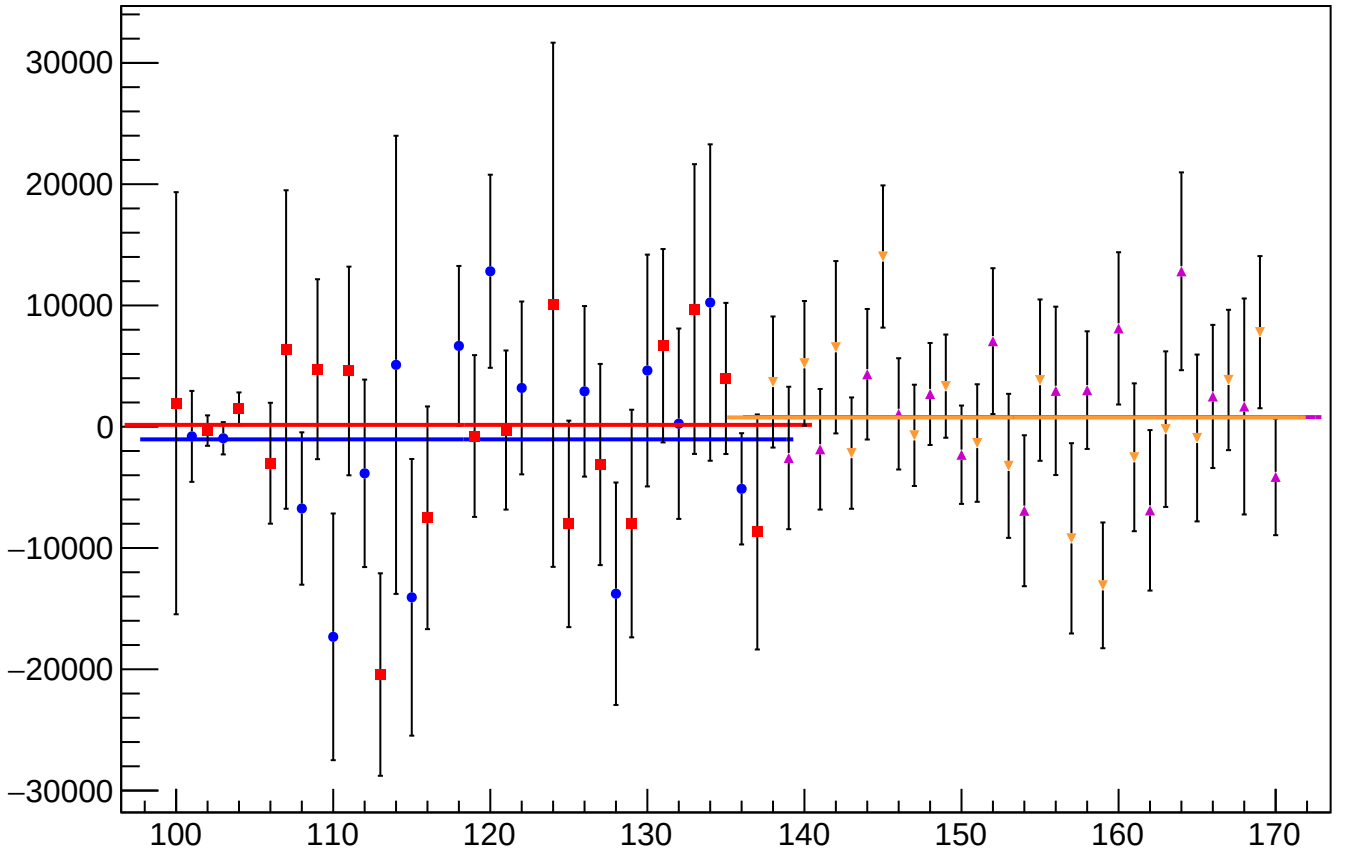
Left: 1736.556+/-0.238 χ^2/NDF: 126209.6/32

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1801.605+/-0.283 χ^2/NDF:315142.7/31

Out: 1784.506+/-0.279 χ^2/NDF:548264.1/35

All: 1792.940+/-0.199 χ^2/NDF: 865260.3/67



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 767.639+/-1341.515 χ^2/NDF:19.3/16

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 793.398+/-1369.367 χ^2/NDF:10.8/15

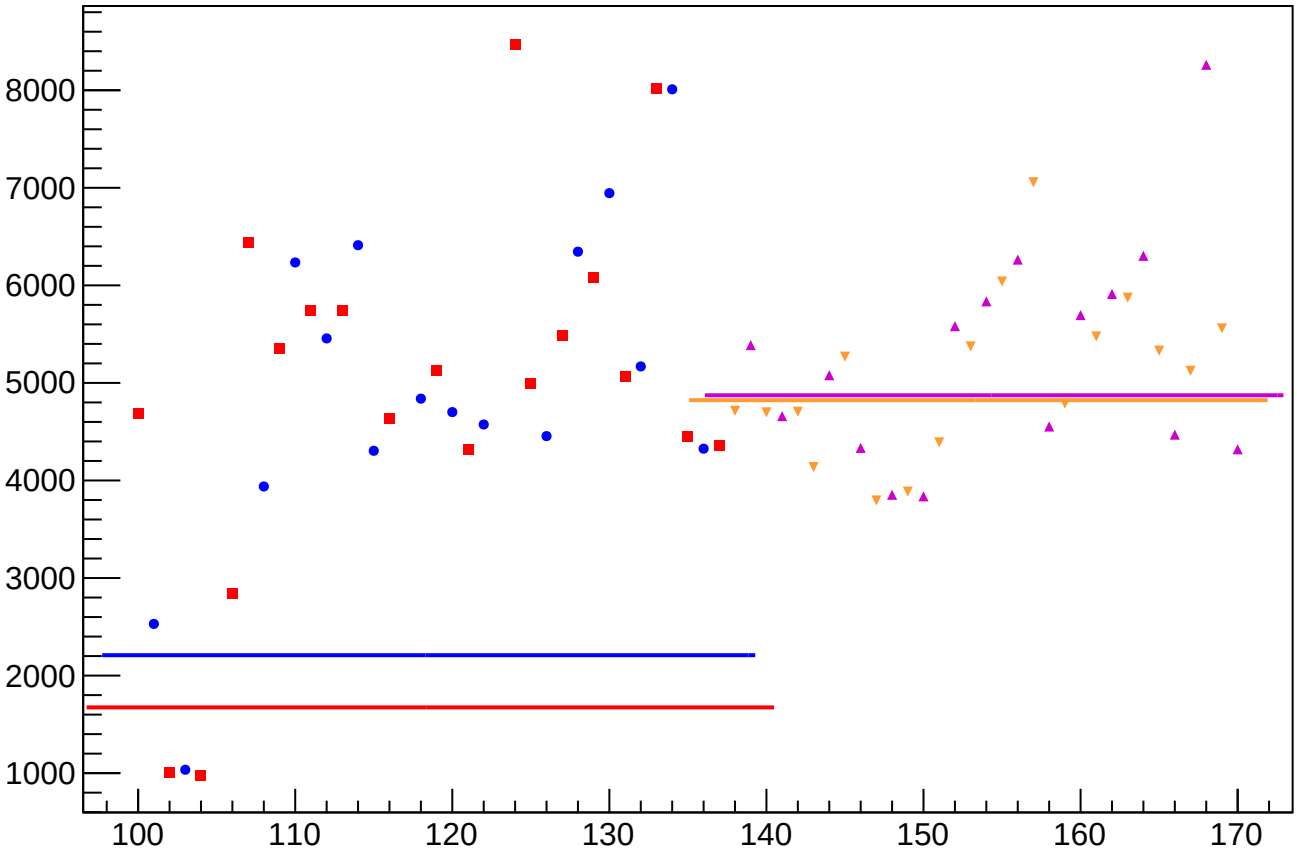
Left: 780.254+/-958.290 χ^2/NDF: 30.0/32

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -344.206+/-844.307 χ^2/NDF:25.8/31

Out: 325.271+/-709.297 χ^2/NDF:33.1/35

All: 48.275+/-543.087 χ^2/NDF: 59.3/67



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4823.188+/-0.949 χ^2/NDF:659637.7/16

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4873.469+/-0.968 χ^2/NDF:932558.2/15

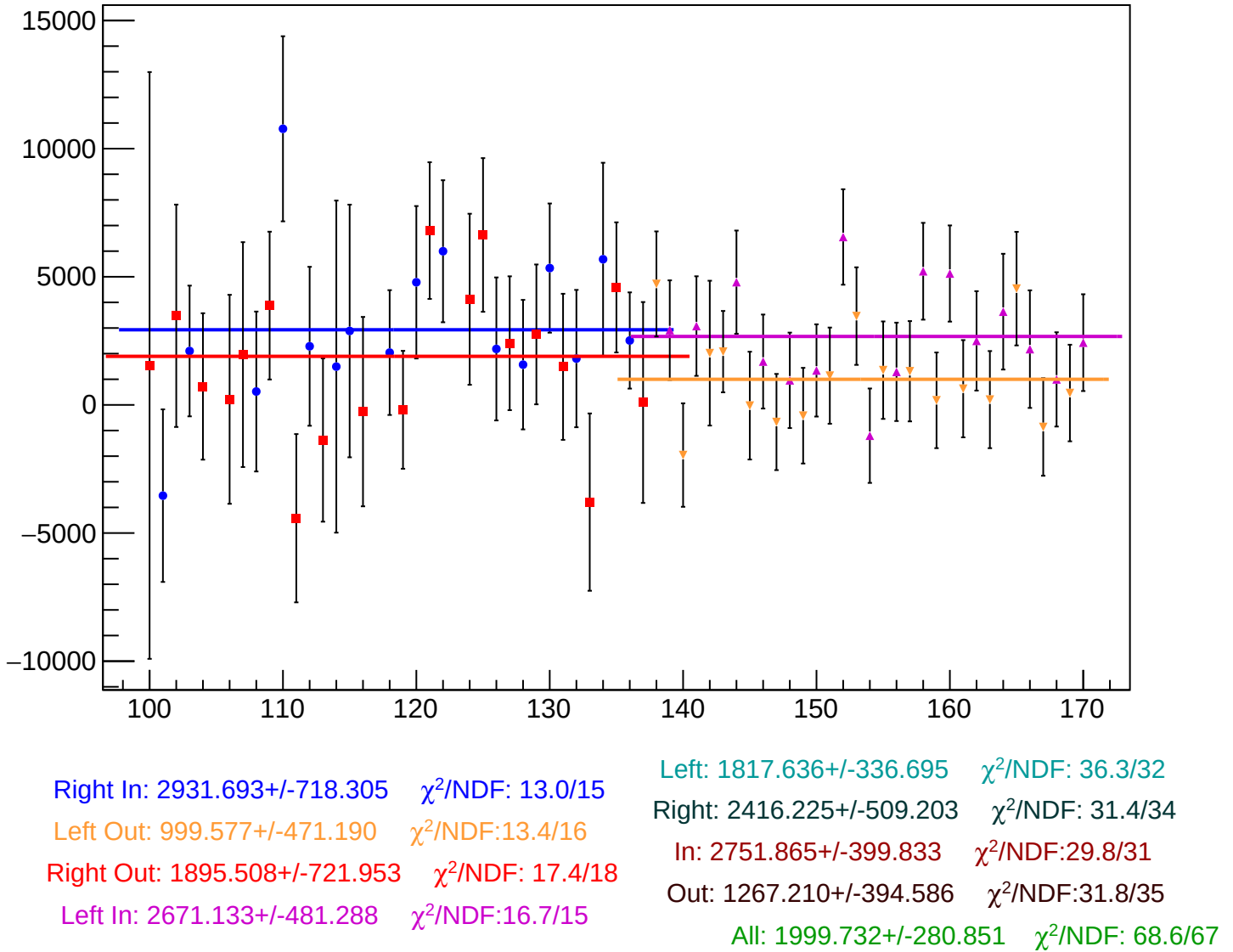
Left: 4847.812+/-0.678 χ^2/NDF: 1593571.8/32

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3221.859+/-0.597 χ^2/NDF:11125353.3/31

Out: 2554.483+/-0.502 χ^2/NDF:15452346.6/35

All: 2830.610+/-0.384 χ^2/NDF: 27310274.6/6


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
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−5000
−10000
100
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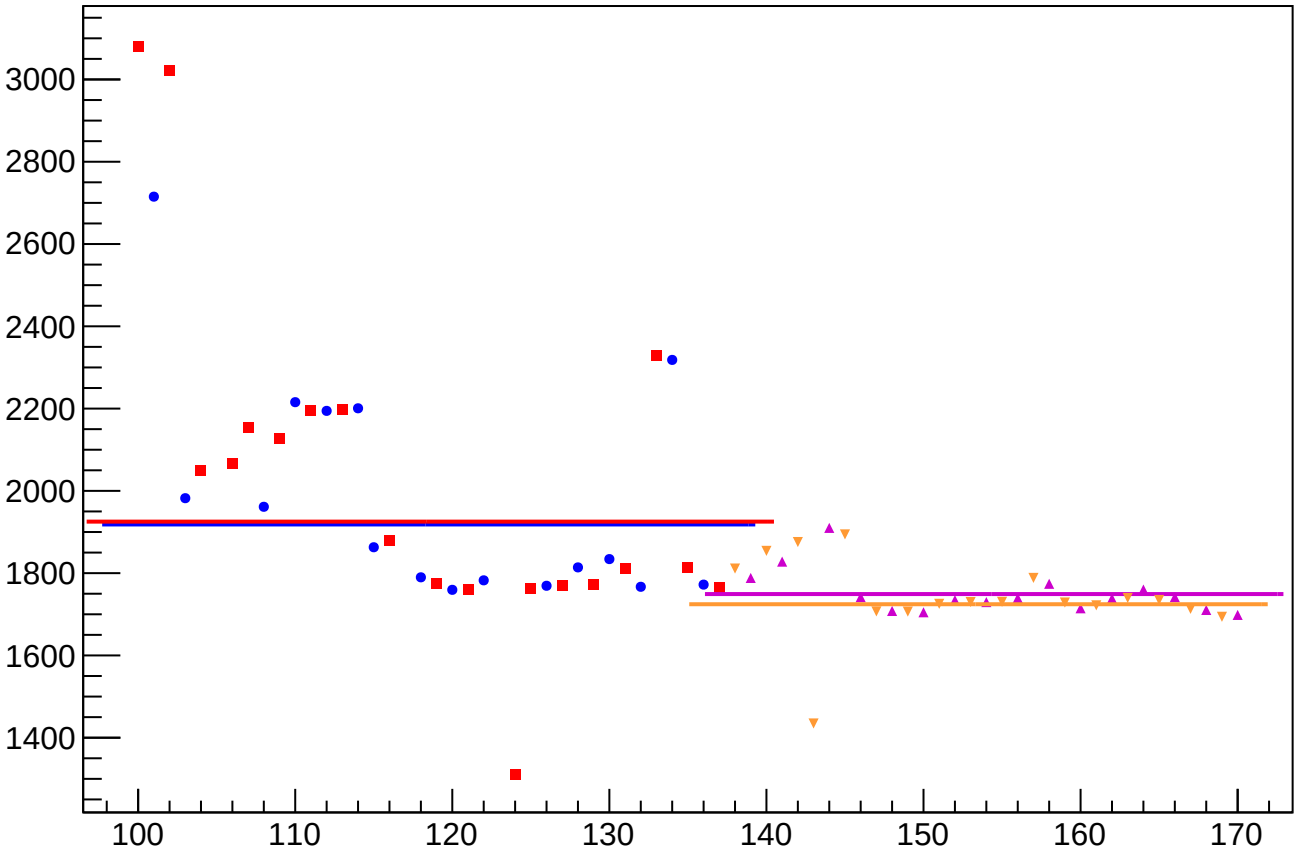
130
140
150
160
170
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 999.577+/-471.190 χ²/NDF:13.4/16
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2671.133+/-481.288 χ²/NDF:16.7/15
Left: 1817.636+/-336.695 χ²/NDF: 36.3/32
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2751.865+/-399.833 χ²/NDF:29.8/31
Out: 1267.210+/-394.586 χ²/NDF:31.8/35
All: 1999.732+/-280.851 χ²/NDF: 68.6/67



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1724.452+/-0.333 χ^2/NDF:100533.4/16

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1749.186+/-0.340 χ^2/NDF:22978.2/15

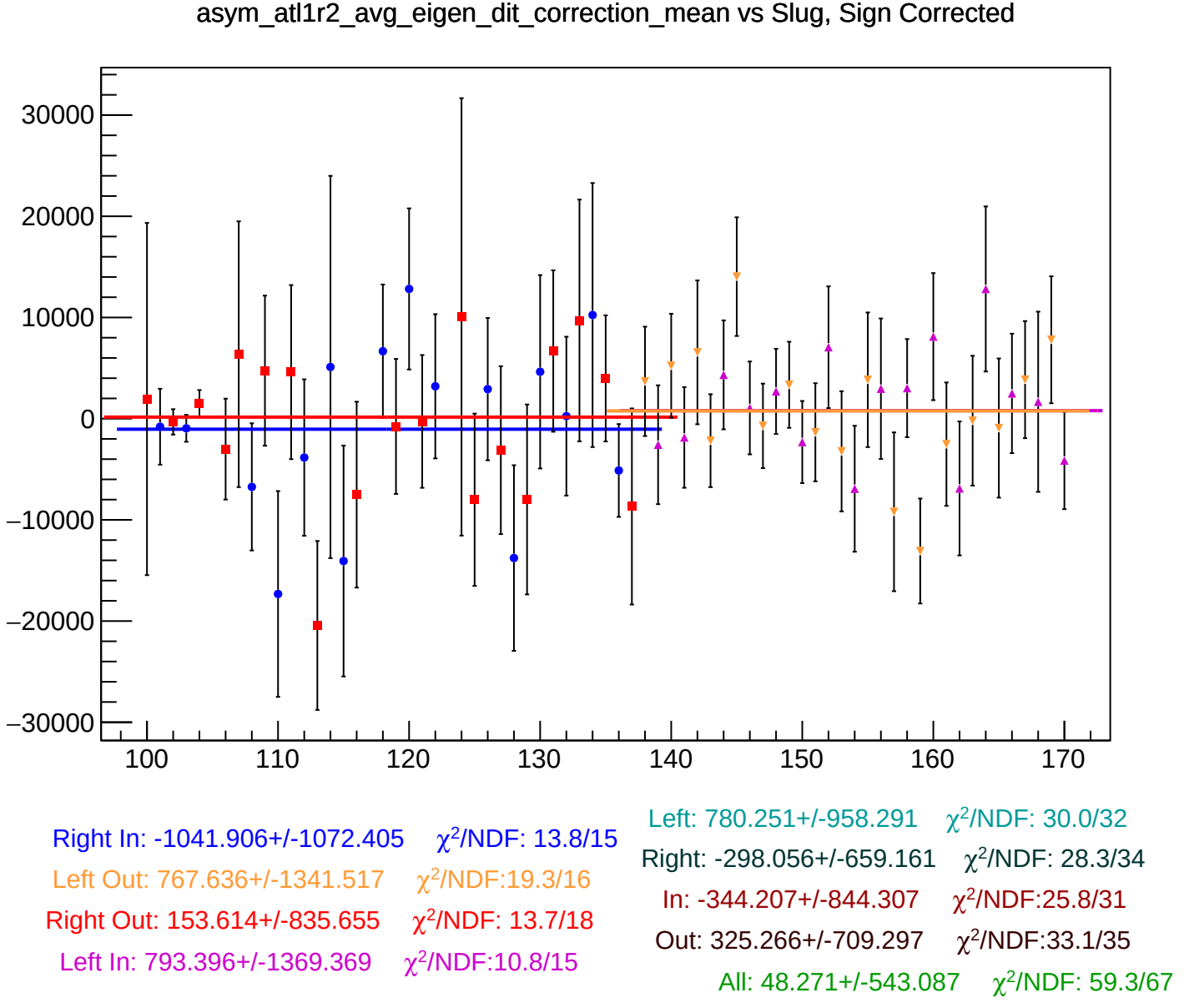
Left: 1736.557+/-0.238 χ^2/NDF: 126208.7/32

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1801.605+/-0.283 χ^2/NDF:315141.2/31

Out: 1784.506+/-0.279 χ^2/NDF:548260.4/35

All: 1792.941+/-0.199 χ^2/NDF: 865255.1/67


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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−20000
−30000
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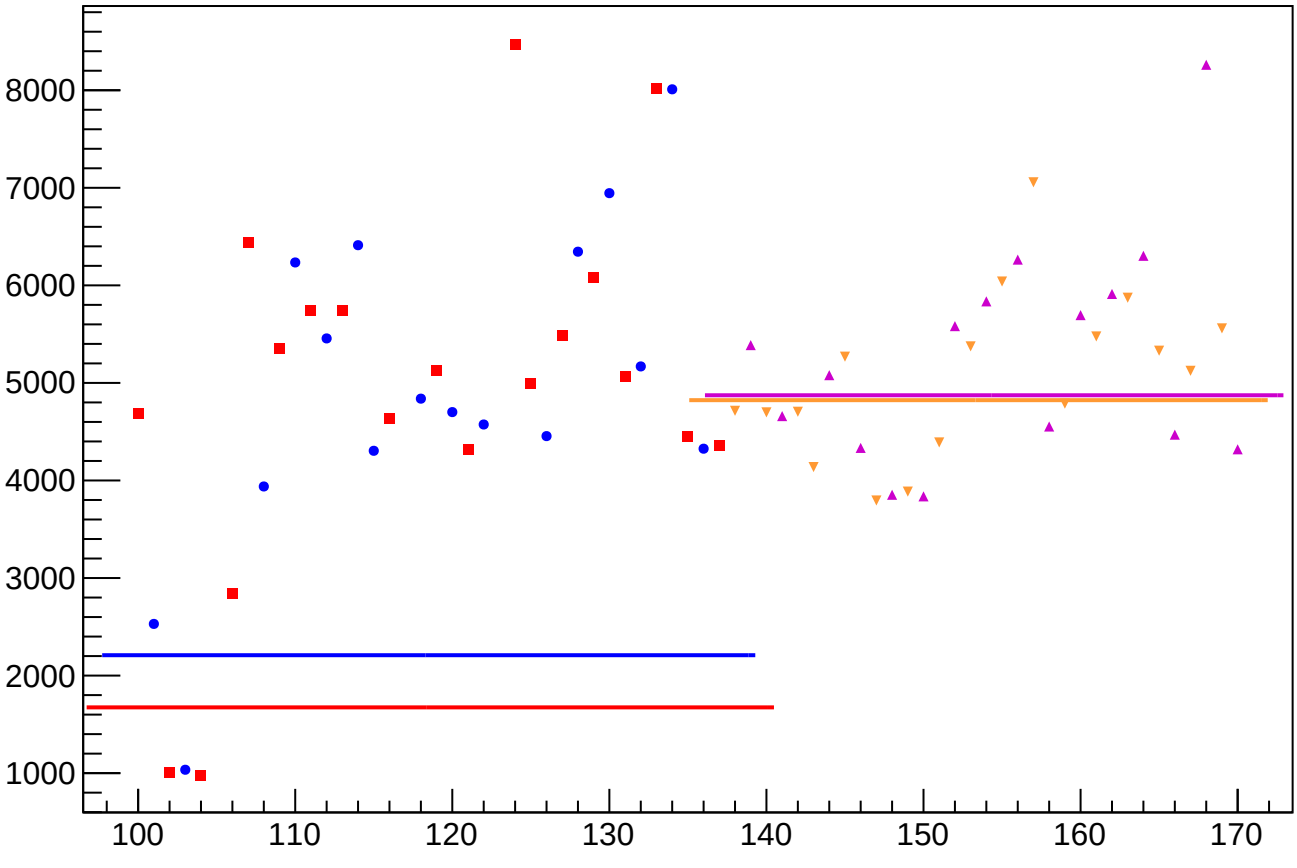
110
120
130
140
150
160
170
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 767.636+/-1341.517 χ²/NDF:19.3/16
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 793.396+/-1369.369 χ²/NDF:10.8/15
Left: 780.251+/-958.291 χ²/NDF: 30.0/32
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -344.207+/-844.307 χ²/NDF:25.8/31
Out: 325.266+/-709.297 χ²/NDF:33.1/35
All: 48.271+/-543.087 χ²/NDF: 59.3/67



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4823.196+/-0.949 χ^2/NDF:659637.2/16

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4873.477+/-0.968 χ^2/NDF:932558.6/15

Left: 4847.820+/-0.678 χ^2/NDF: 1593571.7/32

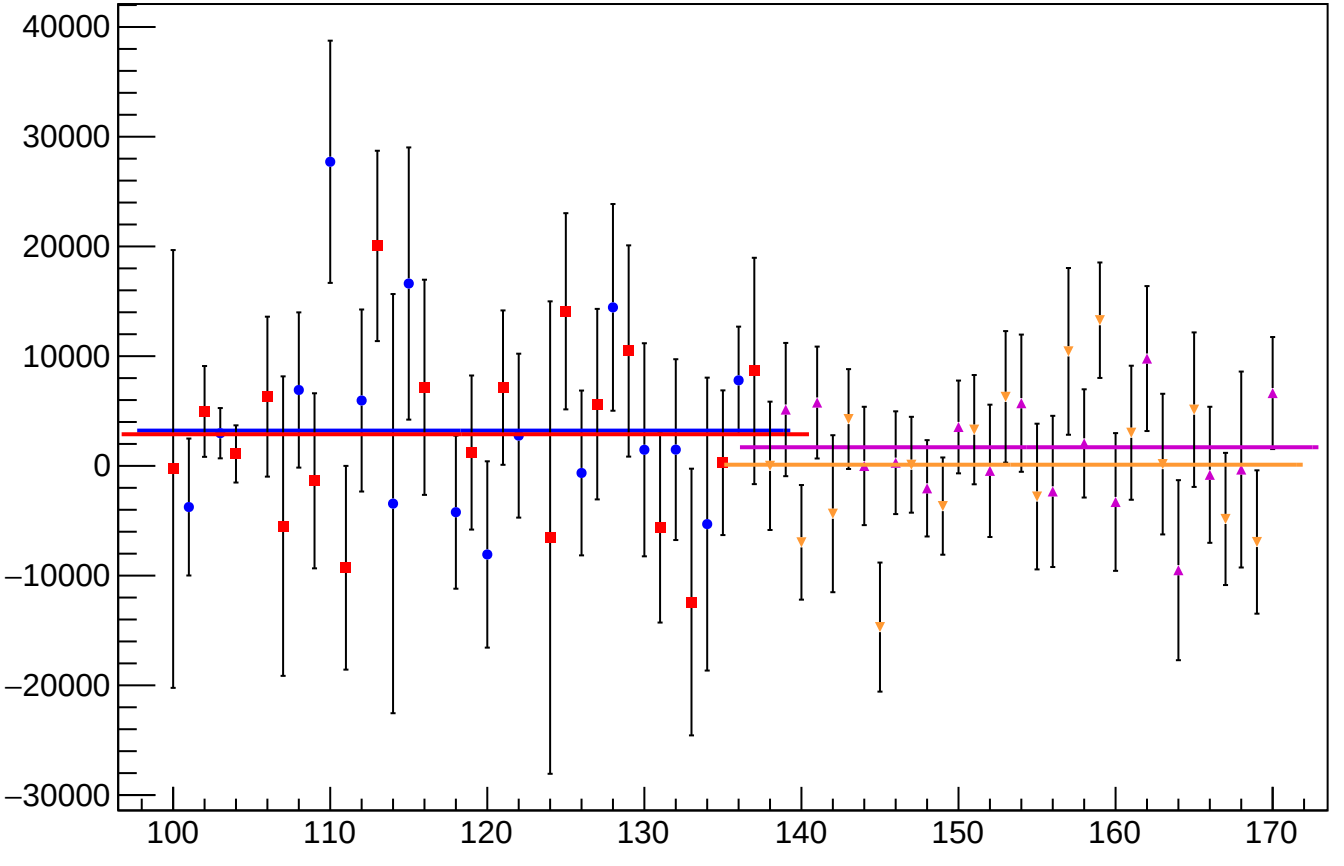
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3221.858+/-0.597 χ^2/NDF:11125369.2/31

Out: 2554.483+/-0.502 χ^2/NDF:15452363.5/35

All: 2830.609+/-0.384 χ^2/NDF: 27310308.0/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 107.737+/-1370.362 χ^2/NDF:22.5/16

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1699.412+/-1402.093 χ^2/NDF:8.1/15

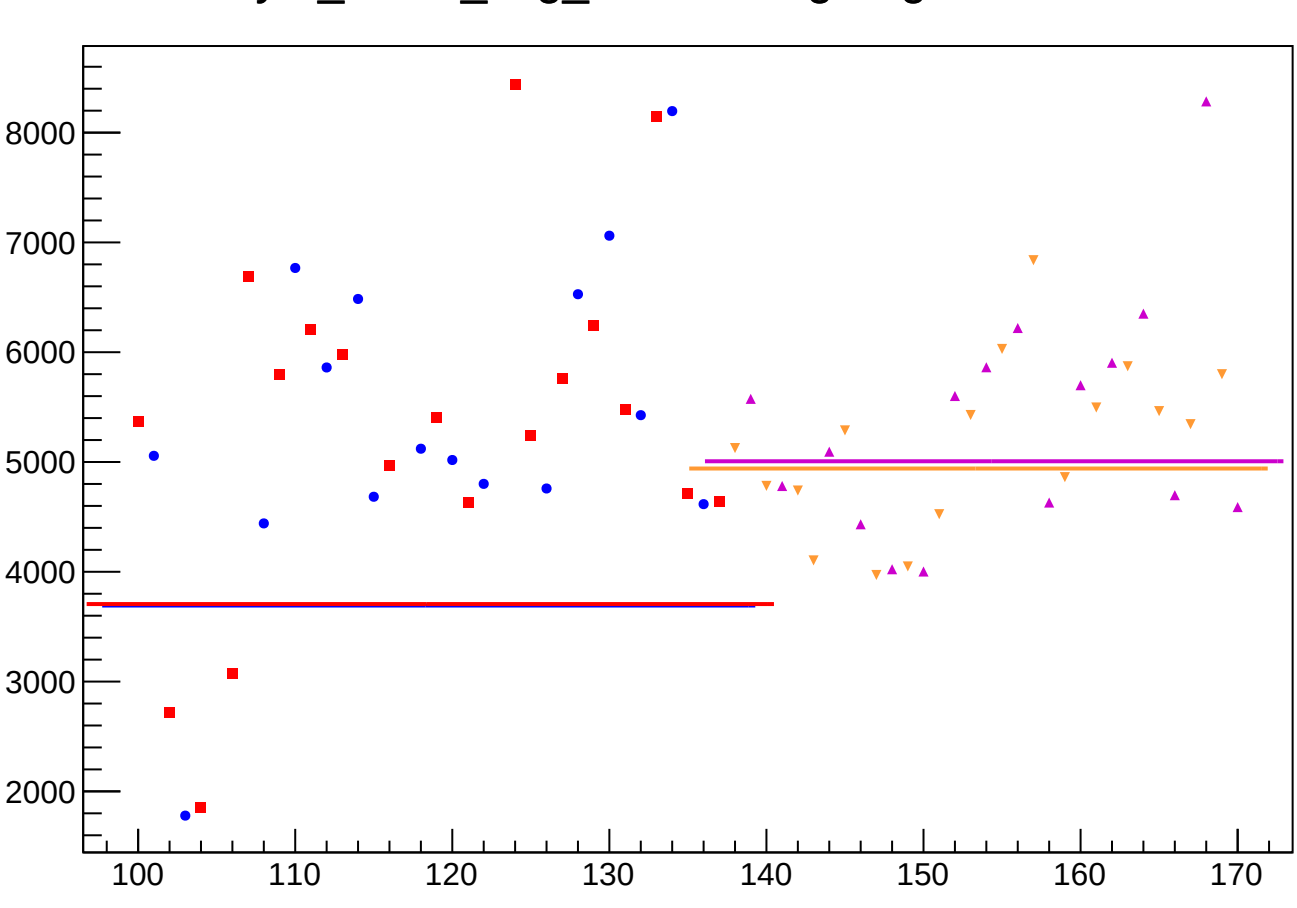
Left: 885.360+/-980.018 χ^2/NDF: 31.2/32

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2386.995+/-1036.538 χ^2/NDF:22.4/31

Out: 1323.612+/-1027.272 χ^2/NDF:37.7/35

All: 1850.530+/-729.645 χ^2/NDF: 60.6/67



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4940.606+/-0.969 χ^2/NDF:579154.3/16

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5006.686+/-0.991 χ^2/NDF:798555.7/15

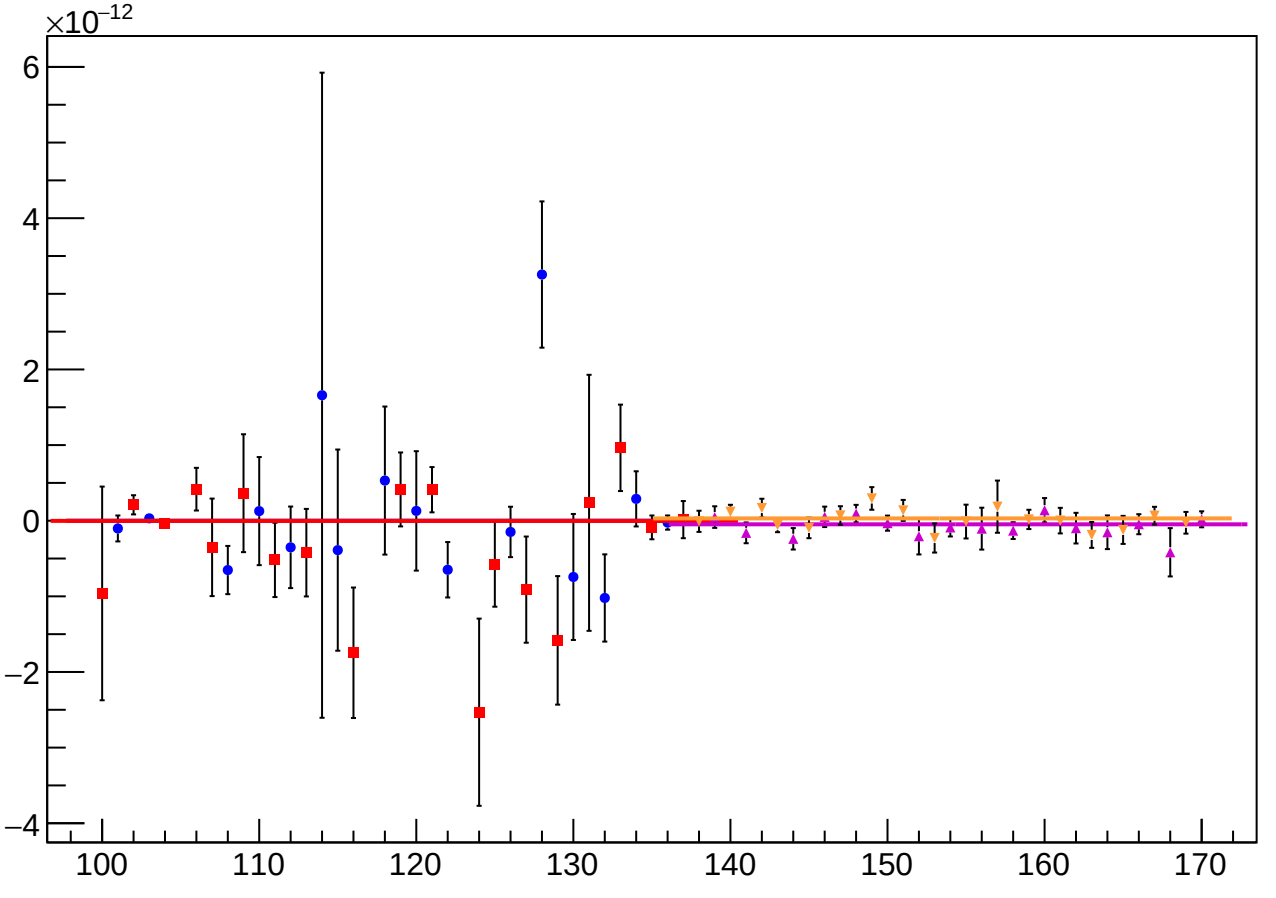
Left: 4972.890+/-0.693 χ^2/NDF: 1379982.0/32

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4410.889+/-0.733 χ^2/NDF:4480605.9/31

Out: 4393.722+/-0.723 χ^2/NDF:3982725.1/35

All: 4402.191+/-0.515 χ^2/NDF: 8463609.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/15

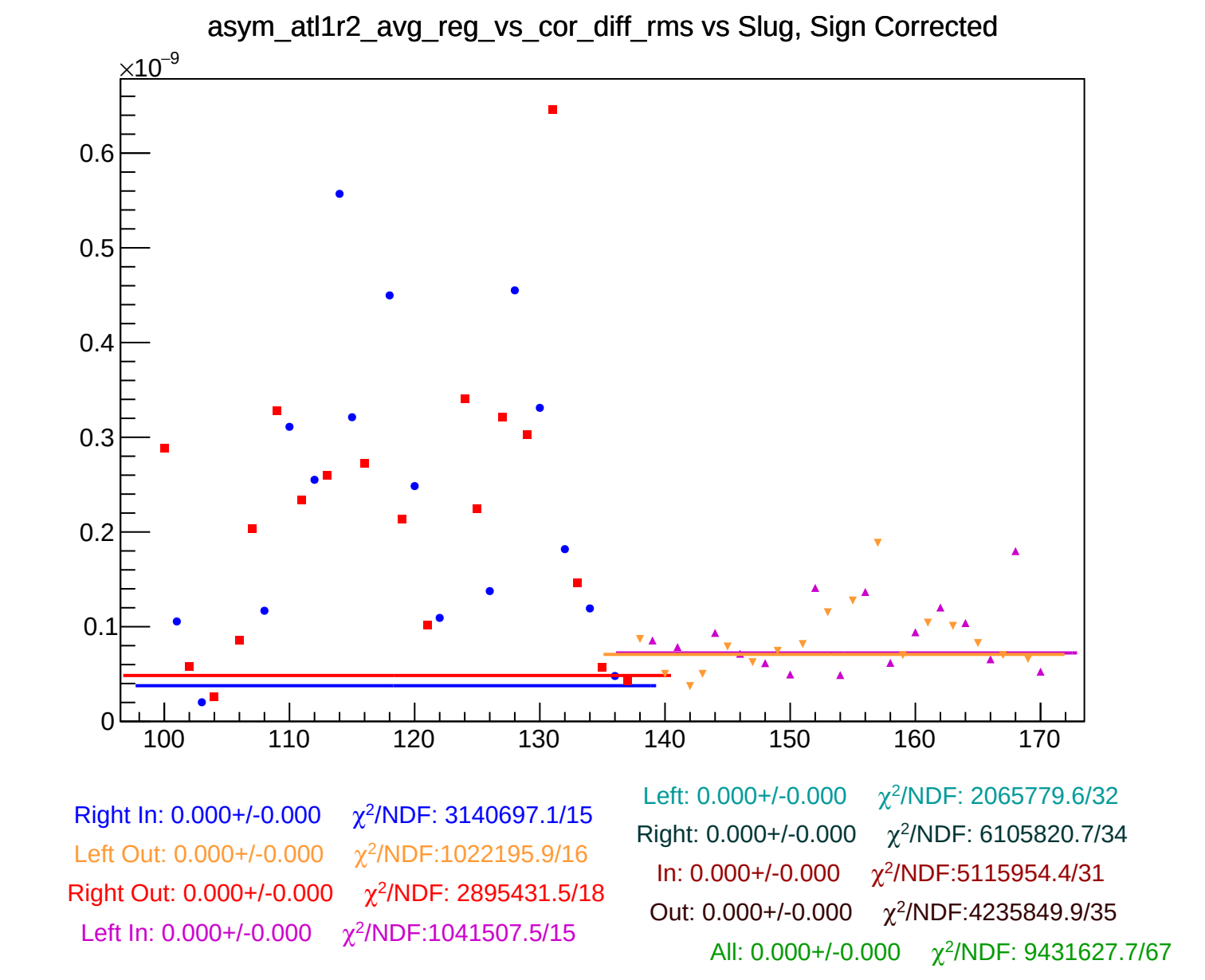
Left: -0.000+/-0.000 χ^2/NDF: 24.5/32

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

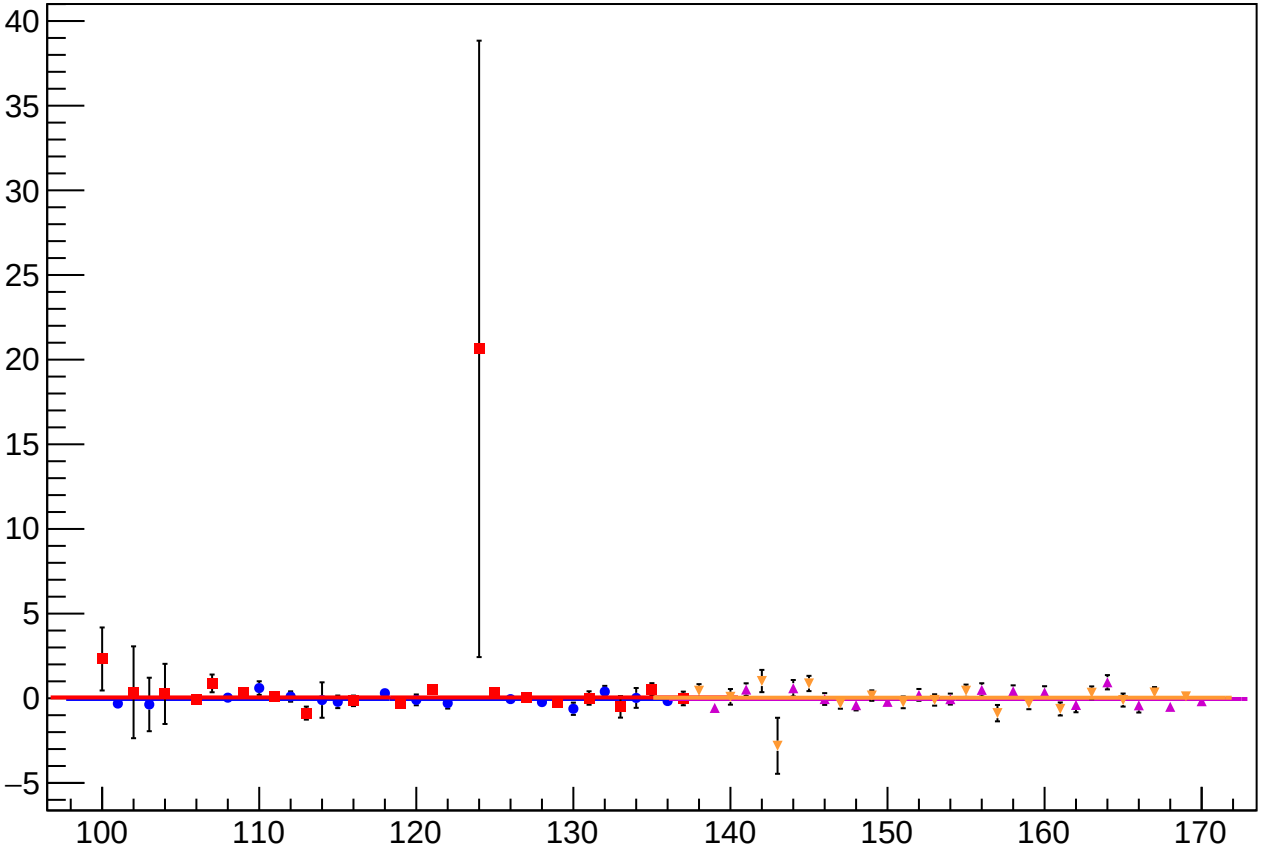
In: -0.000+/-0.000 χ^2/NDF:35.8/31

Out: 0.000+/-0.000 χ^2/NDF:41.0/35

All: -0.000+/-0.000 χ^2/NDF: 78.2/67


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1022195.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1041507.5/15
Left: 0.000+/-0.000 χ²/NDF: 2065779.6/32
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:5115954.4/31
Out: 0.000+/-0.000 χ²/NDF:4235849.9/35
All: 0.000+/-0.000 χ²/NDF: 9431627.7/67

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: 0.033+/-0.088 χ^2/NDF:22.5/16

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.043+/-0.084 χ^2/NDF:24.3/15

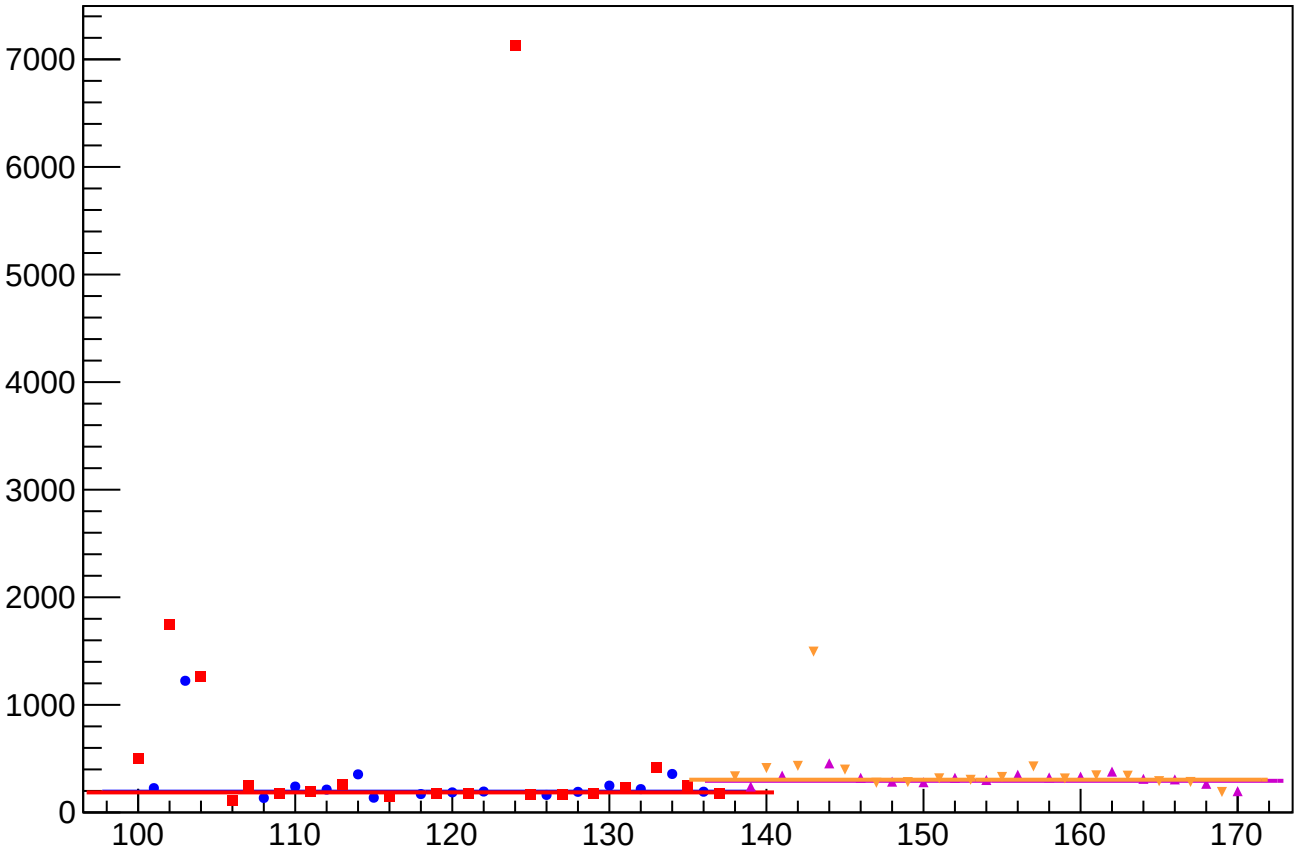
Left: -0.007+/-0.061 χ^2/NDF: 47.3/32

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.042+/-0.059 χ^2/NDF:45.6/35

All: -0.001+/-0.041 χ^2/NDF: 82.7/67



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 304.447+/-0.062 χ^2/NDF:2114991.5/16

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 294.029+/-0.059 χ^2/NDF:916324.6/15

Left: 298.989+/-0.043 χ^2/NDF: 3046049.0/32

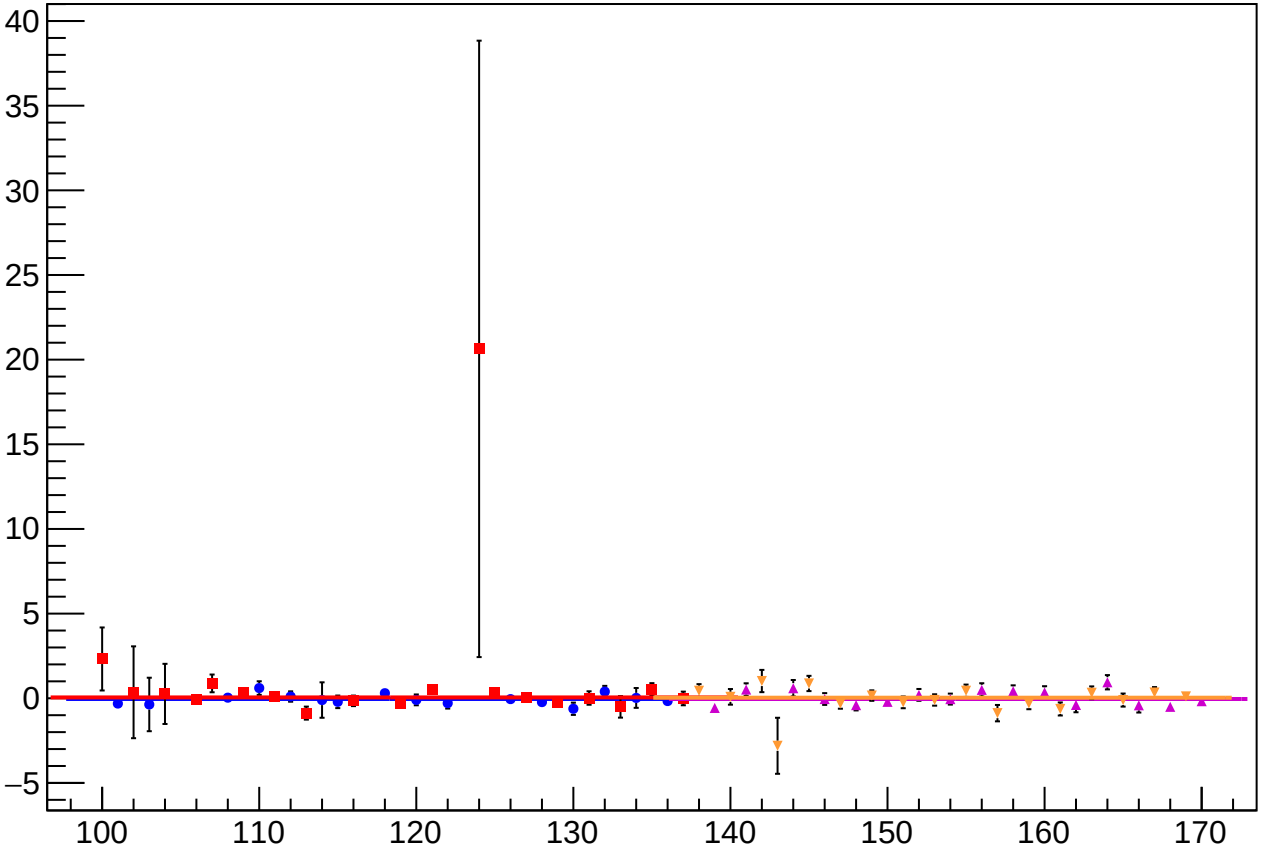
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.902+/-0.040 χ^2/NDF:3880119.9/31

Out: 239.013+/-0.041 χ^2/NDF:6596149.8/35

All: 239.470+/-0.029 χ^2/NDF: 10476505.9/67

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: 0.033+/-0.088 χ^2/NDF:22.5/16

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.007+/-0.061 χ^2/NDF: 47.3/32

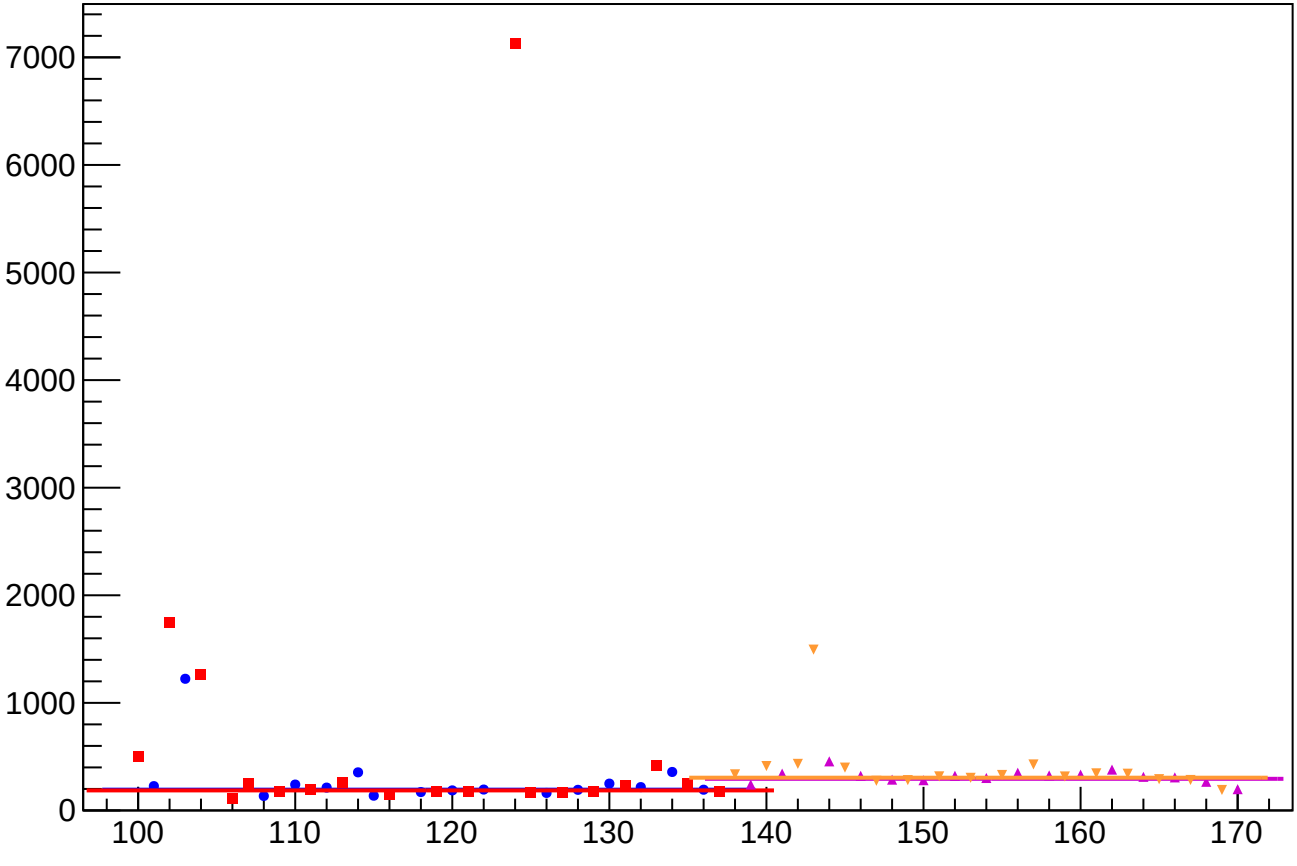
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.042+/-0.059 χ^2/NDF:45.6/35

All: -0.001+/-0.041 χ^2/NDF: 82.7/67

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: 304.447+/-0.062 χ^2/NDF:2114991.5/16

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 294.029+/-0.059 χ^2/NDF:916324.6/15

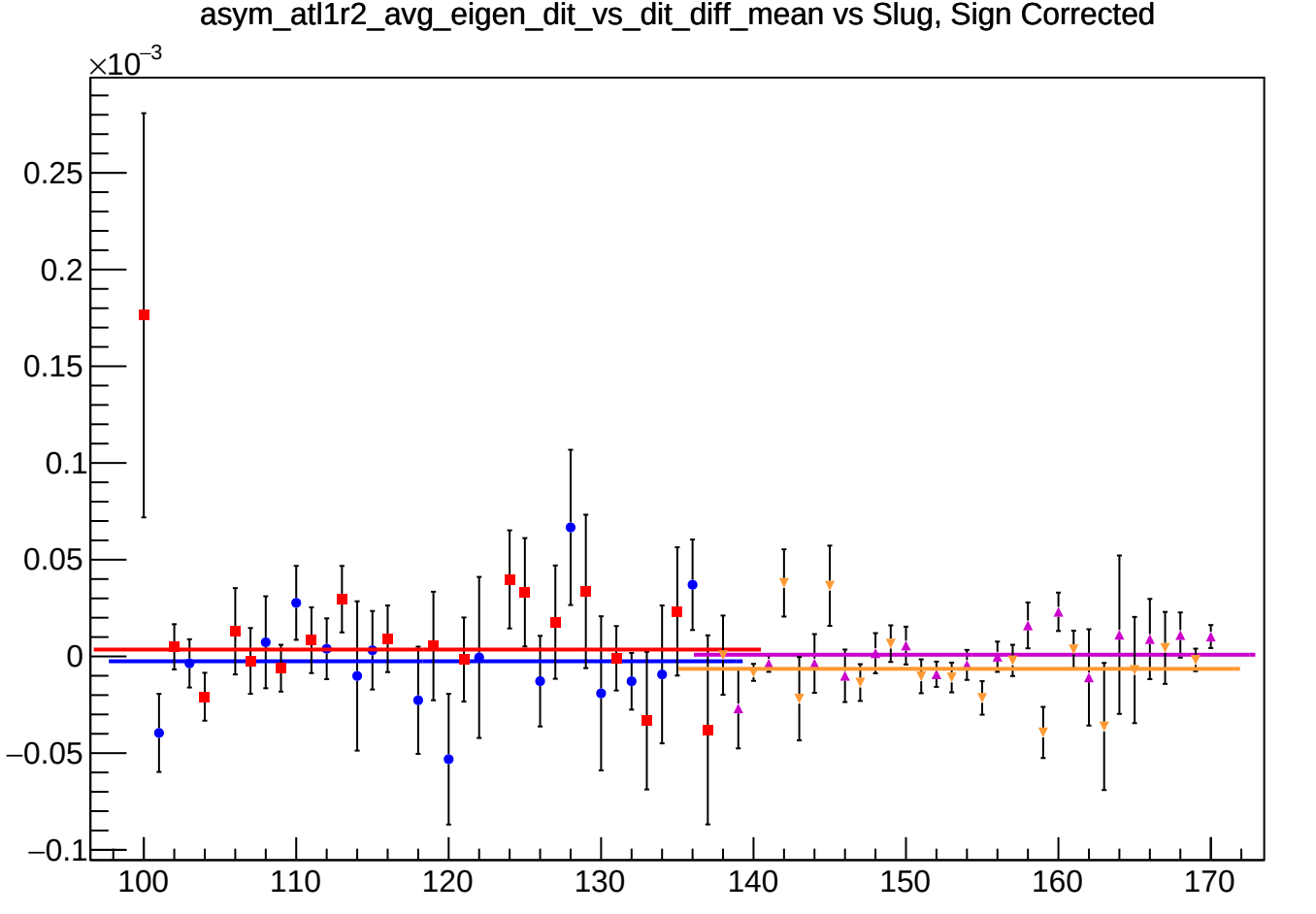
Left: 298.989+/-0.043 χ^2/NDF: 3046049.0/32

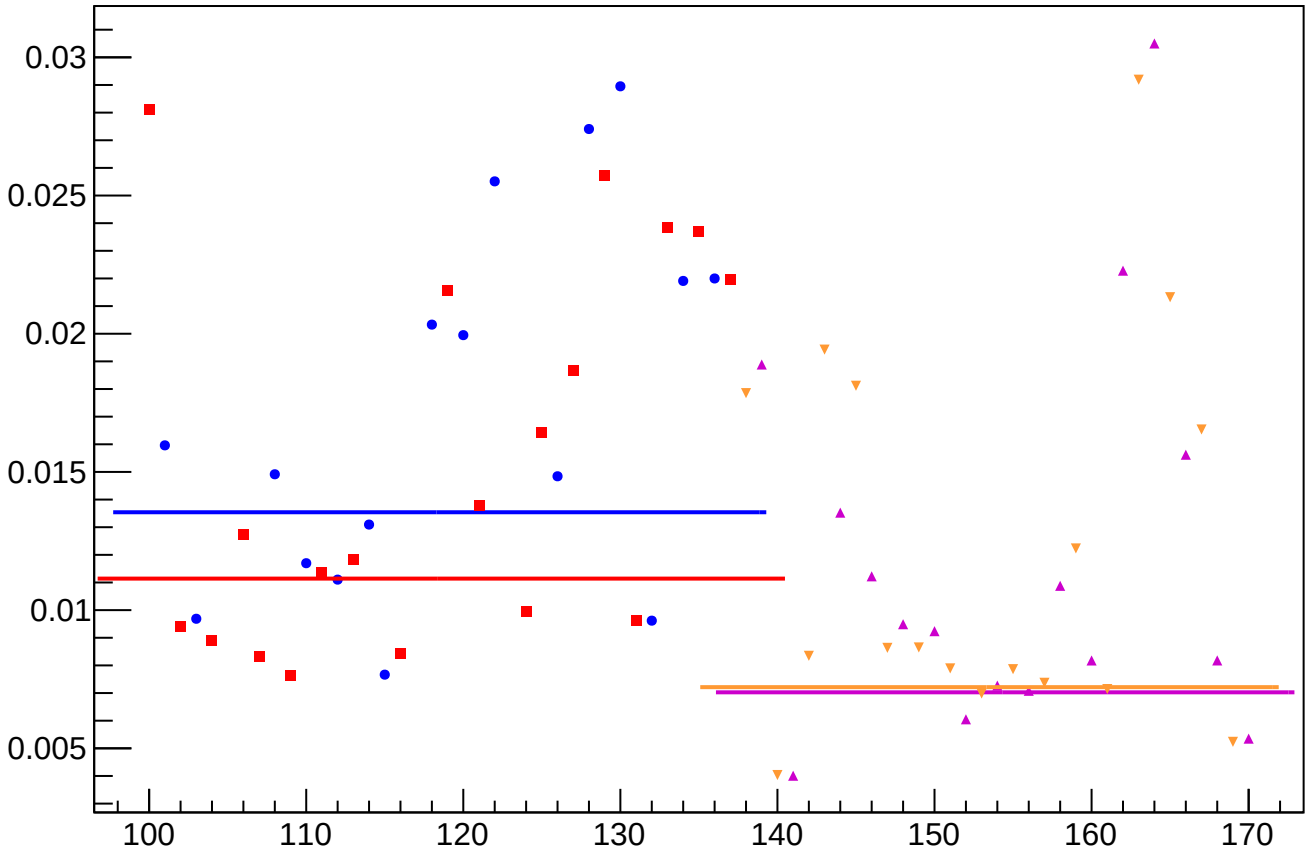
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.902+/-0.040 χ^2/NDF:3880119.9/31

Out: 239.013+/-0.041 χ^2/NDF:6596149.8/35

All: 239.470+/-0.029 χ^2/NDF: 10476505.9/67


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:27.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: 0.000+/-0.000 χ²/NDF:17.1/15
Left: -0.000+/-0.000 χ²/NDF: 49.3/32
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: 0.000+/-0.000 χ²/NDF:33.3/31
Out: -0.000+/-0.000 χ²/NDF:47.2/35
All: -0.000+/-0.000 χ²/NDF: 83.2/67



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5350058.4/16

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4646949.6/15

Left: 0.007+/-0.000 χ^2/NDF: 10003898.2/32

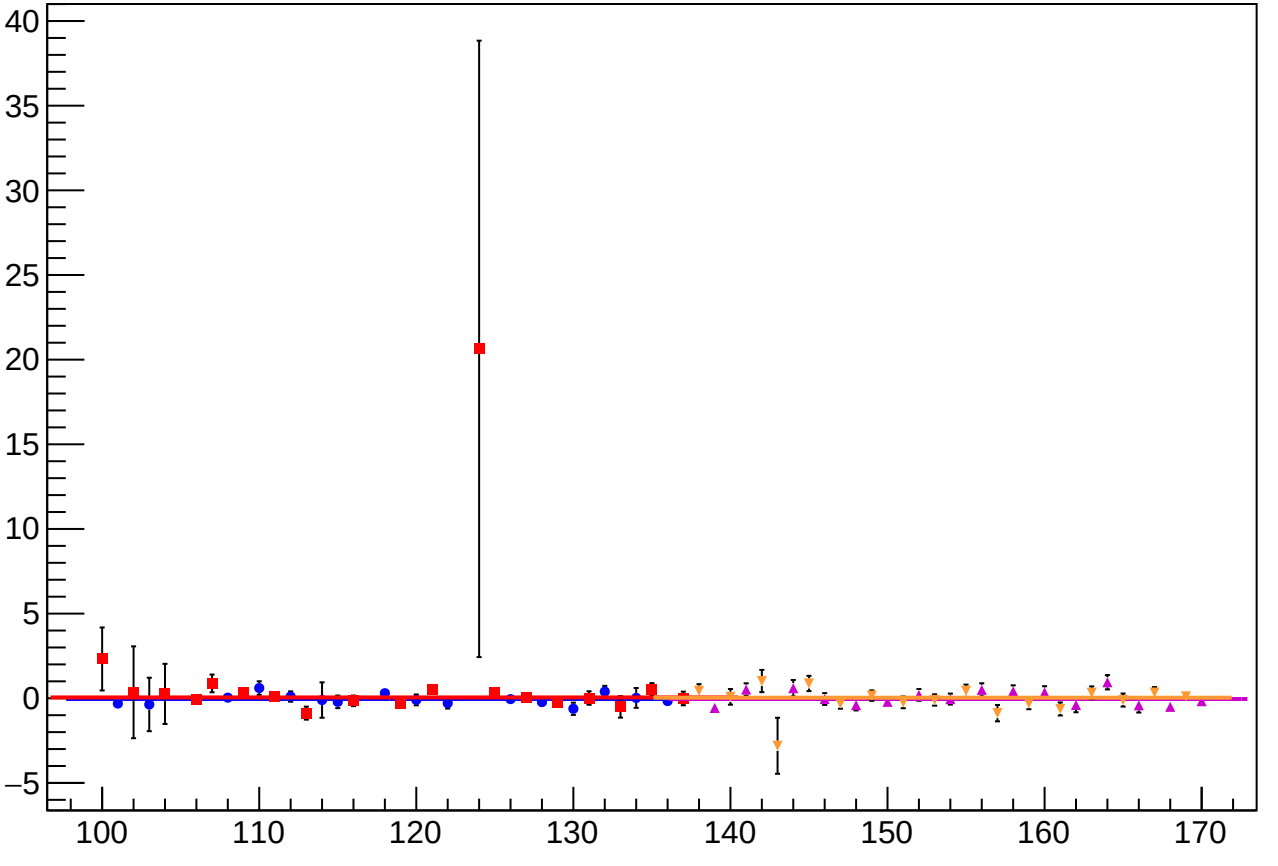
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8969755.6/31

Out: 0.008+/-0.000 χ^2/NDF:8467584.6/35

All: 0.008+/-0.000 χ^2/NDF: 17438208.3/67

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: 0.033+/-0.088 χ^2/NDF:22.5/16

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.007+/-0.061 χ^2/NDF: 47.3/32

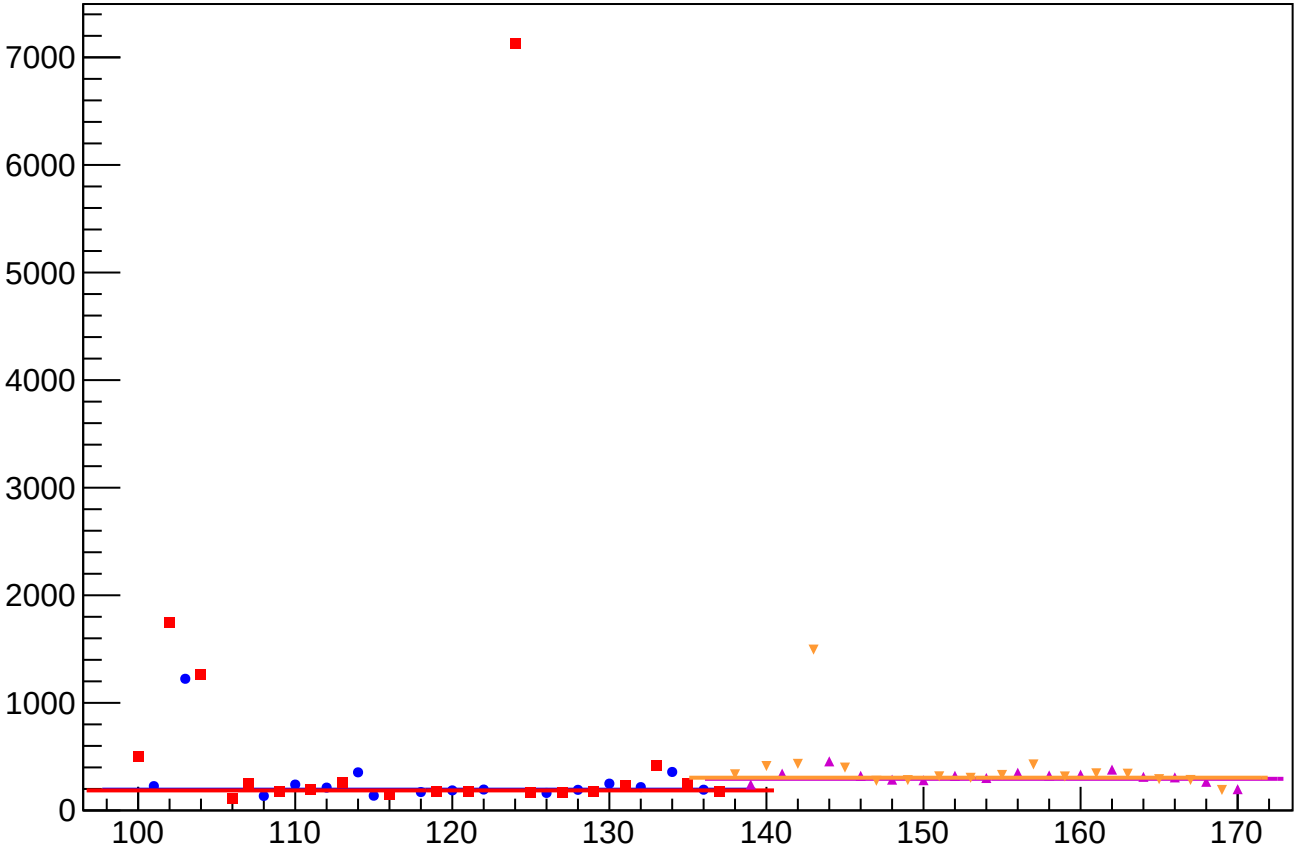
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.042+/-0.059 χ^2/NDF:45.6/35

All: -0.001+/-0.041 χ^2/NDF: 82.7/67

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: 304.450+/-0.062 χ^2/NDF:2115032.1/16

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 294.033+/-0.059 χ^2/NDF:916354.0/15

Left: 298.993+/-0.043 χ^2/NDF: 3046117.8/32

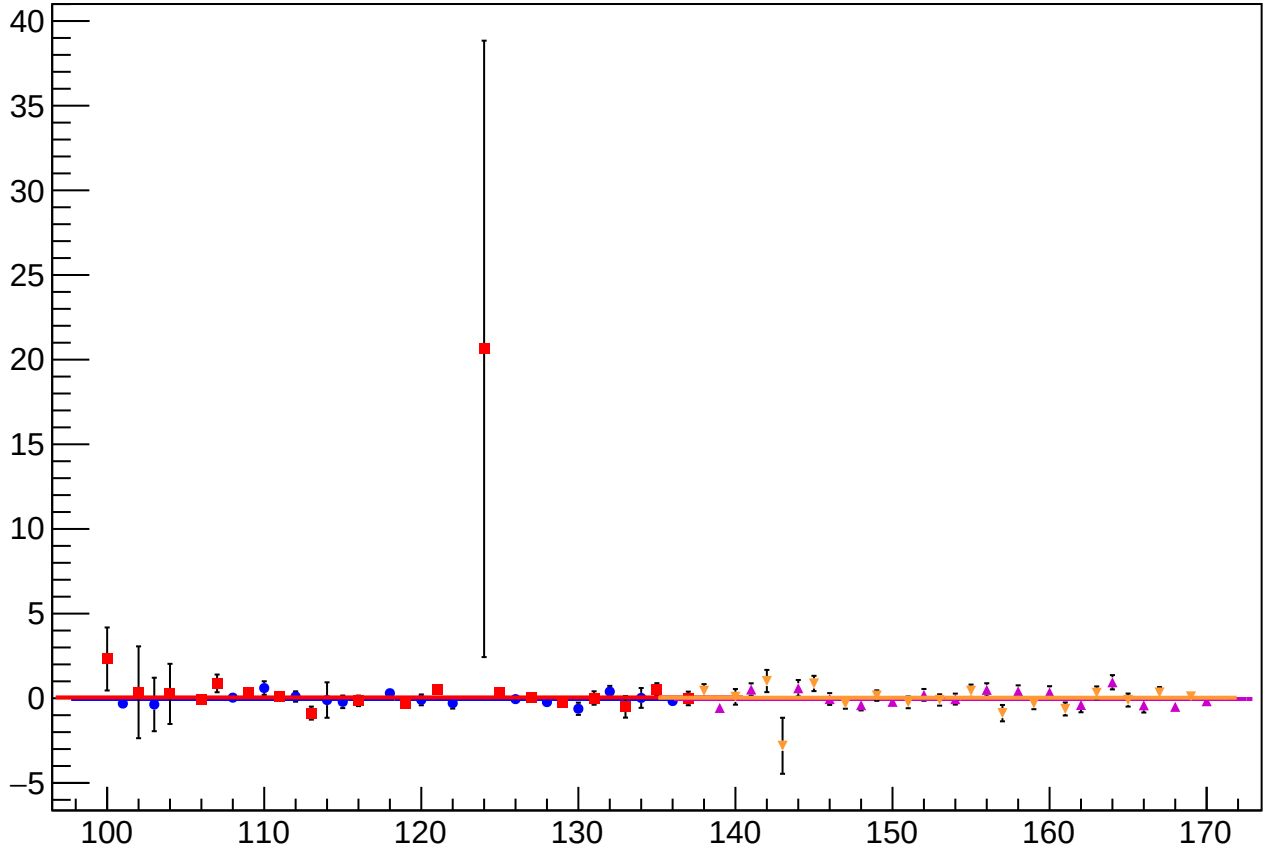
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.902+/-0.040 χ^2/NDF:3880291.8/31

Out: 239.012+/-0.041 χ^2/NDF:6596402.0/35

All: 239.470+/-0.029 χ^2/NDF: 10476930.5/67

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: 0.033+/-0.088 χ^2/NDF:22.5/16

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.007+/-0.061 χ^2/NDF: 47.3/32

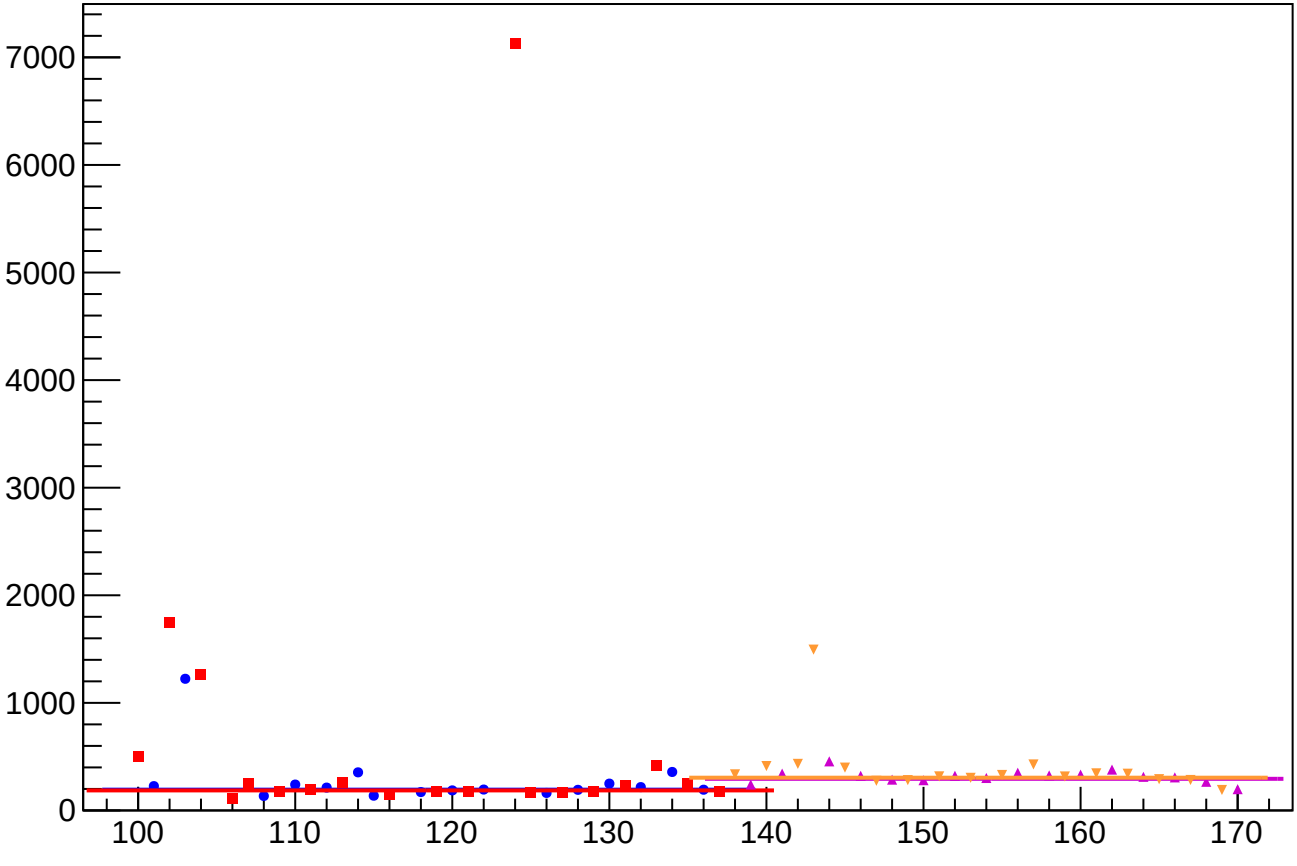
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.042+/-0.059 χ^2/NDF:45.6/35

All: -0.001+/-0.041 χ^2/NDF: 82.7/67

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: 304.450+/-0.062 χ^2/NDF:2115032.1/16

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 294.033+/-0.059 χ^2/NDF:916354.0/15

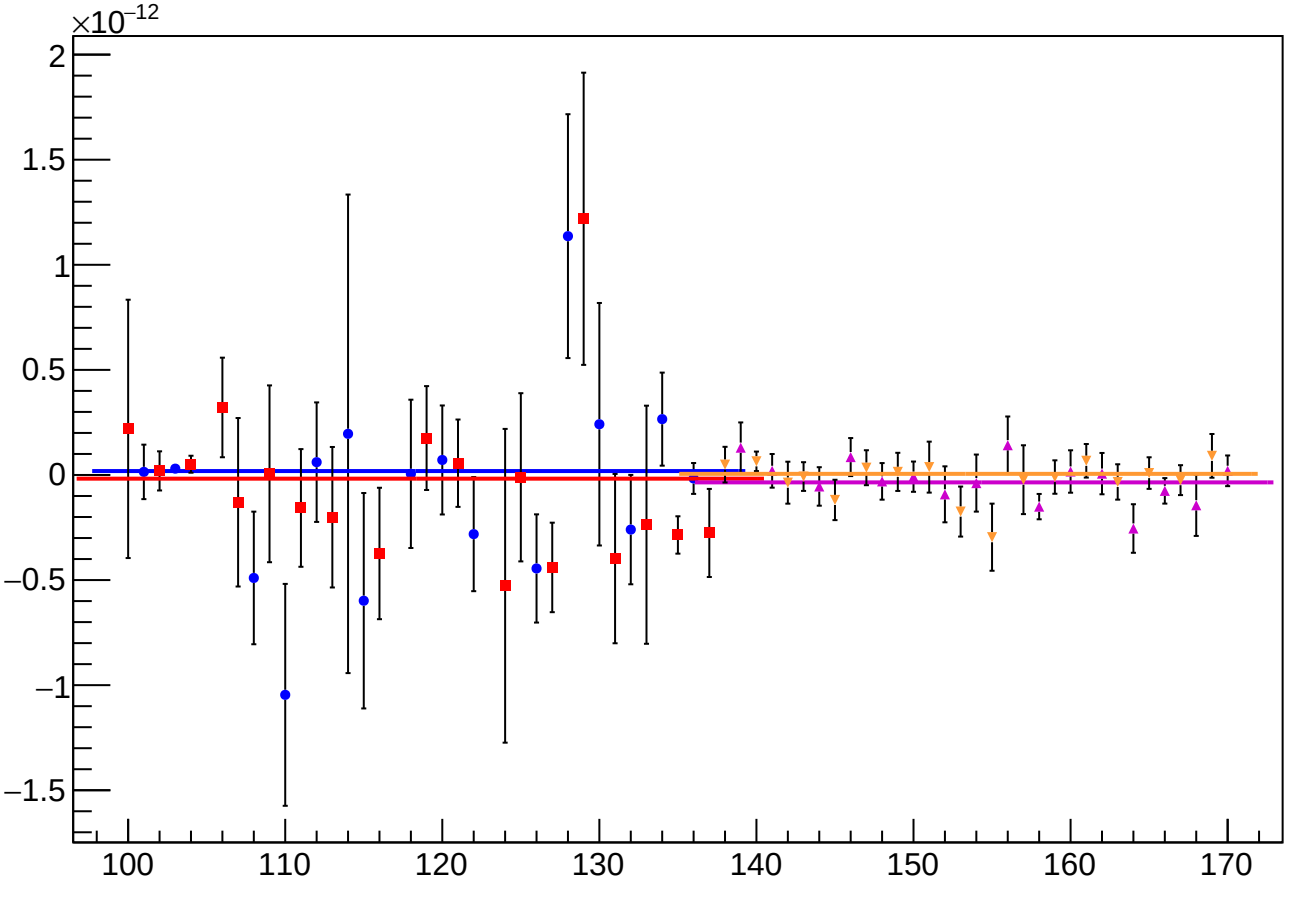
Left: 298.993+/-0.043 χ^2/NDF: 3046117.8/32

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.902+/-0.040 χ^2/NDF:3880291.8/31

Out: 239.012+/-0.041 χ^2/NDF:6596402.0/35

All: 239.470+/-0.029 χ^2/NDF: 10476930.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/15

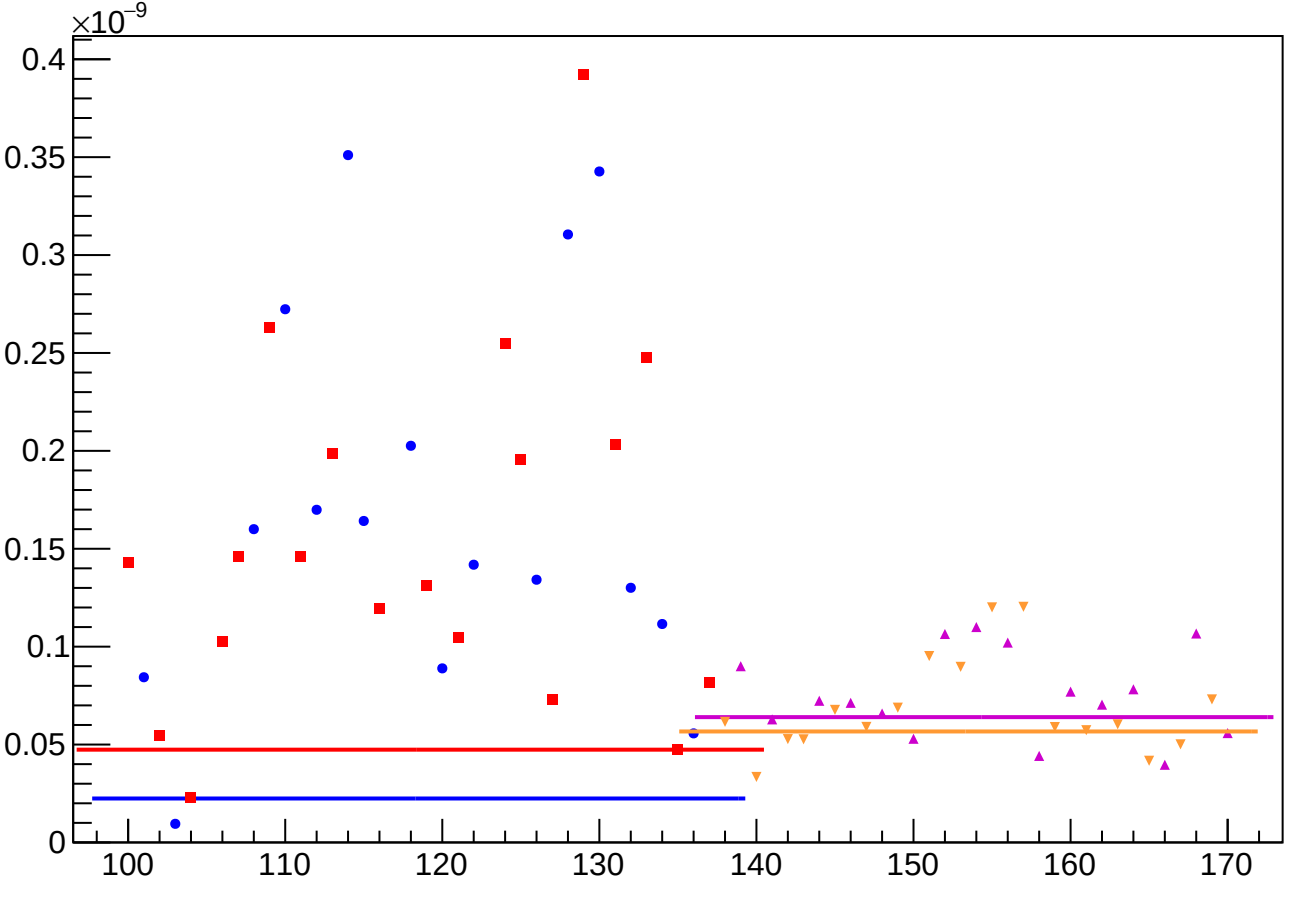
Left: -0.000+/-0.000 χ^2/NDF: 28.9/32

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.0/31

Out: -0.000+/-0.000 χ^2/NDF:39.1/35

All: -0.000+/-0.000 χ^2/NDF: 77.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1706333.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1565523.8/15

Left: 0.000+/-0.000 χ^2/NDF: 3389977.0/32

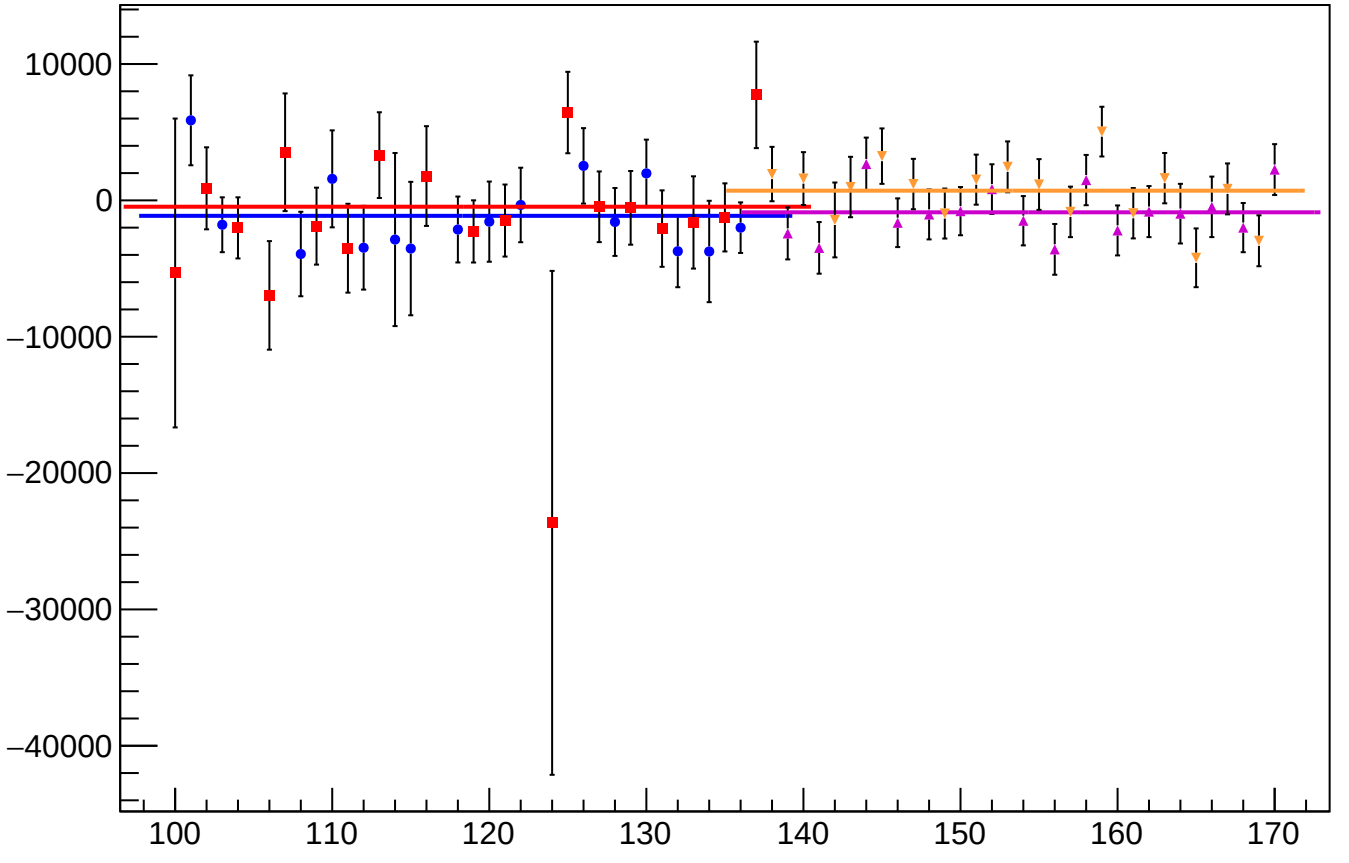
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11726231.1/31

Out: 0.000+/-0.000 χ^2/NDF:6067092.3/35

All: 0.000+/-0.000 χ^2/NDF: 18380226.3/67

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 710.447+/-470.010 χ^2/NDF:21.3/16

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -875.487+/-469.832 χ^2/NDF:14.6/15

Left: -82.820+/-332.284 χ^2/NDF: 41.6/32

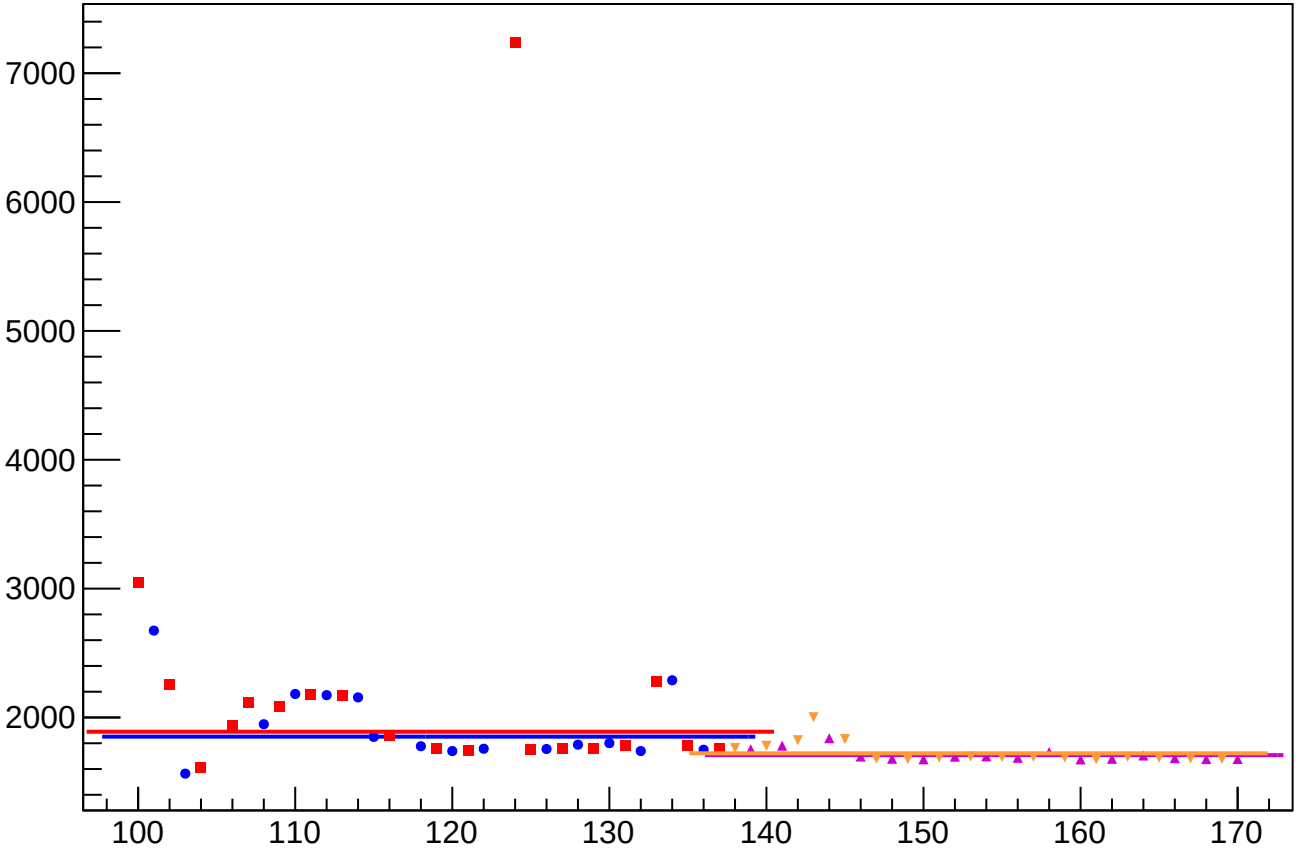
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -956.965+/-389.021 χ^2/NDF:27.0/31

Out: 349.258+/-391.227 χ^2/NDF:43.2/35

All: -307.545+/-275.856 χ^2/NDF: 75.8/67

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1721.876+/-0.332 χ^2/NDF:52253.9/16

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

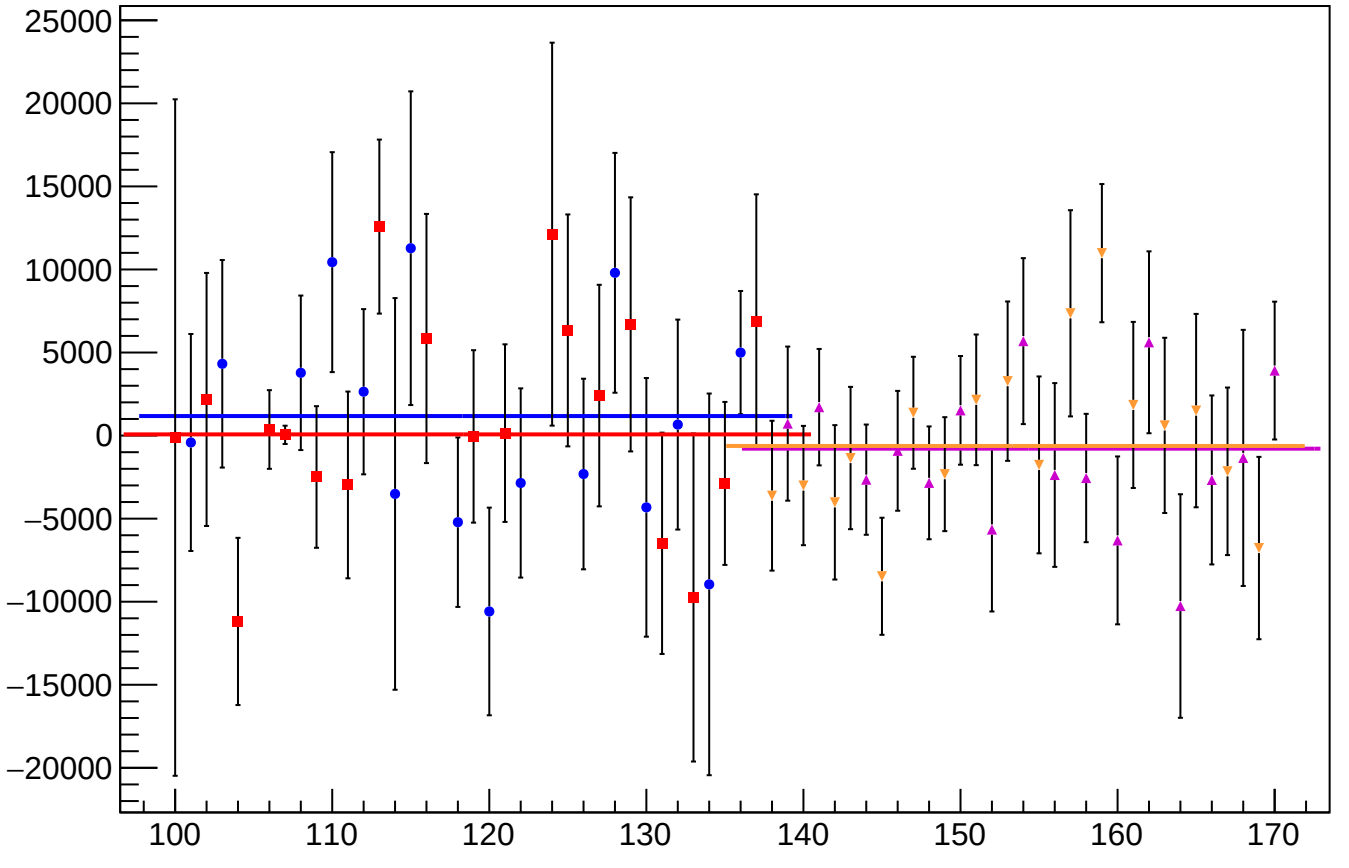
Left: 1714.852+/-0.235 χ^2/NDF: 70913.2/32

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1752.889+/-0.275 χ^2/NDF:336242.4/31

Out: 1773.534+/-0.276 χ^2/NDF:489565.5/35

All: 1763.160+/-0.195 χ^2/NDF: 828610.5/67



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -624.206+/-1062.257 χ^2/NDF:19.4/16

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -787.809+/-1075.328 χ^2/NDF:10.7/15

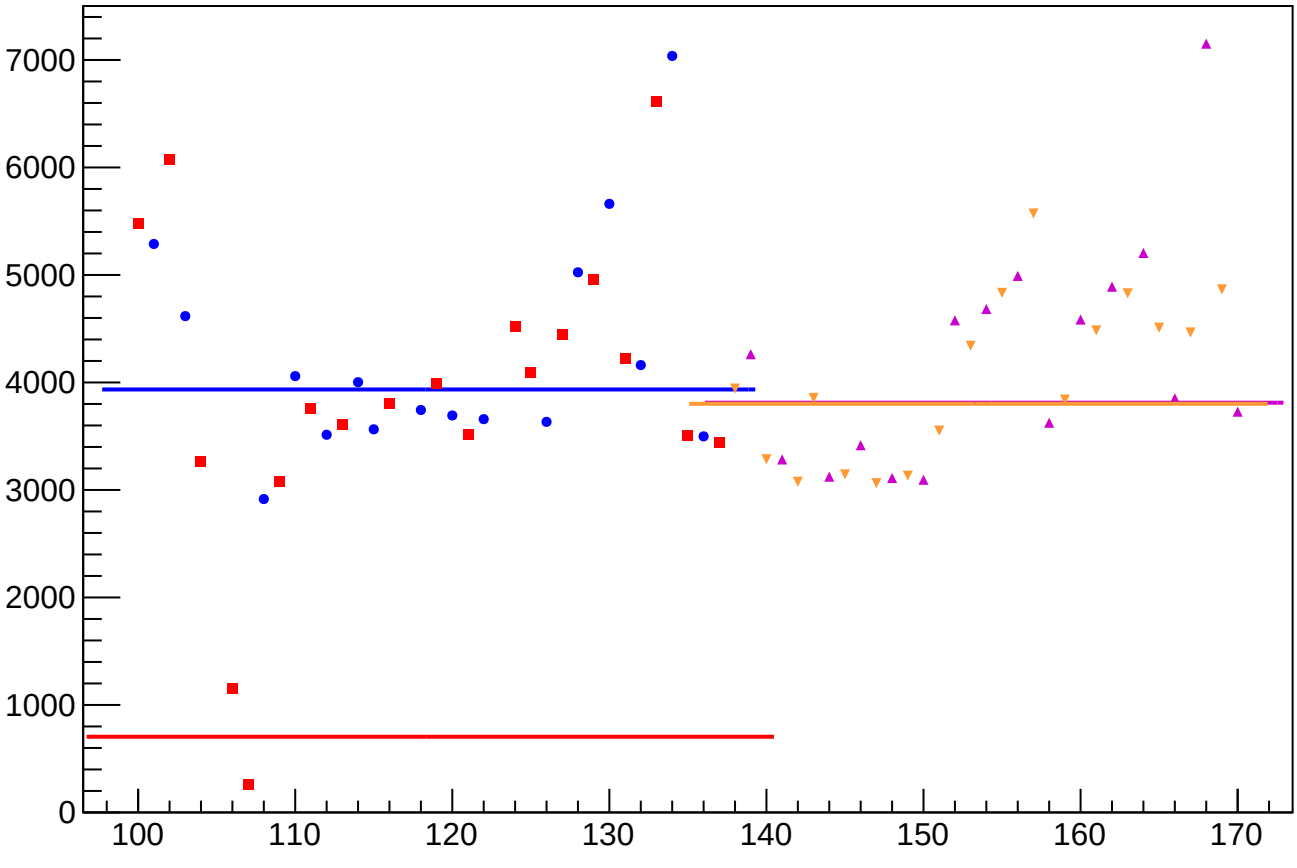
Left: -705.008+/-755.708 χ^2/NDF: 30.1/32

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -122.606+/-874.375 χ^2/NDF:25.6/31

Out: -56.074+/-456.594 χ^2/NDF:37.7/35

All: -70.329+/-404.734 χ^2/NDF: 63.3/67



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3801.637+/-0.751 χ^2/NDF:857932.6/16

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3811.735+/-0.760 χ^2/NDF:1146818.9/15

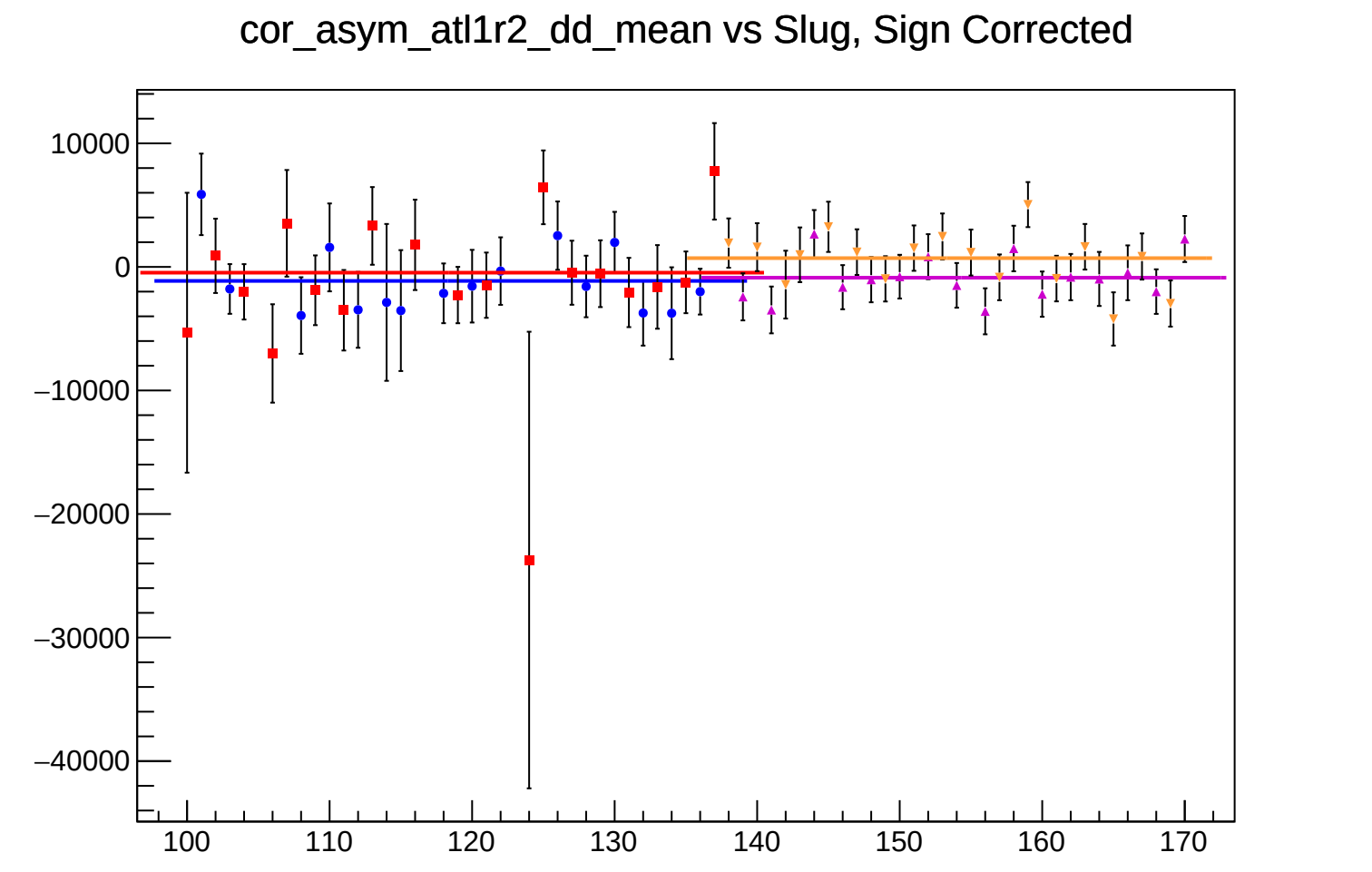
Left: 3806.624+/-0.534 χ^2/NDF: 2004840.7/32

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3853.405+/-0.618 χ^2/NDF:1715808.3/31

Out: 1276.625+/-0.323 χ^2/NDF:25338089.5/35

All: 1828.730+/-0.286 χ^2/NDF: 40701851.3/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 710.527+/-470.010 χ^2/NDF:21.3/16

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -875.425+/-469.832 χ^2/NDF:14.6/15

Left: -82.749+/-332.284 χ^2/NDF: 41.6/32

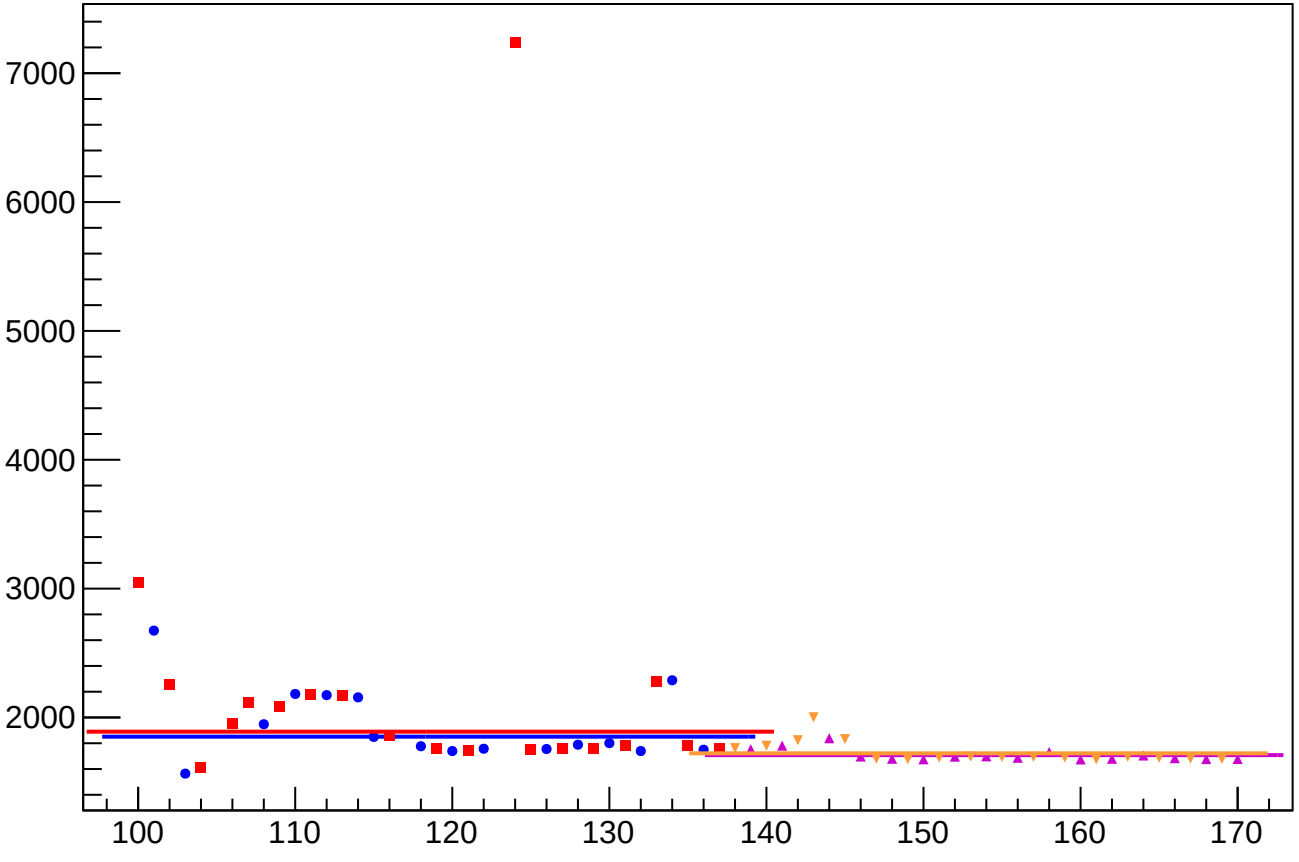
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -956.788+/-389.022 χ^2/NDF:27.0/31

Out: 349.198+/-391.227 χ^2/NDF:43.3/35

All: -307.487+/-275.856 χ^2/NDF: 75.8/67

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1721.876+/-0.332 χ^2/NDF:52253.9/16

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

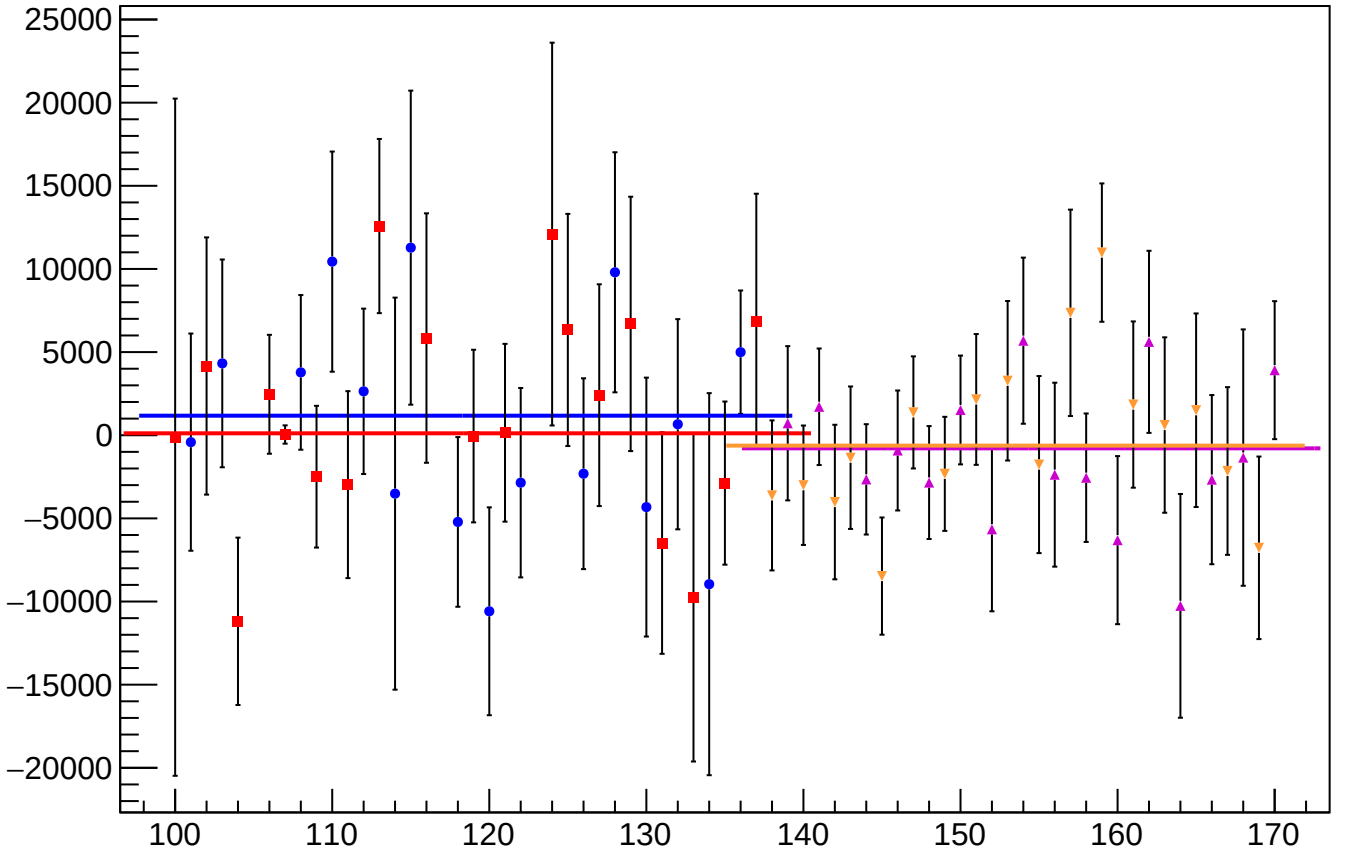
Left: 1714.853+/-0.235 χ^2/NDF: 70913.2/32

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1752.889+/-0.275 χ^2/NDF:336241.9/31

Out: 1773.659+/-0.276 χ^2/NDF:490189.7/35

All: 1763.222+/-0.195 χ^2/NDF: 829268.0/67



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -624.193+/-1062.254 χ^2/NDF:19.4/16

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -787.817+/-1075.327 χ^2/NDF:10.7/15

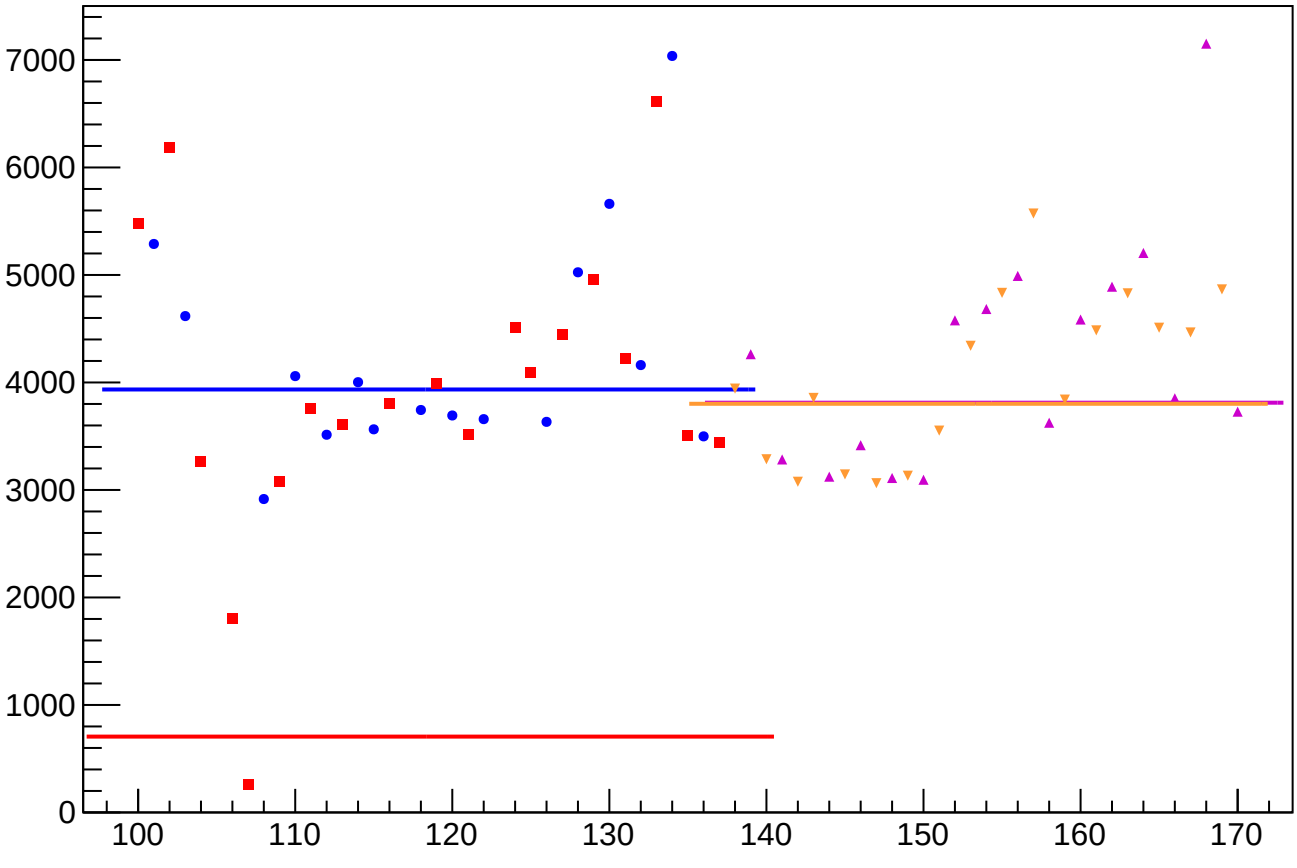
Left: -705.005+/-755.707 χ^2/NDF: 30.1/32

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -122.623+/-874.376 χ^2/NDF:25.6/31

Out: -23.738+/-461.432 χ^2/NDF:38.4/35

All: -45.278+/-408.092 χ^2/NDF: 63.9/67



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3801.626+/-0.751 χ^2/NDF:857941.3/16

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

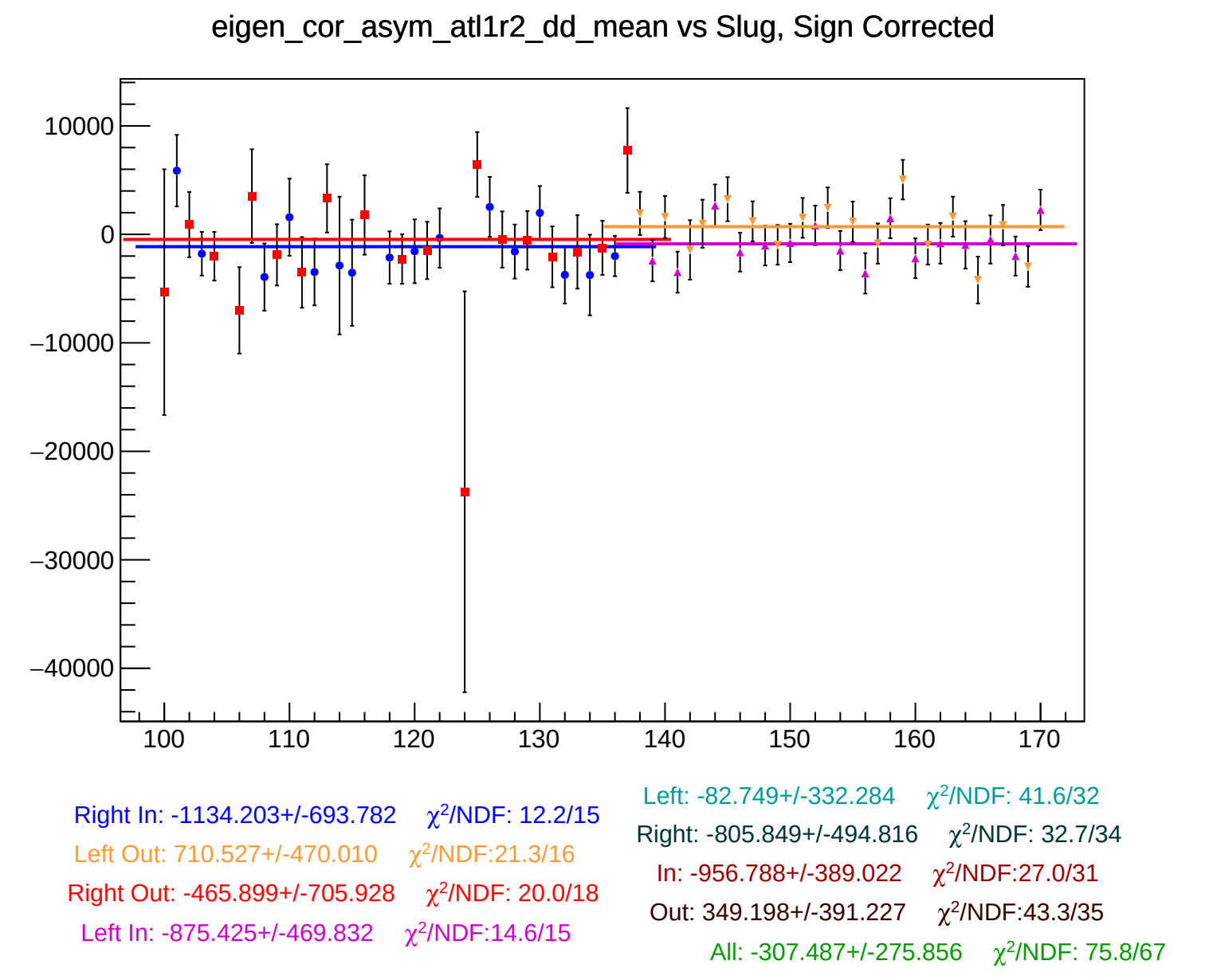
Left: 3806.618+/-0.534 χ^2/NDF: 2004835.4/32

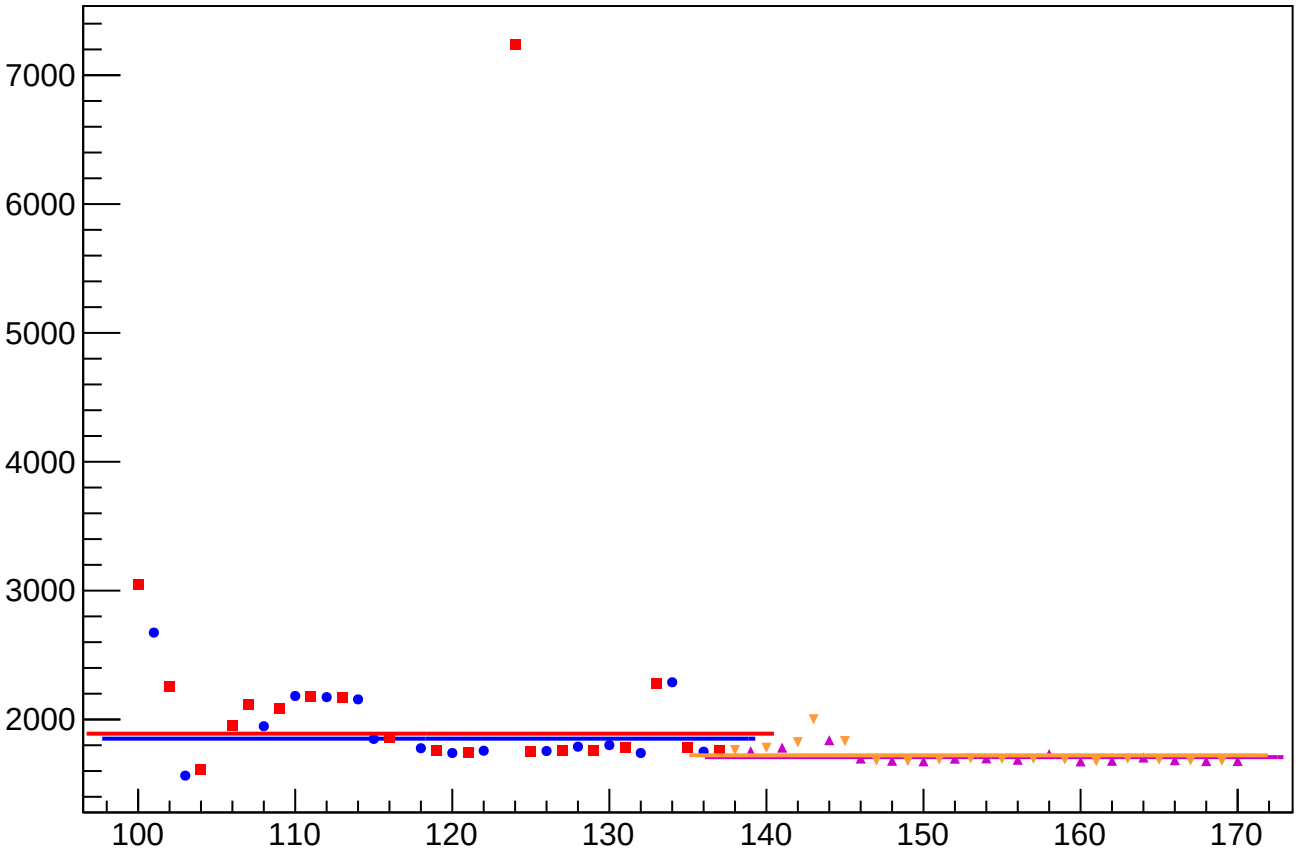
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3853.407+/-0.618 χ^2/NDF:1715819.8/31

Out: 1289.818+/-0.326 χ^2/NDF:25388708.8/35

All: 1848.247+/-0.289 χ^2/NDF: 40551721.4/6


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 710.527+/-470.010 χ²/NDF:21.3/16
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -875.425+/-469.832 χ²/NDF:14.6/15
Left: -82.749+/-332.284 χ²/NDF: 41.6/32
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -956.788+/-389.022 χ²/NDF:27.0/31
Out: 349.198+/-391.227 χ²/NDF:43.3/35
All: -307.487+/-275.856 χ²/NDF: 75.8/67



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1721.876+/-0.332 χ^2/NDF:52253.9/16

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

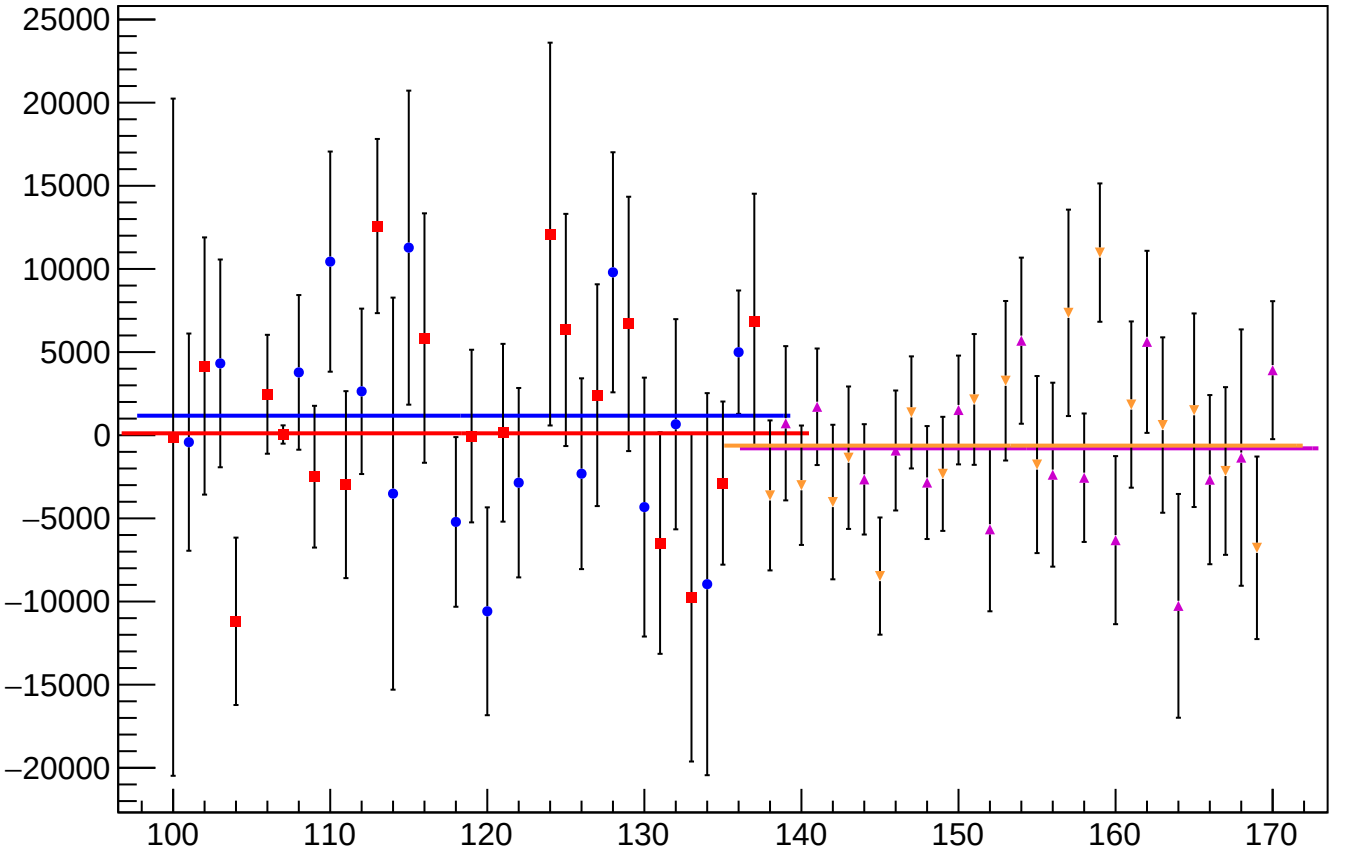
Left: 1714.853+/-0.235 χ^2/NDF: 70913.2/32

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1752.889+/-0.275 χ^2/NDF:336241.9/31

Out: 1773.659+/-0.276 χ^2/NDF:490189.7/35

All: 1763.222+/-0.195 χ^2/NDF: 829268.0/67



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -624.193+/-1062.254 χ^2/NDF:19.4/16

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -787.817+/-1075.327 χ^2/NDF:10.7/15

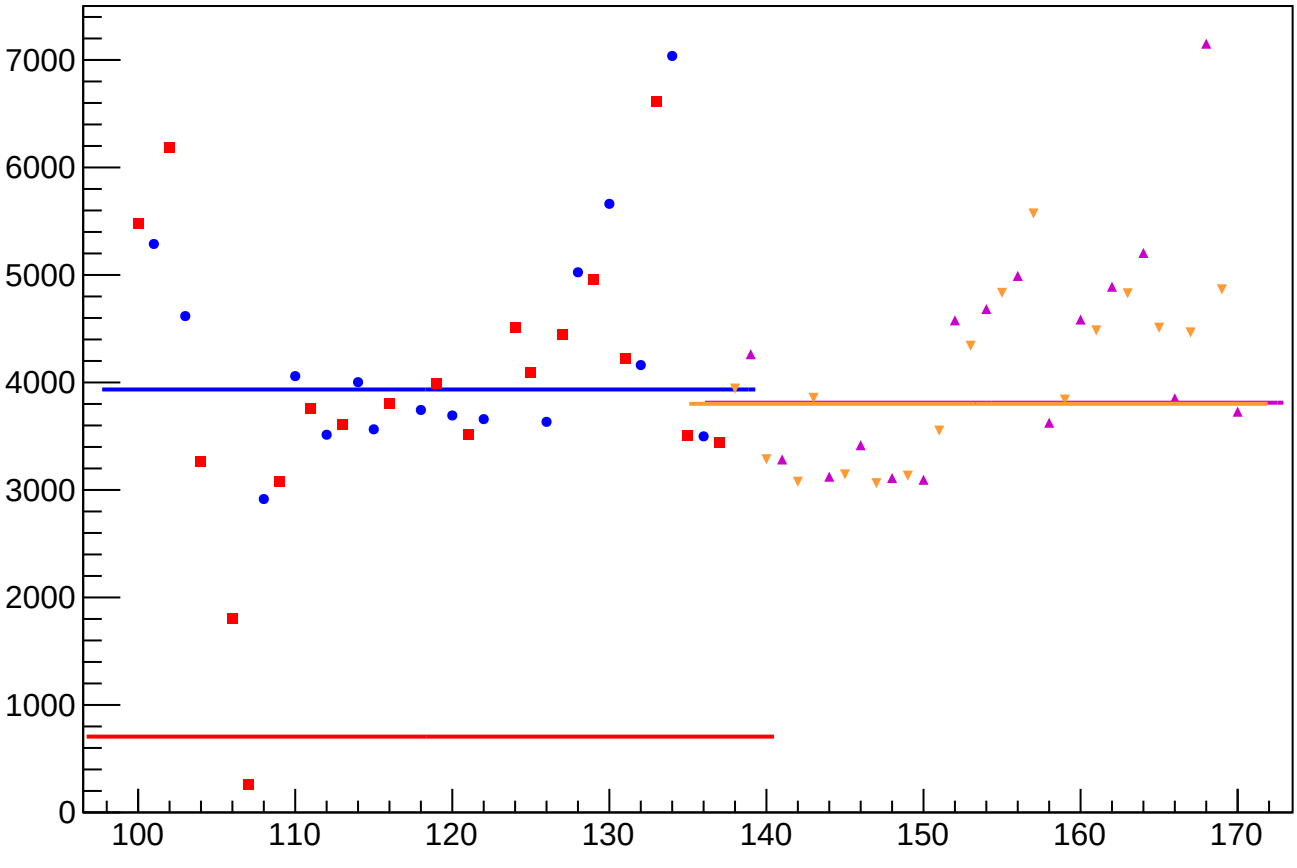
Left: -705.005+/-755.707 χ^2/NDF: 30.1/32

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -122.623+/-874.376 χ^2/NDF:25.6/31

Out: -23.738+/-461.432 χ^2/NDF:38.4/35

All: -45.278+/-408.092 χ^2/NDF: 63.9/67



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3801.626+/-0.751 χ^2/NDF:857941.3/16

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

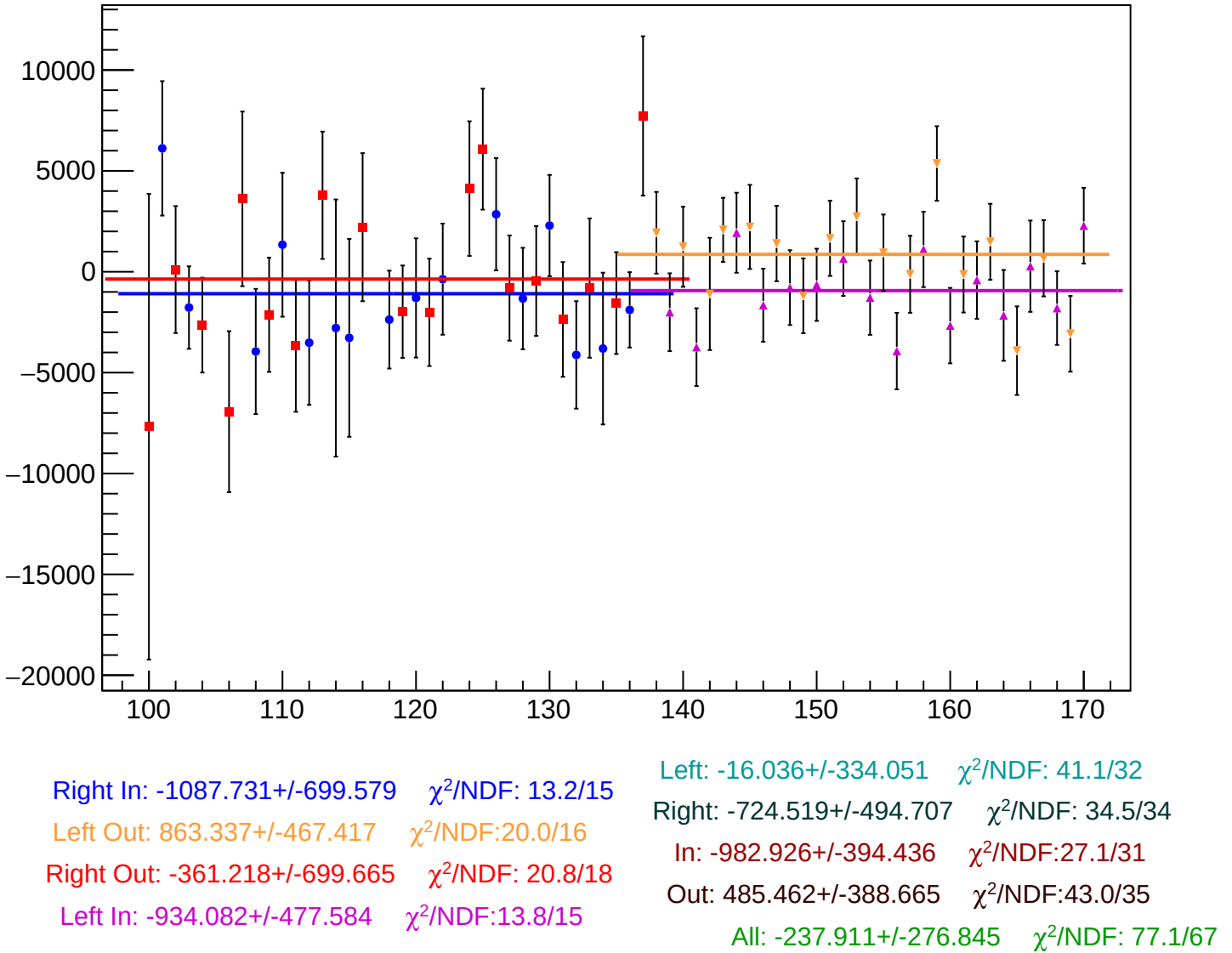
Left: 3806.618+/-0.534 χ^2/NDF: 2004835.4/32

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

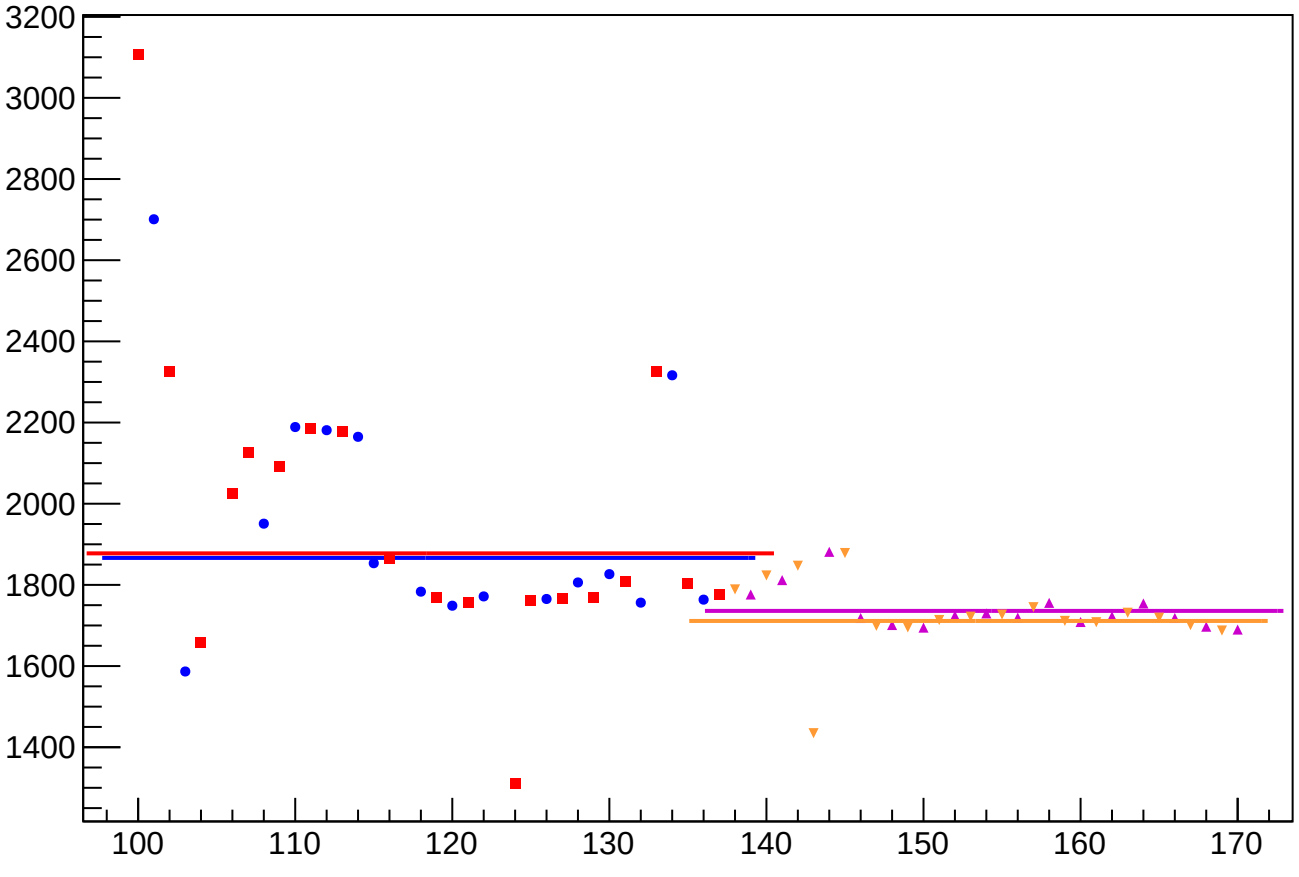
In: 3853.407+/-0.618 χ^2/NDF:1715819.8/31

Out: 1289.818+/-0.326 χ^2/NDF:25388708.8/35

All: 1848.247+/-0.289 χ^2/NDF: 40551721.4/6


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 863.337+/-467.417 χ²/NDF:20.0/16
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -934.082+/-477.584 χ²/NDF:13.8/15
Left: -16.036+/-334.051 χ²/NDF: 41.1/32
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -982.926+/-394.436 χ²/NDF:27.1/31
Out: 485.462+/-388.665 χ²/NDF:43.0/35
All: -237.911+/-276.845 χ²/NDF: 77.1/67

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1711.134+/-0.331 χ^2/NDF:89353.0/16

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1735.899+/-0.338 χ^2/NDF:20070.2/15

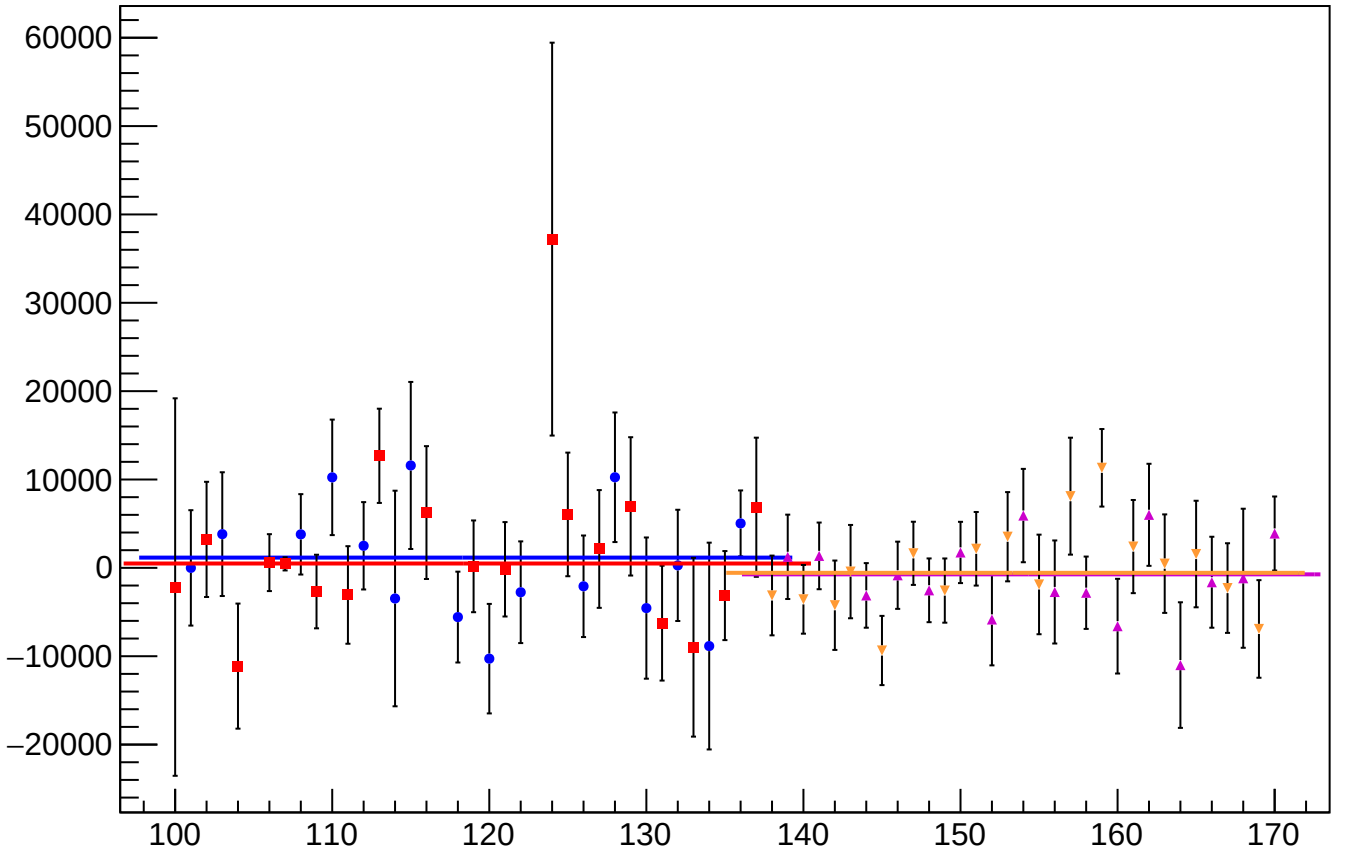
Left: 1723.250+/-0.236 χ^2/NDF: 112169.9/32

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1777.402+/-0.279 χ^2/NDF:323845.4/31

Out: 1762.579+/-0.275 χ^2/NDF:419626.9/35

All: 1769.879+/-0.196 χ^2/NDF: 744905.6/67



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -561.971+/-1132.517 χ^2/NDF:19.3/16

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -735.430+/-1135.564 χ^2/NDF:10.5/15

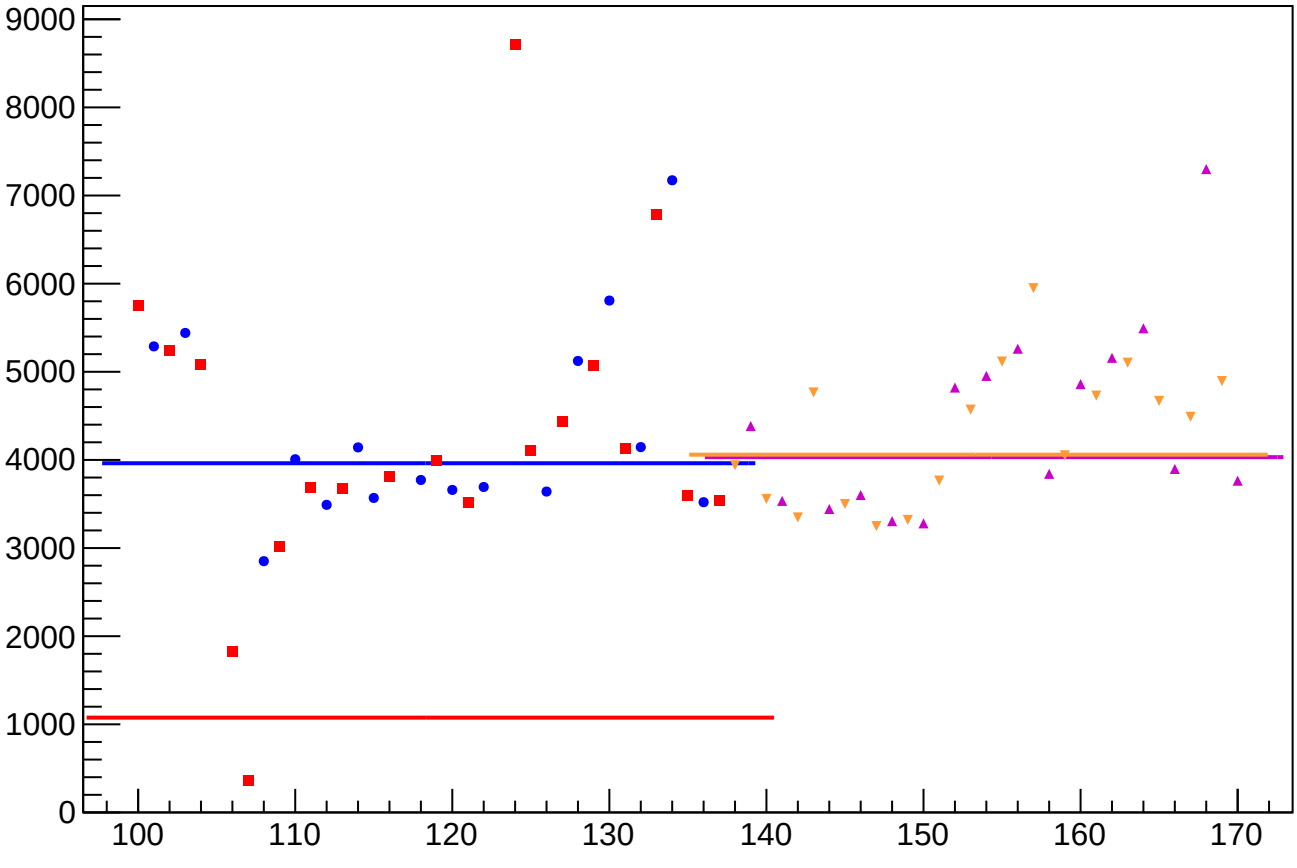
Left: -648.468+/-801.885 χ^2/NDF: 29.8/32

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: -51.596+/-908.049 χ^2/NDF:25.2/31

Out: 226.373+/-569.272 χ^2/NDF:36.9/35

All: 147.947+/-482.325 χ^2/NDF: 62.1/67



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4059.570+/-0.801 χ^2/NDF:783569.2/16

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4031.547+/-0.803 χ^2/NDF:1061484.7/15

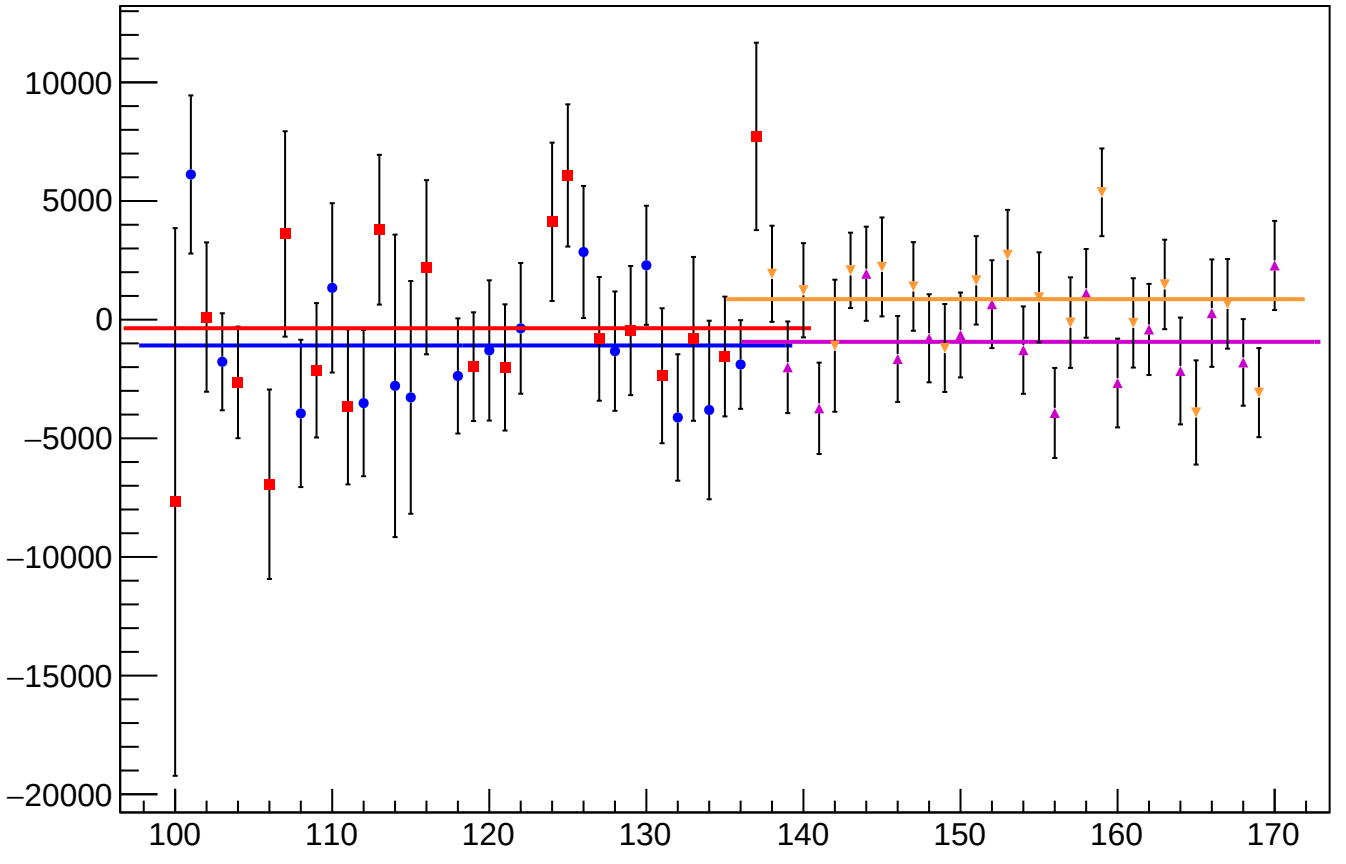
Left: 4045.596+/-0.567 χ^2/NDF: 1845664.5/32

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4006.604+/-0.642 χ^2/NDF:1732500.7/31

Out: 1829.820+/-0.403 χ^2/NDF:20715777.7/35

All: 2443.973+/-0.341 χ^2/NDF: 30698835.0/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 863.342+/-467.417 χ^2/NDF:20.0/16

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -934.084+/-477.585 χ^2/NDF:13.8/15

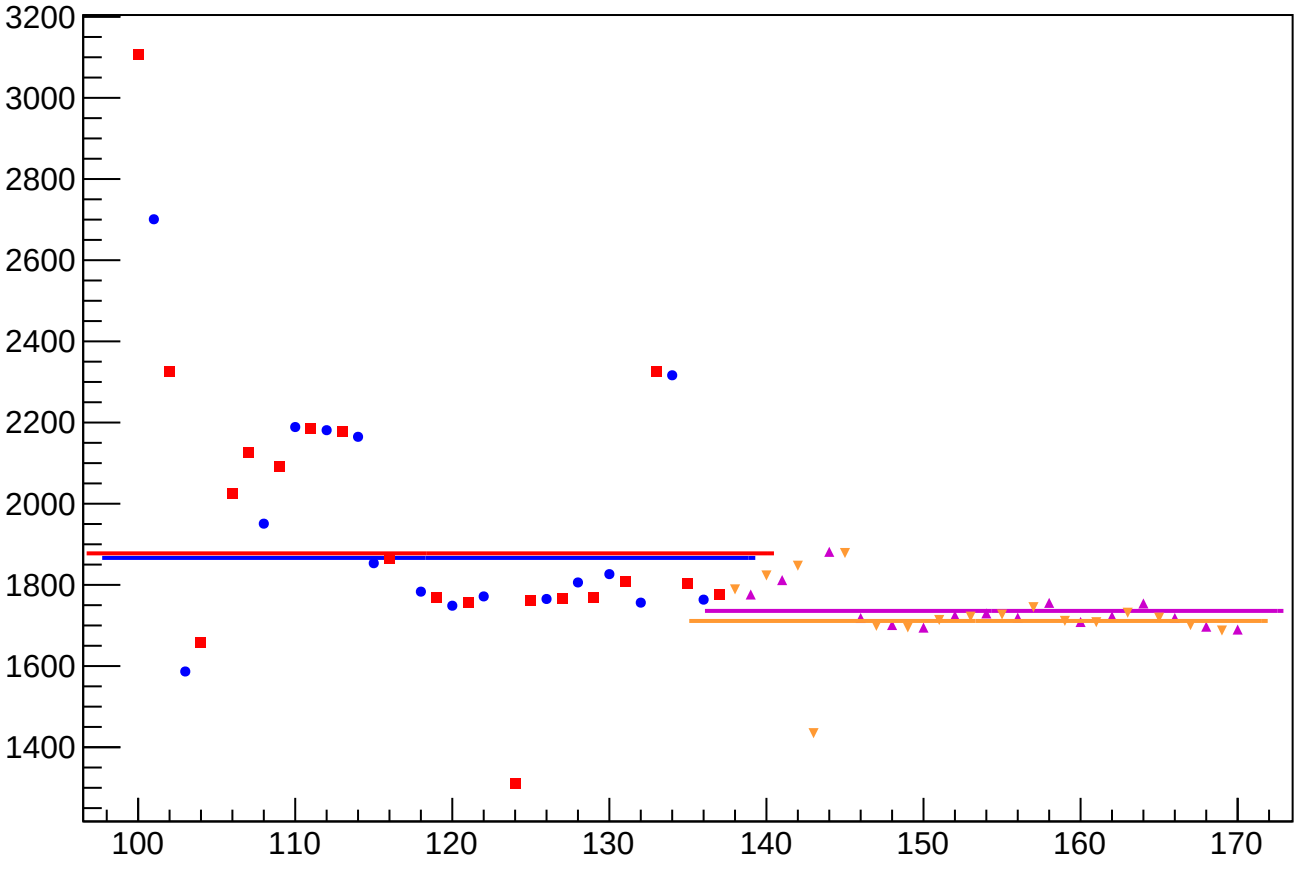
Left: -16.035+/-334.051 χ^2/NDF: 41.1/32

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -982.929+/-394.436 χ^2/NDF:27.1/31

Out: 485.463+/-388.665 χ^2/NDF:43.0/35

All: -237.912+/-276.846 χ^2/NDF: 77.1/67



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1711.135+/-0.331 χ^2/NDF:89352.1/16

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1735.900+/-0.338 χ^2/NDF:20070.1/15

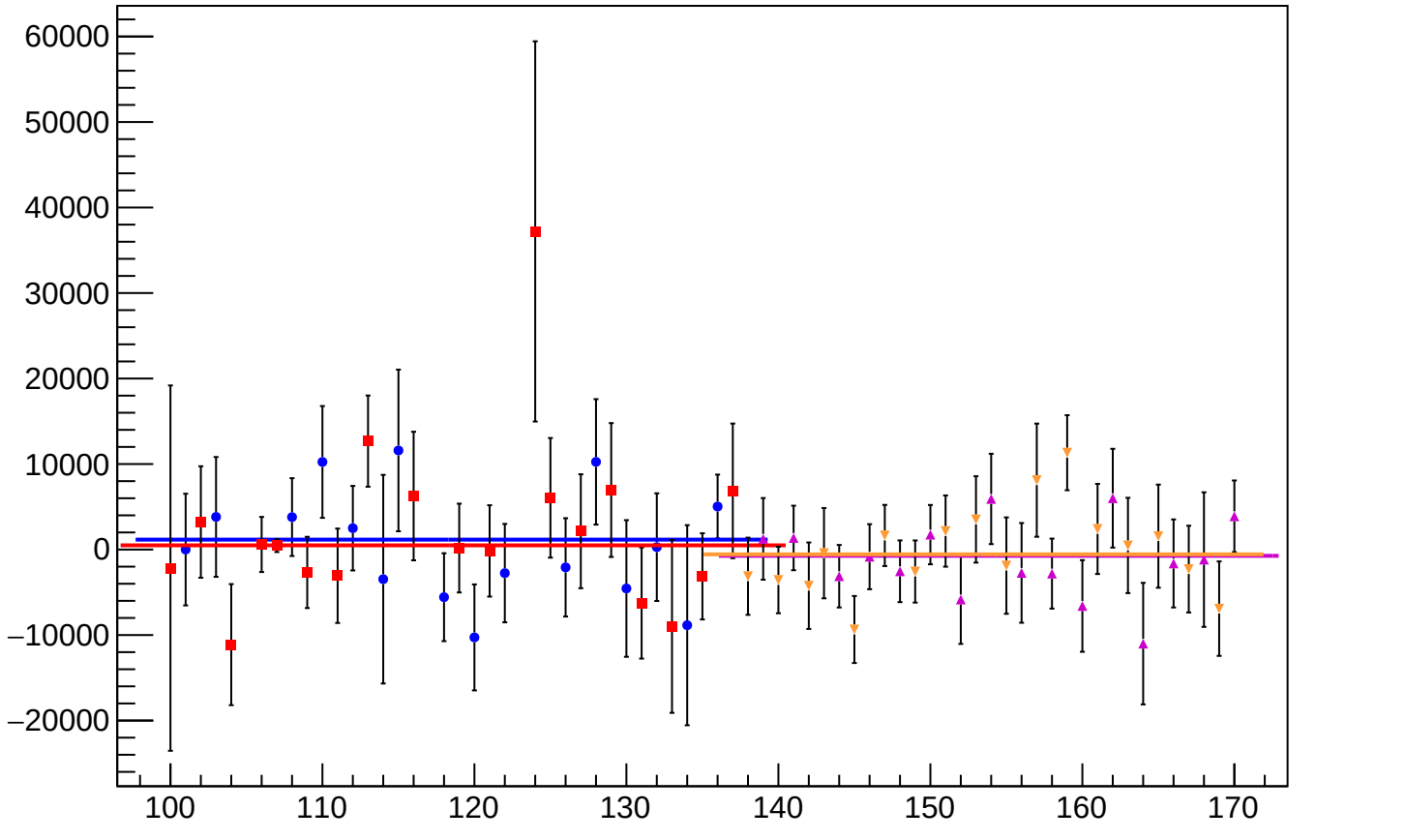
Left: 1723.251+/-0.236 χ^2/NDF: 112169.0/32

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1777.402+/-0.279 χ^2/NDF:323844.4/31

Out: 1762.580+/-0.275 χ^2/NDF:419625.4/35

All: 1769.880+/-0.196 χ^2/NDF: 744903.2/67



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -561.971+/-1132.518 χ^2/NDF:19.3/16

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -735.428+/-1135.565 χ^2/NDF:10.5/15

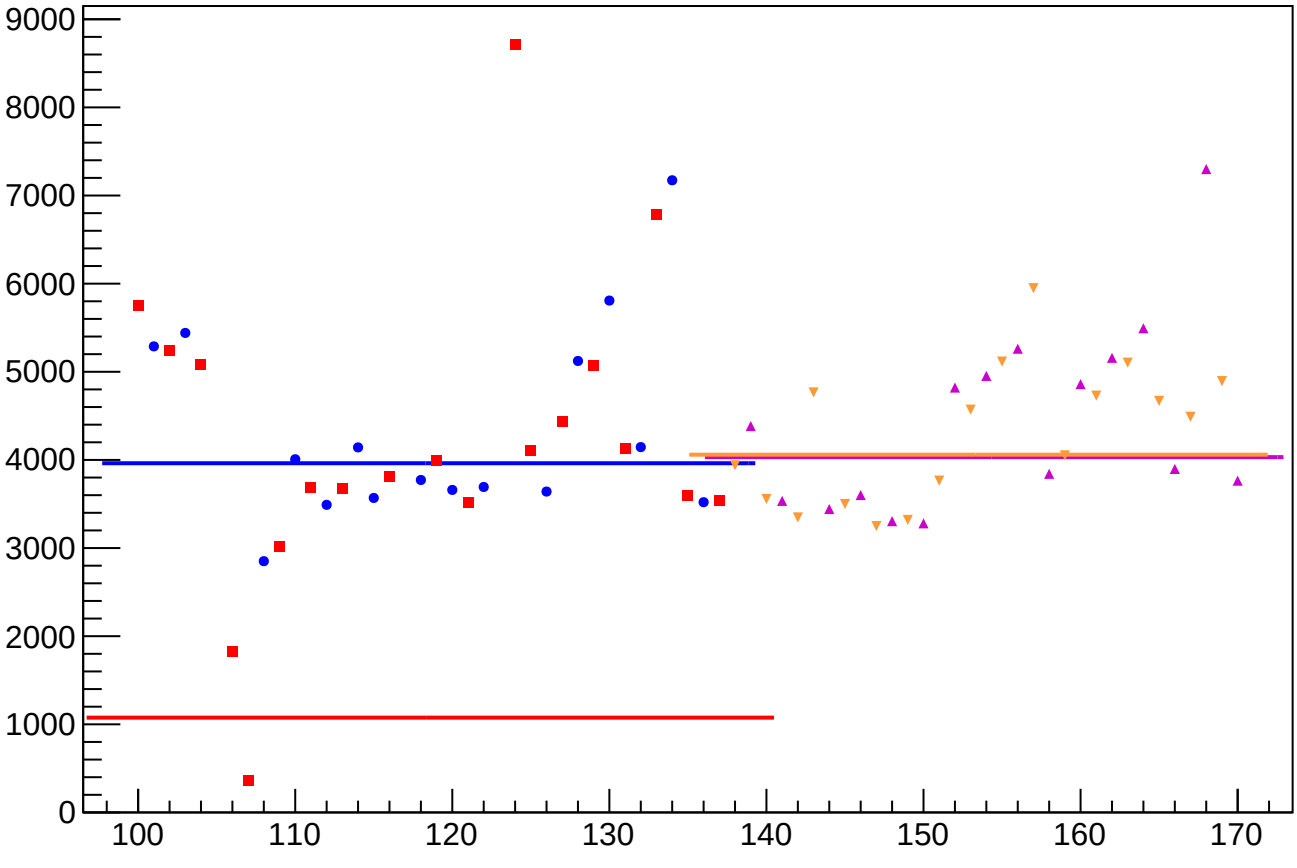
Left: -648.467+/-801.886 χ^2/NDF: 29.8/32

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -51.599+/-908.049 χ^2/NDF:25.2/31

Out: 226.373+/-569.279 χ^2/NDF:36.9/35

All: 147.945+/-482.330 χ^2/NDF: 62.1/67



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4059.575+/-0.801 χ^2/NDF:783569.2/16

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4031.553+/-0.803 χ^2/NDF:1061486.7/15

Left: 4045.602+/-0.567 χ^2/NDF: 1845666.5/32

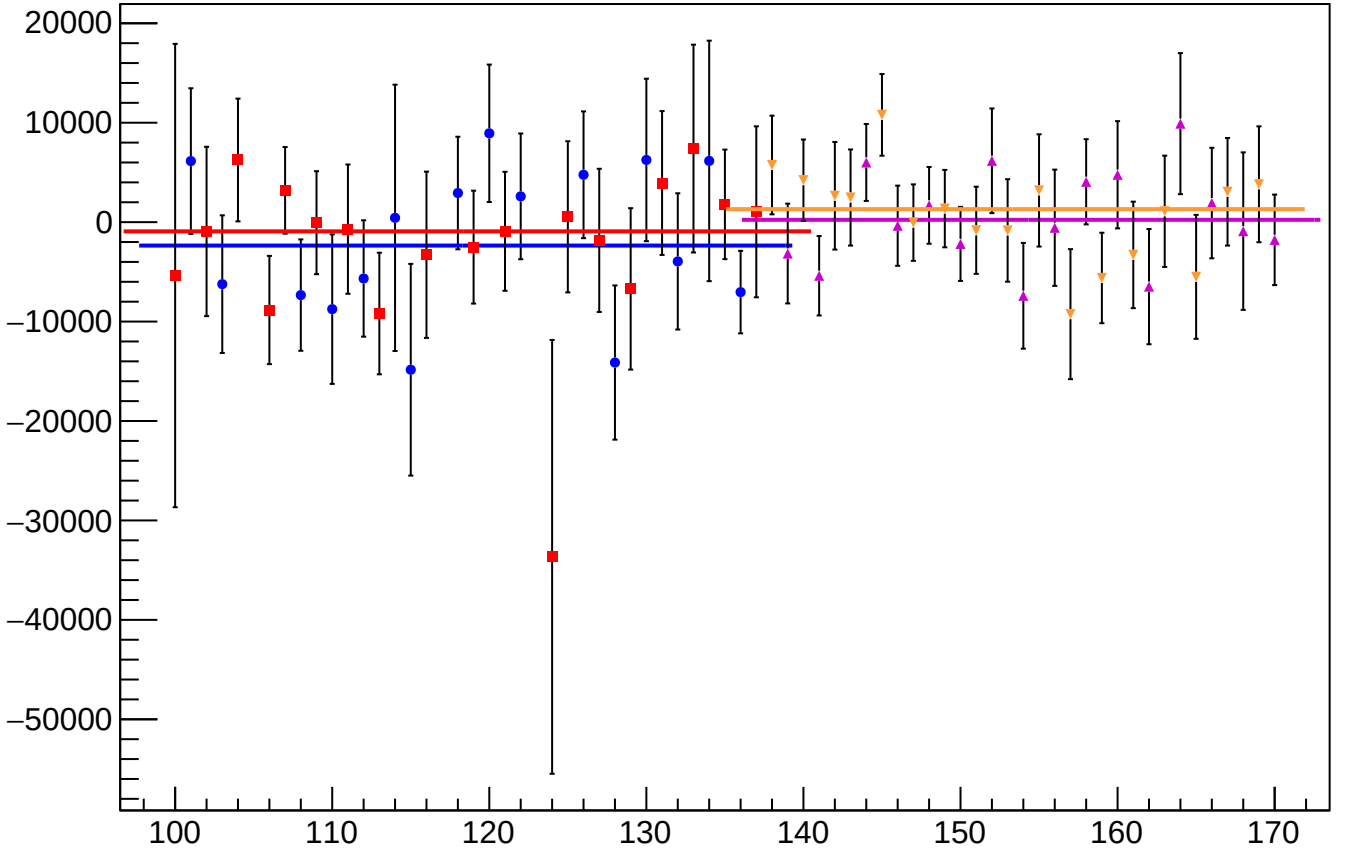
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4006.605+/-0.642 χ^2/NDF:1732500.0/31

Out: 1829.861+/-0.403 χ^2/NDF:20715364.9/35

All: 2444.014+/-0.341 χ^2/NDF: 30698054.7/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1309.225+/-1179.247 χ^2/NDF:14.5/16

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 235.007+/-1190.263 χ^2/NDF:13.6/15

Left: 777.110+/-837.721 χ^2/NDF: 28.6/32

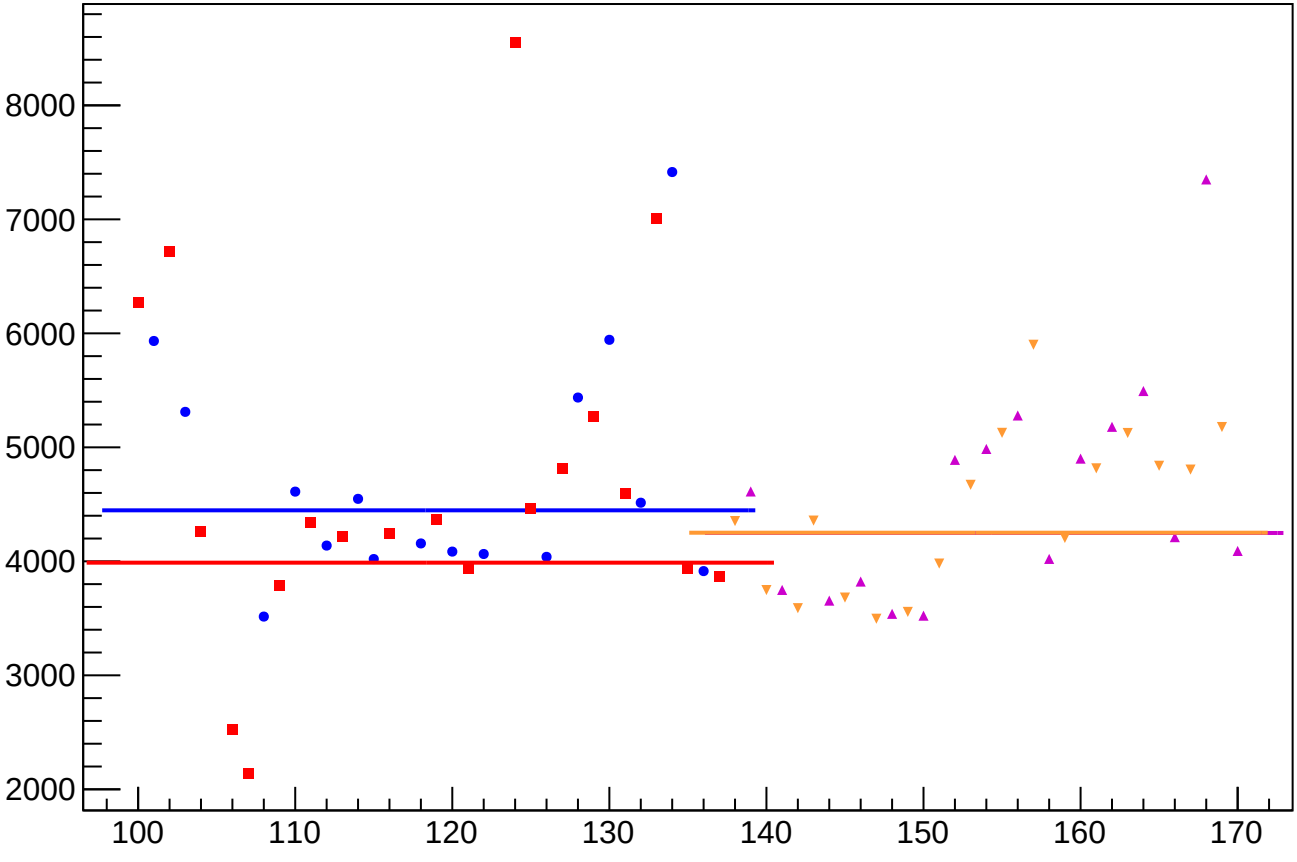
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -627.255+/-972.134 χ^2/NDF:30.7/31

Out: 488.072+/-937.816 χ^2/NDF:26.5/35

All: -49.558+/-674.942 χ^2/NDF: 57.9/67

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4251.017+/-0.834 χ^2/NDF:598078.6/16

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4248.687+/-0.842 χ^2/NDF:842303.5/15

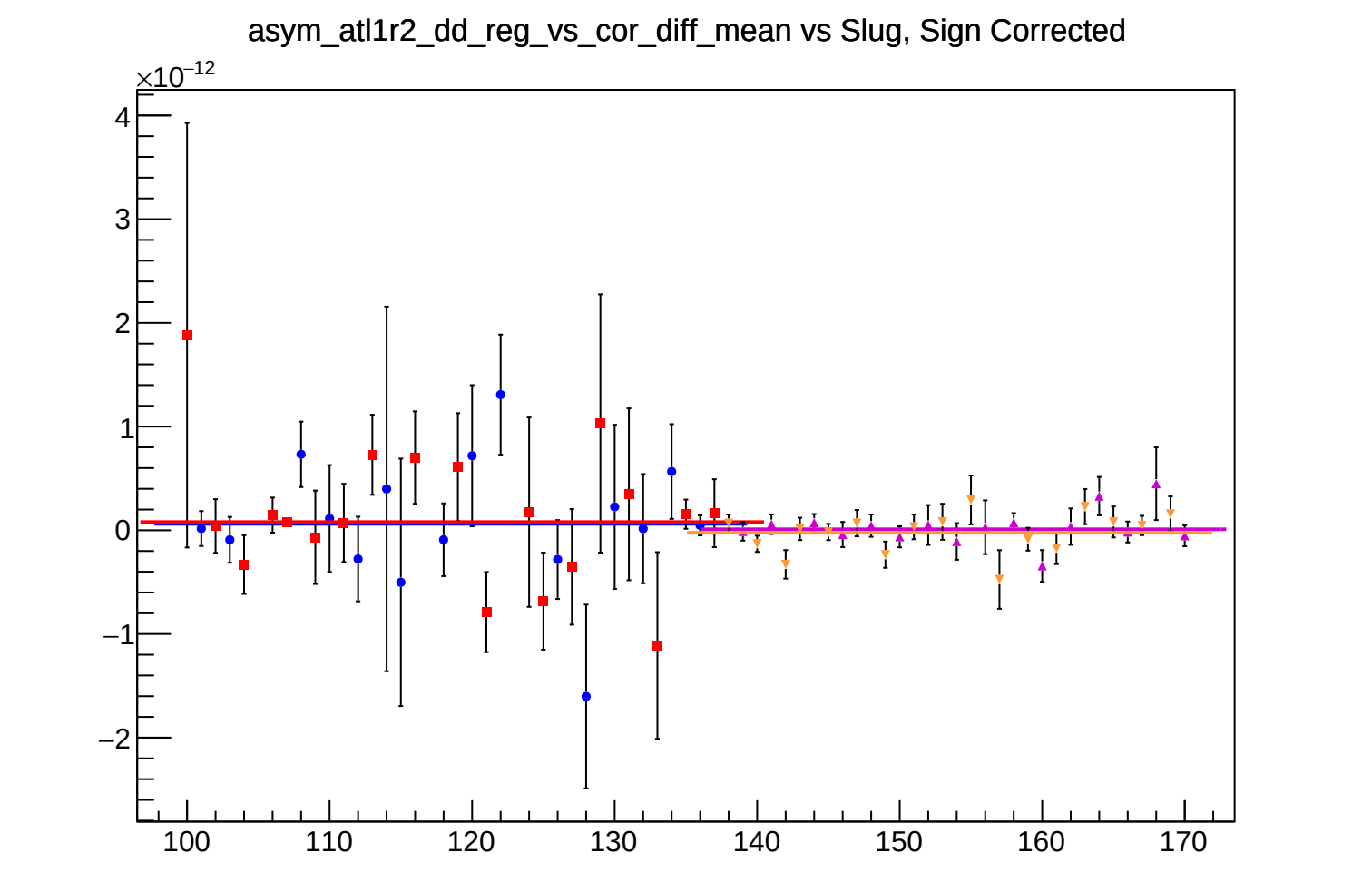
Left: 4249.863+/-0.592 χ^2/NDF: 1440385.9/32

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4314.854+/-0.687 χ^2/NDF:1319118.3/31

Out: 4153.215+/-0.661 χ^2/NDF:1778971.3/35

All: 4230.834+/-0.476 χ^2/NDF: 3126830.9/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/15

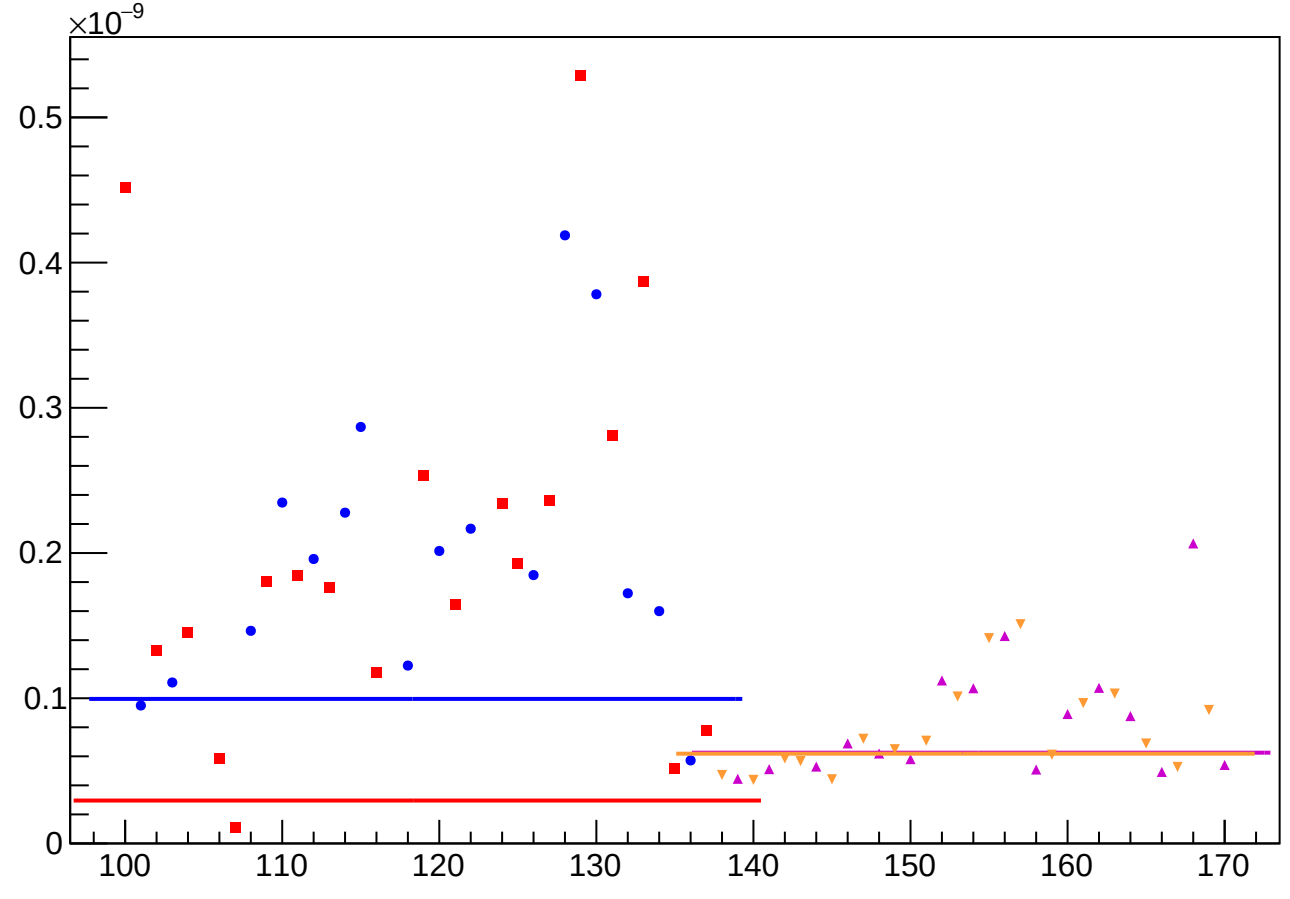
Left: -0.000+/-0.000 χ^2/NDF: 35.7/32

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:31.0/31

Out: 0.000+/-0.000 χ^2/NDF:47.5/35

All: 0.000+/-0.000 χ^2/NDF: 78.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137628.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1246112.0/15

Left: 0.000+/-0.000 χ^2/NDF: 2384283.5/32

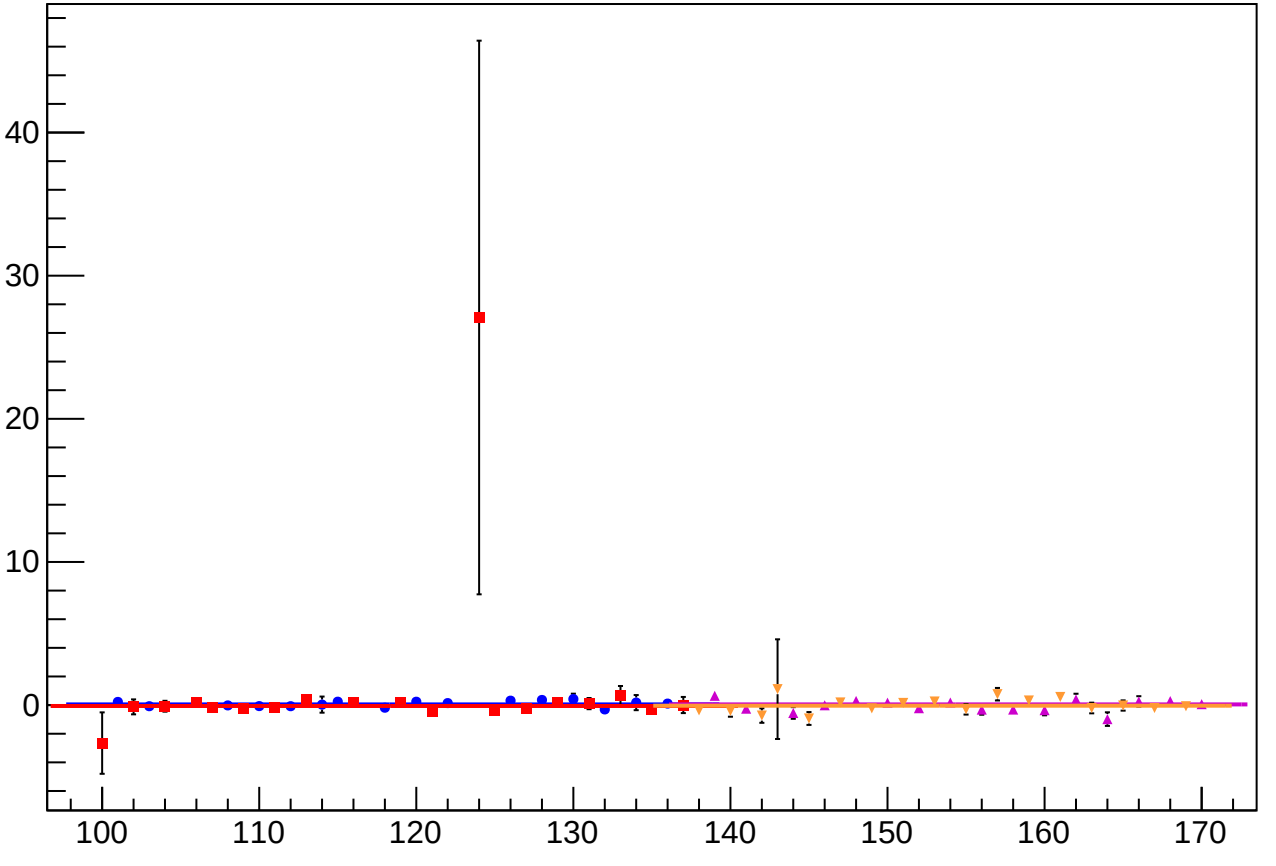
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3306138.1/31

Out: 0.000+/-0.000 χ^2/NDF:6580913.0/35

All: 0.000+/-0.000 χ^2/NDF: 10569583.9/67

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.041+/-0.079 χ^2/NDF:19.2/16

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.048+/-0.076 χ^2/NDF:21.3/15

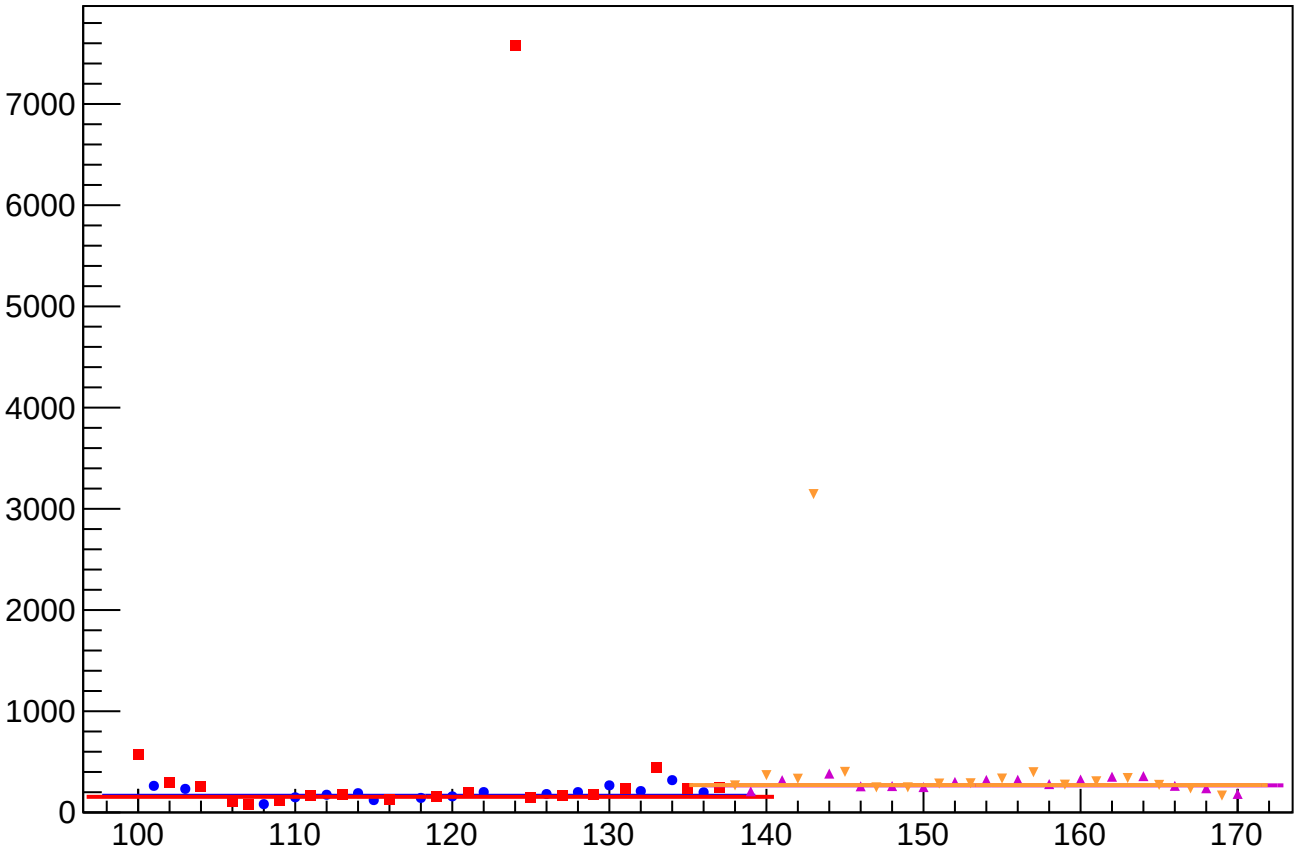
Left: 0.005+/-0.055 χ^2/NDF: 41.2/32

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.053+/-0.050 χ^2/NDF:37.7/35

All: -0.003+/-0.035 χ^2/NDF: 68.6/67



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 270.484+/-0.056 χ^2/NDF:2683170.9/16

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.773+/-0.054 χ^2/NDF:1034376.0/15

Left: 269.086+/-0.039 χ^2/NDF: 3718774.1/32

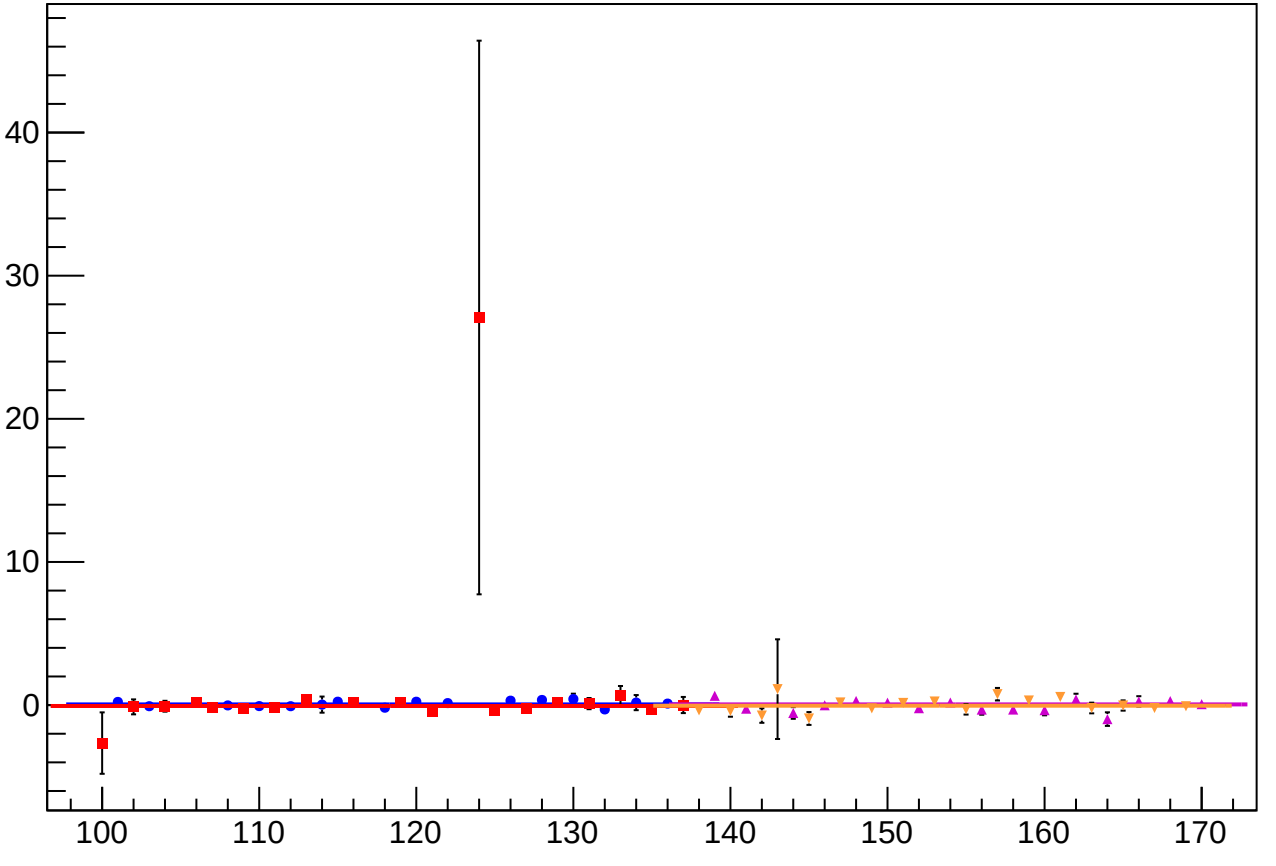
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.311+/-0.035 χ^2/NDF:4583663.7/31

Out: 201.047+/-0.035 χ^2/NDF:7216441.8/35

All: 205.159+/-0.025 χ^2/NDF: 11827498.2/67

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: -0.041+/-0.079 χ^2/NDF:19.2/16

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.048+/-0.076 χ^2/NDF:21.3/15

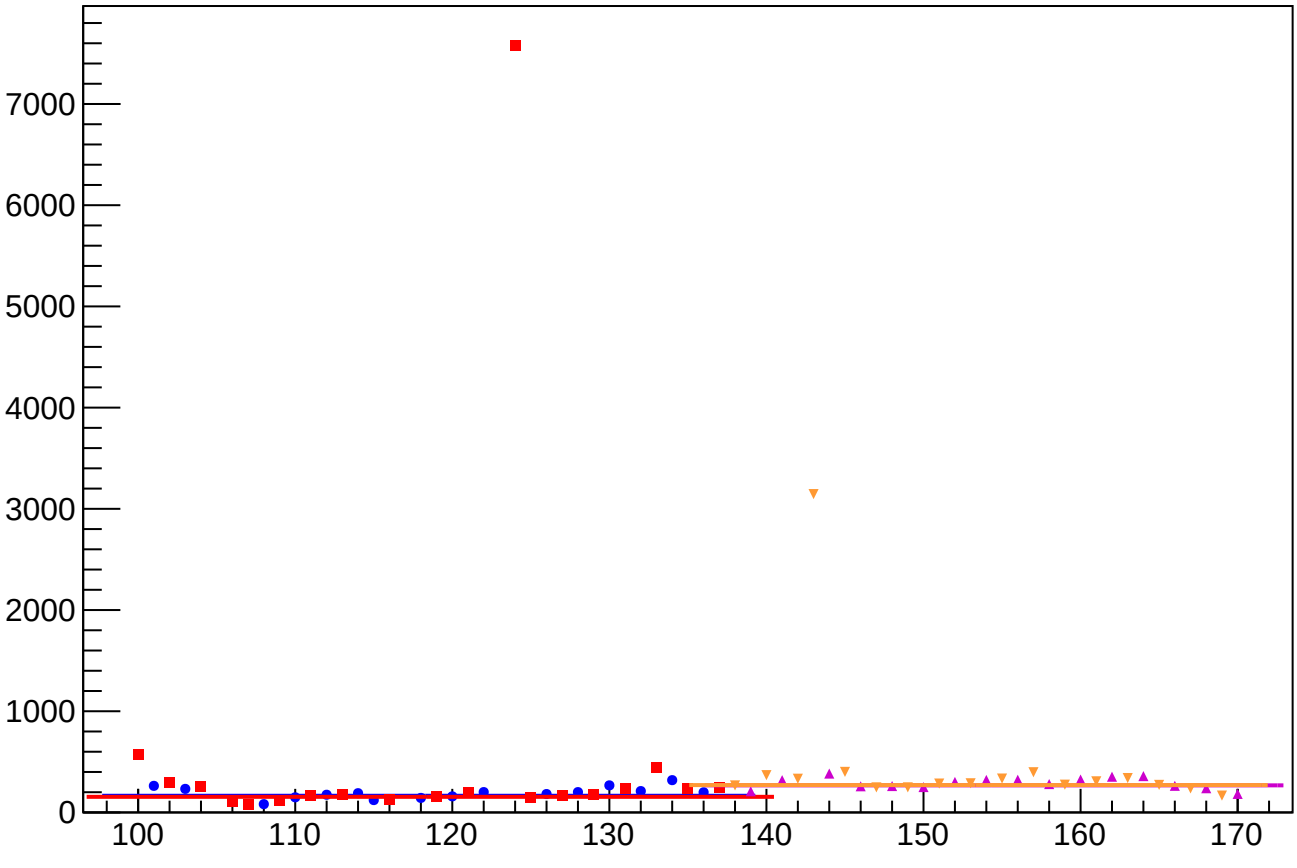
Left: 0.005+/-0.055 χ^2/NDF: 41.2/32

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.053+/-0.050 χ^2/NDF:37.7/35

All: -0.003+/-0.035 χ^2/NDF: 68.6/67



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 270.484+/-0.056 χ^2/NDF:2683170.9/16

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.773+/-0.054 χ^2/NDF:1034376.0/15

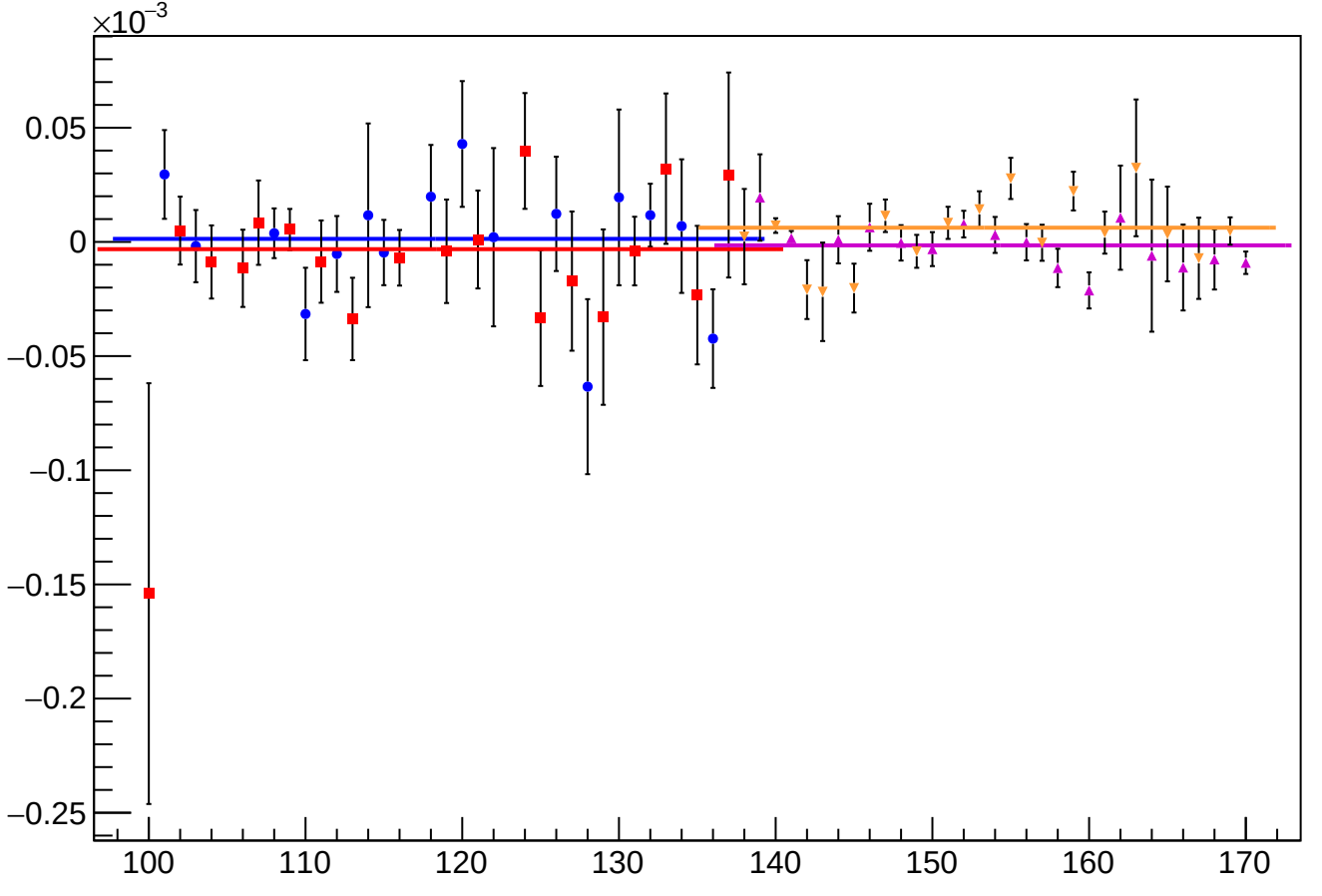
Left: 269.086+/-0.039 χ^2/NDF: 3718774.1/32

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.311+/-0.035 χ^2/NDF:4583663.7/31

Out: 201.047+/-0.035 χ^2/NDF:7216441.8/35

All: 205.159+/-0.025 χ^2/NDF: 11827498.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/15

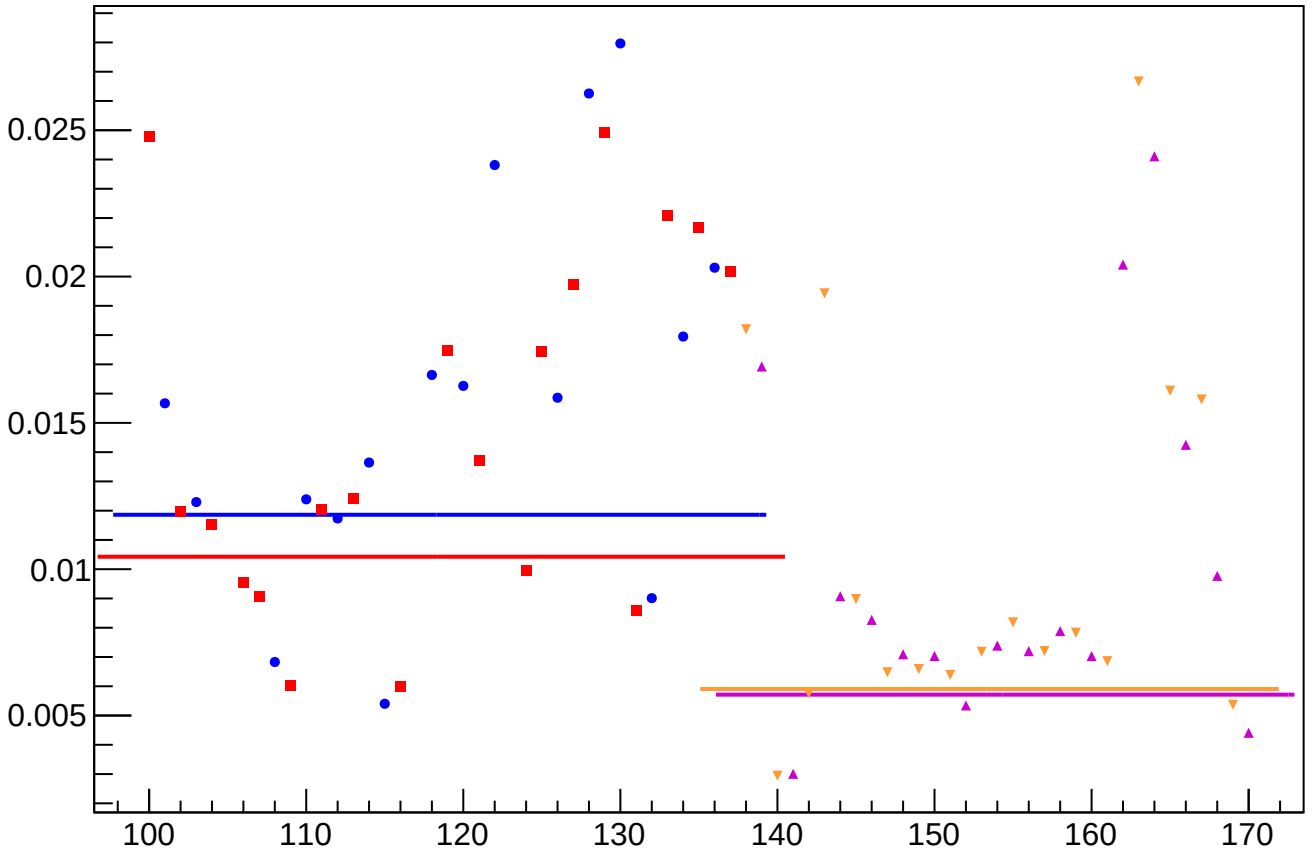
Left: 0.000+/-0.000 χ^2/NDF: 52.8/32

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:33.1/31

Out: 0.000+/-0.000 χ^2/NDF:46.2/35

All: 0.000+/-0.000 χ^2/NDF: 85.0/67



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5824672.5/16

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5129036.3/15

Left: 0.006+/-0.000 χ^2/NDF: 10964563.9/32

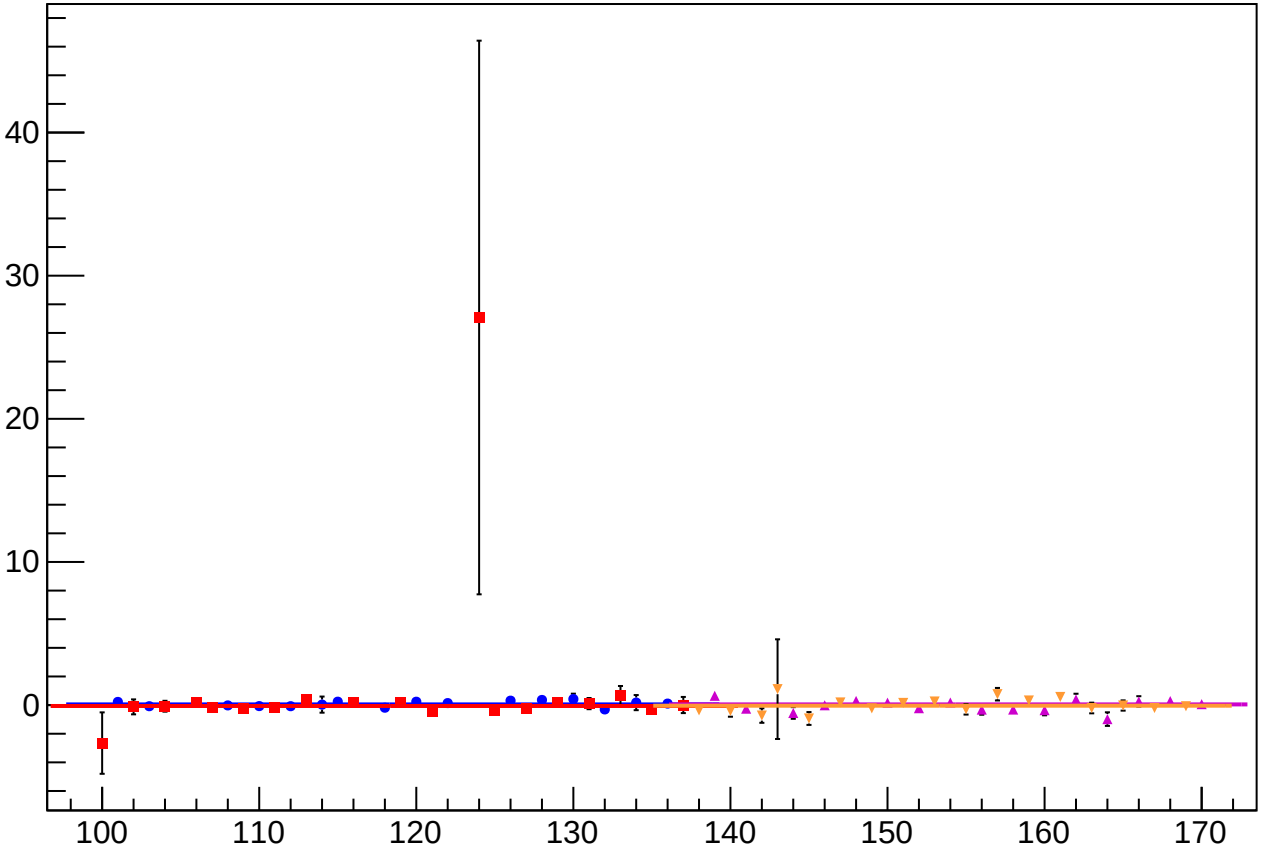
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:10322988.6/31

Out: 0.007+/-0.000 χ^2/NDF:10076556.0/35

All: 0.007+/-0.000 χ^2/NDF: 20410888.6/67

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: -0.041+/-0.079 χ^2/NDF:19.2/16

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.048+/-0.076 χ^2/NDF:21.3/15

Left: 0.005+/-0.055 χ^2/NDF: 41.2/32

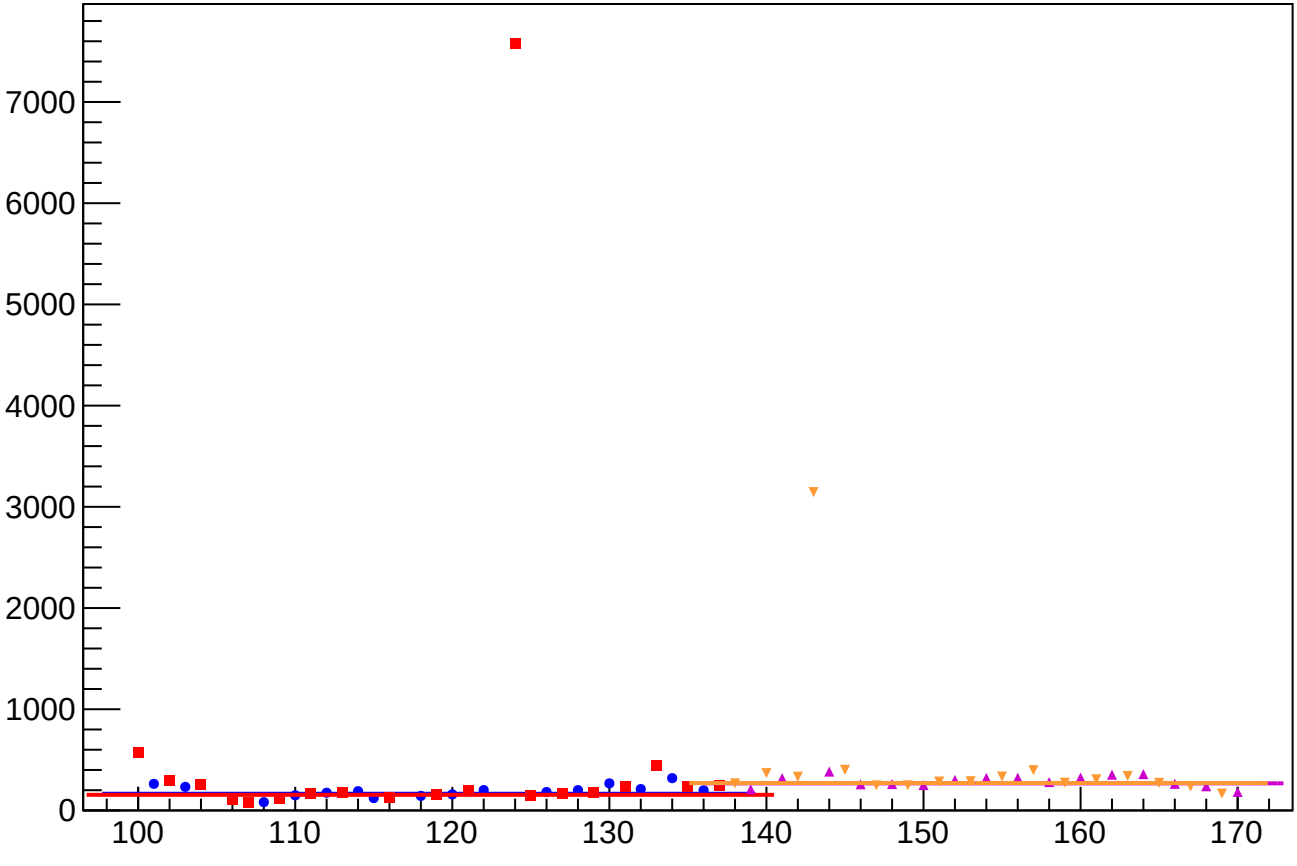
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.053+/-0.050 χ^2/NDF:37.7/35

All: -0.003+/-0.035 χ^2/NDF: 68.6/67

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: 270.486+/-0.056 χ^2/NDF:2683236.0/16

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

Left: 269.089+/-0.039 χ^2/NDF: 3718854.8/32

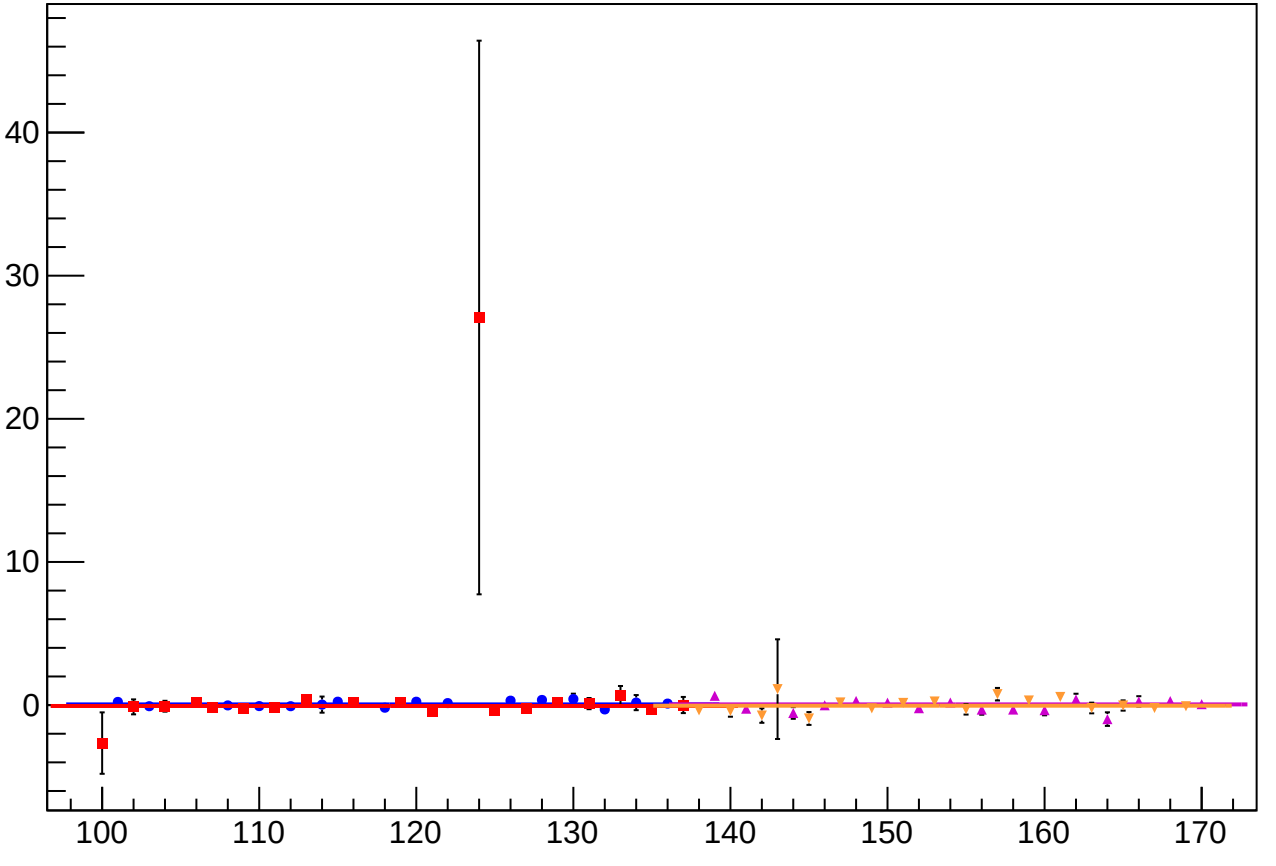
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.311+/-0.035 χ^2/NDF:4583775.7/31

Out: 201.047+/-0.035 χ^2/NDF:7216626.0/35

All: 205.159+/-0.025 χ^2/NDF: 11827796.4/67

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: -0.041+/-0.079 χ^2/NDF:19.2/16

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.048+/-0.076 χ^2/NDF:21.3/15

Left: 0.005+/-0.055 χ^2/NDF: 41.2/32

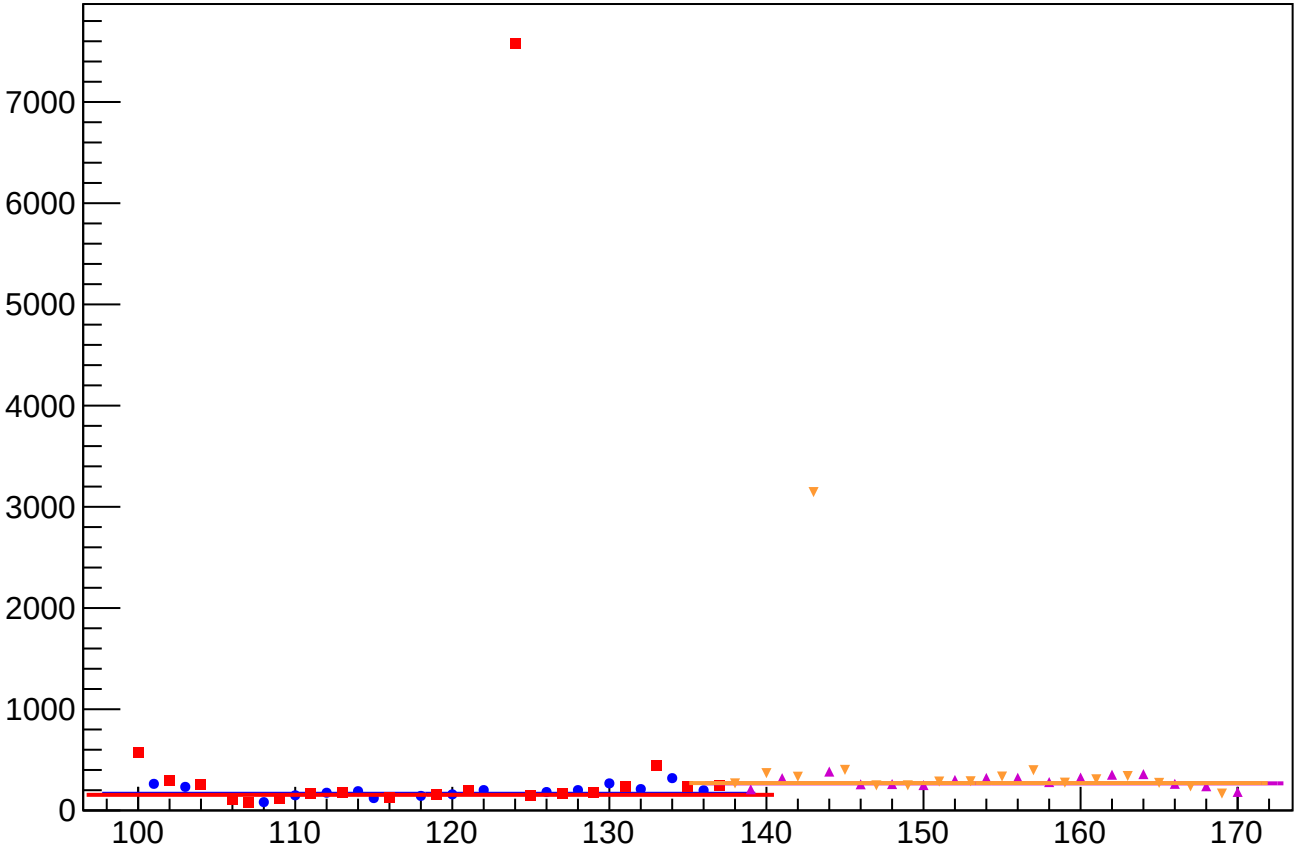
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.053+/-0.050 χ^2/NDF:37.7/35

All: -0.003+/-0.035 χ^2/NDF: 68.6/67

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: 270.486+/-0.056 χ^2/NDF:2683236.0/16

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

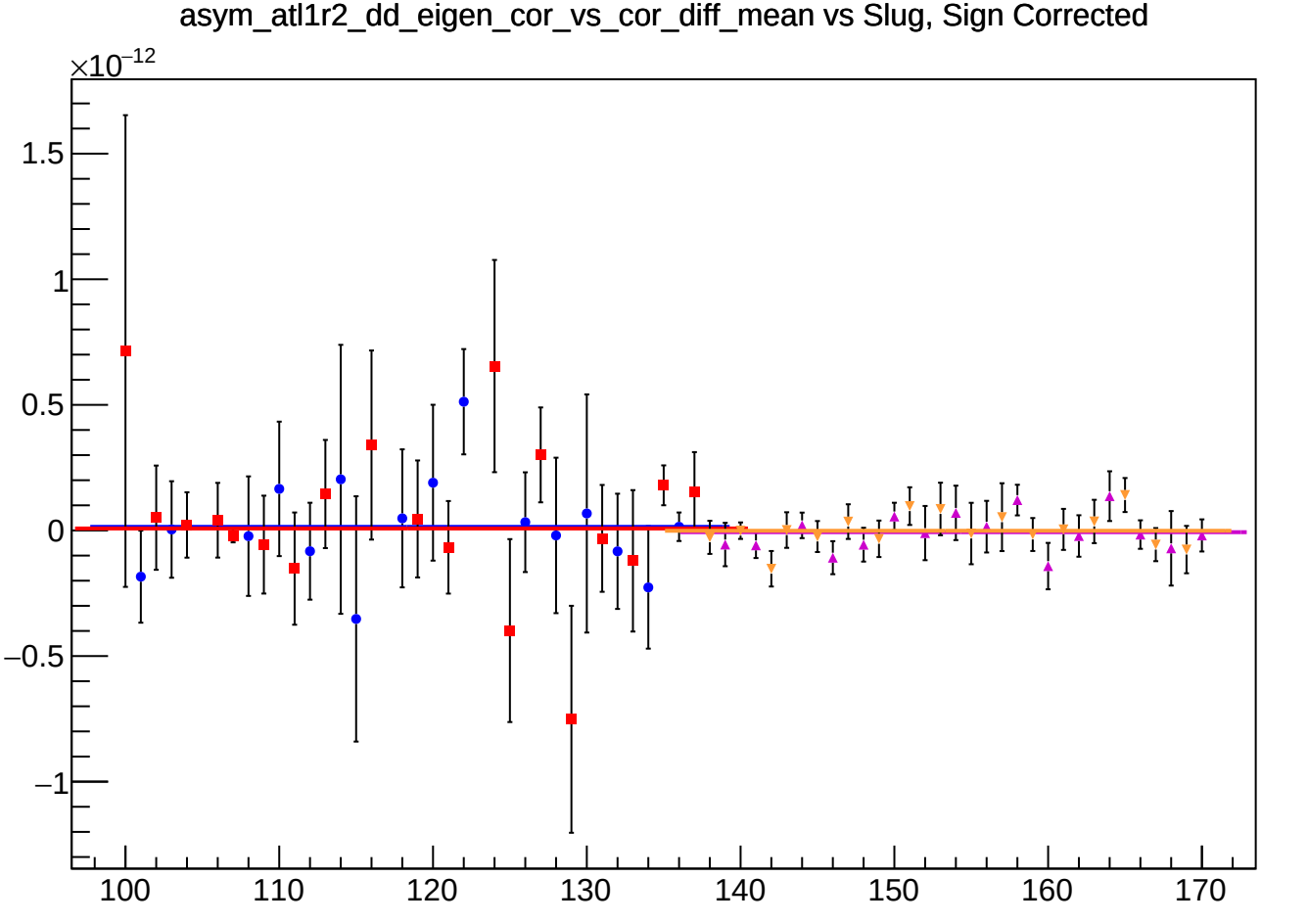
Left: 269.089+/-0.039 χ^2/NDF: 3718854.8/32

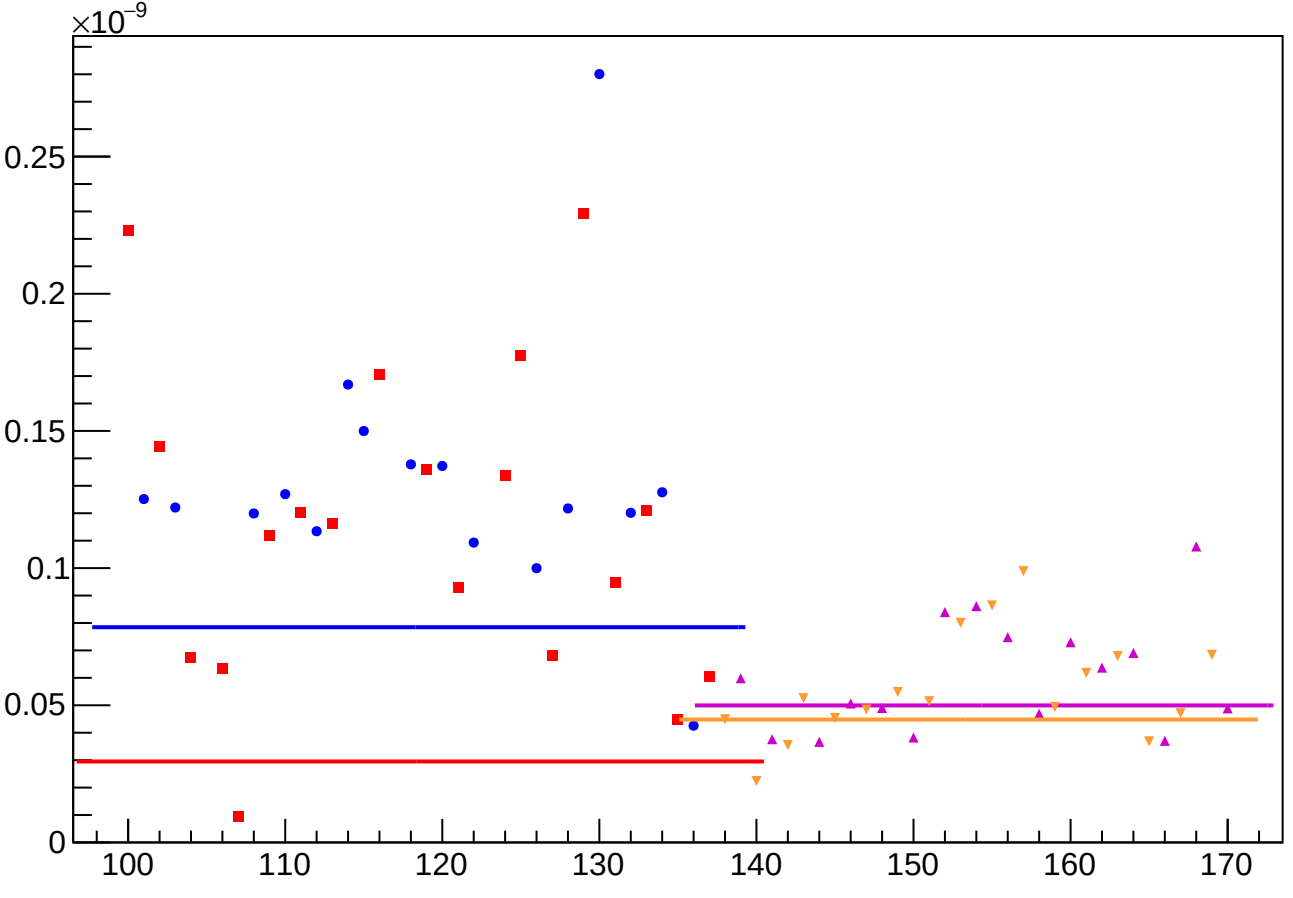
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.311+/-0.035 χ^2/NDF:4583775.7/31

Out: 201.047+/-0.035 χ^2/NDF:7216626.0/35

All: 205.159+/-0.025 χ^2/NDF: 11827796.4/67


asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.6/15
Left Out: -0.000+/-0.000 χ²/NDF:13.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/18
Left In: -0.000+/-0.000 χ²/NDF:15.4/15
Left: -0.000+/-0.000 χ²/NDF: 29.3/32
Right: 0.000+/-0.000 χ²/NDF: 28.0/34
In: -0.000+/-0.000 χ²/NDF:25.2/31
Out: 0.000+/-0.000 χ²/NDF:32.4/35
All: -0.000+/-0.000 χ²/NDF: 57.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2228126.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1581524.8/15

Left: 0.000+/-0.000 χ^2/NDF: 3900180.4/32

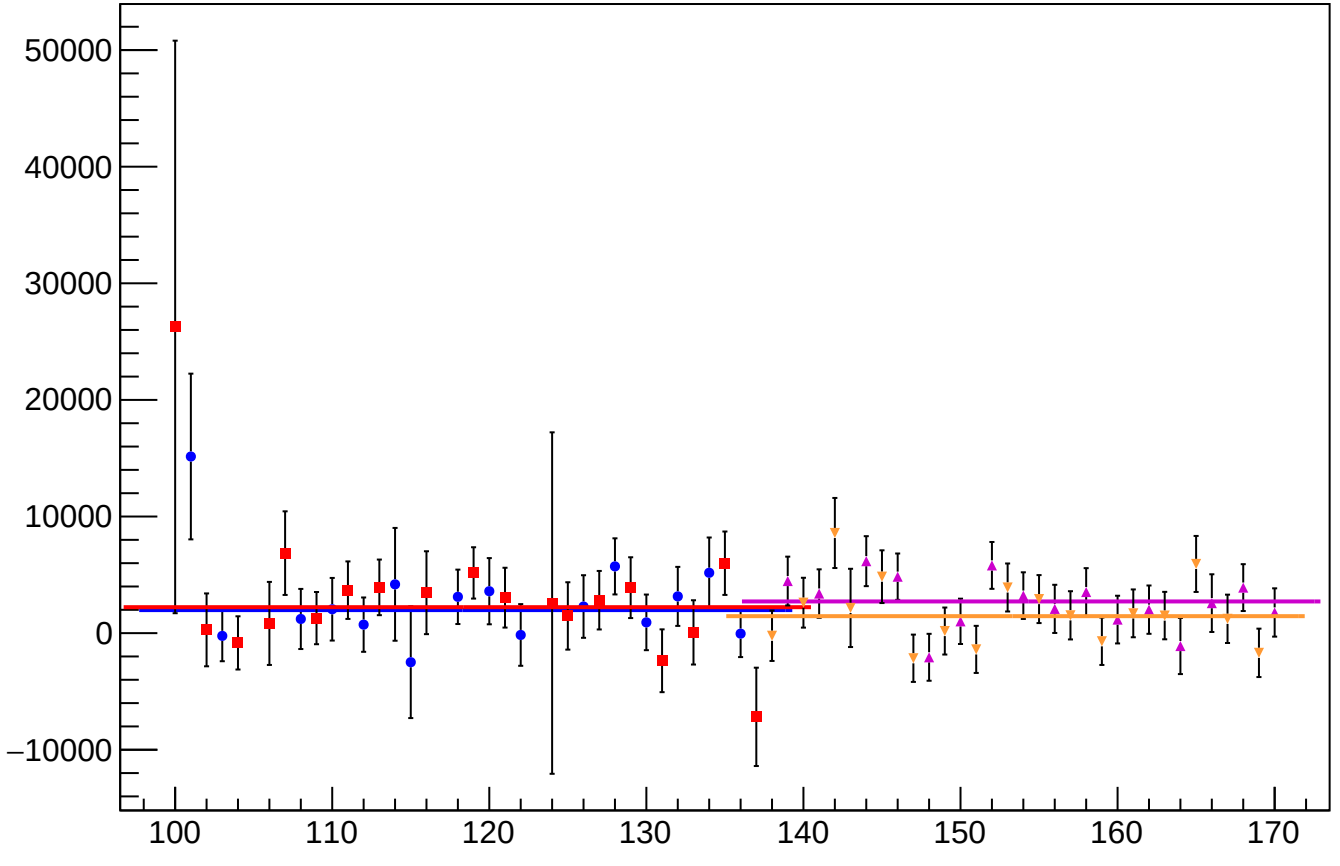
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4454901.0/31

Out: 0.000+/-0.000 χ^2/NDF:8302008.7/35

All: 0.000+/-0.000 χ^2/NDF: 13709264.2/67

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1455.860+/-524.897 χ^2/NDF:23.2/16

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2717.860+/-519.647 χ^2/NDF:17.4/15

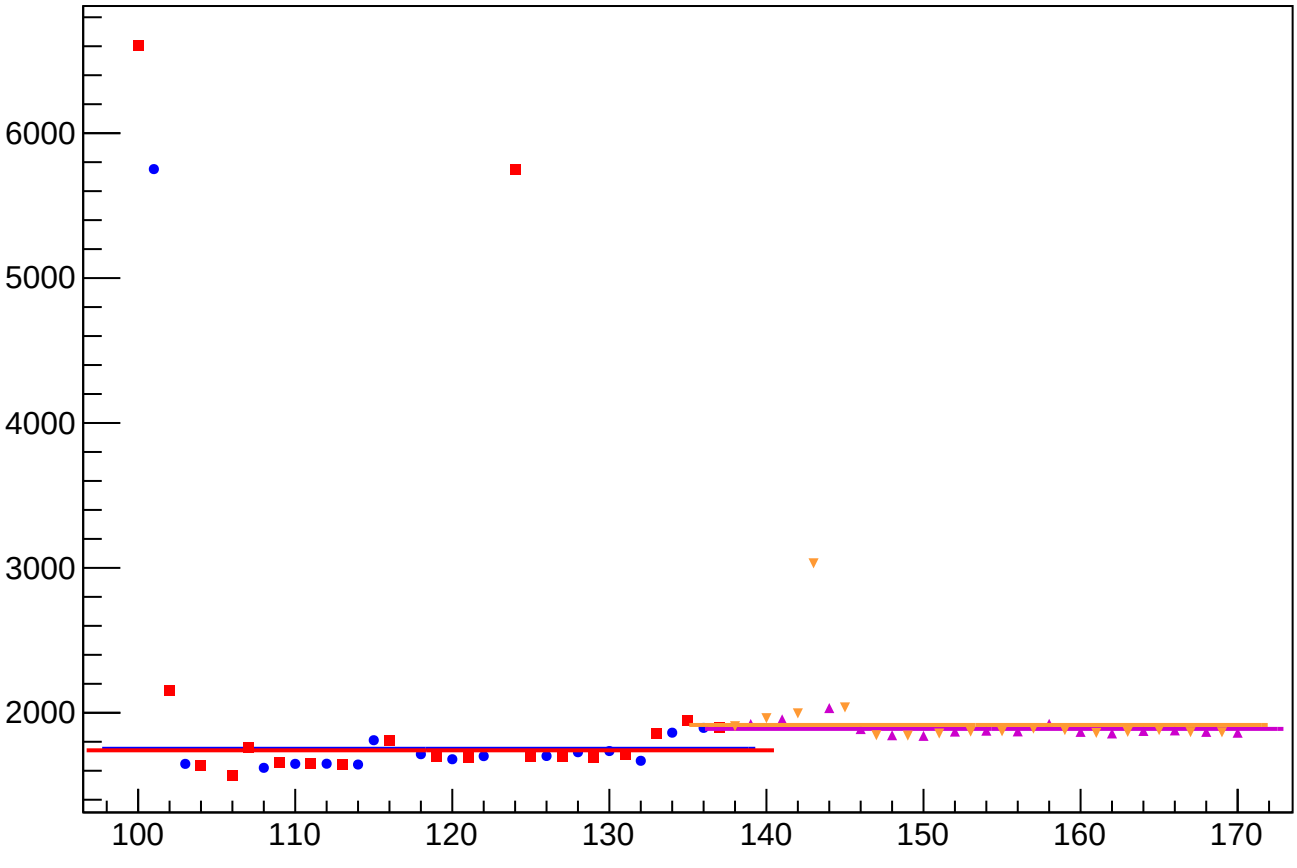
Left: 2093.203+/-369.288 χ^2/NDF: 43.6/32

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2438.136+/-410.090 χ^2/NDF:30.3/31

Out: 1756.377+/-409.916 χ^2/NDF:43.1/35

All: 2097.112+/-289.916 χ^2/NDF: 74.8/67



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1916.025+/-0.371 χ^2/NDF:244114.9/16

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

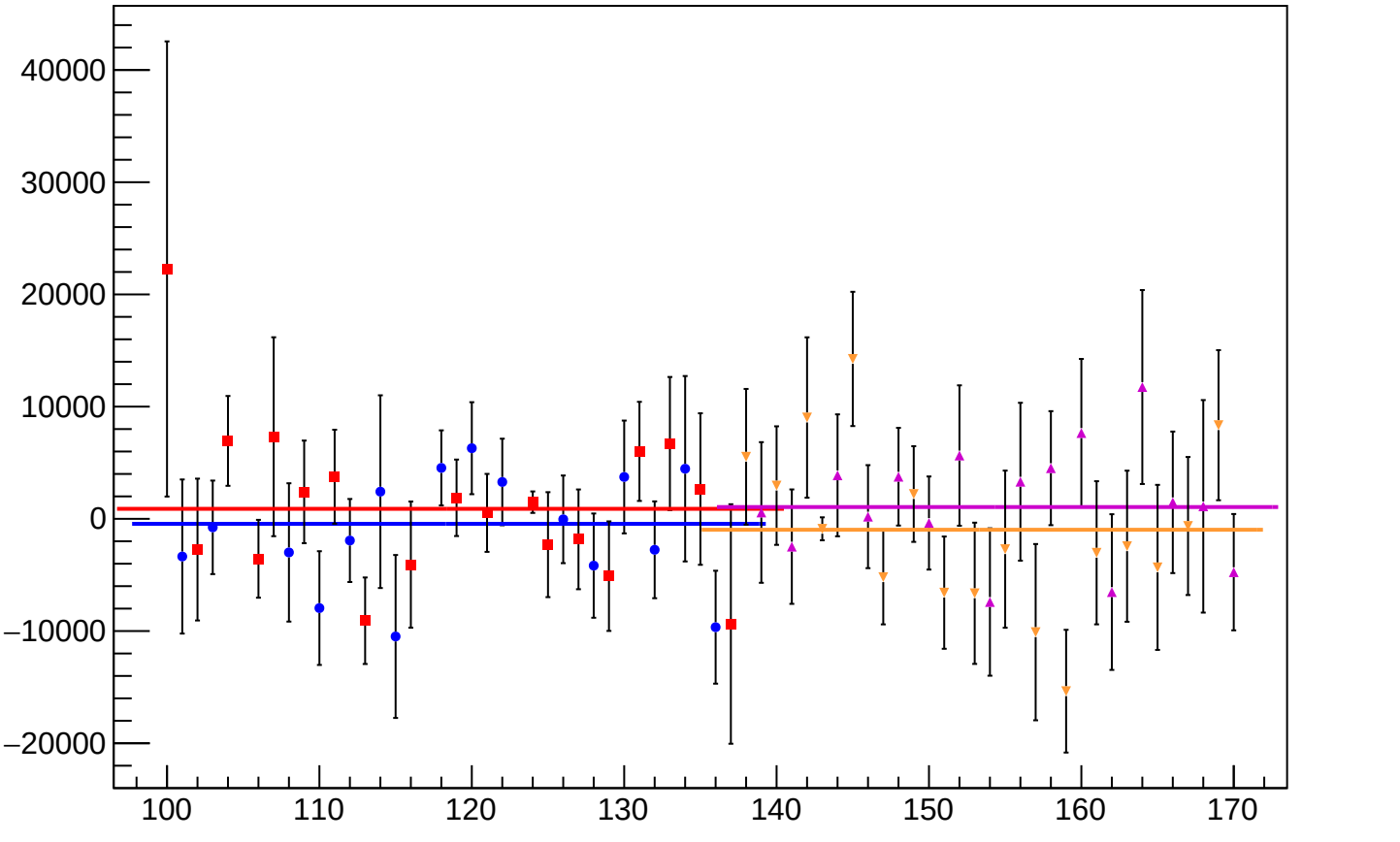
Left: 1902.313+/-0.261 χ^2/NDF: 262760.6/32

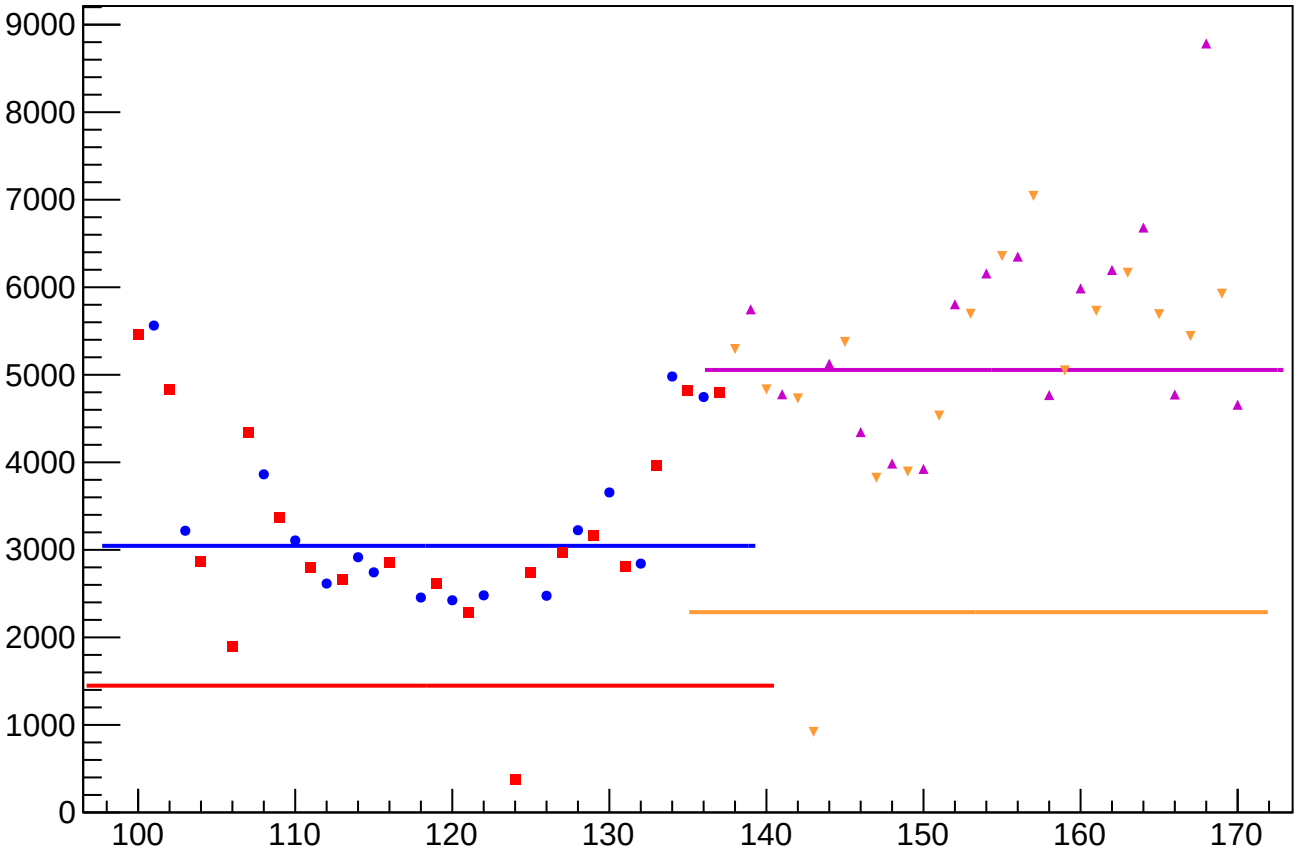
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1837.095+/-0.290 χ^2/NDF:739236.4/31

Out: 1847.148+/-0.289 χ^2/NDF:636253.1/35

All: 1842.138+/-0.205 χ^2/NDF: 1376092.4/67


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -974.114+/-836.808 χ²/NDF:24.4/16
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 1051.658+/-1422.084 χ²/NDF:9.0/15
Left: -453.084+/-721.209 χ²/NDF: 35.0/32
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: 162.309+/-905.554 χ²/NDF:25.6/31
Out: 91.061+/-548.268 χ²/NDF:47.3/35
All: 110.172+/-469.004 χ²/NDF: 73.0/67



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2288.211+/-0.592 χ^2/NDF:11554659.8/16

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5055.520+/-1.006 χ^2/NDF:998057.3/15

Left: 2999.965+/-0.510 χ^2/NDF: 18178284.4/32

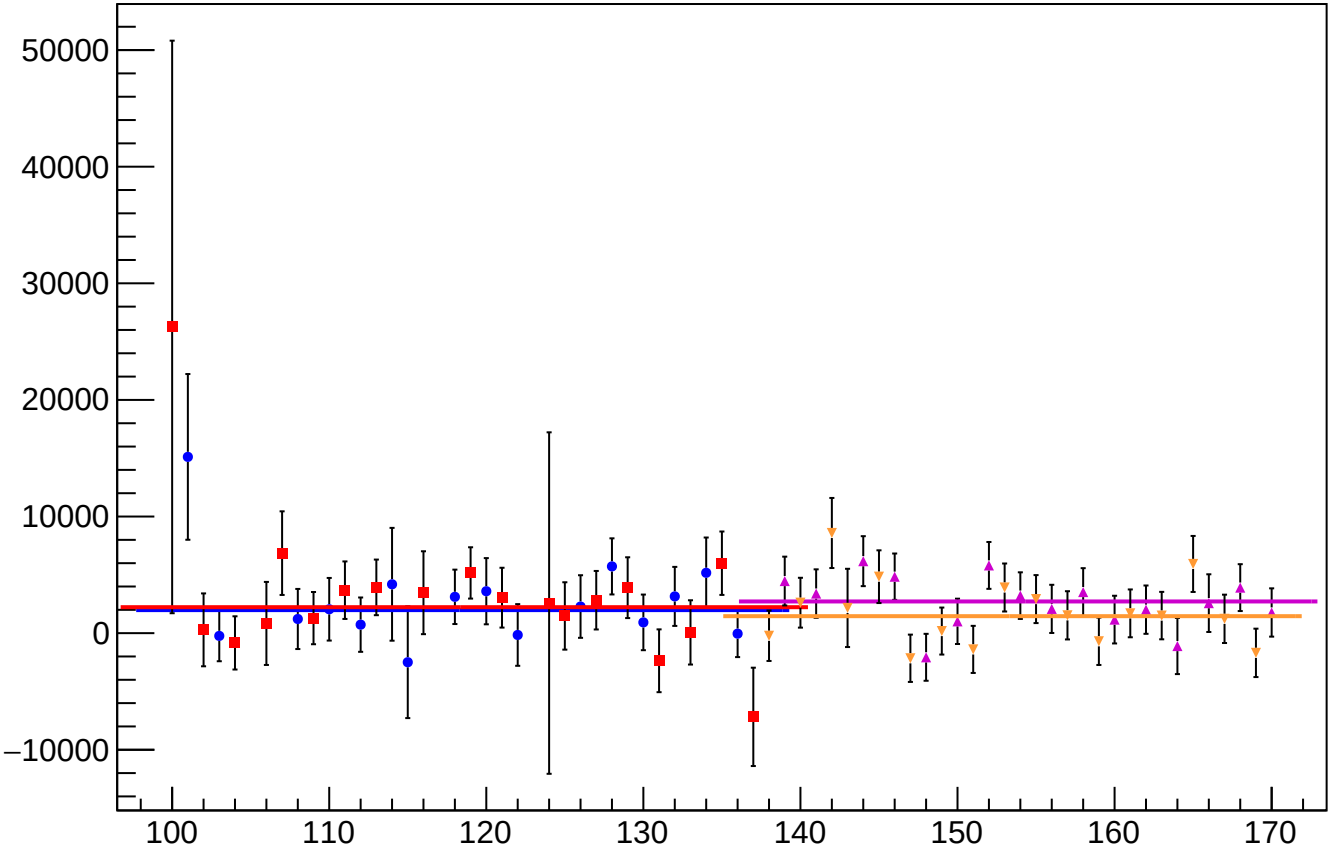
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3860.787+/-0.640 χ^2/NDF:4279879.3/31

Out: 1808.977+/-0.388 χ^2/NDF:19490918.2/35

All: 2359.357+/-0.332 χ^2/NDF: 31284322.4/6

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1455.860+/-524.897 χ^2/NDF:23.2/16

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2717.943+/-519.647 χ^2/NDF:17.4/15

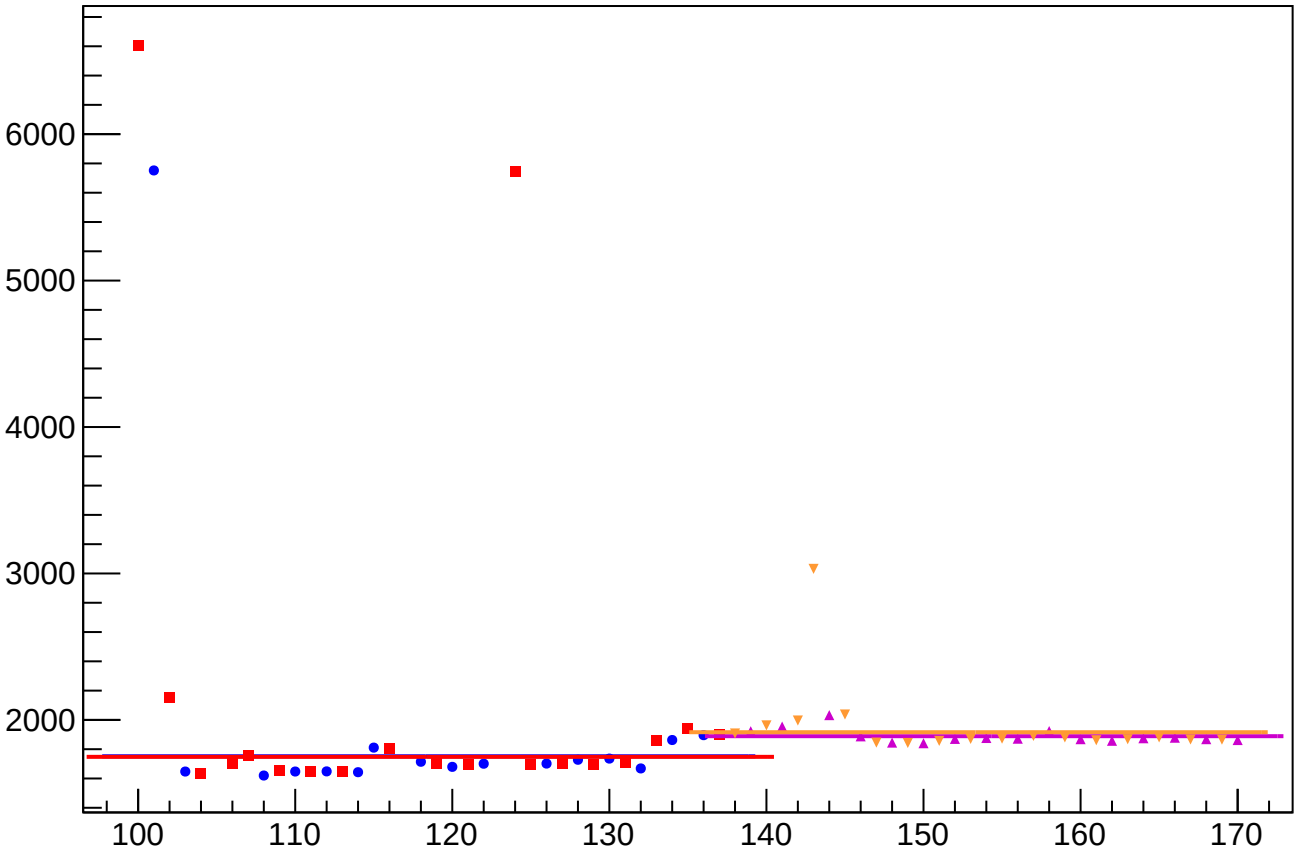
Left: 2093.245+/-369.288 χ^2/NDF: 43.6/32

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2438.054+/-410.090 χ^2/NDF:30.3/31

Out: 1756.414+/-409.916 χ^2/NDF:43.1/35

All: 2097.090+/-289.916 χ^2/NDF: 74.8/67



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1916.025+/-0.371 χ^2/NDF:244114.9/16

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

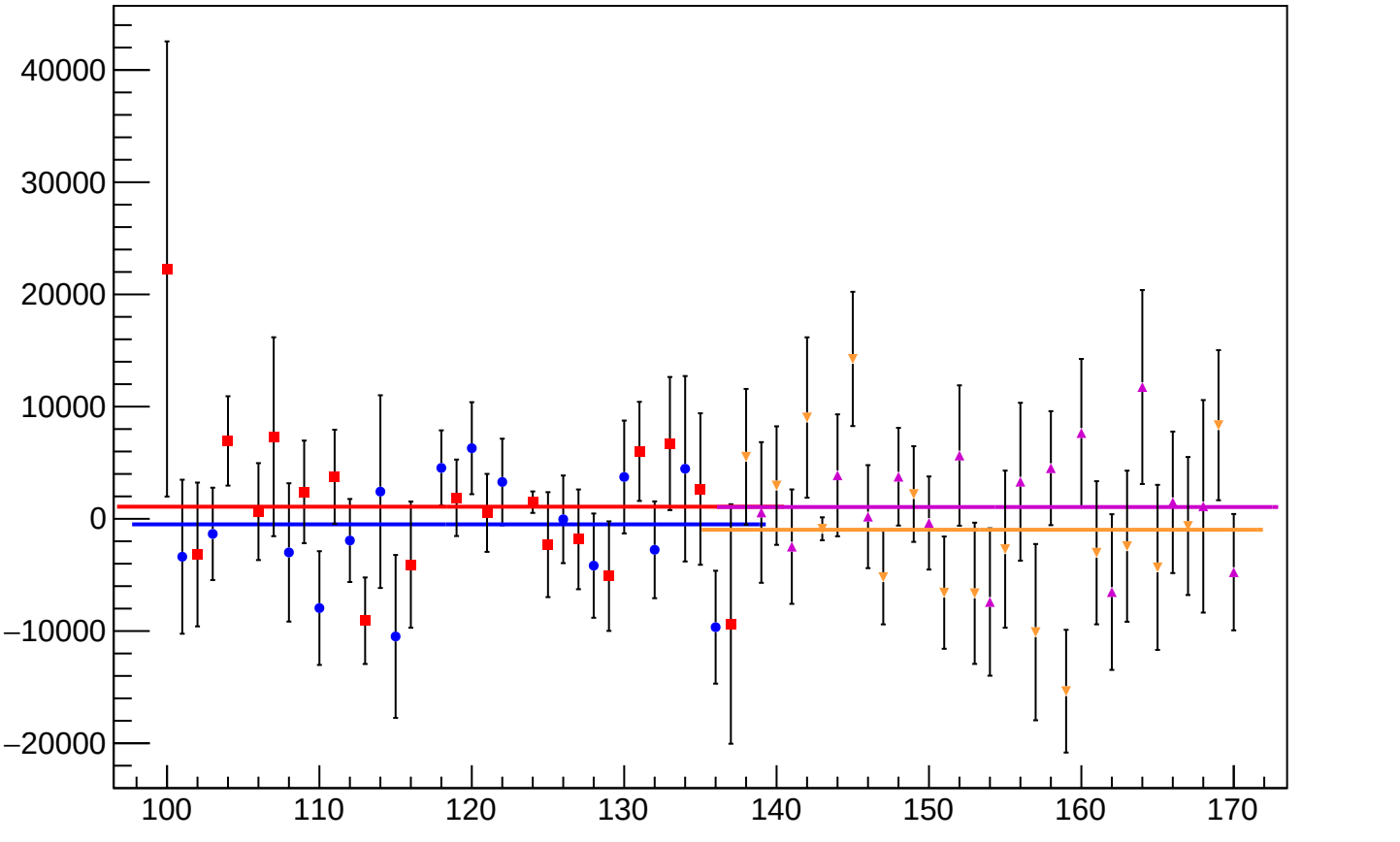
Left: 1902.313+/-0.261 χ^2/NDF: 262760.6/32

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1837.095+/-0.290 χ^2/NDF:739236.9/31

Out: 1850.090+/-0.289 χ^2/NDF:622555.6/35

All: 1843.605+/-0.205 χ^2/NDF: 1362798.5/67



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -973.935+/-836.785 χ^2/NDF:24.4/16

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1051.721+/-1422.083 χ^2/NDF:9.0/15

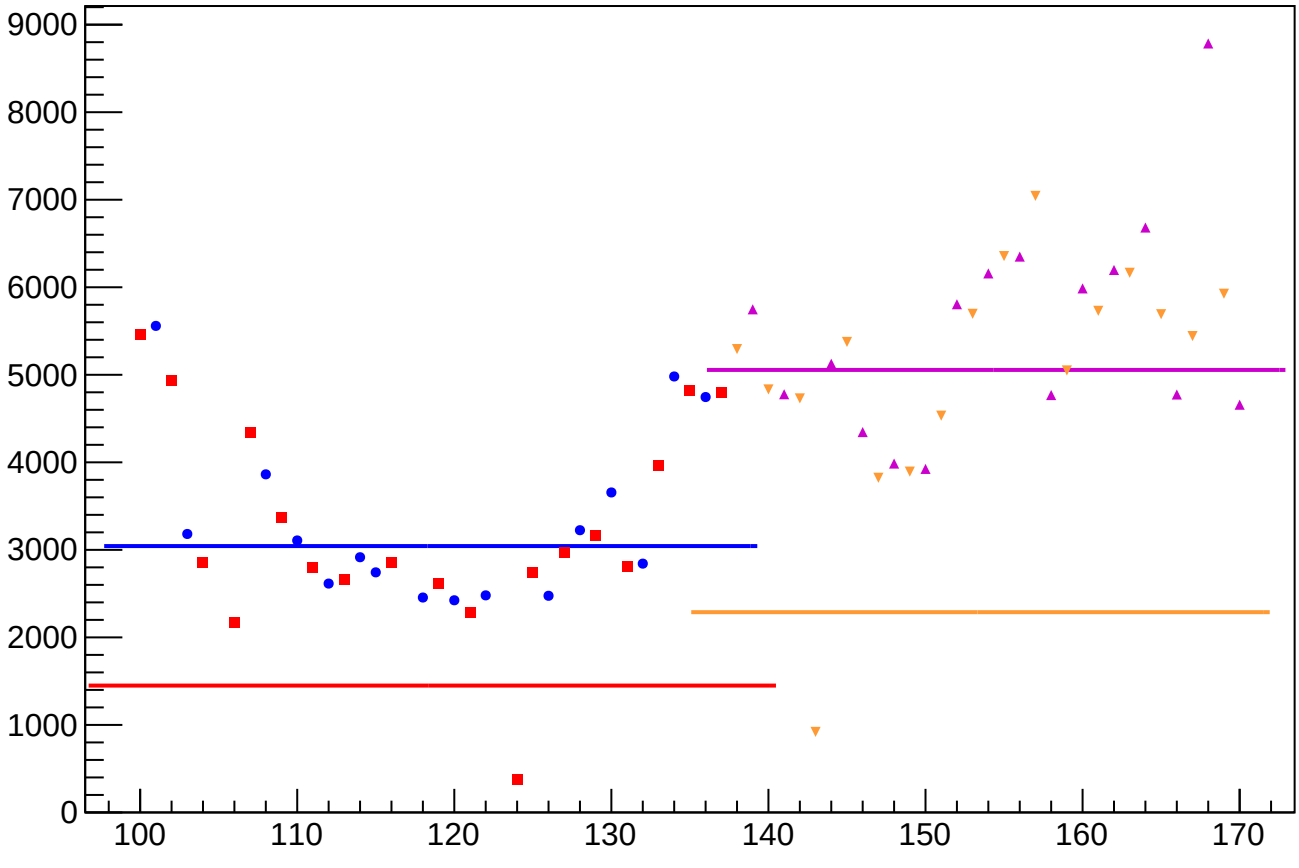
Left: -452.955+/-721.195 χ^2/NDF: 35.0/32

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 132.649+/-904.999 χ^2/NDF:25.7/31

Out: 190.884+/-550.716 χ^2/NDF:46.3/35

All: 175.147+/-470.456 χ^2/NDF: 72.0/67



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2288.110+/-0.592 χ^2/NDF:11555145.6/16

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5055.516+/-1.006 χ^2/NDF:998058.7/15

Left: 2999.861+/-0.510 χ^2/NDF: 18179250.9/32

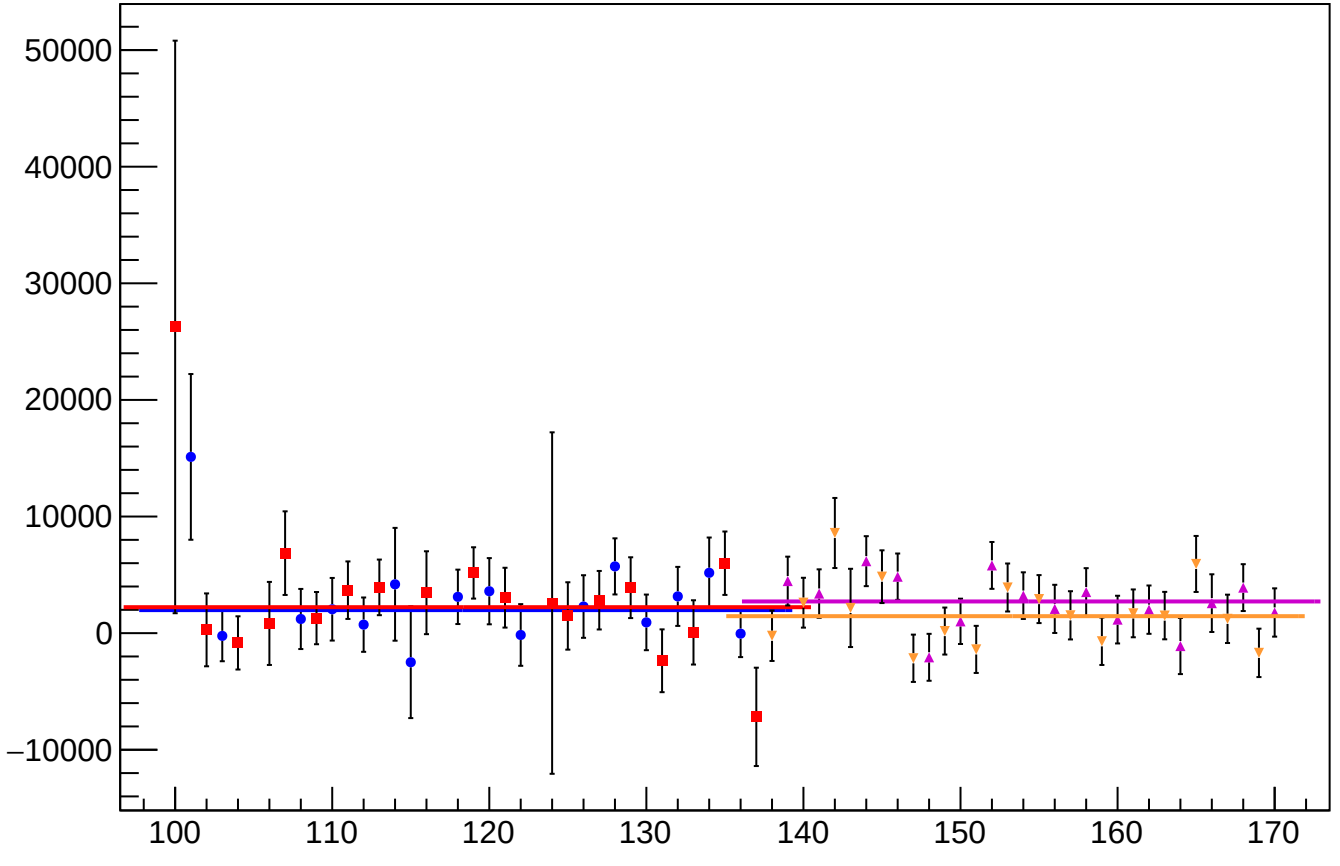
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3858.213+/-0.640 χ^2/NDF:4286396.5/31

Out: 1812.744+/-0.389 χ^2/NDF:19519492.6/35

All: 2365.502+/-0.333 χ^2/NDF: 31261833.5/6

eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1455.860+/-524.897 χ^2/NDF:23.2/16

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2717.943+/-519.647 χ^2/NDF:17.4/15

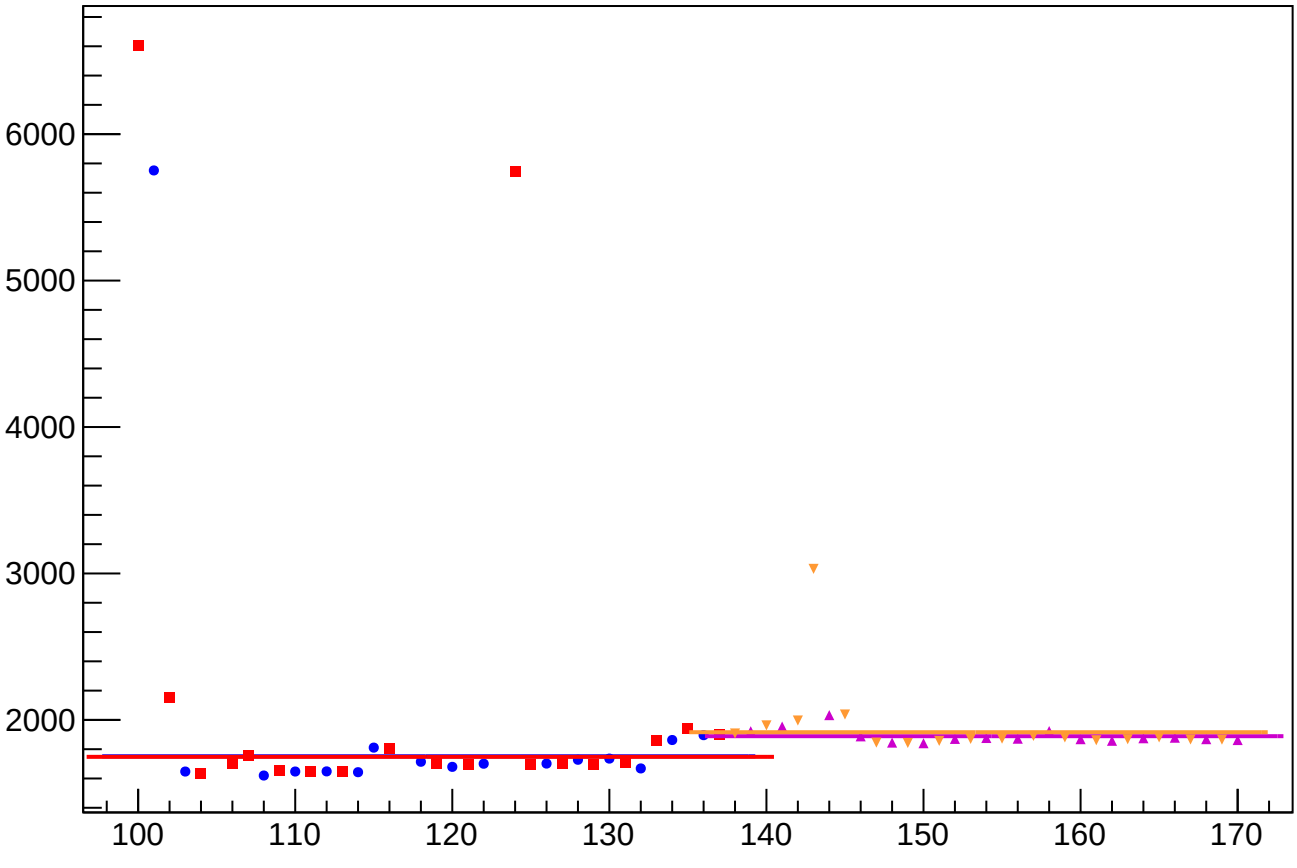
Left: 2093.245+/-369.288 χ^2/NDF: 43.6/32

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2438.054+/-410.090 χ^2/NDF:30.3/31

Out: 1756.414+/-409.916 χ^2/NDF:43.1/35

All: 2097.090+/-289.916 χ^2/NDF: 74.8/67



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1916.025+/-0.371 χ^2/NDF:244114.9/16

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

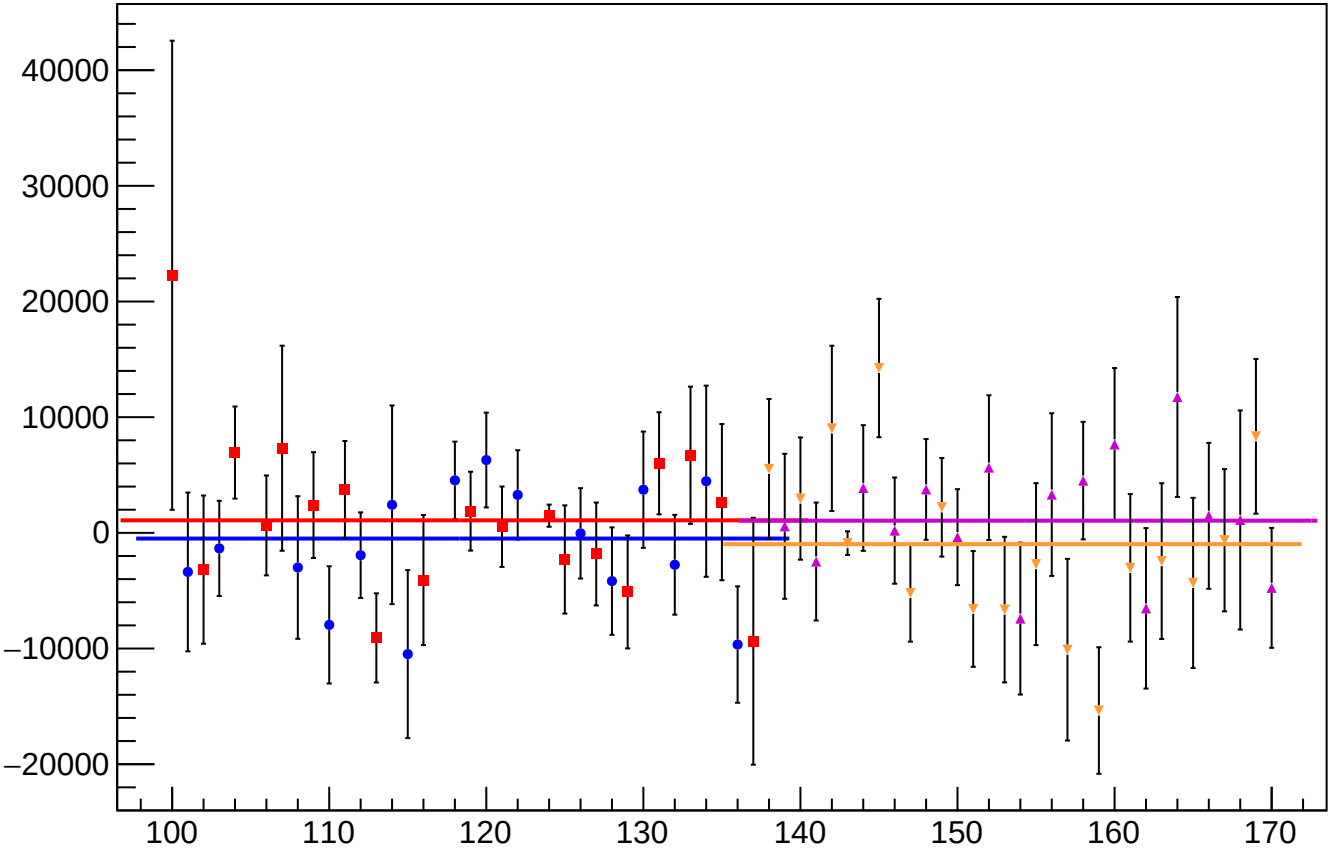
Left: 1902.313+/-0.261 χ^2/NDF: 262760.6/32

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1837.095+/-0.290 χ^2/NDF:739236.9/31

Out: 1850.090+/-0.289 χ^2/NDF:622555.6/35

All: 1843.605+/-0.205 χ^2/NDF: 1362798.5/67



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -973.935+/-836.785 χ^2/NDF:24.4/16

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1051.721+/-1422.083 χ^2/NDF:9.0/15

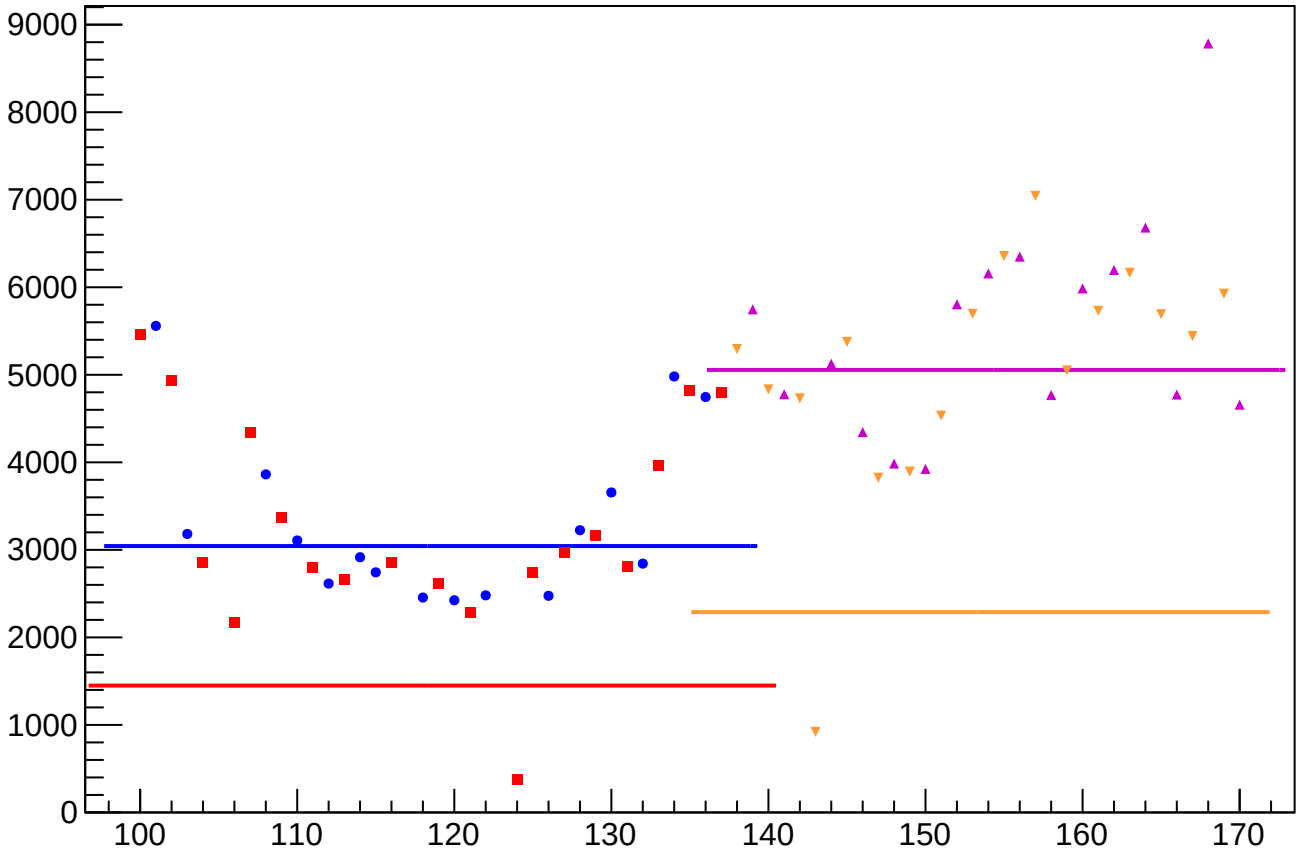
Left: -452.955+/-721.195 χ^2/NDF: 35.0/32

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 132.649+/-904.999 χ^2/NDF:25.7/31

Out: 190.884+/-550.716 χ^2/NDF:46.3/35

All: 175.147+/-470.456 χ^2/NDF: 72.0/67



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2288.110+/-0.592 χ^2/NDF:11555145.6/16

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5055.516+/-1.006 χ^2/NDF:998058.7/15

Left: 2999.861+/-0.510 χ^2/NDF: 18179250.9/32

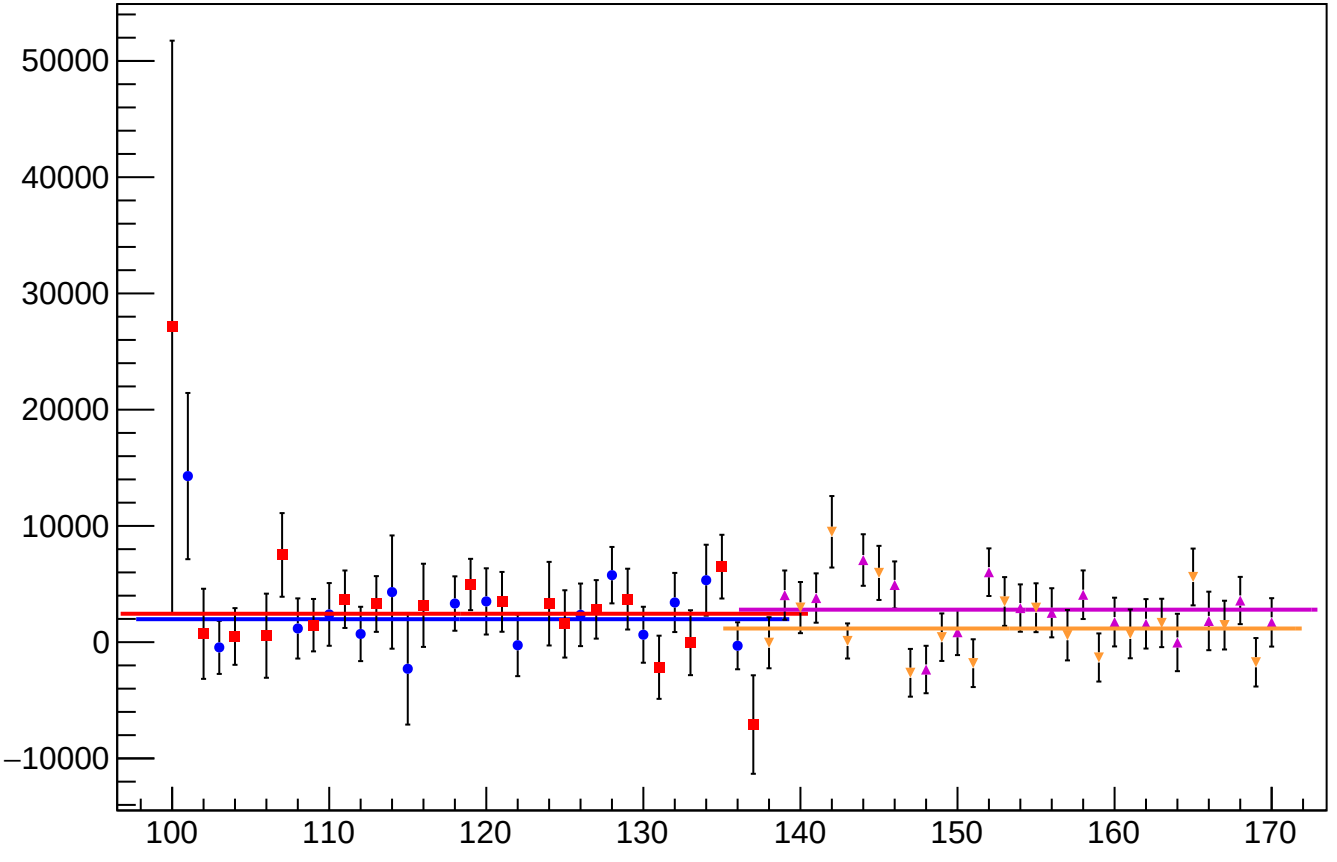
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3858.213+/-0.640 χ^2/NDF:4286396.5/31

Out: 1812.744+/-0.389 χ^2/NDF:19519492.6/35

All: 2365.502+/-0.333 χ^2/NDF: 31261833.5/6

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1174.660+/-510.447 χ^2/NDF:27.5/16

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2795.124+/-529.595 χ^2/NDF:18.1/15

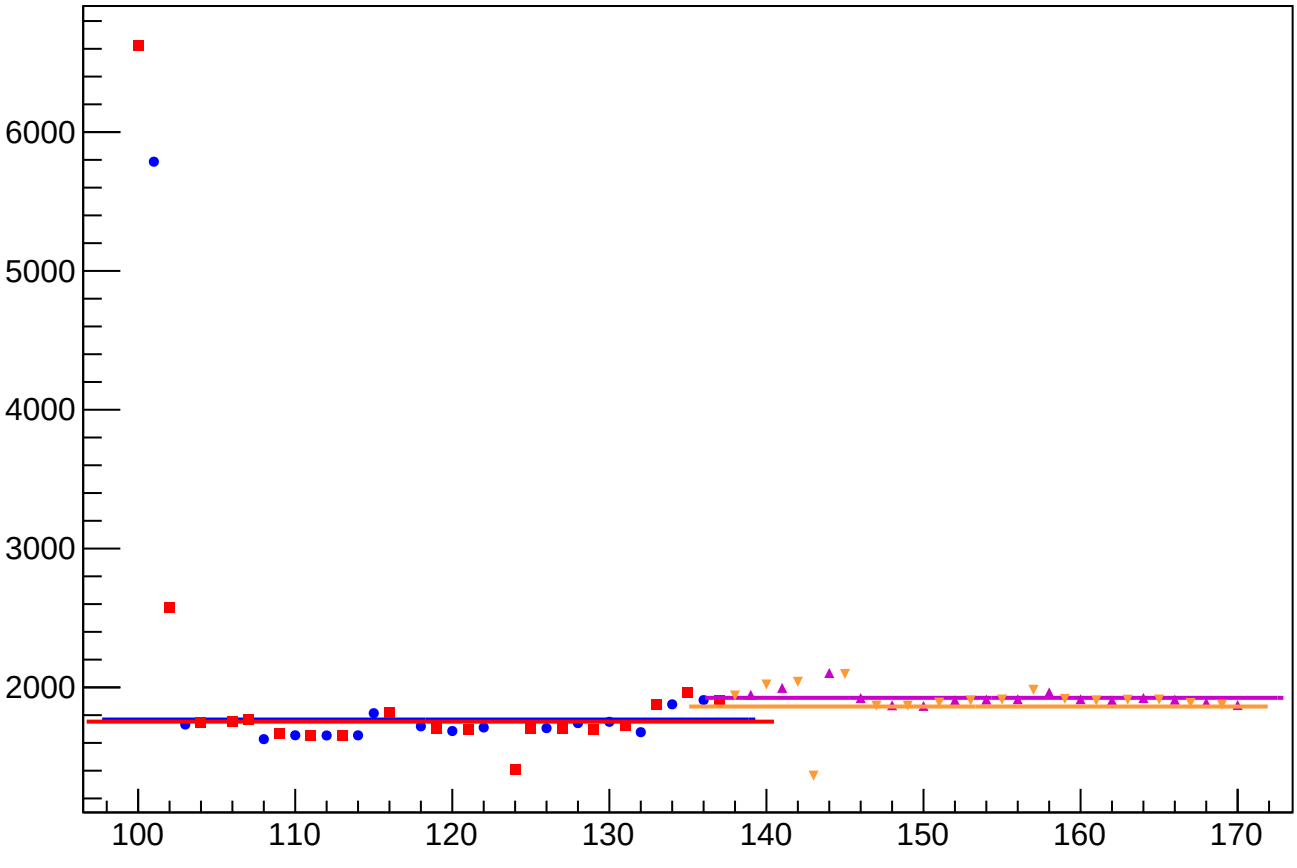
Left: 1955.067+/-367.523 χ^2/NDF: 50.4/32

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2482.419+/-416.444 χ^2/NDF:31.4/31

Out: 1651.914+/-403.244 χ^2/NDF:47.3/35

All: 2053.796+/-289.691 χ^2/NDF: 80.8/67



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1862.147+/-0.361 χ^2/NDF:270457.5/16

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1924.755+/-0.374 χ^2/NDF:21692.3/15

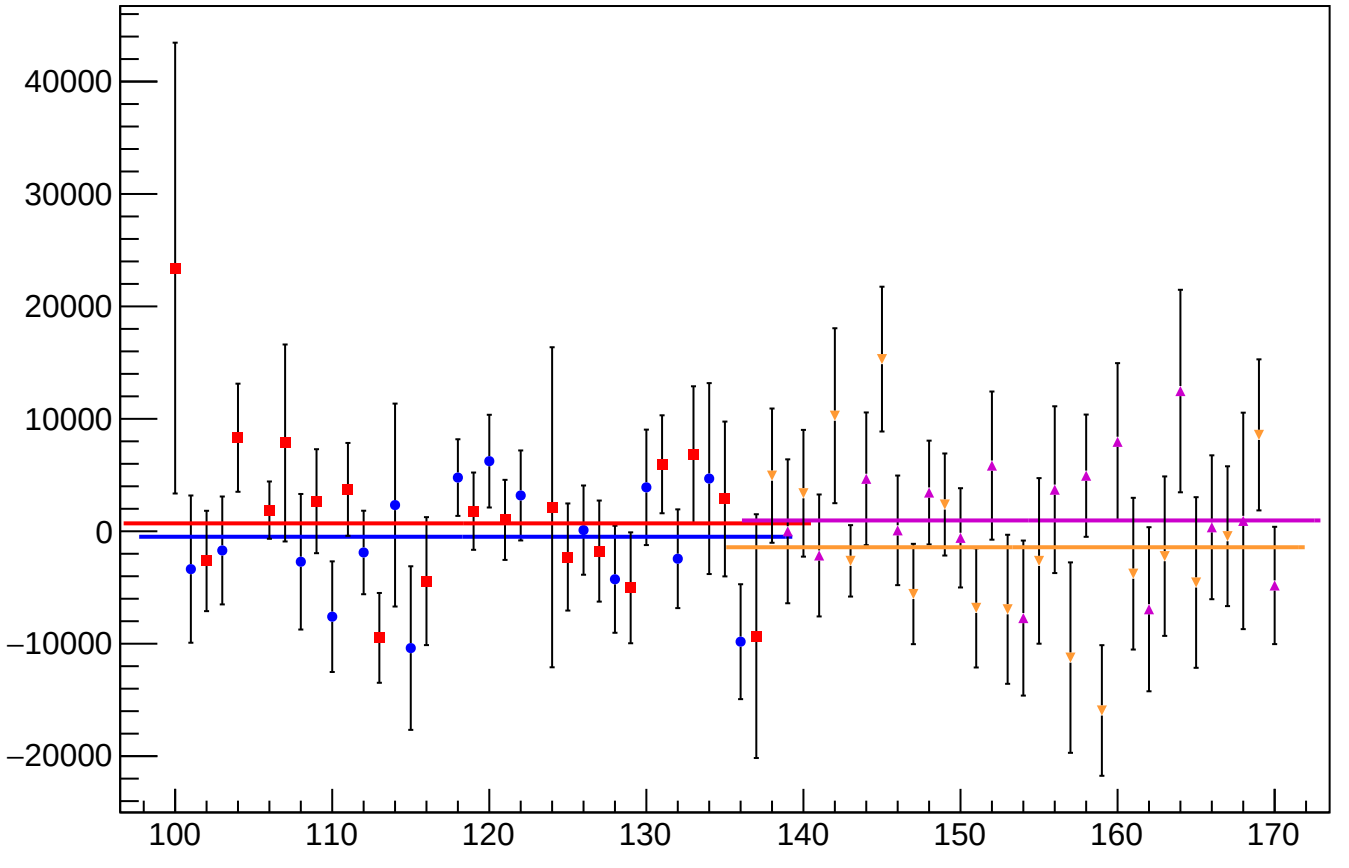
Left: 1892.298+/-0.260 χ^2/NDF: 306639.8/32

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1865.110+/-0.294 χ^2/NDF:755525.8/31

Out: 1821.124+/-0.285 χ^2/NDF:523570.5/35

All: 1842.387+/-0.205 χ^2/NDF: 1290623.1/67



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1420.038+/-1379.288 χ^2/NDF:24.5/16

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 963.062+/-1495.601 χ^2/NDF:9.0/15

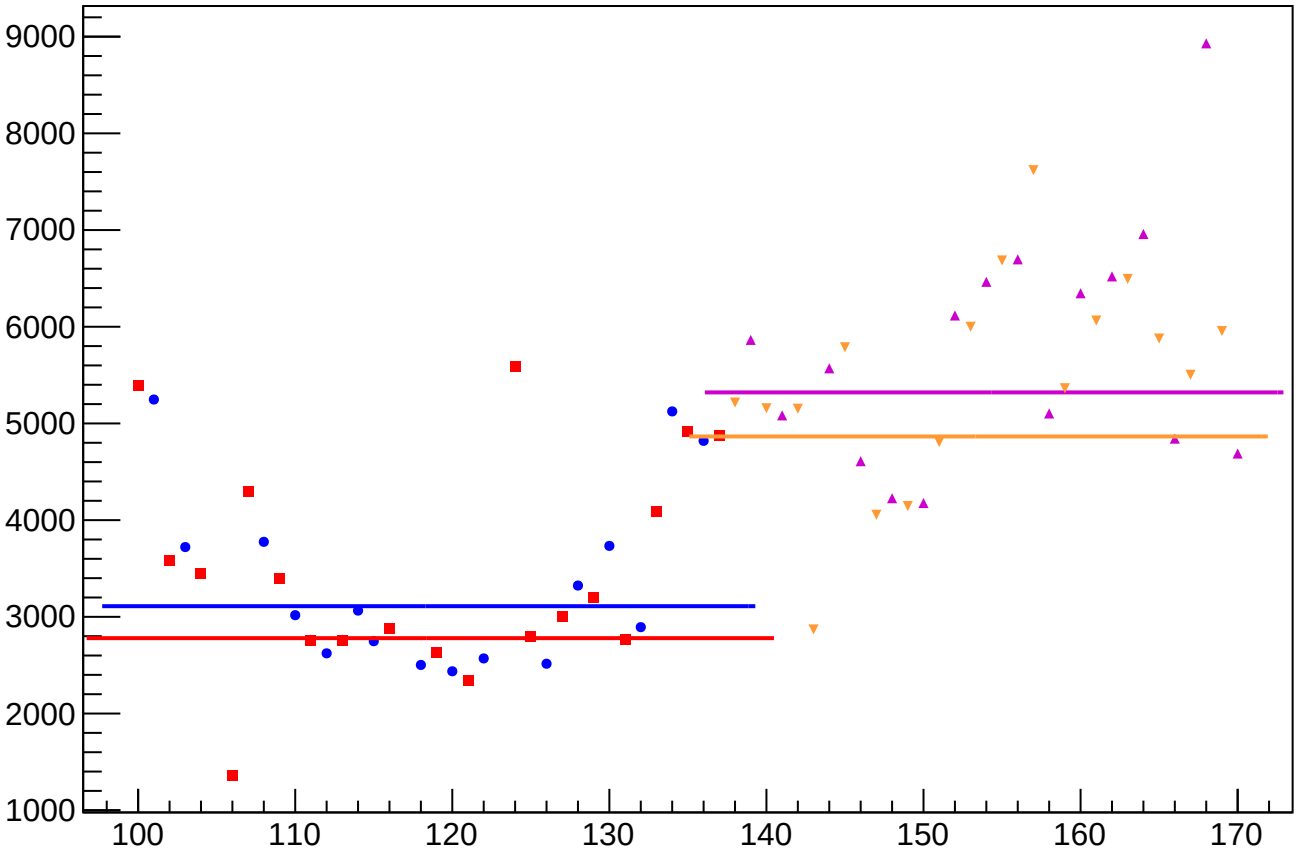
Left: -324.747+/-1013.934 χ^2/NDF: 34.9/32

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 79.372+/-935.258 χ^2/NDF:25.4/31

Out: -93.938+/-845.169 χ^2/NDF:44.8/35

All: -16.030+/-627.062 χ^2/NDF: 70.2/67



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4865.340+/-0.975 χ^2/NDF:1646820.7/16

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5321.184+/-1.058 χ^2/NDF:952490.2/15

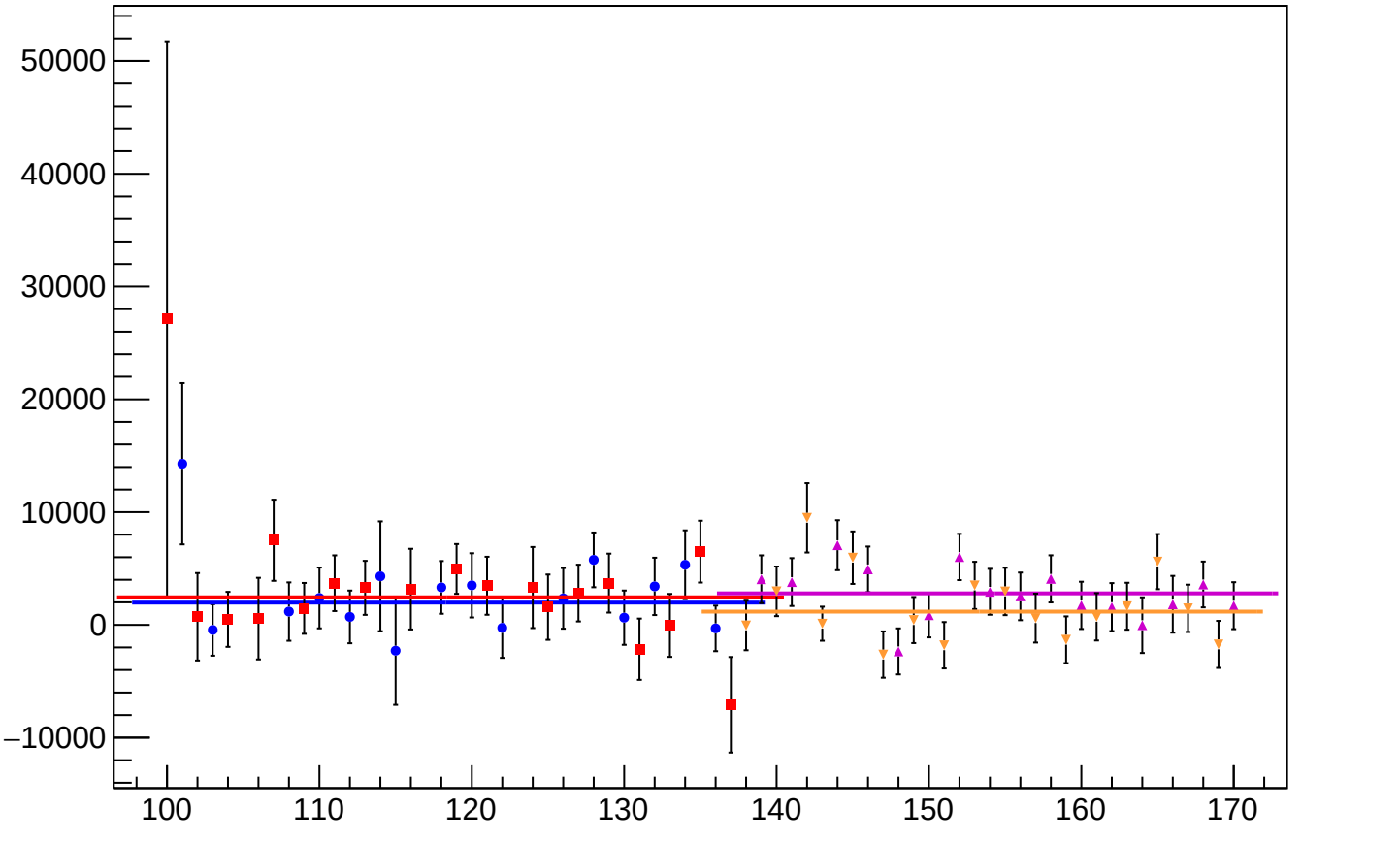
Left: 5074.850+/-0.717 χ^2/NDF: 2699712.1/32

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3974.762+/-0.661 χ^2/NDF:4497571.6/31

Out: 3562.755+/-0.598 χ^2/NDF:5851107.0/35

All: 3747.964+/-0.443 χ^2/NDF: 10562331.9/6



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1174.656+/-510.447 χ^2/NDF:27.5/16

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2795.124+/-529.596 χ^2/NDF:18.1/15

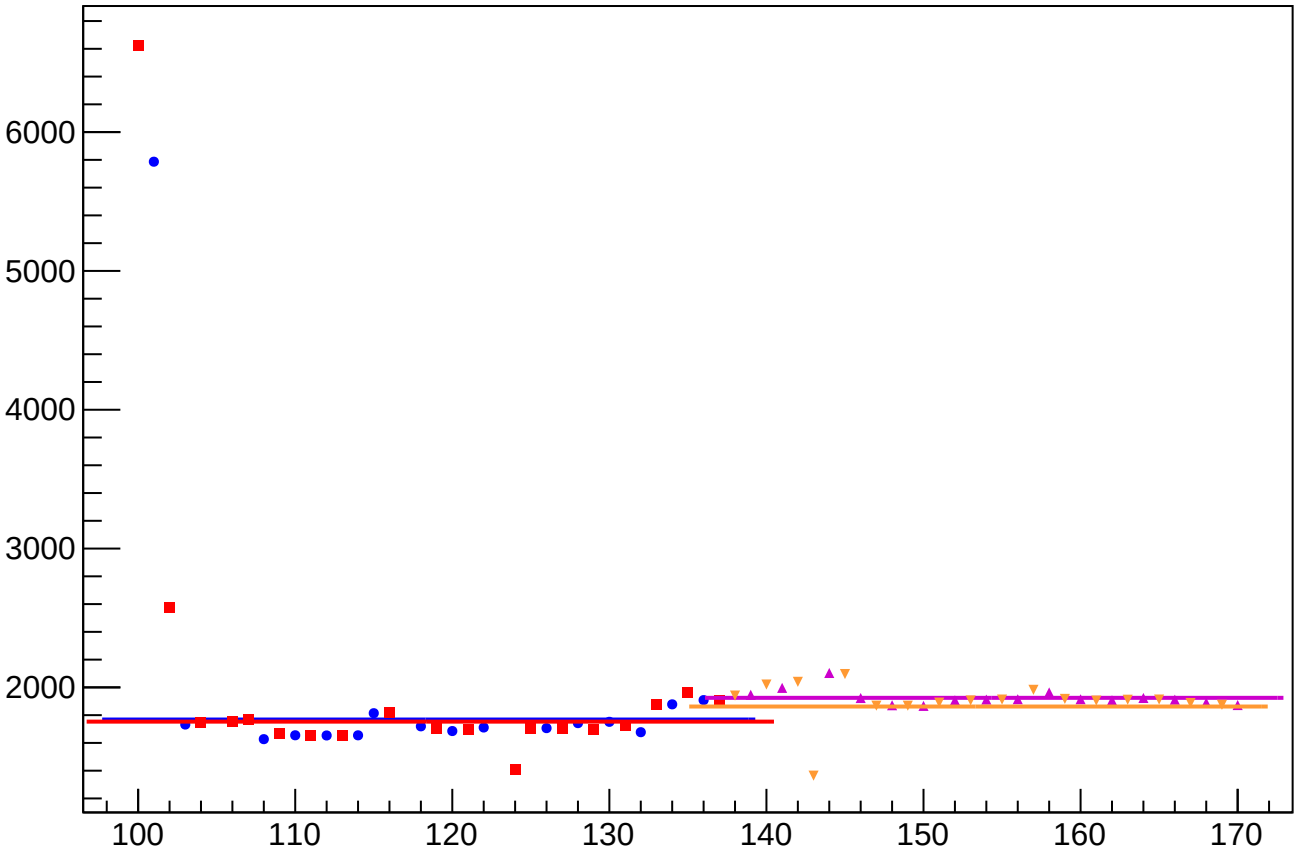
Left: 1955.065+/-367.524 χ^2/NDF: 50.4/32

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2482.419+/-416.444 χ^2/NDF:31.4/31

Out: 1651.912+/-403.244 χ^2/NDF:47.3/35

All: 2053.795+/-289.691 χ^2/NDF: 80.8/67



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1862.147+/-0.361 χ^2/NDF:270458.8/16

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1924.756+/-0.374 χ^2/NDF:21692.6/15

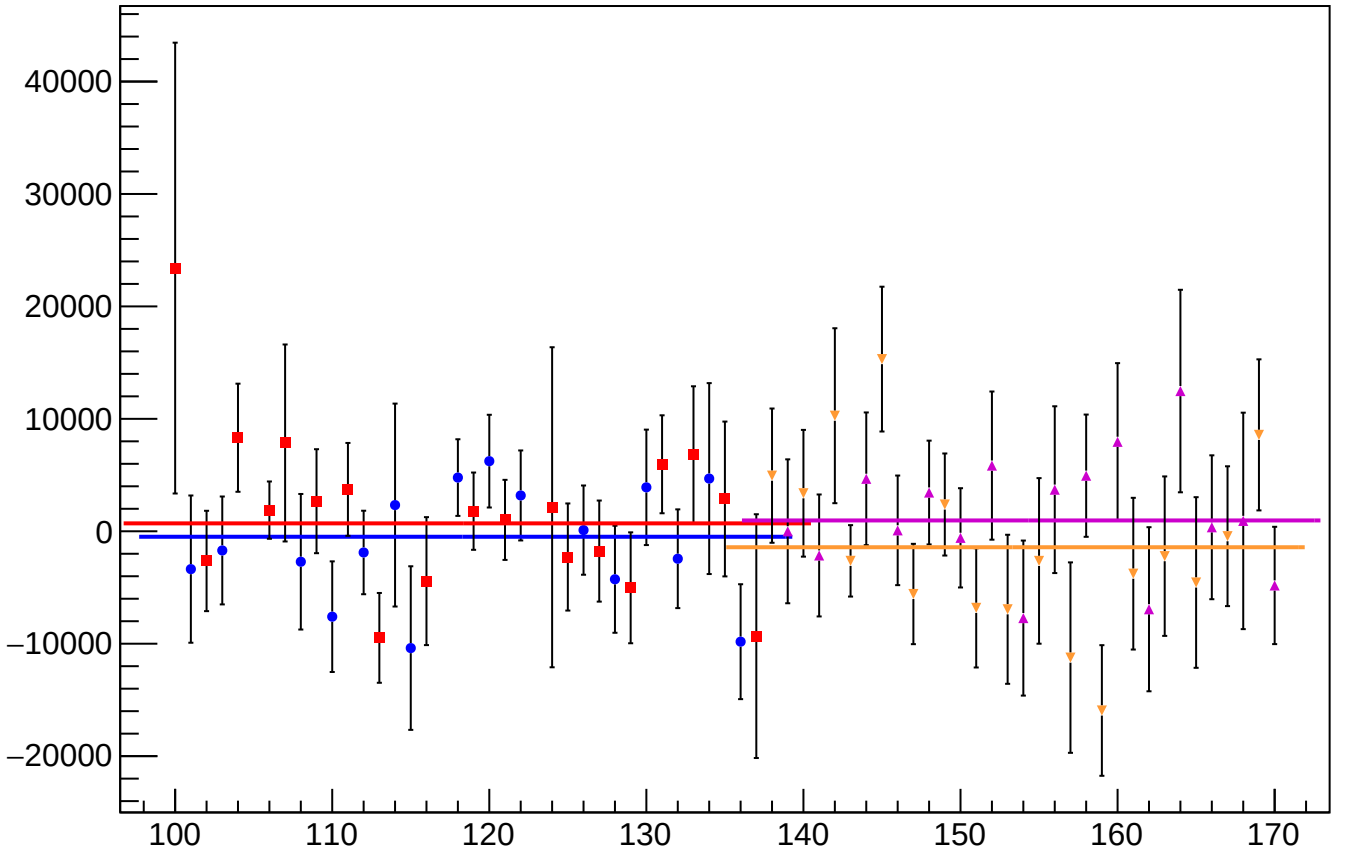
Left: 1892.299+/-0.260 χ^2/NDF: 306641.6/32

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1865.111+/-0.294 χ^2/NDF:755527.0/31

Out: 1821.124+/-0.285 χ^2/NDF:523572.4/35

All: 1842.387+/-0.205 χ^2/NDF: 1290626.4/67



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1420.044+/-1379.290 χ^2/NDF:24.5/16

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 963.061+/-1495.603 χ^2/NDF:9.0/15

Left: -324.750+/-1013.935 χ^2/NDF: 34.9/32

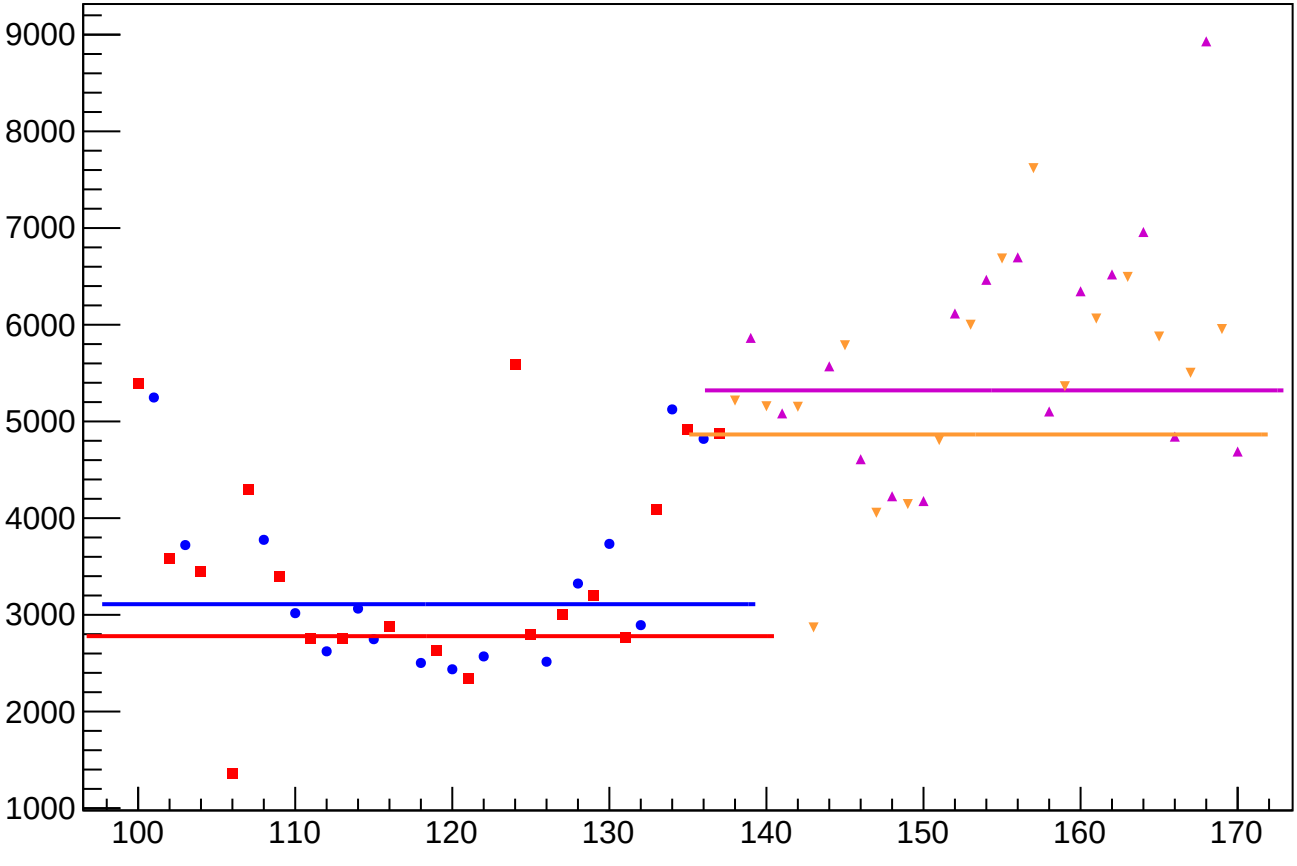
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 79.373+/-935.256 χ^2/NDF:25.4/31

Out: -93.935+/-845.167 χ^2/NDF:44.8/35

All: -16.028+/-627.061 χ^2/NDF: 70.2/67

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4865.345+/-0.975 χ^2/NDF:1646828.4/16

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5321.189+/-1.058 χ^2/NDF:952494.2/15

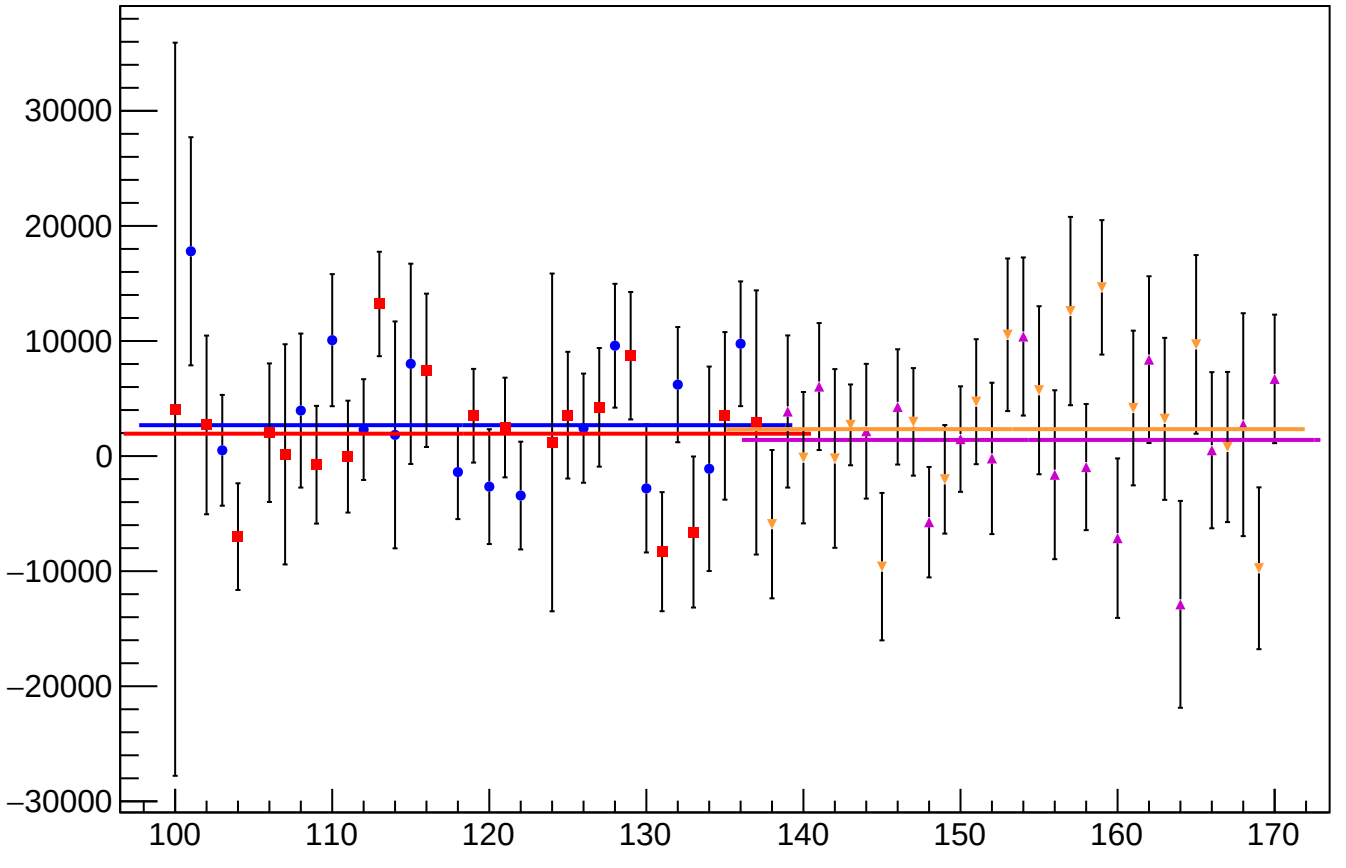
Left: 5074.855+/-0.717 χ^2/NDF: 2699724.2/32

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3974.752+/-0.661 χ^2/NDF:4497629.2/31

Out: 3562.744+/-0.598 χ^2/NDF:5851185.6/35

All: 3747.954+/-0.443 χ^2/NDF: 10562470.9/6



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2340.396+/-1428.912 χ^2/NDF:18.3/16

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1403.932+/-1527.405 χ^2/NDF:11.4/15

Left: 1903.329+/-1043.476 χ^2/NDF: 29.9/32

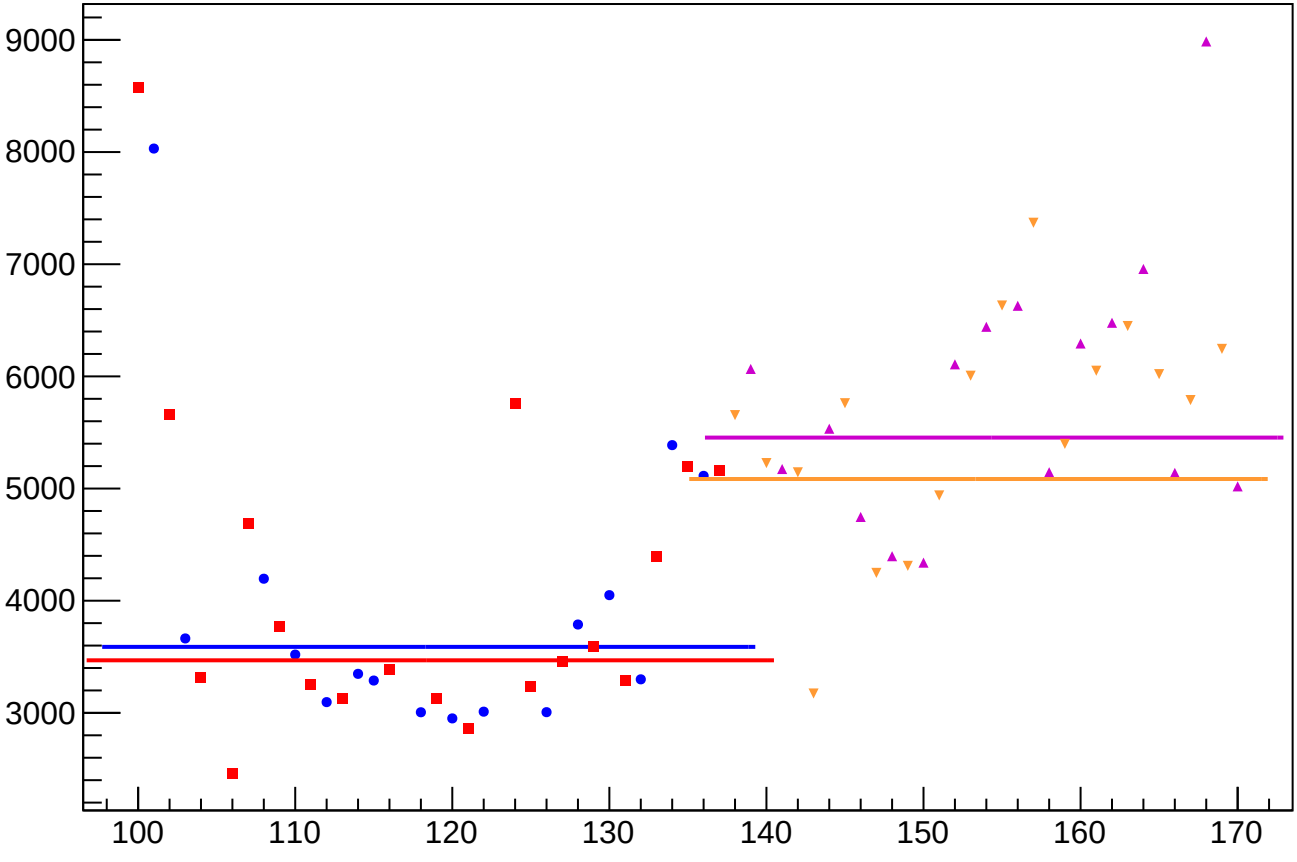
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2109.520+/-1023.927 χ^2/NDF:25.3/31

Out: 2129.348+/-974.713 χ^2/NDF:37.0/35

All: 2119.922+/-705.983 χ^2/NDF: 62.3/67

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5085.104+/-1.010 χ^2/NDF:1264803.9/16

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5454.308+/-1.080 χ^2/NDF:804319.5/15

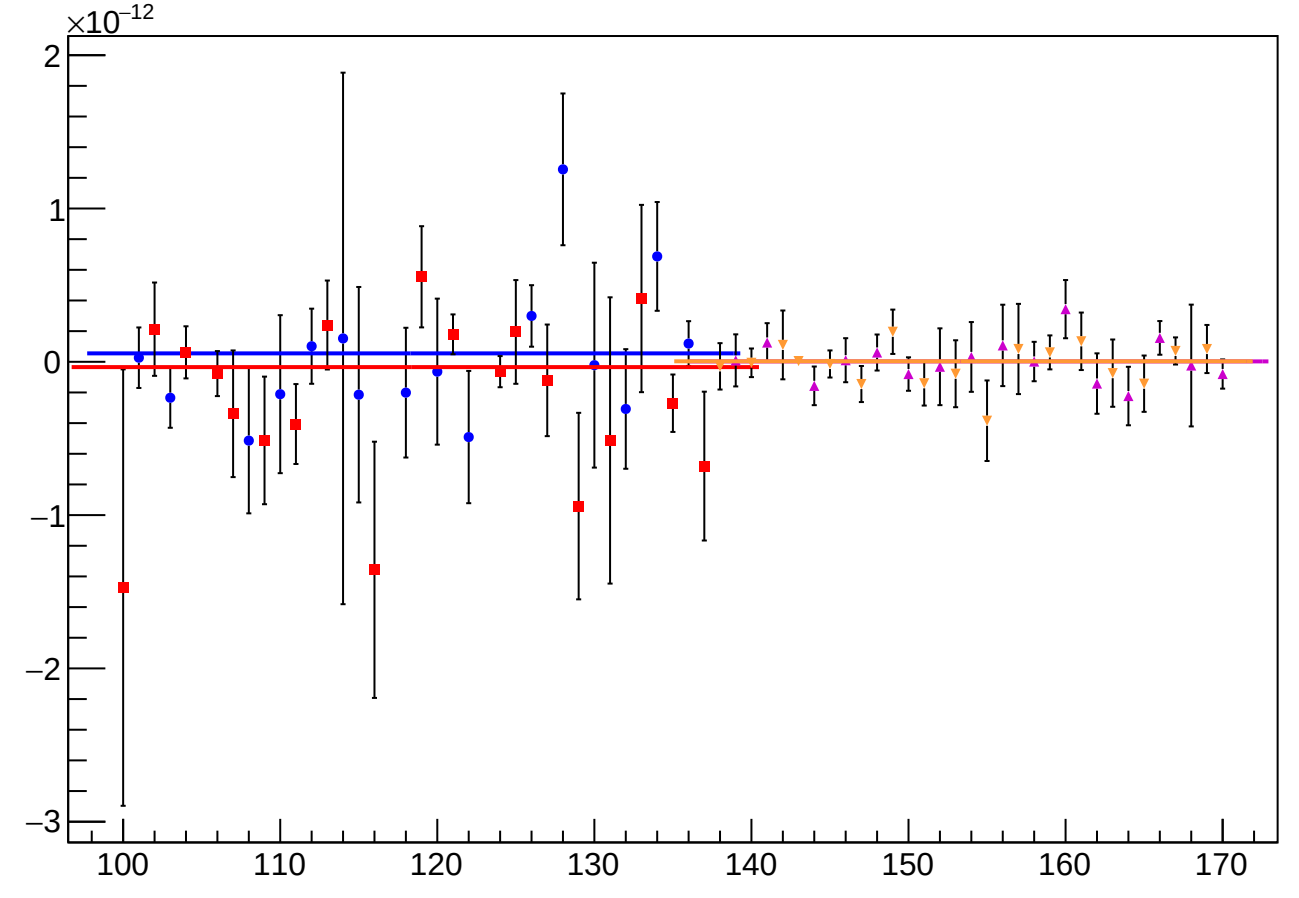
Left: 5257.419+/-0.738 χ^2/NDF: 2131440.7/32

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4426.948+/-0.724 χ^2/NDF:3292879.0/31

Out: 4208.494+/-0.684 χ^2/NDF:3319367.5/35

All: 4311.448+/-0.497 χ^2/NDF: 6660378.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/15

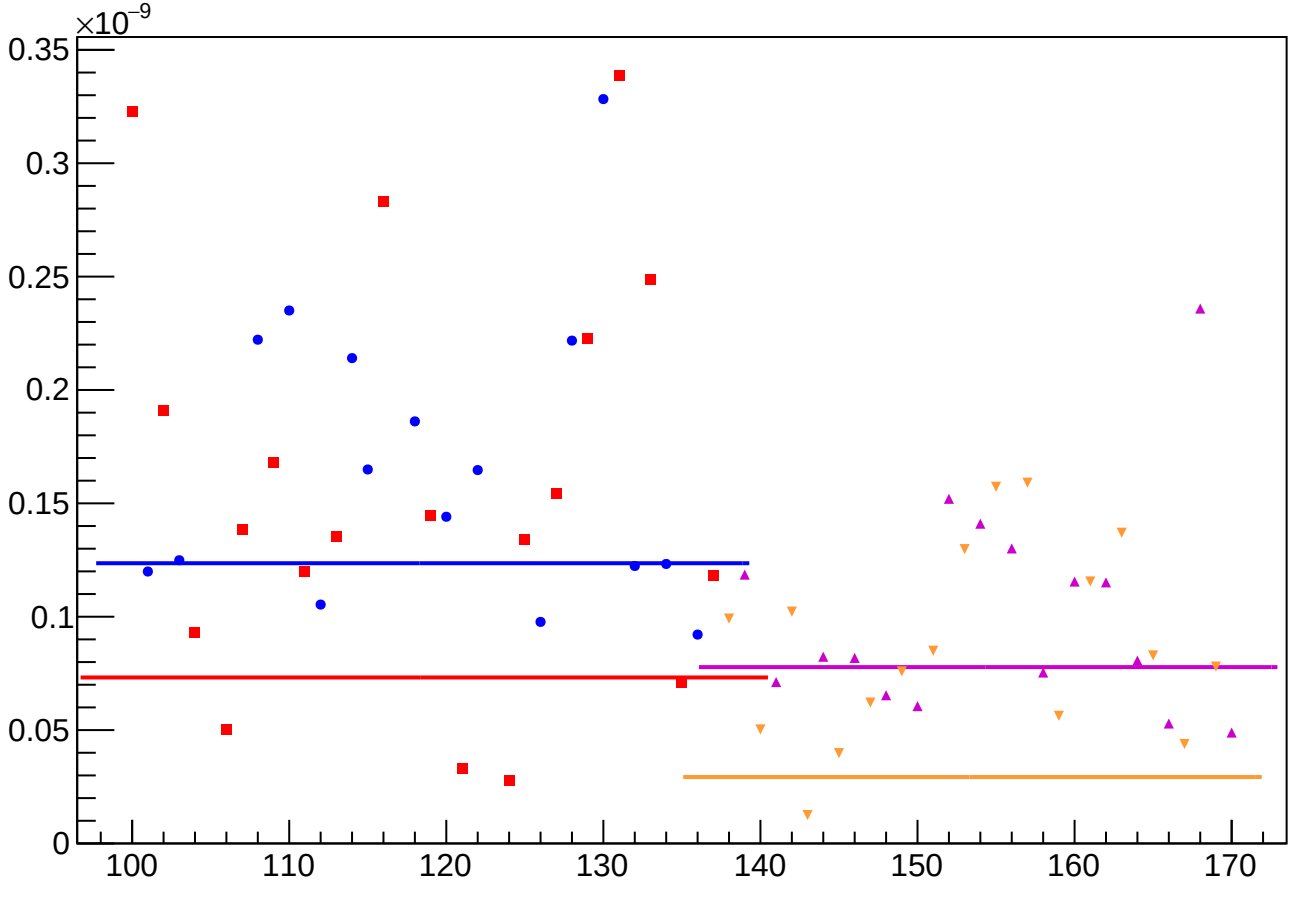
Left: 0.000+/-0.000 χ^2/NDF: 20.8/32

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:29.6/31

Out: -0.000+/-0.000 χ^2/NDF:32.1/35

All: 0.000+/-0.000 χ^2/NDF: 61.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5270435.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1360046.3/15

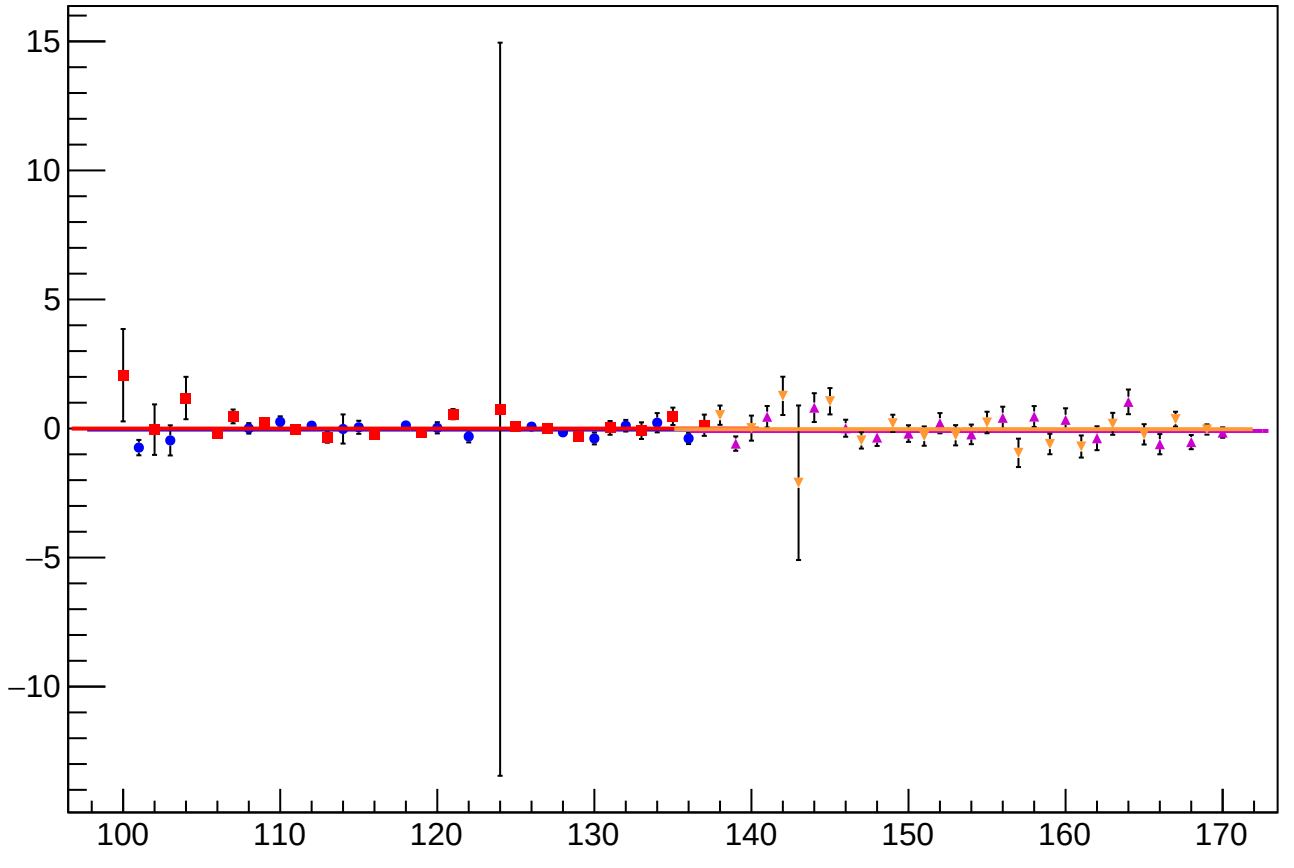
Left: 0.000+/-0.000 χ^2/NDF: 9434669.2/32

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2651127.2/31

Out: 0.000+/-0.000 χ^2/NDF:8669617.1/35

All: 0.000+/-0.000 χ^2/NDF: 15361801.3/67



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.026+/-0.091 χ^2/NDF:23.4/16

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.087 χ^2/NDF:23.4/15

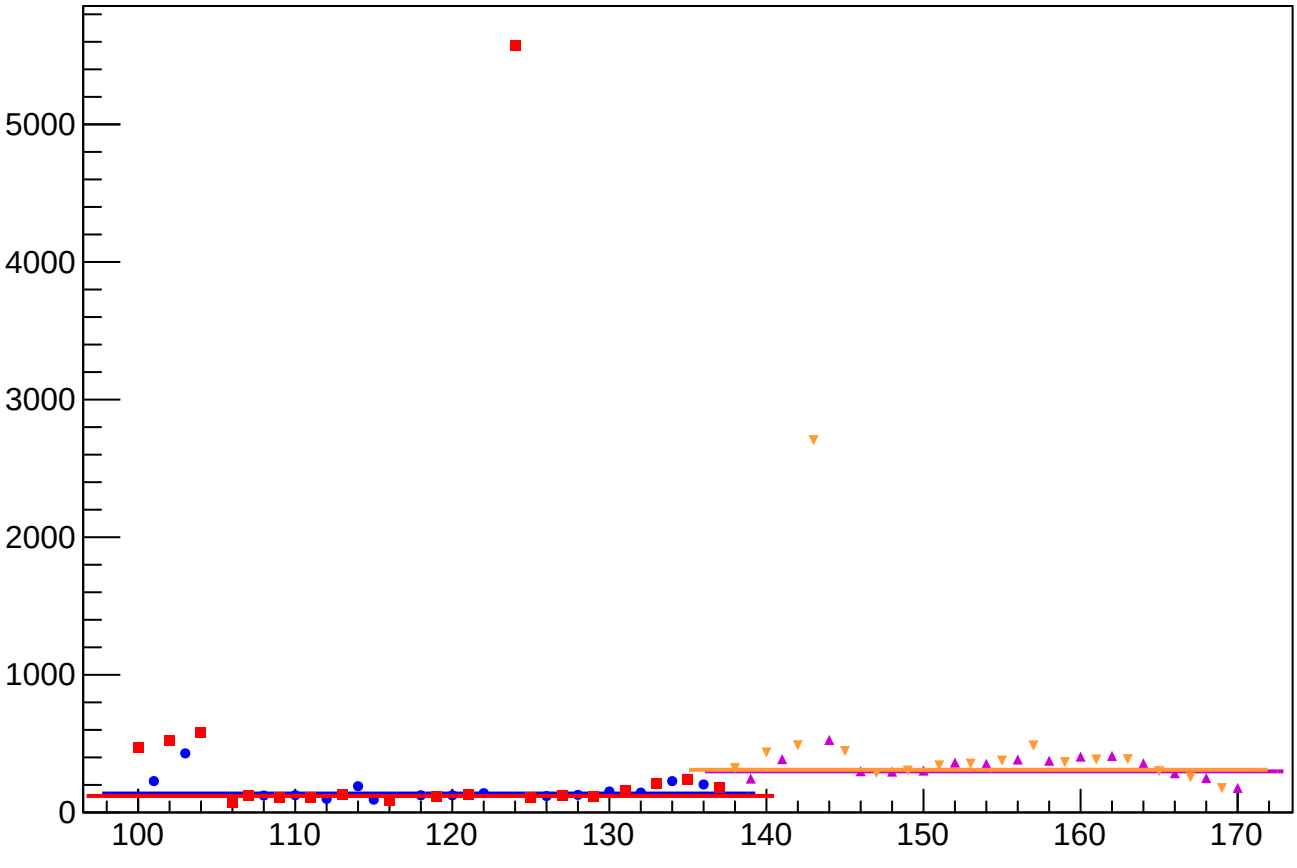
Left: -0.063+/-0.063 χ^2/NDF: 47.1/32

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.008+/-0.044 χ^2/NDF:52.1/35

All: -0.031+/-0.032 χ^2/NDF: 94.3/67



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 310.001+/-0.065 χ^2/NDF:3123791.3/16

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 298.616+/-0.061 χ^2/NDF:1786622.5/15

Left: 304.011+/-0.044 χ^2/NDF: 4926788.5/32

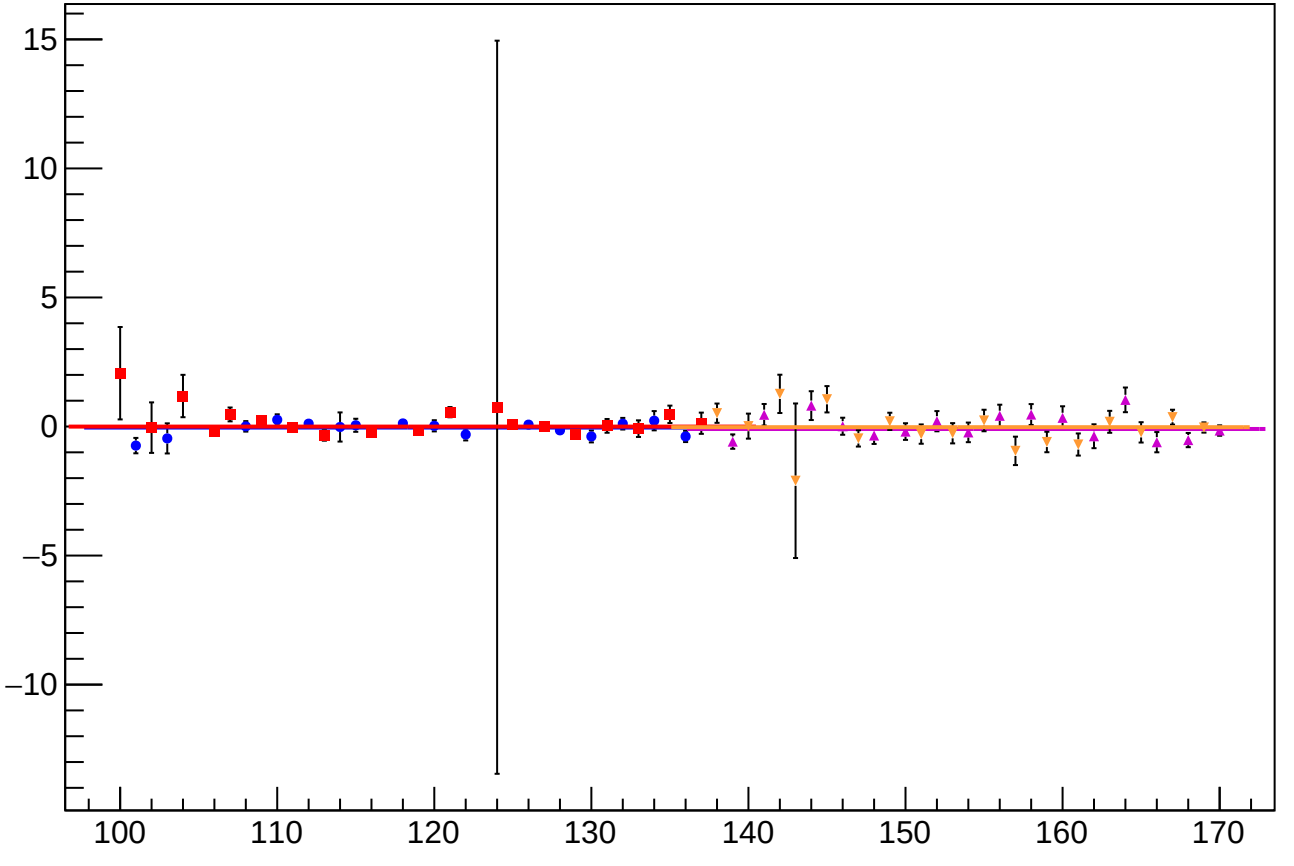
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 184.704+/-0.033 χ^2/NDF:7949861.3/31

Out: 165.113+/-0.031 χ^2/NDF:11872765.9/35

All: 174.384+/-0.023 χ^2/NDF: 20006282.6/67

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: -0.026+/-0.091 χ^2/NDF:23.4/16

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.087 χ^2/NDF:23.4/15

Left: -0.063+/-0.063 χ^2/NDF: 47.1/32

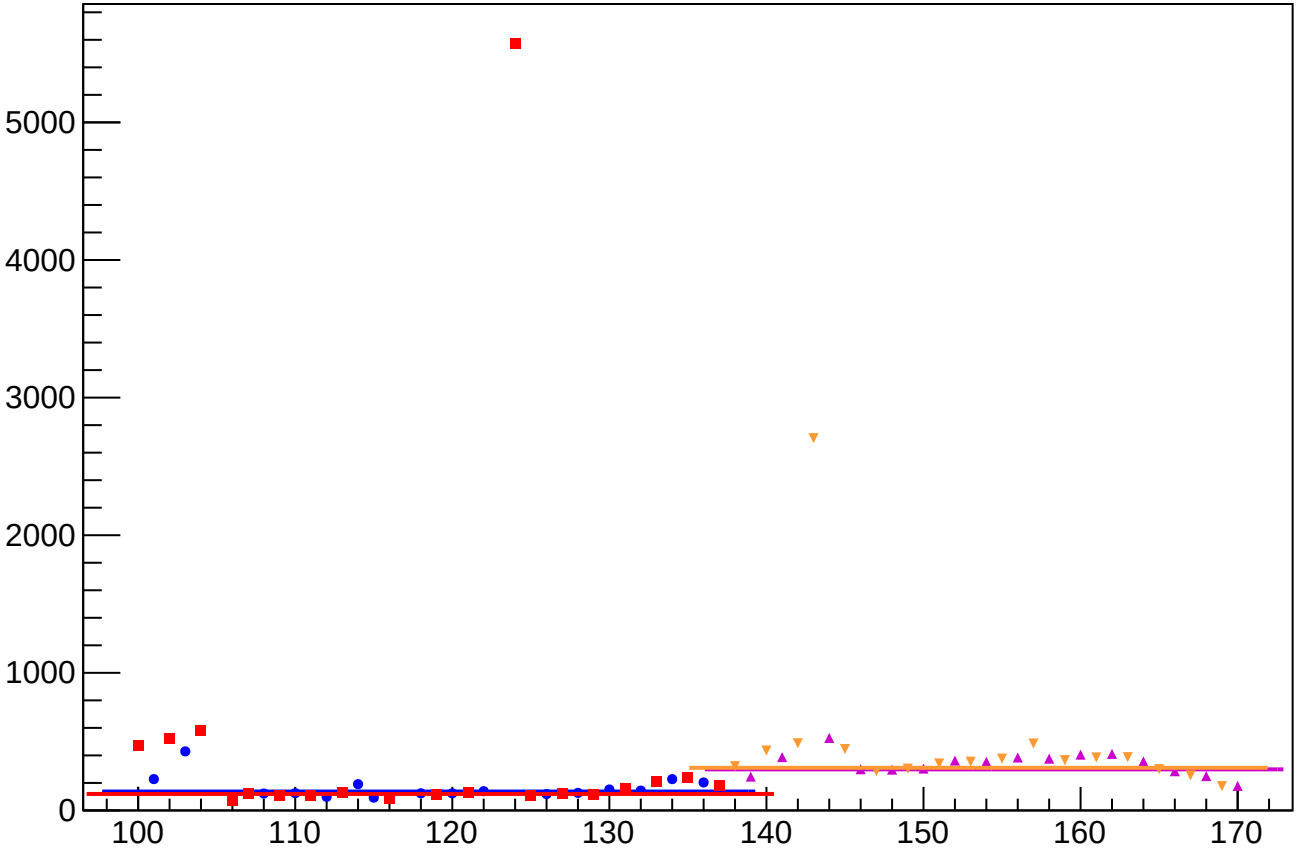
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.008+/-0.044 χ^2/NDF:52.1/35

All: -0.031+/-0.032 χ^2/NDF: 94.3/67

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: 310.001+/-0.065 χ^2/NDF:3123791.3/16

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 298.616+/-0.061 χ^2/NDF:1786622.5/15

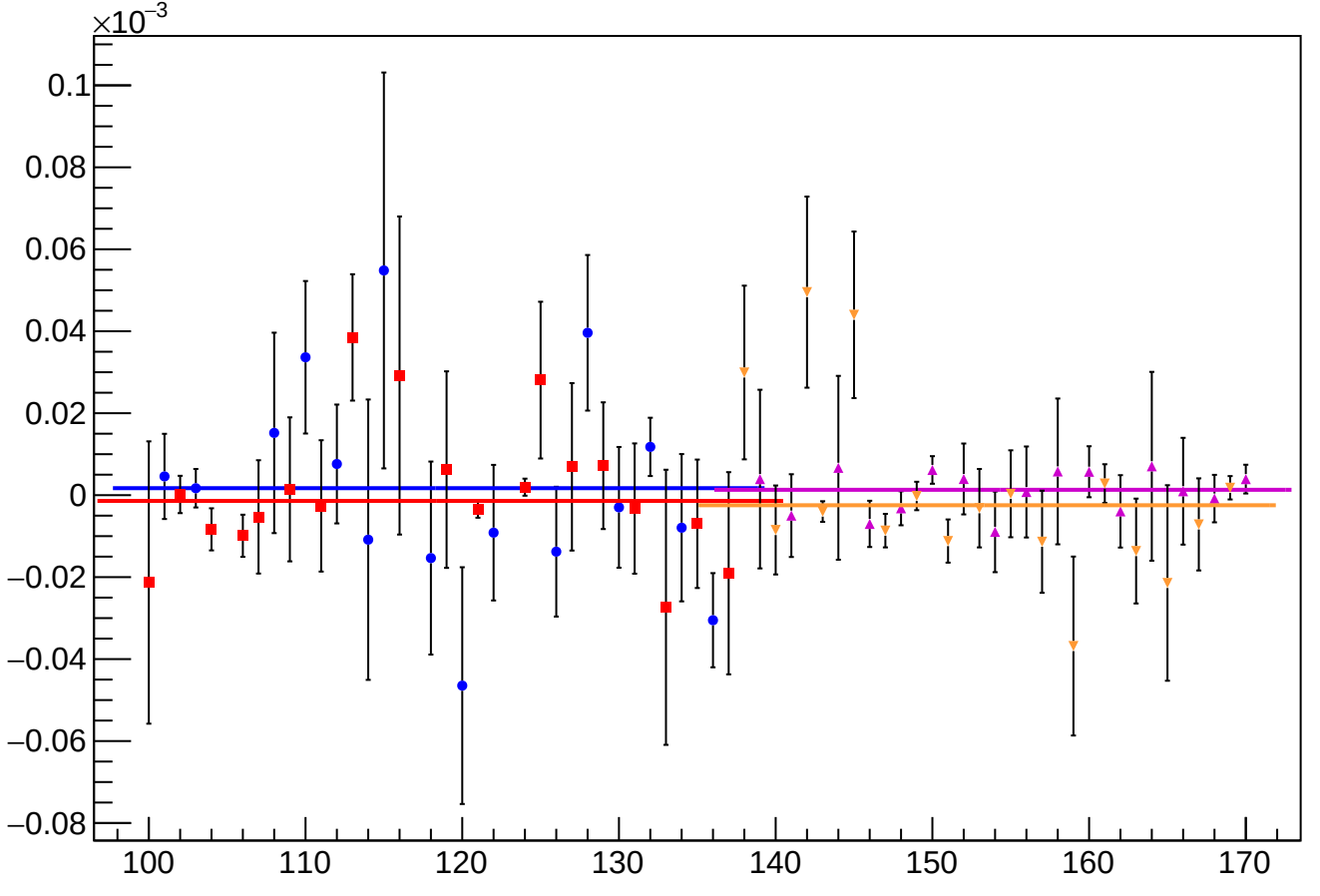
Left: 304.011+/-0.044 χ^2/NDF: 4926788.5/32

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 184.704+/-0.033 χ^2/NDF:7949861.3/31

Out: 165.113+/-0.031 χ^2/NDF:11872765.9/35

All: 174.384+/-0.023 χ^2/NDF: 20006282.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/15

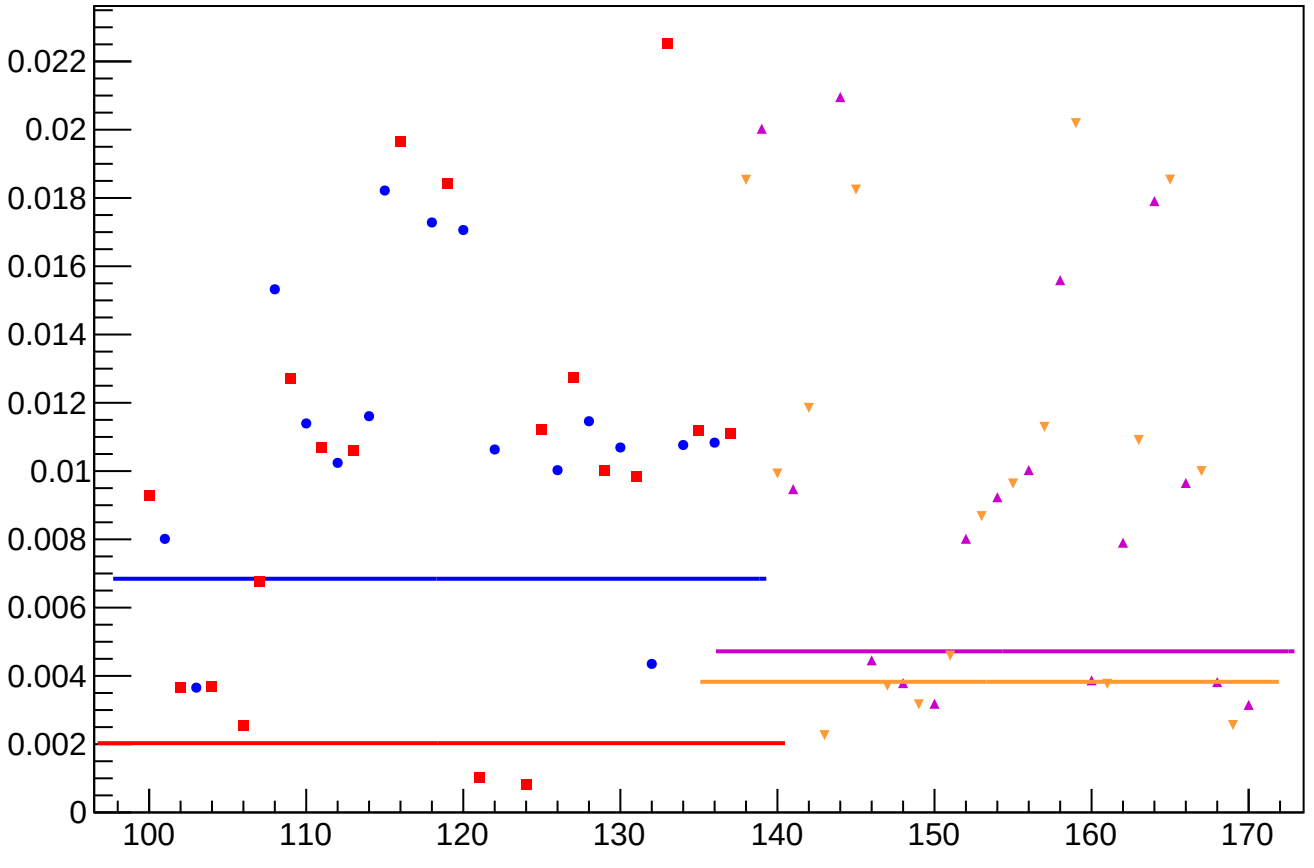
Left: -0.000+/-0.000 χ^2/NDF: 38.8/32

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:32.5/31

Out: -0.000+/-0.000 χ^2/NDF:47.4/35

All: -0.000+/-0.000 χ^2/NDF: 83.8/67



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9053864.4/16

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:6601154.3/15

Left: 0.004+/-0.000 χ^2/NDF: 16019399.5/32

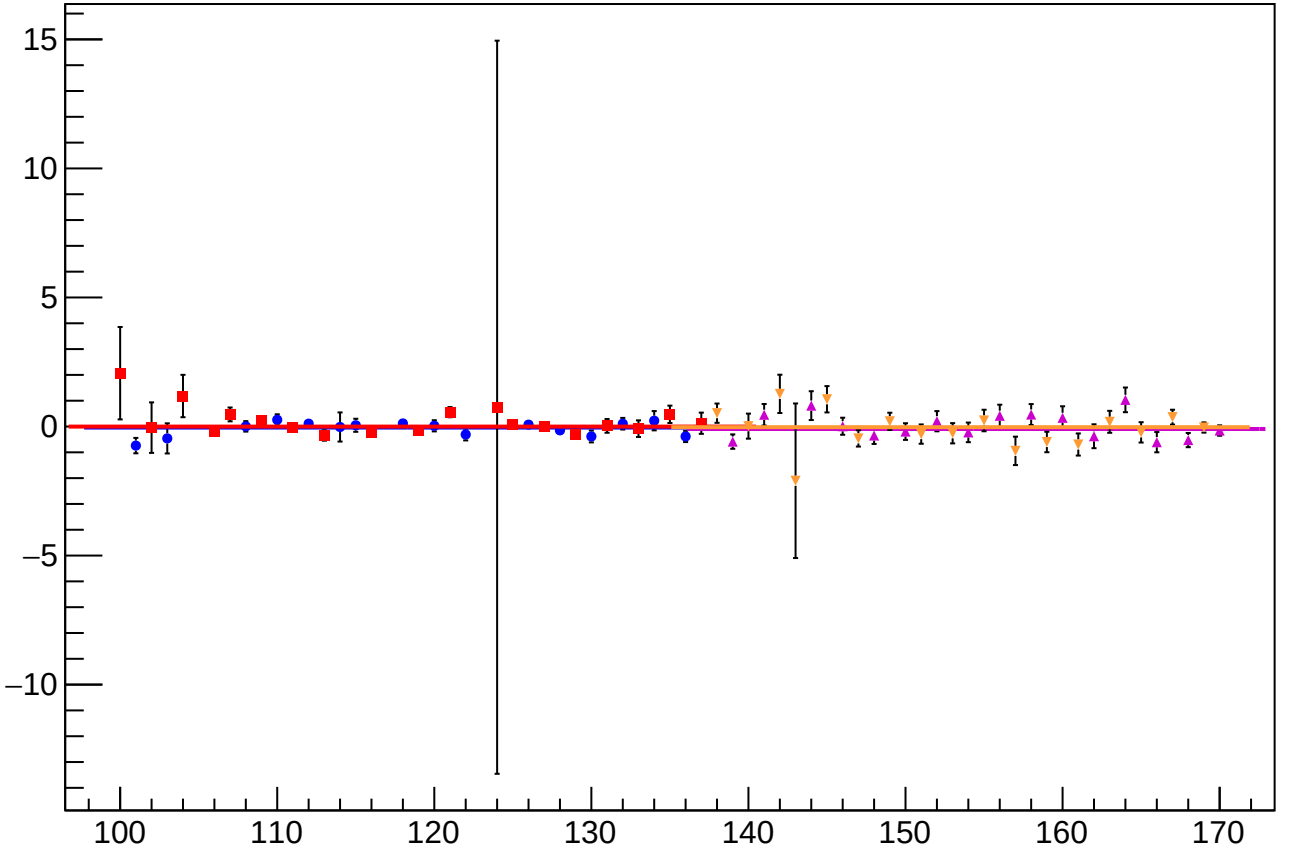
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:10623725.7/31

Out: 0.003+/-0.000 χ^2/NDF:19990921.2/35

All: 0.004+/-0.000 χ^2/NDF: 34429528.5/67

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: -0.026+/-0.091 χ^2/NDF:23.4/16

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.087 χ^2/NDF:23.4/15

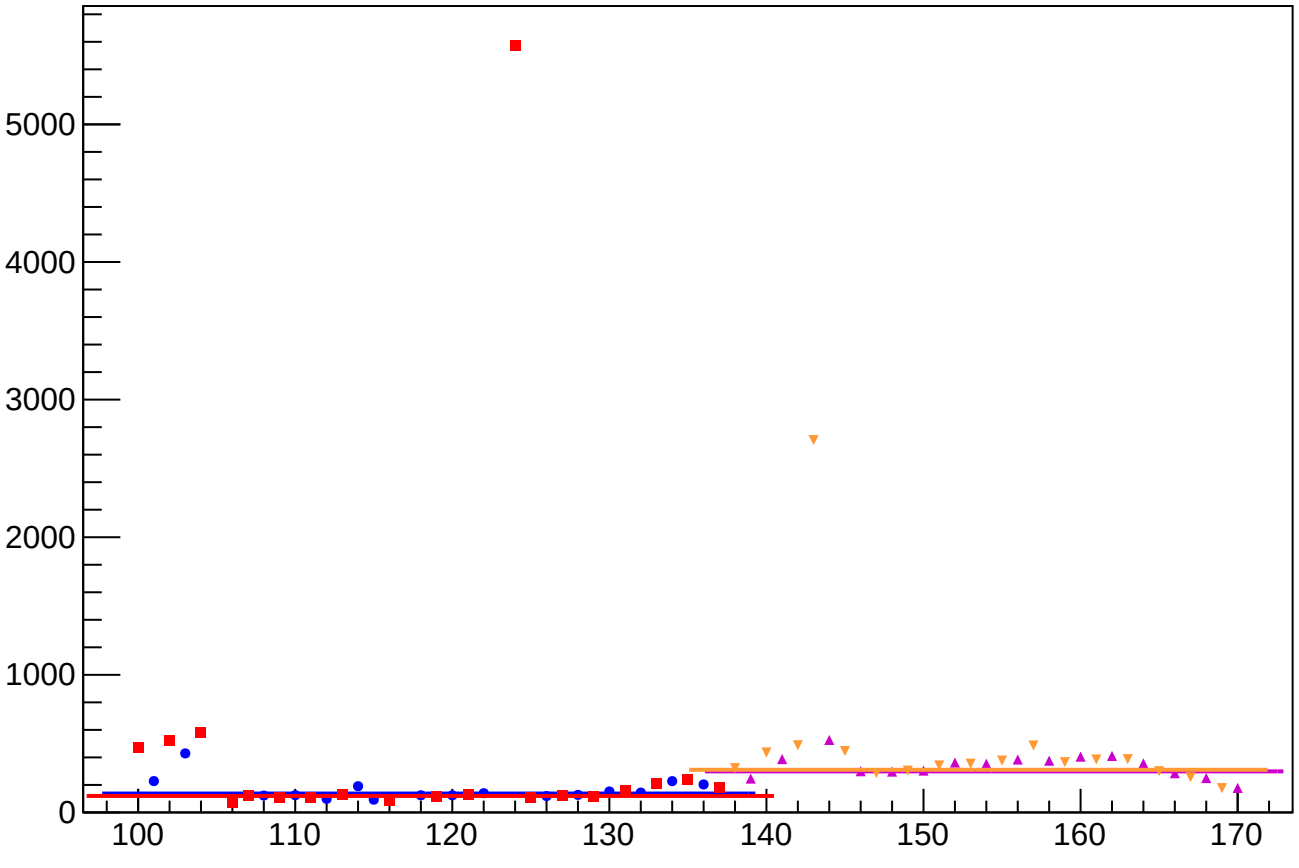
Left: -0.063+/-0.063 χ^2/NDF: 47.1/32

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.008+/-0.044 χ^2/NDF:52.1/35

All: -0.031+/-0.032 χ^2/NDF: 94.3/67



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 310.004+/-0.065 χ^2/NDF:3123859.8/16

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 298.619+/-0.061 χ^2/NDF:1786653.1/15

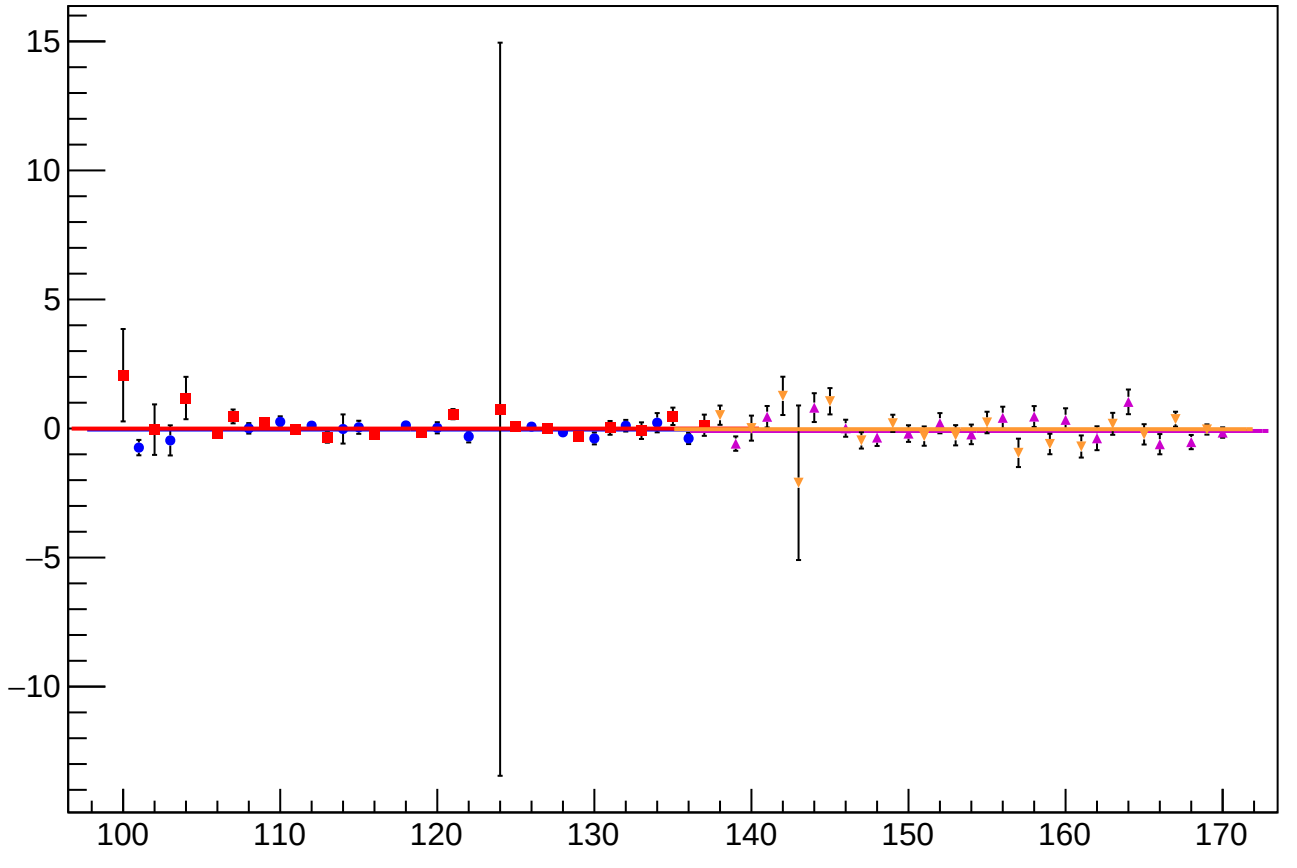
Left: 304.014+/-0.044 χ^2/NDF: 4926885.2/32

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 184.705+/-0.033 χ^2/NDF:7949890.6/31

Out: 165.113+/-0.031 χ^2/NDF:11872857.9/35

All: 174.384+/-0.023 χ^2/NDF: 20006427.1/67



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.026+/-0.091 χ^2/NDF:23.4/16

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.087 χ^2/NDF:23.4/15

Left: -0.063+/-0.063 χ^2/NDF: 47.1/32

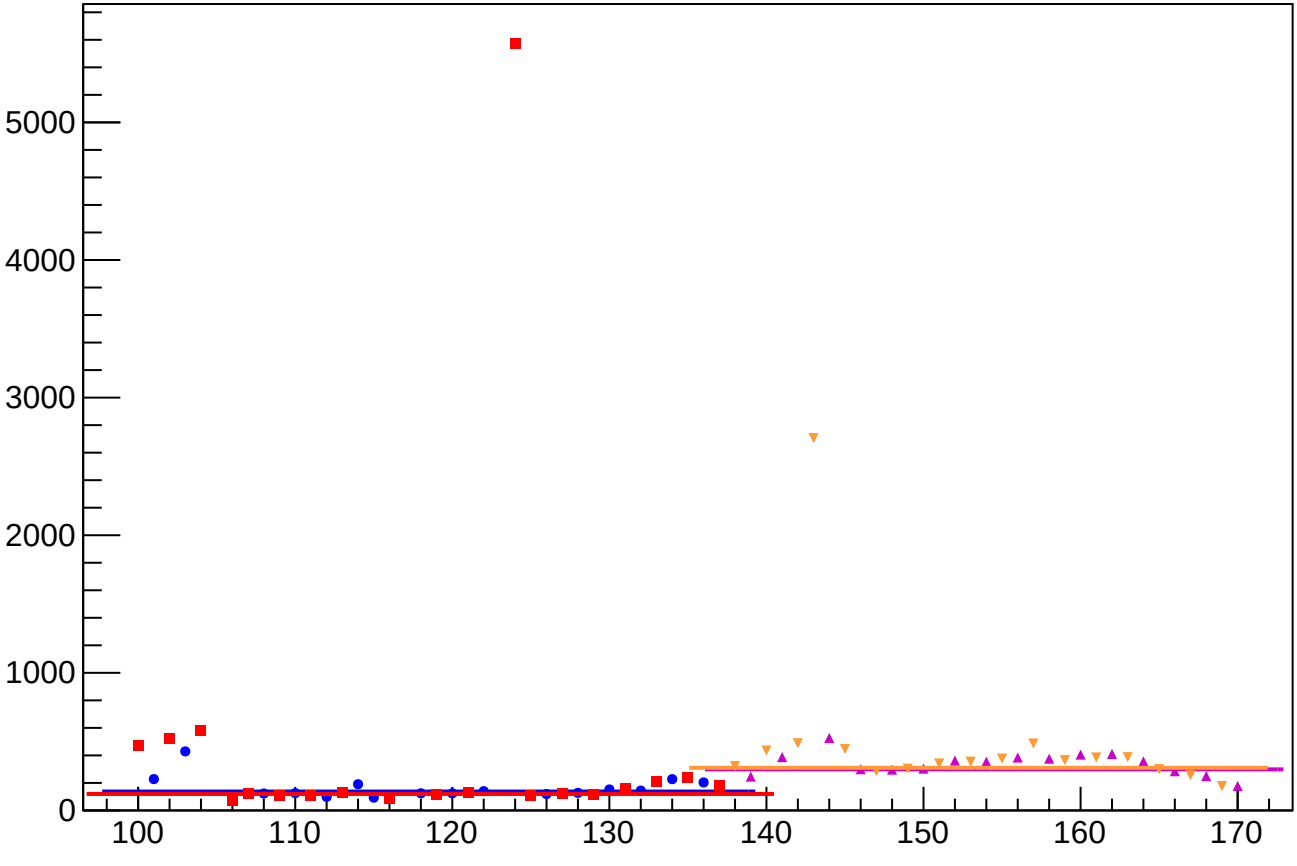
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.008+/-0.044 χ^2/NDF:52.1/35

All: -0.031+/-0.032 χ^2/NDF: 94.3/67

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: 310.004+/-0.065 χ^2/NDF:3123859.8/16

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 298.619+/-0.061 χ^2/NDF:1786653.1/15

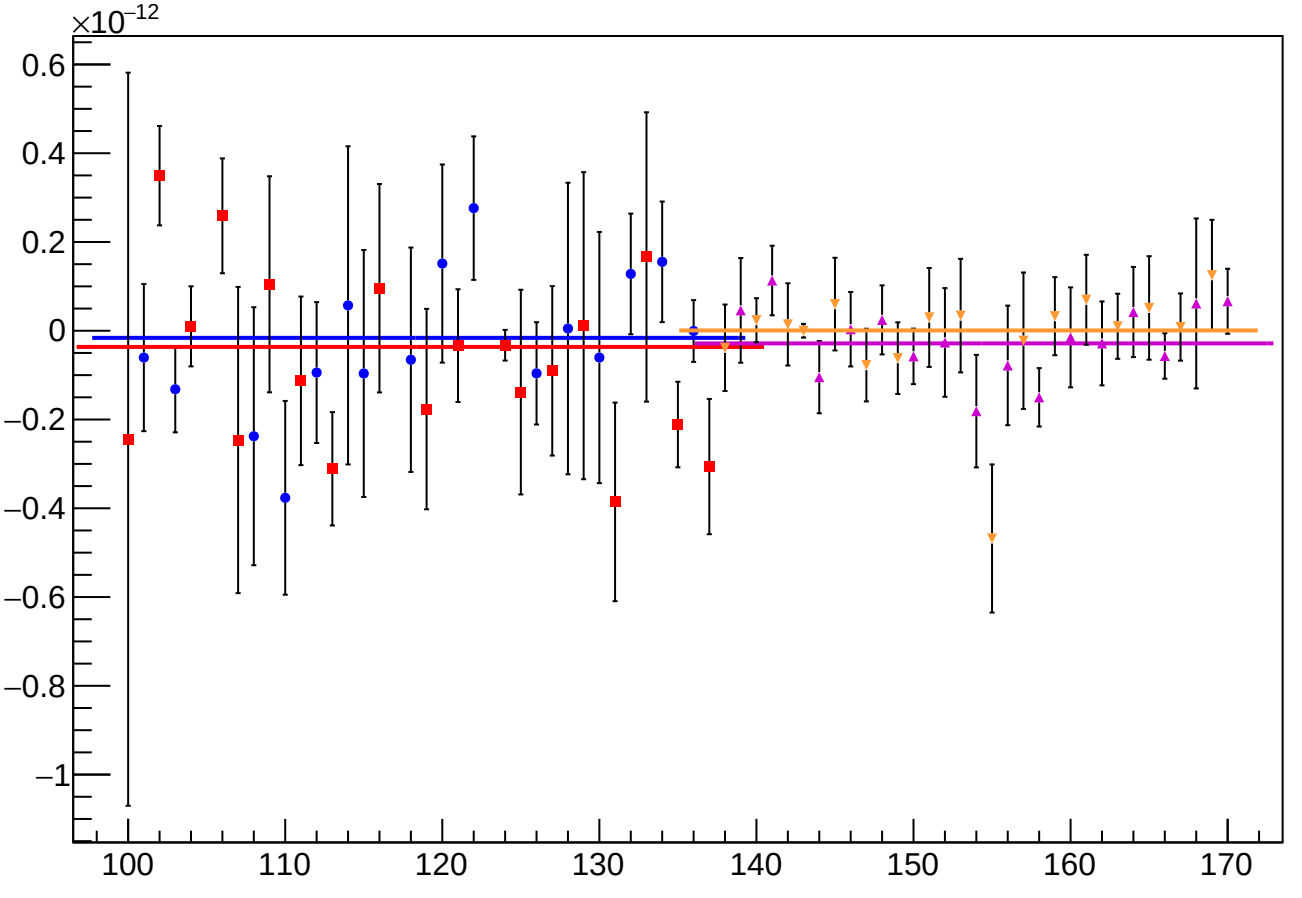
Left: 304.014+/-0.044 χ^2/NDF: 4926885.2/32

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 184.705+/-0.033 χ^2/NDF:7949890.6/31

Out: 165.113+/-0.031 χ^2/NDF:11872857.9/35

All: 174.384+/-0.023 χ^2/NDF: 20006427.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

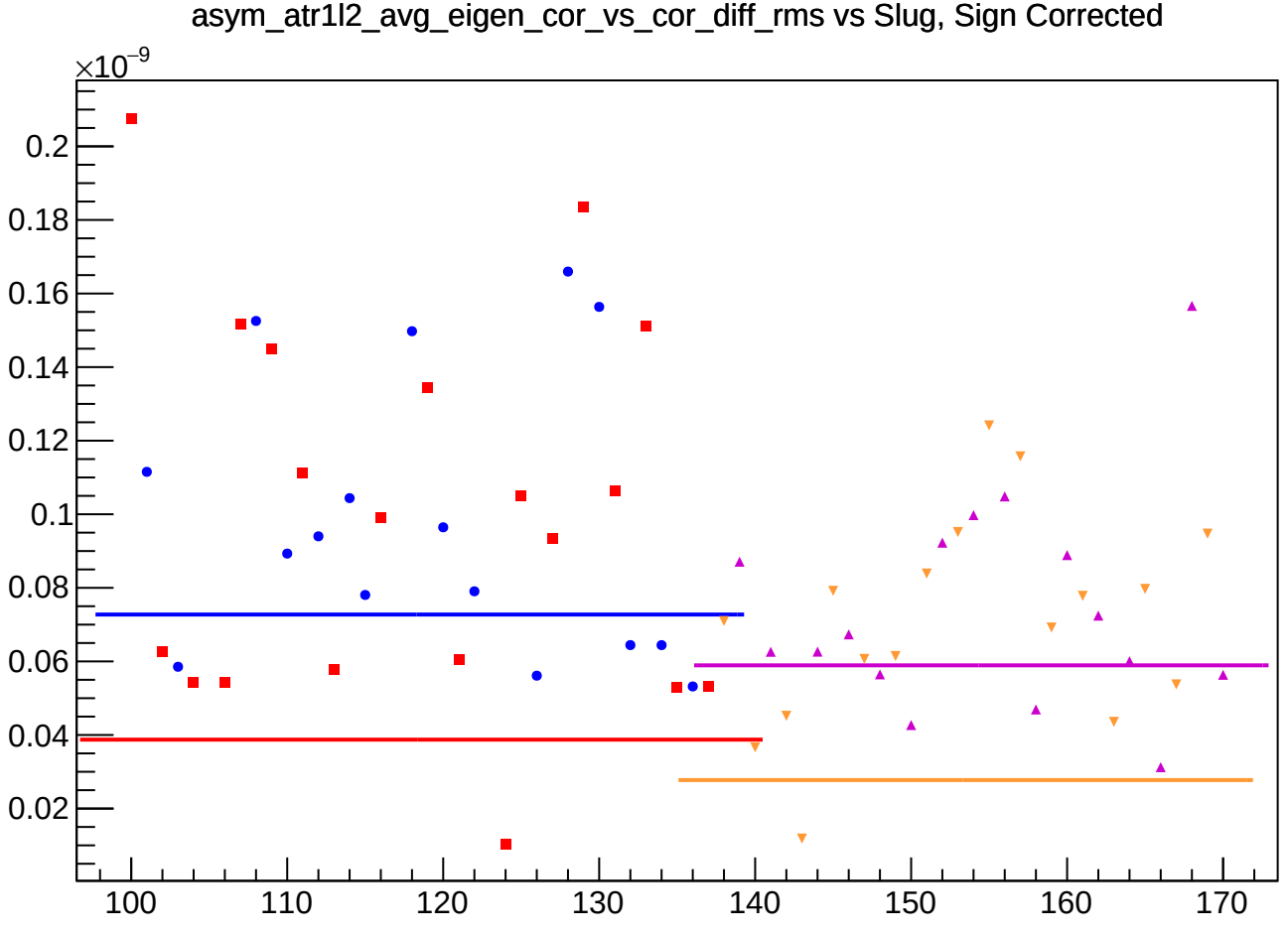
Left: -0.000+/-0.000 χ^2/NDF: 26.6/32

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

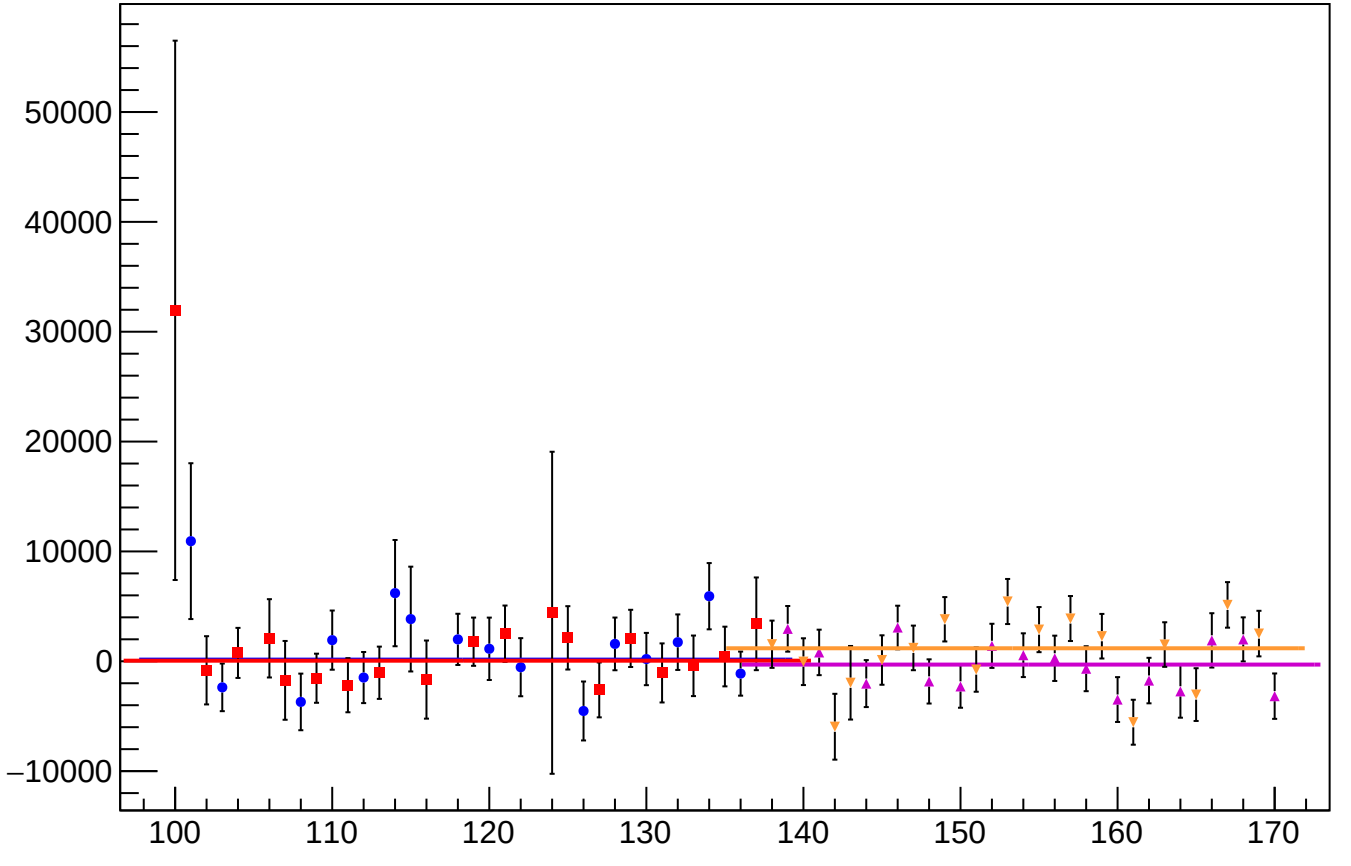
In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: -0.000+/-0.000 χ^2/NDF:47.0/35

All: -0.000+/-0.000 χ^2/NDF: 73.2/67


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8430503.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2222778.2/15
Left: 0.000+/-0.000 χ²/NDF: 13855247.3/32
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:3559113.9/31
Out: 0.000+/-0.000 χ²/NDF:12995747.6/35
All: 0.000+/-0.000 χ²/NDF: 21036553.0/67

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1183.936+/-523.808 χ^2/NDF:34.8/16

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -301.482+/-518.731 χ^2/NDF:16.9/15

Left: 433.994+/-368.580 χ^2/NDF: 55.8/32

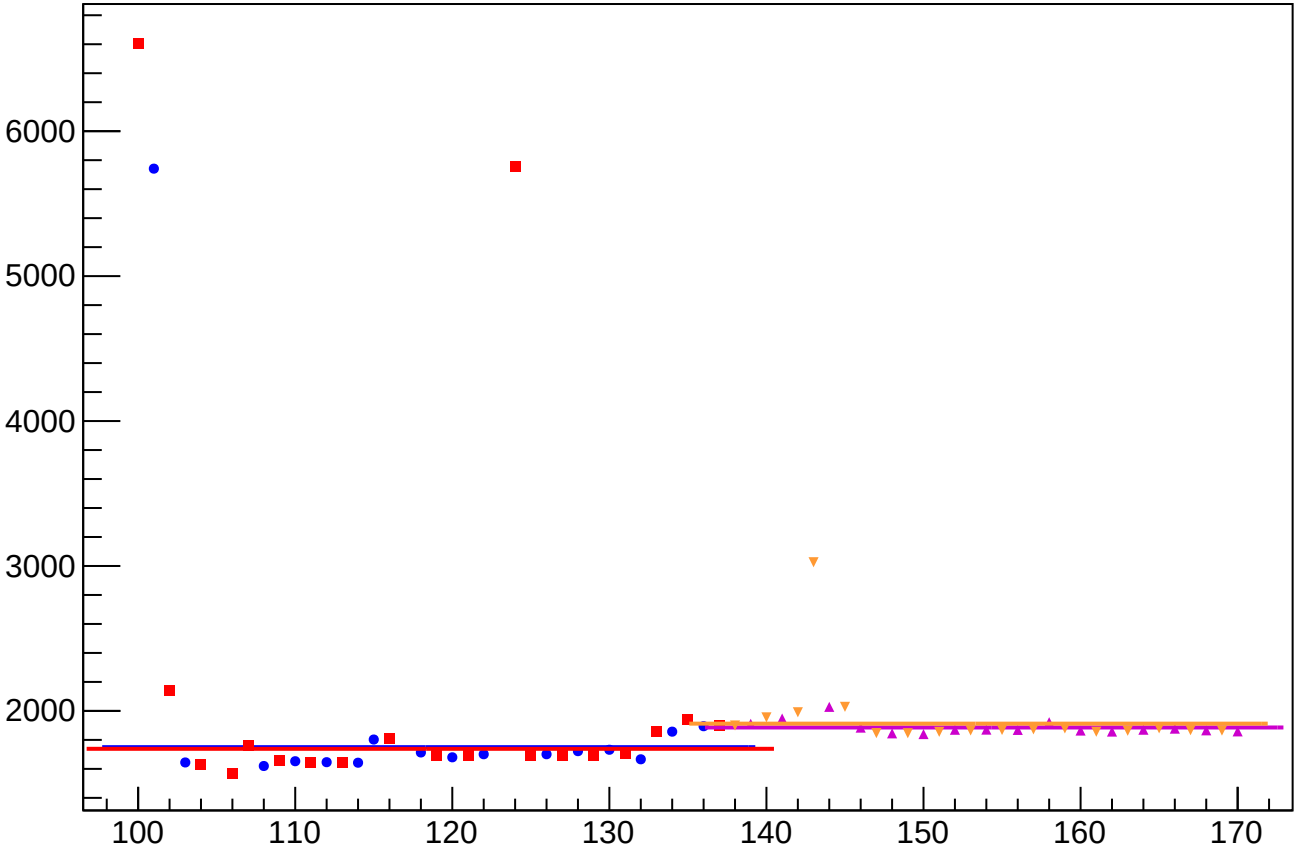
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -131.064+/-409.482 χ^2/NDF:34.9/31

Out: 743.442+/-409.148 χ^2/NDF:45.6/35

All: 306.545+/-289.430 χ^2/NDF: 82.7/67

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1912.151+/-0.370 χ^2/NDF:242787.6/16

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

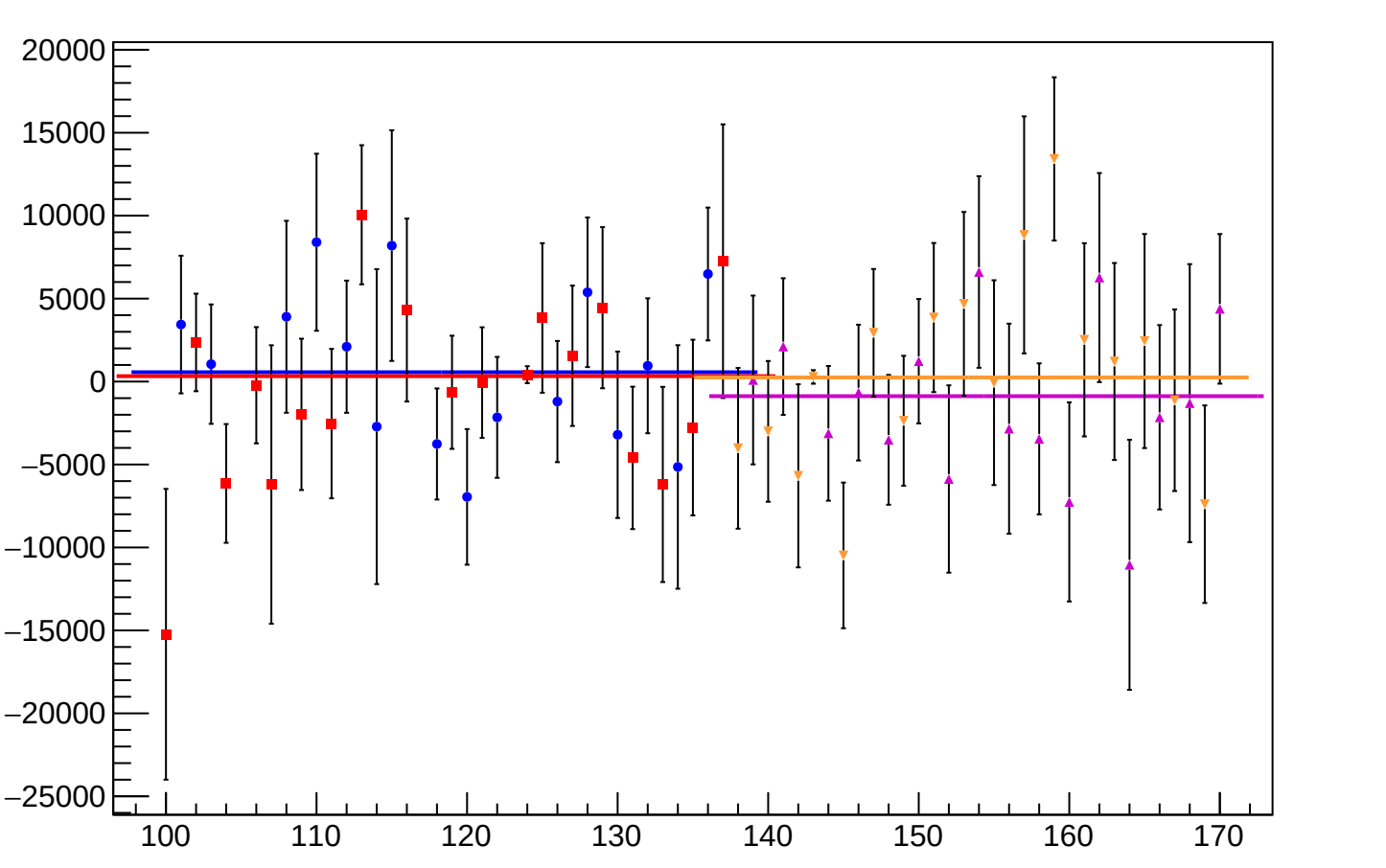
Left: 1898.754+/-0.261 χ^2/NDF: 260440.2/32

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1834.456+/-0.290 χ^2/NDF:736256.1/31

Out: 1843.837+/-0.288 χ^2/NDF:633756.3/35

All: 1839.164+/-0.204 χ^2/NDF: 1370539.2/67



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 249.230+/-389.146 χ^2/NDF:21.3/16

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -880.667+/-1235.309 χ^2/NDF:10.2/15

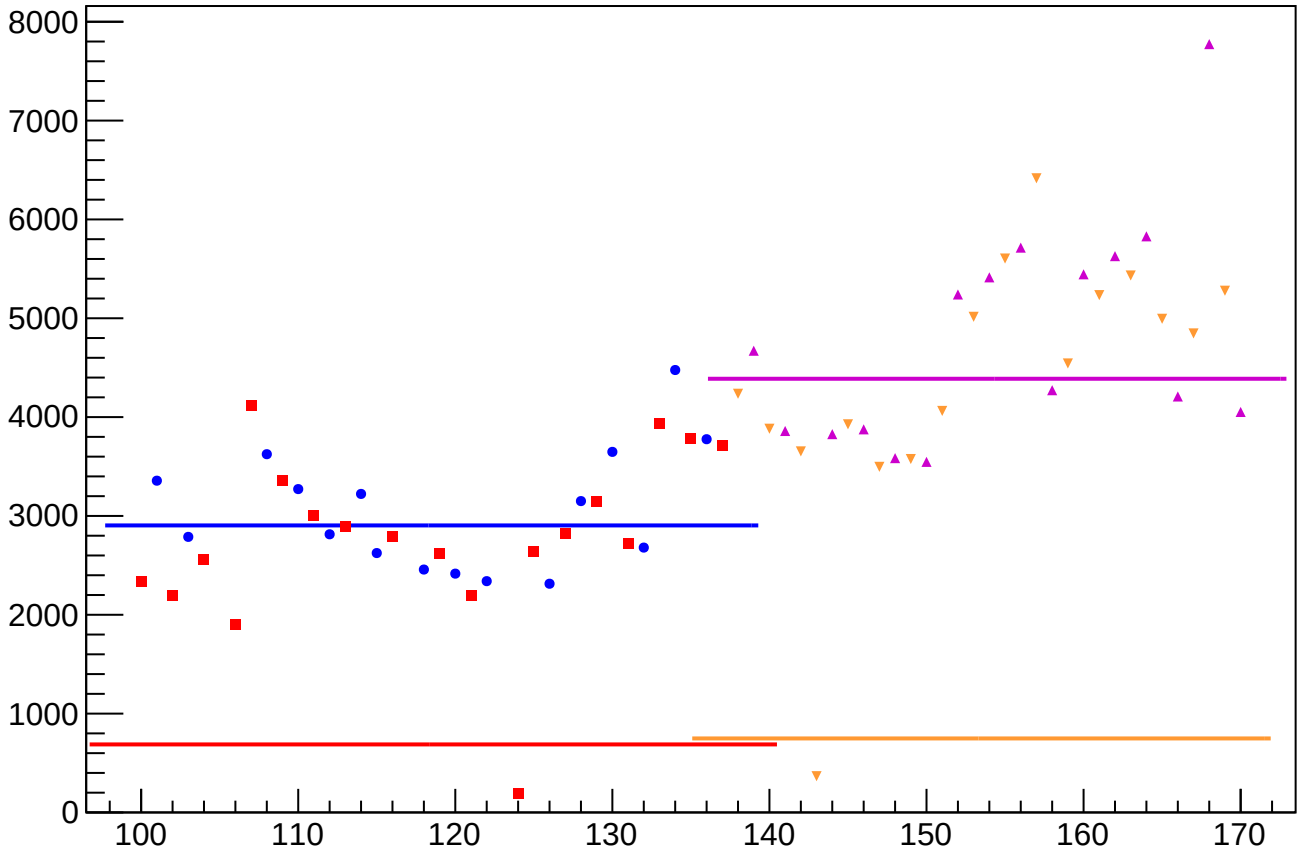
Left: 147.225+/-371.165 χ^2/NDF: 32.3/32

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -76.587+/-821.991 χ^2/NDF:25.7/31

Out: 281.239+/-296.541 χ^2/NDF:40.6/35

All: 240.032+/-278.944 χ^2/NDF: 66.5/67



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 748.816+/-0.275 χ^2/NDF:19069759.8/16

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4387.934+/-0.873 χ^2/NDF:1043594.1/15

Left: 1077.348+/-0.262 χ^2/NDF: 35903259.5/32

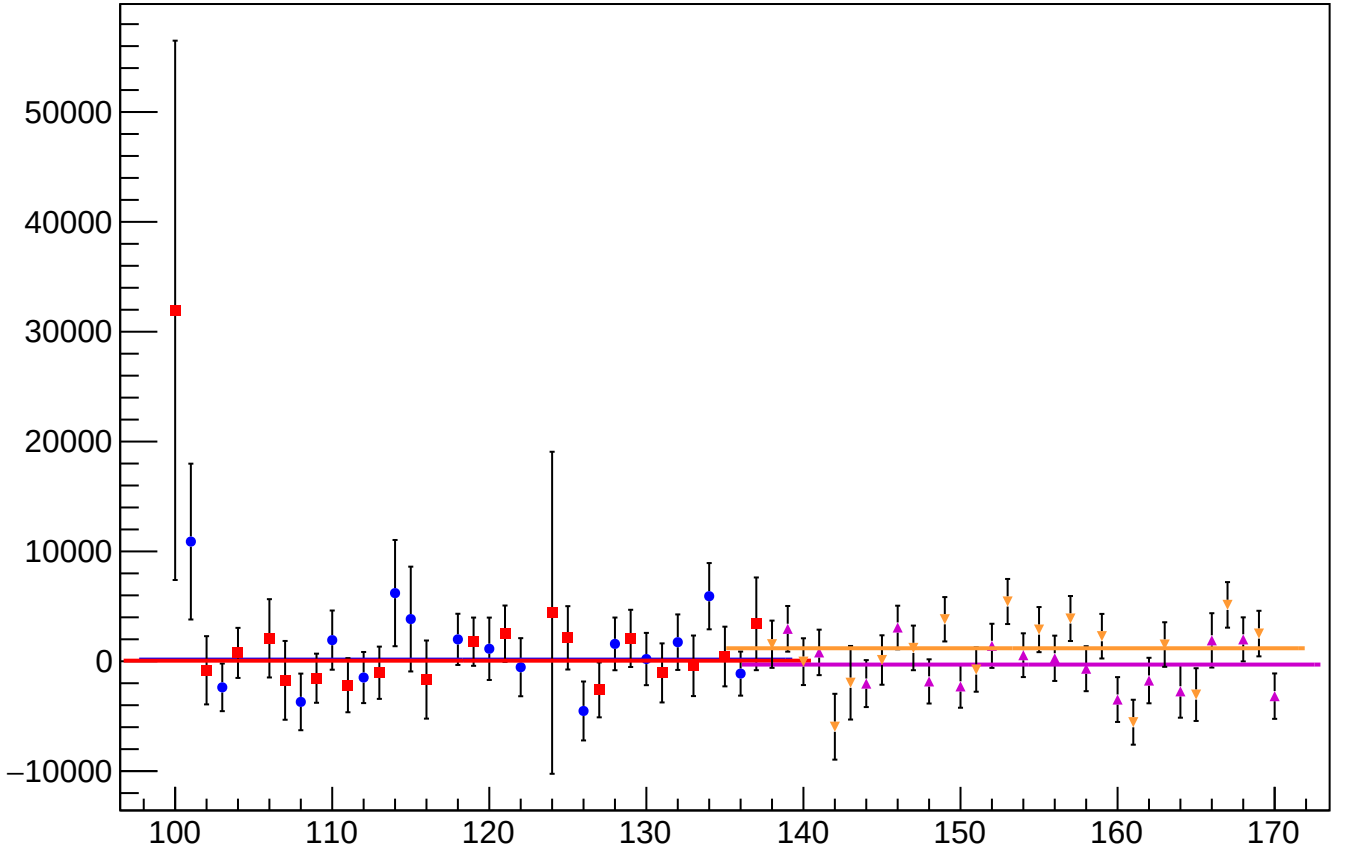
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3561.081+/-0.581 χ^2/NDF:3131434.9/31

Out: 723.449+/-0.210 χ^2/NDF:29238941.5/35

All: 1050.229+/-0.197 χ^2/NDF: 53460213.8/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1183.911+/-523.808 χ^2/NDF:34.8/16

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -301.513+/-518.731 χ^2/NDF:16.9/15

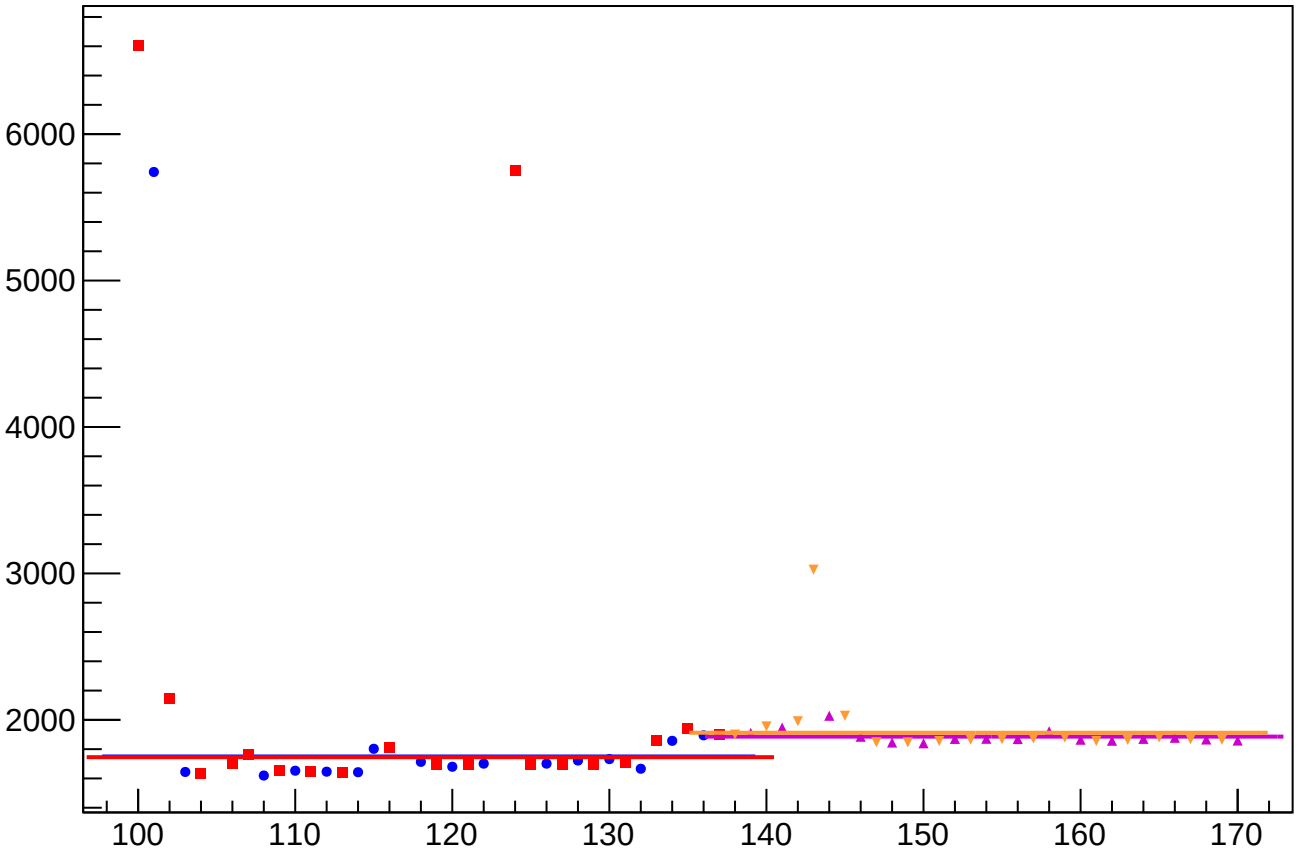
Left: 433.966+/-368.580 χ^2/NDF: 55.8/32

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -131.260+/-409.482 χ^2/NDF:34.9/31

Out: 743.447+/-409.148 χ^2/NDF:45.6/35

All: 306.450+/-289.430 χ^2/NDF: 82.7/67



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1912.151+/-0.370 χ^2/NDF:242787.6/16

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

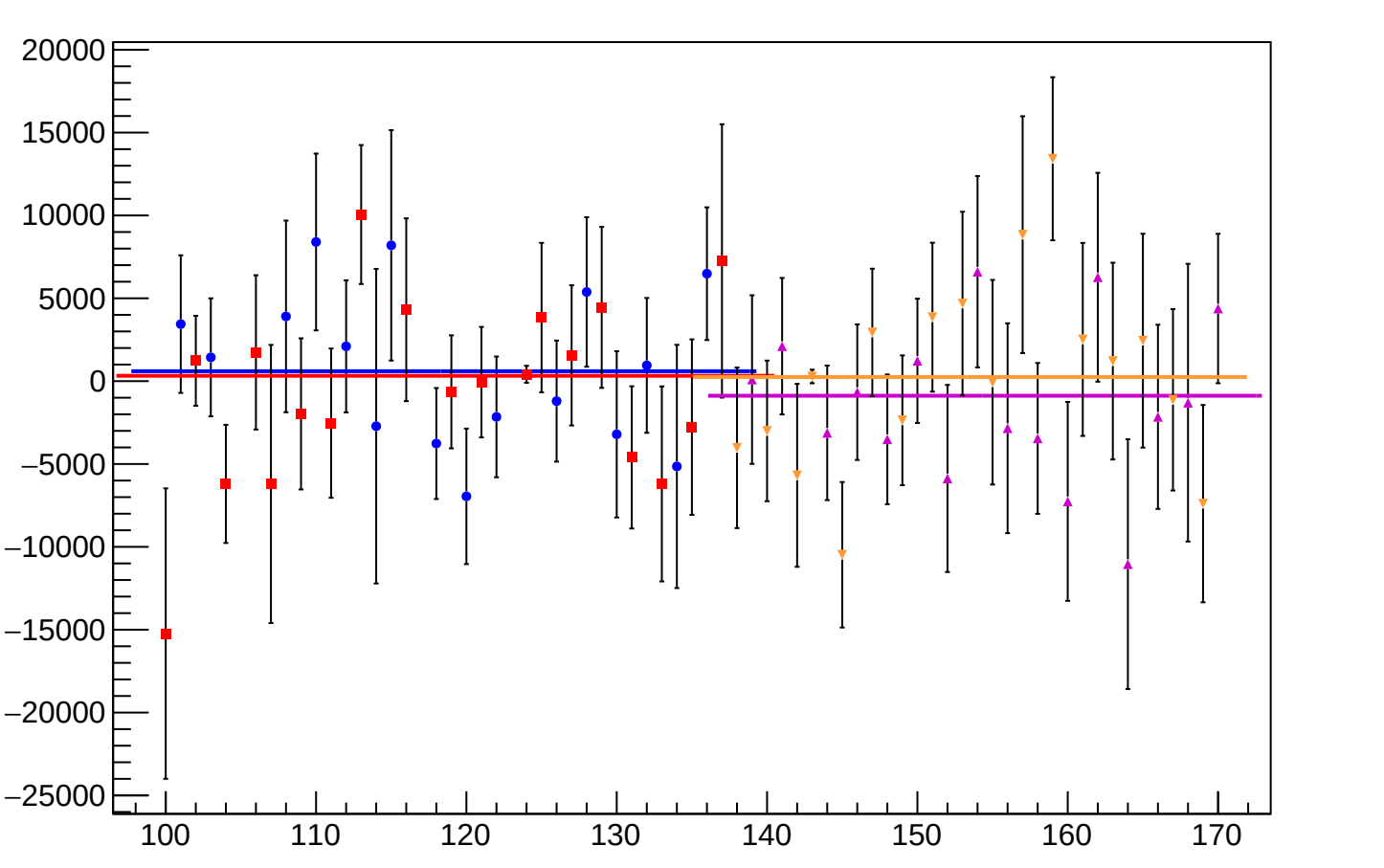
Left: 1898.754+/-0.261 χ^2/NDF: 260440.2/32

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1834.456+/-0.290 χ^2/NDF:736256.6/31

Out: 1846.759+/-0.289 χ^2/NDF:620352.3/35

All: 1840.621+/-0.205 χ^2/NDF: 1357513.7/67



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 250.176+/-389.177 χ^2/NDF:21.3/16

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -880.746+/-1235.307 χ^2/NDF:10.2/15

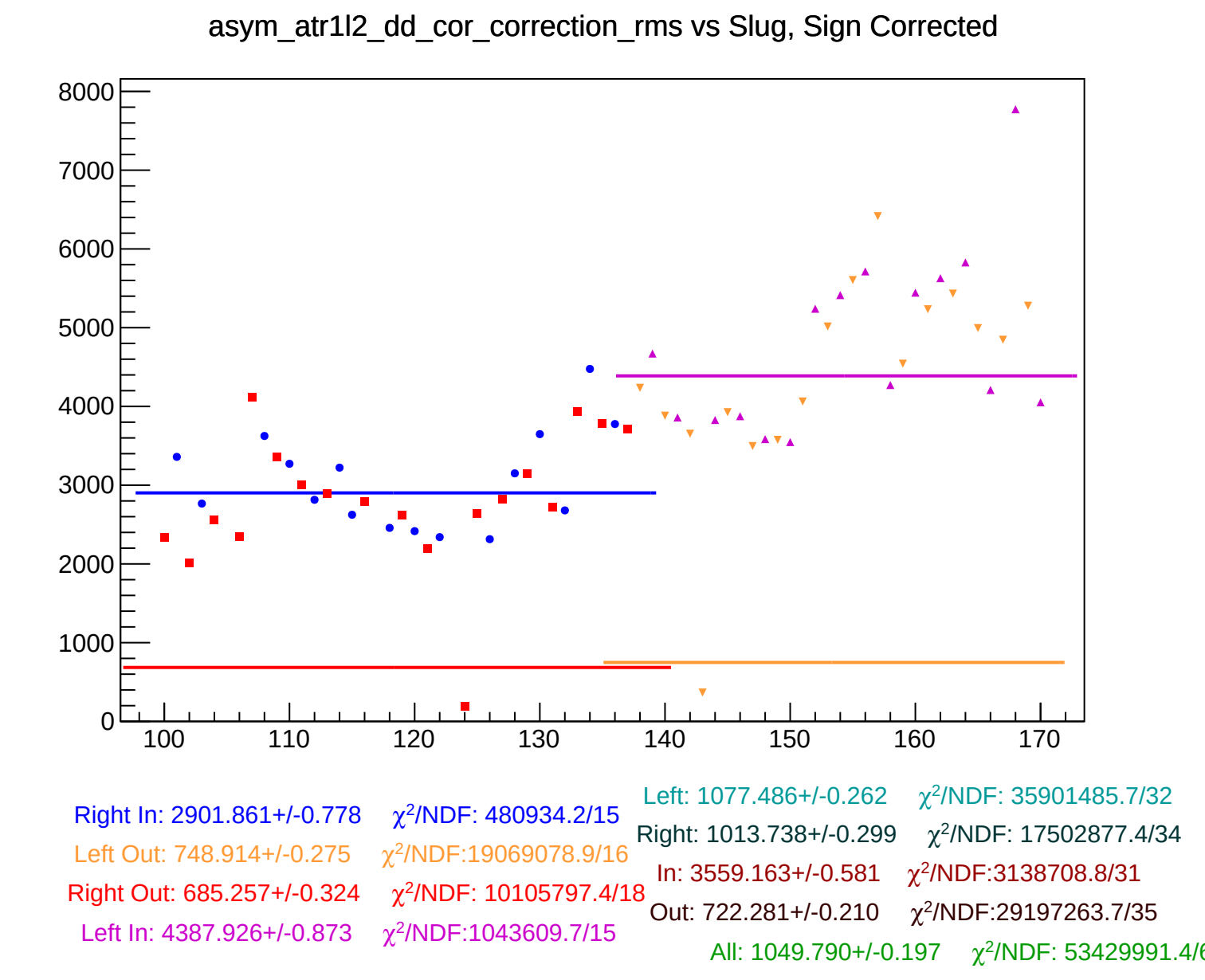
Left: 148.064+/-371.192 χ^2/NDF: 32.3/32

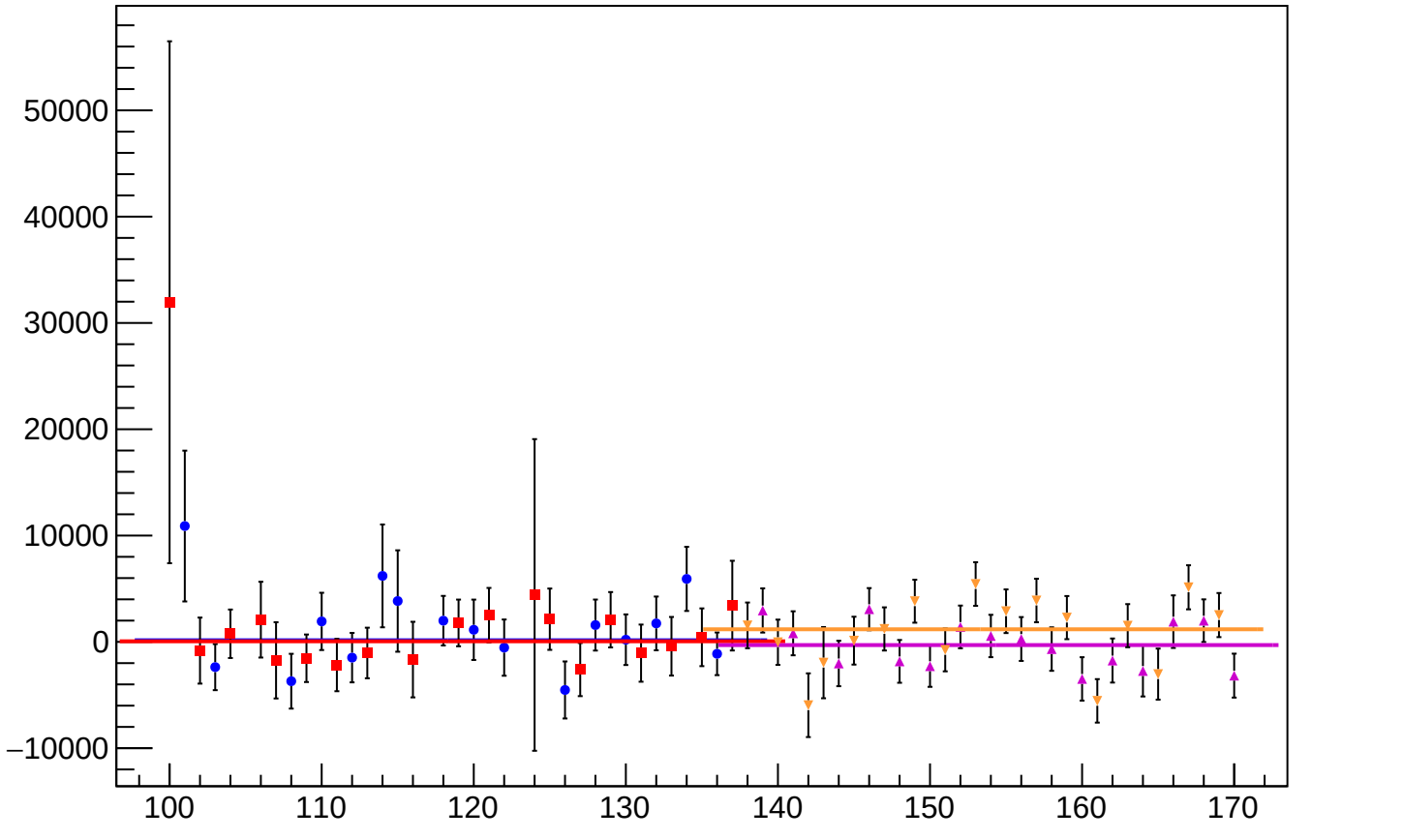
Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

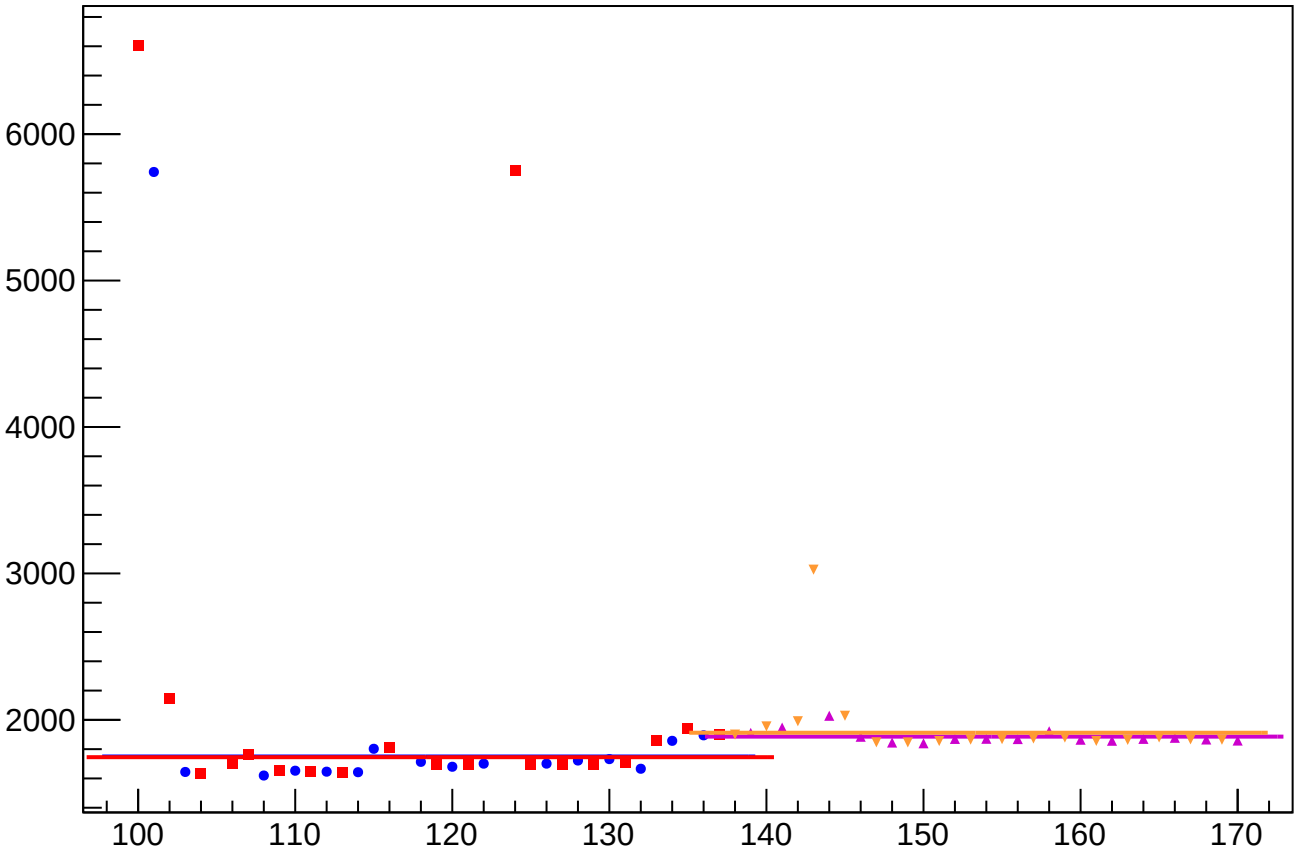
In: -54.837+/-821.559 χ^2/NDF:25.8/31

Out: 280.713+/-296.802 χ^2/NDF:40.4/35

All: 241.975+/-279.145 χ^2/NDF: 66.3/67


asym_atr1l2_dd_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: 748.914+/-0.275 χ²/NDF:19069078.9/16
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4387.926+/-0.873 χ²/NDF:1043609.7/15
Left: 1077.486+/-0.262 χ²/NDF: 35901485.7/32
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 3559.163+/-0.581 χ²/NDF:3138708.8/31
Out: 722.281+/-0.210 χ²/NDF:29197263.7/35
All: 1049.790+/-0.197 χ²/NDF: 53429991.4/6


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1183.911+/-523.808 χ²/NDF:34.8/16
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -301.513+/-518.731 χ²/NDF:16.9/15
Left: 433.966+/-368.580 χ²/NDF: 55.8/32
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -131.260+/-409.482 χ²/NDF:34.9/31
Out: 743.447+/-409.148 χ²/NDF:45.6/35
All: 306.450+/-289.430 χ²/NDF: 82.7/67



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1912.151+/-0.370 χ^2/NDF:242787.6/16

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

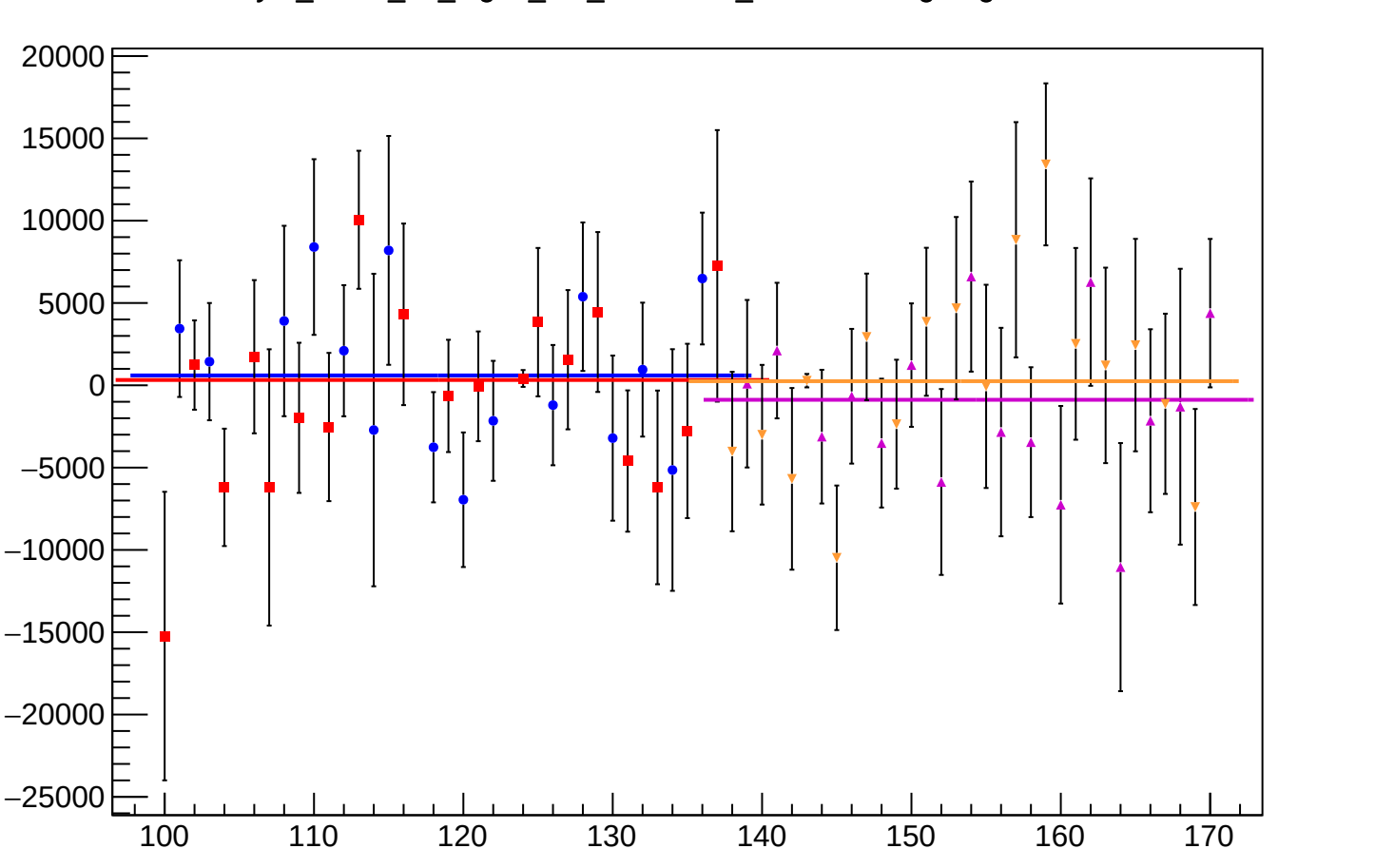
Left: 1898.754+/-0.261 χ^2/NDF: 260440.2/32

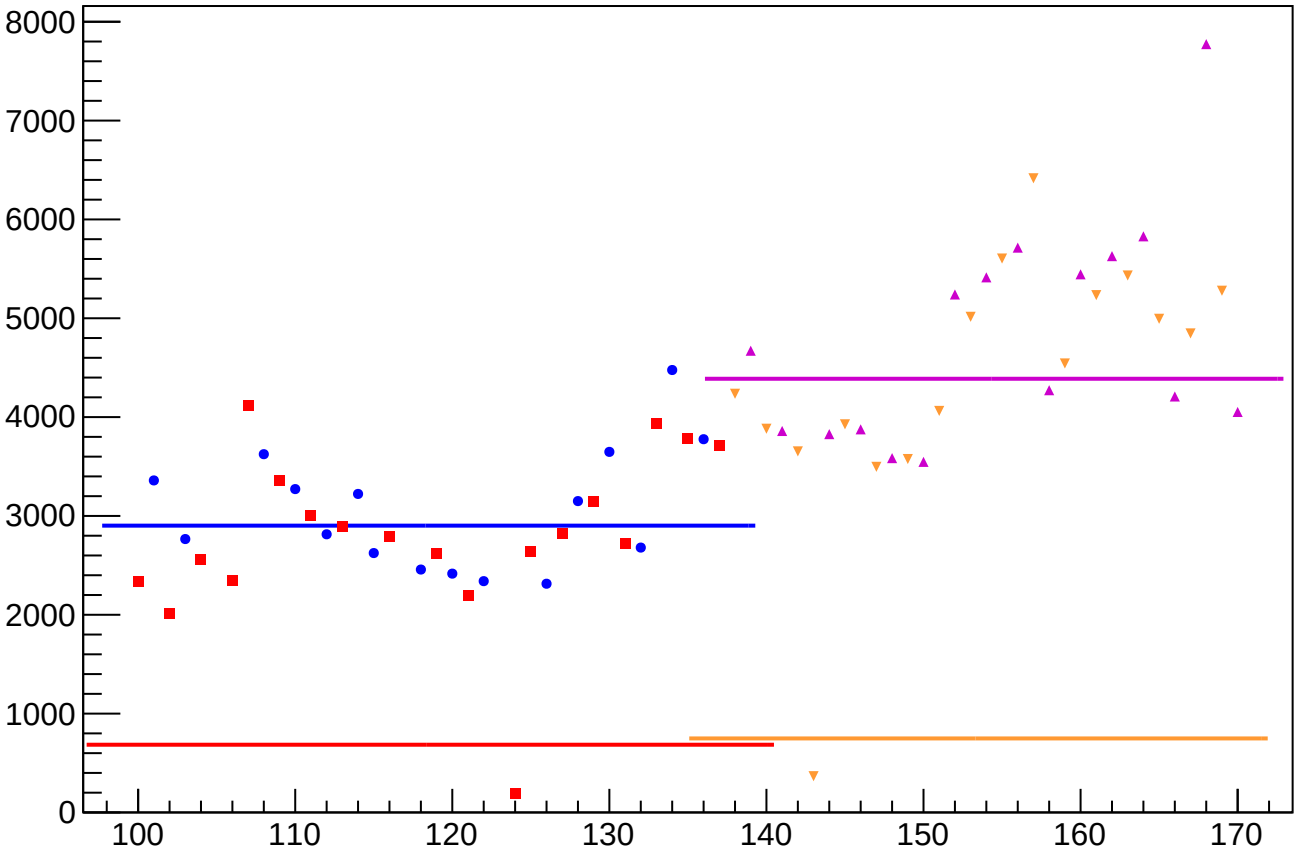
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1834.456+/-0.290 χ^2/NDF:736256.6/31

Out: 1846.759+/-0.289 χ^2/NDF:620352.3/35

All: 1840.621+/-0.205 χ^2/NDF: 1357513.7/67


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 600.202+/-1100.125 χ²/NDF: 14.9/15
Left Out: 250.176+/-389.177 χ²/NDF:21.3/16
Right Out: 323.164+/-458.862 χ²/NDF: 19.0/18
Left In: -880.746+/-1235.307 χ²/NDF:10.2/15
Left: 148.064+/-371.192 χ²/NDF: 32.3/32
Right: 364.218+/-423.500 χ²/NDF: 33.9/34
In: -54.837+/-821.559 χ²/NDF:25.8/31
Out: 280.713+/-296.802 χ²/NDF:40.4/35
All: 241.975+/-279.145 χ²/NDF: 66.3/67



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 748.914+/-0.275 χ^2/NDF:19069078.9/16

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4387.926+/-0.873 χ^2/NDF:1043609.7/15

Left: 1077.486+/-0.262 χ^2/NDF: 35901485.7/32

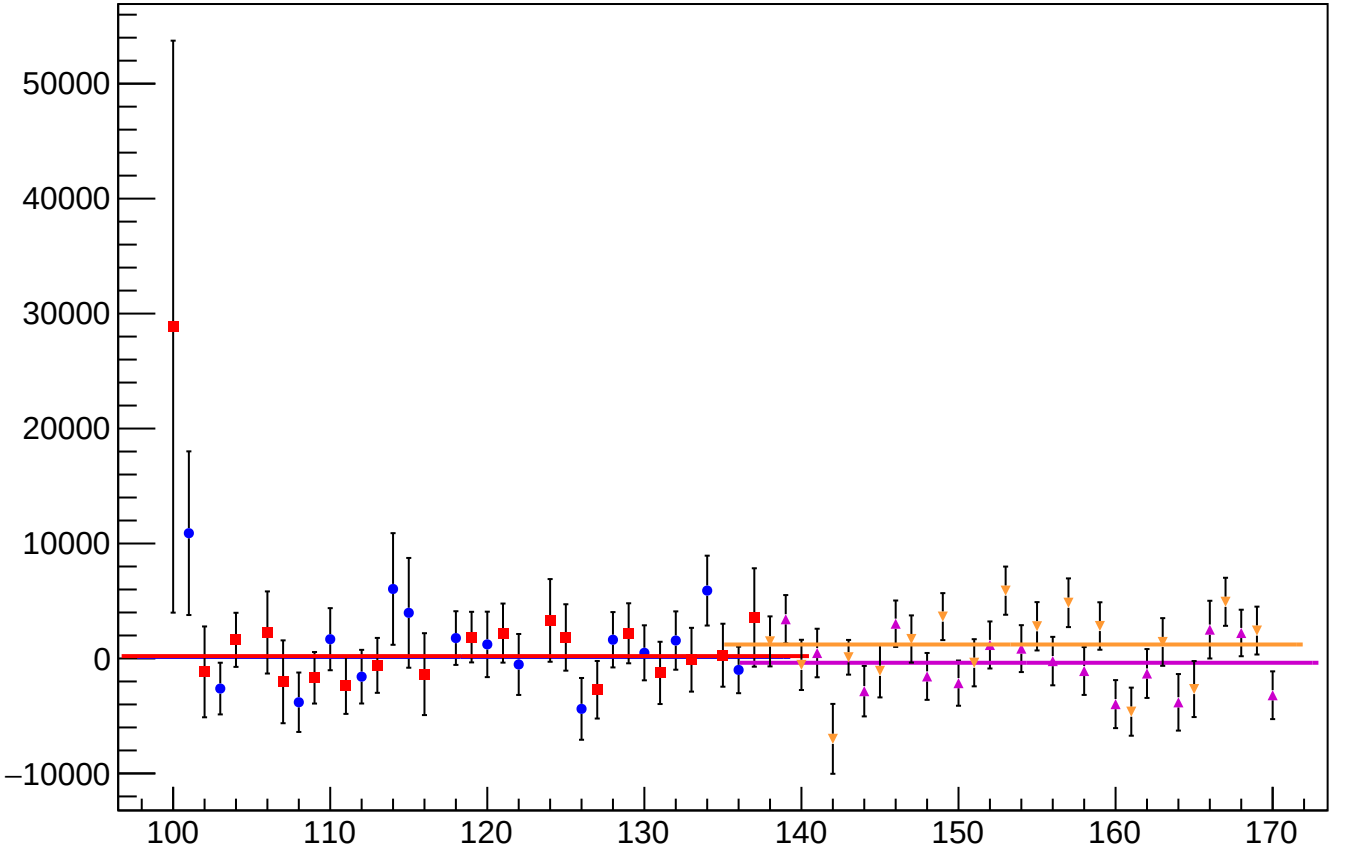
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3559.163+/-0.581 χ^2/NDF:3138708.8/31

Out: 722.281+/-0.210 χ^2/NDF:29197263.7/35

All: 1049.790+/-0.197 χ^2/NDF: 53429991.4/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1215.834+/-508.309 χ^2/NDF:34.5/16

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -374.579+/-527.905 χ^2/NDF:19.6/15

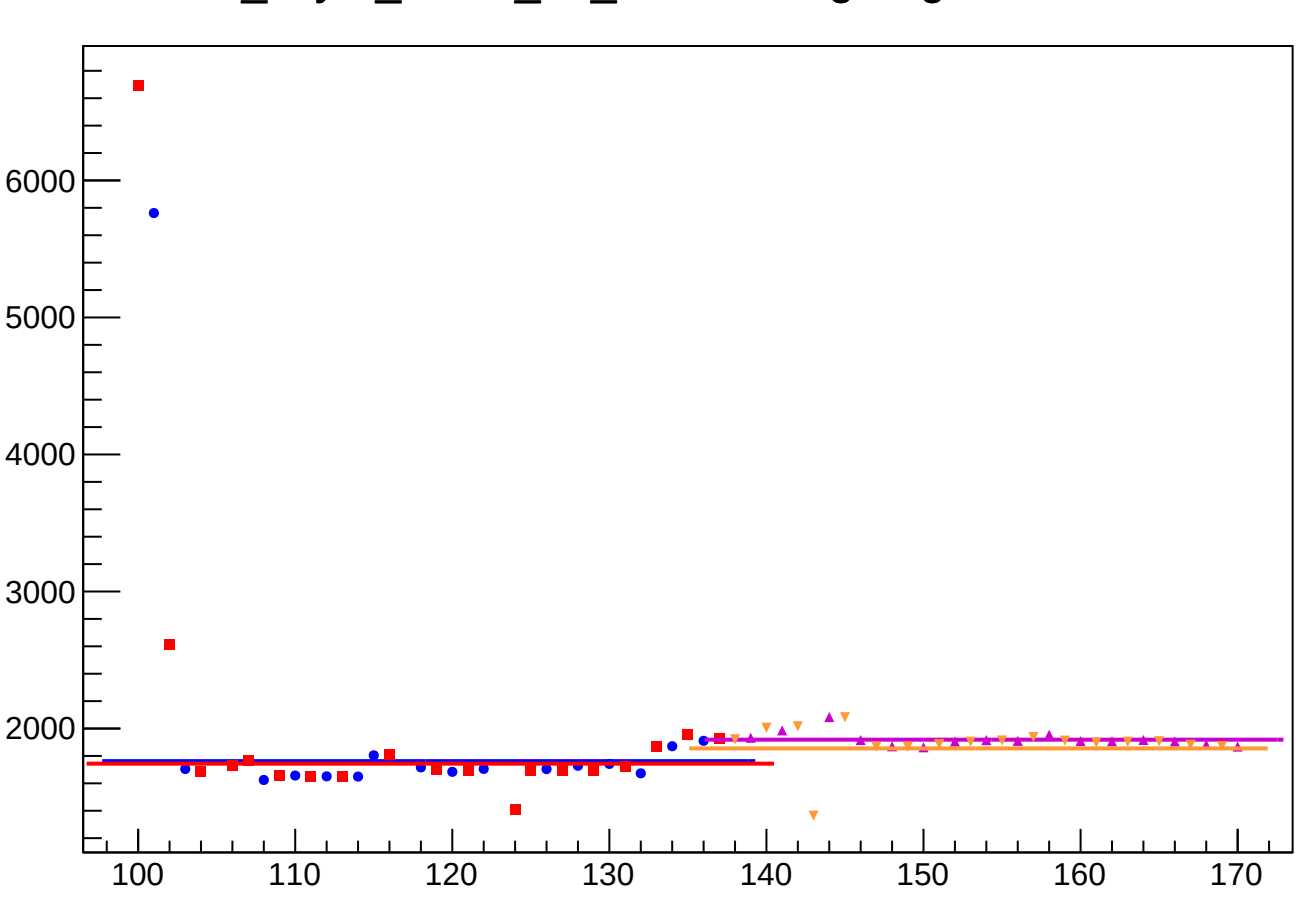
Left: 450.694+/-366.160 χ^2/NDF: 58.9/32

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -180.422+/-415.040 χ^2/NDF:37.3/31

Out: 835.643+/-401.444 χ^2/NDF:45.7/35

All: 344.526+/-288.551 χ^2/NDF: 86.1/67



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1854.883+/-0.359 χ^2/NDF:258677.7/16

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1918.755+/-0.373 χ^2/NDF:18974.3/15

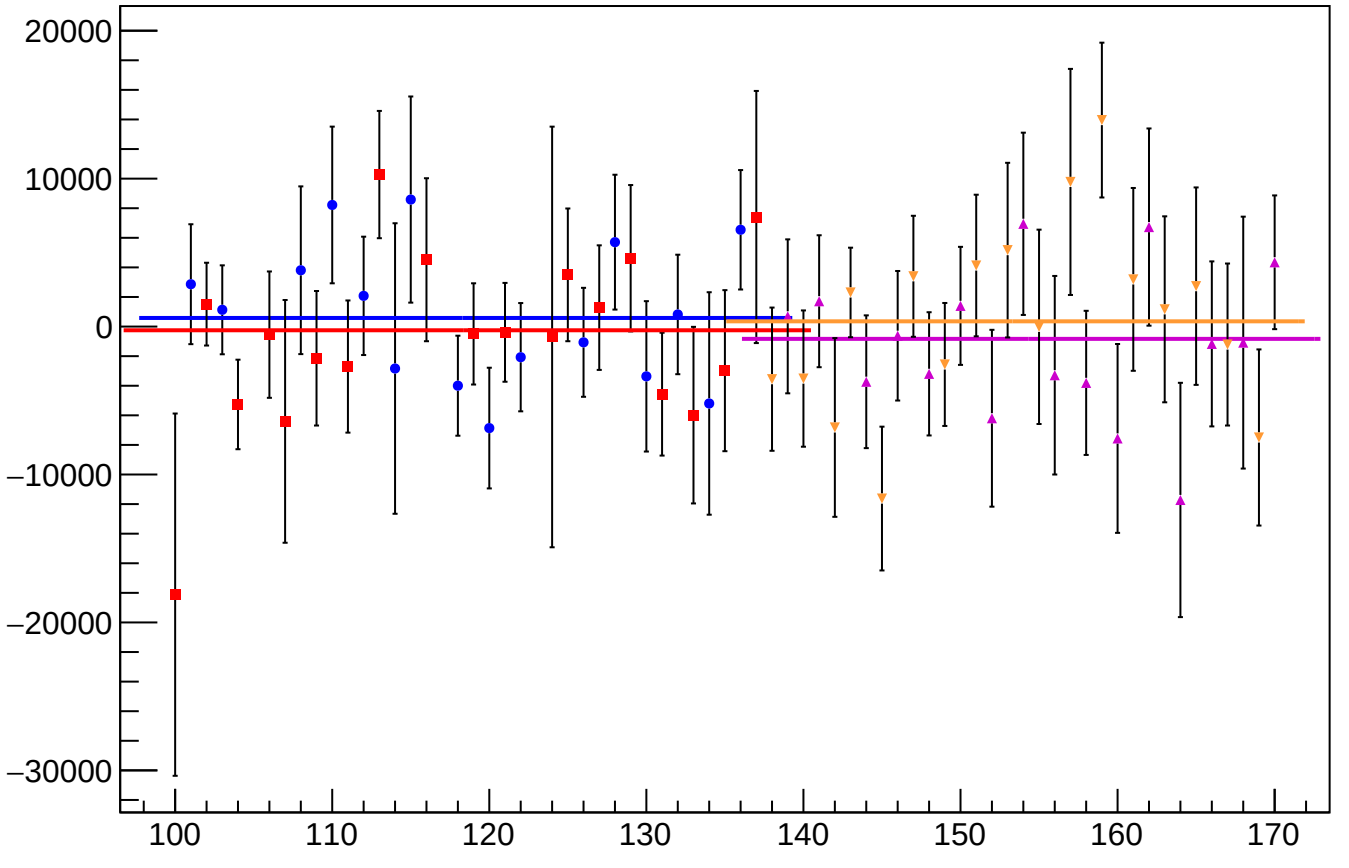
Left: 1885.612+/-0.259 χ^2/NDF: 292844.3/32

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.913+/-0.293 χ^2/NDF:753969.7/31

Out: 1812.906+/-0.284 χ^2/NDF:522558.9/35

All: 1835.118+/-0.204 χ^2/NDF: 1289238.4/67



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 354.550+/-1220.710 χ^2/NDF:22.1/16

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -831.091+/-1306.264 χ^2/NDF:10.0/15

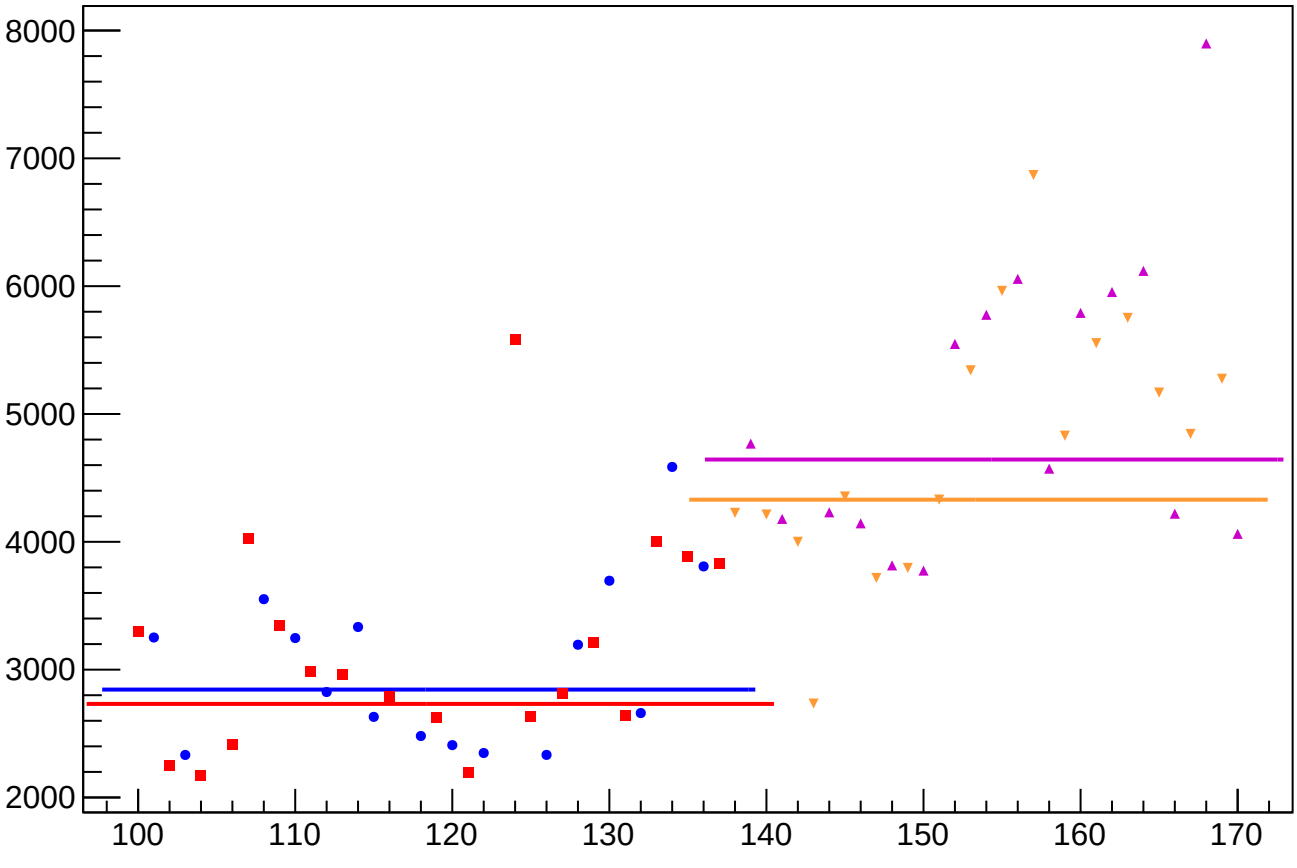
Left: -198.175+/-891.885 χ^2/NDF: 32.5/32

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 7.447+/-833.031 χ^2/NDF:25.5/31

Out: -1.288+/-783.178 χ^2/NDF:40.1/35

All: 2.811+/-570.601 χ^2/NDF: 65.7/67



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4329.742+/-0.863 χ^2/NDF:1343766.3/16

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4643.755+/-0.924 χ^2/NDF:990476.8/15

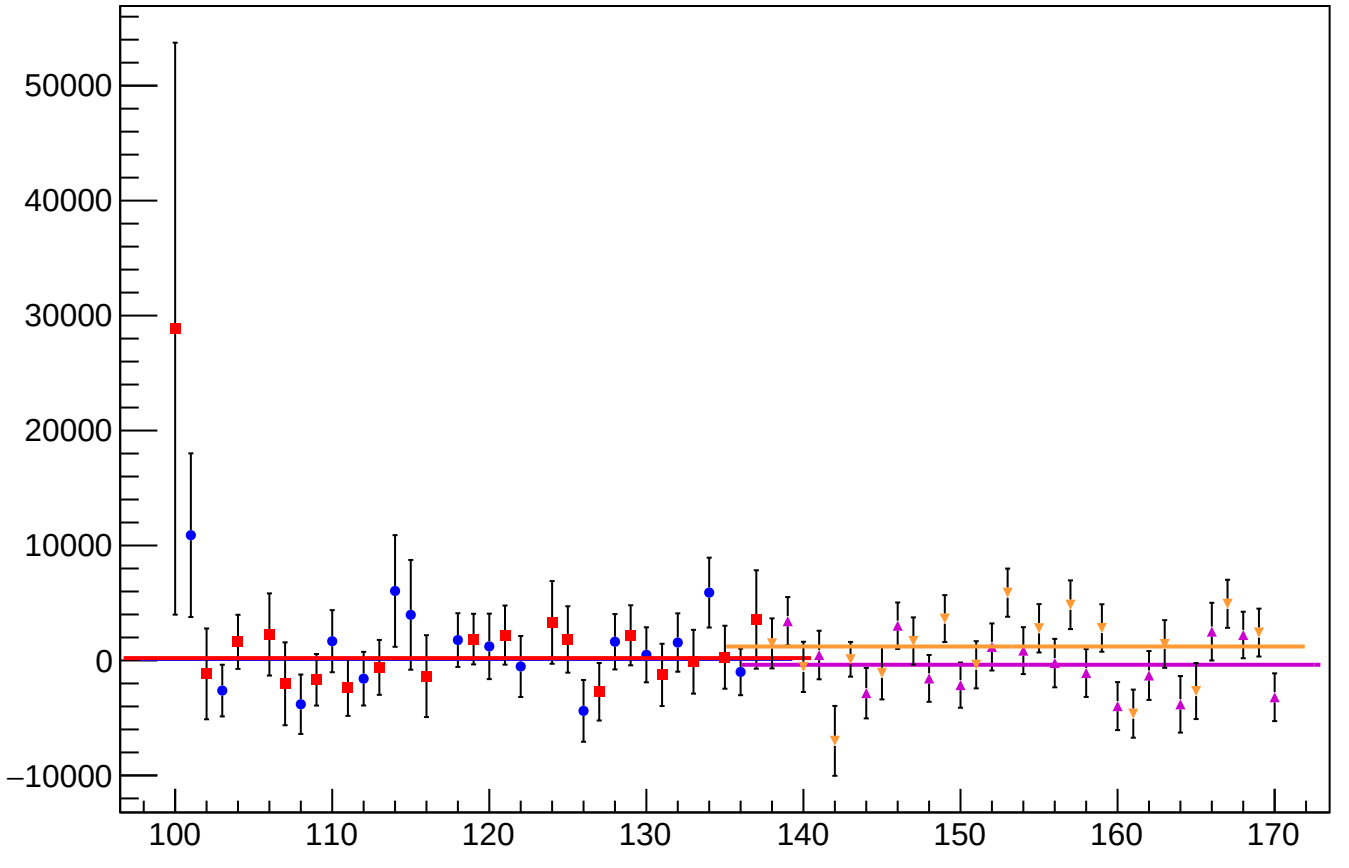
Left: 4476.129+/-0.631 χ^2/NDF: 2395938.7/32

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3576.027+/-0.589 χ^2/NDF:3784699.3/31

Out: 3389.648+/-0.554 χ^2/NDF:3971033.7/35

All: 3477.094+/-0.403 χ^2/NDF: 7808875.8/67



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1215.836+/-508.309 χ^2/NDF:34.5/16

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -374.582+/-527.905 χ^2/NDF:19.6/15

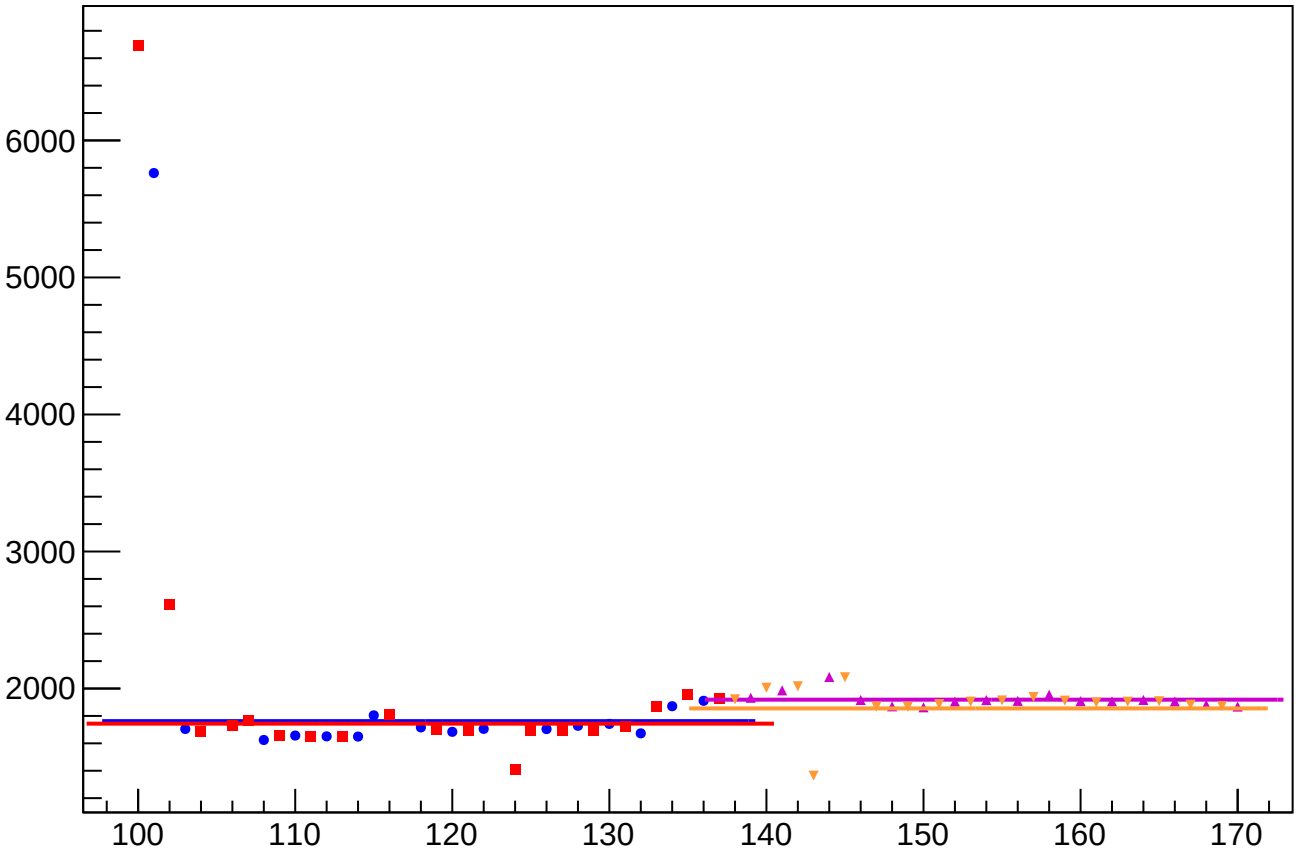
Left: 450.694+/-366.161 χ^2/NDF: 58.9/32

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -180.424+/-415.041 χ^2/NDF:37.3/31

Out: 835.644+/-401.444 χ^2/NDF:45.7/35

All: 344.526+/-288.551 χ^2/NDF: 86.1/67



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1854.884+/-0.359 χ^2/NDF:258678.9/16

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1918.756+/-0.373 χ^2/NDF:18974.5/15

Left: 1885.613+/-0.259 χ^2/NDF: 292845.8/32

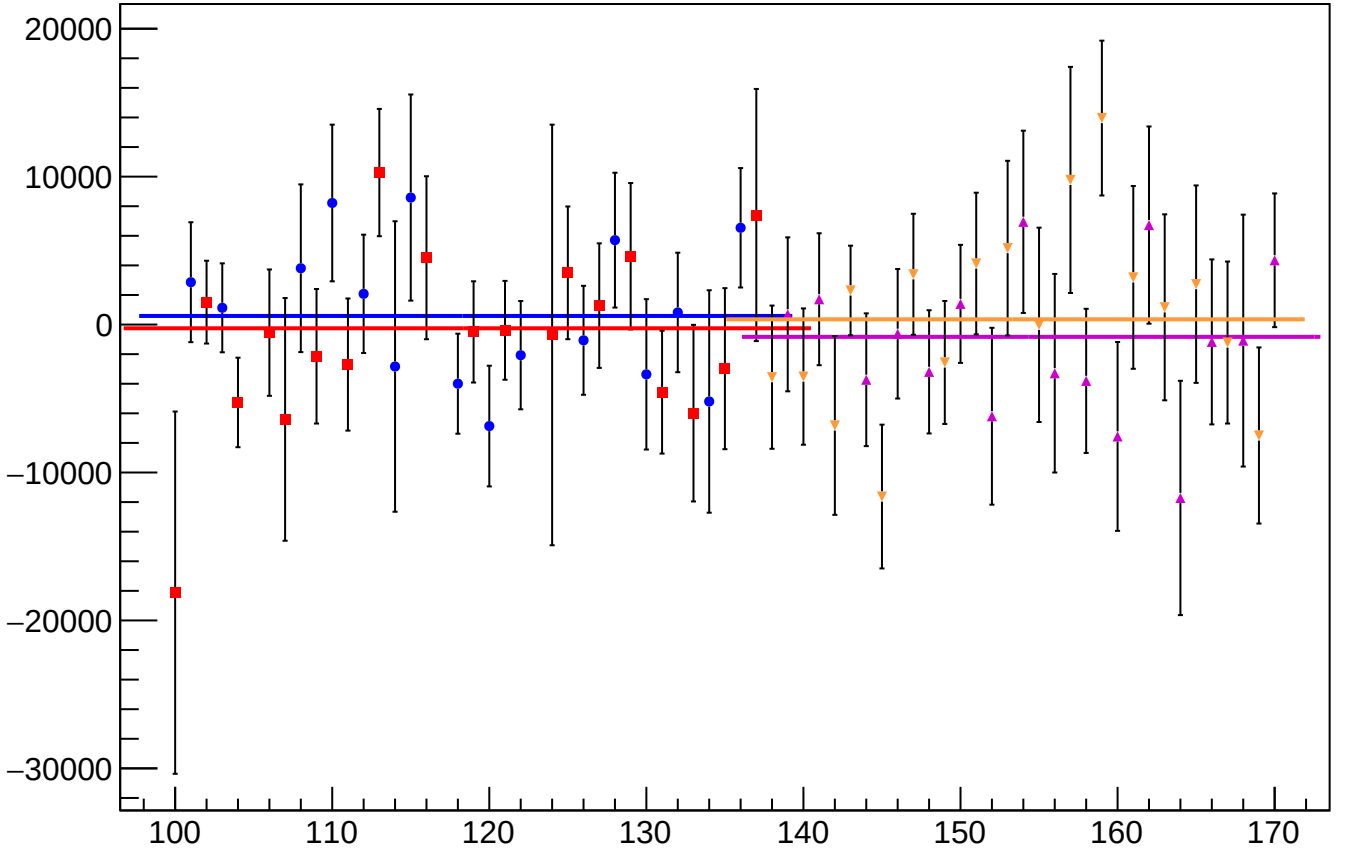
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.913+/-0.293 χ^2/NDF:753970.7/31

Out: 1812.907+/-0.284 χ^2/NDF:522560.7/35

All: 1835.119+/-0.204 χ^2/NDF: 1289241.2/67

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 354.553+/-1220.712 χ^2/NDF:22.1/16

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -831.090+/-1306.266 χ^2/NDF:10.0/15

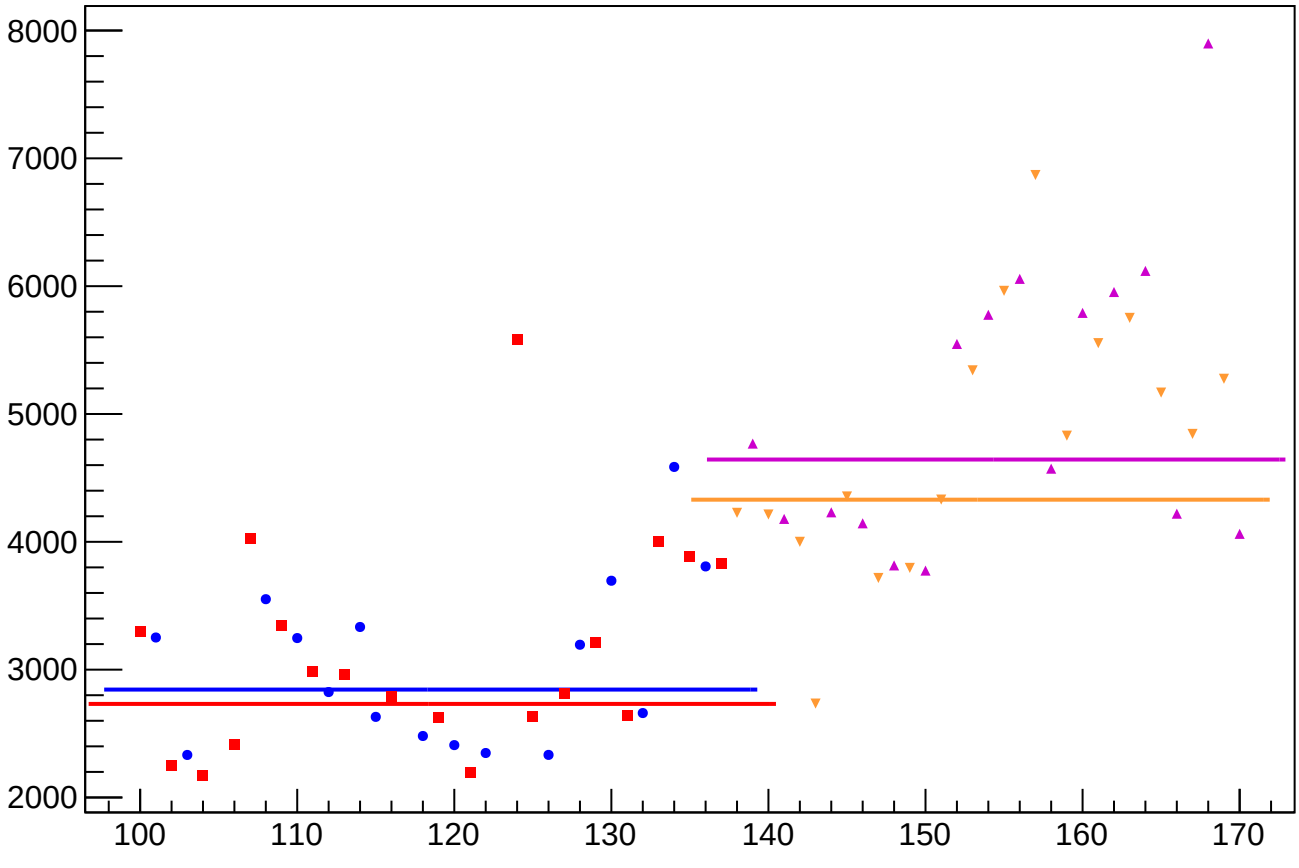
Left: -198.173+/-891.887 χ^2/NDF: 32.5/32

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 7.448+/-833.030 χ^2/NDF:25.5/31

Out: -1.288+/-783.177 χ^2/NDF:40.1/35

All: 2.811+/-570.600 χ^2/NDF: 65.7/67



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4329.747+/-0.863 χ^2/NDF:1343772.0/16

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4643.760+/-0.924 χ^2/NDF:990479.9/15

Left: 4476.134+/-0.631 χ^2/NDF: 2395947.9/32

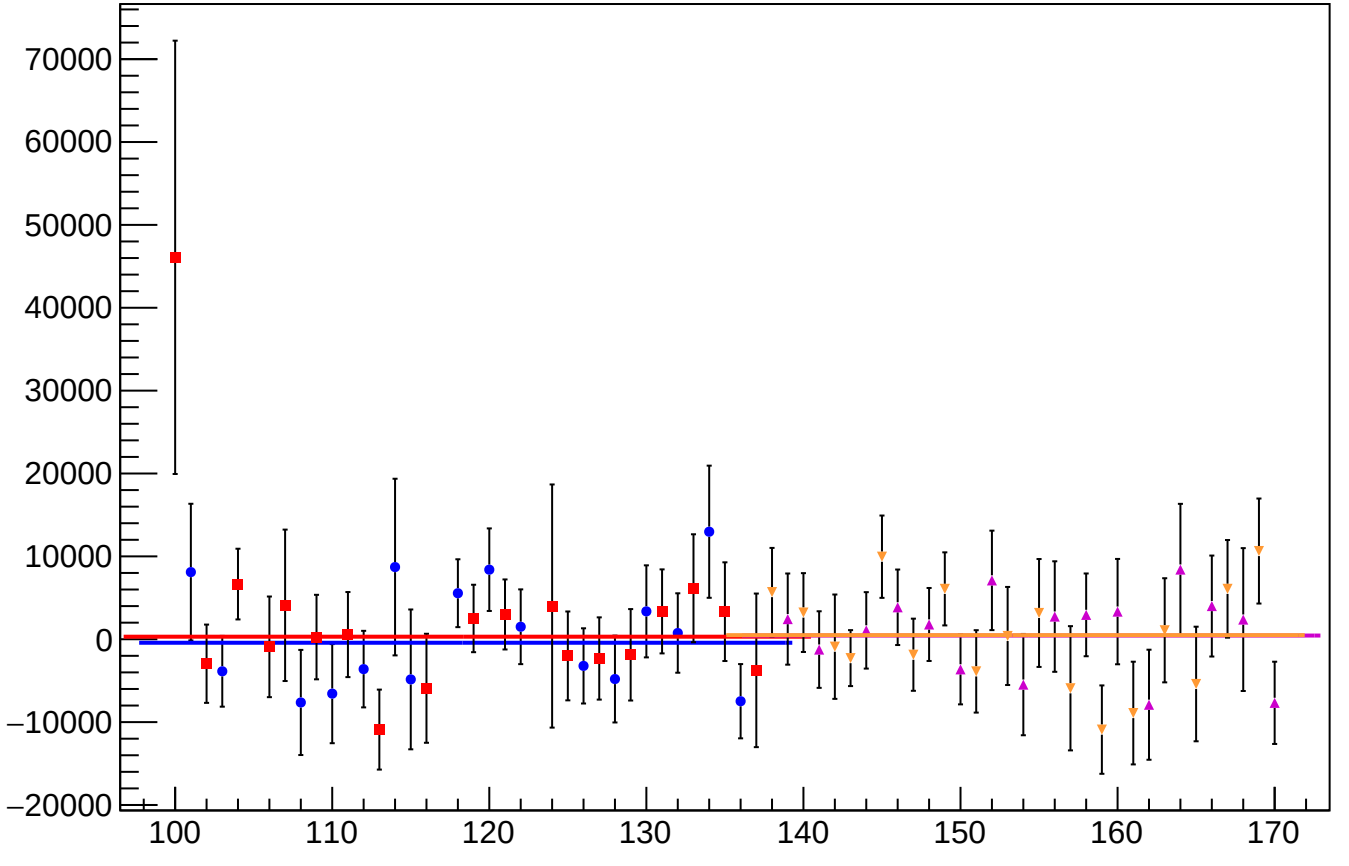
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3576.021+/-0.589 χ^2/NDF:3784741.0/31

Out: 3389.644+/-0.554 χ^2/NDF:3971063.9/35

All: 3477.089+/-0.403 χ^2/NDF: 7808947.0/67

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 494.674+/-1281.714 χ^2/NDF:20.3/16

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 446.037+/-1355.663 χ^2/NDF:10.3/15

Left: 471.718+/-931.355 χ^2/NDF: 30.5/32

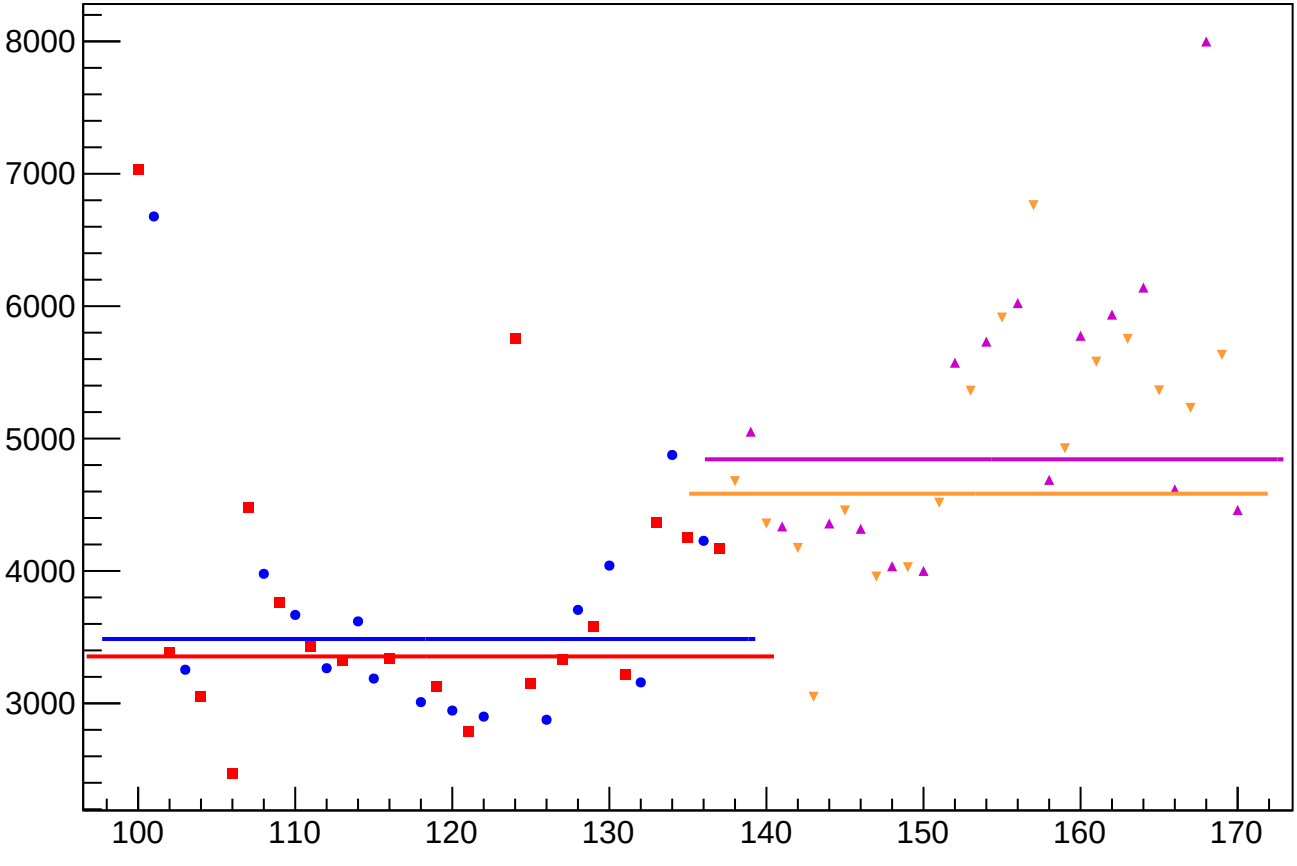
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 2.252+/-948.396 χ^2/NDF:28.4/31

Out: 400.811+/-904.181 χ^2/NDF:35.6/35

All: 211.038+/-654.426 χ^2/NDF: 64.0/67

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4583.568+/-0.906 χ^2/NDF:1022106.1/16

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4843.452+/-0.959 χ^2/NDF:792403.6/15

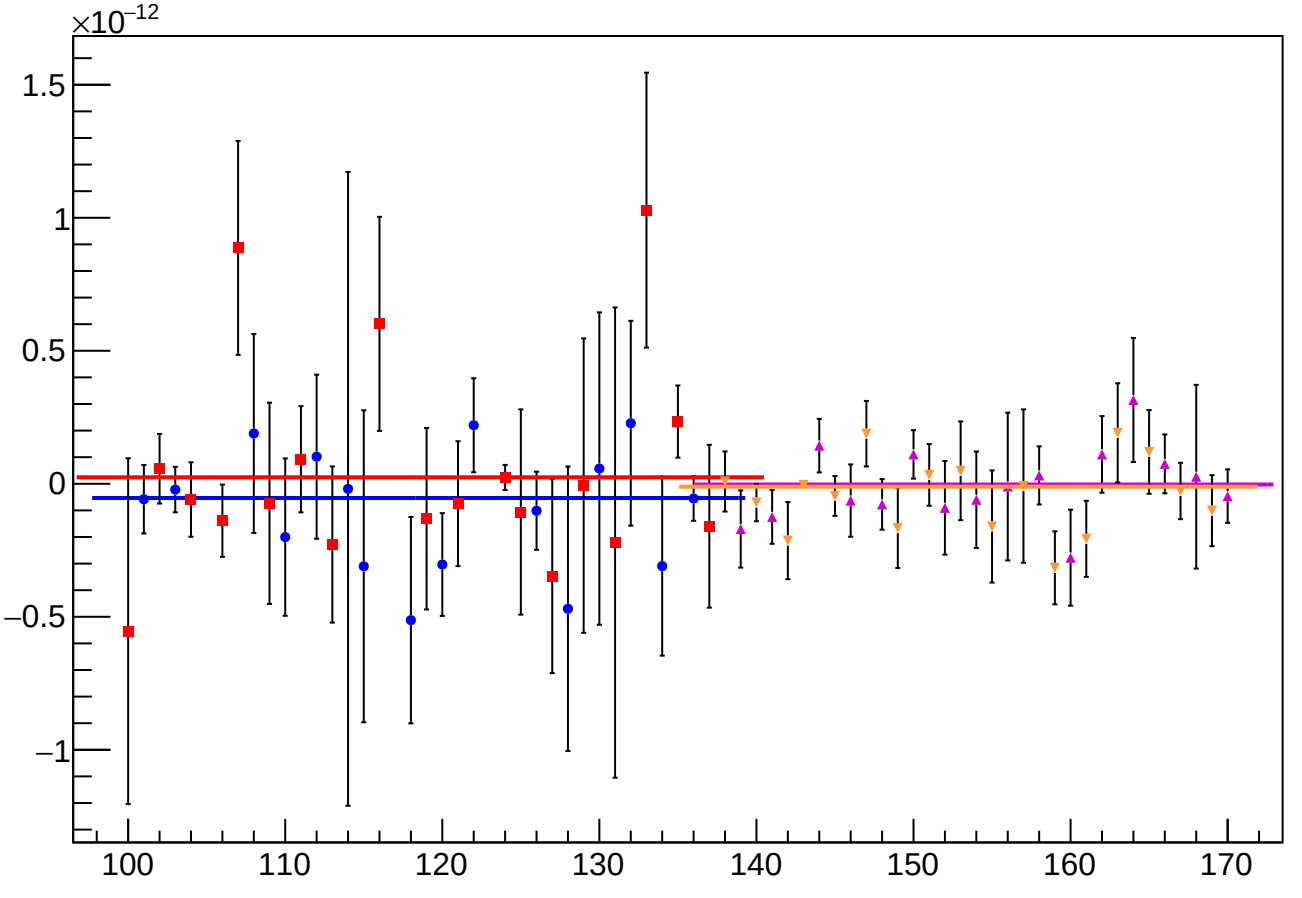
Left: 4706.229+/-0.659 χ^2/NDF: 1853319.0/32

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4150.440+/-0.671 χ^2/NDF:2411814.2/31

Out: 3957.489+/-0.635 χ^2/NDF:2335401.0/35

All: 4048.679+/-0.461 χ^2/NDF: 4790874.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/15

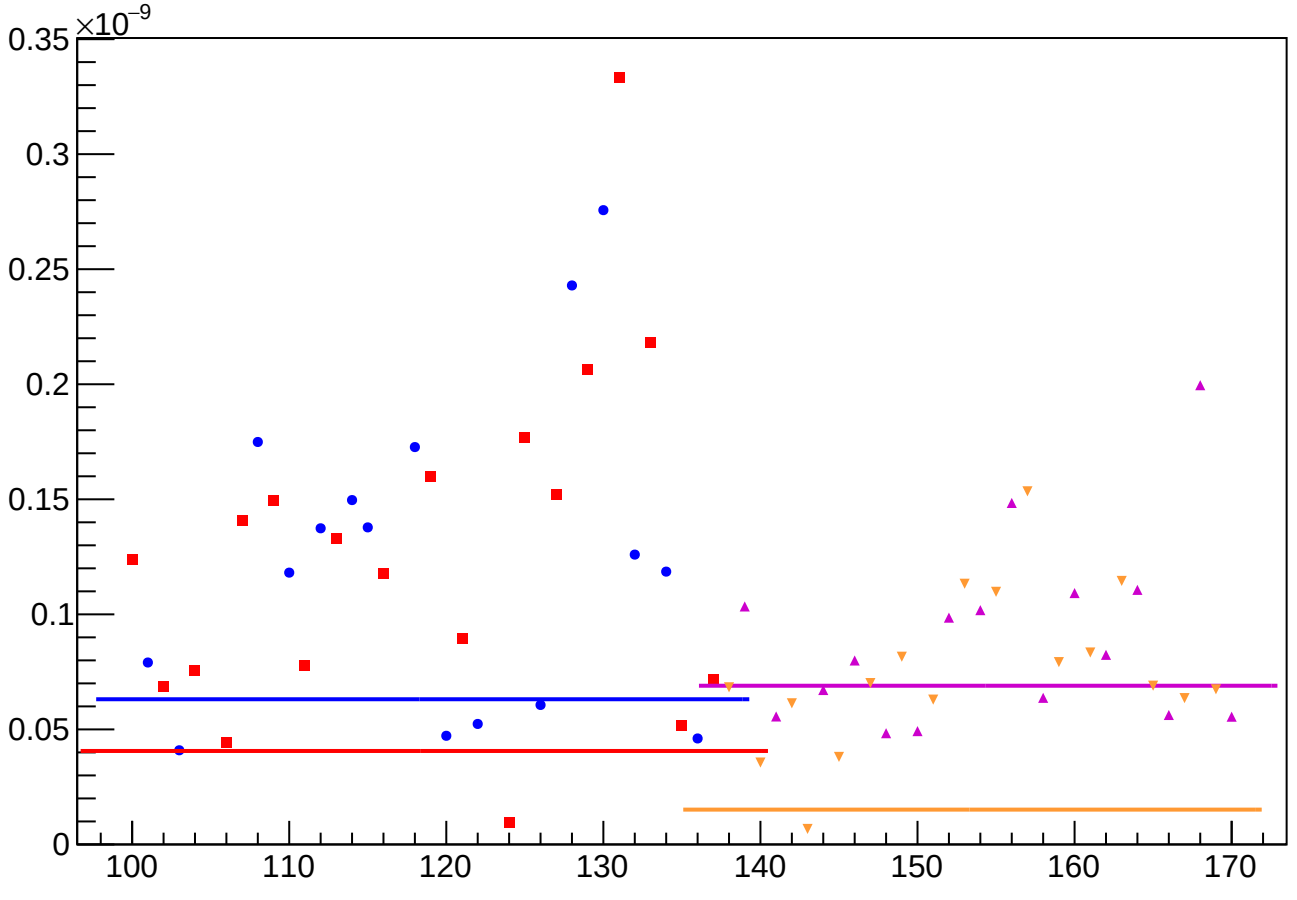
Left: -0.000+/-0.000 χ^2/NDF: 30.0/32

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:22.6/31

Out: -0.000+/-0.000 χ^2/NDF:36.1/35

All: -0.000+/-0.000 χ^2/NDF: 58.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6820638.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1168849.0/15

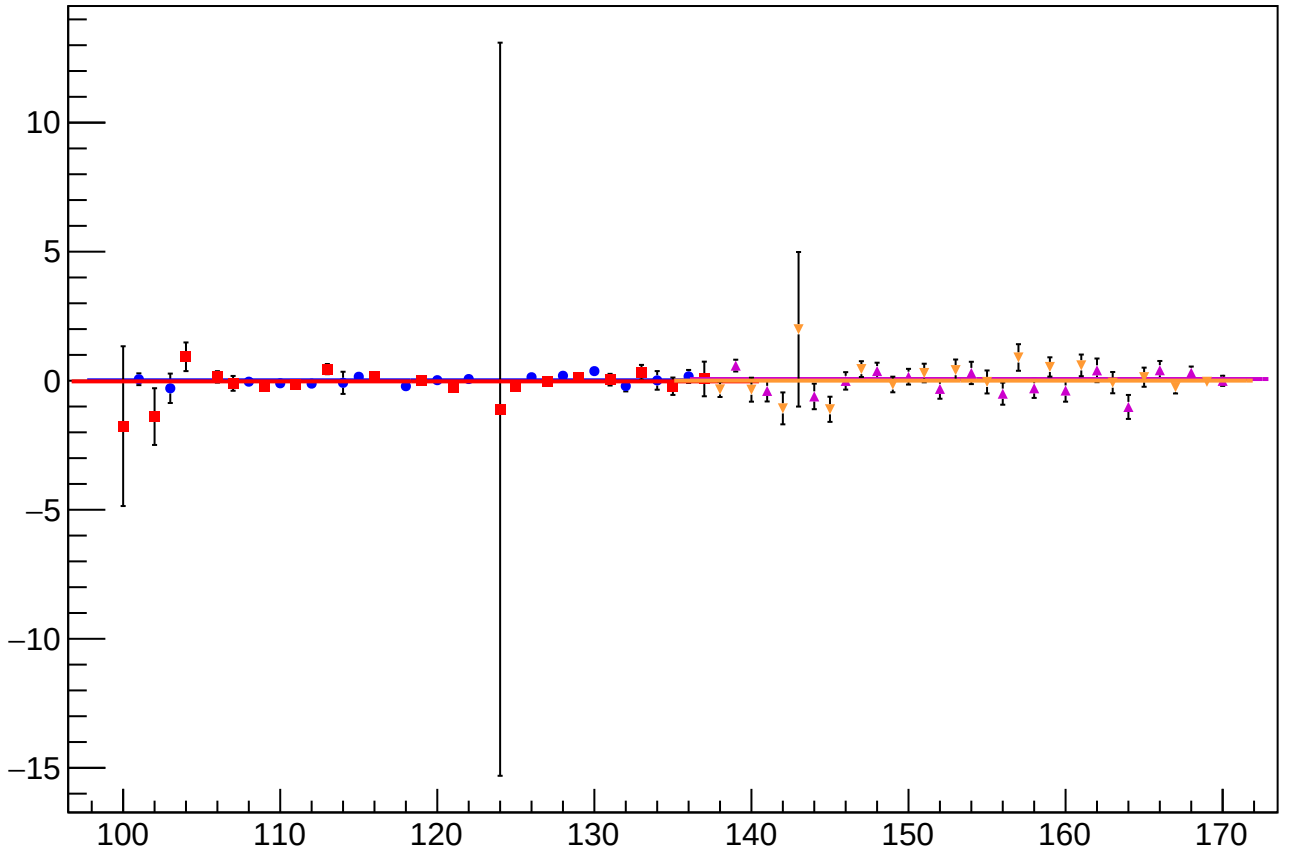
Left: 0.000+/-0.000 χ^2/NDF: 12955557.0/32

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2623830.4/31

Out: 0.000+/-0.000 χ^2/NDF:10908953.8/35

All: 0.000+/-0.000 χ^2/NDF: 19585350.9/67



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.004+/-0.084 χ^2/NDF:22.9/16

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.035+/-0.059 χ^2/NDF: 45.5/32

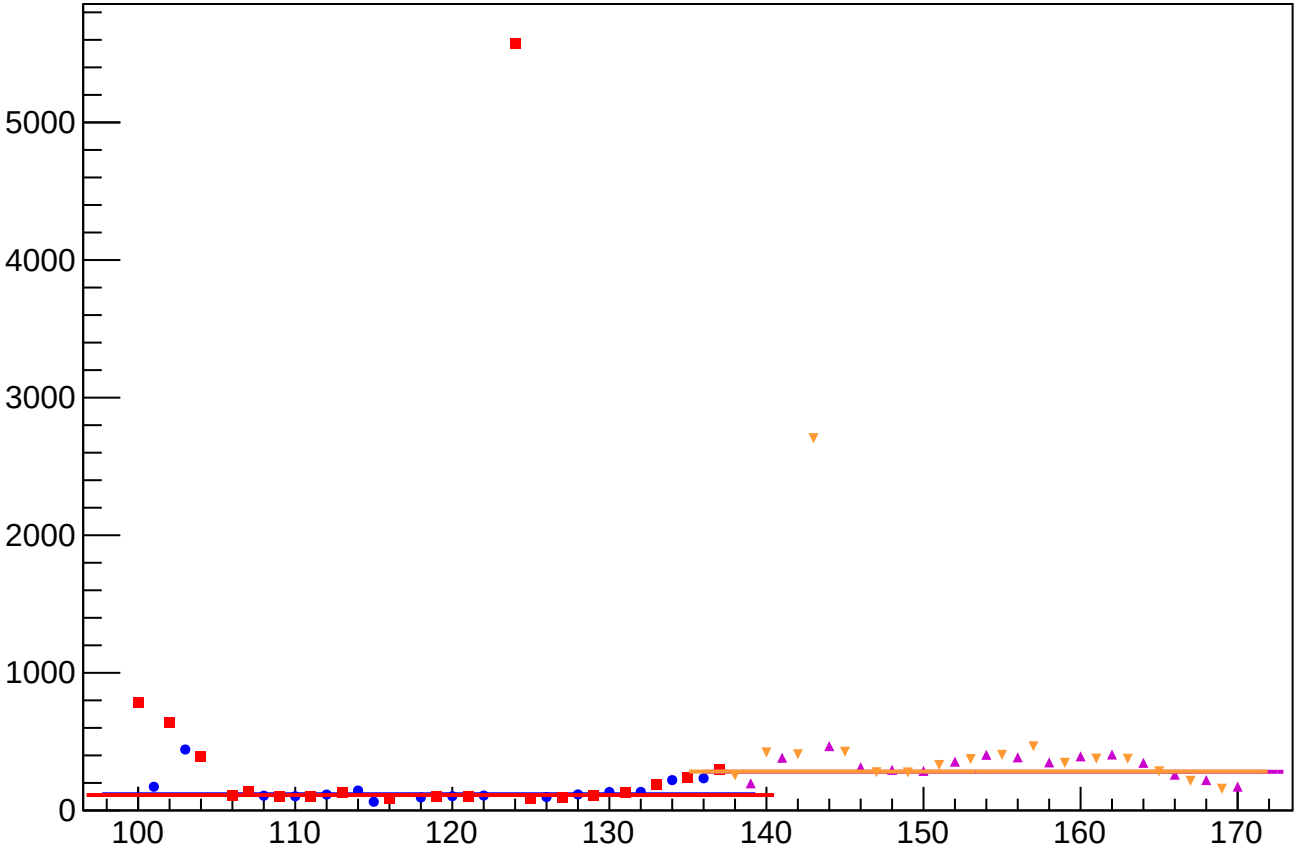
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.019+/-0.041 χ^2/NDF:45.1/35

All: 0.004+/-0.029 χ^2/NDF: 80.1/67

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 282.897+/-0.059 χ^2/NDF:3701271.9/16

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 281.040+/-0.058 χ^2/NDF:2183824.2/15

Left: 281.945+/-0.042 χ^2/NDF: 5885595.9/32

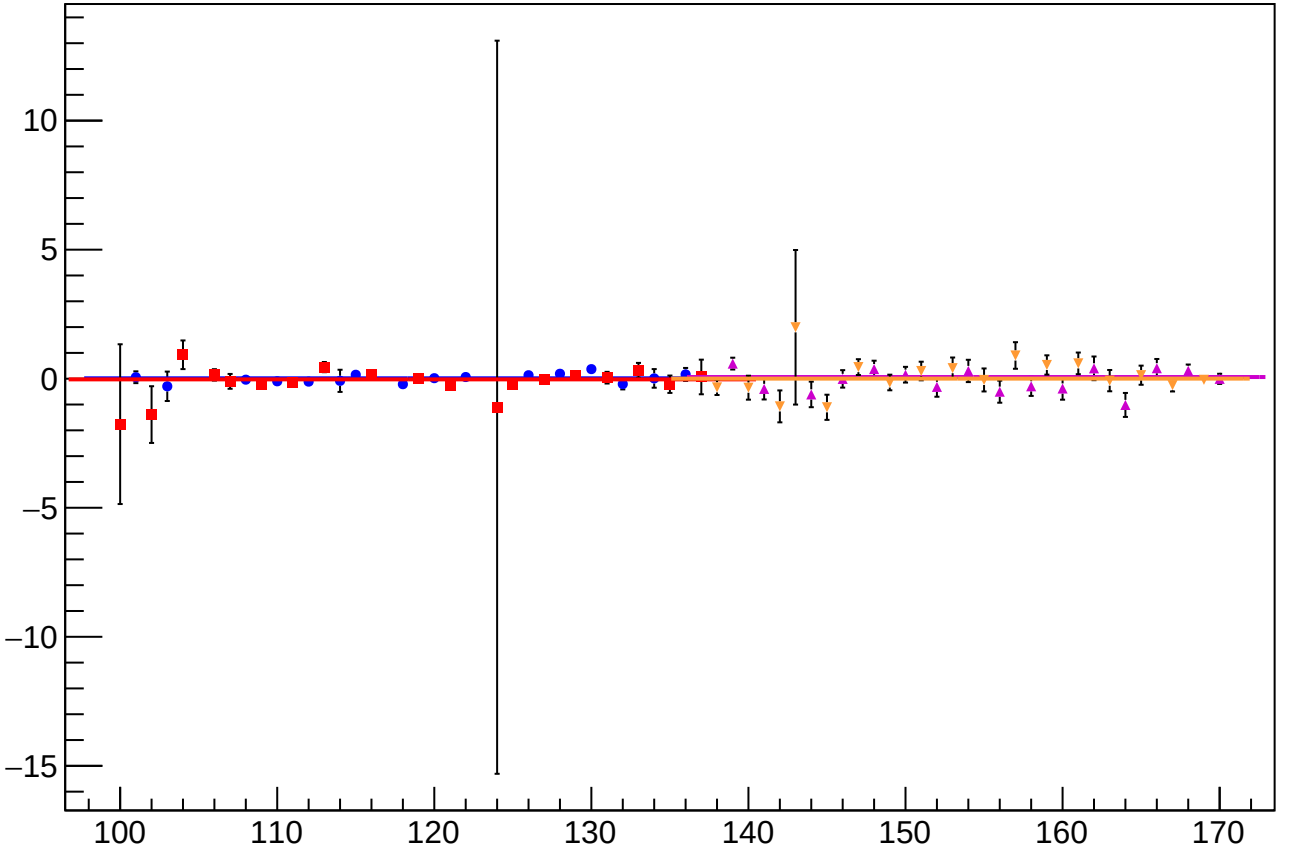
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 159.216+/-0.029 χ^2/NDF:9828036.6/31

Out: 152.593+/-0.029 χ^2/NDF:12186920.0/35

All: 155.869+/-0.021 χ^2/NDF: 22040878.8/67

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: 0.004+/-0.084 χ^2/NDF:22.9/16

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.035+/-0.059 χ^2/NDF: 45.5/32

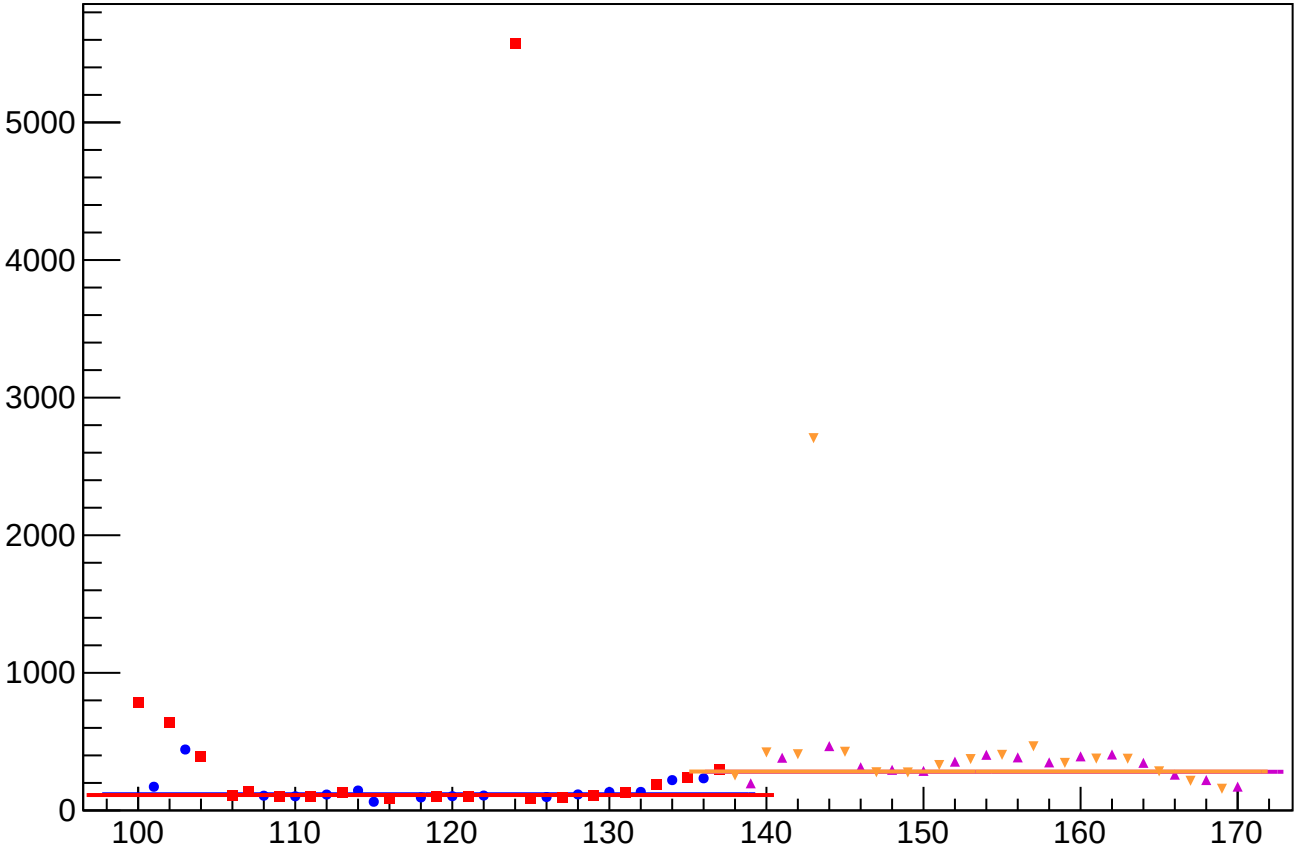
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.019+/-0.041 χ^2/NDF:45.1/35

All: 0.004+/-0.029 χ^2/NDF: 80.1/67

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: 282.897+/-0.059 χ^2/NDF:3701271.9/16

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 281.040+/-0.058 χ^2/NDF:2183824.2/15

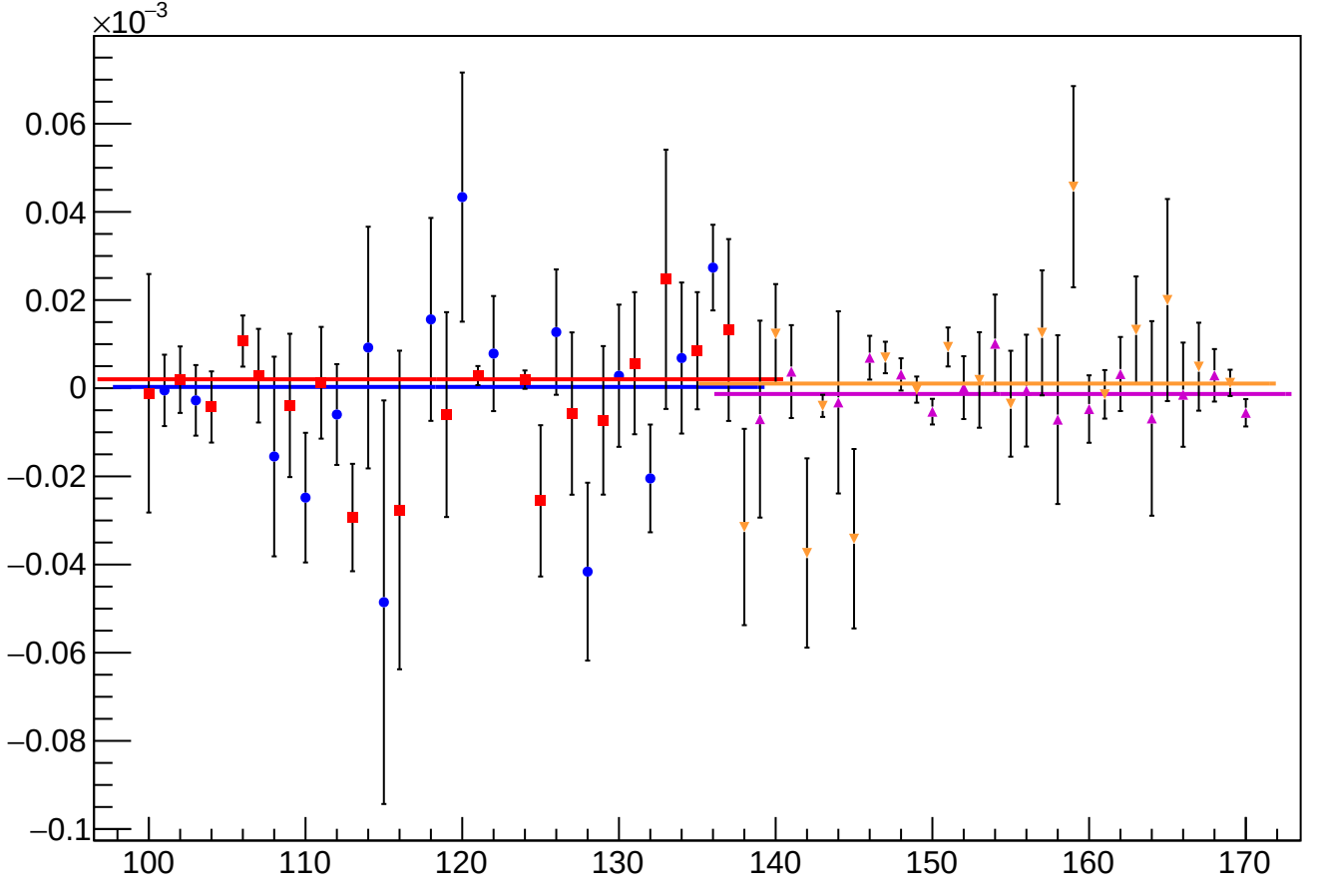
Left: 281.945+/-0.042 χ^2/NDF: 5885595.9/32

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 159.216+/-0.029 χ^2/NDF:9828036.6/31

Out: 152.593+/-0.029 χ^2/NDF:12186920.0/35

All: 155.869+/-0.021 χ^2/NDF: 22040878.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/15

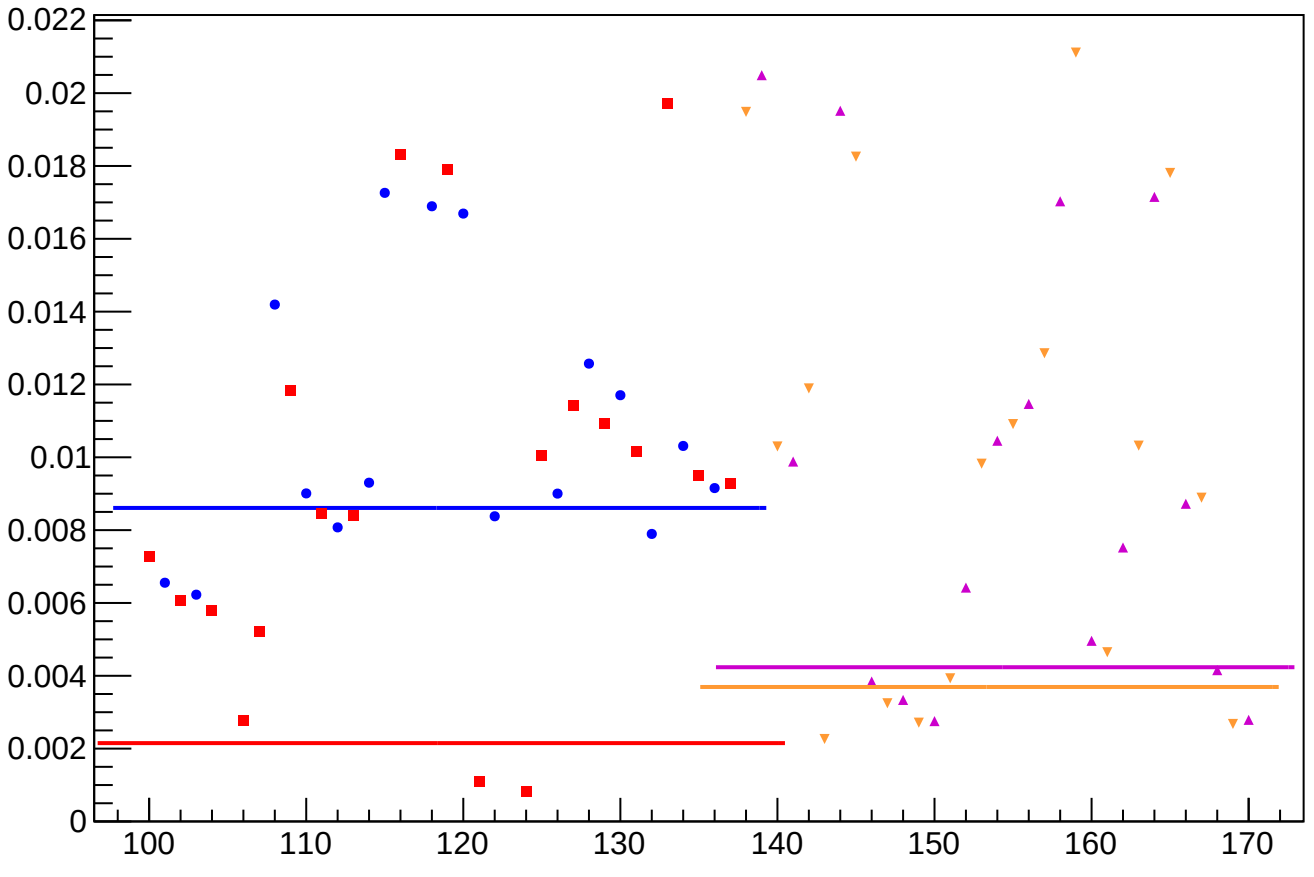
Left: 0.000+/-0.000 χ^2/NDF: 38.5/32

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:34.8/31

Out: 0.000+/-0.000 χ^2/NDF:41.6/35

All: 0.000+/-0.000 χ^2/NDF: 78.9/67



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:9464028.7/16

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:7462980.3/15

Left: 0.004+/-0.000 χ^2/NDF: 17079763.7/32

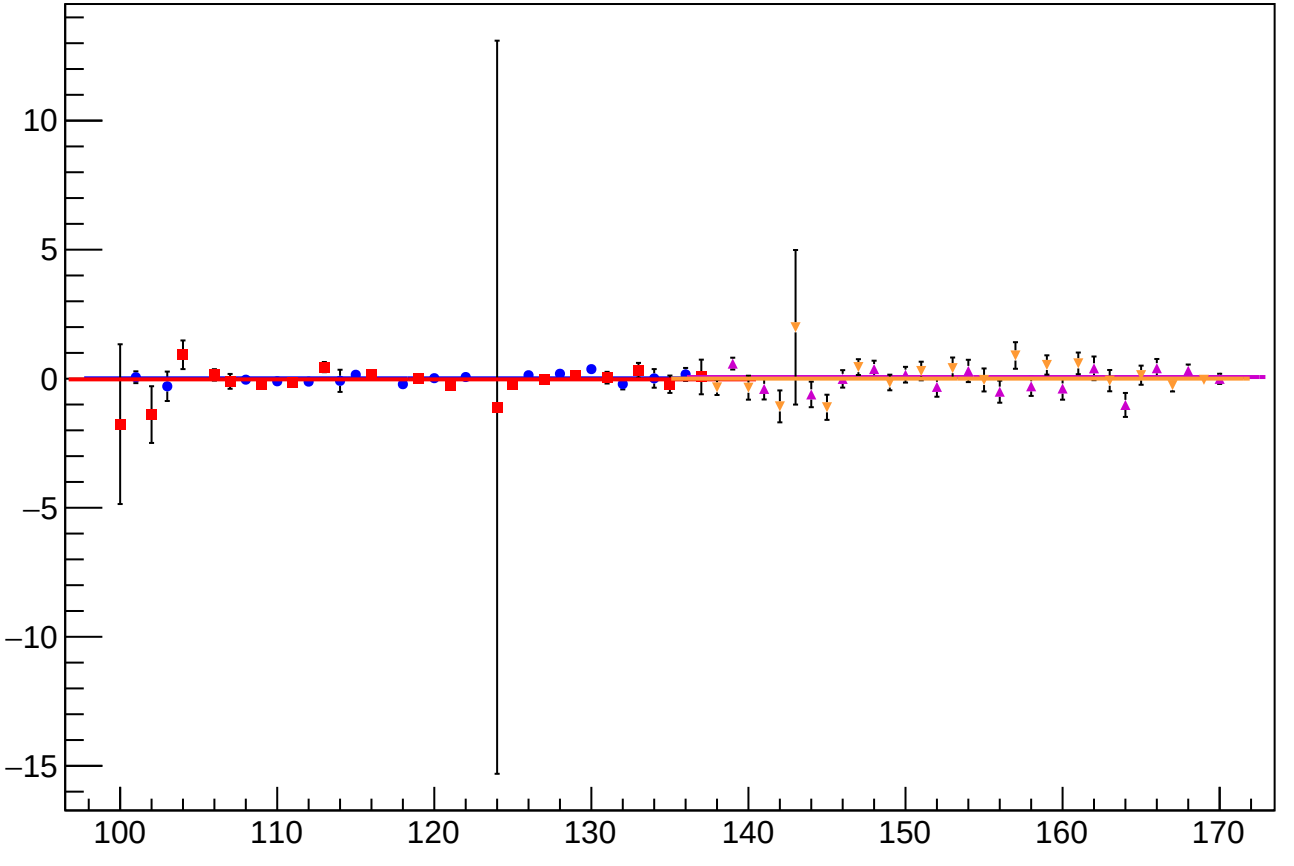
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:11395046.7/31

Out: 0.003+/-0.000 χ^2/NDF:19928504.7/35

All: 0.004+/-0.000 χ^2/NDF: 34261471.3/67

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: 0.004+/-0.084 χ^2/NDF:22.9/16

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.035+/-0.059 χ^2/NDF: 45.5/32

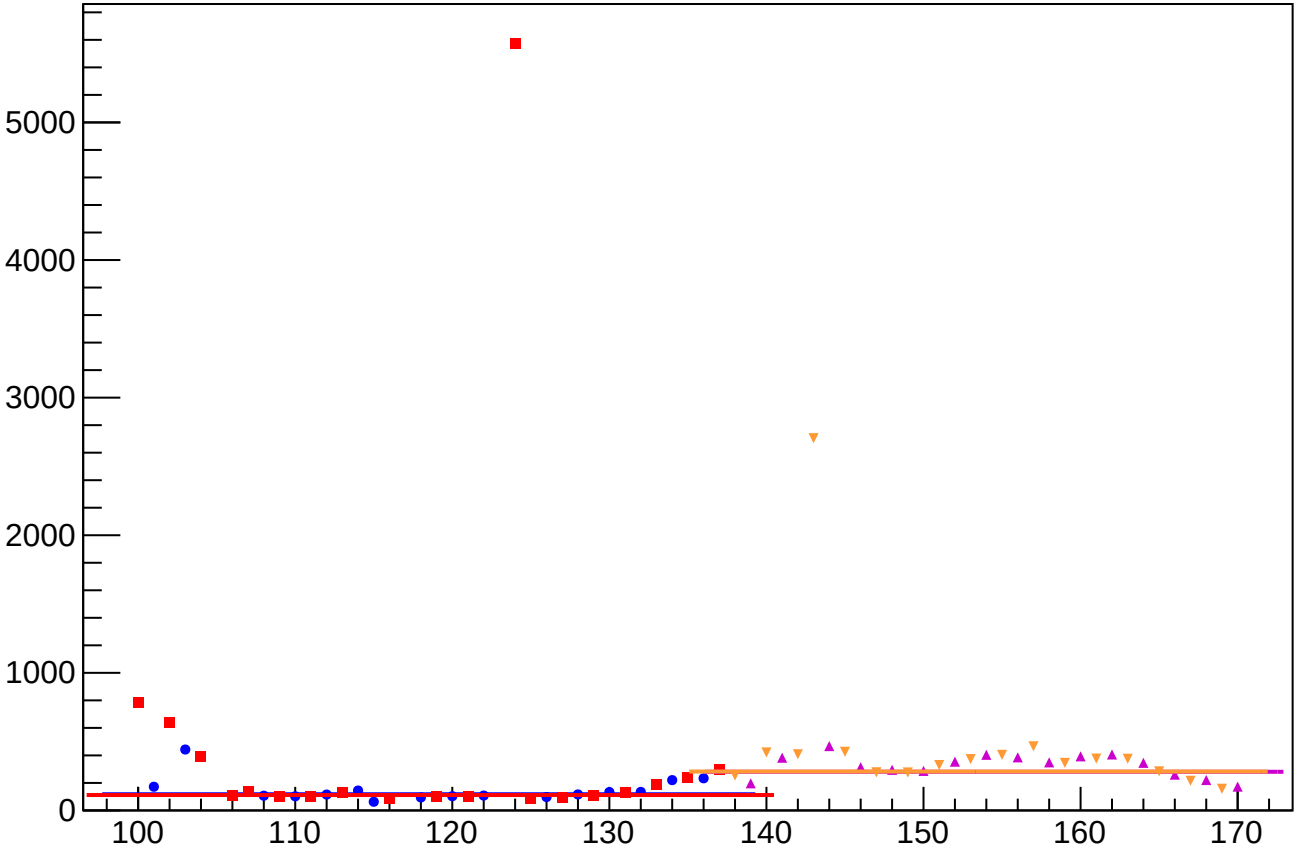
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.019+/-0.041 χ^2/NDF:45.1/35

All: 0.004+/-0.029 χ^2/NDF: 80.1/67

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: 282.899+/-0.059 χ^2/NDF:3701367.2/16

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 281.044+/-0.058 χ^2/NDF:2183851.1/15

Left: 281.948+/-0.042 χ^2/NDF: 5885717.5/32

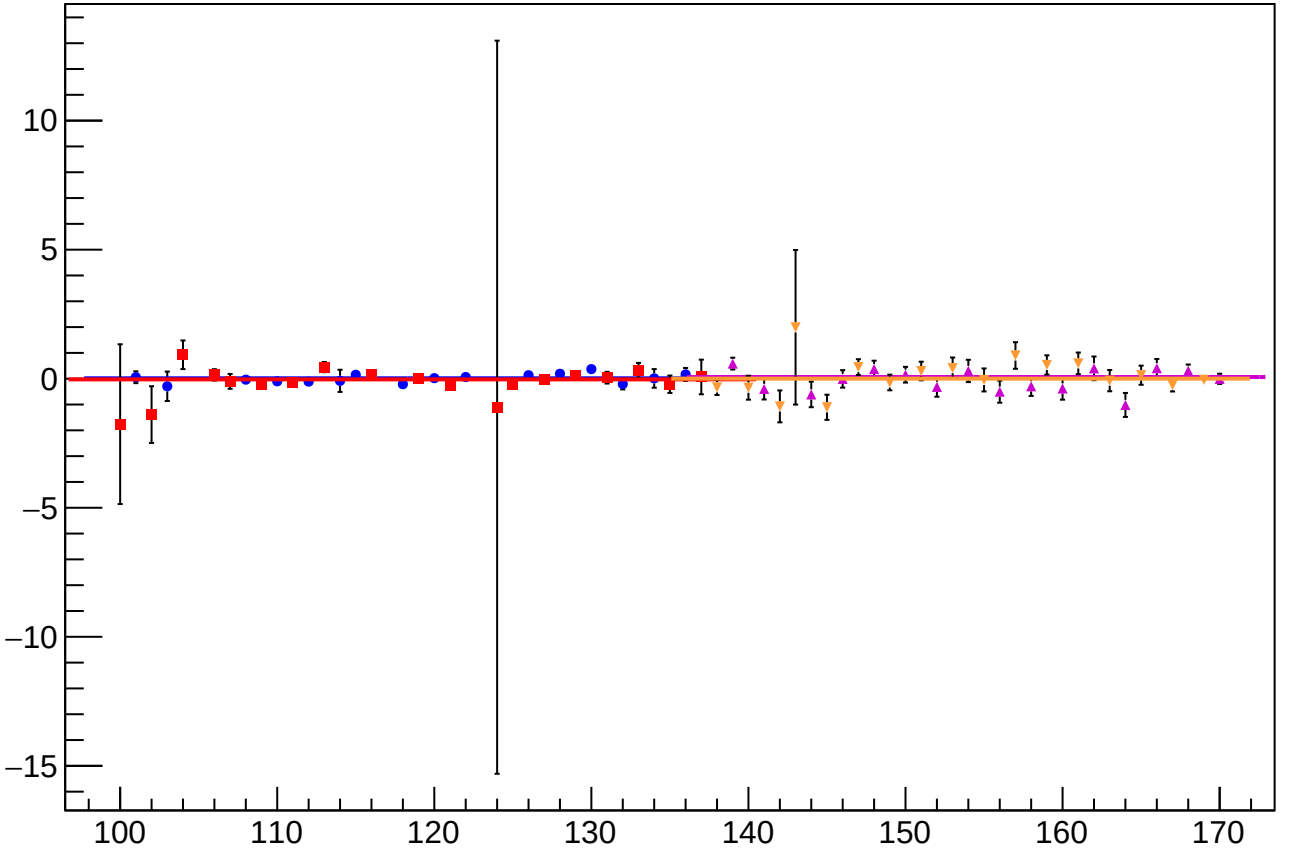
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 159.216+/-0.029 χ^2/NDF:9828164.9/31

Out: 152.595+/-0.029 χ^2/NDF:12186863.3/35

All: 155.870+/-0.021 χ^2/NDF: 22040936.3/67

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: 0.004+/-0.084 χ^2/NDF:22.9/16

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.035+/-0.059 χ^2/NDF: 45.5/32

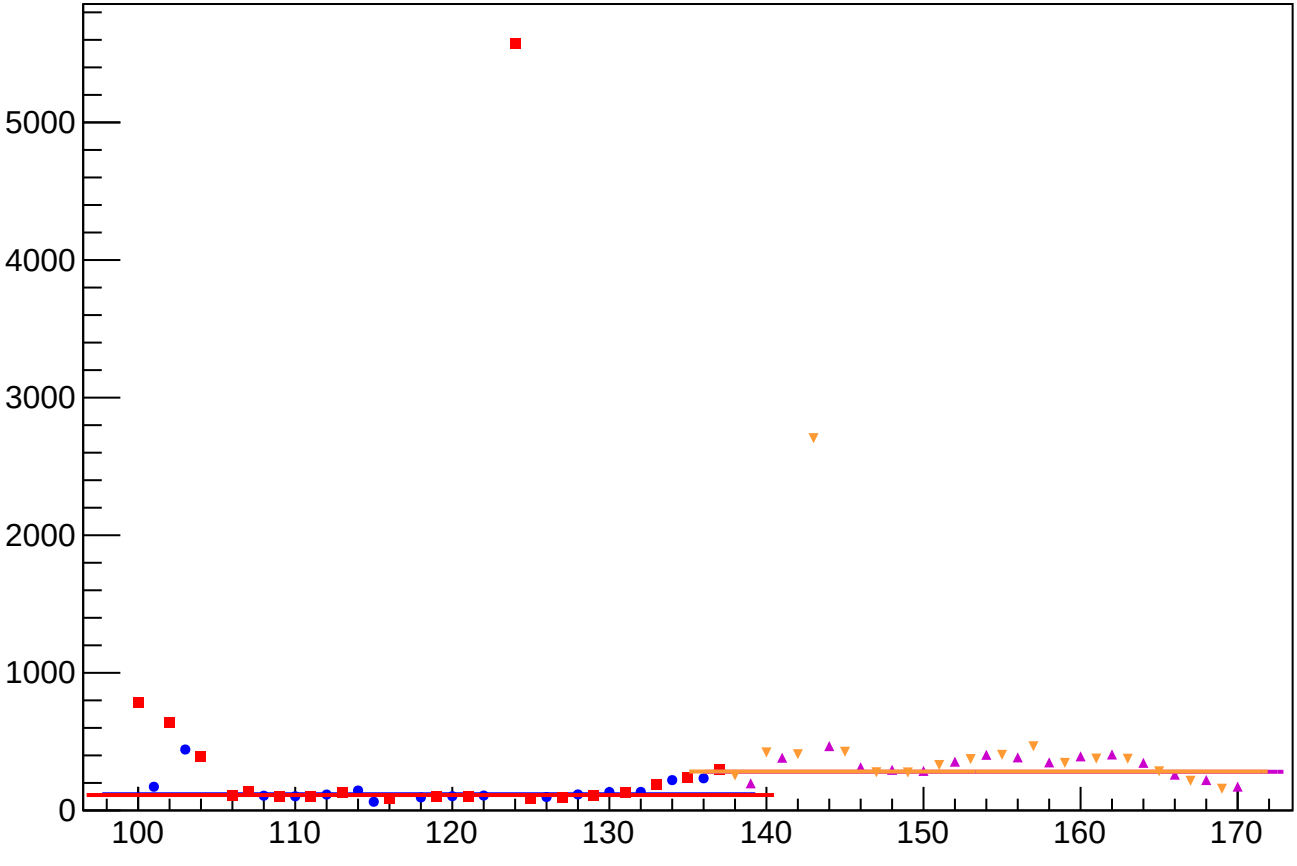
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.019+/-0.041 χ^2/NDF:45.1/35

All: 0.004+/-0.029 χ^2/NDF: 80.1/67

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: 282.899+/-0.059 χ^2/NDF:3701367.2/16

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 281.044+/-0.058 χ^2/NDF:2183851.1/15

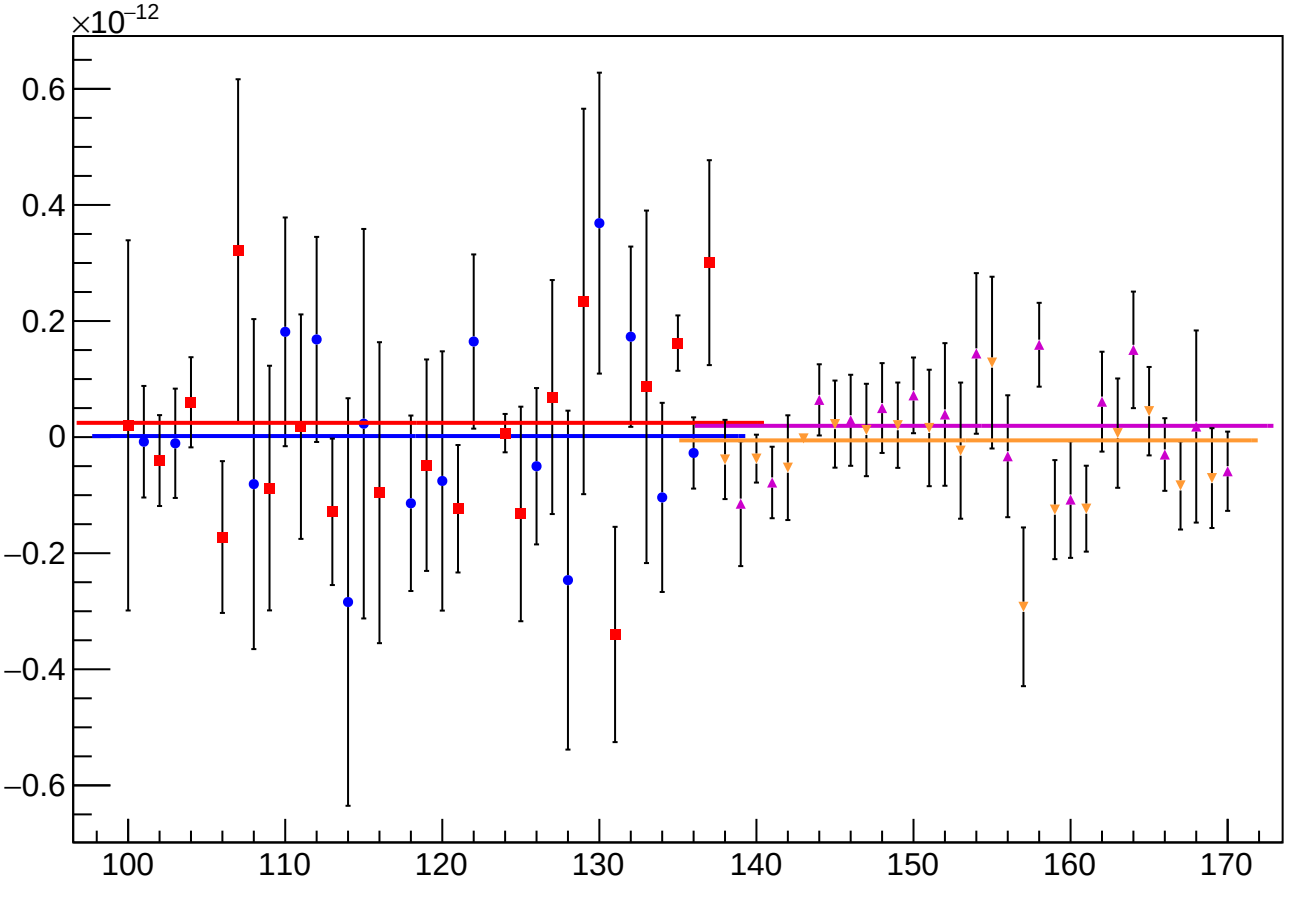
Left: 281.948+/-0.042 χ^2/NDF: 5885717.5/32

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 159.216+/-0.029 χ^2/NDF:9828164.9/31

Out: 152.595+/-0.029 χ^2/NDF:12186863.3/35

All: 155.870+/-0.021 χ^2/NDF: 22040936.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/15

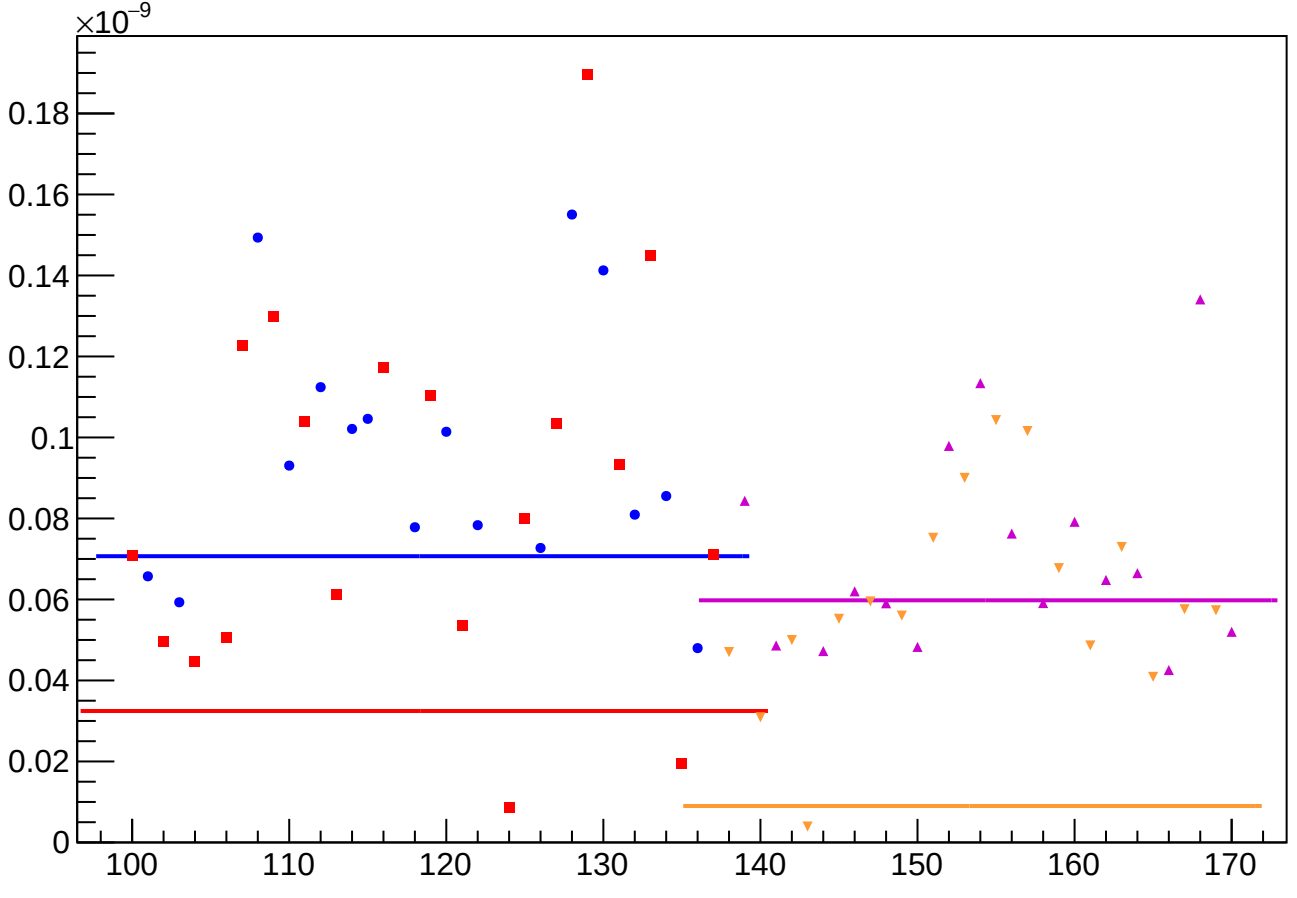
Left: -0.000+/-0.000 χ^2/NDF: 30.6/32

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/31

Out: -0.000+/-0.000 χ^2/NDF:39.5/35

All: -0.000+/-0.000 χ^2/NDF: 65.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12964923.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1530593.9/15

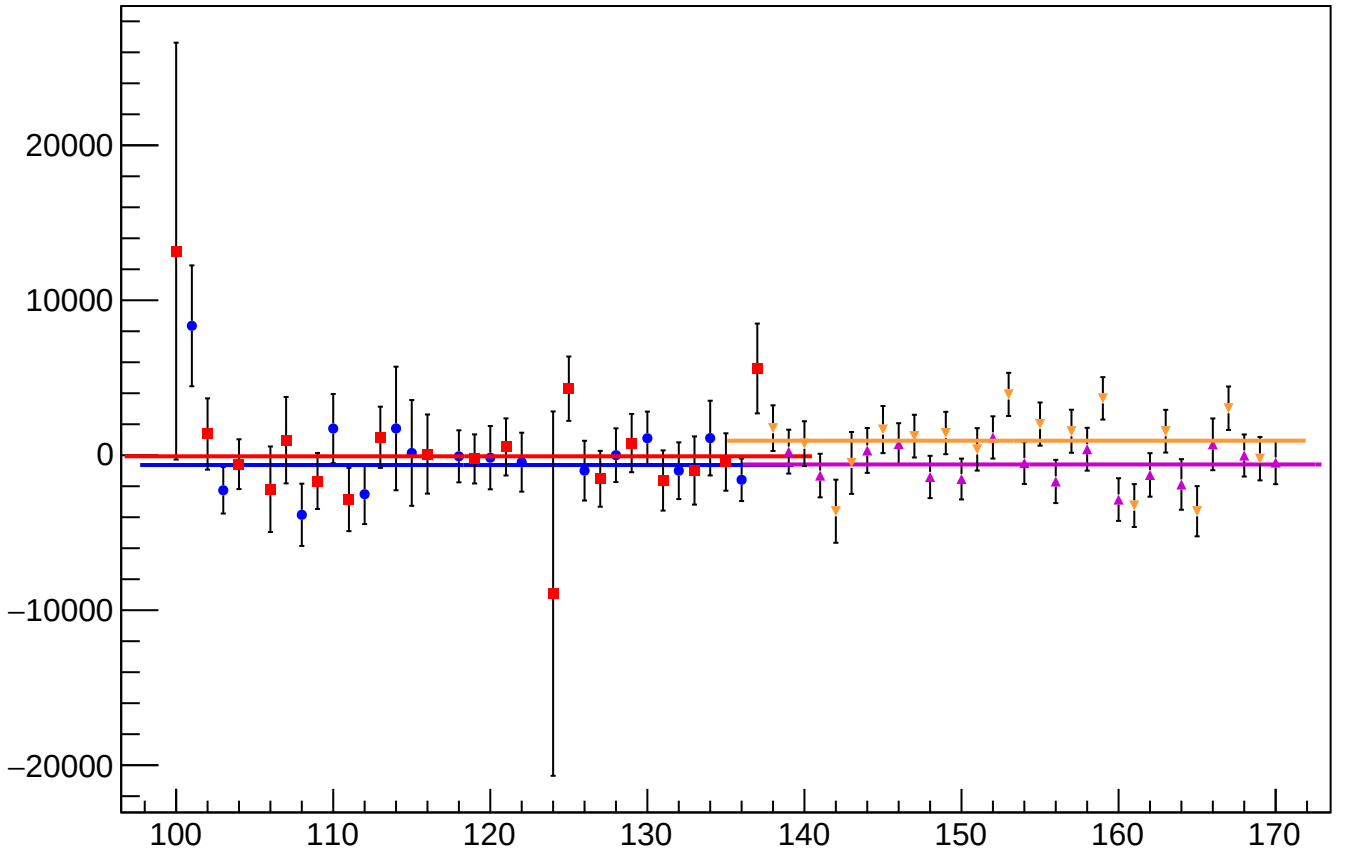
Left: 0.000+/-0.000 χ^2/NDF: 25900517.4/32

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2702719.2/31

Out: 0.000+/-0.000 χ^2/NDF:19585133.2/35

All: 0.000+/-0.000 χ^2/NDF: 37940092.9/67



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.060+/-353.814 χ^2/NDF:35.9/16

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.475+/-351.364 χ^2/NDF:9.9/15

Left: 166.965+/-249.314 χ^2/NDF: 55.3/32

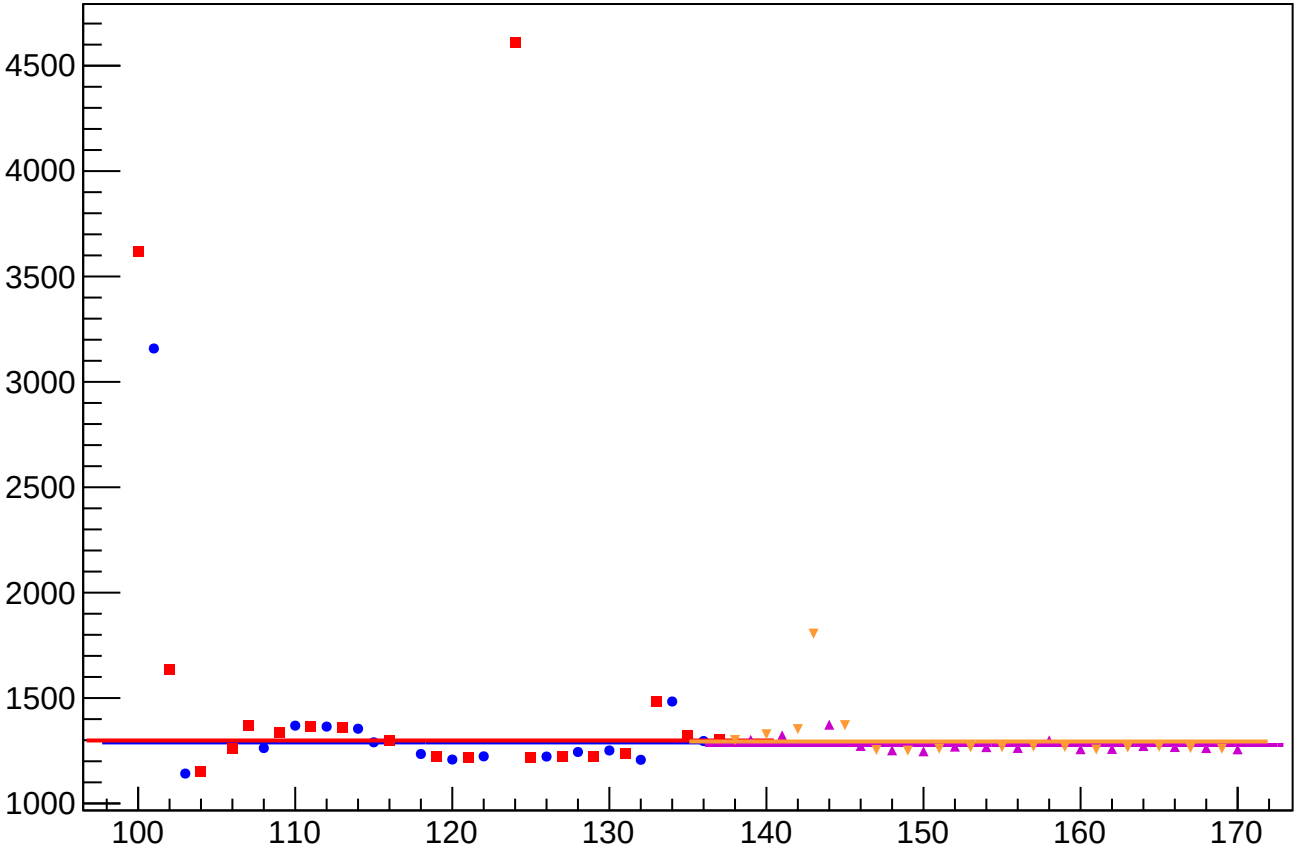
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 591.979+/-286.399 χ^2/NDF:54.6/35

All: -9.837+/-202.116 χ^2/NDF: 87.2/67

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

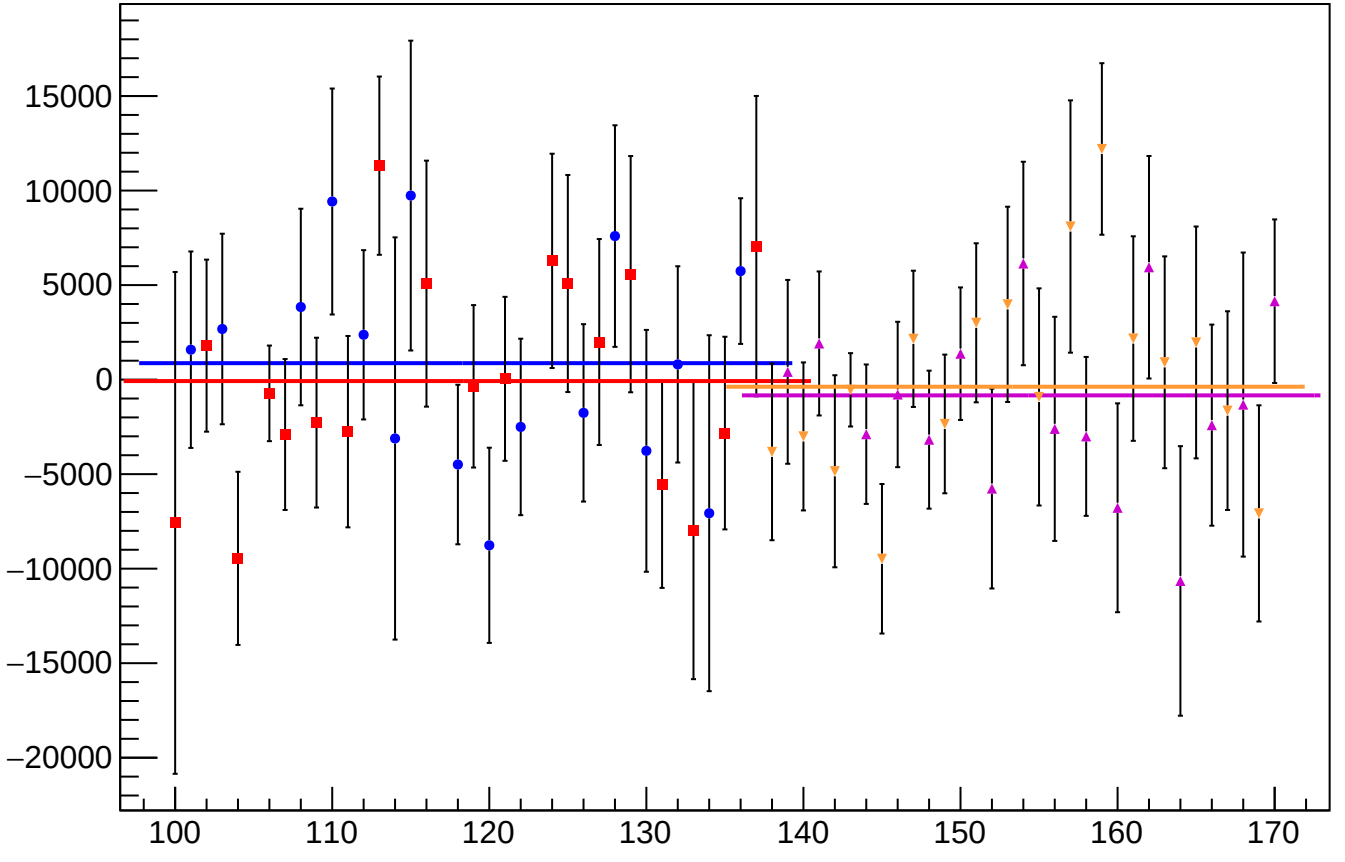
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1295.473+/-0.202 χ^2/NDF:471391.2/35

All: 1288.418+/-0.143 χ^2/NDF: 1004977.8/67

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -376.488+/-1007.264 χ^2/NDF:20.4/16

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -834.151+/-1154.851 χ^2/NDF:10.4/15

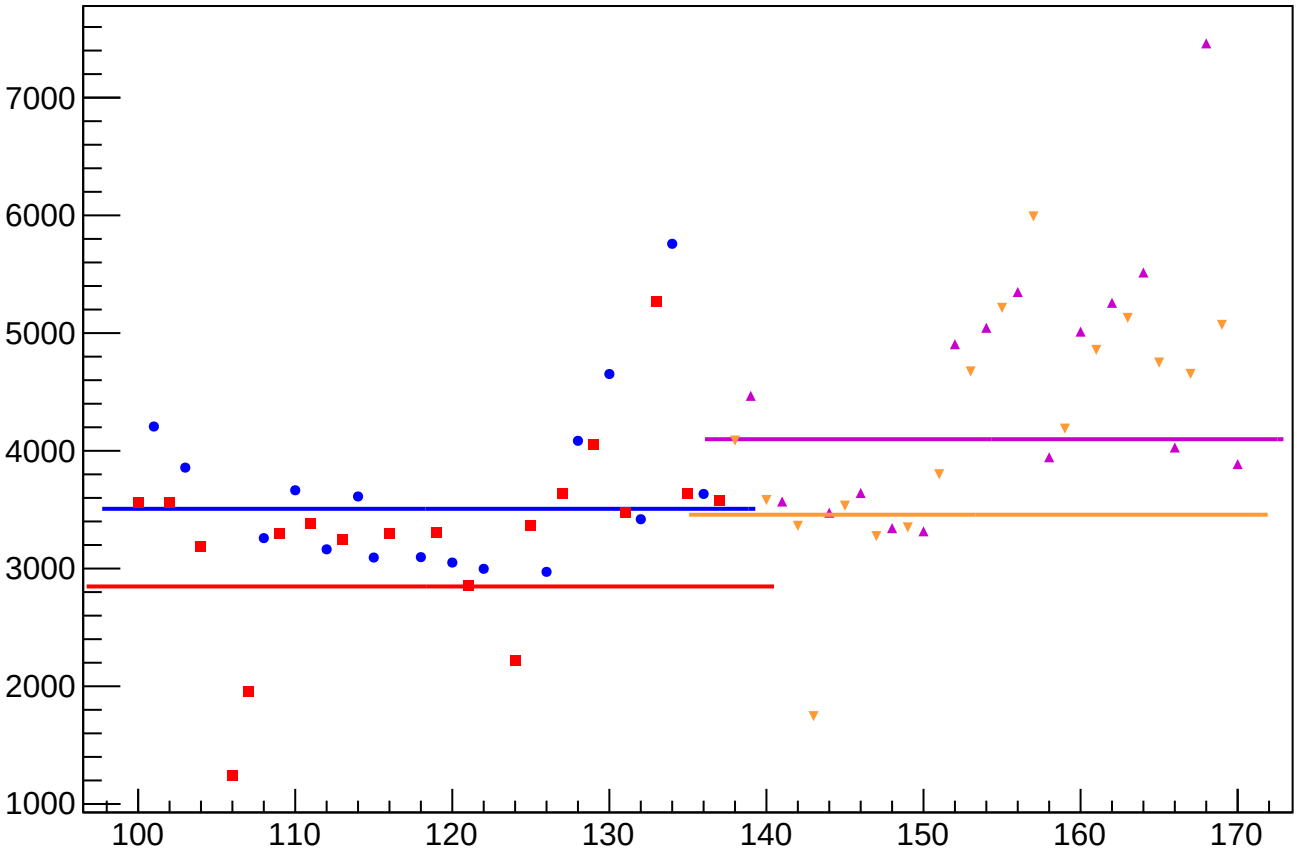
Left: -574.224+/-759.095 χ^2/NDF: 30.9/32

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -98.503+/-870.664 χ^2/NDF:25.4/31

Out: -241.531+/-746.252 χ^2/NDF:38.8/35

All: -180.957+/-566.607 χ^2/NDF: 64.2/67



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3457.353+/-0.712 χ^2/NDF:2918517.7/16

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

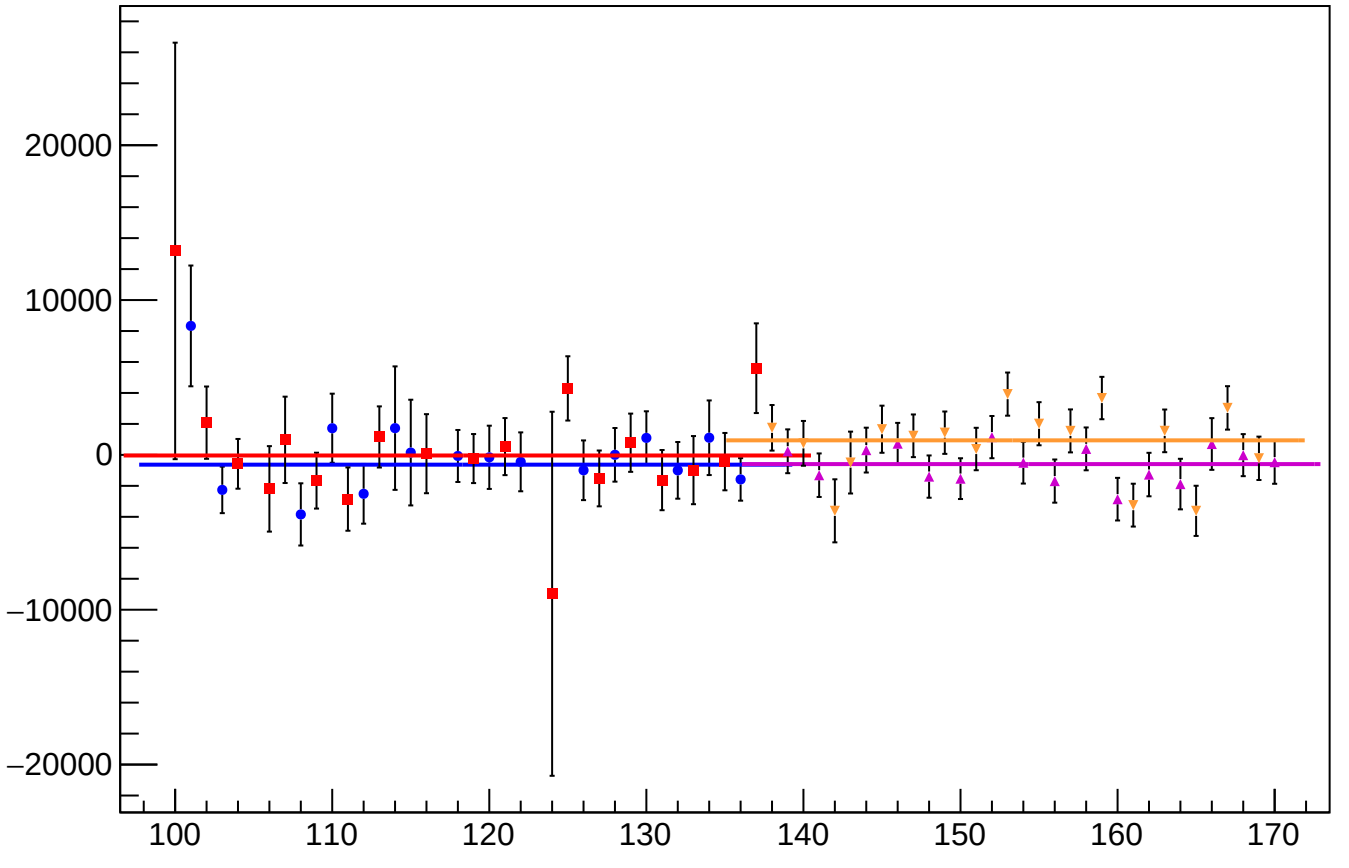
Left: 3734.423+/-0.537 χ^2/NDF: 4355788.3/32

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3182.391+/-0.528 χ^2/NDF:4748263.4/35

All: 3462.357+/-0.401 χ^2/NDF: 7080182.5/67



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.089+/-353.814 χ^2/NDF:35.9/16

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.460+/-351.364 χ^2/NDF:9.9/15

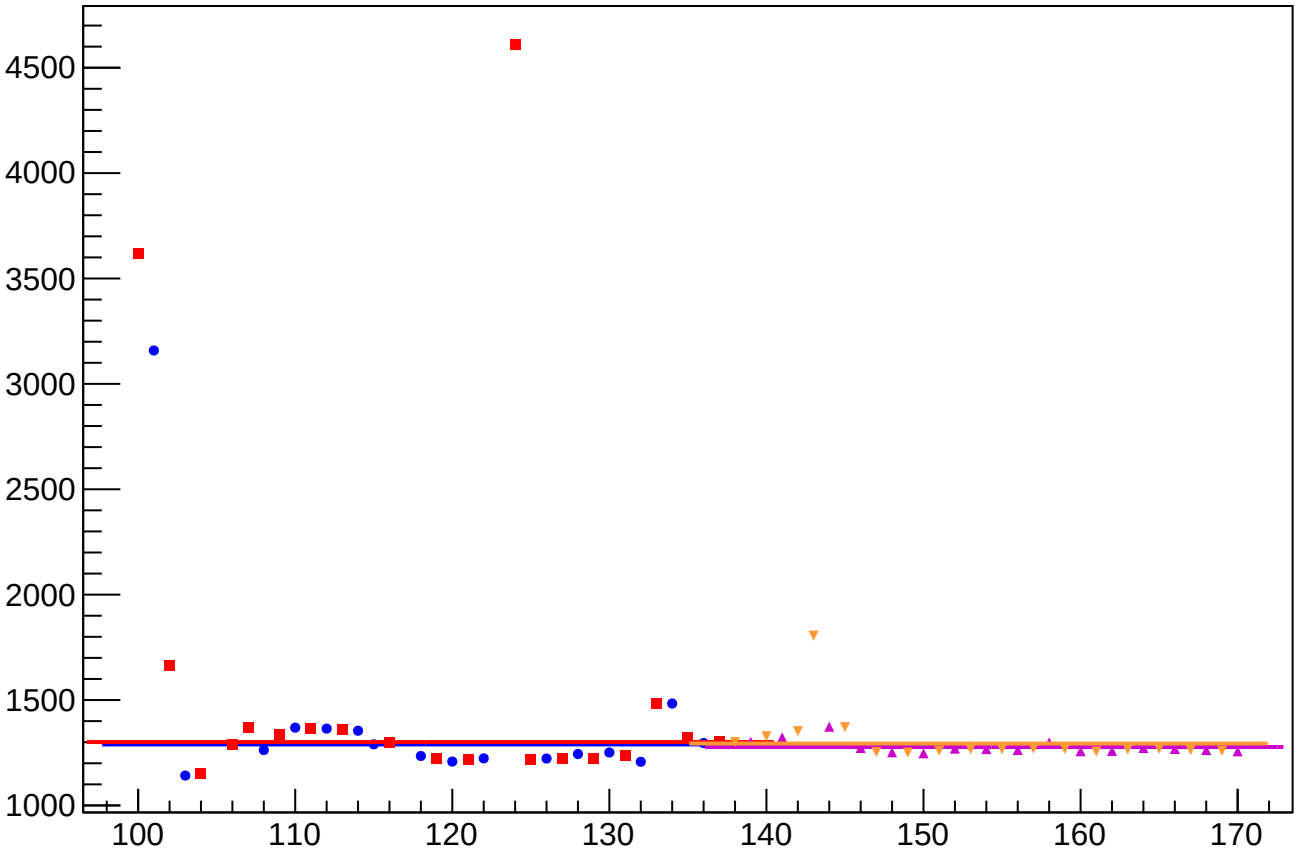
Left: 166.987+/-249.314 χ^2/NDF: 55.3/32

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 602.296+/-286.465 χ^2/NDF:54.9/35

All: -4.898+/-202.139 χ^2/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

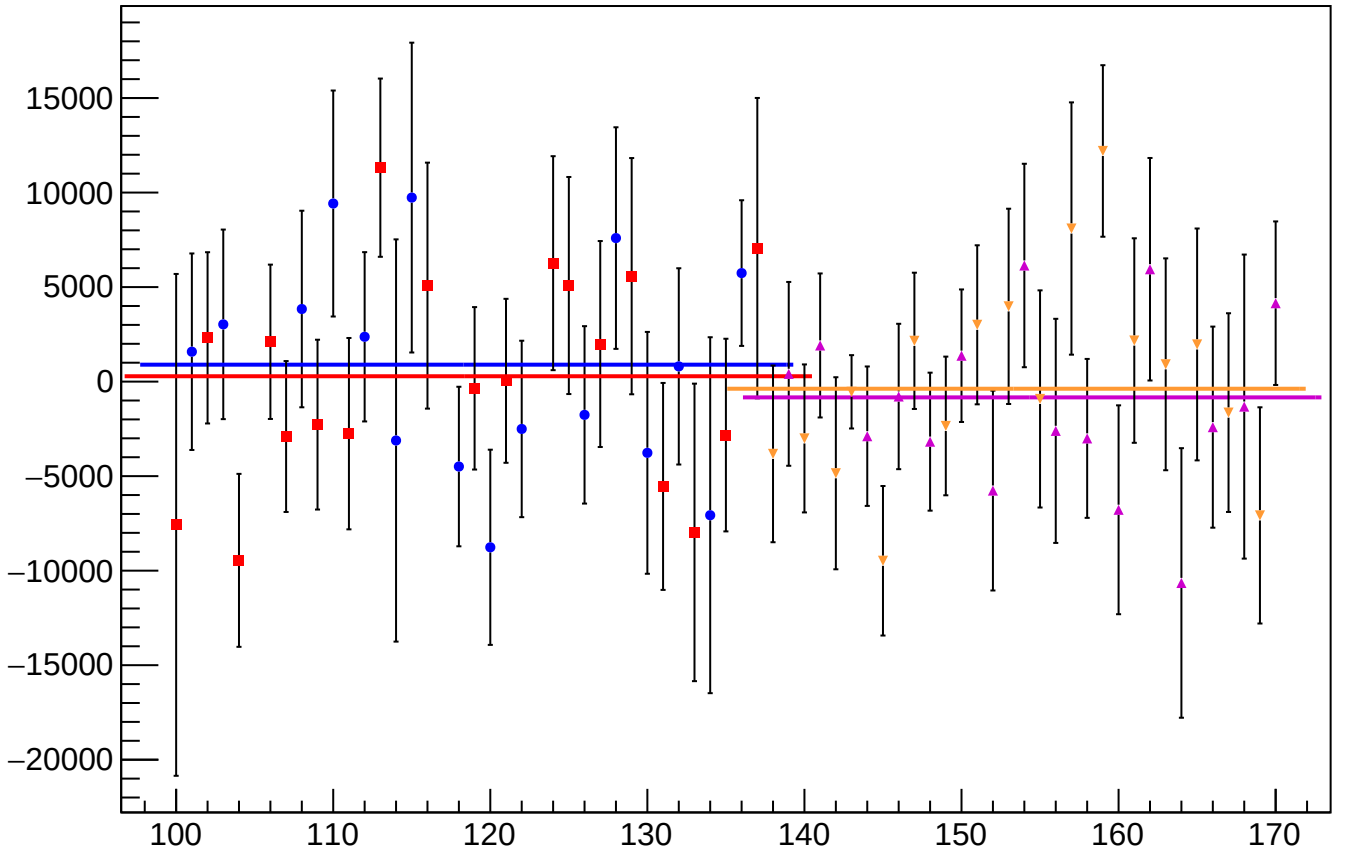
Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -376.389+/-1007.262 χ^2/NDF:20.4/16

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -834.195+/-1154.849 χ^2/NDF:10.4/15

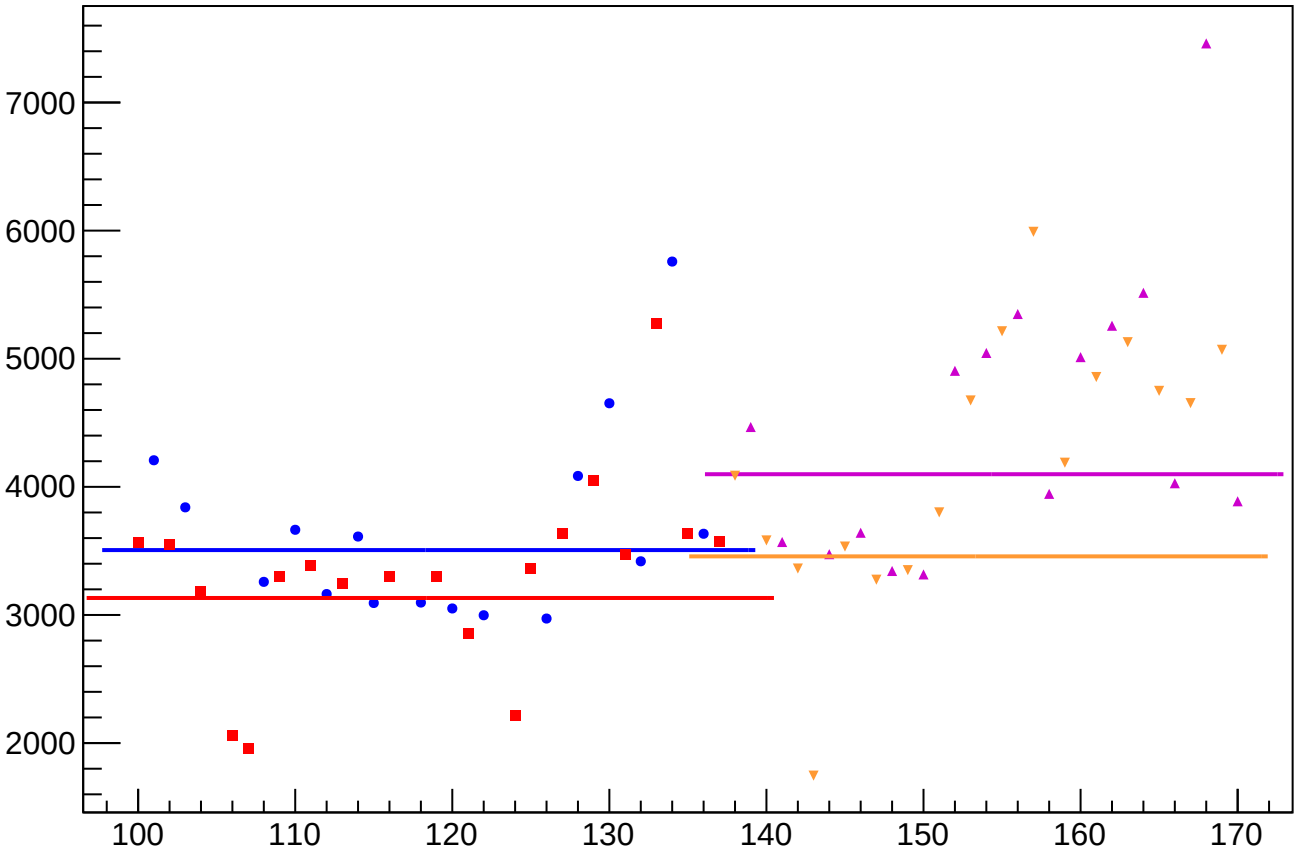
Left: -574.187+/-759.094 χ^2/NDF: 30.9/32

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -98.905+/-766.971 χ^2/NDF:39.2/35

All: -93.761+/-575.480 χ^2/NDF: 64.6/67



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

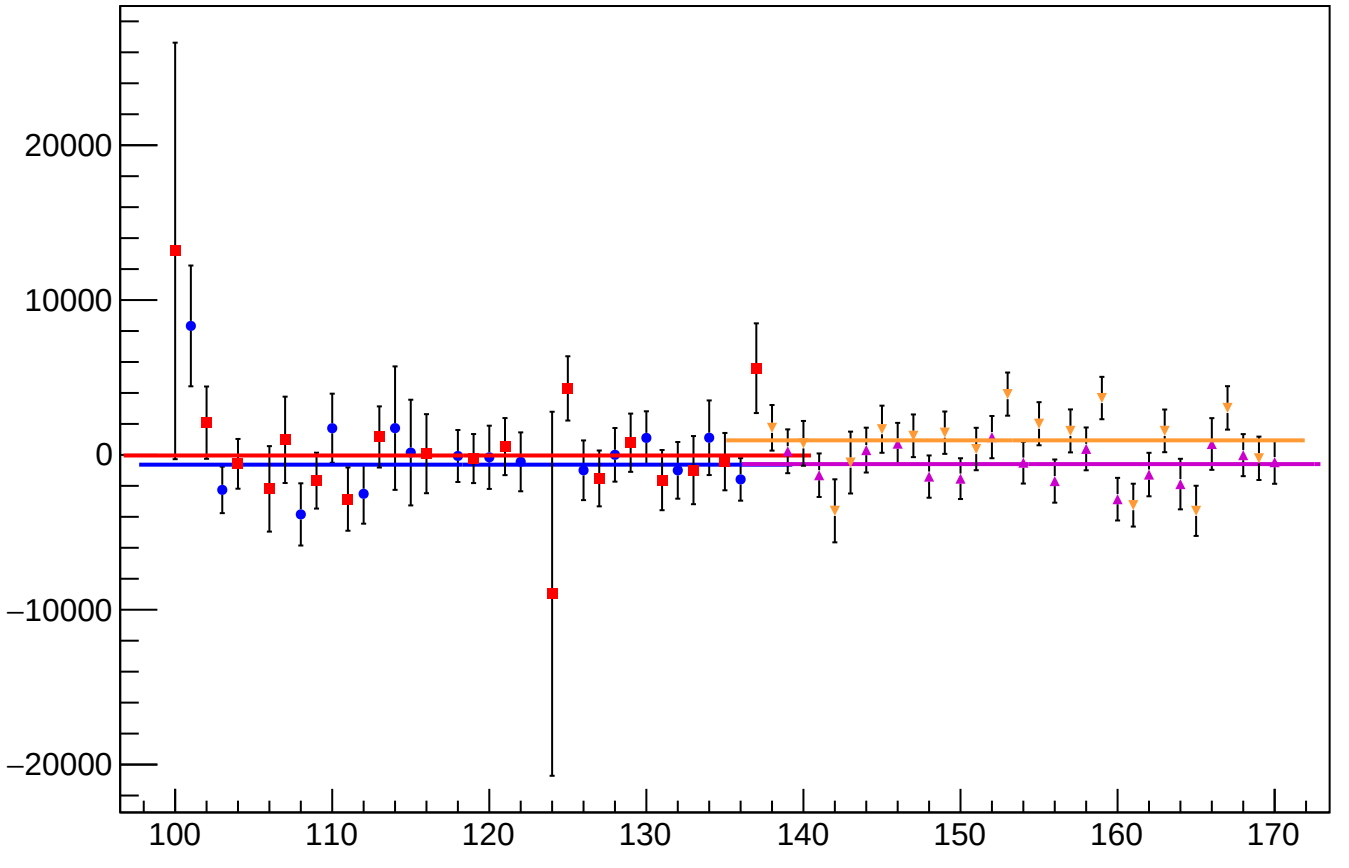
Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

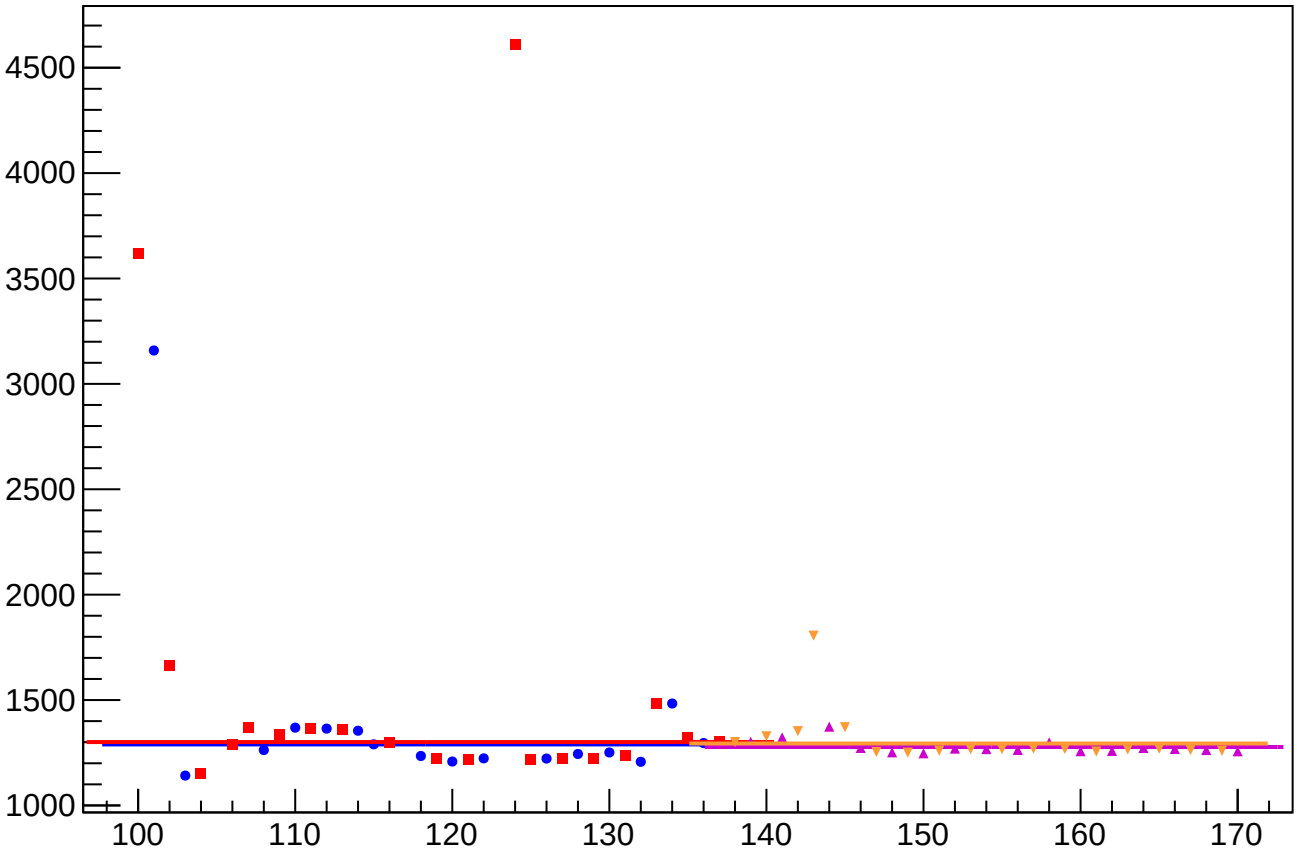
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 939.089+/-353.814 χ²/NDF:35.9/16
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -594.460+/-351.364 χ²/NDF:9.9/15
Left: 166.987+/-249.314 χ²/NDF: 55.3/32
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -607.059+/-285.275 χ²/NDF:23.8/31
Out: 602.296+/-286.465 χ²/NDF:54.9/35
All: -4.898+/-202.139 χ²/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

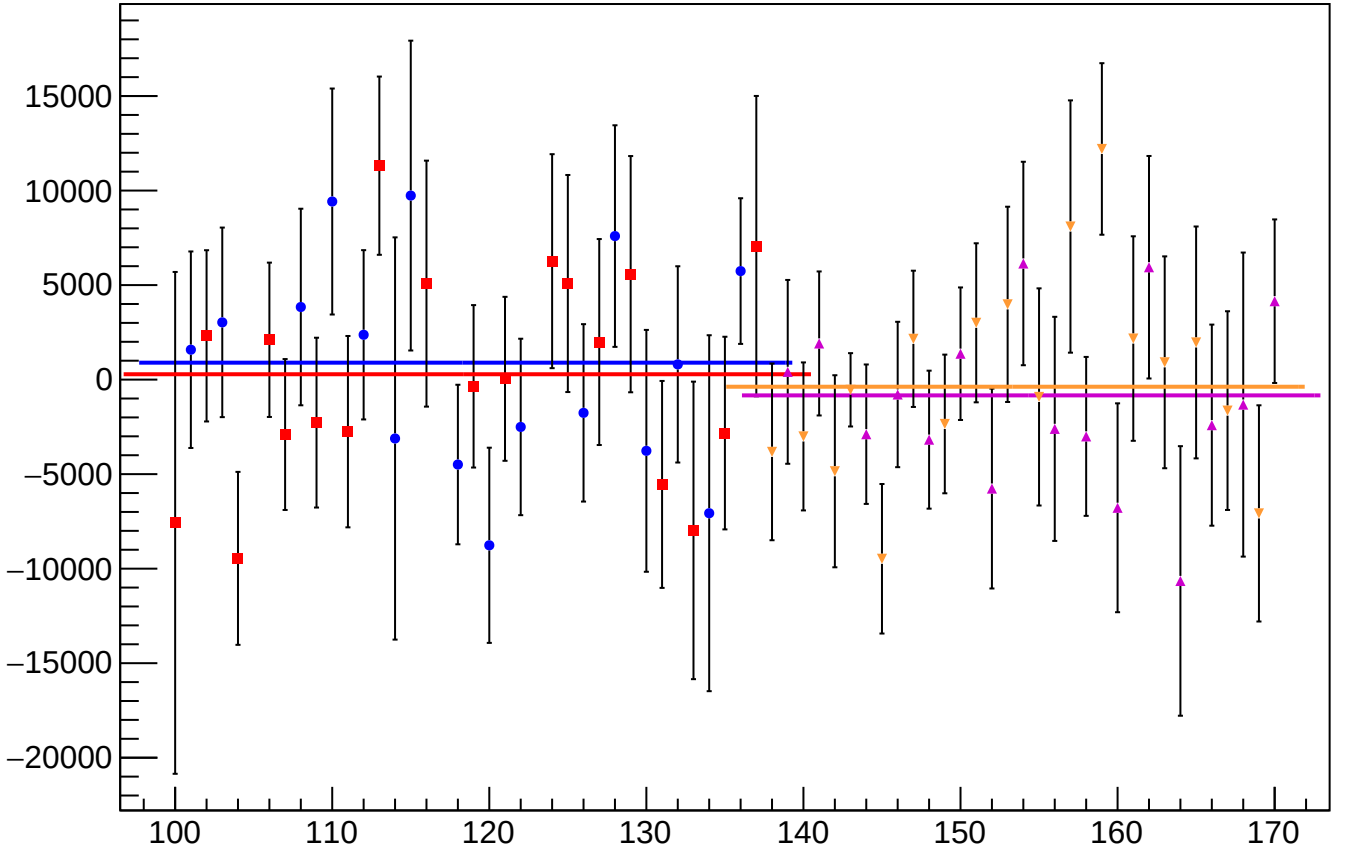
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67

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: -376.389+/-1007.262 χ^2/NDF:20.4/16

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -834.195+/-1154.849 χ^2/NDF:10.4/15

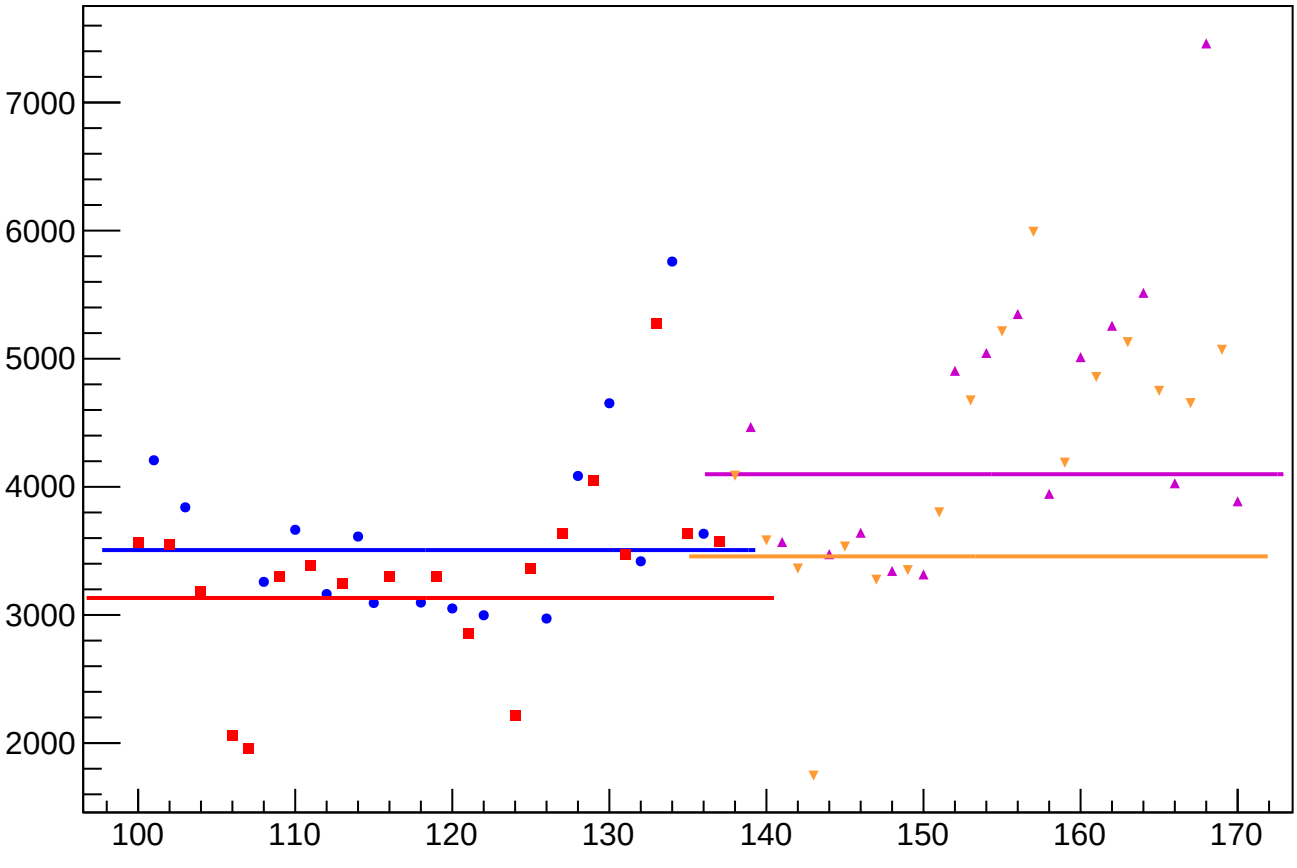
Left: -574.187+/-759.094 χ^2/NDF: 30.9/32

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -98.905+/-766.971 χ^2/NDF:39.2/35

All: -93.761+/-575.480 χ^2/NDF: 64.6/67



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

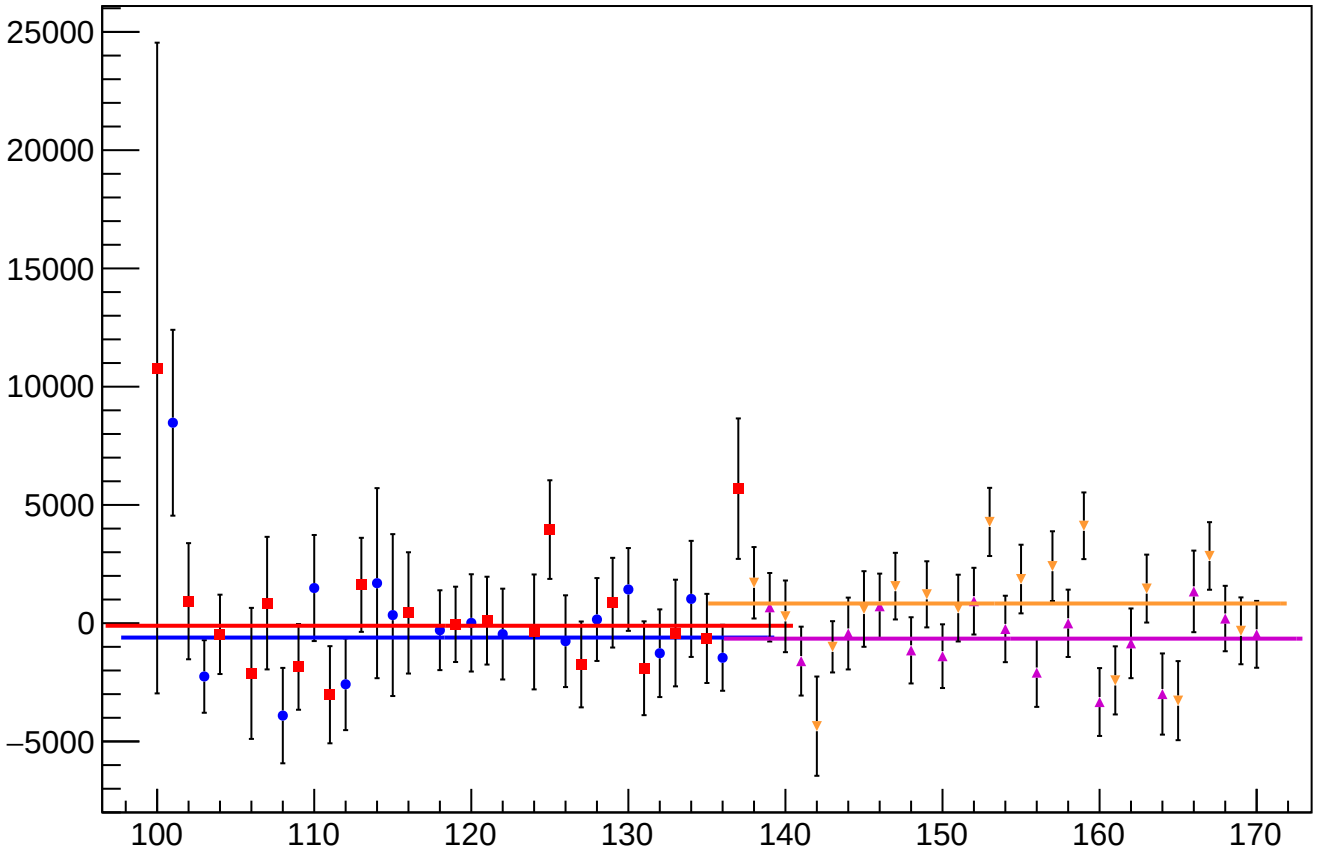
Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.149+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -653.590+/-362.908 χ^2/NDF:12.3/15

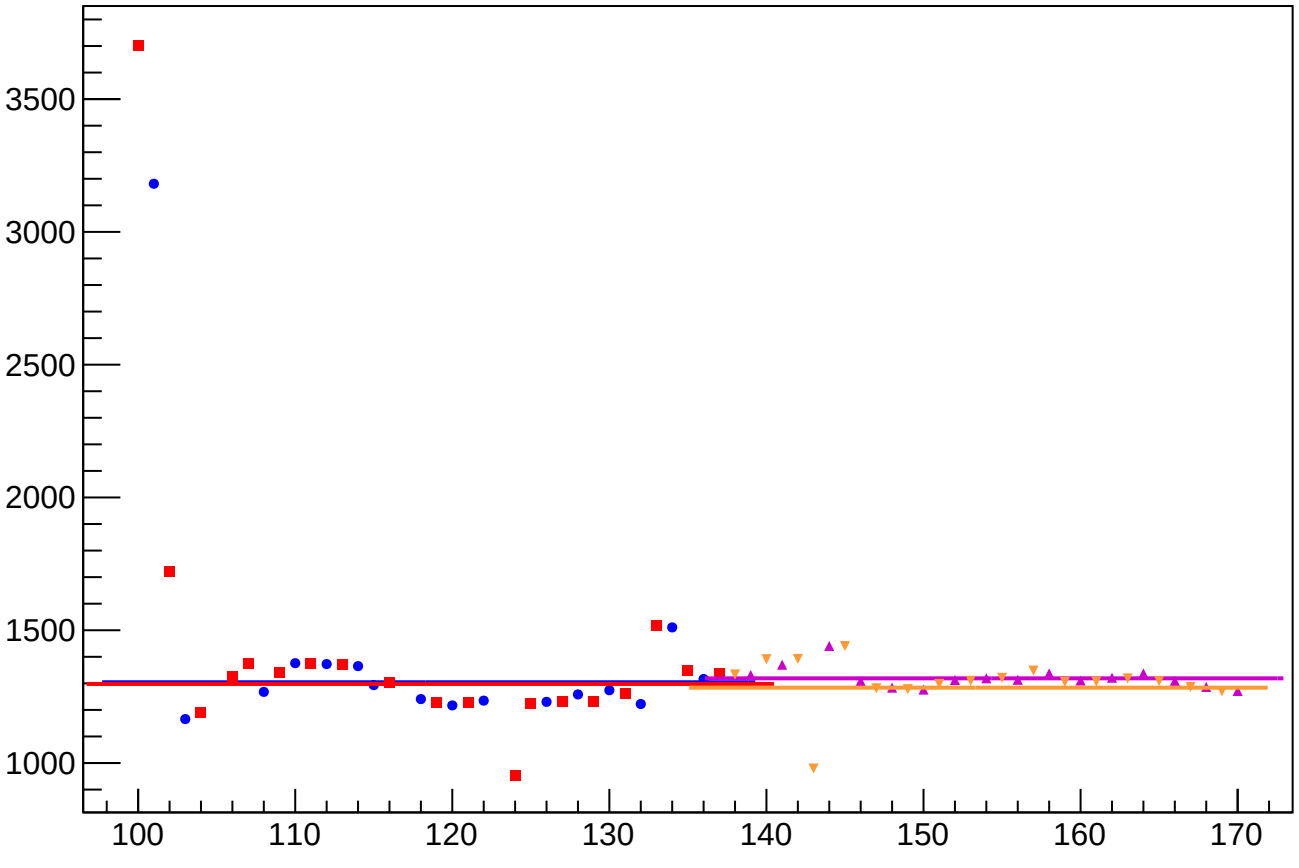
Left: 113.109+/-252.465 χ^2/NDF: 57.6/32

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 508.725+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.747+/-0.249 χ^2/NDF:203238.3/16

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

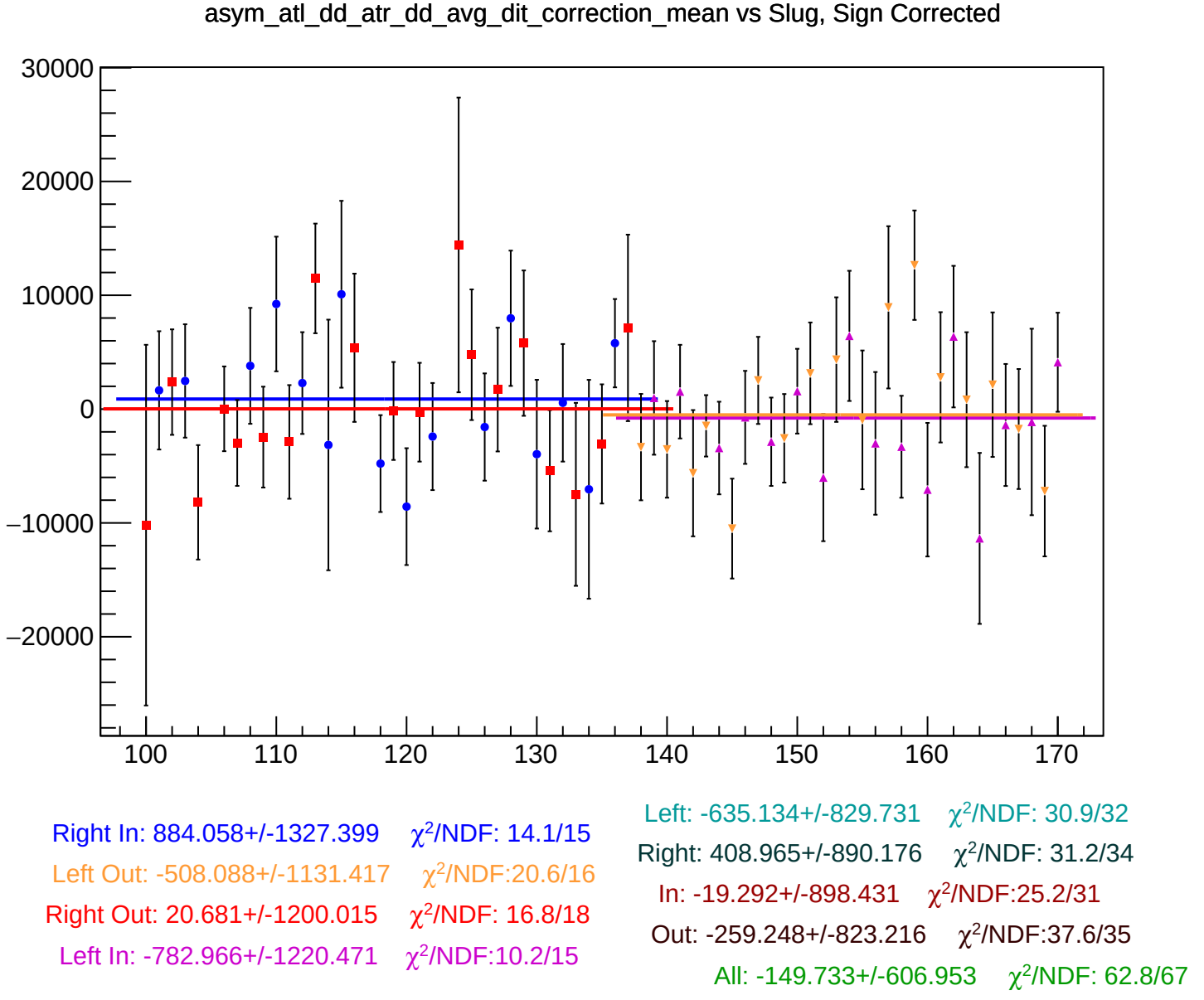
Left: 1300.763+/-0.179 χ^2/NDF: 235957.0/32

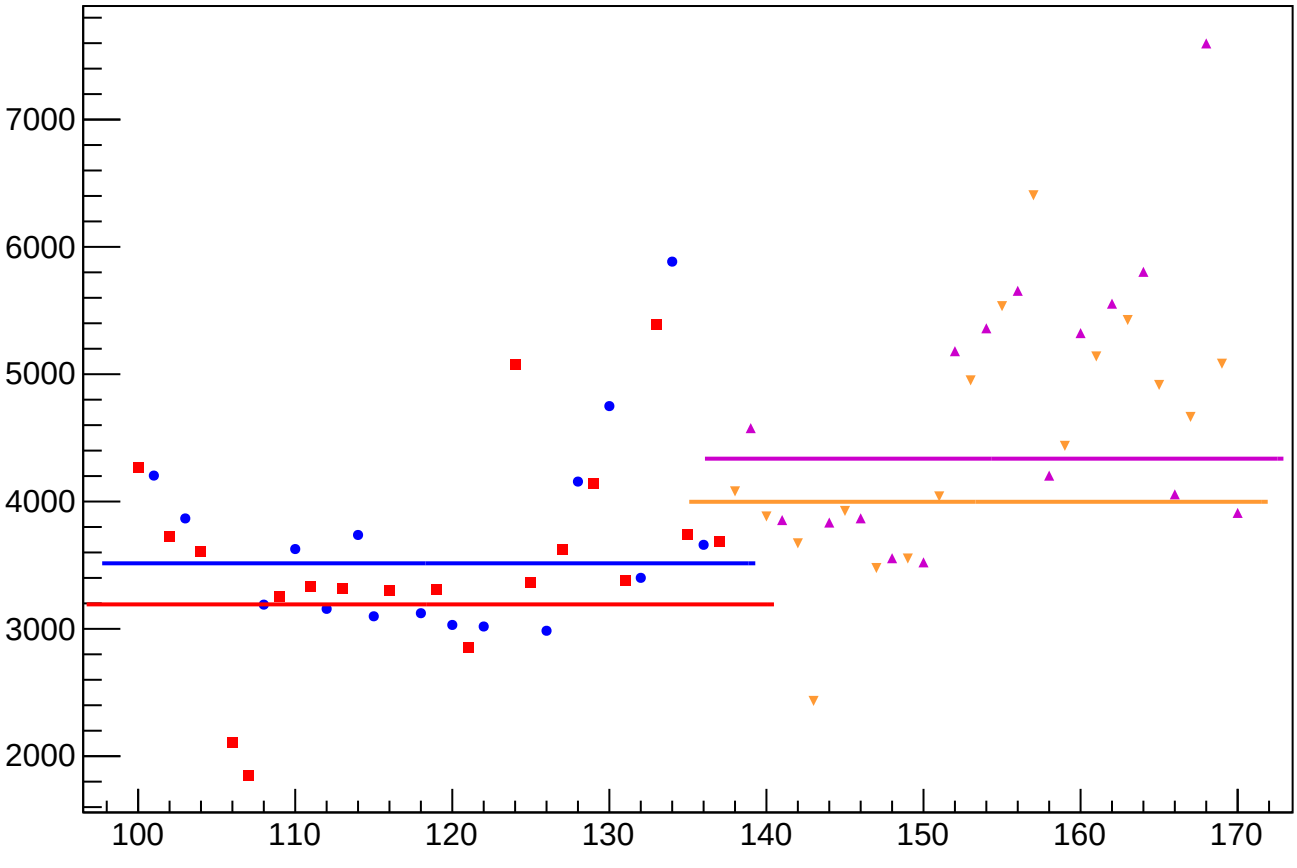
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1288.581+/-0.201 χ^2/NDF:417435.1/35

All: 1300.807+/-0.144 χ^2/NDF: 959809.3/67


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -508.088+/-1131.417 χ²/NDF:20.6/16
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -782.966+/-1220.471 χ²/NDF:10.2/15
Left: -635.134+/-829.731 χ²/NDF: 30.9/32
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -19.292+/-898.431 χ²/NDF:25.2/31
Out: -259.248+/-823.216 χ²/NDF:37.6/35
All: -149.733+/-606.953 χ²/NDF: 62.8/67



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3997.981+/-0.800 χ^2/NDF:1518888.0/16

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

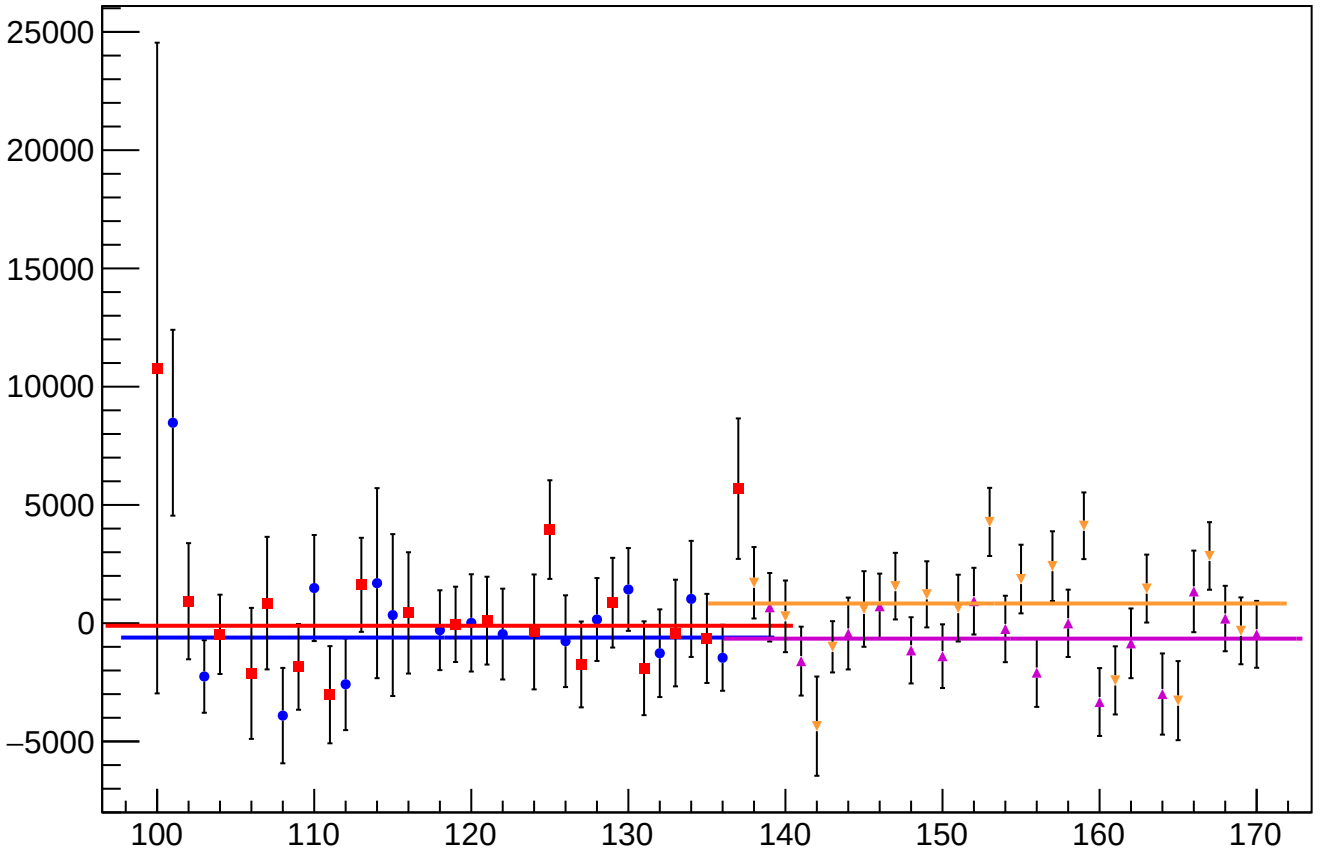
Left: 4154.528+/-0.587 χ^2/NDF: 2618894.1/32

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3960.152+/-0.635 χ^2/NDF:1807793.2/31

Out: 3618.780+/-0.582 χ^2/NDF:2768768.6/35

All: 3774.580+/-0.429 χ^2/NDF: 4733525.4/67



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.154+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -653.591+/-362.908 χ^2/NDF:12.3/15

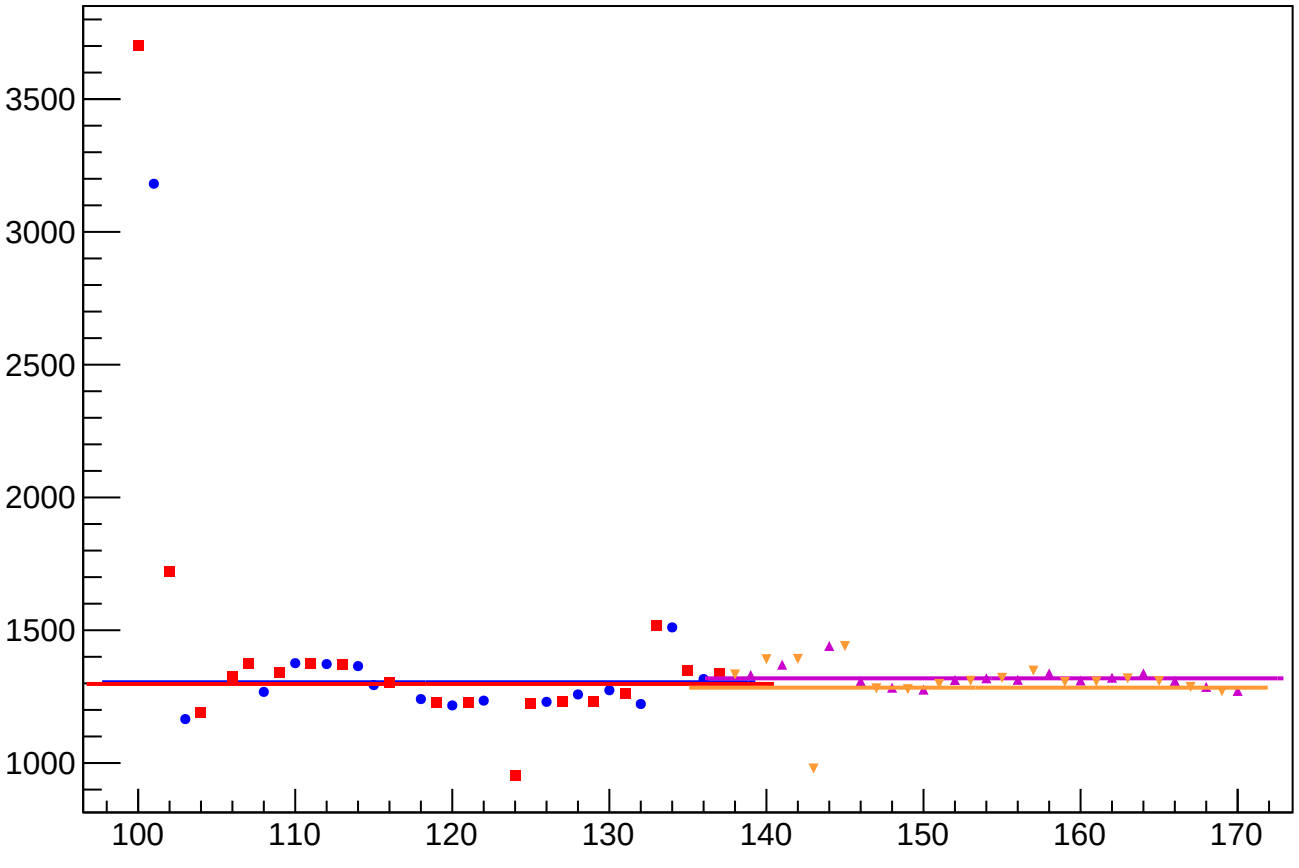
Left: 113.111+/-252.466 χ^2/NDF: 57.6/32

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 508.726+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.748+/-0.249 χ^2/NDF:203239.1/16

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1318.908+/-0.257 χ^2/NDF:23031.2/15

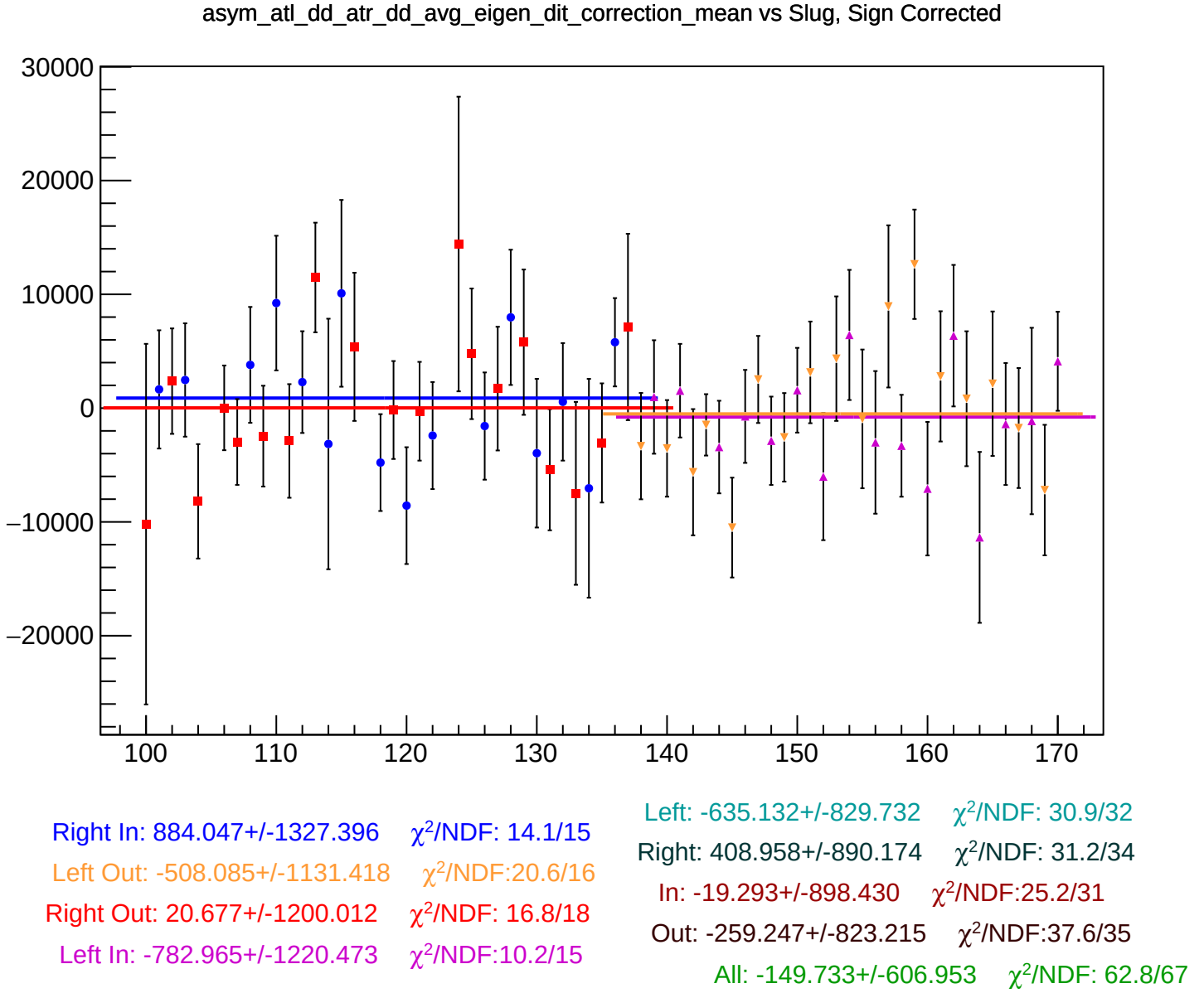
Left: 1300.764+/-0.179 χ^2/NDF: 235958.0/32

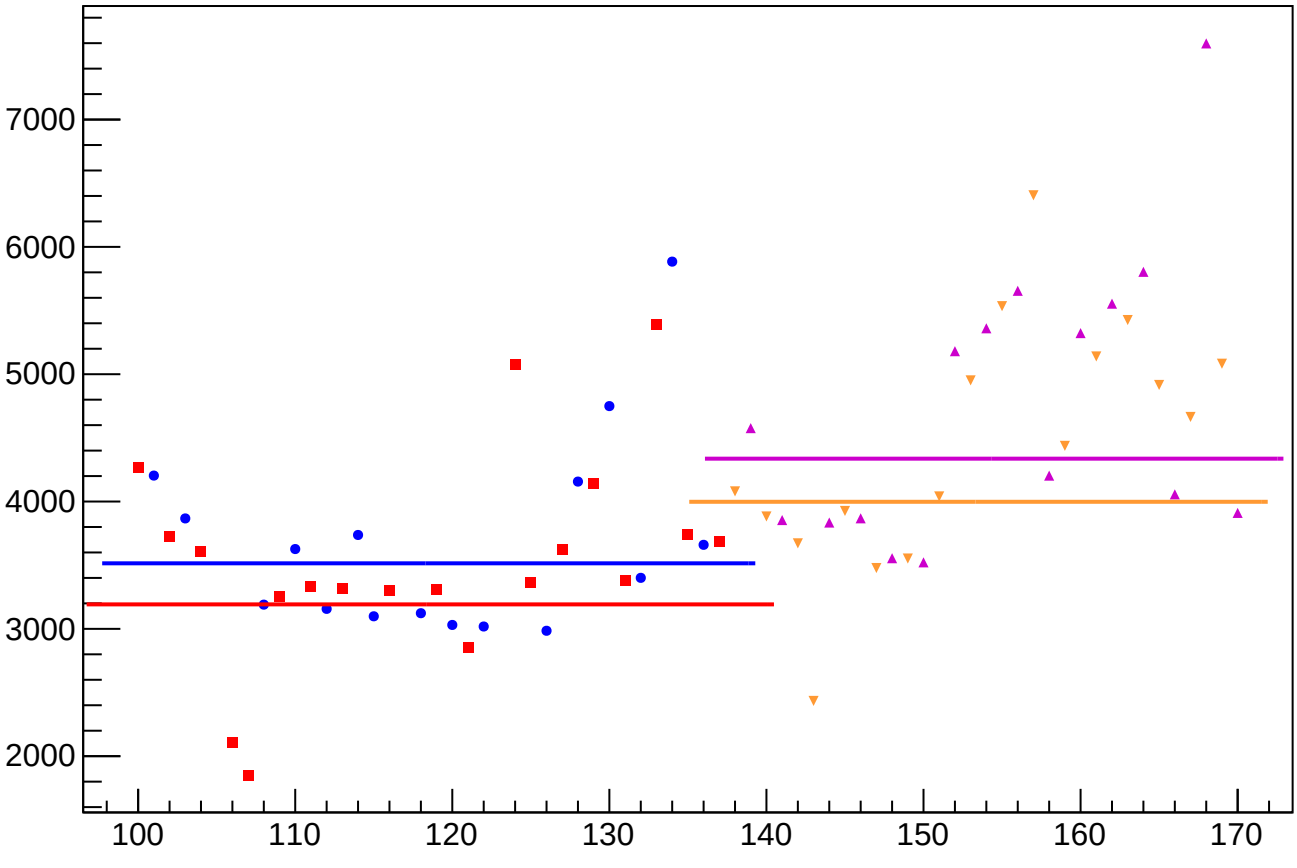
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1313.721+/-0.207 χ^2/NDF:534787.1/31

Out: 1288.582+/-0.201 χ^2/NDF:417435.7/35

All: 1300.808+/-0.144 χ^2/NDF: 959810.5/67


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -508.085+/-1131.418 χ²/NDF:20.6/16
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -782.965+/-1220.473 χ²/NDF:10.2/15
Left: -635.132+/-829.732 χ²/NDF: 30.9/32
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -19.293+/-898.430 χ²/NDF:25.2/31
Out: -259.247+/-823.215 χ²/NDF:37.6/35
All: -149.733+/-606.953 χ²/NDF: 62.8/67



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3997.986+/-0.800 χ^2/NDF:1518889.2/16

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

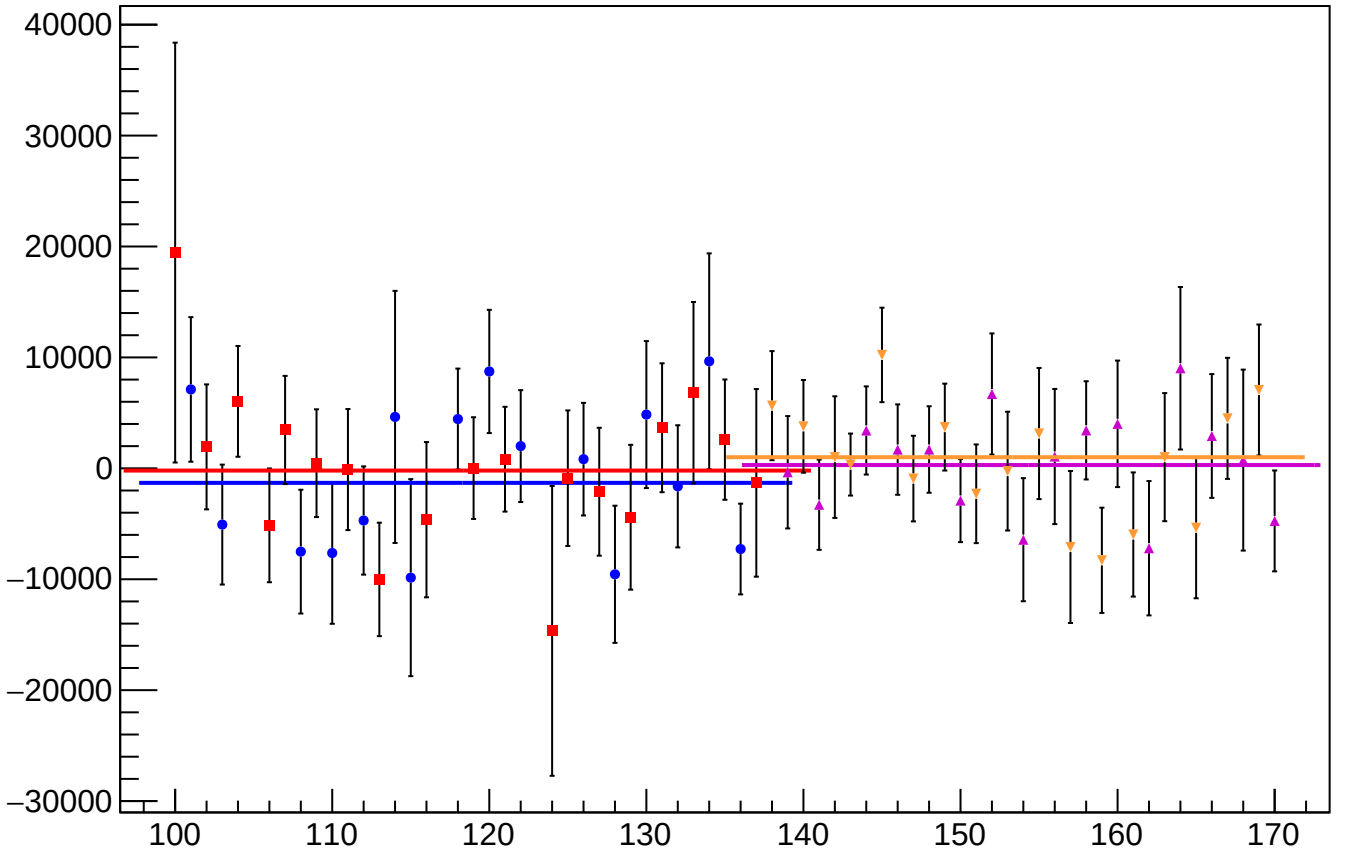
Left: 4154.534+/-0.587 χ^2/NDF: 2618897.4/32

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3618.778+/-0.582 χ^2/NDF:2768788.6/35

All: 3774.578+/-0.429 χ^2/NDF: 4733567.2/67



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1002.840+/-1135.187 χ^2/NDF:16.8/16

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 295.262+/-1216.245 χ^2/NDF:10.6/15

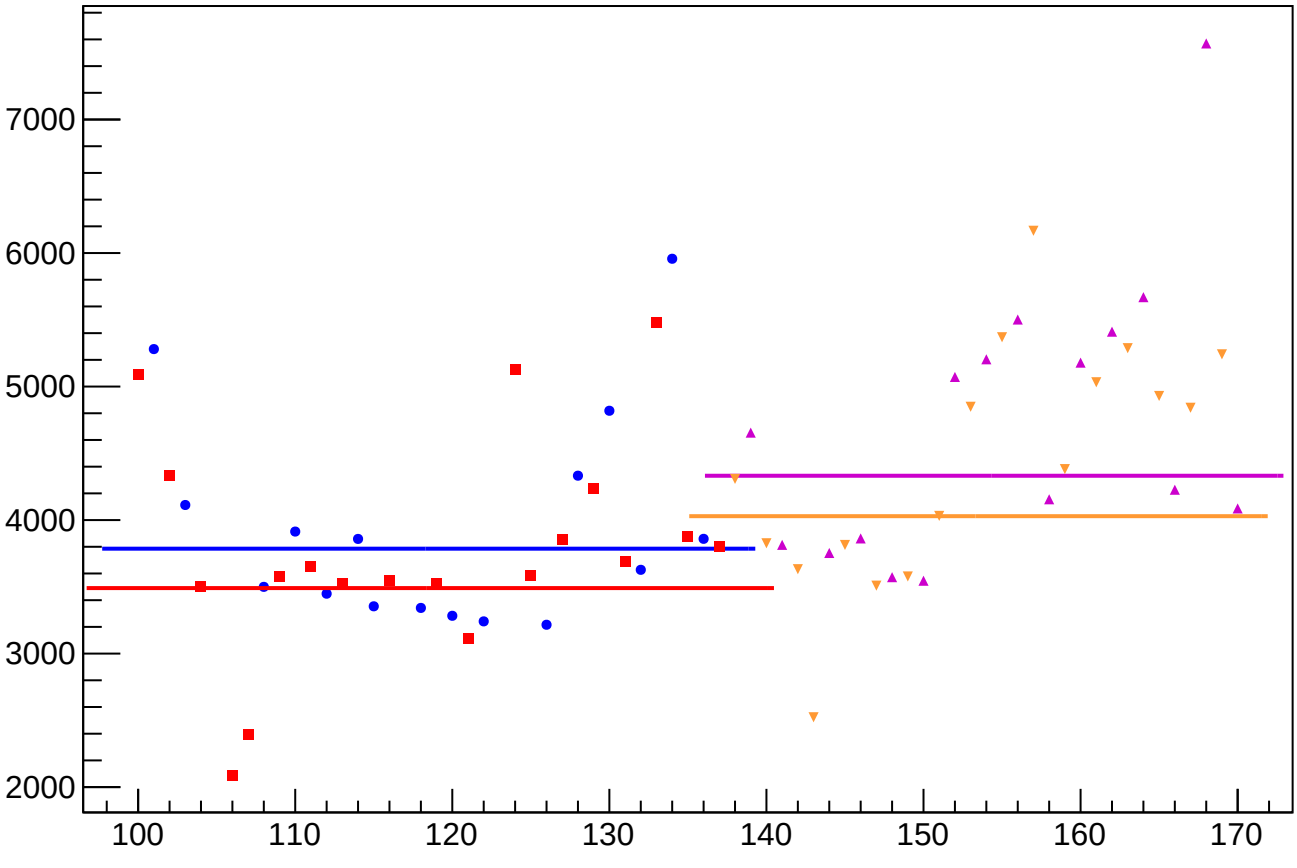
Left: 673.414+/-829.876 χ^2/NDF: 27.5/32

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 497.883+/-865.092 χ^2/NDF:28.9/35

All: 90.407+/-632.438 χ^2/NDF: 58.3/67



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4029.140+/-0.803 χ^2/NDF:1353686.2/16

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

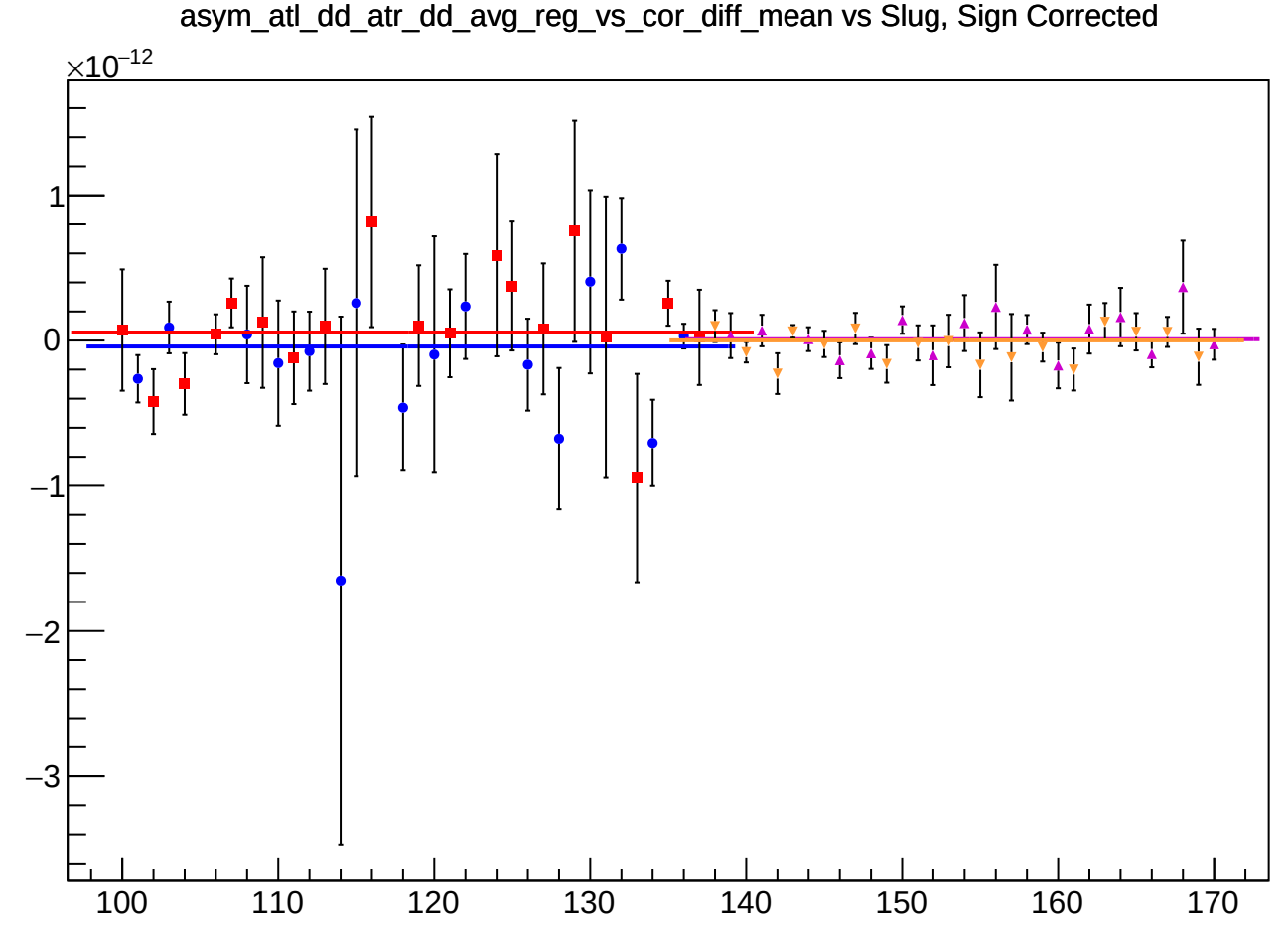
Left: 4170.142+/-0.587 χ^2/NDF: 2352223.3/32

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3799.756+/-0.608 χ^2/NDF:2132120.1/35

All: 3940.066+/-0.446 χ^2/NDF: 3731518.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/15

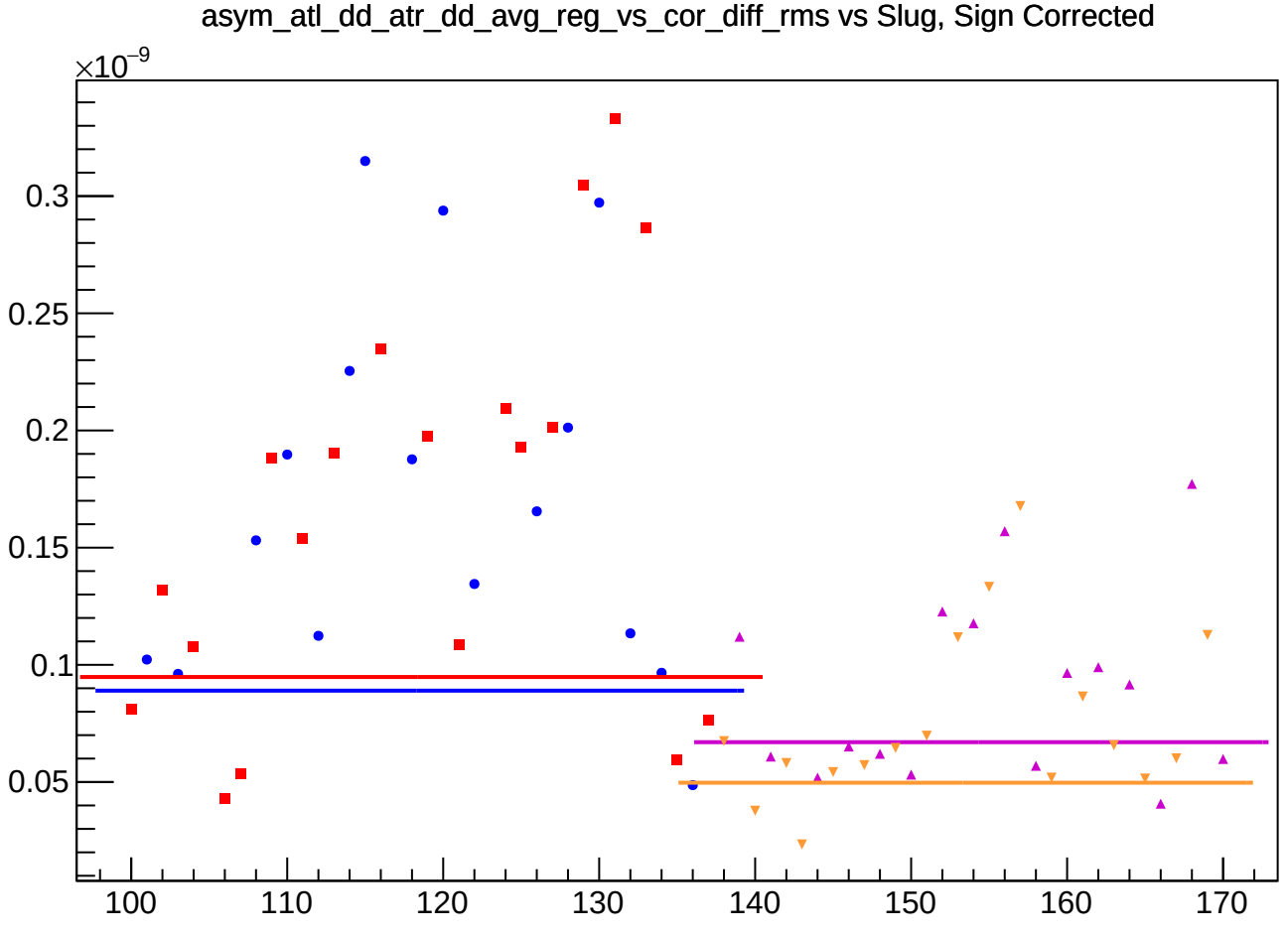
Left: 0.000+/-0.000 χ^2/NDF: 24.6/32

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/31

Out: 0.000+/-0.000 χ^2/NDF:30.2/35

All: 0.000+/-0.000 χ^2/NDF: 58.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2157329.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

Left: 0.000+/-0.000 χ^2/NDF: 3908793.4/32

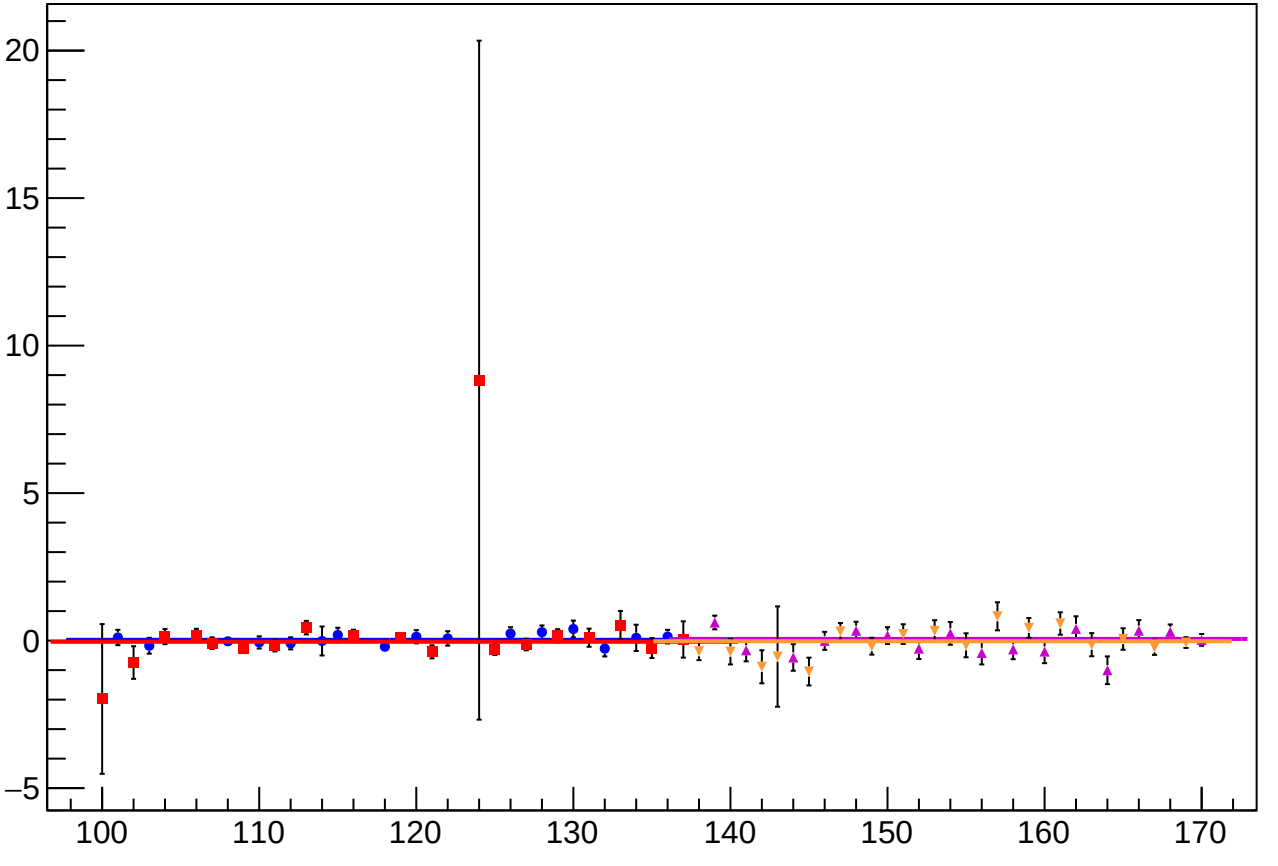
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052028.5/31

Out: 0.000+/-0.000 χ^2/NDF:4757392.1/35

All: 0.000+/-0.000 χ^2/NDF: 8218768.5/67

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

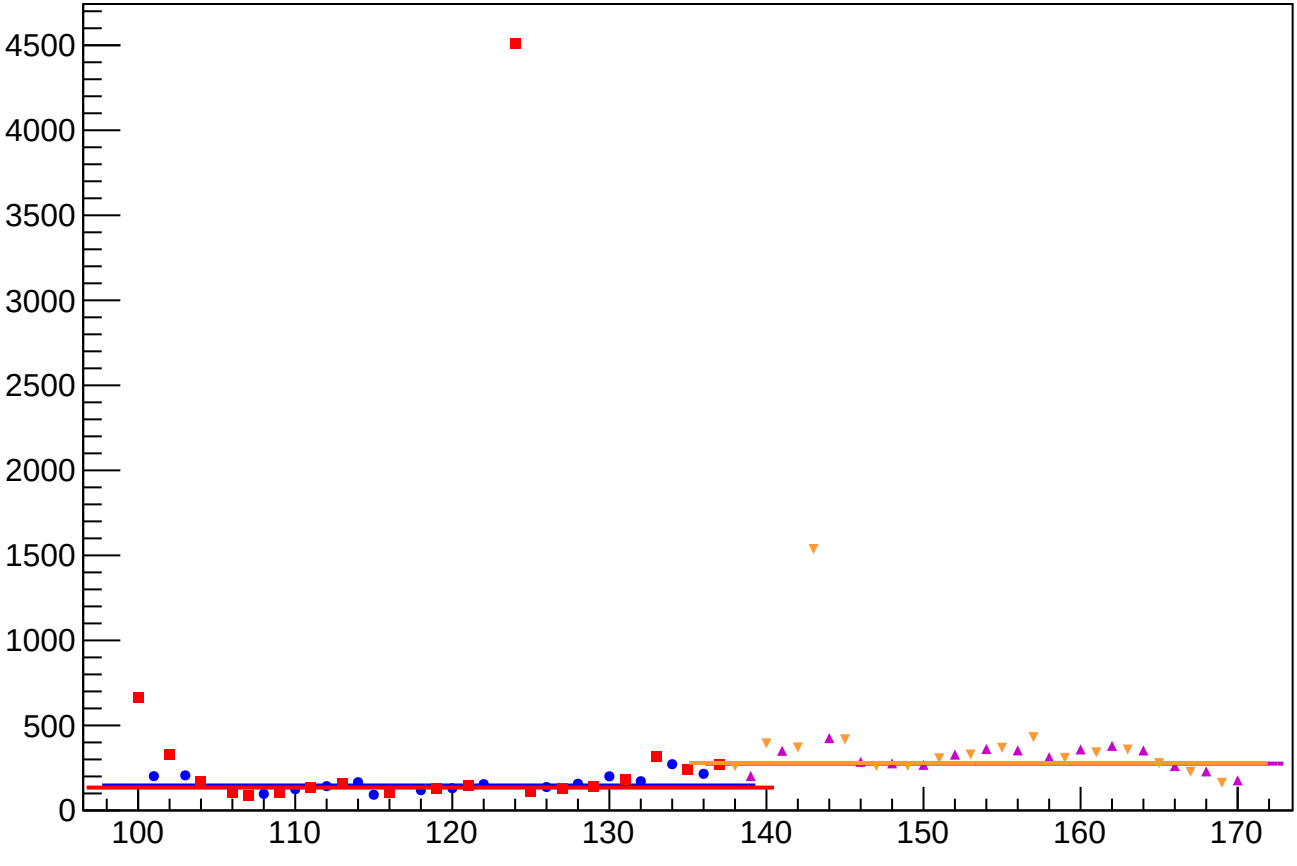
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

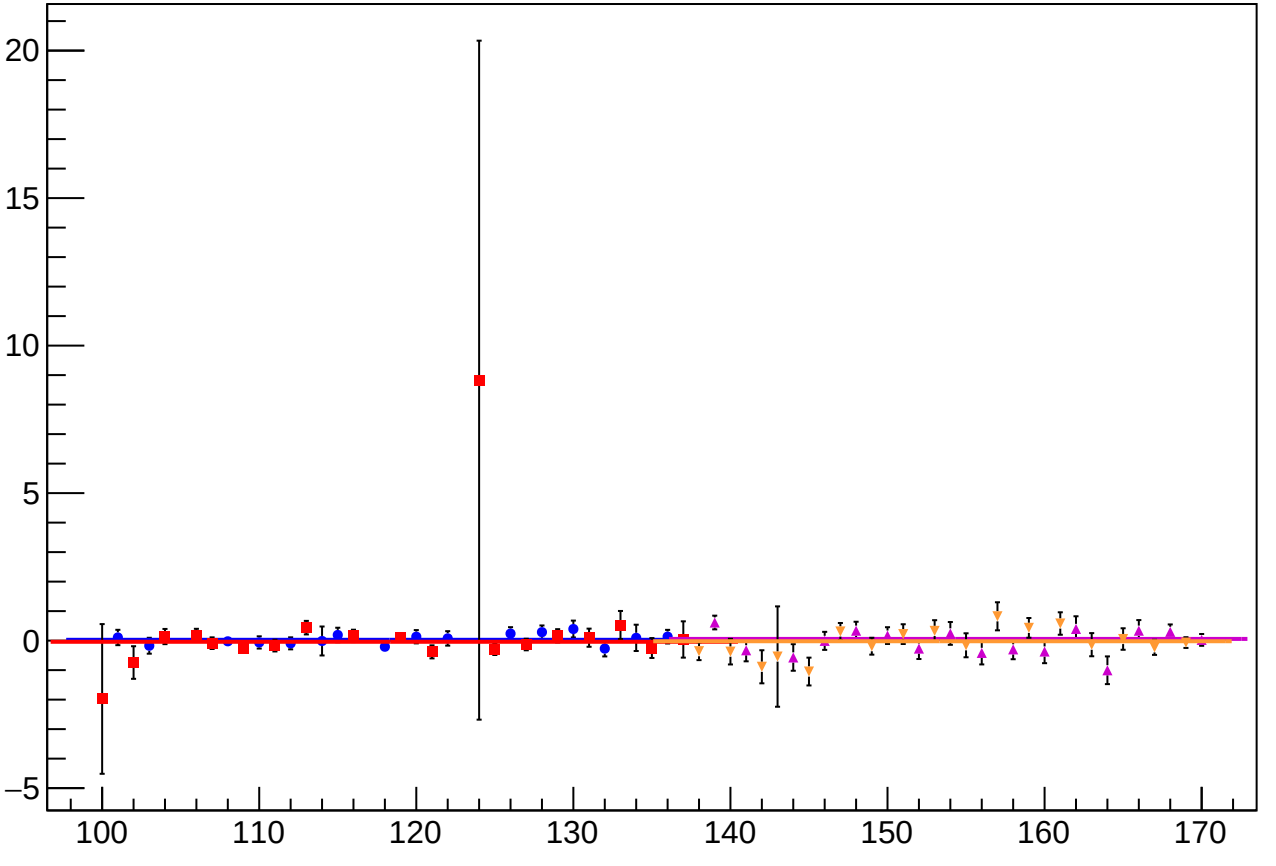
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

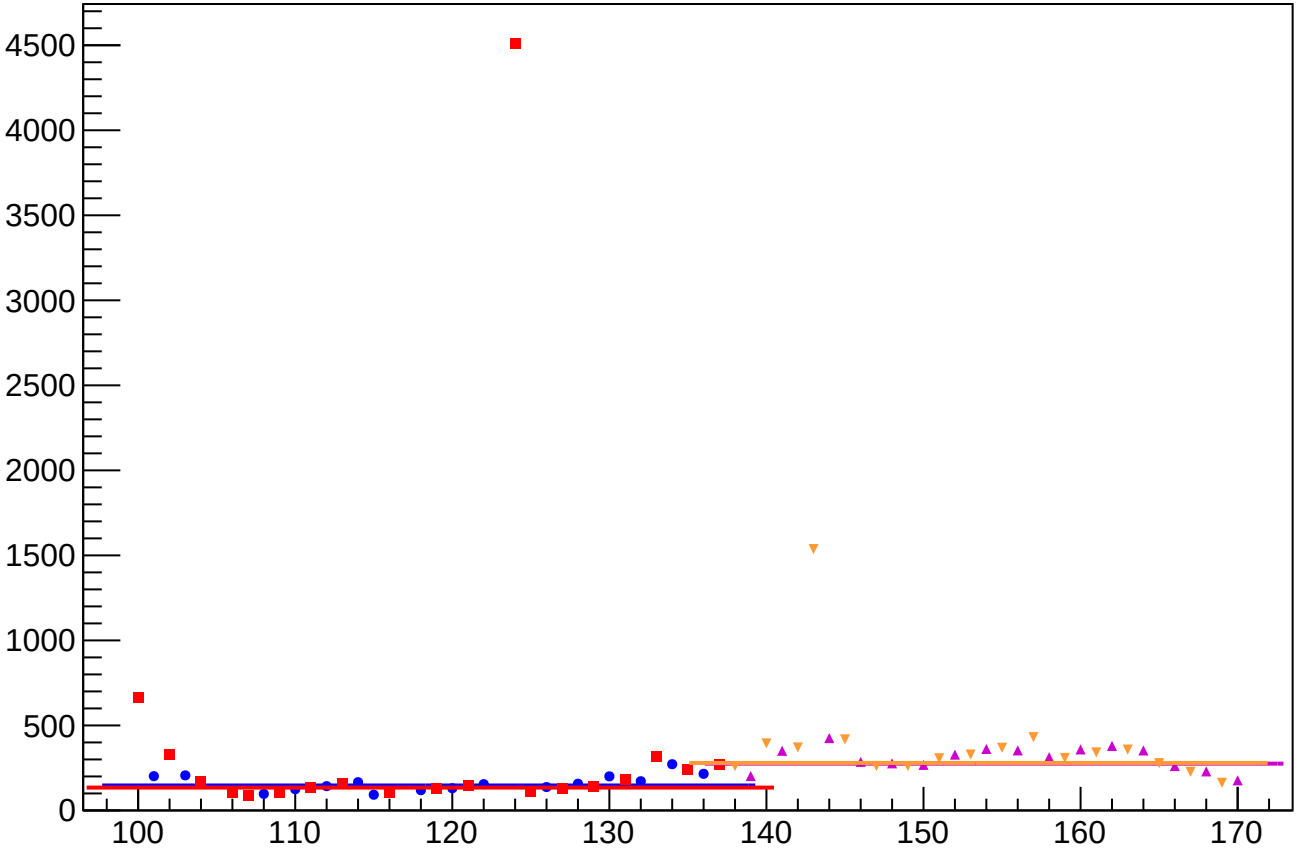
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

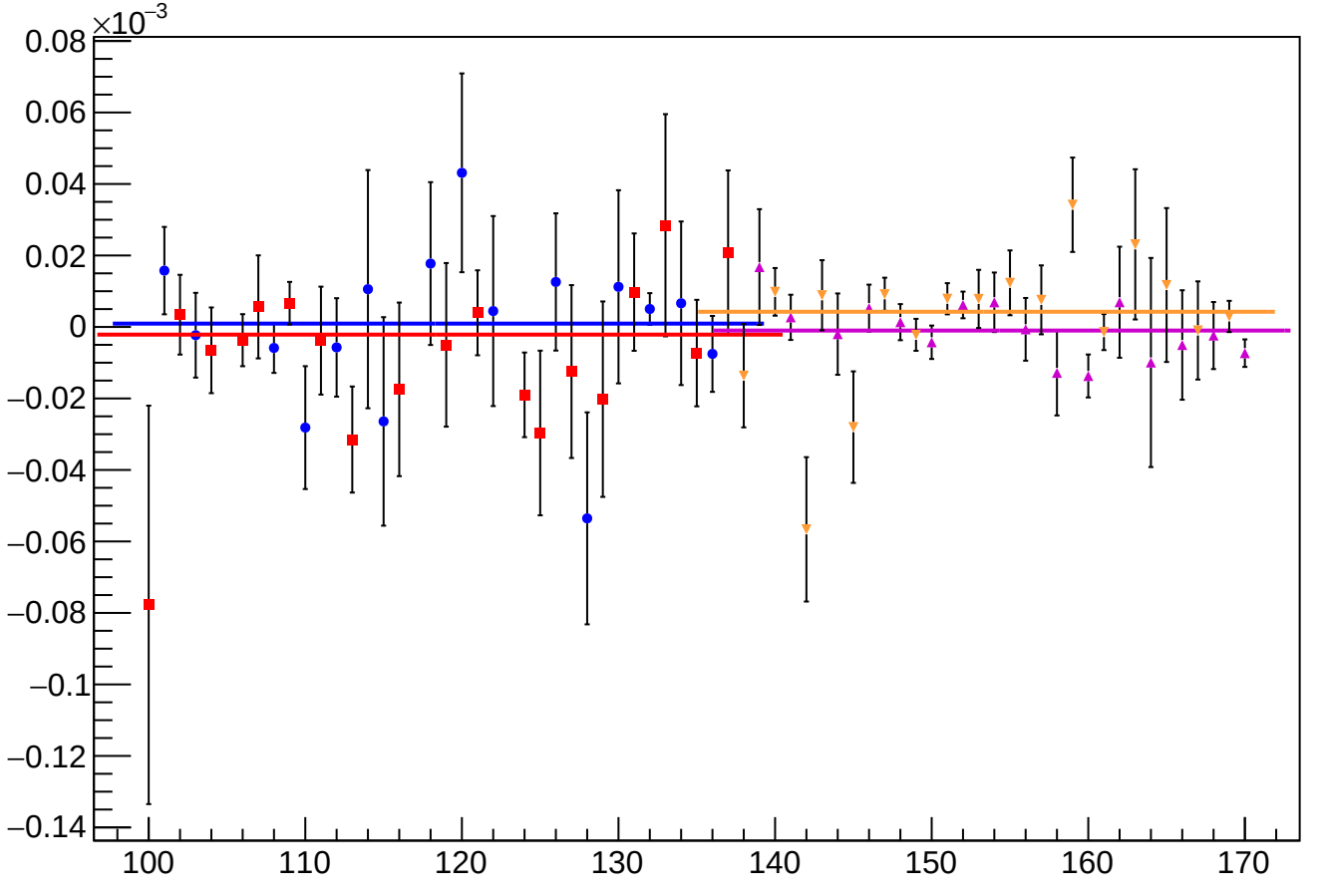
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67

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:28.4/16

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

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

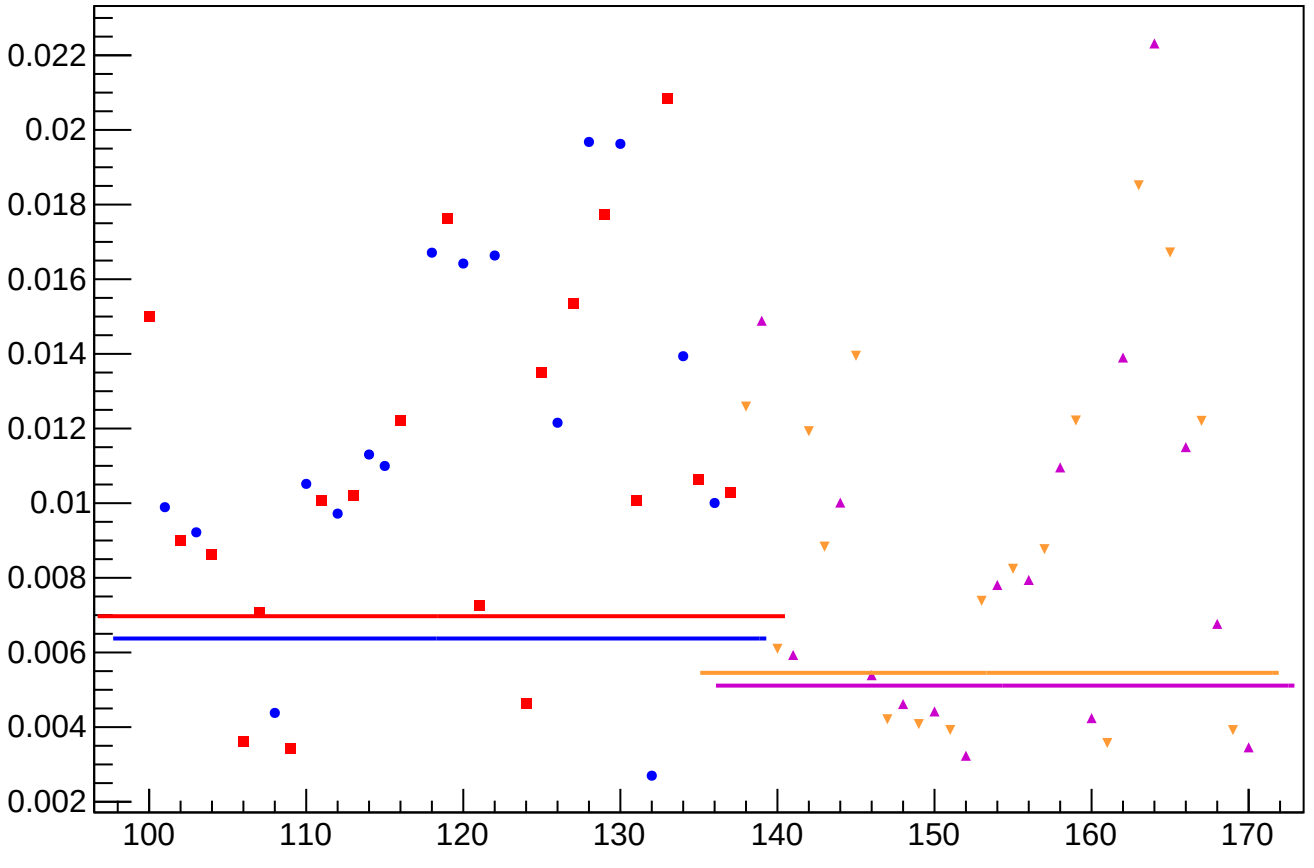
Left: 0.000+/-0.000 χ^2/NDF: 49.7/32

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.6/31

Out: 0.000+/-0.000 χ^2/NDF:47.9/35

All: 0.000+/-0.000 χ^2/NDF: 81.8/67



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5512404.9/16

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10314582.4/32

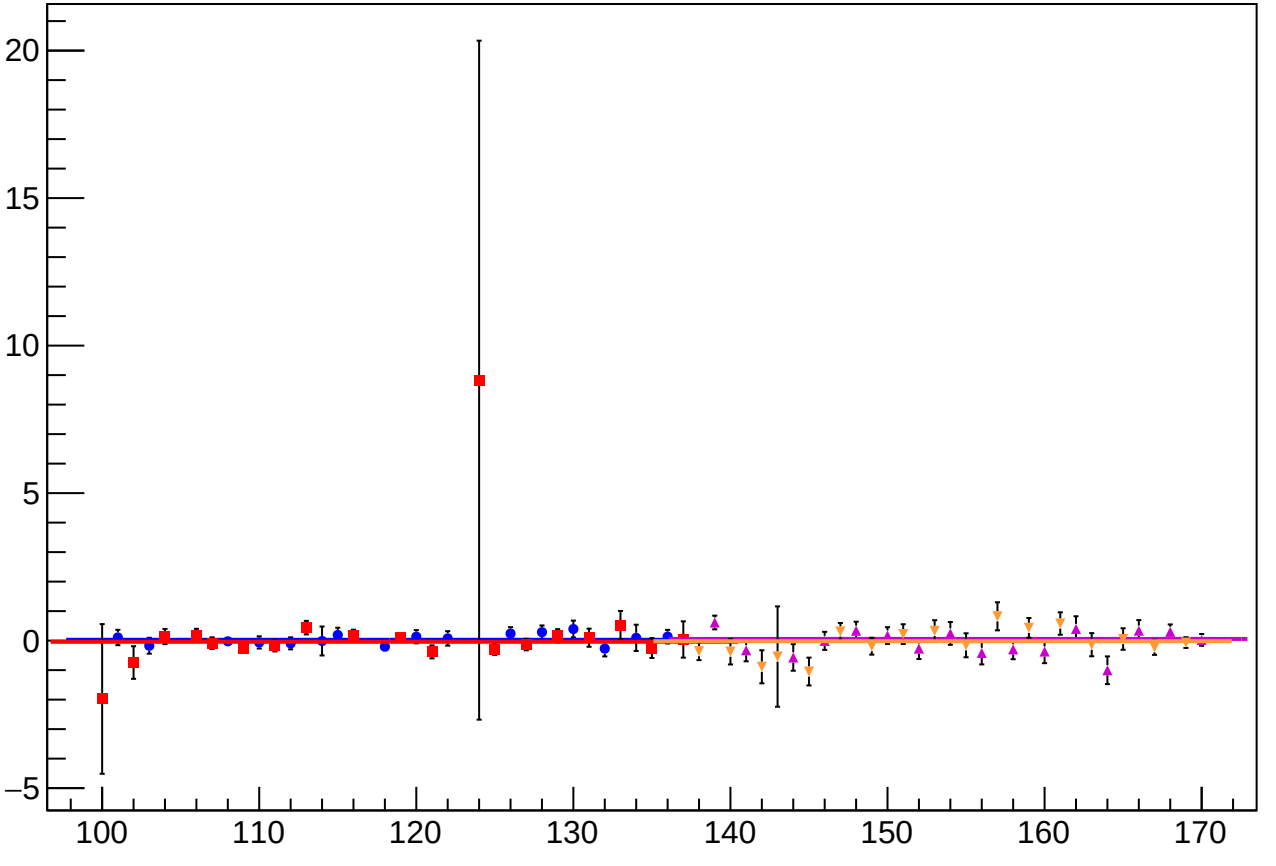
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304887.3/35

All: 0.006+/-0.000 χ^2/NDF: 19066016.3/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

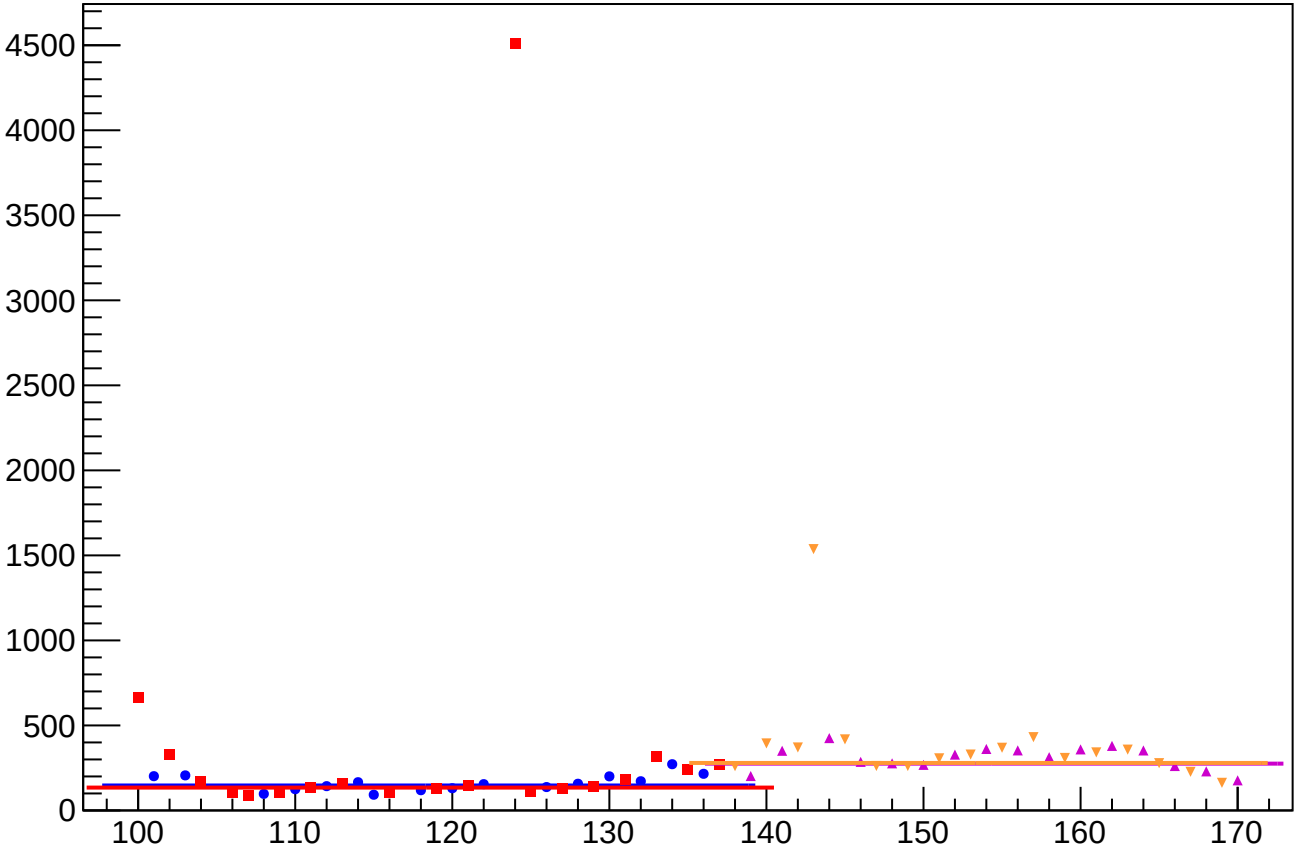
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

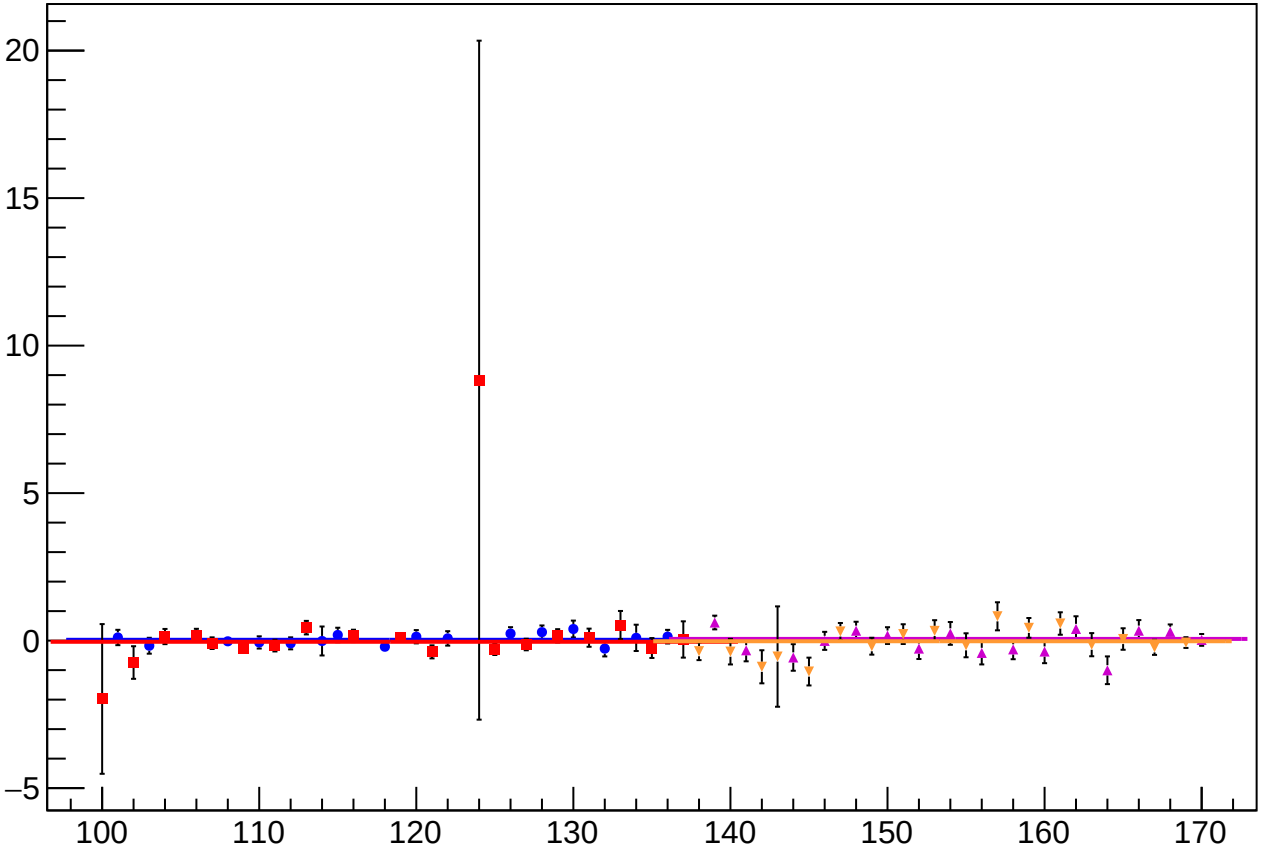
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

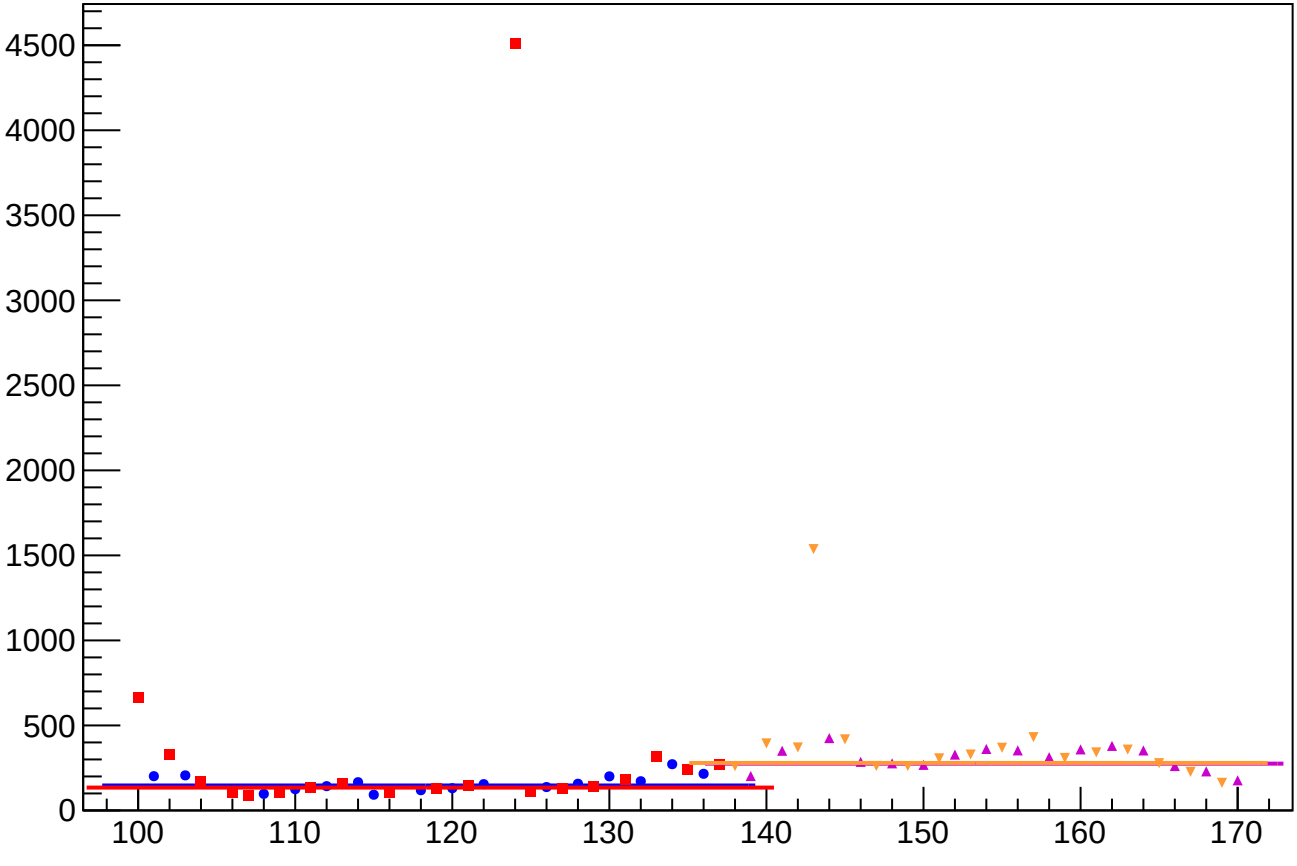
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

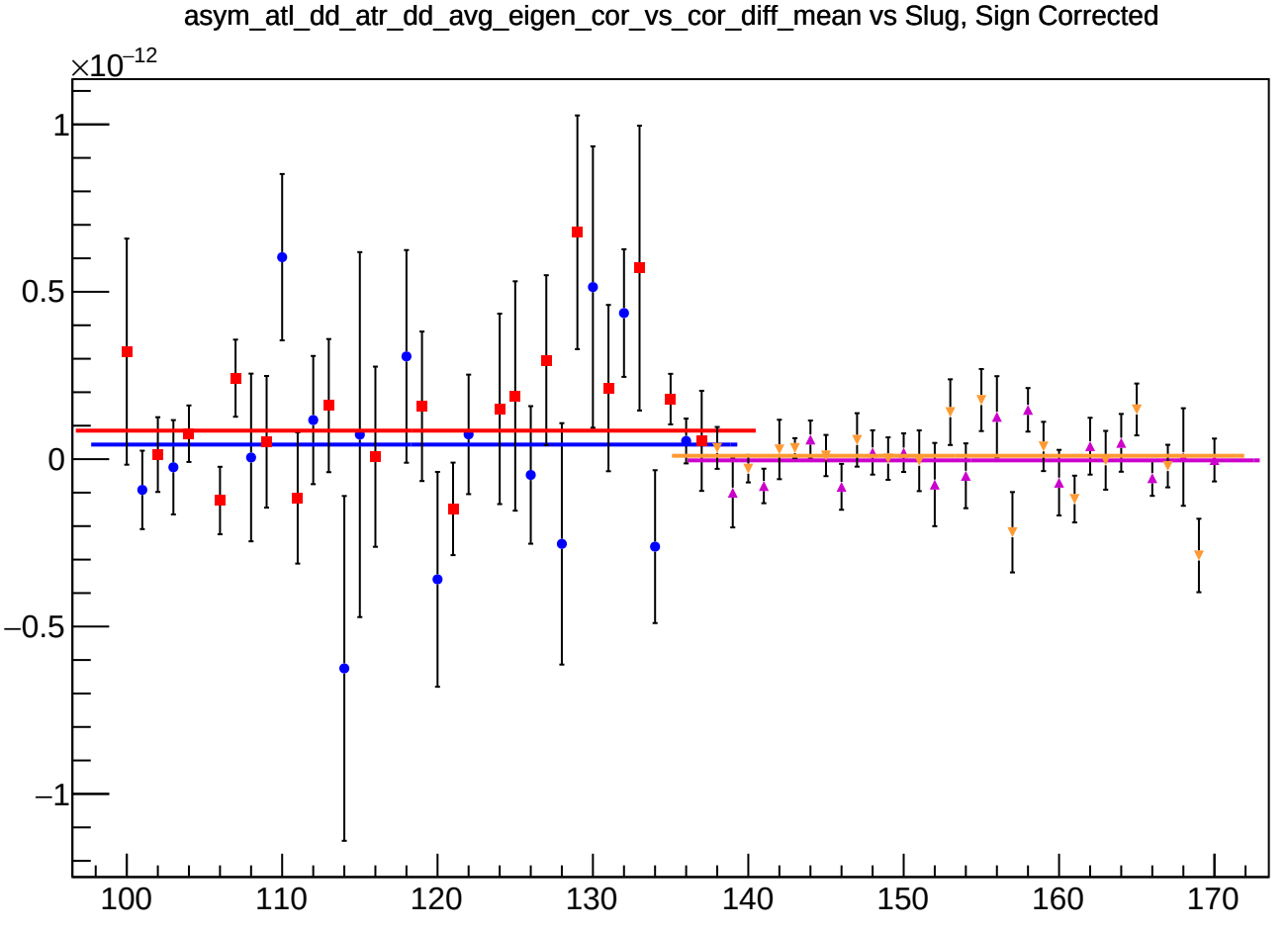
Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/15

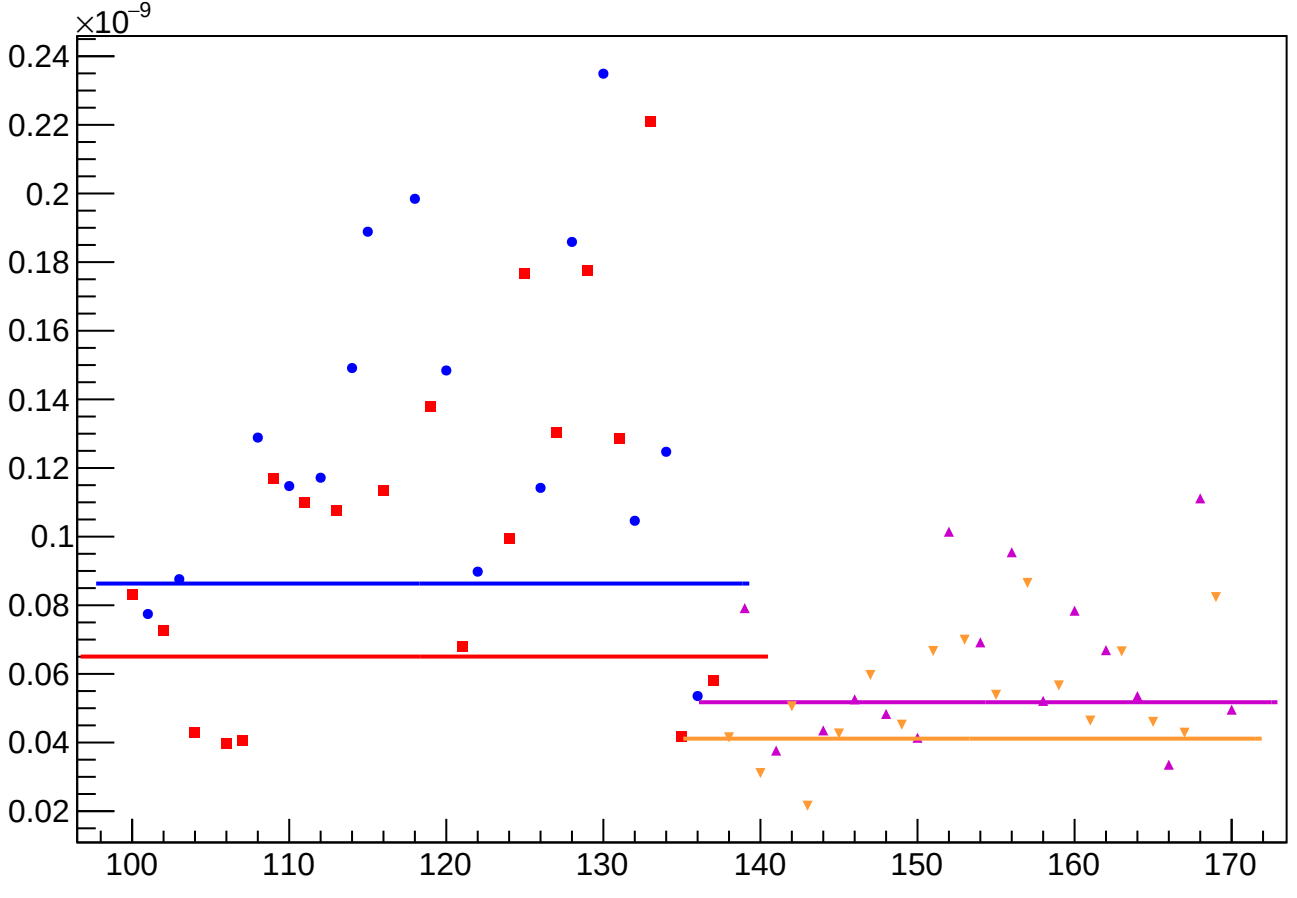
Left: 0.000+/-0.000 χ^2/NDF: 40.5/32

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.3/35

All: 0.000+/-0.000 χ^2/NDF: 83.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2344358.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

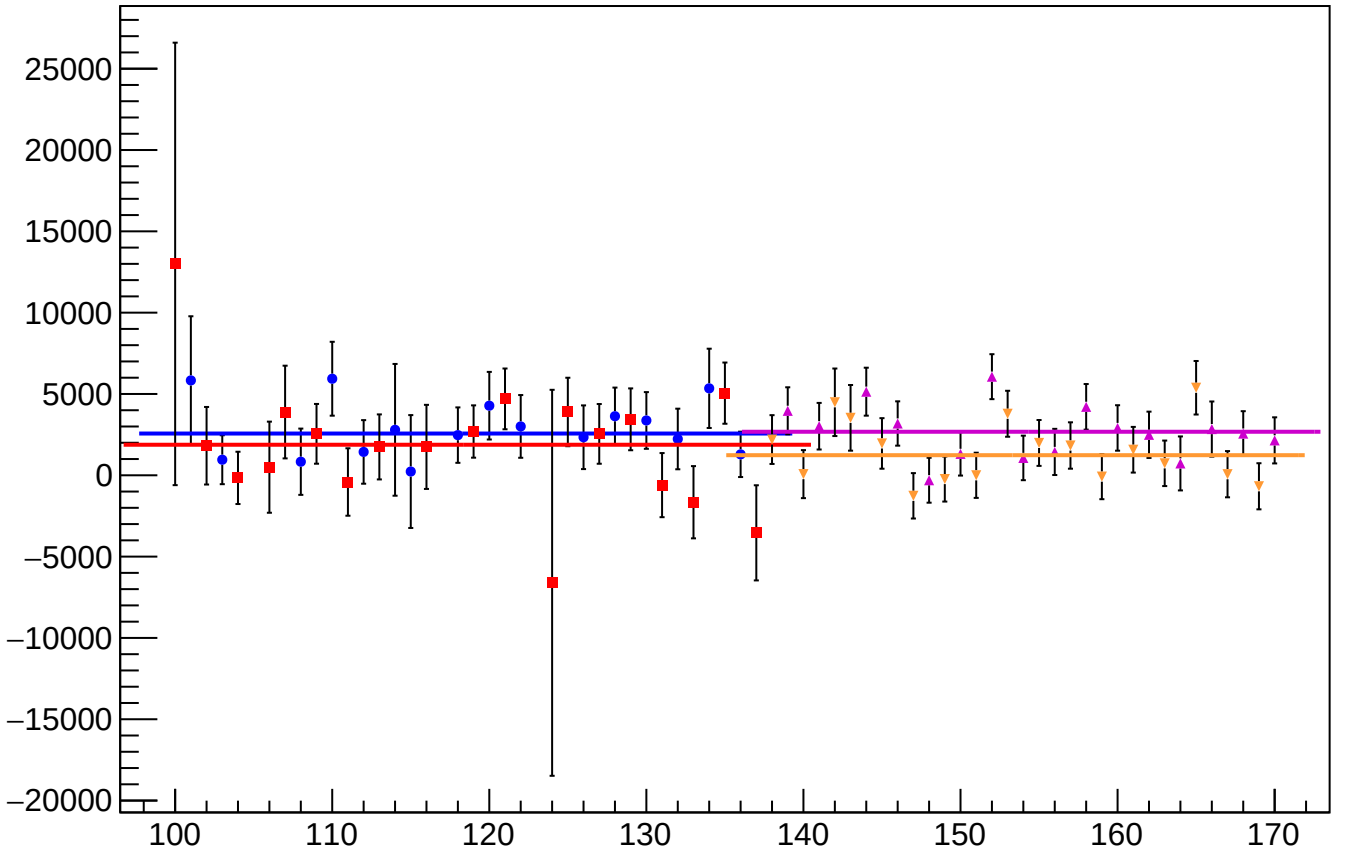
Left: 0.000+/-0.000 χ^2/NDF: 4570285.6/32

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5315337.7/35

All: 0.000+/-0.000 χ^2/NDF: 10411356.8/67



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.936+/-359.399 χ^2/NDF:23.8/16

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2676.656+/-356.864 χ^2/NDF:20.4/15

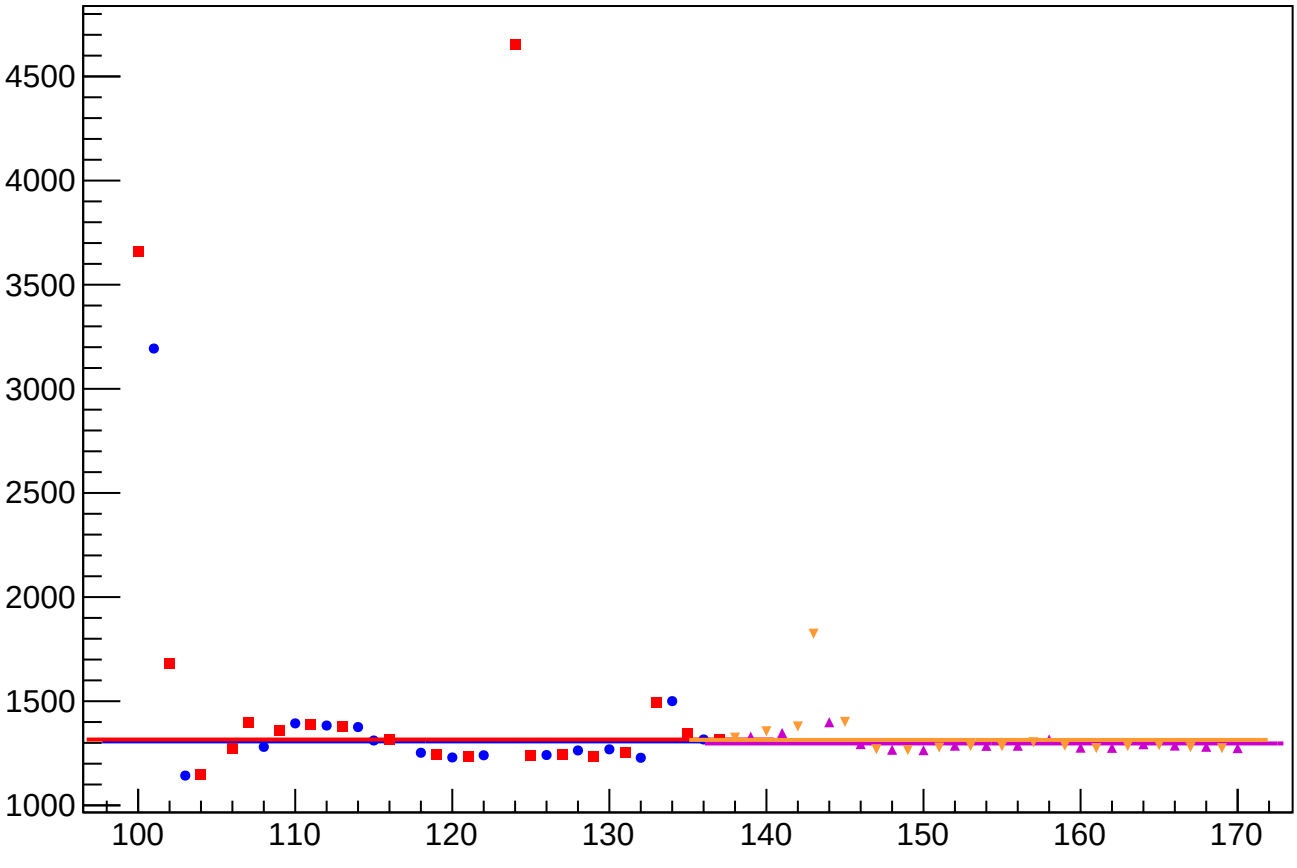
Left: 1961.395+/-253.232 χ^2/NDF: 52.2/32

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2639.348+/-289.551 χ^2/NDF:29.5/31

Out: 1457.745+/-290.770 χ^2/NDF:44.4/35

All: 2051.027+/-205.173 χ^2/NDF: 82.2/67



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1314.125+/-0.254 χ^2/NDF:151820.8/16

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

Left: 1305.559+/-0.179 χ^2/NDF: 171701.0/32

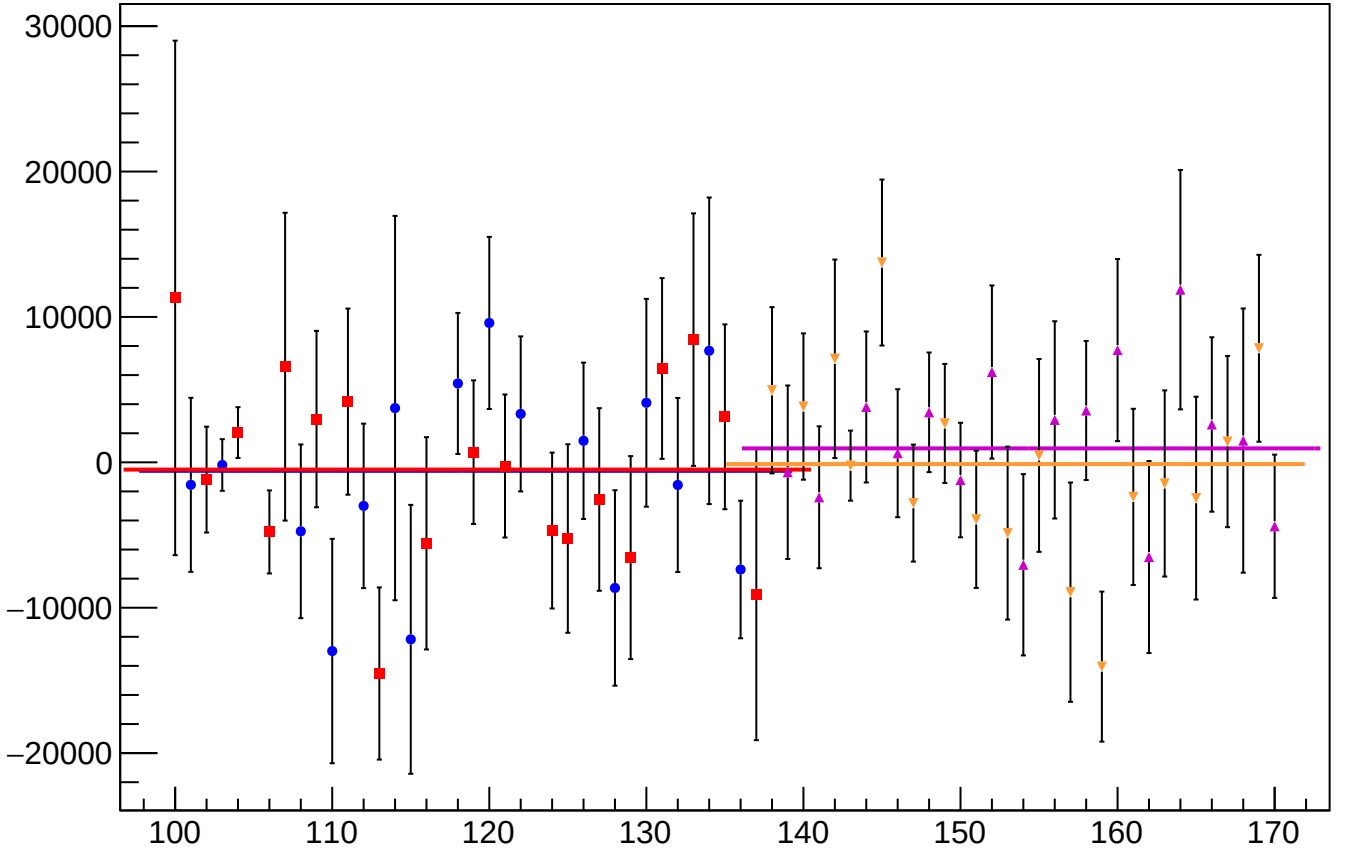
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1300.515+/-0.205 χ^2/NDF:534404.7/31

Out: 1314.775+/-0.205 χ^2/NDF:478259.7/35

All: 1307.621+/-0.145 χ^2/NDF: 1015081.8/67

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: -118.924+/-1201.986 χ^2/NDF:21.2/16

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 958.872+/-1353.474 χ^2/NDF:9.8/15

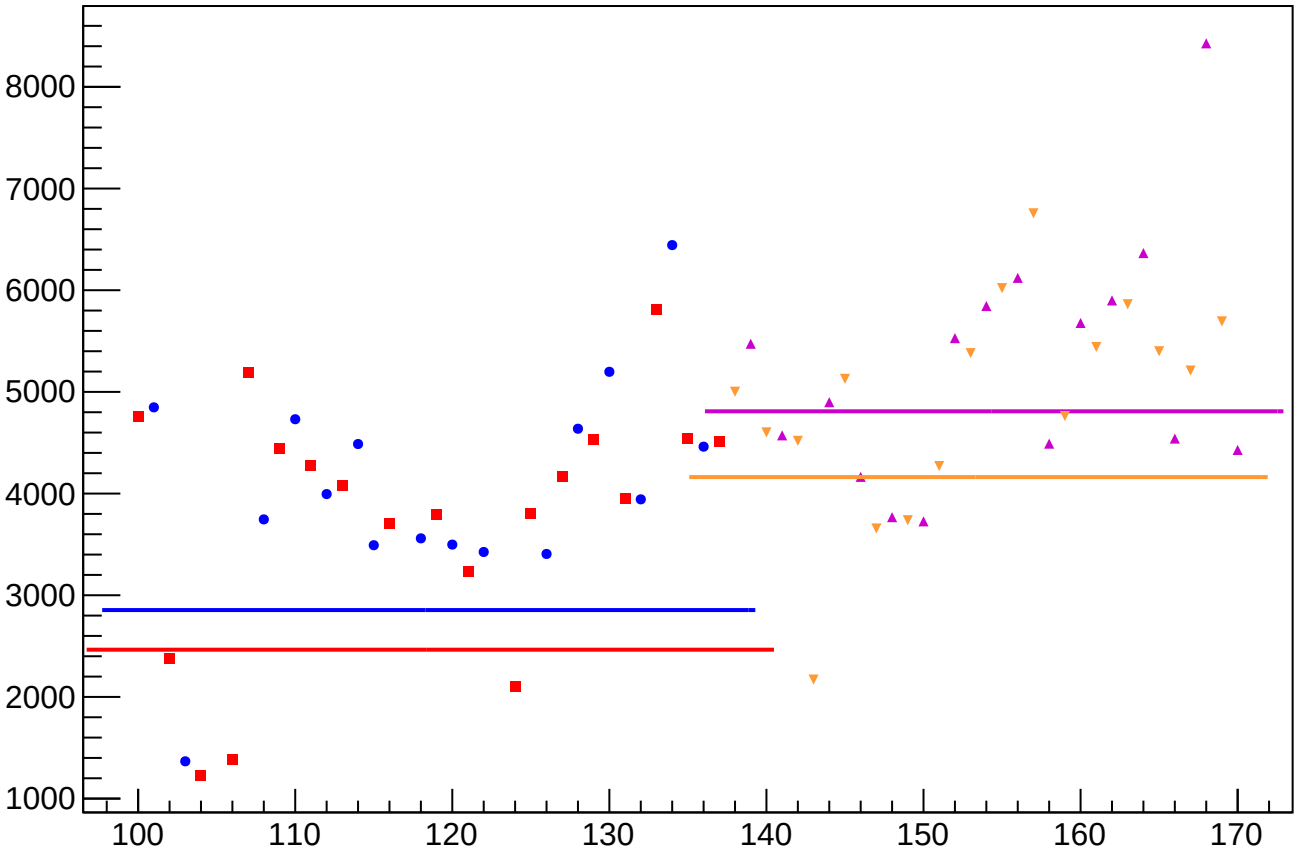
Left: 356.306+/-898.739 χ^2/NDF: 31.3/32

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 91.748+/-894.905 χ^2/NDF:25.3/31

Out: -334.153+/-793.085 χ^2/NDF:39.0/35

All: -146.800+/-593.545 χ^2/NDF: 64.3/67



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4162.094+/-0.850 χ^2/NDF:2515108.7/16

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4809.099+/-0.957 χ^2/NDF:1017939.5/15

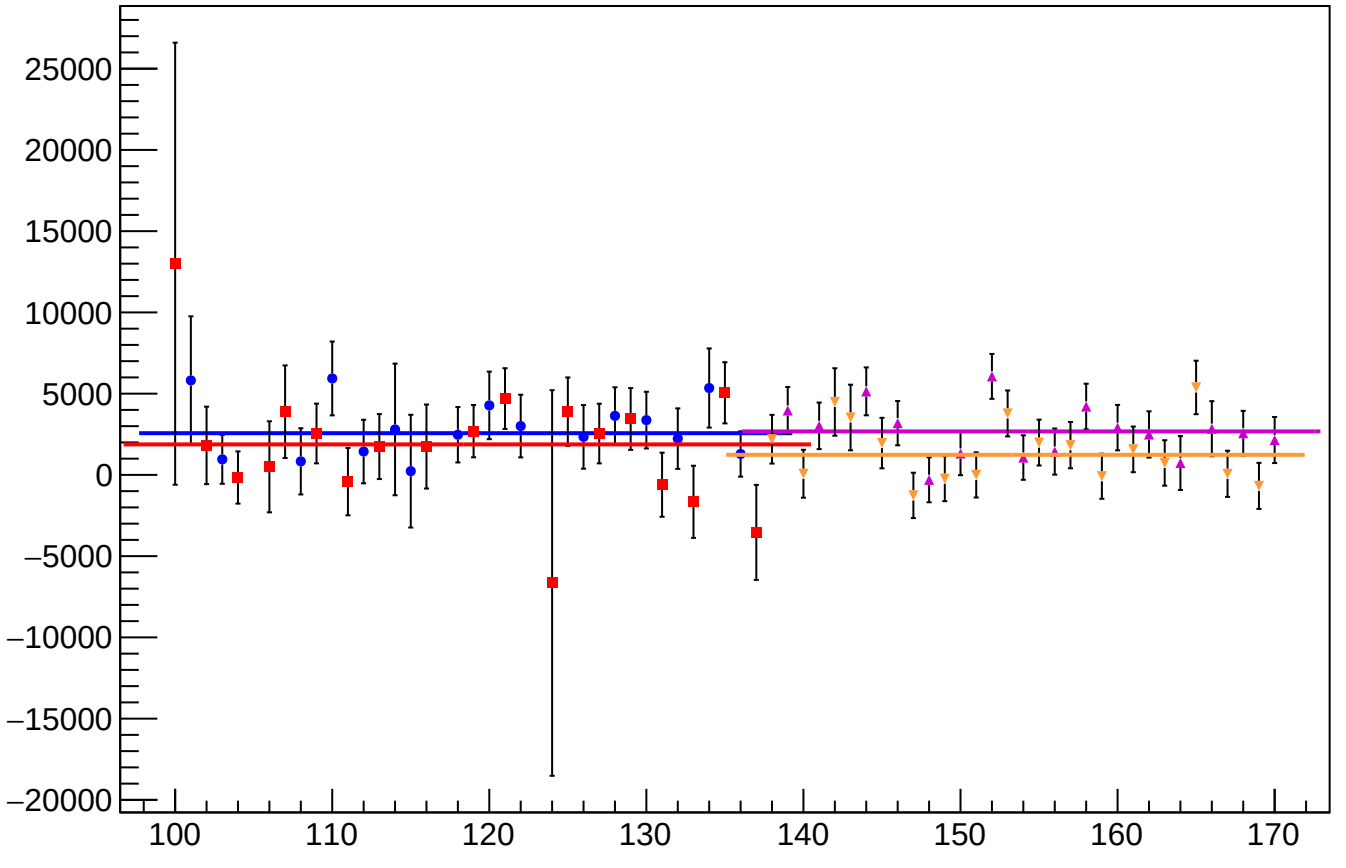
Left: 4447.376+/-0.636 χ^2/NDF: 3788561.8/32

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3708.888+/-0.633 χ^2/NDF:6270818.5/31

Out: 3203.604+/-0.561 χ^2/NDF:8123367.5/35

All: 3425.877+/-0.420 χ^2/NDF: 14751305.8/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.848+/-359.399 χ^2/NDF:23.8/16

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2676.687+/-356.864 χ^2/NDF:20.4/15

Left: 1961.366+/-253.232 χ^2/NDF: 52.2/32

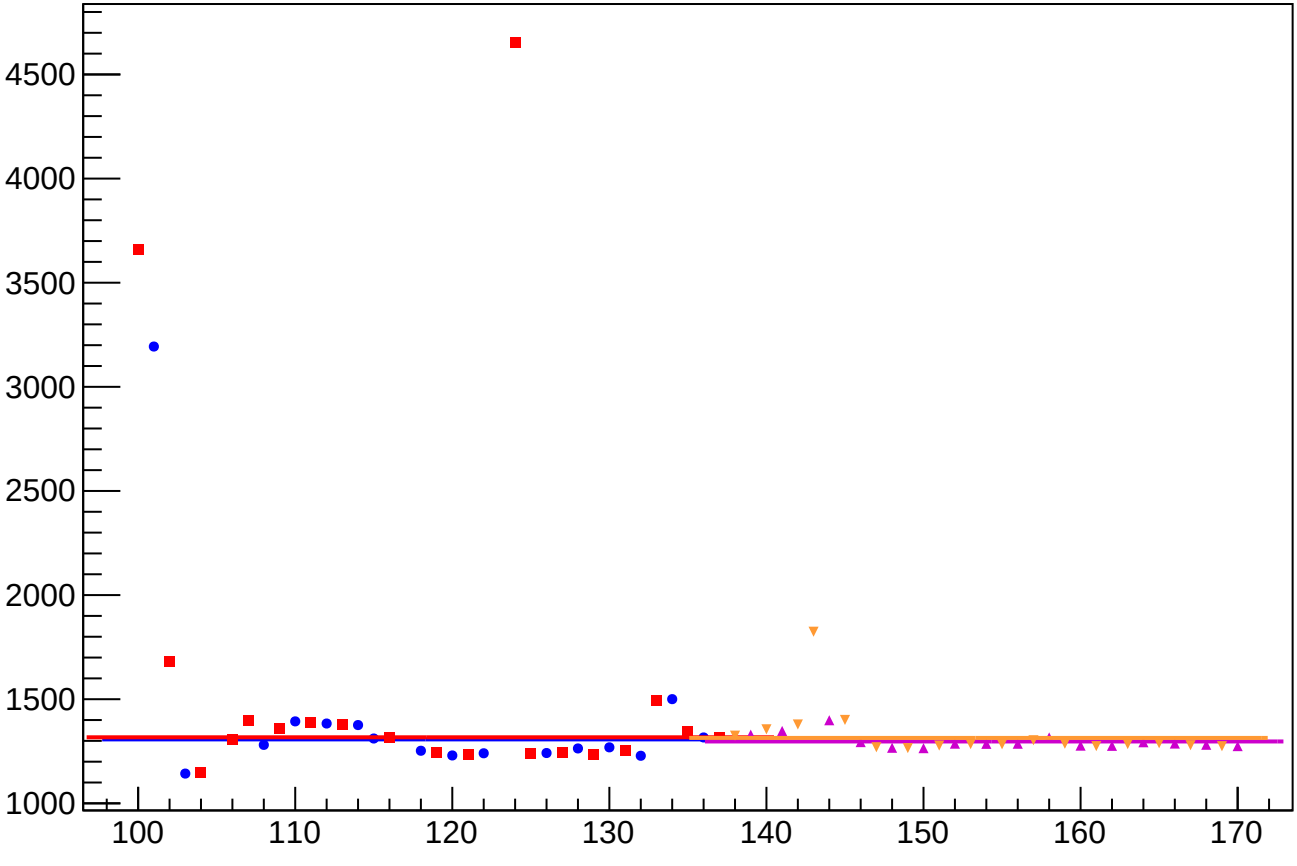
Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2639.272+/-289.551 χ^2/NDF:29.5/31

Out: 1457.599+/-290.770 χ^2/NDF:44.4/35

All: 2050.916+/-205.173 χ^2/NDF: 82.2/67

cor_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1314.125+/-0.254 χ^2/NDF:151820.8/16

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

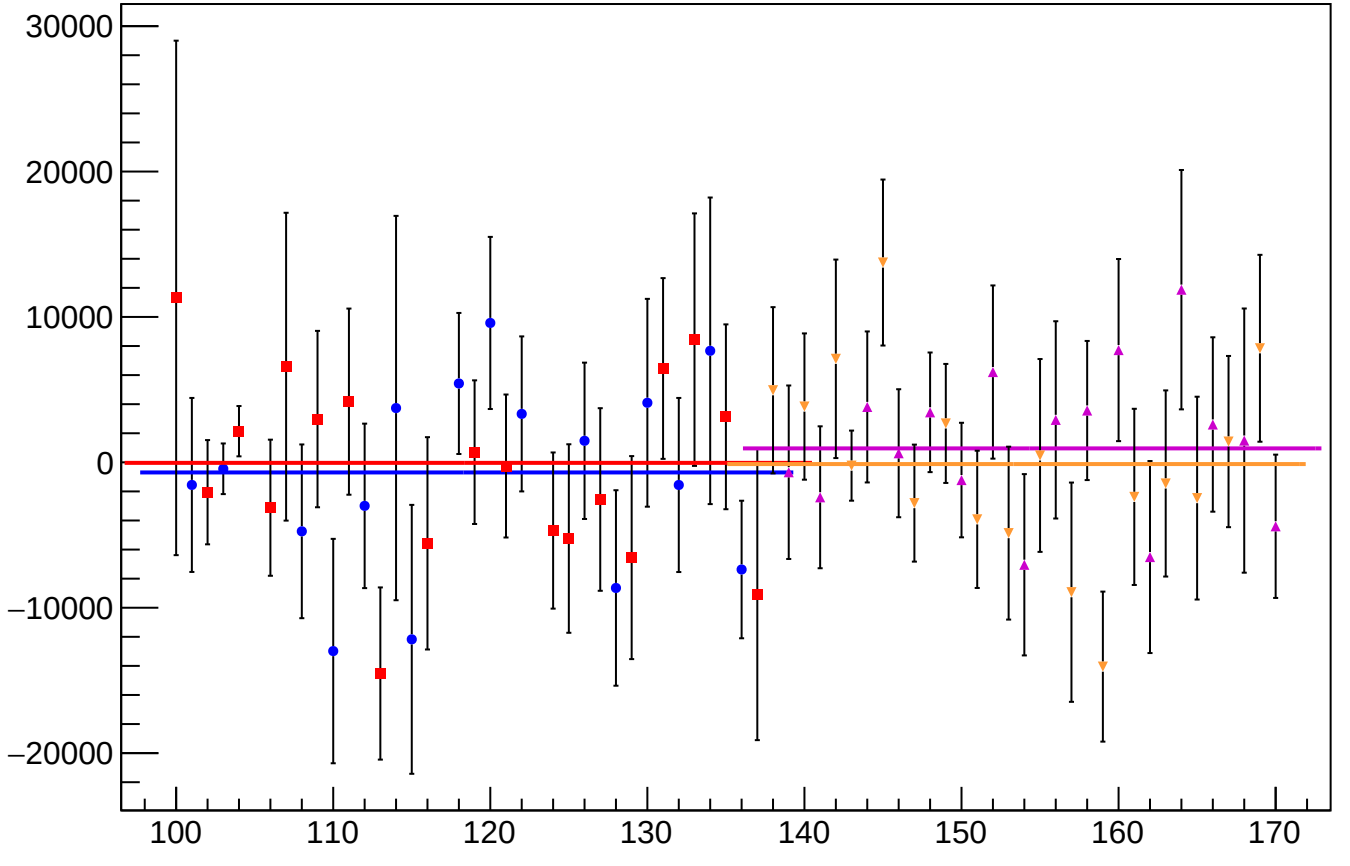
Left: 1305.559+/-0.179 χ^2/NDF: 171701.0/32

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1300.515+/-0.205 χ^2/NDF:534406.2/31

Out: 1315.165+/-0.205 χ^2/NDF:477795.9/35

All: 1307.814+/-0.145 χ^2/NDF: 1014753.0/67



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -118.943+/-1201.982 χ^2/NDF:21.2/16

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 958.931+/-1353.473 χ^2/NDF:9.8/15

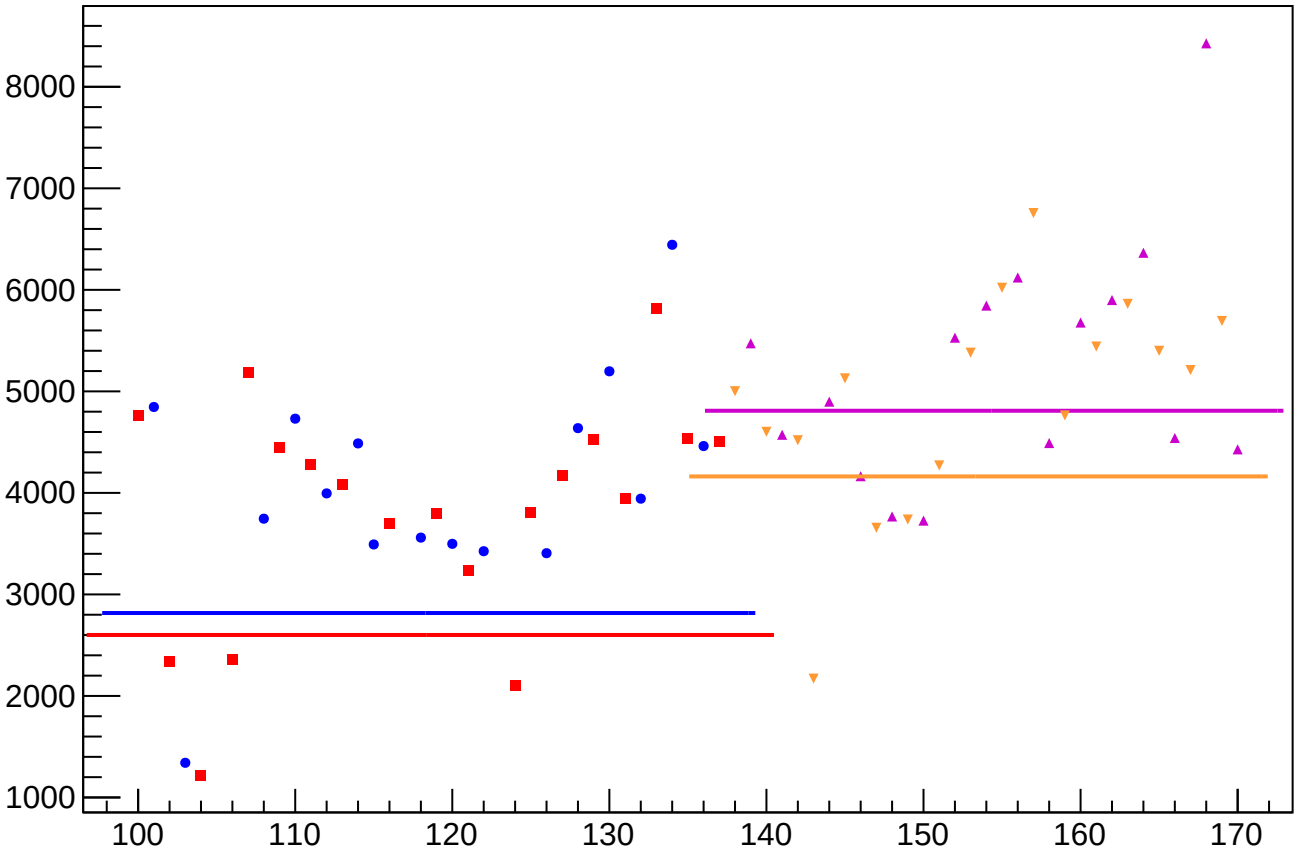
Left: 356.320+/-898.737 χ^2/NDF: 31.3/32

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 20.776+/-890.476 χ^2/NDF:25.3/31

Out: -73.799+/-810.759 χ^2/NDF:37.1/35

All: -30.934+/-599.499 χ^2/NDF: 62.5/67



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4162.071+/-0.850 χ^2/NDF:2515185.1/16

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

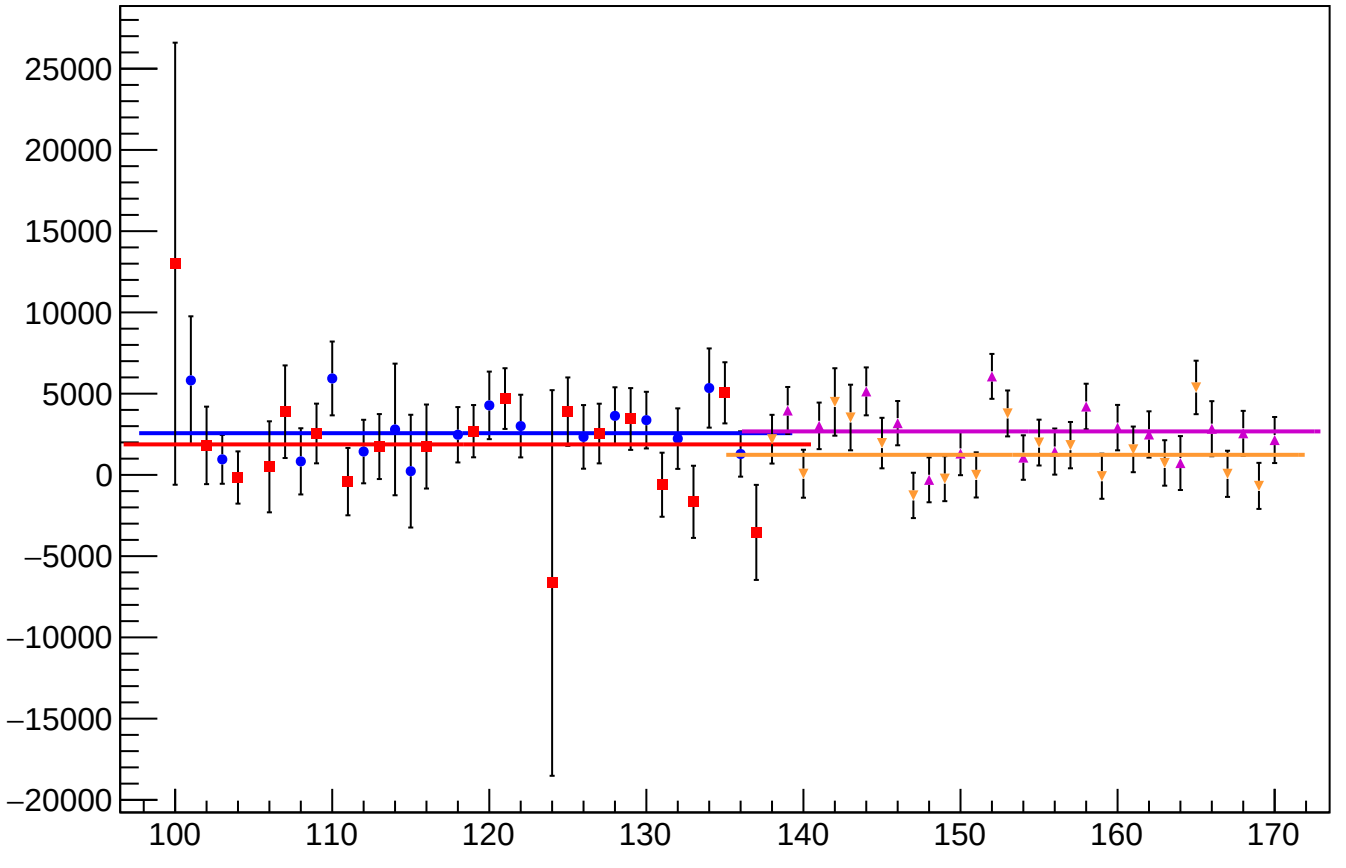
Left: 4447.361+/-0.636 χ^2/NDF: 3788662.4/32

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3679.172+/-0.630 χ^2/NDF:6483266.0/31

Out: 3310.990+/-0.573 χ^2/NDF:7435713.0/35

All: 3477.867+/-0.424 χ^2/NDF: 14105919.3/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.848+/-359.399 χ^2/NDF:23.8/16

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2676.687+/-356.864 χ^2/NDF:20.4/15

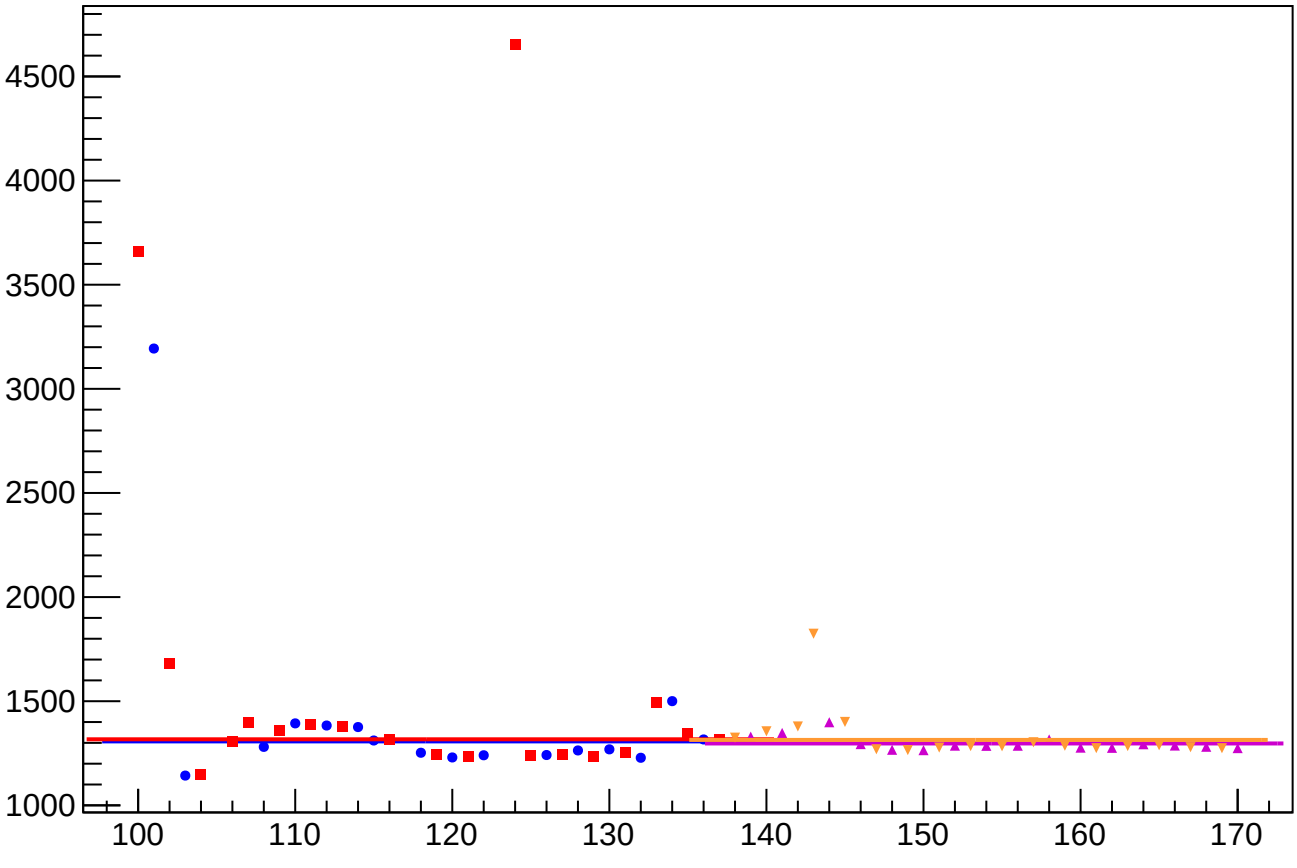
Left: 1961.366+/-253.232 χ^2/NDF: 52.2/32

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2639.272+/-289.551 χ^2/NDF:29.5/31

Out: 1457.599+/-290.770 χ^2/NDF:44.4/35

All: 2050.916+/-205.173 χ^2/NDF: 82.2/67



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1314.125+/-0.254 χ^2/NDF:151820.8/16

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

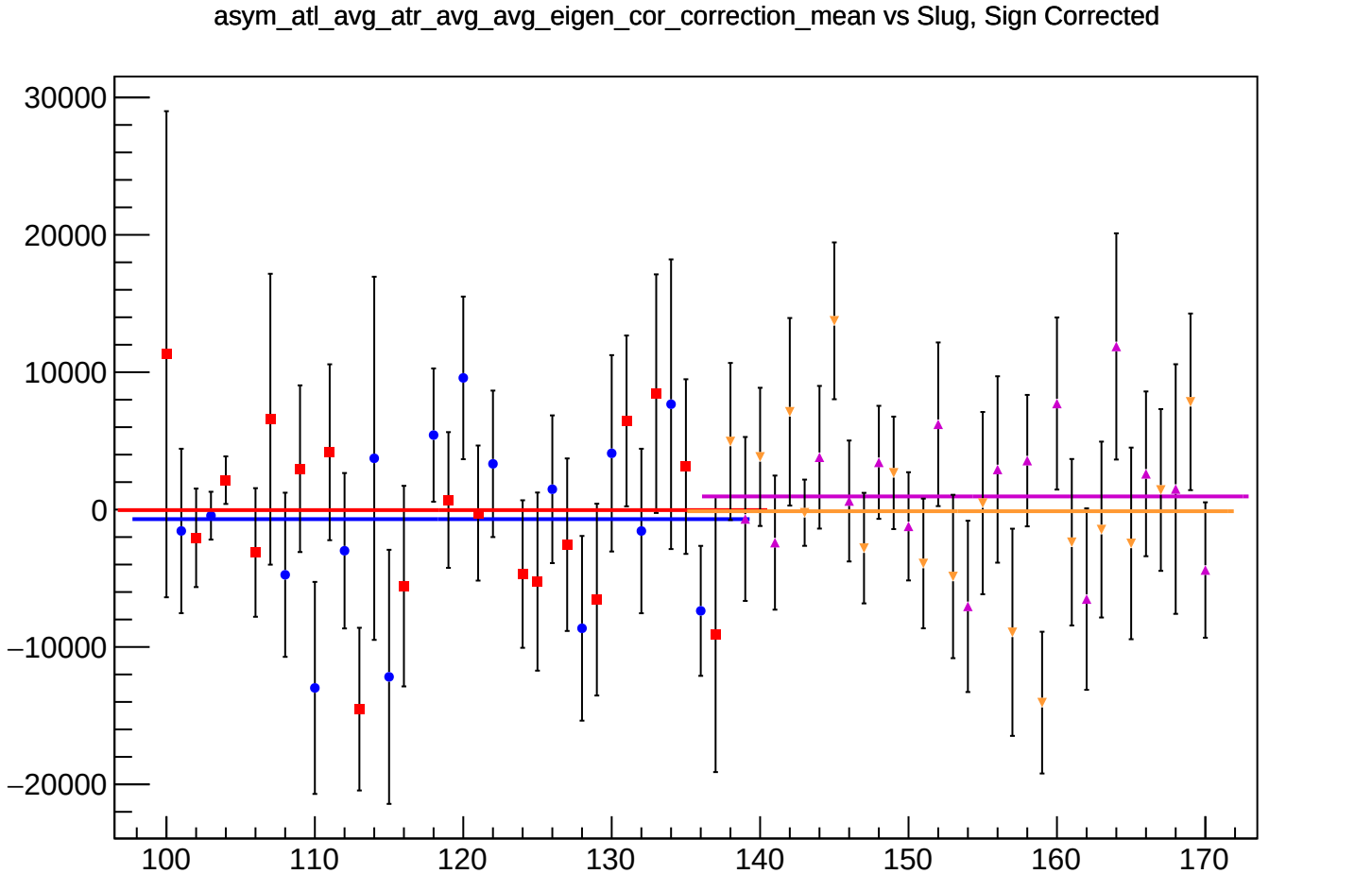
Left: 1305.559+/-0.179 χ^2/NDF: 171701.0/32

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

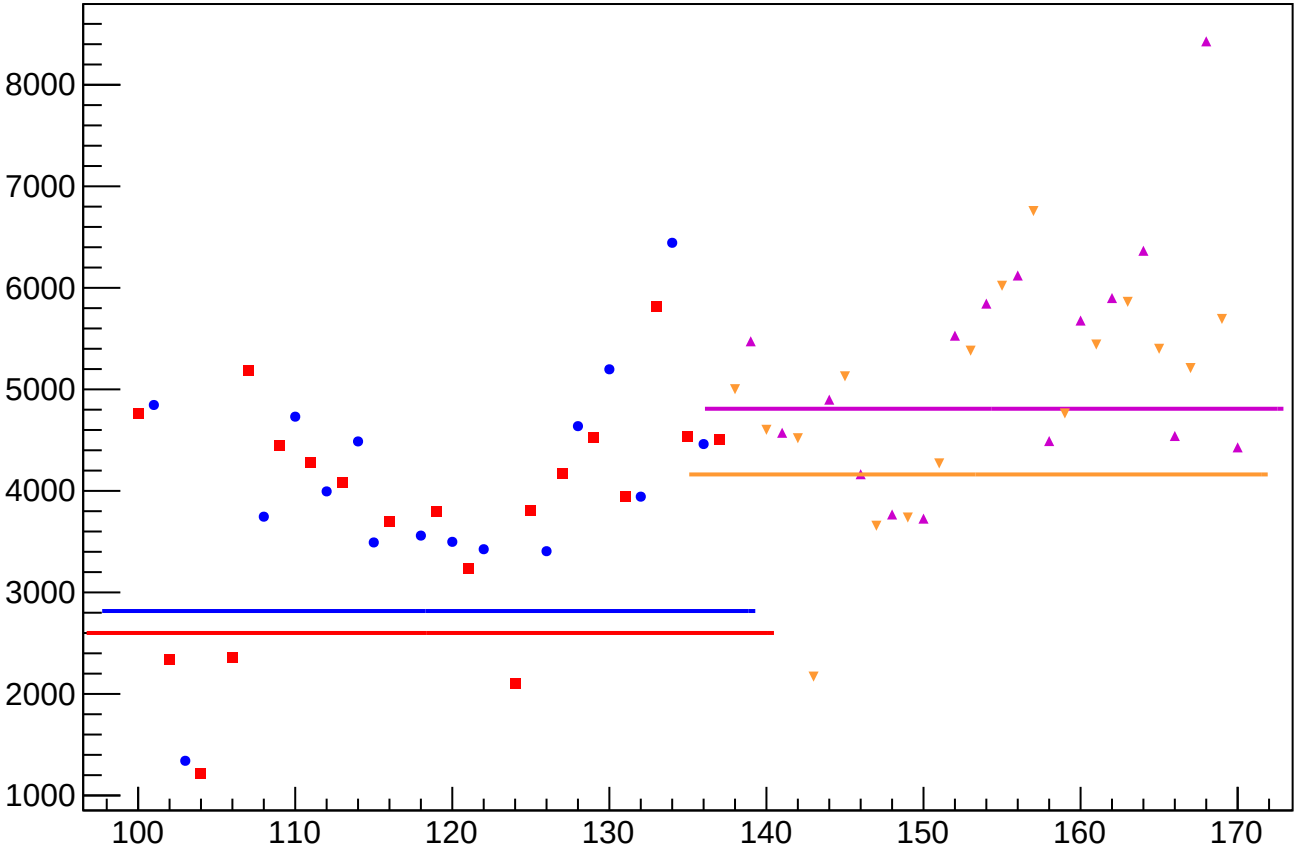
In: 1300.515+/-0.205 χ^2/NDF:534406.2/31

Out: 1315.165+/-0.205 χ^2/NDF:477795.9/35

All: 1307.814+/-0.145 χ^2/NDF: 1014753.0/67


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -118.943+/-1201.982 χ²/NDF:21.2/16
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 958.931+/-1353.473 χ²/NDF:9.8/15
Left: 356.320+/-898.737 χ²/NDF: 31.3/32
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: 20.776+/-890.476 χ²/NDF:25.3/31
Out: -73.799+/-810.759 χ²/NDF:37.1/35
All: -30.934+/-599.499 χ²/NDF: 62.5/67

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: 4162.071+/-0.850 χ^2/NDF:2515185.1/16

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

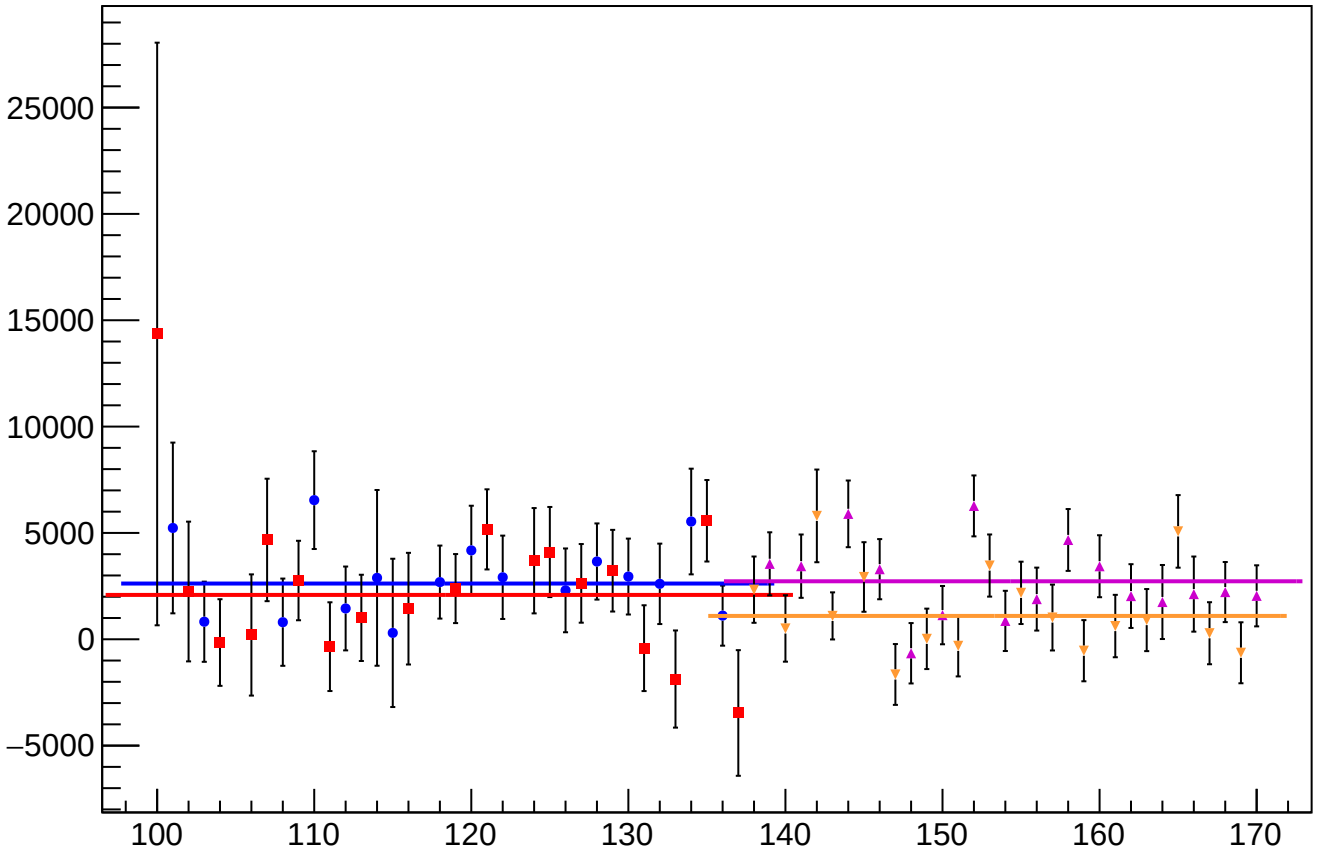
Left: 4447.361+/-0.636 χ^2/NDF: 3788662.4/32

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3679.172+/-0.630 χ^2/NDF:6483266.0/31

Out: 3310.990+/-0.573 χ^2/NDF:7435713.0/35

All: 3477.867+/-0.424 χ^2/NDF: 14105919.3/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1098.033+/-359.000 χ^2/NDF:23.7/16

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2726.645+/-369.856 χ^2/NDF:23.0/15

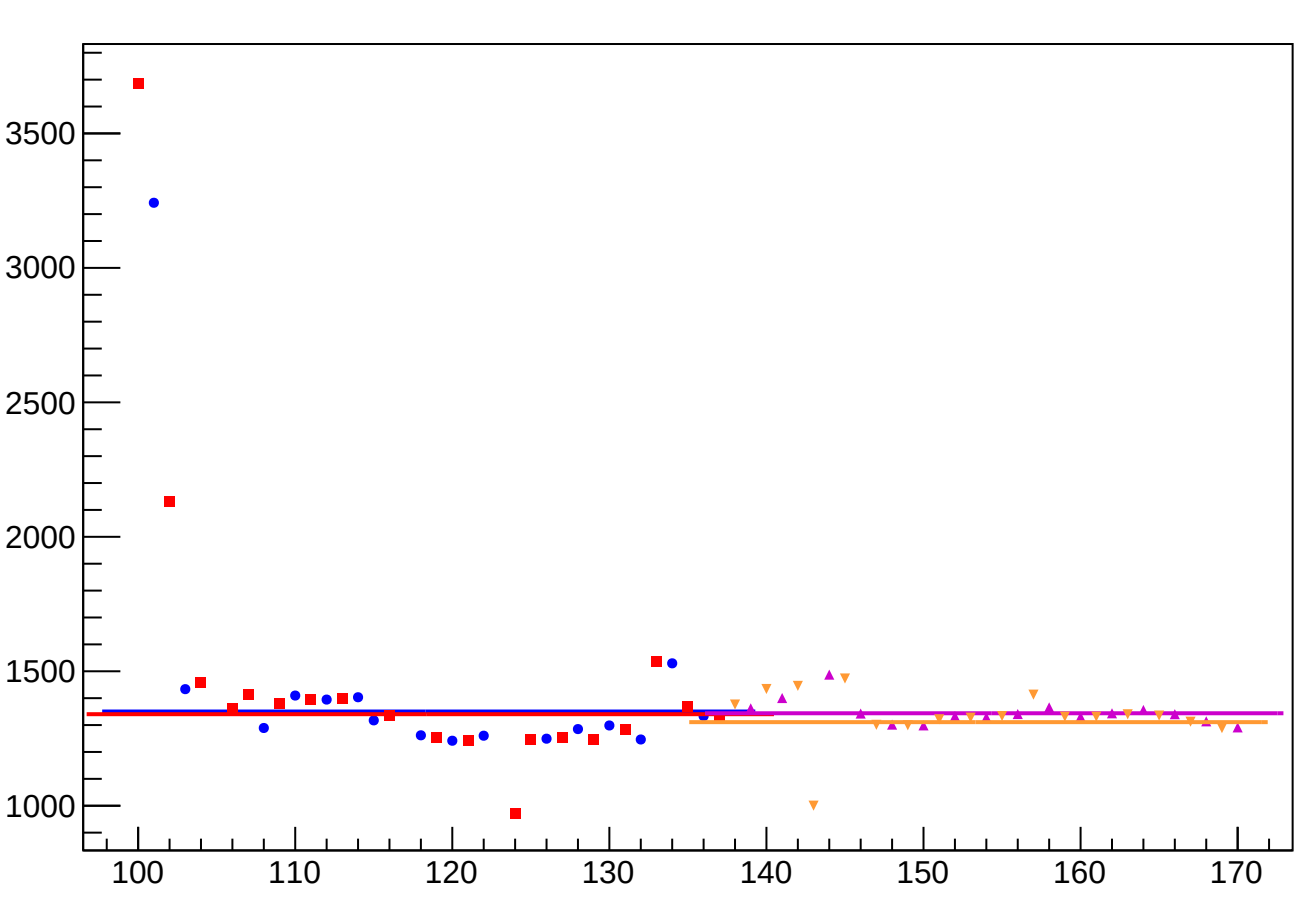
Left: 1888.088+/-257.604 χ^2/NDF: 56.7/32

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2690.214+/-299.714 χ^2/NDF:32.4/31

Out: 1429.682+/-292.575 χ^2/NDF:47.2/35

All: 2044.756+/-209.360 χ^2/NDF: 88.6/67



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1310.873+/-0.254 χ^2/NDF:212982.5/16

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1343.884+/-0.262 χ^2/NDF:28556.0/15

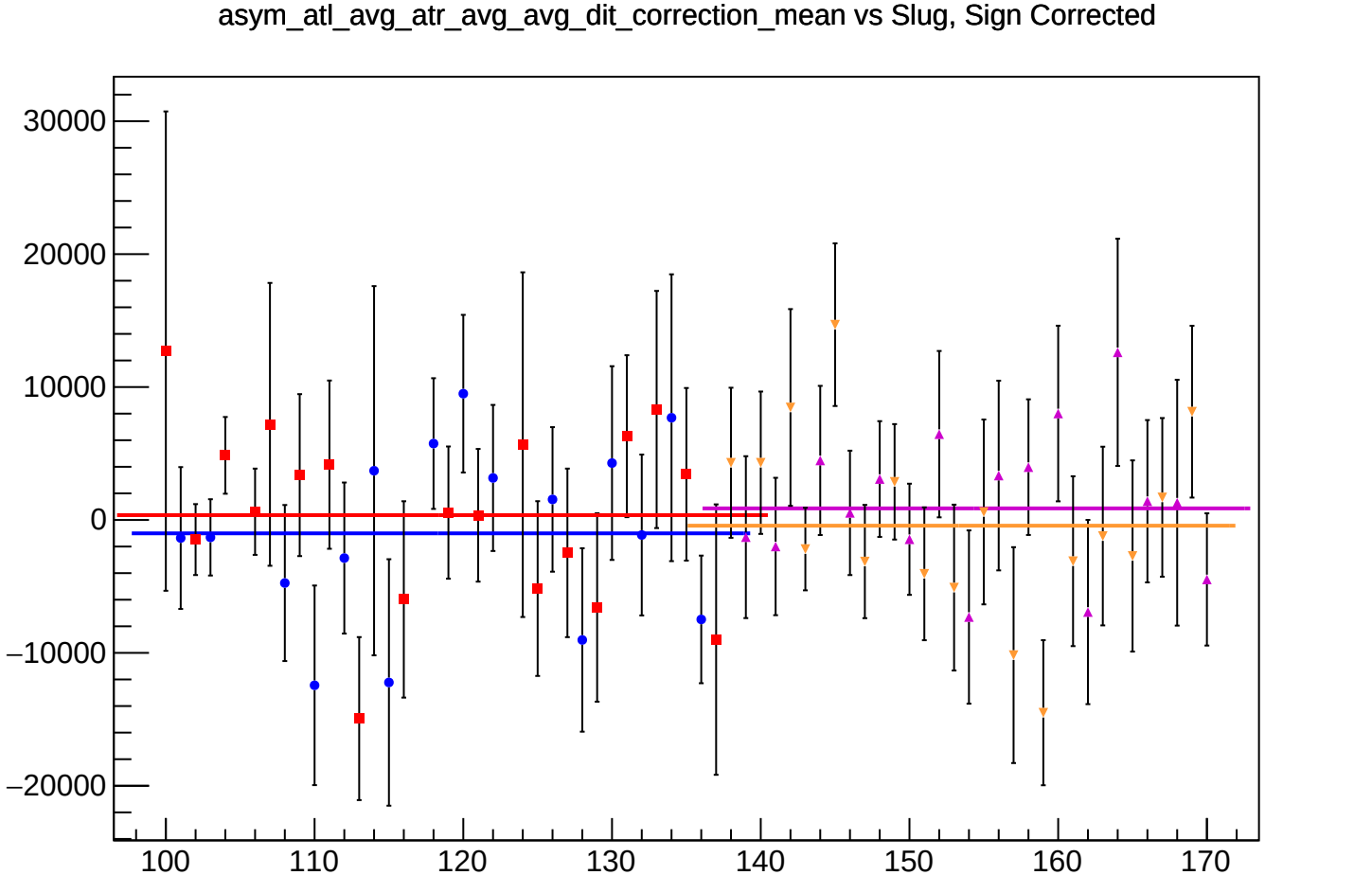
Left: 1326.887+/-0.182 χ^2/NDF: 249742.0/32

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

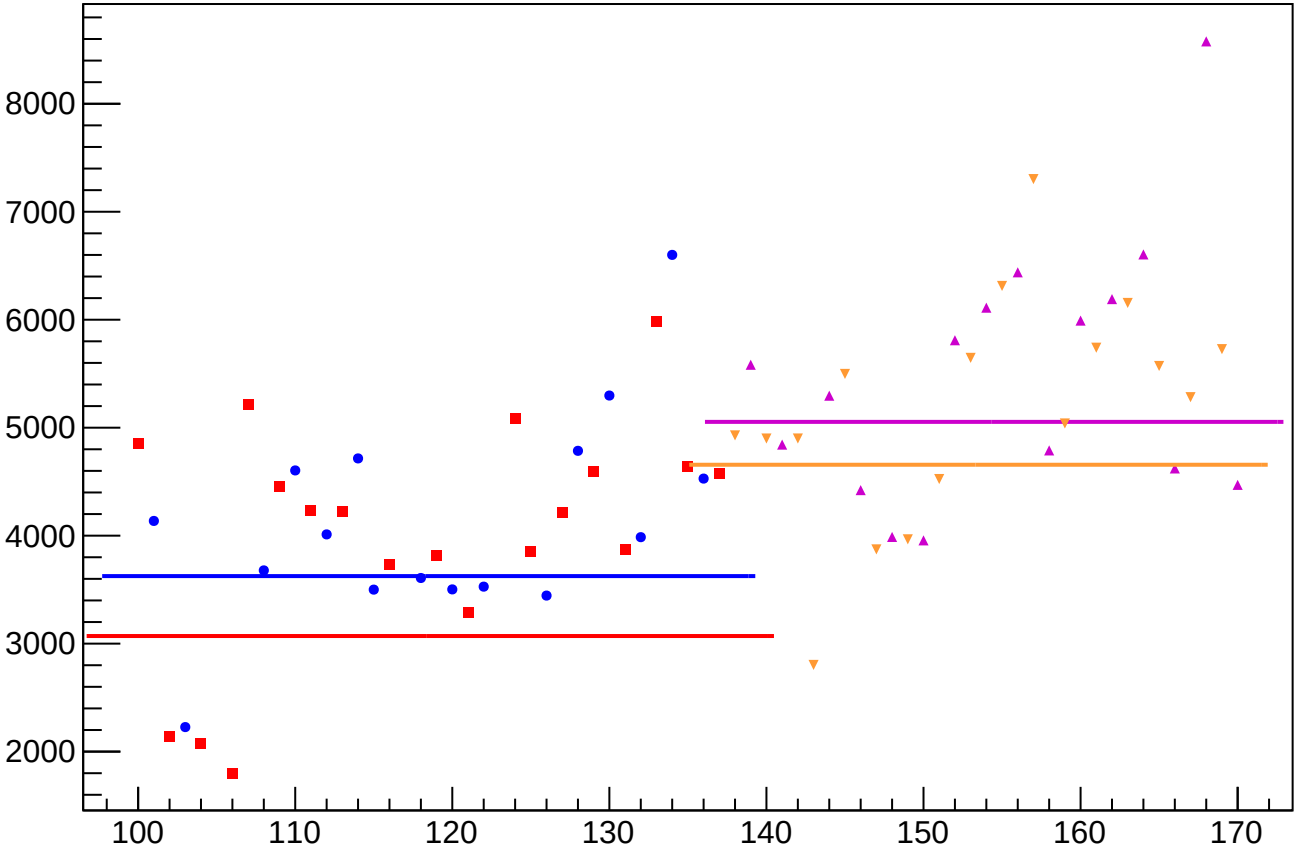
In: 1346.111+/-0.212 χ^2/NDF:522818.2/31

Out: 1320.807+/-0.207 χ^2/NDF:489722.1/35

All: 1333.151+/-0.148 χ^2/NDF: 1019841.4/67


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: -431.481+/-1317.609 χ²/NDF:21.7/16
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 870.881+/-1421.005 χ²/NDF:9.8/15
Left: 170.599+/-966.178 χ²/NDF: 31.9/32
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -78.931+/-998.901 χ²/NDF:25.2/31
Out: 2.788+/-888.208 χ²/NDF:38.1/35
All: -33.294+/-663.757 χ²/NDF: 63.4/67

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4656.781+/-0.932 χ^2/NDF:1532527.5/16

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5053.863+/-1.005 χ^2/NDF:966794.7/15

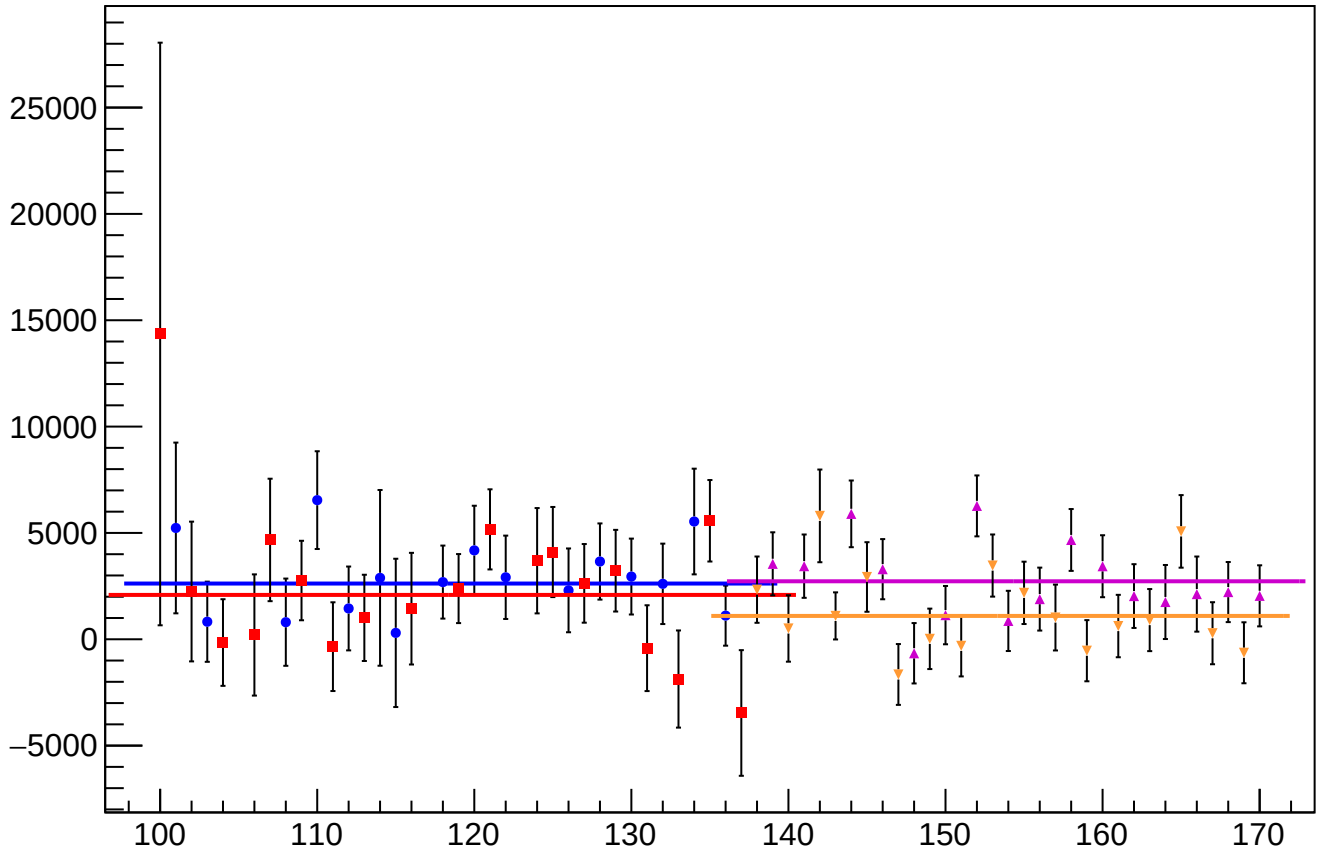
Left: 4840.352+/-0.683 χ^2/NDF: 2583295.3/32

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4331.323+/-0.706 χ^2/NDF:2933899.9/31

Out: 3791.303+/-0.628 χ^2/NDF:4952830.1/35

All: 4029.745+/-0.469 χ^2/NDF: 8213162.5/67



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1098.026+/-359.001 χ^2/NDF:23.7/16

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2726.646+/-369.856 χ^2/NDF:23.0/15

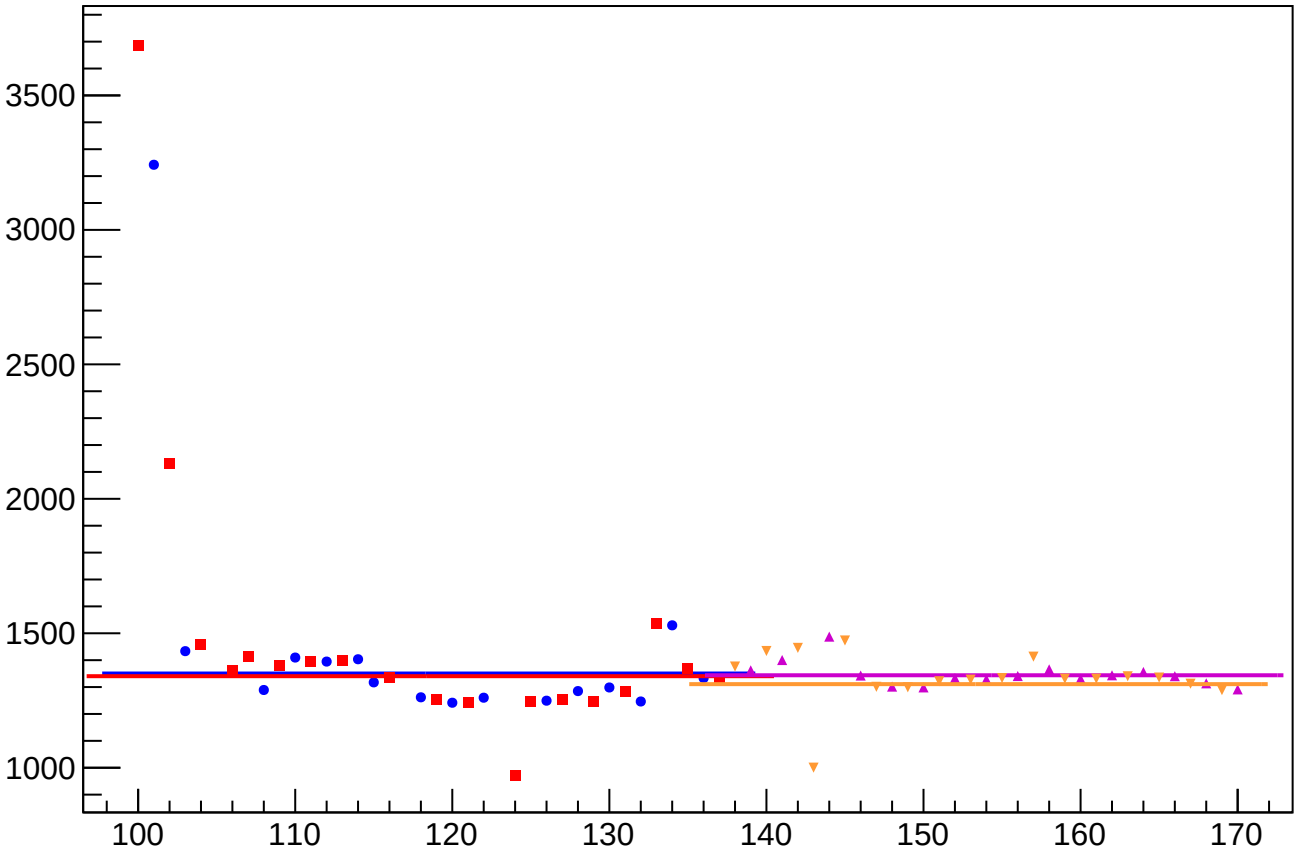
Left: 1888.085+/-257.604 χ^2/NDF: 56.7/32

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2690.216+/-299.714 χ^2/NDF:32.4/31

Out: 1429.679+/-292.575 χ^2/NDF:47.2/35

All: 2044.755+/-209.360 χ^2/NDF: 88.6/67



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1310.874+/-0.254 χ^2/NDF:212983.2/16

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1343.885+/-0.262 χ^2/NDF:28556.4/15

Left: 1326.888+/-0.182 χ^2/NDF: 249743.1/32

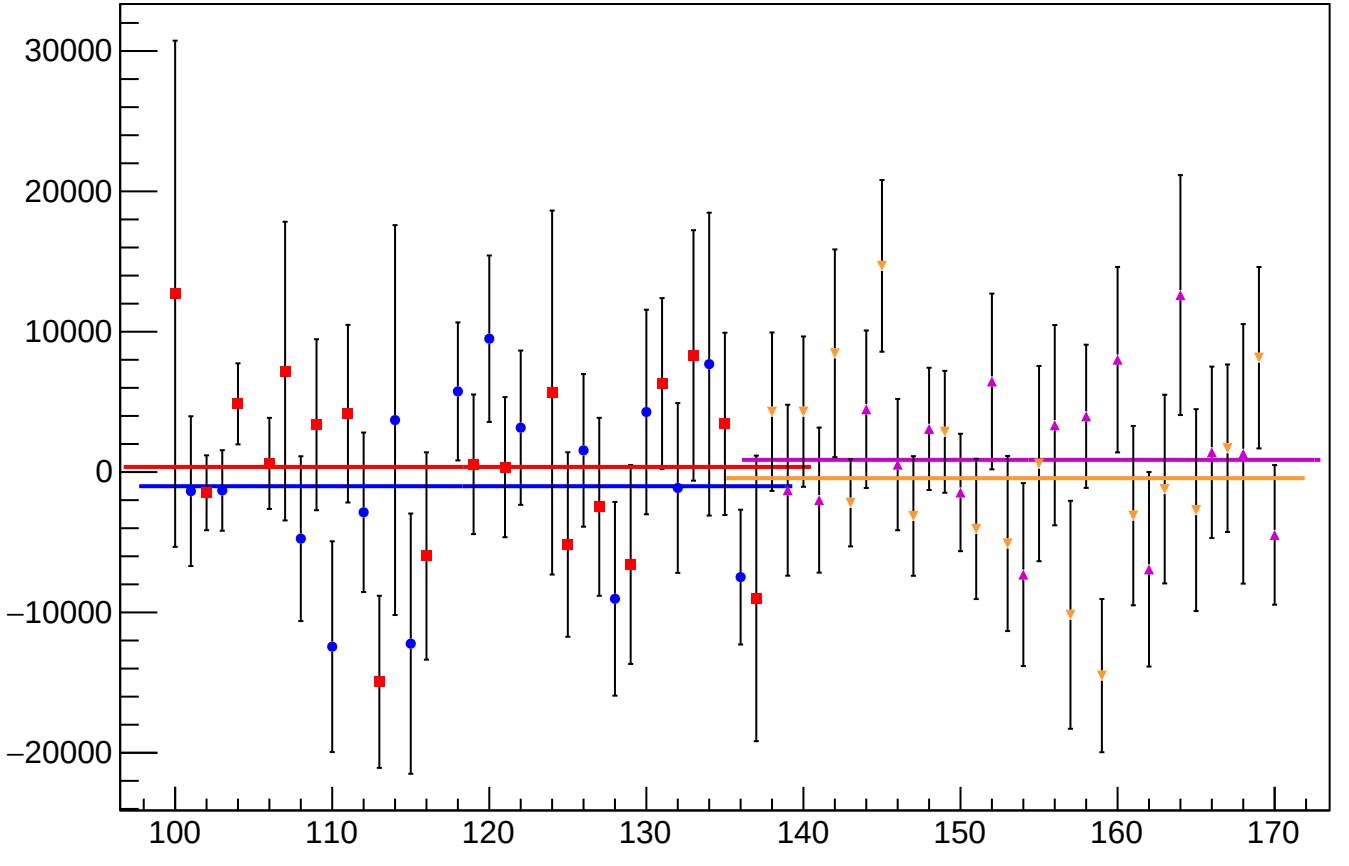
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1346.111+/-0.212 χ^2/NDF:522818.6/31

Out: 1320.807+/-0.207 χ^2/NDF:489721.3/35

All: 1333.152+/-0.148 χ^2/NDF: 1019841.0/67

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -431.485+/-1317.611 χ^2/NDF:21.7/16

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 870.879+/-1421.007 χ^2/NDF:9.8/15

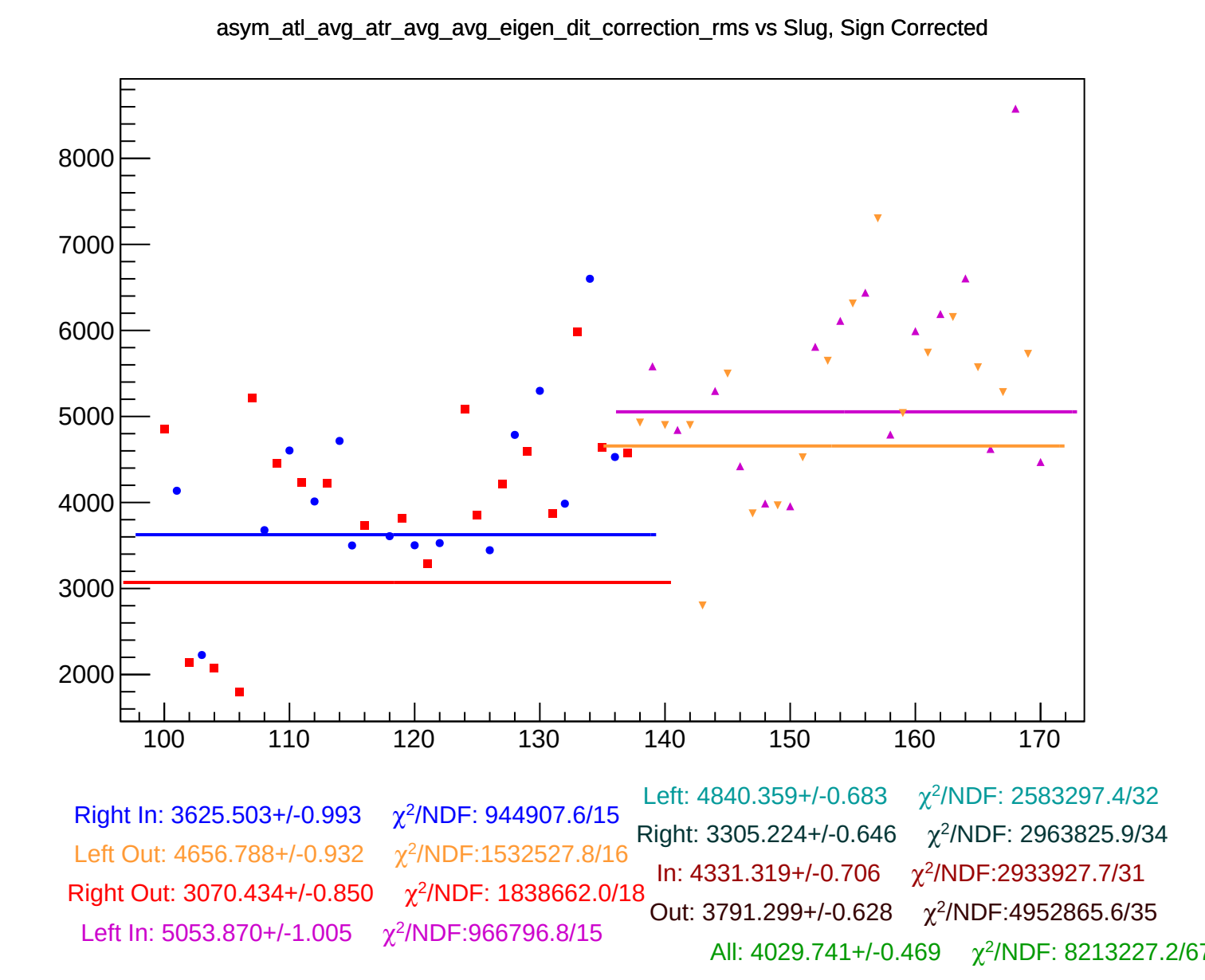
Left: 170.597+/-966.179 χ^2/NDF: 31.9/32

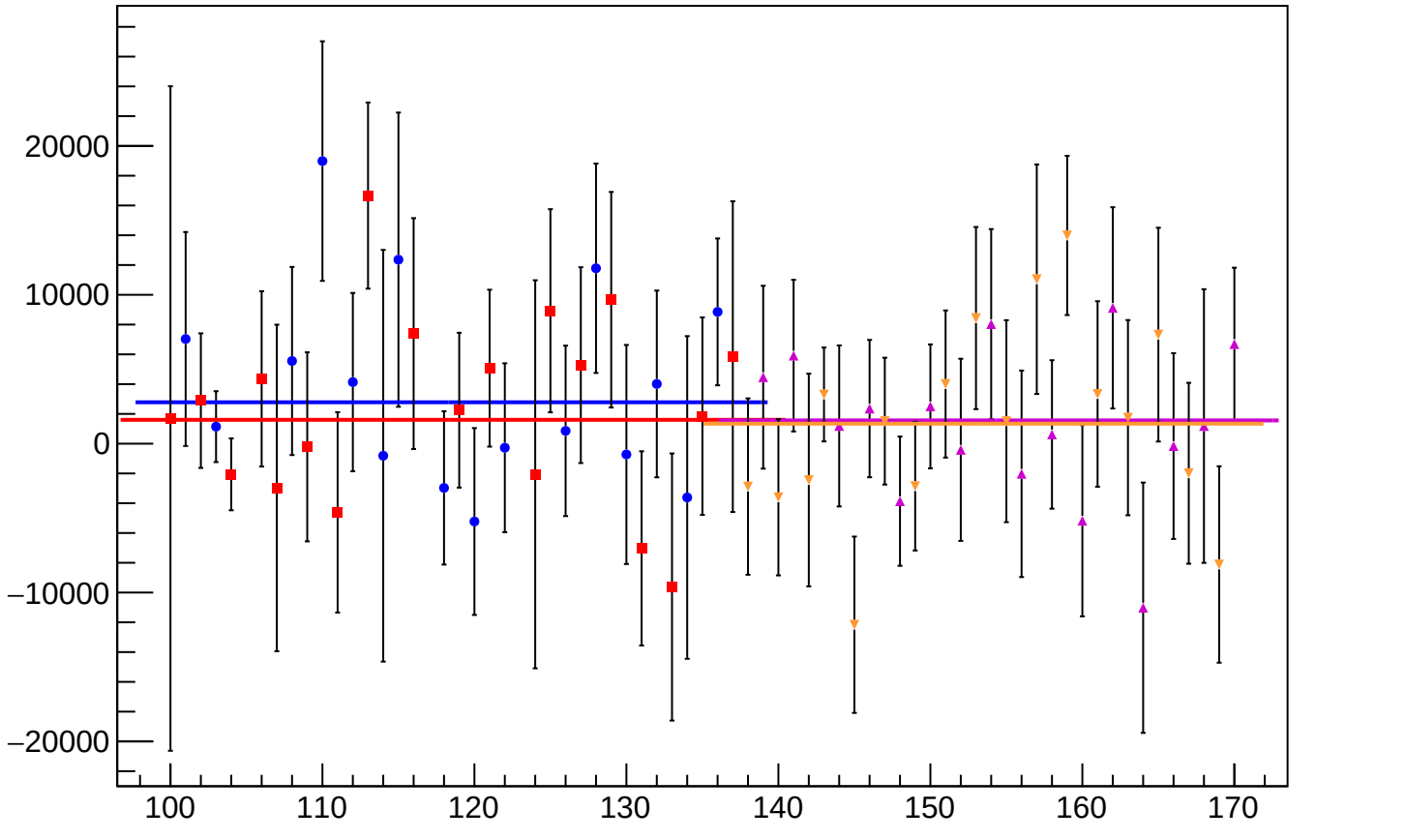
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -78.931+/-998.900 χ^2/NDF:25.2/31

Out: 2.789+/-888.207 χ^2/NDF:38.1/35

All: -33.294+/-663.757 χ^2/NDF: 63.4/67


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4656.788+/-0.932 χ²/NDF:1532527.8/16
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 5053.870+/-1.005 χ²/NDF:966796.8/15
Left: 4840.359+/-0.683 χ²/NDF: 2583297.4/32
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4331.319+/-0.706 χ²/NDF:2933927.7/31
Out: 3791.299+/-0.628 χ²/NDF:4952865.6/35
All: 4029.741+/-0.469 χ²/NDF: 8213227.2/67



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1342.516+/-1311.112 χ^2/NDF:20.2/16

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1561.721+/-1407.050 χ^2/NDF:9.7/15

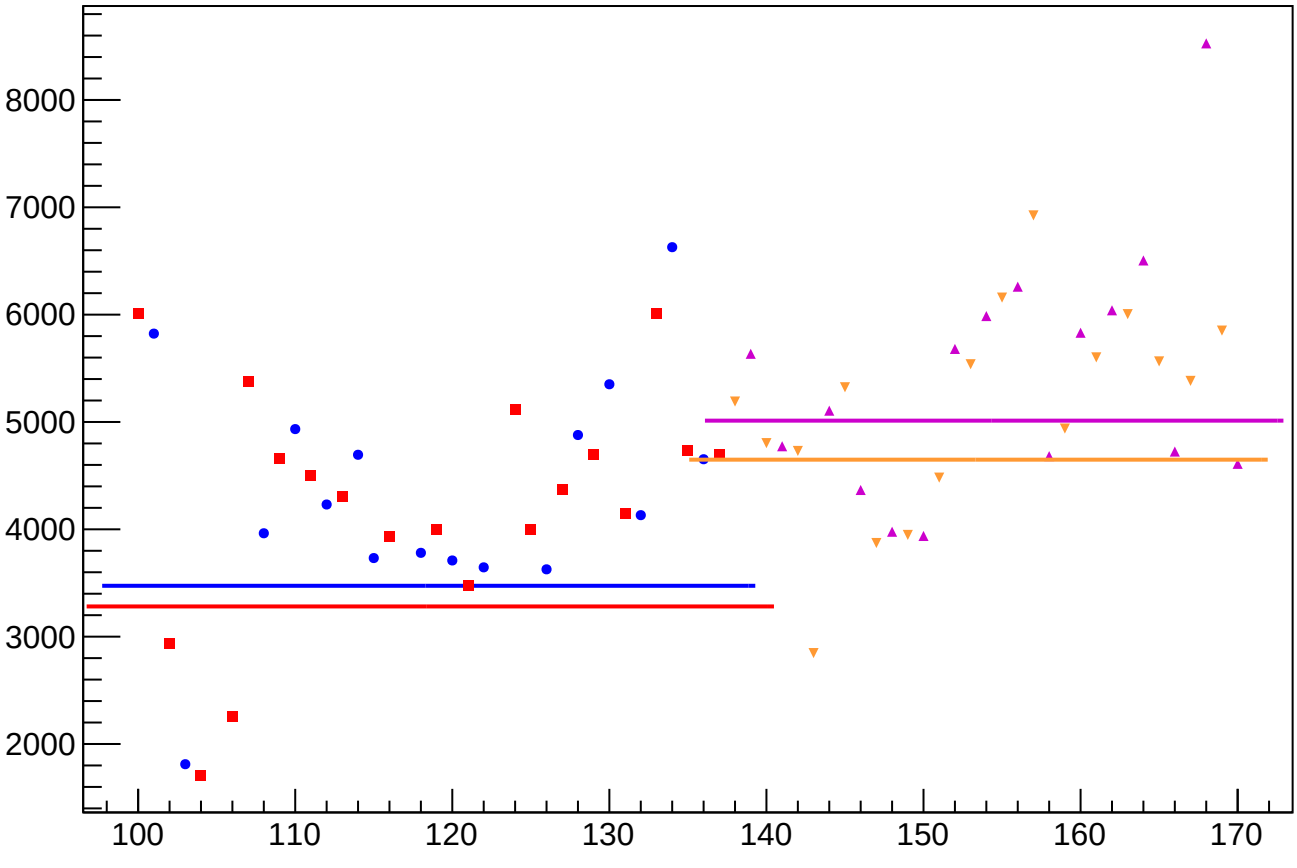
Left: 1444.392+/-959.221 χ^2/NDF: 29.9/32

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2178.977+/-988.649 χ^2/NDF:23.3/31

Out: 1470.027+/-936.121 χ^2/NDF:37.0/35

All: 1805.168+/-679.749 χ^2/NDF: 60.5/67



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4648.904+/-0.927 χ^2/NDF:1400523.8/16

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5012.439+/-0.995 χ^2/NDF:906497.6/15

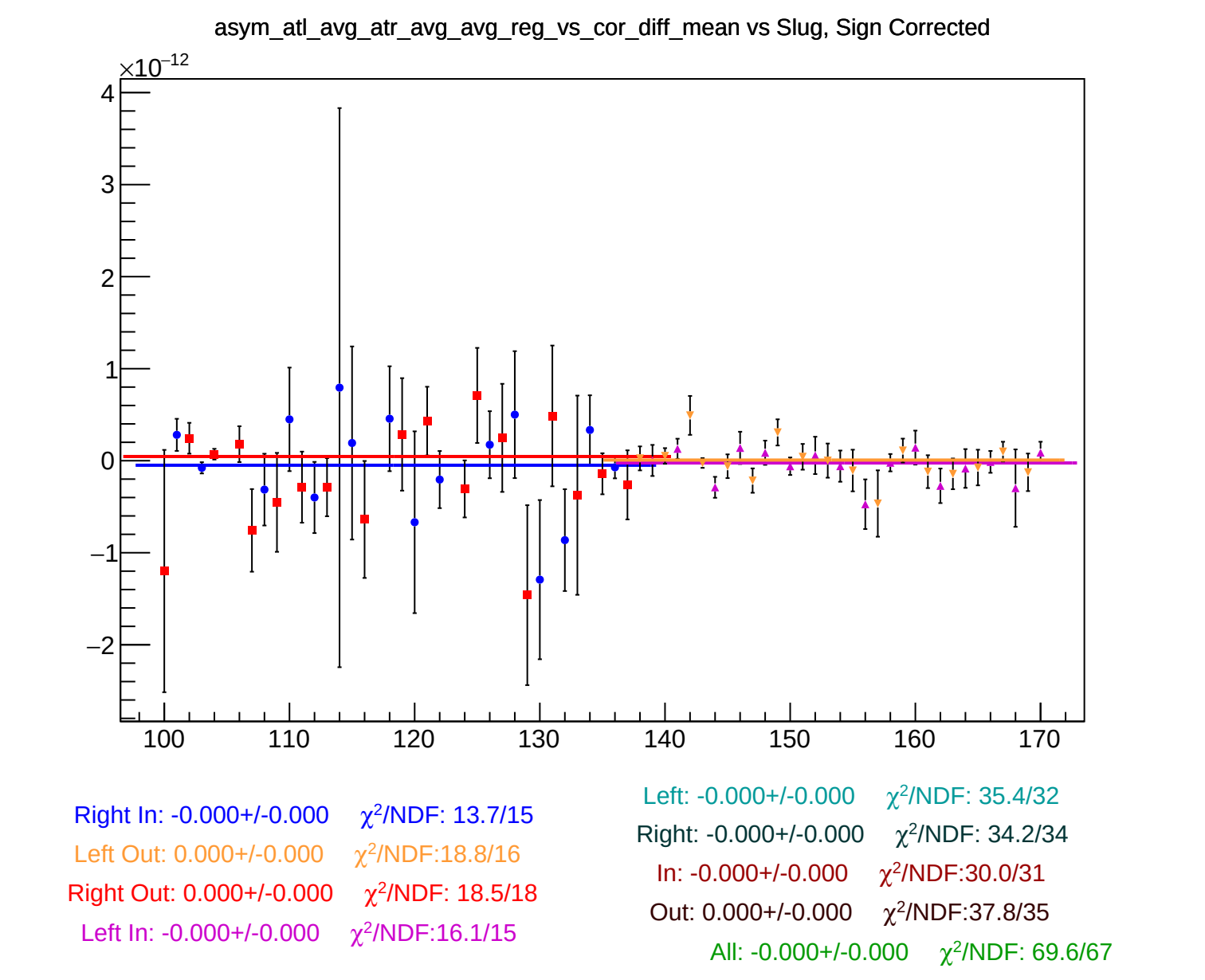
Left: 4817.856+/-0.678 χ^2/NDF: 2378481.2/32

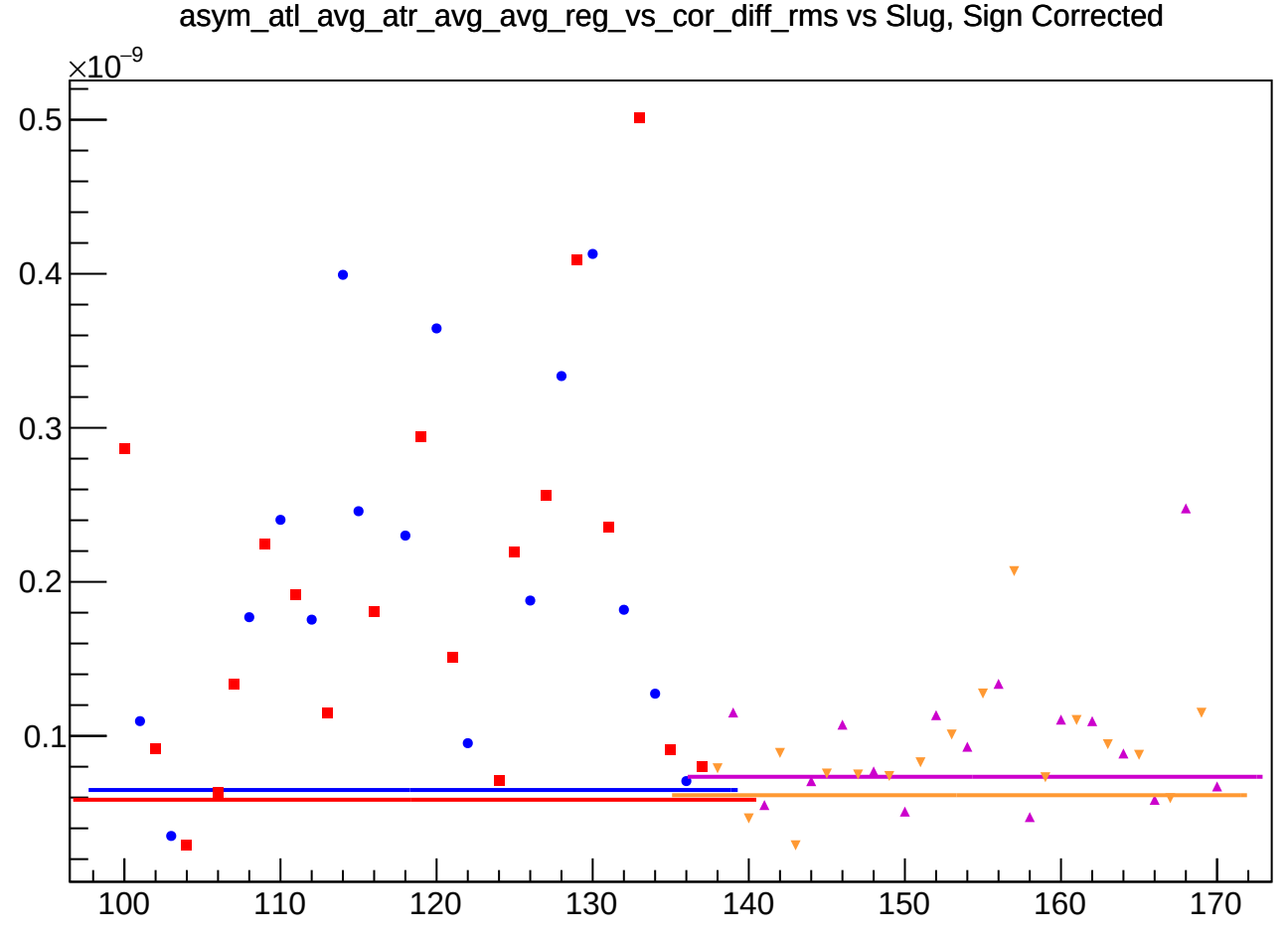
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4233.474+/-0.699 χ^2/NDF:3961165.7/31

Out: 3969.160+/-0.657 χ^2/NDF:4357450.0/35

All: 4093.215+/-0.479 χ^2/NDF: 8394473.4/67


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.1/15
Left: -0.000+/-0.000 χ²/NDF: 35.4/32
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.0/31
Out: 0.000+/-0.000 χ²/NDF:37.8/35
All: -0.000+/-0.000 χ²/NDF: 69.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2000714.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1272588.9/15

Left: 0.000+/-0.000 χ^2/NDF: 3407642.9/32

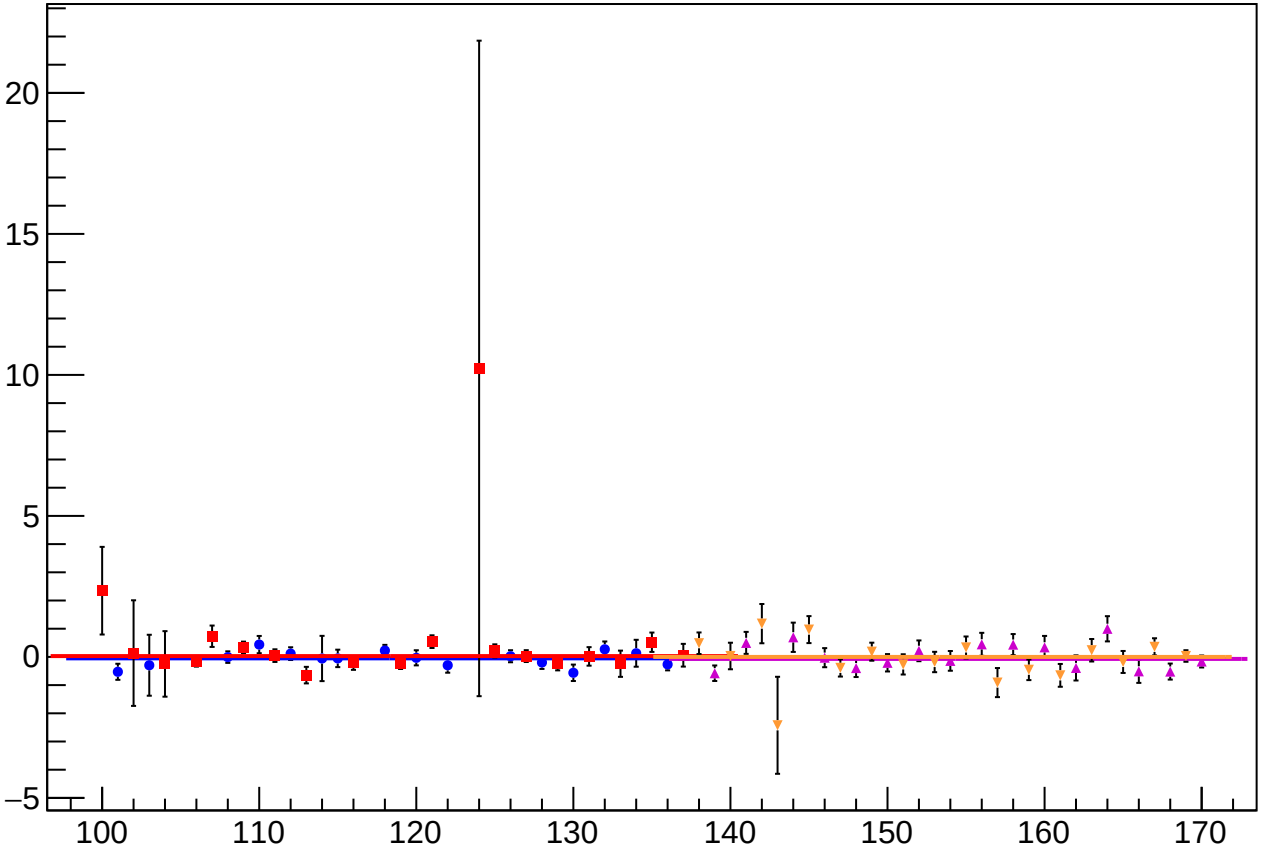
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3906521.7/31

Out: 0.000+/-0.000 χ^2/NDF:4861286.1/35

All: 0.000+/-0.000 χ^2/NDF: 8901366.1/67

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: -0.001+/-0.089 χ^2/NDF:23.3/16

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.038+/-0.062 χ^2/NDF: 47.8/32

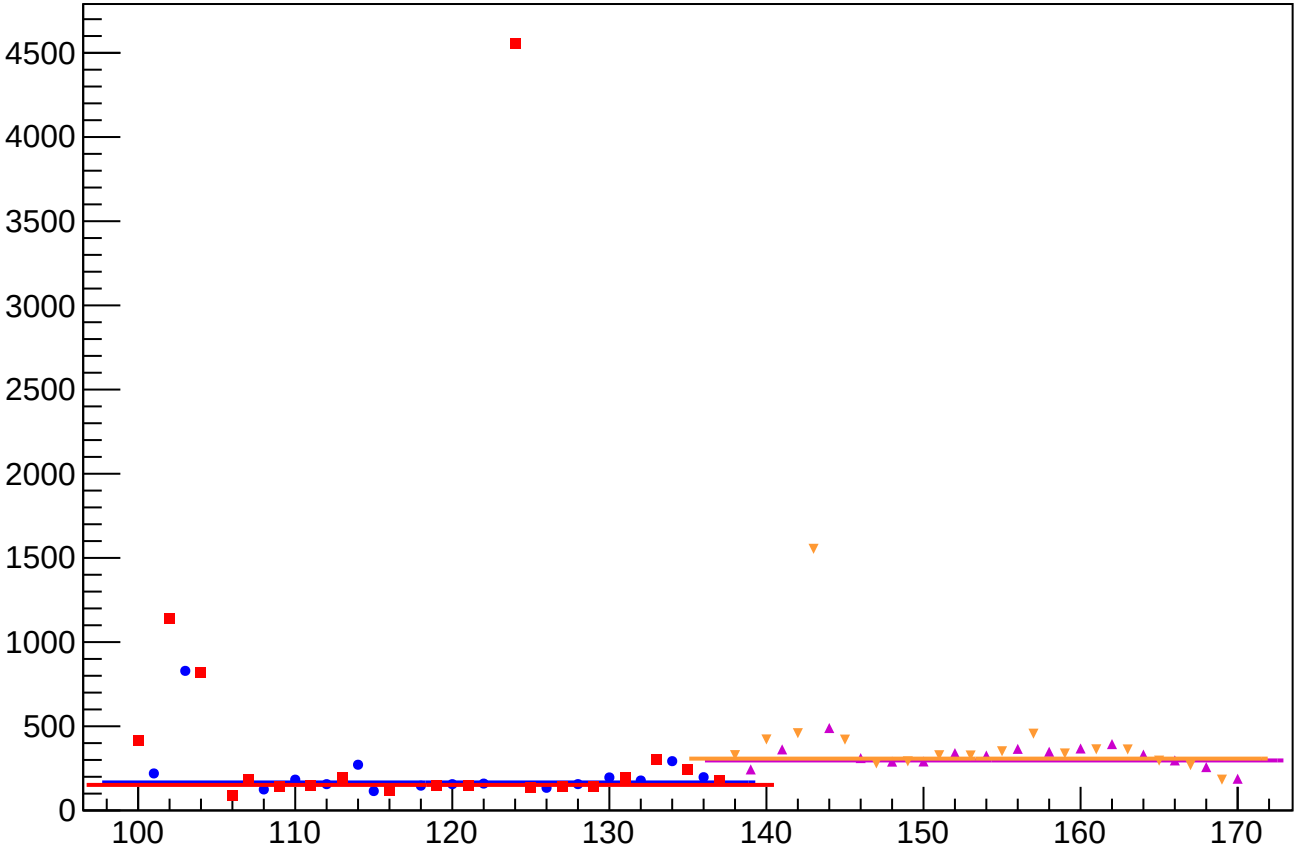
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: 0.019+/-0.052 χ^2/NDF:50.9/35

All: -0.020+/-0.037 χ^2/NDF: 91.0/67

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: 307.894+/-0.063 χ^2/NDF:2465840.3/16

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 297.047+/-0.060 χ^2/NDF:1278508.3/15

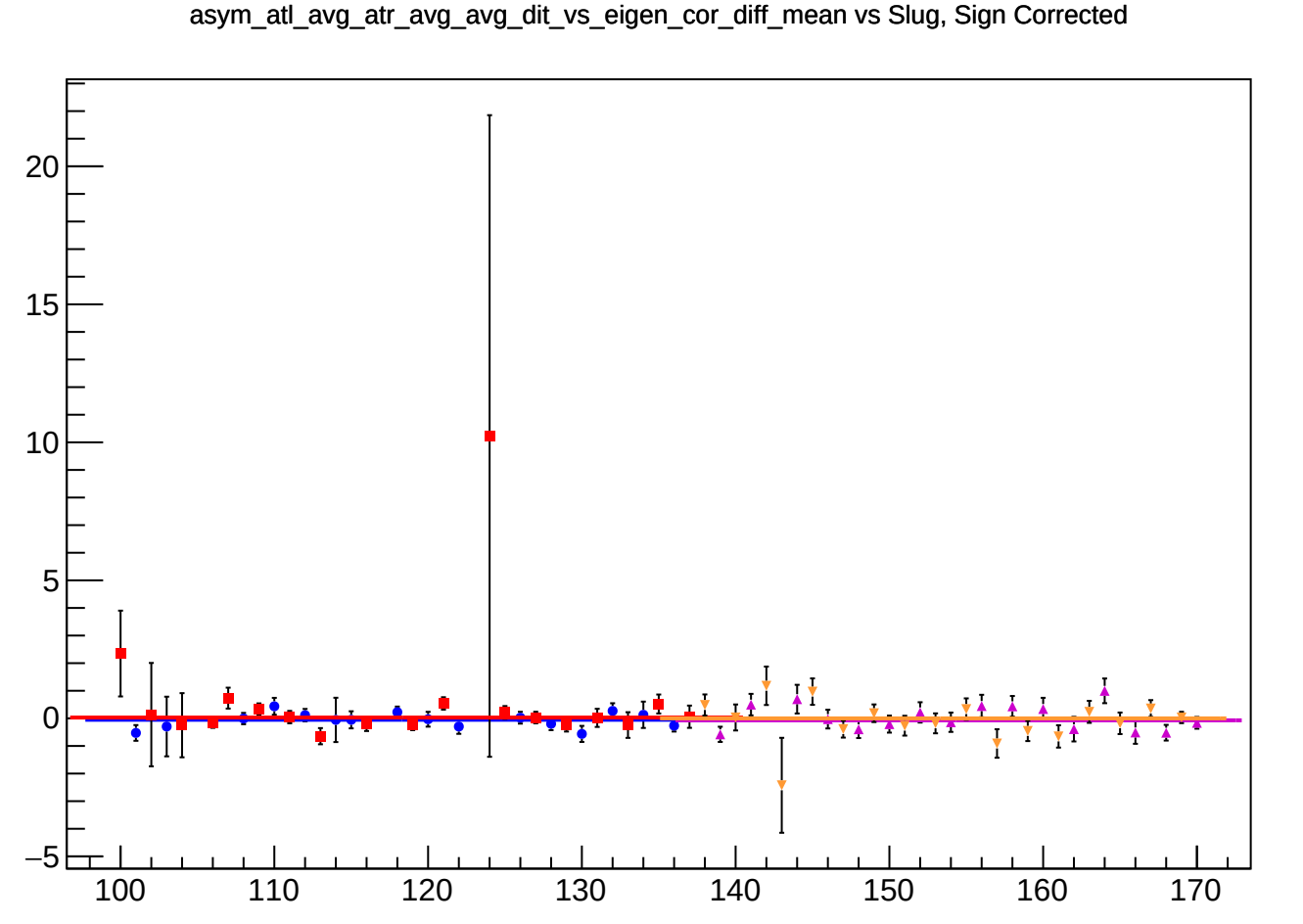
Left: 302.209+/-0.044 χ^2/NDF: 3759792.7/32

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.077+/-0.037 χ^2/NDF:5479684.4/31

Out: 204.739+/-0.037 χ^2/NDF:8814465.6/35

All: 210.356+/-0.026 χ^2/NDF: 14341172.7/67



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.001+/-0.089 χ^2/NDF:23.3/16

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.038+/-0.062 χ^2/NDF: 47.8/32

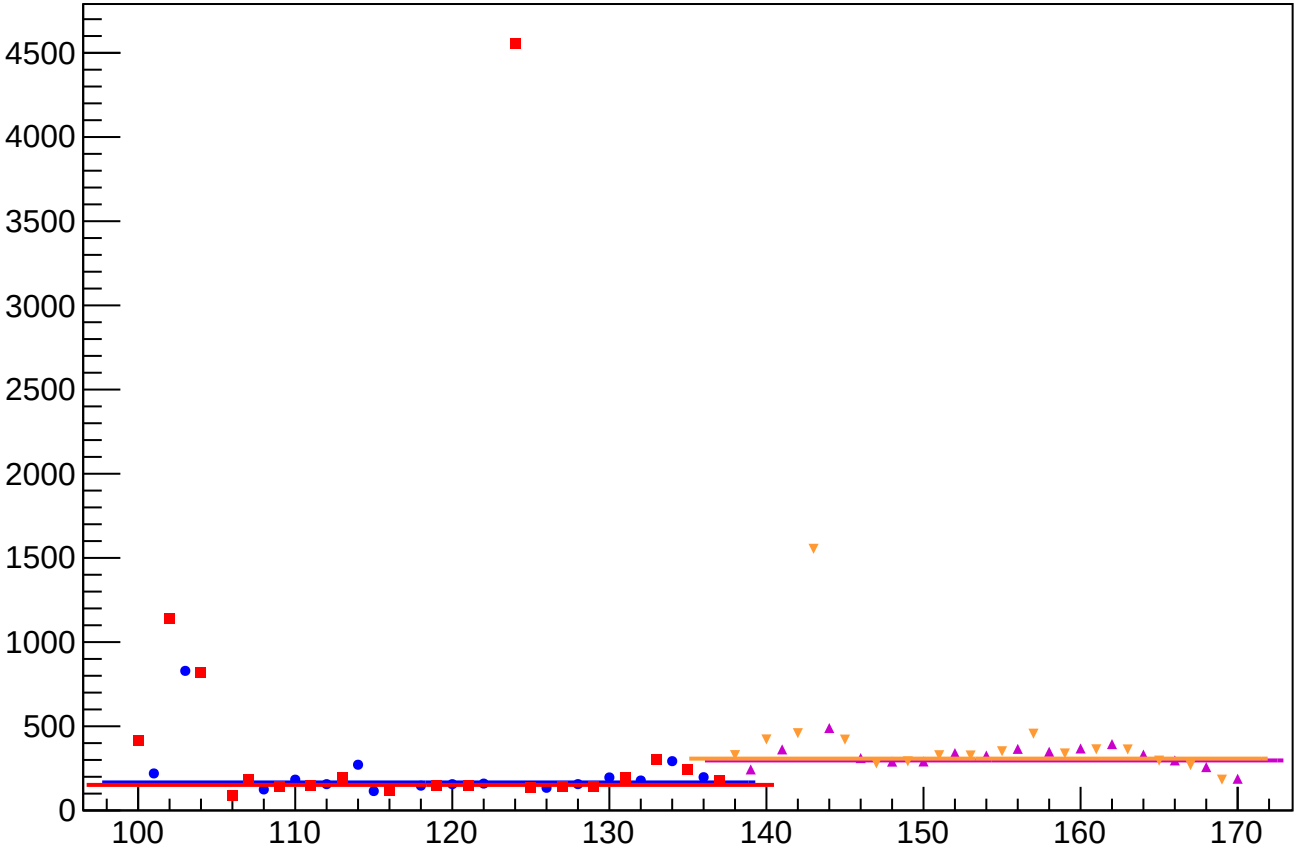
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: 0.019+/-0.052 χ^2/NDF:50.9/35

All: -0.020+/-0.037 χ^2/NDF: 91.0/67

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: 307.894+/-0.063 χ^2/NDF:2465840.3/16

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 297.047+/-0.060 χ^2/NDF:1278508.3/15

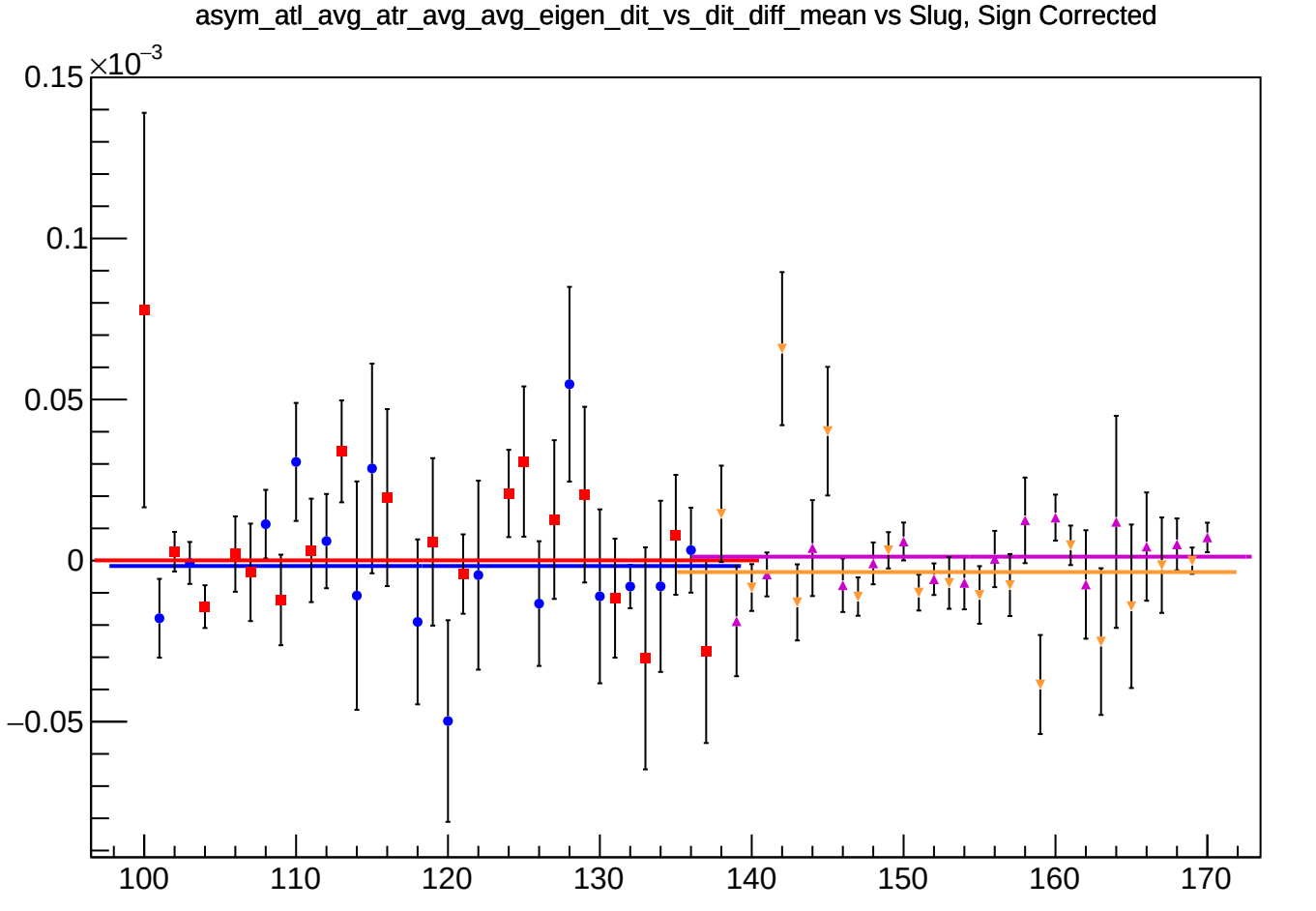
Left: 302.209+/-0.044 χ^2/NDF: 3759792.7/32

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.077+/-0.037 χ^2/NDF:5479684.4/31

Out: 204.739+/-0.037 χ^2/NDF:8814465.6/35

All: 210.356+/-0.026 χ^2/NDF: 14341172.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/15

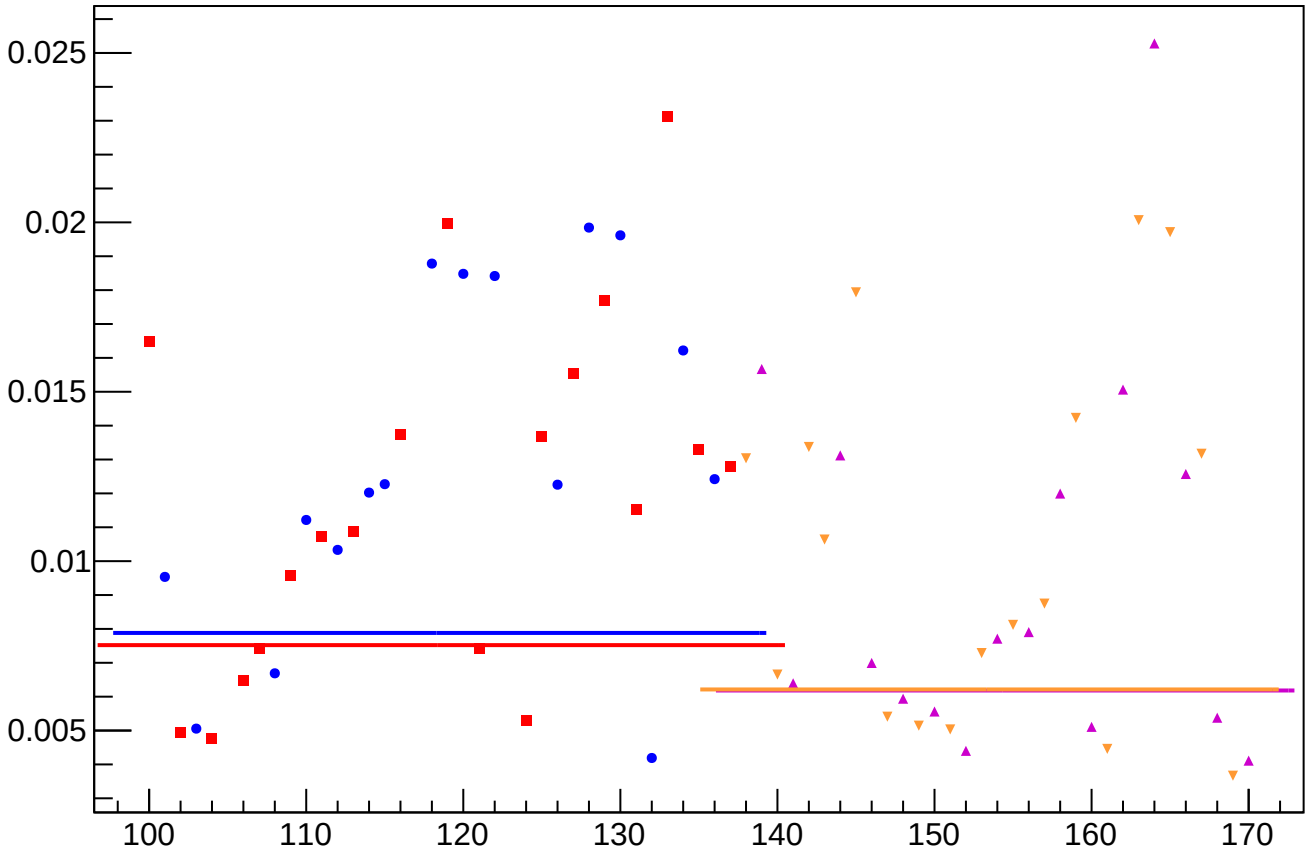
Left: -0.000+/-0.000 χ^2/NDF: 45.9/32

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:28.9/31

Out: -0.000+/-0.000 χ^2/NDF:50.9/35

All: -0.000+/-0.000 χ^2/NDF: 81.5/67



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5270250.8/16

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:3887828.6/15

Left: 0.006+/-0.000 χ^2/NDF: 9158325.0/32

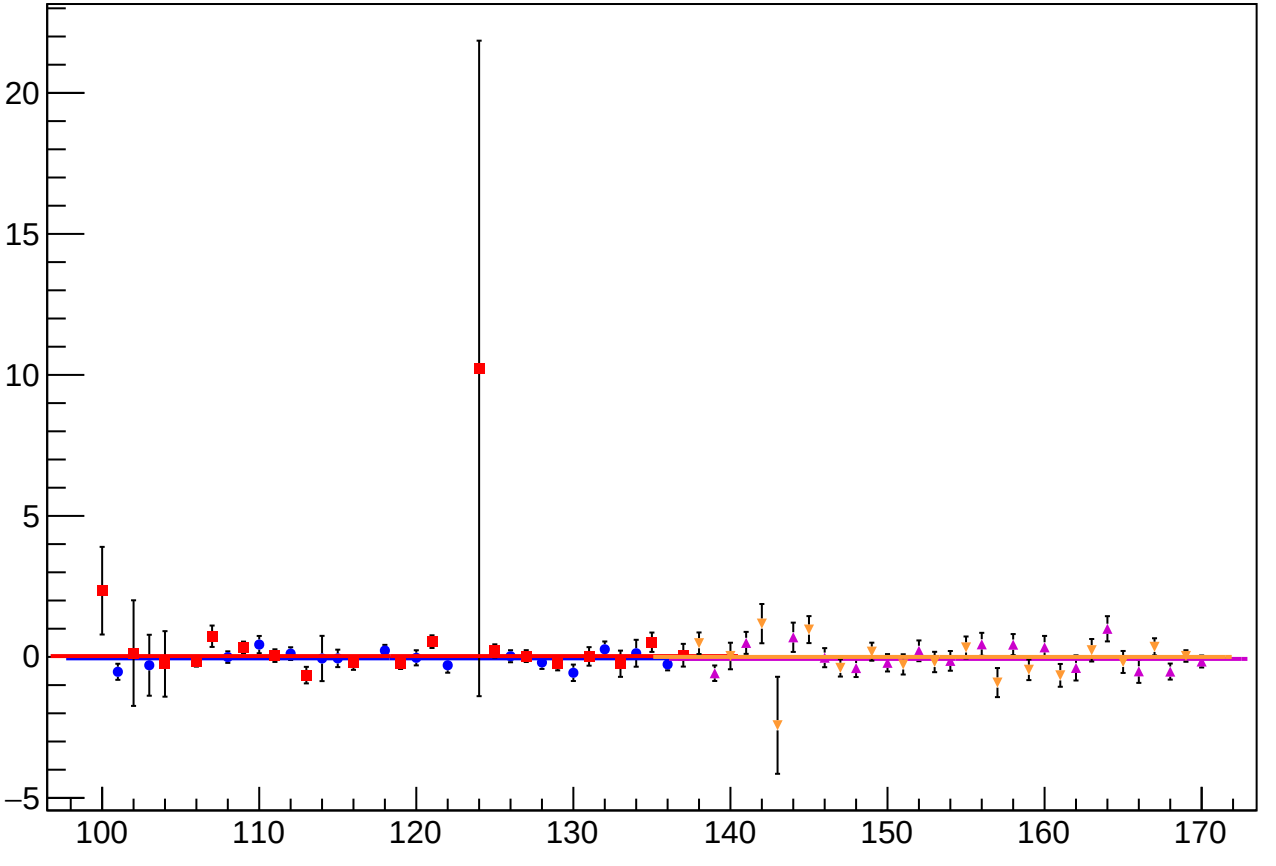
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:7565063.4/31

Out: 0.007+/-0.000 χ^2/NDF:8497006.6/35

All: 0.007+/-0.000 χ^2/NDF: 16062335.0/67

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: -0.001+/-0.089 χ^2/NDF:23.3/16

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.038+/-0.062 χ^2/NDF: 47.8/32

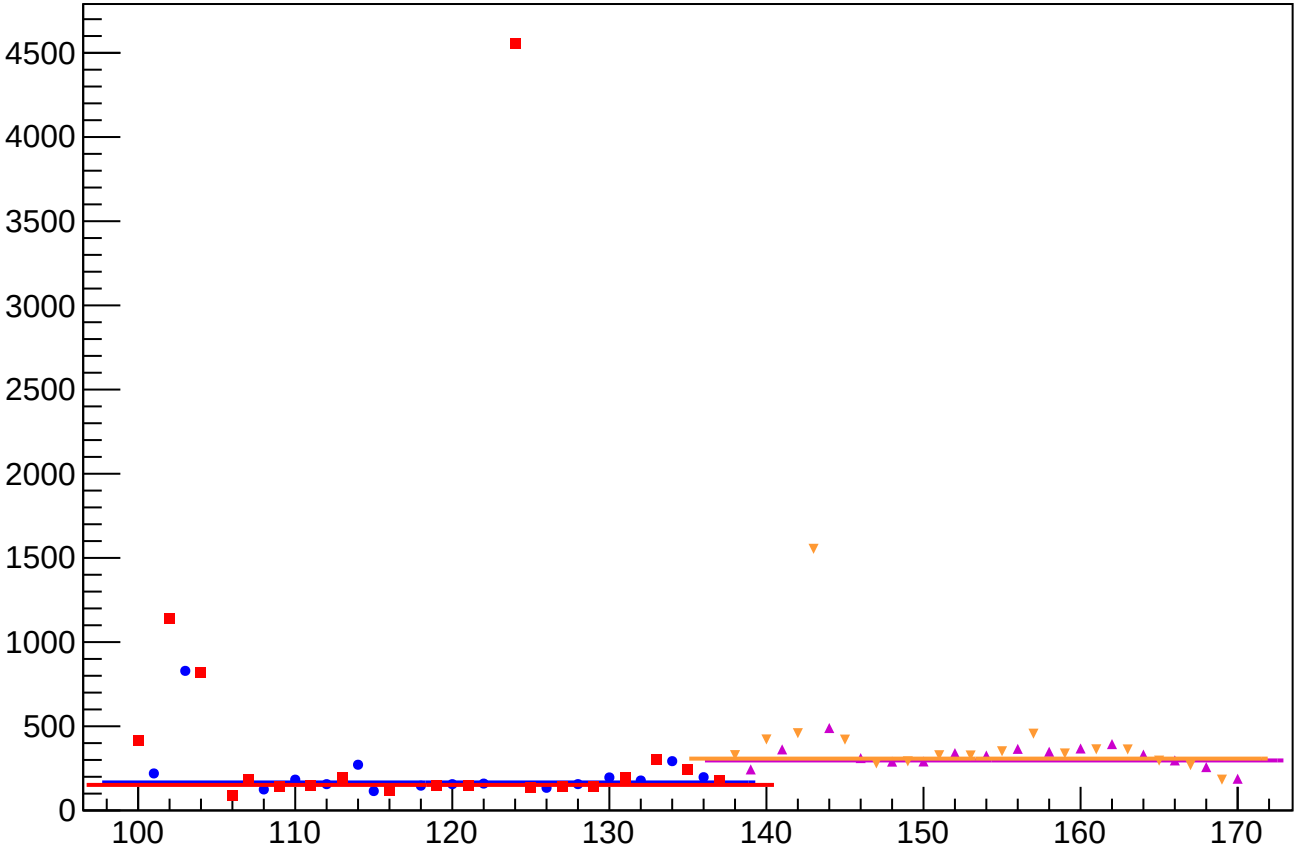
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: 0.019+/-0.052 χ^2/NDF:50.9/35

All: -0.020+/-0.037 χ^2/NDF: 91.0/67

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: 307.897+/-0.063 χ^2/NDF:2465900.8/16

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 297.050+/-0.060 χ^2/NDF:1278542.0/15

Left: 302.212+/-0.044 χ^2/NDF: 3759885.2/32

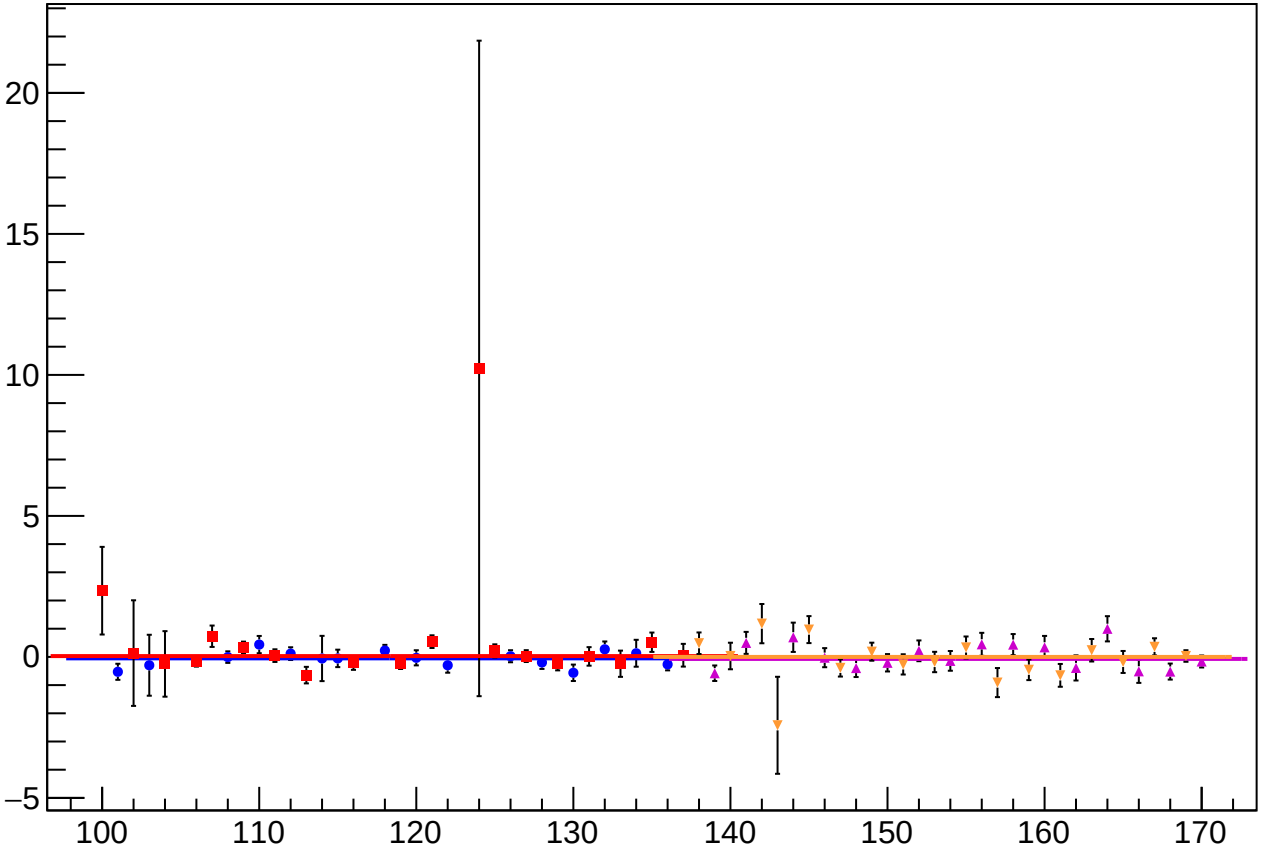
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.077+/-0.037 χ^2/NDF:5479874.2/31

Out: 204.738+/-0.037 χ^2/NDF:8814725.1/35

All: 210.356+/-0.026 χ^2/NDF: 14341630.3/67

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: -0.001+/-0.089 χ^2/NDF:23.3/16

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.038+/-0.062 χ^2/NDF: 47.8/32

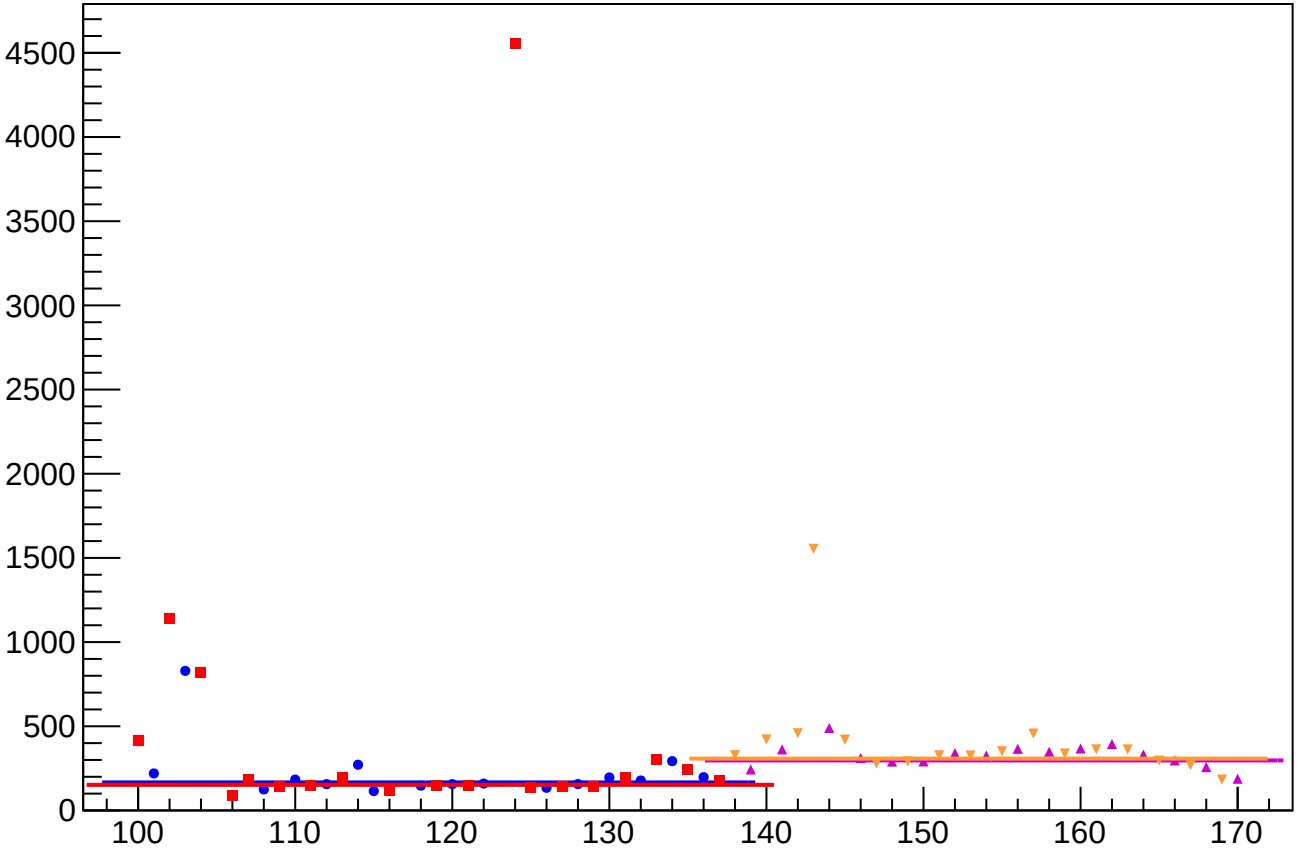
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: 0.019+/-0.052 χ^2/NDF:50.9/35

All: -0.020+/-0.037 χ^2/NDF: 91.0/67

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: 307.897+/-0.063 χ^2/NDF:2465900.8/16

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 297.050+/-0.060 χ^2/NDF:1278542.0/15

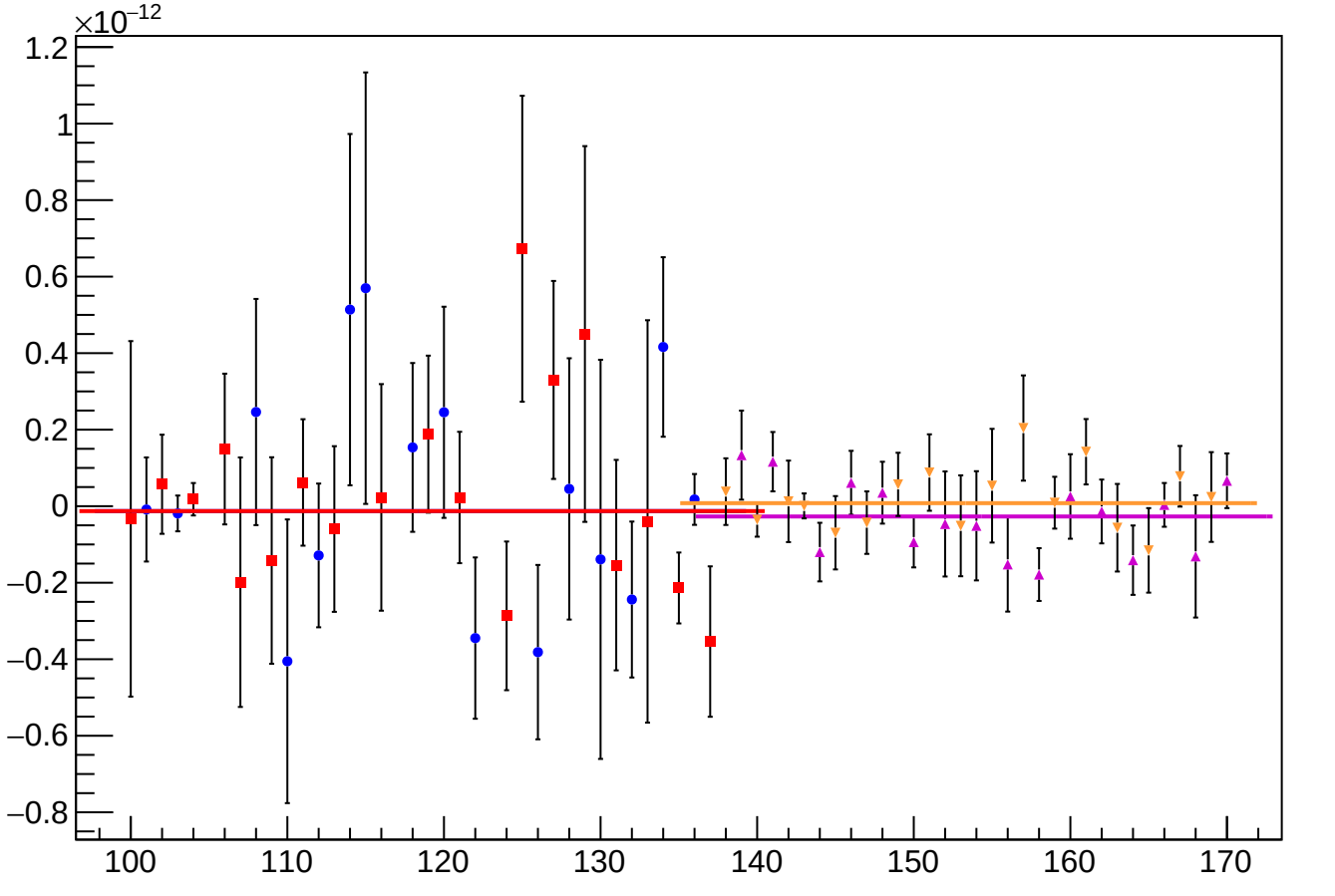
Left: 302.212+/-0.044 χ^2/NDF: 3759885.2/32

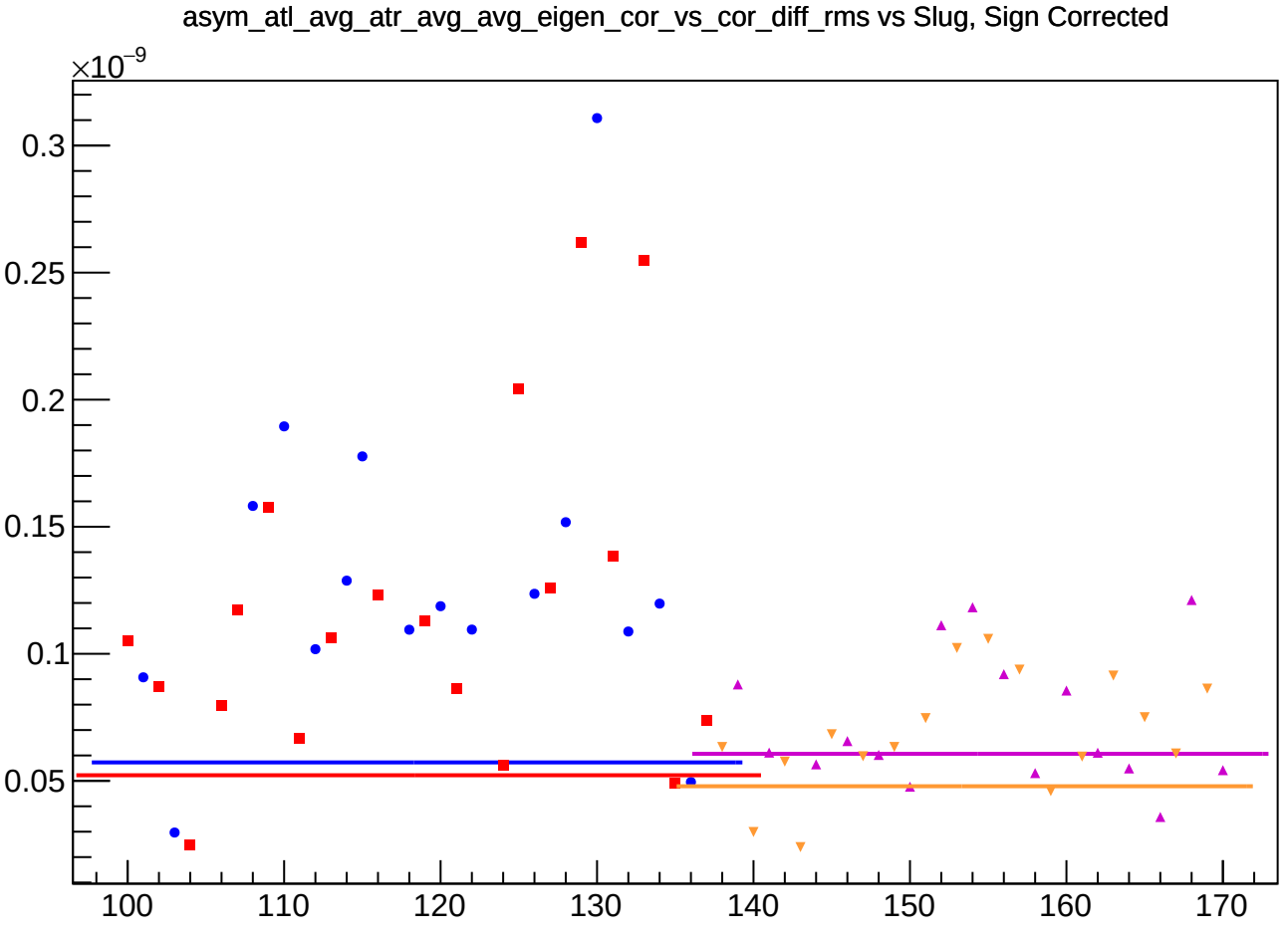
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

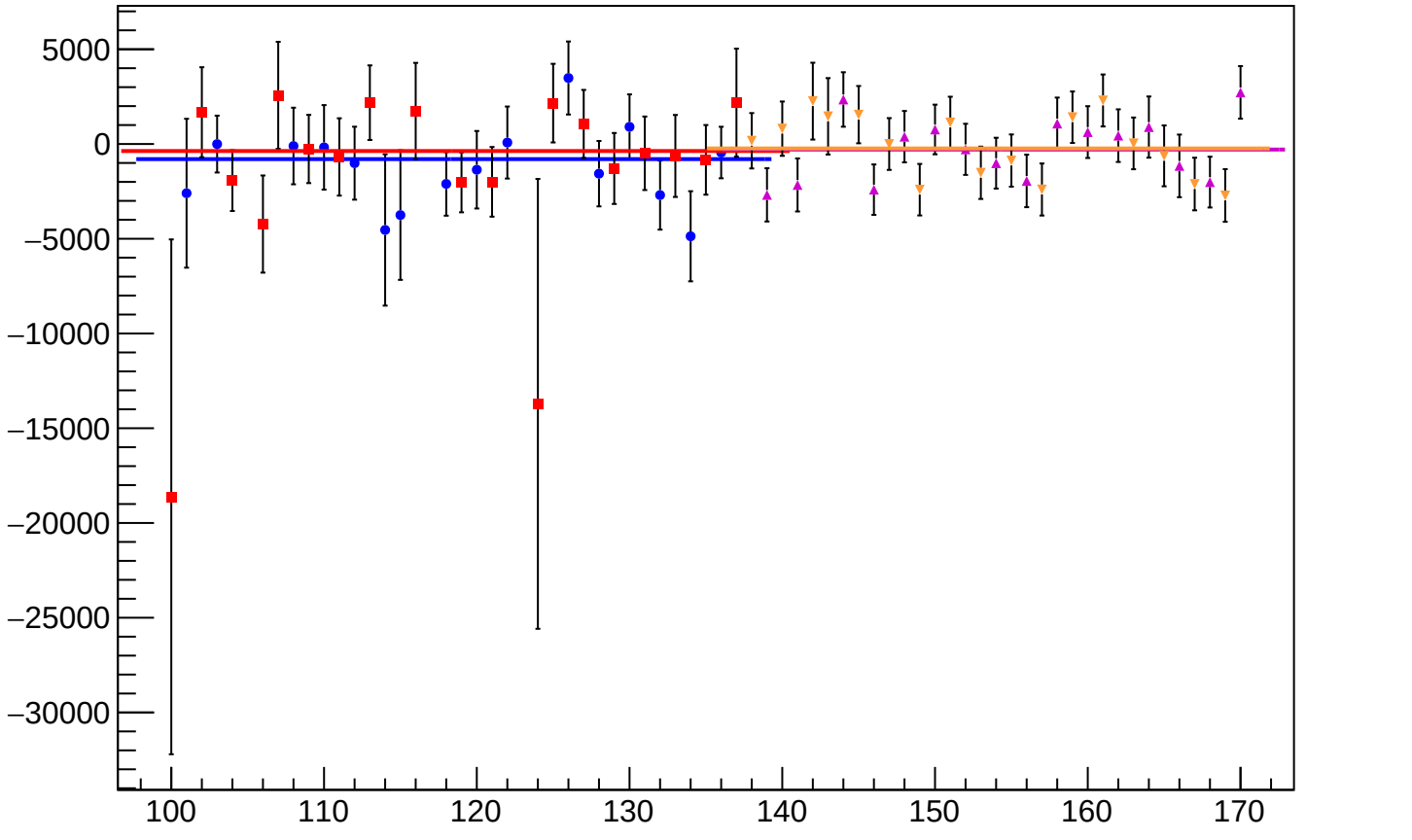
In: 216.077+/-0.037 χ^2/NDF:5479874.2/31

Out: 204.738+/-0.037 χ^2/NDF:8814725.1/35

All: 210.356+/-0.026 χ^2/NDF: 14341630.3/67


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/16
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:19.7/15
Left: -0.000+/-0.000 χ²/NDF: 31.6/32
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:35.9/31
Out: 0.000+/-0.000 χ²/NDF:29.5/35
All: -0.000+/-0.000 χ²/NDF: 66.6/67


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3415109.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1741040.1/15
Left: 0.000+/-0.000 χ²/NDF: 5573535.3/32
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4739027.1/31
Out: 0.000+/-0.000 χ²/NDF:6731340.6/35
All: 0.000+/-0.000 χ²/NDF: 11874688.5/67



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -233.732+/-351.019 χ^2/NDF:21.4/16

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -292.459+/-348.528 χ^2/NDF:22.1/15

Left: -263.305+/-247.322 χ^2/NDF: 43.5/32

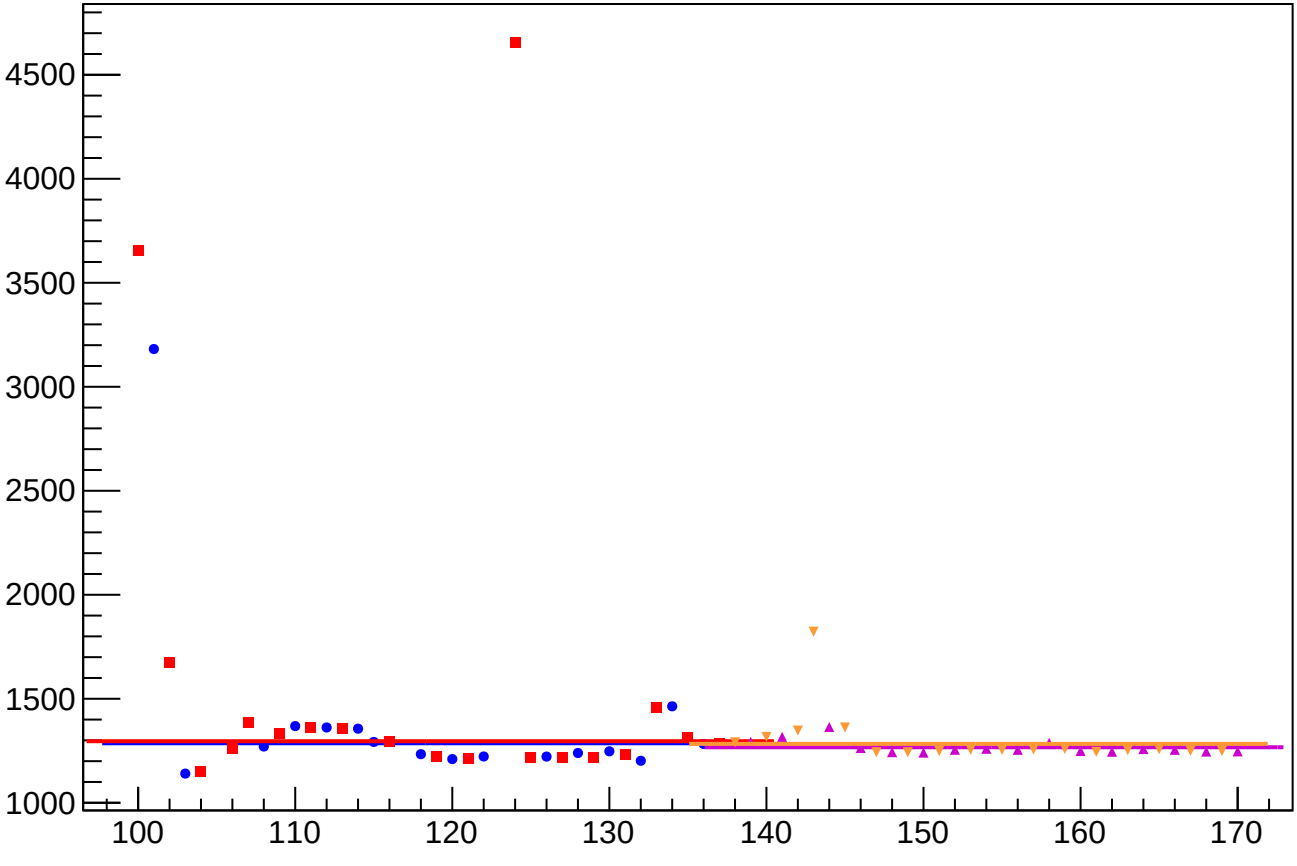
Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -463.233+/-283.513 χ^2/NDF:36.3/31

Out: -280.474+/-284.523 χ^2/NDF:37.1/35

All: -372.178+/-200.830 χ^2/NDF: 73.5/67

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

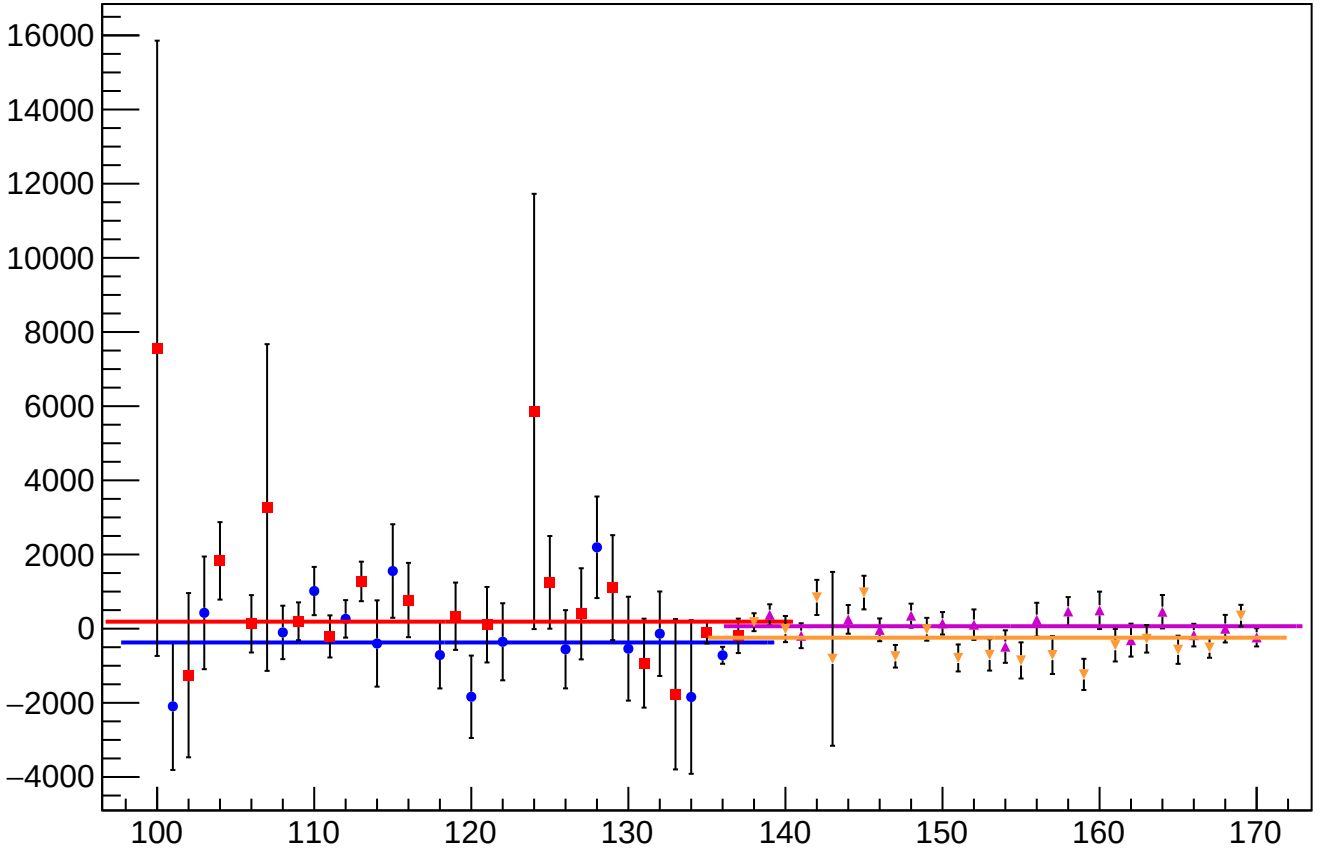
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1273.395+/-0.200 χ^2/NDF:536690.5/31

Out: 1287.607+/-0.201 χ^2/NDF:493767.1/35

All: 1280.476+/-0.142 χ^2/NDF: 1032961.3/67

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: -243.696+/-88.603 χ^2/NDF:36.7/16

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 65.682+/-87.584 χ^2/NDF:10.1/15

Left: -87.219+/-62.288 χ^2/NDF: 53.0/32

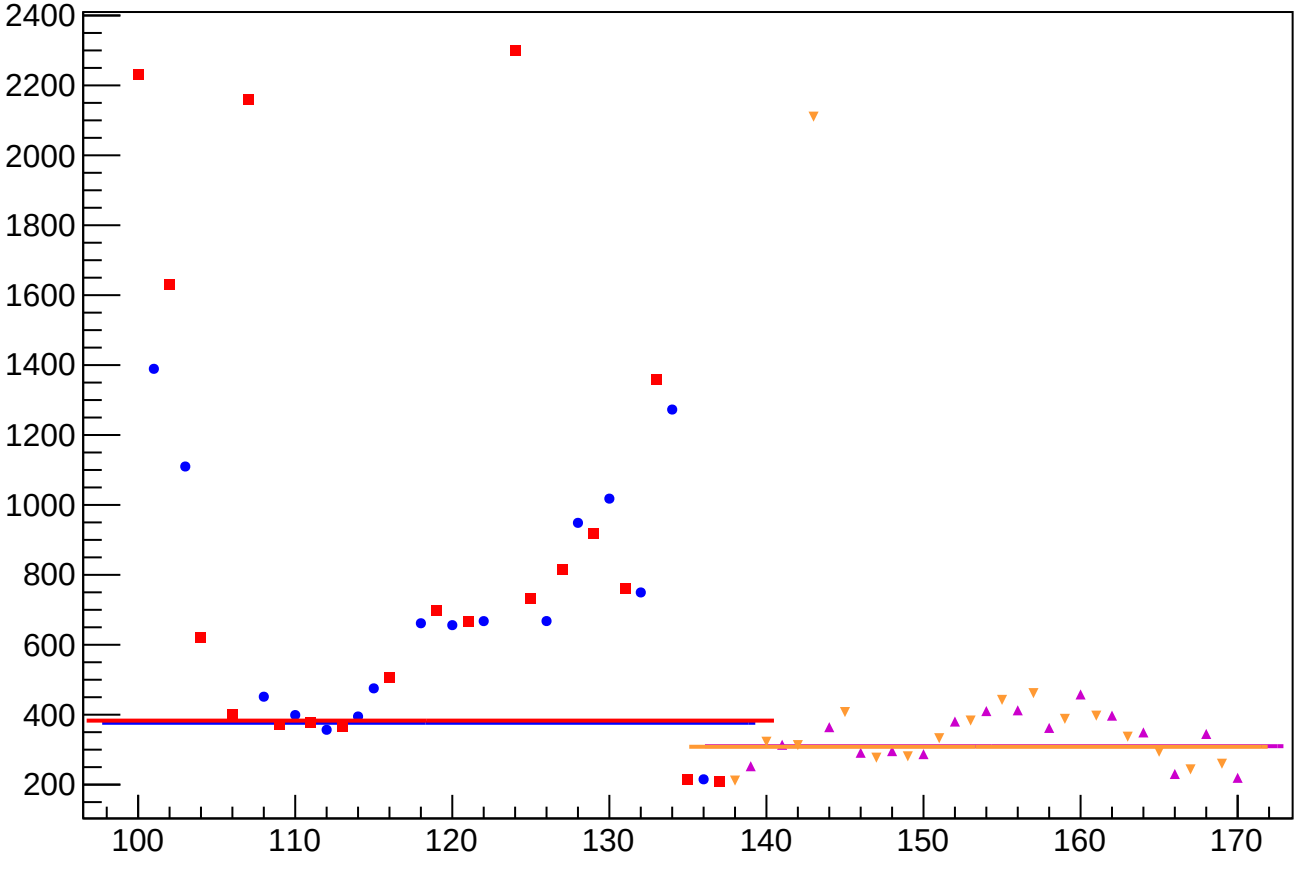
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -27.745+/-77.684 χ^2/NDF:33.6/31

Out: -150.914+/-78.529 χ^2/NDF:56.5/35

All: -88.663+/-55.227 χ^2/NDF: 91.3/67

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: 308.292+/-0.063 χ^2/NDF:2378878.5/16

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 309.914+/-0.062 χ^2/NDF:1138157.2/15

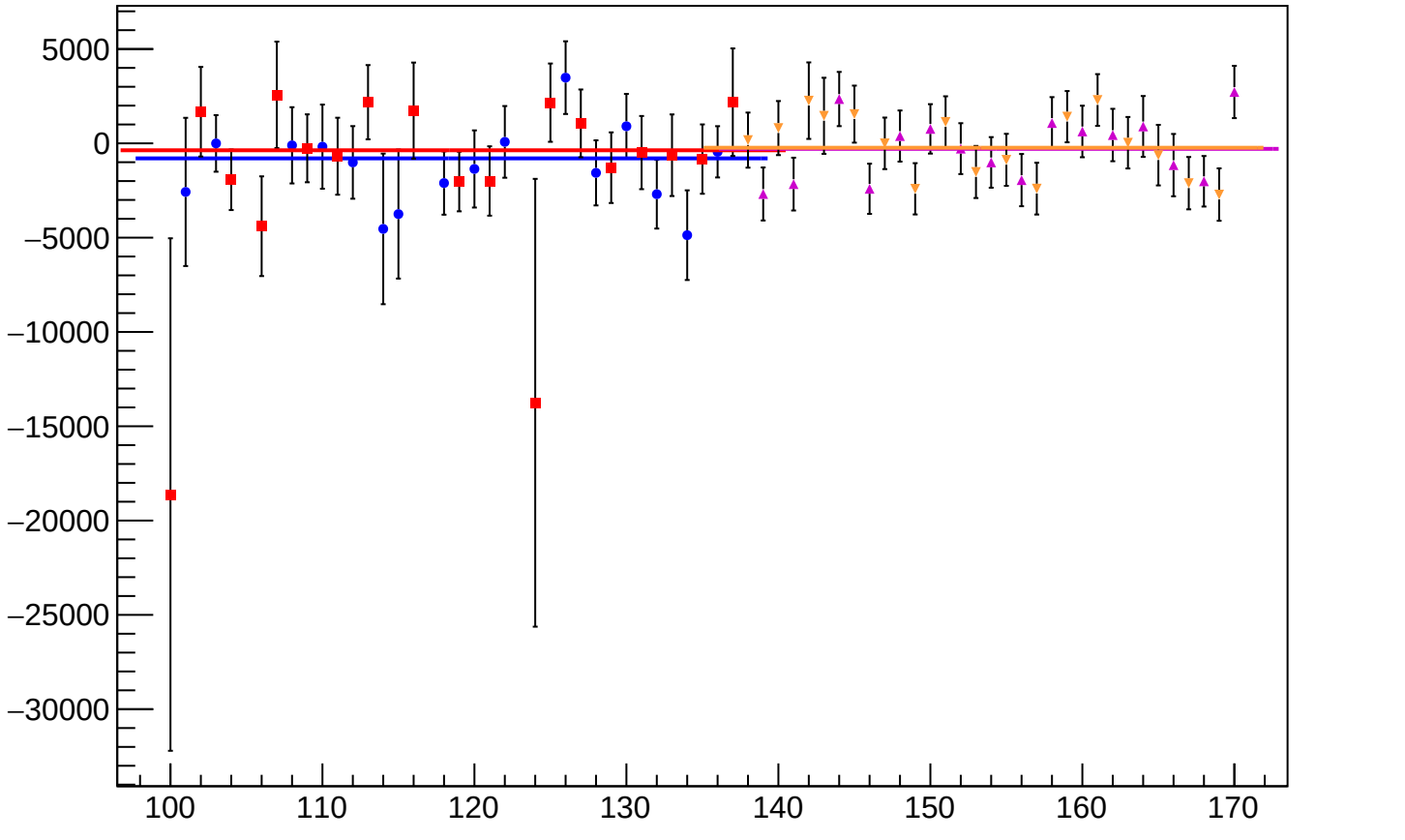
Left: 309.112+/-0.044 χ^2/NDF: 3517374.6/32

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 324.200+/-0.055 χ^2/NDF:5577837.0/31

Out: 324.329+/-0.056 χ^2/NDF:6738539.6/35

All: 324.264+/-0.039 χ^2/NDF: 12316379.3/67



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -233.682+/-351.019 χ^2/NDF:21.4/16

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -292.412+/-348.528 χ^2/NDF:22.1/15

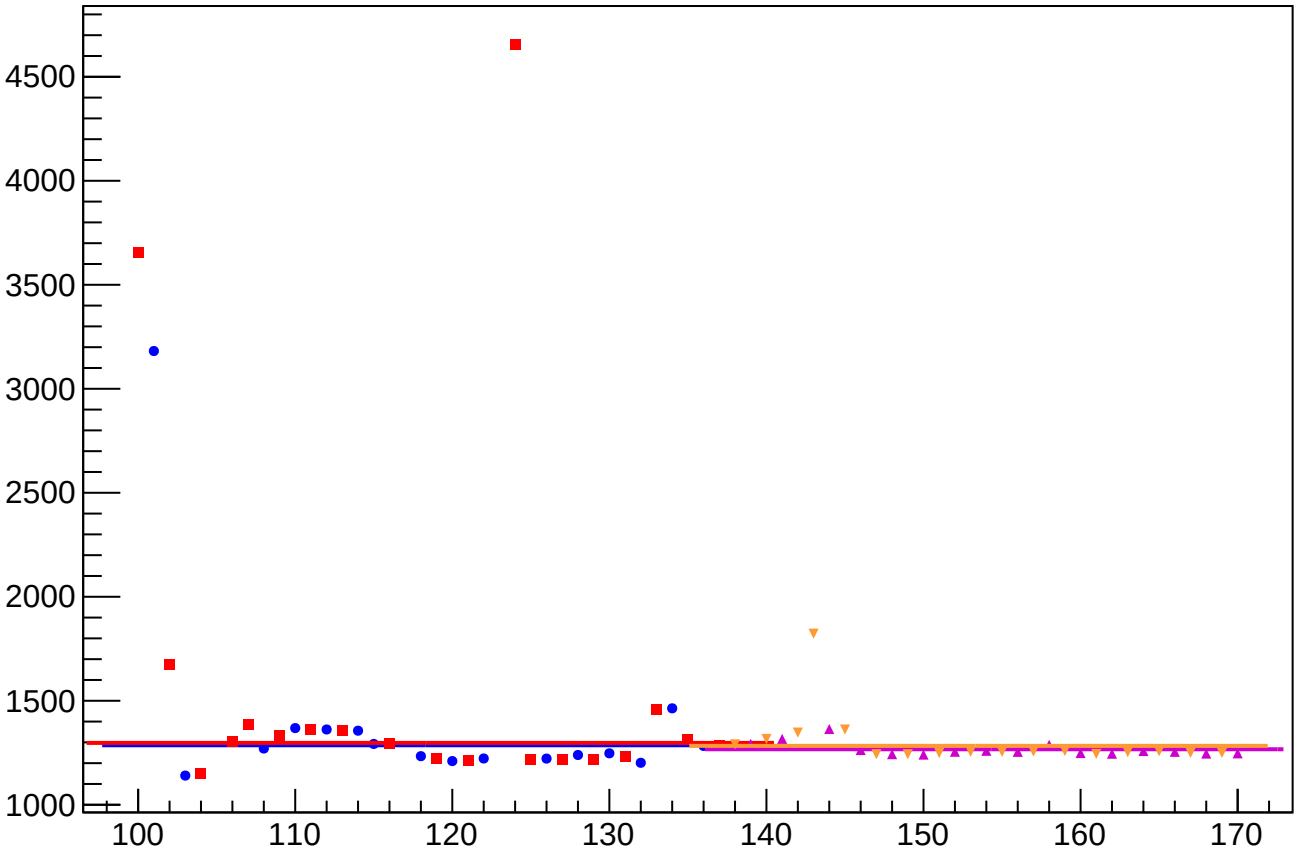
Left: -263.256+/-247.322 χ^2/NDF: 43.5/32

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -463.066+/-283.513 χ^2/NDF:36.3/31

Out: -279.507+/-284.628 χ^2/NDF:37.1/35

All: -371.647+/-200.867 χ^2/NDF: 73.6/67



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

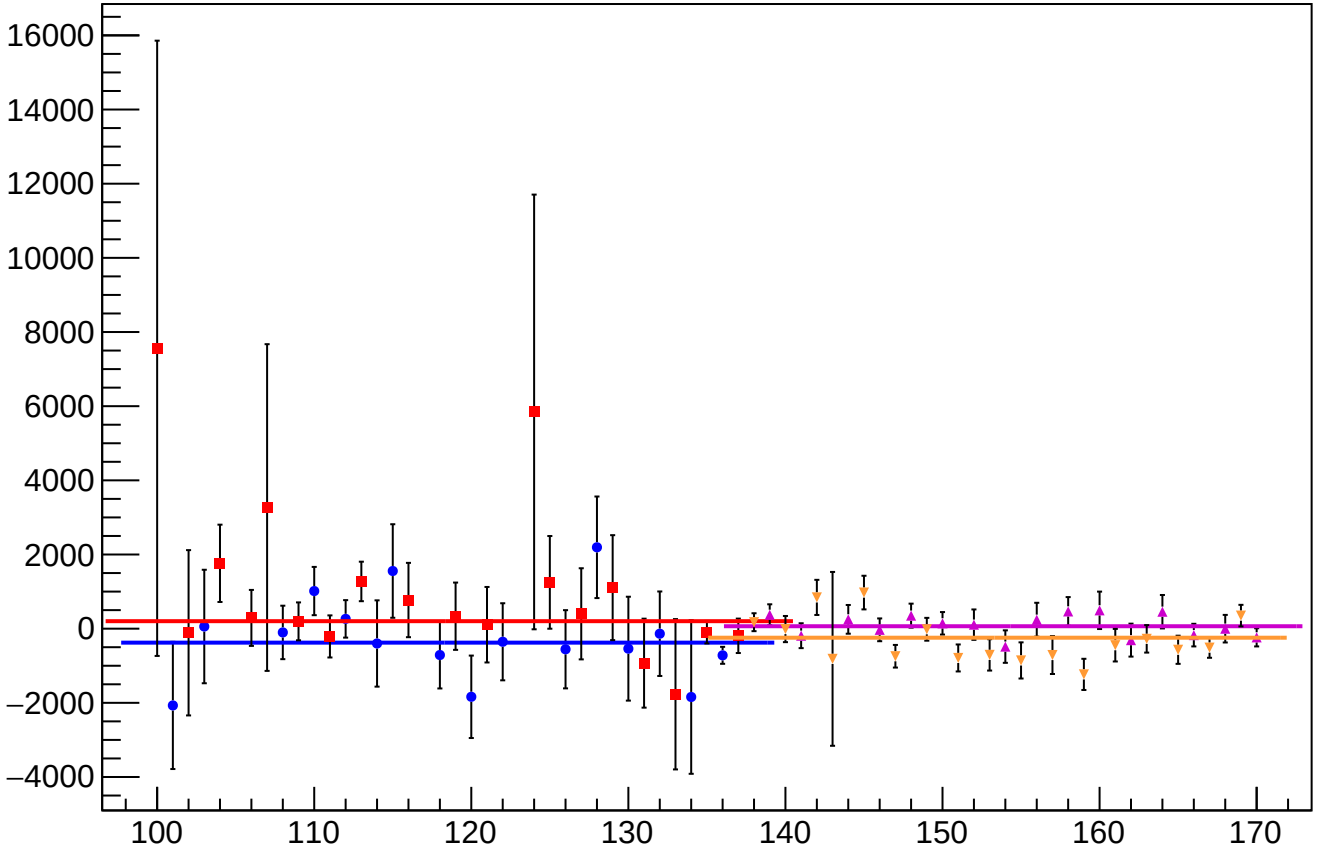
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1288.097+/-0.201 χ^2/NDF:493654.0/35

All: 1280.718+/-0.142 χ^2/NDF: 1033024.5/67

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: -243.704+/-88.605 χ^2/NDF:36.7/16

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 65.696+/-87.584 χ^2/NDF:10.1/15

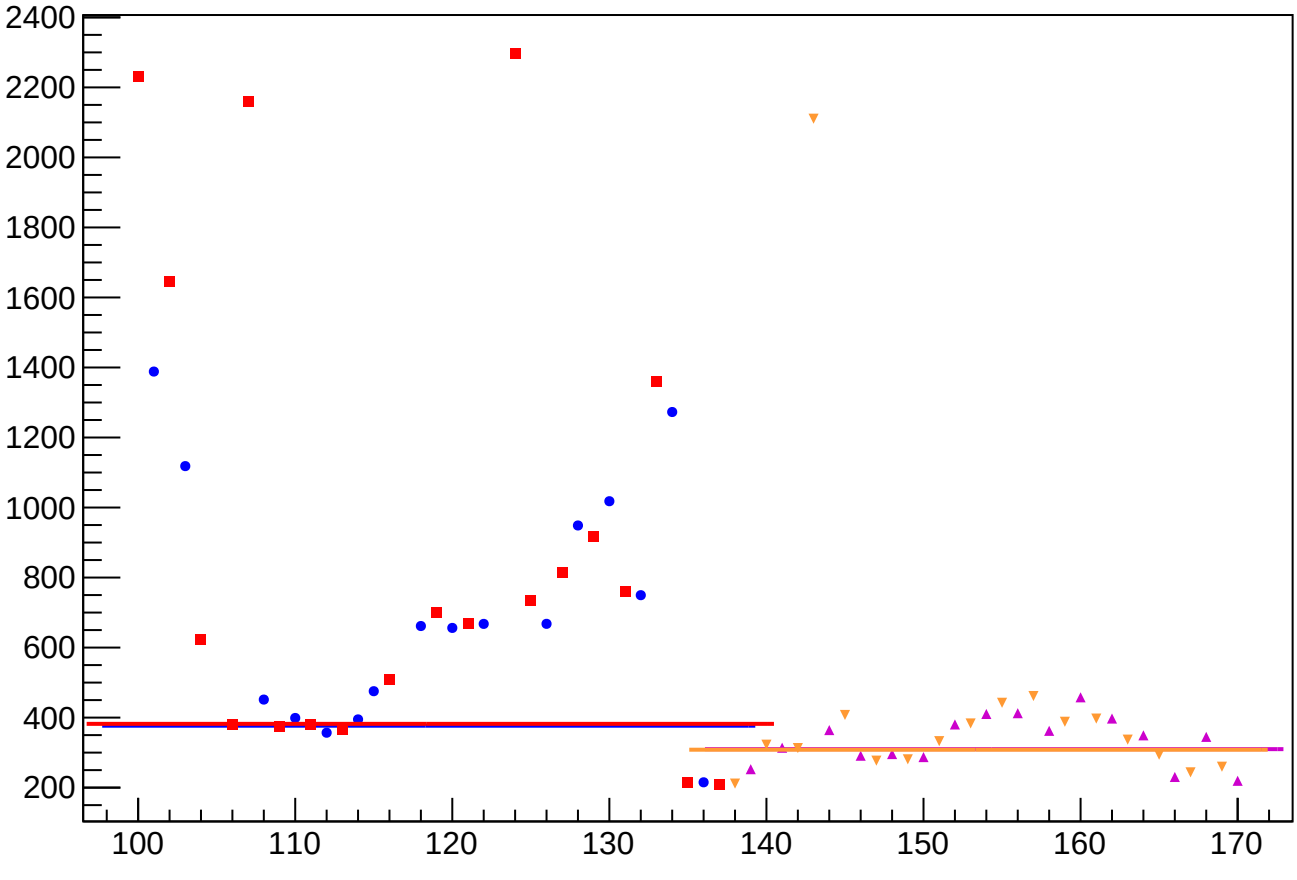
Left: -87.212+/-62.289 χ^2/NDF: 53.0/32

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -147.910+/-78.511 χ^2/NDF:56.2/35

All: -87.657+/-55.222 χ^2/NDF: 90.8/67



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 308.301+/-0.063 χ^2/NDF:2378708.2/16

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

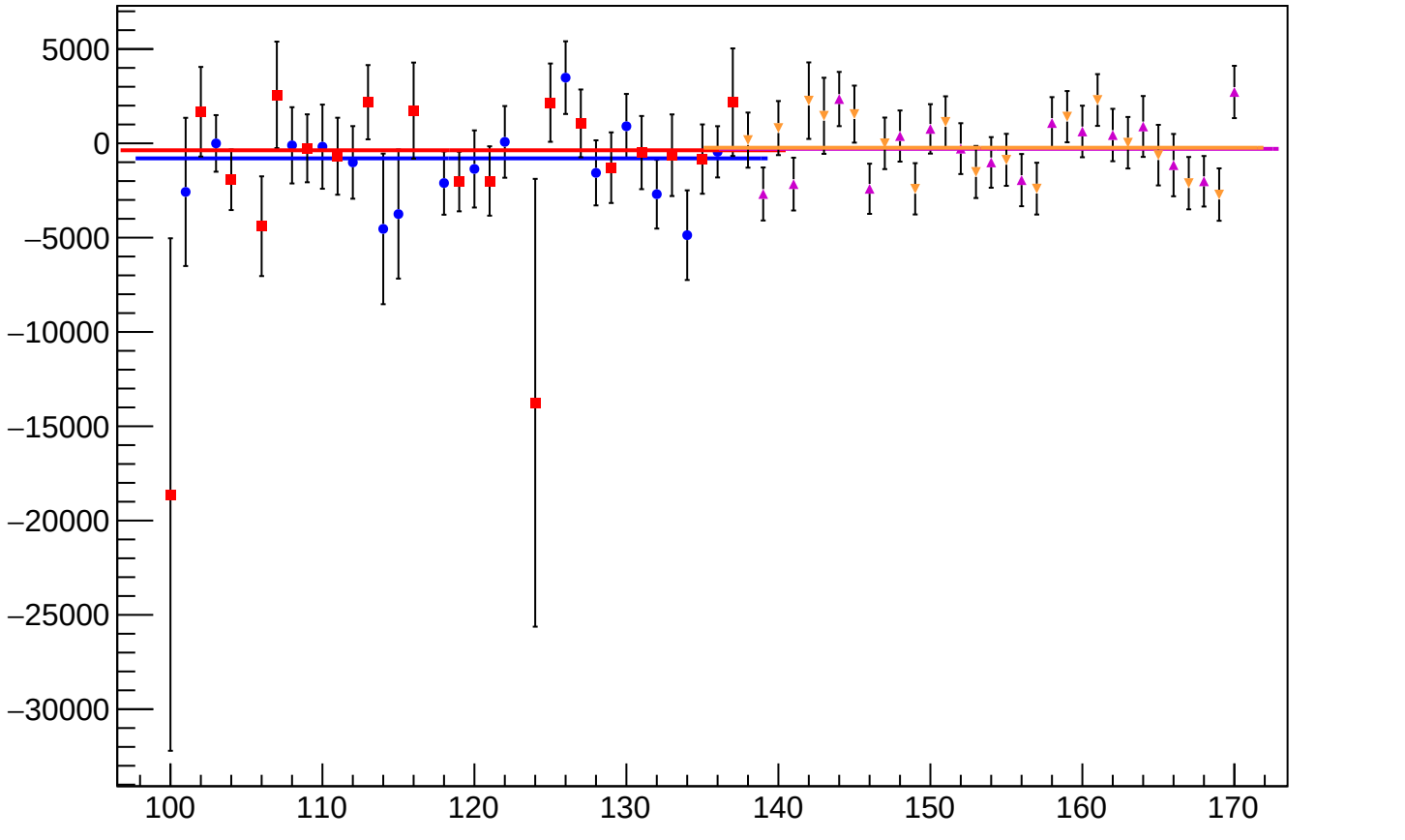
Left: 309.117+/-0.044 χ^2/NDF: 3517332.0/32

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 324.165+/-0.056 χ^2/NDF:6736701.2/35

All: 324.181+/-0.039 χ^2/NDF: 12317693.4/67



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -233.682+/-351.019 χ^2/NDF:21.4/16

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -292.412+/-348.528 χ^2/NDF:22.1/15

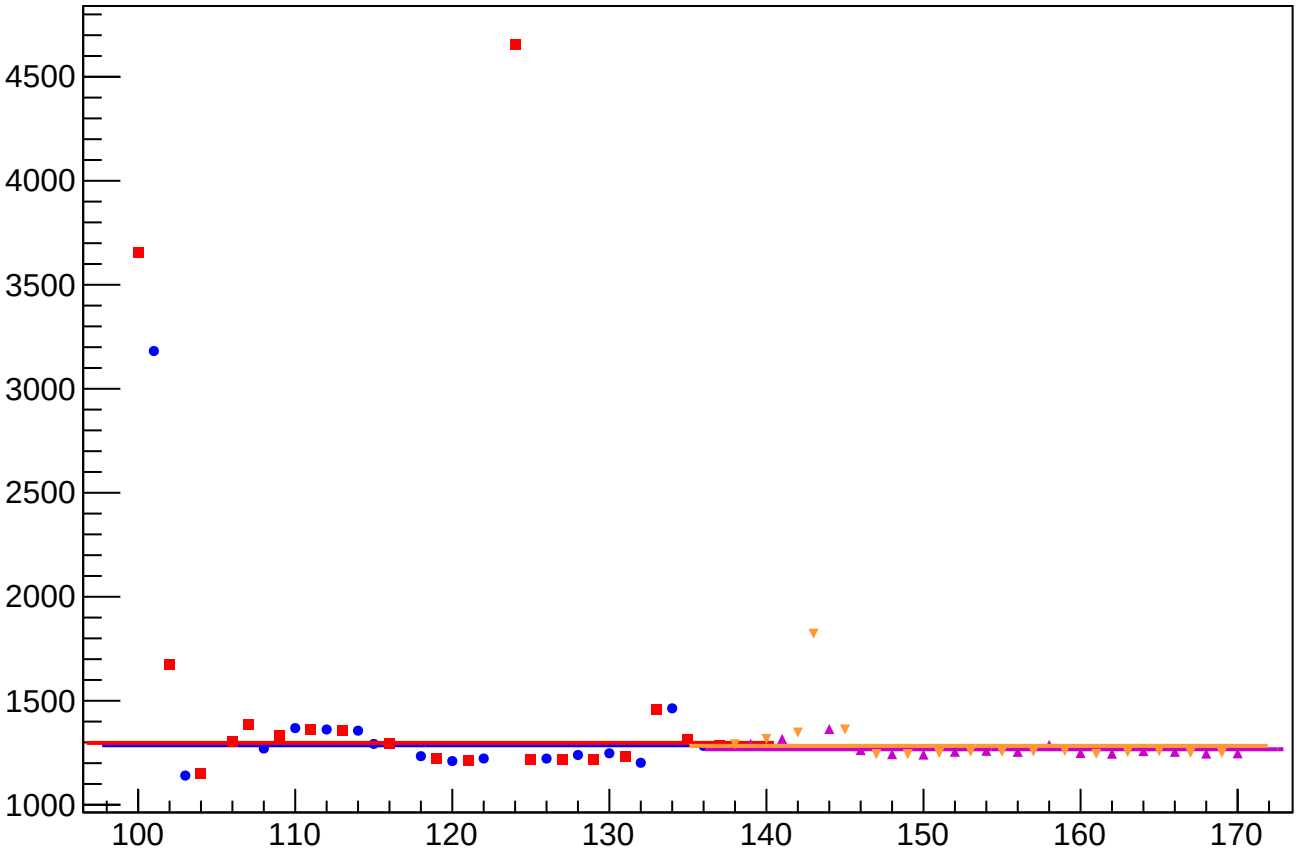
Left: -263.256+/-247.322 χ^2/NDF: 43.5/32

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -463.066+/-283.513 χ^2/NDF:36.3/31

Out: -279.507+/-284.628 χ^2/NDF:37.1/35

All: -371.647+/-200.867 χ^2/NDF: 73.6/67



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

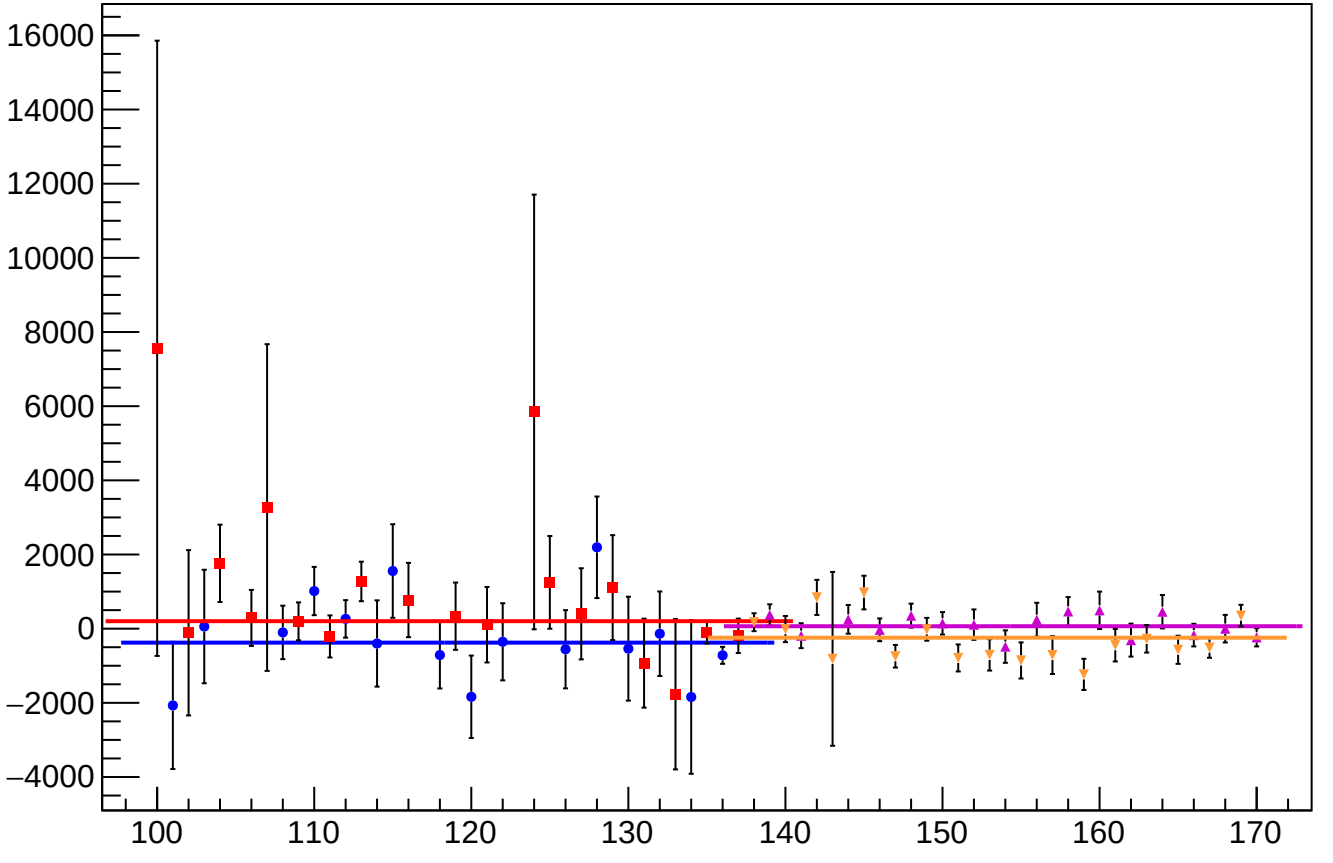
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1288.097+/-0.201 χ^2/NDF:493654.0/35

All: 1280.718+/-0.142 χ^2/NDF: 1033024.5/67

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: -243.704+/-88.605 χ^2/NDF:36.7/16

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -87.212+/-62.289 χ^2/NDF: 53.0/32

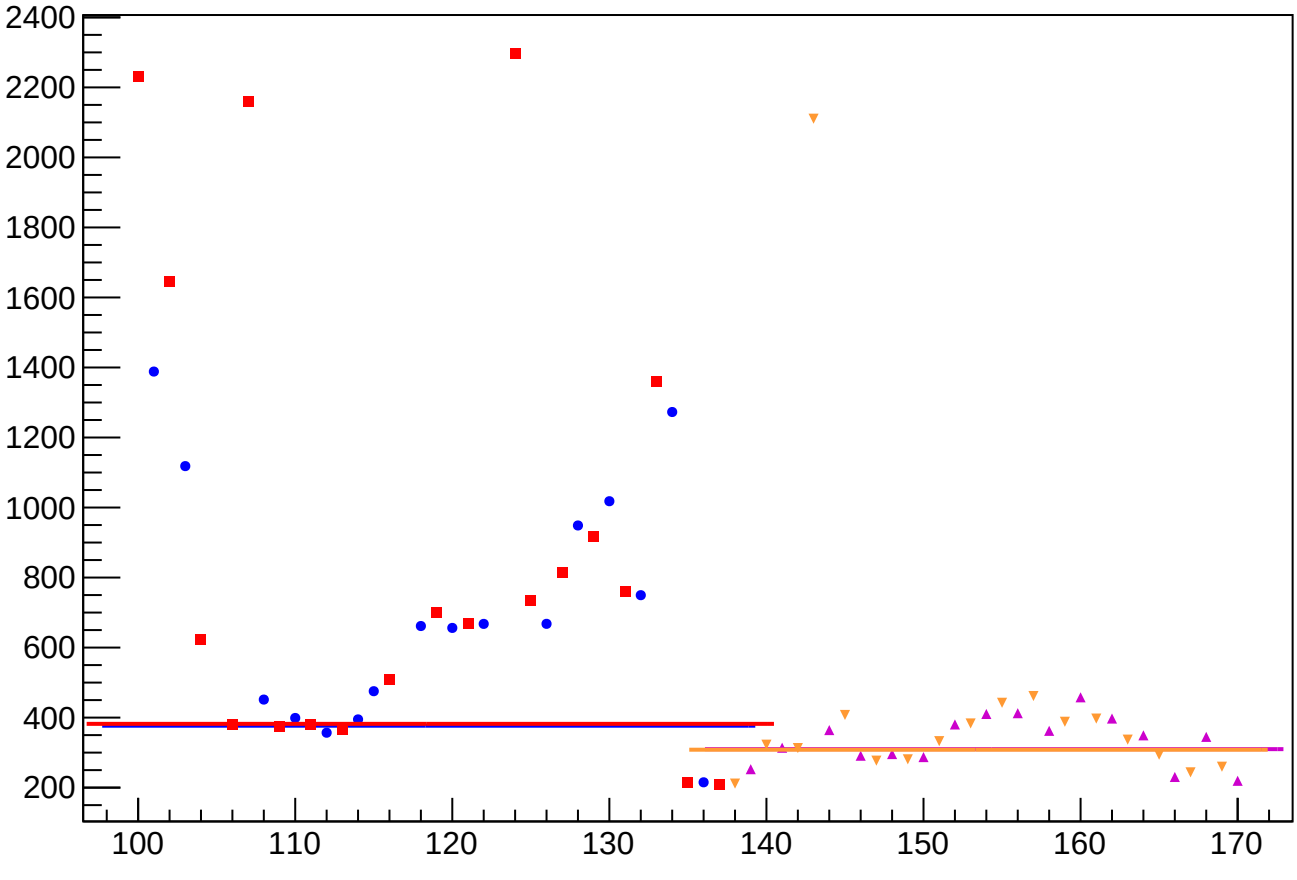
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -147.910+/-78.511 χ^2/NDF:56.2/35

All: -87.657+/-55.222 χ^2/NDF: 90.8/67

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: 308.301+/-0.063 χ^2/NDF:2378708.2/16

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

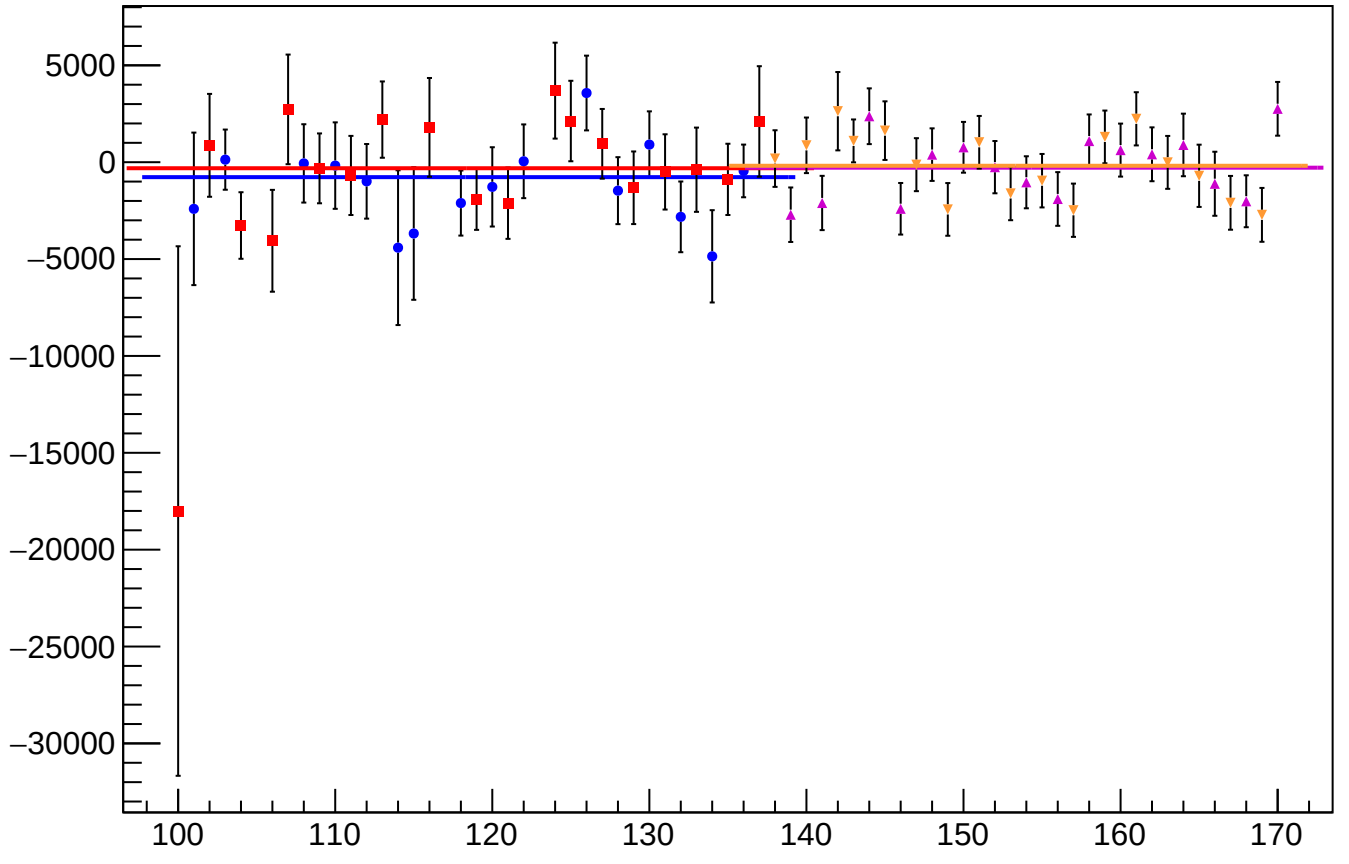
Left: 309.117+/-0.044 χ^2/NDF: 3517332.0/32

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 324.165+/-0.056 χ^2/NDF:6736701.2/35

All: 324.181+/-0.039 χ^2/NDF: 12317693.4/67



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -184.203+/-339.481 χ^2/NDF:22.7/16

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -283.367+/-348.774 χ^2/NDF:22.1/15

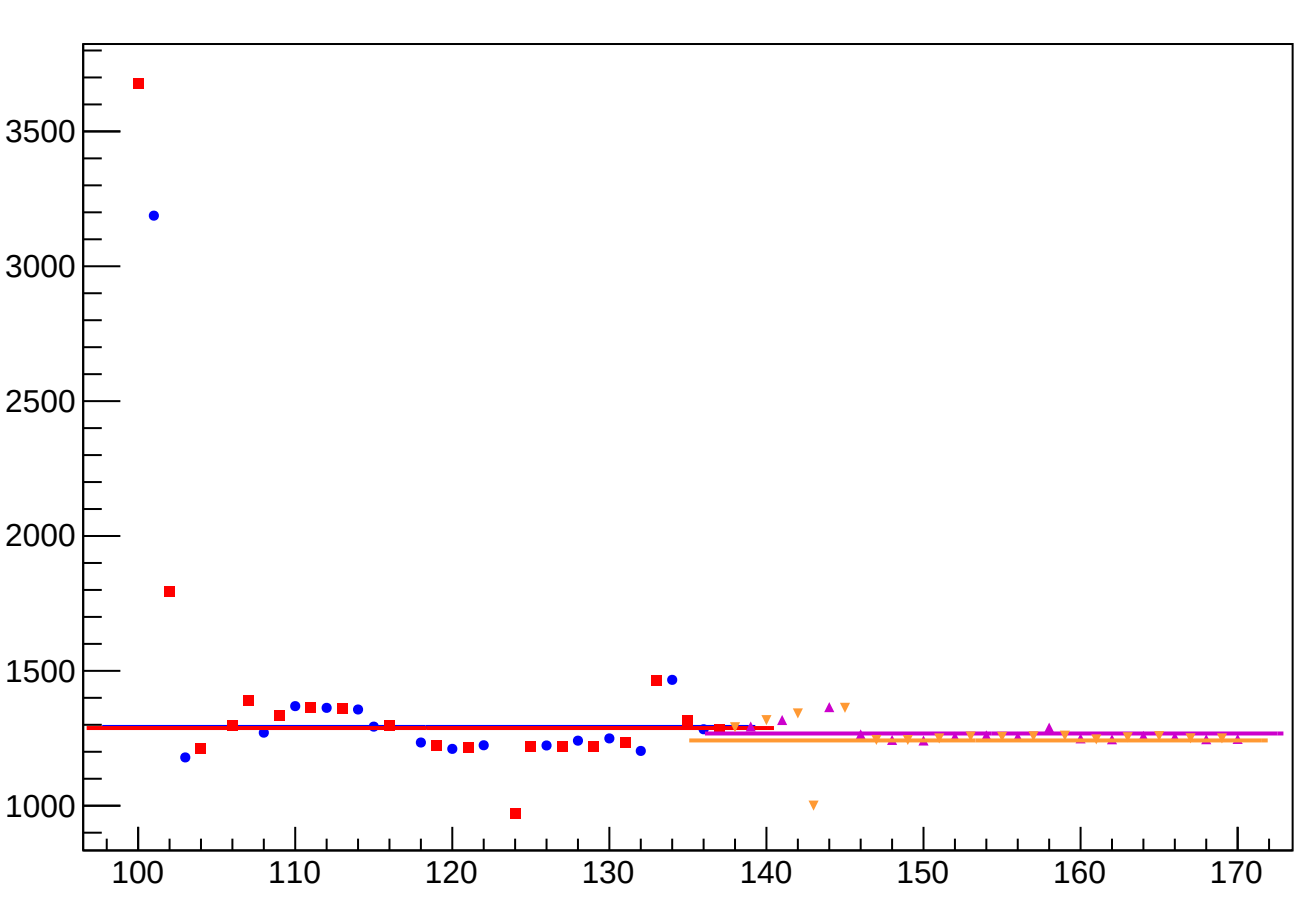
Left: -232.447+/-243.268 χ^2/NDF: 44.8/32

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -447.688+/-284.068 χ^2/NDF:36.4/31

Out: -226.310+/-277.672 χ^2/NDF:40.7/35

All: -334.479+/-198.566 χ^2/NDF: 77.4/67



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.037+/-0.240 χ^2/NDF:122291.2/16

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1254.567+/-0.172 χ^2/NDF: 144545.6/32

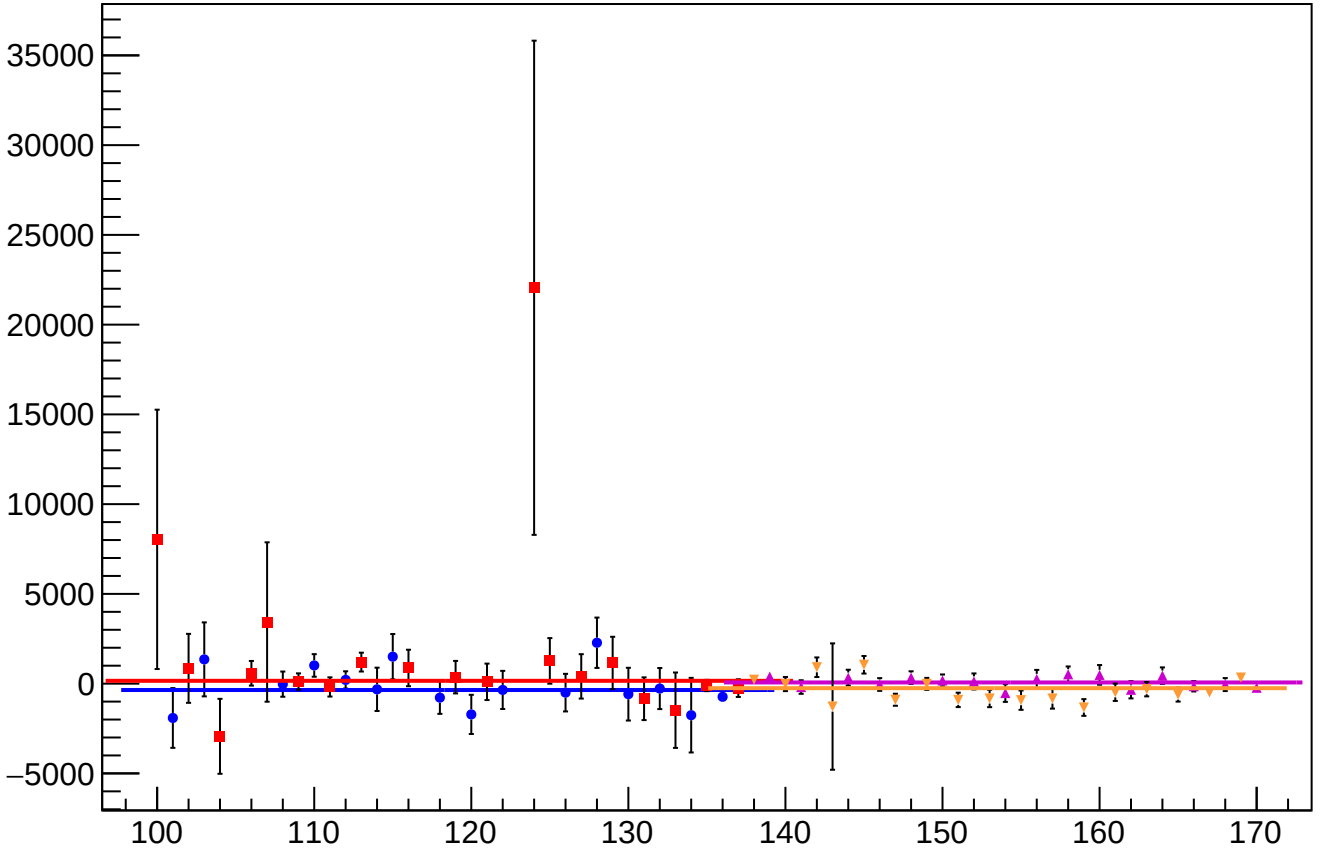
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1275.954+/-0.201 χ^2/NDF:529314.0/31

Out: 1257.246+/-0.196 χ^2/NDF:343628.6/35

All: 1266.387+/-0.140 χ^2/NDF: 877378.5/67

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: -252.283+/-93.160 χ^2/NDF:38.5/16

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 66.045+/-91.826 χ^2/NDF:9.9/15

Left: -90.824+/-65.397 χ^2/NDF: 54.4/32

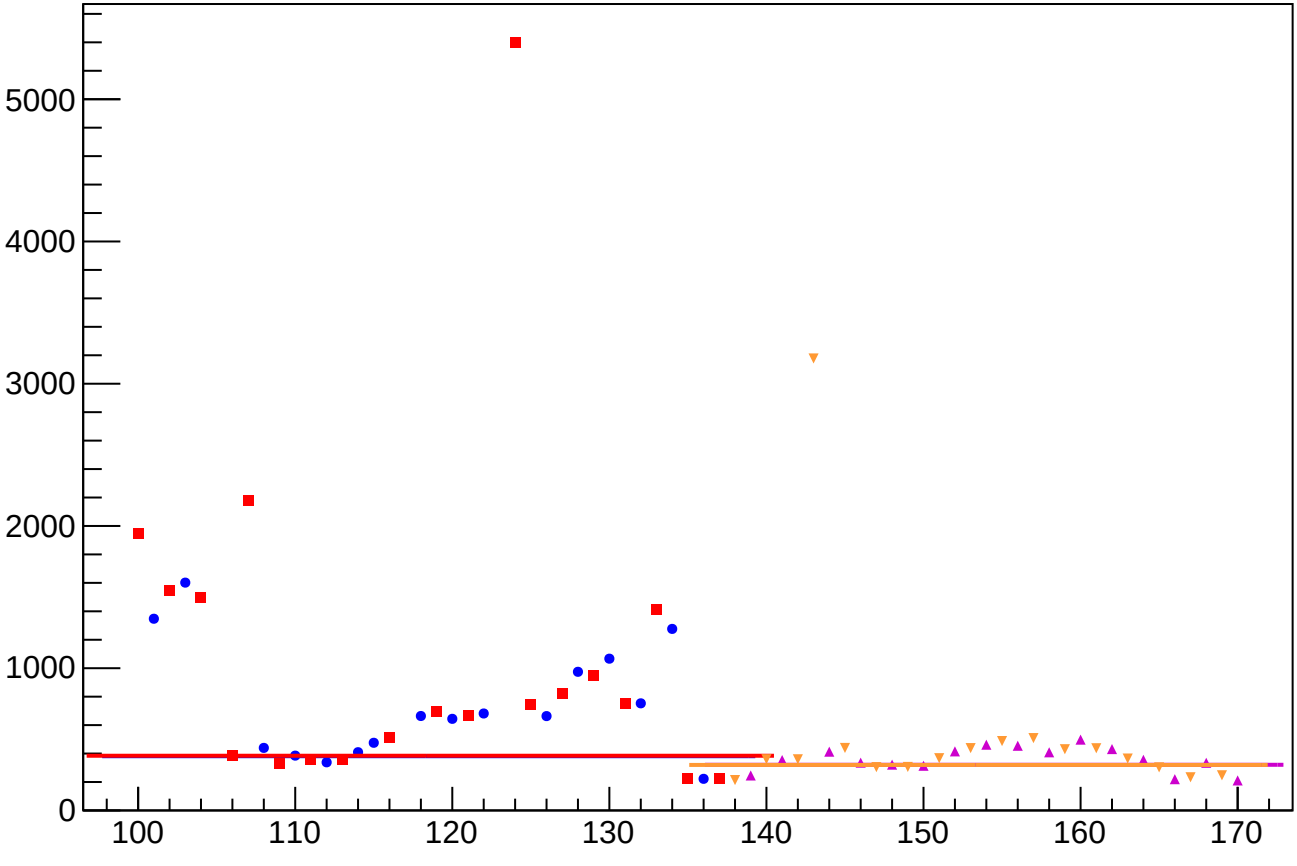
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -29.132+/-80.790 χ^2/NDF:33.1/31

Out: -157.258+/-81.660 χ^2/NDF:58.9/35

All: -92.509+/-57.432 χ^2/NDF: 93.2/67

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: 320.045+/-0.066 χ^2/NDF:3043071.6/16

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 321.050+/-0.065 χ^2/NDF:1739700.2/15

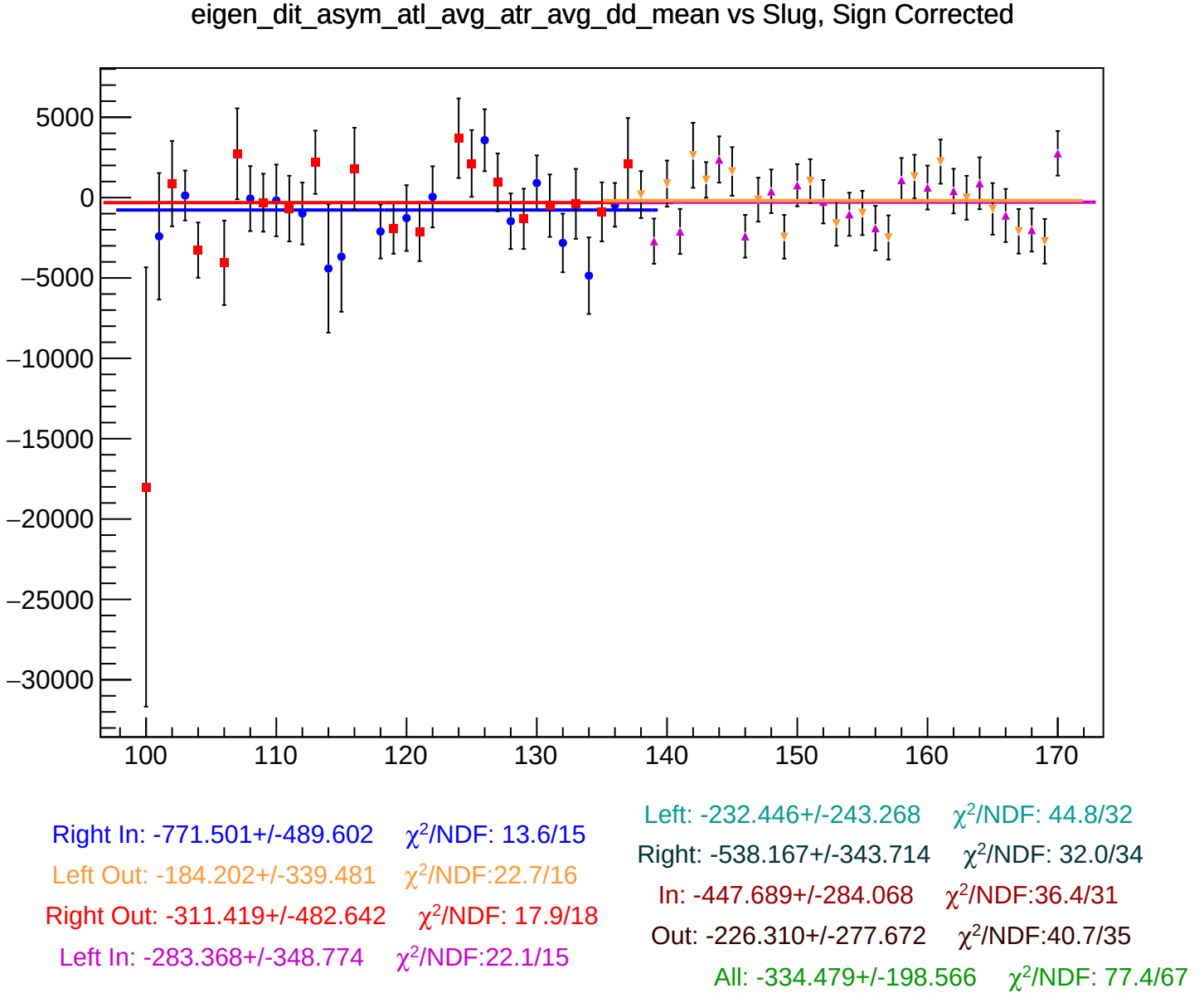
Left: 320.555+/-0.046 χ^2/NDF: 4782889.9/32

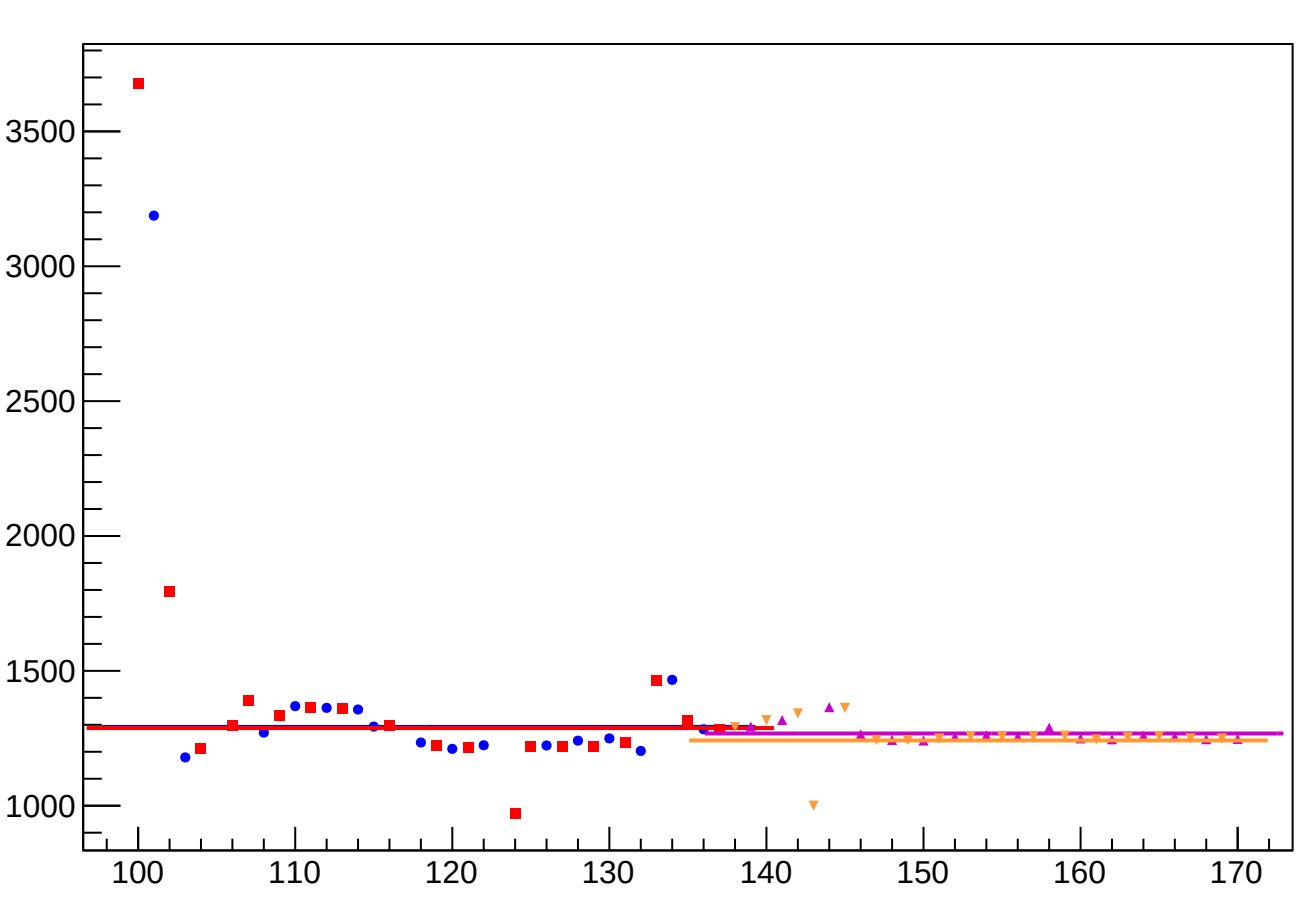
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 334.674+/-0.057 χ^2/NDF:6252463.1/31

Out: 335.011+/-0.058 χ^2/NDF:7826093.0/35

All: 334.841+/-0.041 χ^2/NDF: 14078573.4/67


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: -184.202+/-339.481 χ²/NDF:22.7/16
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -283.368+/-348.774 χ²/NDF:22.1/15
Left: -232.446+/-243.268 χ²/NDF: 44.8/32
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -447.689+/-284.068 χ²/NDF:36.4/31
Out: -226.310+/-277.672 χ²/NDF:40.7/35
All: -334.479+/-198.566 χ²/NDF: 77.4/67



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.037+/-0.240 χ^2/NDF:122290.4/16

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1254.567+/-0.172 χ^2/NDF: 144544.7/32

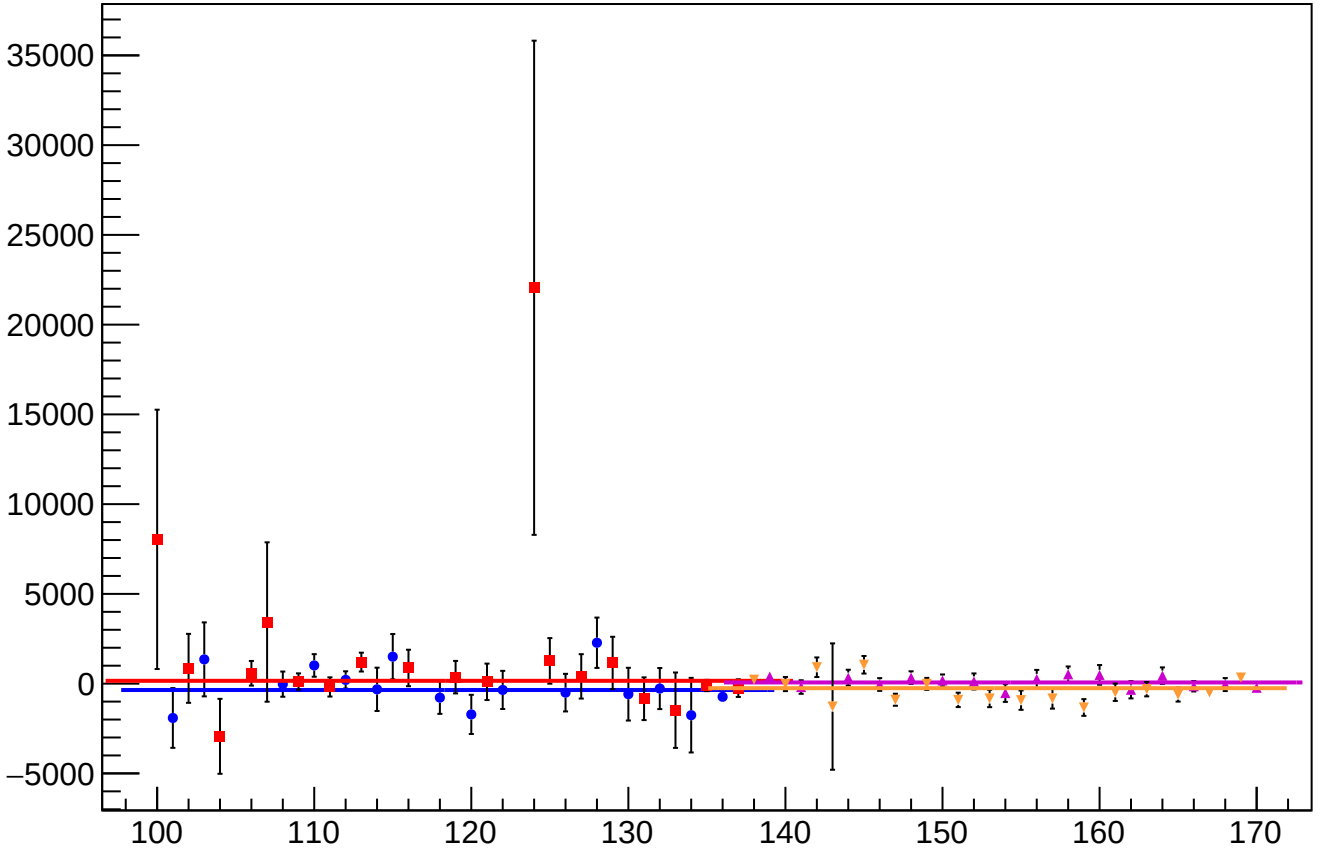
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1275.954+/-0.201 χ^2/NDF:529314.1/31

Out: 1257.246+/-0.196 χ^2/NDF:343628.0/35

All: 1266.387+/-0.140 χ^2/NDF: 877377.8/67

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: -252.292+/-93.161 χ^2/NDF:38.5/16

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 66.042+/-91.827 χ^2/NDF:9.9/15

Left: -90.829+/-65.398 χ^2/NDF: 54.4/32

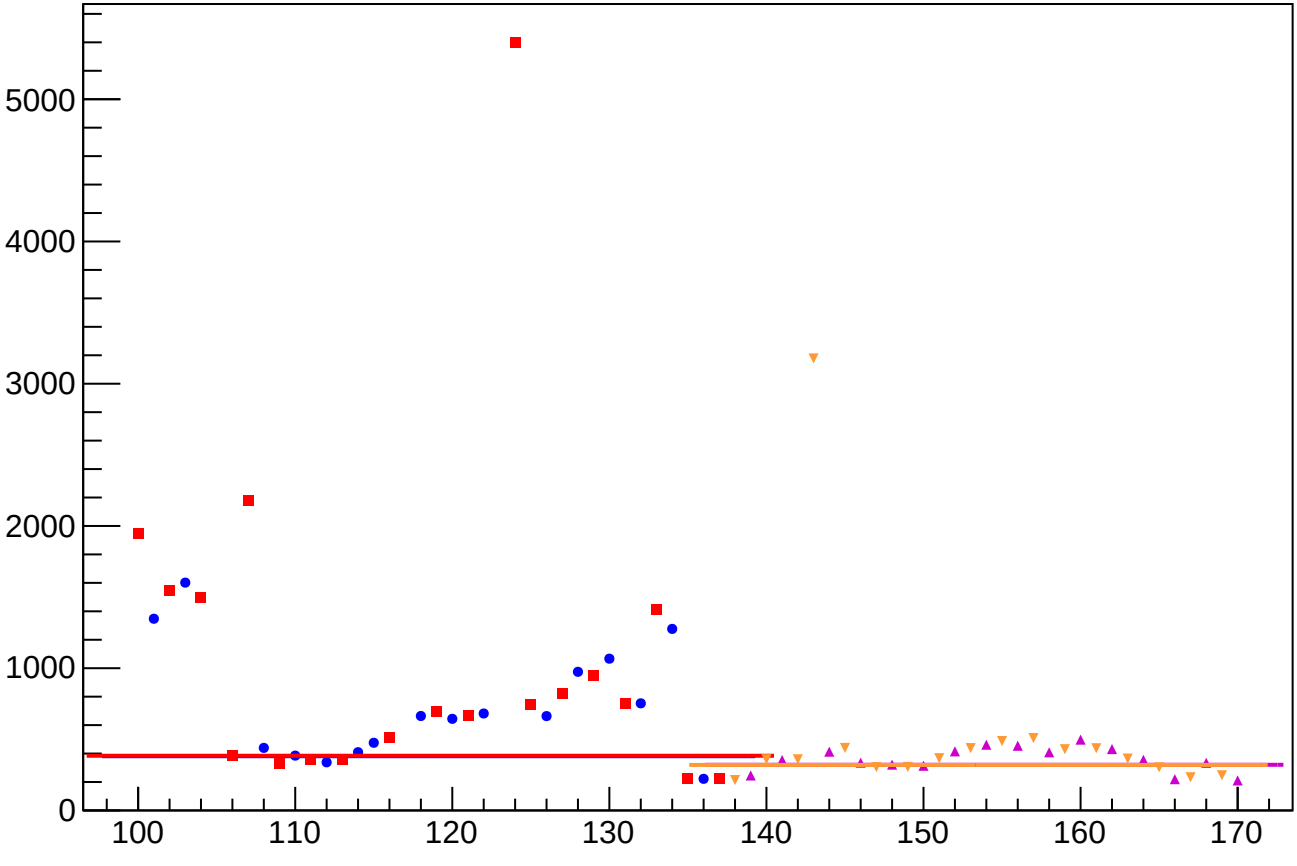
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -29.132+/-80.791 χ^2/NDF:33.1/31

Out: -157.264+/-81.661 χ^2/NDF:58.9/35

All: -92.512+/-57.433 χ^2/NDF: 93.2/67

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: 320.049+/-0.066 χ^2/NDF:3042948.6/16

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 321.052+/-0.065 χ^2/NDF:1739642.4/15

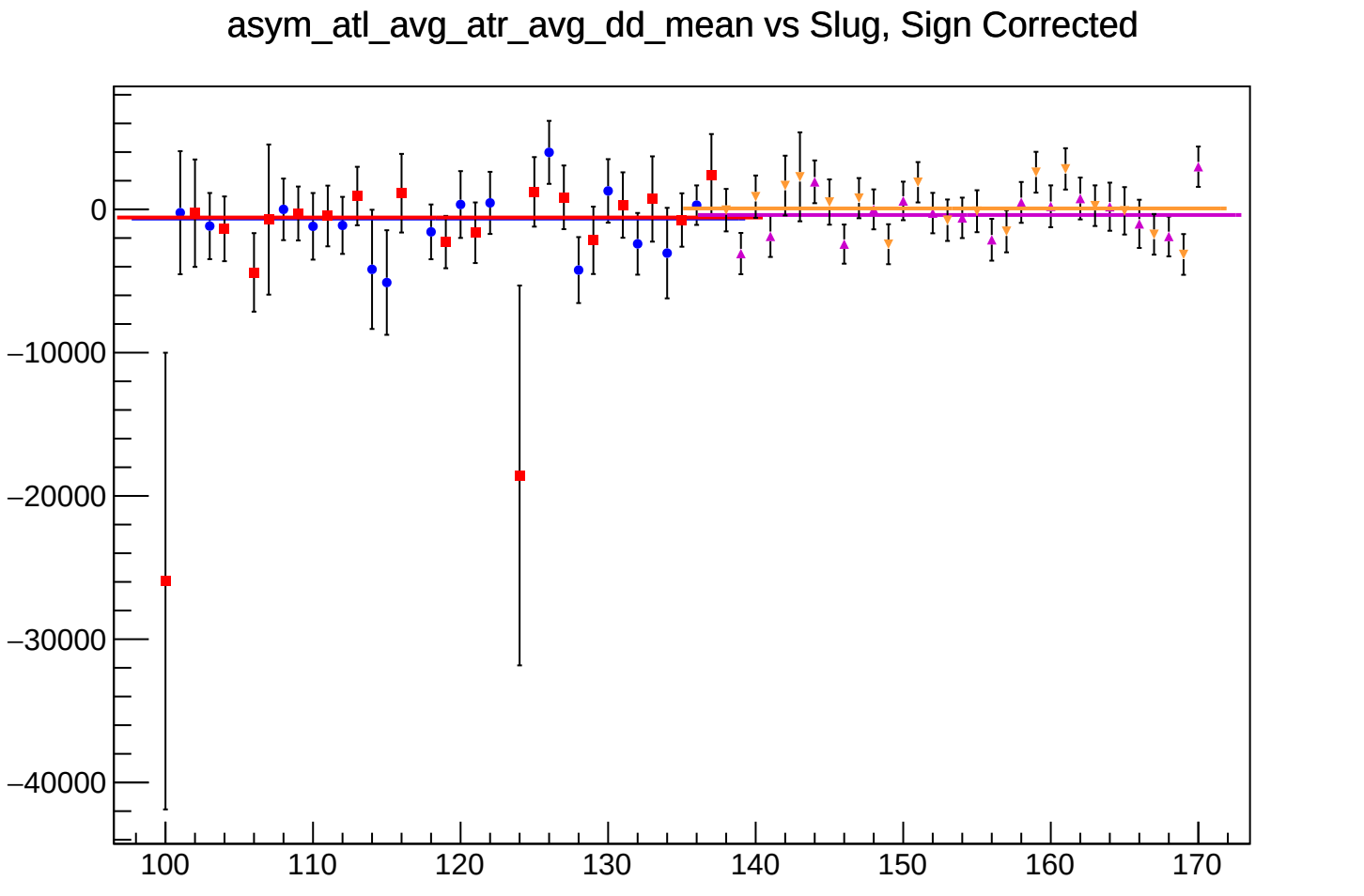
Left: 320.558+/-0.046 χ^2/NDF: 4782708.8/32

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 334.677+/-0.057 χ^2/NDF:6252267.9/31

Out: 335.015+/-0.058 χ^2/NDF:7825856.9/35

All: 334.844+/-0.041 χ^2/NDF: 14078142.2/67



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 65.816+/-367.345 χ^2/NDF:21.7/16

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -391.099+/-361.590 χ^2/NDF:19.5/15

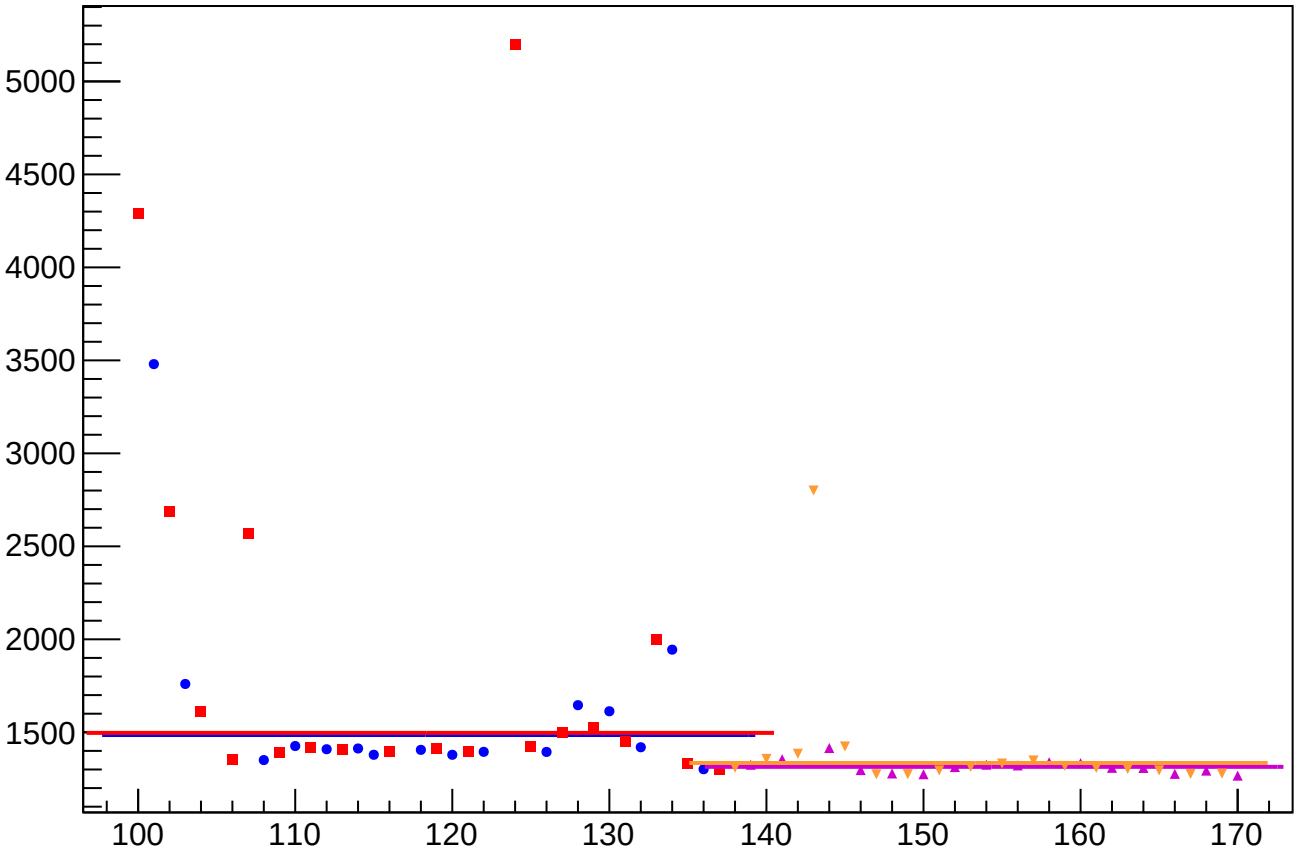
Left: -166.249+/-257.693 χ^2/NDF: 42.0/32

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -463.776+/-304.460 χ^2/NDF:32.2/31

Out: -121.454+/-308.261 χ^2/NDF:33.9/35

All: -294.739+/-216.617 χ^2/NDF: 66.7/67



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1335.043+/-0.260 χ^2/NDF:473907.4/16

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1314.277+/-0.256 χ^2/NDF:19225.9/15

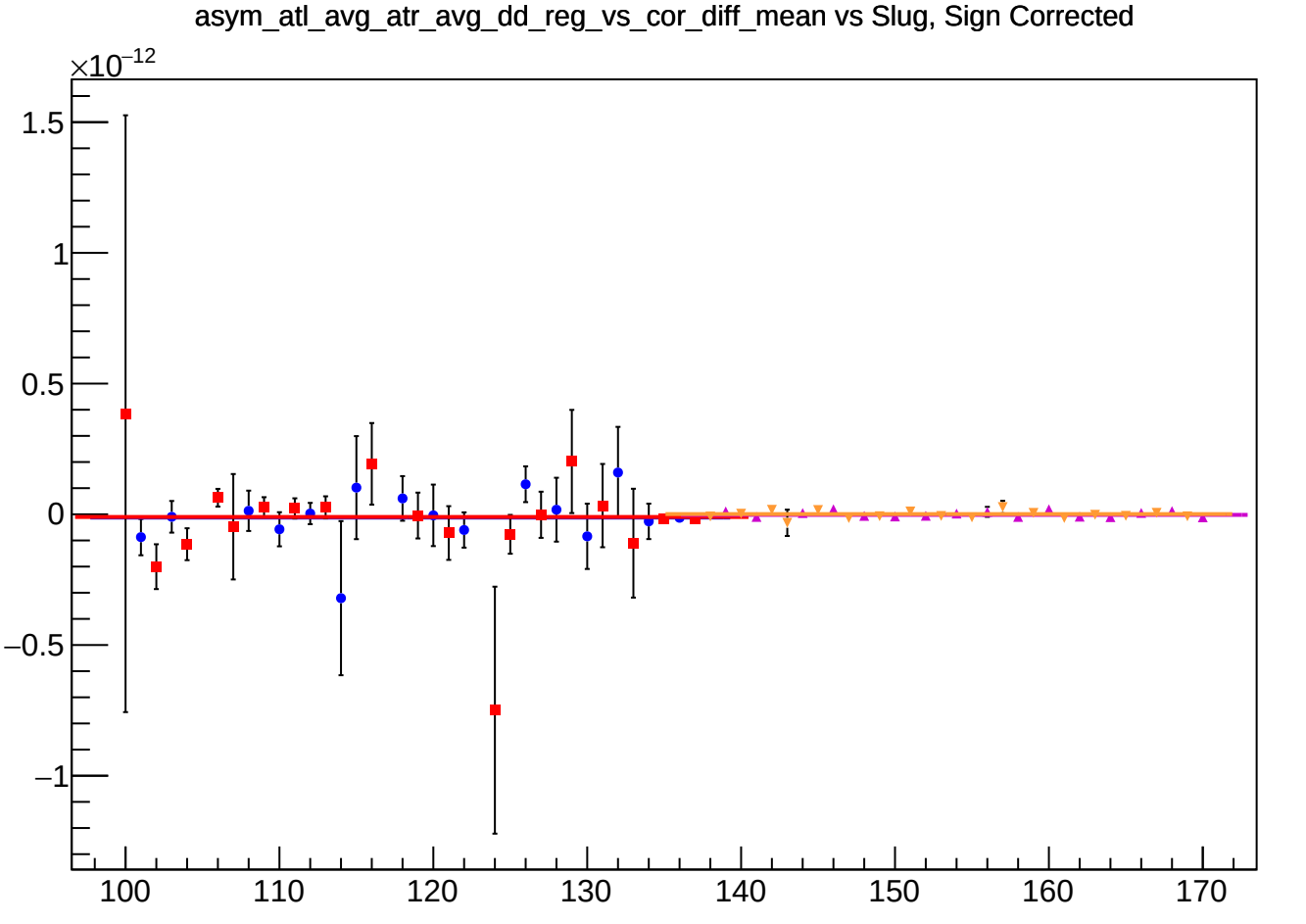
Left: 1324.496+/-0.182 χ^2/NDF: 496379.3/32

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1364.070+/-0.215 χ^2/NDF:734013.7/31

Out: 1382.912+/-0.218 χ^2/NDF:1212010.2/35

All: 1373.374+/-0.153 χ^2/NDF: 1949806.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/15

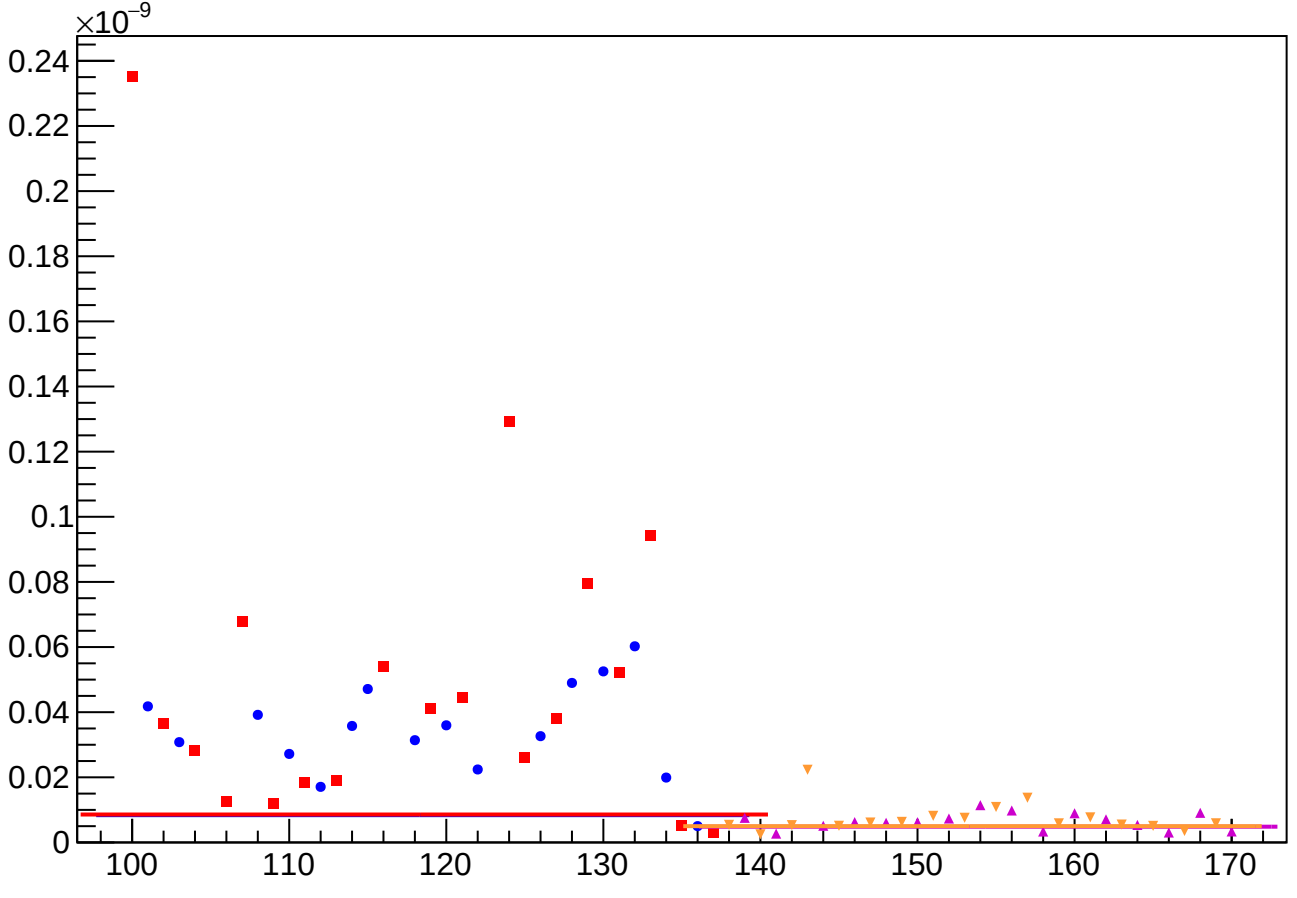
Left: -0.000+/-0.000 χ^2/NDF: 34.2/32

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:39.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1774661.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1687671.3/15

Left: 0.000+/-0.000 χ^2/NDF: 3466827.7/32

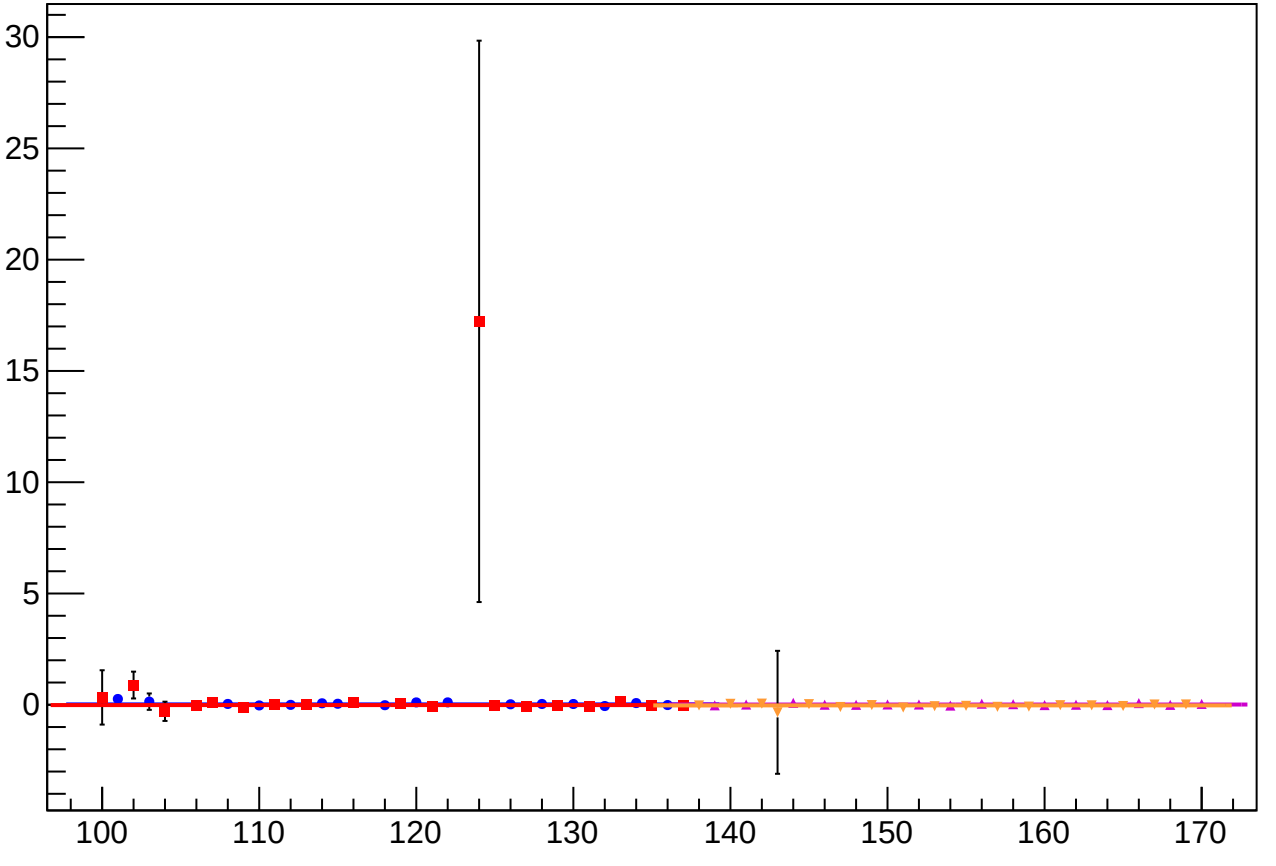
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159743.8/31

Out: 0.000+/-0.000 χ^2/NDF:5490776.8/35

All: 0.000+/-0.000 χ^2/NDF: 10653246.2/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

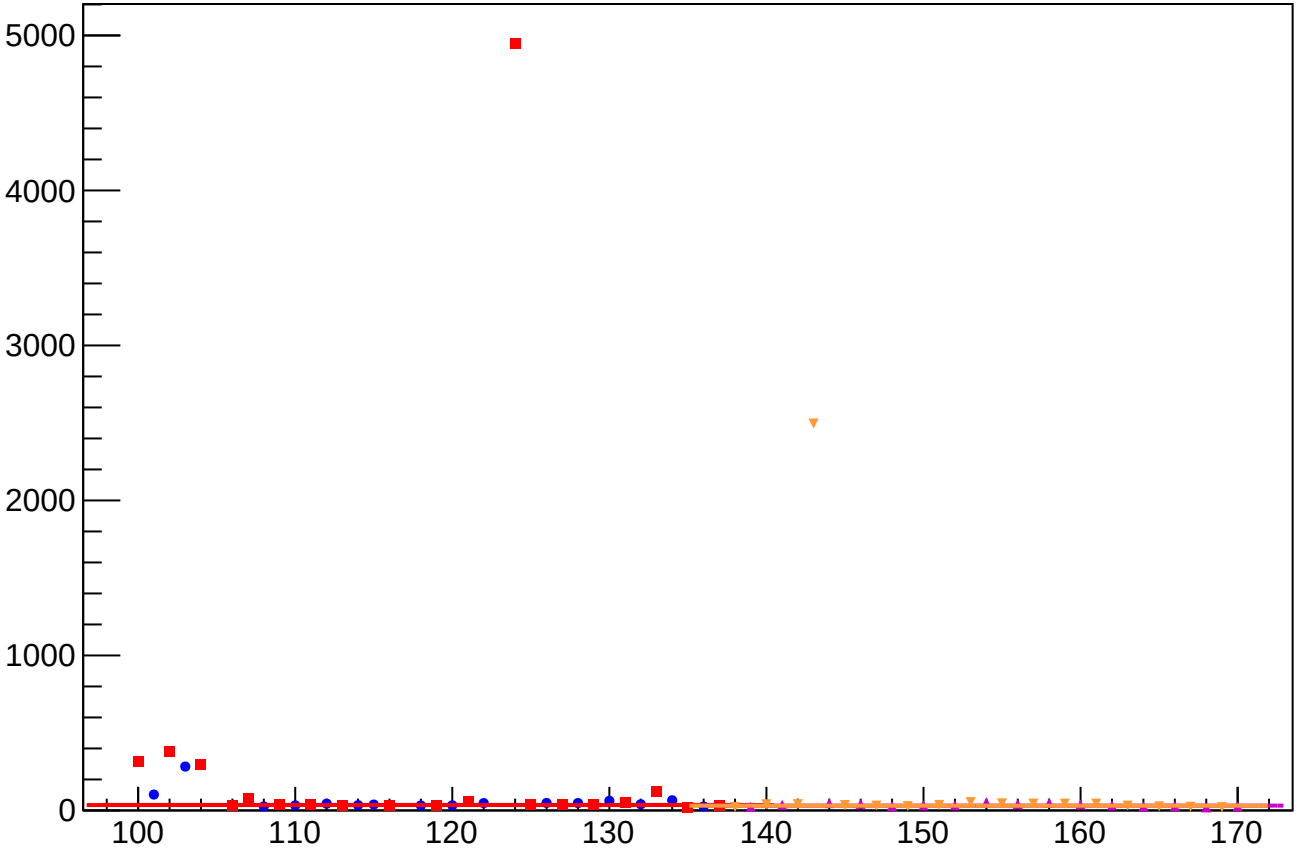
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.1/67

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: 30.761+/-0.007 χ^2/NDF:3203512.0/16

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

Left: 30.961+/-0.005 χ^2/NDF: 4868091.0/32

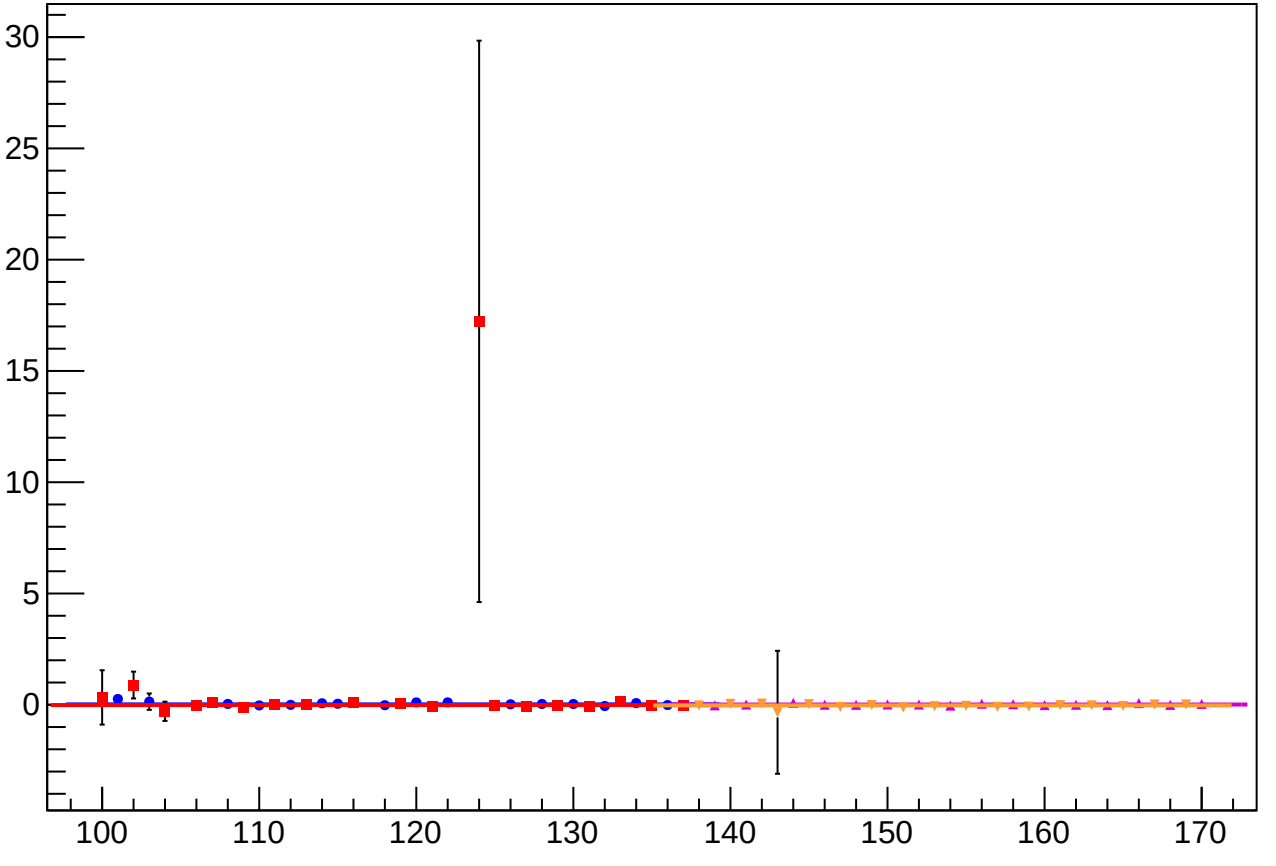
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 31.867+/-0.006 χ^2/NDF:6214561.7/35

All: 32.148+/-0.004 χ^2/NDF: 10274342.7/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

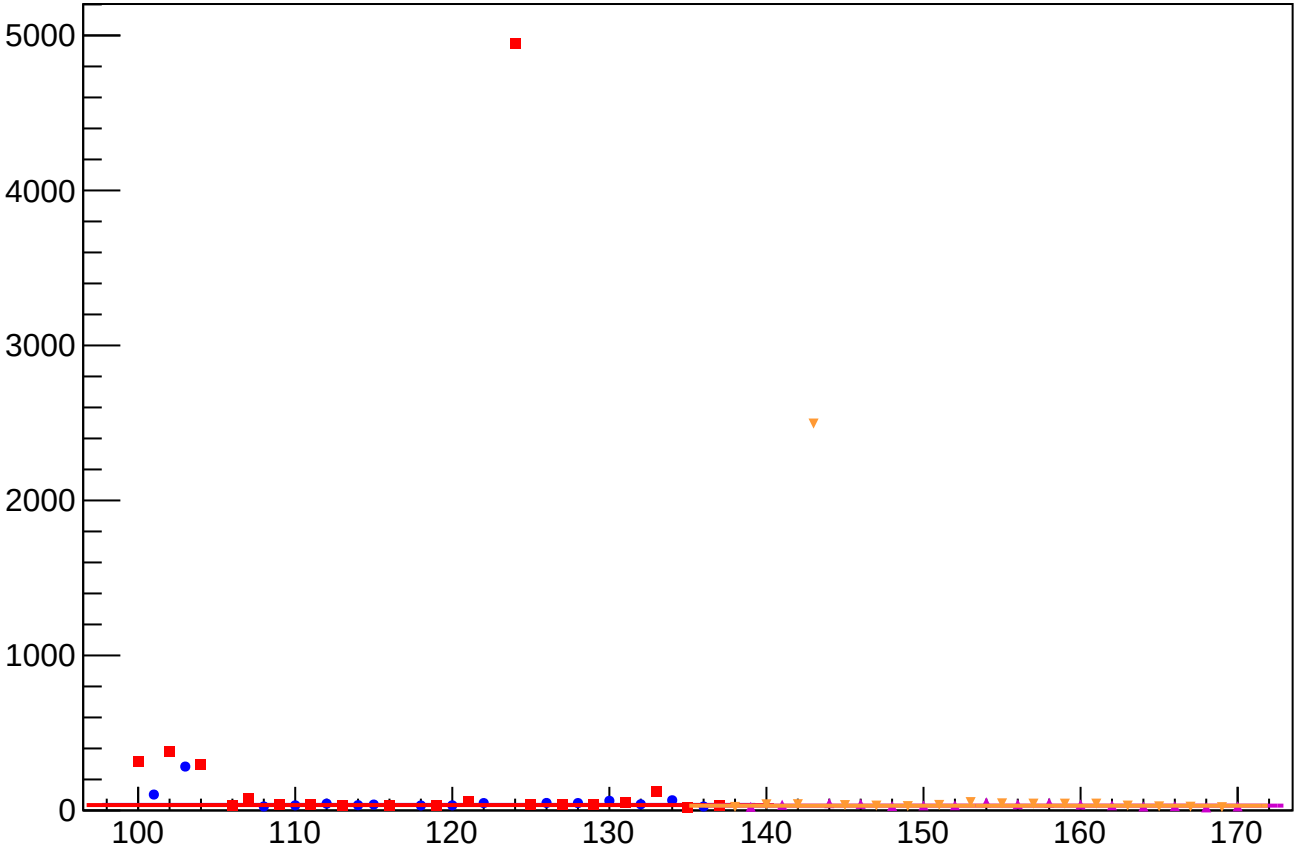
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.1/67

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: 30.761+/-0.007 χ^2/NDF:3203512.0/16

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

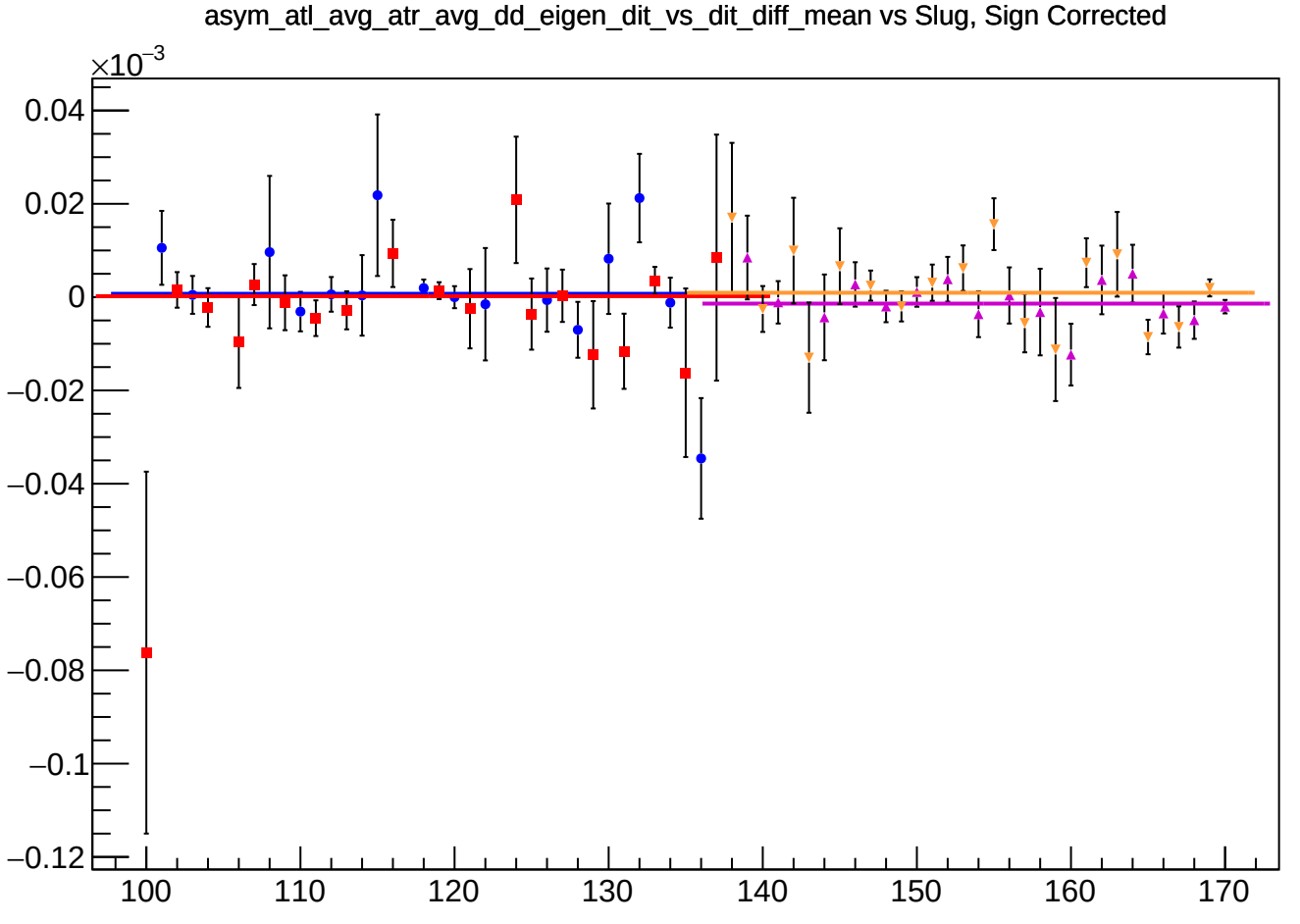
Left: 30.961+/-0.005 χ^2/NDF: 4868091.0/32

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 31.867+/-0.006 χ^2/NDF:6214561.7/35

All: 32.148+/-0.004 χ^2/NDF: 10274342.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/15

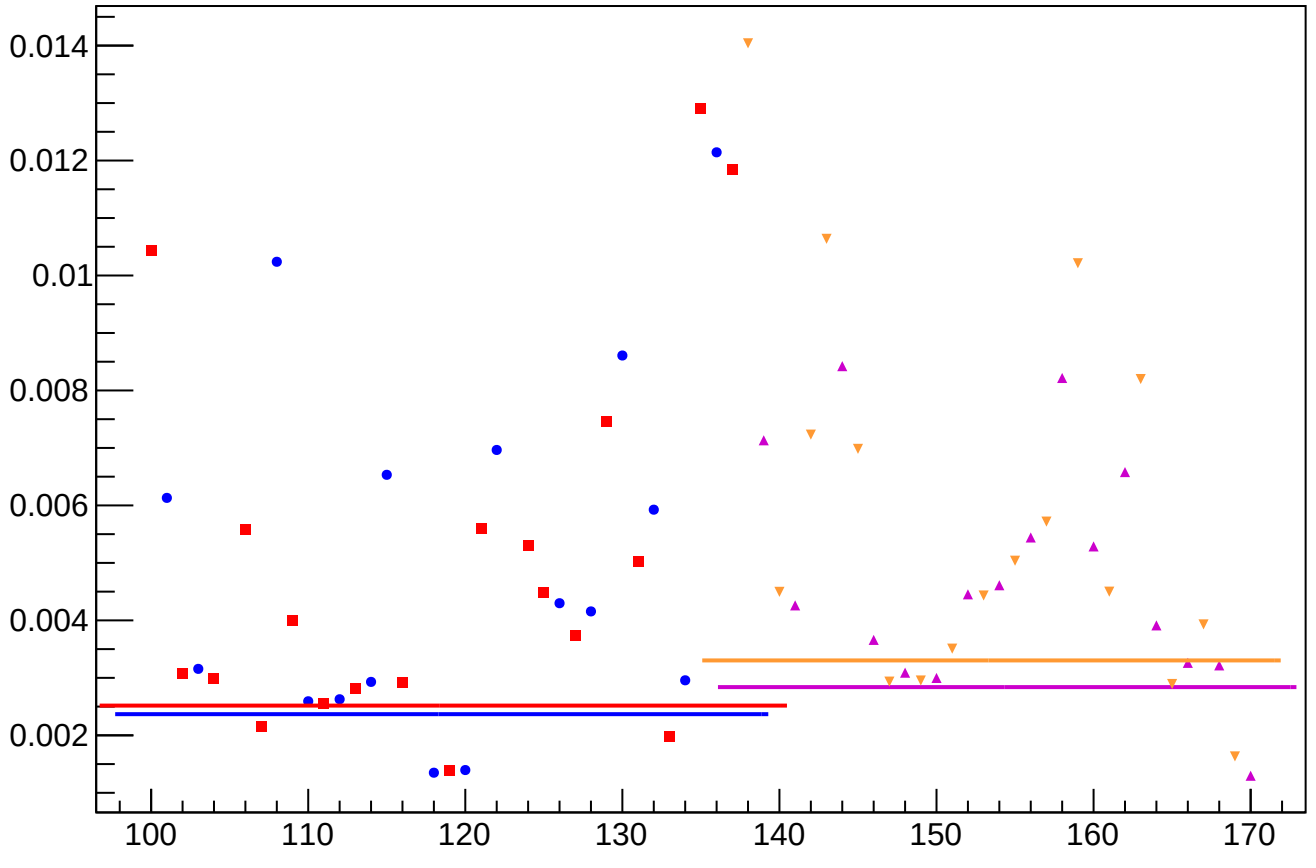
Left: -0.000+/-0.000 χ^2/NDF: 40.2/32

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:46.1/35

All: 0.000+/-0.000 χ^2/NDF: 78.1/67



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:6298023.5/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6167921.6/15

Left: 0.003+/-0.000 χ^2/NDF: 12680239.2/32

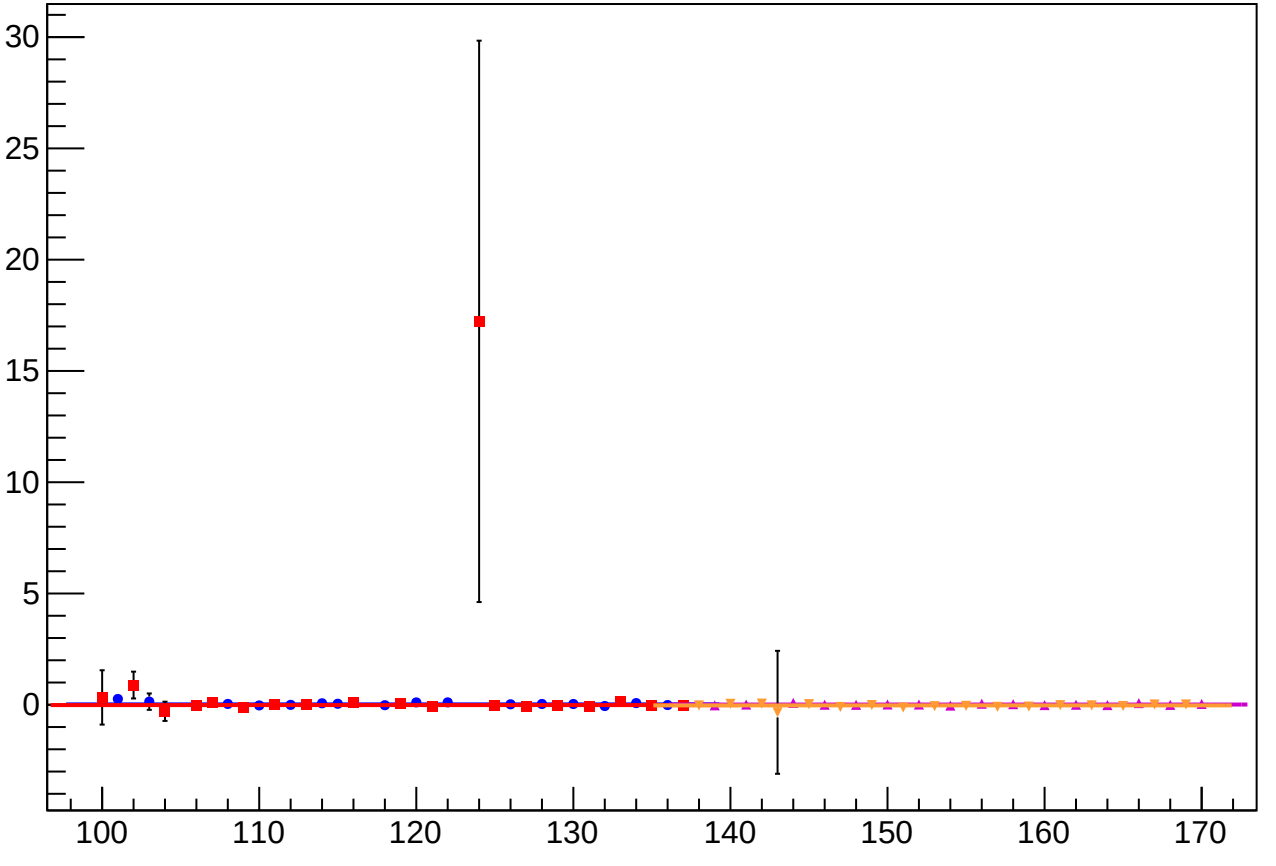
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11096704.6/31

Out: 0.003+/-0.000 χ^2/NDF:10250252.7/35

All: 0.003+/-0.000 χ^2/NDF: 21491664.6/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

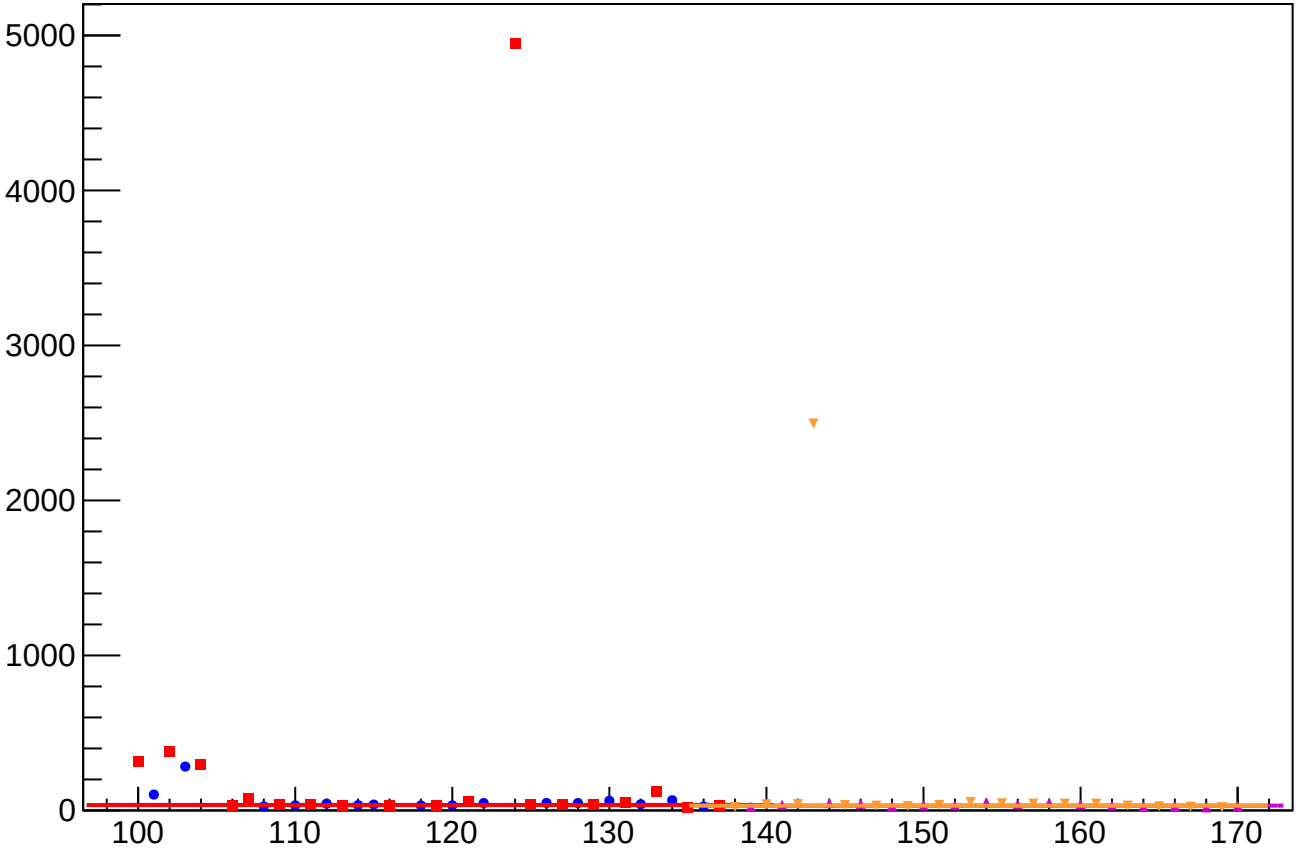
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.2/67

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: 30.761+/-0.007 χ^2/NDF:3203776.3/16

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

Left: 30.960+/-0.005 χ^2/NDF: 4868908.7/32

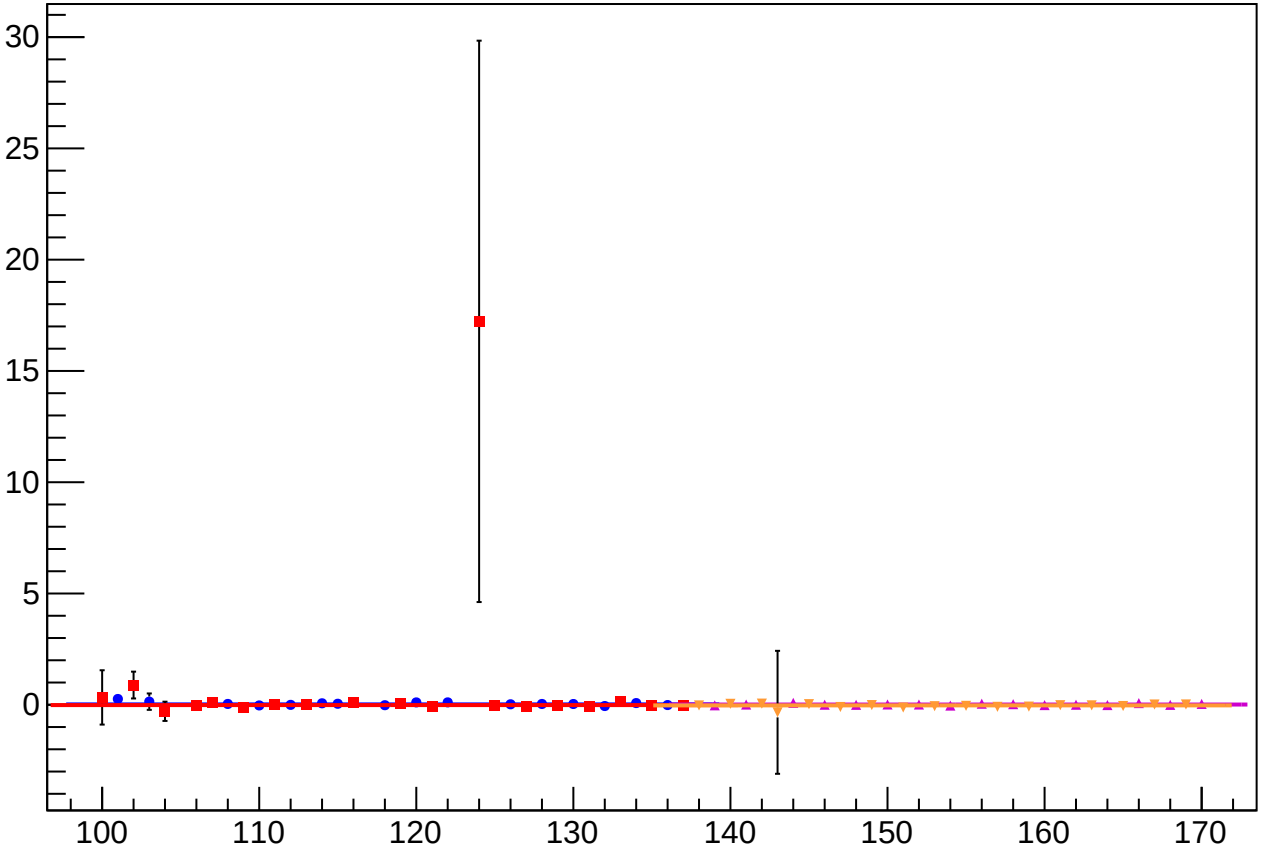
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 31.867+/-0.006 χ^2/NDF:6214704.1/35

All: 32.148+/-0.004 χ^2/NDF: 10274911.2/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

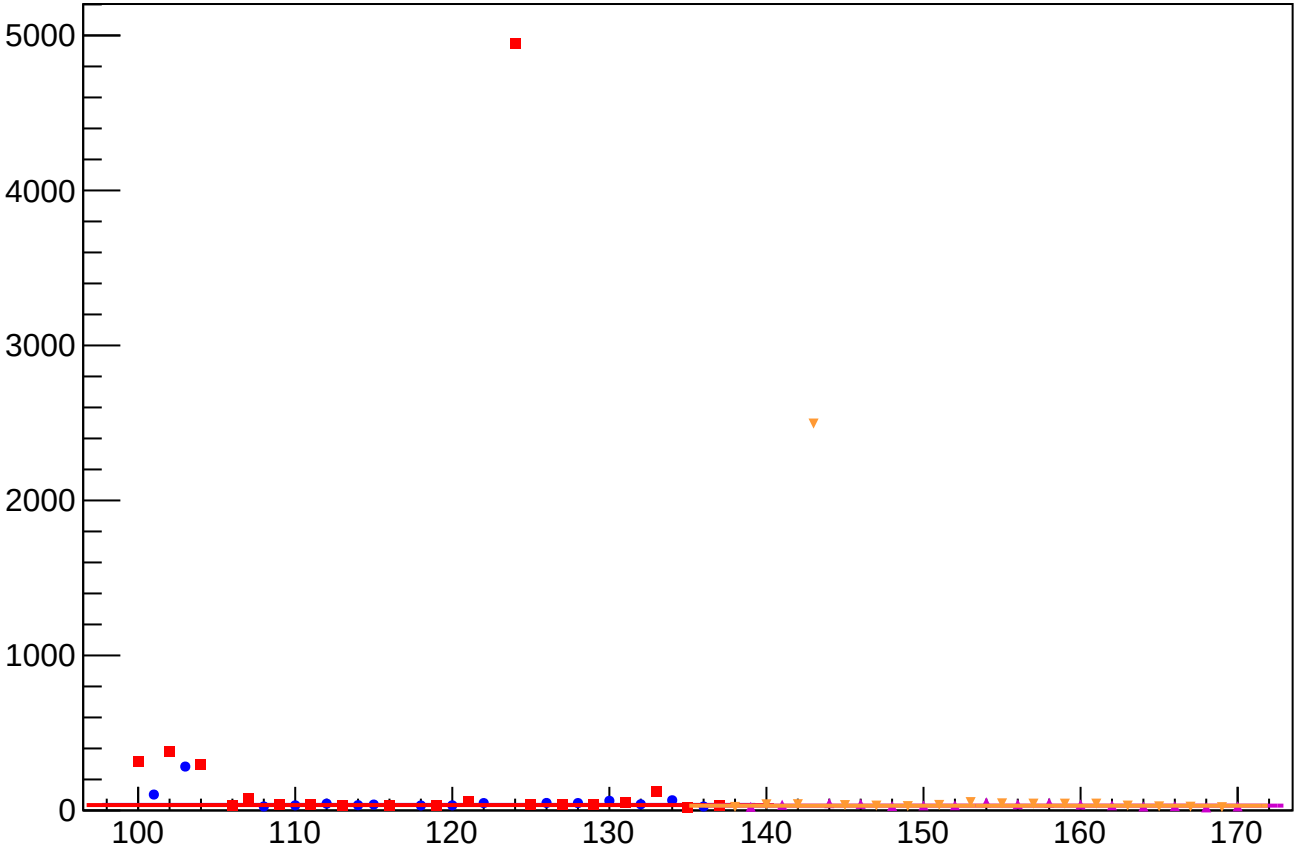
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.2/67

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: 30.761+/-0.007 χ^2/NDF:3203776.3/16

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

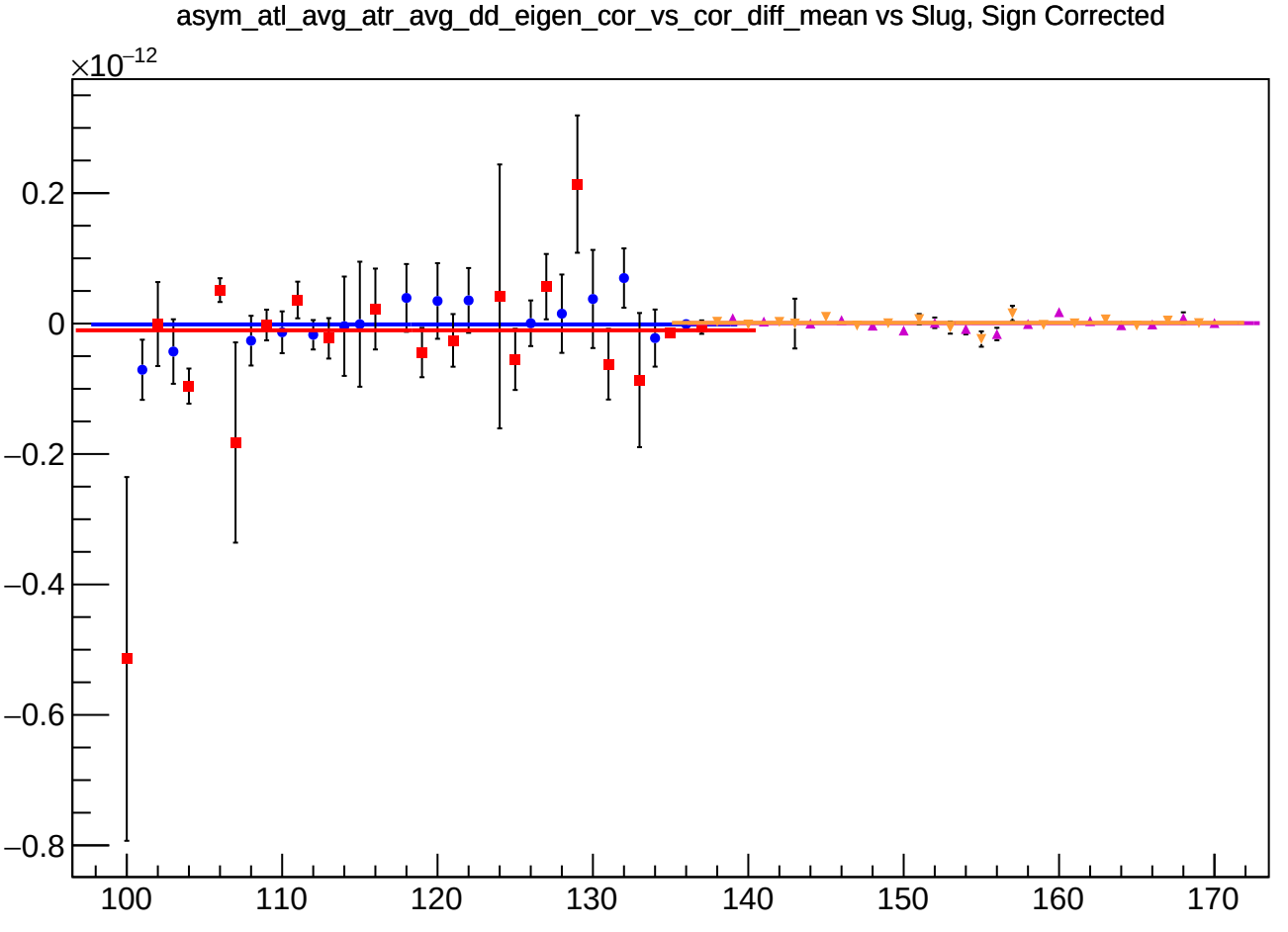
Left: 30.960+/-0.005 χ^2/NDF: 4868908.7/32

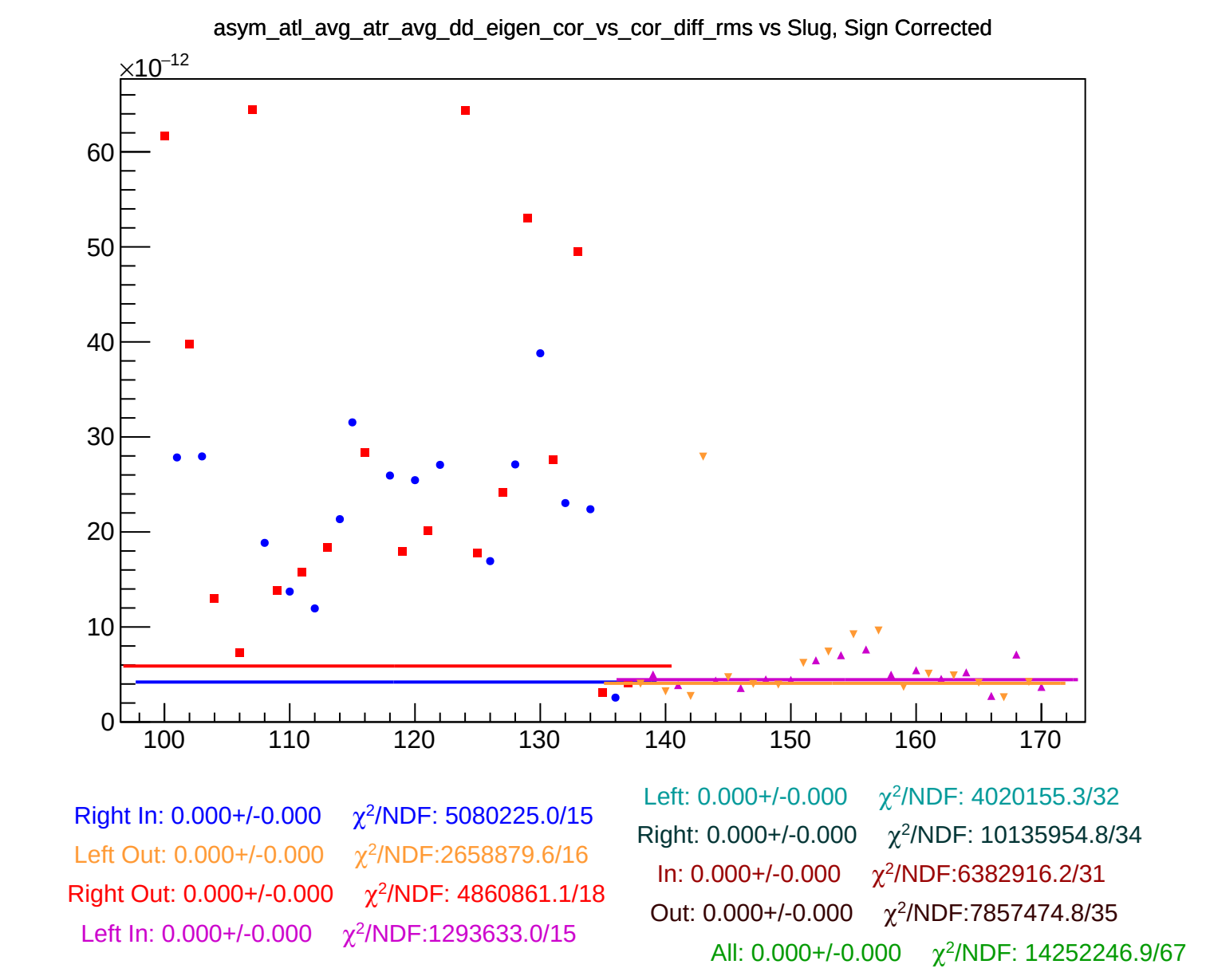
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

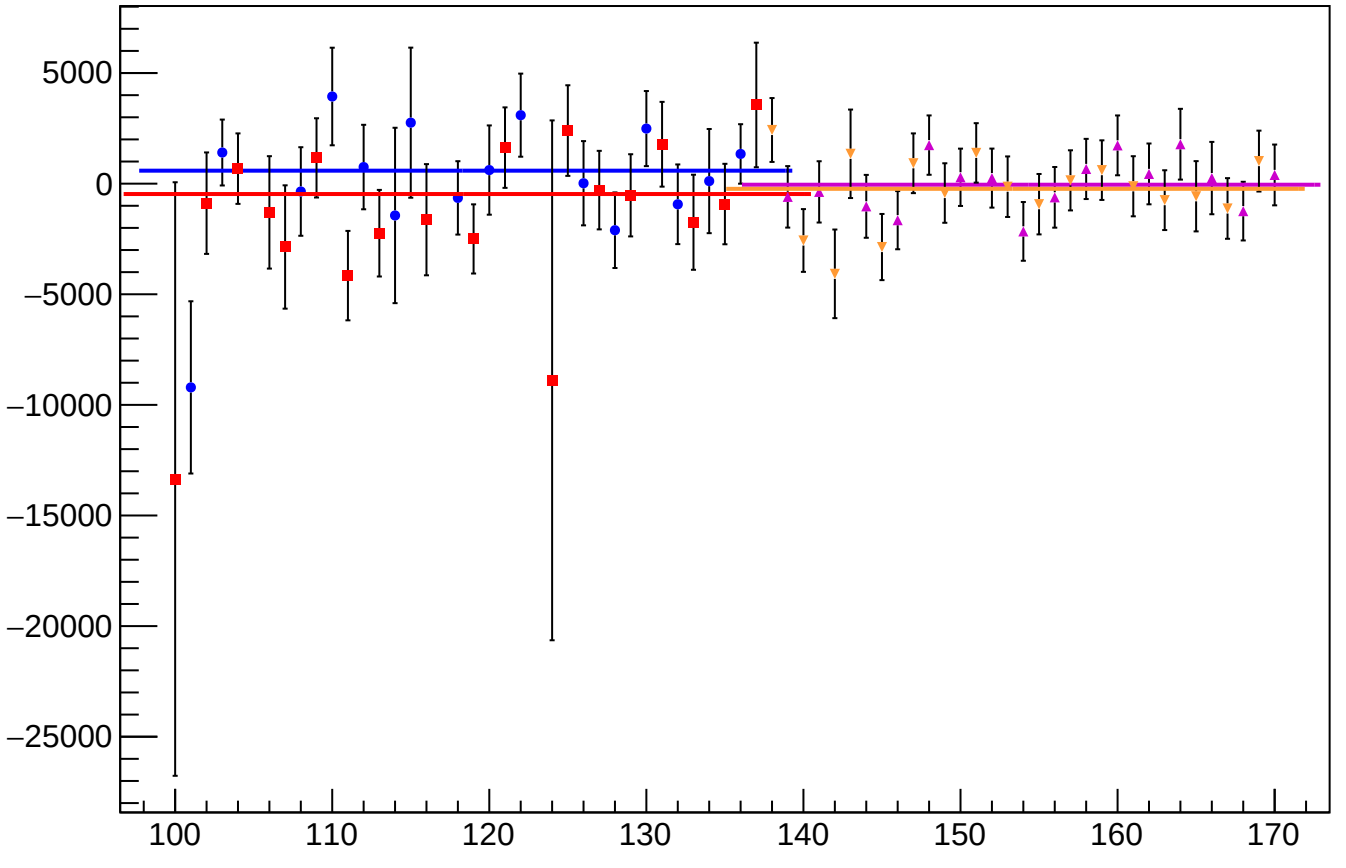
In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 31.867+/-0.006 χ^2/NDF:6214704.1/35

All: 32.148+/-0.004 χ^2/NDF: 10274911.2/67


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:12.7/16
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/15
Left: 0.000+/-0.000 χ²/NDF: 31.1/32
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:27.2/31
Out: -0.000+/-0.000 χ²/NDF:59.3/35
All: 0.000+/-0.000 χ²/NDF: 86.6/67


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2658879.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1293633.0/15
Left: 0.000+/-0.000 χ²/NDF: 4020155.3/32
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:6382916.2/31
Out: 0.000+/-0.000 χ²/NDF:7857474.8/35
All: 0.000+/-0.000 χ²/NDF: 14252246.9/67



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.092+/-347.367 χ^2/NDF:17.9/16

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -48.296+/-344.934 χ^2/NDF:11.2/15

Left: -140.542+/-244.761 χ^2/NDF: 29.2/32

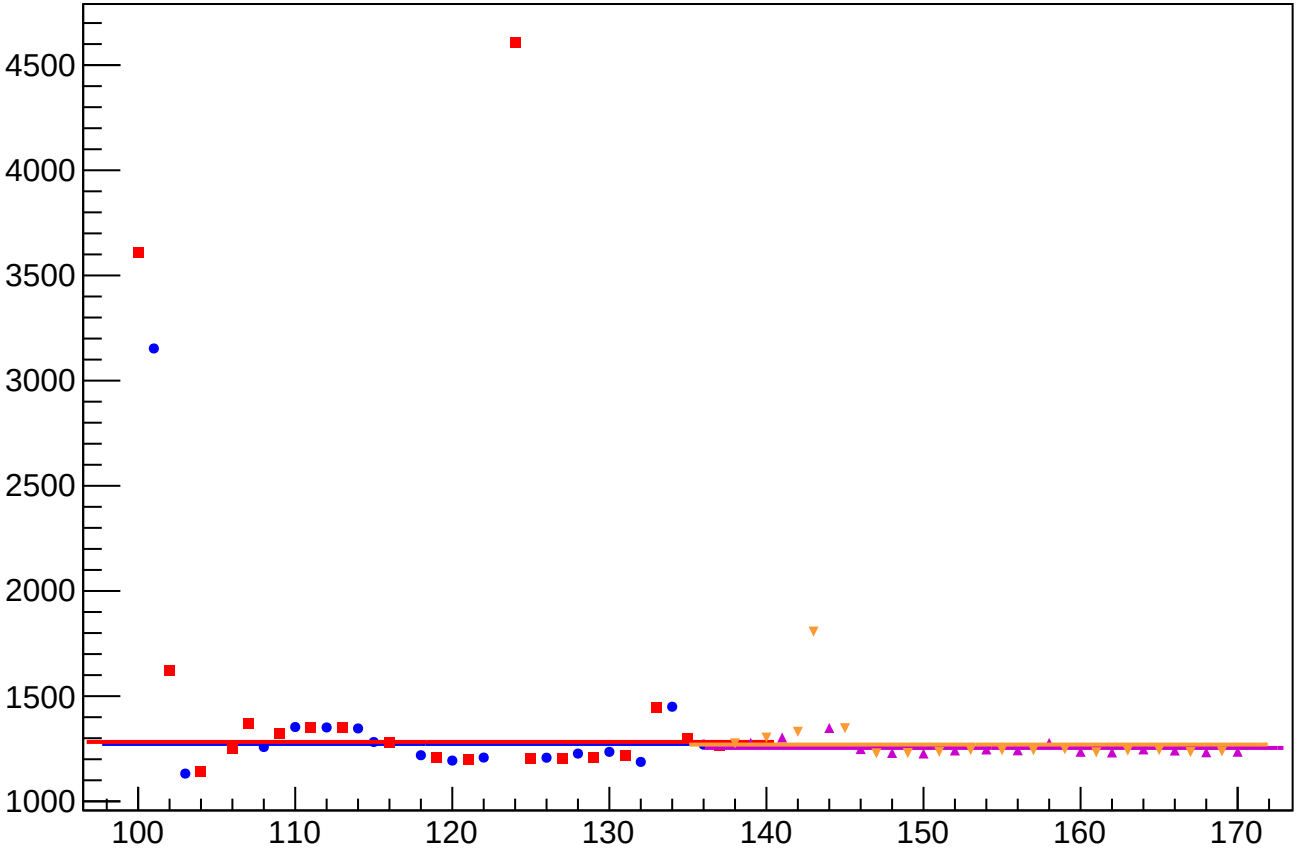
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 166.588+/-280.591 χ^2/NDF:29.4/31

Out: -314.723+/-281.512 χ^2/NDF:34.9/35

All: -73.279+/-198.733 χ^2/NDF: 65.8/67

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

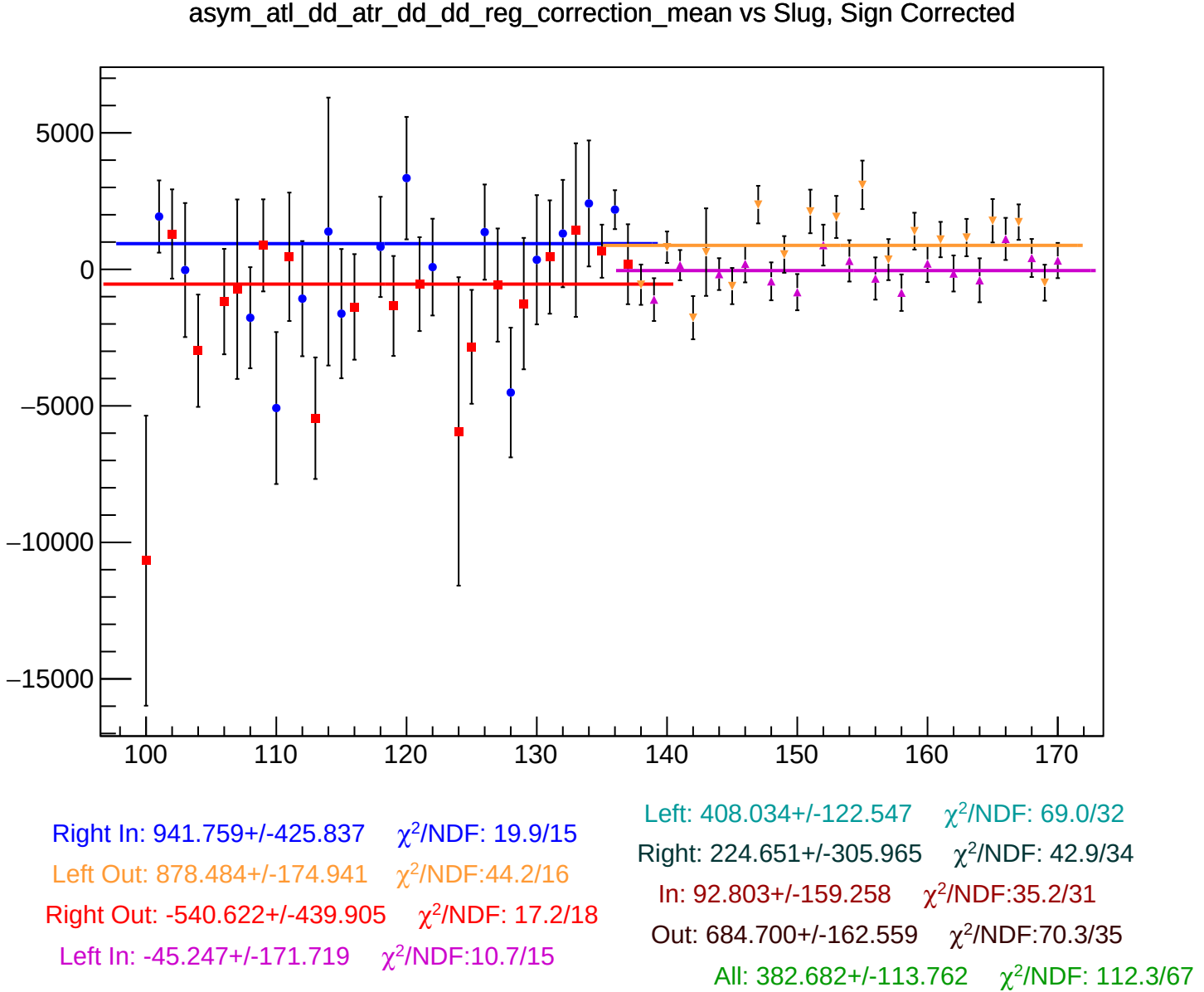
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

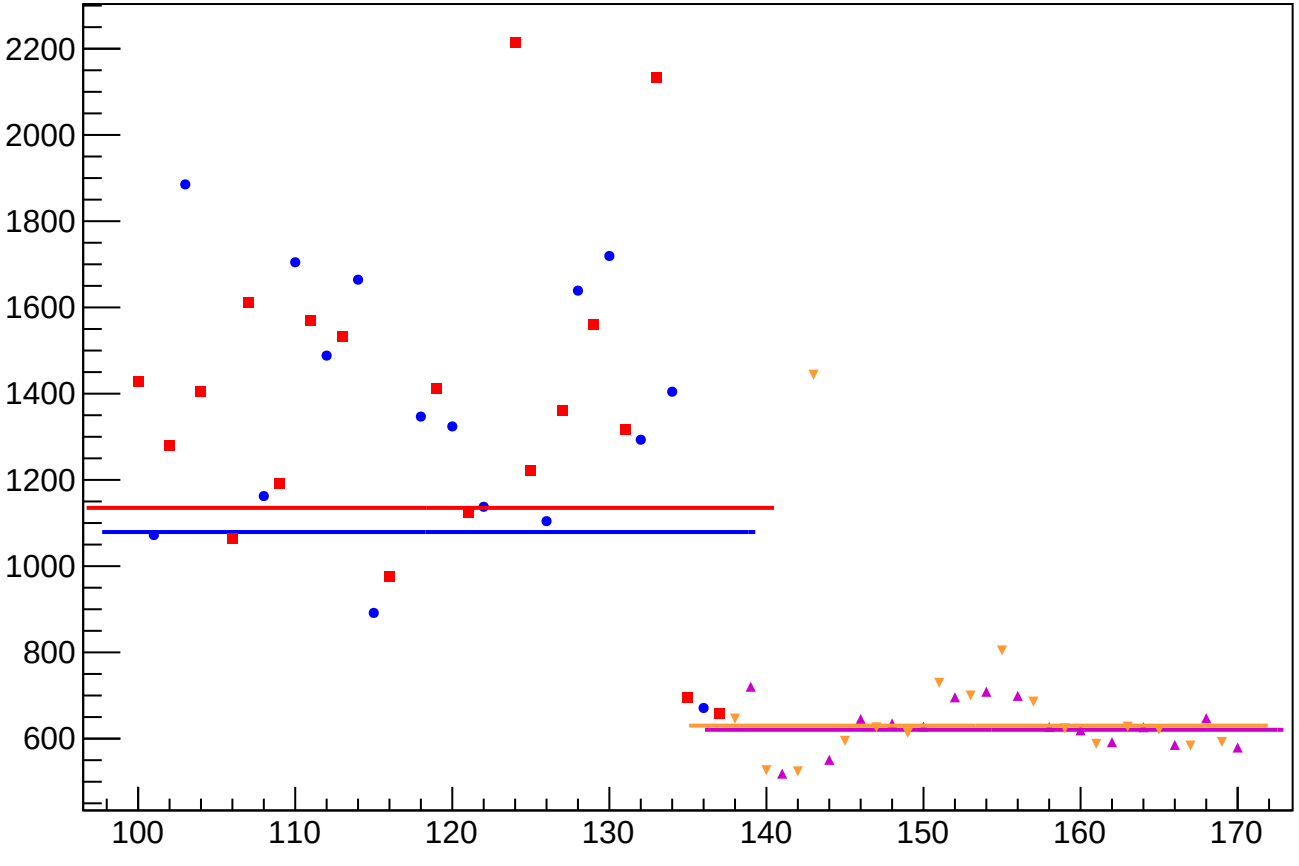
In: 1260.268+/-0.198 χ^2/NDF:537681.5/31

Out: 1274.165+/-0.199 χ^2/NDF:488866.0/35

All: 1267.194+/-0.141 χ^2/NDF: 1028992.3/67


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 878.484+/-174.941 χ²/NDF:44.2/16
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -45.247+/-171.719 χ²/NDF:10.7/15
Left: 408.034+/-122.547 χ²/NDF: 69.0/32
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 92.803+/-159.258 χ²/NDF:35.2/31
Out: 684.700+/-162.559 χ²/NDF:70.3/35
All: 382.682+/-113.762 χ²/NDF: 112.3/67

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 630.159+/-0.124 χ^2/NDF:784478.4/16

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 620.511+/-0.121 χ^2/NDF:219548.1/15

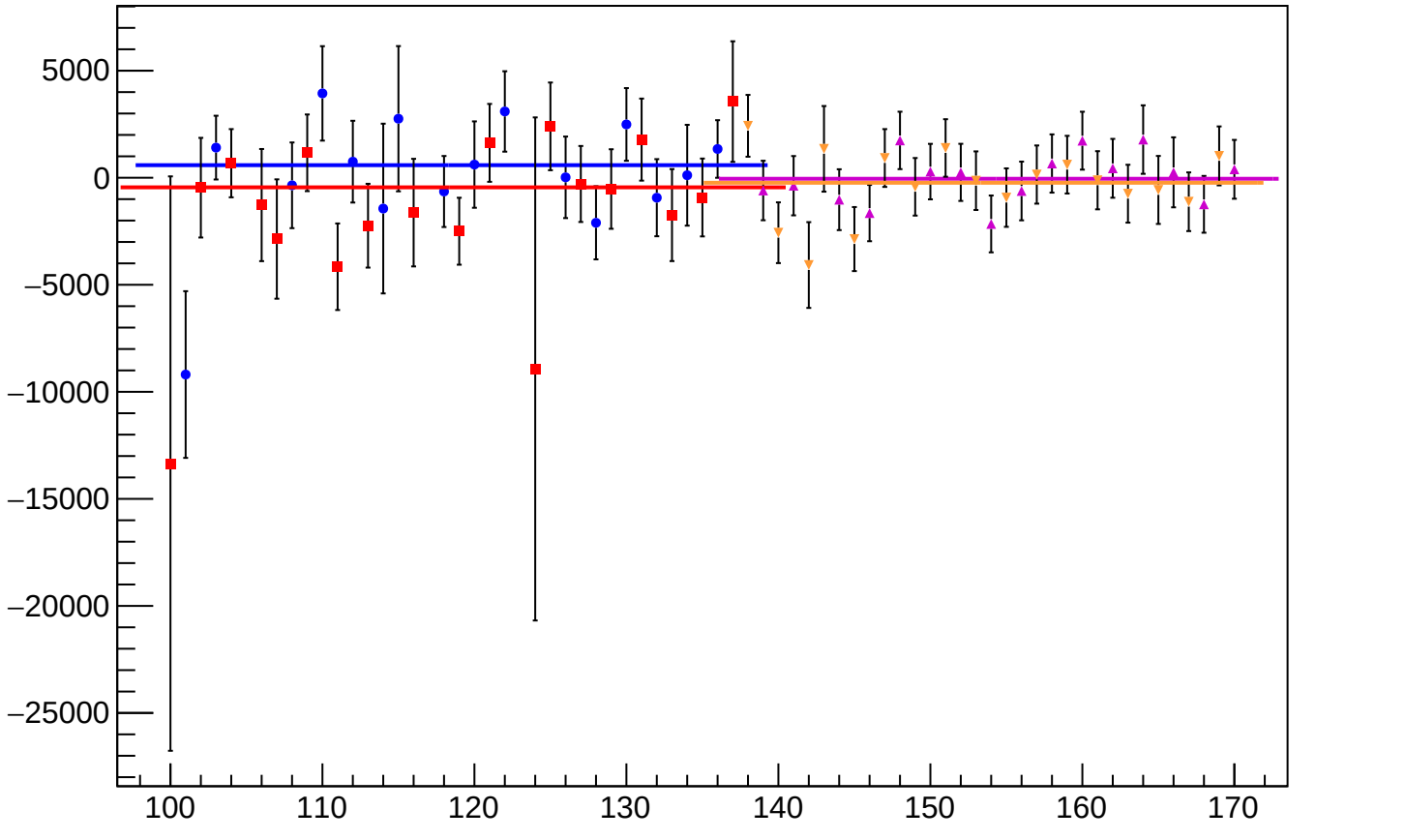
Left: 625.245+/-0.087 χ^2/NDF: 1007124.7/32

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 684.655+/-0.113 χ^2/NDF:3697012.4/31

Out: 699.119+/-0.115 χ^2/NDF:4353355.9/35

All: 691.739+/-0.080 χ^2/NDF: 8058447.1/67



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.182+/-347.367 χ^2/NDF:17.9/16

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -48.349+/-344.934 χ^2/NDF:11.2/15

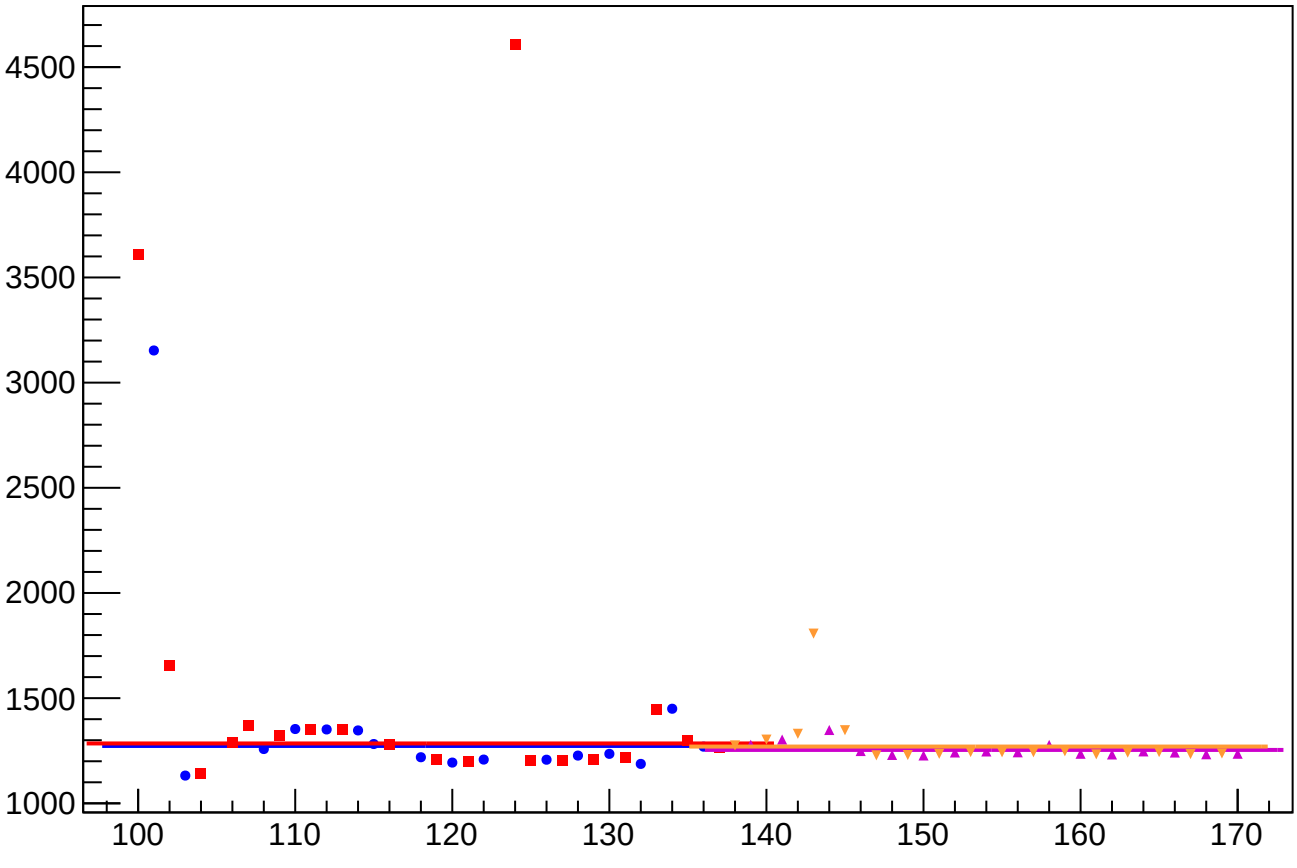
Left: -140.613+/-244.761 χ^2/NDF: 29.2/32

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -307.547+/-281.676 χ^2/NDF:34.8/35

All: -69.528+/-198.790 χ^2/NDF: 65.6/67



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

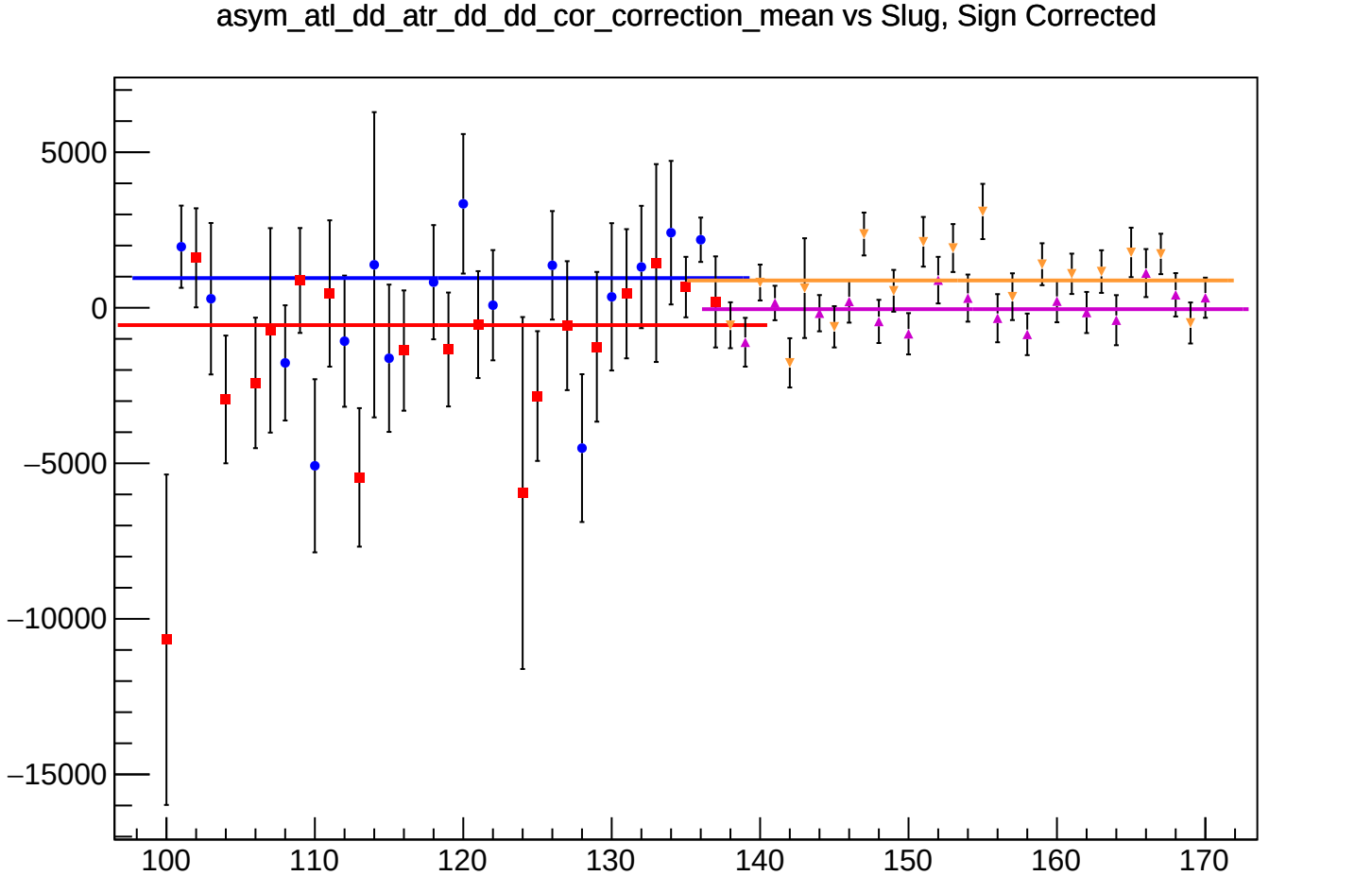
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

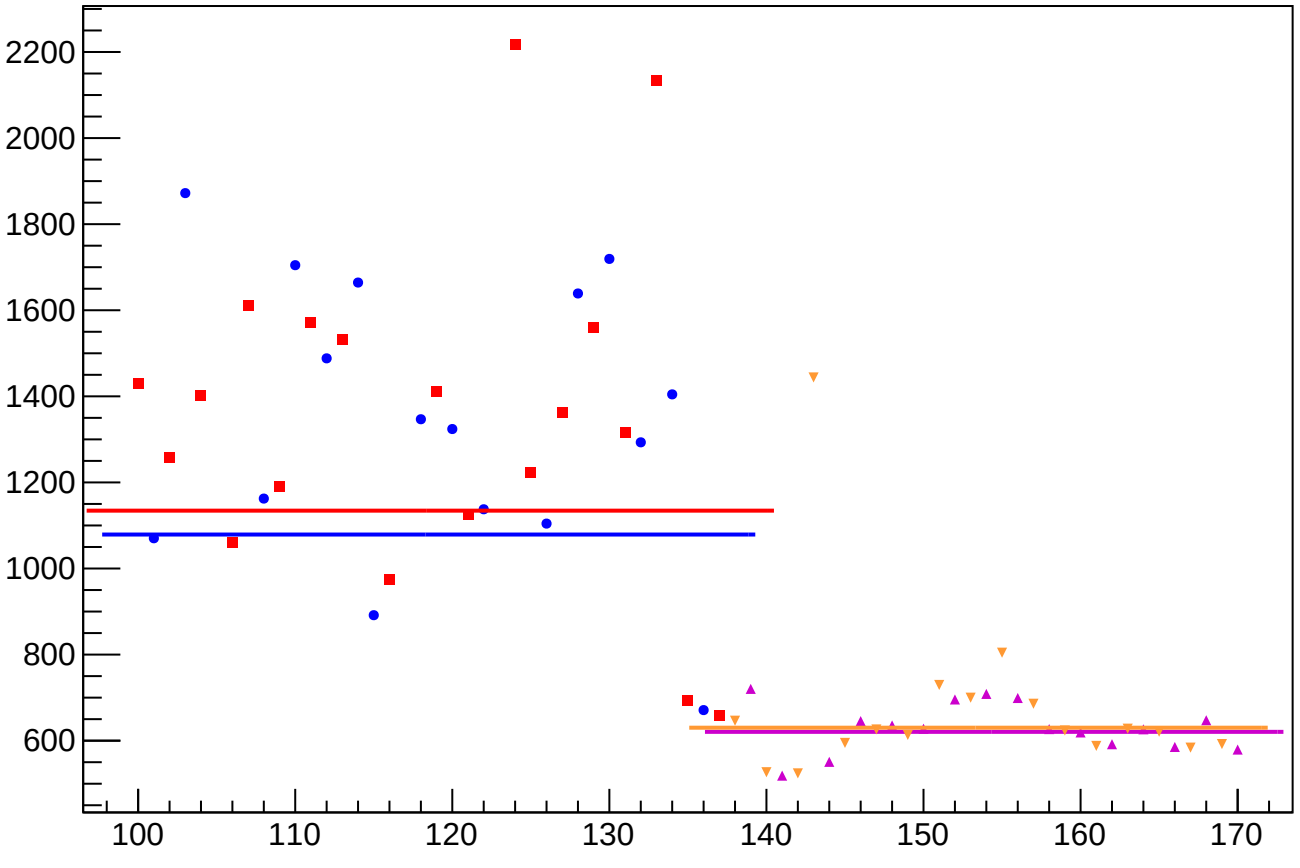
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1274.940+/-0.199 χ^2/NDF:495874.5/35

All: 1267.576+/-0.141 χ^2/NDF: 1036280.8/67


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 878.469+/-174.943 χ²/NDF:44.2/16
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -45.226+/-171.718 χ²/NDF:10.7/15
Left: 408.031+/-122.547 χ²/NDF: 69.0/32
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 94.652+/-159.248 χ²/NDF:35.3/31
Out: 682.976+/-162.603 χ²/NDF:71.7/35
All: 382.683+/-113.773 χ²/NDF: 113.7/67



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.165+/-0.124 χ^2/NDF:784386.8/16

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

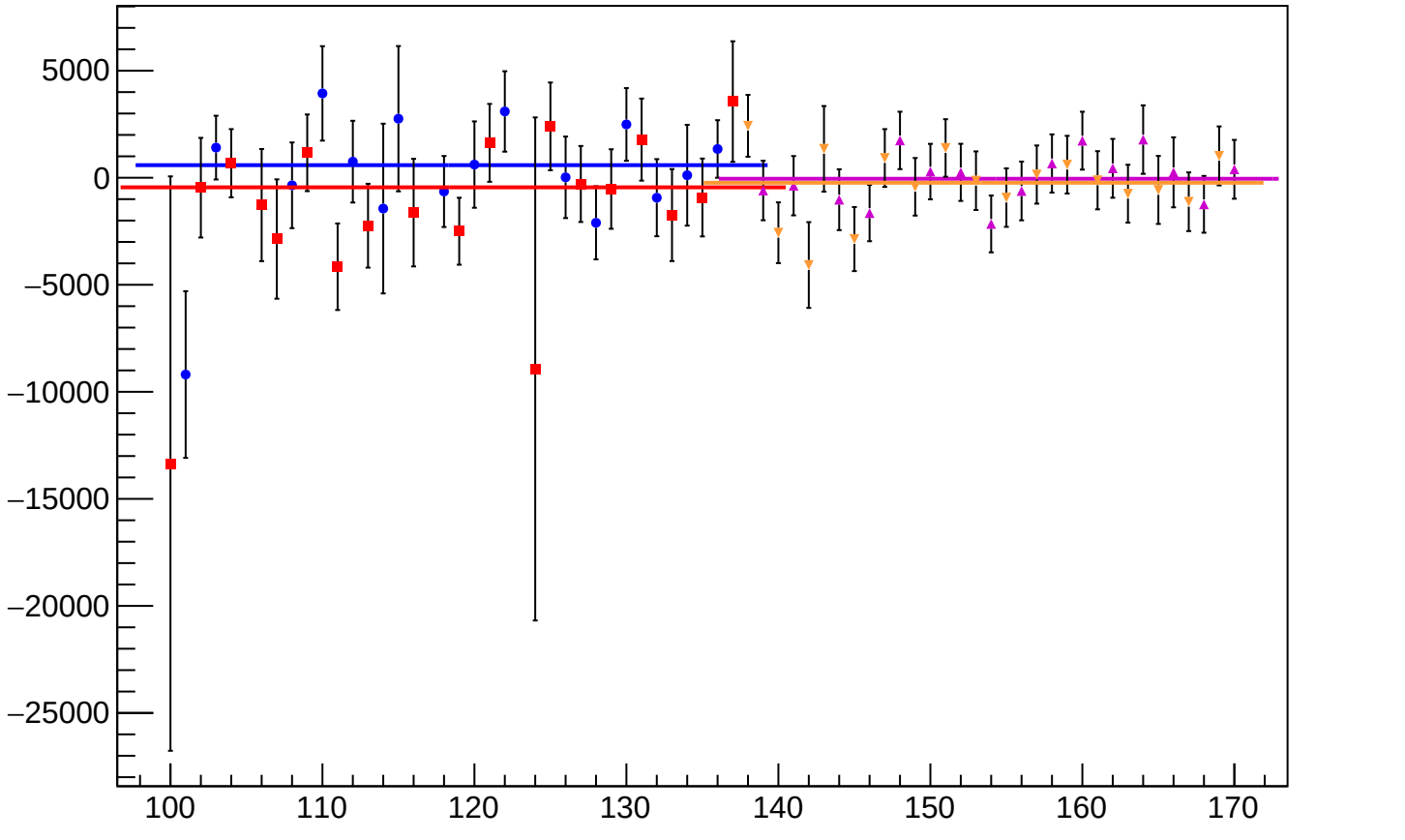
Left: 625.246+/-0.087 χ^2/NDF: 1007074.4/32

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 698.795+/-0.115 χ^2/NDF:4334844.8/35

All: 691.585+/-0.080 χ^2/NDF: 8035912.8/67



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.182+/-347.367 χ^2/NDF:17.9/16

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -48.349+/-344.934 χ^2/NDF:11.2/15

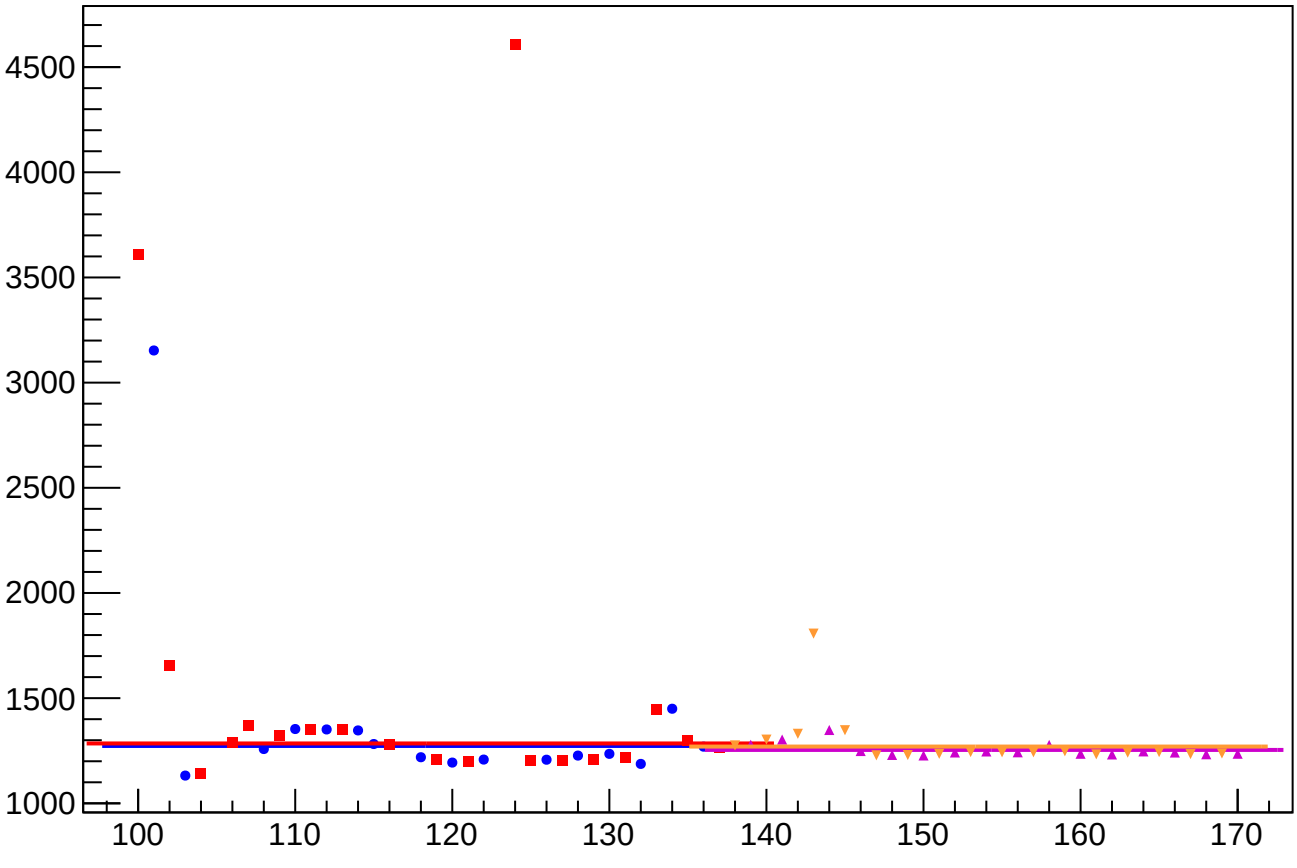
Left: -140.613+/-244.761 χ^2/NDF: 29.2/32

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -307.547+/-281.676 χ^2/NDF:34.8/35

All: -69.528+/-198.790 χ^2/NDF: 65.6/67



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

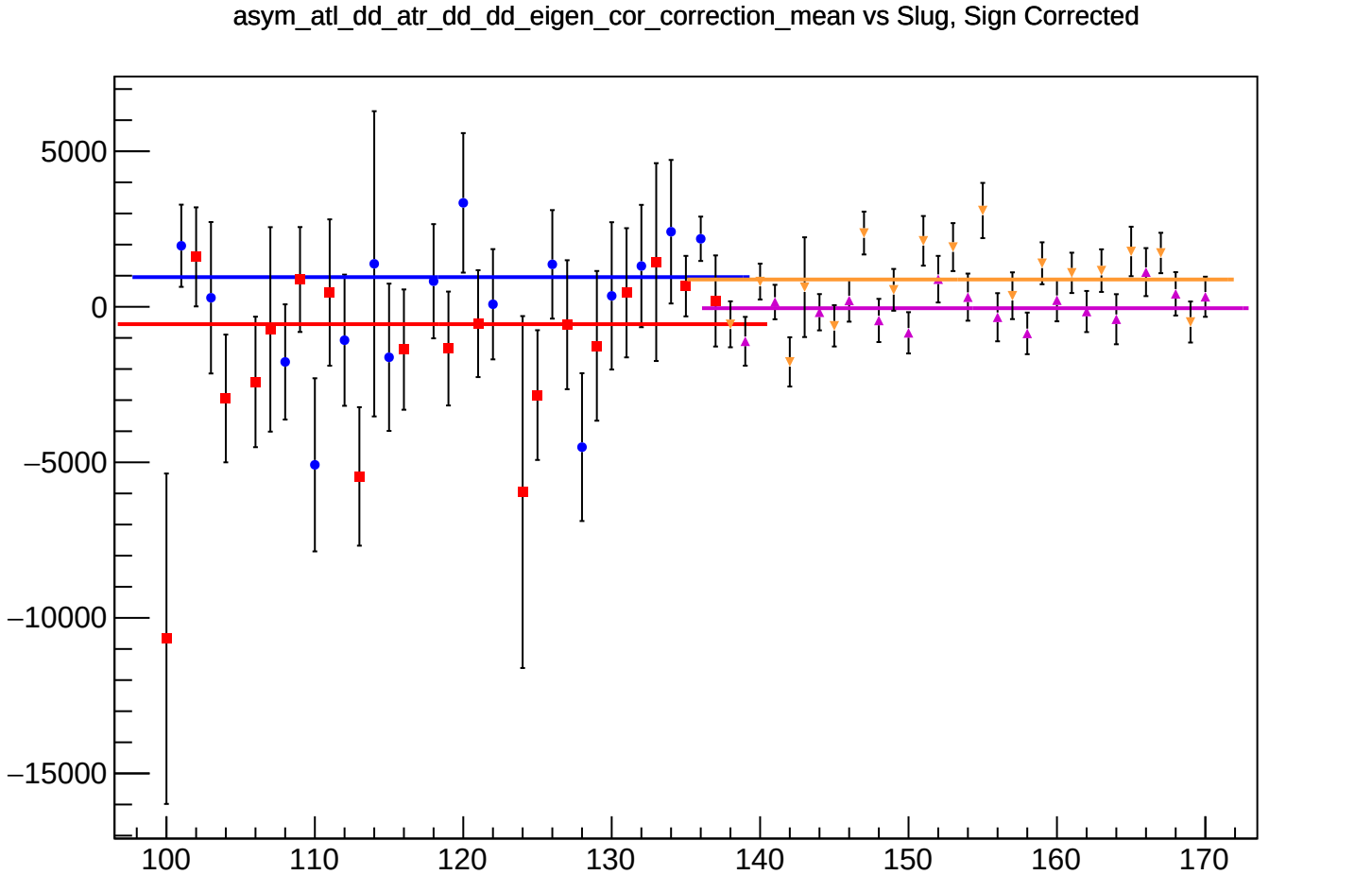
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1274.940+/-0.199 χ^2/NDF:495874.5/35

All: 1267.576+/-0.141 χ^2/NDF: 1036280.8/67



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 878.469+/-174.943 χ^2/NDF:44.2/16

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -45.226+/-171.718 χ^2/NDF:10.7/15

Left: 408.031+/-122.547 χ^2/NDF: 69.0/32

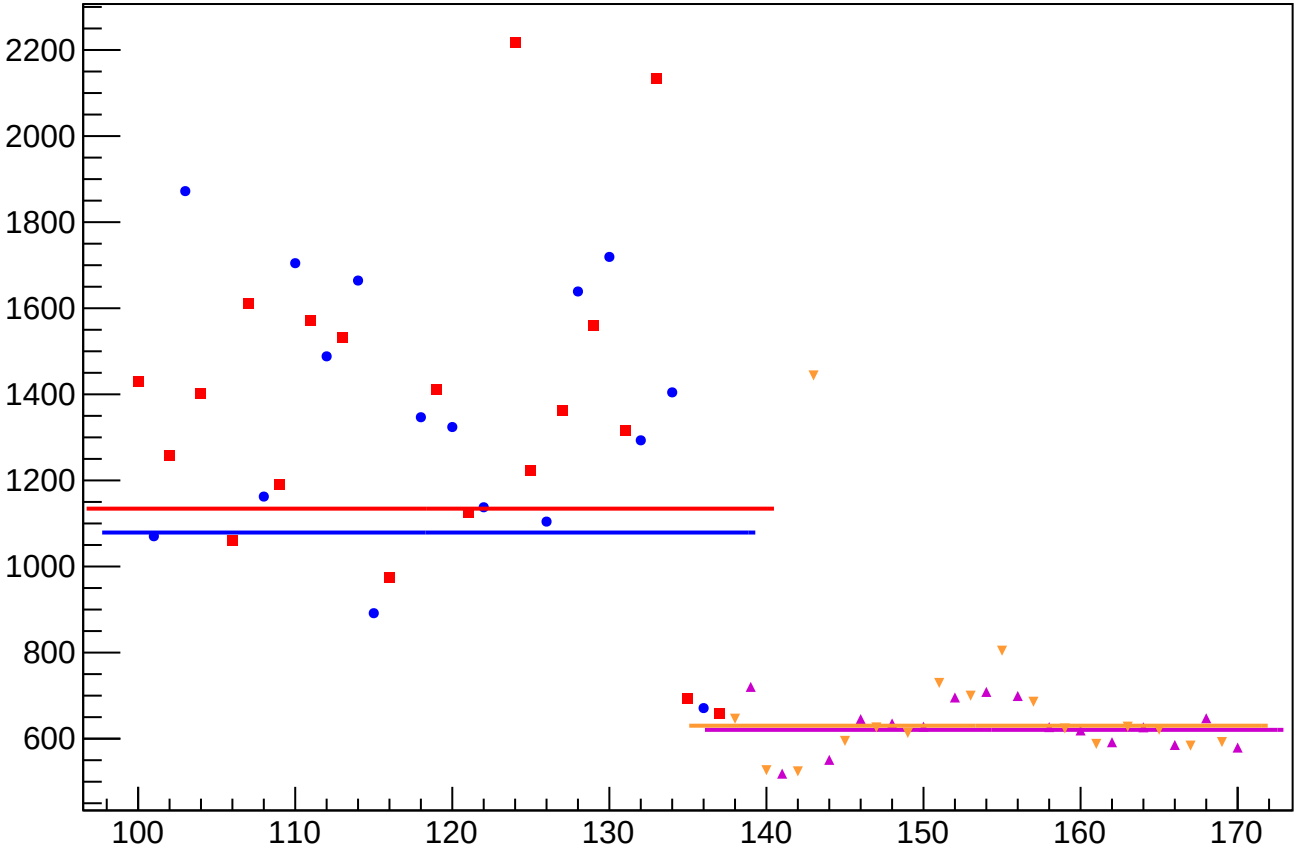
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 94.652+/-159.248 χ^2/NDF:35.3/31

Out: 682.976+/-162.603 χ^2/NDF:71.7/35

All: 382.683+/-113.773 χ^2/NDF: 113.7/67

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.165+/-0.124 χ^2/NDF:784386.8/16

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

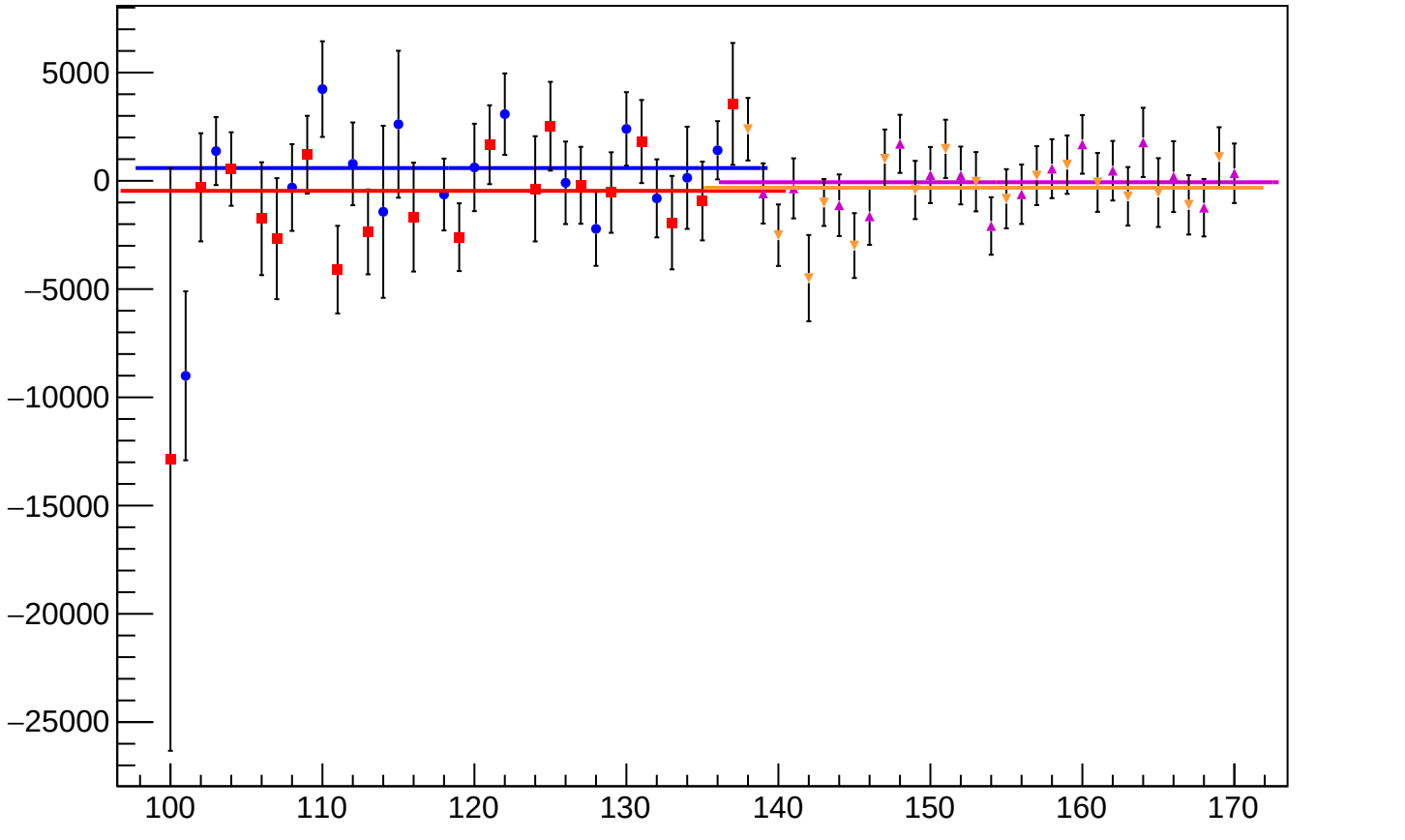
Left: 625.246+/-0.087 χ^2/NDF: 1007074.4/32

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 698.795+/-0.115 χ^2/NDF:4334844.8/35

All: 691.585+/-0.080 χ^2/NDF: 8035912.8/67



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -321.749+/-335.608 χ^2/NDF:19.1/16

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -65.098+/-345.215 χ^2/NDF:10.8/15

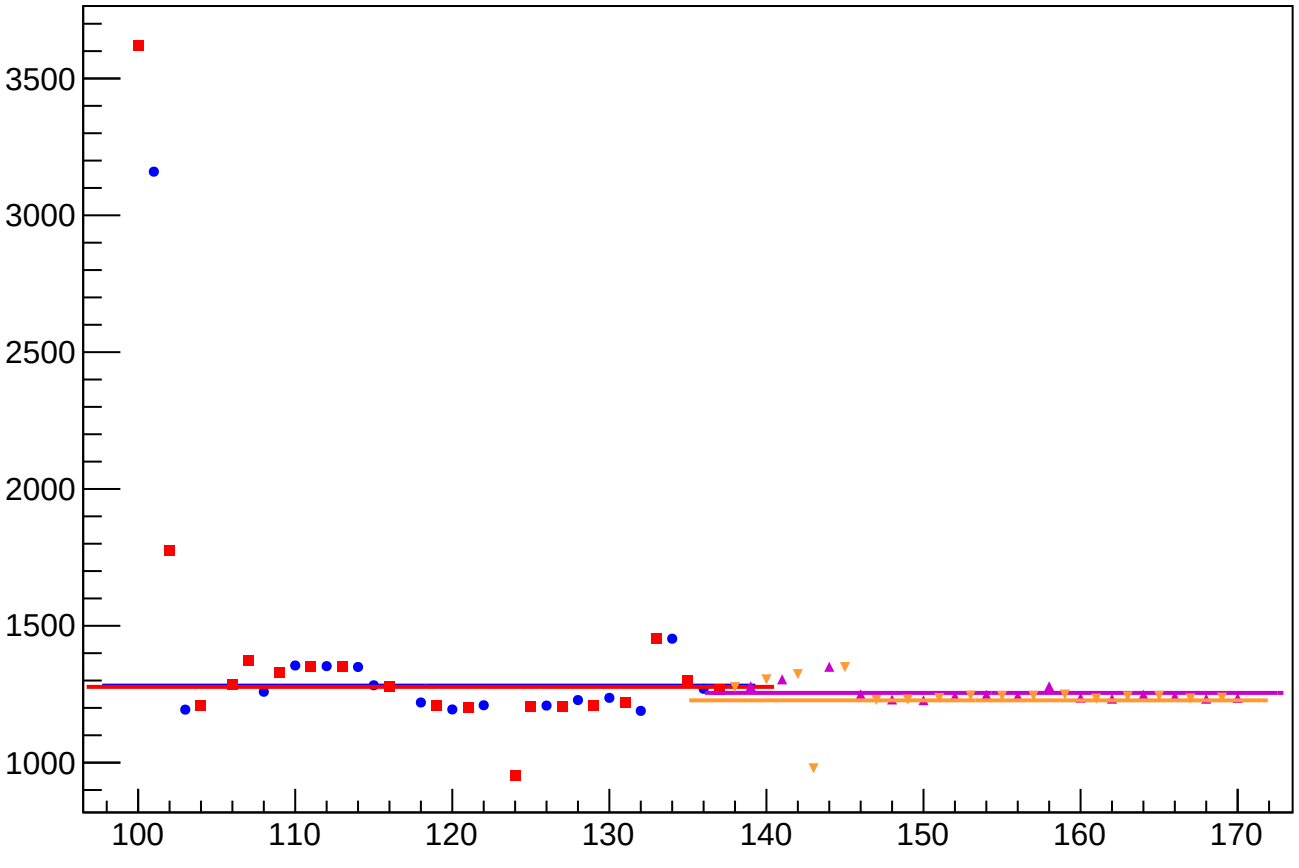
Left: -197.045+/-240.635 χ^2/NDF: 30.2/32

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 155.009+/-281.340 χ^2/NDF:29.1/31

Out: -368.416+/-274.439 χ^2/NDF:35.9/35

All: -113.201+/-196.452 χ^2/NDF: 66.7/67



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.608+/-0.237 χ^2/NDF:132896.8/16

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

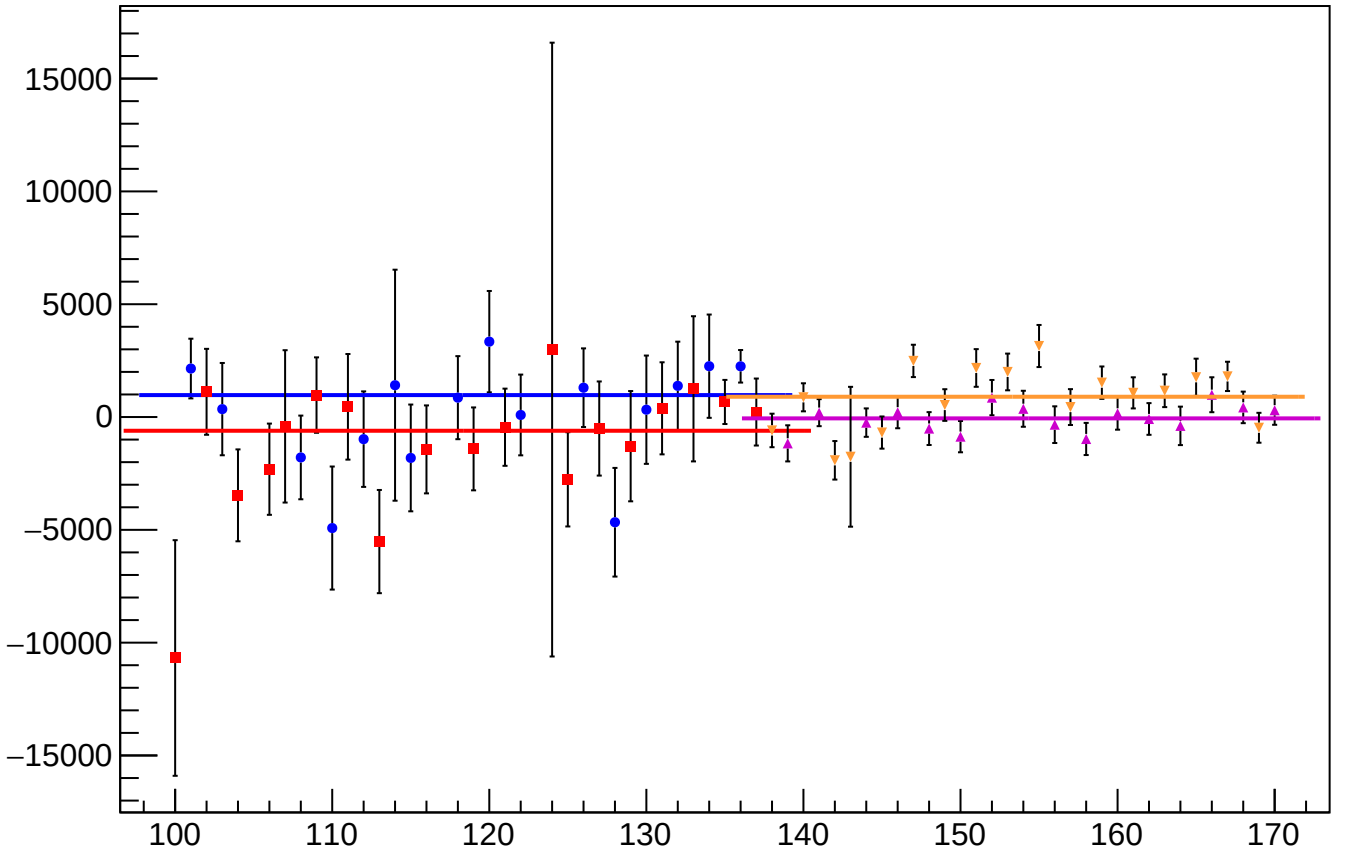
Left: 1240.858+/-0.170 χ^2/NDF: 155797.4/32

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527518.8/31

Out: 1243.926+/-0.194 χ^2/NDF:367681.1/35

All: 1253.603+/-0.139 χ^2/NDF: 900300.5/67



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 899.021+/-183.884 χ^2/NDF:44.4/16

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -59.943+/-179.784 χ^2/NDF:10.4/15

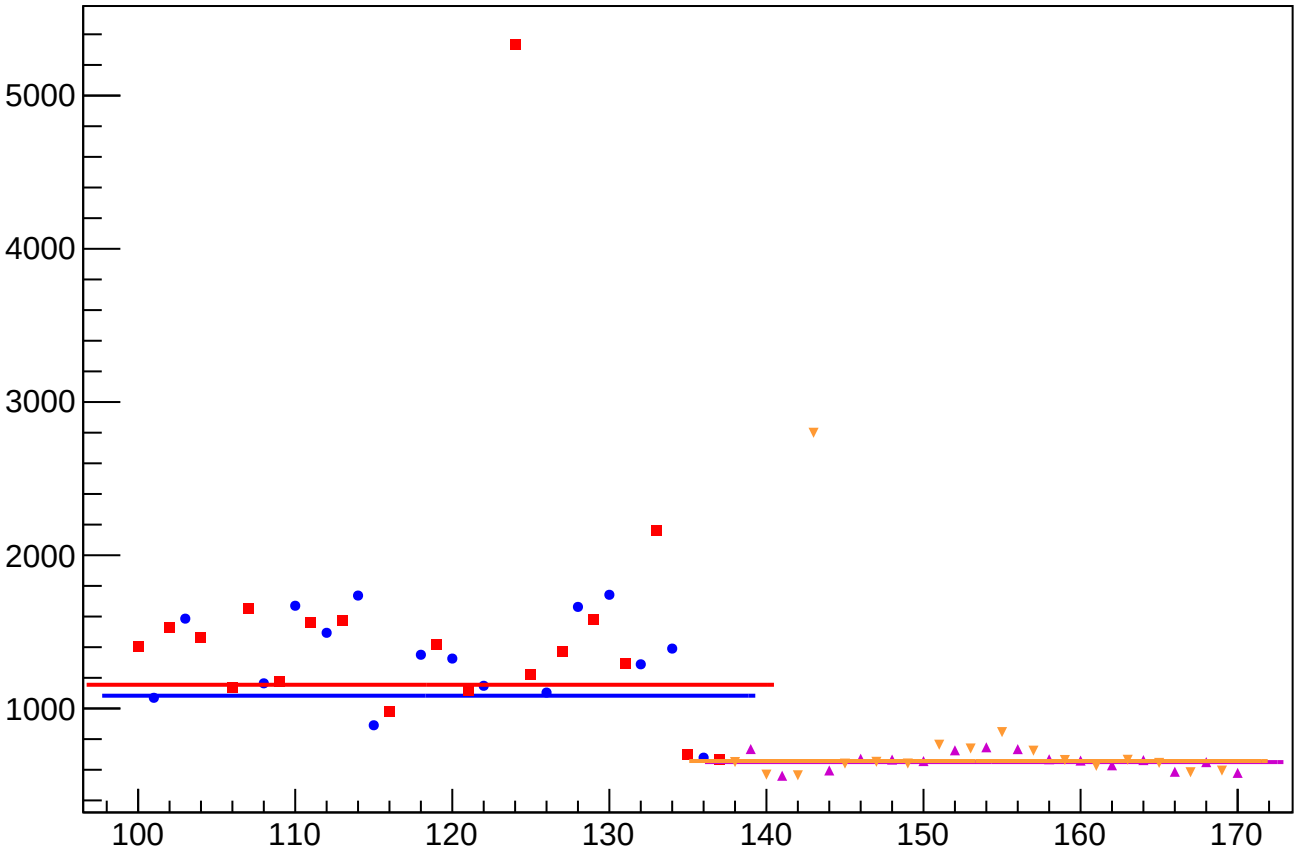
Left: 408.729+/-128.551 χ^2/NDF: 68.7/32

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 96.598+/-165.591 χ^2/NDF:35.8/31

Out: 681.452+/-170.097 χ^2/NDF:71.2/35

All: 381.176+/-118.652 χ^2/NDF: 113.1/67



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 657.104+/-0.130 χ^2/NDF:1220119.3/16

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 650.105+/-0.127 χ^2/NDF:196459.3/15

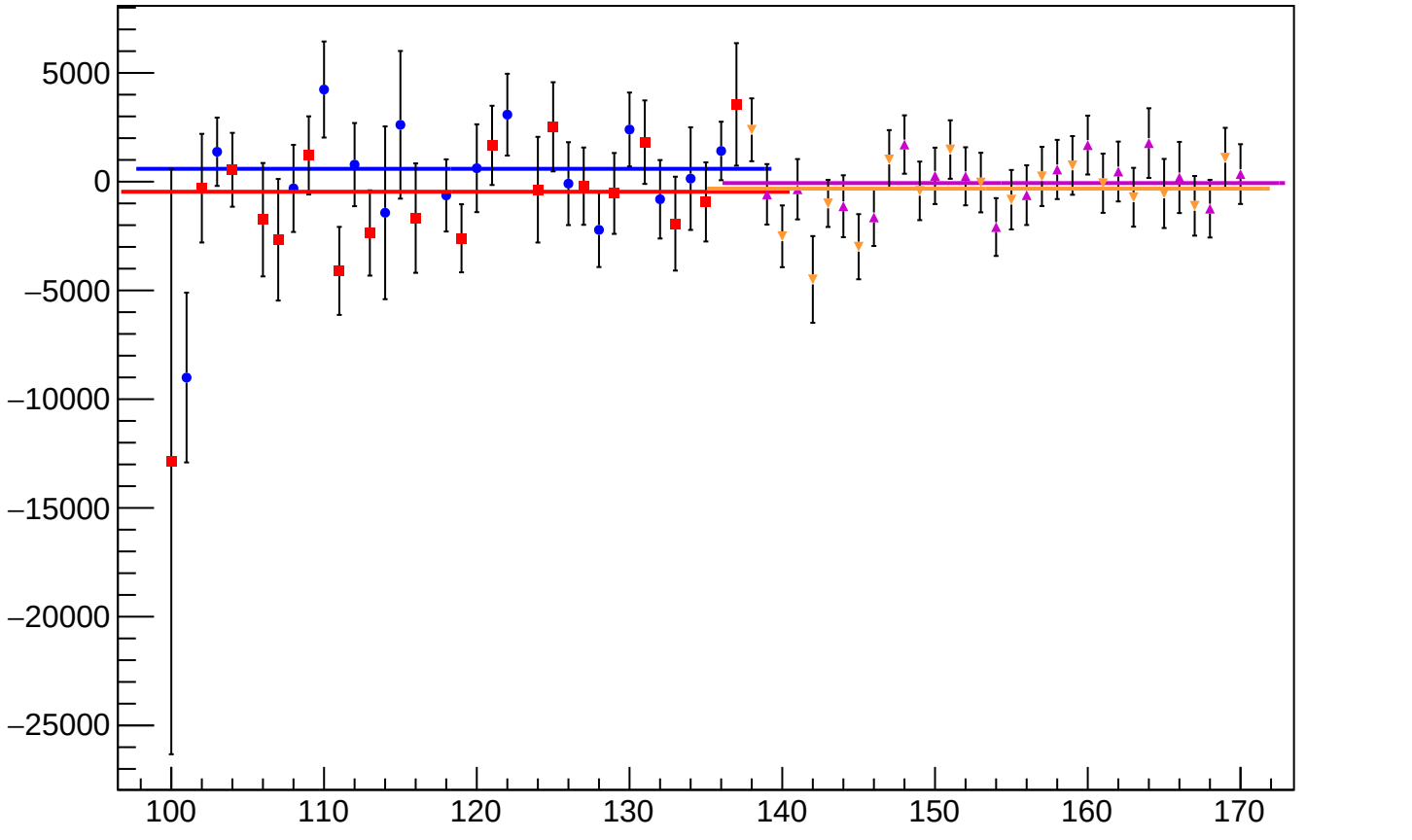
Left: 653.526+/-0.091 χ^2/NDF: 1418060.0/32

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 715.805+/-0.117 χ^2/NDF:3317839.5/31

Out: 728.925+/-0.120 χ^2/NDF:4822365.0/35

All: 722.189+/-0.084 χ^2/NDF: 8146313.2/67



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -321.751+/-335.608 χ^2/NDF:19.1/16

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -65.097+/-345.215 χ^2/NDF:10.8/15

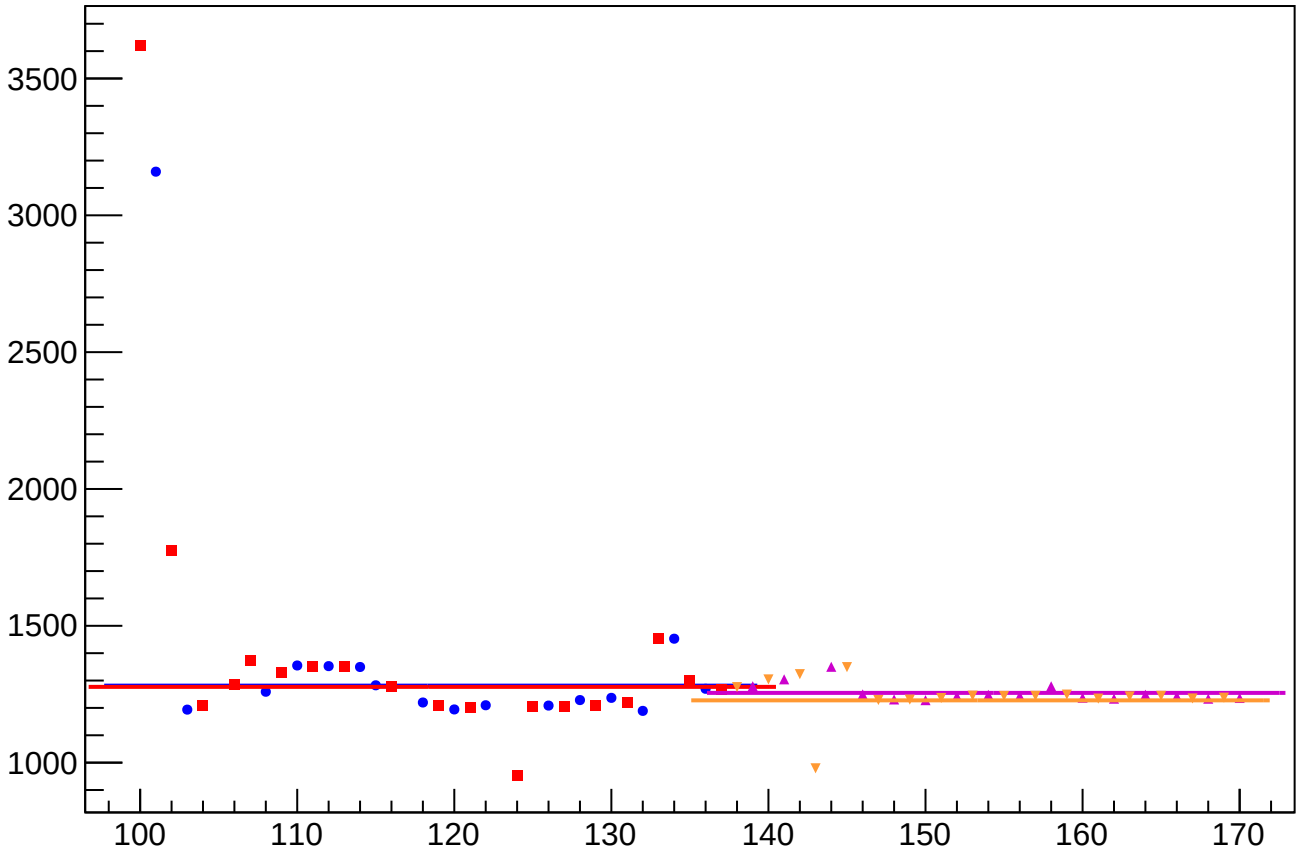
Left: -197.045+/-240.635 χ^2/NDF: 30.2/32

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 155.010+/-281.340 χ^2/NDF:29.1/31

Out: -368.417+/-274.439 χ^2/NDF:35.9/35

All: -113.201+/-196.452 χ^2/NDF: 66.7/67



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1227.608+/-0.237 χ^2/NDF:132896.0/16

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

Left: 1240.858+/-0.170 χ^2/NDF: 155796.6/32

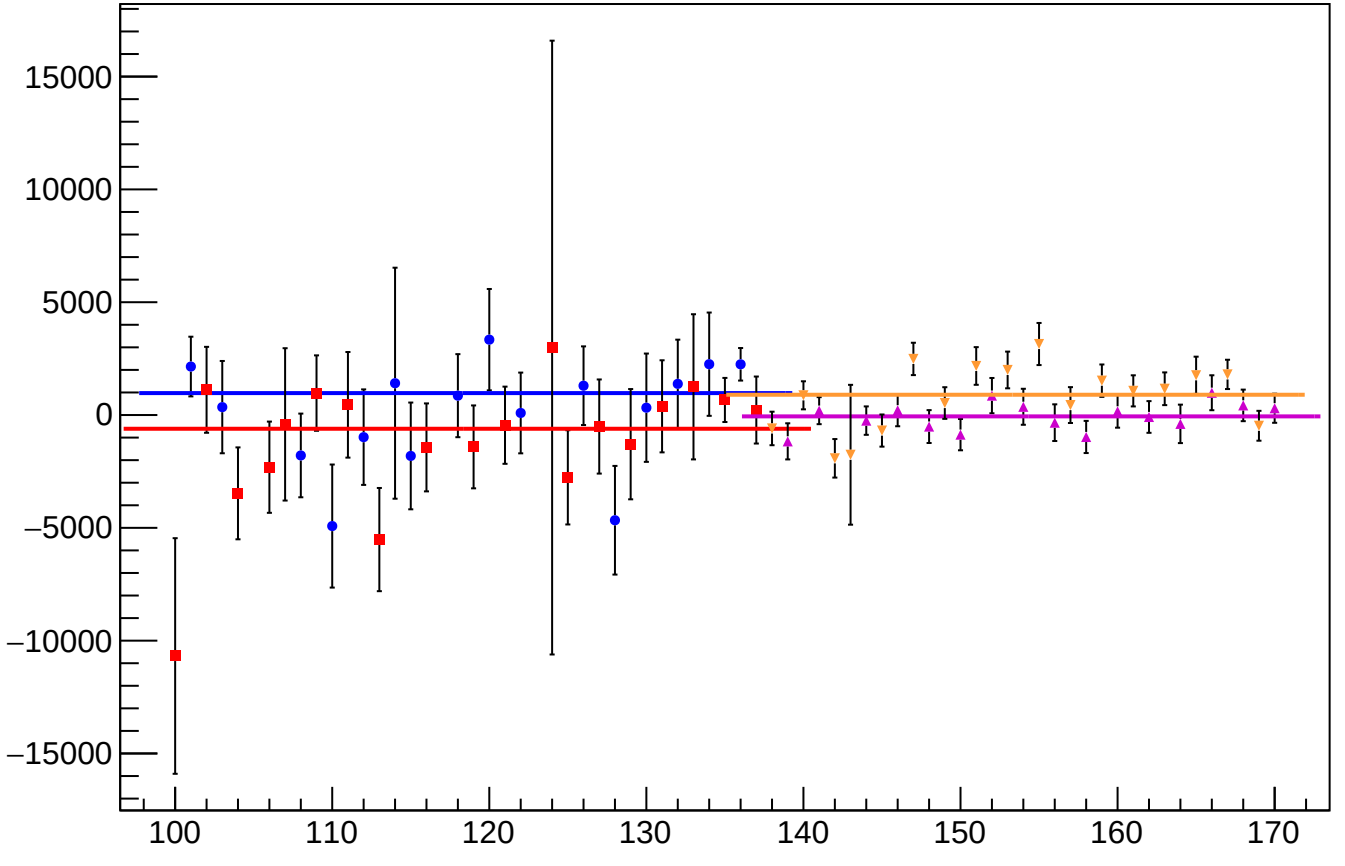
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527519.0/31

Out: 1243.926+/-0.194 χ^2/NDF:367680.1/35

All: 1253.603+/-0.139 χ^2/NDF: 900299.7/67

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: 899.023+/-183.884 χ^2/NDF:44.4/16

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -59.941+/-179.784 χ^2/NDF:10.4/15

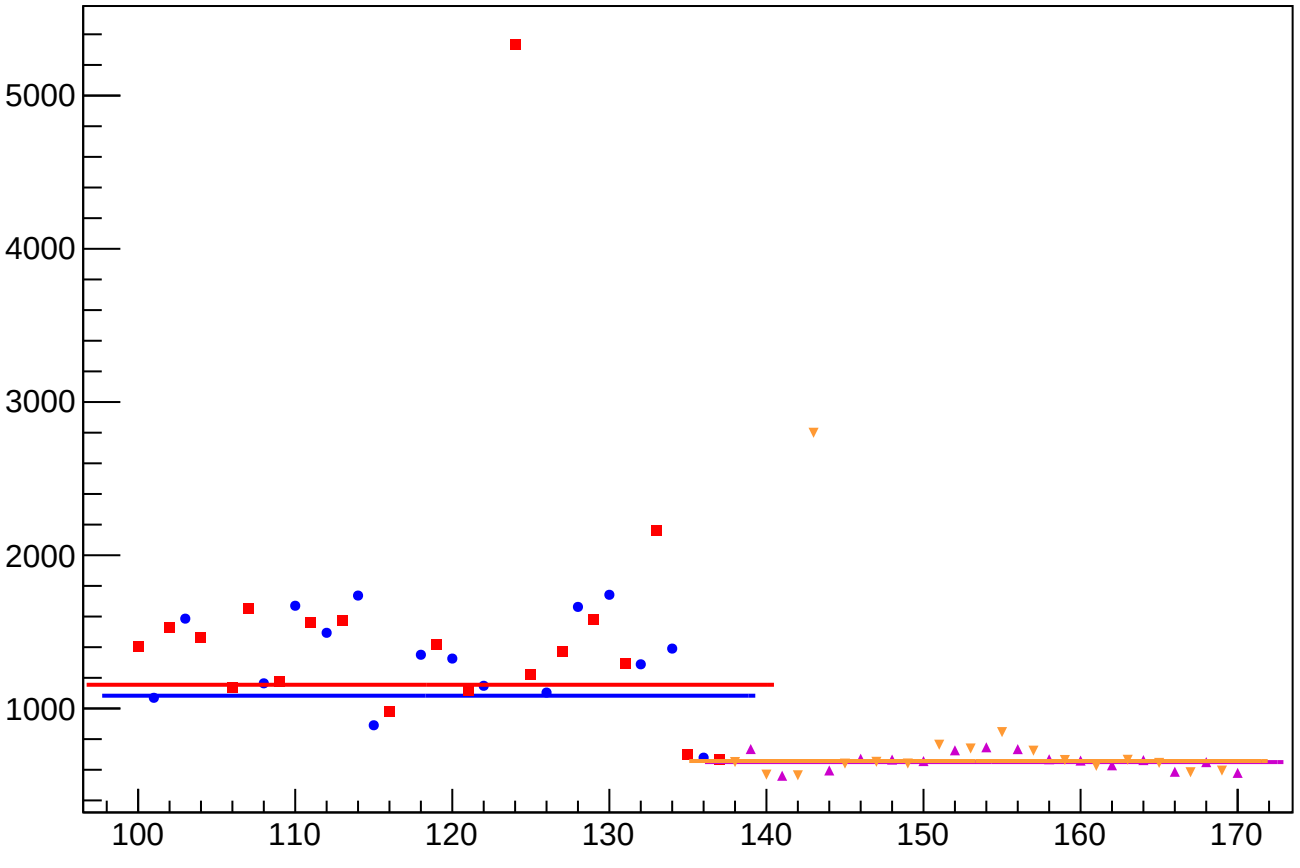
Left: 408.731+/-128.551 χ^2/NDF: 68.7/32

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 96.597+/-165.591 χ^2/NDF:35.8/31

Out: 681.454+/-170.097 χ^2/NDF:71.2/35

All: 381.176+/-118.652 χ^2/NDF: 113.1/67



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 657.104+/-0.130 χ^2/NDF:1220114.8/16

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 650.104+/-0.127 χ^2/NDF:196462.8/15

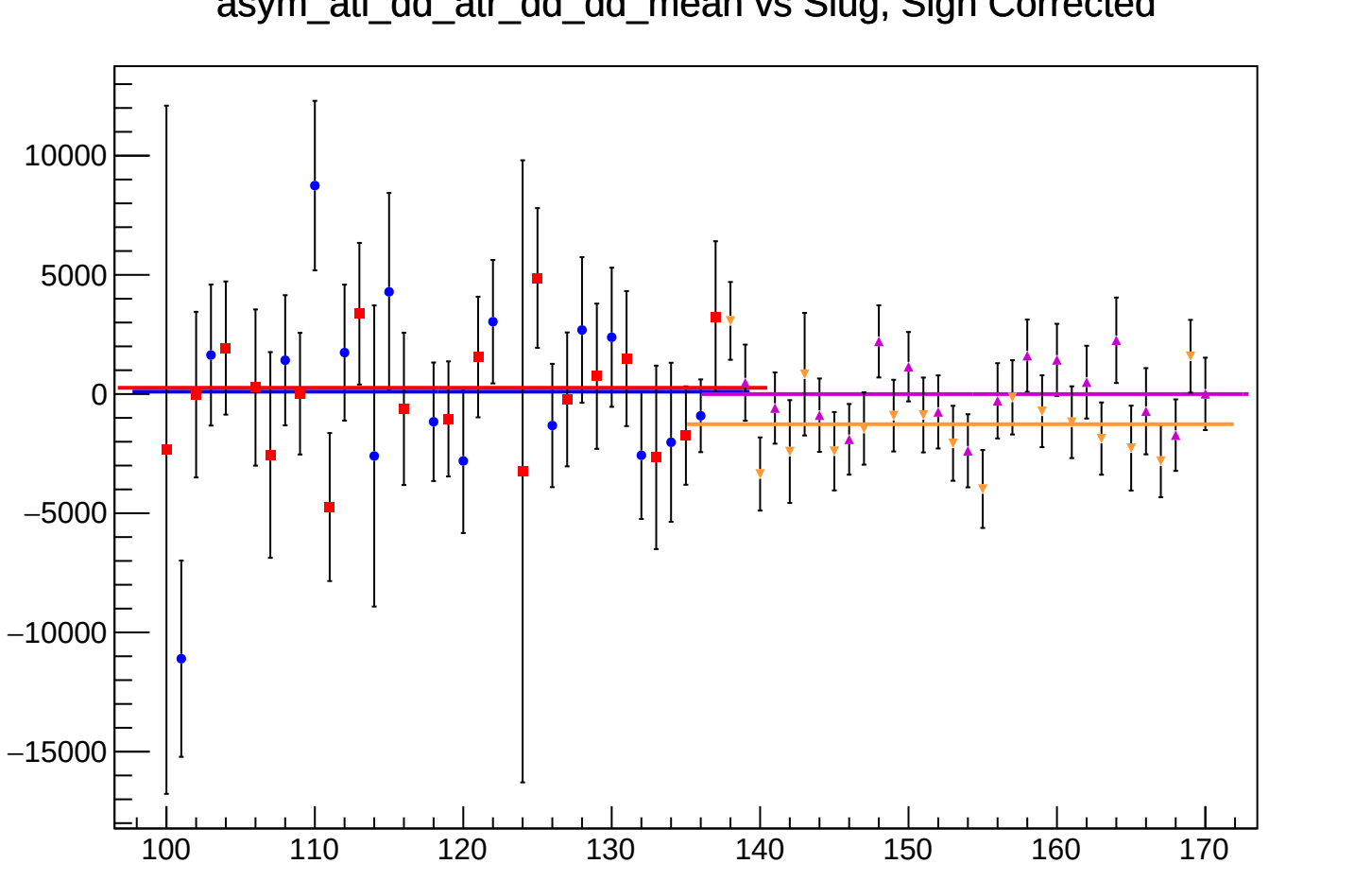
Left: 653.525+/-0.091 χ^2/NDF: 1418059.4/32

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 715.805+/-0.117 χ^2/NDF:3317831.3/31

Out: 728.926+/-0.120 χ^2/NDF:4822350.9/35

All: 722.190+/-0.084 χ^2/NDF: 8146291.8/67



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1264.590+/-392.127 χ^2/NDF:19.1/16

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 0.002+/-387.127 χ^2/NDF:12.8/15

Left: -624.181+/-275.491 χ^2/NDF: 37.2/32

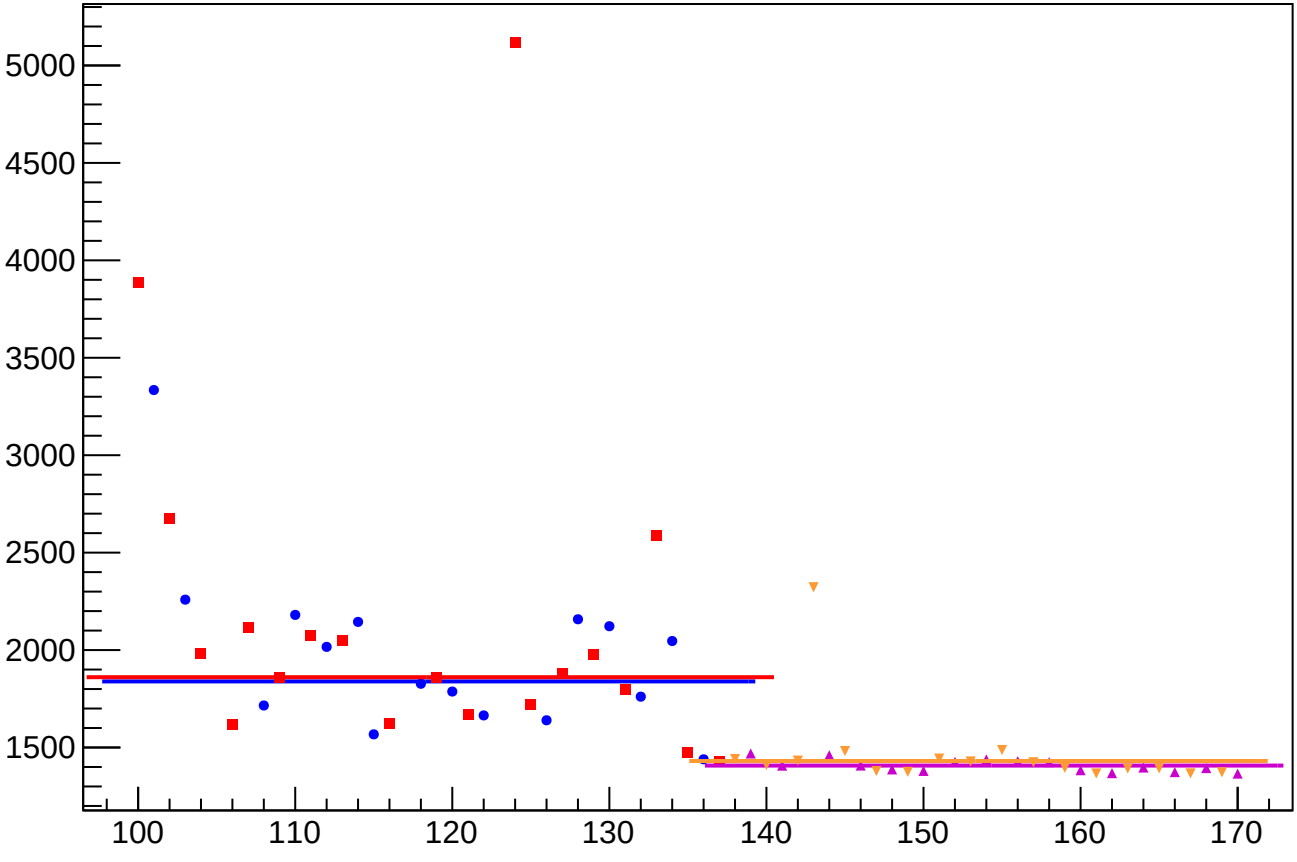
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 23.581+/-338.656 χ^2/NDF:34.1/31

Out: -899.570+/-342.074 χ^2/NDF:33.1/35

All: -433.359+/-240.665 χ^2/NDF: 70.9/67

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1430.716+/-0.277 χ^2/NDF:263571.5/16

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1407.223+/-0.274 χ^2/NDF:12431.6/15

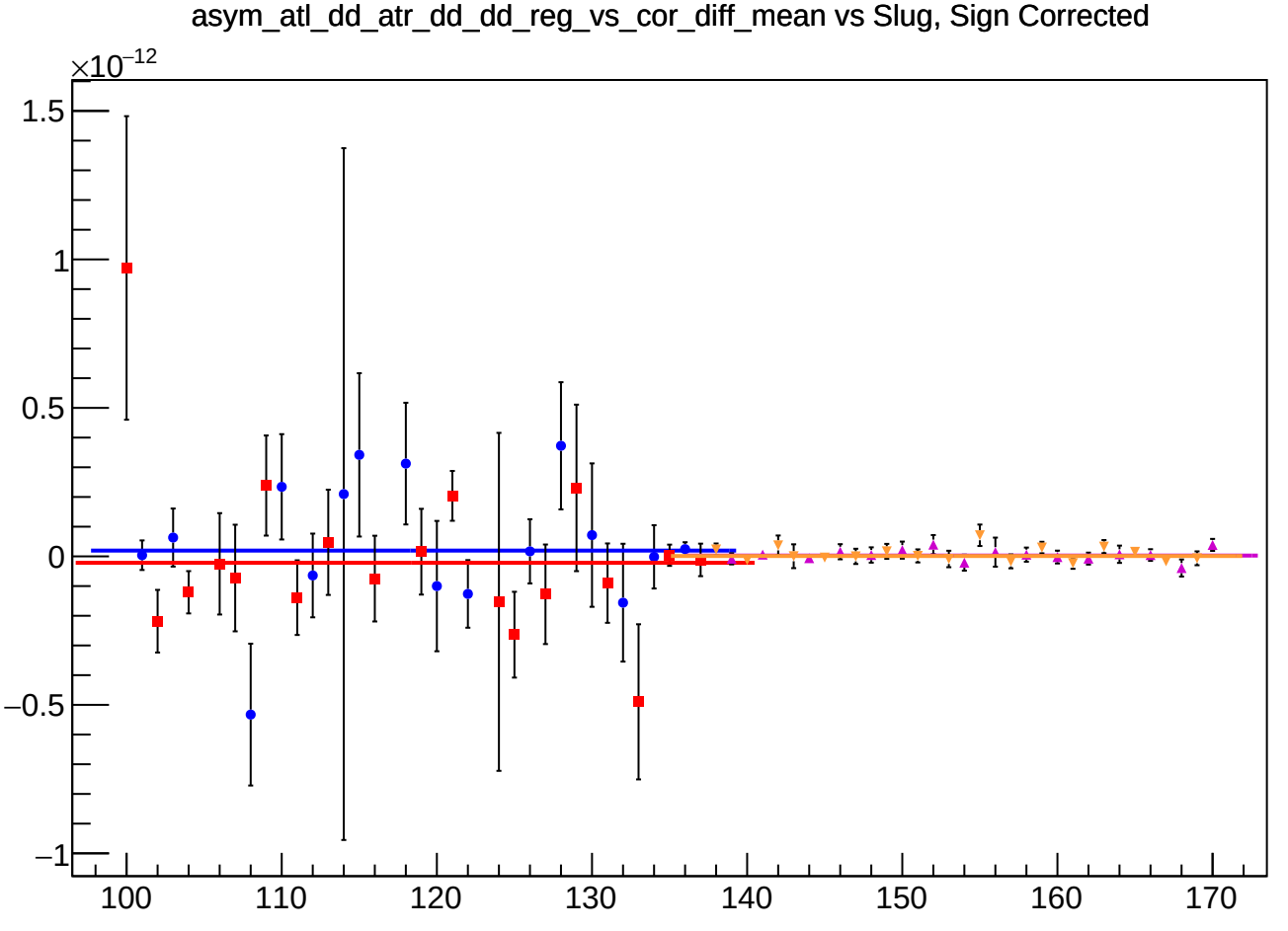
Left: 1418.819+/-0.195 χ^2/NDF: 279638.4/32

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1508.605+/-0.239 χ^2/NDF:1153481.4/31

Out: 1533.494+/-0.242 χ^2/NDF:1360576.8/35

All: 1520.924+/-0.170 χ^2/NDF: 2519405.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/15

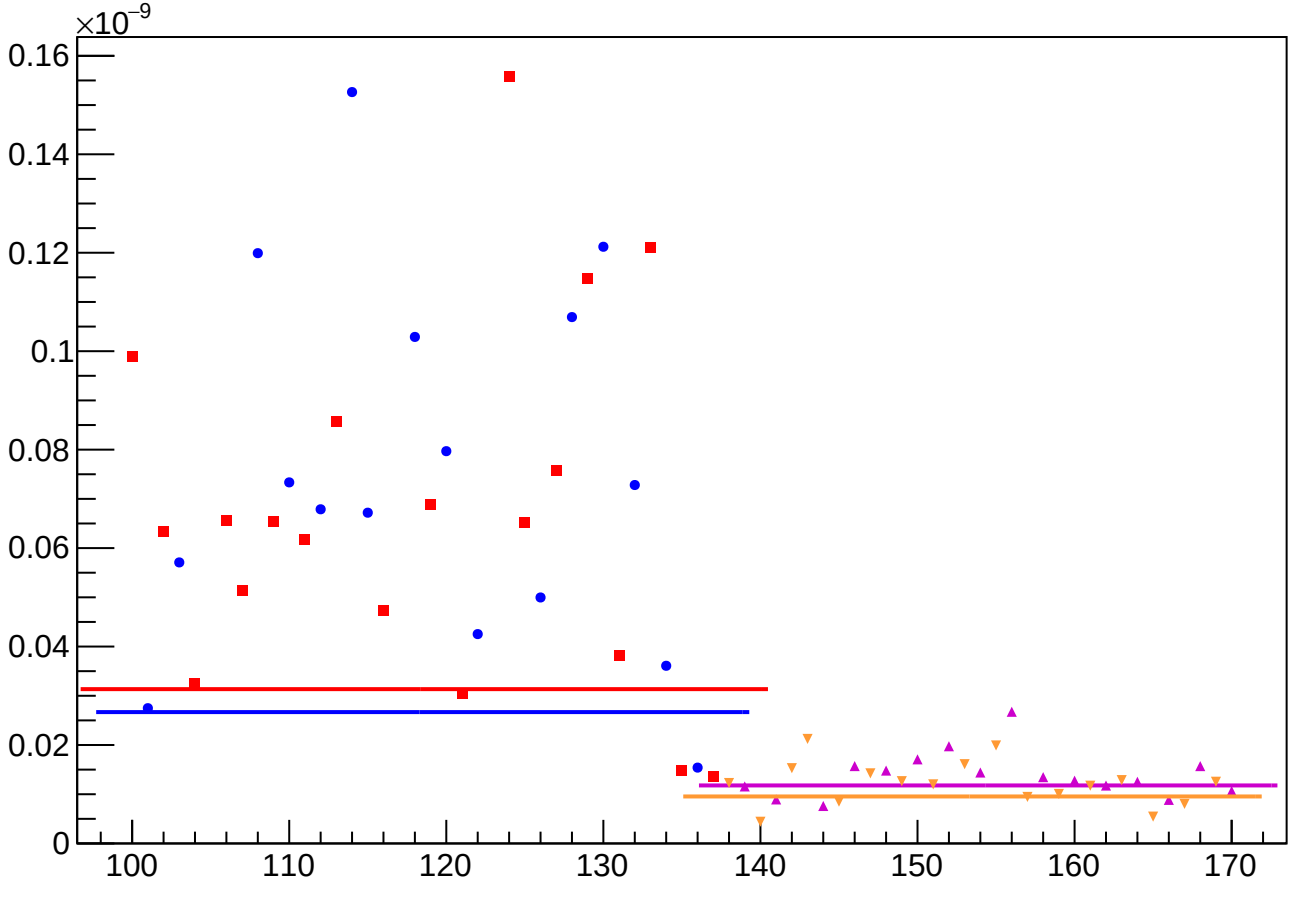
Left: 0.000+/-0.000 χ^2/NDF: 26.4/32

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/31

Out: 0.000+/-0.000 χ^2/NDF:46.4/35

All: 0.000+/-0.000 χ^2/NDF: 73.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390760.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831726.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2411803.8/32

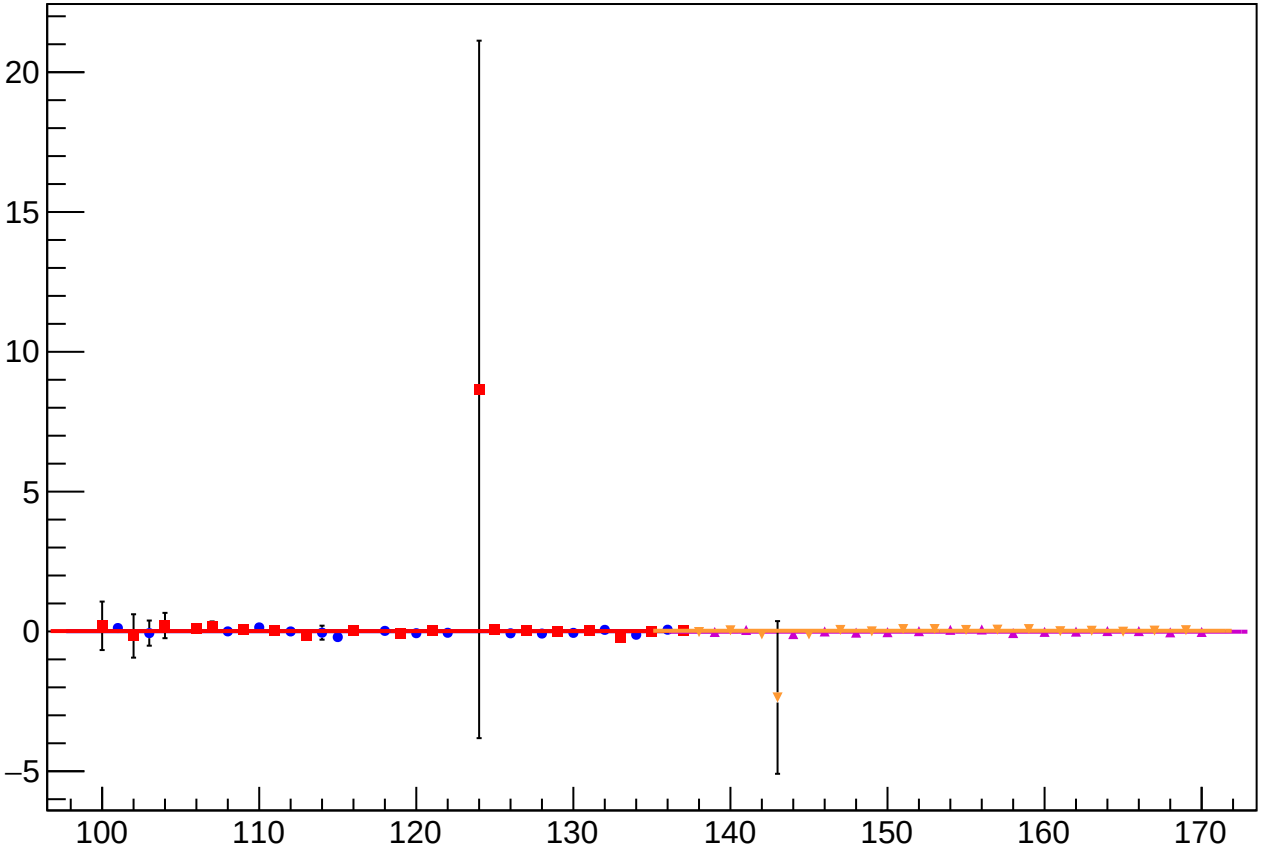
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4568775.0/31

Out: 0.000+/-0.000 χ^2/NDF:5494755.7/35

All: 0.000+/-0.000 χ^2/NDF: 10307534.4/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

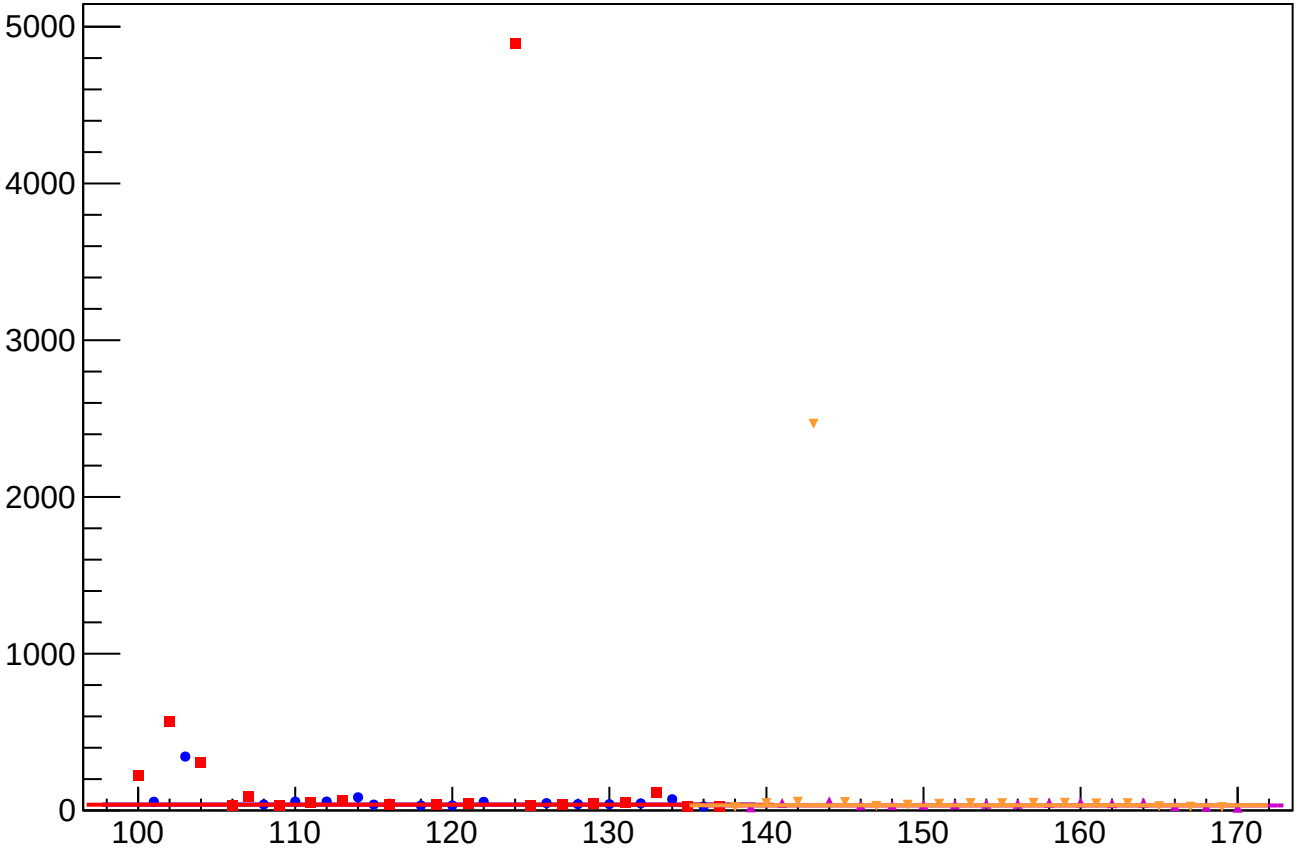
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.846+/-0.007 χ^2/NDF:3960562.7/16

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

Left: 32.350+/-0.005 χ^2/NDF: 6682223.6/32

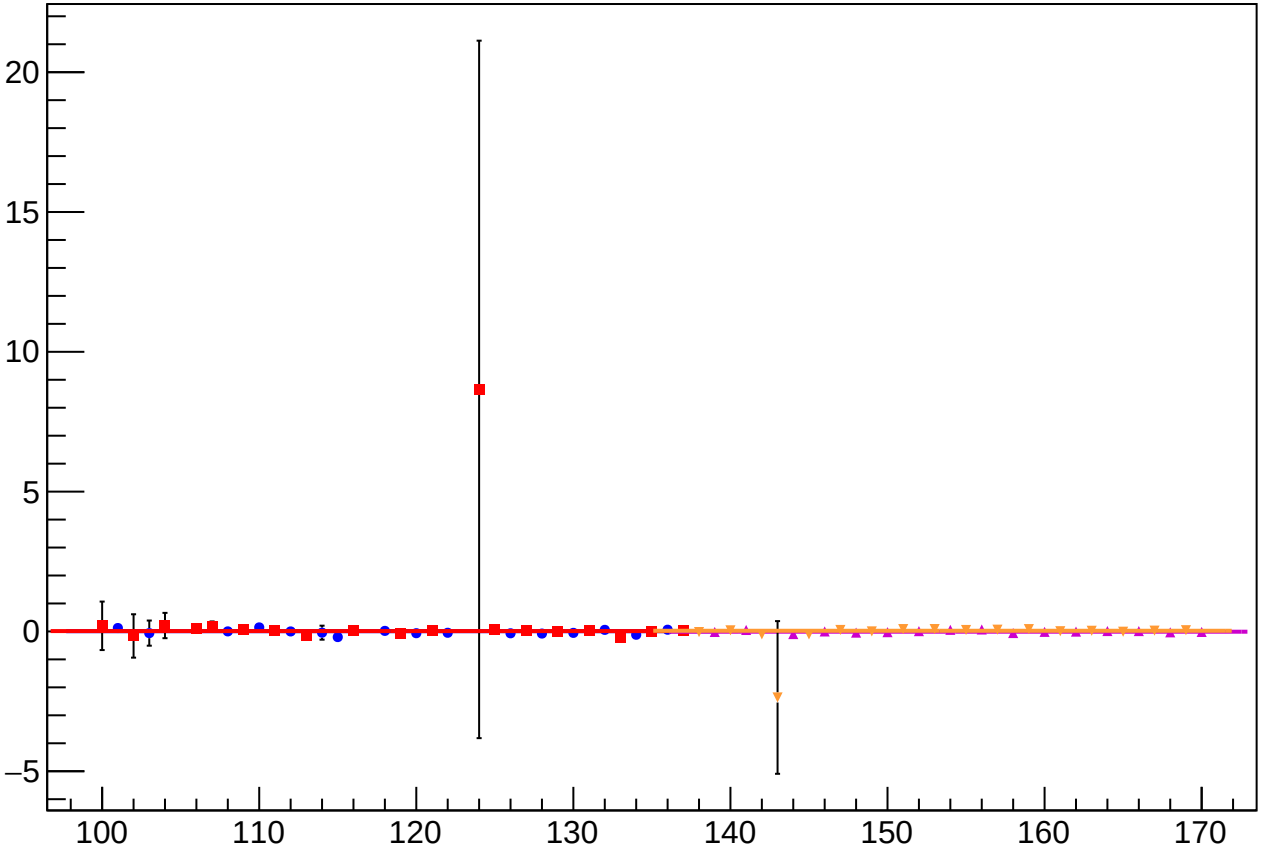
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 33.943+/-0.006 χ^2/NDF:7231459.1/35

All: 33.687+/-0.004 χ^2/NDF: 12106283.1/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

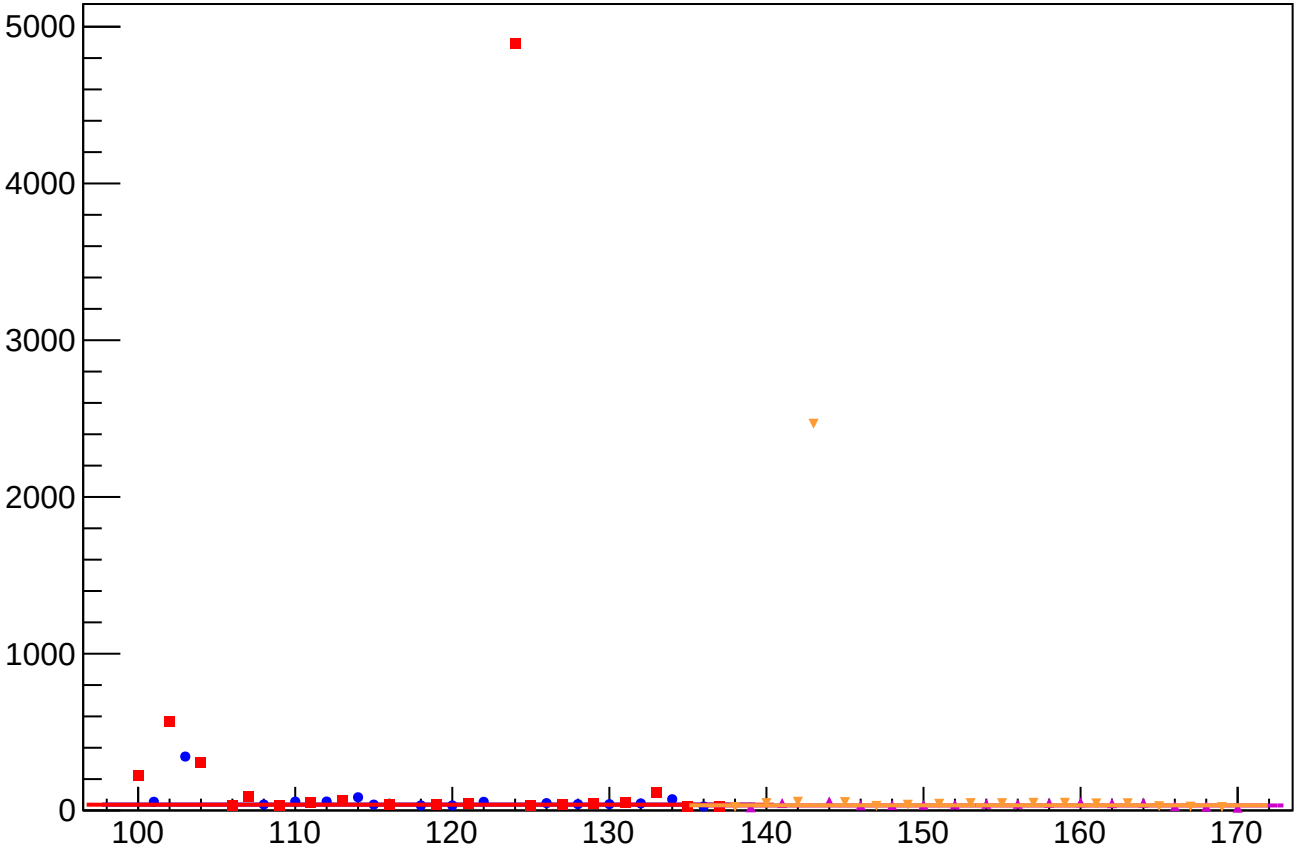
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.846+/-0.007 χ^2/NDF:3960562.7/16

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

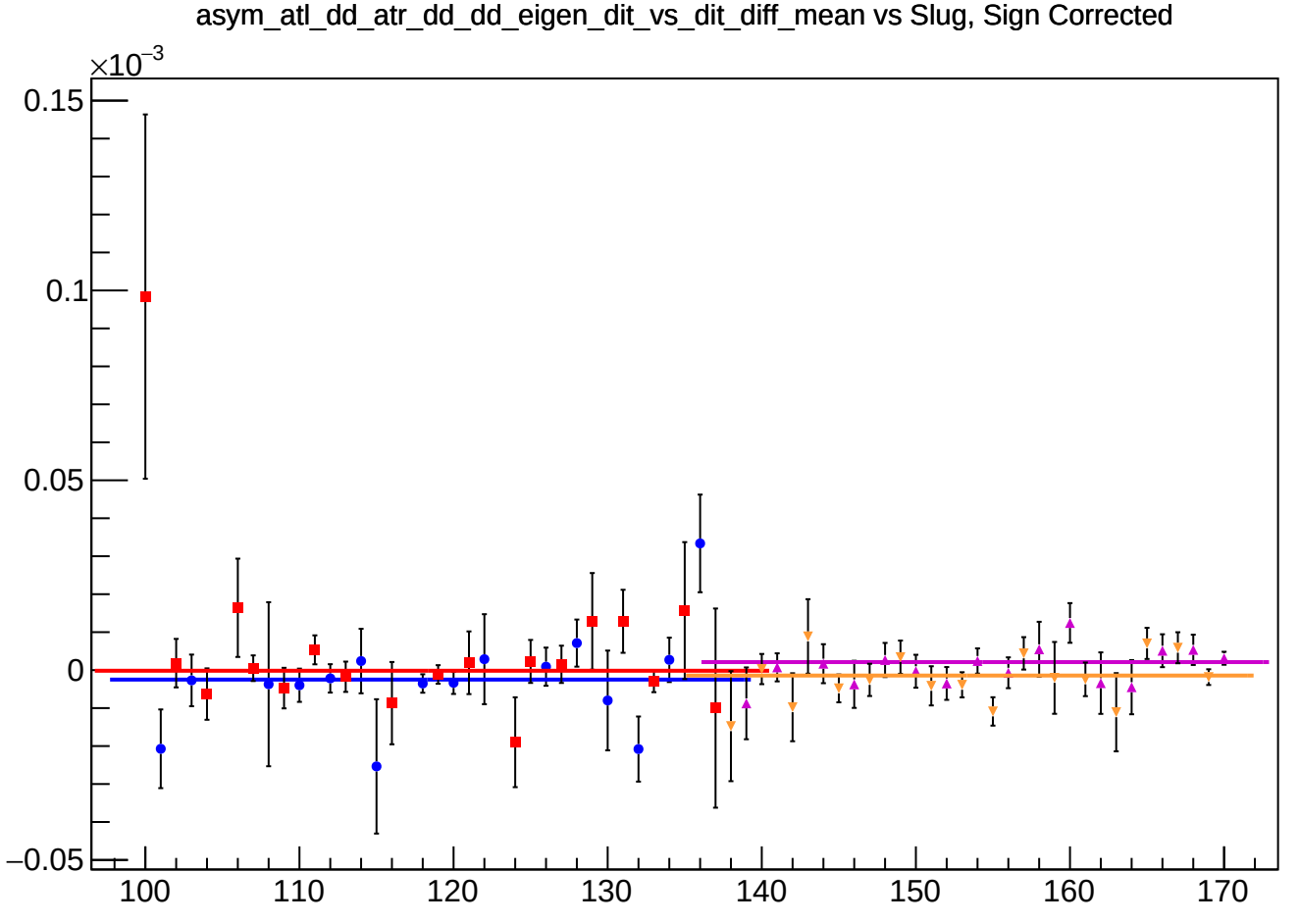
Left: 32.350+/-0.005 χ^2/NDF: 6682223.6/32

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 33.943+/-0.006 χ^2/NDF:7231459.1/35

All: 33.687+/-0.004 χ^2/NDF: 12106283.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/15

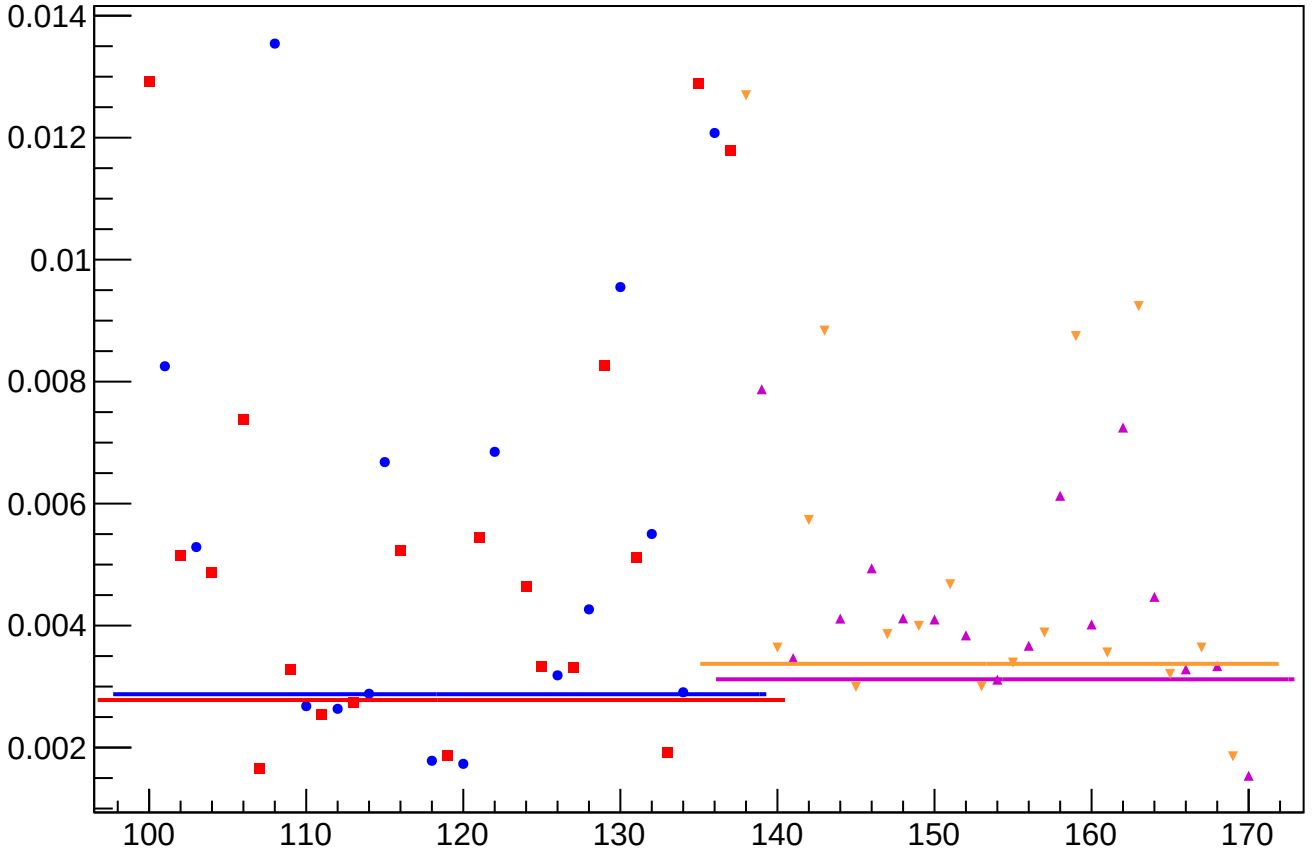
Left: 0.000+/-0.000 χ^2/NDF: 40.6/32

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:41.5/31

Out: -0.000+/-0.000 χ^2/NDF:42.2/35

All: -0.000+/-0.000 χ^2/NDF: 85.1/67



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:4251729.7/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.003+/-0.000 χ^2/NDF:3774445.4/15

Left: 0.003+/-0.000 χ^2/NDF: 8088967.5/32

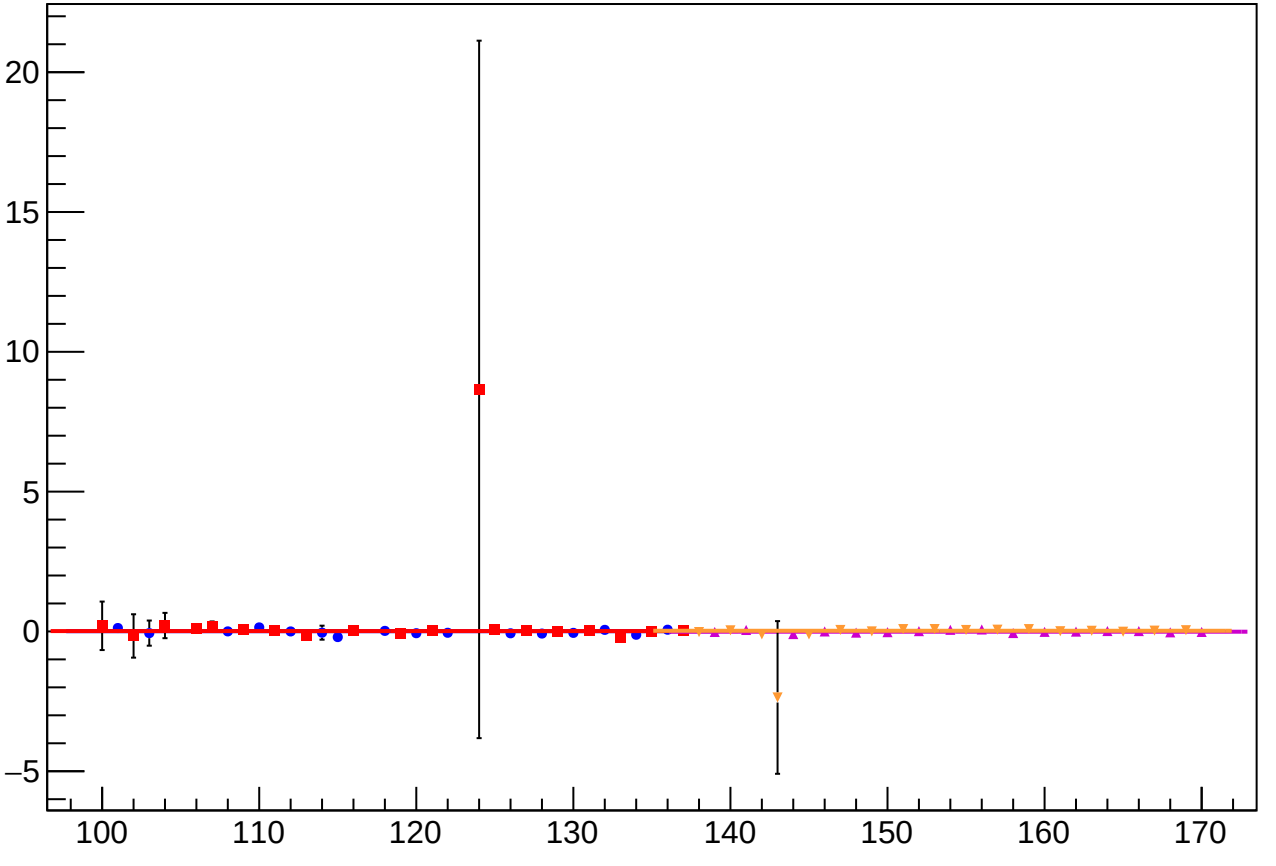
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:7970819.0/31

Out: 0.003+/-0.000 χ^2/NDF:7852886.6/35

All: 0.003+/-0.000 χ^2/NDF: 15836126.6/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

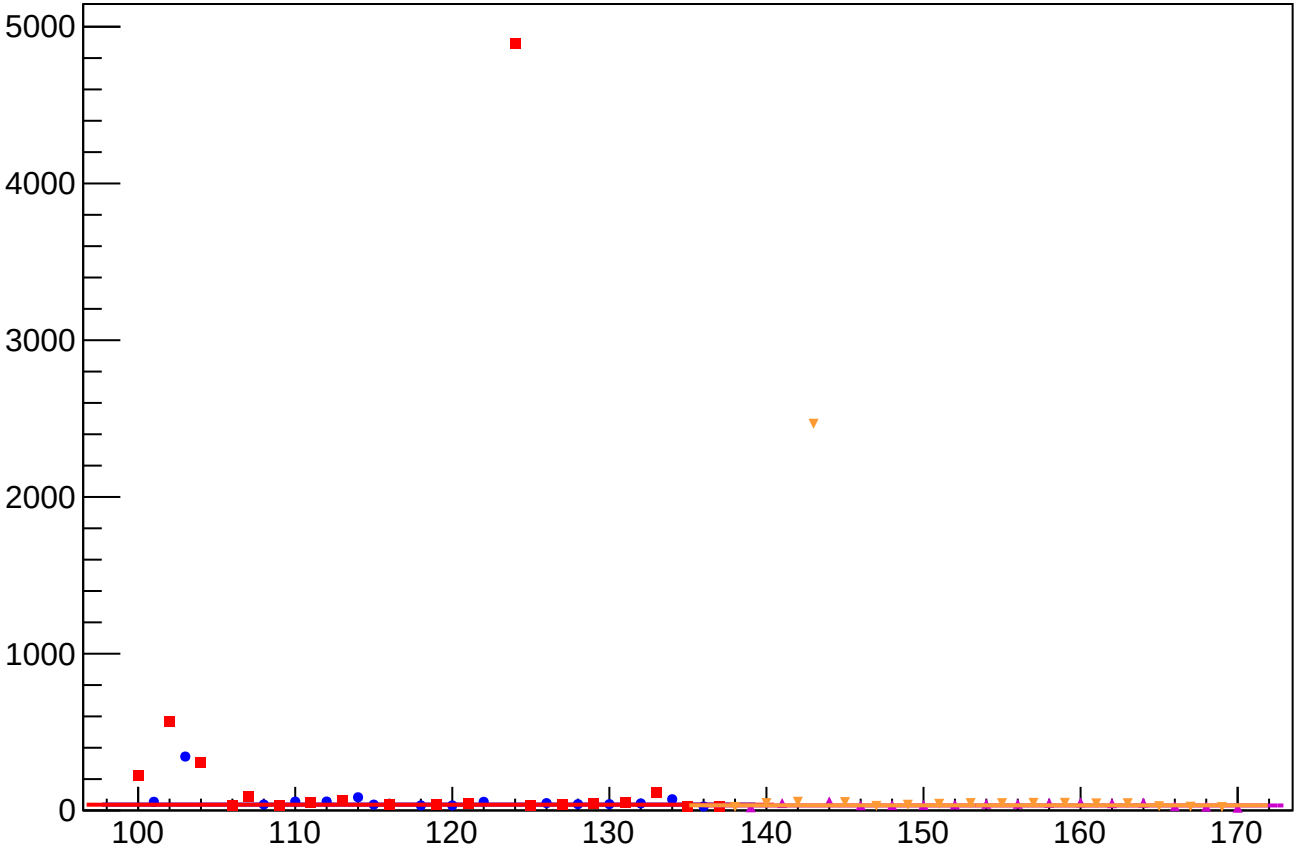
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.845+/-0.007 χ^2/NDF:3960620.8/16

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

Left: 32.350+/-0.005 χ^2/NDF: 6681113.7/32

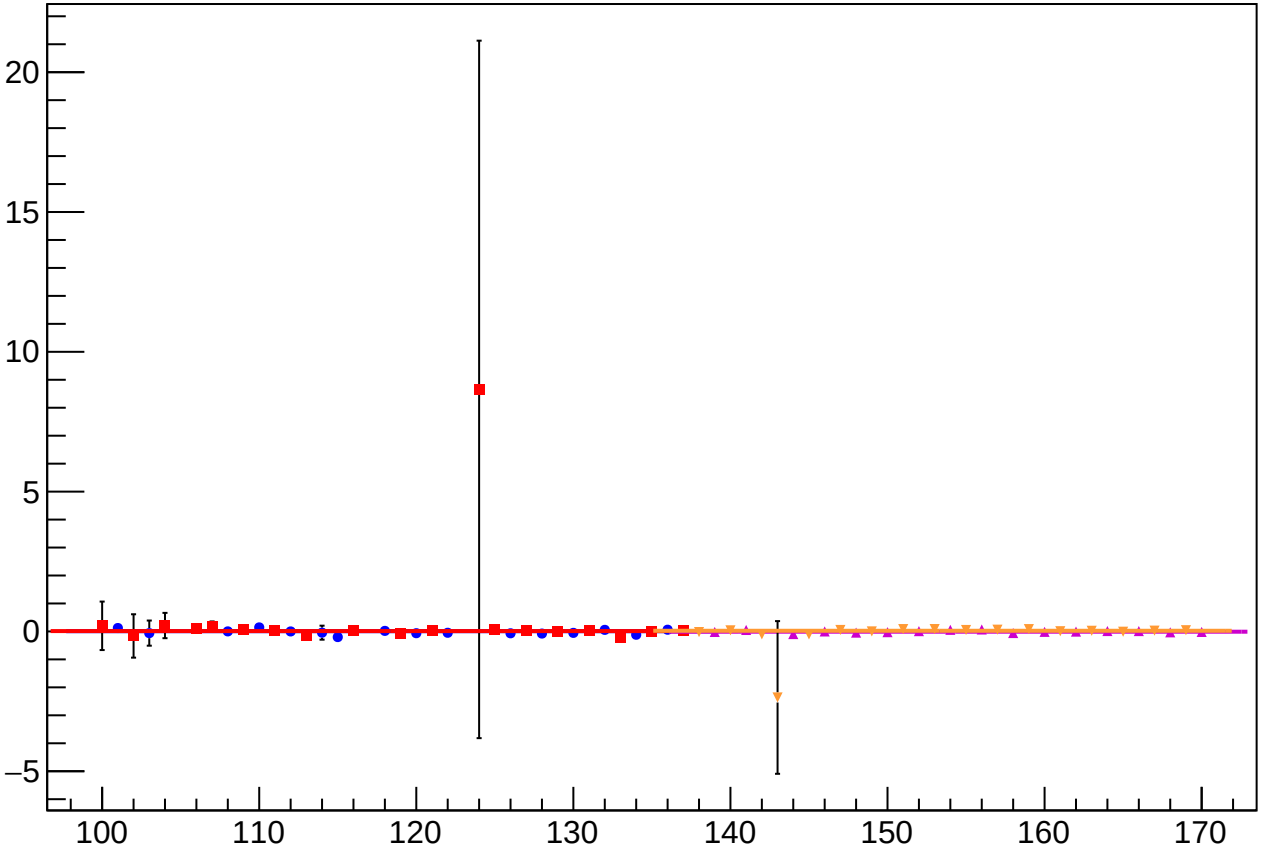
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 33.942+/-0.006 χ^2/NDF:7231322.3/35

All: 33.688+/-0.004 χ^2/NDF: 12104830.8/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

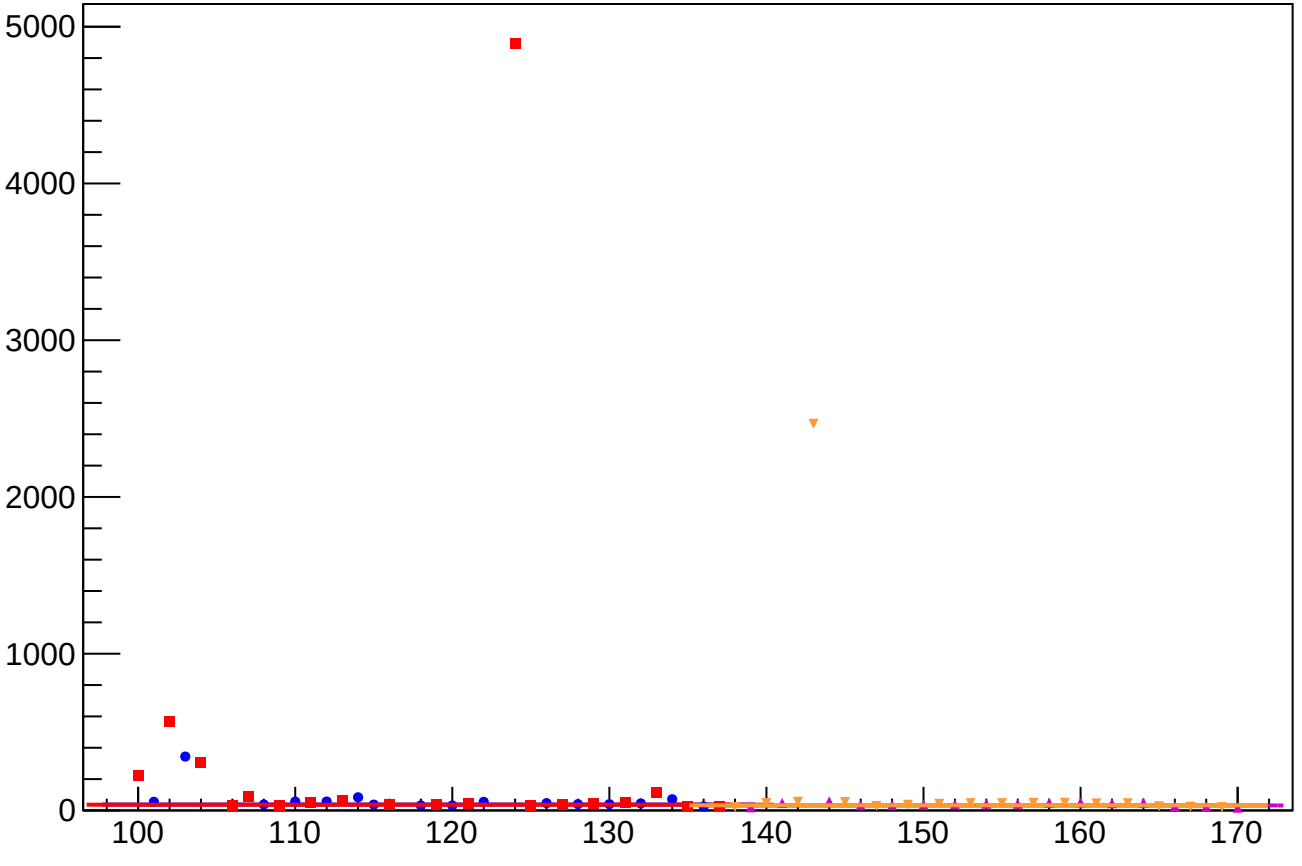
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.845+/-0.007 χ^2/NDF:3960620.8/16

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

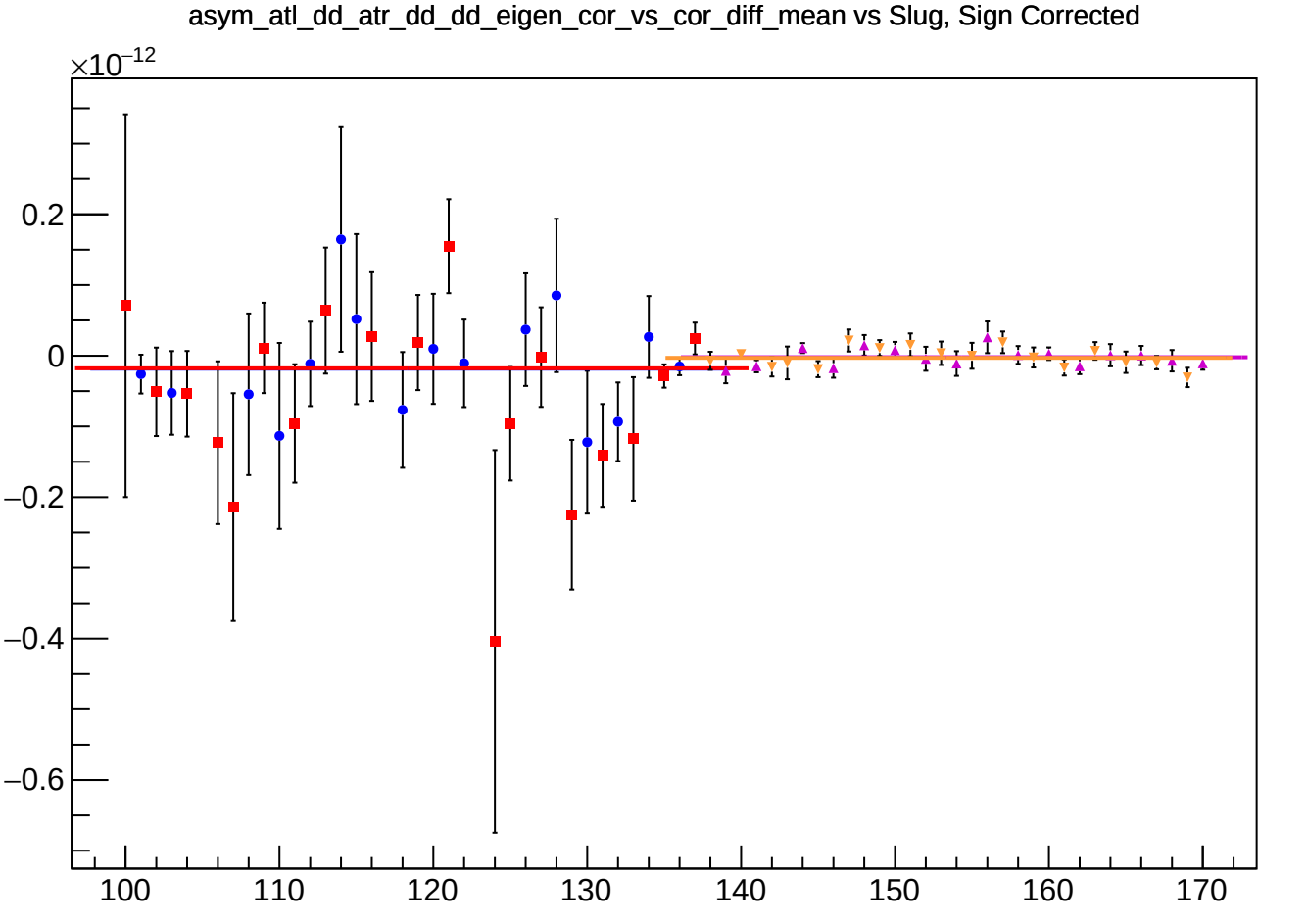
Left: 32.350+/-0.005 χ^2/NDF: 6681113.7/32

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 33.942+/-0.006 χ^2/NDF:7231322.3/35

All: 33.688+/-0.004 χ^2/NDF: 12104830.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/15

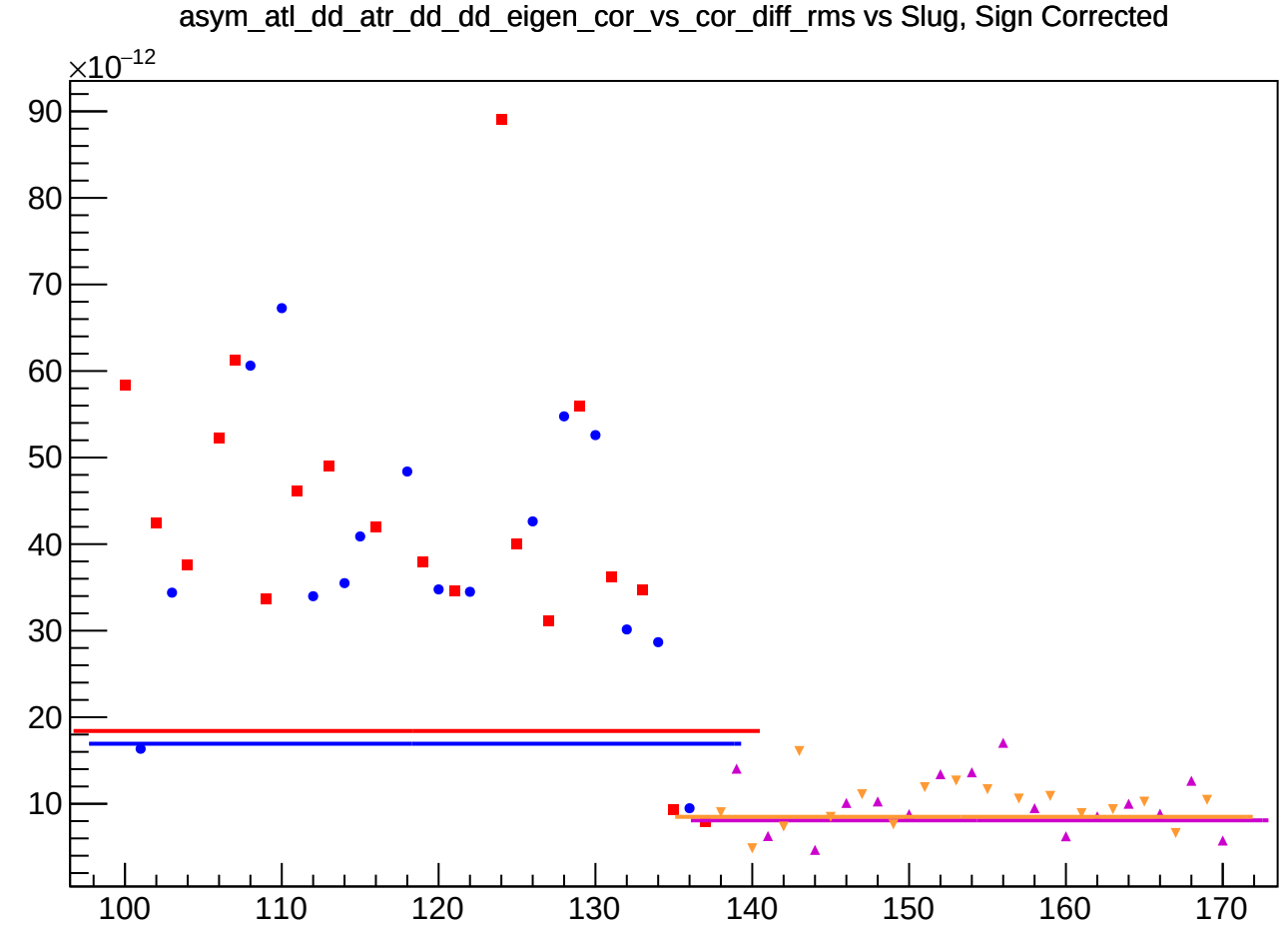
Left: -0.000+/-0.000 χ^2/NDF: 32.8/32

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: -0.000+/-0.000 χ^2/NDF:46.9/35

All: -0.000+/-0.000 χ^2/NDF: 72.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1413001.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2073753.8/15

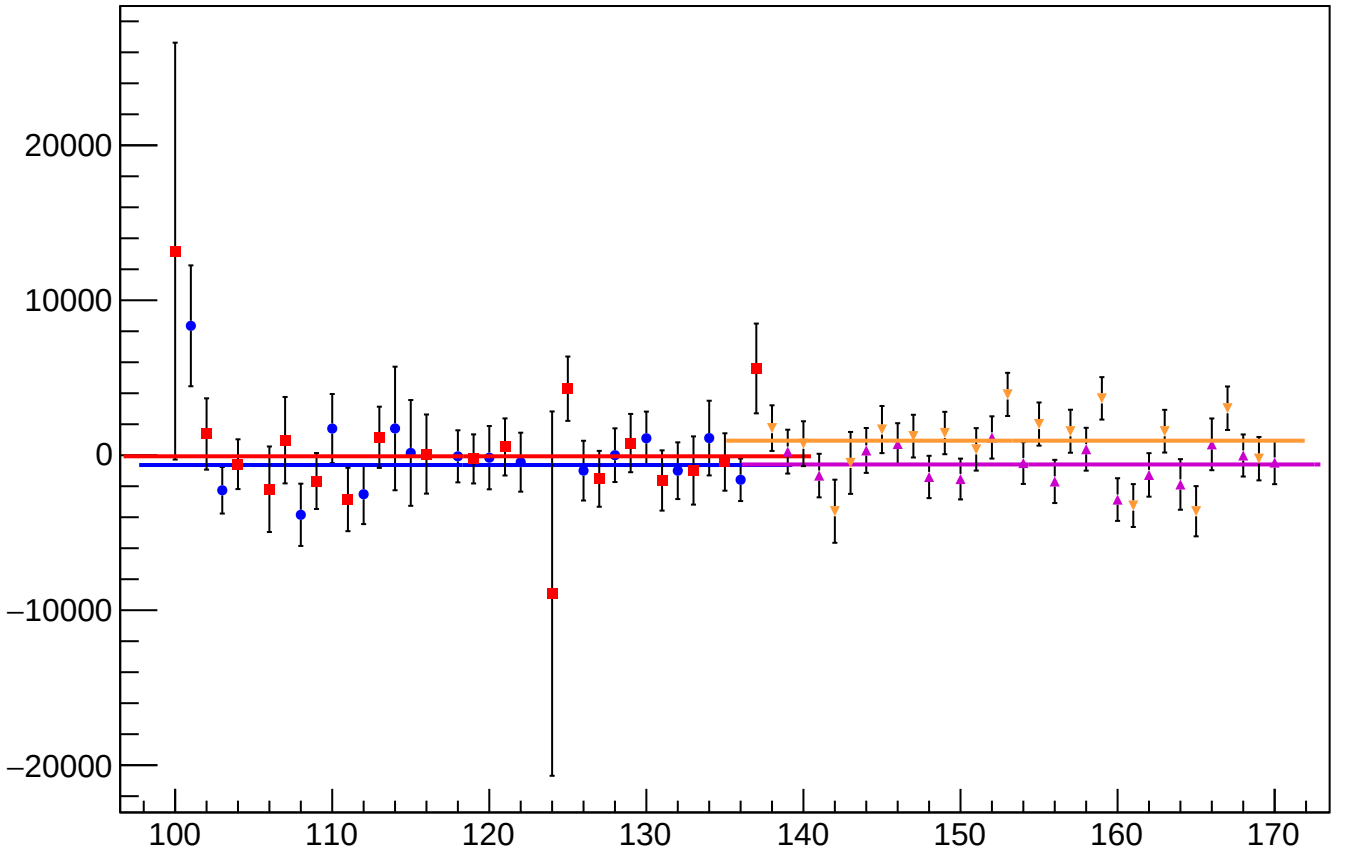
Left: 0.000+/-0.000 χ^2/NDF: 3505410.5/32

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6747486.3/31

Out: 0.000+/-0.000 χ^2/NDF:6586362.1/35

All: 0.000+/-0.000 χ^2/NDF: 13351801.0/67



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.060+/-353.814 χ^2/NDF:35.9/16

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.475+/-351.364 χ^2/NDF:9.9/15

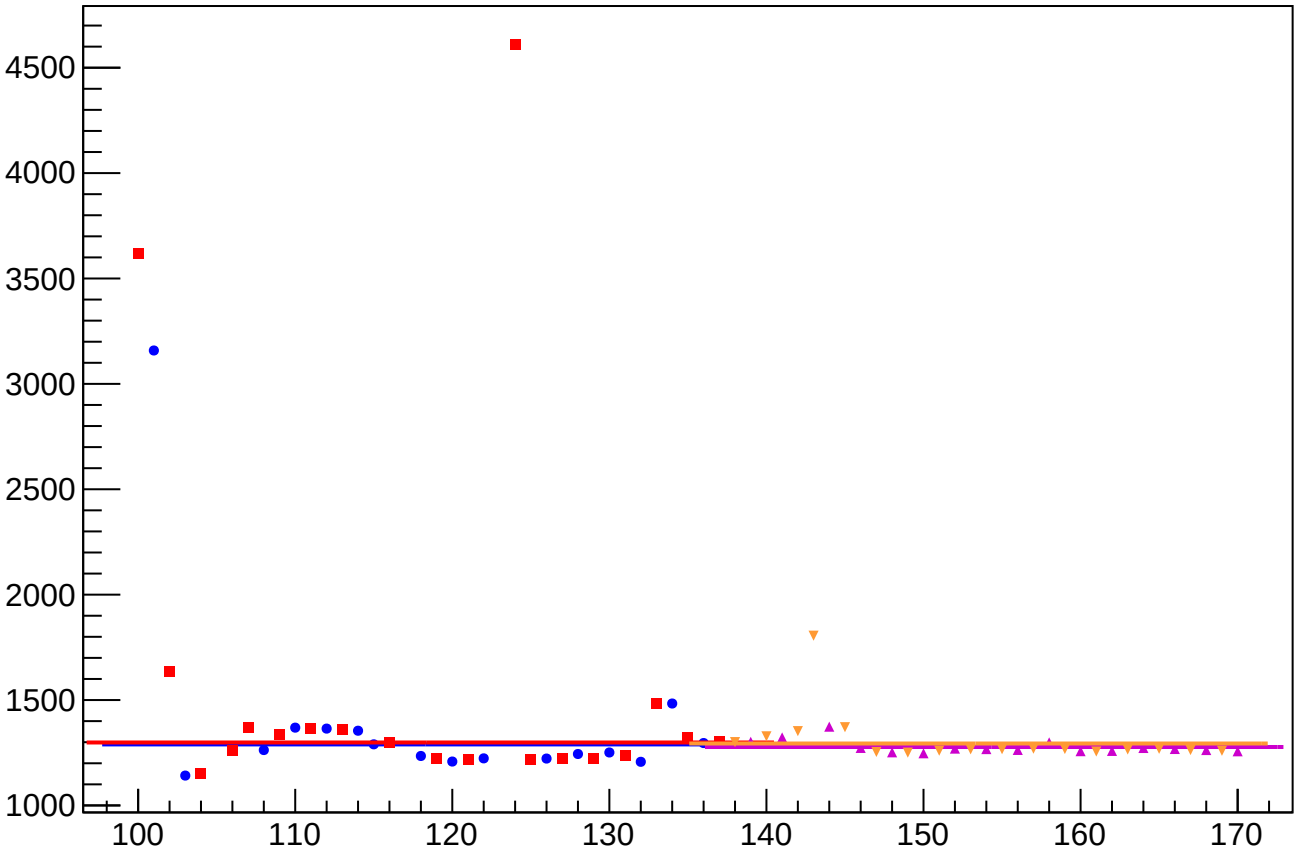
Left: 166.965+/-249.314 χ^2/NDF: 55.3/32

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 591.979+/-286.399 χ^2/NDF:54.6/35

All: -9.837+/-202.116 χ^2/NDF: 87.2/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

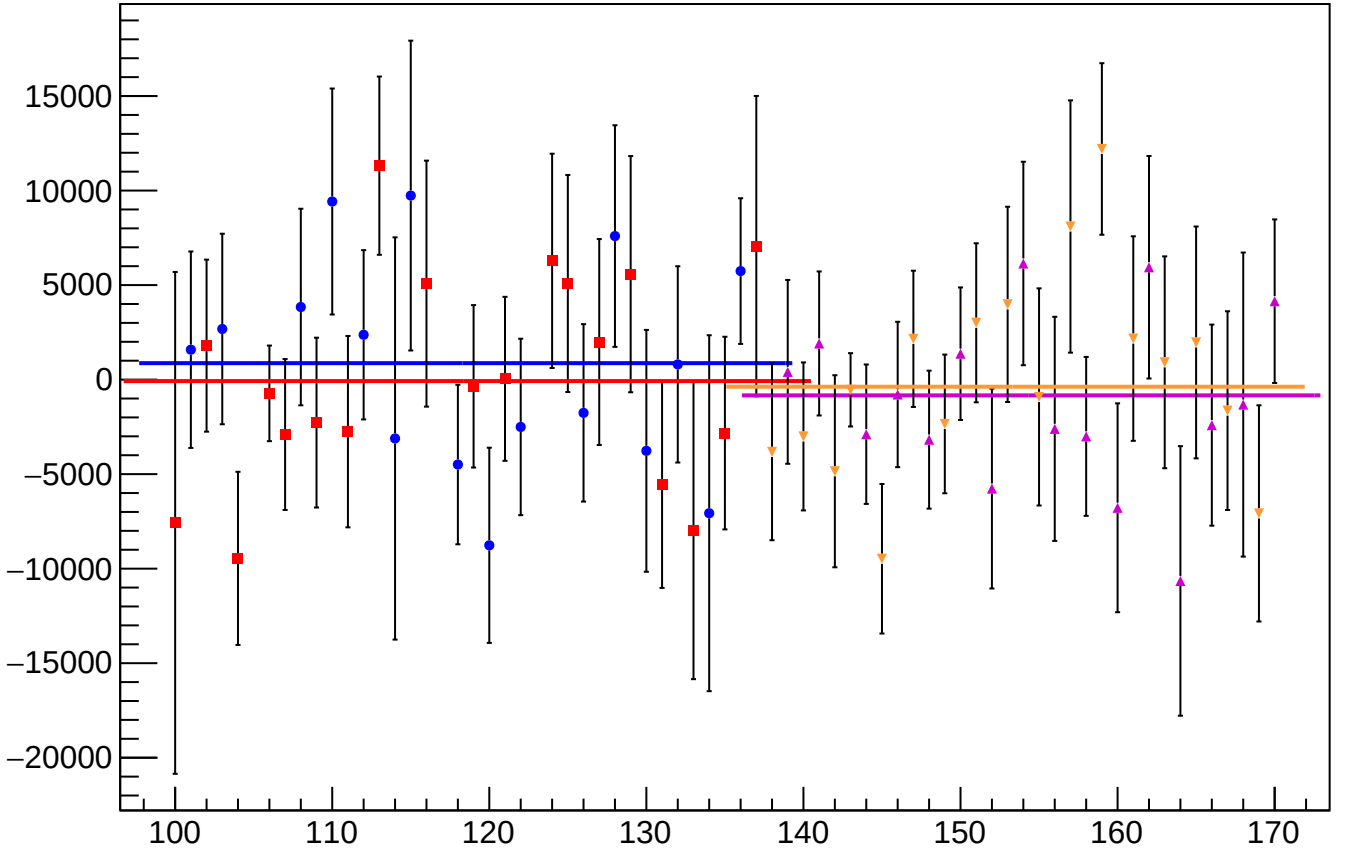
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1295.473+/-0.202 χ^2/NDF:471391.2/35

All: 1288.418+/-0.143 χ^2/NDF: 1004977.8/67

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: -376.488+/-1007.264 χ^2/NDF:20.4/16

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -834.151+/-1154.851 χ^2/NDF:10.4/15

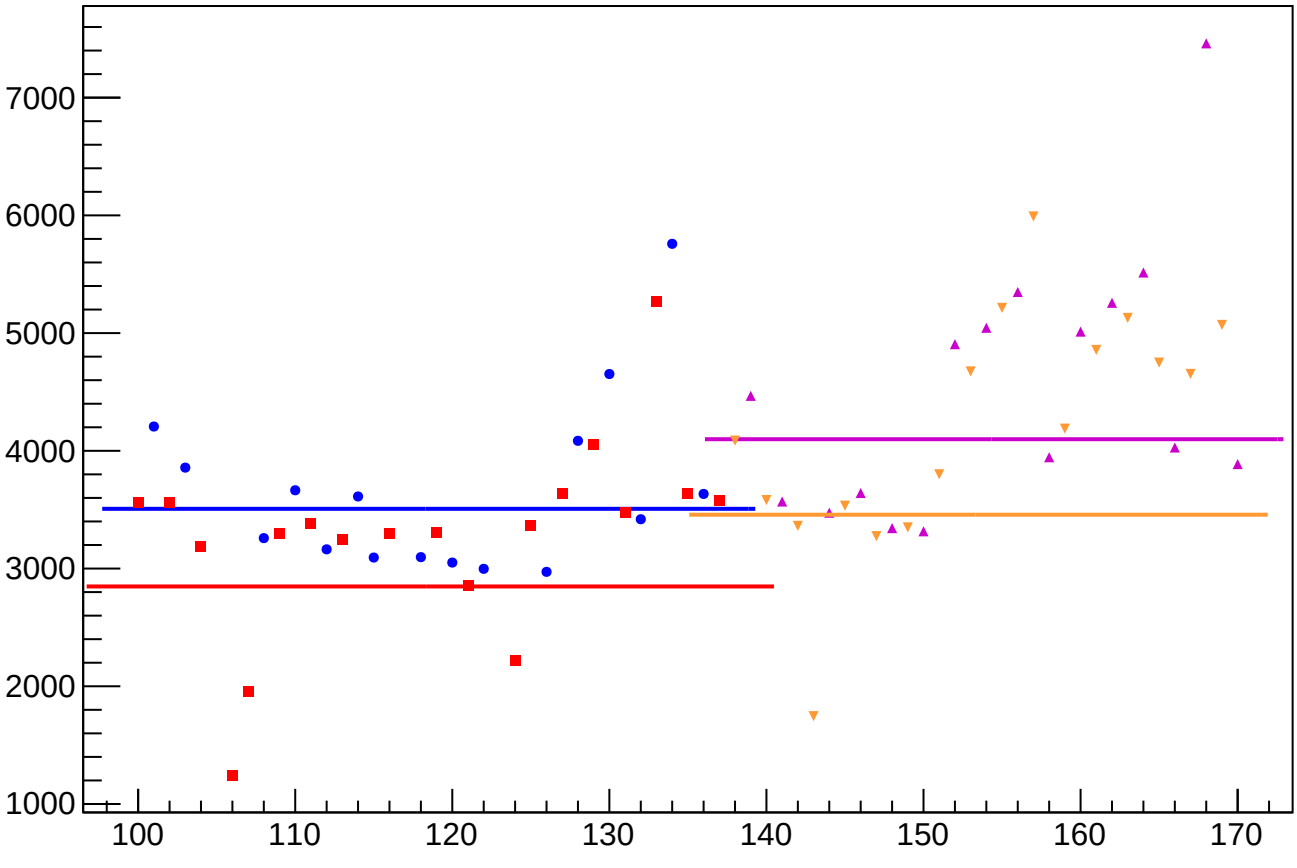
Left: -574.224+/-759.095 χ^2/NDF: 30.9/32

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -98.503+/-870.664 χ^2/NDF:25.4/31

Out: -241.531+/-746.252 χ^2/NDF:38.8/35

All: -180.957+/-566.607 χ^2/NDF: 64.2/67



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3457.353+/-0.712 χ^2/NDF:2918517.7/16

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

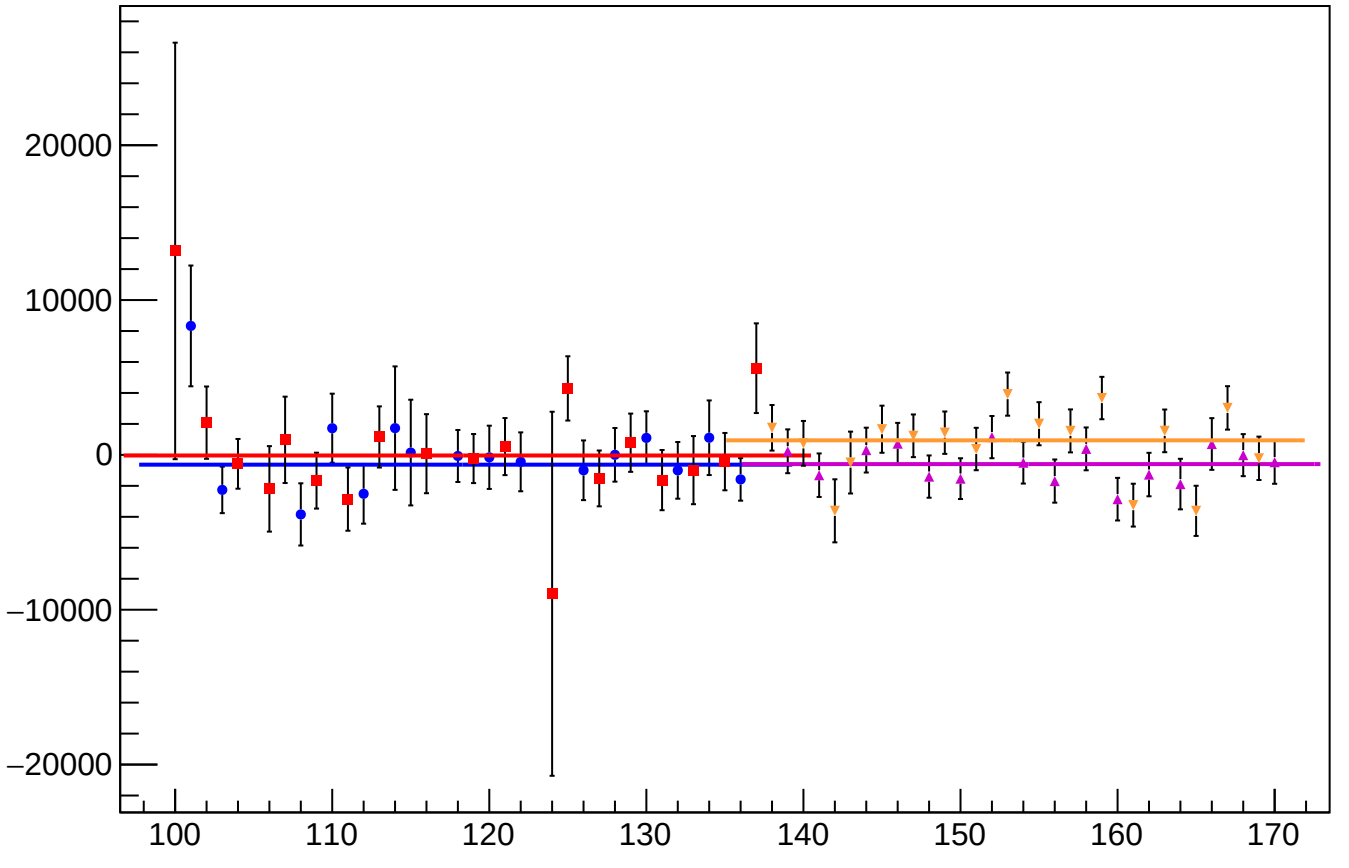
Left: 3734.423+/-0.537 χ^2/NDF: 4355788.3/32

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3182.391+/-0.528 χ^2/NDF:4748263.4/35

All: 3462.357+/-0.401 χ^2/NDF: 7080182.5/67



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.089+/-353.814 χ^2/NDF:35.9/16

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.460+/-351.364 χ^2/NDF:9.9/15

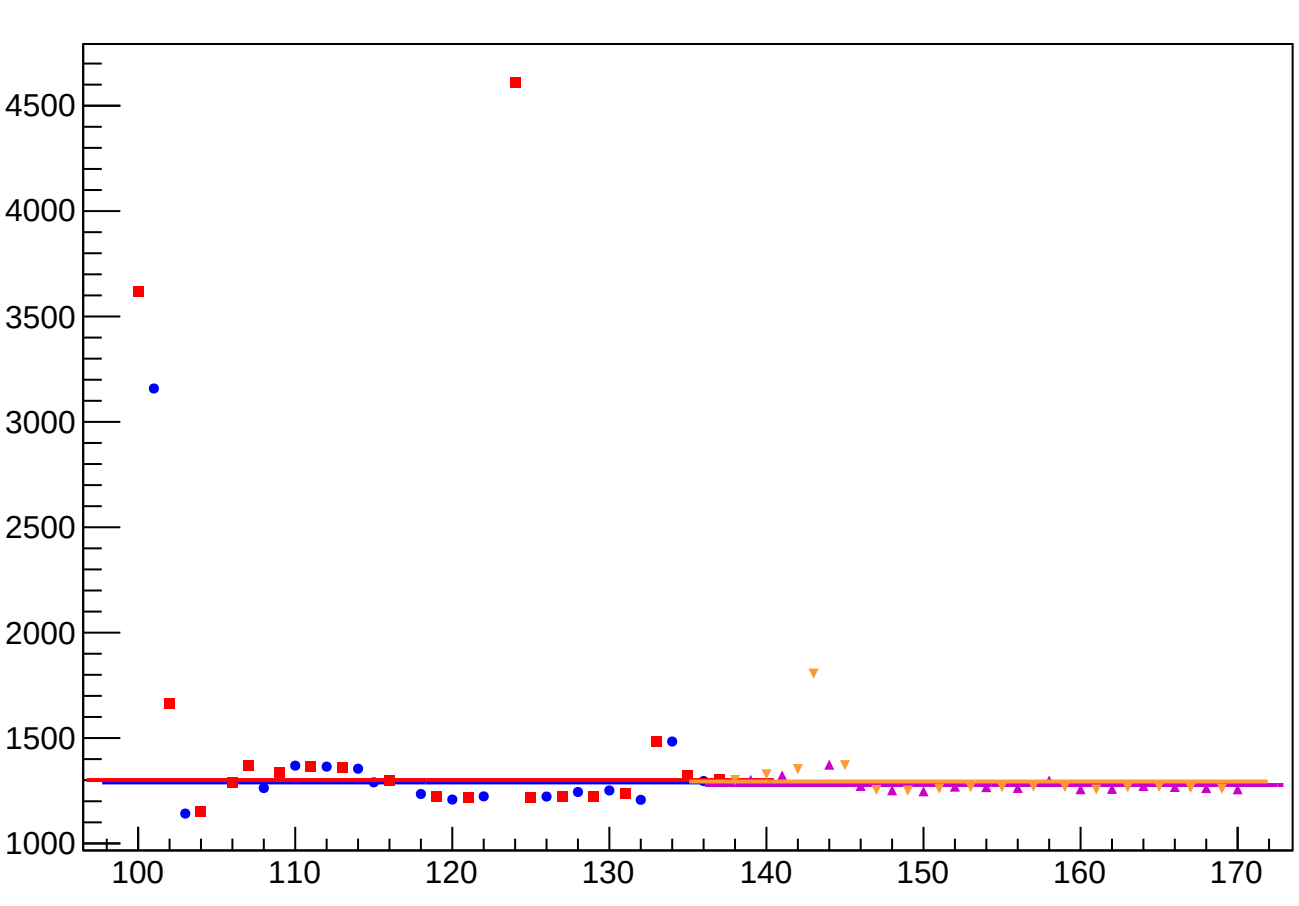
Left: 166.987+/-249.314 χ^2/NDF: 55.3/32

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 602.296+/-286.465 χ^2/NDF:54.9/35

All: -4.898+/-202.139 χ^2/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

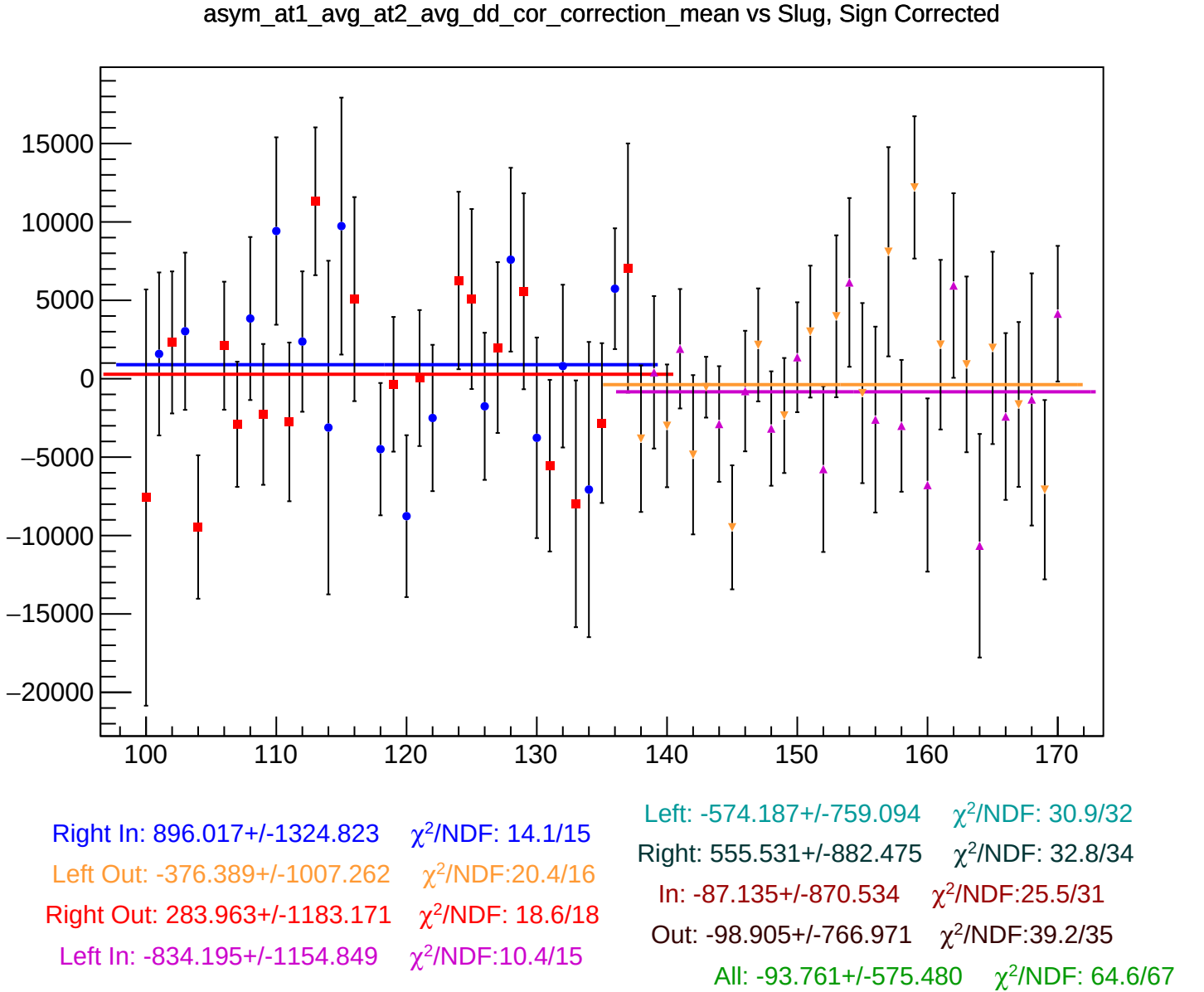
Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

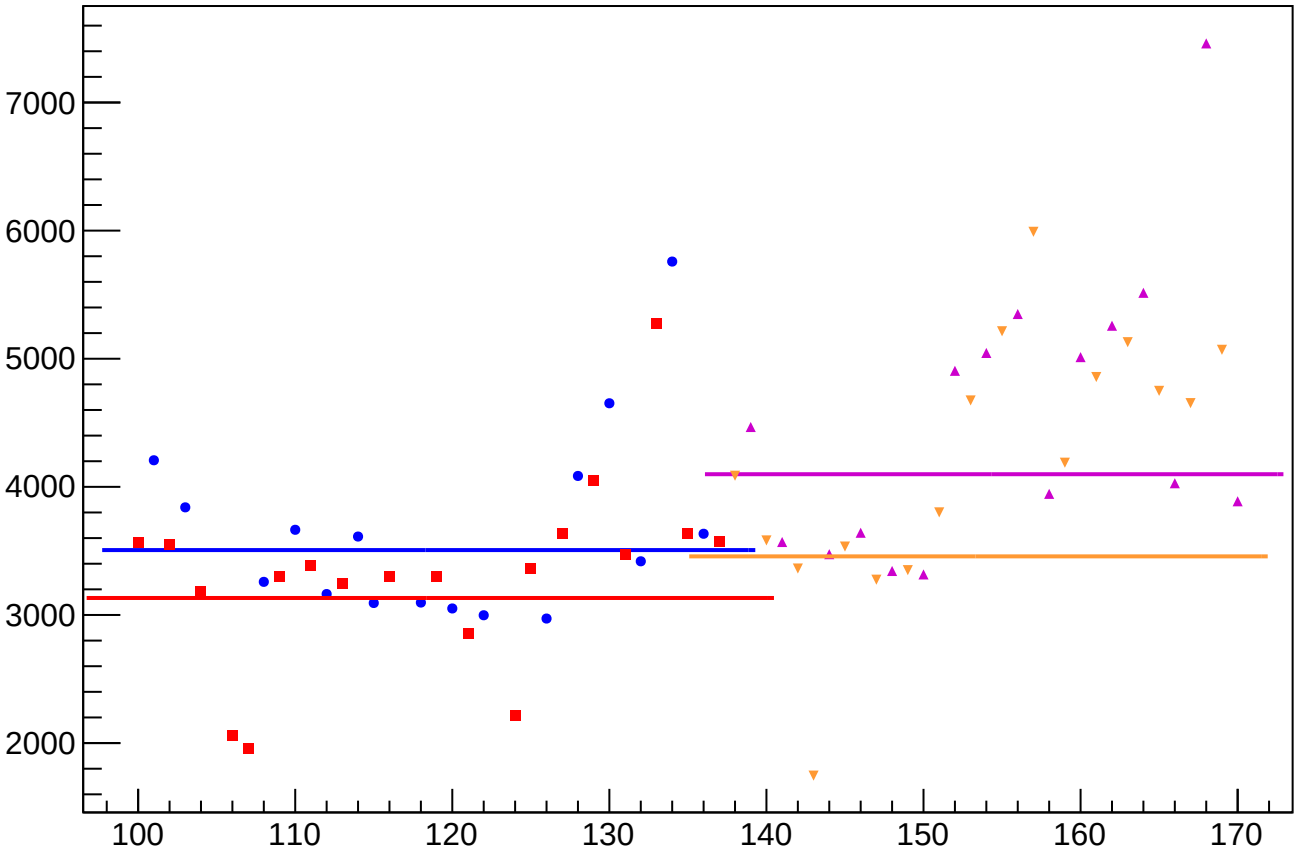
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -376.389+/-1007.262 χ²/NDF:20.4/16
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -834.195+/-1154.849 χ²/NDF:10.4/15
Left: -574.187+/-759.094 χ²/NDF: 30.9/32
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -87.135+/-870.534 χ²/NDF:25.5/31
Out: -98.905+/-766.971 χ²/NDF:39.2/35
All: -93.761+/-575.480 χ²/NDF: 64.6/67



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

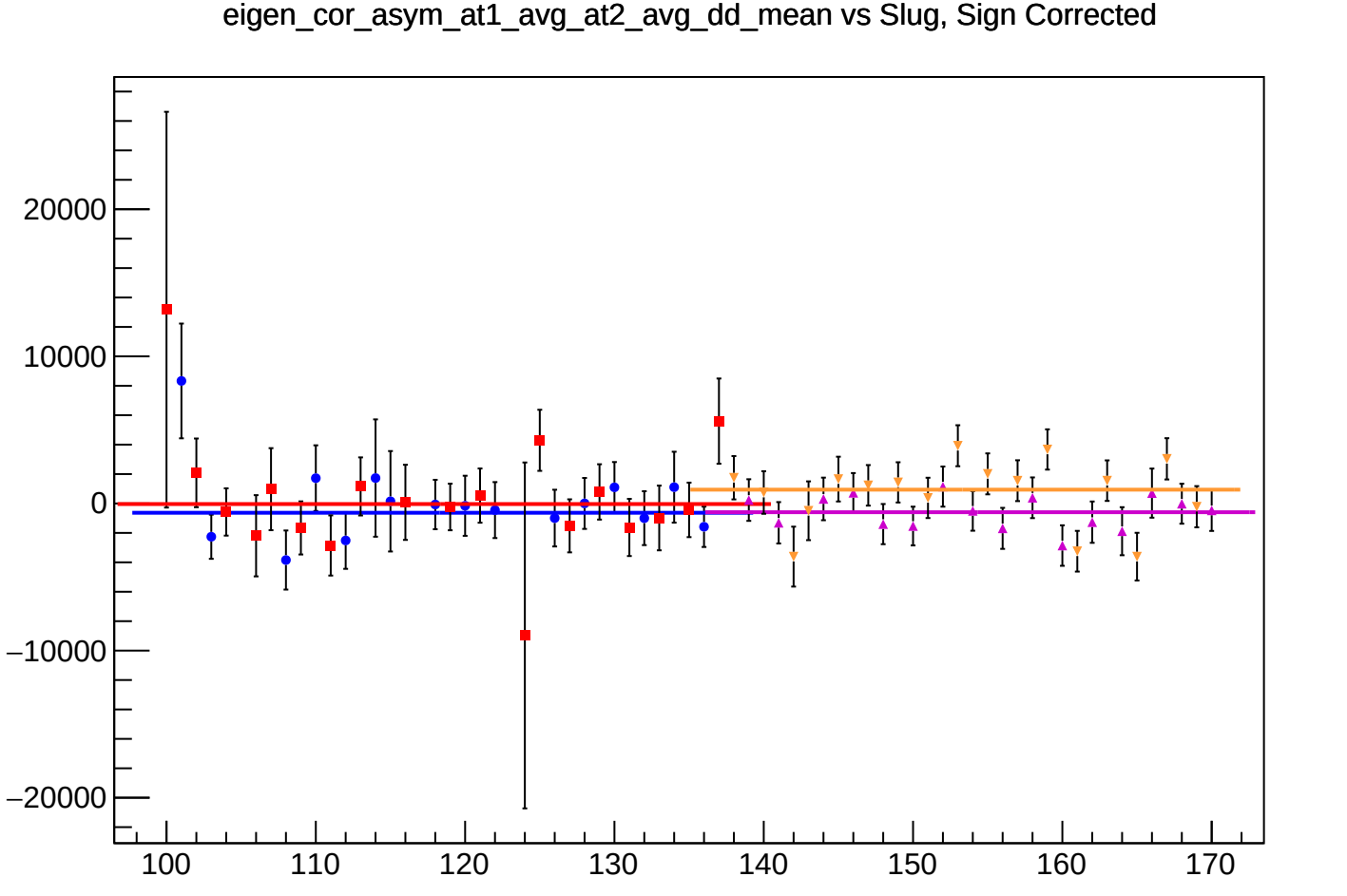
Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

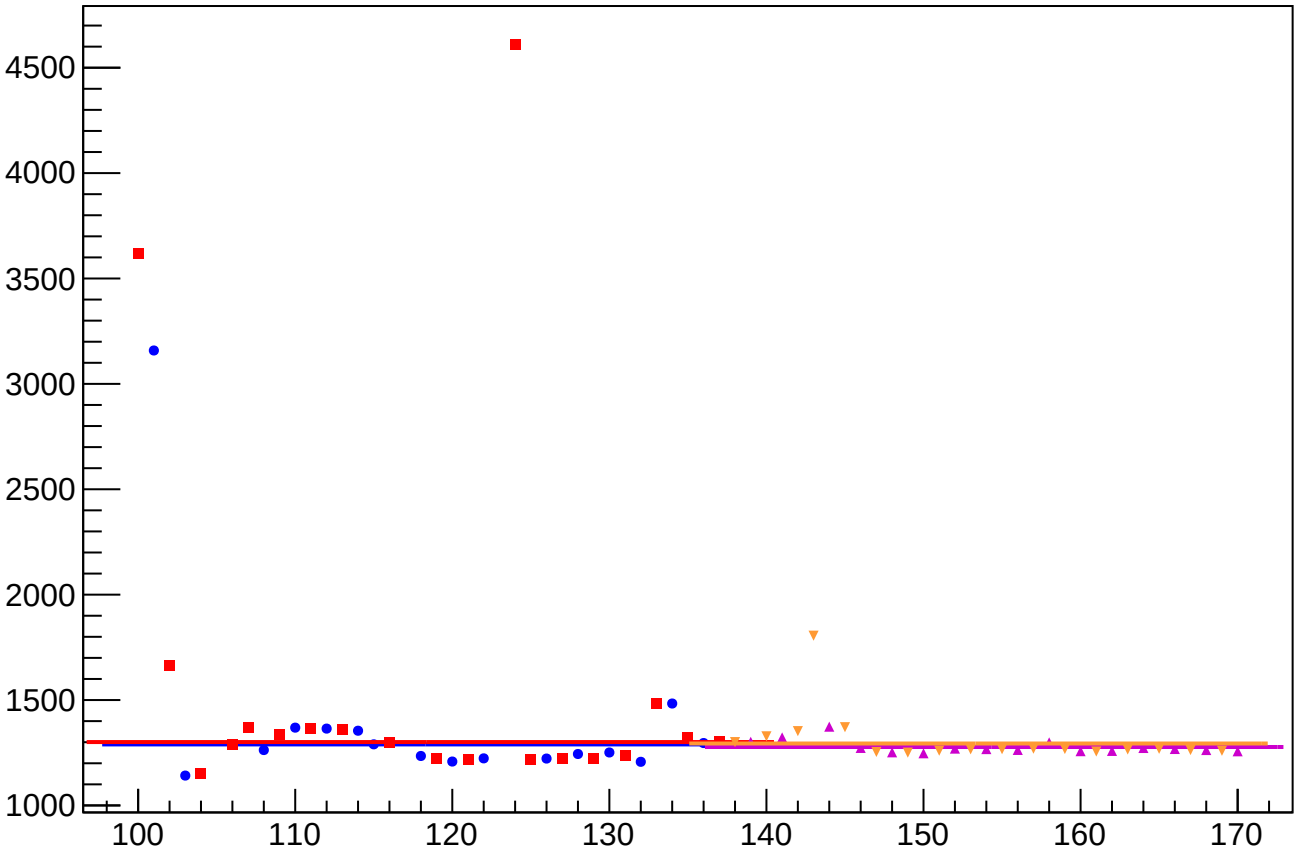
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 939.089+/-353.814 χ²/NDF:35.9/16
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -594.460+/-351.364 χ²/NDF:9.9/15
Left: 166.987+/-249.314 χ²/NDF: 55.3/32
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -607.059+/-285.275 χ²/NDF:23.8/31
Out: 602.296+/-286.465 χ²/NDF:54.9/35
All: -4.898+/-202.139 χ²/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

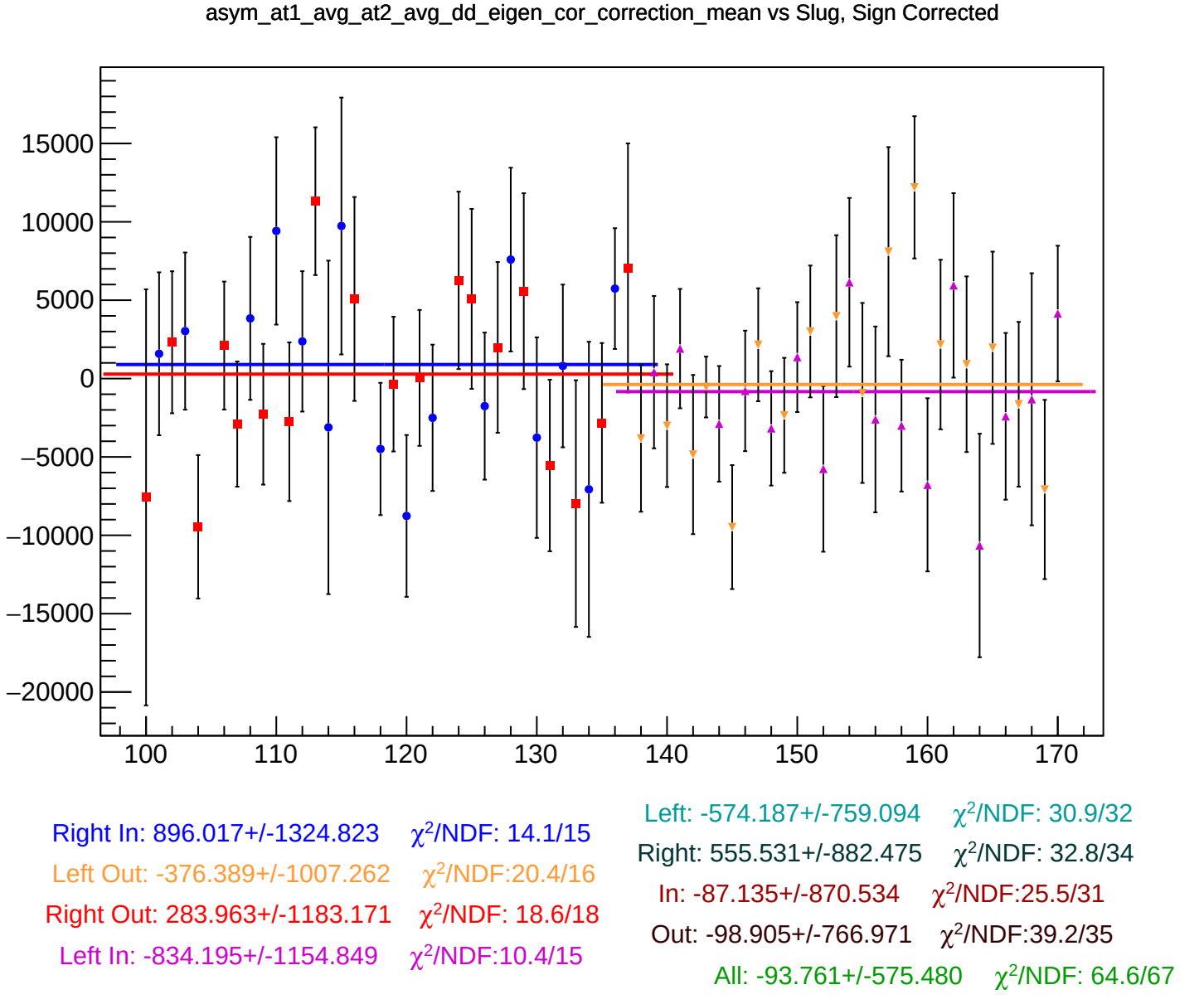
Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

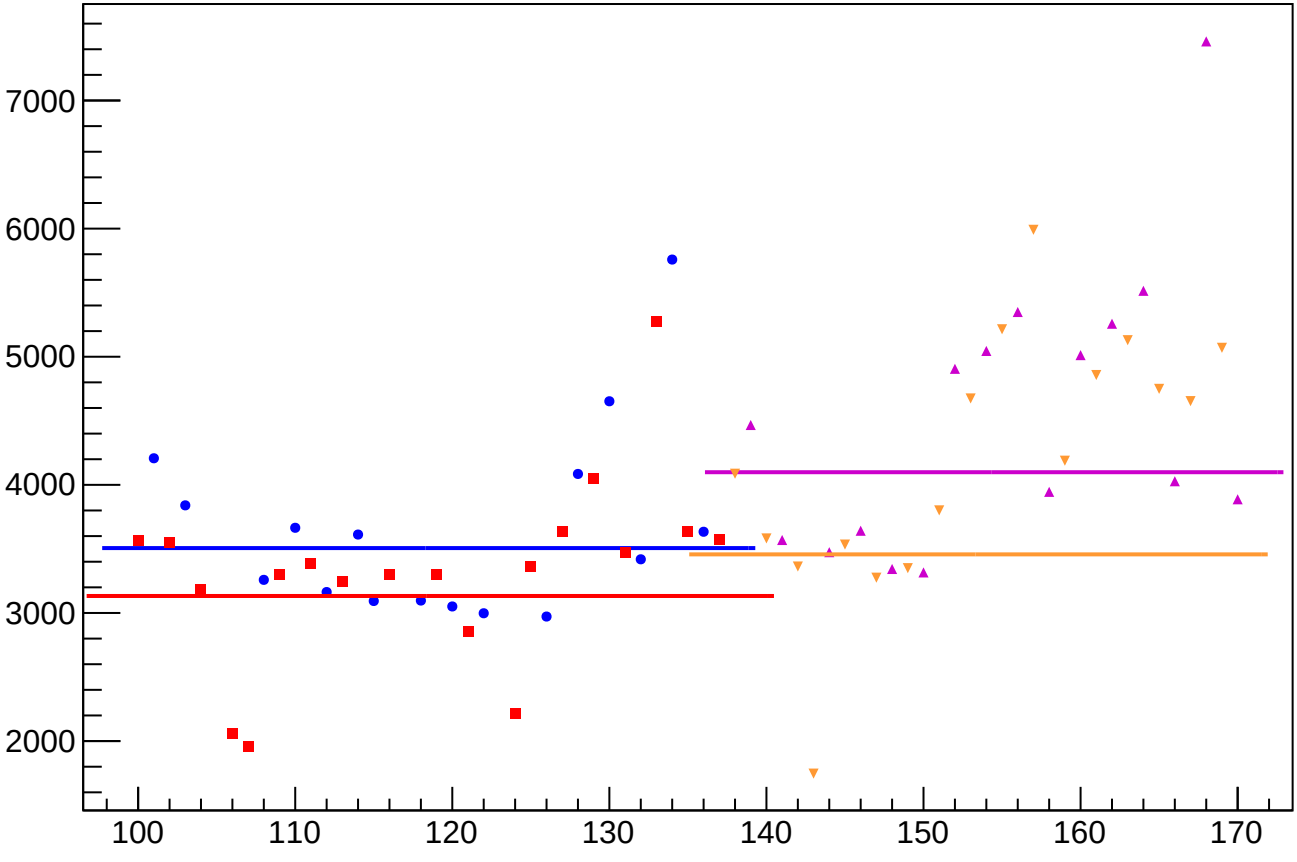
In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67


asym_at1_avg_at2_avg_dd_eigen_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: -376.389+/-1007.262 χ²/NDF:20.4/16
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -834.195+/-1154.849 χ²/NDF:10.4/15
Left: -574.187+/-759.094 χ²/NDF: 30.9/32
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -87.135+/-870.534 χ²/NDF:25.5/31
Out: -98.905+/-766.971 χ²/NDF:39.2/35
All: -93.761+/-575.480 χ²/NDF: 64.6/67

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

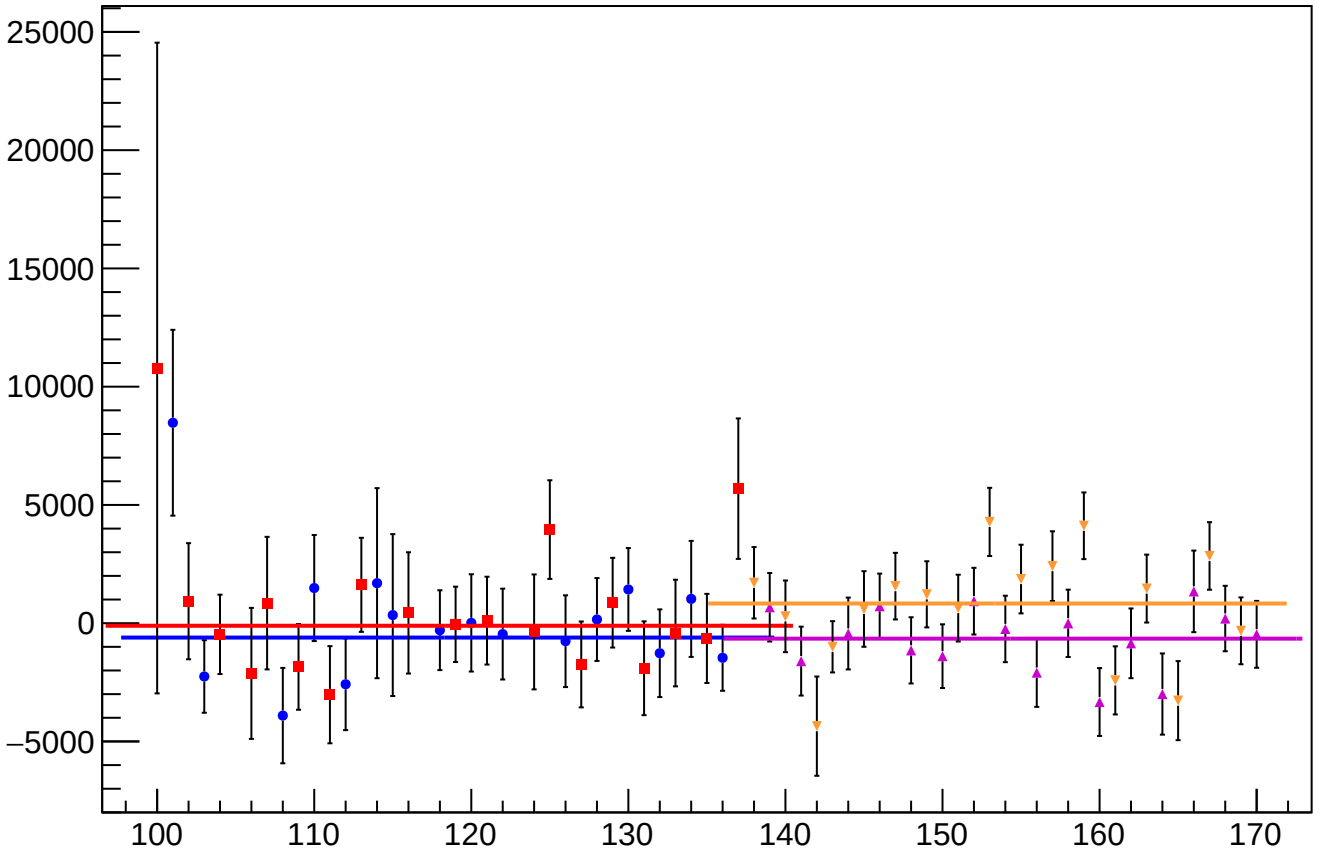
Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.149+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -653.590+/-362.908 χ^2/NDF:12.3/15

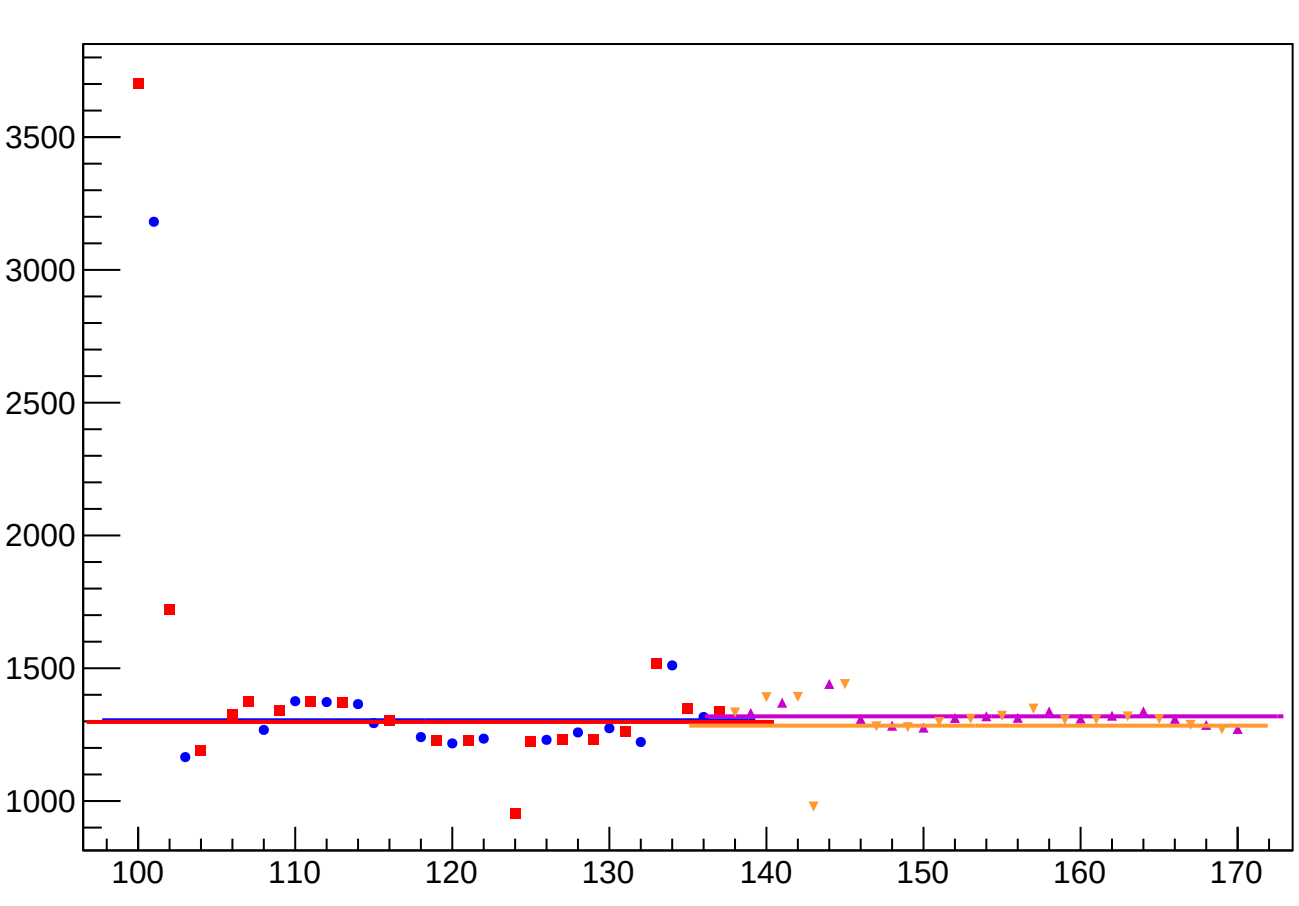
Left: 113.109+/-252.465 χ^2/NDF: 57.6/32

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 508.725+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.747+/-0.249 χ^2/NDF:203238.3/16

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

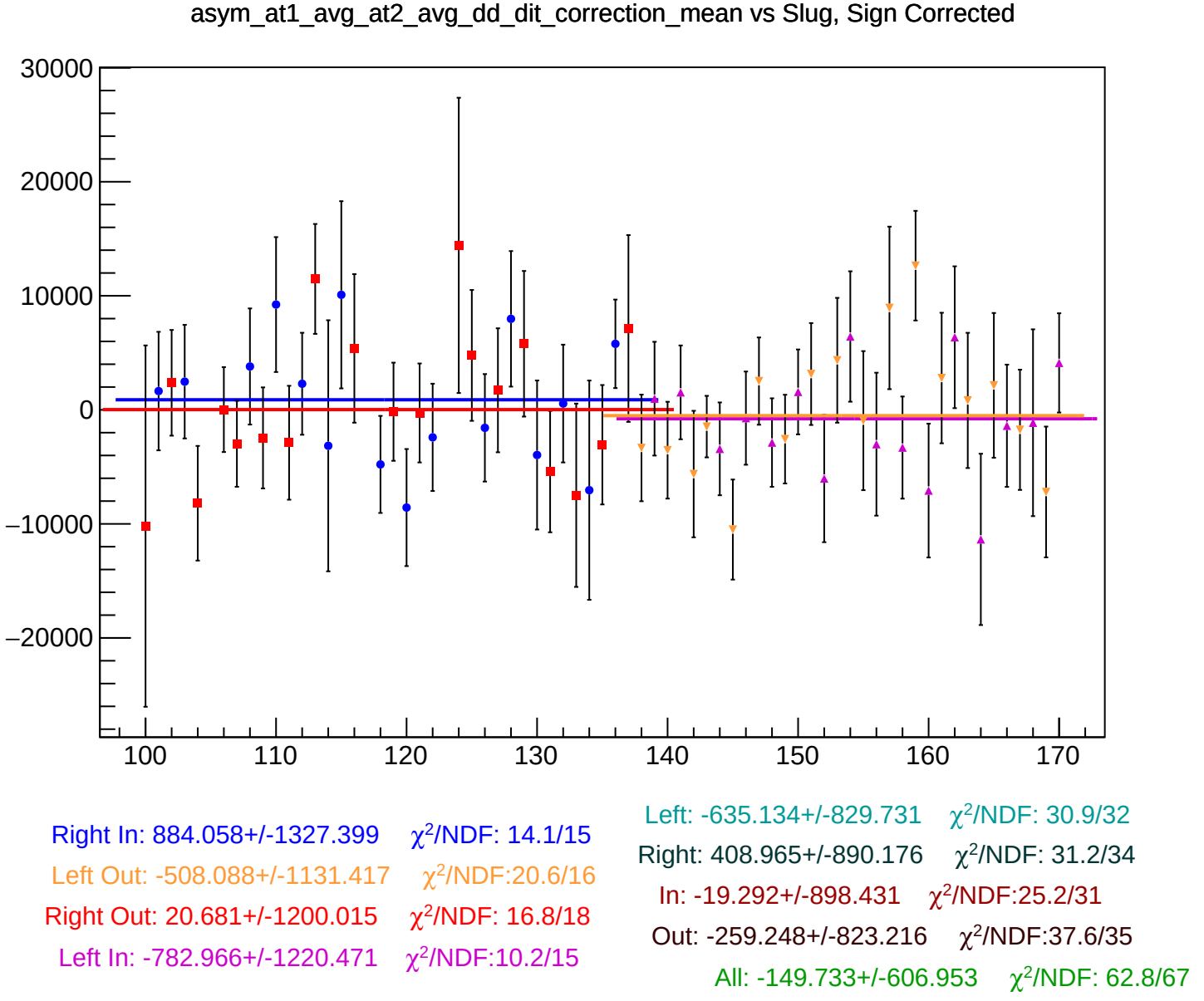
Left: 1300.763+/-0.179 χ^2/NDF: 235957.0/32

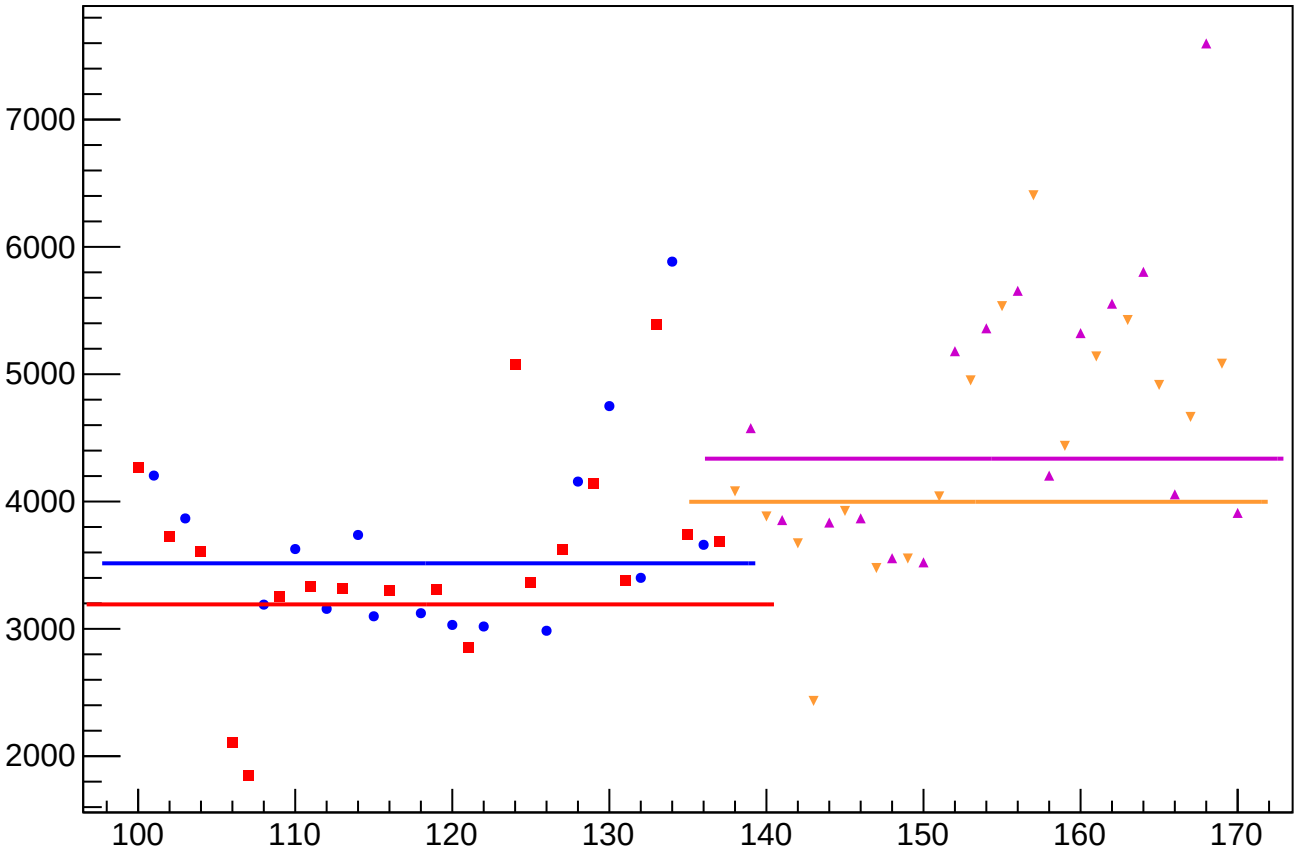
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

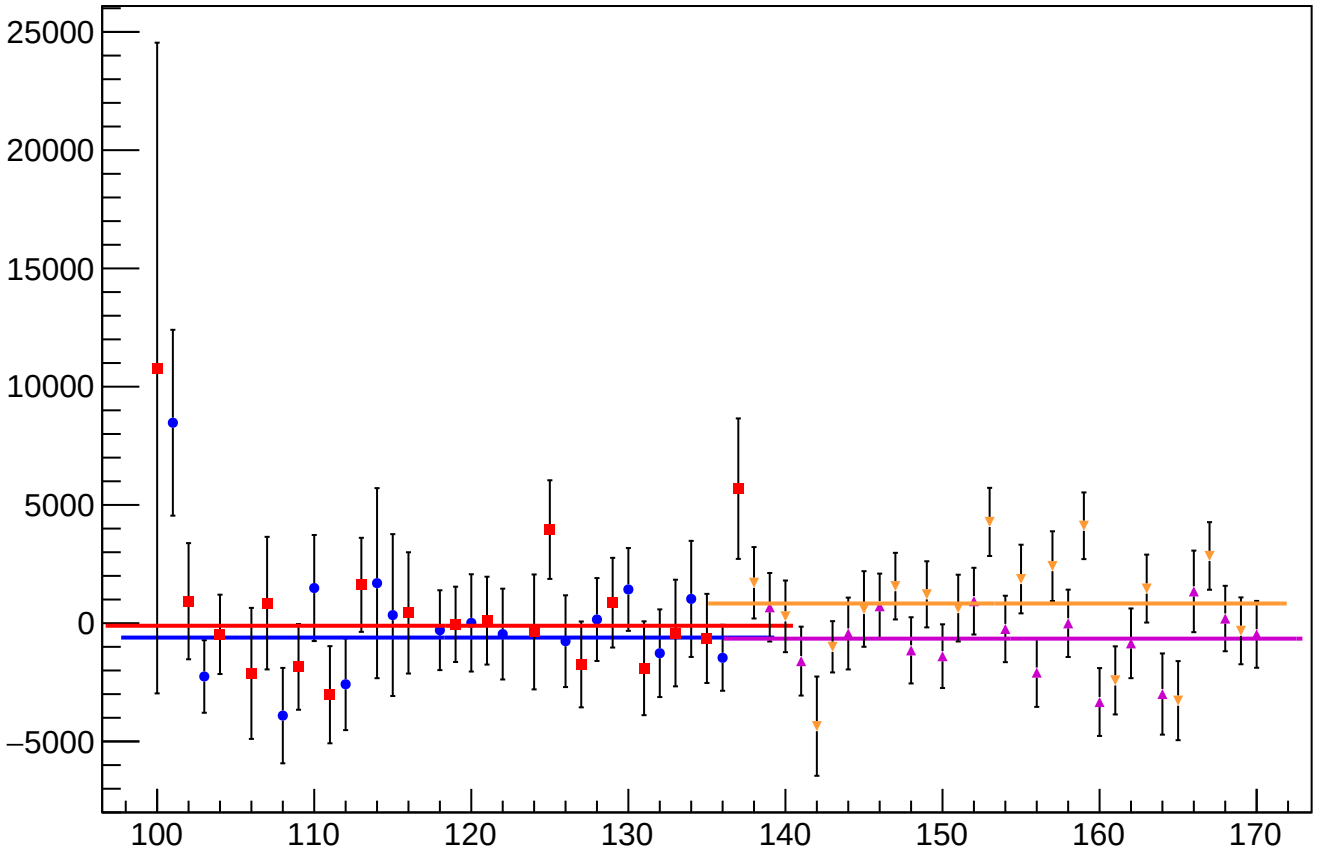
In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1288.581+/-0.201 χ^2/NDF:417435.1/35

All: 1300.807+/-0.144 χ^2/NDF: 959809.3/67


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: -508.088+/-1131.417 χ²/NDF:20.6/16
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -782.966+/-1220.471 χ²/NDF:10.2/15
Left: -635.134+/-829.731 χ²/NDF: 30.9/32
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -19.292+/-898.431 χ²/NDF:25.2/31
Out: -259.248+/-823.216 χ²/NDF:37.6/35
All: -149.733+/-606.953 χ²/NDF: 62.8/67


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: 3997.981+/-0.800 χ²/NDF:1518888.0/16
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4336.689+/-0.863 χ²/NDF:1017162.9/15
Left: 4154.528+/-0.587 χ²/NDF: 2618894.1/32
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3960.152+/-0.635 χ²/NDF:1807793.2/31
Out: 3618.780+/-0.582 χ²/NDF:2768768.6/35
All: 3774.580+/-0.429 χ²/NDF: 4733525.4/67



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.154+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -653.591+/-362.908 χ^2/NDF:12.3/15

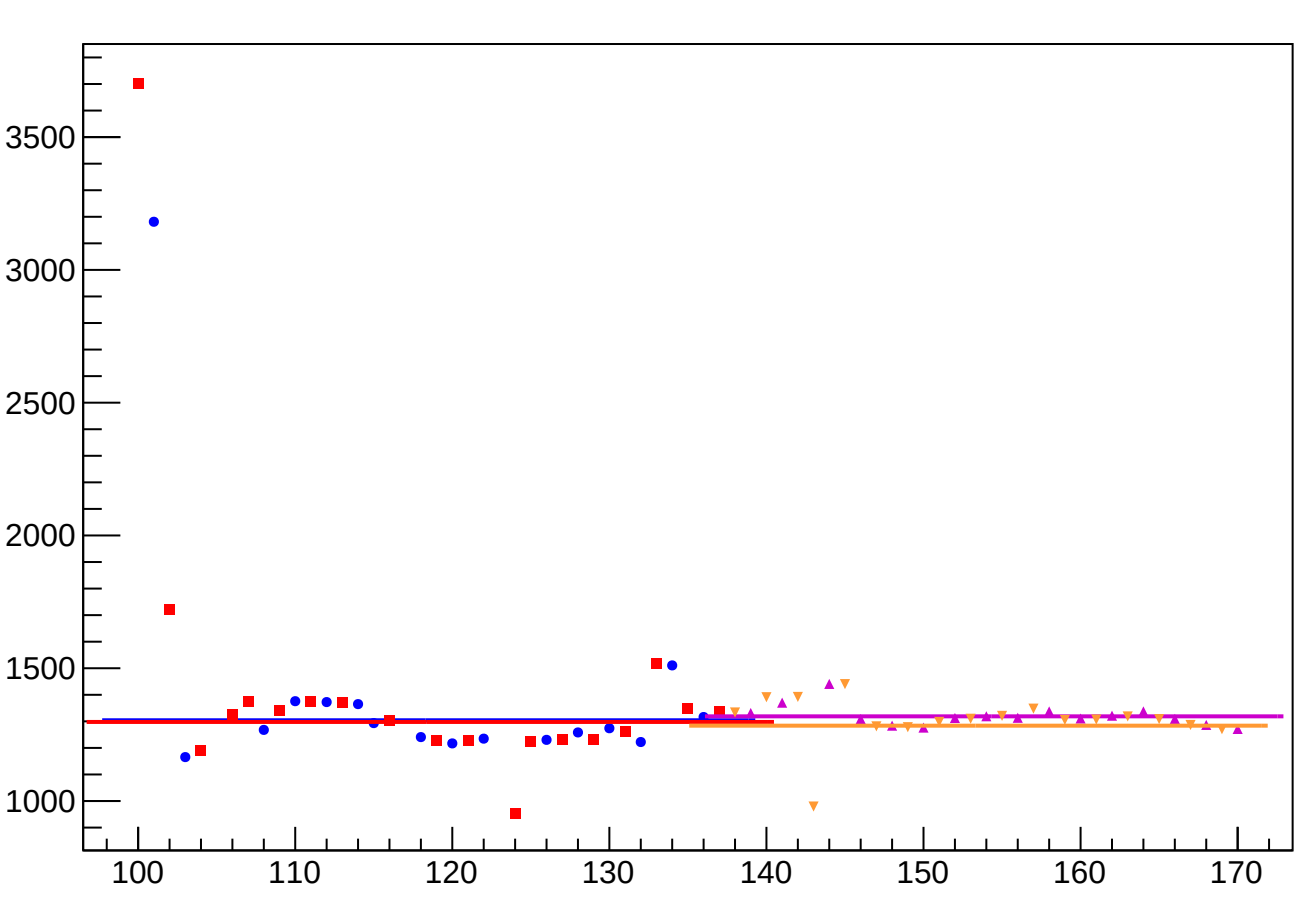
Left: 113.111+/-252.466 χ^2/NDF: 57.6/32

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

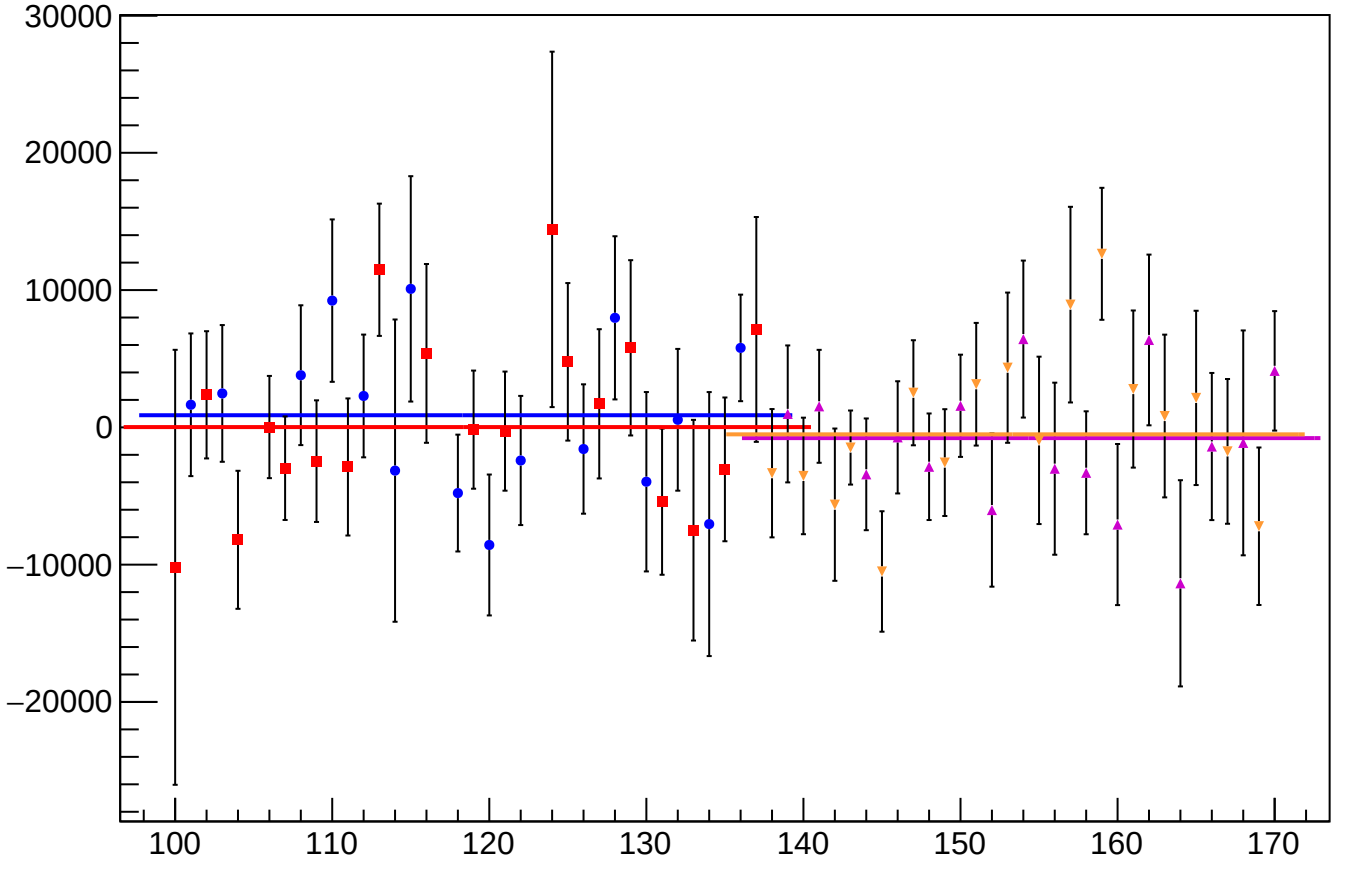
In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 508.726+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1283.748+/-0.249 χ²/NDF:203239.1/16
Right Out: 1297.796+/-0.343 χ²/NDF: 213097.0/18
Left In: 1318.908+/-0.257 χ²/NDF:23031.2/15
Left: 1300.764+/-0.179 χ²/NDF: 235958.0/32
Right: 1300.891+/-0.245 χ²/NDF: 723852.4/34
In: 1313.721+/-0.207 χ²/NDF:534787.1/31
Out: 1288.582+/-0.201 χ²/NDF:417435.7/35
All: 1300.808+/-0.144 χ²/NDF: 959810.5/67

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: -508.085+/-1131.418 χ^2/NDF:20.6/16

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -782.965+/-1220.473 χ^2/NDF:10.2/15

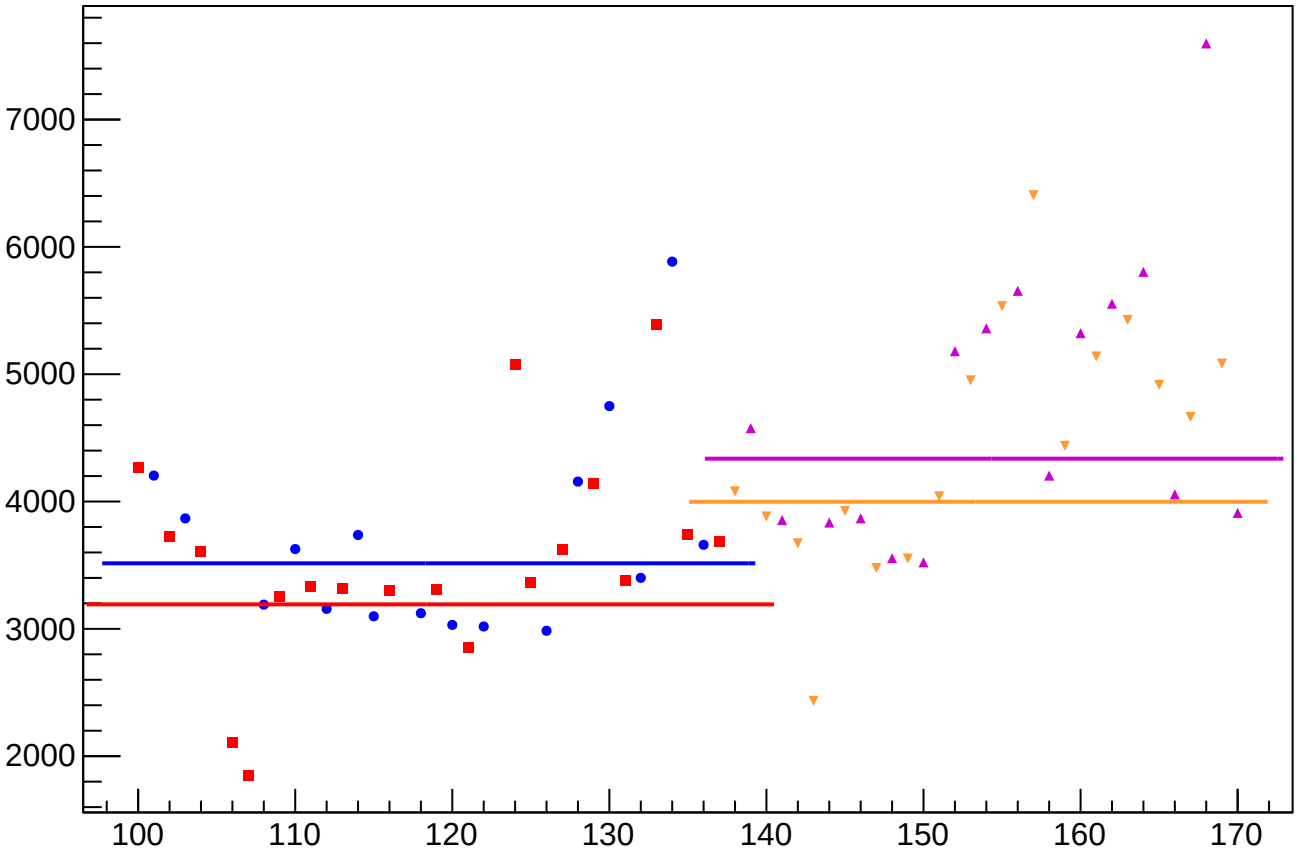
Left: -635.132+/-829.732 χ^2/NDF: 30.9/32

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -19.293+/-898.430 χ^2/NDF:25.2/31

Out: -259.247+/-823.215 χ^2/NDF:37.6/35

All: -149.733+/-606.953 χ^2/NDF: 62.8/67



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3997.986+/-0.800 χ^2/NDF:1518889.2/16

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

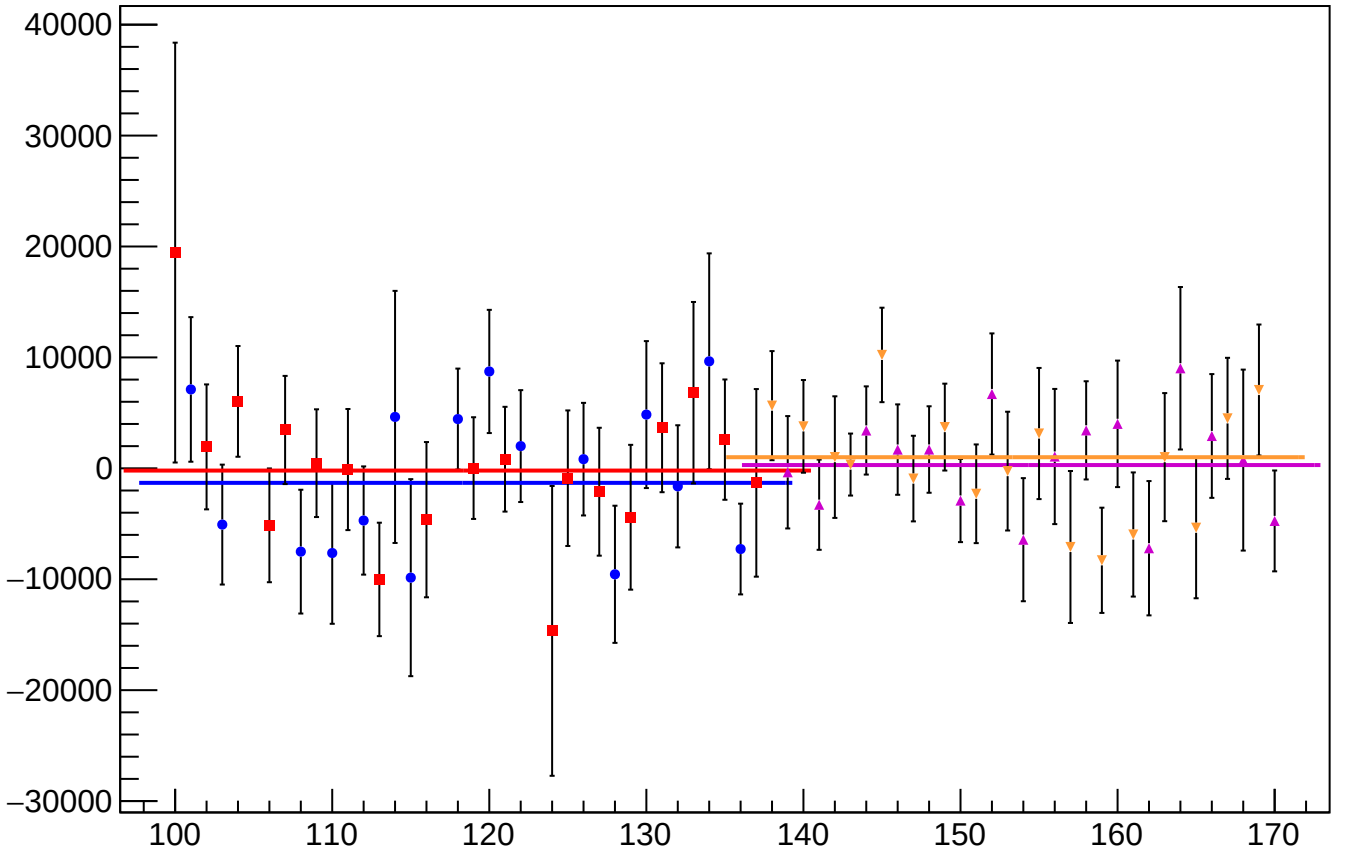
Left: 4154.534+/-0.587 χ^2/NDF: 2618897.4/32

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3618.778+/-0.582 χ^2/NDF:2768788.6/35

All: 3774.578+/-0.429 χ^2/NDF: 4733567.2/67



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1002.840+/-1135.187 χ^2/NDF:16.8/16

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 295.262+/-1216.245 χ^2/NDF:10.6/15

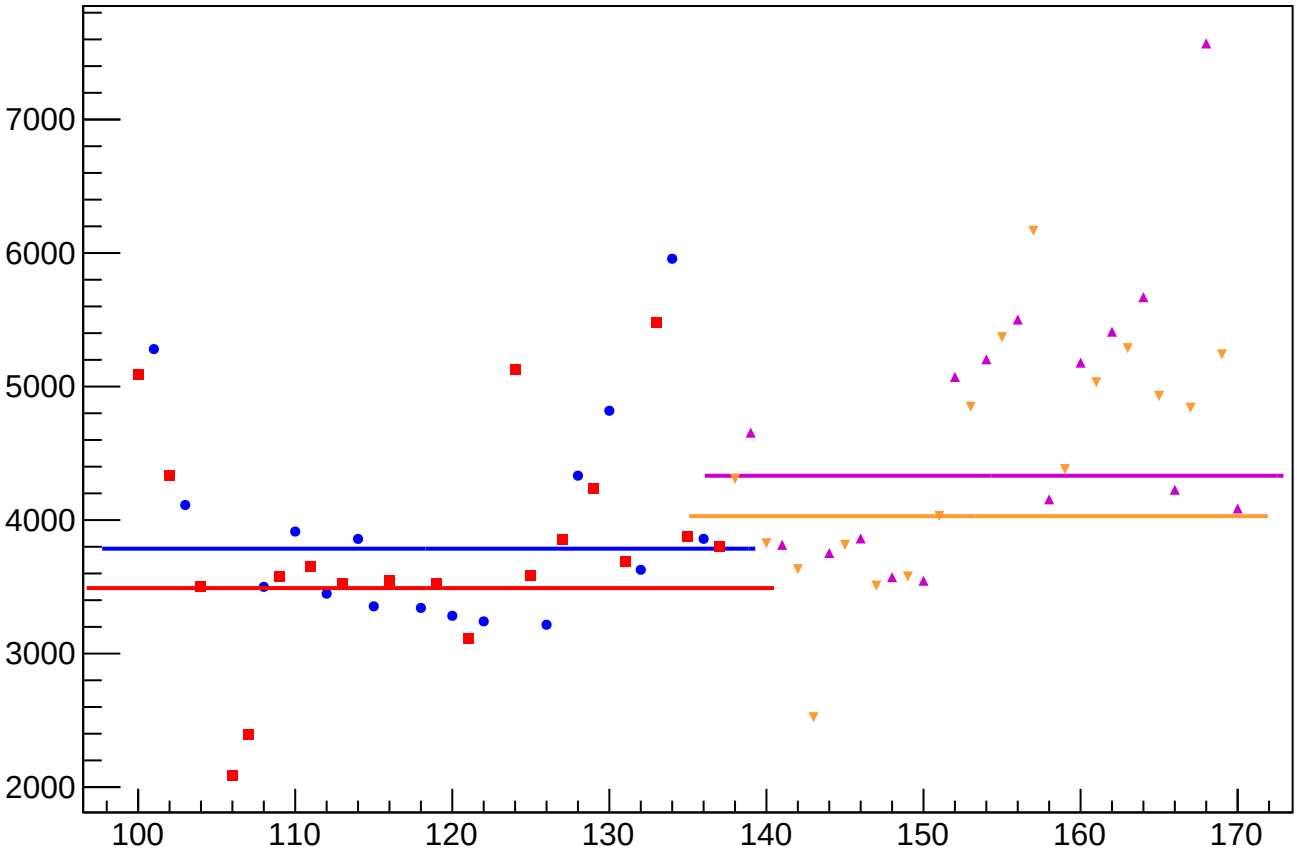
Left: 673.414+/-829.876 χ^2/NDF: 27.5/32

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 497.883+/-865.092 χ^2/NDF:28.9/35

All: 90.407+/-632.438 χ^2/NDF: 58.3/67



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4029.140+/-0.803 χ^2/NDF:1353686.2/16

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

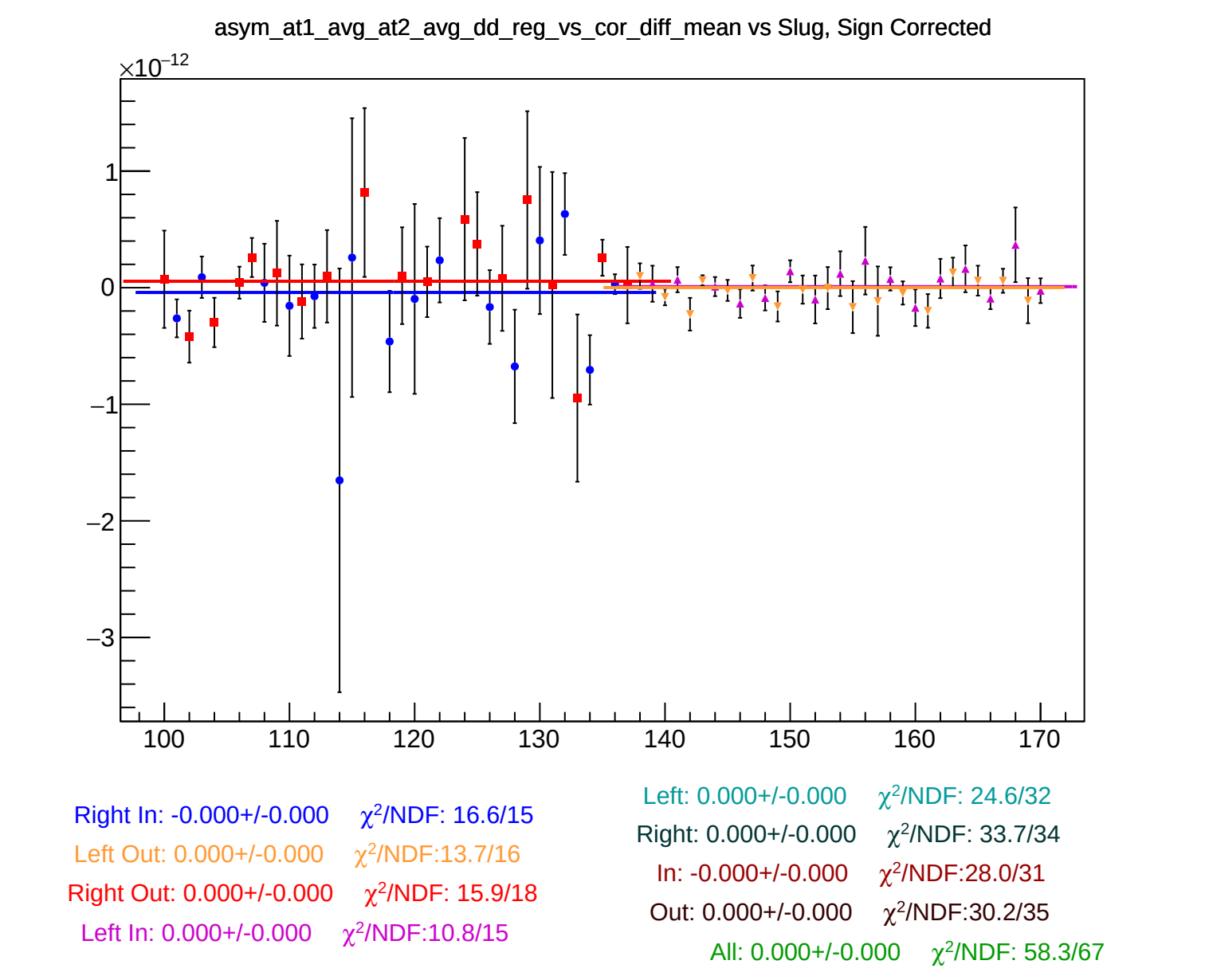
Left: 4170.142+/-0.587 χ^2/NDF: 2352223.3/32

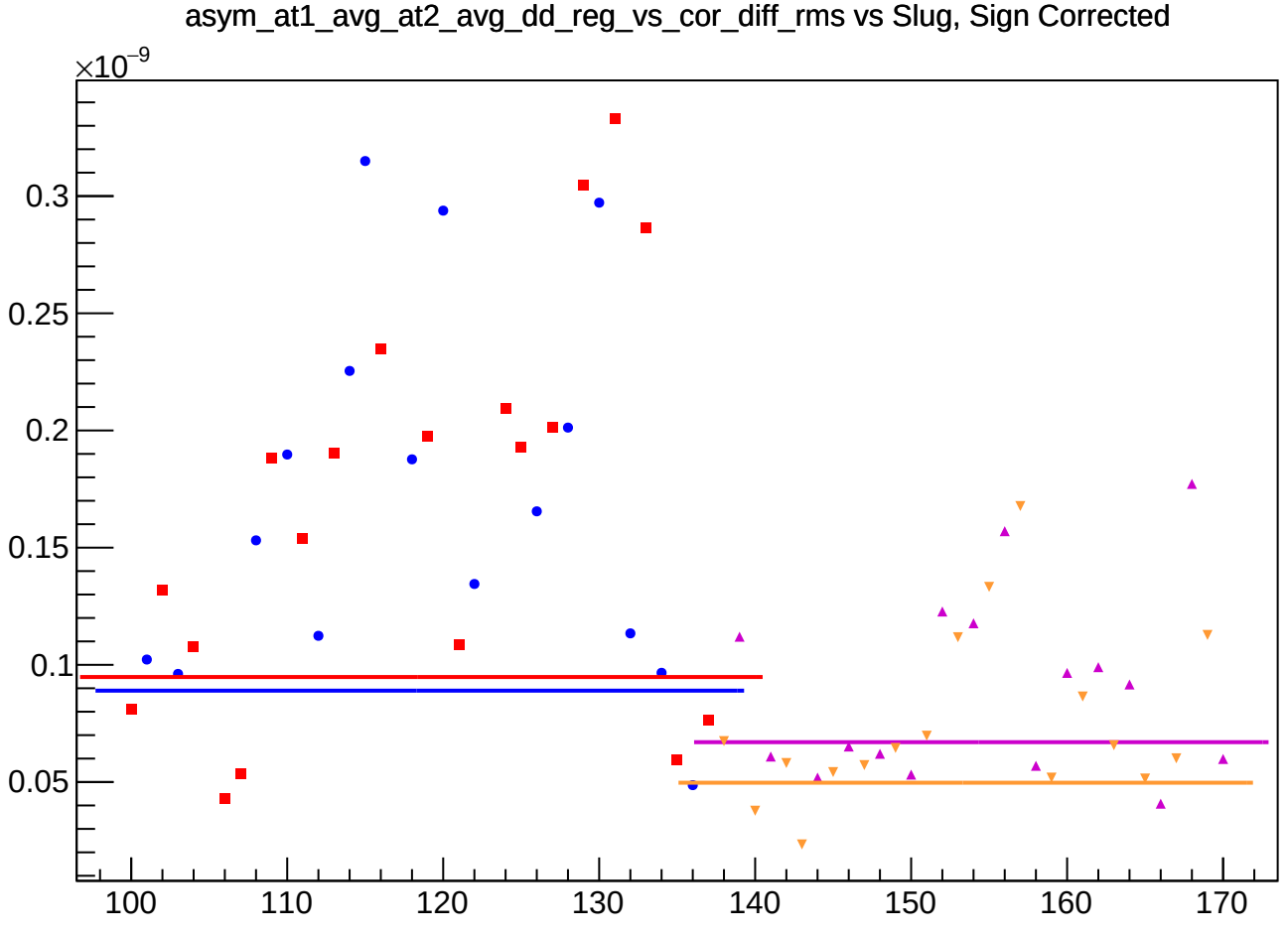
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3799.756+/-0.608 χ^2/NDF:2132120.1/35

All: 3940.066+/-0.446 χ^2/NDF: 3731518.9/67


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/16
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:10.8/15
Left: 0.000+/-0.000 χ²/NDF: 24.6/32
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:28.0/31
Out: 0.000+/-0.000 χ²/NDF:30.2/35
All: 0.000+/-0.000 χ²/NDF: 58.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2157329.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

Left: 0.000+/-0.000 χ^2/NDF: 3908793.4/32

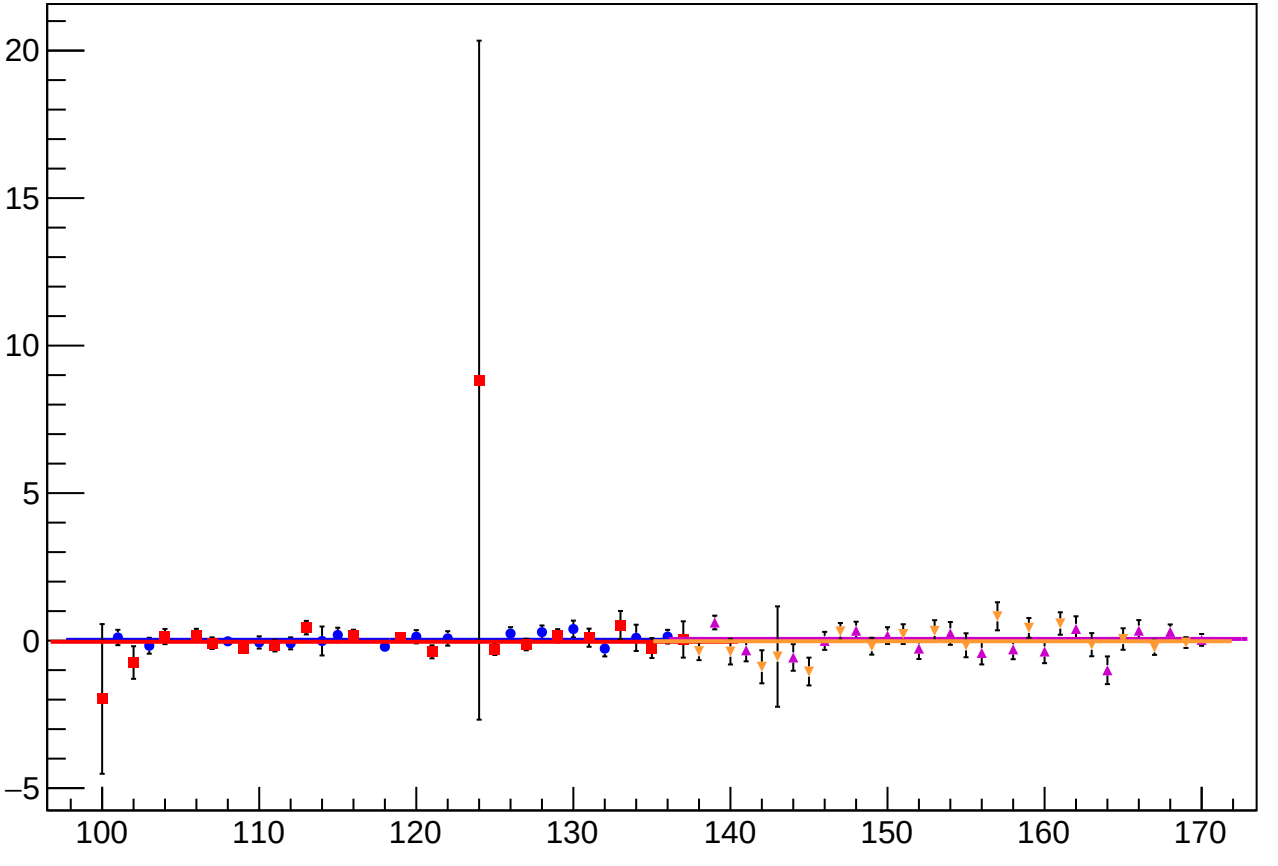
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052028.5/31

Out: 0.000+/-0.000 χ^2/NDF:4757392.1/35

All: 0.000+/-0.000 χ^2/NDF: 8218768.5/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

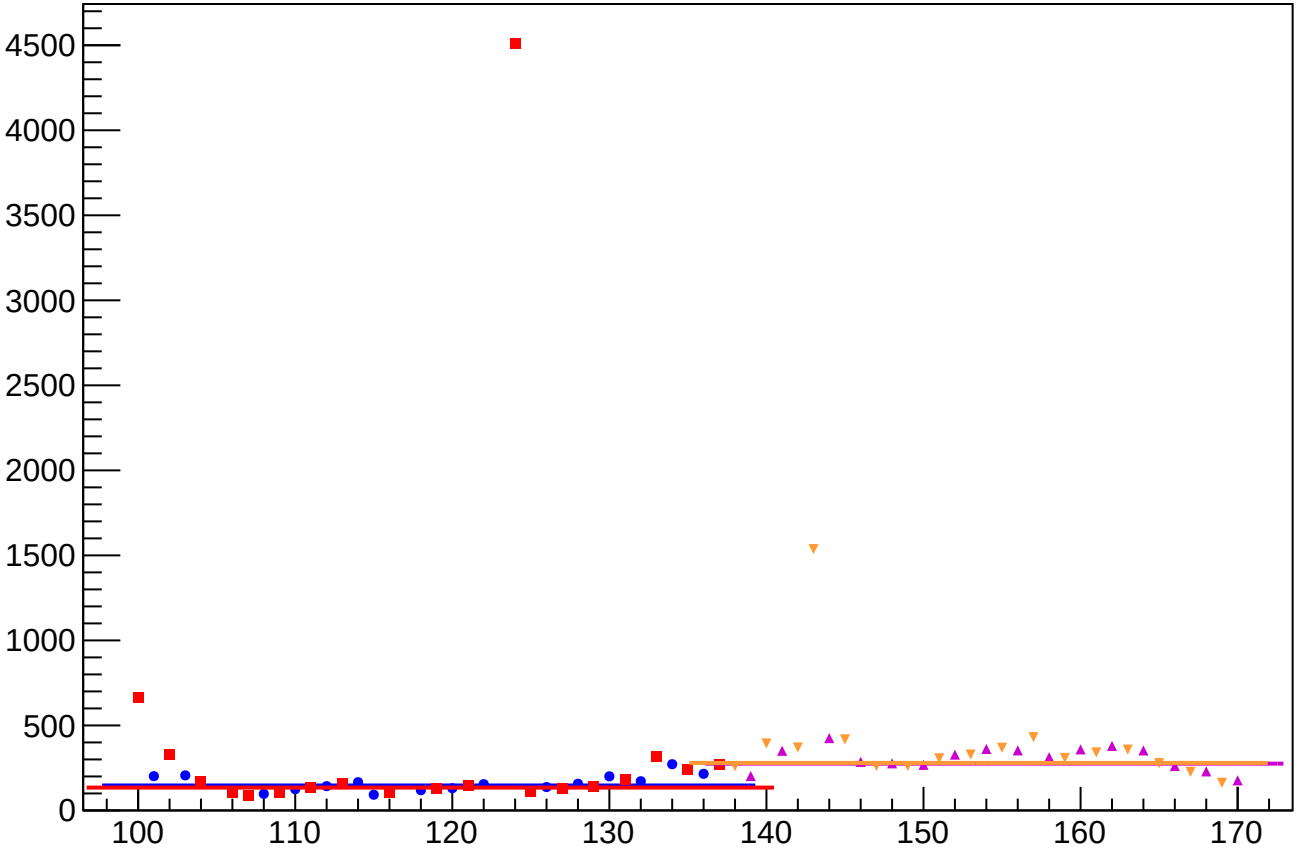
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

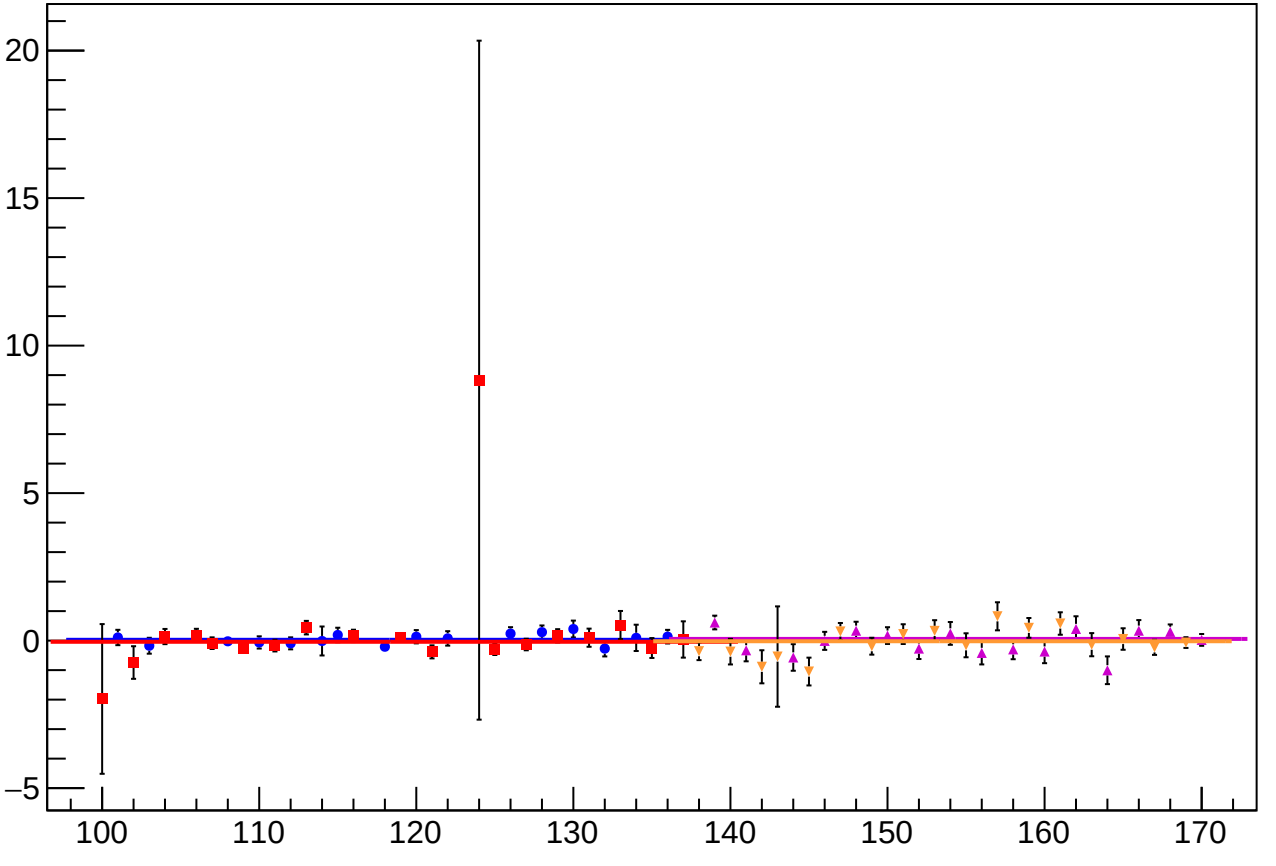
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

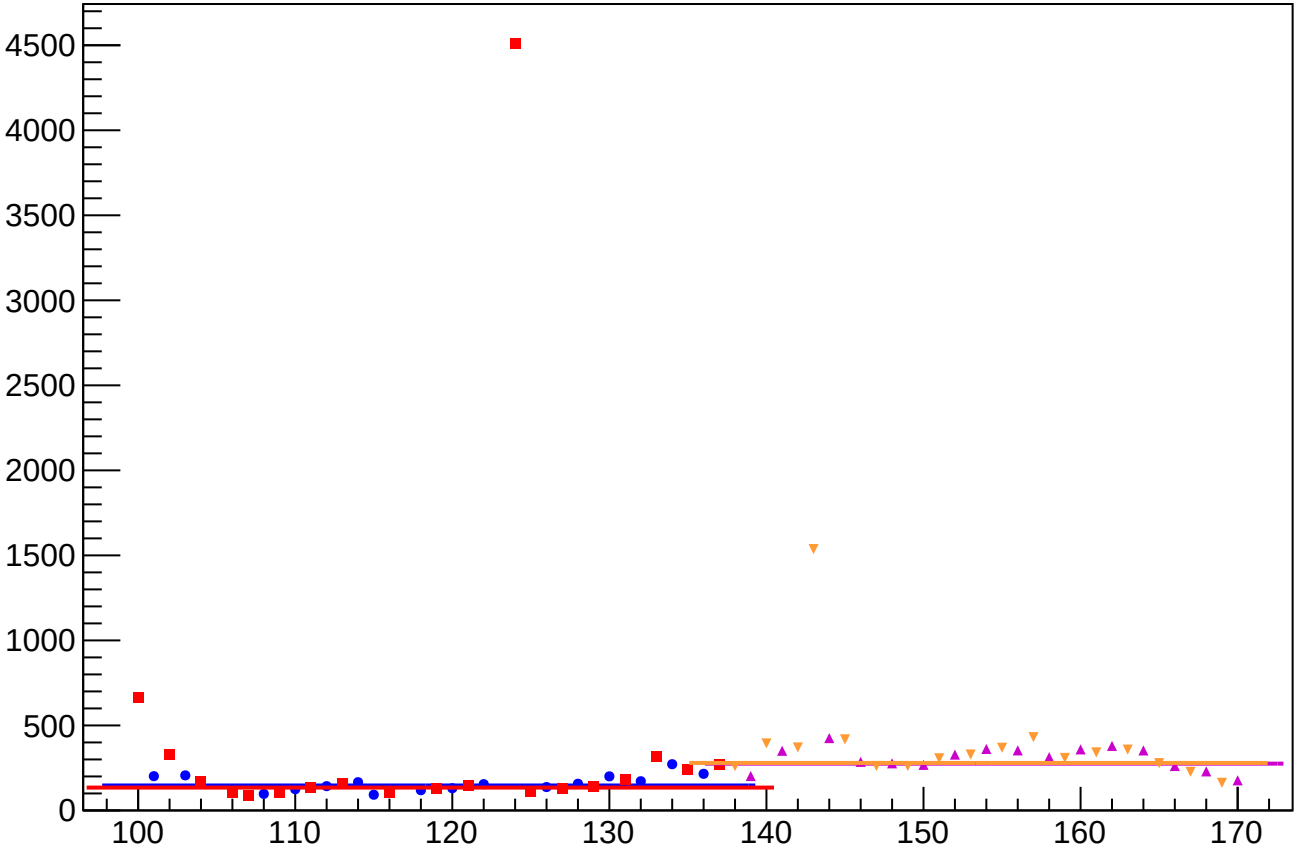
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

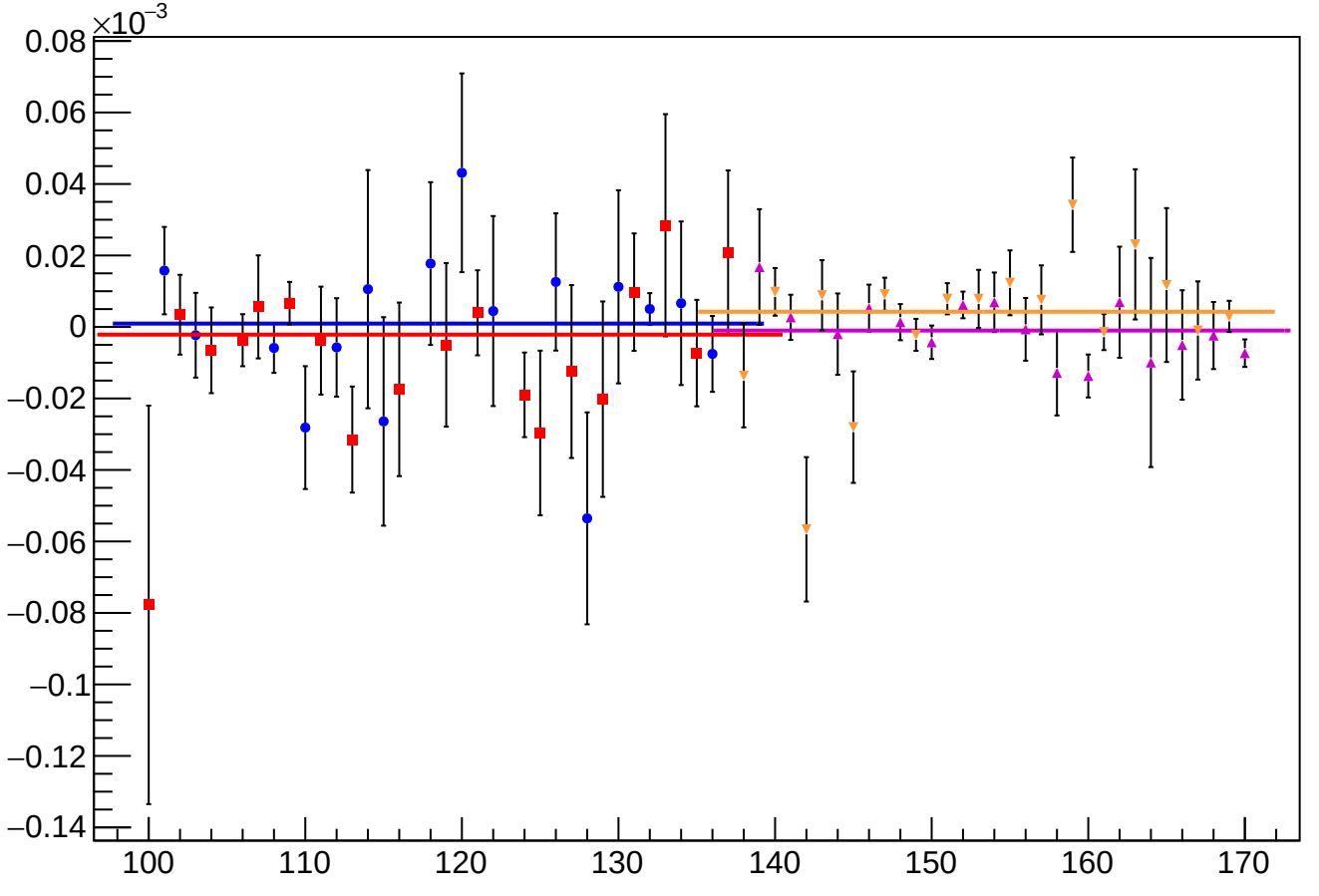
Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.4/16

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

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

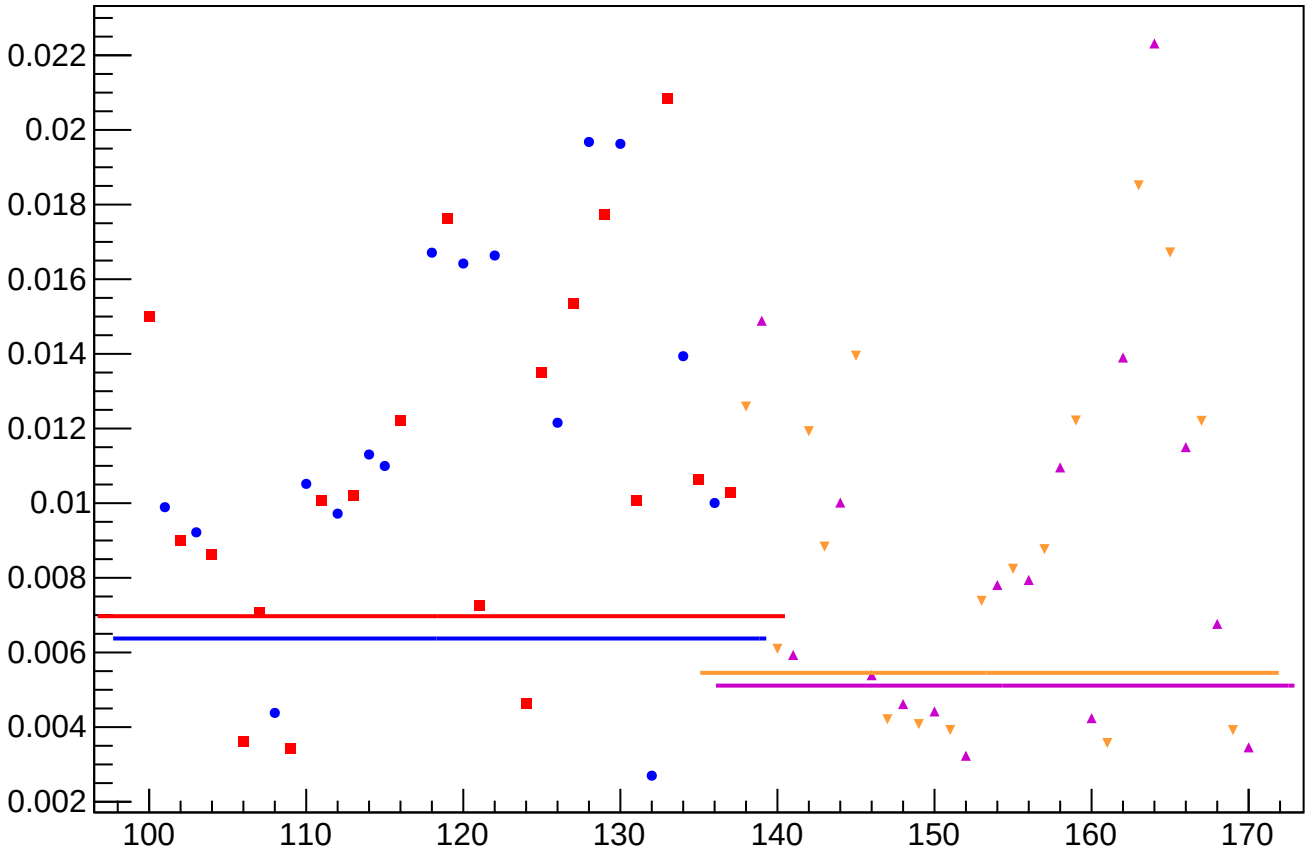
Left: 0.000+/-0.000 χ^2/NDF: 49.7/32

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.6/31

Out: 0.000+/-0.000 χ^2/NDF:47.9/35

All: 0.000+/-0.000 χ^2/NDF: 81.8/67



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5512404.9/16

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10314582.4/32

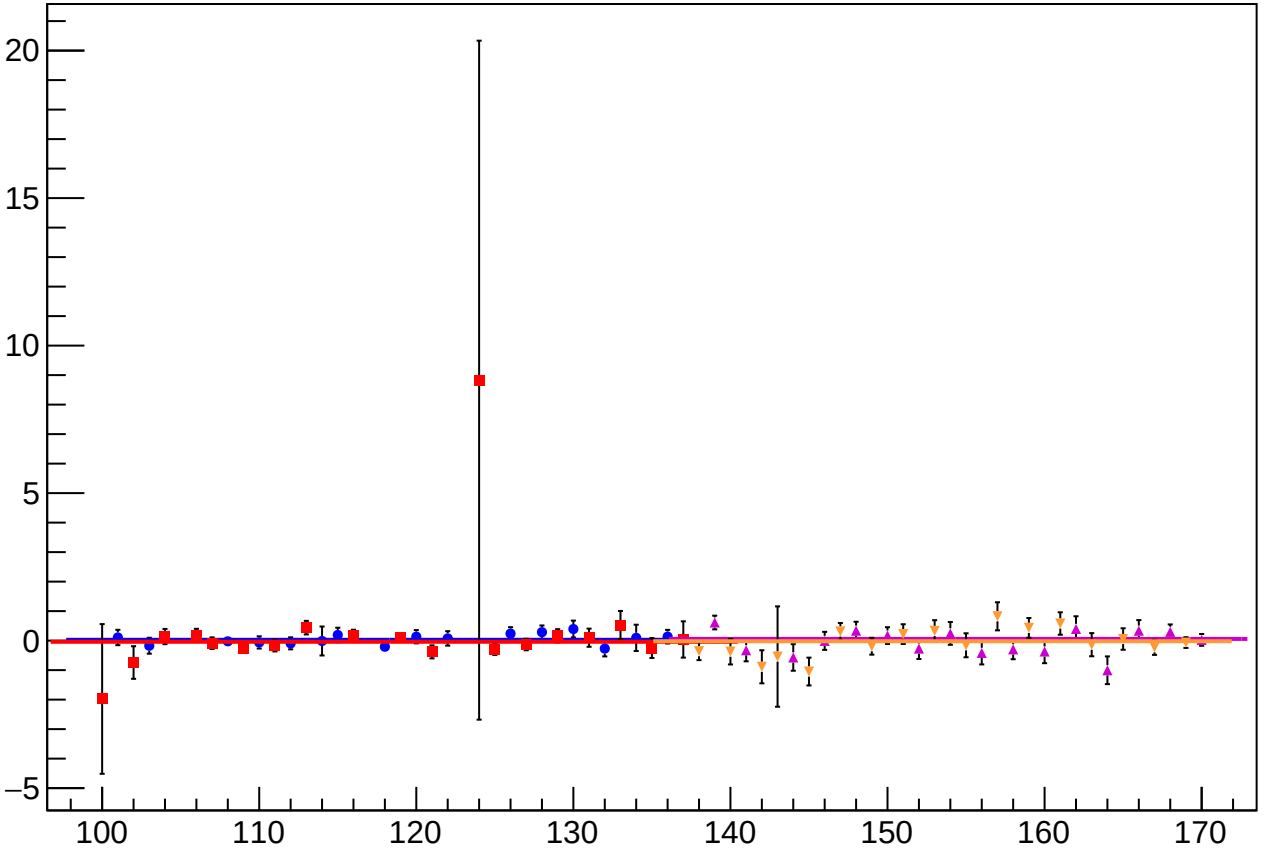
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304887.3/35

All: 0.006+/-0.000 χ^2/NDF: 19066016.3/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

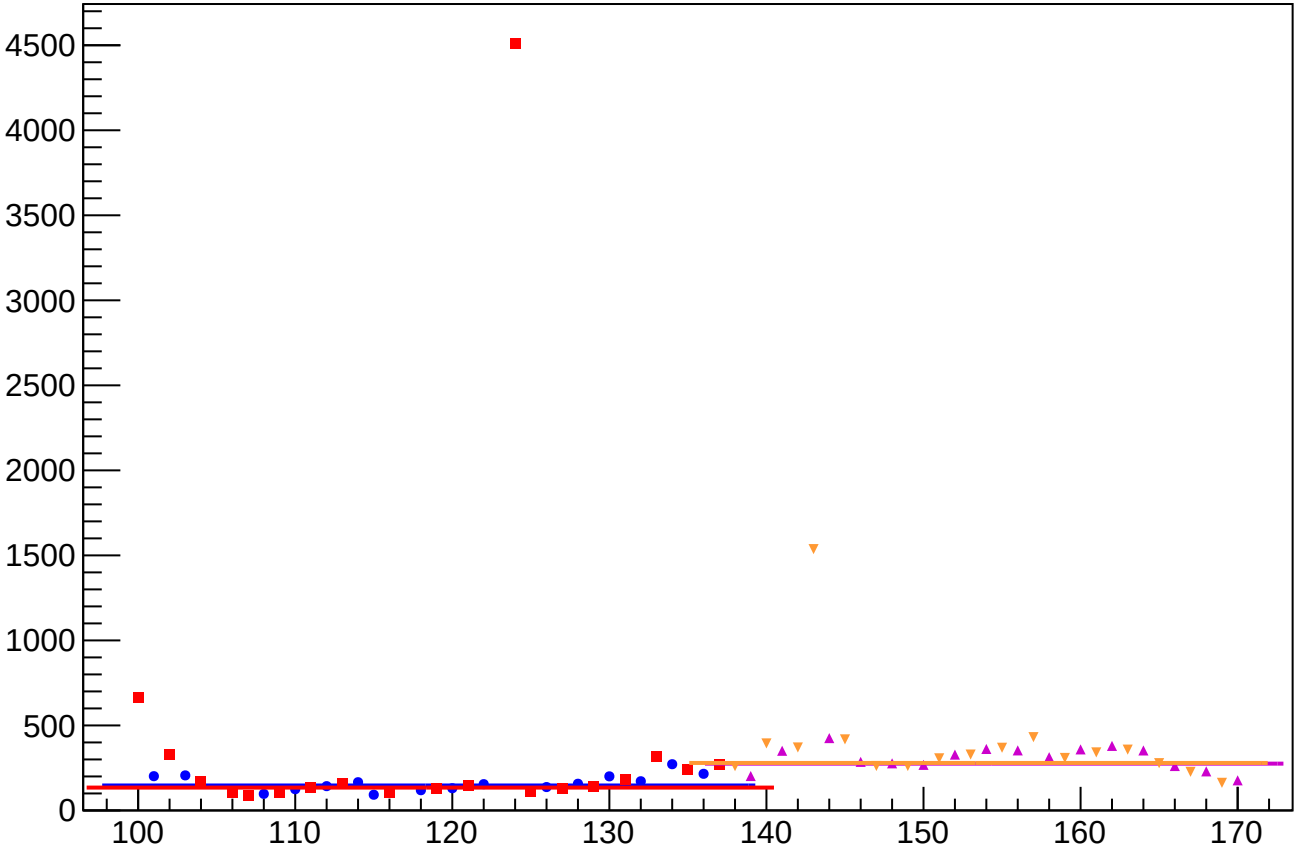
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

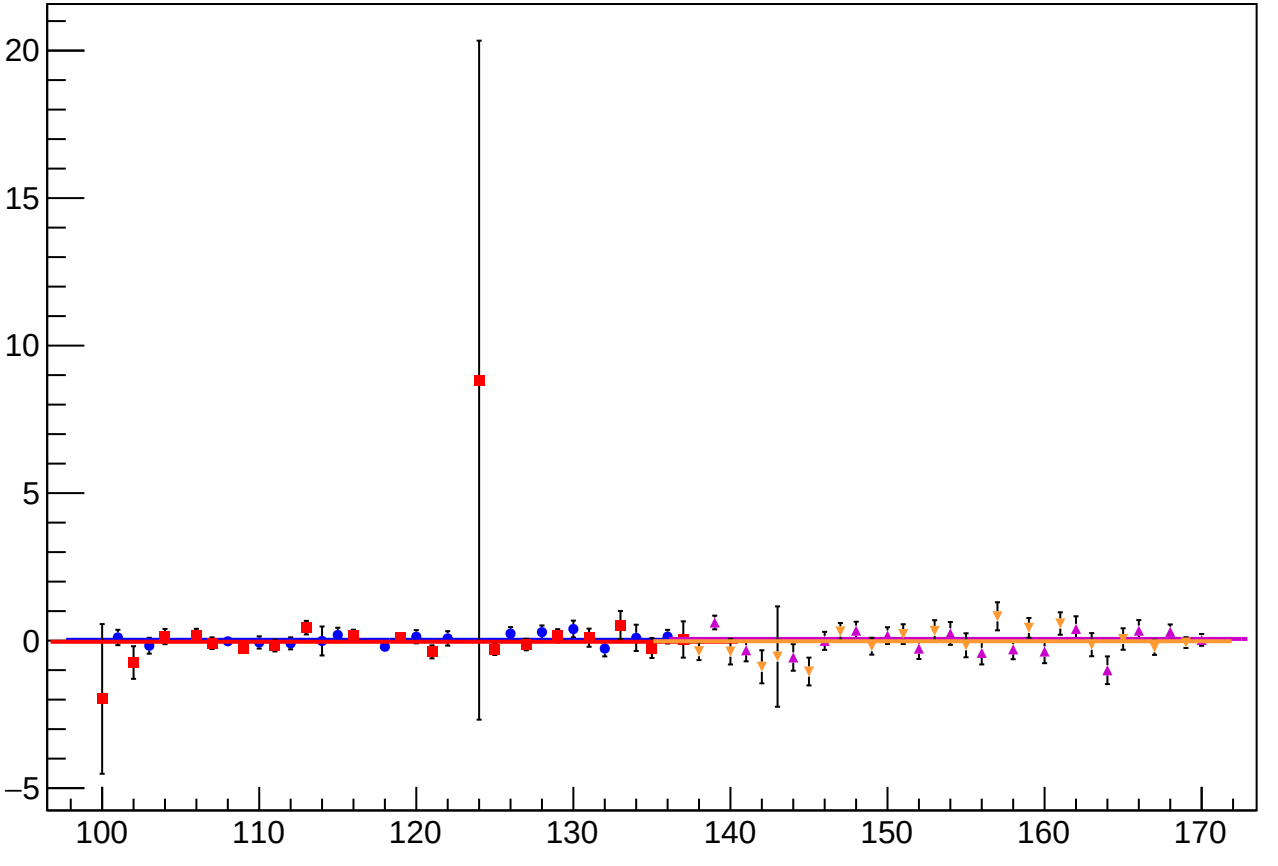
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

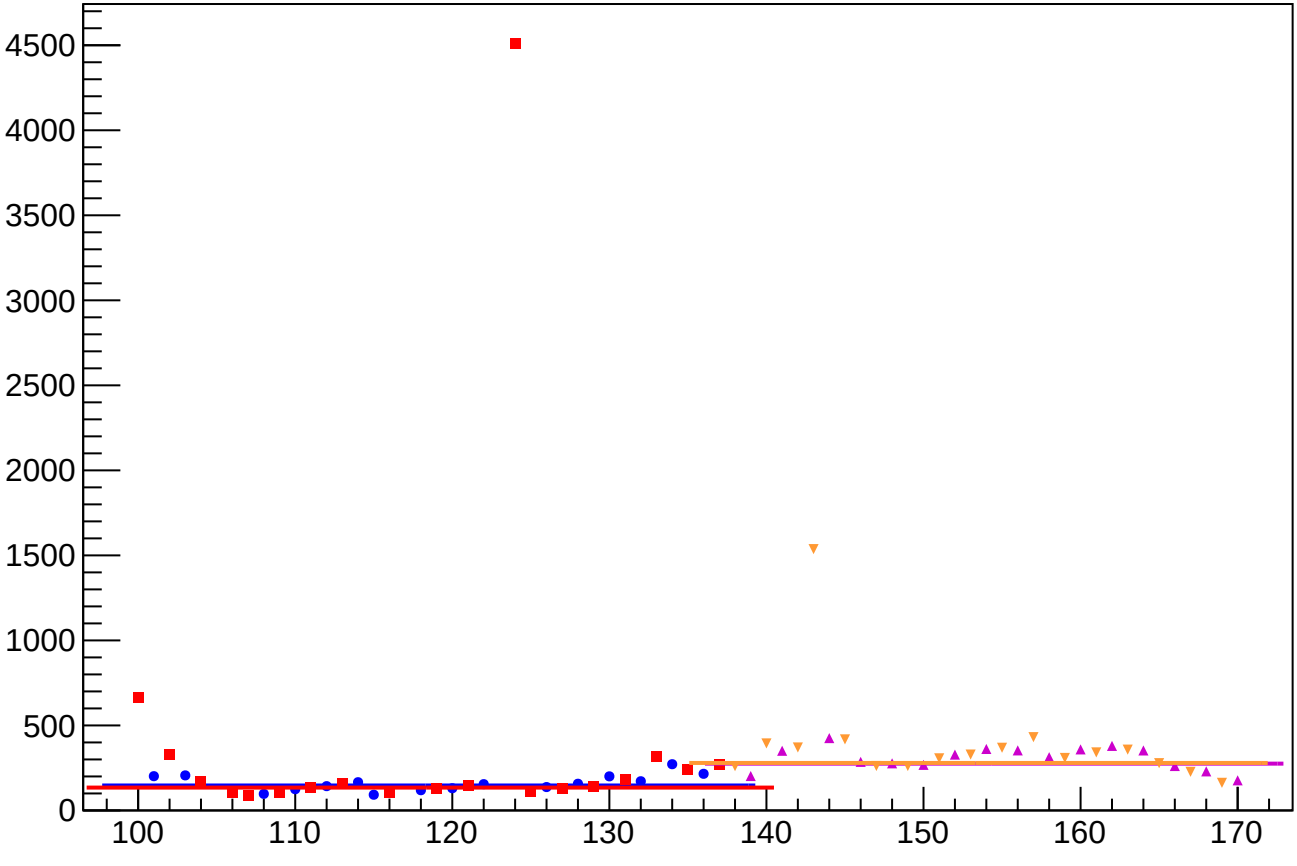
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

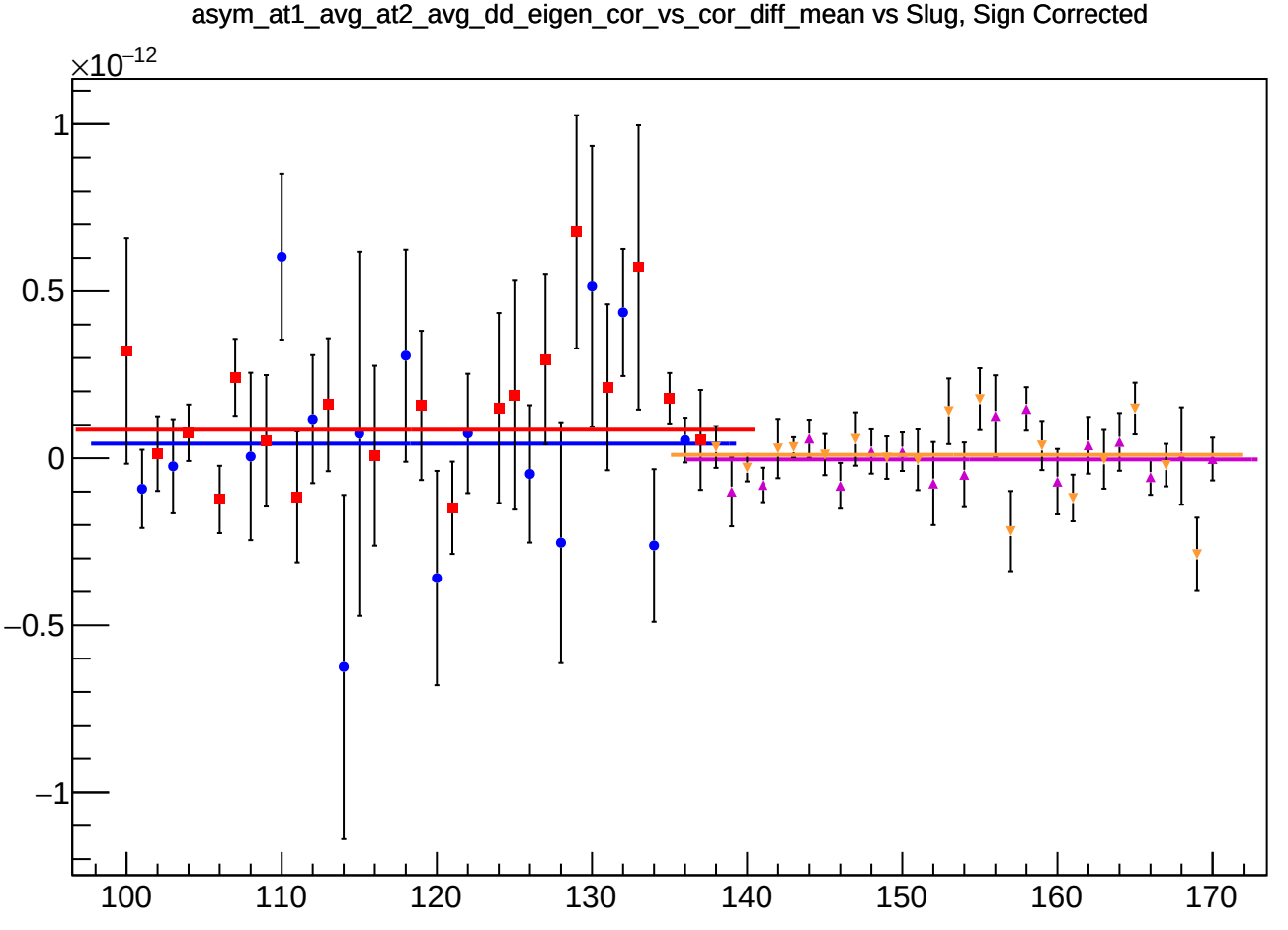
Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/15

Left: 0.000+/-0.000 χ^2/NDF: 40.5/32

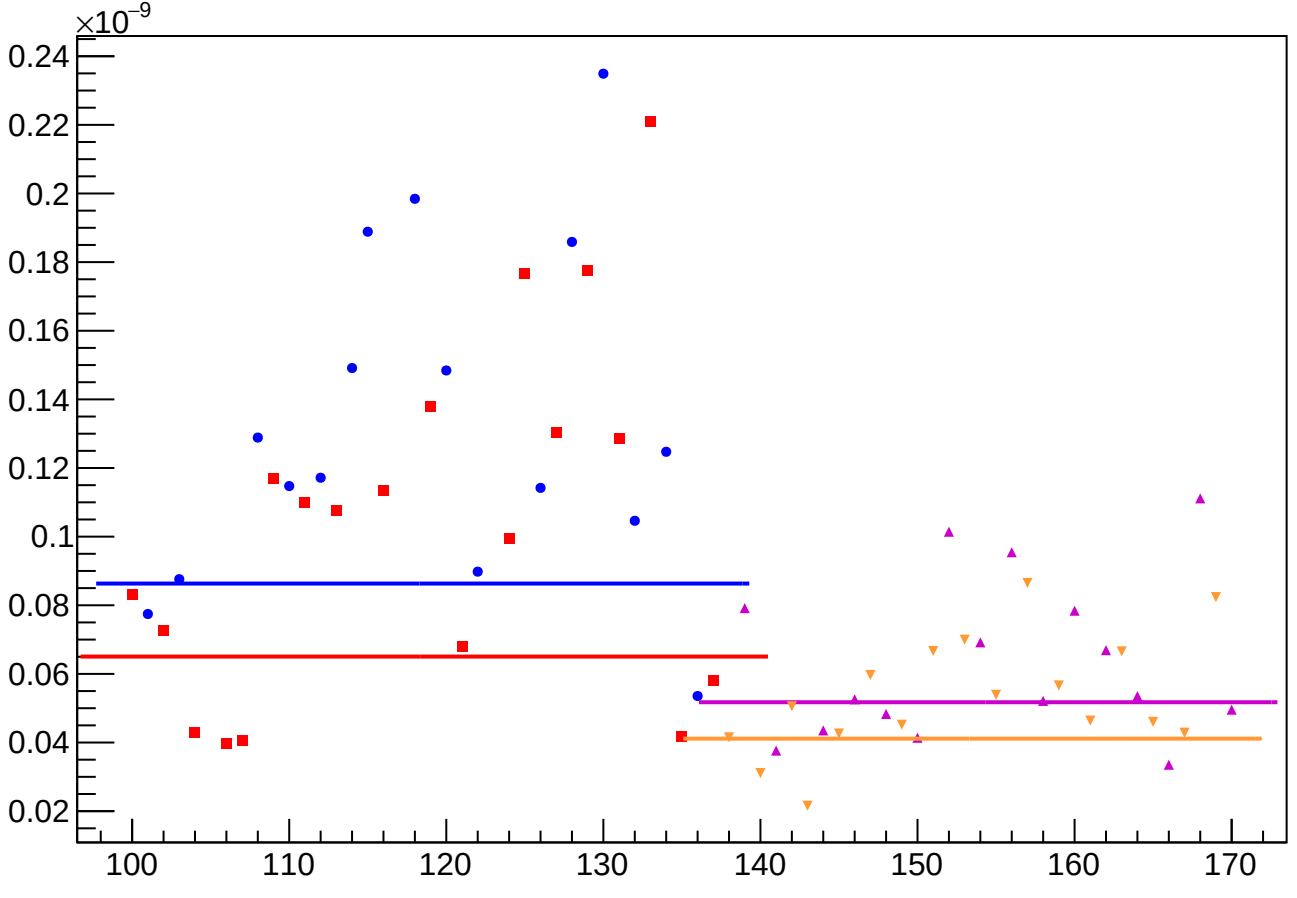
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.3/35

All: 0.000+/-0.000 χ^2/NDF: 83.1/67

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2344358.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

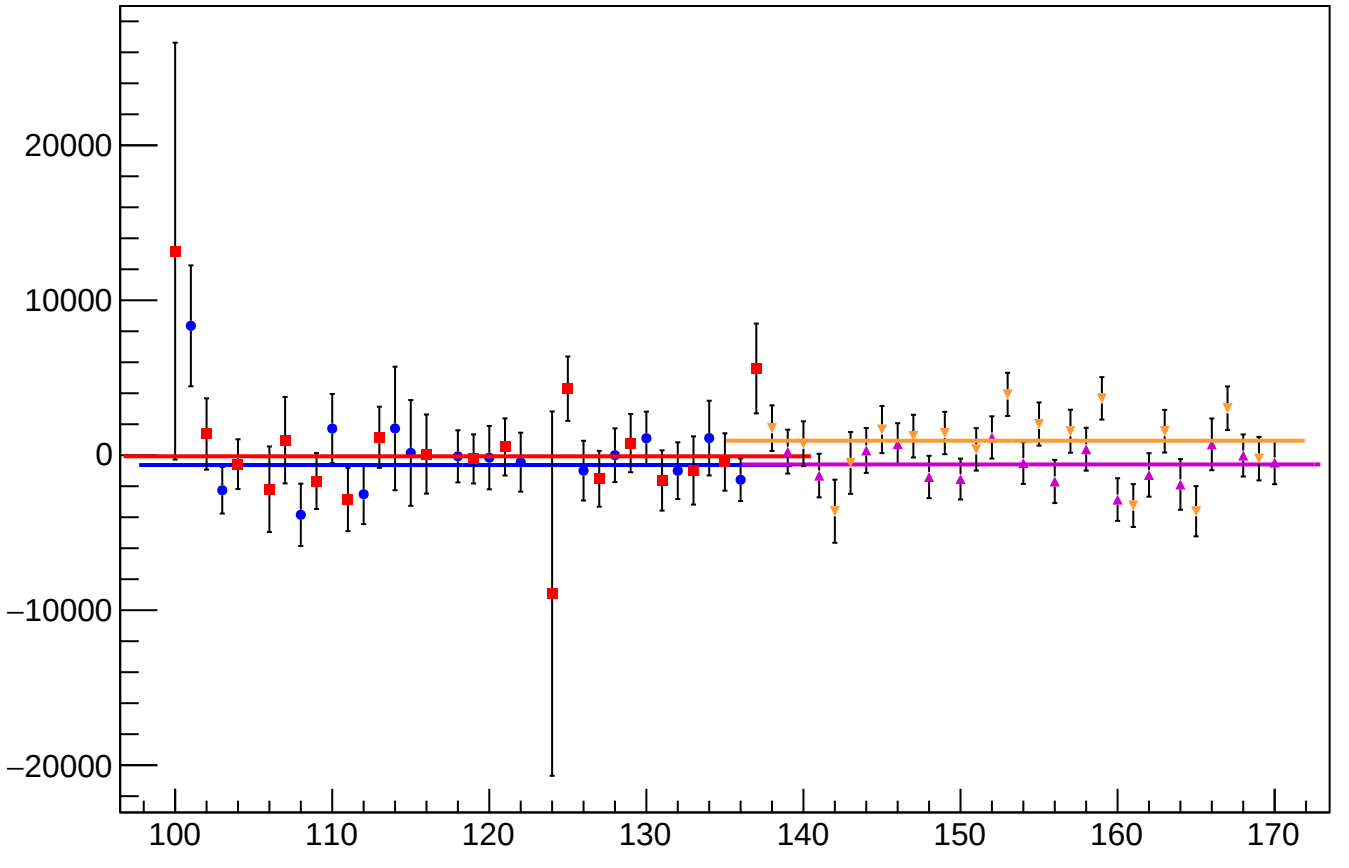
Left: 0.000+/-0.000 χ^2/NDF: 4570285.6/32

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5315337.7/35

All: 0.000+/-0.000 χ^2/NDF: 10411356.8/67



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.060+/-353.814 χ^2/NDF:35.9/16

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.475+/-351.364 χ^2/NDF:9.9/15

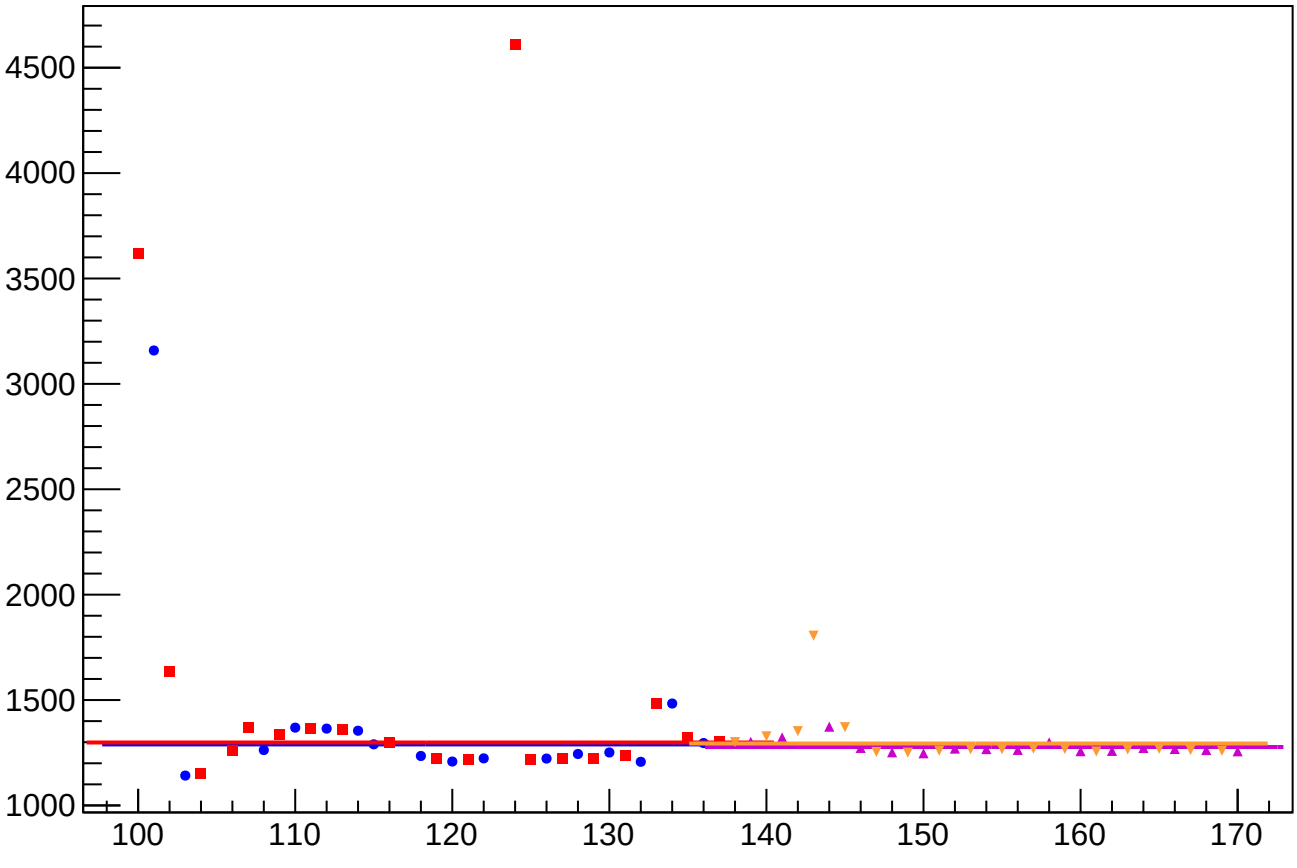
Left: 166.965+/-249.314 χ^2/NDF: 55.3/32

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 591.979+/-286.399 χ^2/NDF:54.6/35

All: -9.837+/-202.116 χ^2/NDF: 87.2/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

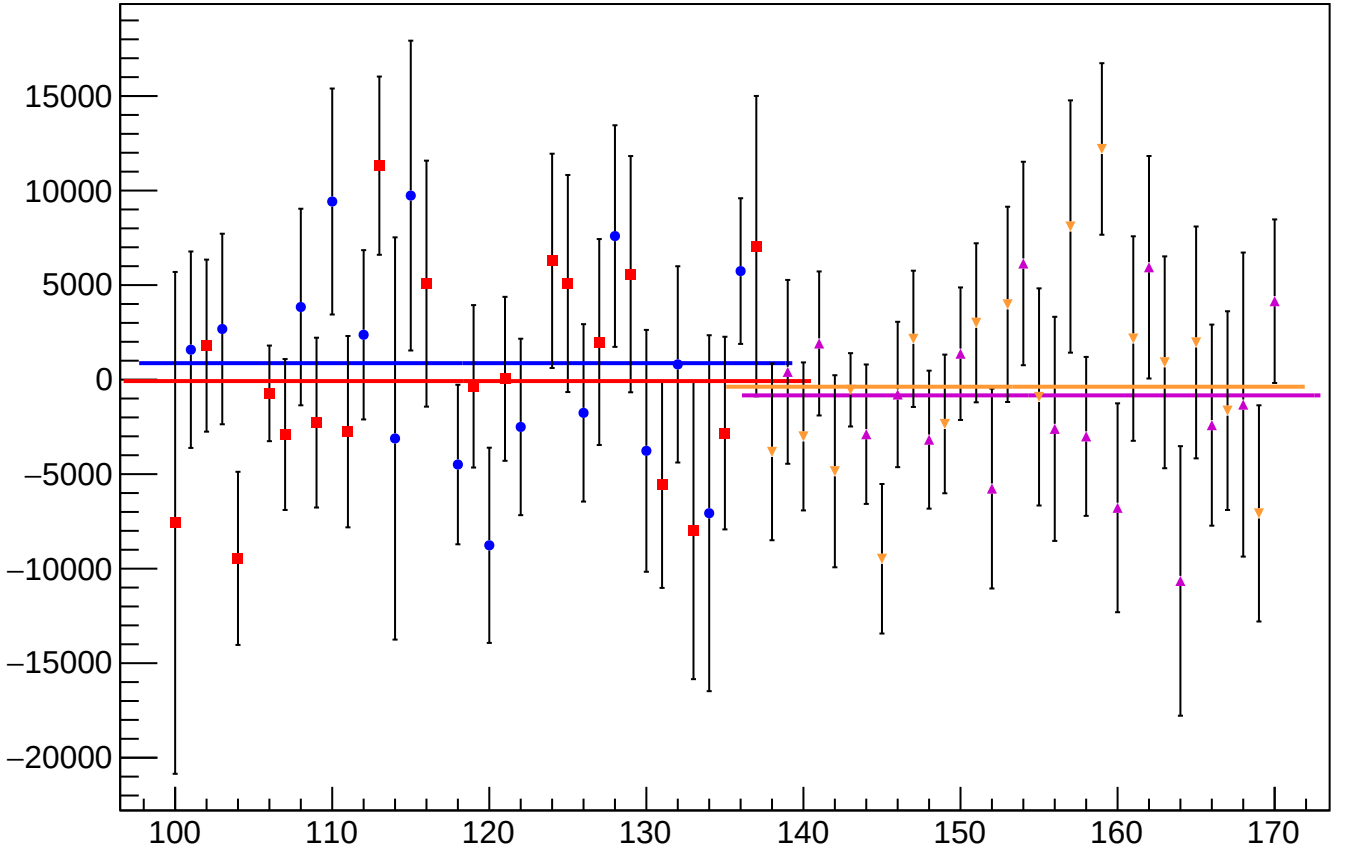
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1295.473+/-0.202 χ^2/NDF:471391.2/35

All: 1288.418+/-0.143 χ^2/NDF: 1004977.8/67

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: -376.488+/-1007.264 χ^2/NDF:20.4/16

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -834.151+/-1154.851 χ^2/NDF:10.4/15

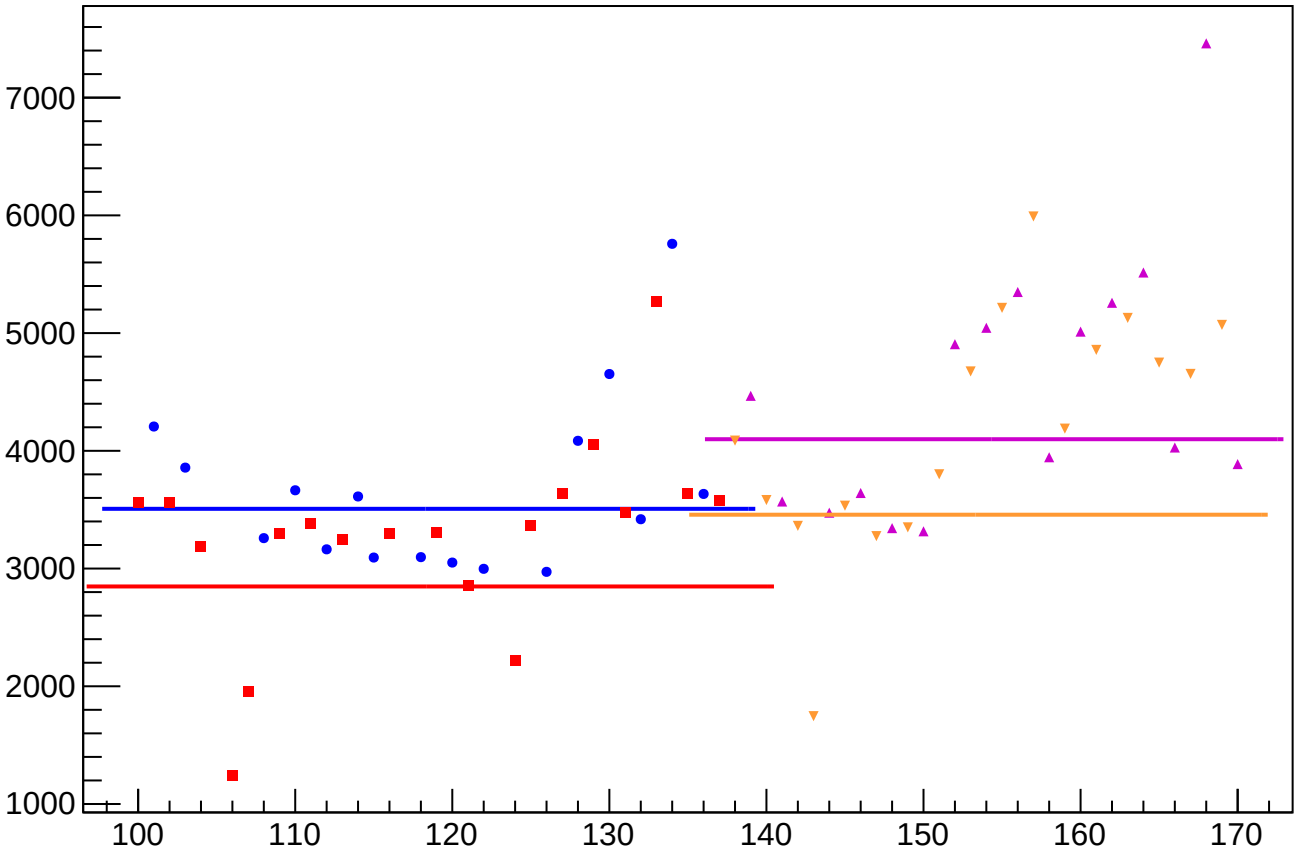
Left: -574.224+/-759.095 χ^2/NDF: 30.9/32

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -98.503+/-870.664 χ^2/NDF:25.4/31

Out: -241.531+/-746.252 χ^2/NDF:38.8/35

All: -180.957+/-566.607 χ^2/NDF: 64.2/67



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3457.353+/-0.712 χ^2/NDF:2918517.7/16

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

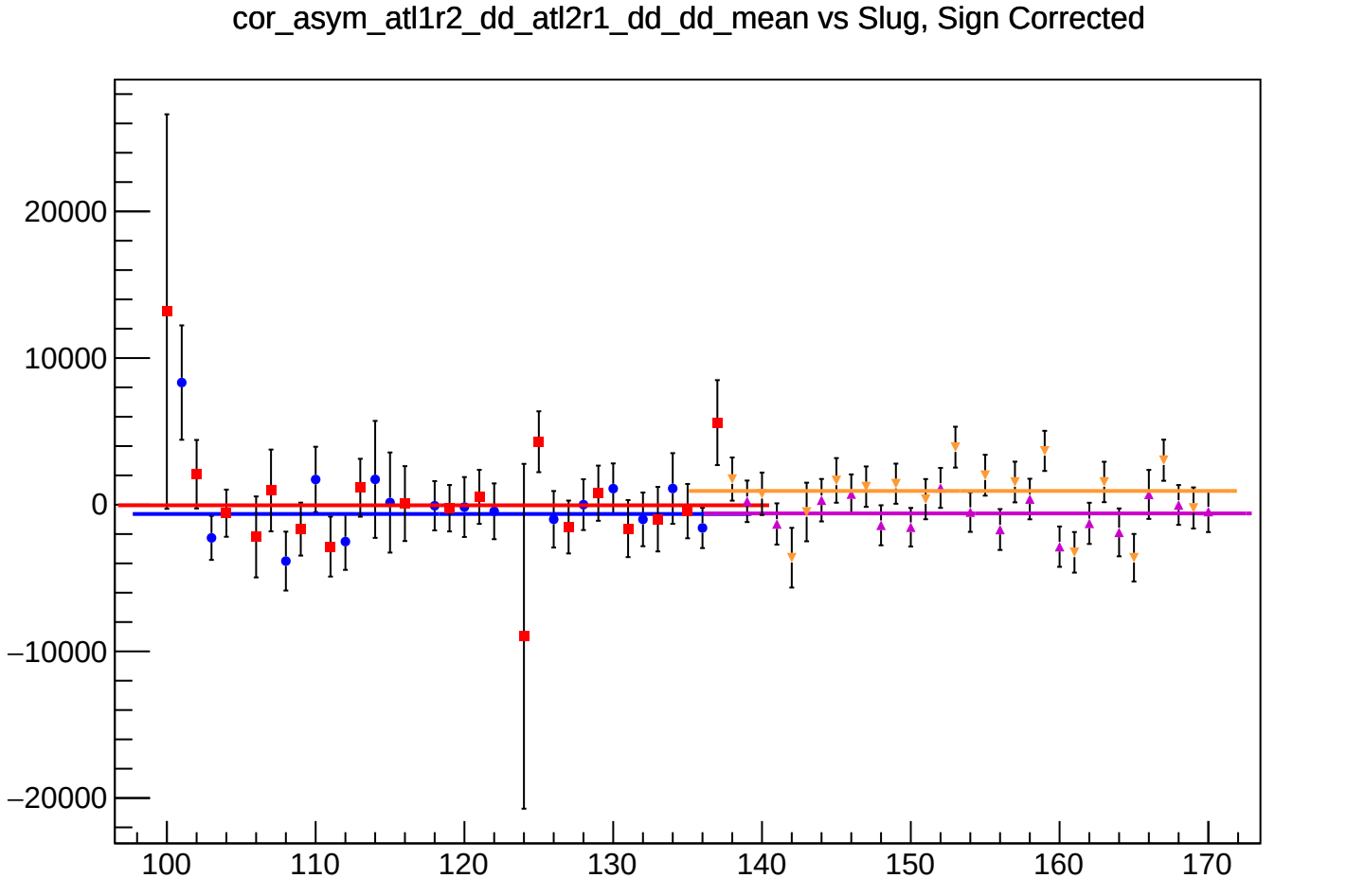
Left: 3734.423+/-0.537 χ^2/NDF: 4355788.3/32

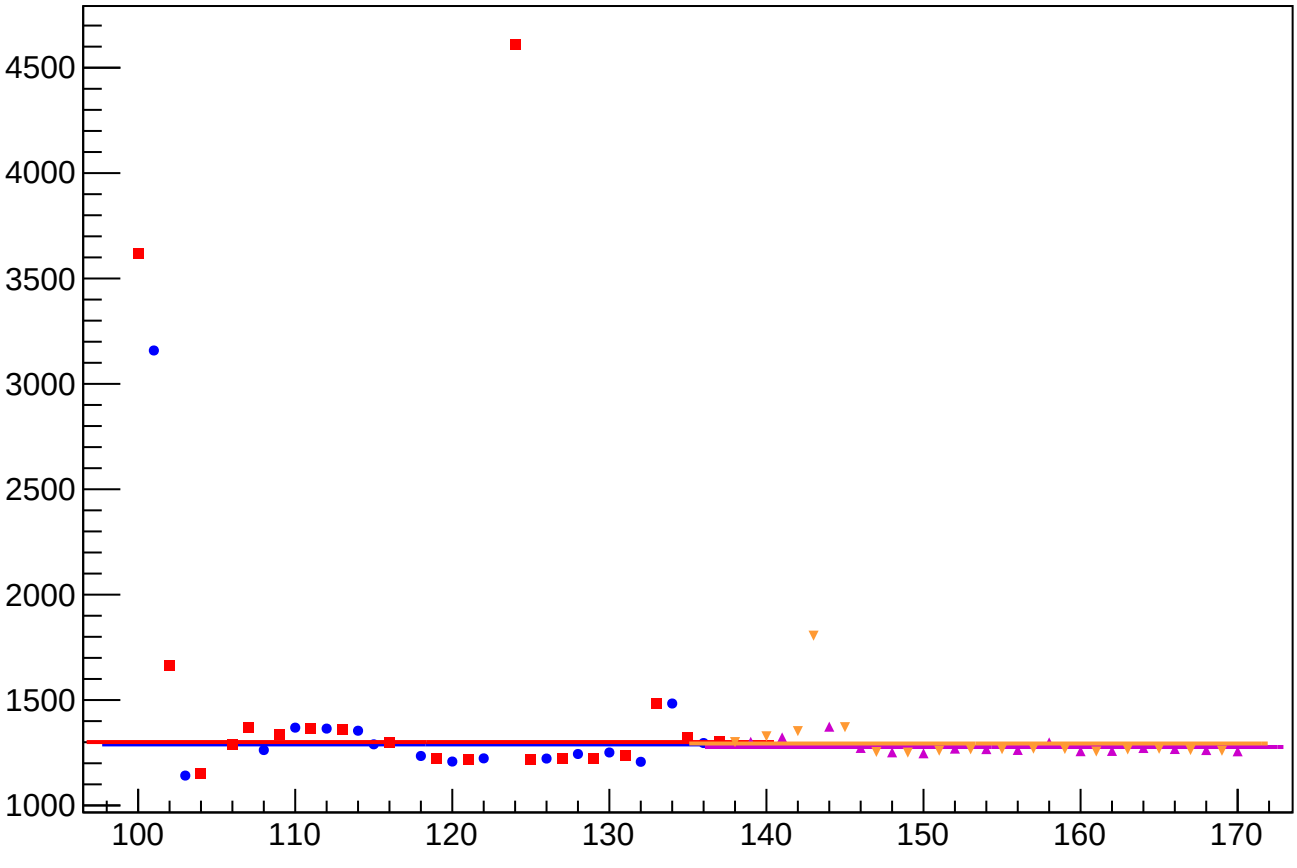
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3182.391+/-0.528 χ^2/NDF:4748263.4/35

All: 3462.357+/-0.401 χ^2/NDF: 7080182.5/67


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 939.089+/-353.814 χ²/NDF:35.9/16
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -594.460+/-351.364 χ²/NDF:9.9/15
Left: 166.987+/-249.314 χ²/NDF: 55.3/32
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -607.059+/-285.275 χ²/NDF:23.8/31
Out: 602.296+/-286.465 χ²/NDF:54.9/35
All: -4.898+/-202.139 χ²/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

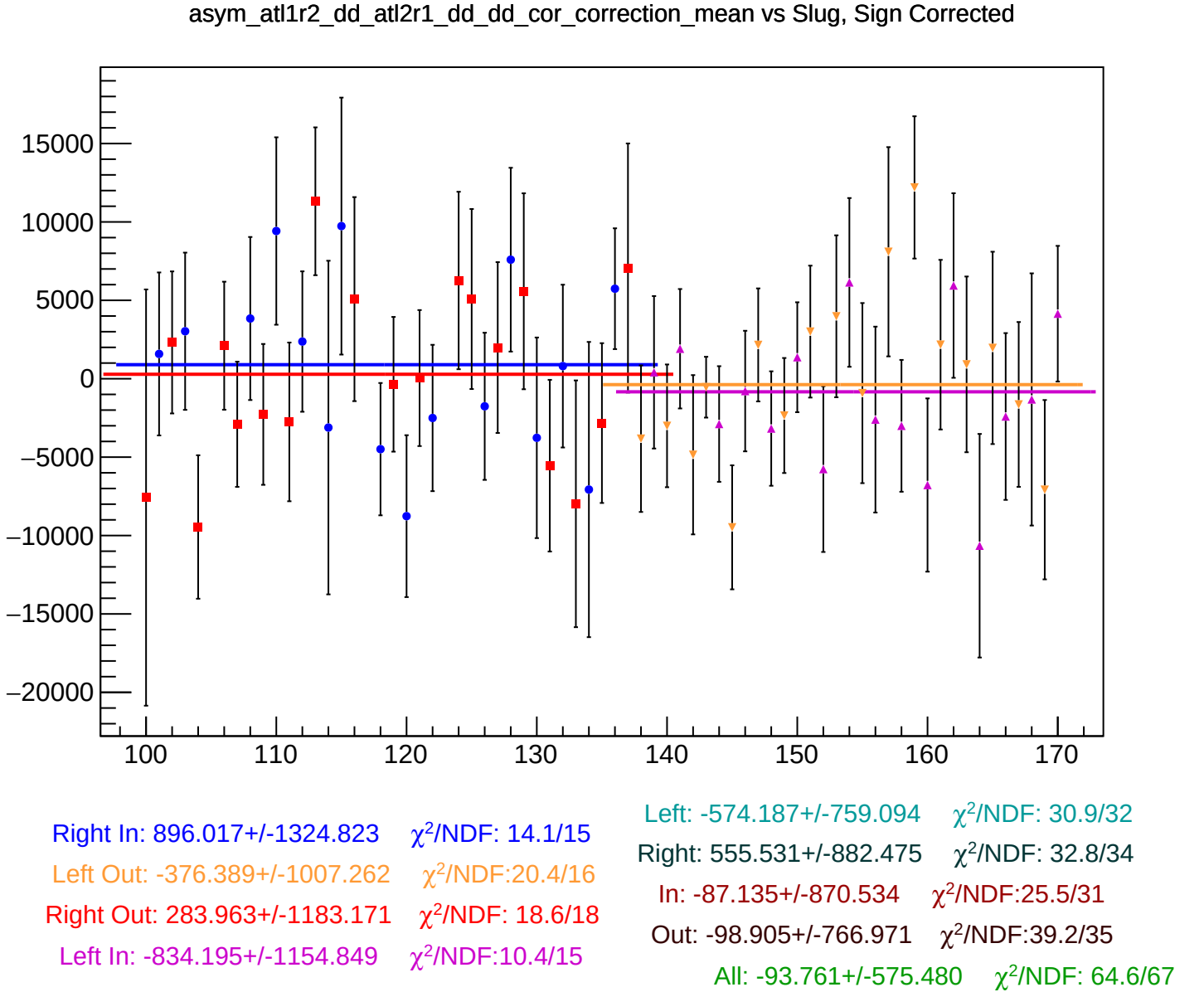
Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

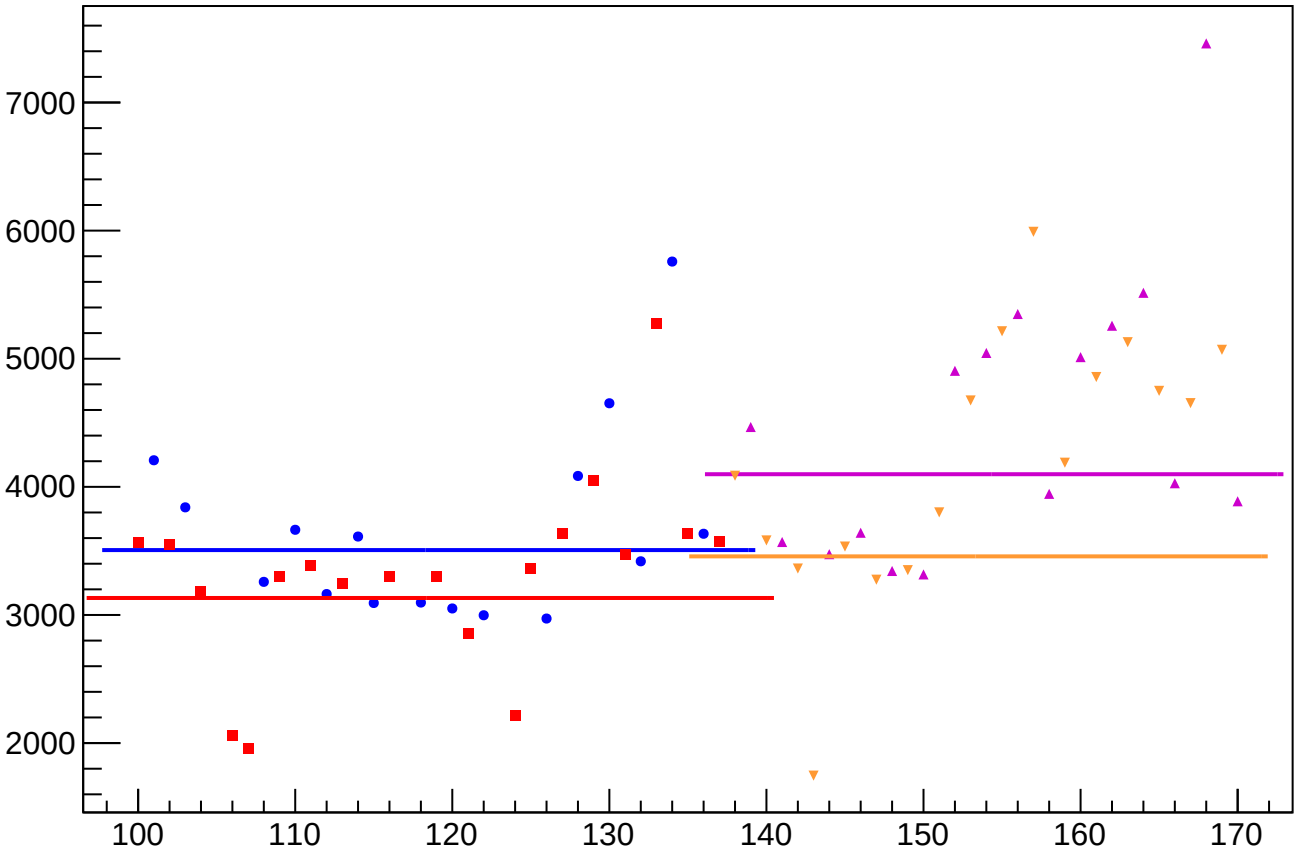
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -376.389+/-1007.262 χ²/NDF:20.4/16
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -834.195+/-1154.849 χ²/NDF:10.4/15
Left: -574.187+/-759.094 χ²/NDF: 30.9/32
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -87.135+/-870.534 χ²/NDF:25.5/31
Out: -98.905+/-766.971 χ²/NDF:39.2/35
All: -93.761+/-575.480 χ²/NDF: 64.6/67



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

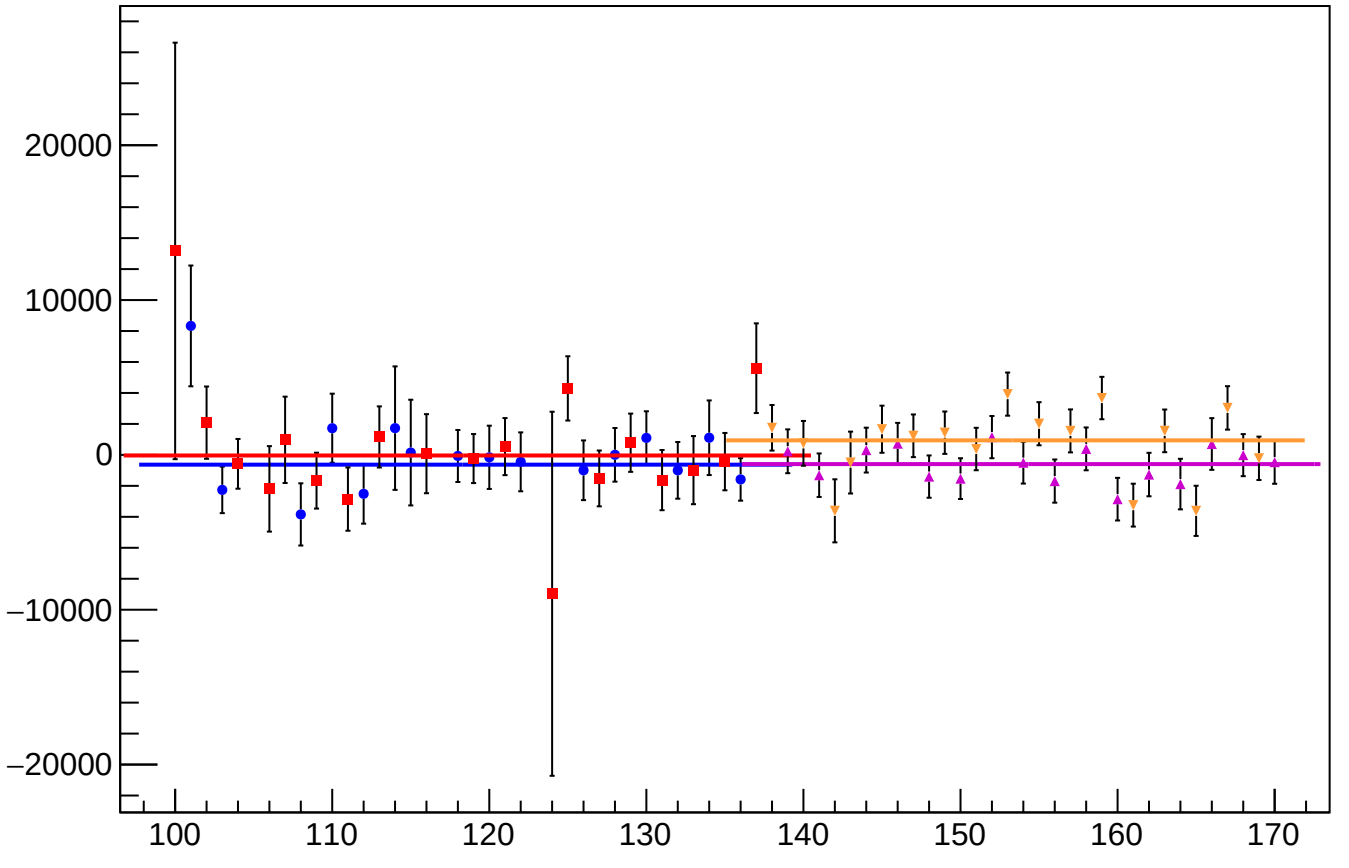
Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 939.089+/-353.814 χ^2/NDF:35.9/16

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.460+/-351.364 χ^2/NDF:9.9/15

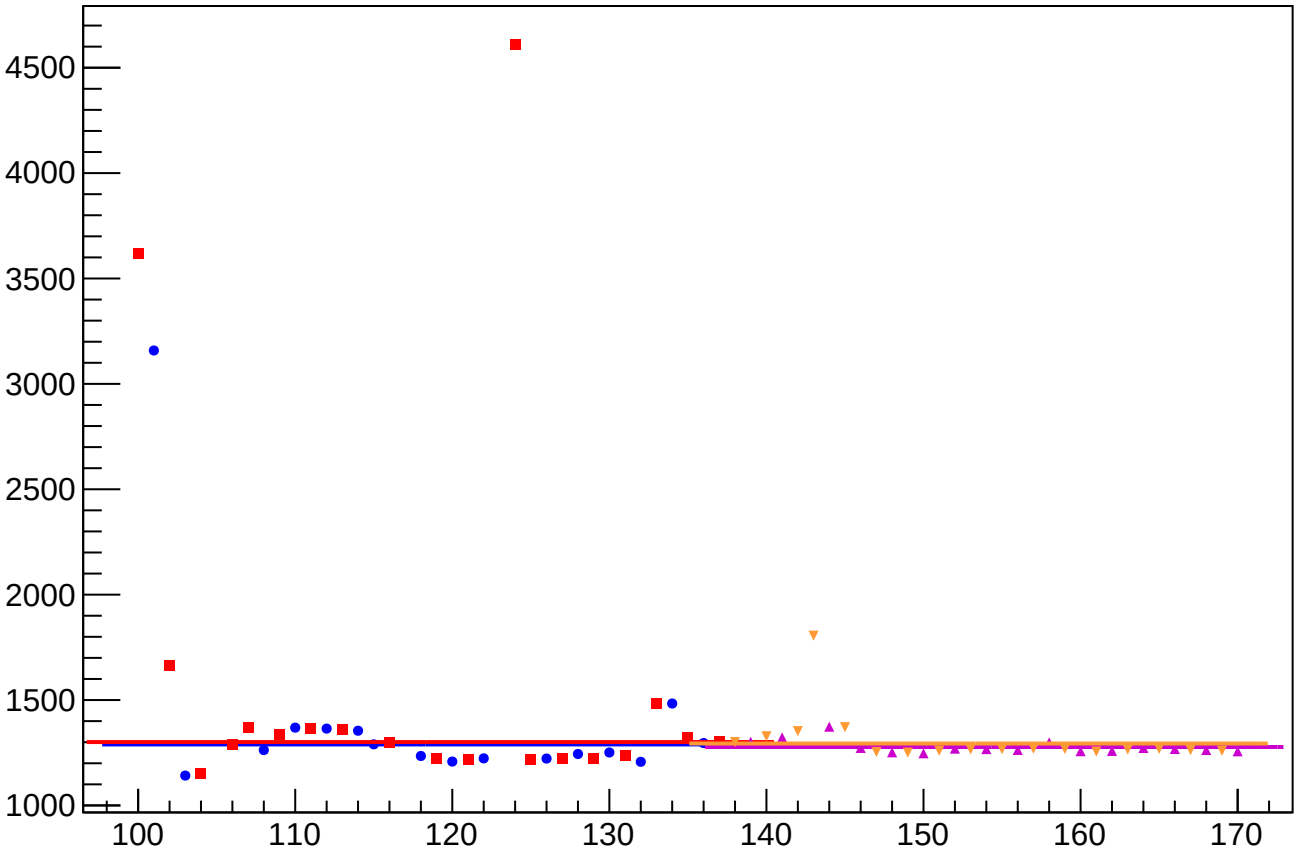
Left: 166.987+/-249.314 χ^2/NDF: 55.3/32

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 602.296+/-286.465 χ^2/NDF:54.9/35

All: -4.898+/-202.139 χ^2/NDF: 87.6/67



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1293.789+/-0.250 χ^2/NDF:151885.4/16

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1285.457+/-0.176 χ^2/NDF: 169750.9/32

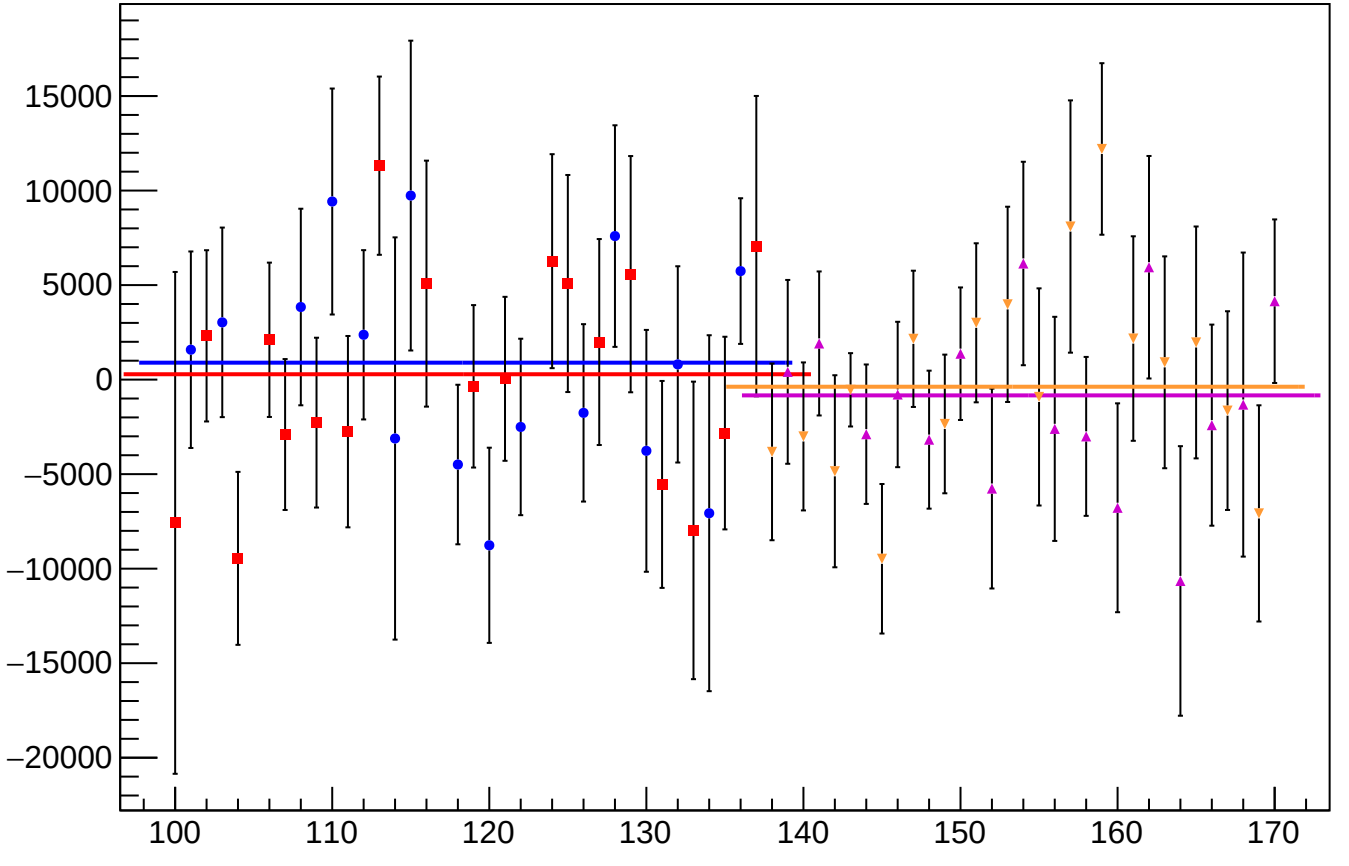
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1296.170+/-0.202 χ^2/NDF:478055.3/35

All: 1288.762+/-0.143 χ^2/NDF: 1011888.4/67

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -376.389+/-1007.262 χ^2/NDF:20.4/16

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -834.195+/-1154.849 χ^2/NDF:10.4/15

Left: -574.187+/-759.094 χ^2/NDF: 30.9/32

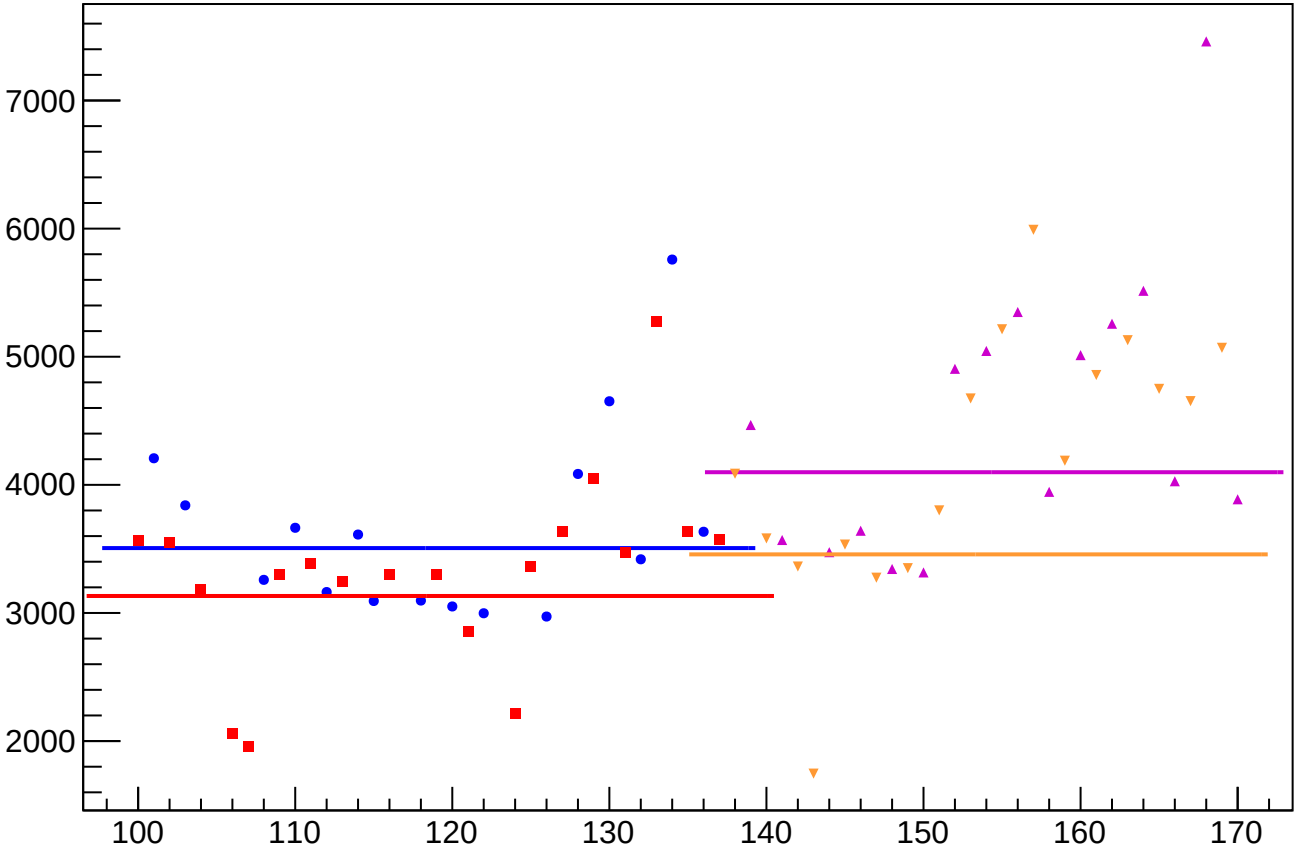
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -98.905+/-766.971 χ^2/NDF:39.2/35

All: -93.761+/-575.480 χ^2/NDF: 64.6/67

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: 3457.343+/-0.712 χ^2/NDF:2918548.6/16

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

Left: 3734.416+/-0.537 χ^2/NDF: 4355827.0/32

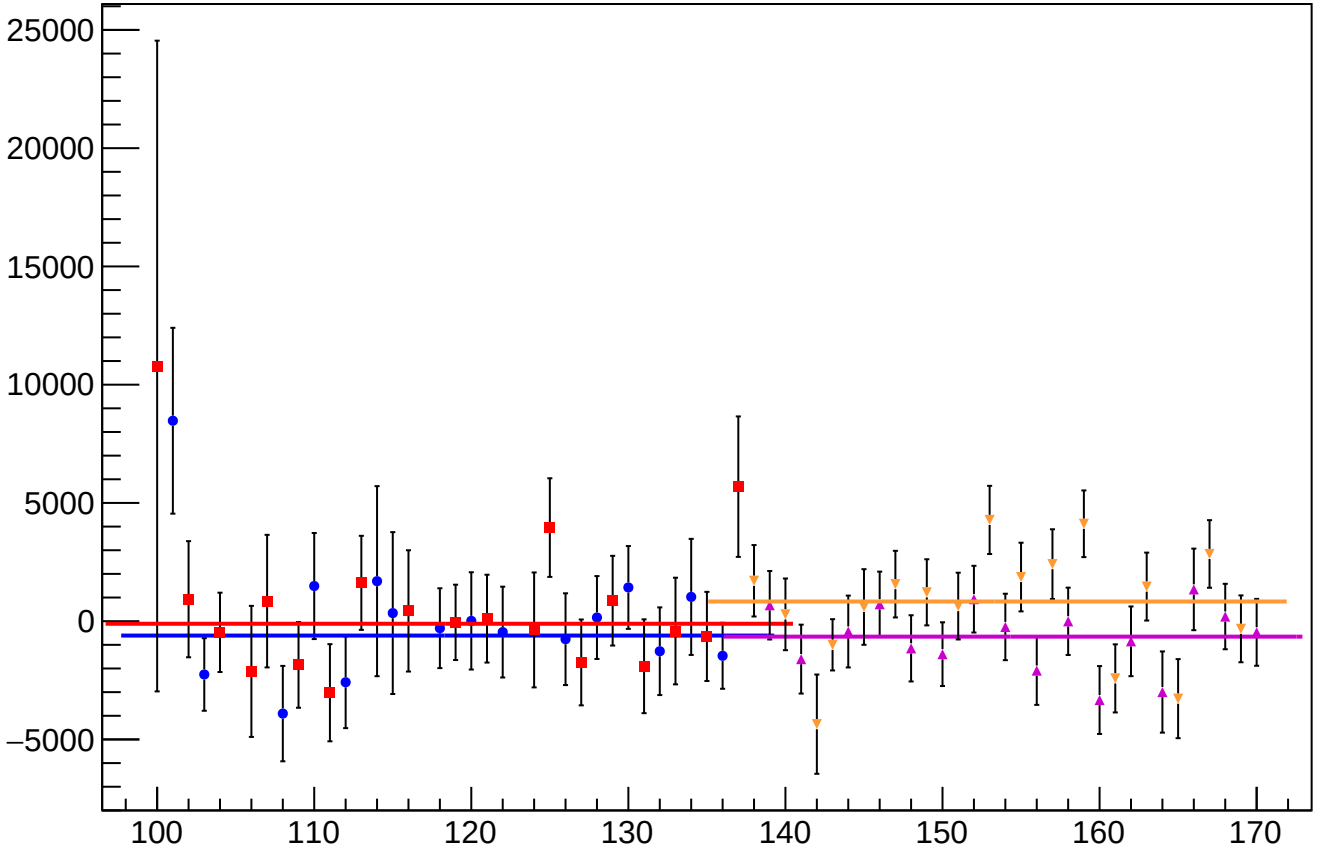
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3320.878+/-0.542 χ^2/NDF:3655522.0/35

All: 3549.031+/-0.407 χ^2/NDF: 5727793.9/67

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.149+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -653.590+/-362.908 χ^2/NDF:12.3/15

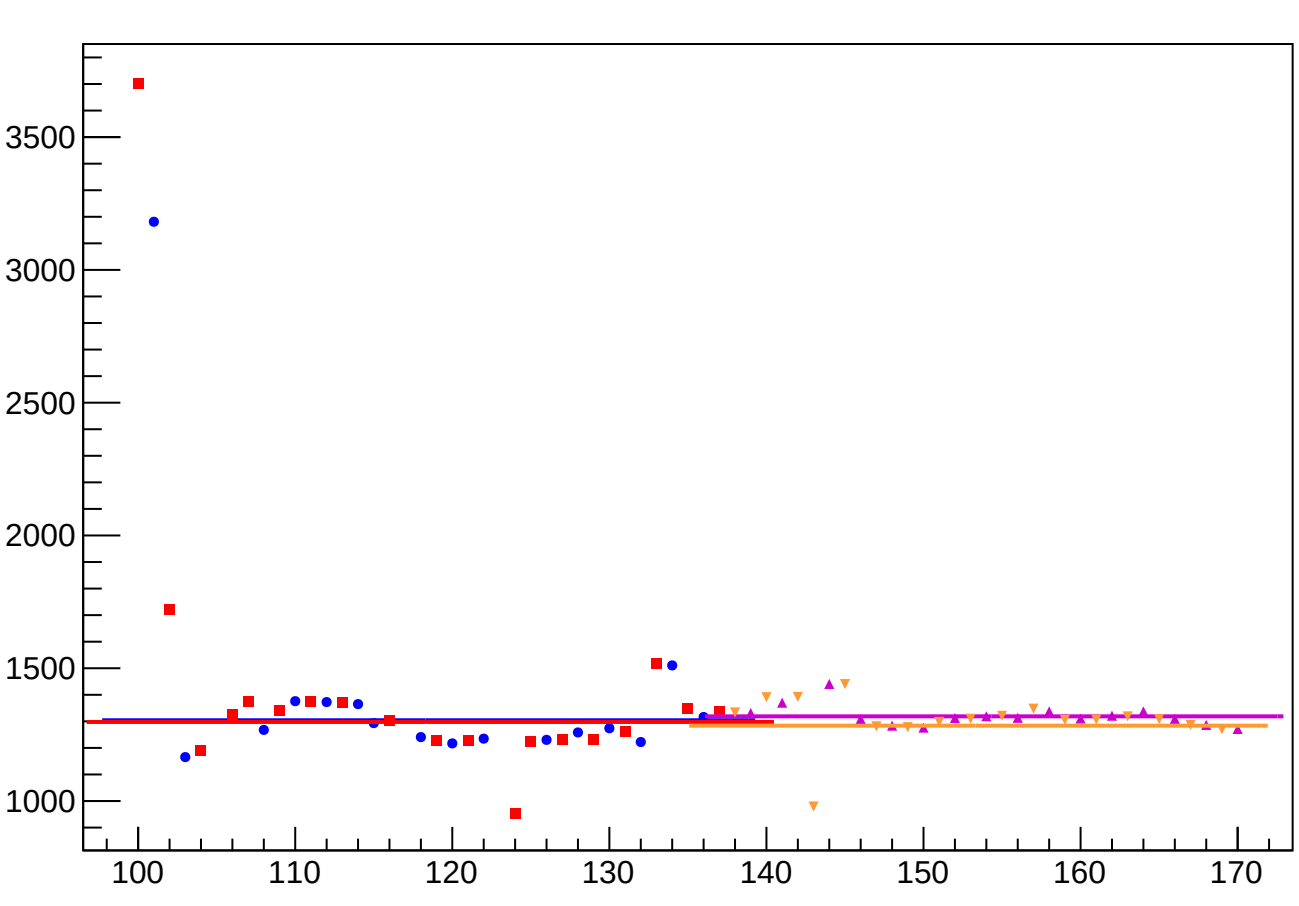
Left: 113.109+/-252.465 χ^2/NDF: 57.6/32

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 508.725+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.747+/-0.249 χ^2/NDF:203238.3/16

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

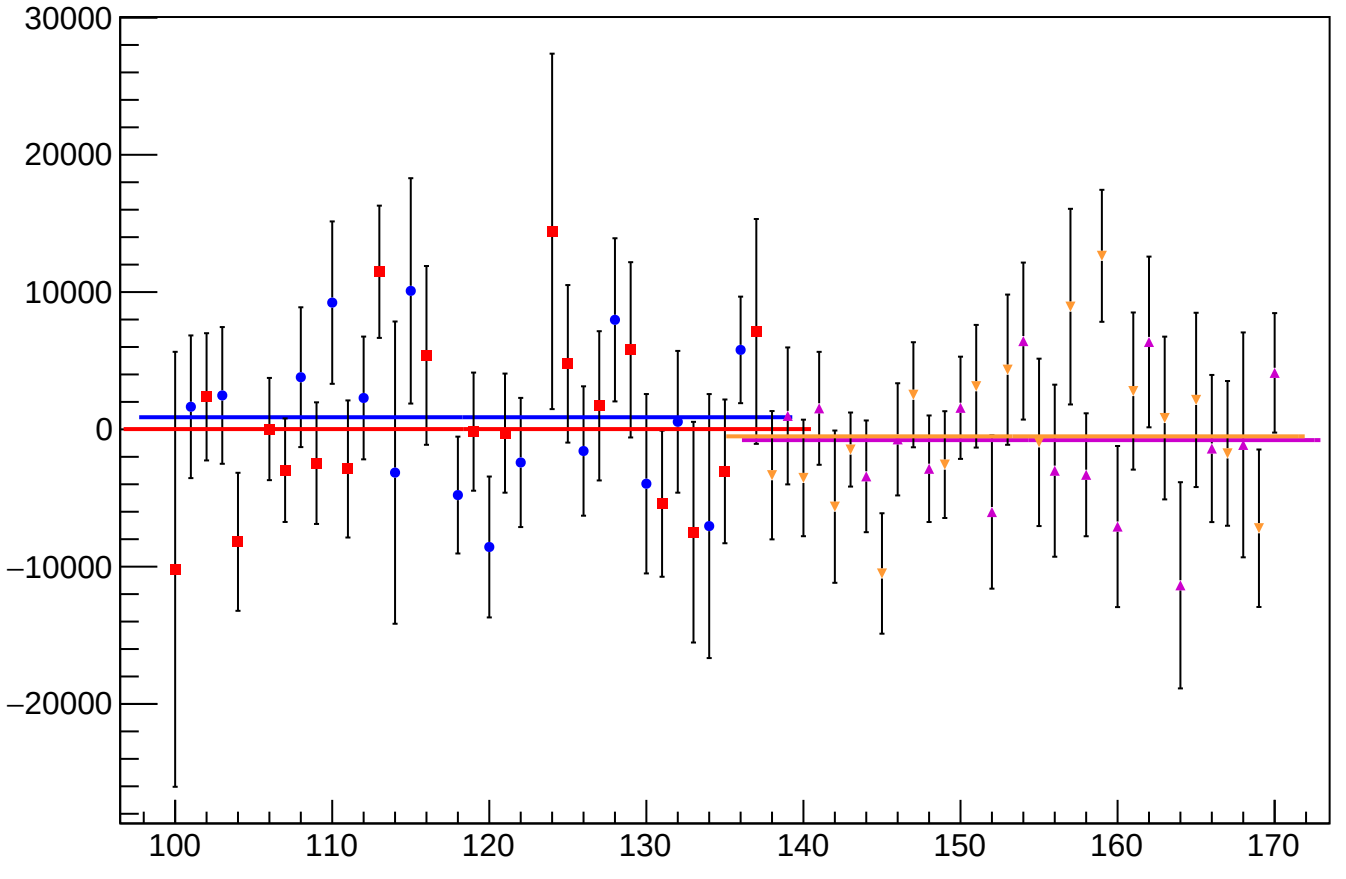
Left: 1300.763+/-0.179 χ^2/NDF: 235957.0/32

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1288.581+/-0.201 χ^2/NDF:417435.1/35

All: 1300.807+/-0.144 χ^2/NDF: 959809.3/67



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -508.088+/-1131.417 χ^2/NDF:20.6/16

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -782.966+/-1220.471 χ^2/NDF:10.2/15

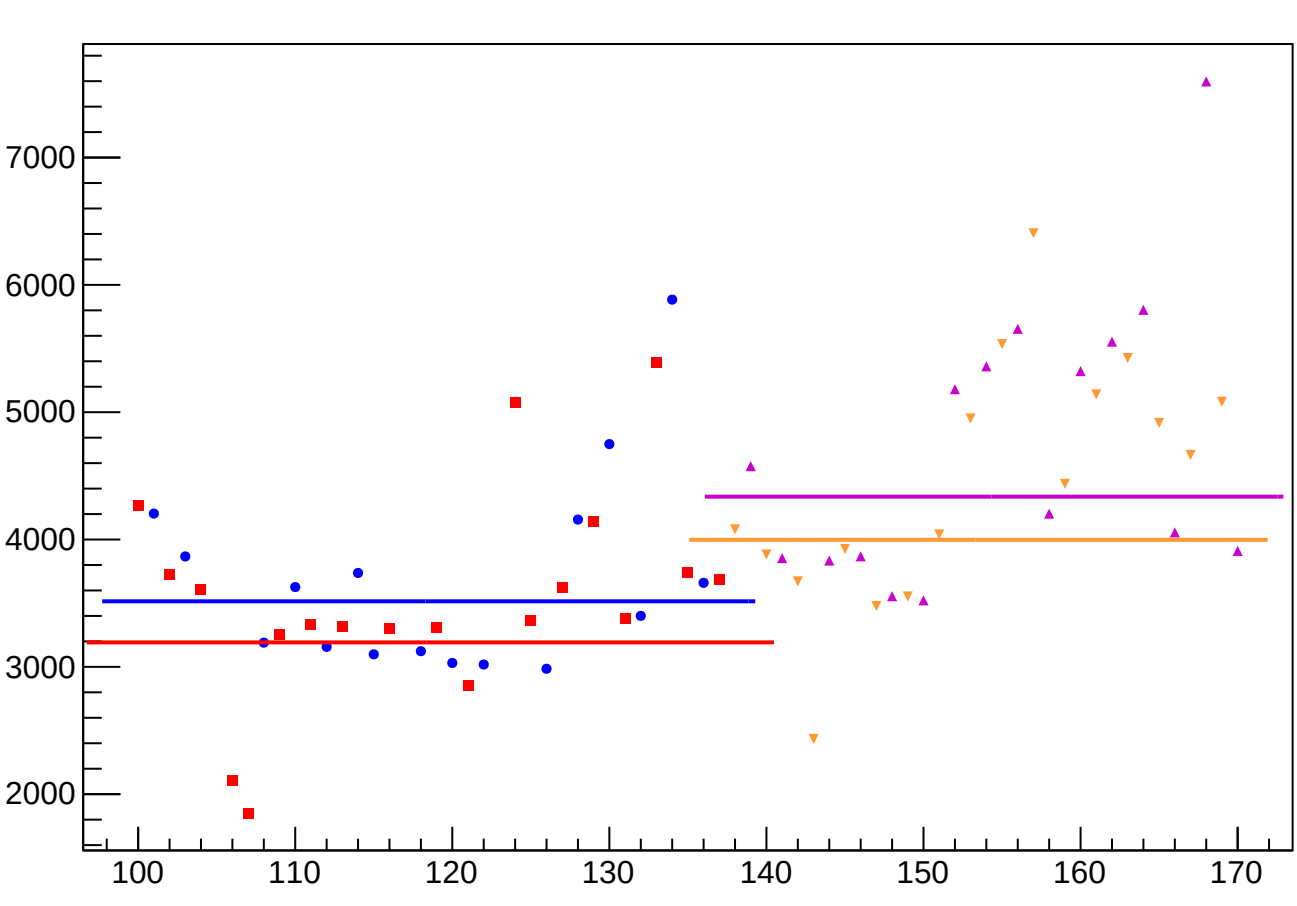
Left: -635.134+/-829.731 χ^2/NDF: 30.9/32

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -19.292+/-898.431 χ^2/NDF:25.2/31

Out: -259.248+/-823.216 χ^2/NDF:37.6/35

All: -149.733+/-606.953 χ^2/NDF: 62.8/67



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3997.981+/-0.800 χ^2/NDF:1518888.0/16

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

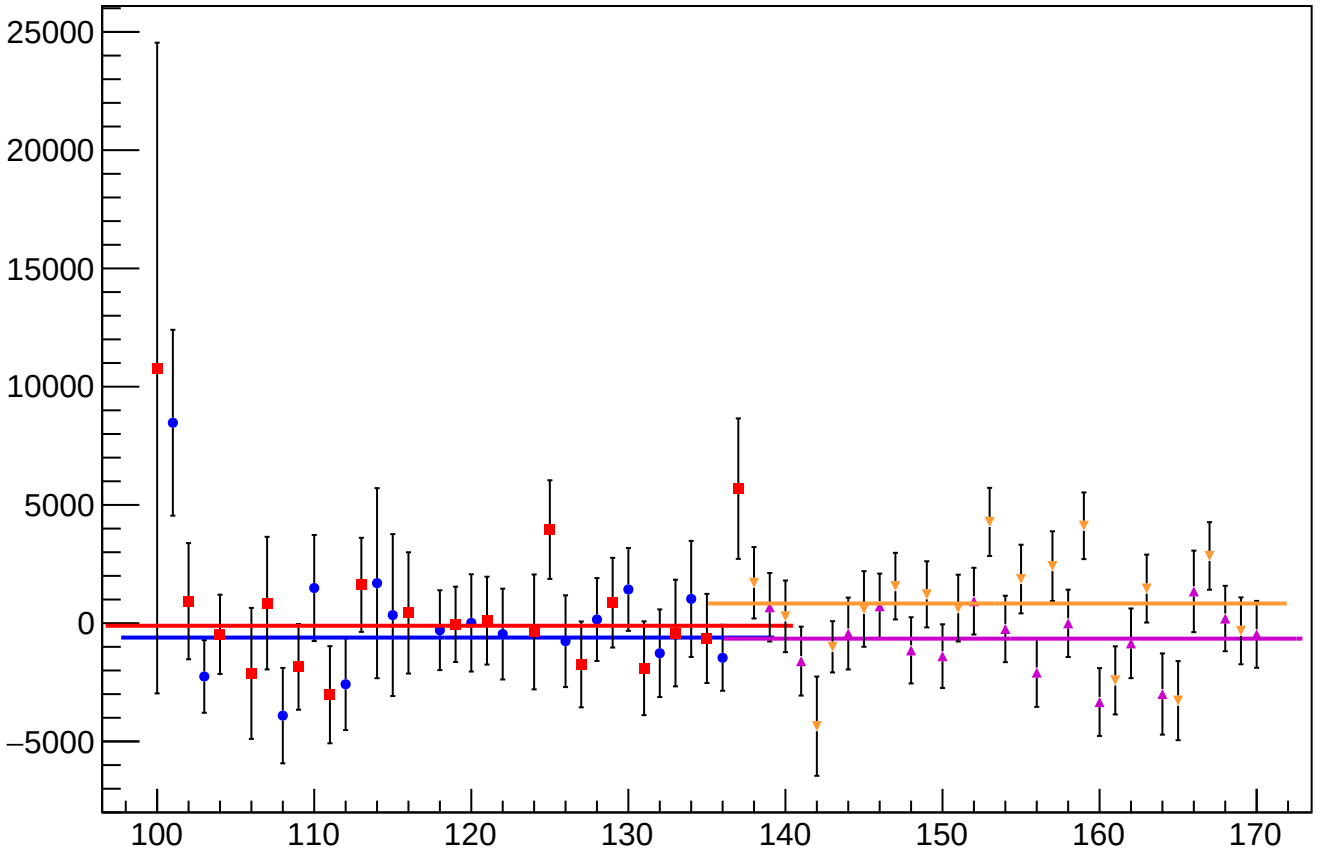
Left: 4154.528+/-0.587 χ^2/NDF: 2618894.1/32

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3960.152+/-0.635 χ^2/NDF:1807793.2/31

Out: 3618.780+/-0.582 χ^2/NDF:2768768.6/35

All: 3774.580+/-0.429 χ^2/NDF: 4733525.4/67



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 832.154+/-351.448 χ^2/NDF:36.6/16

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -653.591+/-362.908 χ^2/NDF:12.3/15

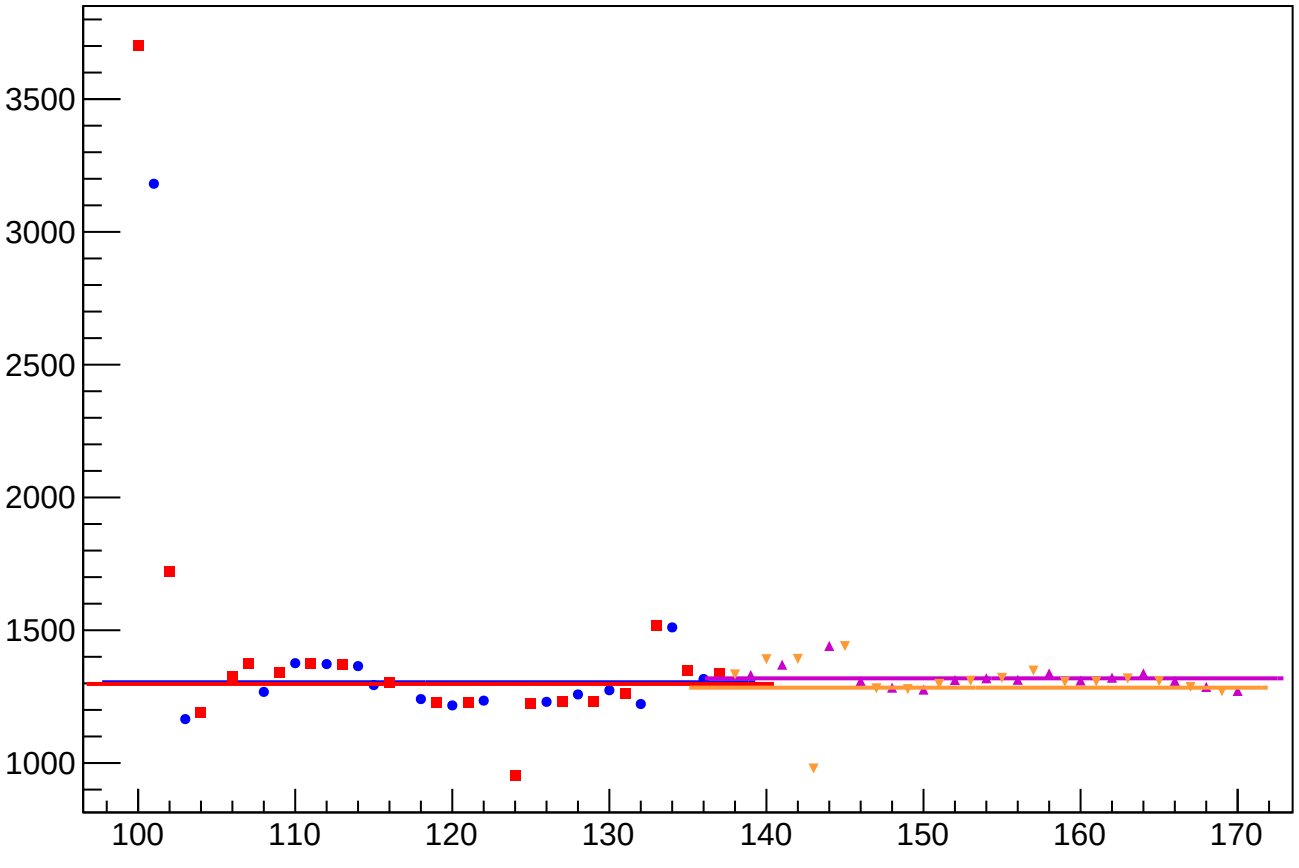
Left: 113.111+/-252.466 χ^2/NDF: 57.6/32

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 508.726+/-284.697 χ^2/NDF:53.9/35

All: -48.908+/-204.016 χ^2/NDF: 88.3/67



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.748+/-0.249 χ^2/NDF:203239.1/16

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1318.908+/-0.257 χ^2/NDF:23031.2/15

Left: 1300.764+/-0.179 χ^2/NDF: 235958.0/32

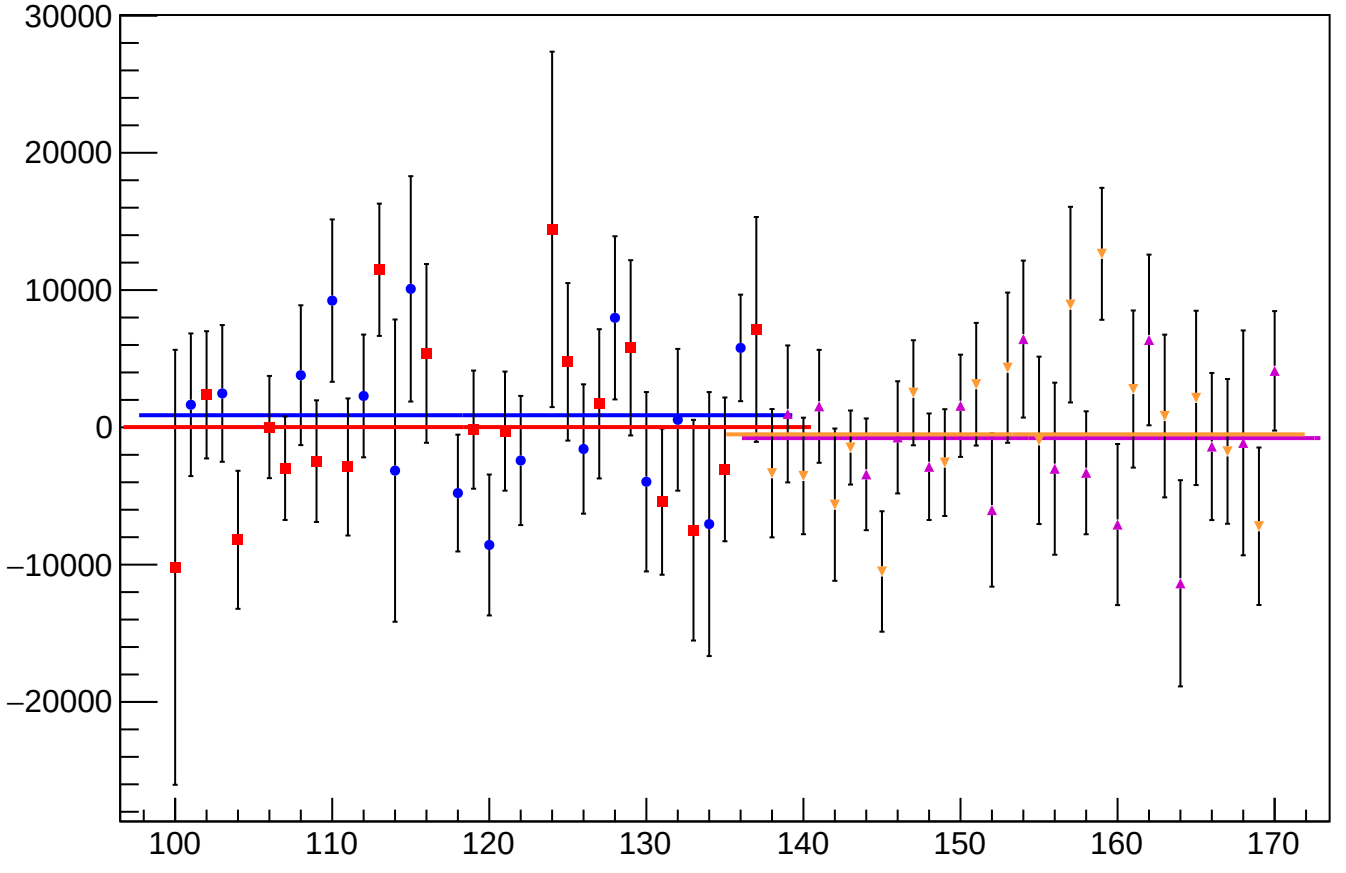
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1313.721+/-0.207 χ^2/NDF:534787.1/31

Out: 1288.582+/-0.201 χ^2/NDF:417435.7/35

All: 1300.808+/-0.144 χ^2/NDF: 959810.5/67

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -508.085+/-1131.418 χ^2/NDF:20.6/16

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -782.965+/-1220.473 χ^2/NDF:10.2/15

Left: -635.132+/-829.732 χ^2/NDF: 30.9/32

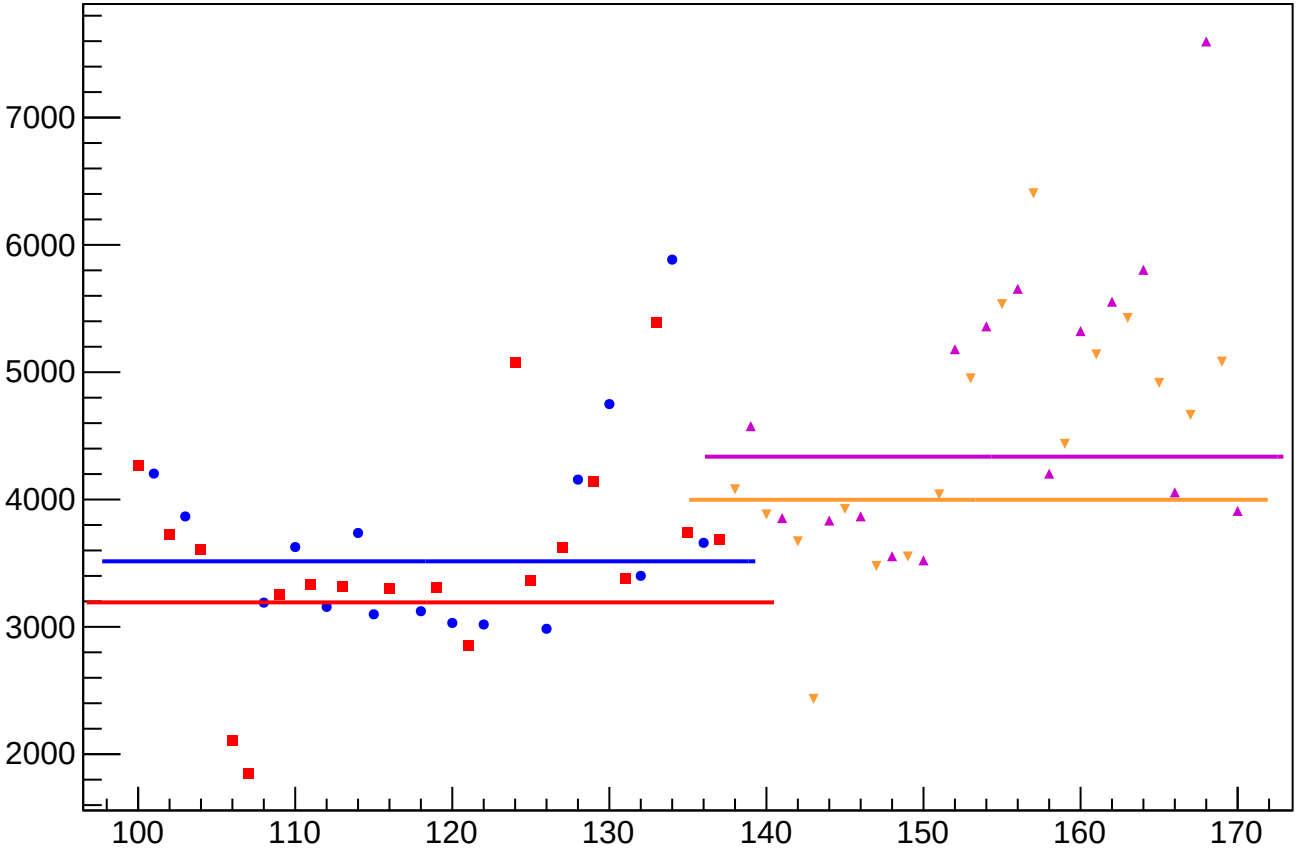
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -19.293+/-898.430 χ^2/NDF:25.2/31

Out: -259.247+/-823.215 χ^2/NDF:37.6/35

All: -149.733+/-606.953 χ^2/NDF: 62.8/67

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: 3997.986+/-0.800 χ^2/NDF:1518889.2/16

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

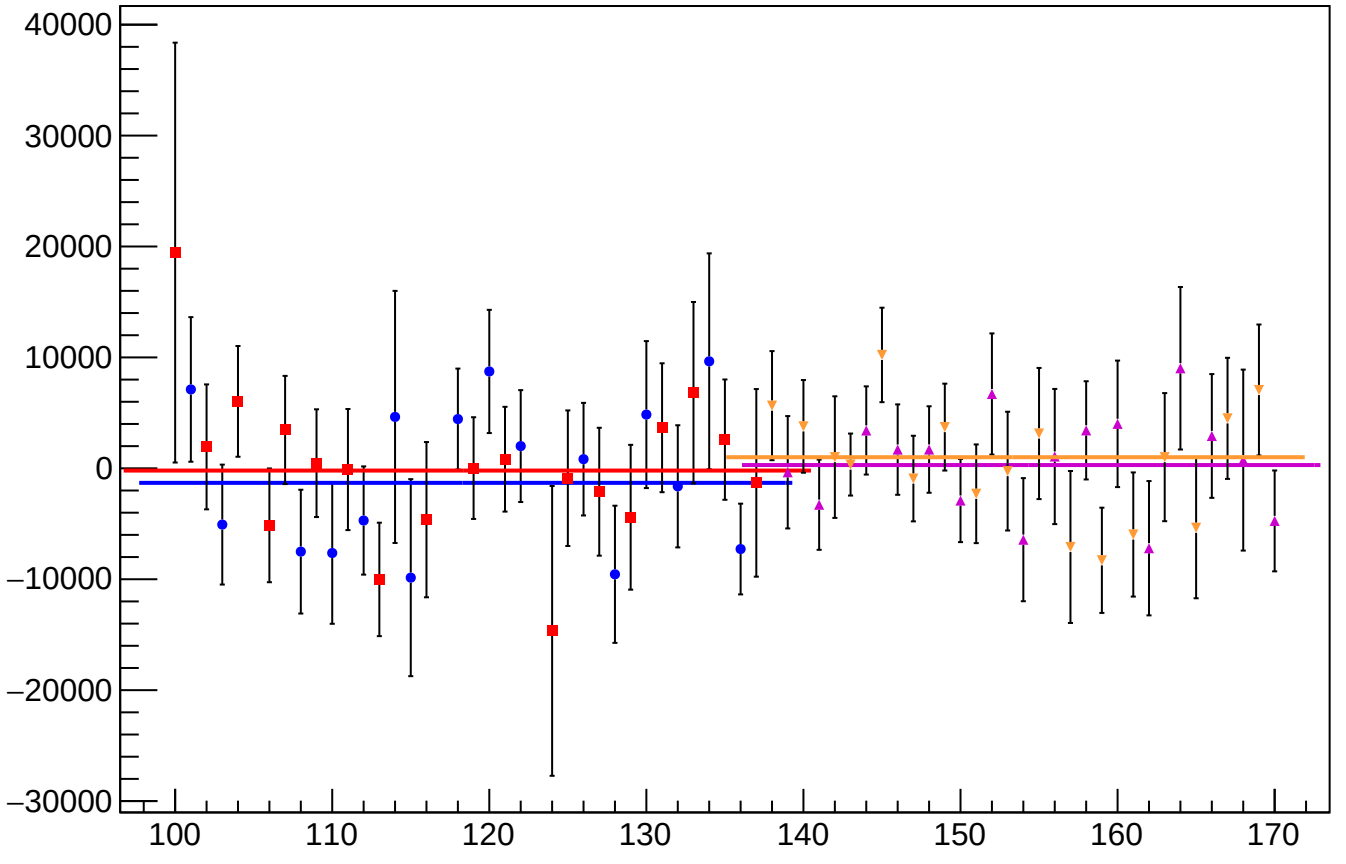
Left: 4154.534+/-0.587 χ^2/NDF: 2618897.4/32

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3618.778+/-0.582 χ^2/NDF:2768788.6/35

All: 3774.578+/-0.429 χ^2/NDF: 4733567.2/67



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1002.840+/-1135.187 χ^2/NDF:16.8/16

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 295.262+/-1216.245 χ^2/NDF:10.6/15

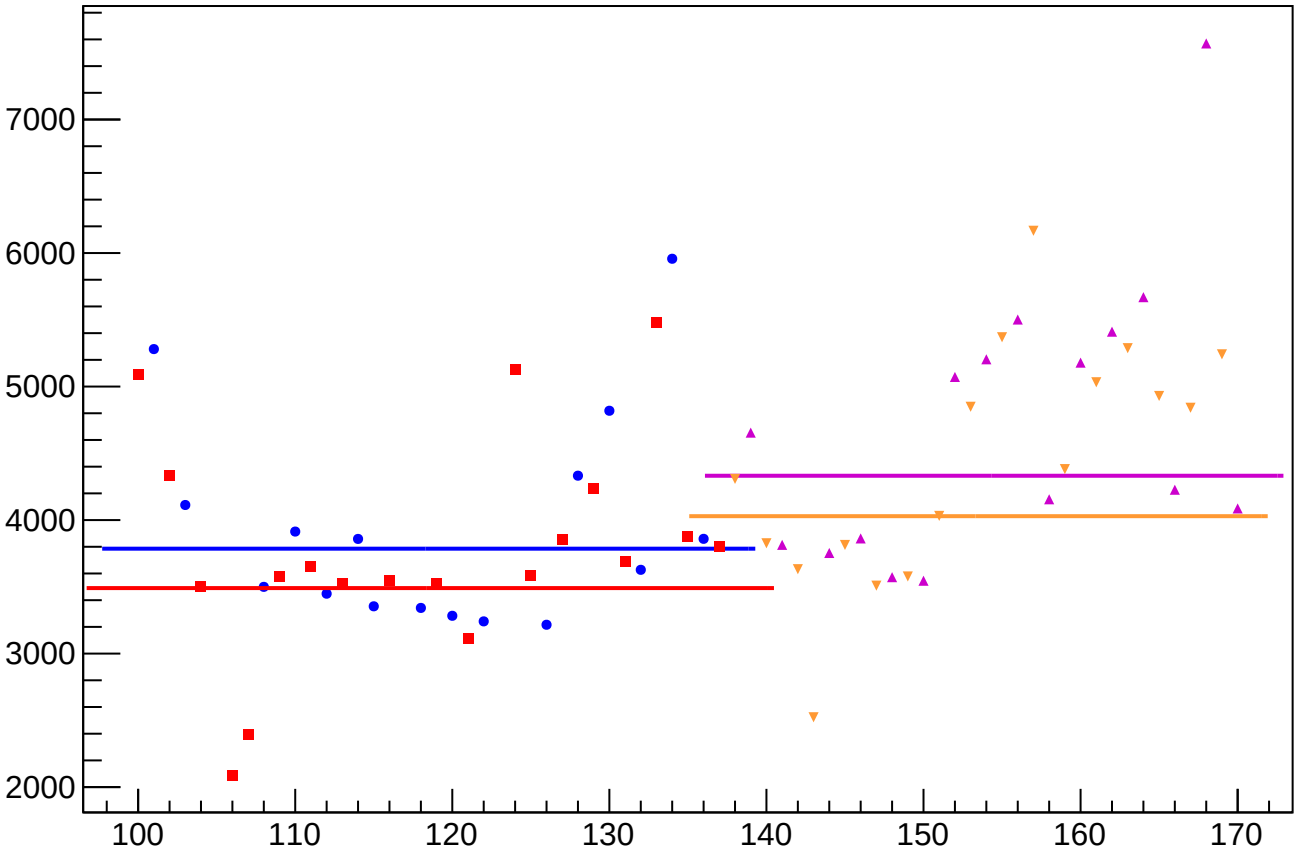
Left: 673.414+/-829.876 χ^2/NDF: 27.5/32

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 497.883+/-865.092 χ^2/NDF:28.9/35

All: 90.407+/-632.438 χ^2/NDF: 58.3/67



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4029.140+/-0.803 χ^2/NDF:1353686.2/16

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

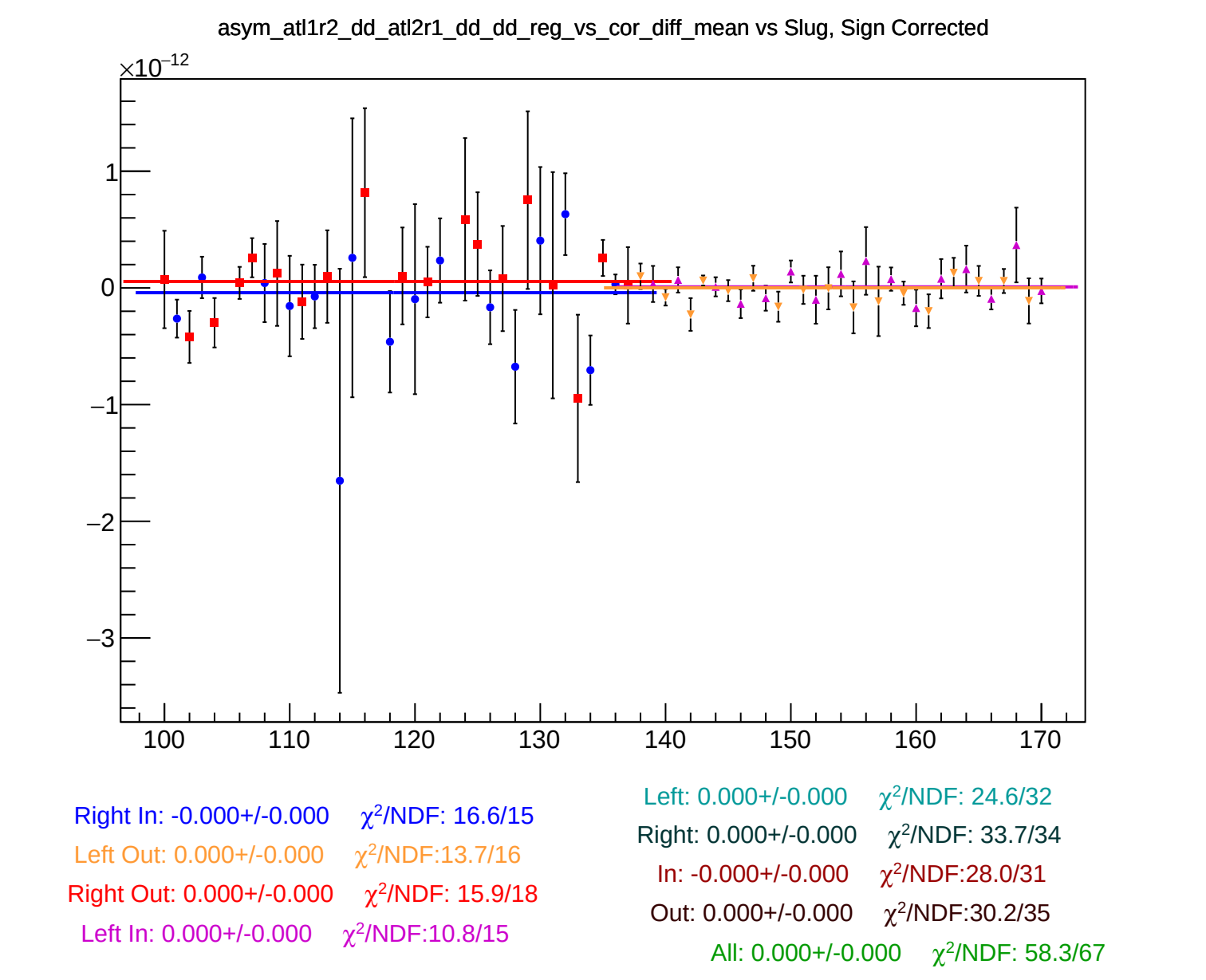
Left: 4170.142+/-0.587 χ^2/NDF: 2352223.3/32

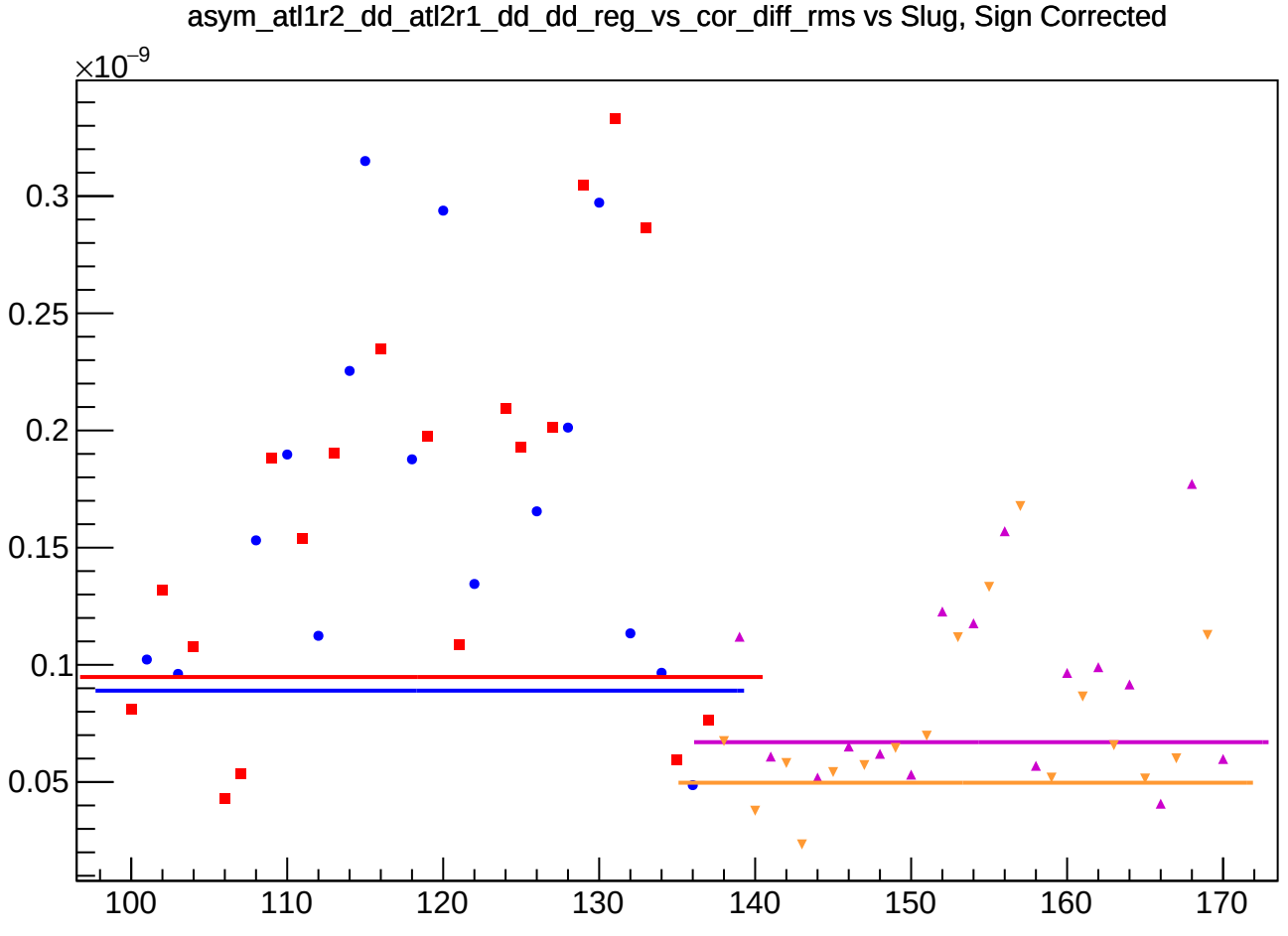
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3799.756+/-0.608 χ^2/NDF:2132120.1/35

All: 3940.066+/-0.446 χ^2/NDF: 3731518.9/67


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/16
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:10.8/15
Left: 0.000+/-0.000 χ²/NDF: 24.6/32
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:28.0/31
Out: 0.000+/-0.000 χ²/NDF:30.2/35
All: 0.000+/-0.000 χ²/NDF: 58.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2157329.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

Left: 0.000+/-0.000 χ^2/NDF: 3908793.4/32

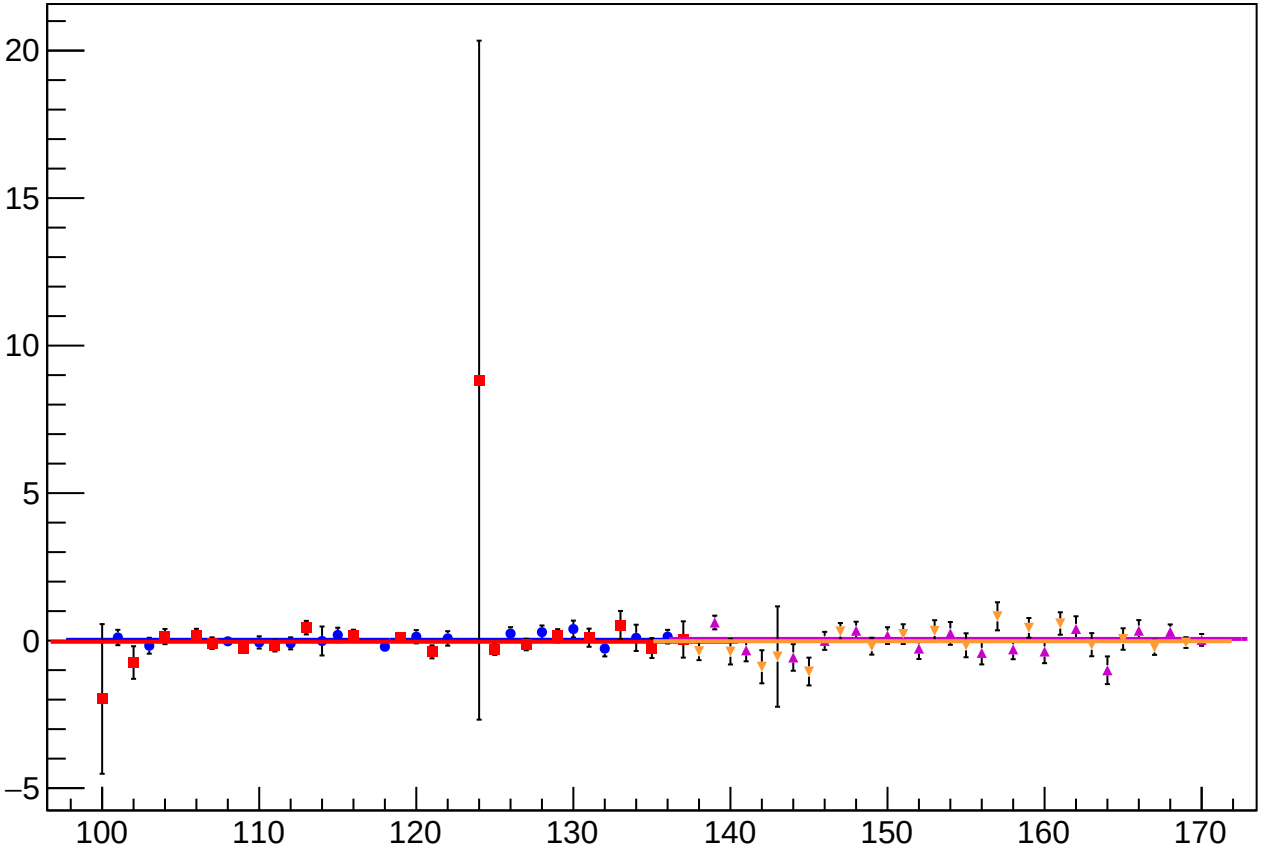
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052028.5/31

Out: 0.000+/-0.000 χ^2/NDF:4757392.1/35

All: 0.000+/-0.000 χ^2/NDF: 8218768.5/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

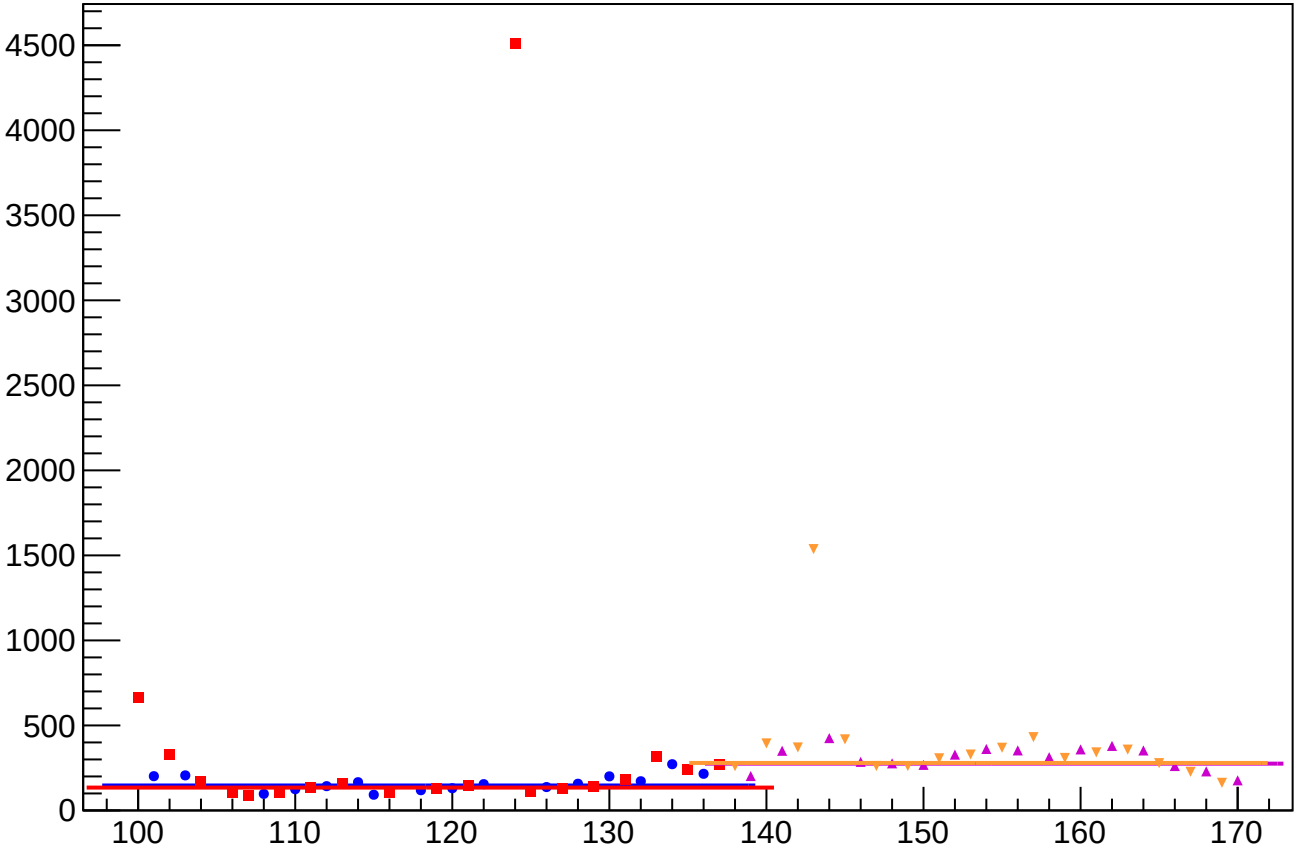
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

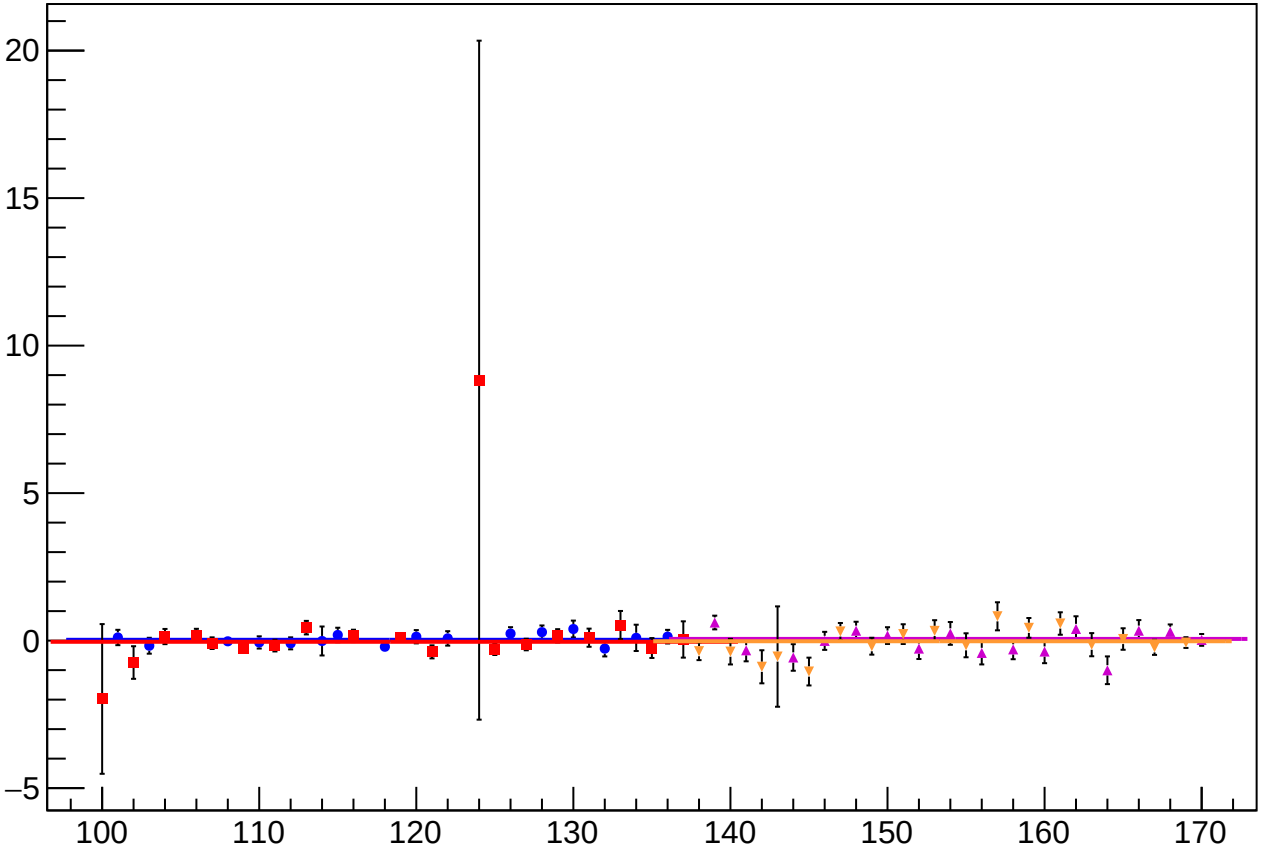
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

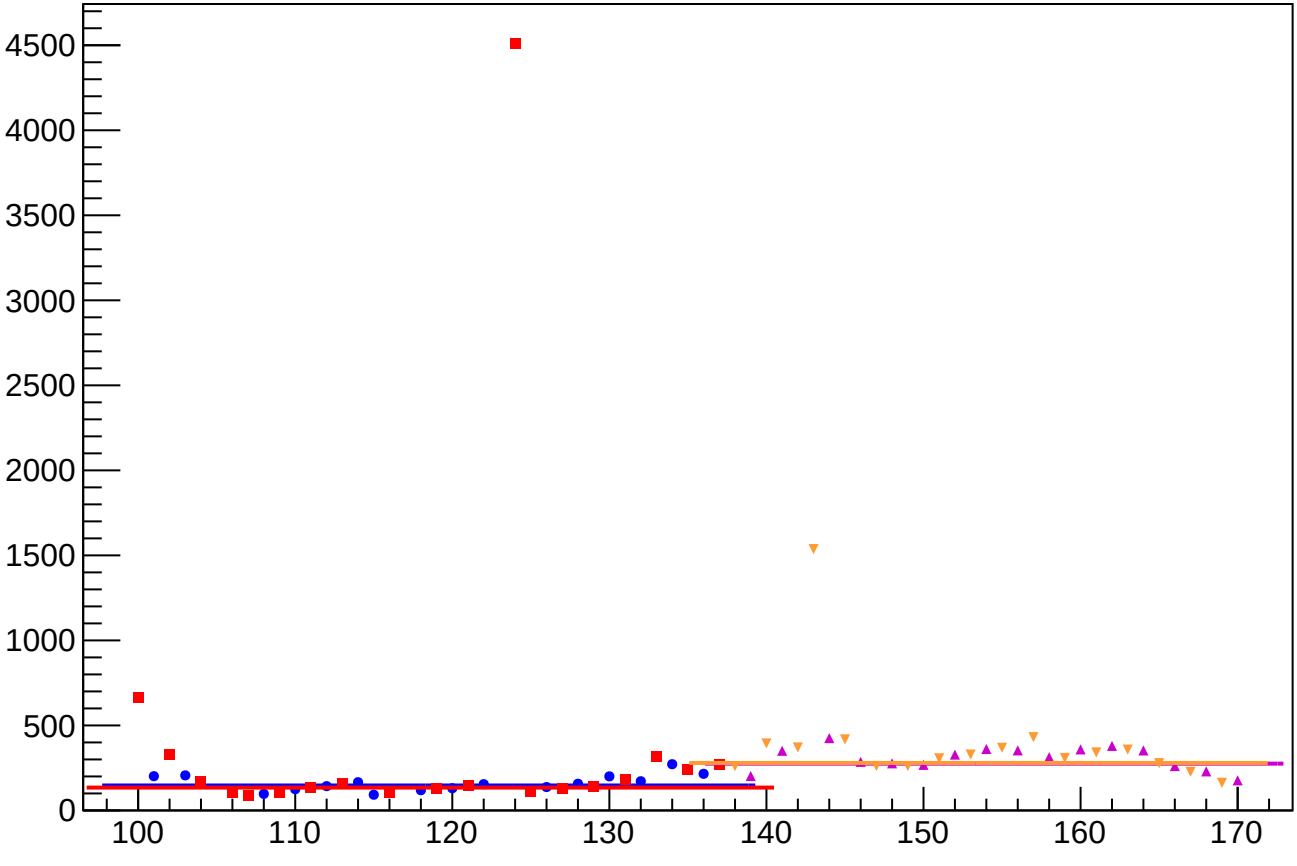
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.404+/-0.058 χ^2/NDF:2889224.6/16

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

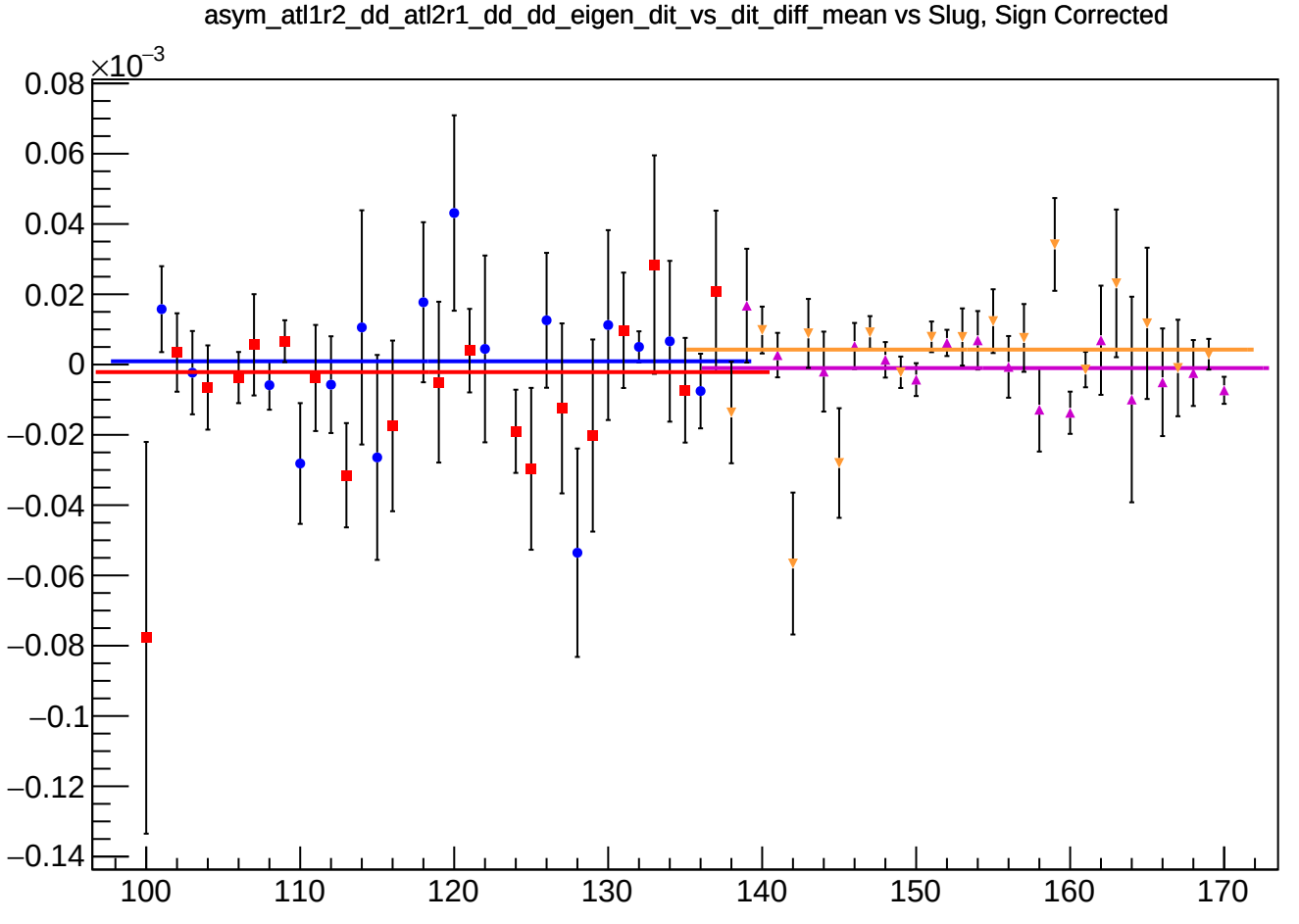
Left: 277.300+/-0.040 χ^2/NDF: 4459473.4/32

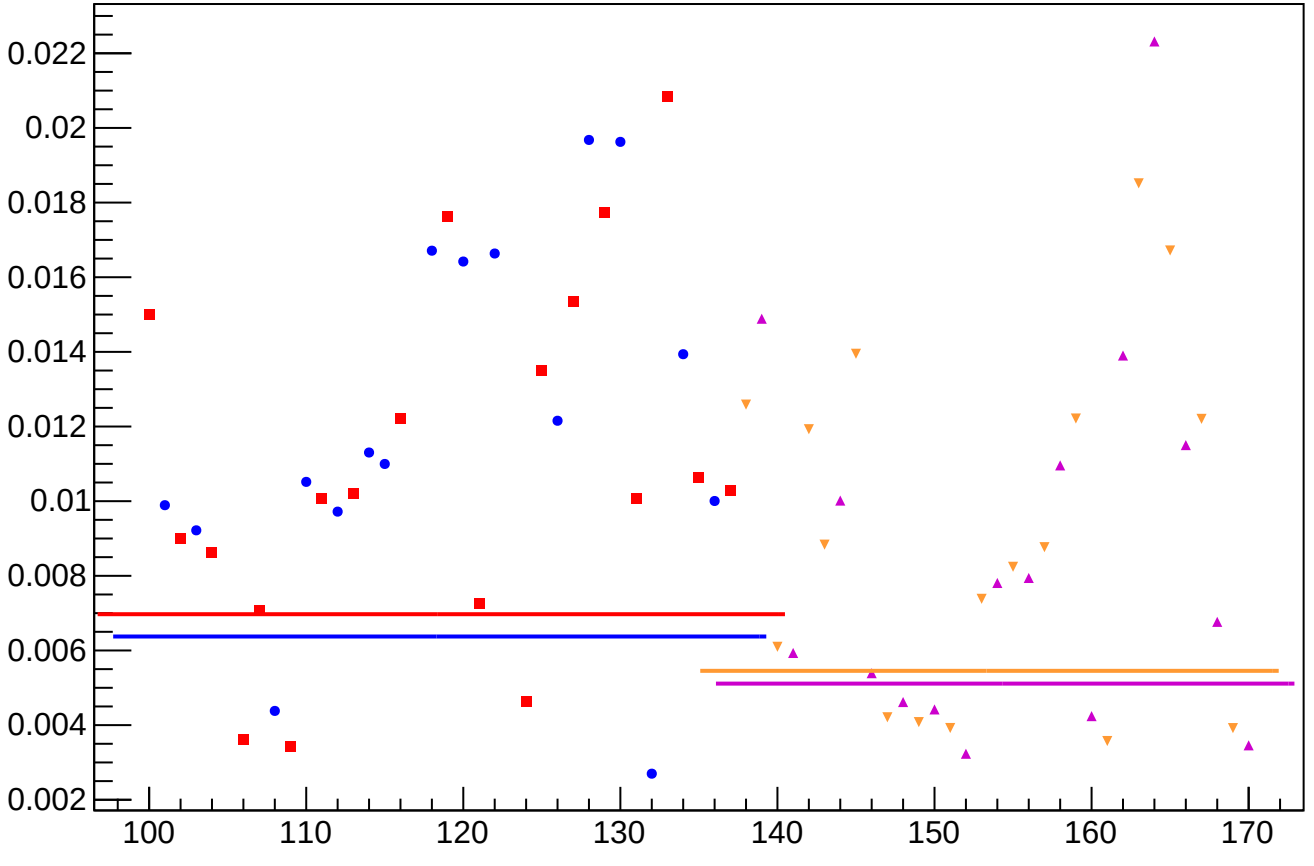
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 179.658+/-0.032 χ^2/NDF:8856368.8/35

All: 185.396+/-0.023 χ^2/NDF: 14930641.4/67


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.4/16
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:16.4/15
Left: 0.000+/-0.000 χ²/NDF: 49.7/32
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: -0.000+/-0.000 χ²/NDF:31.6/31
Out: 0.000+/-0.000 χ²/NDF:47.9/35
All: 0.000+/-0.000 χ²/NDF: 81.8/67



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5512404.9/16

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10314582.4/32

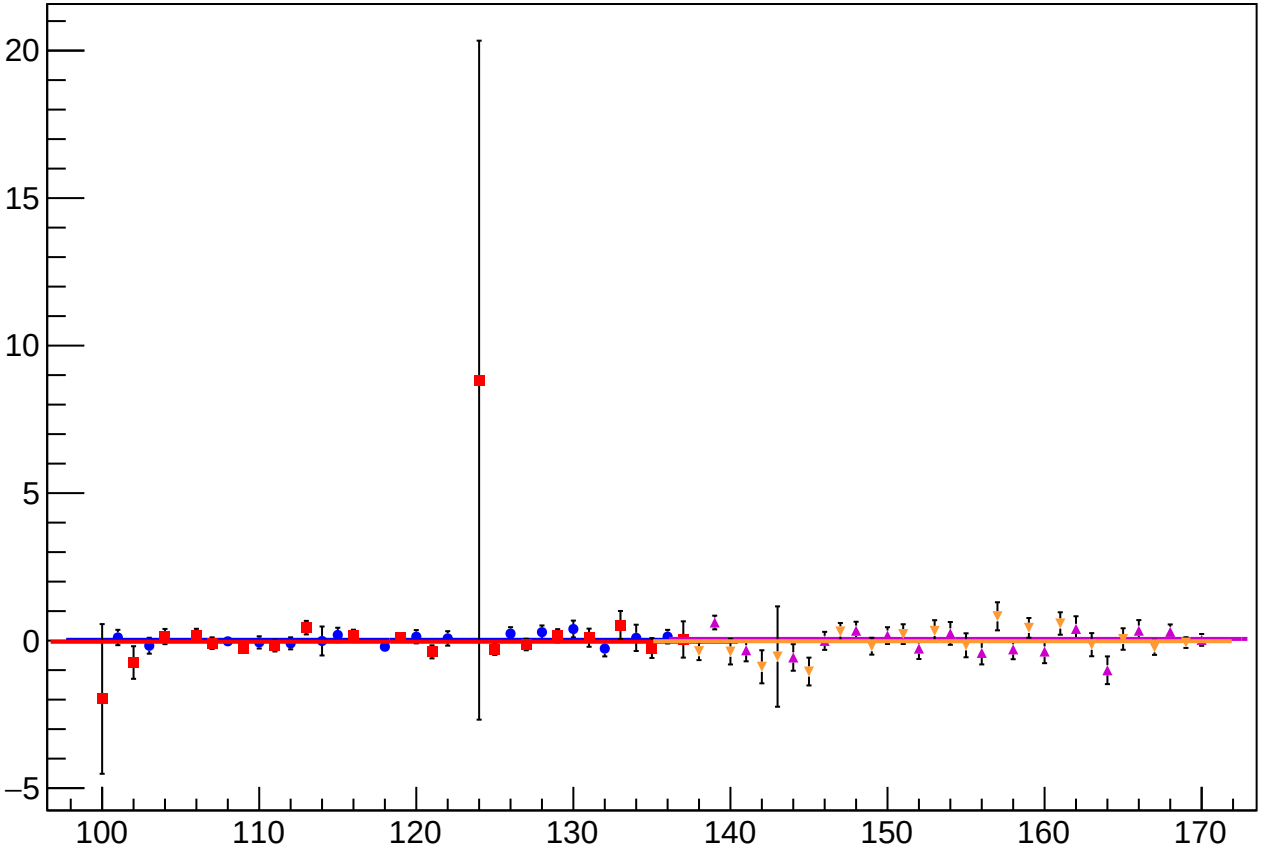
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304887.3/35

All: 0.006+/-0.000 χ^2/NDF: 19066016.3/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

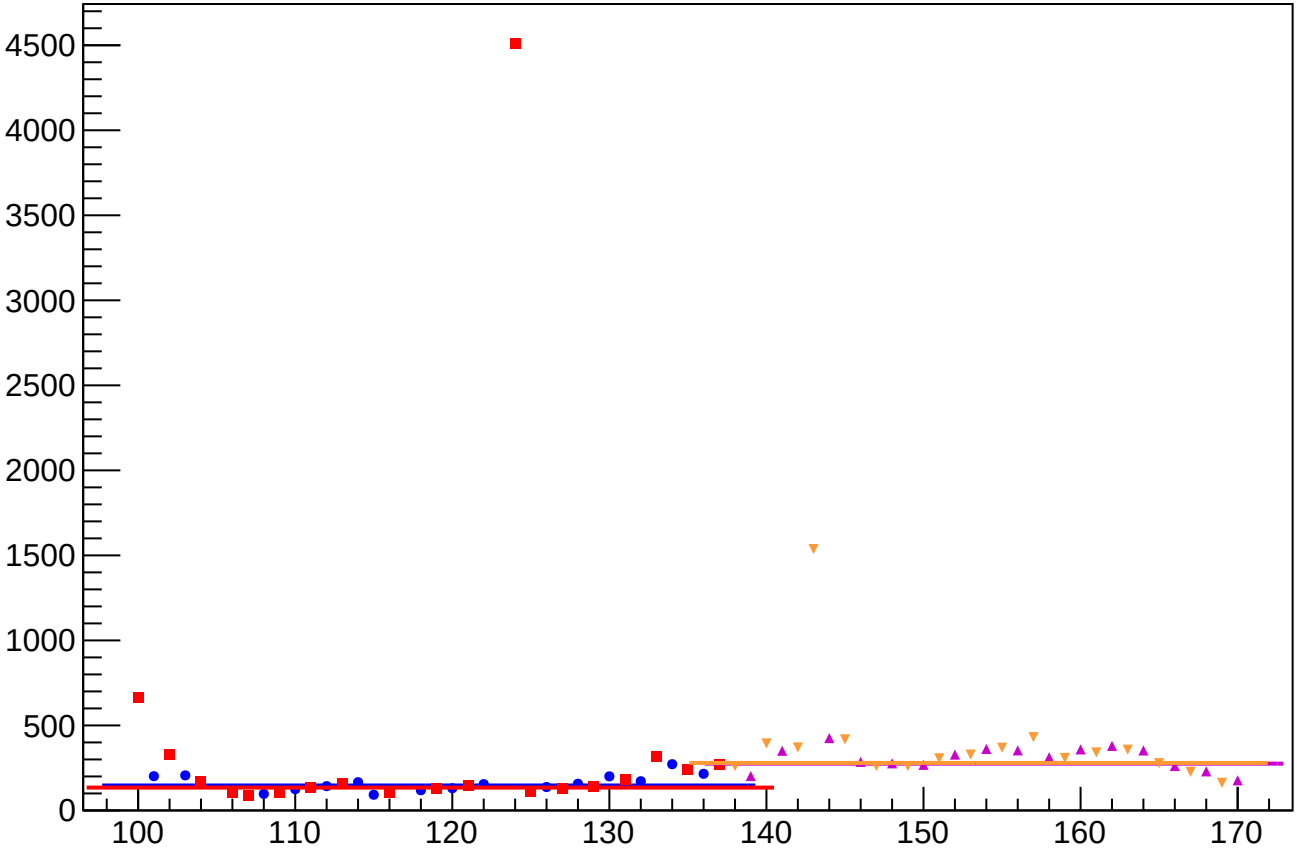
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

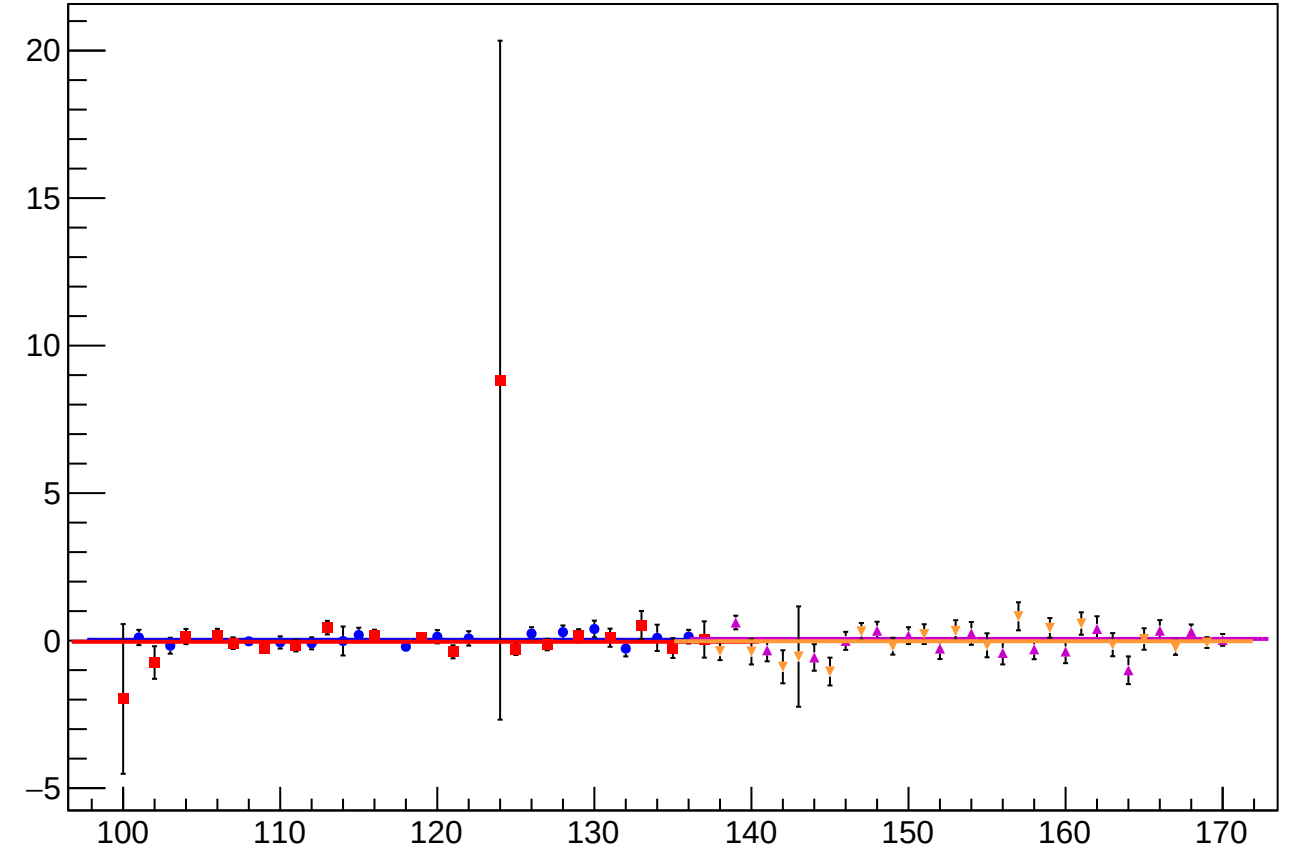
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67

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: -0.021+/-0.081 χ^2/NDF:20.7/16

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.020+/-0.057 χ^2/NDF: 43.1/32

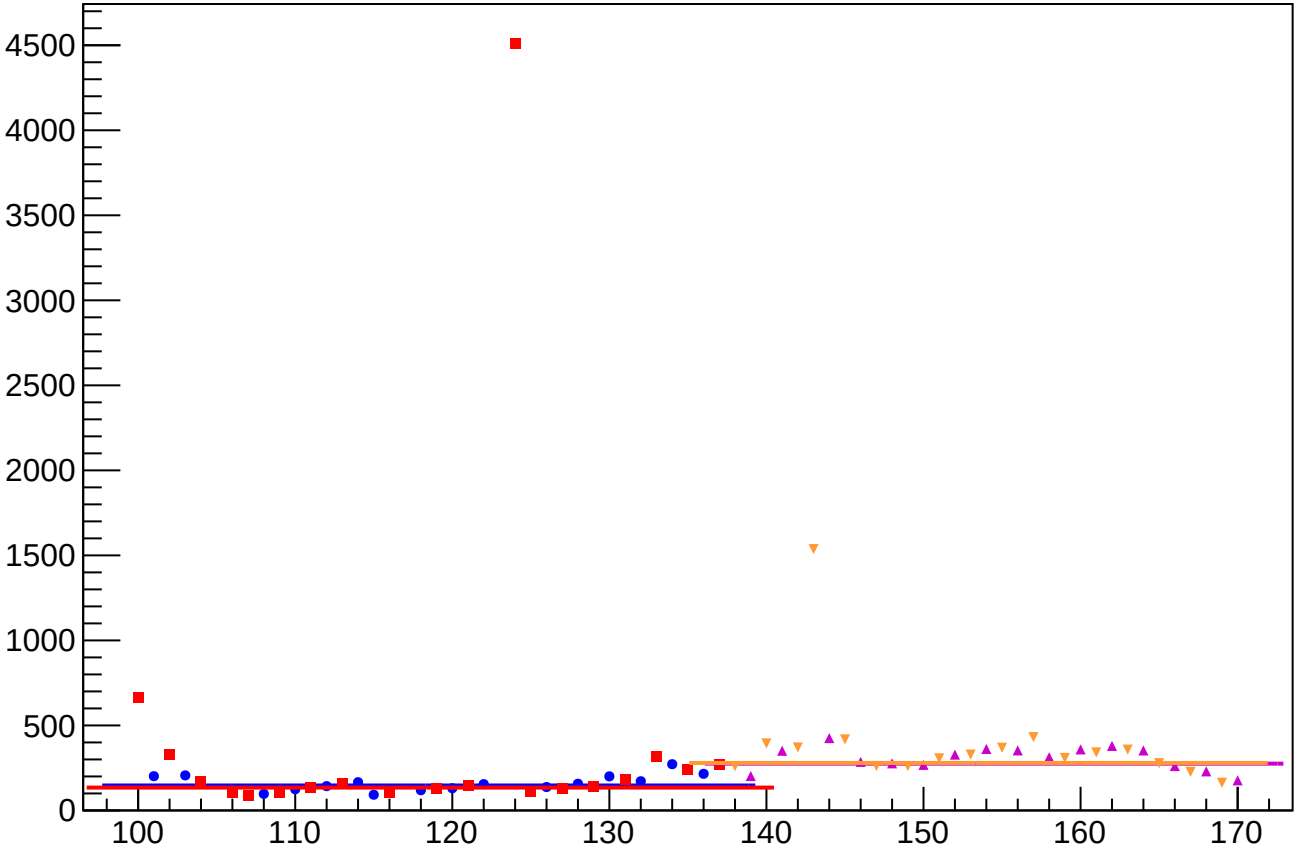
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.033+/-0.045 χ^2/NDF:40.7/35

All: 0.002+/-0.033 χ^2/NDF: 73.4/67

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: 279.406+/-0.058 χ^2/NDF:2889306.4/16

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

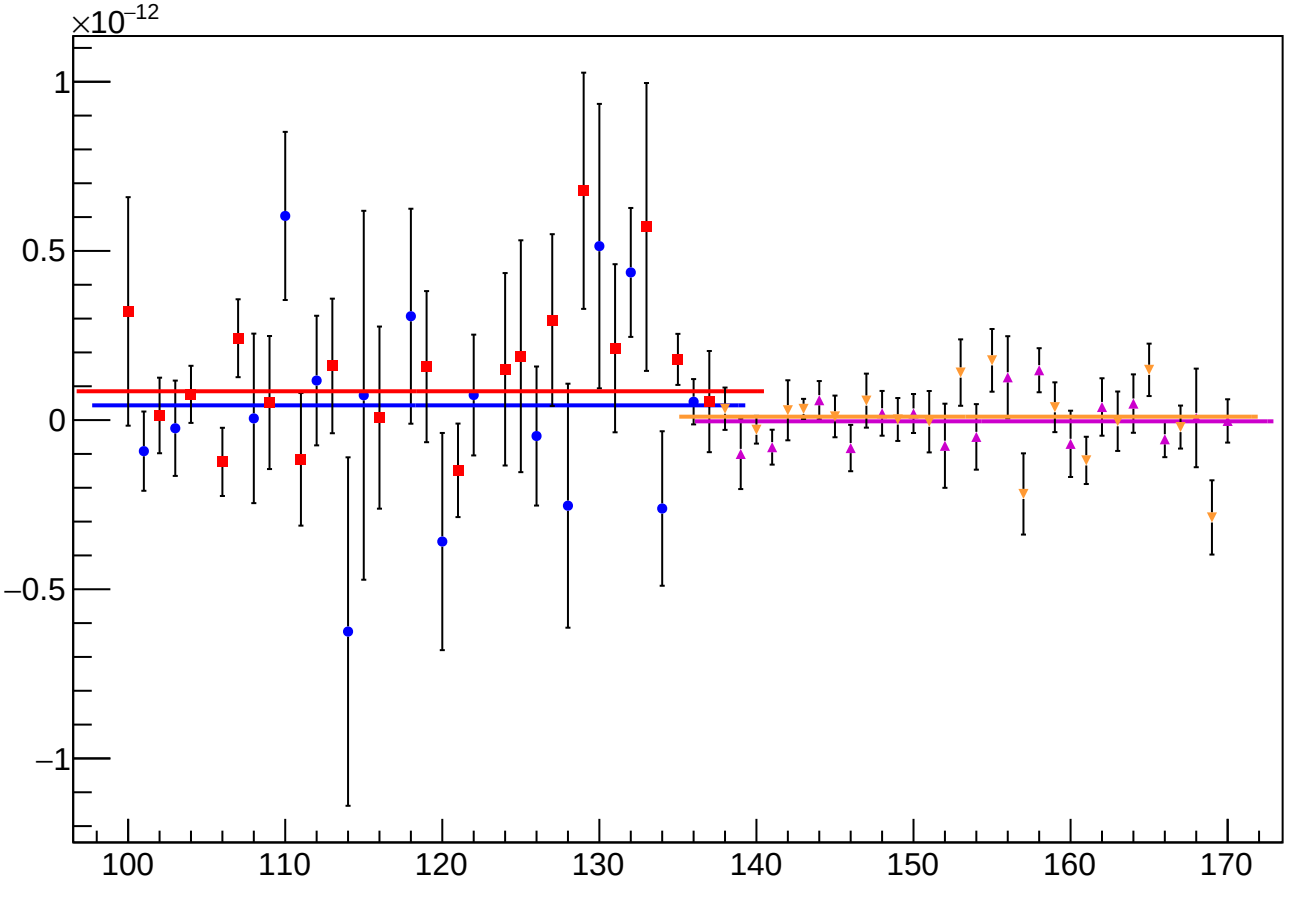
Left: 277.303+/-0.040 χ^2/NDF: 4459571.0/32

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 179.660+/-0.032 χ^2/NDF:8856366.4/35

All: 185.397+/-0.023 χ^2/NDF: 14930726.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/15

Left: 0.000+/-0.000 χ^2/NDF: 40.5/32

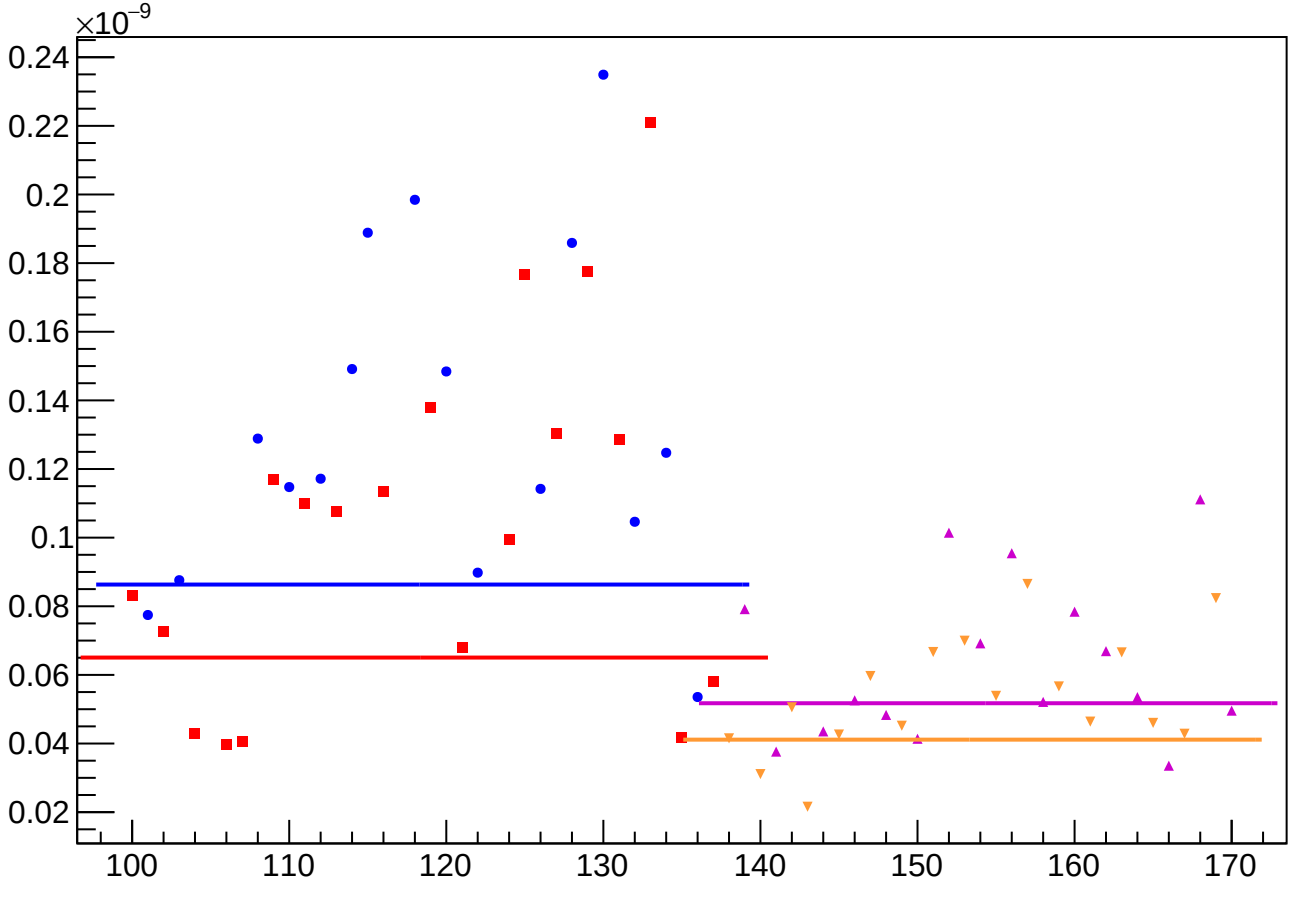
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.3/35

All: 0.000+/-0.000 χ^2/NDF: 83.1/67

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:2344358.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

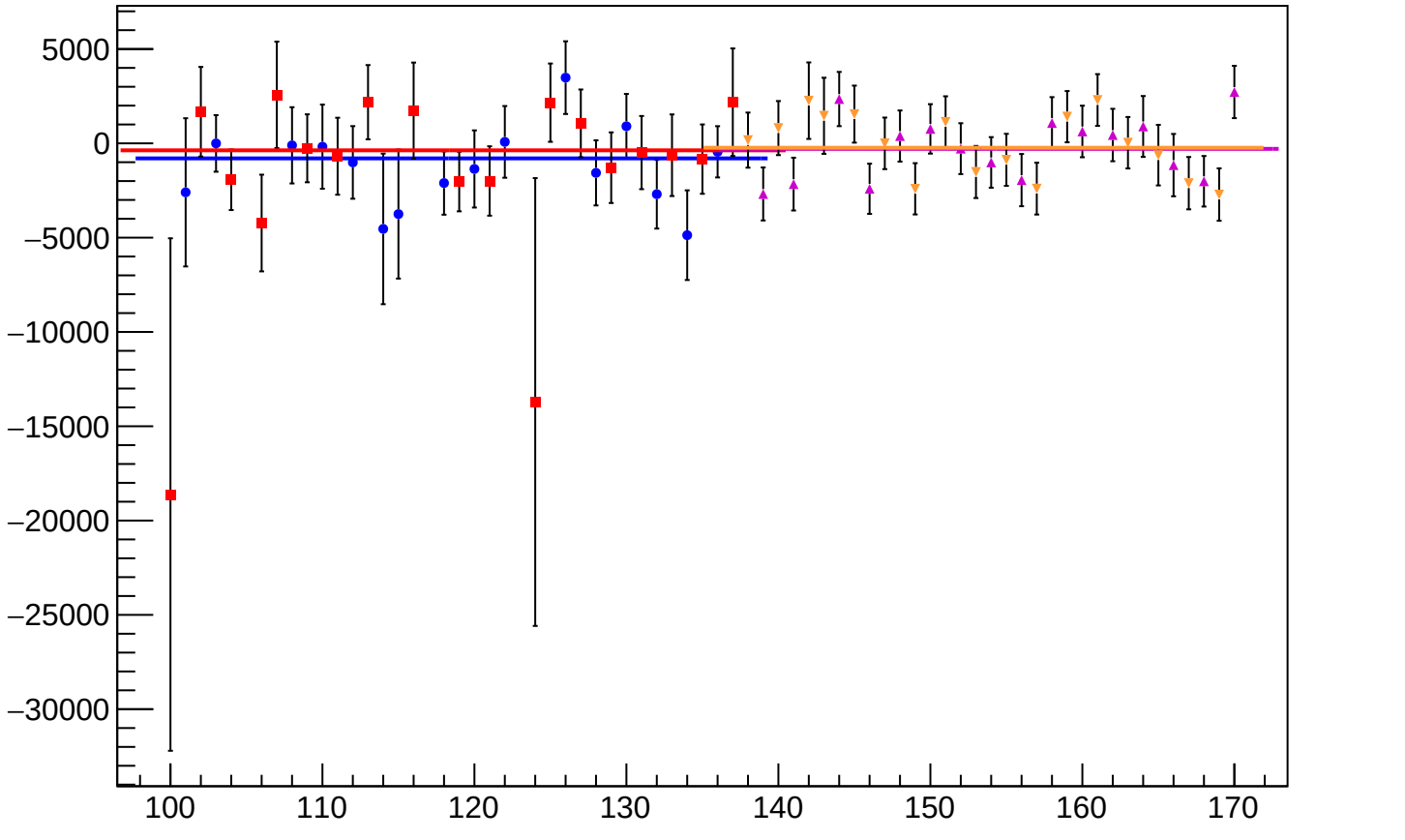
Left: 0.000+/-0.000 χ^2/NDF: 4570285.6/32

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5315337.7/35

All: 0.000+/-0.000 χ^2/NDF: 10411356.8/67



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -233.732+/-351.019 χ^2/NDF:21.4/16

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -292.459+/-348.528 χ^2/NDF:22.1/15

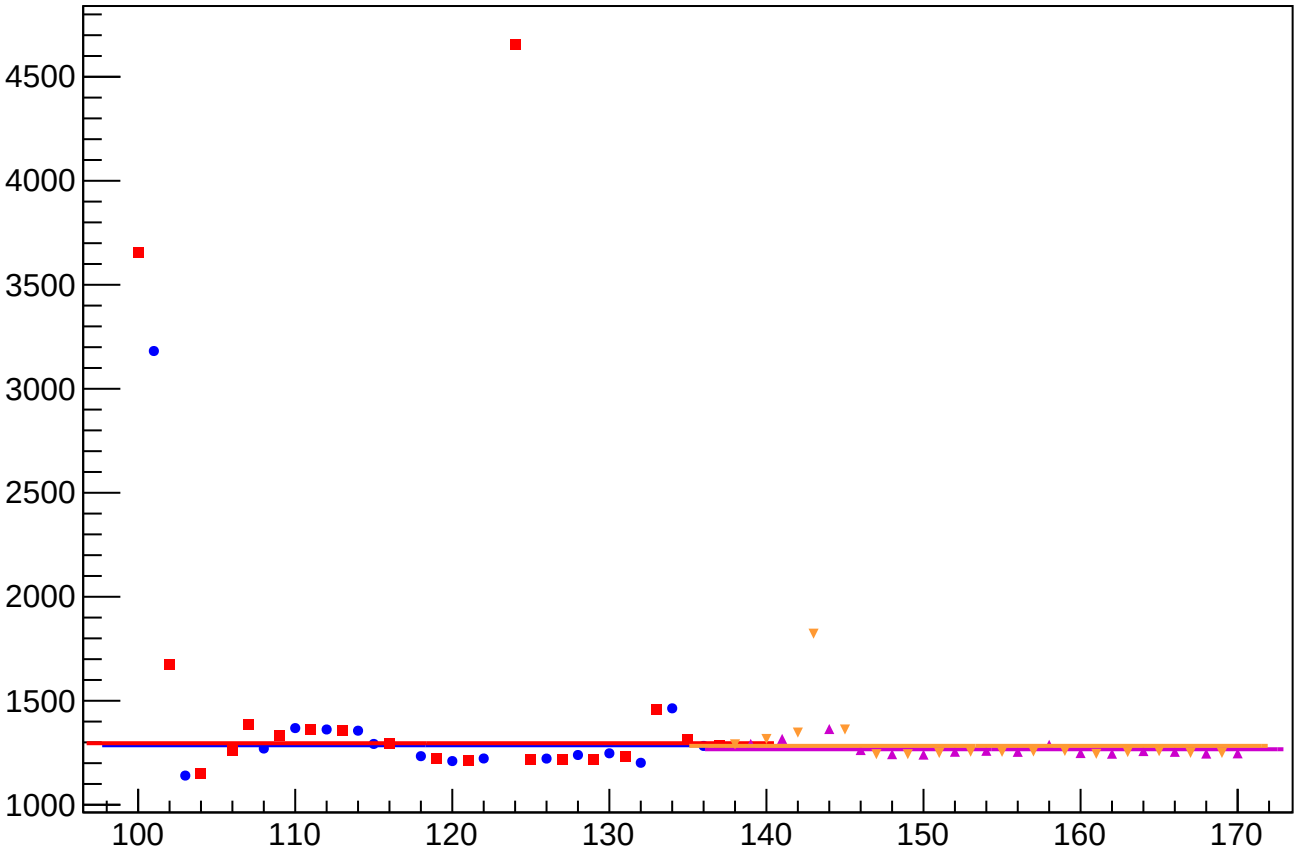
Left: -263.305+/-247.322 χ^2/NDF: 43.5/32

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -463.233+/-283.513 χ^2/NDF:36.3/31

Out: -280.474+/-284.523 χ^2/NDF:37.1/35

All: -372.178+/-200.830 χ^2/NDF: 73.5/67



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

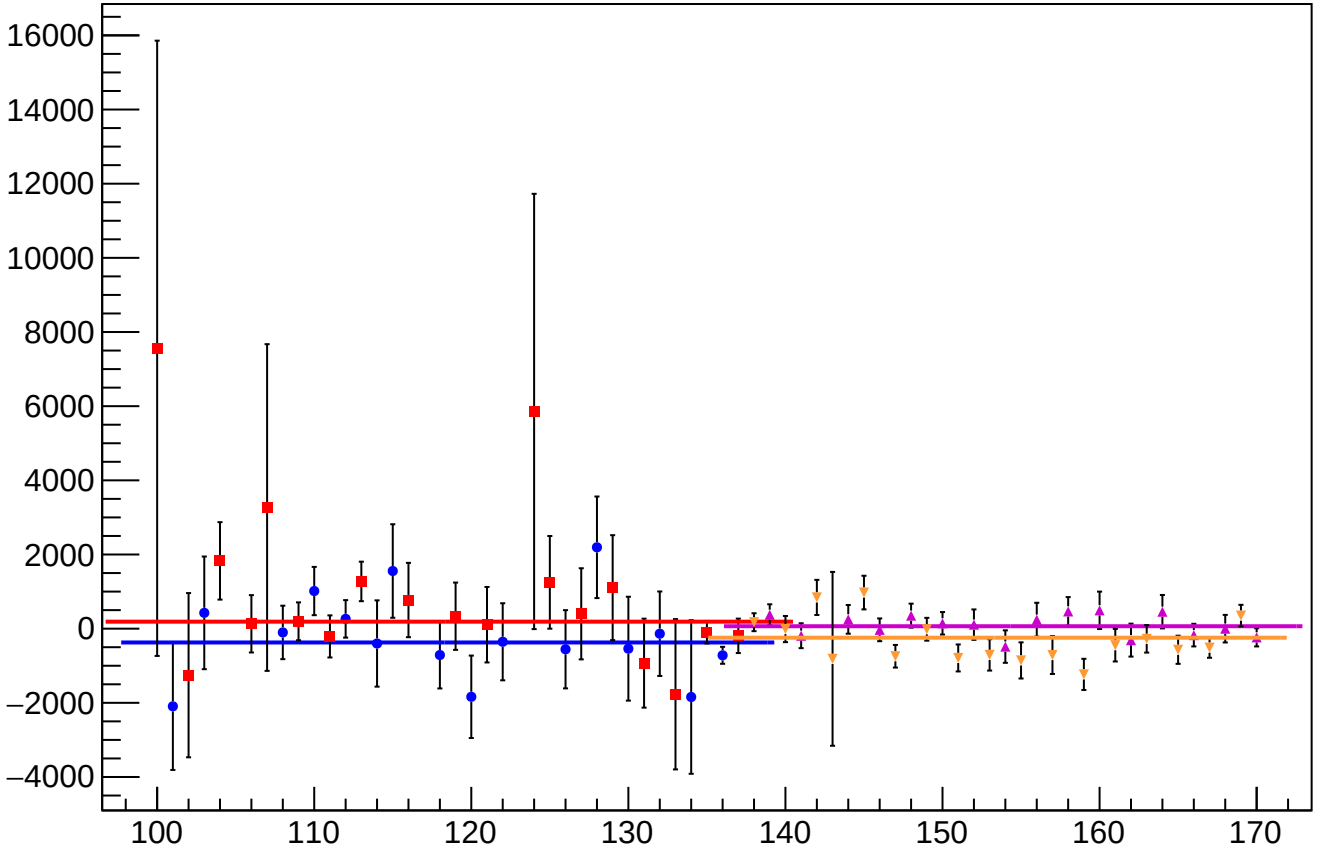
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1273.395+/-0.200 χ^2/NDF:536690.5/31

Out: 1287.607+/-0.201 χ^2/NDF:493767.1/35

All: 1280.476+/-0.142 χ^2/NDF: 1032961.3/67

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: -243.696+/-88.603 χ^2/NDF:36.7/16

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 65.682+/-87.584 χ^2/NDF:10.1/15

Left: -87.219+/-62.288 χ^2/NDF: 53.0/32

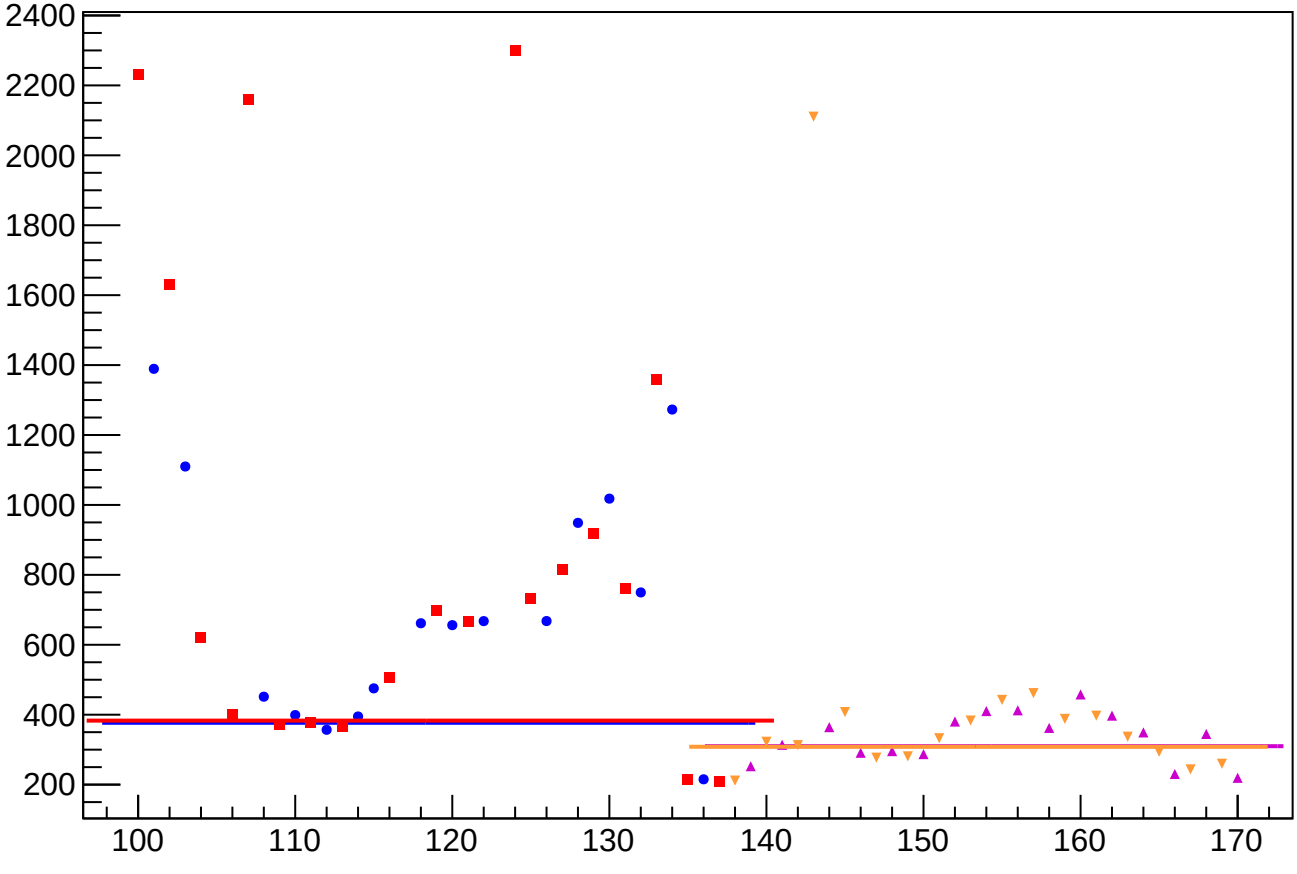
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -27.745+/-77.684 χ^2/NDF:33.6/31

Out: -150.914+/-78.529 χ^2/NDF:56.5/35

All: -88.663+/-55.227 χ^2/NDF: 91.3/67

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: 308.292+/-0.063 χ^2/NDF:2378878.5/16

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 309.914+/-0.062 χ^2/NDF:1138157.2/15

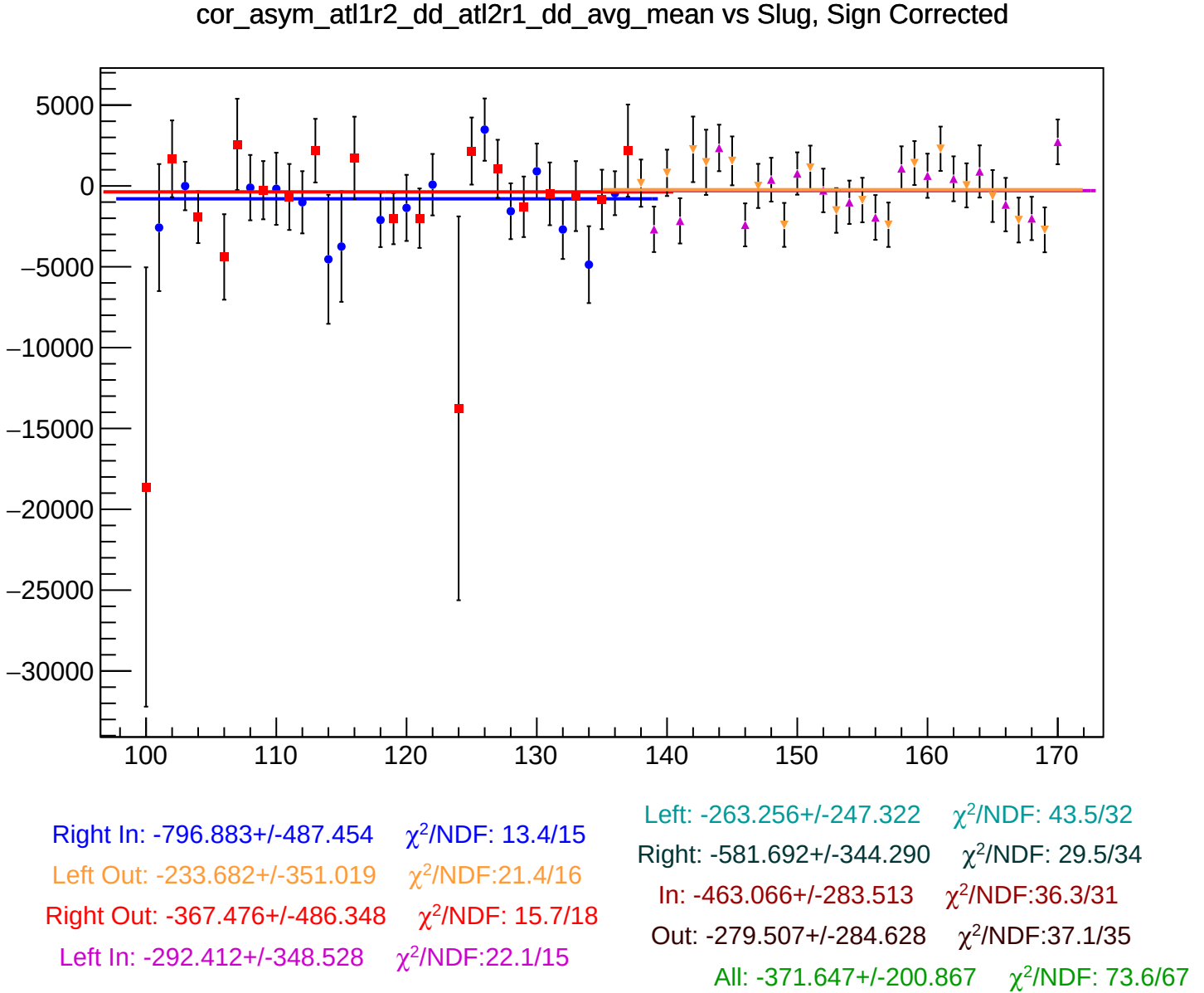
Left: 309.112+/-0.044 χ^2/NDF: 3517374.6/32

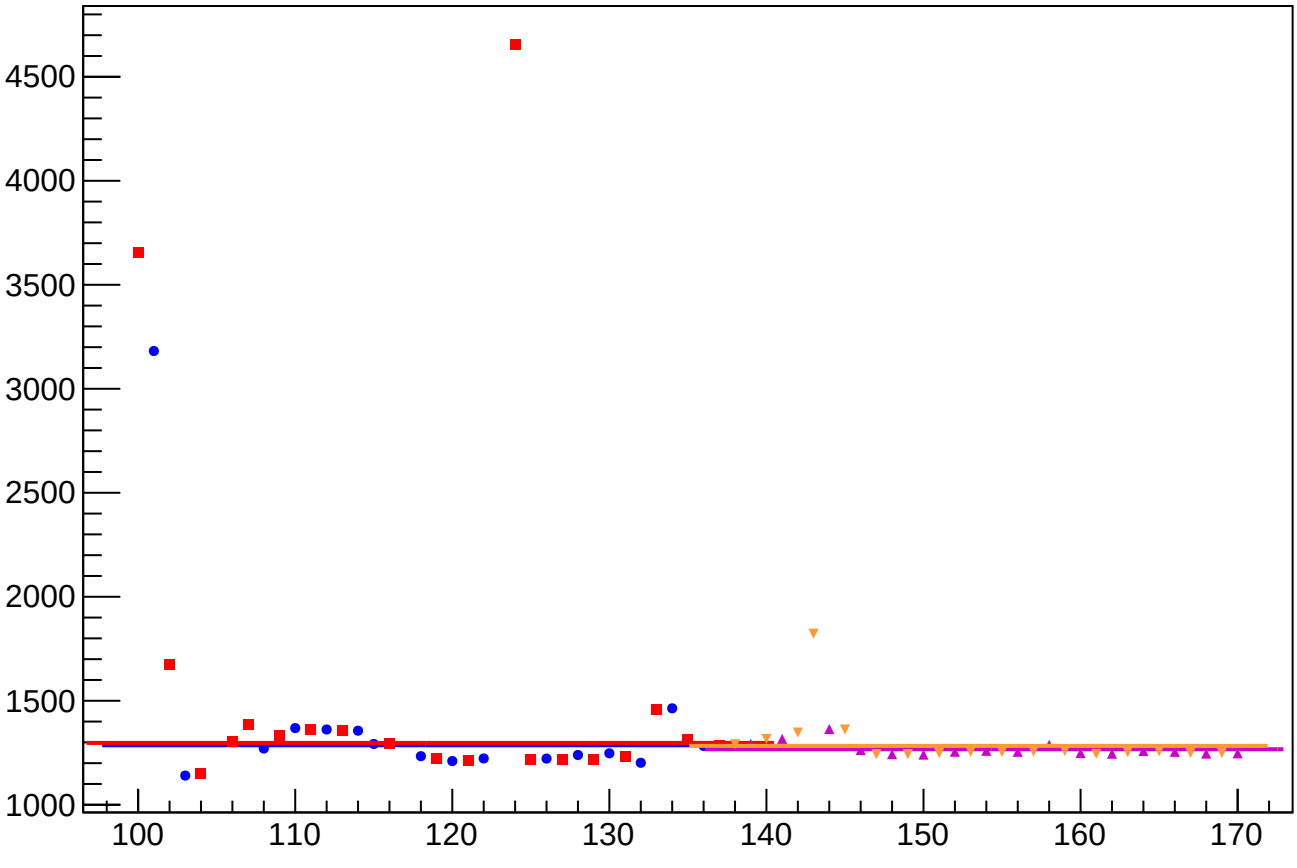
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 324.200+/-0.055 χ^2/NDF:5577837.0/31

Out: 324.329+/-0.056 χ^2/NDF:6738539.6/35

All: 324.264+/-0.039 χ^2/NDF: 12316379.3/67


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -233.682+/-351.019 χ²/NDF:21.4/16
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -292.412+/-348.528 χ²/NDF:22.1/15
Left: -263.256+/-247.322 χ²/NDF: 43.5/32
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -463.066+/-283.513 χ²/NDF:36.3/31
Out: -279.507+/-284.628 χ²/NDF:37.1/35
All: -371.647+/-200.867 χ²/NDF: 73.6/67



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

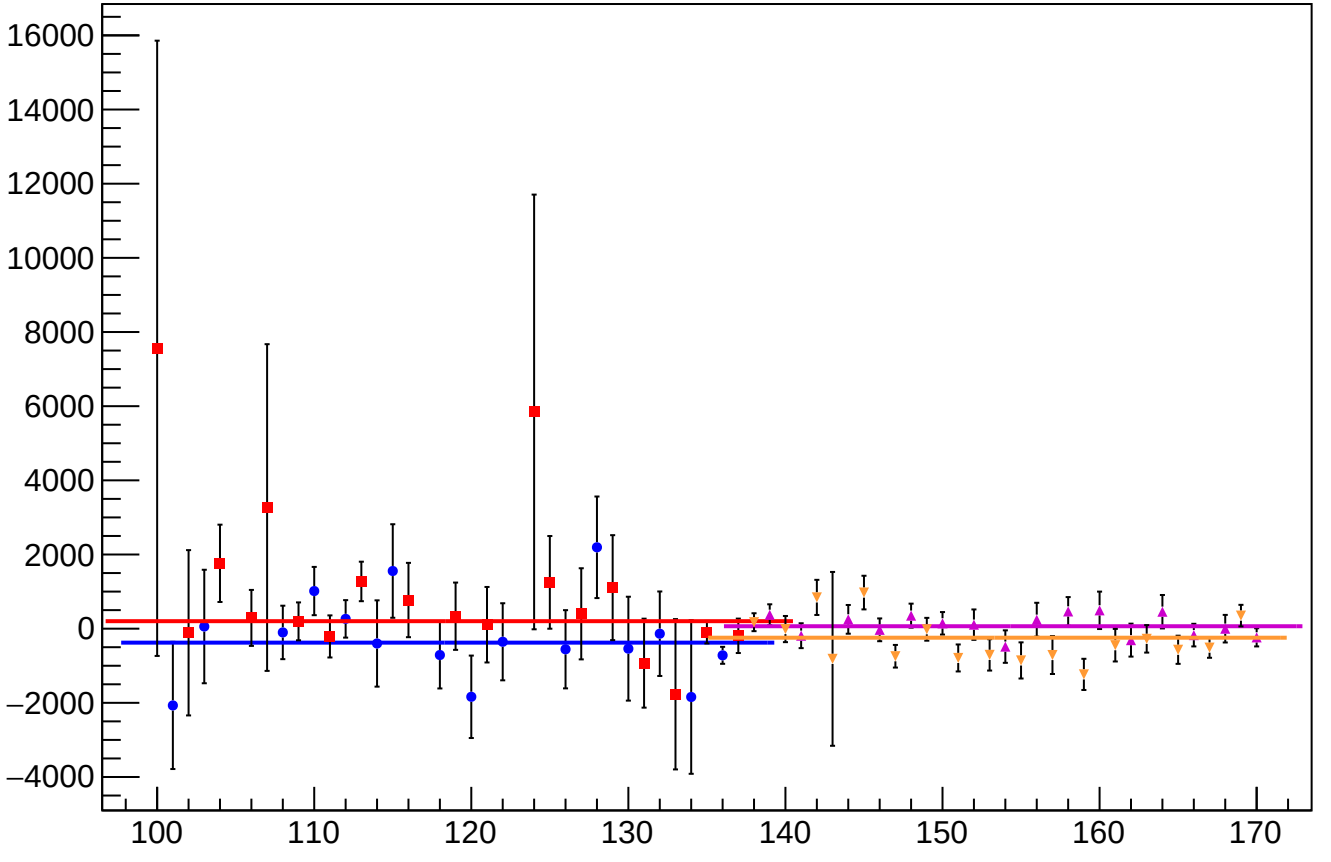
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1288.097+/-0.201 χ^2/NDF:493654.0/35

All: 1280.718+/-0.142 χ^2/NDF: 1033024.5/67

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: -243.704+/-88.605 χ^2/NDF:36.7/16

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -87.212+/-62.289 χ^2/NDF: 53.0/32

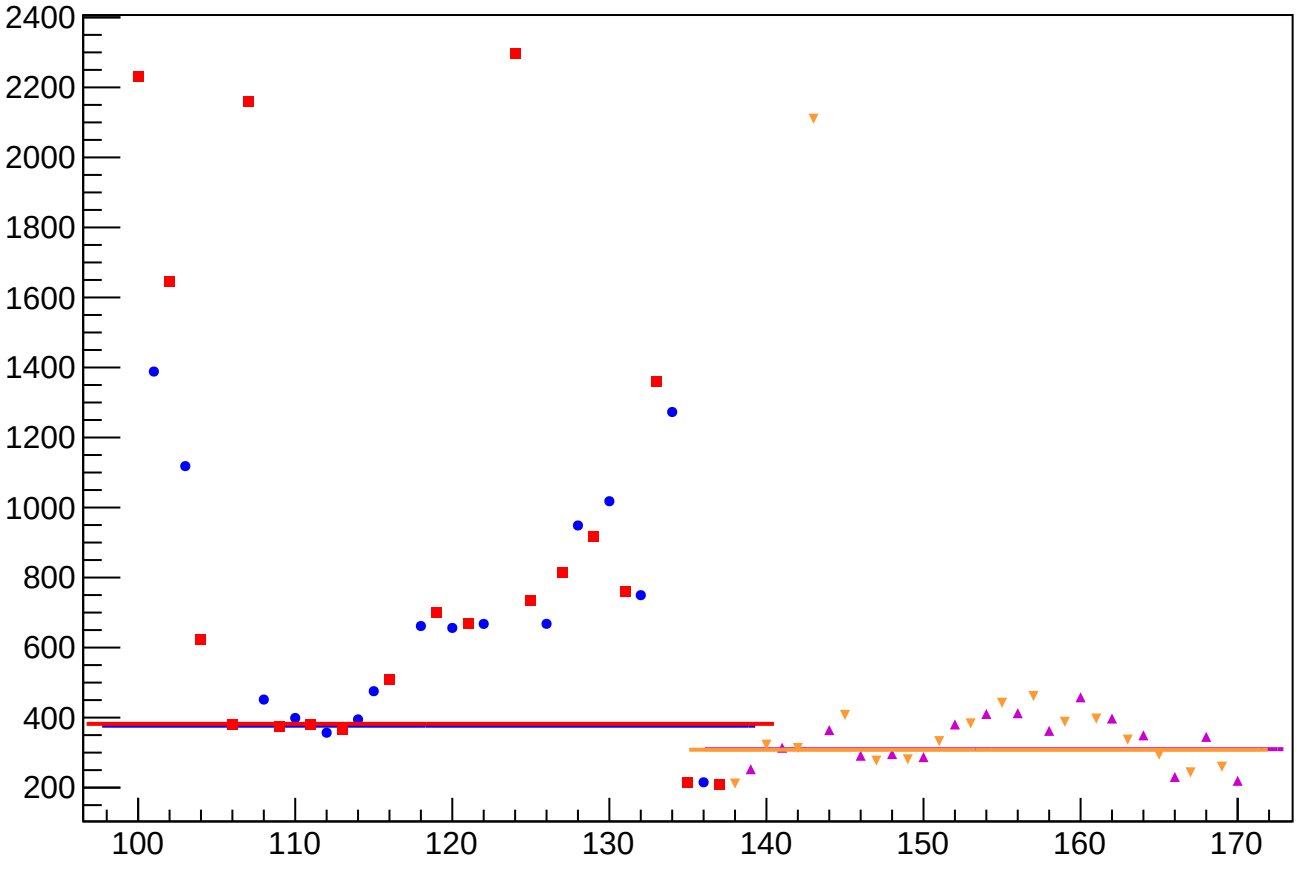
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -147.910+/-78.511 χ^2/NDF:56.2/35

All: -87.657+/-55.222 χ^2/NDF: 90.8/67

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: 308.301+/-0.063 χ^2/NDF:2378708.2/16

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

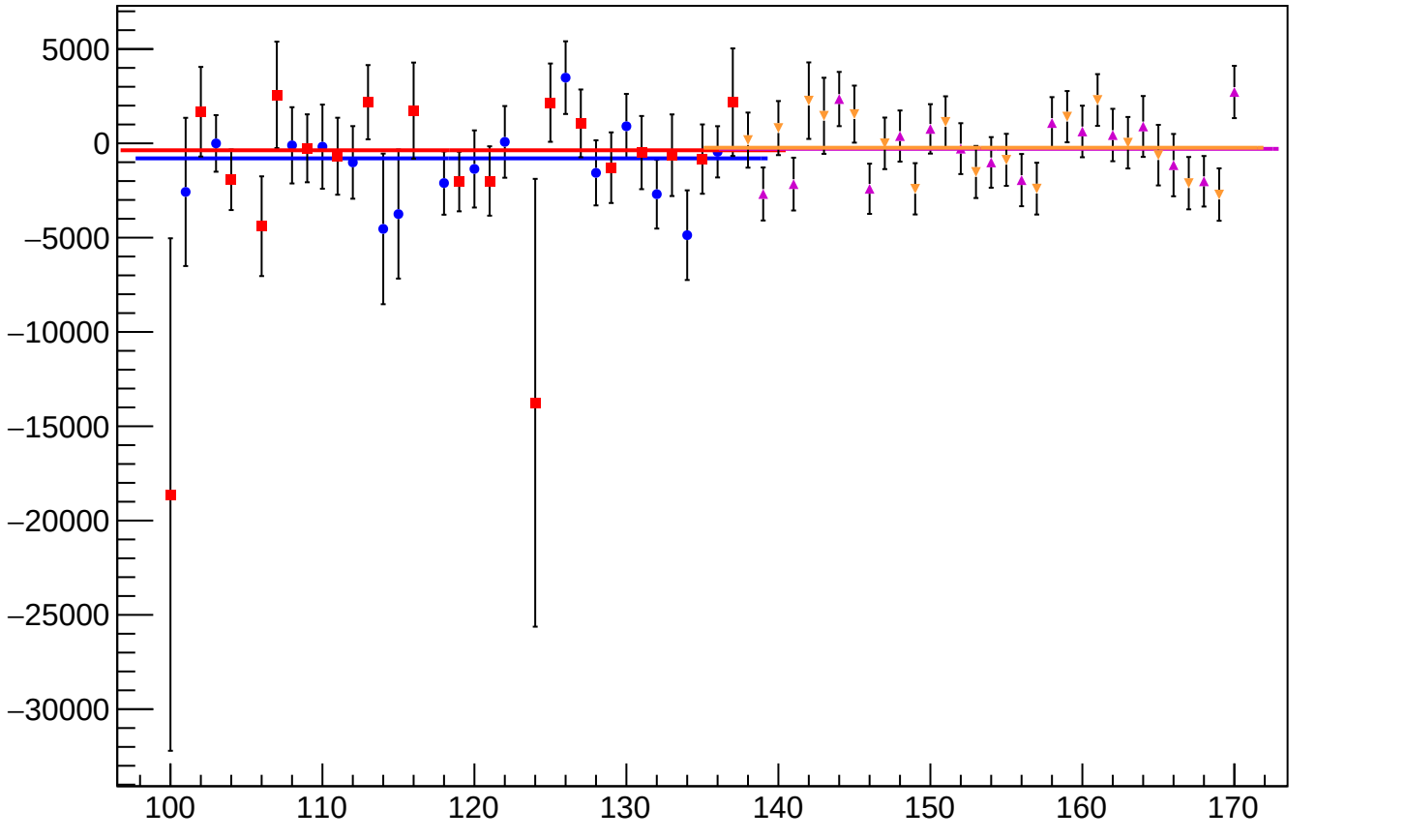
Left: 309.117+/-0.044 χ^2/NDF: 3517332.0/32

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 324.165+/-0.056 χ^2/NDF:6736701.2/35

All: 324.181+/-0.039 χ^2/NDF: 12317693.4/67



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -233.682+/-351.019 χ^2/NDF:21.4/16

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -292.412+/-348.528 χ^2/NDF:22.1/15

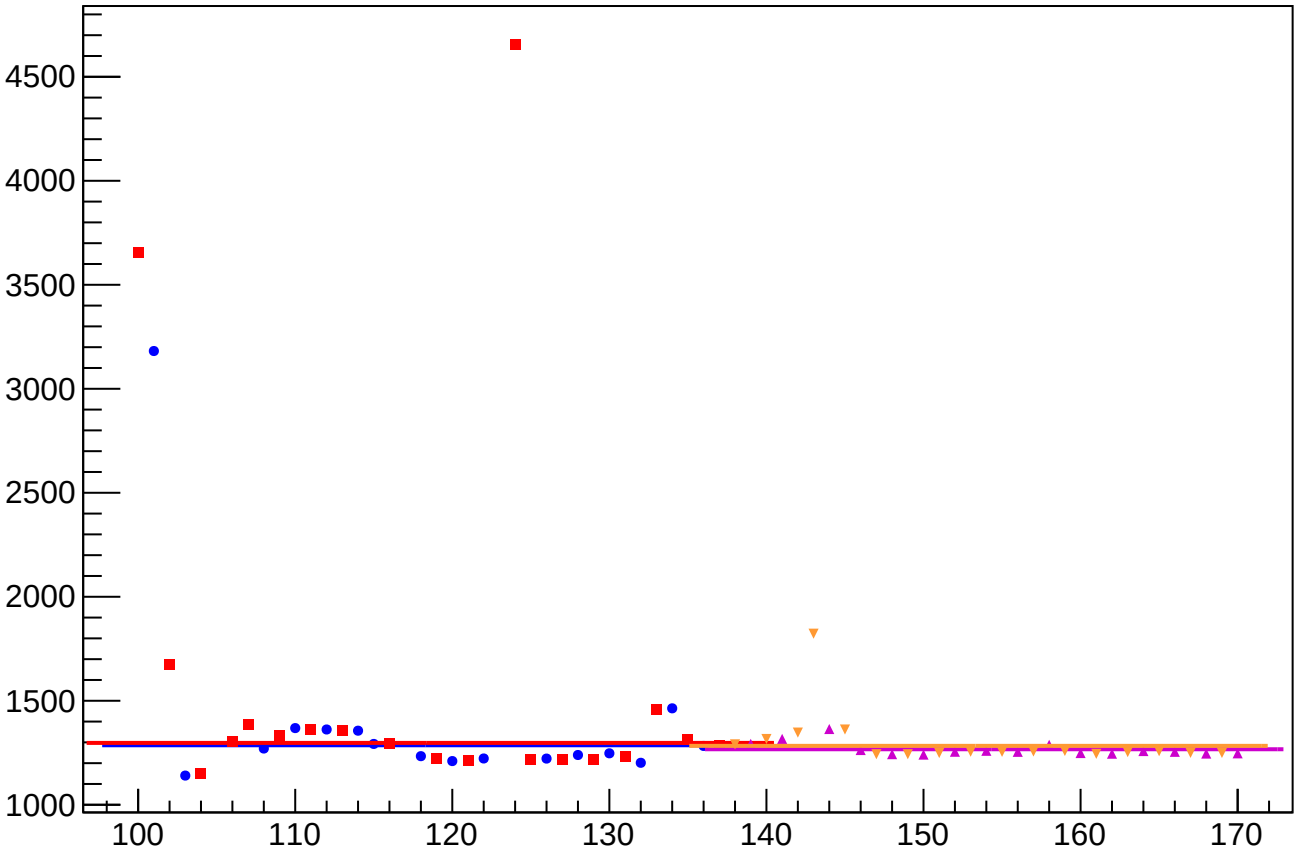
Left: -263.256+/-247.322 χ^2/NDF: 43.5/32

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -463.066+/-283.513 χ^2/NDF:36.3/31

Out: -279.507+/-284.628 χ^2/NDF:37.1/35

All: -371.647+/-200.867 χ^2/NDF: 73.6/67



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1283.255+/-0.248 χ^2/NDF:164800.9/16

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1275.020+/-0.175 χ^2/NDF: 183498.1/32

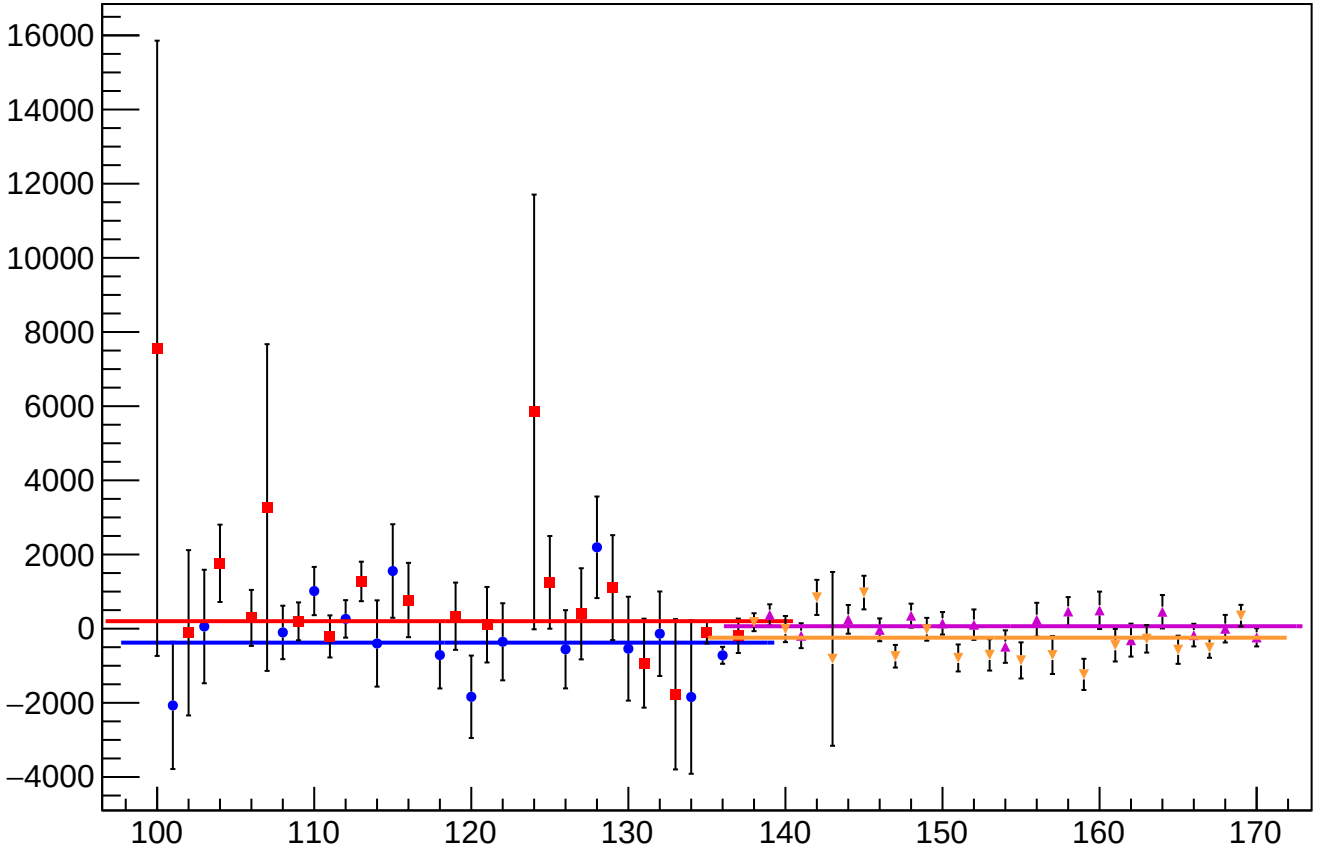
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1288.097+/-0.201 χ^2/NDF:493654.0/35

All: 1280.718+/-0.142 χ^2/NDF: 1033024.5/67

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: -243.704+/-88.605 χ^2/NDF:36.7/16

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -87.212+/-62.289 χ^2/NDF: 53.0/32

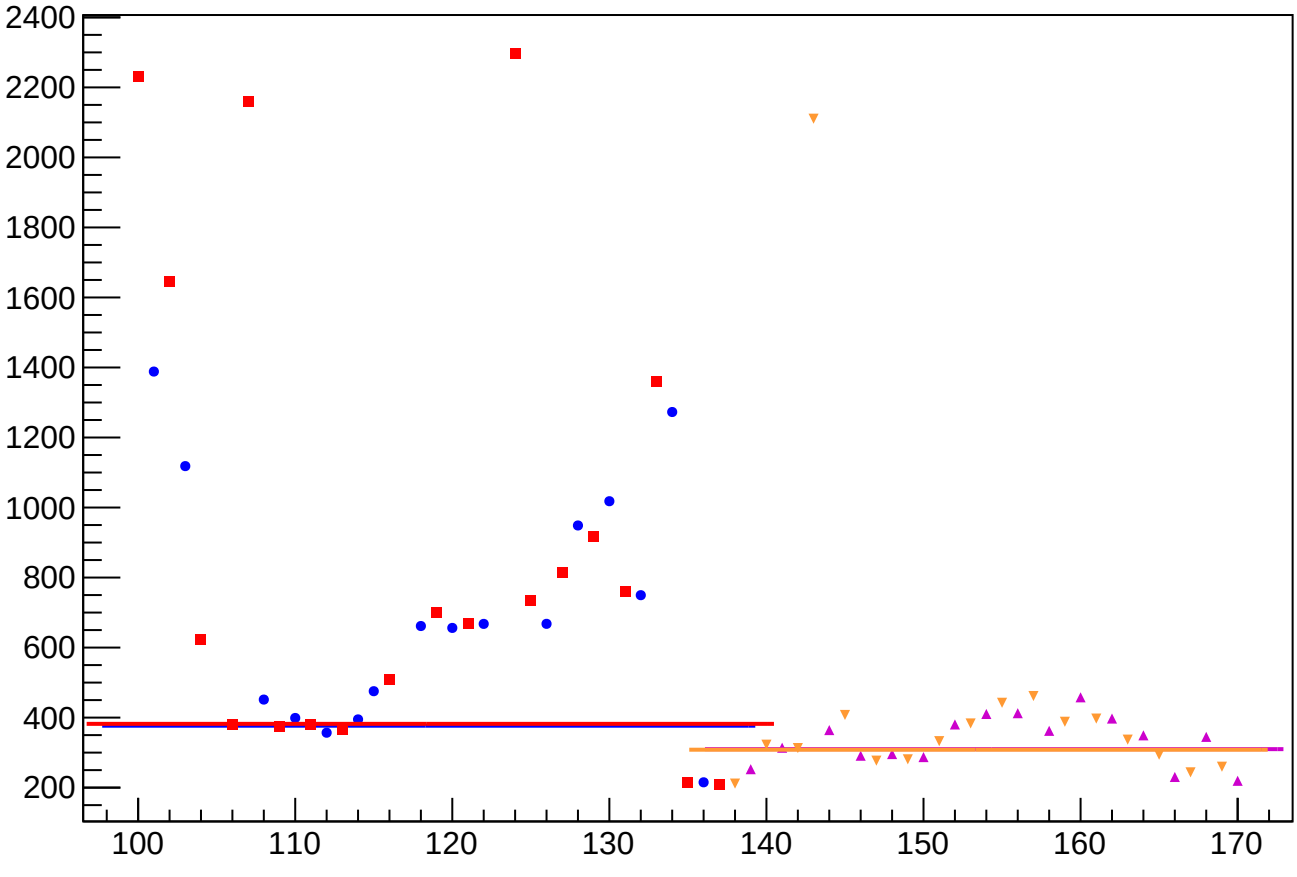
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -147.910+/-78.511 χ^2/NDF:56.2/35

All: -87.657+/-55.222 χ^2/NDF: 90.8/67

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: 308.301+/-0.063 χ^2/NDF:2378708.2/16

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

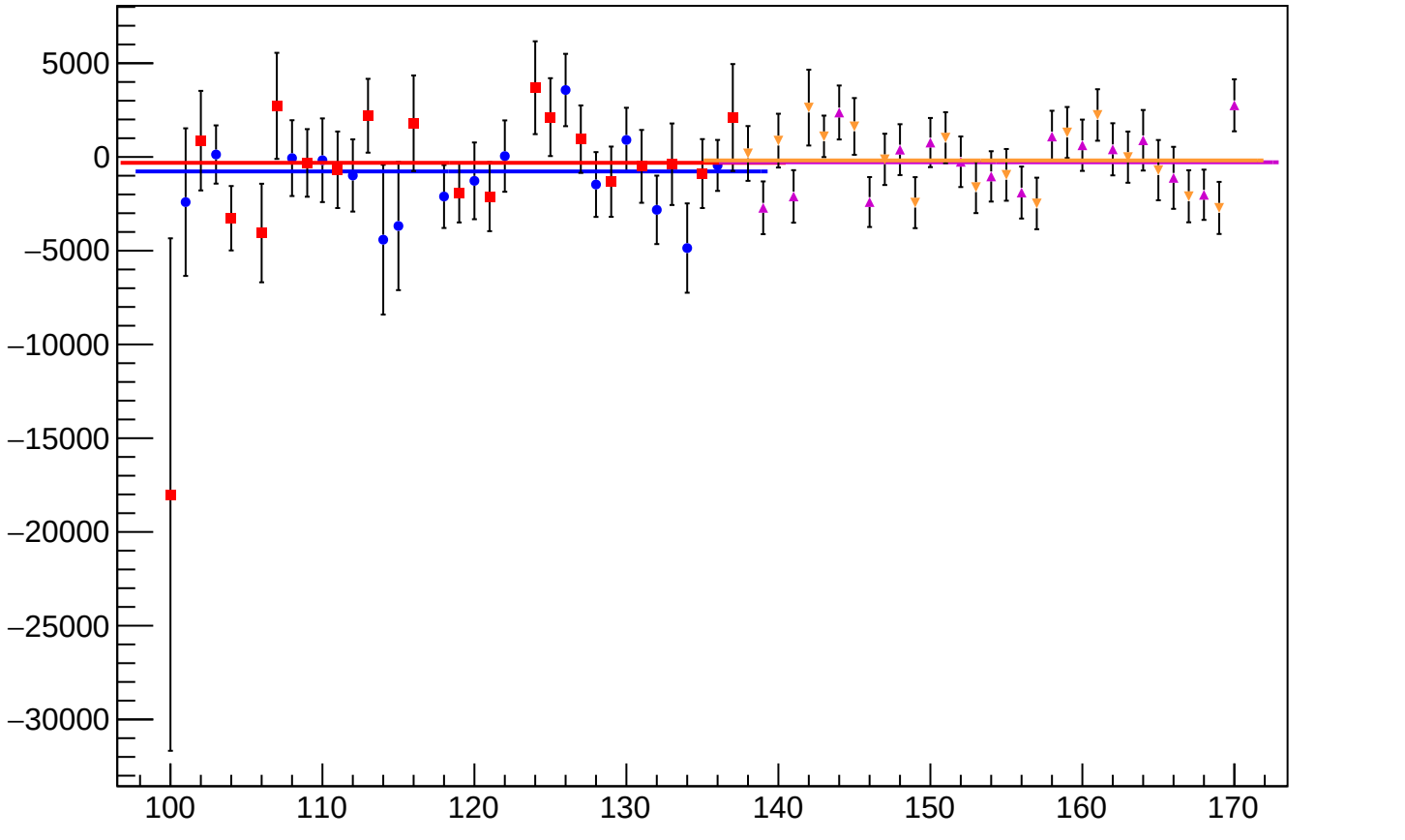
Left: 309.117+/-0.044 χ^2/NDF: 3517332.0/32

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 324.165+/-0.056 χ^2/NDF:6736701.2/35

All: 324.181+/-0.039 χ^2/NDF: 12317693.4/67



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -184.203+/-339.481 χ^2/NDF:22.7/16

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -283.367+/-348.774 χ^2/NDF:22.1/15

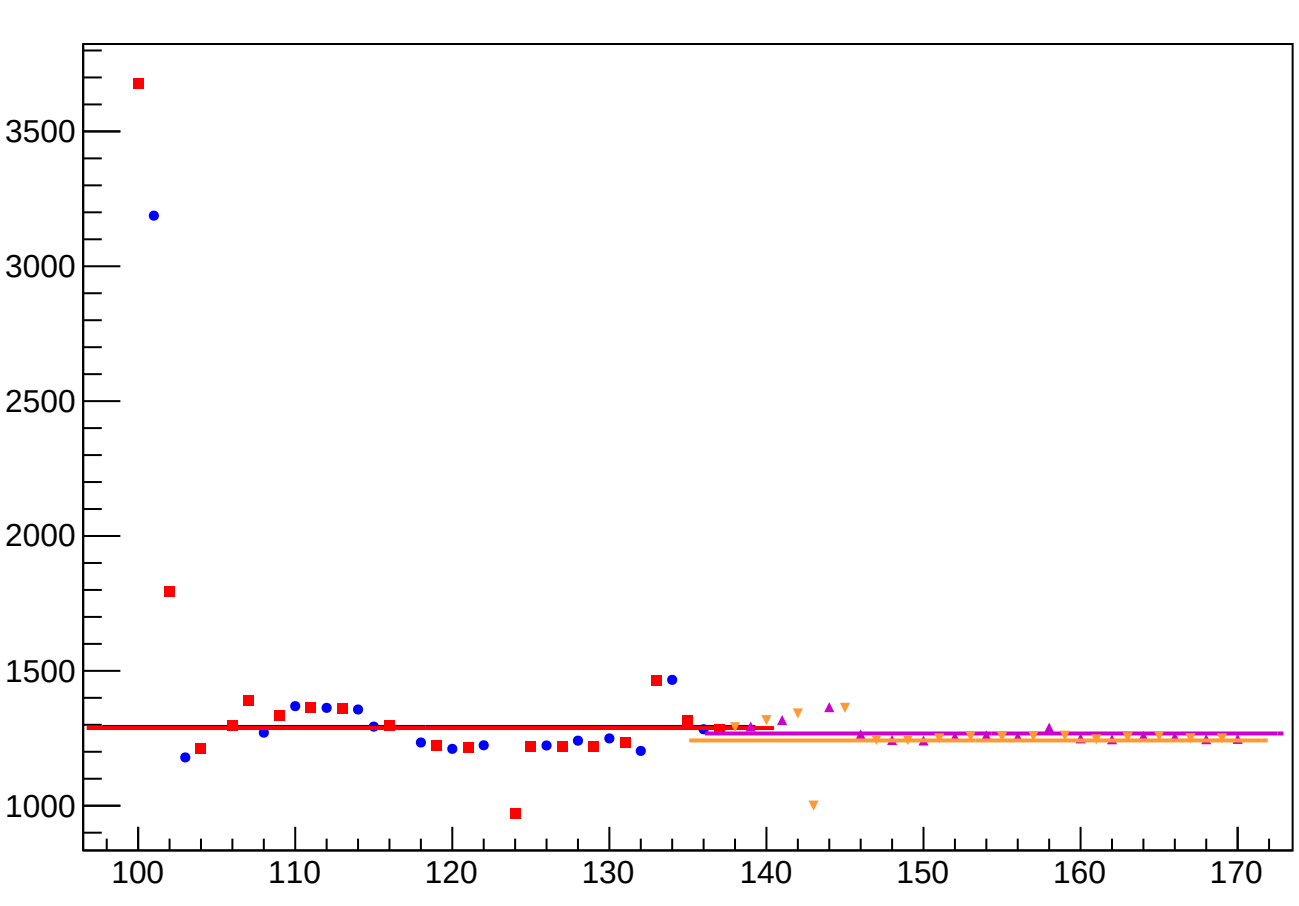
Left: -232.447+/-243.268 χ^2/NDF: 44.8/32

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -447.688+/-284.068 χ^2/NDF:36.4/31

Out: -226.310+/-277.672 χ^2/NDF:40.7/35

All: -334.479+/-198.566 χ^2/NDF: 77.4/67



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.037+/-0.240 χ^2/NDF:122291.2/16

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1254.567+/-0.172 χ^2/NDF: 144545.6/32

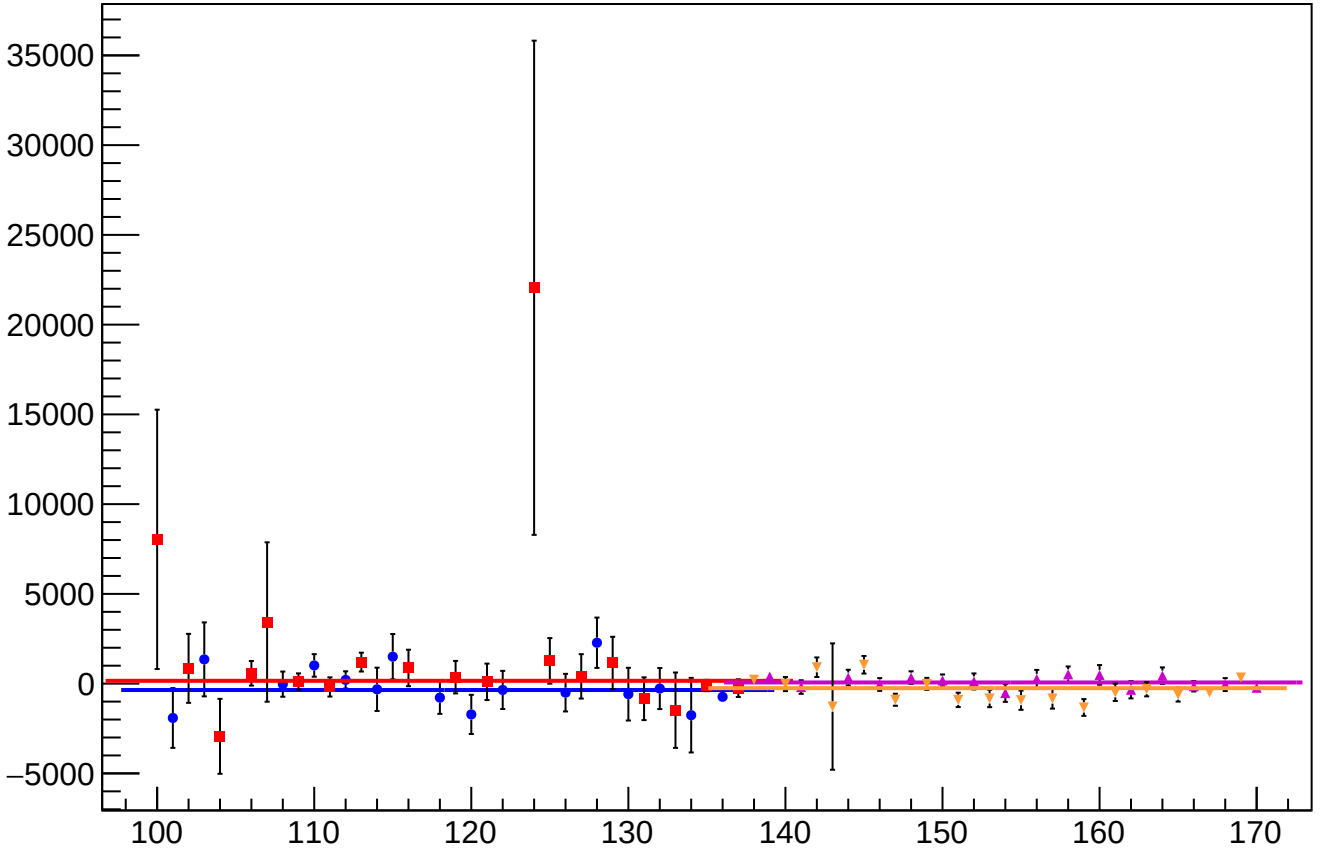
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1275.954+/-0.201 χ^2/NDF:529314.0/31

Out: 1257.246+/-0.196 χ^2/NDF:343628.6/35

All: 1266.387+/-0.140 χ^2/NDF: 877378.5/67

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: -252.283+/-93.160 χ^2/NDF:38.5/16

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 66.045+/-91.826 χ^2/NDF:9.9/15

Left: -90.824+/-65.397 χ^2/NDF: 54.4/32

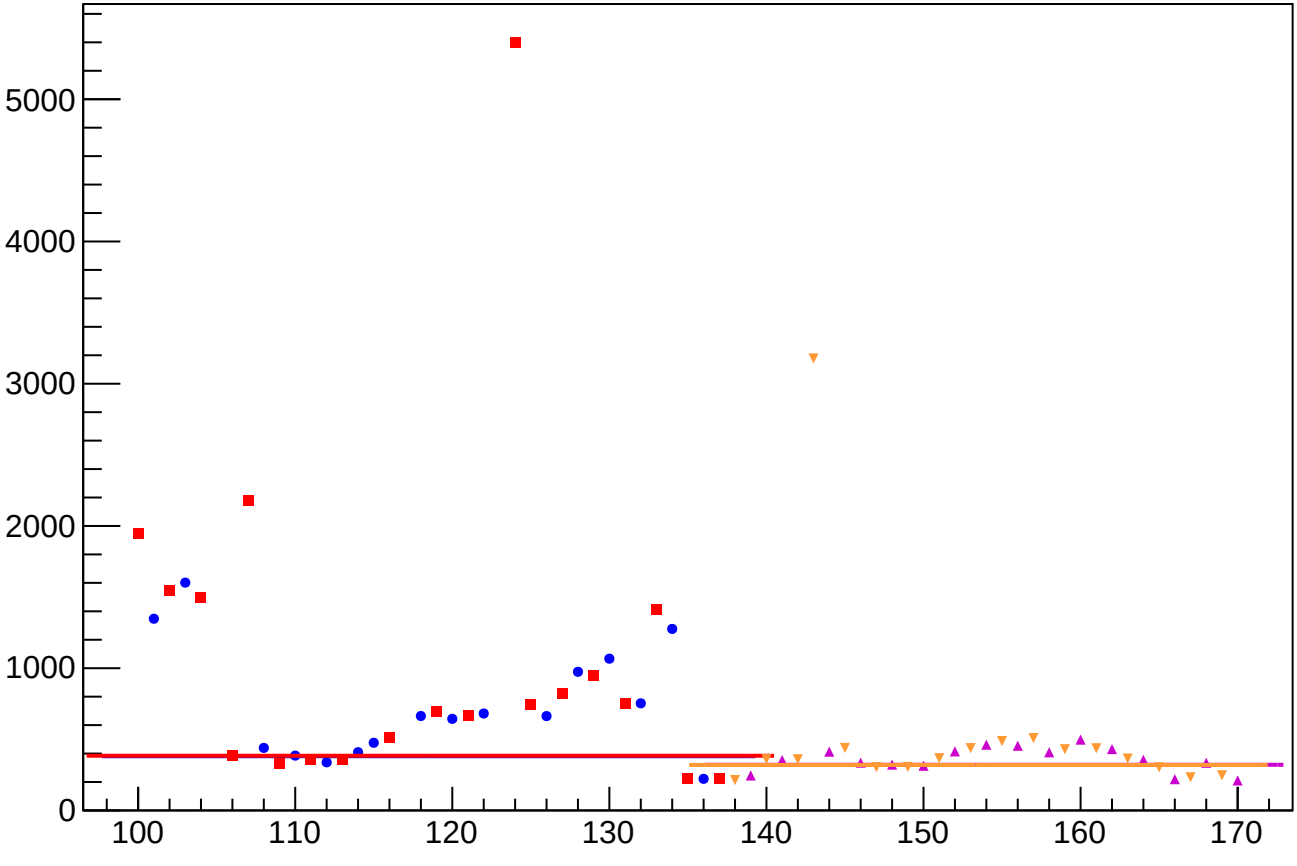
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -29.132+/-80.790 χ^2/NDF:33.1/31

Out: -157.258+/-81.660 χ^2/NDF:58.9/35

All: -92.509+/-57.432 χ^2/NDF: 93.2/67

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: 320.045+/-0.066 χ^2/NDF:3043071.6/16

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 321.050+/-0.065 χ^2/NDF:1739700.2/15

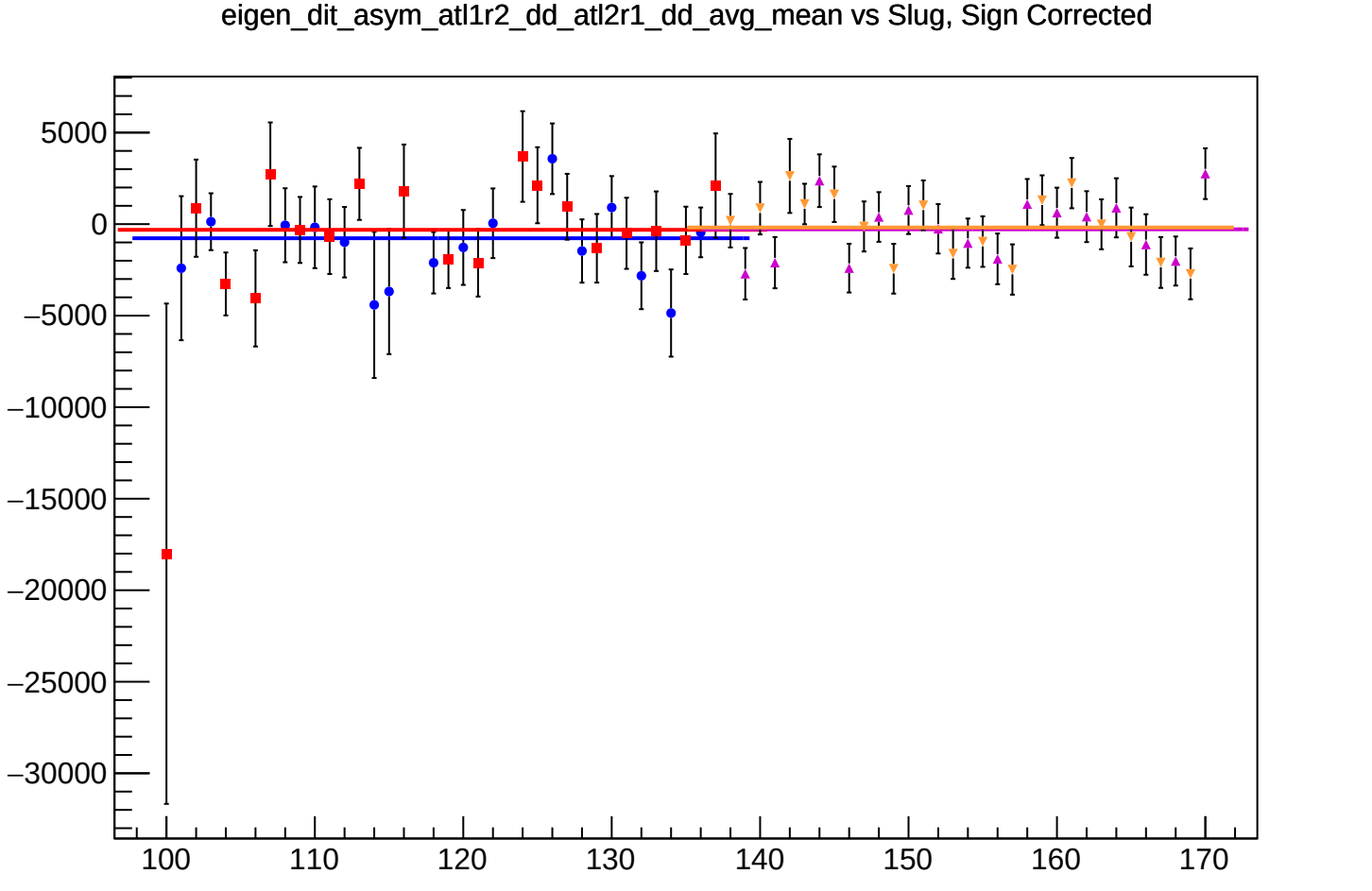
Left: 320.555+/-0.046 χ^2/NDF: 4782889.9/32

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 334.674+/-0.057 χ^2/NDF:6252463.1/31

Out: 335.011+/-0.058 χ^2/NDF:7826093.0/35

All: 334.841+/-0.041 χ^2/NDF: 14078573.4/67



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -184.202+/-339.481 χ^2/NDF:22.7/16

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -283.368+/-348.774 χ^2/NDF:22.1/15

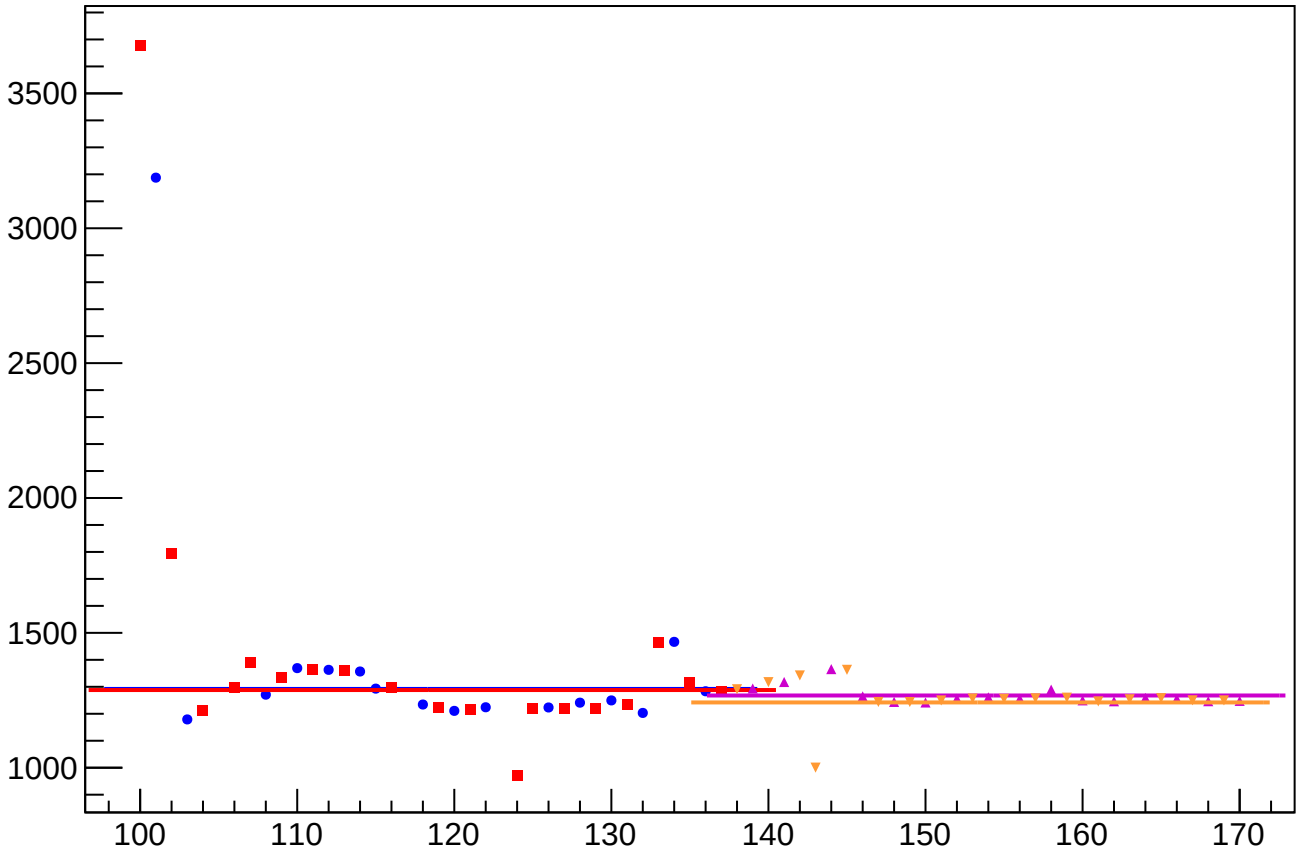
Left: -232.446+/-243.268 χ^2/NDF: 44.8/32

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -447.689+/-284.068 χ^2/NDF:36.4/31

Out: -226.310+/-277.672 χ^2/NDF:40.7/35

All: -334.479+/-198.566 χ^2/NDF: 77.4/67



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.037+/-0.240 χ^2/NDF:122290.4/16

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1254.567+/-0.172 χ^2/NDF: 144544.7/32

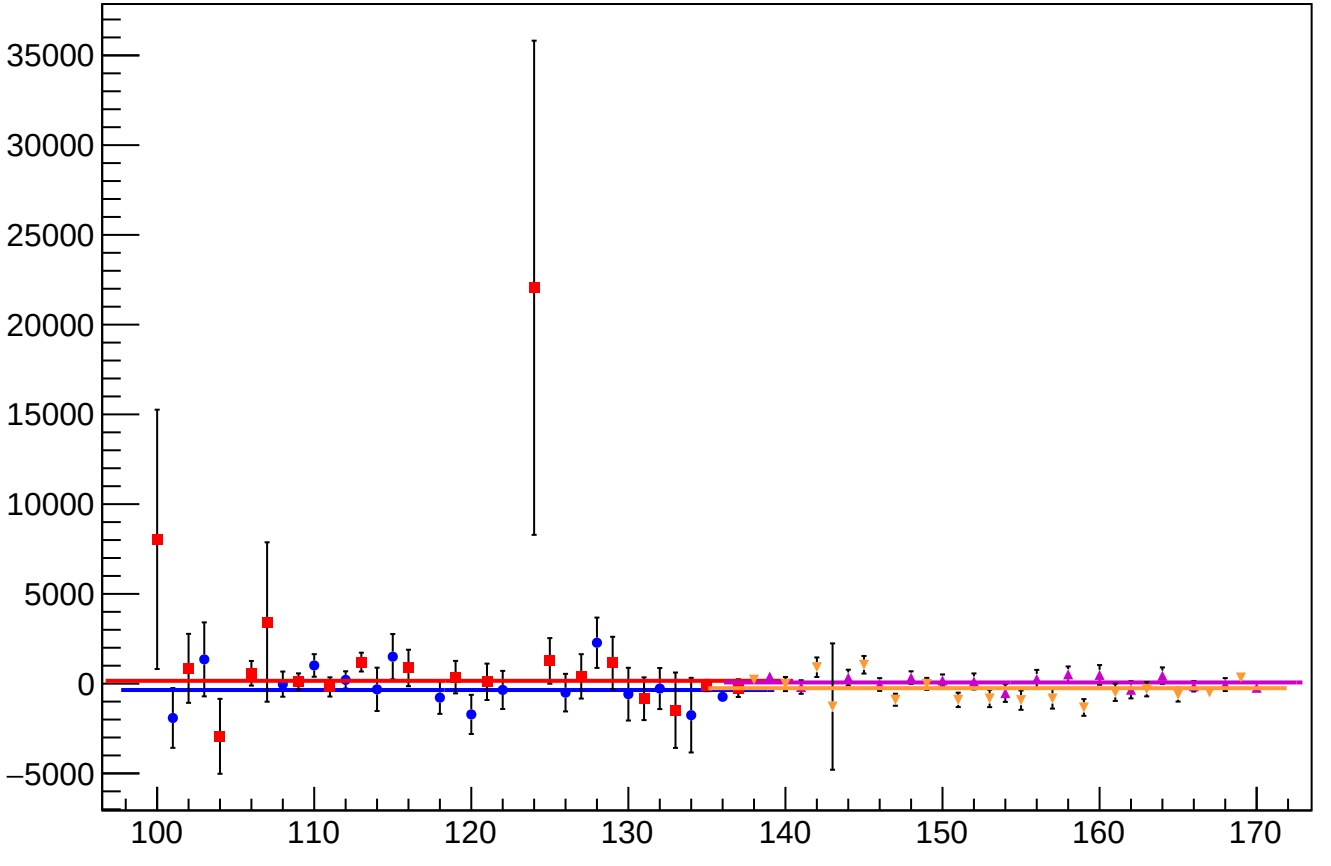
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1275.954+/-0.201 χ^2/NDF:529314.1/31

Out: 1257.246+/-0.196 χ^2/NDF:343628.0/35

All: 1266.387+/-0.140 χ^2/NDF: 877377.8/67

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: -252.292+/-93.161 χ^2/NDF:38.5/16

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 66.042+/-91.827 χ^2/NDF:9.9/15

Left: -90.829+/-65.398 χ^2/NDF: 54.4/32

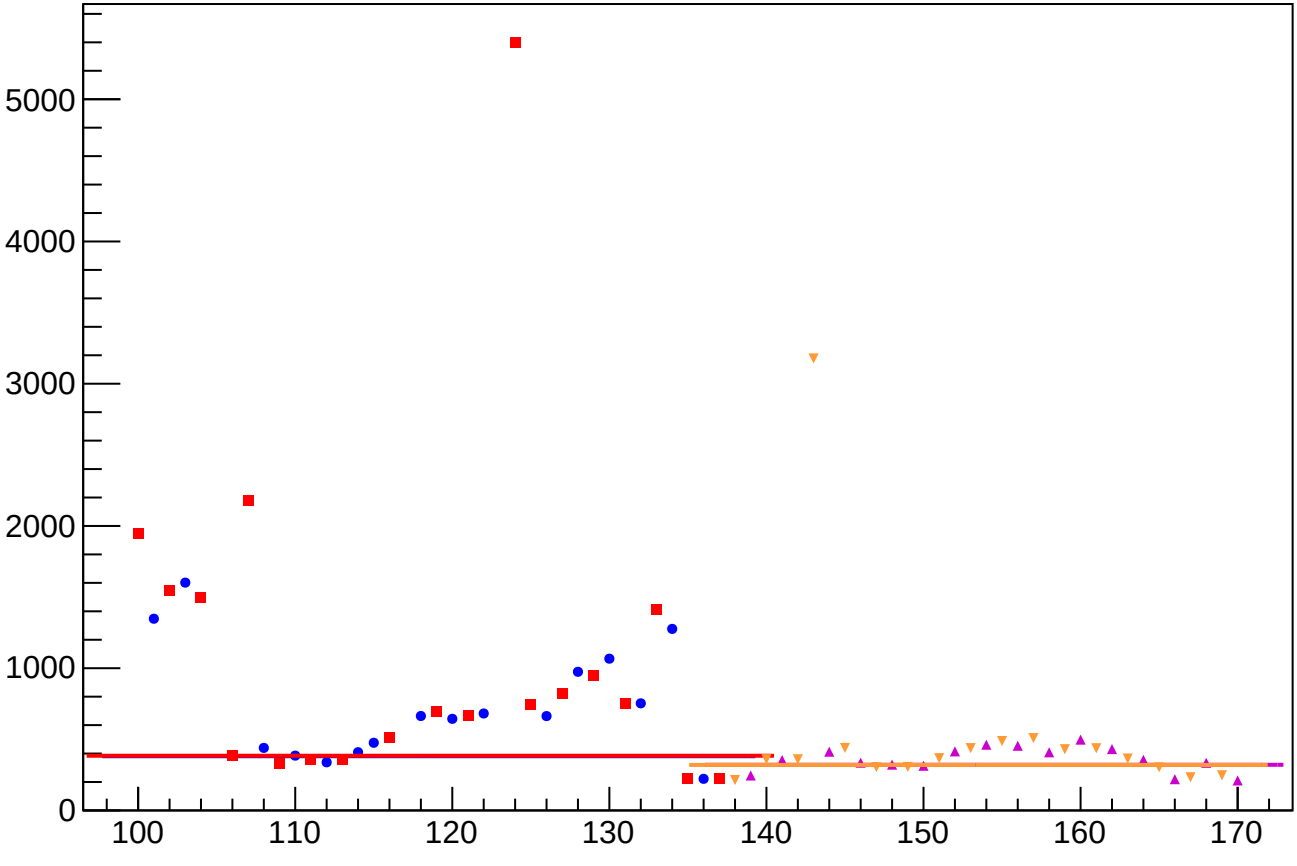
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -29.132+/-80.791 χ^2/NDF:33.1/31

Out: -157.264+/-81.661 χ^2/NDF:58.9/35

All: -92.512+/-57.433 χ^2/NDF: 93.2/67

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: 320.049+/-0.066 χ^2/NDF:3042948.6/16

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 321.052+/-0.065 χ^2/NDF:1739642.4/15

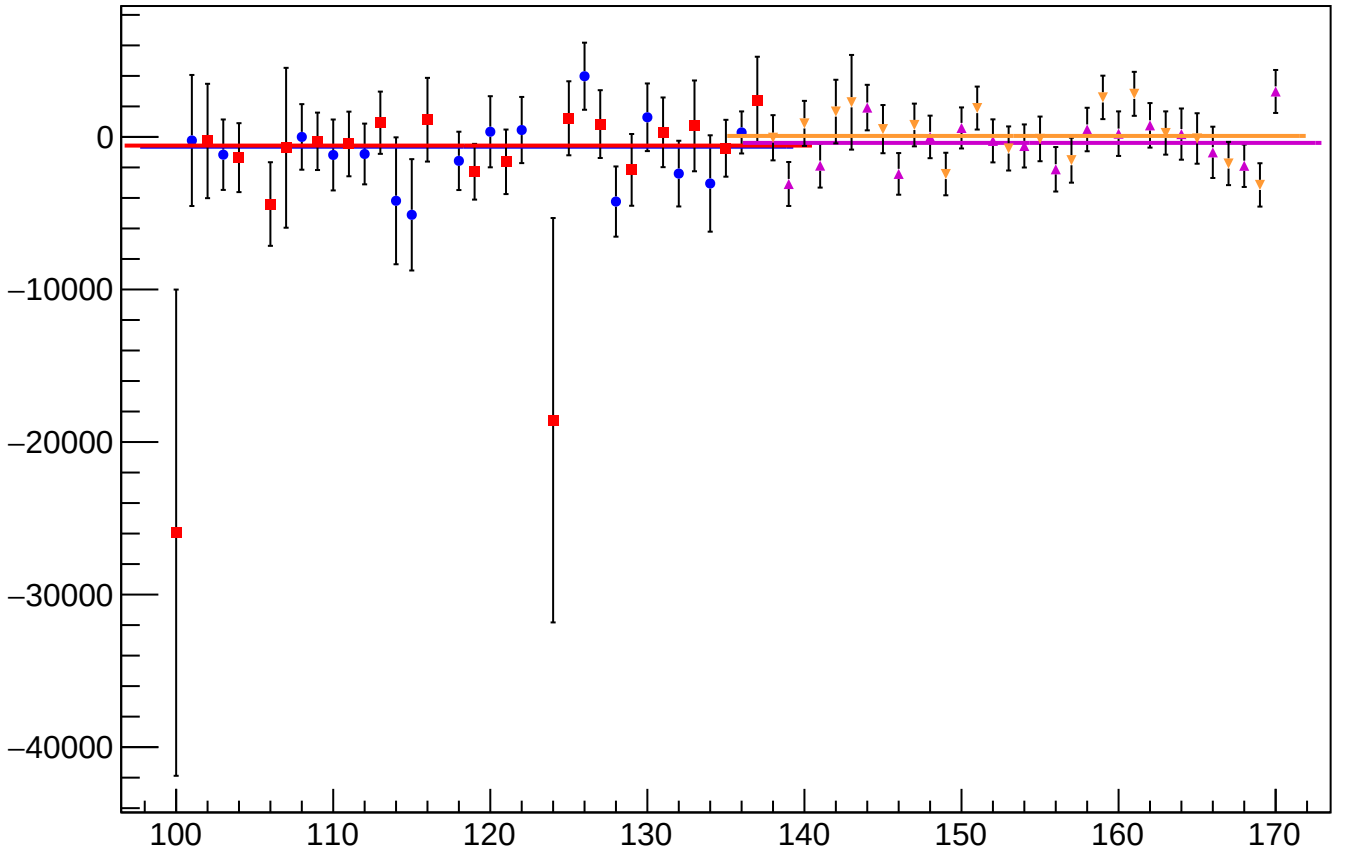
Left: 320.558+/-0.046 χ^2/NDF: 4782708.8/32

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 334.677+/-0.057 χ^2/NDF:6252267.9/31

Out: 335.015+/-0.058 χ^2/NDF:7825856.9/35

All: 334.844+/-0.041 χ^2/NDF: 14078142.2/67



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 65.816+/-367.345 χ^2/NDF:21.7/16

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -391.099+/-361.590 χ^2/NDF:19.5/15

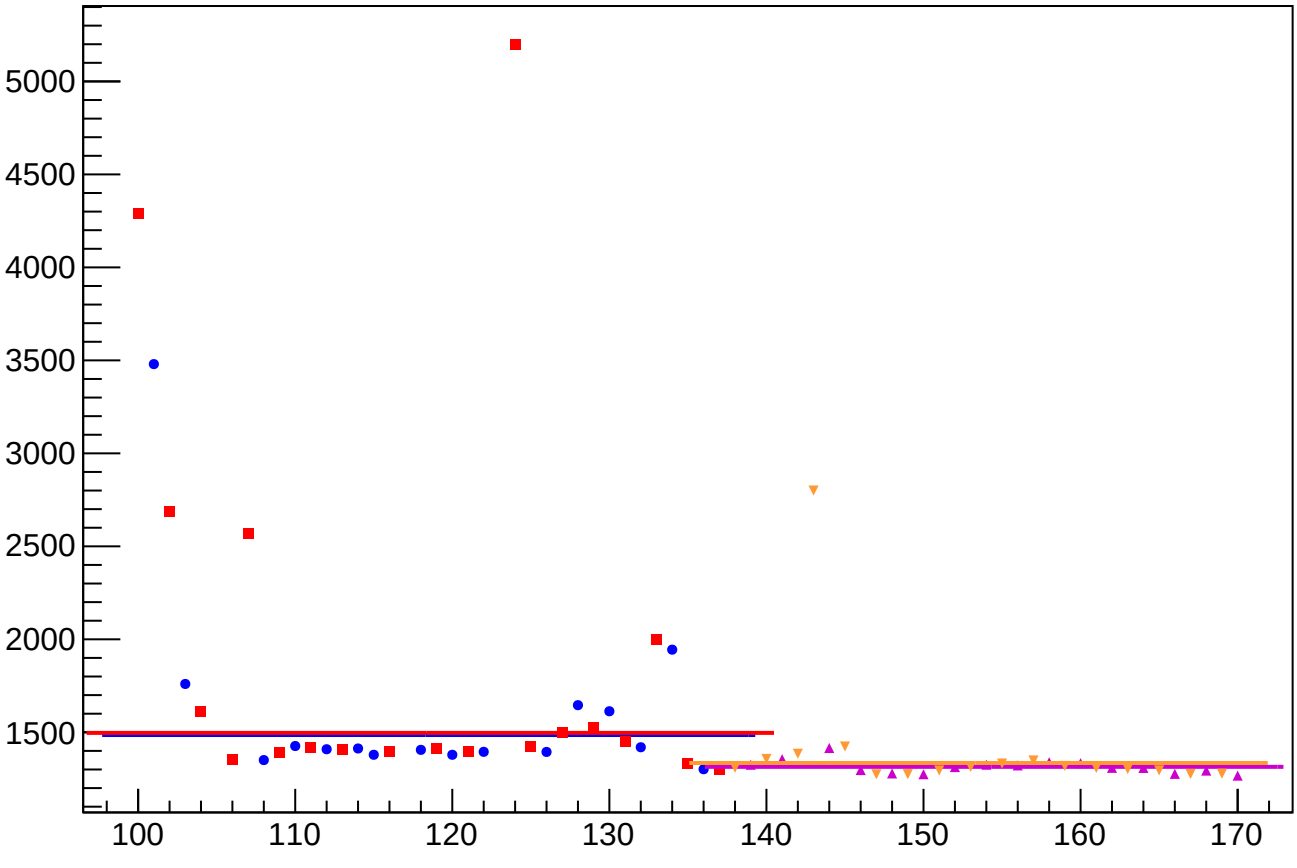
Left: -166.249+/-257.693 χ^2/NDF: 42.0/32

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -463.776+/-304.460 χ^2/NDF:32.2/31

Out: -121.454+/-308.261 χ^2/NDF:33.9/35

All: -294.739+/-216.617 χ^2/NDF: 66.7/67



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1335.043+/-0.260 χ^2/NDF:473907.4/16

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1314.277+/-0.256 χ^2/NDF:19225.9/15

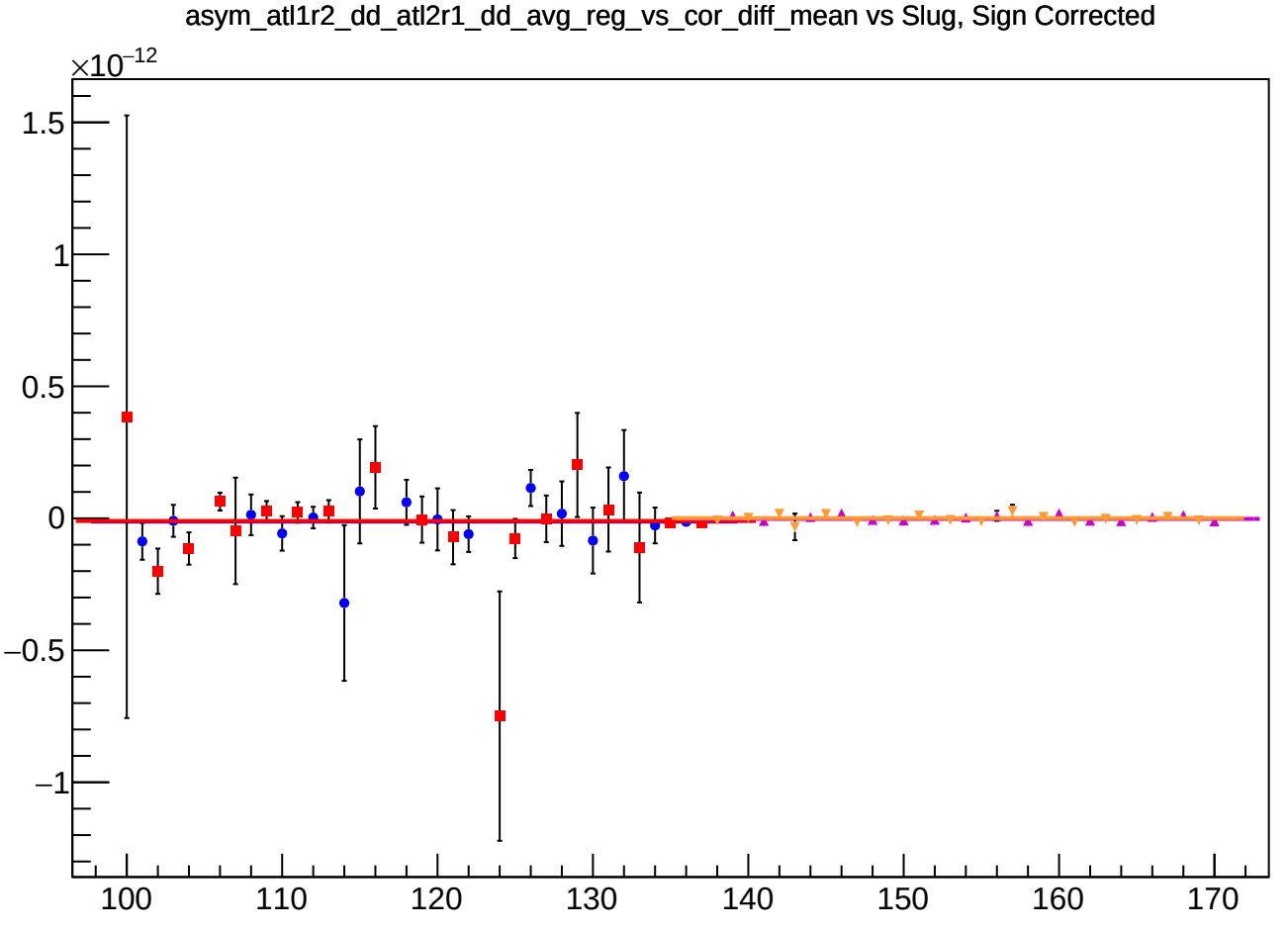
Left: 1324.496+/-0.182 χ^2/NDF: 496379.3/32

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1364.070+/-0.215 χ^2/NDF:734013.7/31

Out: 1382.912+/-0.218 χ^2/NDF:1212010.2/35

All: 1373.374+/-0.153 χ^2/NDF: 1949806.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/15

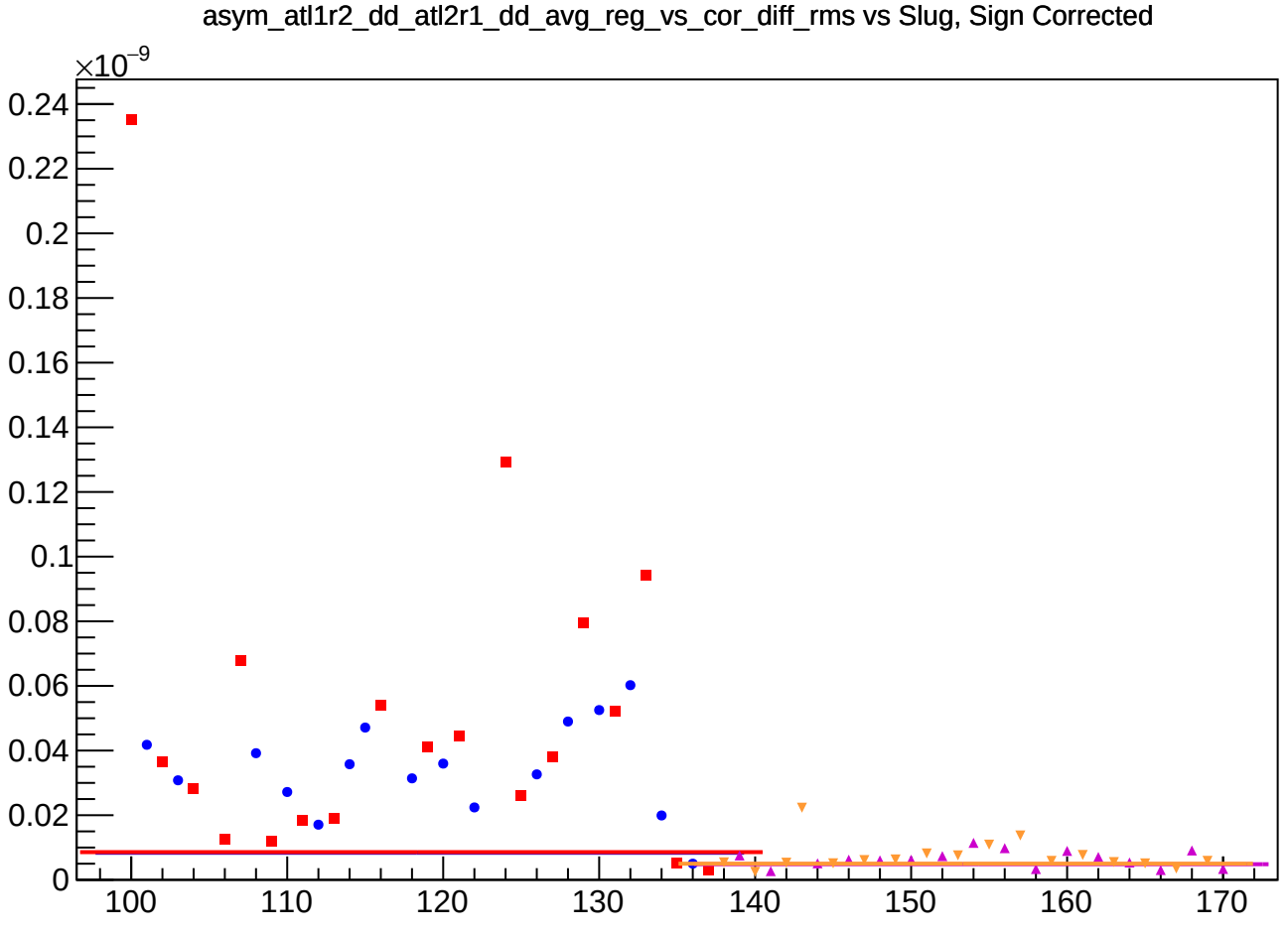
Left: -0.000+/-0.000 χ^2/NDF: 34.2/32

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:39.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1774661.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1687671.3/15

Left: 0.000+/-0.000 χ^2/NDF: 3466827.7/32

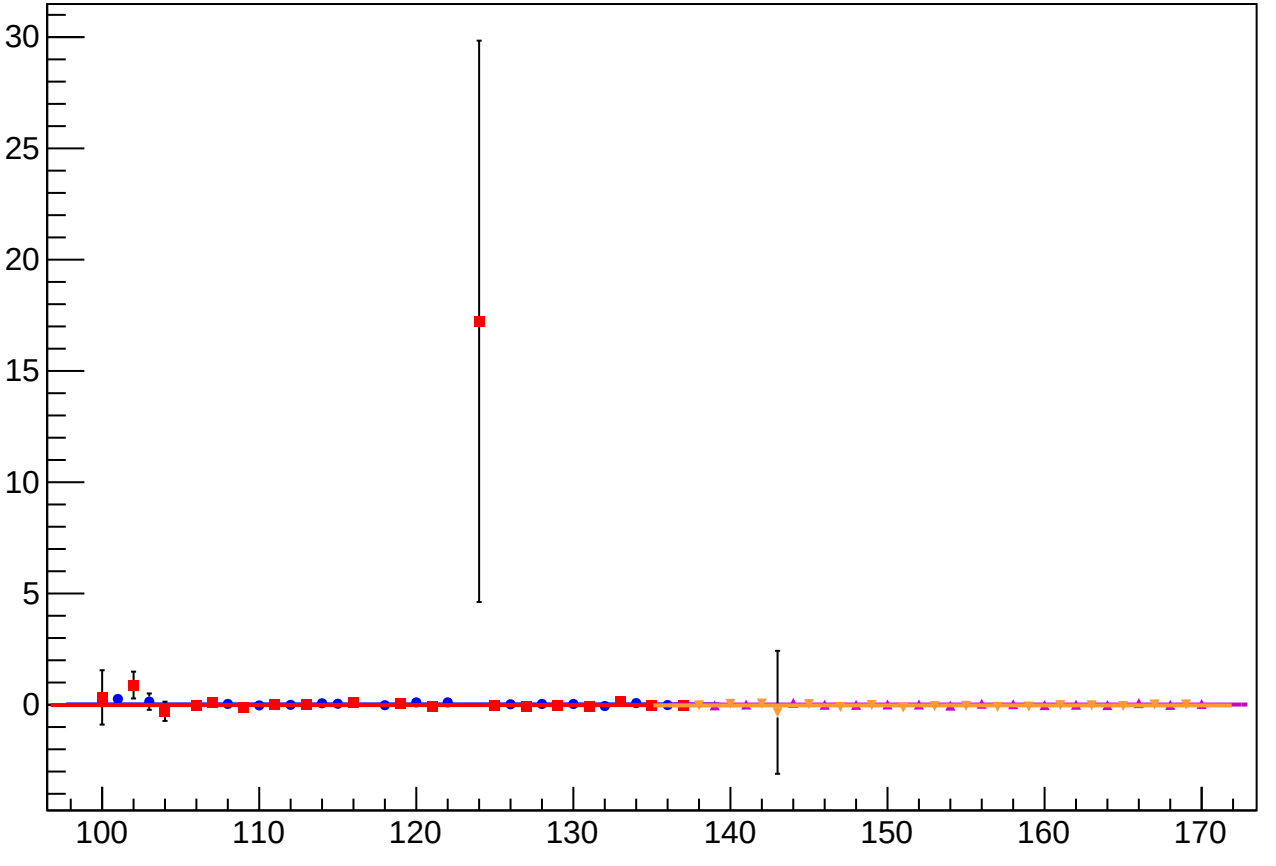
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159743.8/31

Out: 0.000+/-0.000 χ^2/NDF:5490776.8/35

All: 0.000+/-0.000 χ^2/NDF: 10653246.2/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

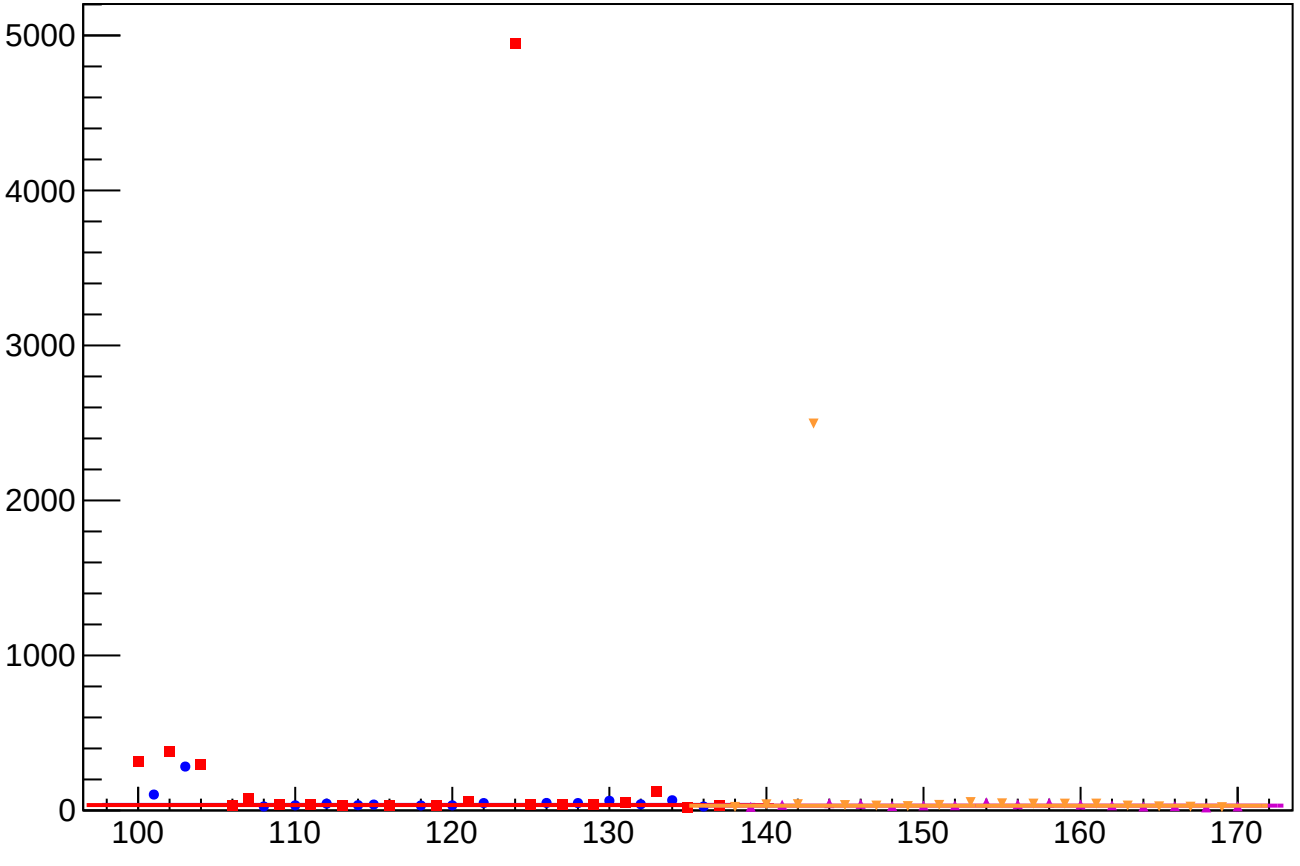
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.1/67

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: 30.761+/-0.007 χ^2/NDF:3203512.0/16

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

Left: 30.961+/-0.005 χ^2/NDF: 4868091.0/32

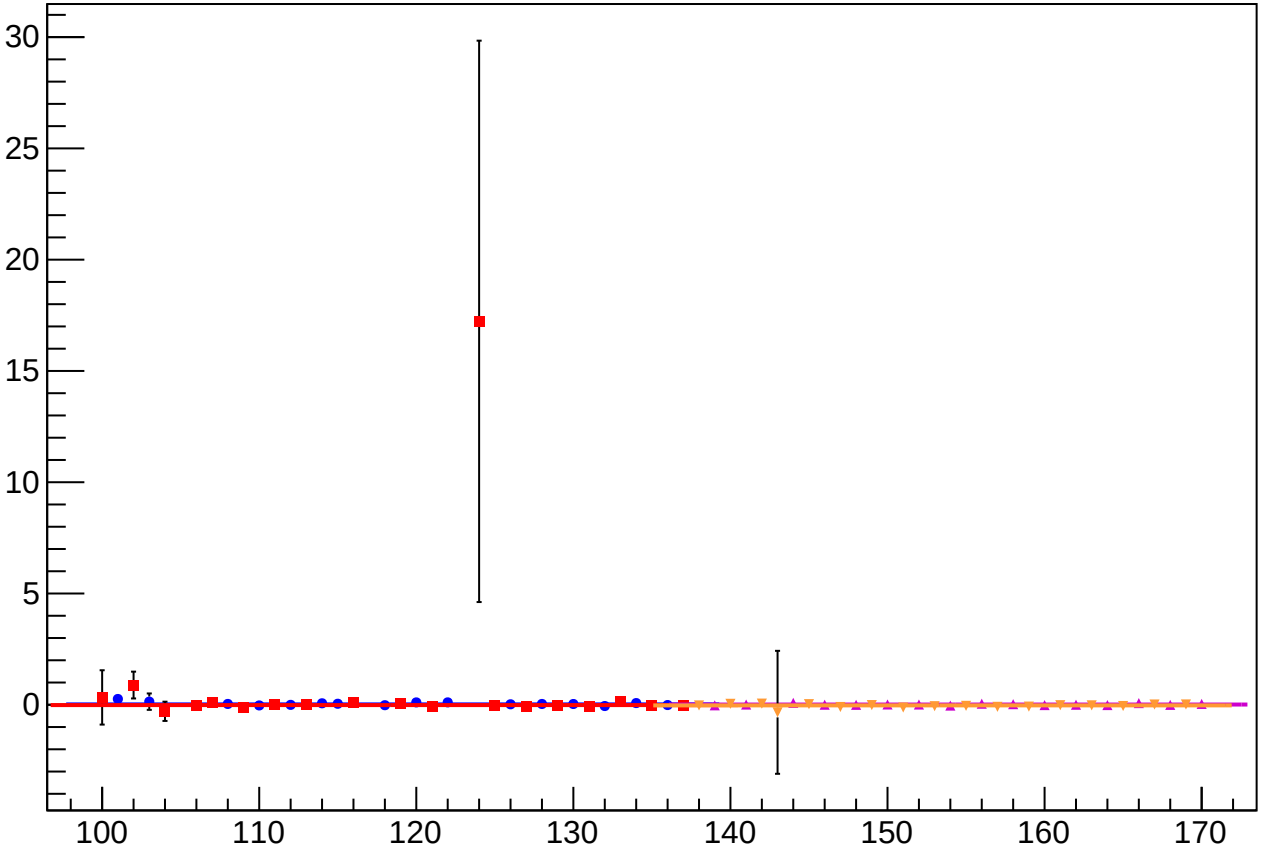
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 31.867+/-0.006 χ^2/NDF:6214561.7/35

All: 32.148+/-0.004 χ^2/NDF: 10274342.7/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

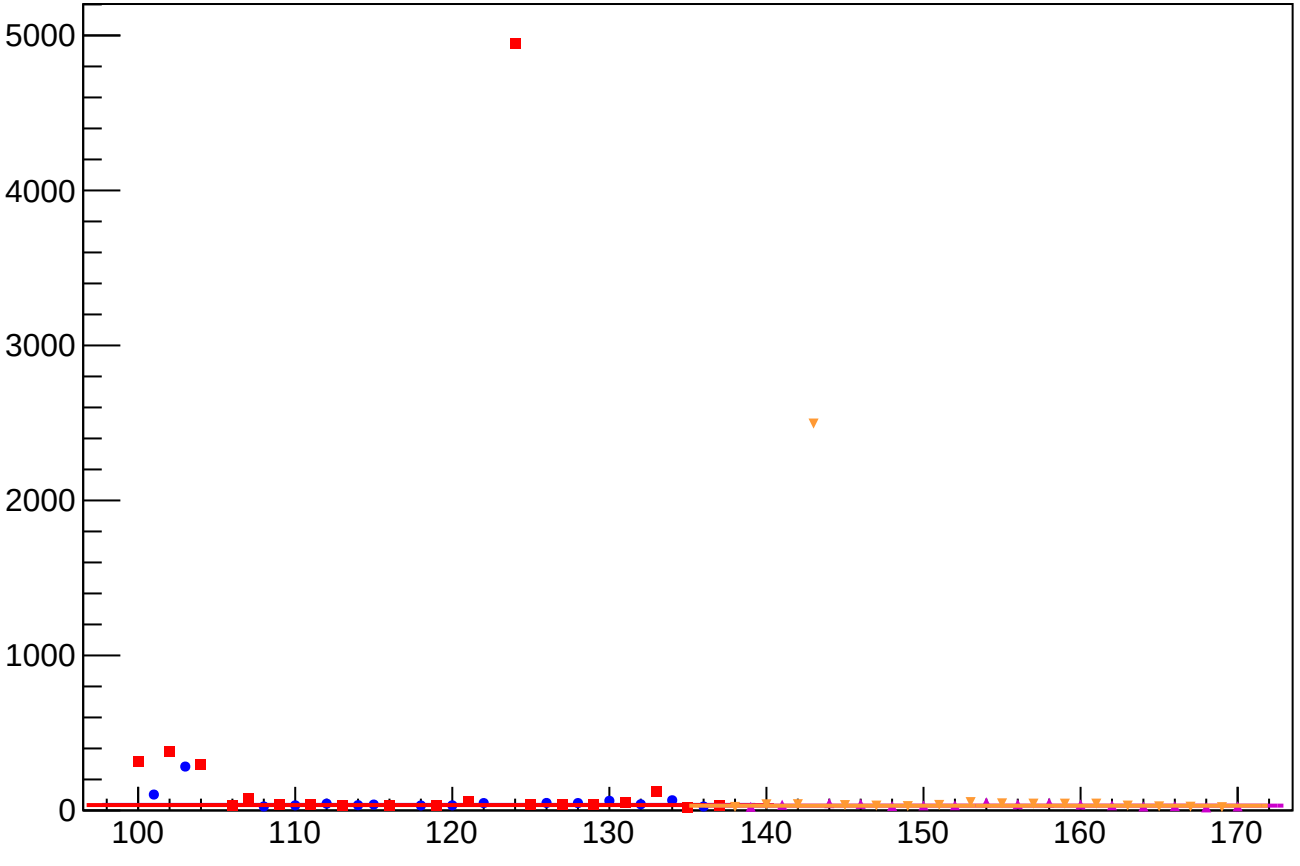
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.1/67

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: 30.761+/-0.007 χ^2/NDF:3203512.0/16

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

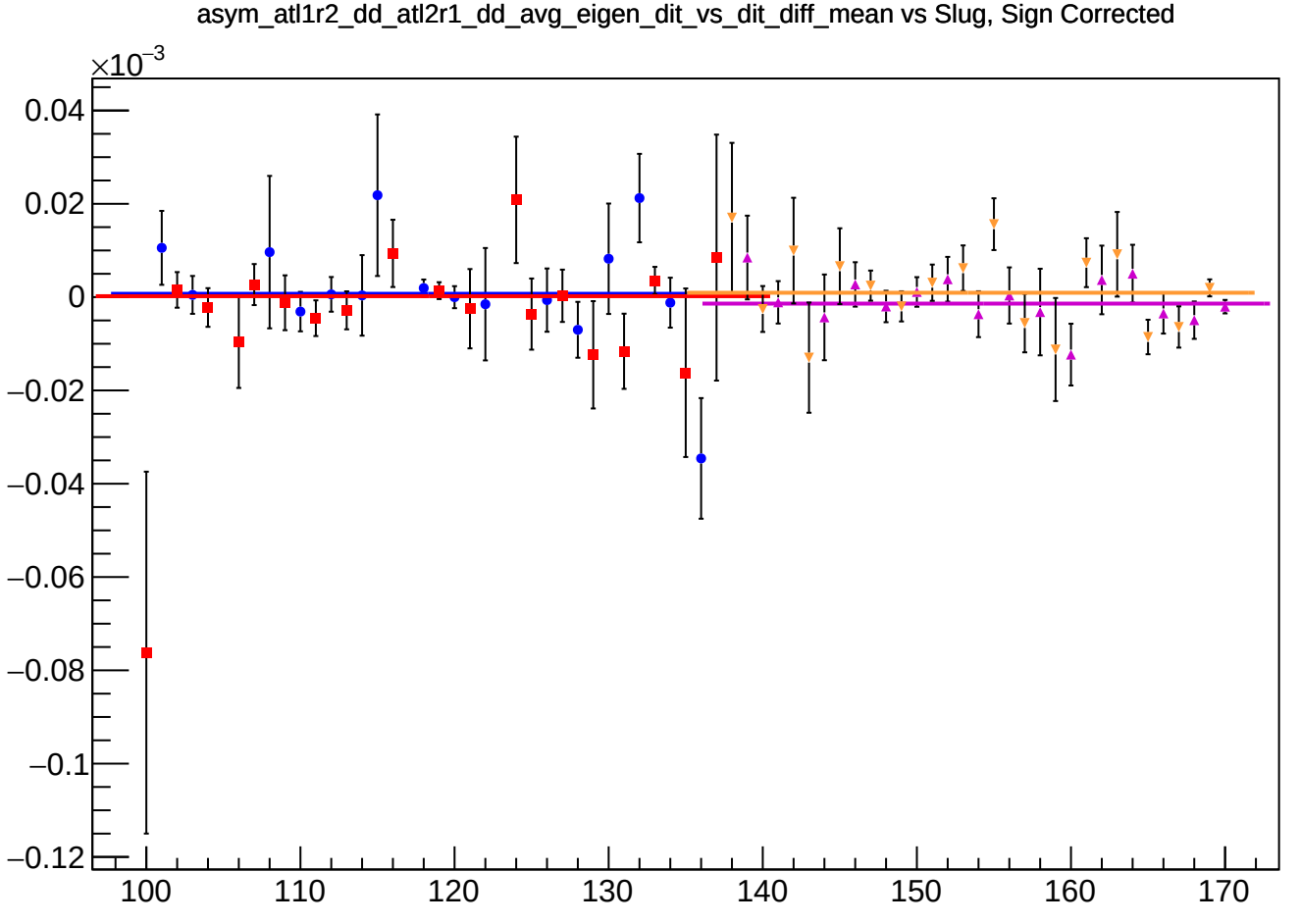
Left: 30.961+/-0.005 χ^2/NDF: 4868091.0/32

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 31.867+/-0.006 χ^2/NDF:6214561.7/35

All: 32.148+/-0.004 χ^2/NDF: 10274342.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/15

Left: -0.000+/-0.000 χ^2/NDF: 40.2/32

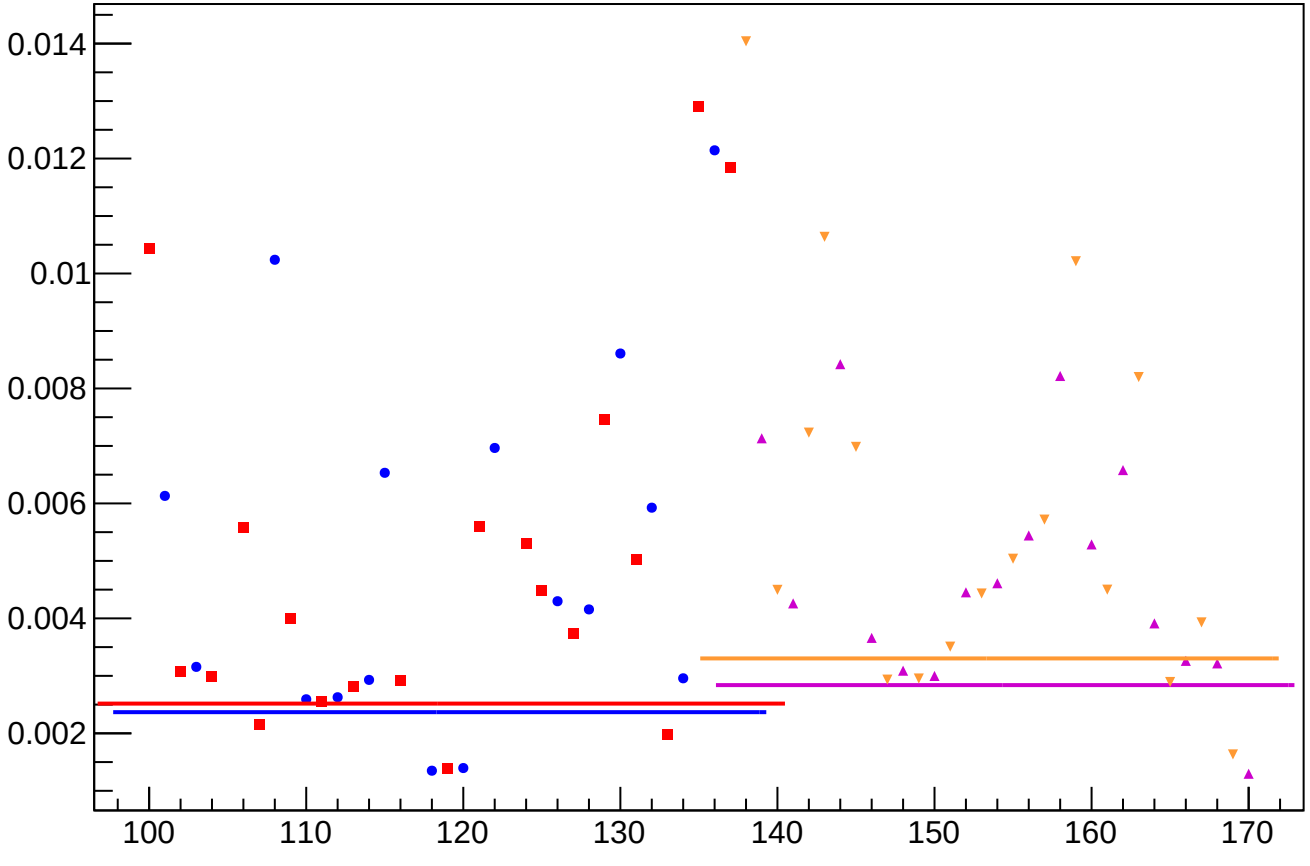
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:46.1/35

All: 0.000+/-0.000 χ^2/NDF: 78.1/67

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:6298023.5/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6167921.6/15

Left: 0.003+/-0.000 χ^2/NDF: 12680239.2/32

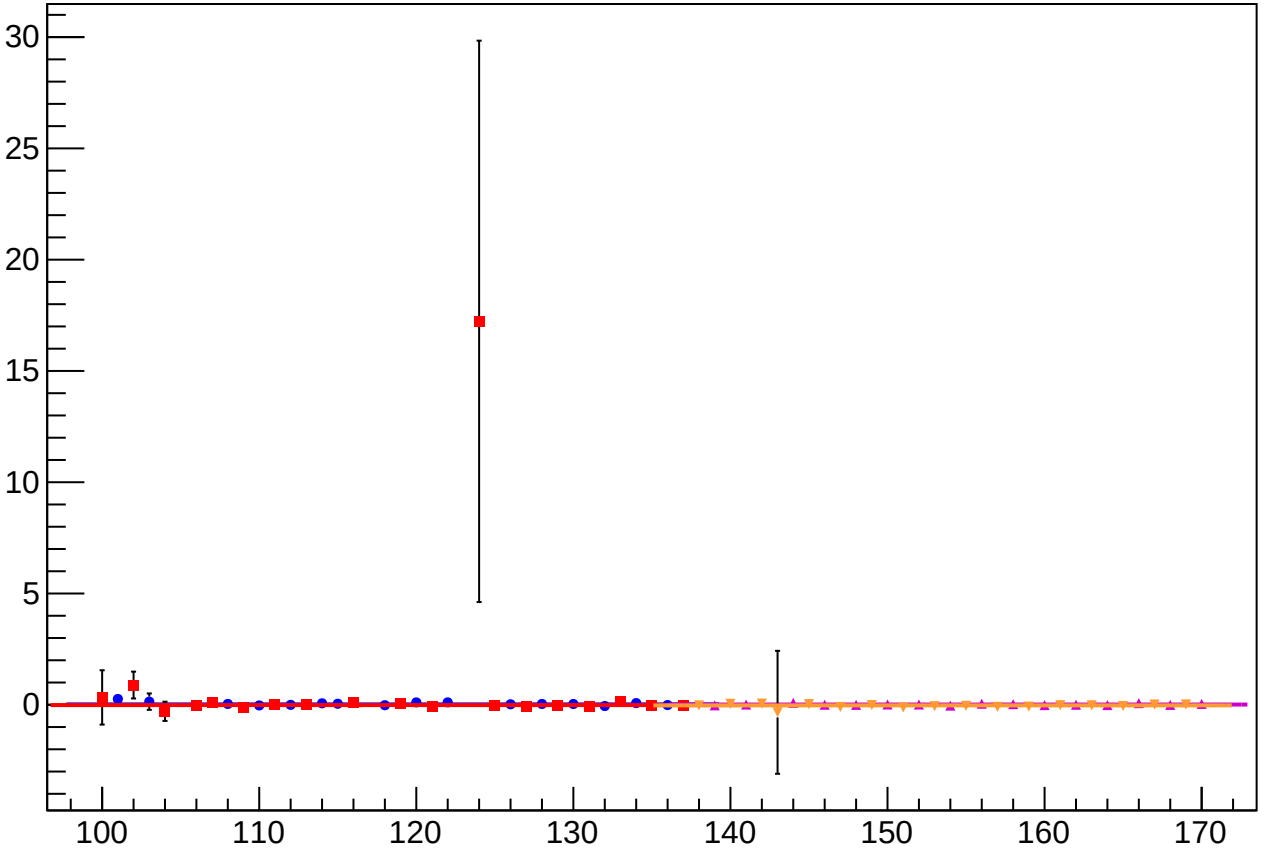
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11096704.6/31

Out: 0.003+/-0.000 χ^2/NDF:10250252.7/35

All: 0.003+/-0.000 χ^2/NDF: 21491664.6/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

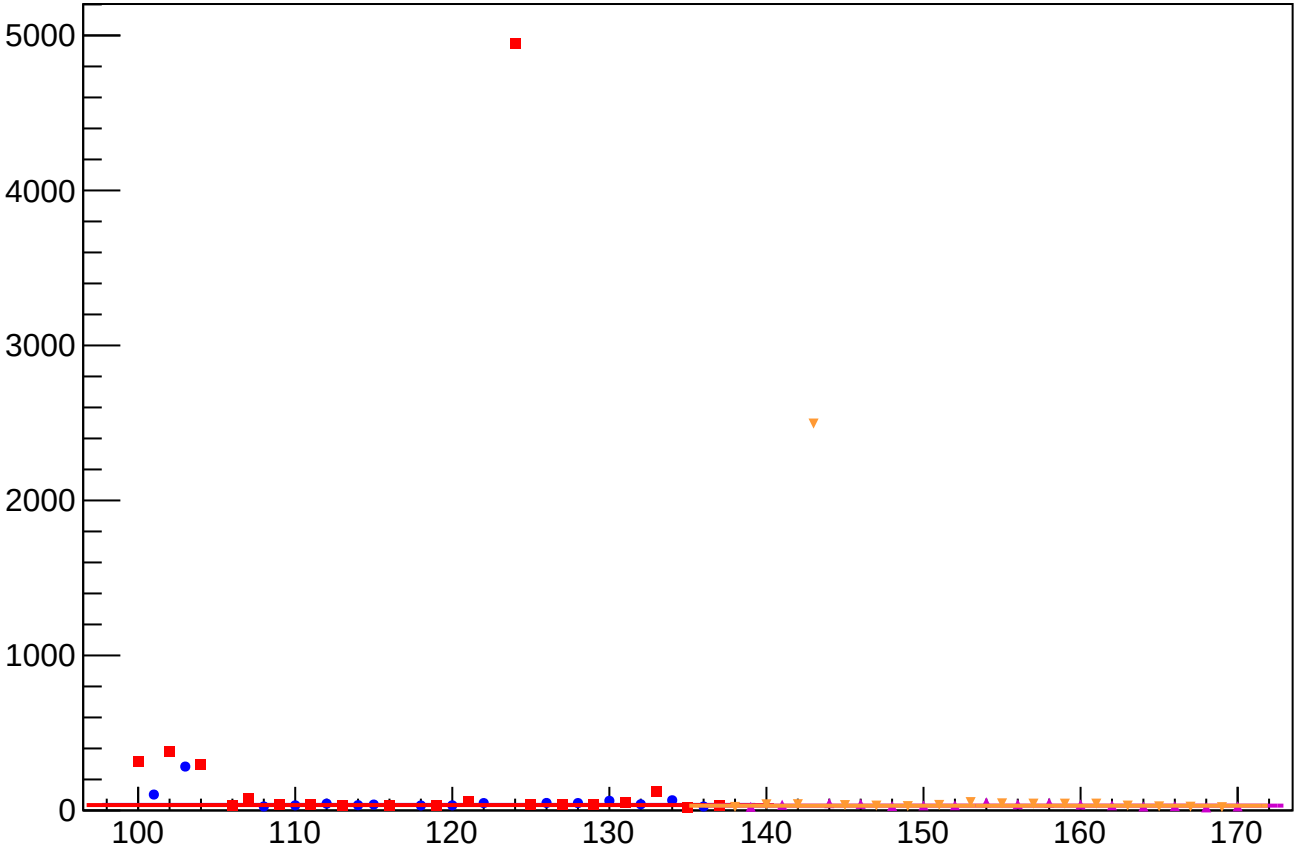
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.2/67

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: 30.761+/-0.007 χ^2/NDF:3203776.3/16

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

Left: 30.960+/-0.005 χ^2/NDF: 4868908.7/32

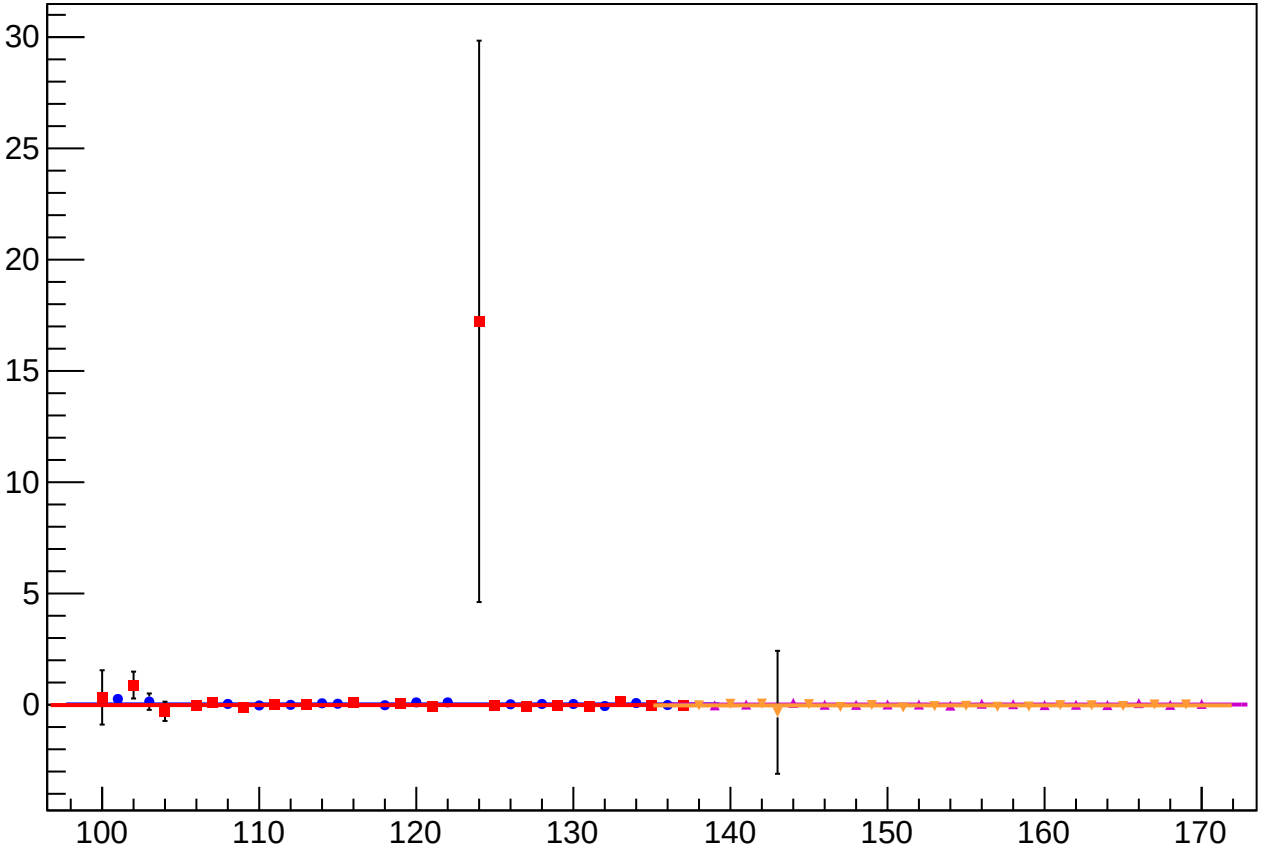
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 31.867+/-0.006 χ^2/NDF:6214704.1/35

All: 32.148+/-0.004 χ^2/NDF: 10274911.2/67

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:23.4/16

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.1/32

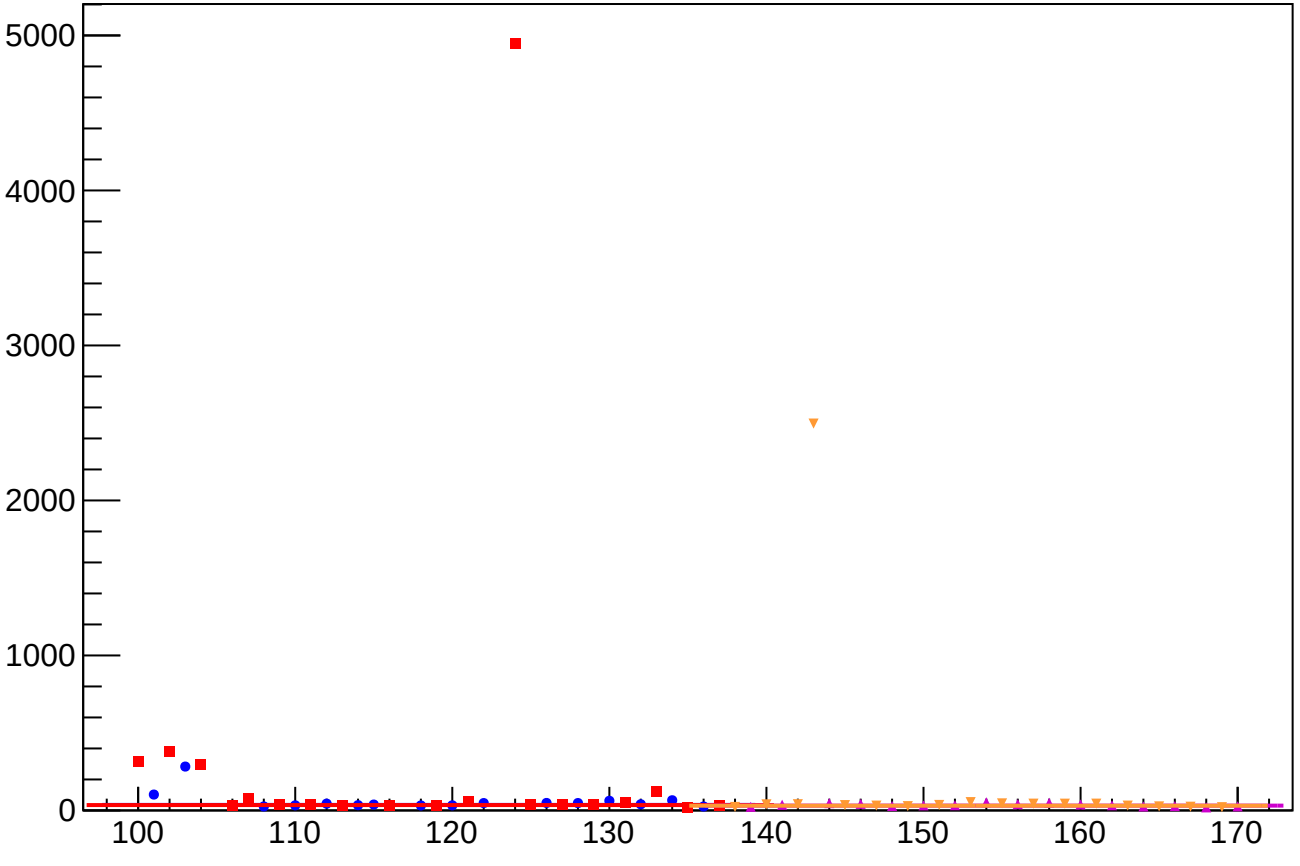
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/35

All: -0.005+/-0.006 χ^2/NDF: 71.2/67

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: 30.761+/-0.007 χ^2/NDF:3203776.3/16

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

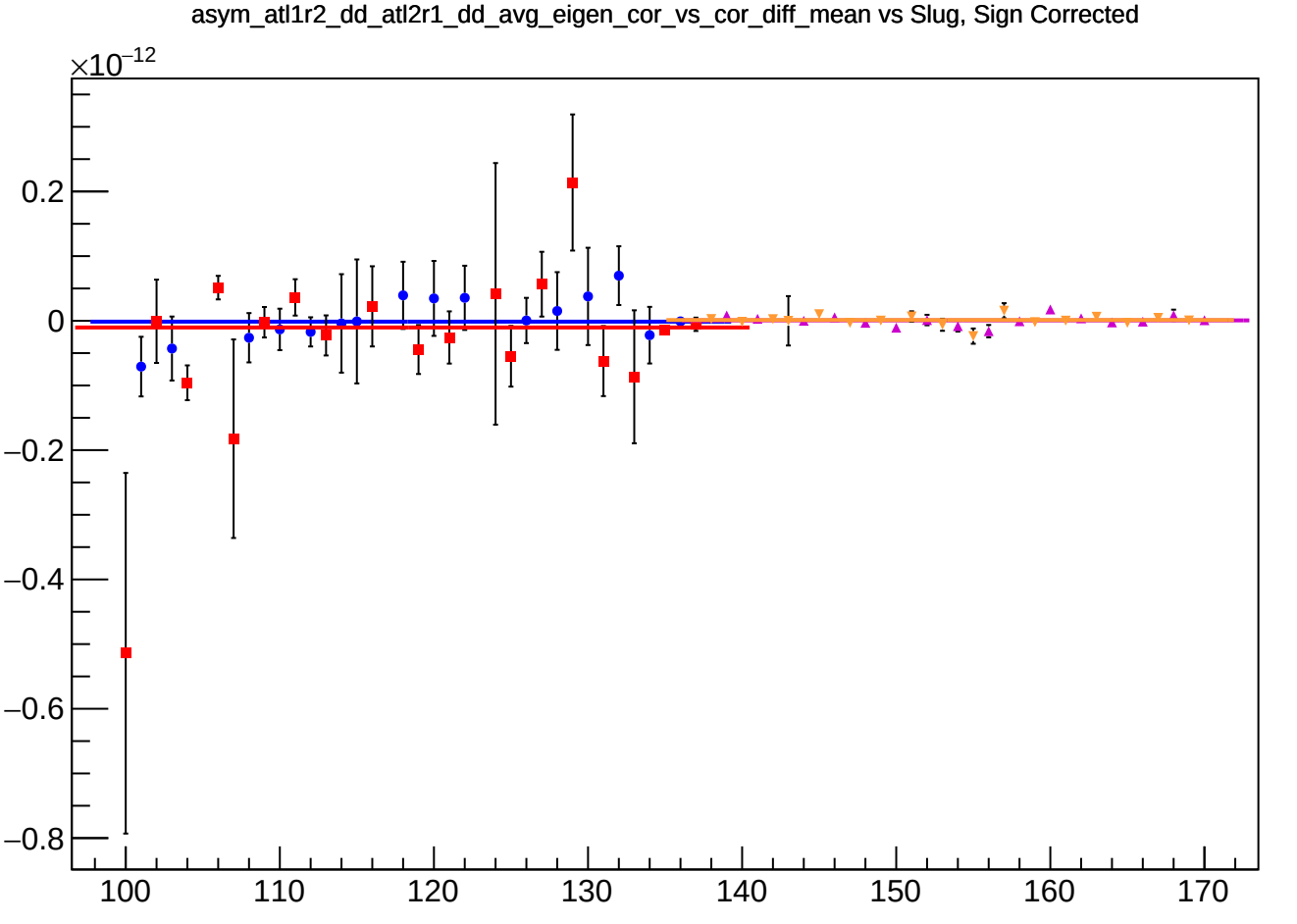
Left: 30.960+/-0.005 χ^2/NDF: 4868908.7/32

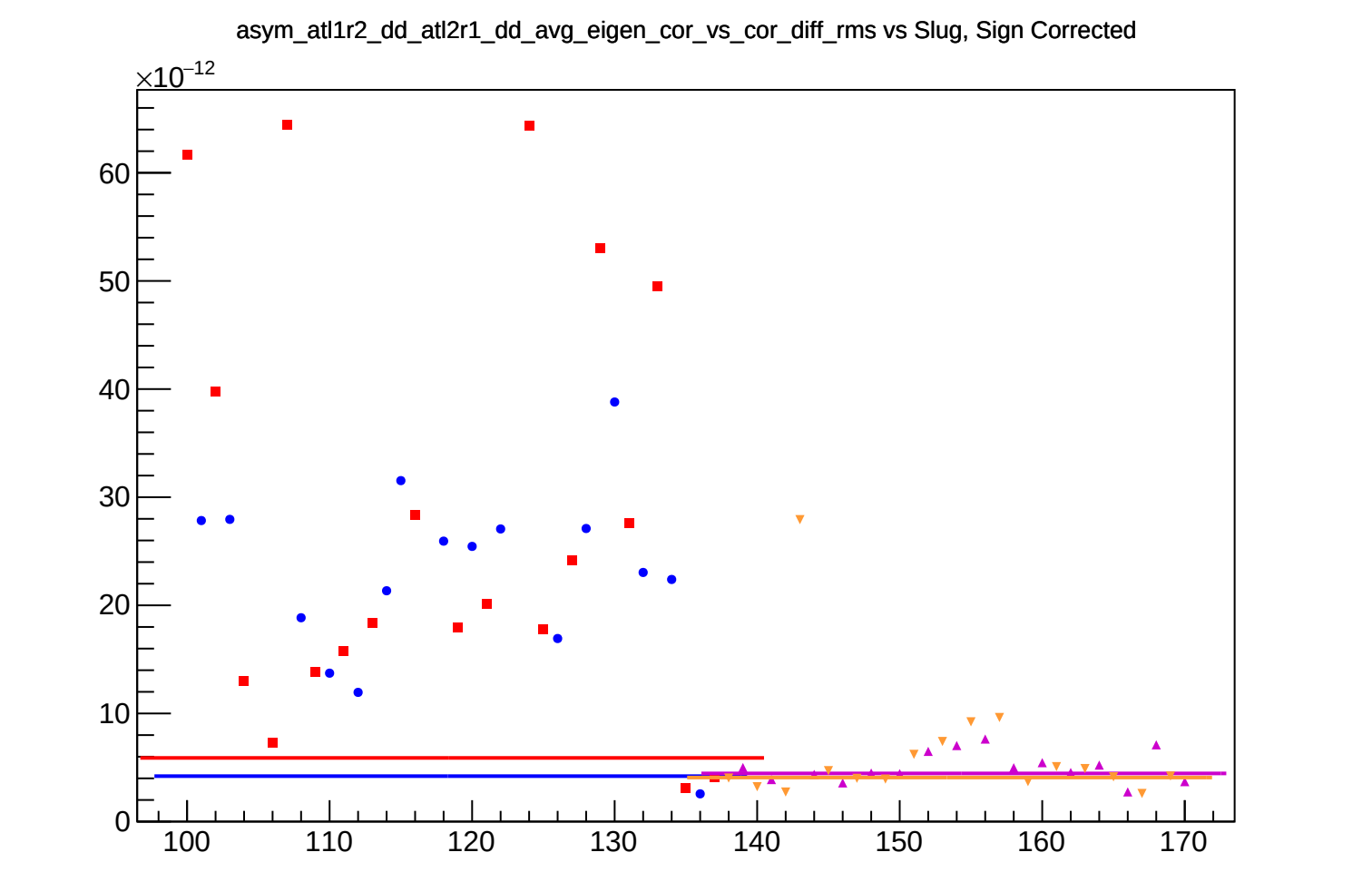
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

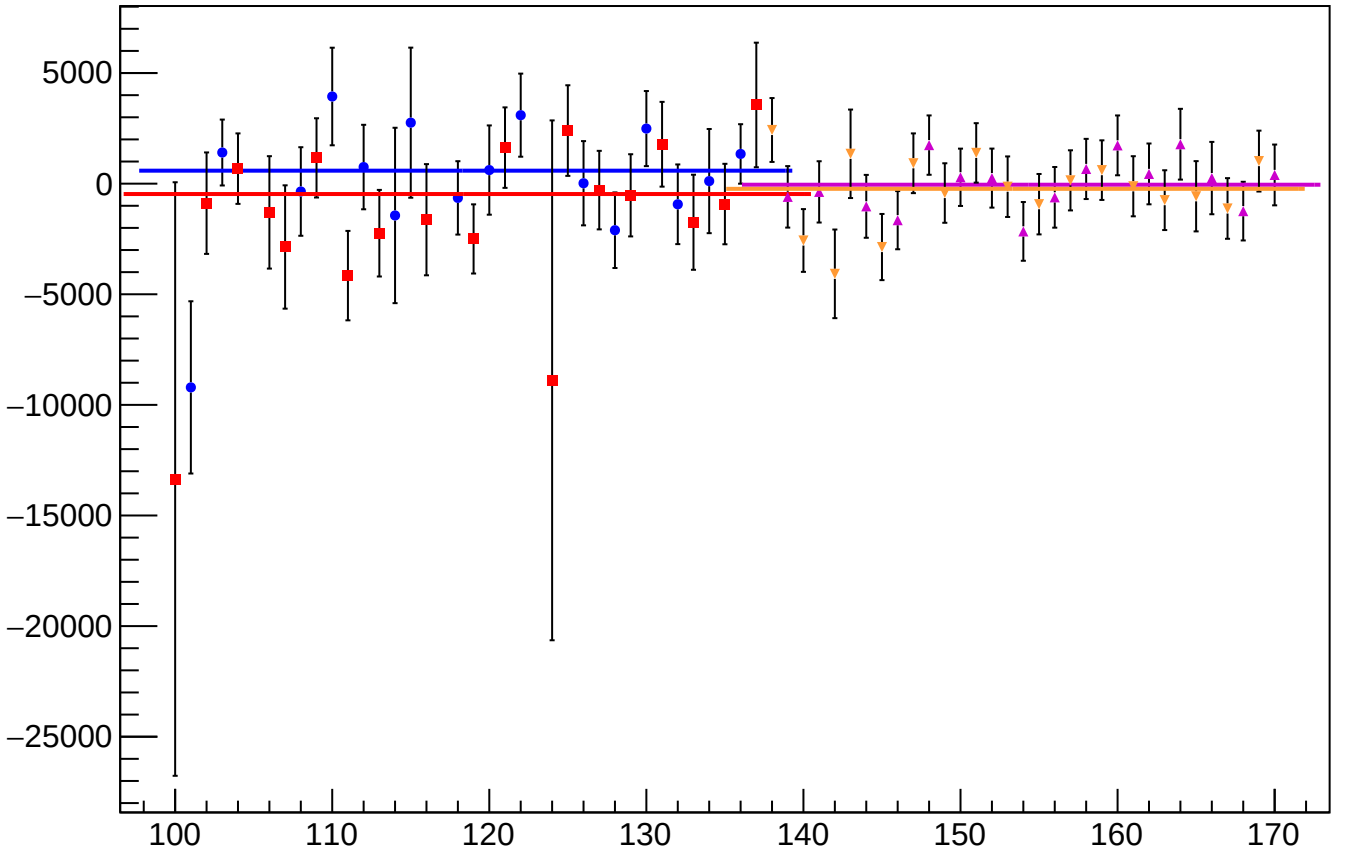
In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 31.867+/-0.006 χ^2/NDF:6214704.1/35

All: 32.148+/-0.004 χ^2/NDF: 10274911.2/67


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12.7/16
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/15
Left: 0.000+/-0.000 χ²/NDF: 31.1/32
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:27.2/31
Out: -0.000+/-0.000 χ²/NDF:59.3/35
All: 0.000+/-0.000 χ²/NDF: 86.6/67


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2658879.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1293633.0/15
Left: 0.000+/-0.000 χ²/NDF: 4020155.3/32
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:6382916.2/31
Out: 0.000+/-0.000 χ²/NDF:7857474.8/35
All: 0.000+/-0.000 χ²/NDF: 14252246.9/67



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.092+/-347.367 χ^2/NDF:17.9/16

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -48.296+/-344.934 χ^2/NDF:11.2/15

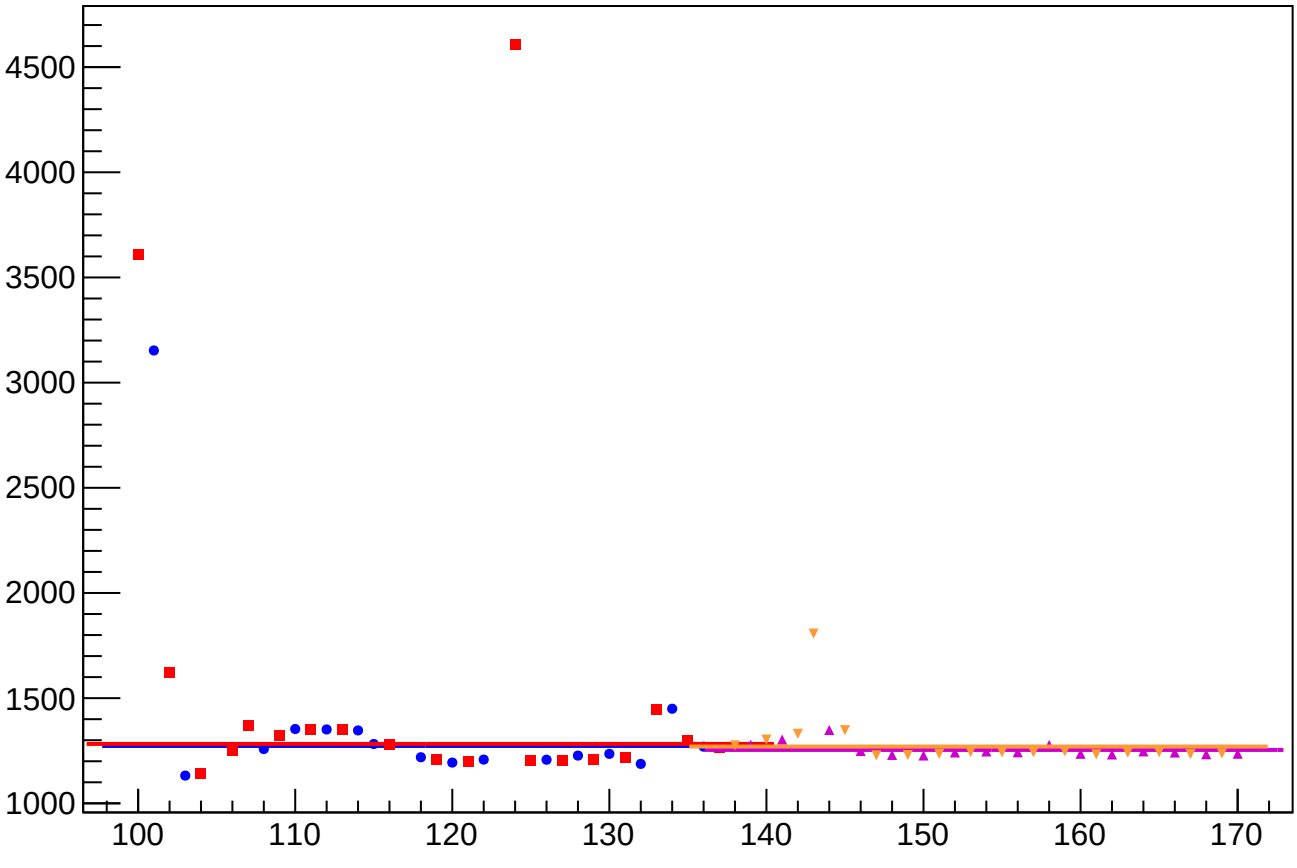
Left: -140.542+/-244.761 χ^2/NDF: 29.2/32

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 166.588+/-280.591 χ^2/NDF:29.4/31

Out: -314.723+/-281.512 χ^2/NDF:34.9/35

All: -73.279+/-198.733 χ^2/NDF: 65.8/67



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

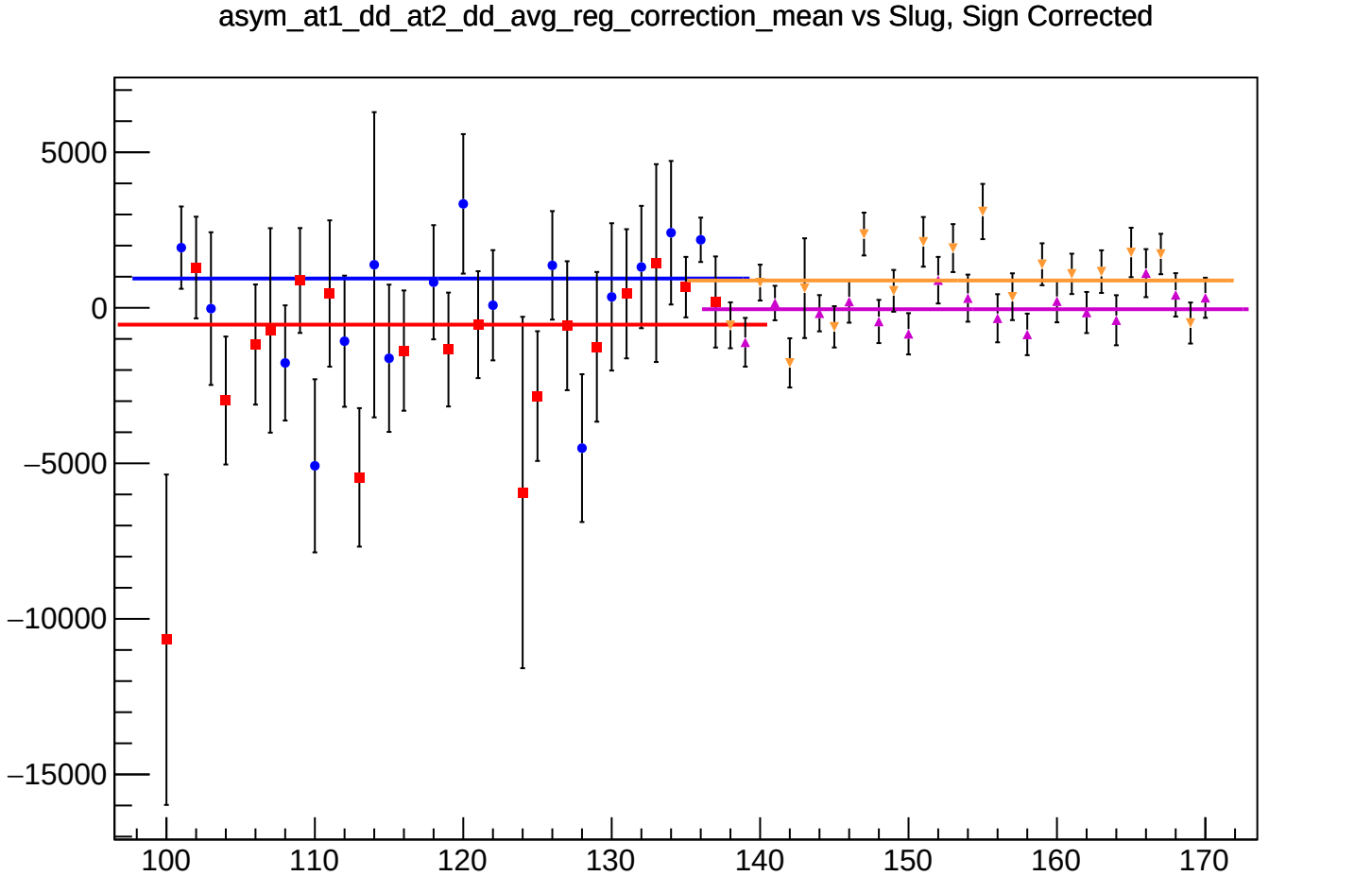
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

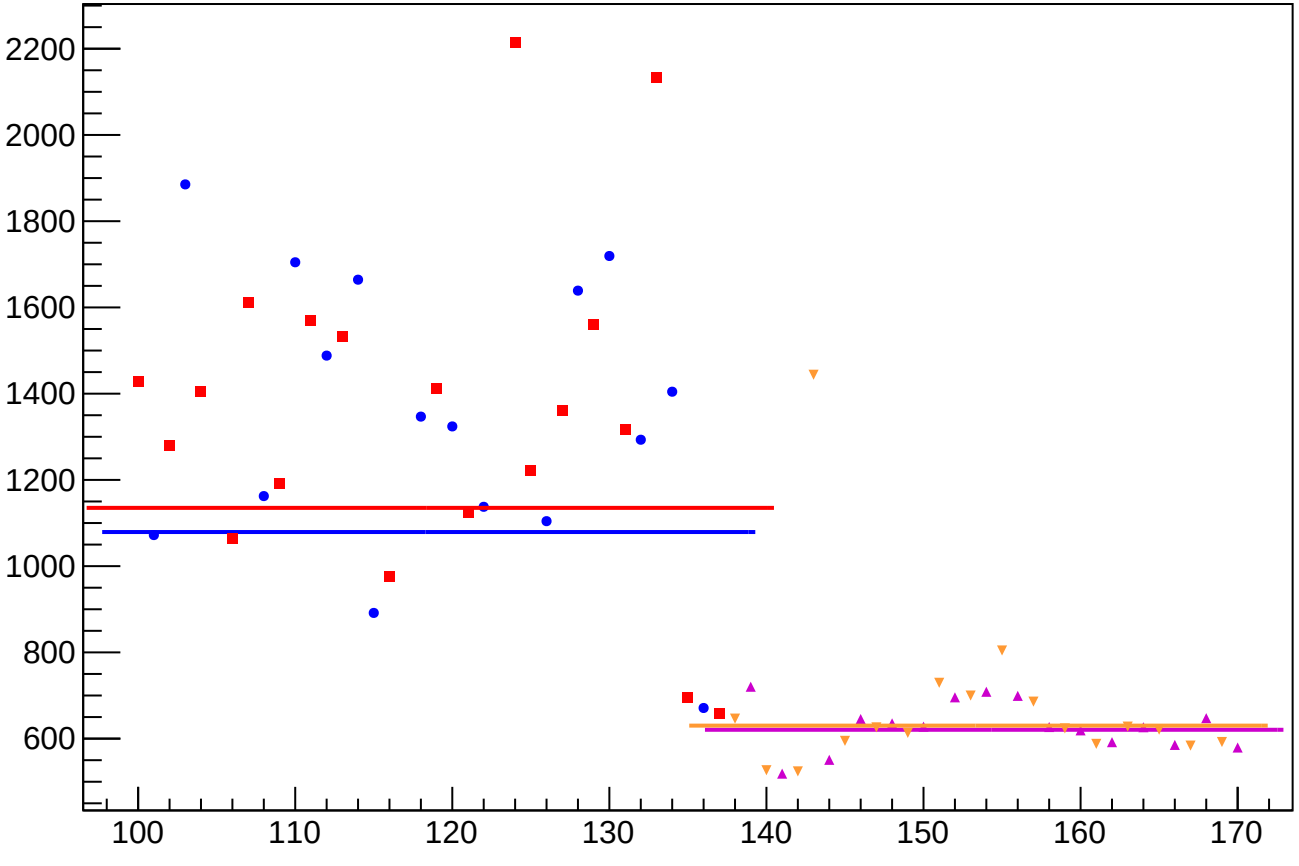
In: 1260.268+/-0.198 χ^2/NDF:537681.5/31

Out: 1274.165+/-0.199 χ^2/NDF:488866.0/35

All: 1267.194+/-0.141 χ^2/NDF: 1028992.3/67


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 878.484+/-174.941 χ²/NDF:44.2/16
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -45.247+/-171.719 χ²/NDF:10.7/15
Left: 408.034+/-122.547 χ²/NDF: 69.0/32
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 92.803+/-159.258 χ²/NDF:35.2/31
Out: 684.700+/-162.559 χ²/NDF:70.3/35
All: 382.682+/-113.762 χ²/NDF: 112.3/67

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: 630.159+/-0.124 χ^2/NDF:784478.4/16

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 620.511+/-0.121 χ^2/NDF:219548.1/15

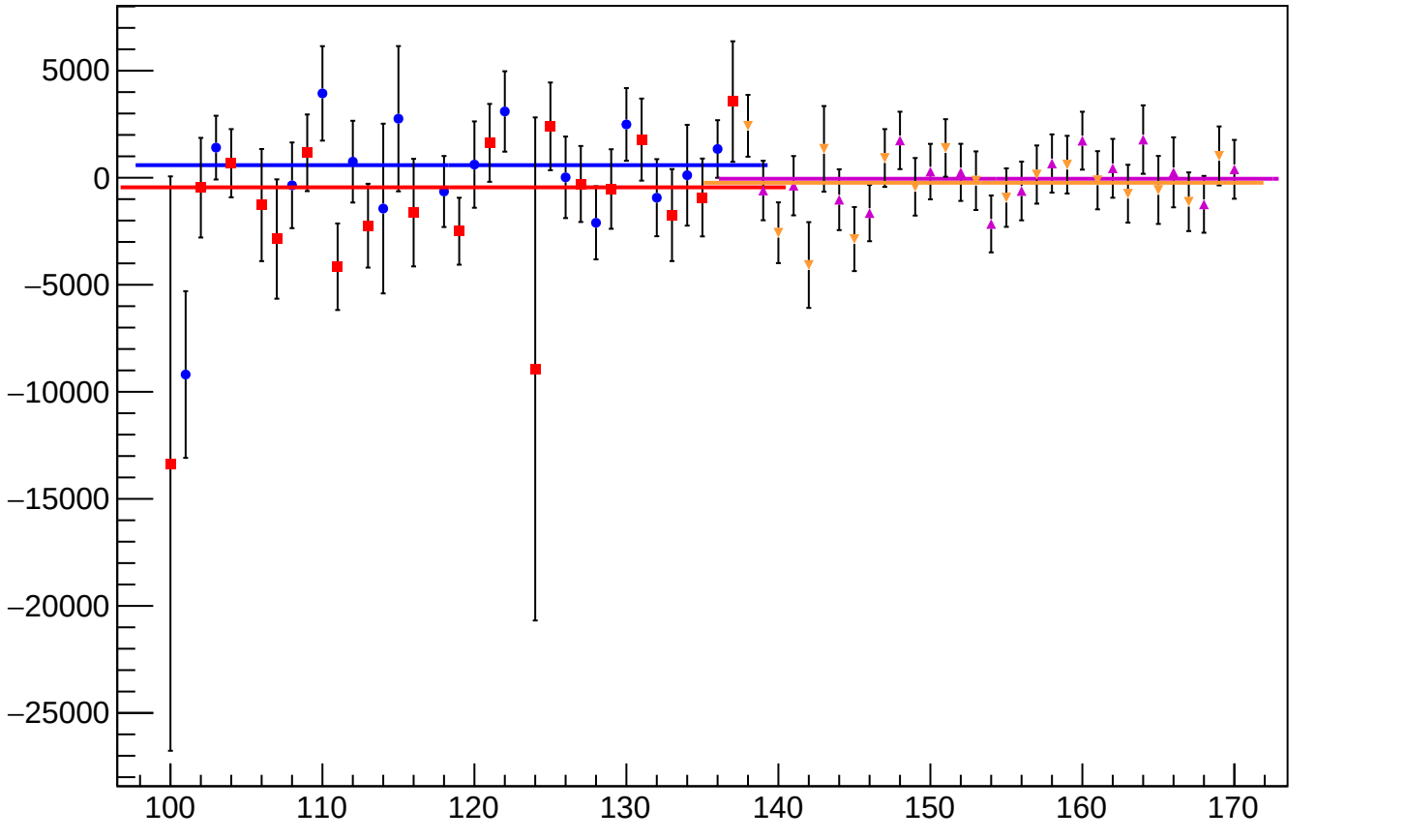
Left: 625.245+/-0.087 χ^2/NDF: 1007124.7/32

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 684.655+/-0.113 χ^2/NDF:3697012.4/31

Out: 699.119+/-0.115 χ^2/NDF:4353355.9/35

All: 691.739+/-0.080 χ^2/NDF: 8058447.1/67



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.182+/-347.367 χ^2/NDF:17.9/16

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -48.349+/-344.934 χ^2/NDF:11.2/15

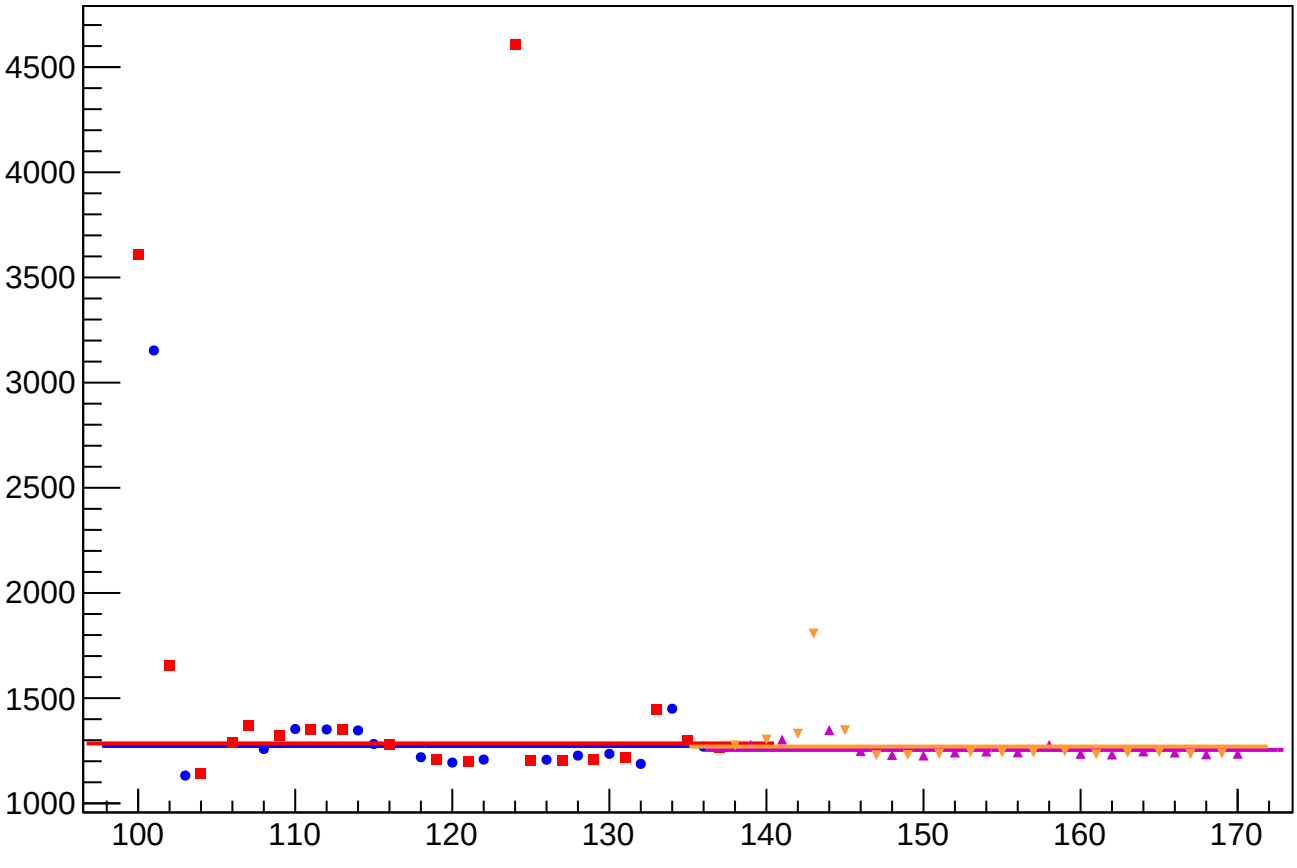
Left: -140.613+/-244.761 χ^2/NDF: 29.2/32

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -307.547+/-281.676 χ^2/NDF:34.8/35

All: -69.528+/-198.790 χ^2/NDF: 65.6/67



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

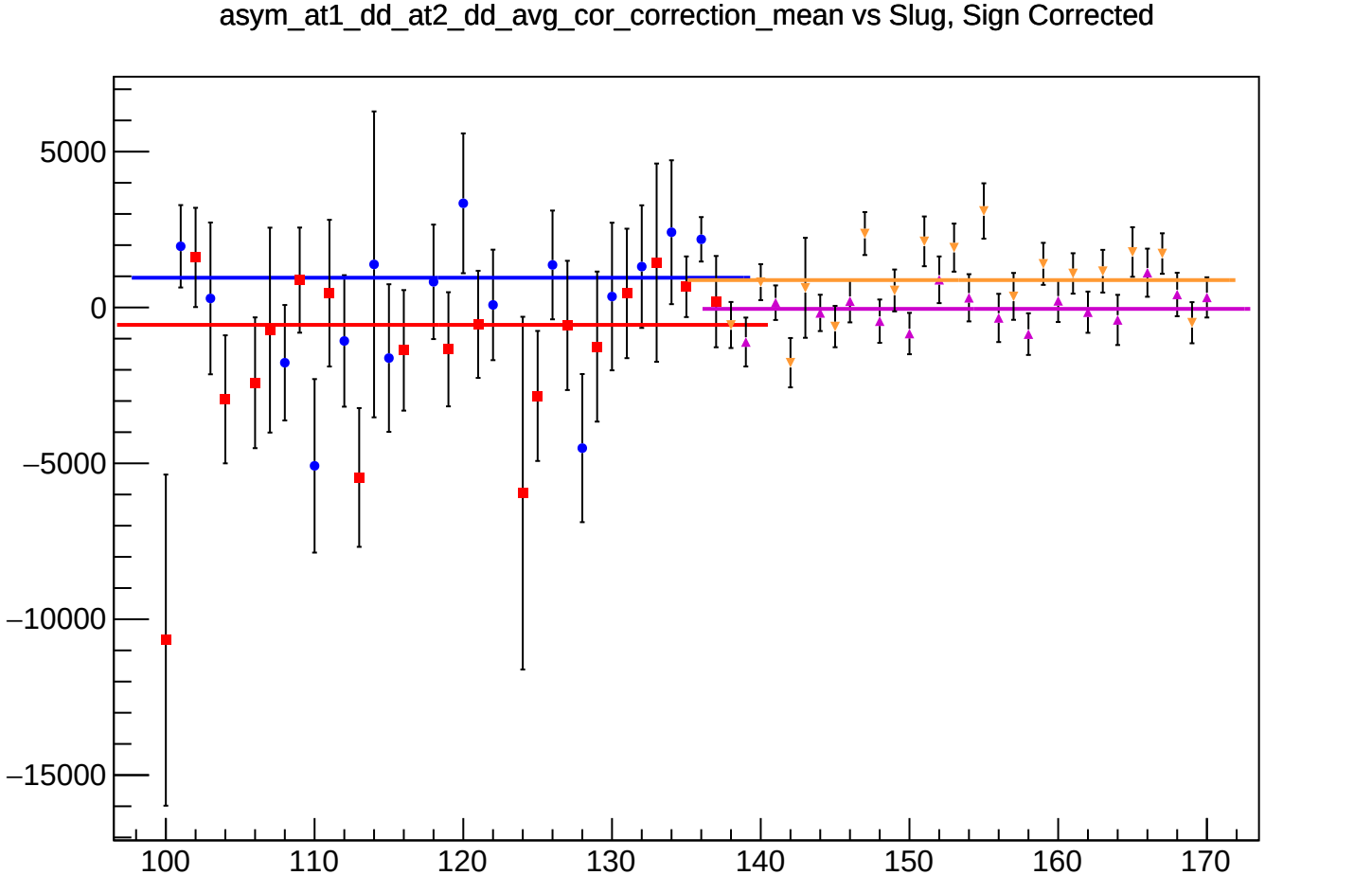
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1274.940+/-0.199 χ^2/NDF:495874.5/35

All: 1267.576+/-0.141 χ^2/NDF: 1036280.8/67



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 878.469+/-174.943 χ^2/NDF:44.2/16

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -45.226+/-171.718 χ^2/NDF:10.7/15

Left: 408.031+/-122.547 χ^2/NDF: 69.0/32

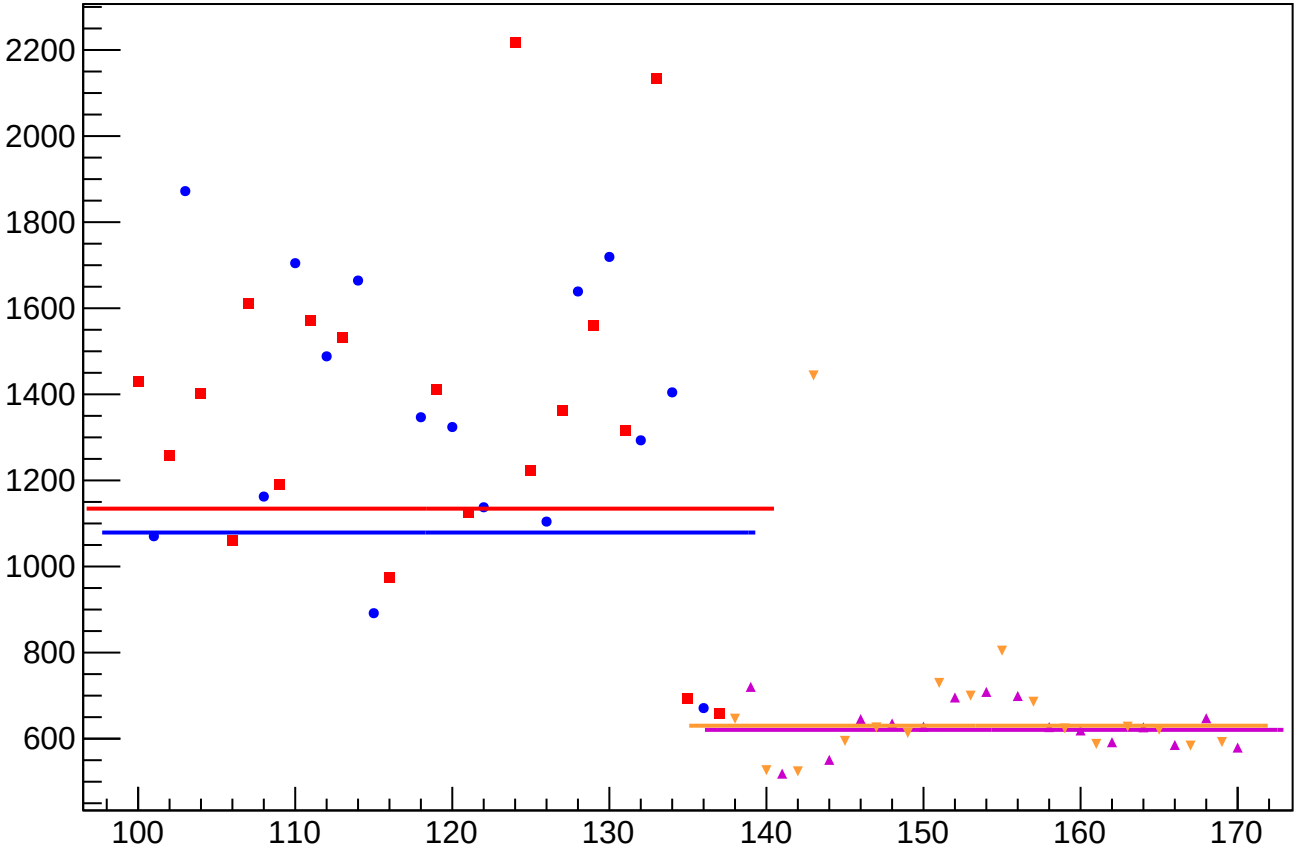
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 94.652+/-159.248 χ^2/NDF:35.3/31

Out: 682.976+/-162.603 χ^2/NDF:71.7/35

All: 382.683+/-113.773 χ^2/NDF: 113.7/67

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: 630.165+/-0.124 χ^2/NDF:784386.8/16

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

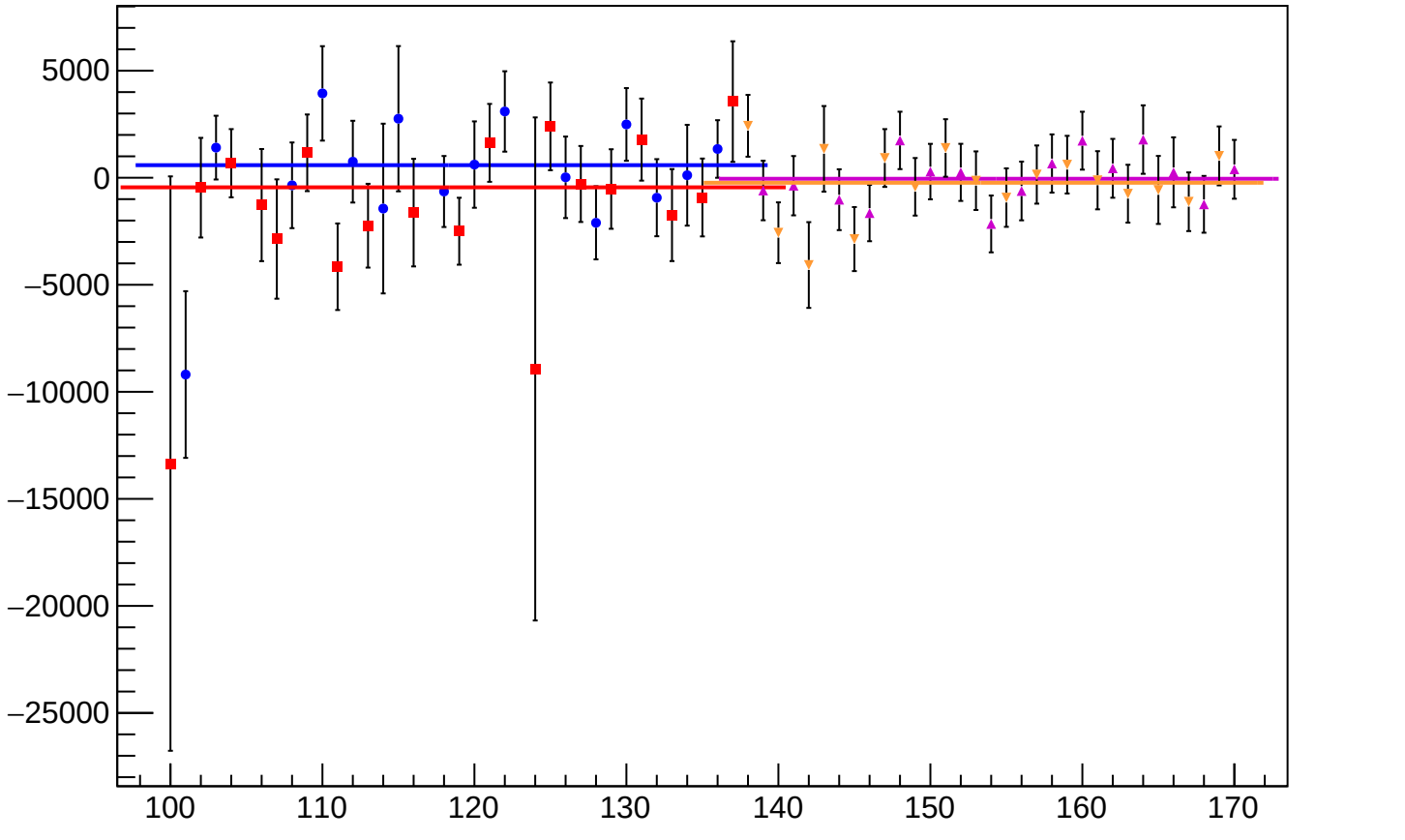
Left: 625.246+/-0.087 χ^2/NDF: 1007074.4/32

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 698.795+/-0.115 χ^2/NDF:4334844.8/35

All: 691.585+/-0.080 χ^2/NDF: 8035912.8/67



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -234.182+/-347.367 χ^2/NDF:17.9/16

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -48.349+/-344.934 χ^2/NDF:11.2/15

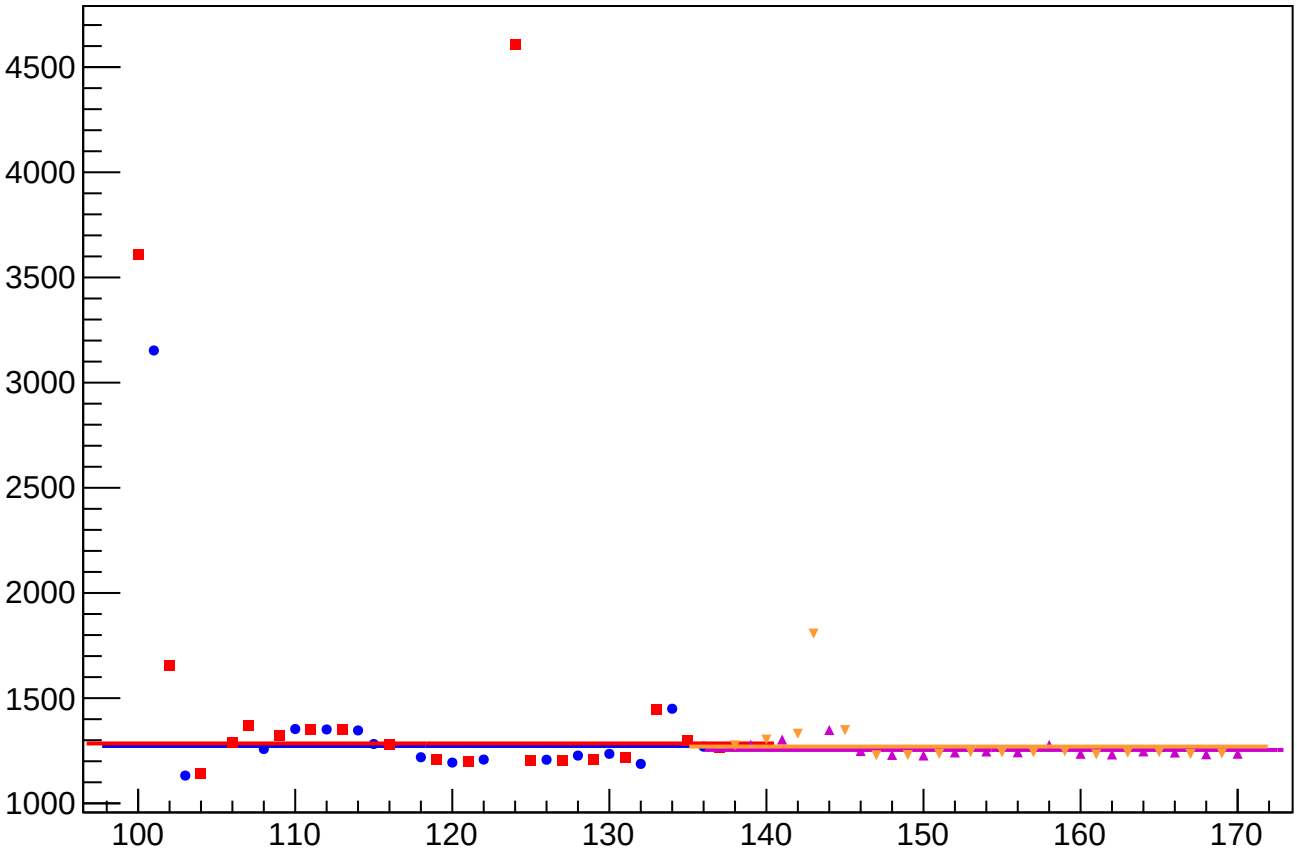
Left: -140.613+/-244.761 χ^2/NDF: 29.2/32

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -307.547+/-281.676 χ^2/NDF:34.8/35

All: -69.528+/-198.790 χ^2/NDF: 65.6/67



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1269.880+/-0.246 χ^2/NDF:165900.6/16

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

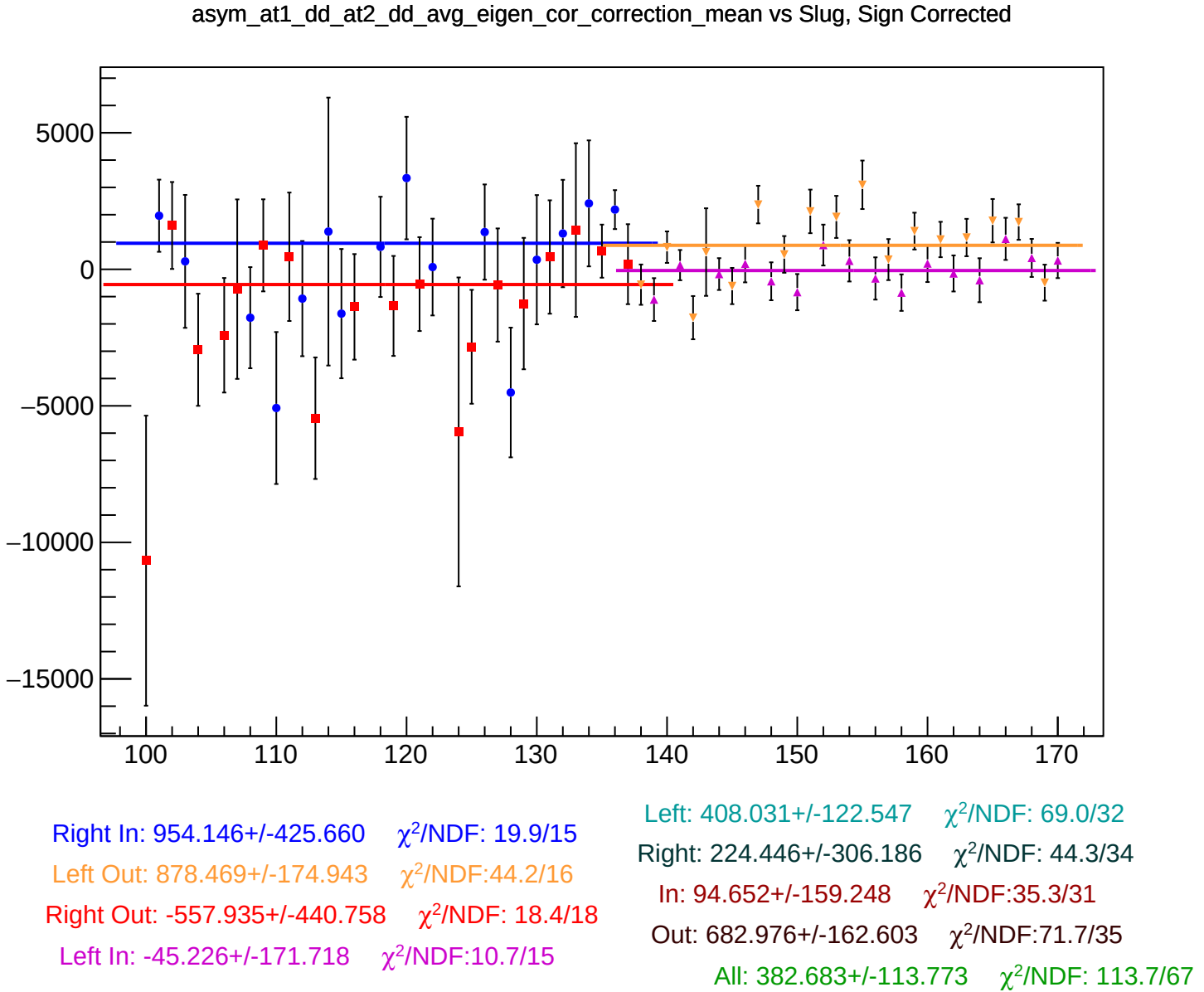
Left: 1261.814+/-0.173 χ^2/NDF: 184385.0/32

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

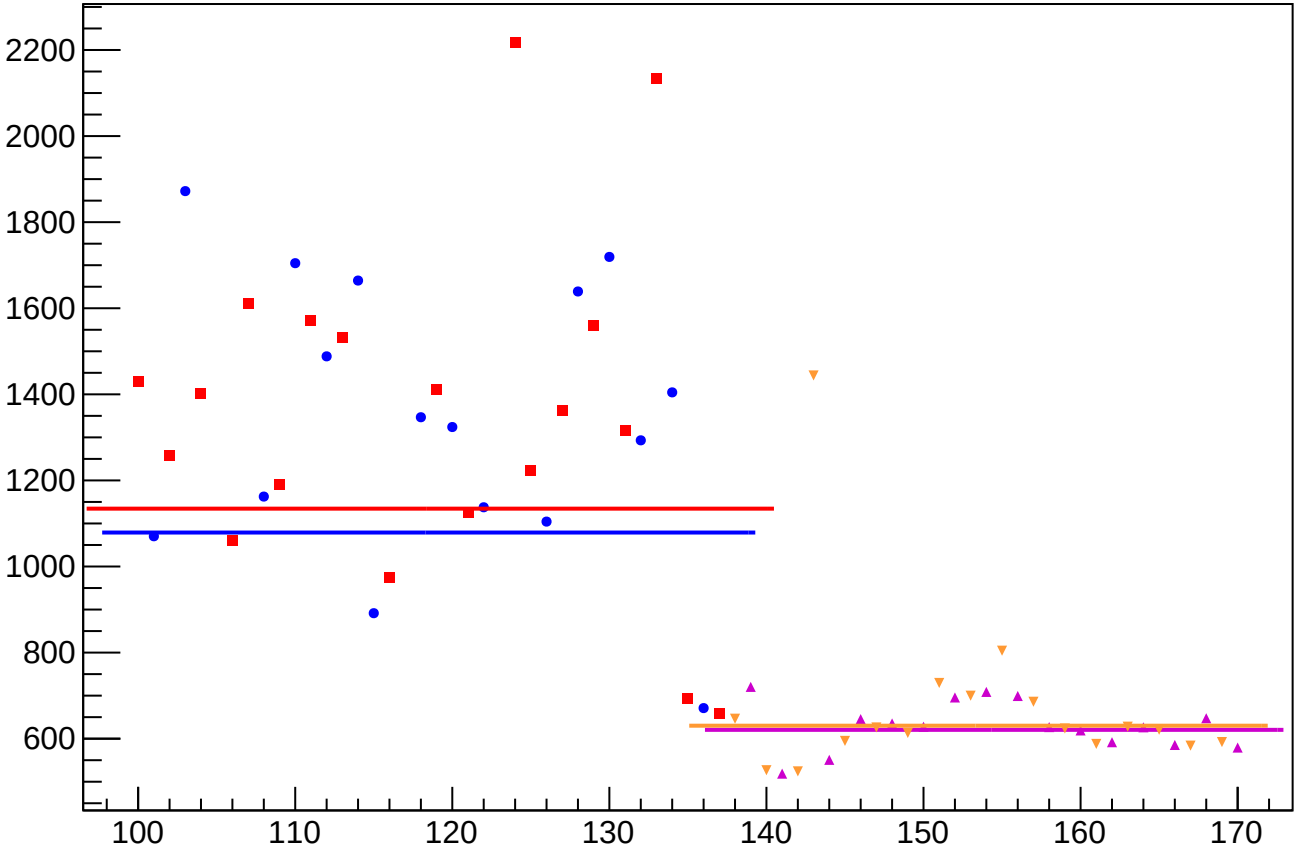
In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1274.940+/-0.199 χ^2/NDF:495874.5/35

All: 1267.576+/-0.141 χ^2/NDF: 1036280.8/67


asym_at1_dd_at2_dd_avg_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: 878.469+/-174.943 χ²/NDF:44.2/16
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -45.226+/-171.718 χ²/NDF:10.7/15
Left: 408.031+/-122.547 χ²/NDF: 69.0/32
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 94.652+/-159.248 χ²/NDF:35.3/31
Out: 682.976+/-162.603 χ²/NDF:71.7/35
All: 382.683+/-113.773 χ²/NDF: 113.7/67

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: 630.165+/-0.124 χ^2/NDF:784386.8/16

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

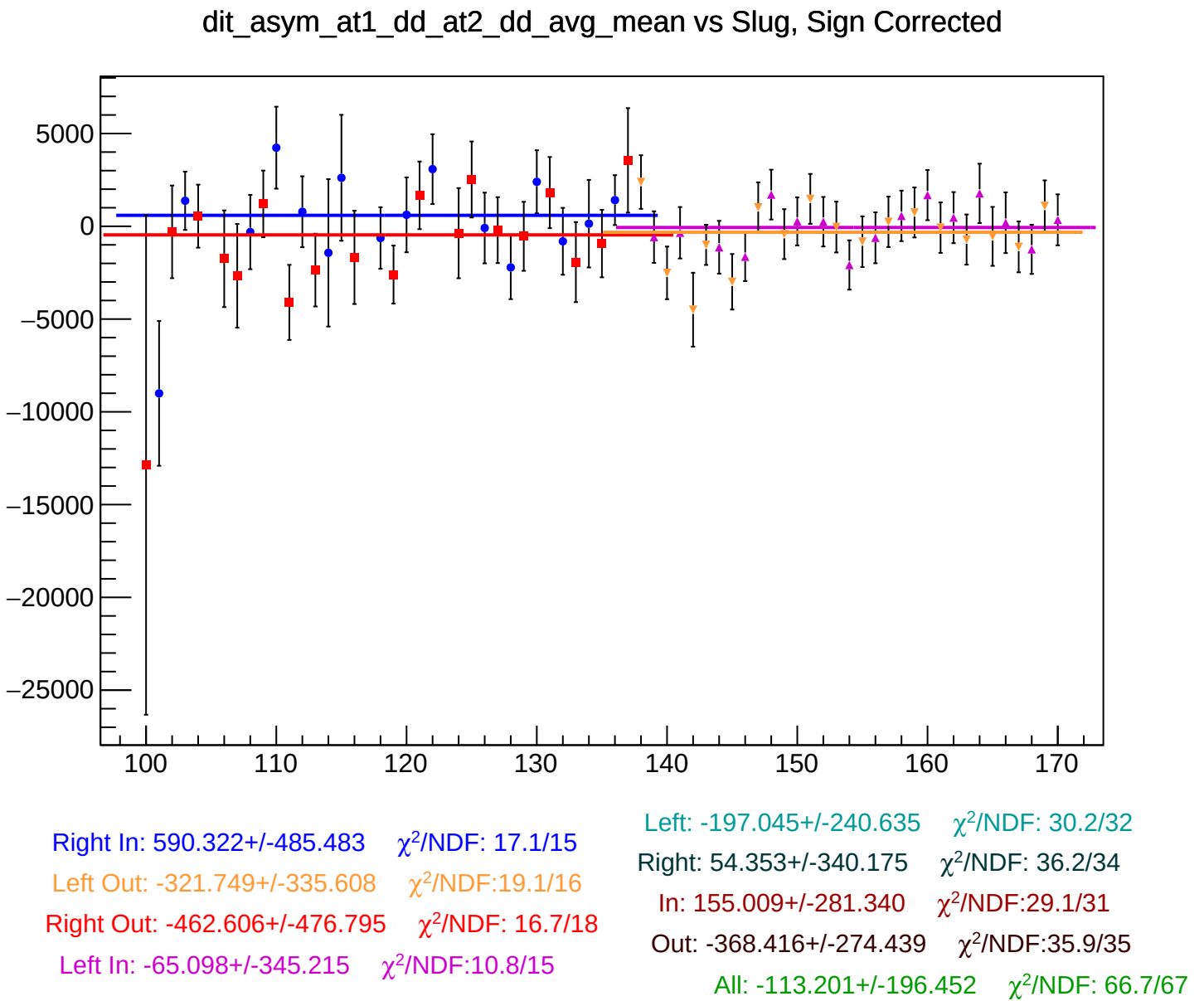
Left: 625.246+/-0.087 χ^2/NDF: 1007074.4/32

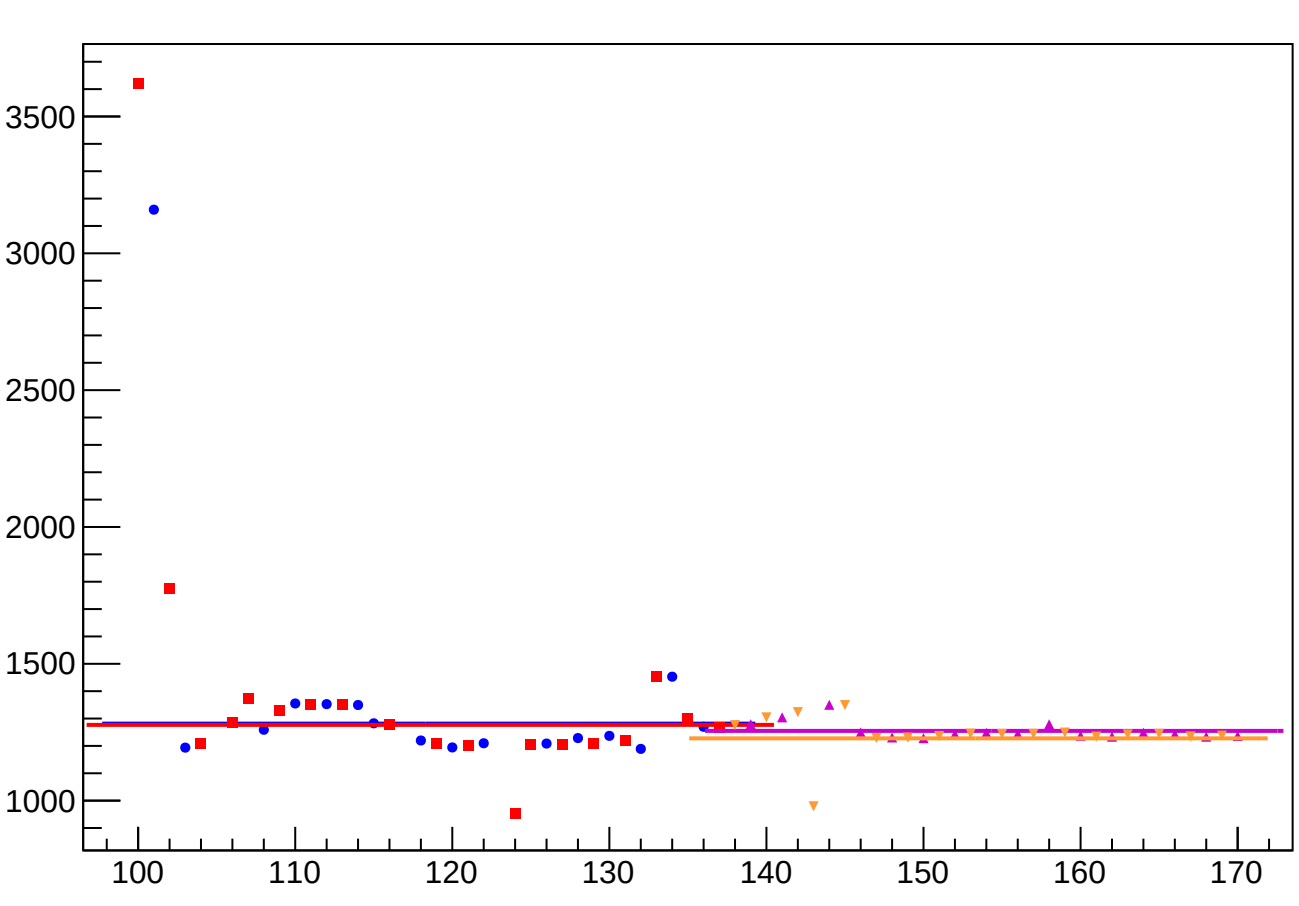
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 698.795+/-0.115 χ^2/NDF:4334844.8/35

All: 691.585+/-0.080 χ^2/NDF: 8035912.8/67


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -321.749+/-335.608 χ²/NDF:19.1/16
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -65.098+/-345.215 χ²/NDF:10.8/15
Left: -197.045+/-240.635 χ²/NDF: 30.2/32
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 155.009+/-281.340 χ²/NDF:29.1/31
Out: -368.416+/-274.439 χ²/NDF:35.9/35
All: -113.201+/-196.452 χ²/NDF: 66.7/67



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.608+/-0.237 χ^2/NDF:132896.8/16

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

Left: 1240.858+/-0.170 χ^2/NDF: 155797.4/32

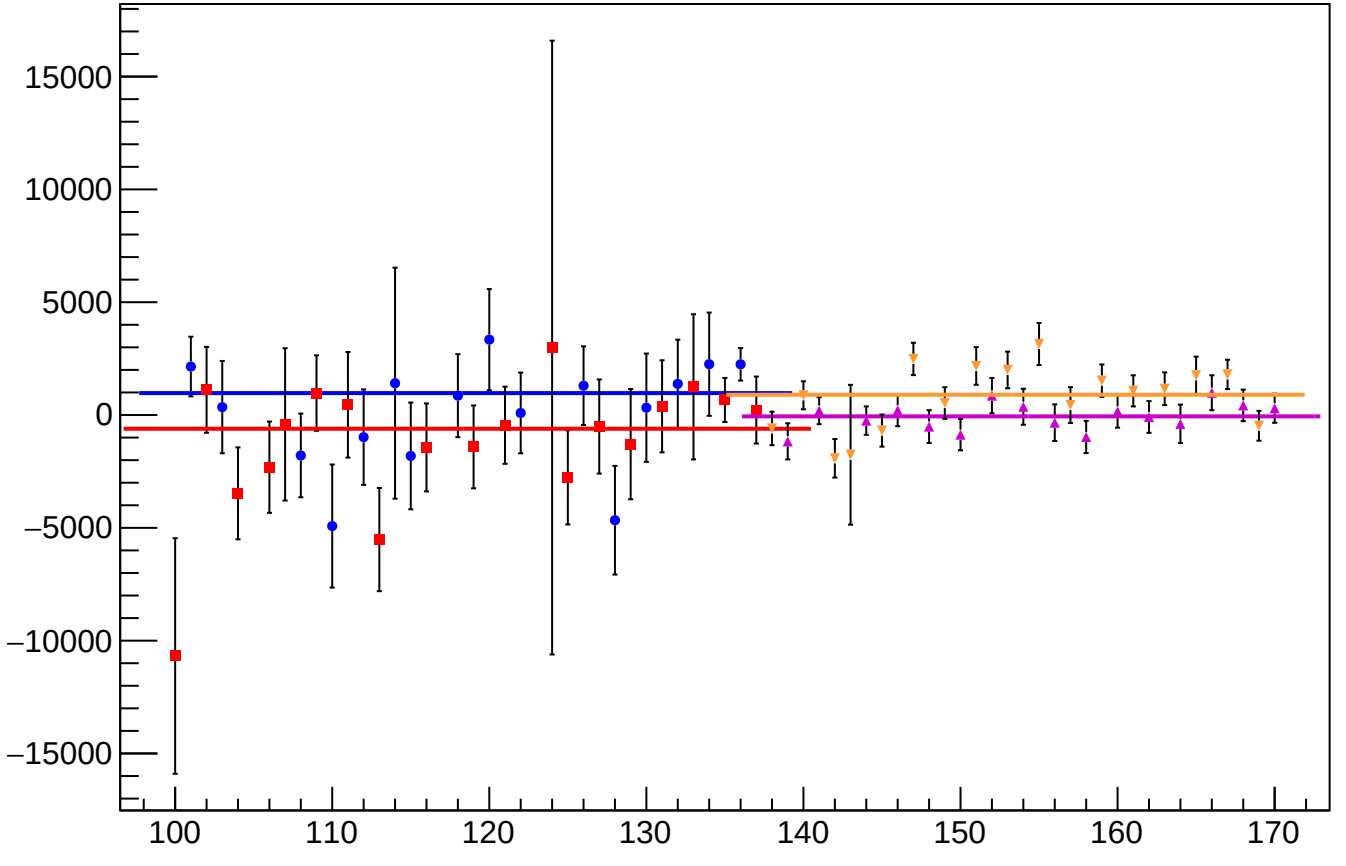
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527518.8/31

Out: 1243.926+/-0.194 χ^2/NDF:367681.1/35

All: 1253.603+/-0.139 χ^2/NDF: 900300.5/67

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: 899.021+/-183.884 χ^2/NDF:44.4/16

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -59.943+/-179.784 χ^2/NDF:10.4/15

Left: 408.729+/-128.551 χ^2/NDF: 68.7/32

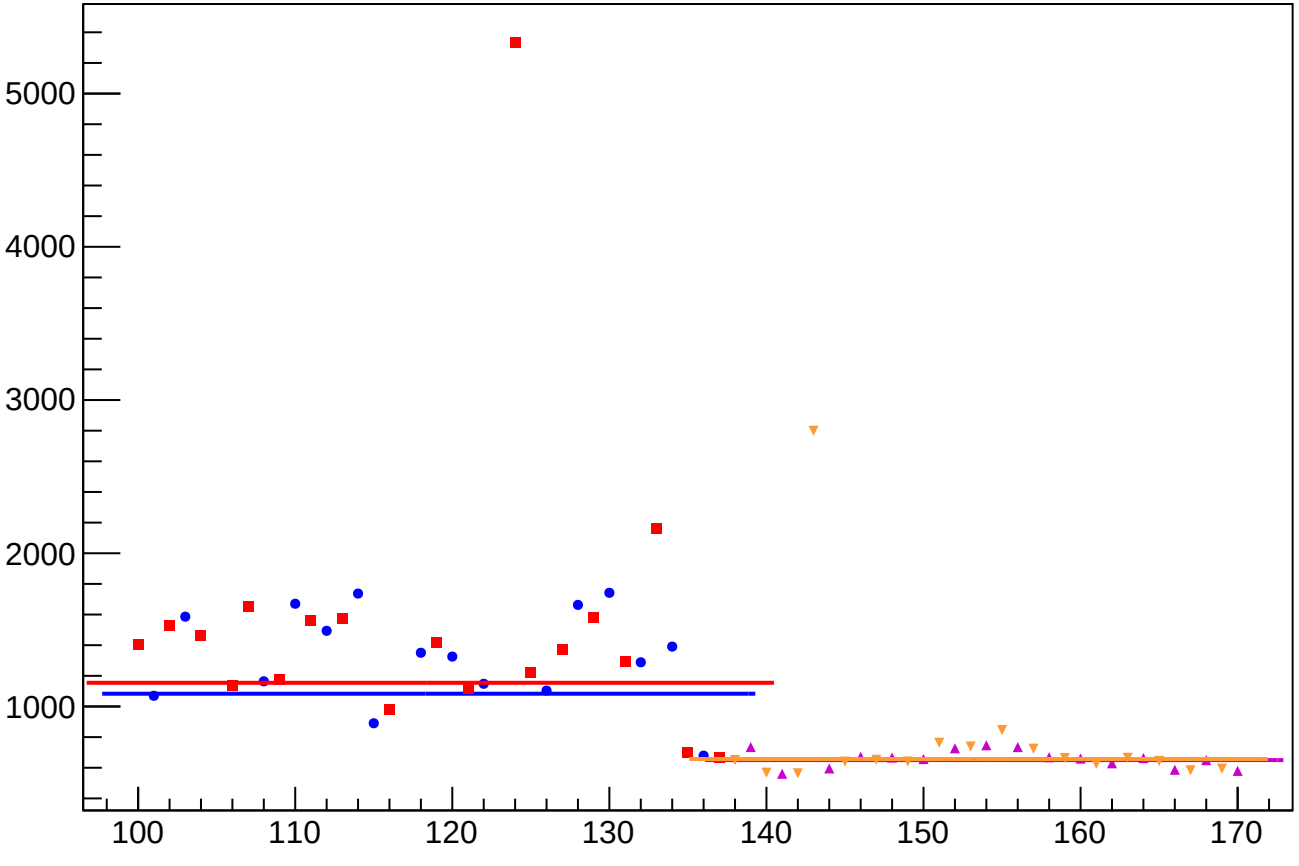
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 96.598+/-165.591 χ^2/NDF:35.8/31

Out: 681.452+/-170.097 χ^2/NDF:71.2/35

All: 381.176+/-118.652 χ^2/NDF: 113.1/67

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: 657.104+/-0.130 χ^2/NDF:1220119.3/16

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 650.105+/-0.127 χ^2/NDF:196459.3/15

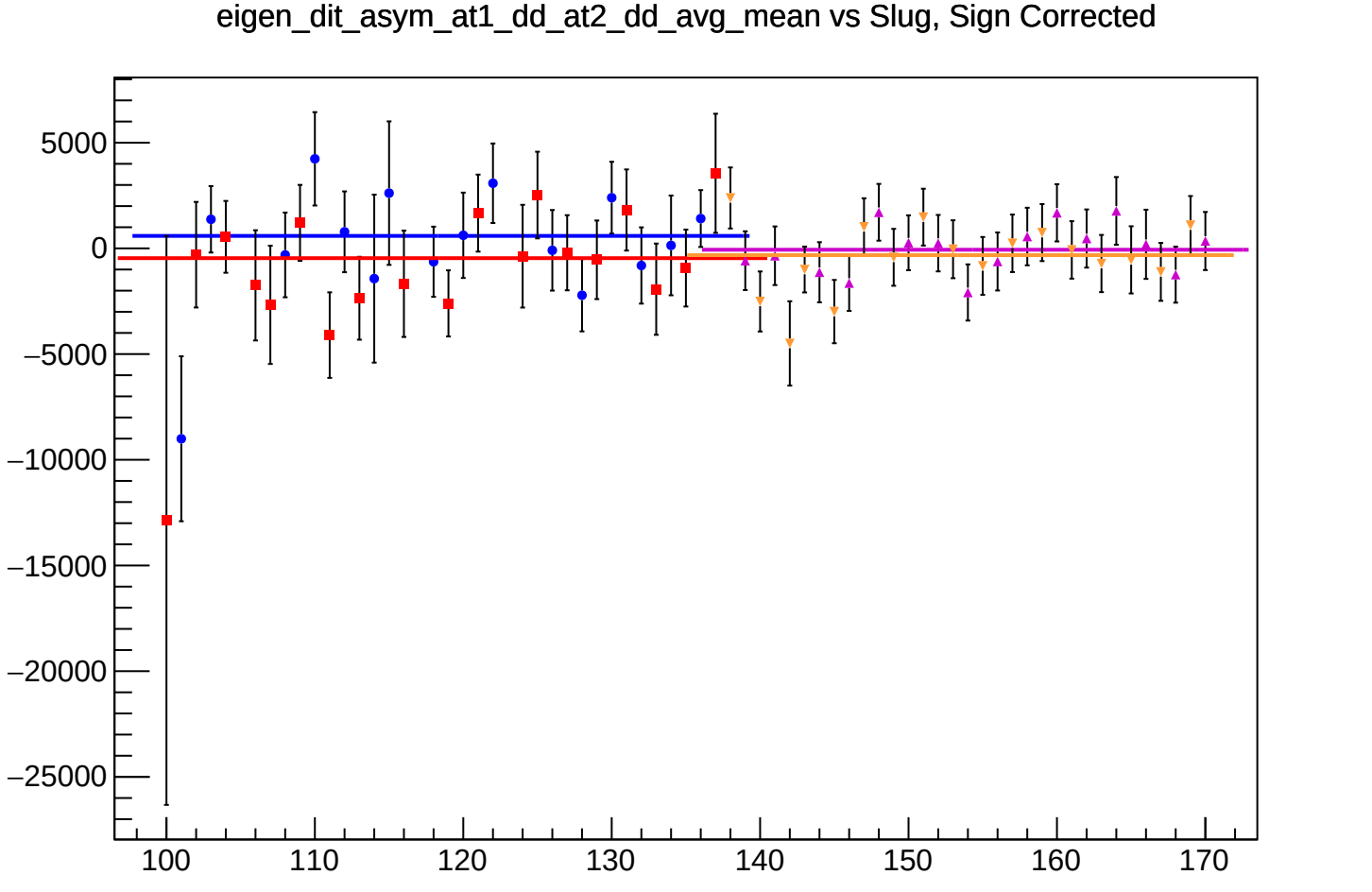
Left: 653.526+/-0.091 χ^2/NDF: 1418060.0/32

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 715.805+/-0.117 χ^2/NDF:3317839.5/31

Out: 728.925+/-0.120 χ^2/NDF:4822365.0/35

All: 722.189+/-0.084 χ^2/NDF: 8146313.2/67



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -321.751+/-335.608 χ^2/NDF:19.1/16

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -65.097+/-345.215 χ^2/NDF:10.8/15

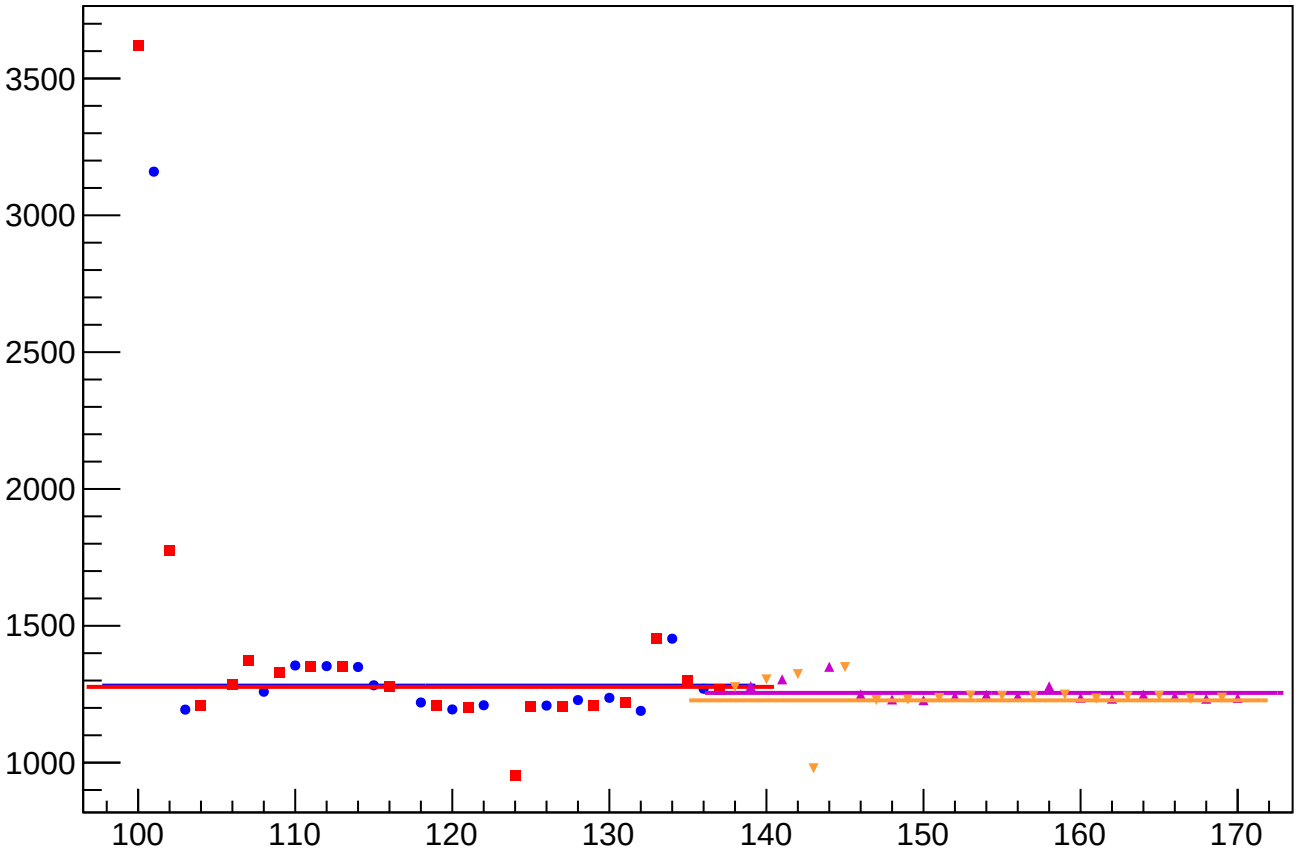
Left: -197.045+/-240.635 χ^2/NDF: 30.2/32

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 155.010+/-281.340 χ^2/NDF:29.1/31

Out: -368.417+/-274.439 χ^2/NDF:35.9/35

All: -113.201+/-196.452 χ^2/NDF: 66.7/67



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1227.608+/-0.237 χ^2/NDF:132896.0/16

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

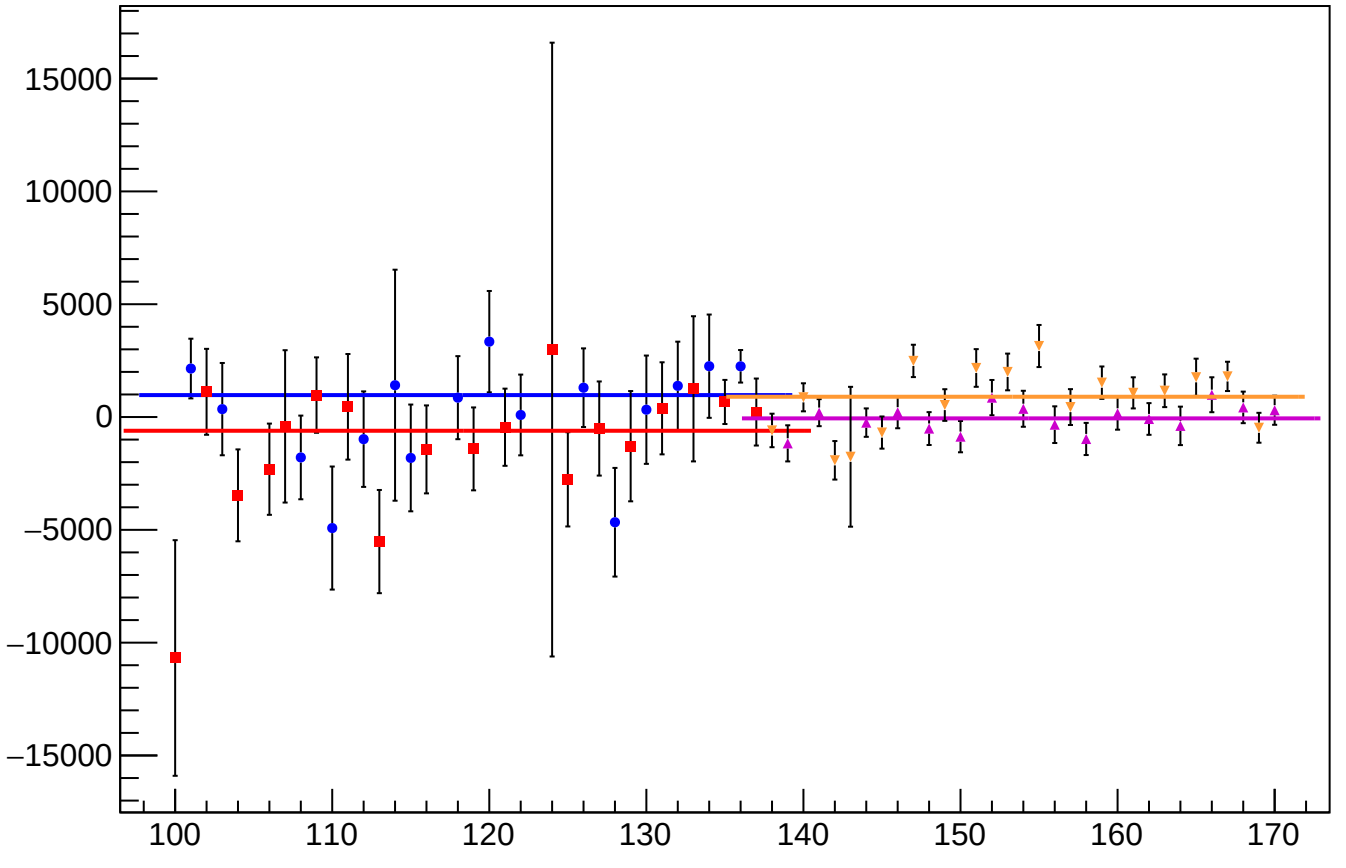
Left: 1240.858+/-0.170 χ^2/NDF: 155796.6/32

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527519.0/31

Out: 1243.926+/-0.194 χ^2/NDF:367680.1/35

All: 1253.603+/-0.139 χ^2/NDF: 900299.7/67



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 899.023+/-183.884 χ^2/NDF:44.4/16

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -59.941+/-179.784 χ^2/NDF:10.4/15

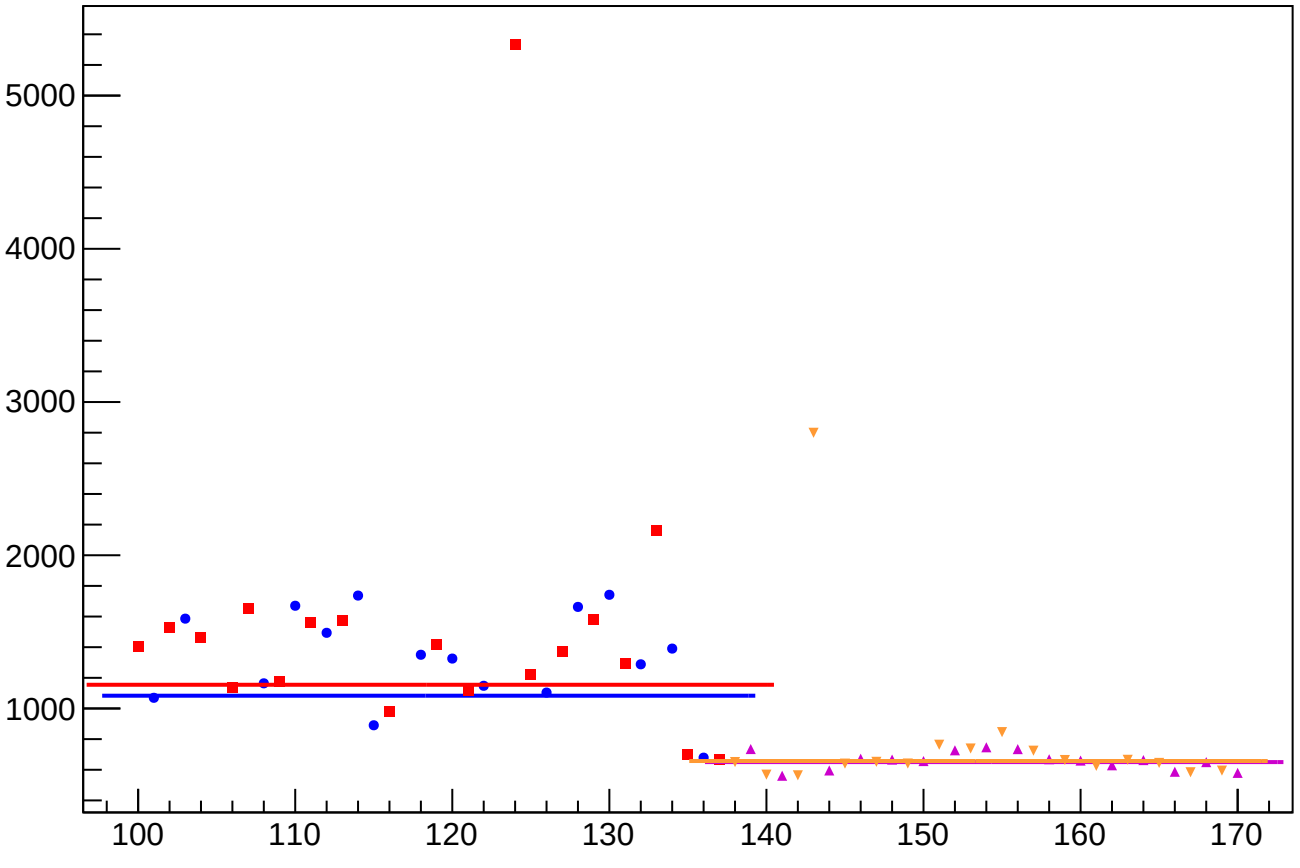
Left: 408.731+/-128.551 χ^2/NDF: 68.7/32

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 96.597+/-165.591 χ^2/NDF:35.8/31

Out: 681.454+/-170.097 χ^2/NDF:71.2/35

All: 381.176+/-118.652 χ^2/NDF: 113.1/67



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 657.104+/-0.130 χ^2/NDF:1220114.8/16

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 650.104+/-0.127 χ^2/NDF:196462.8/15

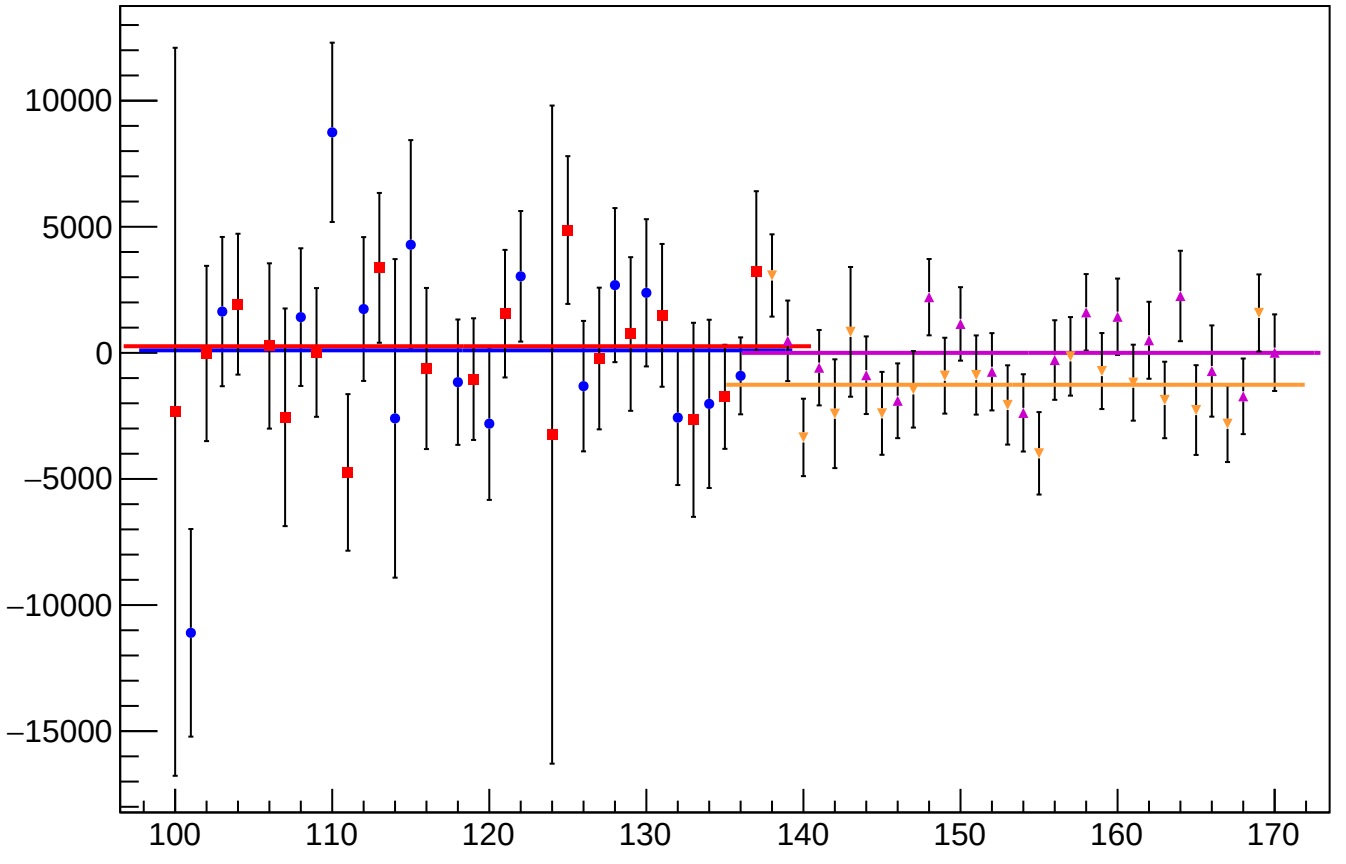
Left: 653.525+/-0.091 χ^2/NDF: 1418059.4/32

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 715.805+/-0.117 χ^2/NDF:3317831.3/31

Out: 728.926+/-0.120 χ^2/NDF:4822350.9/35

All: 722.190+/-0.084 χ^2/NDF: 8146291.8/67



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1264.590+/-392.127 χ^2/NDF:19.1/16

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 0.002+/-387.127 χ^2/NDF:12.8/15

Left: -624.181+/-275.491 χ^2/NDF: 37.2/32

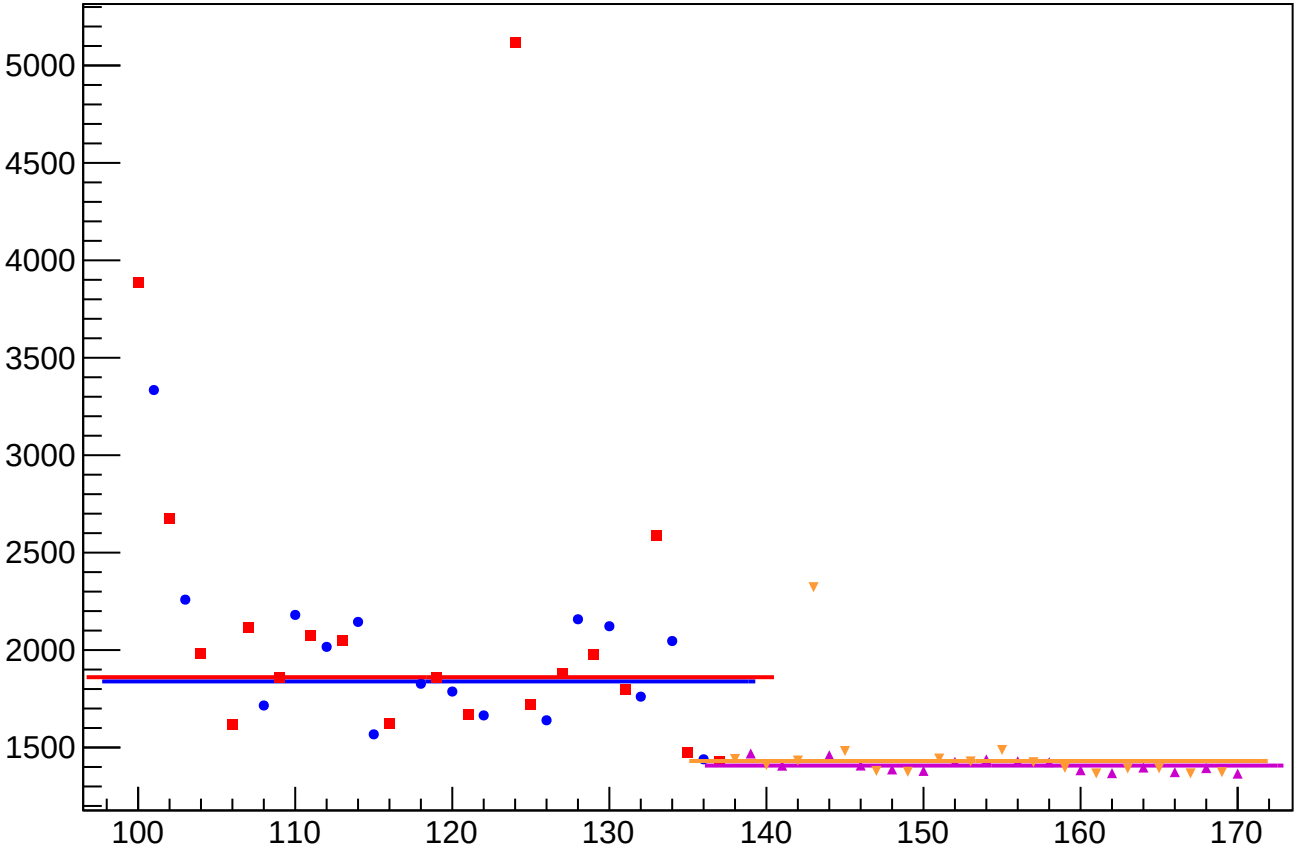
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 23.581+/-338.656 χ^2/NDF:34.1/31

Out: -899.570+/-342.074 χ^2/NDF:33.1/35

All: -433.359+/-240.665 χ^2/NDF: 70.9/67

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1430.716+/-0.277 χ^2/NDF:263571.5/16

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1407.223+/-0.274 χ^2/NDF:12431.6/15

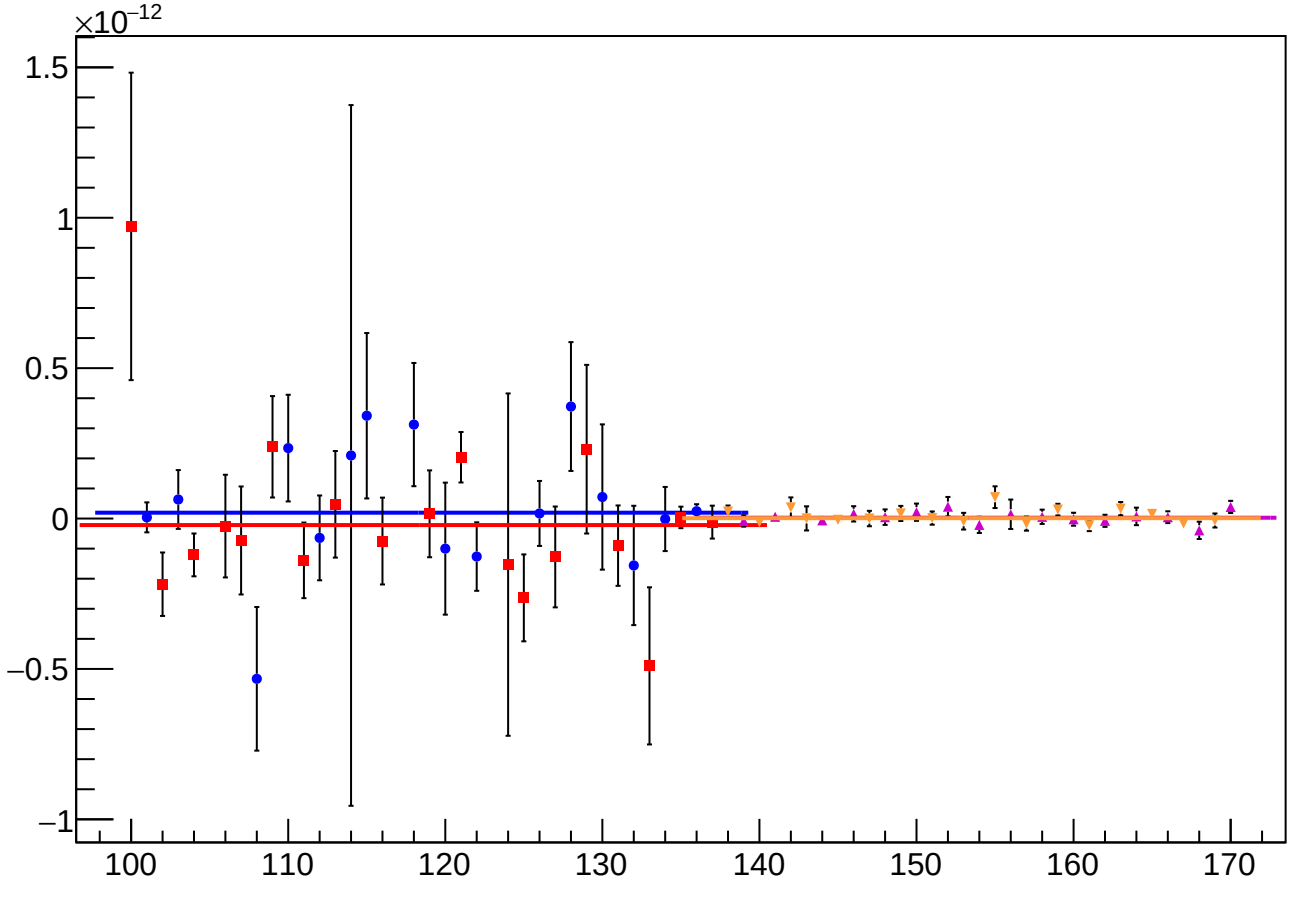
Left: 1418.819+/-0.195 χ^2/NDF: 279638.4/32

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1508.605+/-0.239 χ^2/NDF:1153481.4/31

Out: 1533.494+/-0.242 χ^2/NDF:1360576.8/35

All: 1520.924+/-0.170 χ^2/NDF: 2519405.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/15

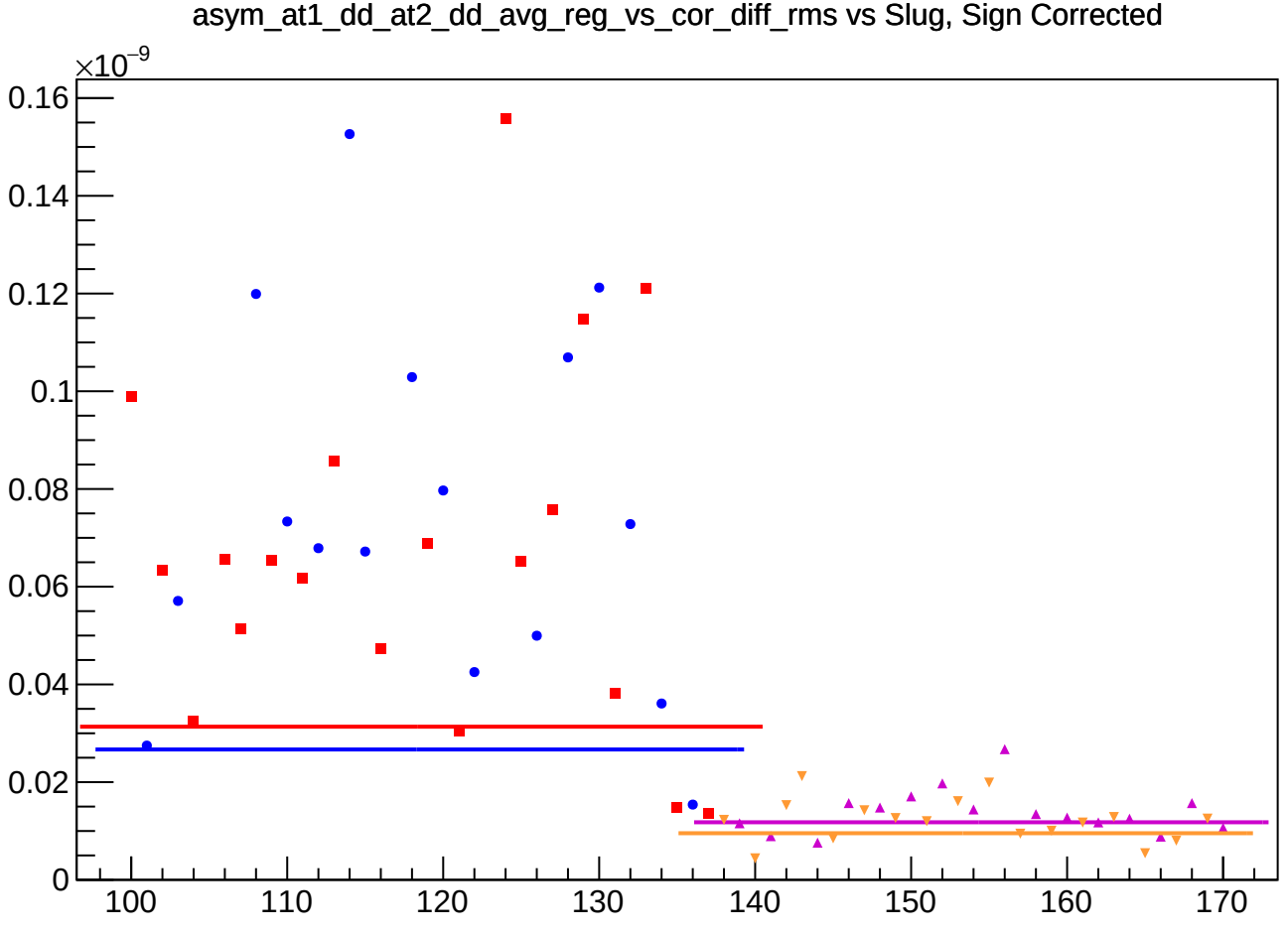
Left: 0.000+/-0.000 χ^2/NDF: 26.4/32

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/31

Out: 0.000+/-0.000 χ^2/NDF:46.4/35

All: 0.000+/-0.000 χ^2/NDF: 73.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390760.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831726.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2411803.8/32

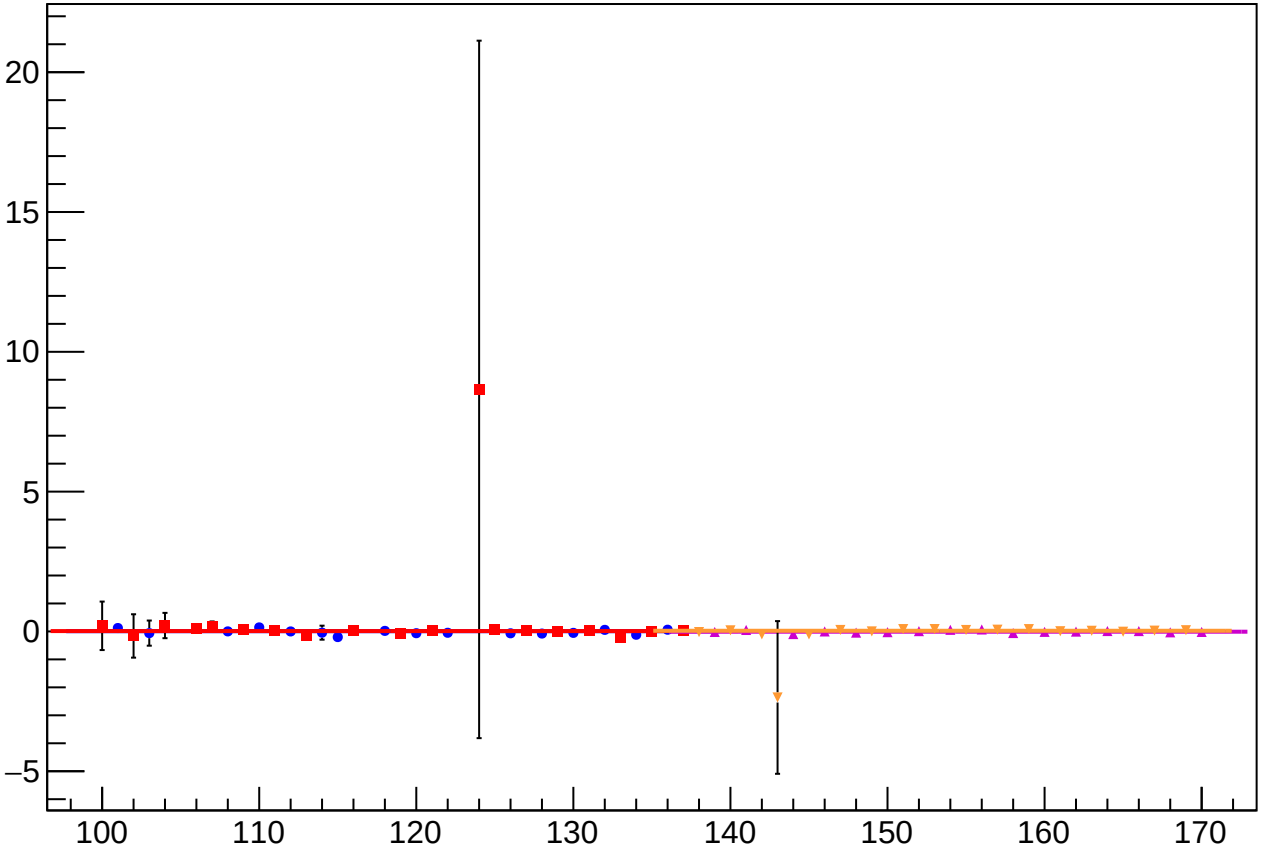
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4568775.0/31

Out: 0.000+/-0.000 χ^2/NDF:5494755.7/35

All: 0.000+/-0.000 χ^2/NDF: 10307534.4/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

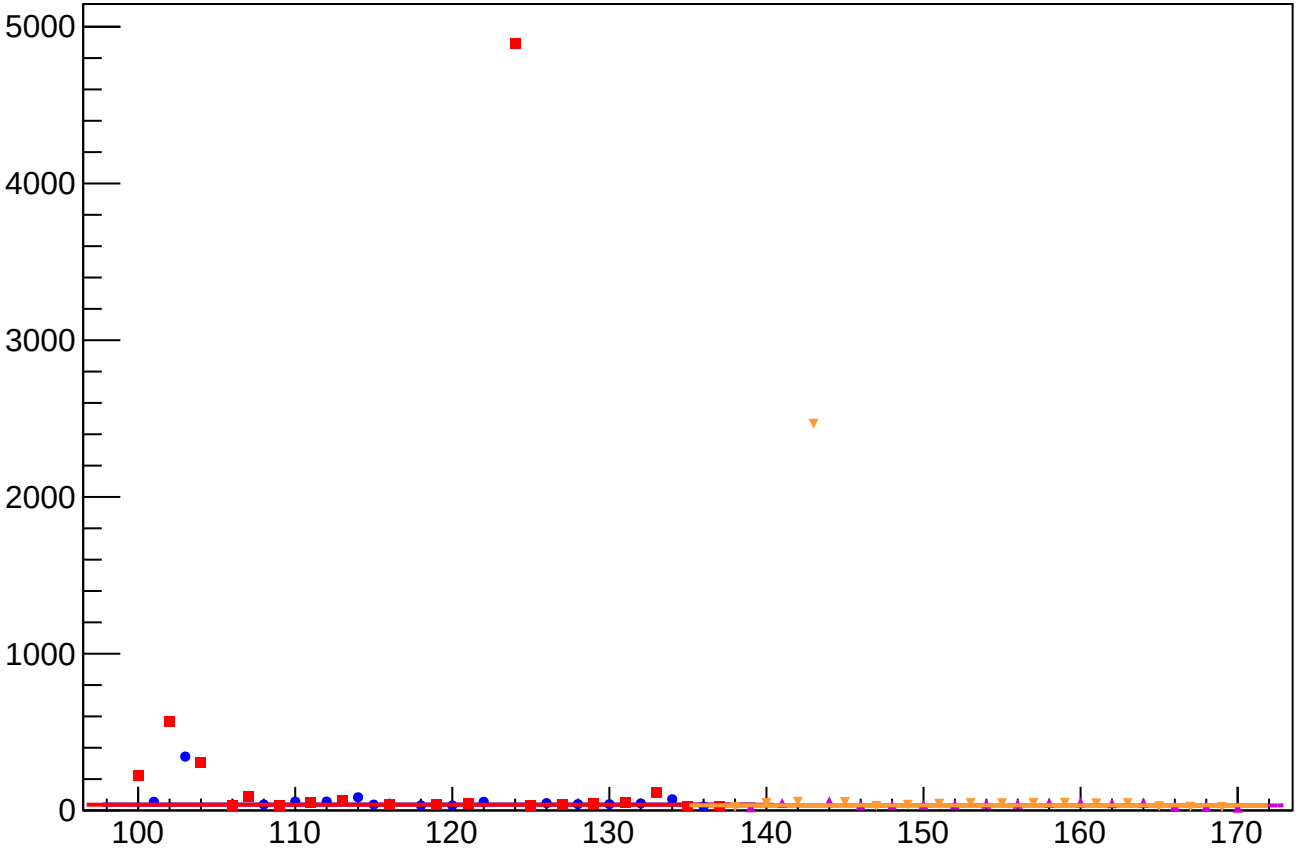
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.846+/-0.007 χ^2/NDF:3960562.7/16

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

Left: 32.350+/-0.005 χ^2/NDF: 6682223.6/32

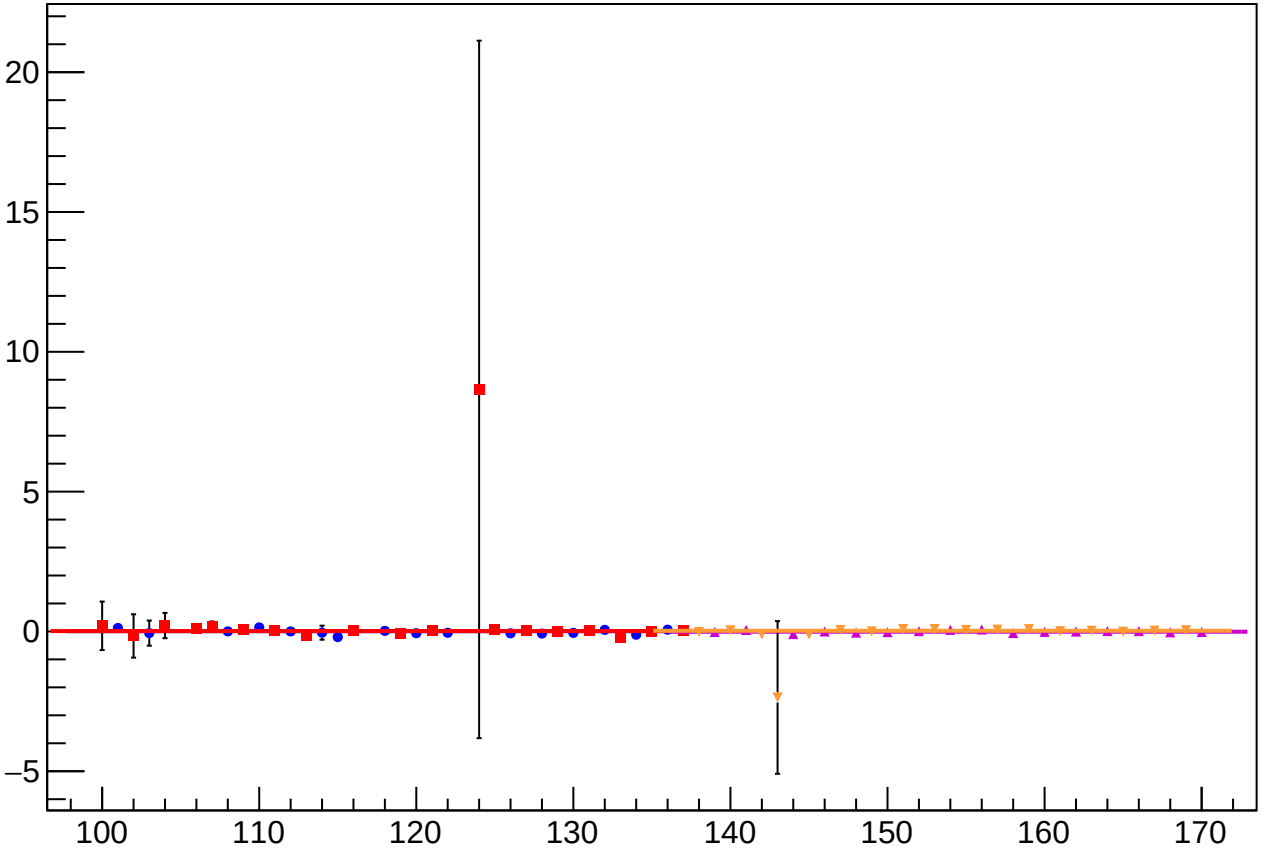
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 33.943+/-0.006 χ^2/NDF:7231459.1/35

All: 33.687+/-0.004 χ^2/NDF: 12106283.1/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

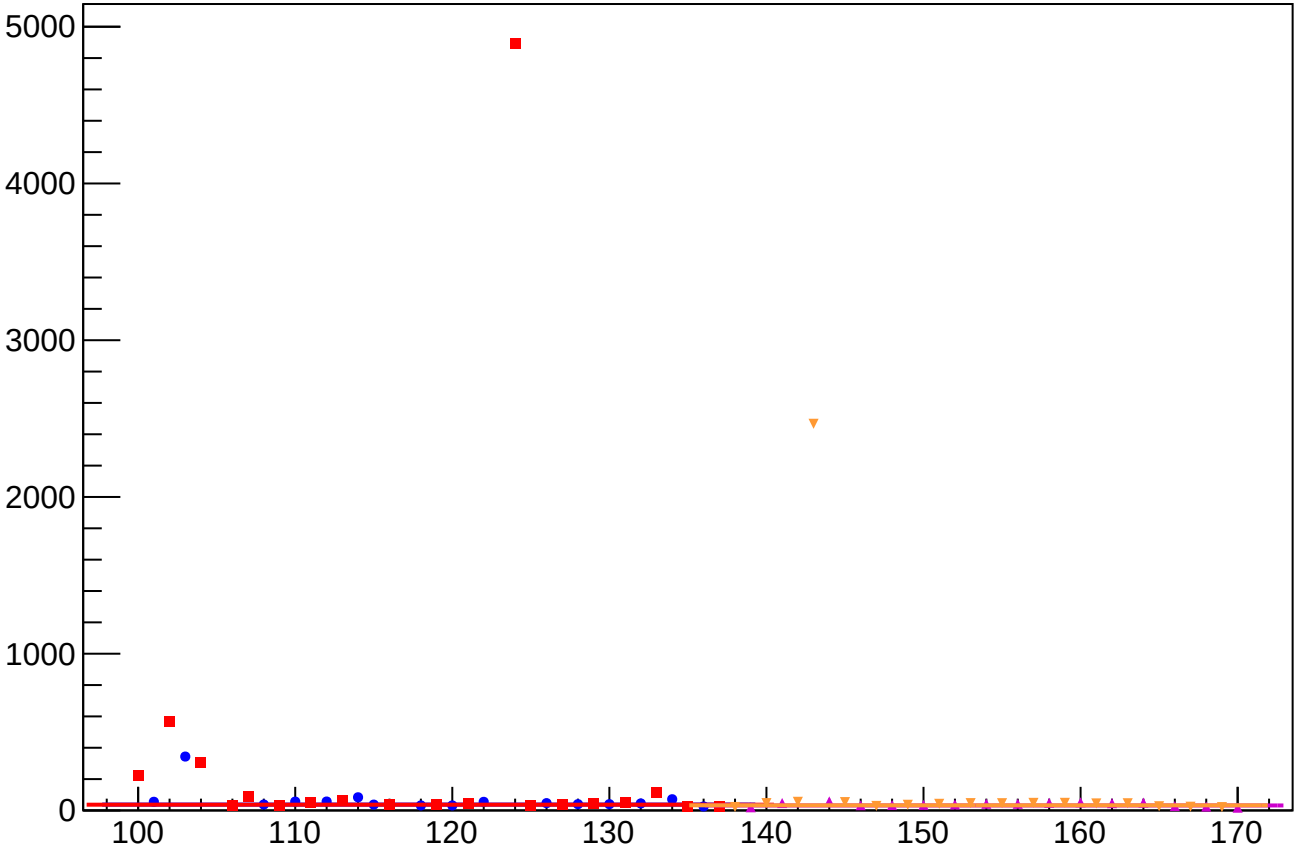
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.846+/-0.007 χ^2/NDF:3960562.7/16

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

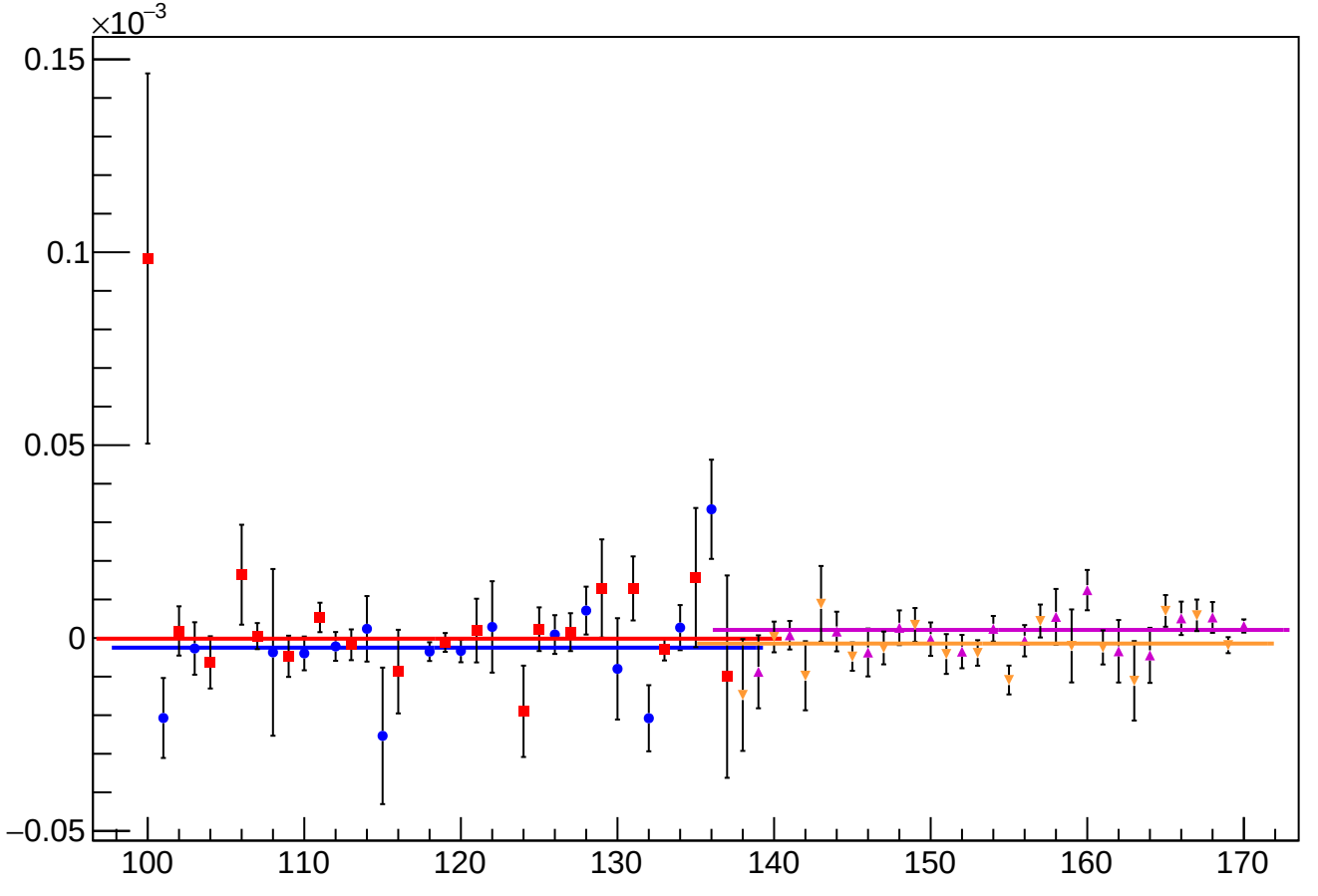
Left: 32.350+/-0.005 χ^2/NDF: 6682223.6/32

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 33.943+/-0.006 χ^2/NDF:7231459.1/35

All: 33.687+/-0.004 χ^2/NDF: 12106283.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/15

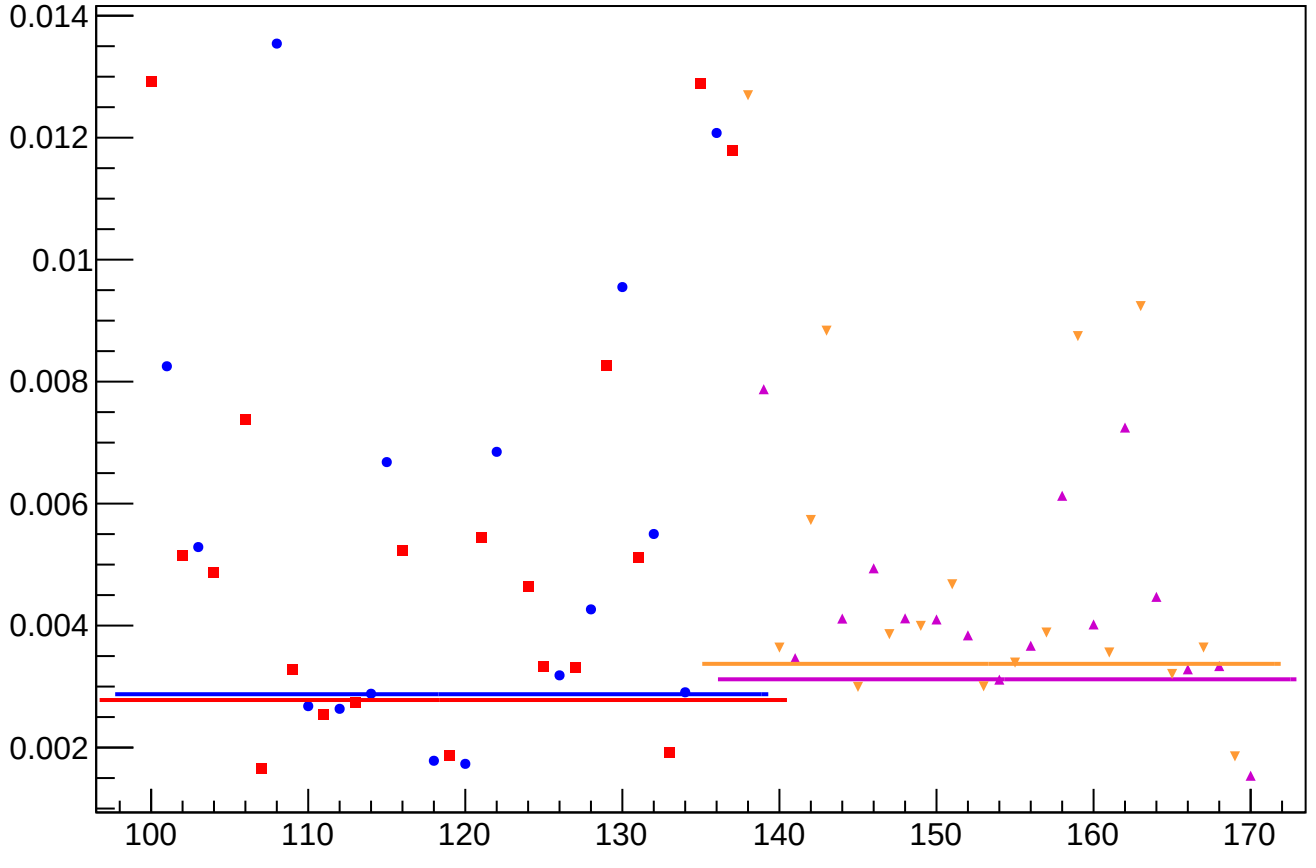
Left: 0.000+/-0.000 χ^2/NDF: 40.6/32

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:41.5/31

Out: -0.000+/-0.000 χ^2/NDF:42.2/35

All: -0.000+/-0.000 χ^2/NDF: 85.1/67



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:4251729.7/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.003+/-0.000 χ^2/NDF:3774445.4/15

Left: 0.003+/-0.000 χ^2/NDF: 8088967.5/32

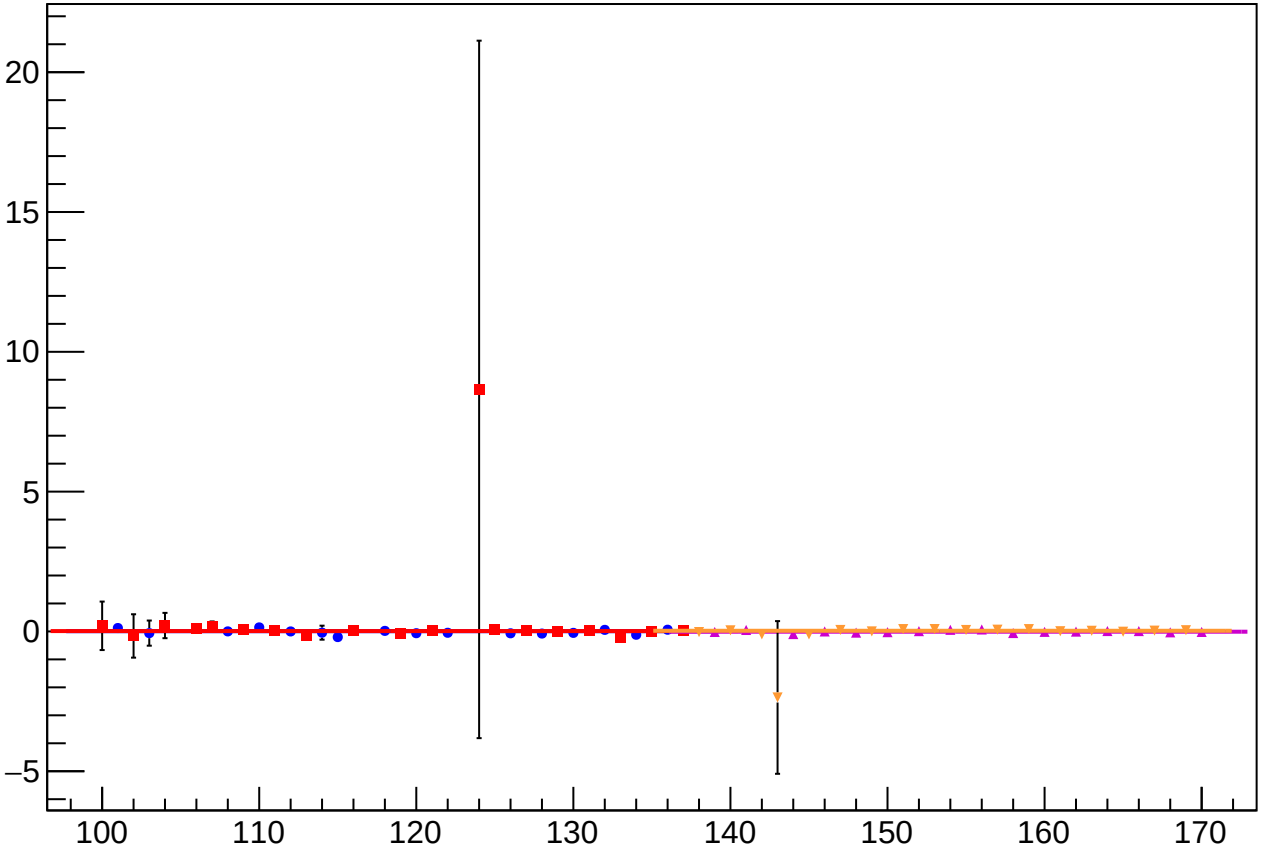
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:7970819.0/31

Out: 0.003+/-0.000 χ^2/NDF:7852886.6/35

All: 0.003+/-0.000 χ^2/NDF: 15836126.6/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

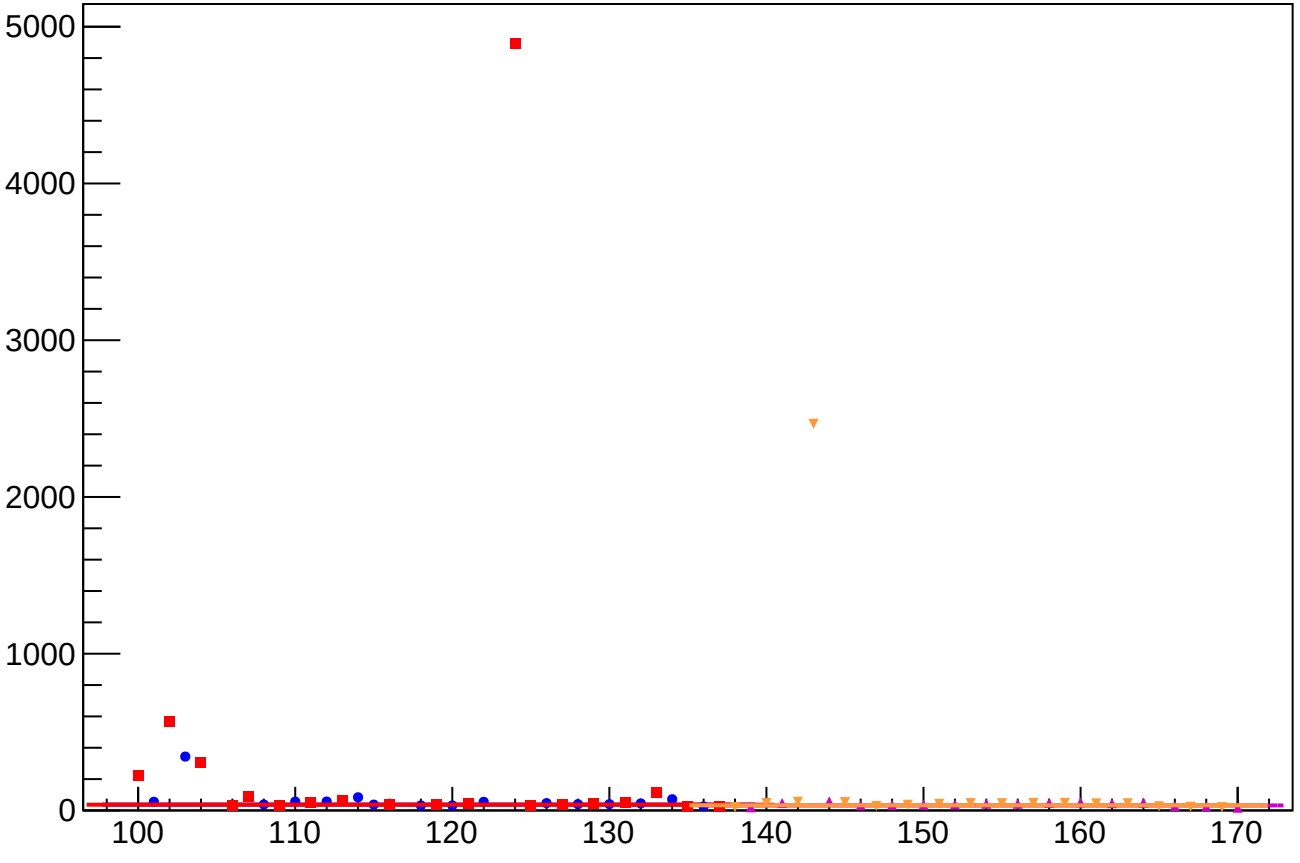
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.845+/-0.007 χ^2/NDF:3960620.8/16

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

Left: 32.350+/-0.005 χ^2/NDF: 6681113.7/32

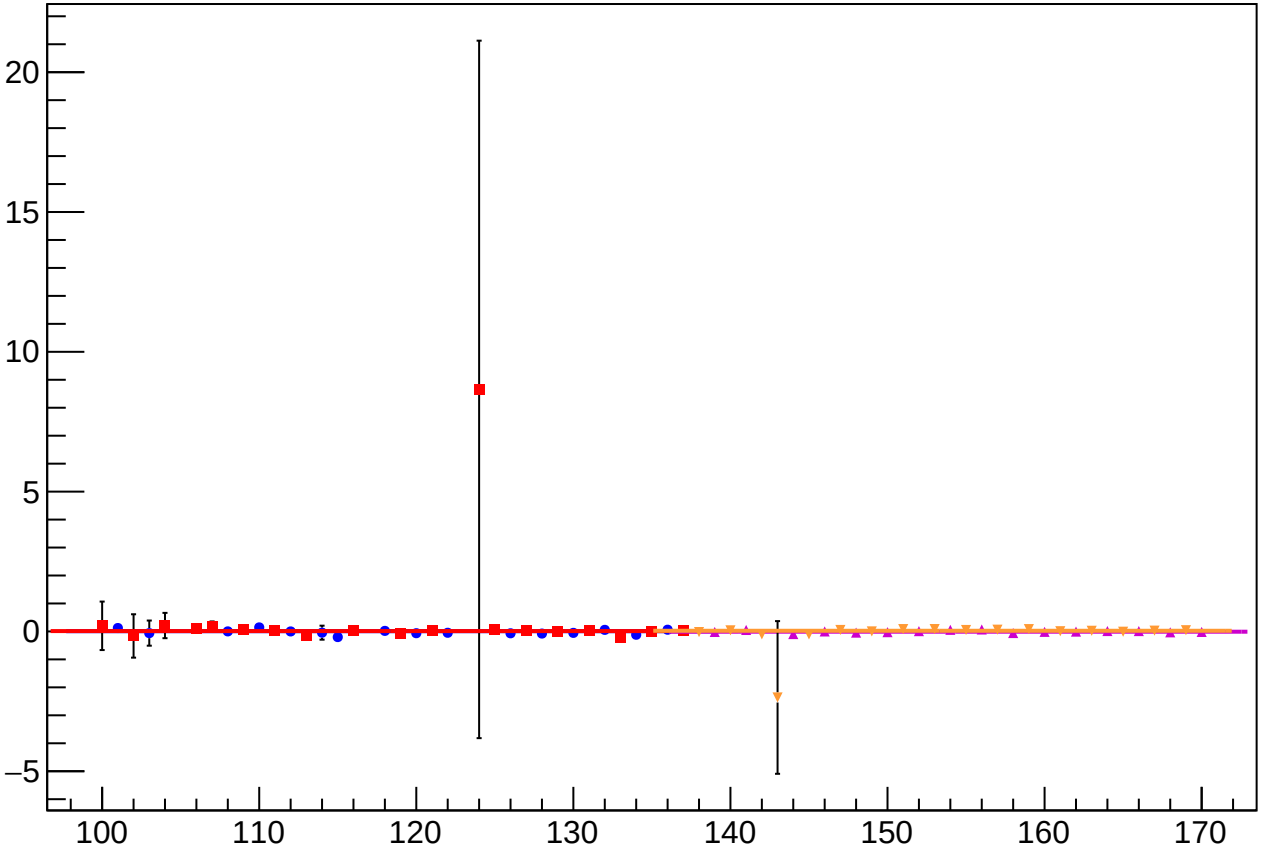
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 33.942+/-0.006 χ^2/NDF:7231322.3/35

All: 33.688+/-0.004 χ^2/NDF: 12104830.8/67

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: 0.024+/-0.010 χ^2/NDF:17.7/16

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.0/32

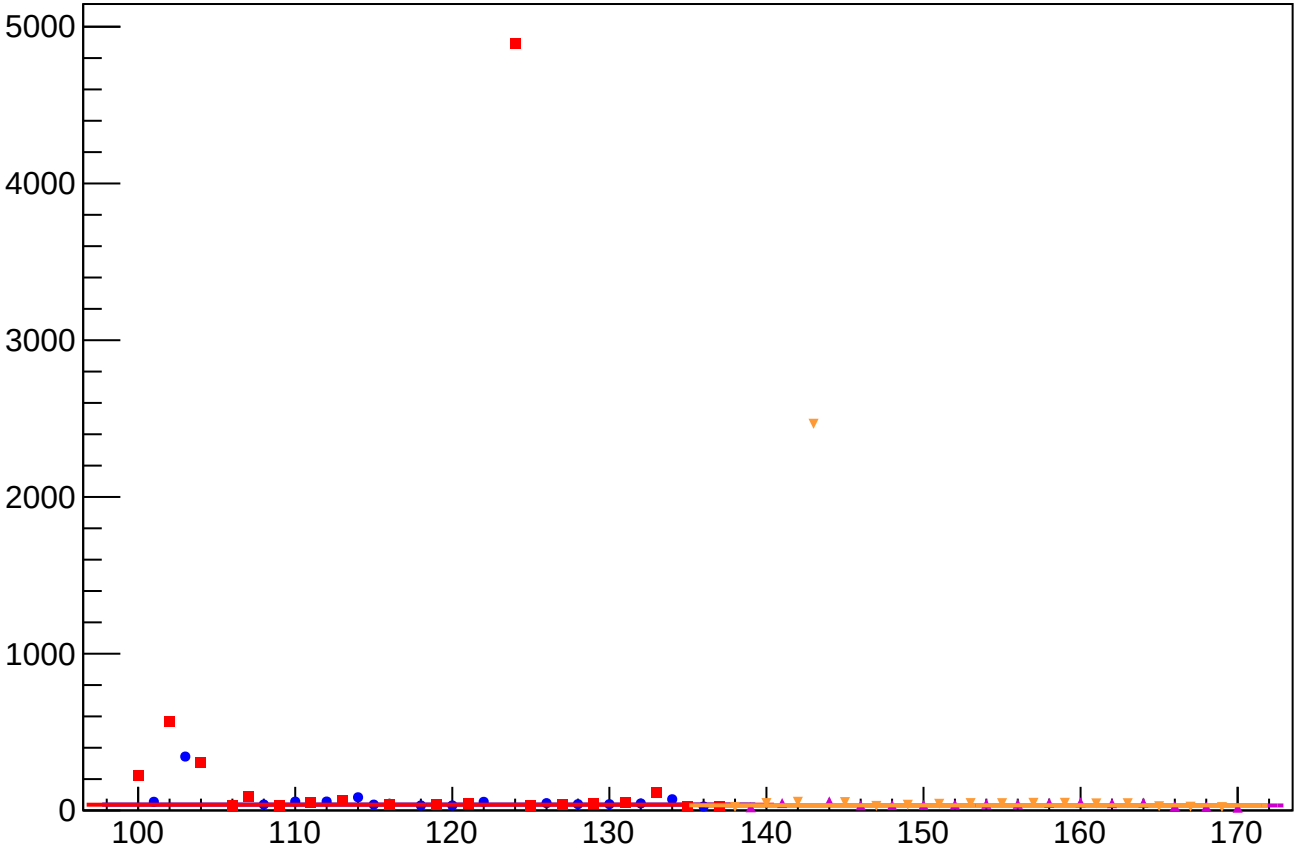
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.021+/-0.009 χ^2/NDF:30.6/35

All: 0.007+/-0.006 χ^2/NDF: 66.0/67

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: 32.845+/-0.007 χ^2/NDF:3960620.8/16

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

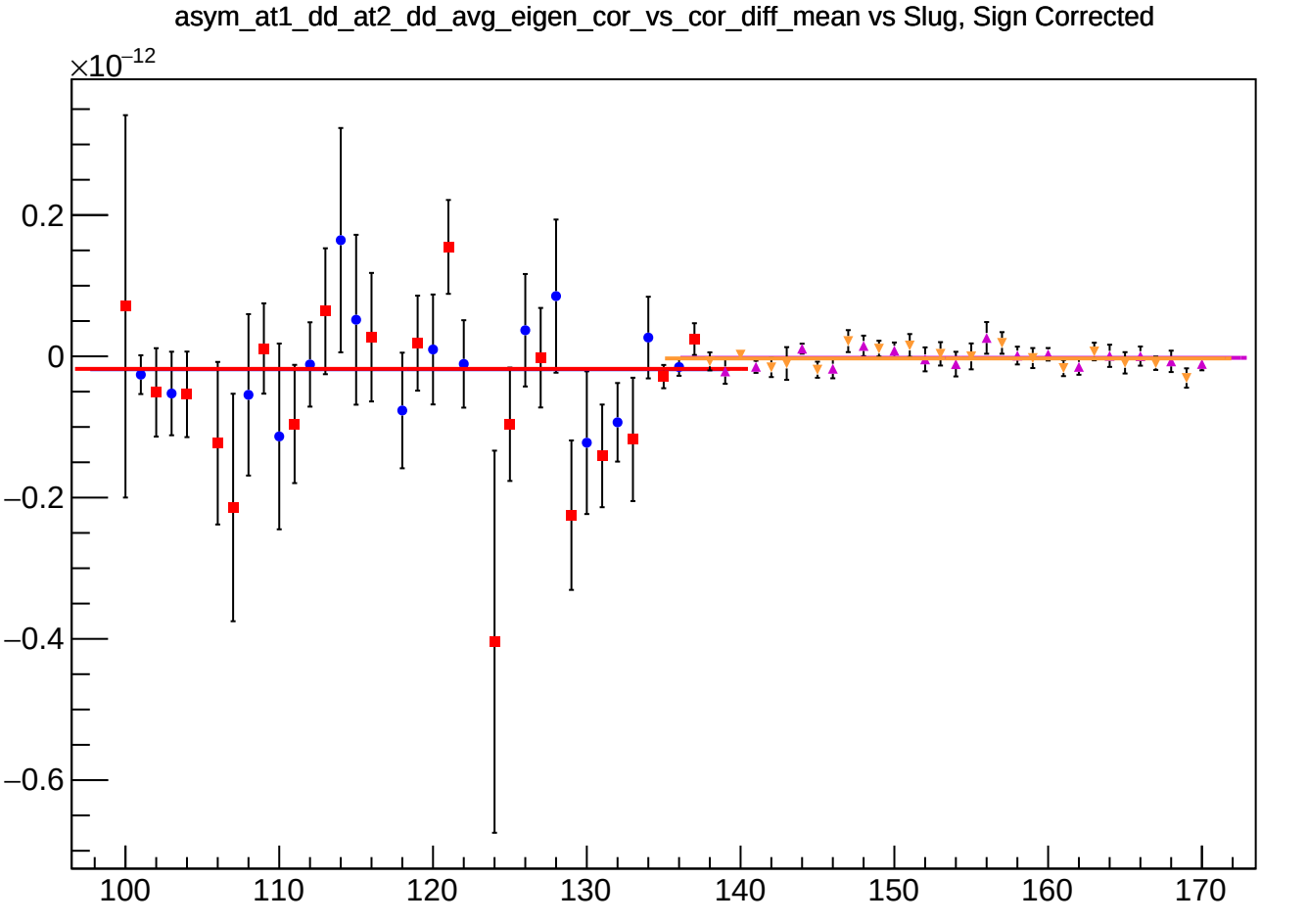
Left: 32.350+/-0.005 χ^2/NDF: 6681113.7/32

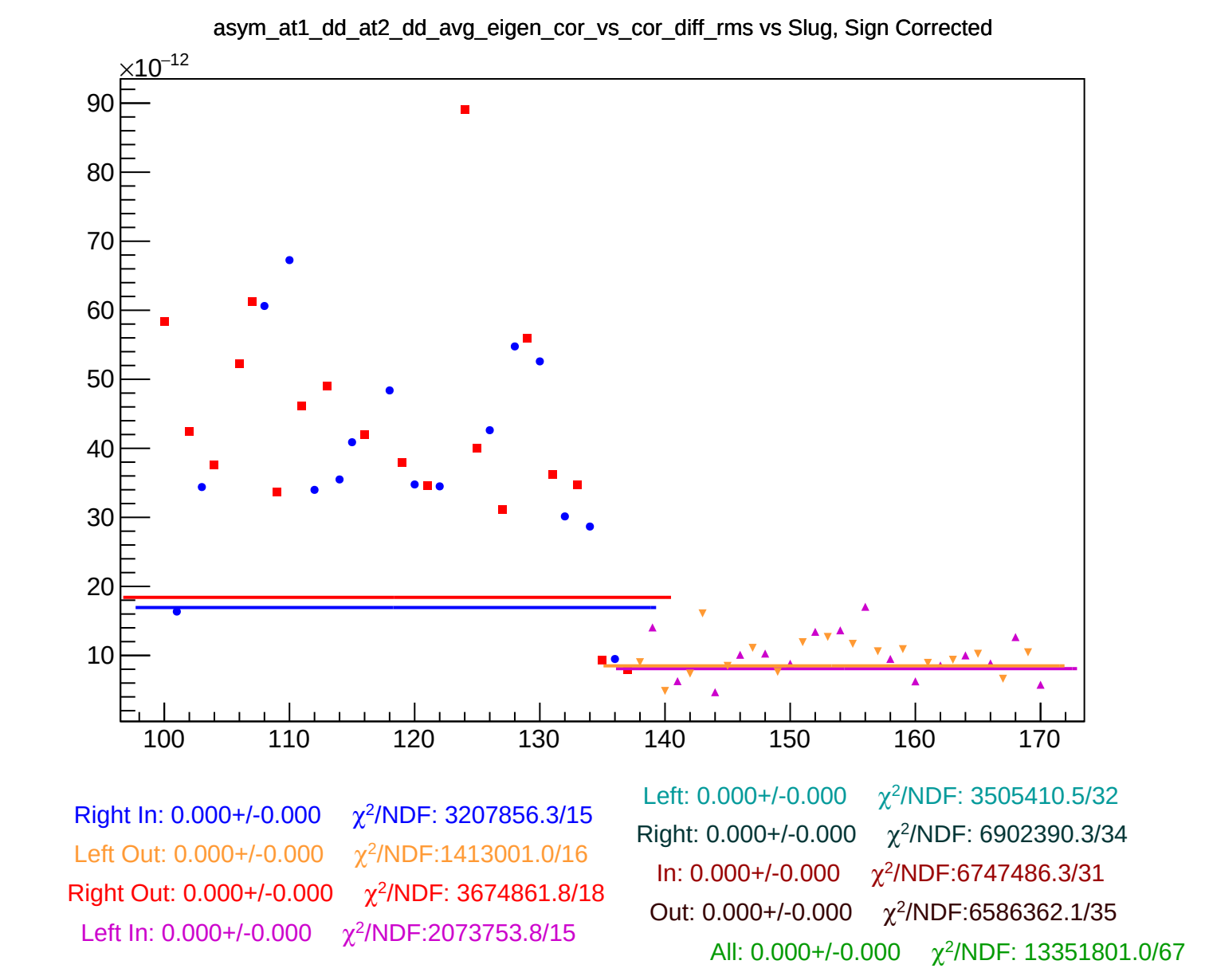
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

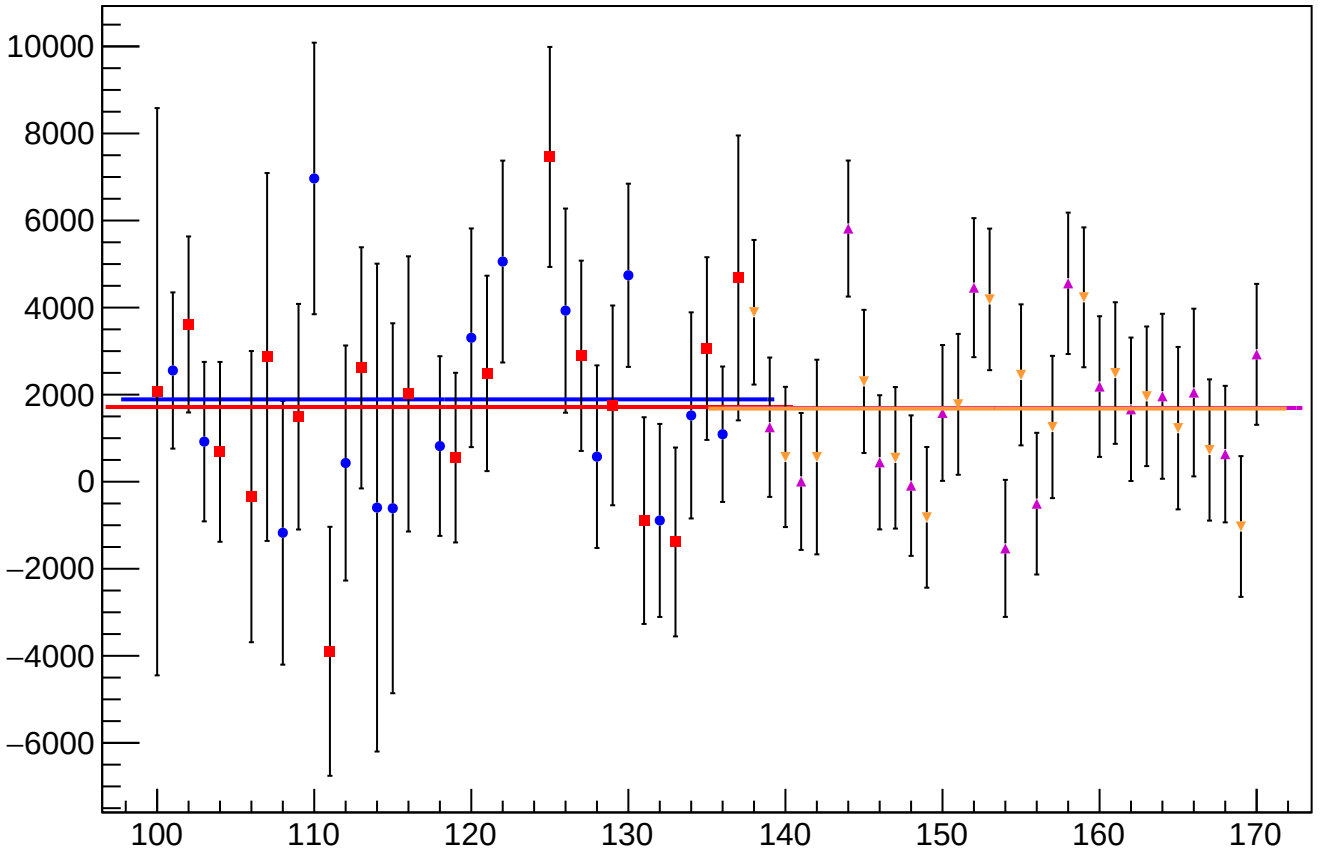
In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 33.942+/-0.006 χ^2/NDF:7231322.3/35

All: 33.688+/-0.004 χ^2/NDF: 12104830.8/67


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:18.0/16
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:14.8/15
Left: -0.000+/-0.000 χ²/NDF: 32.8/32
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:25.5/31
Out: -0.000+/-0.000 χ²/NDF:46.9/35
All: -0.000+/-0.000 χ²/NDF: 72.5/67


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1413001.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2073753.8/15
Left: 0.000+/-0.000 χ²/NDF: 3505410.5/32
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6747486.3/31
Out: 0.000+/-0.000 χ²/NDF:6586362.1/35
All: 0.000+/-0.000 χ²/NDF: 13351801.0/67



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1680.194+/-415.280 χ^2/NDF:14.2/15

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1693.930+/-406.238 χ^2/NDF:23.4/15

Left: 1687.213+/-290.398 χ^2/NDF: 37.6/31

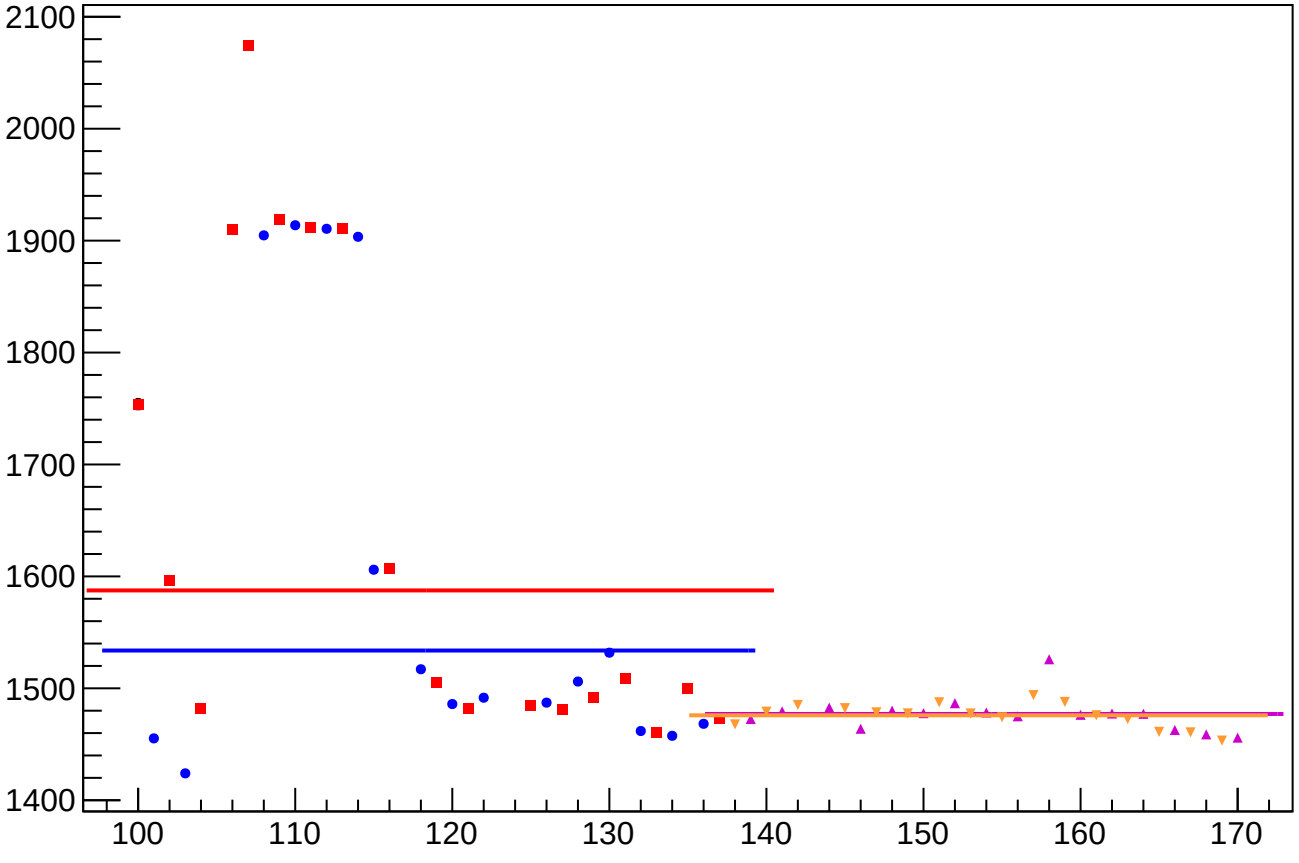
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1760.120+/-331.255 χ^2/NDF:35.7/31

Out: 1692.039+/-339.501 χ^2/NDF:30.2/33

All: 1726.916+/-237.094 χ^2/NDF: 65.9/65

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1475.886+/-0.294 χ^2/NDF:1290.7/15

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

Left: 1476.500+/-0.205 χ^2/NDF: 4109.2/31

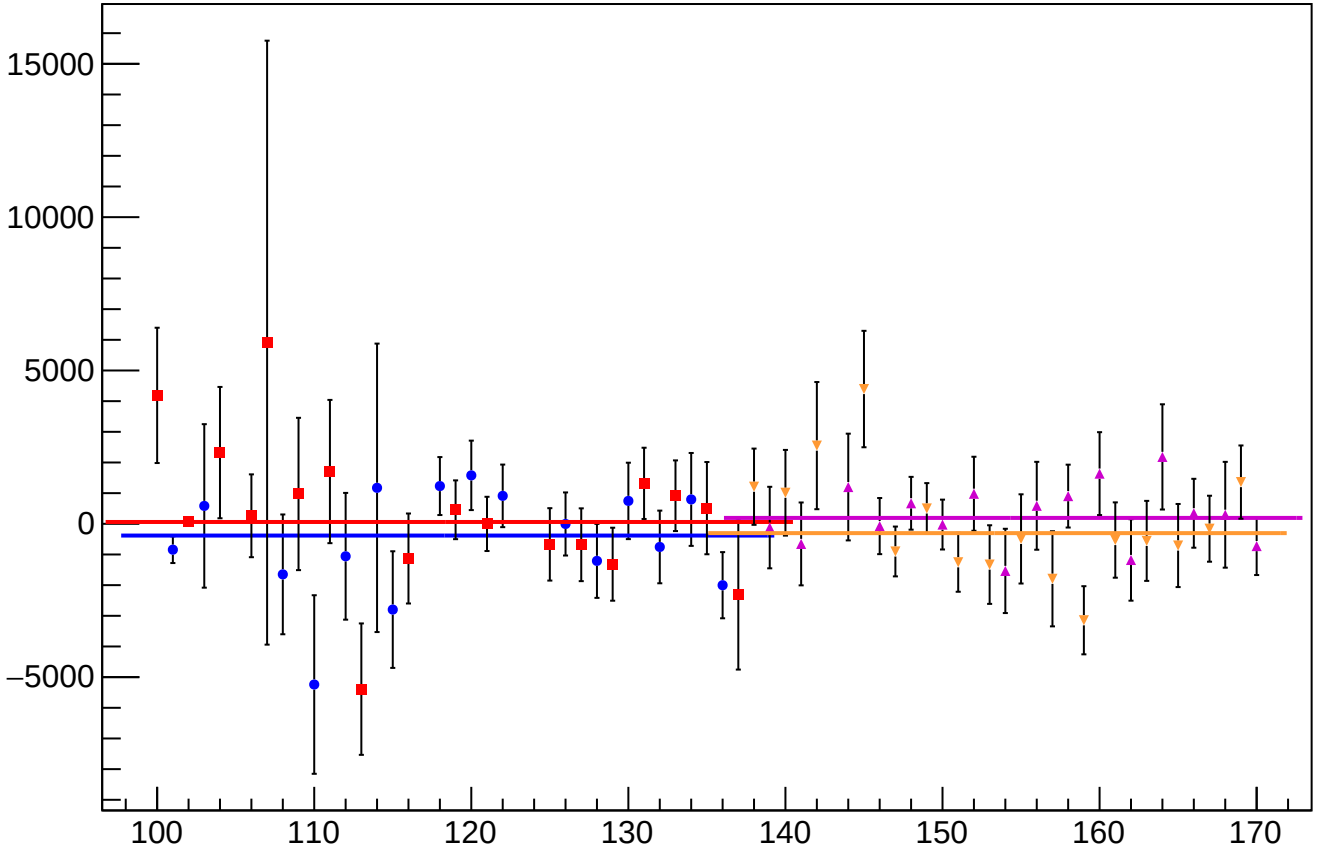
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1496.082+/-0.234 χ^2/NDF:145129.1/31

Out: 1512.891+/-0.240 χ^2/NDF:221160.8/33

All: 1504.280+/-0.168 χ^2/NDF: 368801.4/65

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -303.521+/-296.203 χ^2/NDF:23.1/15

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 192.448+/-290.385 χ^2/NDF:8.3/15

Left: -50.617+/-207.360 χ^2/NDF: 32.9/31

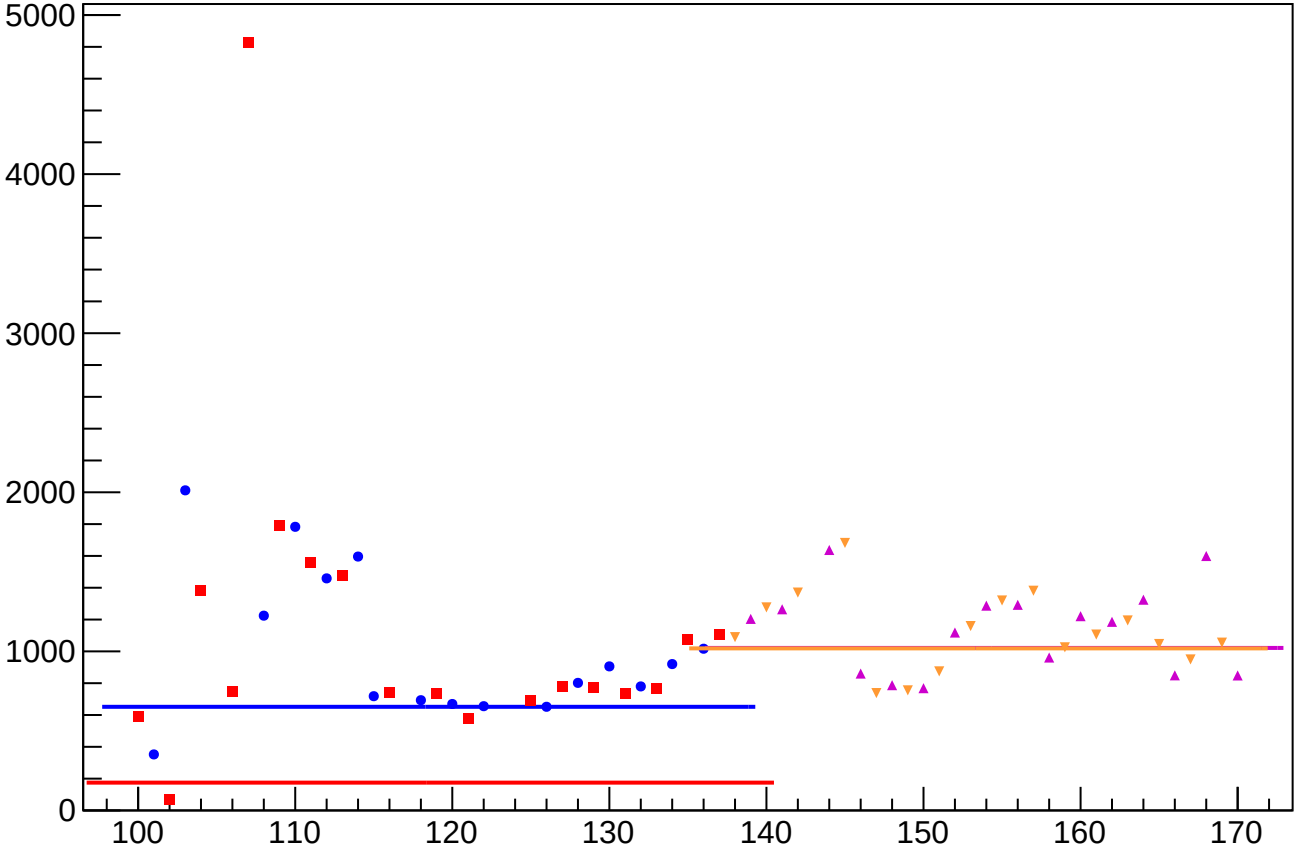
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -113.735+/-198.596 χ^2/NDF:28.6/31

Out: 2.998+/-117.267 χ^2/NDF:42.1/33

All: -27.180+/-100.977 χ^2/NDF: 71.0/65

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1018.788+/-0.209 χ^2/NDF:1139917.7/15

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1021.630+/-0.205 χ^2/NDF:1397710.8/15

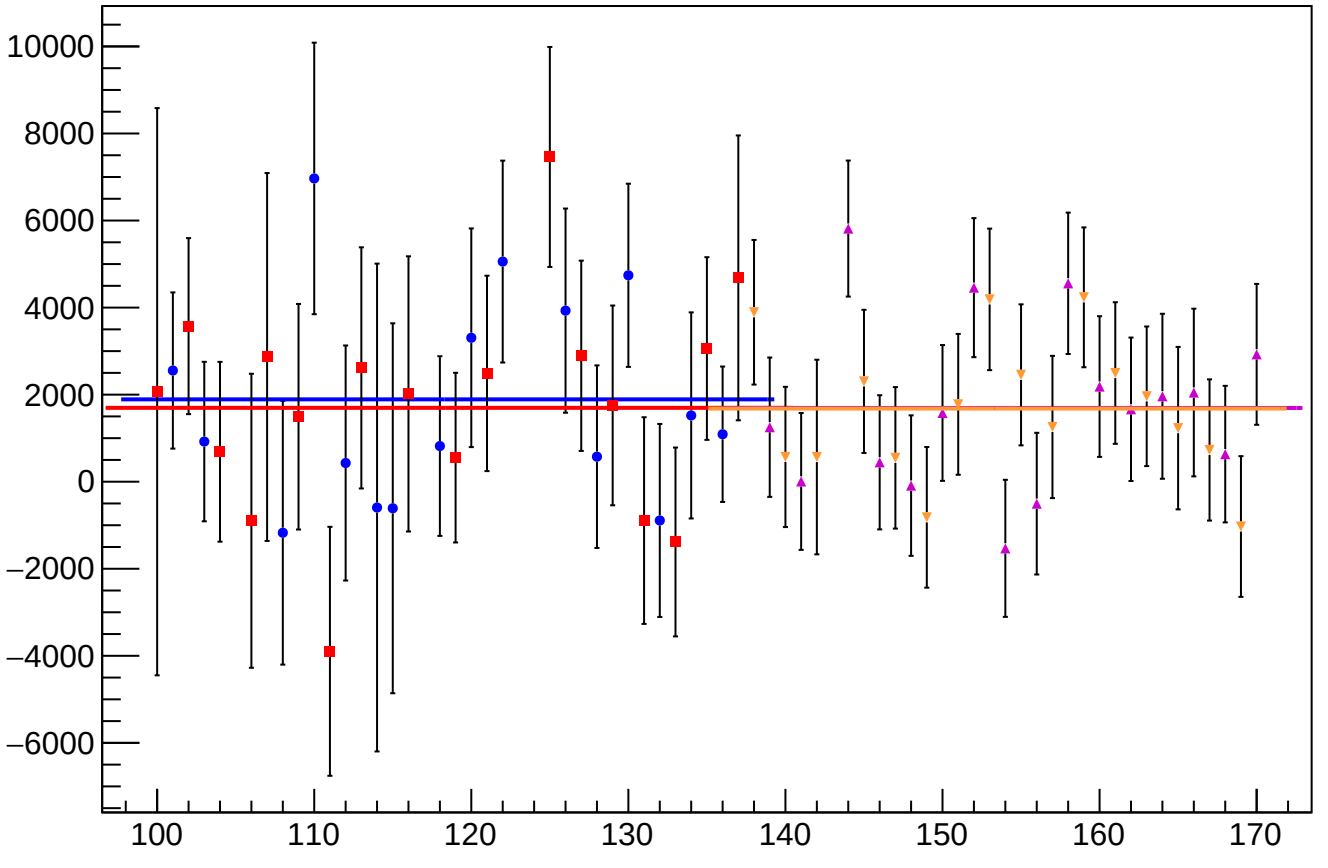
Left: 1020.237+/-0.147 χ^2/NDF: 2537722.3/31

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 824.632+/-0.140 χ^2/NDF:5889668.9/31

Out: 307.166+/-0.083 χ^2/NDF:24590578.6/33

All: 440.945+/-0.071 χ^2/NDF: 40548364.0/65



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1680.148+/-415.280 χ^2/NDF:14.2/15

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1694.005+/-406.238 χ^2/NDF:23.4/15

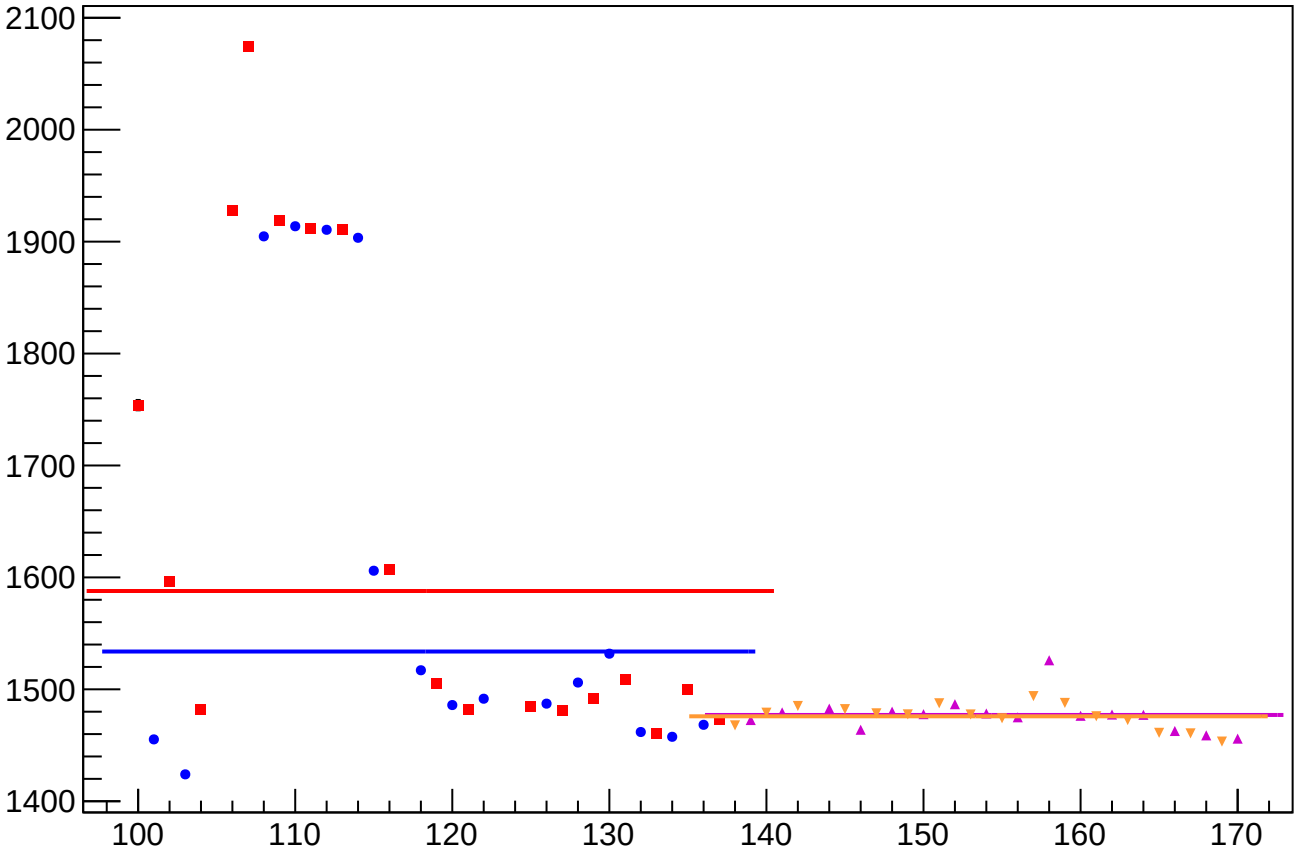
Left: 1687.229+/-290.398 χ^2/NDF: 37.6/31

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1760.204+/-331.255 χ^2/NDF:35.7/31

Out: 1685.730+/-339.536 χ^2/NDF:30.4/33

All: 1723.887+/-237.106 χ^2/NDF: 66.1/65



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1475.886+/-0.294 χ^2/NDF:1290.7/15

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

Left: 1476.500+/-0.205 χ^2/NDF: 4109.2/31

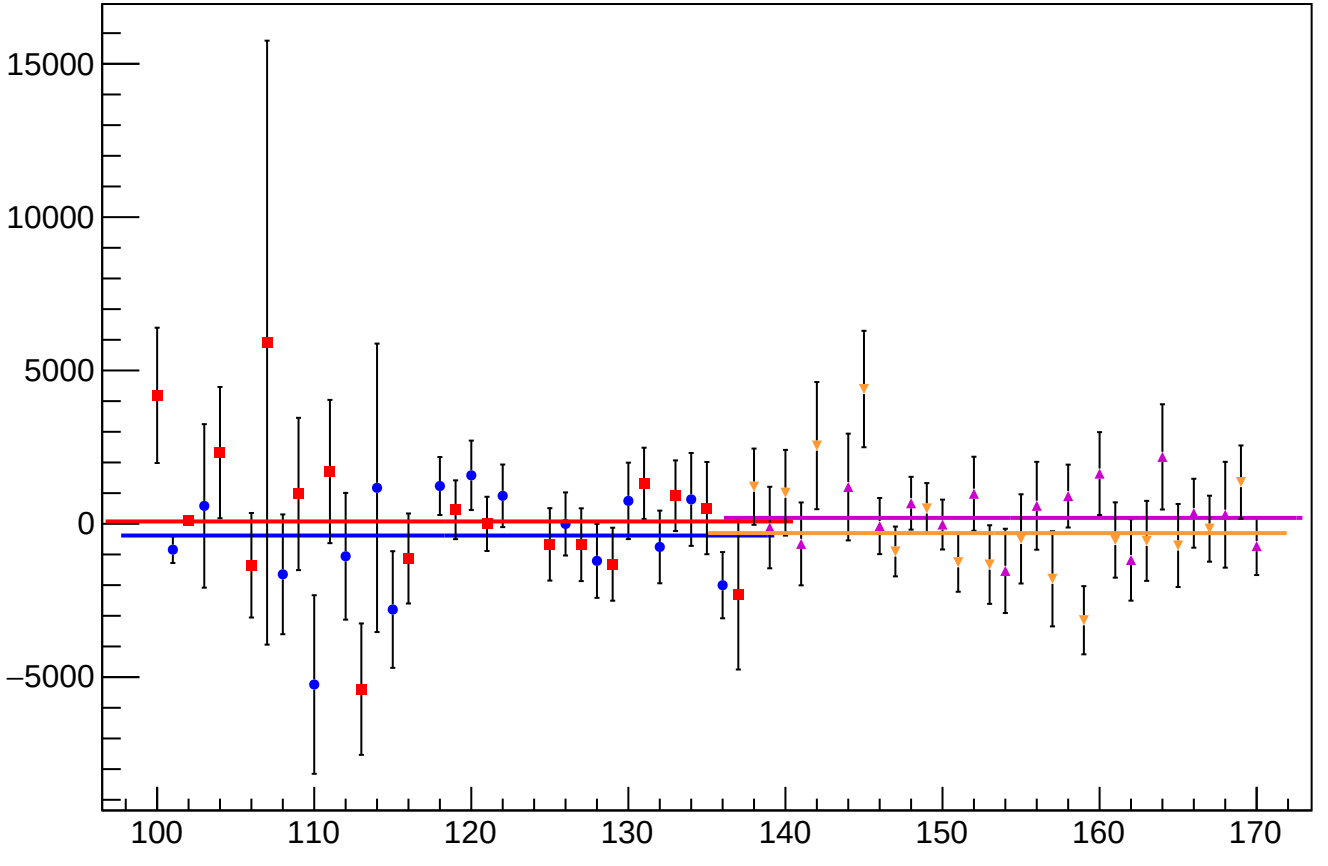
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1496.082+/-0.234 χ^2/NDF:145129.0/31

Out: 1513.003+/-0.240 χ^2/NDF:223250.6/33

All: 1504.334+/-0.168 χ^2/NDF: 370924.6/65

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -303.534+/-296.204 χ^2/NDF:23.1/15

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 192.486+/-290.385 χ^2/NDF:8.3/15

Left: -50.604+/-207.360 χ^2/NDF: 32.9/31

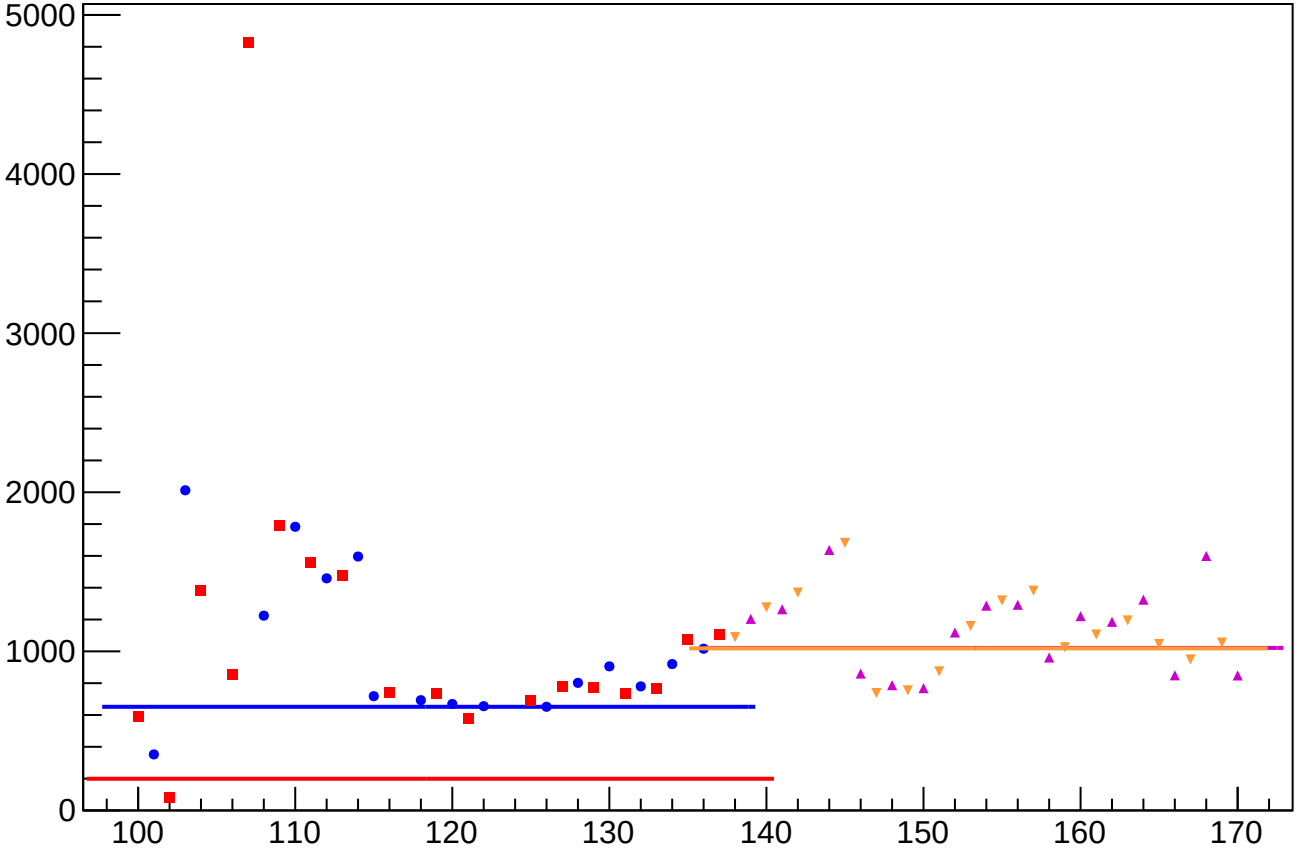
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.703+/-198.596 χ^2/NDF:28.6/31

Out: 8.820+/-125.192 χ^2/NDF:42.9/33

All: -26.023+/-105.906 χ^2/NDF: 71.8/65

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1018.790+/-0.209 χ^2/NDF:1139928.9/15

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

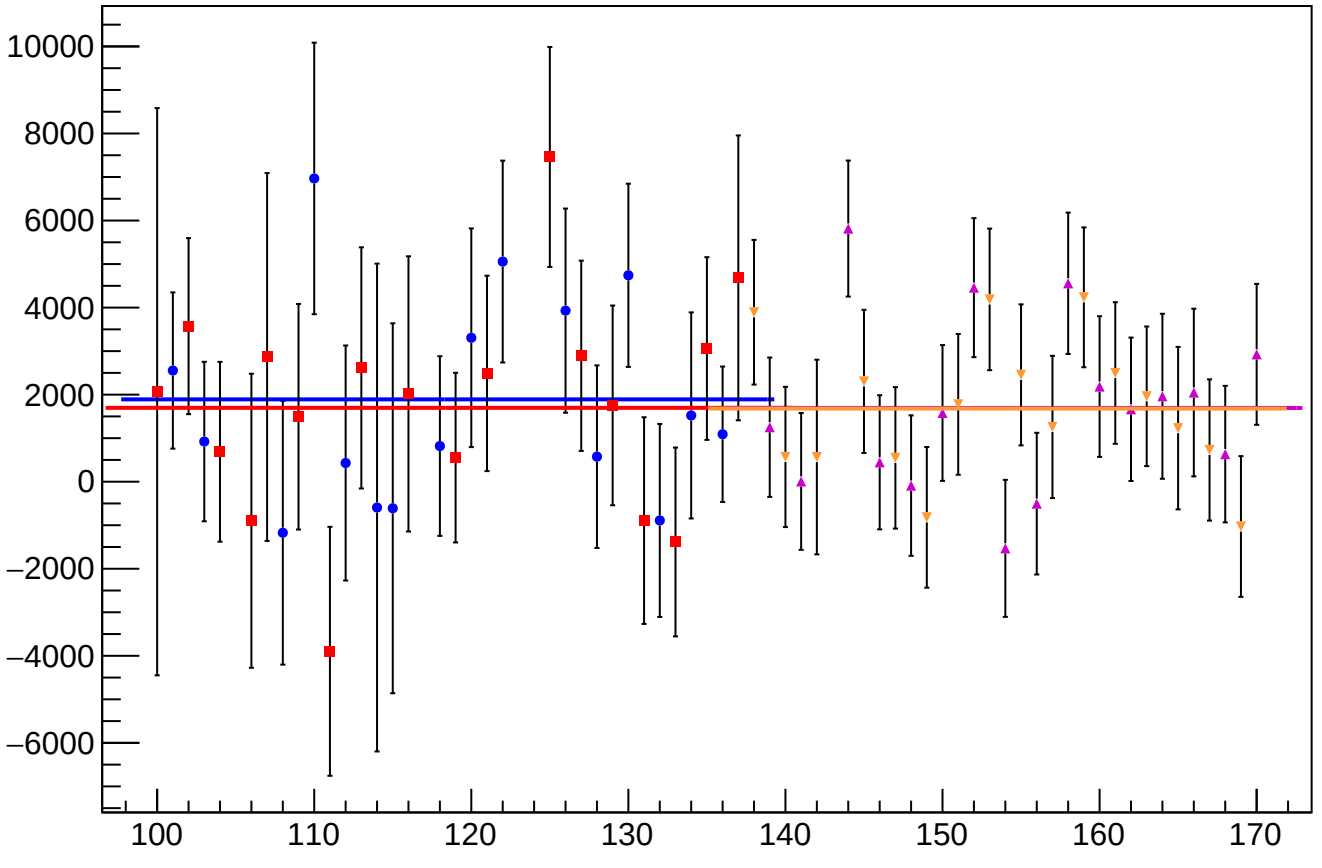
Left: 1020.238+/-0.147 χ^2/NDF: 2537826.8/31

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 824.630+/-0.140 χ^2/NDF:5889797.5/31

Out: 345.728+/-0.089 χ^2/NDF:22997312.5/33

All: 481.918+/-0.075 χ^2/NDF: 37209843.8/65



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1680.148+/-415.280 χ^2/NDF:14.2/15

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1694.005+/-406.238 χ^2/NDF:23.4/15

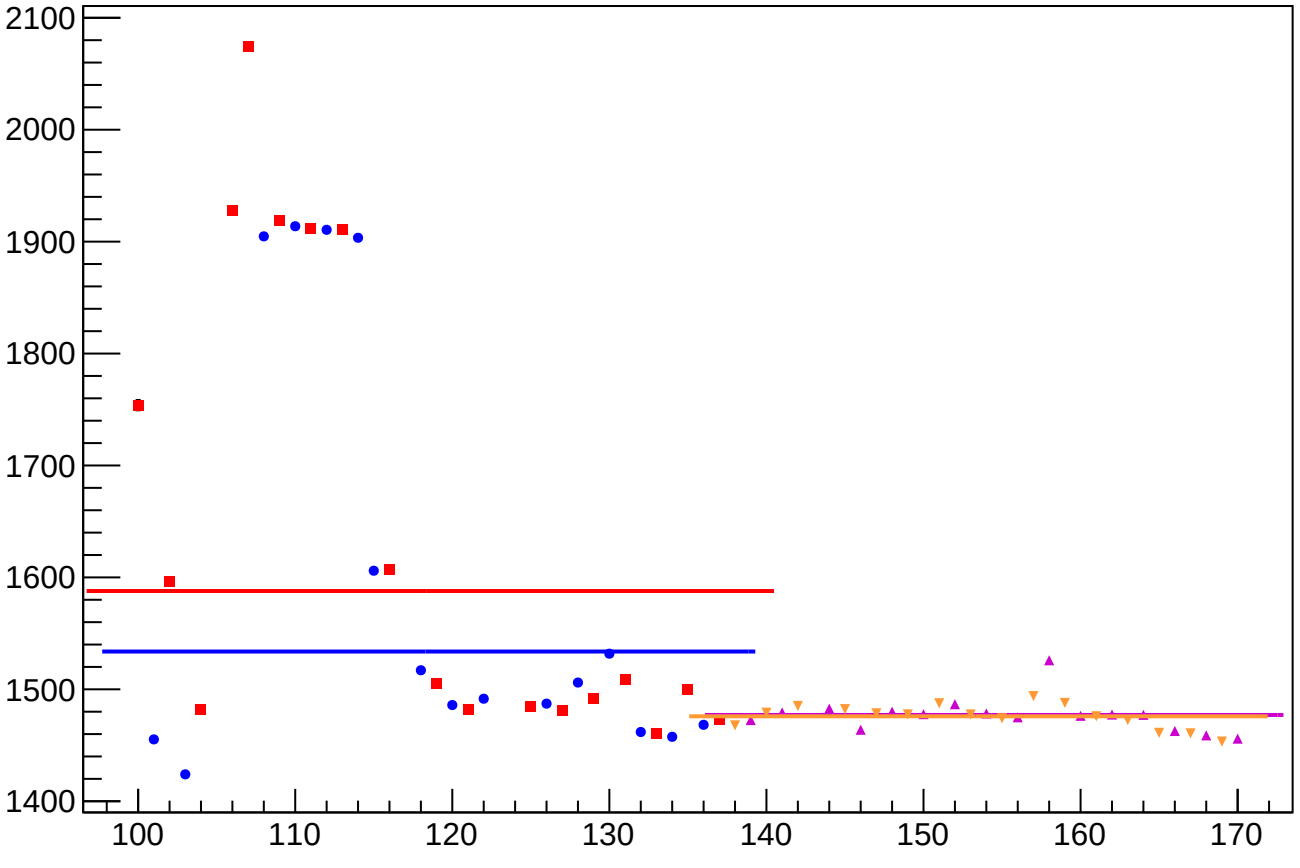
Left: 1687.229+/-290.398 χ^2/NDF: 37.6/31

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1760.204+/-331.255 χ^2/NDF:35.7/31

Out: 1685.730+/-339.536 χ^2/NDF:30.4/33

All: 1723.887+/-237.106 χ^2/NDF: 66.1/65



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1475.886+/-0.294 χ^2/NDF:1290.7/15

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

Left: 1476.500+/-0.205 χ^2/NDF: 4109.2/31

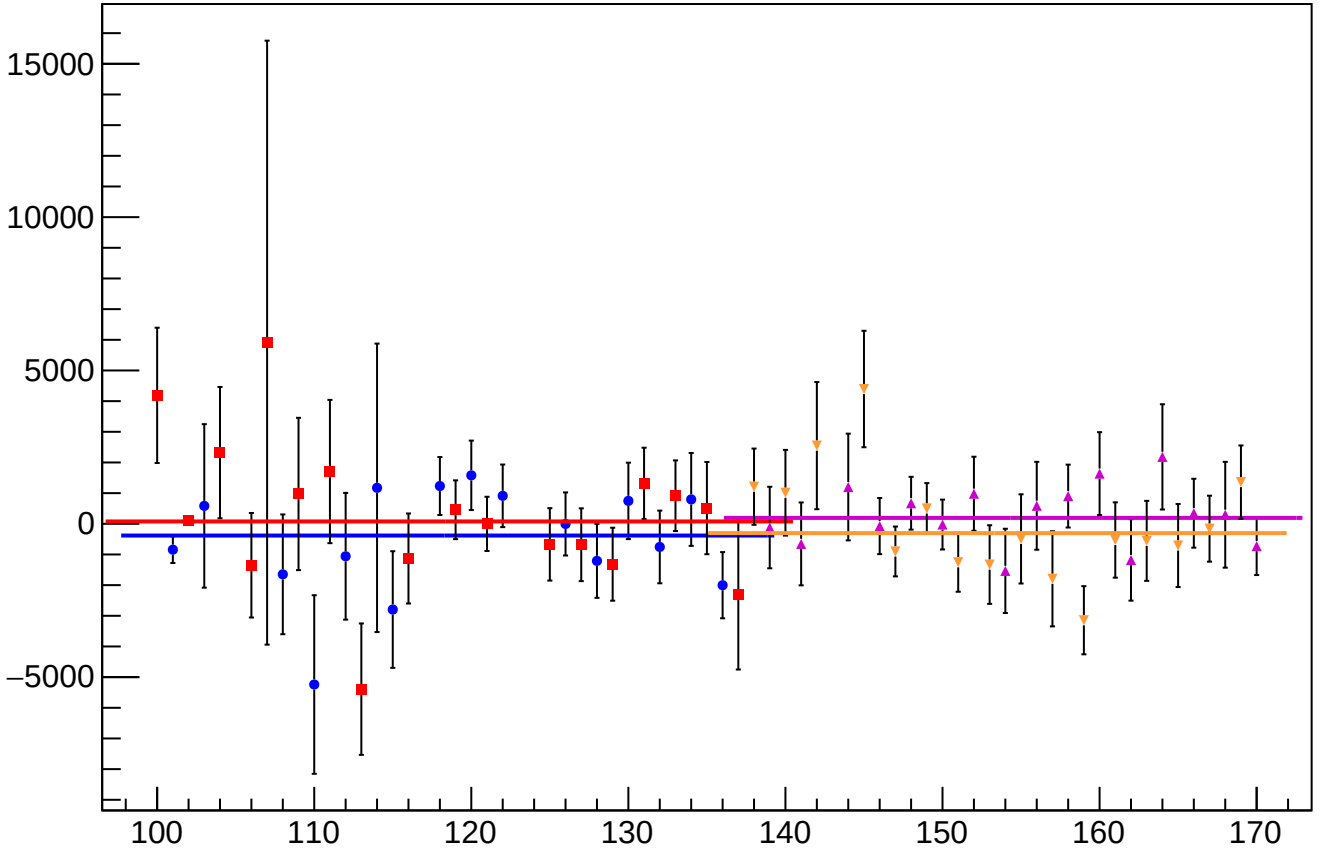
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1496.082+/-0.234 χ^2/NDF:145129.0/31

Out: 1513.003+/-0.240 χ^2/NDF:223250.6/33

All: 1504.334+/-0.168 χ^2/NDF: 370924.6/65

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: -303.534+/-296.204 χ^2/NDF:23.1/15

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 192.486+/-290.385 χ^2/NDF:8.3/15

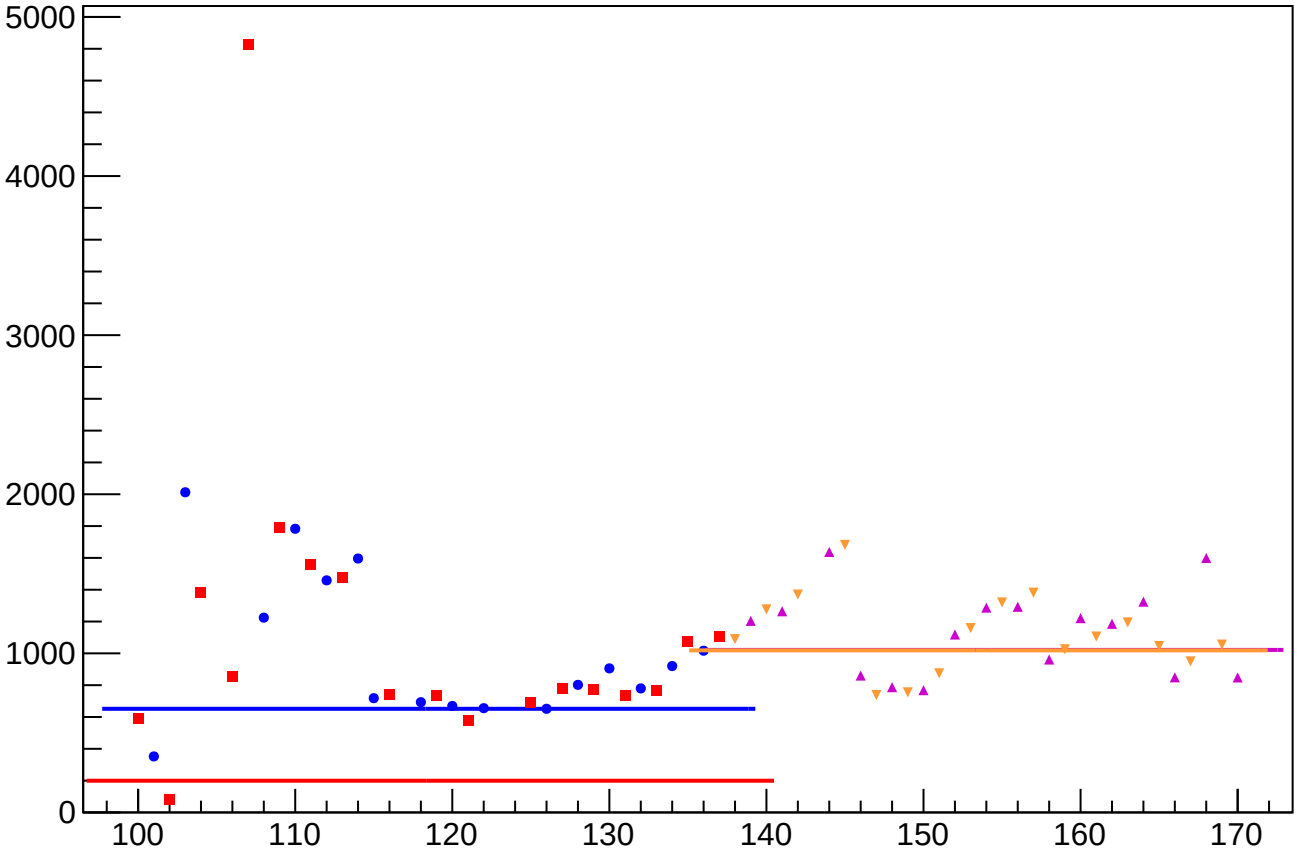
Left: -50.604+/-207.360 χ^2/NDF: 32.9/31

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.703+/-198.596 χ^2/NDF:28.6/31

Out: 8.820+/-125.192 χ^2/NDF:42.9/33

All: -26.023+/-105.906 χ^2/NDF: 71.8/65



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1018.790+/-0.209 χ^2/NDF:1139928.9/15

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

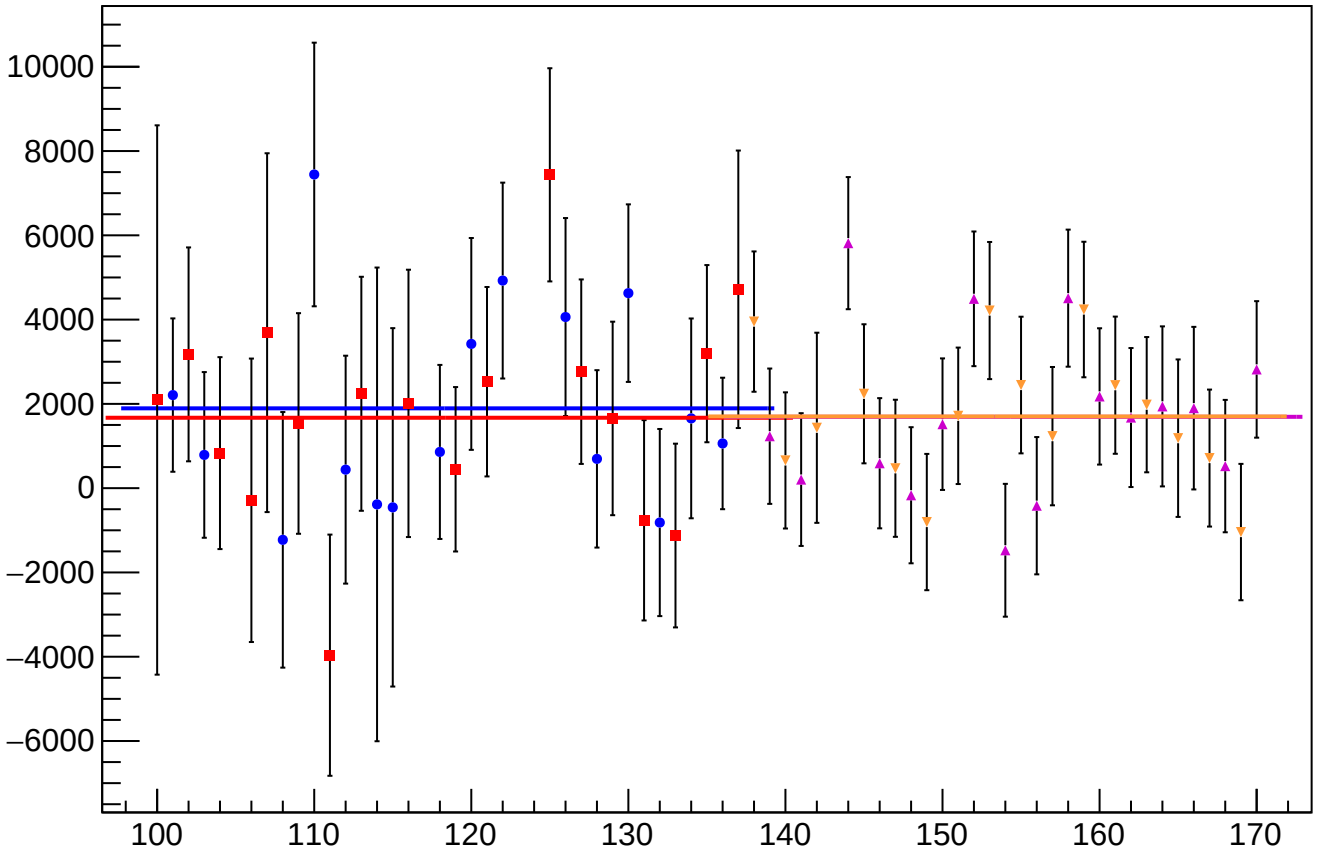
Left: 1020.238+/-0.147 χ^2/NDF: 2537826.8/31

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 824.630+/-0.140 χ^2/NDF:5889797.5/31

Out: 345.728+/-0.089 χ^2/NDF:22997312.5/33

All: 481.918+/-0.075 χ^2/NDF: 37209843.8/65



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1701.541+/-416.024 χ^2/NDF:14.1/15

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1693.053+/-406.826 χ^2/NDF:22.7/15

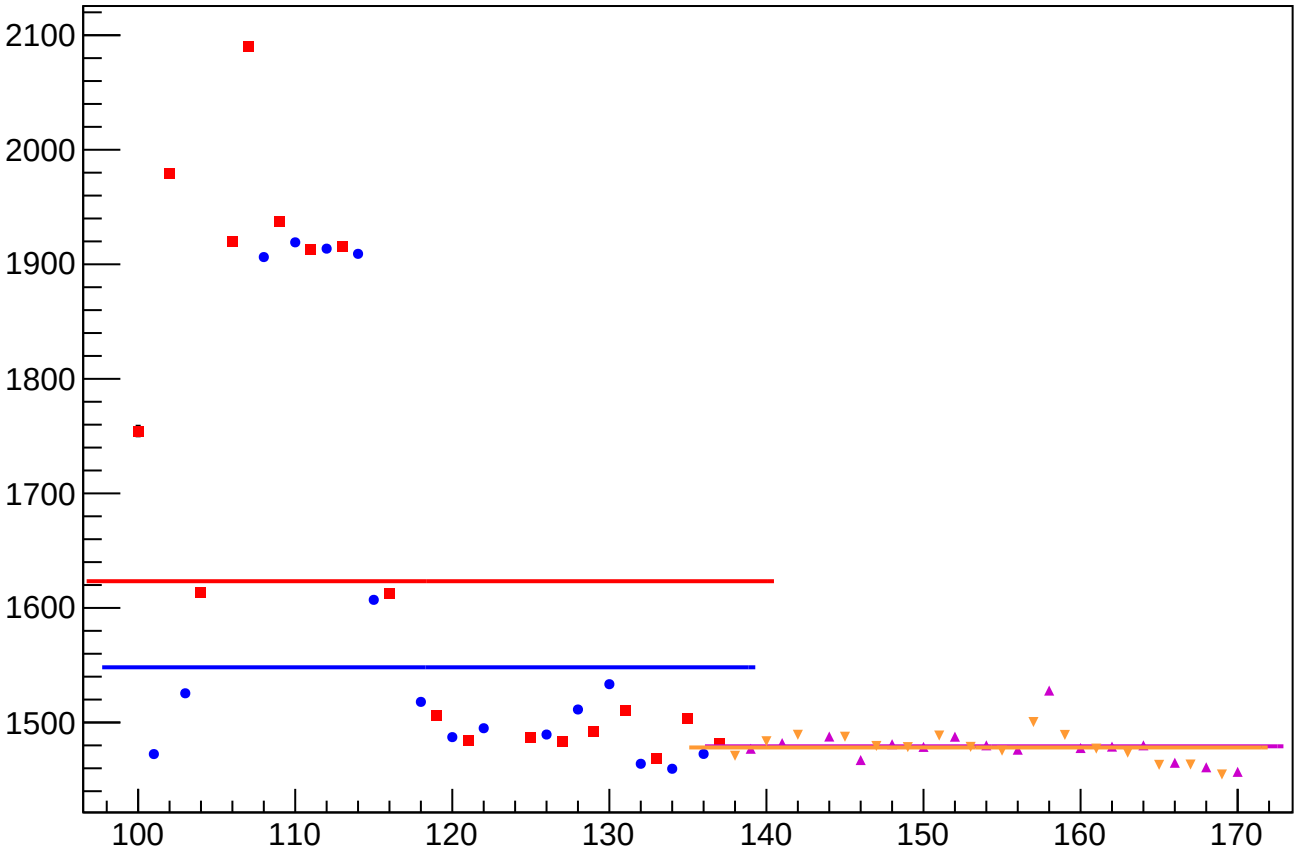
Left: 1697.202+/-290.867 χ^2/NDF: 36.7/31

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1759.738+/-332.611 χ^2/NDF:35.0/31

Out: 1691.711+/-342.769 χ^2/NDF:29.1/33

All: 1726.747+/-238.702 χ^2/NDF: 64.2/65



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1478.192+/-0.294 χ^2/NDF:1463.0/15

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1479.205+/-0.288 χ^2/NDF:2807.2/15

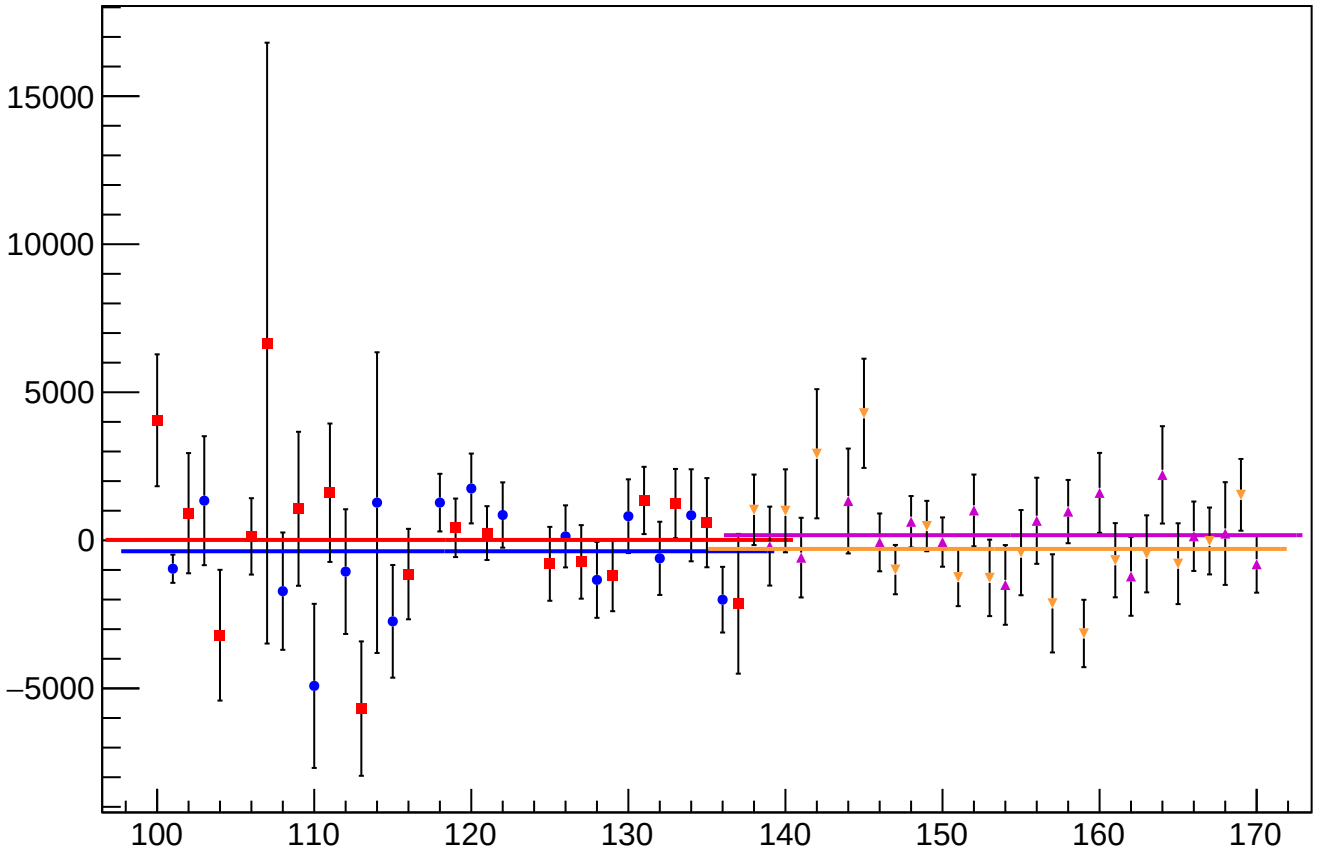
Left: 1478.709+/-0.206 χ^2/NDF: 4276.3/31

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1502.073+/-0.235 χ^2/NDF:141771.4/31

Out: 1524.805+/-0.242 χ^2/NDF:291175.3/33

All: 1513.097+/-0.169 χ^2/NDF: 437477.1/65



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -290.160+/-301.063 χ^2/NDF:23.6/15

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 174.077+/-295.382 χ^2/NDF:8.7/15

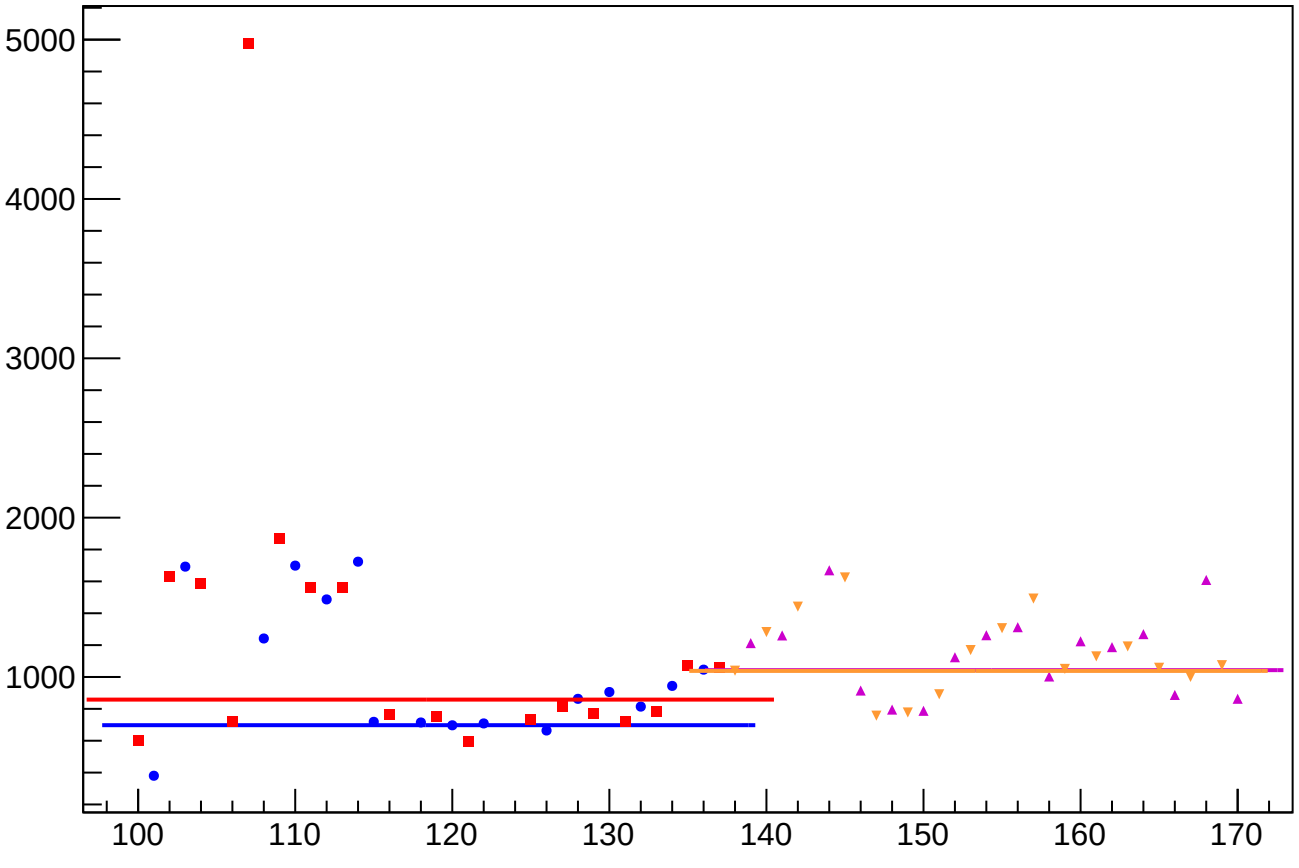
Left: -53.620+/-210.846 χ^2/NDF: 33.5/31

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -105.527+/-205.683 χ^2/NDF:29.4/31

Out: -157.294+/-225.854 χ^2/NDF:43.1/33

All: -128.996+/-152.072 χ^2/NDF: 72.5/65



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.289+/-0.213 χ^2/NDF:1074524.4/15

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1042.966+/-0.209 χ^2/NDF:1268845.9/15

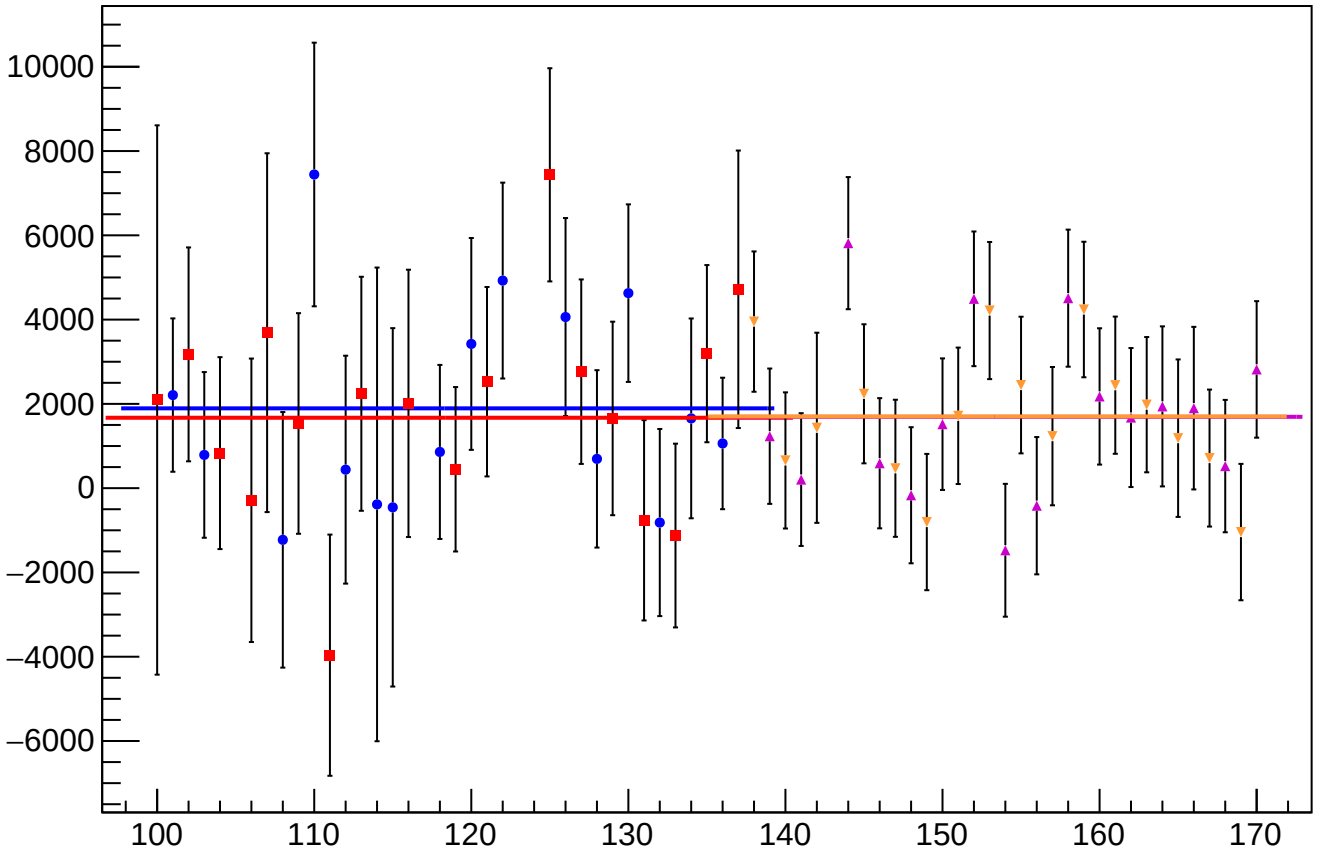
Left: 1040.672+/-0.149 χ^2/NDF: 2343616.1/31

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 865.016+/-0.145 χ^2/NDF:5113559.8/31

Out: 959.505+/-0.160 χ^2/NDF:3269940.5/33

All: 907.853+/-0.108 χ^2/NDF: 8574857.4/65



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1701.539+/-416.024 χ^2/NDF:14.1/15

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1693.054+/-406.826 χ^2/NDF:22.7/15

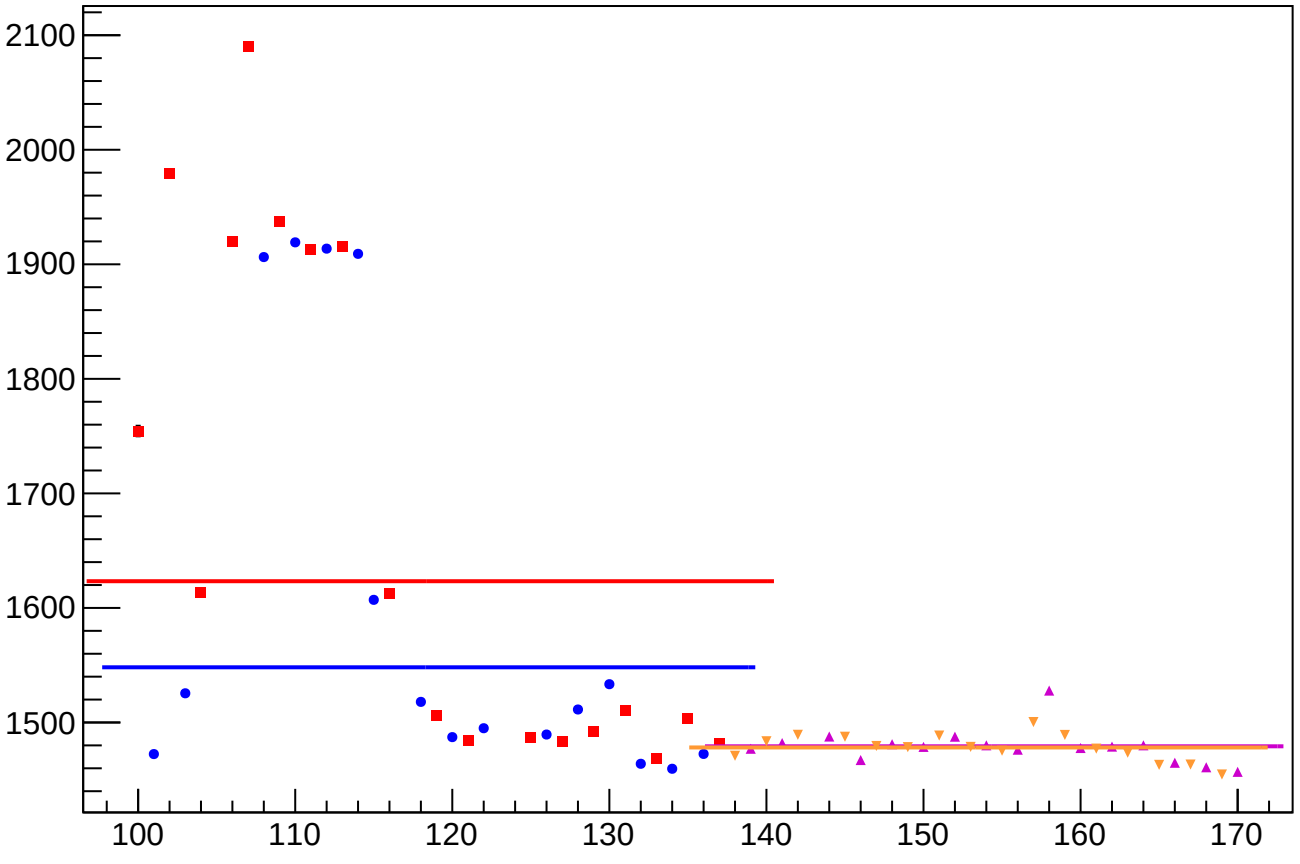
Left: 1697.202+/-290.867 χ^2/NDF: 36.7/31

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1759.738+/-332.611 χ^2/NDF:35.0/31

Out: 1691.709+/-342.769 χ^2/NDF:29.1/33

All: 1726.746+/-238.702 χ^2/NDF: 64.2/65



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1478.192+/-0.294 χ^2/NDF:1463.0/15

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1479.205+/-0.288 χ^2/NDF:2807.2/15

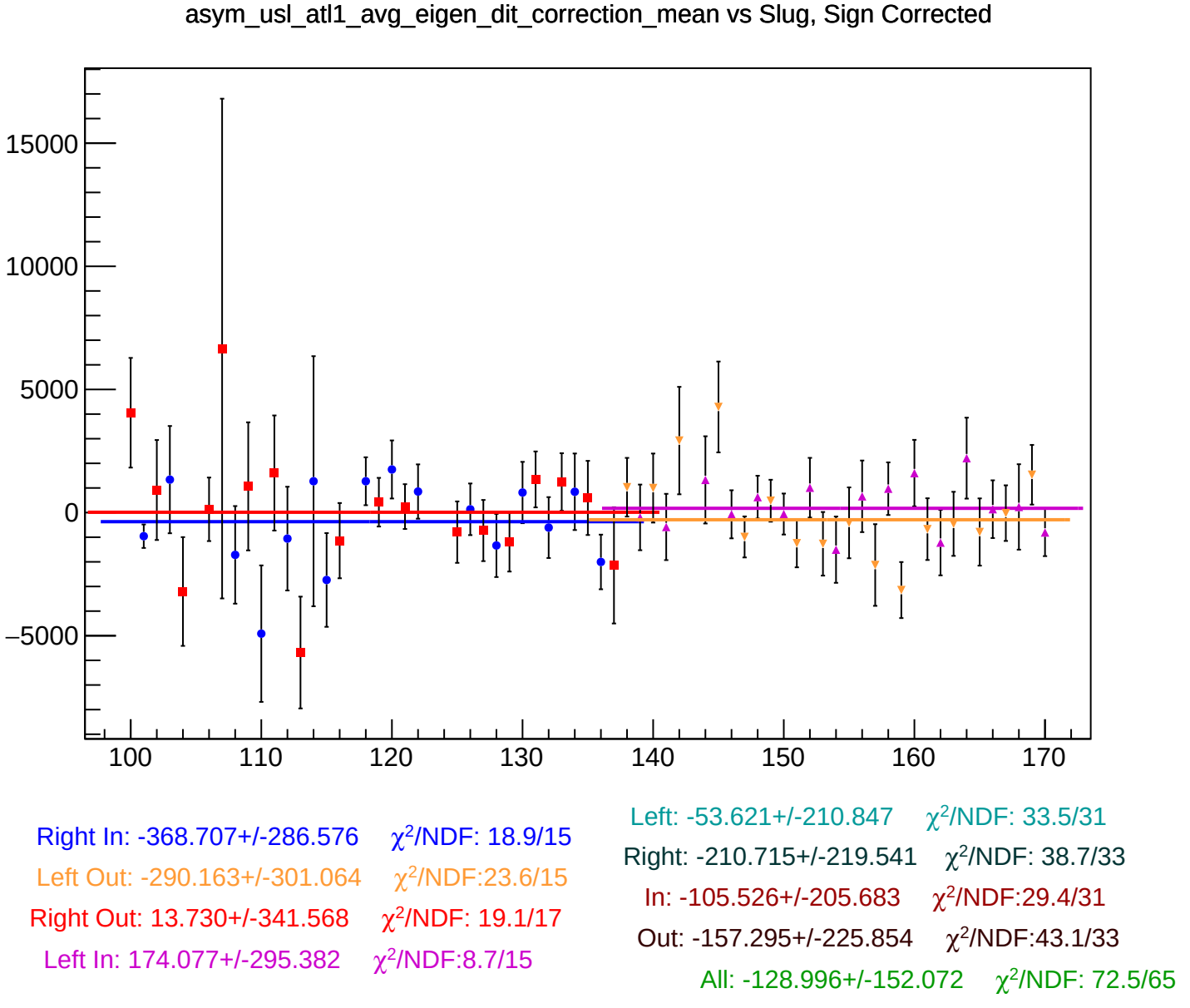
Left: 1478.709+/-0.206 χ^2/NDF: 4276.3/31

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

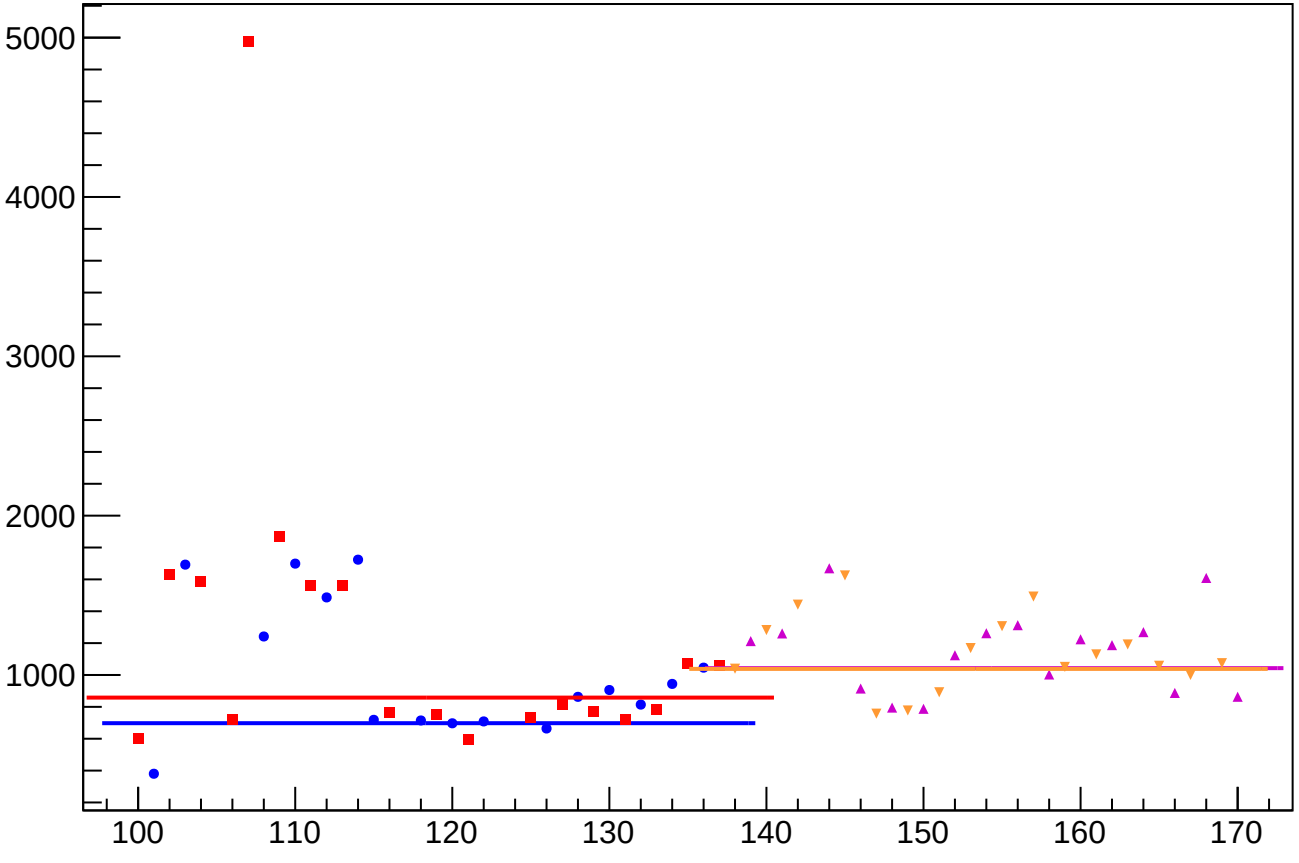
In: 1502.073+/-0.235 χ^2/NDF:141771.3/31

Out: 1524.805+/-0.242 χ^2/NDF:291174.8/33

All: 1513.097+/-0.169 χ^2/NDF: 437476.6/65


asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -368.707+/-286.576 χ²/NDF: 18.9/15
Left Out: -290.163+/-301.064 χ²/NDF:23.6/15
Right Out: 13.730+/-341.568 χ²/NDF: 19.1/17
Left In: 174.077+/-295.382 χ²/NDF:8.7/15
Left: -53.621+/-210.847 χ²/NDF: 33.5/31
Right: -210.715+/-219.541 χ²/NDF: 38.7/33
In: -105.526+/-205.683 χ²/NDF:29.4/31
Out: -157.295+/-225.854 χ²/NDF:43.1/33
All: -128.996+/-152.072 χ²/NDF: 72.5/65

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: 1038.291+/-0.213 χ^2/NDF:1074522.0/15

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1042.968+/-0.209 χ^2/NDF:1268842.5/15

Left: 1040.674+/-0.149 χ^2/NDF: 2343610.5/31

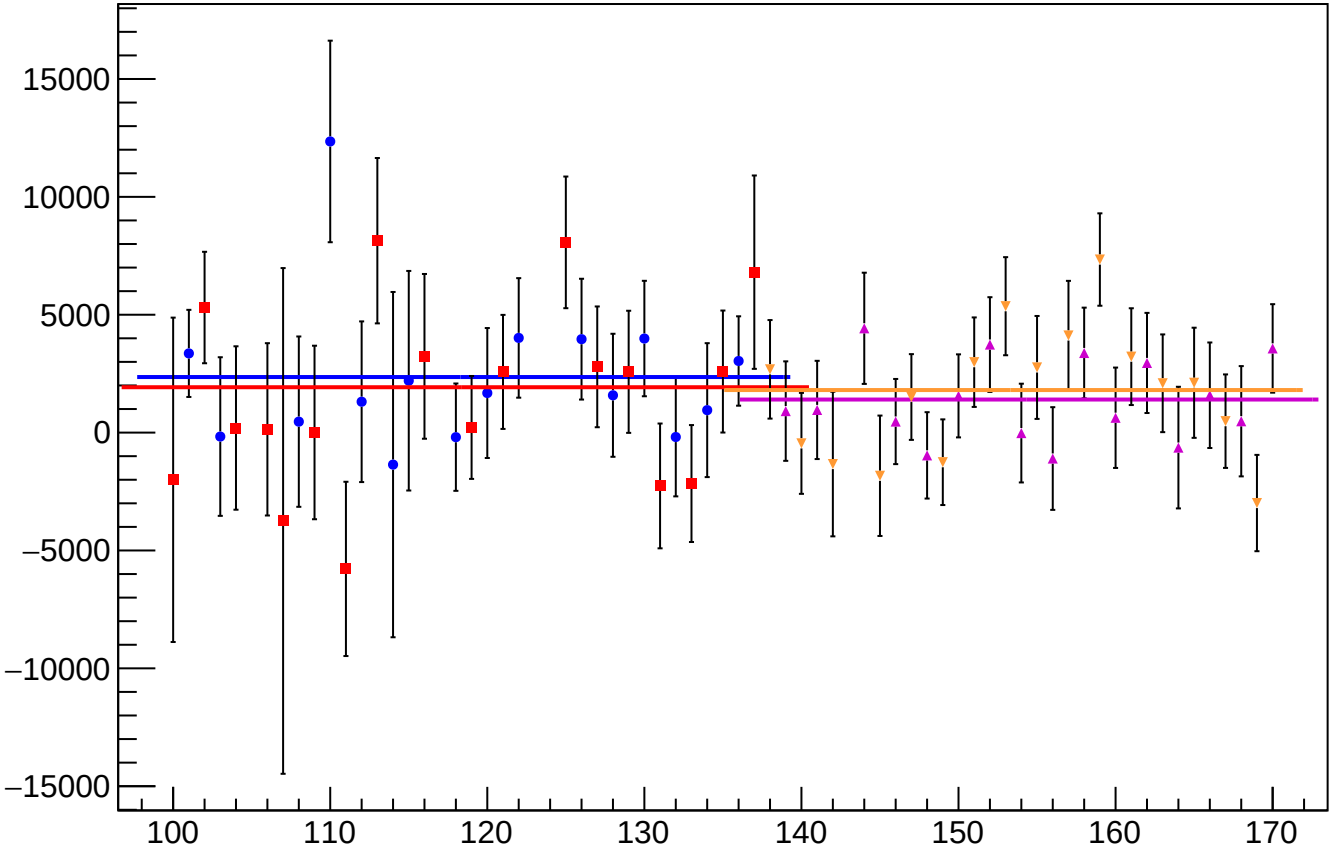
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 865.016+/-0.145 χ^2/NDF:5113560.1/31

Out: 959.505+/-0.160 χ^2/NDF:3269959.2/33

All: 907.854+/-0.108 χ^2/NDF: 8574873.8/65

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1804.952+/-525.304 χ^2/NDF:26.2/15

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1402.841+/-514.528 χ^2/NDF:10.7/15

Left: 1599.730+/-367.577 χ^2/NDF: 37.1/31

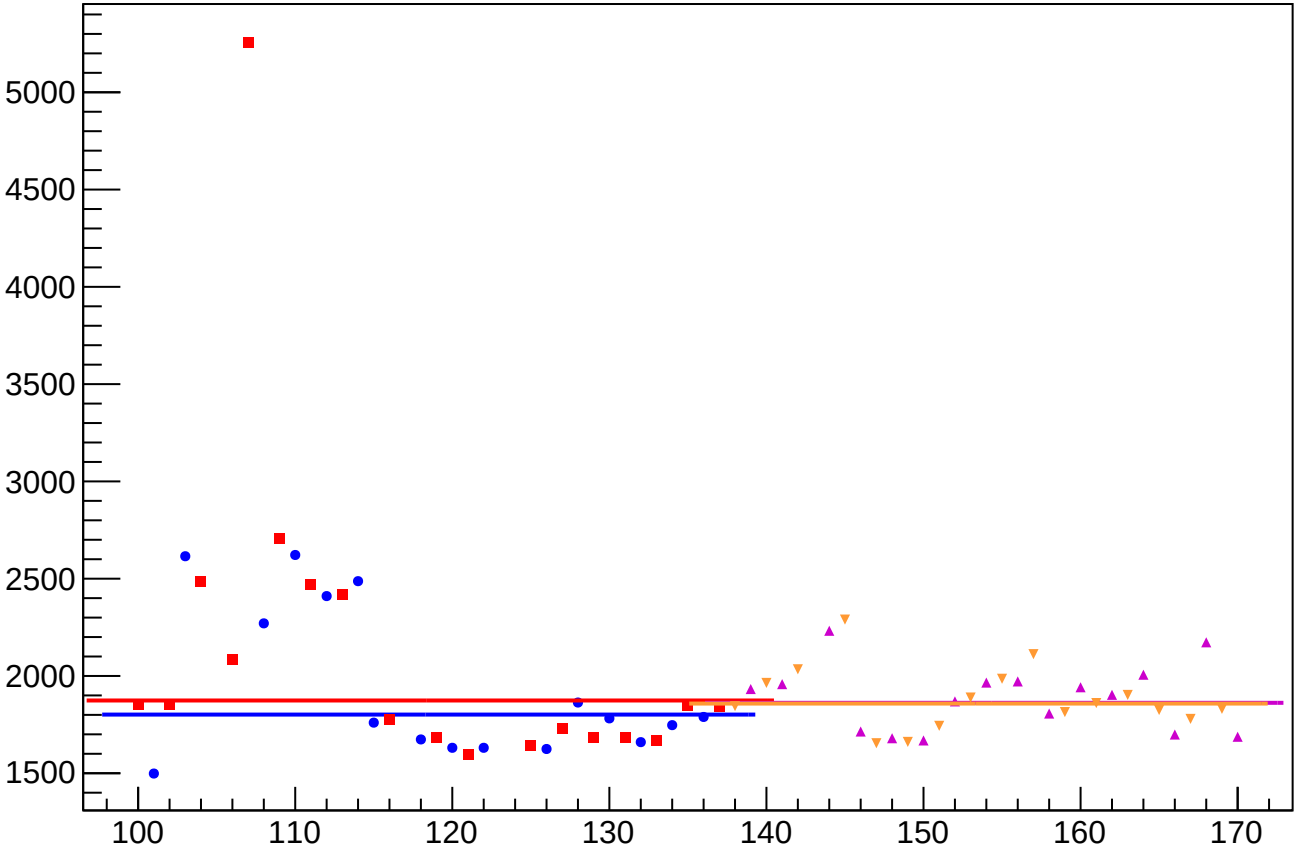
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1750.921+/-410.075 χ^2/NDF:22.9/31

Out: 1847.605+/-421.614 χ^2/NDF:49.6/33

All: 1797.921+/-293.962 χ^2/NDF: 72.6/65

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1858.145+/-0.371 χ^2/NDF:161775.9/15

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1861.977+/-0.364 χ^2/NDF:197804.5/15

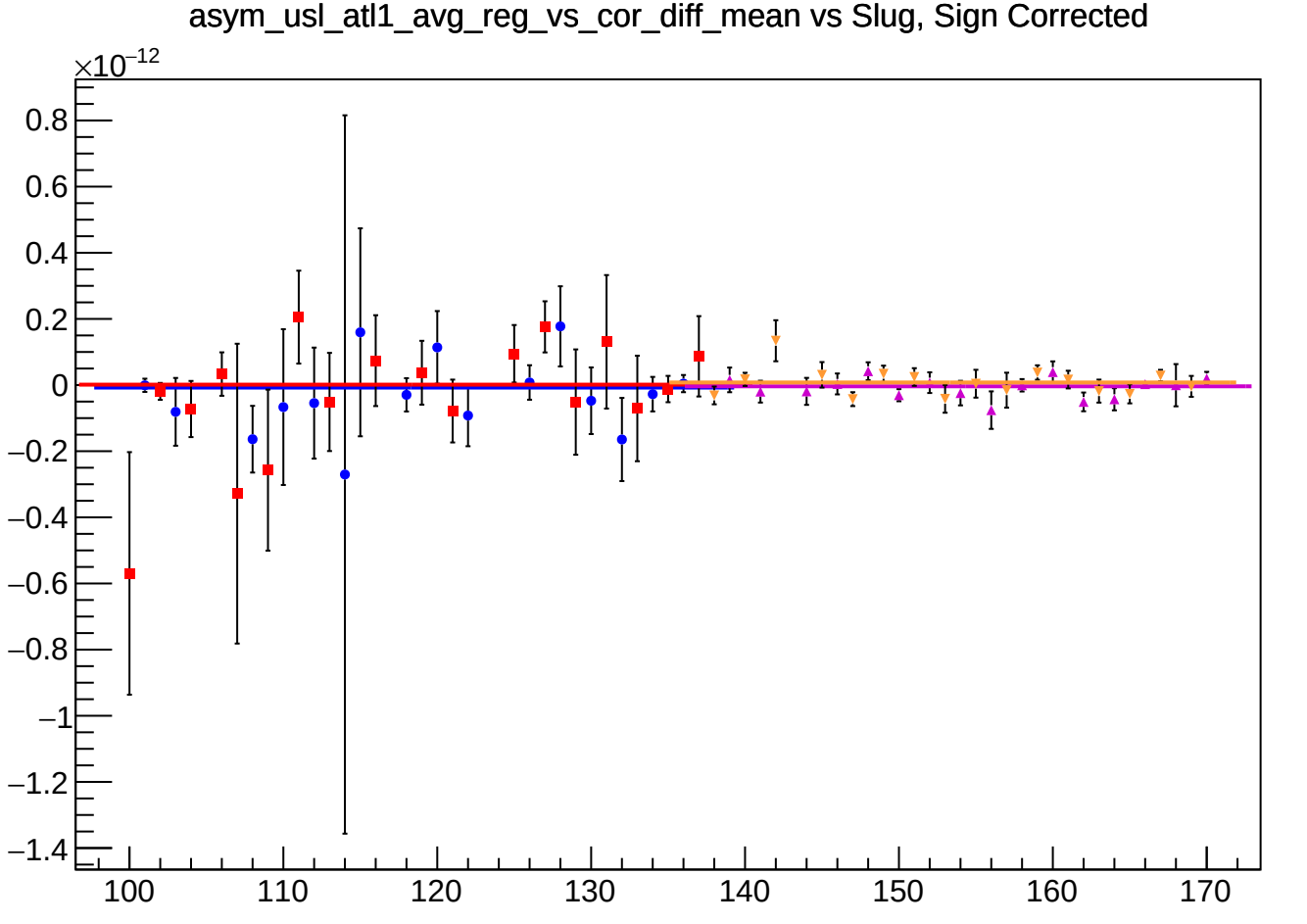
Left: 1860.101+/-0.260 χ^2/NDF: 359634.7/31

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1839.926+/-0.290 χ^2/NDF:608577.4/31

Out: 1863.778+/-0.298 χ^2/NDF:732331.2/33

All: 1851.521+/-0.208 χ^2/NDF: 1344198.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.3/15

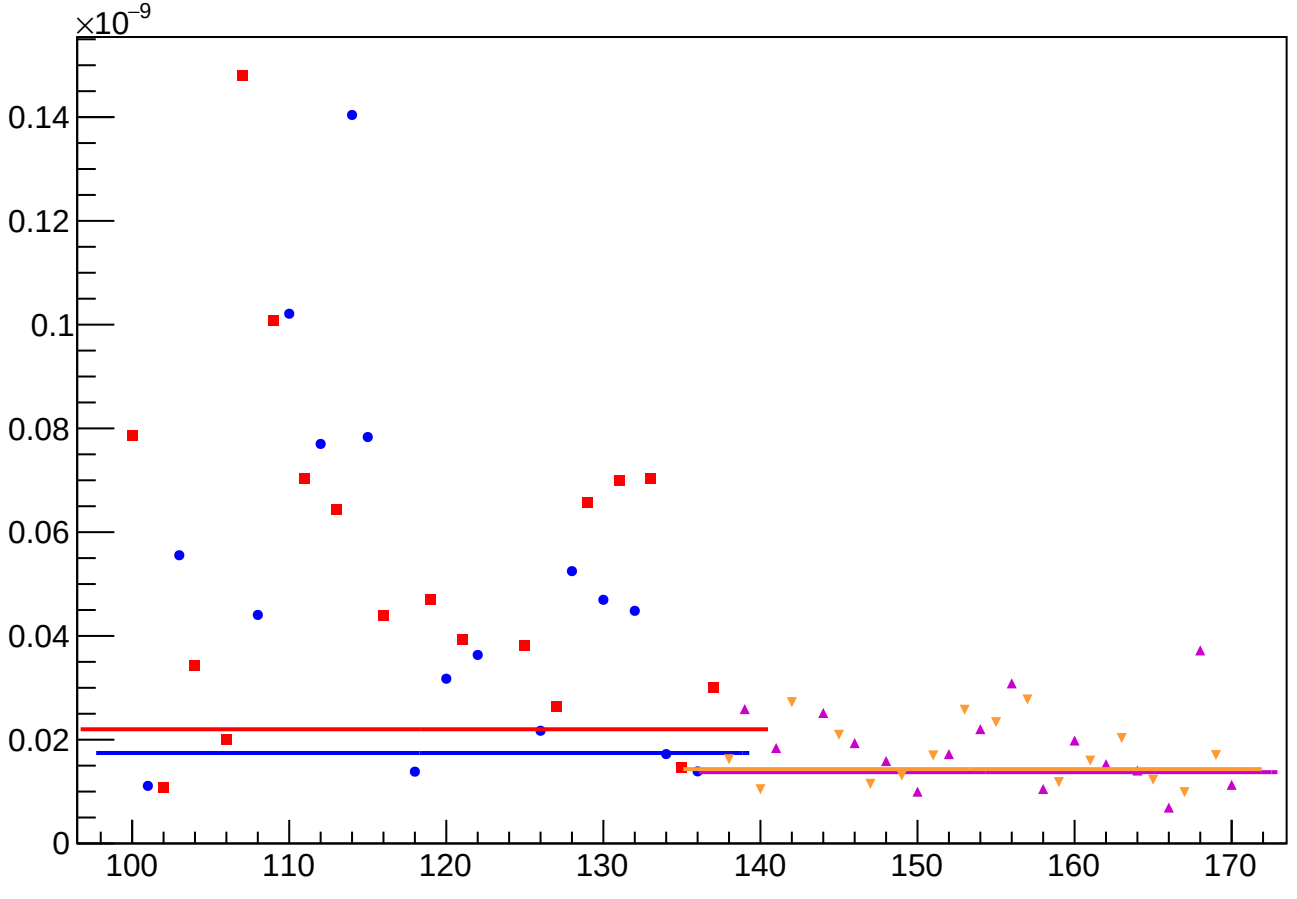
Left: 0.000+/-0.000 χ^2/NDF: 38.0/31

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:25.6/31

Out: 0.000+/-0.000 χ^2/NDF:38.0/33

All: 0.000+/-0.000 χ^2/NDF: 65.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:908586.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1731801.1/15

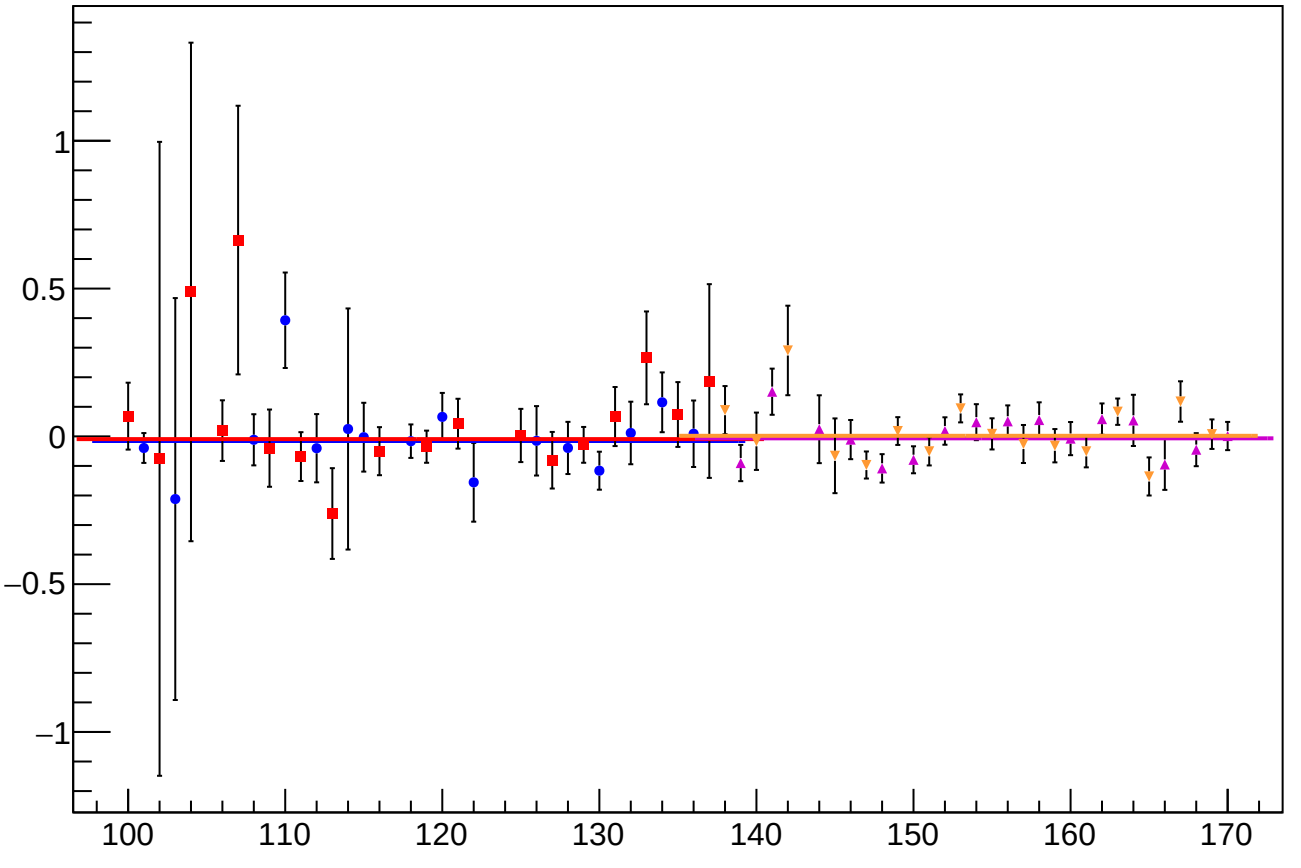
Left: 0.000+/-0.000 χ^2/NDF: 2647928.2/31

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3698083.7/31

Out: 0.000+/-0.000 χ^2/NDF:3353466.3/33

All: 0.000+/-0.000 χ^2/NDF: 7072446.0/65



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.014 χ^2/NDF:27.2/15

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.9/15

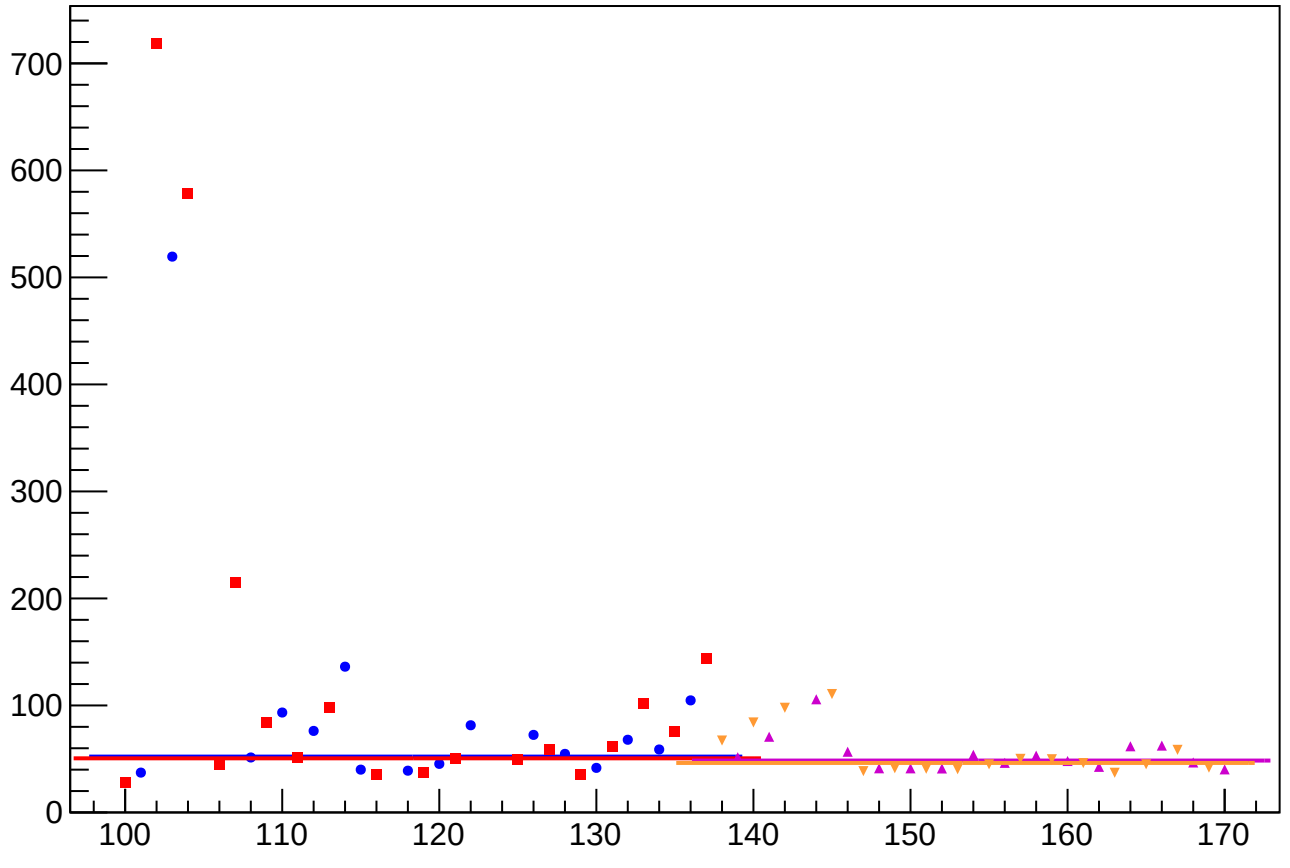
Left: -0.002+/-0.010 χ^2/NDF: 47.2/31

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: -0.001+/-0.012 χ^2/NDF:39.8/33

All: -0.005+/-0.009 χ^2/NDF: 73.2/65



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.266+/-0.010 χ^2/NDF:1502251.0/15

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.491+/-0.010 χ^2/NDF:1060157.2/15

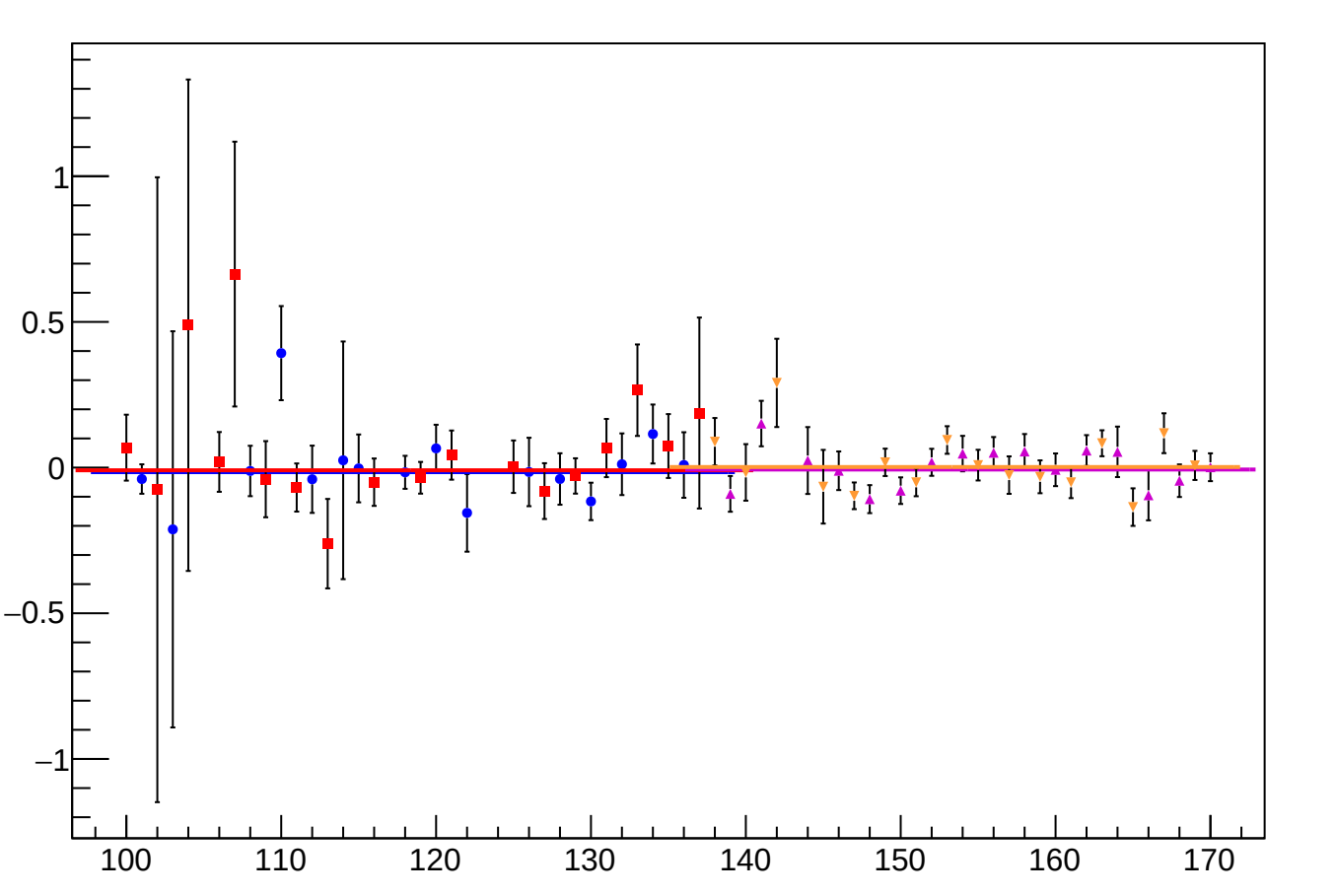
Left: 47.368+/-0.007 χ^2/NDF: 2585913.7/31

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.575+/-0.009 χ^2/NDF:3364831.8/31

Out: 47.443+/-0.009 χ^2/NDF:4602295.7/33

All: 48.514+/-0.006 χ^2/NDF: 7997245.3/65



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.014 χ^2/NDF:27.2/15

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.9/15

Left: -0.002+/-0.010 χ^2/NDF: 47.2/31

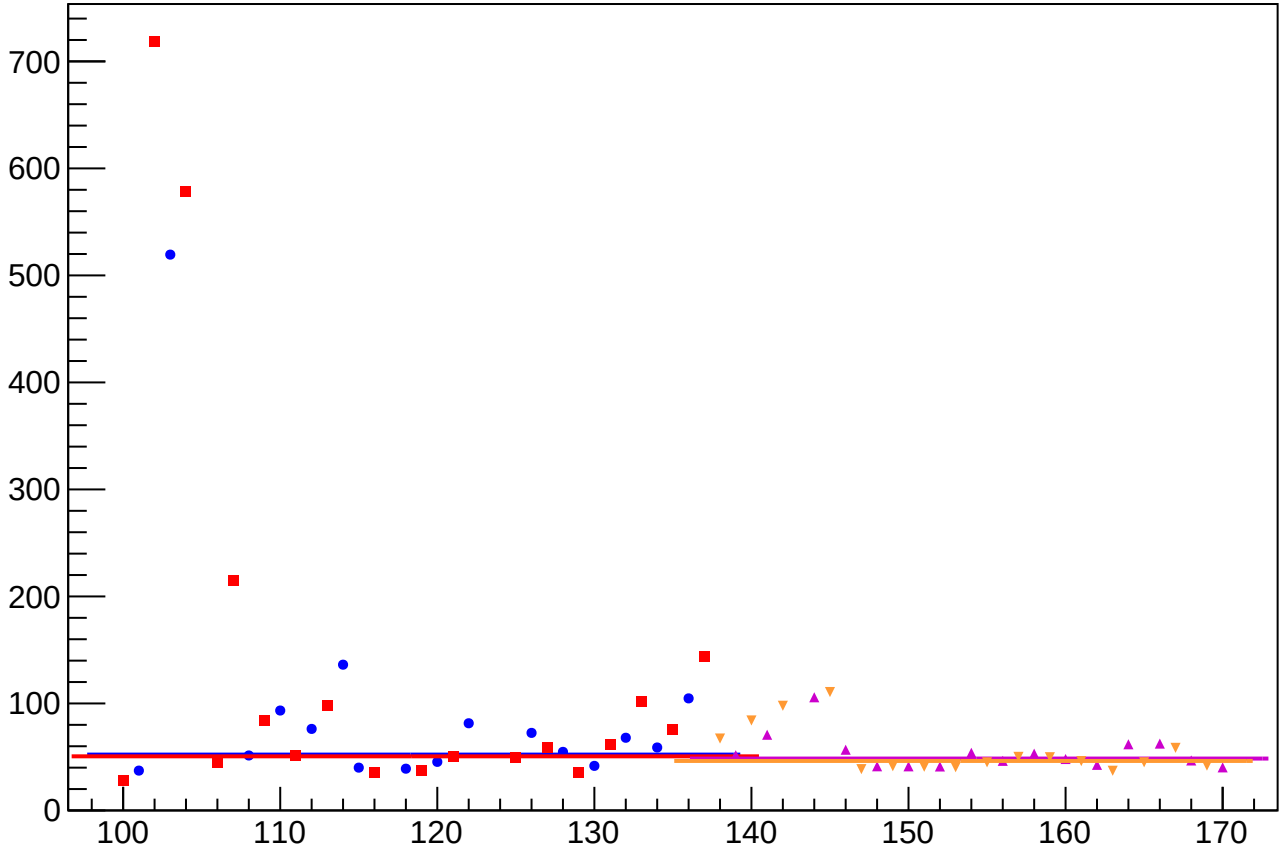
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: -0.001+/-0.012 χ^2/NDF:39.8/33

All: -0.005+/-0.009 χ^2/NDF: 73.2/65

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.266+/-0.010 χ^2/NDF:1502251.0/15

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.491+/-0.010 χ^2/NDF:1060157.2/15

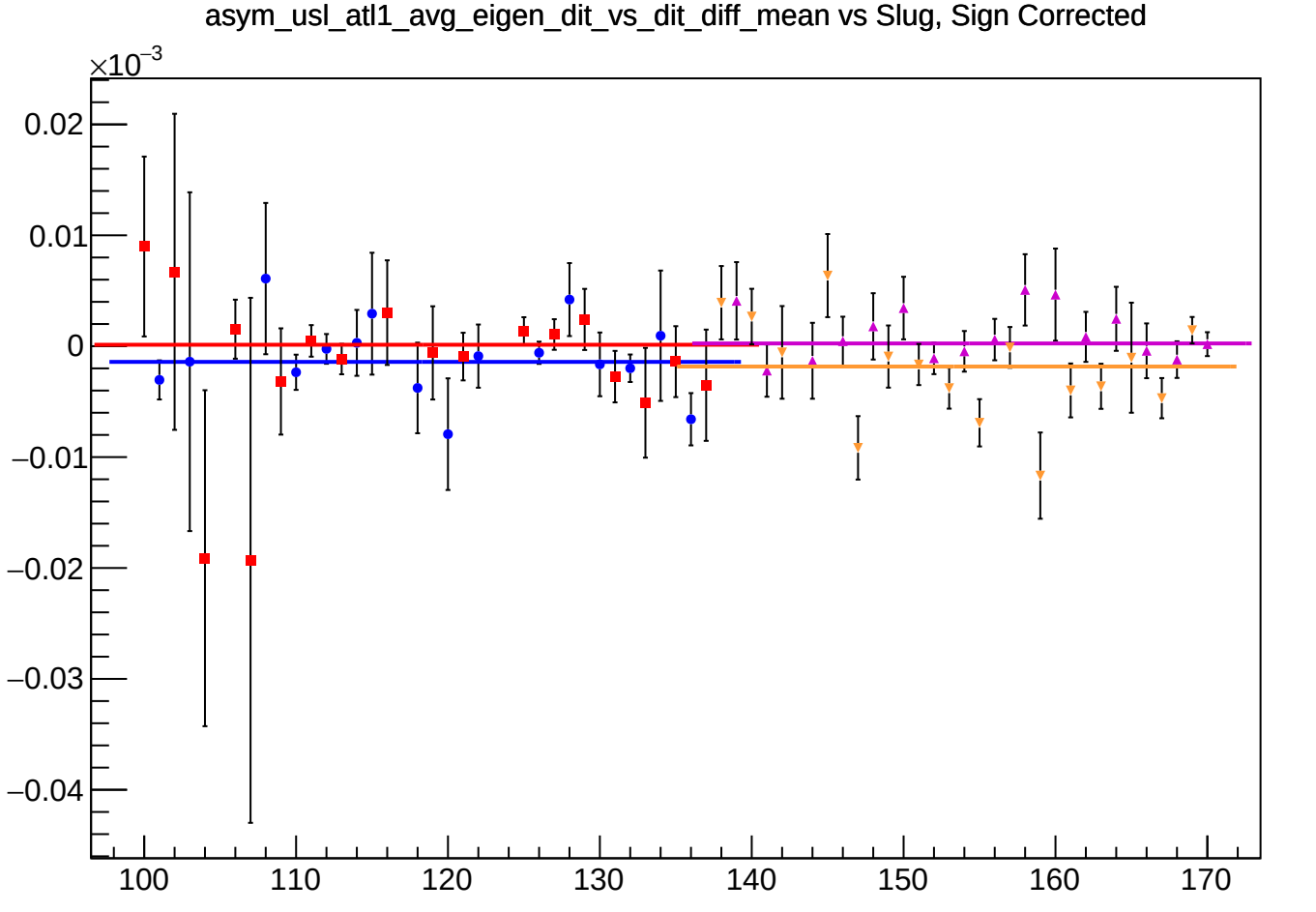
Left: 47.368+/-0.007 χ^2/NDF: 2585913.7/31

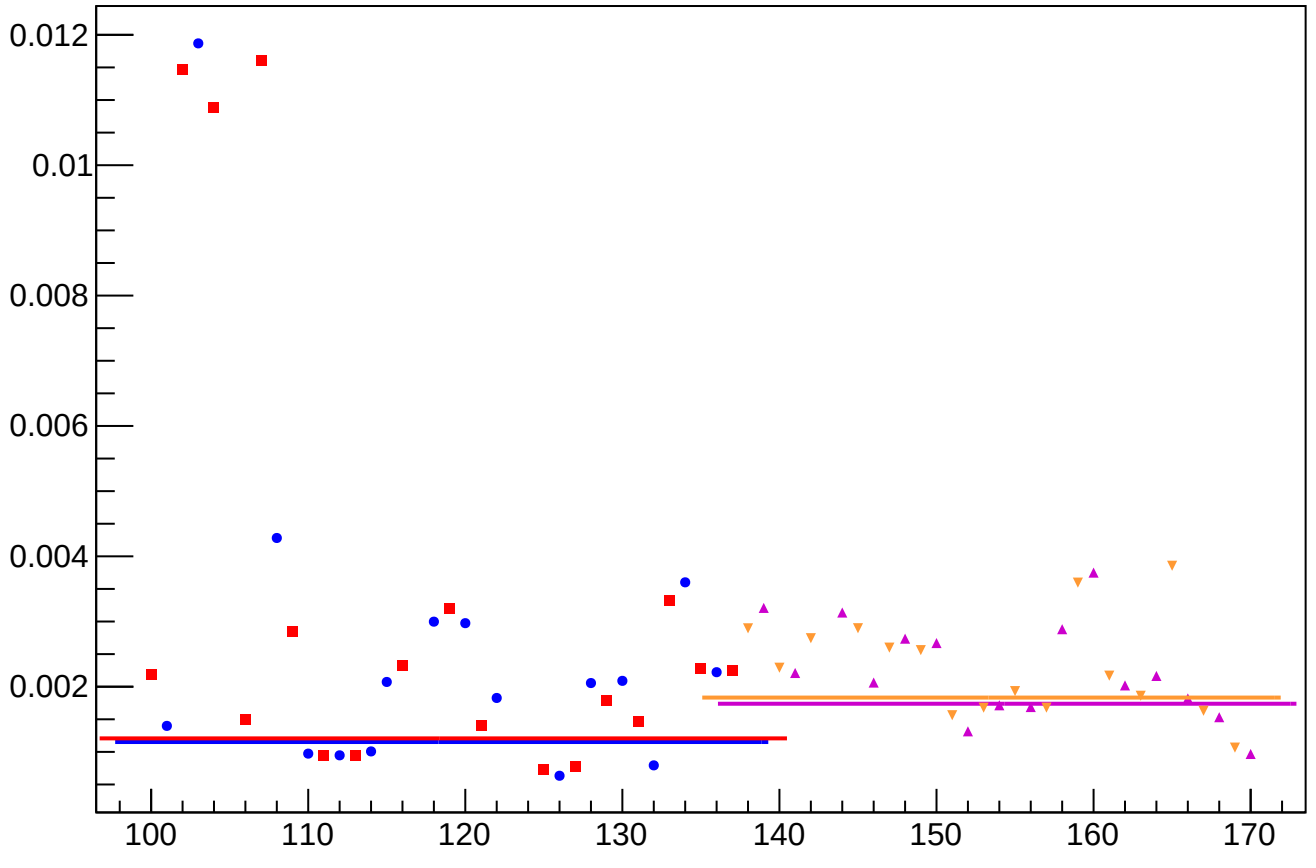
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.575+/-0.009 χ^2/NDF:3364831.8/31

Out: 47.443+/-0.009 χ^2/NDF:4602295.7/33

All: 48.514+/-0.006 χ^2/NDF: 7997245.3/65


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
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:43.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:10.0/15
Left: -0.000+/-0.000 χ²/NDF: 61.0/31
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:30.1/31
Out: -0.000+/-0.000 χ²/NDF:61.3/33
All: -0.000+/-0.000 χ²/NDF: 91.7/65



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2514238.1/15

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:3282291.2/15

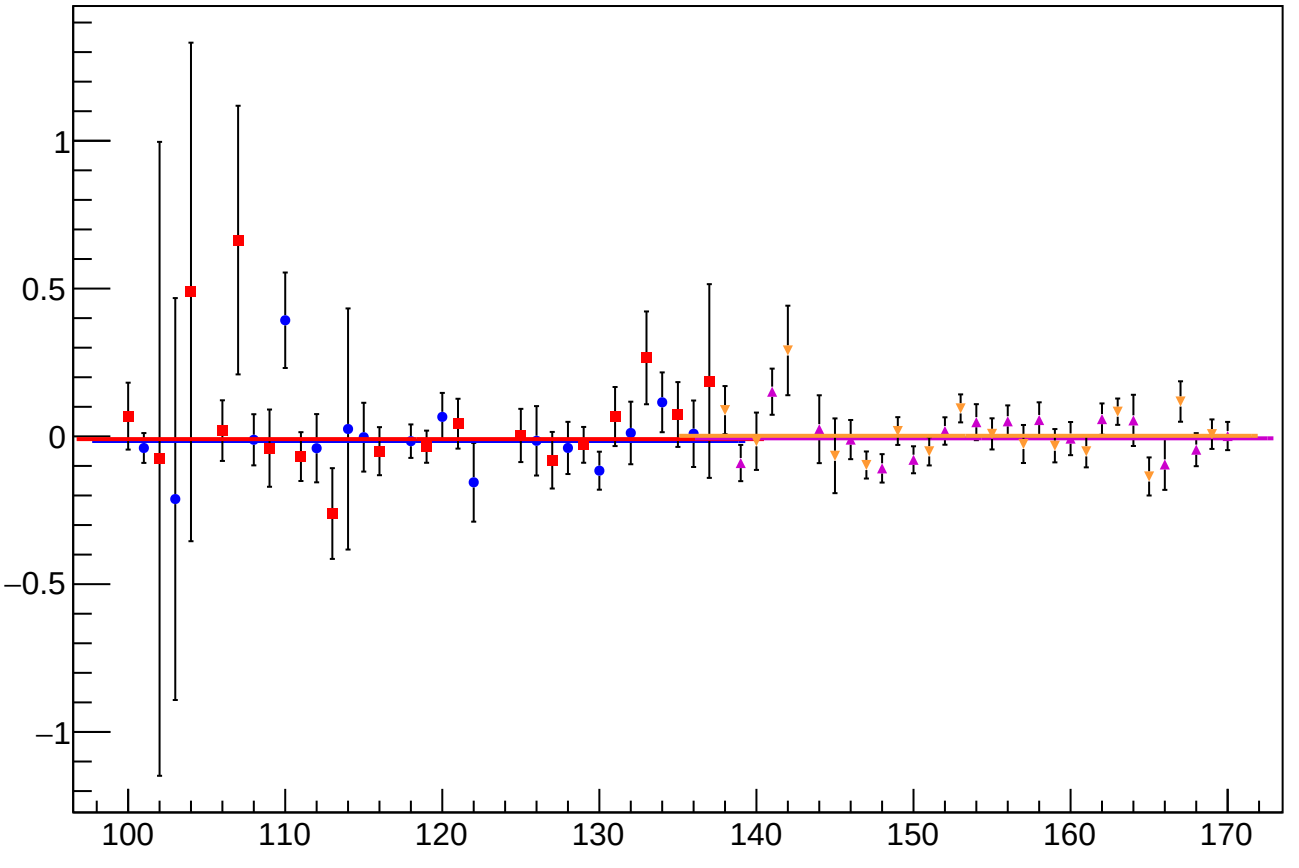
Left: 0.002+/-0.000 χ^2/NDF: 5827624.8/31

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8757498.7/31

Out: 0.002+/-0.000 χ^2/NDF:8304619.3/33

All: 0.001+/-0.000 χ^2/NDF: 17103243.1/65



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.014 χ^2/NDF:27.2/15

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.9/15

Left: -0.002+/-0.010 χ^2/NDF: 47.2/31

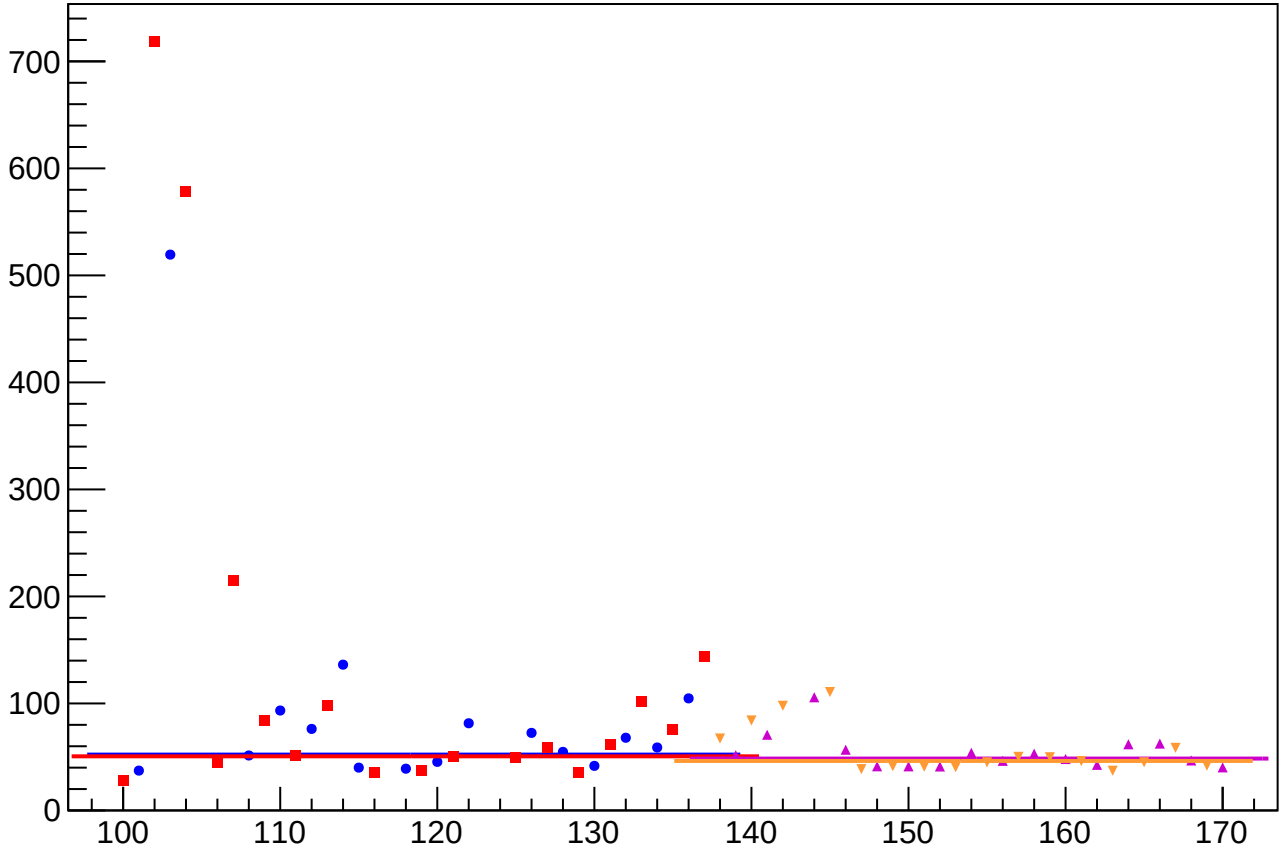
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: -0.001+/-0.012 χ^2/NDF:39.8/33

All: -0.005+/-0.009 χ^2/NDF: 73.2/65

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.267+/-0.010 χ^2/NDF:1502236.1/15

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.491+/-0.010 χ^2/NDF:1060165.7/15

Left: 47.369+/-0.007 χ^2/NDF: 2585902.8/31

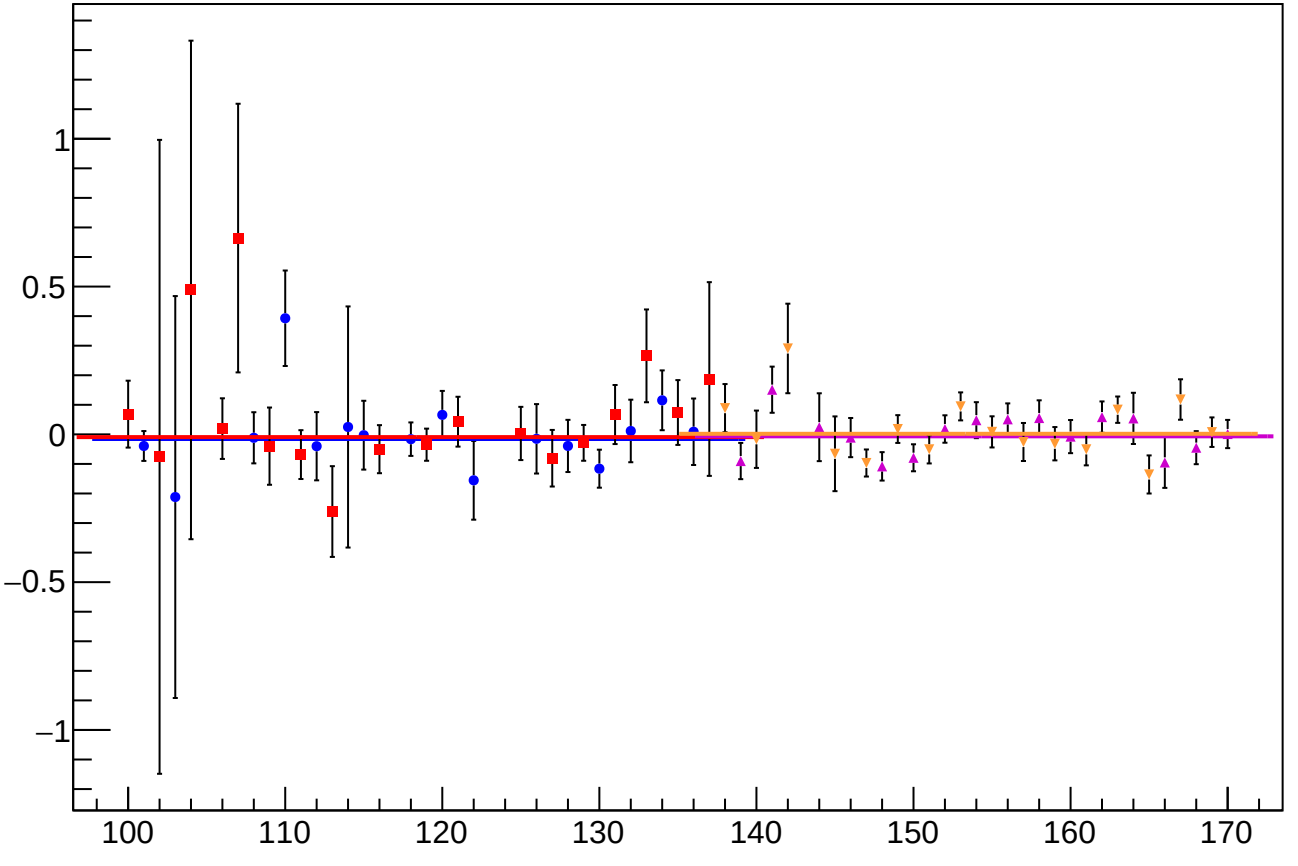
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.575+/-0.009 χ^2/NDF:3364831.6/31

Out: 47.443+/-0.009 χ^2/NDF:4602255.5/33

All: 48.514+/-0.006 χ^2/NDF: 7997201.3/65

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.014 χ^2/NDF:27.2/15

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.007+/-0.015 χ^2/NDF:19.9/15

Left: -0.002+/-0.010 χ^2/NDF: 47.2/31

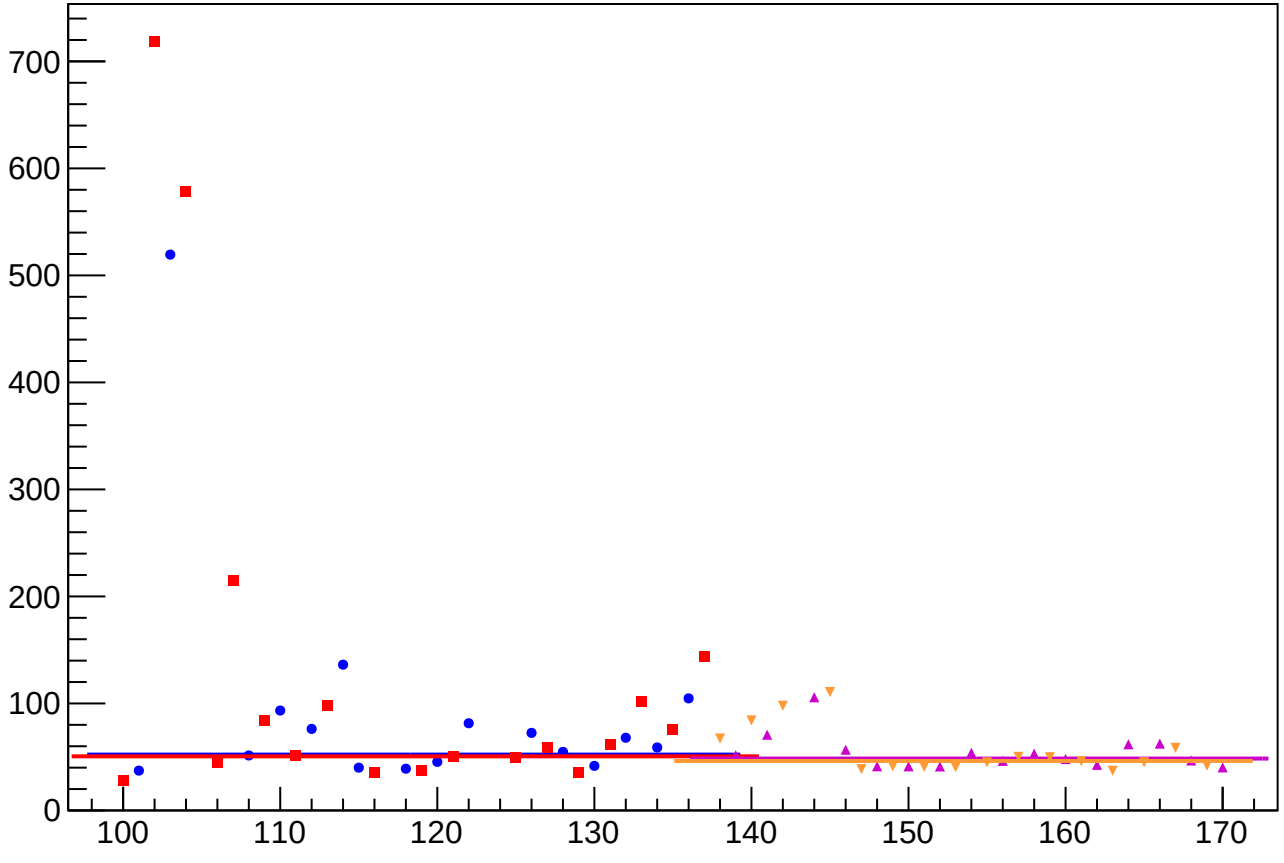
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: -0.001+/-0.012 χ^2/NDF:39.8/33

All: -0.005+/-0.009 χ^2/NDF: 73.2/65

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: 46.267+/-0.010 χ^2/NDF:1502236.1/15

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.491+/-0.010 χ^2/NDF:1060165.7/15

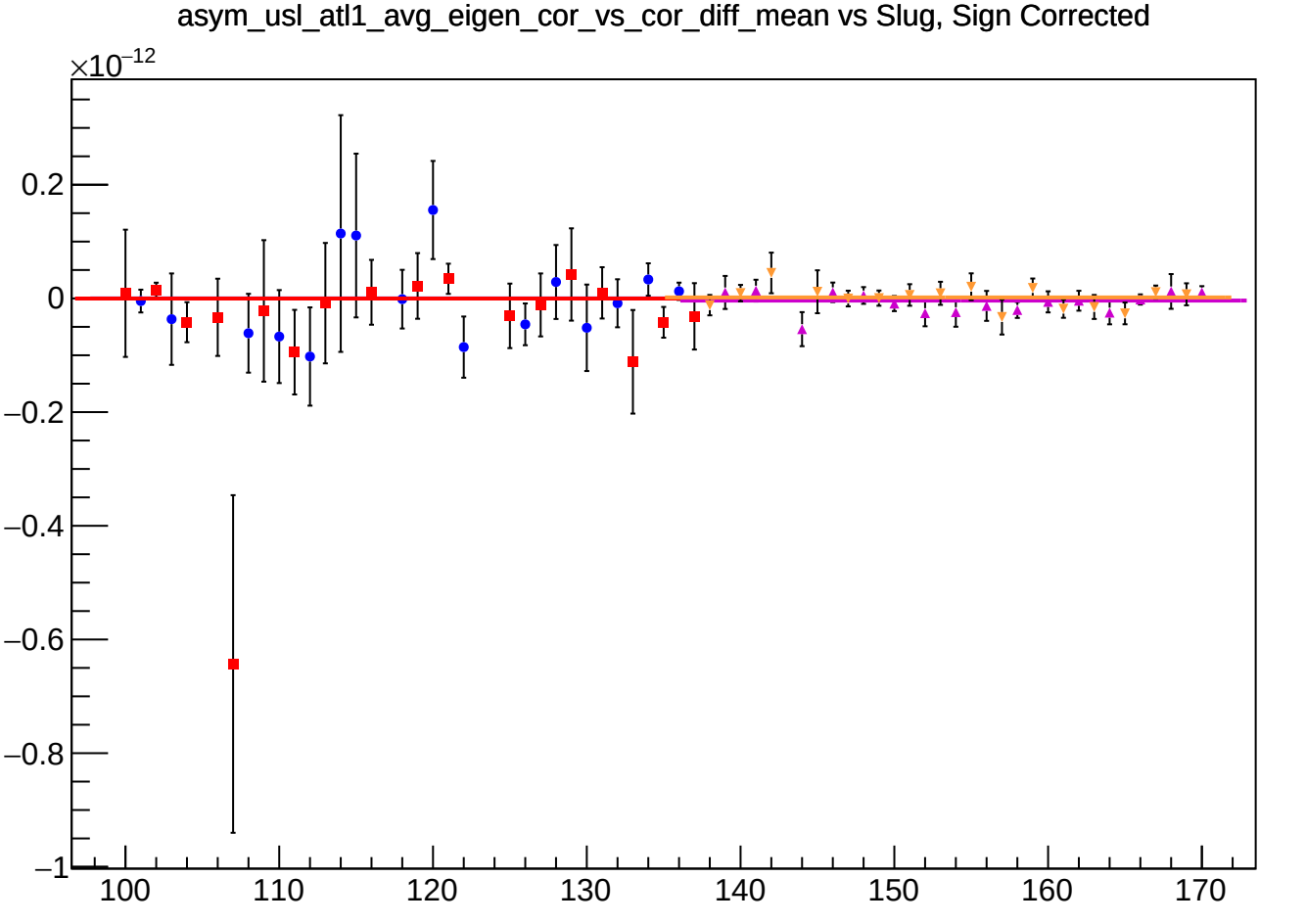
Left: 47.369+/-0.007 χ^2/NDF: 2585902.8/31

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.575+/-0.009 χ^2/NDF:3364831.6/31

Out: 47.443+/-0.009 χ^2/NDF:4602255.5/33

All: 48.514+/-0.006 χ^2/NDF: 7997201.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/15

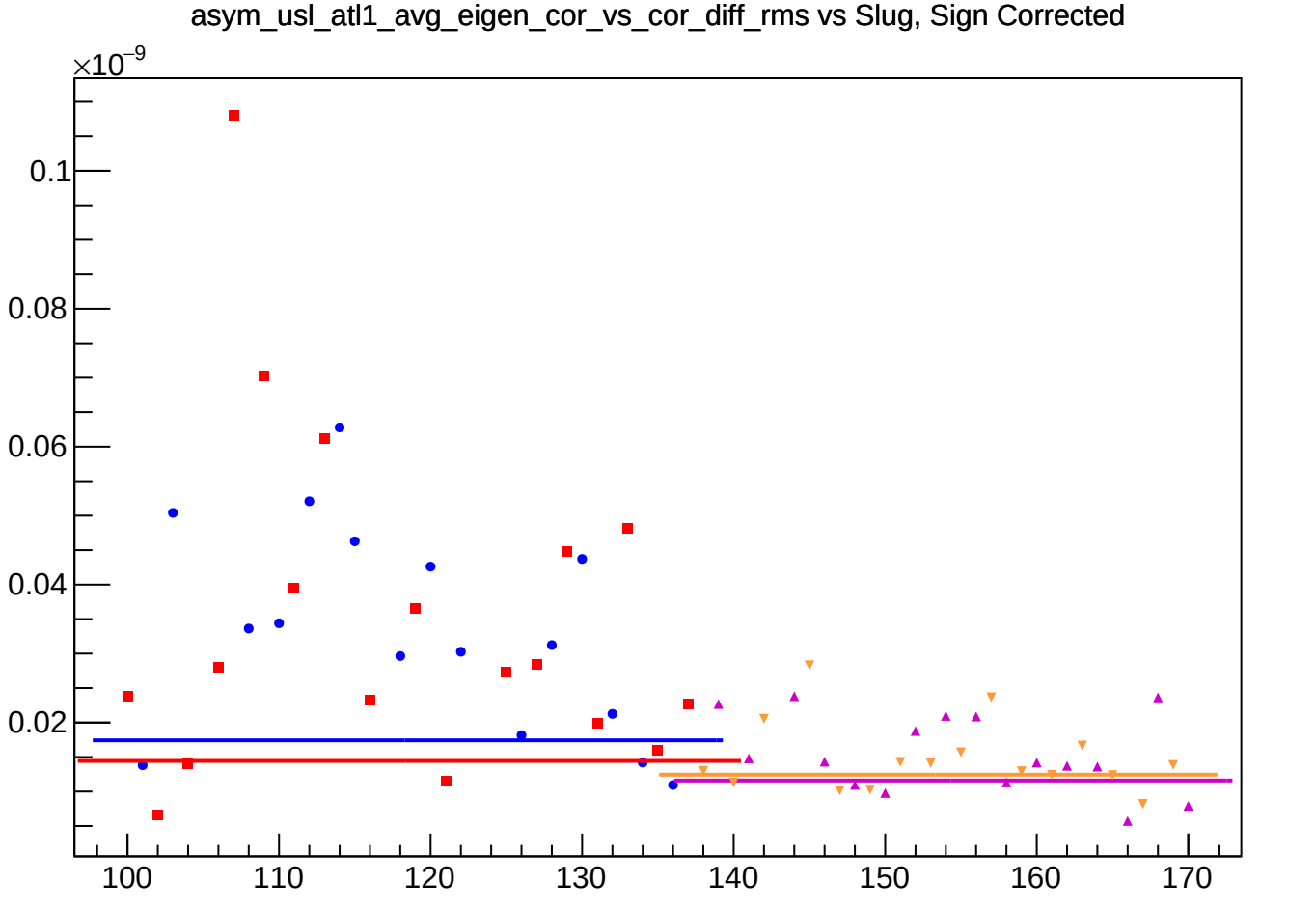
Left: -0.000+/-0.000 χ^2/NDF: 22.7/31

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

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: 0.000+/-0.000 χ^2/NDF:26.6/33

All: -0.000+/-0.000 χ^2/NDF: 52.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1273420.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2957507.5/15

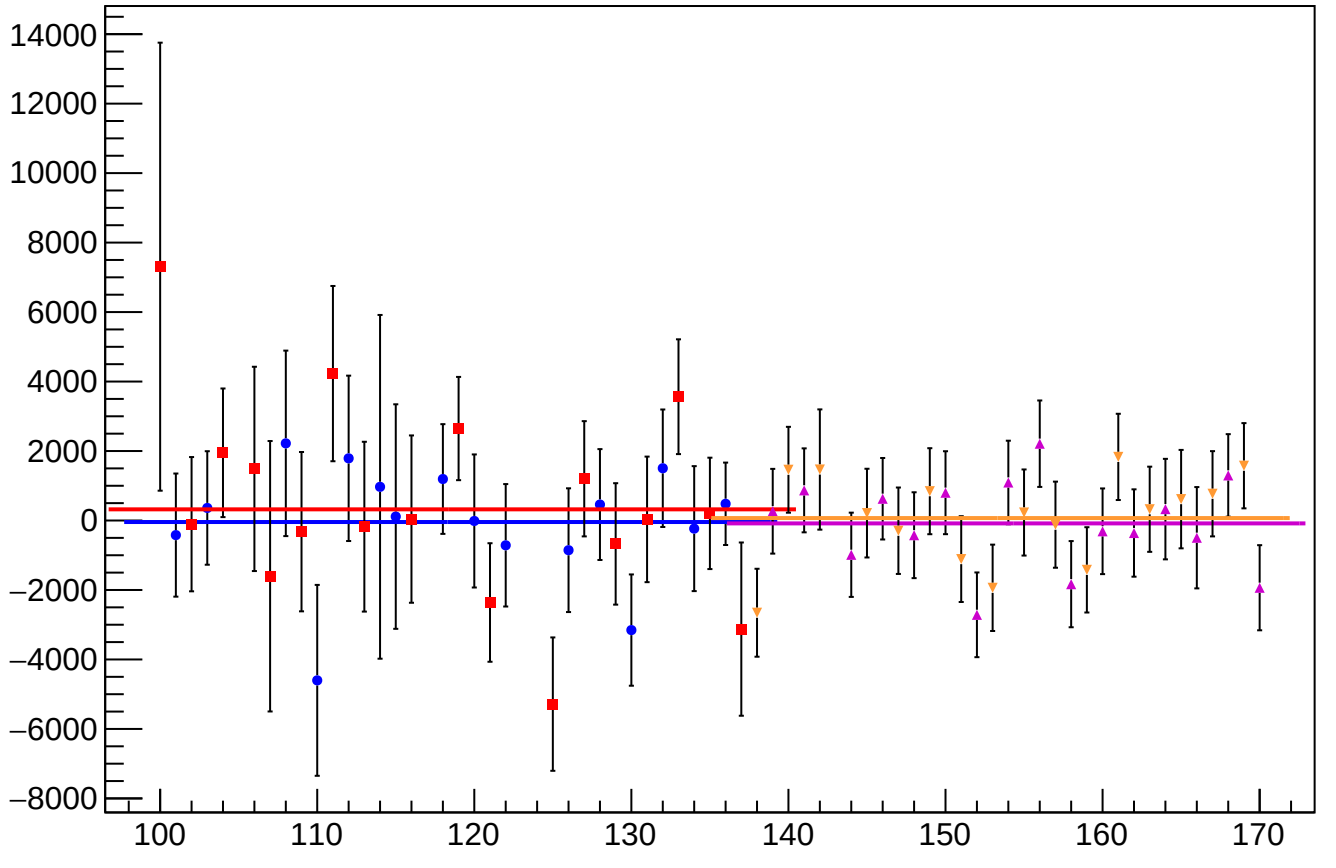
Left: 0.000+/-0.000 χ^2/NDF: 4269541.1/31

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5827176.8/31

Out: 0.000+/-0.000 χ^2/NDF:4614606.8/33

All: 0.000+/-0.000 χ^2/NDF: 10447575.1/65



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 70.075+/-317.251 χ^2/NDF:16.1/15

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -83.315+/-310.177 χ^2/NDF:17.1/15

Left: -8.349+/-221.787 χ^2/NDF: 33.4/31

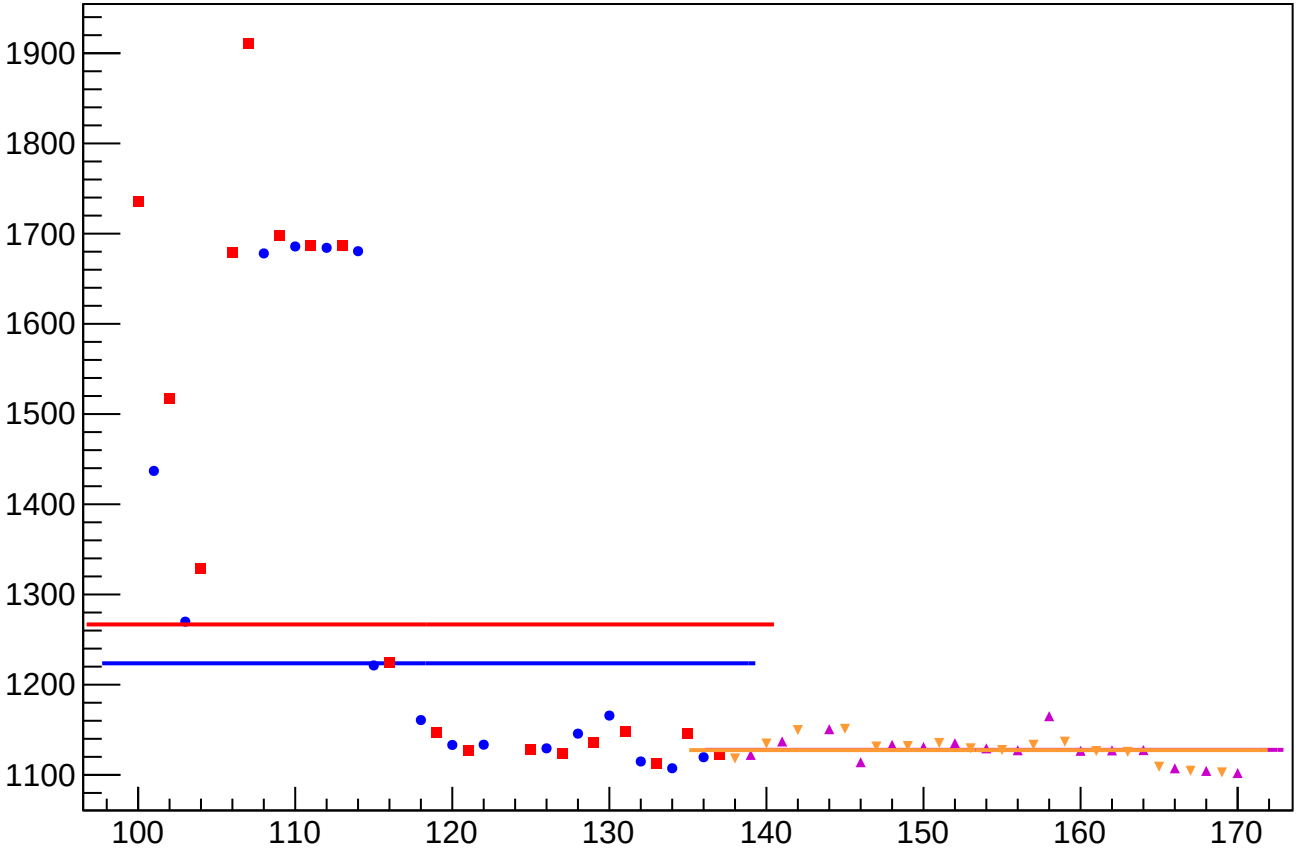
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -70.898+/-257.037 χ^2/NDF:27.2/31

Out: 147.576+/-263.808 χ^2/NDF:41.1/33

All: 35.499+/-184.100 χ^2/NDF: 68.7/65

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1127.470+/-0.224 χ^2/NDF:3331.4/15

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

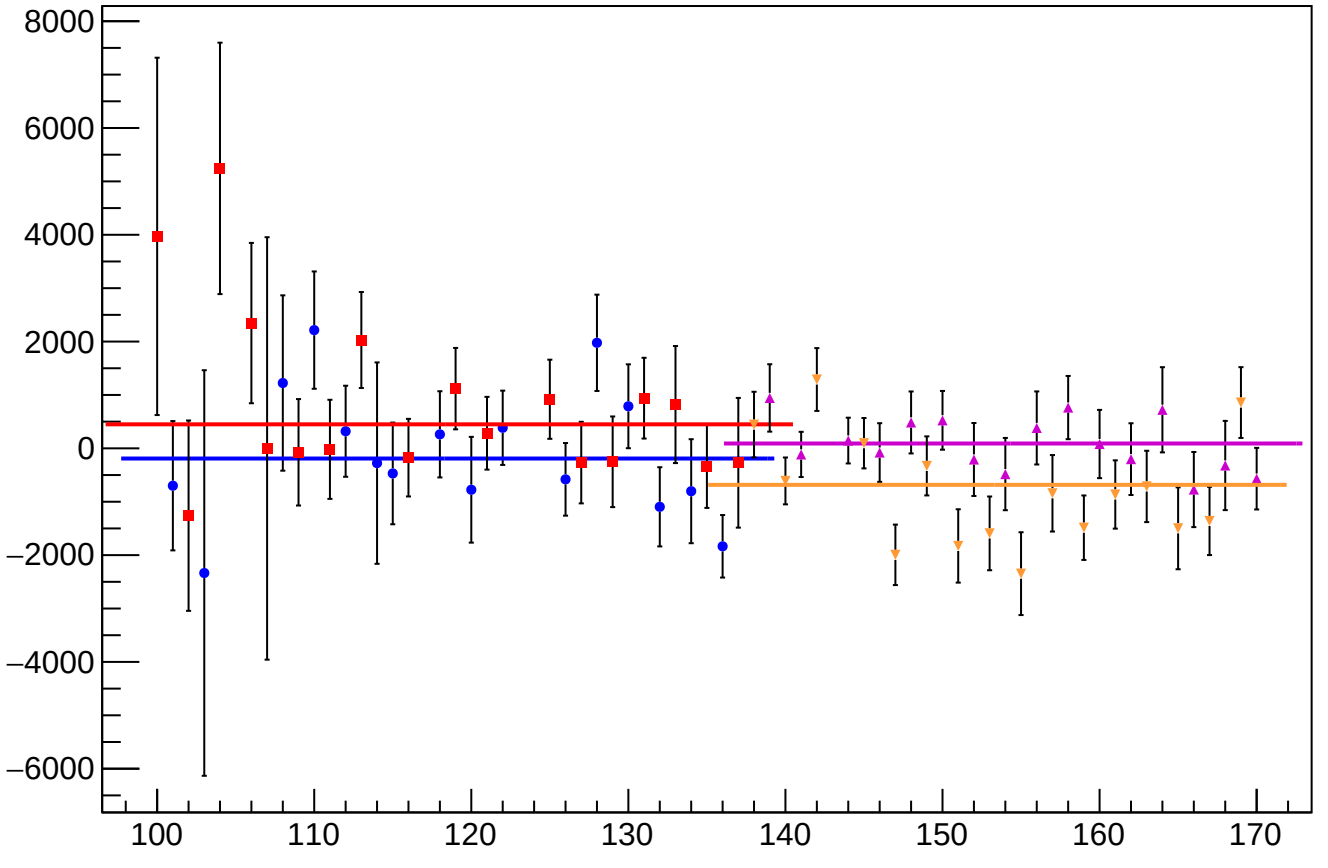
Left: 1127.620+/-0.157 χ^2/NDF: 8468.7/31

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1157.820+/-0.182 χ^2/NDF:360051.5/31

Out: 1170.452+/-0.187 χ^2/NDF:555159.9/33

All: 1163.972+/-0.130 χ^2/NDF: 917563.6/65



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -683.912+/-151.991 χ^2/NDF:41.8/15

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 90.820+/-148.849 χ^2/NDF:9.5/15

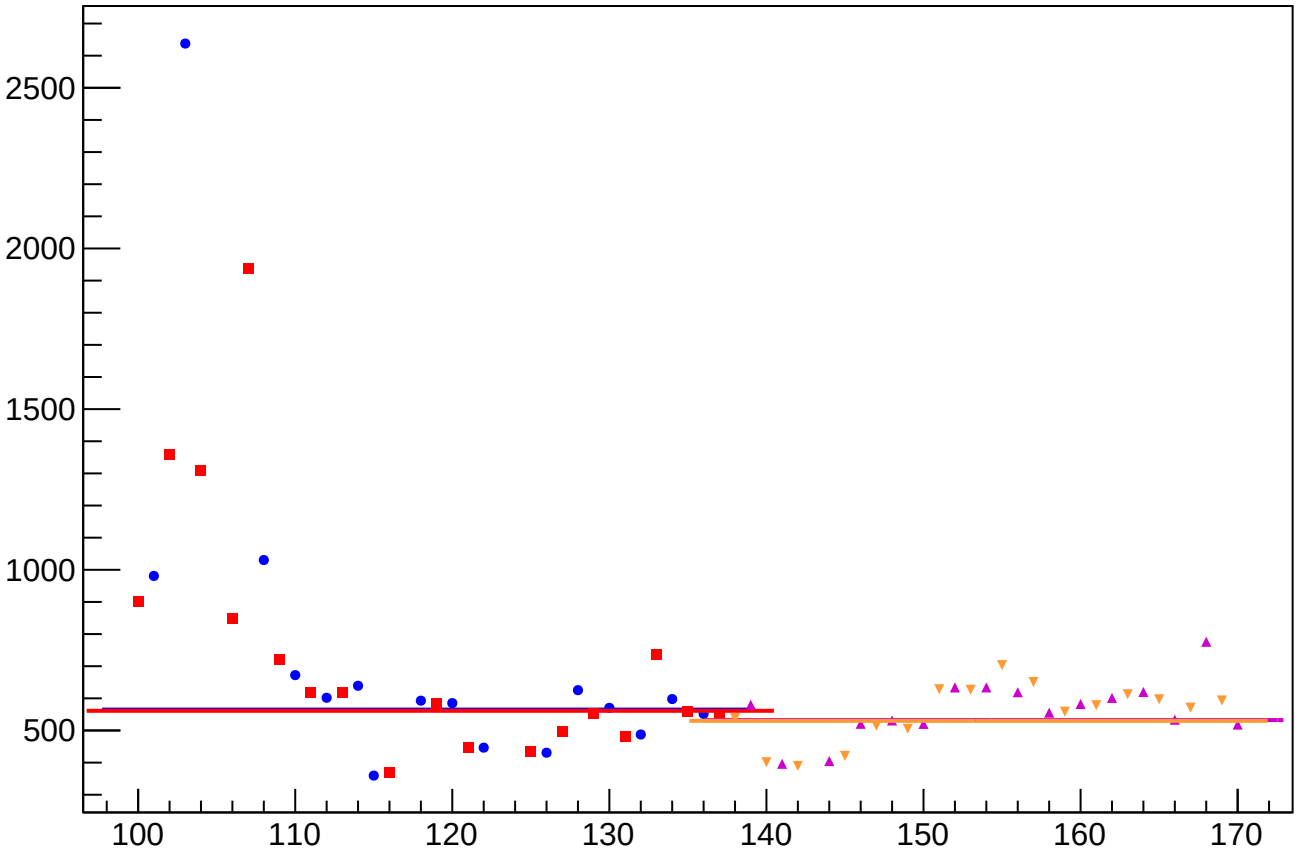
Left: -288.455+/-106.345 χ^2/NDF: 64.6/31

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 4.002+/-123.780 χ^2/NDF:35.9/31

Out: -324.738+/-125.629 χ^2/NDF:76.2/33

All: -157.931+/-88.172 χ^2/NDF: 115.6/65



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 530.066+/-0.107 χ^2/NDF:724217.6/15

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 532.349+/-0.105 χ^2/NDF:750119.0/15

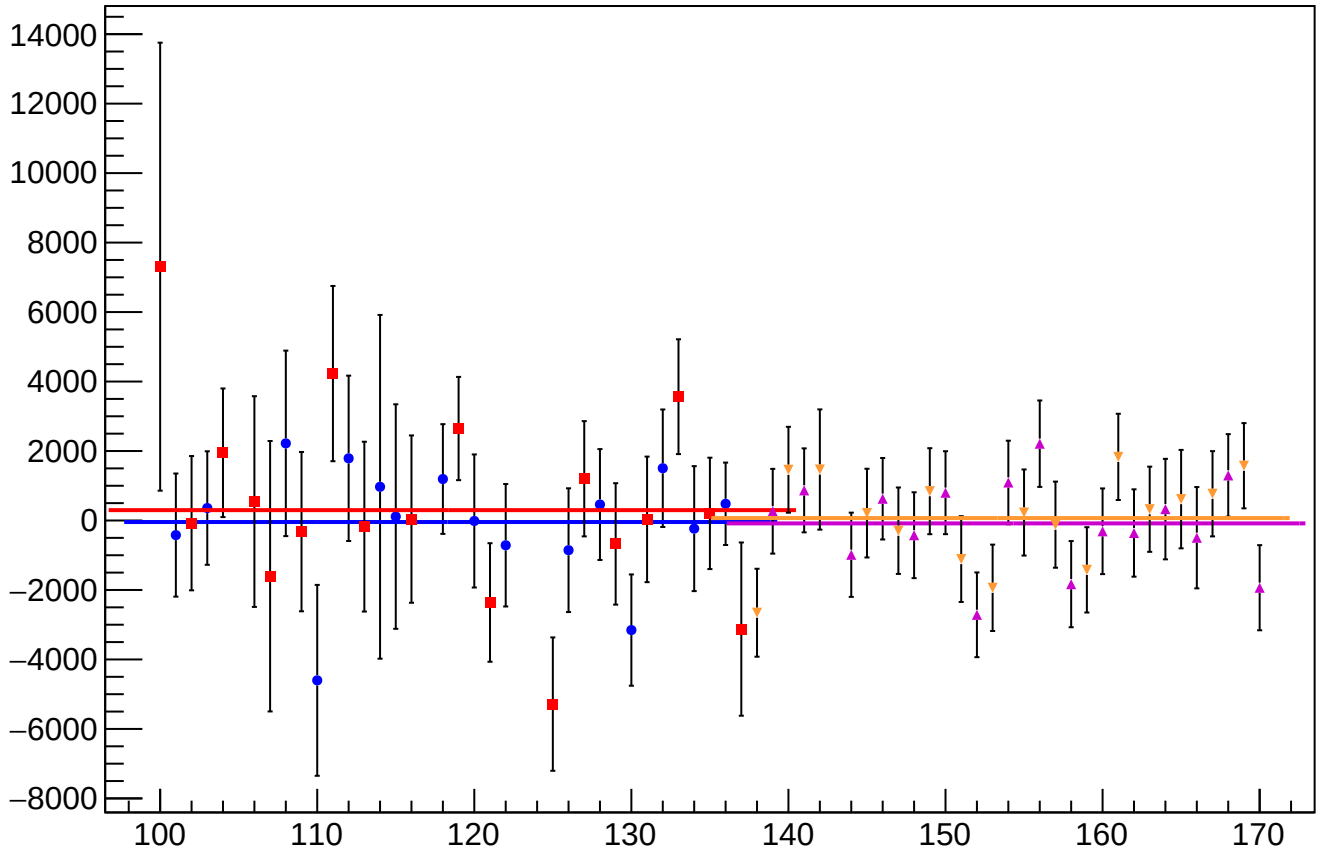
Left: 531.232+/-0.075 χ^2/NDF: 1474566.9/31

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 542.408+/-0.088 χ^2/NDF:2064207.3/31

Out: 539.943+/-0.089 χ^2/NDF:2103116.3/33

All: 541.194+/-0.062 χ^2/NDF: 4167714.3/65



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 70.129+/-317.251 χ^2/NDF:16.1/15

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -83.280+/-310.177 χ^2/NDF:17.1/15

Left: -8.305+/-221.787 χ^2/NDF: 33.4/31

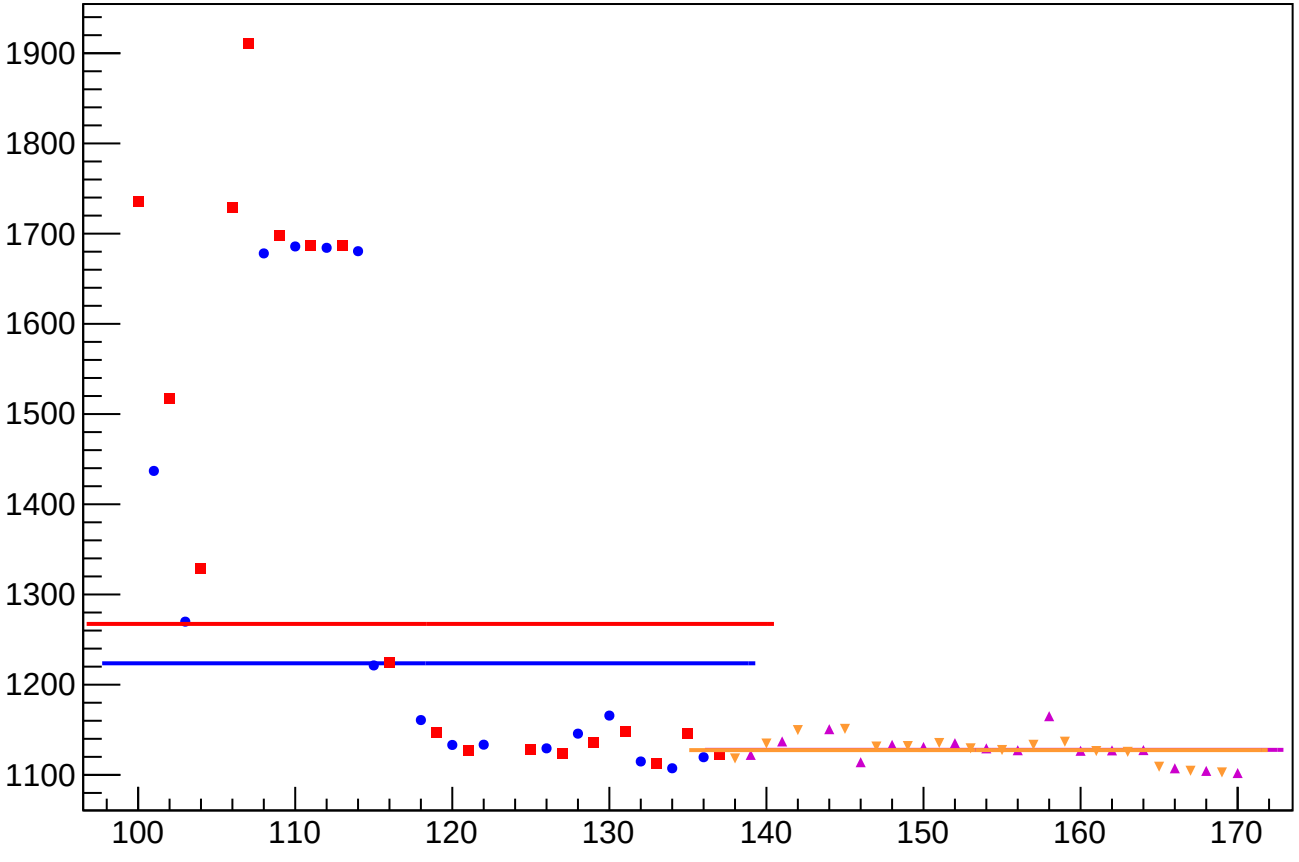
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -70.950+/-257.037 χ^2/NDF:27.2/31

Out: 140.422+/-263.873 χ^2/NDF:40.9/33

All: 31.963+/-184.122 χ^2/NDF: 68.5/65

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1127.470+/-0.224 χ^2/NDF:3331.4/15

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

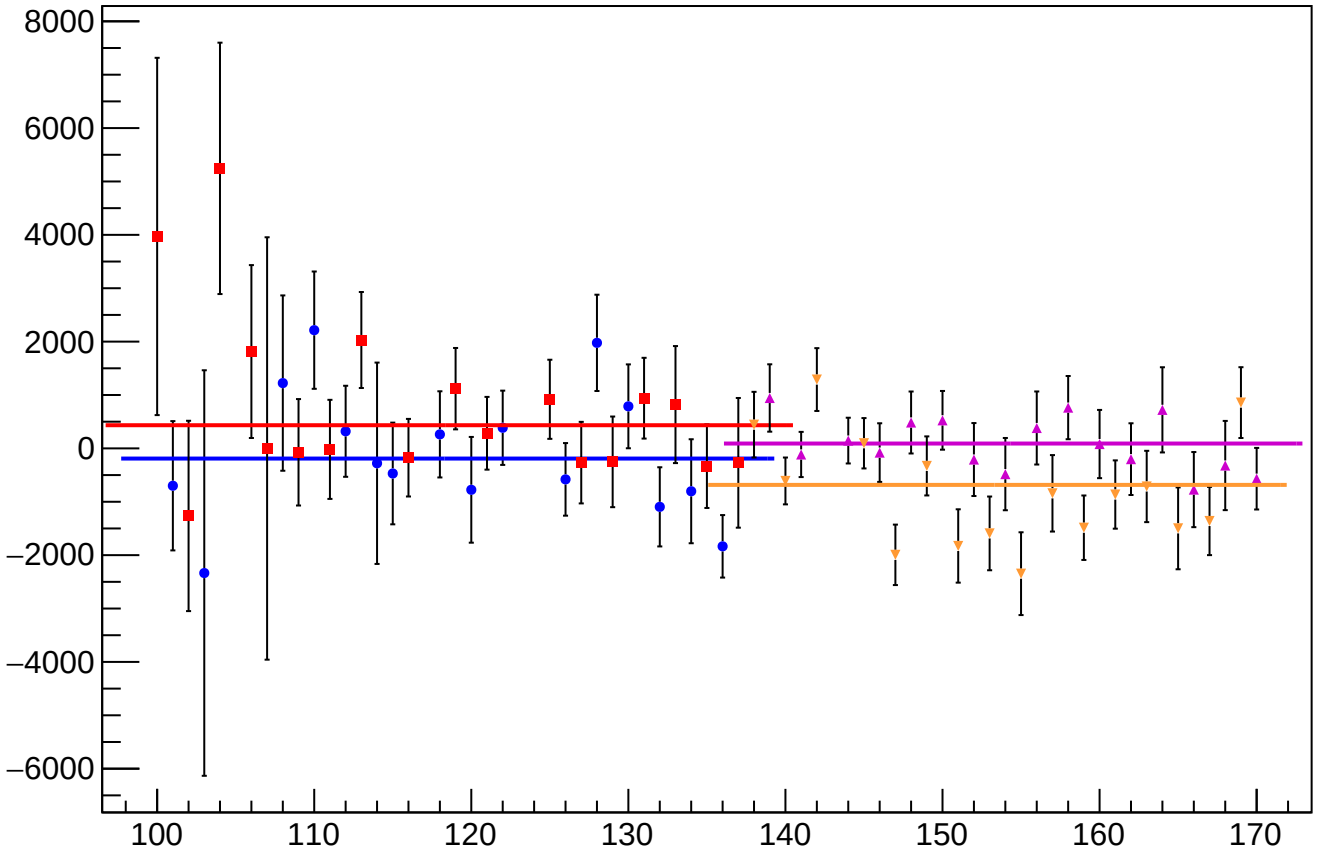
Left: 1127.620+/-0.157 χ^2/NDF: 8468.7/31

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1157.820+/-0.182 χ^2/NDF:360051.6/31

Out: 1170.585+/-0.187 χ^2/NDF:563164.5/33

All: 1164.035+/-0.130 χ^2/NDF: 925617.4/65



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -683.933+/-151.990 χ^2/NDF:41.8/15

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 90.815+/-148.848 χ^2/NDF:9.5/15

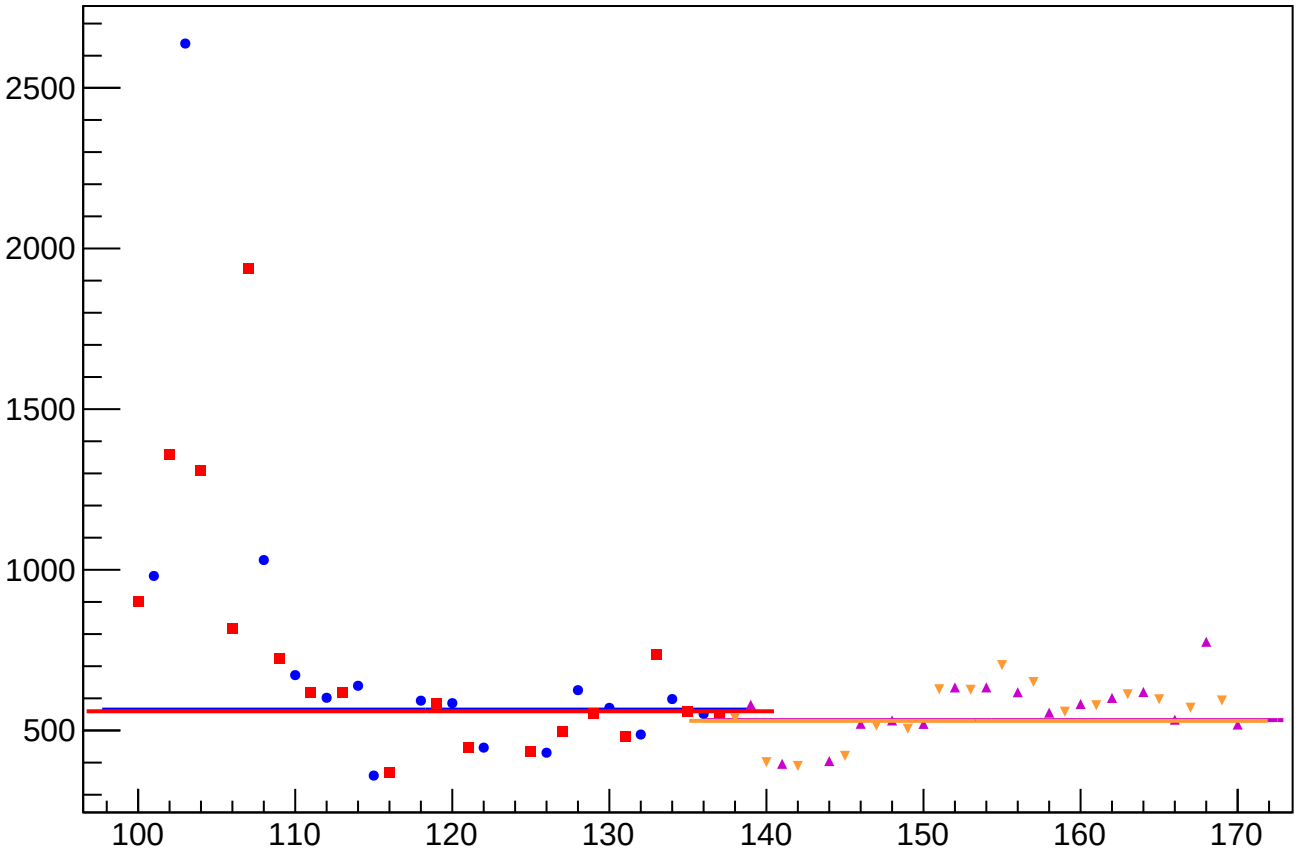
Left: -288.468+/-106.345 χ^2/NDF: 64.6/31

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 3.994+/-123.780 χ^2/NDF:35.9/31

Out: -330.559+/-125.691 χ^2/NDF:74.8/33

All: -160.720+/-88.193 χ^2/NDF: 114.3/65



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 530.065+/-0.107 χ^2/NDF:724203.2/15

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.348+/-0.105 χ^2/NDF:750075.6/15

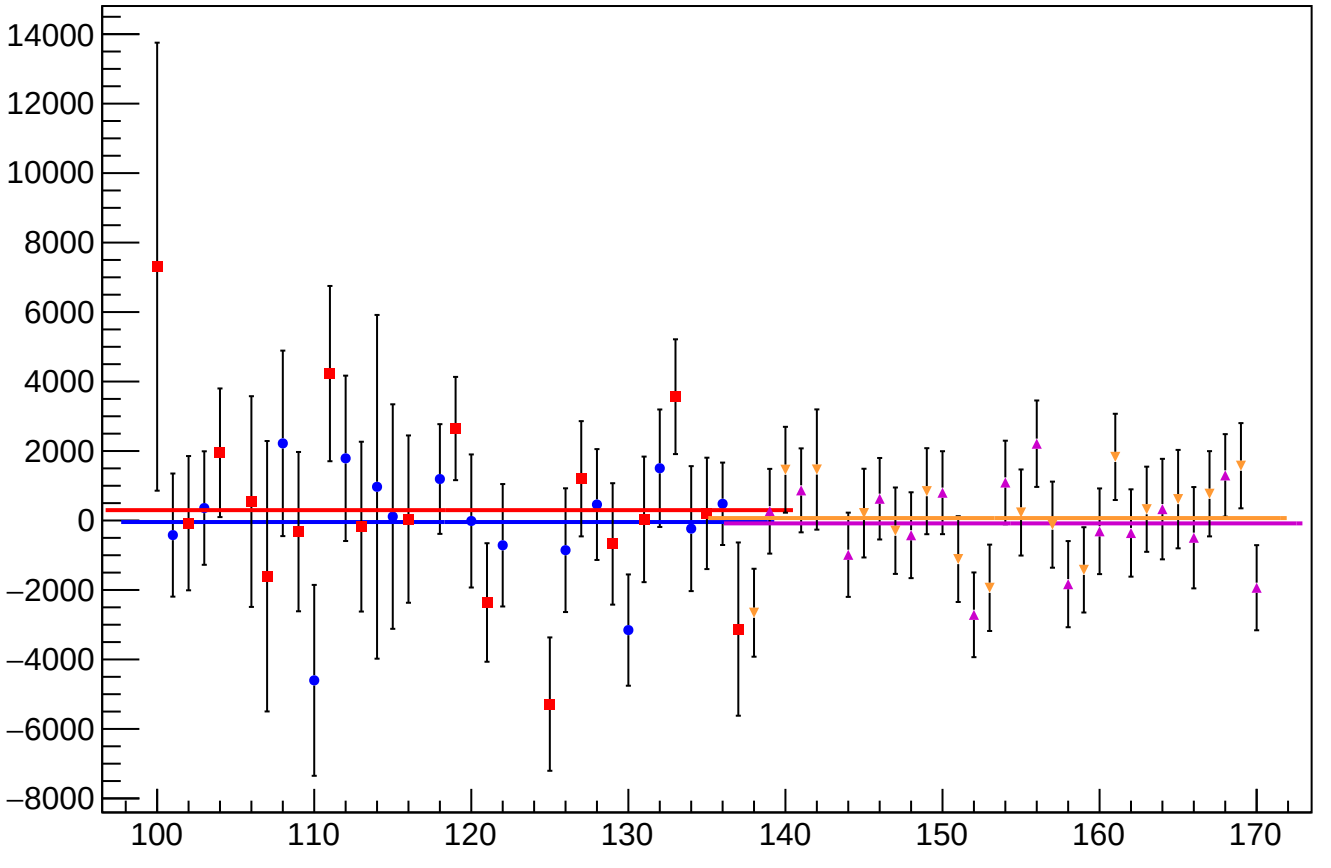
Left: 531.231+/-0.075 χ^2/NDF: 1474509.1/31

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.406+/-0.088 χ^2/NDF:2064134.5/31

Out: 539.452+/-0.089 χ^2/NDF:2077690.1/33

All: 540.952+/-0.062 χ^2/NDF: 4142385.5/65



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 70.129+/-317.251 χ^2/NDF:16.1/15

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -83.280+/-310.177 χ^2/NDF:17.1/15

Left: -8.305+/-221.787 χ^2/NDF: 33.4/31

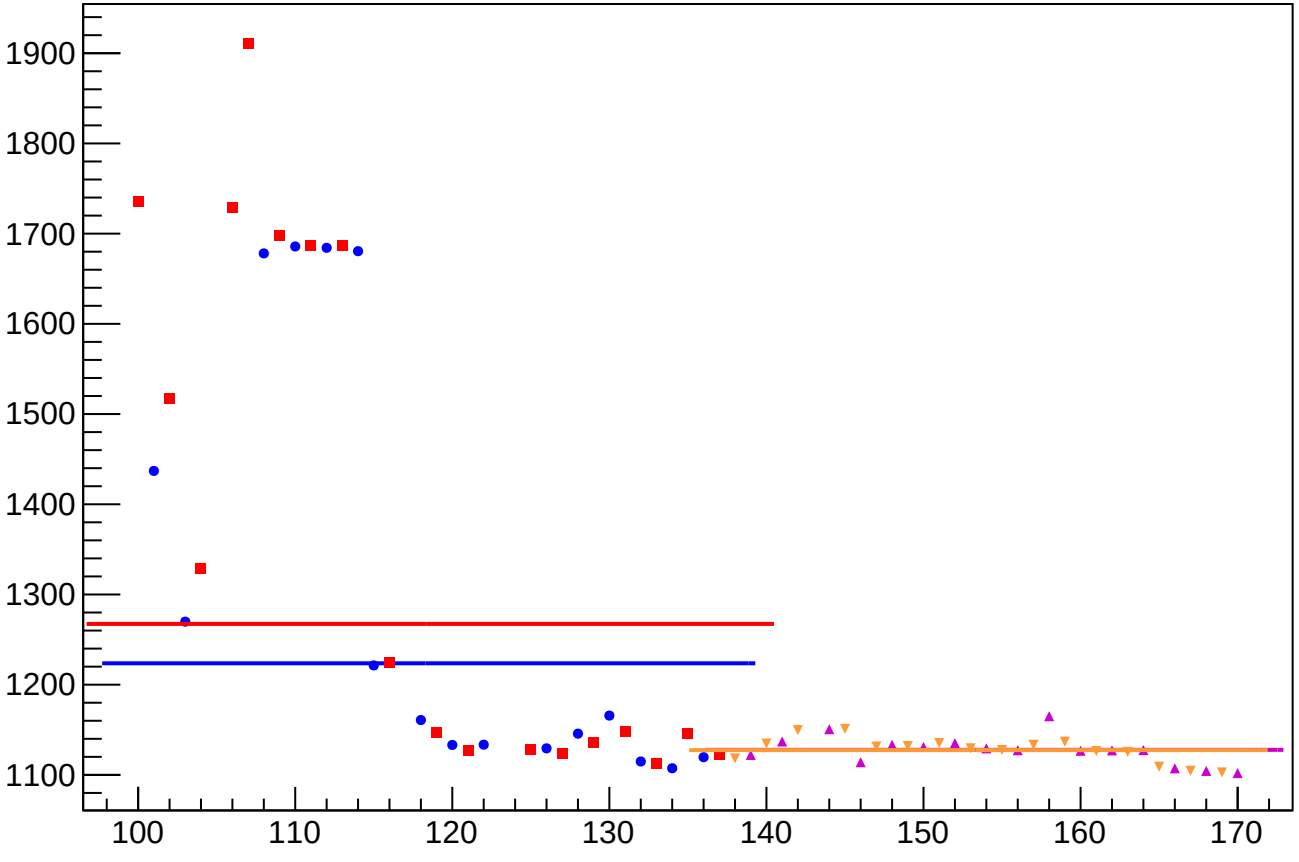
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -70.950+/-257.037 χ^2/NDF:27.2/31

Out: 140.422+/-263.873 χ^2/NDF:40.9/33

All: 31.963+/-184.122 χ^2/NDF: 68.5/65

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1127.470+/-0.224 χ^2/NDF:3331.4/15

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

Left: 1127.620+/-0.157 χ^2/NDF: 8468.7/31

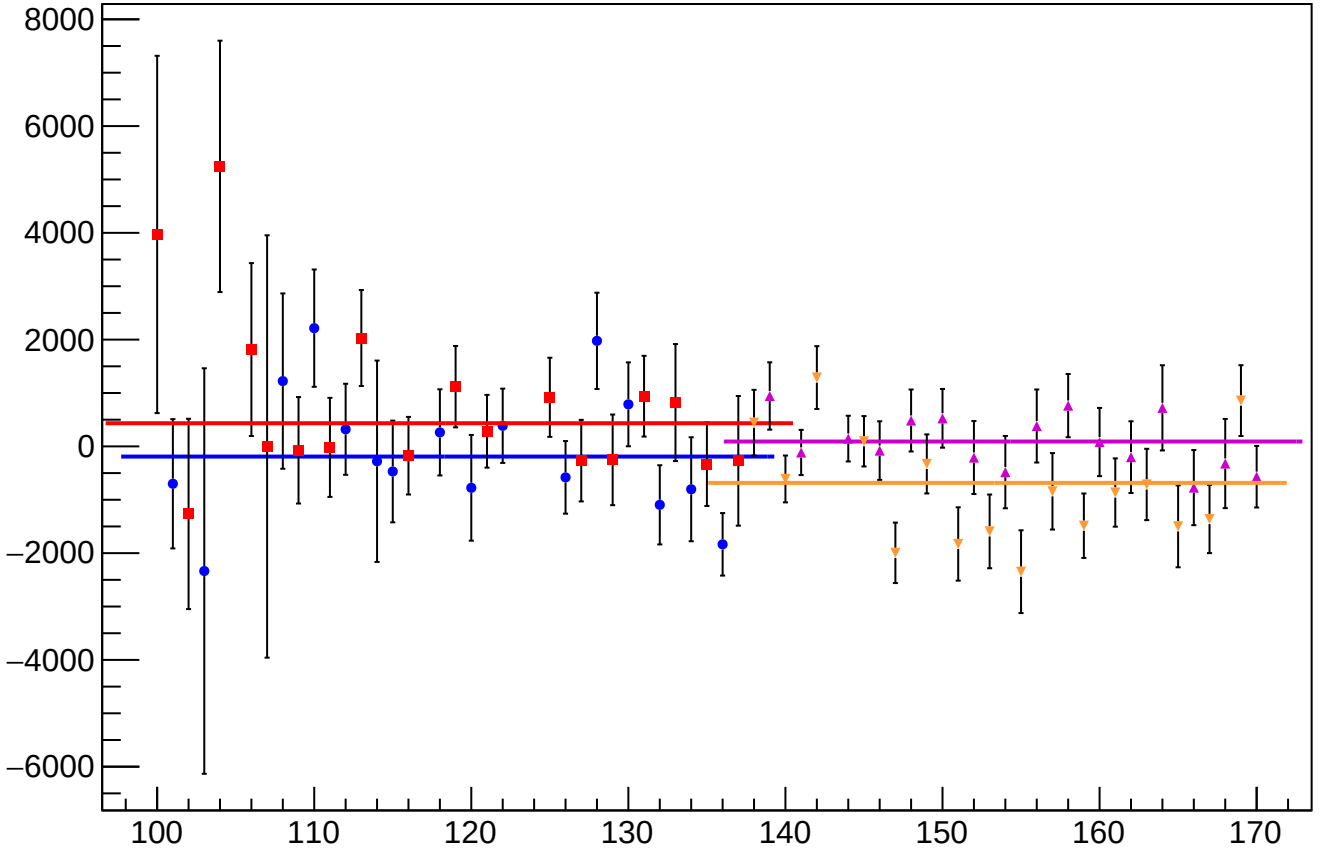
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1157.820+/-0.182 χ^2/NDF:360051.6/31

Out: 1170.585+/-0.187 χ^2/NDF:563164.5/33

All: 1164.035+/-0.130 χ^2/NDF: 925617.4/65

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: -683.933+/-151.990 χ^2/NDF:41.8/15

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 90.815+/-148.848 χ^2/NDF:9.5/15

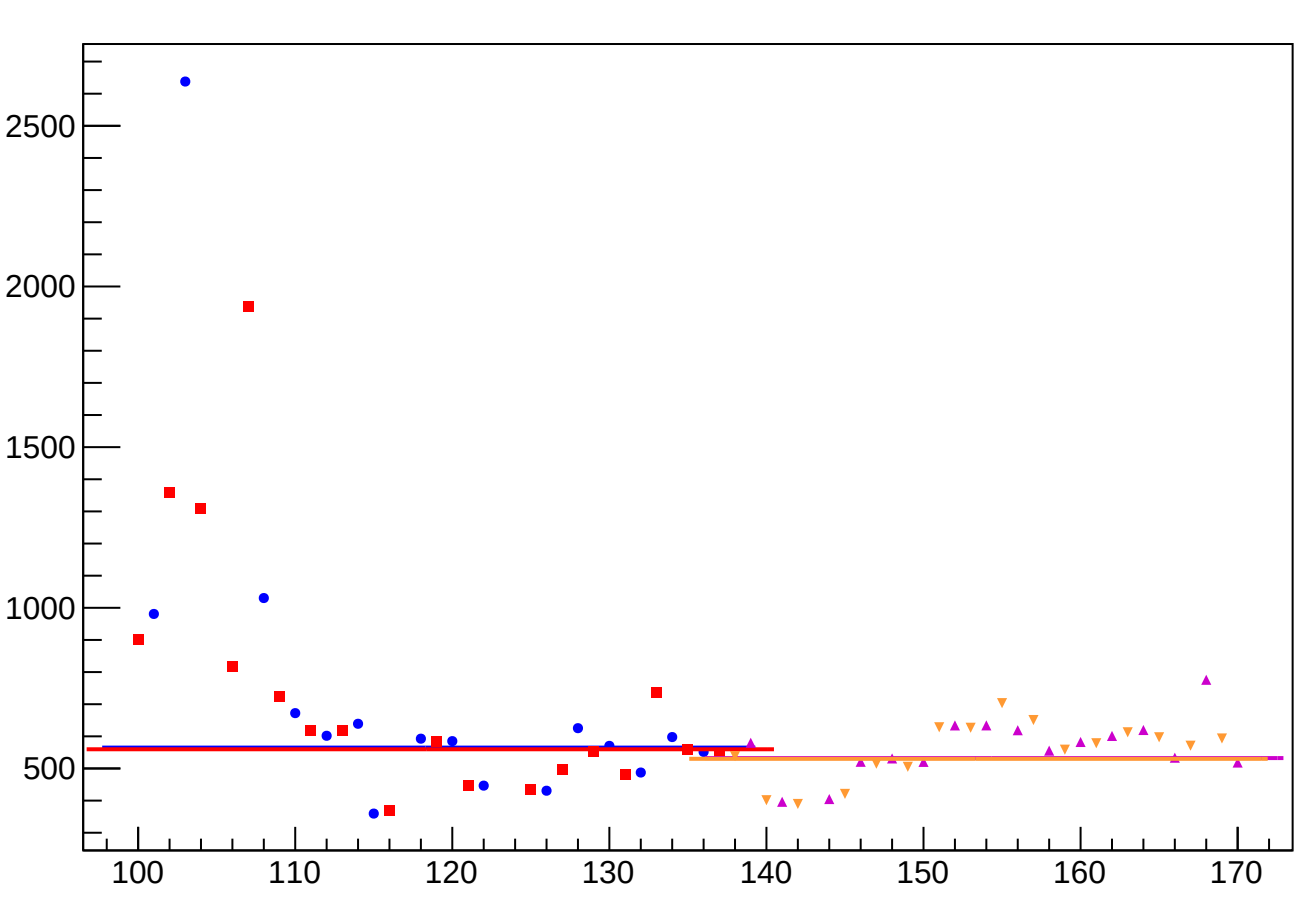
Left: -288.468+/-106.345 χ^2/NDF: 64.6/31

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 3.994+/-123.780 χ^2/NDF:35.9/31

Out: -330.559+/-125.691 χ^2/NDF:74.8/33

All: -160.720+/-88.193 χ^2/NDF: 114.3/65



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 530.065+/-0.107 χ^2/NDF:724203.2/15

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.348+/-0.105 χ^2/NDF:750075.6/15

Left: 531.231+/-0.075 χ^2/NDF: 1474509.1/31

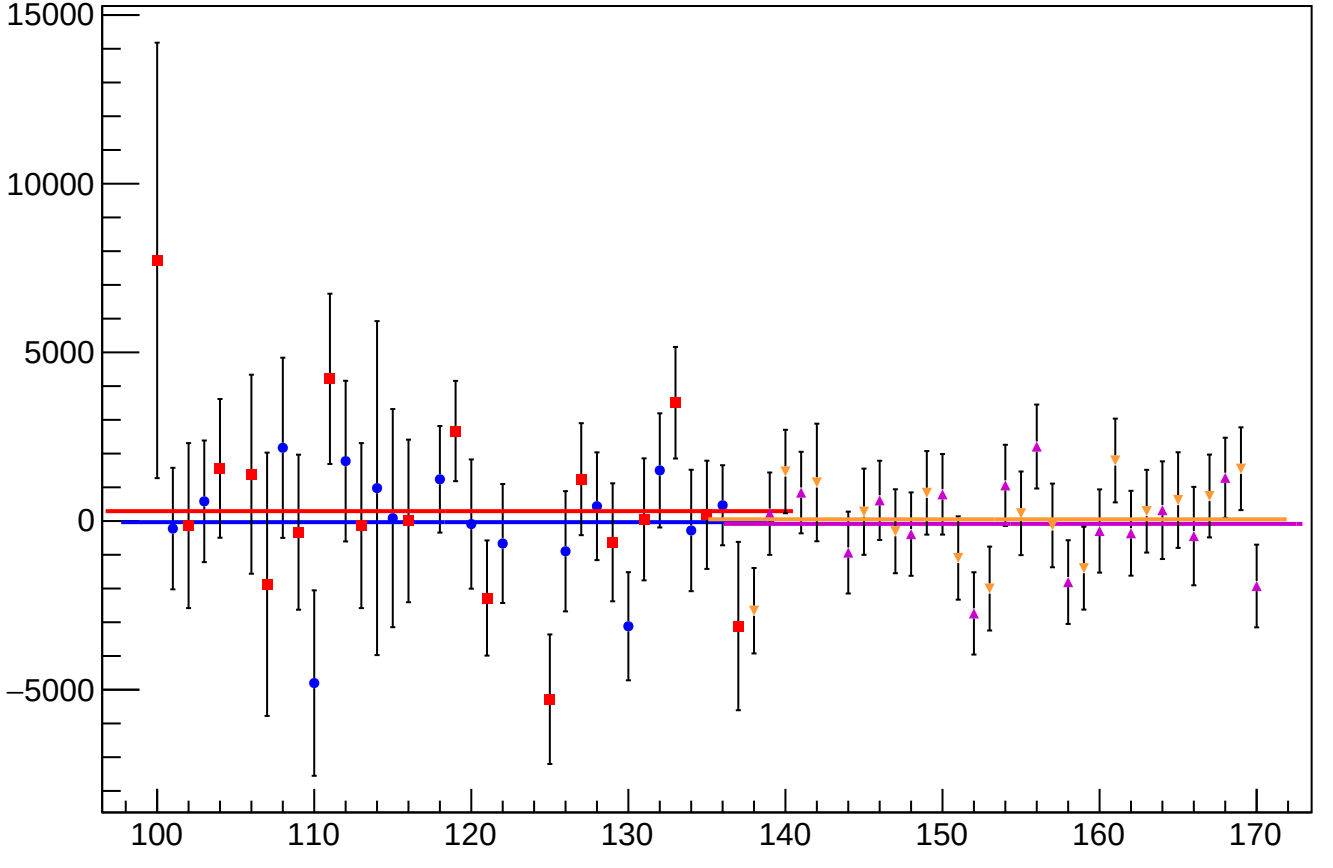
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.406+/-0.088 χ^2/NDF:2064134.5/31

Out: 539.452+/-0.089 χ^2/NDF:2077690.1/33

All: 540.952+/-0.062 χ^2/NDF: 4142385.5/65

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 52.049+/-317.450 χ^2/NDF:15.8/15

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -84.036+/-310.300 χ^2/NDF:16.9/15

Left: -17.543+/-221.900 χ^2/NDF: 32.8/31

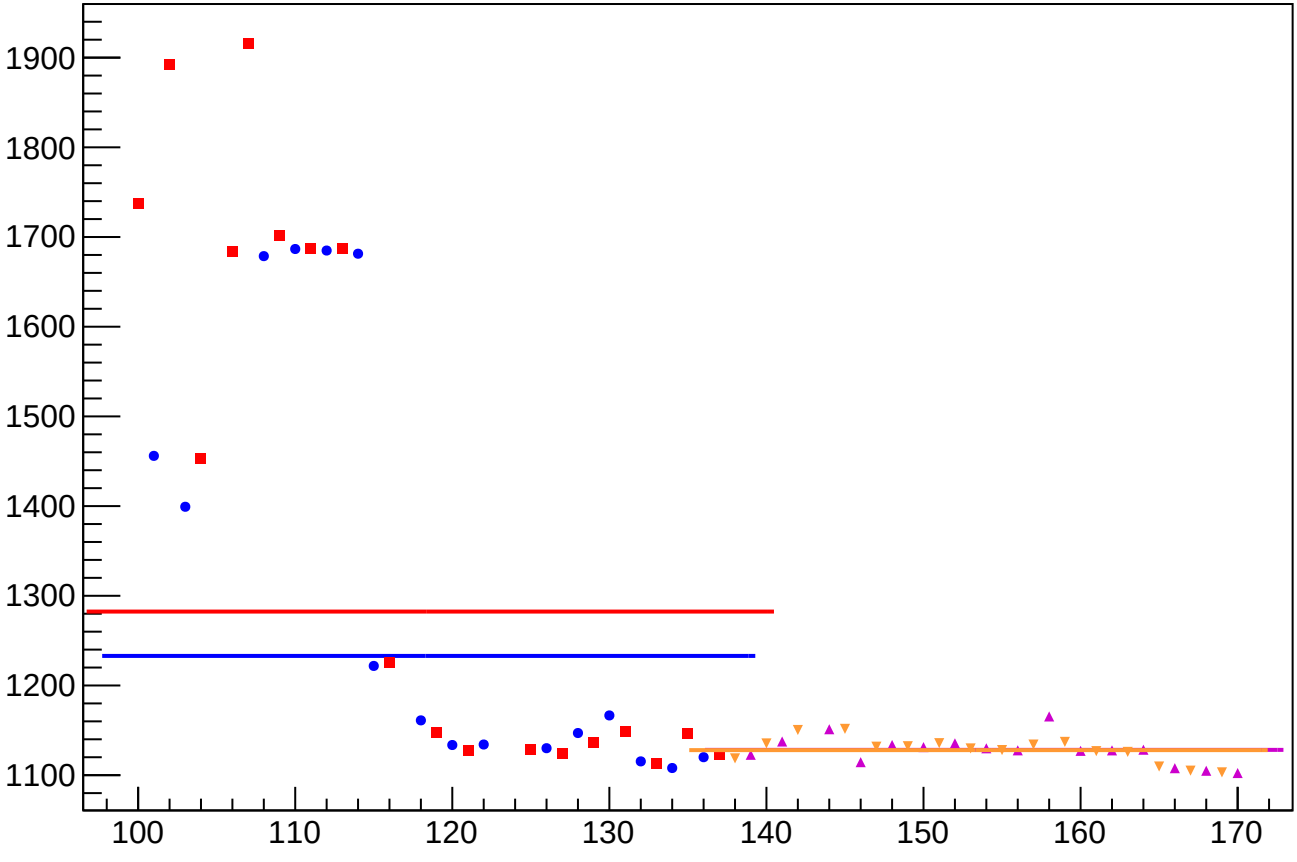
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -68.247+/-257.802 χ^2/NDF:27.1/31

Out: 124.675+/-265.421 χ^2/NDF:40.2/33

All: 25.405+/-184.928 χ^2/NDF: 67.6/65

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1127.930+/-0.224 χ^2/NDF:3338.6/15

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1128.208+/-0.219 χ^2/NDF:5133.8/15

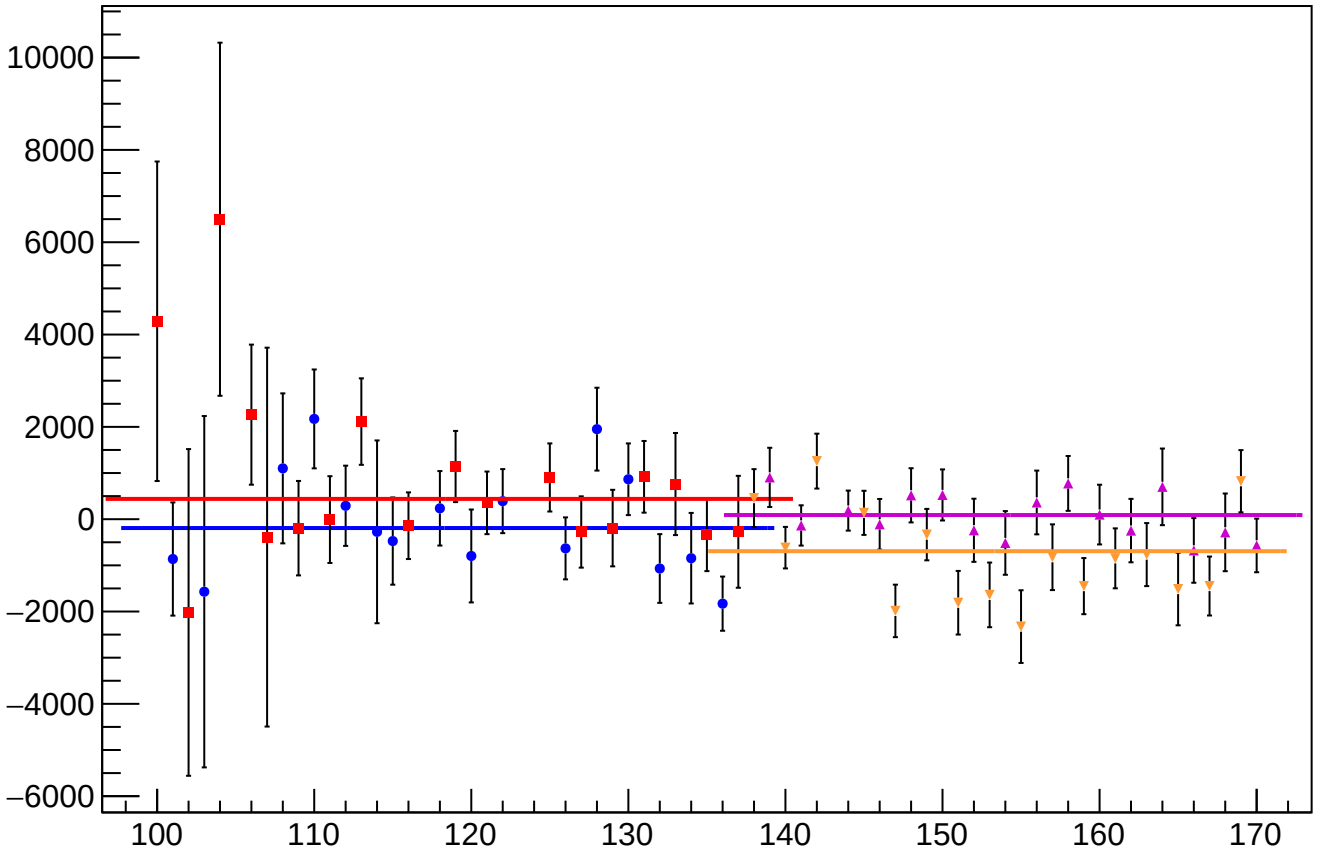
Left: 1128.072+/-0.157 χ^2/NDF: 8473.2/31

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1160.656+/-0.182 χ^2/NDF:391209.7/31

Out: 1174.417+/-0.188 χ^2/NDF:689262.0/33

All: 1167.336+/-0.131 χ^2/NDF: 1083238.1/65



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -692.664+/-153.861 χ^2/NDF:40.7/15

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 90.046+/-150.699 χ^2/NDF:9.2/15

Left: -293.186+/-107.661 χ^2/NDF: 63.1/31

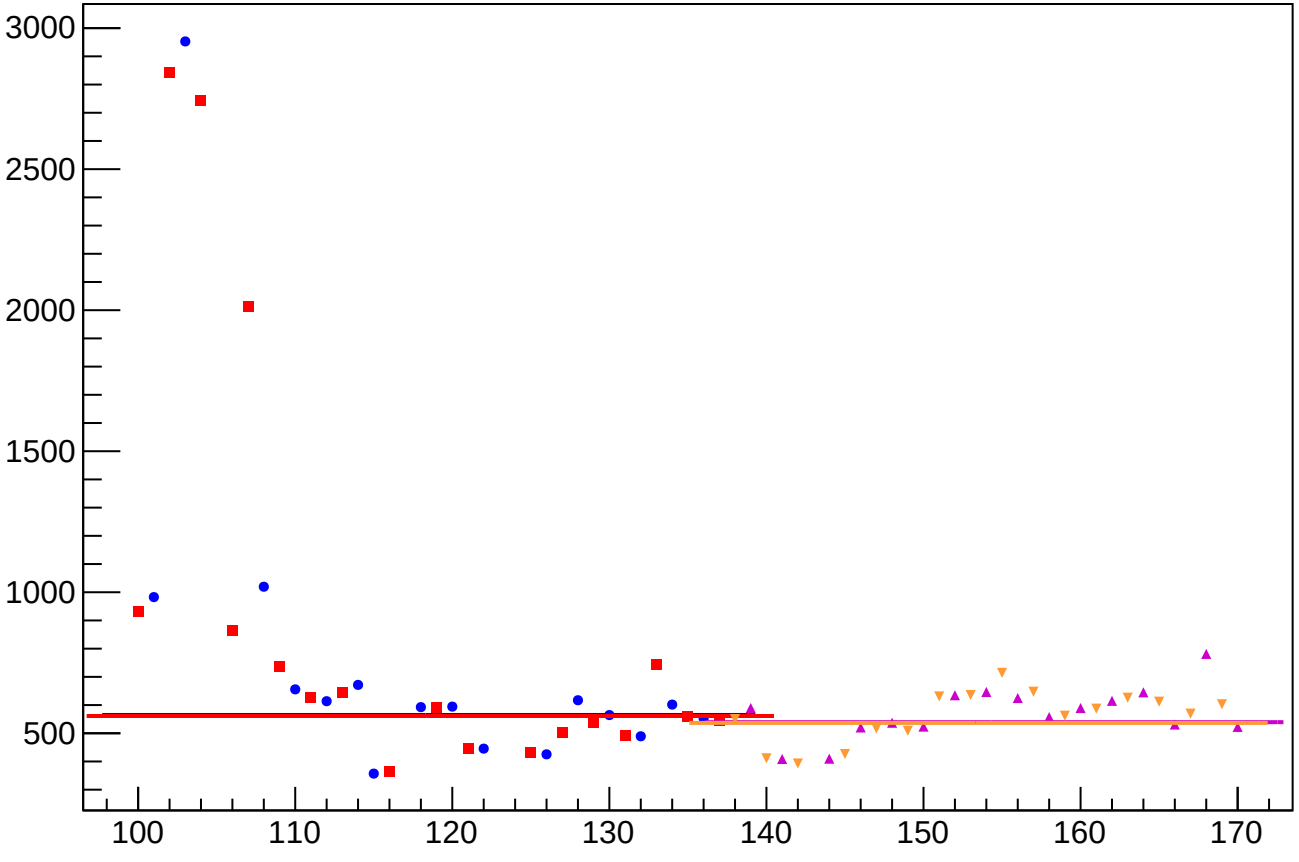
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 1.641+/-124.820 χ^2/NDF:35.5/31

Out: -335.371+/-127.291 χ^2/NDF:72.5/33

All: -163.562+/-89.122 χ^2/NDF: 111.6/65

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: 536.883+/-0.109 χ^2/NDF:707645.2/15

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 539.362+/-0.107 χ^2/NDF:729135.7/15

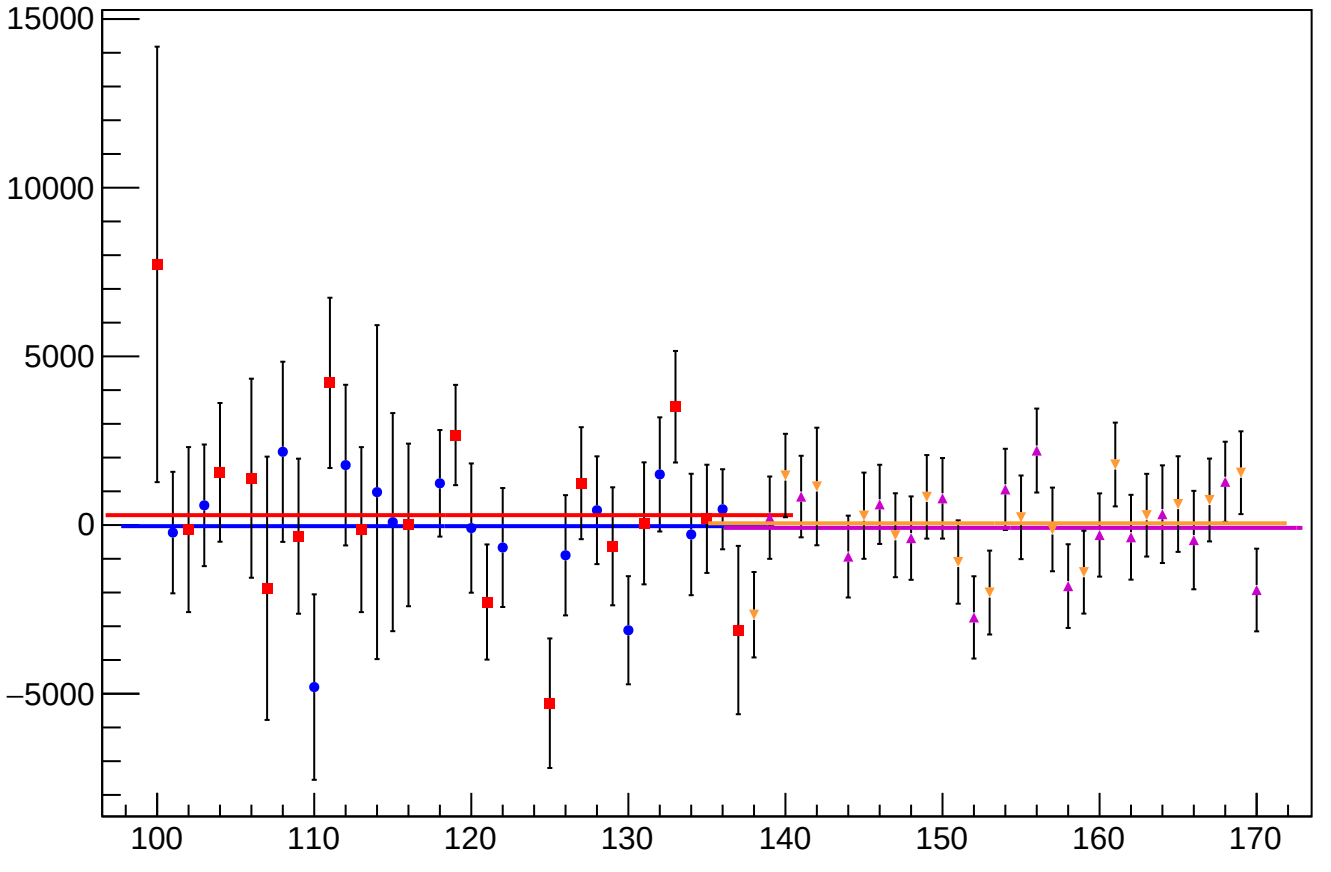
Left: 538.148+/-0.076 χ^2/NDF: 1437045.9/31

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 547.371+/-0.088 χ^2/NDF:2227502.5/31

Out: 544.579+/-0.090 χ^2/NDF:2996875.9/33

All: 546.003+/-0.063 χ^2/NDF: 5224868.8/65



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 52.047+/-317.450 χ^2/NDF:15.8/15

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -84.035+/-310.300 χ^2/NDF:16.9/15

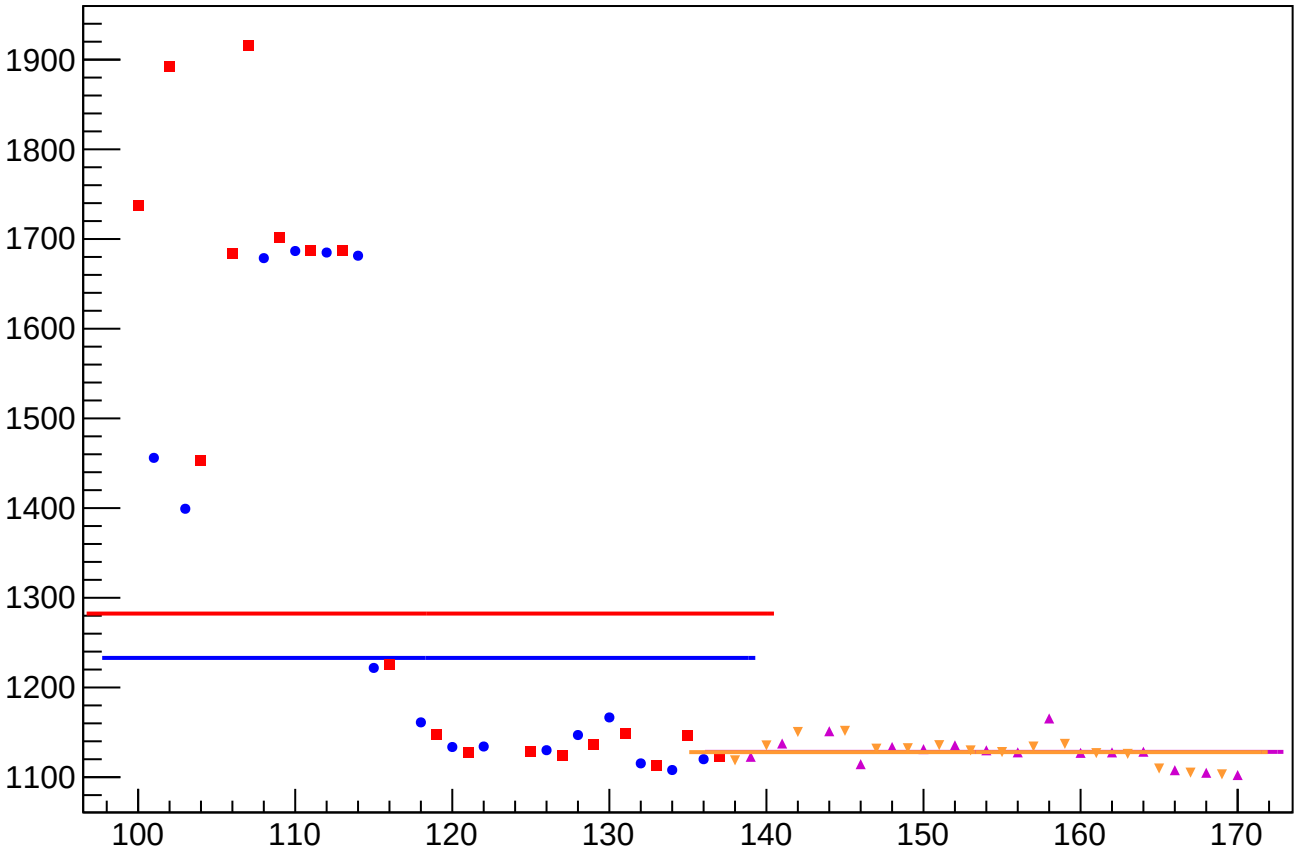
Left: -17.544+/-221.900 χ^2/NDF: 32.8/31

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -68.246+/-257.802 χ^2/NDF:27.1/31

Out: 124.673+/-265.421 χ^2/NDF:40.2/33

All: 25.405+/-184.928 χ^2/NDF: 67.6/65



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1127.930+/-0.224 χ^2/NDF:3338.6/15

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1128.208+/-0.219 χ^2/NDF:5133.8/15

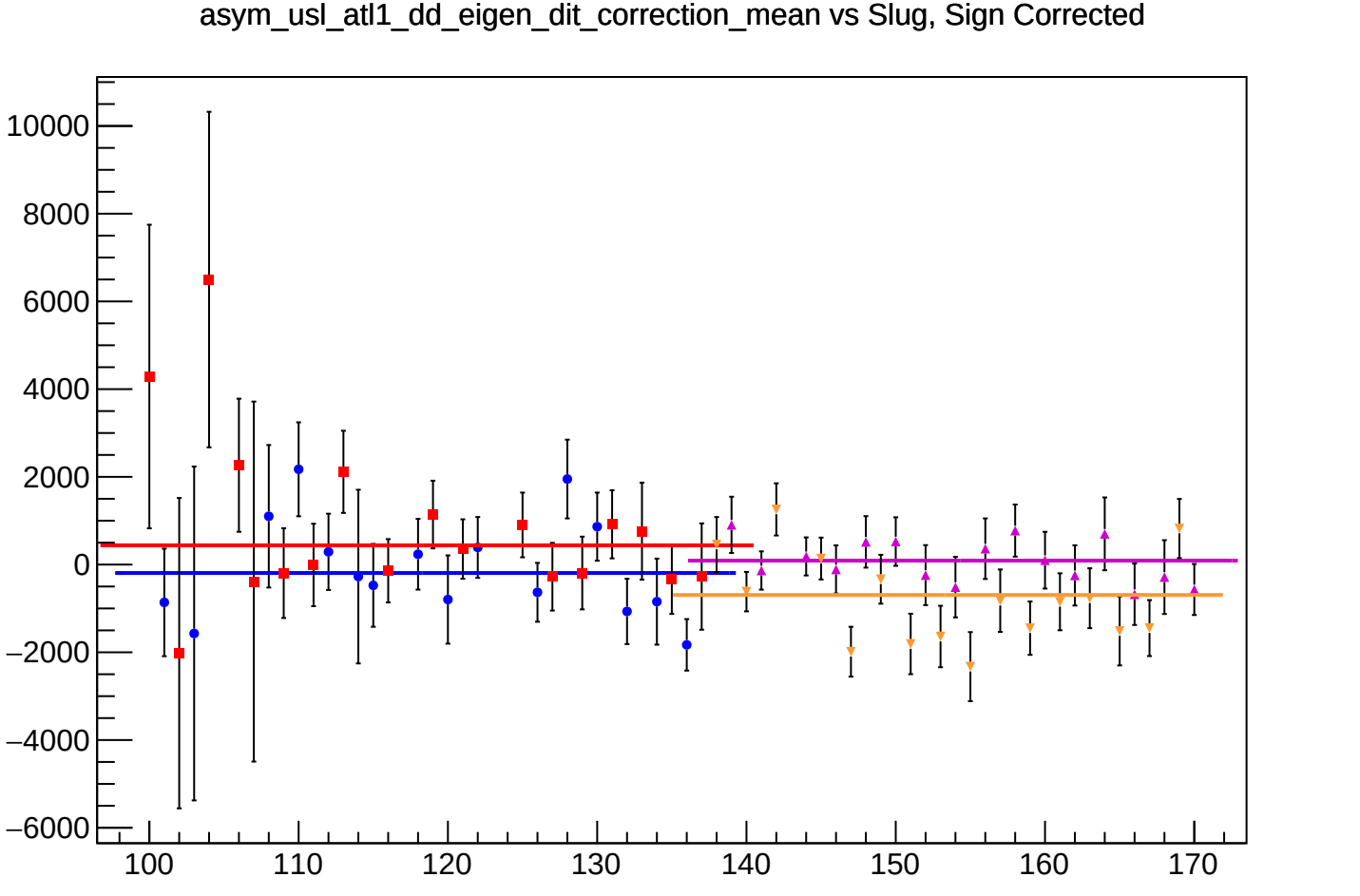
Left: 1128.072+/-0.157 χ^2/NDF: 8473.2/31

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1160.656+/-0.182 χ^2/NDF:391209.2/31

Out: 1174.417+/-0.188 χ^2/NDF:689261.3/33

All: 1167.336+/-0.131 χ^2/NDF: 1083236.9/65



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -692.662+/-153.860 χ^2/NDF:40.7/15

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 90.046+/-150.699 χ^2/NDF:9.2/15

Left: -293.185+/-107.661 χ^2/NDF: 63.1/31

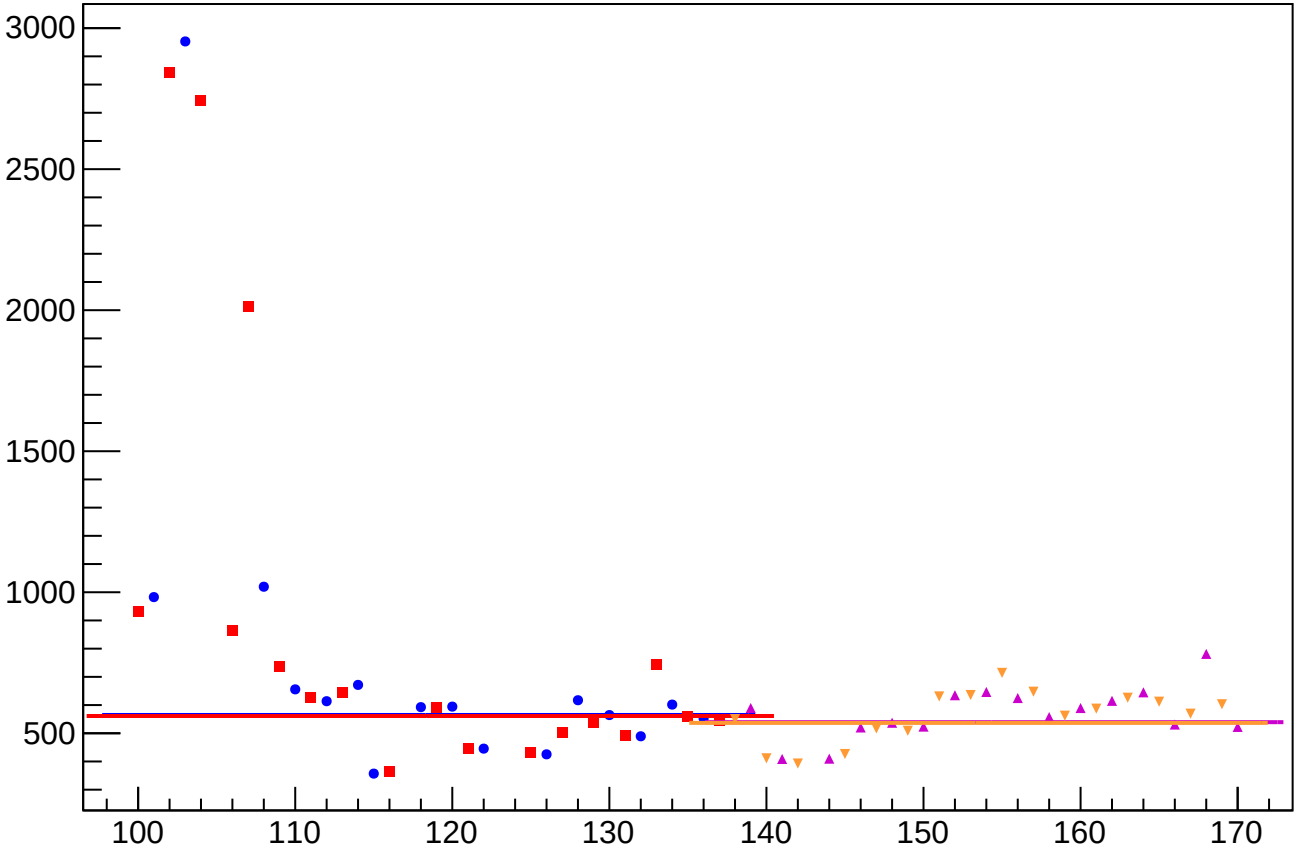
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 1.642+/-124.820 χ^2/NDF:35.5/31

Out: -335.370+/-127.291 χ^2/NDF:72.5/33

All: -163.562+/-89.122 χ^2/NDF: 111.6/65

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: 536.882+/-0.109 χ^2/NDF:707663.8/15

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.362+/-0.107 χ^2/NDF:729148.1/15

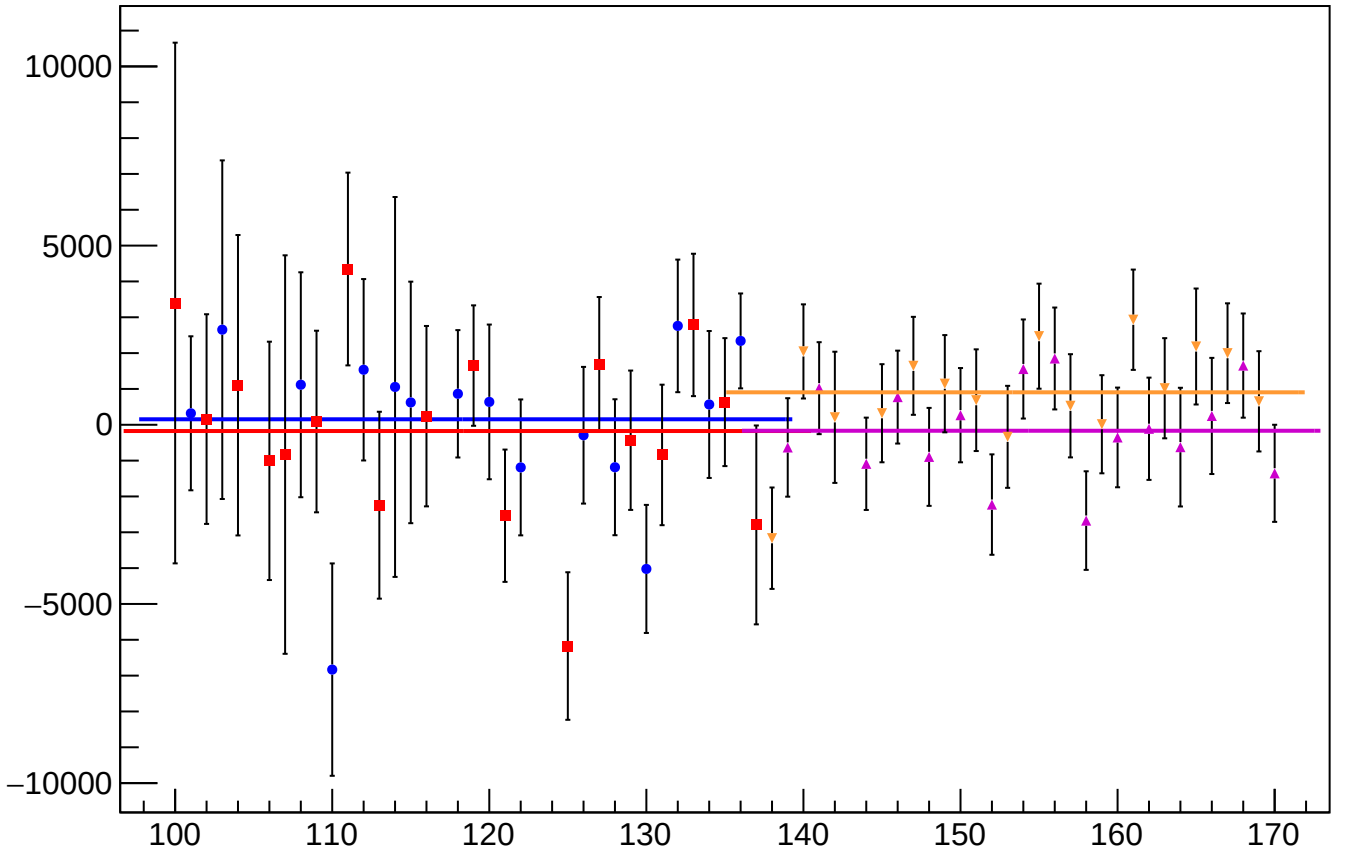
Left: 538.148+/-0.076 χ^2/NDF: 1437076.9/31

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 547.370+/-0.088 χ^2/NDF:2227513.1/31

Out: 544.579+/-0.090 χ^2/NDF:2996896.1/33

All: 546.002+/-0.063 χ^2/NDF: 5224899.6/65



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 905.883+/-355.946 χ^2/NDF:15.5/15

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -166.735+/-347.645 χ^2/NDF:13.9/15

Left: 356.921+/-248.705 χ^2/NDF: 34.1/31

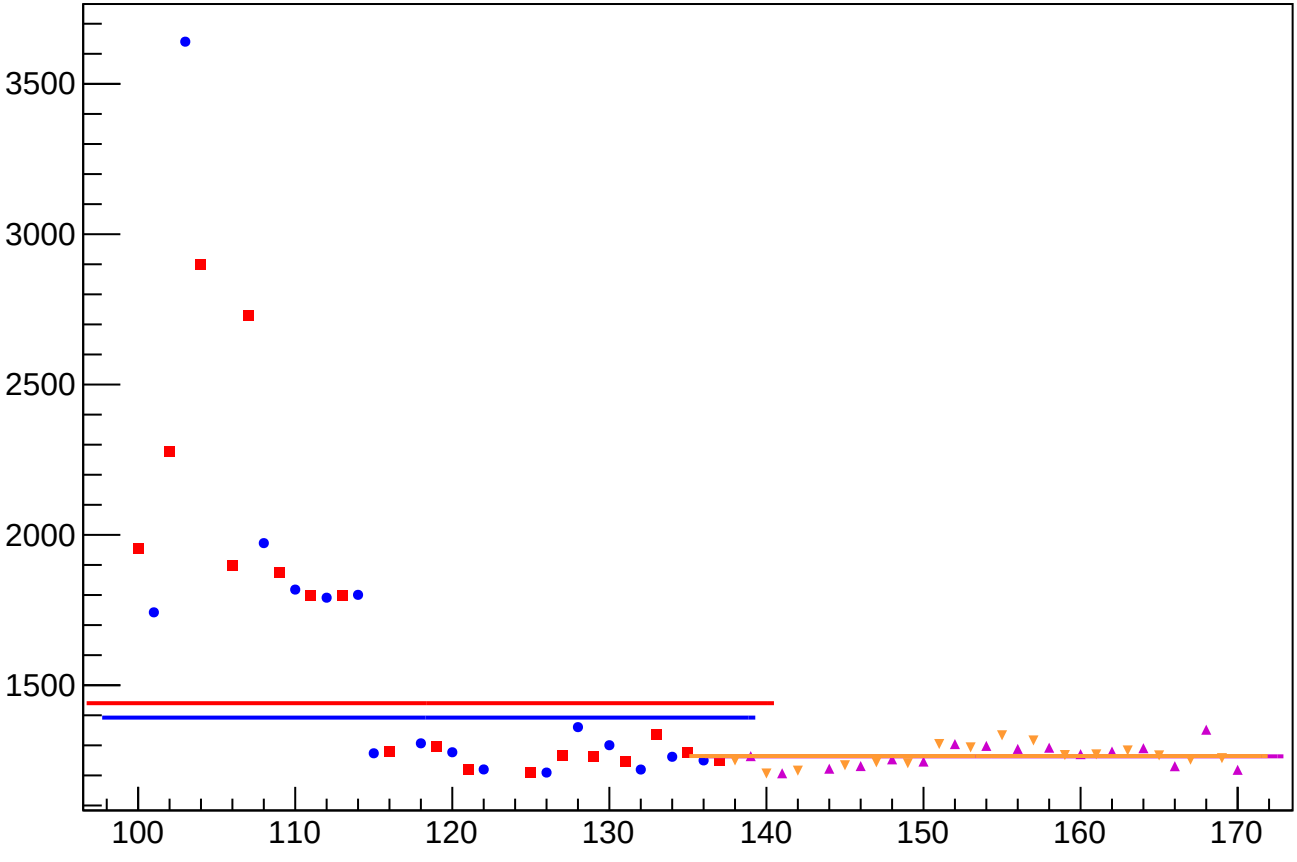
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -70.970+/-291.034 χ^2/NDF:32.0/31

Out: 587.136+/-298.851 χ^2/NDF:37.9/33

All: 249.365+/-208.501 χ^2/NDF: 72.3/65

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.429+/-0.252 χ^2/NDF:17657.1/15

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1263.464+/-0.246 χ^2/NDF:23286.2/15

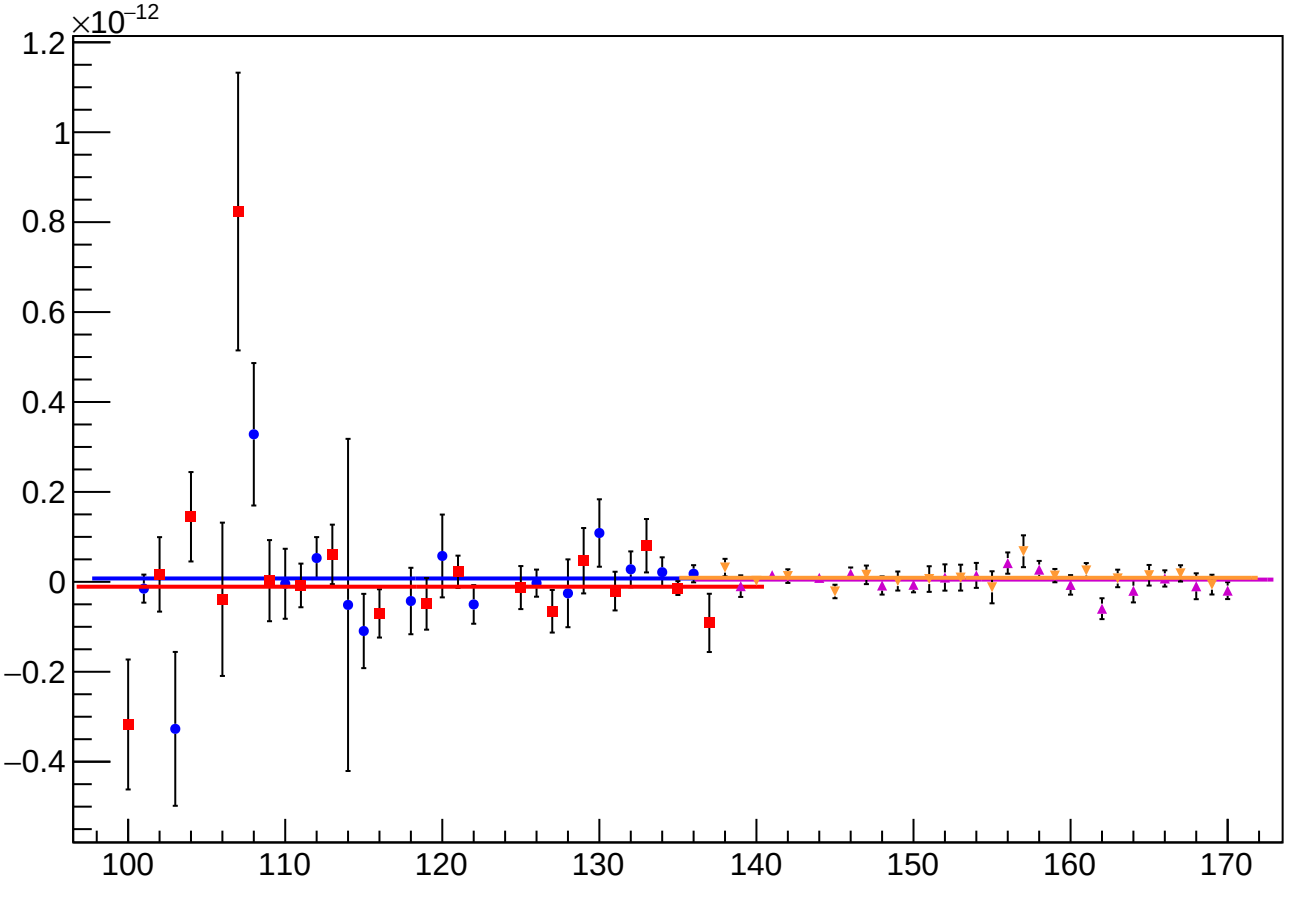
Left: 1263.935+/-0.176 χ^2/NDF: 40950.8/31

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1302.006+/-0.206 χ^2/NDF:884700.9/31

Out: 1316.302+/-0.211 χ^2/NDF:1016490.8/33

All: 1308.965+/-0.147 χ^2/NDF: 1903540.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/15

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:18.2/15

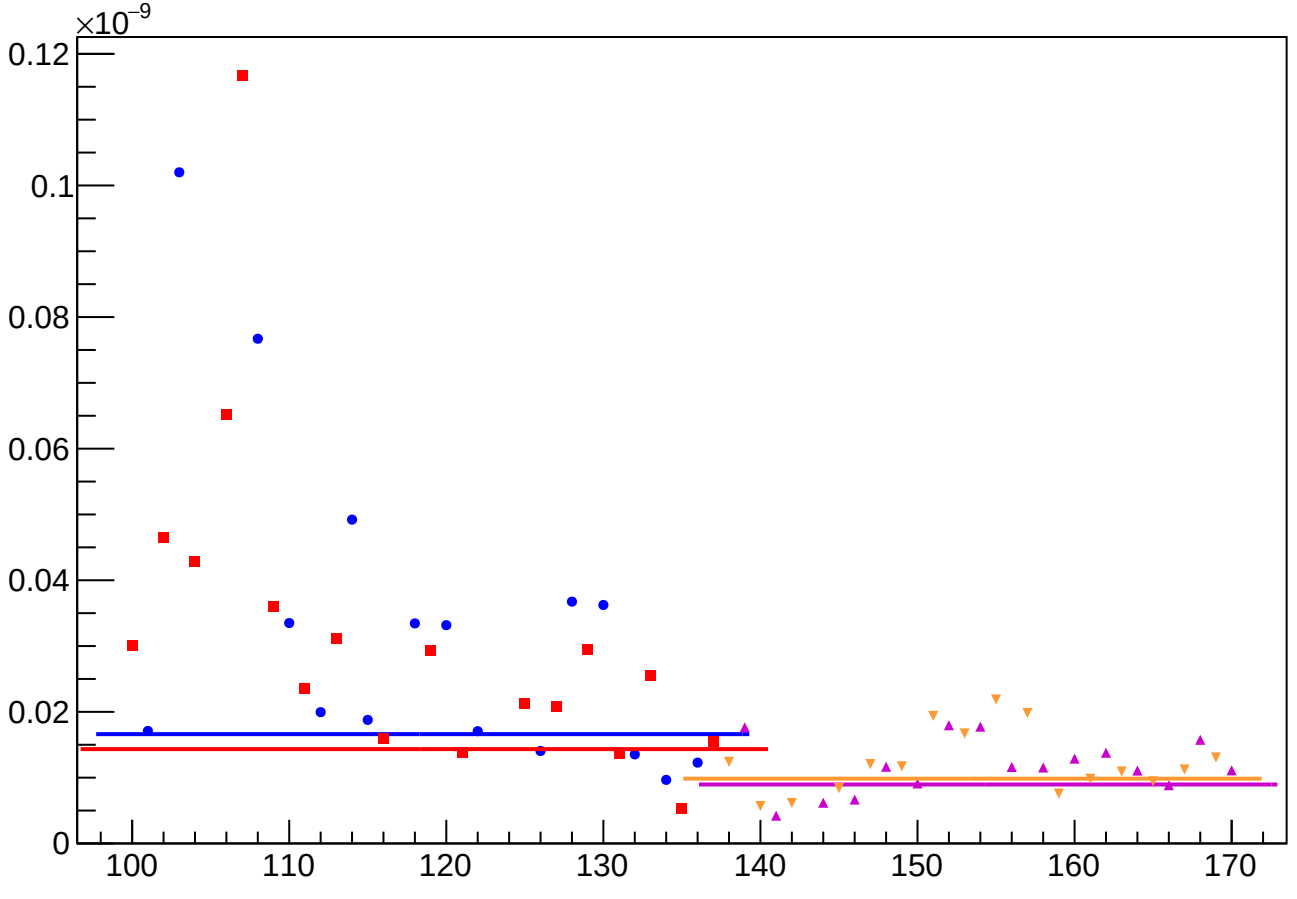
Left: 0.000+/-0.000 χ^2/NDF: 29.8/31

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: 0.000+/-0.000 χ^2/NDF:38.1/33

All: 0.000+/-0.000 χ^2/NDF: 73.3/65



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1323320.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1754600.4/15

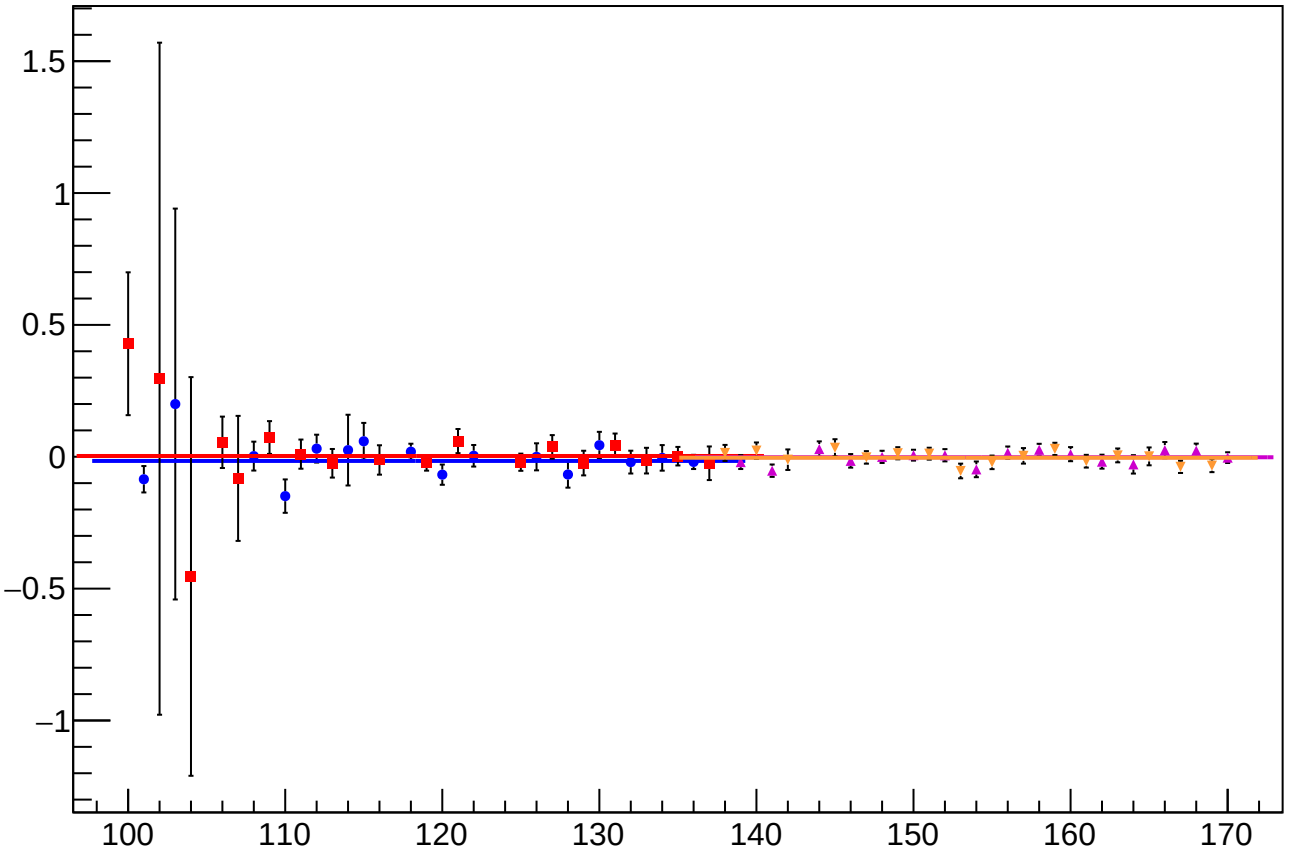
Left: 0.000+/-0.000 χ^2/NDF: 3116622.3/31

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4181865.9/31

Out: 0.000+/-0.000 χ^2/NDF:3881828.2/33

All: 0.000+/-0.000 χ^2/NDF: 8081435.8/65



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.007 χ^2/NDF:13.5/15

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/15

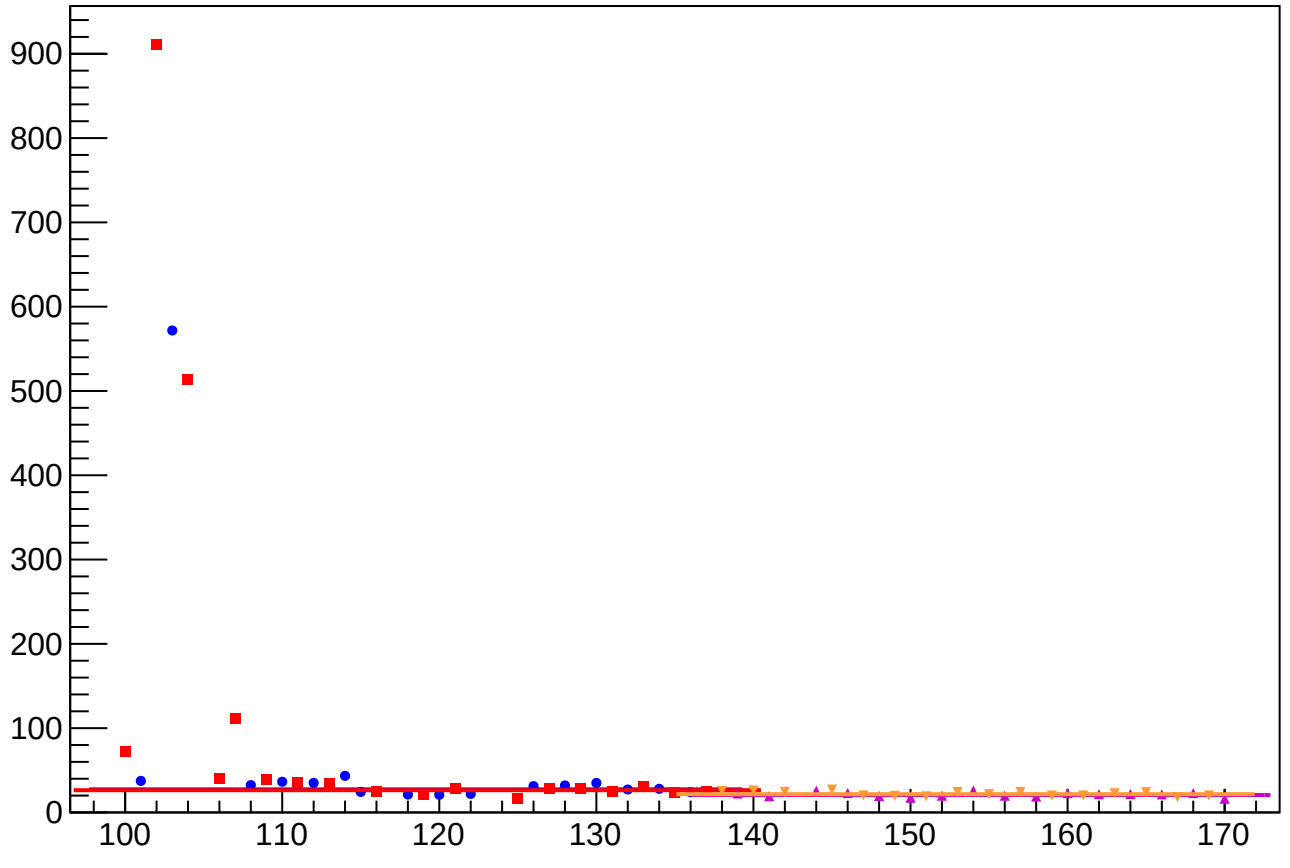
Left: -0.003+/-0.005 χ^2/NDF: 27.7/31

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.002+/-0.006 χ^2/NDF:23.6/33

All: -0.004+/-0.004 χ^2/NDF: 53.7/65



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.682+/-0.005 χ^2/NDF:300064.6/15

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363515.9/15

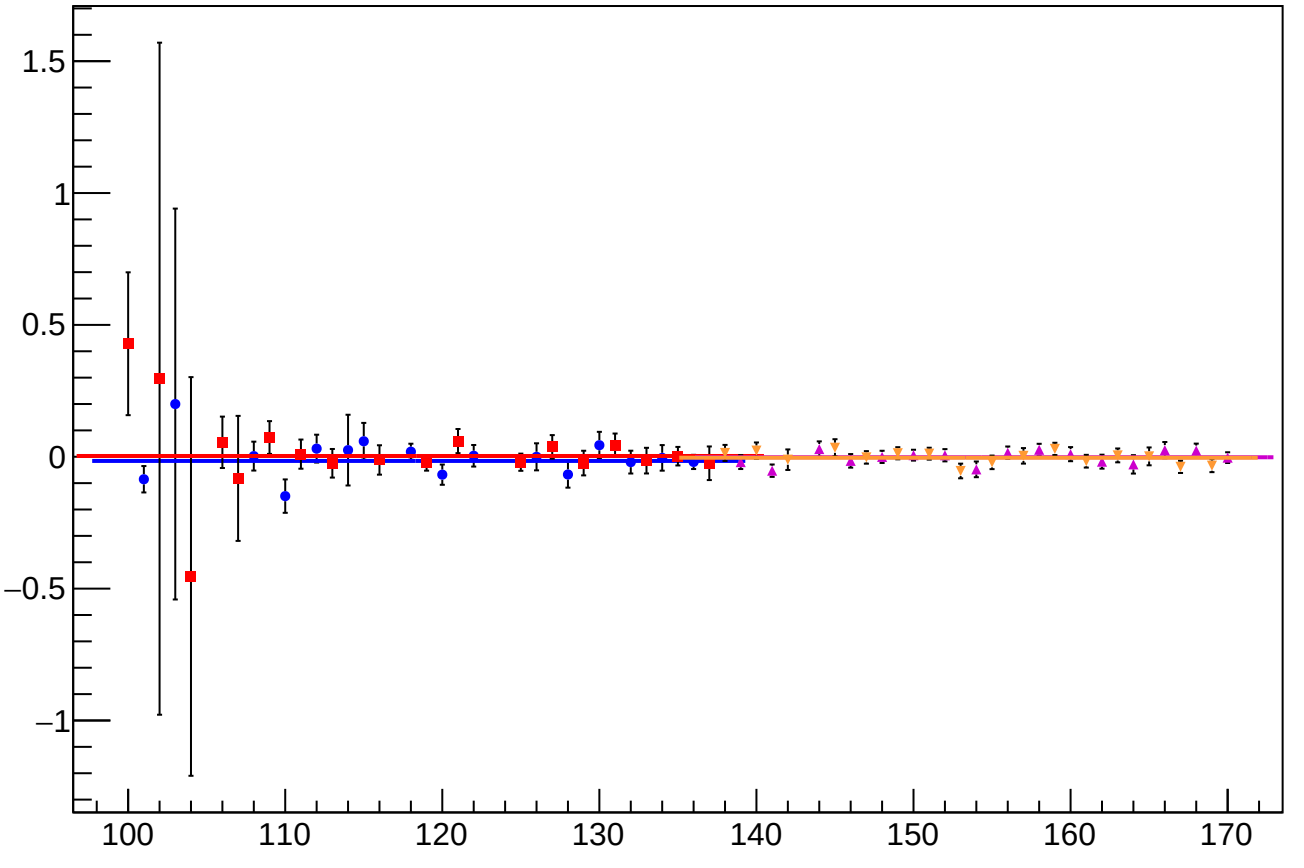
Left: 21.136+/-0.003 χ^2/NDF: 689168.7/31

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.161+/-0.004 χ^2/NDF:2444296.3/31

Out: 22.785+/-0.004 χ^2/NDF:3150735.0/33

All: 22.457+/-0.003 χ^2/NDF: 5607180.9/65



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.007 χ^2/NDF:13.5/15

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/15

Left: -0.003+/-0.005 χ^2/NDF: 27.7/31

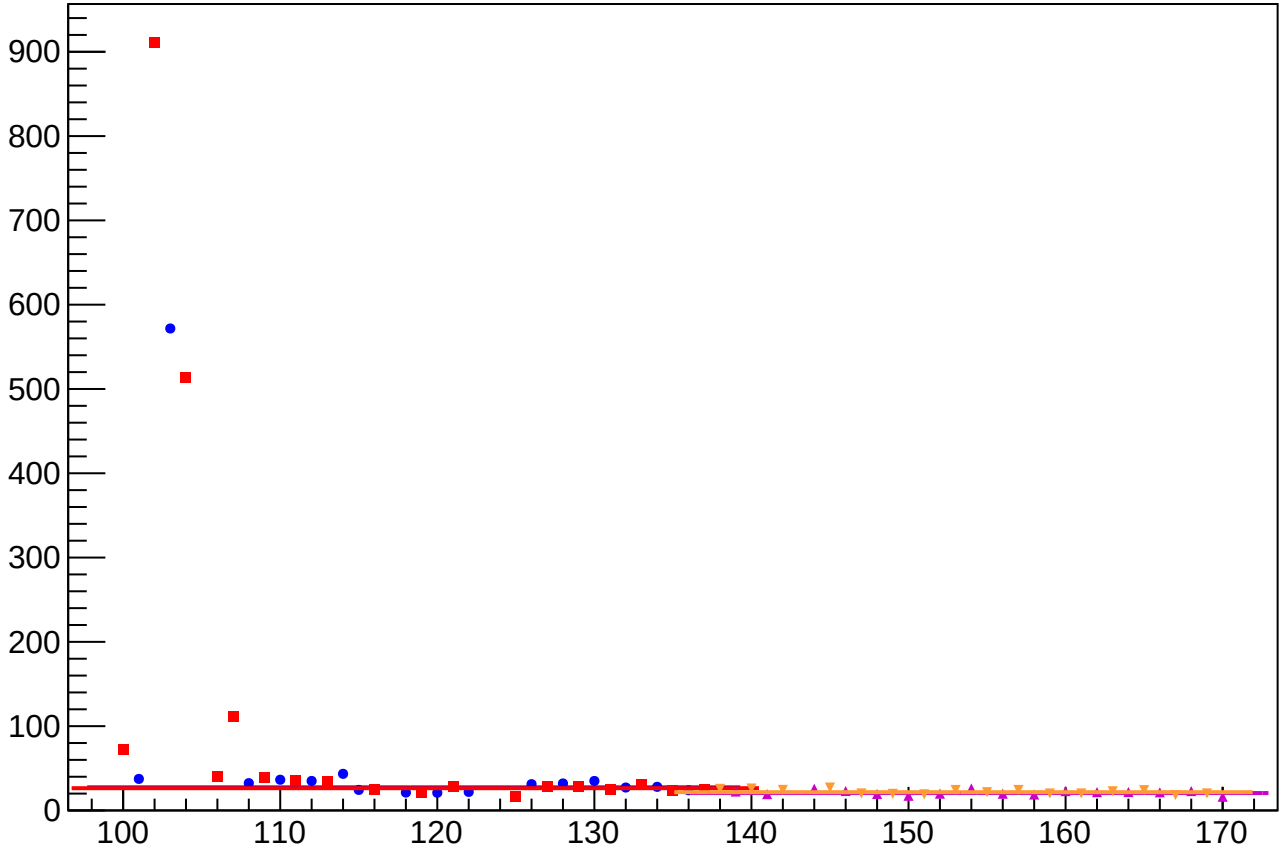
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.002+/-0.006 χ^2/NDF:23.6/33

All: -0.004+/-0.004 χ^2/NDF: 53.7/65

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: 21.682+/-0.005 χ^2/NDF:300064.6/15

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363515.9/15

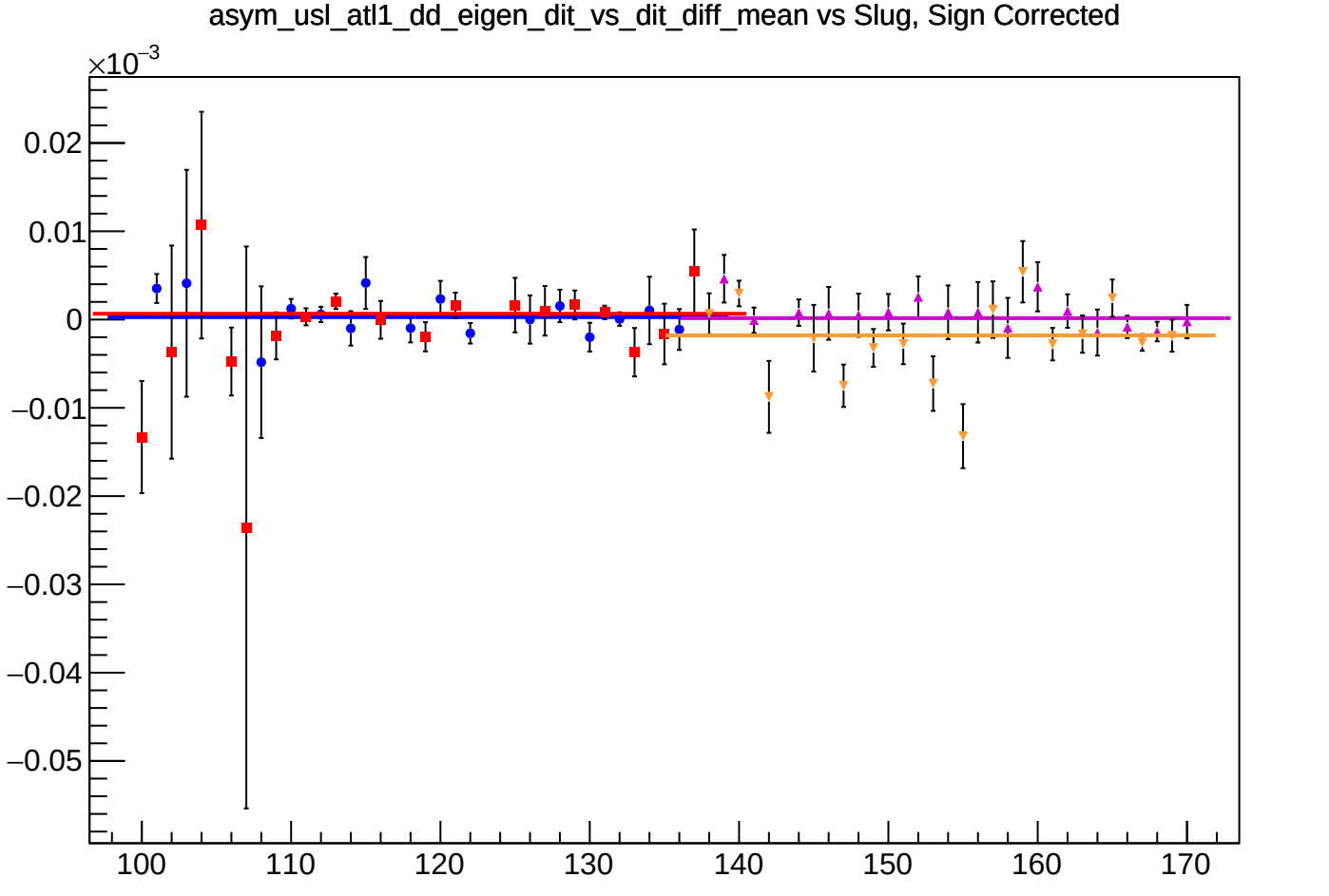
Left: 21.136+/-0.003 χ^2/NDF: 689168.7/31

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

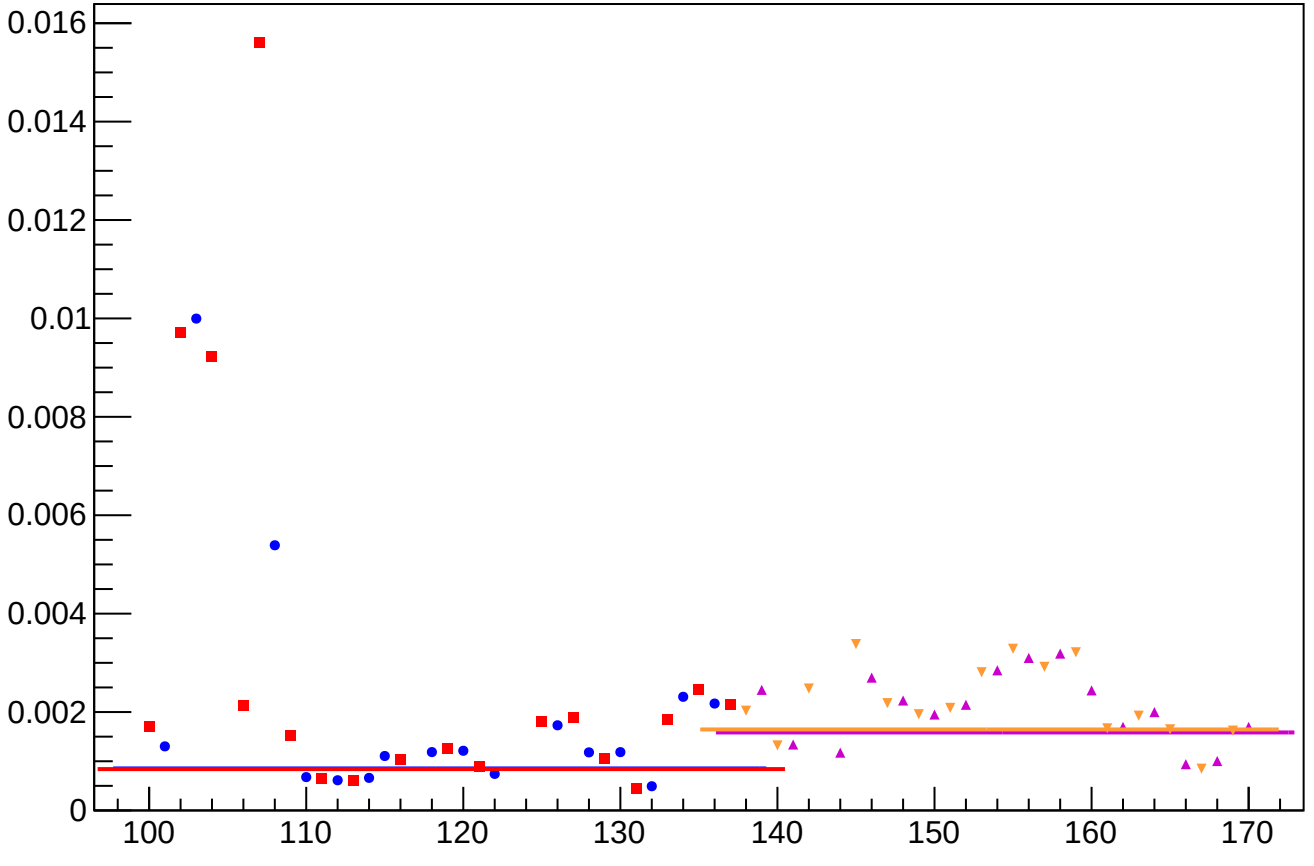
In: 22.161+/-0.004 χ^2/NDF:2444296.3/31

Out: 22.785+/-0.004 χ^2/NDF:3150735.0/33

All: 22.457+/-0.003 χ^2/NDF: 5607180.9/65


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:44.2/15
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: 0.000+/-0.000 χ²/NDF:9.1/15
Left: -0.000+/-0.000 χ²/NDF: 61.1/31
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: 0.000+/-0.000 χ²/NDF:23.5/31
Out: -0.000+/-0.000 χ²/NDF:77.9/33
All: -0.000+/-0.000 χ²/NDF: 102.9/65

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:3750518.8/15

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:3510070.0/15

Left: 0.002+/-0.000 χ^2/NDF: 7275860.4/31

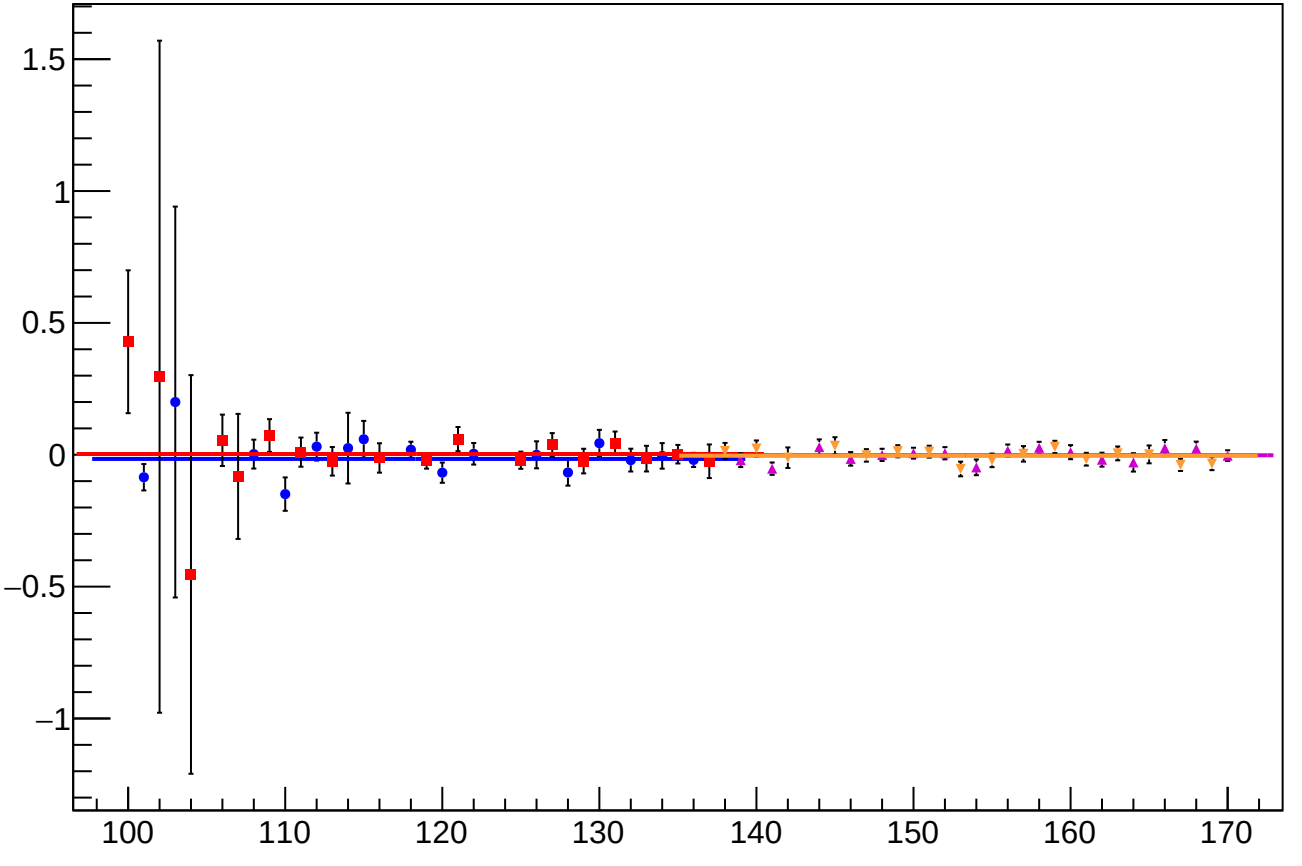
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10246586.8/31

Out: 0.001+/-0.000 χ^2/NDF:11917561.6/33

All: 0.001+/-0.000 χ^2/NDF: 22167818.6/65

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+/-0.007 χ^2/NDF:13.5/15

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/15

Left: -0.003+/-0.005 χ^2/NDF: 27.7/31

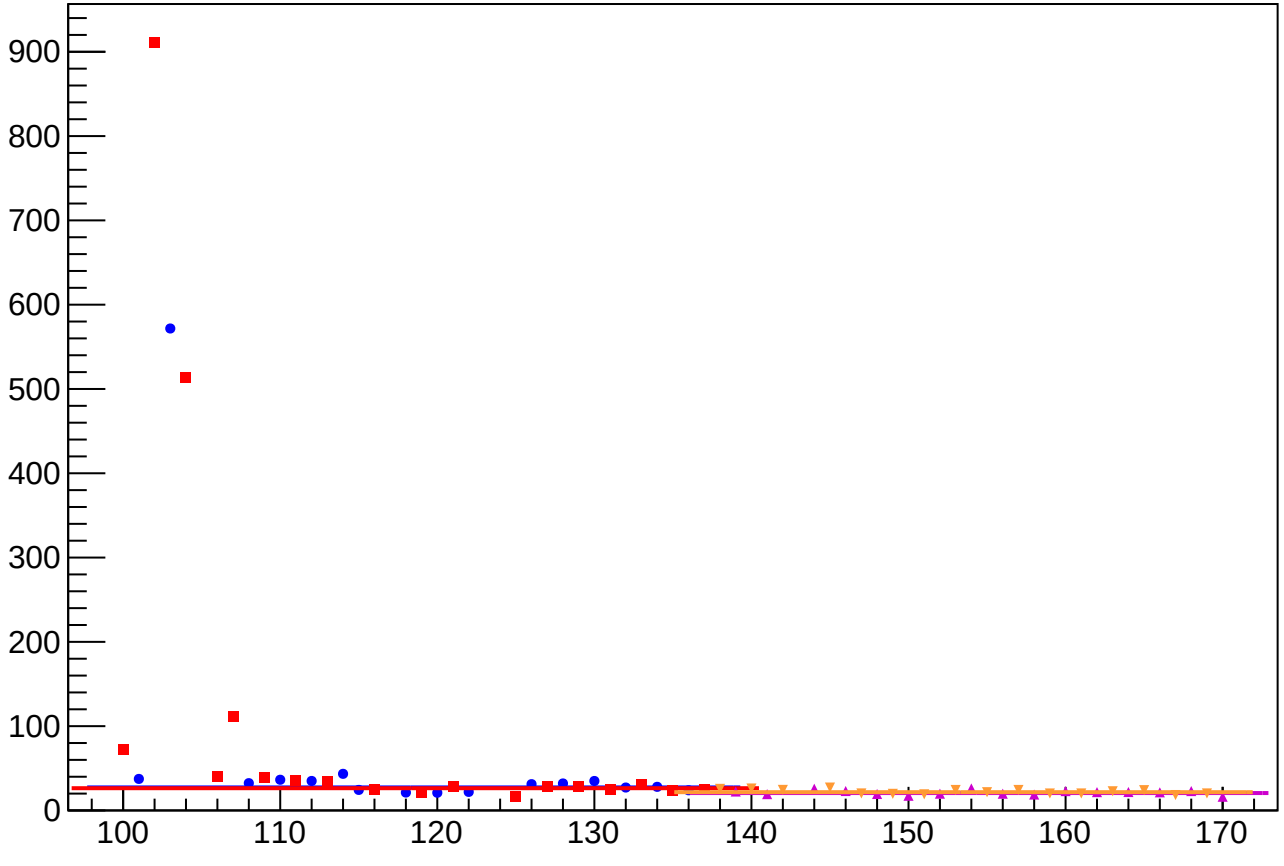
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.002+/-0.006 χ^2/NDF:23.6/33

All: -0.004+/-0.004 χ^2/NDF: 53.7/65

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: 21.682+/-0.005 χ^2/NDF:300045.9/15

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363536.7/15

Left: 21.136+/-0.003 χ^2/NDF: 689166.8/31

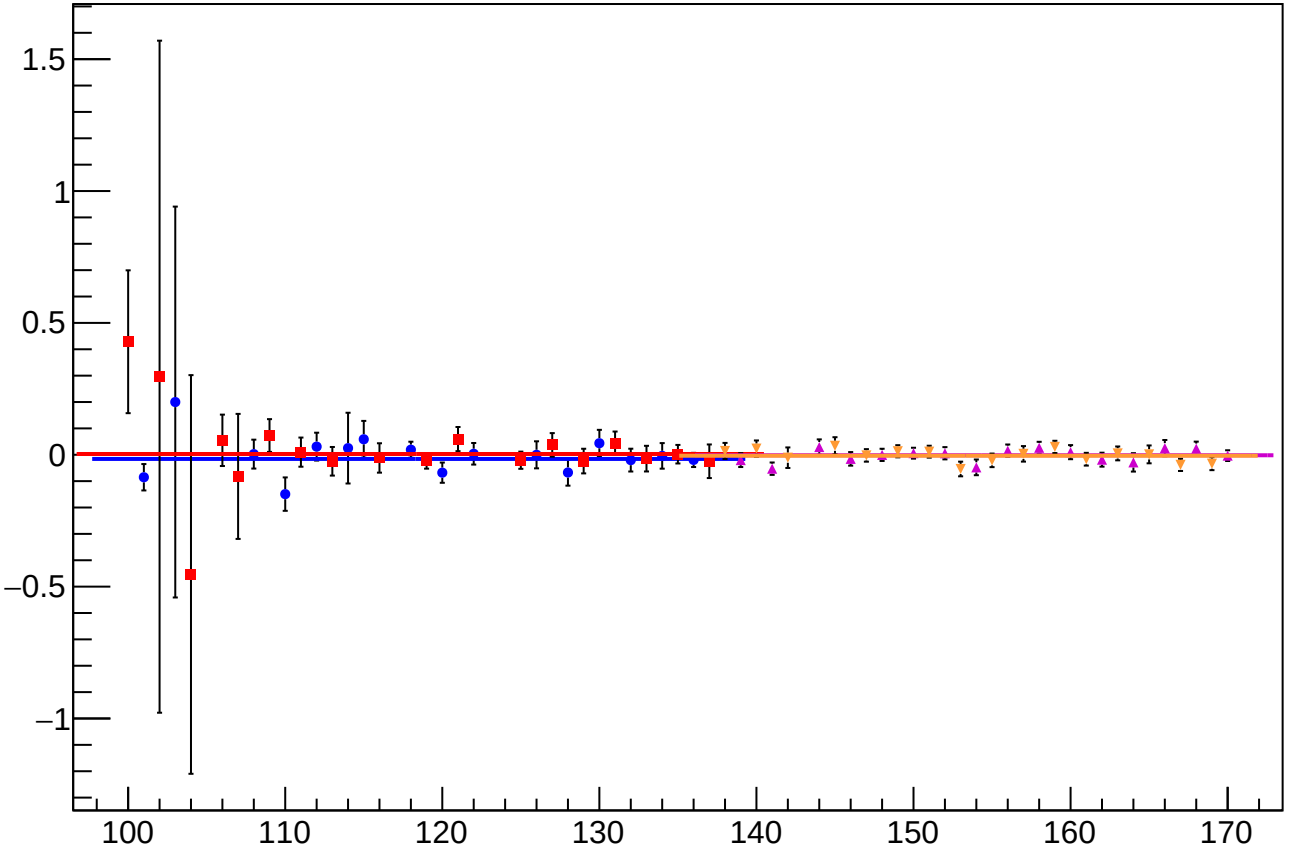
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.161+/-0.004 χ^2/NDF:2444315.3/31

Out: 22.785+/-0.004 χ^2/NDF:3150744.9/33

All: 22.457+/-0.003 χ^2/NDF: 5607207.2/65

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+/-0.007 χ^2/NDF:13.5/15

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/15

Left: -0.003+/-0.005 χ^2/NDF: 27.7/31

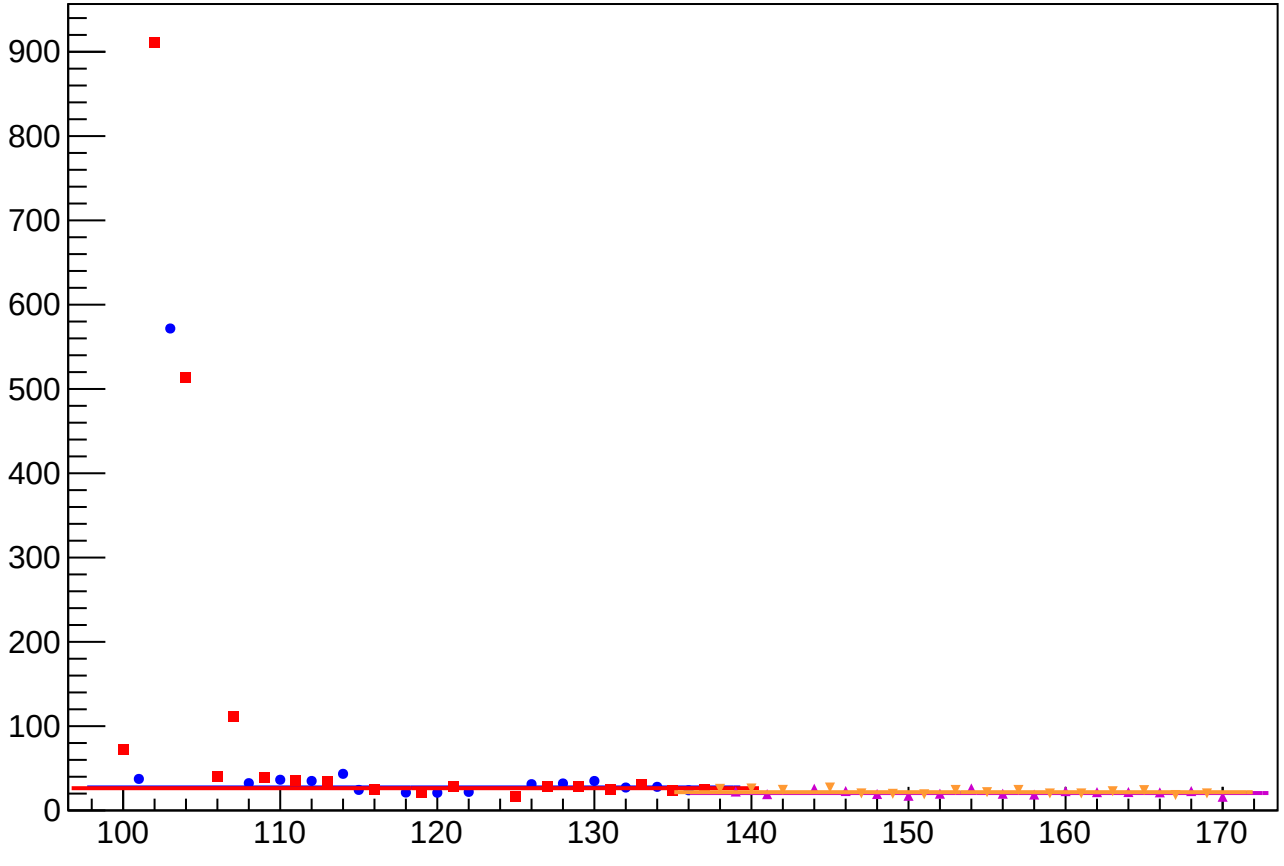
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.002+/-0.006 χ^2/NDF:23.6/33

All: -0.004+/-0.004 χ^2/NDF: 53.7/65

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: 21.682+/-0.005 χ^2/NDF:300045.9/15

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363536.7/15

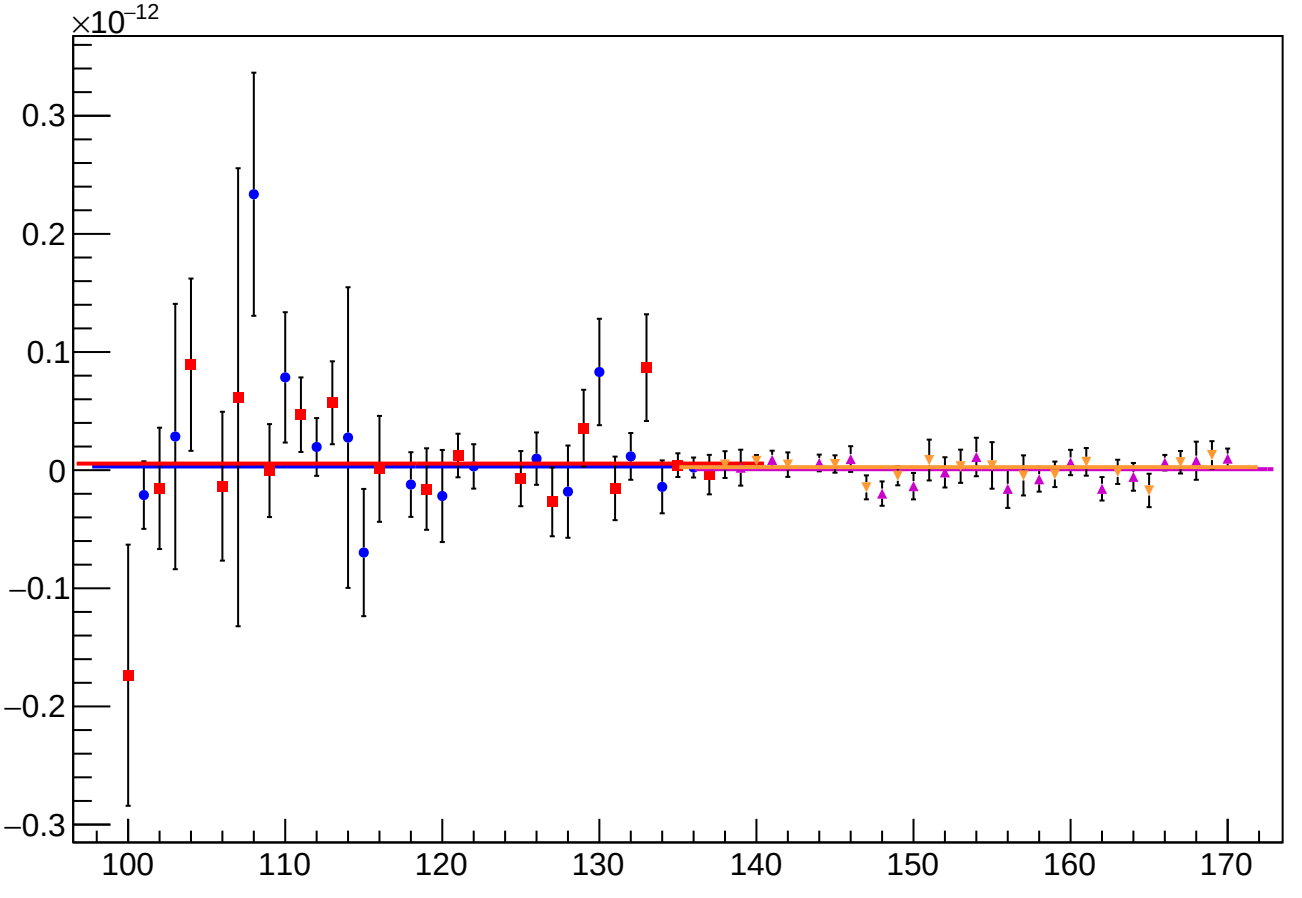
Left: 21.136+/-0.003 χ^2/NDF: 689166.8/31

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.161+/-0.004 χ^2/NDF:2444315.3/31

Out: 22.785+/-0.004 χ^2/NDF:3150744.9/33

All: 22.457+/-0.003 χ^2/NDF: 5607207.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:15.4/15

Left: 0.000+/-0.000 χ^2/NDF: 24.5/31

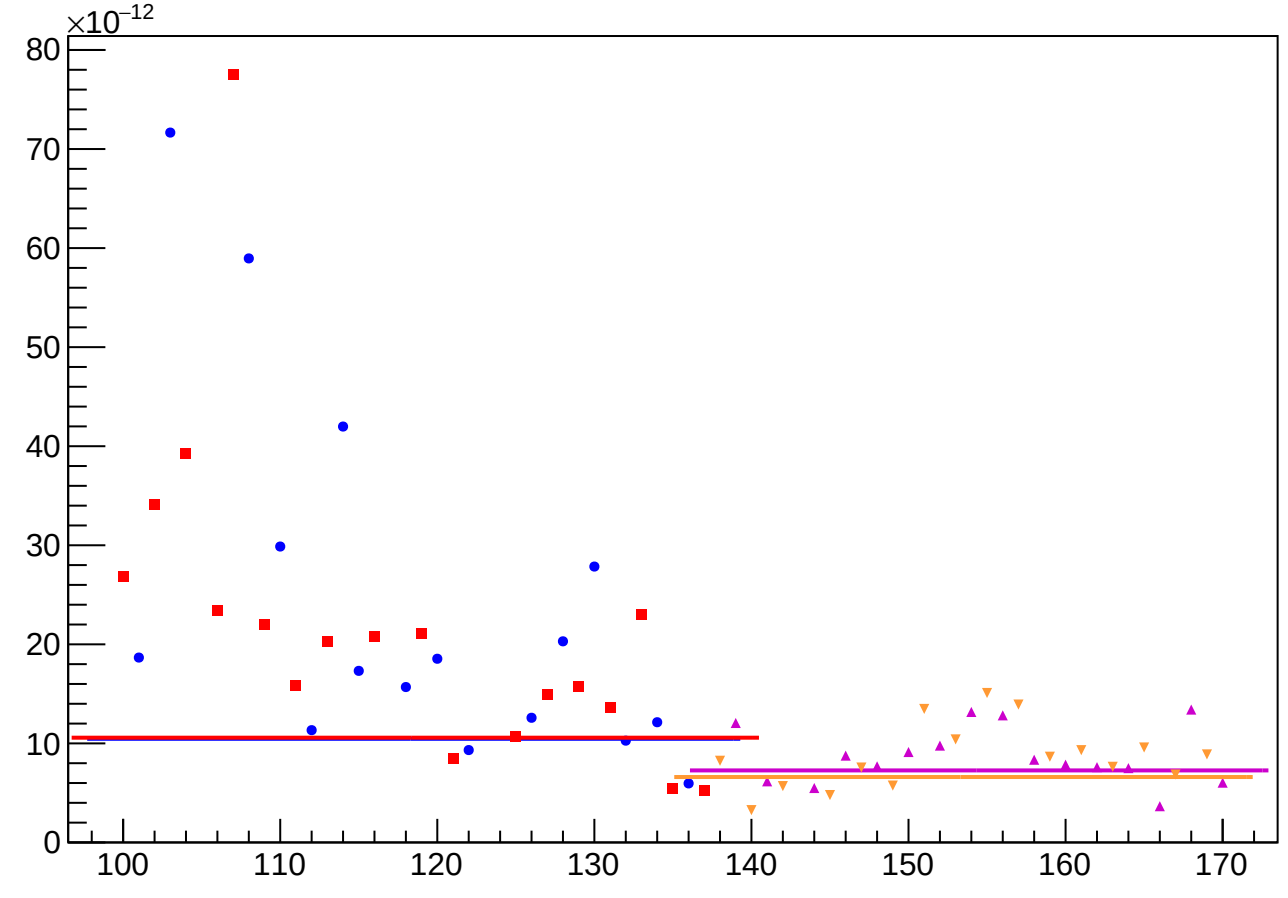
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:30.6/31

Out: 0.000+/-0.000 χ^2/NDF:24.3/33

All: 0.000+/-0.000 χ^2/NDF: 55.2/65

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2714742.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2001746.1/15

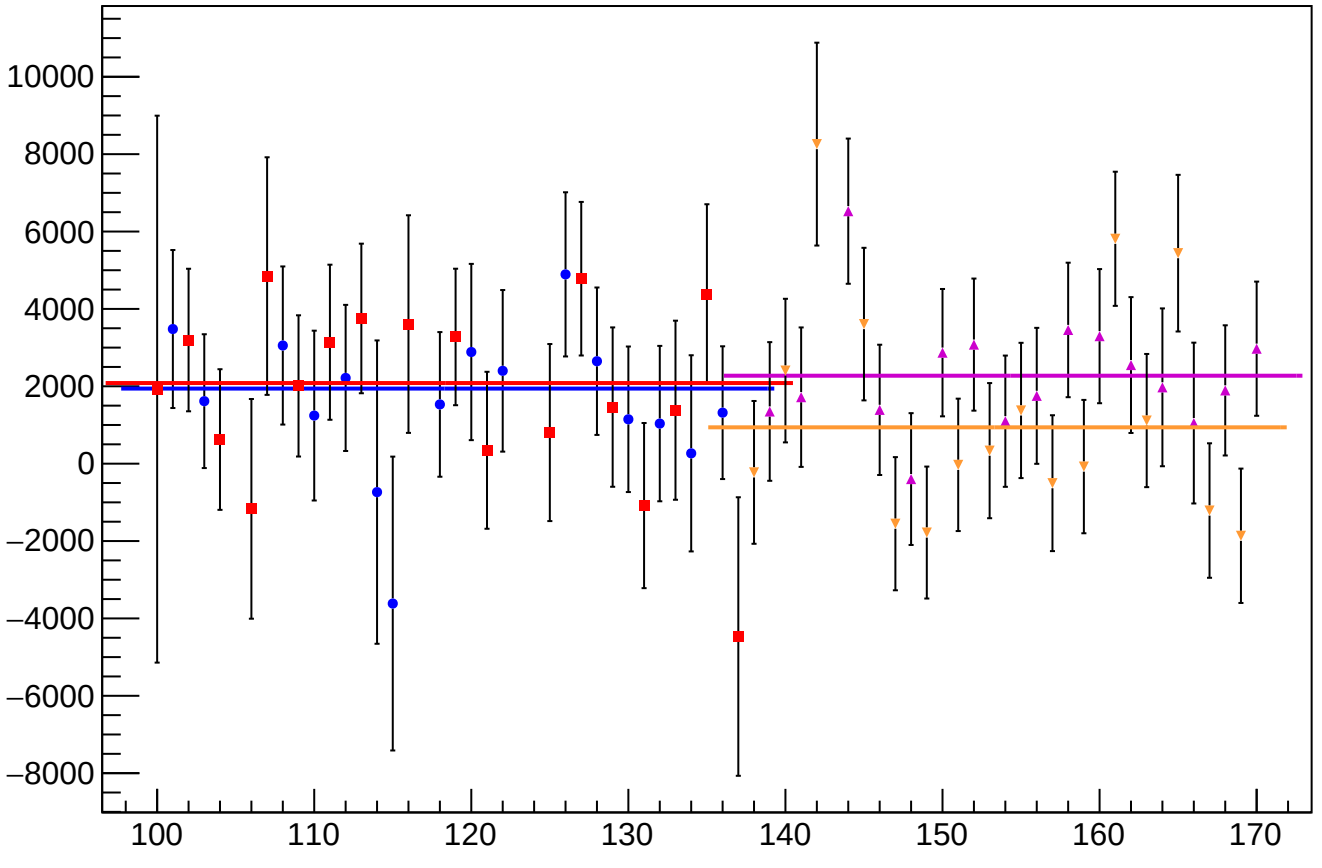
Left: 0.000+/-0.000 χ^2/NDF: 4788122.5/31

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5314273.9/31

Out: 0.000+/-0.000 χ^2/NDF:6218189.6/33

All: 0.000+/-0.000 χ^2/NDF: 11607270.2/65



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 939.342+/-451.647 χ^2/NDF:33.8/15

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2273.528+/-441.519 χ^2/NDF:10.6/15

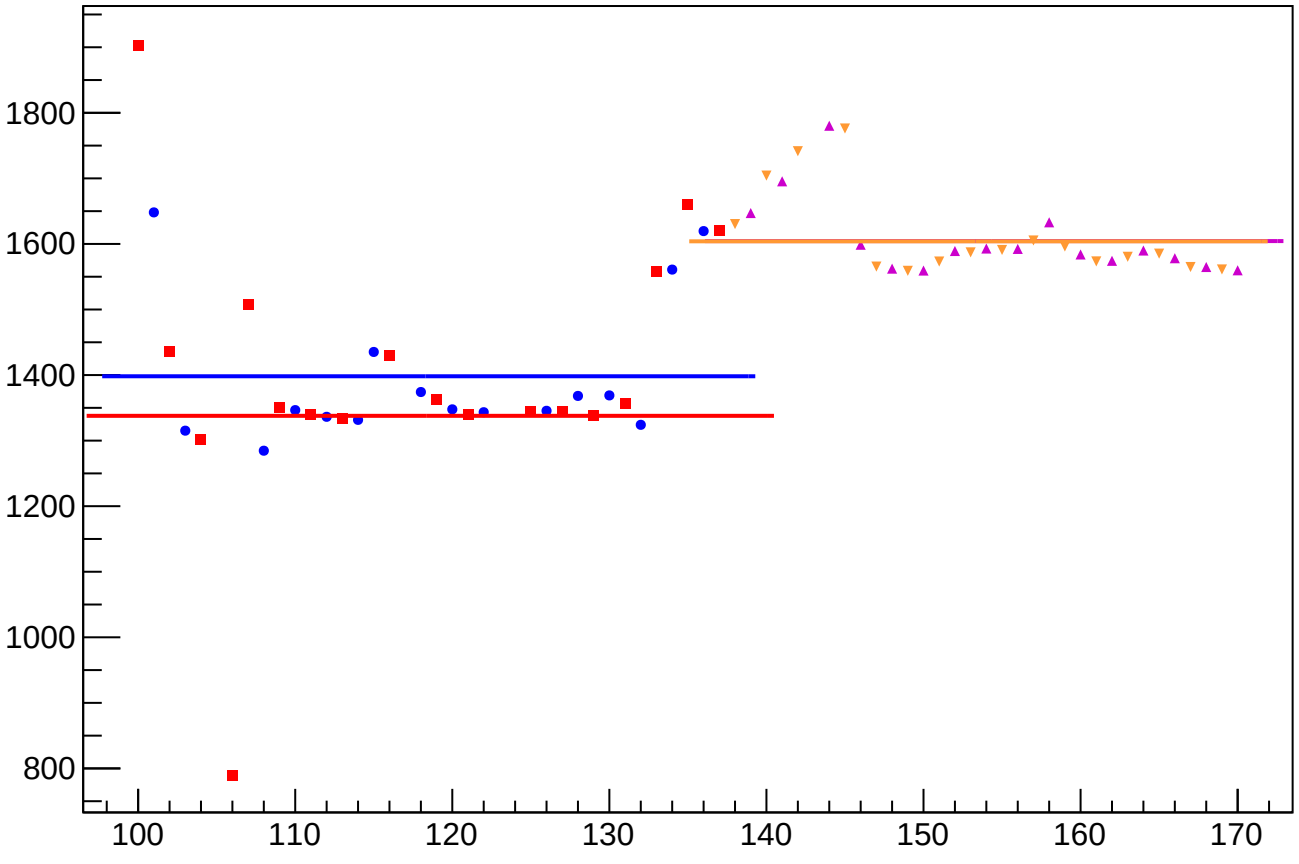
Left: 1621.562+/-315.721 χ^2/NDF: 48.8/31

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2134.891+/-337.152 χ^2/NDF:17.7/31

Out: 1431.972+/-340.869 χ^2/NDF:51.0/33

All: 1787.285+/-239.706 χ^2/NDF: 70.9/65



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1604.003+/-0.319 χ^2/NDF:33771.6/15

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1604.188+/-0.223 χ^2/NDF: 64926.3/31

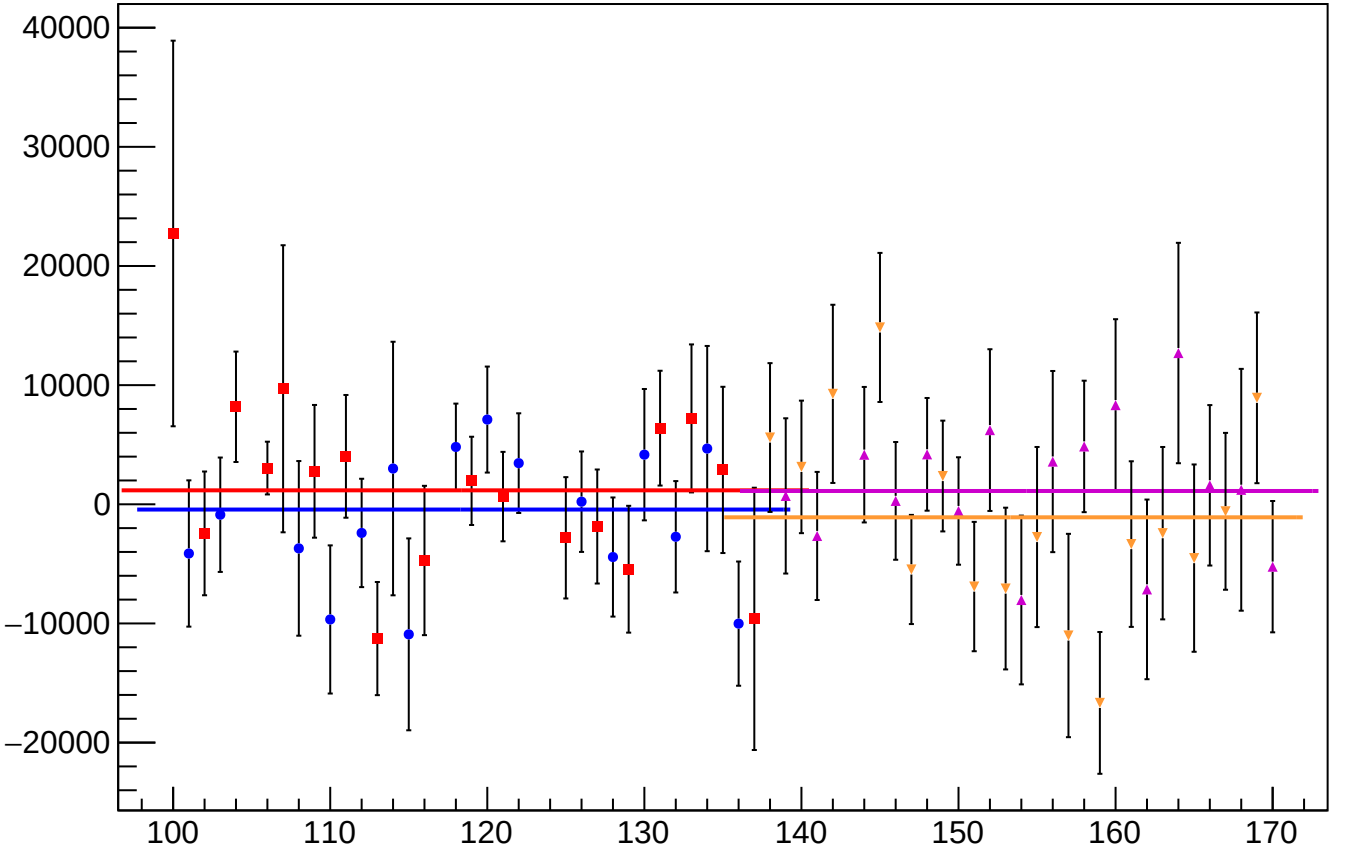
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1518.400+/-0.238 χ^2/NDF:306940.0/31

Out: 1485.275+/-0.238 χ^2/NDF:661398.4/33

All: 1501.788+/-0.168 χ^2/NDF: 978020.4/65

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1092.522+/-1563.598 χ^2/NDF:24.1/15

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1116.601+/-1526.811 χ^2/NDF:9.3/15

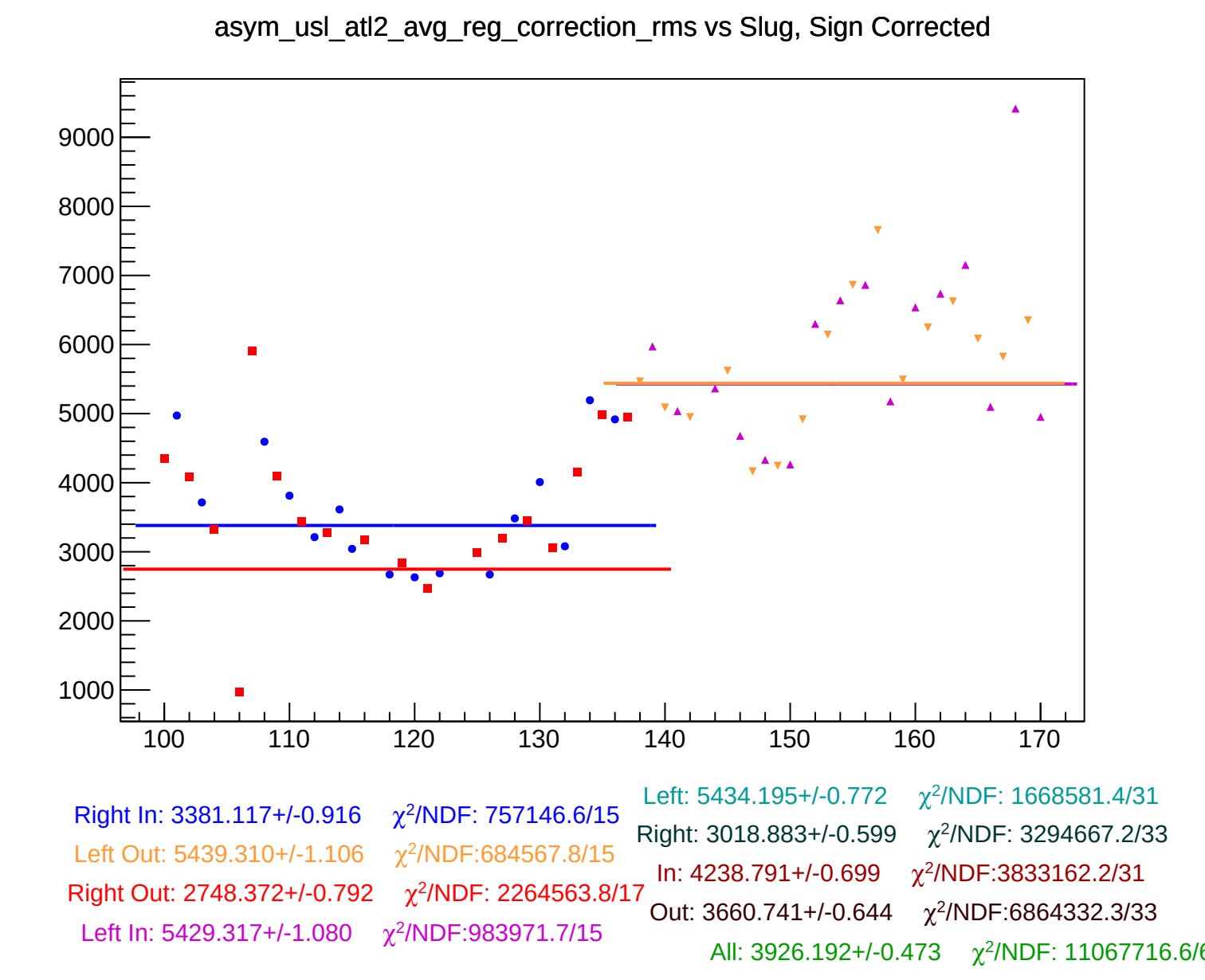
Left: 38.333+/-1092.392 χ^2/NDF: 34.4/31

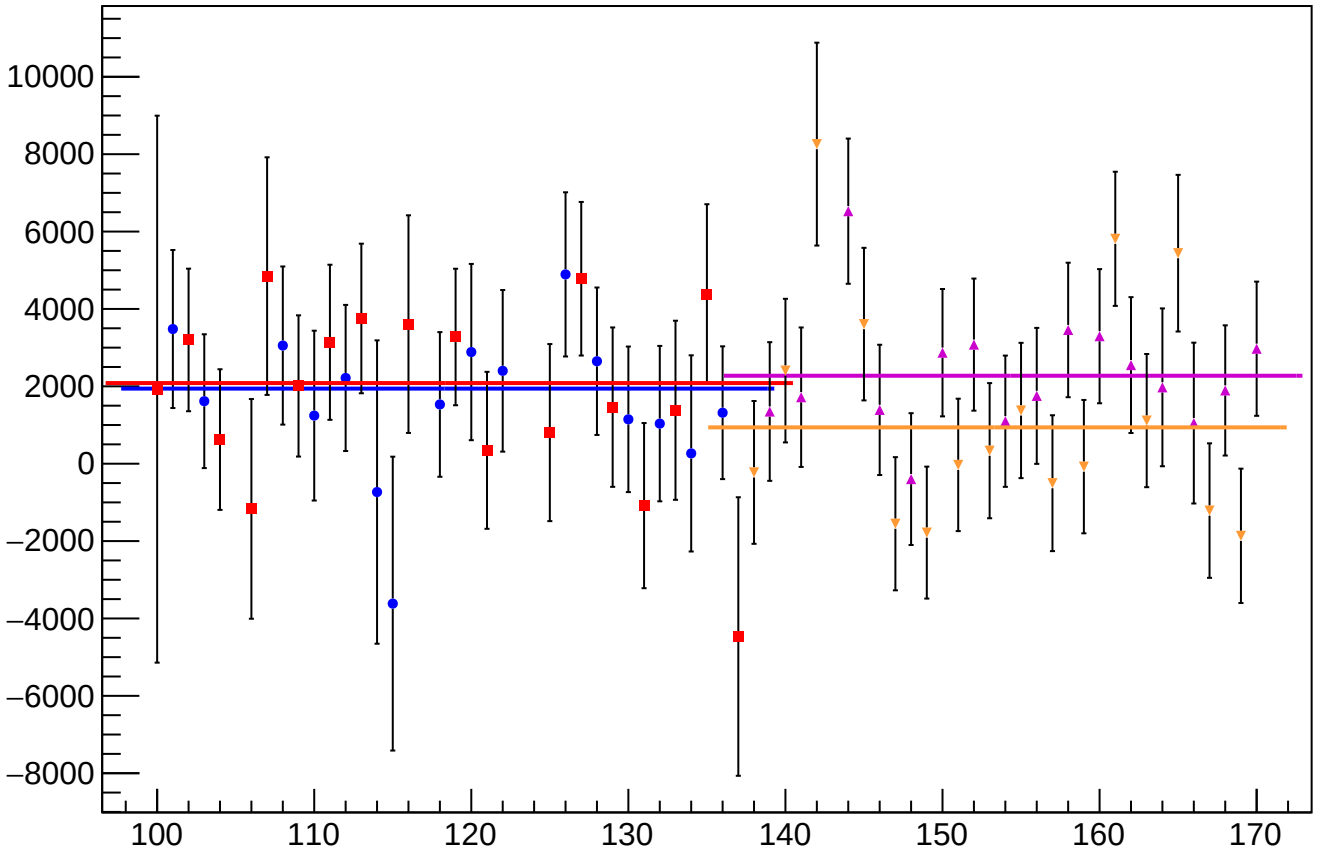
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 211.158+/-988.007 χ^2/NDF:25.8/31

Out: 403.910+/-910.455 χ^2/NDF:45.1/33

All: 315.395+/-669.529 χ^2/NDF: 70.9/65


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: 5439.310+/-1.106 χ²/NDF:684567.8/15
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5429.317+/-1.080 χ²/NDF:983971.7/15
Left: 5434.195+/-0.772 χ²/NDF: 1668581.4/31
Right: 3018.883+/-0.599 χ²/NDF: 3294667.2/33
In: 4238.791+/-0.699 χ²/NDF:3833162.2/31
Out: 3660.741+/-0.644 χ²/NDF:6864332.3/33
All: 3926.192+/-0.473 χ²/NDF: 11067716.6/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 939.356+/-451.647 χ^2/NDF:33.8/15

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2273.641+/-441.519 χ^2/NDF:10.6/15

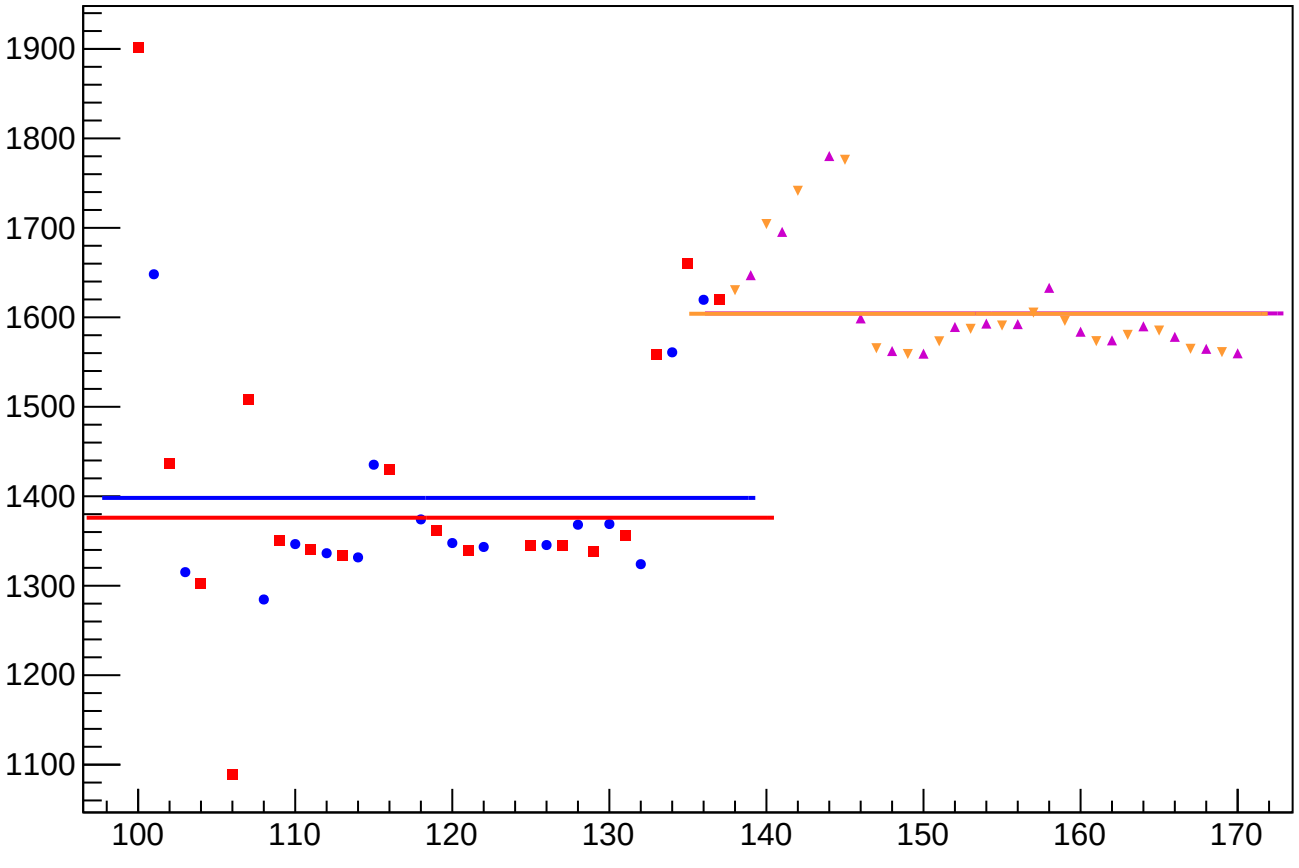
Left: 1621.626+/-315.721 χ^2/NDF: 48.8/31

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2134.980+/-337.152 χ^2/NDF:17.7/31

Out: 1432.069+/-340.870 χ^2/NDF:51.1/33

All: 1787.379+/-239.706 χ^2/NDF: 70.9/65



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1604.003+/-0.319 χ^2/NDF:33771.6/15

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1604.188+/-0.223 χ^2/NDF: 64926.3/31

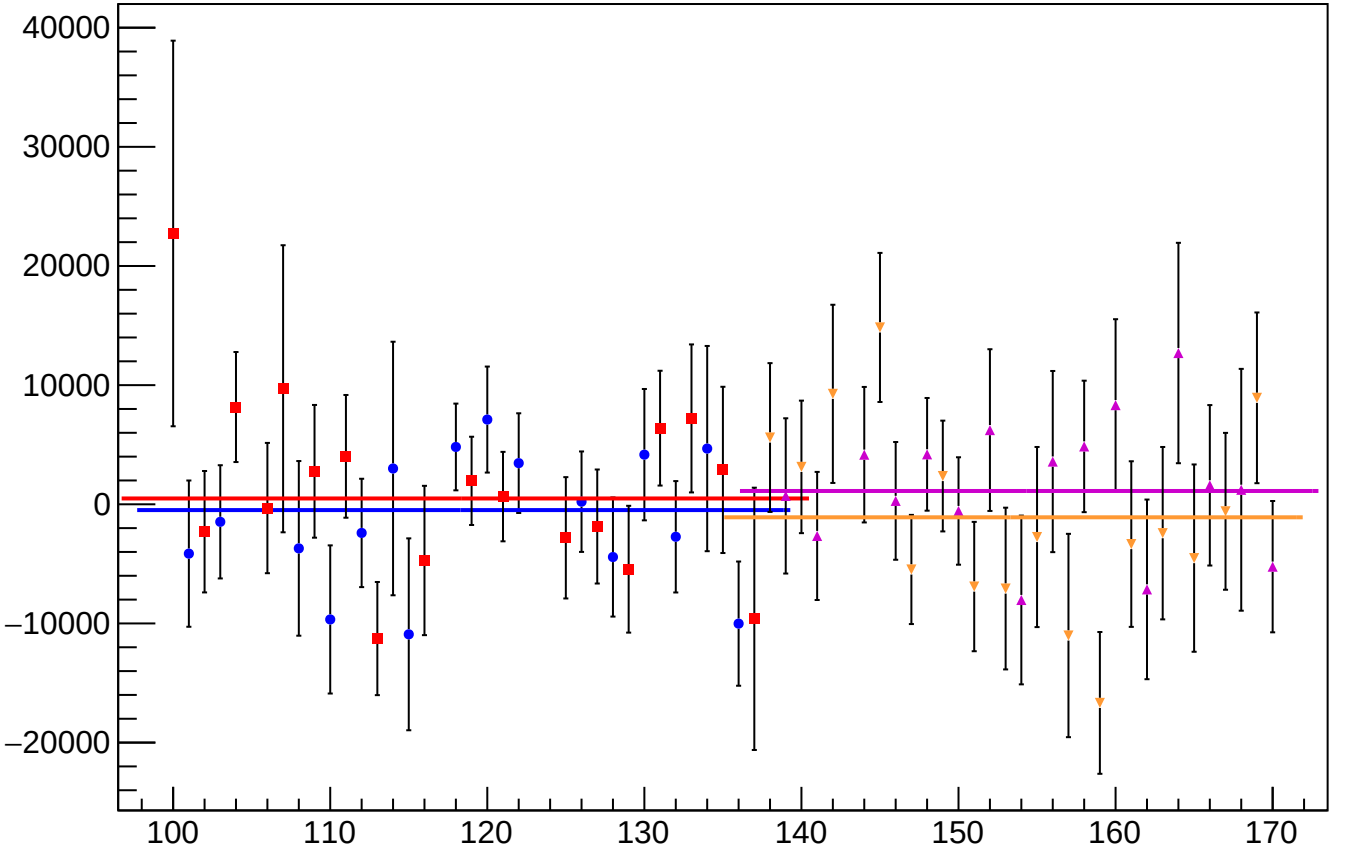
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1518.400+/-0.238 χ^2/NDF:306940.2/31

Out: 1504.384+/-0.240 χ^2/NDF:370482.7/33

All: 1511.428+/-0.169 χ^2/NDF: 679142.2/65

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: -1092.556+/-1563.599 χ^2/NDF:24.1/15

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1116.696+/-1526.809 χ^2/NDF:9.3/15

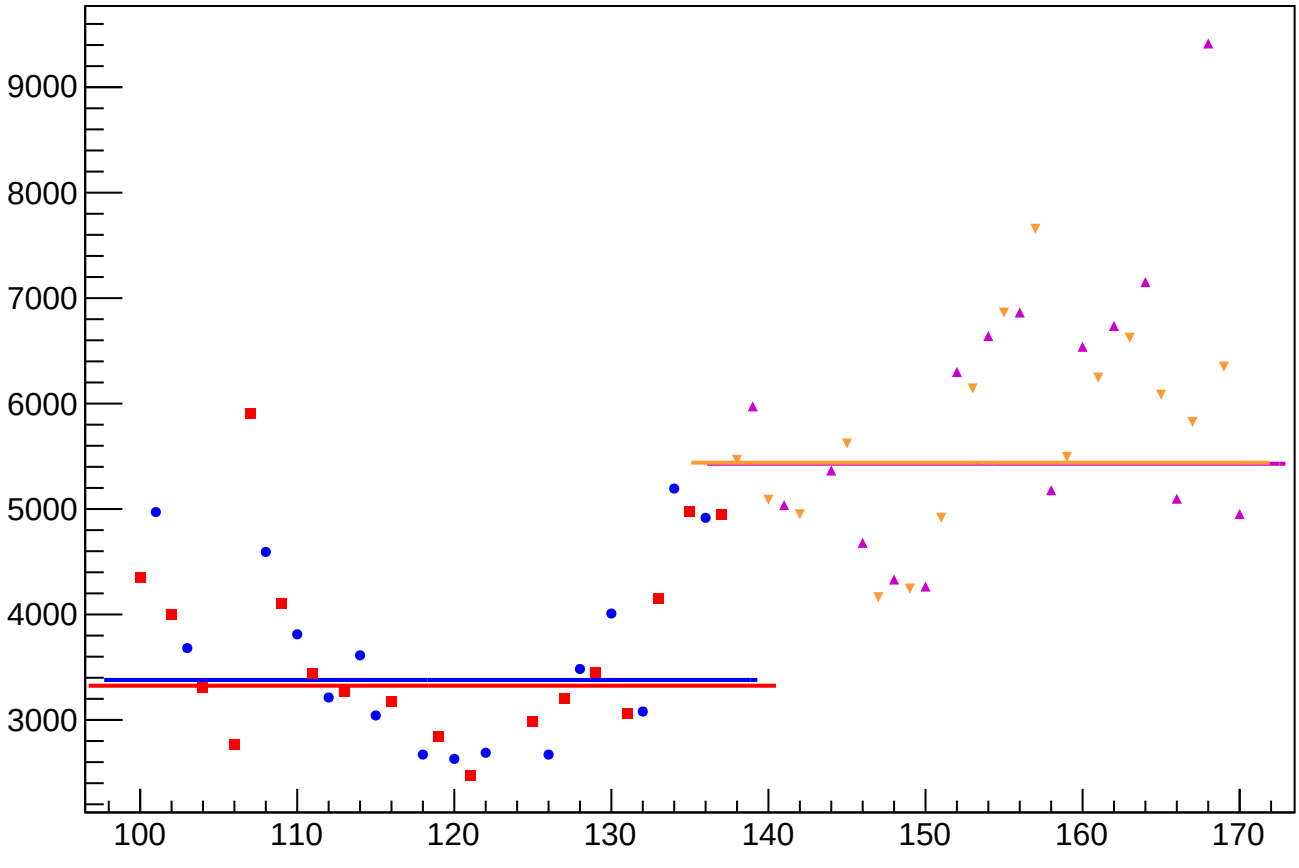
Left: 38.366+/-1092.392 χ^2/NDF: 34.4/31

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 184.201+/-987.570 χ^2/NDF:25.9/31

Out: -134.703+/-981.717 χ^2/NDF:43.4/33

All: 23.801+/-696.239 χ^2/NDF: 69.3/65



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5439.312+/-1.106 χ^2/NDF:684564.6/15

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5429.311+/-1.080 χ^2/NDF:983982.1/15

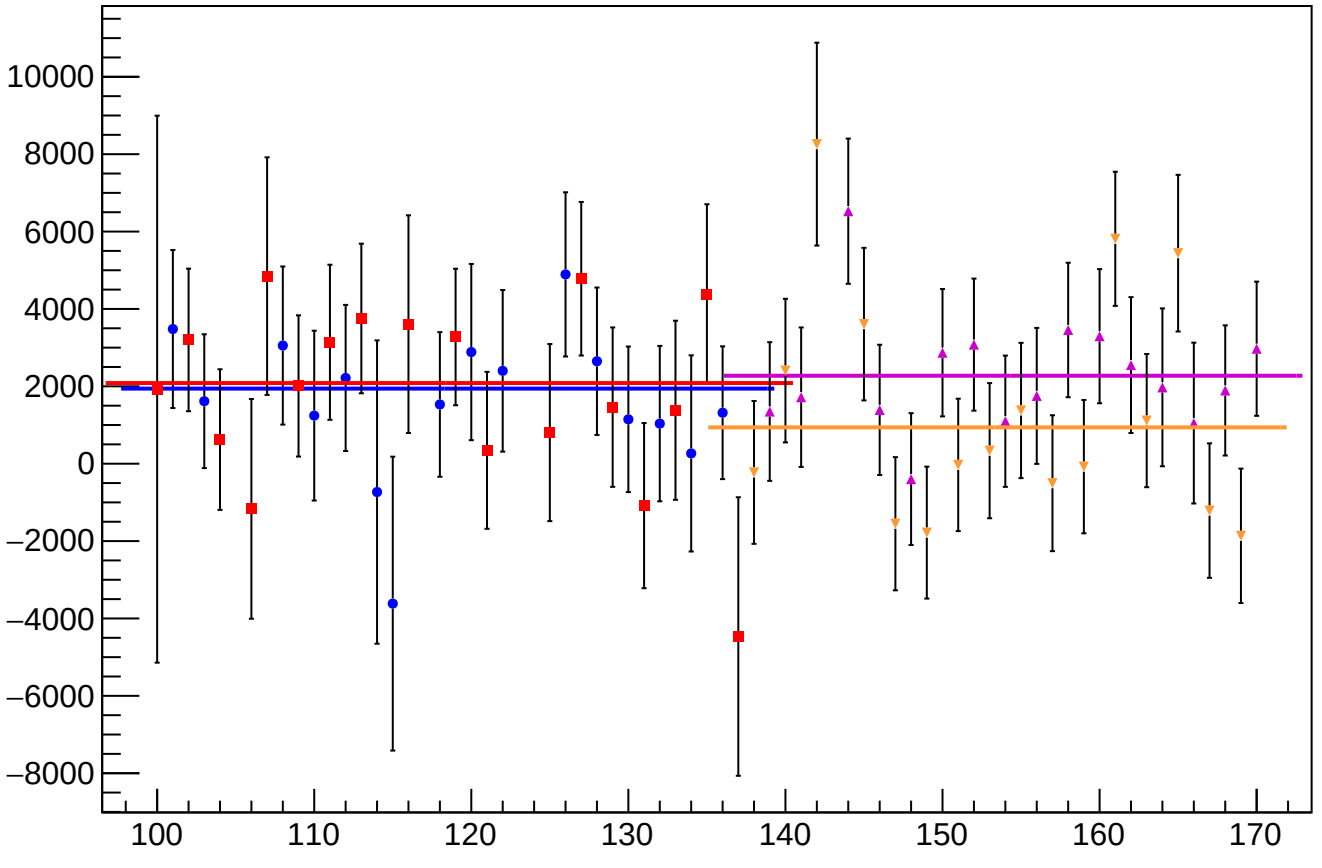
Left: 5434.193+/-0.772 χ^2/NDF: 1668588.6/31

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4236.864+/-0.698 χ^2/NDF:3836793.8/31

Out: 4158.139+/-0.694 χ^2/NDF:3444885.9/33

All: 4197.267+/-0.492 χ^2/NDF: 7288072.0/65



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 939.356+/-451.647 χ^2/NDF:33.8/15

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2273.641+/-441.519 χ^2/NDF:10.6/15

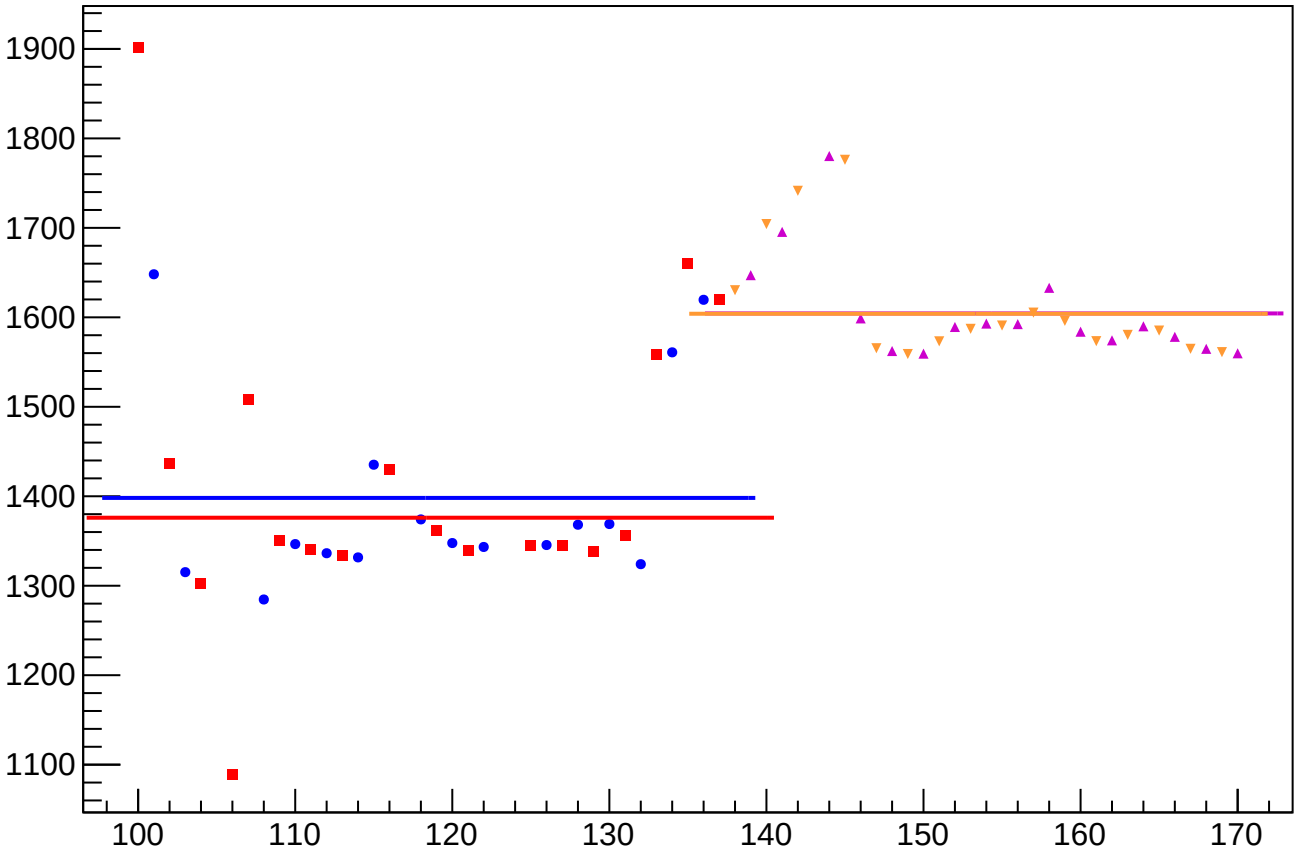
Left: 1621.626+/-315.721 χ^2/NDF: 48.8/31

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2134.980+/-337.152 χ^2/NDF:17.7/31

Out: 1432.069+/-340.870 χ^2/NDF:51.1/33

All: 1787.379+/-239.706 χ^2/NDF: 70.9/65



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1604.003+/-0.319 χ^2/NDF:33771.6/15

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1604.188+/-0.223 χ^2/NDF: 64926.3/31

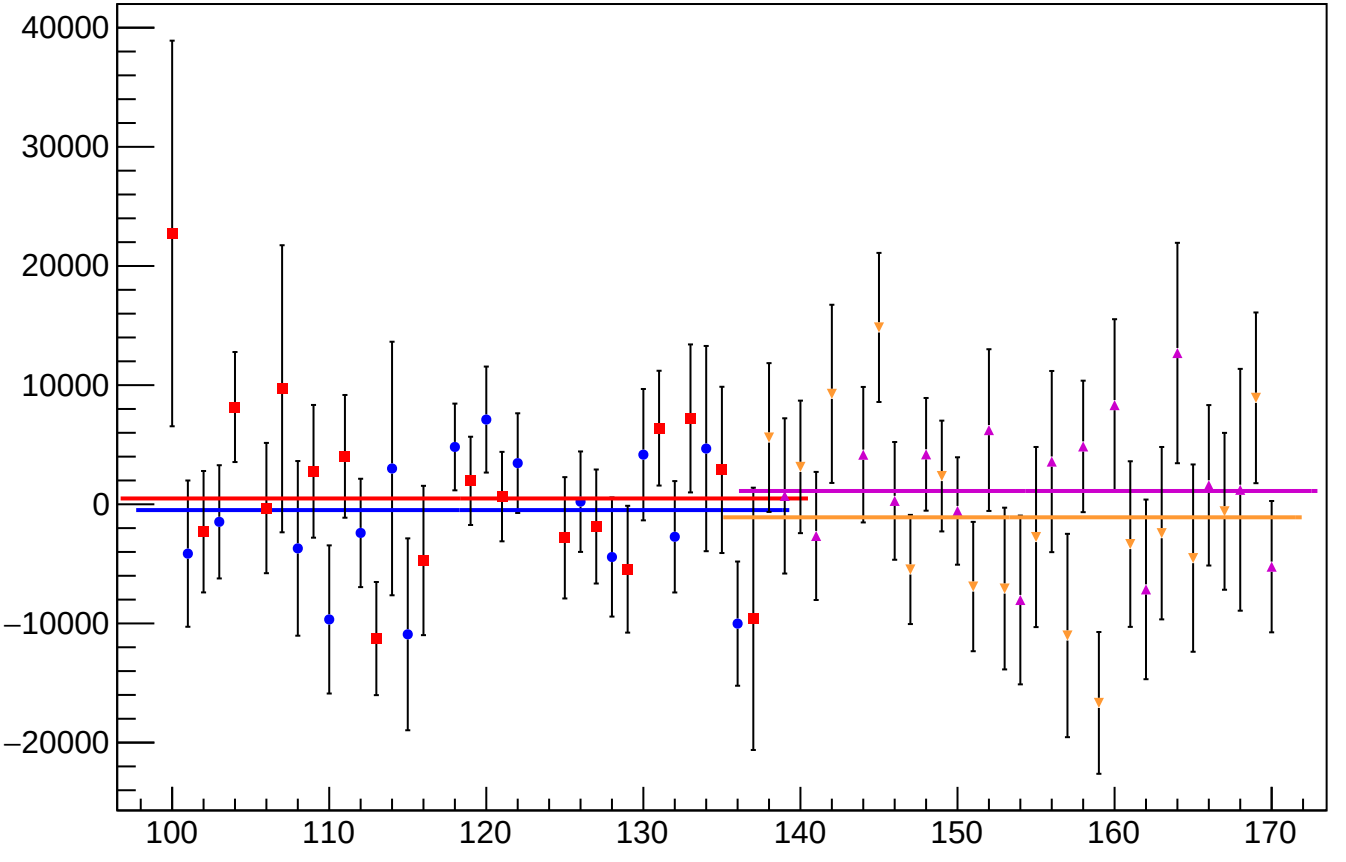
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1518.400+/-0.238 χ^2/NDF:306940.2/31

Out: 1504.384+/-0.240 χ^2/NDF:370482.7/33

All: 1511.428+/-0.169 χ^2/NDF: 679142.2/65

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: -1092.556+/-1563.599 χ^2/NDF:24.1/15

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1116.696+/-1526.809 χ^2/NDF:9.3/15

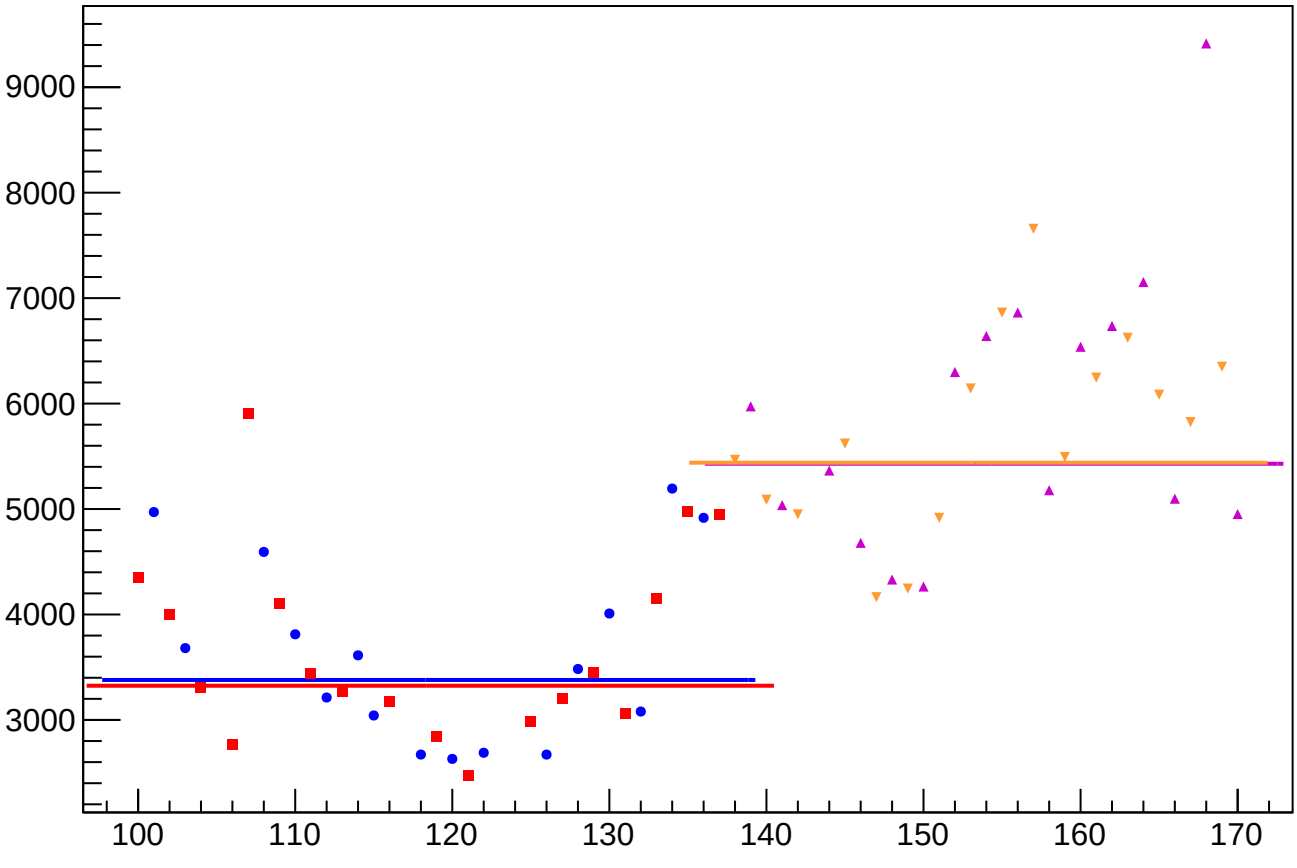
Left: 38.366+/-1092.392 χ^2/NDF: 34.4/31

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 184.201+/-987.570 χ^2/NDF:25.9/31

Out: -134.703+/-981.717 χ^2/NDF:43.4/33

All: 23.801+/-696.239 χ^2/NDF: 69.3/65



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5439.312+/-1.106 χ^2/NDF:684564.6/15

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5429.311+/-1.080 χ^2/NDF:983982.1/15

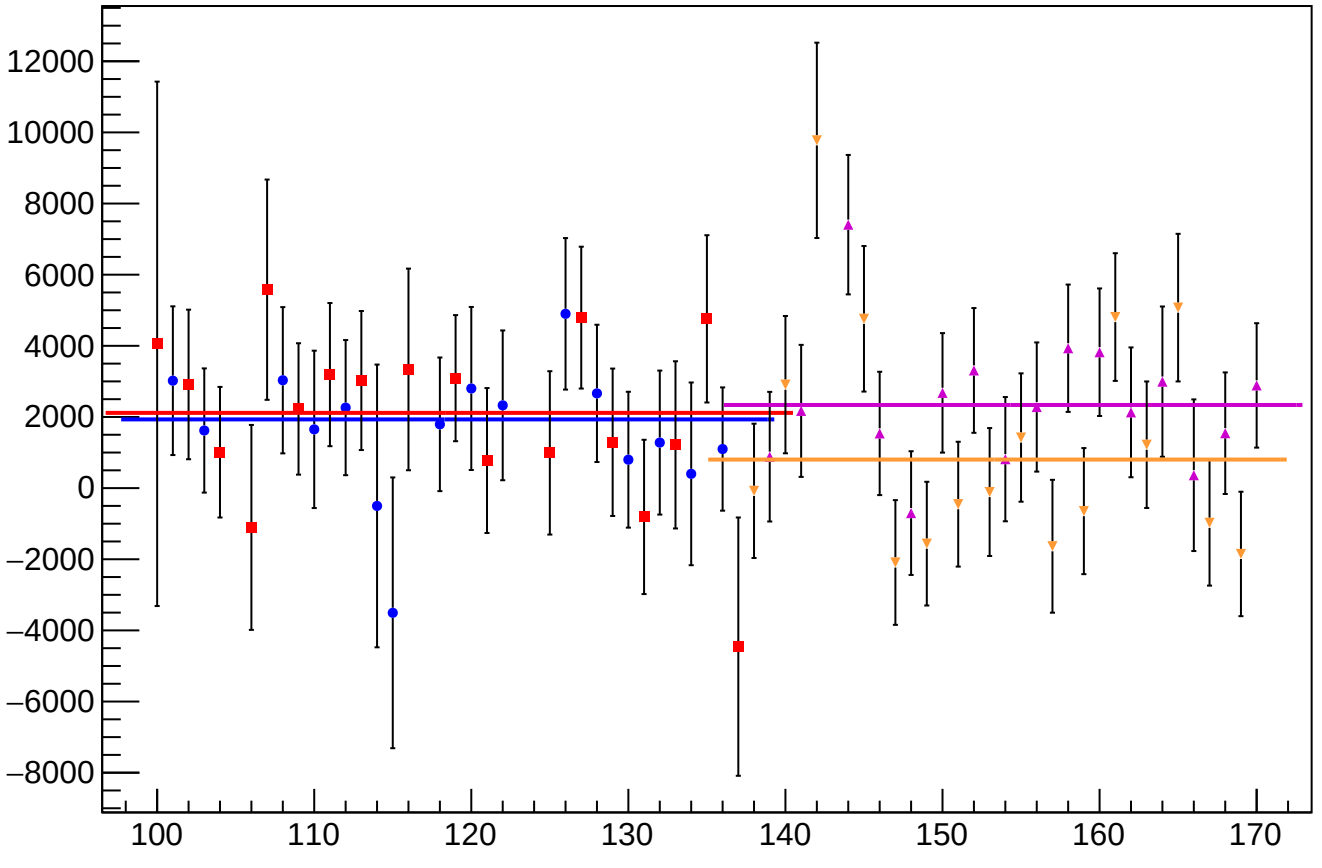
Left: 5434.193+/-0.772 χ^2/NDF: 1668588.6/31

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4236.864+/-0.698 χ^2/NDF:3836793.8/31

Out: 4158.139+/-0.694 χ^2/NDF:3444885.9/33

All: 4197.267+/-0.492 χ^2/NDF: 7288072.0/65



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 803.112+/-464.778 χ^2/NDF:36.2/15

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2337.139+/-453.463 χ^2/NDF:14.5/15

Left: 1589.026+/-324.573 χ^2/NDF: 56.3/31

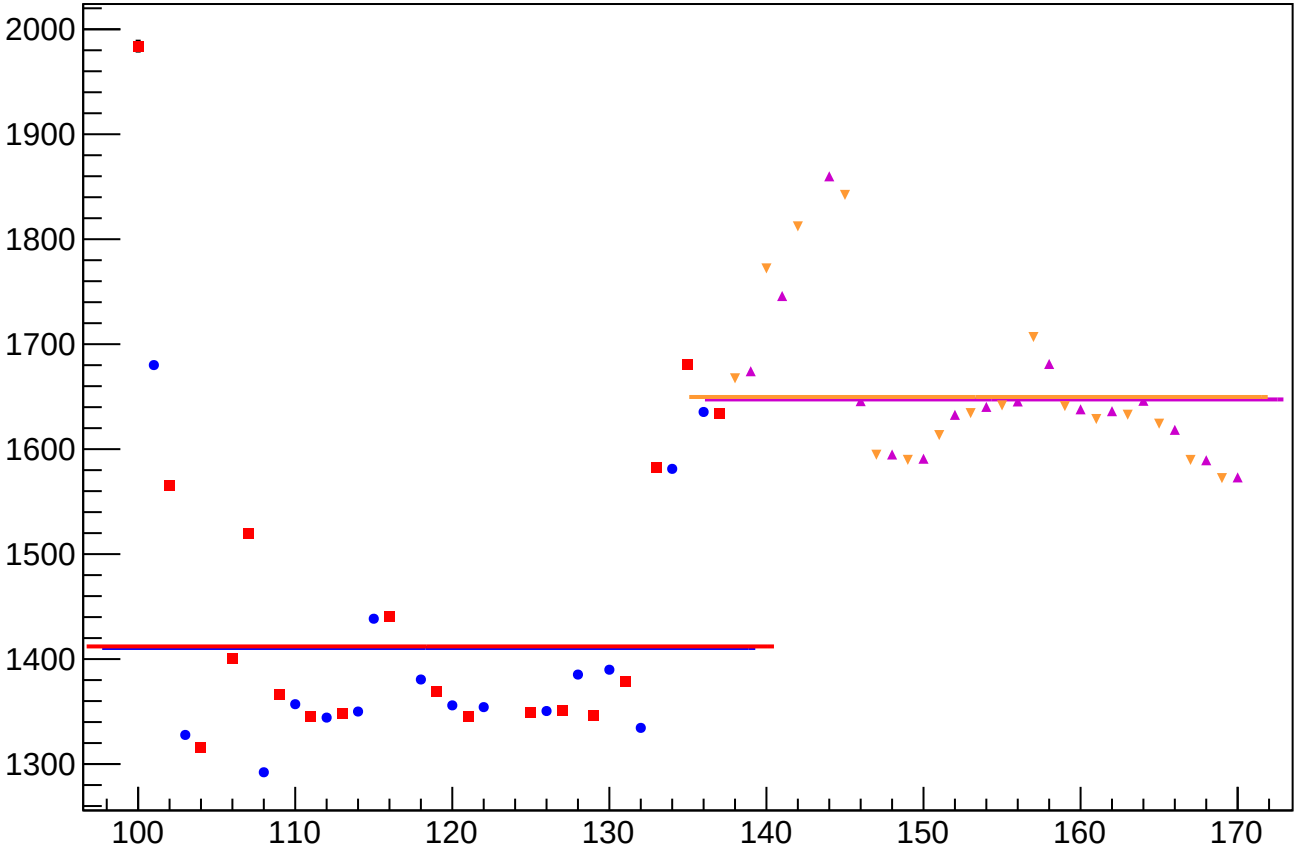
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2164.640+/-343.768 χ^2/NDF:21.2/31

Out: 1374.955+/-349.101 χ^2/NDF:52.9/33

All: 1775.875+/-244.945 χ^2/NDF: 76.7/65

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1649.693+/-0.329 χ^2/NDF:47217.8/15

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1647.355+/-0.321 χ^2/NDF:40959.6/15

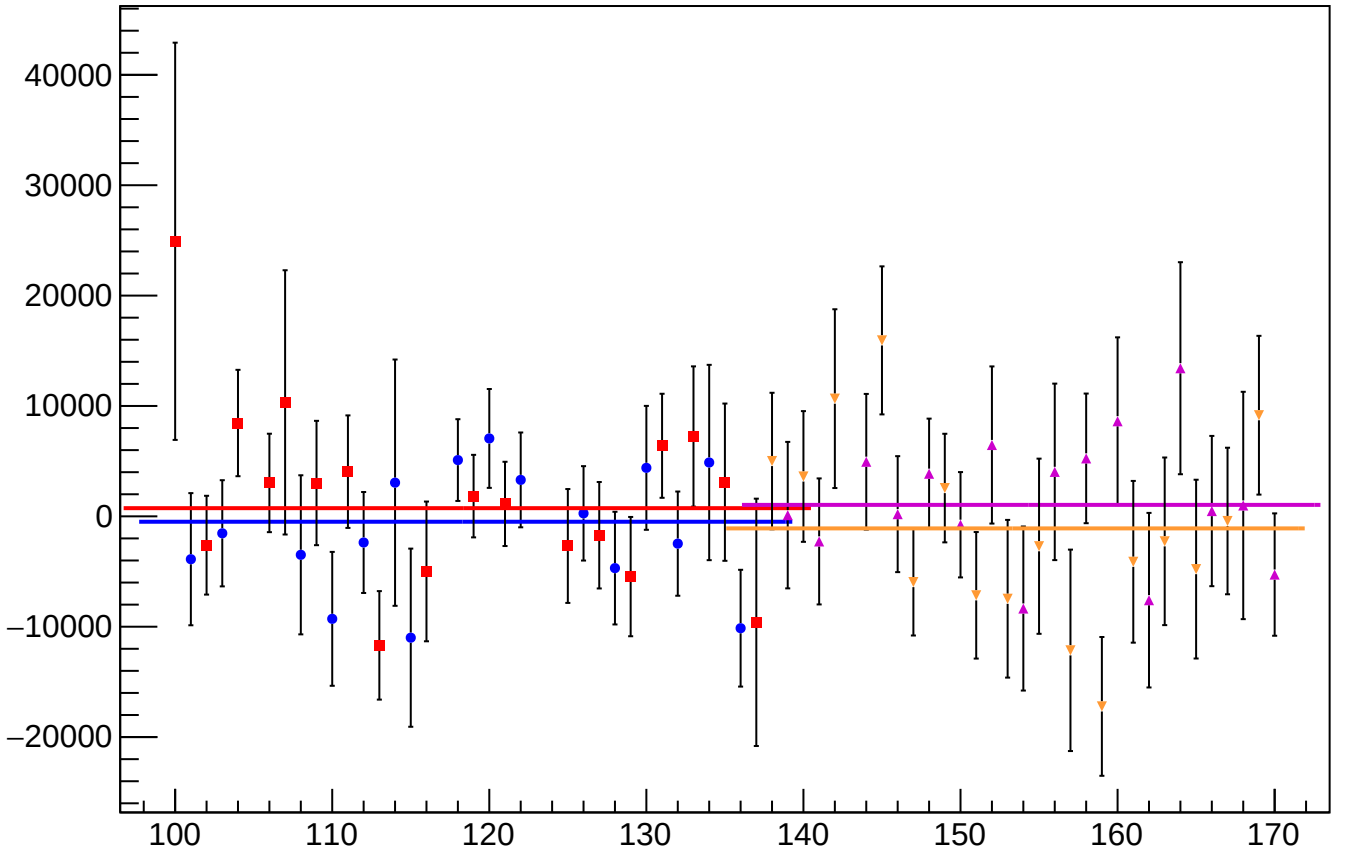
Left: 1648.495+/-0.230 χ^2/NDF: 88203.3/31

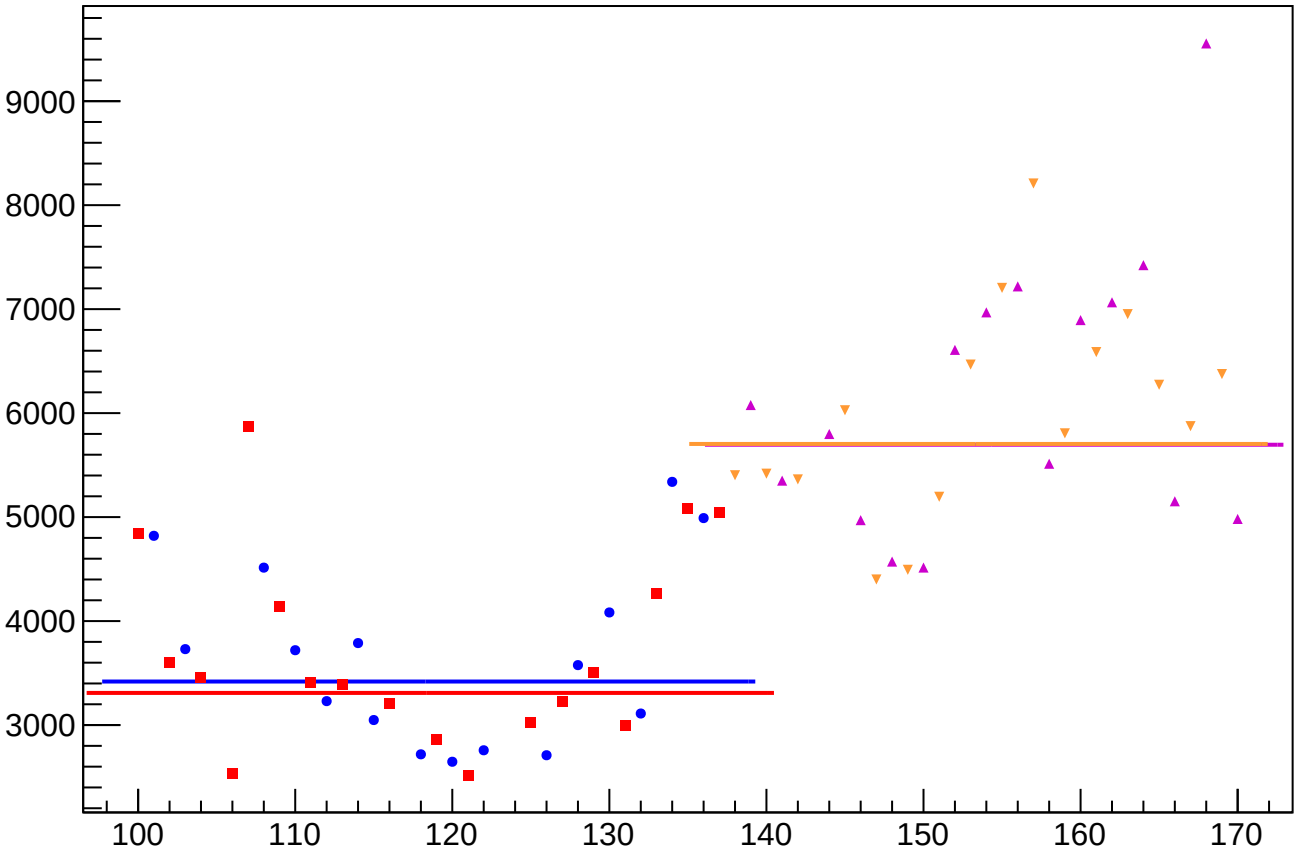
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1546.663+/-0.243 χ^2/NDF:371981.7/31

Out: 1545.808+/-0.247 χ^2/NDF:365492.2/33

All: 1546.242+/-0.173 χ^2/NDF: 737480.0/65


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -1092.428+/-1638.268 χ²/NDF:24.2/15
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 1038.036+/-1600.653 χ²/NDF:9.2/15
Left: -2.457+/-1144.900 χ²/NDF: 34.3/31
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: 122.562+/-1013.161 χ²/NDF:25.6/31
Out: 67.520+/-992.732 χ²/NDF:44.2/33
All: 94.481+/-709.080 χ²/NDF: 69.8/65



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5703.467+/-1.158 χ^2/NDF:656809.4/15

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5695.871+/-1.132 χ^2/NDF:943696.5/15

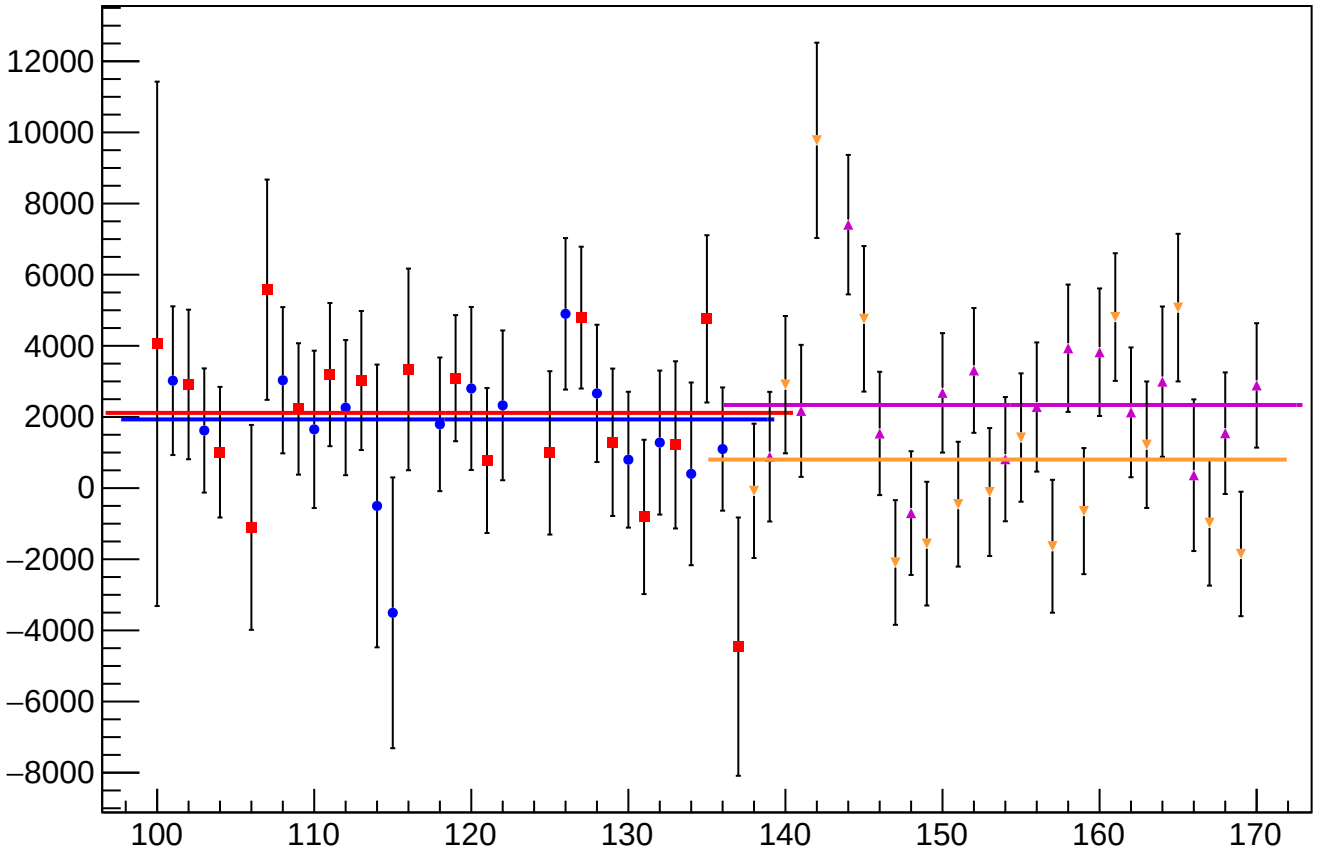
Left: 5699.581+/-0.810 χ^2/NDF: 1600527.9/31

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4331.043+/-0.716 χ^2/NDF:4091012.7/31

Out: 4188.302+/-0.702 χ^2/NDF:3932139.4/33

All: 4258.219+/-0.501 χ^2/NDF: 8043405.6/65



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 803.105+/-464.779 χ^2/NDF:36.2/15

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2337.141+/-453.463 χ^2/NDF:14.5/15

Left: 1589.023+/-324.574 χ^2/NDF: 56.3/31

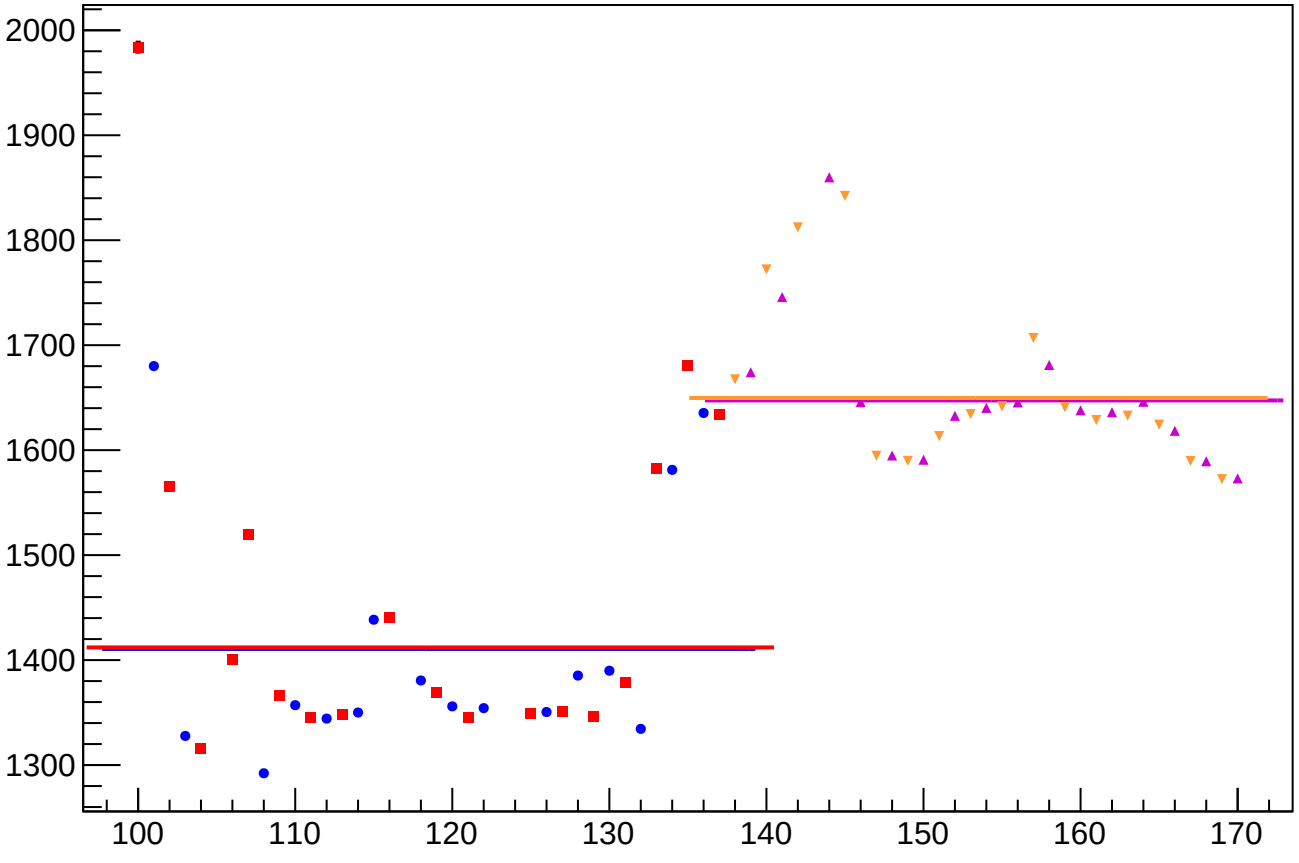
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2164.641+/-343.768 χ^2/NDF:21.2/31

Out: 1374.952+/-349.101 χ^2/NDF:52.9/33

All: 1775.874+/-244.945 χ^2/NDF: 76.7/65

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1649.694+/-0.329 χ^2/NDF:47218.7/15

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1647.356+/-0.321 χ^2/NDF:40960.2/15

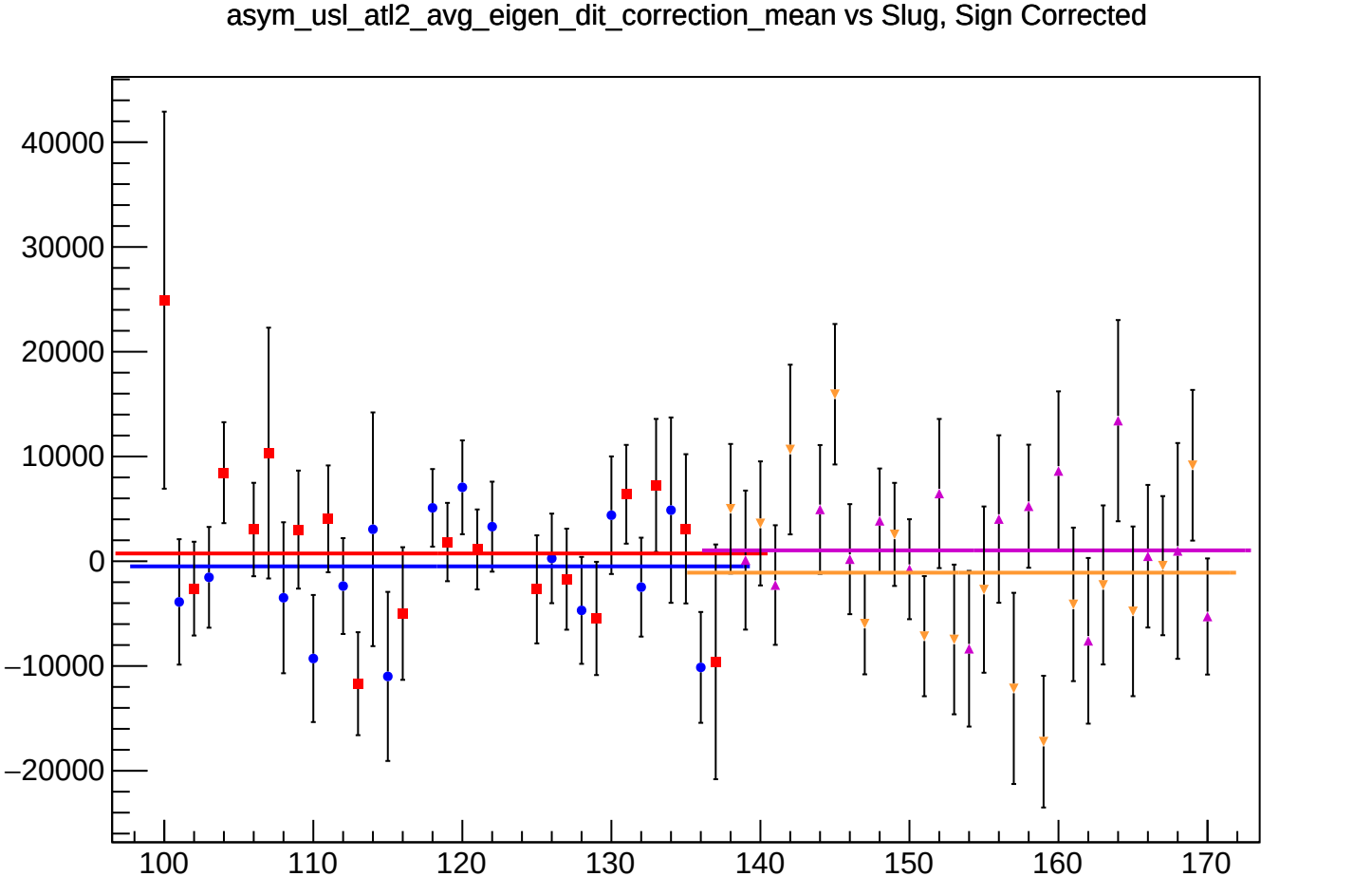
Left: 1648.496+/-0.230 χ^2/NDF: 88204.8/31

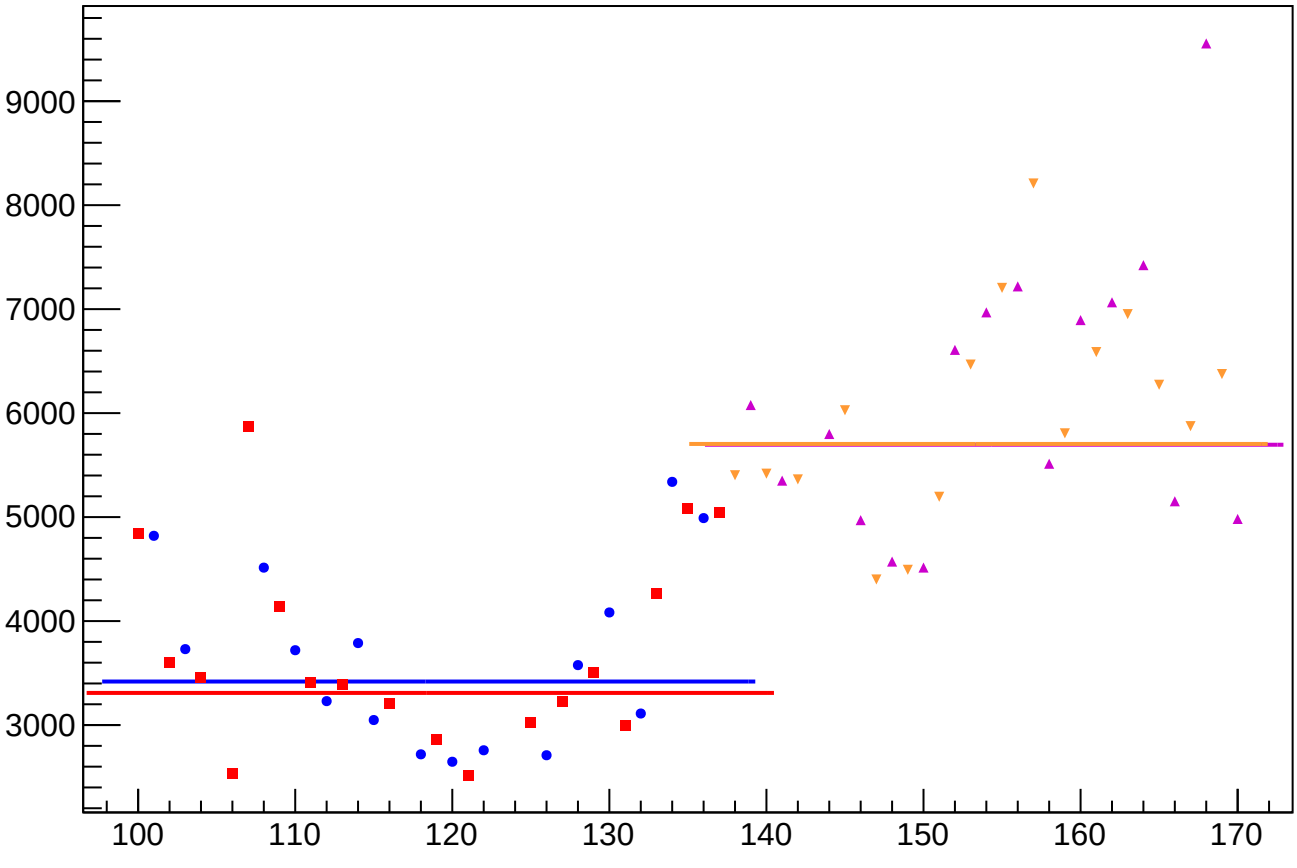
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1546.664+/-0.243 χ^2/NDF:371984.4/31

Out: 1545.809+/-0.247 χ^2/NDF:365495.9/33

All: 1546.242+/-0.173 χ^2/NDF: 737486.4/65


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -1092.435+/-1638.270 χ²/NDF:24.2/15
Right Out: 740.594+/-1247.944 χ²/NDF: 19.2/17
Left In: 1038.036+/-1600.655 χ²/NDF:9.2/15
Left: -2.461+/-1144.901 χ²/NDF: 34.3/31
Right: 154.807+/-903.141 χ²/NDF: 35.5/33
In: 122.563+/-1013.160 χ²/NDF:25.6/31
Out: 67.523+/-992.731 χ²/NDF:44.2/33
All: 94.483+/-709.079 χ²/NDF: 69.8/65



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5703.474+/-1.158 χ^2/NDF:656812.0/15

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5695.878+/-1.132 χ^2/NDF:943699.5/15

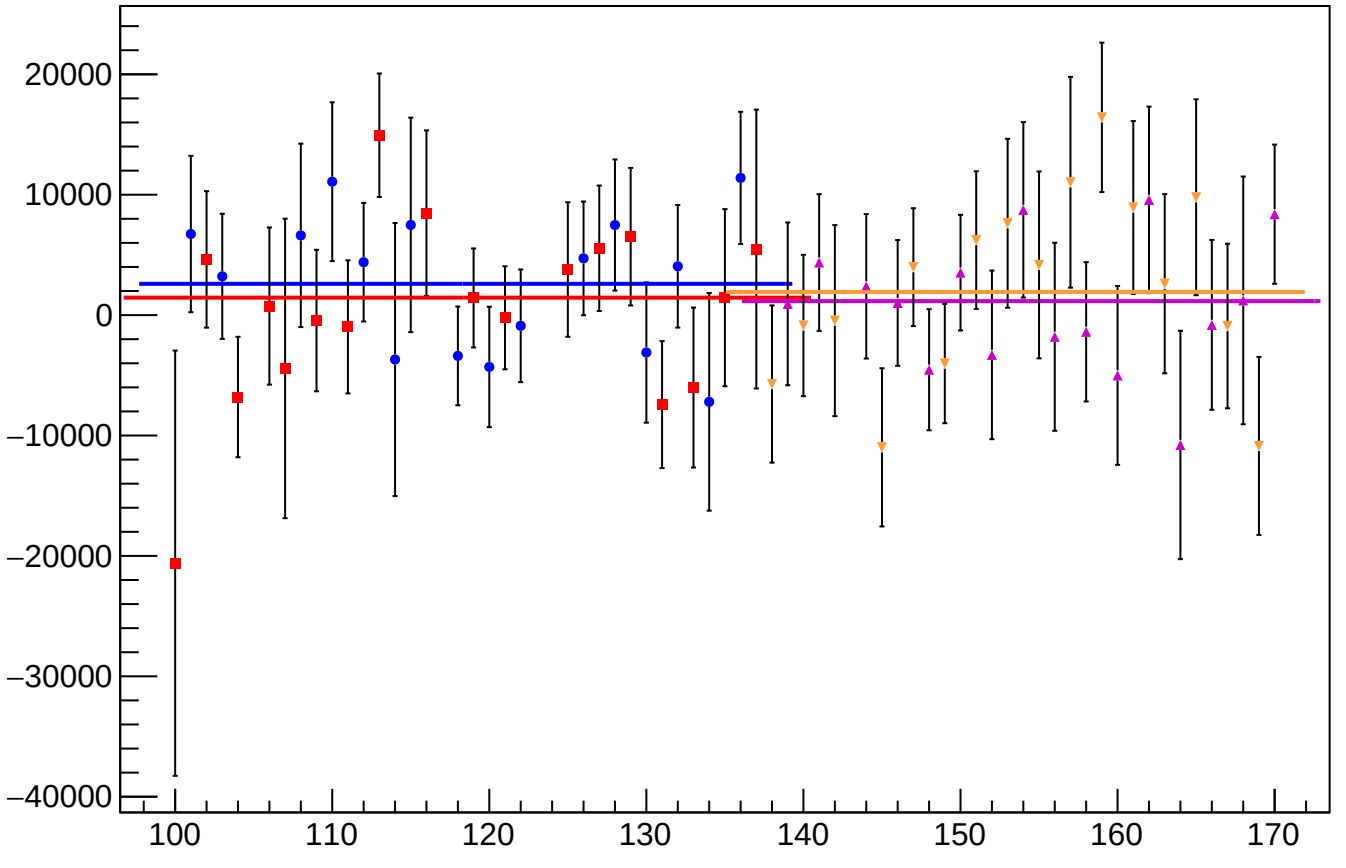
Left: 5699.588+/-0.810 χ^2/NDF: 1600533.5/31

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4331.035+/-0.716 χ^2/NDF:4091064.4/31

Out: 4188.294+/-0.702 χ^2/NDF:3932185.8/33

All: 4258.211+/-0.501 χ^2/NDF: 8043503.6/65



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1924.628+/-1637.667 χ^2/NDF:20.1/15

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1162.461+/-1599.037 χ^2/NDF:8.8/15

Left: 1534.449+/-1144.103 χ^2/NDF: 29.0/31

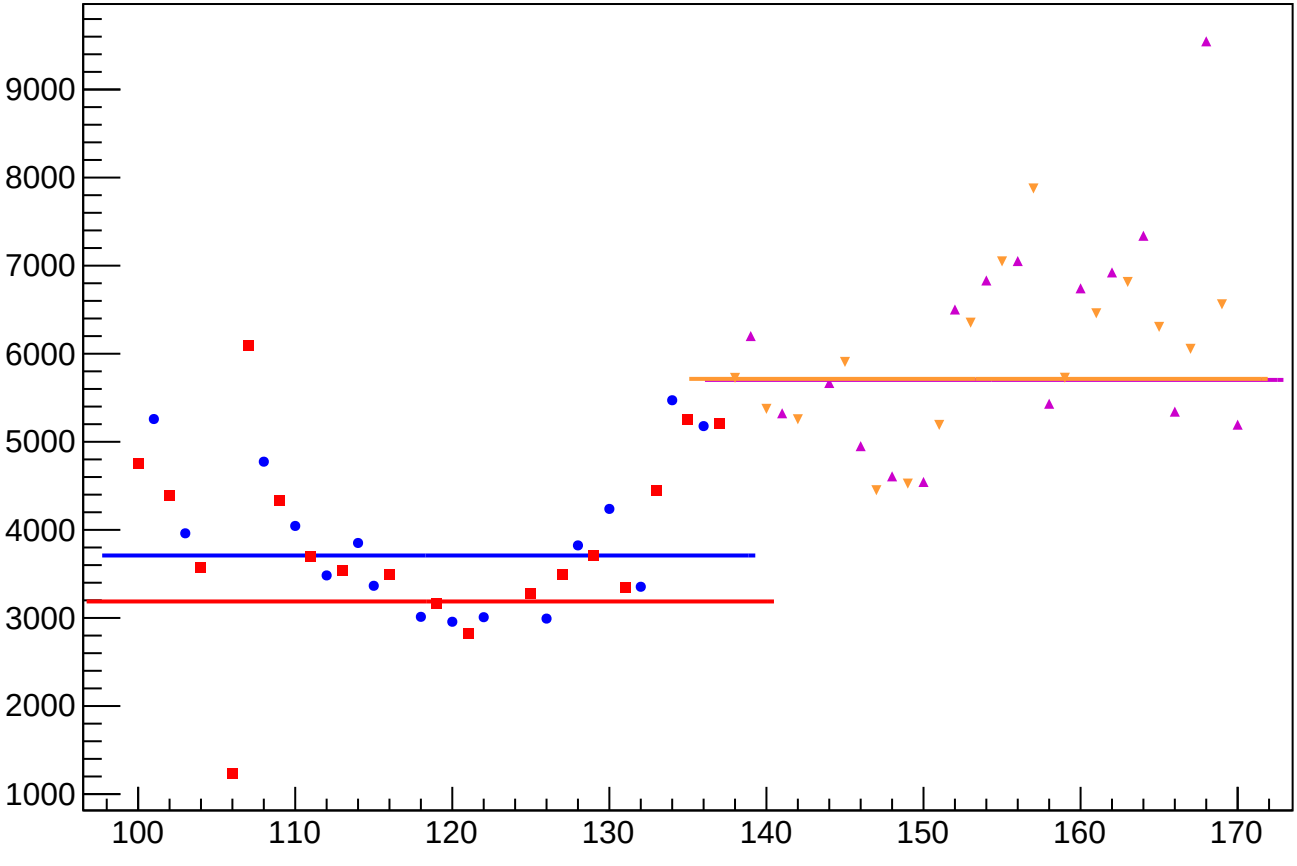
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1968.719+/-1059.466 χ^2/NDF:22.7/31

Out: 1647.795+/-1056.546 χ^2/NDF:39.2/33

All: 1807.814+/-748.121 χ^2/NDF: 62.0/65

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5714.416+/-1.158 χ^2/NDF:585088.3/15

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5702.727+/-1.131 χ^2/NDF:858985.0/15

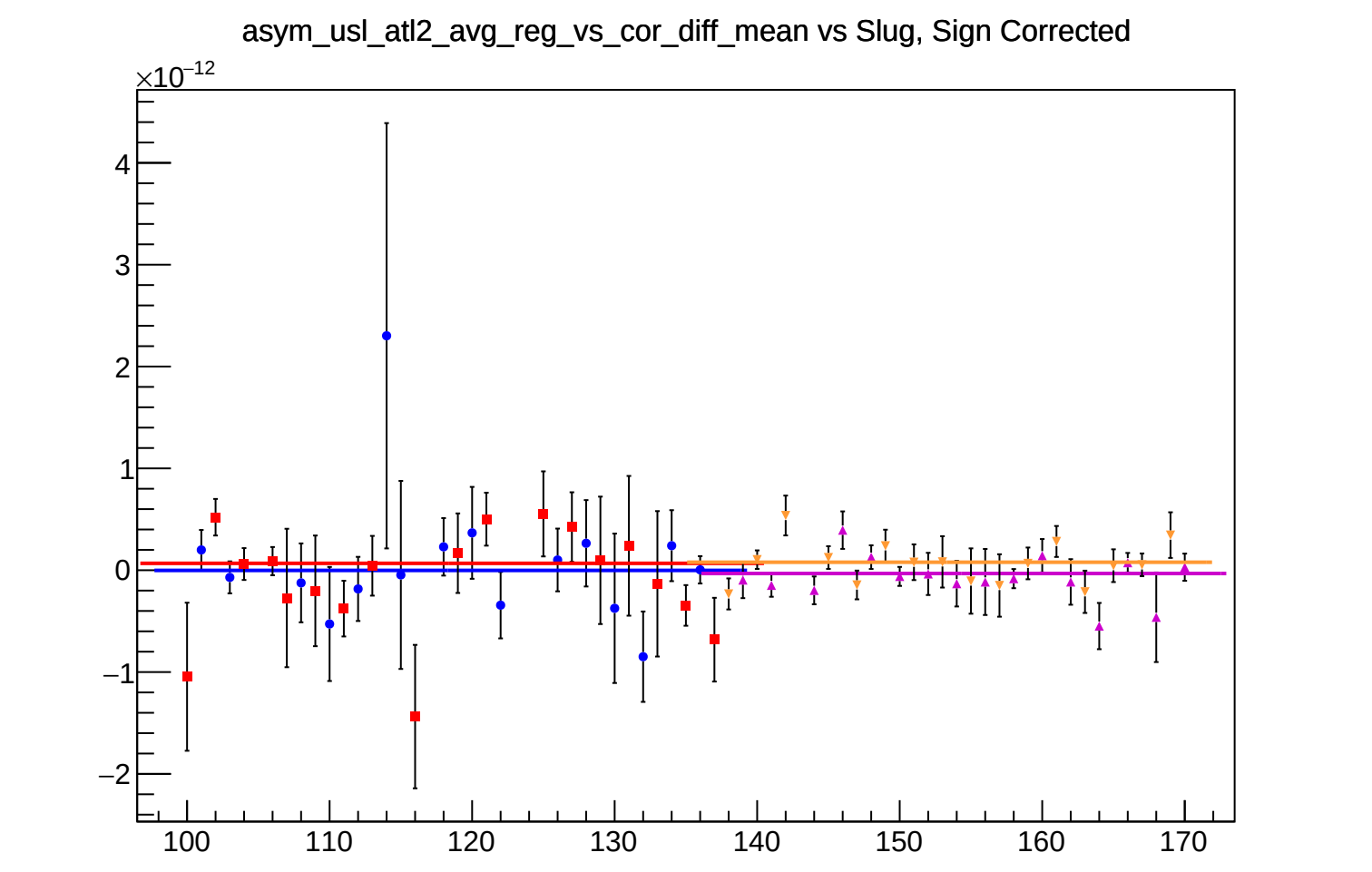
Left: 5708.432+/-0.809 χ^2/NDF: 1444125.4/31

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4584.315+/-0.749 χ^2/NDF:3213623.3/31

Out: 4133.024+/-0.708 χ^2/NDF:5176223.8/33

All: 4346.070+/-0.515 χ^2/NDF: 8581422.4/65



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.4/15

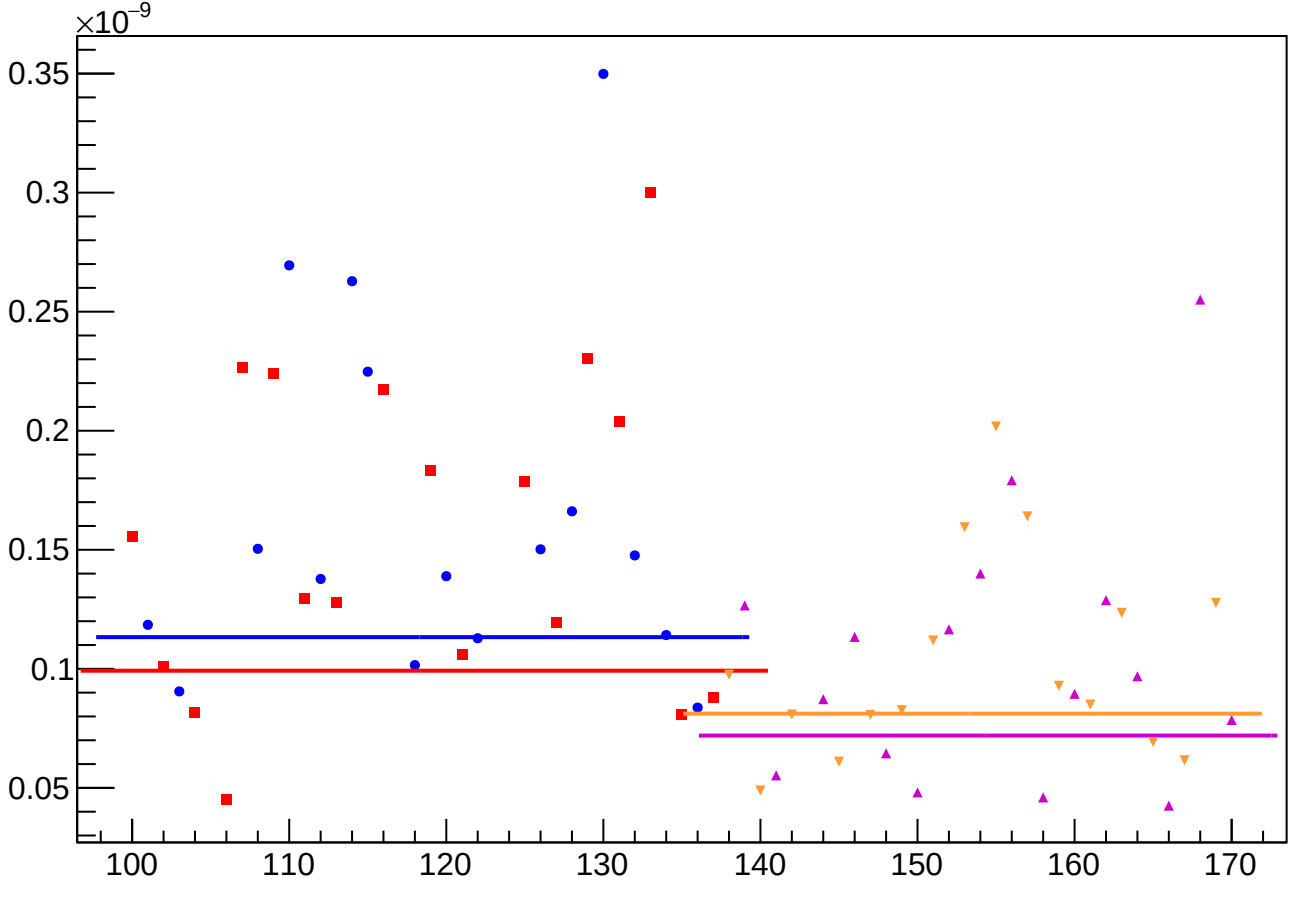
Left: 0.000+/-0.000 χ^2/NDF: 43.5/31

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:30.7/31

Out: 0.000+/-0.000 χ^2/NDF:49.1/33

All: 0.000+/-0.000 χ^2/NDF: 84.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1278880.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1864810.3/15

Left: 0.000+/-0.000 χ^2/NDF: 3205610.6/31

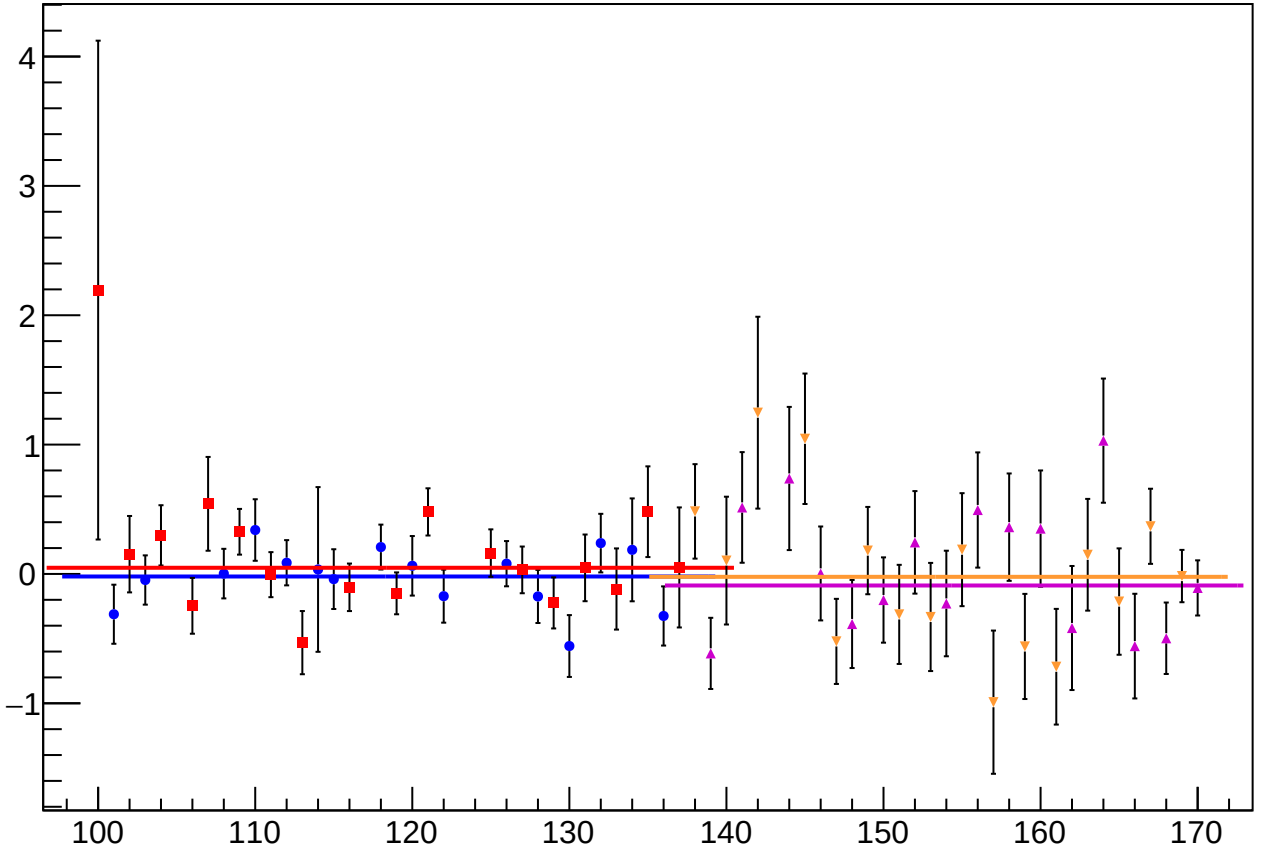
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3070379.3/31

Out: 0.000+/-0.000 χ^2/NDF:2492165.6/33

All: 0.000+/-0.000 χ^2/NDF: 5590830.1/65

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: -0.022+/-0.093 χ^2/NDF:22.8/15

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.089+/-0.089 χ^2/NDF:22.9/15

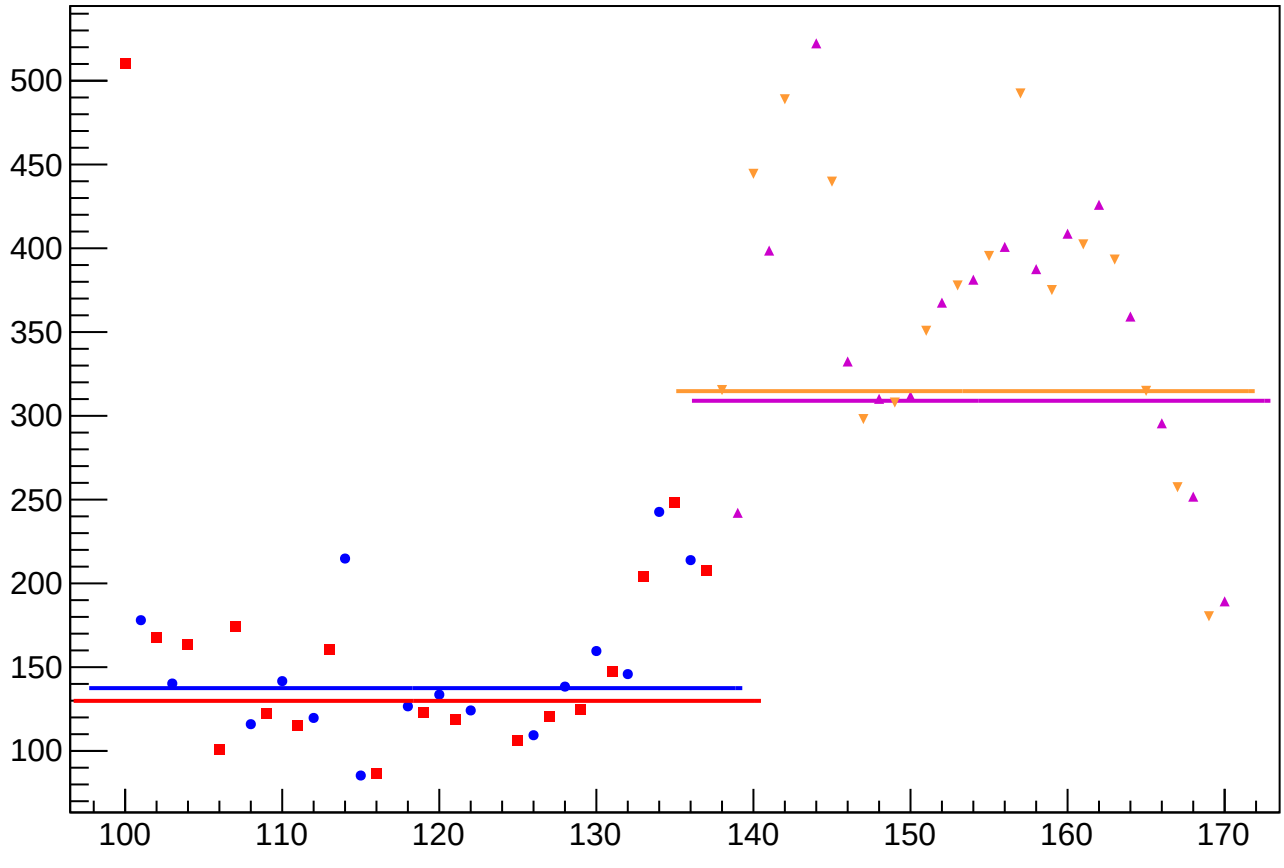
Left: -0.057+/-0.064 χ^2/NDF: 46.0/31

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.031+/-0.046 χ^2/NDF:49.5/33

All: -0.003+/-0.033 χ^2/NDF: 90.1/65



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.742+/-0.066 χ^2/NDF:1862101.2/15

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 308.986+/-0.063 χ^2/NDF:1732611.5/15

Left: 311.740+/-0.046 χ^2/NDF: 3598688.7/31

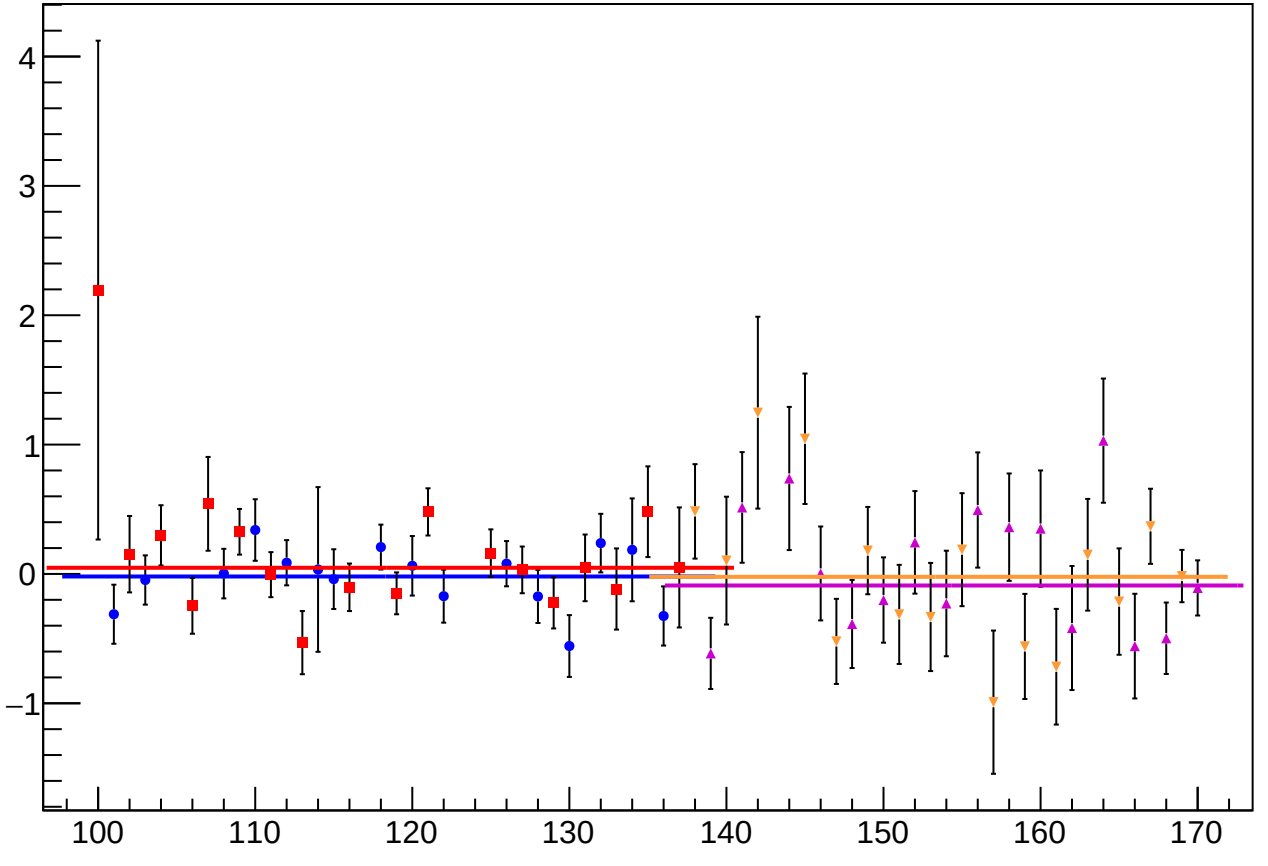
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 183.677+/-0.033 χ^2/NDF:7816706.6/31

Out: 174.380+/-0.032 χ^2/NDF:8665439.9/33

All: 178.969+/-0.023 χ^2/NDF: 16522919.7/65

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: -0.022+/-0.093 χ^2/NDF:22.8/15

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.089+/-0.089 χ^2/NDF:22.9/15

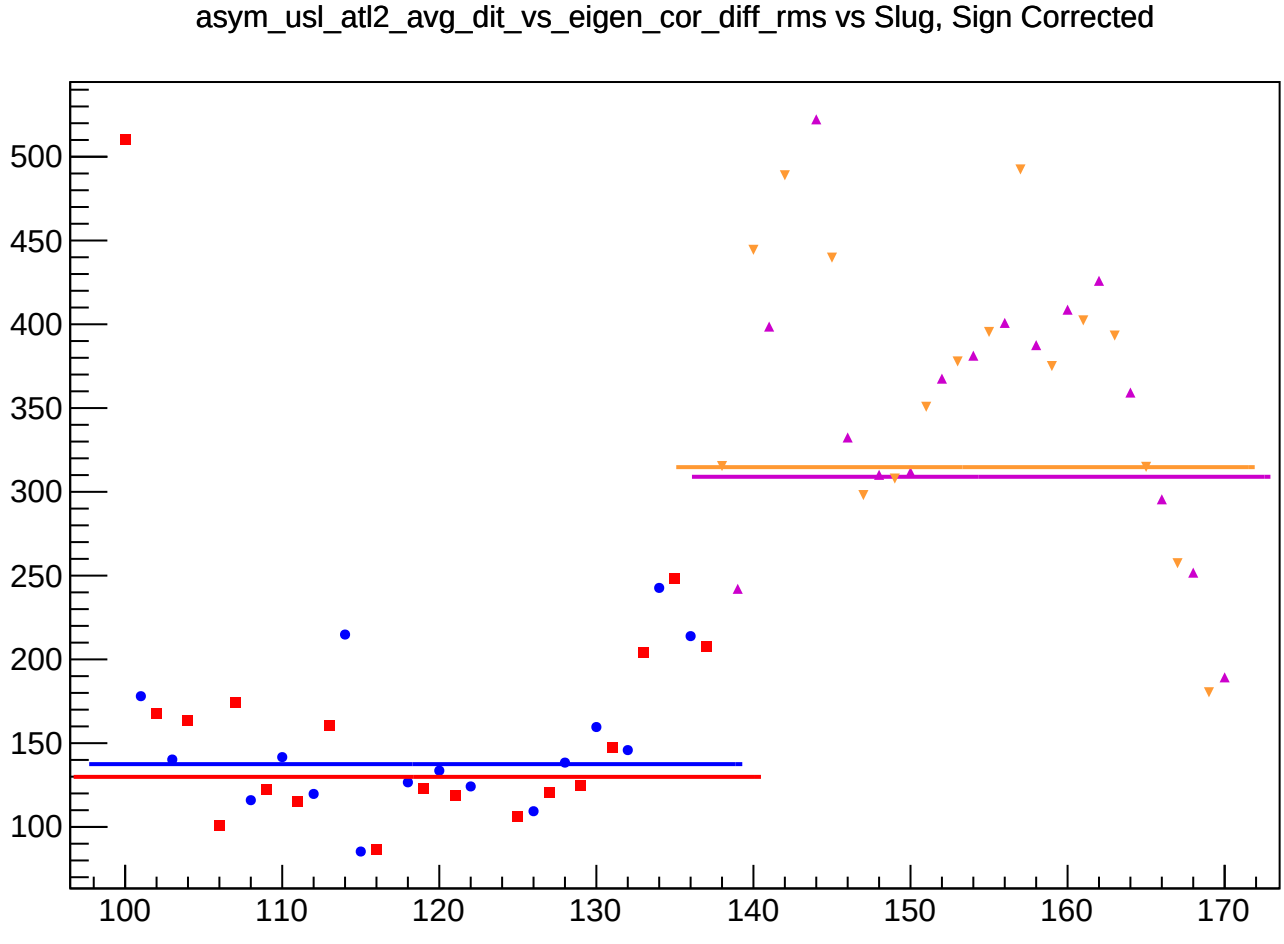
Left: -0.057+/-0.064 χ^2/NDF: 46.0/31

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.031+/-0.046 χ^2/NDF:49.5/33

All: -0.003+/-0.033 χ^2/NDF: 90.1/65



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.742+/-0.066 χ^2/NDF:1862101.2/15

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 308.986+/-0.063 χ^2/NDF:1732611.5/15

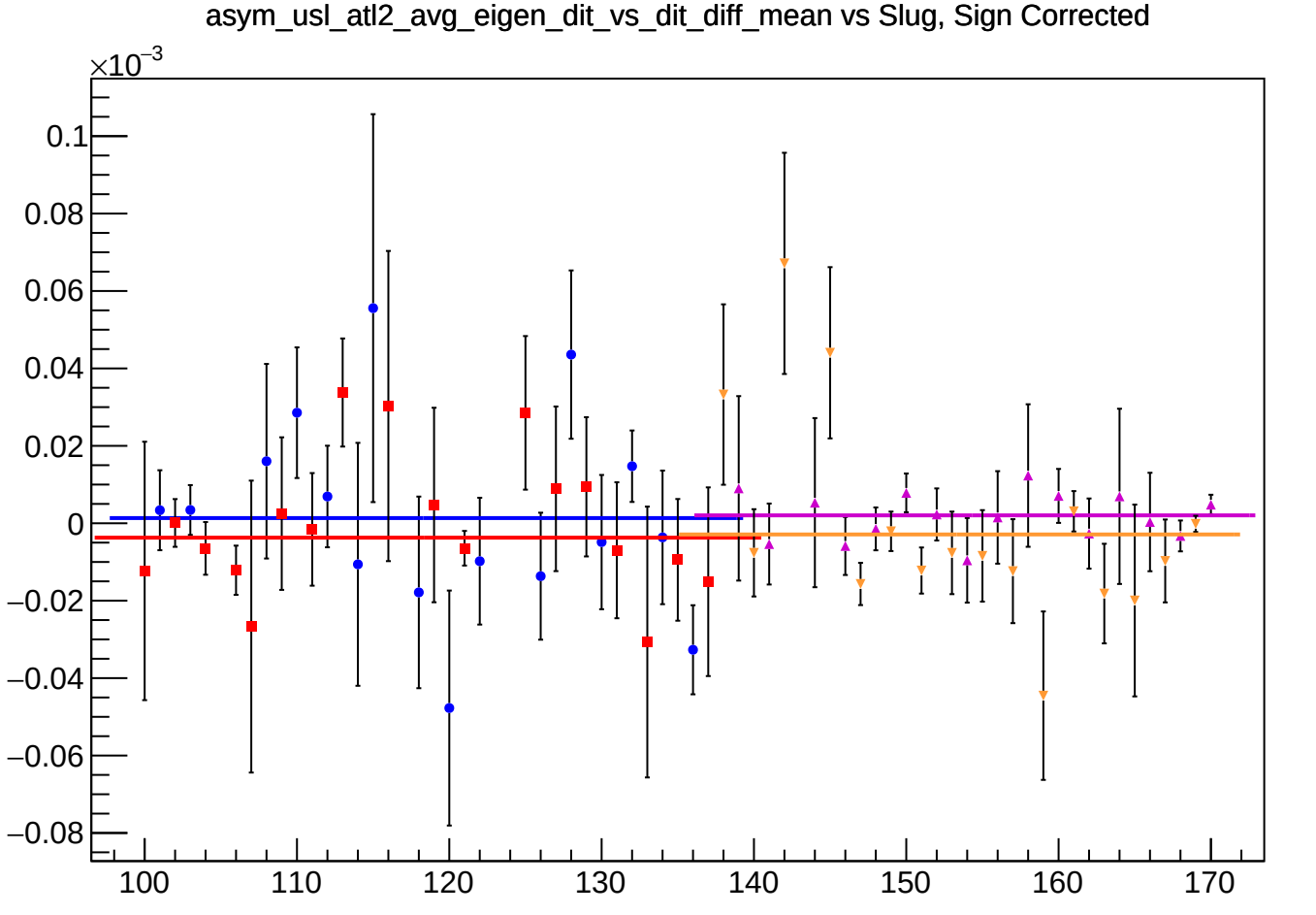
Left: 311.740+/-0.046 χ^2/NDF: 3598688.7/31

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 183.677+/-0.033 χ^2/NDF:7816706.6/31

Out: 174.380+/-0.032 χ^2/NDF:8665439.9/33

All: 178.969+/-0.023 χ^2/NDF: 16522919.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.7/15

Left: -0.000+/-0.000 χ^2/NDF: 44.7/31

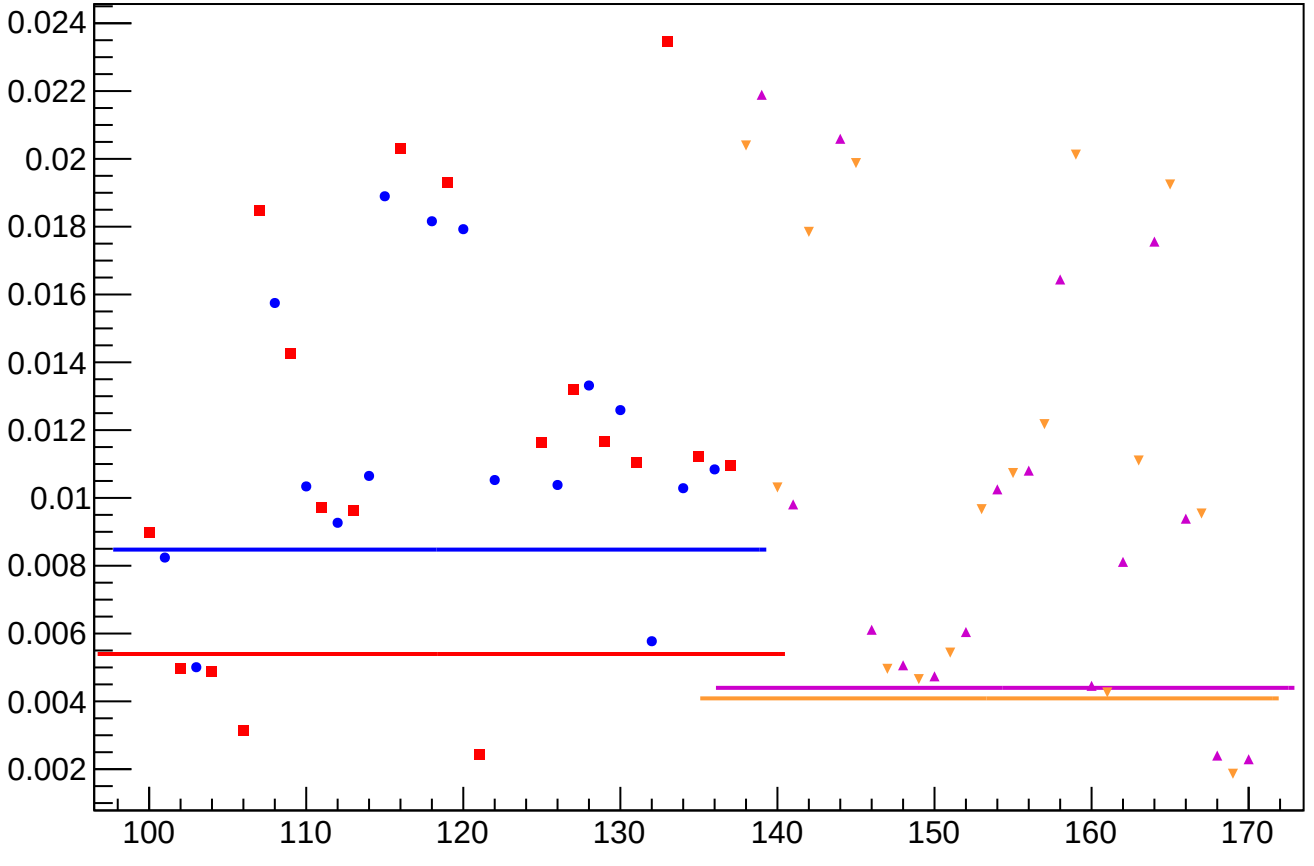
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:32.7/31

Out: -0.000+/-0.000 χ^2/NDF:46.9/33

All: -0.000+/-0.000 χ^2/NDF: 86.2/65

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:10393555.2/15

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.004+/-0.000 χ^2/NDF:8164748.9/15

Left: 0.004+/-0.000 χ^2/NDF: 18597929.1/31

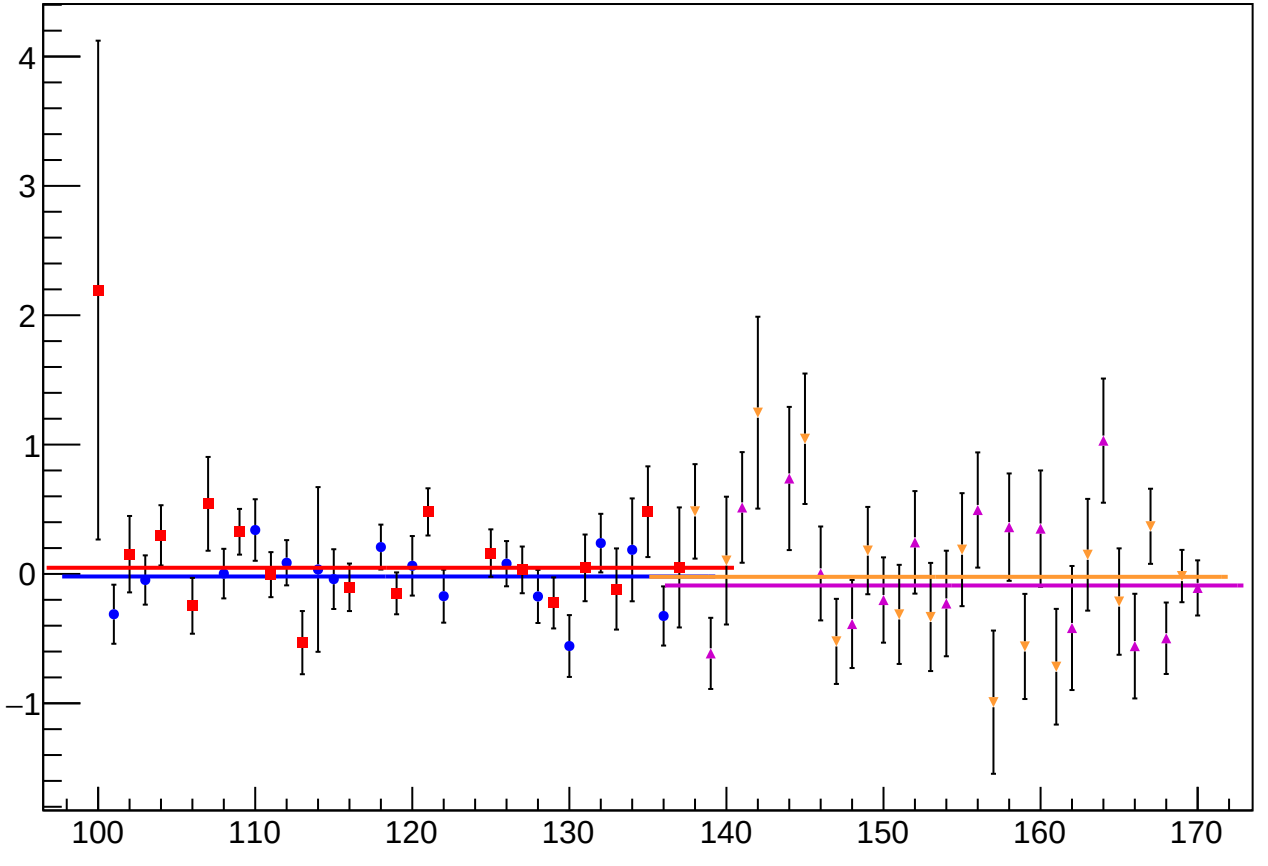
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:12402360.1/31

Out: 0.004+/-0.000 χ^2/NDF:15693746.6/33

All: 0.005+/-0.000 χ^2/NDF: 28327583.6/65

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: -0.022+/-0.093 χ^2/NDF:22.8/15

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.089+/-0.089 χ^2/NDF:22.9/15

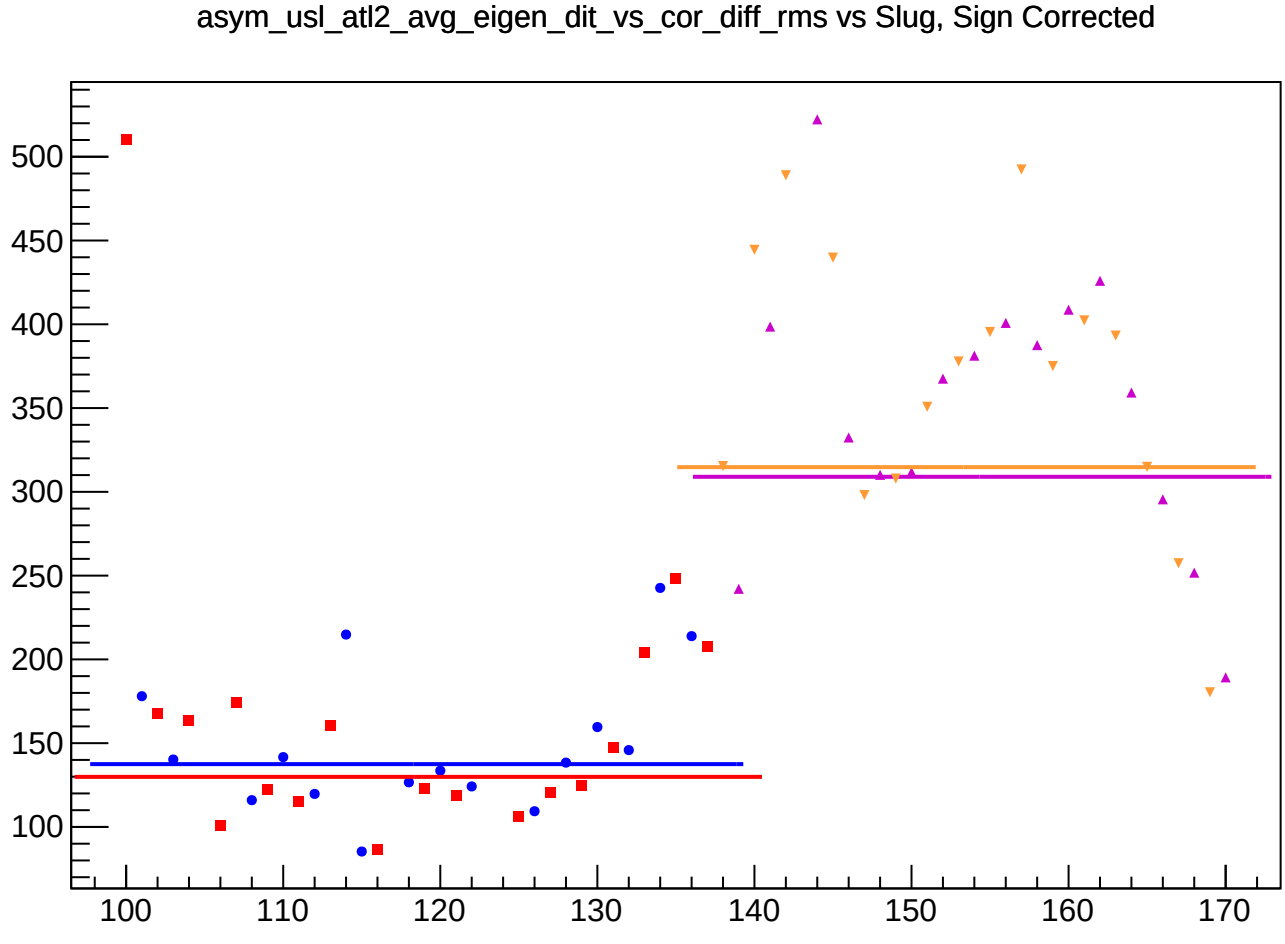
Left: -0.057+/-0.064 χ^2/NDF: 46.0/31

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

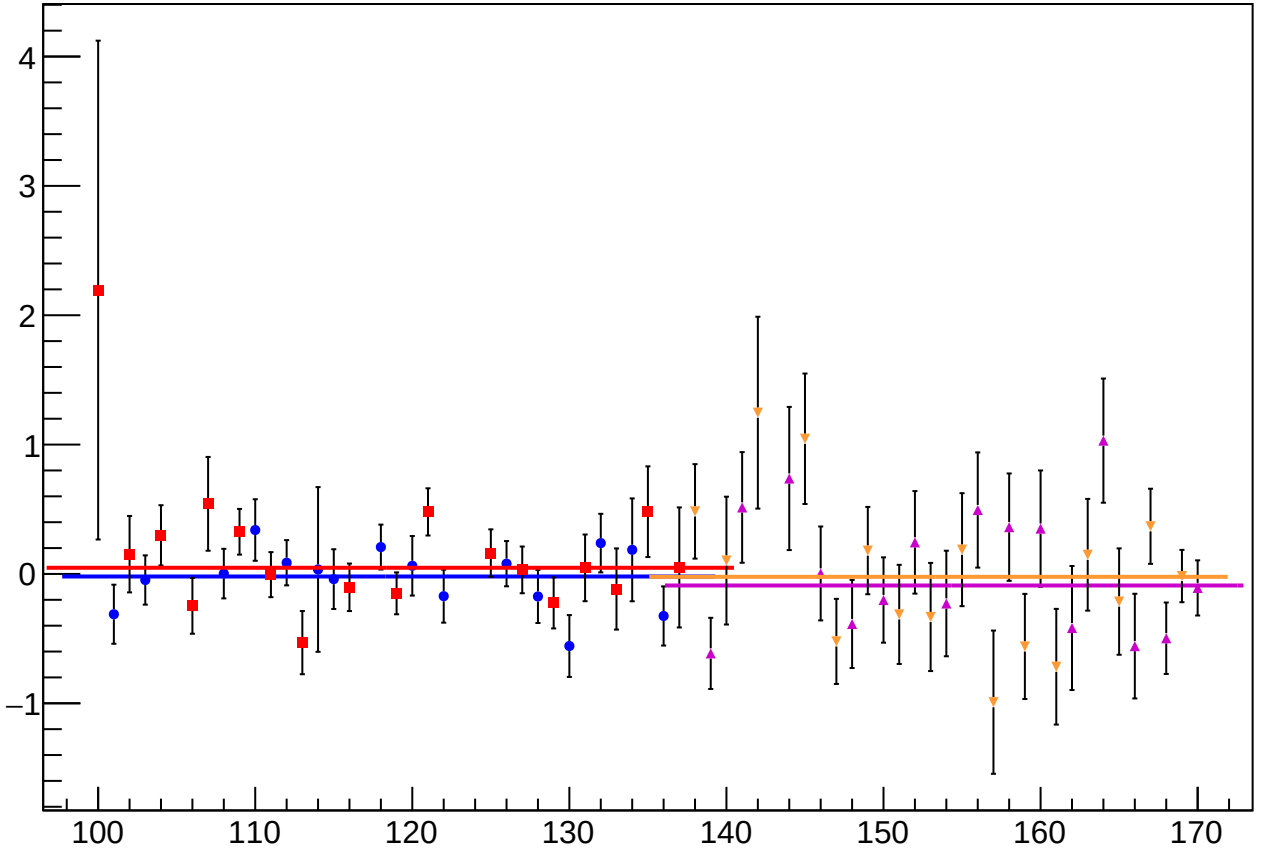
In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.031+/-0.046 χ^2/NDF:49.5/33

All: -0.003+/-0.033 χ^2/NDF: 90.1/65


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 314.745+/-0.066 χ²/NDF:1862183.6/15
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 308.990+/-0.063 χ²/NDF:1732641.4/15
Left: 311.743+/-0.046 χ²/NDF: 3598799.6/31
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 183.677+/-0.033 χ²/NDF:7816861.8/31
Out: 174.380+/-0.032 χ²/NDF:8665570.6/33
All: 178.969+/-0.023 χ²/NDF: 16523206.1/65

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: -0.022+/-0.093 χ^2/NDF:22.8/15

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.089+/-0.089 χ^2/NDF:22.9/15

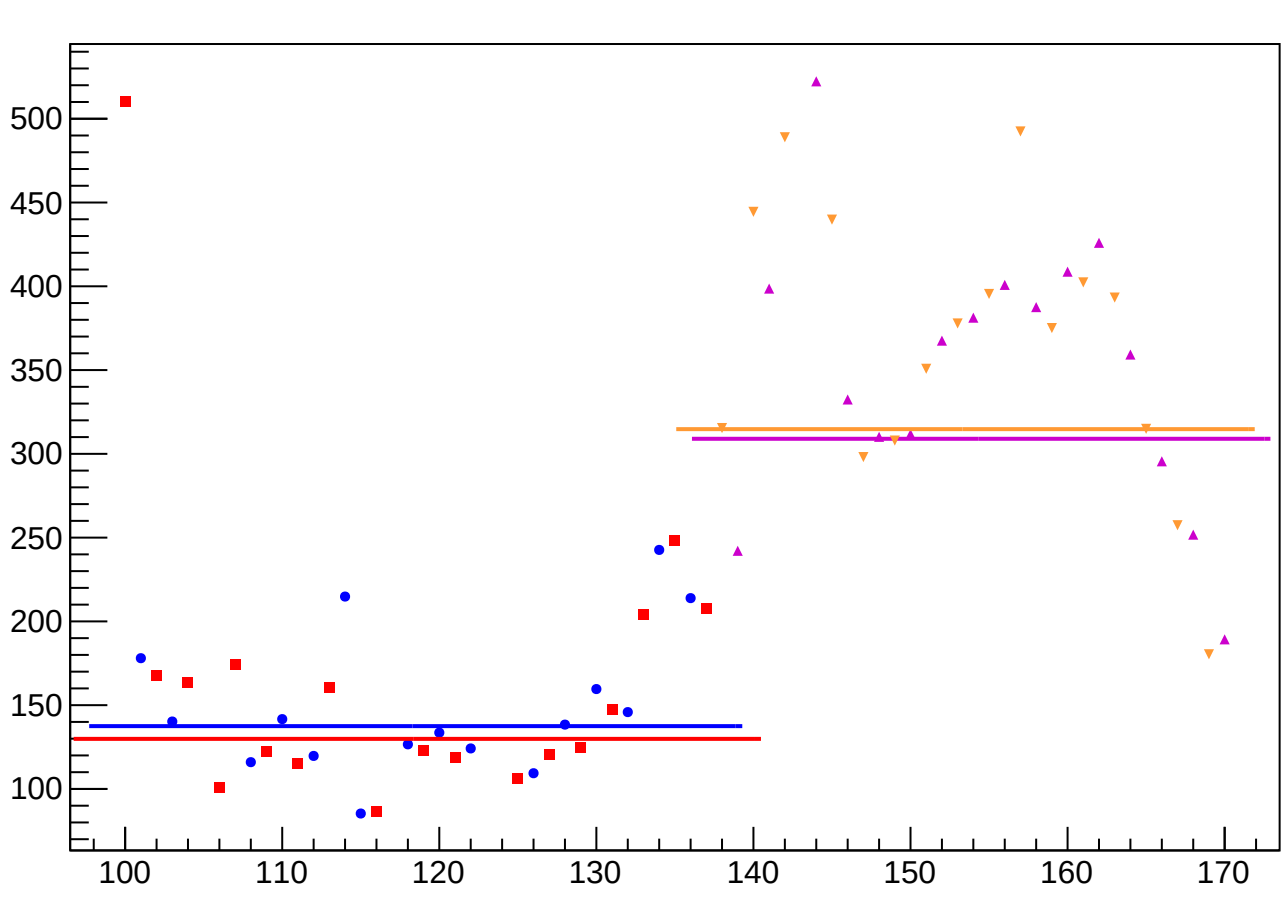
Left: -0.057+/-0.064 χ^2/NDF: 46.0/31

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.031+/-0.046 χ^2/NDF:49.5/33

All: -0.003+/-0.033 χ^2/NDF: 90.1/65



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 314.745+/-0.066 χ^2/NDF:1862183.6/15

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 308.990+/-0.063 χ^2/NDF:1732641.4/15

Left: 311.743+/-0.046 χ^2/NDF: 3598799.6/31

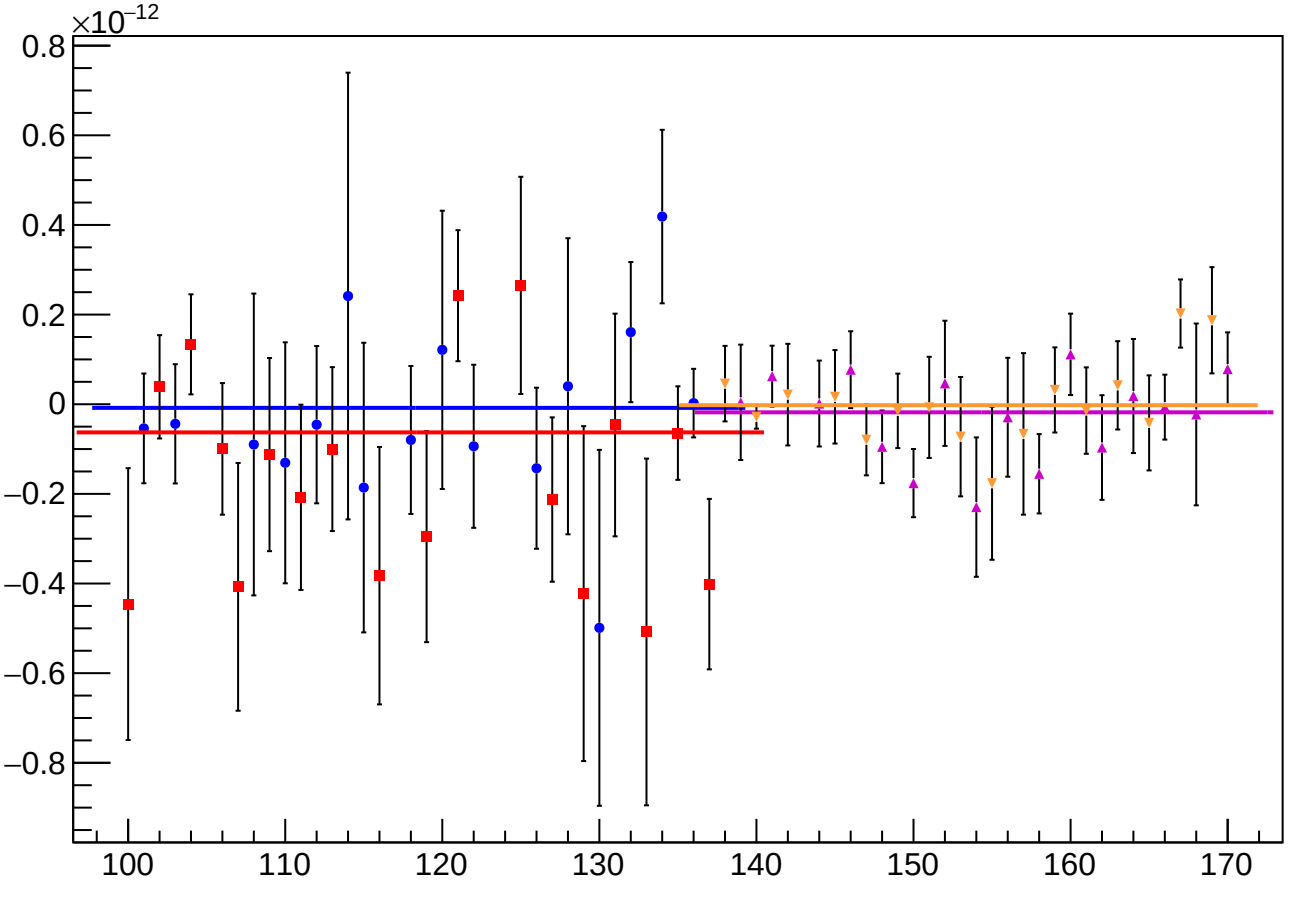
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 183.677+/-0.033 χ^2/NDF:7816861.8/31

Out: 174.380+/-0.032 χ^2/NDF:8665570.6/33

All: 178.969+/-0.023 χ^2/NDF: 16523206.1/65

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

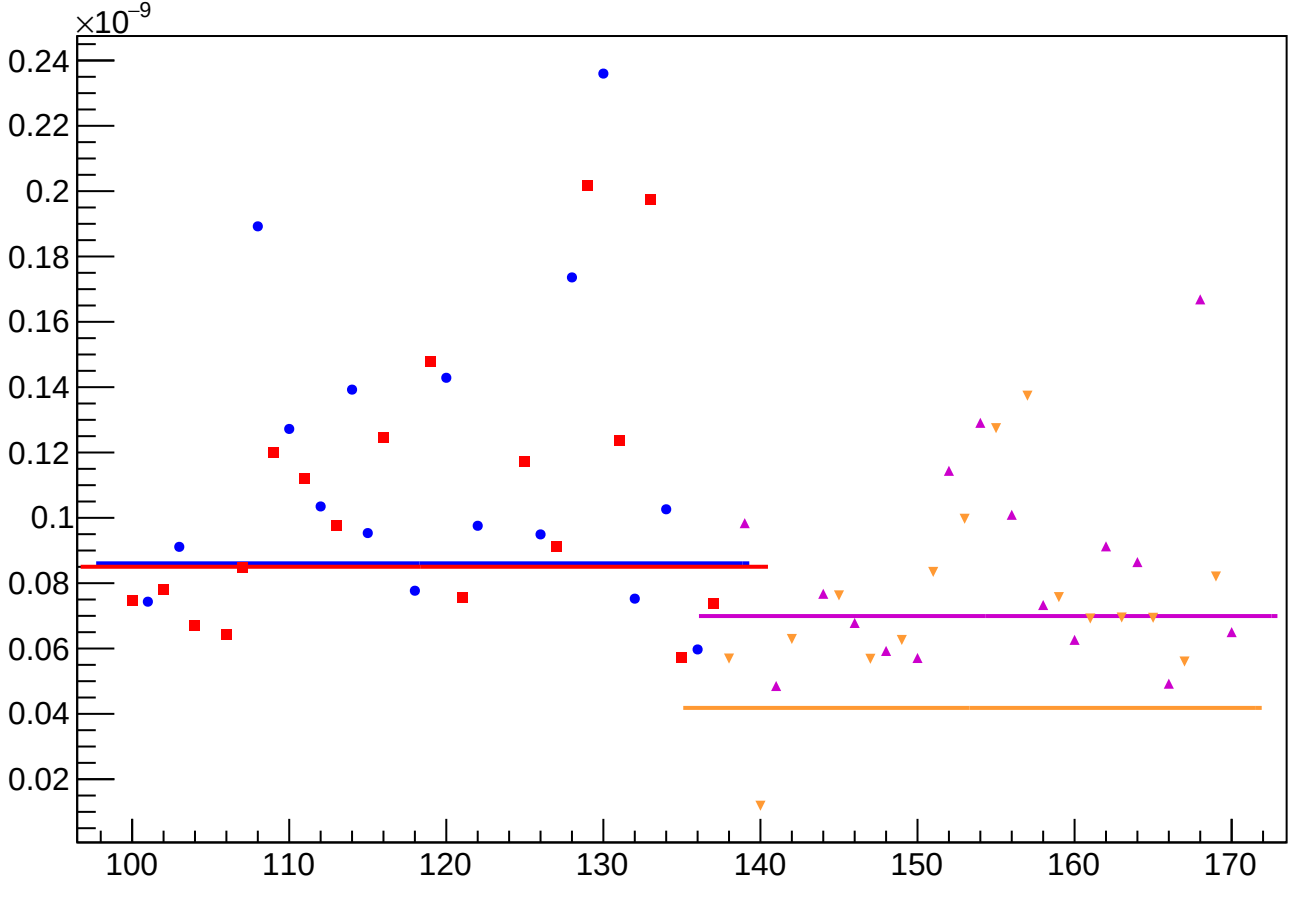
Left: -0.000+/-0.000 χ^2/NDF: 30.7/31

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:26.2/31

Out: -0.000+/-0.000 χ^2/NDF:38.0/33

All: -0.000+/-0.000 χ^2/NDF: 64.2/65



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5793582.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1744016.5/15

Left: 0.000+/-0.000 χ^2/NDF: 9253363.5/31

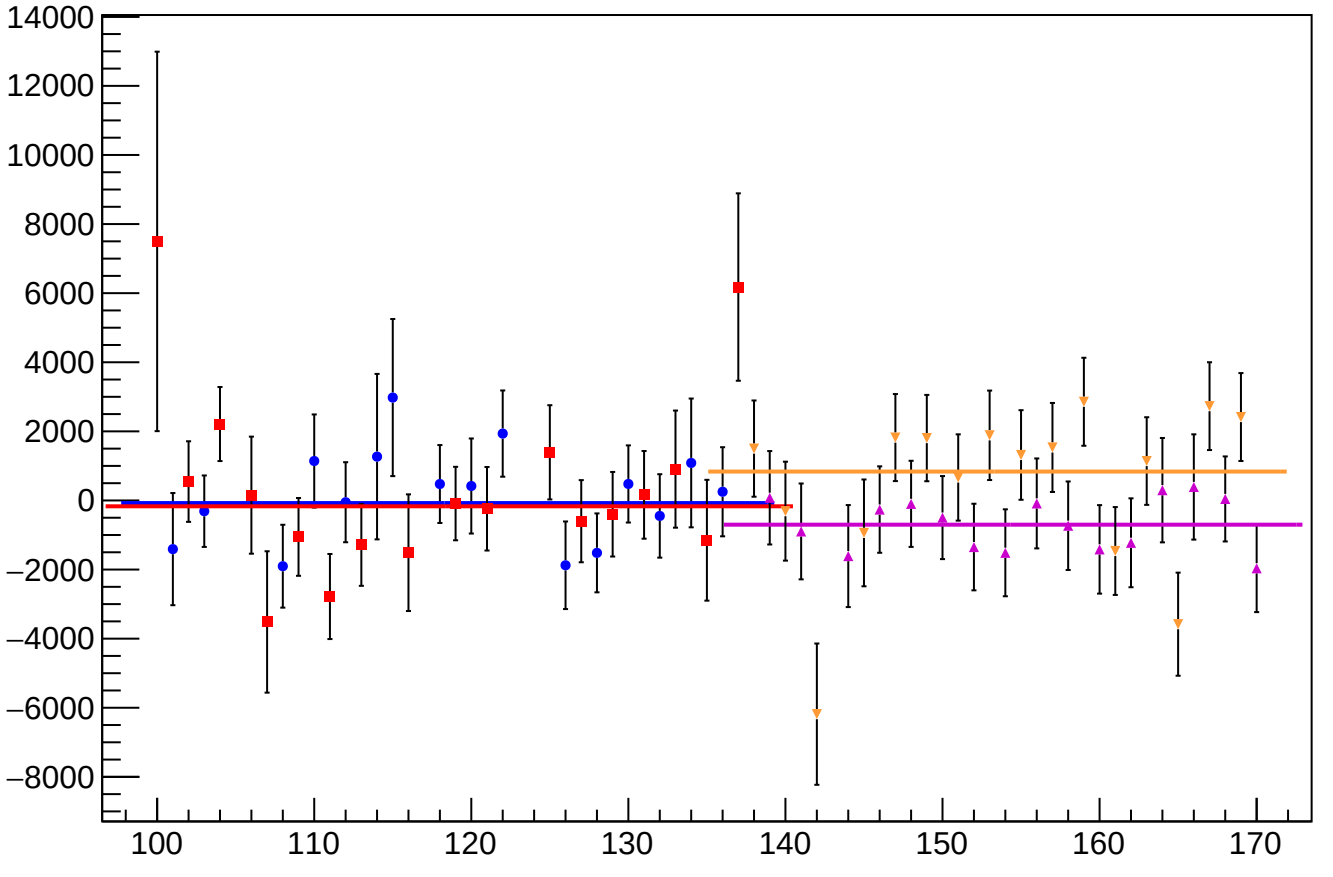
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3035151.7/31

Out: 0.000+/-0.000 χ^2/NDF:8562918.3/33

All: 0.000+/-0.000 χ^2/NDF: 13296269.6/65

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 836.273+/-335.023 χ^2/NDF:34.7/15

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -701.186+/-327.327 χ^2/NDF:4.8/15

Left: 49.681+/-234.129 χ^2/NDF: 50.3/31

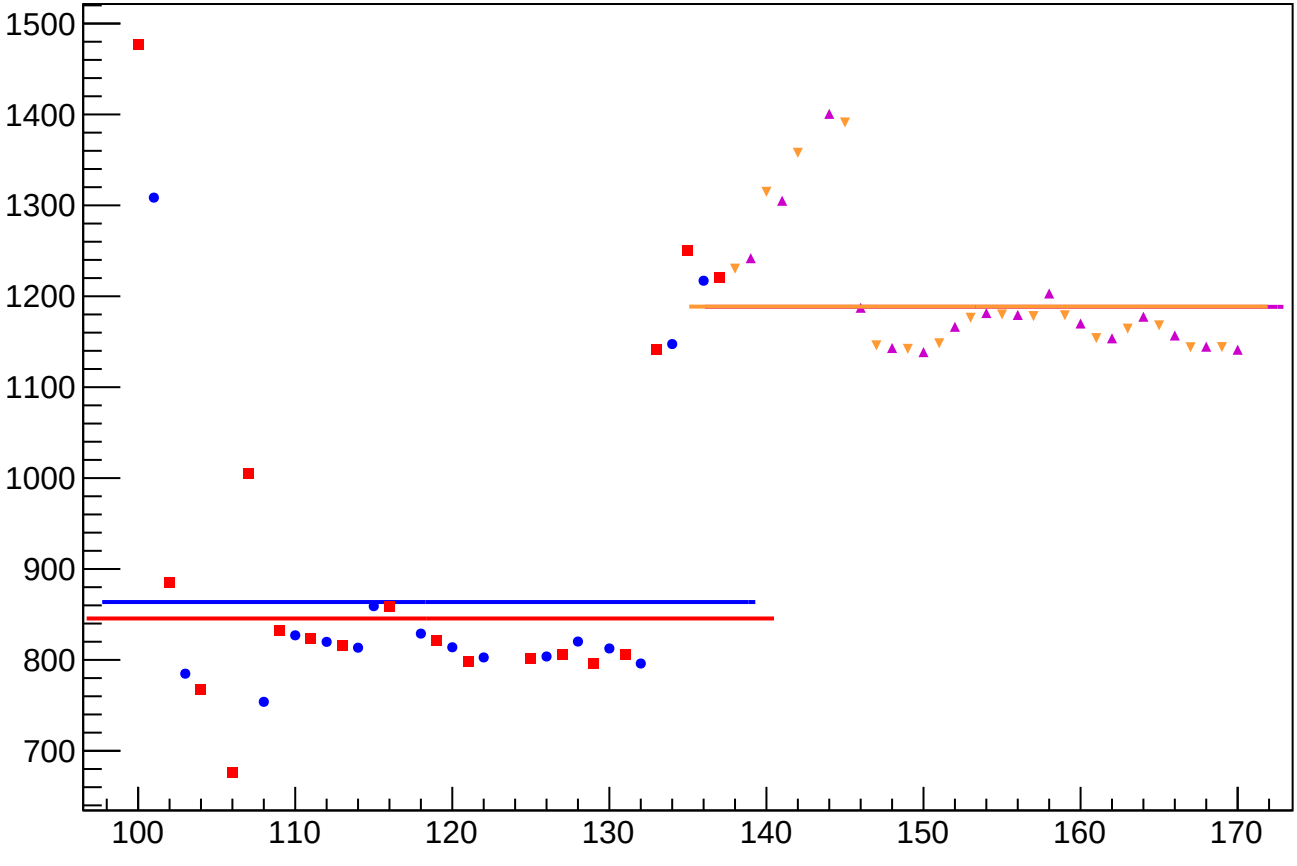
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -387.512+/-231.065 χ^2/NDF:20.0/31

Out: 313.270+/-232.091 χ^2/NDF:63.7/33

All: -38.674+/-163.749 χ^2/NDF: 88.3/65

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1188.641+/-0.237 χ^2/NDF:80556.1/15

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

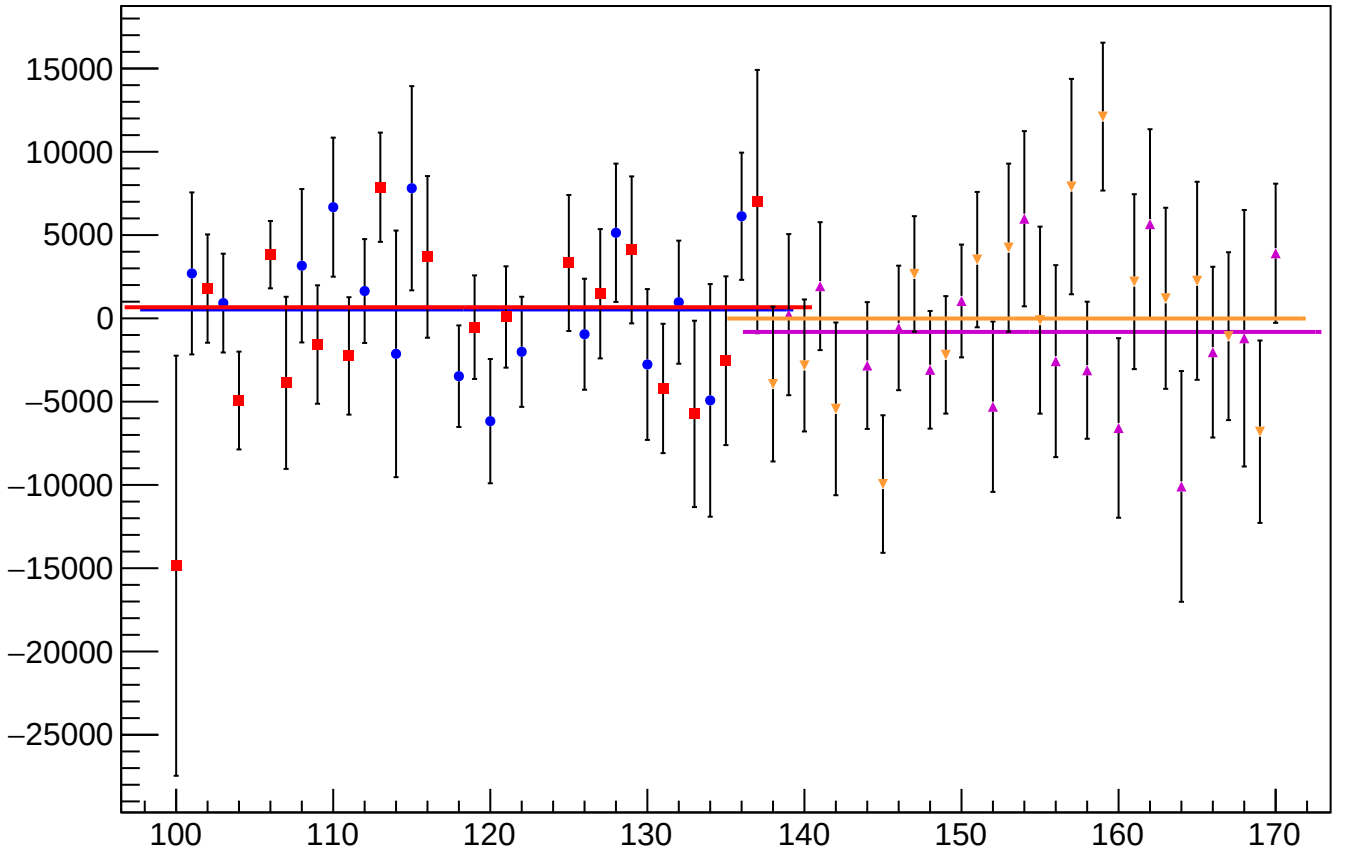
Left: 1188.503+/-0.166 χ^2/NDF: 154416.7/31

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1025.470+/-0.163 χ^2/NDF:1468751.8/31

Out: 1008.092+/-0.163 χ^2/NDF:1492021.2/33

All: 1016.763+/-0.115 χ^2/NDF: 2966440.8/65



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -9.703+/-1157.156 χ^2/NDF:21.5/15

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -814.893+/-1131.978 χ^2/NDF:10.0/15

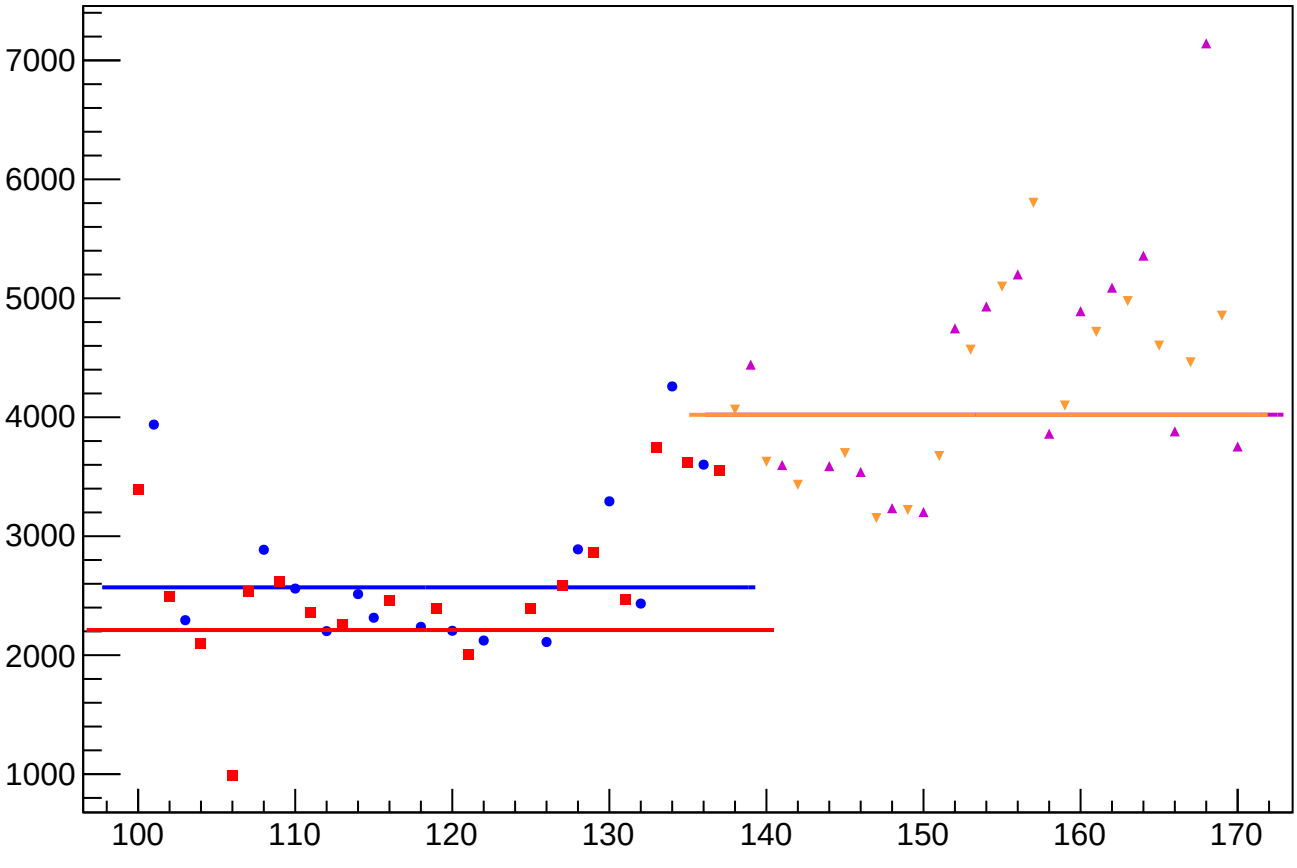
Left: -421.153+/-809.184 χ^2/NDF: 31.7/31

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -44.460+/-741.472 χ^2/NDF:25.4/31

Out: 423.709+/-692.808 χ^2/NDF:41.7/33

All: 205.491+/-506.219 χ^2/NDF: 67.3/65



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4020.509+/-0.818 χ^2/NDF:728415.7/15

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 4021.641+/-0.800 χ^2/NDF:1036387.2/15

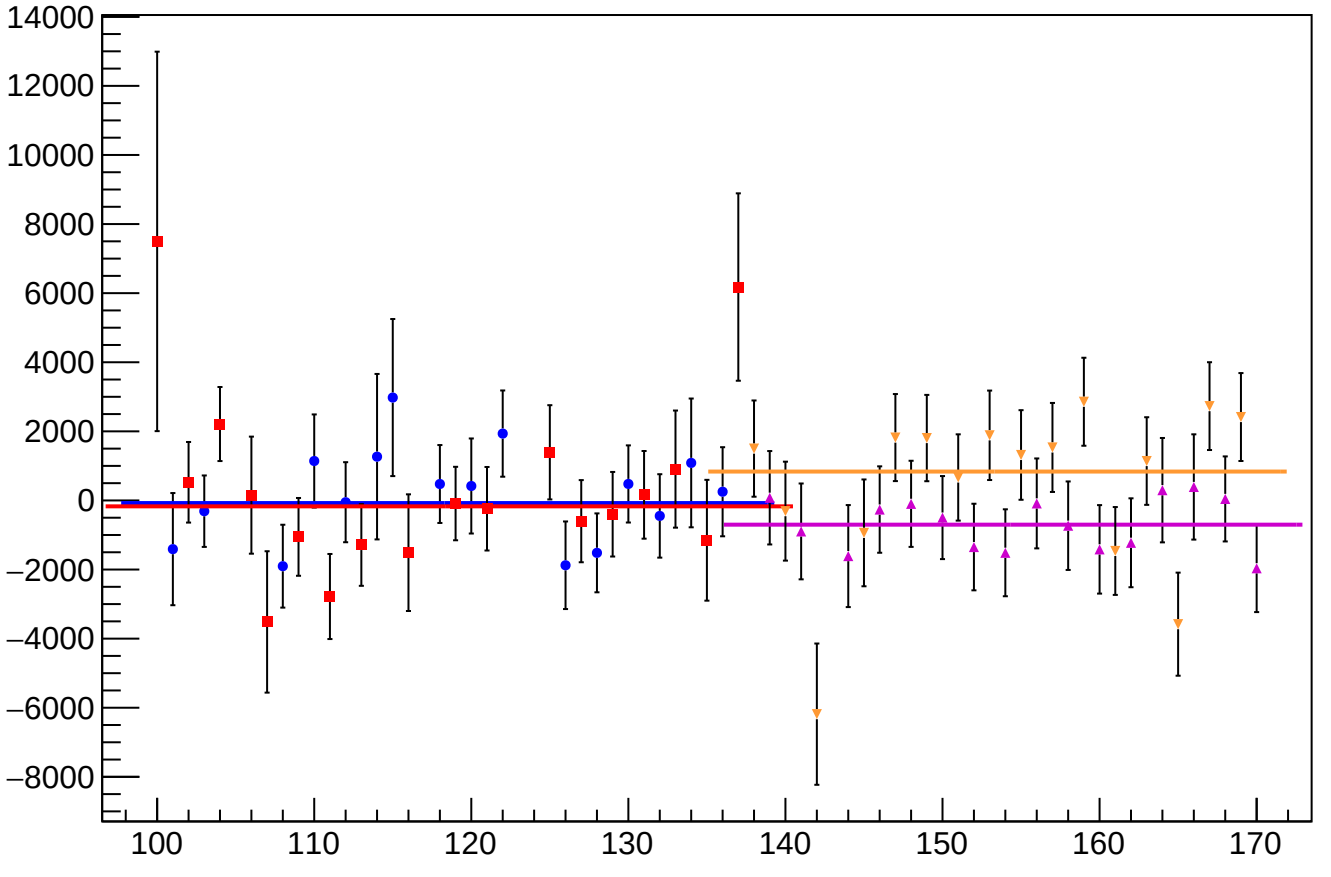
Left: 4021.088+/-0.572 χ^2/NDF: 1764803.9/31

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3192.911+/-0.524 χ^2/NDF:3576390.9/31

Out: 2859.811+/-0.490 χ^2/NDF:5129123.5/33

All: 3015.072+/-0.358 χ^2/NDF: 8921012.1/65



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 836.264+/-335.023 χ^2/NDF:34.7/15

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -701.185+/-327.327 χ^2/NDF:4.8/15

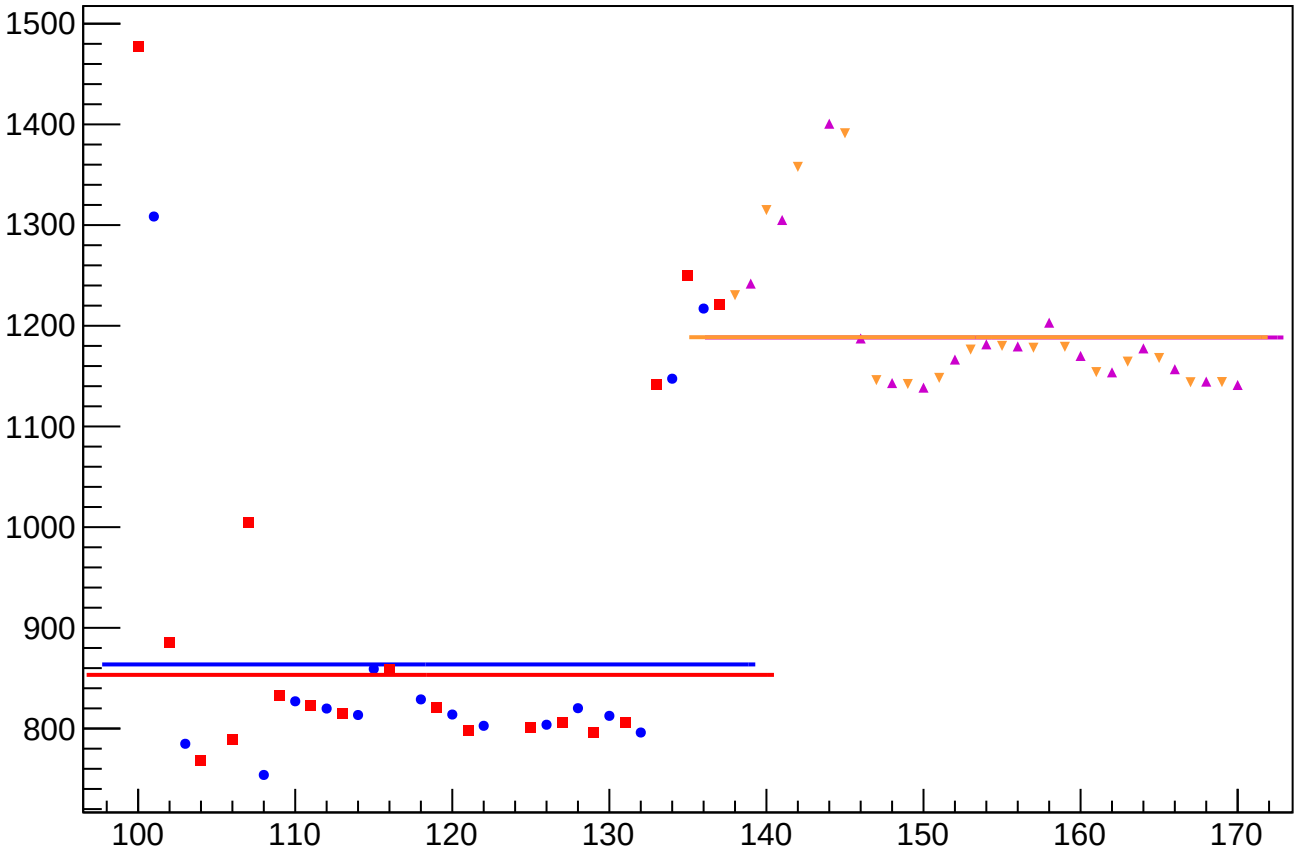
Left: 49.678+/-234.129 χ^2/NDF: 50.3/31

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -387.551+/-231.065 χ^2/NDF:20.0/31

Out: 312.422+/-232.093 χ^2/NDF:63.7/33

All: -39.118+/-163.750 χ^2/NDF: 88.3/65



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1188.641+/-0.237 χ^2/NDF:80556.1/15

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

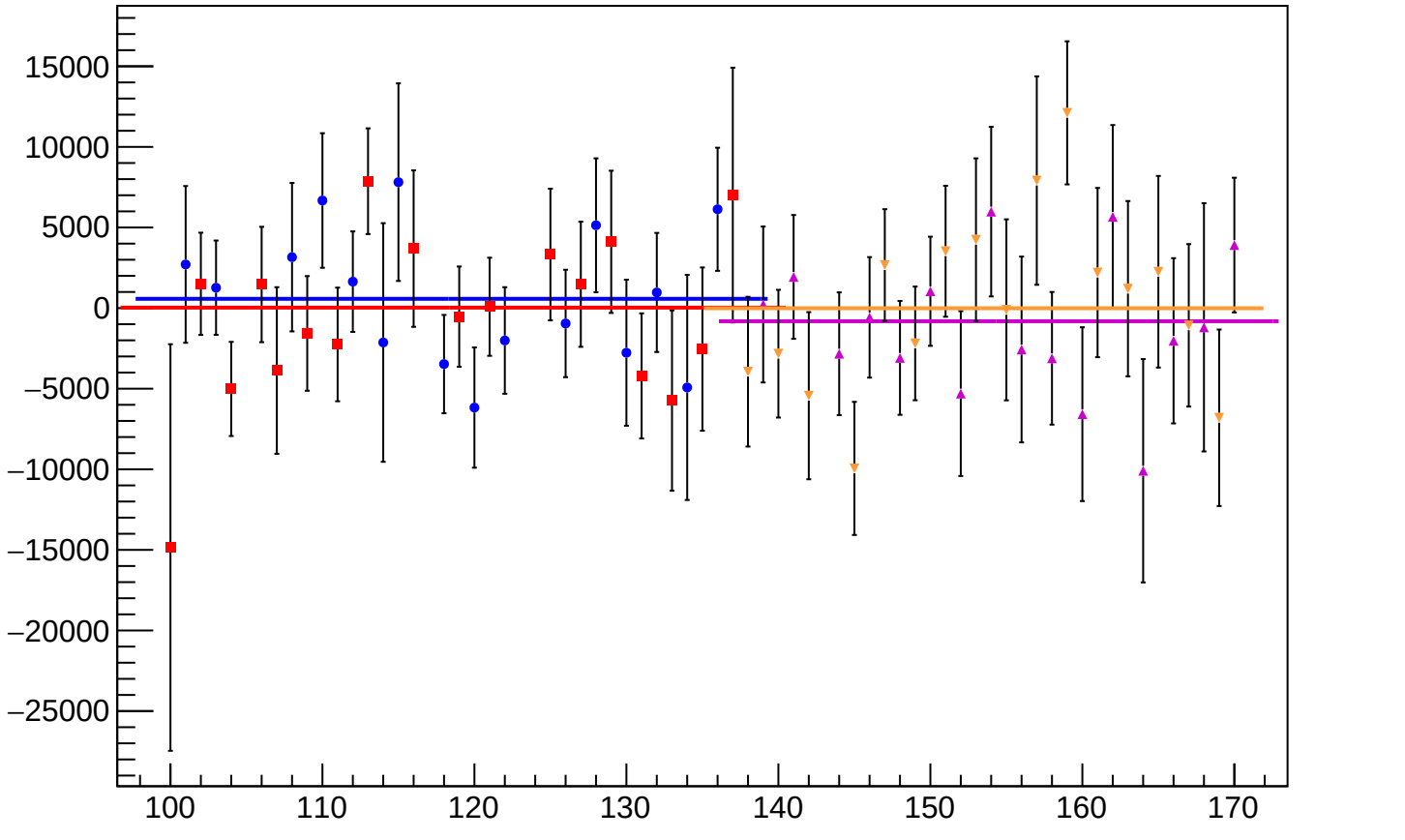
Left: 1188.503+/-0.166 χ^2/NDF: 154416.7/31

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1025.470+/-0.163 χ^2/NDF:1468751.9/31

Out: 1013.367+/-0.164 χ^2/NDF:1403278.0/33

All: 1019.429+/-0.116 χ^2/NDF: 2874768.7/65



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -9.687+/-1157.156 χ^2/NDF:21.5/15

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -814.934+/-1131.976 χ^2/NDF:10.0/15

Left: -421.167+/-809.184 χ^2/NDF: 31.7/31

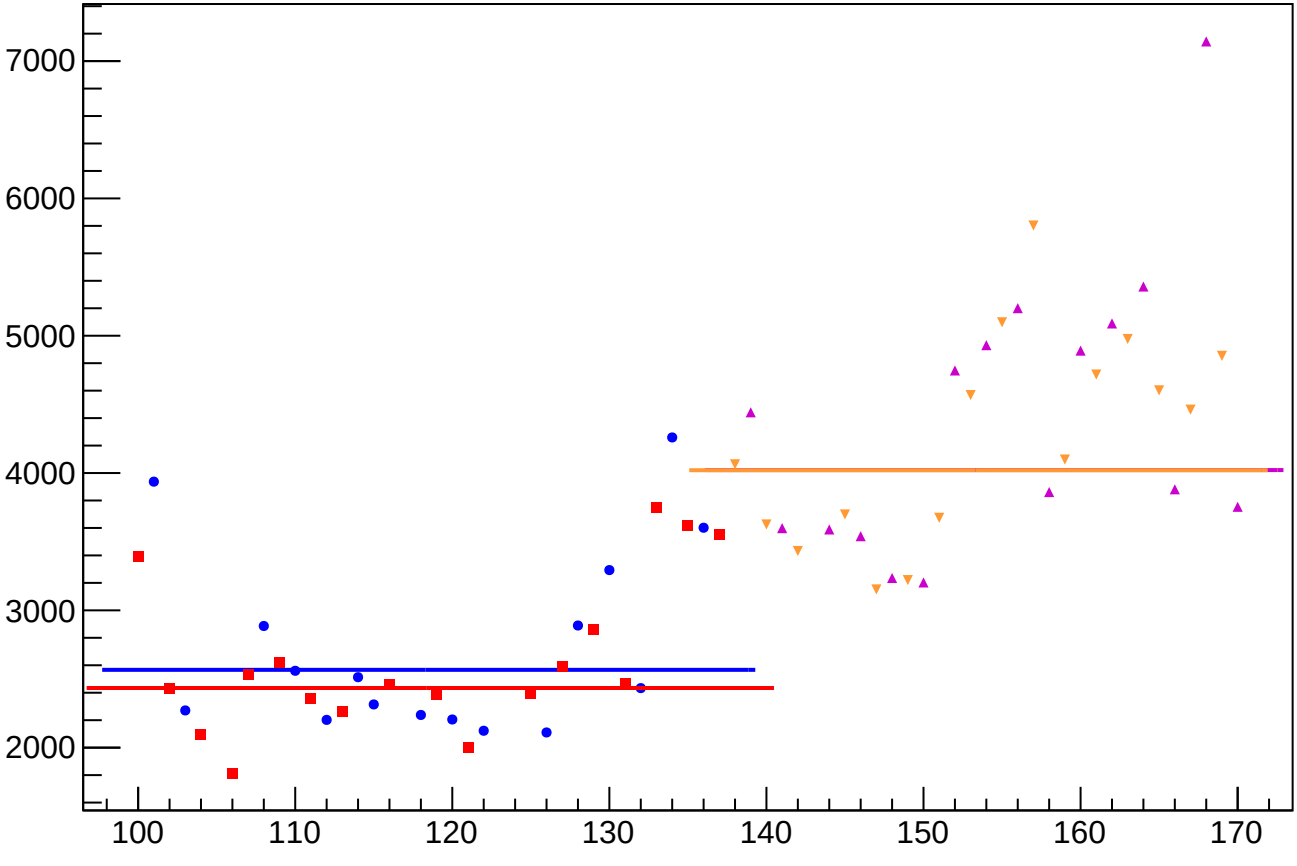
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -20.384+/-740.852 χ^2/NDF:25.5/31

Out: 13.732+/-721.147 χ^2/NDF:38.7/33

All: -2.866+/-516.754 χ^2/NDF: 64.2/65

asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4020.510+/-0.818 χ^2/NDF:728415.9/15

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

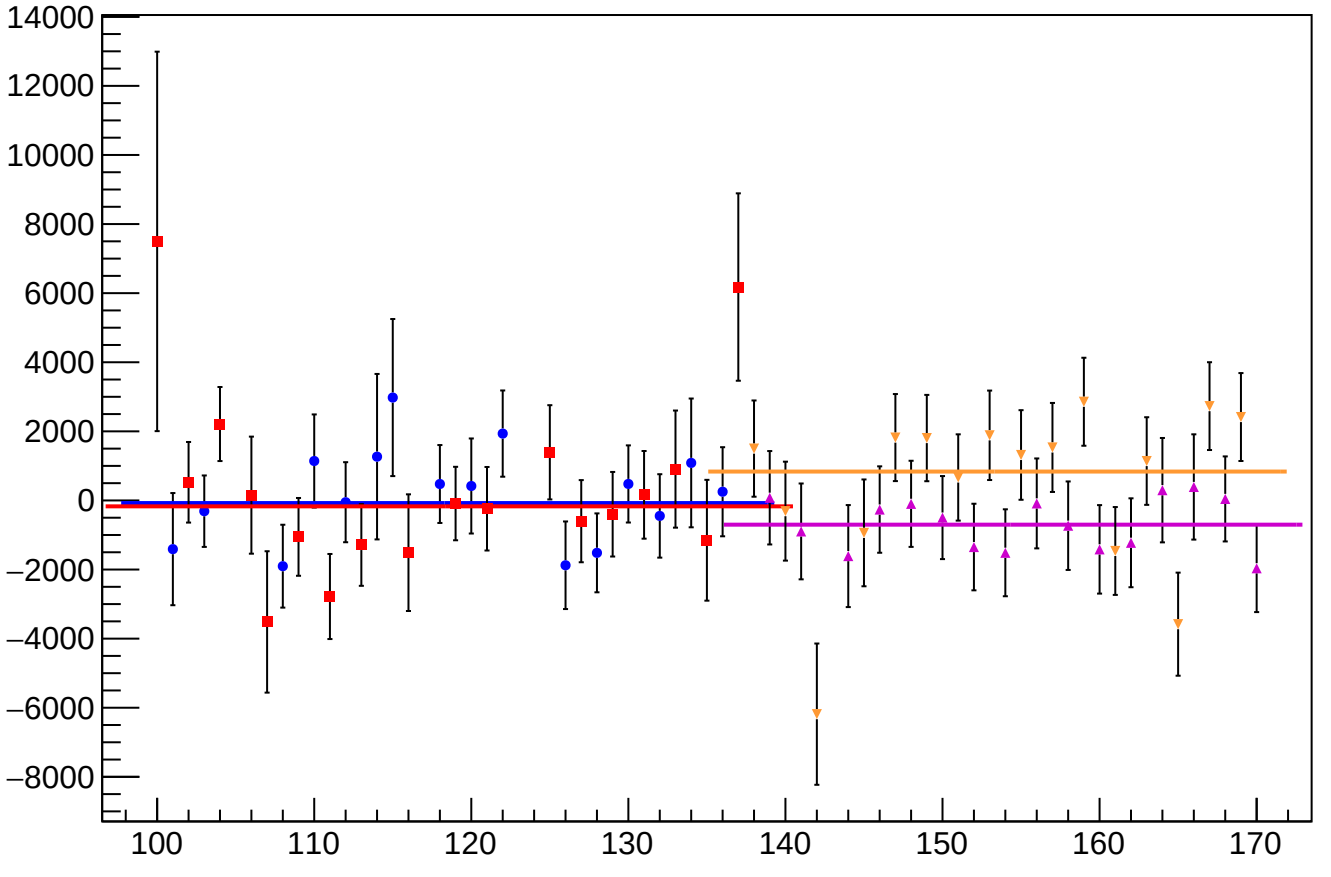
Left: 4021.085+/-0.572 χ^2/NDF: 1764807.6/31

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3189.925+/-0.524 χ^2/NDF:3590957.0/31

Out: 3050.441+/-0.510 χ^2/NDF:3460619.7/33

All: 3118.303+/-0.365 χ^2/NDF: 7087979.2/65



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 836.264+/-335.023 χ^2/NDF:34.7/15

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -701.185+/-327.327 χ^2/NDF:4.8/15

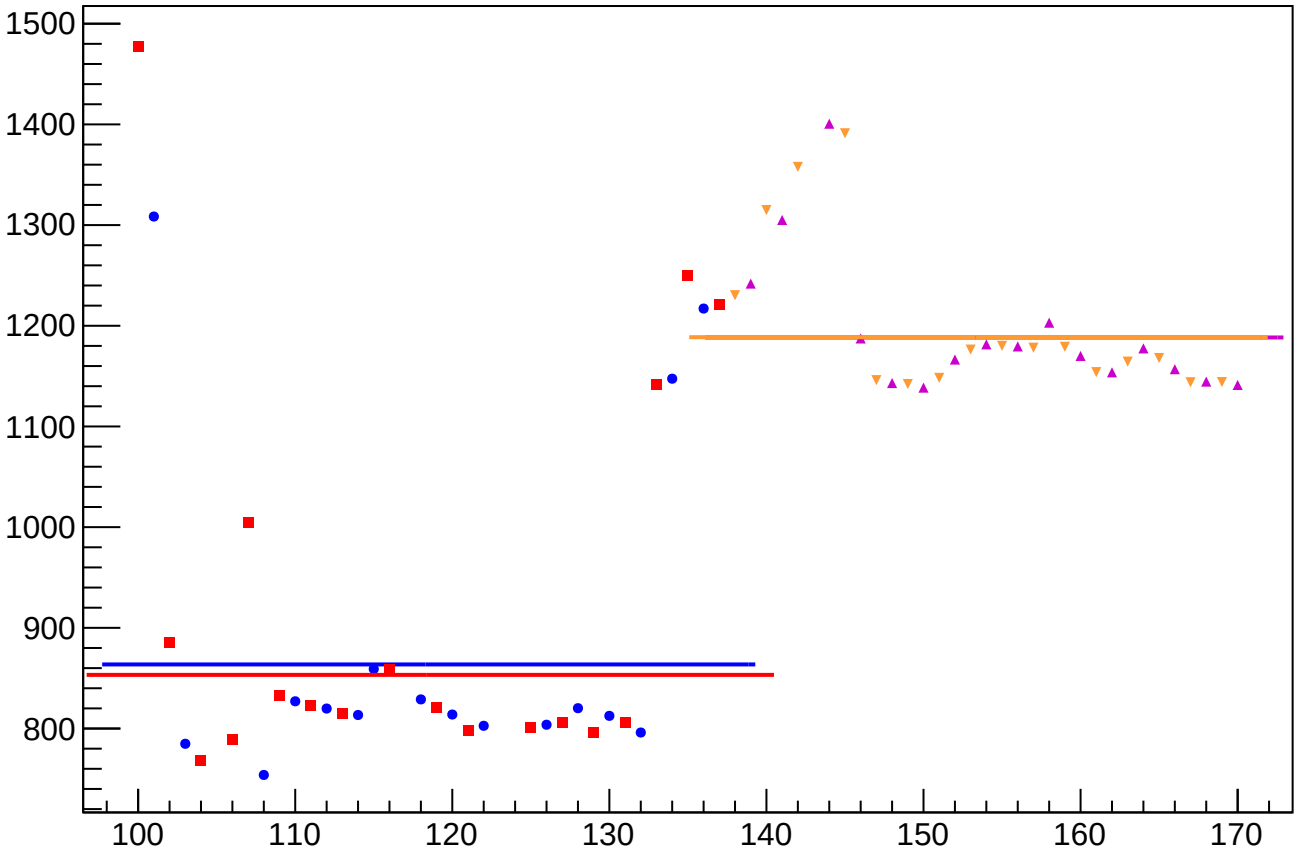
Left: 49.678+/-234.129 χ^2/NDF: 50.3/31

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -387.551+/-231.065 χ^2/NDF:20.0/31

Out: 312.422+/-232.093 χ^2/NDF:63.7/33

All: -39.118+/-163.750 χ^2/NDF: 88.3/65



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1188.641+/-0.237 χ^2/NDF:80556.1/15

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

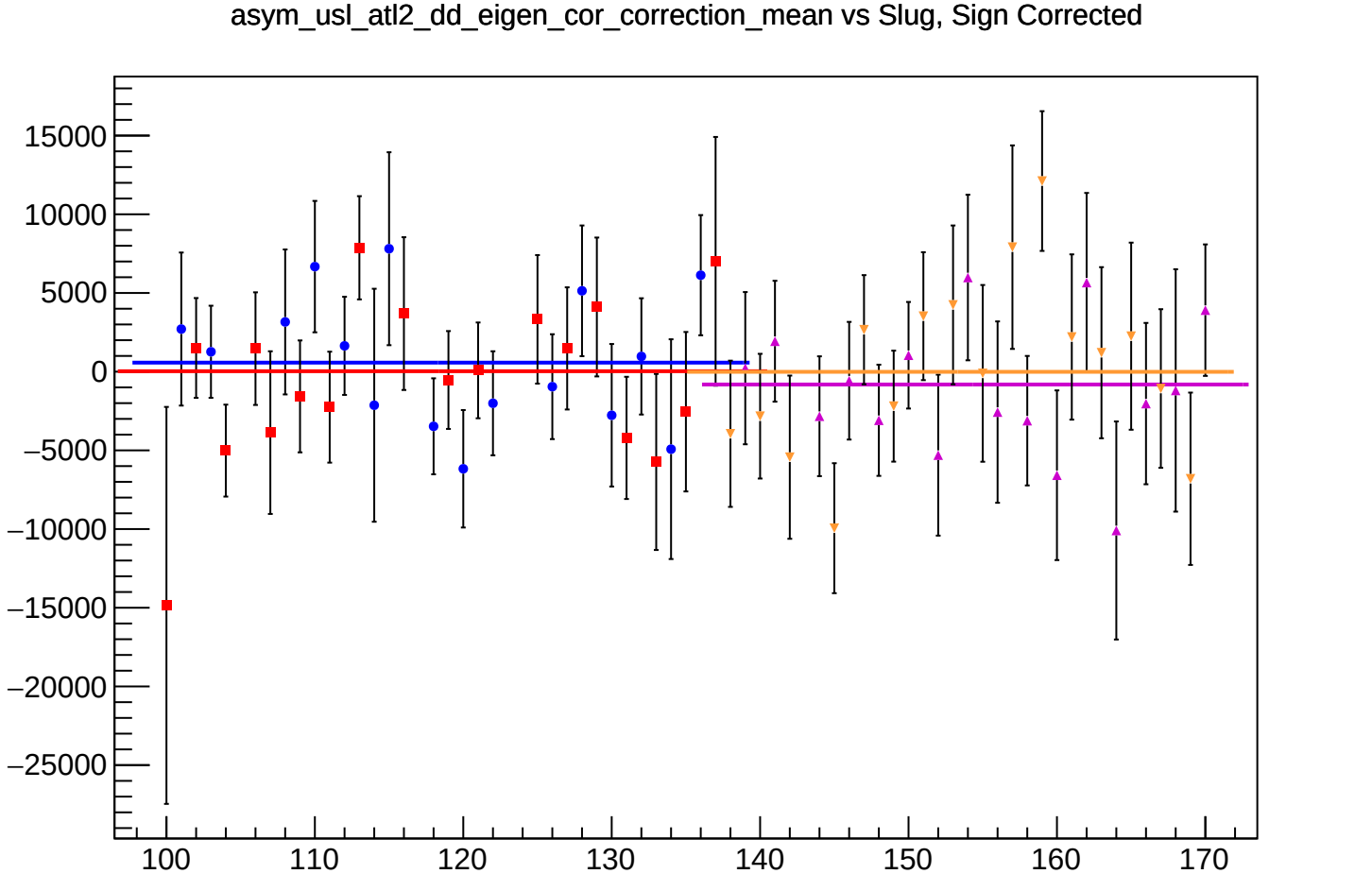
Left: 1188.503+/-0.166 χ^2/NDF: 154416.7/31

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

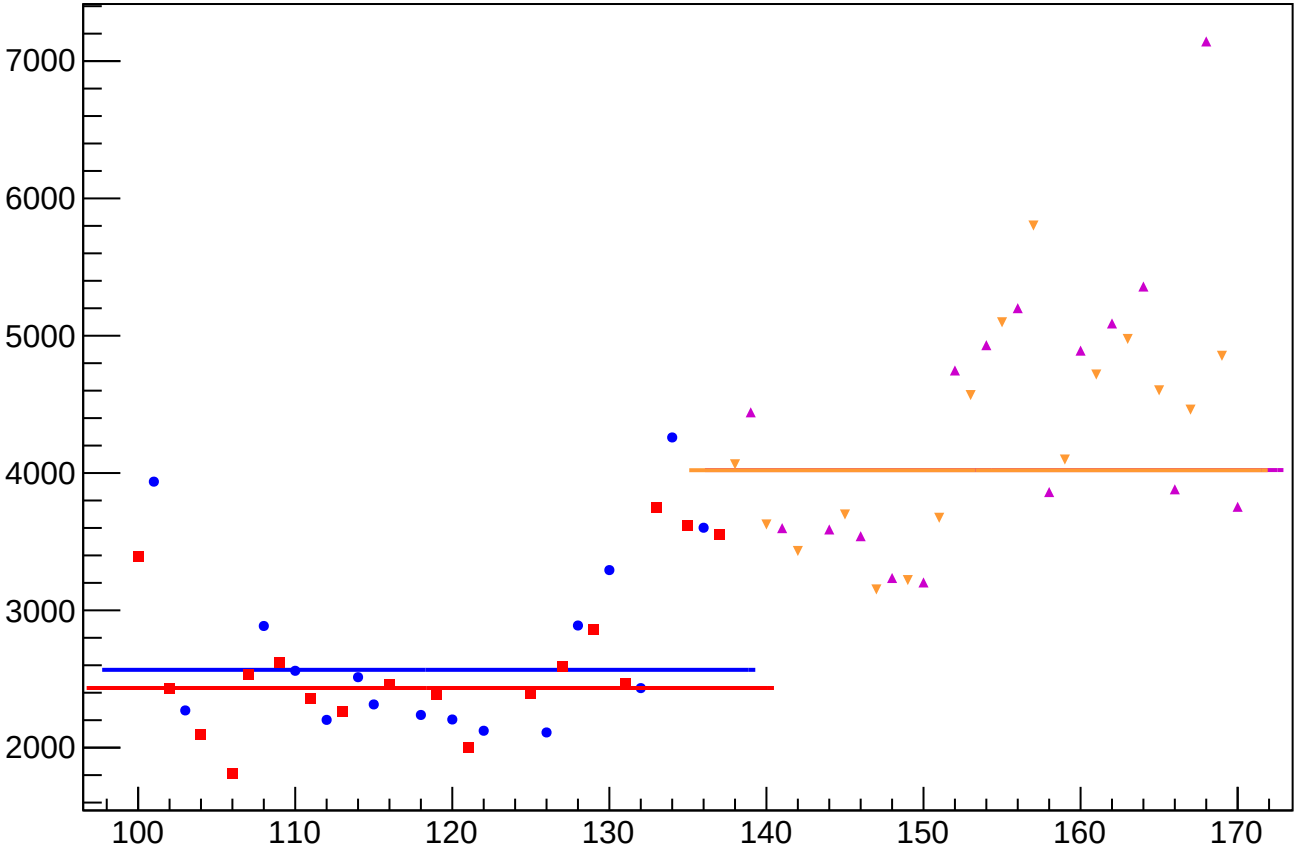
In: 1025.470+/-0.163 χ^2/NDF:1468751.9/31

Out: 1013.367+/-0.164 χ^2/NDF:1403278.0/33

All: 1019.429+/-0.116 χ^2/NDF: 2874768.7/65


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: -9.687+/-1157.156 χ²/NDF:21.5/15
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -814.934+/-1131.976 χ²/NDF:10.0/15
Left: -421.167+/-809.184 χ²/NDF: 31.7/31
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -20.384+/-740.852 χ²/NDF:25.5/31
Out: 13.732+/-721.147 χ²/NDF:38.7/33
All: -2.866+/-516.754 χ²/NDF: 64.2/65

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4020.510+/-0.818 χ^2/NDF:728415.9/15

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

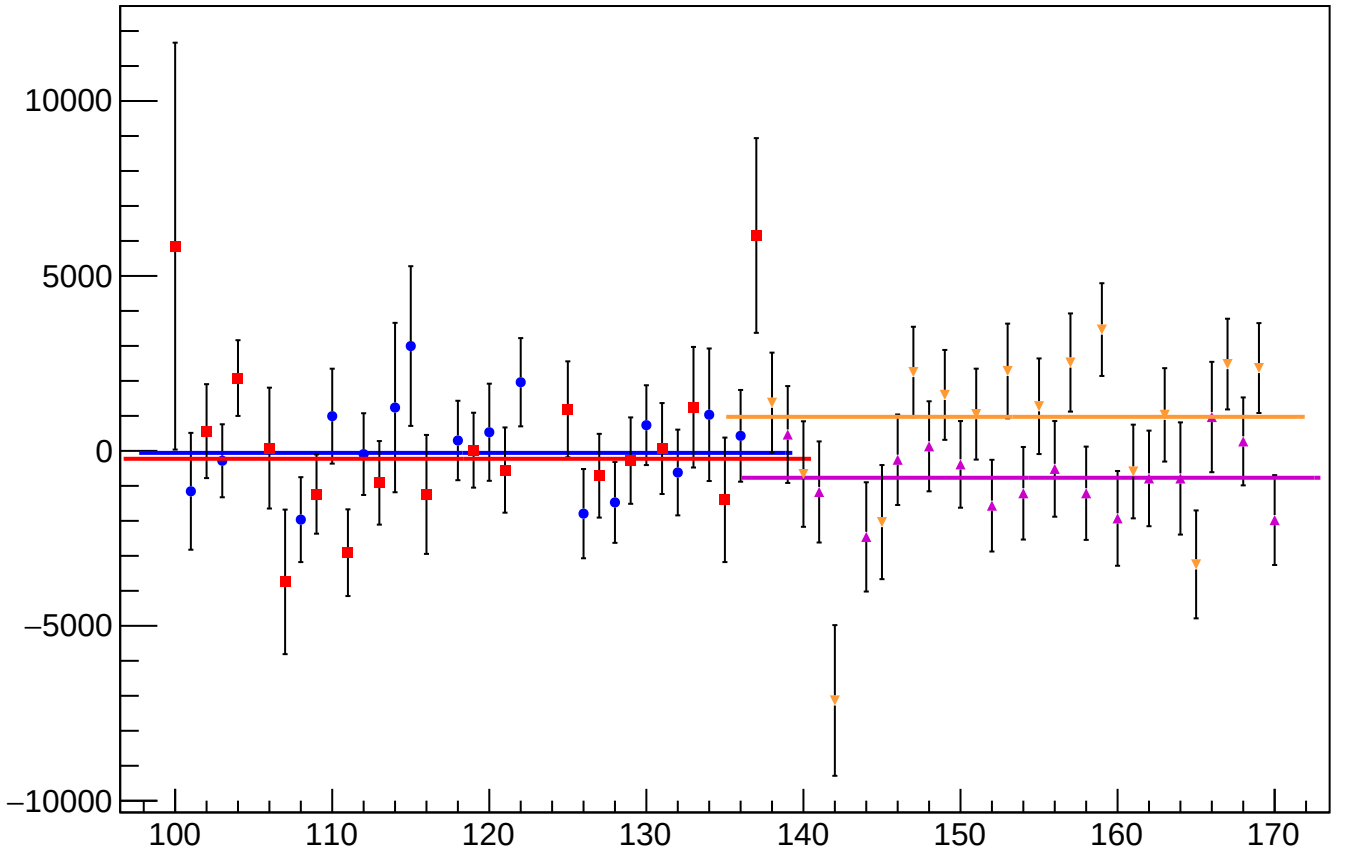
Left: 4021.085+/-0.572 χ^2/NDF: 1764807.6/31

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3189.925+/-0.524 χ^2/NDF:3590957.0/31

Out: 3050.441+/-0.510 χ^2/NDF:3460619.7/33

All: 3118.303+/-0.365 χ^2/NDF: 7087979.2/65



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.445+/-348.911 χ^2/NDF:37.2/15

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -768.427+/-340.444 χ^2/NDF:6.9/15

Left: 81.117+/-243.668 χ^2/NDF: 56.9/31

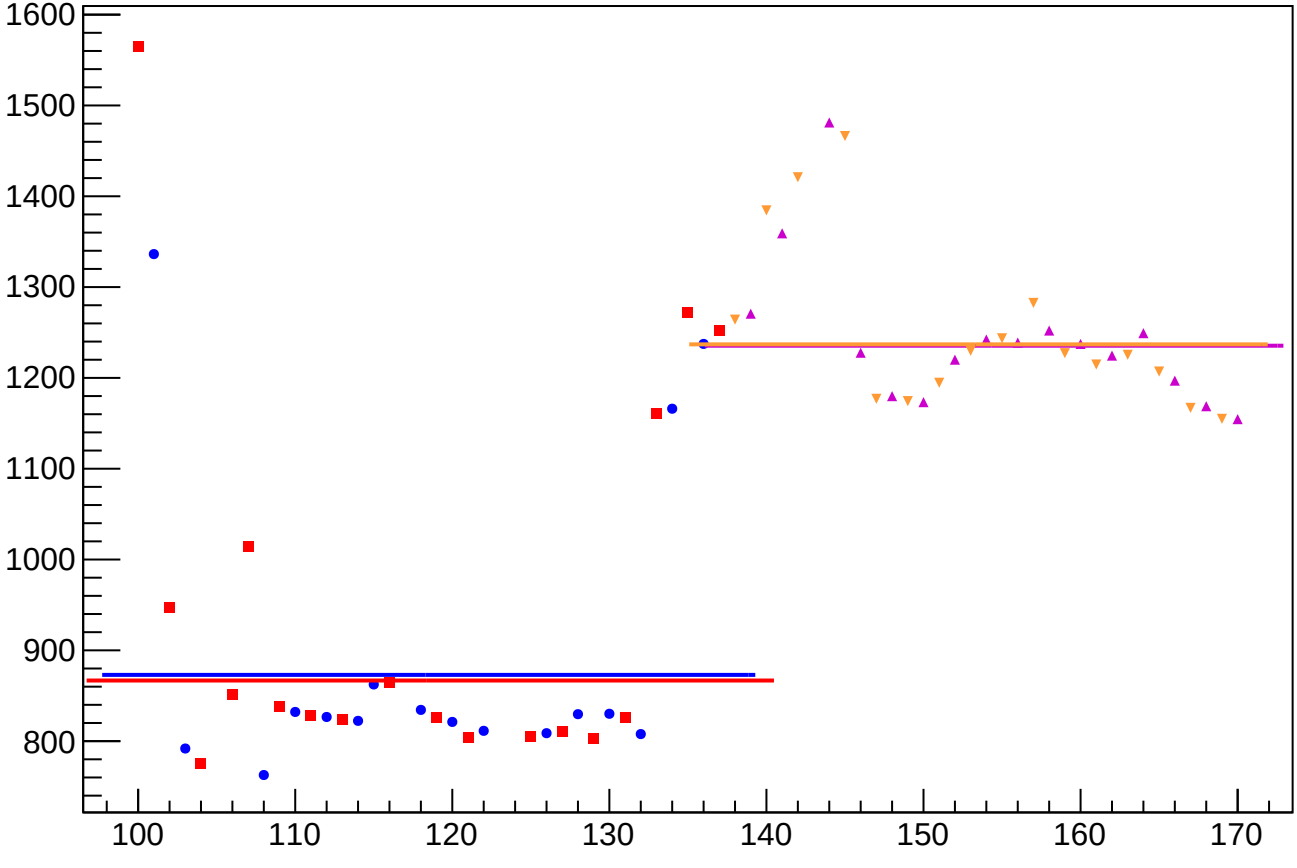
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -401.836+/-236.984 χ^2/NDF:22.2/31

Out: 336.790+/-239.008 χ^2/NDF:66.4/33

All: -35.664+/-168.284 χ^2/NDF: 93.4/65

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1236.942+/-0.247 χ^2/NDF:102952.9/15

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1235.443+/-0.241 χ^2/NDF:90058.5/15

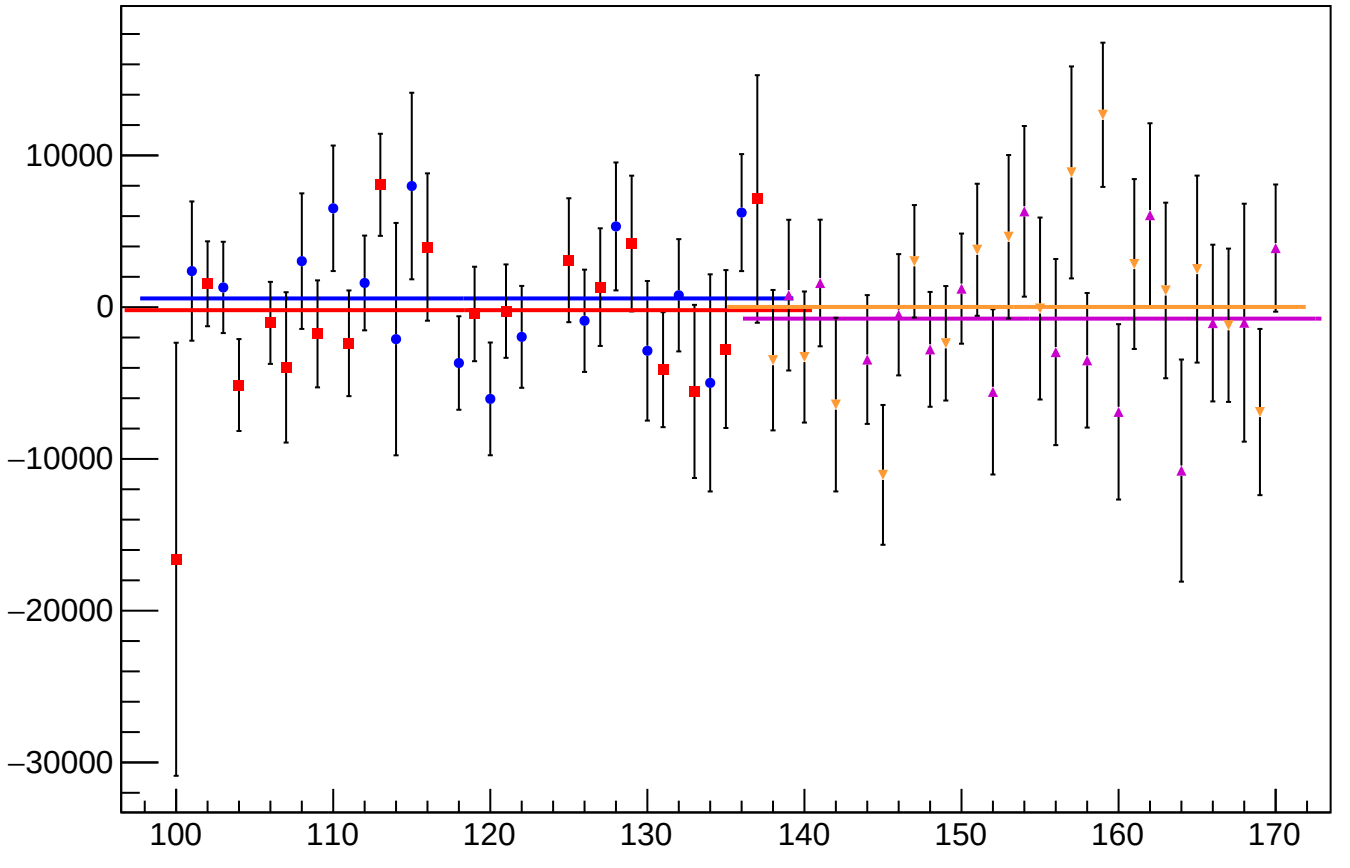
Left: 1236.174+/-0.172 χ^2/NDF: 193030.3/31

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.611+/-0.168 χ^2/NDF:1675758.2/31

Out: 1040.289+/-0.169 χ^2/NDF:1589260.3/33

All: 1044.483+/-0.119 χ^2/NDF: 3266241.7/65



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 14.614+/-1229.367 χ^2/NDF:21.6/15

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -755.481+/-1202.627 χ^2/NDF:9.8/15

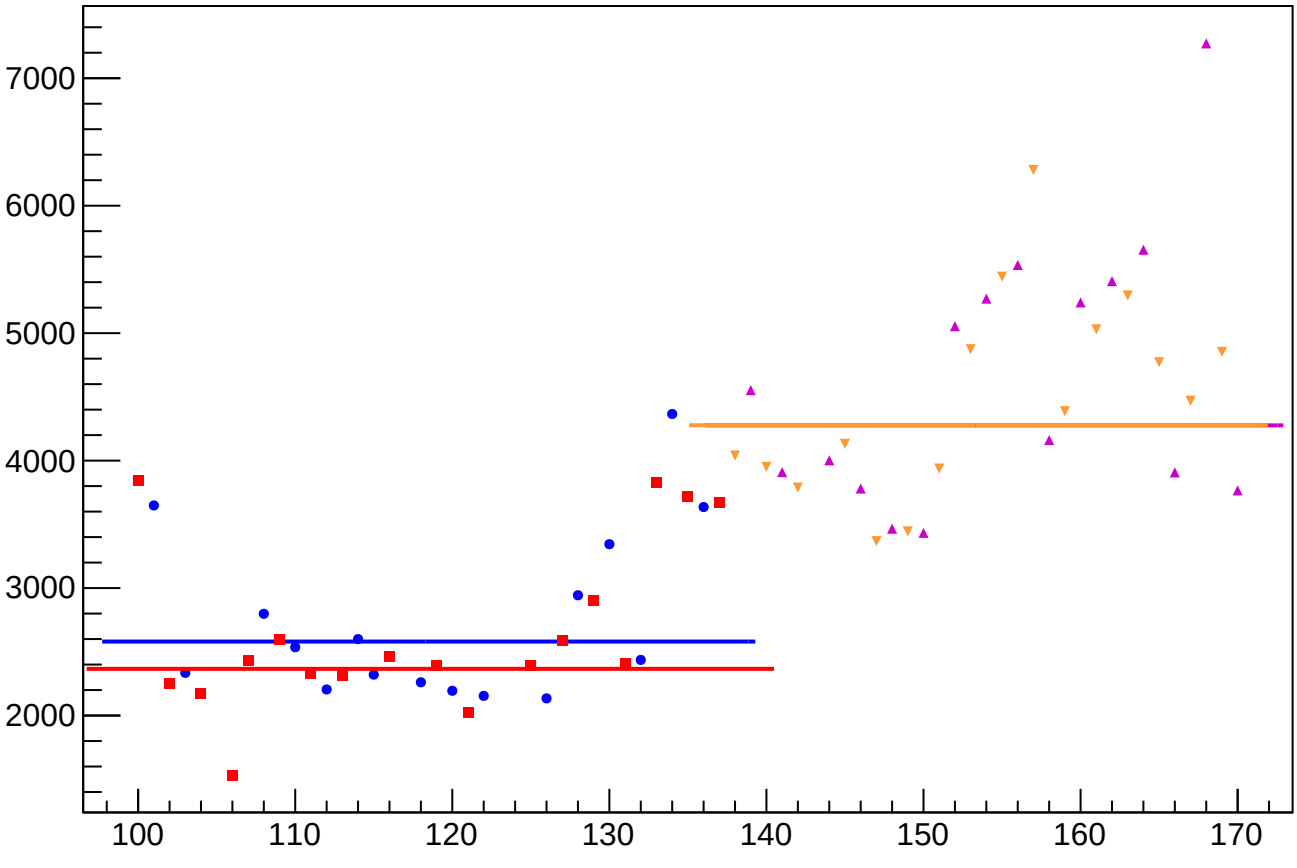
Left: -378.900+/-859.684 χ^2/NDF: 31.6/31

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 41.055+/-761.975 χ^2/NDF:25.2/31

Out: -124.413+/-723.098 χ^2/NDF:38.8/33

All: -46.008+/-524.513 χ^2/NDF: 64.0/65



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4277.468+/-0.869 χ^2/NDF:665041.7/15

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4276.509+/-0.850 χ^2/NDF:978202.2/15

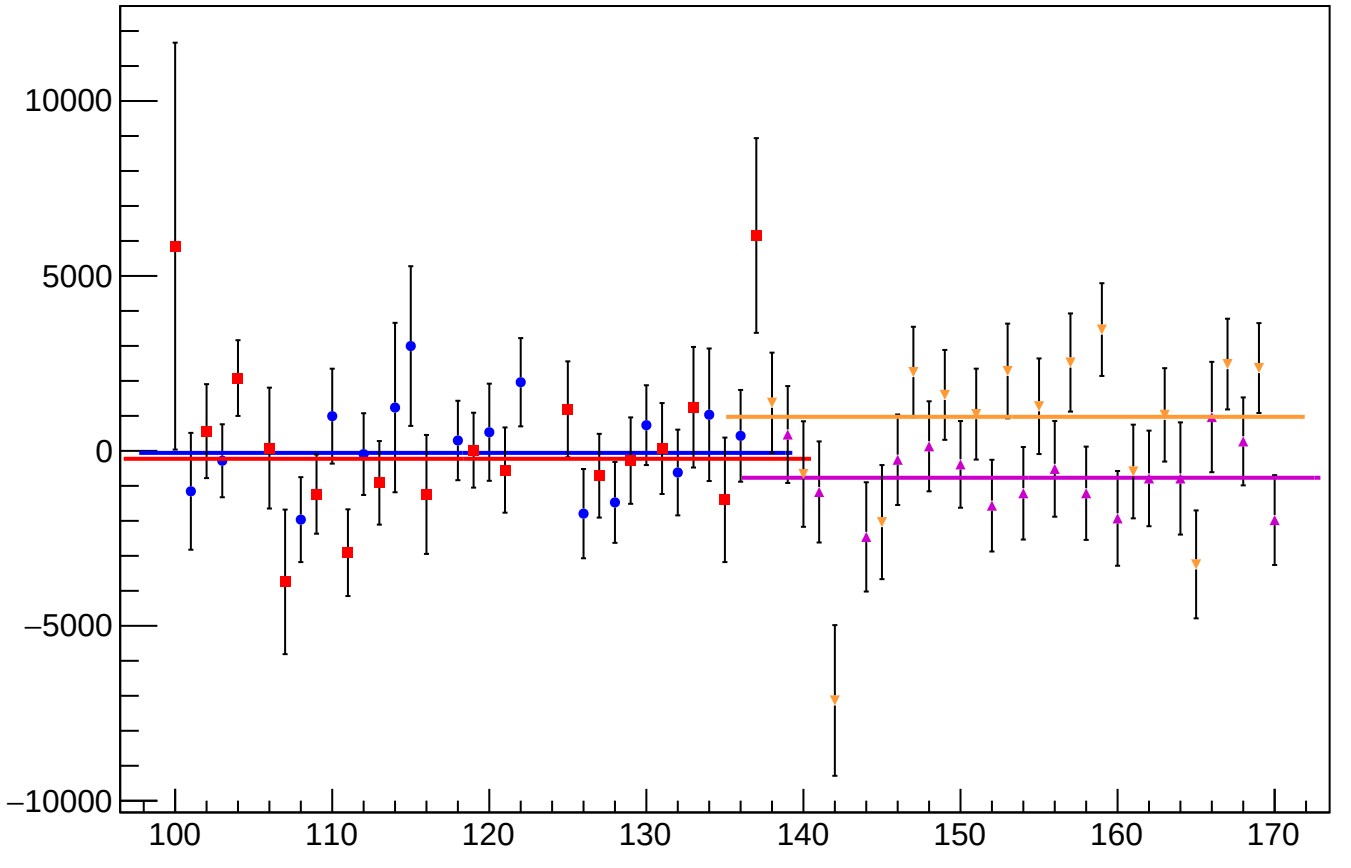
Left: 4276.978+/-0.608 χ^2/NDF: 1643244.5/31

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3261.271+/-0.539 χ^2/NDF:3976557.2/31

Out: 3027.569+/-0.511 χ^2/NDF:4437669.3/33

All: 3138.306+/-0.371 χ^2/NDF: 8513216.4/65



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.447+/-348.911 χ^2/NDF:37.2/15

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -768.427+/-340.444 χ^2/NDF:6.9/15

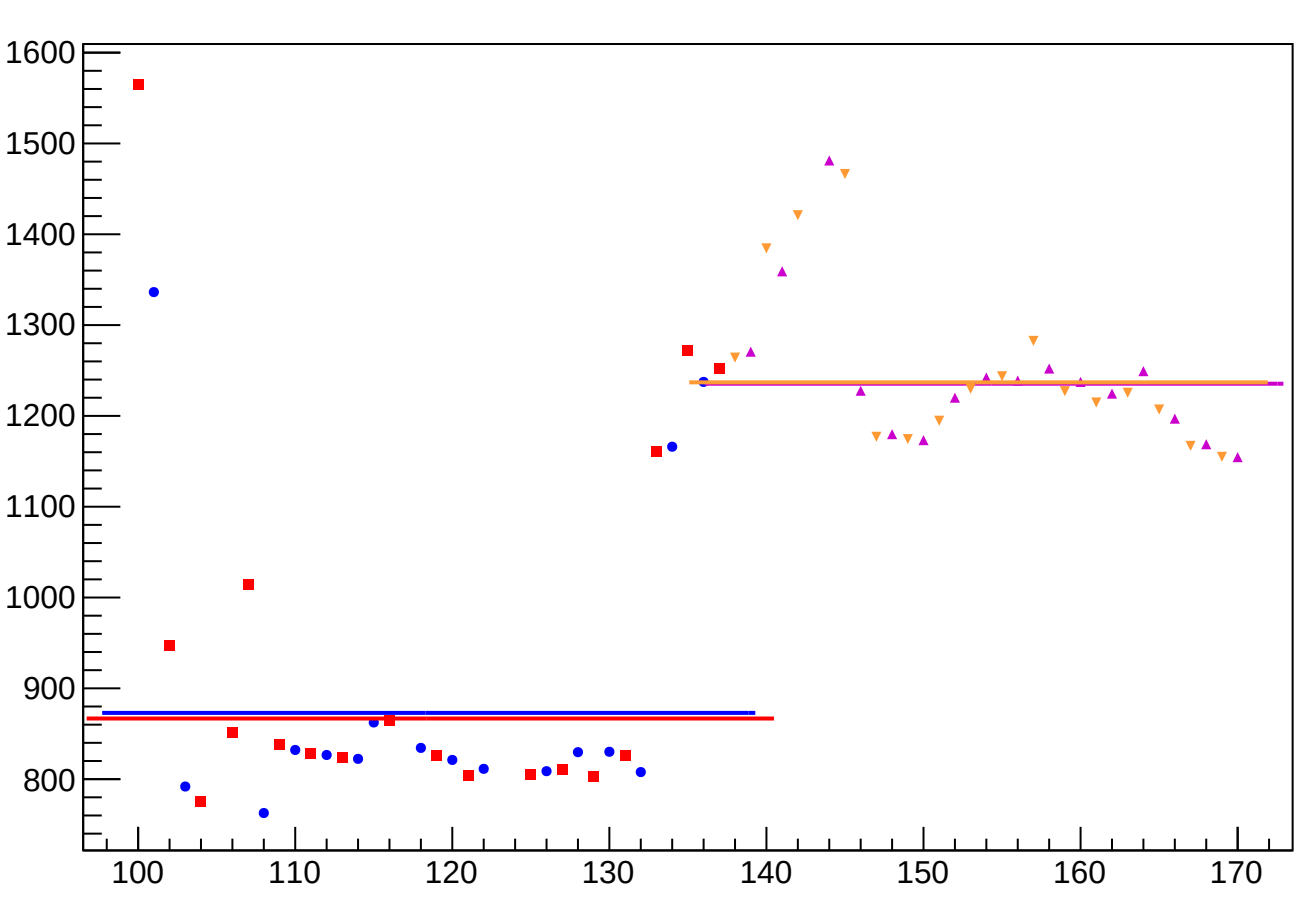
Left: 81.118+/-243.669 χ^2/NDF: 56.9/31

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -401.837+/-236.984 χ^2/NDF:22.2/31

Out: 336.789+/-239.008 χ^2/NDF:66.4/33

All: -35.665+/-168.284 χ^2/NDF: 93.4/65



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1236.943+/-0.247 χ^2/NDF:102954.7/15

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1235.444+/-0.241 χ^2/NDF:90059.5/15

Left: 1236.175+/-0.172 χ^2/NDF: 193033.2/31

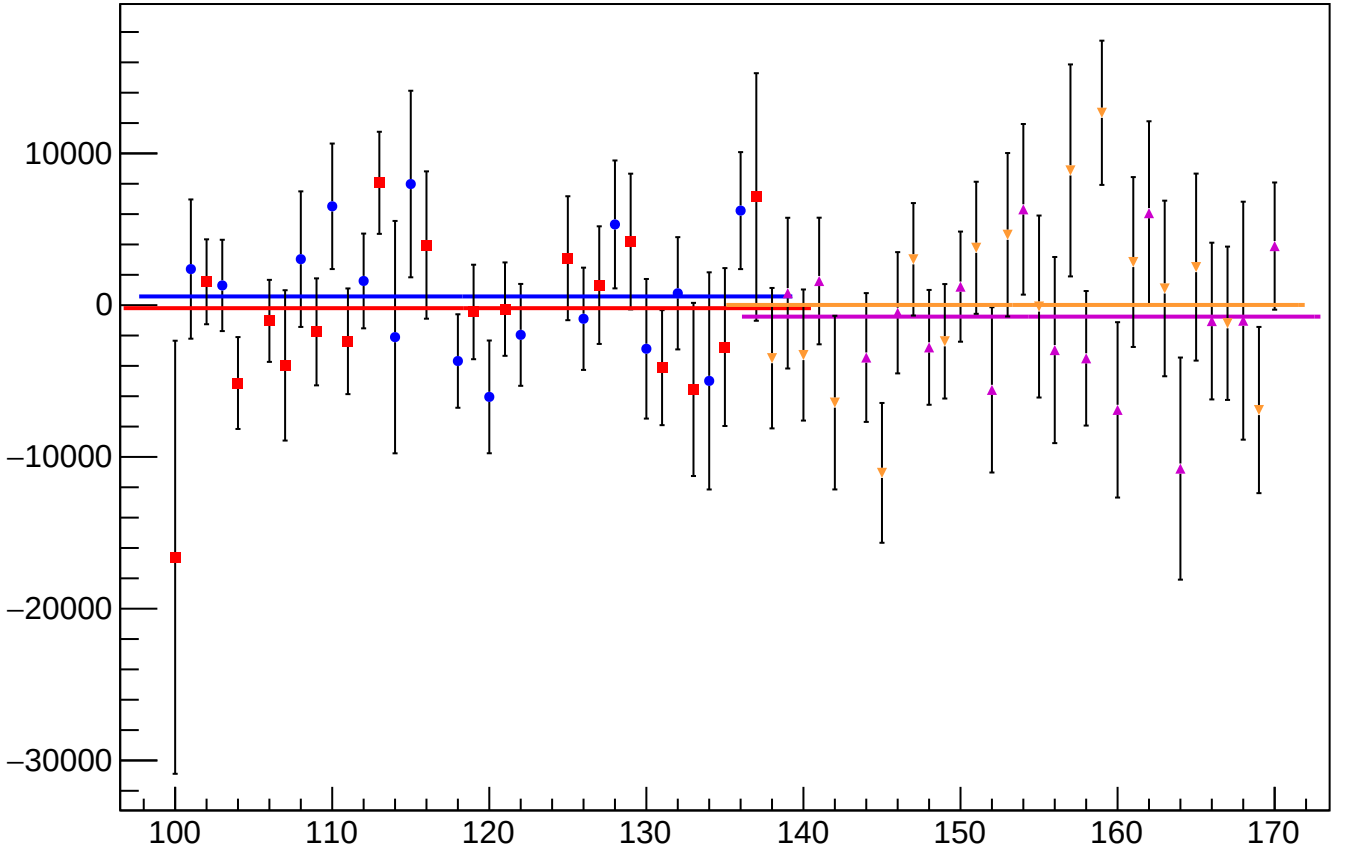
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.611+/-0.168 χ^2/NDF:1675765.3/31

Out: 1040.289+/-0.169 χ^2/NDF:1589268.7/33

All: 1044.483+/-0.119 χ^2/NDF: 3266257.3/65

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: 14.615+/-1229.368 χ^2/NDF:21.6/15

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -755.480+/-1202.628 χ^2/NDF:9.8/15

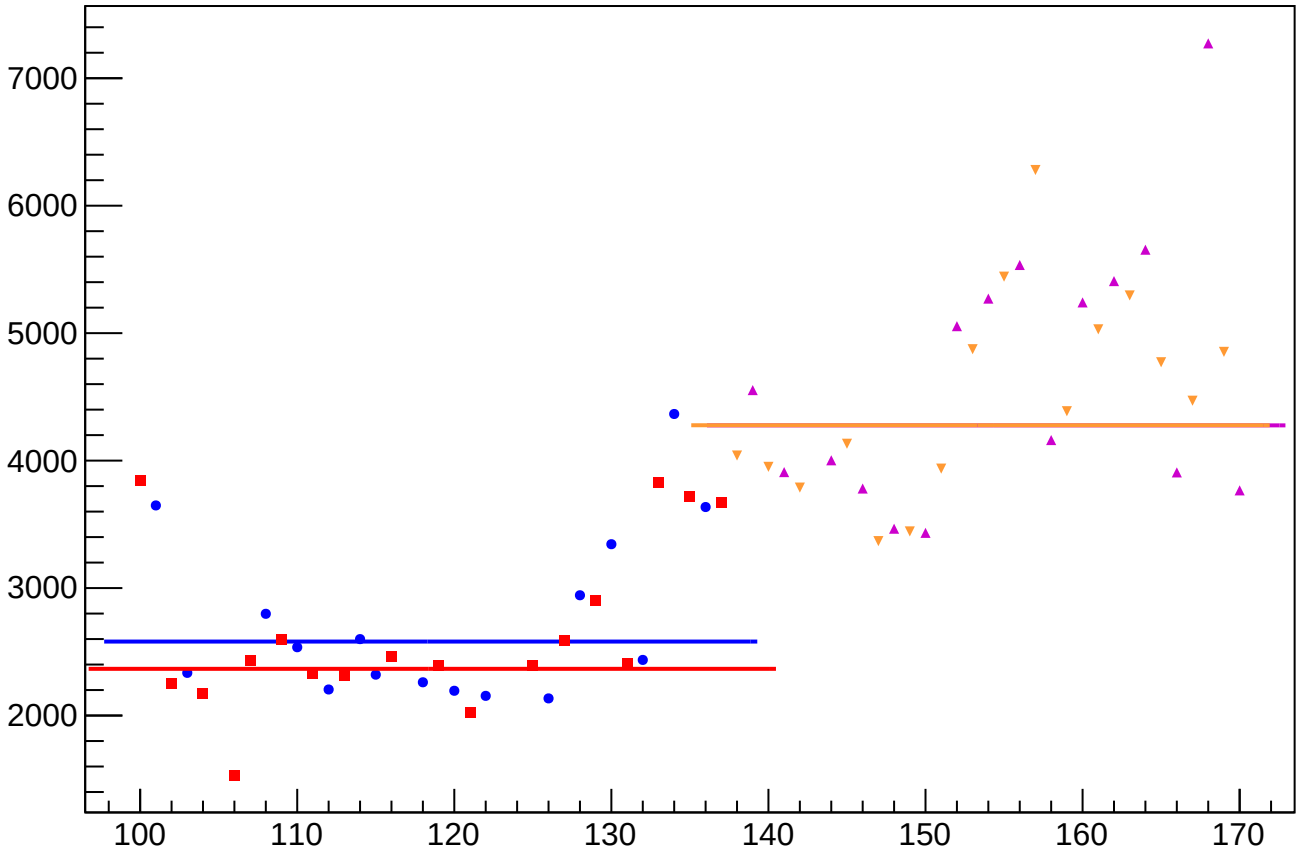
Left: -378.899+/-859.685 χ^2/NDF: 31.6/31

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 41.055+/-761.974 χ^2/NDF:25.2/31

Out: -124.414+/-723.097 χ^2/NDF:38.8/33

All: -46.008+/-524.512 χ^2/NDF: 64.0/65



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4277.474+/-0.869 χ^2/NDF:665044.5/15

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4276.514+/-0.850 χ^2/NDF:978206.6/15

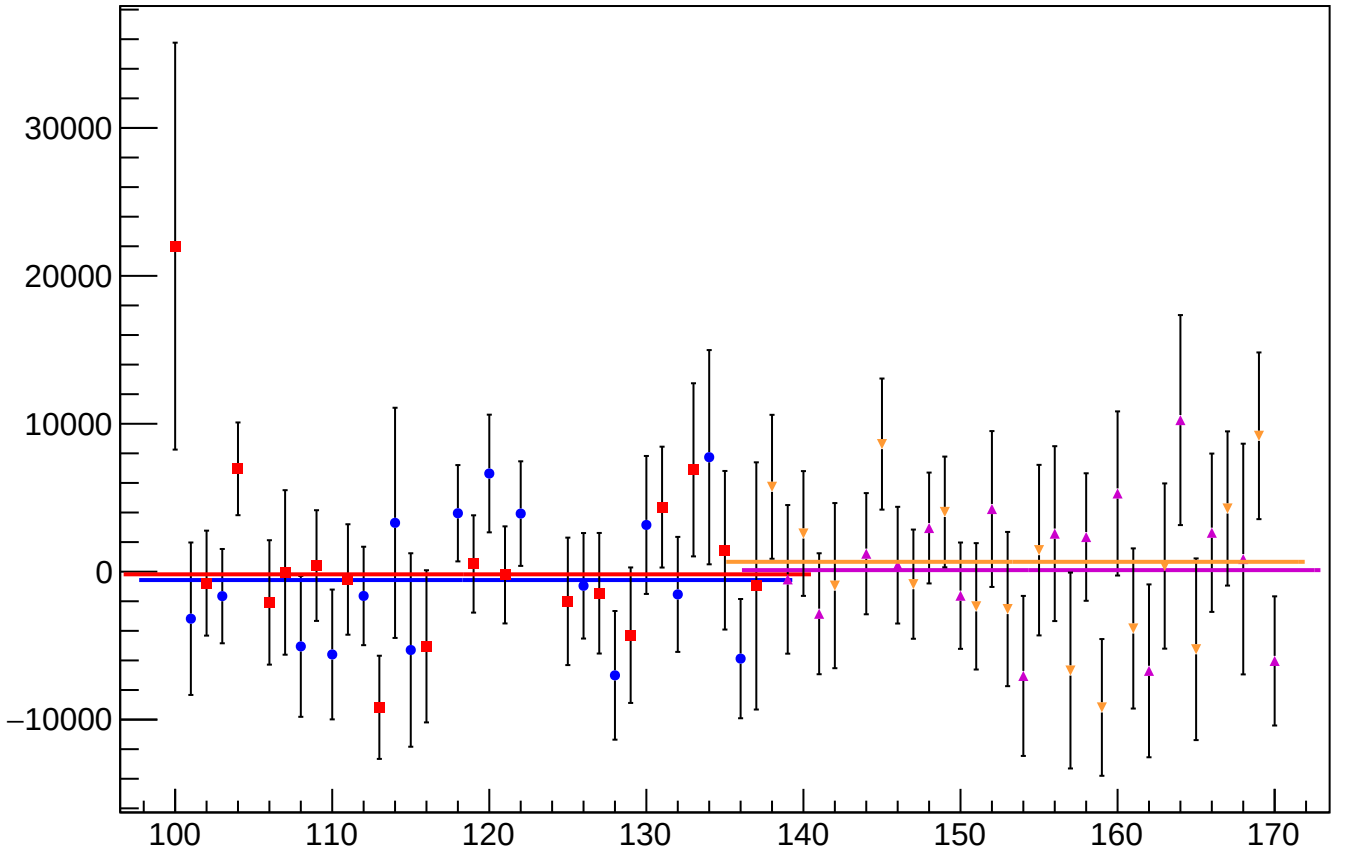
Left: 4276.983+/-0.608 χ^2/NDF: 1643251.7/31

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3261.265+/-0.539 χ^2/NDF:3976608.9/31

Out: 3027.563+/-0.511 χ^2/NDF:4437718.1/33

All: 3138.300+/-0.371 χ^2/NDF: 8513316.7/65



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 666.670+/-1214.082 χ^2/NDF:16.6/15

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 105.133+/-1186.888 χ^2/NDF:10.7/15

Left: 379.542+/-848.708 χ^2/NDF: 27.4/31

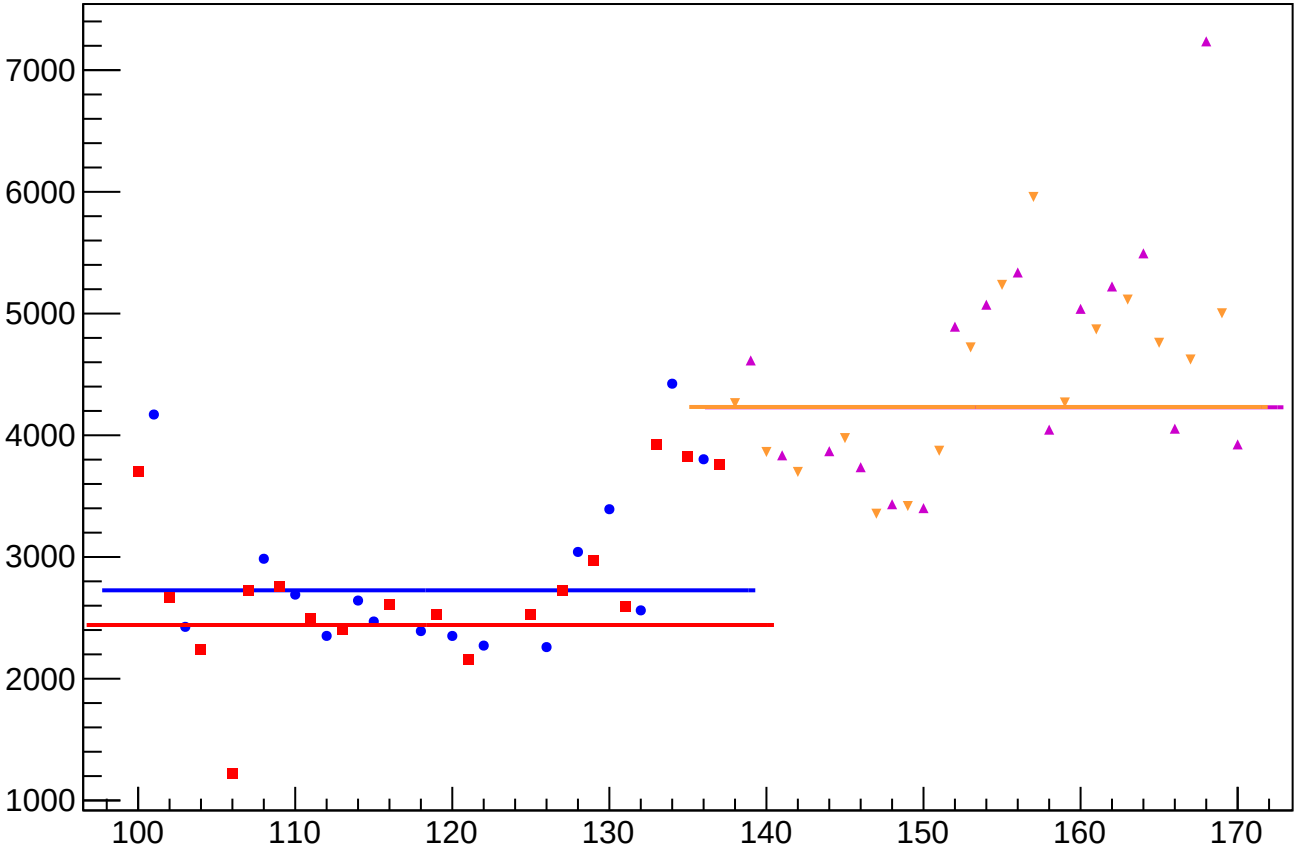
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -274.465+/-782.332 χ^2/NDF:27.1/31

Out: 158.328+/-766.502 χ^2/NDF:36.4/33

All: -53.646+/-547.510 χ^2/NDF: 63.7/65

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4232.593+/-0.858 χ^2/NDF:616950.6/15

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4230.009+/-0.839 χ^2/NDF:900338.4/15

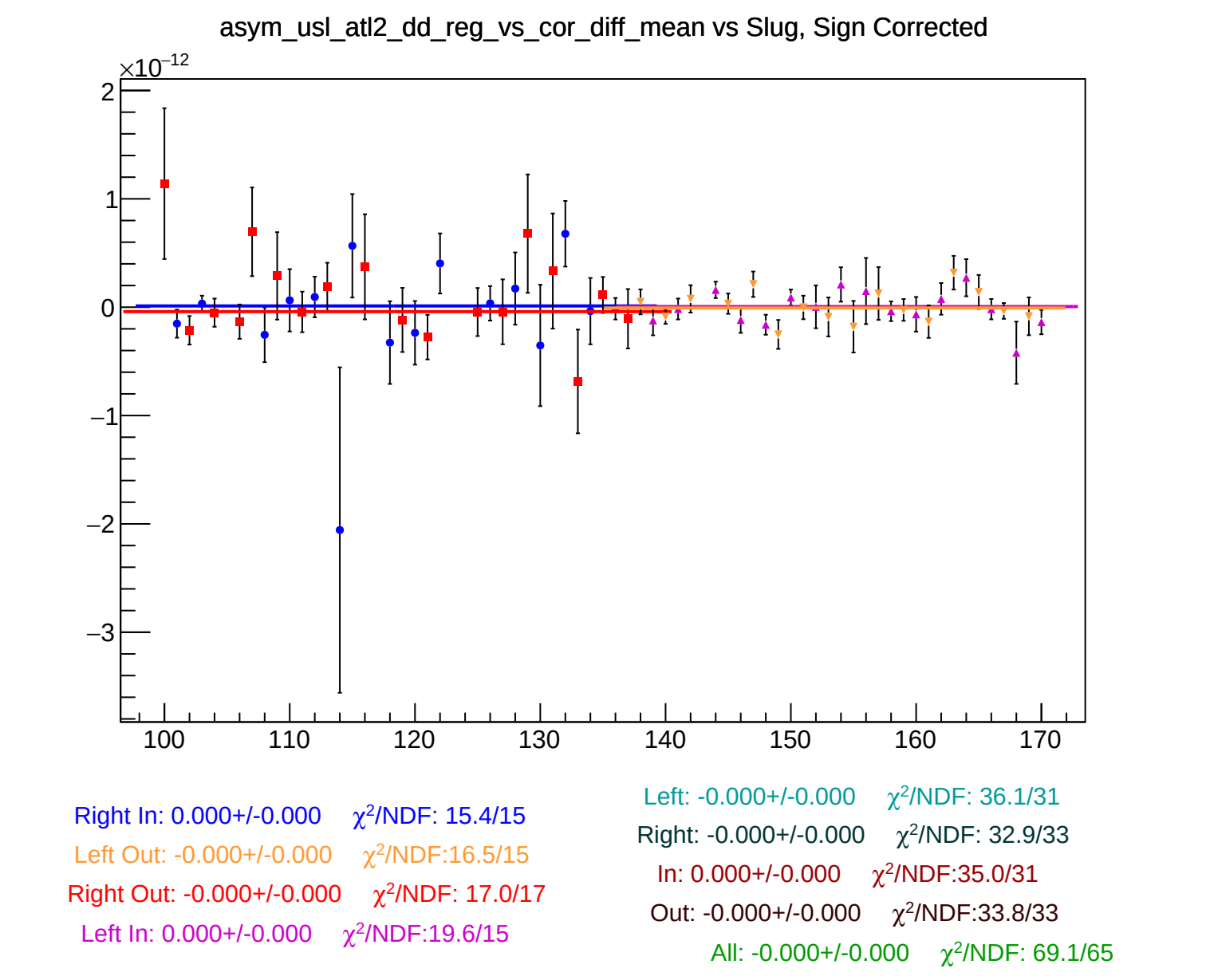
Left: 4231.272+/-0.600 χ^2/NDF: 1517293.7/31

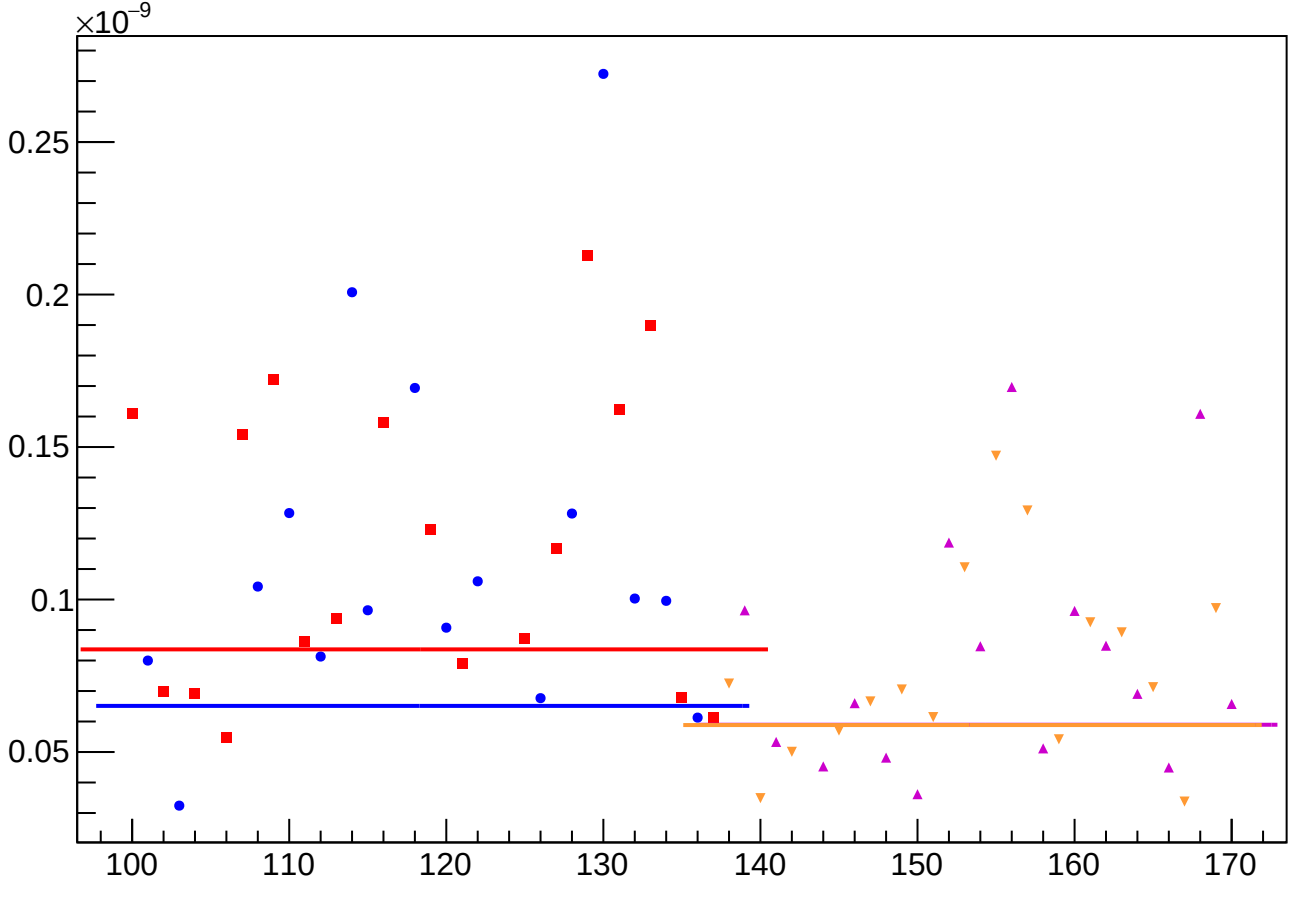
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3379.581+/-0.553 χ^2/NDF:3339066.8/31

Out: 3115.549+/-0.527 χ^2/NDF:4222997.5/33

All: 3241.087+/-0.381 χ^2/NDF: 7681556.0/65


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:16.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.6/15
Left: -0.000+/-0.000 χ²/NDF: 36.1/31
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:35.0/31
Out: -0.000+/-0.000 χ²/NDF:33.8/33
All: -0.000+/-0.000 χ²/NDF: 69.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1457220.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1445165.3/15

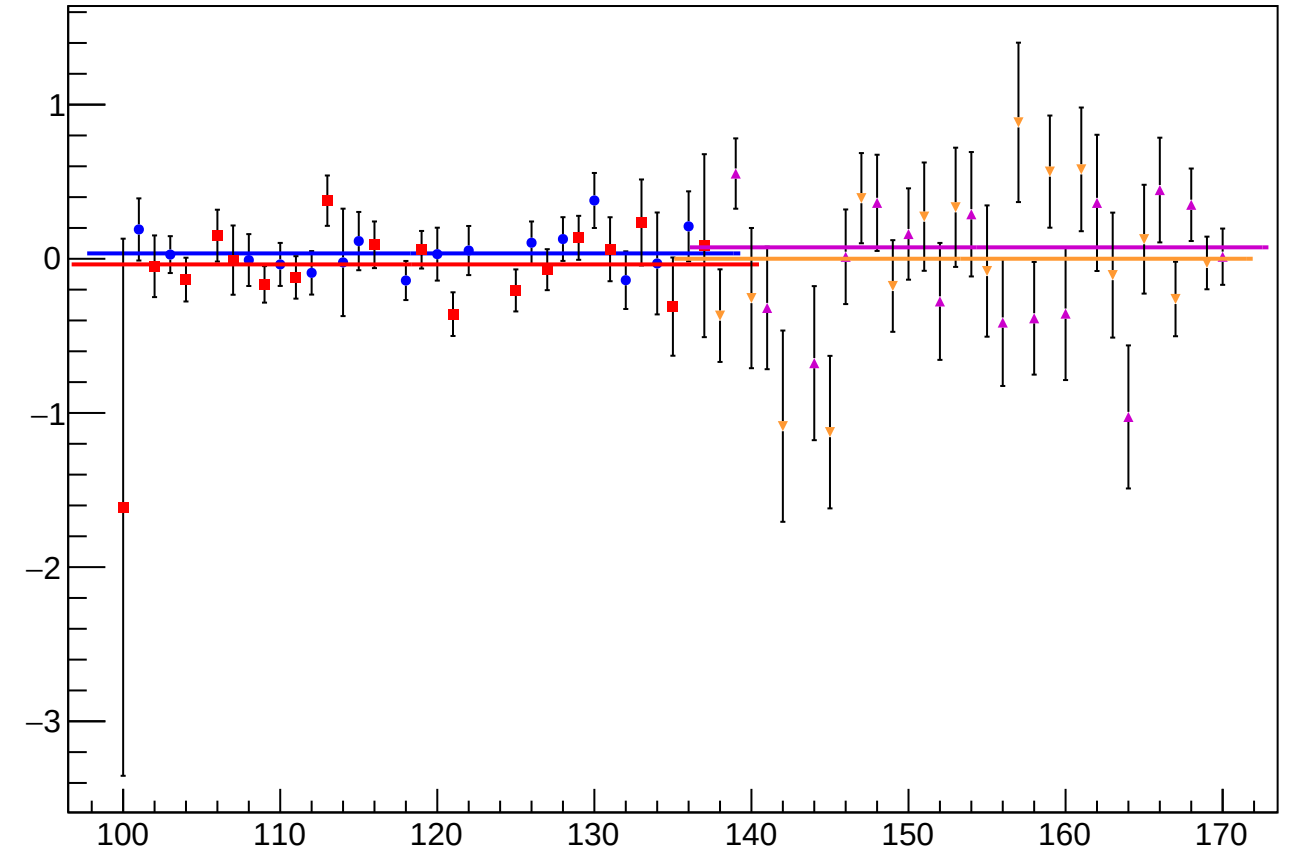
Left: 0.000+/-0.000 χ^2/NDF: 2902396.9/31

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2695547.2/31

Out: 0.000+/-0.000 χ^2/NDF:2483553.9/33

All: 0.000+/-0.000 χ^2/NDF: 5201557.1/65



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.000+/-0.082 χ^2/NDF:22.4/15

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.039+/-0.057 χ^2/NDF: 45.3/31

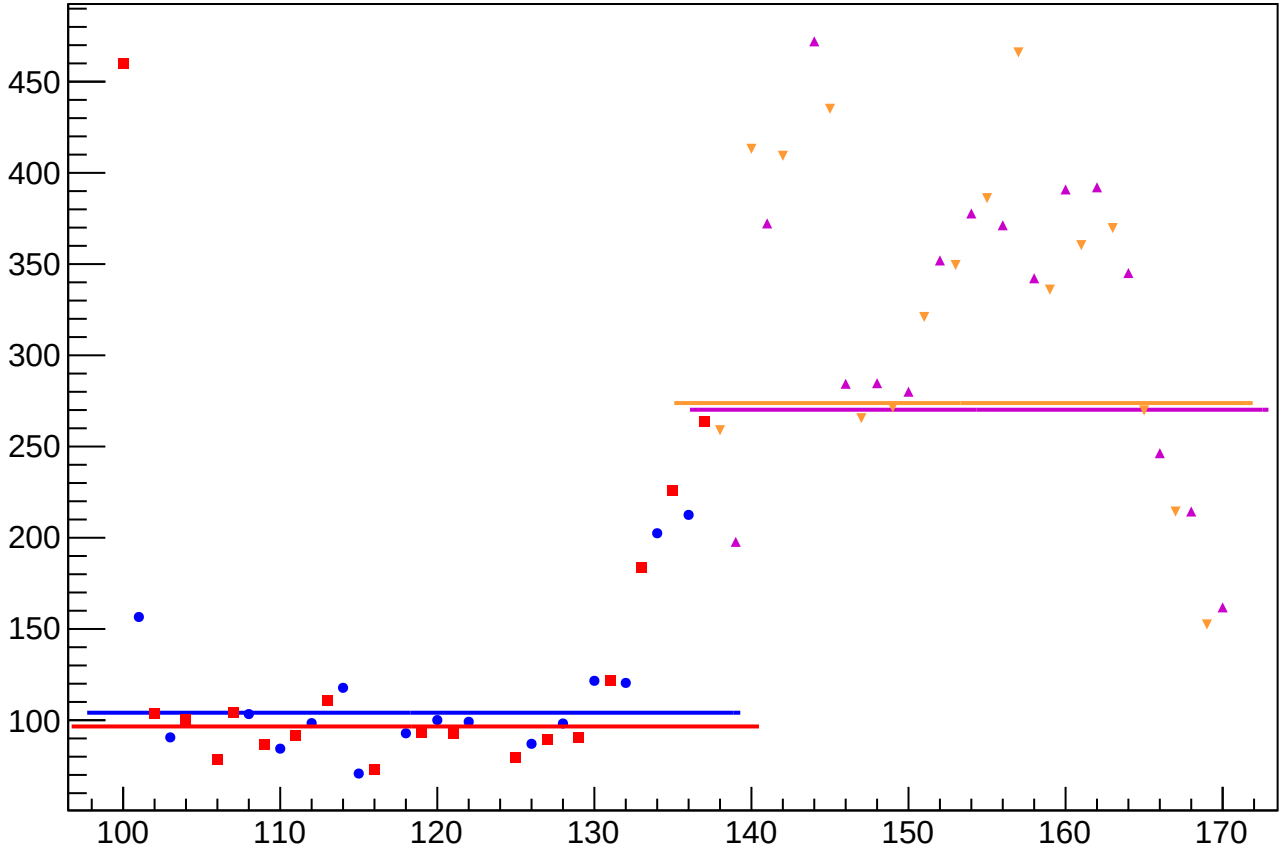
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.030+/-0.035 χ^2/NDF:44.6/33

All: 0.006+/-0.025 χ^2/NDF: 79.1/65

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 273.831+/-0.058 χ^2/NDF:2425826.0/15

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 270.171+/-0.056 χ^2/NDF:2293304.8/15

Left: 271.934+/-0.040 χ^2/NDF: 4721199.4/31

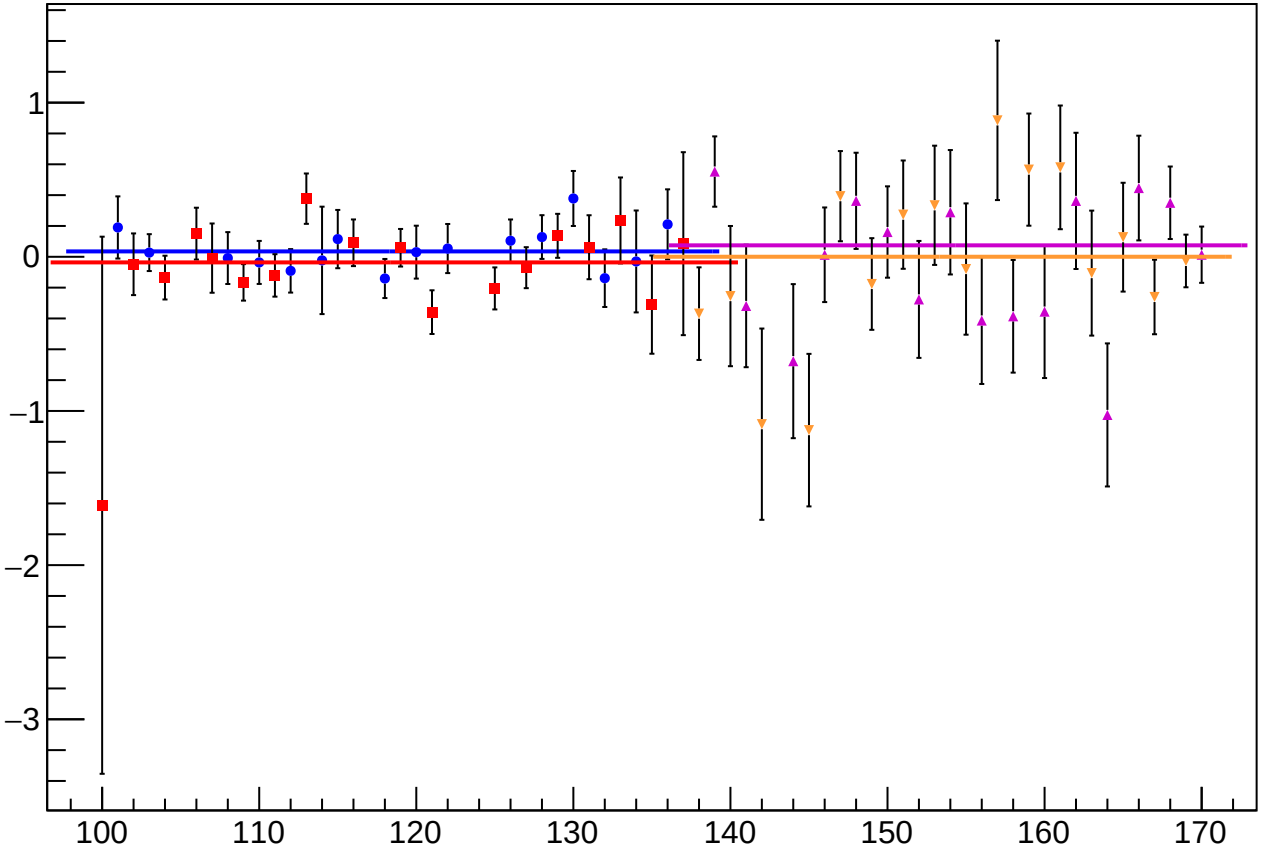
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 139.384+/-0.026 χ^2/NDF:10244579.2/31

Out: 129.177+/-0.025 χ^2/NDF:11021006.4/33

All: 134.099+/-0.018 χ^2/NDF: 21346963.6/65

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.000+/-0.082 χ^2/NDF:22.4/15

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.039+/-0.057 χ^2/NDF: 45.3/31

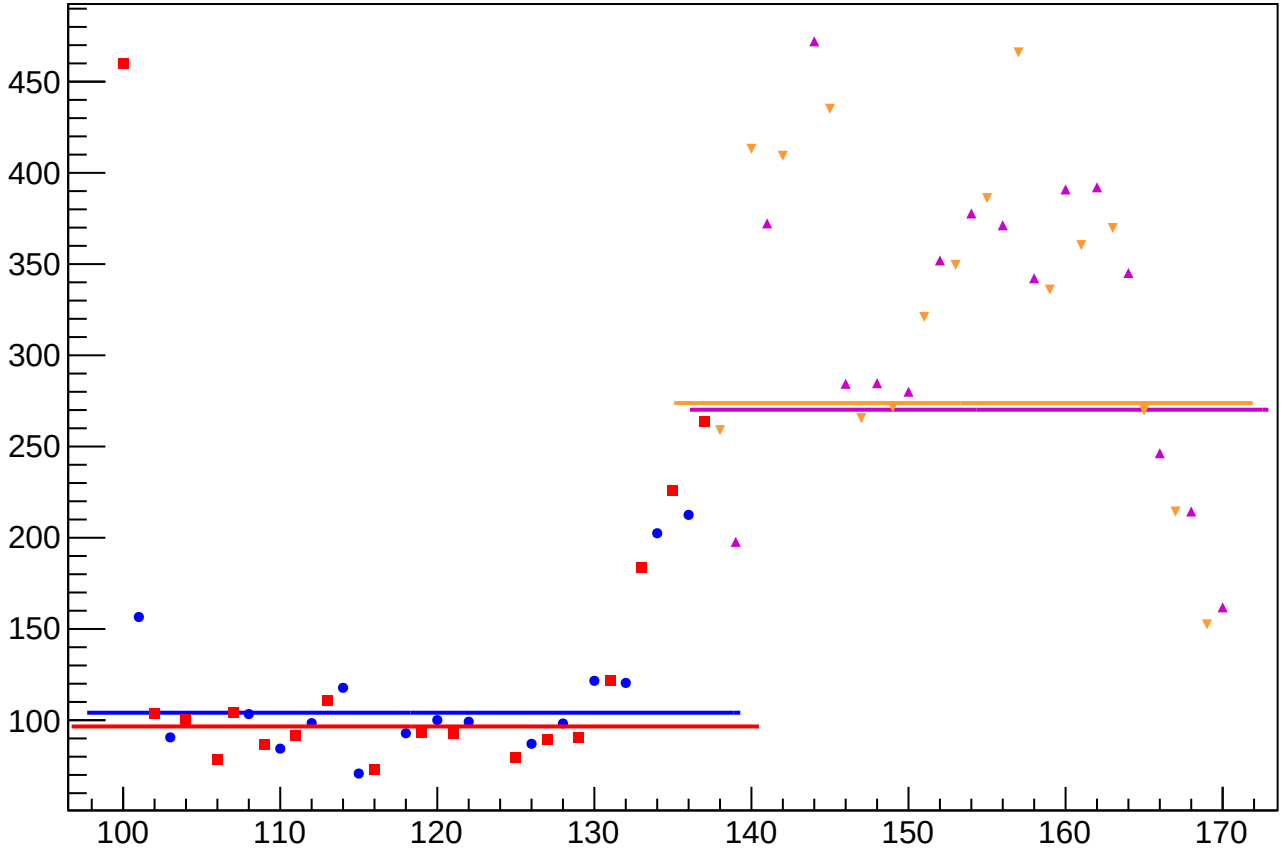
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.030+/-0.035 χ^2/NDF:44.6/33

All: 0.006+/-0.025 χ^2/NDF: 79.1/65

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: 273.831+/-0.058 χ^2/NDF:2425826.0/15

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 270.171+/-0.056 χ^2/NDF:2293304.8/15

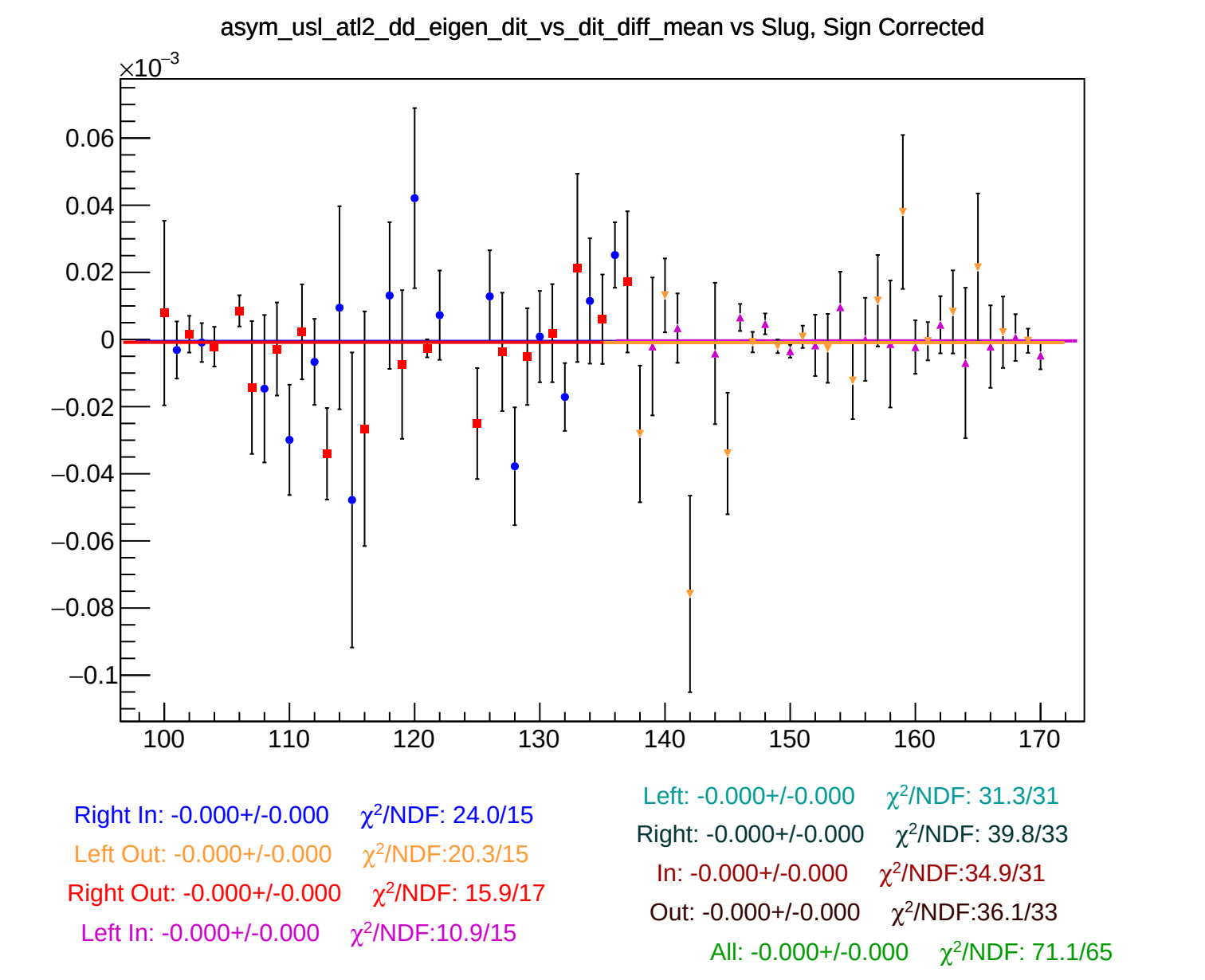
Left: 271.934+/-0.040 χ^2/NDF: 4721199.4/31

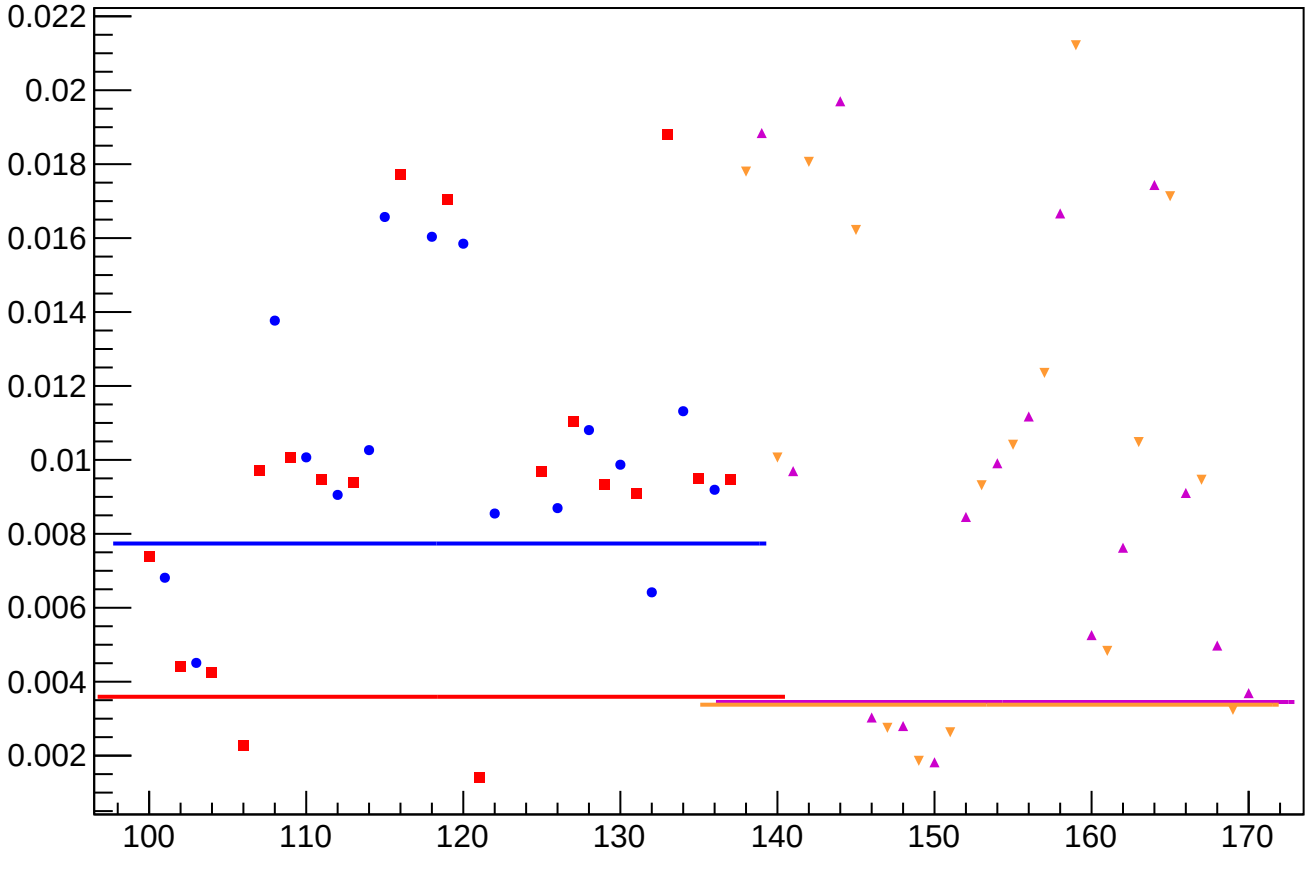
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 139.384+/-0.026 χ^2/NDF:10244579.2/31

Out: 129.177+/-0.025 χ^2/NDF:11021006.4/33

All: 134.099+/-0.018 χ^2/NDF: 21346963.6/65


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:20.3/15
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:10.9/15
Left: -0.000+/-0.000 χ²/NDF: 31.3/31
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:34.9/31
Out: -0.000+/-0.000 χ²/NDF:36.1/33
All: -0.000+/-0.000 χ²/NDF: 71.1/65



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10273487.0/15

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9582773.4/15

Left: 0.003+/-0.000 χ^2/NDF: 19859421.2/31

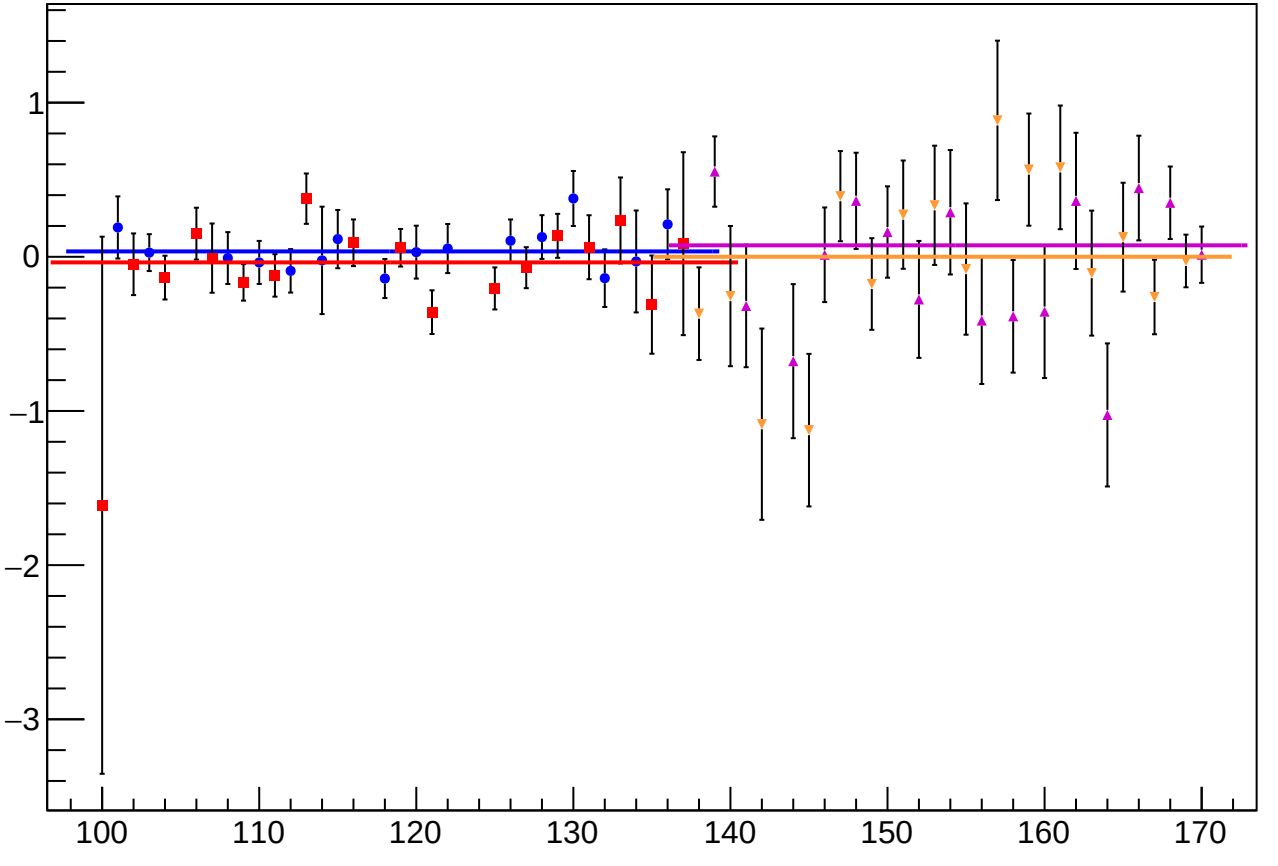
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14521826.4/31

Out: 0.003+/-0.000 χ^2/NDF:16656553.6/33

All: 0.004+/-0.000 χ^2/NDF: 31494762.3/65

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.000+/-0.082 χ^2/NDF:22.4/15

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.039+/-0.057 χ^2/NDF: 45.3/31

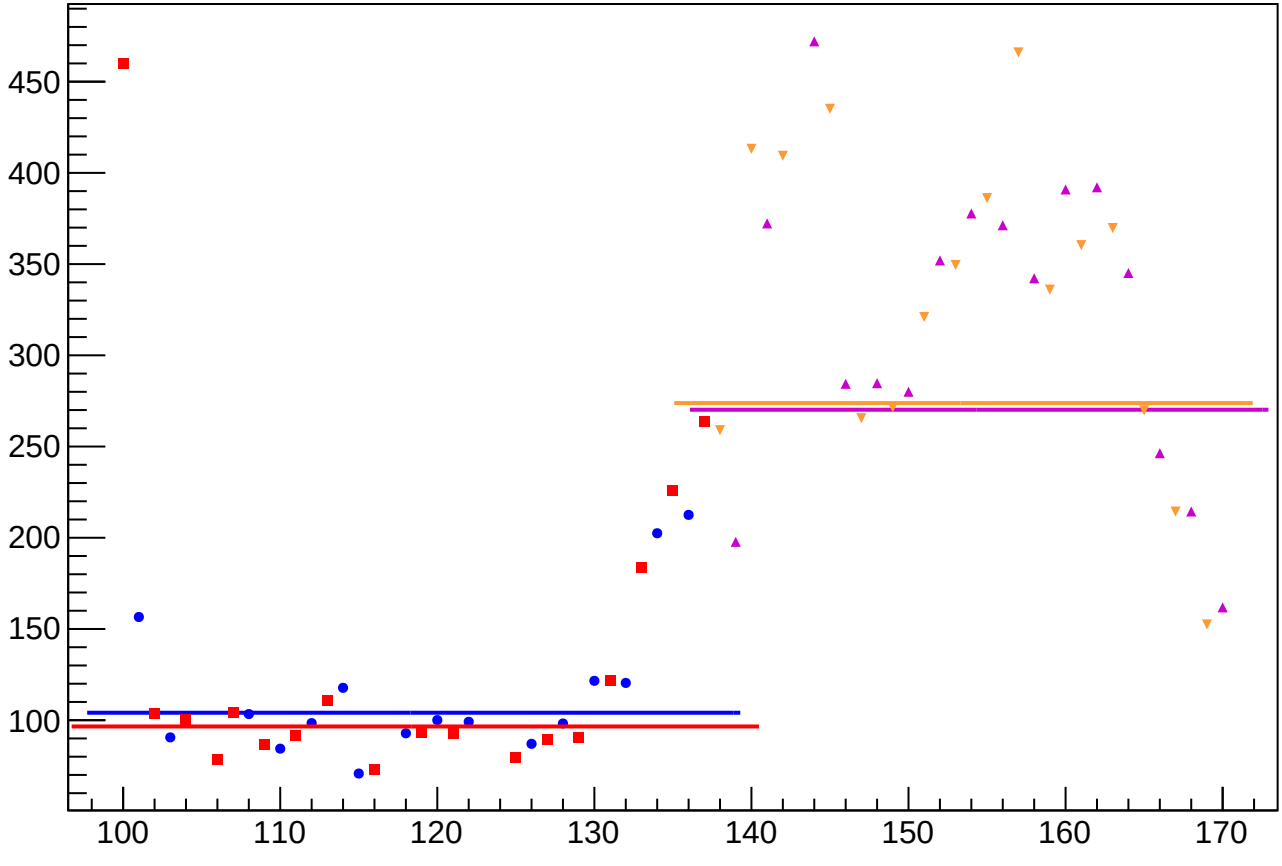
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.030+/-0.035 χ^2/NDF:44.6/33

All: 0.006+/-0.025 χ^2/NDF: 79.1/65

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 273.833+/-0.058 χ^2/NDF:2425913.7/15

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 270.174+/-0.056 χ^2/NDF:2293315.0/15

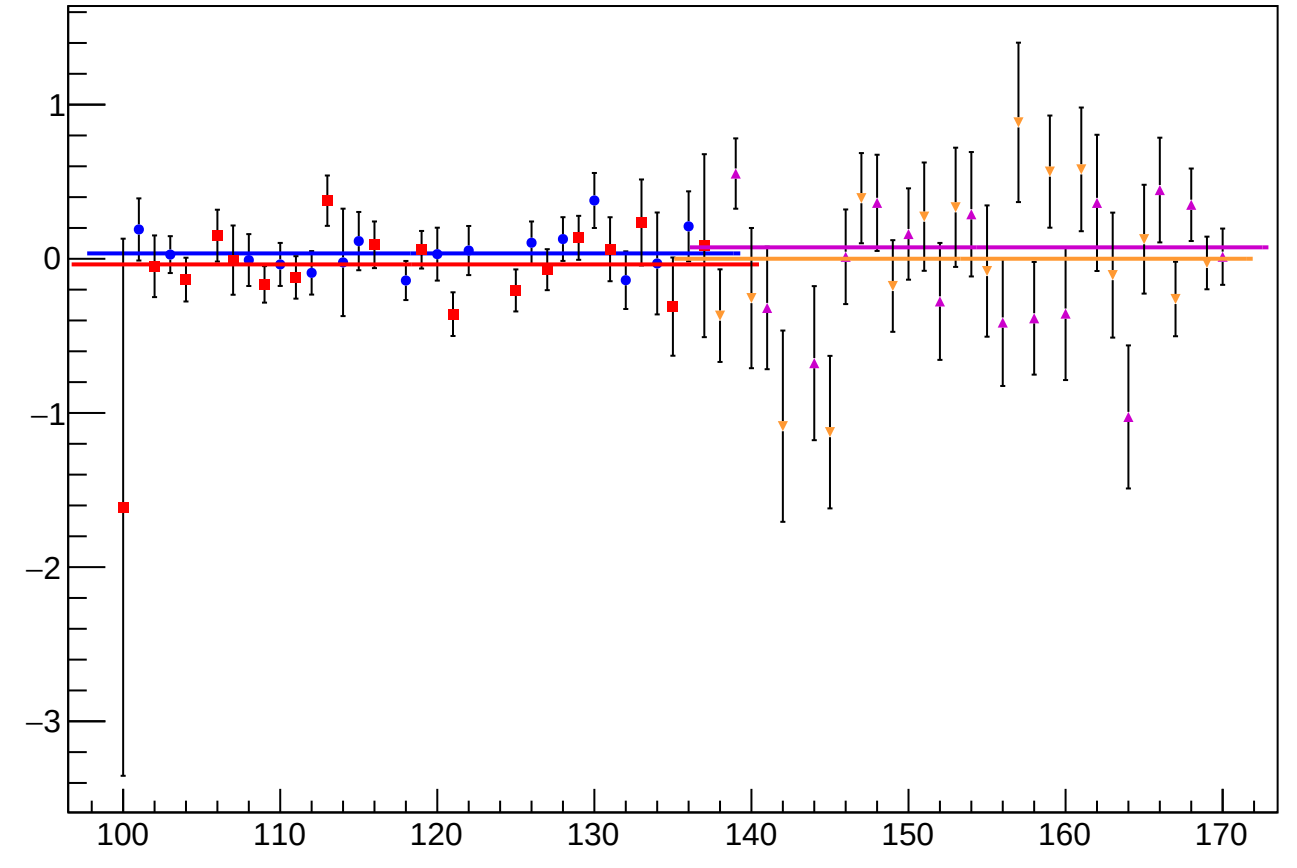
Left: 271.937+/-0.040 χ^2/NDF: 4721295.6/31

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 139.385+/-0.026 χ^2/NDF:10244610.0/31

Out: 129.178+/-0.025 χ^2/NDF:11020955.1/33

All: 134.100+/-0.018 χ^2/NDF: 21346935.2/65



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.000+/-0.082 χ^2/NDF:22.4/15

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.074+/-0.079 χ^2/NDF:22.5/15

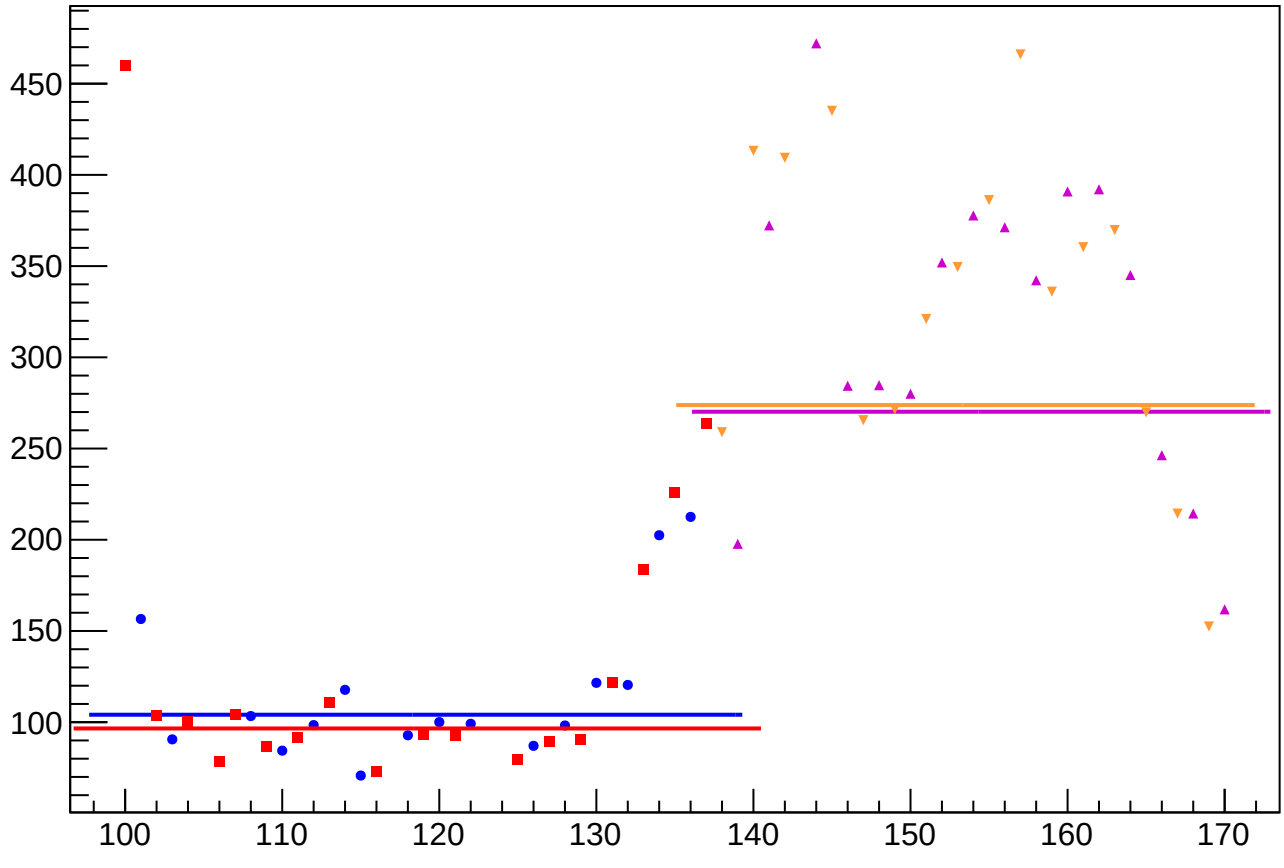
Left: 0.039+/-0.057 χ^2/NDF: 45.3/31

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.030+/-0.035 χ^2/NDF:44.6/33

All: 0.006+/-0.025 χ^2/NDF: 79.1/65



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 273.833+/-0.058 χ^2/NDF:2425913.7/15

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 270.174+/-0.056 χ^2/NDF:2293315.0/15

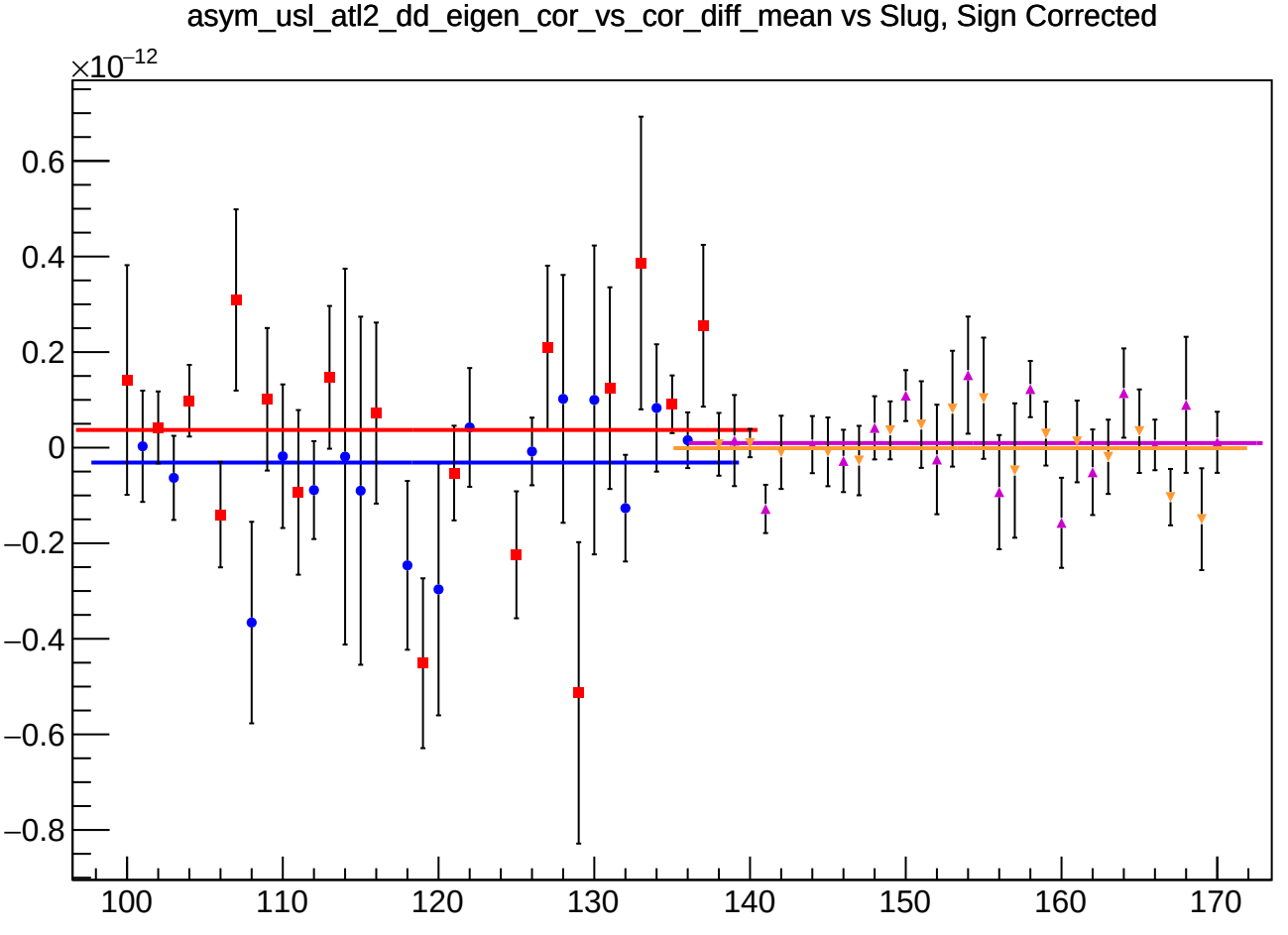
Left: 271.937+/-0.040 χ^2/NDF: 4721295.6/31

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 139.385+/-0.026 χ^2/NDF:10244610.0/31

Out: 129.178+/-0.025 χ^2/NDF:11020955.1/33

All: 134.100+/-0.018 χ^2/NDF: 21346935.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:22.5/15

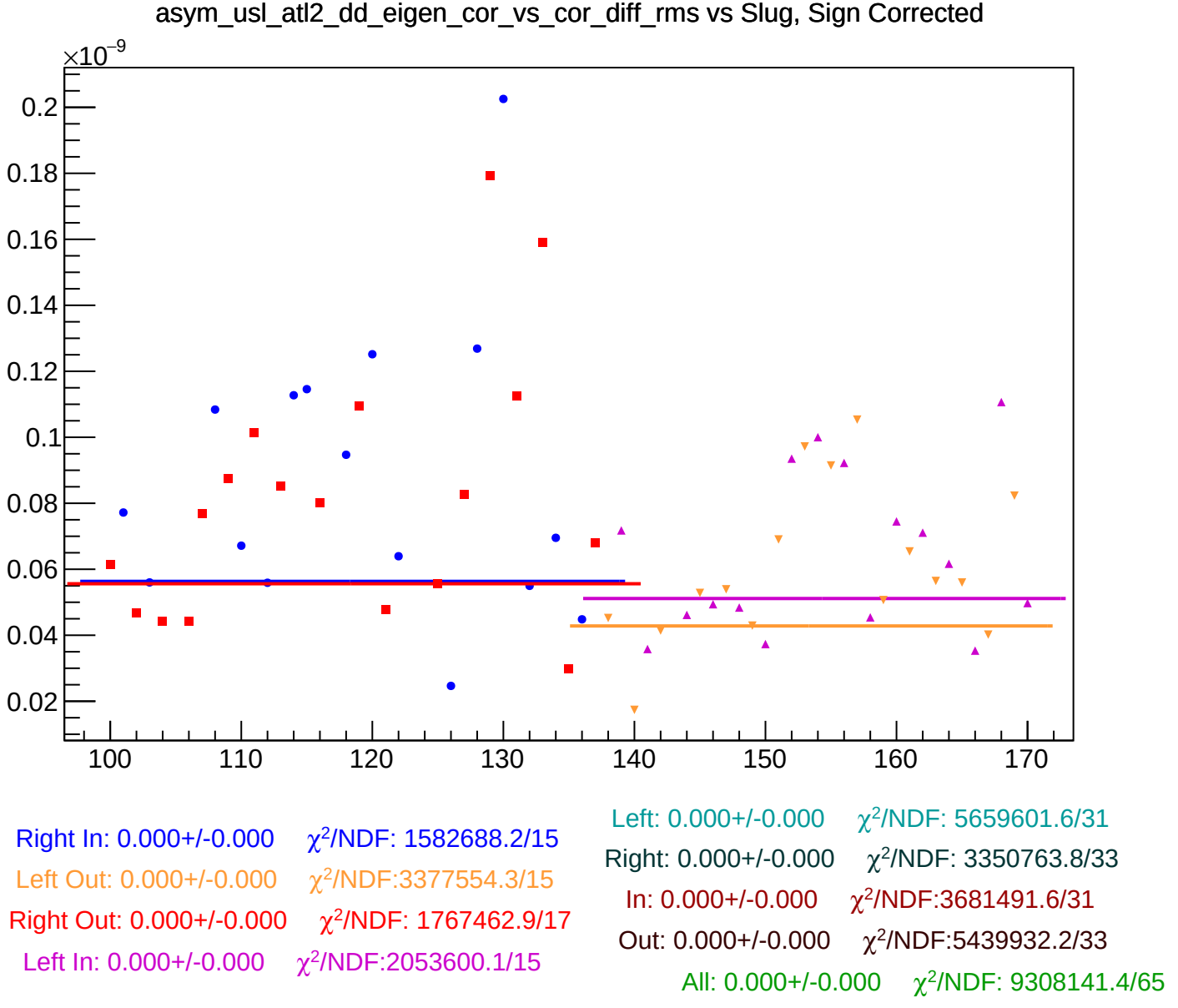
Left: 0.000+/-0.000 χ^2/NDF: 30.4/31

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

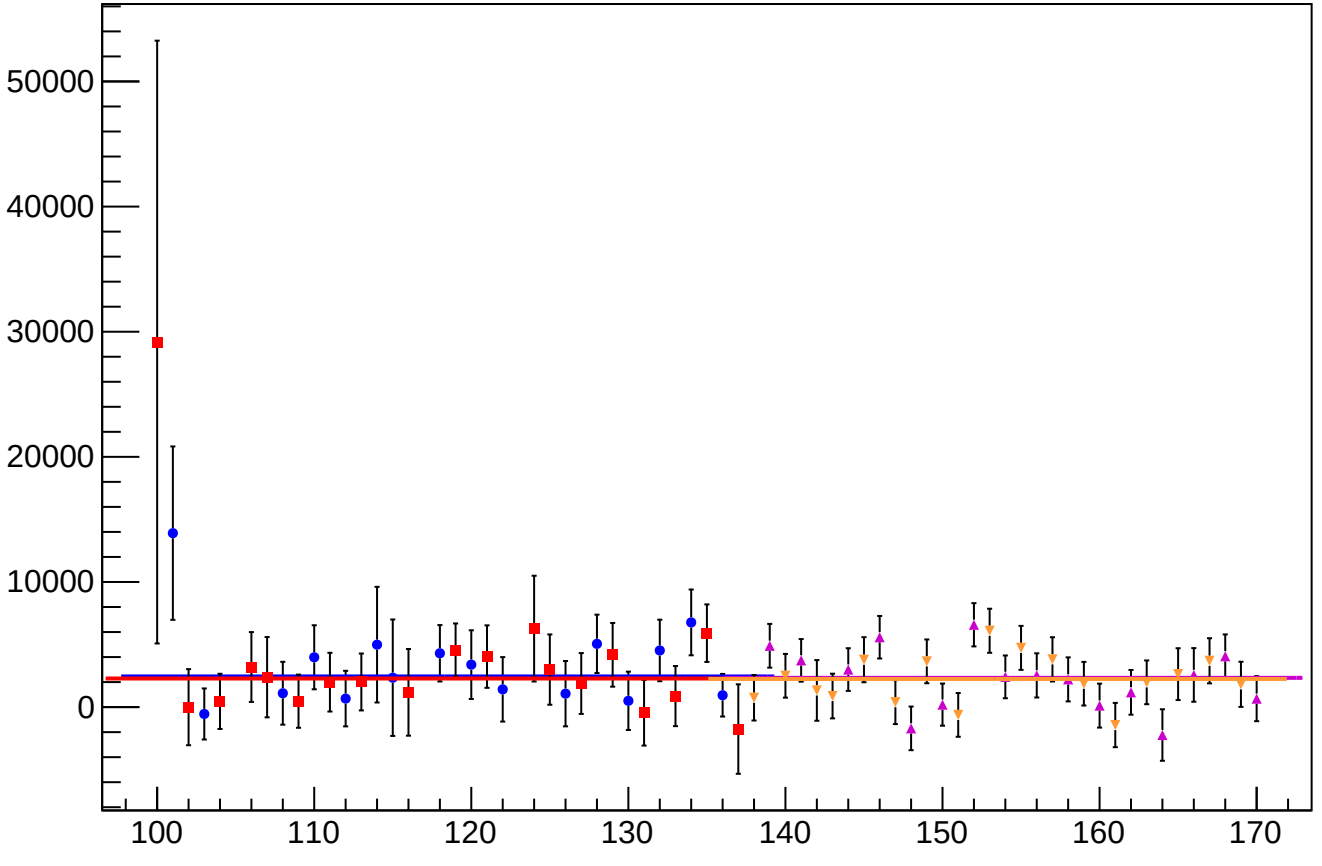
In: -0.000+/-0.000 χ^2/NDF:32.5/31

Out: 0.000+/-0.000 χ^2/NDF:36.0/33

All: 0.000+/-0.000 χ^2/NDF: 68.7/65


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3377554.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:2053600.1/15
Left: 0.000+/-0.000 χ²/NDF: 5659601.6/31
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3681491.6/31
Out: 0.000+/-0.000 χ²/NDF:5439932.2/33
All: 0.000+/-0.000 χ²/NDF: 9308141.4/65

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2249.985+/-438.911 χ^2/NDF:19.3/16

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2339.045+/-443.105 χ^2/NDF:28.4/15

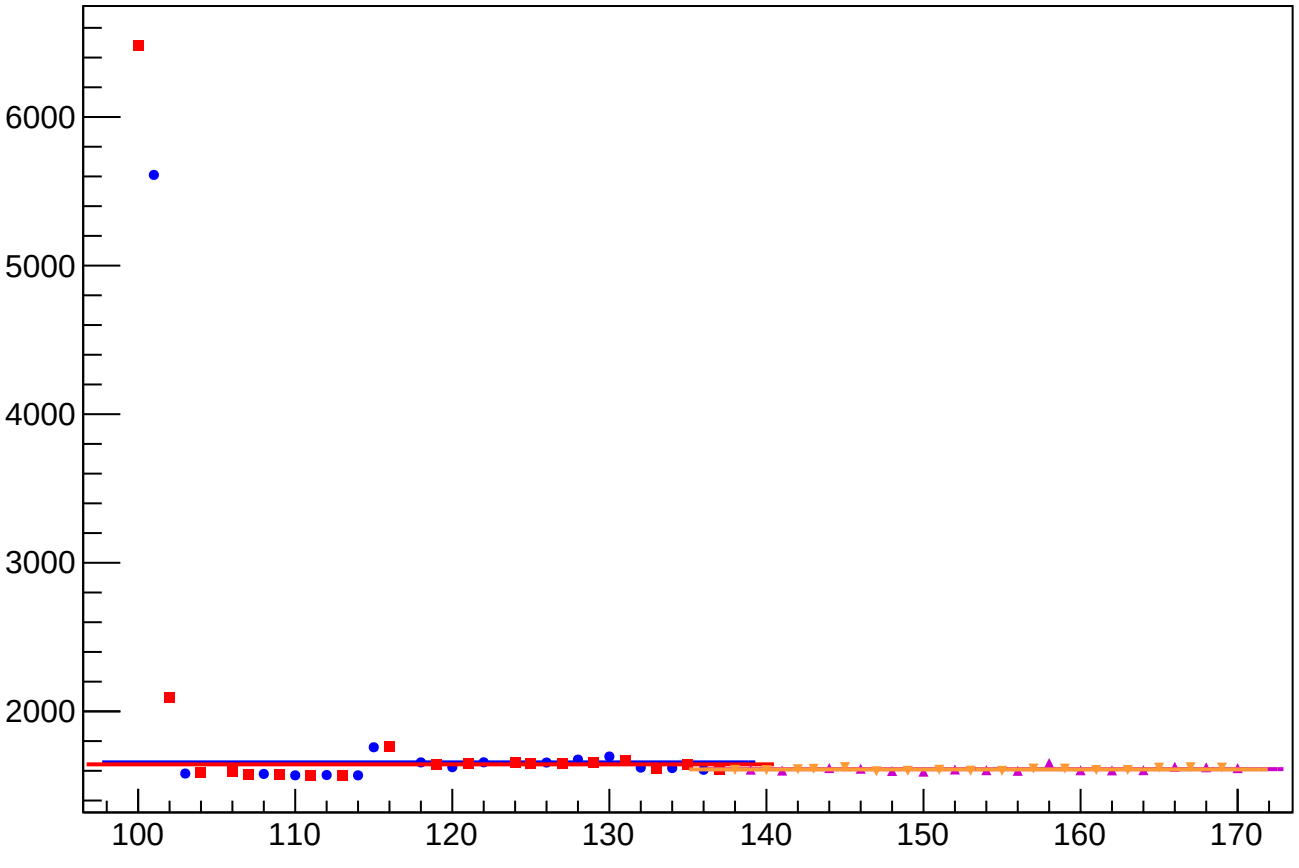
Left: 2294.092+/-311.829 χ^2/NDF: 47.8/32

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2375.734+/-362.481 χ^2/NDF:42.3/31

Out: 2262.489+/-356.103 χ^2/NDF:31.2/35

All: 2318.107+/-254.028 χ^2/NDF: 73.5/67



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.523+/-0.310 χ^2/NDF:797.8/16

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

Left: 1610.339+/-0.220 χ^2/NDF: 2800.6/32

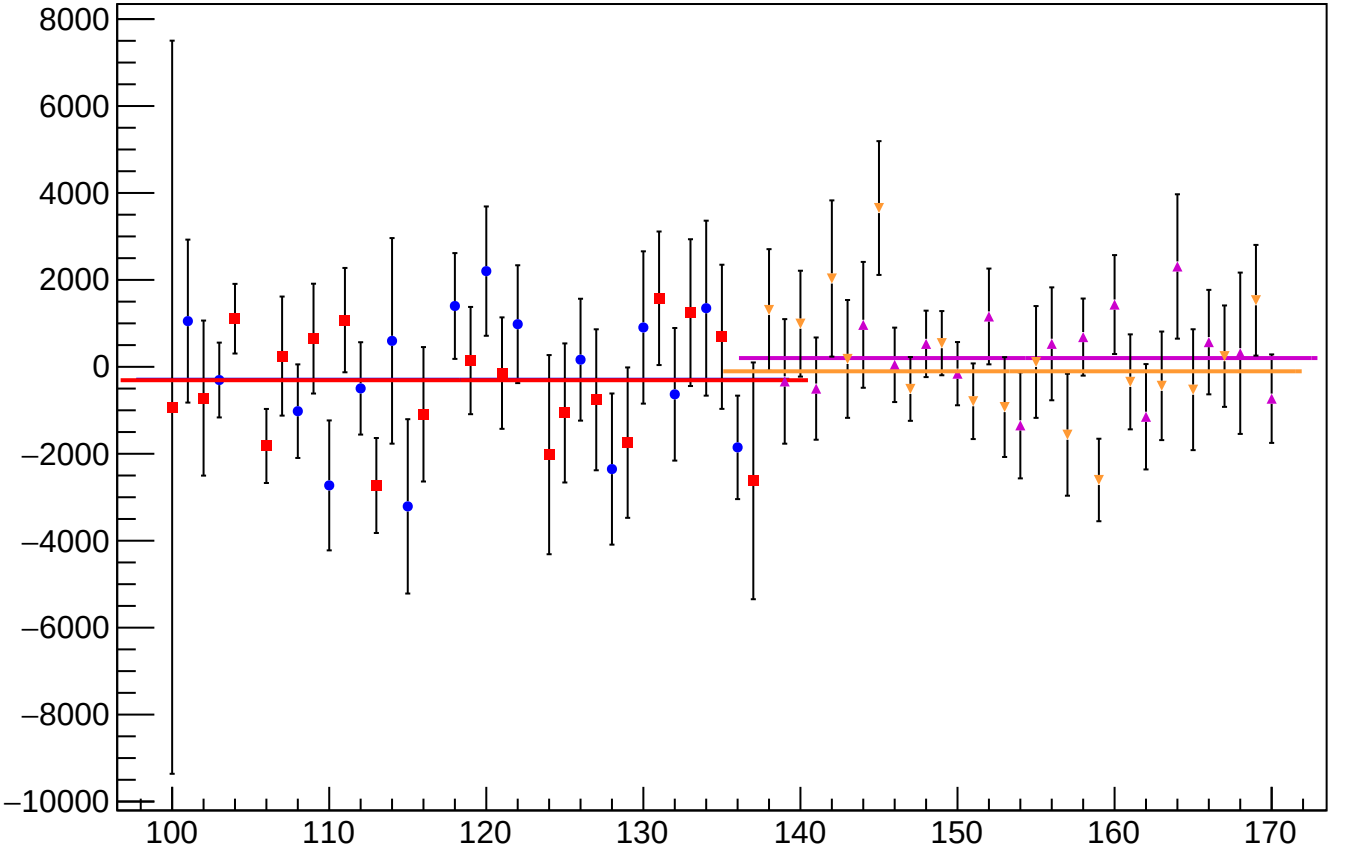
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.7/31

Out: 1621.110+/-0.252 χ^2/NDF:141874.8/35

All: 1623.623+/-0.180 χ^2/NDF: 817272.2/67

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: -102.610+/-269.175 χ^2/NDF:21.5/16

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 201.825+/-269.408 χ^2/NDF:8.9/15

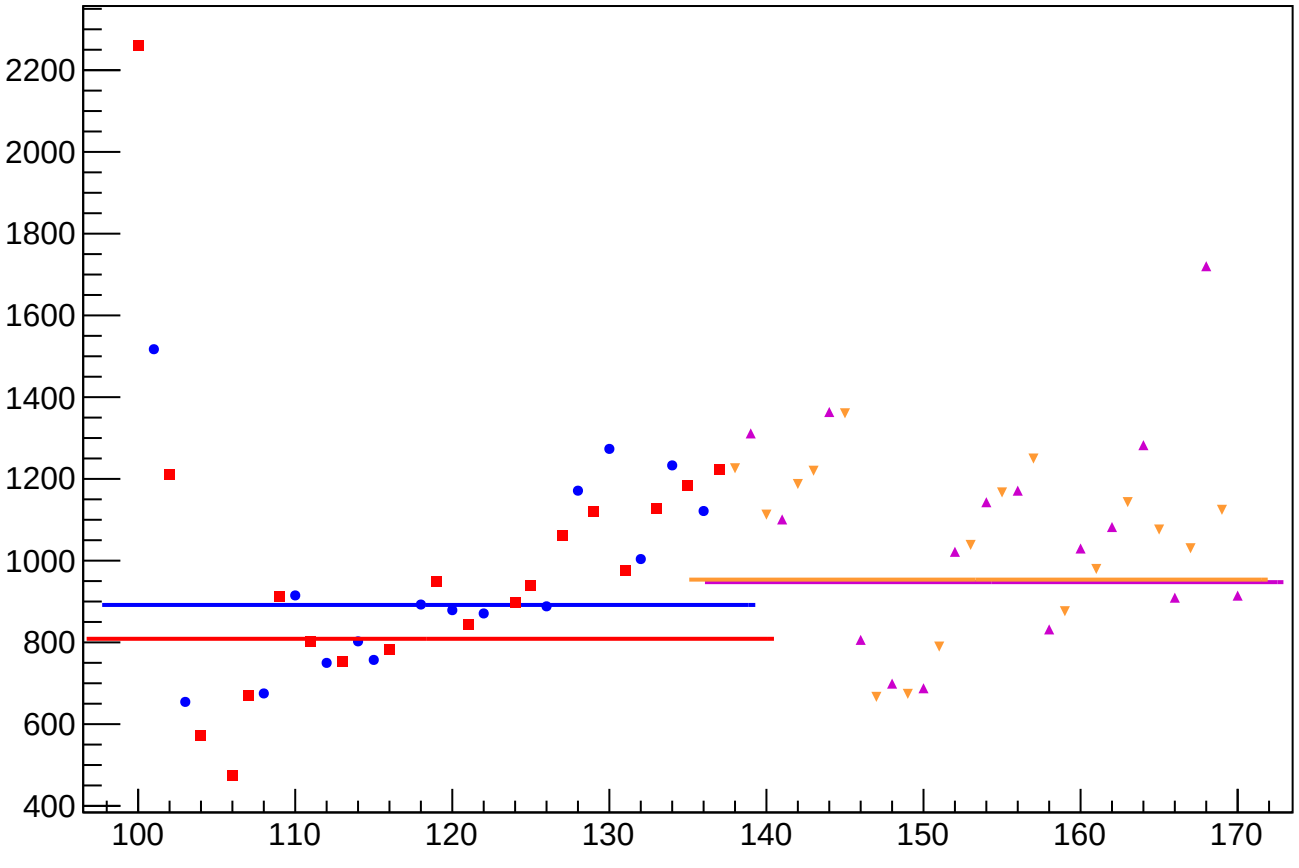
Left: 49.475+/-190.418 χ^2/NDF: 31.0/32

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: 12.011+/-211.971 χ^2/NDF:26.2/31

Out: -189.798+/-204.079 χ^2/NDF:40.4/35

All: -92.720+/-147.017 χ^2/NDF: 67.1/67



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 953.598+/-0.190 χ^2/NDF:1299576.6/16

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 947.403+/-0.191 χ^2/NDF:1470292.2/15

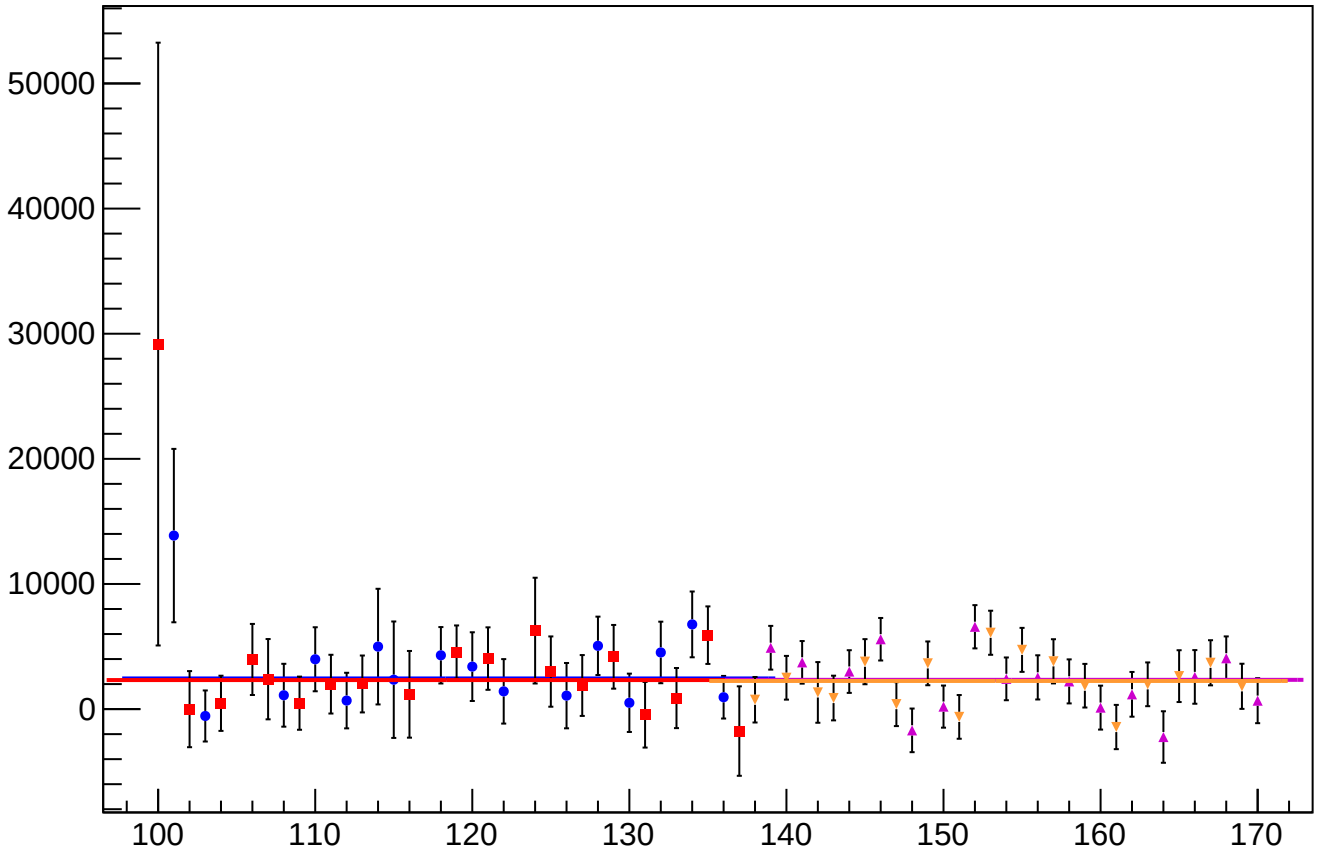
Left: 950.503+/-0.135 χ^2/NDF: 2770397.9/32

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 926.158+/-0.150 χ^2/NDF:2296838.3/31

Out: 892.036+/-0.144 χ^2/NDF:2629457.2/35

All: 908.450+/-0.104 χ^2/NDF: 4953190.7/67



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2249.956+/-438.911 χ^2/NDF:19.3/16

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2339.062+/-443.105 χ^2/NDF:28.4/15

Left: 2294.086+/-311.829 χ^2/NDF: 47.8/32

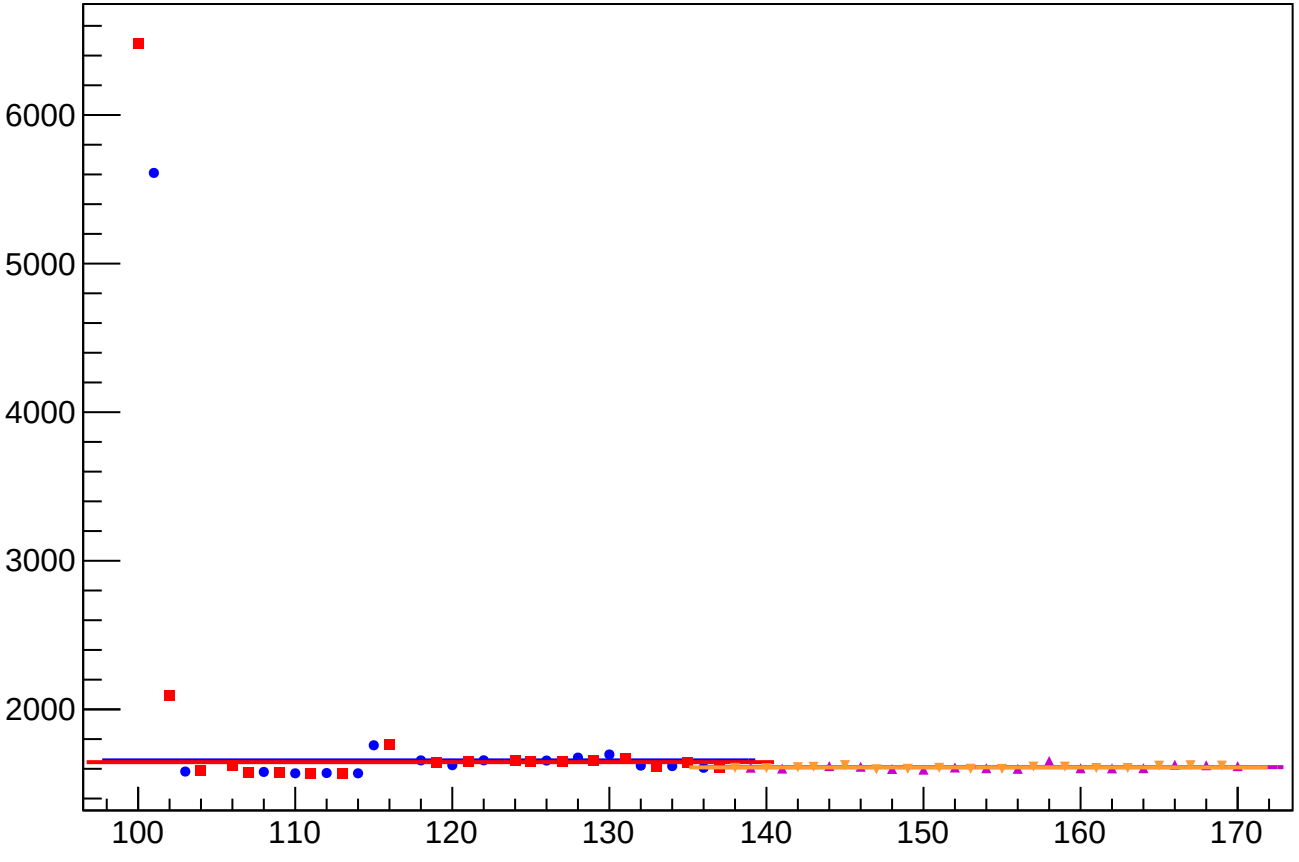
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2375.561+/-362.481 χ^2/NDF:42.3/31

Out: 2274.063+/-356.203 χ^2/NDF:31.4/35

All: 2323.926+/-254.064 χ^2/NDF: 73.7/67

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.523+/-0.310 χ^2/NDF:797.8/16

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

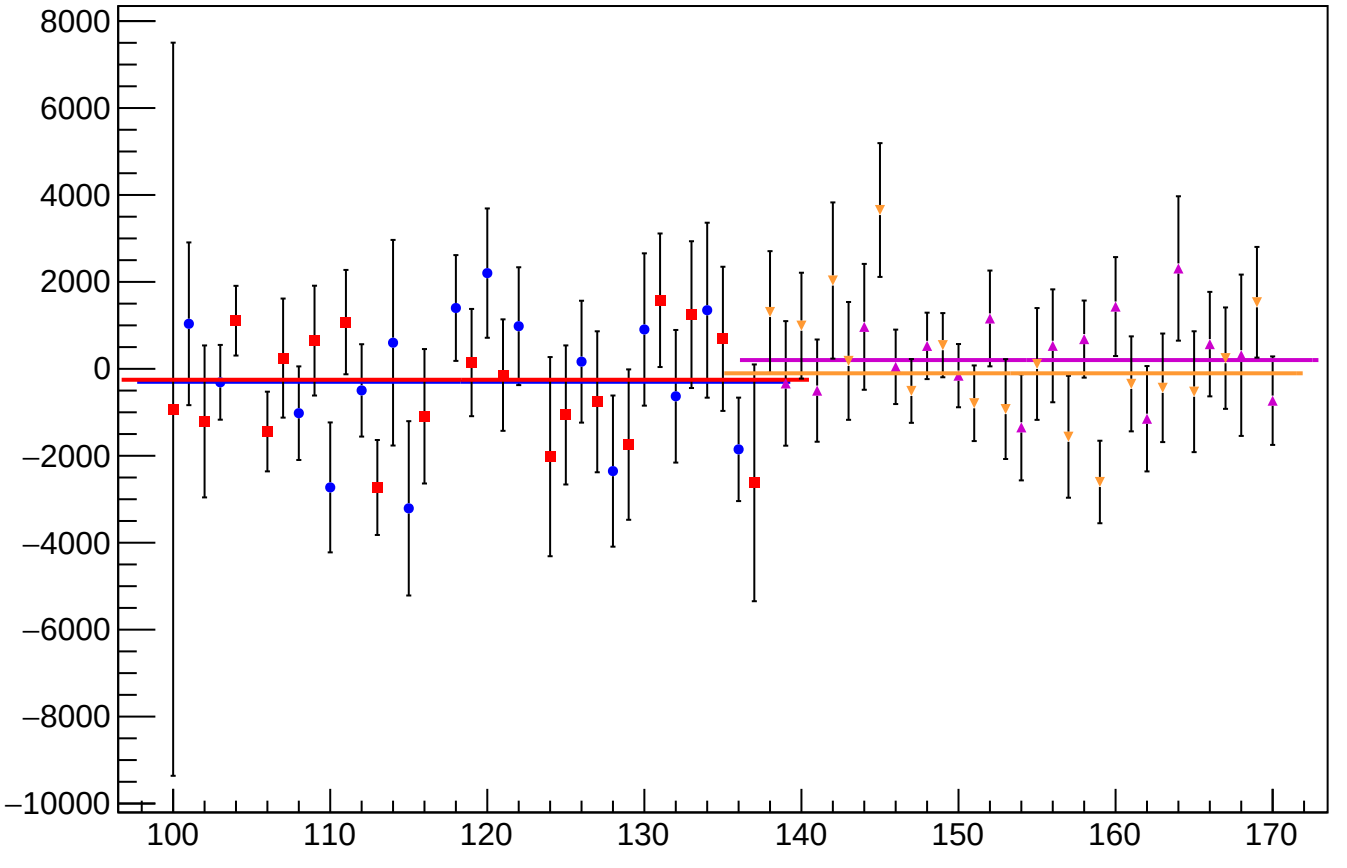
Left: 1610.339+/-0.220 χ^2/NDF: 2800.6/32

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.2/31

Out: 1621.542+/-0.252 χ^2/NDF:141674.7/35

All: 1623.843+/-0.180 χ^2/NDF: 817038.8/67



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -102.667+/-269.172 χ^2/NDF:21.5/16

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 201.857+/-269.409 χ^2/NDF:8.9/15

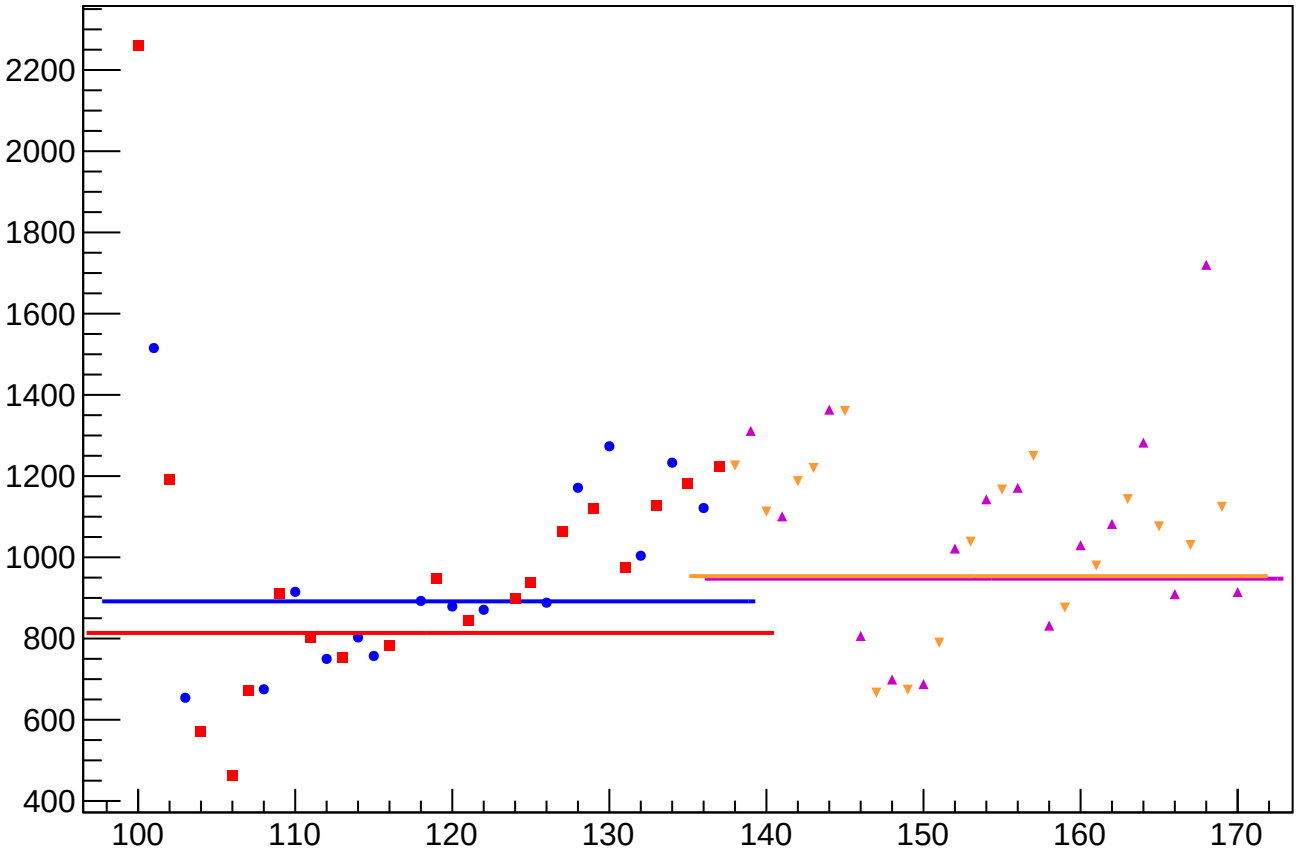
Left: 49.461+/-190.417 χ^2/NDF: 31.0/32

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 11.487+/-211.960 χ^2/NDF:26.2/31

Out: -165.193+/-204.841 χ^2/NDF:38.8/35

All: -79.870+/-147.297 χ^2/NDF: 65.4/67



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 953.587+/-0.190 χ^2/NDF:1299659.7/16

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 947.407+/-0.191 χ^2/NDF:1470242.1/15

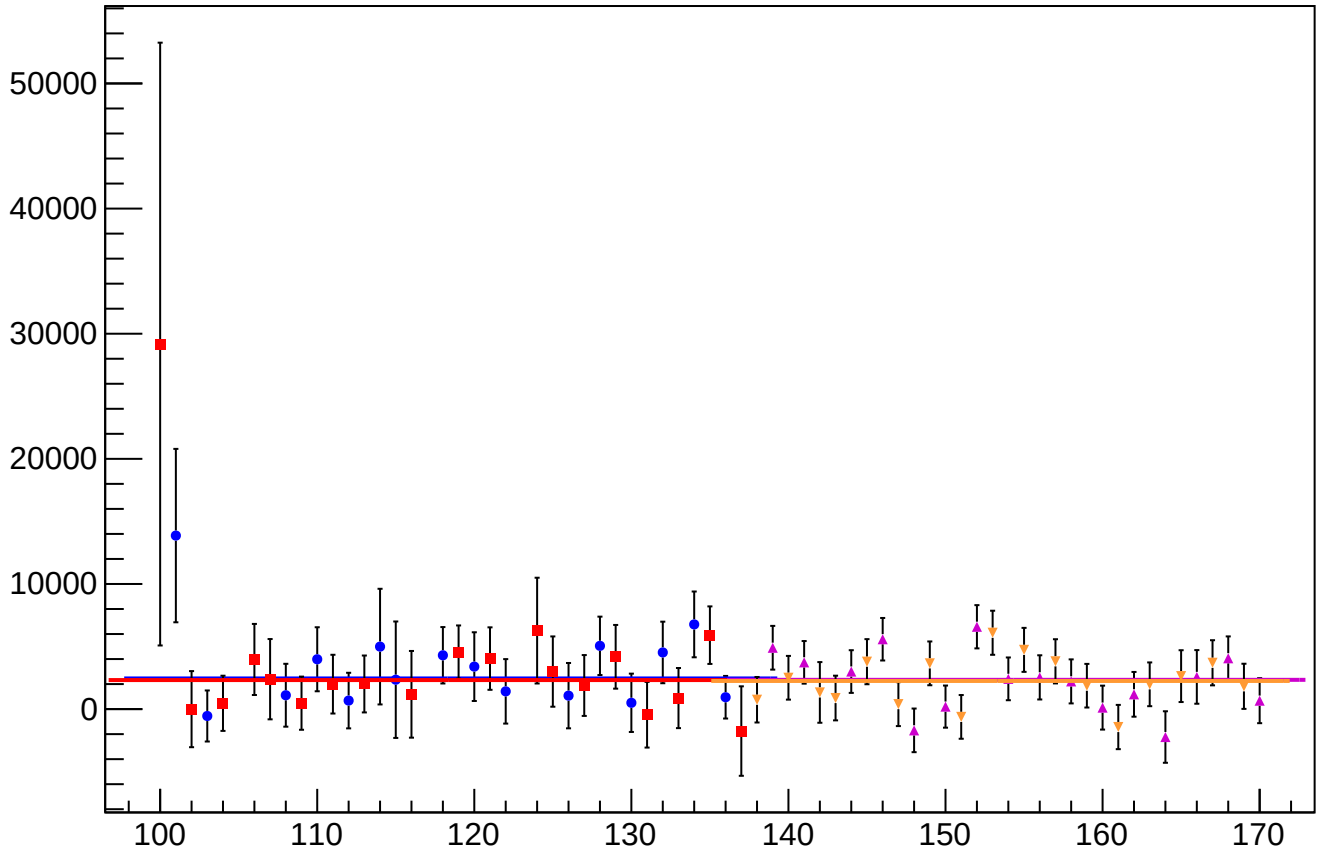
Left: 950.499+/-0.135 χ^2/NDF: 2770428.4/32

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.118+/-0.150 χ^2/NDF:2296675.3/31

Out: 894.757+/-0.145 χ^2/NDF:2579641.2/35

All: 909.902+/-0.104 χ^2/NDF: 4898955.6/67



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2249.956+/-438.911 χ^2/NDF:19.3/16

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2339.062+/-443.105 χ^2/NDF:28.4/15

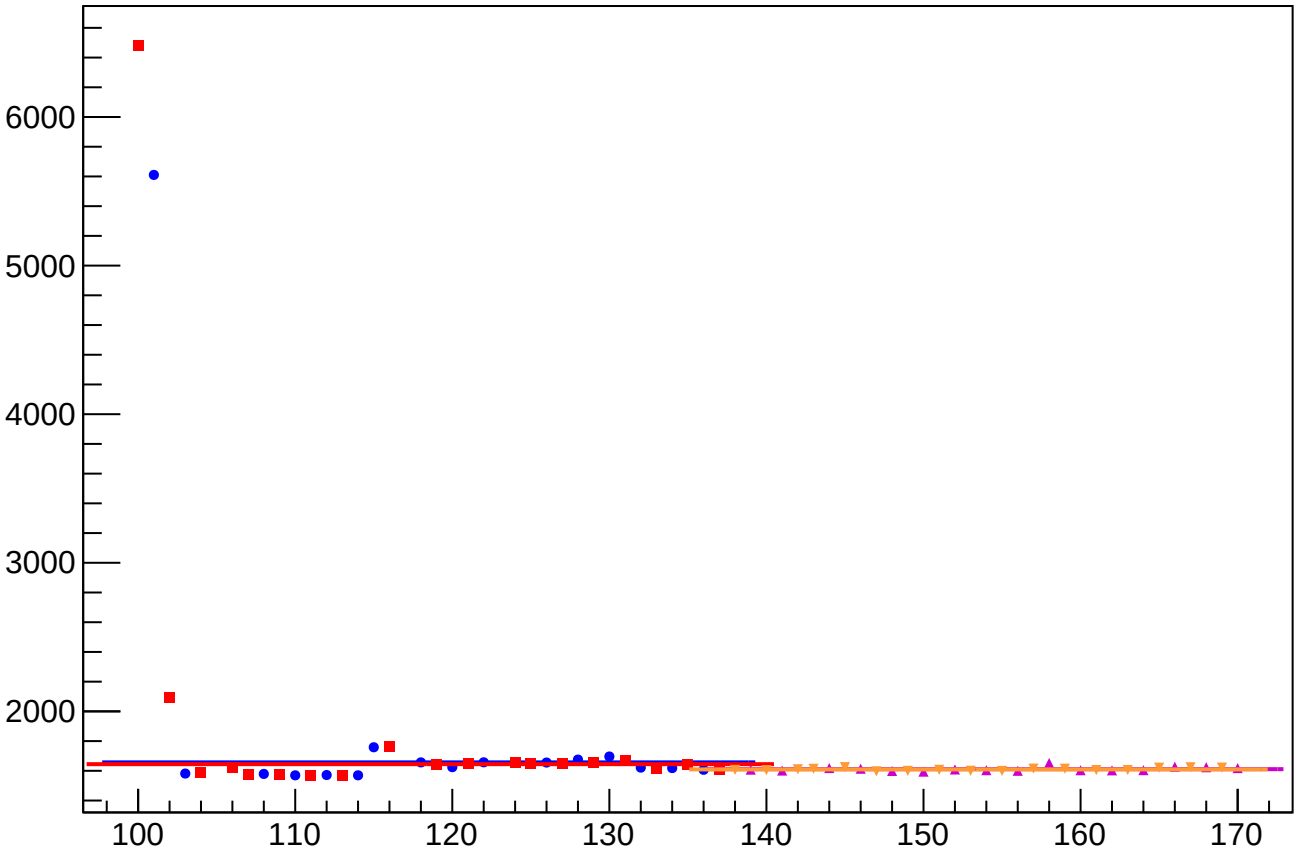
Left: 2294.086+/-311.829 χ^2/NDF: 47.8/32

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2375.561+/-362.481 χ^2/NDF:42.3/31

Out: 2274.063+/-356.203 χ^2/NDF:31.4/35

All: 2323.926+/-254.064 χ^2/NDF: 73.7/67



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.523+/-0.310 χ^2/NDF:797.8/16

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

Left: 1610.339+/-0.220 χ^2/NDF: 2800.6/32

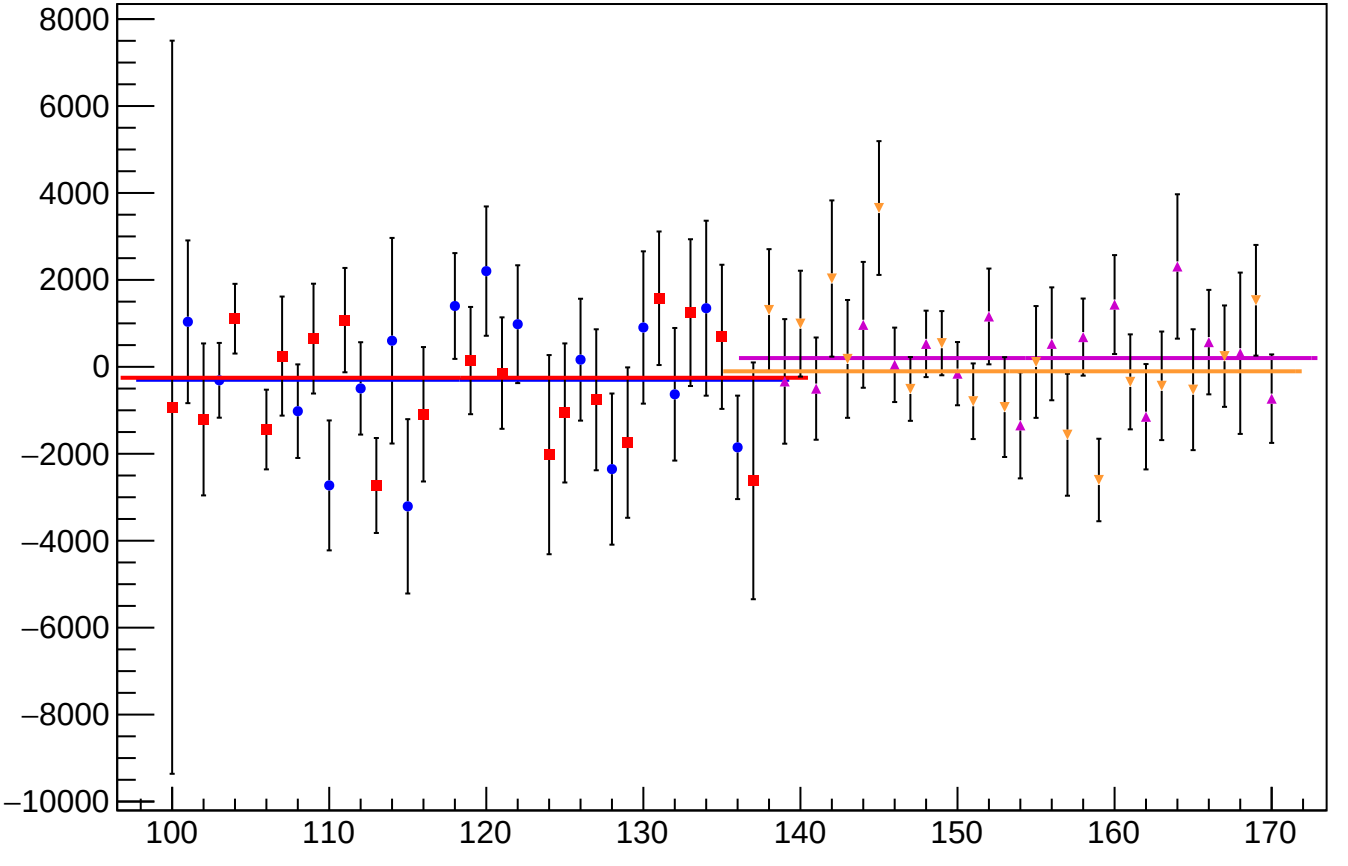
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.2/31

Out: 1621.542+/-0.252 χ^2/NDF:141674.7/35

All: 1623.843+/-0.180 χ^2/NDF: 817038.8/67

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: -102.667+/-269.172 χ^2/NDF:21.5/16

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 201.857+/-269.409 χ^2/NDF:8.9/15

Left: 49.461+/-190.417 χ^2/NDF: 31.0/32

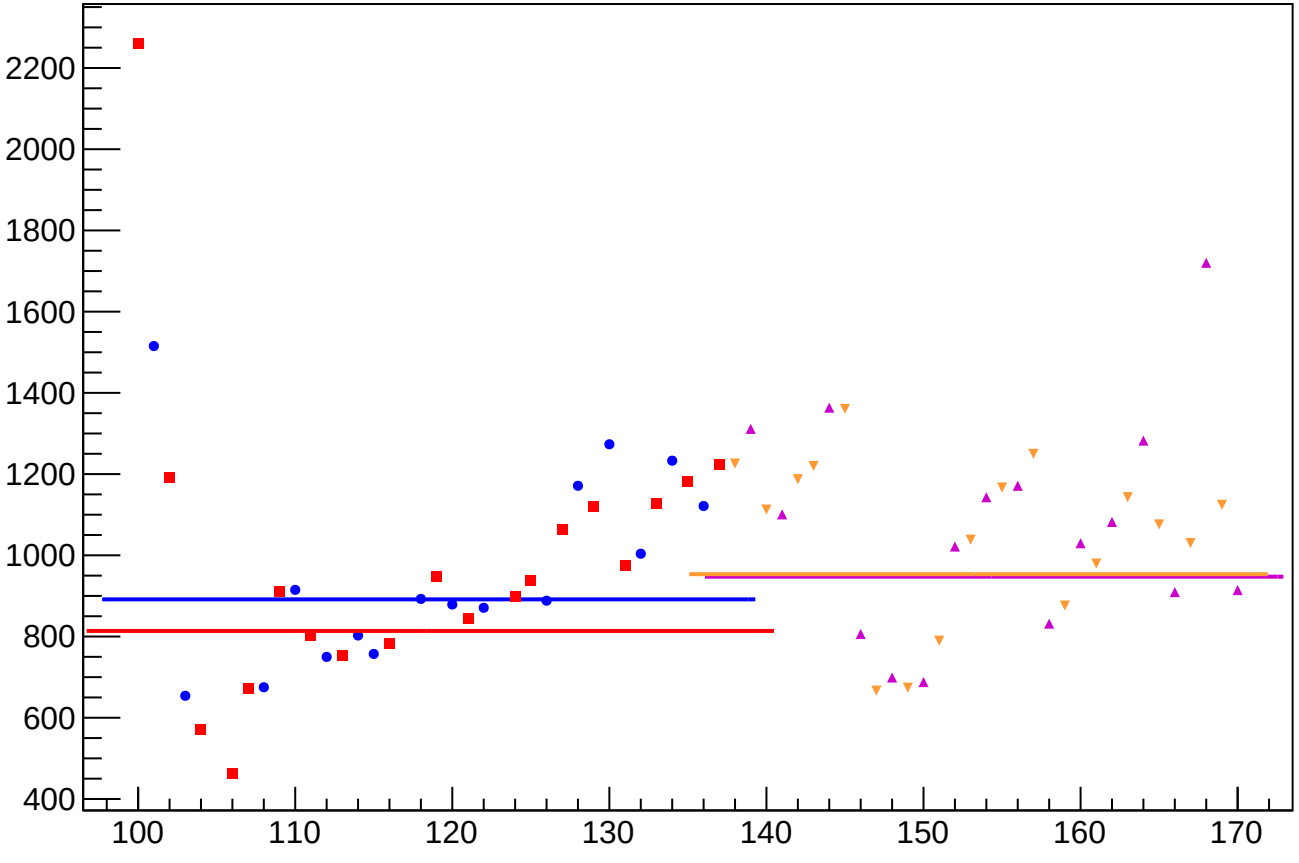
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 11.487+/-211.960 χ^2/NDF:26.2/31

Out: -165.193+/-204.841 χ^2/NDF:38.8/35

All: -79.870+/-147.297 χ^2/NDF: 65.4/67

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: 953.587+/-0.190 χ^2/NDF:1299659.7/16

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 947.407+/-0.191 χ^2/NDF:1470242.1/15

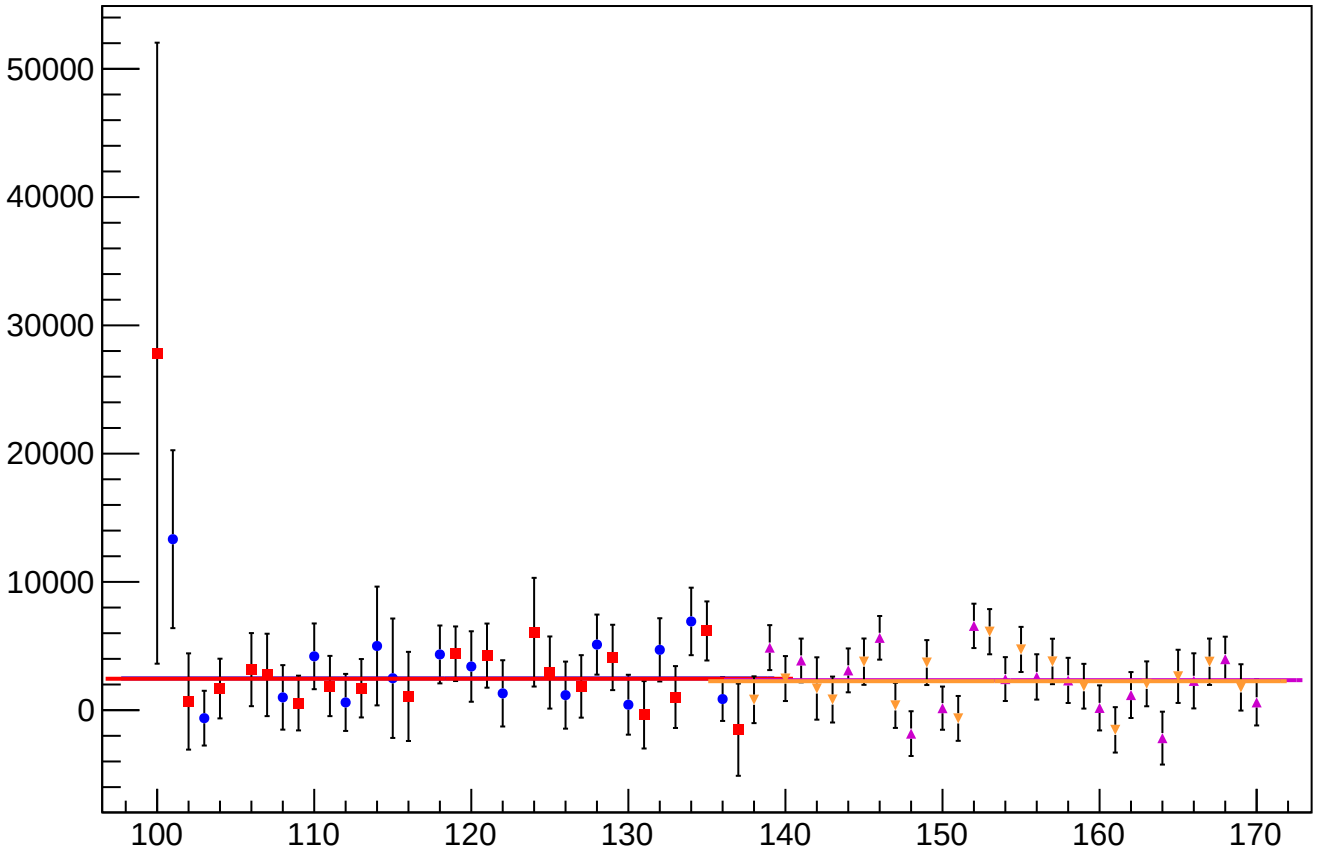
Left: 950.499+/-0.135 χ^2/NDF: 2770428.4/32

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.118+/-0.150 χ^2/NDF:2296675.3/31

Out: 894.757+/-0.145 χ^2/NDF:2579641.2/35

All: 909.902+/-0.104 χ^2/NDF: 4898955.6/67



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2258.882+/-439.583 χ^2/NDF:19.6/16

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2339.281+/-443.678 χ^2/NDF:28.8/15

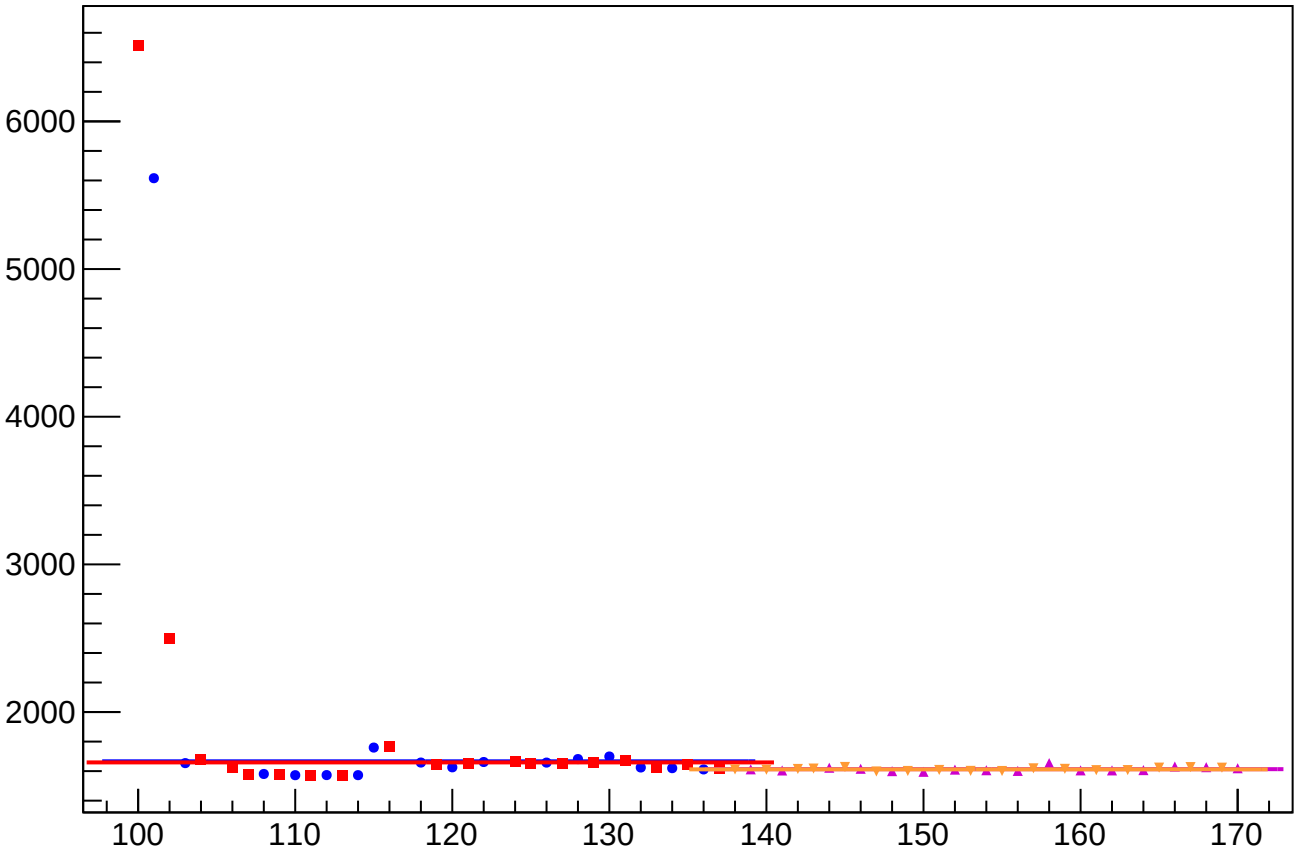
Left: 2298.709+/-312.270 χ^2/NDF: 48.5/32

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2383.985+/-363.483 χ^2/NDF:43.0/31

Out: 2322.837+/-358.117 χ^2/NDF:30.2/35

All: 2352.957+/-255.103 χ^2/NDF: 73.3/67



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.978+/-0.311 χ^2/NDF:914.8/16

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.244+/-0.314 χ^2/NDF:2063.1/15

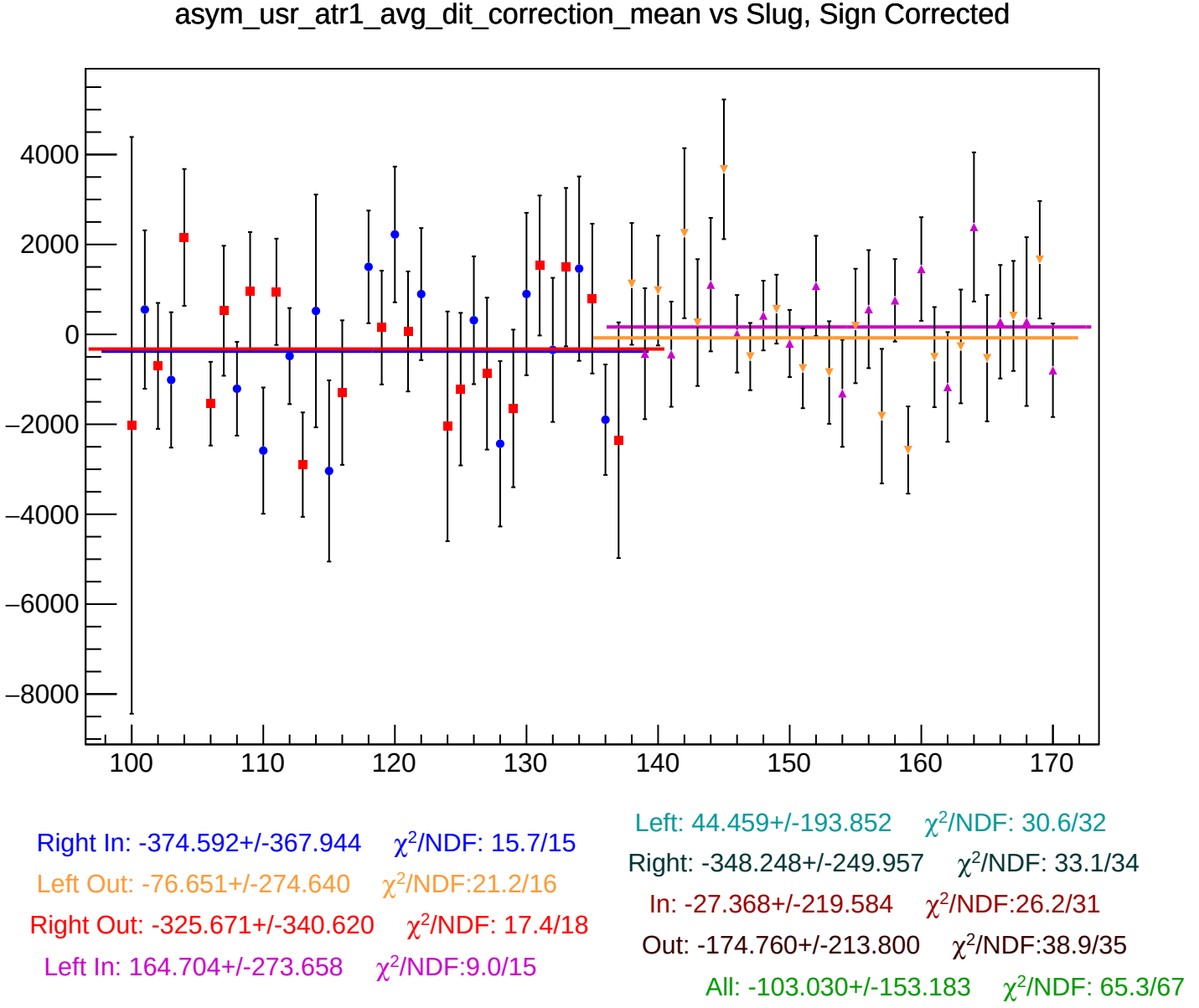
Left: 1612.605+/-0.221 χ^2/NDF: 2986.1/32

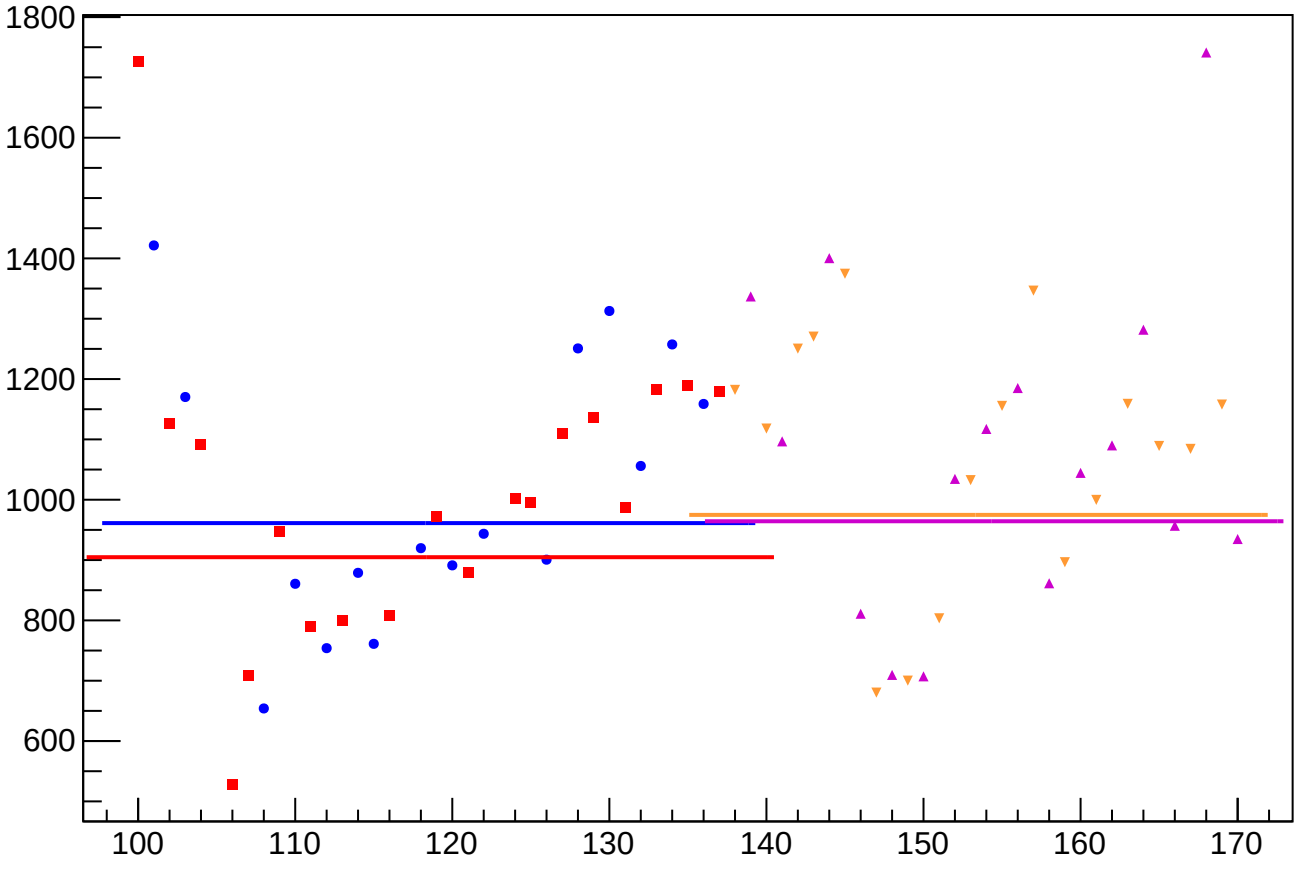
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

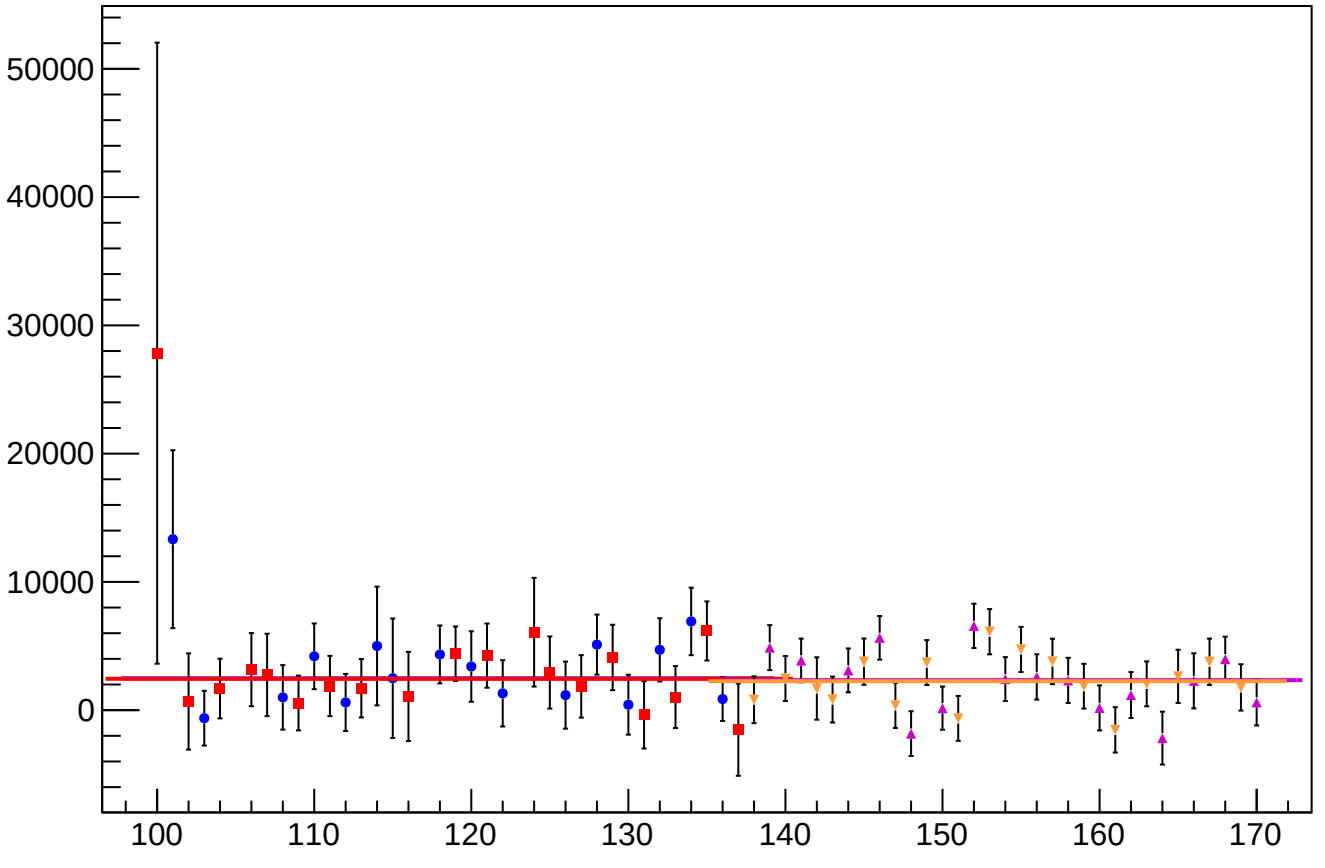
In: 1630.723+/-0.257 χ^2/NDF:674417.7/31

Out: 1627.793+/-0.253 χ^2/NDF:201836.3/35

All: 1629.236+/-0.180 χ^2/NDF: 876319.9/67


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -76.651+/-274.640 χ²/NDF:21.2/16
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 164.704+/-273.658 χ²/NDF:9.0/15
Left: 44.459+/-193.852 χ²/NDF: 30.6/32
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -27.368+/-219.584 χ²/NDF:26.2/31
Out: -174.760+/-213.800 χ²/NDF:38.9/35
All: -103.030+/-153.183 χ²/NDF: 65.3/67


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
100
110
120
130
140
150
160
170
Right In: 961.243+/-0.260 χ²/NDF: 691875.4/15
Left Out: 974.859+/-0.194 χ²/NDF:1271890.0/16
Right Out: 904.736+/-0.241 χ²/NDF: 736484.7/18
Left In: 964.298+/-0.194 χ²/NDF:1415807.9/15
Left: 969.560+/-0.137 χ²/NDF: 2689182.0/32
Right: 930.814+/-0.177 χ²/NDF: 1453761.0/34
In: 963.210+/-0.155 χ²/NDF:2107772.1/31
Out: 947.232+/-0.151 χ²/NDF:2059743.5/35
All: 955.008+/-0.108 χ²/NDF: 4172951.3/67



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2258.881+/-439.583 χ^2/NDF:19.6/16

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2339.282+/-443.678 χ^2/NDF:28.8/15

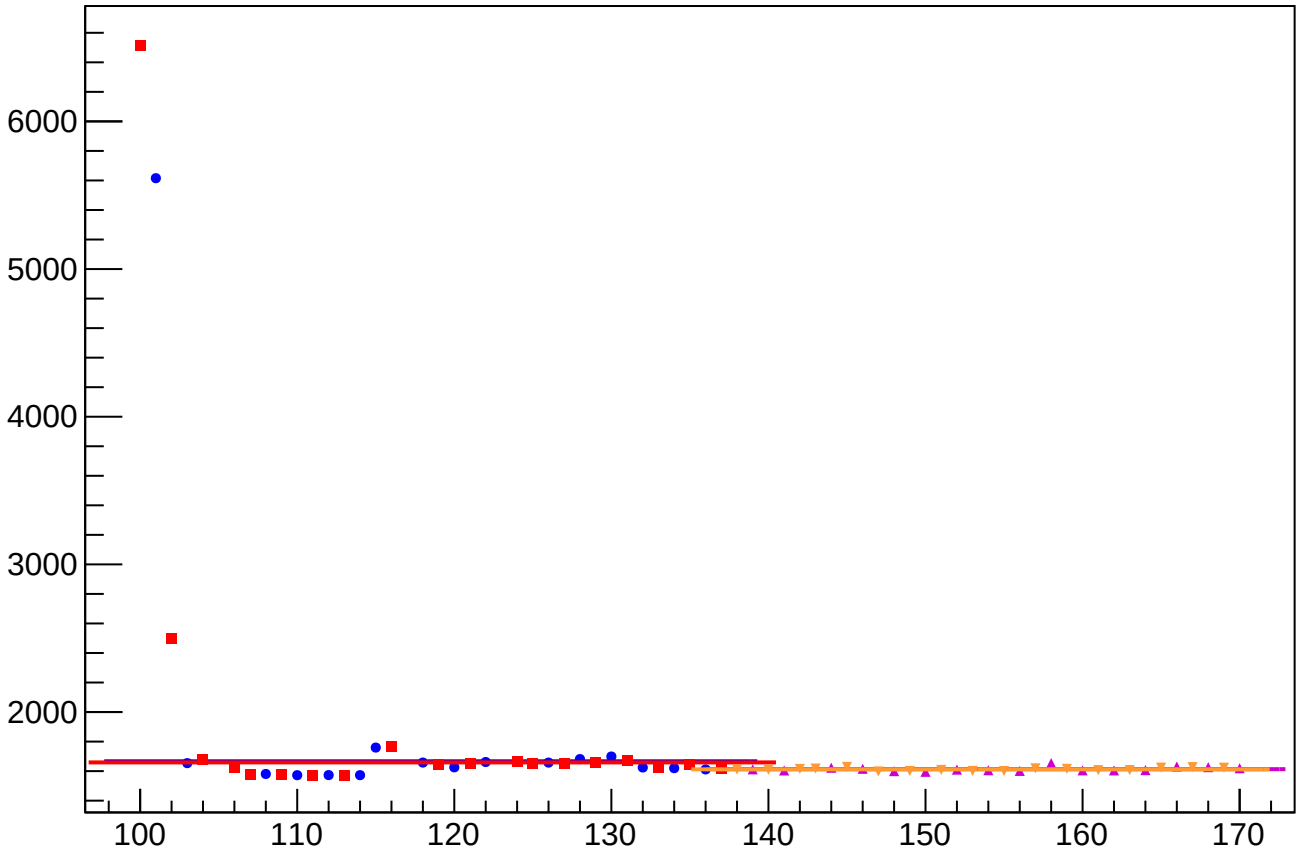
Left: 2298.709+/-312.270 χ^2/NDF: 48.5/32

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2383.985+/-363.483 χ^2/NDF:43.0/31

Out: 2322.837+/-358.117 χ^2/NDF:30.2/35

All: 2352.956+/-255.103 χ^2/NDF: 73.3/67



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1611.978+/-0.311 χ^2/NDF:914.8/16

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.244+/-0.314 χ^2/NDF:2063.1/15

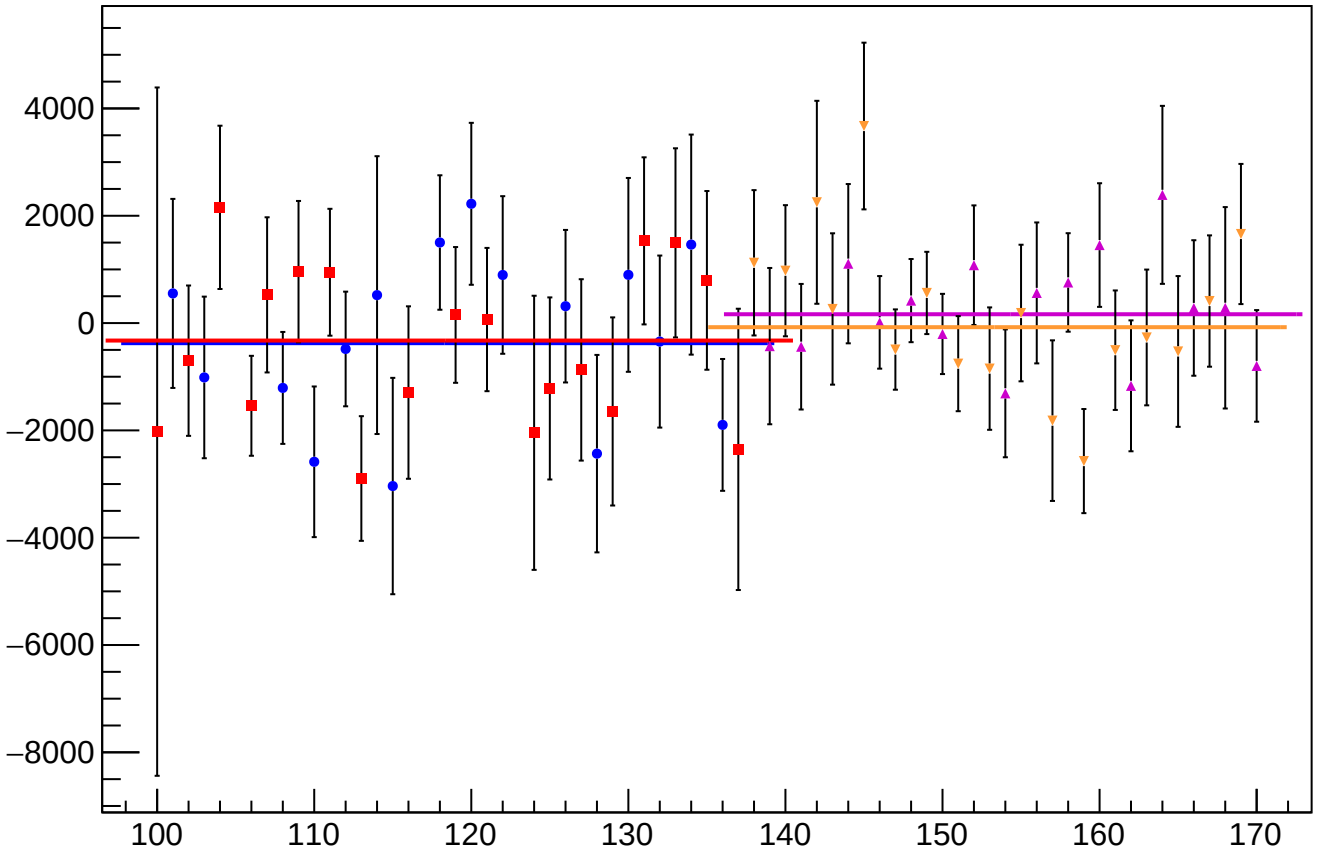
Left: 1612.605+/-0.221 χ^2/NDF: 2986.1/32

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1630.723+/-0.257 χ^2/NDF:674417.6/31

Out: 1627.793+/-0.253 χ^2/NDF:201836.1/35

All: 1629.236+/-0.180 χ^2/NDF: 876319.7/67



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -76.653+/-274.641 χ^2/NDF:21.2/16

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 164.705+/-273.659 χ^2/NDF:9.0/15

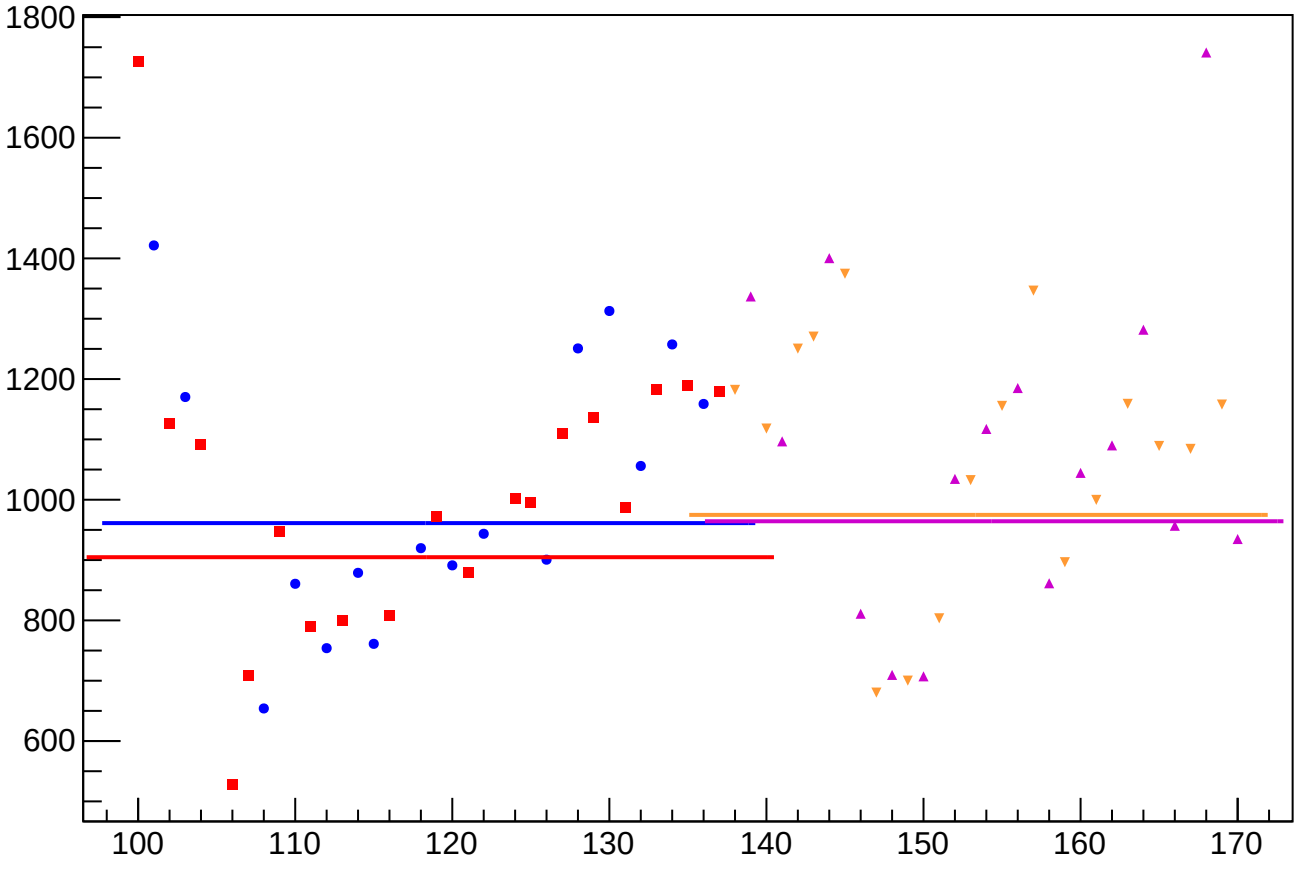
Left: 44.458+/-193.852 χ^2/NDF: 30.6/32

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -27.368+/-219.584 χ^2/NDF:26.2/31

Out: -174.761+/-213.800 χ^2/NDF:38.9/35

All: -103.031+/-153.183 χ^2/NDF: 65.3/67



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 974.861+/-0.194 χ^2/NDF:1271893.2/16

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 964.300+/-0.194 χ^2/NDF:1415811.3/15

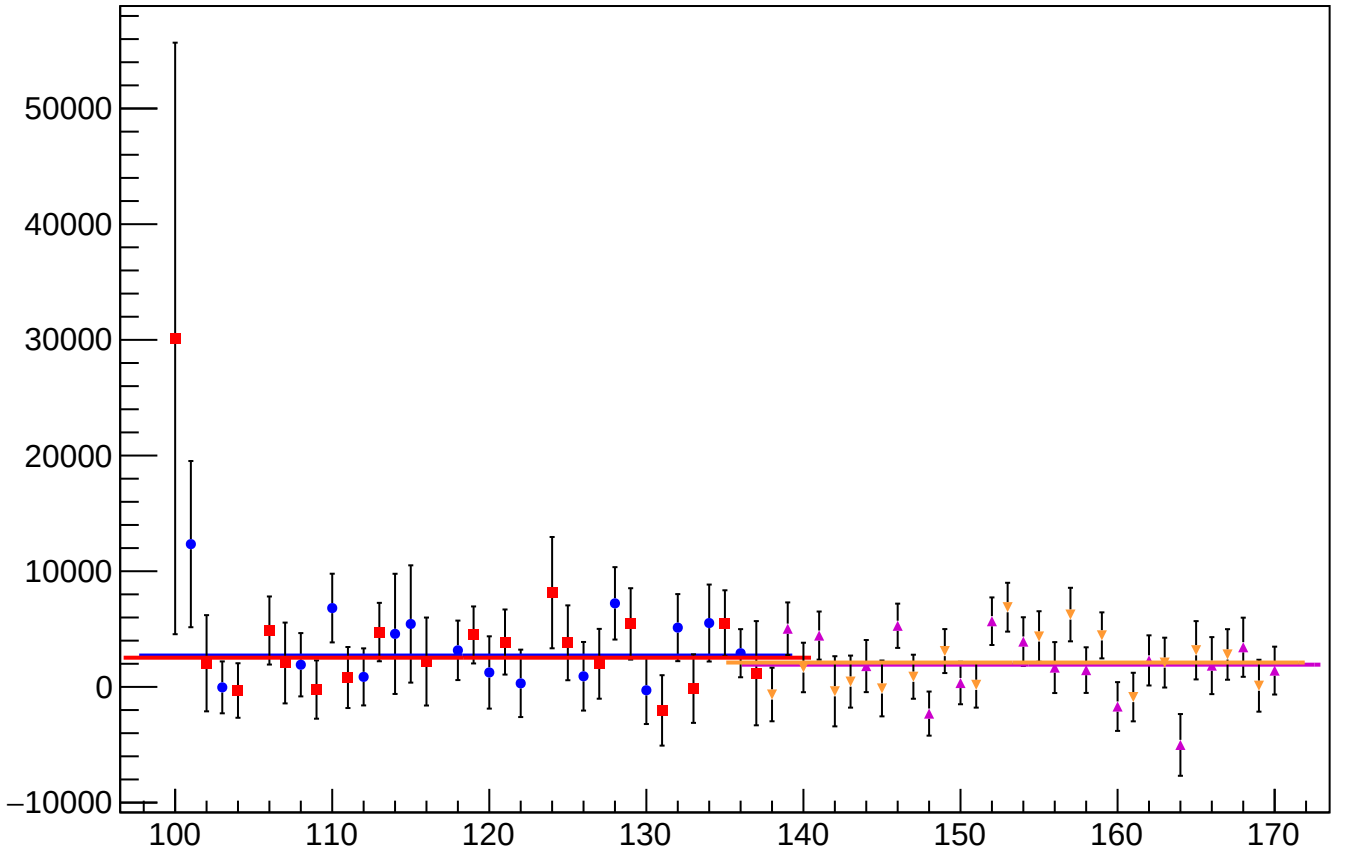
Left: 969.562+/-0.137 χ^2/NDF: 2689188.6/32

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 963.210+/-0.155 χ^2/NDF:2107783.8/31

Out: 947.232+/-0.151 χ^2/NDF:2059750.8/35

All: 955.008+/-0.108 χ^2/NDF: 4172970.2/67



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2106.462+/-528.837 χ^2/NDF:19.1/16

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1922.616+/-532.790 χ^2/NDF:26.5/15

Left: 2015.223+/-375.334 χ^2/NDF: 45.7/32

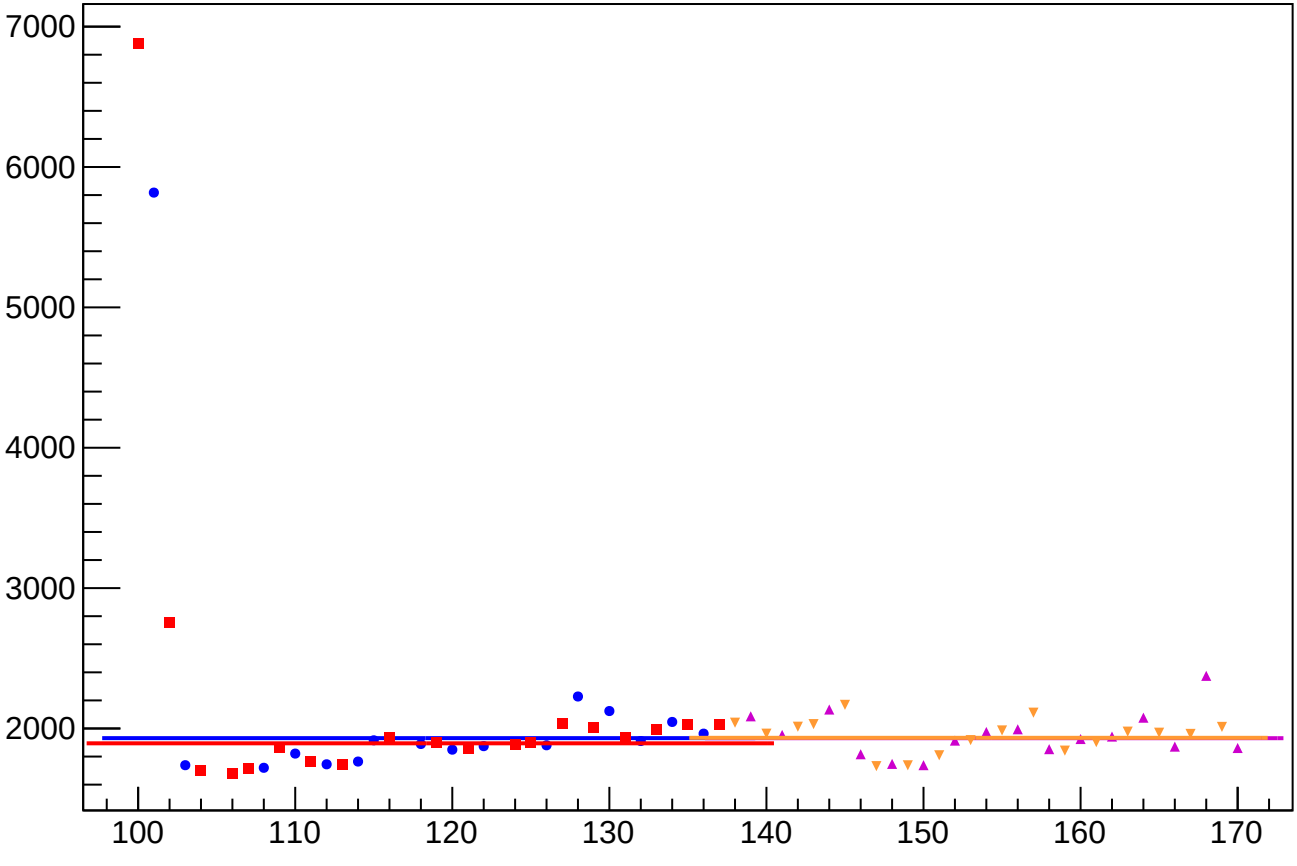
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2194.274+/-431.394 χ^2/NDF:39.4/31

Out: 2256.964+/-423.357 χ^2/NDF:32.6/35

All: 2226.209+/-302.160 χ^2/NDF: 72.0/67

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1933.530+/-0.374 χ^2/NDF:102370.1/16

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1930.813+/-0.377 χ^2/NDF:149337.9/15

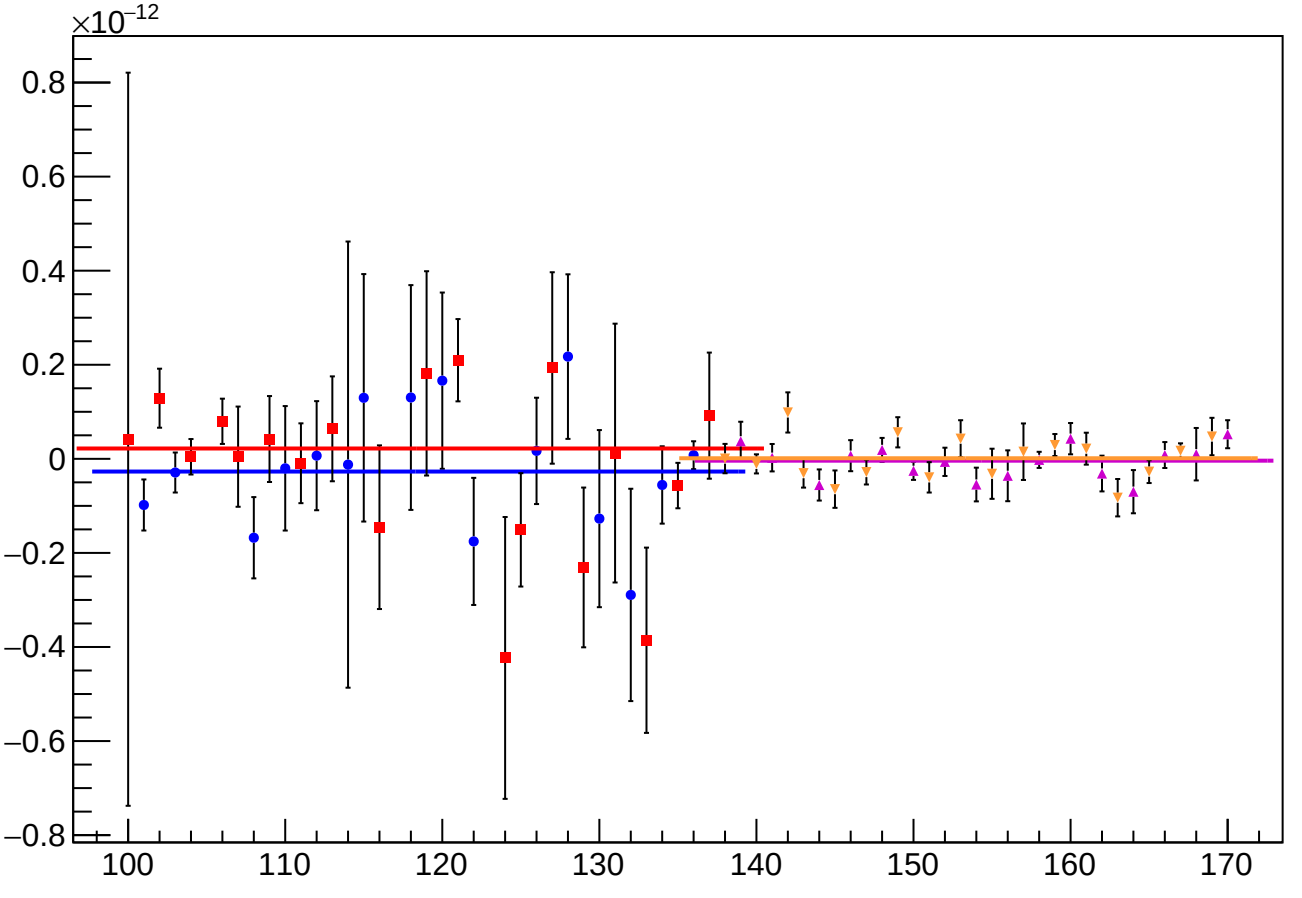
Left: 1932.181+/-0.265 χ^2/NDF: 251734.2/32

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1930.963+/-0.305 χ^2/NDF:810565.5/31

Out: 1919.459+/-0.299 χ^2/NDF:326853.8/35

All: 1925.103+/-0.214 χ^2/NDF: 1138143.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

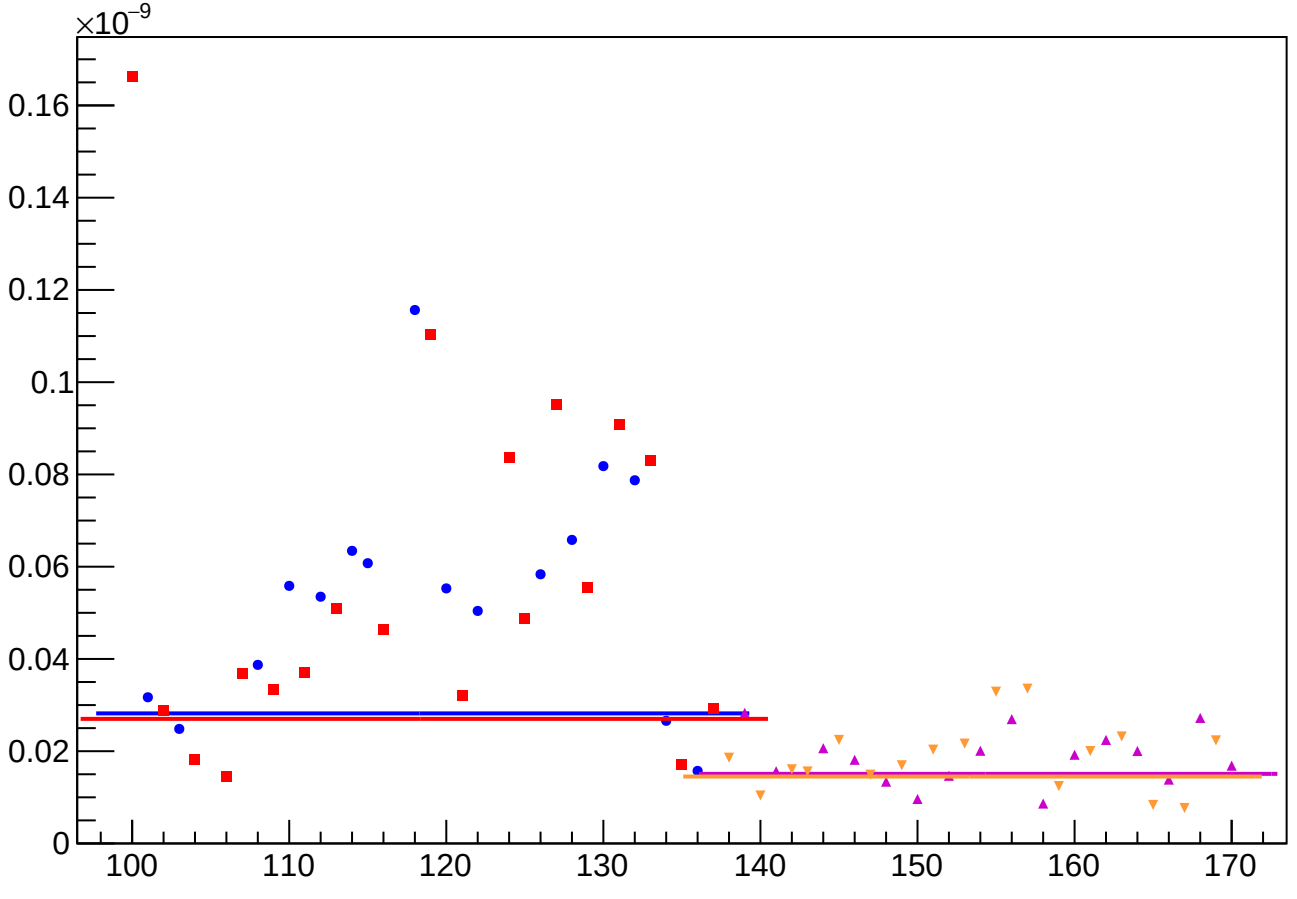
Left: -0.000+/-0.000 χ^2/NDF: 43.3/32

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.4/31

Out: 0.000+/-0.000 χ^2/NDF:53.1/35

All: -0.000+/-0.000 χ^2/NDF: 84.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1525100.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1098507.1/15

Left: 0.000+/-0.000 χ^2/NDF: 2630074.4/32

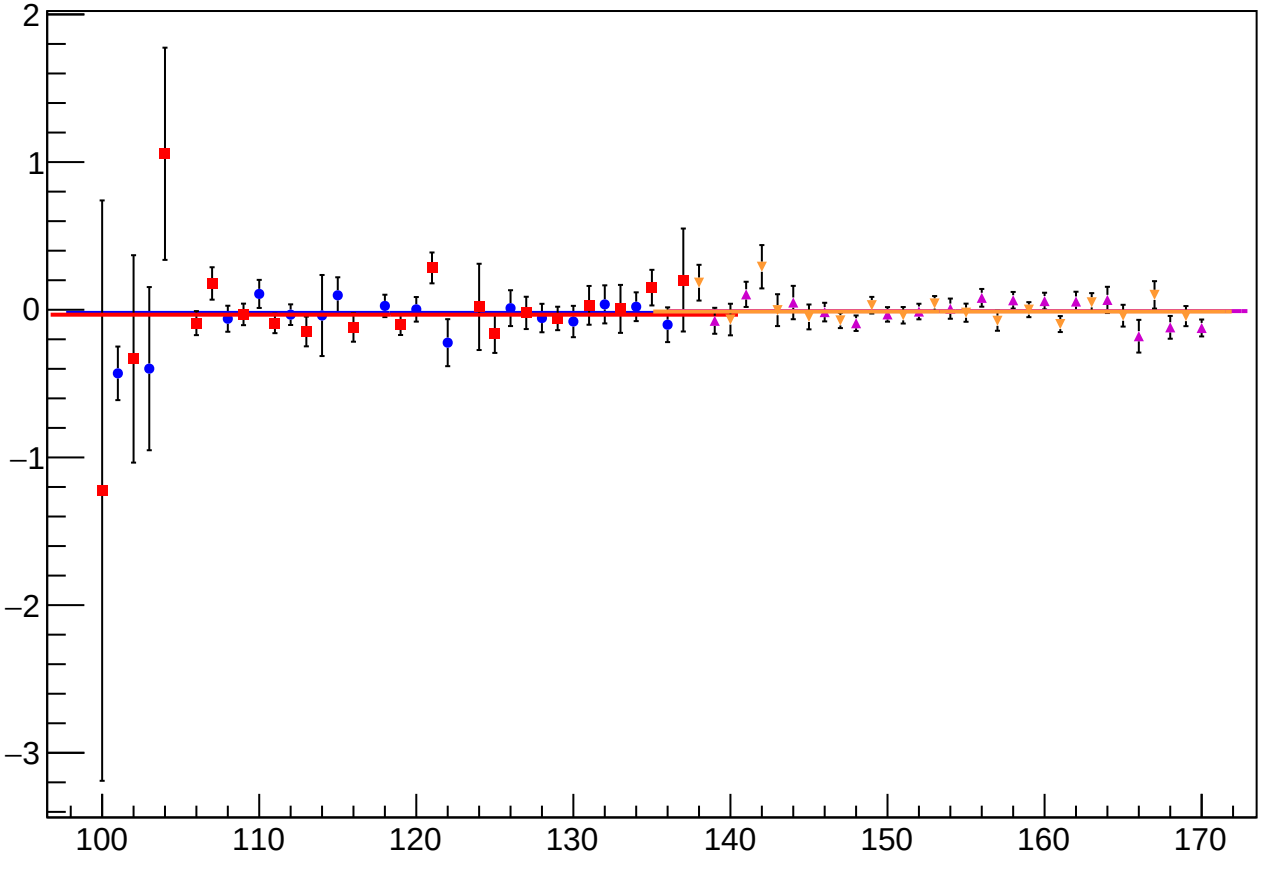
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3403293.2/31

Out: 0.000+/-0.000 χ^2/NDF:3816280.0/35

All: 0.000+/-0.000 χ^2/NDF: 7233880.6/67

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.016 χ^2/NDF:16.8/16

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.009+/-0.016 χ^2/NDF:20.8/15

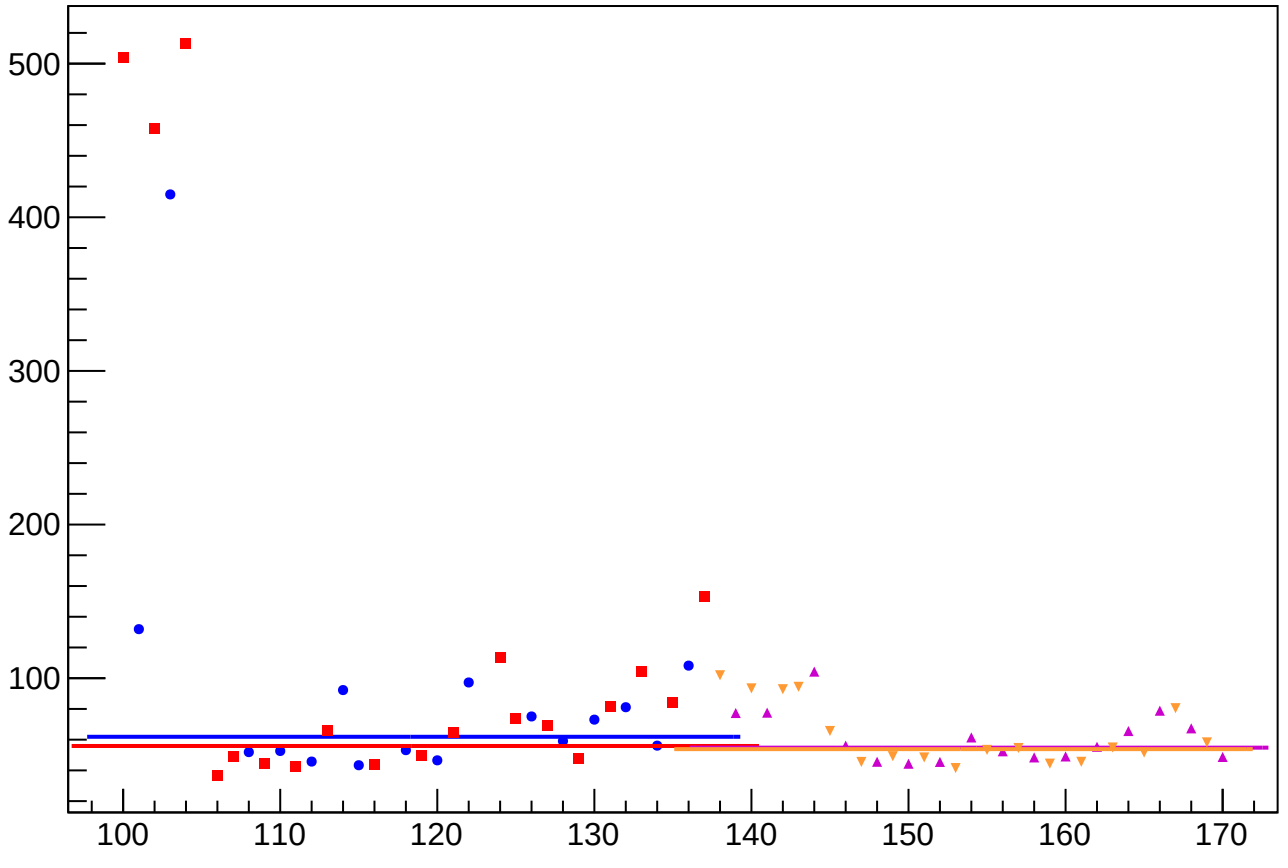
Left: -0.010+/-0.011 χ^2/NDF: 37.6/32

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.018+/-0.014 χ^2/NDF:41.7/35

All: -0.015+/-0.010 χ^2/NDF: 74.7/67



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.842+/-0.011 χ^2/NDF:1545902.7/16

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.801+/-0.012 χ^2/NDF:1139552.7/15

Left: 54.318+/-0.008 χ^2/NDF: 2688941.8/32

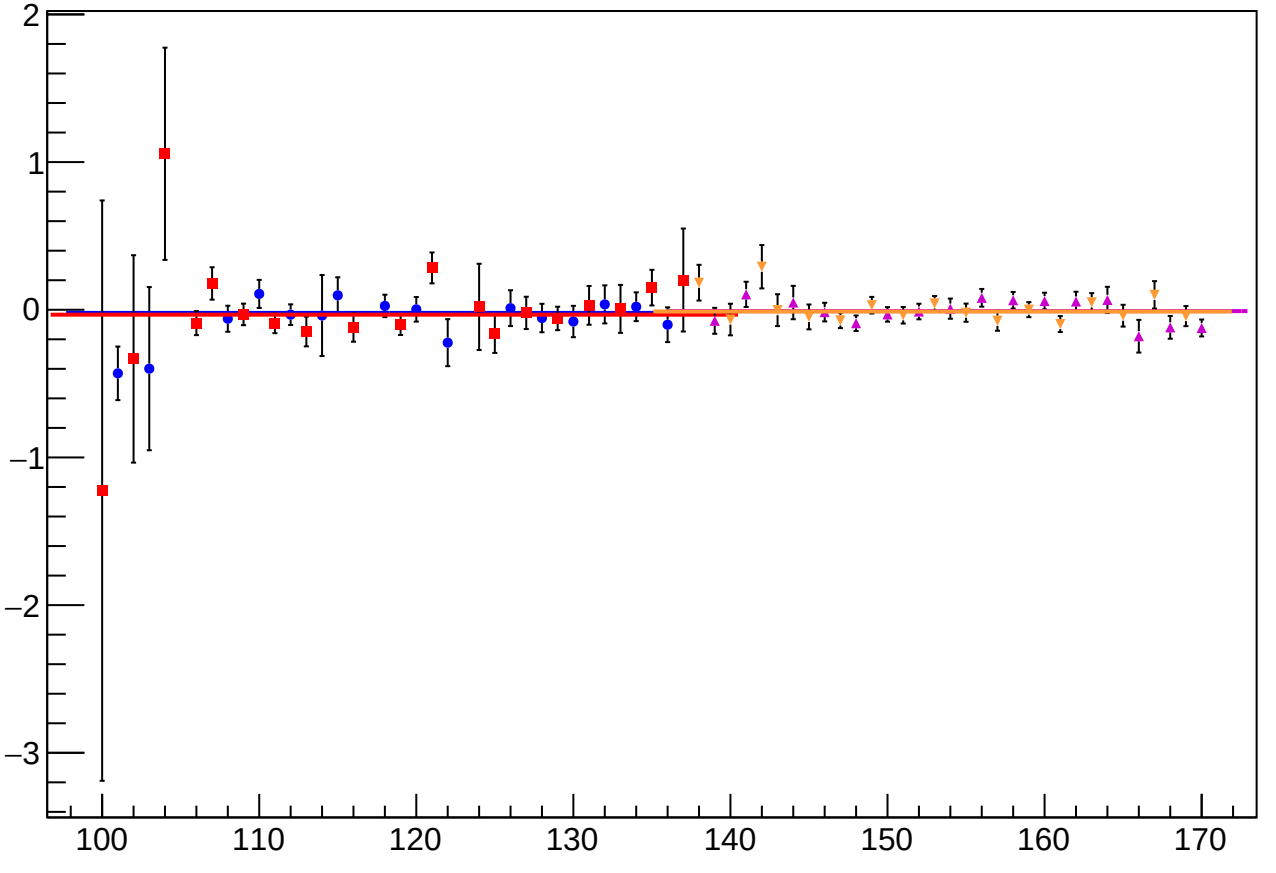
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.738+/-0.010 χ^2/NDF:3180597.4/31

Out: 54.461+/-0.010 χ^2/NDF:4146832.3/35

All: 55.569+/-0.007 χ^2/NDF: 7355000.8/67

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.016 χ^2/NDF:16.8/16

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.010+/-0.011 χ^2/NDF: 37.6/32

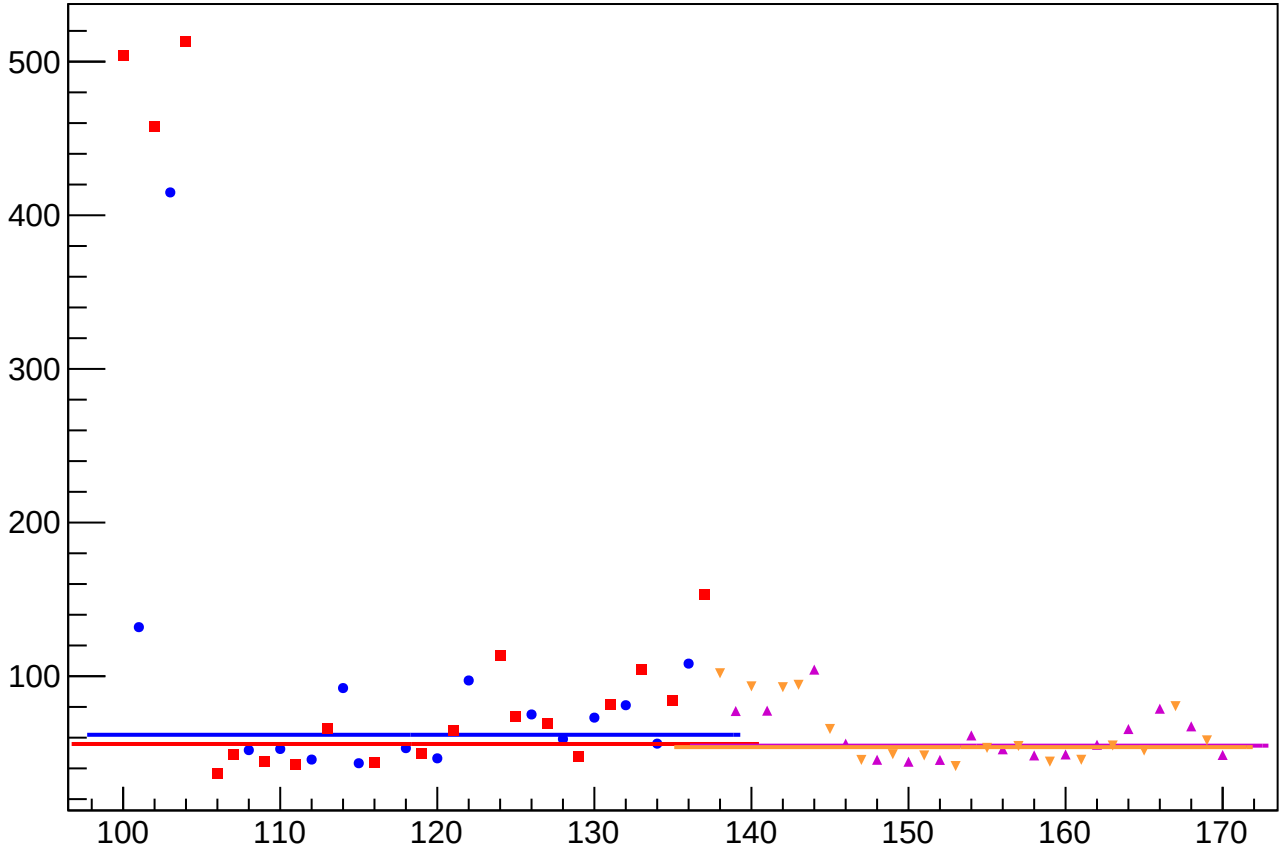
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.018+/-0.014 χ^2/NDF:41.7/35

All: -0.015+/-0.010 χ^2/NDF: 74.7/67

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.842+/-0.011 χ^2/NDF:1545902.7/16

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.801+/-0.012 χ^2/NDF:1139552.7/15

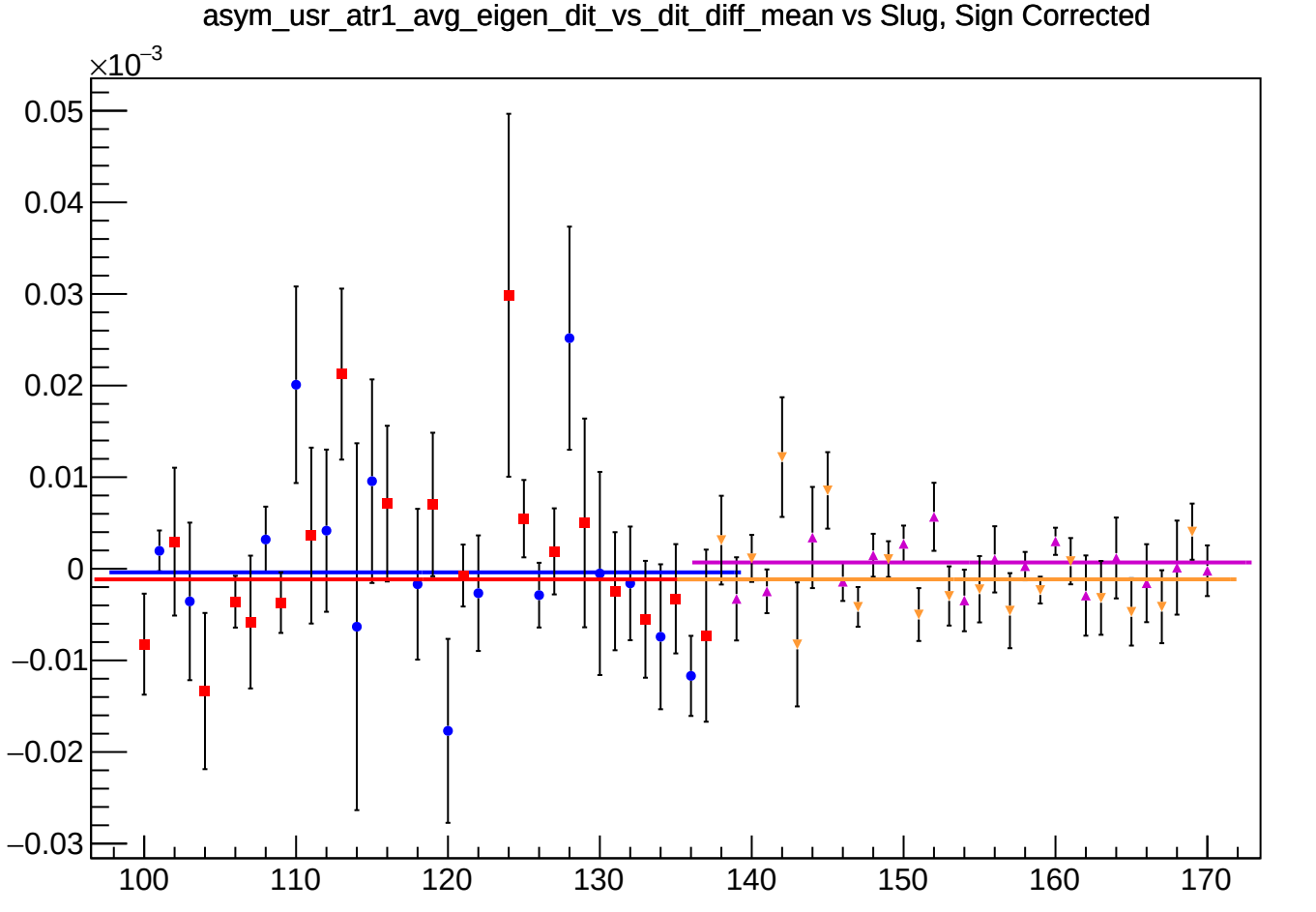
Left: 54.318+/-0.008 χ^2/NDF: 2688941.8/32

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.738+/-0.010 χ^2/NDF:3180597.4/31

Out: 54.461+/-0.010 χ^2/NDF:4146832.3/35

All: 55.569+/-0.007 χ^2/NDF: 7355000.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/15

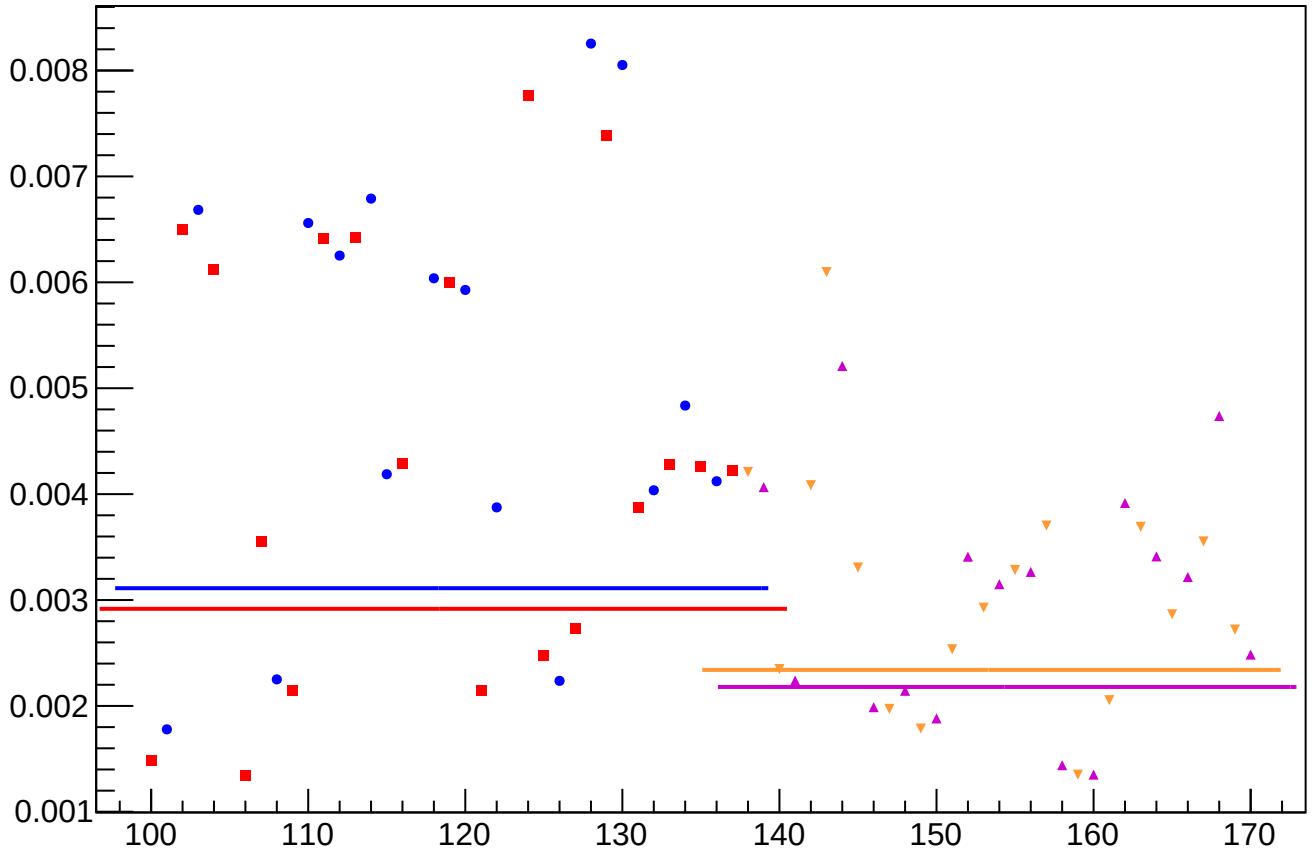
Left: -0.000+/-0.000 χ^2/NDF: 39.8/32

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/31

Out: -0.000+/-0.000 χ^2/NDF:44.7/35

All: -0.000+/-0.000 χ^2/NDF: 83.3/67



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3237529.2/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3765988.8/15

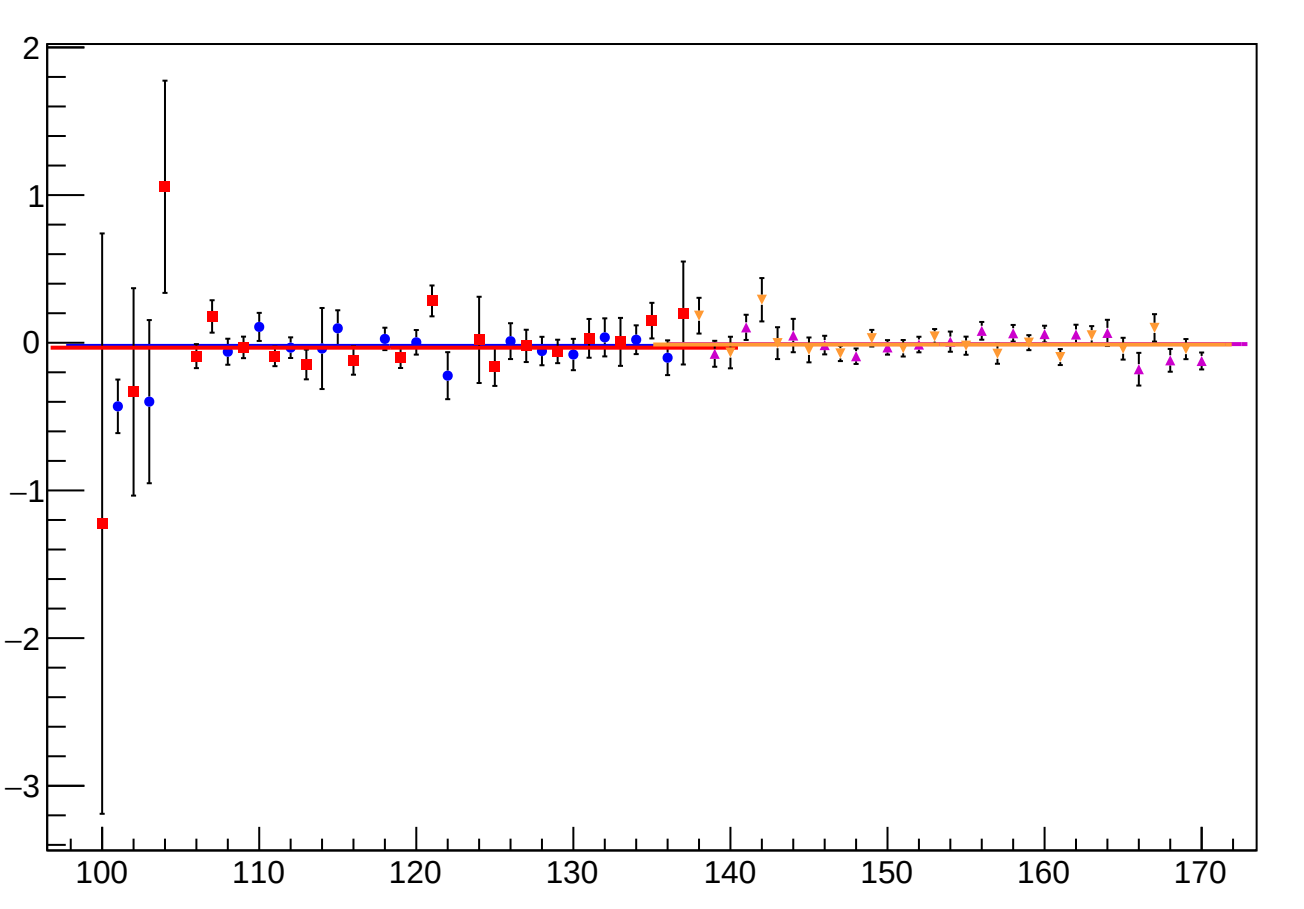
Left: 0.002+/-0.000 χ^2/NDF: 7060526.5/32

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7841367.8/31

Out: 0.002+/-0.000 χ^2/NDF:6856510.0/35

All: 0.002+/-0.000 χ^2/NDF: 14736574.0/67



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.016 χ^2/NDF:16.8/16

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.010+/-0.011 χ^2/NDF: 37.6/32

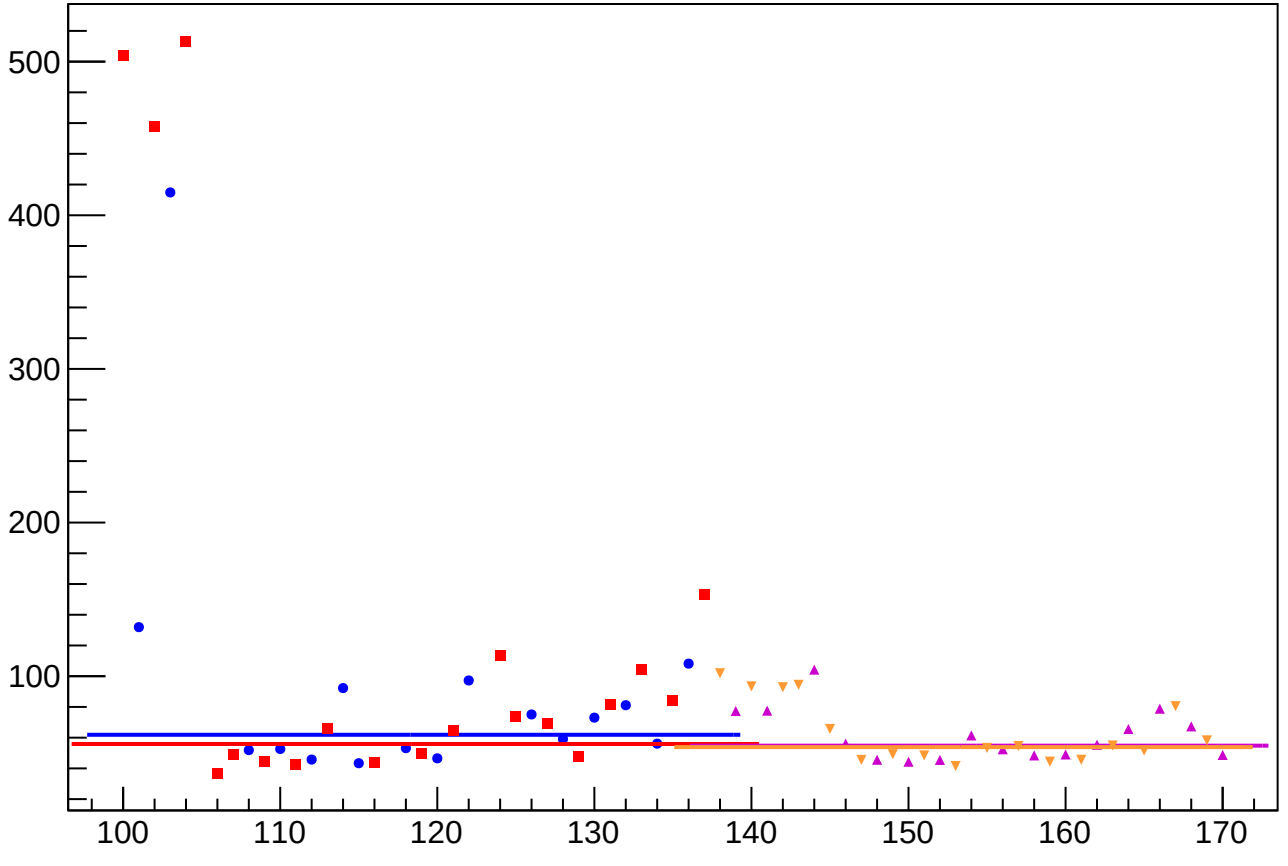
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.018+/-0.014 χ^2/NDF:41.7/35

All: -0.015+/-0.010 χ^2/NDF: 74.7/67

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.842+/-0.011 χ^2/NDF:1545950.1/16

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.801+/-0.012 χ^2/NDF:1139546.5/15

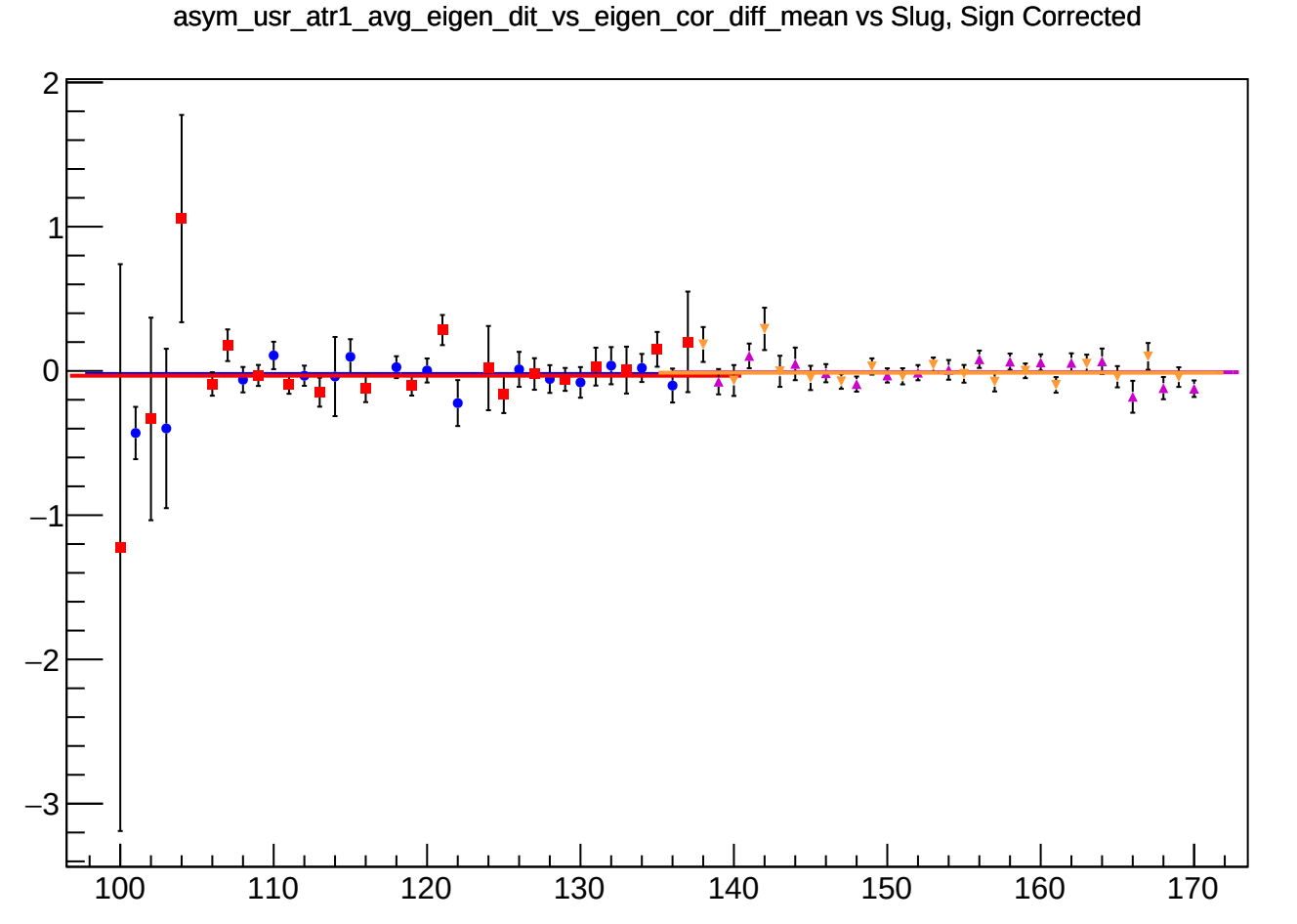
Left: 54.318+/-0.008 χ^2/NDF: 2688984.5/32

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.738+/-0.010 χ^2/NDF:3180519.5/31

Out: 54.461+/-0.010 χ^2/NDF:4146830.8/35

All: 55.569+/-0.007 χ^2/NDF: 7354927.1/67



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.016 χ^2/NDF:16.8/16

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.010+/-0.011 χ^2/NDF: 37.6/32

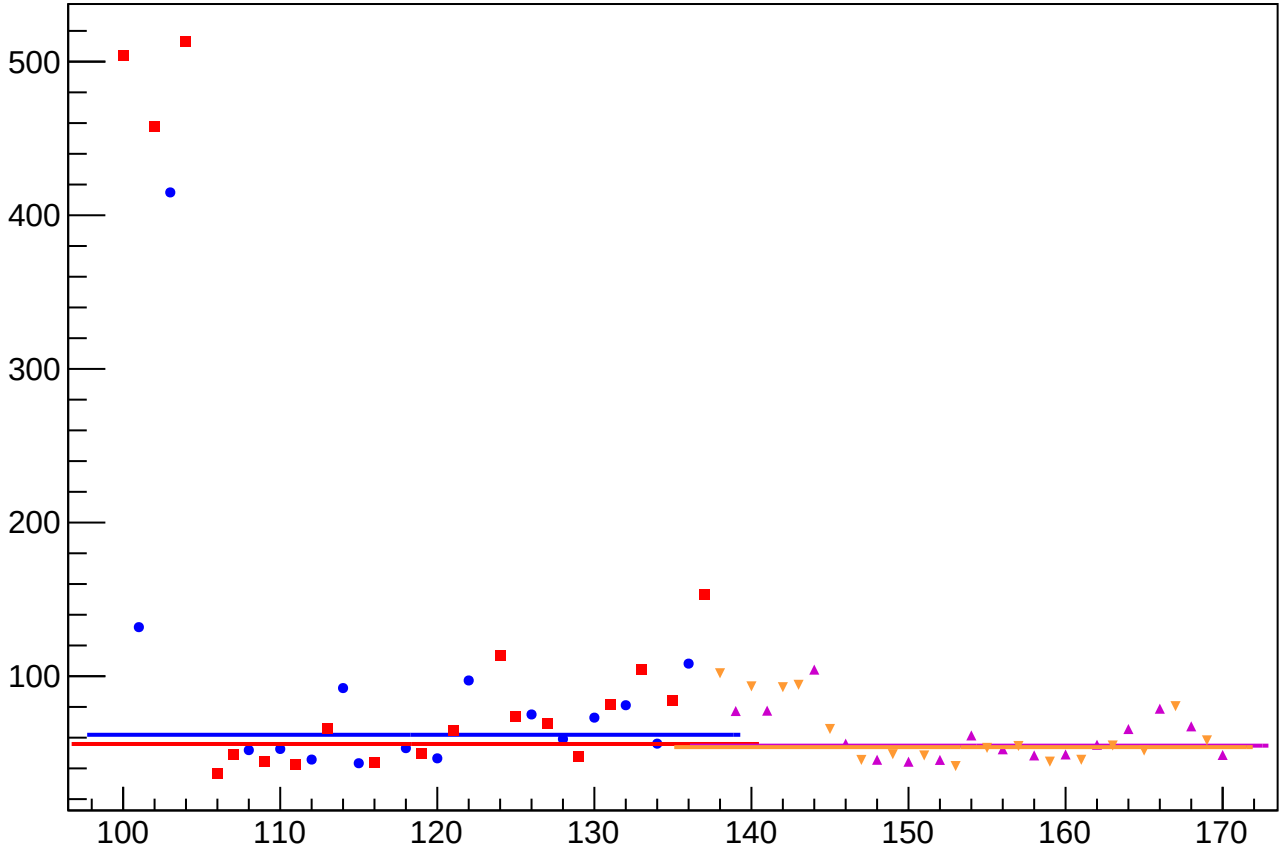
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.018+/-0.014 χ^2/NDF:41.7/35

All: -0.015+/-0.010 χ^2/NDF: 74.7/67

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.842+/-0.011 χ^2/NDF:1545950.1/16

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.801+/-0.012 χ^2/NDF:1139546.5/15

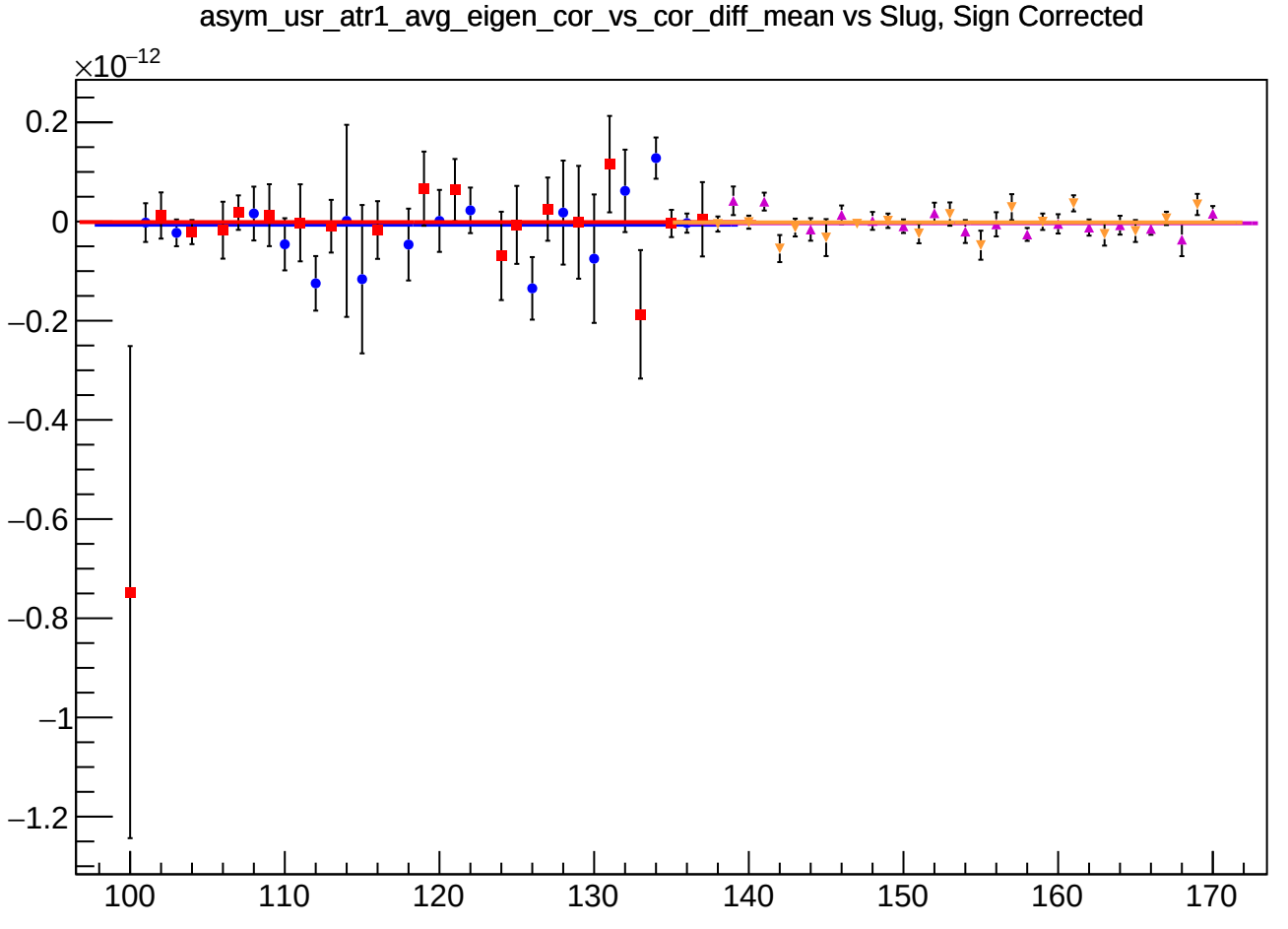
Left: 54.318+/-0.008 χ^2/NDF: 2688984.5/32

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.738+/-0.010 χ^2/NDF:3180519.5/31

Out: 54.461+/-0.010 χ^2/NDF:4146830.8/35

All: 55.569+/-0.007 χ^2/NDF: 7354927.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/15

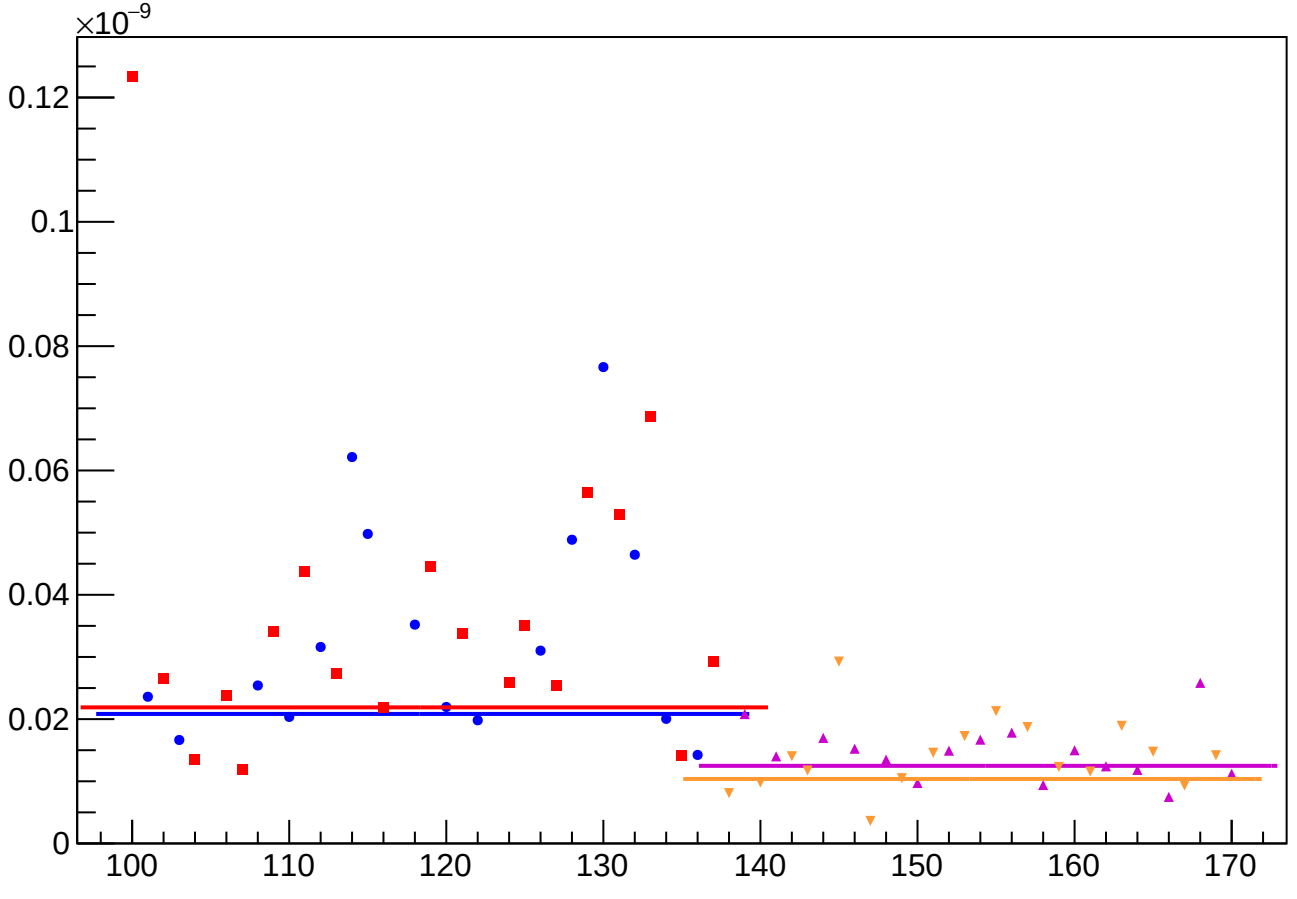
Left: -0.000+/-0.000 χ^2/NDF: 39.0/32

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:40.5/31

Out: -0.000+/-0.000 χ^2/NDF:30.7/35

All: -0.000+/-0.000 χ^2/NDF: 71.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3123484.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1406495.8/15

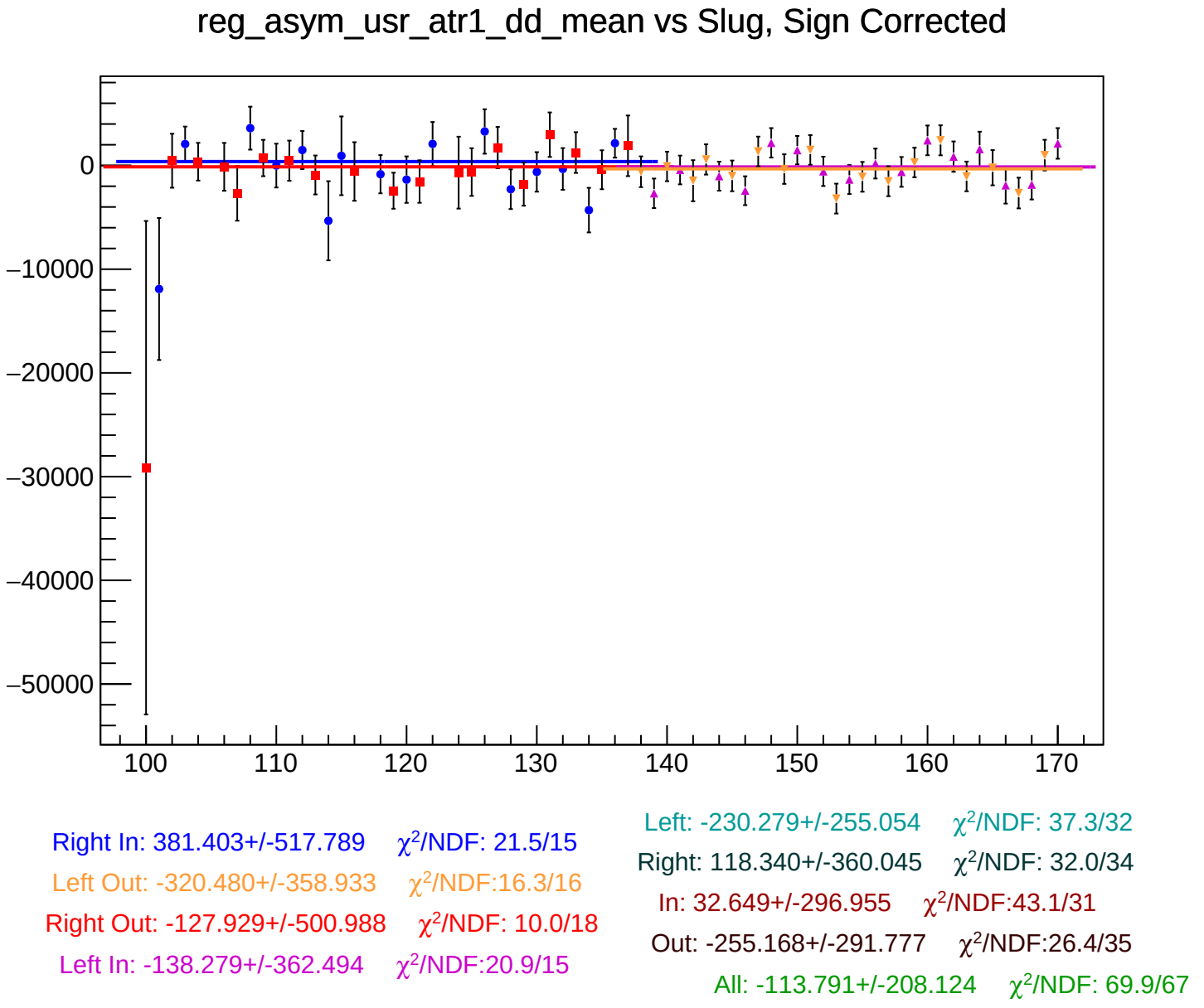
Left: 0.000+/-0.000 χ^2/NDF: 4774862.7/32

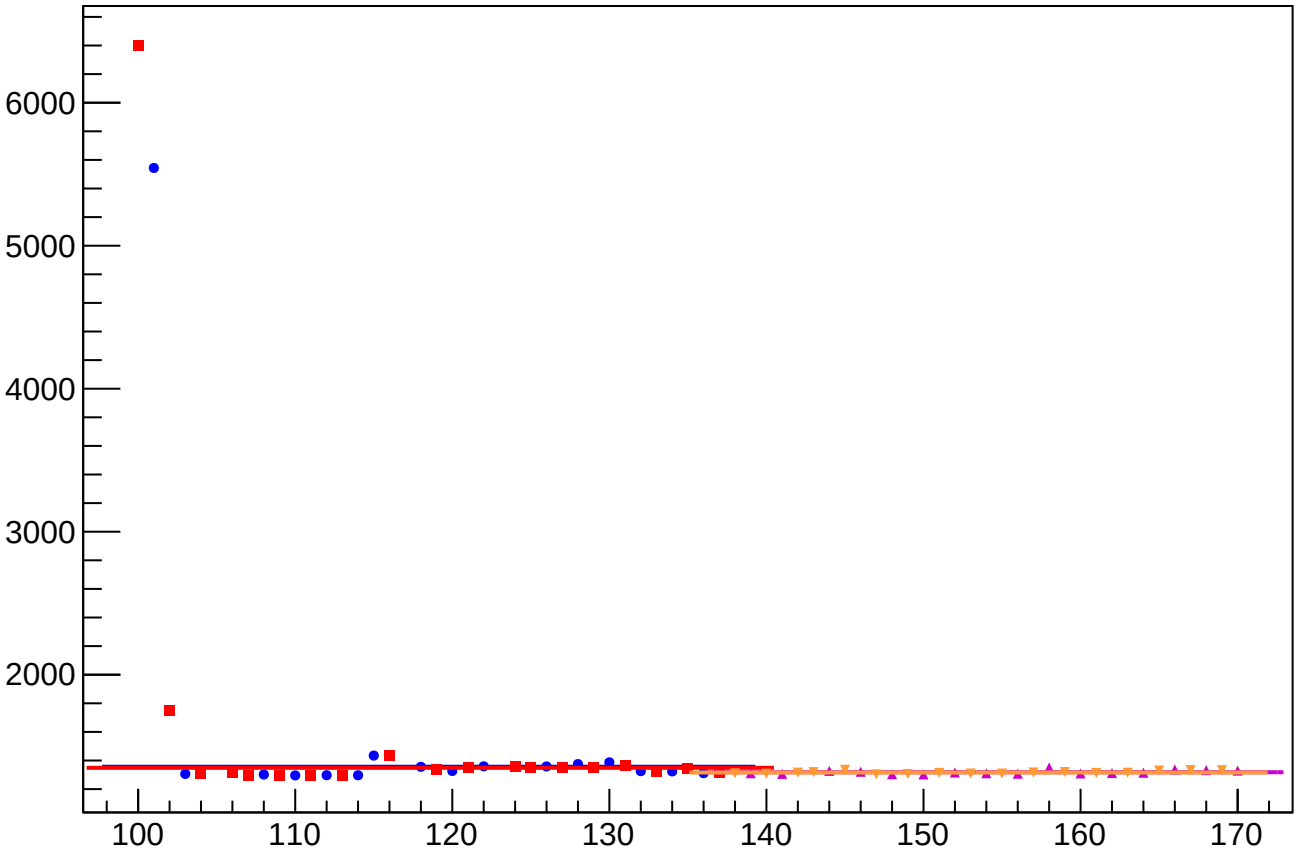
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3737714.3/31

Out: 0.000+/-0.000 χ^2/NDF:6707351.5/35

All: 0.000+/-0.000 χ^2/NDF: 10703027.7/67


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -320.480+/-358.933 χ²/NDF:16.3/16
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -138.279+/-362.494 χ²/NDF:20.9/15
Left: -230.279+/-255.054 χ²/NDF: 37.3/32
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: 32.649+/-296.955 χ²/NDF:43.1/31
Out: -255.168+/-291.777 χ²/NDF:26.4/35
All: -113.791+/-208.124 χ²/NDF: 69.9/67



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1316.233+/-0.254 χ^2/NDF:1443.7/16

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

Left: 1317.132+/-0.180 χ^2/NDF: 4115.2/32

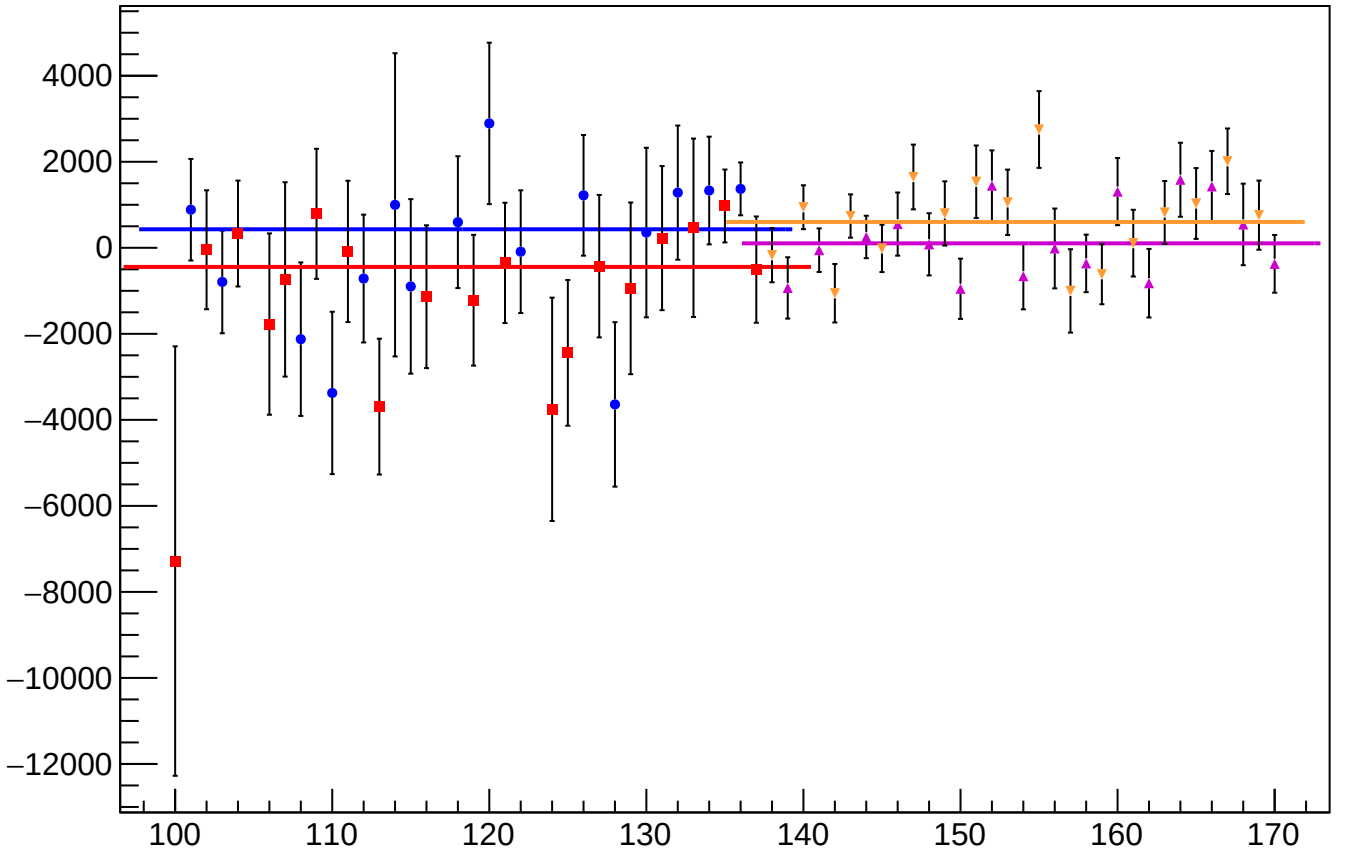
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.663+/-0.210 χ^2/NDF:770274.0/31

Out: 1327.338+/-0.206 χ^2/NDF:154354.3/35

All: 1328.971+/-0.147 χ^2/NDF: 924755.9/67

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 600.795+/-168.747 χ^2/NDF:28.6/16

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 103.801+/-177.545 χ^2/NDF:19.1/15

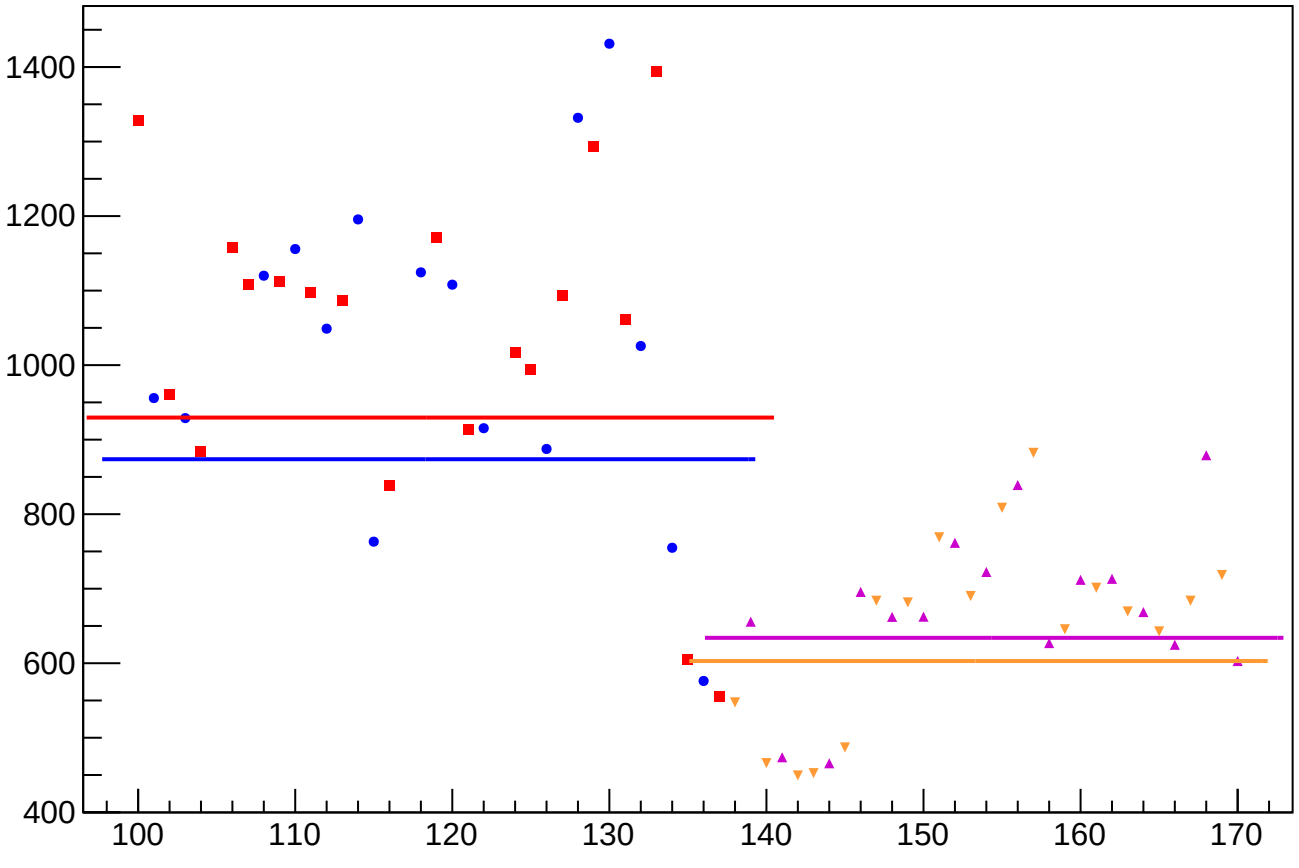
Left: 364.916+/-122.314 χ^2/NDF: 51.8/32

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 174.270+/-157.226 χ^2/NDF:38.0/31

Out: 408.655+/-152.452 χ^2/NDF:50.0/35

All: 295.075+/-109.449 χ^2/NDF: 89.2/67



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 602.941+/-0.119 χ^2/NDF:1075528.1/16

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 634.073+/-0.126 χ^2/NDF:809294.5/15

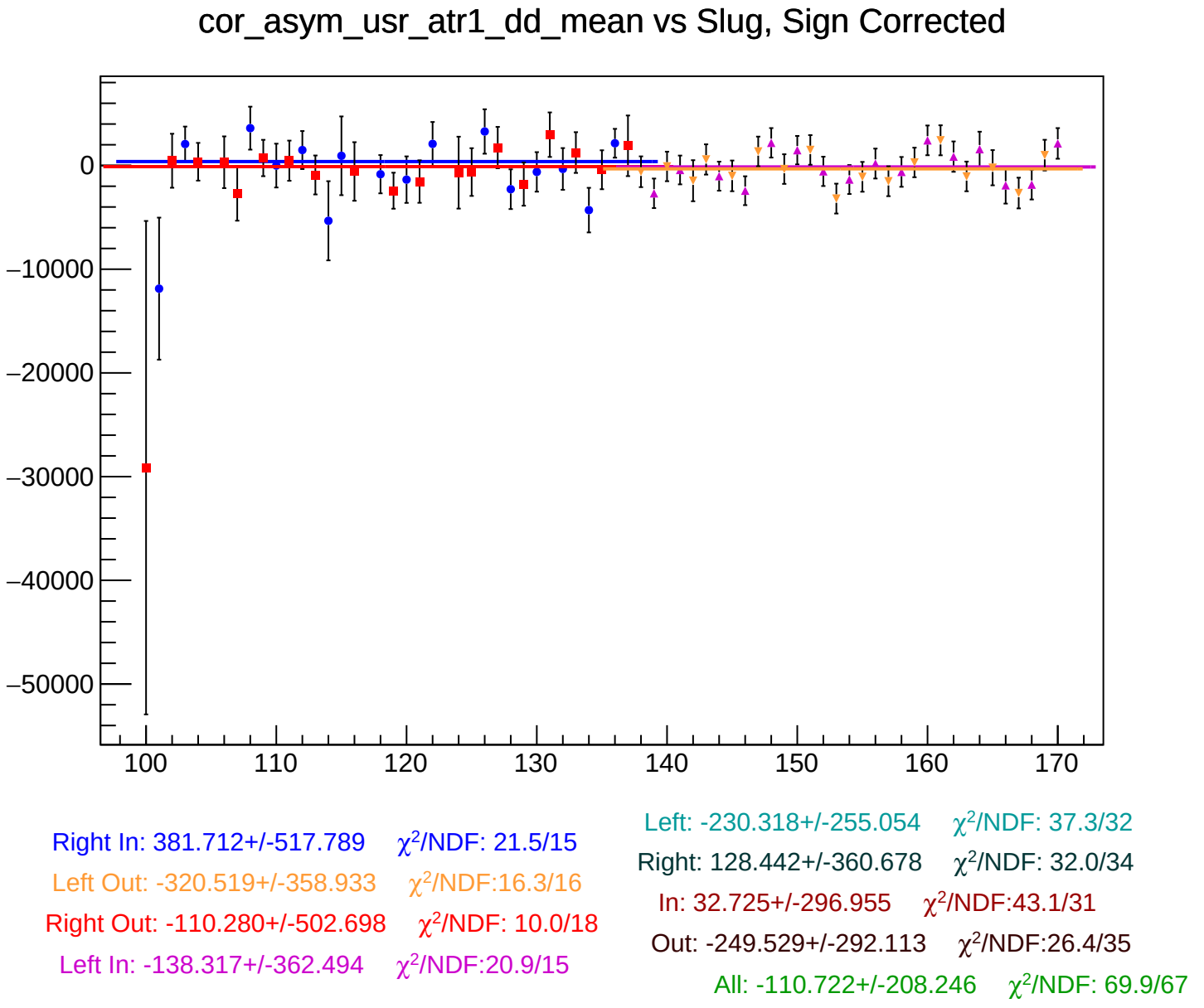
Left: 617.716+/-0.086 χ^2/NDF: 1917130.5/32

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

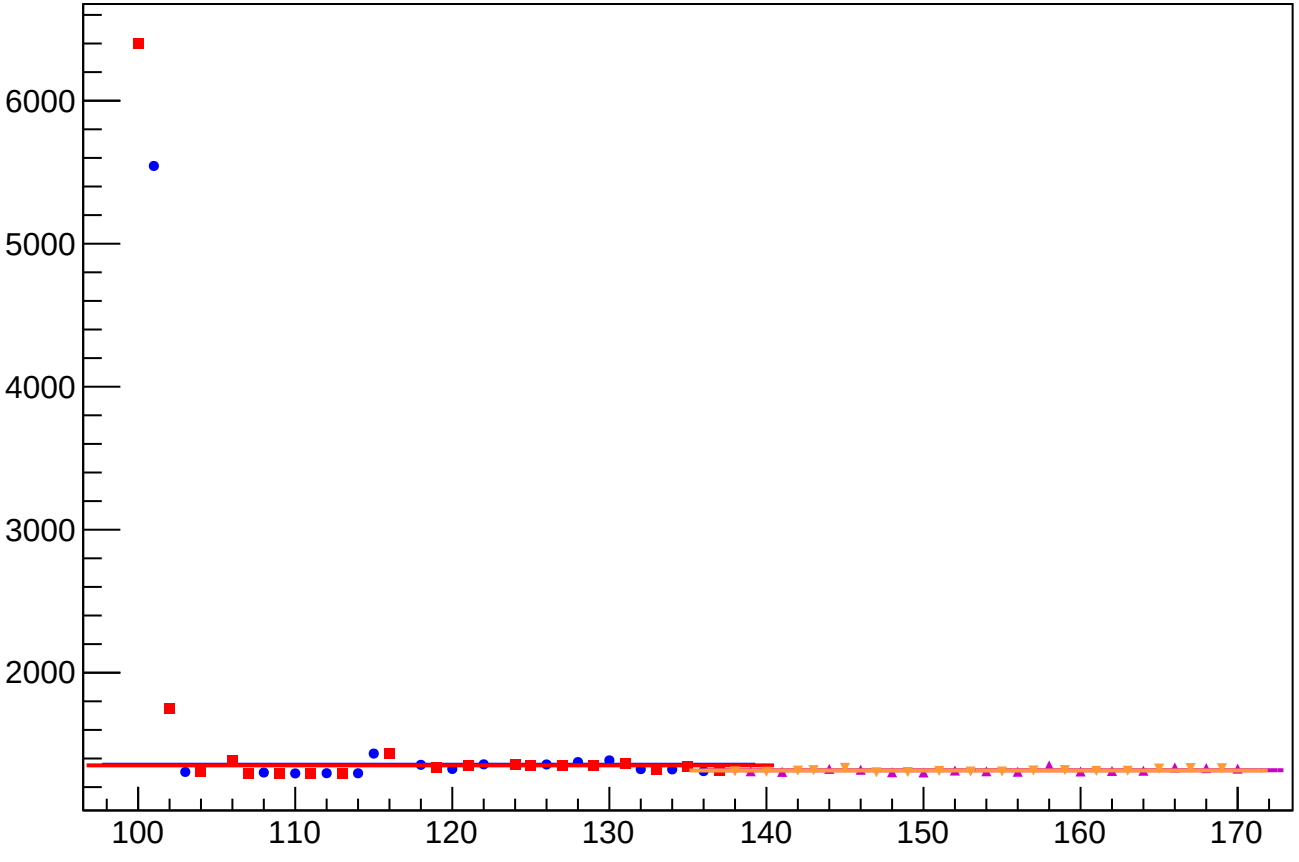
In: 685.789+/-0.111 χ^2/NDF:2610548.3/31

Out: 662.989+/-0.108 χ^2/NDF:3313314.4/35

All: 674.038+/-0.077 χ^2/NDF: 5945540.7/67


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: -320.519+/-358.933 χ²/NDF:16.3/16
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -138.317+/-362.494 χ²/NDF:20.9/15
Left: -230.318+/-255.054 χ²/NDF: 37.3/32
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 32.725+/-296.955 χ²/NDF:43.1/31
Out: -249.529+/-292.113 χ²/NDF:26.4/35
All: -110.722+/-208.246 χ²/NDF: 69.9/67

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.233+/-0.254 χ^2/NDF:1443.7/16

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

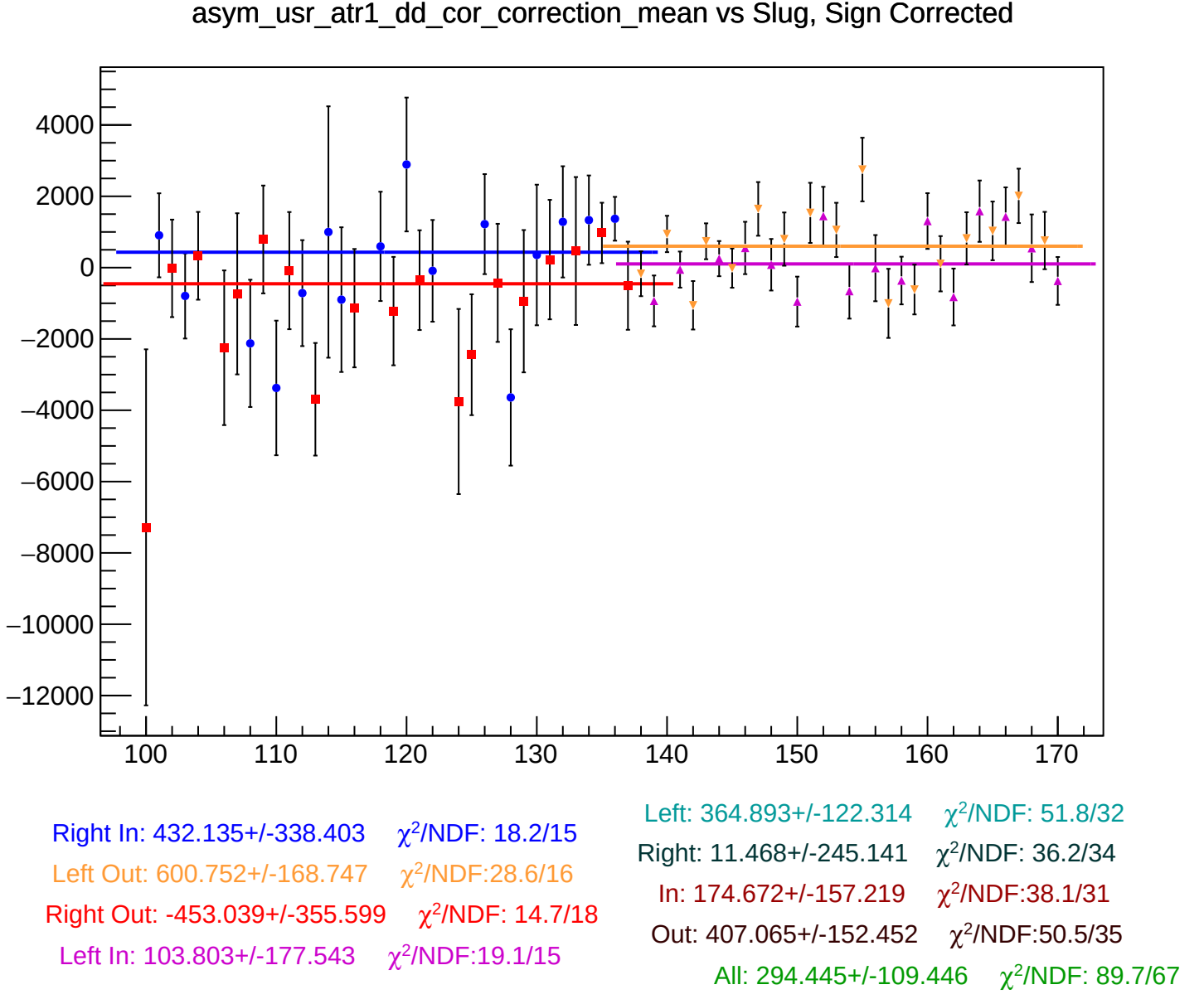
Left: 1317.132+/-0.180 χ^2/NDF: 4115.2/32

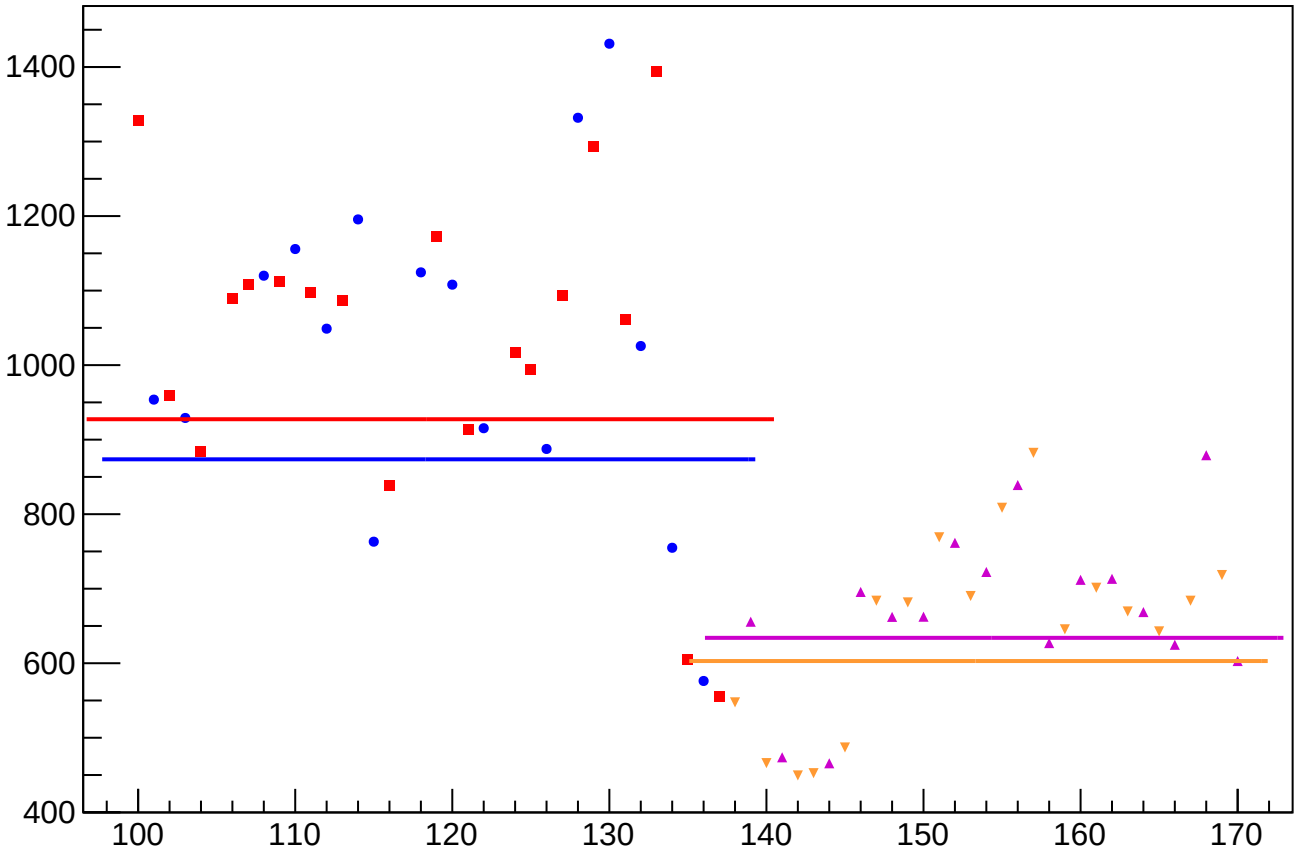
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.663+/-0.210 χ^2/NDF:770273.1/31

Out: 1328.338+/-0.207 χ^2/NDF:155507.6/35

All: 1329.481+/-0.147 χ^2/NDF: 925843.0/67


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 600.752+/-168.747 χ²/NDF:28.6/16
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 103.803+/-177.543 χ²/NDF:19.1/15
Left: 364.893+/-122.314 χ²/NDF: 51.8/32
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 174.672+/-157.219 χ²/NDF:38.1/31
Out: 407.065+/-152.452 χ²/NDF:50.5/35
All: 294.445+/-109.446 χ²/NDF: 89.7/67



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 602.942+/-0.119 χ^2/NDF:1075458.2/16

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 634.067+/-0.126 χ^2/NDF:809358.5/15

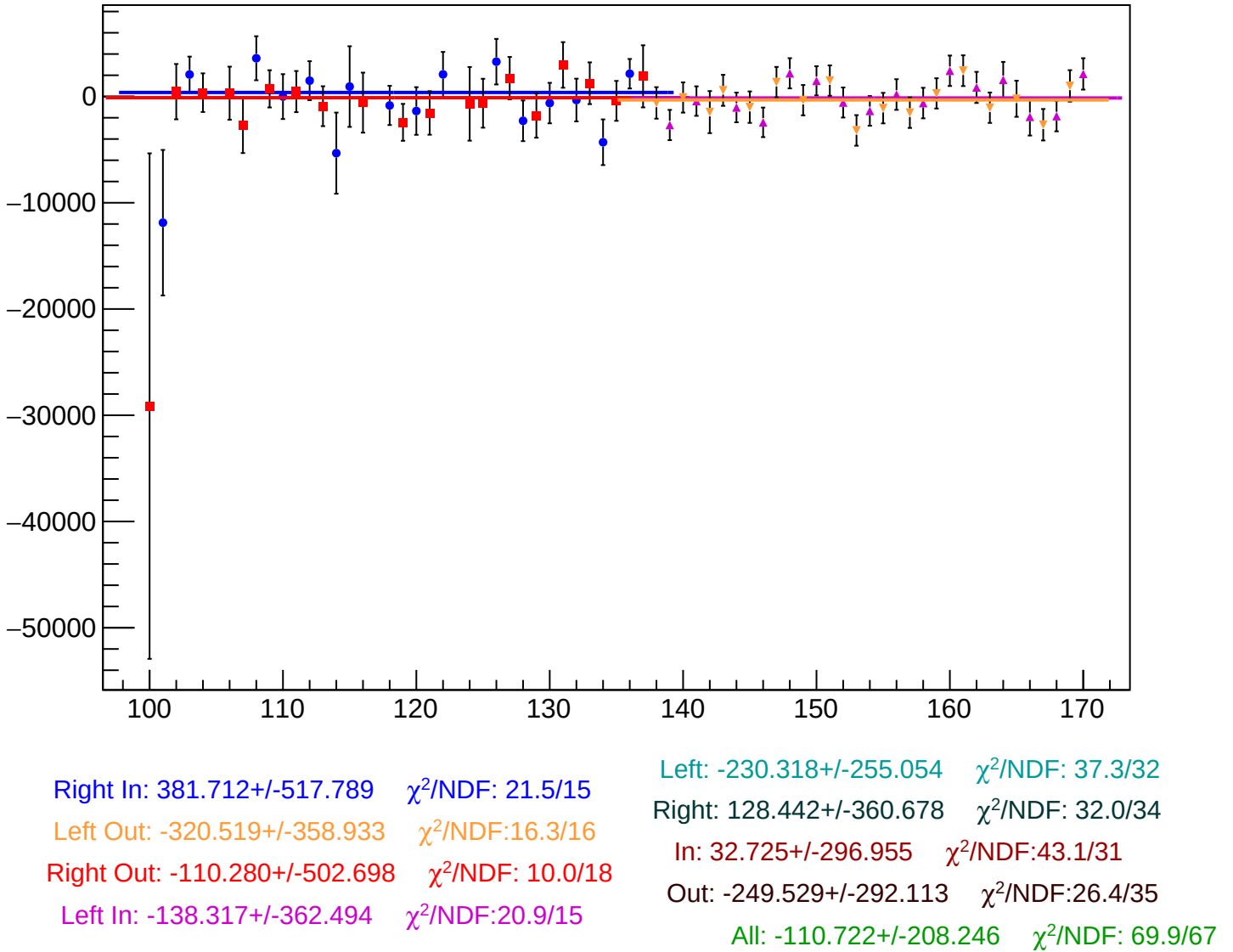
Left: 617.714+/-0.086 χ^2/NDF: 1917112.0/32

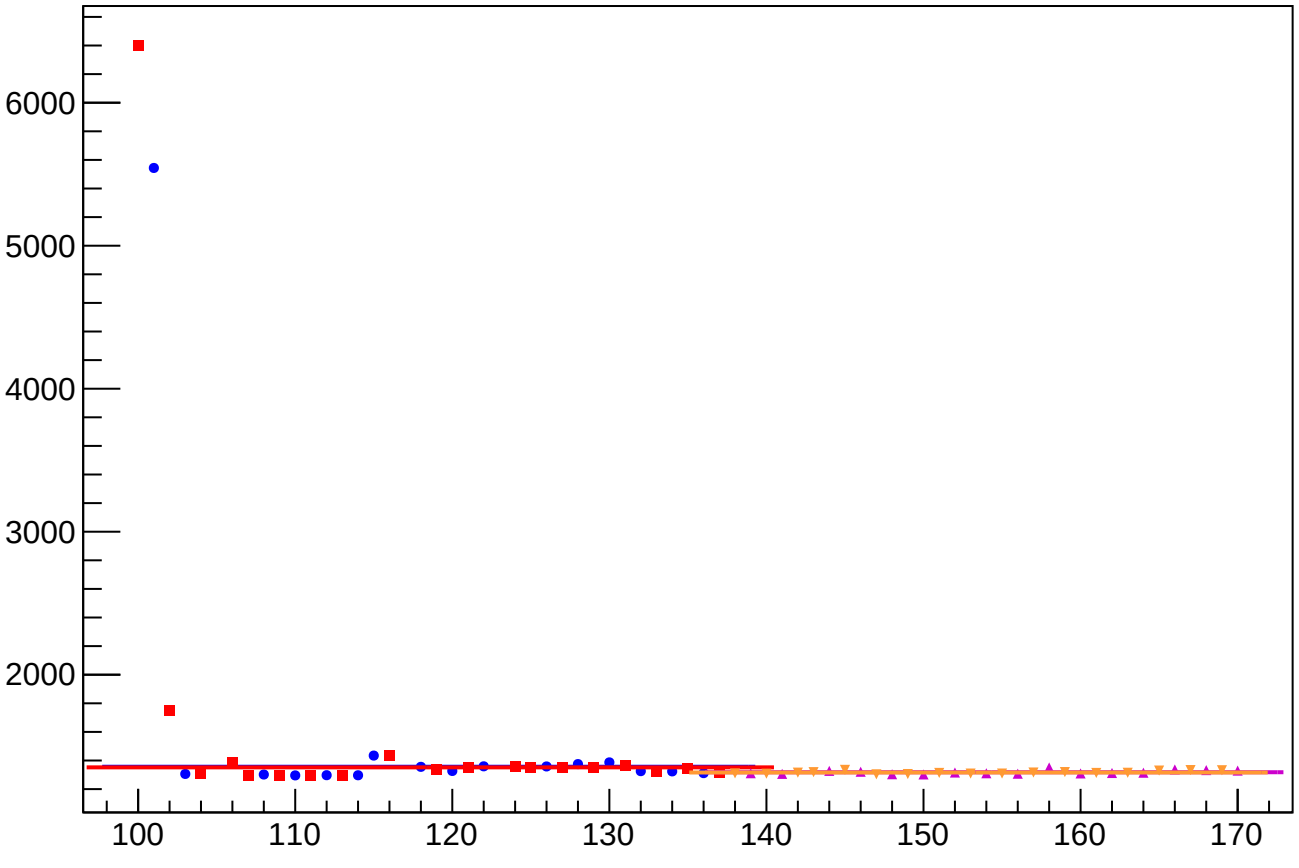
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.771+/-0.111 χ^2/NDF:2609571.3/31

Out: 662.578+/-0.108 χ^2/NDF:3281910.9/35

All: 673.818+/-0.077 χ^2/NDF: 5913912.9/67


eigen_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: -320.519+/-358.933 χ²/NDF:16.3/16
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -138.317+/-362.494 χ²/NDF:20.9/15
Left: -230.318+/-255.054 χ²/NDF: 37.3/32
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 32.725+/-296.955 χ²/NDF:43.1/31
Out: -249.529+/-292.113 χ²/NDF:26.4/35
All: -110.722+/-208.246 χ²/NDF: 69.9/67



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.233+/-0.254 χ^2/NDF:1443.7/16

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

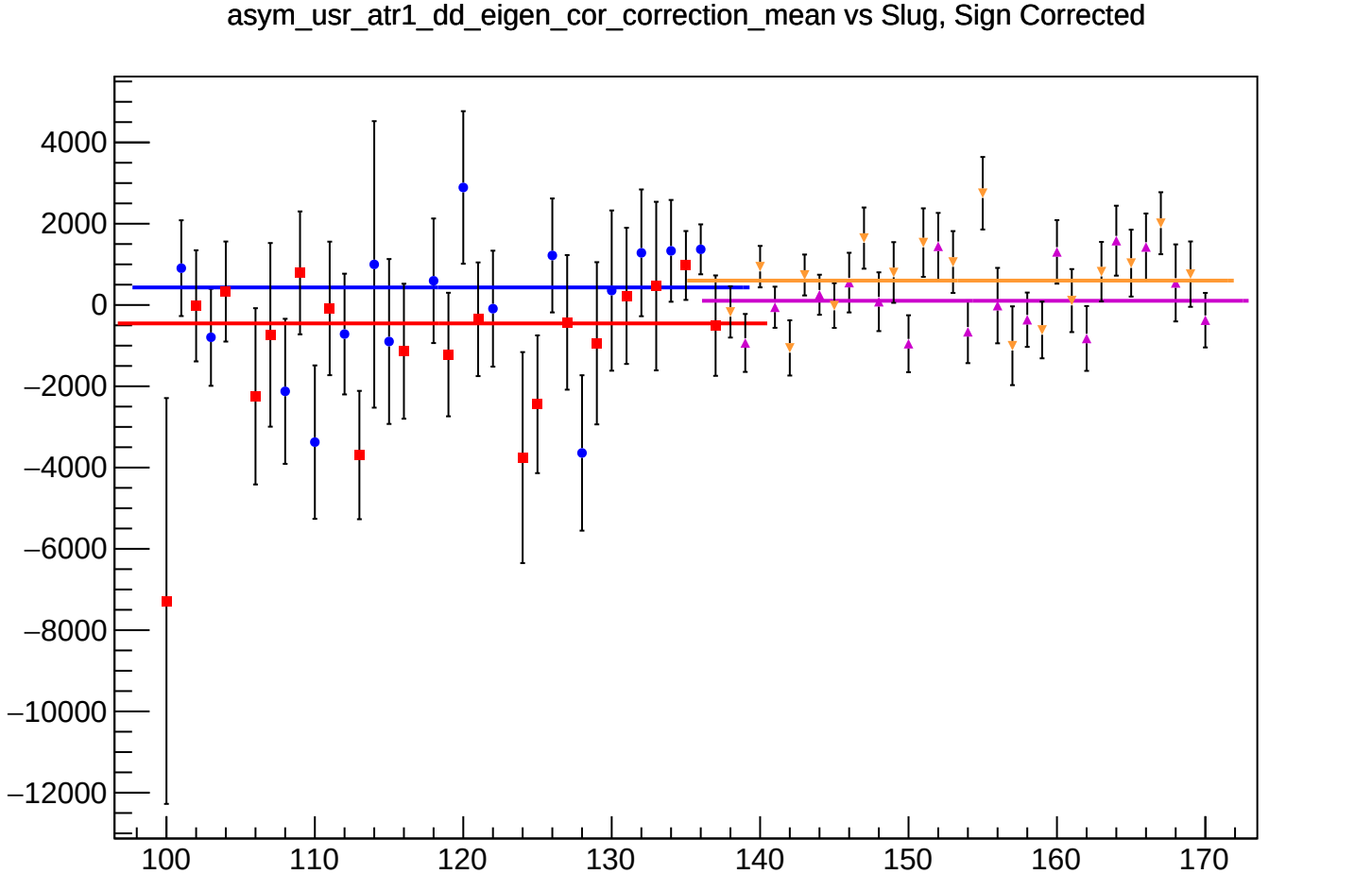
Left: 1317.132+/-0.180 χ^2/NDF: 4115.2/32

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.663+/-0.210 χ^2/NDF:770273.1/31

Out: 1328.338+/-0.207 χ^2/NDF:155507.6/35

All: 1329.481+/-0.147 χ^2/NDF: 925843.0/67



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 600.752+/-168.747 χ^2/NDF:28.6/16

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 103.803+/-177.543 χ^2/NDF:19.1/15

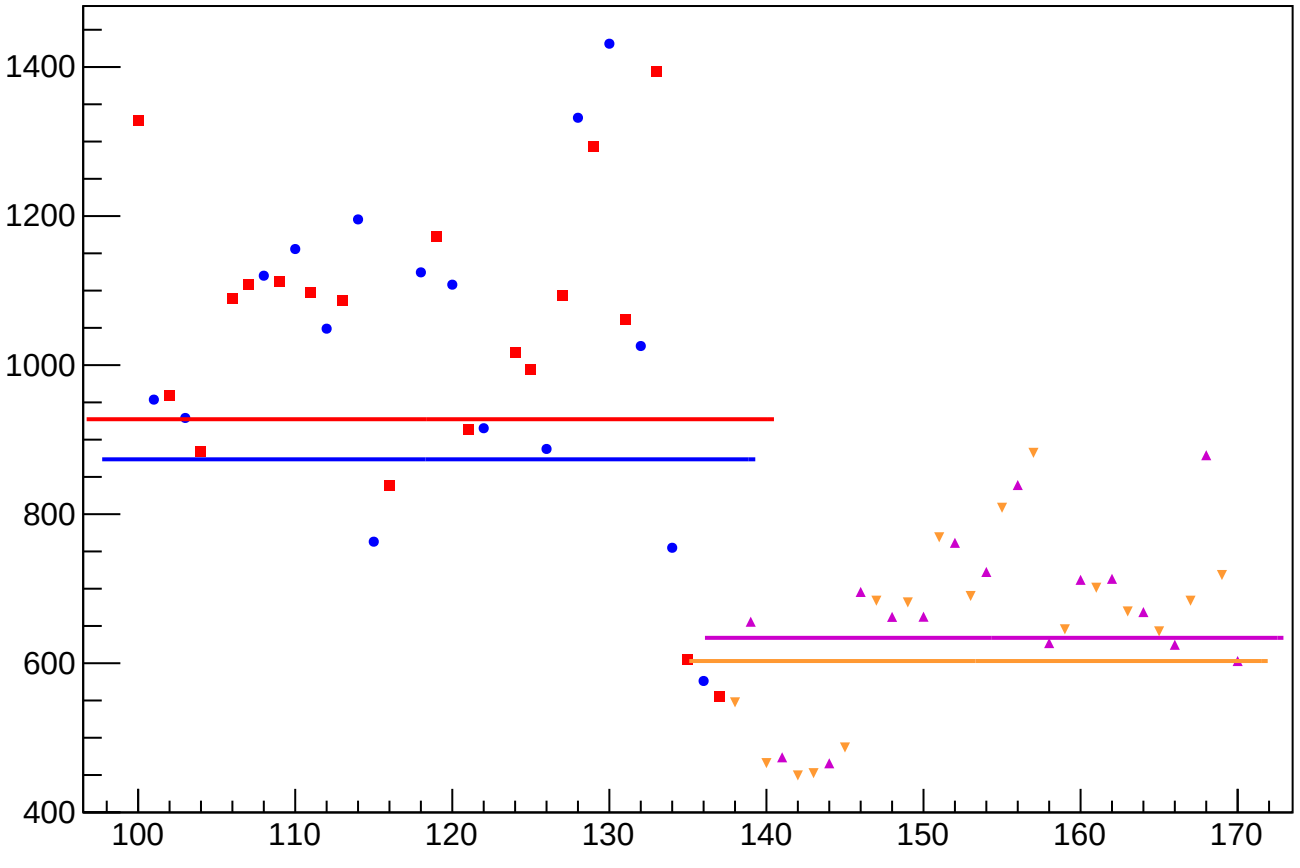
Left: 364.893+/-122.314 χ^2/NDF: 51.8/32

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 174.672+/-157.219 χ^2/NDF:38.1/31

Out: 407.065+/-152.452 χ^2/NDF:50.5/35

All: 294.445+/-109.446 χ^2/NDF: 89.7/67



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 602.942+/-0.119 χ^2/NDF:1075458.2/16

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 634.067+/-0.126 χ^2/NDF:809358.5/15

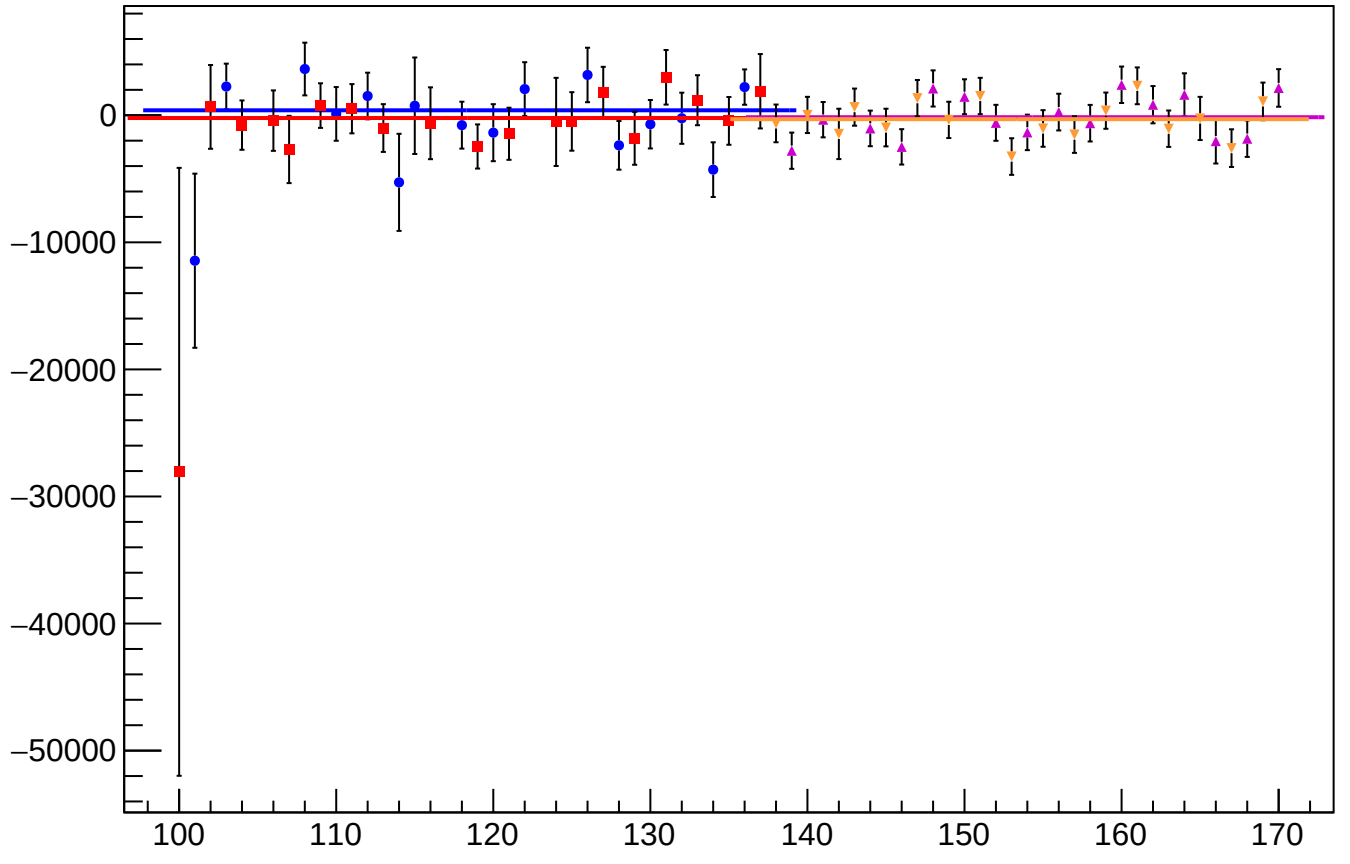
Left: 617.714+/-0.086 χ^2/NDF: 1917112.0/32

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.771+/-0.111 χ^2/NDF:2609571.3/31

Out: 662.578+/-0.108 χ^2/NDF:3281910.9/35

All: 673.818+/-0.077 χ^2/NDF: 5913912.9/67



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -307.362+/-359.216 χ^2/NDF:16.2/16

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -154.416+/-362.769 χ^2/NDF:21.2/15

Left: -231.642+/-255.251 χ^2/NDF: 37.5/32

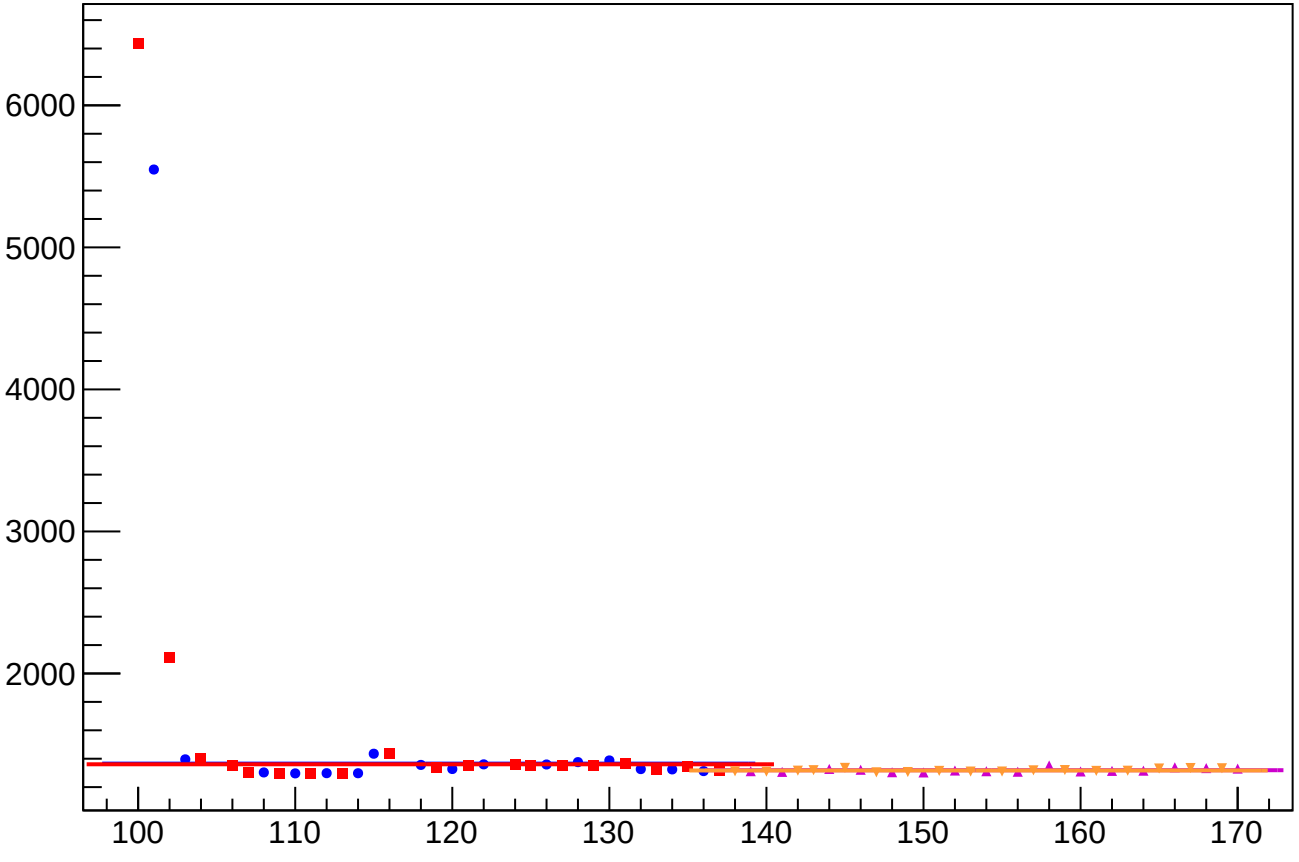
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 23.257+/-297.739 χ^2/NDF:43.3/31

Out: -277.629+/-293.283 χ^2/NDF:26.2/35

All: -129.455+/-208.940 χ^2/NDF: 70.0/67

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.268+/-0.254 χ^2/NDF:1451.1/16

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1319.048+/-0.257 χ^2/NDF:2673.1/15

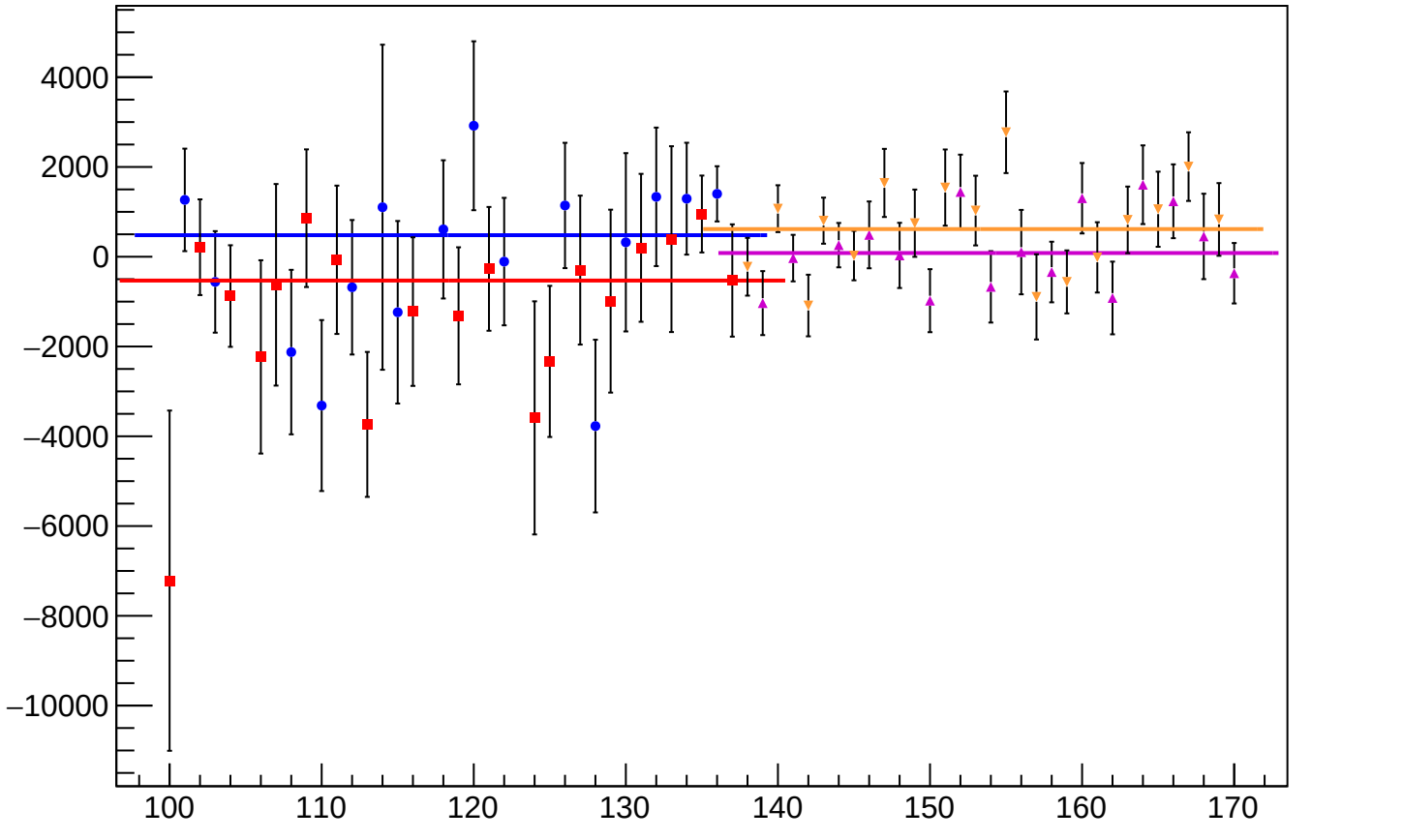
Left: 1318.149+/-0.180 χ^2/NDF: 4148.4/32

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.144+/-0.211 χ^2/NDF:772230.0/31

Out: 1331.772+/-0.207 χ^2/NDF:216545.8/35

All: 1332.940+/-0.148 χ^2/NDF: 988840.2/67



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 616.180+/-170.683 χ^2/NDF:28.6/16

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 82.721+/-179.317 χ^2/NDF:18.7/15

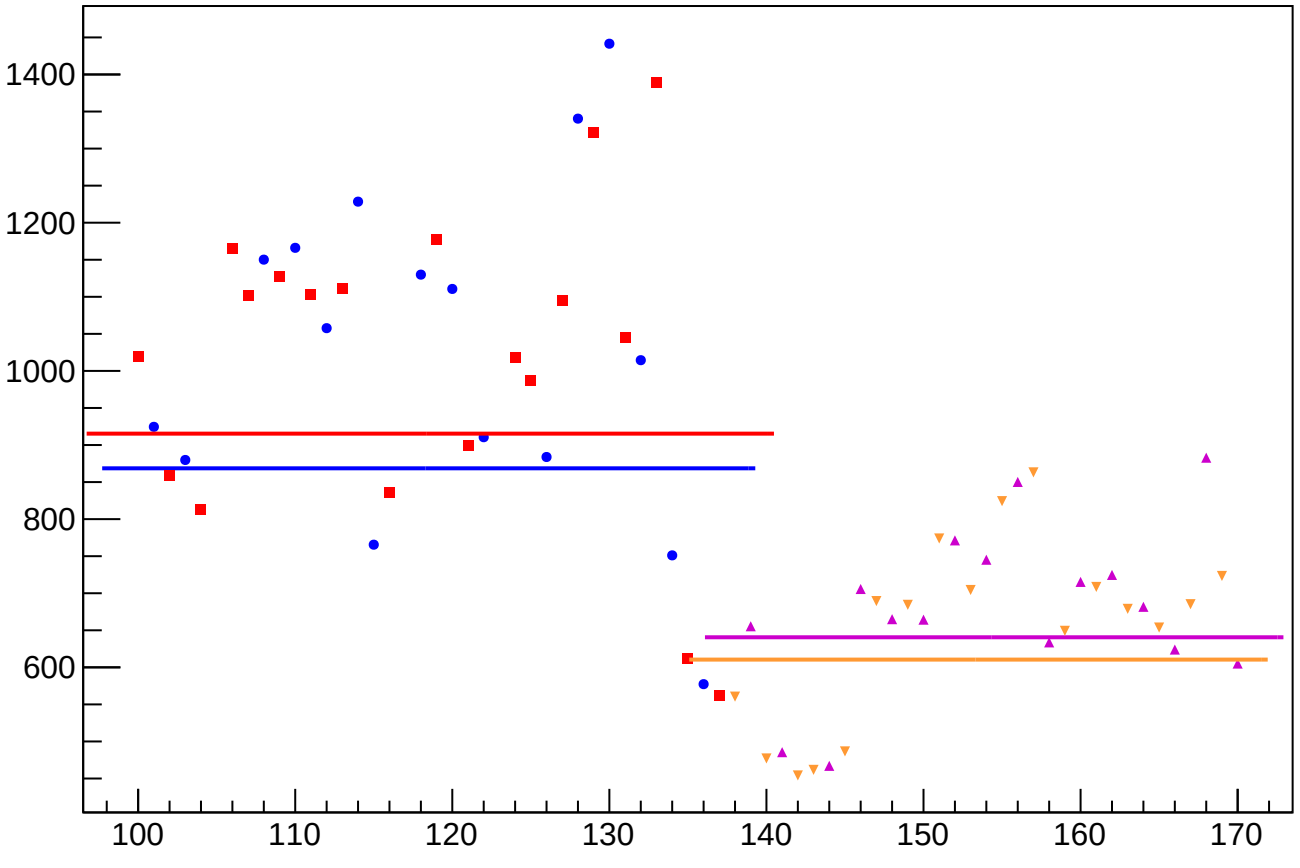
Left: 362.602+/-123.631 χ^2/NDF: 51.9/32

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 170.666+/-158.252 χ^2/NDF:38.4/31

Out: 391.855+/-153.080 χ^2/NDF:53.1/35

All: 284.934+/-110.027 χ^2/NDF: 92.5/67



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 610.466+/-0.121 χ^2/NDF:1030360.0/16

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 640.578+/-0.127 χ^2/NDF:809682.9/15

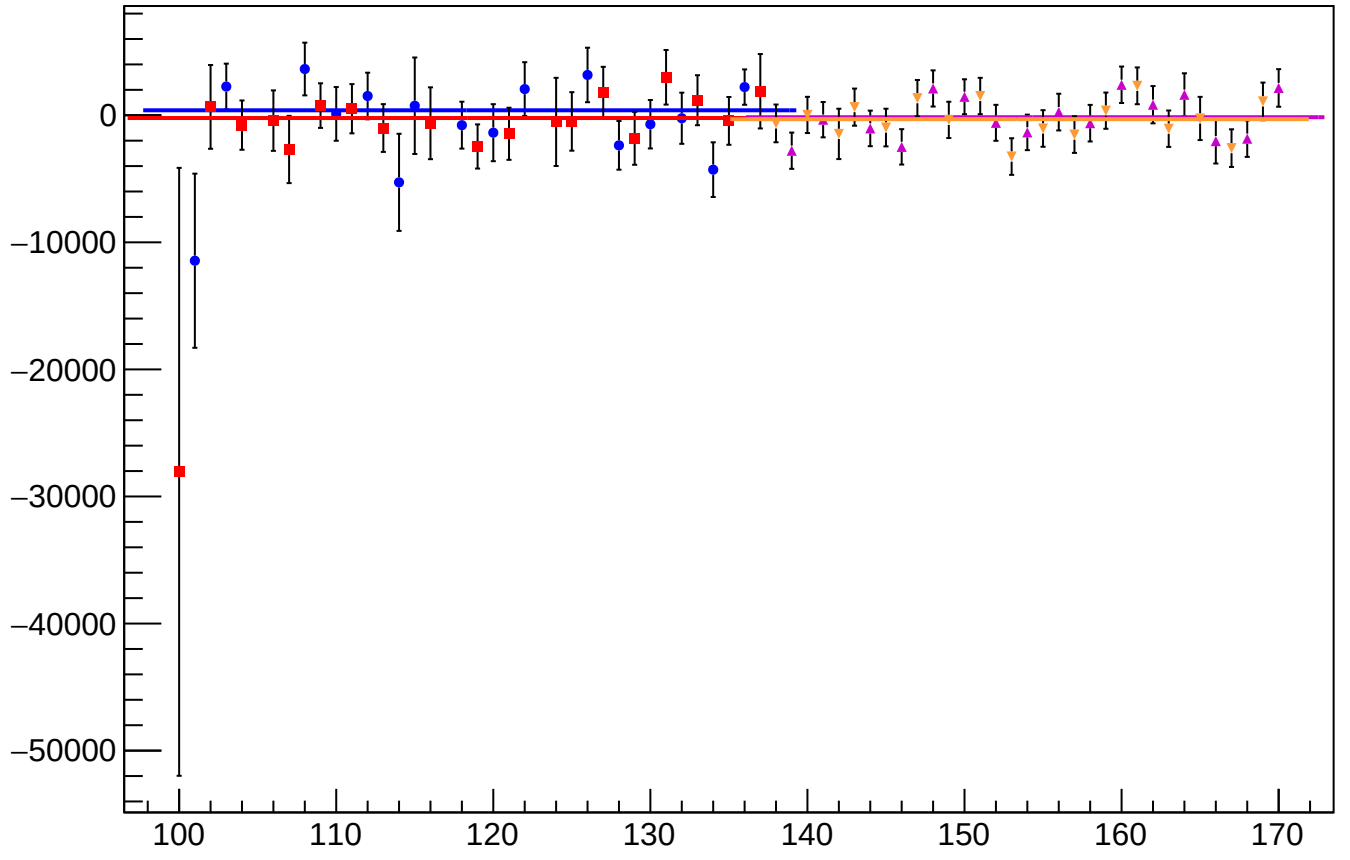
Left: 624.780+/-0.087 χ^2/NDF: 1869633.1/32

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.998+/-0.112 χ^2/NDF:2546026.8/31

Out: 670.111+/-0.108 χ^2/NDF:3137715.8/35

All: 680.207+/-0.078 χ^2/NDF: 5701741.4/67



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -307.363+/-359.216 χ^2/NDF:16.2/16

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -154.415+/-362.769 χ^2/NDF:21.2/15

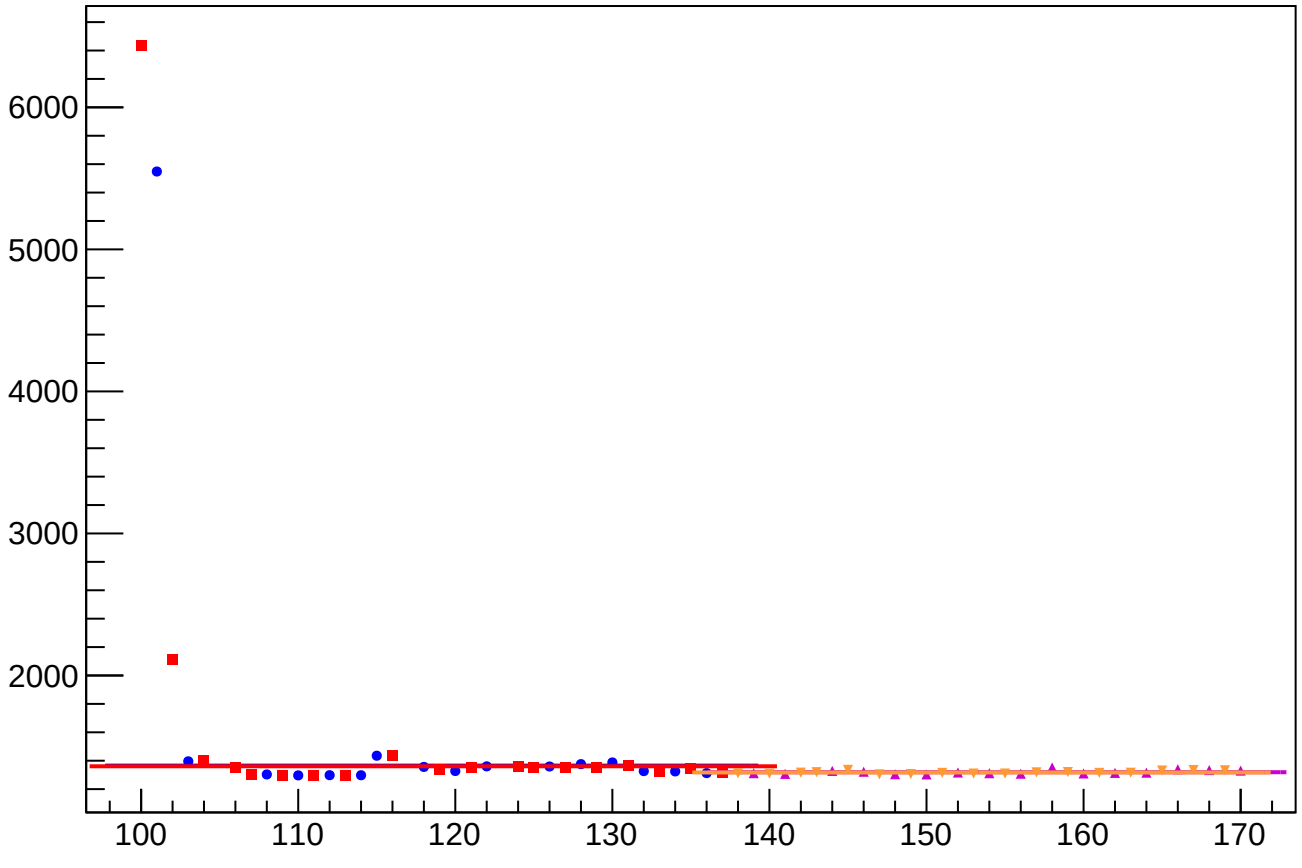
Left: -231.642+/-255.251 χ^2/NDF: 37.5/32

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 23.257+/-297.739 χ^2/NDF:43.3/31

Out: -277.630+/-293.283 χ^2/NDF:26.2/35

All: -129.455+/-208.940 χ^2/NDF: 70.0/67



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.268+/-0.254 χ^2/NDF:1451.1/16

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1319.048+/-0.257 χ^2/NDF:2673.1/15

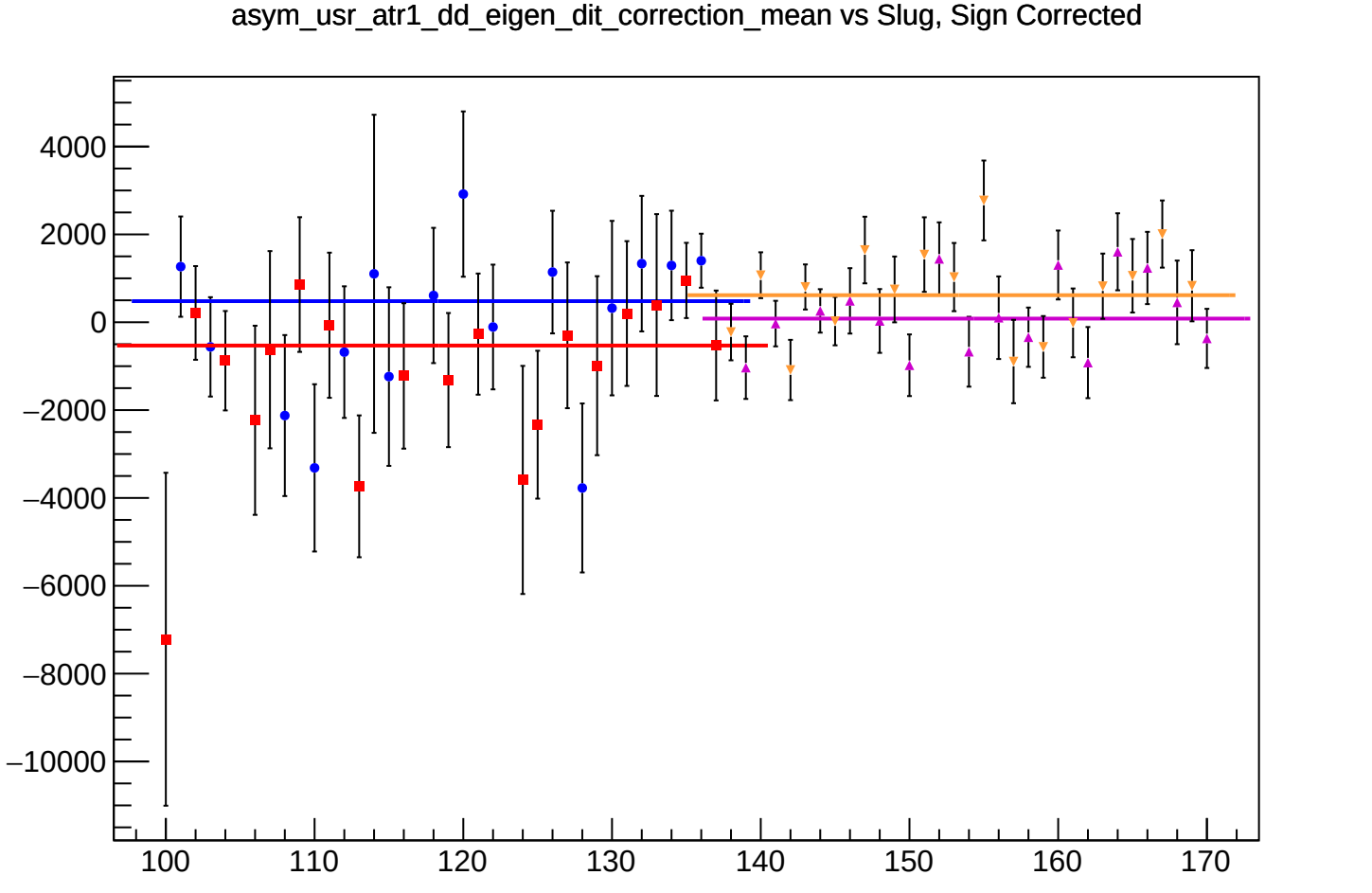
Left: 1318.149+/-0.180 χ^2/NDF: 4148.4/32

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.144+/-0.211 χ^2/NDF:772229.9/31

Out: 1331.772+/-0.207 χ^2/NDF:216545.7/35

All: 1332.940+/-0.148 χ^2/NDF: 988840.1/67



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 616.181+/-170.683 χ^2/NDF:28.6/16

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 82.722+/-179.317 χ^2/NDF:18.7/15

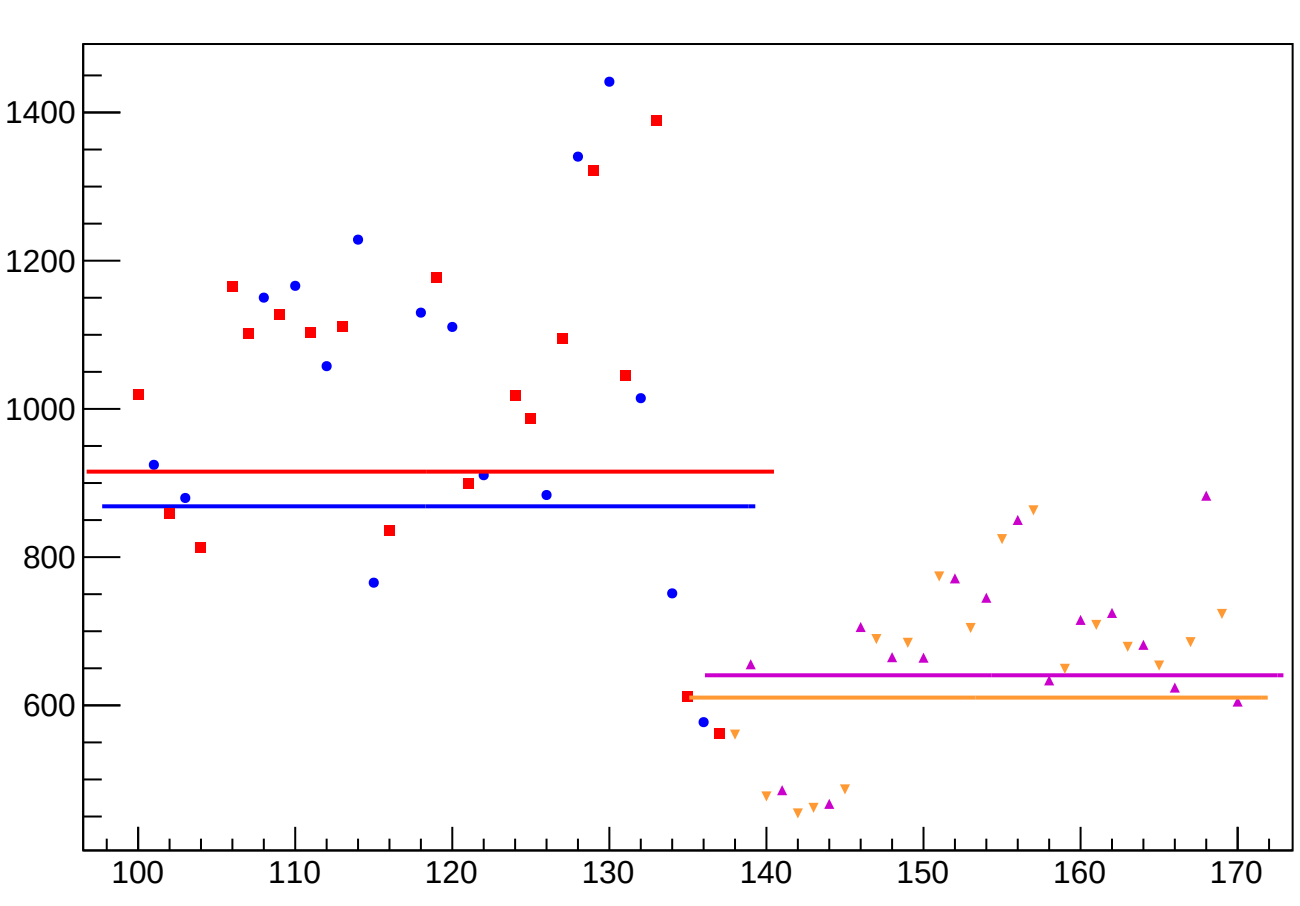
Left: 362.603+/-123.631 χ^2/NDF: 51.9/32

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 170.667+/-158.252 χ^2/NDF:38.4/31

Out: 391.854+/-153.080 χ^2/NDF:53.1/35

All: 284.934+/-110.027 χ^2/NDF: 92.5/67



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 610.466+/-0.121 χ^2/NDF:1030375.0/16

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 640.579+/-0.127 χ^2/NDF:809690.3/15

Left: 624.780+/-0.087 χ^2/NDF: 1869657.1/32

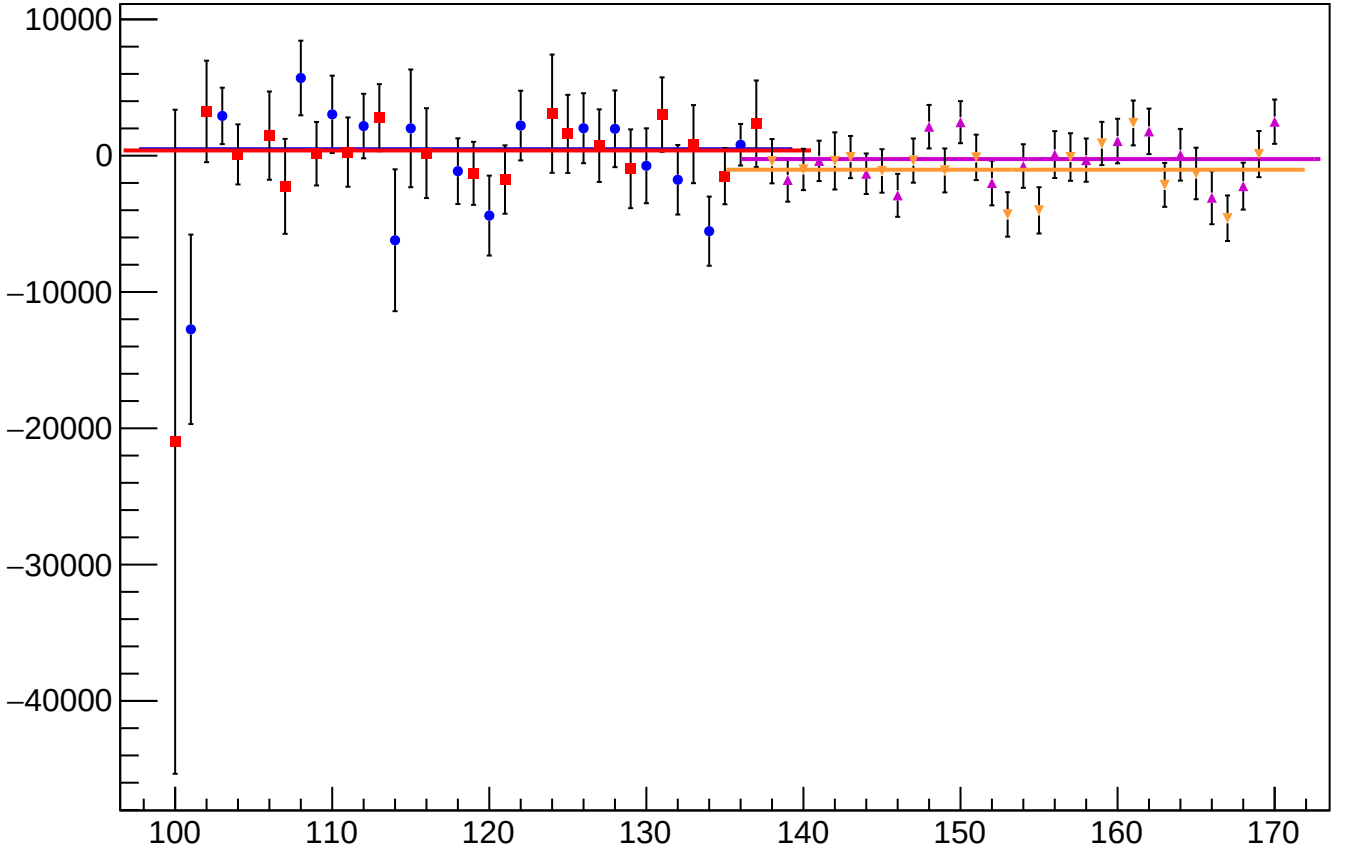
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.998+/-0.112 χ^2/NDF:2546014.0/31

Out: 670.111+/-0.108 χ^2/NDF:3137718.1/35

All: 680.208+/-0.078 χ^2/NDF: 5701731.8/67

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1030.387+/-402.691 χ^2/NDF:19.8/16

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -247.389+/-408.062 χ^2/NDF:19.4/15

Left: -644.075+/-286.625 χ^2/NDF: 41.0/32

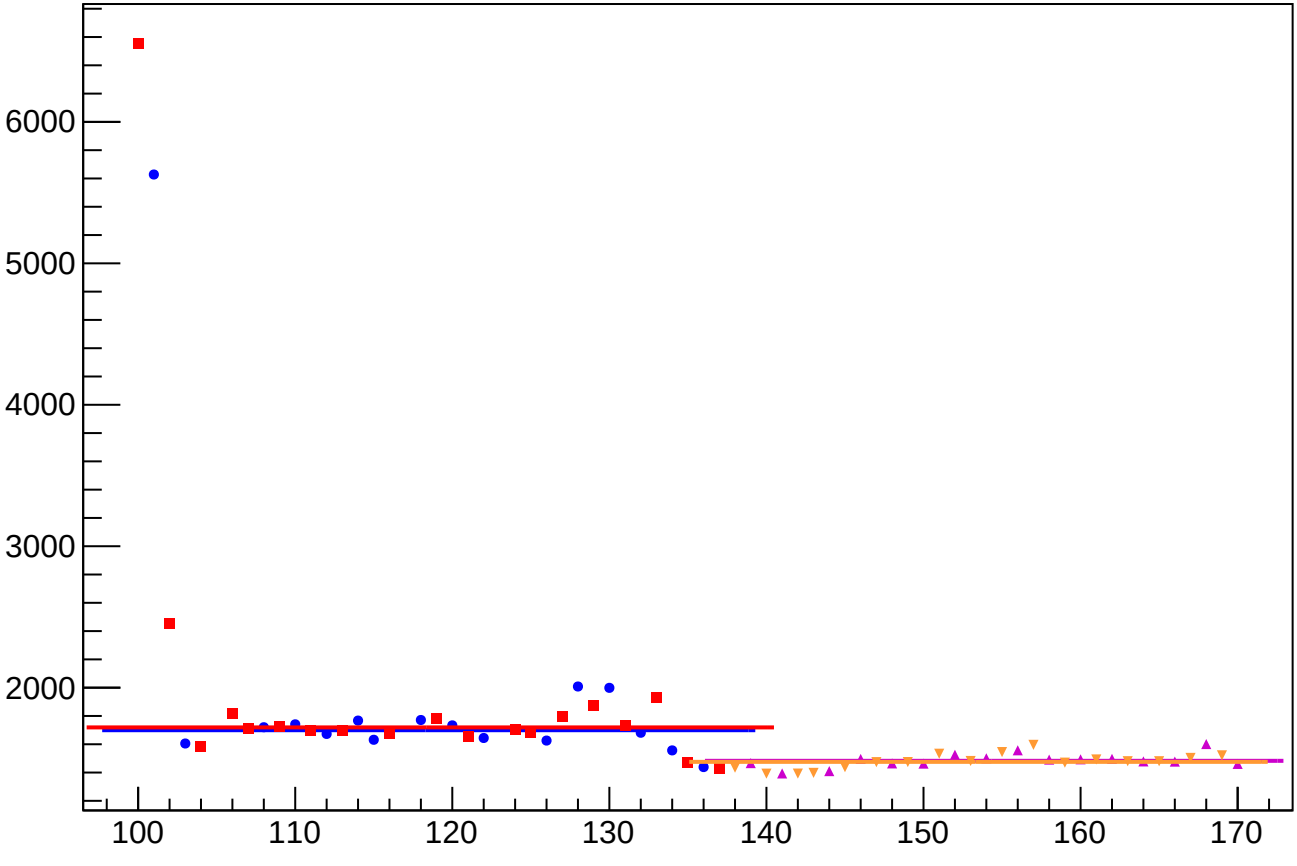
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -43.254+/-345.488 χ^2/NDF:42.9/31

Out: -630.809+/-341.136 χ^2/NDF:30.6/35

All: -340.756+/-242.744 χ^2/NDF: 74.9/67

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1475.546+/-0.285 χ^2/NDF:34157.2/16

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.857+/-0.289 χ^2/NDF:28509.0/15

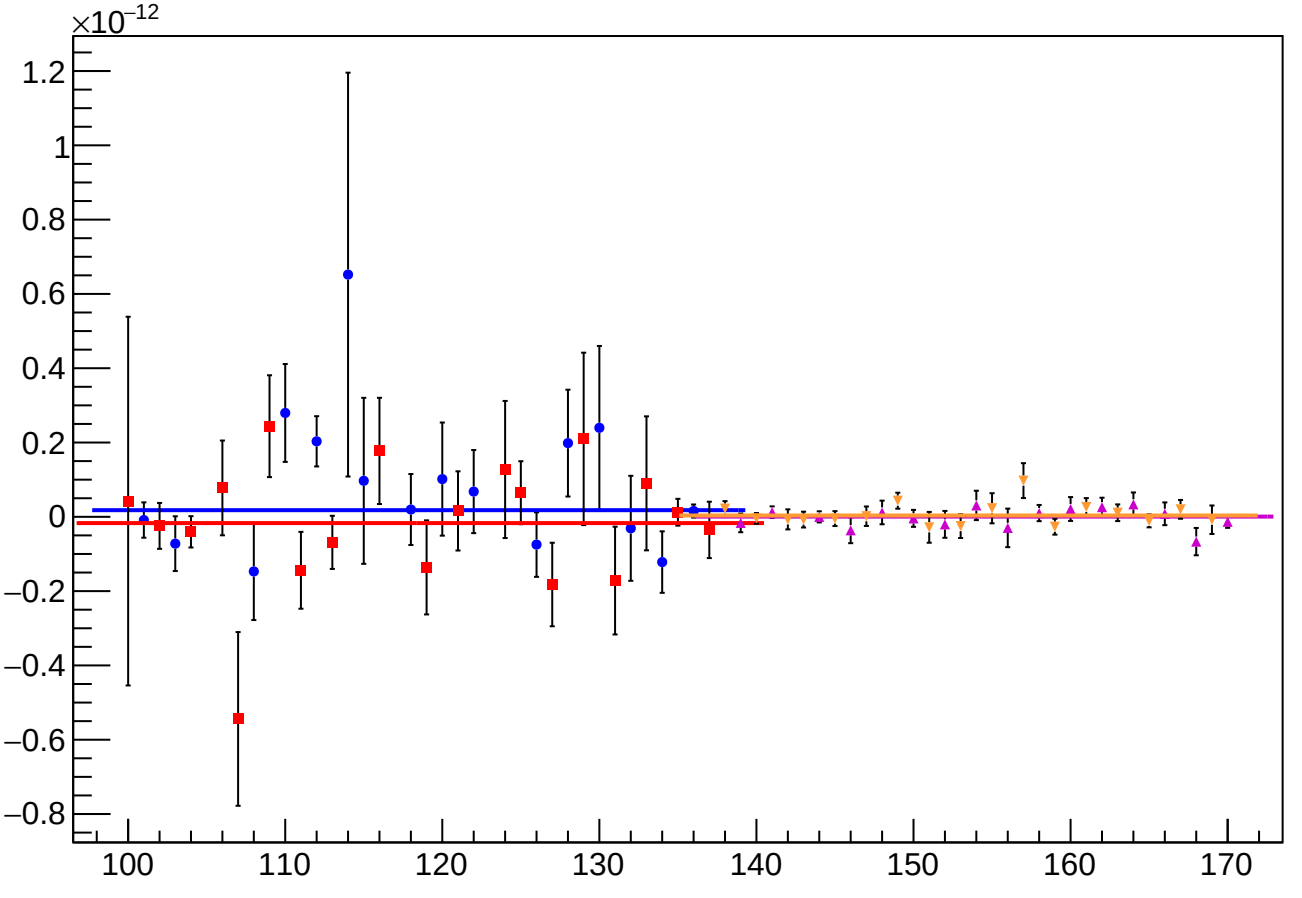
Left: 1479.153+/-0.203 χ^2/NDF: 62991.5/32

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1544.156+/-0.244 χ^2/NDF:949987.1/31

Out: 1544.315+/-0.241 χ^2/NDF:474485.7/35

All: 1544.237+/-0.172 χ^2/NDF: 1424473.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/15

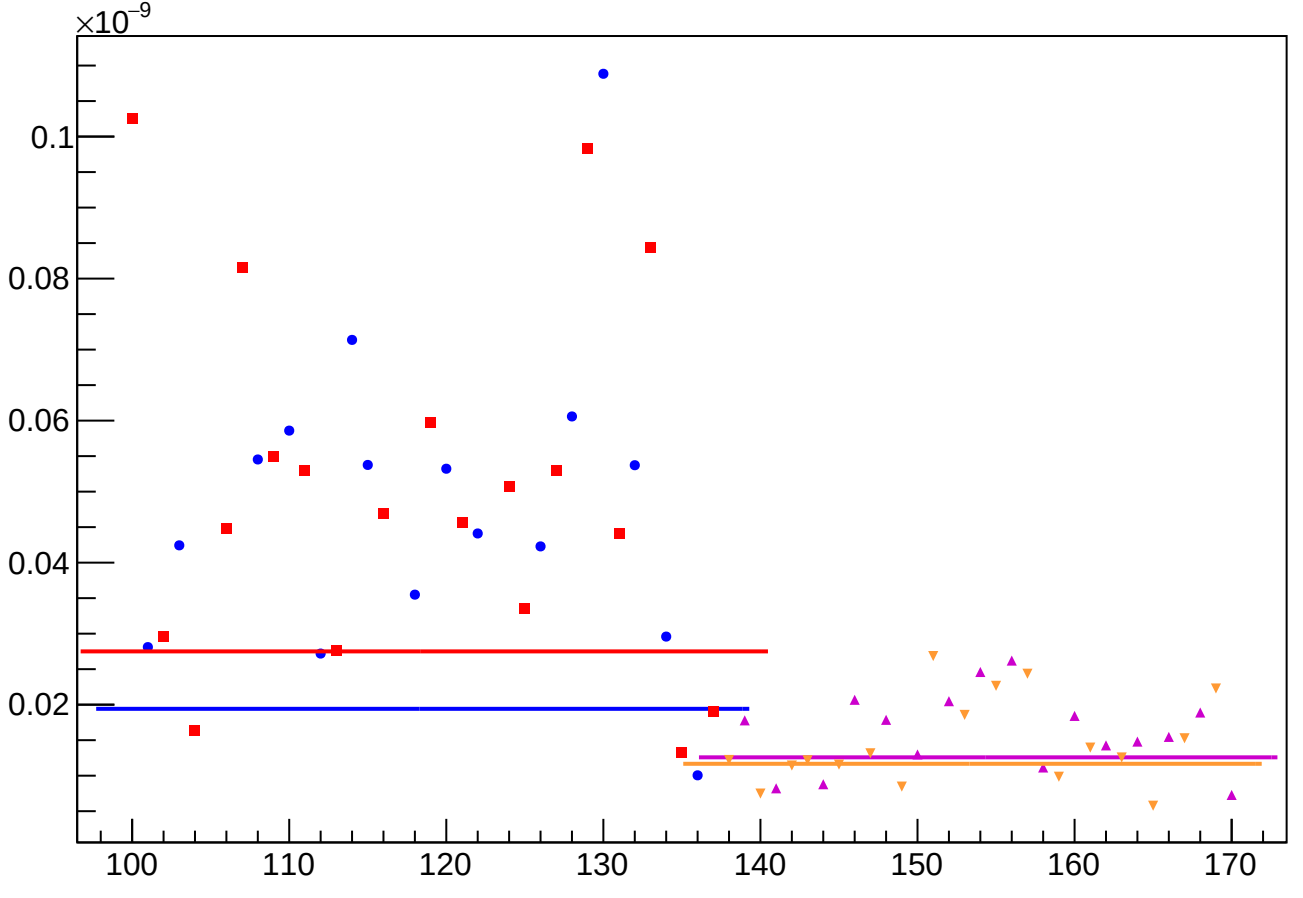
Left: 0.000+/-0.000 χ^2/NDF: 25.5/32

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: 0.000+/-0.000 χ^2/NDF:37.4/35

All: 0.000+/-0.000 χ^2/NDF: 72.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1333503.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1337132.1/15

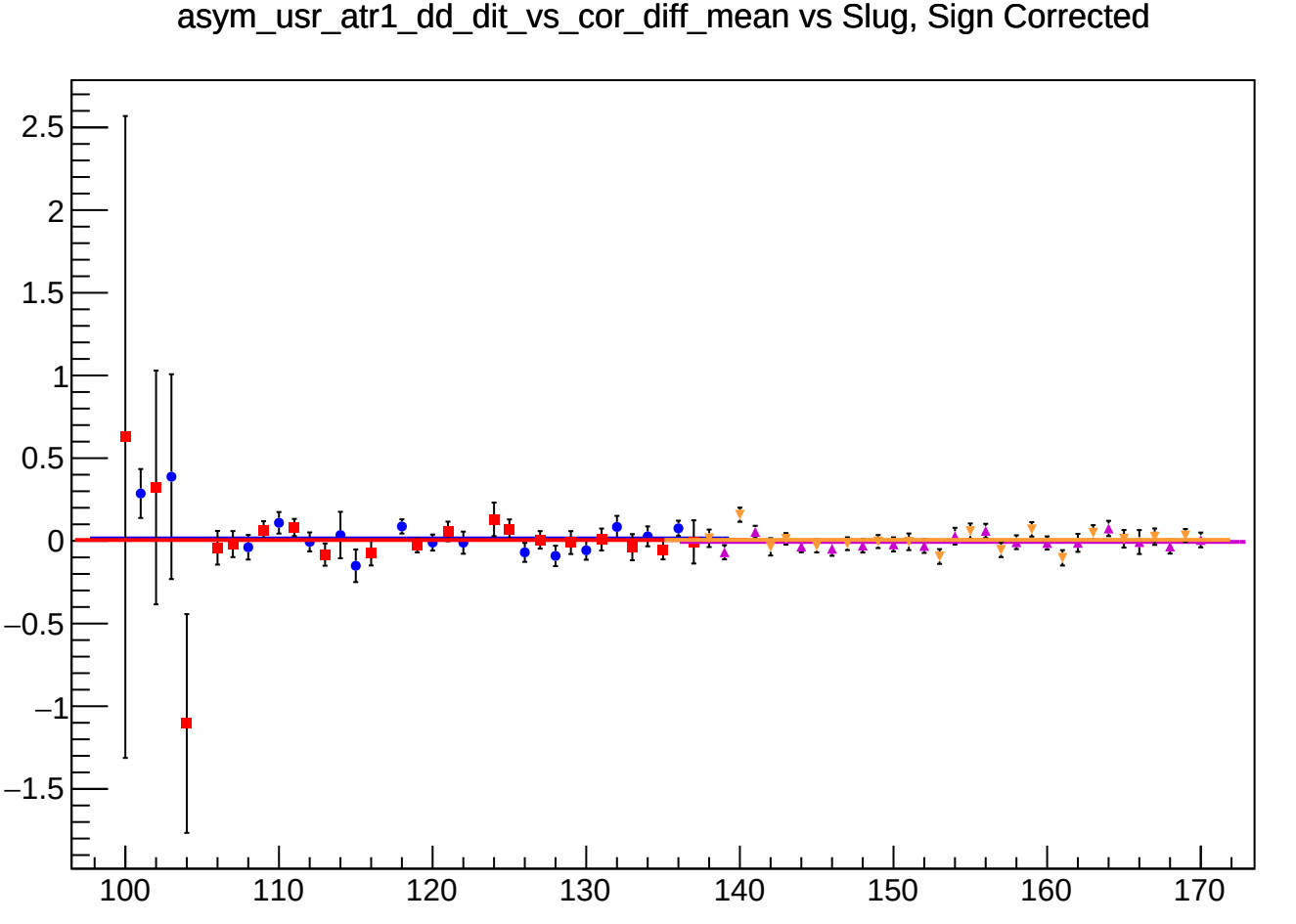
Left: 0.000+/-0.000 χ^2/NDF: 2694506.9/32

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3994542.7/31

Out: 0.000+/-0.000 χ^2/NDF:4245052.1/35

All: 0.000+/-0.000 χ^2/NDF: 8254242.6/67



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.011 χ^2/NDF:31.8/16

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.006+/-0.011 χ^2/NDF:13.7/15

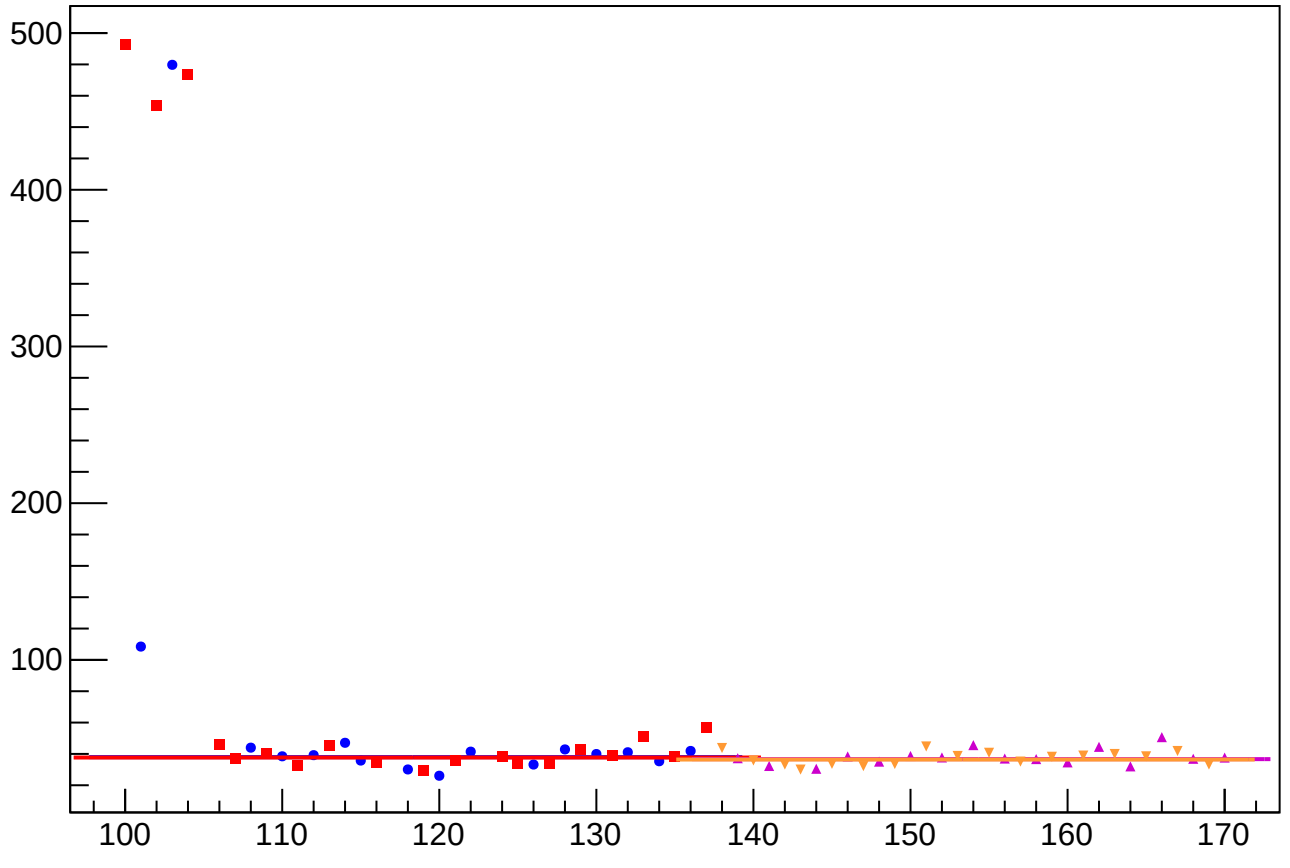
Left: -0.000+/-0.008 χ^2/NDF: 46.1/32

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.006+/-0.009 χ^2/NDF:46.7/35

All: 0.003+/-0.006 χ^2/NDF: 83.7/67



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.412+/-0.008 χ^2/NDF:297480.6/16

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.670+/-0.008 χ^2/NDF:309208.4/15

Left: 36.539+/-0.005 χ^2/NDF: 607265.0/32

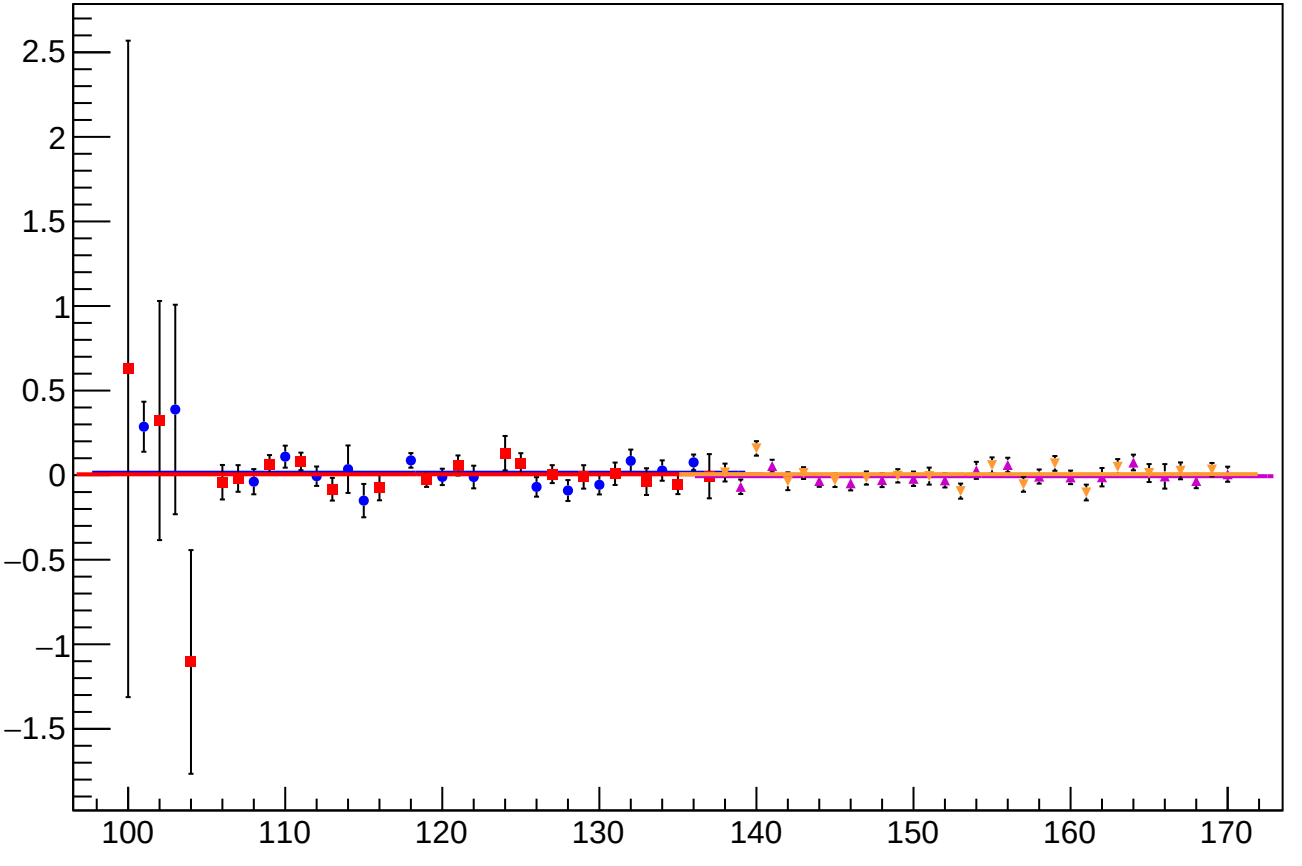
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.072+/-0.006 χ^2/NDF:2057599.5/31

Out: 36.807+/-0.006 χ^2/NDF:2251228.3/35

All: 36.939+/-0.004 χ^2/NDF: 4309712.6/67

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: 0.006+/-0.011 χ^2/NDF:31.8/16

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.006+/-0.011 χ^2/NDF:13.7/15

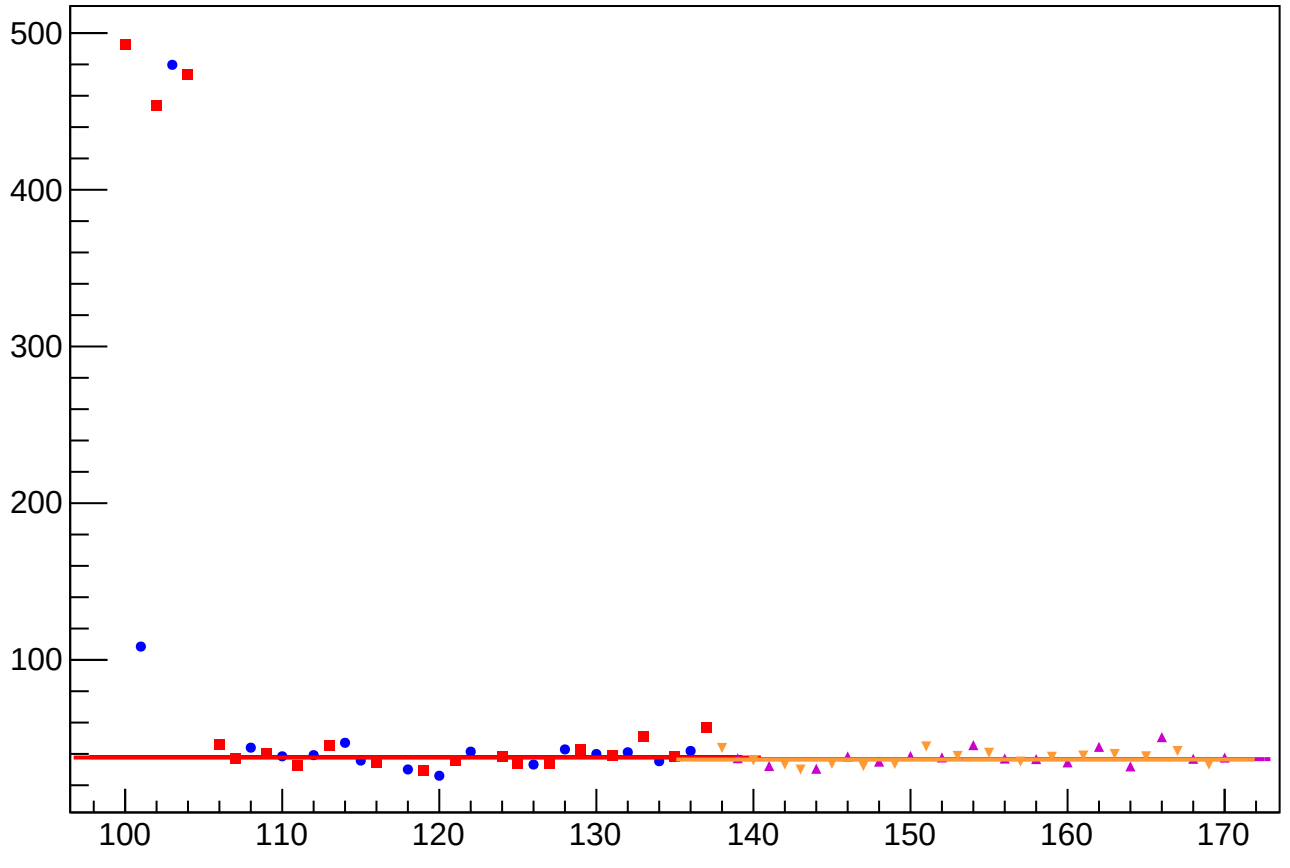
Left: -0.000+/-0.008 χ^2/NDF: 46.1/32

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.006+/-0.009 χ^2/NDF:46.7/35

All: 0.003+/-0.006 χ^2/NDF: 83.7/67



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.412+/-0.008 χ^2/NDF:297480.6/16

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.670+/-0.008 χ^2/NDF:309208.4/15

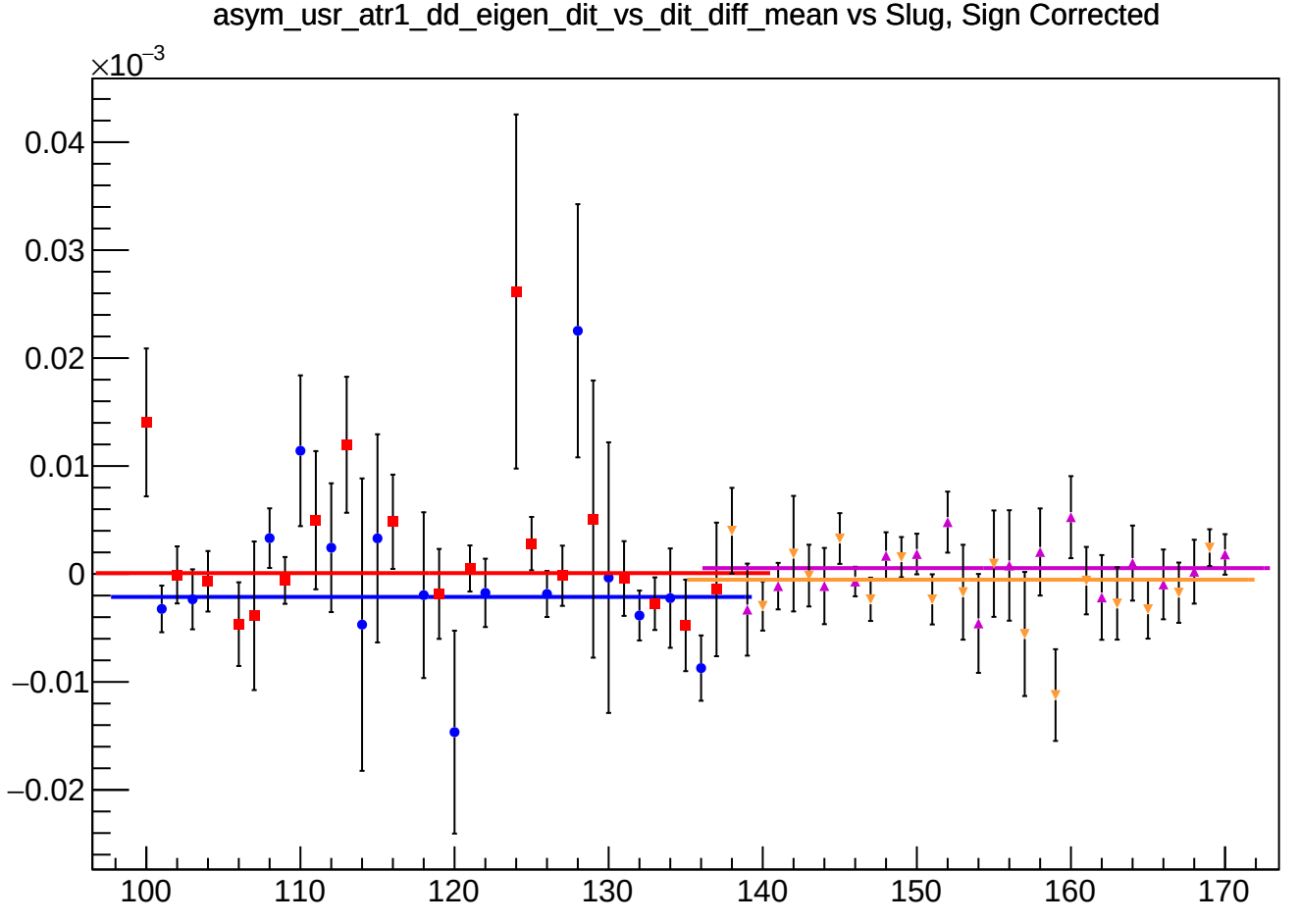
Left: 36.539+/-0.005 χ^2/NDF: 607265.0/32

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.072+/-0.006 χ^2/NDF:2057599.5/31

Out: 36.807+/-0.006 χ^2/NDF:2251228.3/35

All: 36.939+/-0.004 χ^2/NDF: 4309712.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/15

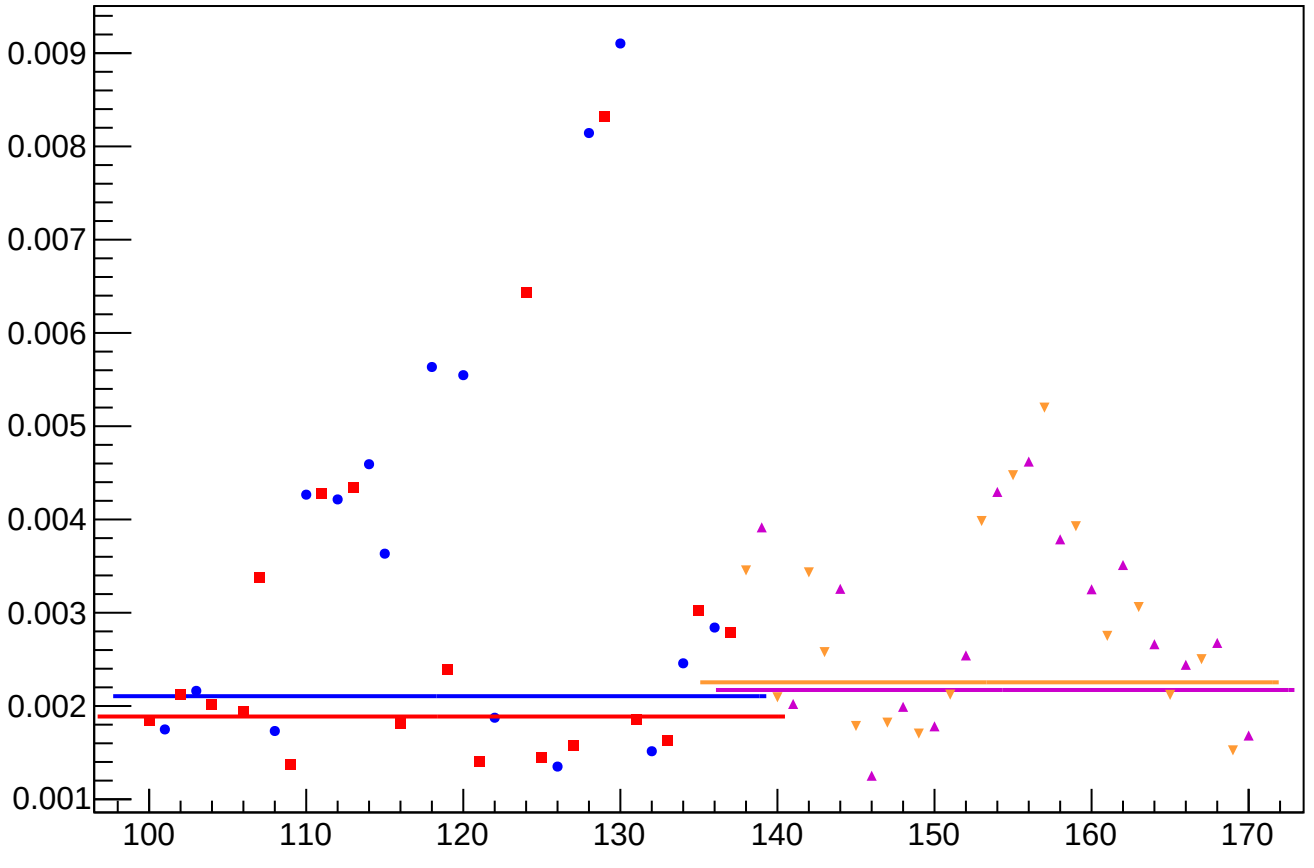
Left: 0.000+/-0.000 χ^2/NDF: 30.8/32

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

In: -0.000+/-0.000 χ^2/NDF:35.8/31

Out: -0.000+/-0.000 χ^2/NDF:38.6/35

All: -0.000+/-0.000 χ^2/NDF: 74.5/67



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2773071.7/16

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3420307.3/15

Left: 0.002+/-0.000 χ^2/NDF: 6209105.1/32

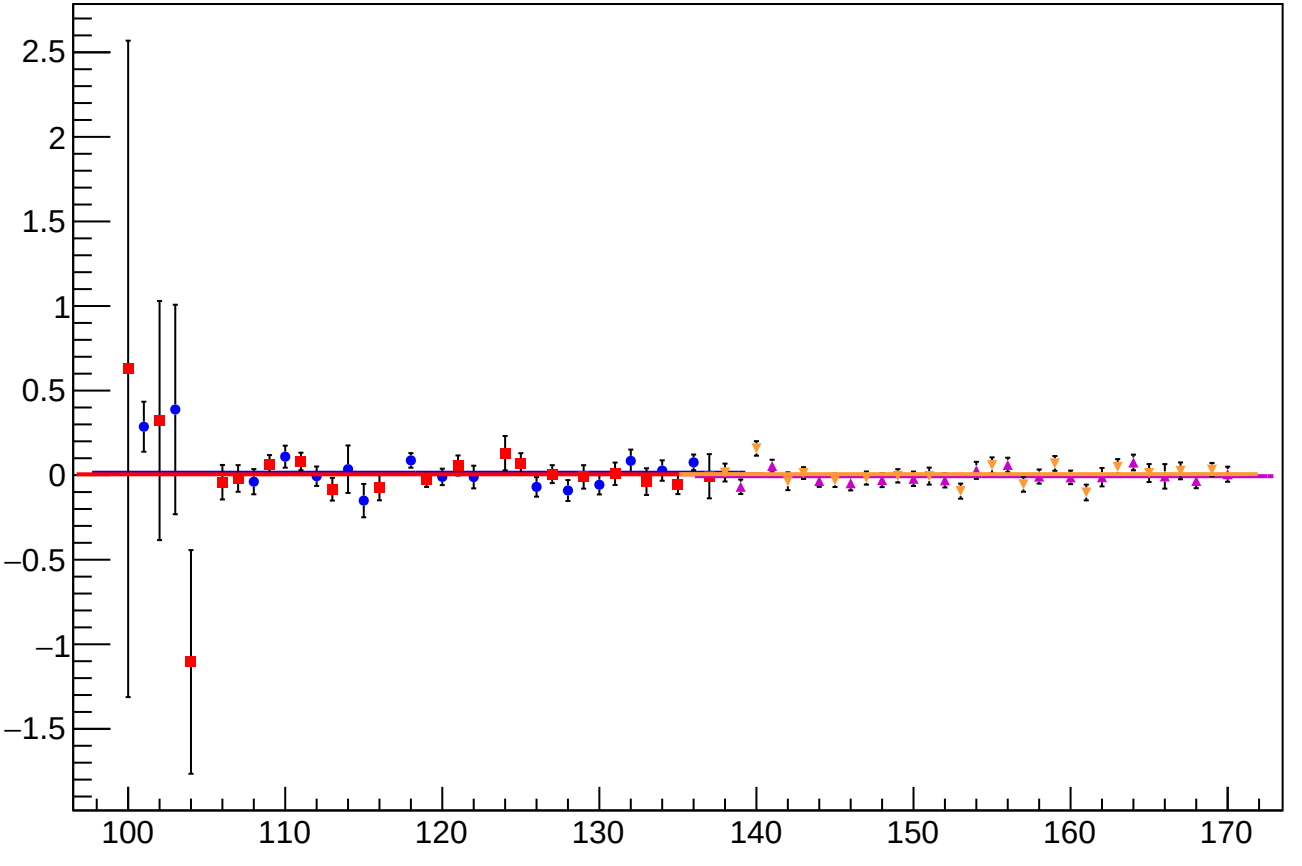
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6445064.6/31

Out: 0.002+/-0.000 χ^2/NDF:4919029.2/35

All: 0.002+/-0.000 χ^2/NDF: 11371997.9/67

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: 0.006+/-0.011 χ^2/NDF:31.8/16

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.006+/-0.011 χ^2/NDF:13.7/15

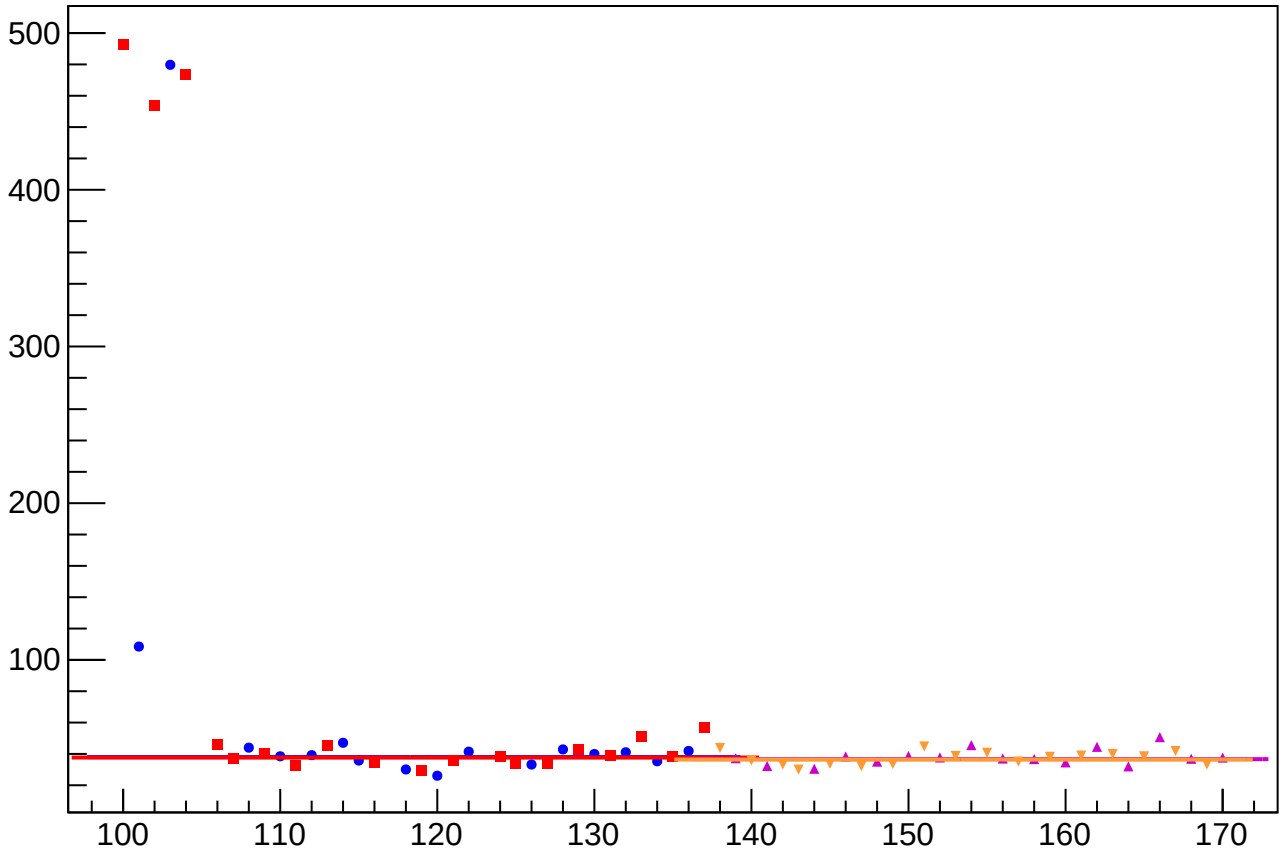
Left: -0.000+/-0.008 χ^2/NDF: 46.1/32

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.006+/-0.009 χ^2/NDF:46.7/35

All: 0.003+/-0.006 χ^2/NDF: 83.7/67



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.412+/-0.008 χ^2/NDF:297532.4/16

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.670+/-0.008 χ^2/NDF:309244.4/15

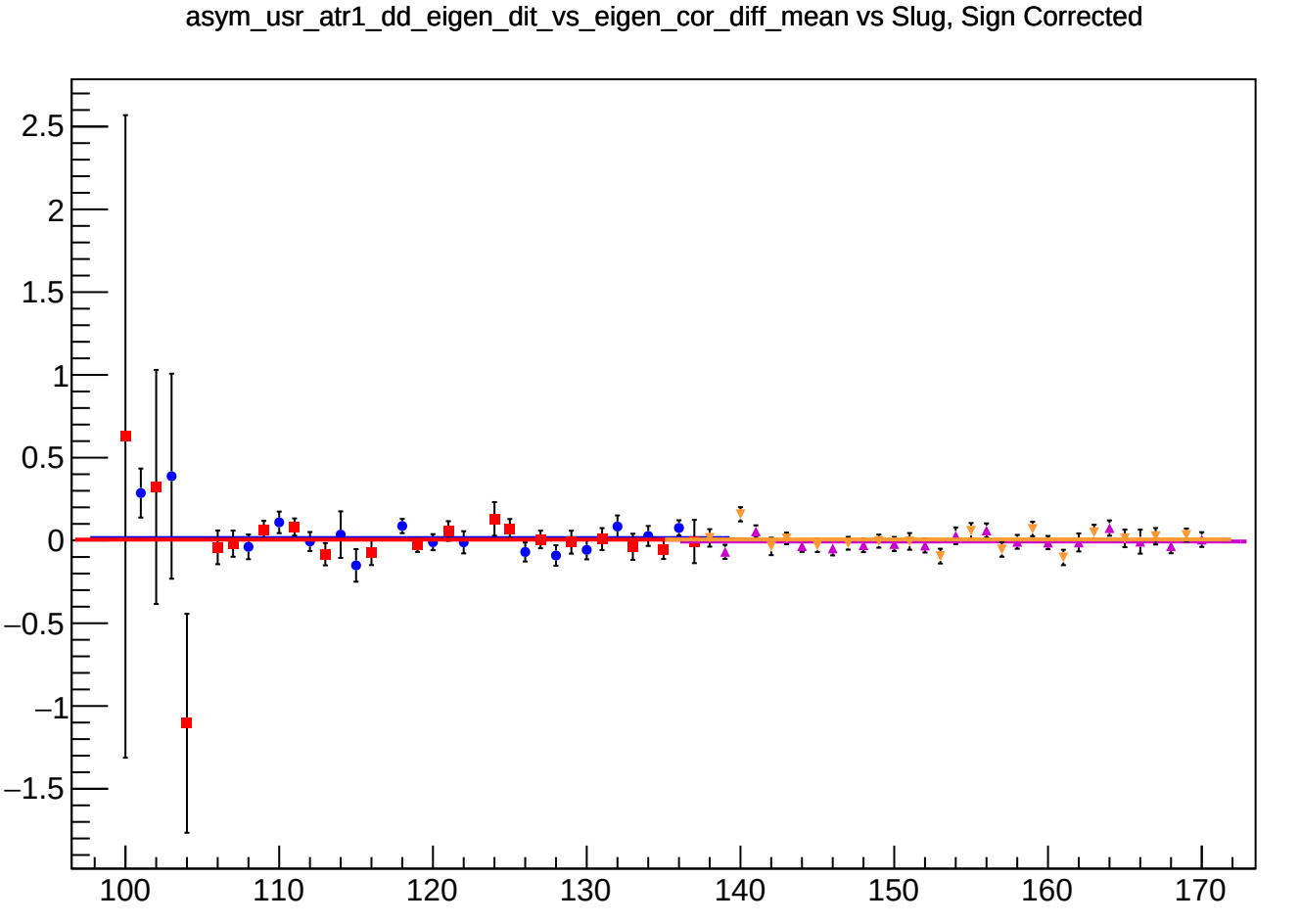
Left: 36.539+/-0.005 χ^2/NDF: 607351.9/32

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

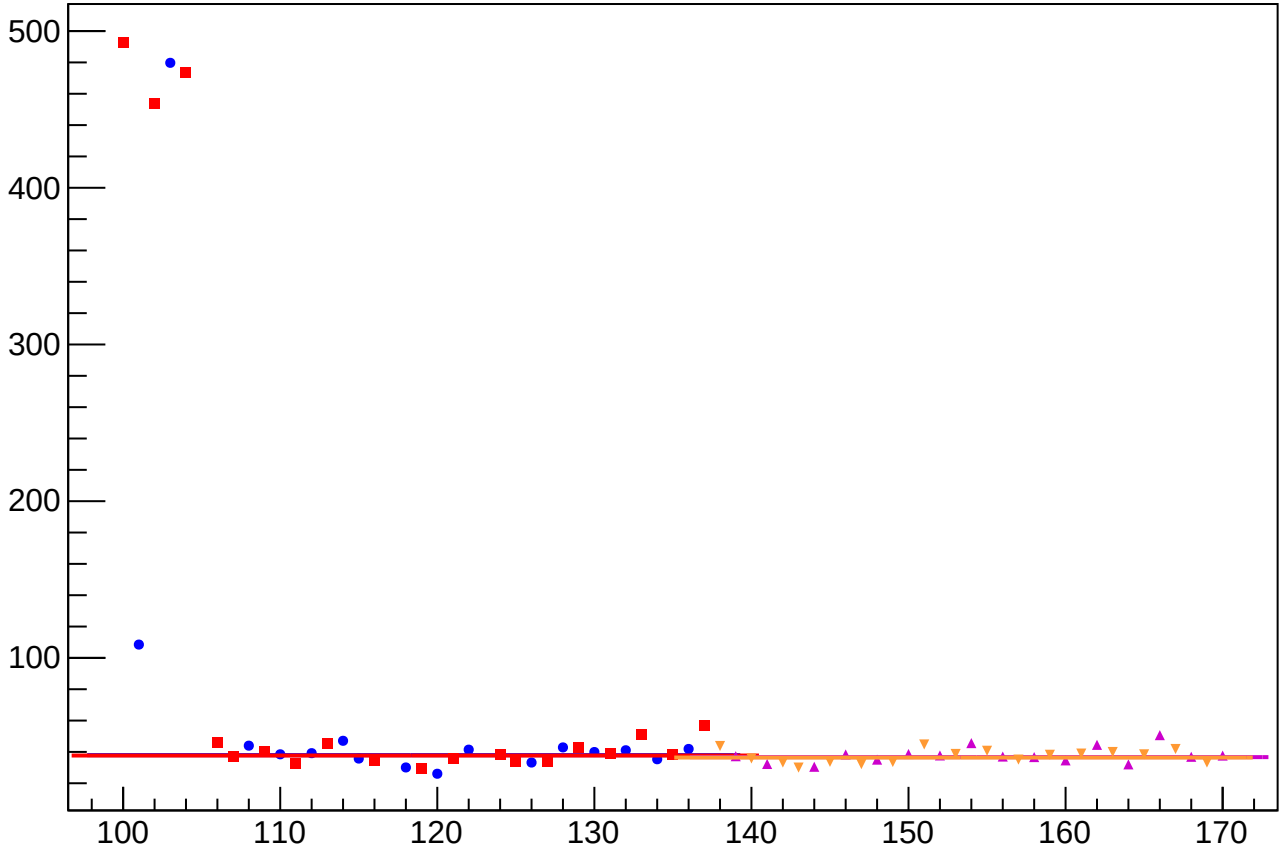
In: 37.072+/-0.006 χ^2/NDF:2057645.2/31

Out: 36.806+/-0.006 χ^2/NDF:2251342.8/35

All: 36.938+/-0.004 χ^2/NDF: 4309873.1/67


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.006+/-0.011 χ²/NDF:31.8/16
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.006+/-0.011 χ²/NDF:13.7/15
Left: -0.000+/-0.008 χ²/NDF: 46.1/32
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.000+/-0.009 χ²/NDF:36.8/31
Out: 0.006+/-0.009 χ²/NDF:46.7/35
All: 0.003+/-0.006 χ²/NDF: 83.7/67

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: 36.412+/-0.008 χ^2/NDF:297532.4/16

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.670+/-0.008 χ^2/NDF:309244.4/15

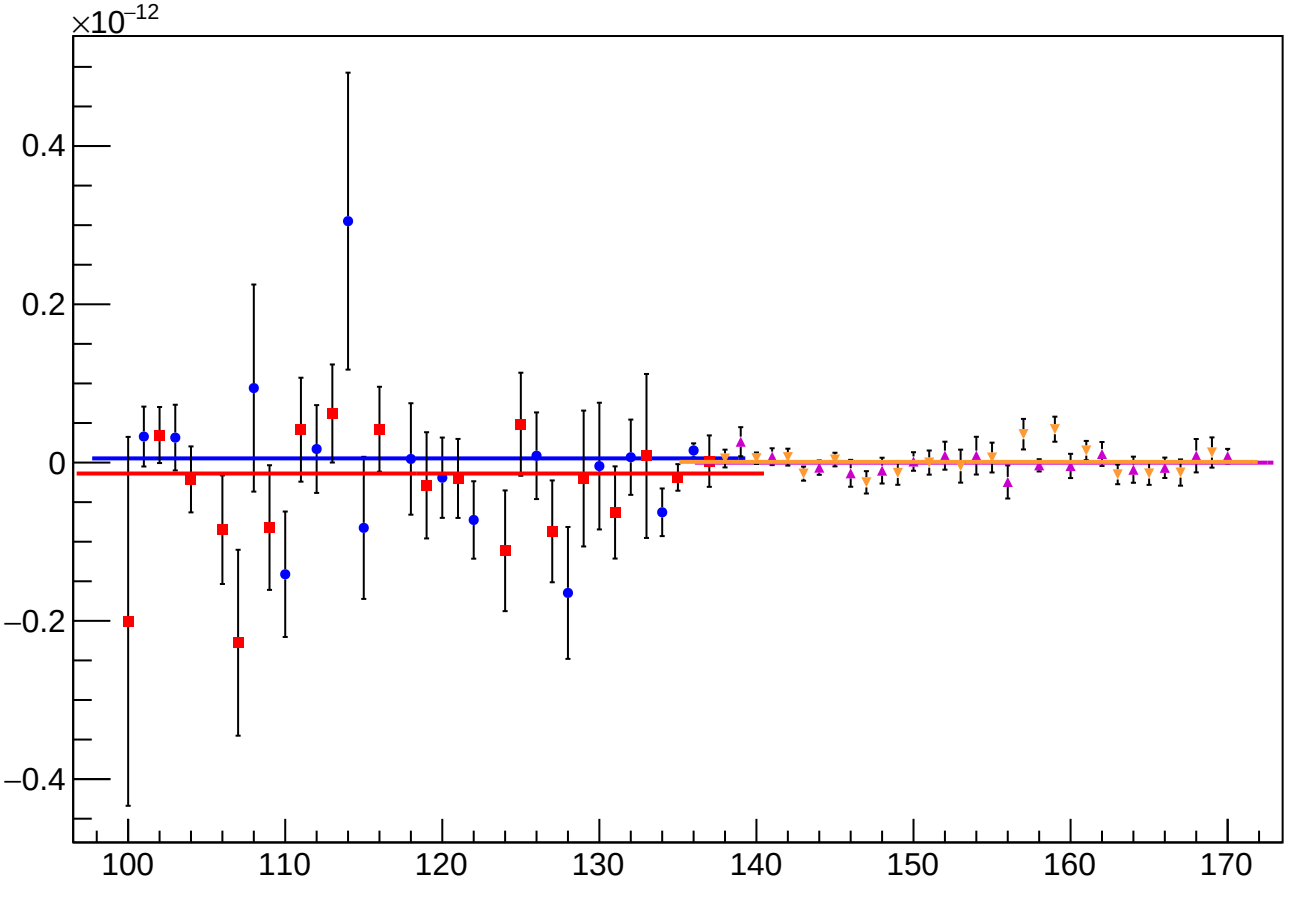
Left: 36.539+/-0.005 χ^2/NDF: 607351.9/32

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.072+/-0.006 χ^2/NDF:2057645.2/31

Out: 36.806+/-0.006 χ^2/NDF:2251342.8/35

All: 36.938+/-0.004 χ^2/NDF: 4309873.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/16

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

Left In: -0.000+/-0.000 χ^2/NDF:8.1/15

Left: 0.000+/-0.000 χ^2/NDF: 31.4/32

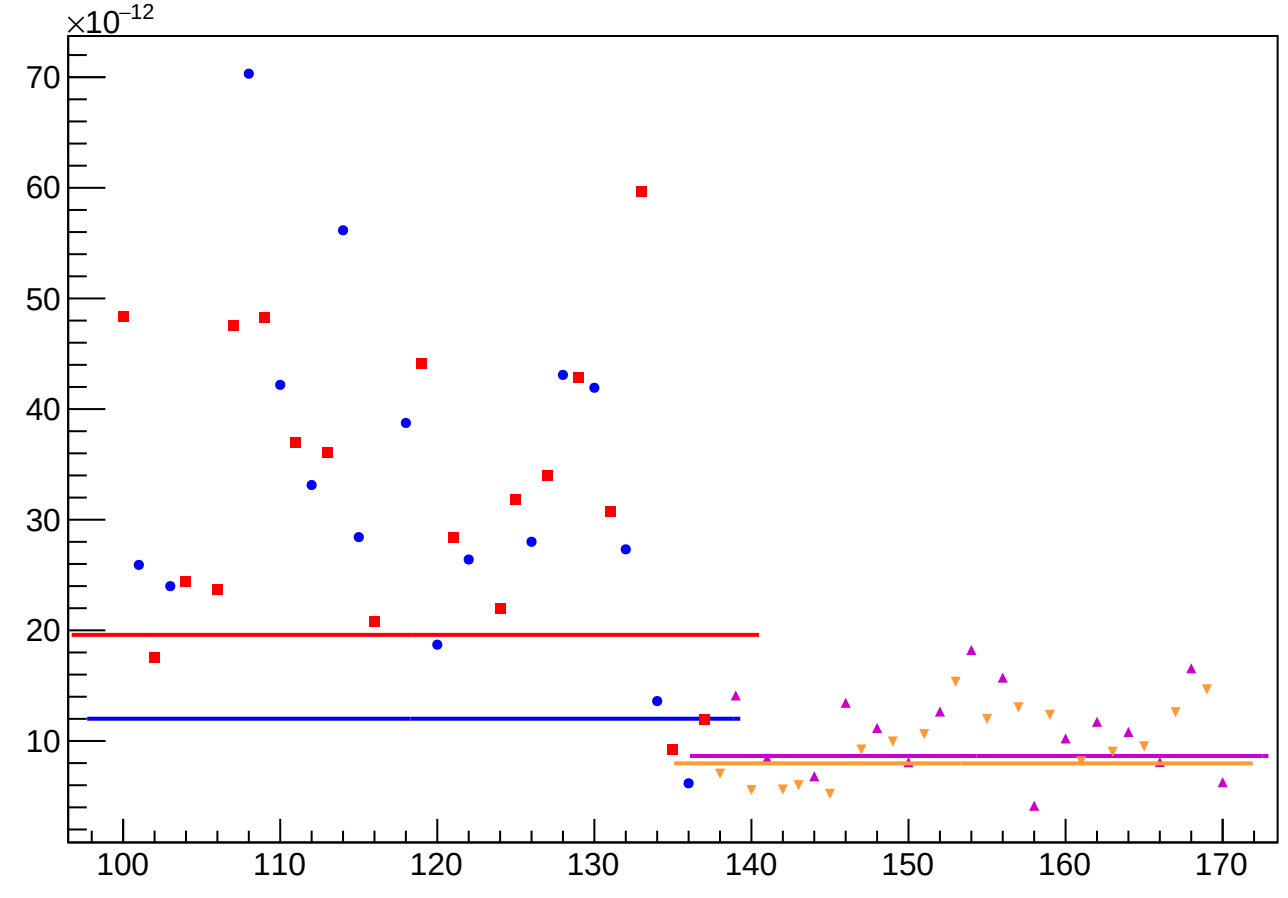
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/31

Out: -0.000+/-0.000 χ^2/NDF:41.1/35

All: 0.000+/-0.000 χ^2/NDF: 71.3/67

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1816542.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2359756.6/15

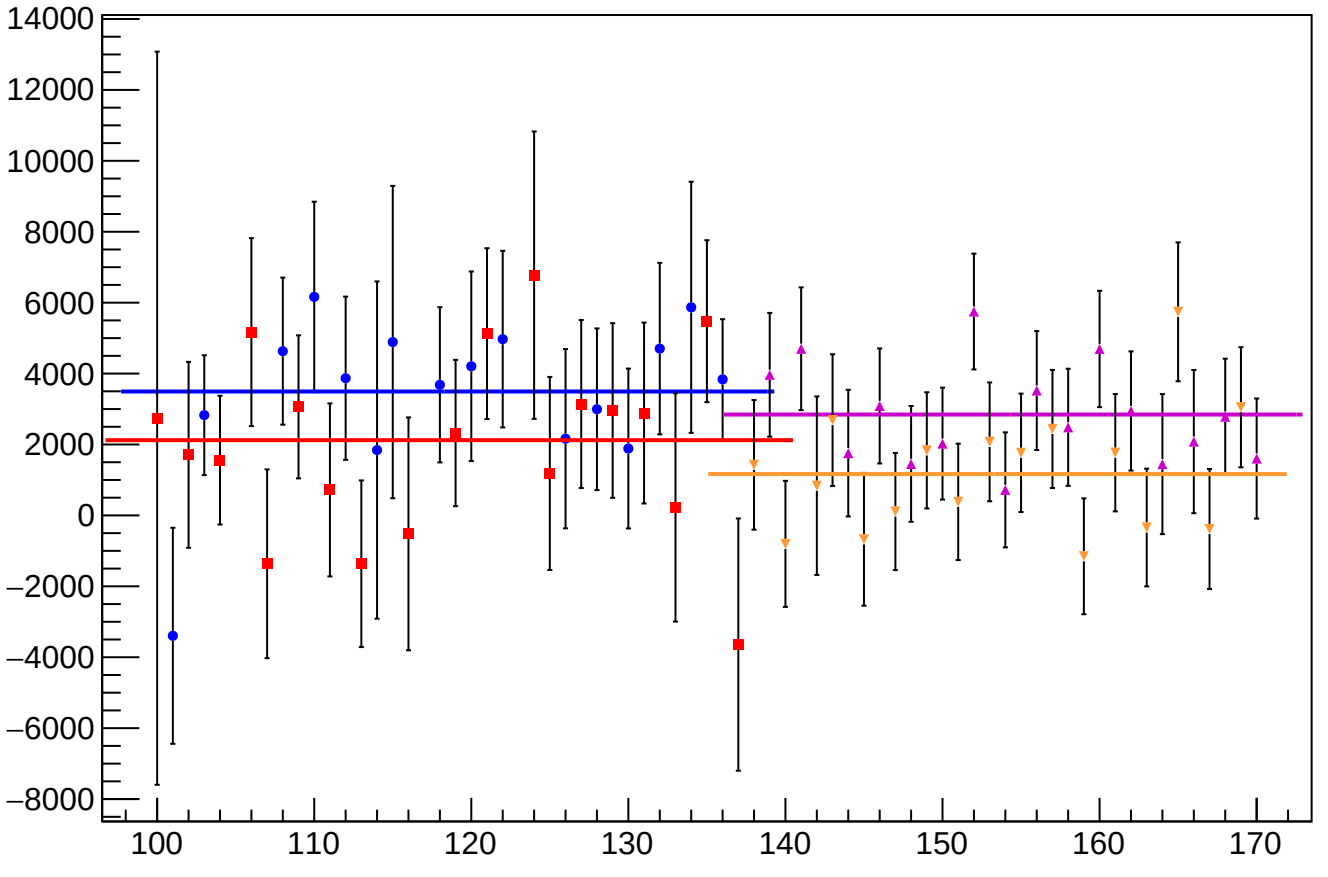
Left: 0.000+/-0.000 χ^2/NDF: 4221950.5/32

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6563800.7/31

Out: 0.000+/-0.000 χ^2/NDF:6675731.7/35

All: 0.000+/-0.000 χ^2/NDF: 13252249.8/67



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1166.214+/-422.772 χ^2/NDF:15.2/16

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2844.828+/-424.136 χ^2/NDF:10.5/15

Left: 2002.819+/-299.426 χ^2/NDF: 33.6/32

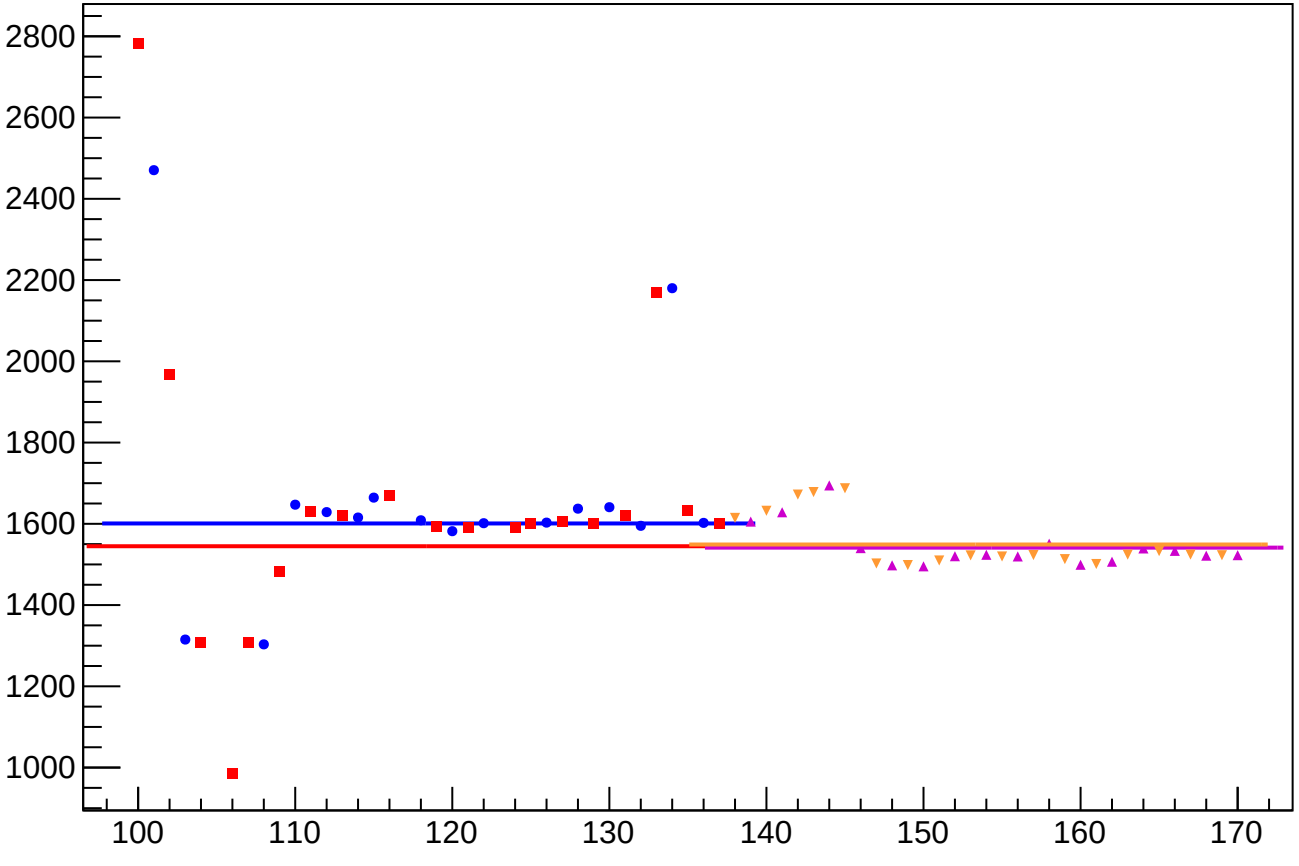
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3060.689+/-346.568 χ^2/NDF:20.1/31

Out: 1492.117+/-343.181 χ^2/NDF:32.0/35

All: 2268.701+/-243.854 χ^2/NDF: 62.5/67

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1549.057+/-0.299 χ^2/NDF:42713.1/16

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

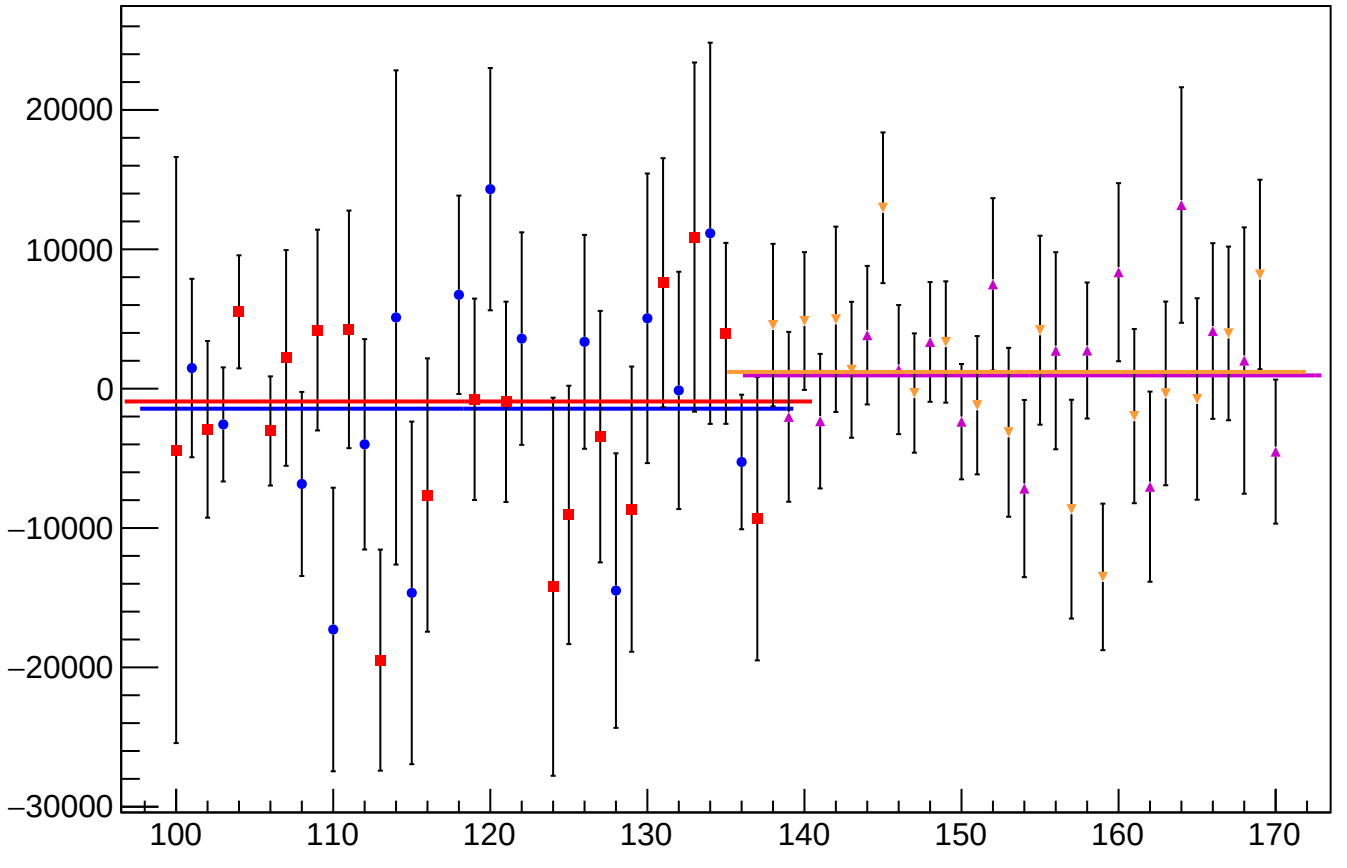
Left: 1545.225+/-0.212 χ^2/NDF: 72334.3/32

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1561.145+/-0.245 χ^2/NDF:359790.8/31

Out: 1547.576+/-0.241 χ^2/NDF:418910.9/35

All: 1554.254+/-0.172 χ^2/NDF: 780258.7/67



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1201.504+/-1368.872 χ^2/NDF:18.3/16

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 951.327+/-1392.388 χ^2/NDF:11.1/15

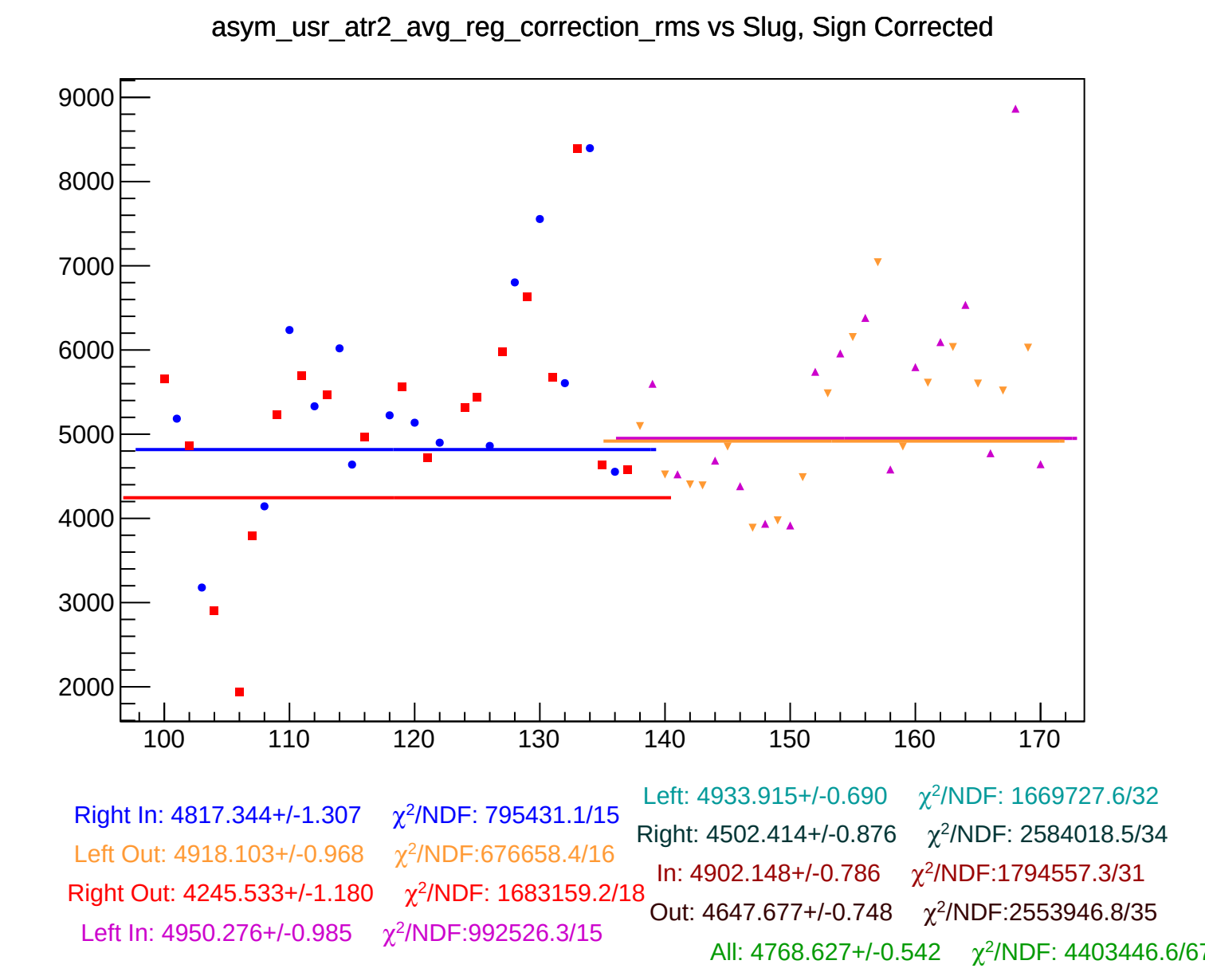
Left: 1078.546+/-976.147 χ^2/NDF: 29.4/32

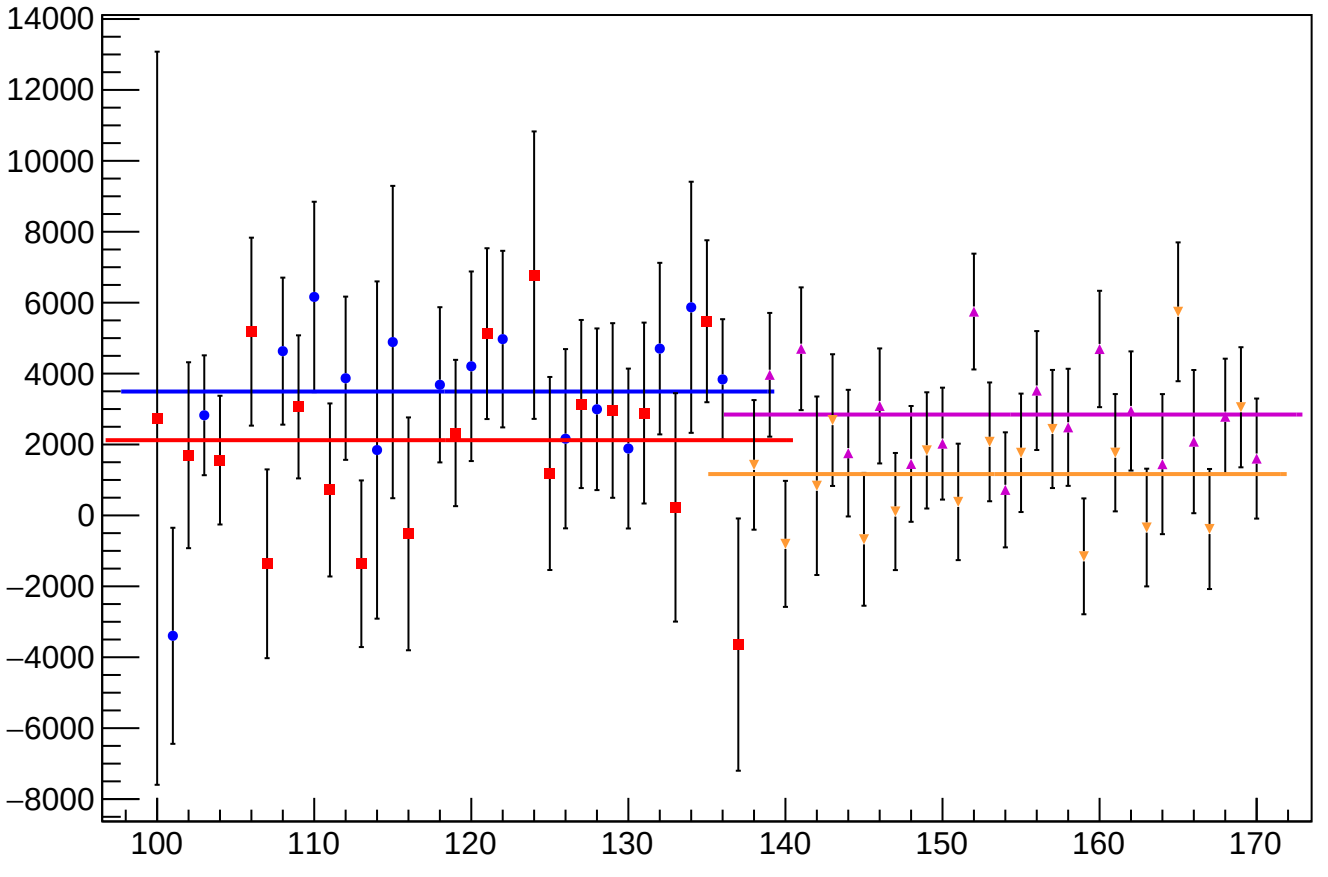
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 86.591+/-1112.125 χ^2/NDF:26.1/31

Out: 349.100+/-1058.485 χ^2/NDF:34.6/35

All: 224.329+/-766.724 χ^2/NDF: 60.7/67


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4918.103+/-0.968 χ²/NDF:676658.4/16
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4950.276+/-0.985 χ²/NDF:992526.3/15
Left: 4933.915+/-0.690 χ²/NDF: 1669727.6/32
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4902.148+/-0.786 χ²/NDF:1794557.3/31
Out: 4647.677+/-0.748 χ²/NDF:2553946.8/35
All: 4768.627+/-0.542 χ²/NDF: 4403446.6/67



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1166.053+/-422.772 χ^2/NDF:15.2/16

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2844.773+/-424.136 χ^2/NDF:10.5/15

Left: 2002.711+/-299.426 χ^2/NDF: 33.6/32

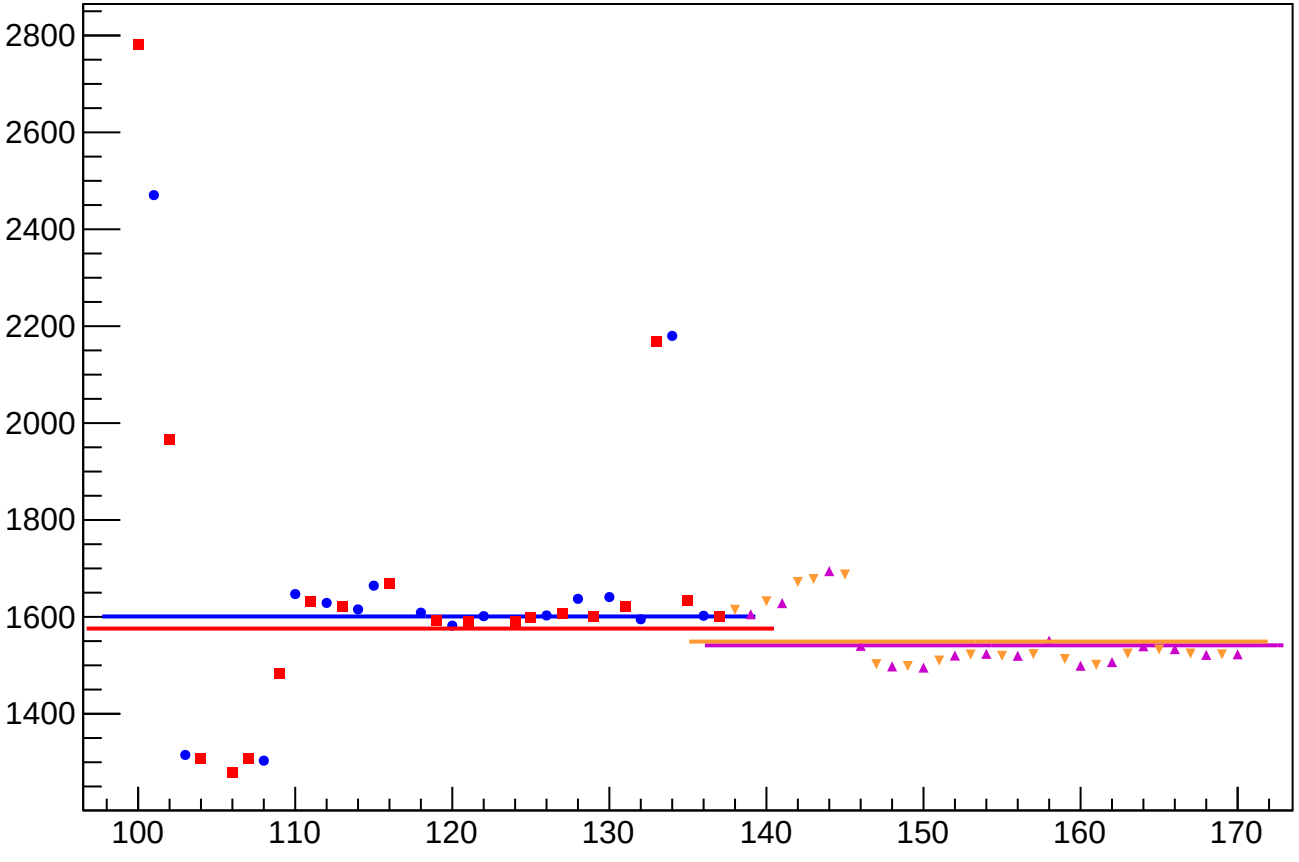
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3060.541+/-346.568 χ^2/NDF:20.1/31

Out: 1492.006+/-343.181 χ^2/NDF:32.1/35

All: 2268.573+/-243.854 χ^2/NDF: 62.5/67

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1549.057+/-0.299 χ^2/NDF:42713.1/16

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

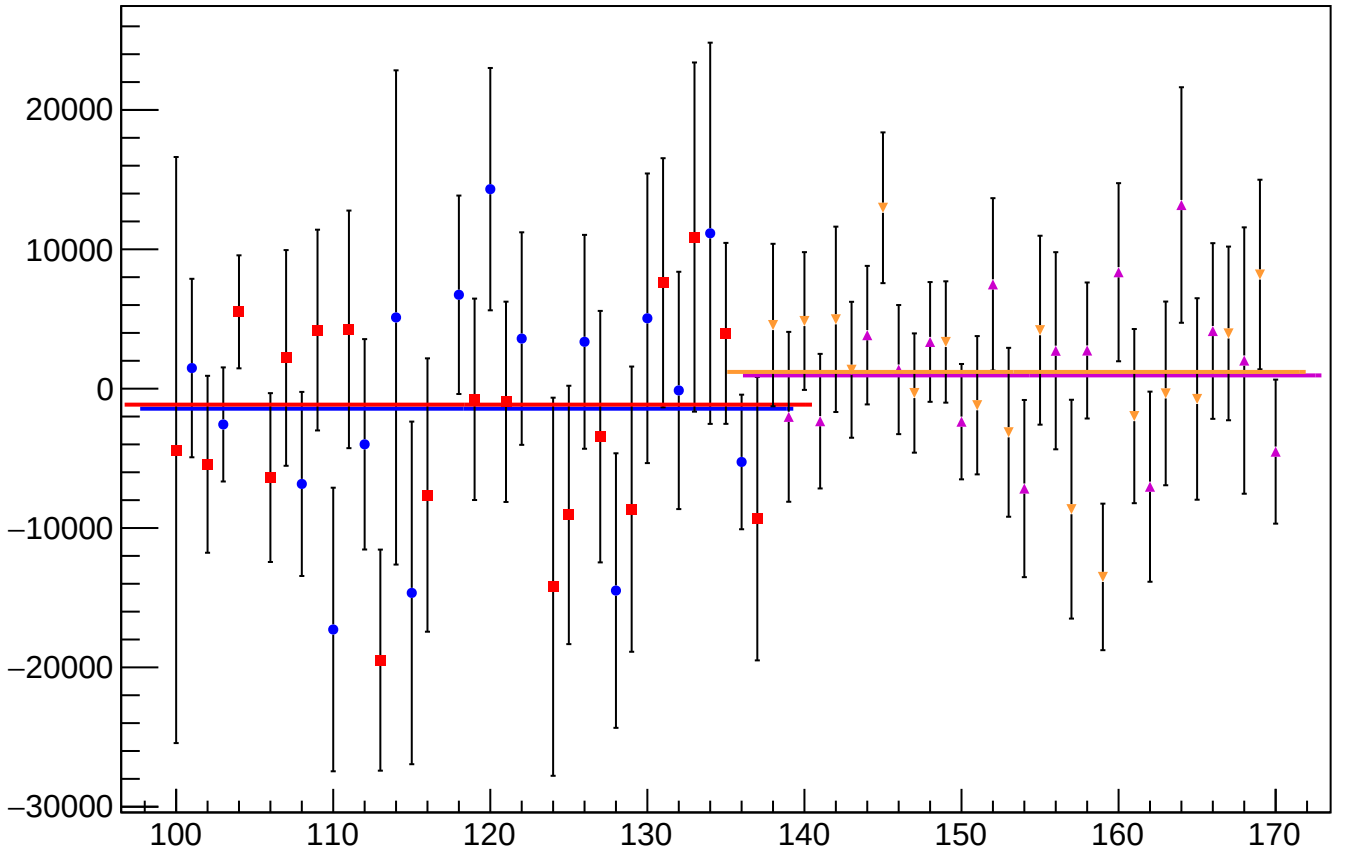
Left: 1545.225+/-0.212 χ^2/NDF: 72334.3/32

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1561.145+/-0.245 χ^2/NDF:359790.1/31

Out: 1558.260+/-0.242 χ^2/NDF:288809.5/35

All: 1559.687+/-0.172 χ^2/NDF: 648669.7/67



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1201.461+/-1368.869 χ^2/NDF:18.3/16

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 951.389+/-1392.388 χ^2/NDF:11.1/15

Left: 1078.555+/-976.145 χ^2/NDF: 29.4/32

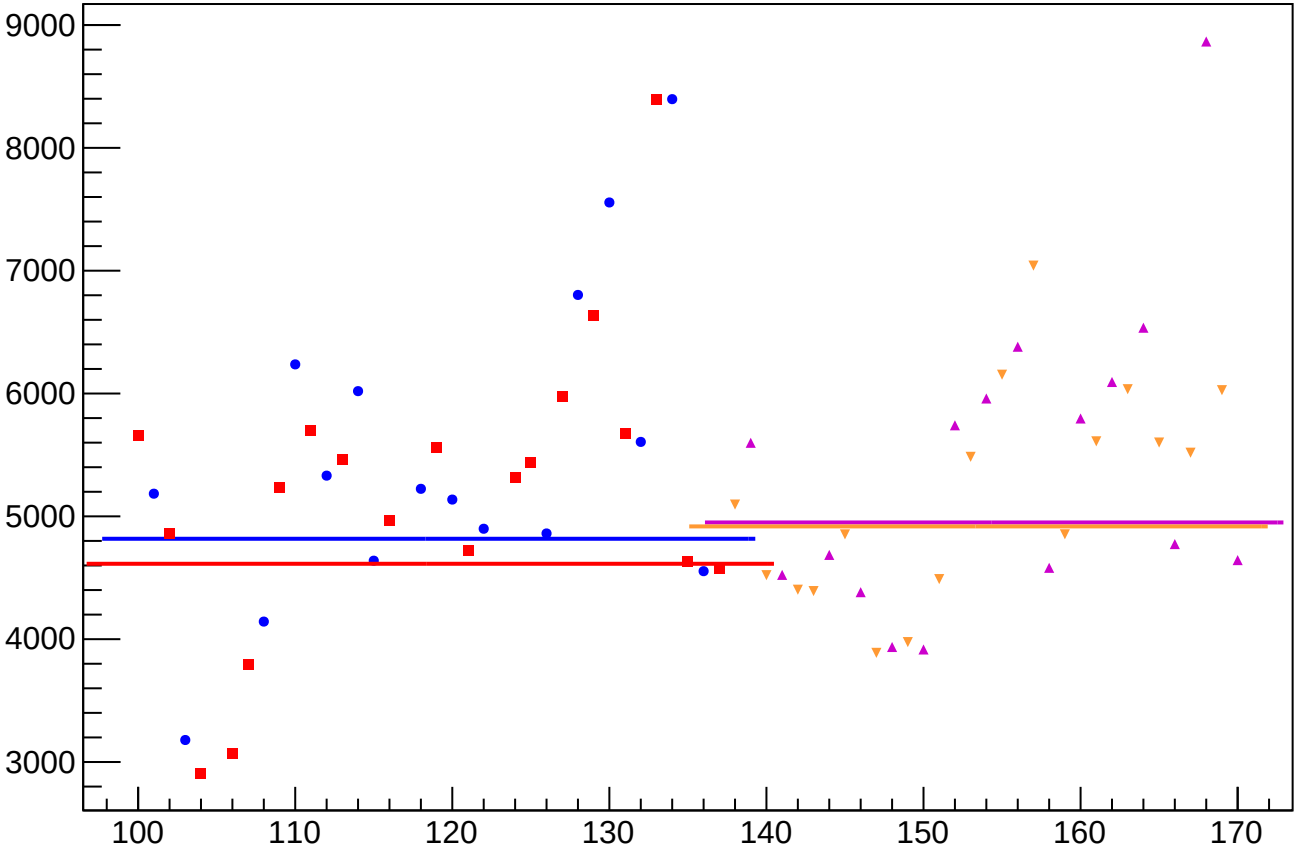
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 86.564+/-1112.133 χ^2/NDF:26.1/31

Out: 319.965+/-1081.768 χ^2/NDF:35.6/35

All: 206.494+/-775.438 χ^2/NDF: 61.7/67

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: 4918.092+/-0.968 χ^2/NDF:676664.2/16

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4950.274+/-0.985 χ^2/NDF:992528.1/15

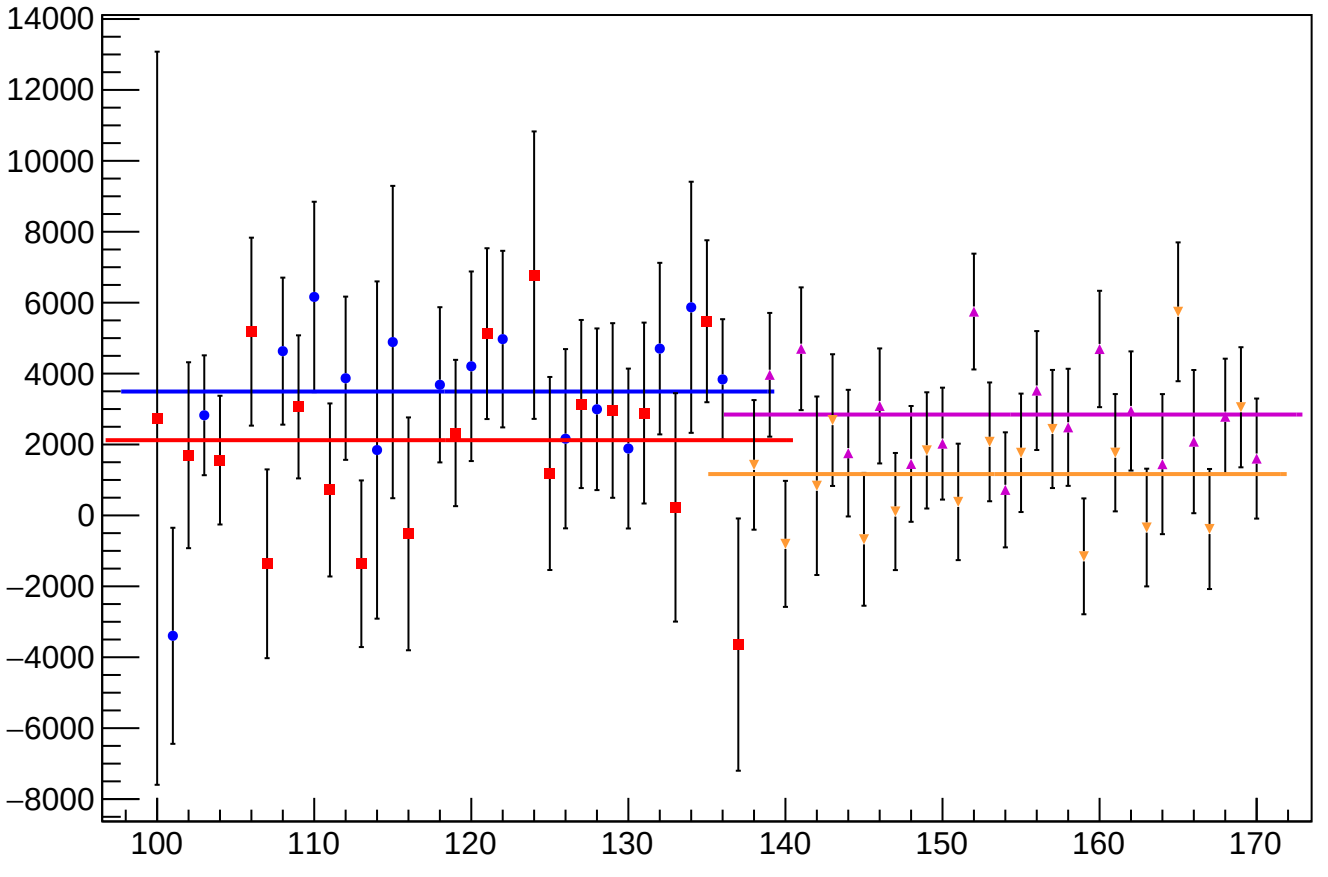
Left: 4933.909+/-0.690 χ^2/NDF: 1669735.6/32

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4902.197+/-0.786 χ^2/NDF:1794347.4/31

Out: 4803.854+/-0.765 χ^2/NDF:1691718.8/35

All: 4851.665+/-0.548 χ^2/NDF: 3494101.9/67



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1166.053+/-422.772 χ^2/NDF:15.2/16

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2844.773+/-424.136 χ^2/NDF:10.5/15

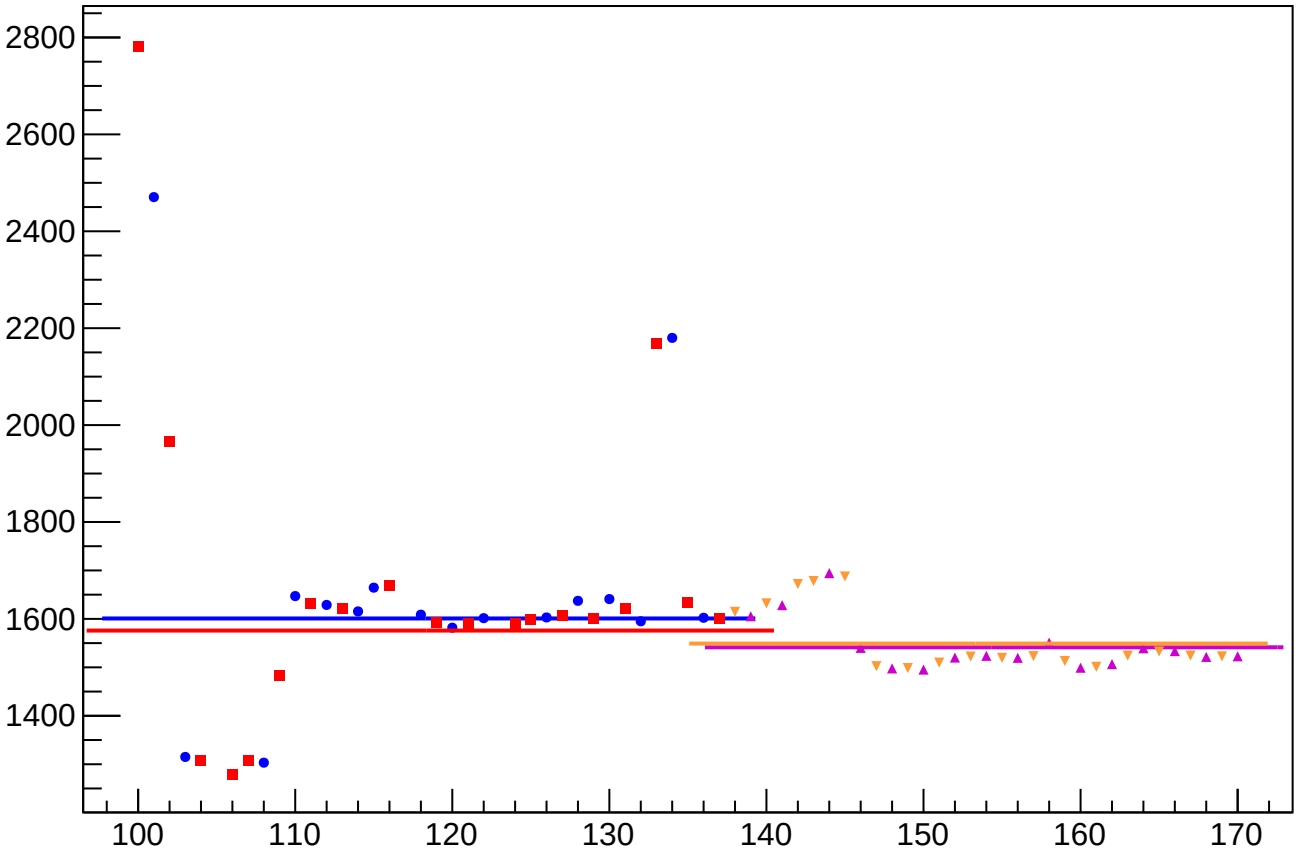
Left: 2002.711+/-299.426 χ^2/NDF: 33.6/32

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3060.541+/-346.568 χ^2/NDF:20.1/31

Out: 1492.006+/-343.181 χ^2/NDF:32.1/35

All: 2268.573+/-243.854 χ^2/NDF: 62.5/67



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1549.057+/-0.299 χ^2/NDF:42713.1/16

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

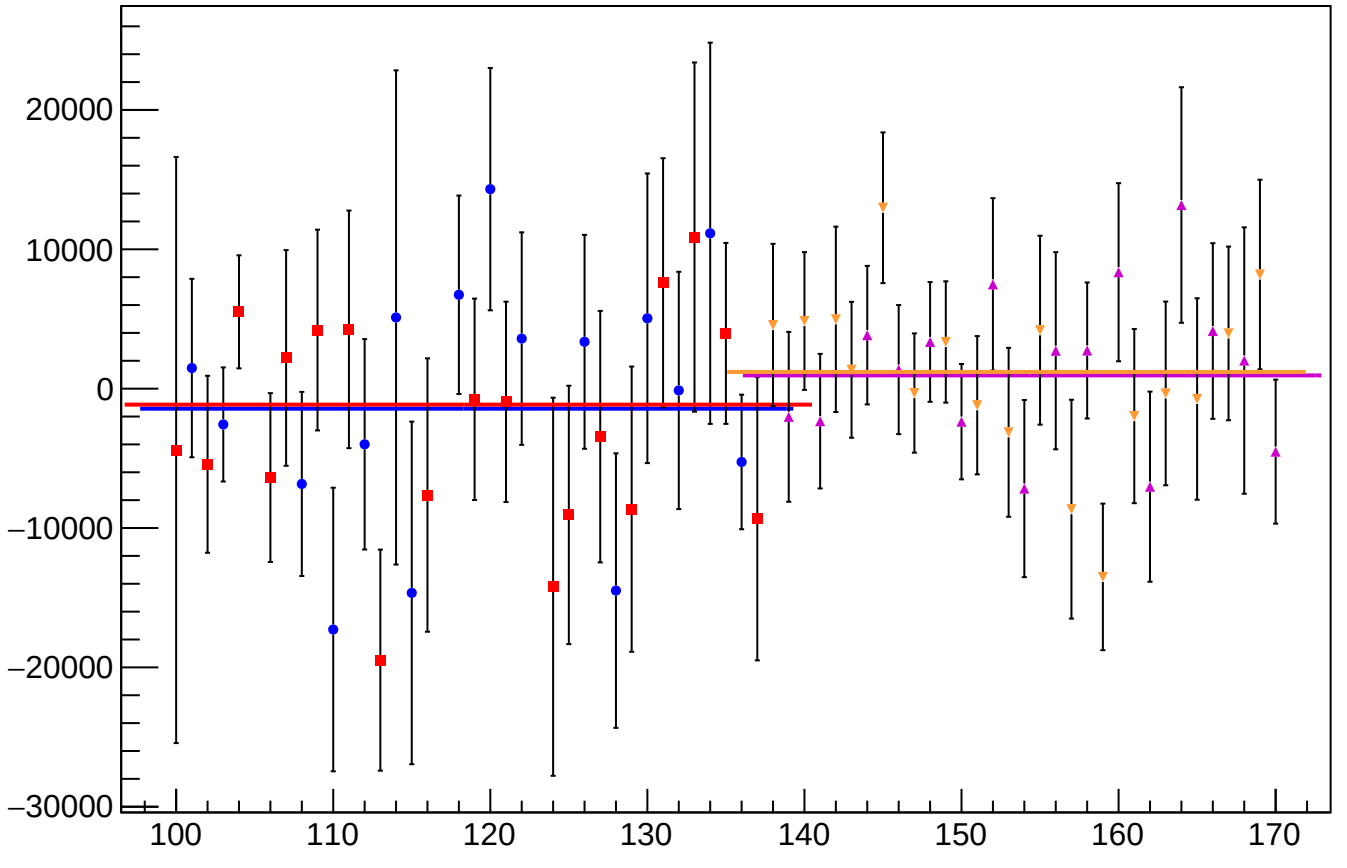
Left: 1545.225+/-0.212 χ^2/NDF: 72334.3/32

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1561.145+/-0.245 χ^2/NDF:359790.1/31

Out: 1558.260+/-0.242 χ^2/NDF:288809.5/35

All: 1559.687+/-0.172 χ^2/NDF: 648669.7/67



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1201.461+/-1368.869 χ^2/NDF:18.3/16

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 951.389+/-1392.388 χ^2/NDF:11.1/15

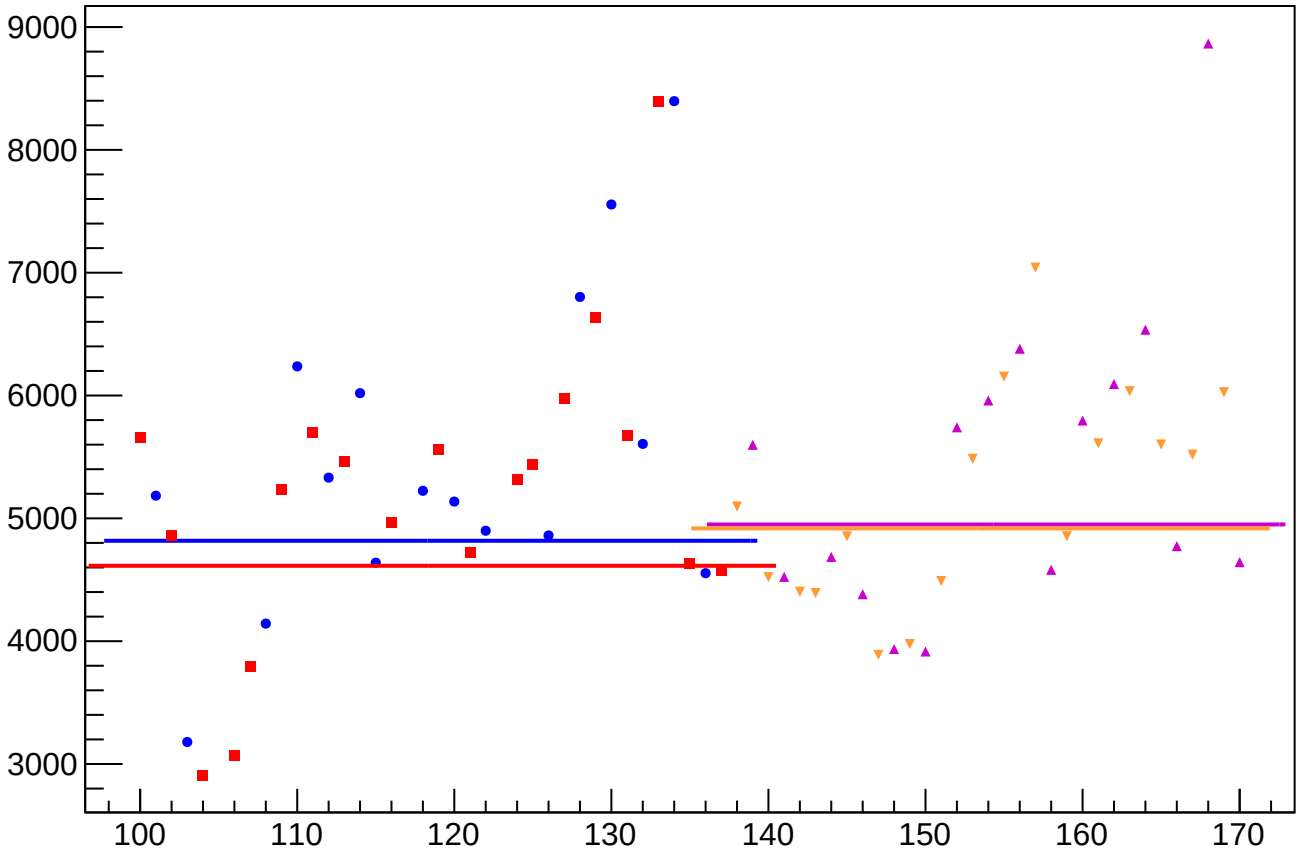
Left: 1078.555+/-976.145 χ^2/NDF: 29.4/32

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 86.564+/-1112.133 χ^2/NDF:26.1/31

Out: 319.965+/-1081.768 χ^2/NDF:35.6/35

All: 206.494+/-775.438 χ^2/NDF: 61.7/67



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4918.092+/-0.968 χ^2/NDF:676664.2/16

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4950.274+/-0.985 χ^2/NDF:992528.1/15

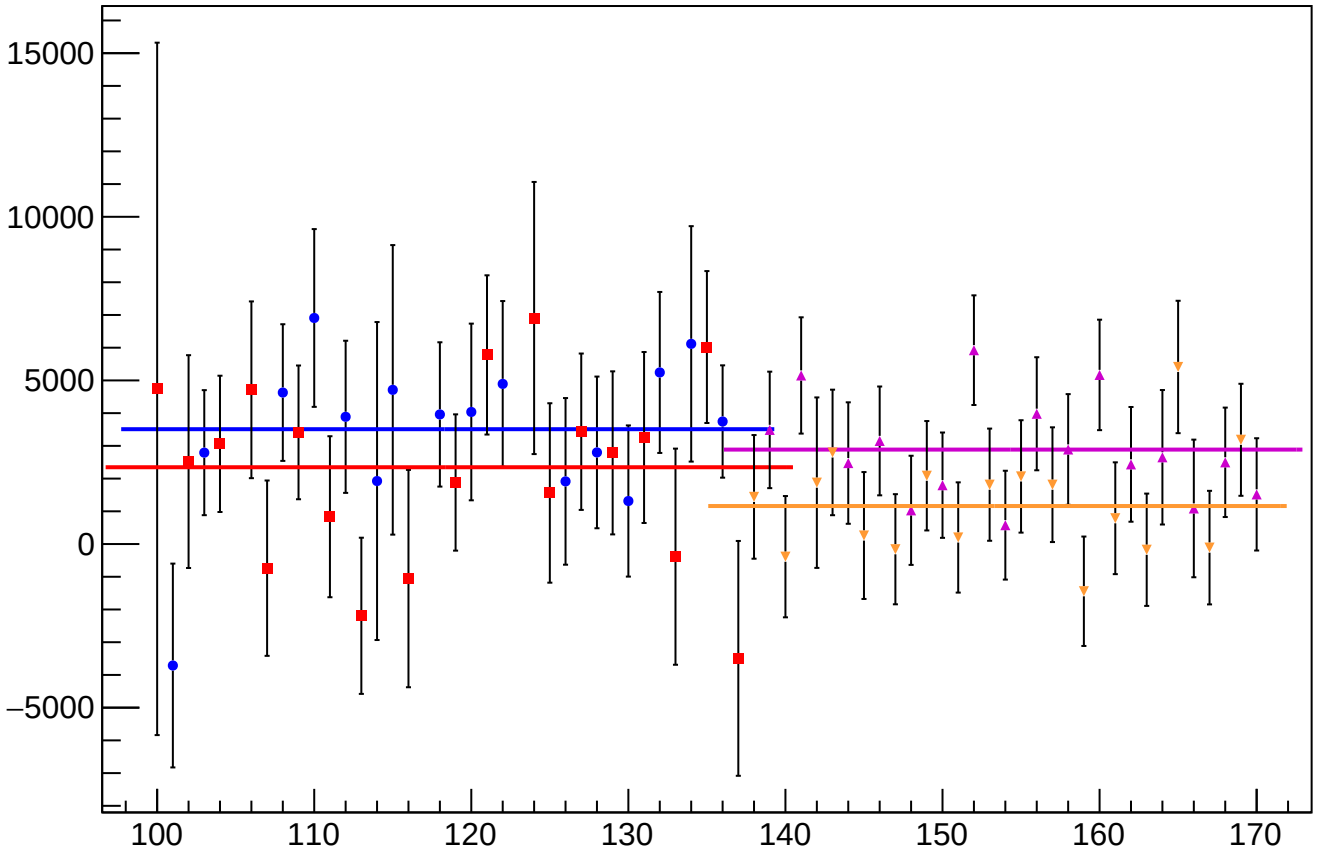
Left: 4933.909+/-0.690 χ^2/NDF: 1669735.6/32

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4902.197+/-0.786 χ^2/NDF:1794347.4/31

Out: 4803.854+/-0.765 χ^2/NDF:1691718.8/35

All: 4851.665+/-0.548 χ^2/NDF: 3494101.9/67



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1161.440+/-435.096 χ^2/NDF:13.0/16

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2886.244+/-435.630 χ^2/NDF:12.5/15

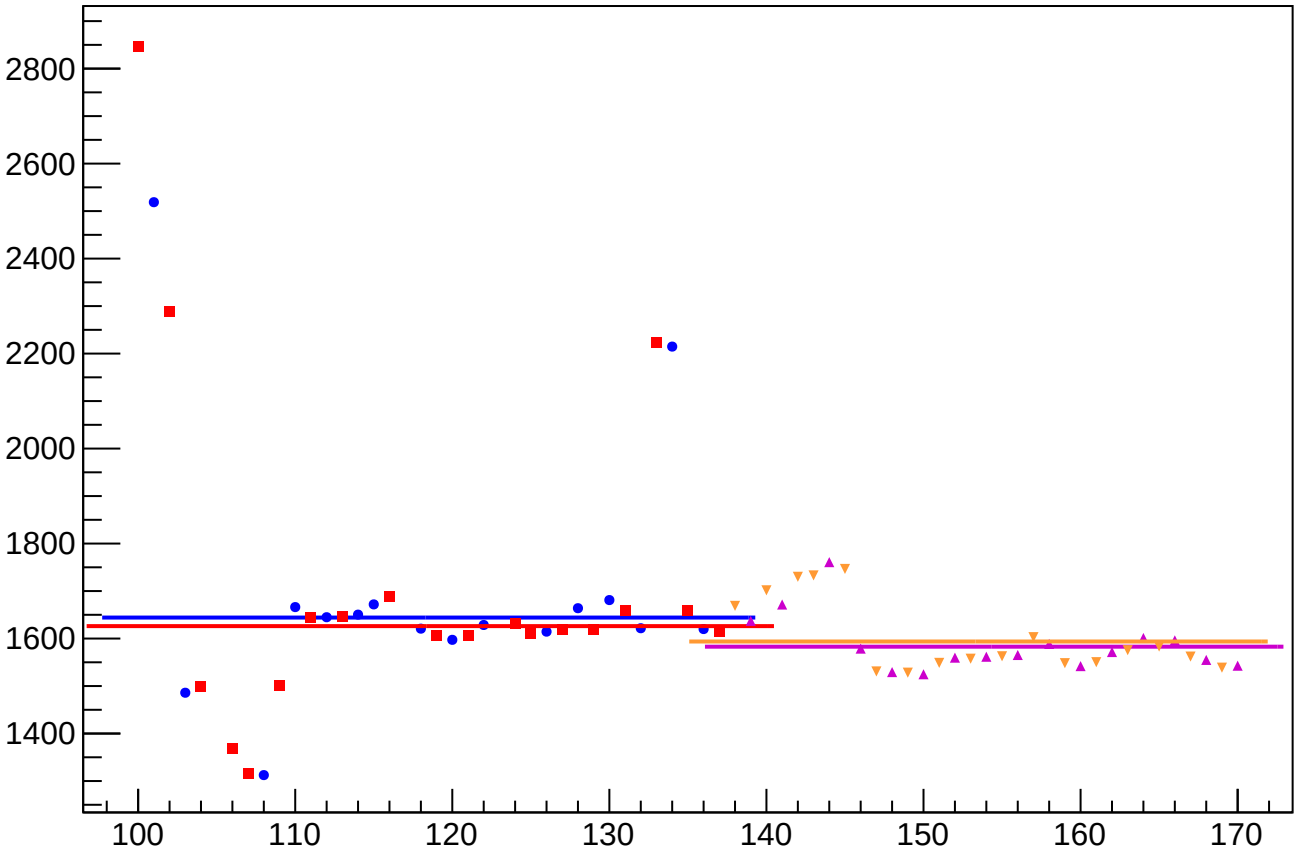
Left: 2022.783+/-307.848 χ^2/NDF: 33.3/32

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3093.706+/-355.816 χ^2/NDF:23.5/31

Out: 1563.344+/-353.731 χ^2/NDF:32.6/35

All: 2324.028+/-250.859 χ^2/NDF: 65.4/67



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1593.784+/-0.308 χ^2/NDF:53060.4/16

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1582.874+/-0.308 χ^2/NDF:34000.0/15

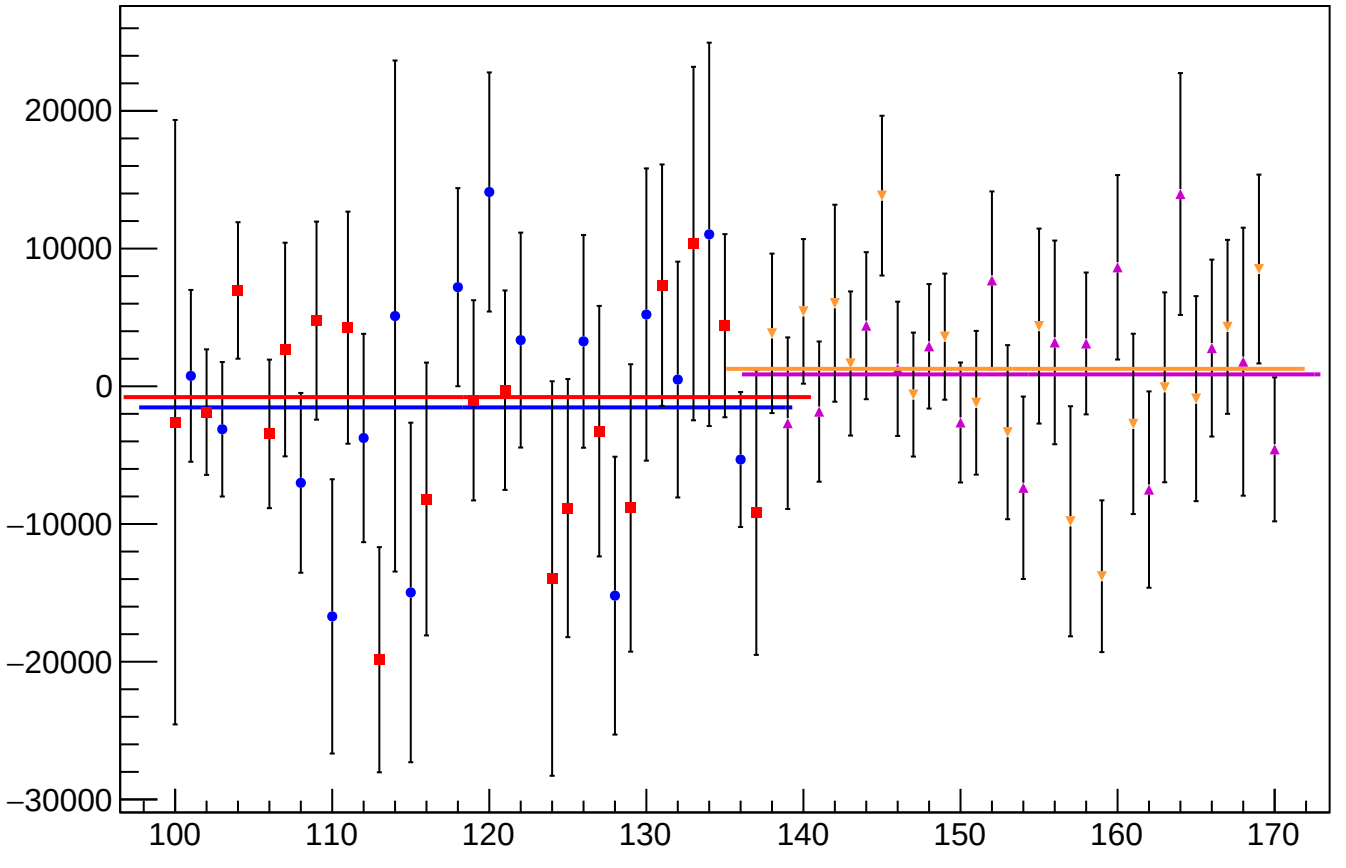
Left: 1588.336+/-0.218 χ^2/NDF: 87688.4/32

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1603.287+/-0.252 χ^2/NDF:322010.4/31

Out: 1604.779+/-0.250 χ^2/NDF:294461.7/35

All: 1604.037+/-0.177 χ^2/NDF: 616489.8/67



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1268.805+/-1433.563 χ^2/NDF:18.4/16

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 864.992+/-1455.346 χ^2/NDF:11.0/15

Left: 1069.943+/-1021.296 χ^2/NDF: 29.4/32

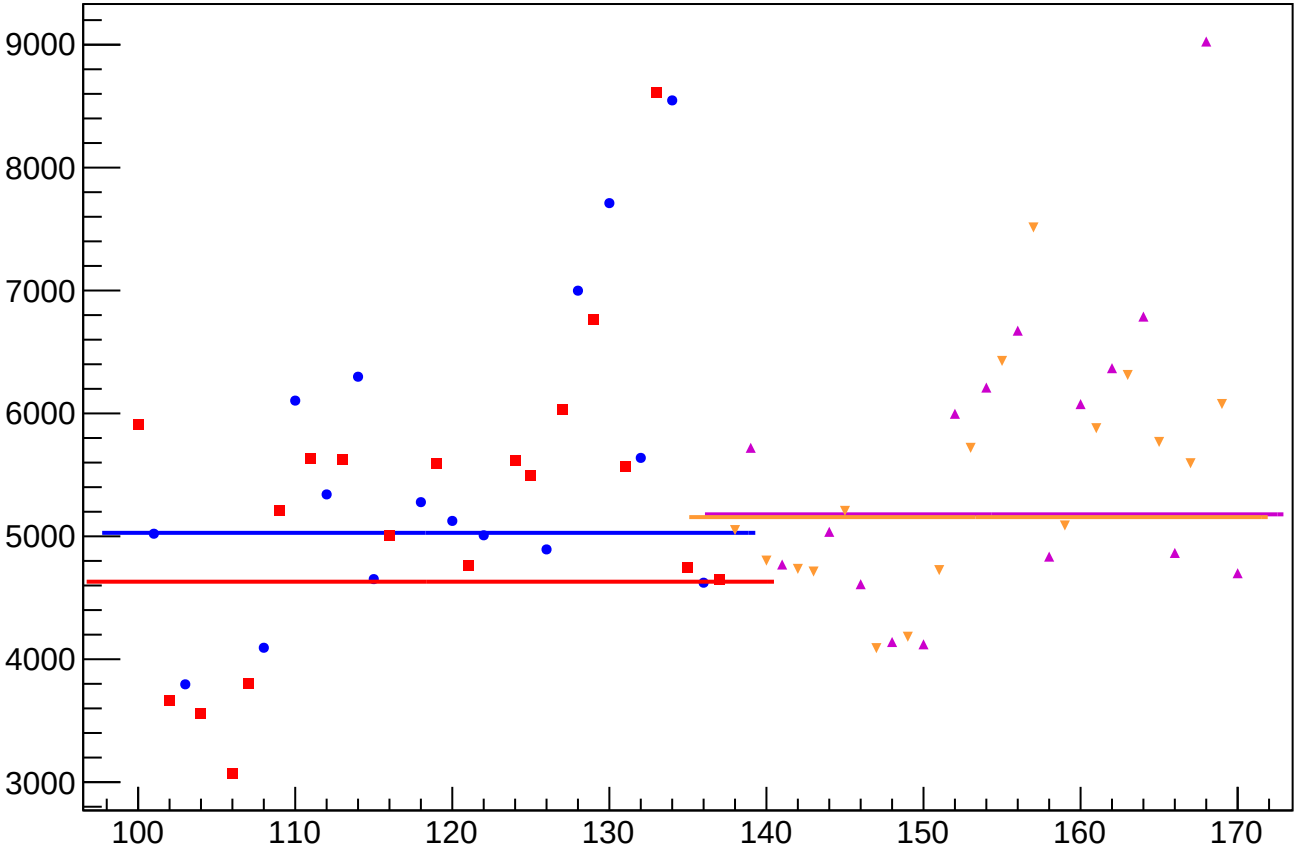
Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -13.306+/-1158.441 χ^2/NDF:25.8/31

Out: 443.546+/-1108.609 χ^2/NDF:34.3/35

All: 225.157+/-800.943 χ^2/NDF: 60.2/67

asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5156.401+/-1.014 χ^2/NDF:626930.5/16

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5178.923+/-1.029 χ^2/NDF:944058.2/15

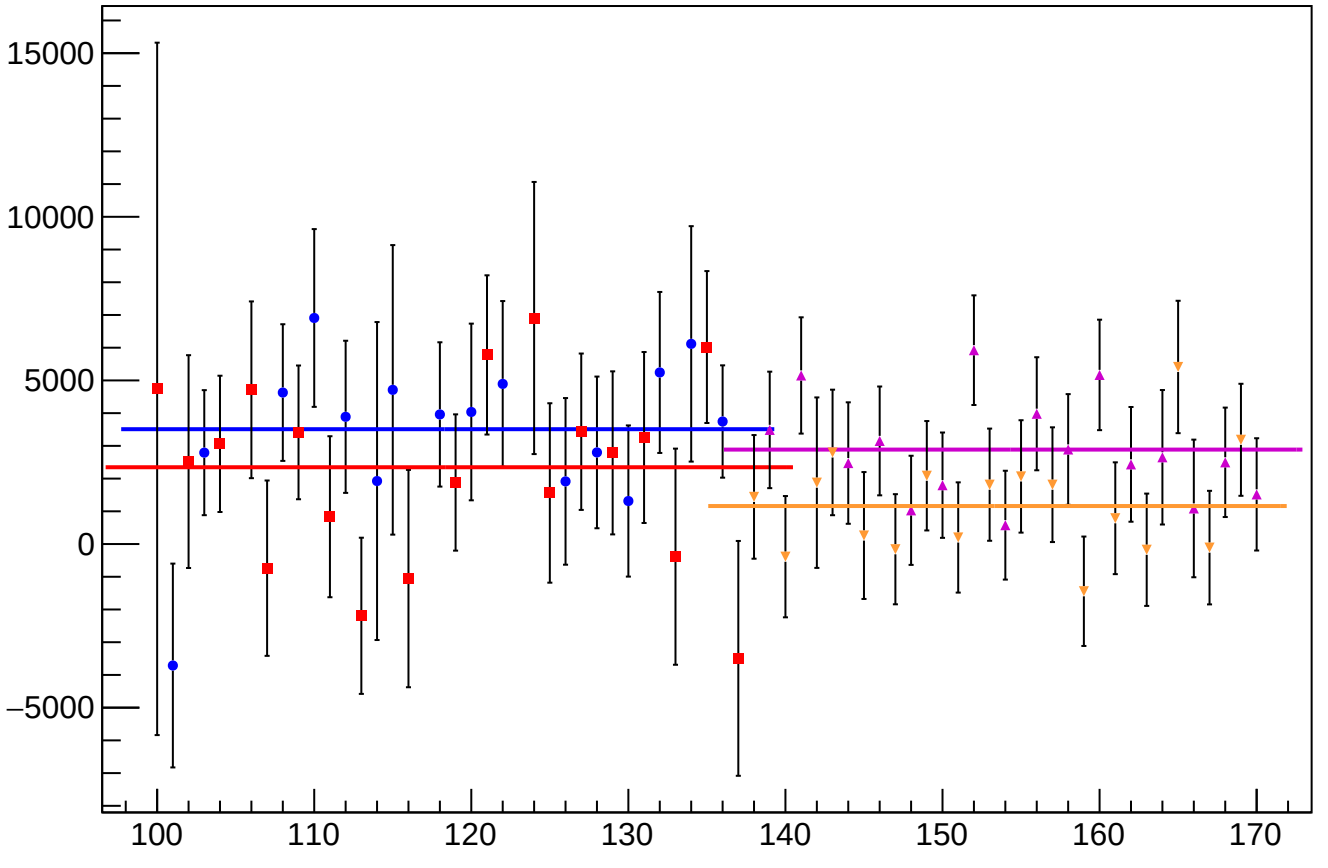
Left: 5167.492+/-0.722 χ^2/NDF: 1571231.8/32

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5123.789+/-0.819 χ^2/NDF:1517361.5/31

Out: 4945.166+/-0.784 χ^2/NDF:1598473.0/35

All: 5030.553+/-0.566 χ^2/NDF: 3140654.6/67



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1161.430+/-435.096 χ^2/NDF:13.0/16

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2886.248+/-435.631 χ^2/NDF:12.5/15

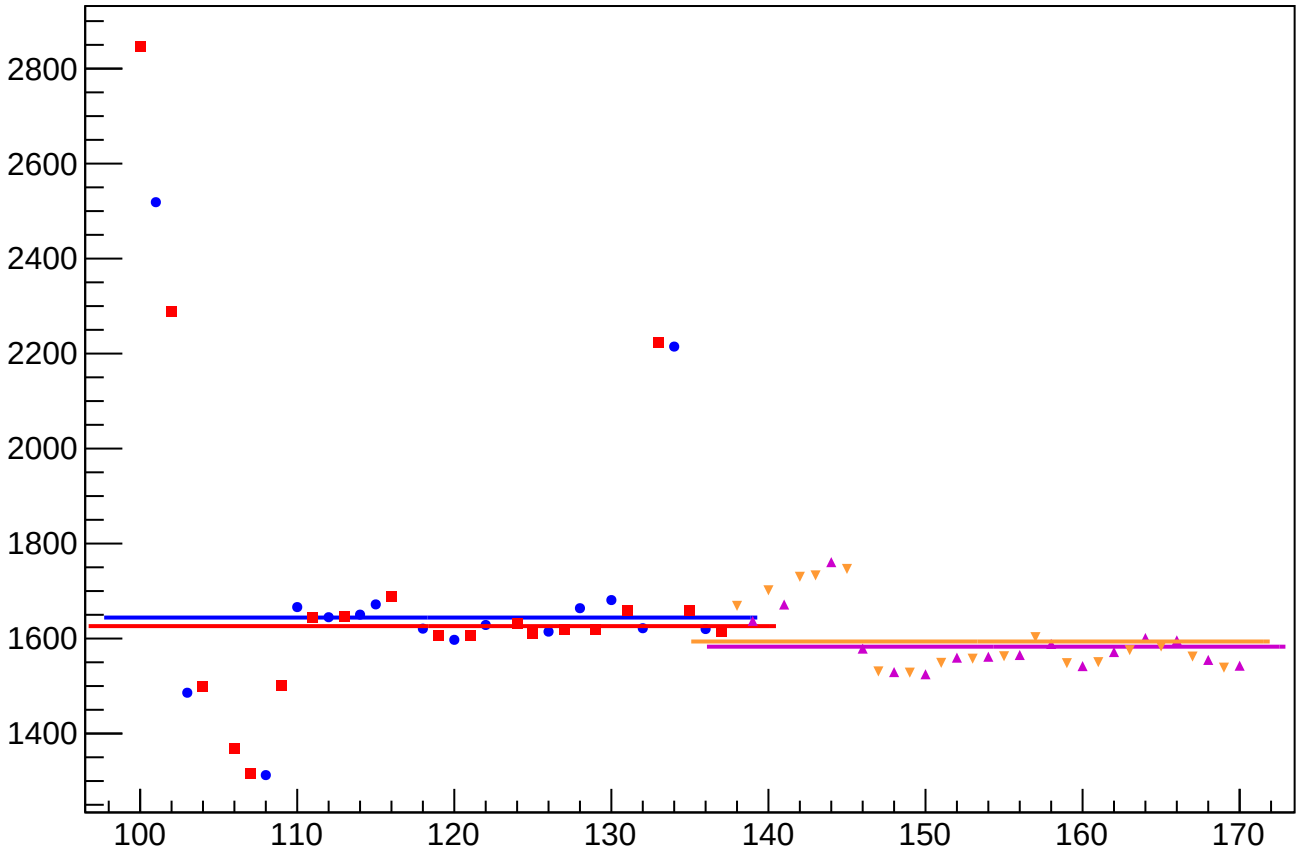
Left: 2022.780+/-307.848 χ^2/NDF: 33.3/32

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3093.710+/-355.816 χ^2/NDF:23.5/31

Out: 1563.340+/-353.731 χ^2/NDF:32.6/35

All: 2324.028+/-250.859 χ^2/NDF: 65.4/67



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1593.786+/-0.308 χ^2/NDF:53060.4/16

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1582.875+/-0.308 χ^2/NDF:33999.9/15

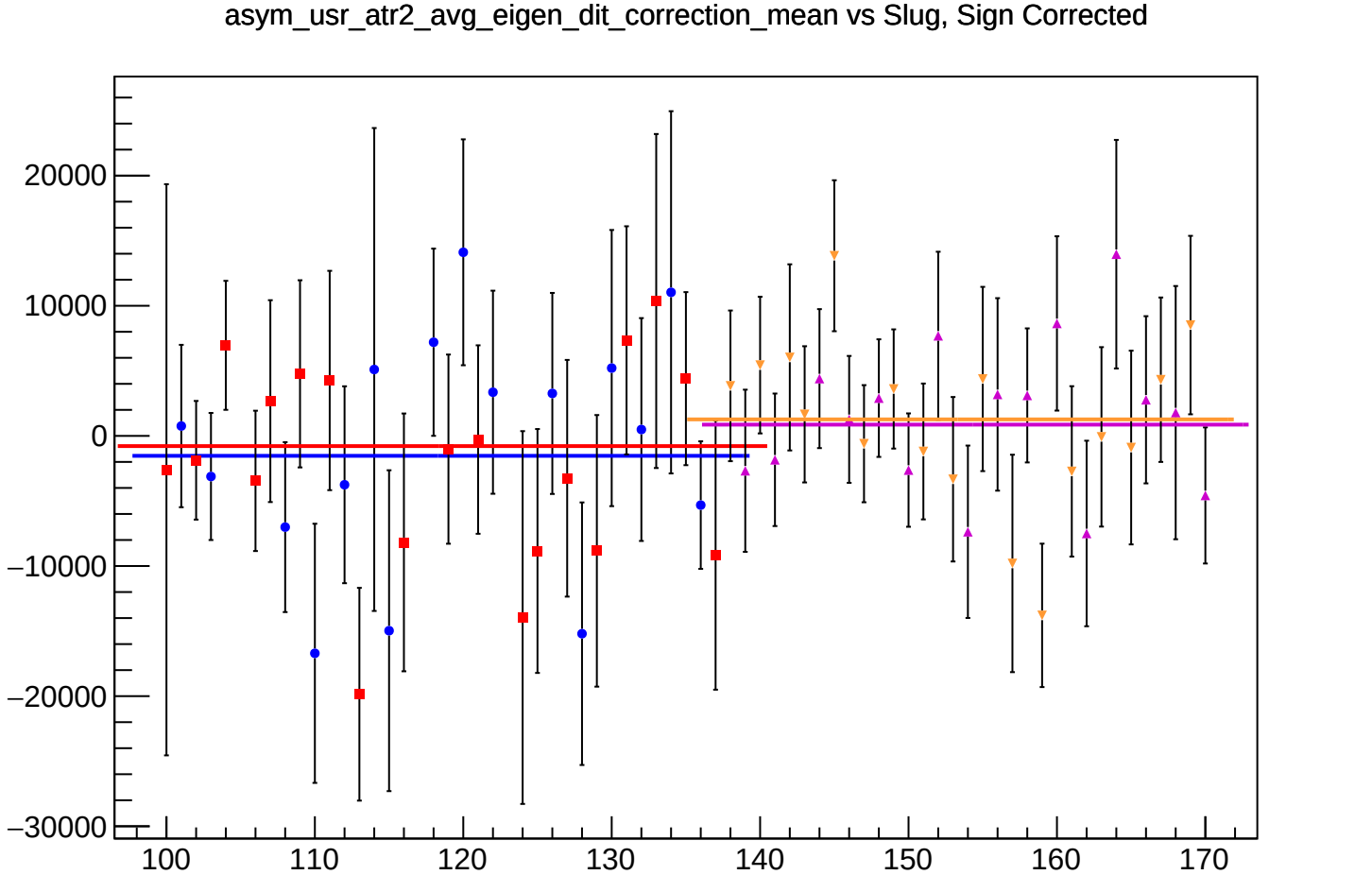
Left: 1588.337+/-0.218 χ^2/NDF: 87688.4/32

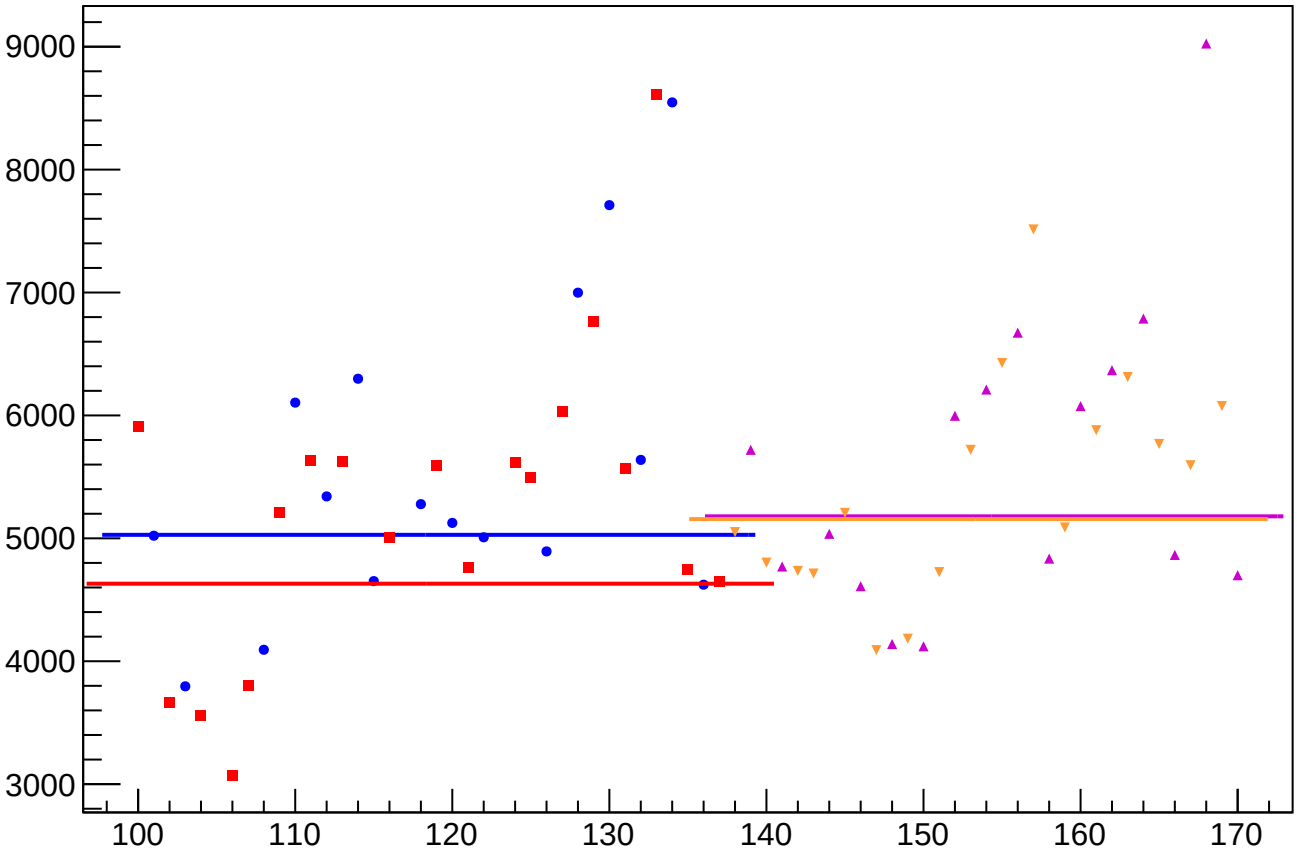
Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1603.287+/-0.252 χ^2/NDF:322009.7/31

Out: 1604.779+/-0.250 χ^2/NDF:294461.0/35

All: 1604.038+/-0.177 χ^2/NDF: 616488.4/67


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 1268.801+/-1433.565 χ²/NDF:18.4/16
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: 864.991+/-1455.349 χ²/NDF:11.0/15
Left: 1069.940+/-1021.298 χ²/NDF: 29.4/32
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -13.305+/-1158.442 χ²/NDF:25.8/31
Out: 443.540+/-1108.610 χ²/NDF:34.3/35
All: 225.155+/-800.943 χ²/NDF: 60.2/67



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5156.409+/-1.014 χ^2/NDF:626931.3/16

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5178.931+/-1.029 χ^2/NDF:944059.9/15

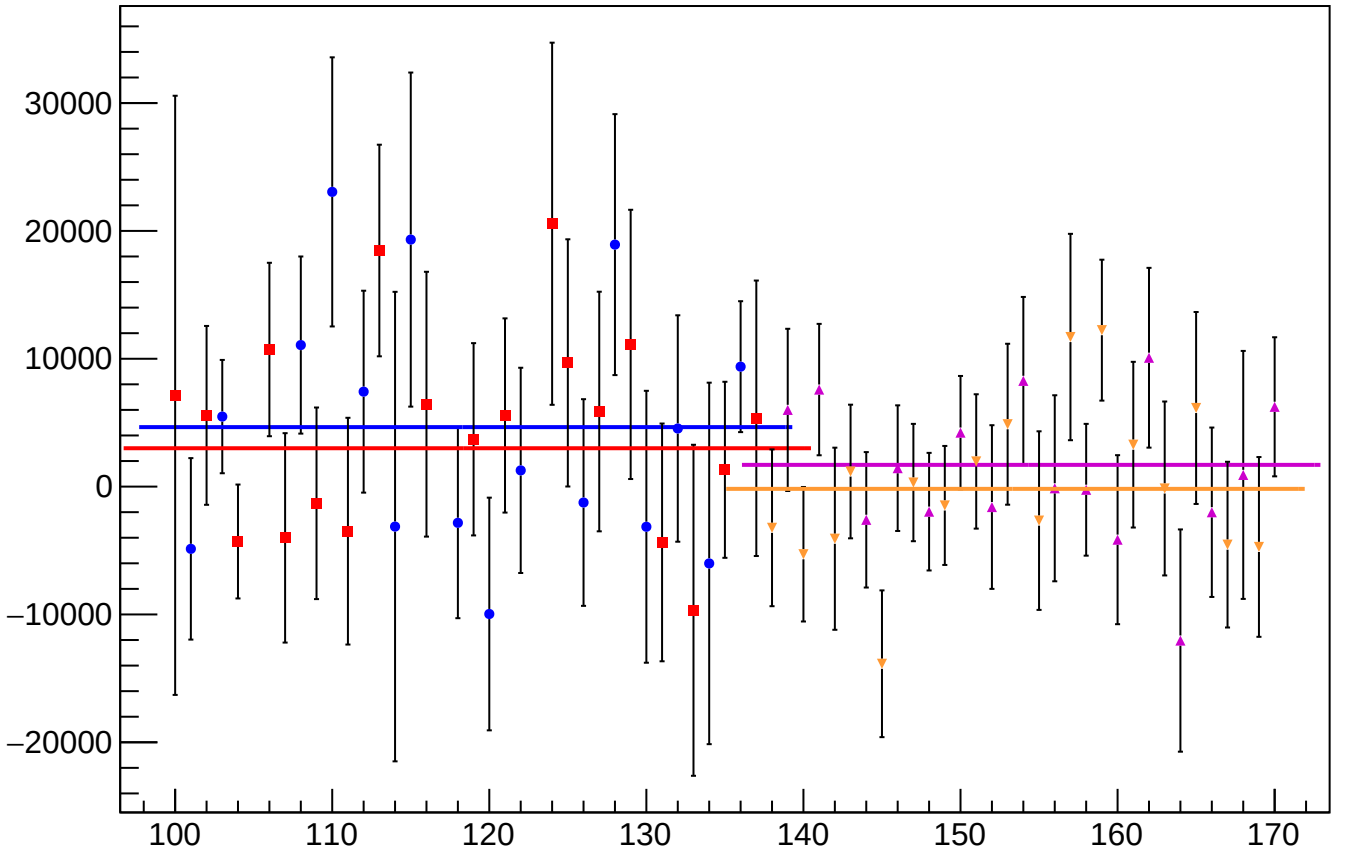
Left: 5167.501+/-0.722 χ^2/NDF: 1571234.3/32

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5123.792+/-0.819 χ^2/NDF:1517358.4/31

Out: 4945.168+/-0.784 χ^2/NDF:1598474.1/35

All: 5030.556+/-0.566 χ^2/NDF: 3140652.9/67



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -176.410+/-1442.652 χ^2/NDF:17.4/16

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1700.116+/-1465.421 χ^2/NDF:10.6/15

Left: 747.162+/-1028.065 χ^2/NDF: 28.8/32

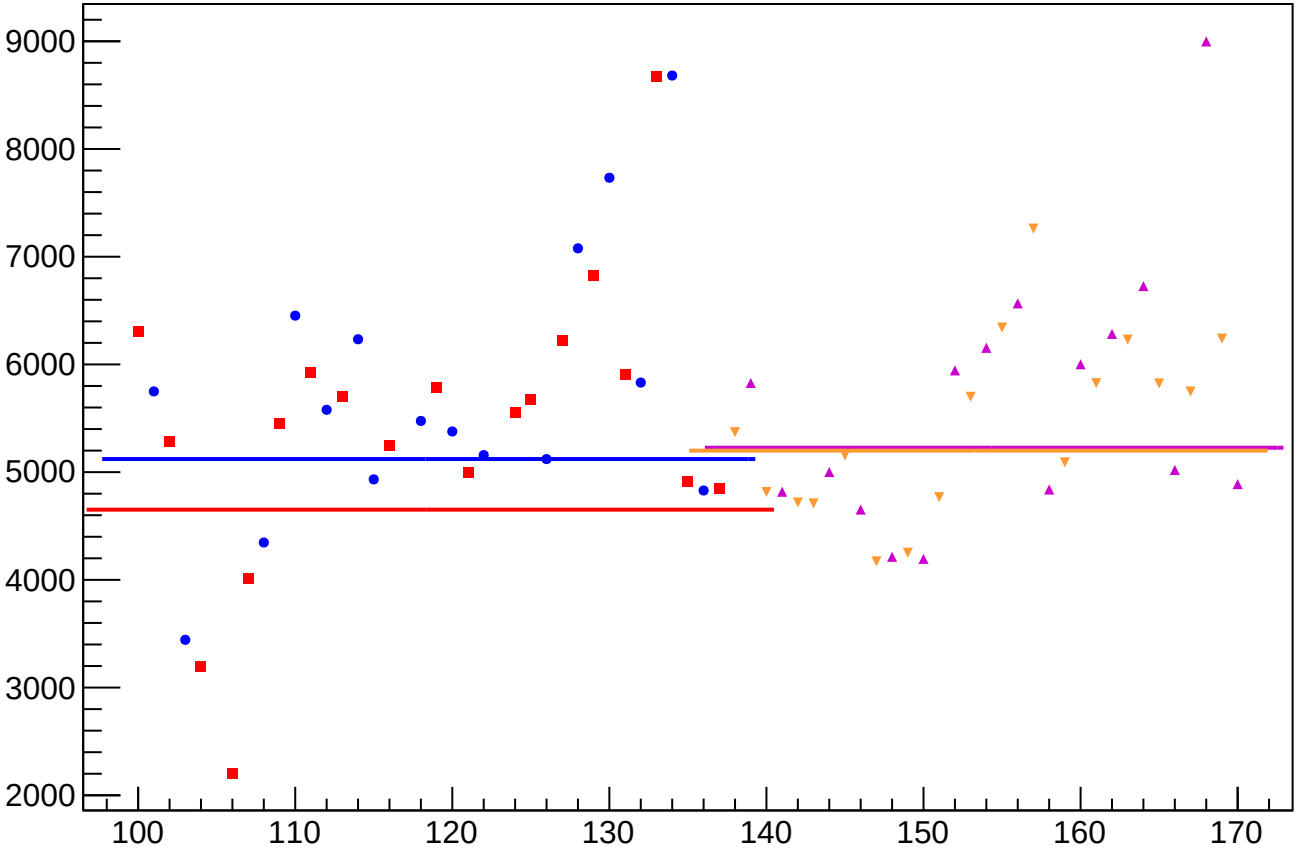
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2760.005+/-1173.328 χ^2/NDF:27.6/31

Out: 998.959+/-1145.146 χ^2/NDF:33.0/35

All: 1858.078+/-819.523 χ^2/NDF: 61.8/67

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5199.882+/-1.020 χ^2/NDF:569848.2/16

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5226.735+/-1.036 χ^2/NDF:855520.6/15

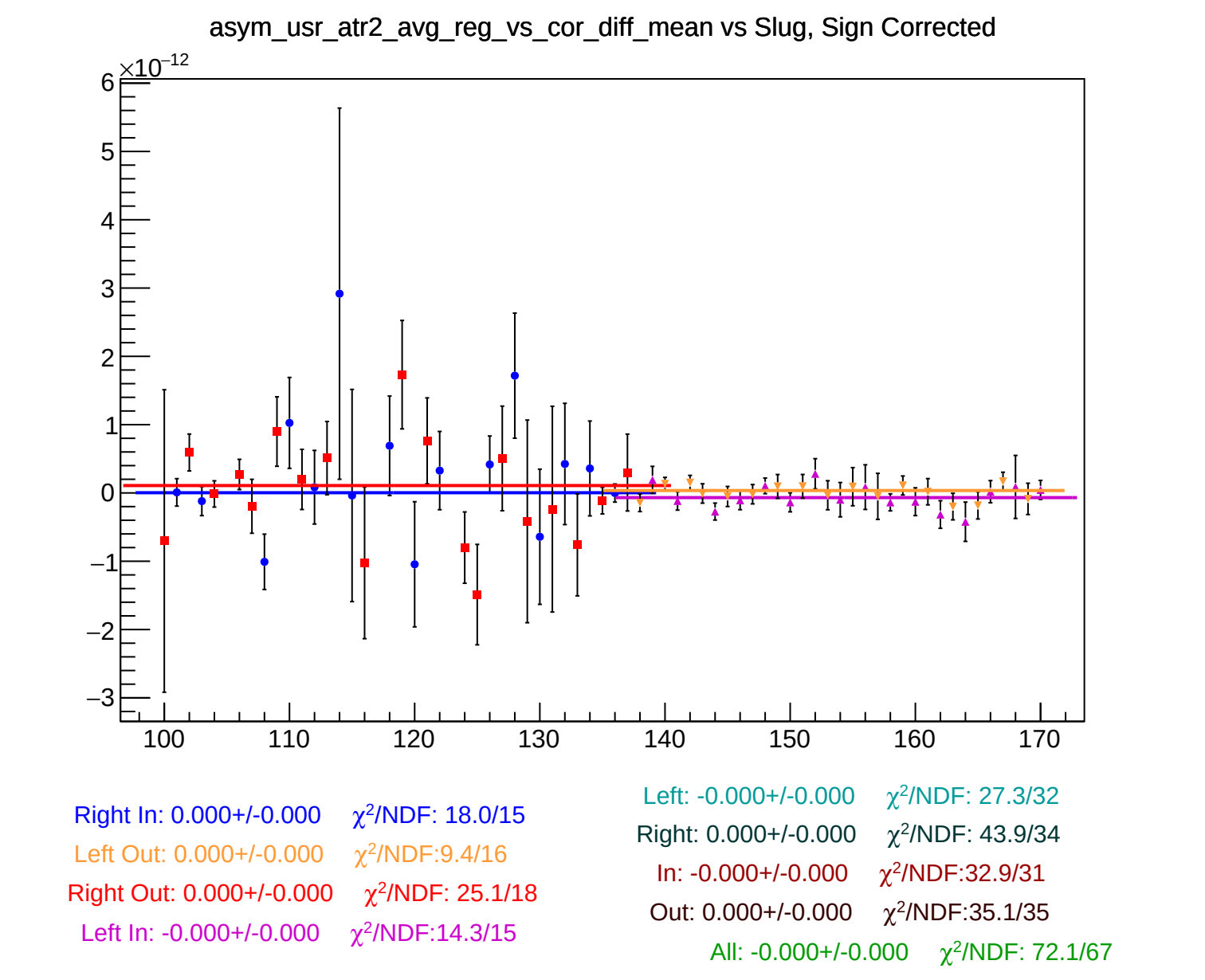
Left: 5213.098+/-0.727 χ^2/NDF: 1425709.9/32

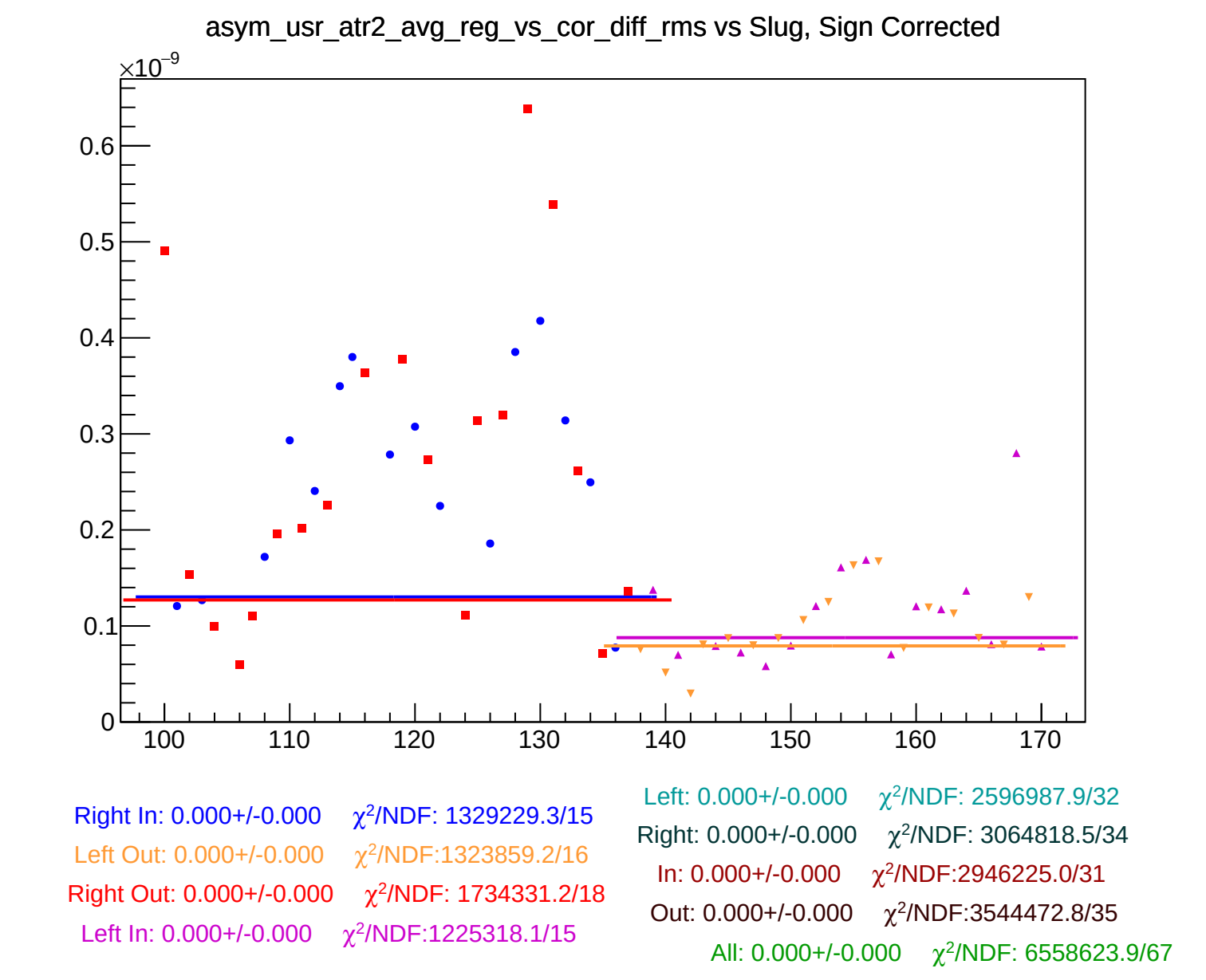
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

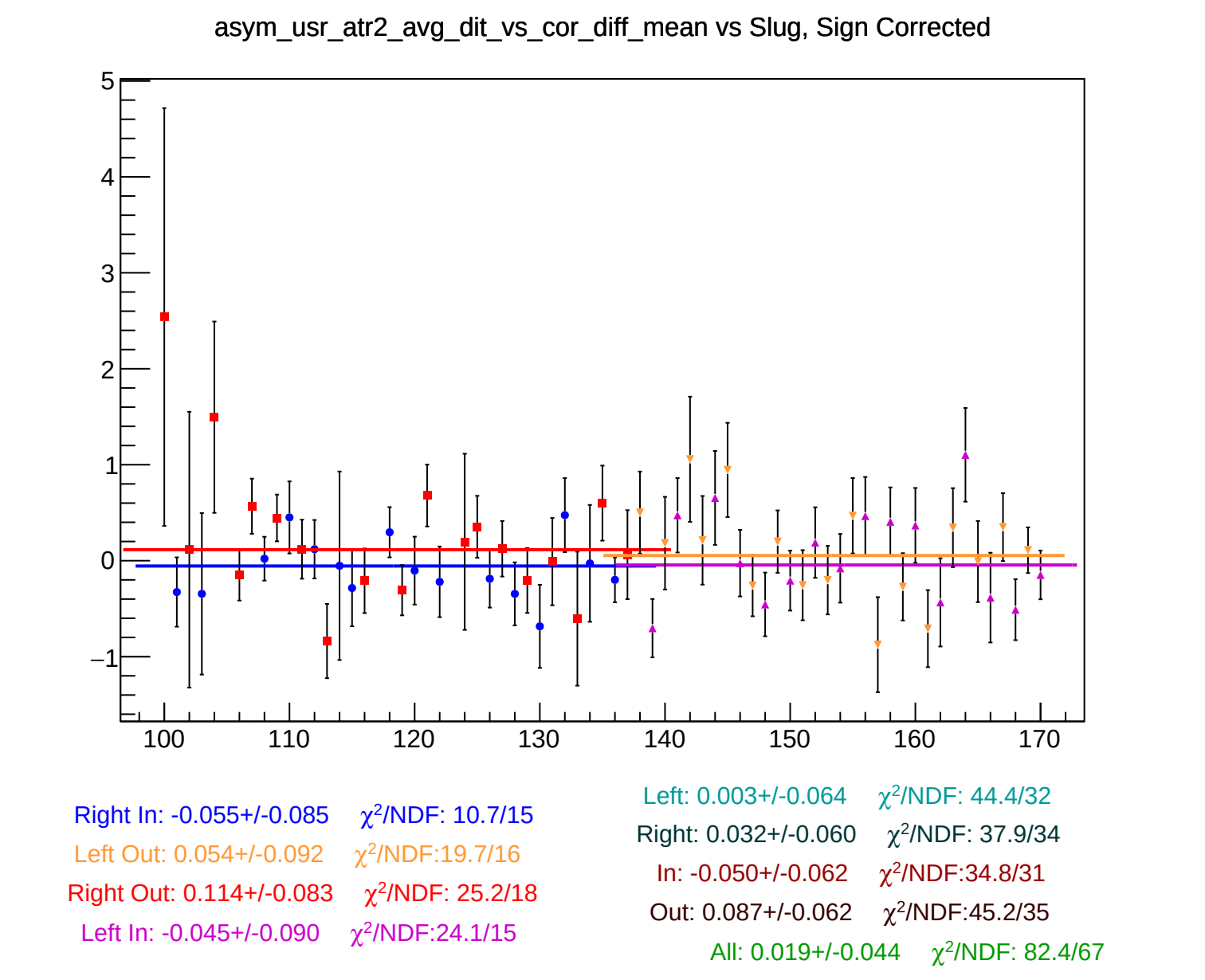
In: 5189.016+/-0.830 χ^2/NDF:1579582.4/31

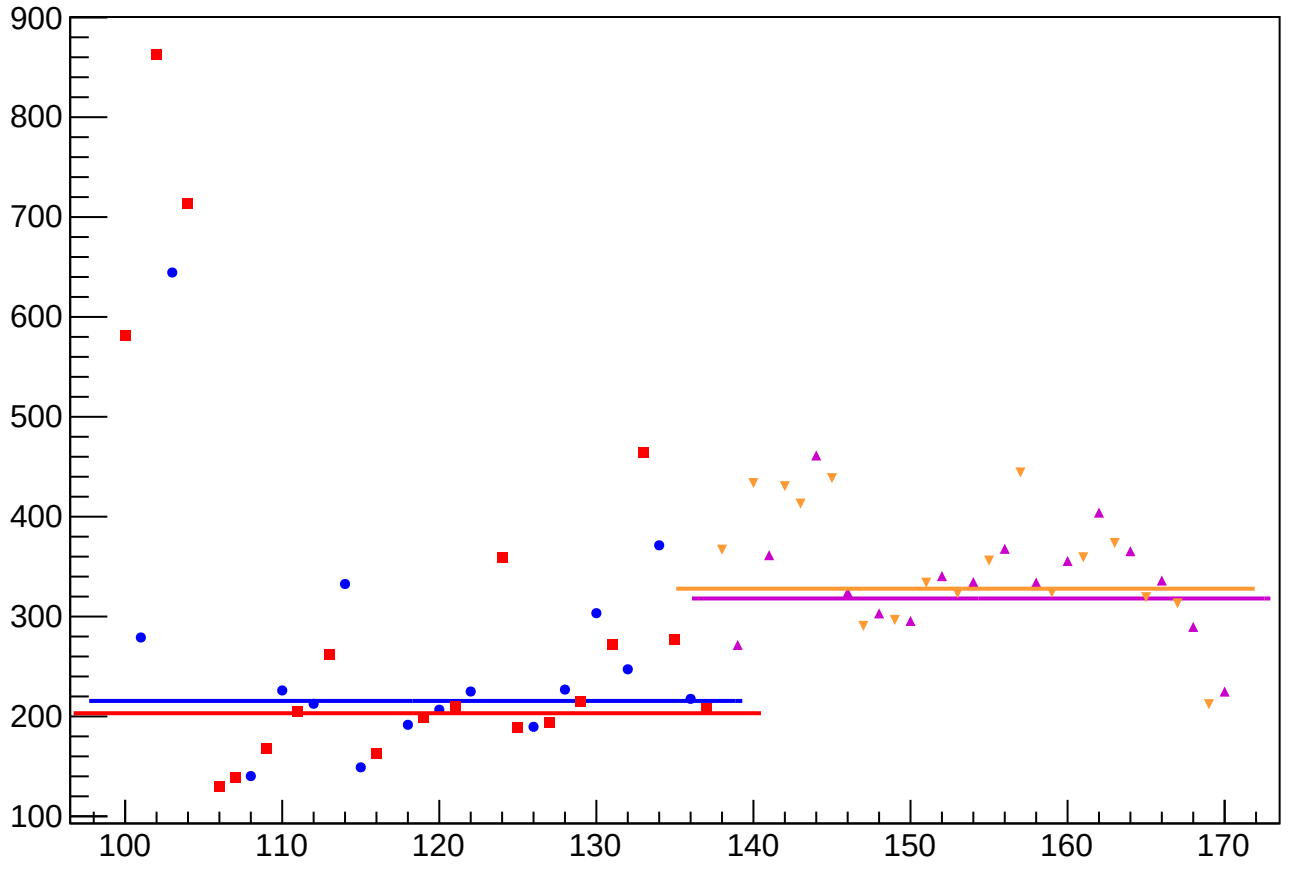
Out: 4987.032+/-0.798 χ^2/NDF:2026836.3/35

All: 5084.075+/-0.575 χ^2/NDF: 3637211.8/67


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
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:9.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:14.3/15
Left: -0.000+/-0.000 χ²/NDF: 27.3/32
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:32.9/31
Out: 0.000+/-0.000 χ²/NDF:35.1/35
All: -0.000+/-0.000 χ²/NDF: 72.1/67


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:1323859.2/16
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1225318.1/15
Left: 0.000+/-0.000 χ²/NDF: 2596987.9/32
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2946225.0/31
Out: 0.000+/-0.000 χ²/NDF:3544472.8/35
All: 0.000+/-0.000 χ²/NDF: 6558623.9/67


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: 0.054+/-0.092 χ²/NDF:19.7/16
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.045+/-0.090 χ²/NDF:24.1/15
Left: 0.003+/-0.064 χ²/NDF: 44.4/32
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.050+/-0.062 χ²/NDF:34.8/31
Out: 0.087+/-0.062 χ²/NDF:45.2/35
All: 0.019+/-0.044 χ²/NDF: 82.4/67



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 327.900+/-0.065 χ^2/NDF:1012596.4/16

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 318.094+/-0.064 χ^2/NDF:698631.3/15

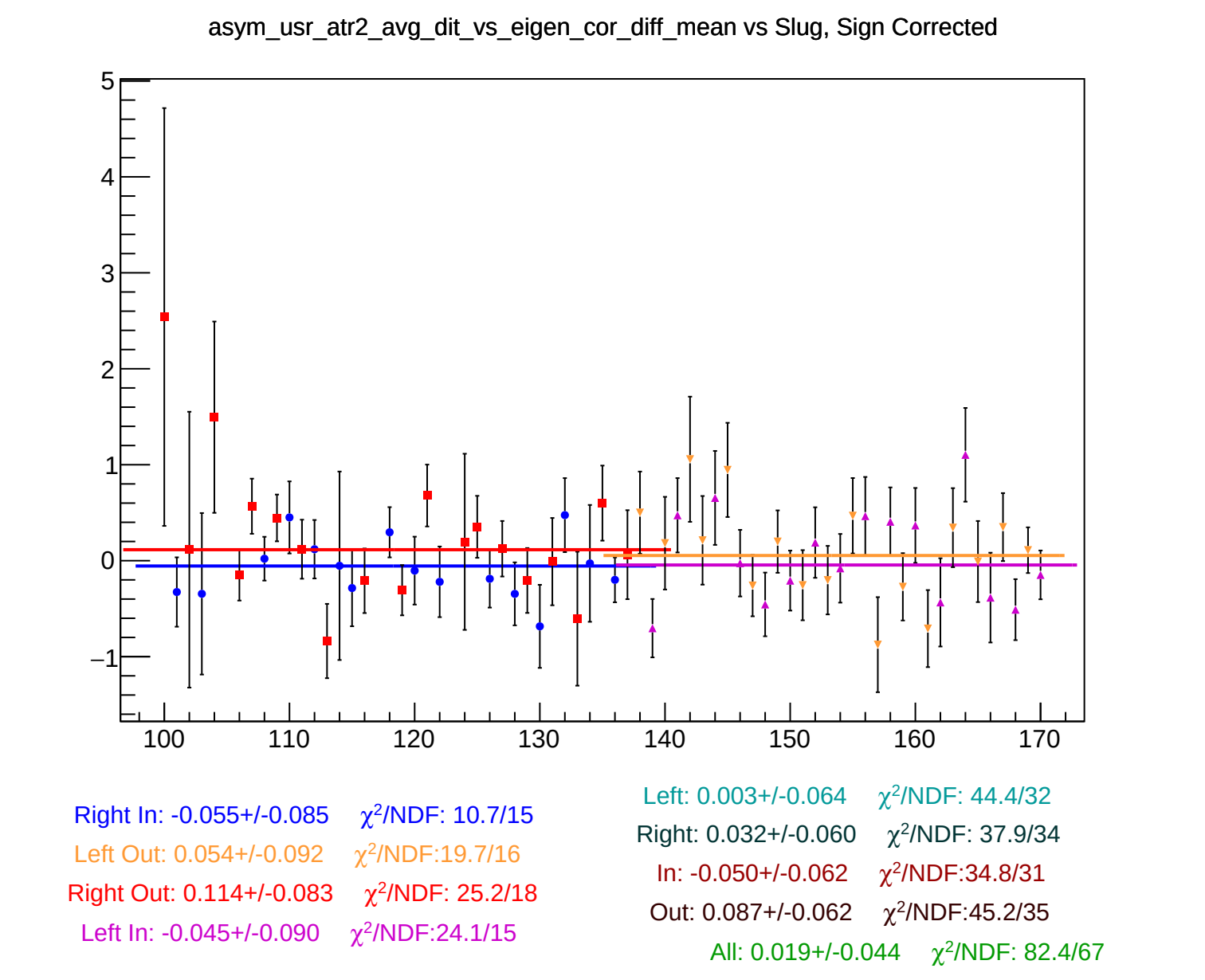
Left: 322.870+/-0.046 χ^2/NDF: 1722817.6/32

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

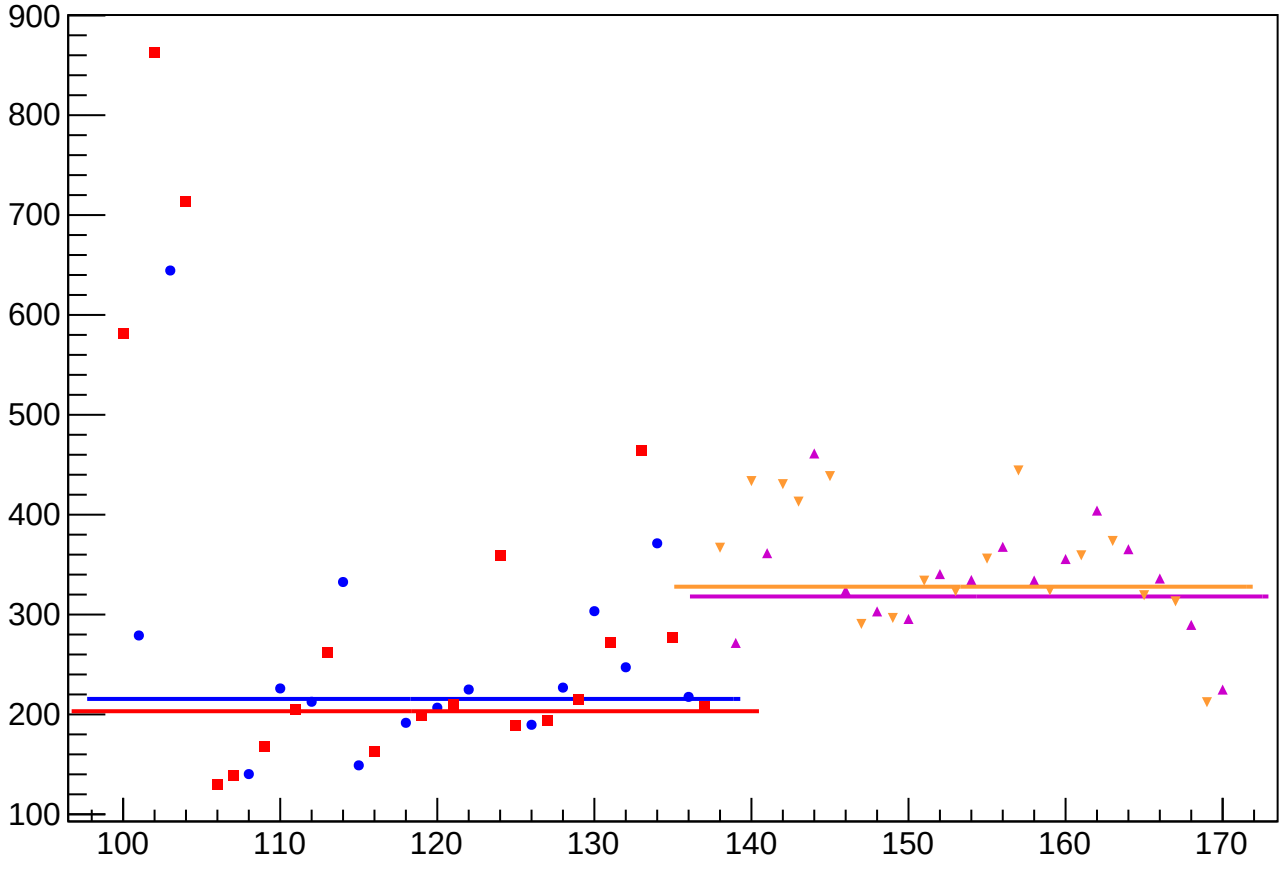
In: 264.218+/-0.044 χ^2/NDF:3214991.5/31

Out: 259.147+/-0.044 χ^2/NDF:4862700.2/35

All: 261.677+/-0.031 χ^2/NDF: 8084410.7/67


asym_usr_atr2_avg_dit_vs_eigen_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: 0.054+/-0.092 χ²/NDF:19.7/16
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.045+/-0.090 χ²/NDF:24.1/15
Left: 0.003+/-0.064 χ²/NDF: 44.4/32
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.050+/-0.062 χ²/NDF:34.8/31
Out: 0.087+/-0.062 χ²/NDF:45.2/35
All: 0.019+/-0.044 χ²/NDF: 82.4/67

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: 327.900+/-0.065 χ^2/NDF:1012596.4/16

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 318.094+/-0.064 χ^2/NDF:698631.3/15

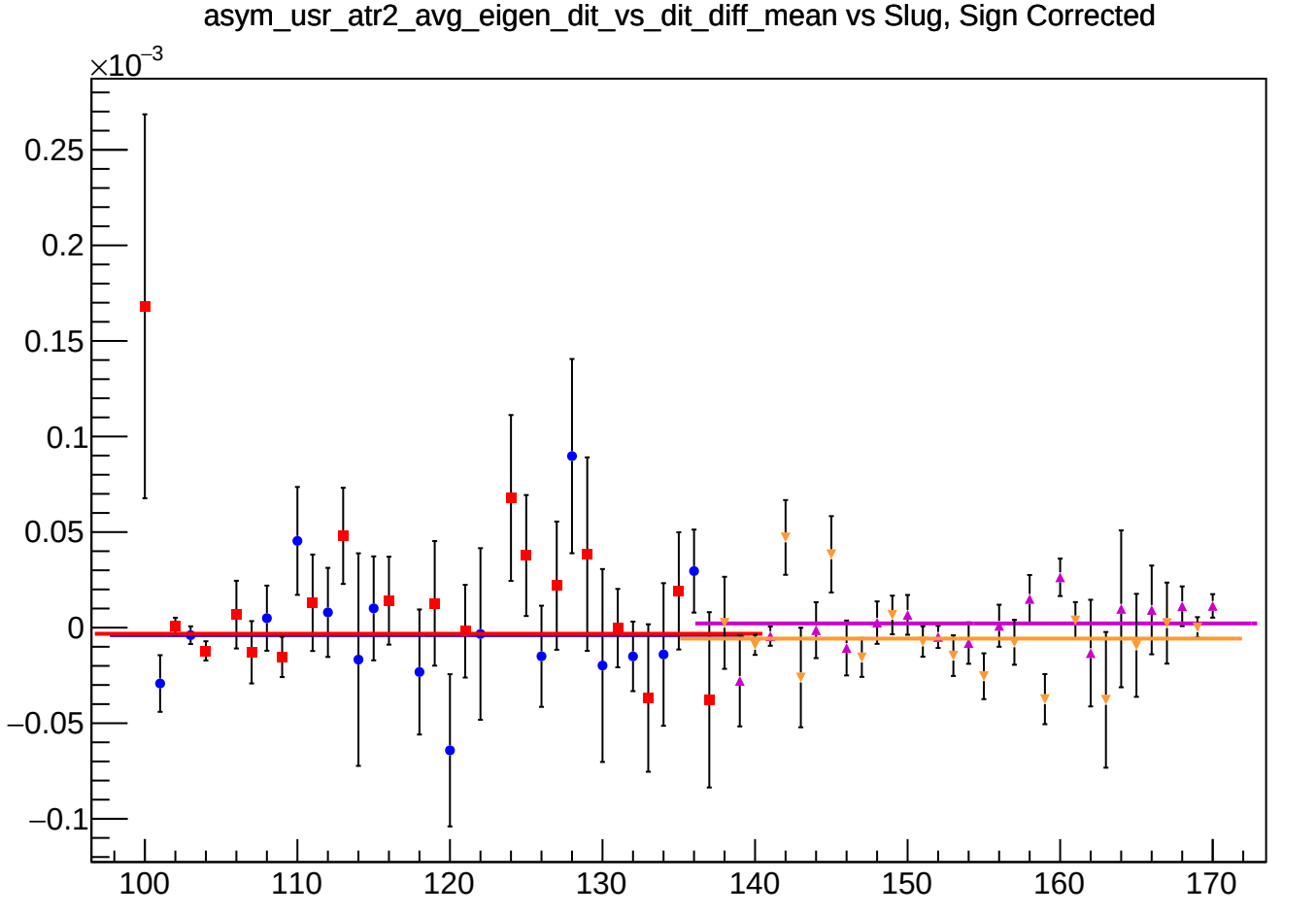
Left: 322.870+/-0.046 χ^2/NDF: 1722817.6/32

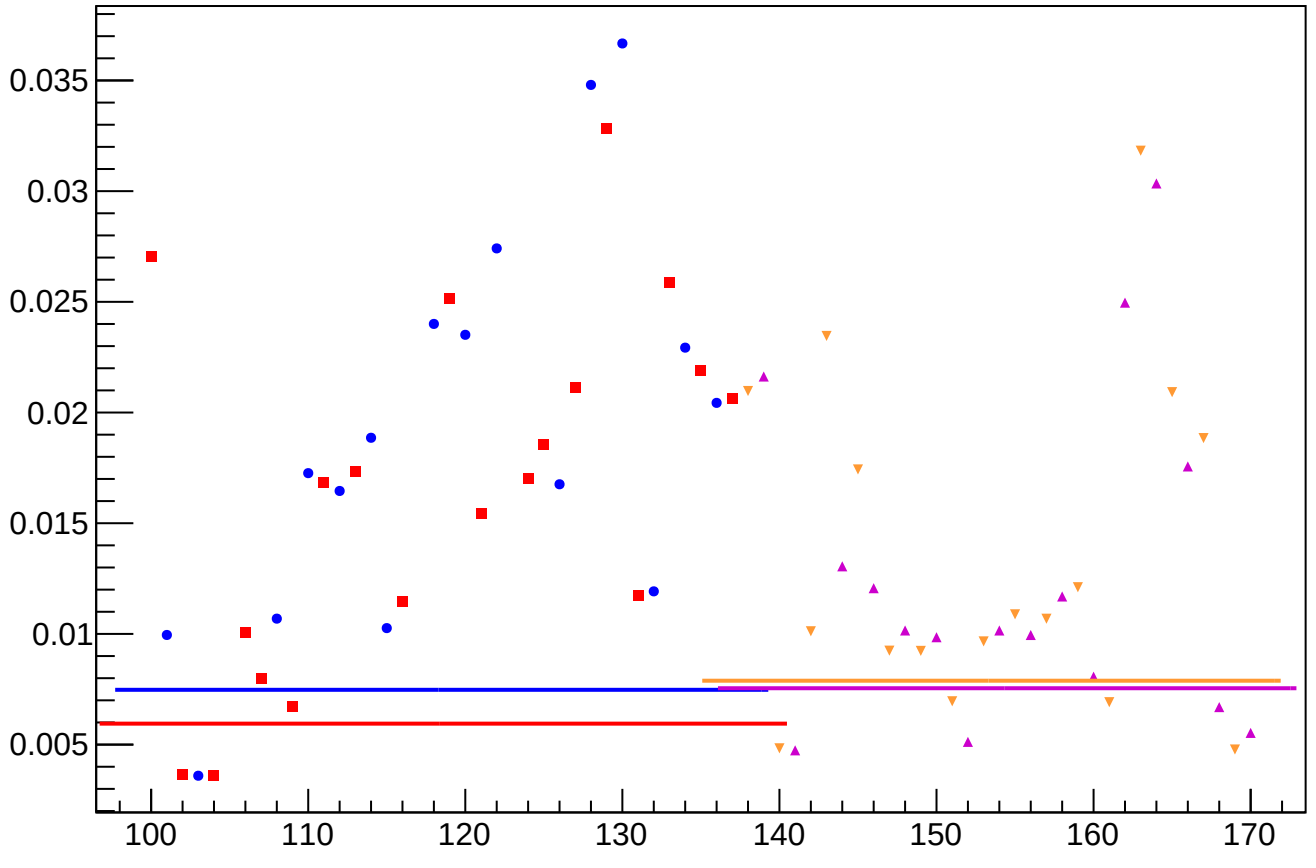
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.218+/-0.044 χ^2/NDF:3214991.5/31

Out: 259.147+/-0.044 χ^2/NDF:4862700.2/35

All: 261.677+/-0.031 χ^2/NDF: 8084410.7/67


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:28.2/16
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/15
Left: -0.000+/-0.000 χ²/NDF: 50.7/32
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: 0.000+/-0.000 χ²/NDF:35.1/31
Out: -0.000+/-0.000 χ²/NDF:50.3/35
All: -0.000+/-0.000 χ²/NDF: 88.7/67



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:5675245.9/16

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4793113.0/15

Left: 0.008+/-0.000 χ^2/NDF: 10487411.6/32

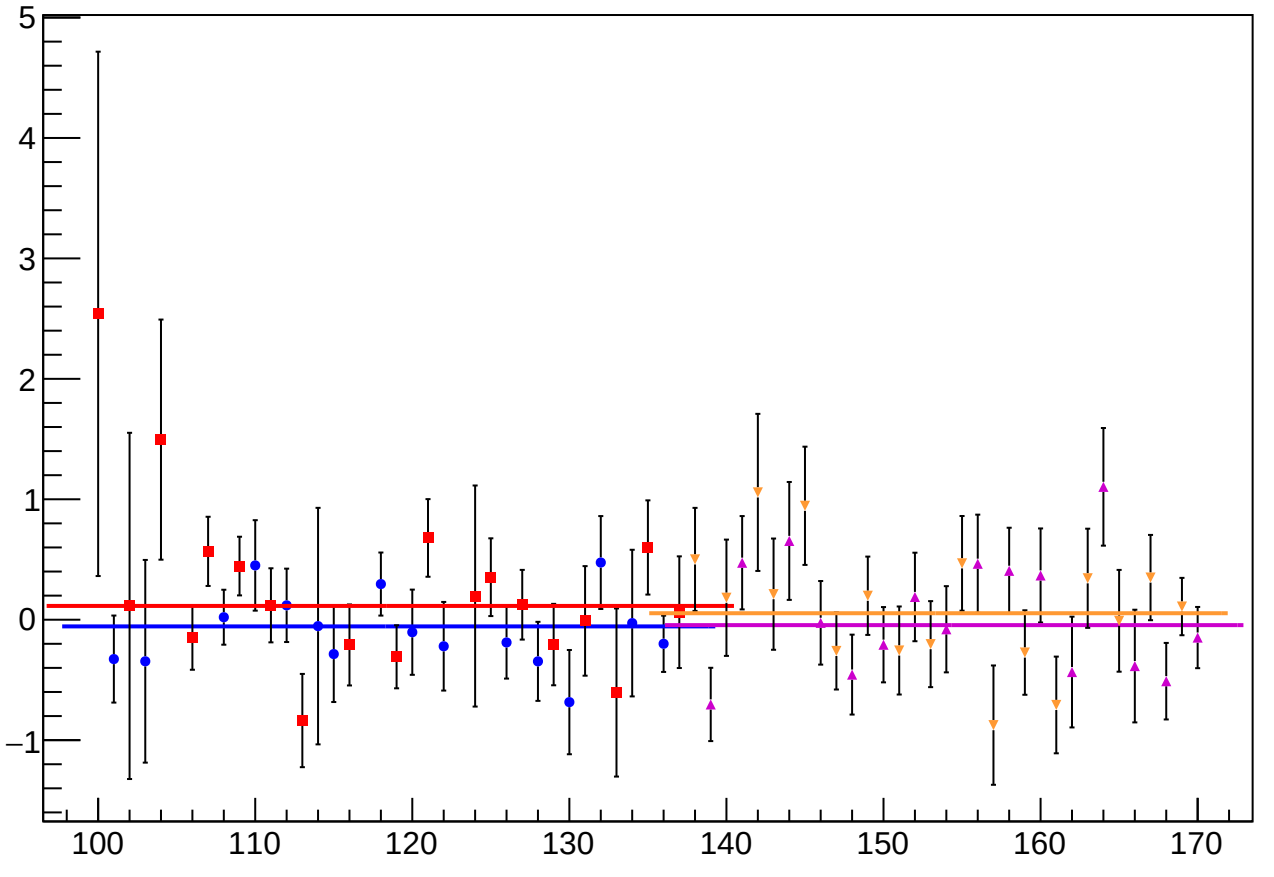
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10869807.8/31

Out: 0.007+/-0.000 χ^2/NDF:12121423.3/35

All: 0.007+/-0.000 χ^2/NDF: 23048389.3/67

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.092 χ^2/NDF:19.7/16

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.045+/-0.090 χ^2/NDF:24.1/15

Left: 0.003+/-0.064 χ^2/NDF: 44.4/32

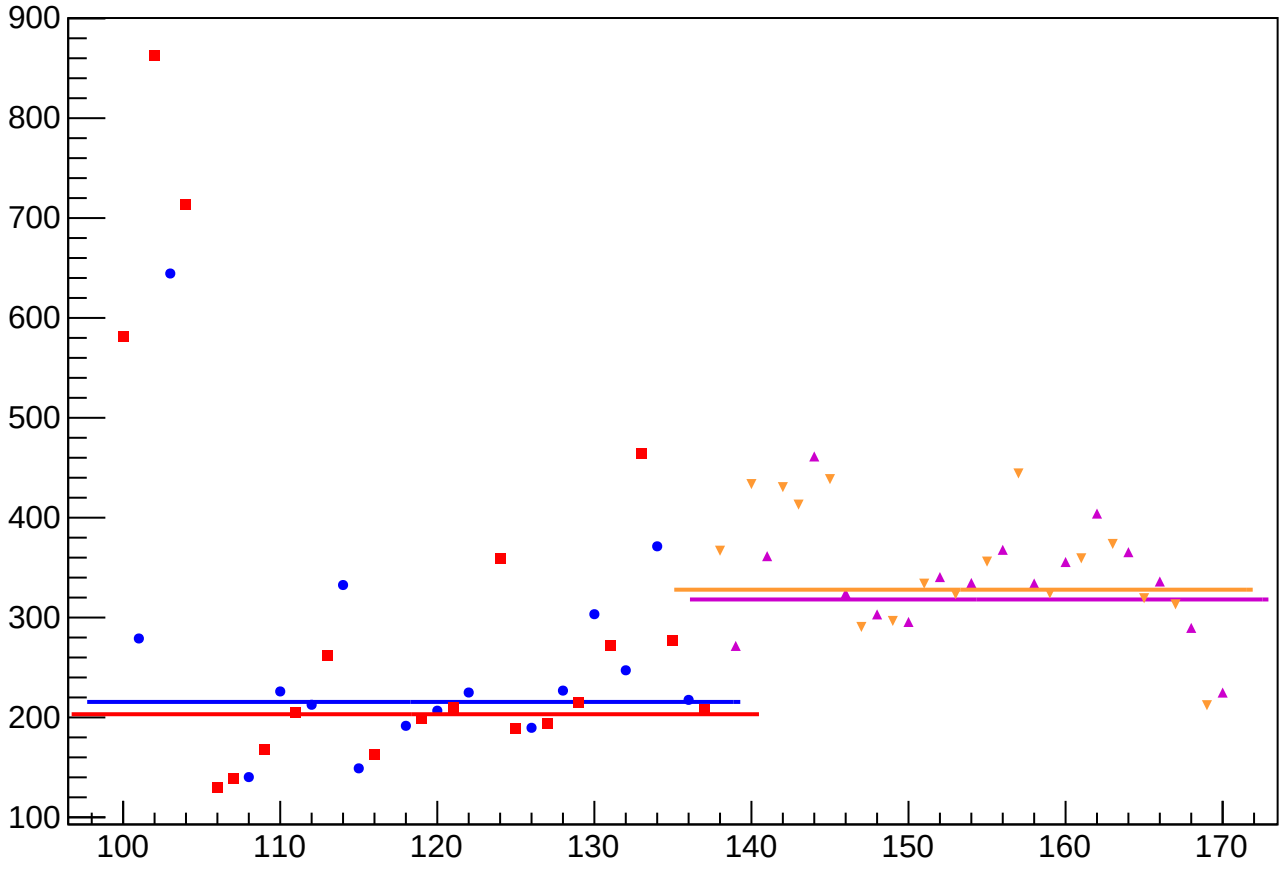
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.050+/-0.062 χ^2/NDF:34.8/31

Out: 0.087+/-0.062 χ^2/NDF:45.2/35

All: 0.019+/-0.044 χ^2/NDF: 82.4/67

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 327.904+/-0.065 χ^2/NDF:1012650.1/16

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 318.099+/-0.064 χ^2/NDF:698658.4/15

Left: 322.874+/-0.046 χ^2/NDF: 1722897.0/32

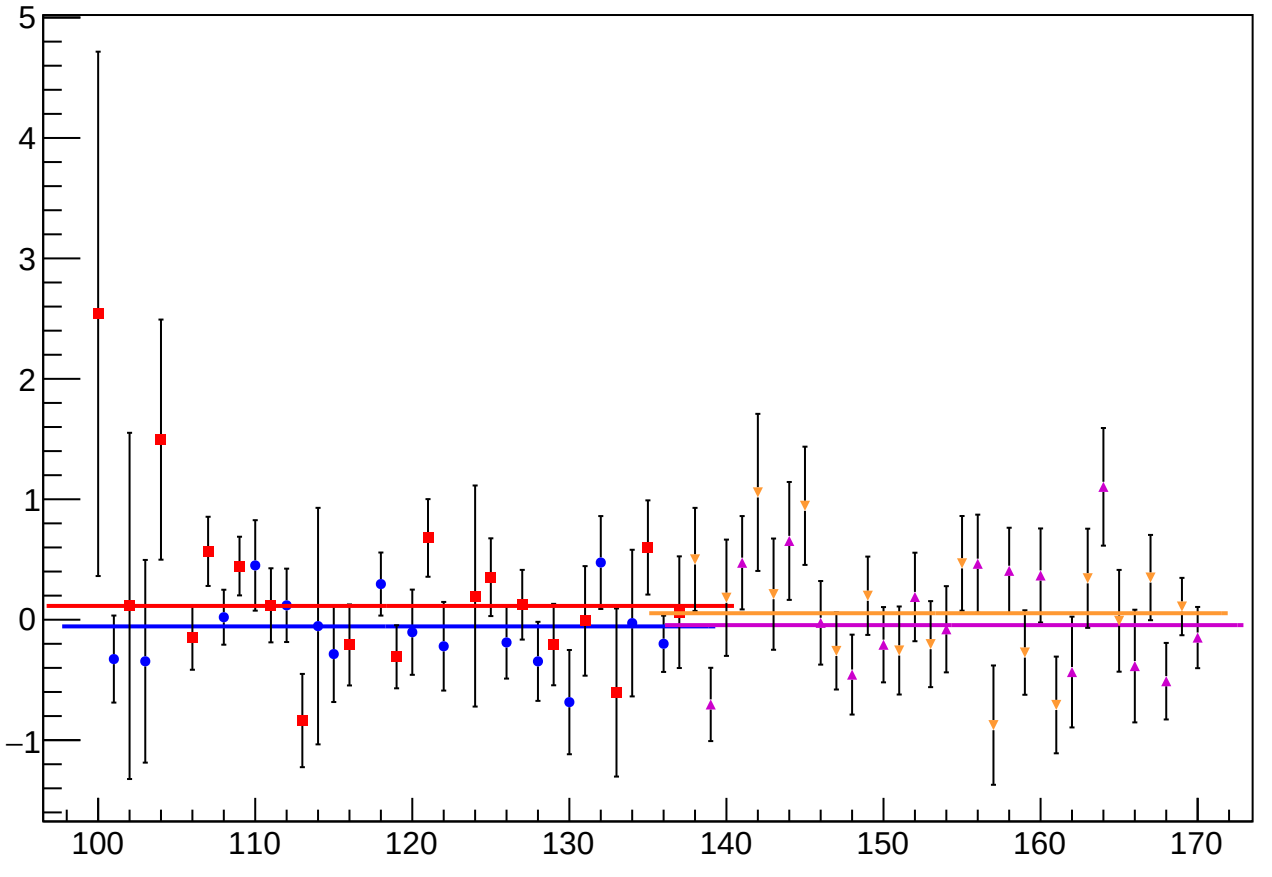
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.219+/-0.044 χ^2/NDF:3215136.3/31

Out: 259.147+/-0.044 χ^2/NDF:4862905.3/35

All: 261.677+/-0.031 χ^2/NDF: 8084762.5/67

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: 0.054+/-0.092 χ^2/NDF:19.7/16

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.045+/-0.090 χ^2/NDF:24.1/15

Left: 0.003+/-0.064 χ^2/NDF: 44.4/32

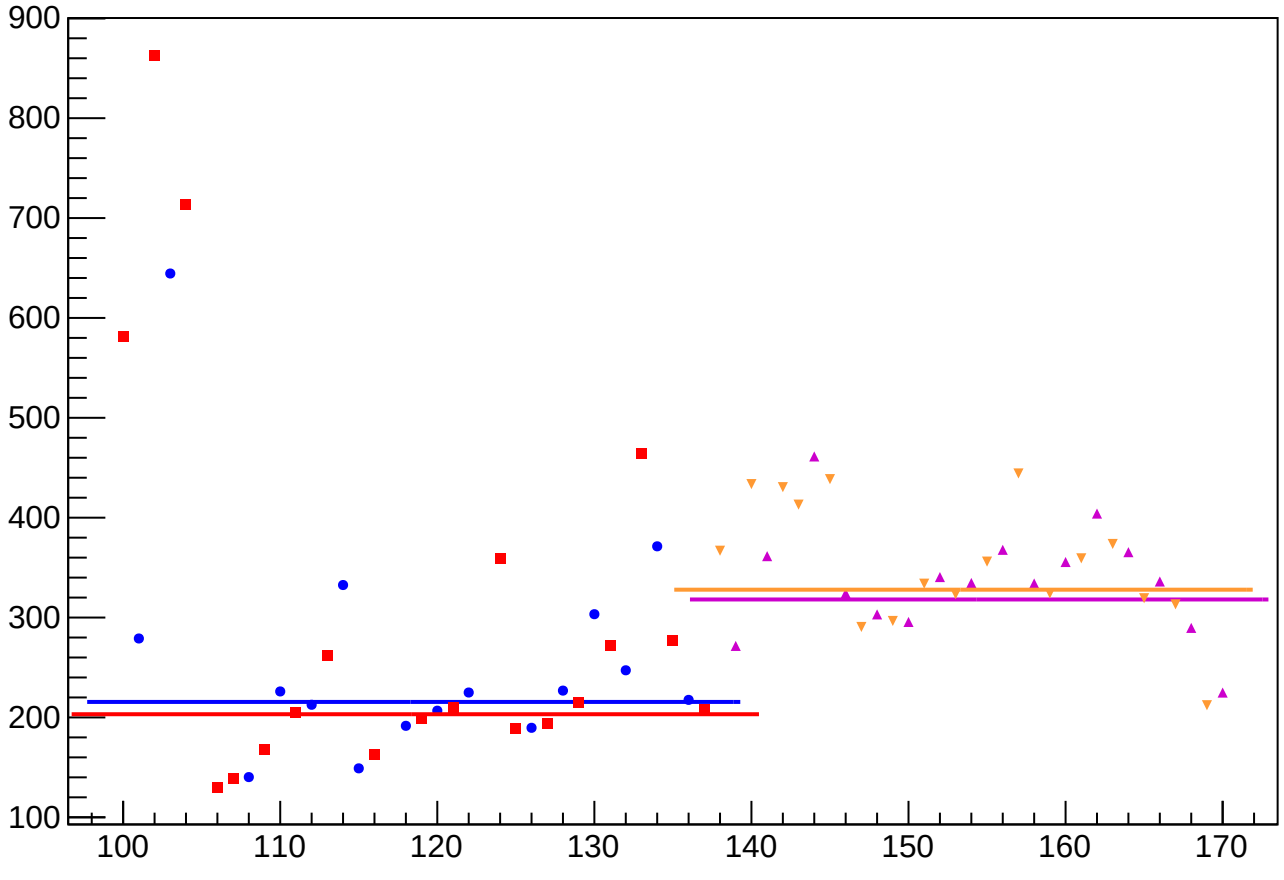
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.050+/-0.062 χ^2/NDF:34.8/31

Out: 0.087+/-0.062 χ^2/NDF:45.2/35

All: 0.019+/-0.044 χ^2/NDF: 82.4/67

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: 327.904+/-0.065 χ^2/NDF:1012650.1/16

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 318.099+/-0.064 χ^2/NDF:698658.4/15

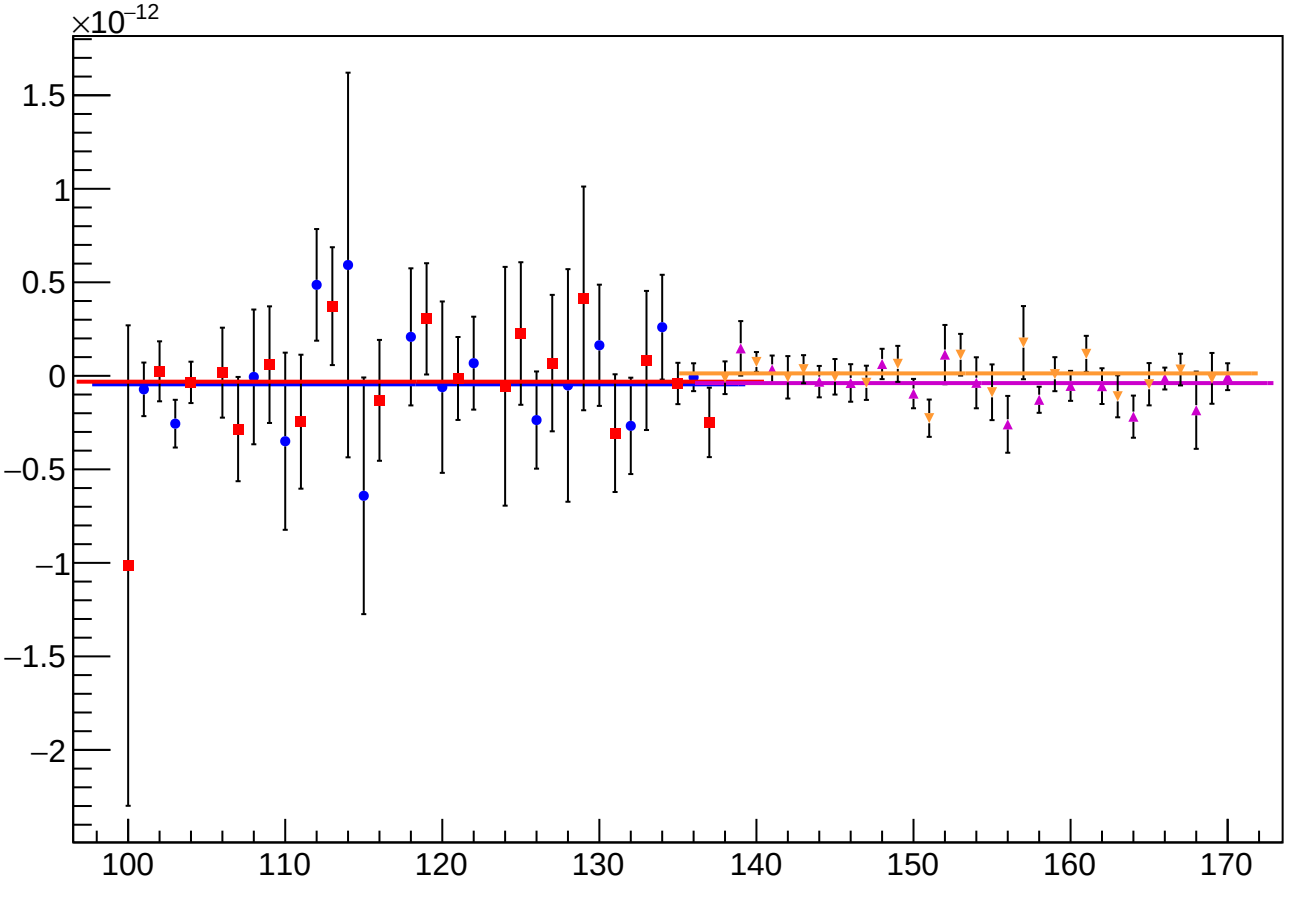
Left: 322.874+/-0.046 χ^2/NDF: 1722897.0/32

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.219+/-0.044 χ^2/NDF:3215136.3/31

Out: 259.147+/-0.044 χ^2/NDF:4862905.3/35

All: 261.677+/-0.031 χ^2/NDF: 8084762.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/15

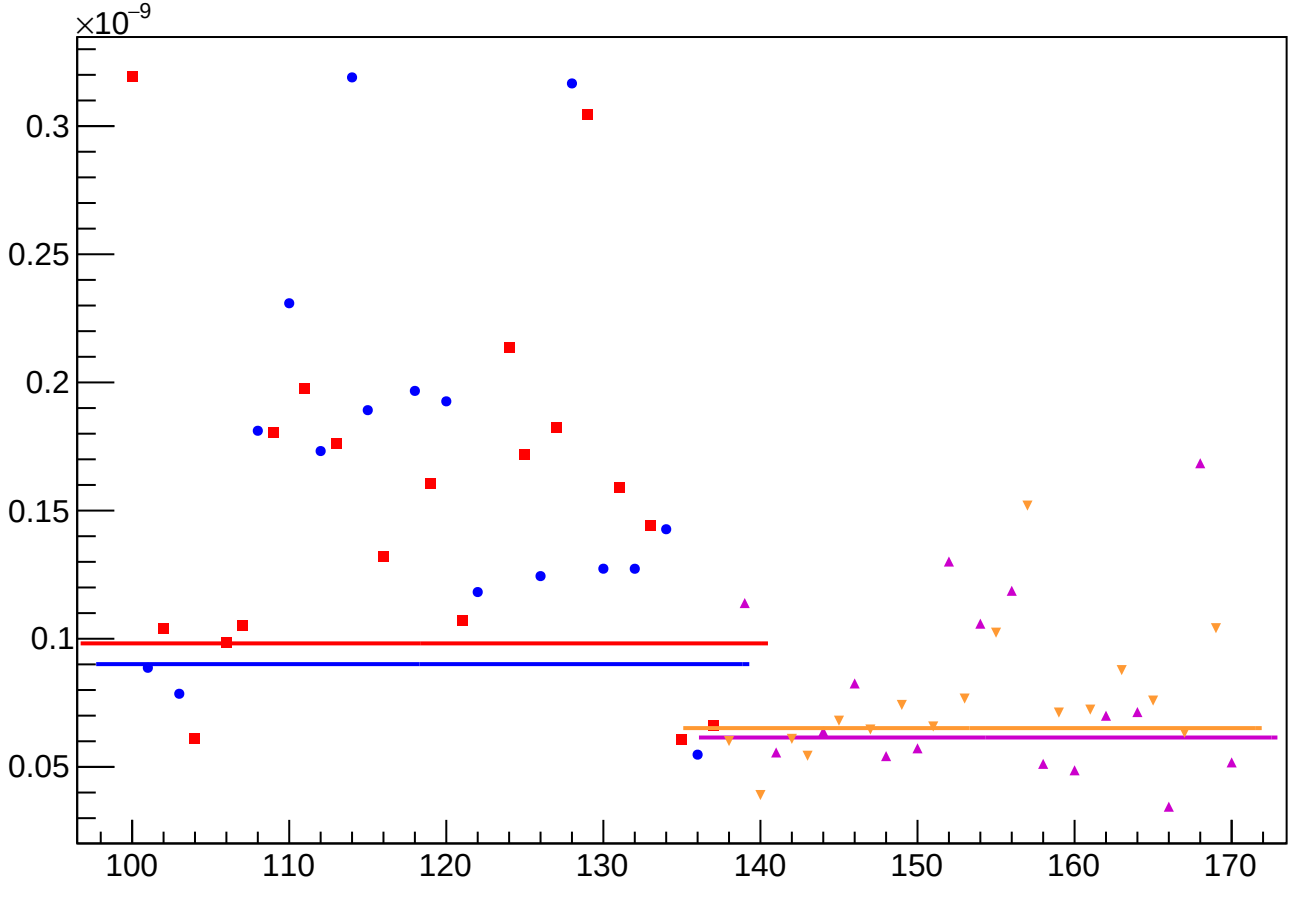
Left: -0.000+/-0.000 χ^2/NDF: 28.1/32

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:24.3/31

Out: 0.000+/-0.000 χ^2/NDF:21.6/35

All: -0.000+/-0.000 χ^2/NDF: 48.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1379841.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2380017.2/15

Left: 0.000+/-0.000 χ^2/NDF: 3786037.1/32

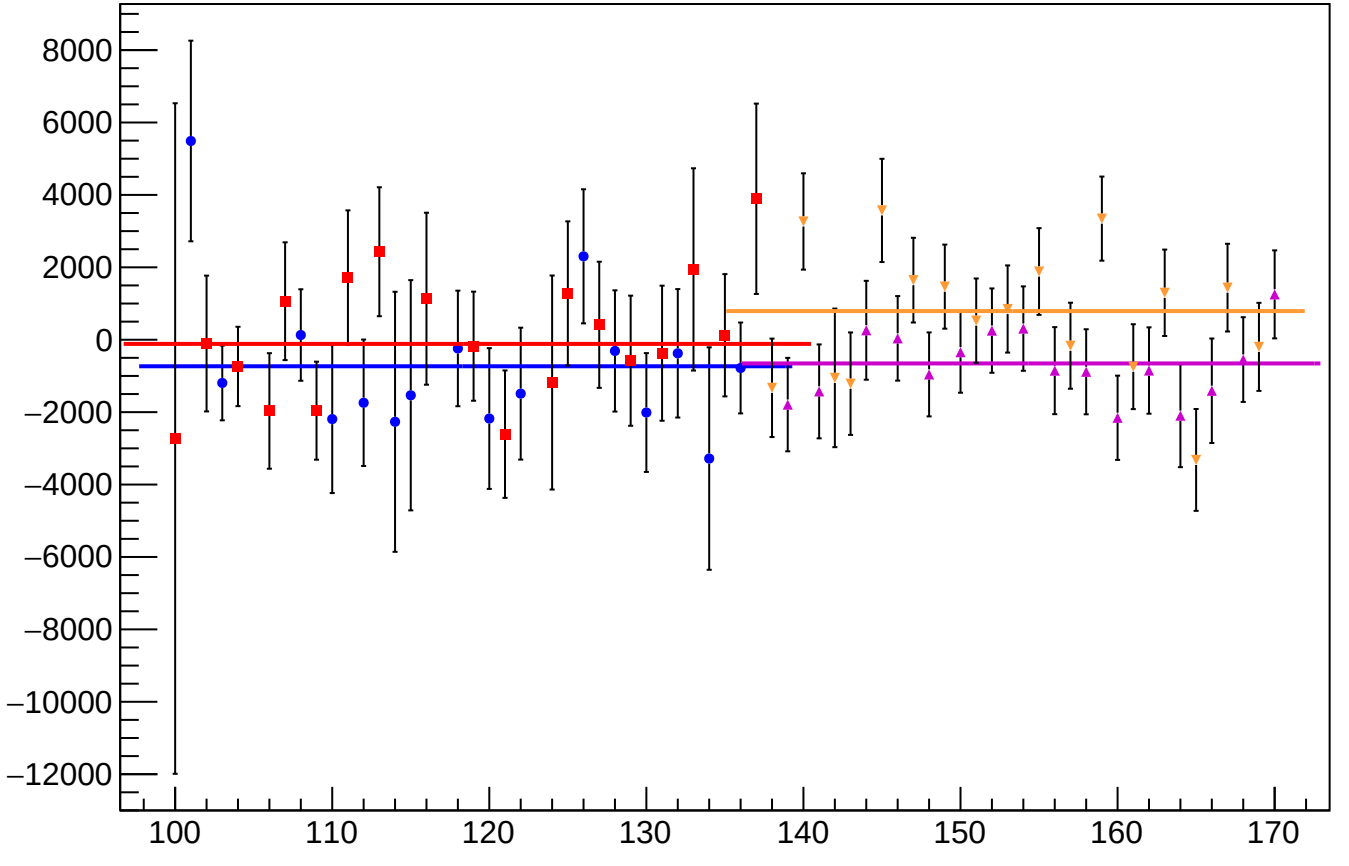
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4734015.0/31

Out: 0.000+/-0.000 χ^2/NDF:3749803.3/35

All: 0.000+/-0.000 χ^2/NDF: 8524848.3/67

reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 791.025+/-305.547 χ^2/NDF:31.3/16

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -654.644+/-305.424 χ^2/NDF:8.9/15

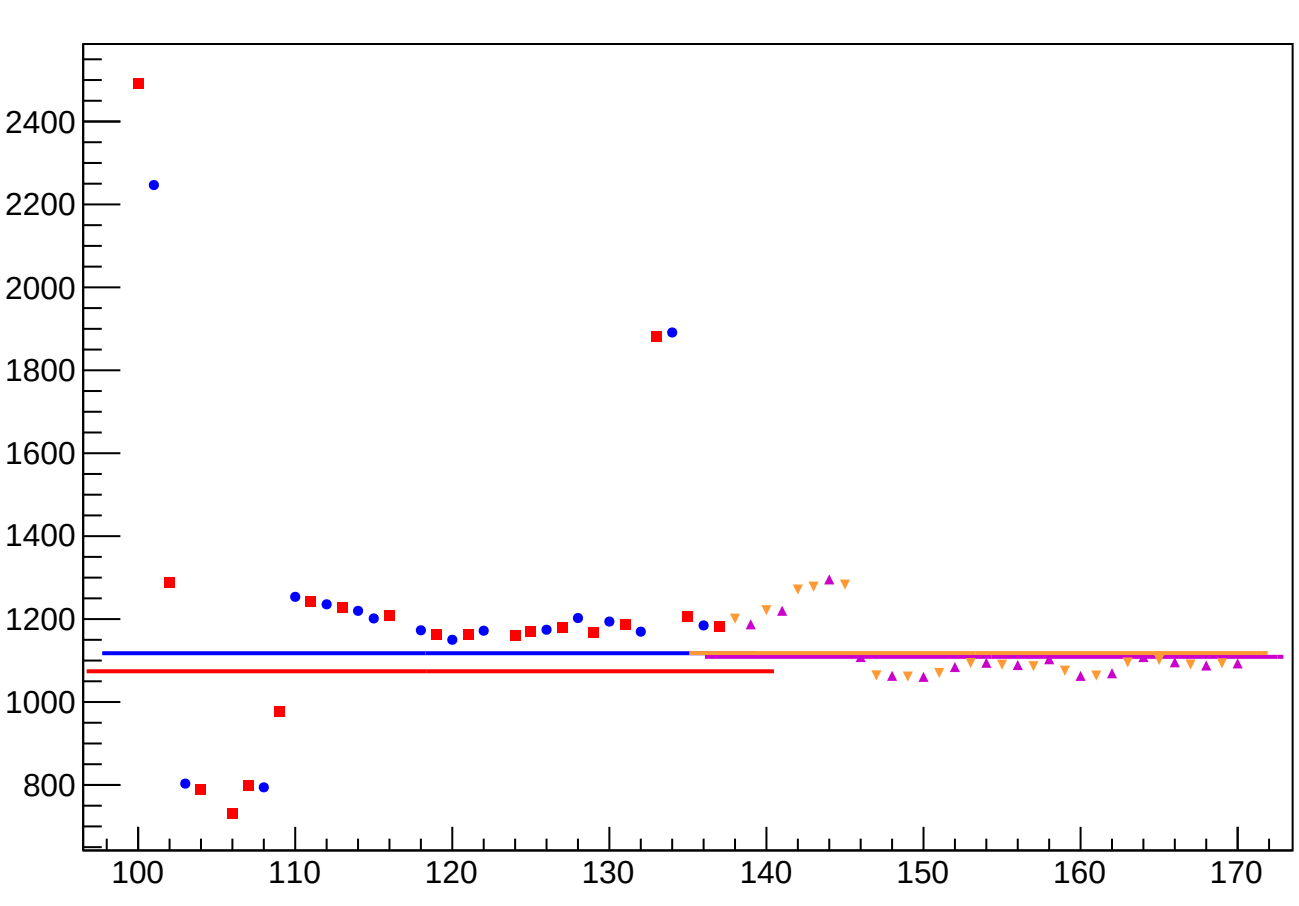
Left: 67.900+/-216.011 χ^2/NDF: 51.4/32

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -681.047+/-248.493 χ^2/NDF:20.6/31

Out: 468.951+/-245.302 χ^2/NDF:47.5/35

All: -98.618+/-174.572 χ^2/NDF: 79.0/67



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1118.050+/-0.216 χ^2/NDF:110286.9/16

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

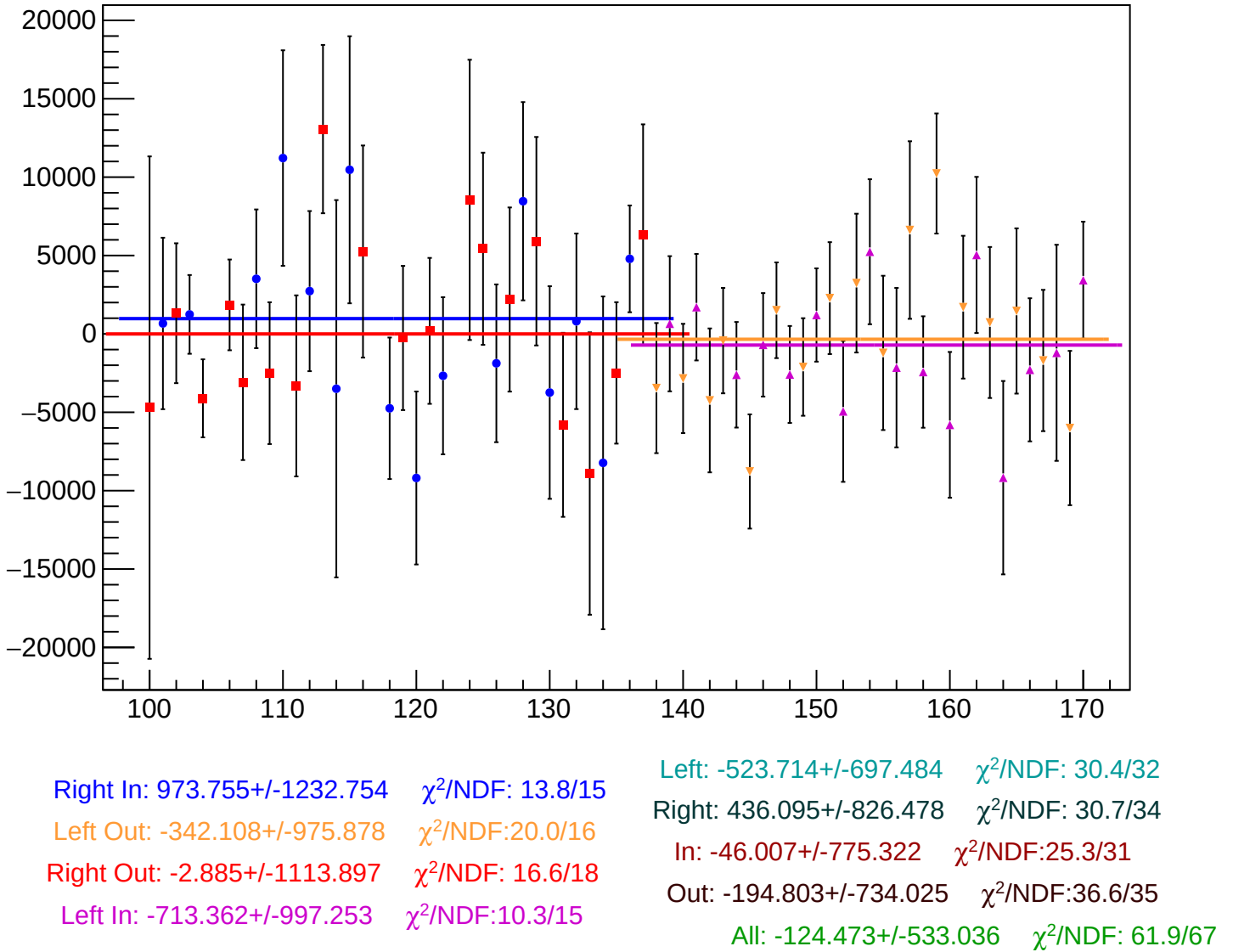
Left: 1113.507+/-0.153 χ^2/NDF: 185702.5/32

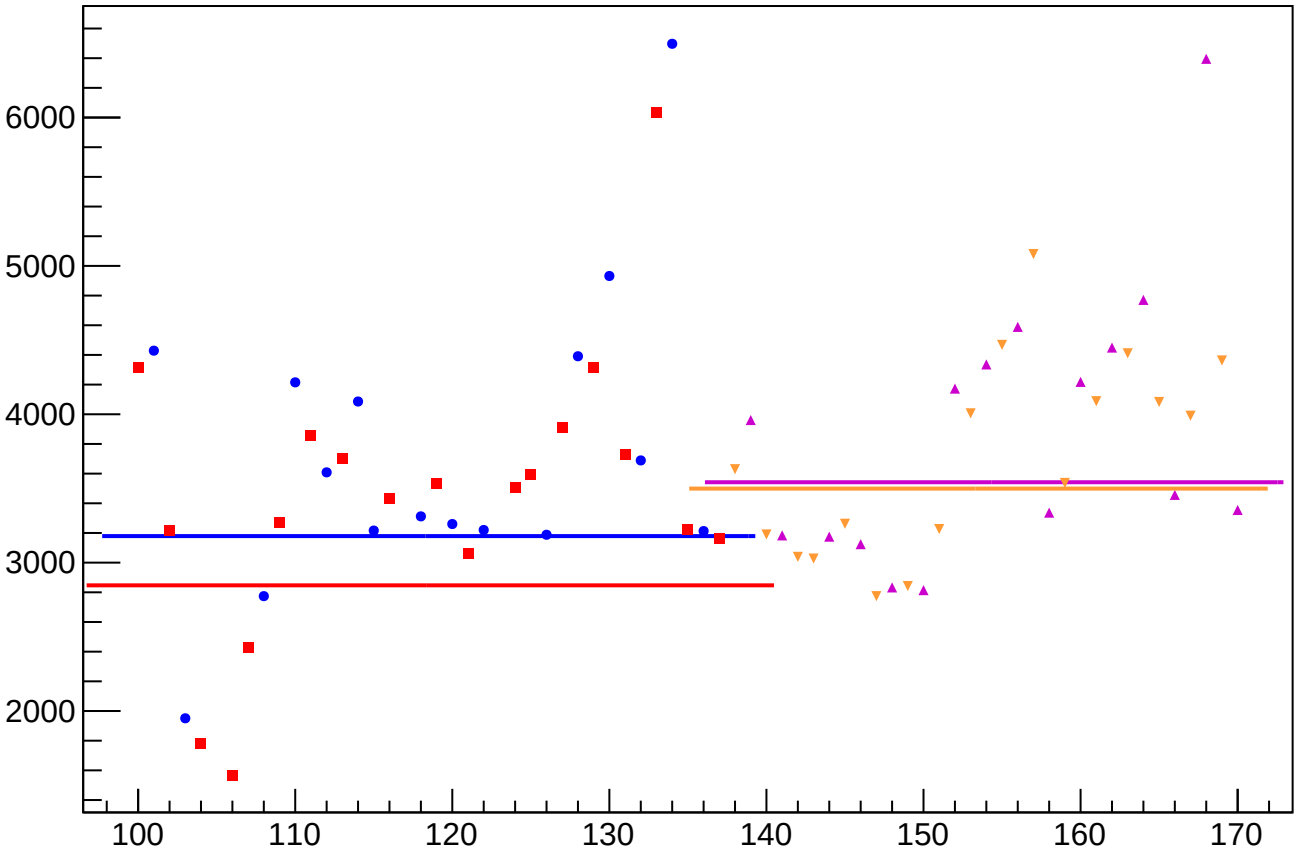
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1111.914+/-0.176 χ^2/NDF:894917.4/31

Out: 1102.277+/-0.173 χ^2/NDF:774630.1/35

All: 1107.019+/-0.123 χ^2/NDF: 1671075.5/67


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -342.108+/-975.878 χ²/NDF:20.0/16
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -713.362+/-997.253 χ²/NDF:10.3/15
Left: -523.714+/-697.484 χ²/NDF: 30.4/32
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: -46.007+/-775.322 χ²/NDF:25.3/31
Out: -194.803+/-734.025 χ²/NDF:36.6/35
All: -124.473+/-533.036 χ²/NDF: 61.9/67



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3499.071+/-0.690 χ^2/NDF:773795.1/16

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3541.904+/-0.705 χ^2/NDF:1047906.4/15

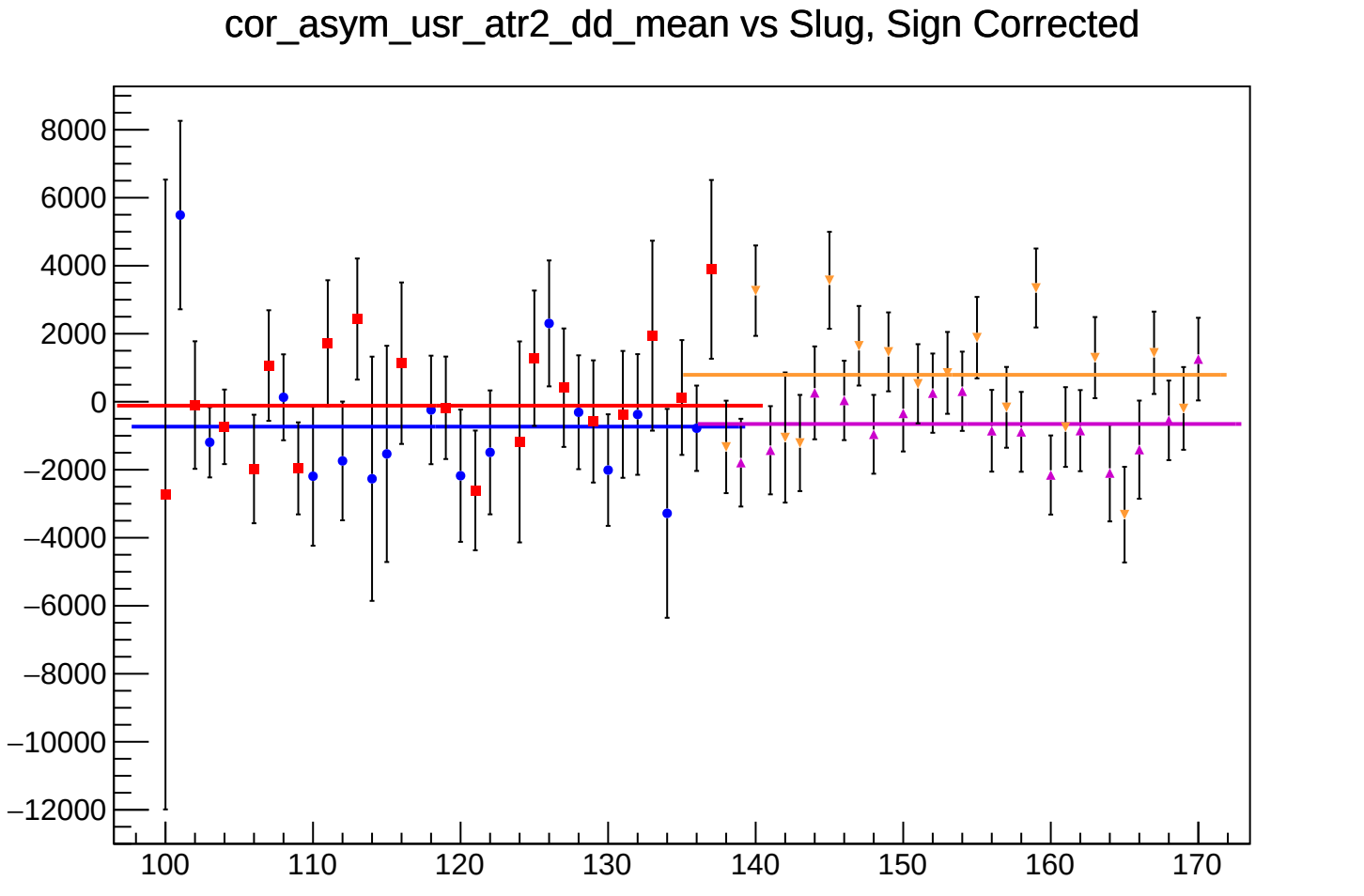
Left: 3520.023+/-0.493 χ^2/NDF: 1823586.2/32

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3398.302+/-0.548 χ^2/NDF:2244423.0/31

Out: 3215.921+/-0.519 χ^2/NDF:2672694.6/35

All: 3302.125+/-0.377 χ^2/NDF: 4975477.7/67



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 791.116+/-305.547 χ^2/NDF:31.3/16

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -654.611+/-305.424 χ^2/NDF:8.9/15

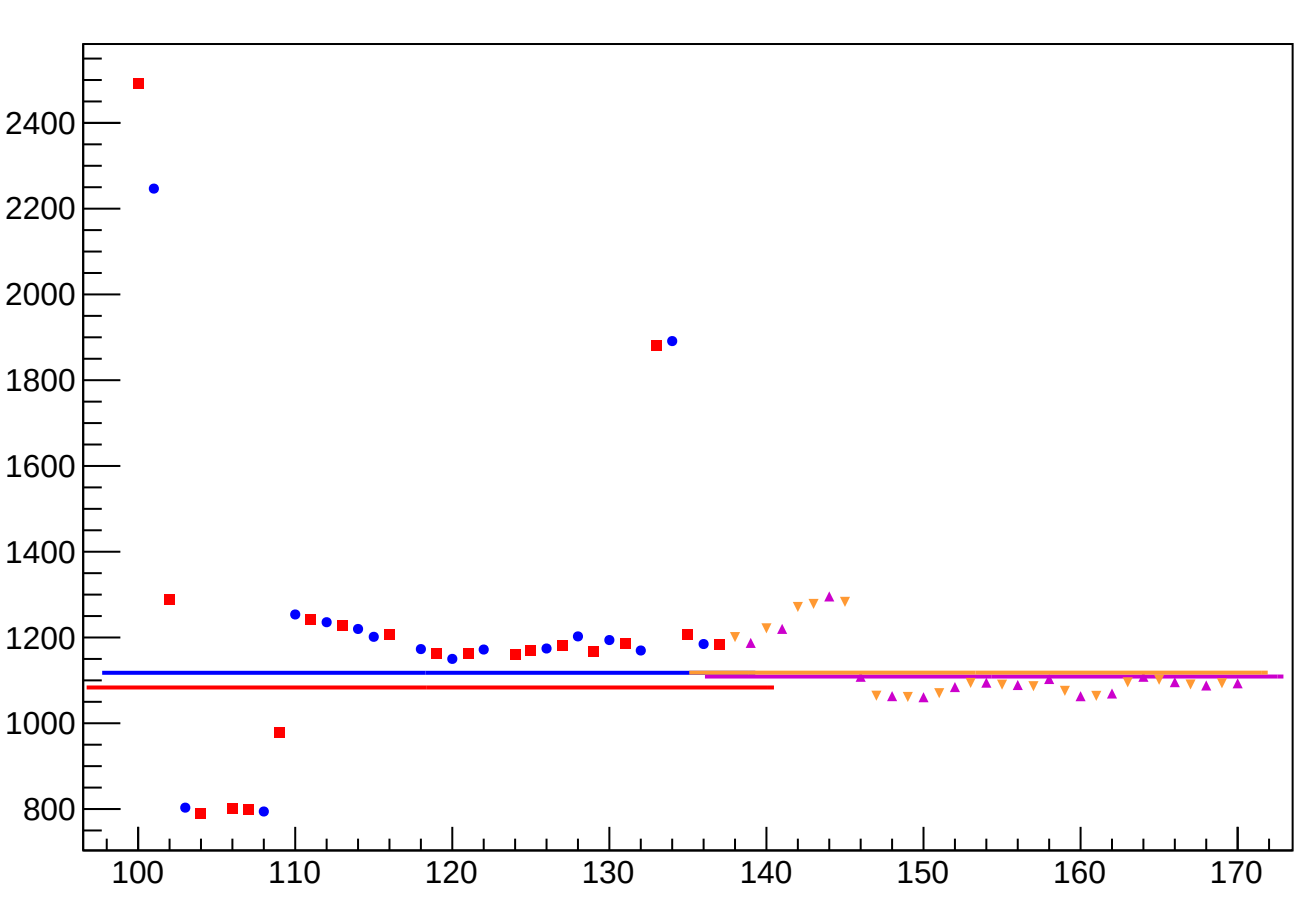
Left: 67.962+/-216.011 χ^2/NDF: 51.4/32

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -681.003+/-248.493 χ^2/NDF:20.6/31

Out: 468.920+/-245.303 χ^2/NDF:47.5/35

All: -98.614+/-174.572 χ^2/NDF: 79.0/67



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1118.050+/-0.216 χ^2/NDF:110286.9/16

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

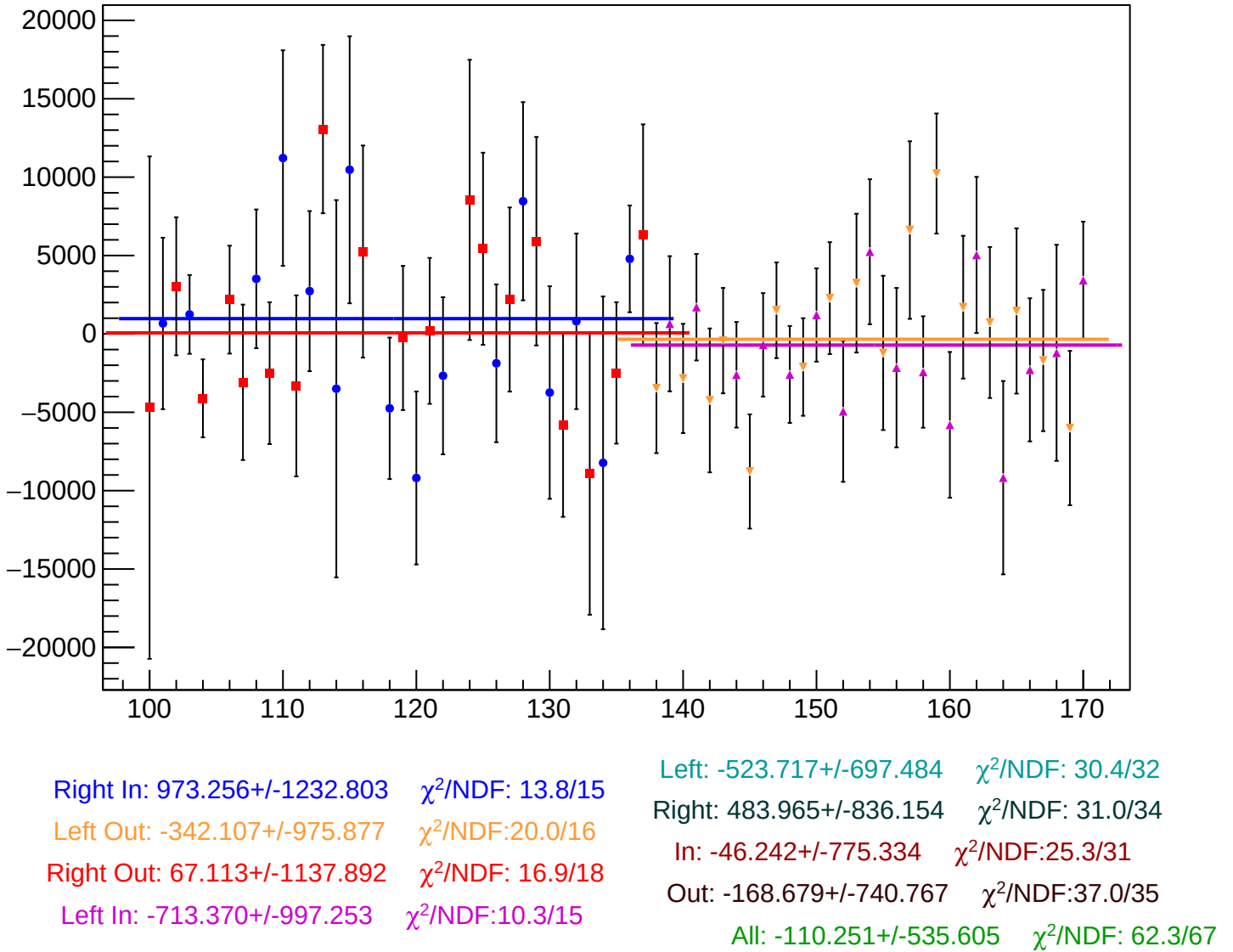
Left: 1113.507+/-0.153 χ^2/NDF: 185702.5/32

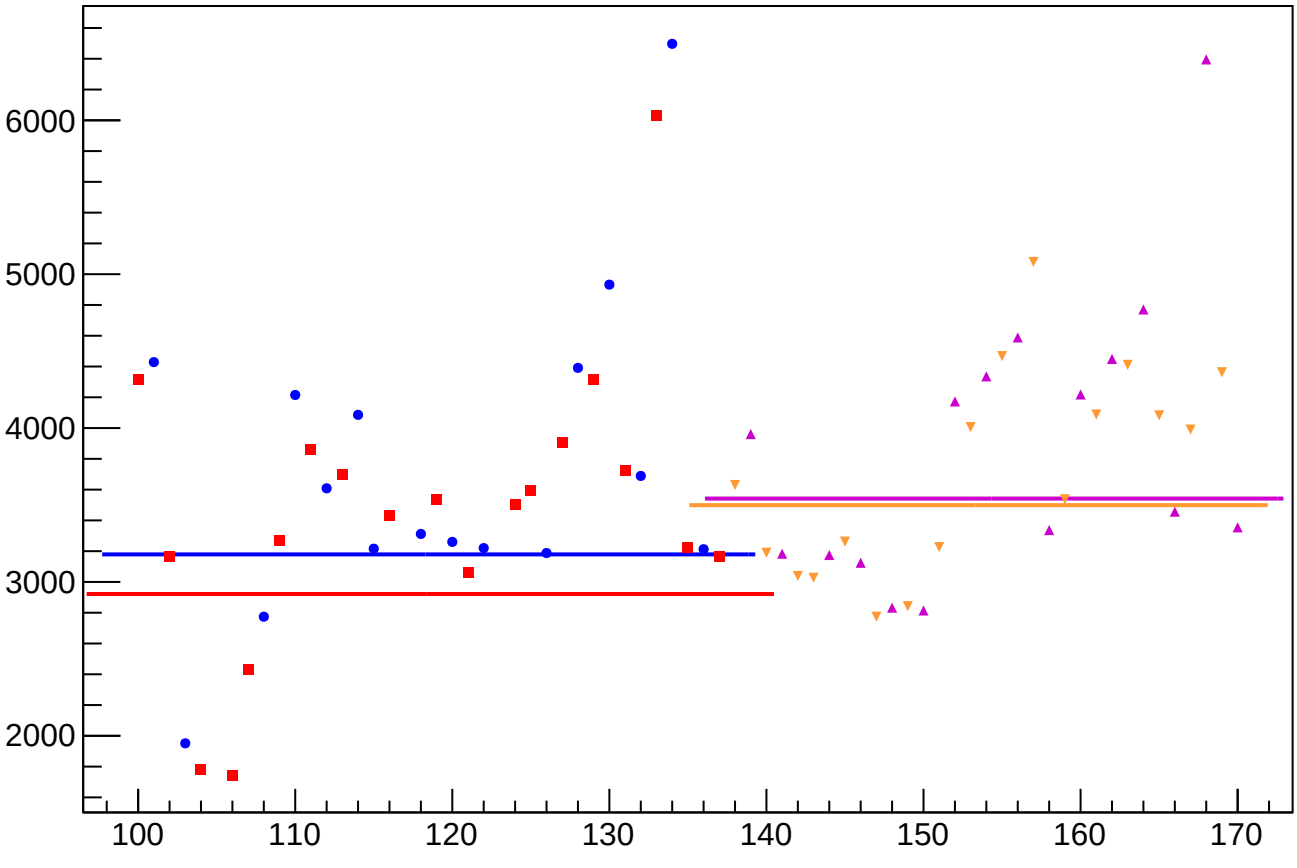
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1111.914+/-0.176 χ^2/NDF:894914.1/31

Out: 1105.710+/-0.173 χ^2/NDF:714457.7/35

All: 1108.770+/-0.123 χ^2/NDF: 1610003.6/67


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -342.107+/-975.877 χ²/NDF:20.0/16
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -713.370+/-997.253 χ²/NDF:10.3/15
Left: -523.717+/-697.484 χ²/NDF: 30.4/32
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -46.242+/-775.334 χ²/NDF:25.3/31
Out: -168.679+/-740.767 χ²/NDF:37.0/35
All: -110.251+/-535.605 χ²/NDF: 62.3/67



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3499.067+/-0.690 χ^2/NDF:773798.8/16

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3541.901+/-0.705 χ^2/NDF:1047910.3/15

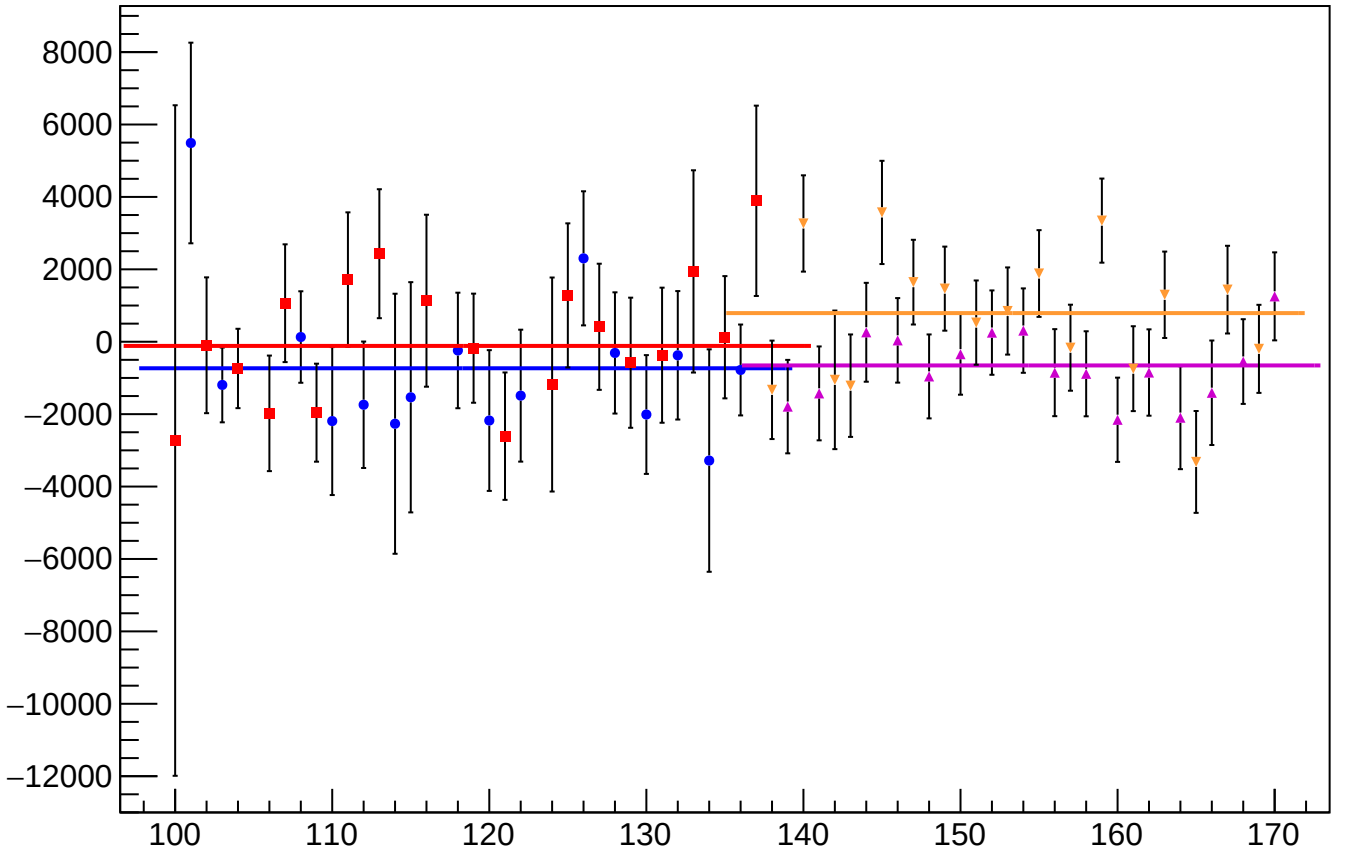
Left: 3520.020+/-0.493 χ^2/NDF: 1823594.0/32

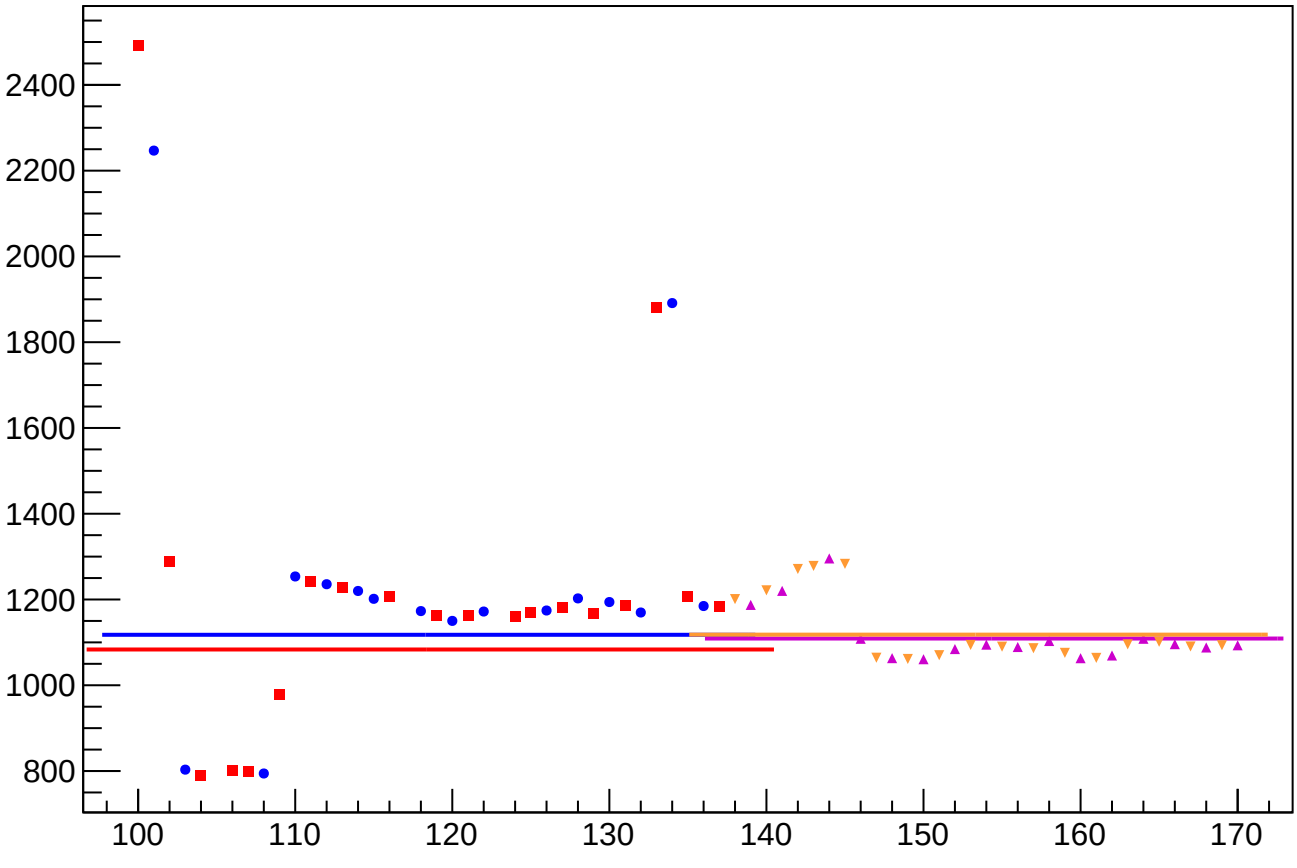
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3398.381+/-0.548 χ^2/NDF:2243873.6/31

Out: 3254.354+/-0.524 χ^2/NDF:2383441.0/35

All: 3323.085+/-0.379 χ^2/NDF: 4663394.6/67


eigen_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: 791.116+/-305.547 χ²/NDF:31.3/16
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -654.611+/-305.424 χ²/NDF:8.9/15
Left: 67.962+/-216.011 χ²/NDF: 51.4/32
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -681.003+/-248.493 χ²/NDF:20.6/31
Out: 468.920+/-245.303 χ²/NDF:47.5/35
All: -98.614+/-174.572 χ²/NDF: 79.0/67



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1118.050+/-0.216 χ^2/NDF:110286.9/16

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

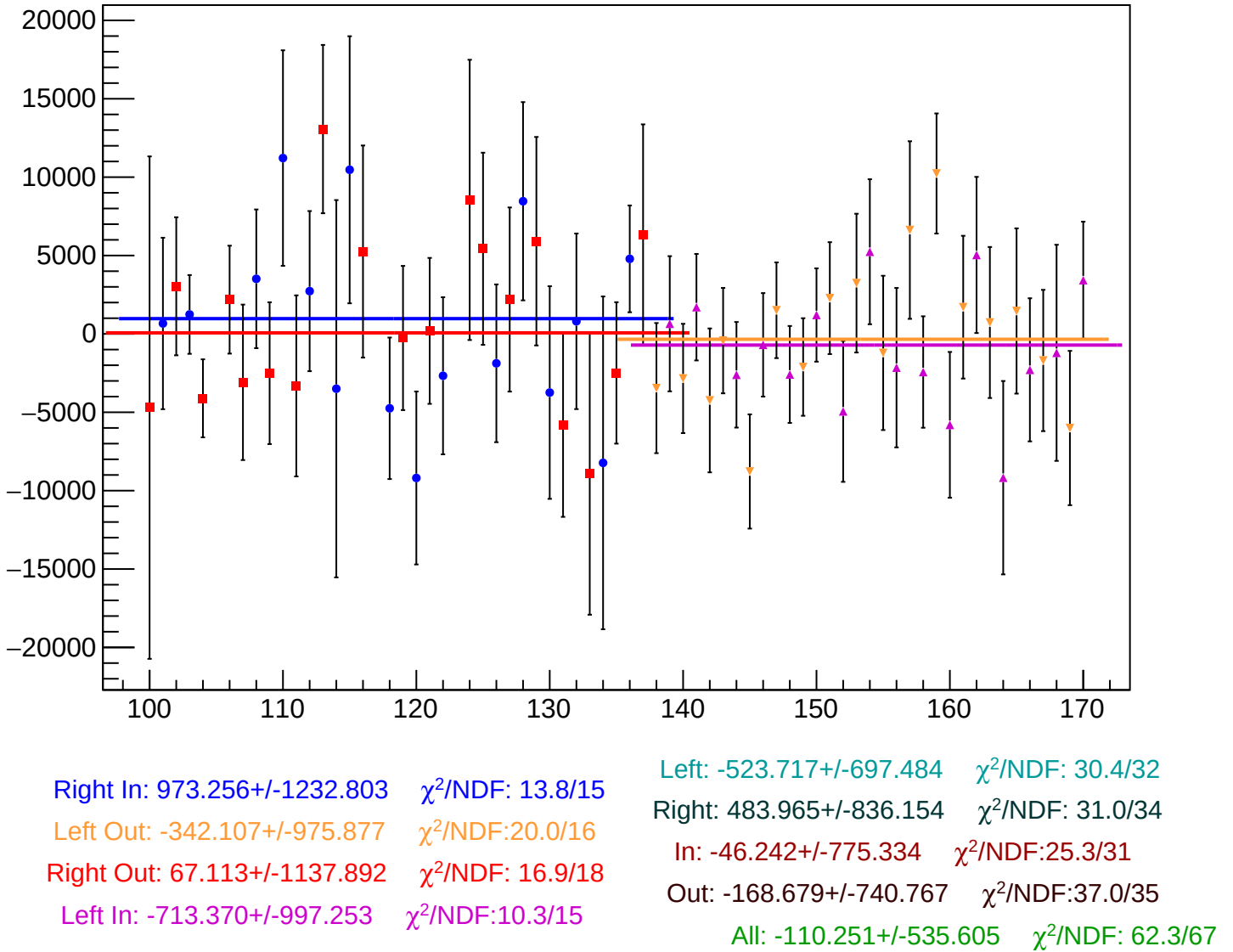
Left: 1113.507+/-0.153 χ^2/NDF: 185702.5/32

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1111.914+/-0.176 χ^2/NDF:894914.1/31

Out: 1105.710+/-0.173 χ^2/NDF:714457.7/35

All: 1108.770+/-0.123 χ^2/NDF: 1610003.6/67


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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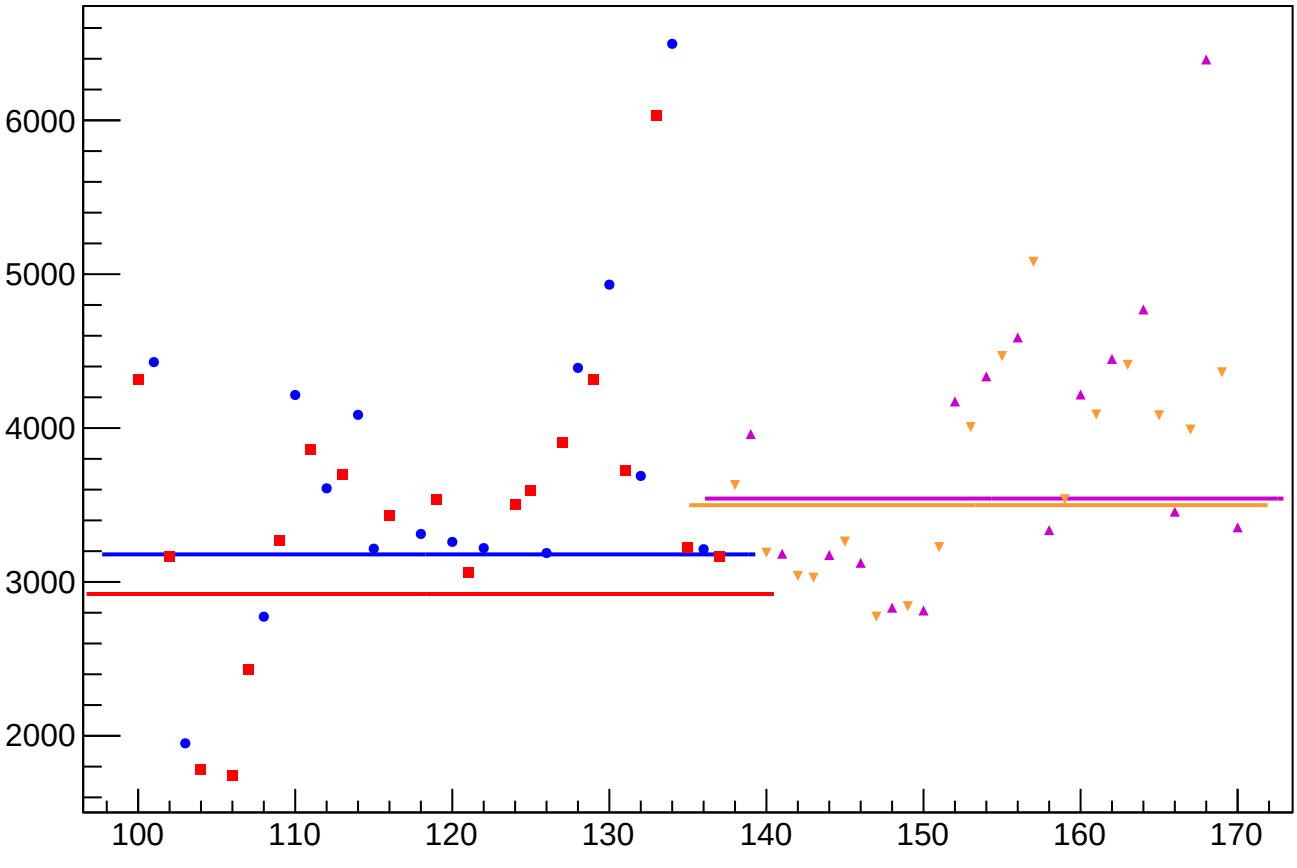
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -342.107+/-975.877 χ²/NDF:20.0/16
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -713.370+/-997.253 χ²/NDF:10.3/15
Left: -523.717+/-697.484 χ²/NDF: 30.4/32
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -46.242+/-775.334 χ²/NDF:25.3/31
Out: -168.679+/-740.767 χ²/NDF:37.0/35
All: -110.251+/-535.605 χ²/NDF: 62.3/67



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3499.067+/-0.690 χ^2/NDF:773798.8/16

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3541.901+/-0.705 χ^2/NDF:1047910.3/15

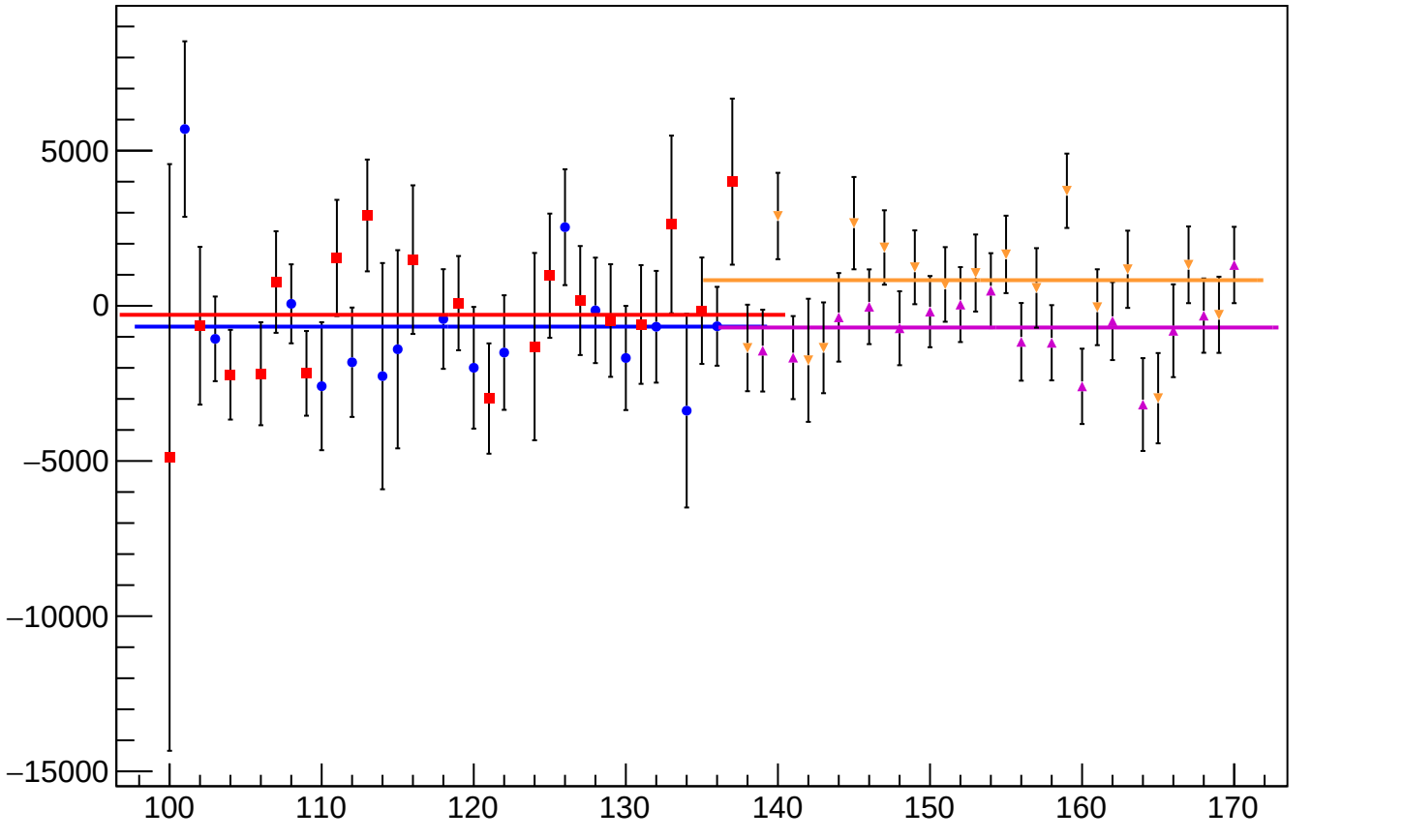
Left: 3520.020+/-0.493 χ^2/NDF: 1823594.0/32

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3398.381+/-0.548 χ^2/NDF:2243873.6/31

Out: 3254.354+/-0.524 χ^2/NDF:2383441.0/35

All: 3323.085+/-0.379 χ^2/NDF: 4663394.6/67



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 825.750+/-316.191 χ^2/NDF:25.7/16

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -698.914+/-315.647 χ^2/NDF:11.1/15

Left: 62.106+/-223.388 χ^2/NDF: 48.4/32

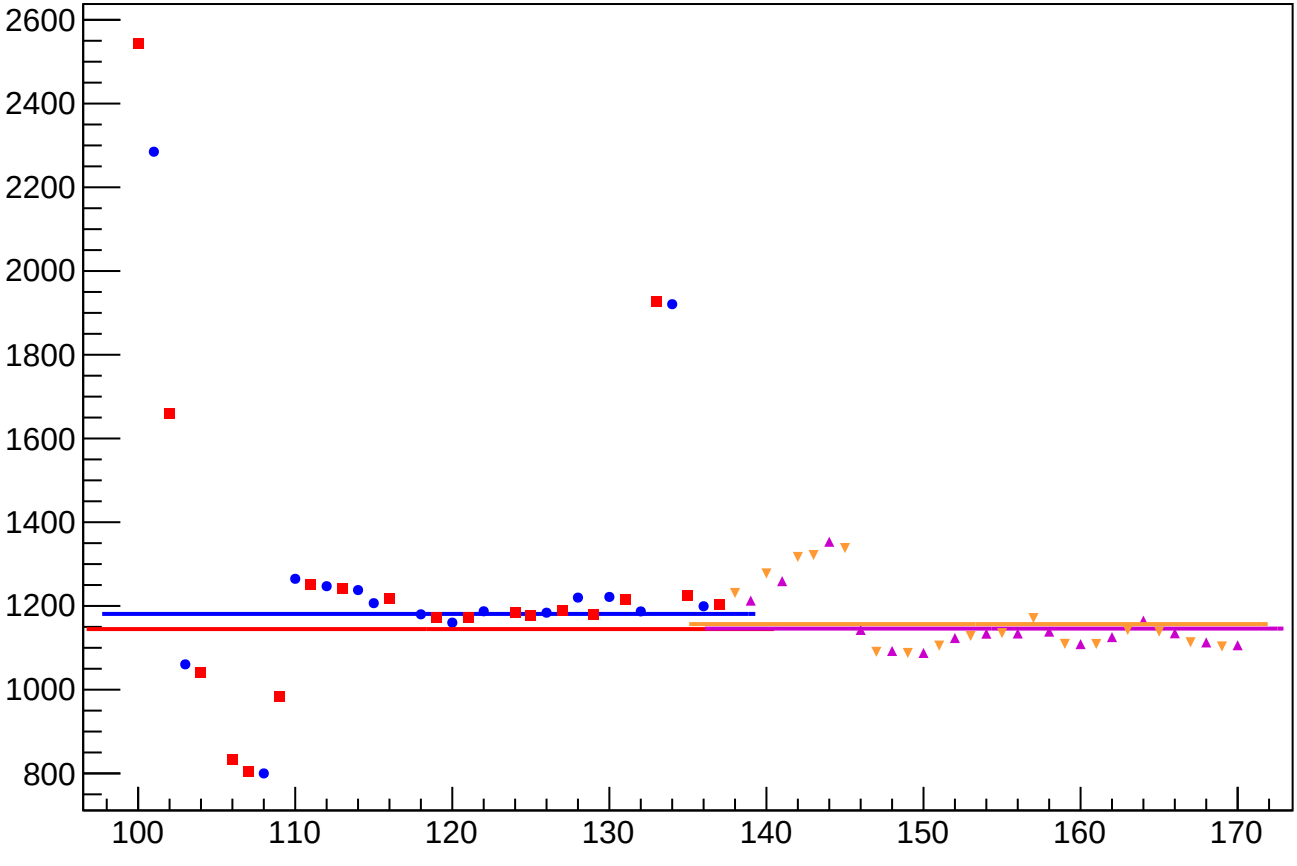
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -689.608+/-258.129 χ^2/NDF:22.9/31

Out: 439.260+/-255.646 χ^2/NDF:47.0/35

All: -119.720+/-181.641 χ^2/NDF: 79.5/67

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1156.689+/-0.224 χ^2/NDF:120479.7/16

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1145.912+/-0.223 χ^2/NDF:78529.6/15

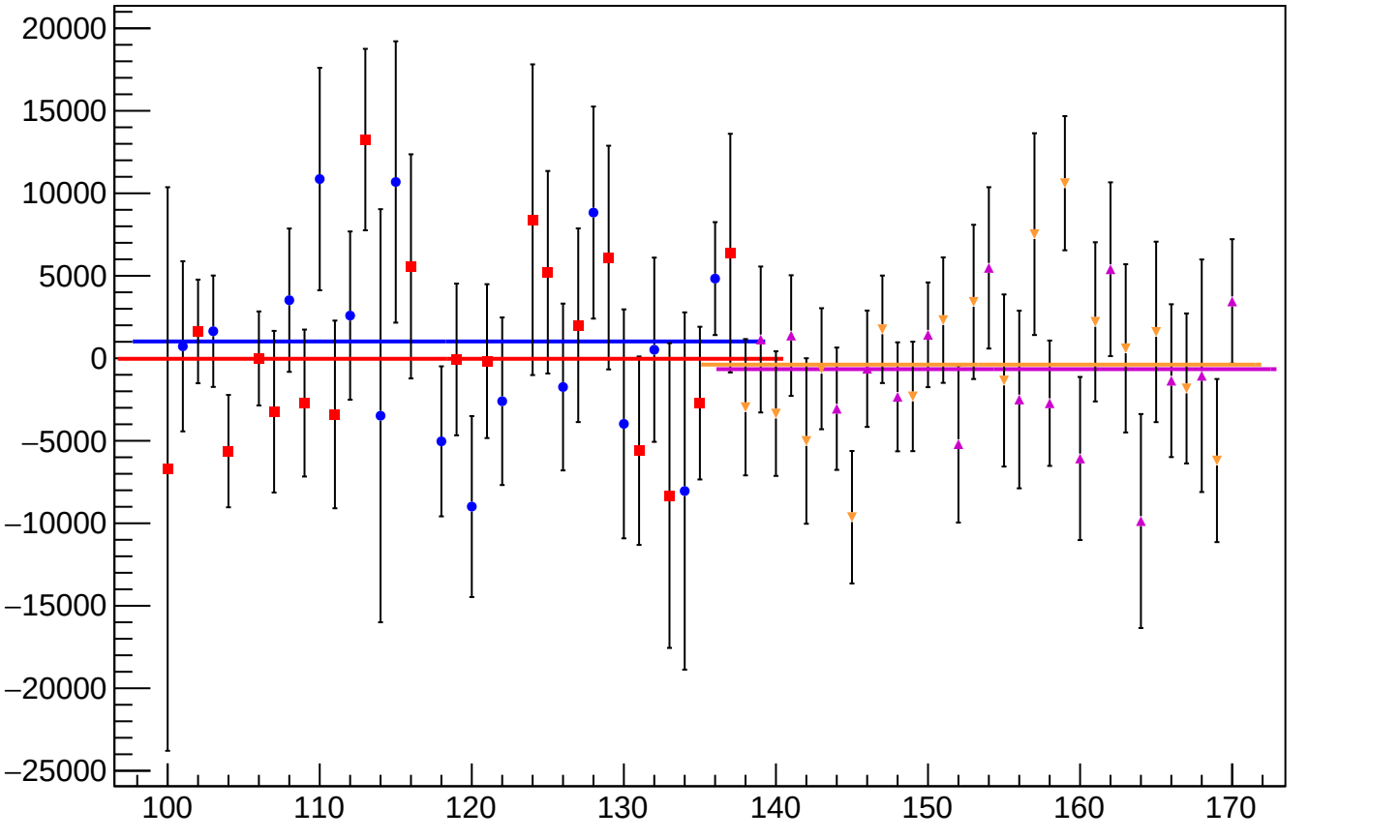
Left: 1151.291+/-0.158 χ^2/NDF: 200173.1/32

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1157.520+/-0.183 χ^2/NDF:708573.9/31

Out: 1152.561+/-0.181 χ^2/NDF:619194.0/35

All: 1155.016+/-0.128 χ^2/NDF: 1328140.5/67



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -383.763+/-1035.232 χ^2/NDF:20.1/16

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -658.599+/-1055.434 χ^2/NDF:10.2/15

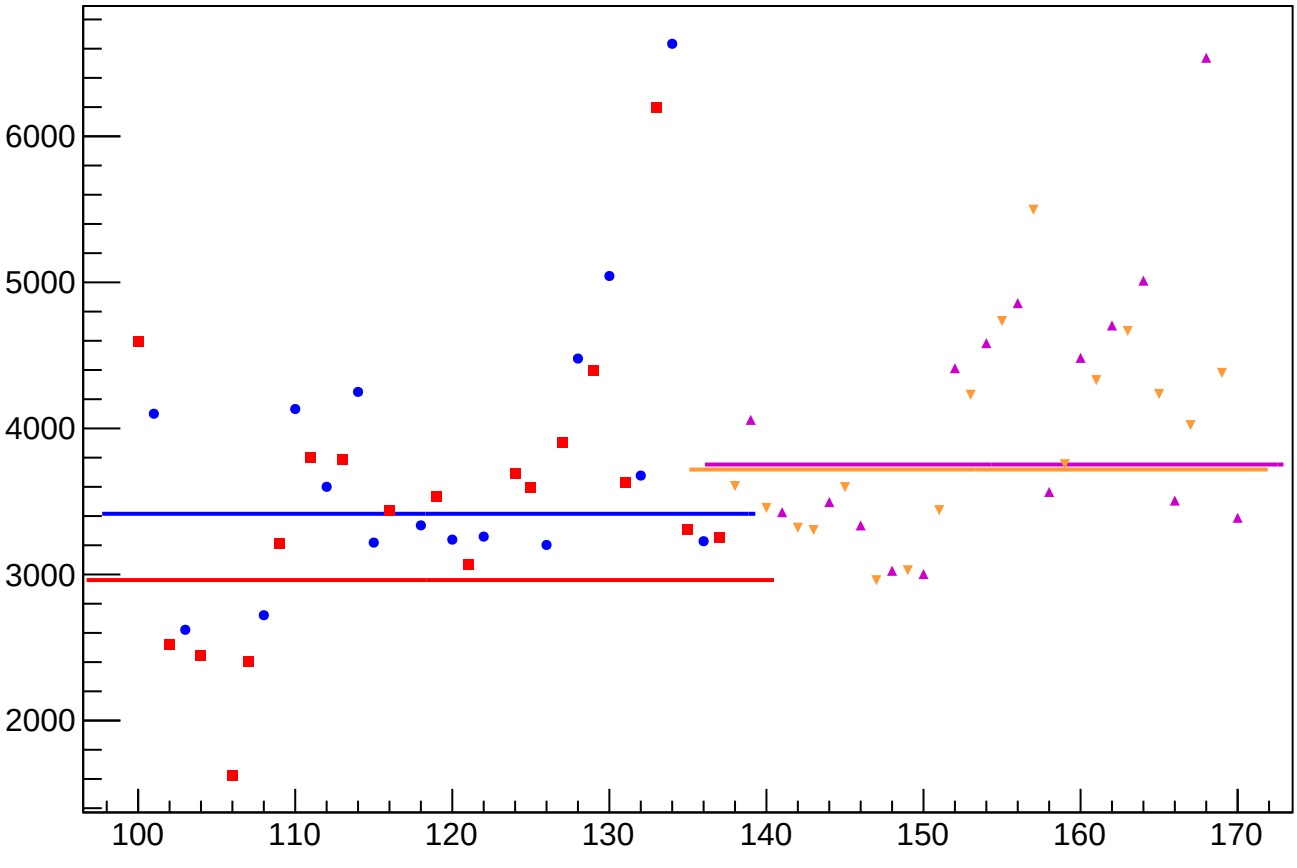
Left: -518.526+/-739.058 χ^2/NDF: 30.3/32

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 7.183+/-819.996 χ^2/NDF:25.1/31

Out: -222.513+/-763.557 χ^2/NDF:36.3/35

All: -115.841+/-558.805 χ^2/NDF: 61.4/67



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3718.387+/-0.732 χ^2/NDF:690032.9/16

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3753.037+/-0.746 χ^2/NDF:978037.9/15

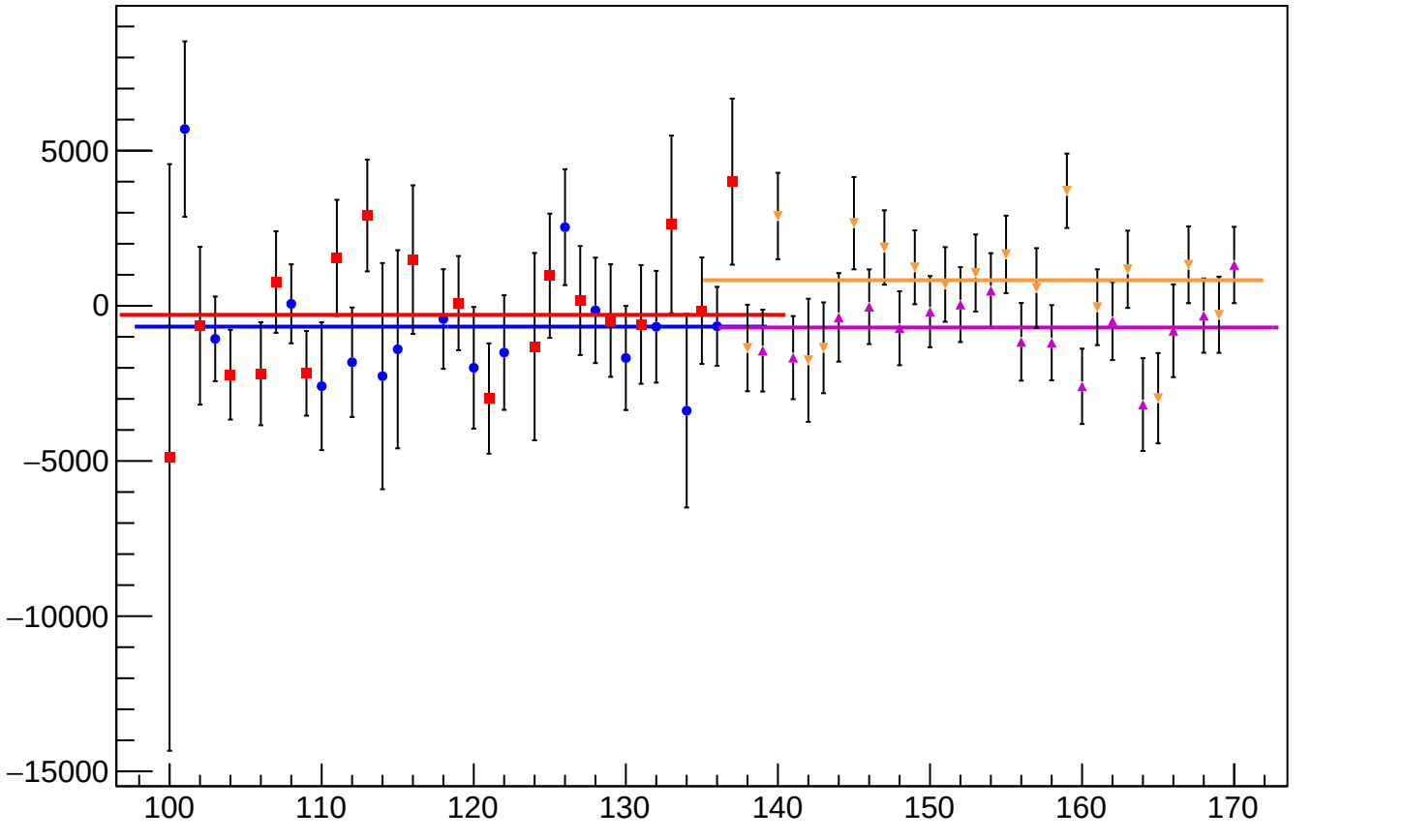
Left: 3735.377+/-0.523 χ^2/NDF: 1669169.4/32

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3619.281+/-0.580 χ^2/NDF:1651418.6/31

Out: 3373.391+/-0.540 χ^2/NDF:2346403.4/35

All: 3487.583+/-0.395 χ^2/NDF: 4094144.3/67



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 825.758+/-316.191 χ^2/NDF:25.7/16

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -698.915+/-315.648 χ^2/NDF:11.1/15

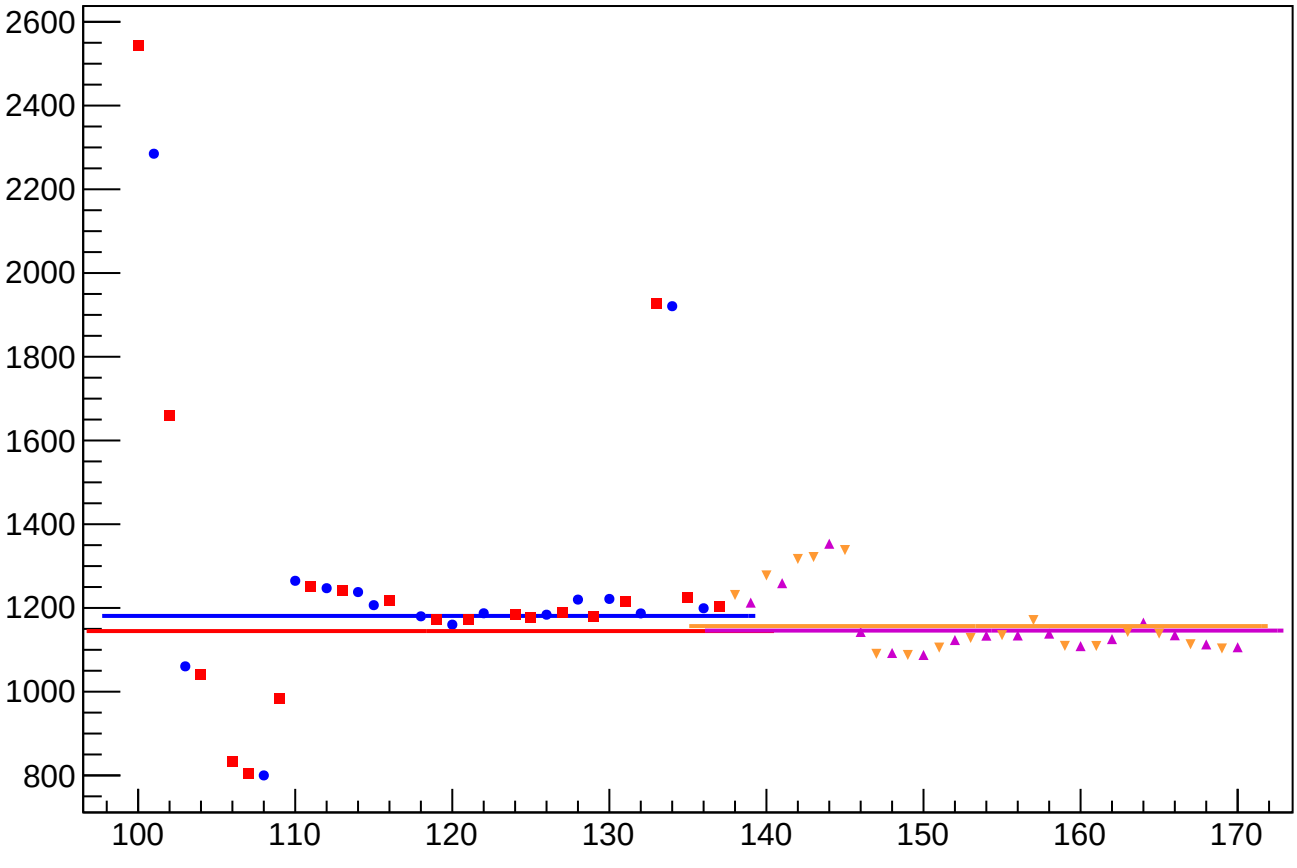
Left: 62.109+/-223.389 χ^2/NDF: 48.4/32

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -689.610+/-258.129 χ^2/NDF:22.9/31

Out: 439.263+/-255.647 χ^2/NDF:47.0/35

All: -119.720+/-181.641 χ^2/NDF: 79.5/67



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1156.690+/-0.224 χ^2/NDF:120479.5/16

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1145.913+/-0.223 χ^2/NDF:78529.1/15

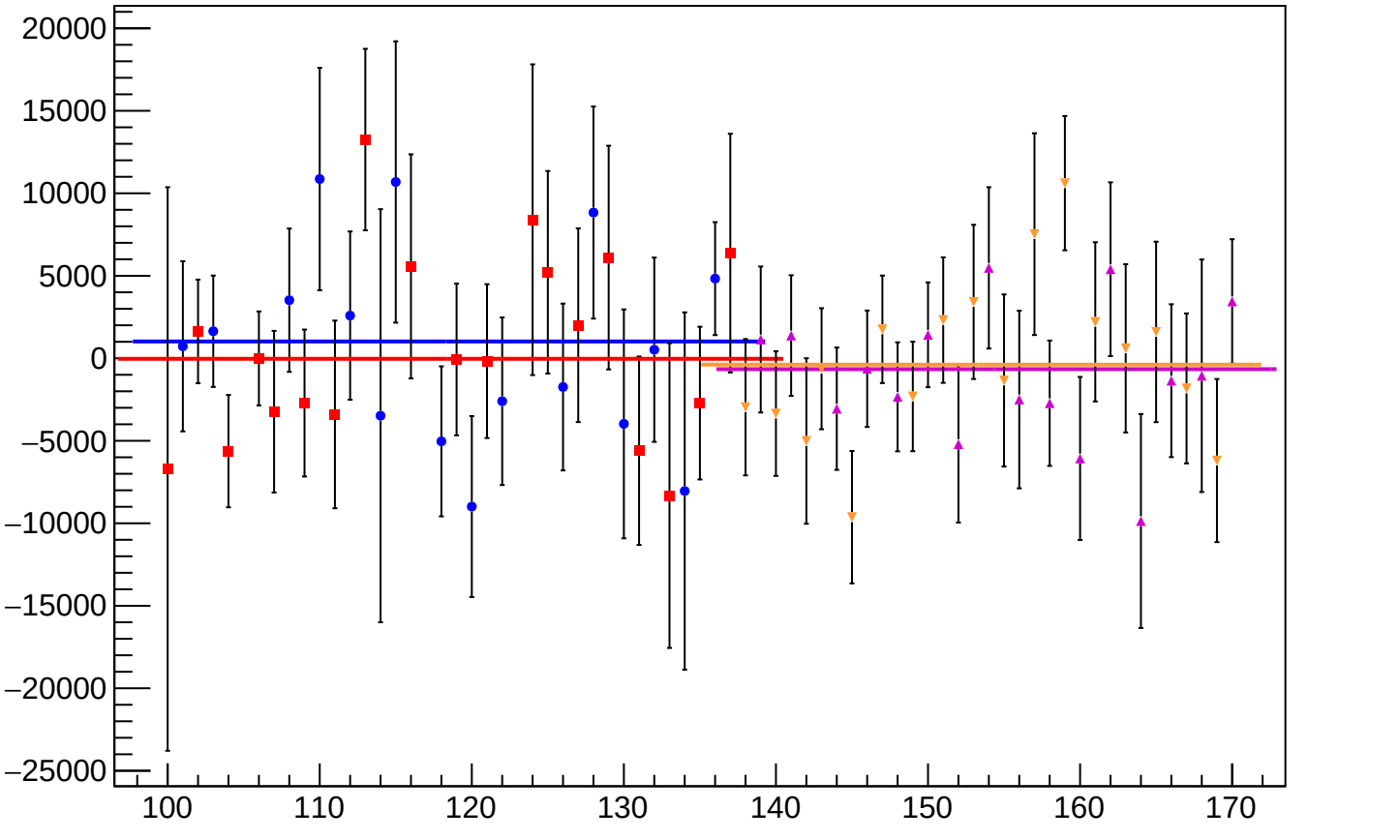
Left: 1151.292+/-0.158 χ^2/NDF: 200172.4/32

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1157.520+/-0.183 χ^2/NDF:708573.2/31

Out: 1152.562+/-0.181 χ^2/NDF:619193.5/35

All: 1155.017+/-0.128 χ^2/NDF: 1328139.3/67



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -383.762+/-1035.233 χ^2/NDF:20.1/16

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -658.596+/-1055.435 χ^2/NDF:10.2/15

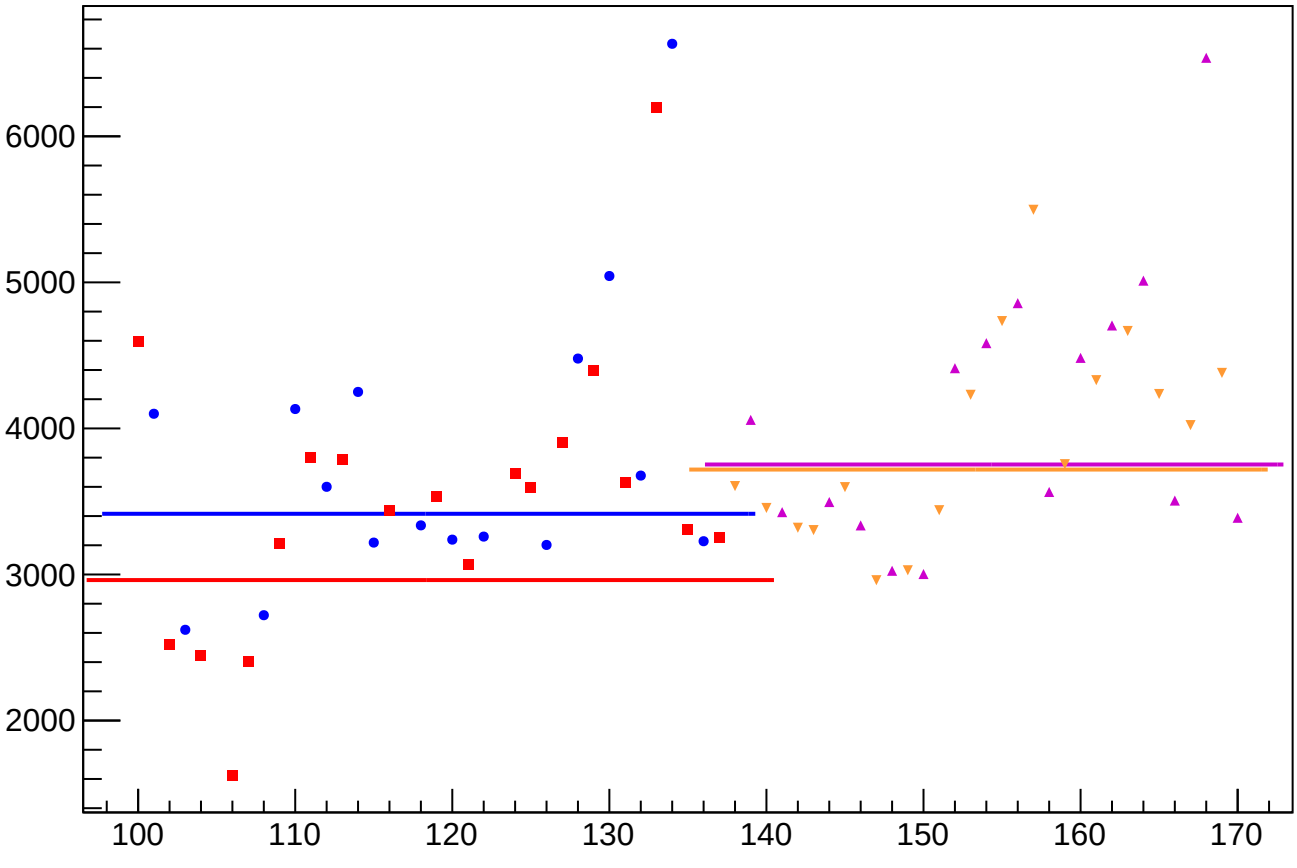
Left: -518.524+/-739.059 χ^2/NDF: 30.3/32

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 7.180+/-819.997 χ^2/NDF:25.1/31

Out: -222.514+/-763.557 χ^2/NDF:36.3/35

All: -115.843+/-558.805 χ^2/NDF: 61.4/67



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3718.392+/-0.732 χ^2/NDF:690032.3/16

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3753.042+/-0.746 χ^2/NDF:978038.3/15

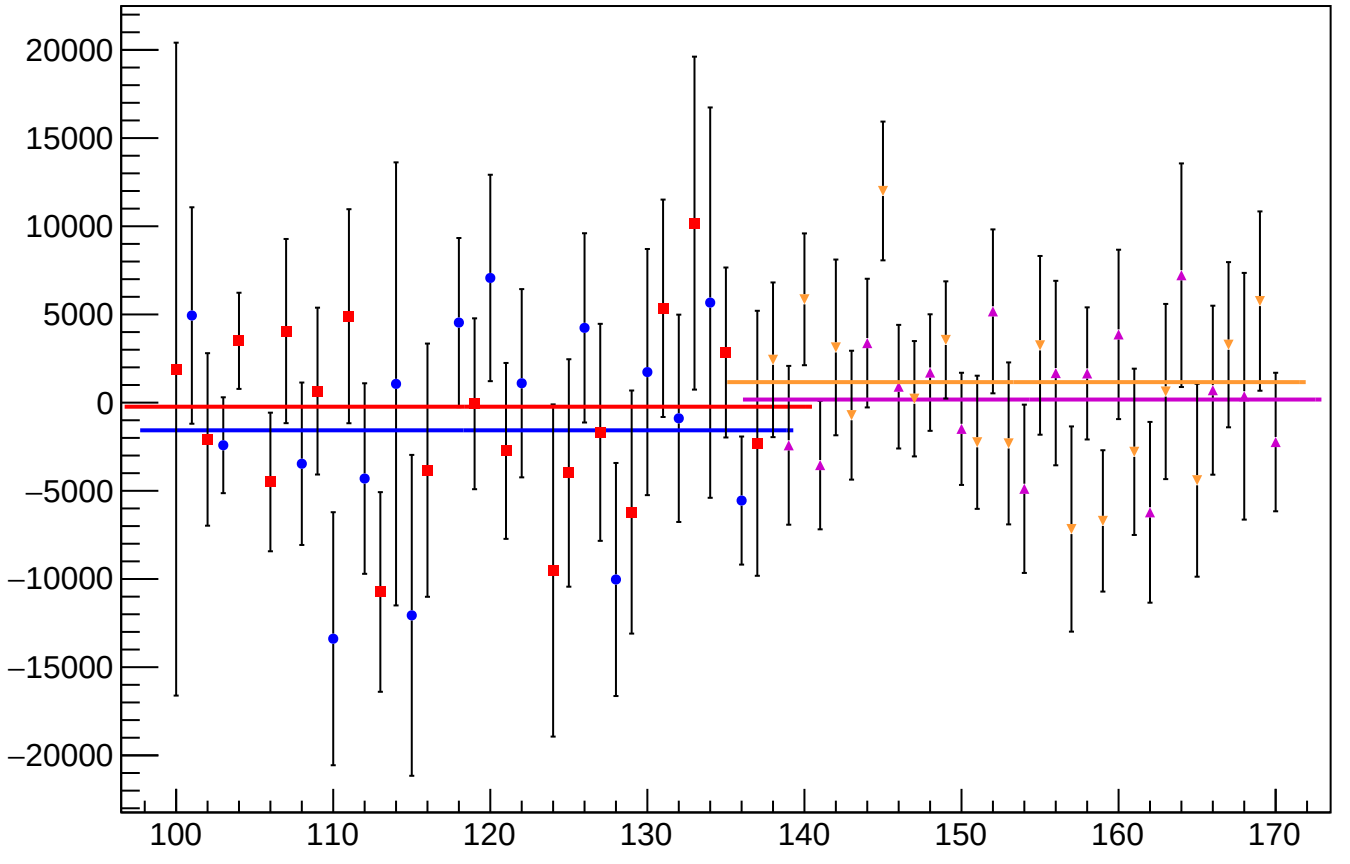
Left: 3735.382+/-0.523 χ^2/NDF: 1669169.2/32

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3619.282+/-0.580 χ^2/NDF:1651418.1/31

Out: 3373.390+/-0.540 χ^2/NDF:2346415.8/35

All: 3487.583+/-0.395 χ^2/NDF: 4094157.4/67



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1163.021+/-1031.955 χ^2/NDF:20.5/16

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 175.482+/-1051.238 χ^2/NDF:9.0/15

Left: 678.392+/-736.425 χ^2/NDF: 29.9/32

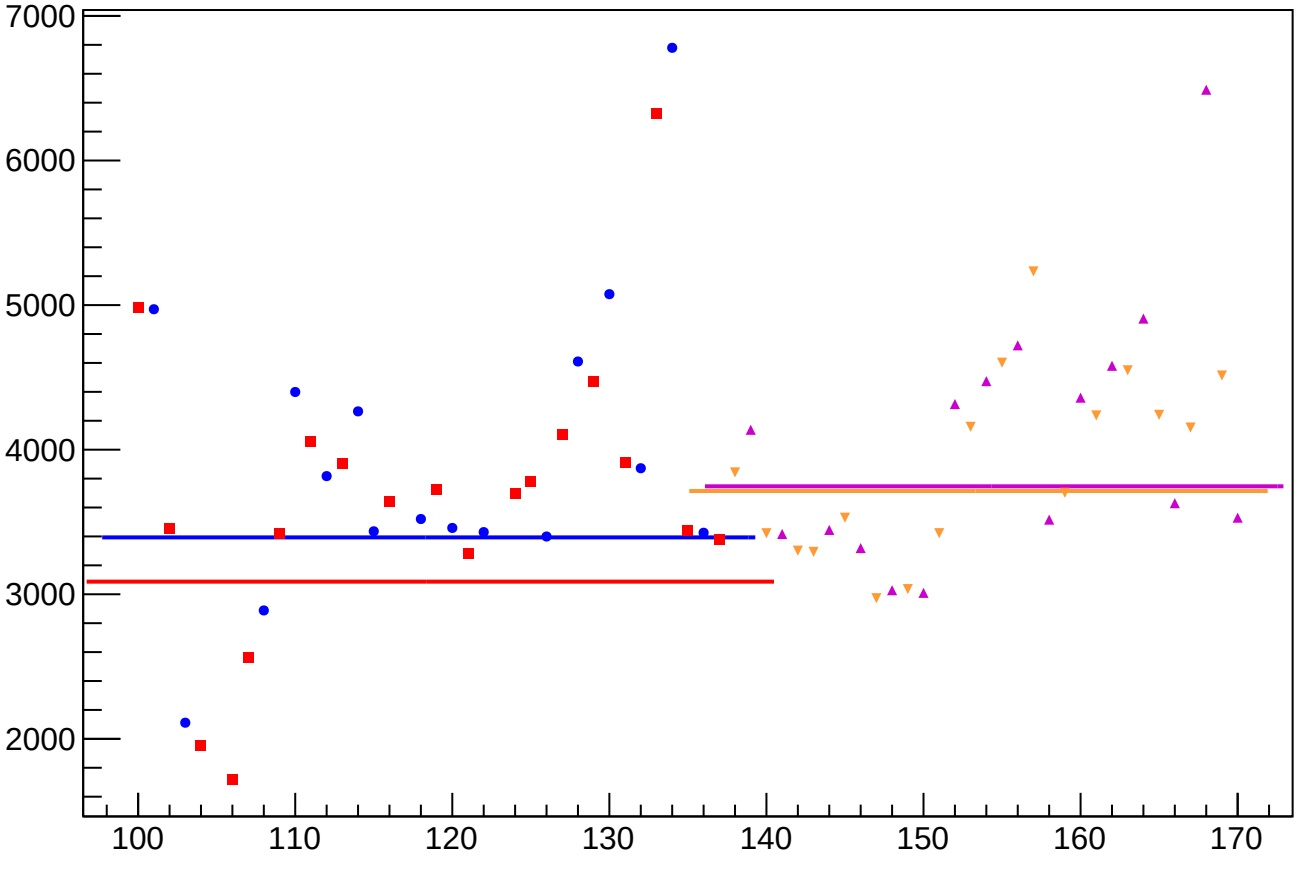
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -506.309+/-820.608 χ^2/NDF:24.5/31

Out: 583.951+/-789.052 χ^2/NDF:34.5/35

All: 60.186+/-568.773 χ^2/NDF: 59.9/67

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3714.267+/-0.730 χ^2/NDF:639678.2/16

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3746.702+/-0.743 χ^2/NDF:897801.6/15

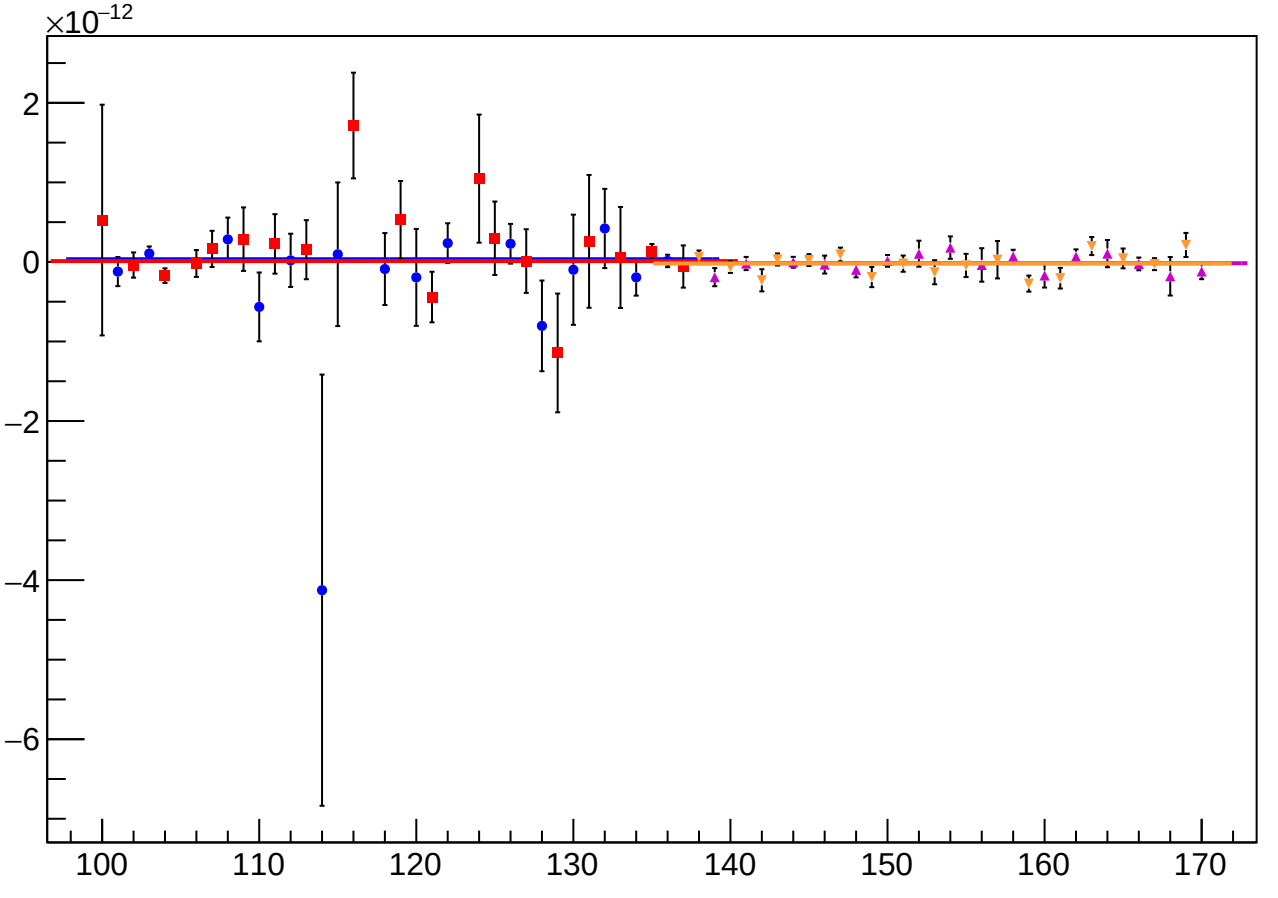
Left: 3730.184+/-0.521 χ^2/NDF: 1538449.4/32

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3608.672+/-0.580 χ^2/NDF:2034774.3/31

Out: 3448.696+/-0.554 χ^2/NDF:2280734.8/35

All: 3524.984+/-0.401 χ^2/NDF: 4355272.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/15

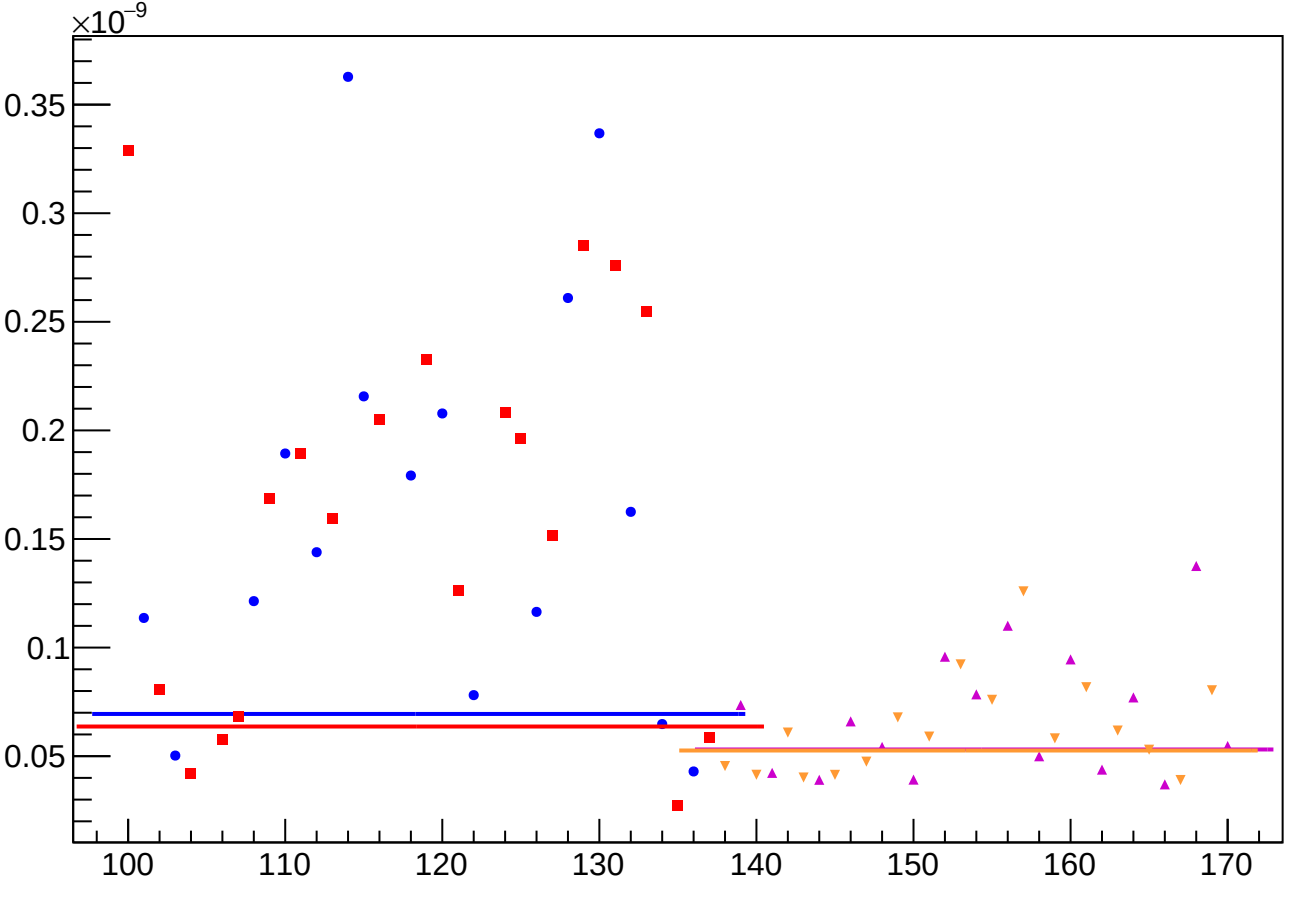
Left: -0.000+/-0.000 χ^2/NDF: 33.7/32

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.3/31

Out: -0.000+/-0.000 χ^2/NDF:45.2/35

All: -0.000+/-0.000 χ^2/NDF: 68.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:844317.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1163291.3/15

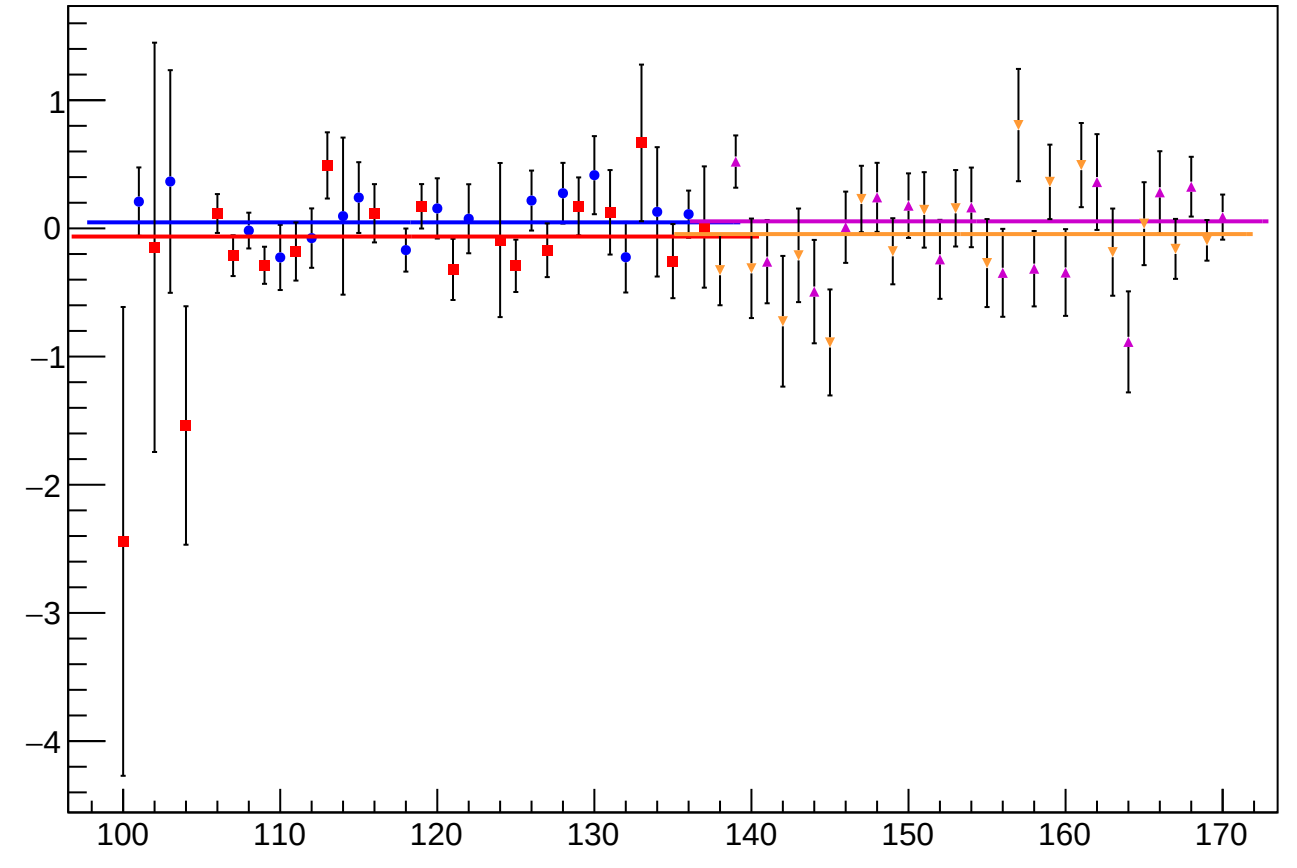
Left: 0.000+/-0.000 χ^2/NDF: 2007957.1/32

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:3068261.8/31

Out: 0.000+/-0.000 χ^2/NDF:3174315.1/35

All: 0.000+/-0.000 χ^2/NDF: 6248993.3/67



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.044+/-0.071 χ^2/NDF:19.4/16

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.055+/-0.070 χ^2/NDF:22.4/15

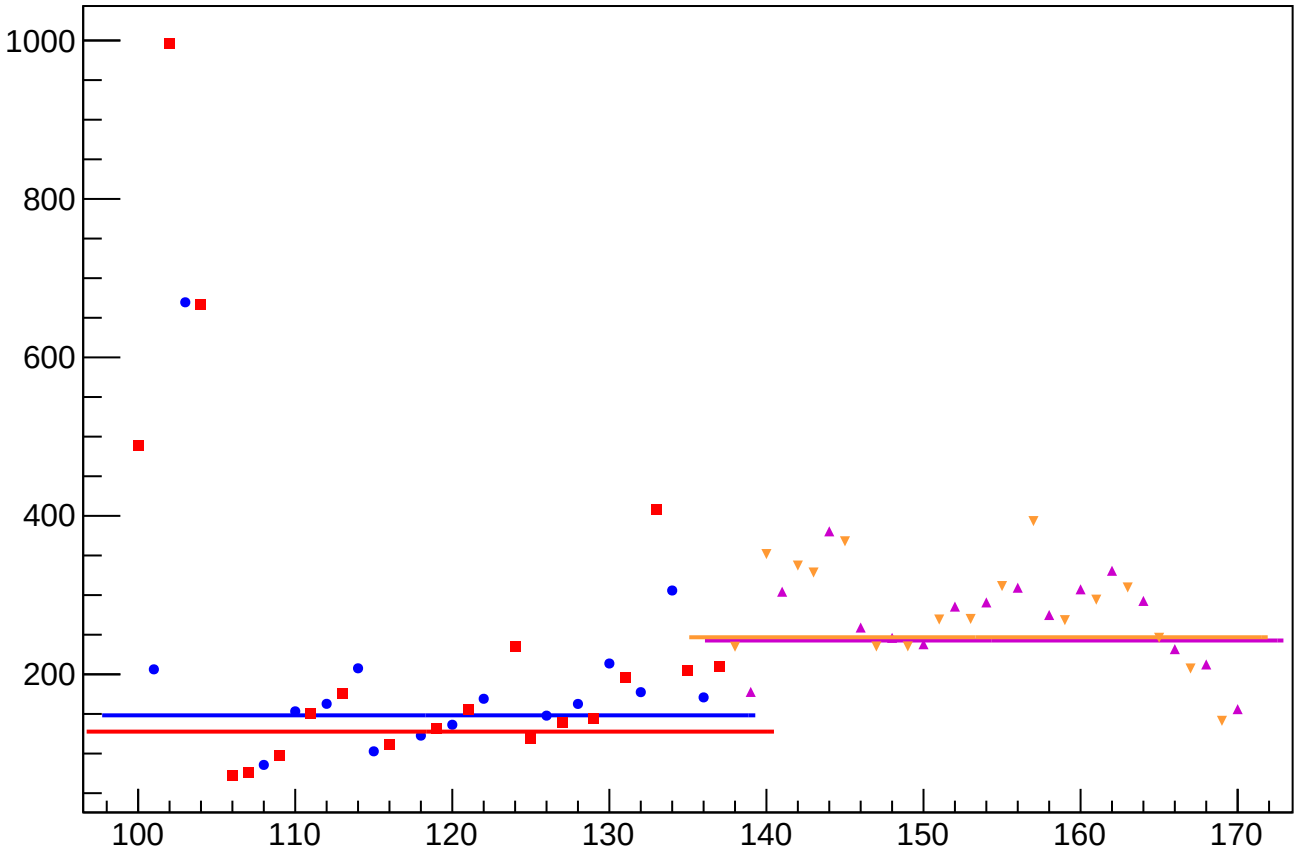
Left: 0.006+/-0.050 χ^2/NDF: 42.8/32

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.056+/-0.043 χ^2/NDF:41.7/35

All: -0.006+/-0.031 χ^2/NDF: 75.5/67



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 246.780+/-0.050 χ^2/NDF:1874910.8/16

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 242.683+/-0.049 χ^2/NDF:1438948.6/15

Left: 244.707+/-0.035 χ^2/NDF: 3317273.6/32

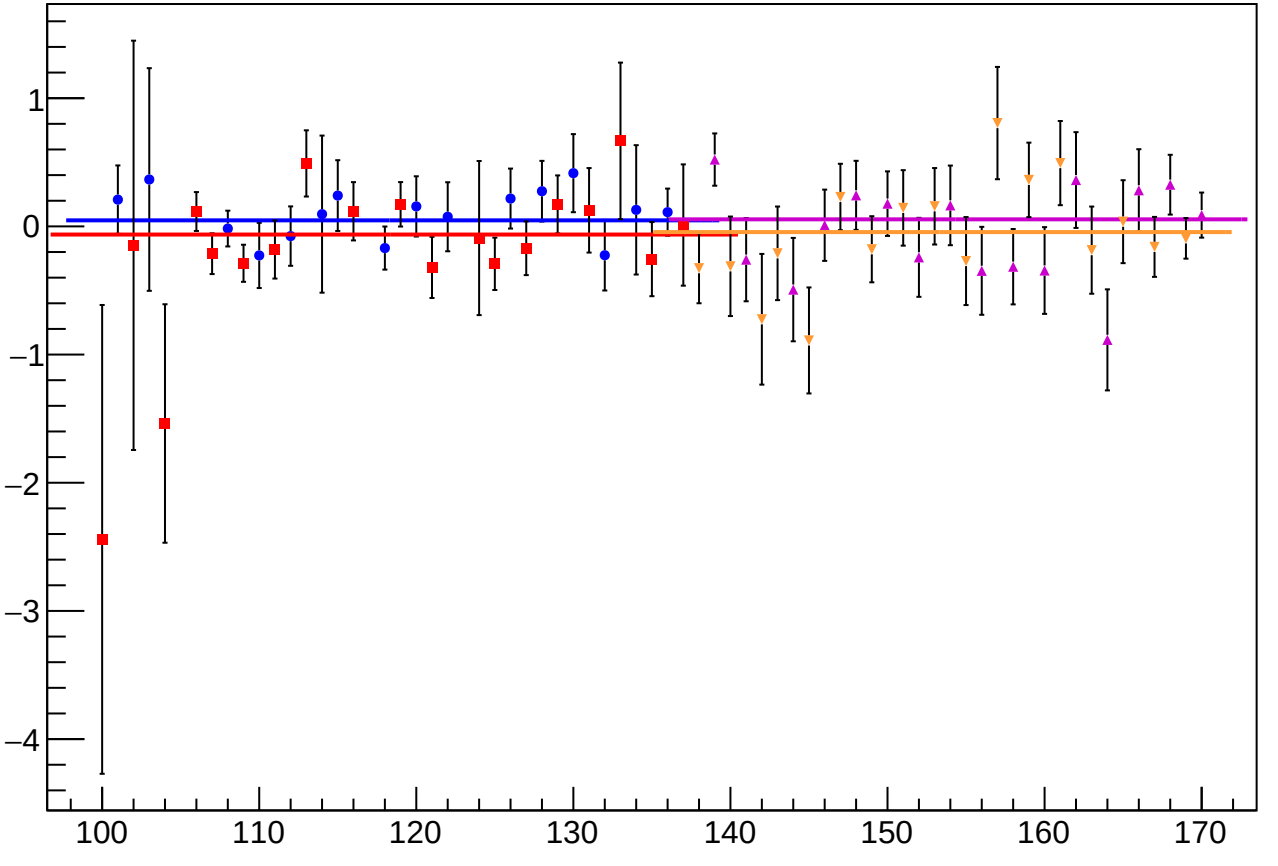
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.468+/-0.032 χ^2/NDF:5257665.0/31

Out: 172.383+/-0.031 χ^2/NDF:8279239.7/35

All: 180.014+/-0.022 χ^2/NDF: 13668400.6/67

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.044+/-0.071 χ^2/NDF:19.4/16

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.055+/-0.070 χ^2/NDF:22.4/15

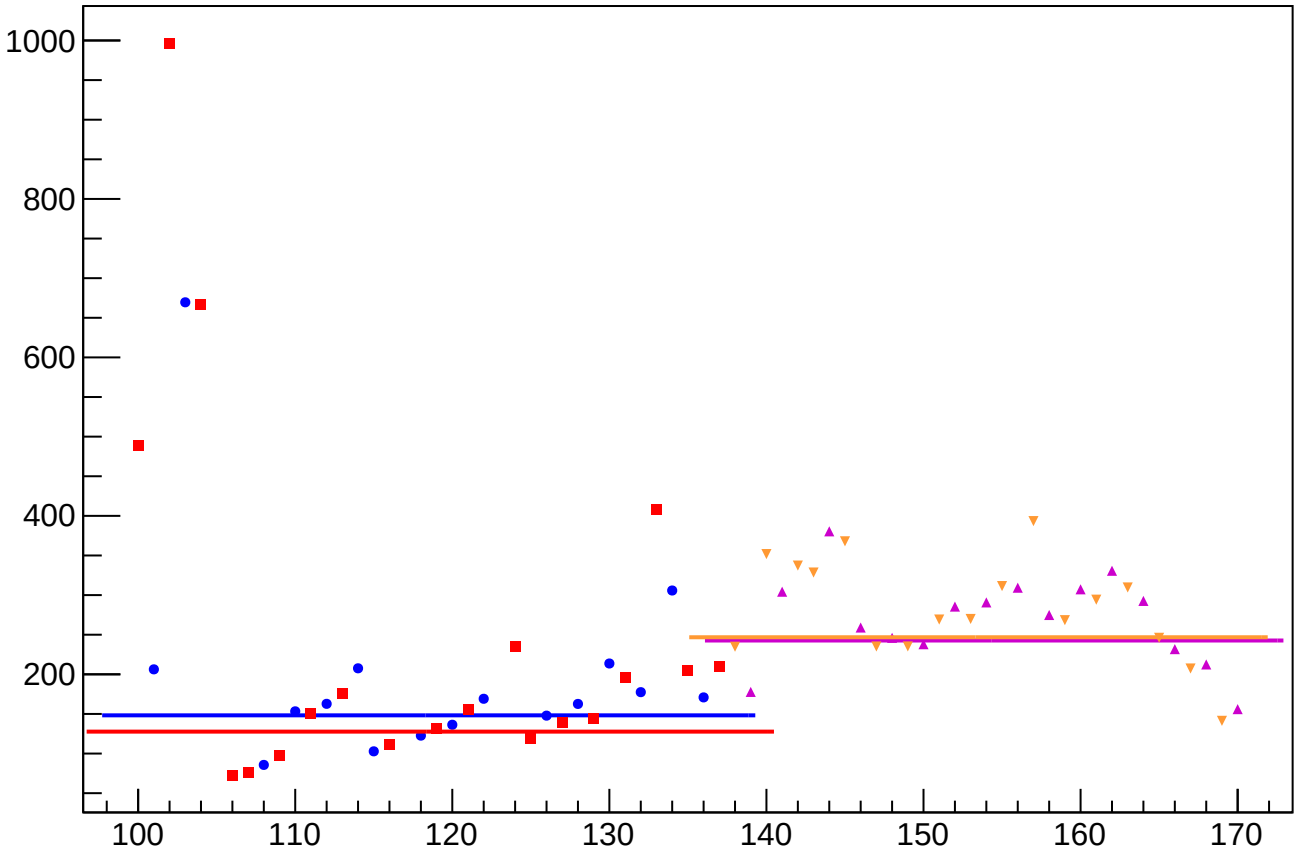
Left: 0.006+/-0.050 χ^2/NDF: 42.8/32

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.056+/-0.043 χ^2/NDF:41.7/35

All: -0.006+/-0.031 χ^2/NDF: 75.5/67



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 246.780+/-0.050 χ^2/NDF:1874910.8/16

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 242.683+/-0.049 χ^2/NDF:1438948.6/15

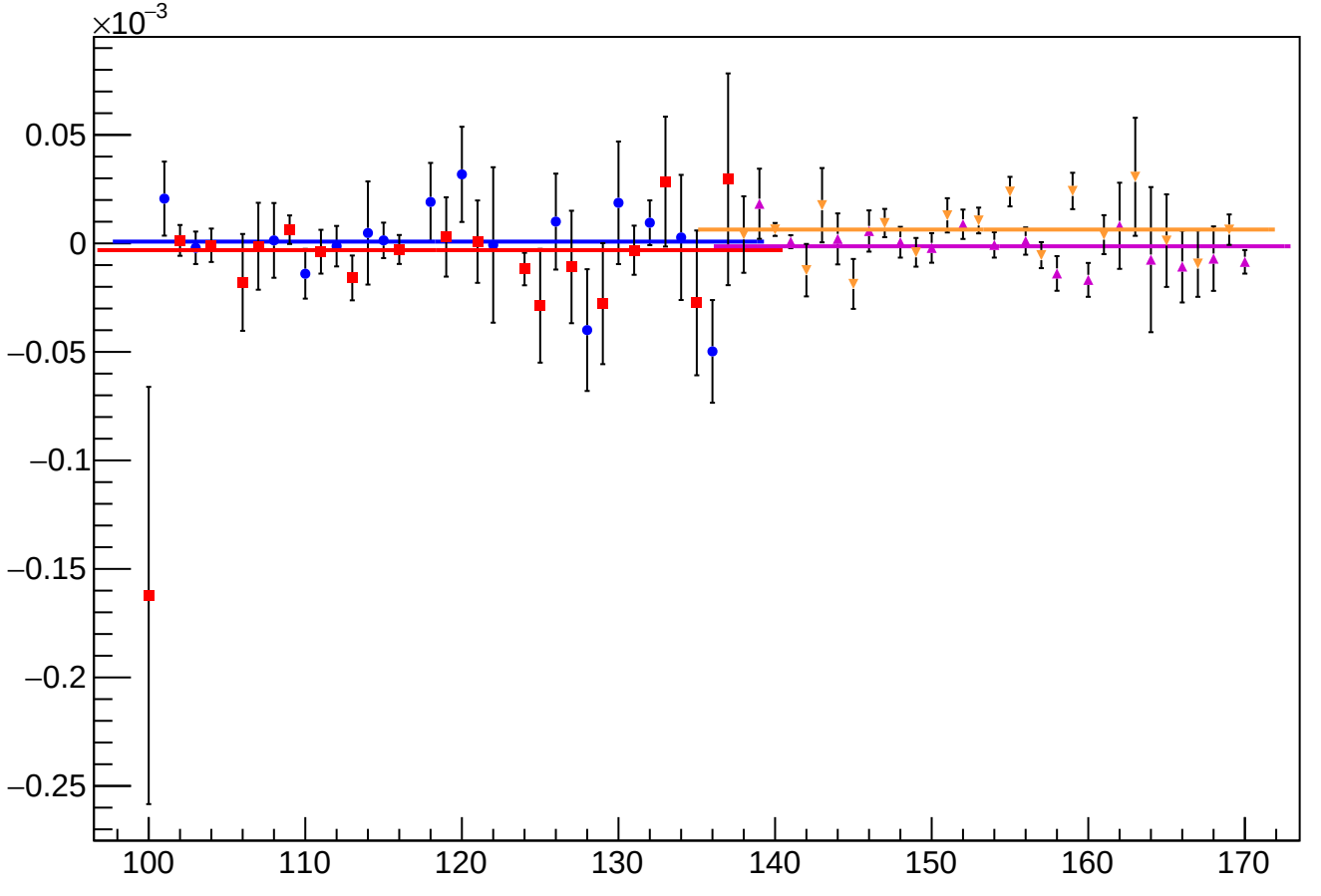
Left: 244.707+/-0.035 χ^2/NDF: 3317273.6/32

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.468+/-0.032 χ^2/NDF:5257665.0/31

Out: 172.383+/-0.031 χ^2/NDF:8279239.7/35

All: 180.014+/-0.022 χ^2/NDF: 13668400.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/15

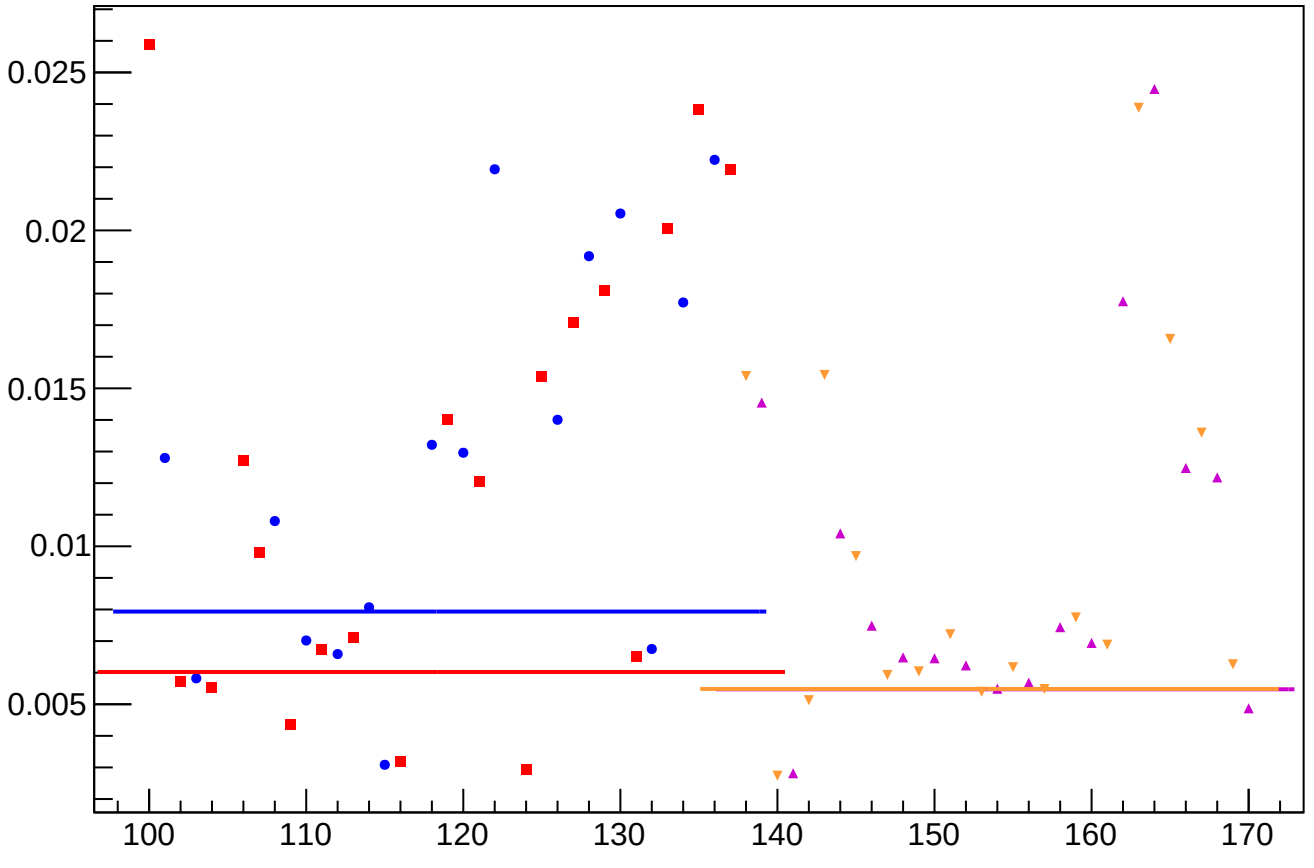
Left: 0.000+/-0.000 χ^2/NDF: 52.1/32

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:28.5/31

Out: 0.000+/-0.000 χ^2/NDF:50.1/35

All: 0.000+/-0.000 χ^2/NDF: 82.9/67



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:5640794.2/16

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5147122.6/15

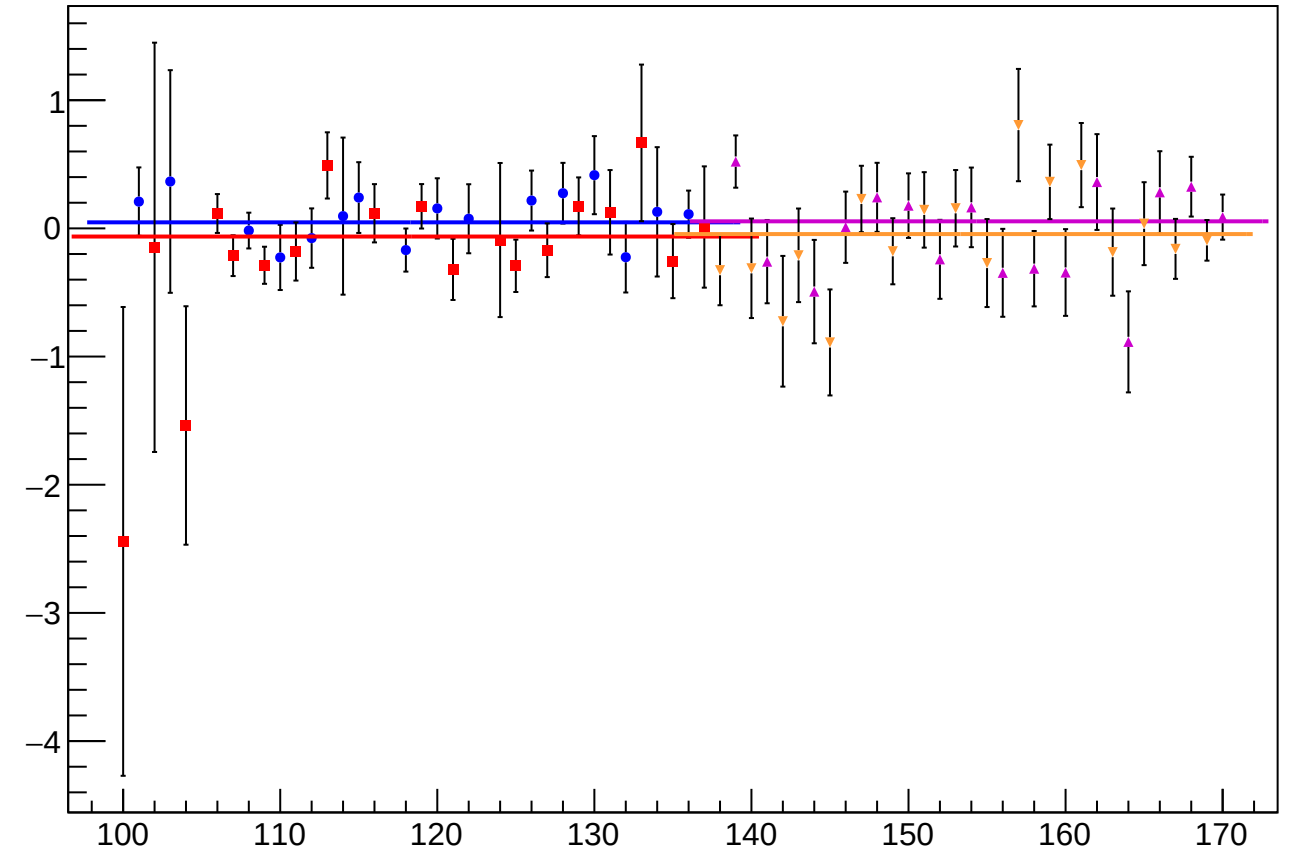
Left: 0.005+/-0.000 χ^2/NDF: 10787957.8/32

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9530678.6/31

Out: 0.006+/-0.000 χ^2/NDF:9708108.7/35

All: 0.006+/-0.000 χ^2/NDF: 19284821.1/67



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.044+/-0.071 χ^2/NDF:19.4/16

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.055+/-0.070 χ^2/NDF:22.4/15

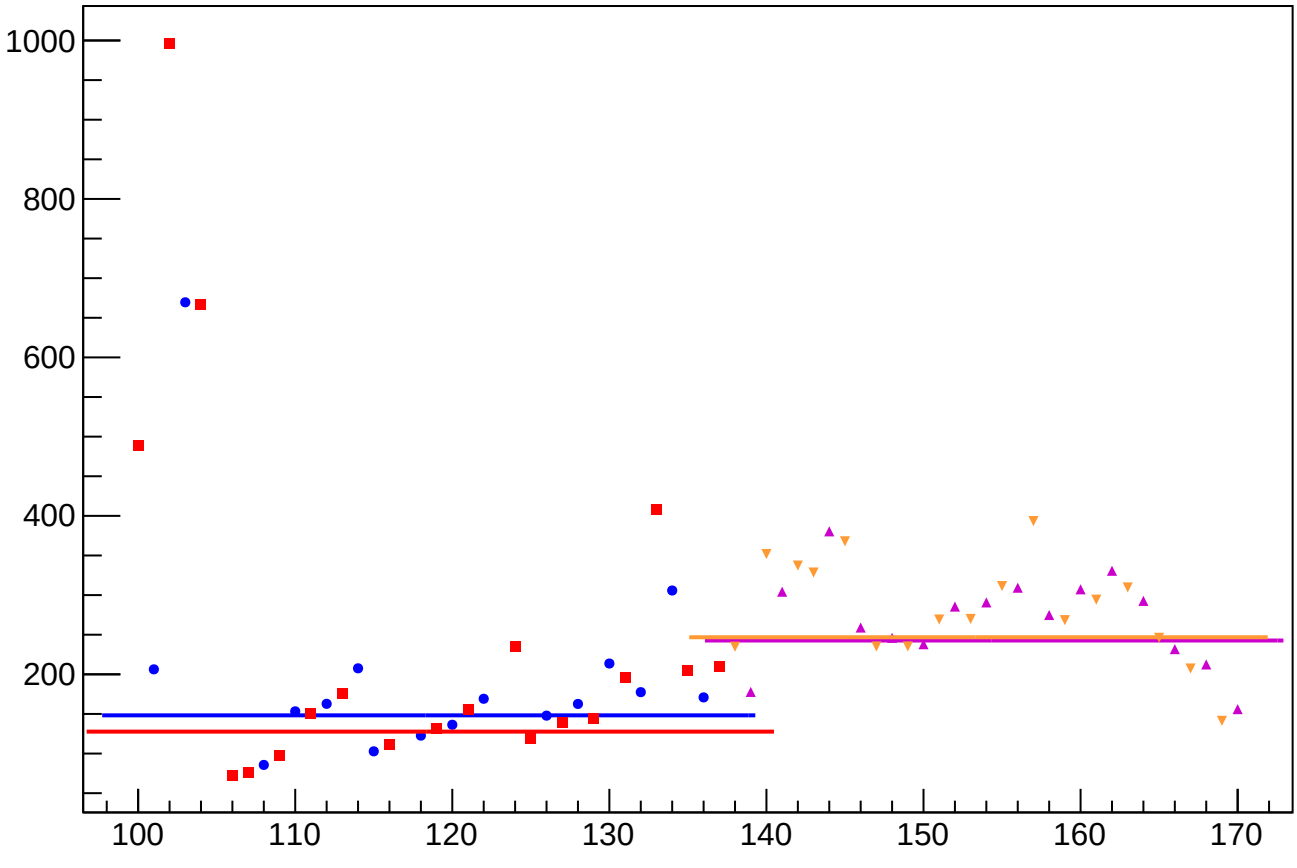
Left: 0.006+/-0.050 χ^2/NDF: 42.8/32

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.056+/-0.043 χ^2/NDF:41.7/35

All: -0.006+/-0.031 χ^2/NDF: 75.5/67



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 246.782+/-0.050 χ^2/NDF:1874995.5/16

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 242.686+/-0.049 χ^2/NDF:1438961.2/15

Left: 244.709+/-0.035 χ^2/NDF: 3317369.6/32

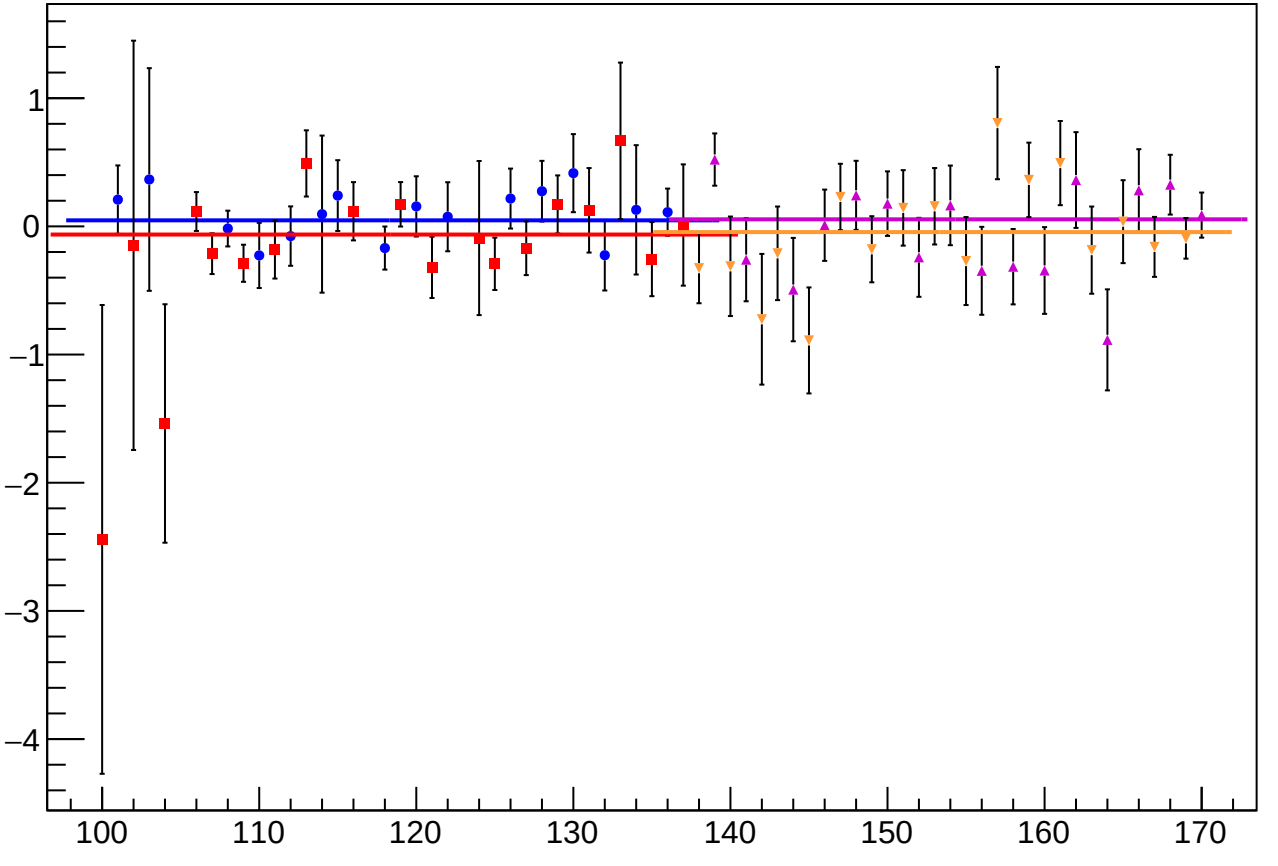
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.467+/-0.032 χ^2/NDF:5257978.1/31

Out: 172.383+/-0.031 χ^2/NDF:8279380.0/35

All: 180.013+/-0.022 χ^2/NDF: 13668827.1/67

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: -0.044+/-0.071 χ^2/NDF:19.4/16

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.055+/-0.070 χ^2/NDF:22.4/15

Left: 0.006+/-0.050 χ^2/NDF: 42.8/32

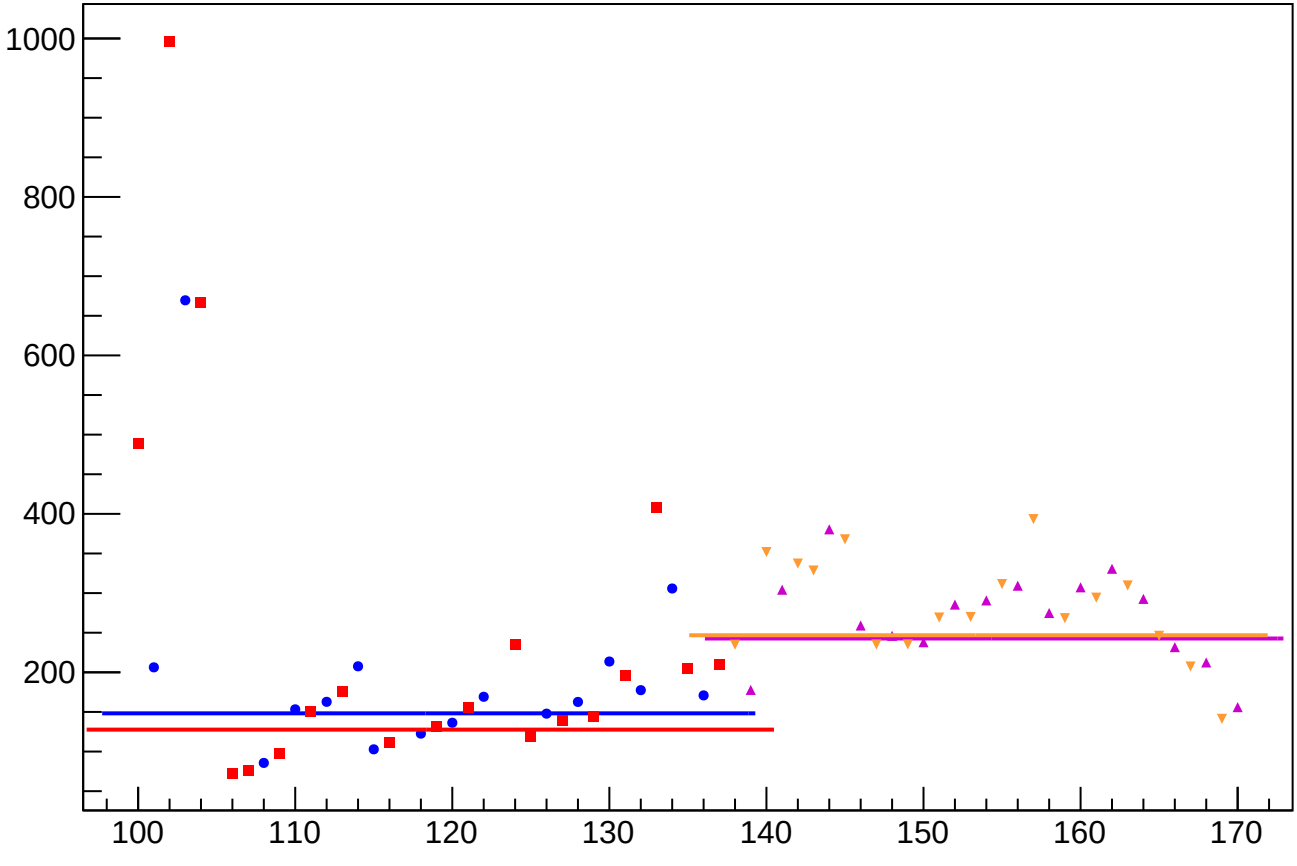
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.056+/-0.043 χ^2/NDF:41.7/35

All: -0.006+/-0.031 χ^2/NDF: 75.5/67

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: 246.782+/-0.050 χ^2/NDF:1874995.5/16

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 242.686+/-0.049 χ^2/NDF:1438961.2/15

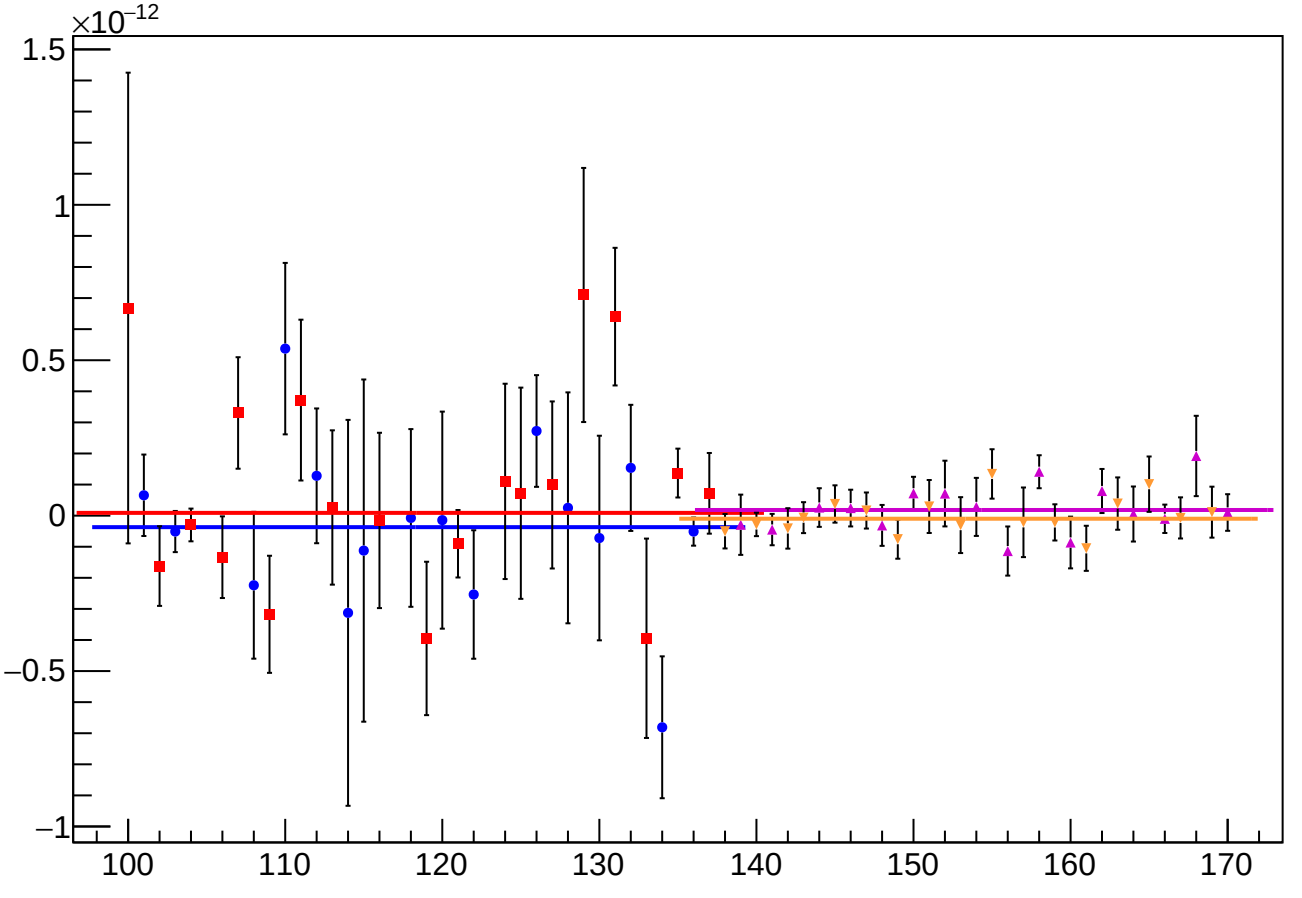
Left: 244.709+/-0.035 χ^2/NDF: 3317369.6/32

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.467+/-0.032 χ^2/NDF:5257978.1/31

Out: 172.383+/-0.031 χ^2/NDF:8279380.0/35

All: 180.013+/-0.022 χ^2/NDF: 13668827.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

Left: 0.000+/-0.000 χ^2/NDF: 28.2/32

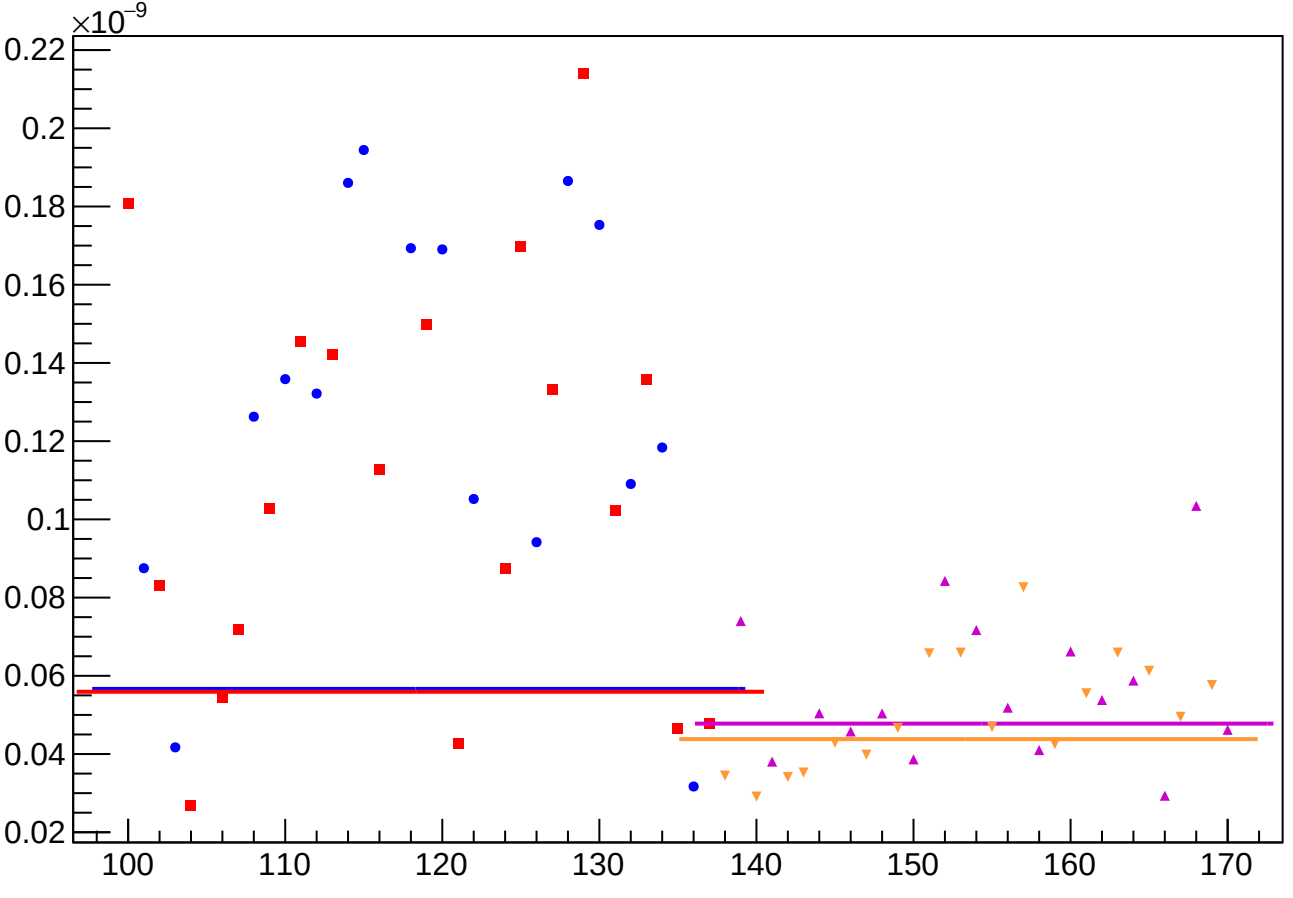
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/31

Out: -0.000+/-0.000 χ^2/NDF:42.3/35

All: -0.000+/-0.000 χ^2/NDF: 80.9/67

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1315746.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1539729.0/15

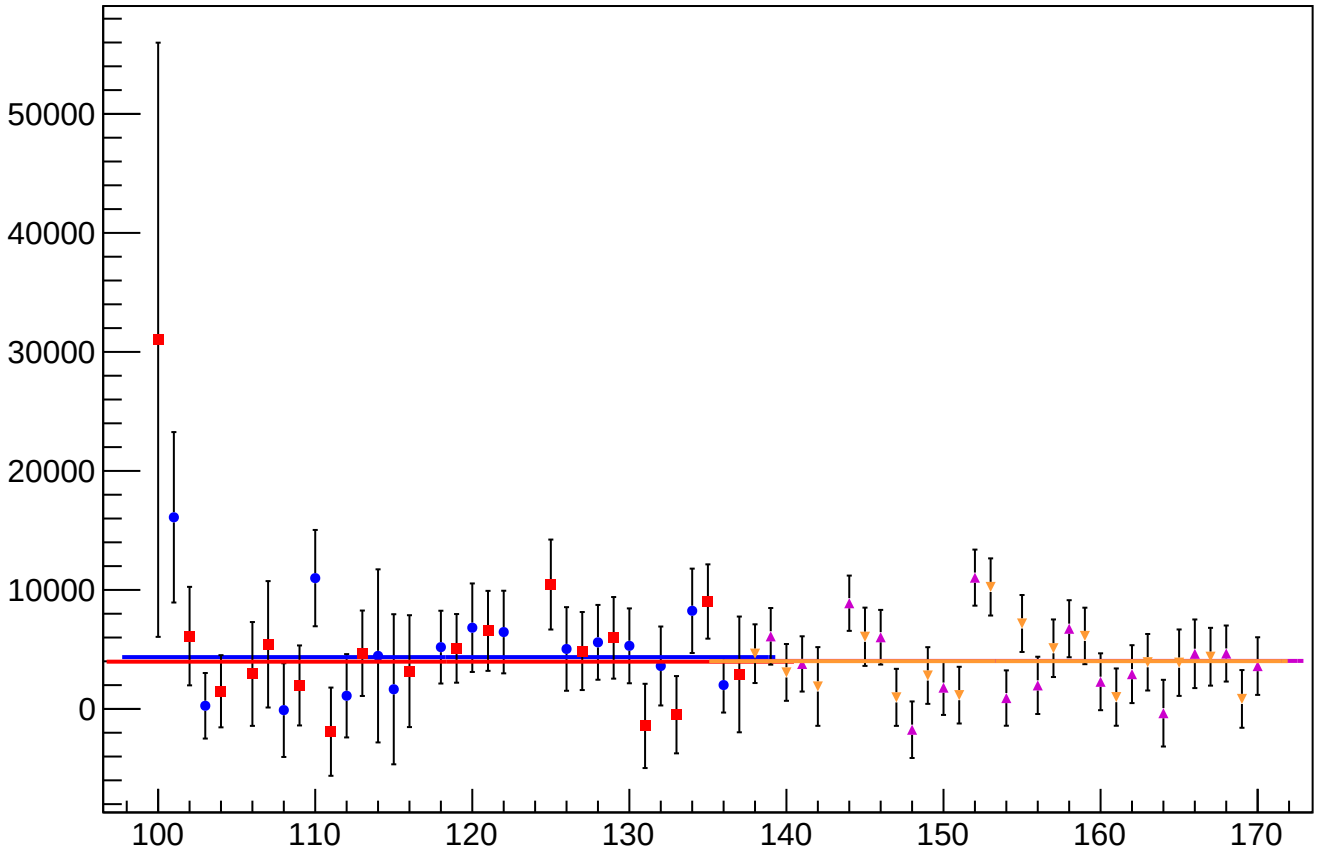
Left: 0.000+/-0.000 χ^2/NDF: 2916245.7/32

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4773277.9/31

Out: 0.000+/-0.000 χ^2/NDF:4280089.7/35

All: 0.000+/-0.000 χ^2/NDF: 9112905.9/67



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4015.929+/-615.574 χ^2/NDF:17.4/15

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4035.349+/-602.124 χ^2/NDF:28.7/15

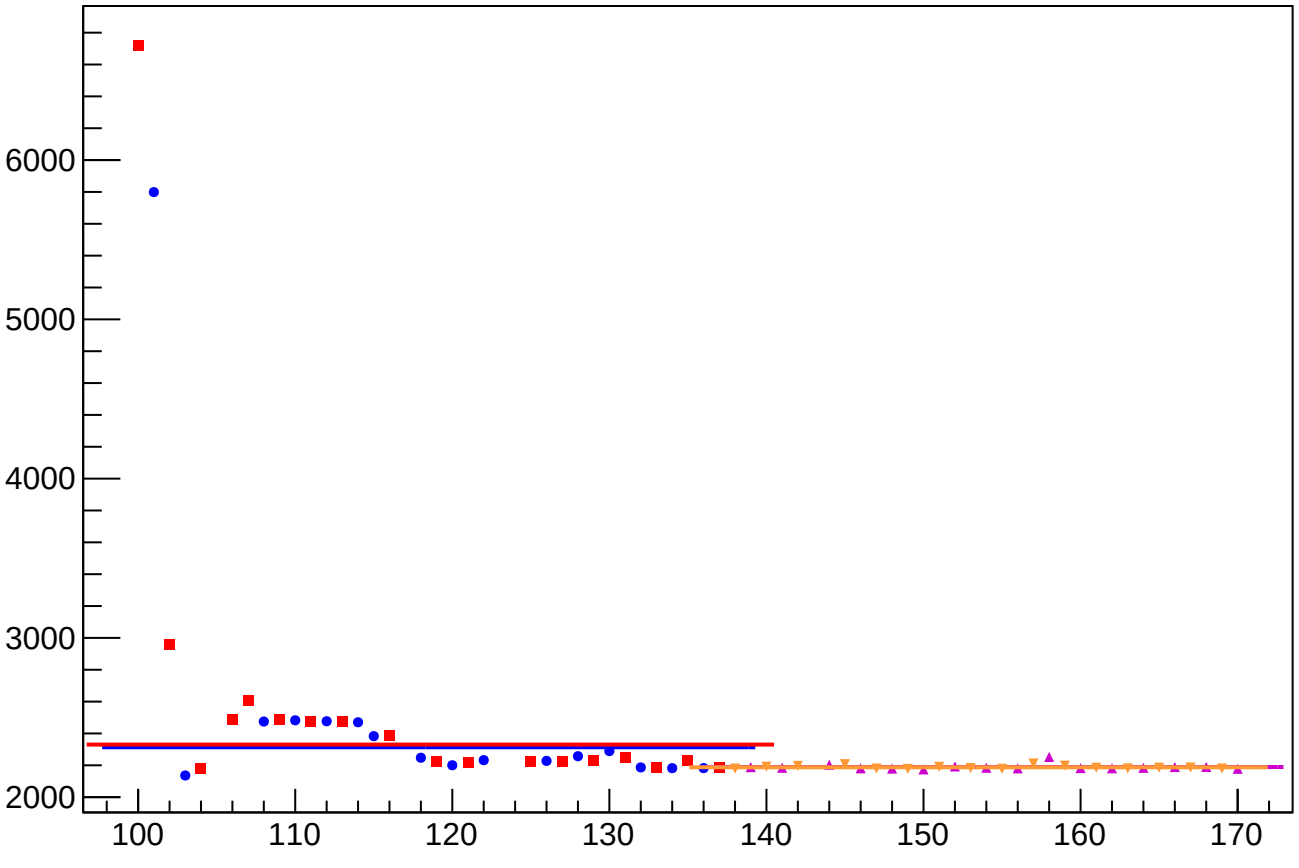
Left: 4025.853+/-430.443 χ^2/NDF: 46.2/31

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4137.839+/-496.055 χ^2/NDF:42.2/31

Out: 4001.196+/-502.759 χ^2/NDF:33.6/33

All: 4070.435+/-353.110 χ^2/NDF: 75.8/65



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.704+/-0.435 χ^2/NDF:545.3/15

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

Left: 2188.548+/-0.304 χ^2/NDF: 2298.1/31

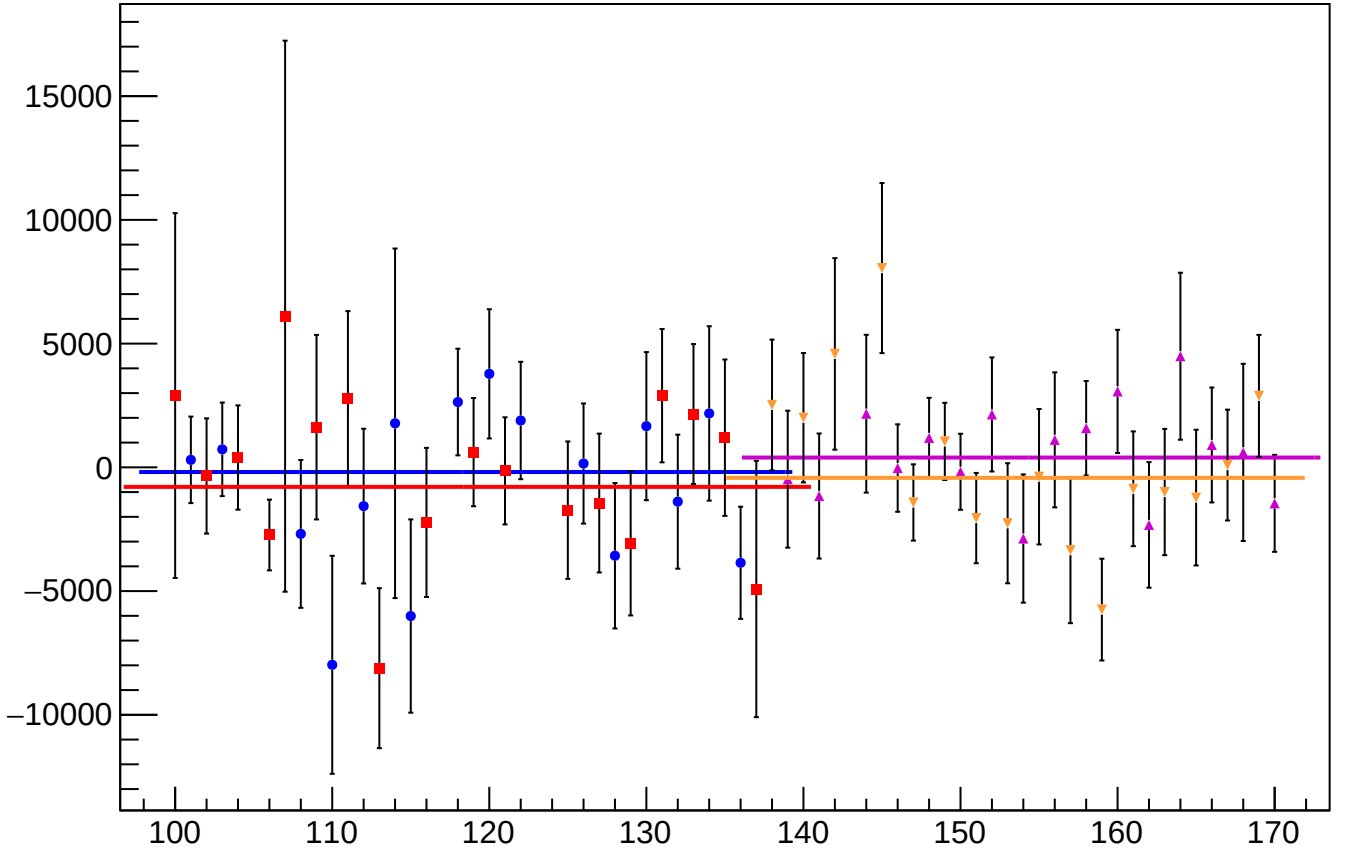
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2229.213+/-0.351 χ^2/NDF:541394.2/31

Out: 2235.148+/-0.356 χ^2/NDF:187438.6/33

All: 2232.141+/-0.250 χ^2/NDF: 728974.1/65

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -424.315+/-571.243 χ^2/NDF:22.2/15

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 395.639+/-560.189 χ^2/NDF:8.6/15

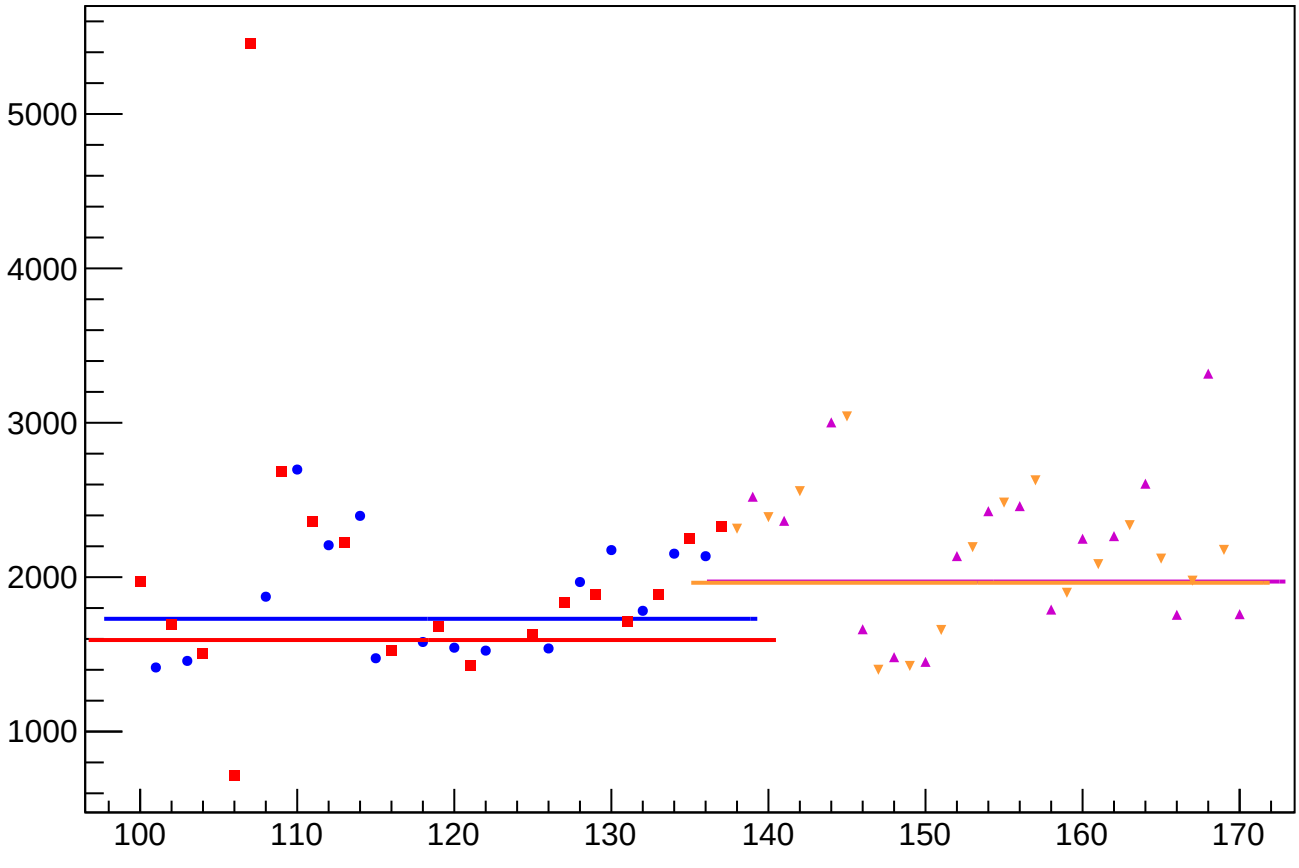
Left: -6.328+/-399.965 χ^2/NDF: 31.9/31

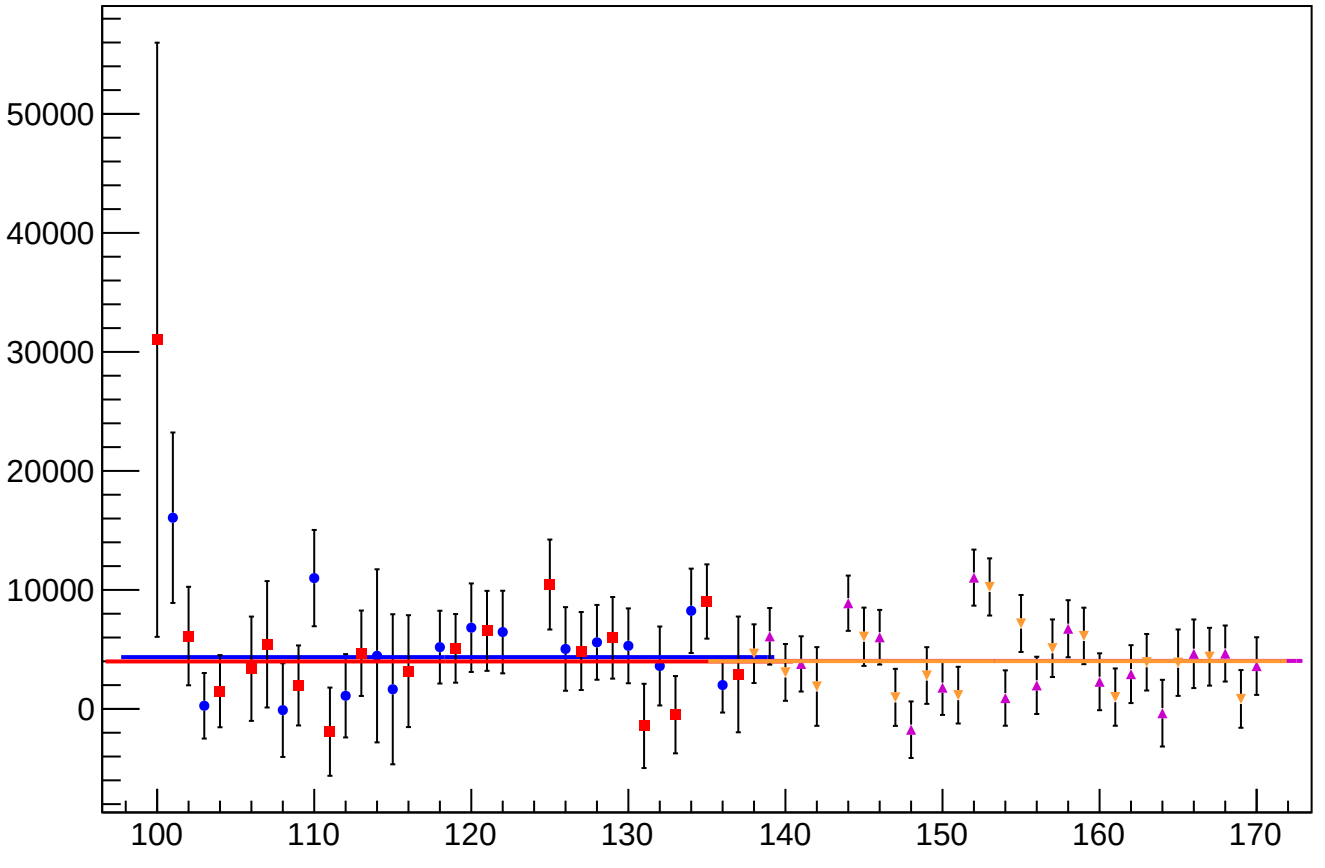
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 150.248+/-426.637 χ^2/NDF:25.5/31

Out: -587.606+/-424.657 χ^2/NDF:37.3/33

All: -220.395+/-300.975 χ^2/NDF: 64.3/65


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1730.288+/-0.466 χ²/NDF: 478932.0/15
Left Out: 1963.832+/-0.404 χ²/NDF:1156367.9/15
Right Out: 1592.824+/-0.449 χ²/NDF: 1556204.8/17
Left In: 1971.551+/-0.396 χ²/NDF:1410384.2/15
Left: 1967.767+/-0.283 χ²/NDF: 2566938.3/31
Right: 1659.066+/-0.323 χ²/NDF: 2080315.9/33
In: 1870.227+/-0.302 χ²/NDF:2045116.5/31
Out: 1797.854+/-0.300 χ²/NDF:3089988.0/33
All: 1833.872+/-0.213 χ²/NDF: 5164014.3/65



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4015.824+/-615.574 χ^2/NDF:17.4/15

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4035.441+/-602.124 χ^2/NDF:28.7/15

Left: 4025.849+/-430.443 χ^2/NDF: 46.2/31

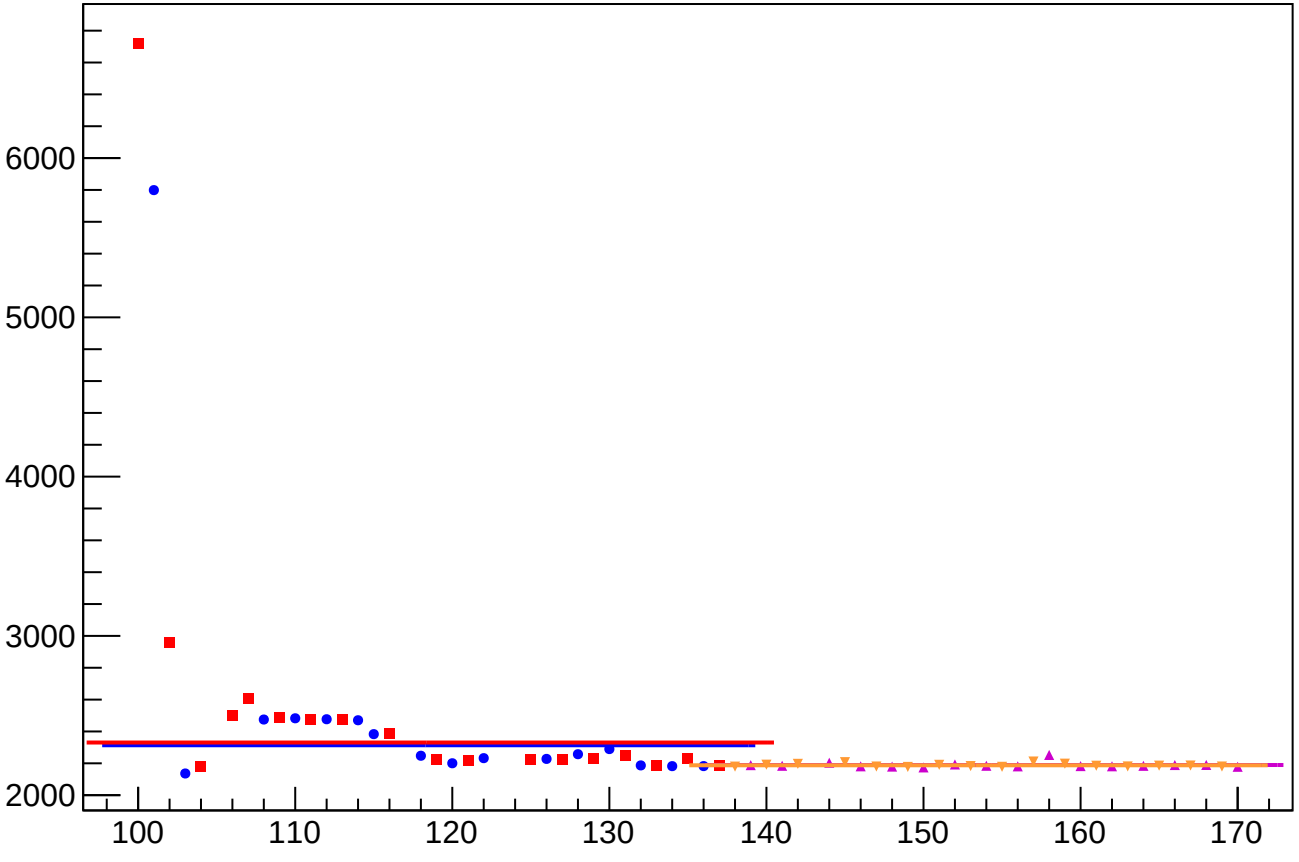
Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.683+/-496.055 χ^2/NDF:42.2/31

Out: 4007.189+/-502.788 χ^2/NDF:33.6/33

All: 4073.316+/-353.120 χ^2/NDF: 75.8/65

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.704+/-0.435 χ^2/NDF:545.3/15

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

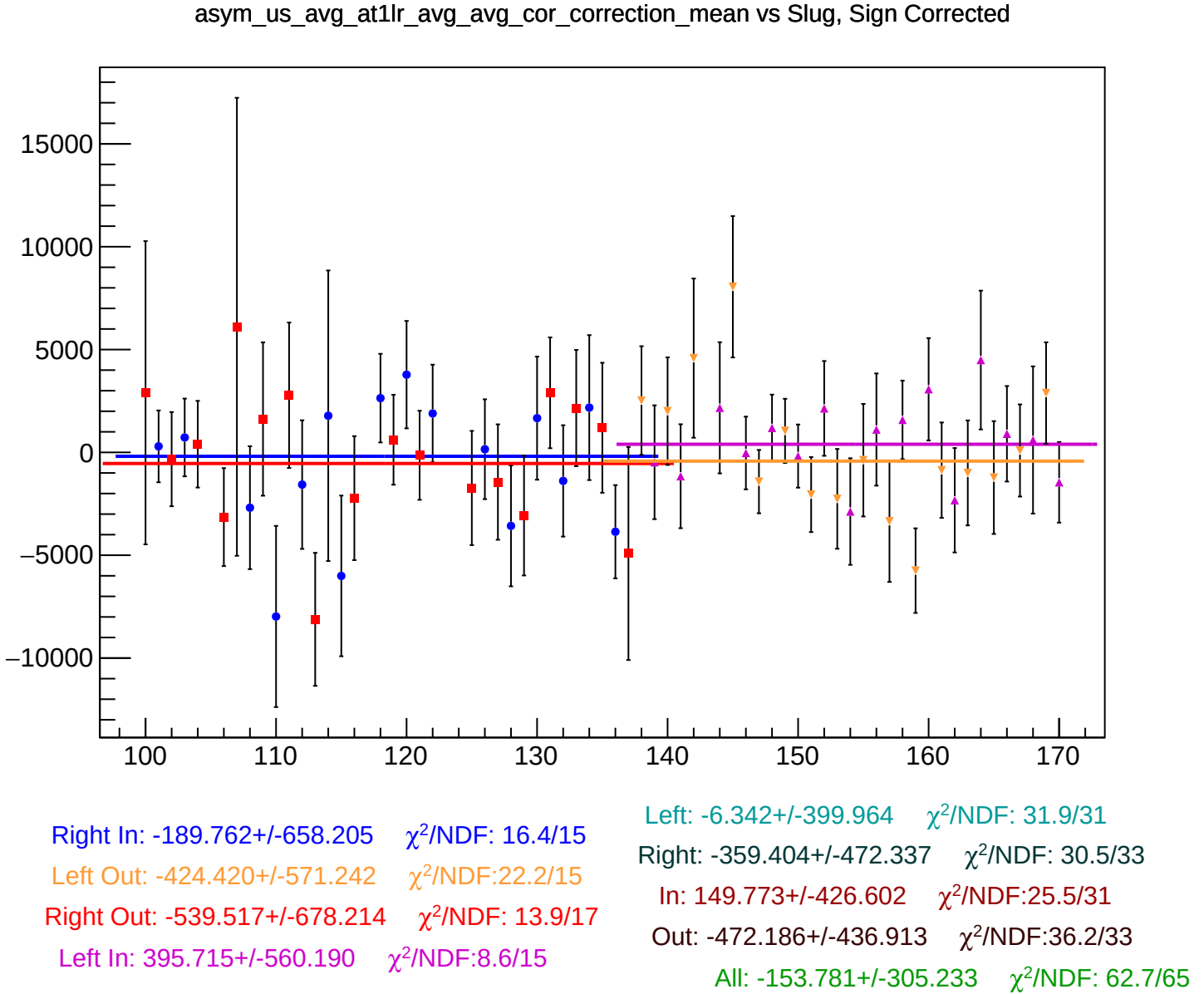
Left: 2188.548+/-0.304 χ^2/NDF: 2298.1/31

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

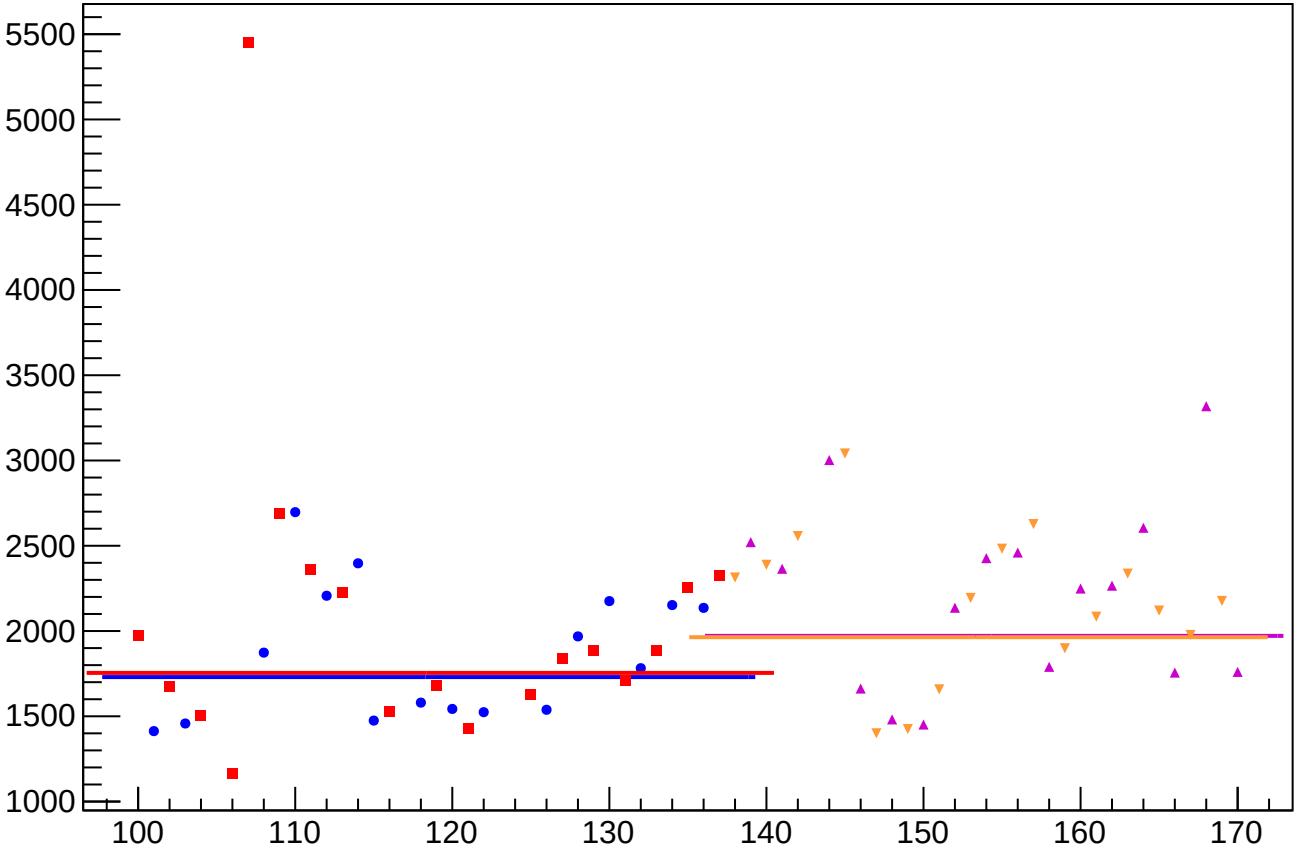
In: 2229.213+/-0.351 χ^2/NDF:541394.6/31

Out: 2235.260+/-0.356 χ^2/NDF:187961.7/33

All: 2232.196+/-0.250 χ^2/NDF: 729502.9/65


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -424.420+/-571.242 χ²/NDF:22.2/15
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 395.715+/-560.190 χ²/NDF:8.6/15
Left: -6.342+/-399.964 χ²/NDF: 31.9/31
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 149.773+/-426.602 χ²/NDF:25.5/31
Out: -472.186+/-436.913 χ²/NDF:36.2/33
All: -153.781+/-305.233 χ²/NDF: 62.7/65

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: 1963.824+/-0.404 χ^2/NDF:1156403.4/15

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

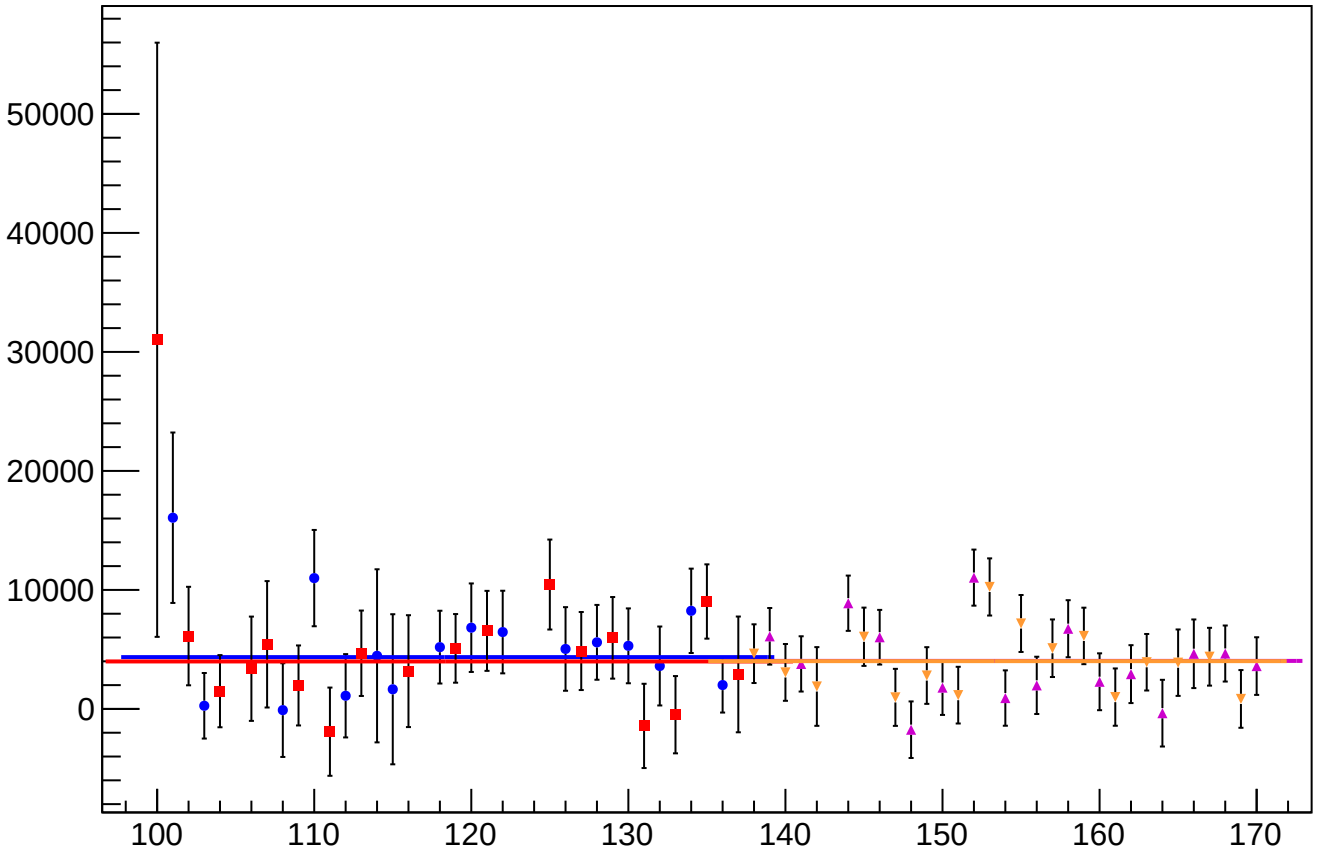
Left: 1967.765+/-0.283 χ^2/NDF: 2566998.5/31

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1870.041+/-0.302 χ^2/NDF:2046649.3/31

Out: 1876.964+/-0.309 χ^2/NDF:2018836.6/33

All: 1873.420+/-0.216 χ^2/NDF: 4065742.9/65



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4015.824+/-615.574 χ^2/NDF:17.4/15

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4035.441+/-602.124 χ^2/NDF:28.7/15

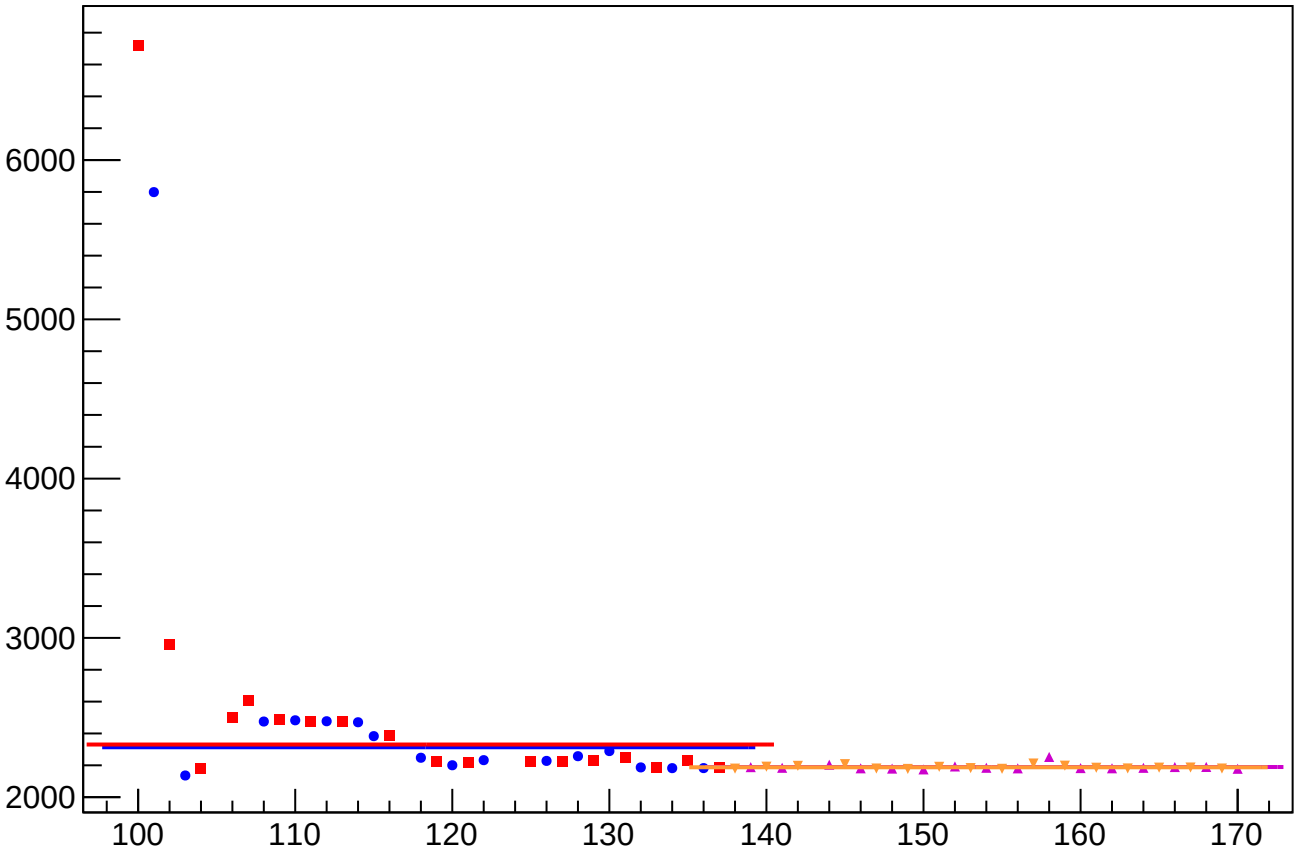
Left: 4025.849+/-430.443 χ^2/NDF: 46.2/31

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.683+/-496.055 χ^2/NDF:42.2/31

Out: 4007.189+/-502.788 χ^2/NDF:33.6/33

All: 4073.316+/-353.120 χ^2/NDF: 75.8/65



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.704+/-0.435 χ^2/NDF:545.3/15

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

Left: 2188.548+/-0.304 χ^2/NDF: 2298.1/31

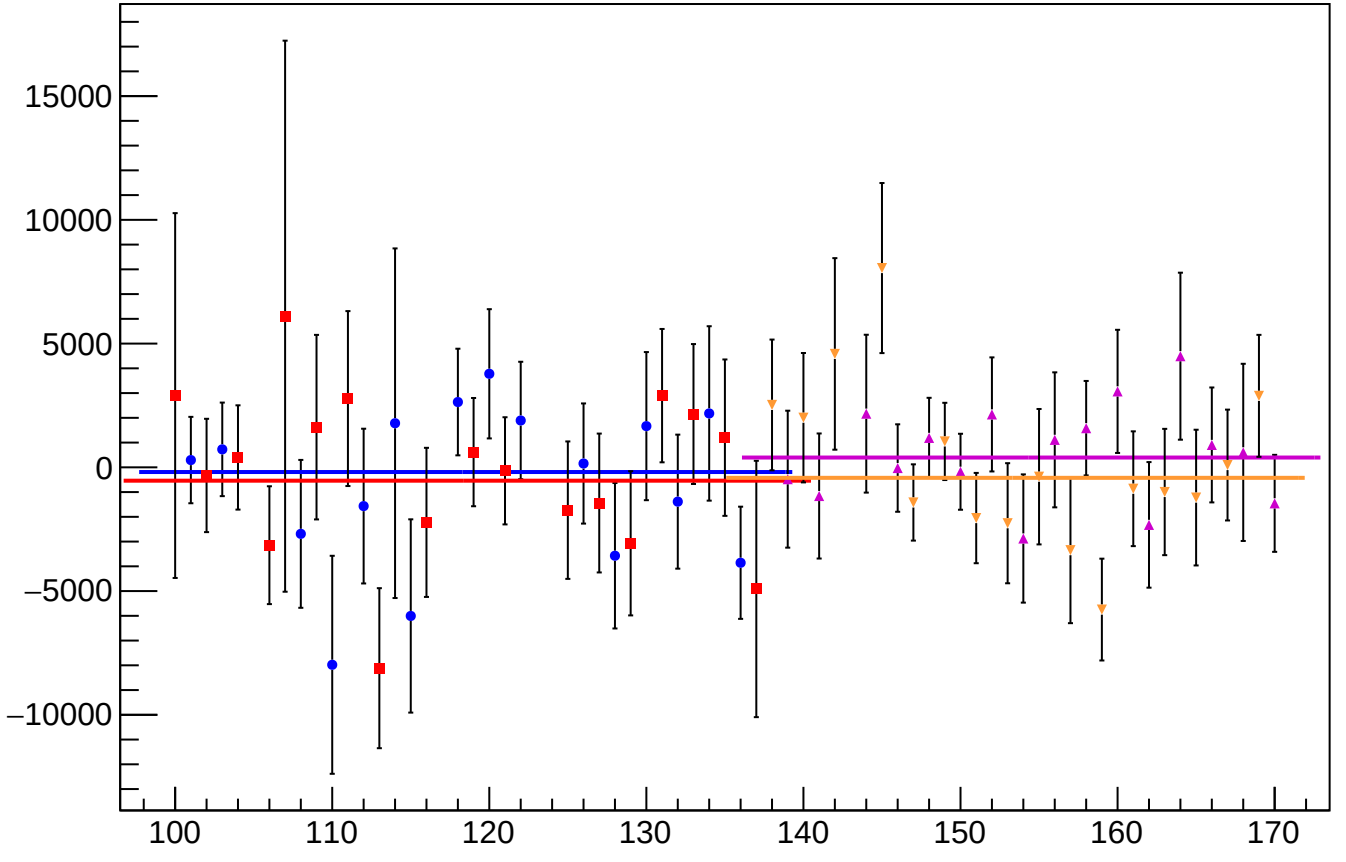
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2229.213+/-0.351 χ^2/NDF:541394.6/31

Out: 2235.260+/-0.356 χ^2/NDF:187961.7/33

All: 2232.196+/-0.250 χ^2/NDF: 729502.9/65

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: -424.420+/-571.242 χ^2/NDF:22.2/15

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 395.715+/-560.190 χ^2/NDF:8.6/15

Left: -6.342+/-399.964 χ^2/NDF: 31.9/31

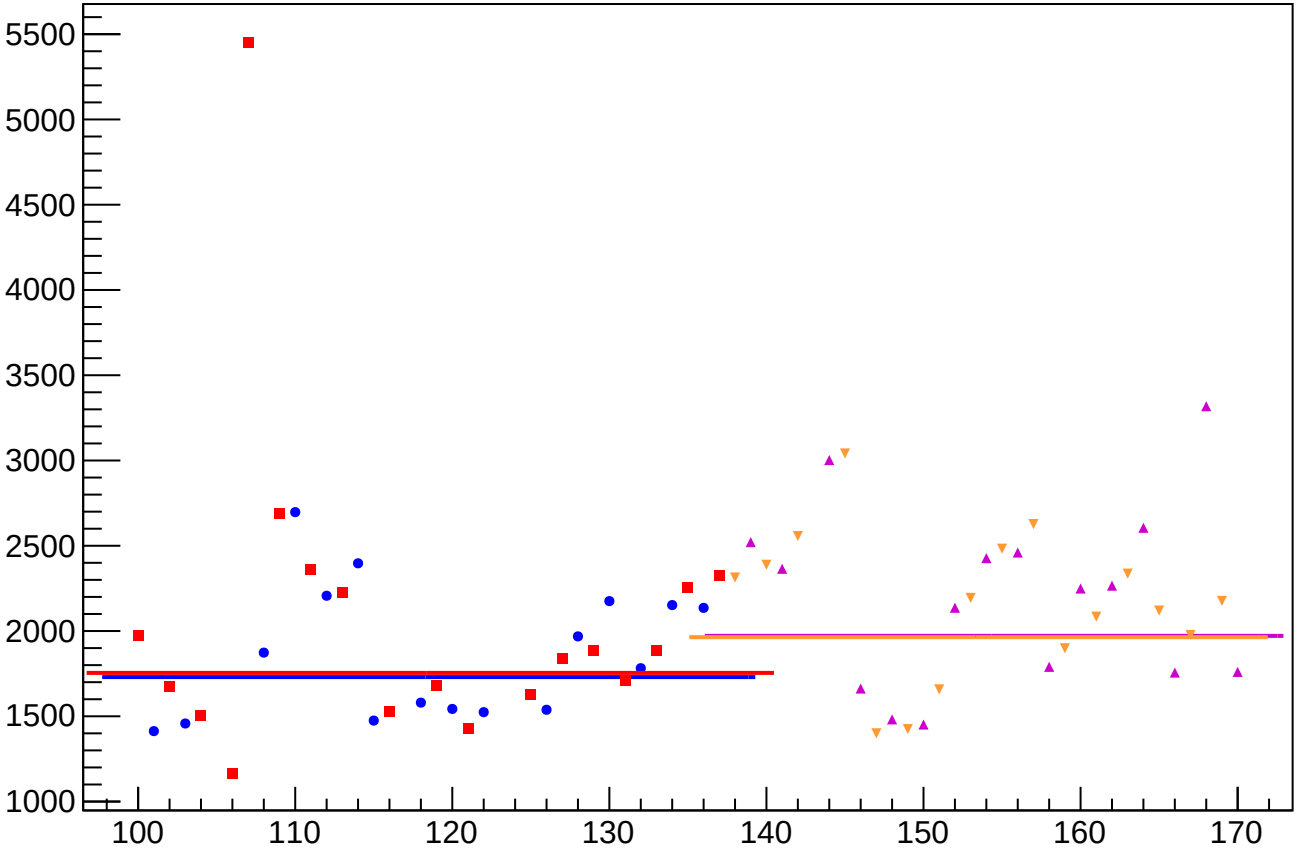
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 149.773+/-426.602 χ^2/NDF:25.5/31

Out: -472.186+/-436.913 χ^2/NDF:36.2/33

All: -153.781+/-305.233 χ^2/NDF: 62.7/65

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: 1963.824+/-0.404 χ^2/NDF:1156403.4/15

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

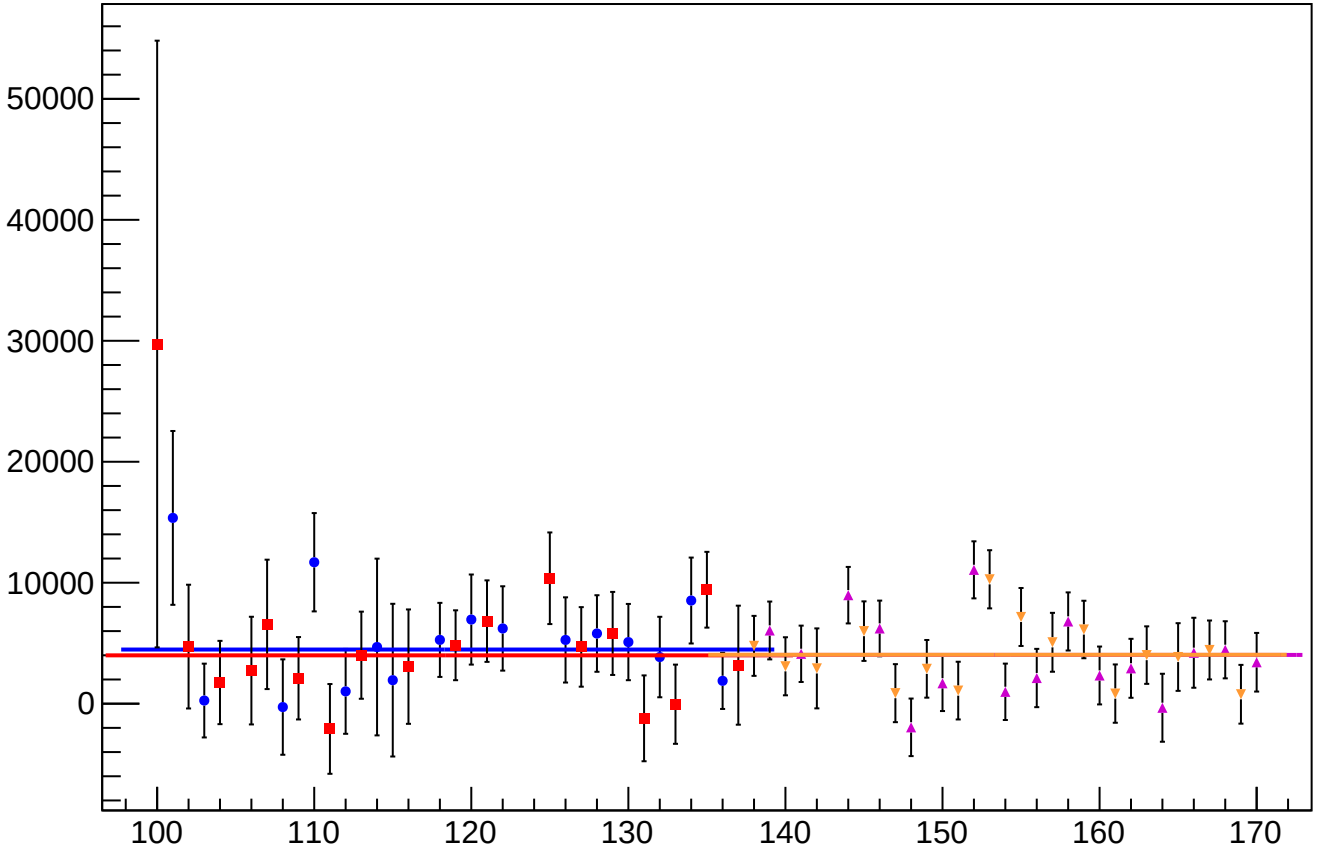
Left: 1967.765+/-0.283 χ^2/NDF: 2566998.5/31

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1870.041+/-0.302 χ^2/NDF:2046649.3/31

Out: 1876.964+/-0.309 χ^2/NDF:2018836.6/33

All: 1873.420+/-0.216 χ^2/NDF: 4065742.9/65



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4042.459+/-617.090 χ^2/NDF:17.5/15

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4031.023+/-603.519 χ^2/NDF:29.3/15

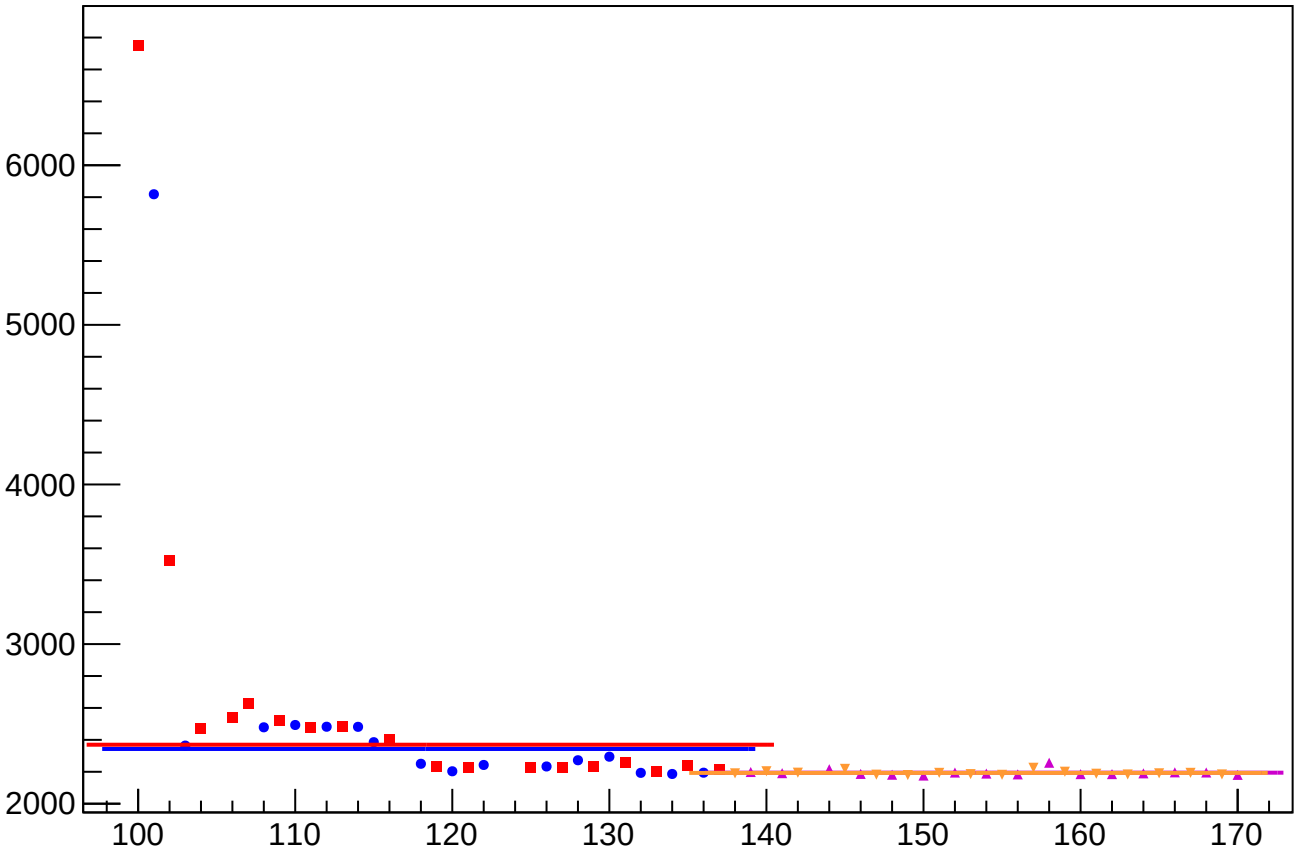
Left: 4036.613+/-431.471 χ^2/NDF: 46.8/31

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4172.171+/-498.809 χ^2/NDF:43.0/31

Out: 4027.322+/-507.198 χ^2/NDF:33.0/33

All: 4100.954+/-355.640 χ^2/NDF: 76.0/65



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.986+/-0.436 χ^2/NDF:872.3/15

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2194.366+/-0.427 χ^2/NDF:1906.7/15

Left: 2193.691+/-0.305 χ^2/NDF: 2784.1/31

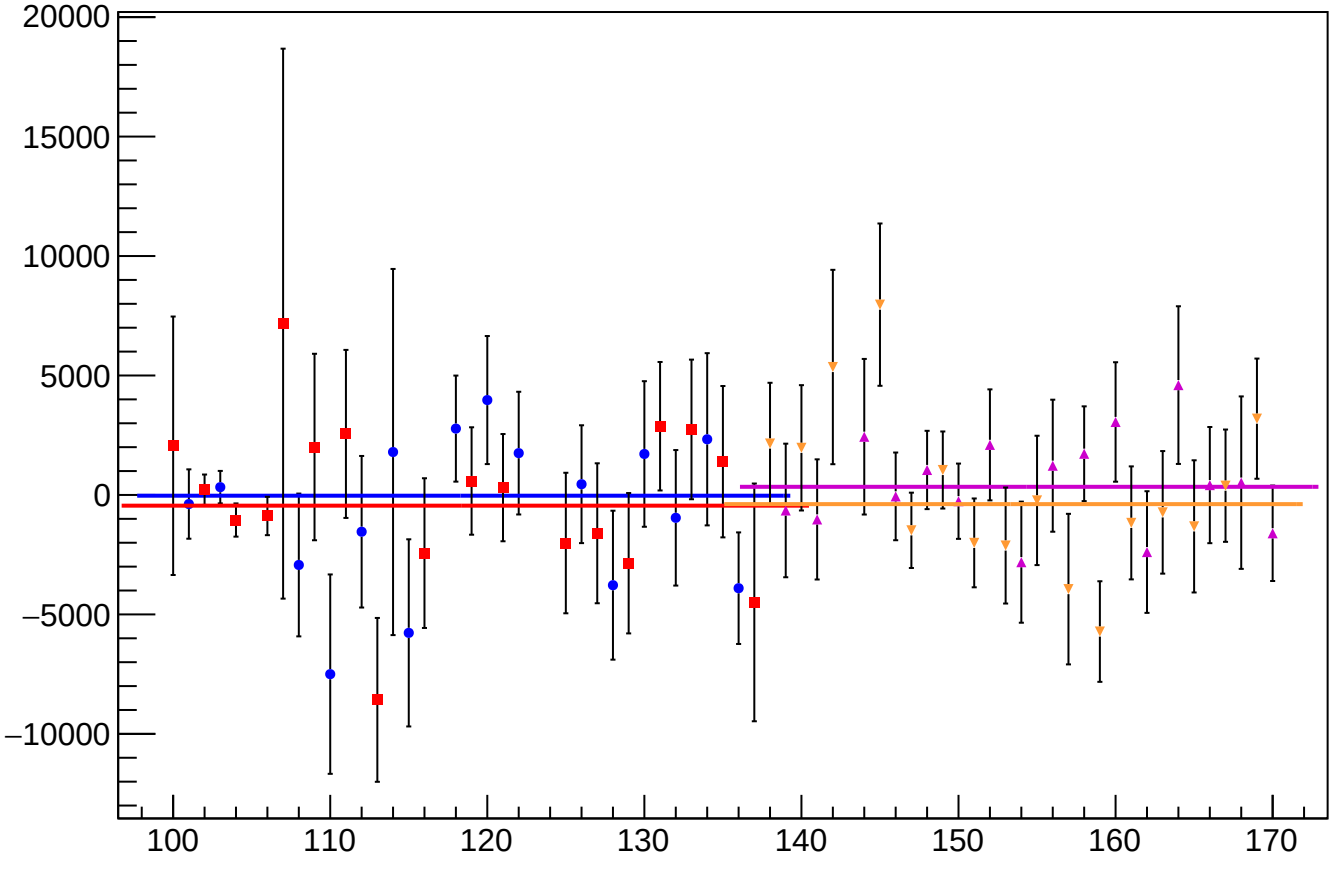
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2241.440+/-0.353 χ^2/NDF:543170.2/31

Out: 2250.279+/-0.359 χ^2/NDF:264156.4/33

All: 2245.786+/-0.251 χ^2/NDF: 807635.4/65

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: -383.944+/-581.582 χ^2/NDF:22.4/15

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 340.792+/-569.679 χ^2/NDF:8.9/15

Left: -14.083+/-406.967 χ^2/NDF: 32.1/31

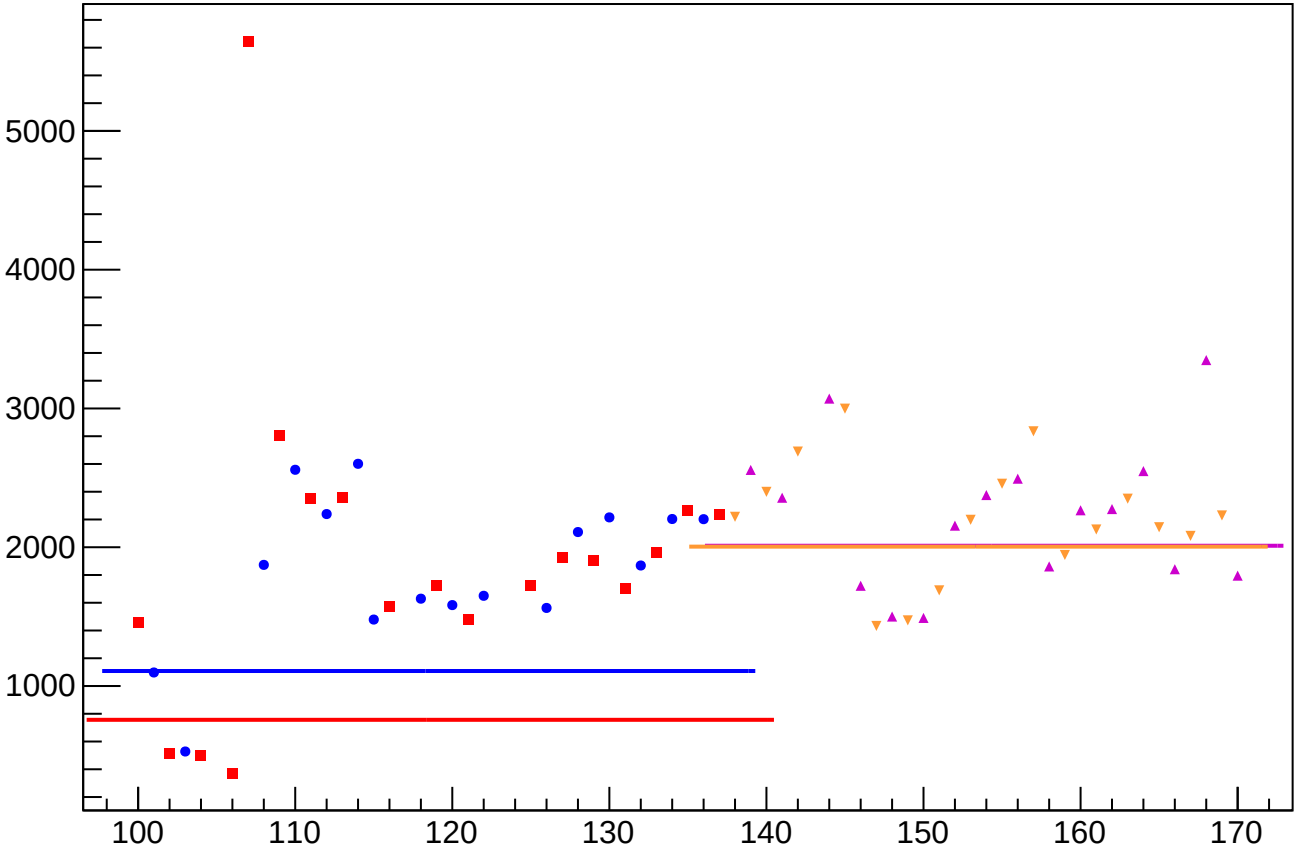
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 125.131+/-369.438 χ^2/NDF:25.4/31

Out: -430.260+/-307.677 χ^2/NDF:37.5/33

All: -202.805+/-236.423 χ^2/NDF: 64.3/65

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2004.388+/-0.411 χ^2/NDF:1099583.8/15

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2010.747+/-0.403 χ^2/NDF:1312699.4/15

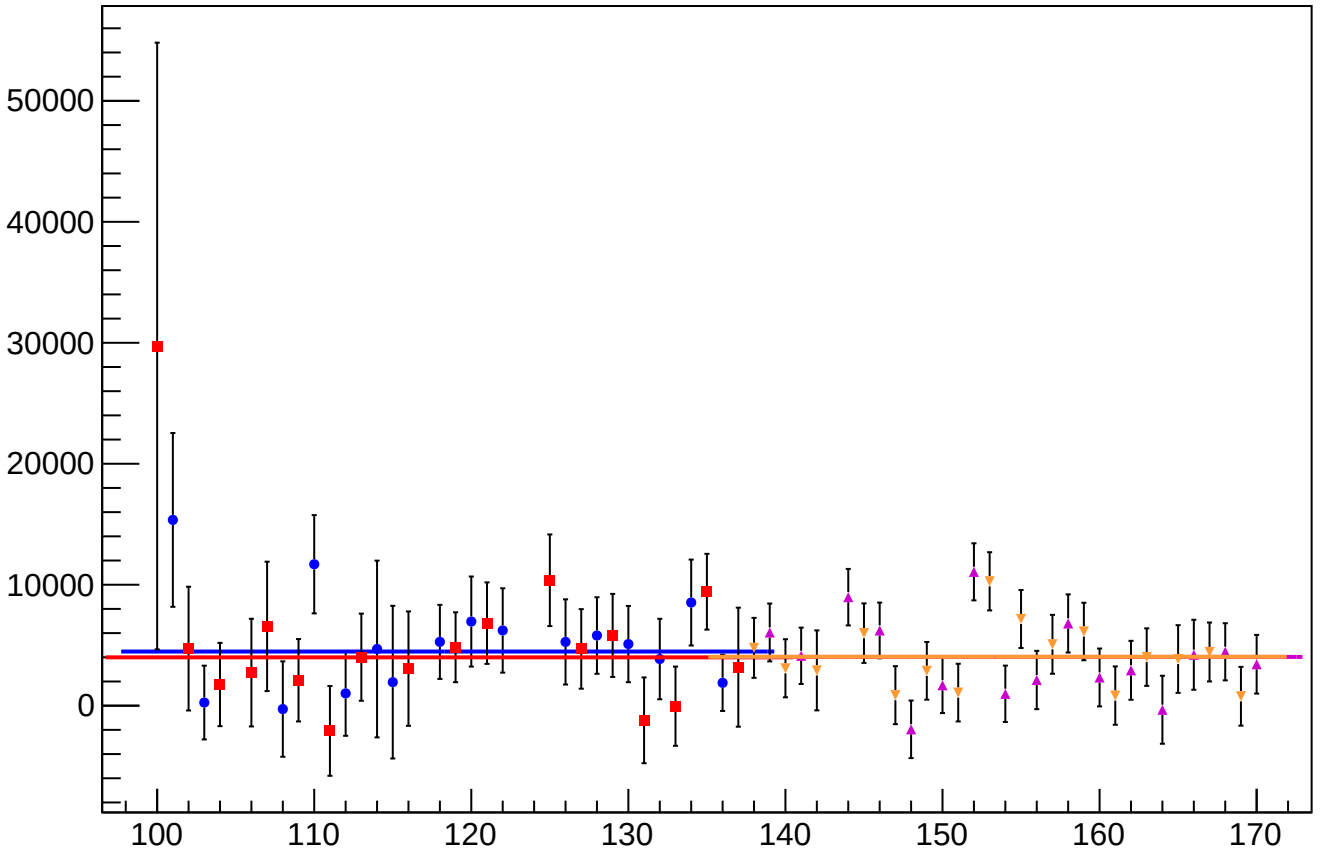
Left: 2007.633+/-0.288 χ^2/NDF: 2412405.1/31

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1487.736+/-0.261 χ^2/NDF:7968416.1/31

Out: 1105.698+/-0.218 χ^2/NDF:13334451.3/33

All: 1262.158+/-0.167 χ^2/NDF: 22565712.8/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4042.456+/-617.090 χ^2/NDF:17.5/15

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4031.024+/-603.519 χ^2/NDF:29.3/15

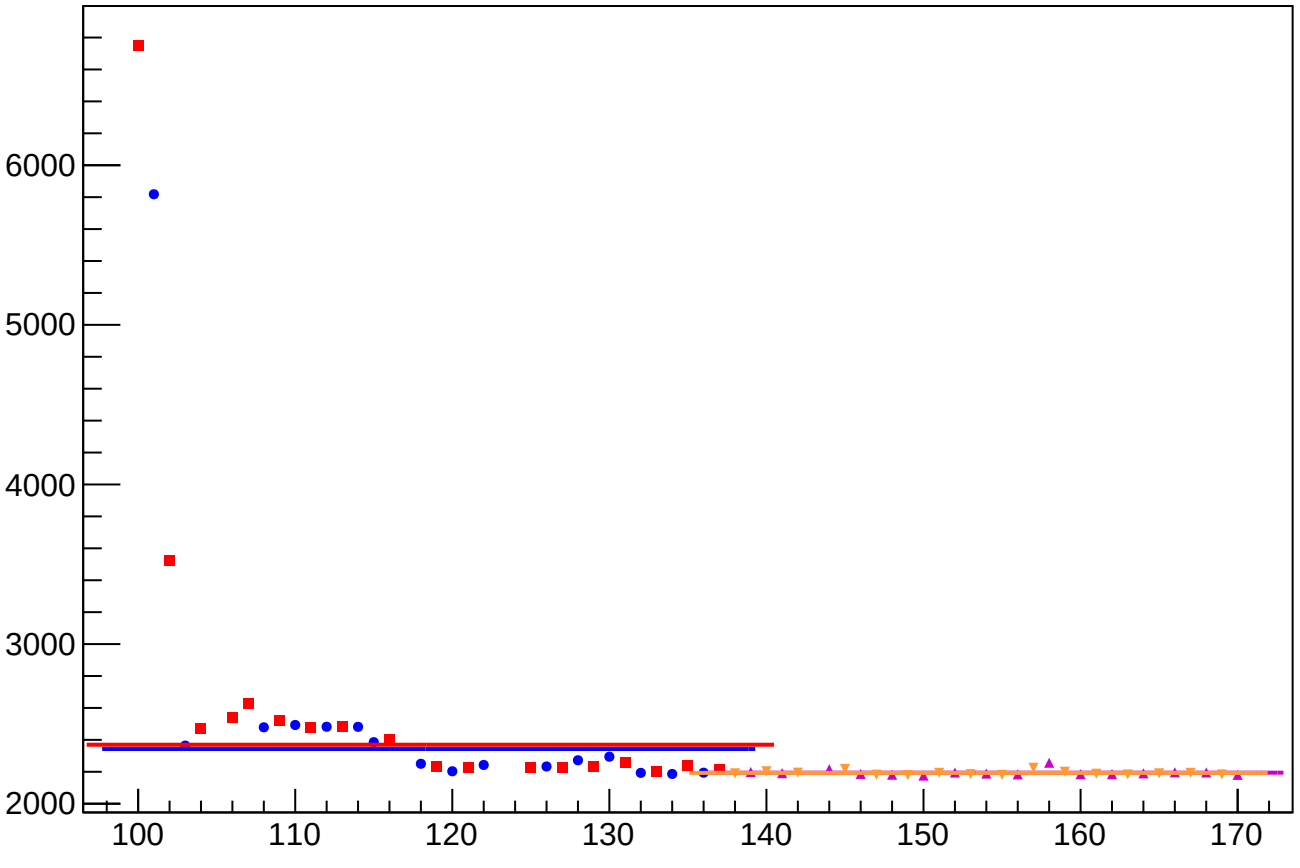
Left: 4036.613+/-431.471 χ^2/NDF: 46.8/31

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4172.170+/-498.809 χ^2/NDF:43.0/31

Out: 4027.320+/-507.198 χ^2/NDF:33.0/33

All: 4100.953+/-355.640 χ^2/NDF: 76.0/65



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.986+/-0.436 χ^2/NDF:872.3/15

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2194.366+/-0.427 χ^2/NDF:1906.7/15

Left: 2193.691+/-0.305 χ^2/NDF: 2784.1/31

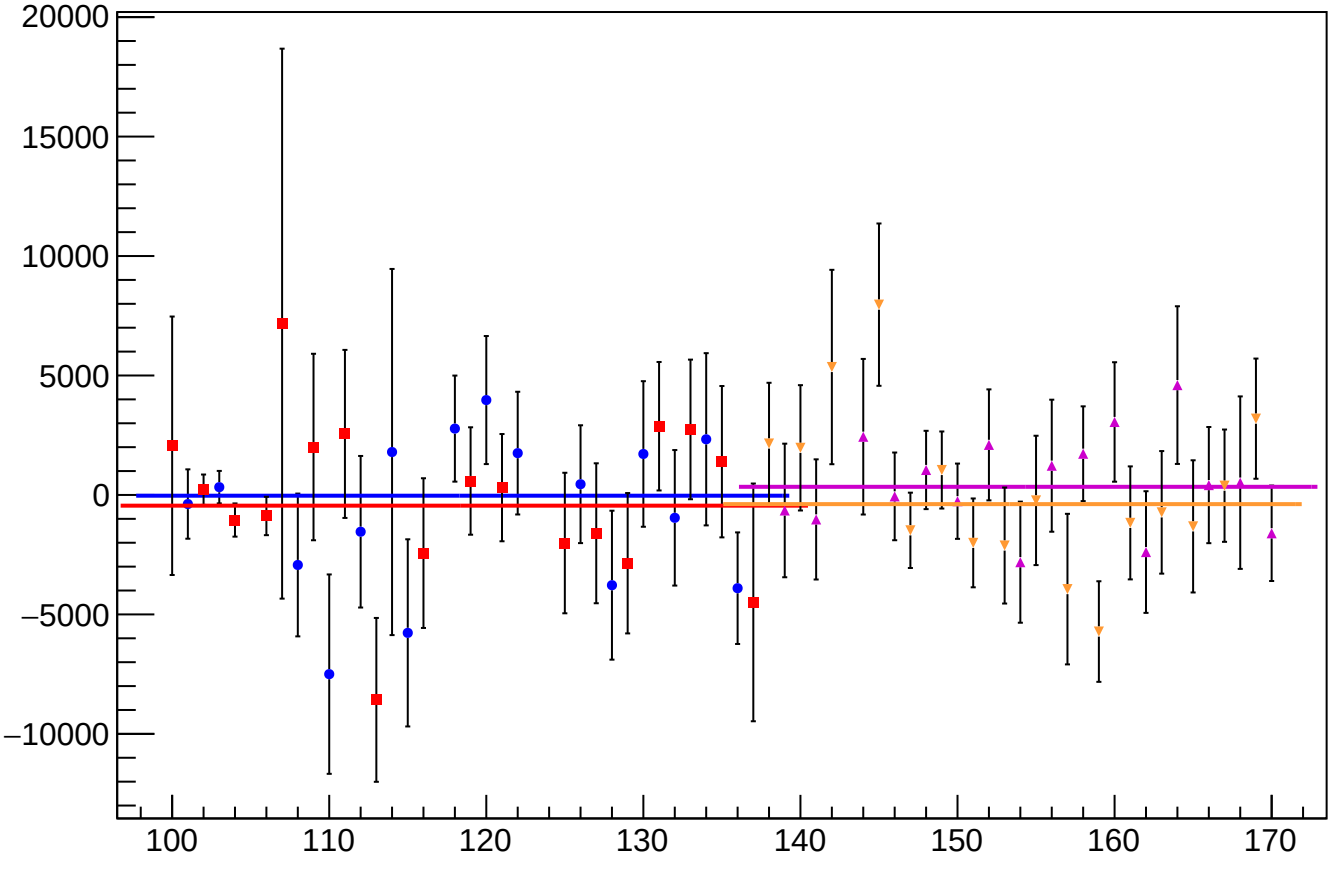
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2241.440+/-0.353 χ^2/NDF:543169.9/31

Out: 2250.279+/-0.359 χ^2/NDF:264155.0/33

All: 2245.786+/-0.251 χ^2/NDF: 807633.7/65

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -383.948+/-581.583 χ^2/NDF:22.4/15

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 340.793+/-569.680 χ^2/NDF:8.9/15

Left: -14.085+/-406.968 χ^2/NDF: 32.1/31

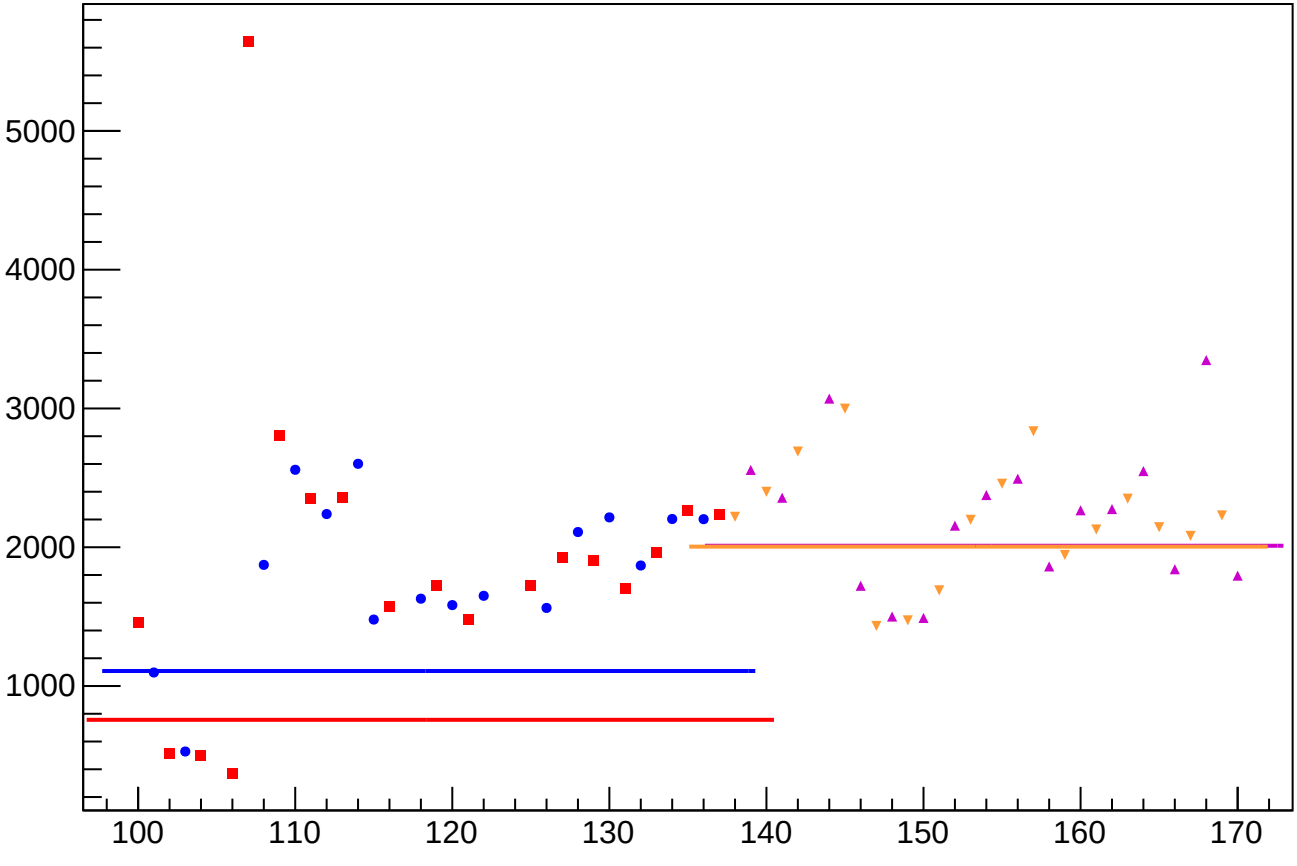
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 125.129+/-369.440 χ^2/NDF:25.4/31

Out: -430.264+/-307.680 χ^2/NDF:37.5/33

All: -202.806+/-236.425 χ^2/NDF: 64.3/65

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: 2004.392+/-0.411 χ^2/NDF:1099583.7/15

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2010.751+/-0.403 χ^2/NDF:1312698.5/15

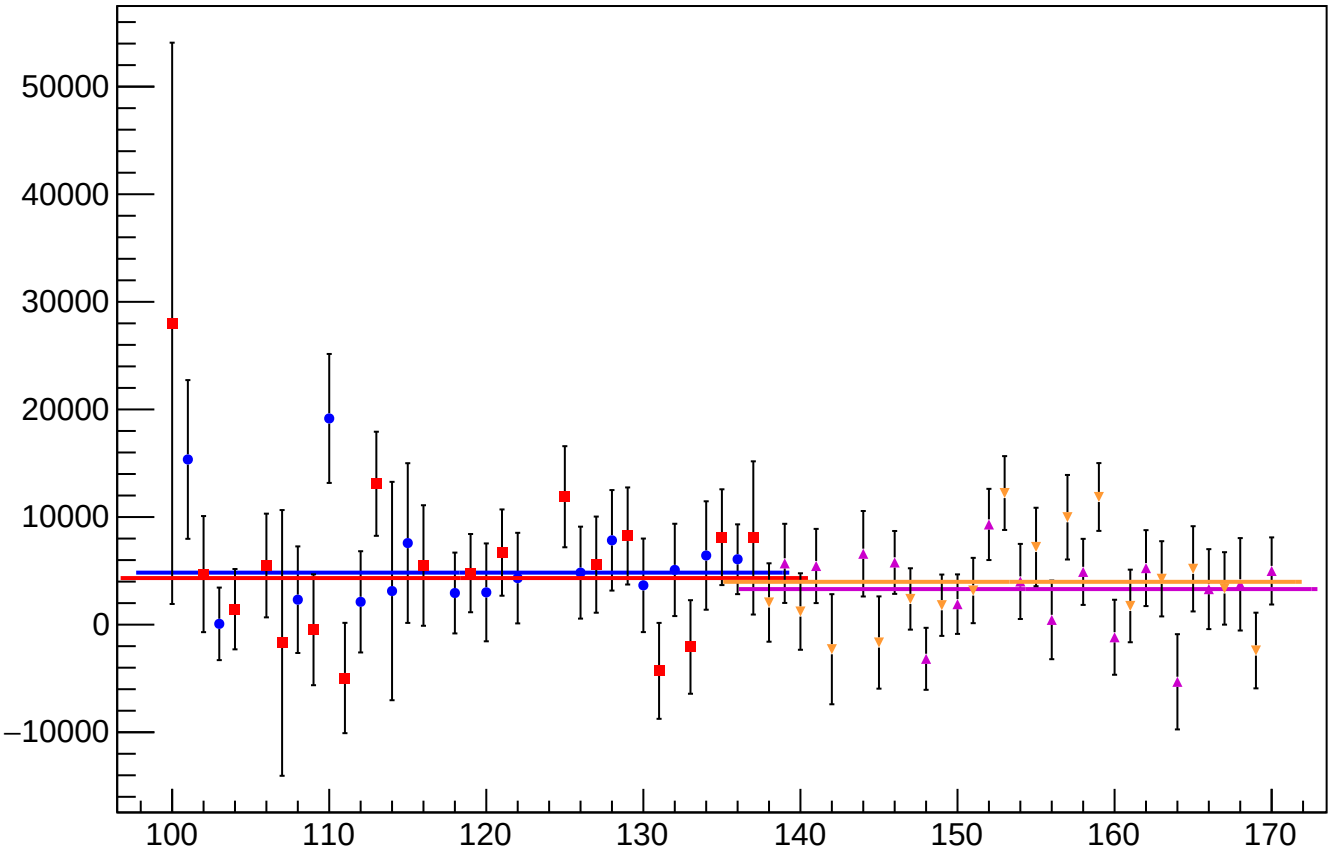
Left: 2007.637+/-0.288 χ^2/NDF: 2412404.2/31

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1487.745+/-0.261 χ^2/NDF:7968281.4/31

Out: 1105.715+/-0.218 χ^2/NDF:13334145.2/33

All: 1262.173+/-0.167 χ^2/NDF: 22565198.1/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3979.653+/-867.125 χ^2/NDF:24.1/15

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3304.674+/-849.001 χ^2/NDF:17.8/15

Left: 3635.036+/-606.641 χ^2/NDF: 42.2/31

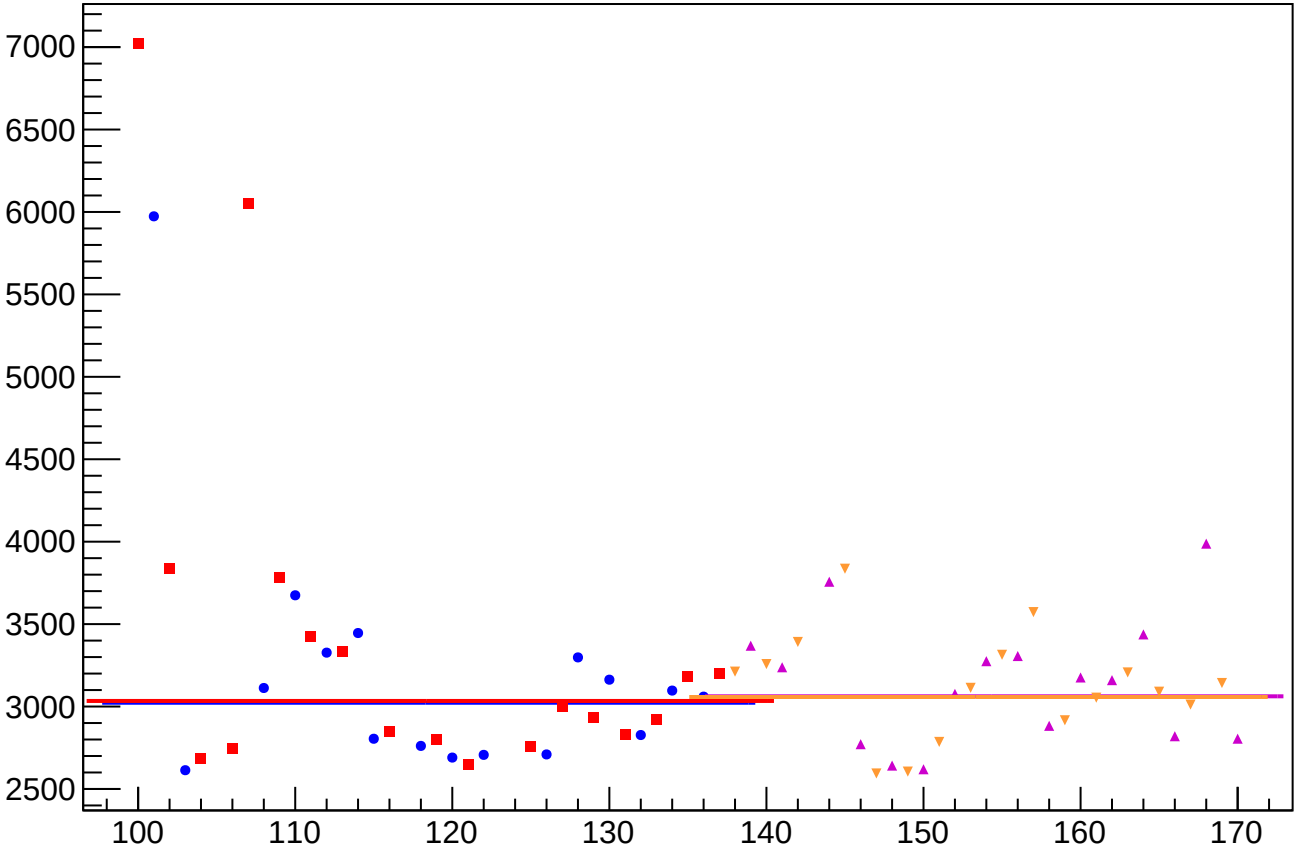
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3848.653+/-681.456 χ^2/NDF:30.6/31

Out: 4106.904+/-691.165 χ^2/NDF:44.1/33

All: 3975.952+/-485.258 χ^2/NDF: 74.8/65

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3057.858+/-0.613 χ^2/NDF:257771.2/15

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3062.042+/-0.600 χ^2/NDF:350230.3/15

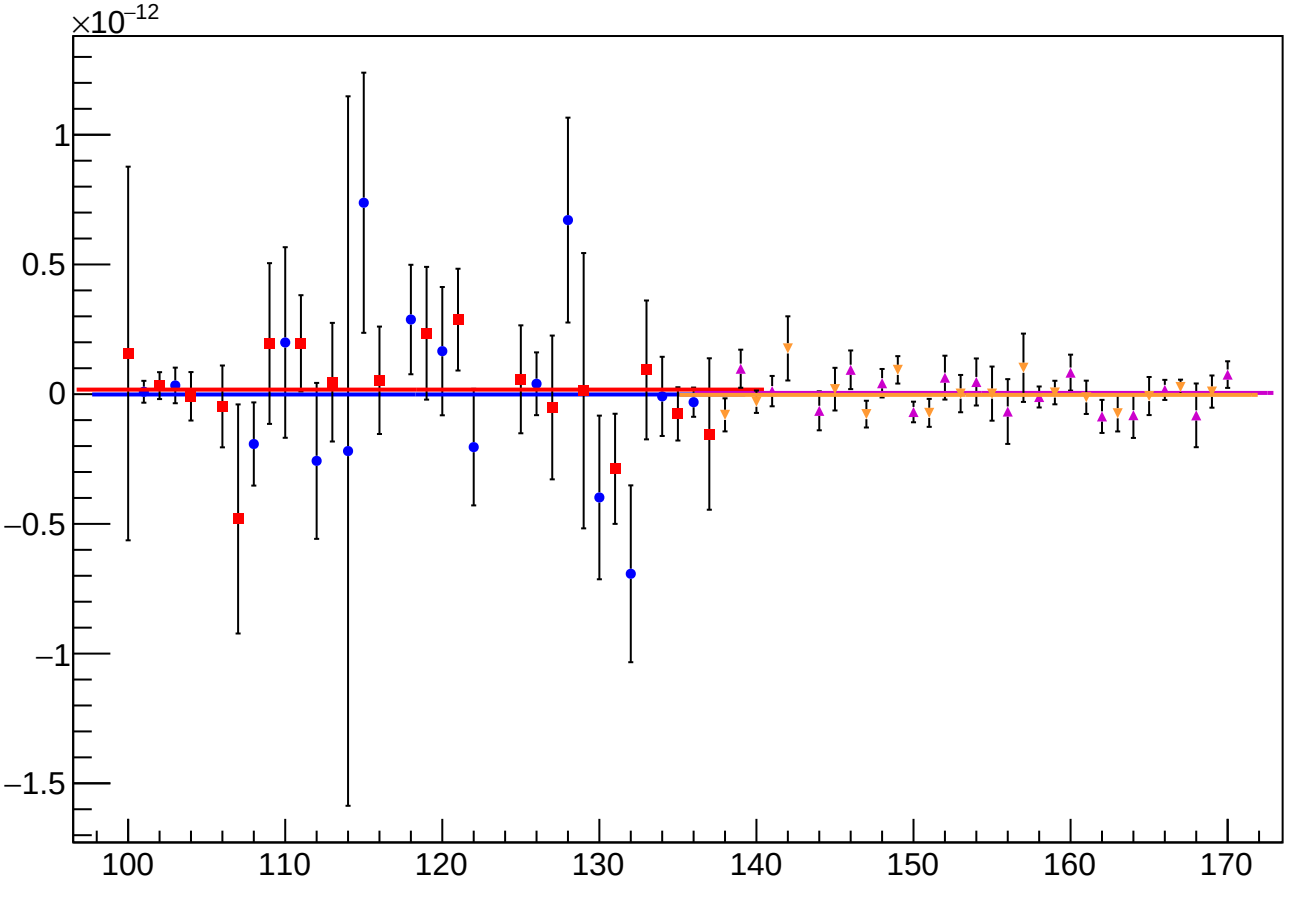
Left: 3059.994+/-0.429 χ^2/NDF: 608025.2/31

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3048.177+/-0.482 χ^2/NDF:795435.3/31

Out: 3049.110+/-0.489 χ^2/NDF:601004.1/33

All: 3048.637+/-0.343 χ^2/NDF: 1396441.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/15

Left: 0.000+/-0.000 χ^2/NDF: 29.8/31

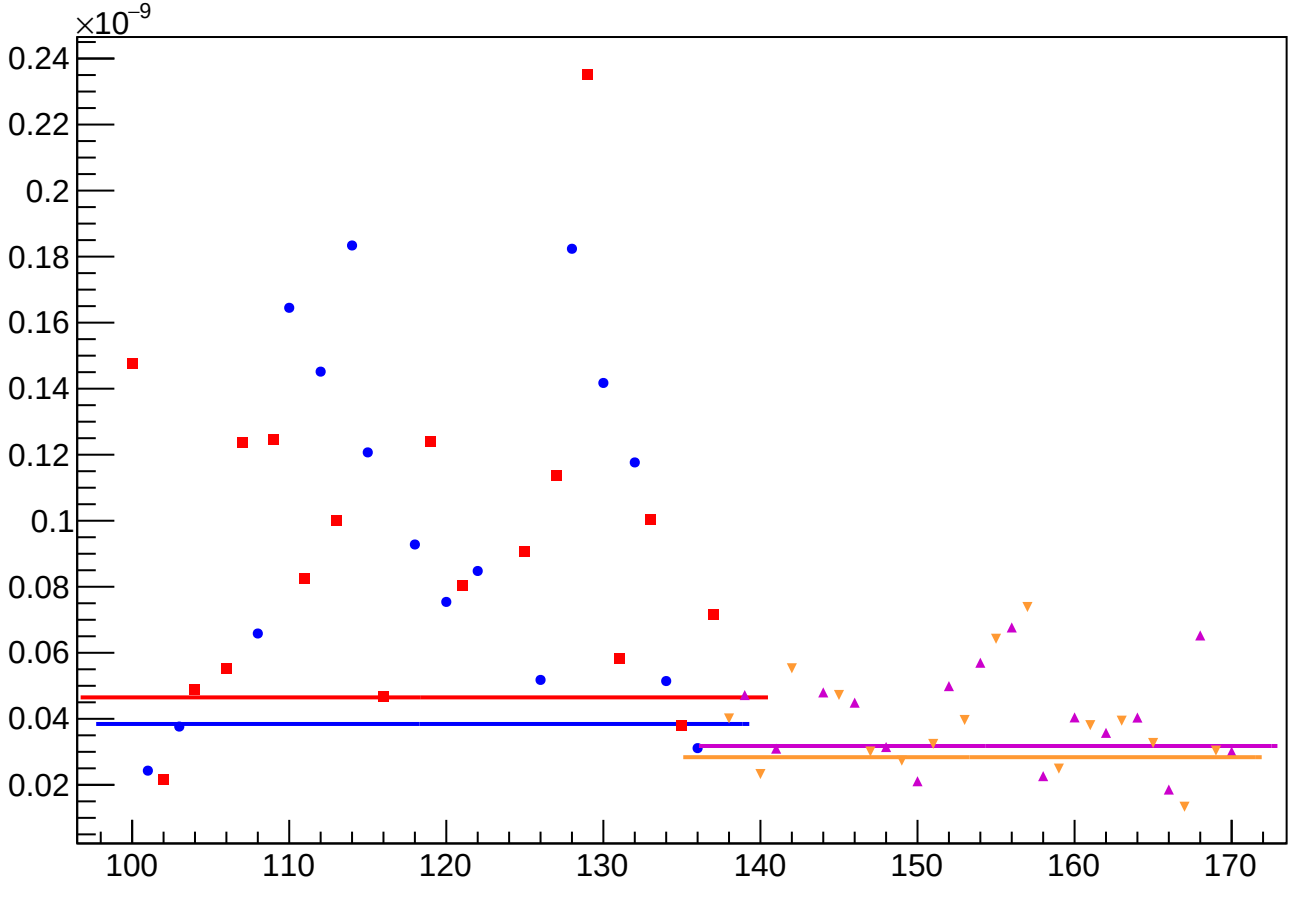
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:32.8/31

Out: 0.000+/-0.000 χ^2/NDF:23.3/33

All: 0.000+/-0.000 χ^2/NDF: 56.1/65

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510213.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1344775.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2909201.4/31

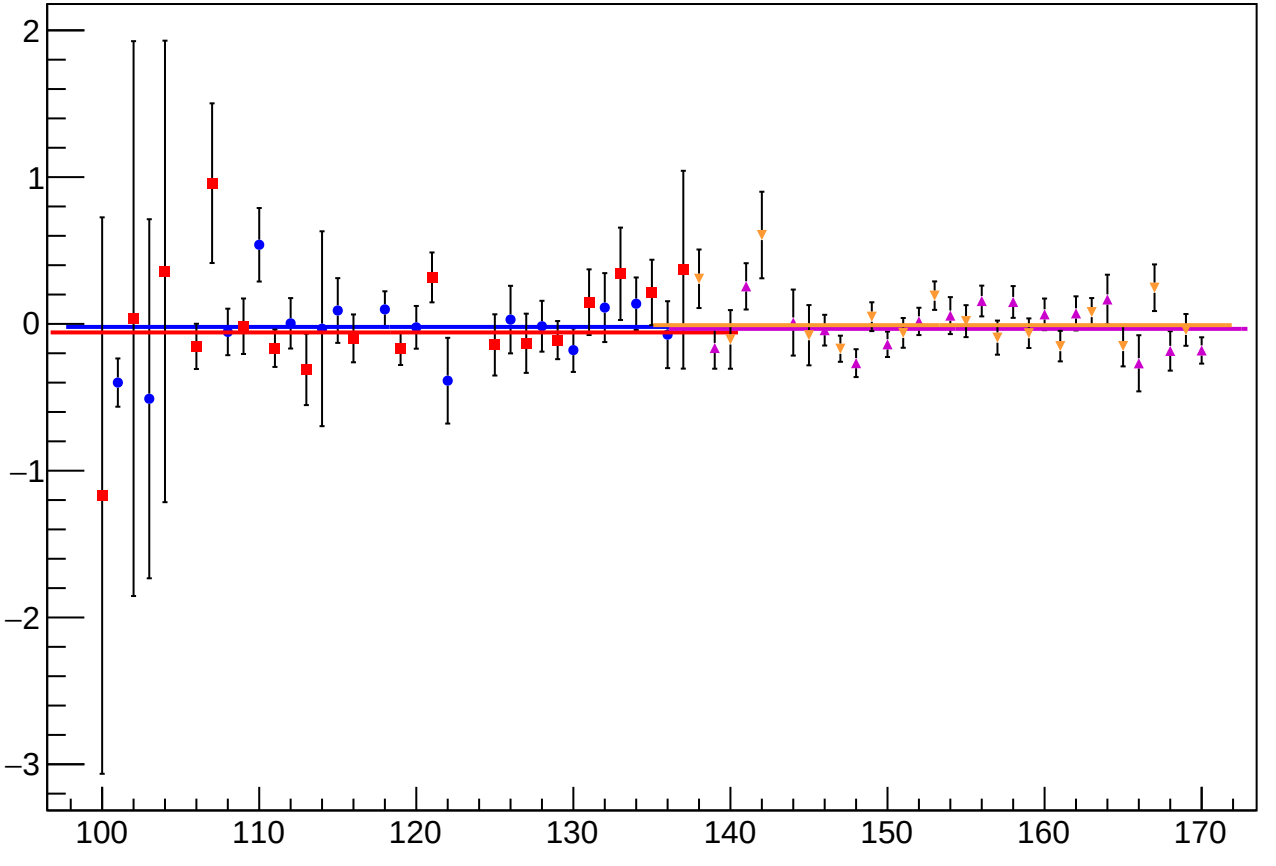
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3208240.7/31

Out: 0.000+/-0.000 χ^2/NDF:3679559.4/33

All: 0.000+/-0.000 χ^2/NDF: 6920209.5/65

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: -0.009+/-0.029 χ^2/NDF:22.7/15

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.034+/-0.029 χ^2/NDF:27.3/15

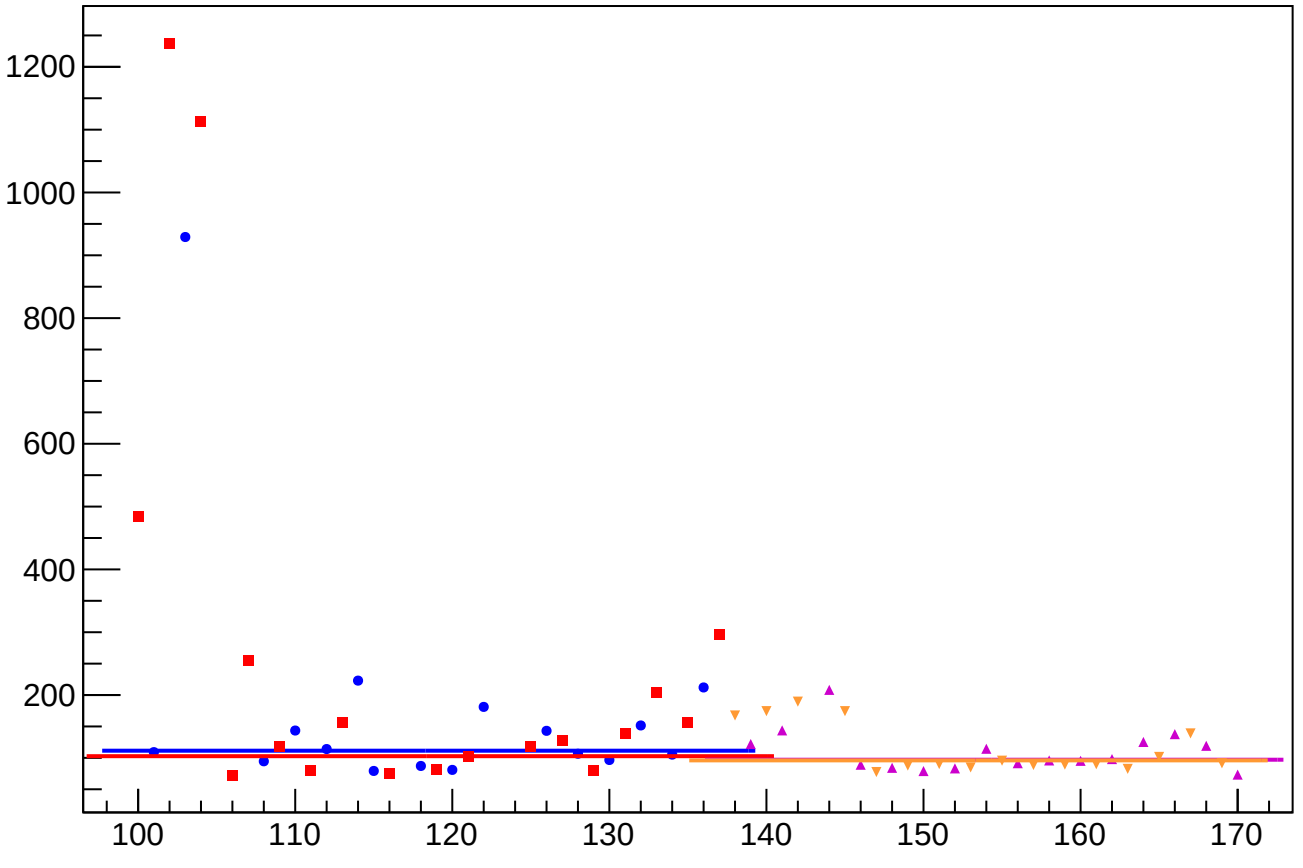
Left: -0.021+/-0.021 χ^2/NDF: 50.4/31

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.023+/-0.025 χ^2/NDF:40.4/33

All: -0.027+/-0.018 χ^2/NDF: 83.4/65



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.013+/-0.021 χ^2/NDF:1409087.9/15

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.050+/-0.020 χ^2/NDF:1291688.9/15

Left: 96.542+/-0.015 χ^2/NDF: 2702044.8/31

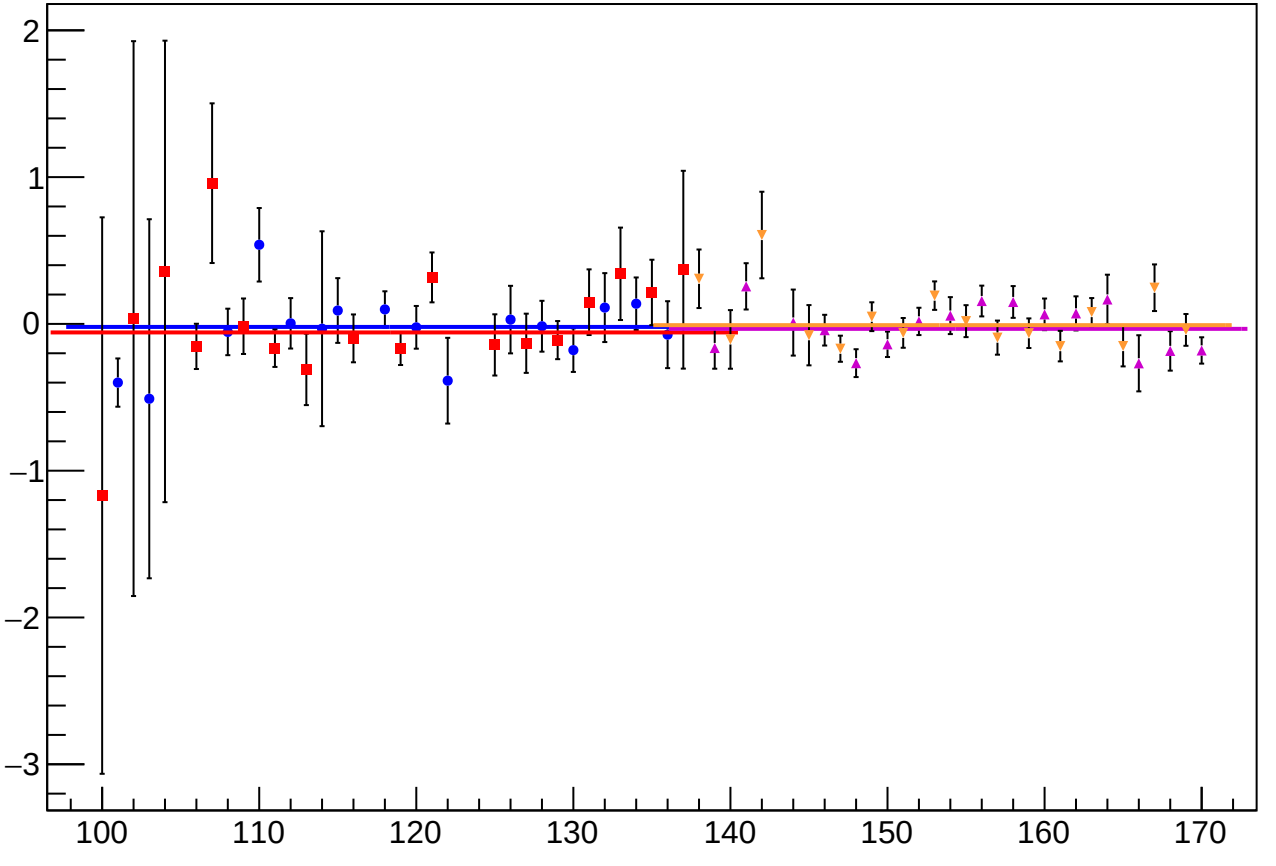
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.900+/-0.017 χ^2/NDF:3264034.6/31

Out: 97.923+/-0.018 χ^2/NDF:4265324.4/33

All: 99.423+/-0.012 χ^2/NDF: 7543822.3/65

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: -0.009+/-0.029 χ^2/NDF:22.7/15

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.021+/-0.021 χ^2/NDF: 50.4/31

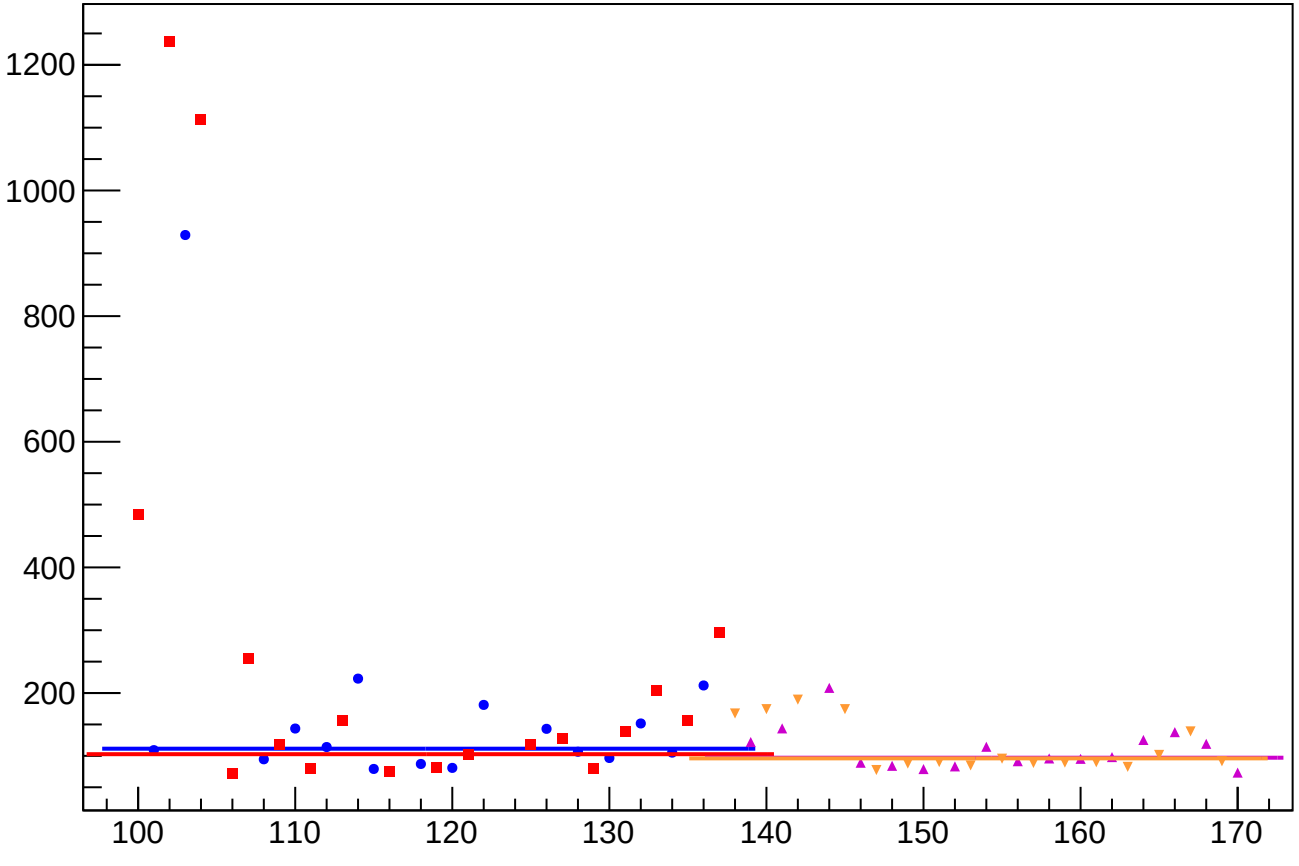
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.023+/-0.025 χ^2/NDF:40.4/33

All: -0.027+/-0.018 χ^2/NDF: 83.4/65

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: 96.013+/-0.021 χ^2/NDF:1409087.9/15

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.050+/-0.020 χ^2/NDF:1291688.9/15

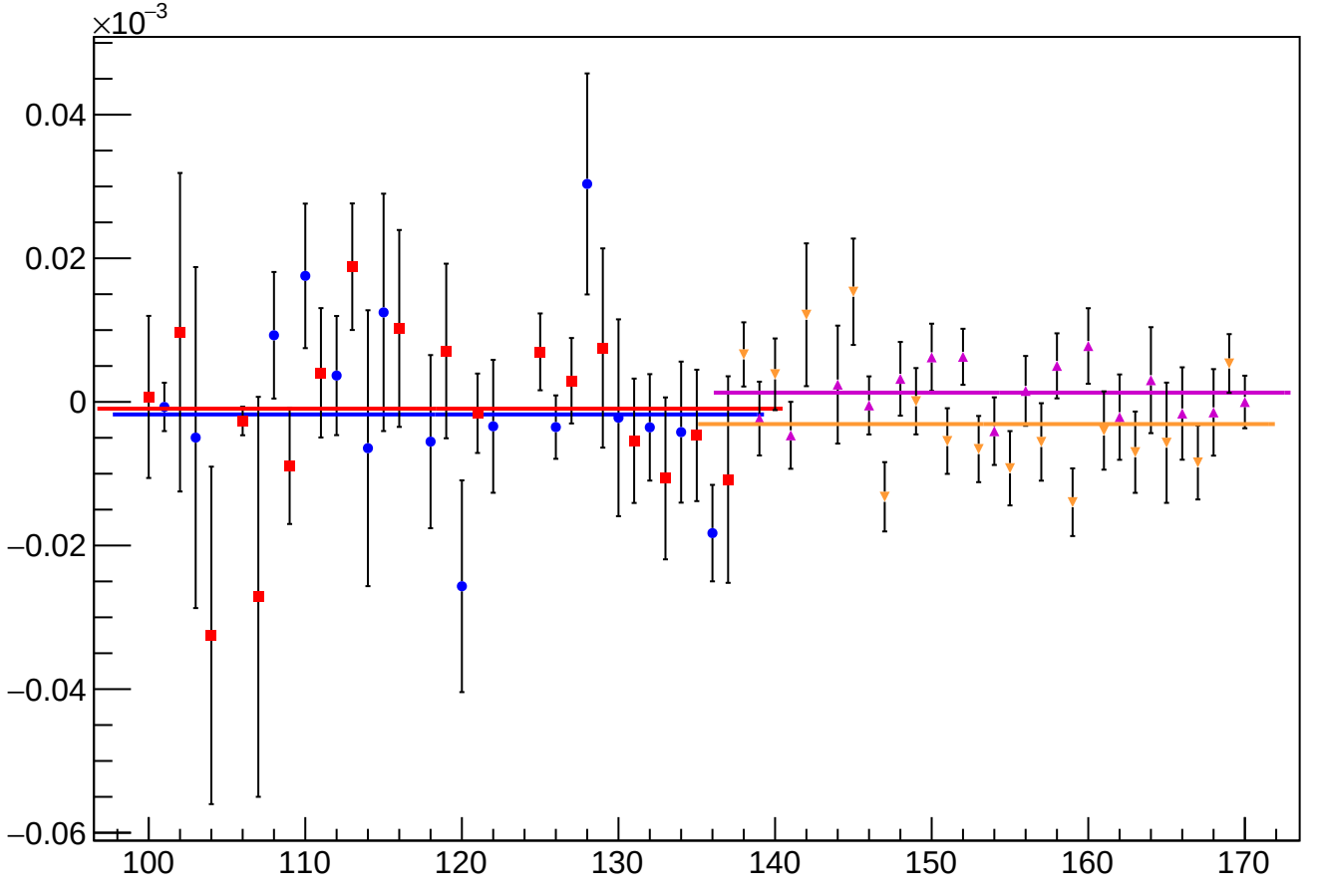
Left: 96.542+/-0.015 χ^2/NDF: 2702044.8/31

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.900+/-0.017 χ^2/NDF:3264034.6/31

Out: 97.923+/-0.018 χ^2/NDF:4265324.4/33

All: 99.423+/-0.012 χ^2/NDF: 7543822.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/15

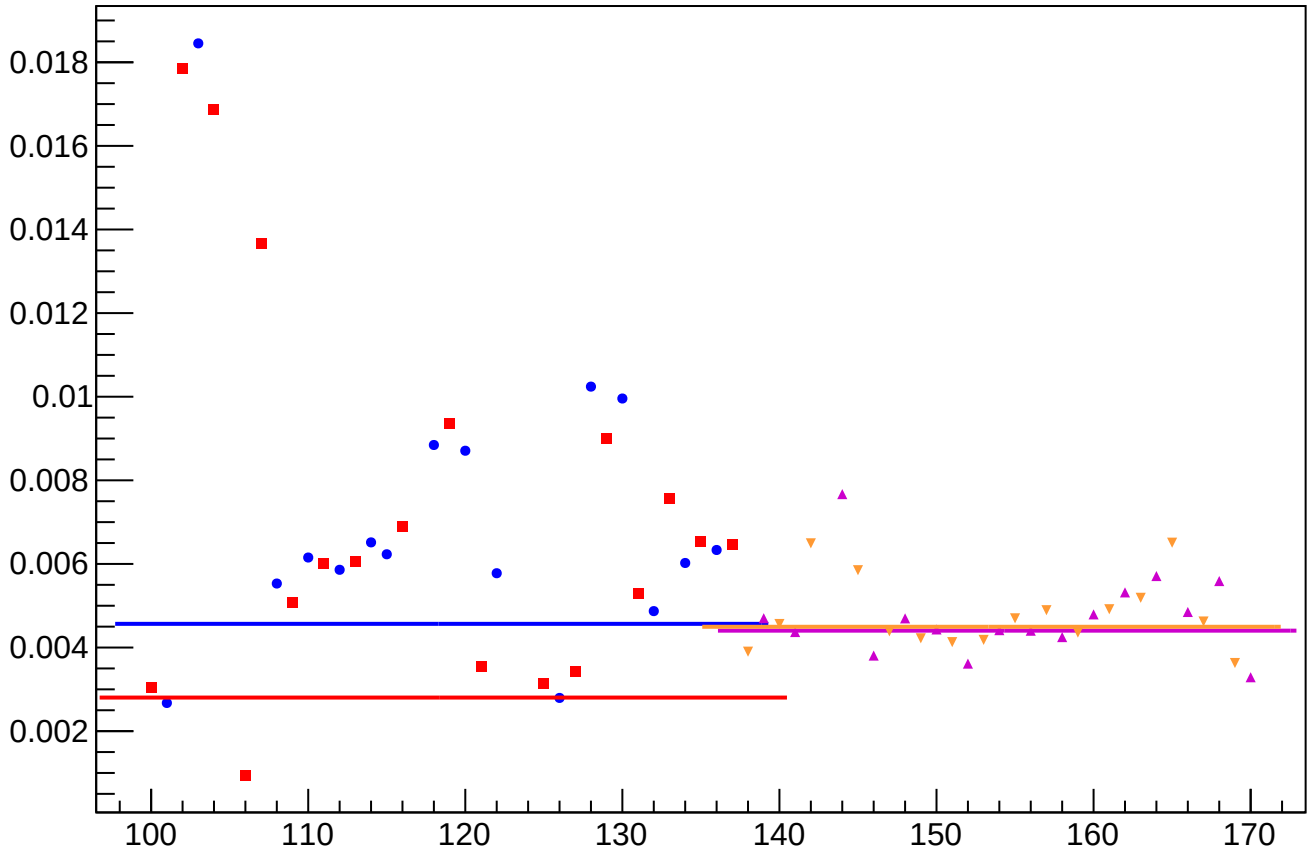
Left: -0.000+/-0.000 χ^2/NDF: 49.4/31

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.4/31

Out: -0.000+/-0.000 χ^2/NDF:50.7/33

All: -0.000+/-0.000 χ^2/NDF: 85.4/65



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:477436.9/15

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:850620.7/15

Left: 0.004+/-0.000 χ^2/NDF: 1333432.9/31

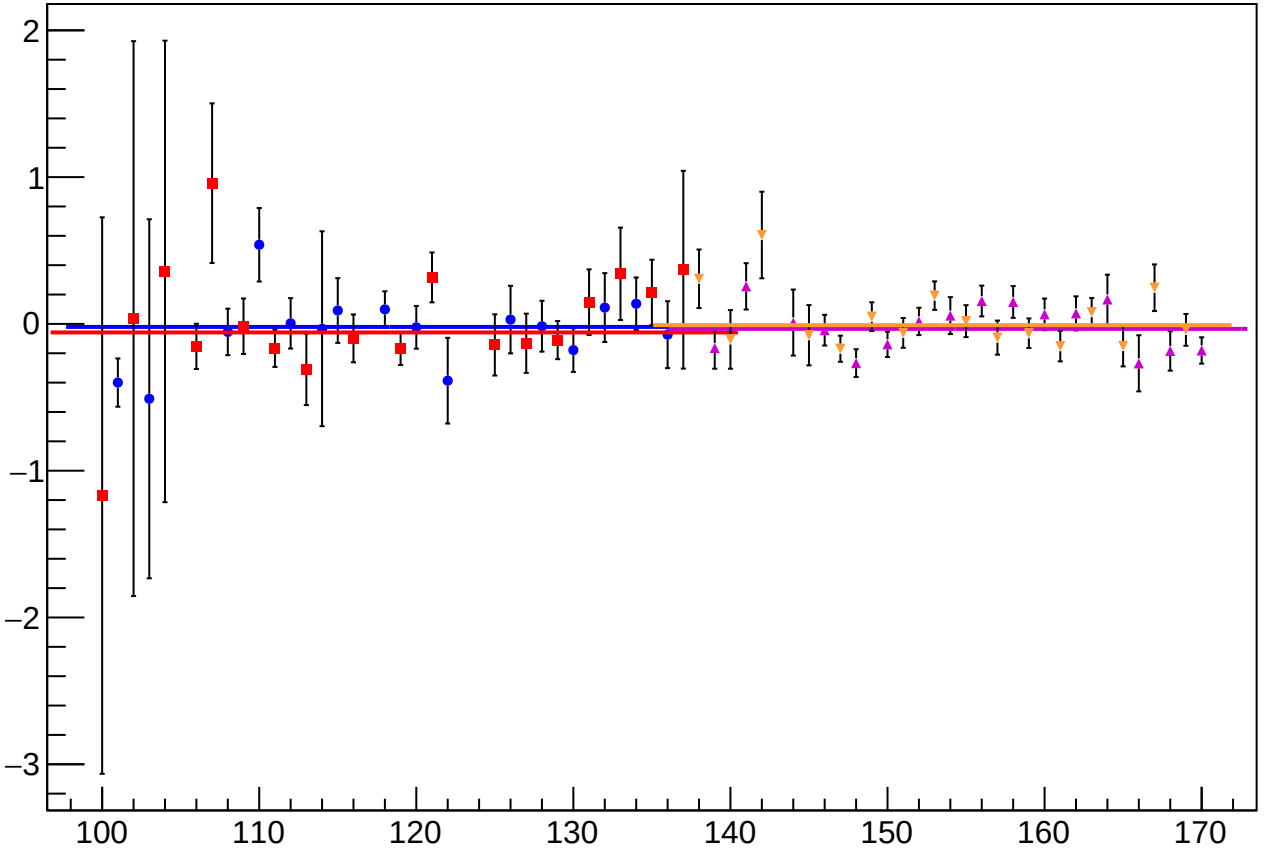
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3872979.7/31

Out: 0.004+/-0.000 χ^2/NDF:8572798.9/33

All: 0.004+/-0.000 χ^2/NDF: 12913925.8/65

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: -0.009+/-0.029 χ^2/NDF:22.7/15

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.021+/-0.021 χ^2/NDF: 50.4/31

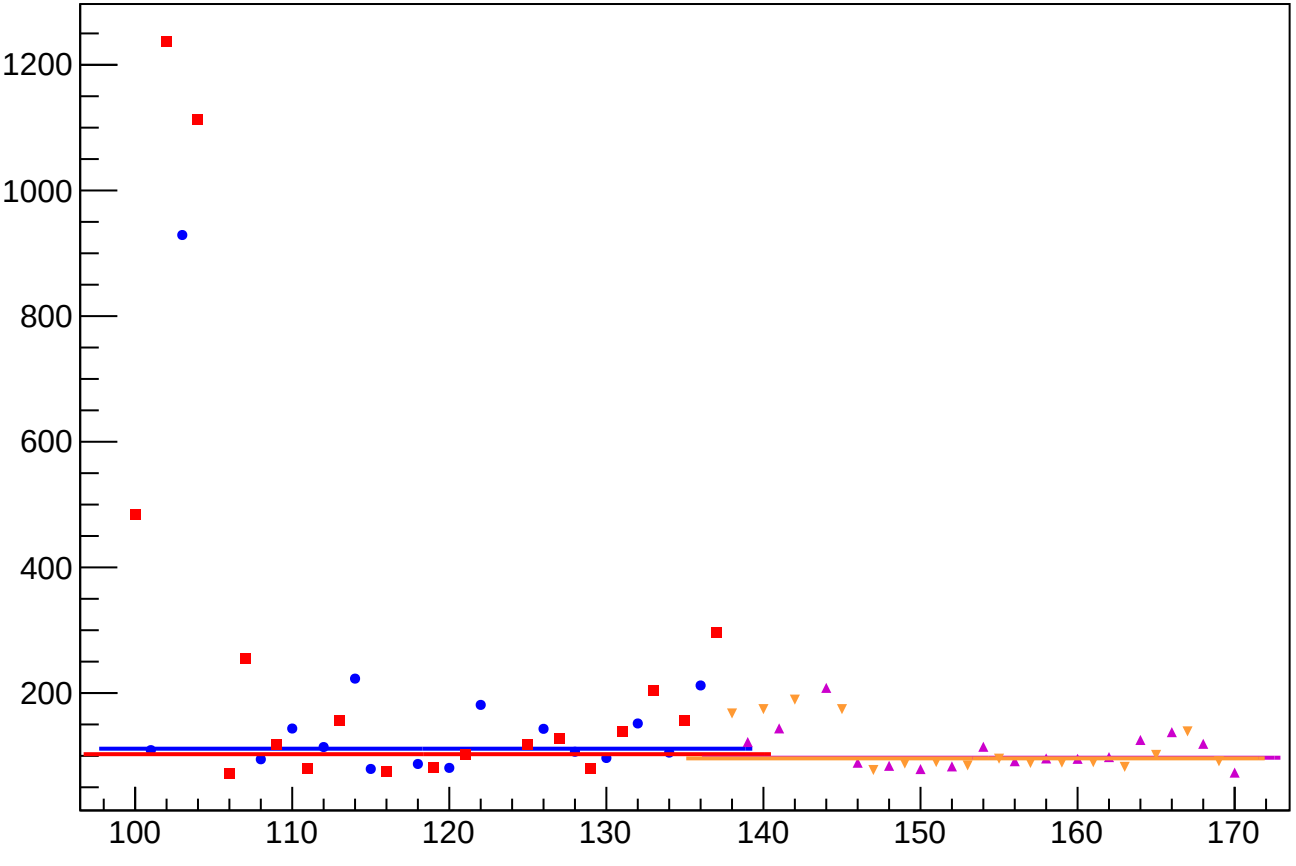
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.023+/-0.025 χ^2/NDF:40.4/33

All: -0.027+/-0.018 χ^2/NDF: 83.4/65

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: 96.013+/-0.021 χ^2/NDF:1409069.6/15

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.051+/-0.020 χ^2/NDF:1291660.9/15

Left: 96.542+/-0.015 χ^2/NDF: 2701998.2/31

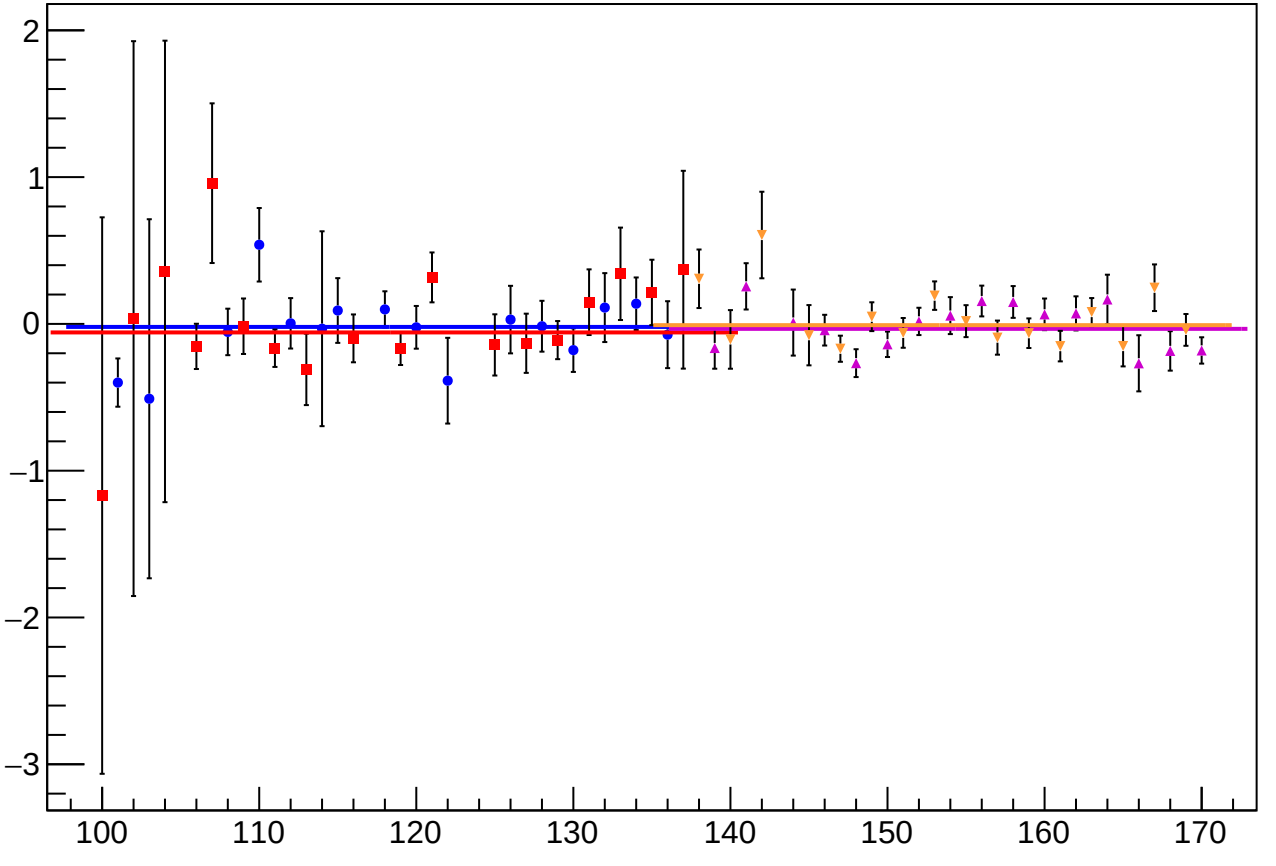
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.900+/-0.017 χ^2/NDF:3263997.2/31

Out: 97.923+/-0.018 χ^2/NDF:4265283.0/33

All: 99.422+/-0.012 χ^2/NDF: 7543741.1/65

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: -0.009+/-0.029 χ^2/NDF:22.7/15

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.021+/-0.021 χ^2/NDF: 50.4/31

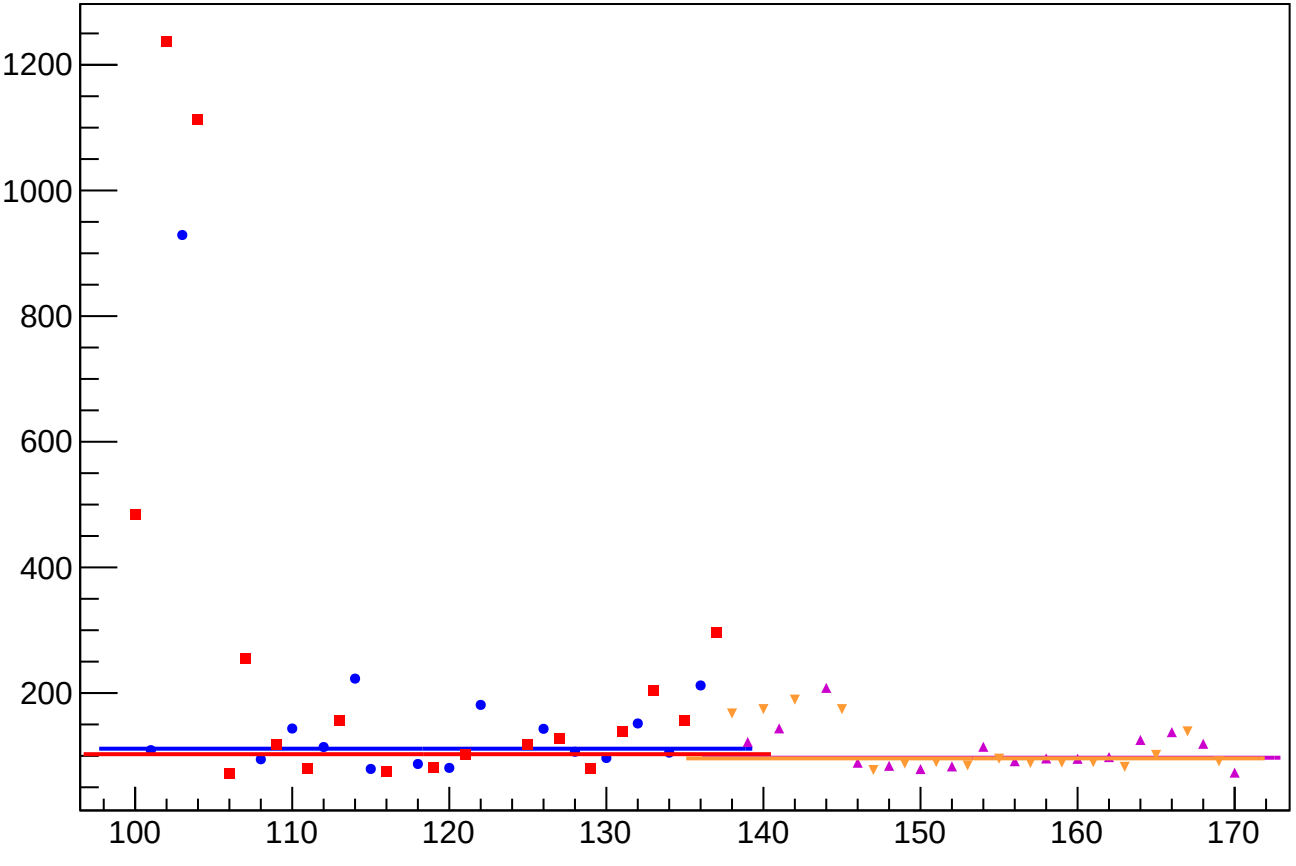
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.023+/-0.025 χ^2/NDF:40.4/33

All: -0.027+/-0.018 χ^2/NDF: 83.4/65

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: 96.013+/-0.021 χ^2/NDF:1409069.6/15

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.051+/-0.020 χ^2/NDF:1291660.9/15

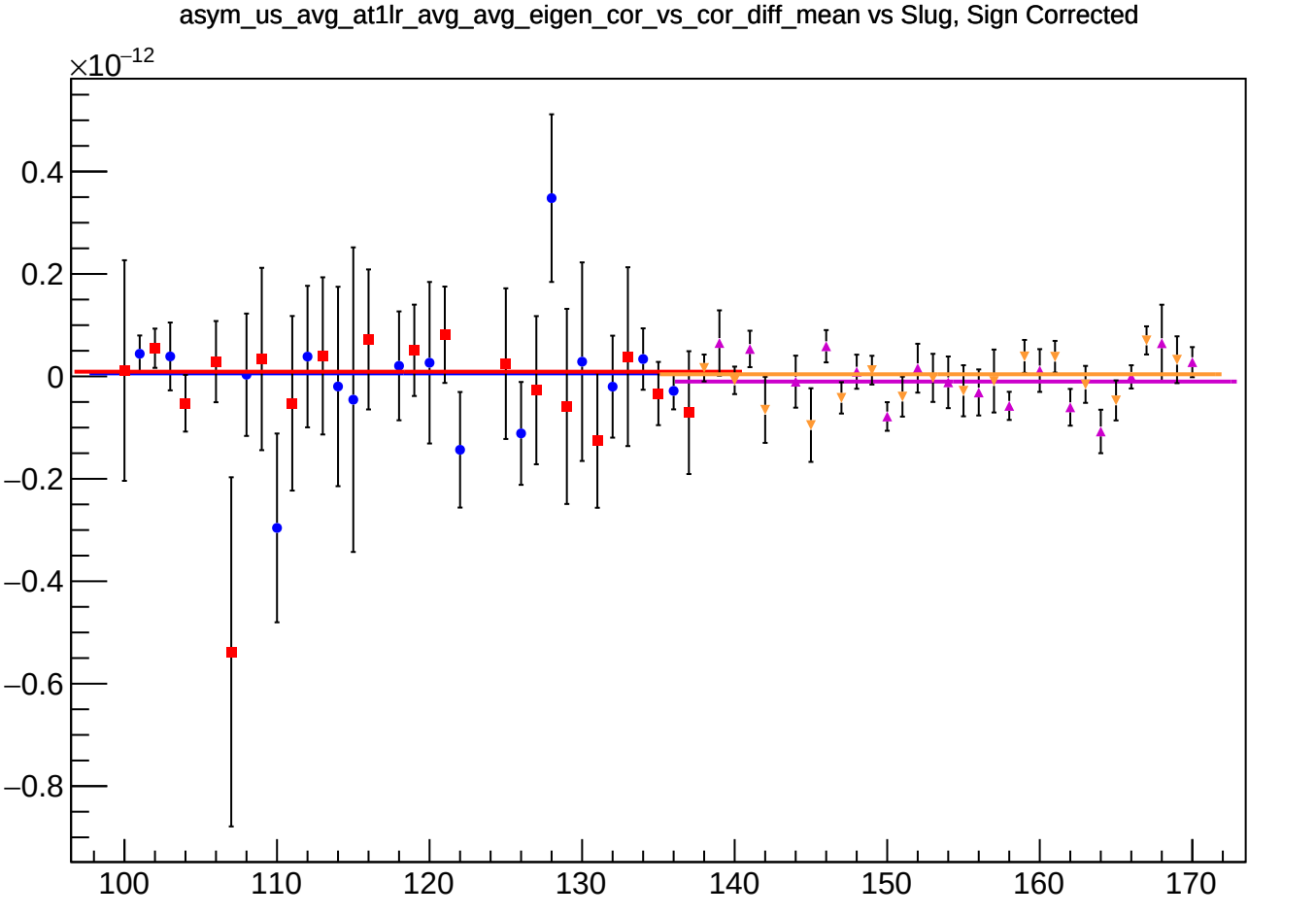
Left: 96.542+/-0.015 χ^2/NDF: 2701998.2/31

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

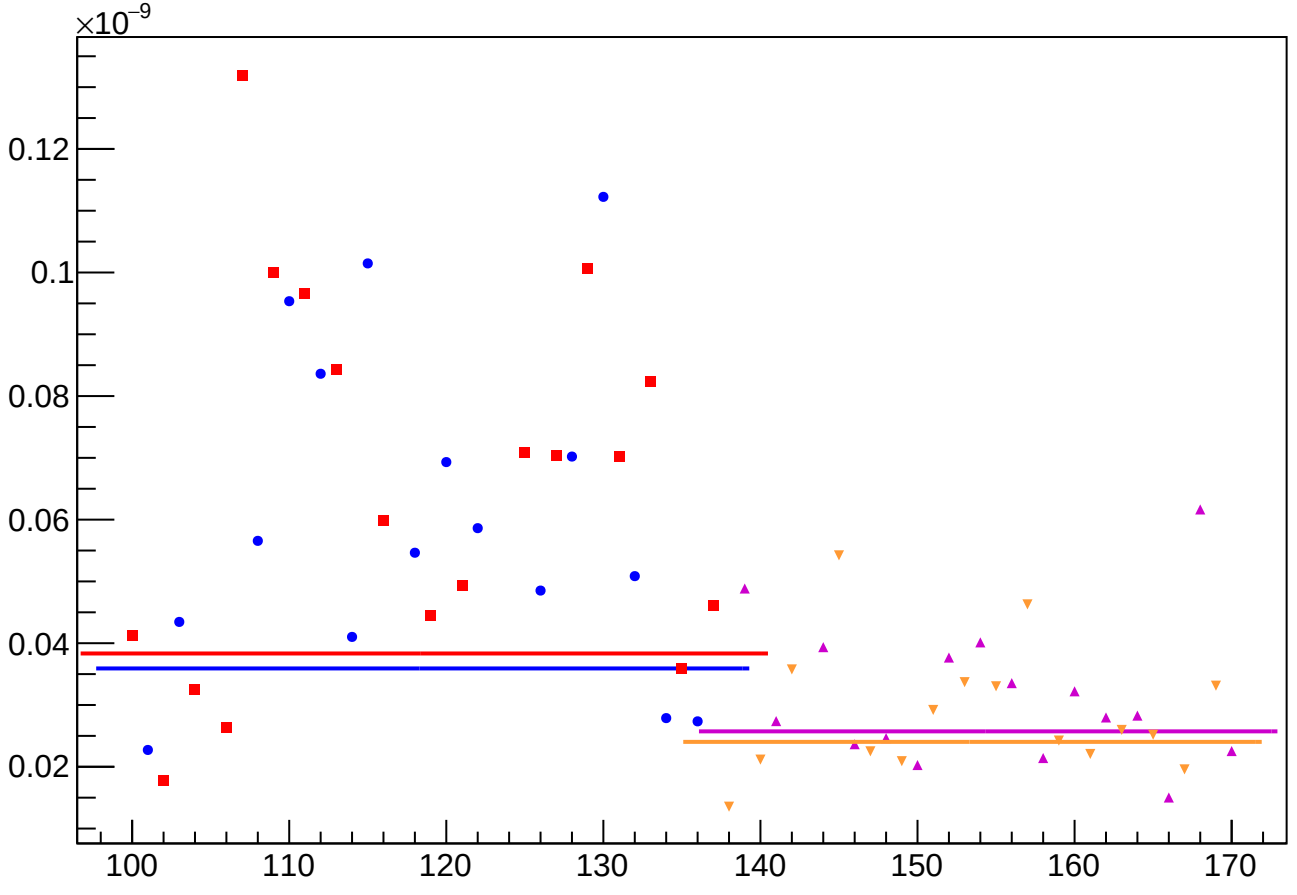
In: 100.900+/-0.017 χ^2/NDF:3263997.2/31

Out: 97.923+/-0.018 χ^2/NDF:4265283.0/33

All: 99.422+/-0.012 χ^2/NDF: 7543741.1/65


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:18.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:29.5/15
Left: -0.000+/-0.000 χ²/NDF: 48.9/31
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:43.0/31
Out: 0.000+/-0.000 χ²/NDF:26.9/33
All: -0.000+/-0.000 χ²/NDF: 71.0/65

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:1385690.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1886927.0/15

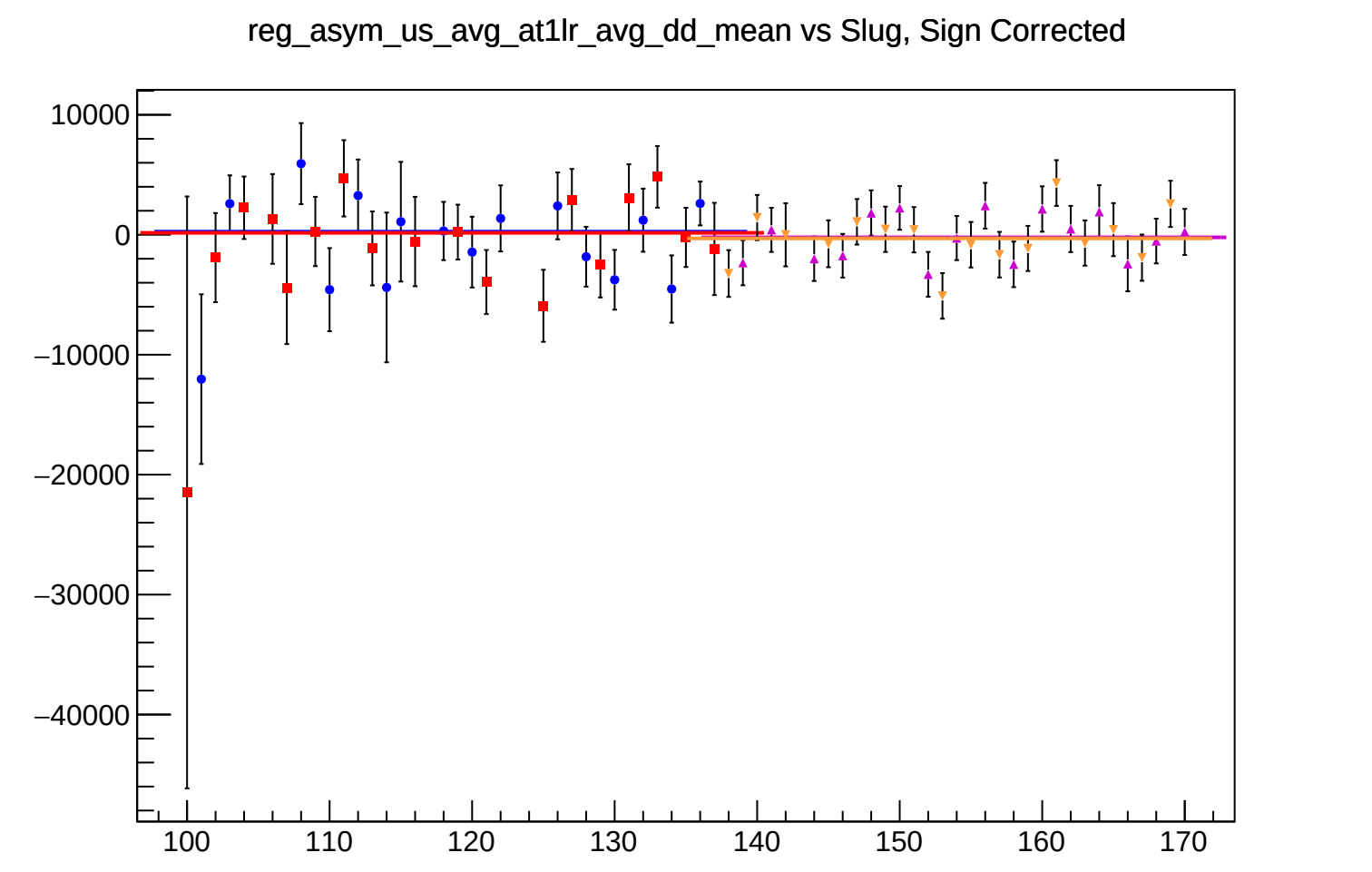
Left: 0.000+/-0.000 χ^2/NDF: 3308893.2/31

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4108718.5/31

Out: 0.000+/-0.000 χ^2/NDF:4337388.1/33

All: 0.000+/-0.000 χ^2/NDF: 8477568.8/65



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -300.978+/-487.830 χ^2/NDF:20.1/15

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -216.559+/-477.242 χ^2/NDF:15.7/15

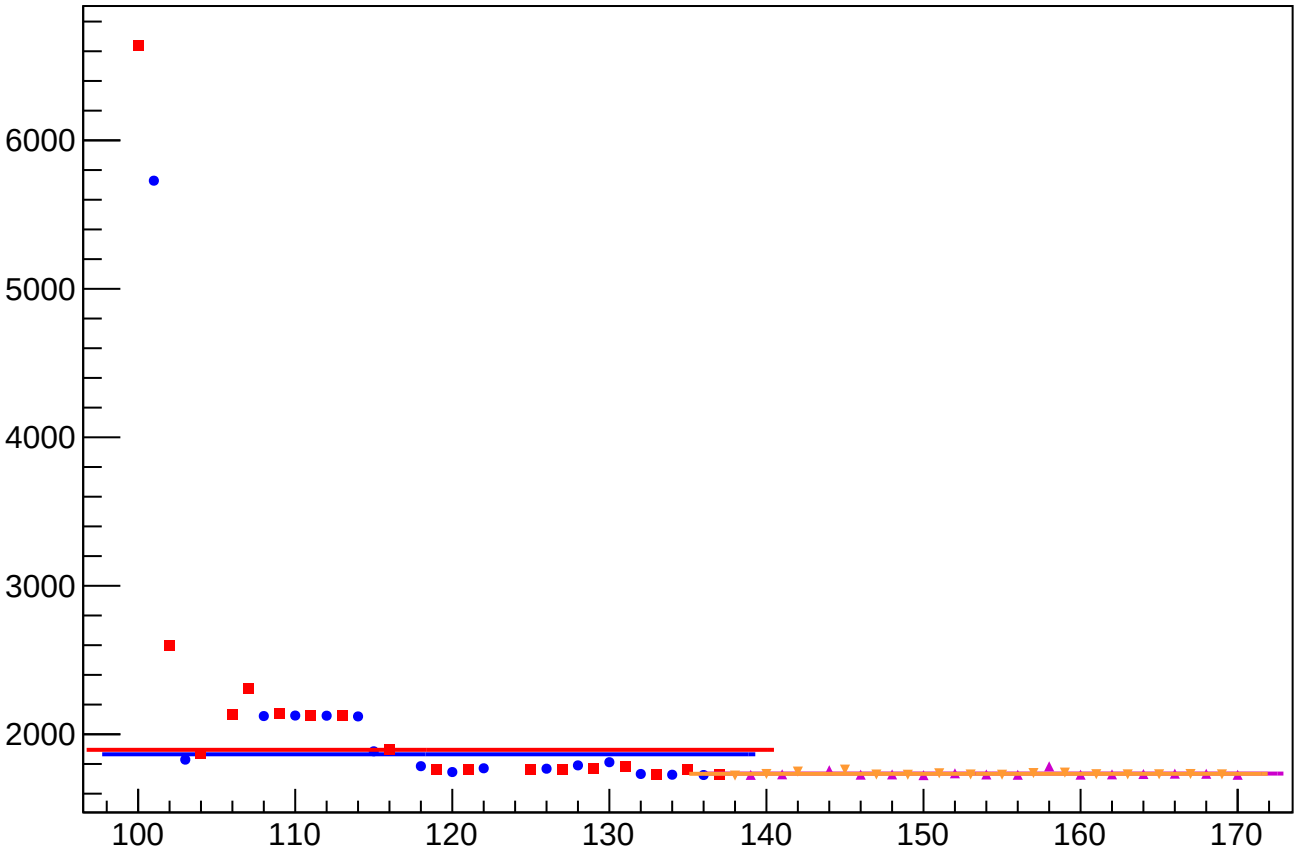
Left: -257.842+/-341.143 χ^2/NDF: 35.8/31

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -68.319+/-396.028 χ^2/NDF:35.4/31

Out: -154.013+/-402.489 χ^2/NDF:38.4/33

All: -110.473+/-282.291 χ^2/NDF: 73.9/65



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.783+/-0.345 χ^2/NDF:706.3/15

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.305+/-0.337 χ^2/NDF:1923.2/15

Left: 1734.561+/-0.241 χ^2/NDF: 2639.4/31

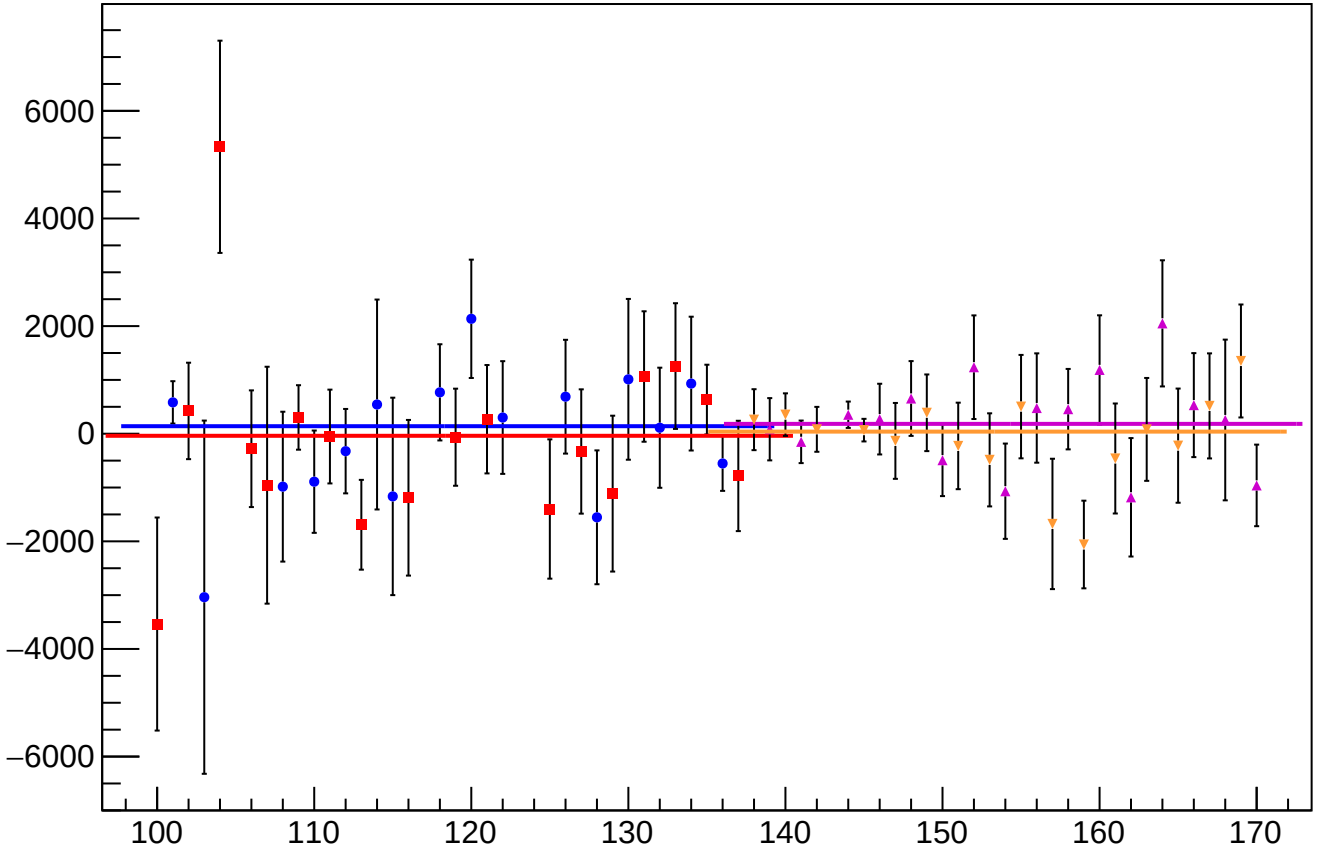
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1775.743+/-0.280 χ^2/NDF:720763.1/31

Out: 1785.336+/-0.285 χ^2/NDF:321468.4/33

All: 1780.462+/-0.200 χ^2/NDF: 1042808.7/65

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 39.181+/-137.391 χ^2/NDF:12.6/15

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 182.990+/-151.503 χ^2/NDF:13.6/15

Left: 104.077+/-101.774 χ^2/NDF: 26.7/31

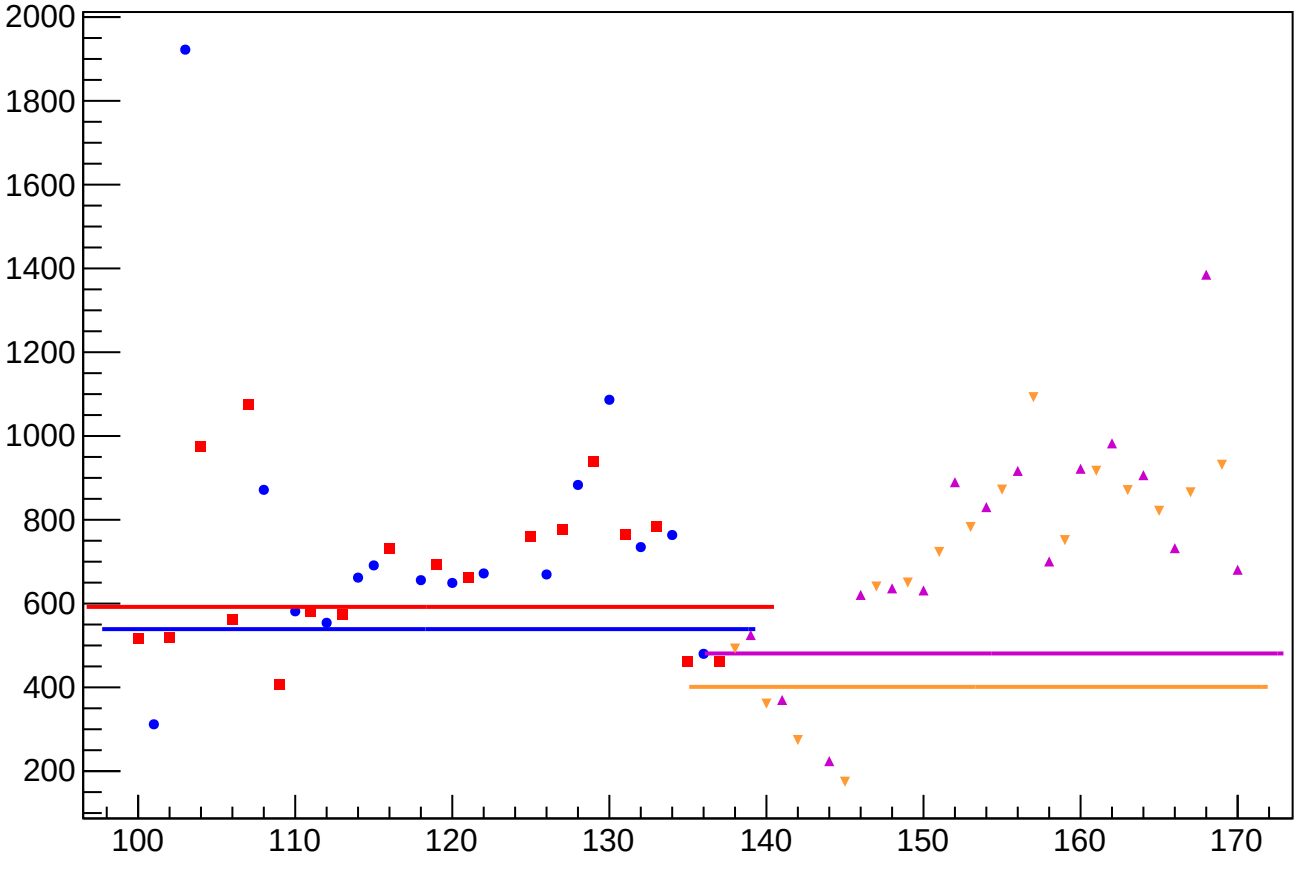
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 169.105+/-124.796 χ^2/NDF:27.1/31

Out: 19.763+/-119.019 χ^2/NDF:34.0/33

All: 90.898+/-86.129 χ^2/NDF: 61.9/65

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: 401.193+/-0.097 χ^2/NDF:7539988.5/15

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 480.937+/-0.107 χ^2/NDF:5938233.2/15

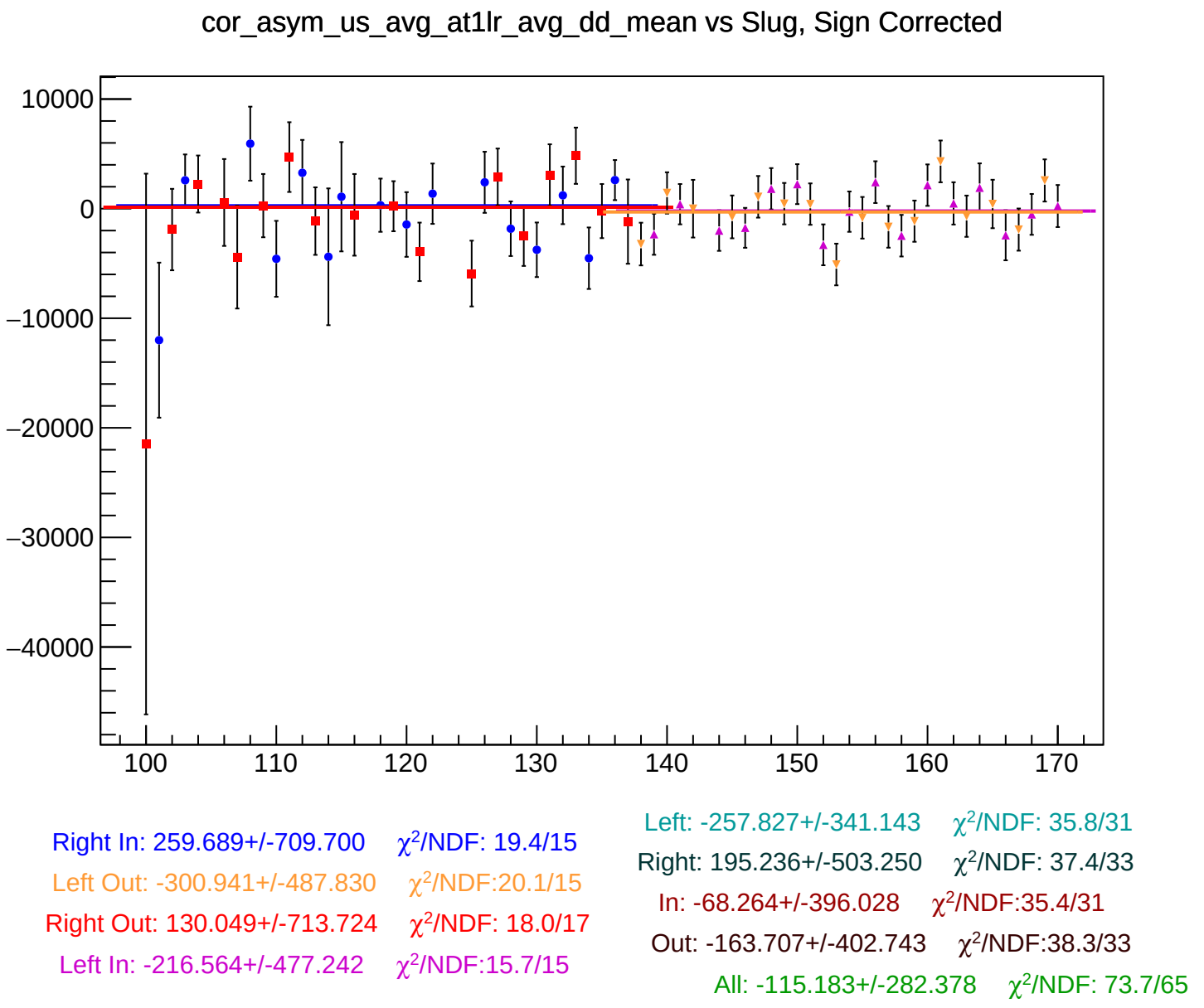
Left: 437.179+/-0.072 χ^2/NDF: 13782269.6/31

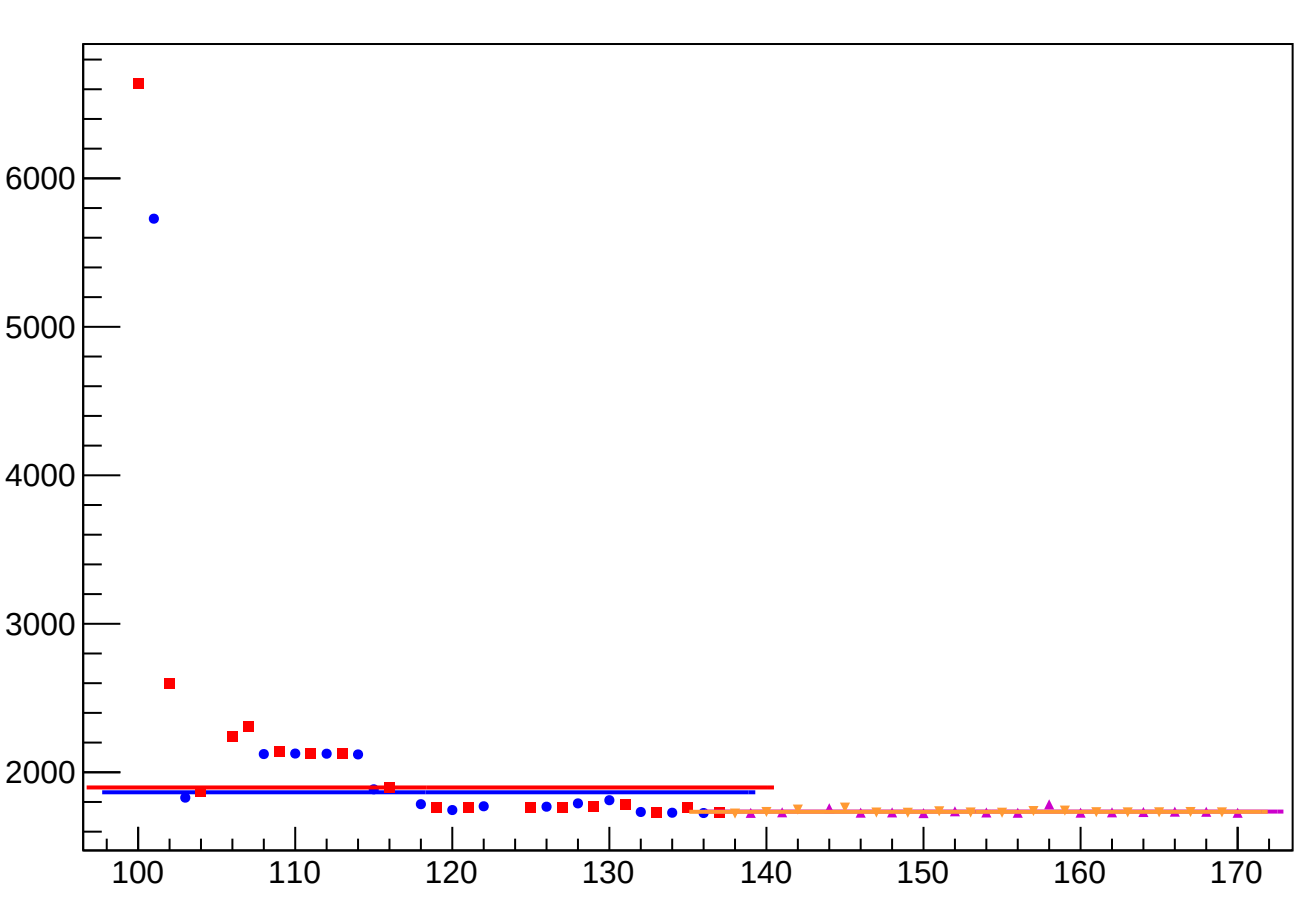
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 499.609+/-0.088 χ^2/NDF:7887300.8/31

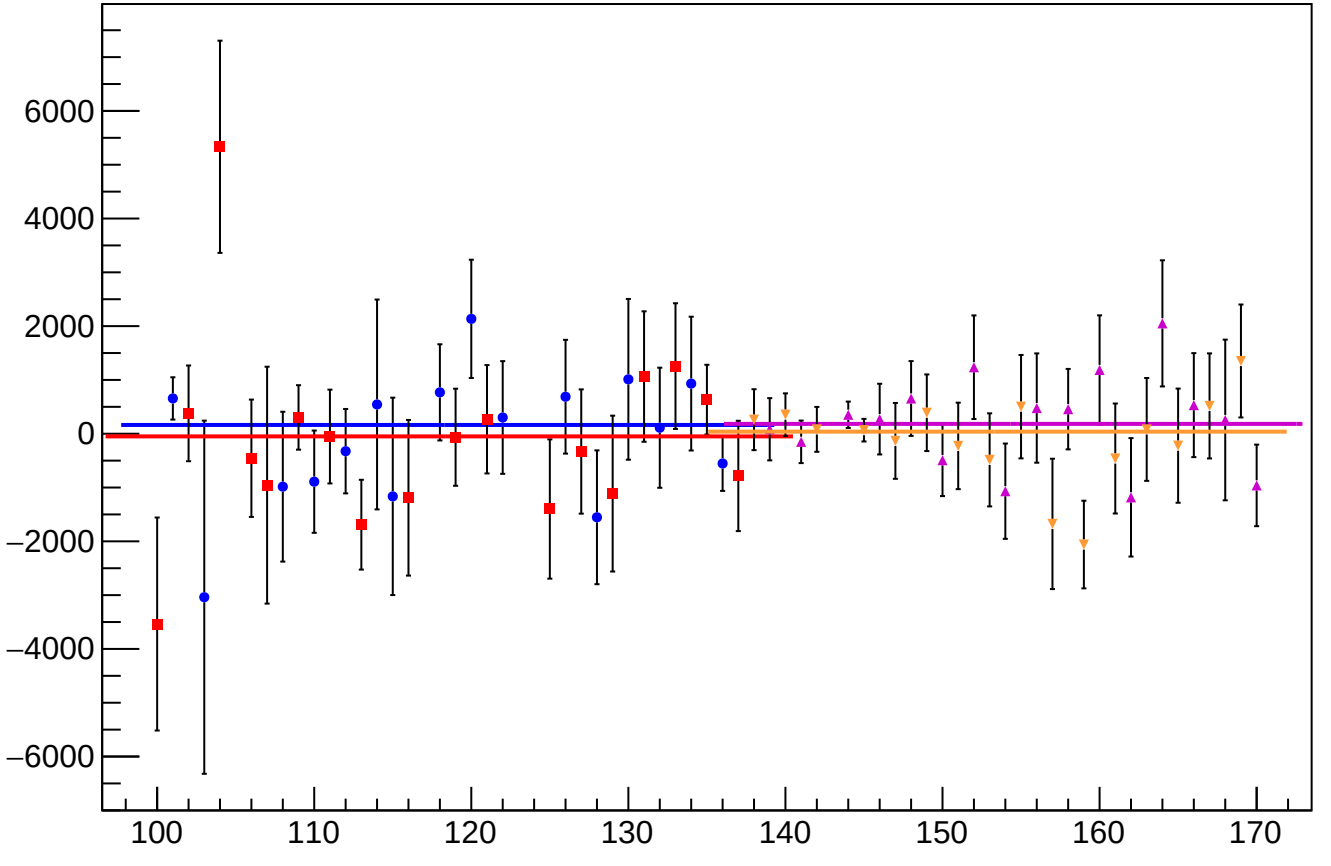
Out: 448.834+/-0.084 χ^2/NDF:9346709.8/33

All: 473.019+/-0.061 χ^2/NDF: 17407383.3/65


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -300.941+/-487.830 χ²/NDF:20.1/15
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -216.564+/-477.242 χ²/NDF:15.7/15
Left: -257.827+/-341.143 χ²/NDF: 35.8/31
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -68.264+/-396.028 χ²/NDF:35.4/31
Out: -163.707+/-402.743 χ²/NDF:38.3/33
All: -115.183+/-282.378 χ²/NDF: 73.7/65


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1733.783+/-0.345 χ²/NDF:706.3/15
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.305+/-0.337 χ²/NDF:1923.2/15
Left: 1734.561+/-0.241 χ²/NDF: 2639.4/31
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1775.743+/-0.280 χ²/NDF:720762.9/31
Out: 1785.977+/-0.285 χ²/NDF:330342.5/33
All: 1780.774+/-0.200 χ²/NDF: 1051762.0/65

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: 39.039+/-137.393 χ^2/NDF:12.6/15

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 182.991+/-151.504 χ^2/NDF:13.6/15

Left: 104.000+/-101.775 χ^2/NDF: 26.7/31

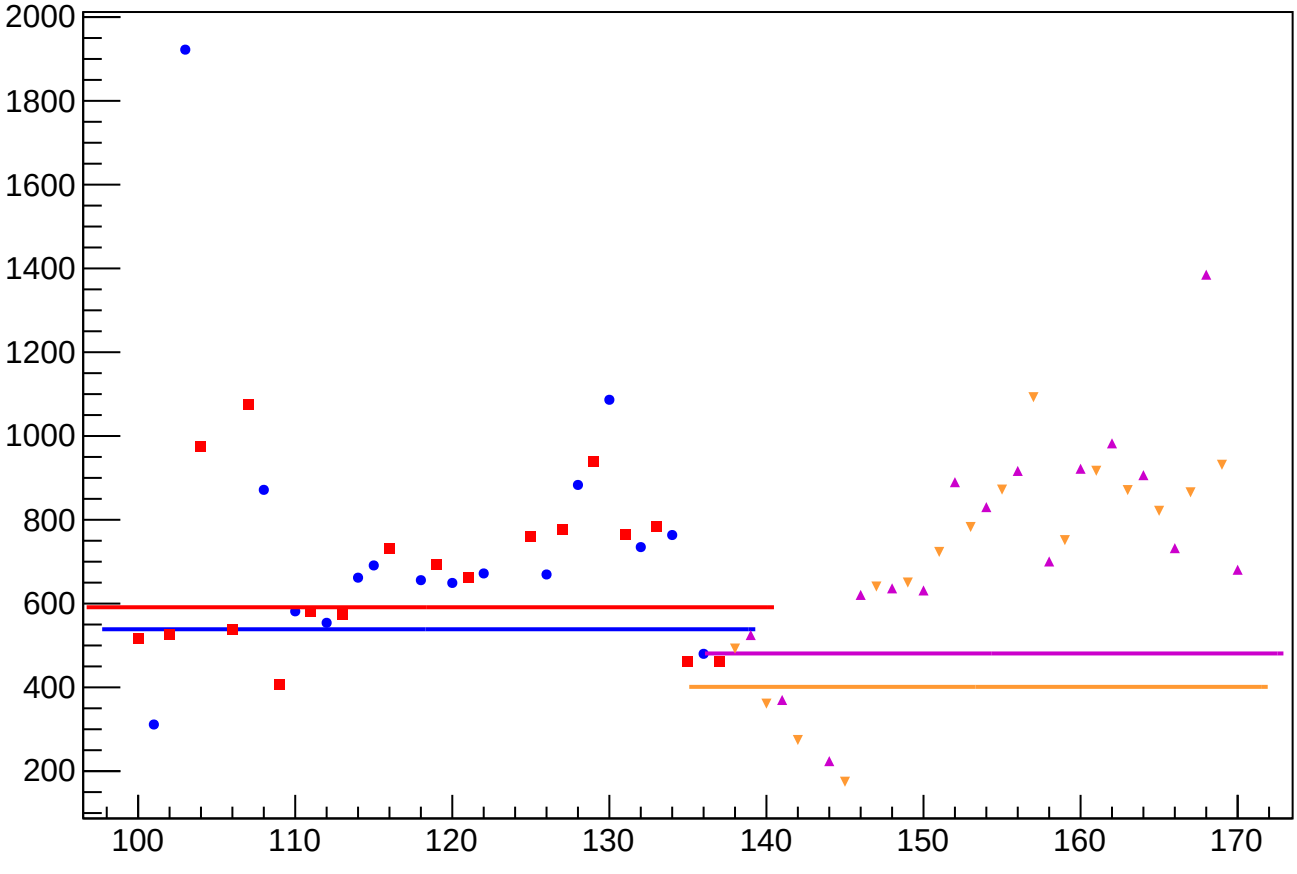
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.609+/-124.783 χ^2/NDF:27.5/31

Out: 16.906+/-119.014 χ^2/NDF:34.1/33

All: 92.981+/-86.123 χ^2/NDF: 62.5/65

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: 401.203+/-0.097 χ^2/NDF:7539709.1/15

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 480.945+/-0.107 χ^2/NDF:5937857.9/15

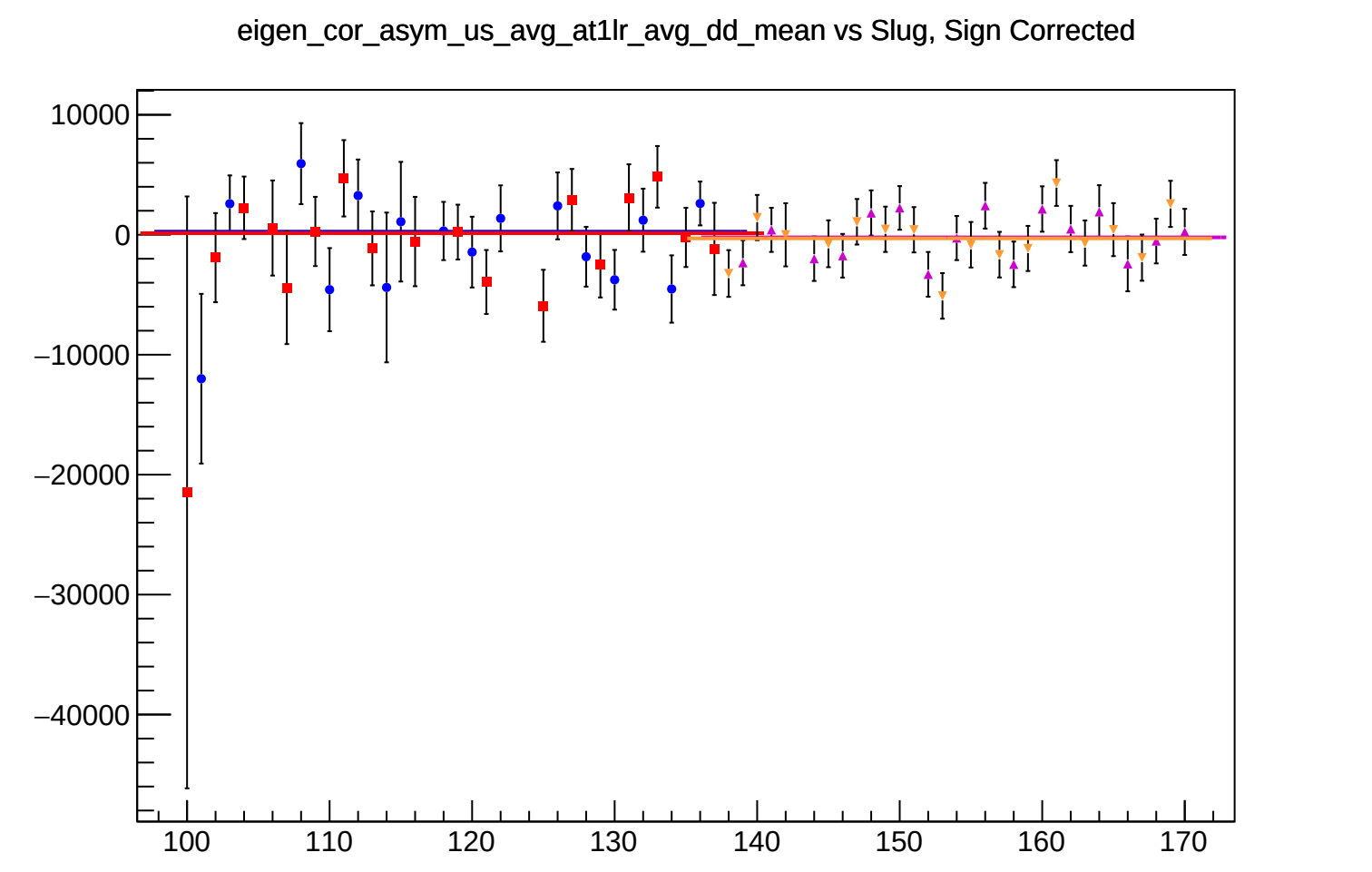
Left: 437.188+/-0.072 χ^2/NDF: 13781598.6/31

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 499.522+/-0.088 χ^2/NDF:7890243.9/31

Out: 448.645+/-0.084 χ^2/NDF:9339474.0/33

All: 472.880+/-0.061 χ^2/NDF: 17403824.8/65



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -300.941+/-487.830 χ^2/NDF:20.1/15

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -216.564+/-477.242 χ^2/NDF:15.7/15

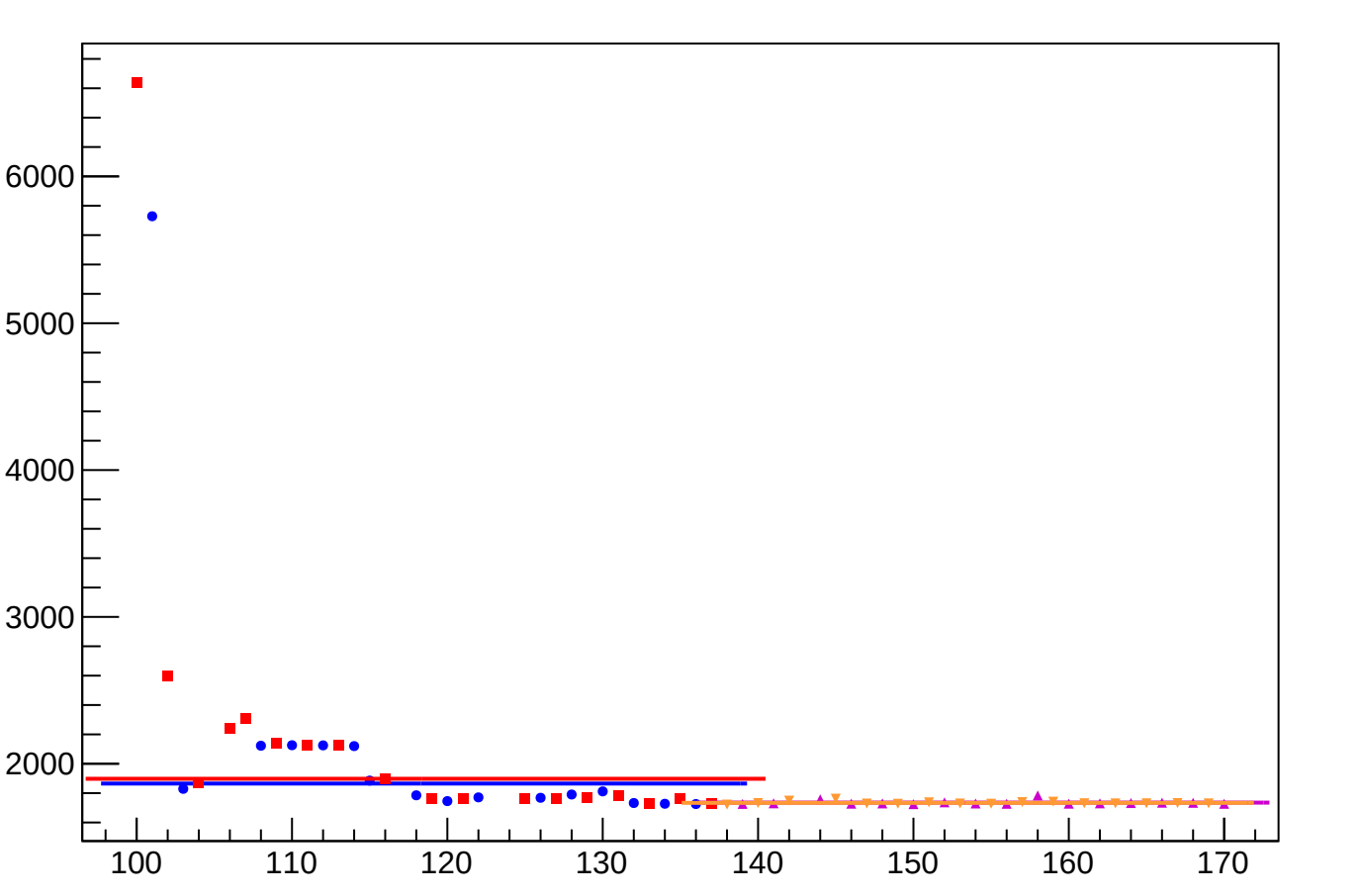
Left: -257.827+/-341.143 χ^2/NDF: 35.8/31

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

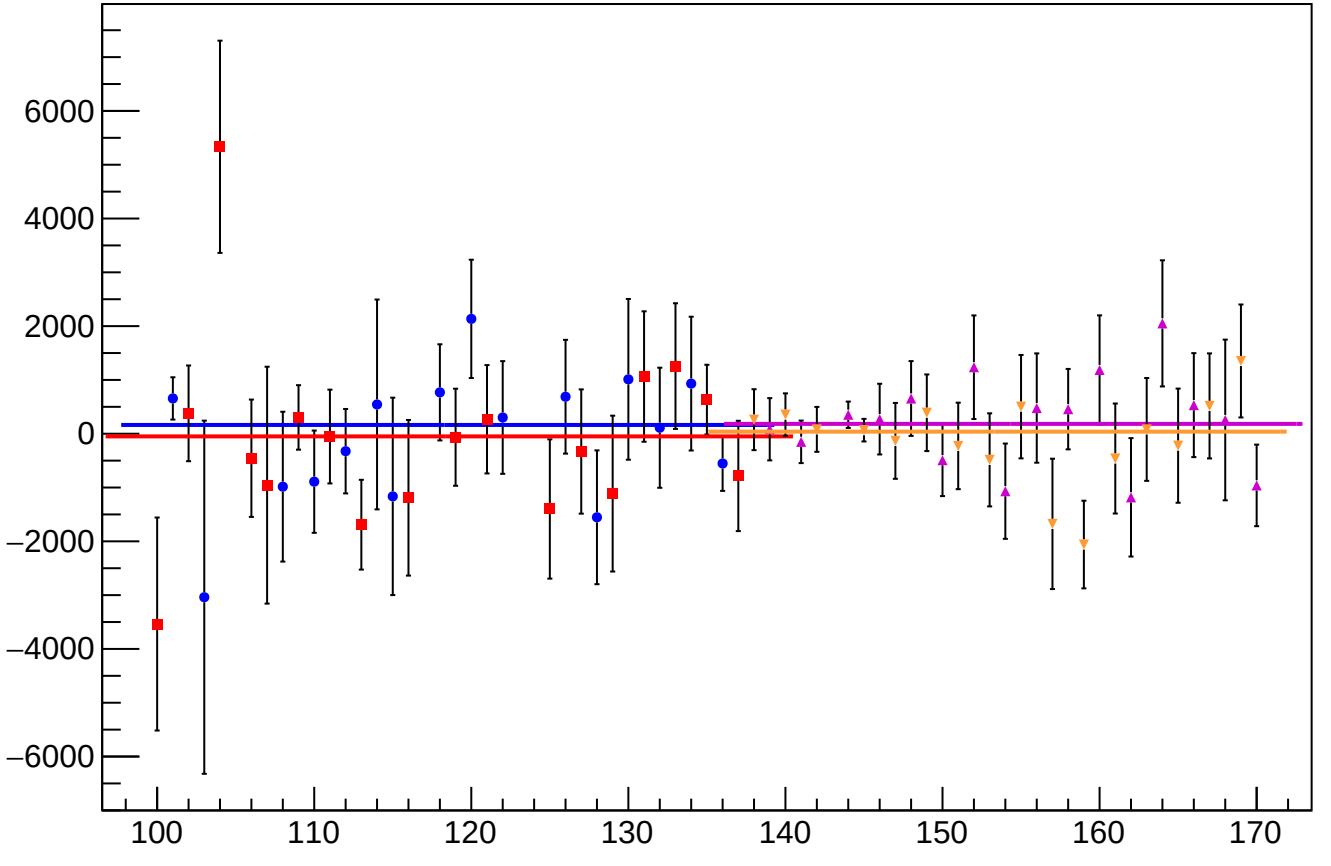
In: -68.264+/-396.028 χ^2/NDF:35.4/31

Out: -163.707+/-402.743 χ^2/NDF:38.3/33

All: -115.183+/-282.378 χ^2/NDF: 73.7/65


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1733.783+/-0.345 χ²/NDF:706.3/15
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.305+/-0.337 χ²/NDF:1923.2/15
Left: 1734.561+/-0.241 χ²/NDF: 2639.4/31
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1775.743+/-0.280 χ²/NDF:720762.9/31
Out: 1785.977+/-0.285 χ²/NDF:330342.5/33
All: 1780.774+/-0.200 χ²/NDF: 1051762.0/65

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 39.039+/-137.393 χ^2/NDF:12.6/15

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 182.991+/-151.504 χ^2/NDF:13.6/15

Left: 104.000+/-101.775 χ^2/NDF: 26.7/31

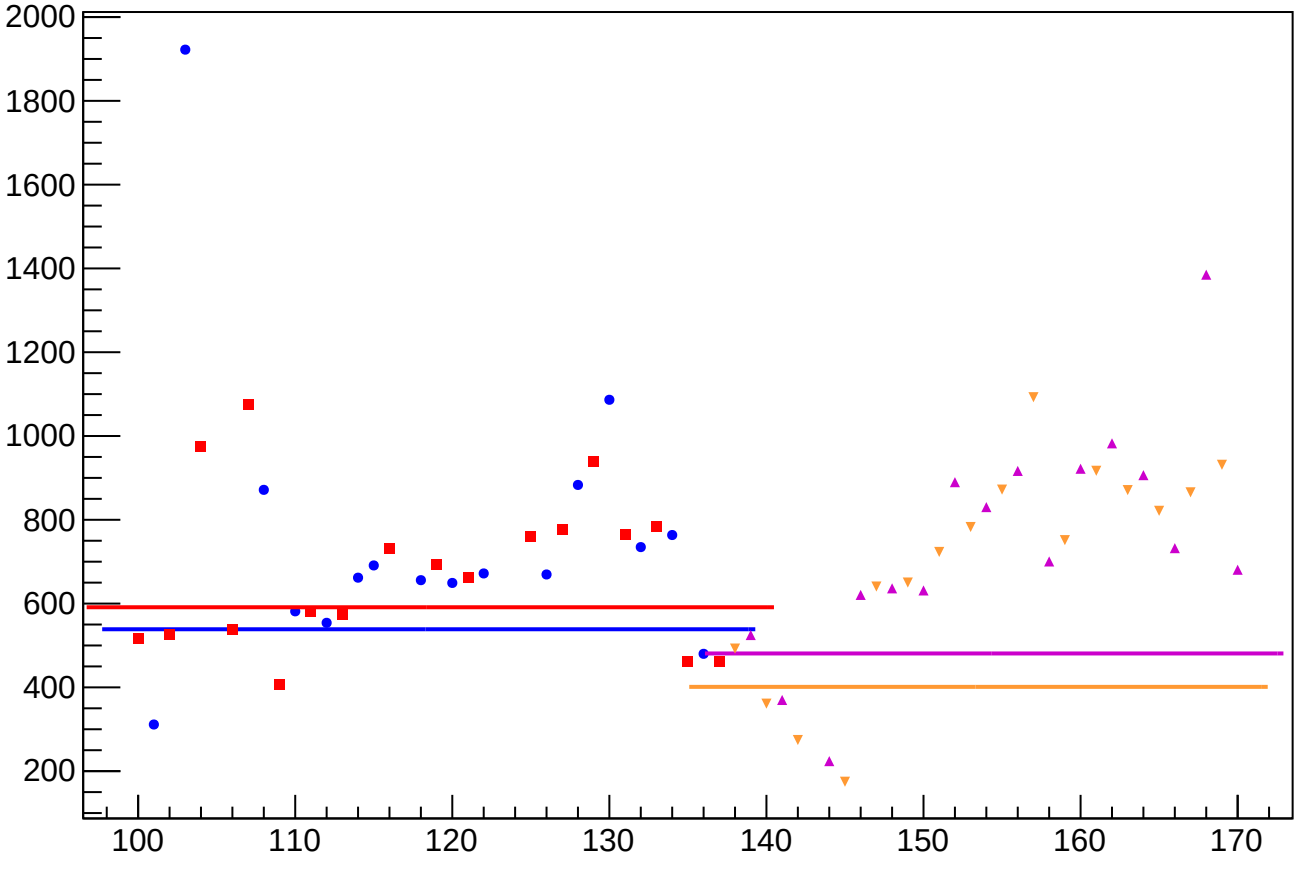
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.609+/-124.783 χ^2/NDF:27.5/31

Out: 16.906+/-119.014 χ^2/NDF:34.1/33

All: 92.981+/-86.123 χ^2/NDF: 62.5/65

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: 401.203+/-0.097 χ^2/NDF:7539709.1/15

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 480.945+/-0.107 χ^2/NDF:5937857.9/15

Left: 437.188+/-0.072 χ^2/NDF: 13781598.6/31

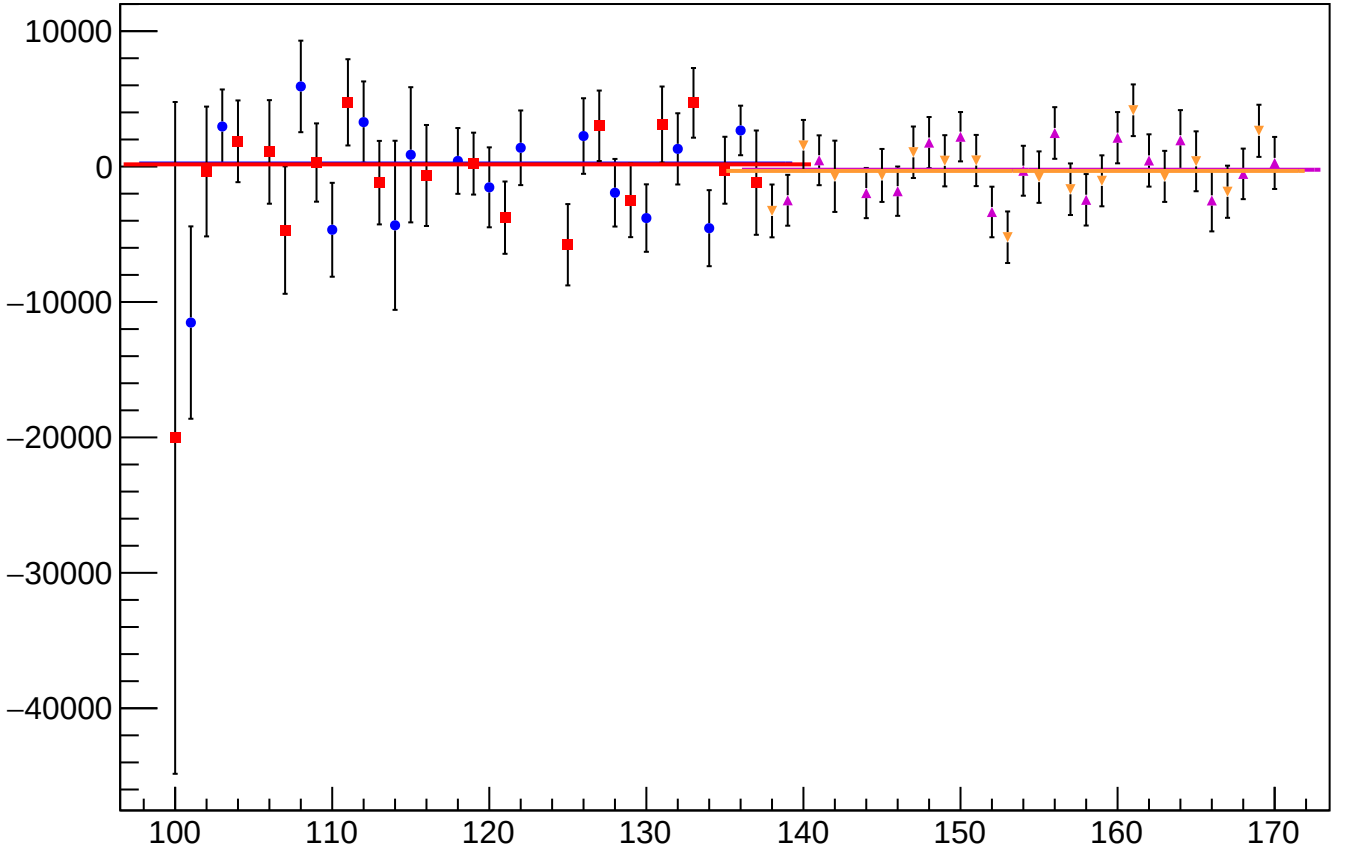
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 499.522+/-0.088 χ^2/NDF:7890243.9/31

Out: 448.645+/-0.084 χ^2/NDF:9339474.0/33

All: 472.880+/-0.061 χ^2/NDF: 17403824.8/65

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: -320.703+/-488.163 χ^2/NDF:20.2/15

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -233.515+/-477.552 χ^2/NDF:16.0/15

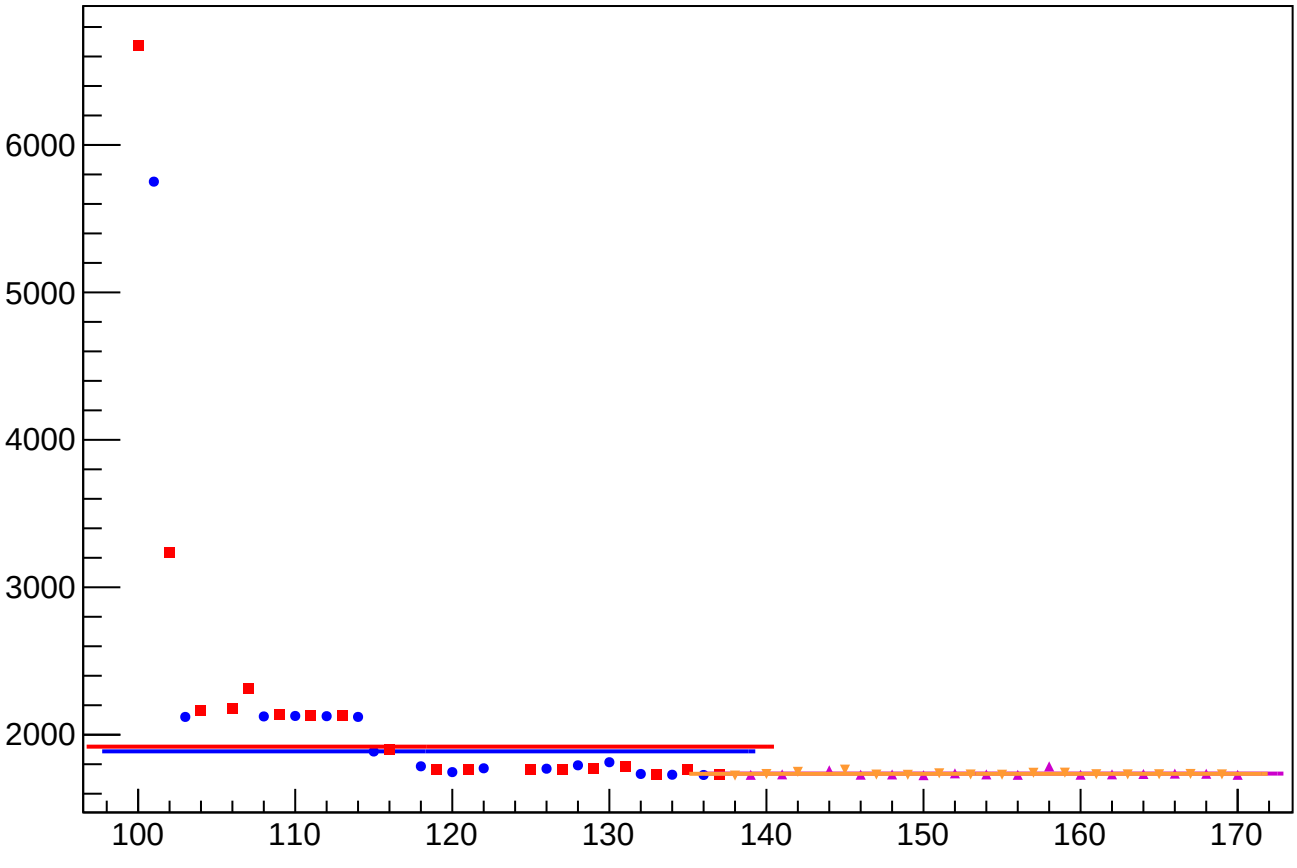
Left: -276.151+/-341.370 χ^2/NDF: 36.2/31

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -92.663+/-397.726 χ^2/NDF:35.7/31

Out: -169.822+/-405.066 χ^2/NDF:37.5/33

All: -130.537+/-283.794 χ^2/NDF: 73.3/65



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.965+/-0.345 χ^2/NDF:711.6/15

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.428+/-0.338 χ^2/NDF:1922.7/15

Left: 1735.713+/-0.241 χ^2/NDF: 2643.5/31

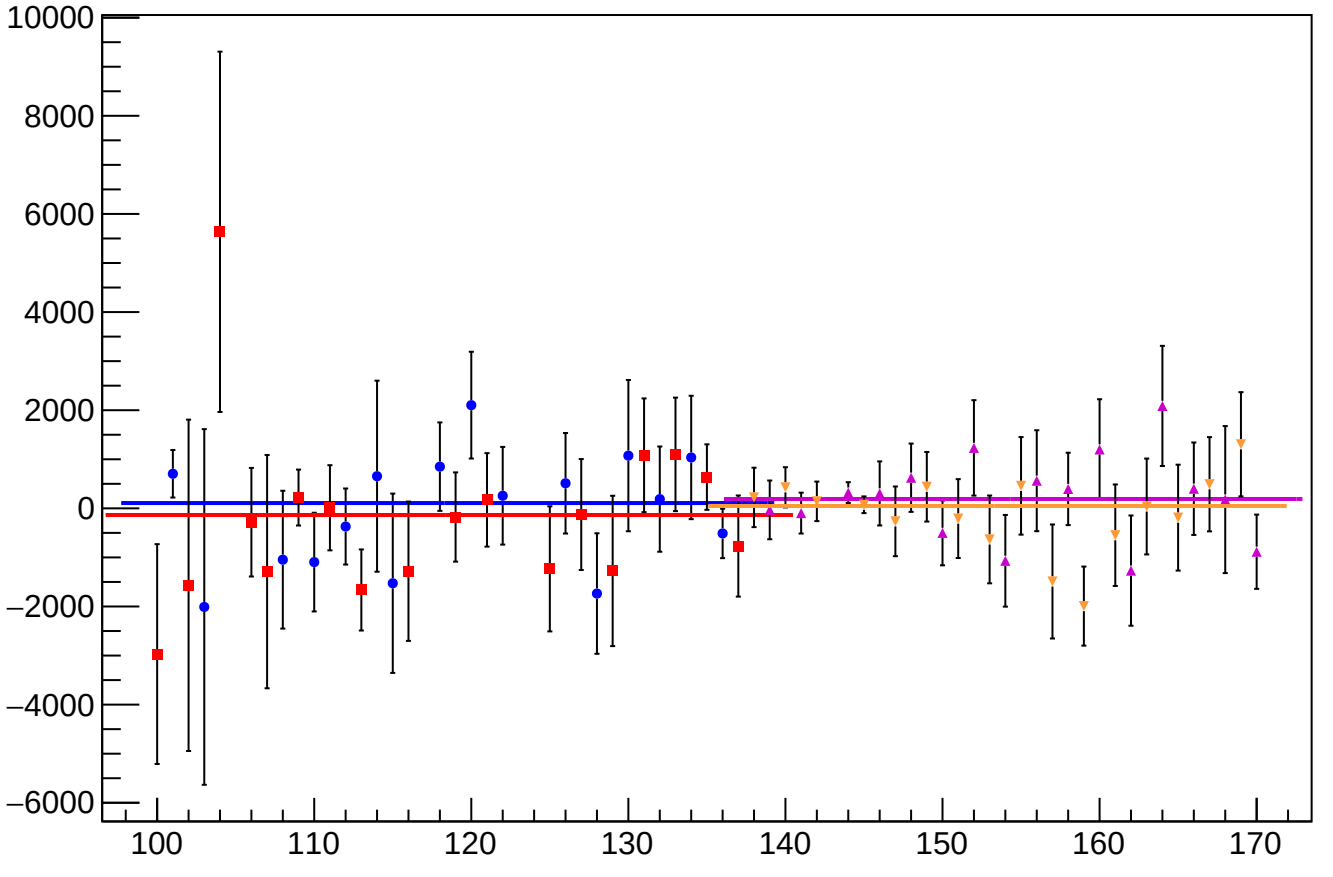
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1782.654+/-0.281 χ^2/NDF:752531.3/31

Out: 1792.338+/-0.286 χ^2/NDF:441972.9/33

All: 1787.408+/-0.201 χ^2/NDF: 1195086.2/65

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 48.922+/-124.820 χ^2/NDF:12.5/15

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 190.890+/-144.086 χ^2/NDF:12.8/15

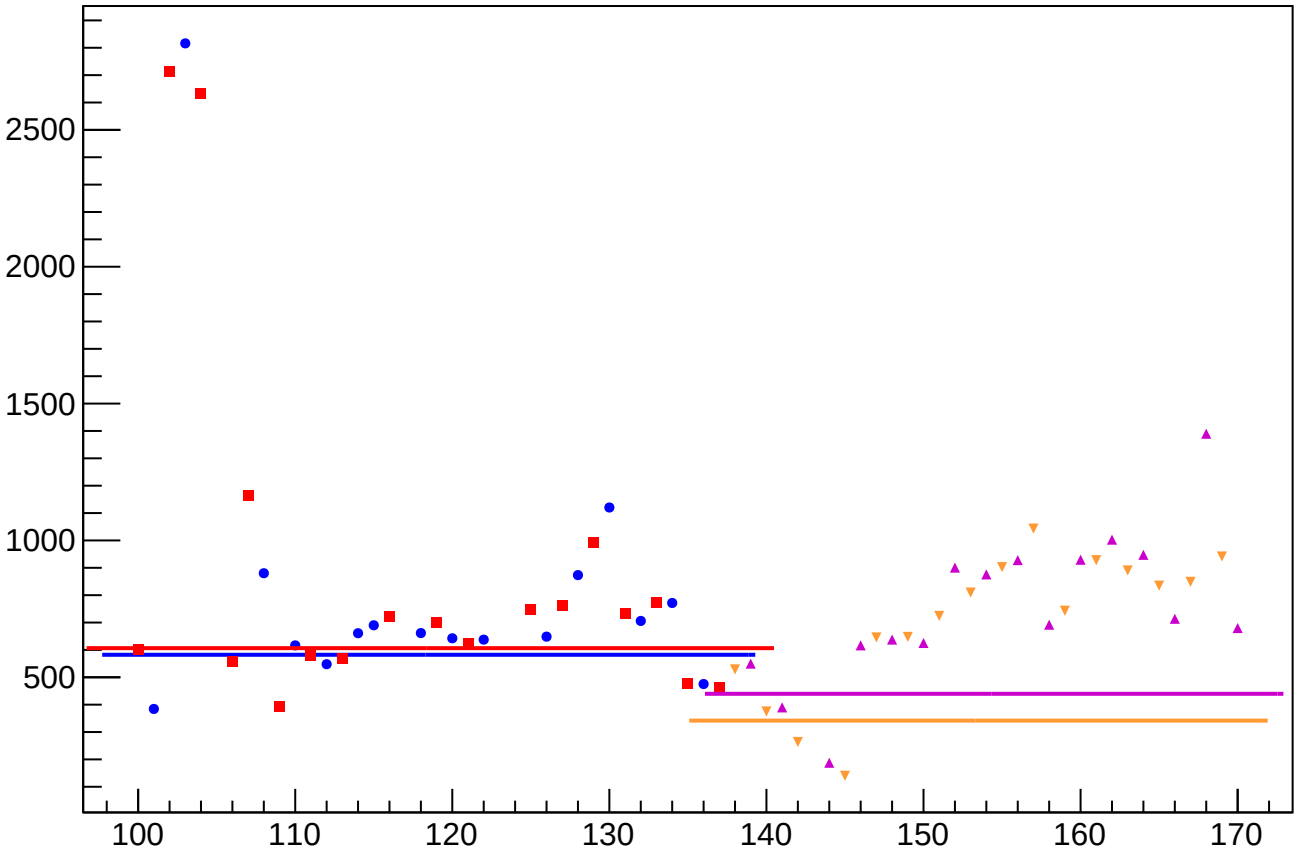
Left: 109.786+/-94.343 χ^2/NDF: 25.9/31

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 167.812+/-122.359 χ^2/NDF:27.0/31

Out: 11.176+/-111.305 χ^2/NDF:27.3/33

All: 82.101+/-82.336 χ^2/NDF: 55.3/65



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 341.742+/-0.088 χ^2/NDF:9565351.4/15

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 439.677+/-0.102 χ^2/NDF:7430284.5/15

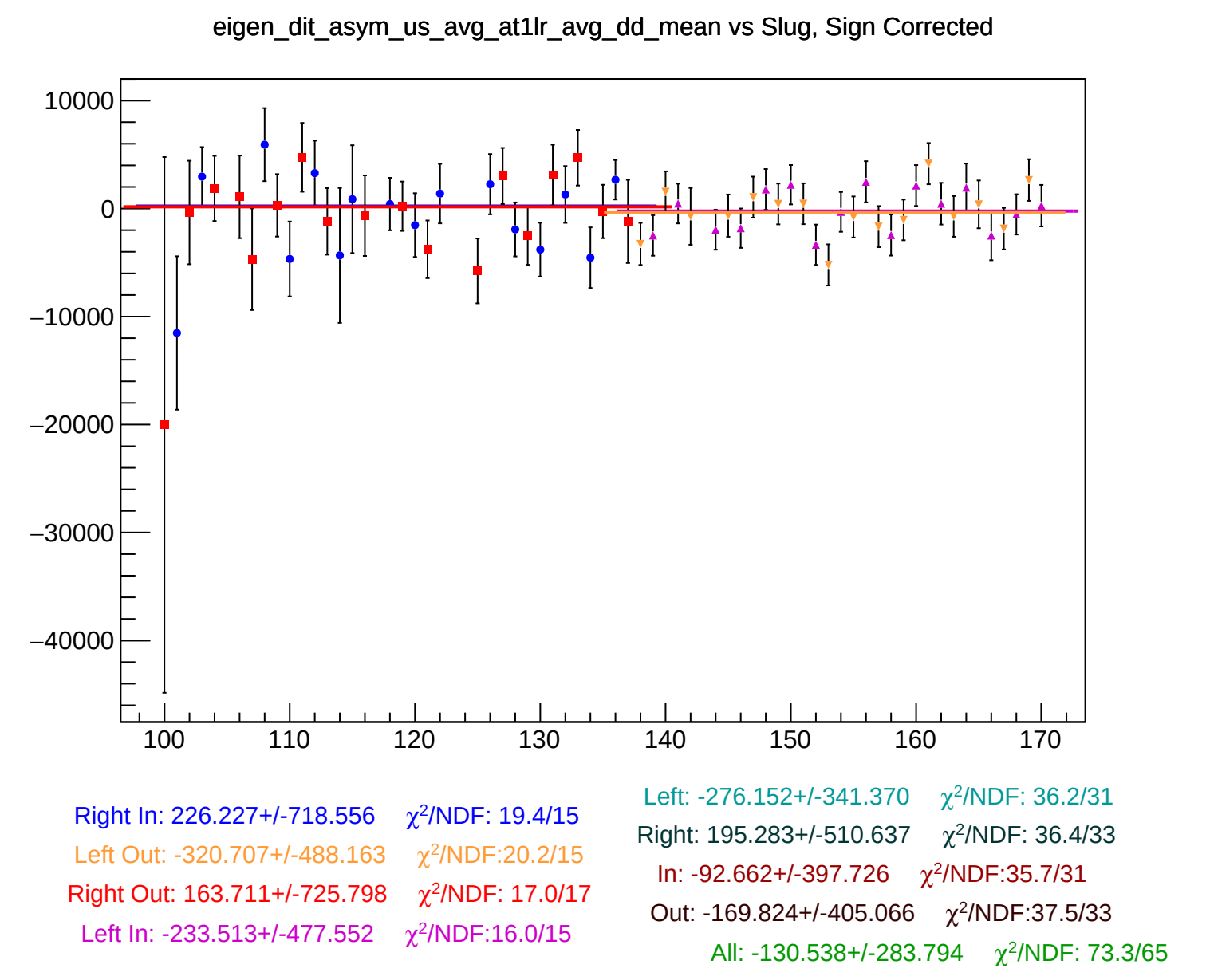
Left: 383.729+/-0.067 χ^2/NDF: 17523480.0/31

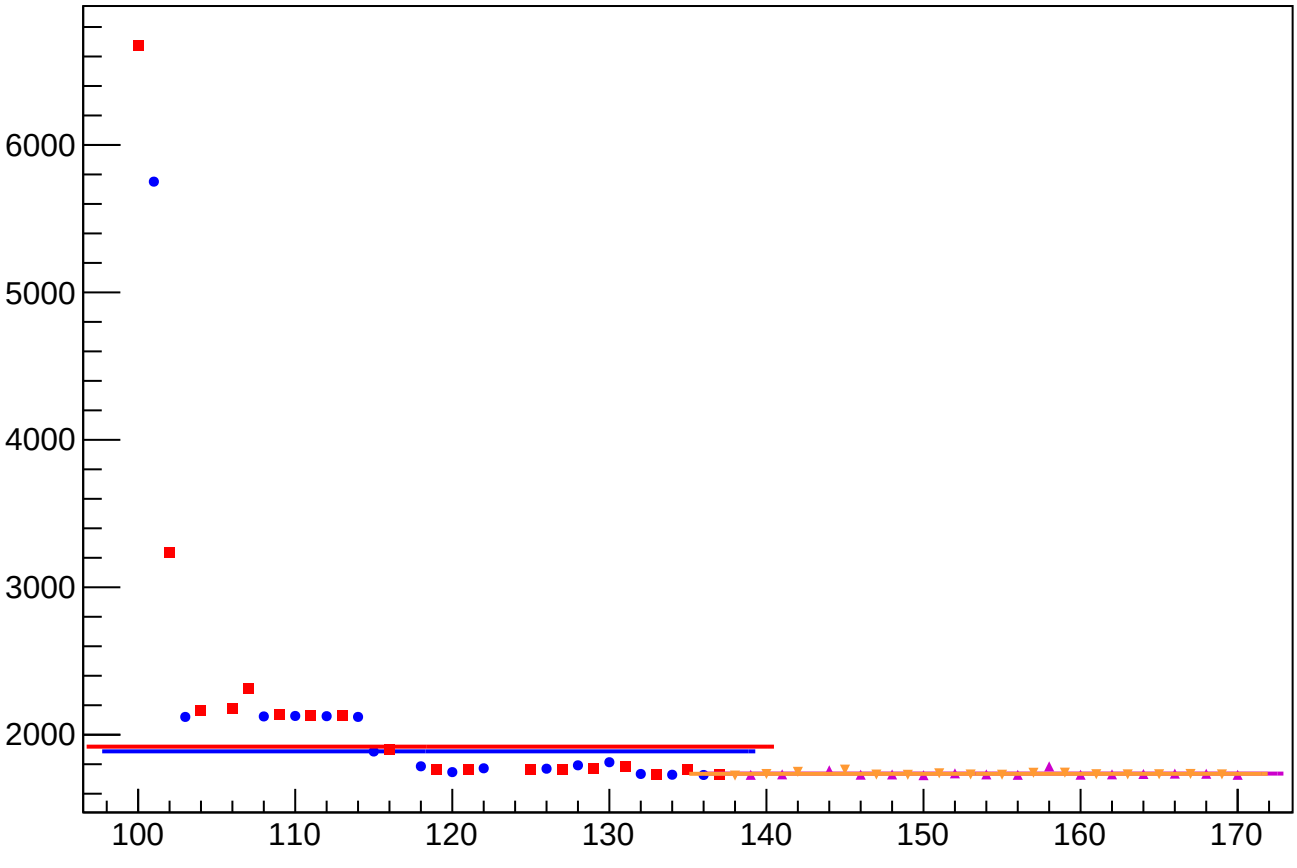
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 479.439+/-0.087 χ^2/NDF:9730795.0/31

Out: 395.963+/-0.079 χ^2/NDF:13606178.9/33

All: 433.761+/-0.058 χ^2/NDF: 23846352.3/65


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: -320.707+/-488.163 χ²/NDF:20.2/15
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -233.513+/-477.552 χ²/NDF:16.0/15
Left: -276.152+/-341.370 χ²/NDF: 36.2/31
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -92.662+/-397.726 χ²/NDF:35.7/31
Out: -169.824+/-405.066 χ²/NDF:37.5/33
All: -130.538+/-283.794 χ²/NDF: 73.3/65



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.965+/-0.345 χ^2/NDF:711.6/15

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.428+/-0.338 χ^2/NDF:1922.7/15

Left: 1735.713+/-0.241 χ^2/NDF: 2643.5/31

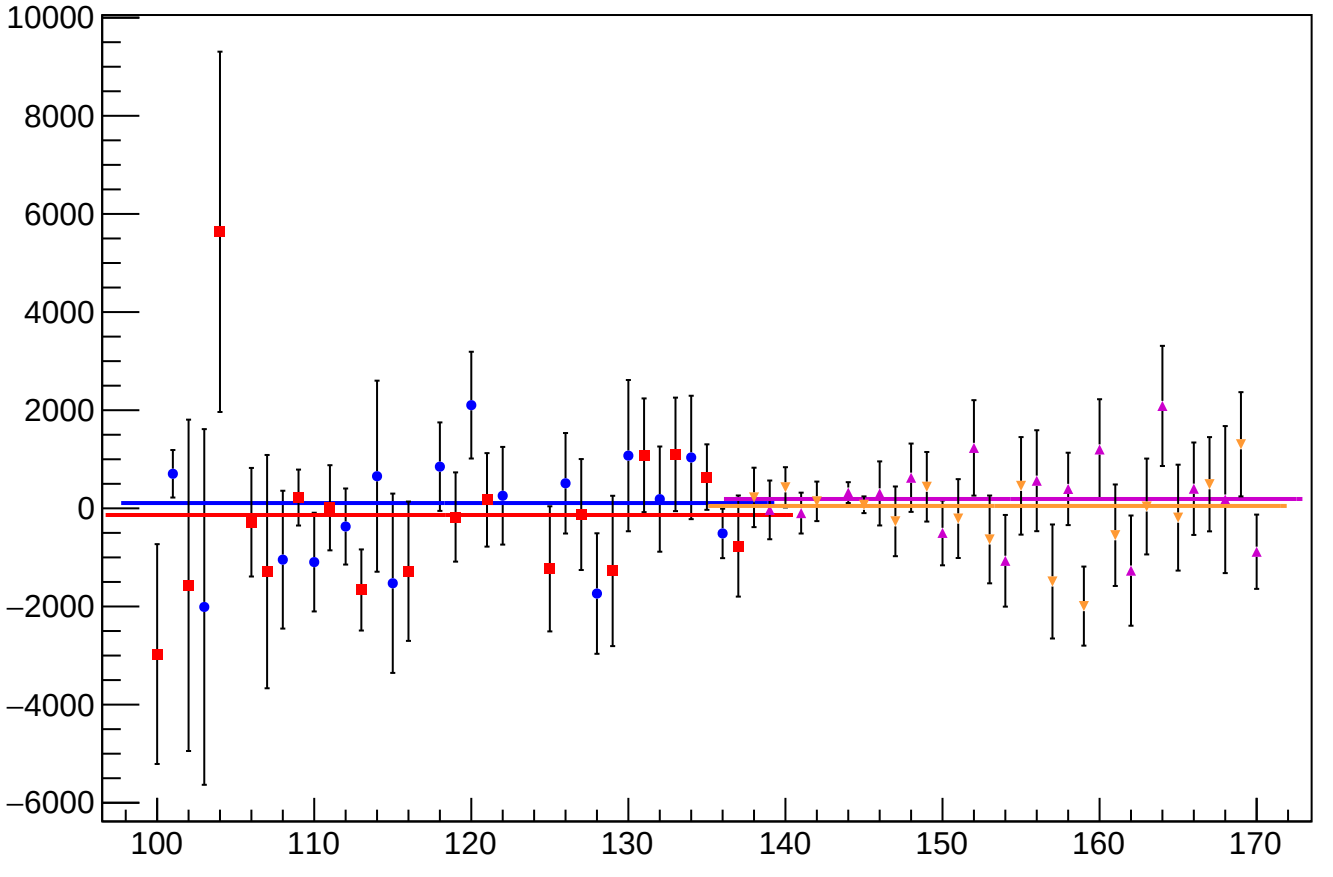
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1782.654+/-0.281 χ^2/NDF:752530.9/31

Out: 1792.338+/-0.286 χ^2/NDF:441972.0/33

All: 1787.408+/-0.201 χ^2/NDF: 1195085.0/65

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 48.920+/-124.820 χ^2/NDF:12.5/15

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 190.890+/-144.087 χ^2/NDF:12.8/15

Left: 109.785+/-94.343 χ^2/NDF: 25.9/31

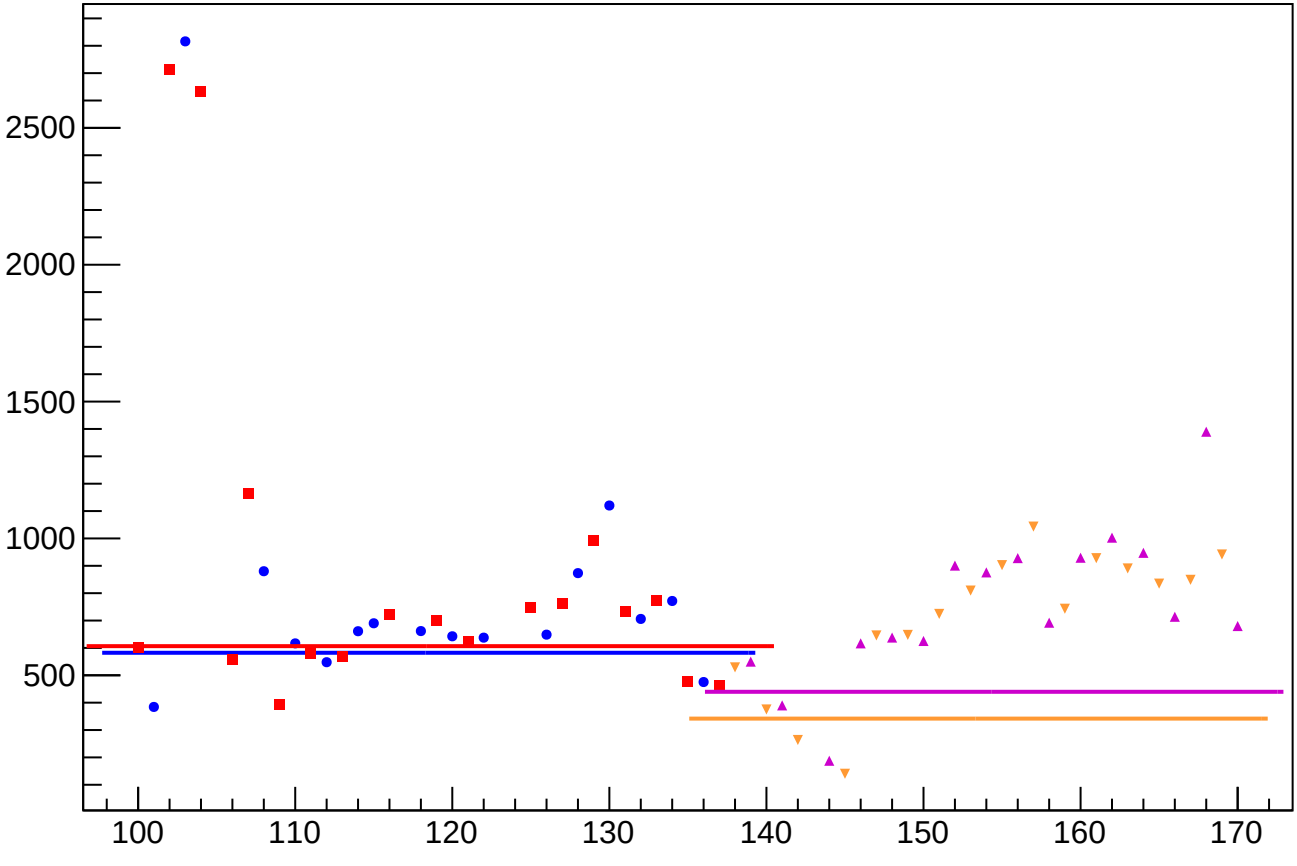
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 167.811+/-122.359 χ^2/NDF:27.0/31

Out: 11.174+/-111.305 χ^2/NDF:27.3/33

All: 82.100+/-82.336 χ^2/NDF: 55.3/65

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: 341.742+/-0.088 χ^2/NDF:9565383.8/15

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 439.677+/-0.102 χ^2/NDF:7430303.2/15

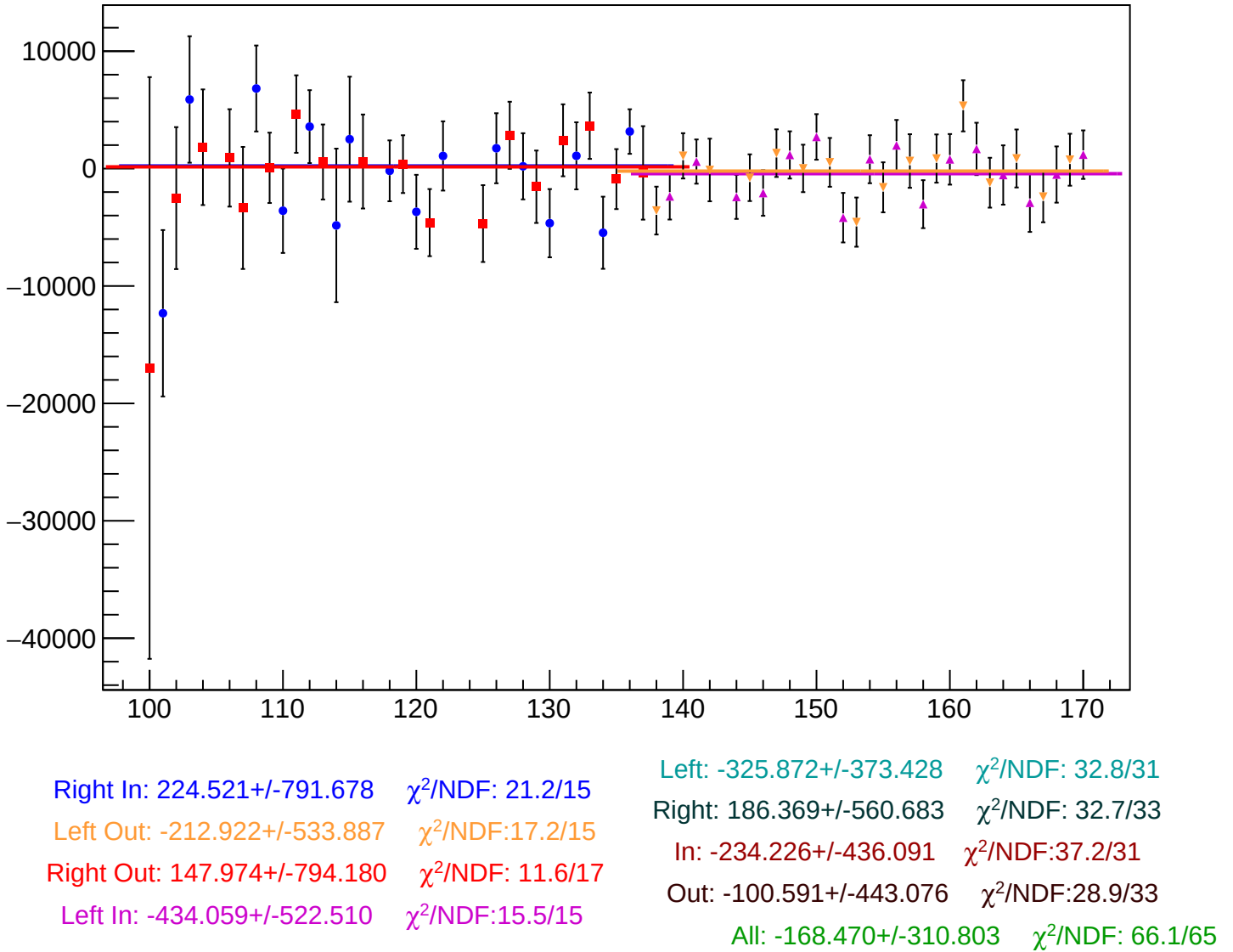
Left: 383.729+/-0.067 χ^2/NDF: 17523536.0/31

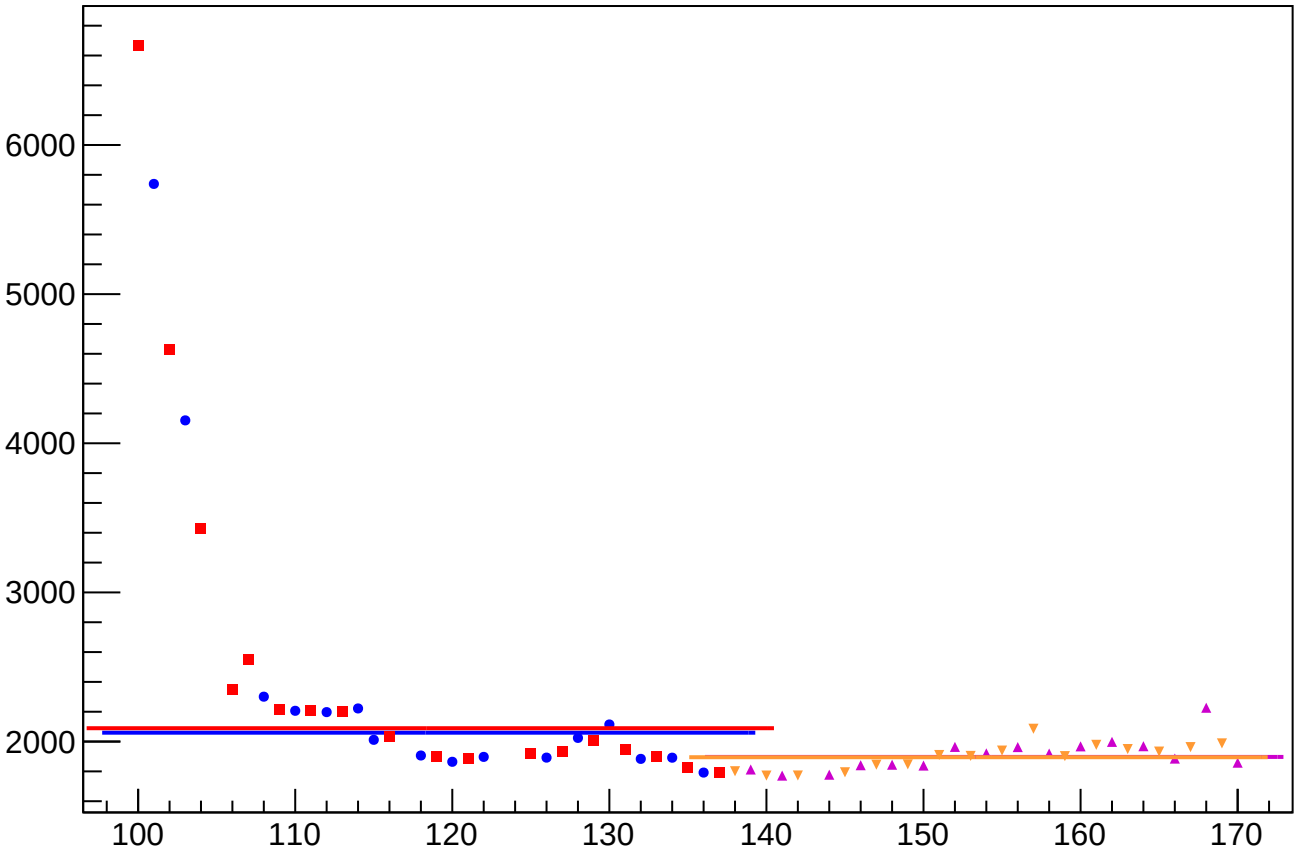
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 479.440+/-0.087 χ^2/NDF:9730786.1/31

Out: 395.962+/-0.079 χ^2/NDF:13606190.2/33

All: 433.761+/-0.058 χ^2/NDF: 23846360.3/65


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -212.922+/-533.887 χ²/NDF:17.2/15
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -434.059+/-522.510 χ²/NDF:15.5/15
Left: -325.872+/-373.428 χ²/NDF: 32.8/31
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -234.226+/-436.091 χ²/NDF:37.2/31
Out: -100.591+/-443.076 χ²/NDF:28.9/33
All: -168.470+/-310.803 χ²/NDF: 66.1/65



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1894.995+/-0.378 χ^2/NDF:49236.2/15

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1896.977+/-0.369 χ^2/NDF:76326.6/15

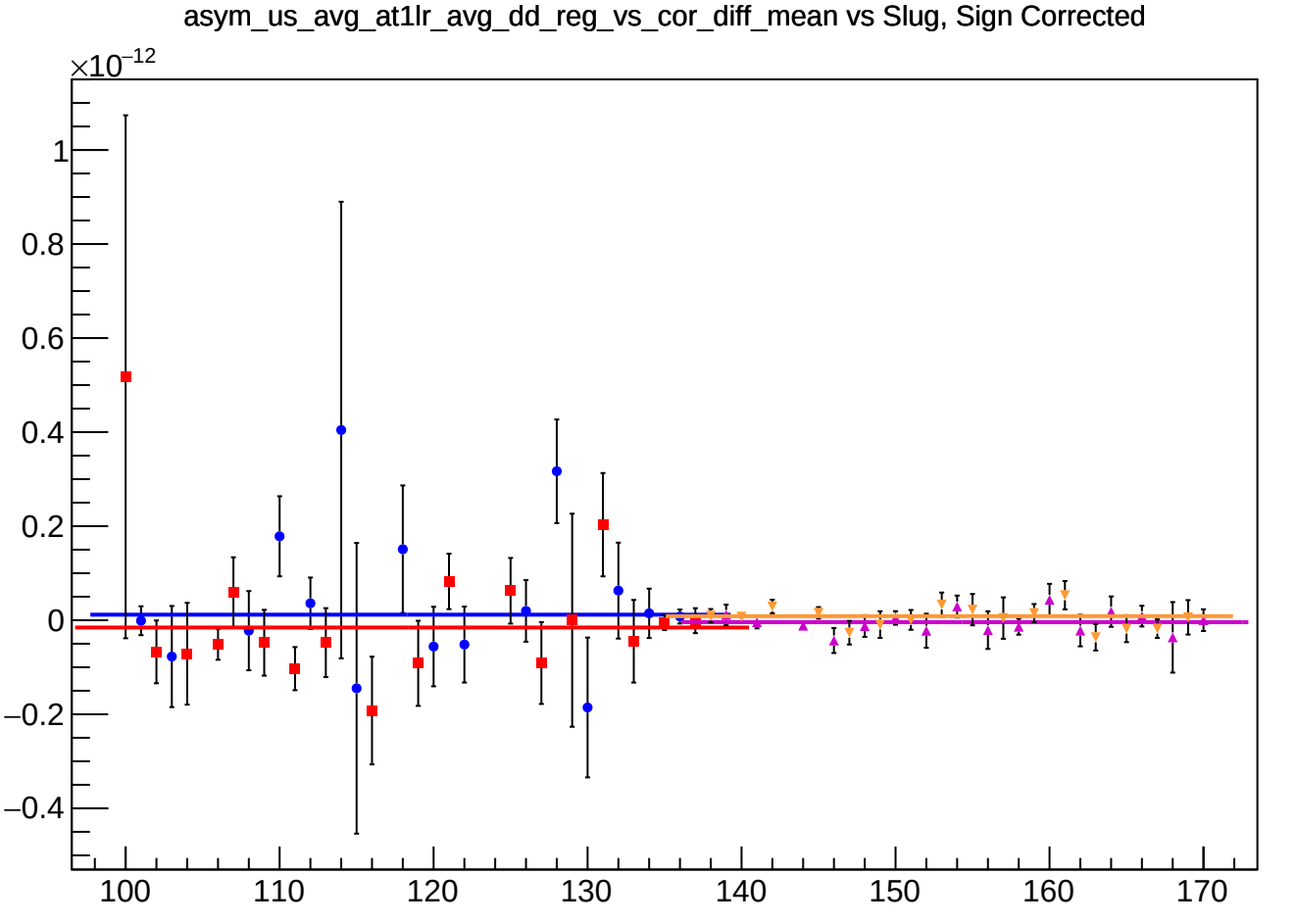
Left: 1896.007+/-0.264 χ^2/NDF: 125576.8/31

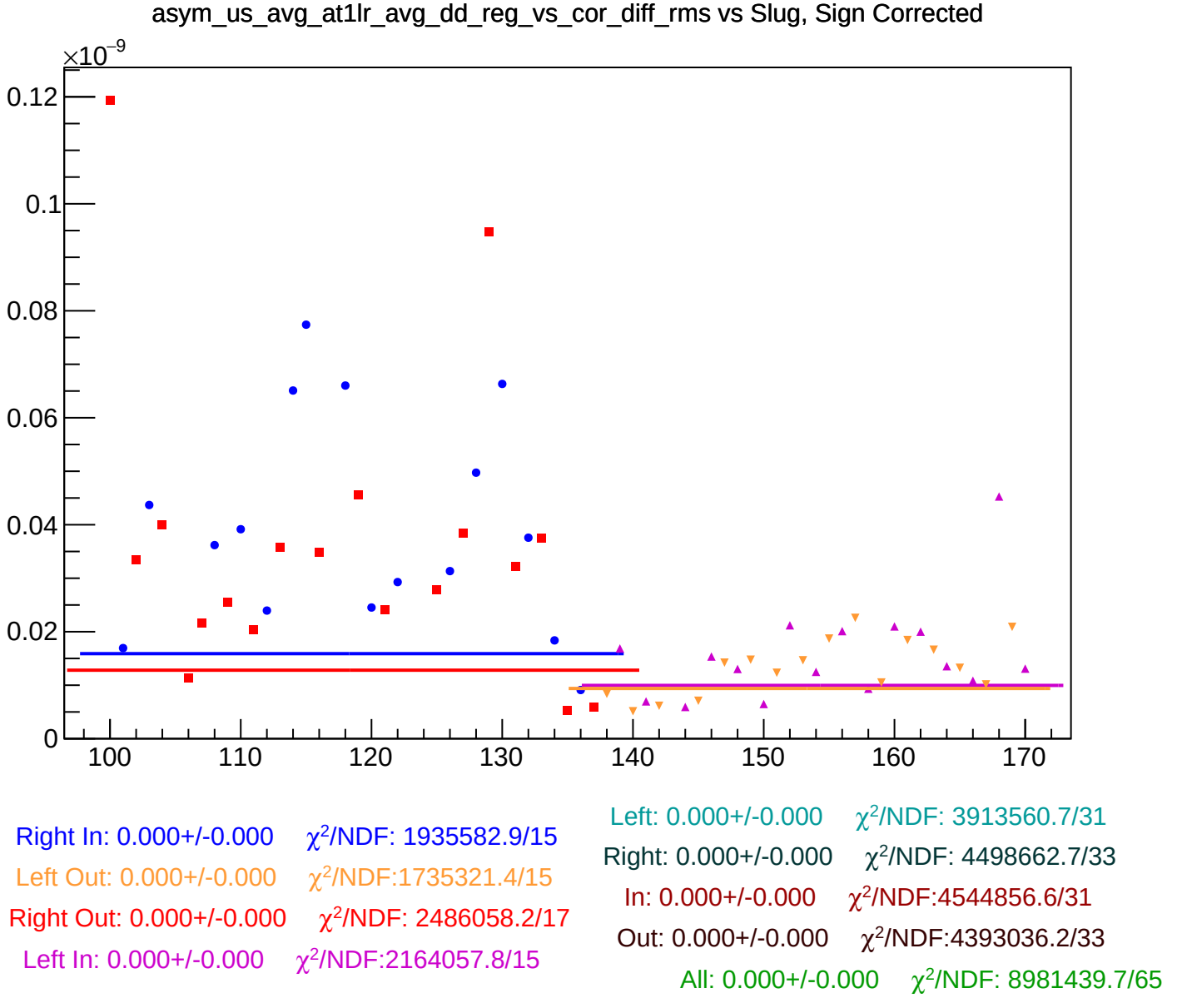
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1946.290+/-0.308 χ^2/NDF:1074909.4/31

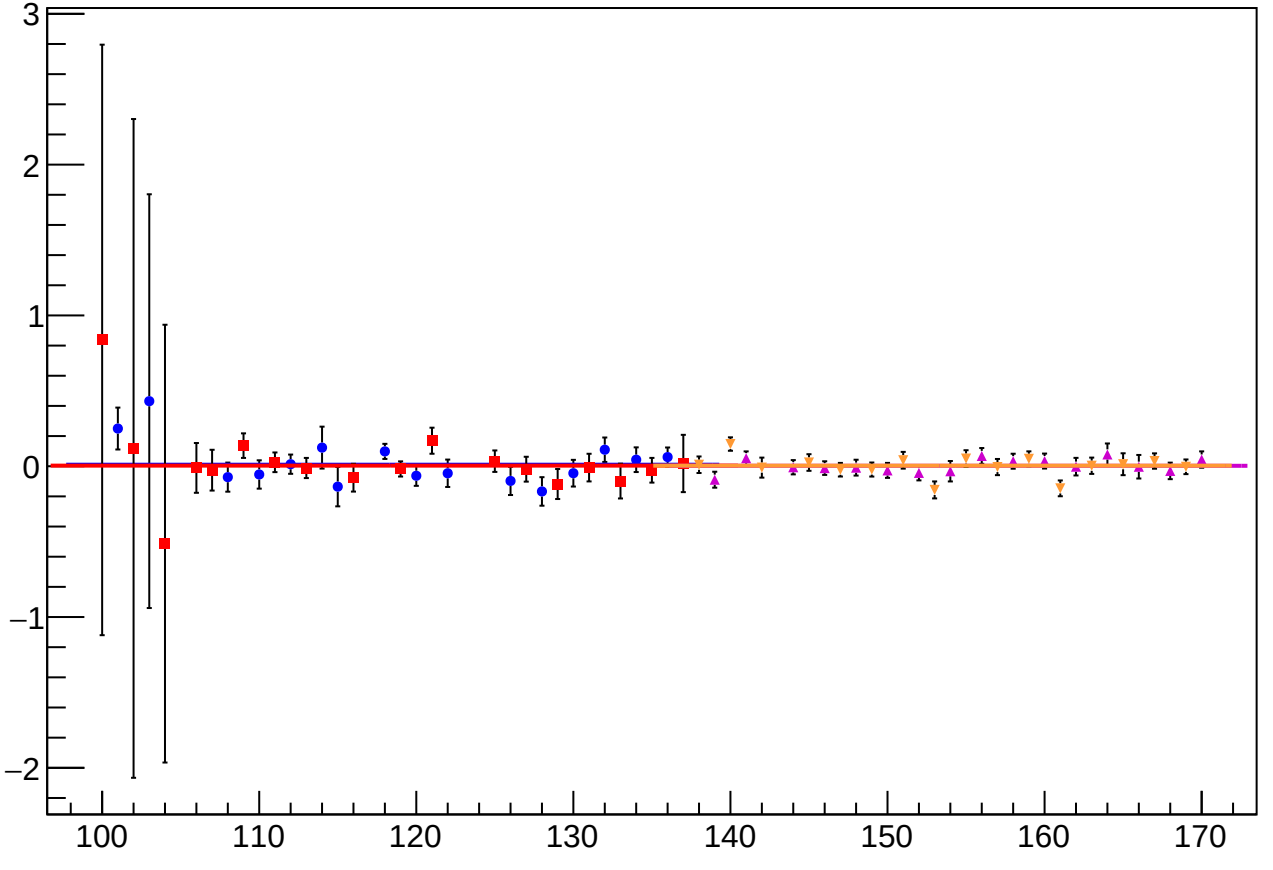
Out: 1955.529+/-0.313 χ^2/NDF:813307.3/33

All: 1950.836+/-0.220 χ^2/NDF: 1888658.4/65


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:13.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/15
Left: 0.000+/-0.000 χ²/NDF: 26.9/31
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.6/31
Out: 0.000+/-0.000 χ²/NDF:38.4/33
All: 0.000+/-0.000 χ²/NDF: 69.0/65


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1735321.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:2164057.8/15
Left: 0.000+/-0.000 χ²/NDF: 3913560.7/31
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:4544856.6/31
Out: 0.000+/-0.000 χ²/NDF:4393036.2/33
All: 0.000+/-0.000 χ²/NDF: 8981439.7/65

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.013 χ^2/NDF:30.0/15

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.003+/-0.009 χ^2/NDF: 40.5/31

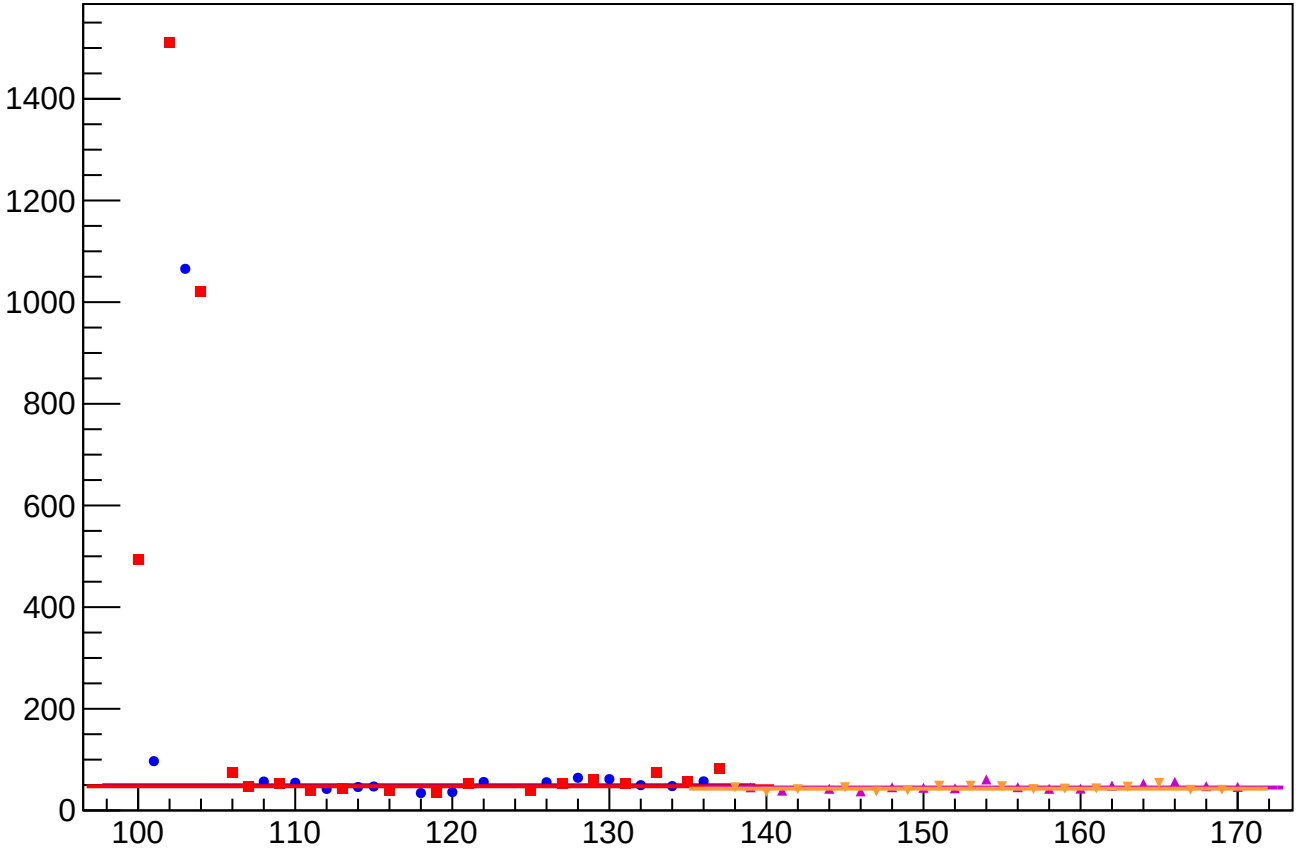
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.004+/-0.011 χ^2/NDF:40.5/33

All: 0.004+/-0.008 χ^2/NDF: 69.5/65

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.924+/-0.009 χ^2/NDF:217734.2/15

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.045+/-0.009 χ^2/NDF:295985.2/15

Left: 43.976+/-0.007 χ^2/NDF: 539444.0/31

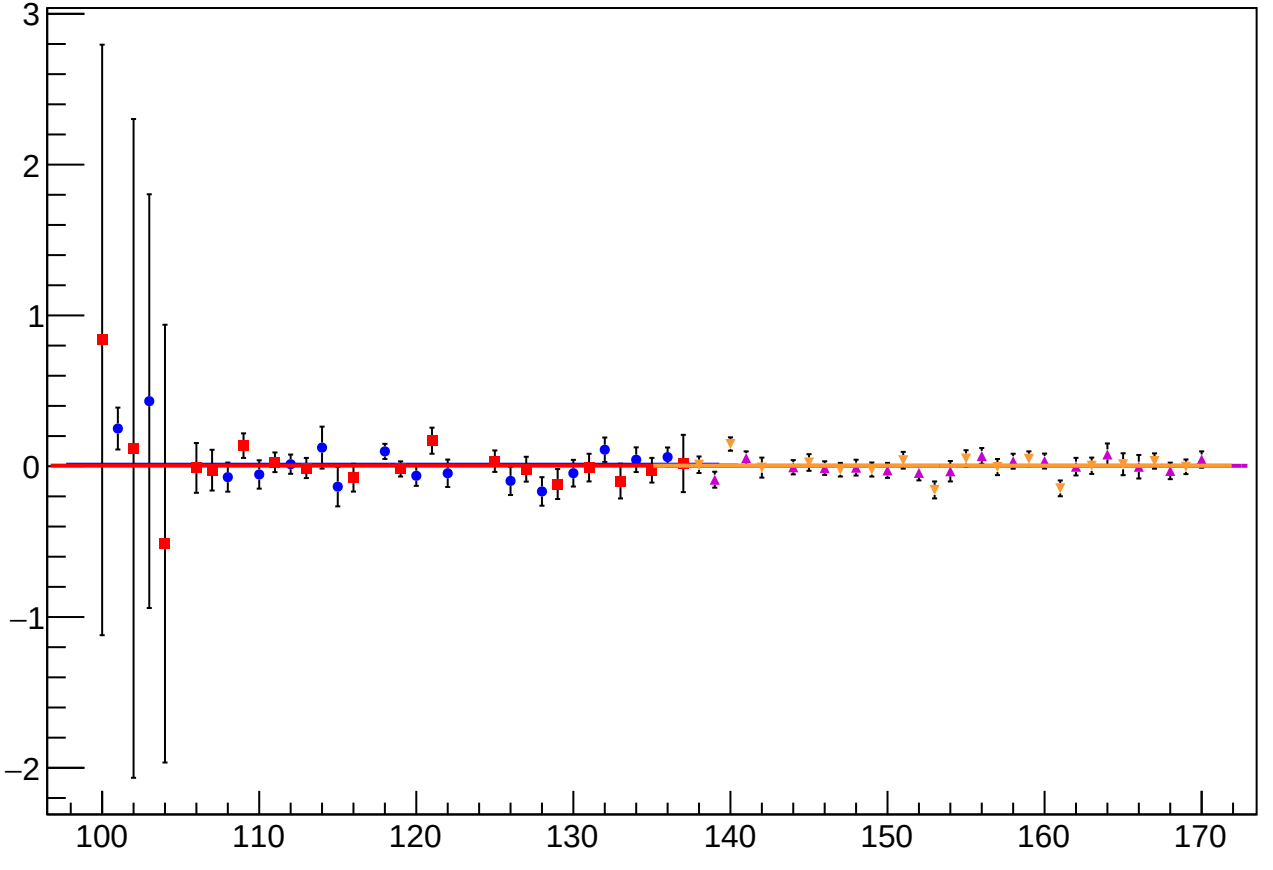
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.274+/-0.008 χ^2/NDF:2132705.2/31

Out: 44.200+/-0.008 χ^2/NDF:2704766.7/33

All: 45.238+/-0.006 χ^2/NDF: 4871622.0/65

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.013 χ^2/NDF:30.0/15

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.003+/-0.009 χ^2/NDF: 40.5/31

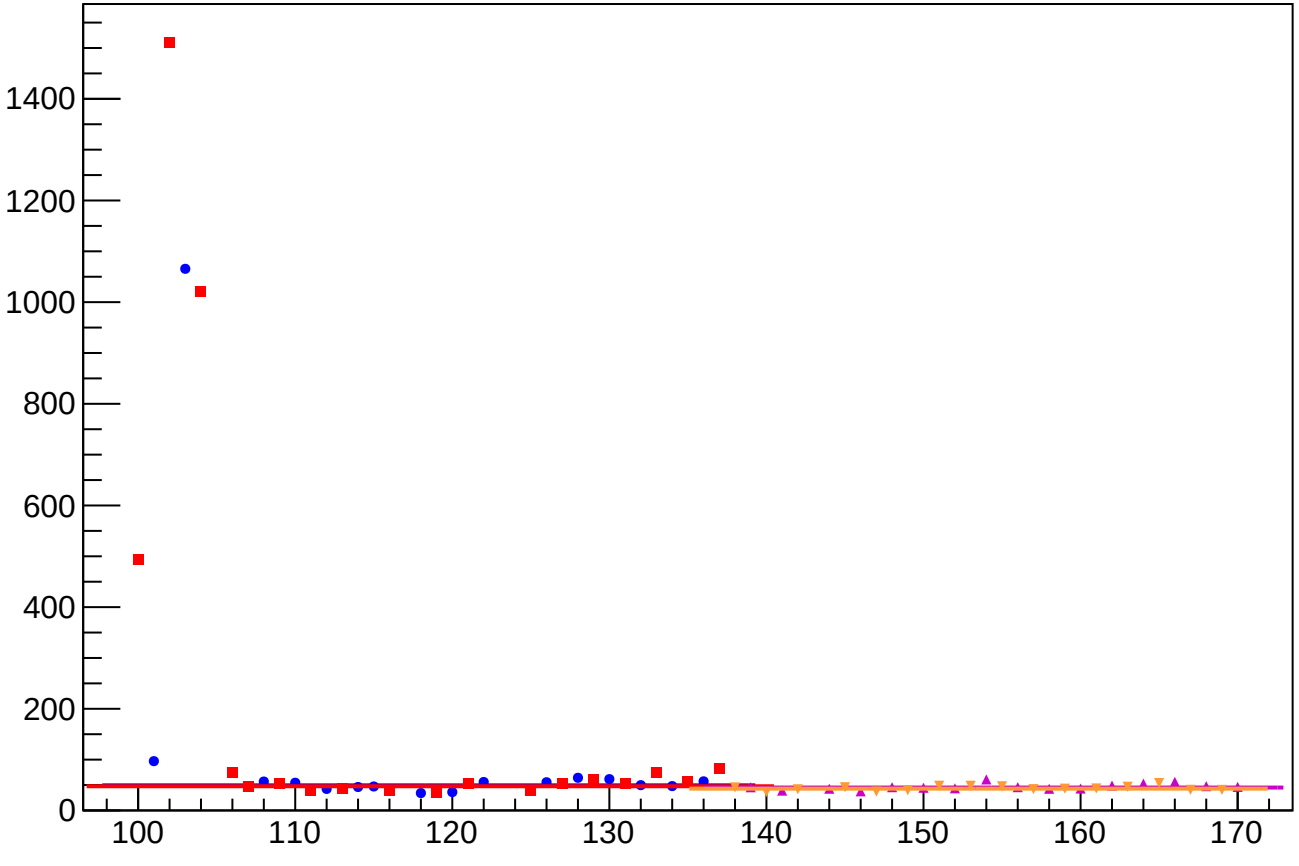
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.004+/-0.011 χ^2/NDF:40.5/33

All: 0.004+/-0.008 χ^2/NDF: 69.5/65

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.924+/-0.009 χ^2/NDF:217734.2/15

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.045+/-0.009 χ^2/NDF:295985.2/15

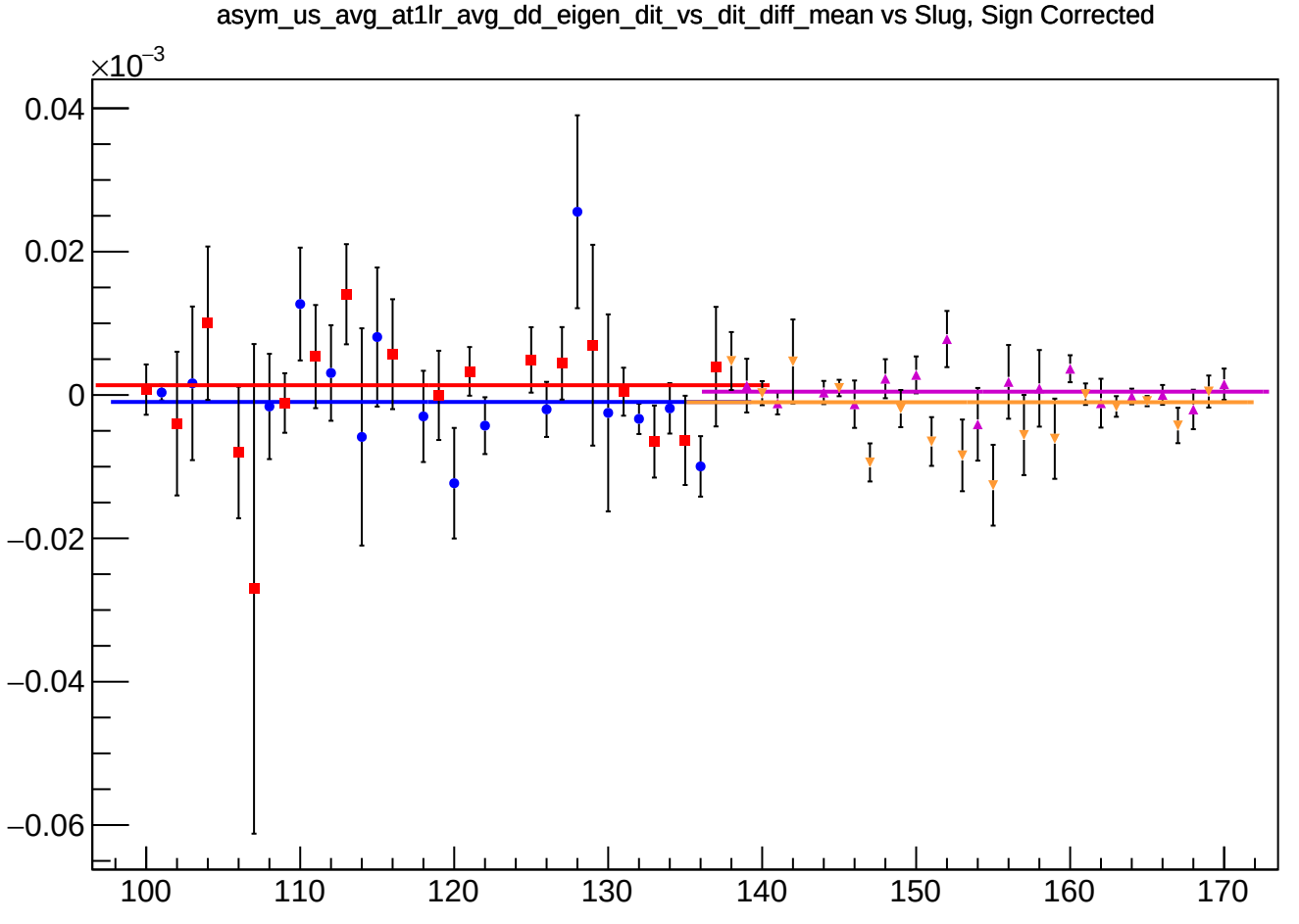
Left: 43.976+/-0.007 χ^2/NDF: 539444.0/31

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.274+/-0.008 χ^2/NDF:2132705.2/31

Out: 44.200+/-0.008 χ^2/NDF:2704766.7/33

All: 45.238+/-0.006 χ^2/NDF: 4871622.0/65



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.7/15

Left: -0.000+/-0.000 χ^2/NDF: 46.3/31

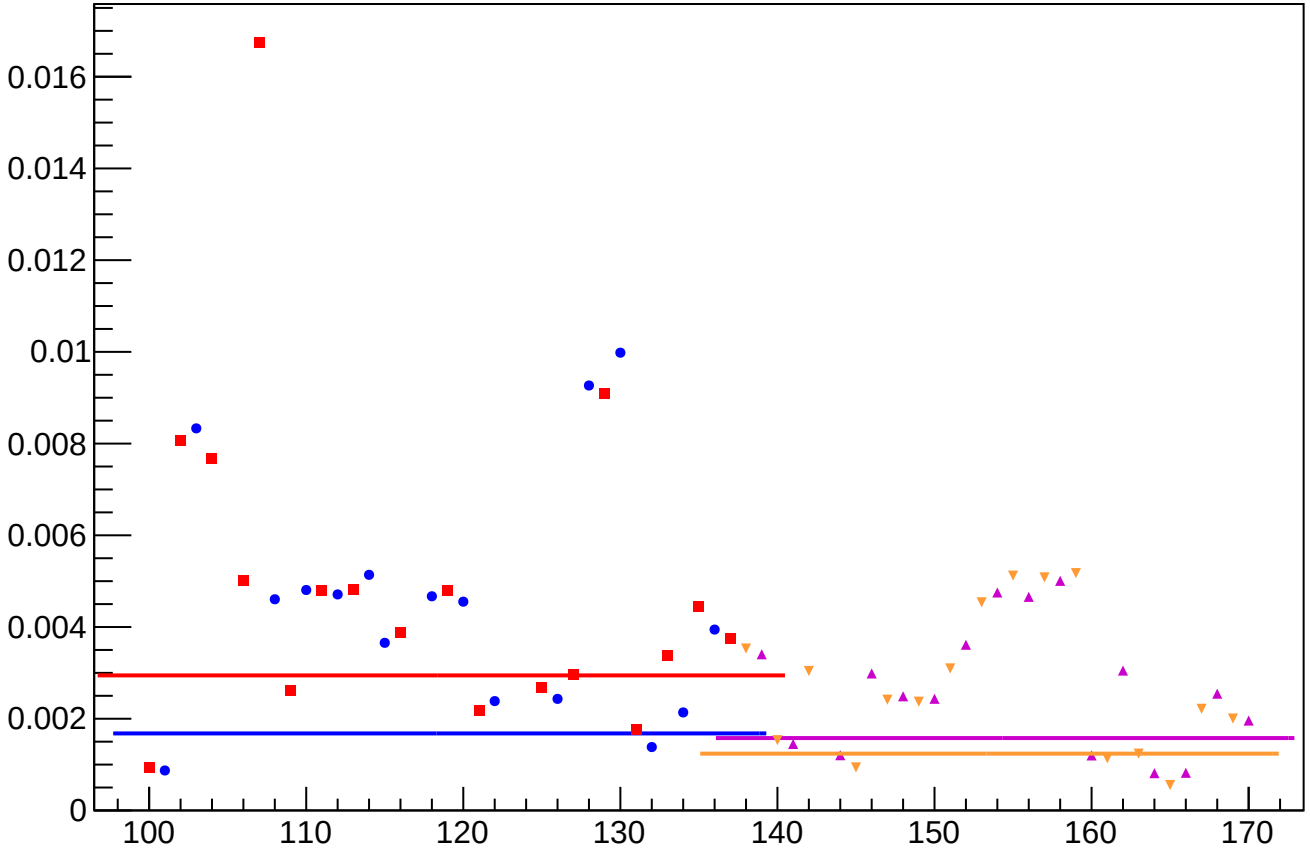
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:32.5/31

Out: -0.000+/-0.000 χ^2/NDF:45.7/33

All: -0.000+/-0.000 χ^2/NDF: 79.9/65

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:8535507.9/15

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:6607924.0/15

Left: 0.001+/-0.000 χ^2/NDF: 15616530.3/31

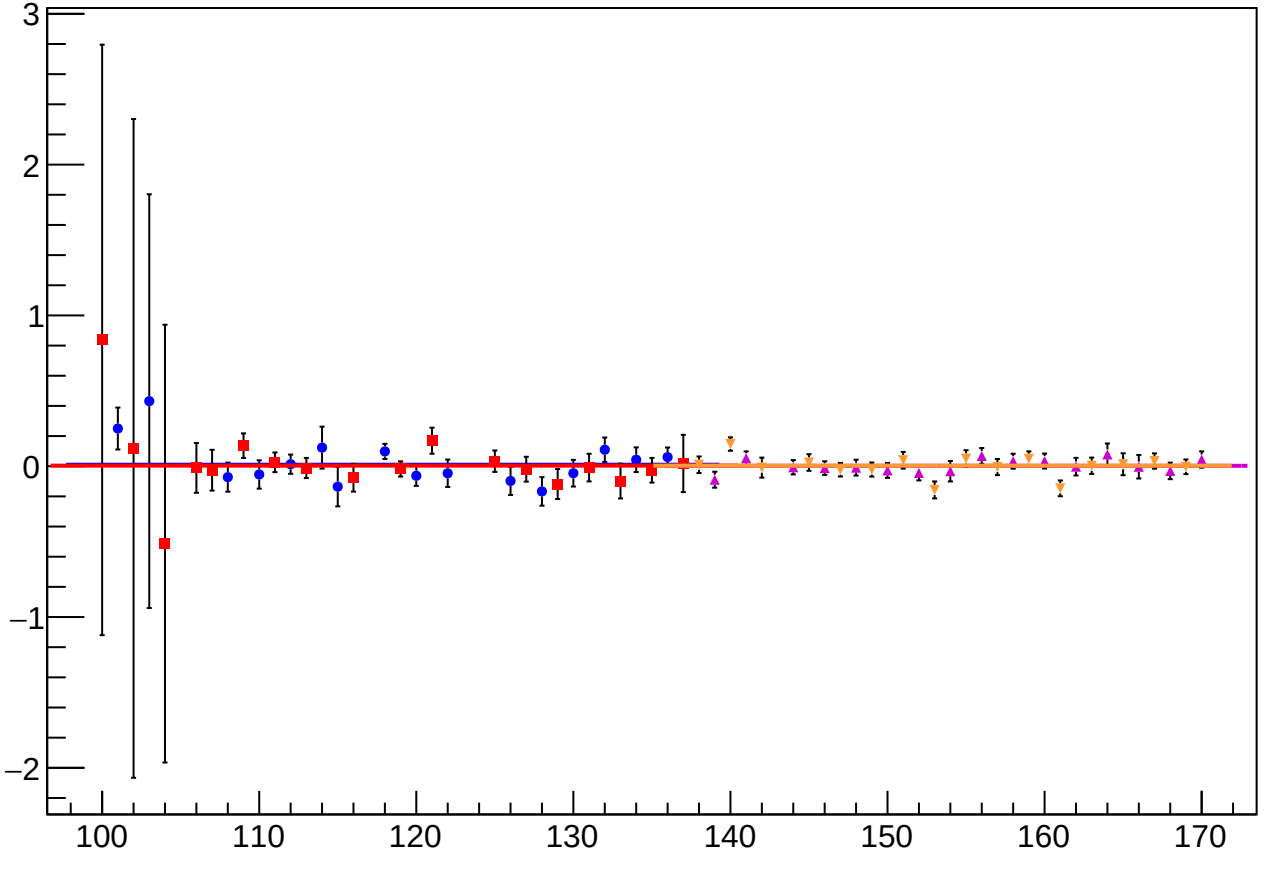
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12589168.2/31

Out: 0.001+/-0.000 χ^2/NDF:15038502.4/33

All: 0.002+/-0.000 χ^2/NDF: 27807023.2/65

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.013 χ^2/NDF:30.0/15

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.003+/-0.009 χ^2/NDF: 40.5/31

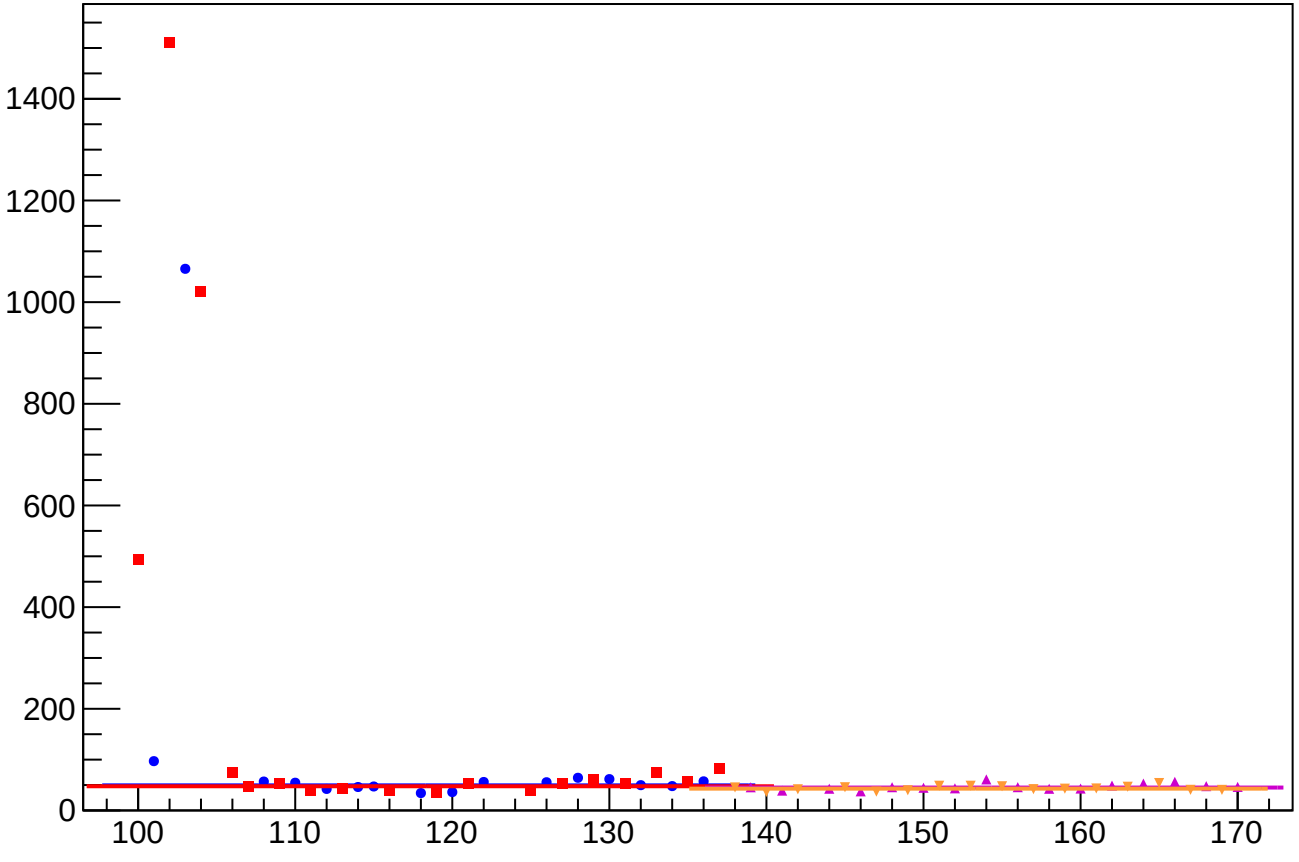
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.004+/-0.011 χ^2/NDF:40.5/33

All: 0.004+/-0.008 χ^2/NDF: 69.5/65

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.925+/-0.009 χ^2/NDF:217752.3/15

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.045+/-0.009 χ^2/NDF:296046.5/15

Left: 43.976+/-0.007 χ^2/NDF: 539511.1/31

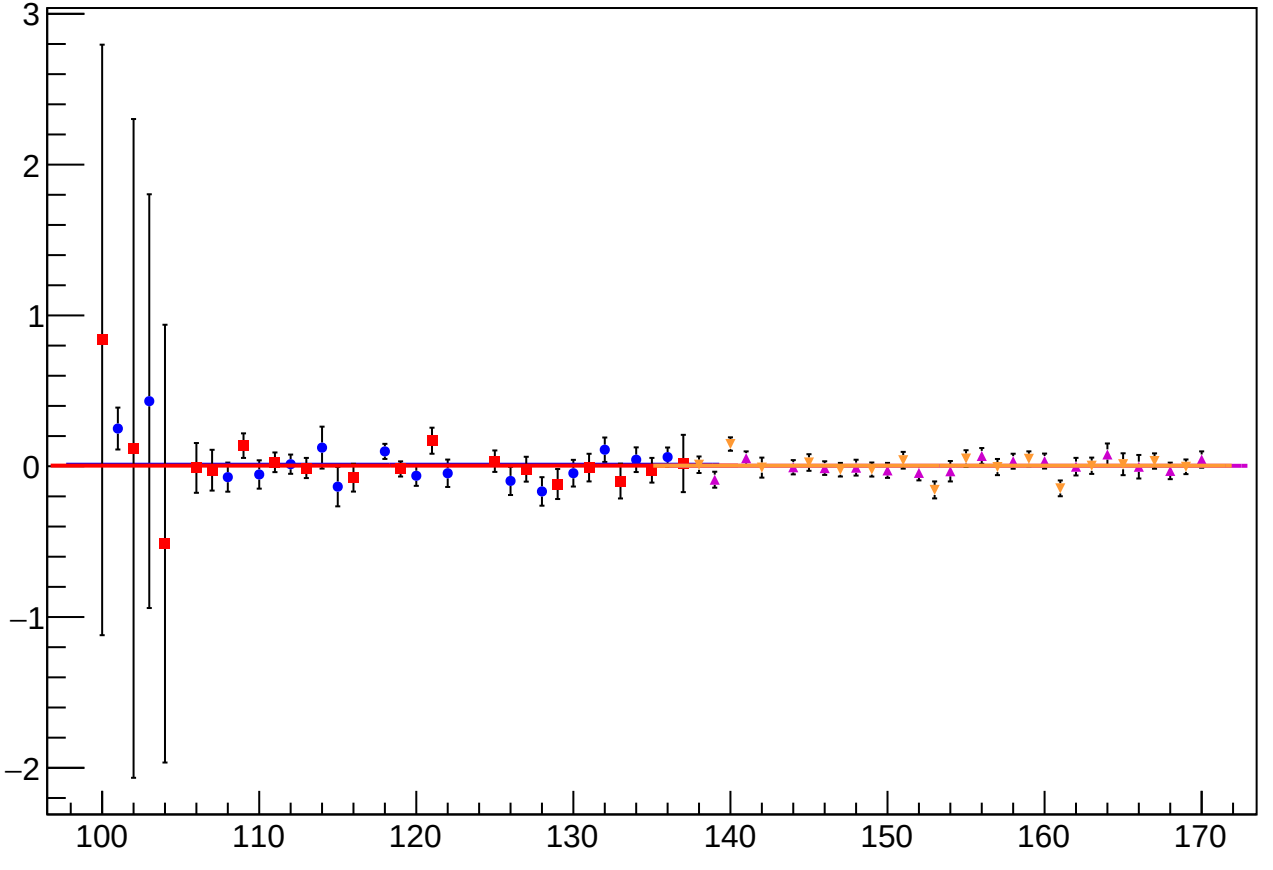
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.274+/-0.008 χ^2/NDF:2132713.3/31

Out: 44.200+/-0.008 χ^2/NDF:2704789.1/33

All: 45.238+/-0.006 χ^2/NDF: 4871650.6/65

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-0.013 χ^2/NDF:30.0/15

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.003+/-0.009 χ^2/NDF: 40.5/31

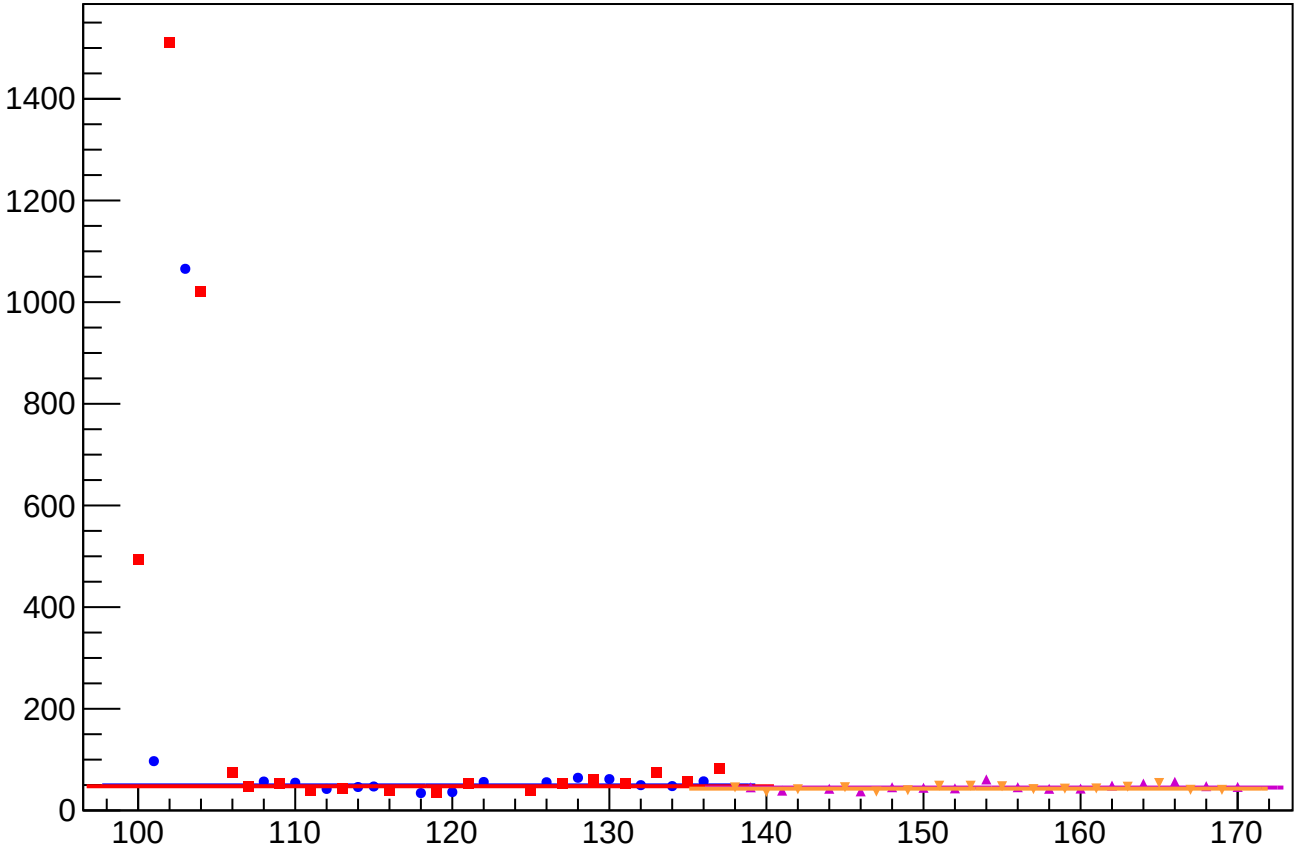
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.004+/-0.011 χ^2/NDF:40.5/33

All: 0.004+/-0.008 χ^2/NDF: 69.5/65

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.925+/-0.009 χ^2/NDF:217752.3/15

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.045+/-0.009 χ^2/NDF:296046.5/15

Left: 43.976+/-0.007 χ^2/NDF: 539511.1/31

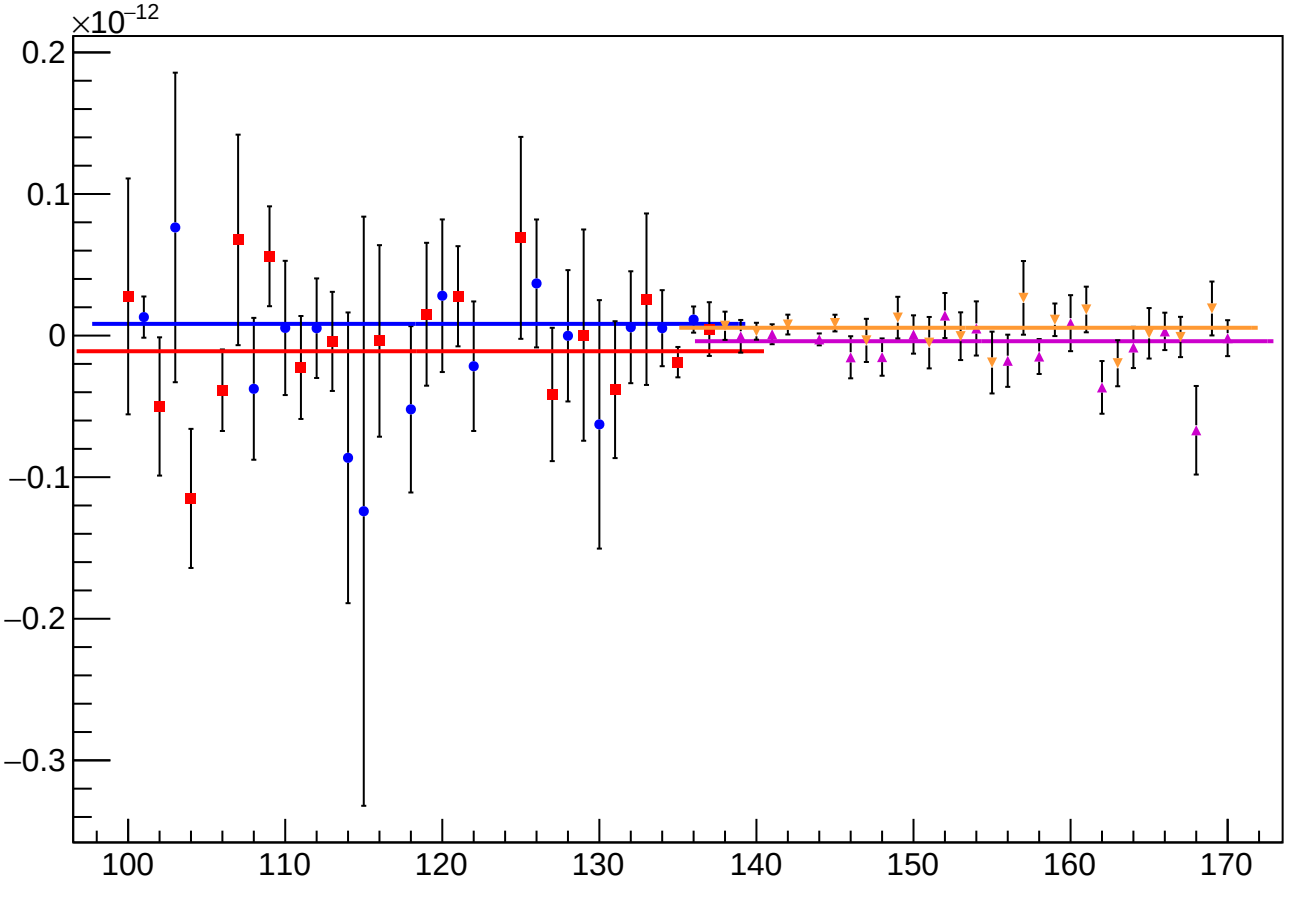
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.274+/-0.008 χ^2/NDF:2132713.3/31

Out: 44.200+/-0.008 χ^2/NDF:2704789.1/33

All: 45.238+/-0.006 χ^2/NDF: 4871650.6/65

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/15

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/15

Left: 0.000+/-0.000 χ^2/NDF: 26.6/31

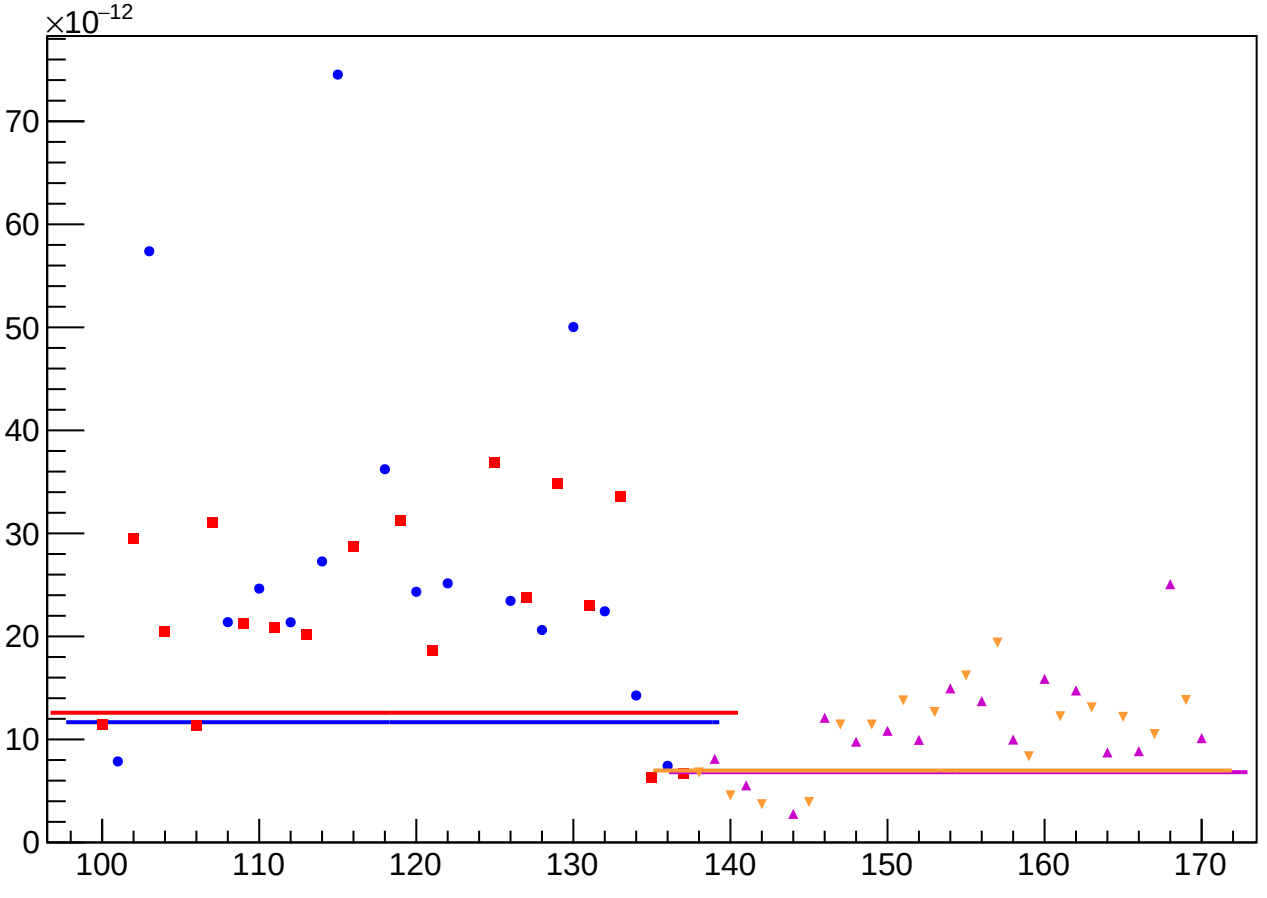
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:21.2/31

Out: 0.000+/-0.000 χ^2/NDF:28.4/33

All: 0.000+/-0.000 χ^2/NDF: 52.1/65

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4058901.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5004635.4/15

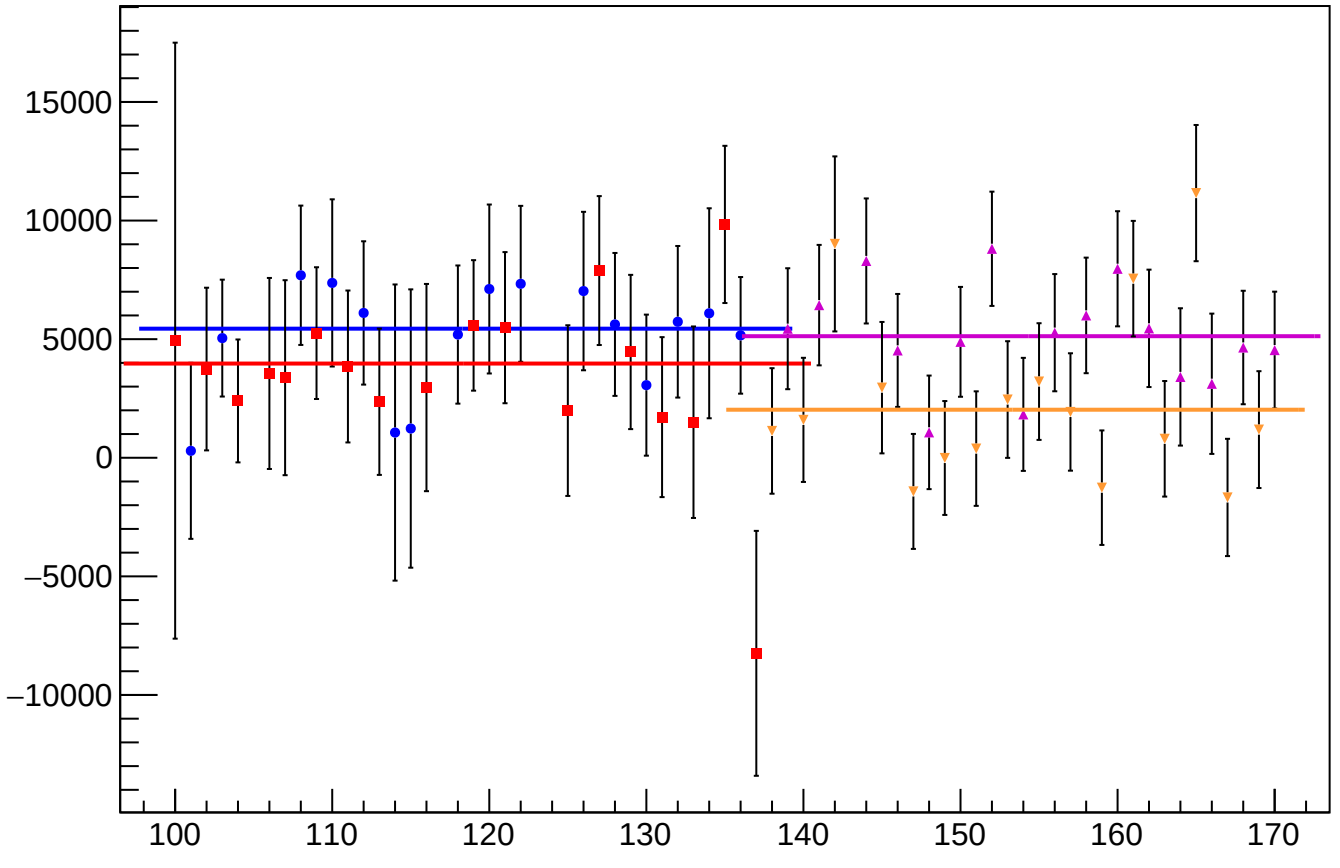
Left: 0.000+/-0.000 χ^2/NDF: 9067177.5/31

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8821998.0/31

Out: 0.000+/-0.000 χ^2/NDF:8034233.0/33

All: 0.000+/-0.000 χ^2/NDF: 16862331.0/65



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2025.328+/-637.528 χ^2/NDF:27.0/15

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5125.160+/-622.899 χ^2/NDF:11.4/15

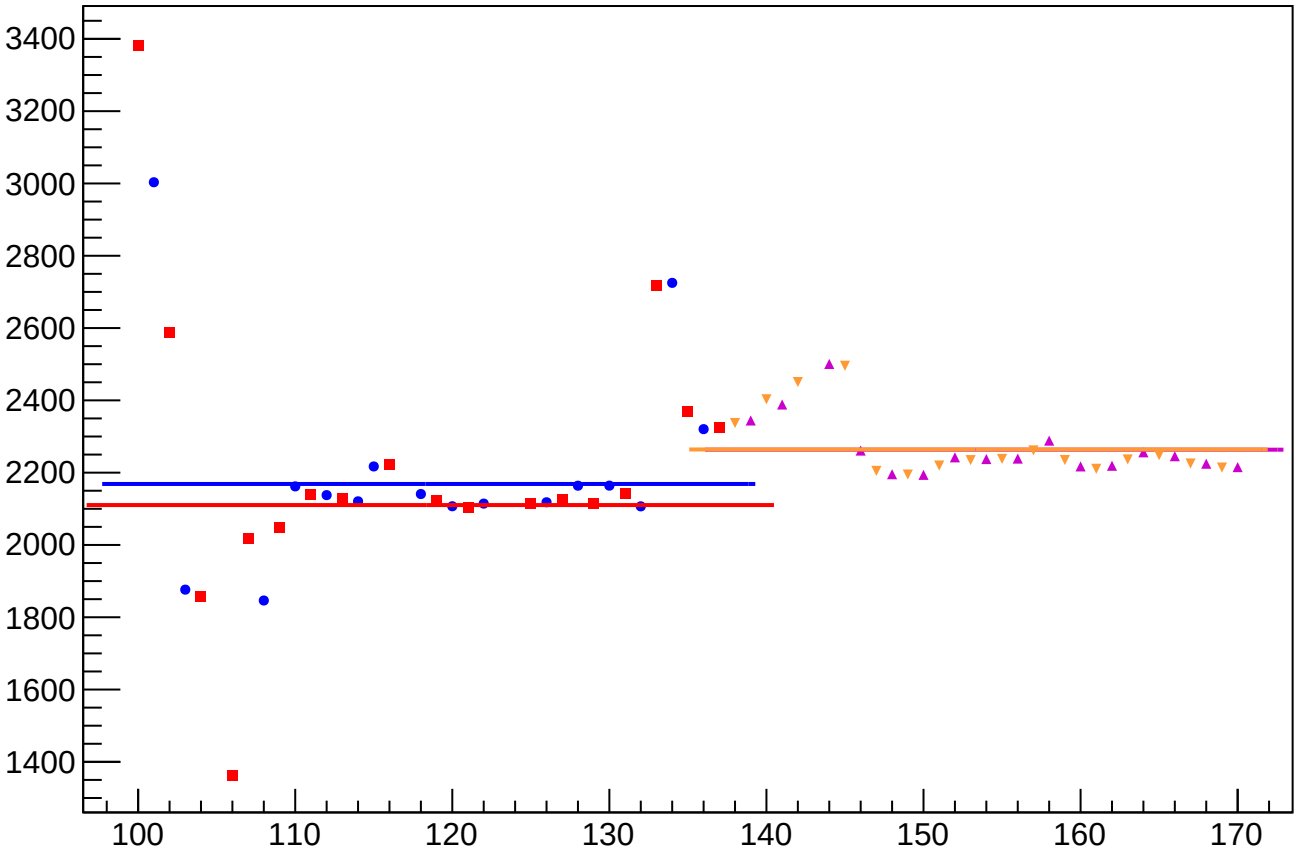
Left: 3611.217+/-445.538 χ^2/NDF: 50.5/31

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

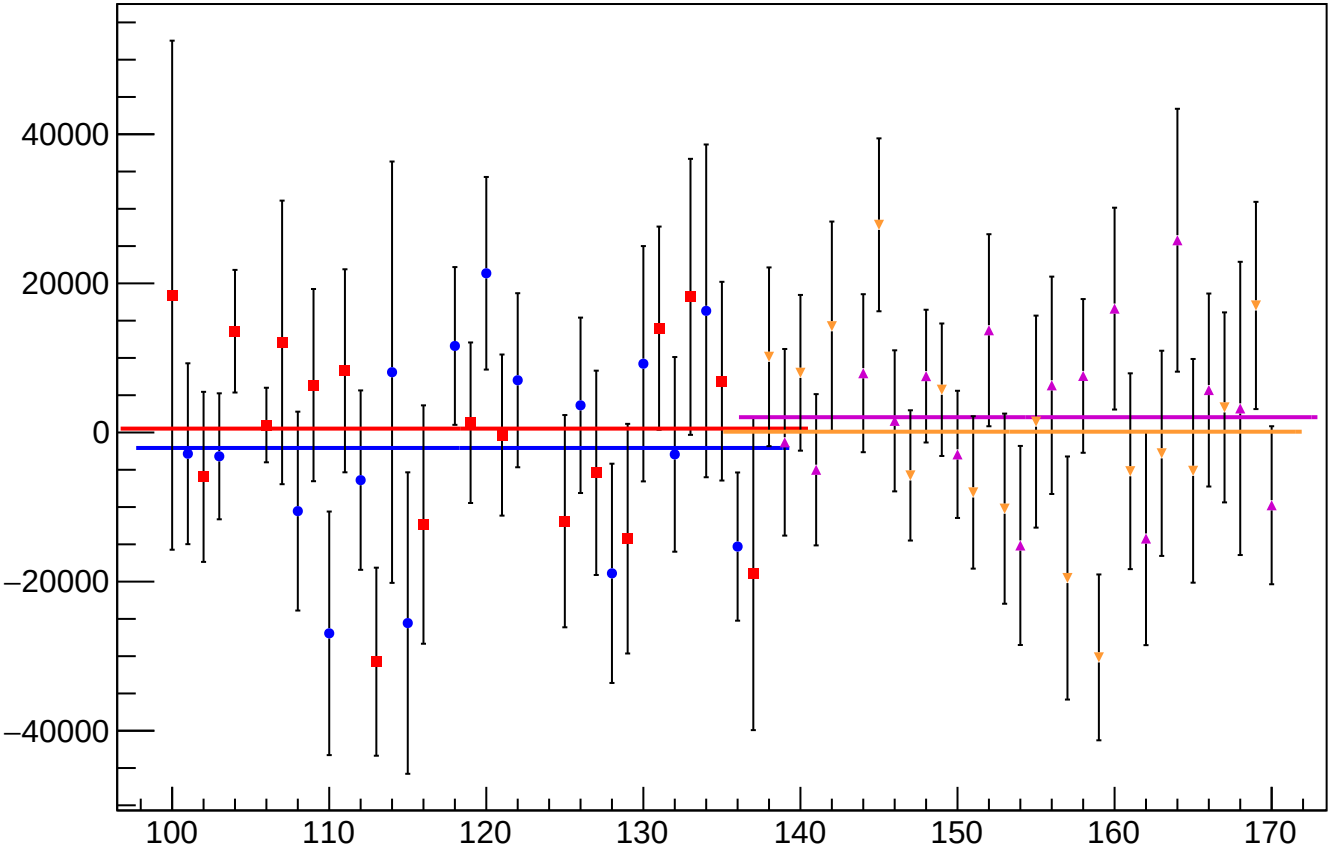
In: 5242.565+/-494.349 χ^2/NDF:16.8/31

Out: 2770.972+/-500.738 χ^2/NDF:43.6/33

All: 4022.636+/-351.795 χ^2/NDF: 72.7/65


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2264.140+/-0.451 χ²/NDF:33201.1/15
Right Out: 2110.365+/-0.563 χ²/NDF: 267413.4/17
Left In: 2263.538+/-0.440 χ²/NDF:30020.6/15
Left: 2263.832+/-0.315 χ²/NDF: 63222.7/31
Right: 2138.947+/-0.402 χ²/NDF: 468334.9/33
In: 2228.439+/-0.350 χ²/NDF:242835.5/31
Out: 2204.062+/-0.352 χ²/NDF:346074.3/33
All: 2216.331+/-0.248 χ²/NDF: 591325.1/65

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: 107.027+/-2964.391 χ^2/NDF:20.9/15

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2052.486+/-2894.766 χ^2/NDF:10.0/15

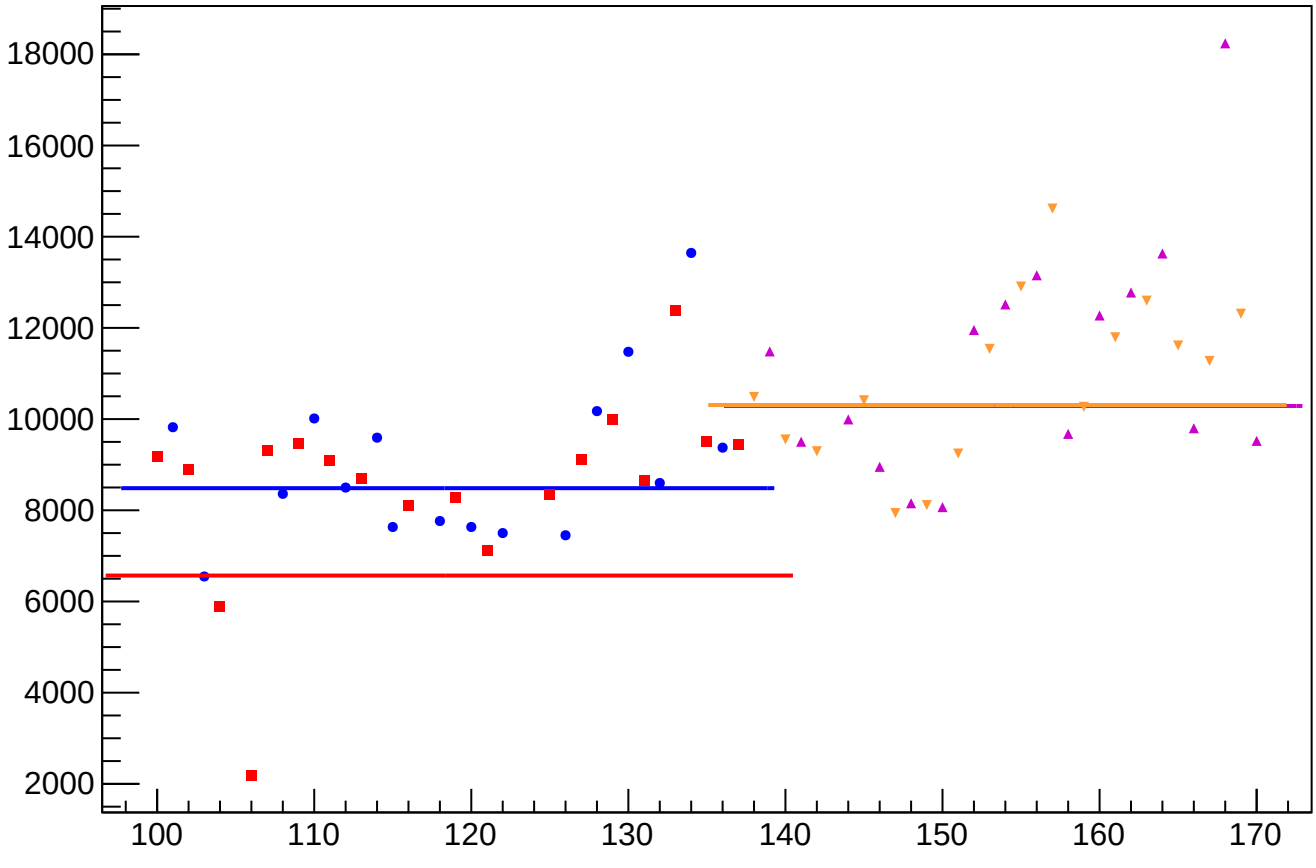
Left: 1102.871+/-2071.086 χ^2/NDF: 31.2/31

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 202.710+/-2150.370 χ^2/NDF:25.4/31

Out: 332.359+/-2002.402 χ^2/NDF:36.6/33

All: 272.148+/-1465.433 χ^2/NDF: 62.0/65



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10308.642+/-2.096 χ^2/NDF:686719.2/15

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10287.607+/-2.047 χ^2/NDF:1011340.2/15

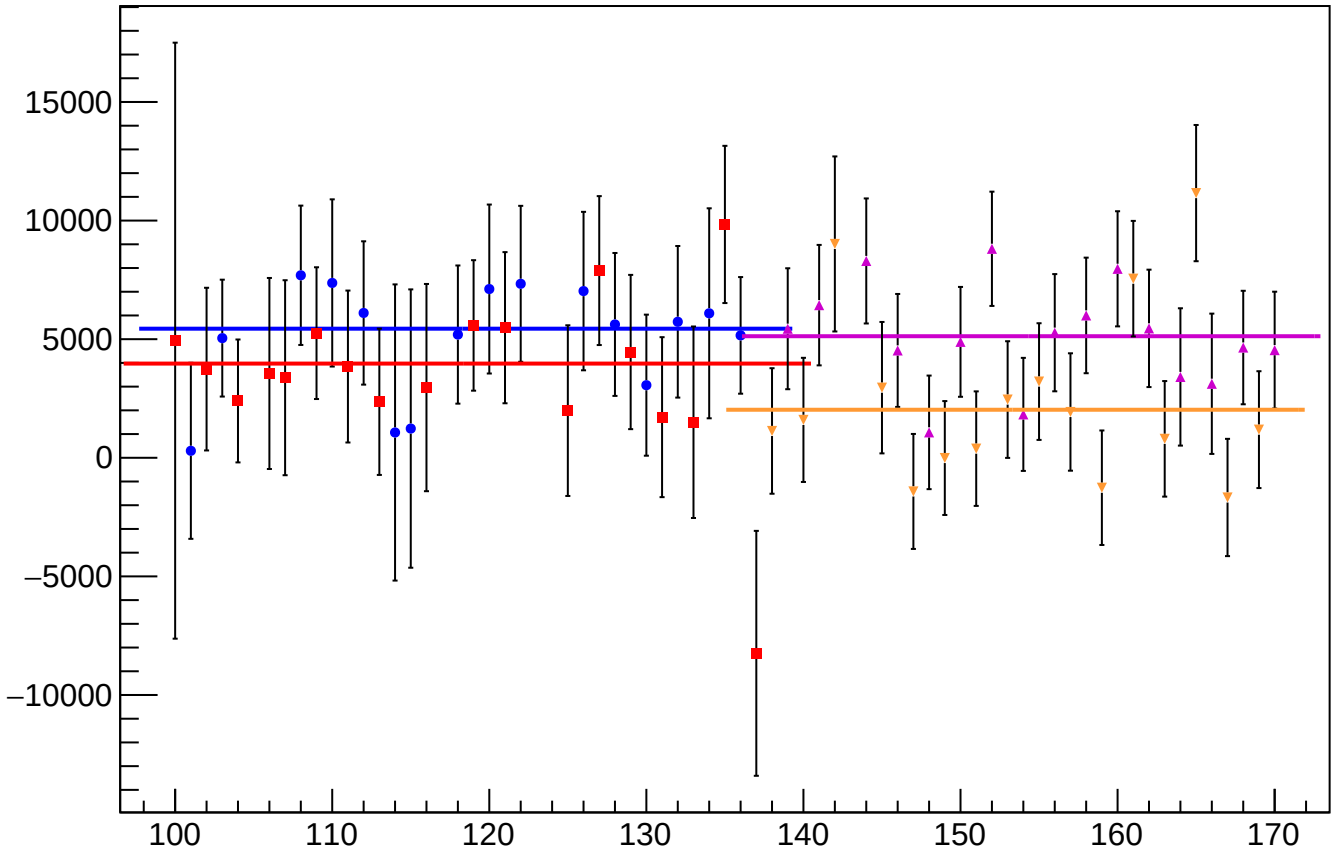
Left: 10297.875+/-1.464 χ^2/NDF: 1698110.9/31

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9479.719+/-1.521 χ^2/NDF:1781626.8/31

Out: 8275.167+/-1.416 χ^2/NDF:4986464.5/33

All: 8834.578+/-1.036 χ^2/NDF: 7104202.9/65



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2025.171+/-637.528 χ^2/NDF:27.0/15

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5125.219+/-622.899 χ^2/NDF:11.4/15

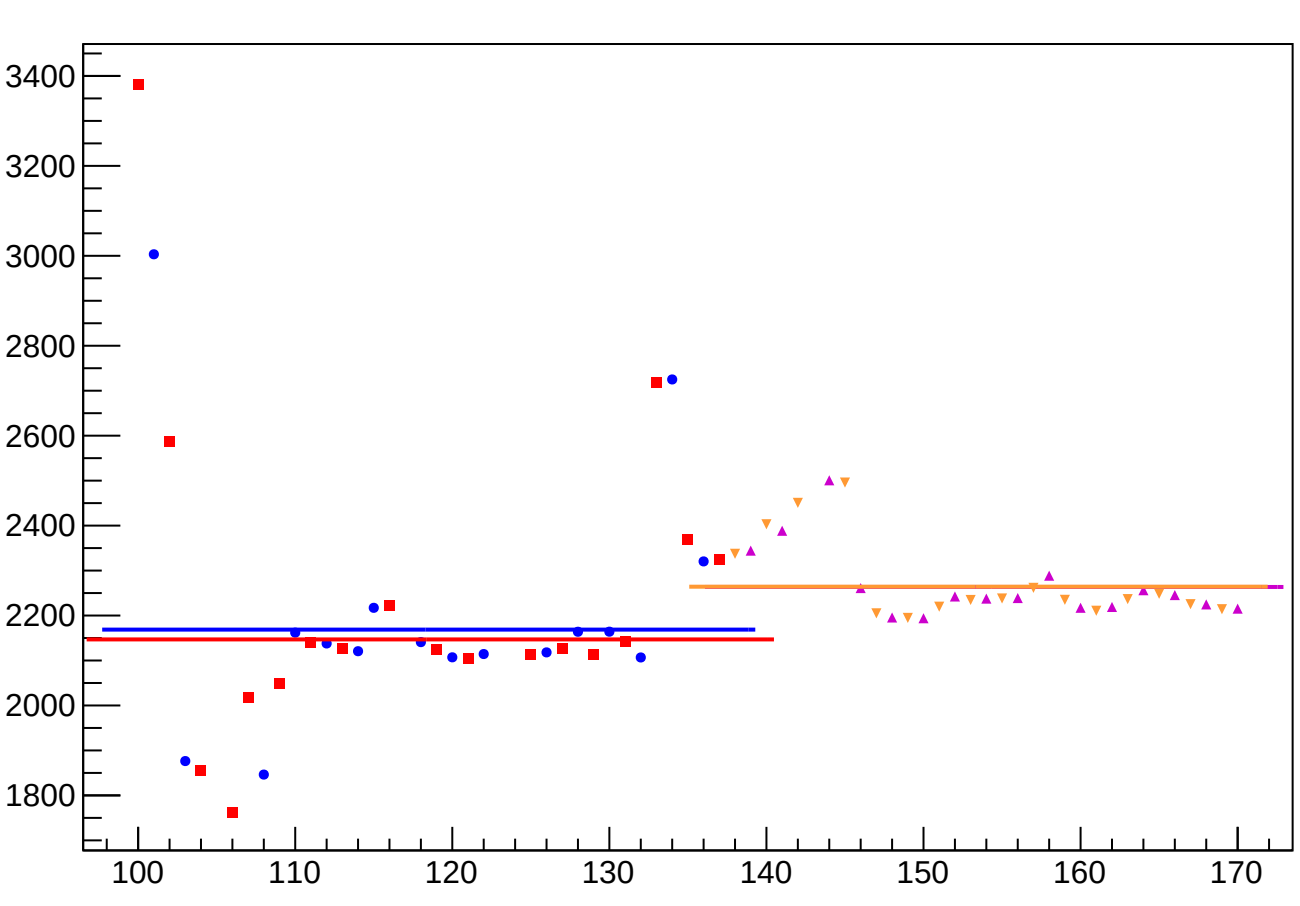
Left: 3611.170+/-445.538 χ^2/NDF: 50.5/31

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

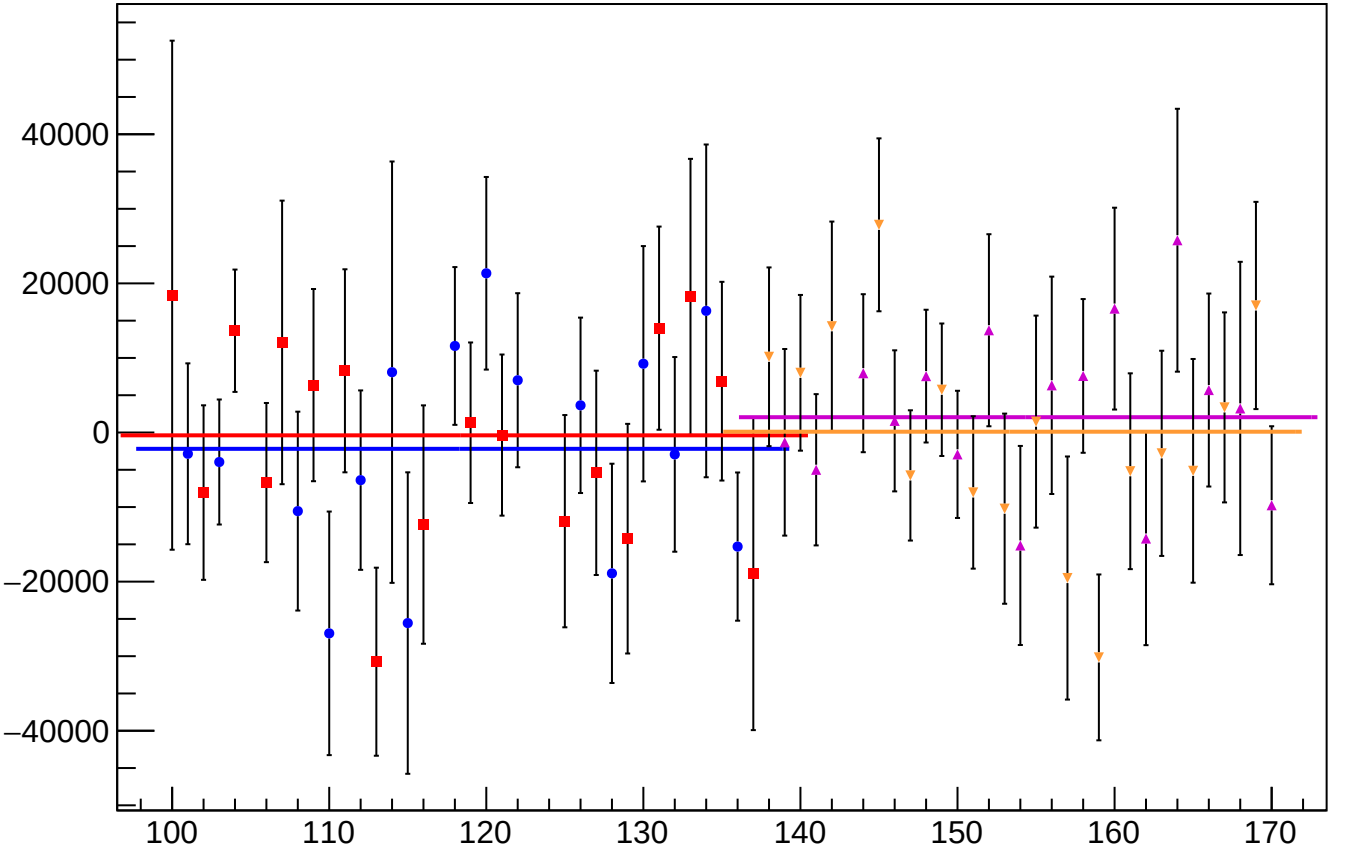
In: 5242.654+/-494.349 χ^2/NDF:16.8/31

Out: 2770.776+/-500.738 χ^2/NDF:43.6/33

All: 4022.585+/-351.795 χ^2/NDF: 72.7/65


cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2264.140+/-0.451 χ²/NDF:33201.1/15
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2263.538+/-0.440 χ²/NDF:30020.6/15
Left: 2263.832+/-0.315 χ²/NDF: 63222.6/31
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2228.439+/-0.350 χ²/NDF:242835.9/31
Out: 2218.946+/-0.353 χ²/NDF:217027.3/33
All: 2223.744+/-0.249 χ²/NDF: 460227.9/65

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 106.973+/-2964.389 χ^2/NDF:20.9/15

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2052.652+/-2894.764 χ^2/NDF:10.0/15

Left: 1102.930+/-2071.085 χ^2/NDF: 31.2/31

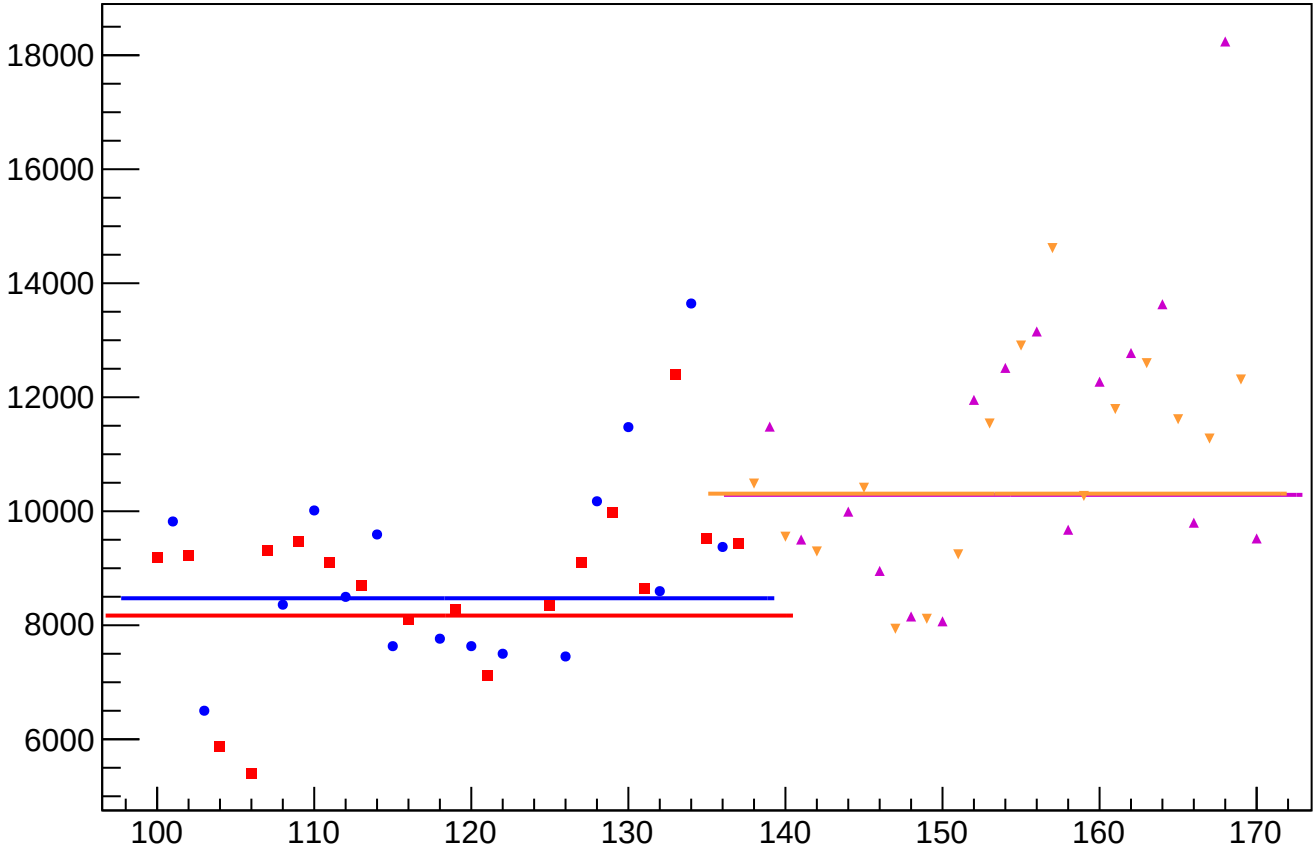
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 149.192+/-2149.297 χ^2/NDF:25.5/31

Out: -125.268+/-2142.462 χ^2/NDF:37.2/33

All: 11.525+/-1517.360 χ^2/NDF: 62.7/65

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10308.633+/-2.096 χ^2/NDF:686720.5/15

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10287.600+/-2.047 χ^2/NDF:1011346.0/15

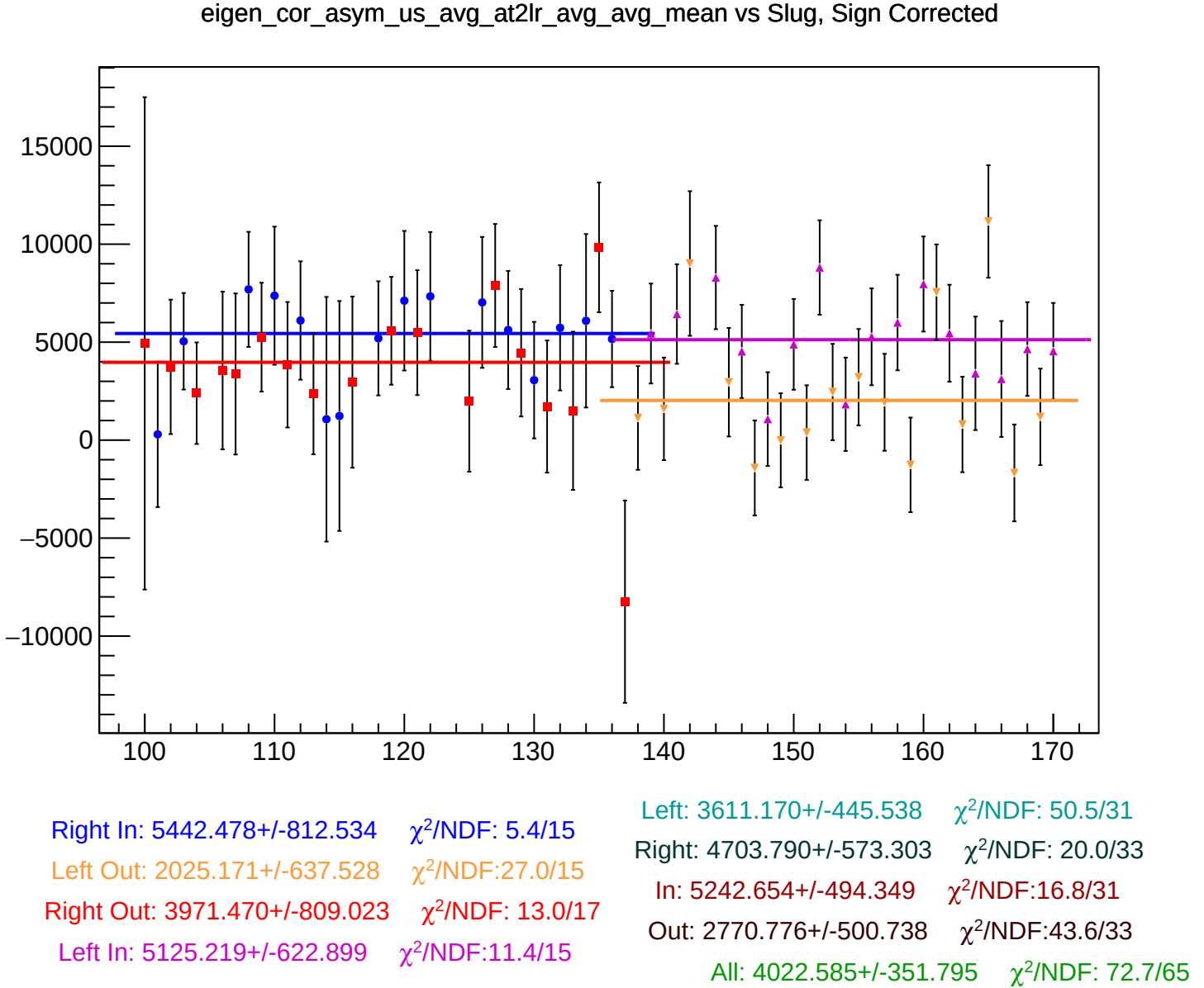
Left: 10297.866+/-1.464 χ^2/NDF: 1698118.1/31

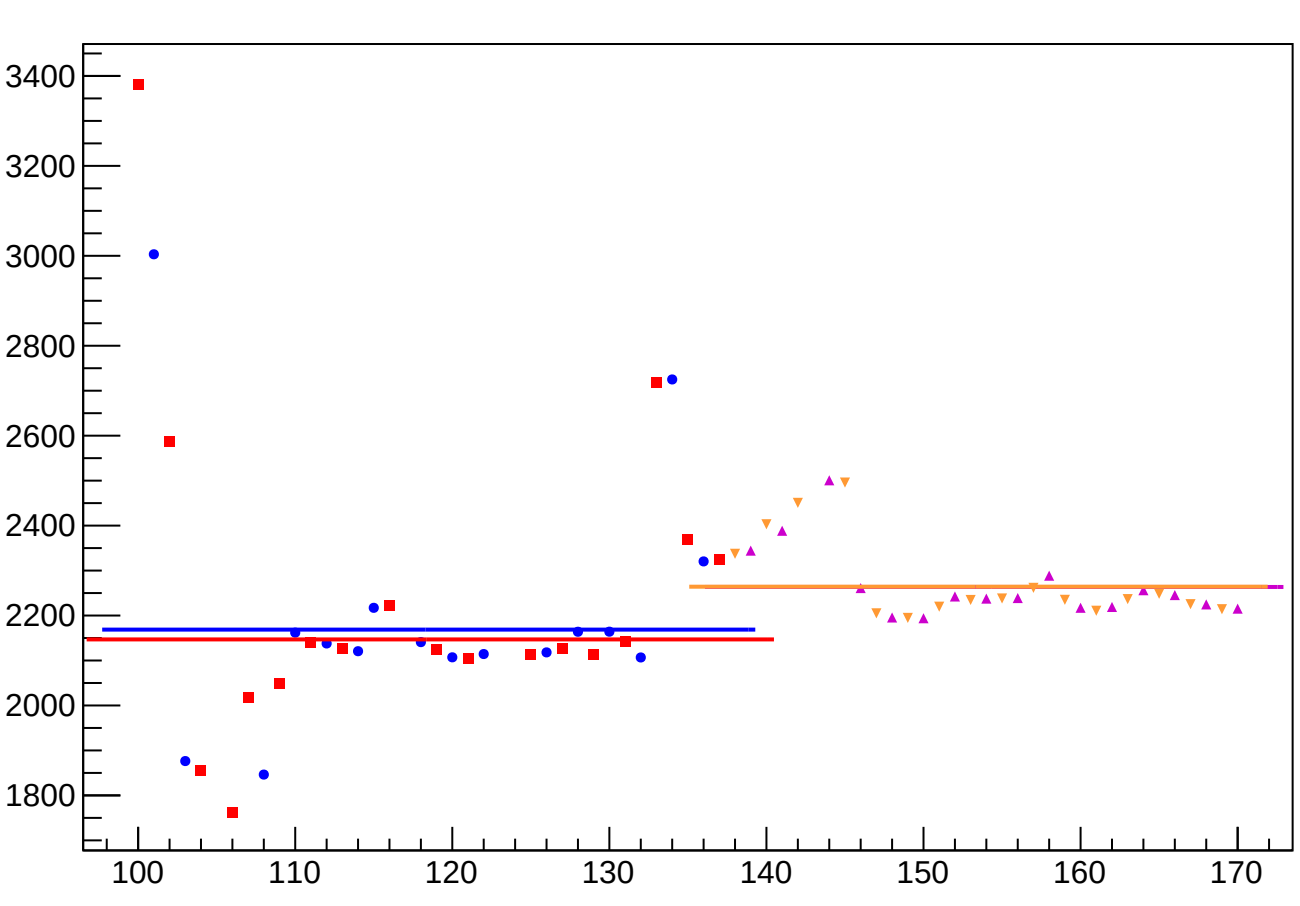
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

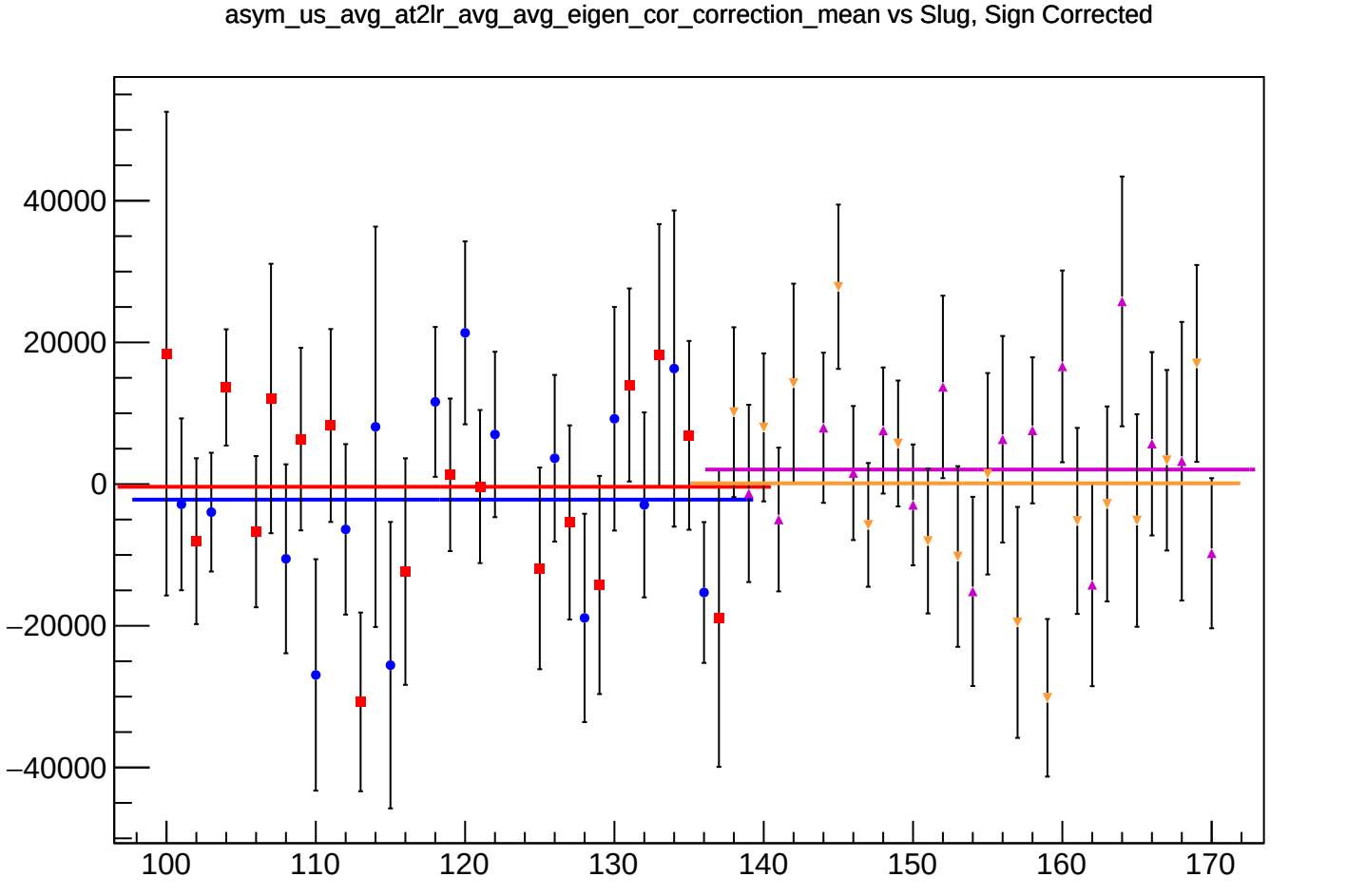
In: 9473.673+/-1.520 χ^2/NDF:1793257.6/31

Out: 9287.113+/-1.515 χ^2/NDF:1723853.0/33

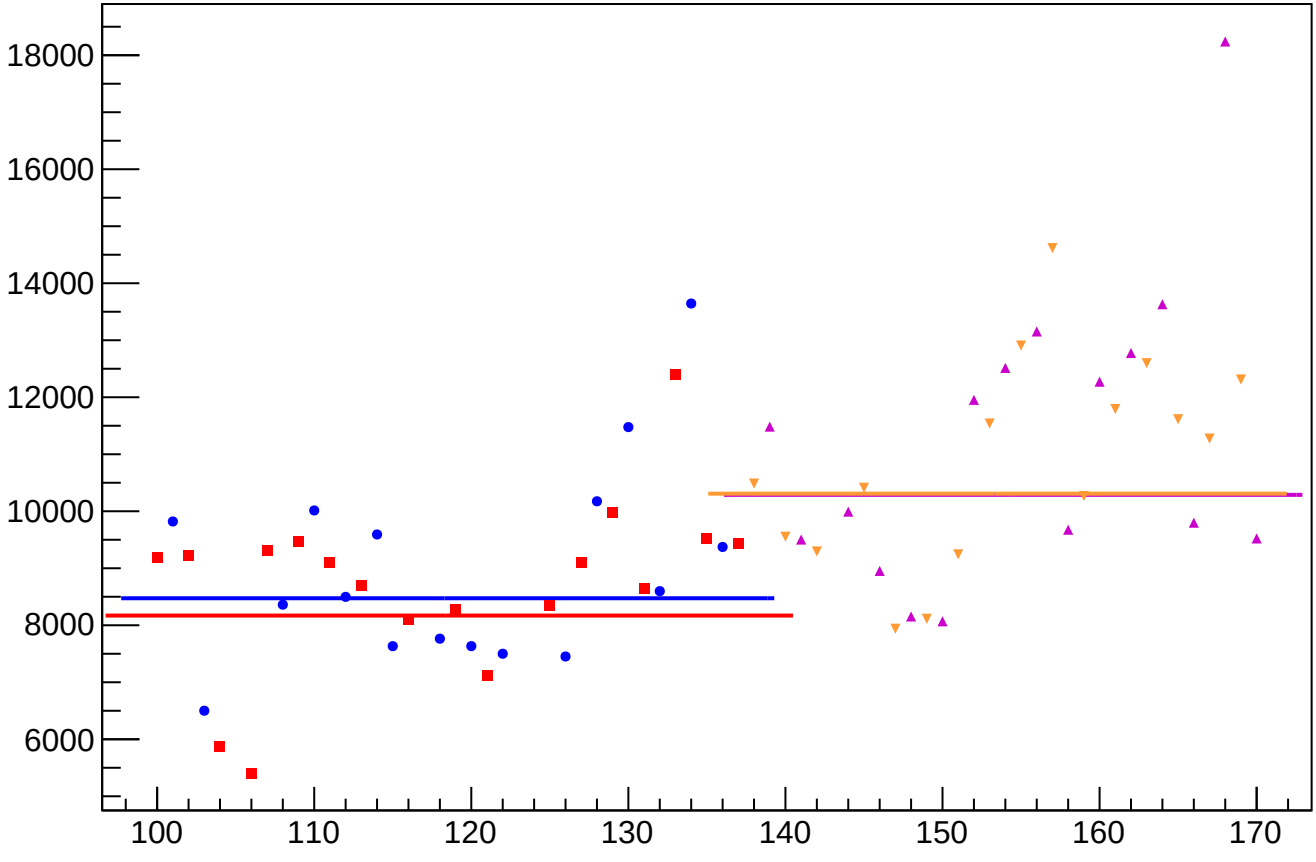
All: 9380.096+/-1.073 χ^2/NDF: 3524668.9/65


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: 2025.171+/-637.528 χ²/NDF:27.0/15
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5125.219+/-622.899 χ²/NDF:11.4/15
Left: 3611.170+/-445.538 χ²/NDF: 50.5/31
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5242.654+/-494.349 χ²/NDF:16.8/31
Out: 2770.776+/-500.738 χ²/NDF:43.6/33
All: 4022.585+/-351.795 χ²/NDF: 72.7/65


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2264.140+/-0.451 χ²/NDF:33201.1/15
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2263.538+/-0.440 χ²/NDF:30020.6/15
Left: 2263.832+/-0.315 χ²/NDF: 63222.6/31
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2228.439+/-0.350 χ²/NDF:242835.9/31
Out: 2218.946+/-0.353 χ²/NDF:217027.3/33
All: 2223.744+/-0.249 χ²/NDF: 460227.9/65


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 106.973+/-2964.389 χ²/NDF:20.9/15
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2052.652+/-2894.764 χ²/NDF:10.0/15
Left: 1102.930+/-2071.085 χ²/NDF: 31.2/31
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 149.192+/-2149.297 χ²/NDF:25.5/31
Out: -125.268+/-2142.462 χ²/NDF:37.2/33
All: 11.525+/-1517.360 χ²/NDF: 62.7/65

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: 10308.633+/-2.096 χ^2/NDF:686720.5/15

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10287.600+/-2.047 χ^2/NDF:1011346.0/15

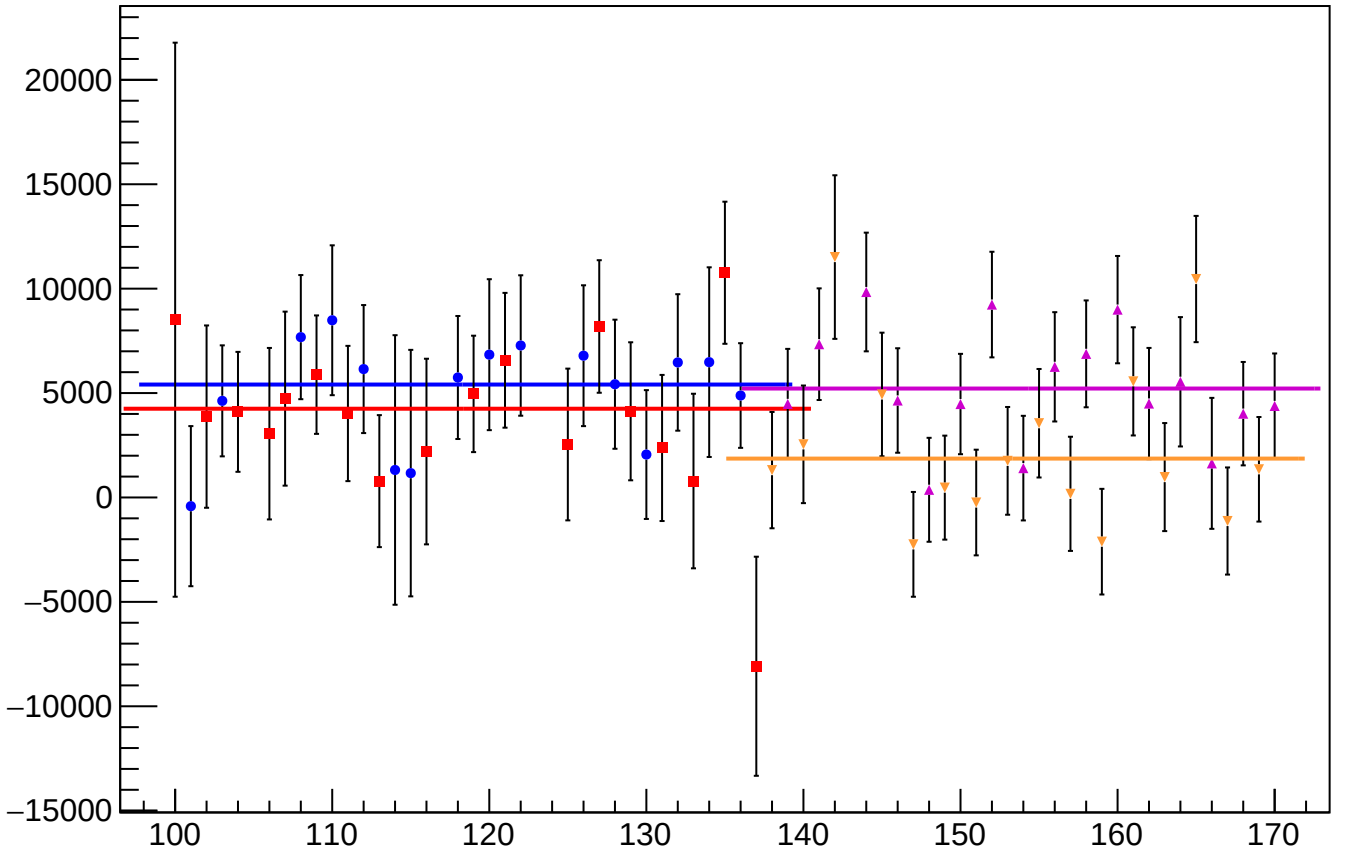
Left: 10297.866+/-1.464 χ^2/NDF: 1698118.1/31

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9473.673+/-1.520 χ^2/NDF:1793257.6/31

Out: 9287.113+/-1.515 χ^2/NDF:1723853.0/33

All: 9380.096+/-1.073 χ^2/NDF: 3524668.9/65



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1861.676+/-671.427 χ^2/NDF:25.9/15

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5216.510+/-654.247 χ^2/NDF:16.6/15

Left: 3582.564+/-468.578 χ^2/NDF: 55.3/31

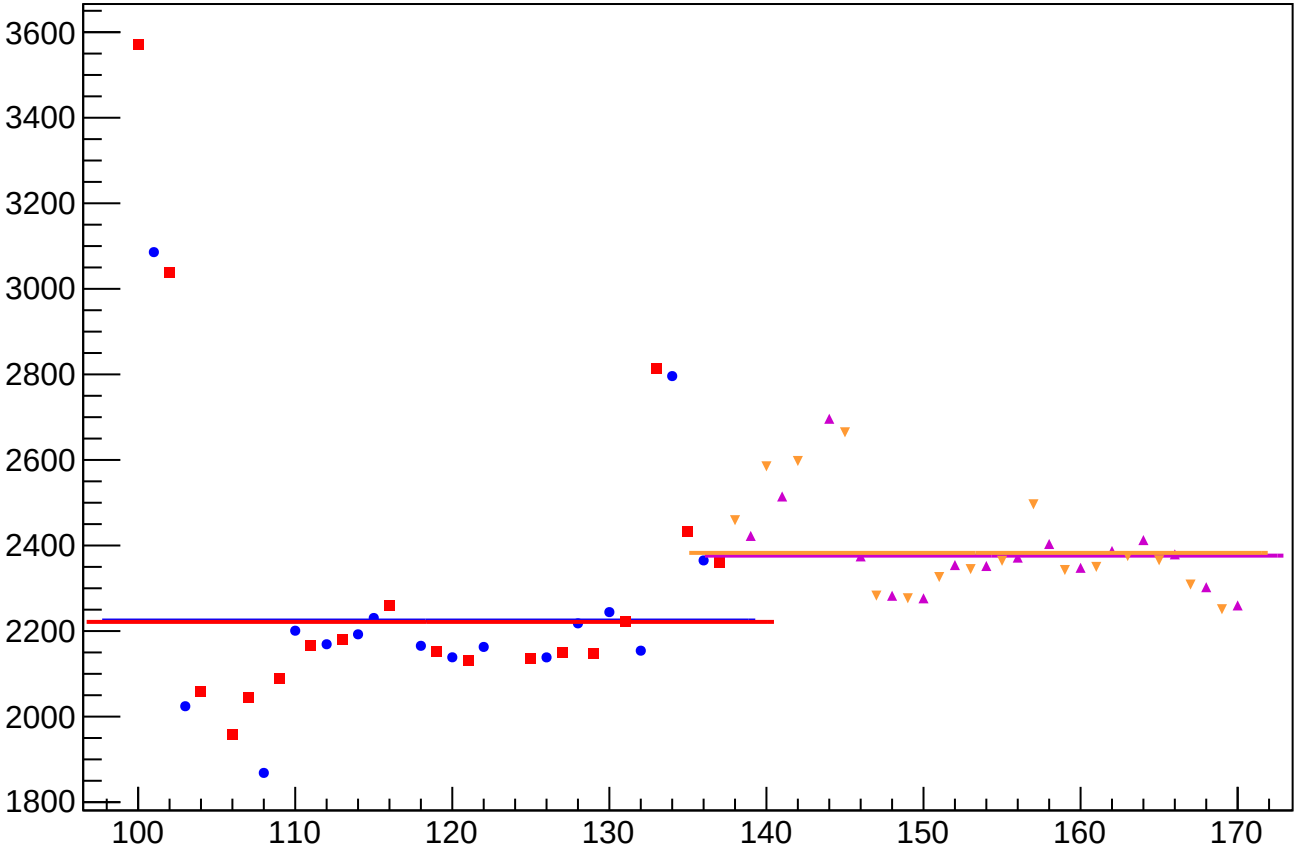
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5289.442+/-514.684 χ^2/NDF:23.4/31

Out: 2793.595+/-524.309 χ^2/NDF:45.3/33

All: 4064.637+/-367.292 χ^2/NDF: 80.2/65

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: 2382.753+/-0.475 χ^2/NDF:55868.9/15

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2376.325+/-0.463 χ^2/NDF:44802.0/15

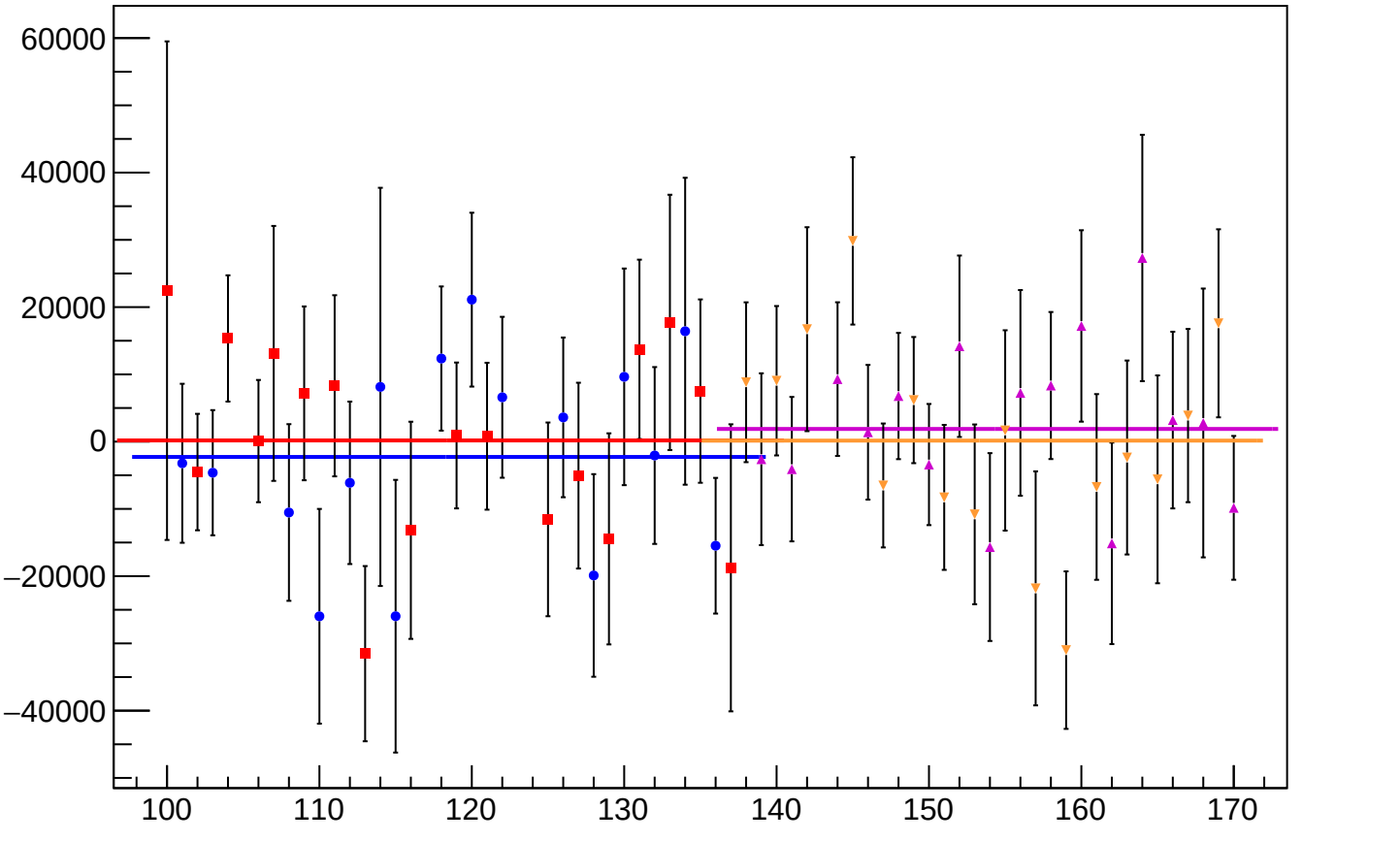
Left: 2379.456+/-0.331 χ^2/NDF: 100765.0/31

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

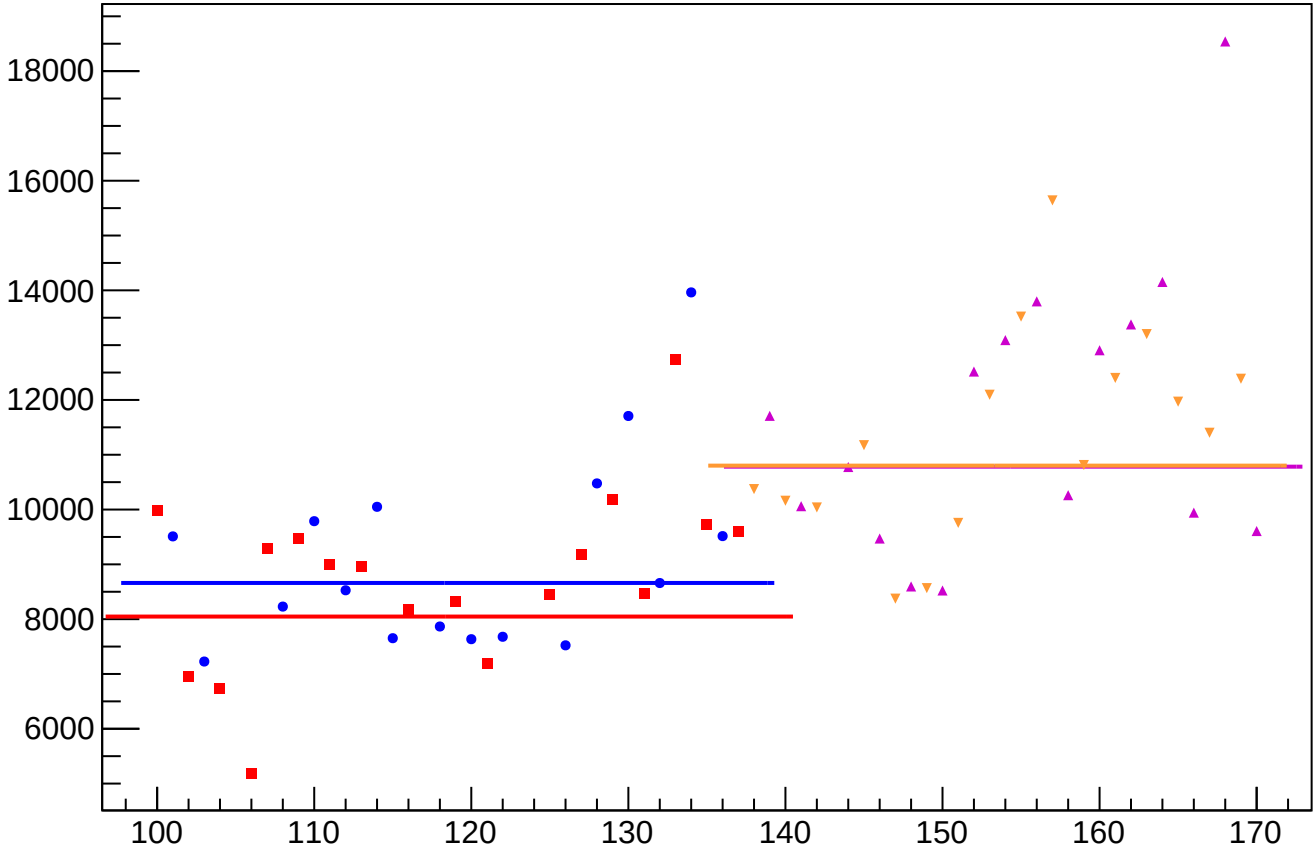
In: 2318.503+/-0.364 χ^2/NDF:270469.6/31

Out: 2319.753+/-0.371 χ^2/NDF:270903.3/33

All: 2319.117+/-0.260 χ^2/NDF: 541378.7/65


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 150.720+/-3103.201 χ²/NDF:21.0/15
Right Out: 177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: 1886.437+/-3031.419 χ²/NDF:10.0/15
Left: 1038.885+/-2168.470 χ²/NDF: 31.1/31
Right: -958.805+/-2225.203 χ²/NDF: 30.4/33
In: -37.432+/-2223.651 χ²/NDF:25.3/31
Out: 164.163+/-2169.910 χ²/NDF:36.7/33
All: 65.831+/-1553.010 χ²/NDF: 62.0/65

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: 10801.428+/-2.194 χ^2/NDF:651242.6/15

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10782.537+/-2.144 χ^2/NDF:964437.0/15

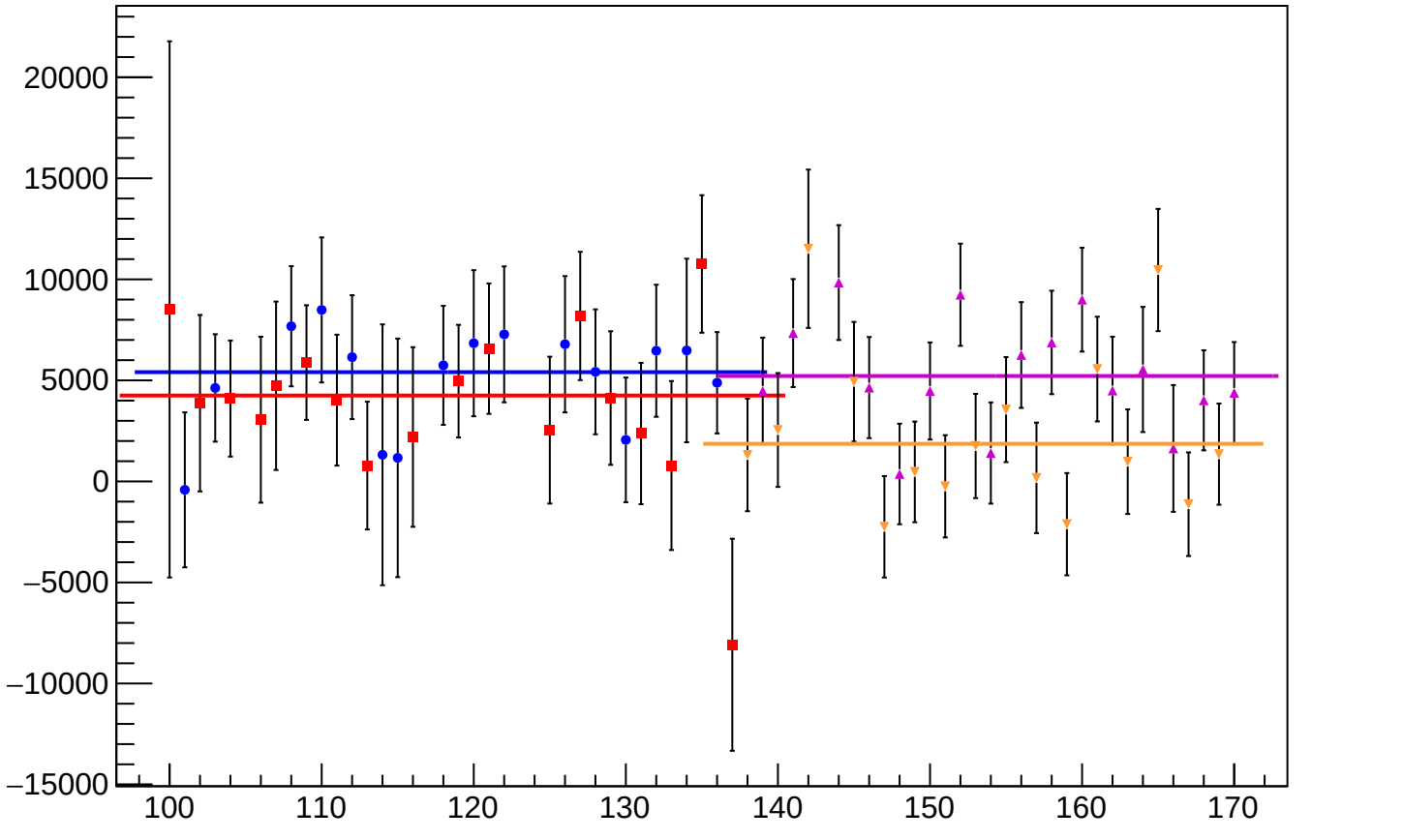
Left: 10791.761+/-1.533 χ^2/NDF: 1615717.5/31

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9802.418+/-1.572 χ^2/NDF:1775006.5/31

Out: 9394.010+/-1.534 χ^2/NDF:2014795.3/33

All: 9593.219+/-1.098 χ^2/NDF: 3824360.1/65



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1861.658+/-671.428 χ^2/NDF:25.9/15

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5216.514+/-654.248 χ^2/NDF:16.6/15

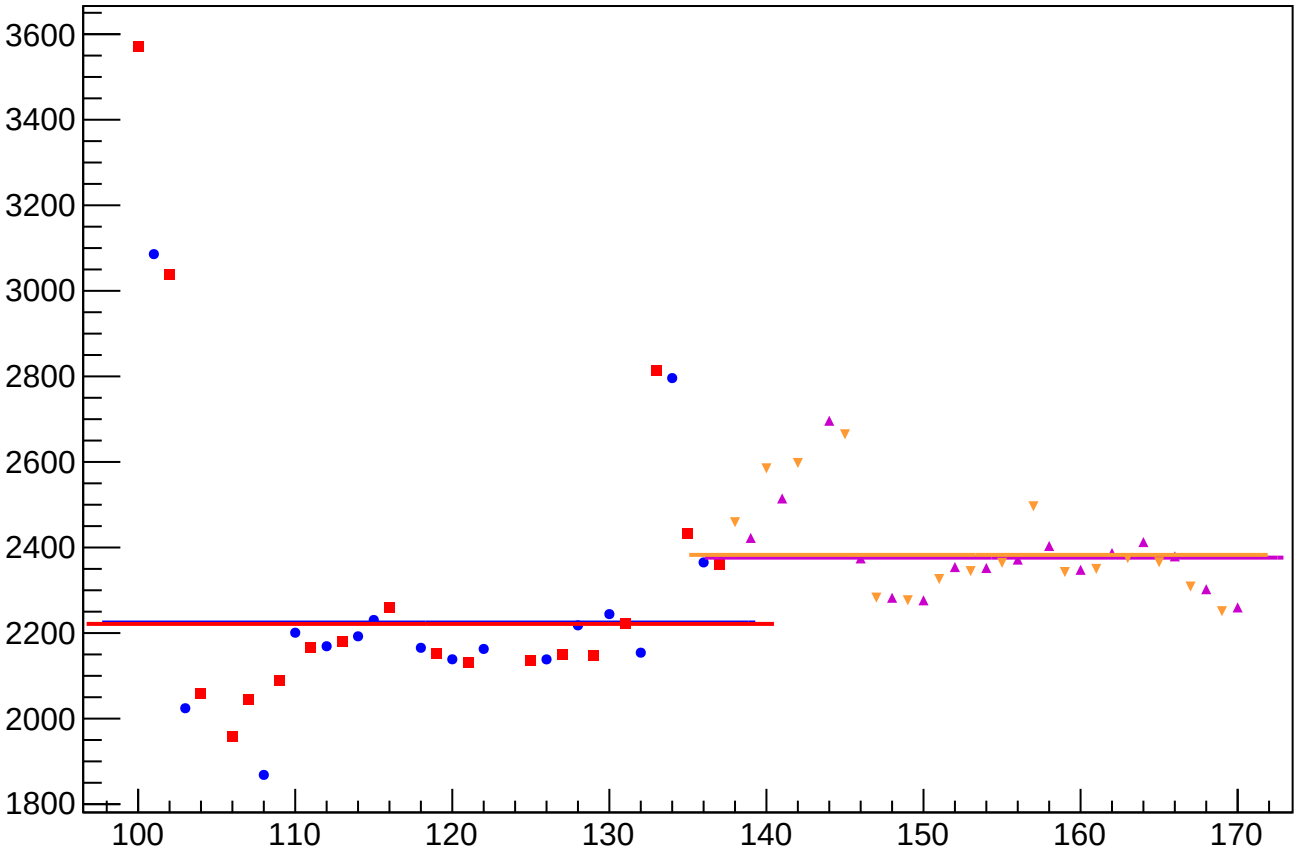
Left: 3582.557+/-468.579 χ^2/NDF: 55.3/31

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5289.446+/-514.685 χ^2/NDF:23.4/31

Out: 2793.588+/-524.310 χ^2/NDF:45.3/33

All: 4064.635+/-367.293 χ^2/NDF: 80.2/65



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2382.757+/-0.475 χ^2/NDF:55869.9/15

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2376.328+/-0.463 χ^2/NDF:44802.5/15

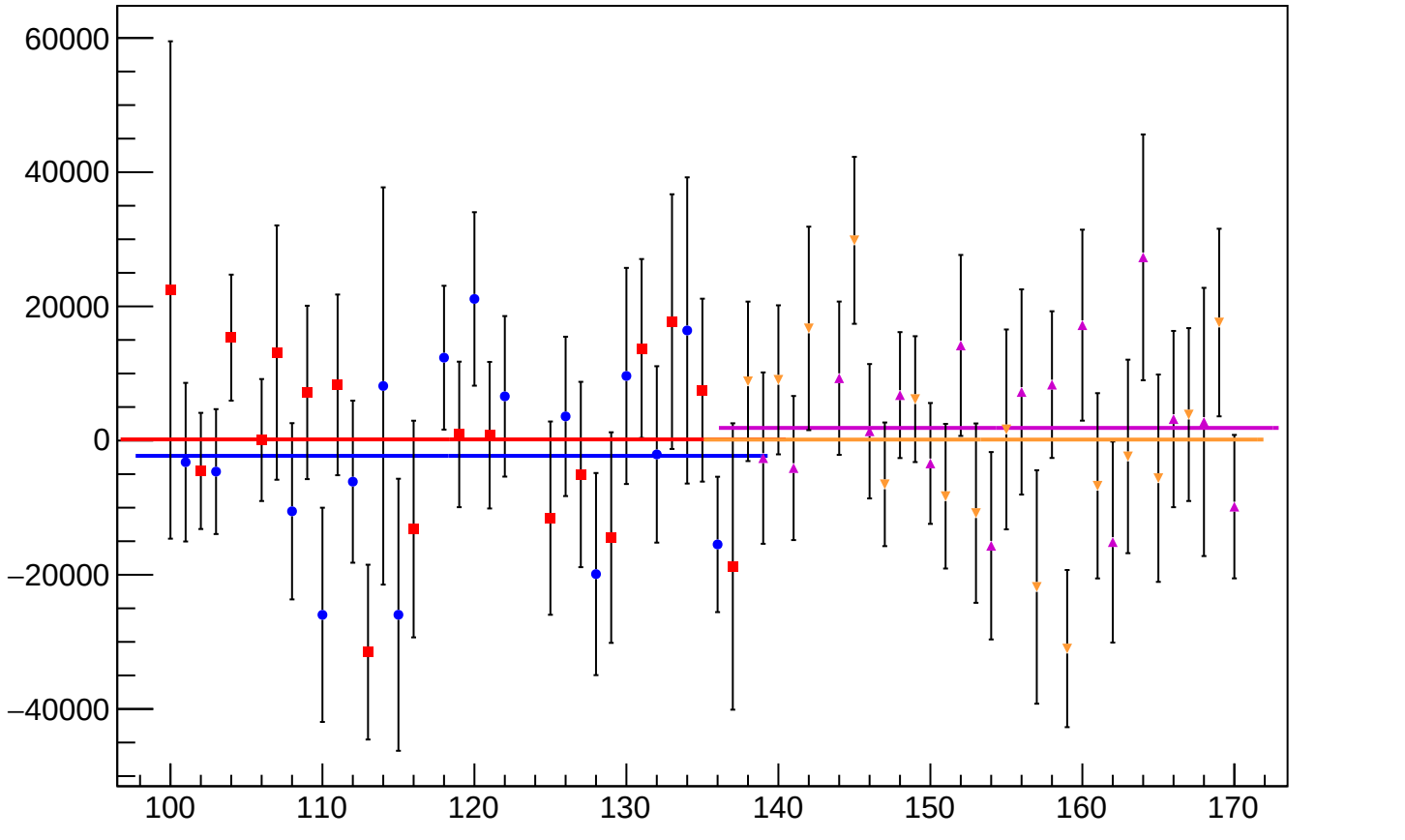
Left: 2379.459+/-0.331 χ^2/NDF: 100766.4/31

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

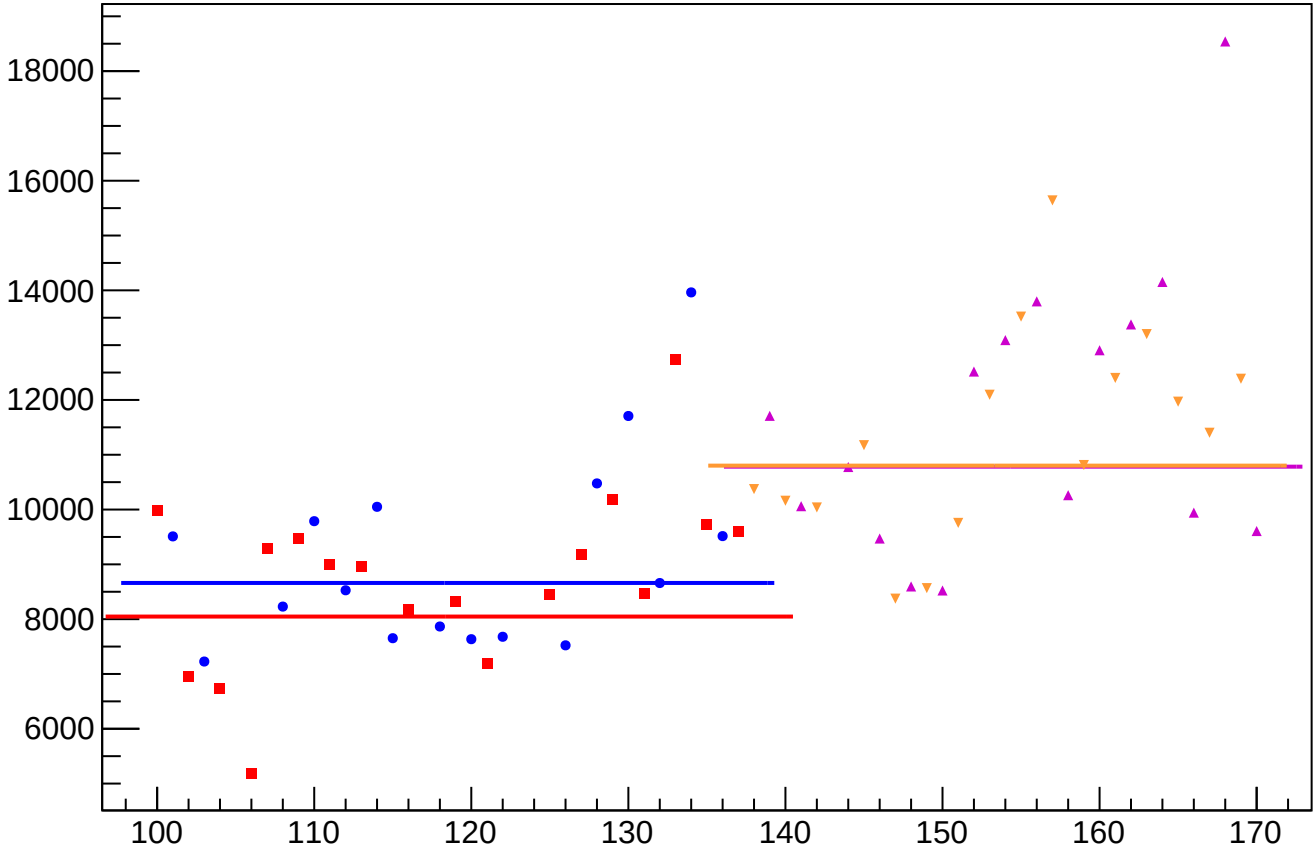
In: 2318.505+/-0.364 χ^2/NDF:270472.5/31

Out: 2319.755+/-0.371 χ^2/NDF:270906.5/33

All: 2319.118+/-0.260 χ^2/NDF: 541384.9/65


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: 150.711+/-3103.206 χ²/NDF:21.0/15
Right Out: 177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 1886.435+/-3031.423 χ²/NDF:10.0/15
Left: 1038.880+/-2168.473 χ²/NDF: 31.1/31
Right: -958.792+/-2225.198 χ²/NDF: 30.4/33
In: -37.430+/-2223.650 χ²/NDF:25.3/31
Out: 164.161+/-2169.909 χ²/NDF:36.7/33
All: 65.831+/-1553.009 χ²/NDF: 62.0/65

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10801.443+/-2.194 χ^2/NDF:651244.4/15

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10782.552+/-2.144 χ^2/NDF:964439.1/15

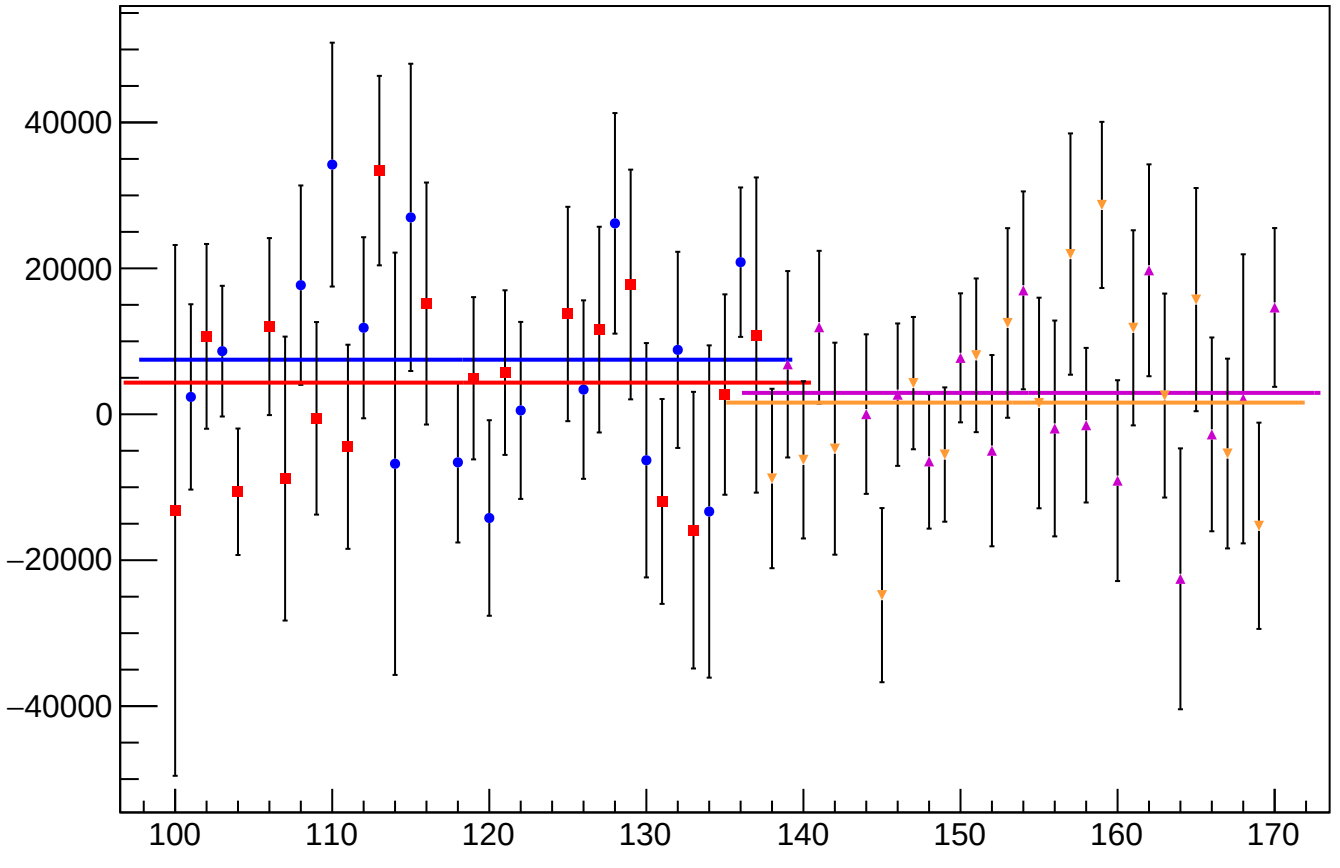
Left: 10791.777+/-1.533 χ^2/NDF: 1615721.5/31

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9802.413+/-1.572 χ^2/NDF:1775026.8/31

Out: 9394.003+/-1.534 χ^2/NDF:2014815.6/33

All: 9593.213+/-1.098 χ^2/NDF: 3824400.9/65



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1600.441+/-3043.513 χ^2/NDF:18.4/15

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2933.377+/-2971.920 χ^2/NDF:9.4/15

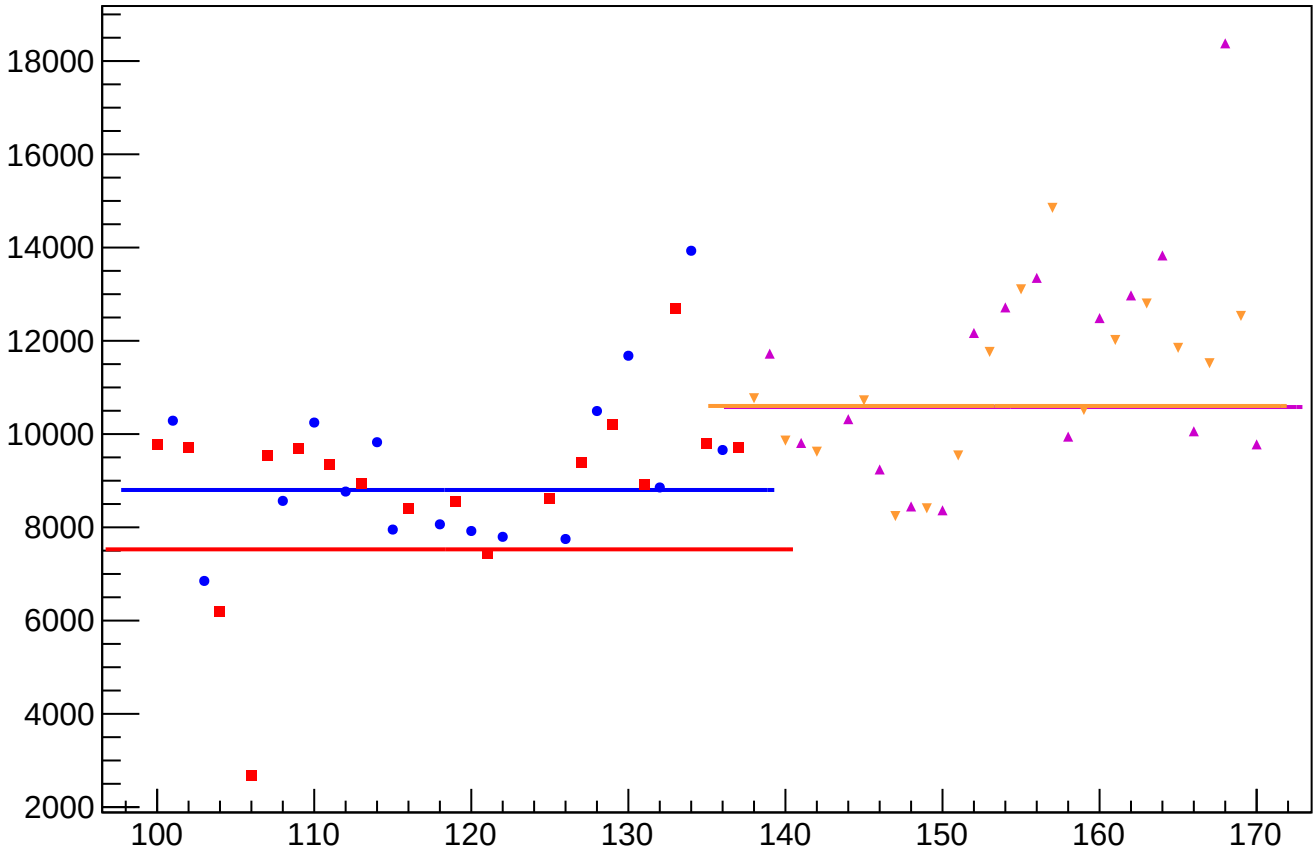
Left: 2282.770+/-2126.325 χ^2/NDF: 28.0/31

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4949.345+/-2217.565 χ^2/NDF:24.5/31

Out: 2882.675+/-2219.141 χ^2/NDF:33.1/33

All: 3916.744+/-1568.612 χ^2/NDF: 58.1/65



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10602.828+/-2.152 χ^2/NDF:629271.8/15

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10580.145+/-2.101 χ^2/NDF:937161.3/15

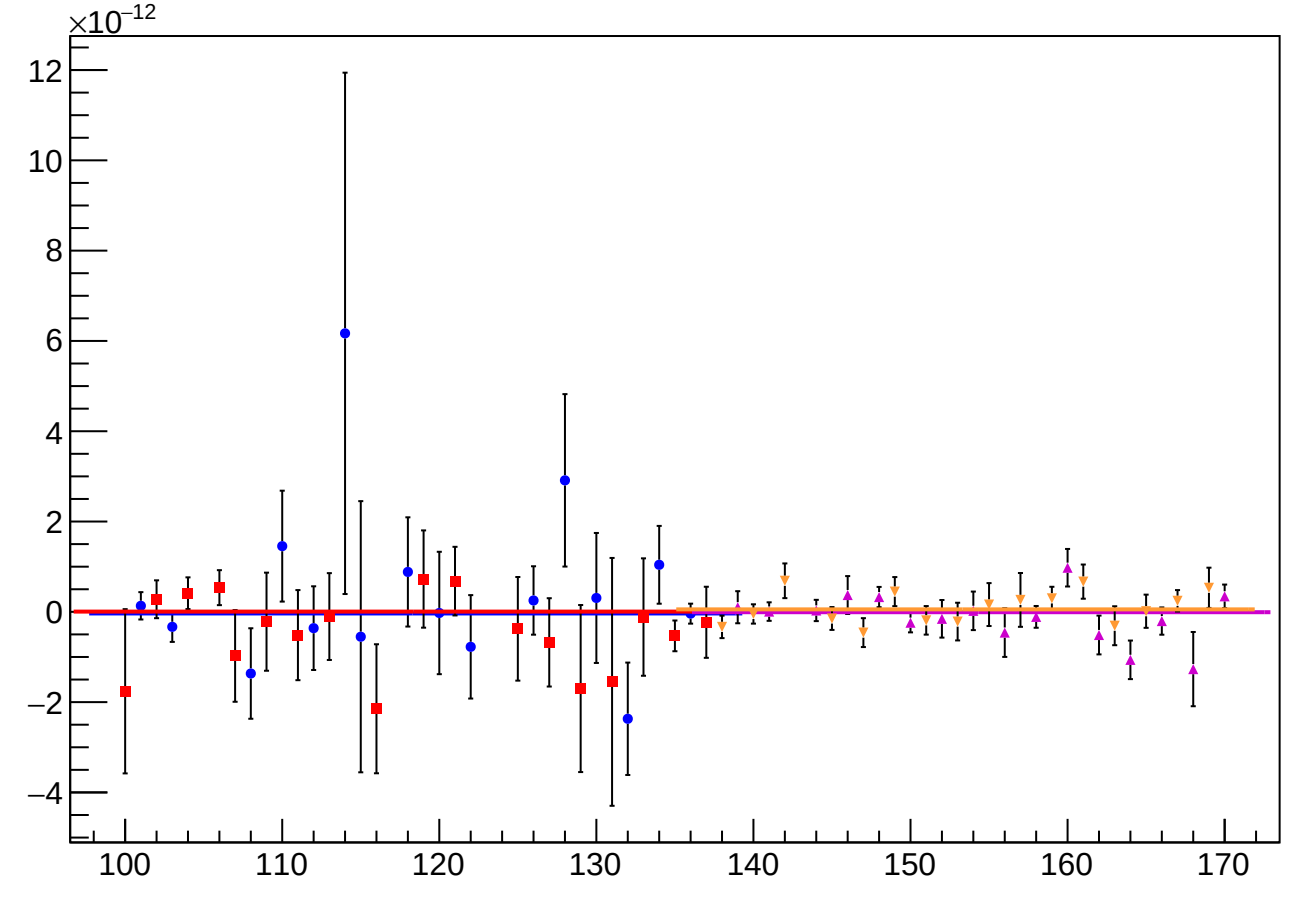
Left: 10591.217+/-1.504 χ^2/NDF: 1566490.0/31

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9791.604+/-1.568 χ^2/NDF:1649404.3/31

Out: 9048.243+/-1.513 χ^2/NDF:3318721.5/33

All: 9406.716+/-1.089 χ^2/NDF: 5084488.8/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:23.1/15

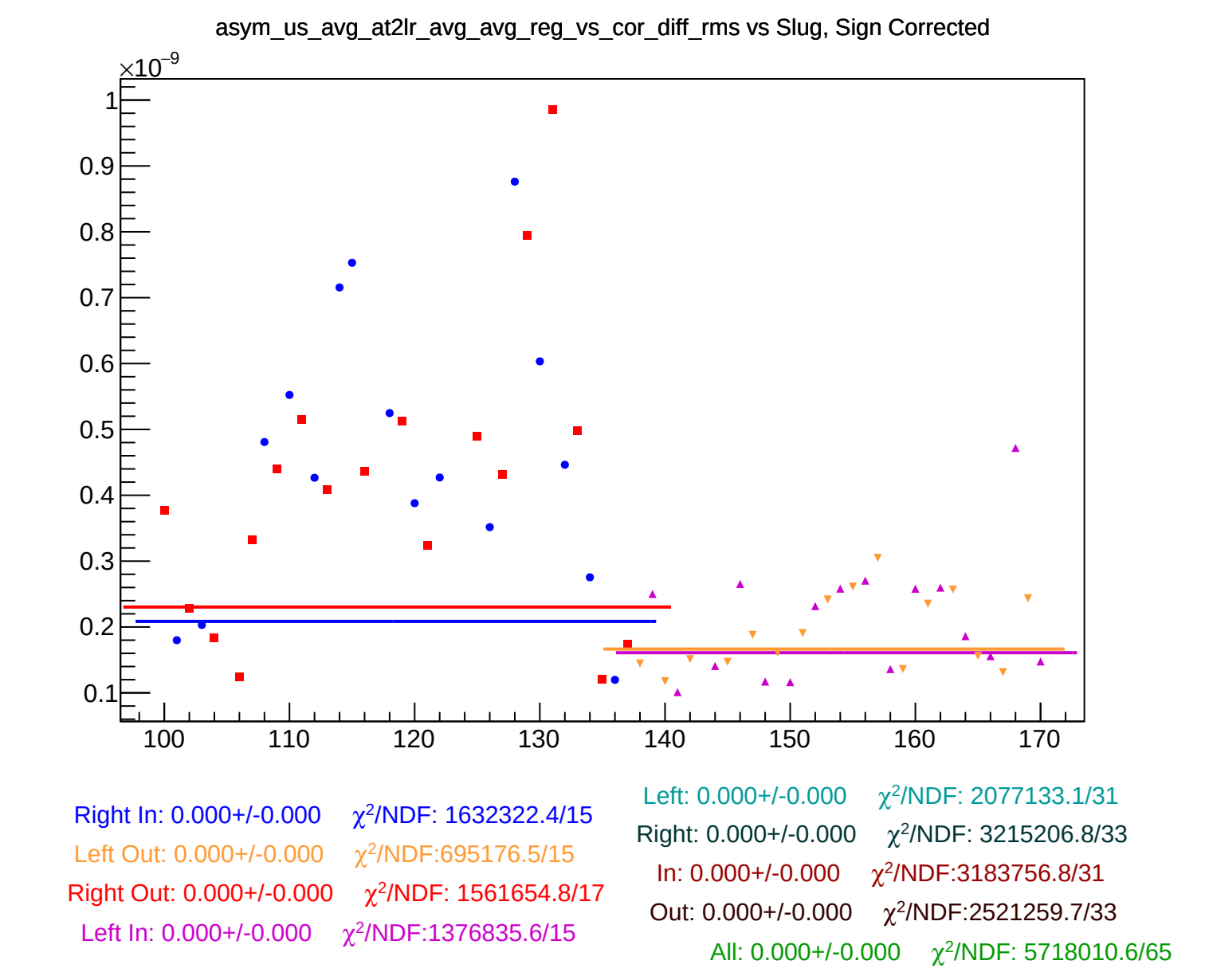
Left: 0.000+/-0.000 χ^2/NDF: 40.7/31

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

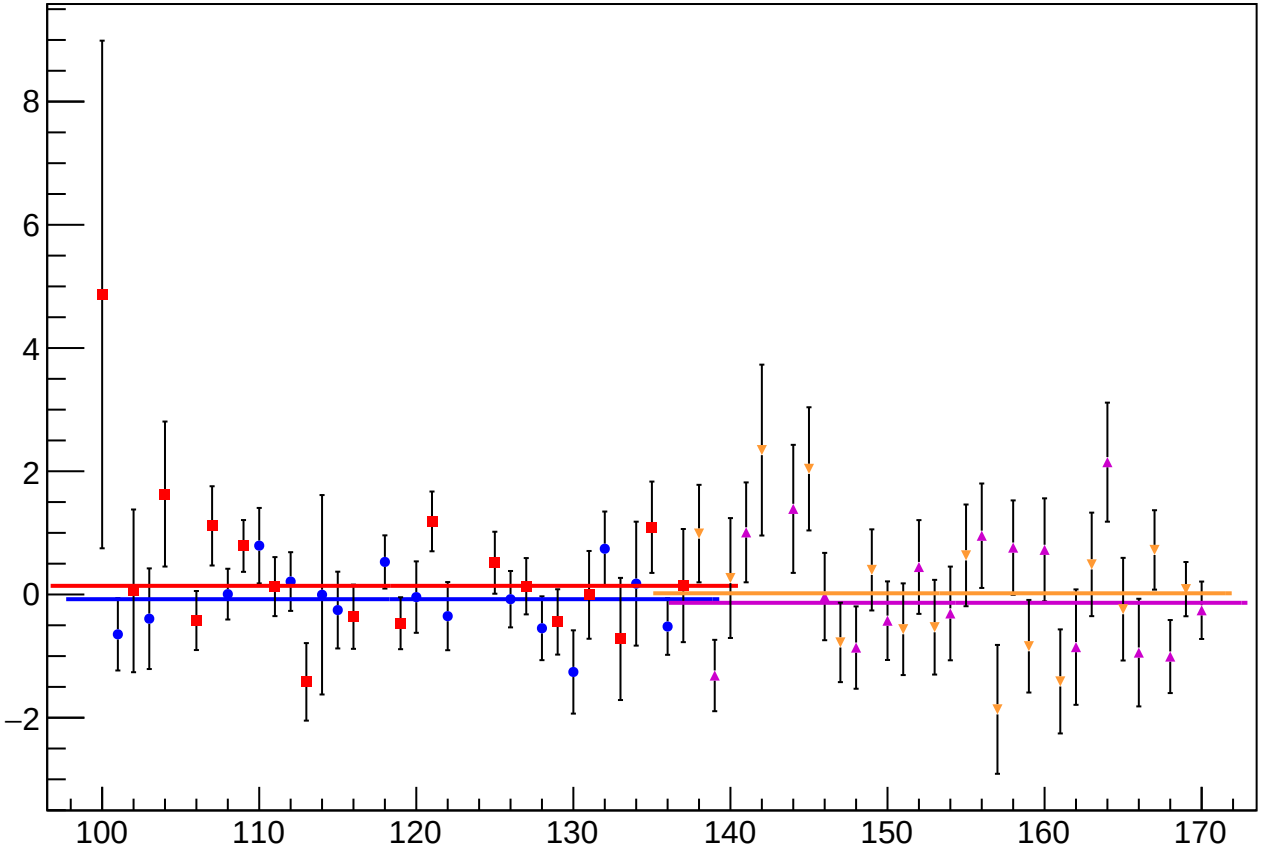
In: -0.000+/-0.000 χ^2/NDF:37.4/31

Out: 0.000+/-0.000 χ^2/NDF:31.1/33

All: 0.000+/-0.000 χ^2/NDF: 68.9/65


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:695176.5/15
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:1376835.6/15
Left: 0.000+/-0.000 χ²/NDF: 2077133.1/31
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:3183756.8/31
Out: 0.000+/-0.000 χ²/NDF:2521259.7/33
All: 0.000+/-0.000 χ²/NDF: 5718010.6/65

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: 0.019+/-0.188 χ^2/NDF:21.0/15

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.135+/-0.179 χ^2/NDF:23.7/15

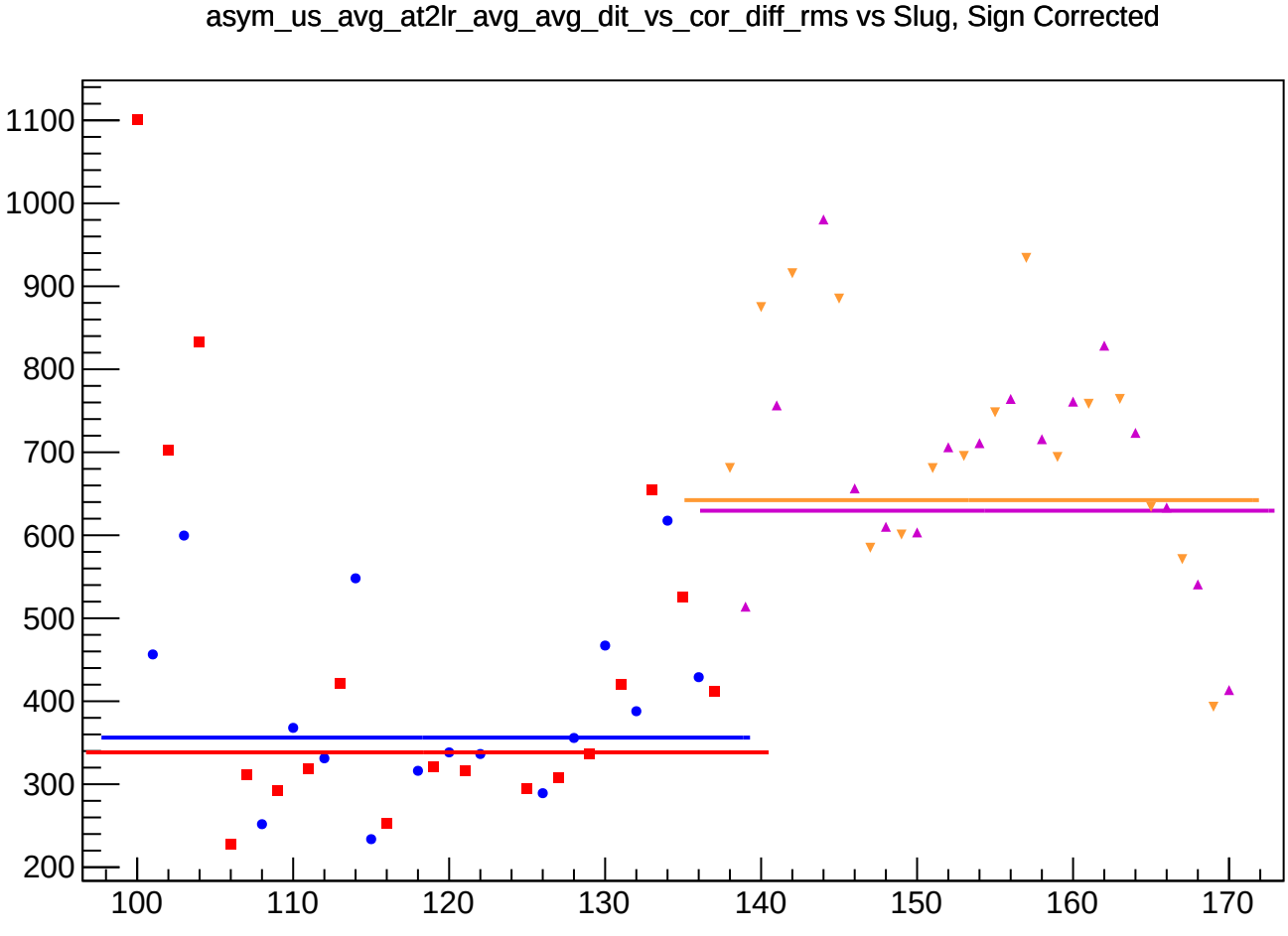
Left: -0.061+/-0.130 χ^2/NDF: 45.1/31

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.098+/-0.111 χ^2/NDF:48.3/33

All: -0.001+/-0.078 χ^2/NDF: 86.1/65



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 642.343+/-0.133 χ^2/NDF:1295913.8/15

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 629.592+/-0.127 χ^2/NDF:1117129.3/15

Left: 635.677+/-0.092 χ^2/NDF: 2417865.5/31

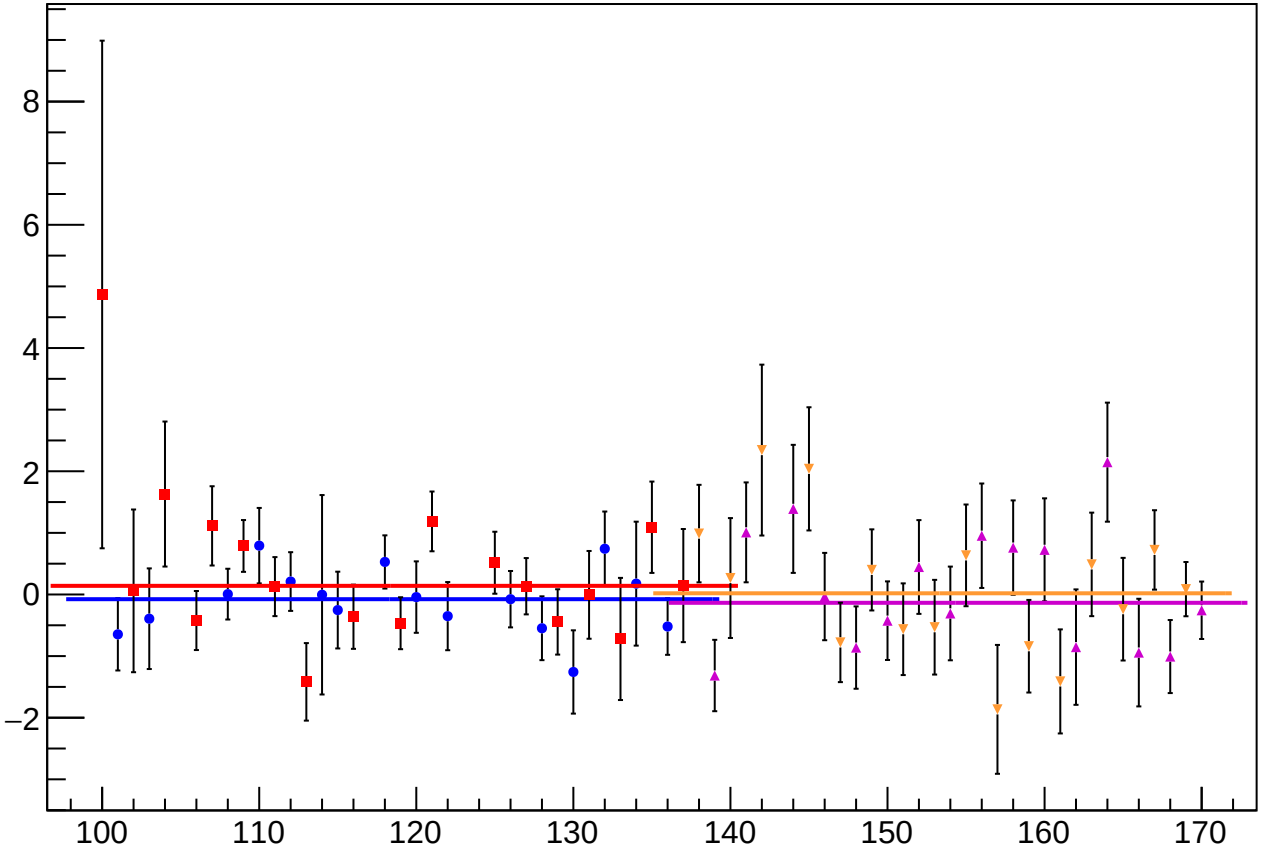
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.586+/-0.078 χ^2/NDF:4790885.9/31

Out: 444.994+/-0.079 χ^2/NDF:5902645.3/33

All: 452.346+/-0.055 χ^2/NDF: 10710890.0/65

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: 0.019+/-0.188 χ^2/NDF:21.0/15

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.135+/-0.179 χ^2/NDF:23.7/15

Left: -0.061+/-0.130 χ^2/NDF: 45.1/31

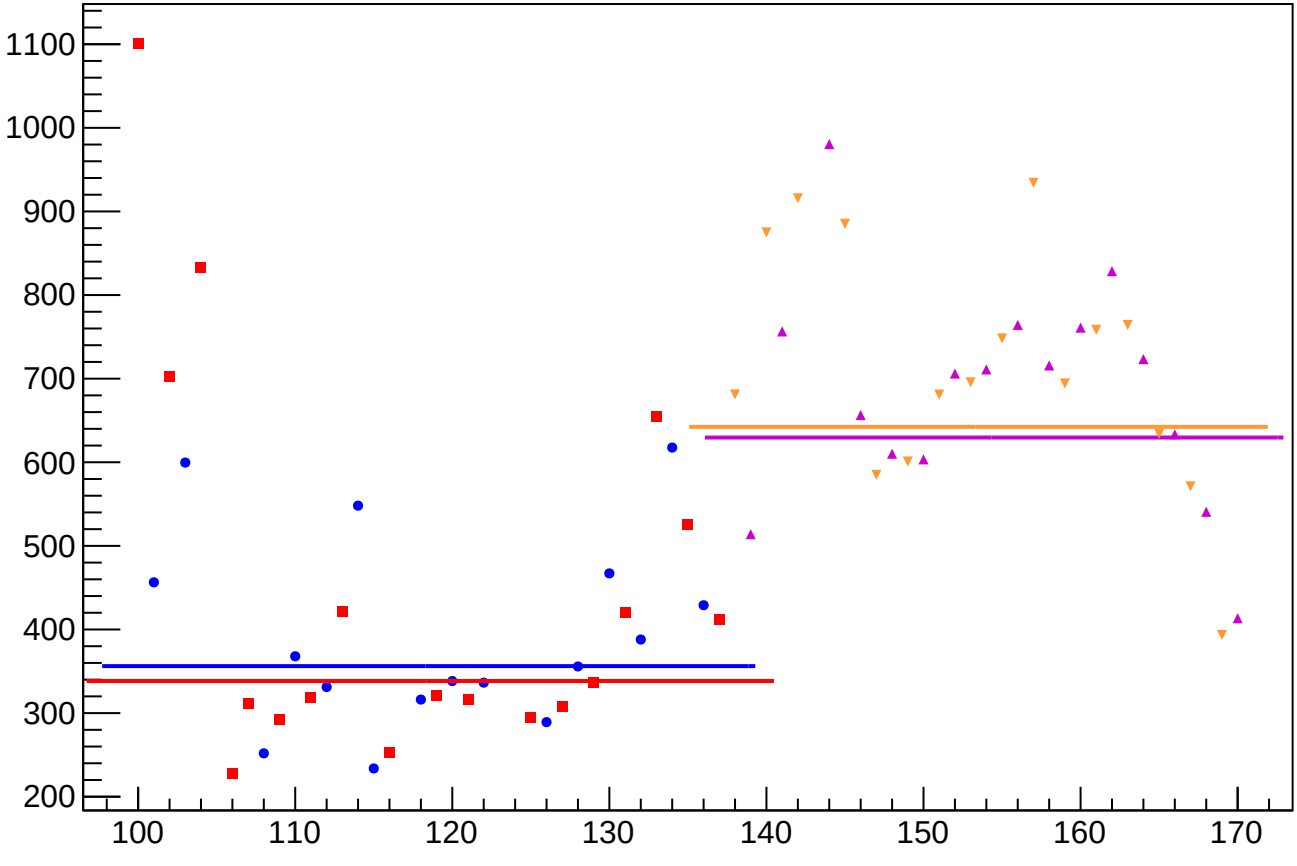
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.098+/-0.111 χ^2/NDF:48.3/33

All: -0.001+/-0.078 χ^2/NDF: 86.1/65

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: 642.343+/-0.133 χ^2/NDF:1295913.8/15

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 629.592+/-0.127 χ^2/NDF:1117129.3/15

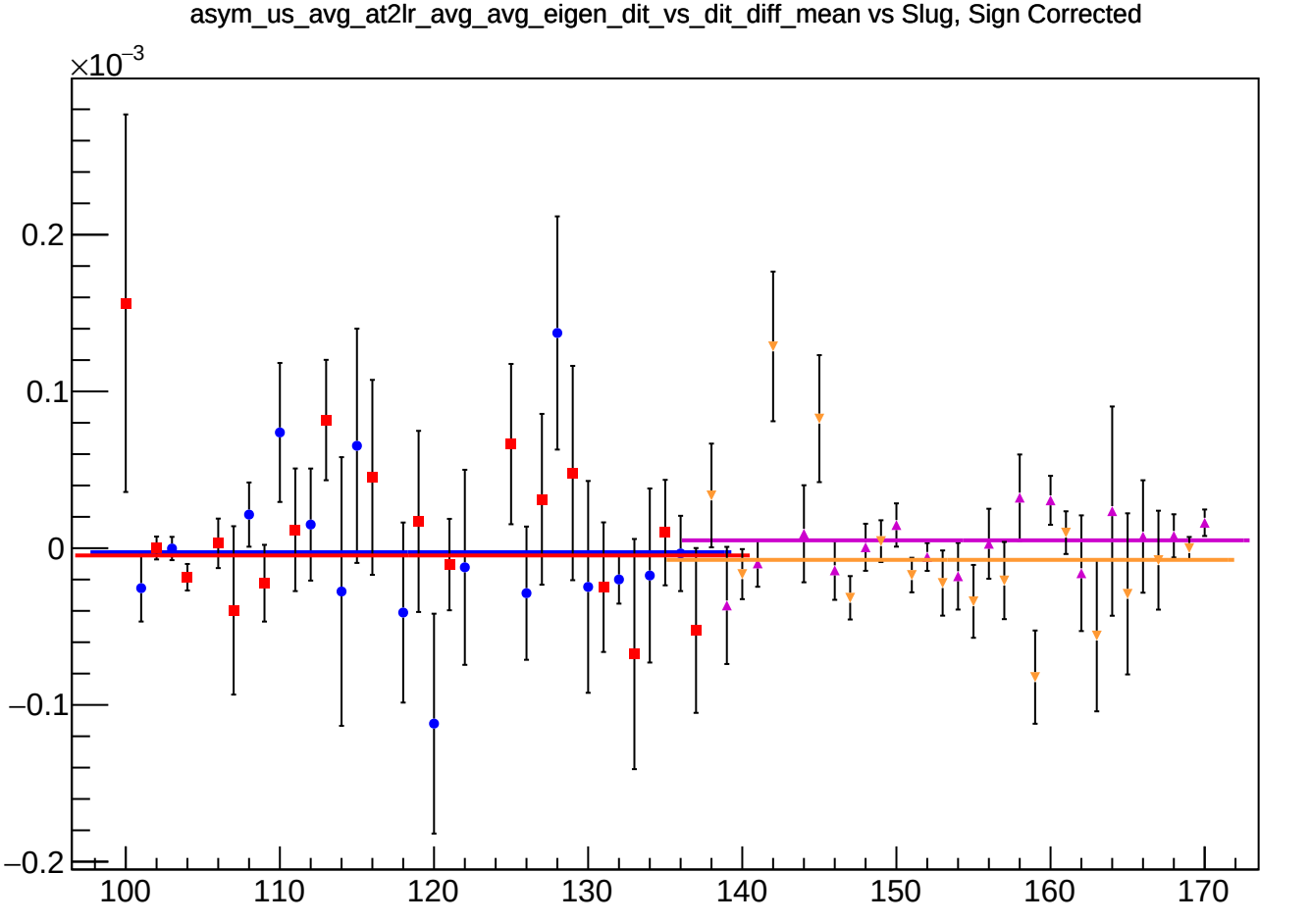
Left: 635.677+/-0.092 χ^2/NDF: 2417865.5/31

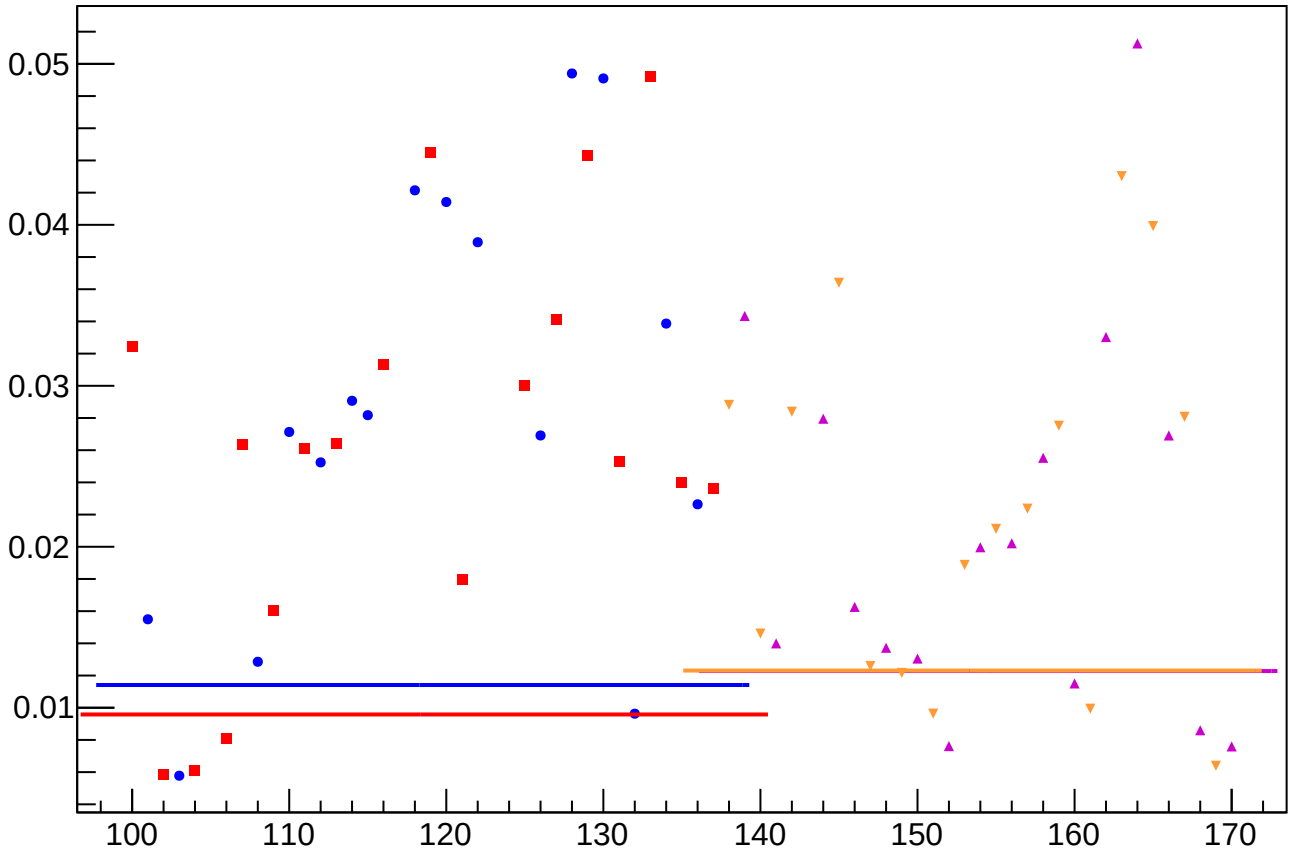
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.586+/-0.078 χ^2/NDF:4790885.9/31

Out: 444.994+/-0.079 χ^2/NDF:5902645.3/33

All: 452.346+/-0.055 χ^2/NDF: 10710890.0/65


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:31.9/15
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.3/15
Left: -0.000+/-0.000 χ²/NDF: 48.9/31
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: 0.000+/-0.000 χ²/NDF:28.6/31
Out: -0.000+/-0.000 χ²/NDF:49.2/33
All: -0.000+/-0.000 χ²/NDF: 81.5/65



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6256808.4/15

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.012+/-0.000 χ^2/NDF:5289680.4/15

Left: 0.012+/-0.000 χ^2/NDF: 11546538.1/31

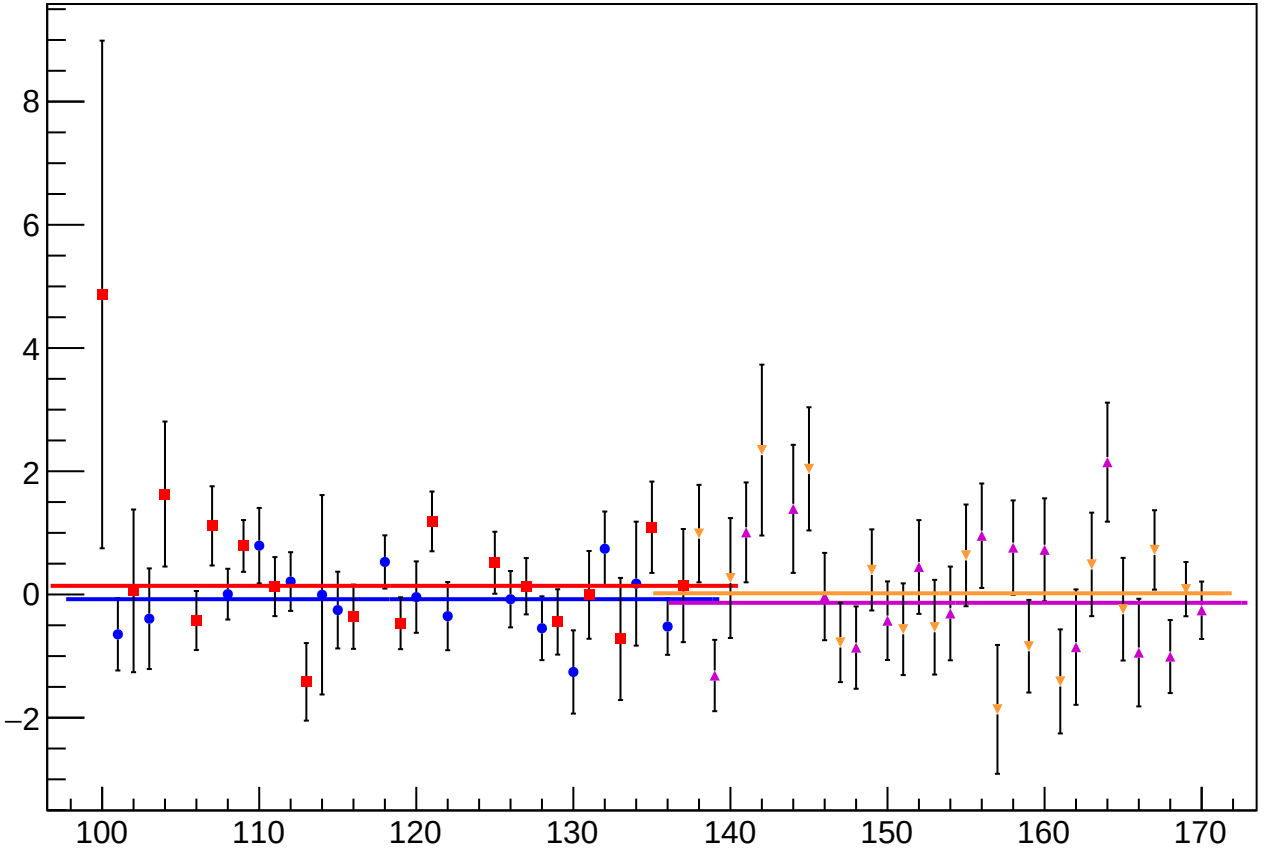
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:10822392.6/31

Out: 0.011+/-0.000 χ^2/NDF:12422989.0/33

All: 0.012+/-0.000 χ^2/NDF: 23317486.1/65

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: 0.019+/-0.188 χ^2/NDF:21.0/15

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.135+/-0.179 χ^2/NDF:23.7/15

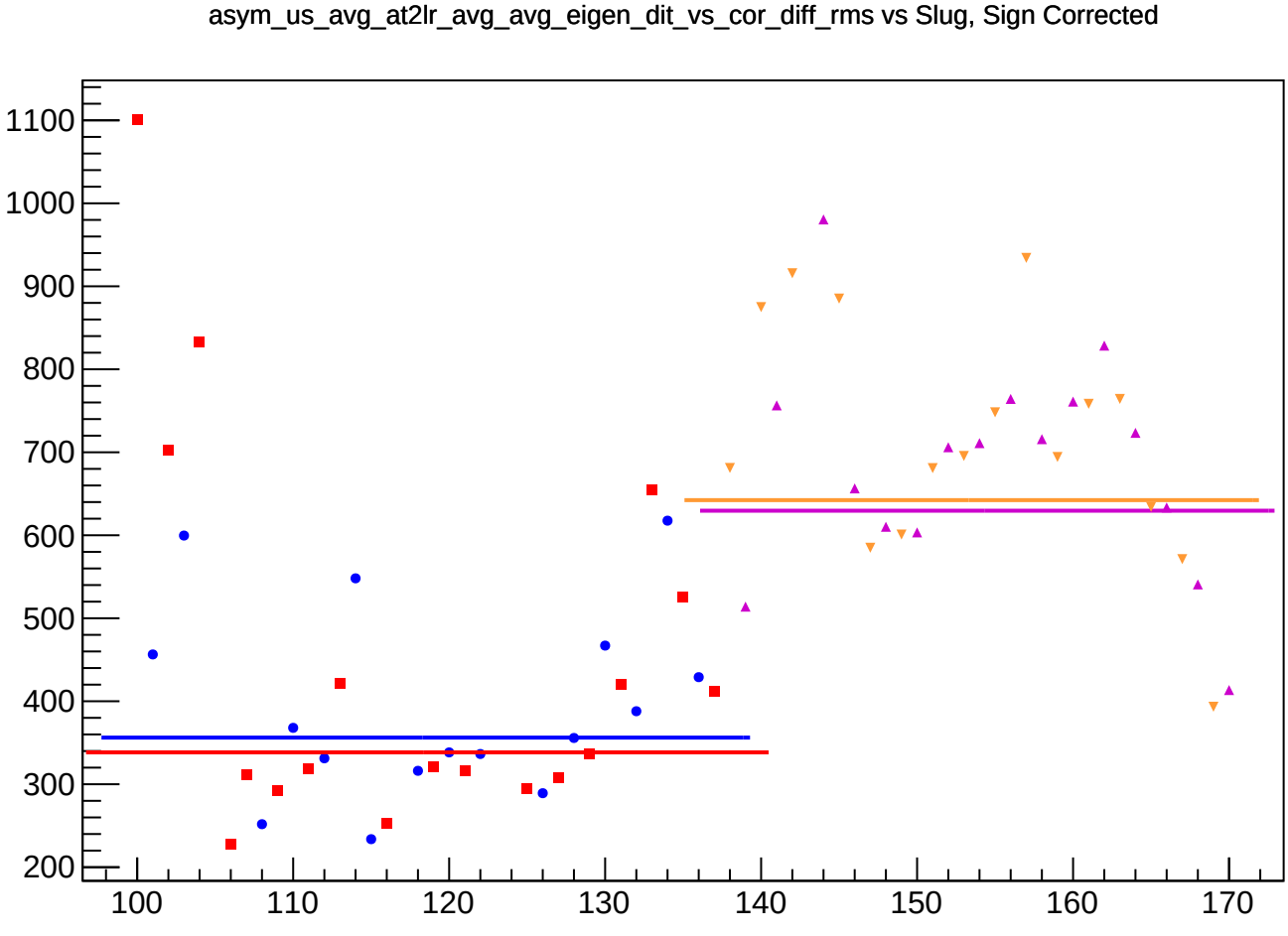
Left: -0.061+/-0.130 χ^2/NDF: 45.1/31

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.098+/-0.111 χ^2/NDF:48.3/33

All: -0.001+/-0.078 χ^2/NDF: 86.1/65



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 642.350+/-0.133 χ^2/NDF:1295983.1/15

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 629.601+/-0.127 χ^2/NDF:1117160.8/15

Left: 635.685+/-0.092 χ^2/NDF: 2417965.0/31

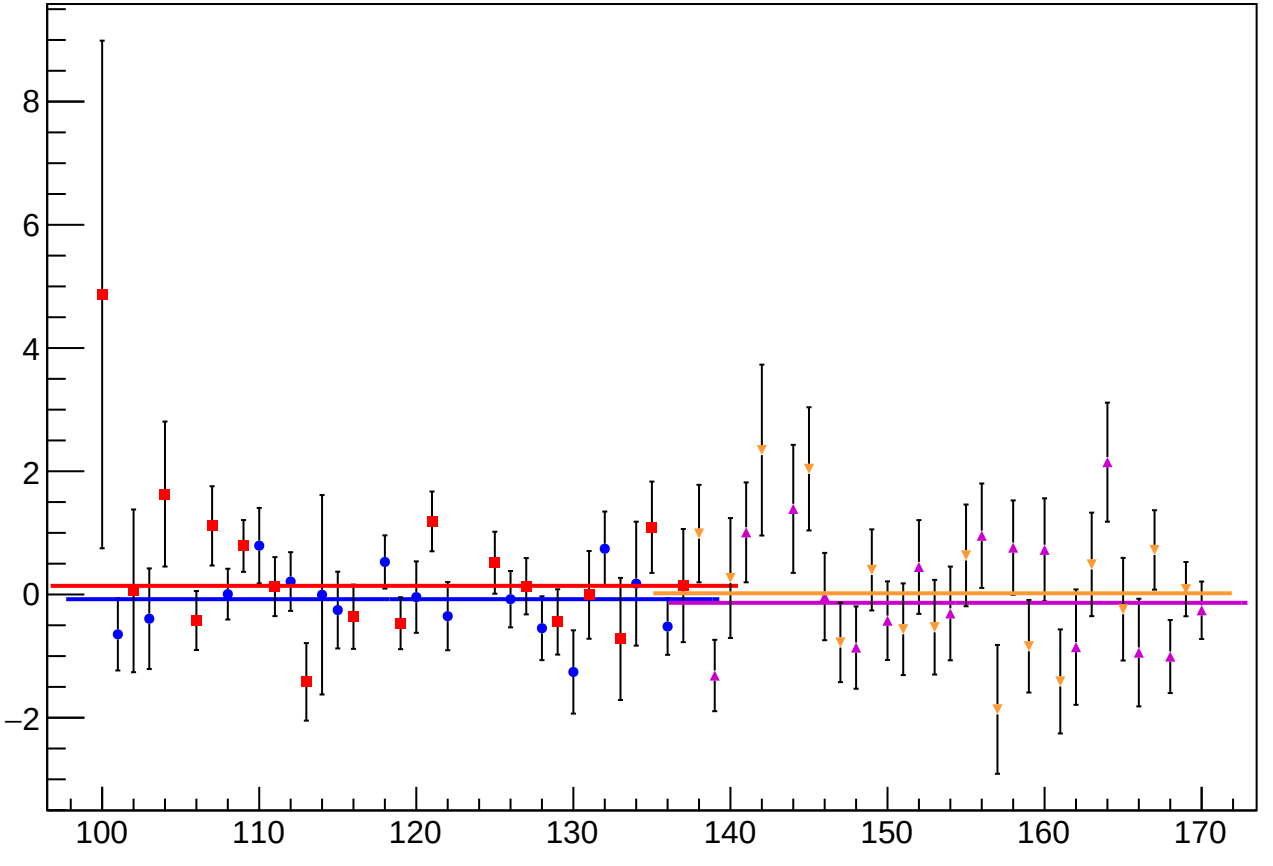
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 459.585+/-0.078 χ^2/NDF:4791054.4/31

Out: 444.993+/-0.079 χ^2/NDF:5902861.6/33

All: 452.346+/-0.055 χ^2/NDF: 10711278.0/65

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: 0.019+/-0.188 χ^2/NDF:21.0/15

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.135+/-0.179 χ^2/NDF:23.7/15

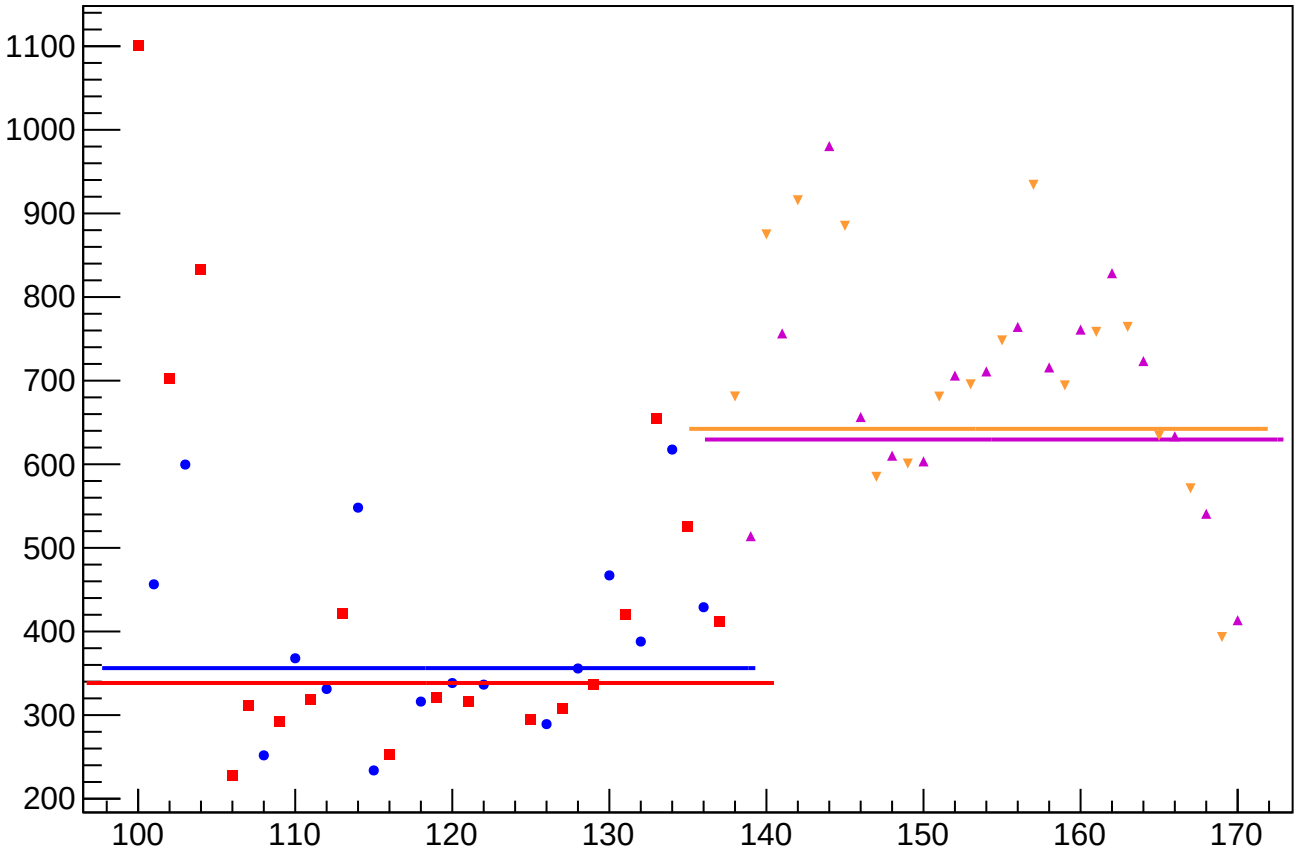
Left: -0.061+/-0.130 χ^2/NDF: 45.1/31

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

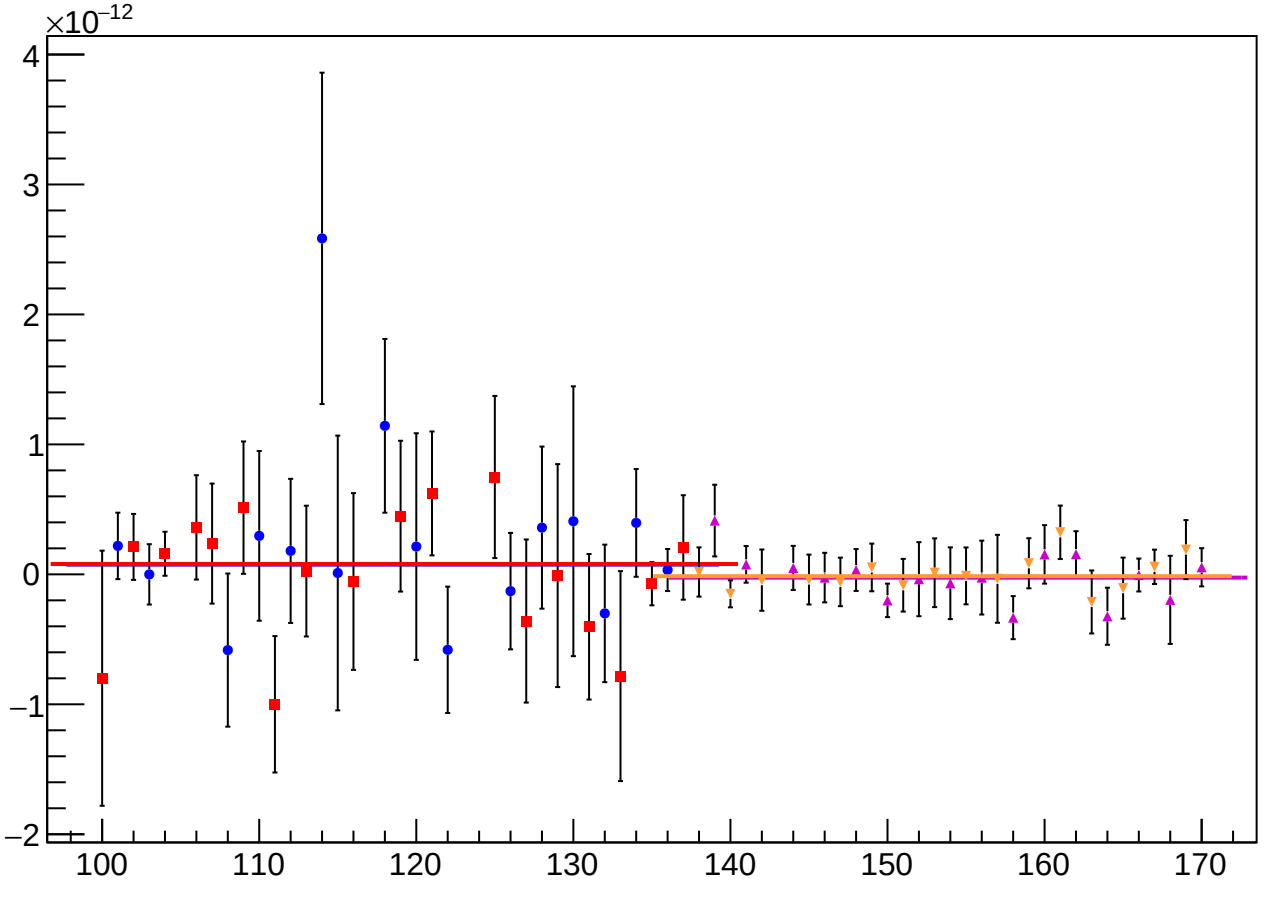
In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.098+/-0.111 χ^2/NDF:48.3/33

All: -0.001+/-0.078 χ^2/NDF: 86.1/65


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 642.350+/-0.133 χ²/NDF:1295983.1/15
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 629.601+/-0.127 χ²/NDF:1117160.8/15
Left: 635.685+/-0.092 χ²/NDF: 2417965.0/31
Right: 347.175+/-0.069 χ²/NDF: 2004710.0/33
In: 459.585+/-0.078 χ²/NDF:4791054.4/31
Out: 444.993+/-0.079 χ²/NDF:5902861.6/33
All: 452.346+/-0.055 χ²/NDF: 10711278.0/65

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:7.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/15

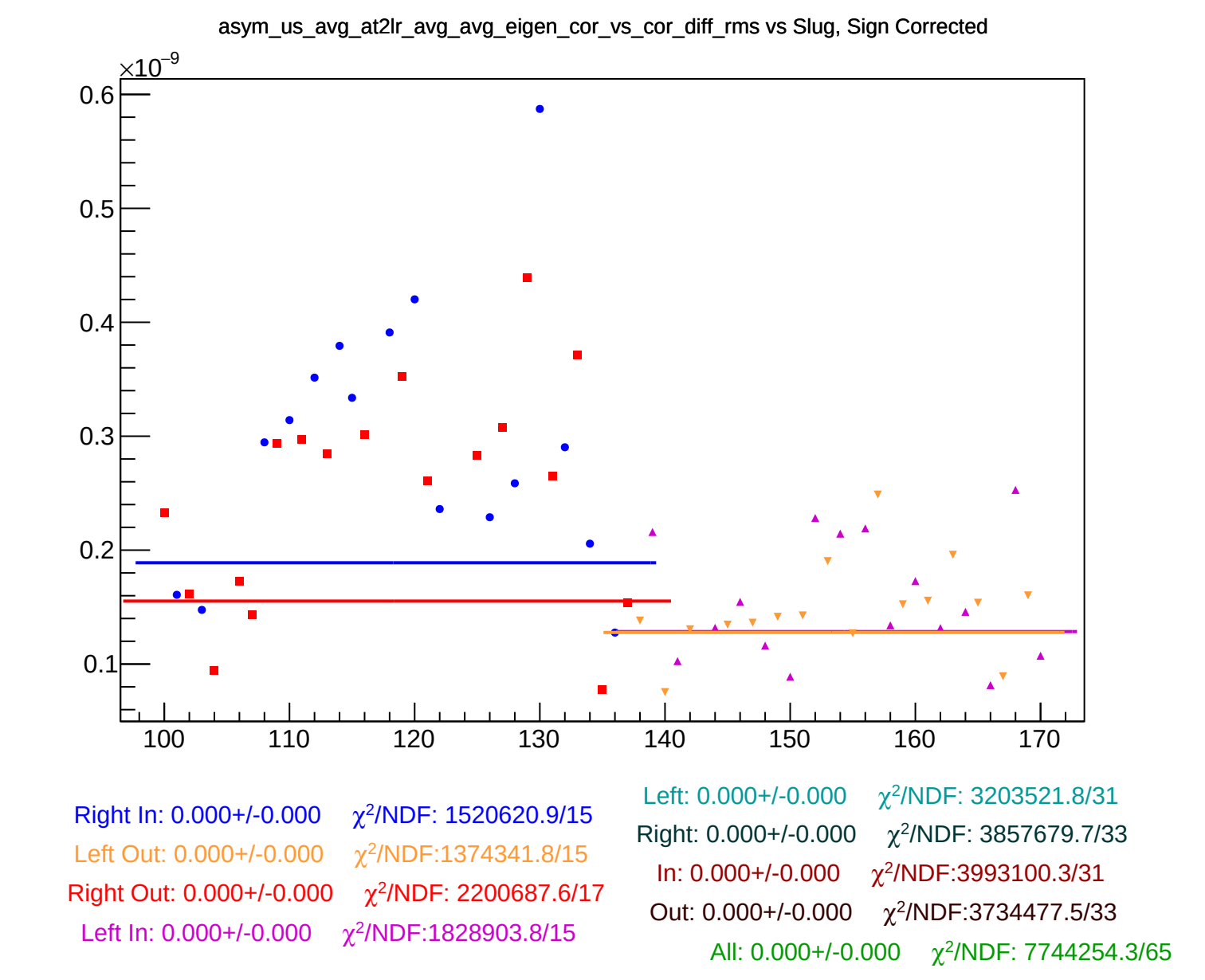
Left: -0.000+/-0.000 χ^2/NDF: 19.8/31

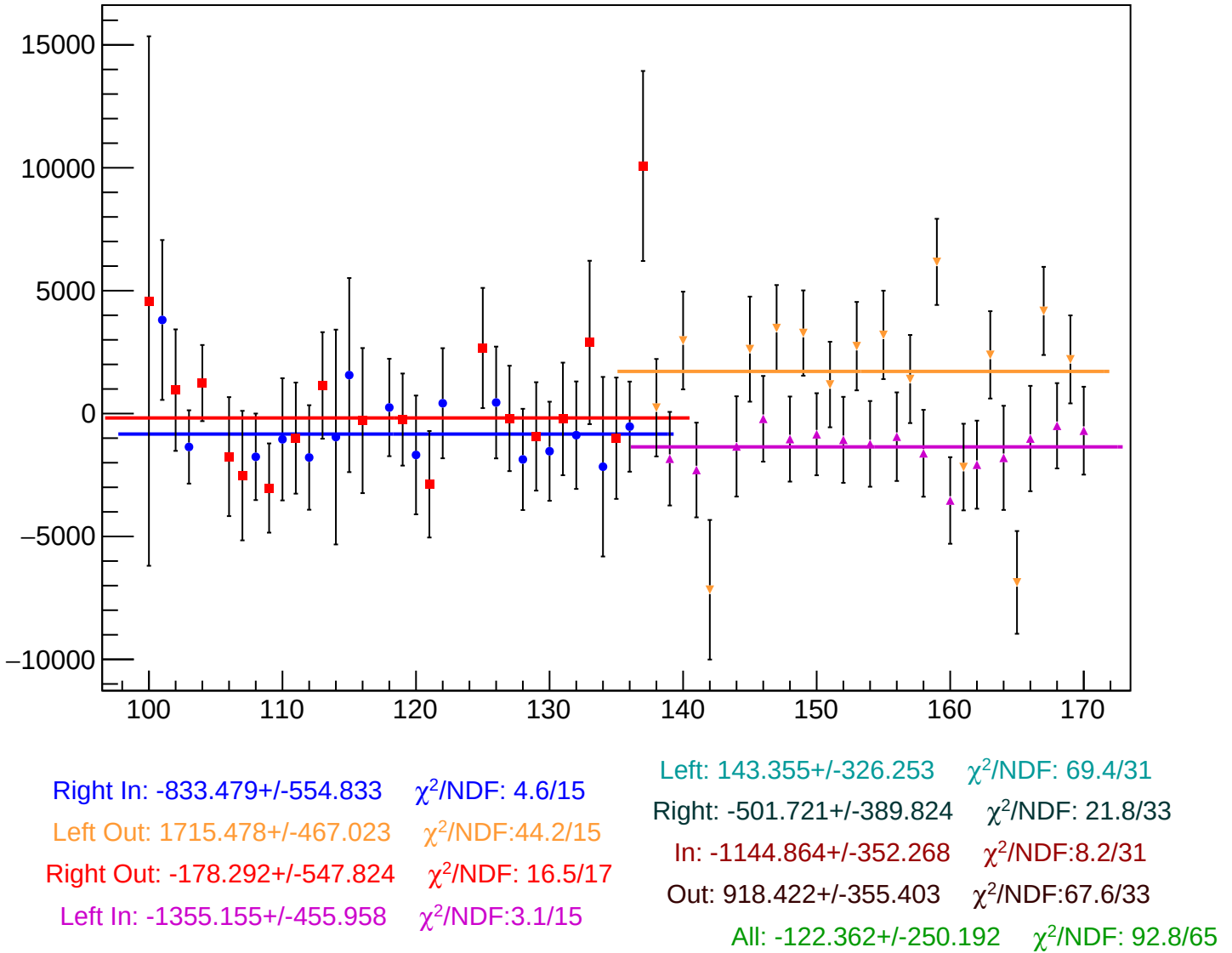
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

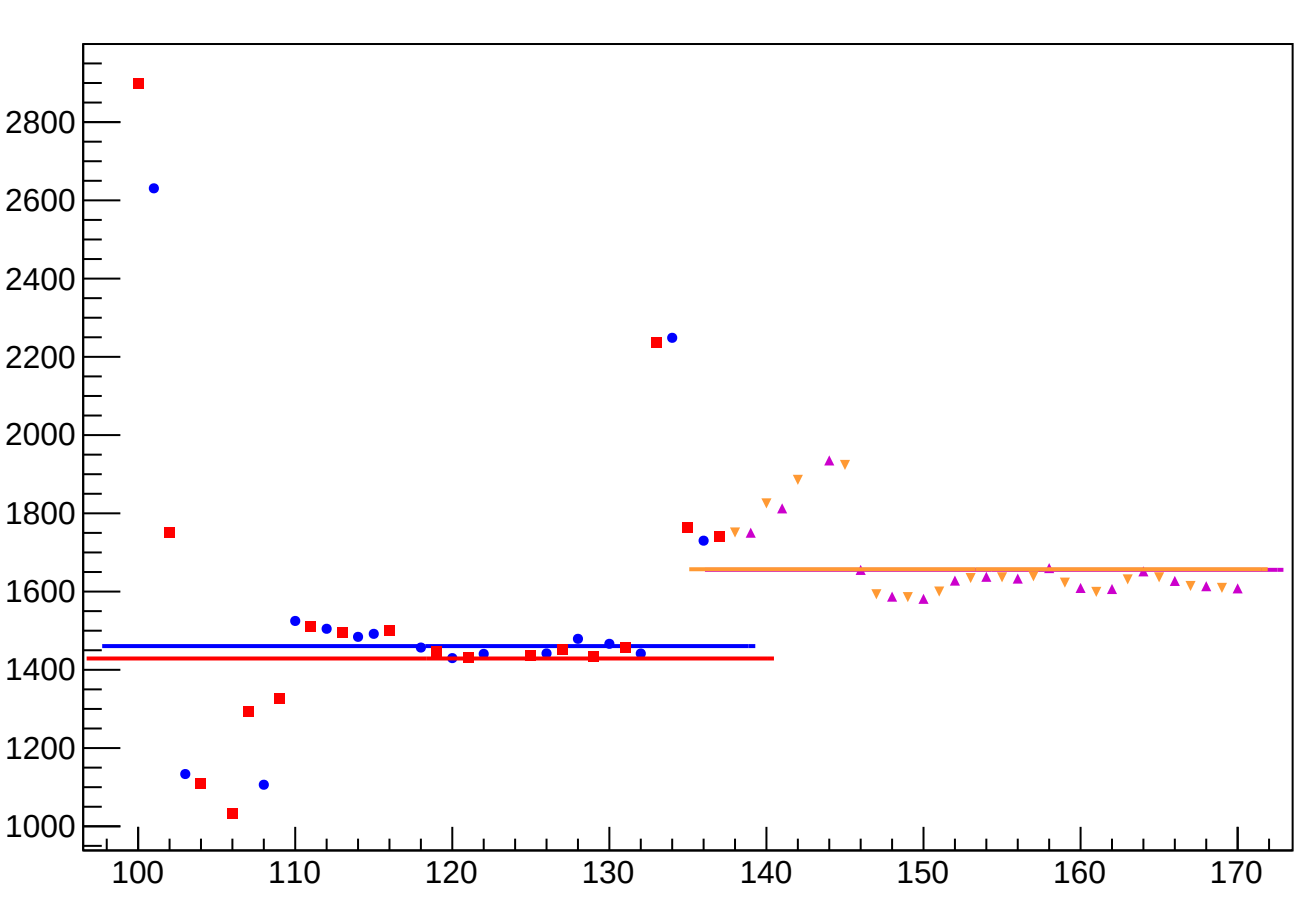
In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: 0.000+/-0.000 χ^2/NDF:21.0/33

All: 0.000+/-0.000 χ^2/NDF: 46.5/65


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1374341.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1828903.8/15
Left: 0.000+/-0.000 χ²/NDF: 3203521.8/31
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:3993100.3/31
Out: 0.000+/-0.000 χ²/NDF:3734477.5/33
All: 0.000+/-0.000 χ²/NDF: 7744254.3/65


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: 1715.478+/-467.023 χ²/NDF:44.2/15
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.155+/-455.958 χ²/NDF:3.1/15
Left: 143.355+/-326.253 χ²/NDF: 69.4/31
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1144.864+/-352.268 χ²/NDF:8.2/31
Out: 918.422+/-355.403 χ²/NDF:67.6/33
All: -122.362+/-250.192 χ²/NDF: 92.8/65



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1657.066+/-0.330 χ^2/NDF:77989.5/15

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

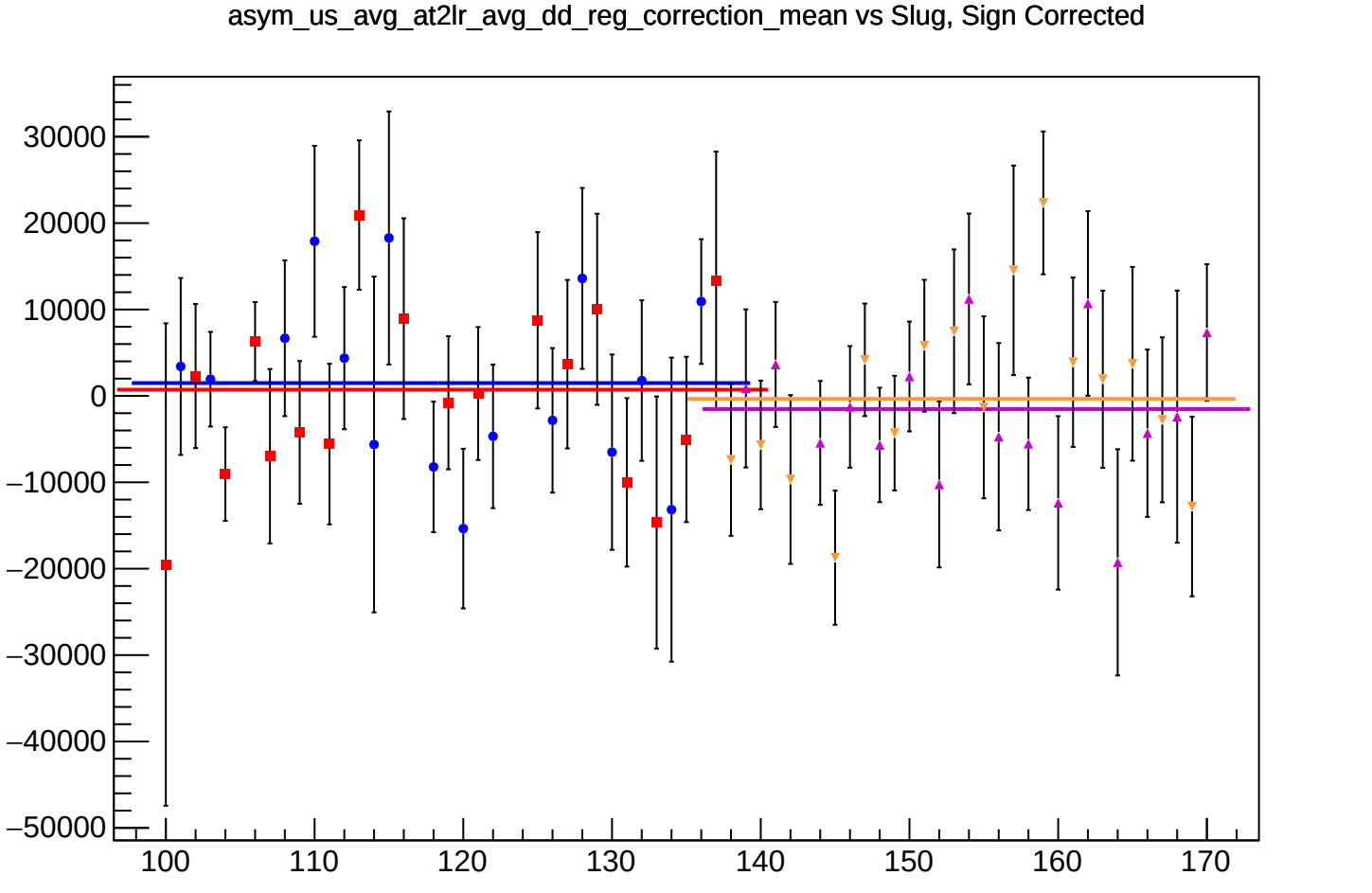
Left: 1656.311+/-0.231 χ^2/NDF: 147747.7/31

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1577.011+/-0.249 χ^2/NDF:792850.1/31

Out: 1560.227+/-0.251 χ^2/NDF:691837.1/33

All: 1568.667+/-0.177 χ^2/NDF: 1486944.2/65



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -344.080+/-2175.992 χ^2/NDF:20.7/15

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1528.382+/-2128.338 χ^2/NDF:10.1/15

Left: -949.341+/-1521.531 χ^2/NDF: 31.0/31

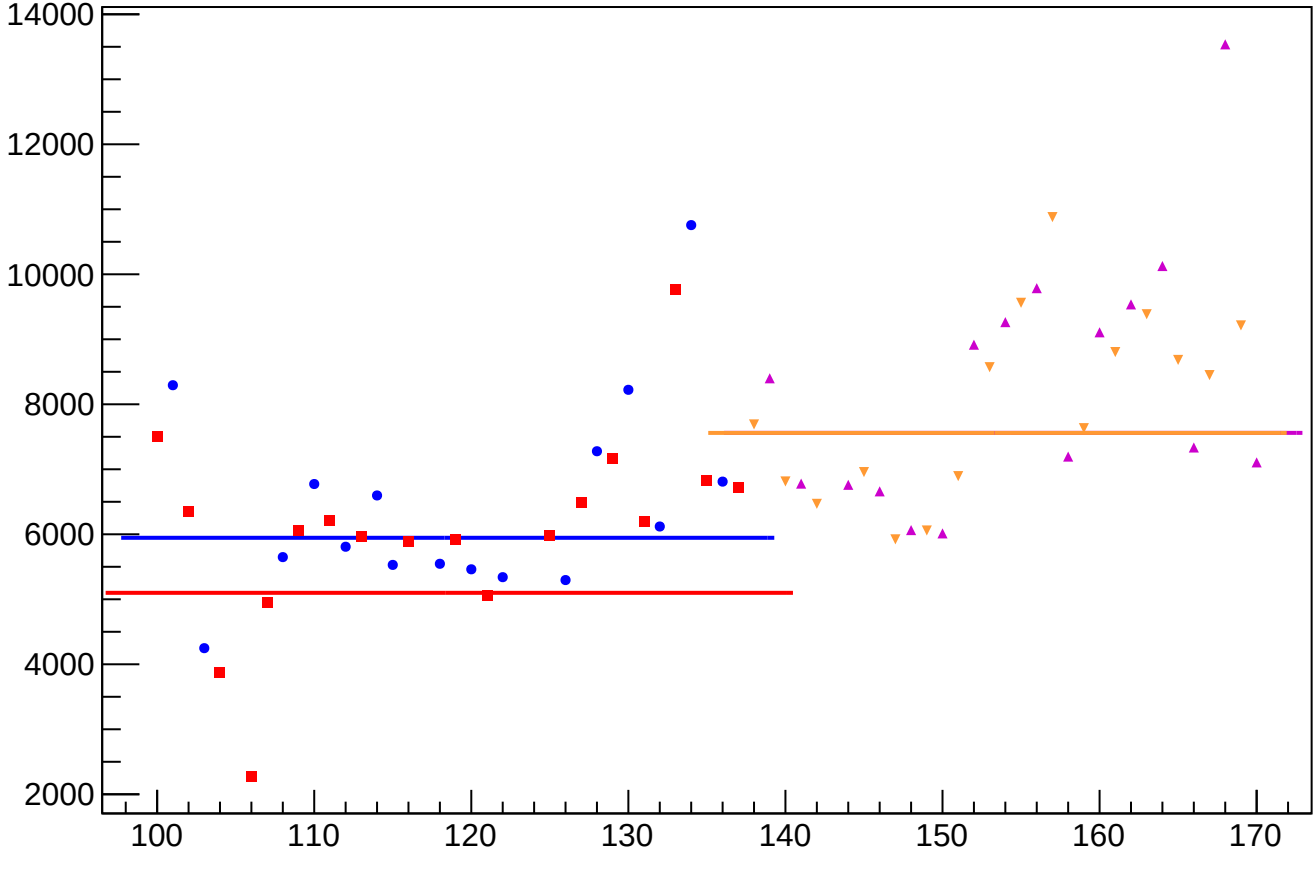
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -116.200+/-1551.998 χ^2/NDF:25.3/31

Out: 229.769+/-1477.101 χ^2/NDF:38.4/33

All: 65.334+/-1069.967 χ^2/NDF: 63.7/65

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: 7559.540+/-1.539 χ^2/NDF:730278.9/15

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7560.267+/-1.505 χ^2/NDF:1042590.8/15

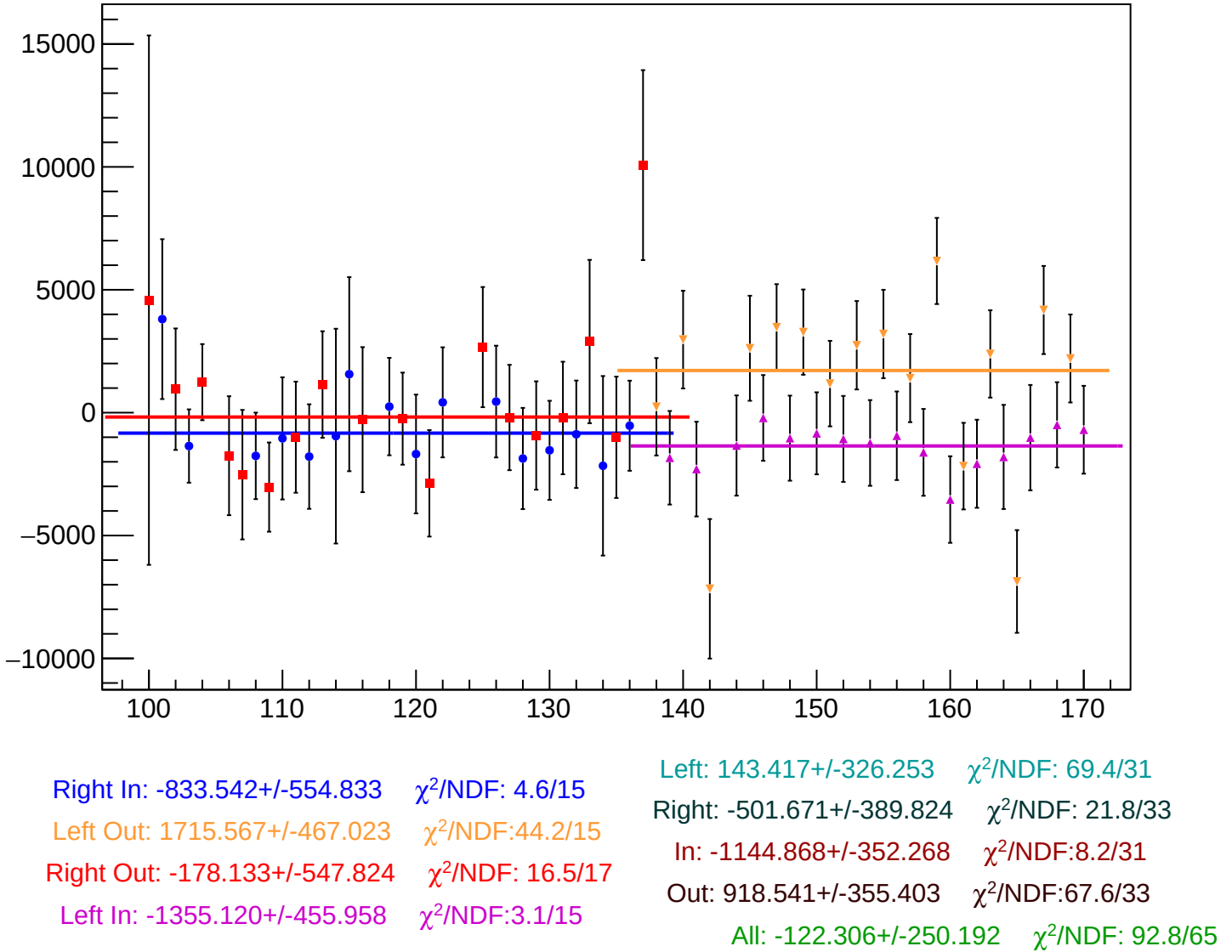
Left: 7559.912+/-1.076 χ^2/NDF: 1772869.8/31

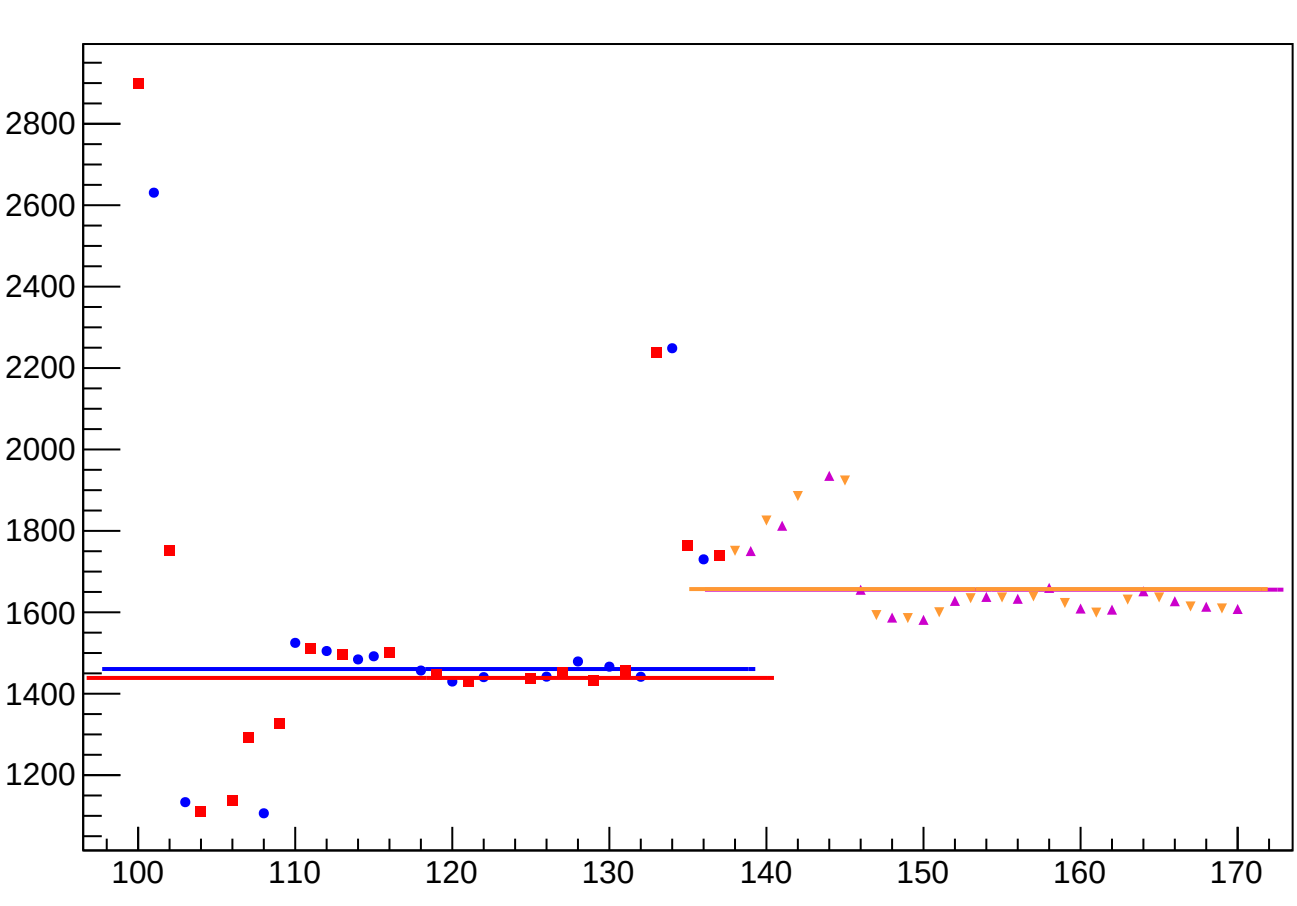
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6804.411+/-1.097 χ^2/NDF:2222415.7/31

Out: 6233.003+/-1.044 χ^2/NDF:3589123.1/33

All: 6504.587+/-0.757 χ^2/NDF: 5953791.4/65


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: 1715.567+/-467.023 χ²/NDF:44.2/15
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.120+/-455.958 χ²/NDF:3.1/15
Left: 143.417+/-326.253 χ²/NDF: 69.4/31
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1144.868+/-352.268 χ²/NDF:8.2/31
Out: 918.541+/-355.403 χ²/NDF:67.6/33
All: -122.306+/-250.192 χ²/NDF: 92.8/65



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1657.066+/-0.330 χ^2/NDF:77989.5/15

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

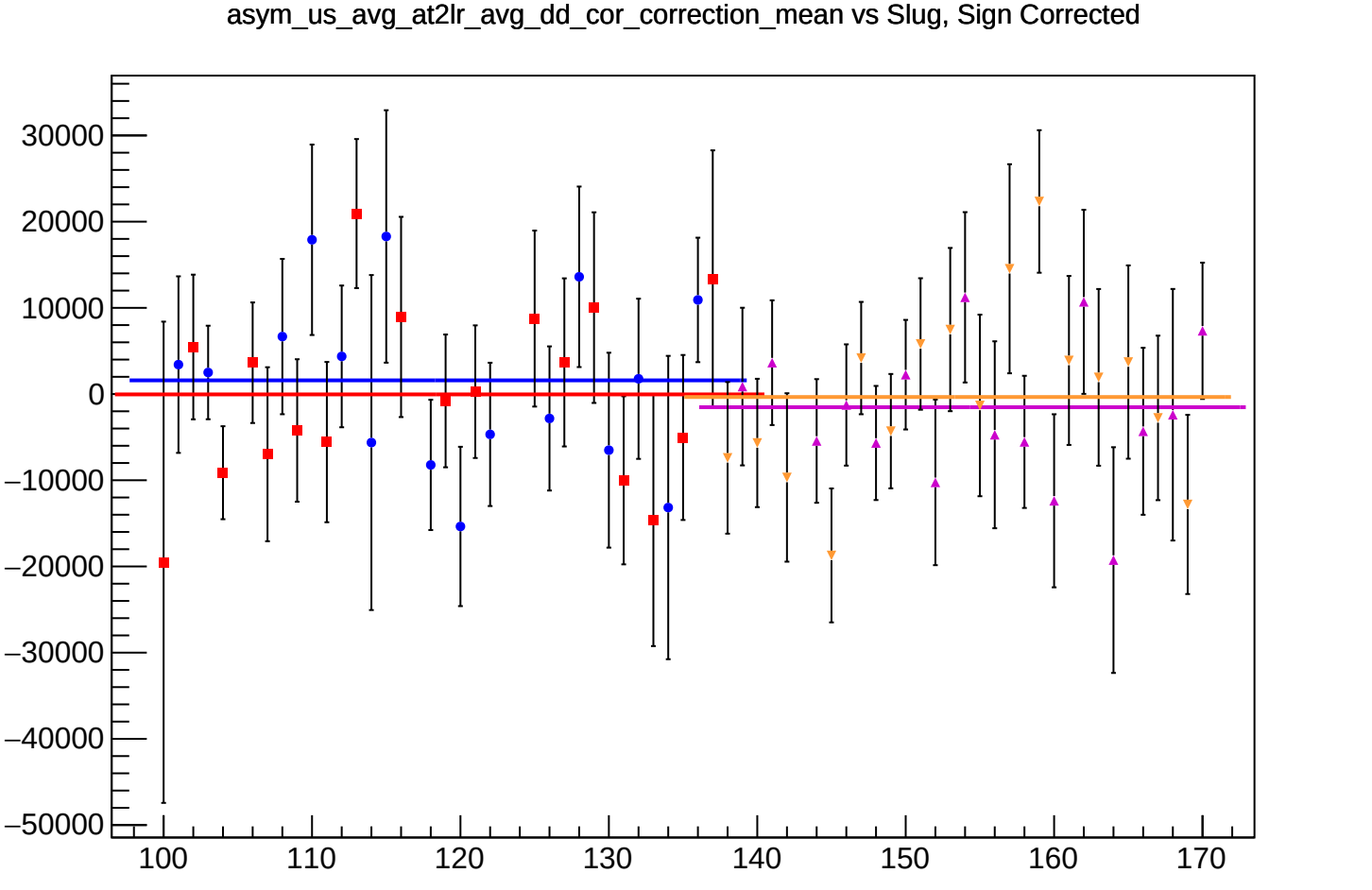
Left: 1656.311+/-0.231 χ^2/NDF: 147747.7/31

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1577.011+/-0.249 χ^2/NDF:792850.5/31

Out: 1564.943+/-0.251 χ^2/NDF:635773.7/33

All: 1571.024+/-0.177 χ^2/NDF: 1429788.6/65



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -344.058+/-2175.991 χ^2/NDF:20.7/15

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1528.428+/-2128.336 χ^2/NDF:10.1/15

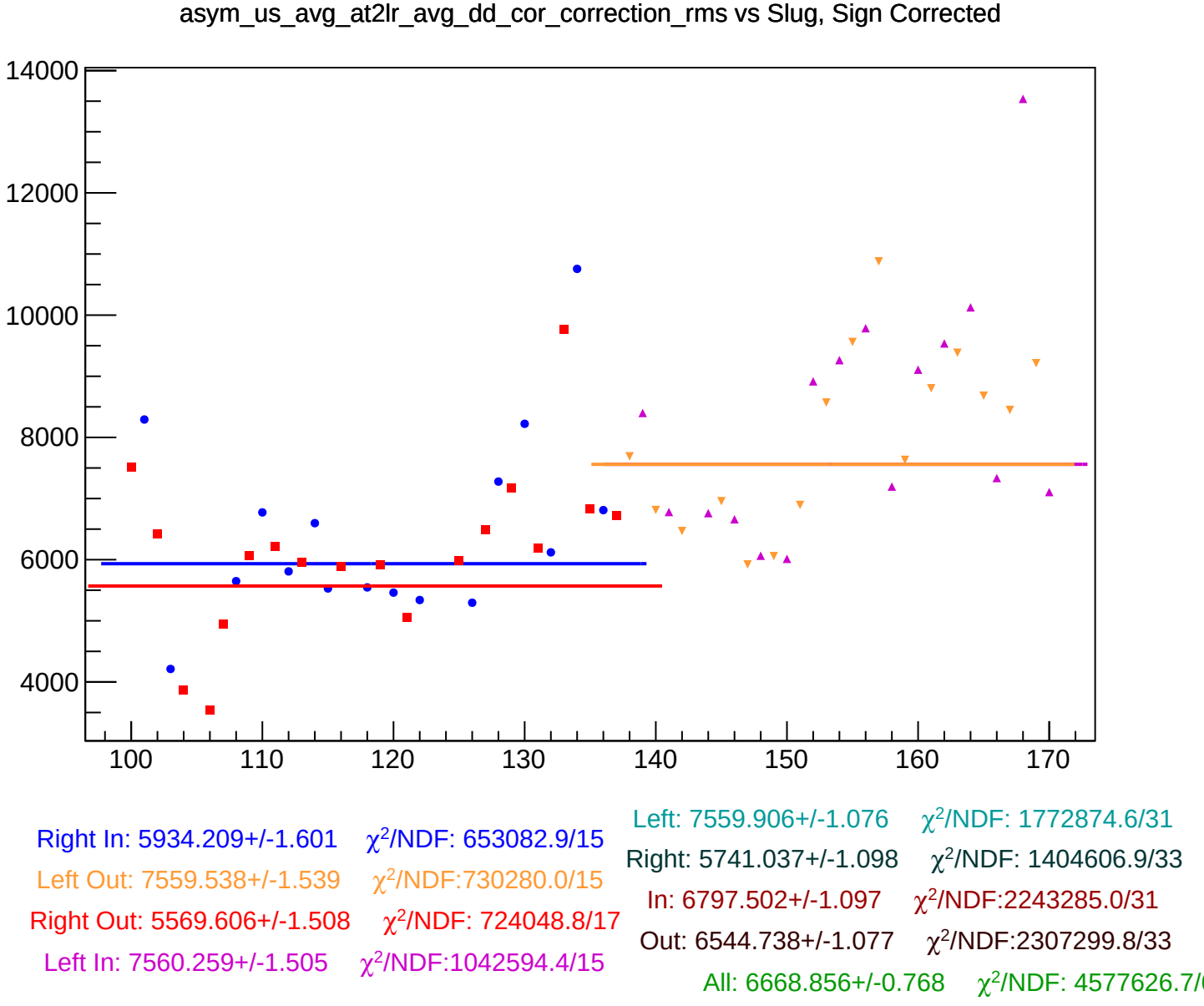
Left: -949.354+/-1521.530 χ^2/NDF: 31.0/31

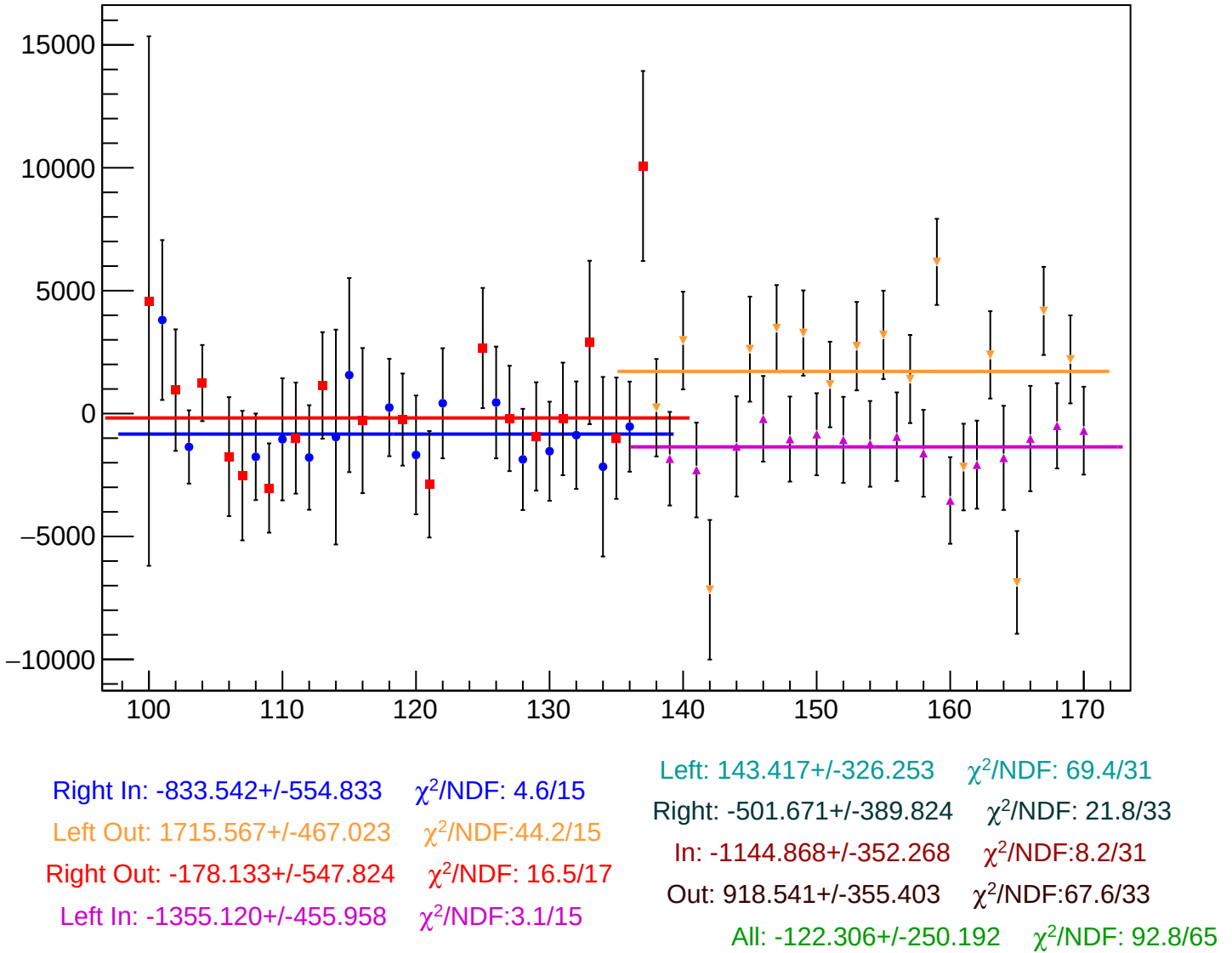
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

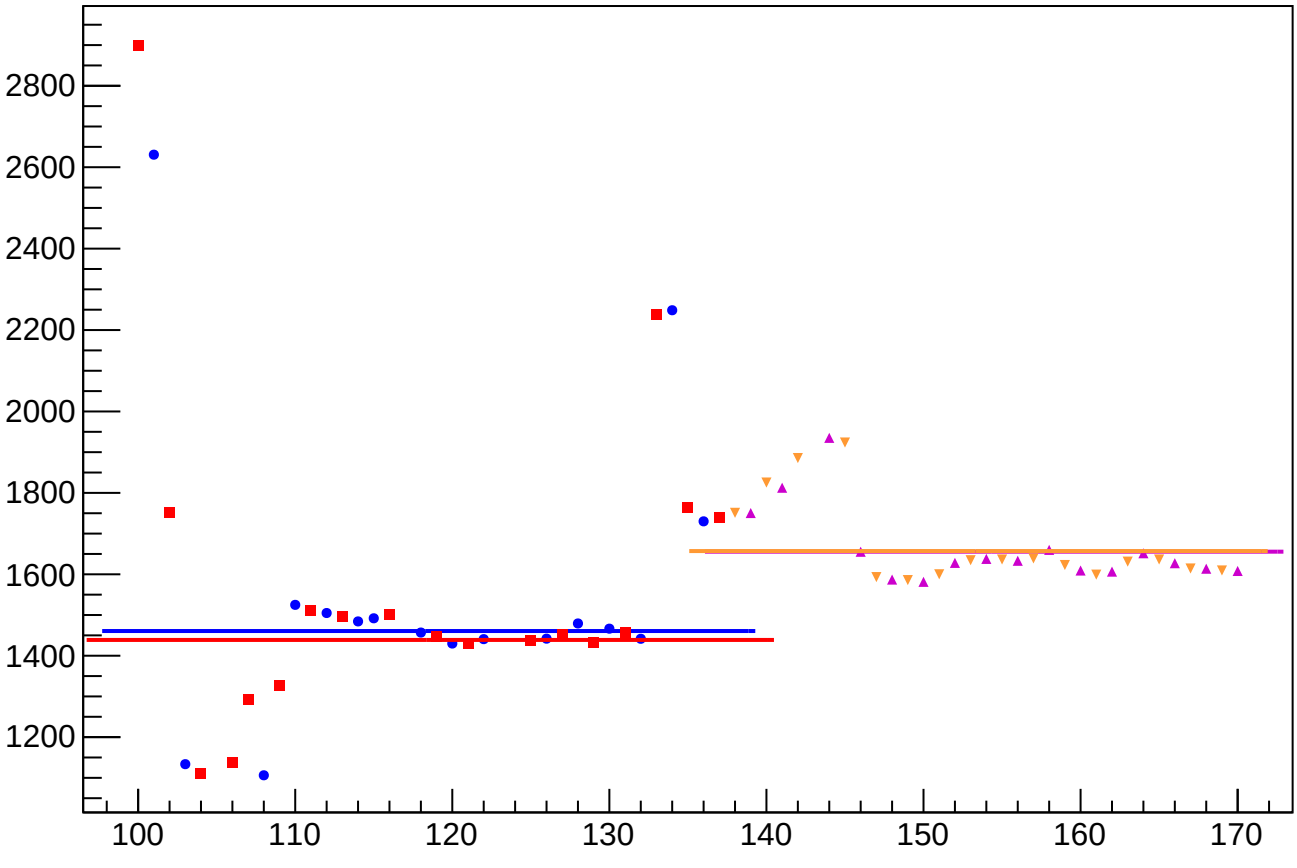
In: -66.249+/-1550.788 χ^2/NDF:25.3/31

Out: -189.326+/-1523.245 χ^2/NDF:37.2/33

All: -128.890+/-1086.704 χ^2/NDF: 62.6/65


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 5934.209+/-1.601 χ²/NDF: 653082.9/15
Left Out: 7559.538+/-1.539 χ²/NDF:730280.0/15
Right Out: 5569.606+/-1.508 χ²/NDF: 724048.8/17
Left In: 7560.259+/-1.505 χ²/NDF:1042594.4/15
Left: 7559.906+/-1.076 χ²/NDF: 1772874.6/31
Right: 5741.037+/-1.098 χ²/NDF: 1404606.9/33
In: 6797.502+/-1.097 χ²/NDF:2243285.0/31
Out: 6544.738+/-1.077 χ²/NDF:2307299.8/33
All: 6668.856+/-0.768 χ²/NDF: 4577626.7/65


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: 1715.567+/-467.023 χ²/NDF:44.2/15
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.120+/-455.958 χ²/NDF:3.1/15
Left: 143.417+/-326.253 χ²/NDF: 69.4/31
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1144.868+/-352.268 χ²/NDF:8.2/31
Out: 918.541+/-355.403 χ²/NDF:67.6/33
All: -122.306+/-250.192 χ²/NDF: 92.8/65



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1657.066+/-0.330 χ^2/NDF:77989.5/15

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

Left: 1656.311+/-0.231 χ^2/NDF: 147747.7/31

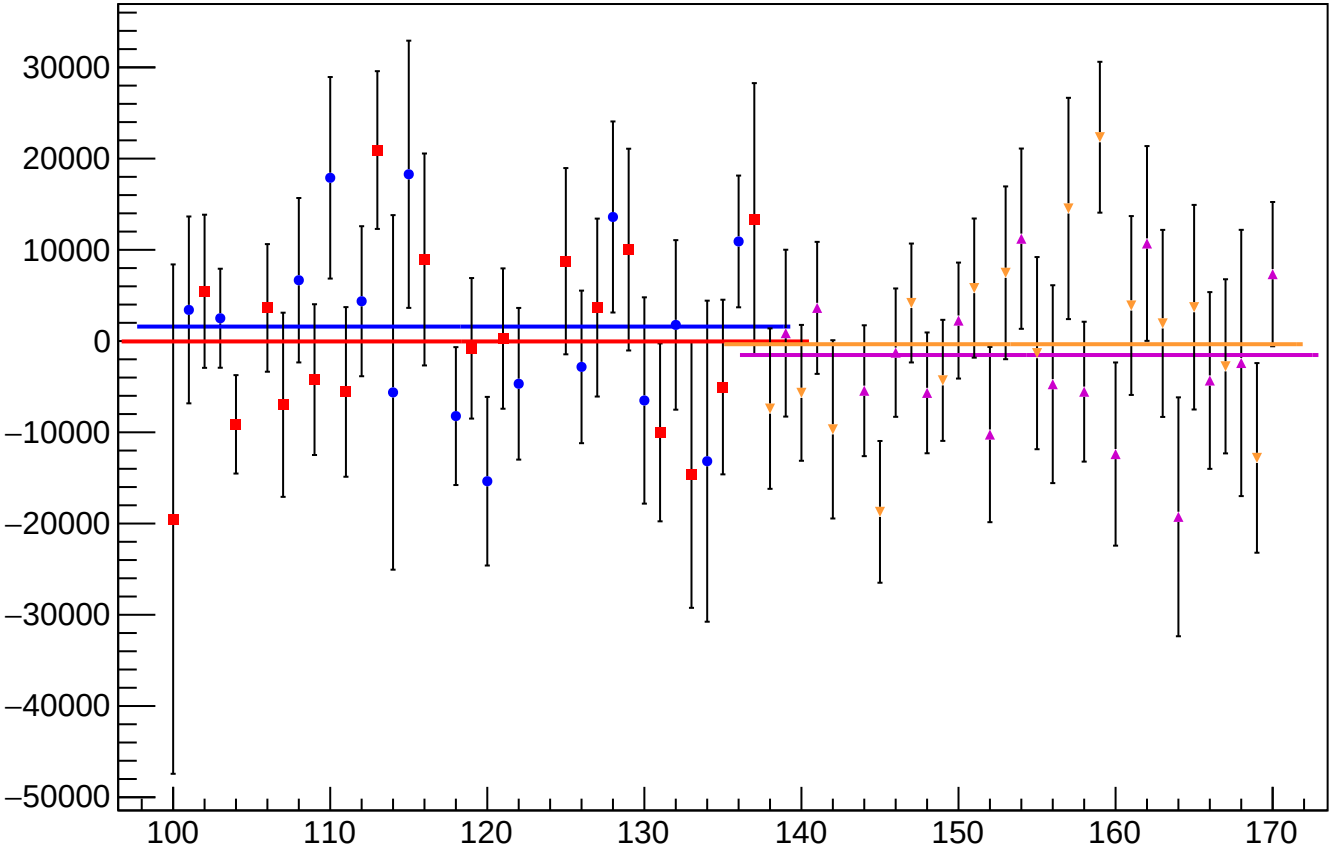
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1577.011+/-0.249 χ^2/NDF:792850.5/31

Out: 1564.943+/-0.251 χ^2/NDF:635773.7/33

All: 1571.024+/-0.177 χ^2/NDF: 1429788.6/65

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -344.058+/-2175.991 χ^2/NDF:20.7/15

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1528.428+/-2128.336 χ^2/NDF:10.1/15

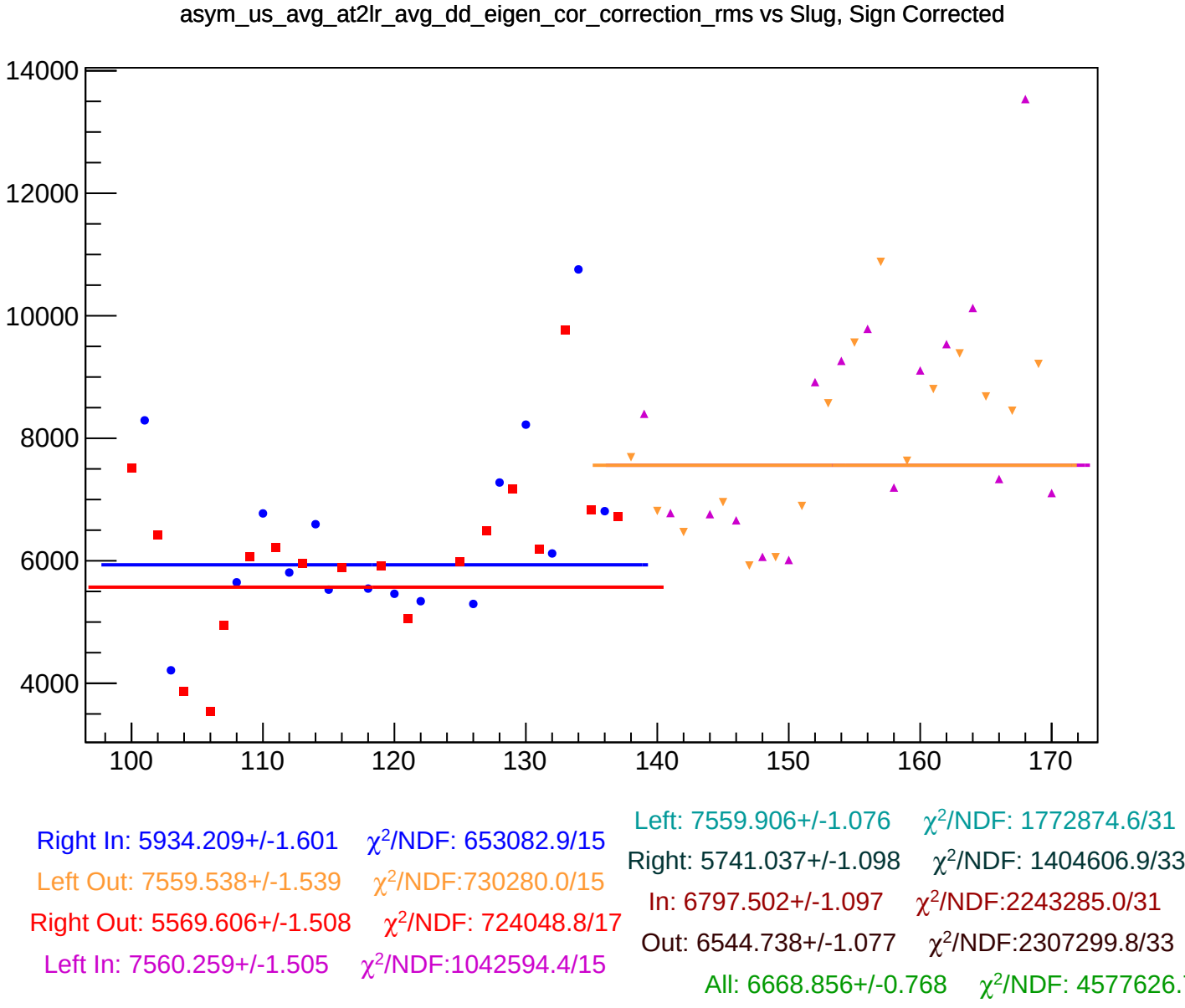
Left: -949.354+/-1521.530 χ^2/NDF: 31.0/31

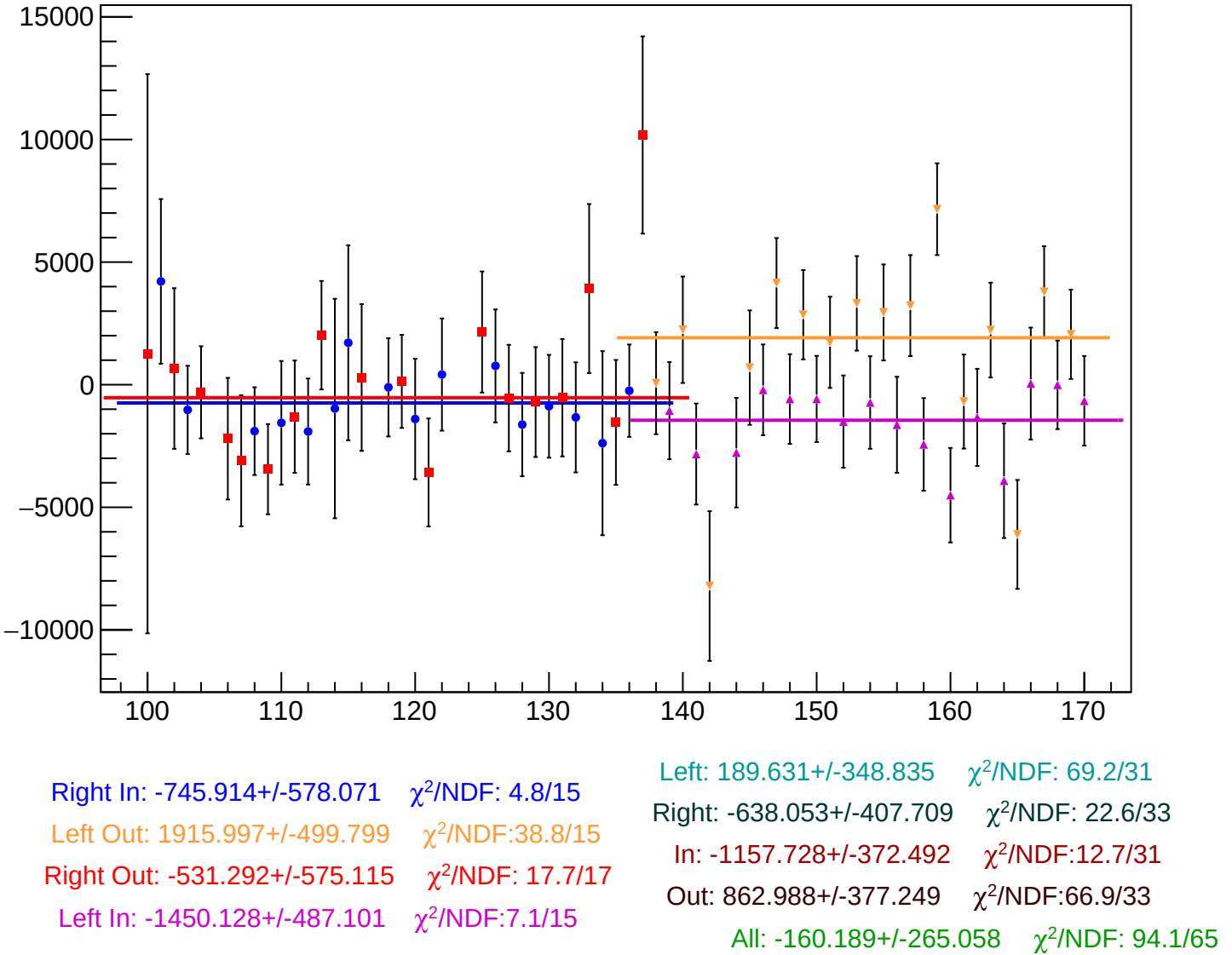
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

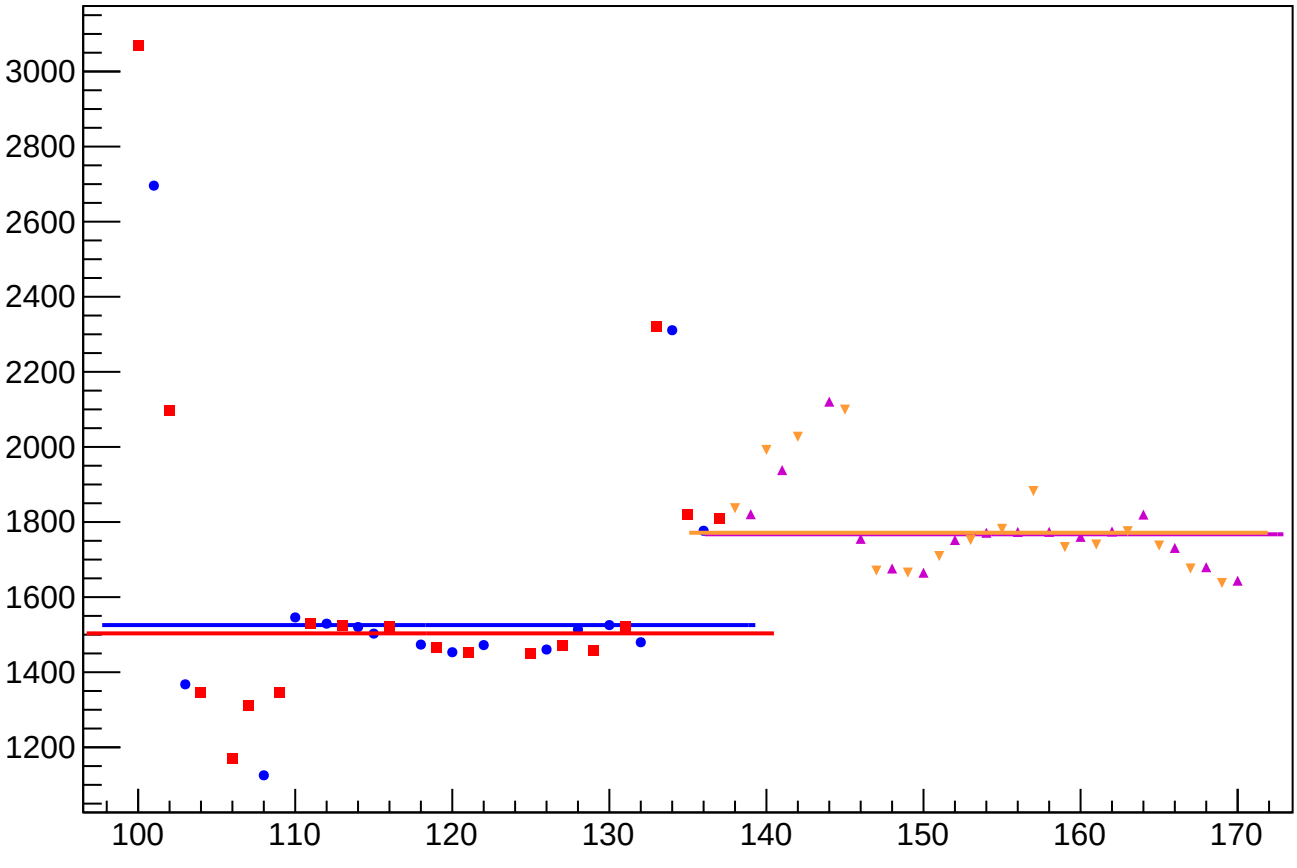
In: -66.249+/-1550.788 χ^2/NDF:25.3/31

Out: -189.326+/-1523.245 χ^2/NDF:37.2/33

All: -128.890+/-1086.704 χ^2/NDF: 62.6/65


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 5934.209+/-1.601 χ²/NDF: 653082.9/15
Left Out: 7559.538+/-1.539 χ²/NDF:730280.0/15
Right Out: 5569.606+/-1.508 χ²/NDF: 724048.8/17
Left In: 7560.259+/-1.505 χ²/NDF:1042594.4/15
Left: 7559.906+/-1.076 χ²/NDF: 1772874.6/31
Right: 5741.037+/-1.098 χ²/NDF: 1404606.9/33
In: 6797.502+/-1.097 χ²/NDF:2243285.0/31
Out: 6544.738+/-1.077 χ²/NDF:2307299.8/33
All: 6668.856+/-0.768 χ²/NDF: 4577626.7/65


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1915.997+/-499.799 χ²/NDF:38.8/15
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1450.128+/-487.101 χ²/NDF:7.1/15
Left: 189.631+/-348.835 χ²/NDF: 69.2/31
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1157.728+/-372.492 χ²/NDF:12.7/31
Out: 862.988+/-377.249 χ²/NDF:66.9/33
All: -160.189+/-265.058 χ²/NDF: 94.1/65



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1771.492+/-0.353 χ^2/NDF:115091.4/15

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1767.362+/-0.344 χ^2/NDF:92611.8/15

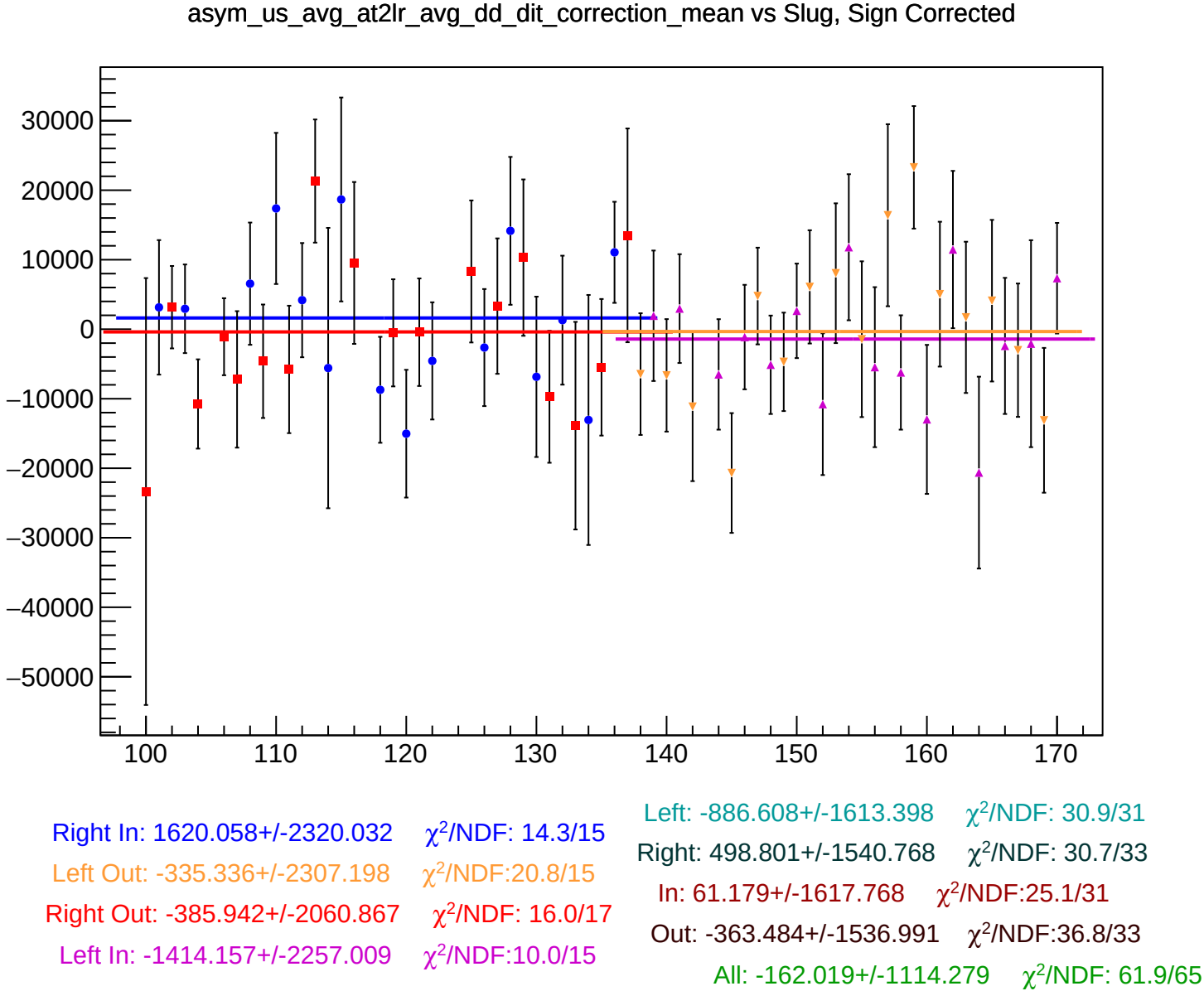
Left: 1769.374+/-0.247 χ^2/NDF: 207773.2/31

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

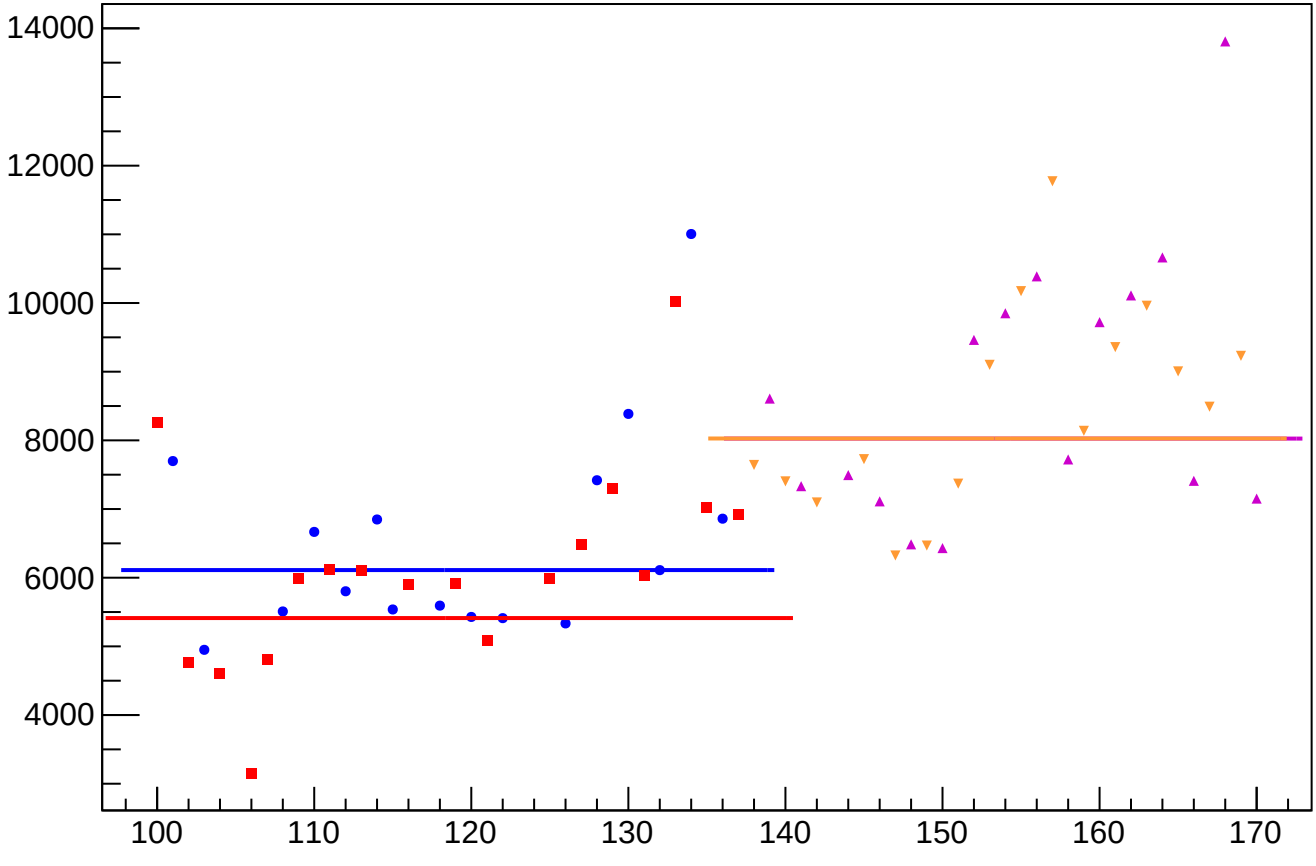
In: 1666.952+/-0.263 χ^2/NDF:785618.2/31

Out: 1656.115+/-0.267 χ^2/NDF:701218.5/33

All: 1661.602+/-0.187 χ^2/NDF: 1487672.6/65


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: -335.336+/-2307.198 χ²/NDF:20.8/15
Right Out: -385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: -1414.157+/-2257.009 χ²/NDF:10.0/15
Left: -886.608+/-1613.398 χ²/NDF: 30.9/31
Right: 498.801+/-1540.768 χ²/NDF: 30.7/33
In: 61.179+/-1617.768 χ²/NDF:25.1/31
Out: -363.484+/-1536.991 χ²/NDF:36.8/33
All: -162.019+/-1114.279 χ²/NDF: 61.9/65

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: 8027.154+/-1.631 χ^2/NDF:664497.6/15

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8025.728+/-1.596 χ^2/NDF:978584.2/15

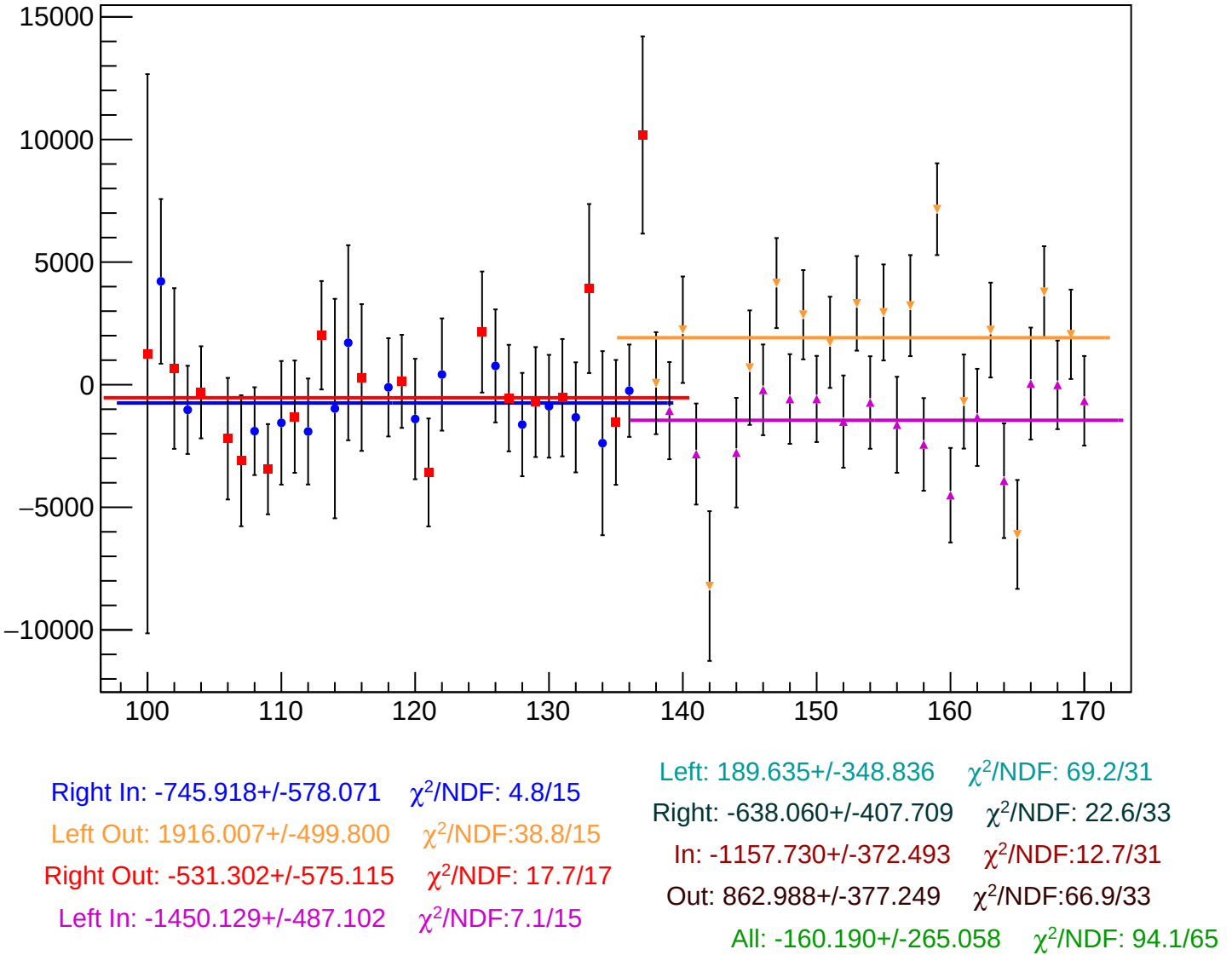
Left: 8026.425+/-1.141 χ^2/NDF: 1643082.2/31

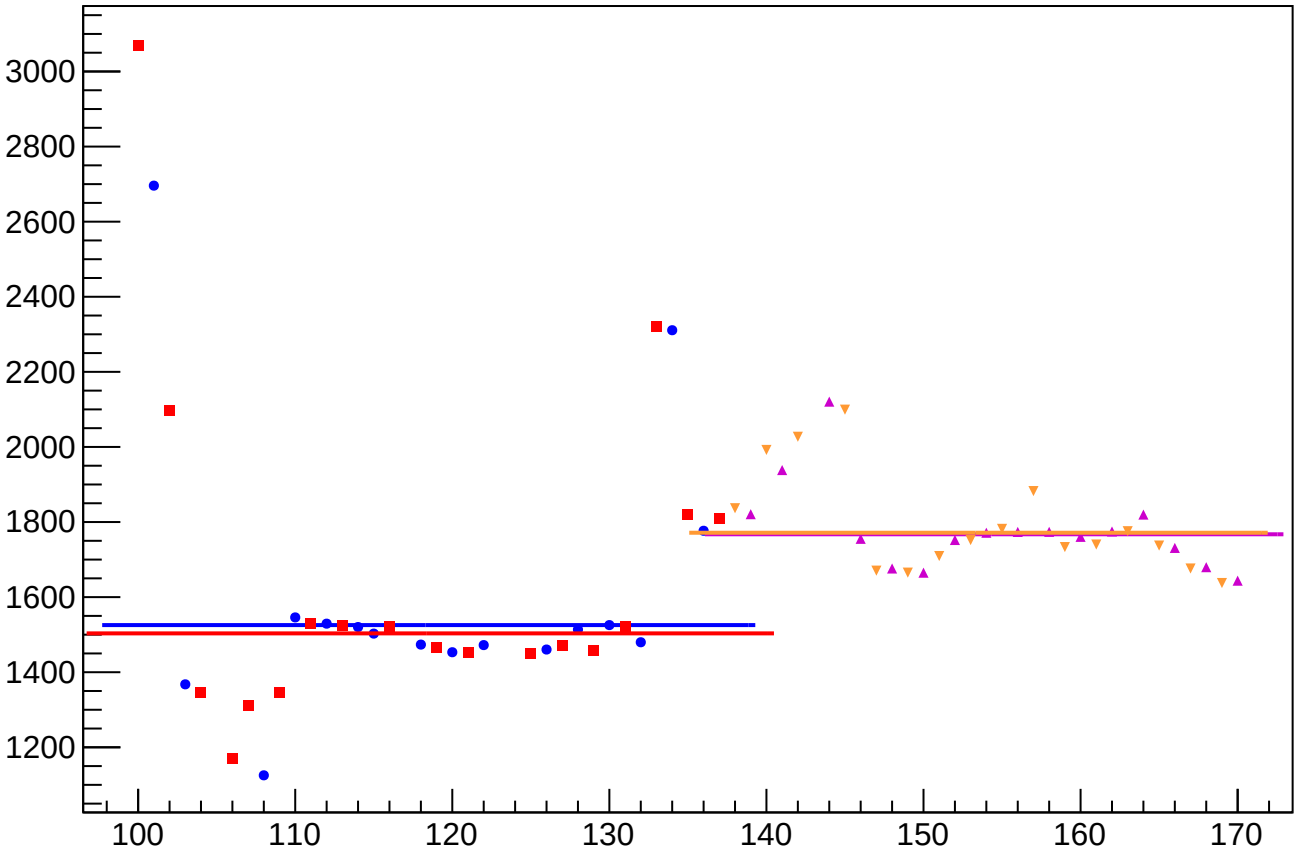
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7094.742+/-1.144 χ^2/NDF:2150097.1/31

Out: 6572.720+/-1.087 χ^2/NDF:2914939.8/33

All: 6820.373+/-0.788 χ^2/NDF: 5174488.0/65


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1916.007+/-499.800 χ²/NDF:38.8/15
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1450.129+/-487.102 χ²/NDF:7.1/15
Left: 189.635+/-348.836 χ²/NDF: 69.2/31
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1157.730+/-372.493 χ²/NDF:12.7/31
Out: 862.988+/-377.249 χ²/NDF:66.9/33
All: -160.190+/-265.058 χ²/NDF: 94.1/65



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1771.495+/-0.353 χ^2/NDF:115092.8/15

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1767.365+/-0.344 χ^2/NDF:92612.6/15

Left: 1769.377+/-0.247 χ^2/NDF: 207775.4/31

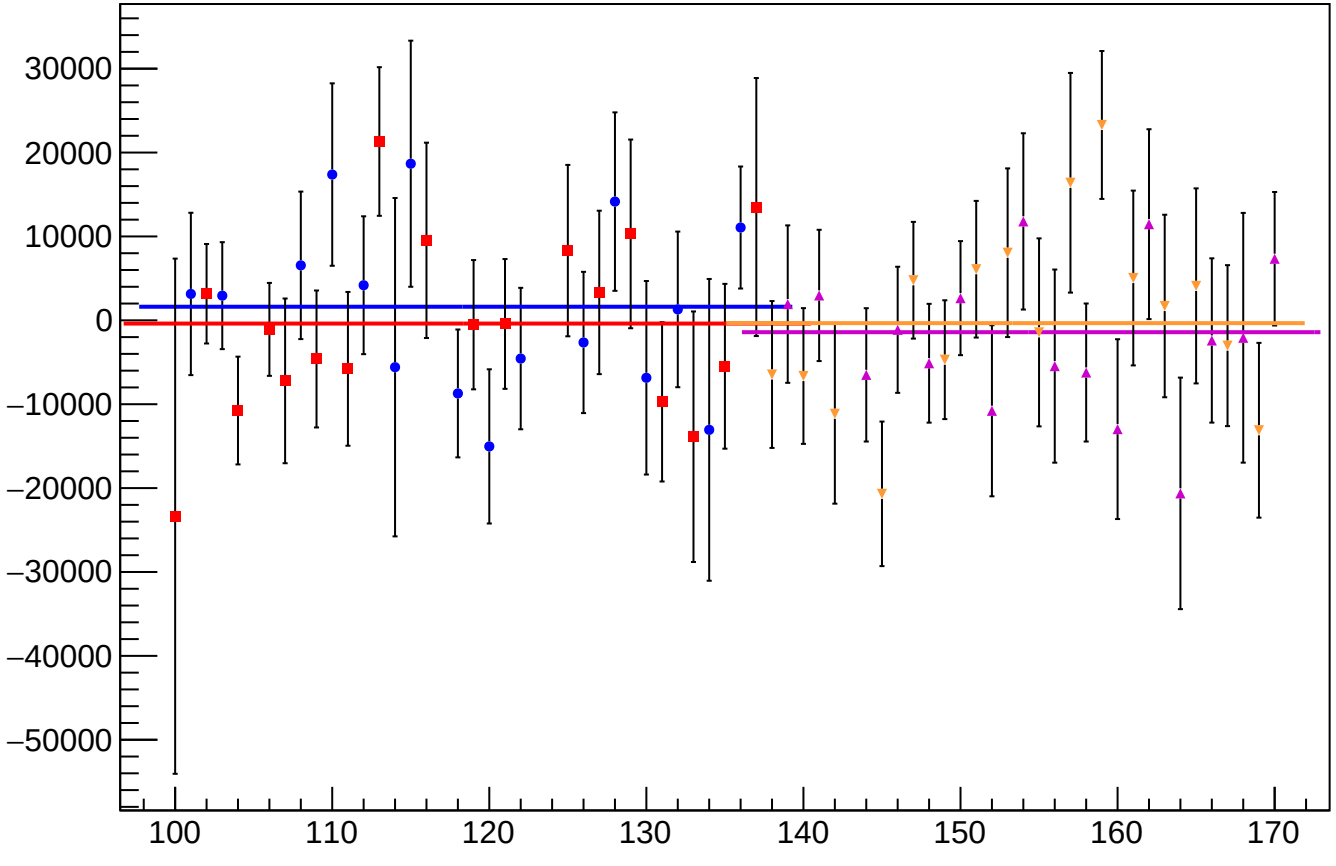
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1666.954+/-0.263 χ^2/NDF:785623.2/31

Out: 1656.116+/-0.267 χ^2/NDF:701224.7/33

All: 1661.603+/-0.187 χ^2/NDF: 1487683.8/65

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: -335.335+/-2307.201 χ^2/NDF:20.8/15

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1414.153+/-2257.012 χ^2/NDF:10.0/15

Left: -886.606+/-1613.400 χ^2/NDF: 30.9/31

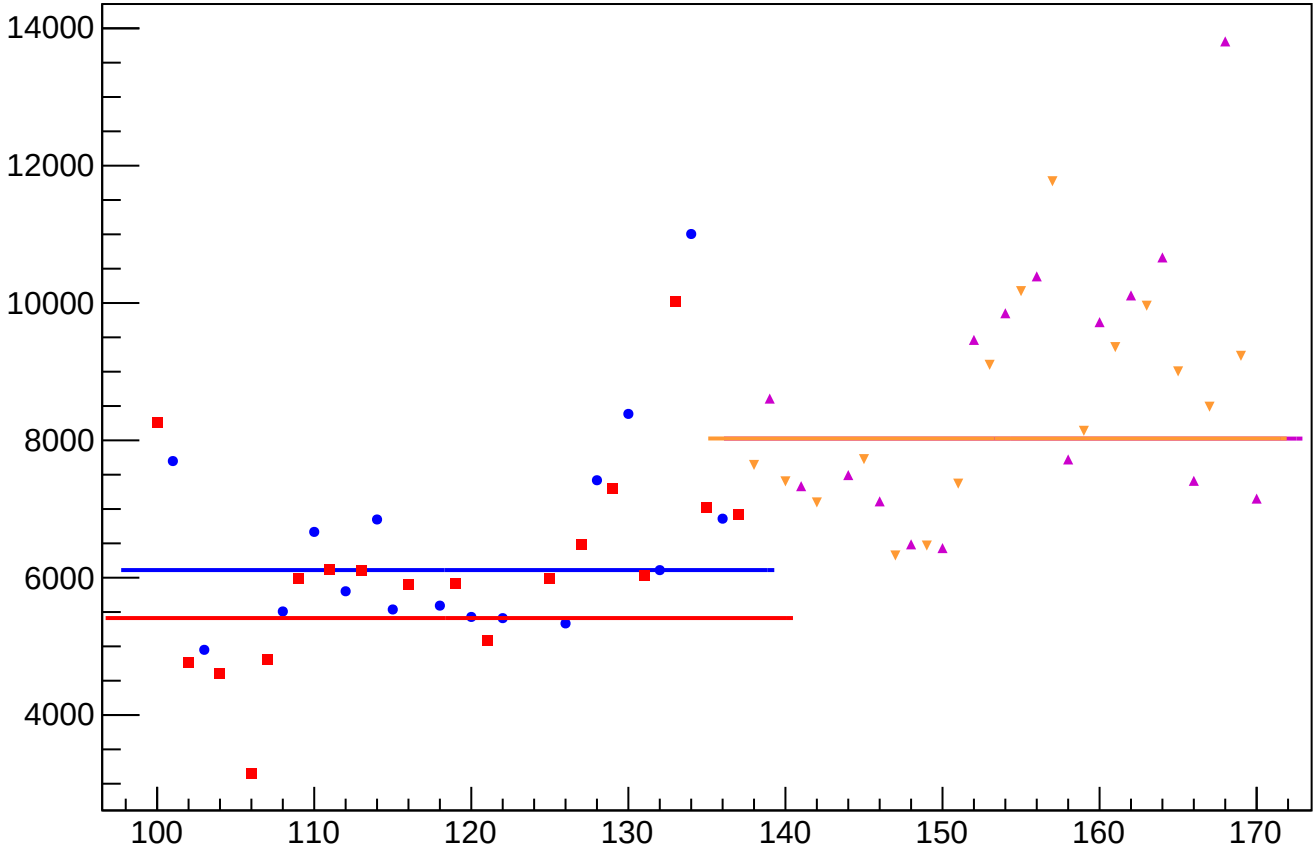
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 61.176+/-1617.768 χ^2/NDF:25.1/31

Out: -363.487+/-1536.990 χ^2/NDF:36.8/33

All: -162.022+/-1114.279 χ^2/NDF: 61.9/65

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: 8027.164+/-1.631 χ^2/NDF:664499.1/15

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8025.738+/-1.596 χ^2/NDF:978586.8/15

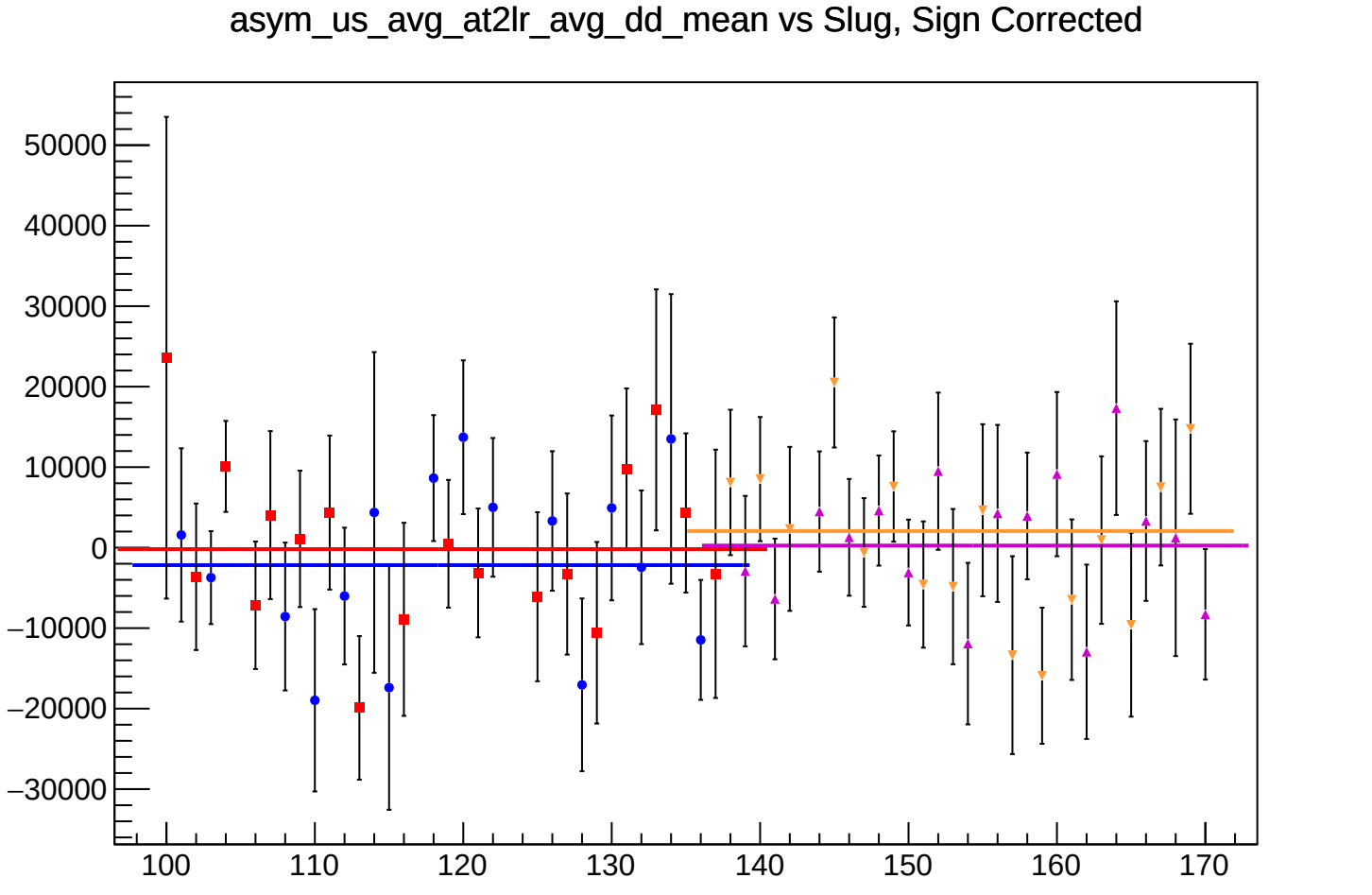
Left: 8026.436+/-1.141 χ^2/NDF: 1643086.3/31

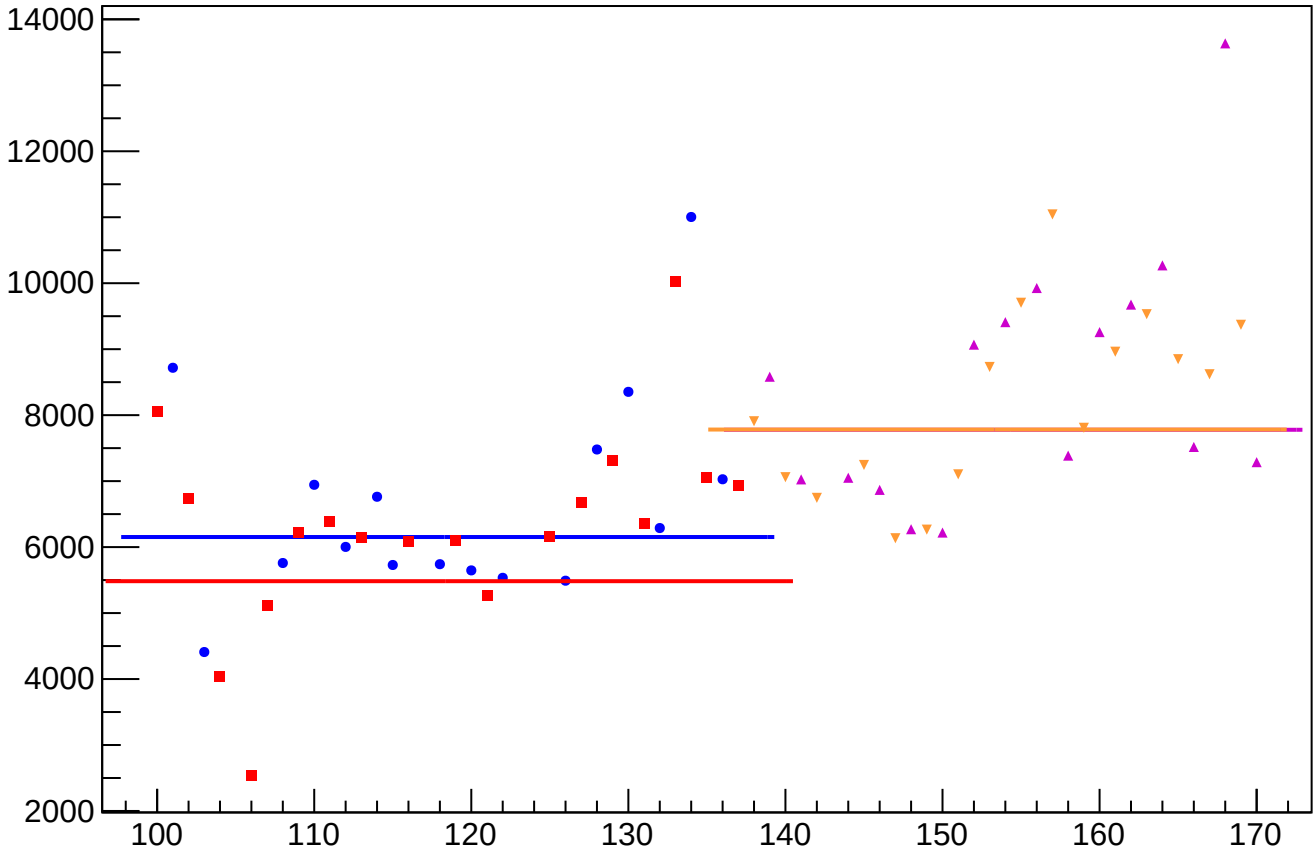
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7094.737+/-1.144 χ^2/NDF:2150119.5/31

Out: 6572.714+/-1.087 χ^2/NDF:2914966.2/33

All: 6820.368+/-0.788 χ^2/NDF: 5174537.3/65


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 2061.539+/-2235.597 χ²/NDF:18.1/15
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 255.732+/-2185.742 χ²/NDF:9.7/15
Left: 1138.276+/-1562.881 χ²/NDF: 28.2/31
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -872.483+/-1599.736 χ²/NDF:24.9/31
Out: 935.614+/-1578.426 χ²/NDF:33.3/33
All: 43.688+/-1123.574 χ²/NDF: 58.8/65



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7781.813+/-1.581 χ^2/NDF:666226.0/15

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.321+/-1.546 χ^2/NDF:964289.2/15

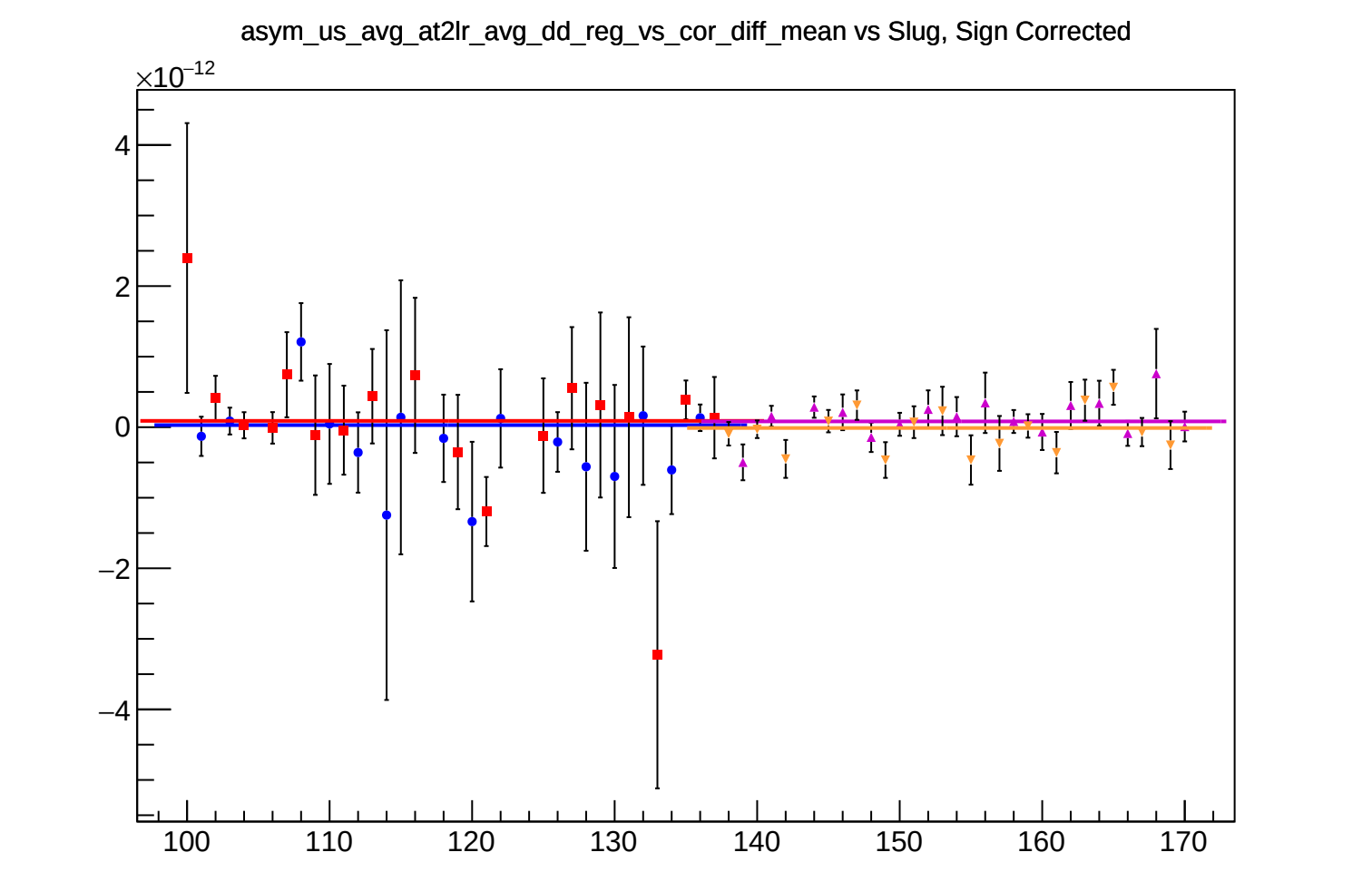
Left: 7780.027+/-1.105 χ^2/NDF: 1630517.7/31

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7023.490+/-1.131 χ^2/NDF:2102008.9/31

Out: 6587.112+/-1.095 χ^2/NDF:2913798.2/33

All: 6798.303+/-0.787 χ^2/NDF: 5092603.6/65



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/15

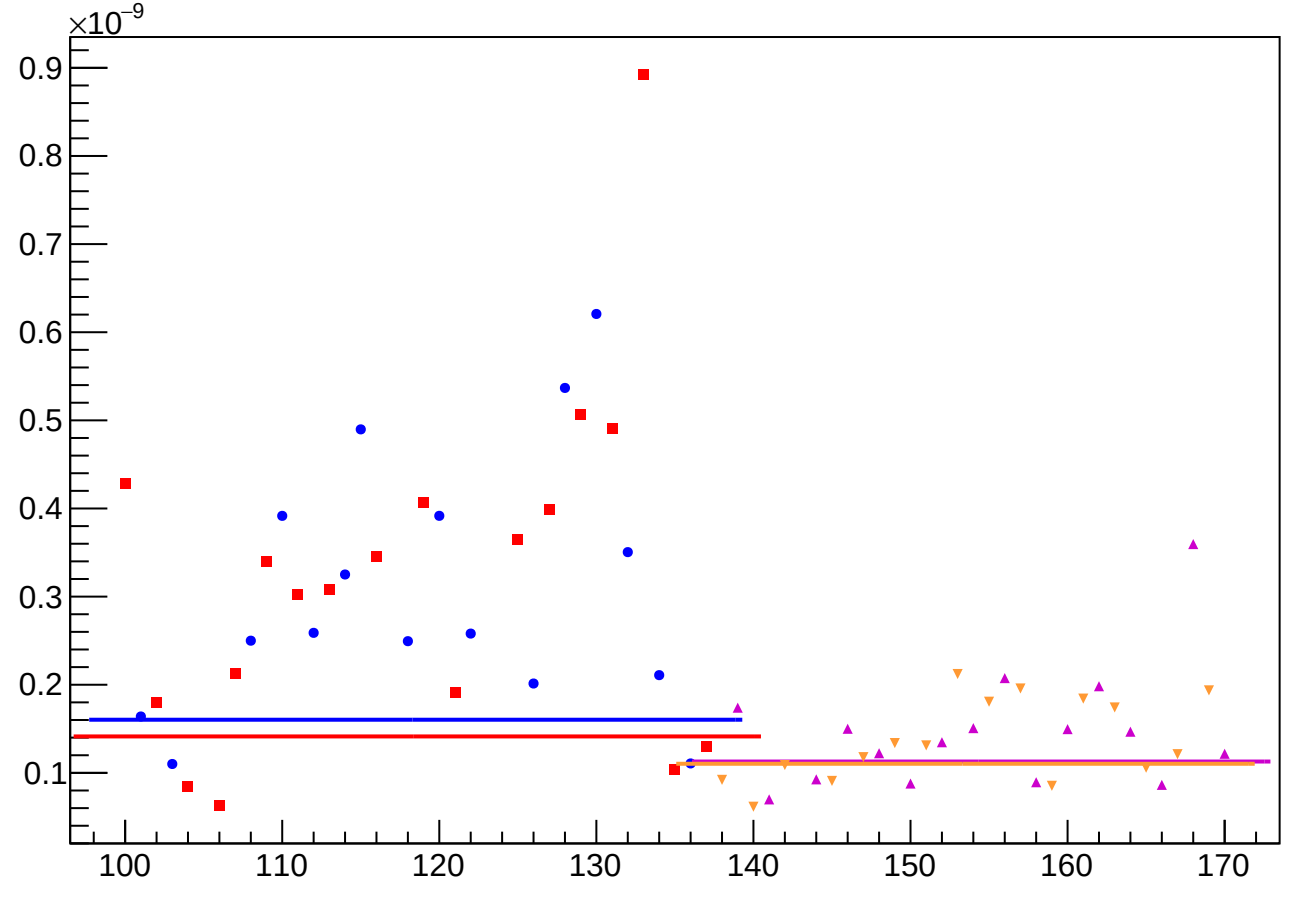
Left: 0.000+/-0.000 χ^2/NDF: 35.6/31

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.0/31

Out: 0.000+/-0.000 χ^2/NDF:38.1/33

All: 0.000+/-0.000 χ^2/NDF: 61.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1145627.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1152518.4/15

Left: 0.000+/-0.000 χ^2/NDF: 2300366.1/31

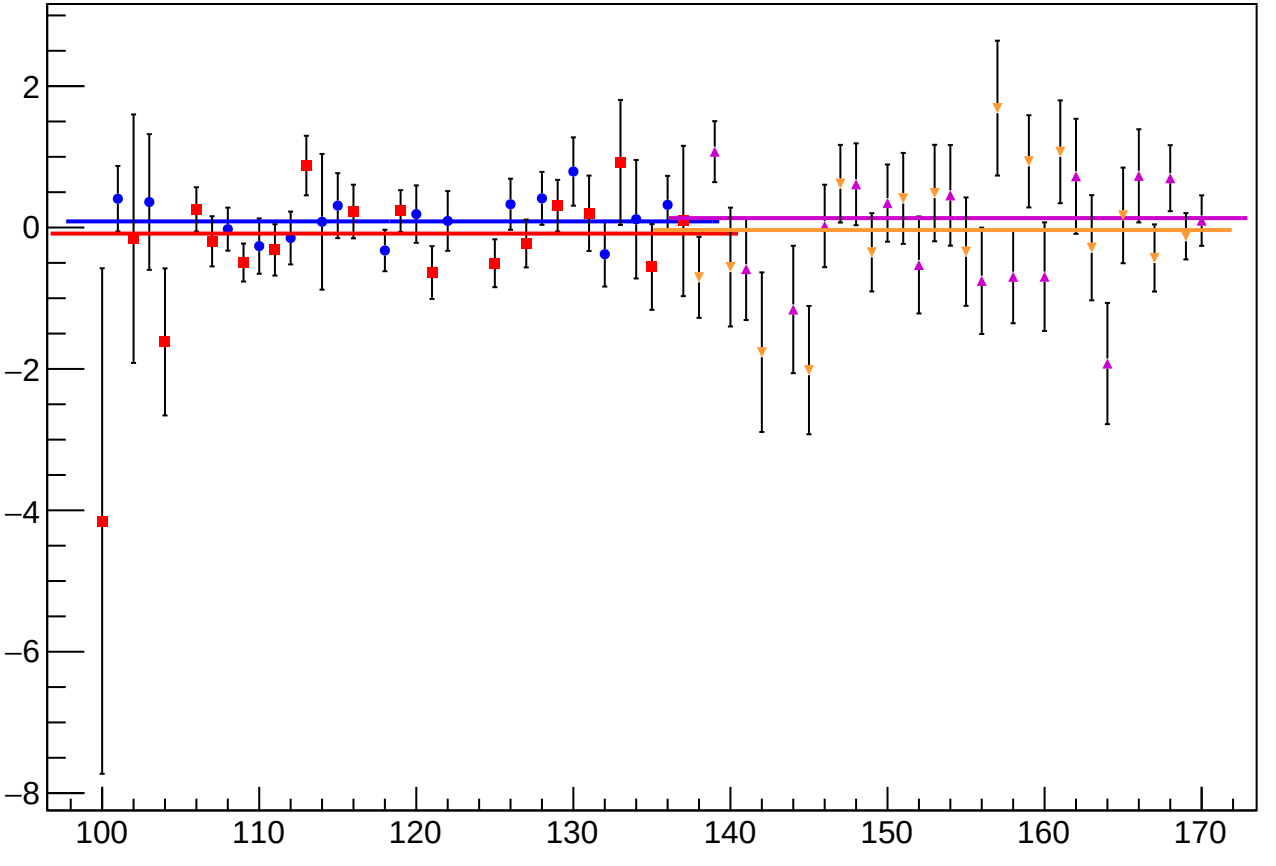
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2811193.2/31

Out: 0.000+/-0.000 χ^2/NDF:3454959.8/33

All: 0.000+/-0.000 χ^2/NDF: 6281709.5/65

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.036+/-0.154 χ^2/NDF:20.6/15

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.133+/-0.149 χ^2/NDF:22.6/15

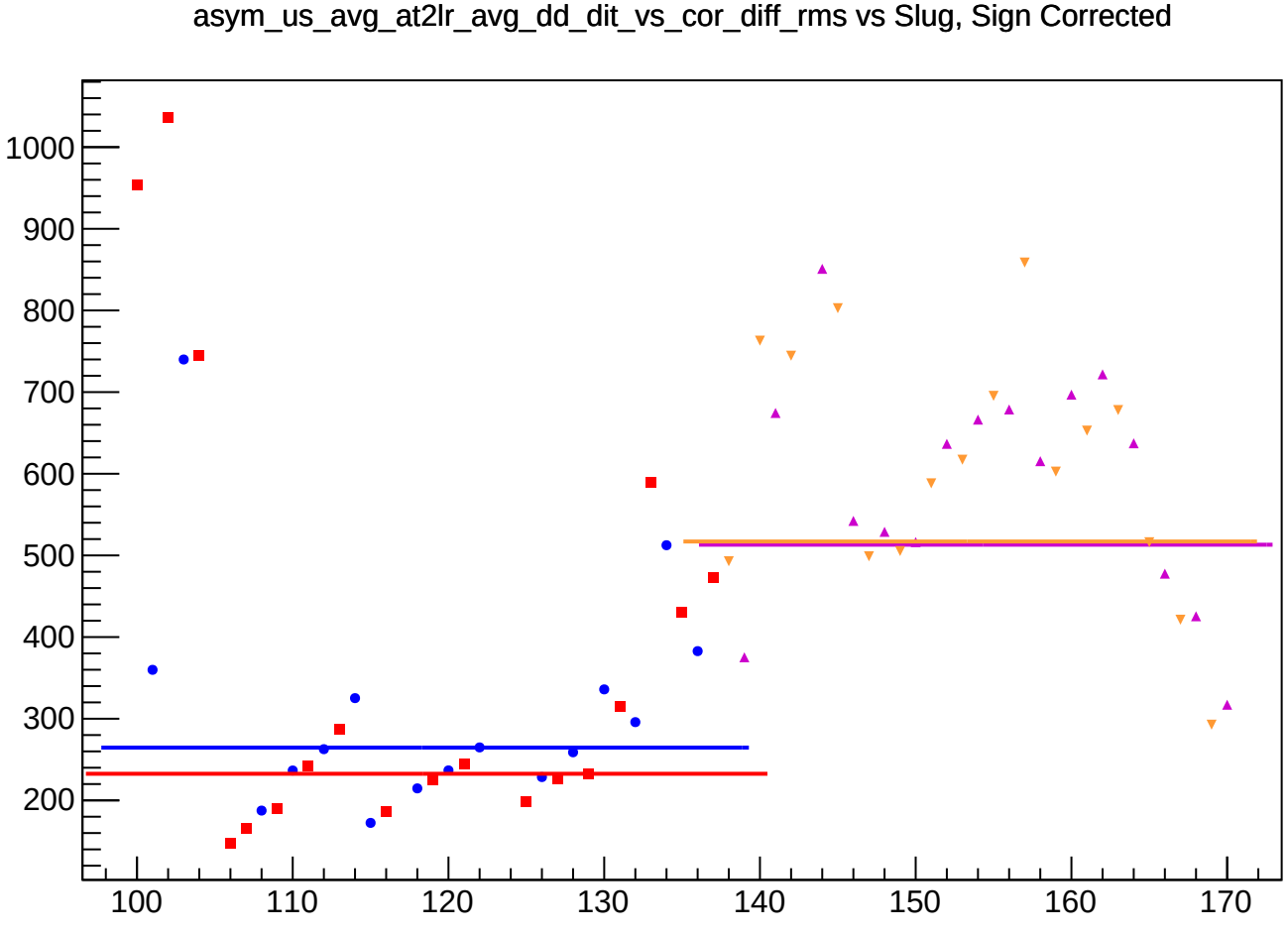
Left: 0.052+/-0.107 χ^2/NDF: 43.8/31

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.071+/-0.082 χ^2/NDF:42.5/33

All: 0.012+/-0.059 χ^2/NDF: 76.1/65



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 517.039+/-0.109 χ^2/NDF:2106547.2/15

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 513.111+/-0.105 χ^2/NDF:1862280.7/15

Left: 515.010+/-0.076 χ^2/NDF: 3969503.9/31

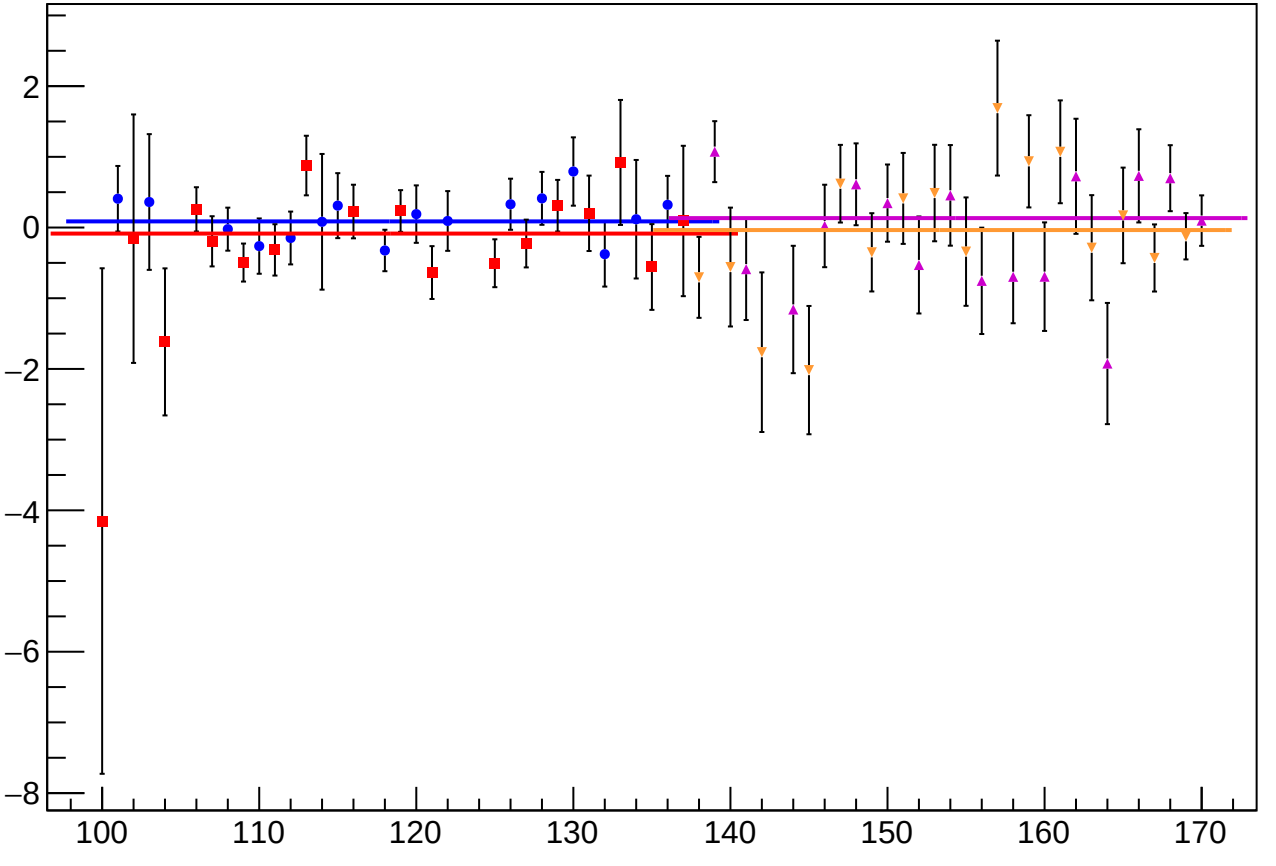
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 347.502+/-0.061 χ^2/NDF:6874050.8/31

Out: 314.111+/-0.058 χ^2/NDF:9033702.9/33

All: 330.096+/-0.042 χ^2/NDF: 16065691.1/65

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: -0.036+/-0.154 χ^2/NDF:20.6/15

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.133+/-0.149 χ^2/NDF:22.6/15

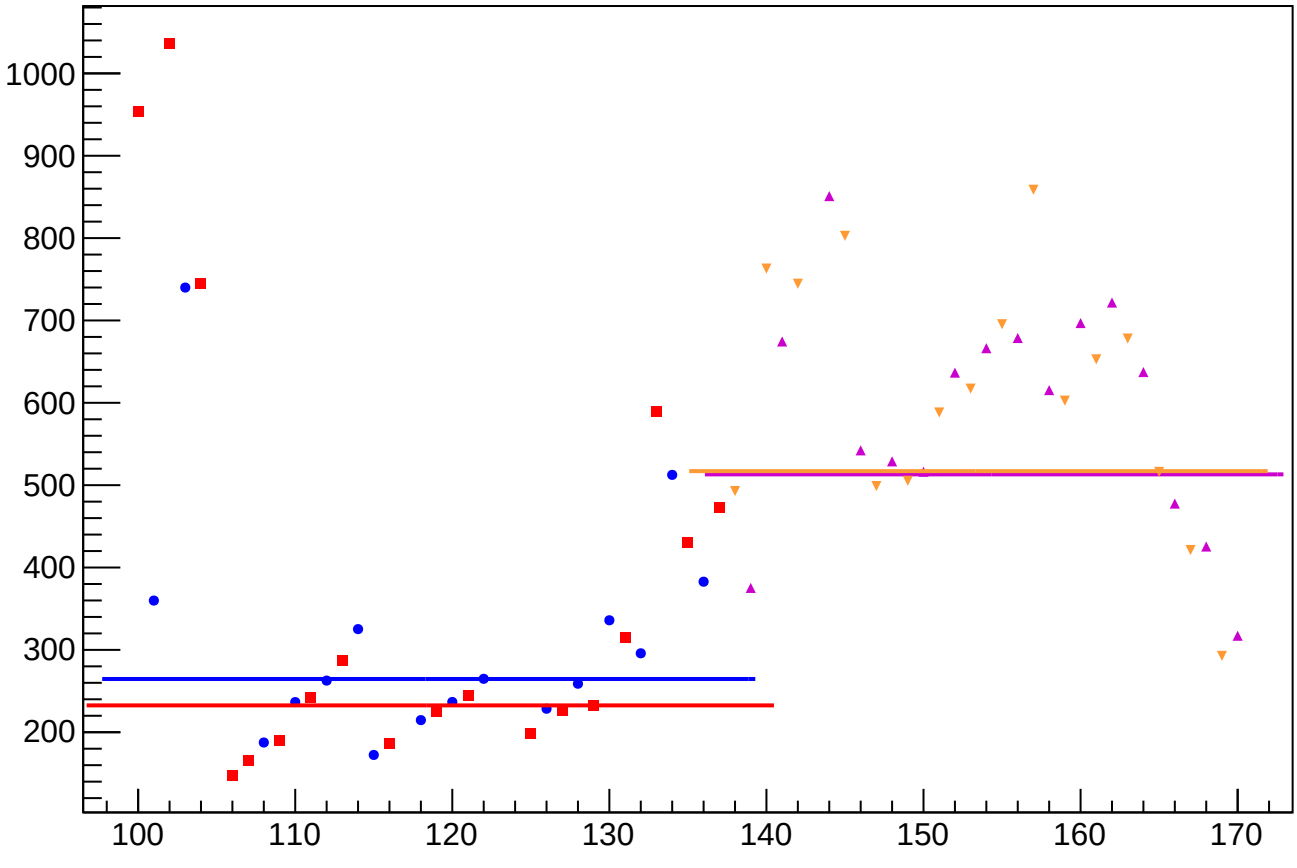
Left: 0.052+/-0.107 χ^2/NDF: 43.8/31

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.071+/-0.082 χ^2/NDF:42.5/33

All: 0.012+/-0.059 χ^2/NDF: 76.1/65



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 517.039+/-0.109 χ^2/NDF:2106547.2/15

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 513.111+/-0.105 χ^2/NDF:1862280.7/15

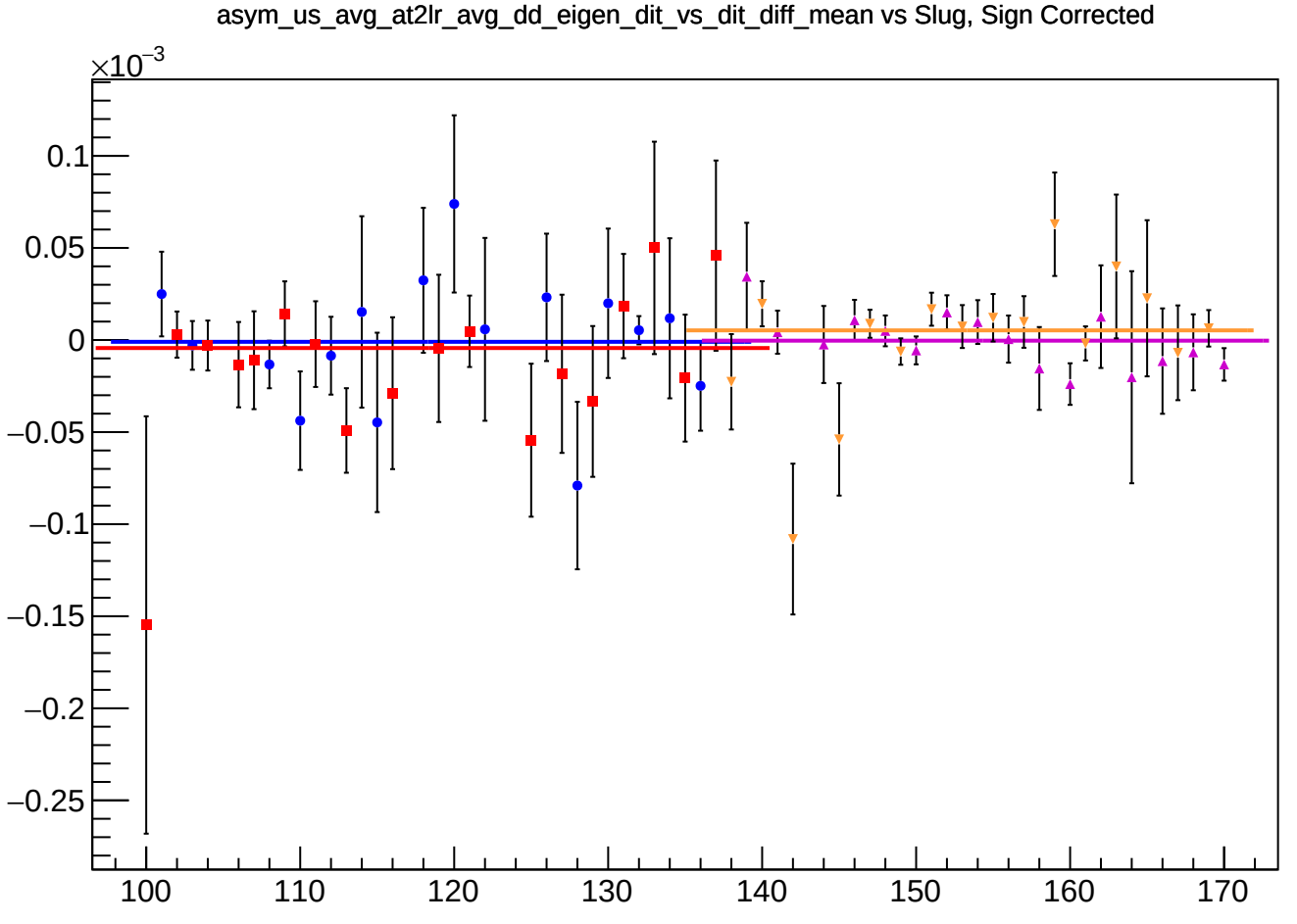
Left: 515.010+/-0.076 χ^2/NDF: 3969503.9/31

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 347.502+/-0.061 χ^2/NDF:6874050.8/31

Out: 314.111+/-0.058 χ^2/NDF:9033702.9/33

All: 330.096+/-0.042 χ^2/NDF: 16065691.1/65



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/15

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/15

Left: 0.000+/-0.000 χ^2/NDF: 40.9/31

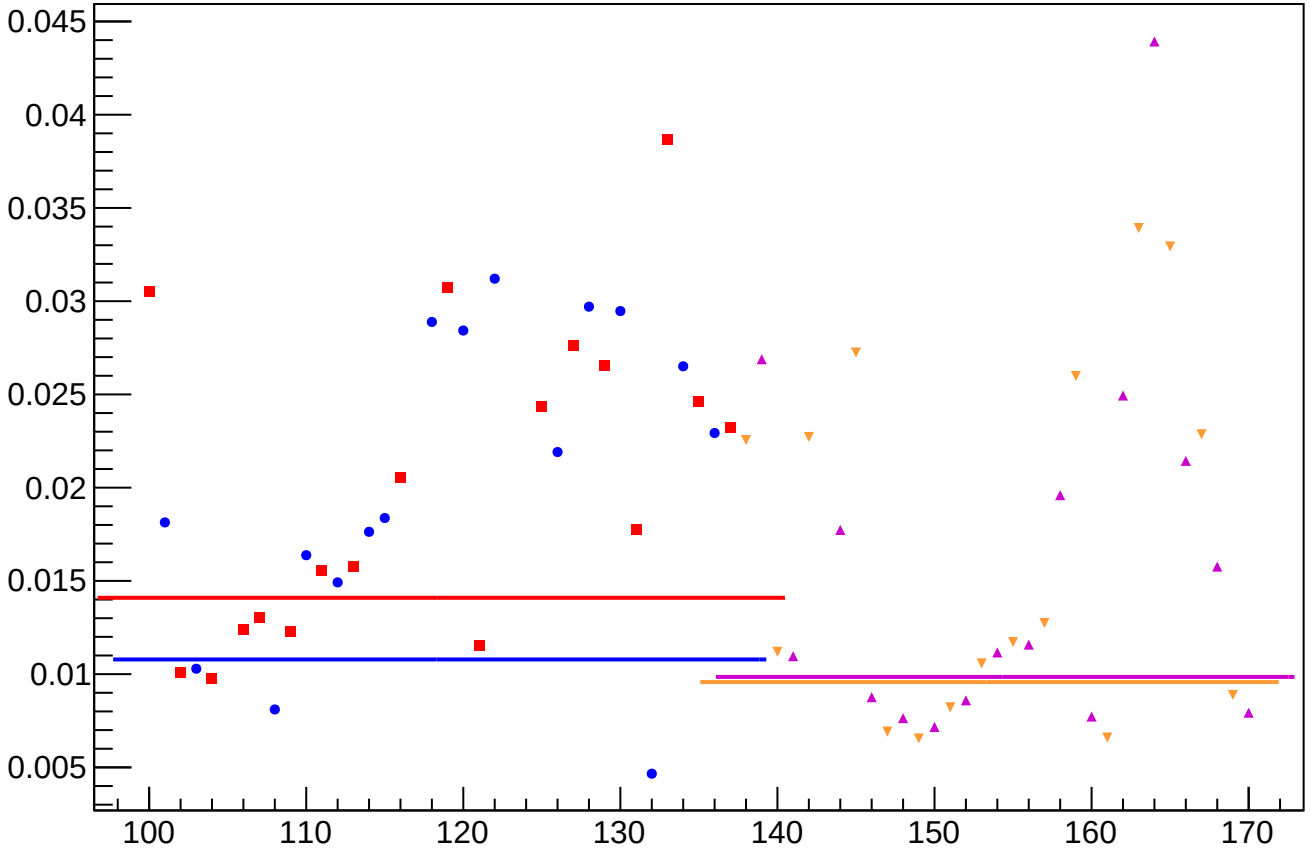
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:28.8/31

Out: 0.000+/-0.000 χ^2/NDF:39.6/33

All: 0.000+/-0.000 χ^2/NDF: 69.3/65

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:5048613.7/15

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3807133.5/15

Left: 0.010+/-0.000 χ^2/NDF: 8863593.5/31

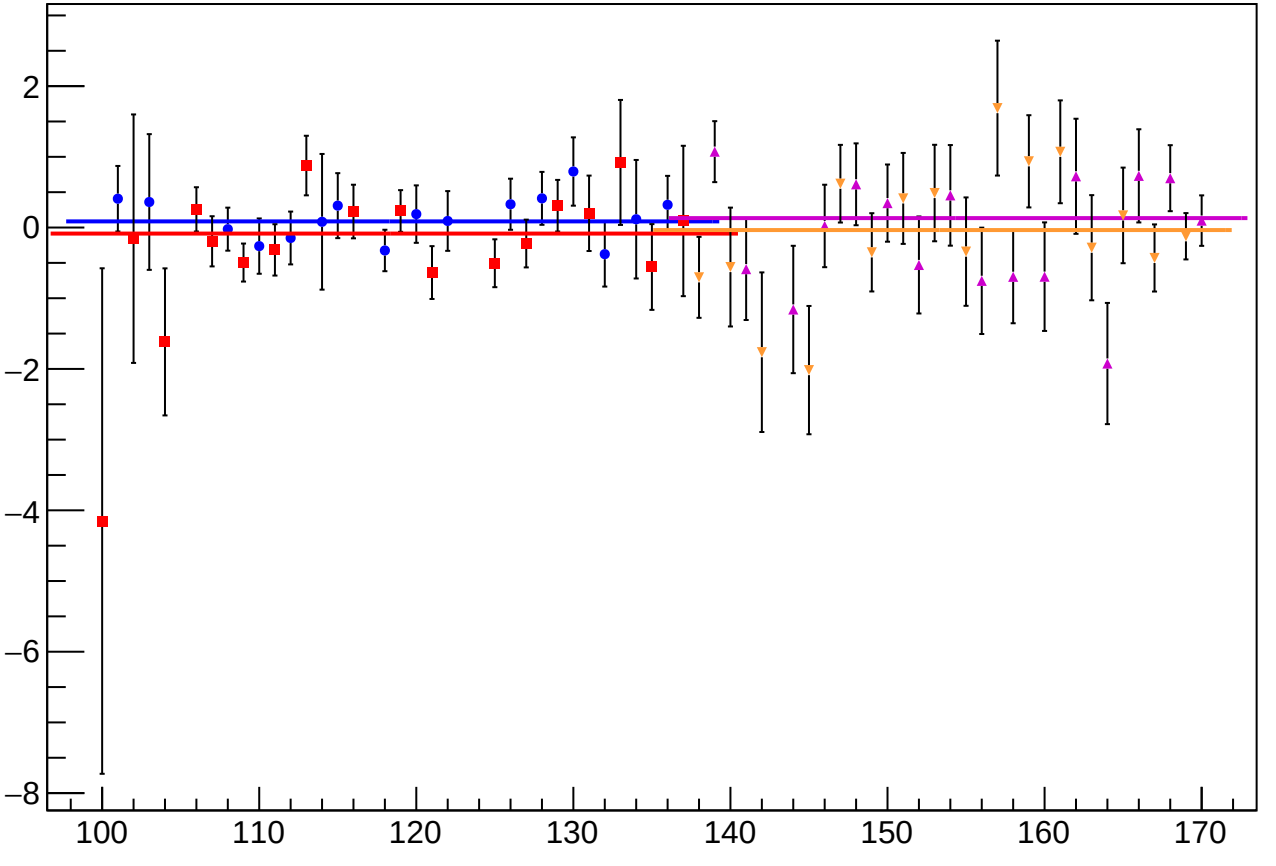
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8438252.5/31

Out: 0.011+/-0.000 χ^2/NDF:8094513.3/33

All: 0.010+/-0.000 χ^2/NDF: 16565936.5/65

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: -0.036+/-0.154 χ^2/NDF:20.6/15

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.133+/-0.149 χ^2/NDF:22.6/15

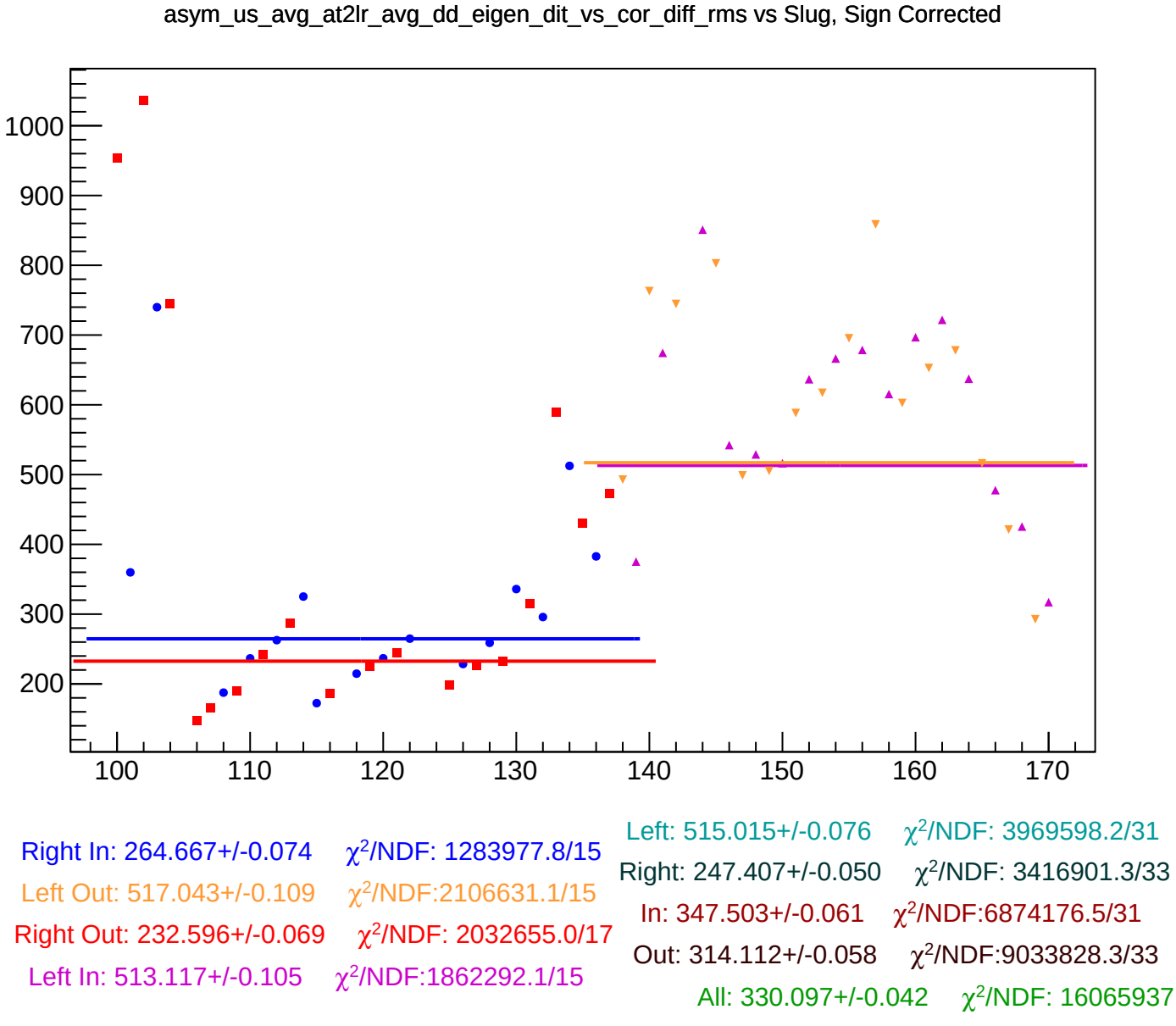
Left: 0.052+/-0.107 χ^2/NDF: 43.8/31

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.071+/-0.082 χ^2/NDF:42.5/33

All: 0.012+/-0.059 χ^2/NDF: 76.1/65


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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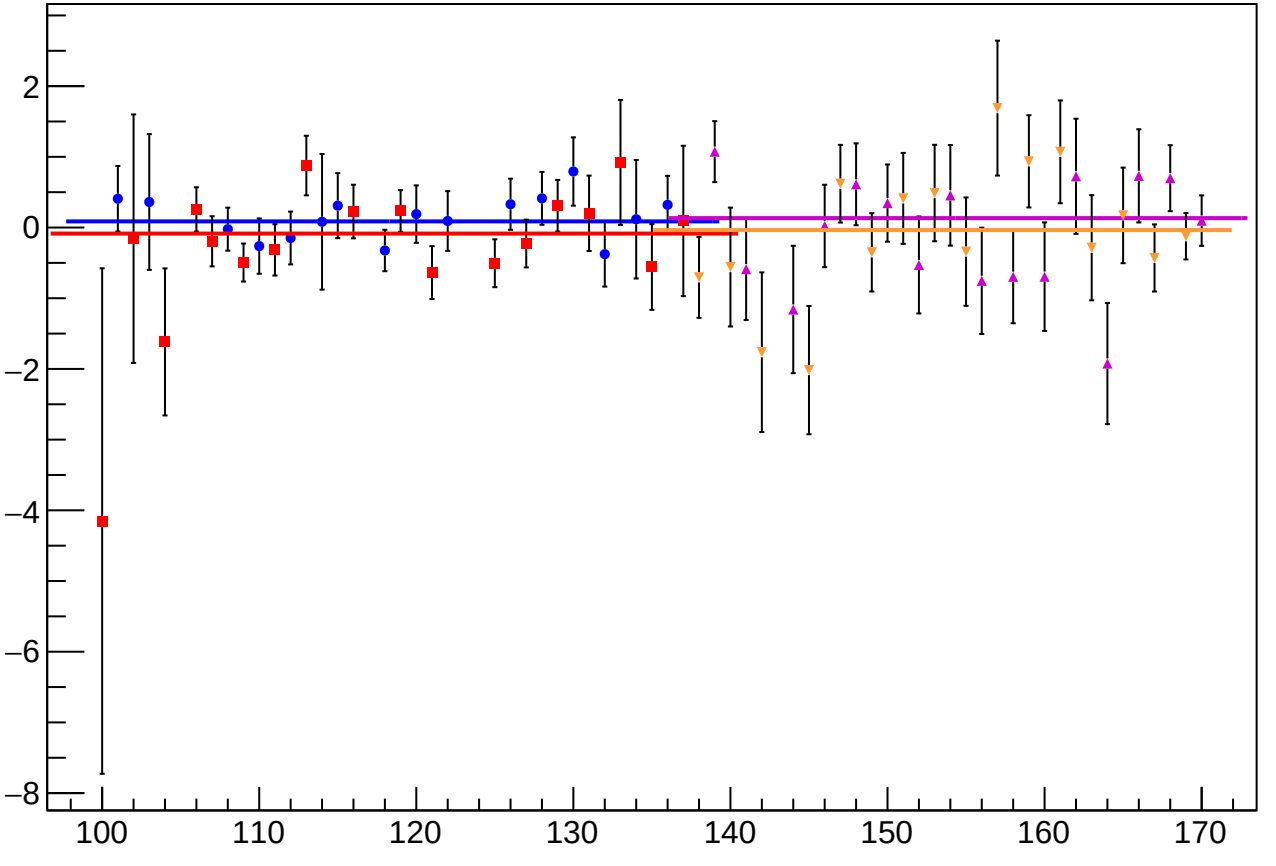
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 517.043+/-0.109 χ²/NDF:2106631.1/15
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 513.117+/-0.105 χ²/NDF:1862292.1/15
Left: 515.015+/-0.076 χ²/NDF: 3969598.2/31
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 347.503+/-0.061 χ²/NDF:6874176.5/31
Out: 314.112+/-0.058 χ²/NDF:9033828.3/33
All: 330.097+/-0.042 χ²/NDF: 16065937.7/65

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.036+/-0.154 χ^2/NDF:20.6/15

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.133+/-0.149 χ^2/NDF:22.6/15

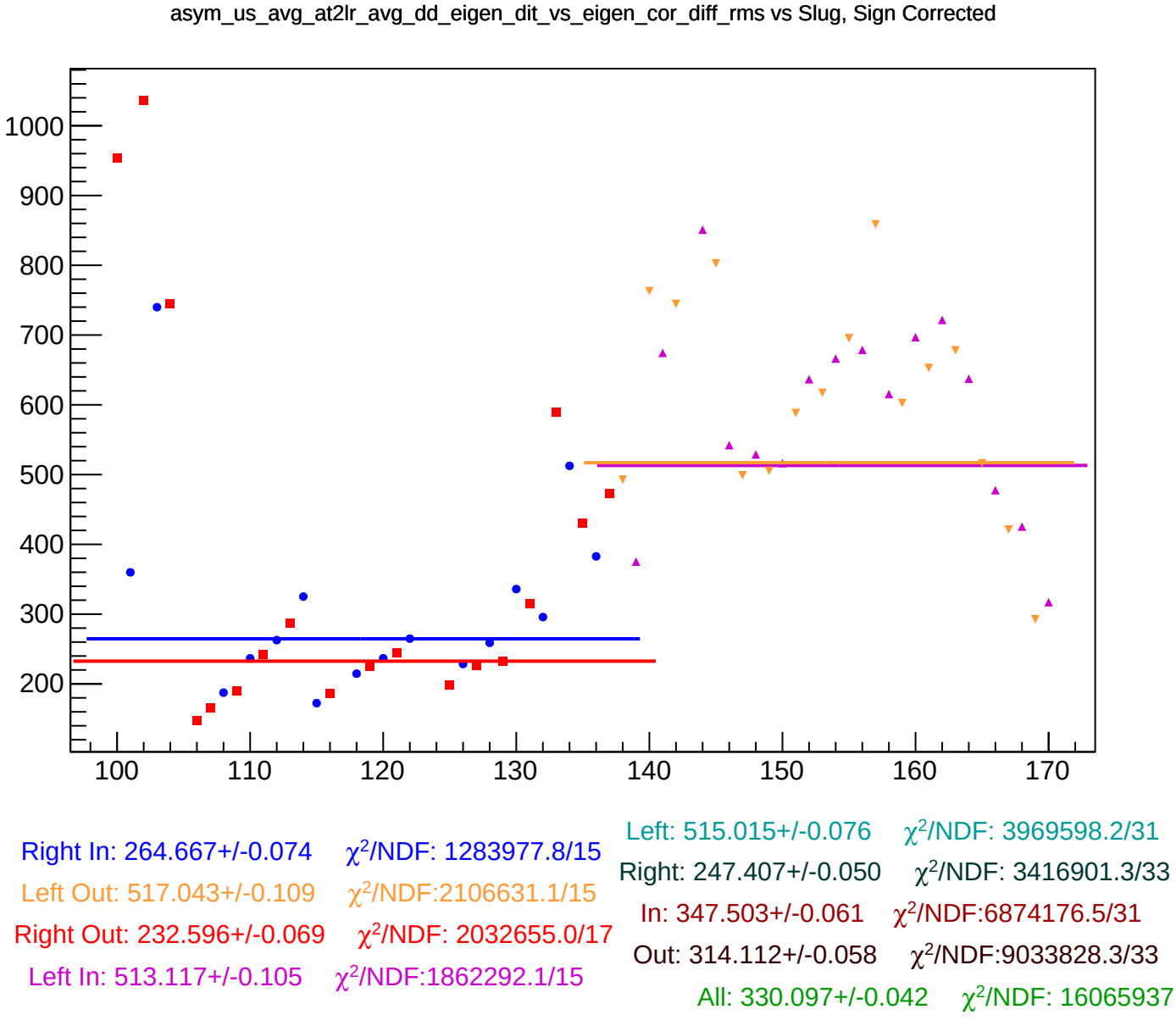
Left: 0.052+/-0.107 χ^2/NDF: 43.8/31

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

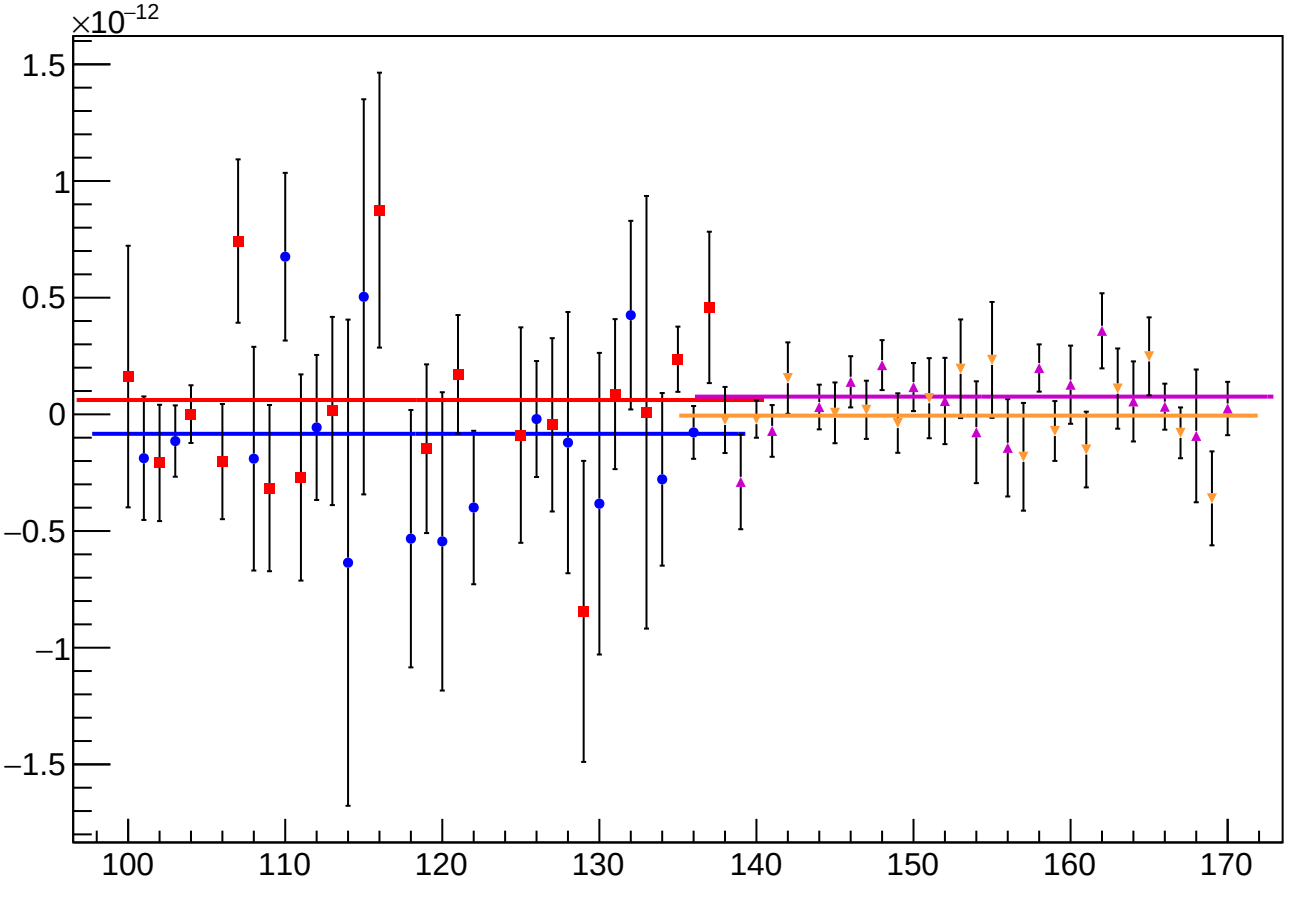
In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.071+/-0.082 χ^2/NDF:42.5/33

All: 0.012+/-0.059 χ^2/NDF: 76.1/65


asym_us_avg_at2lr_avg_dd_eigen_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: 1283977.8/15
Left Out: 517.043+/-0.109 χ²/NDF:2106631.1/15
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 513.117+/-0.105 χ²/NDF:1862292.1/15
Left: 515.015+/-0.076 χ²/NDF: 3969598.2/31
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 347.503+/-0.061 χ²/NDF:6874176.5/31
Out: 314.112+/-0.058 χ²/NDF:9033828.3/33
All: 330.097+/-0.042 χ²/NDF: 16065937.7/65

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/15

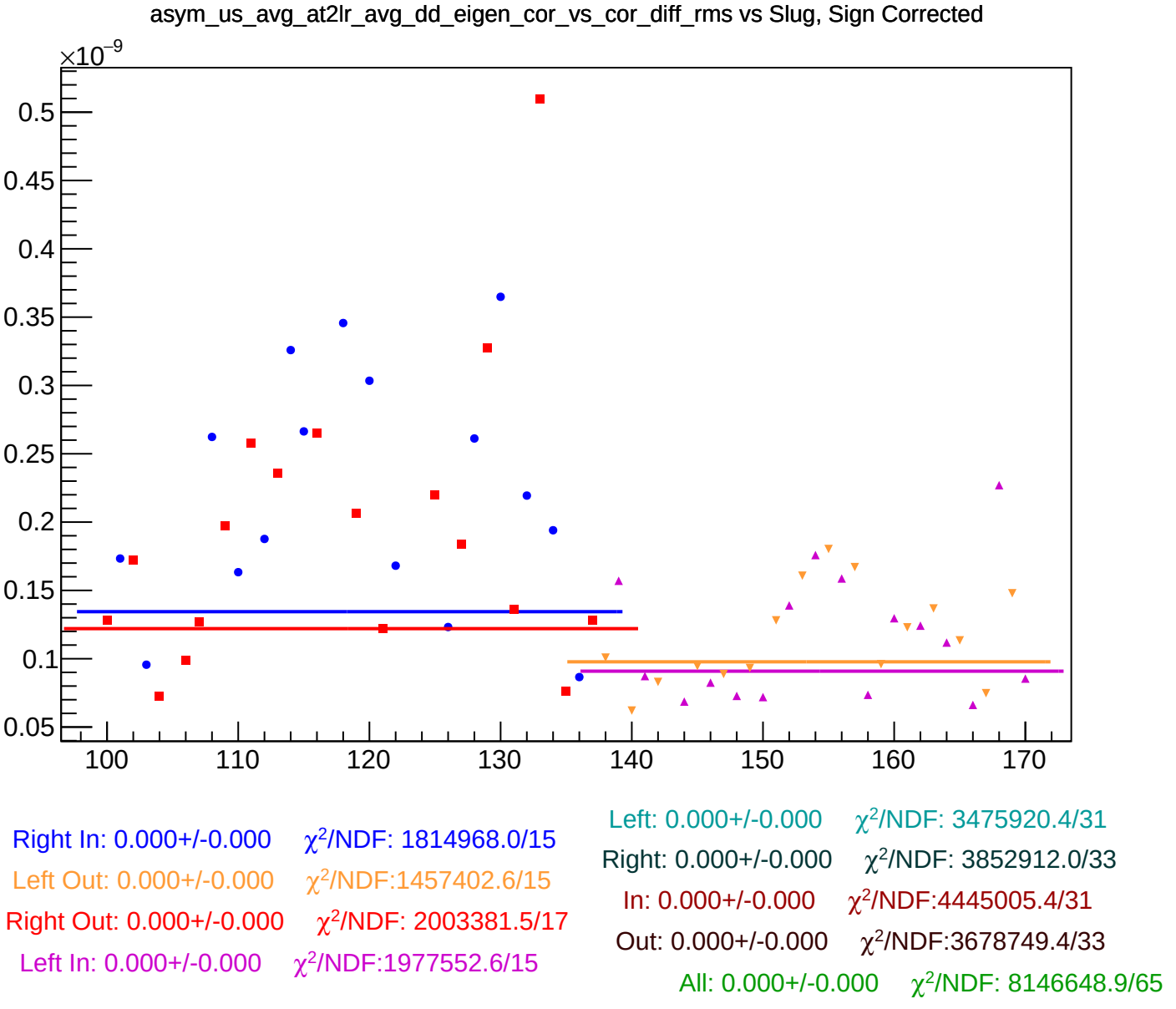
Left: 0.000+/-0.000 χ^2/NDF: 28.4/31

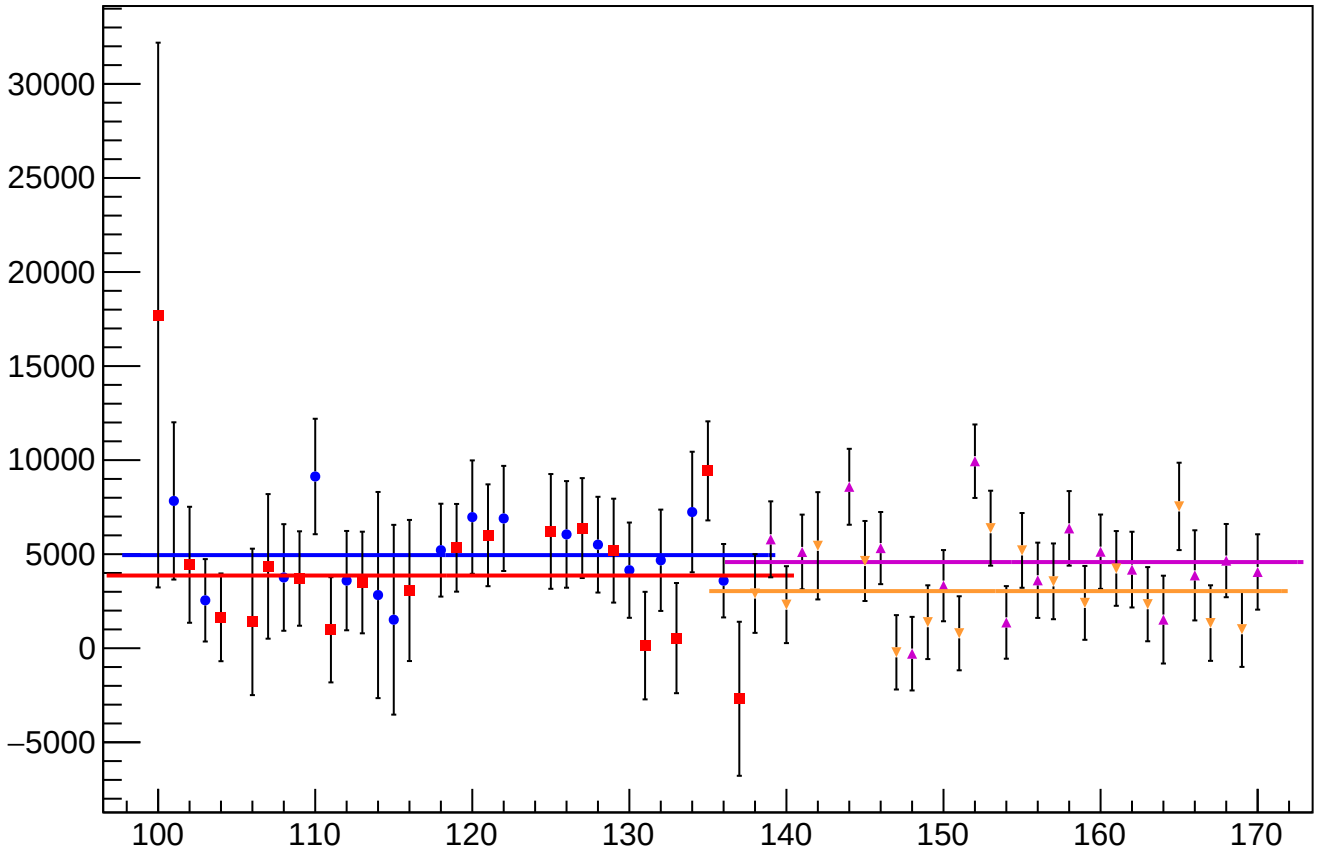
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:27.8/33

All: 0.000+/-0.000 χ^2/NDF: 57.0/65


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:1457402.6/15
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1977552.6/15
Left: 0.000+/-0.000 χ²/NDF: 3475920.4/31
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4445005.4/31
Out: 0.000+/-0.000 χ²/NDF:3678749.4/33
All: 0.000+/-0.000 χ²/NDF: 8146648.9/65



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.710+/-513.686 χ^2/NDF:16.3/15

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4580.483+/-502.187 χ^2/NDF:24.5/15

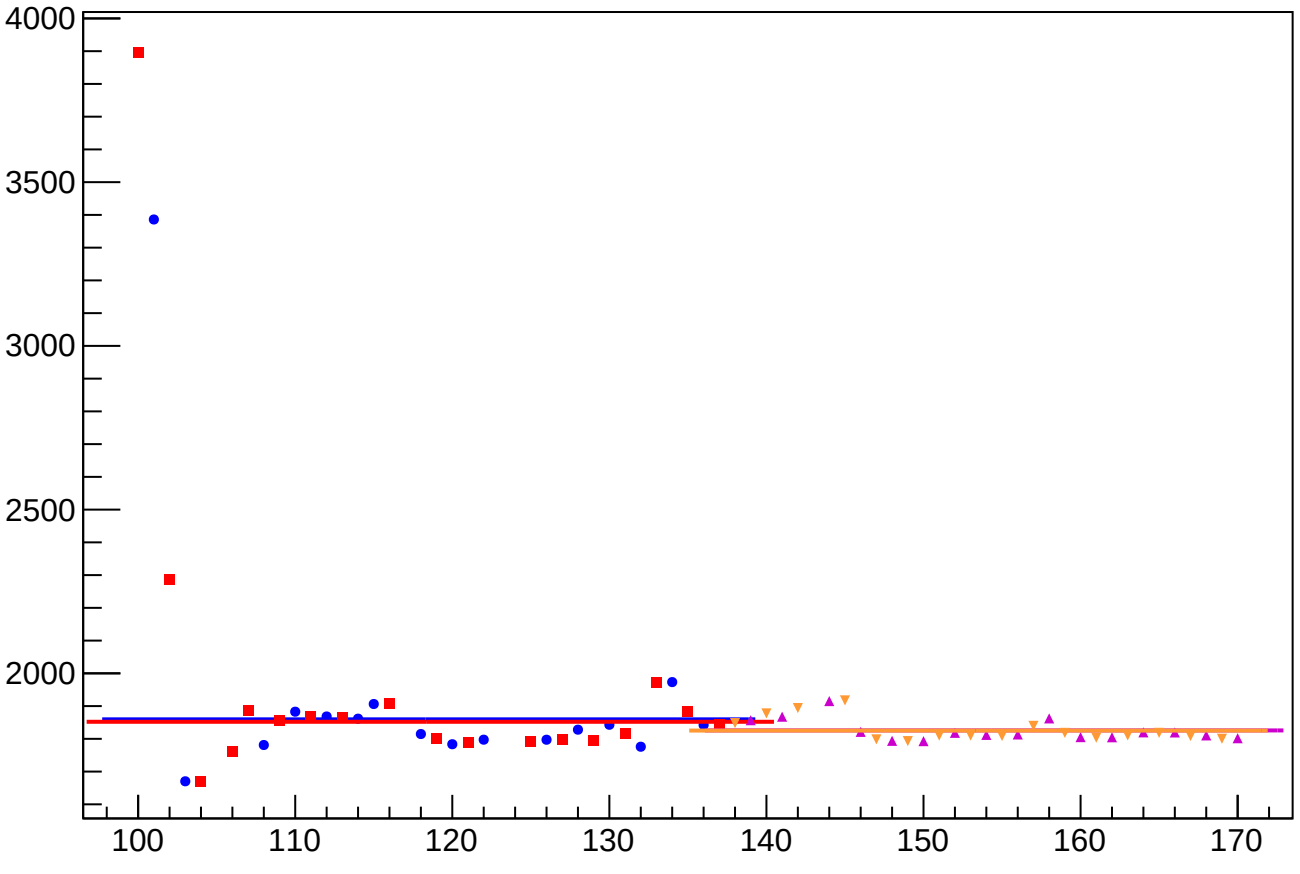
Left: 3826.070+/-359.096 χ^2/NDF: 45.4/31

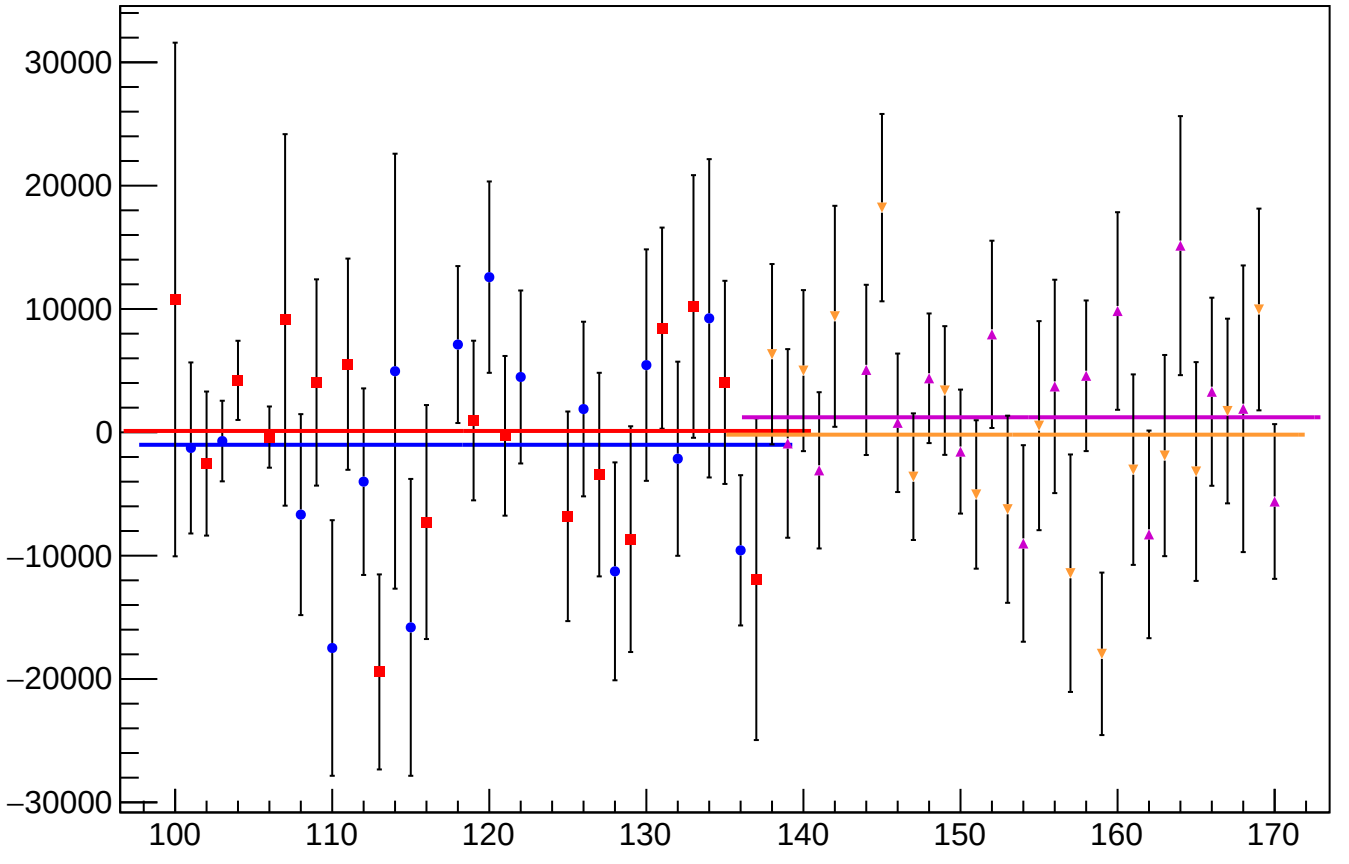
Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4706.404+/-407.832 χ^2/NDF:31.5/31

Out: 3328.965+/-413.261 χ^2/NDF:33.4/33

All: 4026.792+/-290.281 χ^2/NDF: 70.5/65


reg_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292334.6/15
Left Out: 1825.233+/-0.363 χ²/NDF:8709.4/15
Right Out: 1852.065+/-0.490 χ²/NDF: 102212.5/17
Left In: 1825.677+/-0.355 χ²/NDF:8196.0/15
Left: 1825.460+/-0.254 χ²/NDF: 16906.1/31
Right: 1855.759+/-0.348 χ²/NDF: 394661.4/33
In: 1837.196+/-0.288 χ²/NDF:303621.2/31
Out: 1834.736+/-0.292 χ²/NDF:112854.5/33
All: 1835.981+/-0.205 χ²/NDF: 416511.6/65



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -189.130+/-1776.984 χ^2/NDF:21.2/15

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1221.458+/-1733.957 χ^2/NDF:9.8/15

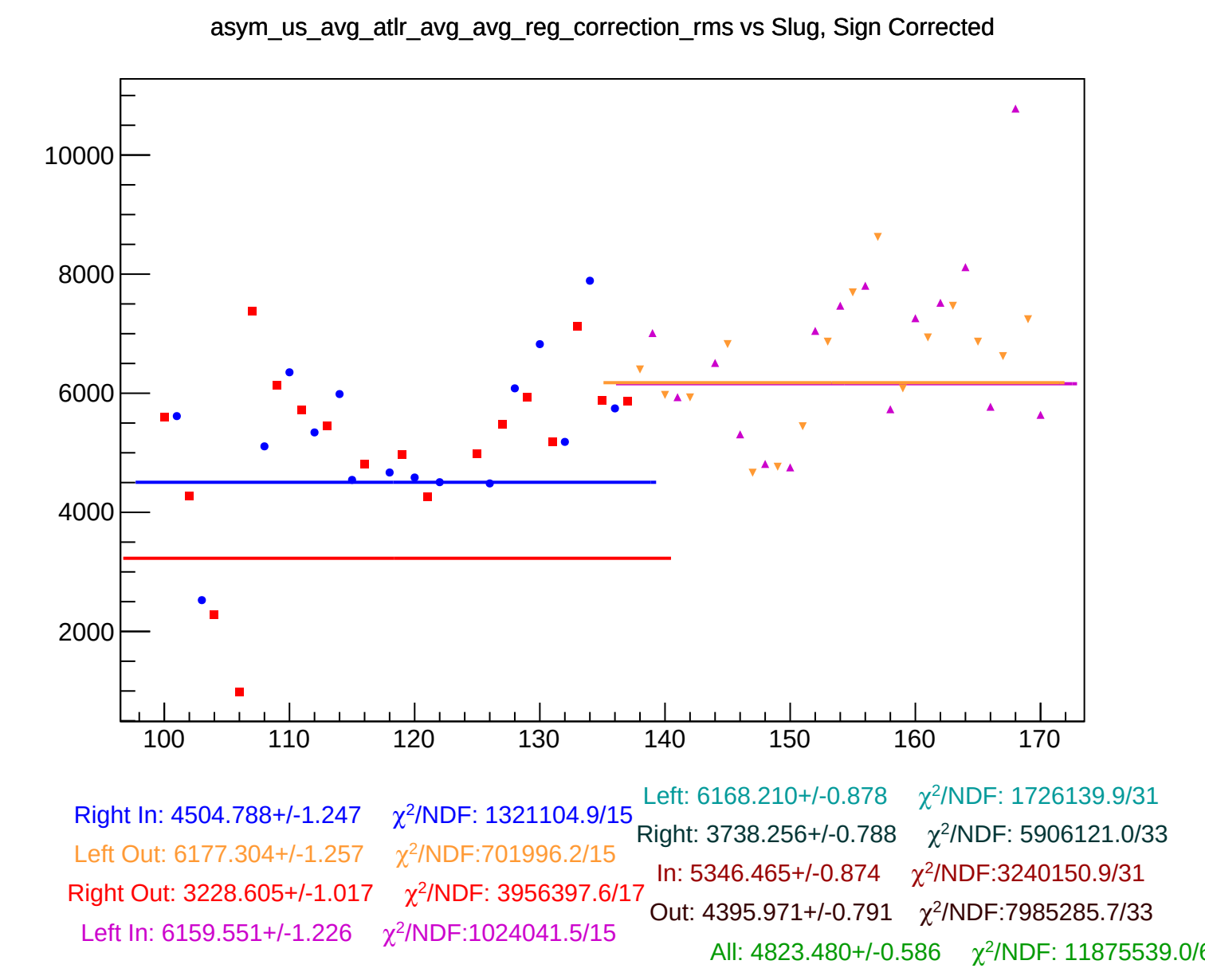
Left: 533.448+/-1241.026 χ^2/NDF: 31.3/31

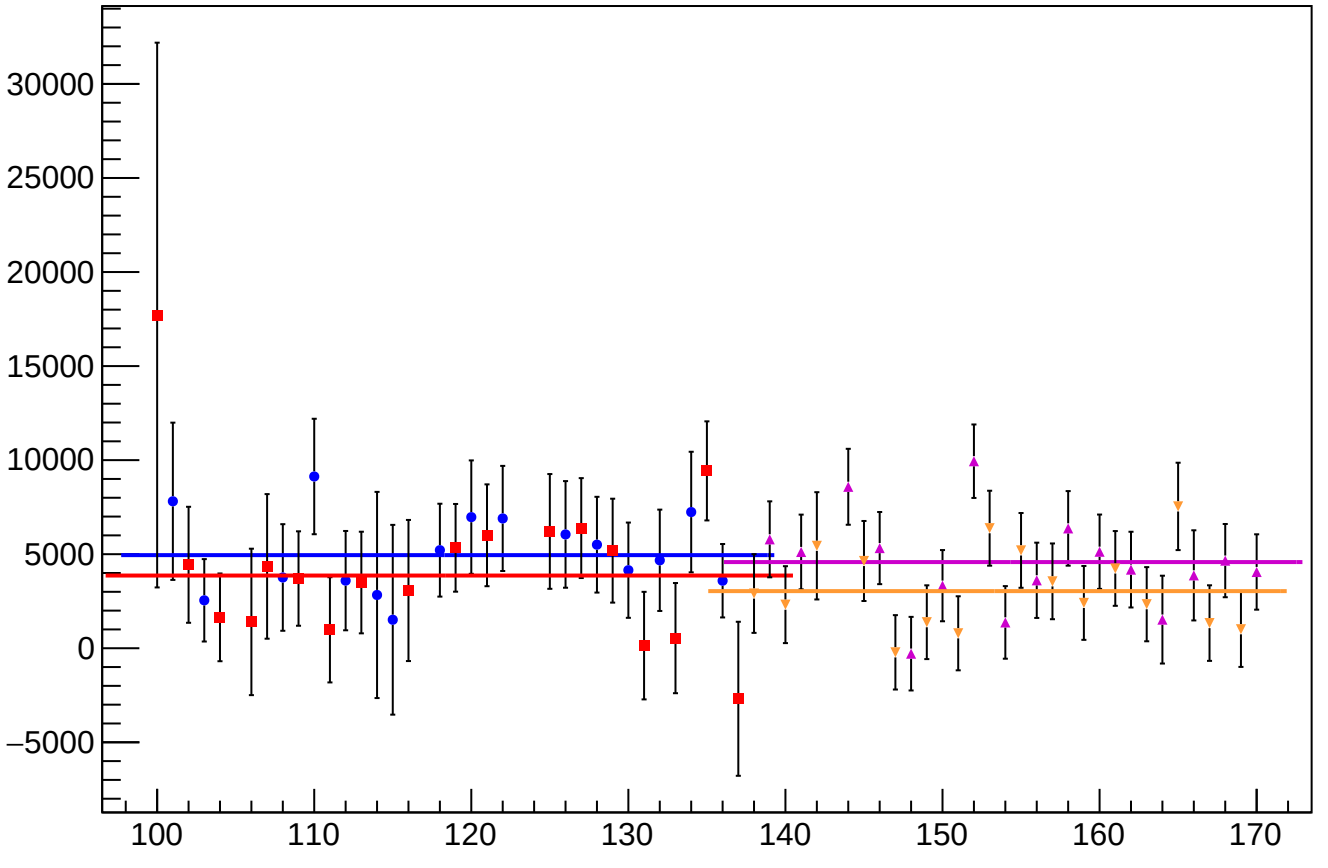
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 124.865+/-1236.640 χ^2/NDF:25.3/31

Out: -7.661+/-1118.077 χ^2/NDF:35.8/33

All: 51.946+/-829.357 χ^2/NDF: 61.2/65


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: 6177.304+/-1.257 χ²/NDF:701996.2/15
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6159.551+/-1.226 χ²/NDF:1024041.5/15
Left: 6168.210+/-0.878 χ²/NDF: 1726139.9/31
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5346.465+/-0.874 χ²/NDF:3240150.9/31
Out: 4395.971+/-0.791 χ²/NDF:7985285.7/33
All: 4823.480+/-0.586 χ²/NDF: 11875539.0/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.578+/-513.686 χ^2/NDF:16.3/15

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4580.559+/-502.187 χ^2/NDF:24.5/15

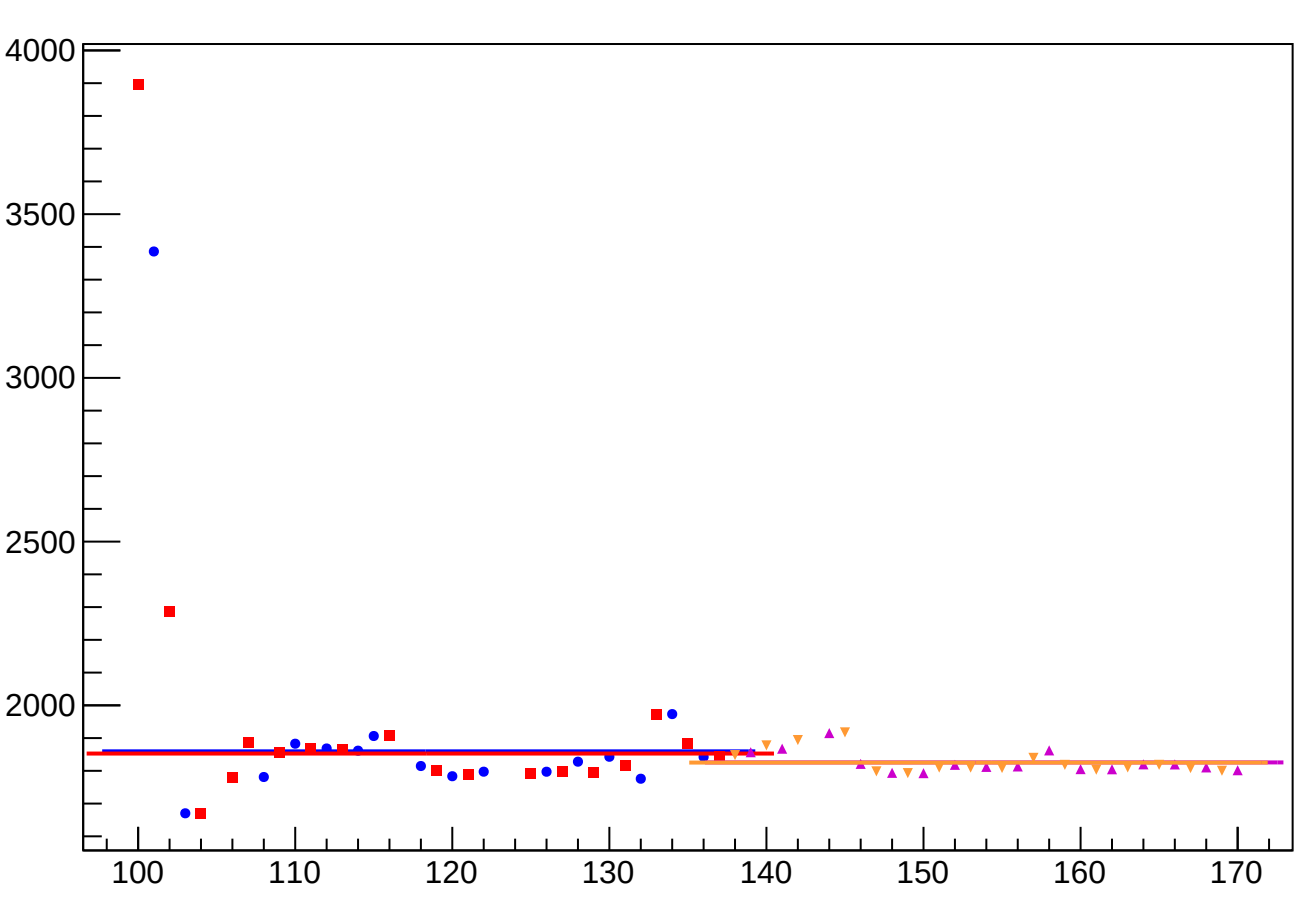
Left: 3826.044+/-359.096 χ^2/NDF: 45.4/31

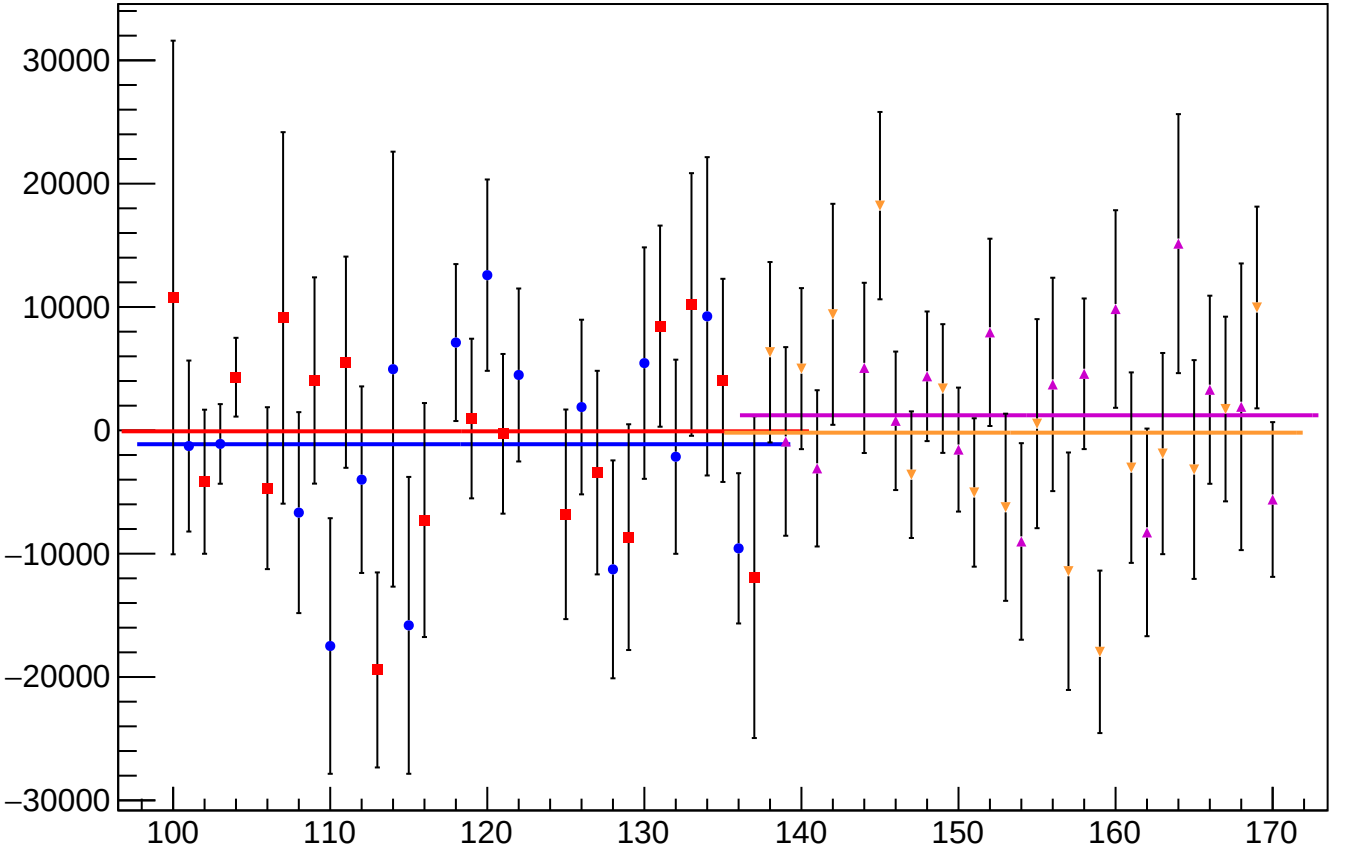
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4706.290+/-407.832 χ^2/NDF:31.5/31

Out: 3328.804+/-413.261 χ^2/NDF:33.4/33

All: 4026.655+/-290.281 χ^2/NDF: 70.5/65


cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1825.233+/-0.363 χ²/NDF:8709.4/15
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1825.677+/-0.355 χ²/NDF:8196.0/15
Left: 1825.460+/-0.254 χ²/NDF: 16906.1/31
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1837.196+/-0.288 χ²/NDF:303623.1/31
Out: 1834.982+/-0.292 χ²/NDF:112494.6/33
All: 1836.103+/-0.205 χ²/NDF: 416146.8/65



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -189.201+/-1776.982 χ^2/NDF:21.2/15

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1221.579+/-1733.957 χ^2/NDF:9.8/15

Left: 533.475+/-1241.025 χ^2/NDF: 31.3/31

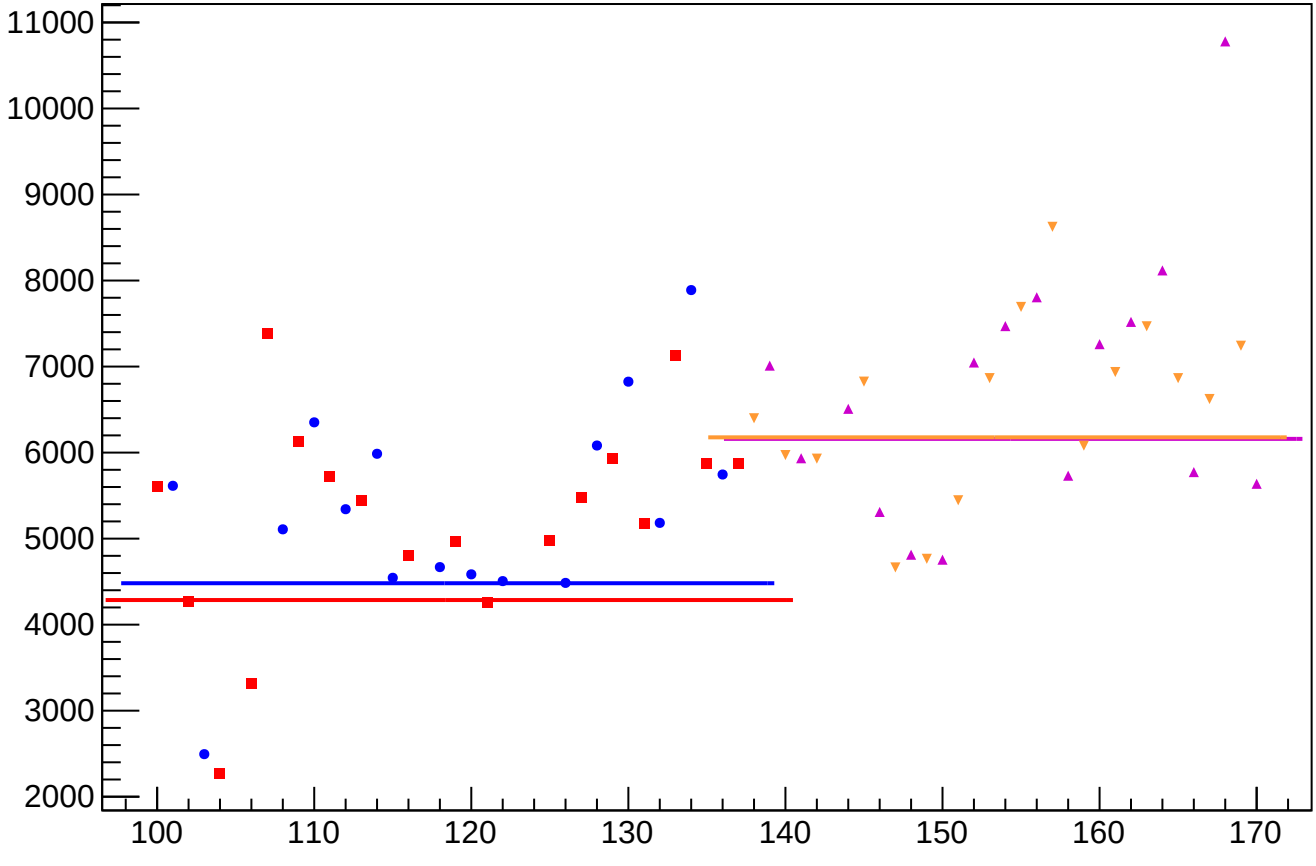
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 64.083+/-1234.462 χ^2/NDF:25.4/31

Out: -131.360+/-1229.316 χ^2/NDF:36.7/33

All: -34.047+/-871.072 χ^2/NDF: 62.2/65

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: 6177.297+/-1.257 χ^2/NDF:702001.4/15

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

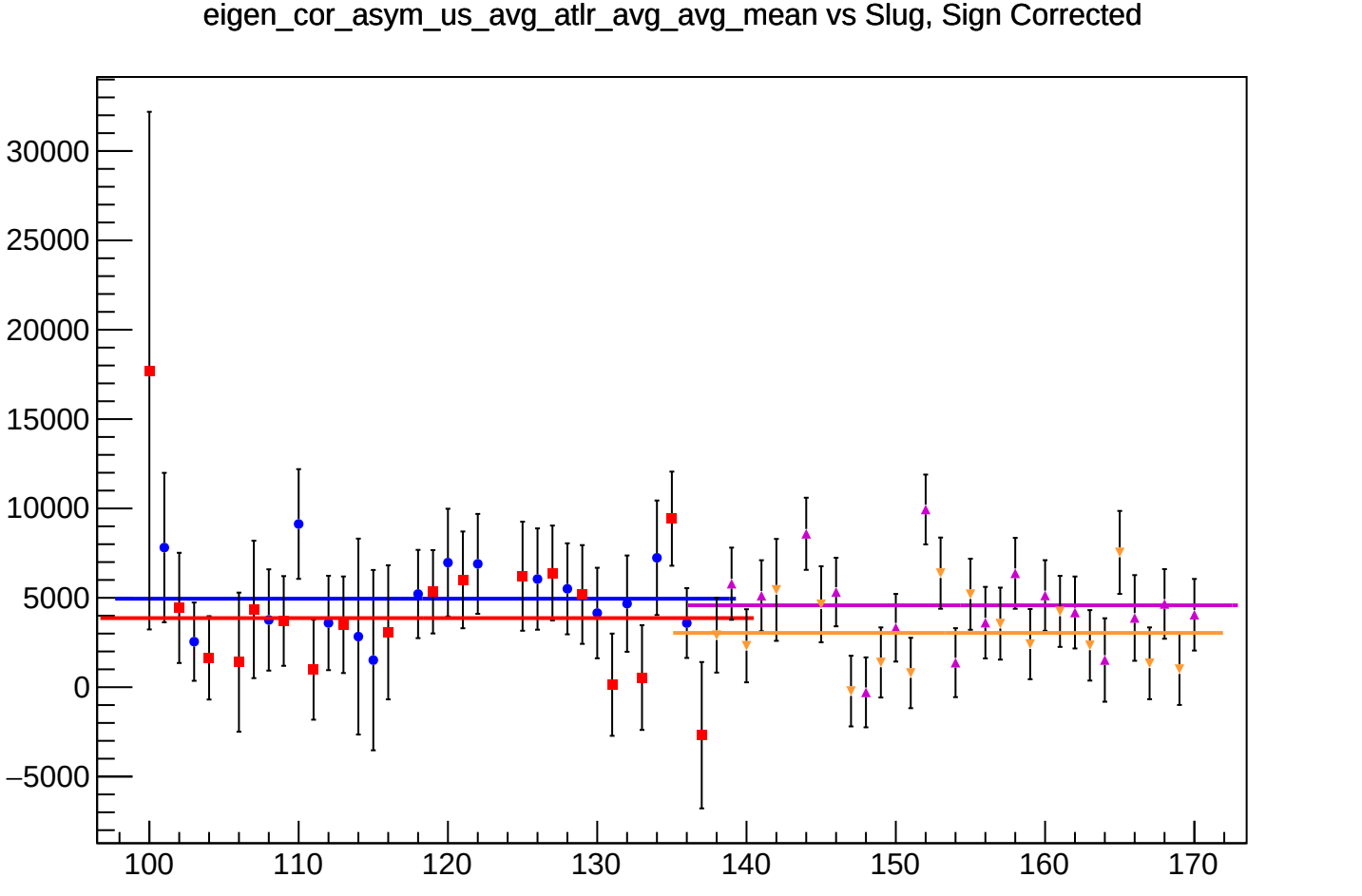
Left: 6168.205+/-0.878 χ^2/NDF: 1726153.8/31

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5332.027+/-0.873 χ^2/NDF:3310008.0/31

Out: 5191.216+/-0.869 χ^2/NDF:3433010.5/33

All: 5261.327+/-0.616 χ^2/NDF: 6756084.1/65



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.578+/-513.686 χ^2/NDF:16.3/15

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4580.559+/-502.187 χ^2/NDF:24.5/15

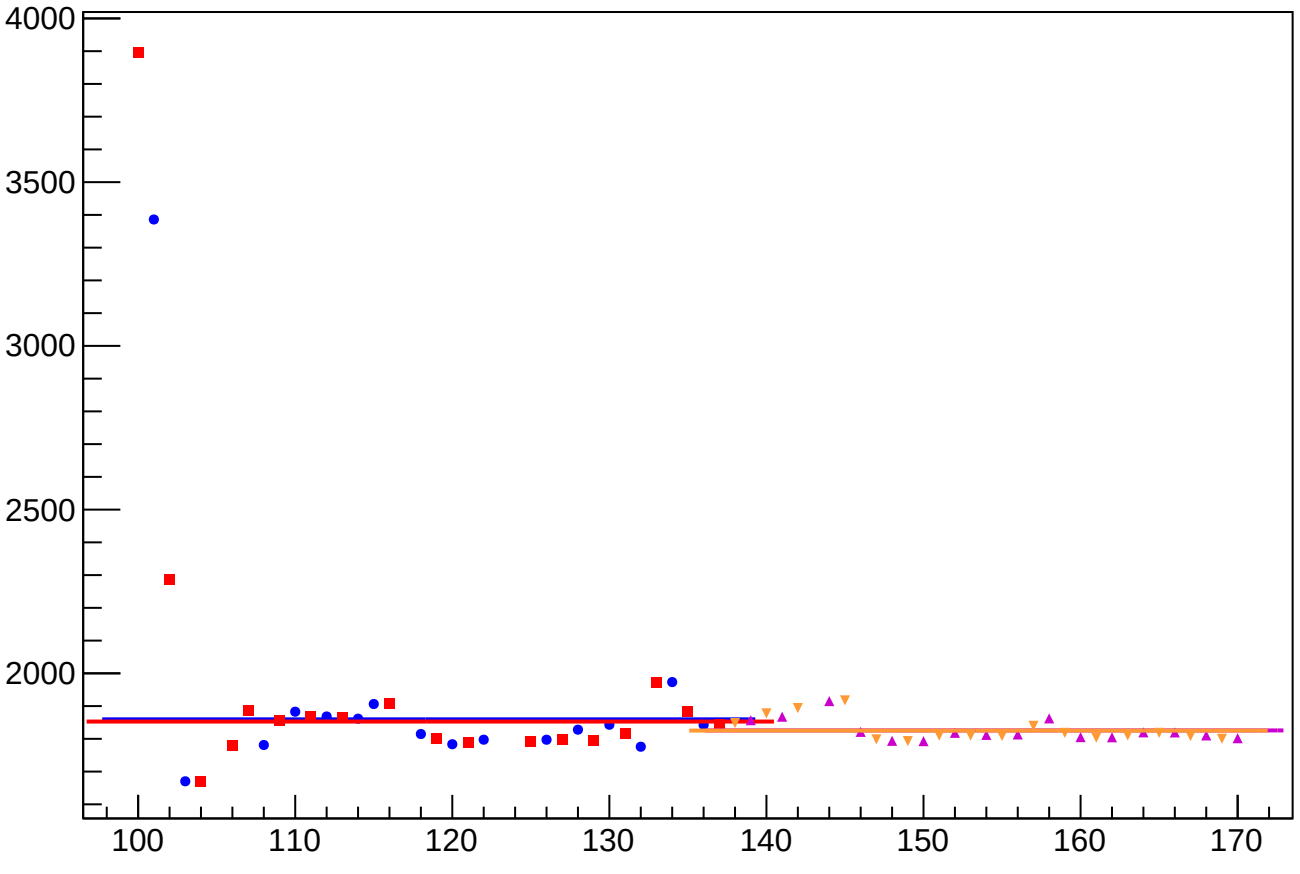
Left: 3826.044+/-359.096 χ^2/NDF: 45.4/31

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

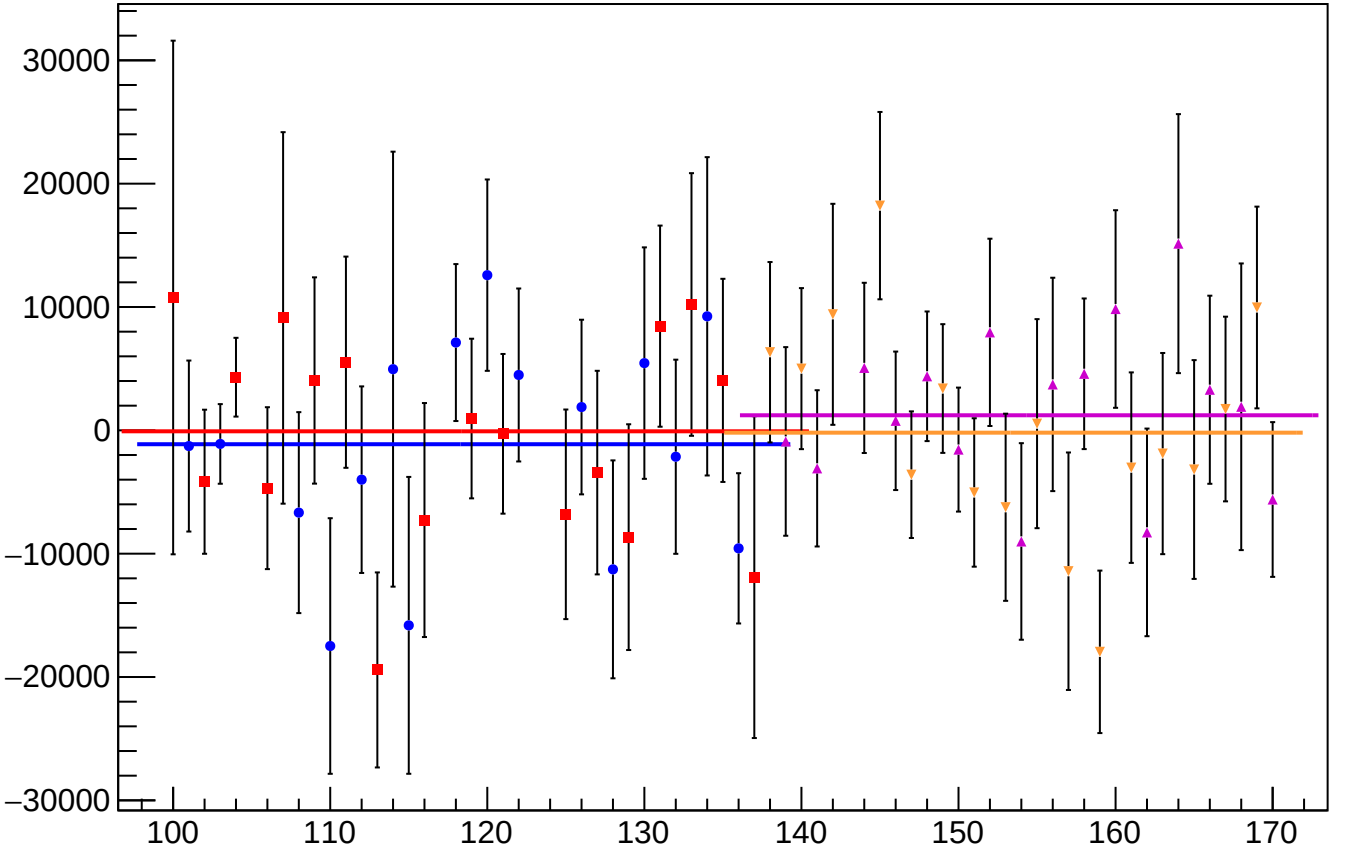
In: 4706.290+/-407.832 χ^2/NDF:31.5/31

Out: 3328.804+/-413.261 χ^2/NDF:33.4/33

All: 4026.655+/-290.281 χ^2/NDF: 70.5/65


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1825.233+/-0.363 χ²/NDF:8709.4/15
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1825.677+/-0.355 χ²/NDF:8196.0/15
Left: 1825.460+/-0.254 χ²/NDF: 16906.1/31
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1837.196+/-0.288 χ²/NDF:303623.1/31
Out: 1834.982+/-0.292 χ²/NDF:112494.6/33
All: 1836.103+/-0.205 χ²/NDF: 416146.8/65

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -189.201+/-1776.982 χ^2/NDF:21.2/15

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1221.579+/-1733.957 χ^2/NDF:9.8/15

Left: 533.475+/-1241.025 χ^2/NDF: 31.3/31

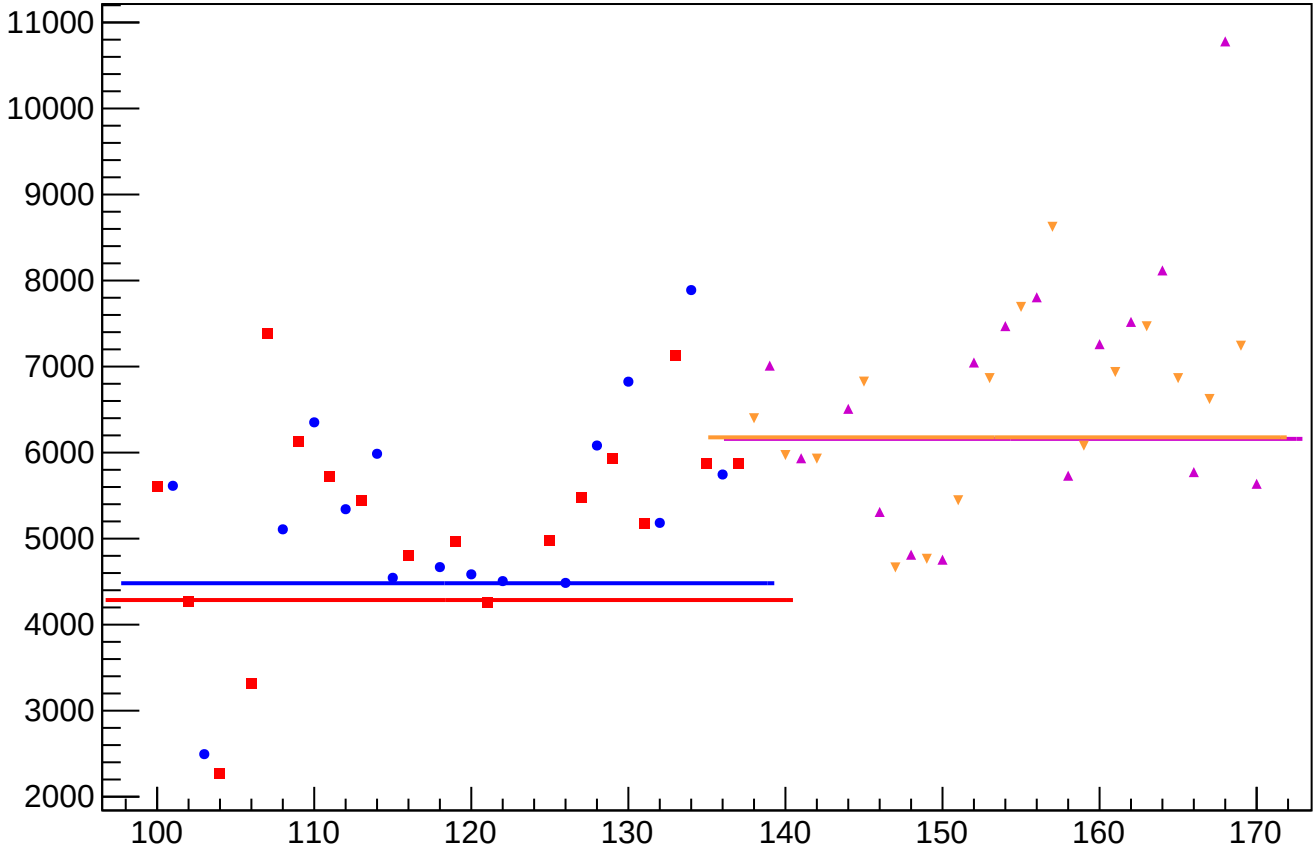
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 64.083+/-1234.462 χ^2/NDF:25.4/31

Out: -131.360+/-1229.316 χ^2/NDF:36.7/33

All: -34.047+/-871.072 χ^2/NDF: 62.2/65

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: 6177.297+/-1.257 χ^2/NDF:702001.4/15

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

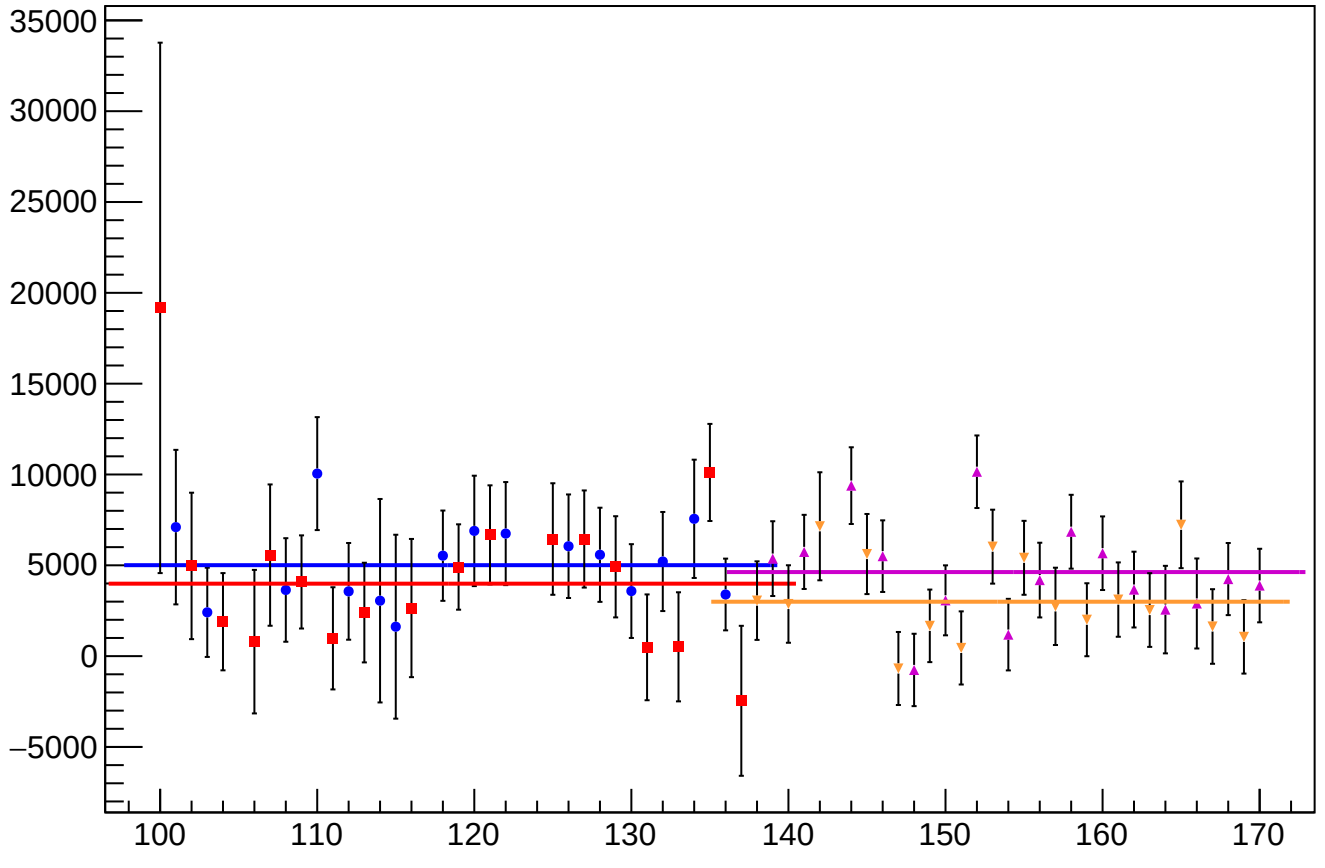
Left: 6168.205+/-0.878 χ^2/NDF: 1726153.8/31

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5332.027+/-0.873 χ^2/NDF:3310008.0/31

Out: 5191.216+/-0.869 χ^2/NDF:3433010.5/33

All: 5261.327+/-0.616 χ^2/NDF: 6756084.1/65



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2995.659+/-527.955 χ^2/NDF:17.2/15

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4627.979+/-514.863 χ^2/NDF:27.5/15

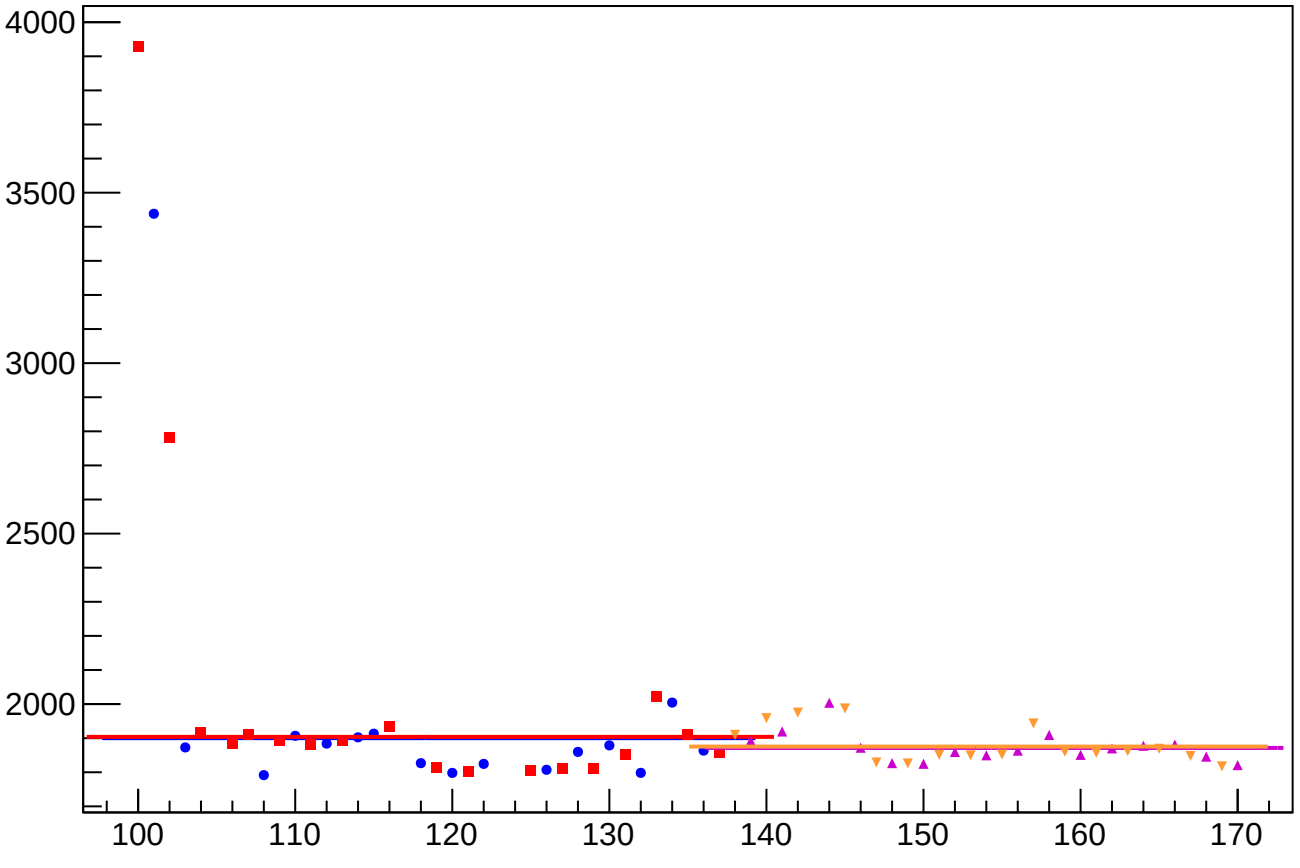
Left: 3832.308+/-368.605 χ^2/NDF: 49.6/31

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4757.734+/-417.624 χ^2/NDF:35.3/31

Out: 3343.683+/-425.556 χ^2/NDF:35.8/33

All: 4064.010+/-298.070 χ^2/NDF: 76.8/65



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1875.336+/-0.373 χ^2/NDF:18531.1/15

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1871.381+/-0.364 χ^2/NDF:14206.3/15

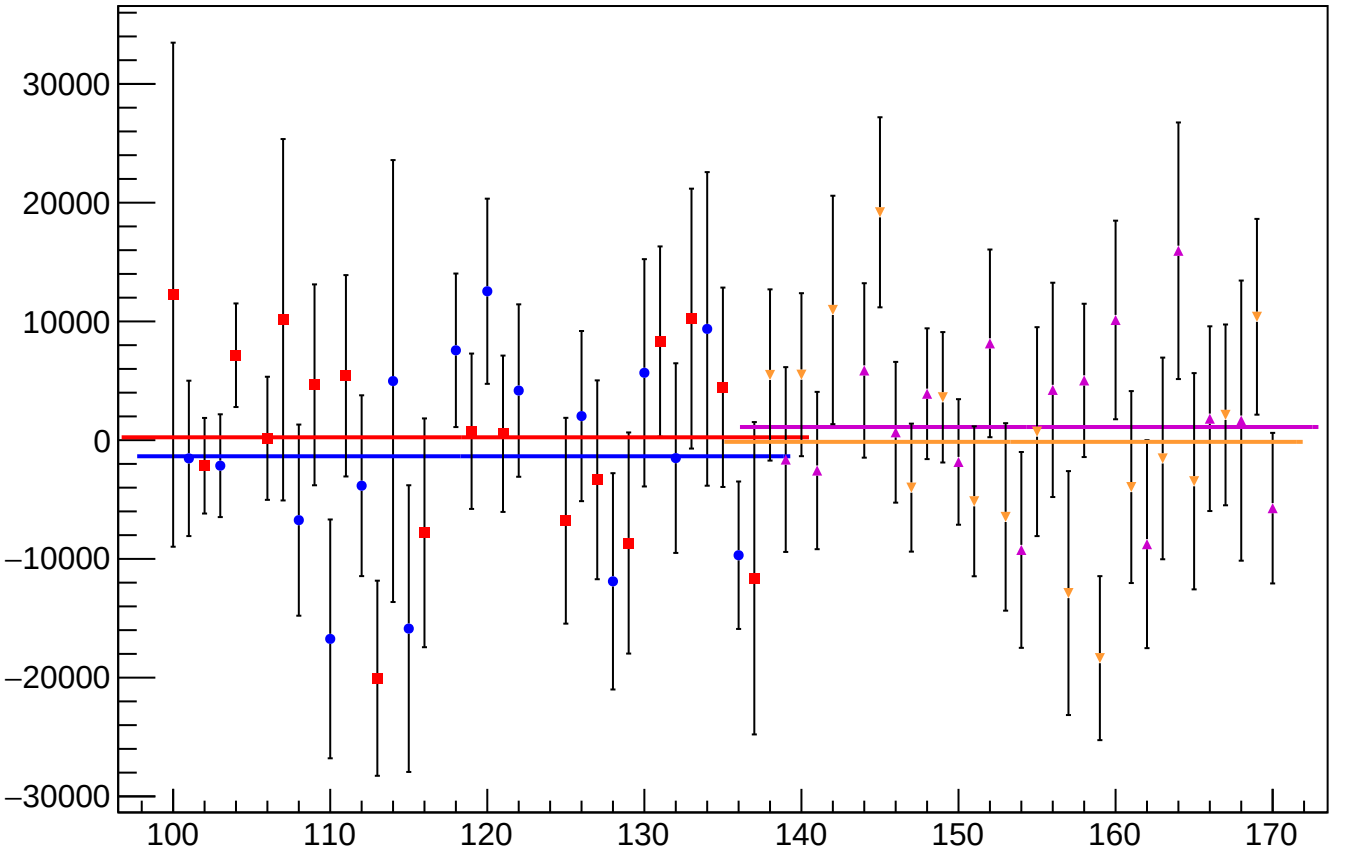
Left: 1873.309+/-0.261 χ^2/NDF: 32795.0/31

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1881.208+/-0.295 χ^2/NDF:294784.9/31

Out: 1885.330+/-0.301 χ^2/NDF:170689.9/33

All: 1883.231+/-0.211 χ^2/NDF: 465570.4/65



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -142.870+/-1850.084 χ^2/NDF:21.3/15

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1108.192+/-1806.235 χ^2/NDF:9.8/15

Left: 497.662+/-1292.425 χ^2/NDF: 31.3/31

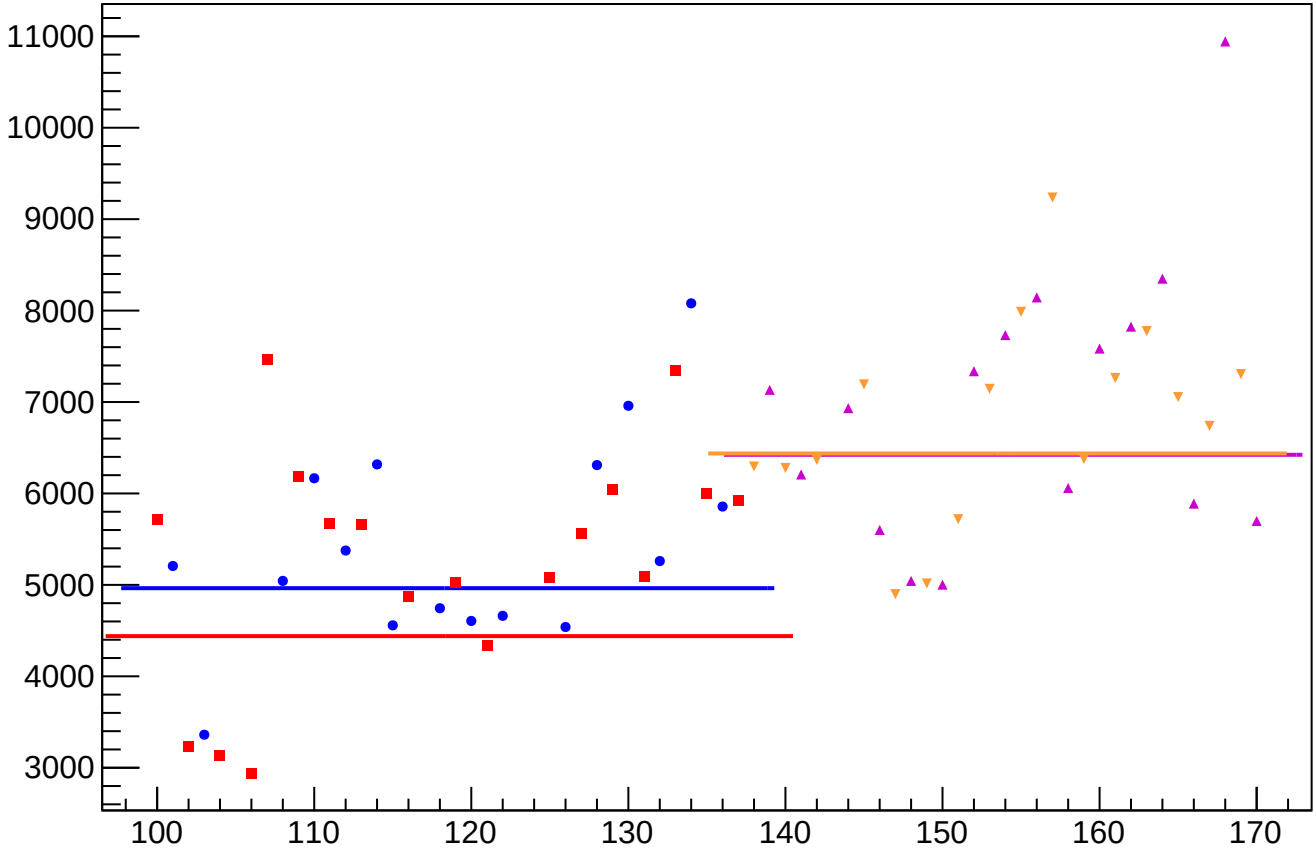
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -64.491+/-1307.781 χ^2/NDF:25.4/31

Out: 63.930+/-1256.820 χ^2/NDF:37.1/33

All: 2.270+/-906.186 χ^2/NDF: 62.4/65

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: 6437.248+/-1.308 χ^2/NDF:674640.8/15

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6422.819+/-1.277 χ^2/NDF:975562.4/15

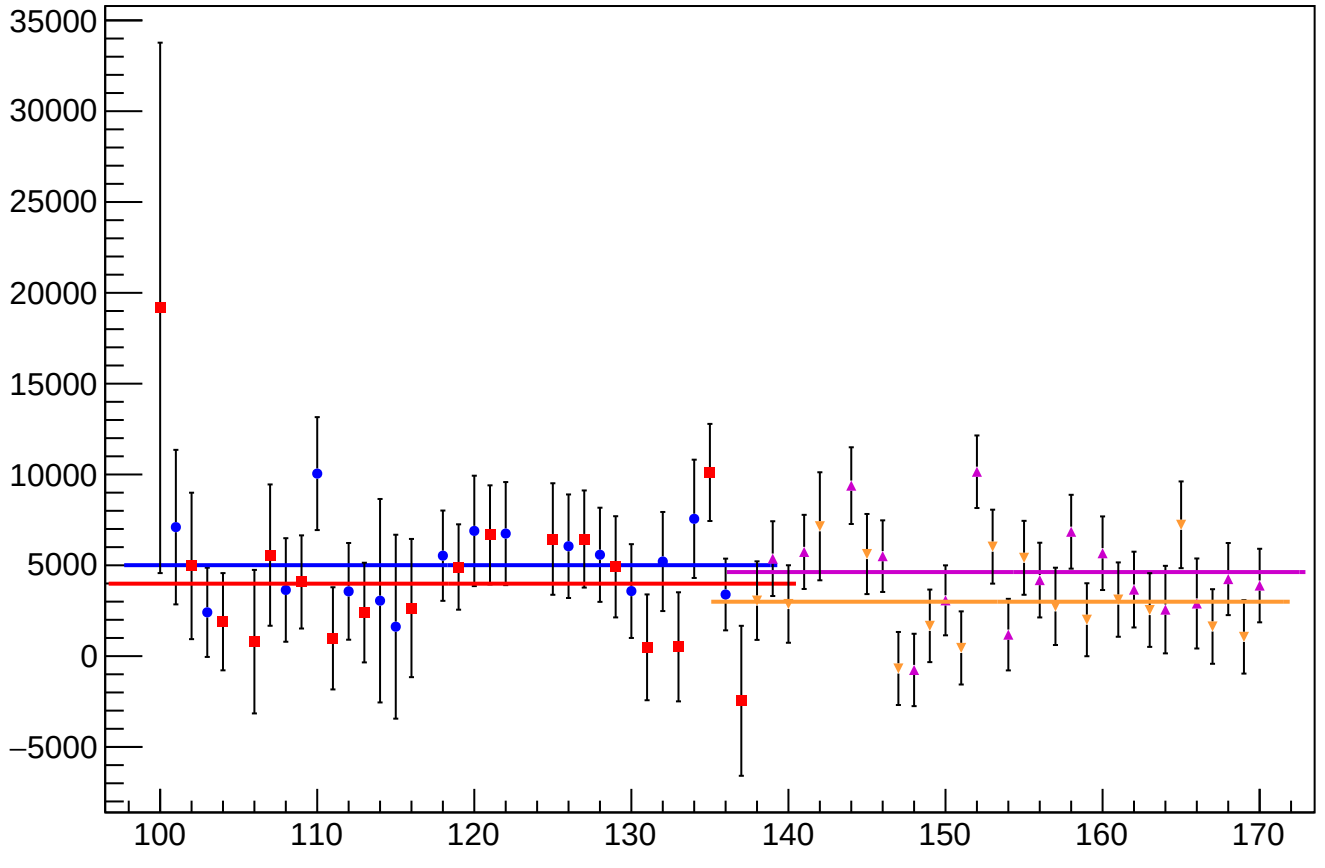
Left: 6429.860+/-0.914 χ^2/NDF: 1650265.5/31

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5728.755+/-0.925 χ^2/NDF:2223640.9/31

Out: 5361.537+/-0.889 χ^2/NDF:3088734.8/33

All: 5537.852+/-0.641 χ^2/NDF: 5394353.6/65



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2995.650+/-527.955 χ^2/NDF:17.2/15

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4627.982+/-514.864 χ^2/NDF:27.5/15

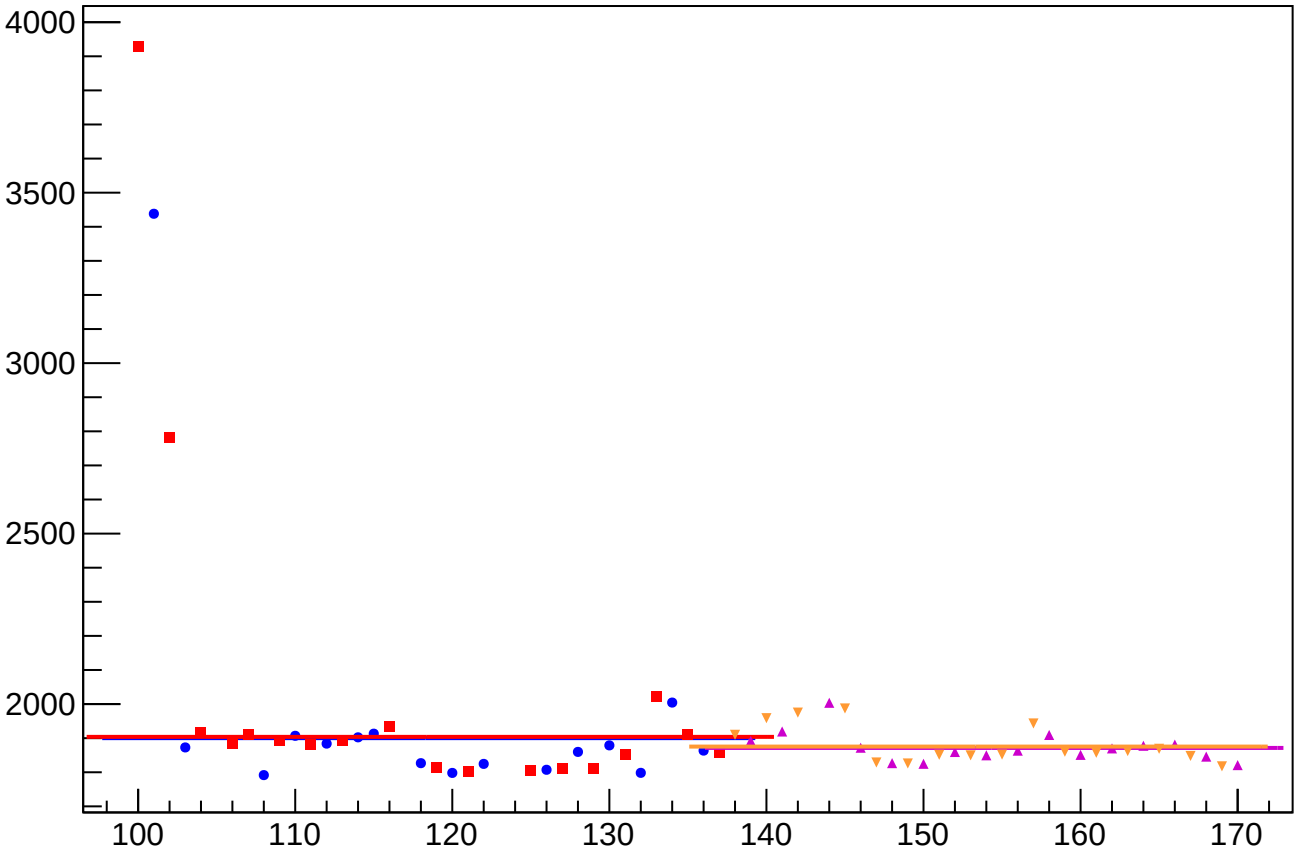
Left: 3832.305+/-368.605 χ^2/NDF: 49.6/31

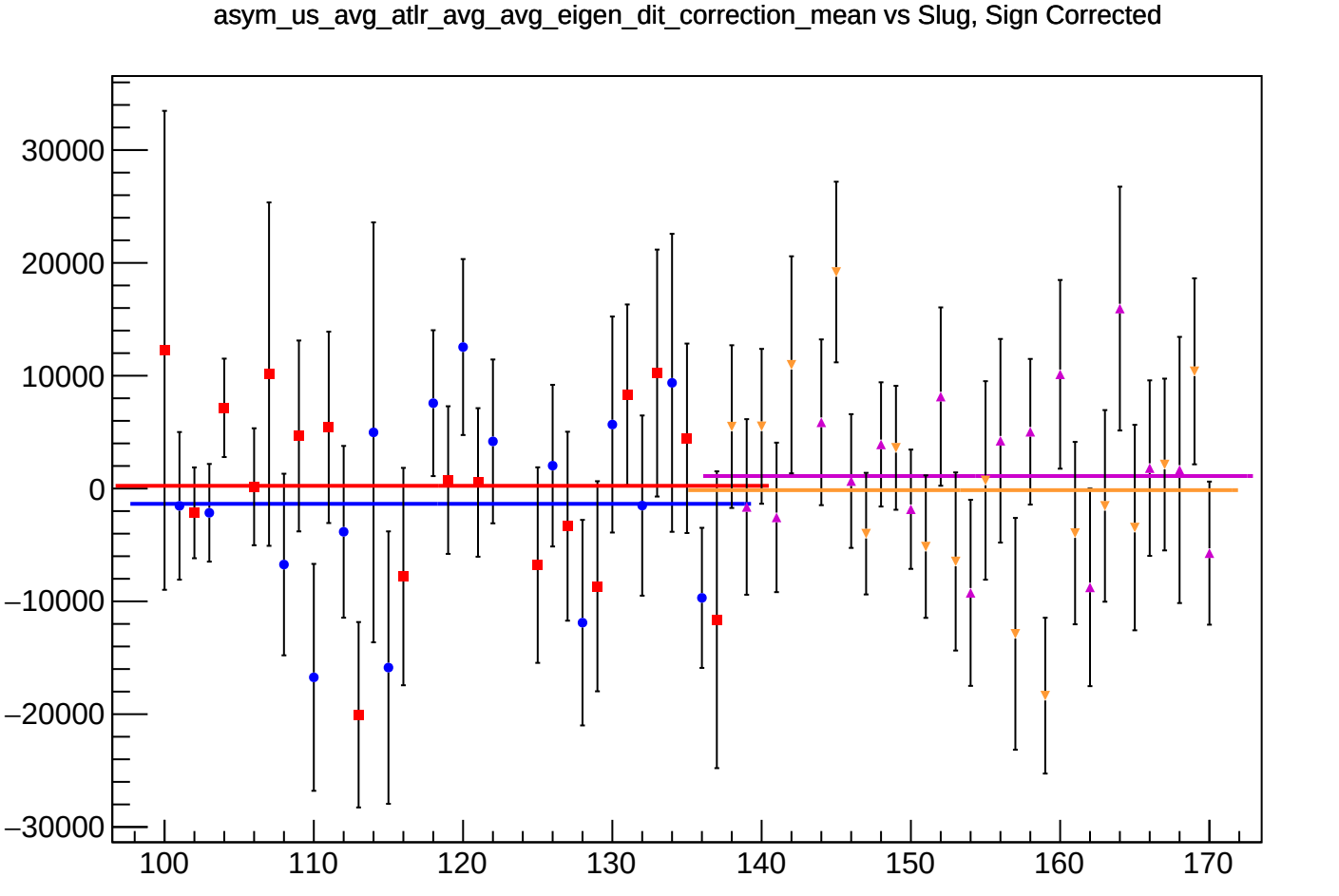
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4757.736+/-417.624 χ^2/NDF:35.3/31

Out: 3343.677+/-425.556 χ^2/NDF:35.8/33

All: 4064.008+/-298.070 χ^2/NDF: 76.8/65


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1875.338+/-0.373 χ²/NDF:18531.4/15
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1871.382+/-0.364 χ²/NDF:14206.6/15
Left: 1873.310+/-0.261 χ²/NDF: 32795.5/31
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1881.209+/-0.295 χ²/NDF:294785.0/31
Out: 1885.331+/-0.301 χ²/NDF:170689.2/33
All: 1883.232+/-0.211 χ²/NDF: 465569.9/65



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -142.877+/-1850.087 χ^2/NDF:21.3/15

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1108.192+/-1806.238 χ^2/NDF:9.8/15

Left: 497.659+/-1292.427 χ^2/NDF: 31.3/31

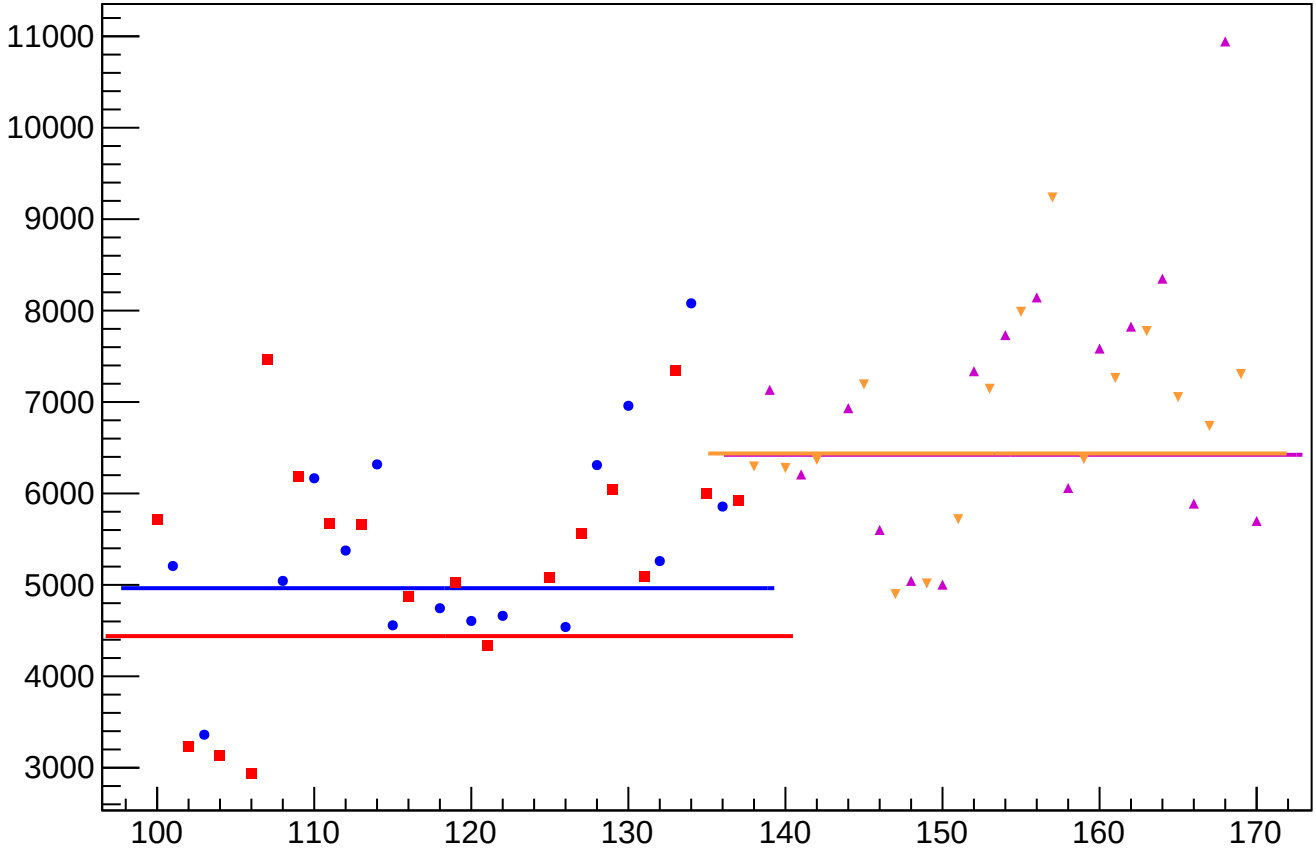
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -64.491+/-1307.780 χ^2/NDF:25.4/31

Out: 63.928+/-1256.819 χ^2/NDF:37.1/33

All: 2.270+/-906.186 χ^2/NDF: 62.4/65

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: 6437.258+/-1.308 χ^2/NDF:674642.9/15

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6422.828+/-1.277 χ^2/NDF:975564.3/15

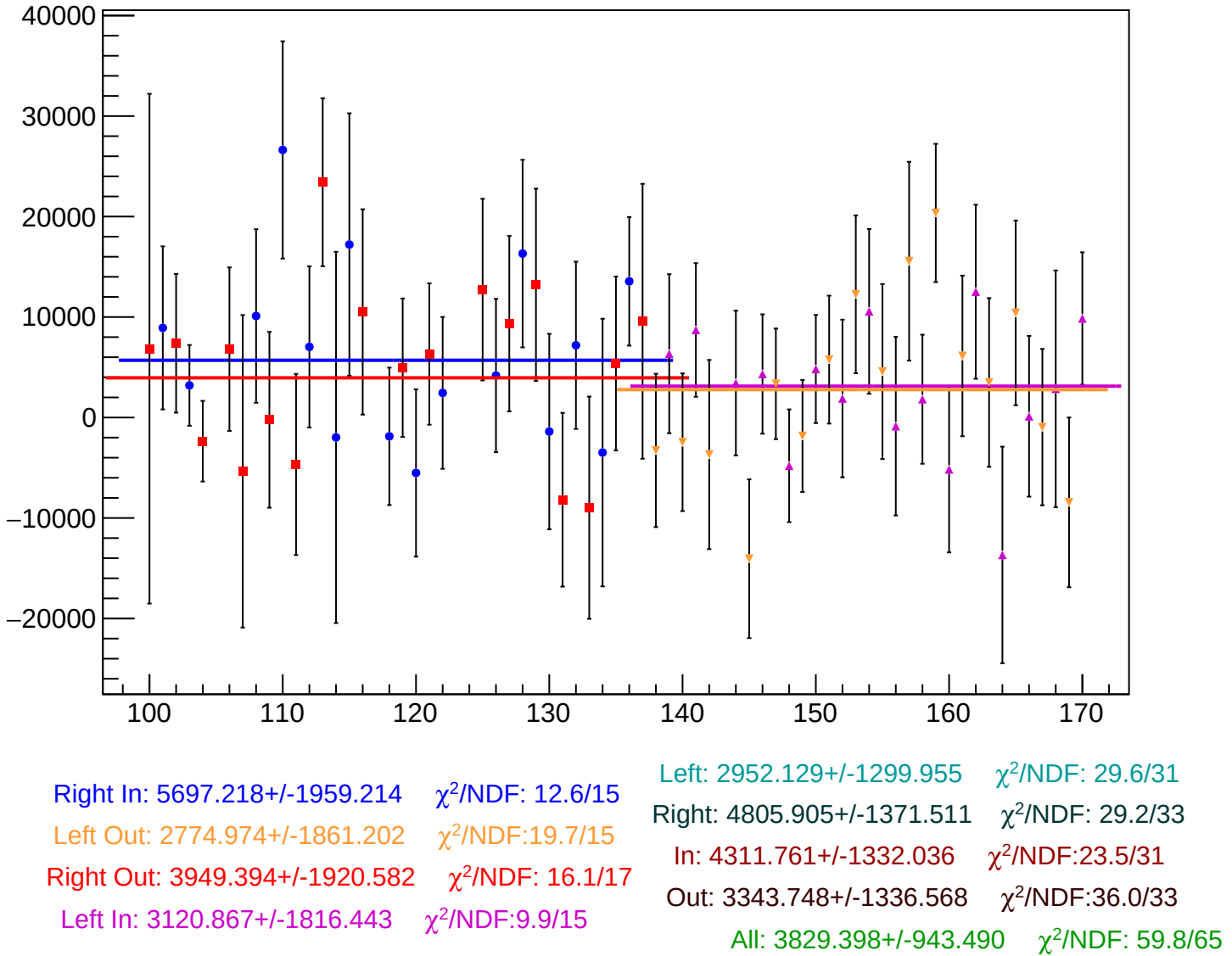
Left: 6429.870+/-0.914 χ^2/NDF: 1650269.4/31

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

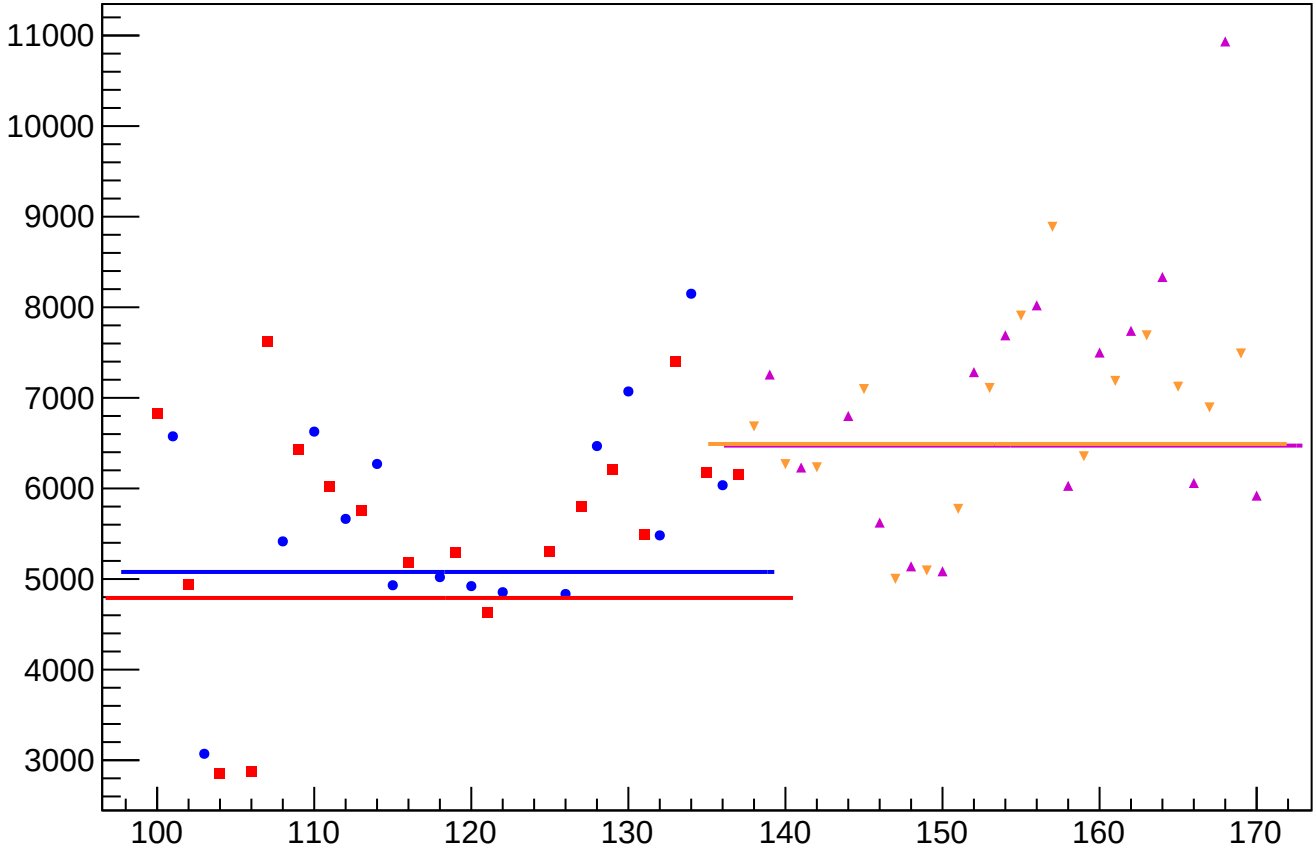
In: 5728.750+/-0.925 χ^2/NDF:2223665.0/31

Out: 5361.531+/-0.889 χ^2/NDF:3088763.7/33

All: 5537.846+/-0.641 χ^2/NDF: 5394407.4/65


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 2774.974+/-1861.202 χ²/NDF:19.7/15
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 3120.867+/-1816.443 χ²/NDF:9.9/15
Left: 2952.129+/-1299.955 χ²/NDF: 29.6/31
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4311.761+/-1332.036 χ²/NDF:23.5/31
Out: 3343.748+/-1336.568 χ²/NDF:36.0/33
All: 3829.398+/-943.490 χ²/NDF: 59.8/65

asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6491.084+/-1.316 χ^2/NDF:596164.9/15

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6472.919+/-1.284 χ^2/NDF:888555.3/15

Left: 6481.780+/-0.919 χ^2/NDF: 1484817.7/31

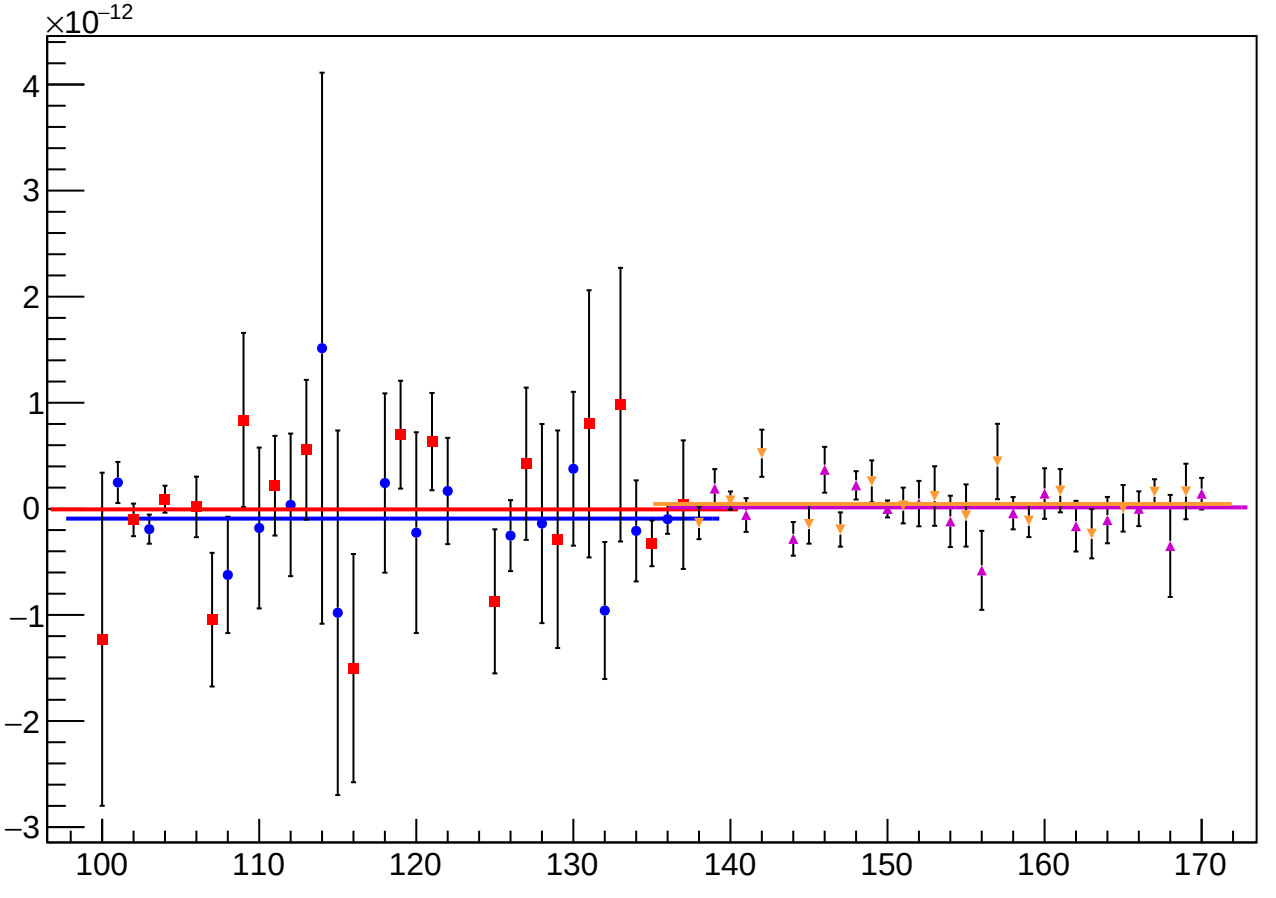
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5828.192+/-0.942 χ^2/NDF:2352848.0/31

Out: 5650.519+/-0.936 χ^2/NDF:2583603.4/33

All: 5738.774+/-0.664 χ^2/NDF: 4954359.7/65

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:15.3/15

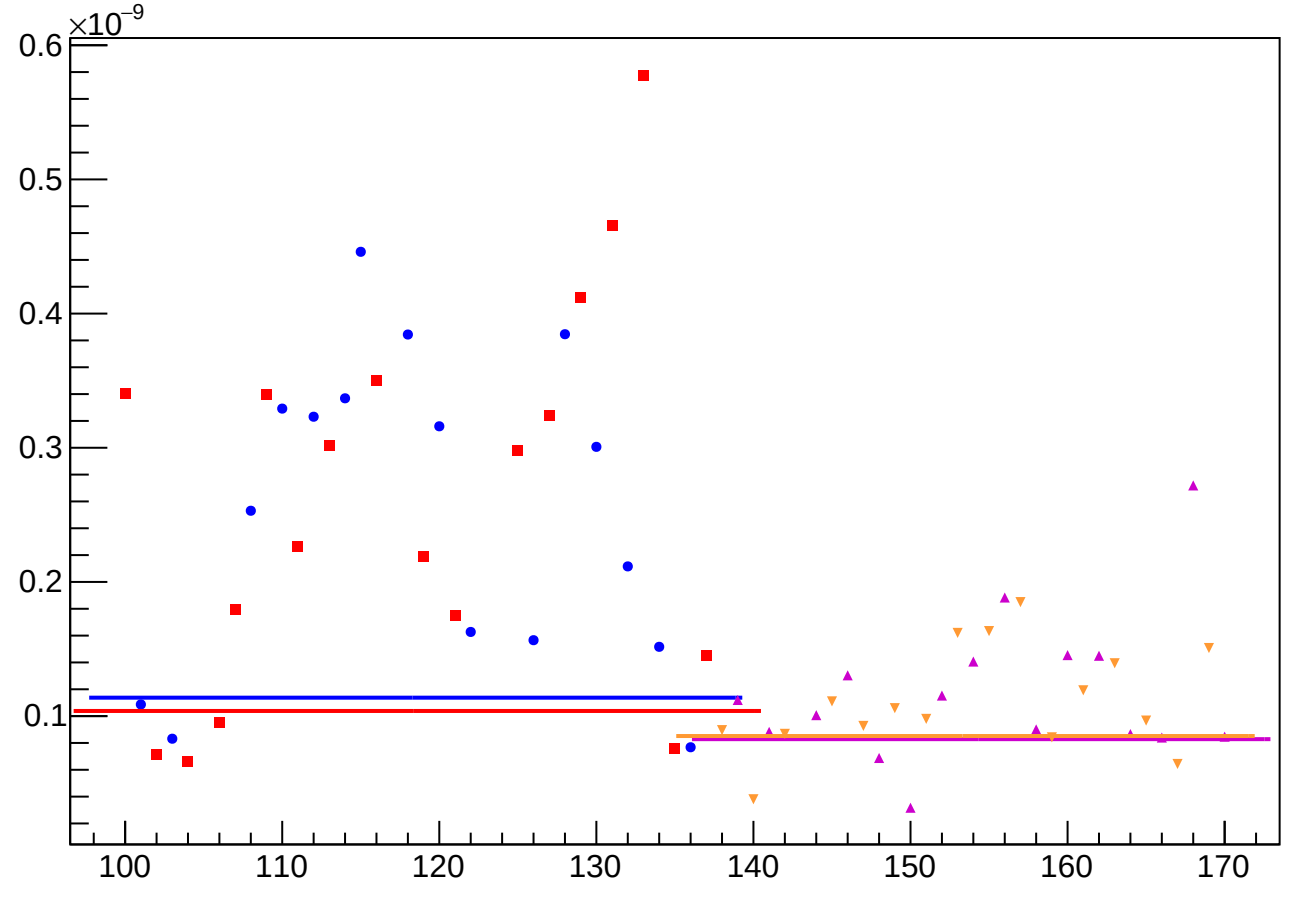
Left: 0.000+/-0.000 χ^2/NDF: 31.6/31

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:24.9/31

Out: 0.000+/-0.000 χ^2/NDF:33.8/33

All: 0.000+/-0.000 χ^2/NDF: 59.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1490490.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1925647.2/15

Left: 0.000+/-0.000 χ^2/NDF: 3419184.7/31

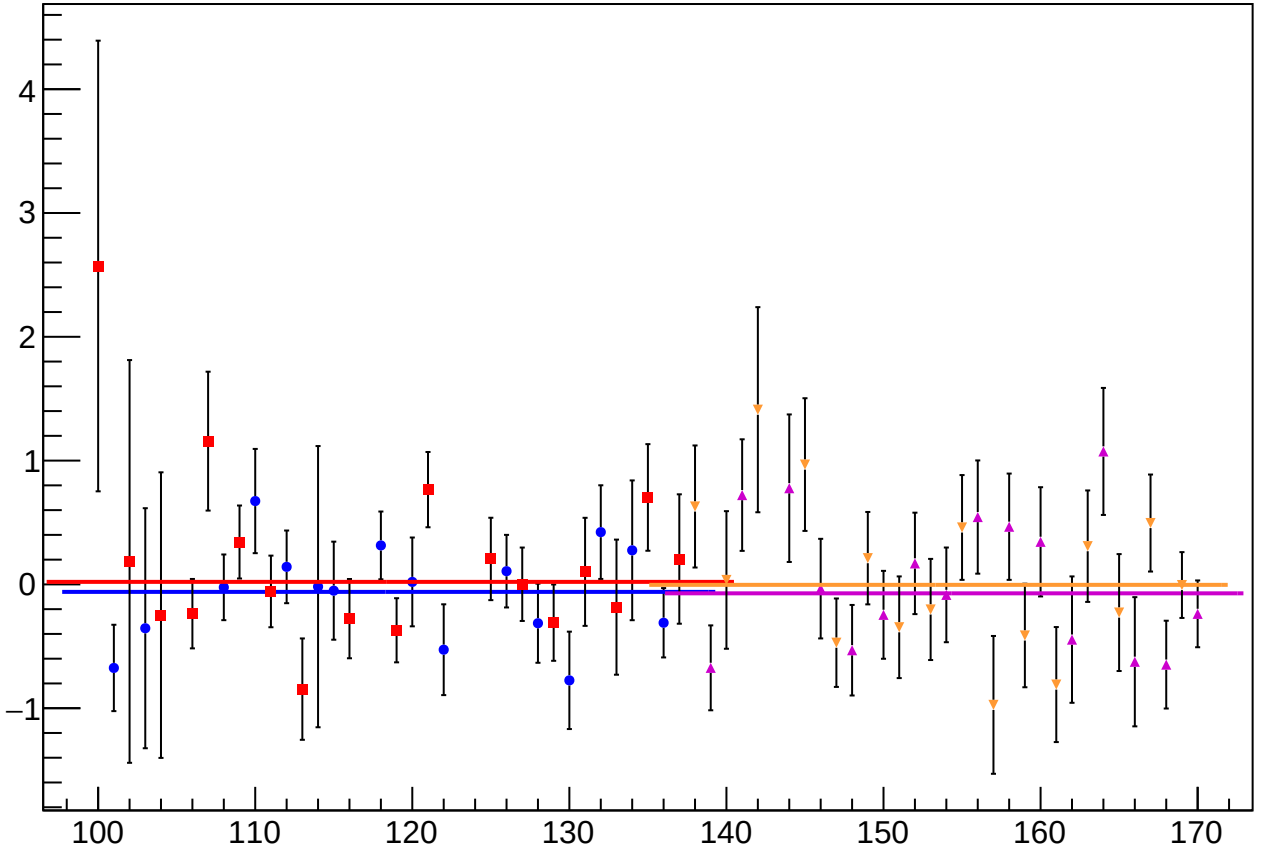
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3695794.6/31

Out: 0.000+/-0.000 χ^2/NDF:3667833.3/33

All: 0.000+/-0.000 χ^2/NDF: 7363656.7/65

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: -0.004+/-0.106 χ^2/NDF:21.4/15

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.040+/-0.073 χ^2/NDF: 45.9/31

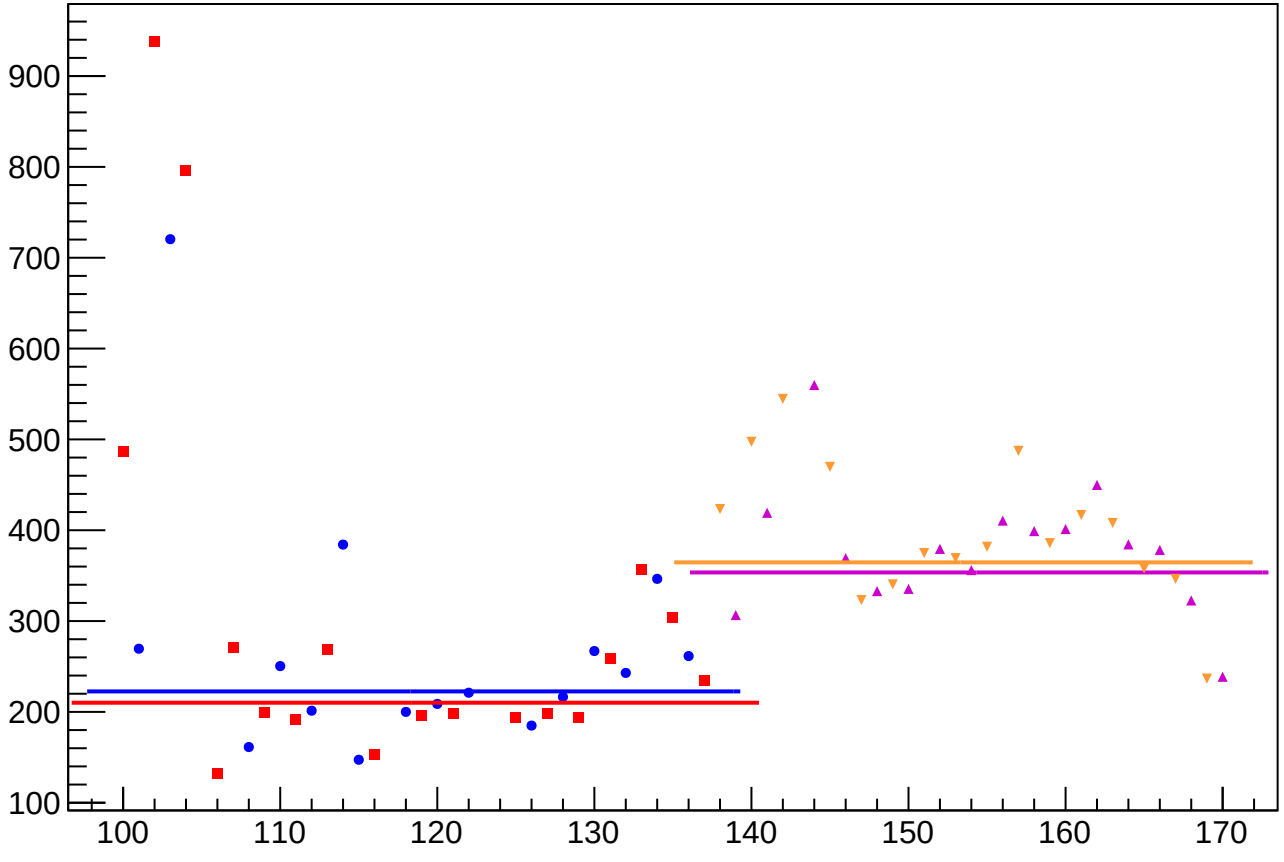
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: 0.011+/-0.068 χ^2/NDF:47.5/33

All: -0.028+/-0.047 χ^2/NDF: 89.8/65

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: 364.623+/-0.075 χ^2/NDF:968227.1/15

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 353.518+/-0.071 χ^2/NDF:880095.4/15

Left: 358.759+/-0.052 χ^2/NDF: 1859845.8/31

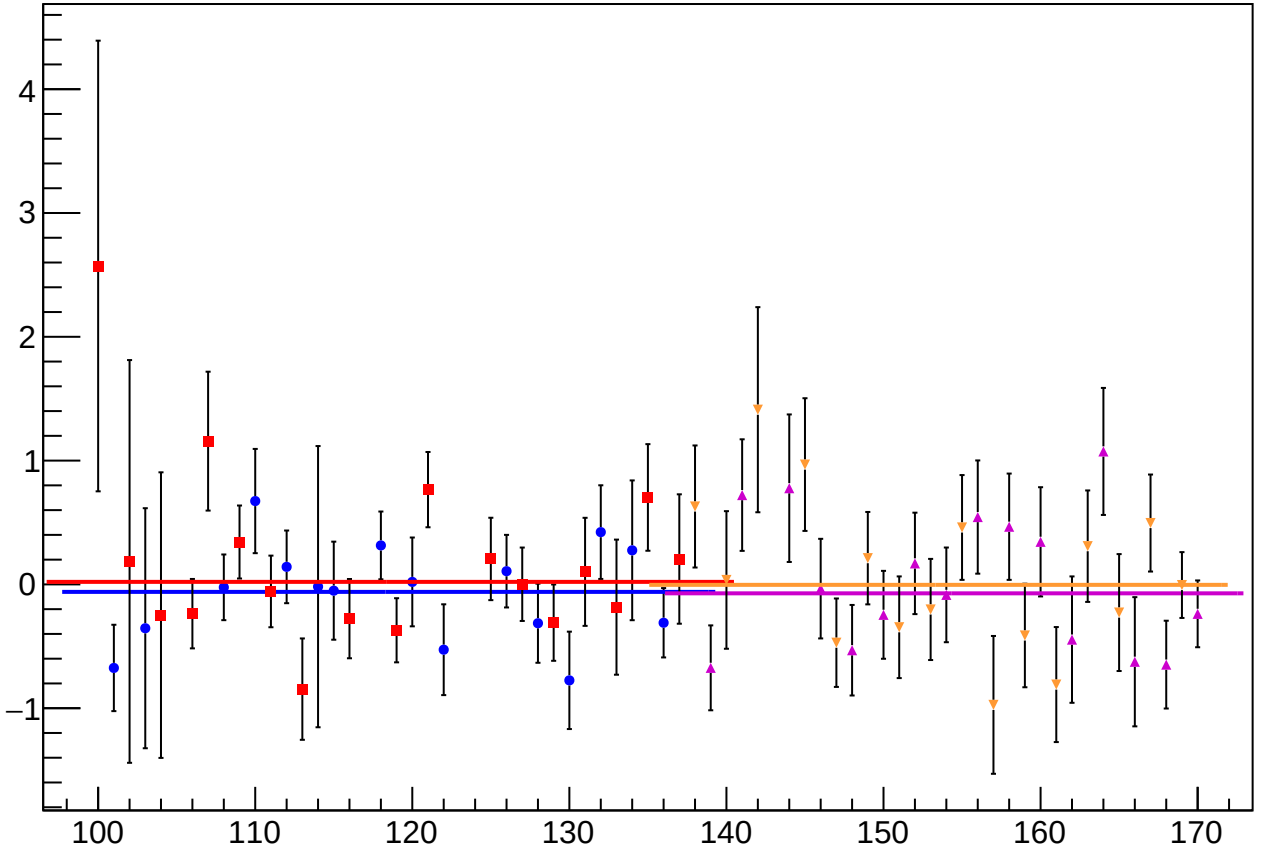
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.870+/-0.047 χ^2/NDF:3808106.6/31

Out: 272.456+/-0.048 χ^2/NDF:5036554.1/33

All: 276.220+/-0.034 χ^2/NDF: 8856899.8/65

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: -0.004+/-0.106 χ^2/NDF:21.4/15

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.040+/-0.073 χ^2/NDF: 45.9/31

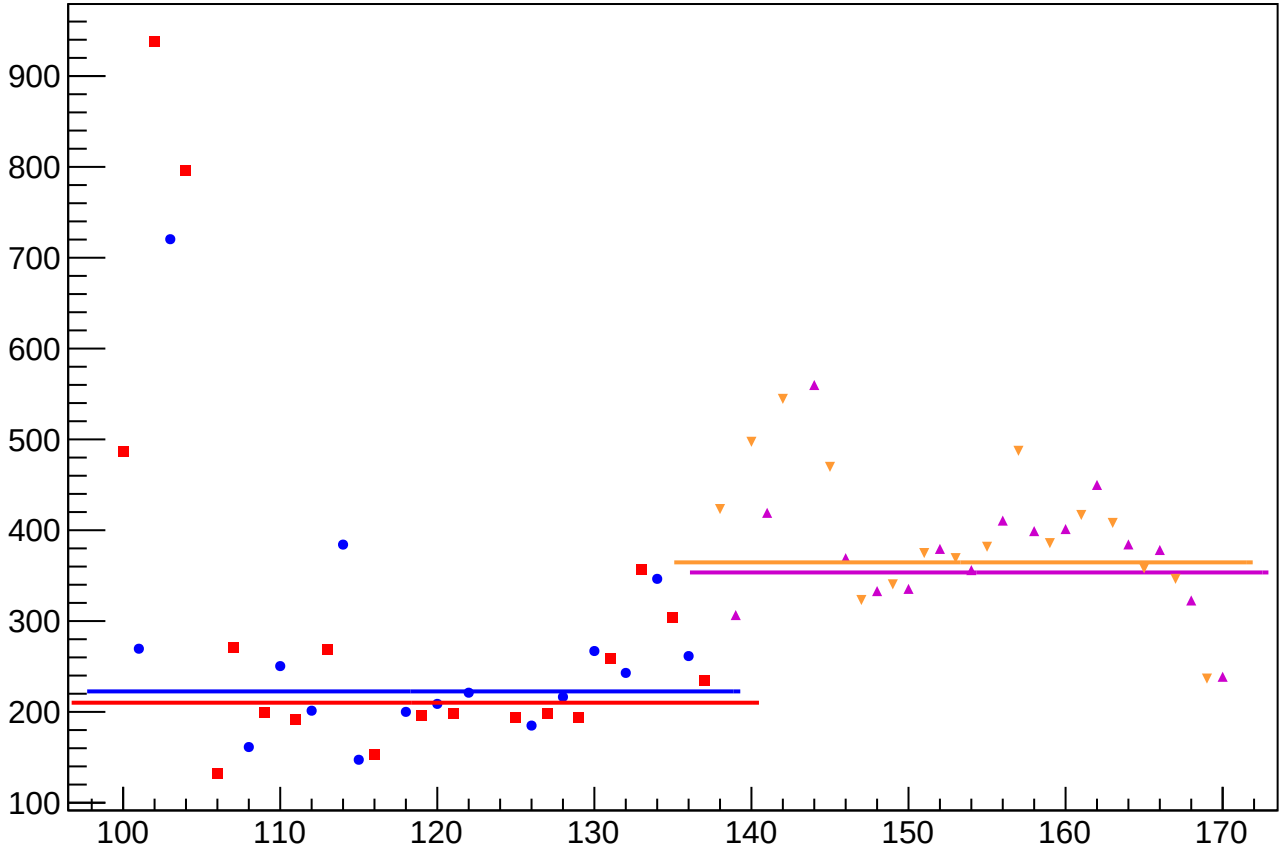
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: 0.011+/-0.068 χ^2/NDF:47.5/33

All: -0.028+/-0.047 χ^2/NDF: 89.8/65

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: 364.623+/-0.075 χ^2/NDF:968227.1/15

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 353.518+/-0.071 χ^2/NDF:880095.4/15

Left: 358.759+/-0.052 χ^2/NDF: 1859845.8/31

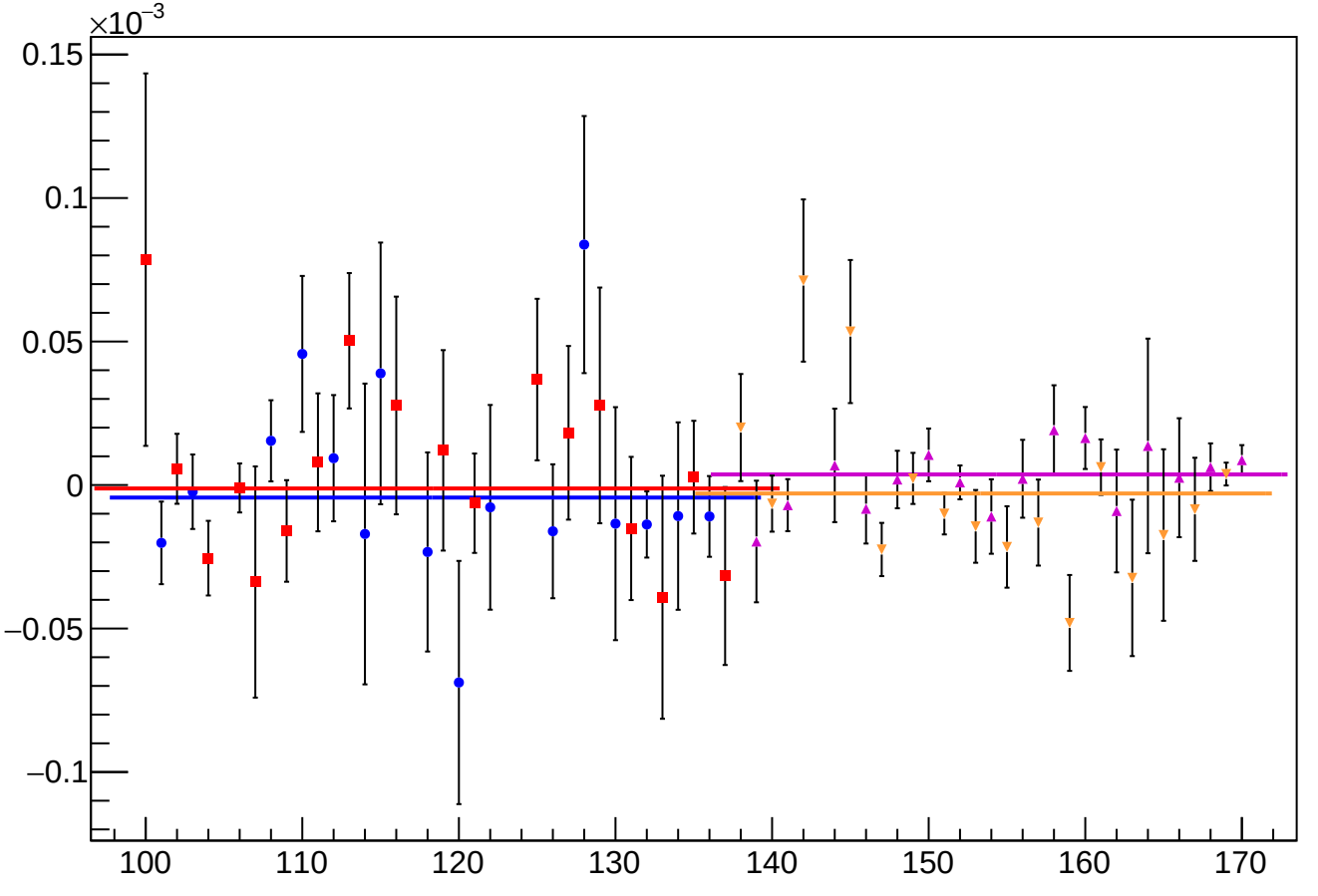
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.870+/-0.047 χ^2/NDF:3808106.6/31

Out: 272.456+/-0.048 χ^2/NDF:5036554.1/33

All: 276.220+/-0.034 χ^2/NDF: 8856899.8/65

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:35.0/15

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:9.5/15

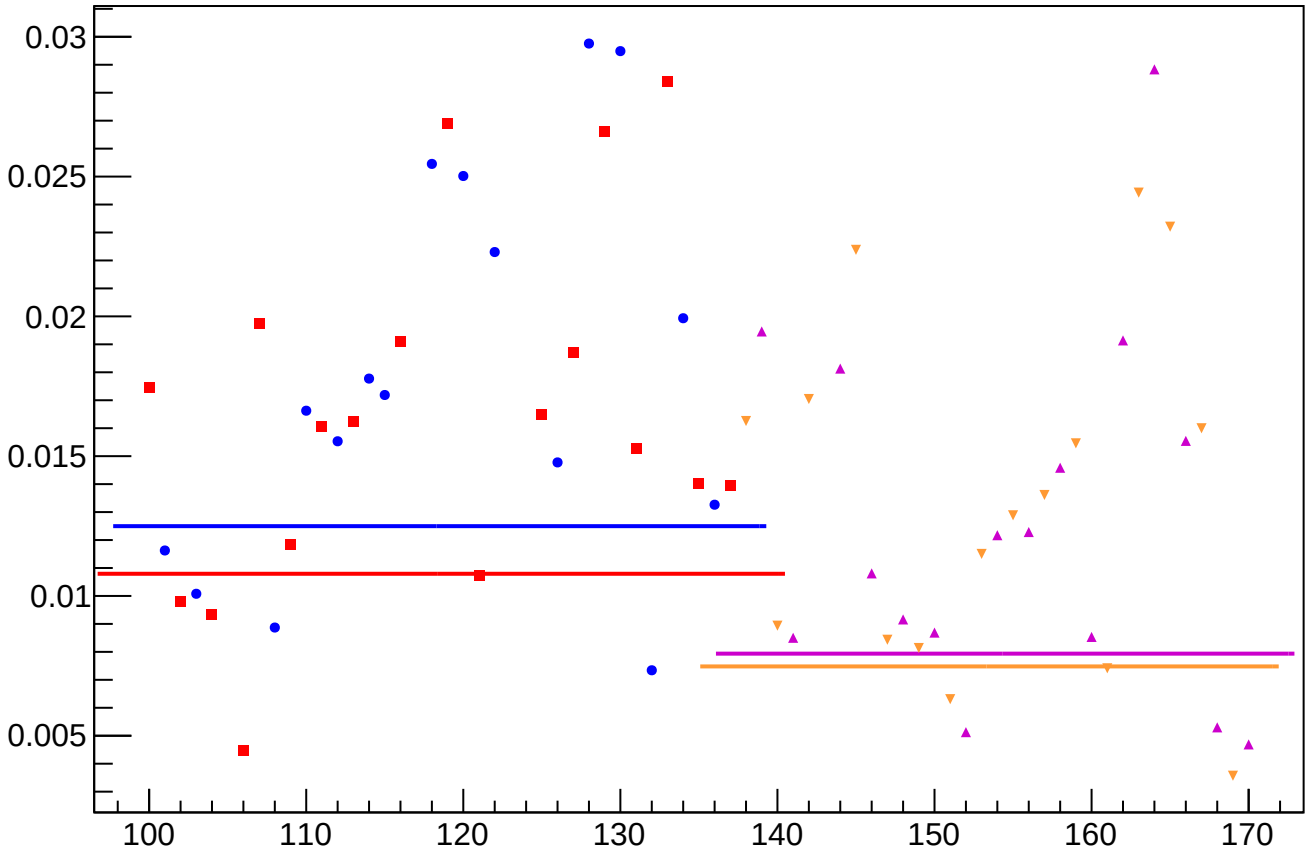
Left: 0.000+/-0.000 χ^2/NDF: 47.9/31

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:27.1/31

Out: -0.000+/-0.000 χ^2/NDF:52.3/33

All: -0.000+/-0.000 χ^2/NDF: 81.6/65



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:6509560.7/15

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:4941957.1/15

Left: 0.008+/-0.000 χ^2/NDF: 11484211.7/31

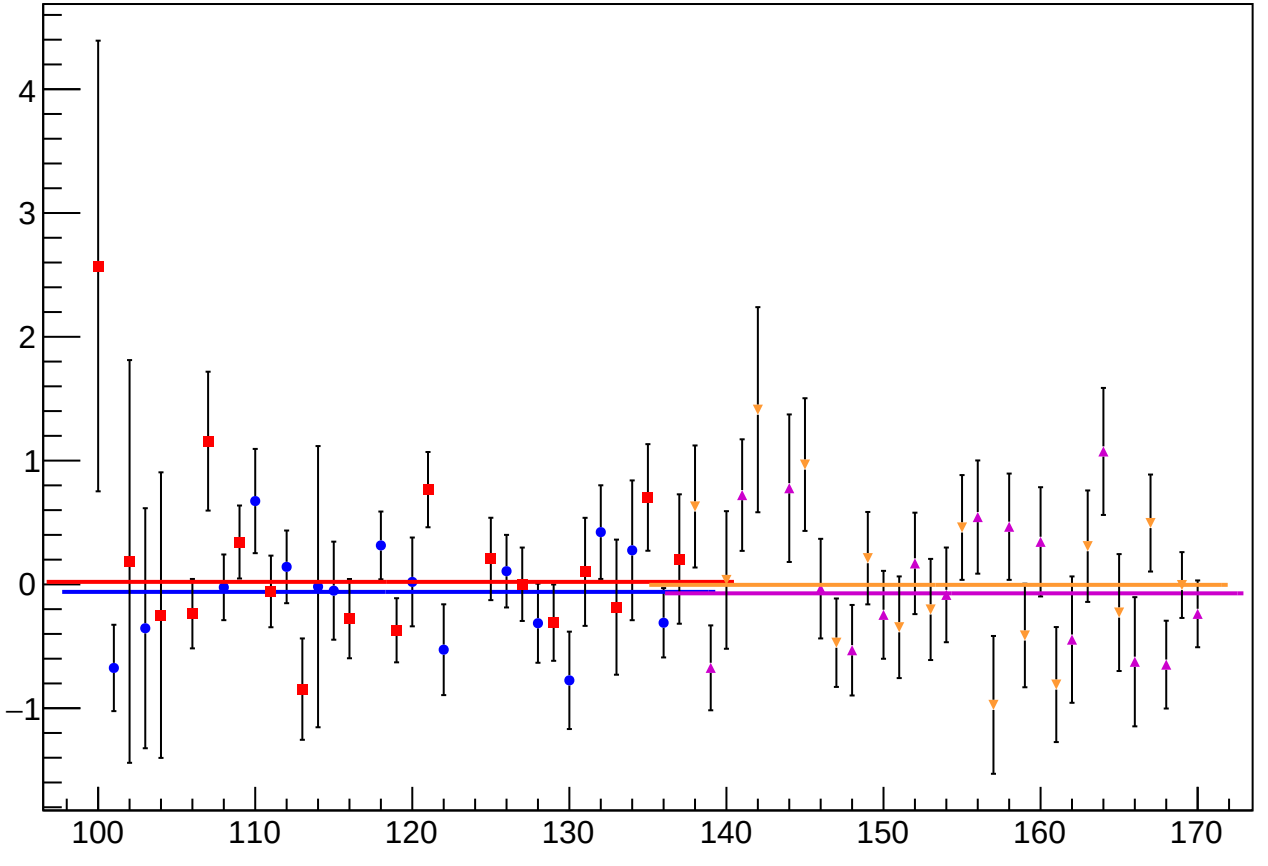
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8343145.4/31

Out: 0.008+/-0.000 χ^2/NDF:10300411.5/33

All: 0.009+/-0.000 χ^2/NDF: 18716273.1/65

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: -0.004+/-0.106 χ^2/NDF:21.4/15

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.040+/-0.073 χ^2/NDF: 45.9/31

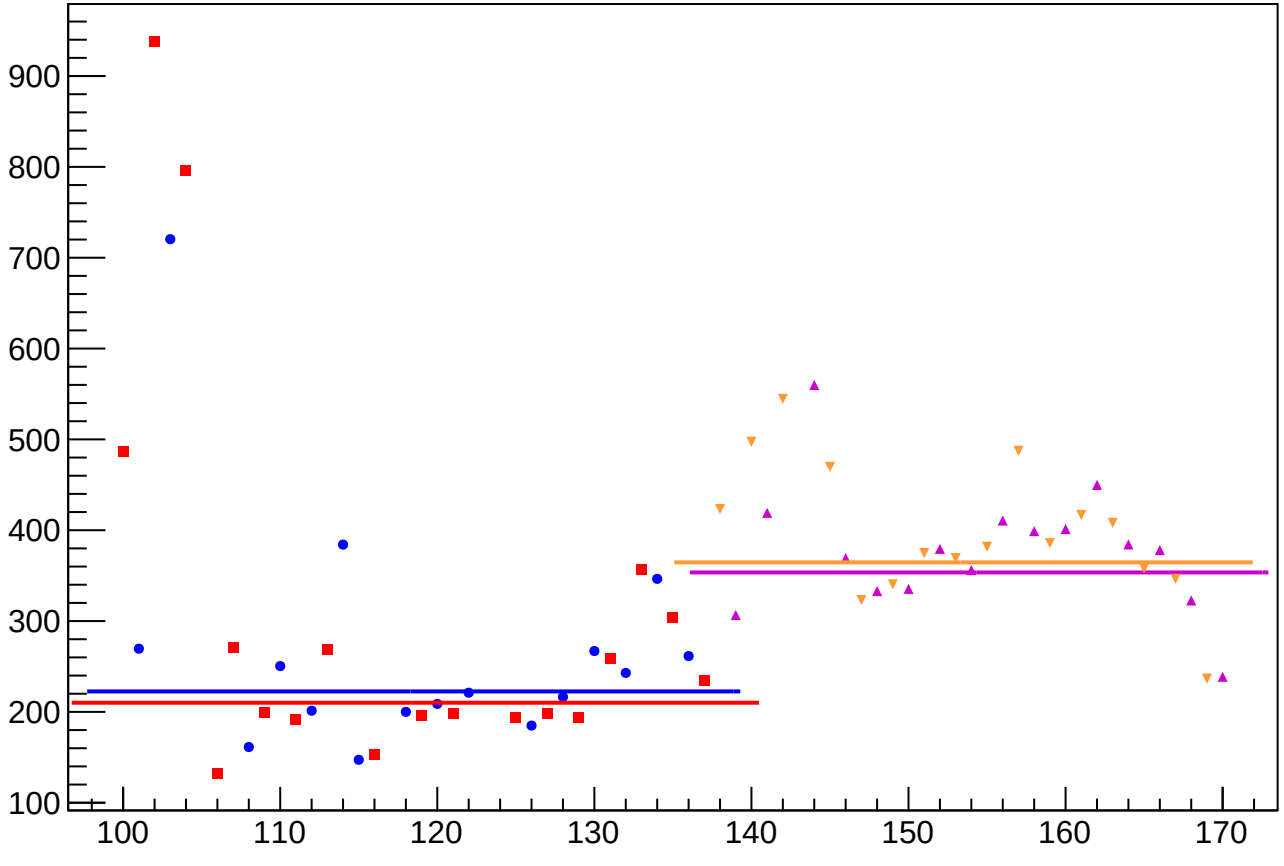
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: 0.011+/-0.068 χ^2/NDF:47.5/33

All: -0.028+/-0.047 χ^2/NDF: 89.8/65

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: 364.628+/-0.075 χ^2/NDF:968274.3/15

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 353.523+/-0.071 χ^2/NDF:880128.6/15

Left: 358.764+/-0.052 χ^2/NDF: 1859925.6/31

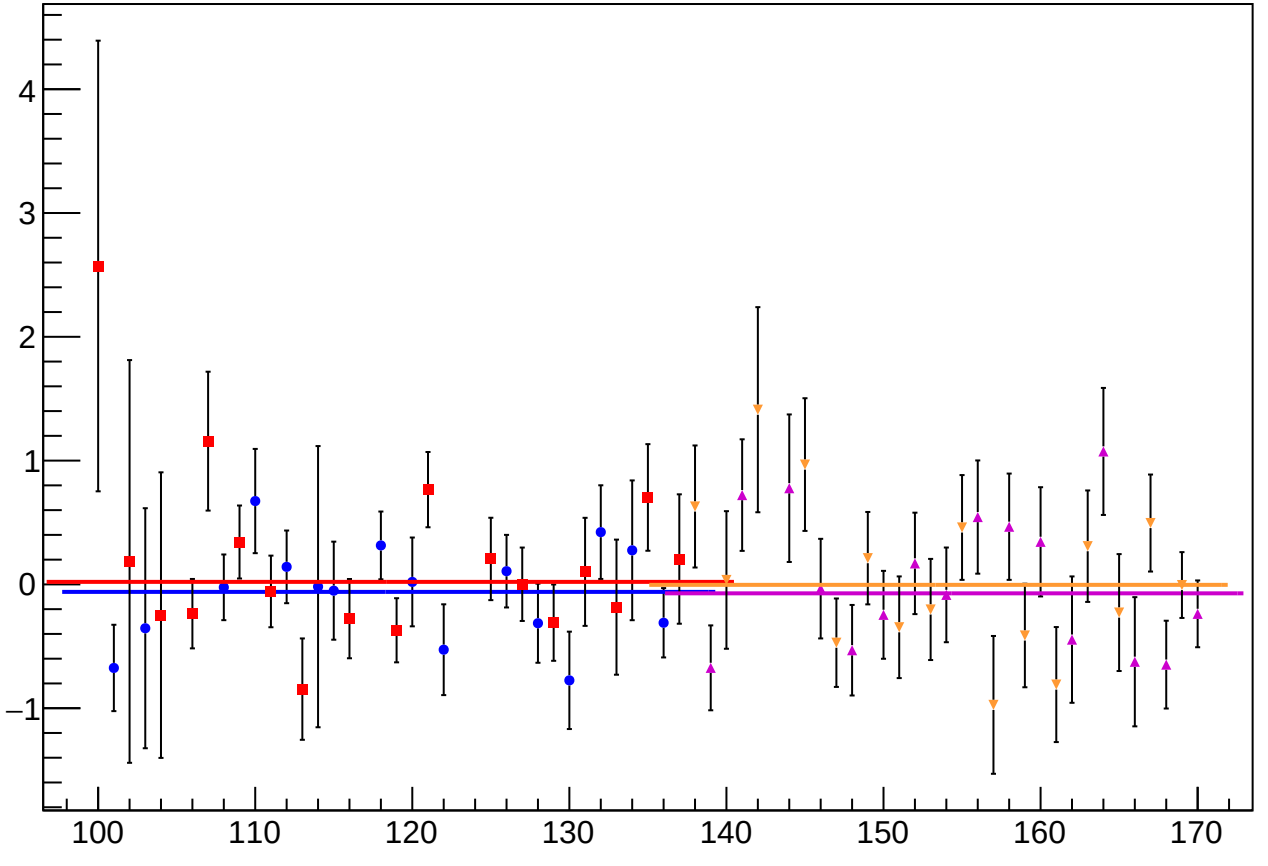
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.869+/-0.047 χ^2/NDF:3808298.6/31

Out: 272.455+/-0.048 χ^2/NDF:5036801.6/33

All: 276.219+/-0.034 χ^2/NDF: 8857343.6/65

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: -0.004+/-0.106 χ^2/NDF:21.4/15

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.040+/-0.073 χ^2/NDF: 45.9/31

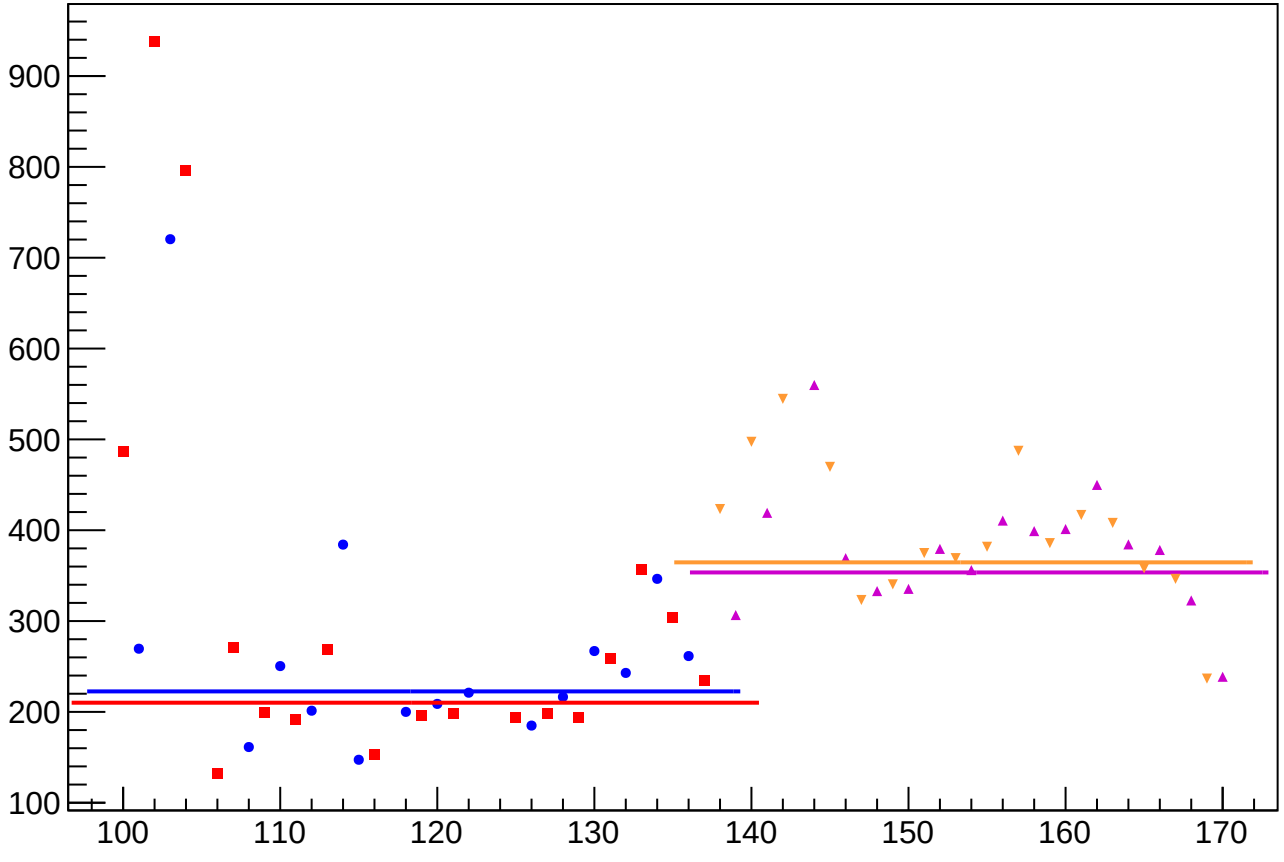
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: 0.011+/-0.068 χ^2/NDF:47.5/33

All: -0.028+/-0.047 χ^2/NDF: 89.8/65

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: 364.628+/-0.075 χ^2/NDF:968274.3/15

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 353.523+/-0.071 χ^2/NDF:880128.6/15

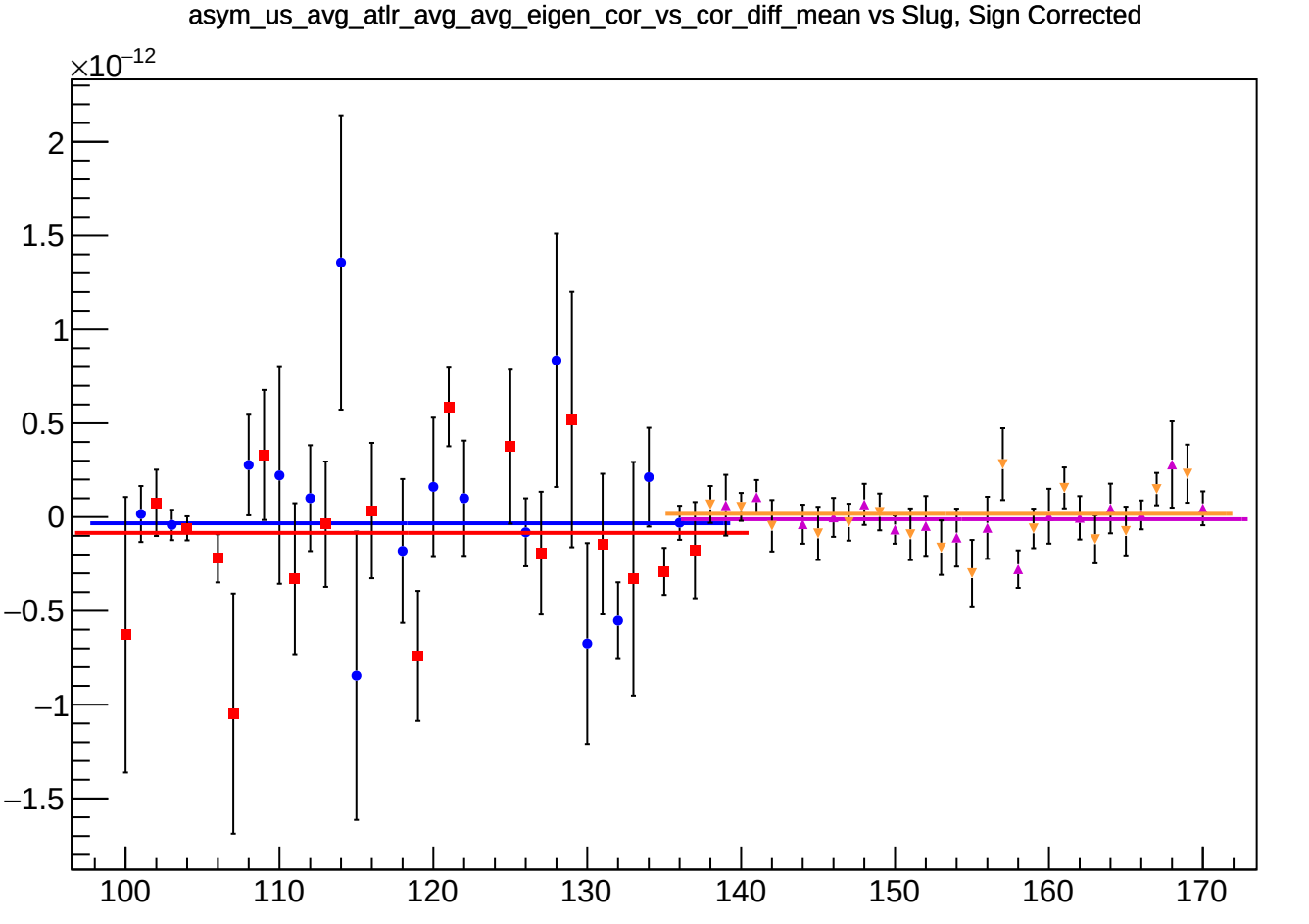
Left: 358.764+/-0.052 χ^2/NDF: 1859925.6/31

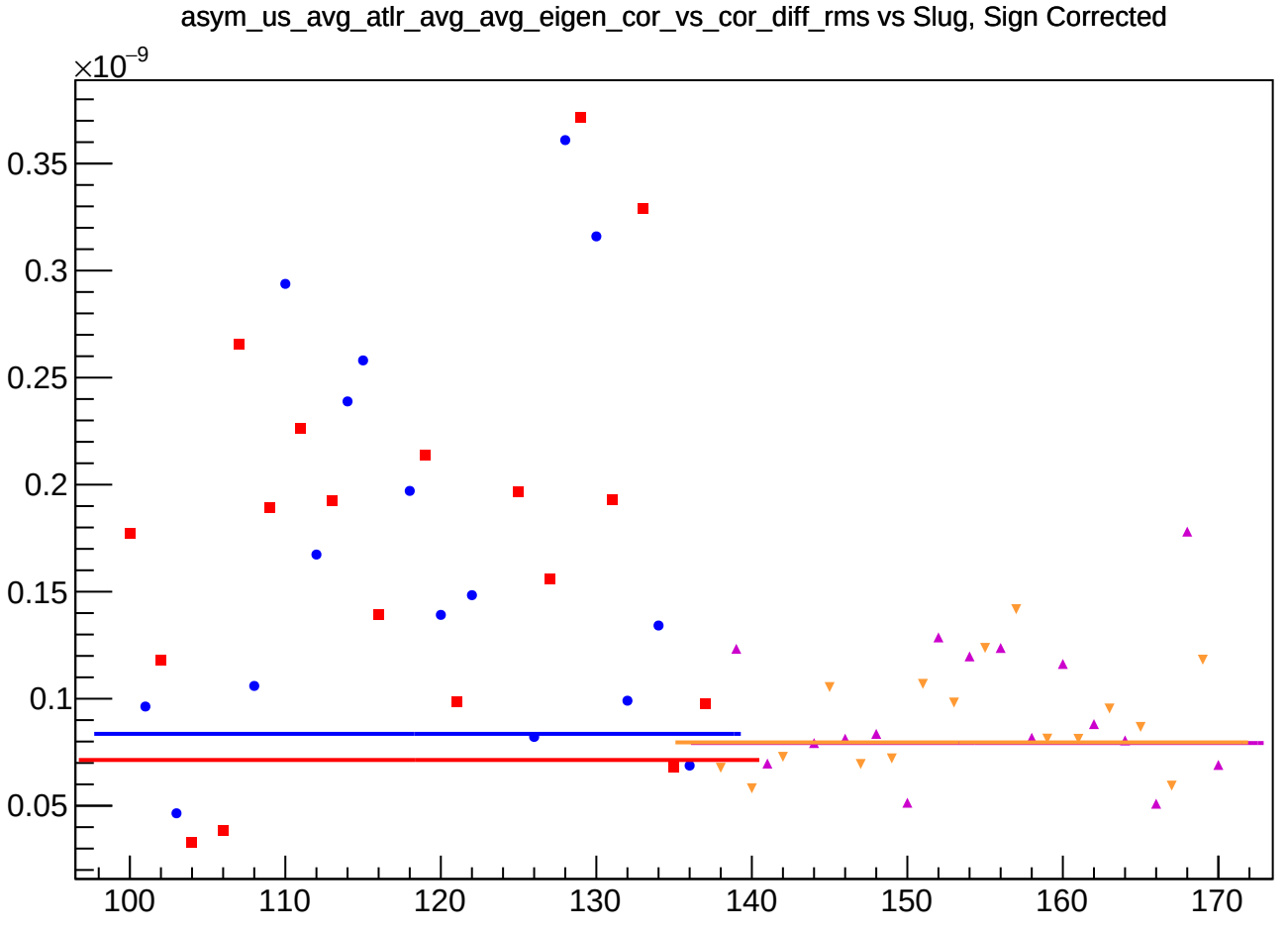
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.869+/-0.047 χ^2/NDF:3808298.6/31

Out: 272.455+/-0.048 χ^2/NDF:5036801.6/33

All: 276.219+/-0.034 χ^2/NDF: 8857343.6/65


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:16.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:13.0/15
Left: 0.000+/-0.000 χ²/NDF: 30.2/31
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:30.3/31
Out: -0.000+/-0.000 χ²/NDF:46.3/33
All: -0.000+/-0.000 χ²/NDF: 76.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1017965.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1725728.8/15

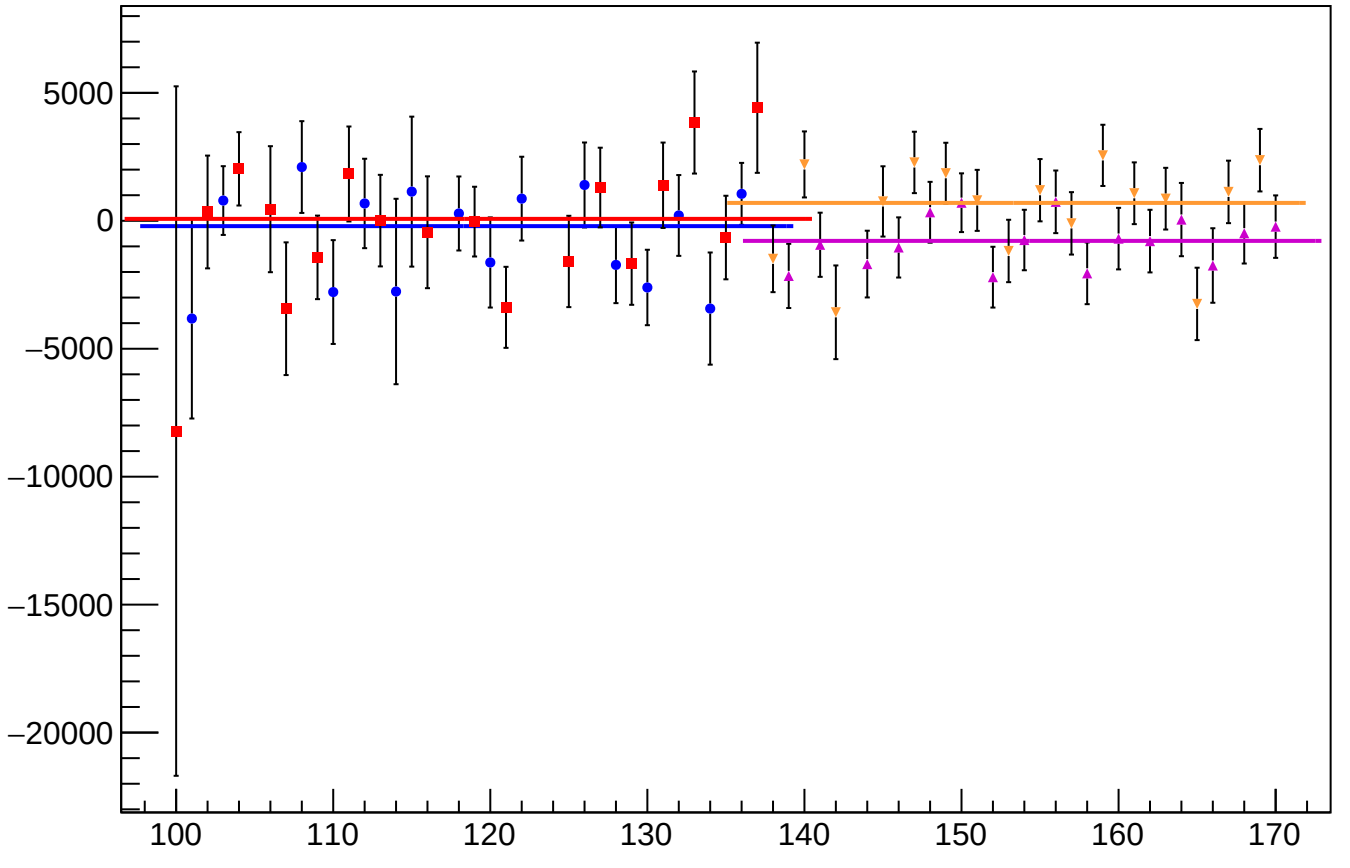
Left: 0.000+/-0.000 χ^2/NDF: 2743808.0/31

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:3973489.3/31

Out: 0.000+/-0.000 χ^2/NDF:4811765.3/33

All: 0.000+/-0.000 χ^2/NDF: 8803299.8/65



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 699.465+/-315.369 χ^2/NDF:27.6/15

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -784.697+/-308.085 χ^2/NDF:9.5/15

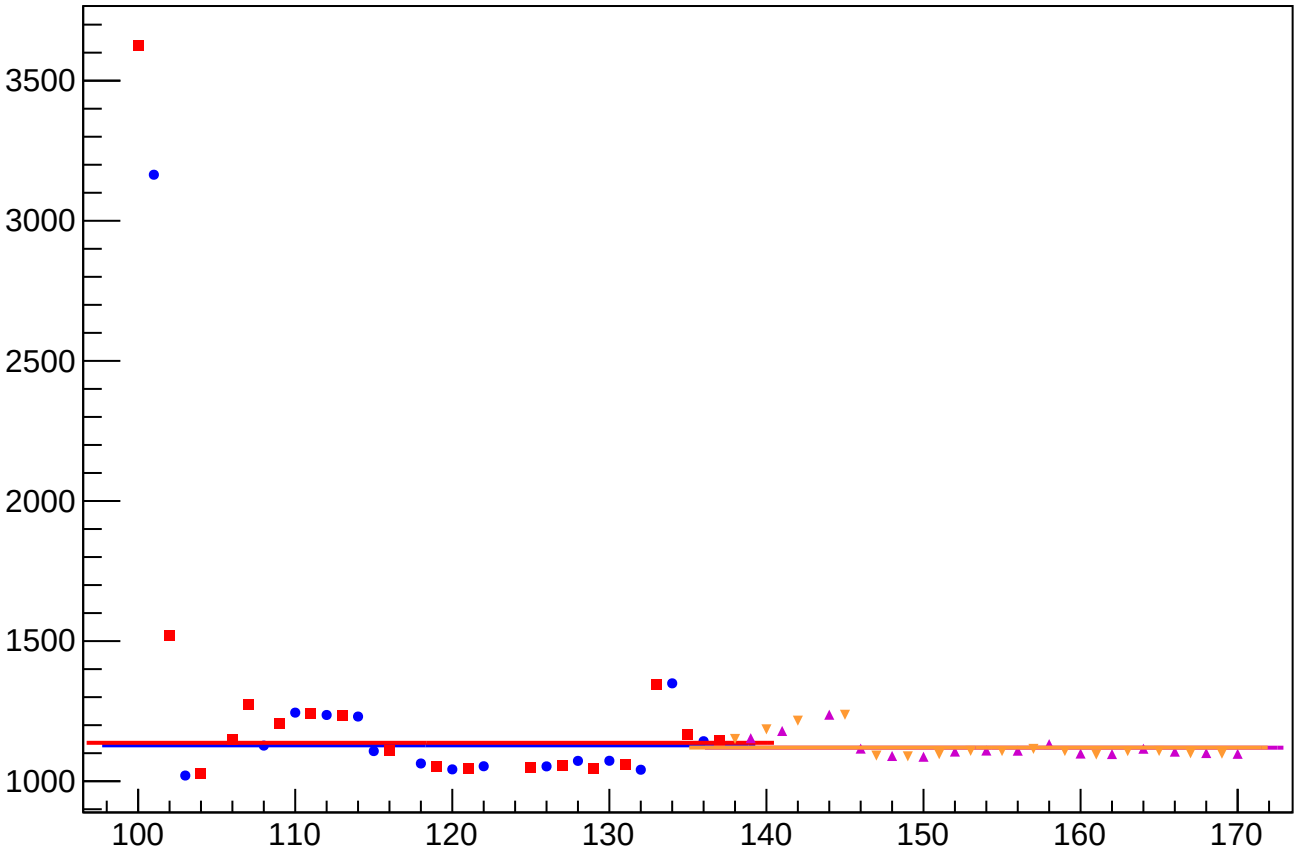
Left: -59.955+/-220.379 χ^2/NDF: 48.4/31

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -588.682+/-250.272 χ^2/NDF:25.4/31

Out: 481.767+/-254.462 χ^2/NDF:49.6/33

All: -62.344+/-178.432 χ^2/NDF: 84.0/65



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1120.056+/-0.223 χ^2/NDF:32606.8/15

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

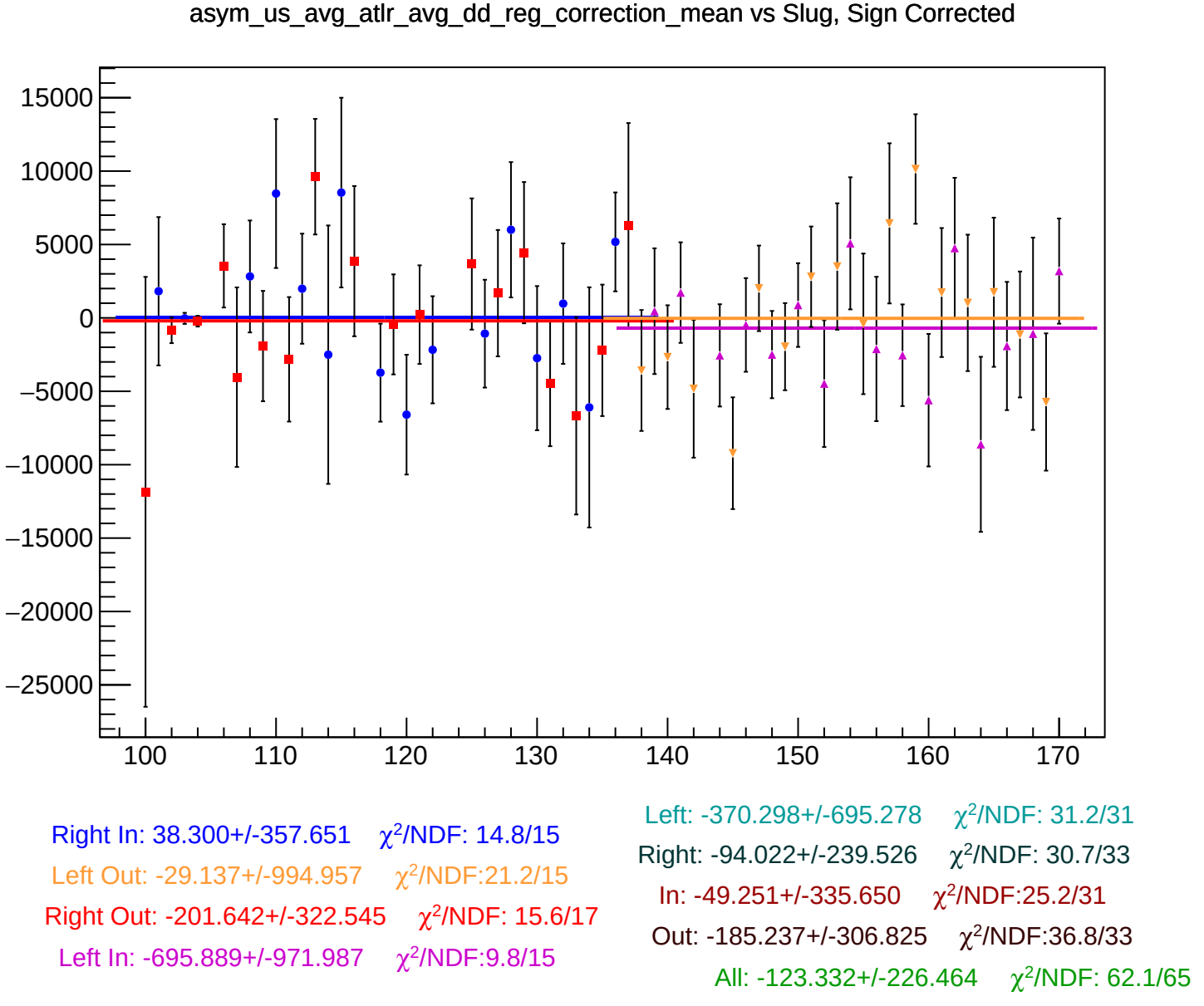
Left: 1119.821+/-0.156 χ^2/NDF: 61164.5/31

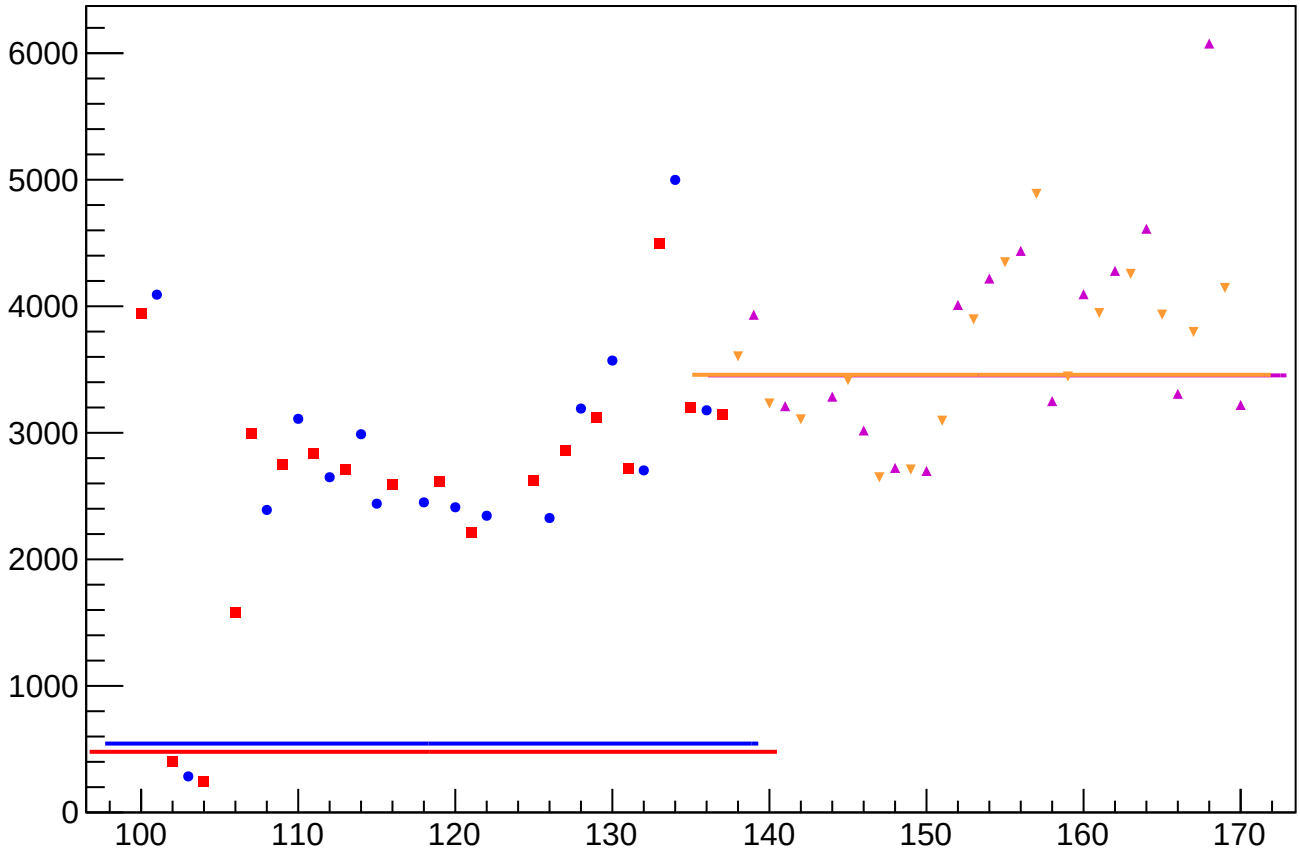
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1122.457+/-0.177 χ^2/NDF:650457.0/31

Out: 1125.997+/-0.180 χ^2/NDF:254722.2/33

All: 1124.199+/-0.126 χ^2/NDF: 905376.2/65


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -29.137+/-994.957 χ²/NDF:21.2/15
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -695.889+/-971.987 χ²/NDF:9.8/15
Left: -370.298+/-695.278 χ²/NDF: 31.2/31
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -49.251+/-335.650 χ²/NDF:25.2/31
Out: -185.237+/-306.825 χ²/NDF:36.8/33
All: -123.332+/-226.464 χ²/NDF: 62.1/65



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3458.396+/-0.704 χ^2/NDF:710331.9/15

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3453.872+/-0.687 χ^2/NDF:1022959.4/15

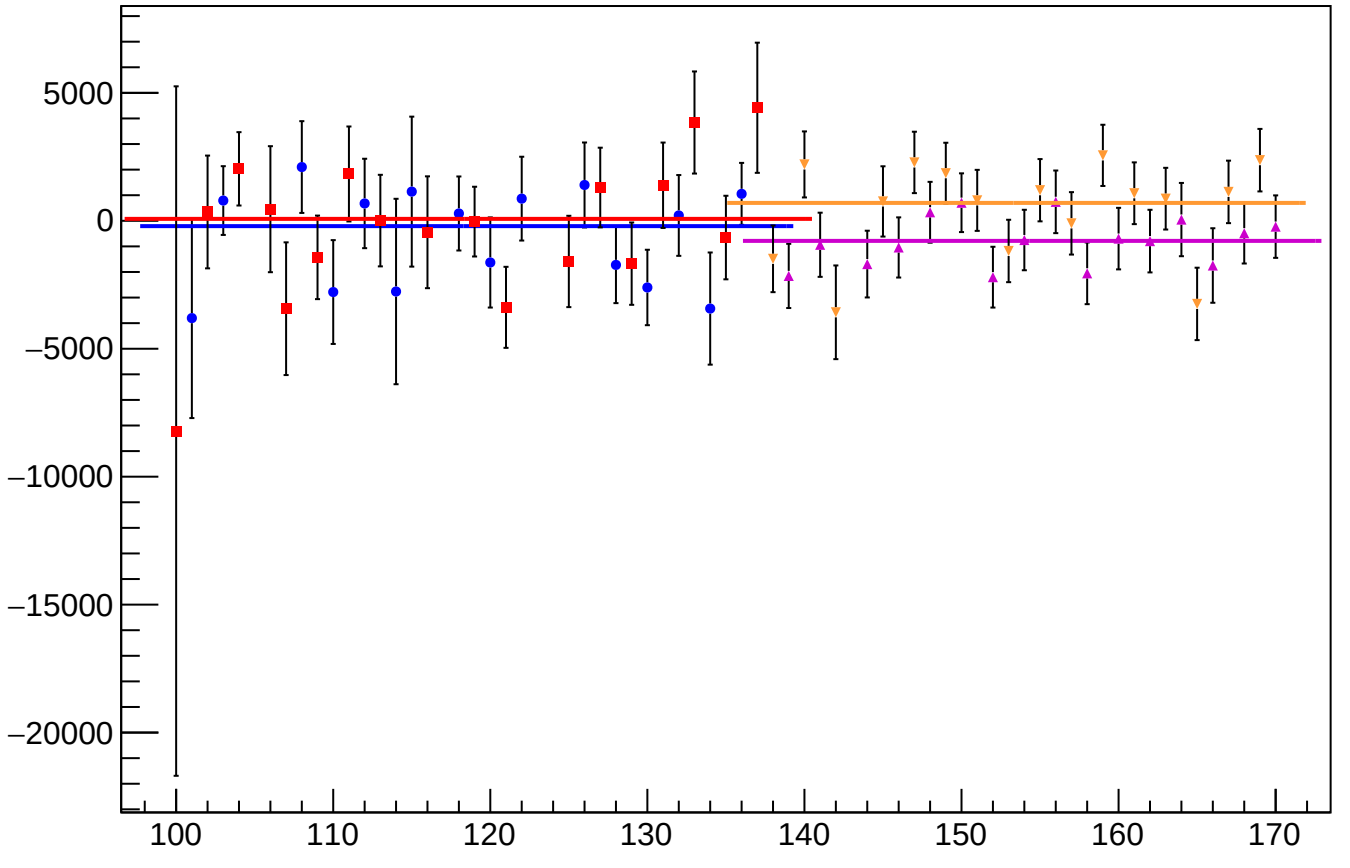
Left: 3456.081+/-0.492 χ^2/NDF: 1733312.4/31

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 891.293+/-0.237 χ^2/NDF:26489661.5/31

Out: 762.564+/-0.217 χ^2/NDF:26124100.5/33

All: 821.165+/-0.160 χ^2/NDF: 52774021.0/65



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 699.531+/-315.369 χ^2/NDF:27.6/15

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -784.683+/-308.085 χ^2/NDF:9.5/15

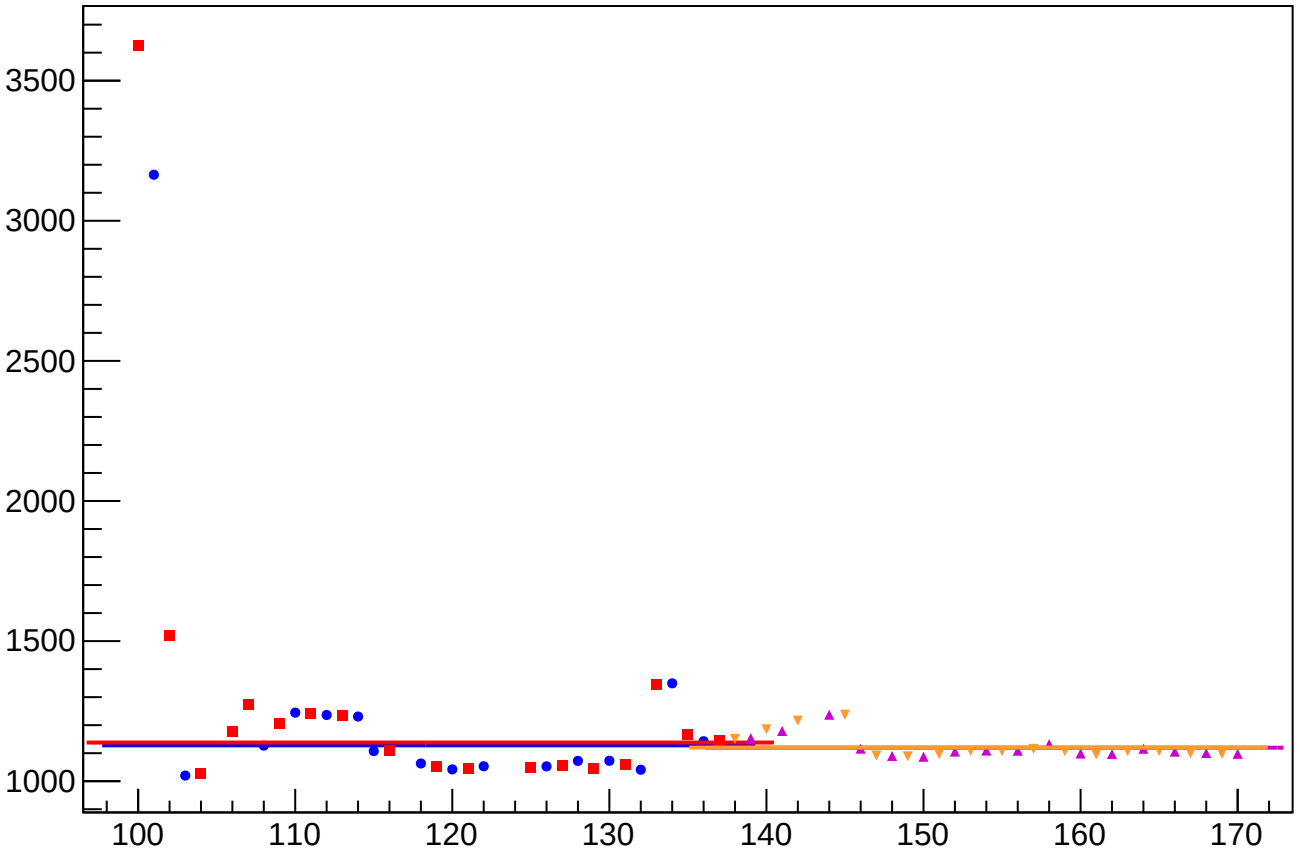
Left: -59.915+/-220.379 χ^2/NDF: 48.4/31

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -588.595+/-250.272 χ^2/NDF:25.4/31

Out: 481.860+/-254.462 χ^2/NDF:49.6/33

All: -62.254+/-178.432 χ^2/NDF: 84.0/65



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1120.056+/-0.223 χ^2/NDF:32606.8/15

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

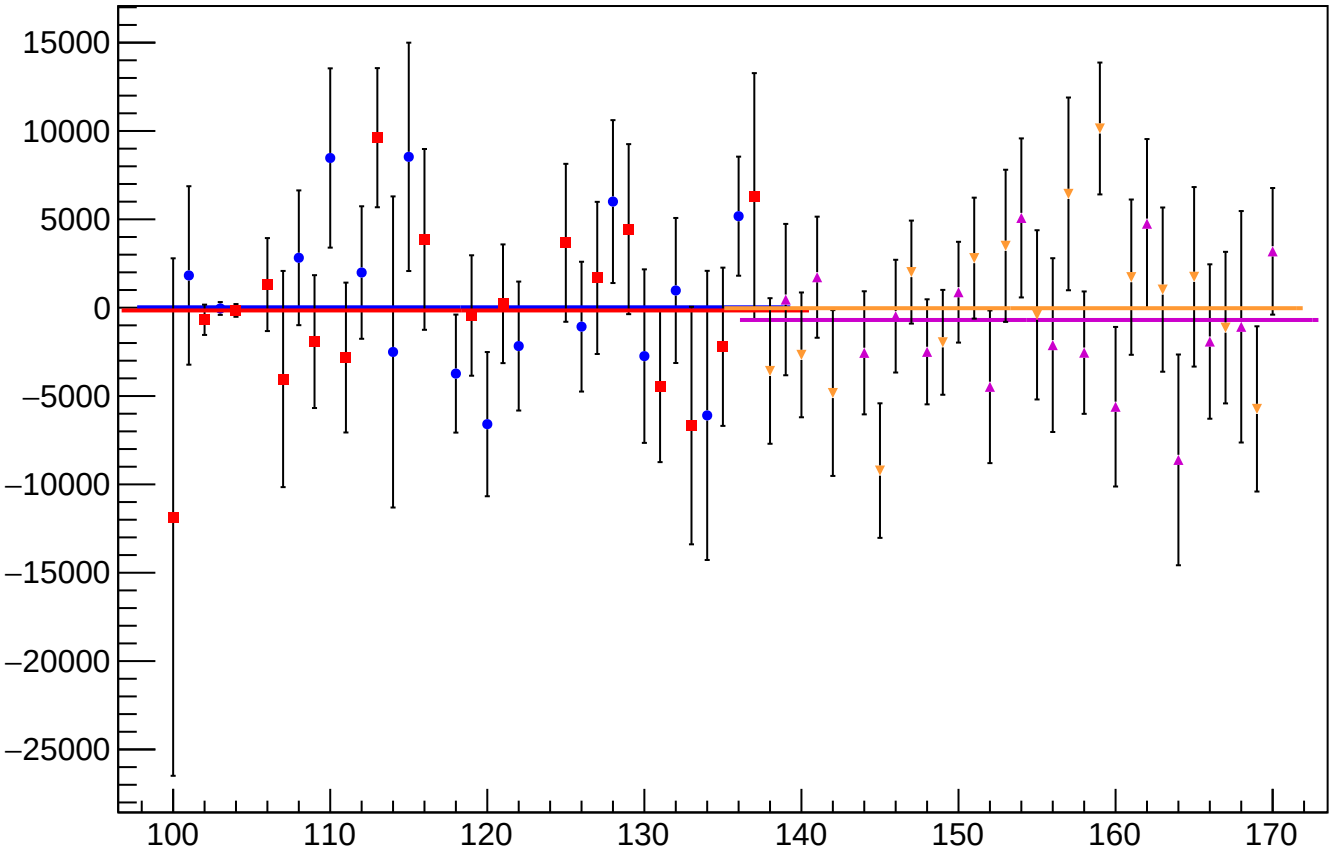
Left: 1119.821+/-0.156 χ^2/NDF: 61164.5/31

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1122.457+/-0.177 χ^2/NDF:650458.1/31

Out: 1126.322+/-0.180 χ^2/NDF:255492.3/33

All: 1124.358+/-0.126 χ^2/NDF: 906185.1/65



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -29.101+/-994.957 χ^2/NDF:21.2/15

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -695.889+/-971.987 χ^2/NDF:9.8/15

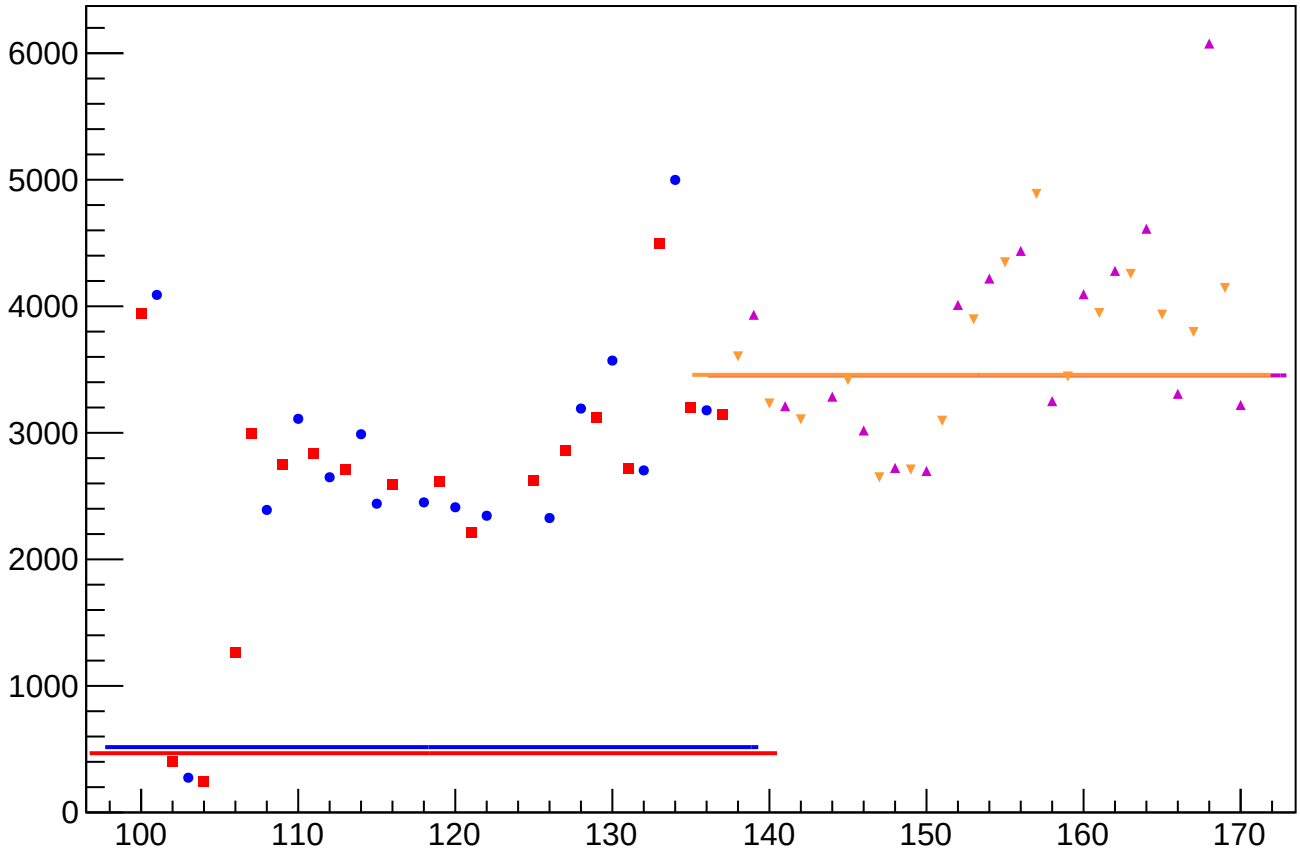
Left: -370.281+/-695.277 χ^2/NDF: 31.2/31

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -58.443+/-324.730 χ^2/NDF:25.2/31

Out: -144.490+/-302.358 χ^2/NDF:35.2/33

All: -104.532+/-221.286 χ^2/NDF: 60.4/65



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3458.396+/-0.704 χ^2/NDF:710338.9/15

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.869+/-0.687 χ^2/NDF:1022965.4/15

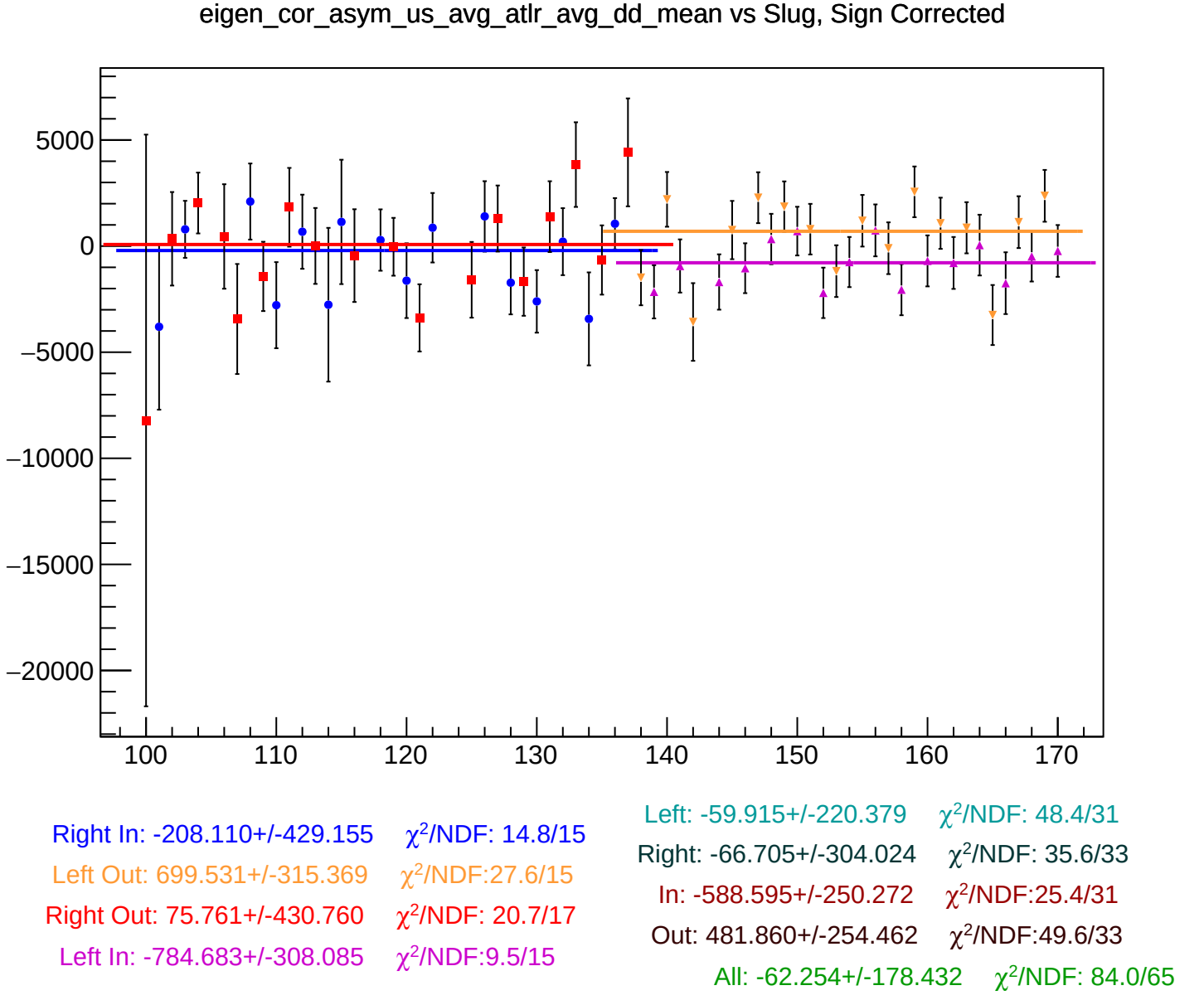
Left: 3456.080+/-0.492 χ^2/NDF: 1733325.5/31

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 844.174+/-0.230 χ^2/NDF:27086481.0/31

Out: 744.216+/-0.214 χ^2/NDF:26219159.6/33

All: 790.633+/-0.156 χ^2/NDF: 53407146.5/65


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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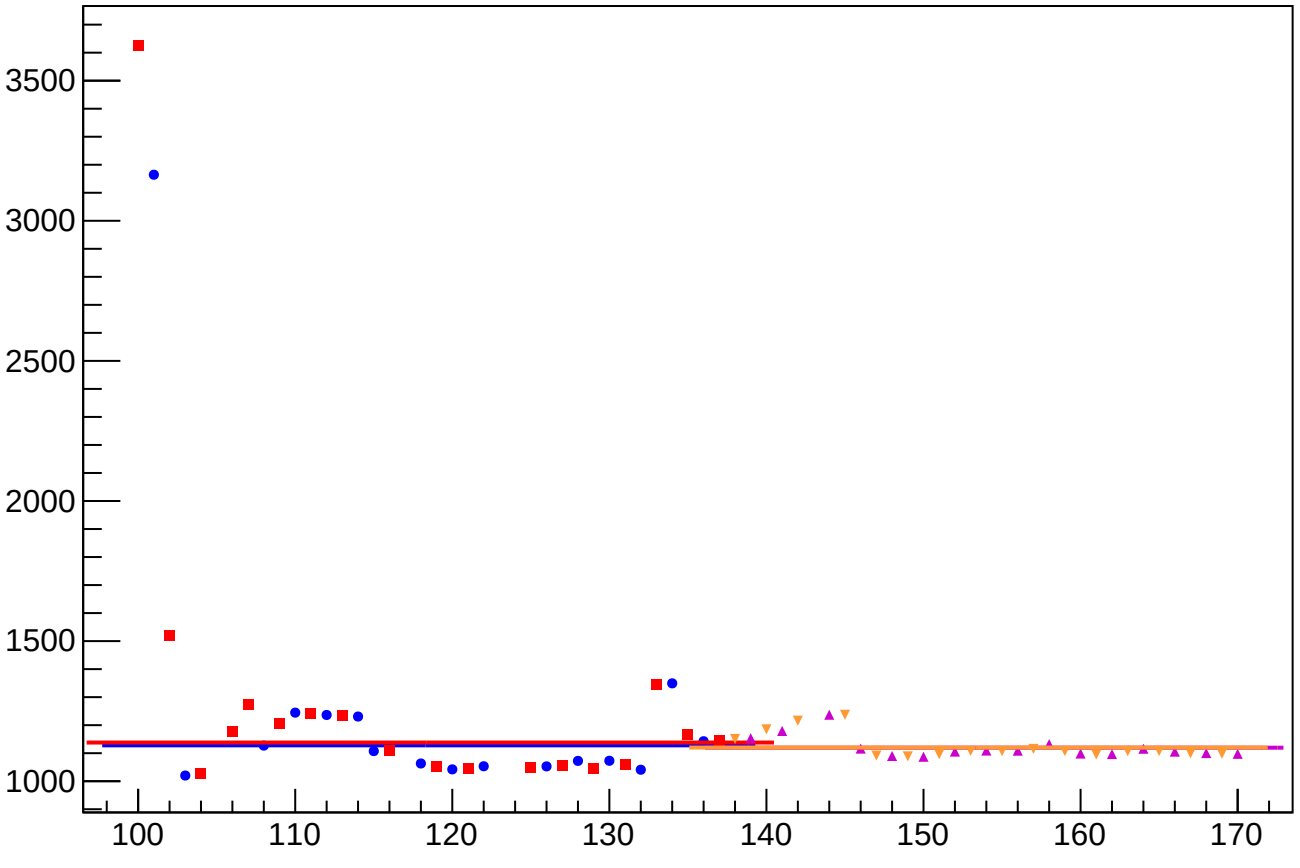
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 699.531+/-315.369 χ²/NDF:27.6/15
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -784.683+/-308.085 χ²/NDF:9.5/15
Left: -59.915+/-220.379 χ²/NDF: 48.4/31
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -588.595+/-250.272 χ²/NDF:25.4/31
Out: 481.860+/-254.462 χ²/NDF:49.6/33
All: -62.254+/-178.432 χ²/NDF: 84.0/65



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1120.056+/-0.223 χ^2/NDF:32606.8/15

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

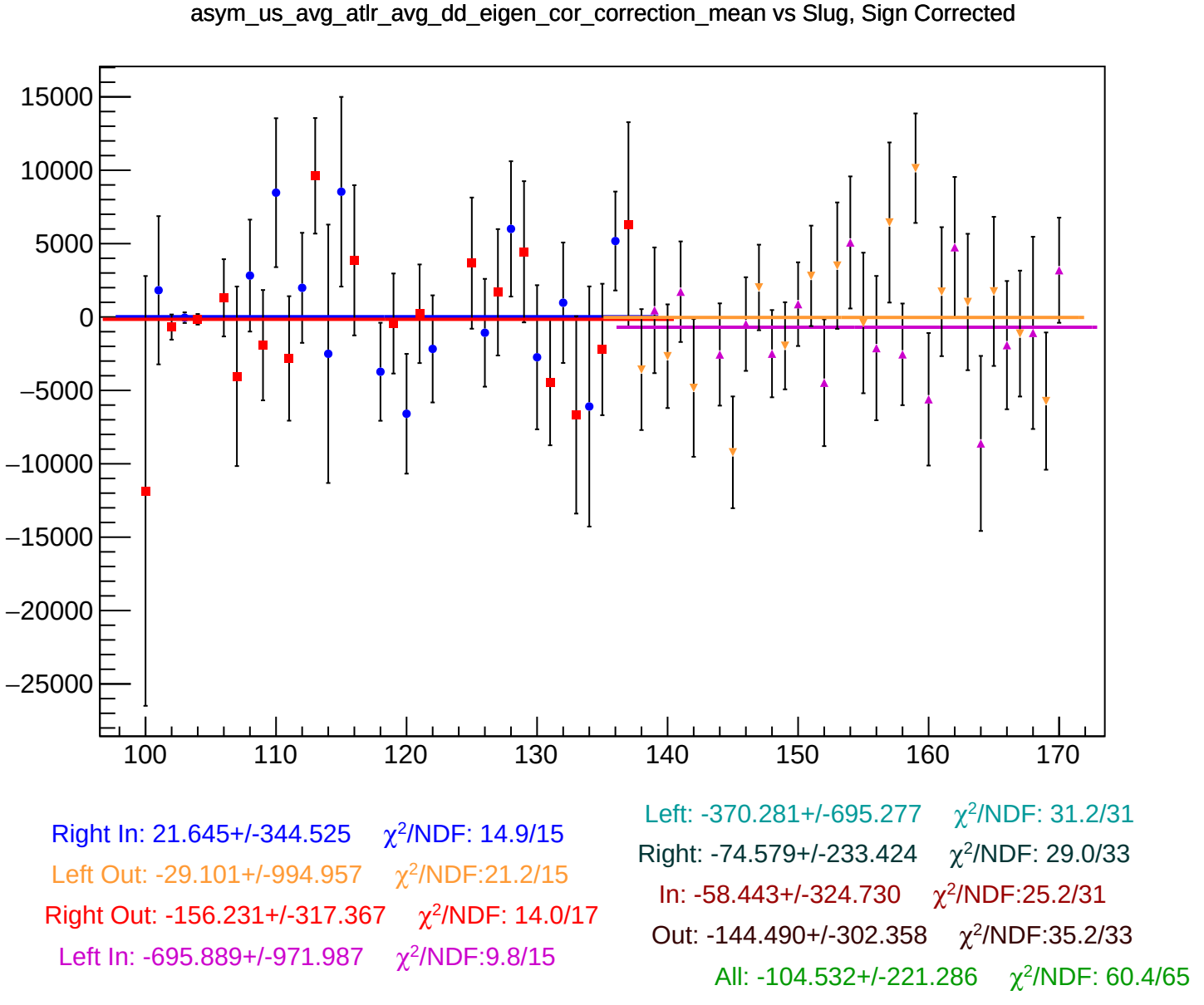
Left: 1119.821+/-0.156 χ^2/NDF: 61164.5/31

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1122.457+/-0.177 χ^2/NDF:650458.1/31

Out: 1126.322+/-0.180 χ^2/NDF:255492.3/33

All: 1124.358+/-0.126 χ^2/NDF: 906185.1/65


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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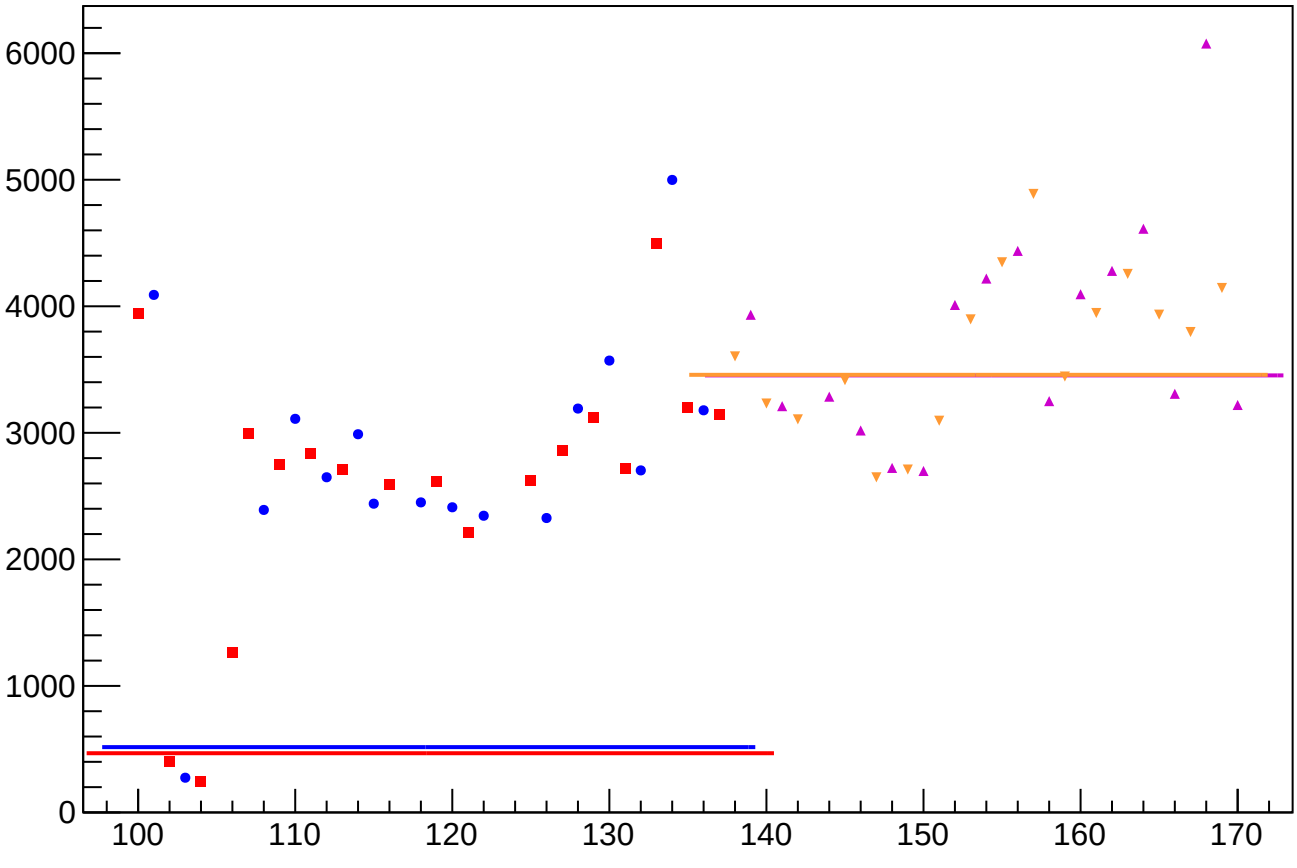
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -29.101+/-994.957 χ²/NDF:21.2/15
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -695.889+/-971.987 χ²/NDF:9.8/15
Left: -370.281+/-695.277 χ²/NDF: 31.2/31
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -58.443+/-324.730 χ²/NDF:25.2/31
Out: -144.490+/-302.358 χ²/NDF:35.2/33
All: -104.532+/-221.286 χ²/NDF: 60.4/65



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3458.396+/-0.704 χ^2/NDF:710338.9/15

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.869+/-0.687 χ^2/NDF:1022965.4/15

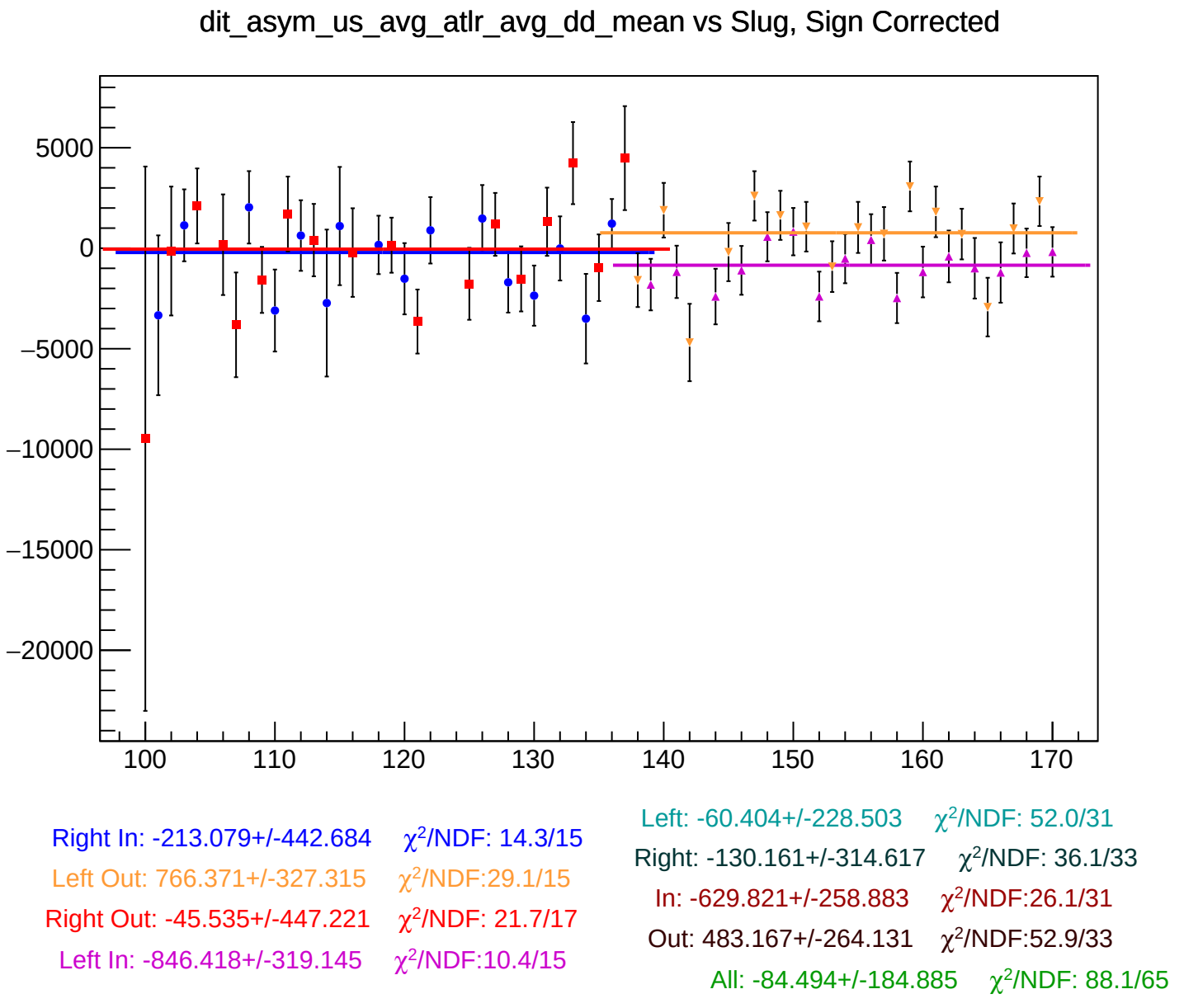
Left: 3456.080+/-0.492 χ^2/NDF: 1733325.5/31

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 844.174+/-0.230 χ^2/NDF:27086481.0/31

Out: 744.216+/-0.214 χ^2/NDF:26219159.6/33

All: 790.633+/-0.156 χ^2/NDF: 53407146.5/65


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
100
110
120
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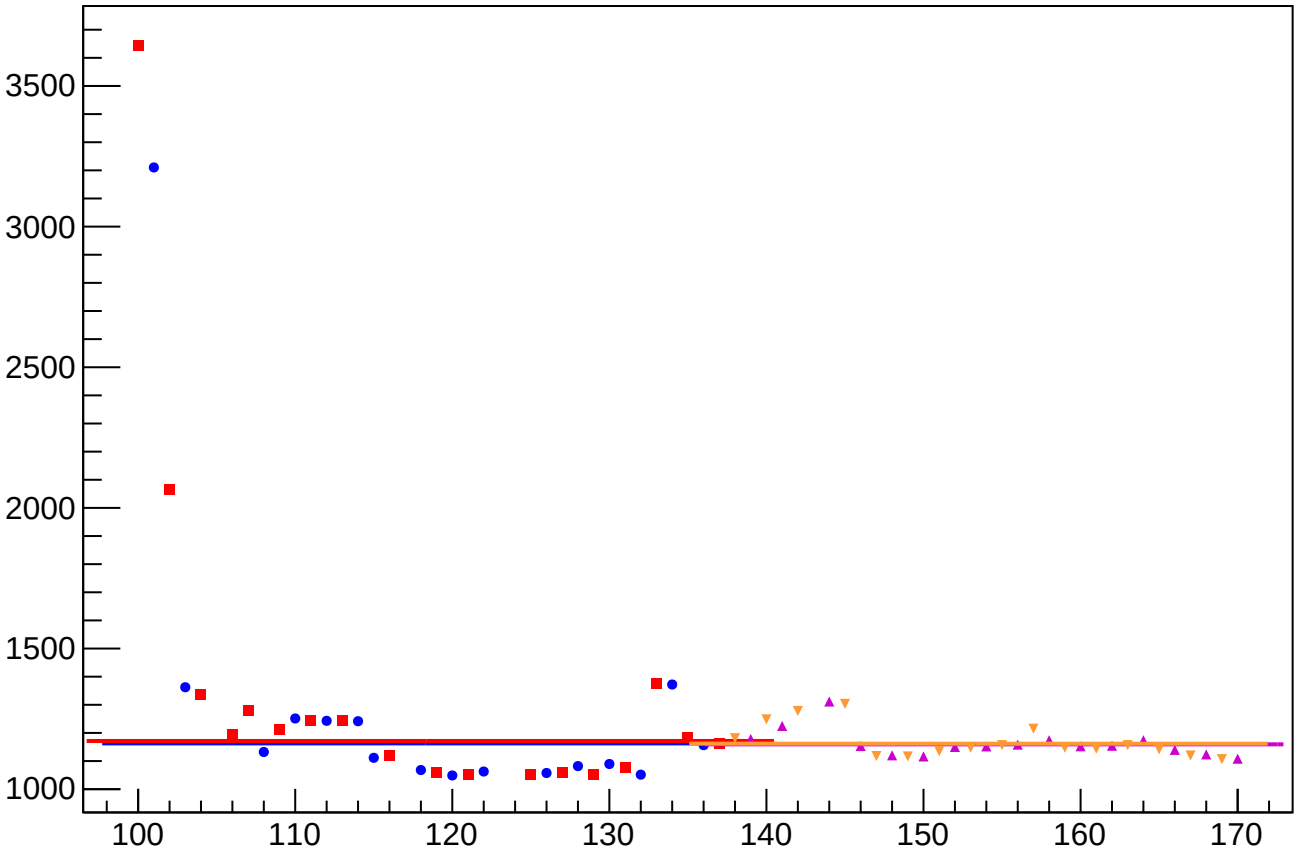
140
150
160
170
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 766.371+/-327.315 χ²/NDF:29.1/15
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -846.418+/-319.145 χ²/NDF:10.4/15
Left: -60.404+/-228.503 χ²/NDF: 52.0/31
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -629.821+/-258.883 χ²/NDF:26.1/31
Out: 483.167+/-264.131 χ²/NDF:52.9/33
All: -84.494+/-184.885 χ²/NDF: 88.1/65



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1161.828+/-0.231 χ^2/NDF:52031.8/15

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1159.388+/-0.226 χ^2/NDF:40783.2/15

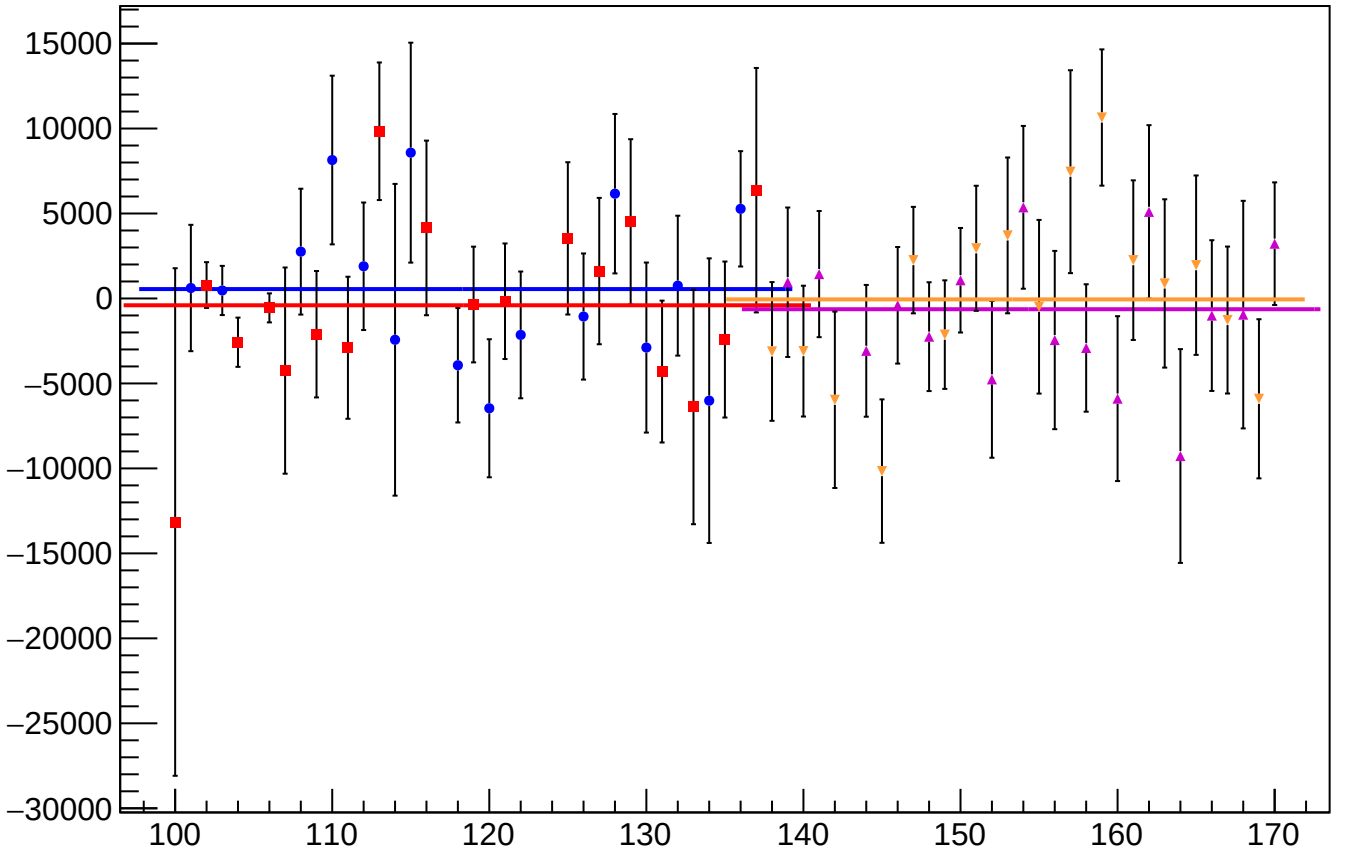
Left: 1160.577+/-0.162 χ^2/NDF: 92871.9/31

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1160.573+/-0.183 χ^2/NDF:676217.1/31

Out: 1165.176+/-0.187 χ^2/NDF:384272.1/33

All: 1162.829+/-0.131 χ^2/NDF: 1060799.2/65



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -53.418+/-1058.917 χ^2/NDF:21.3/15

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -633.685+/-1035.139 χ^2/NDF:9.7/15

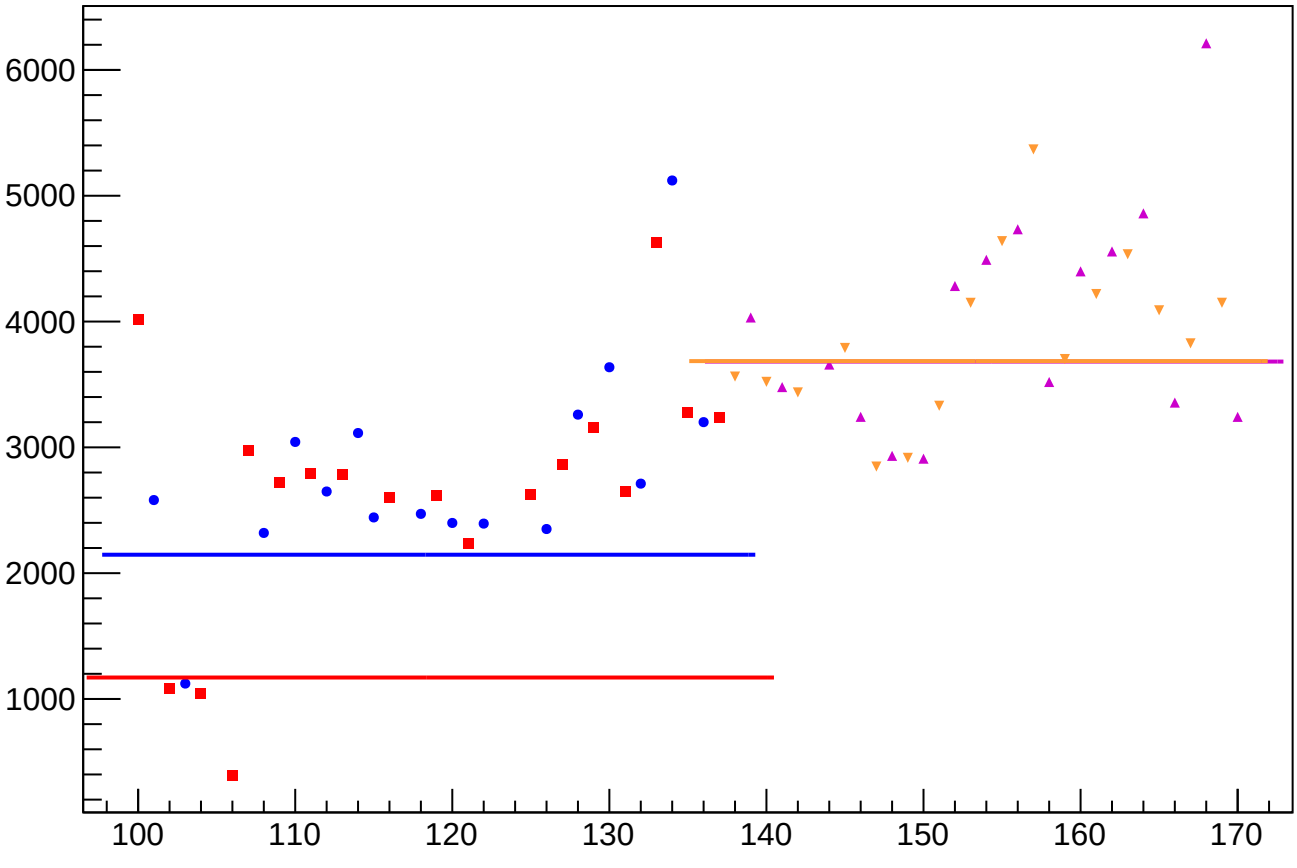
Left: -350.140+/-740.217 χ^2/NDF: 31.2/31

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 58.743+/-667.856 χ^2/NDF:24.9/31

Out: -323.348+/-499.079 χ^2/NDF:38.1/33

All: -186.433+/-399.784 χ^2/NDF: 63.2/65



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3685.538+/-0.749 χ^2/NDF:655928.4/15

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3681.917+/-0.732 χ^2/NDF:960909.2/15

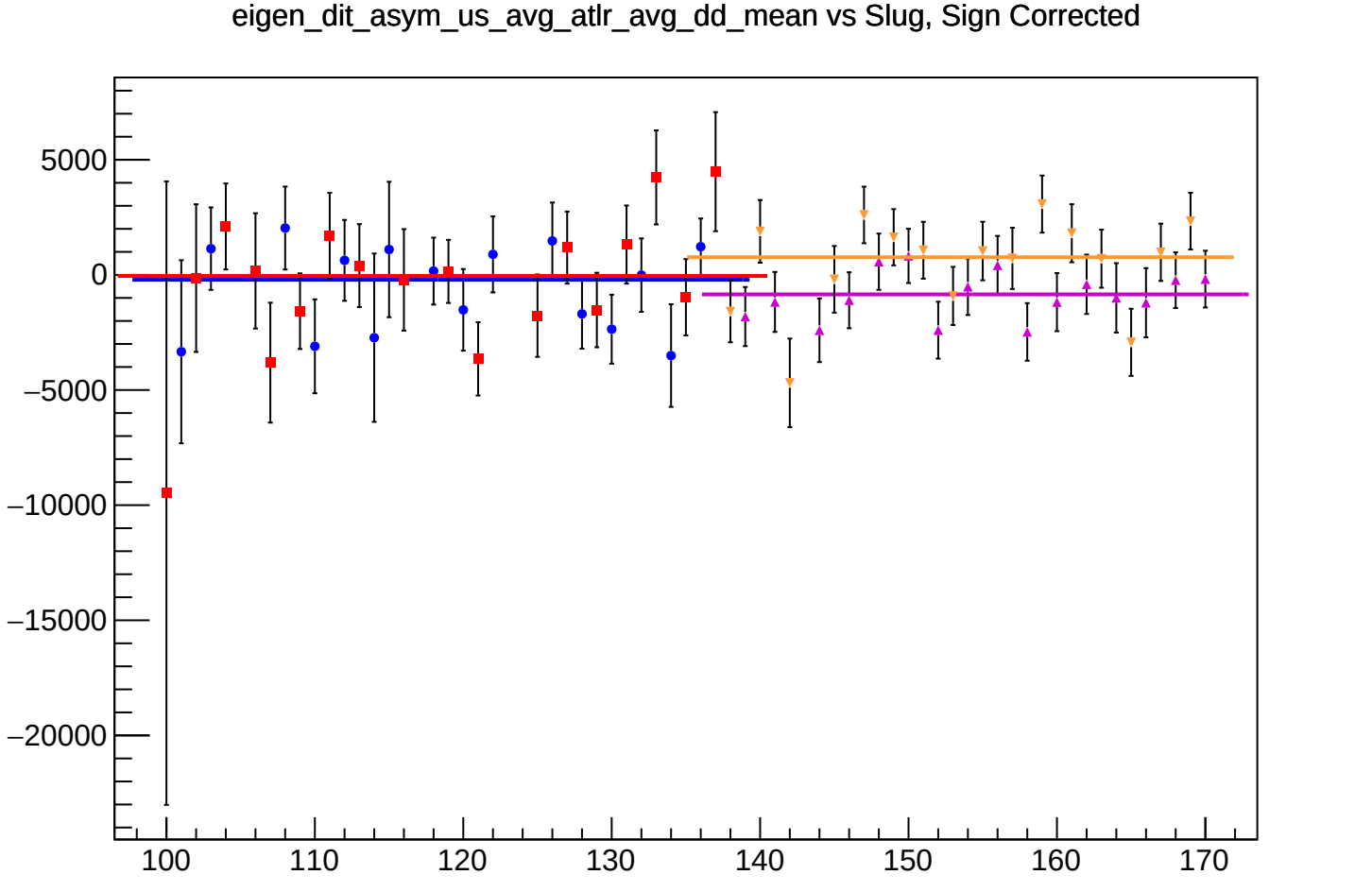
Left: 3683.686+/-0.523 χ^2/NDF: 1616849.6/31

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2785.707+/-0.472 χ^2/NDF:5503877.3/31

Out: 1729.233+/-0.353 χ^2/NDF:15248964.0/33

All: 2107.800+/-0.283 χ^2/NDF: 23964227.7/6



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 766.374+/-327.316 χ^2/NDF:29.1/15

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -846.419+/-319.145 χ^2/NDF:10.4/15

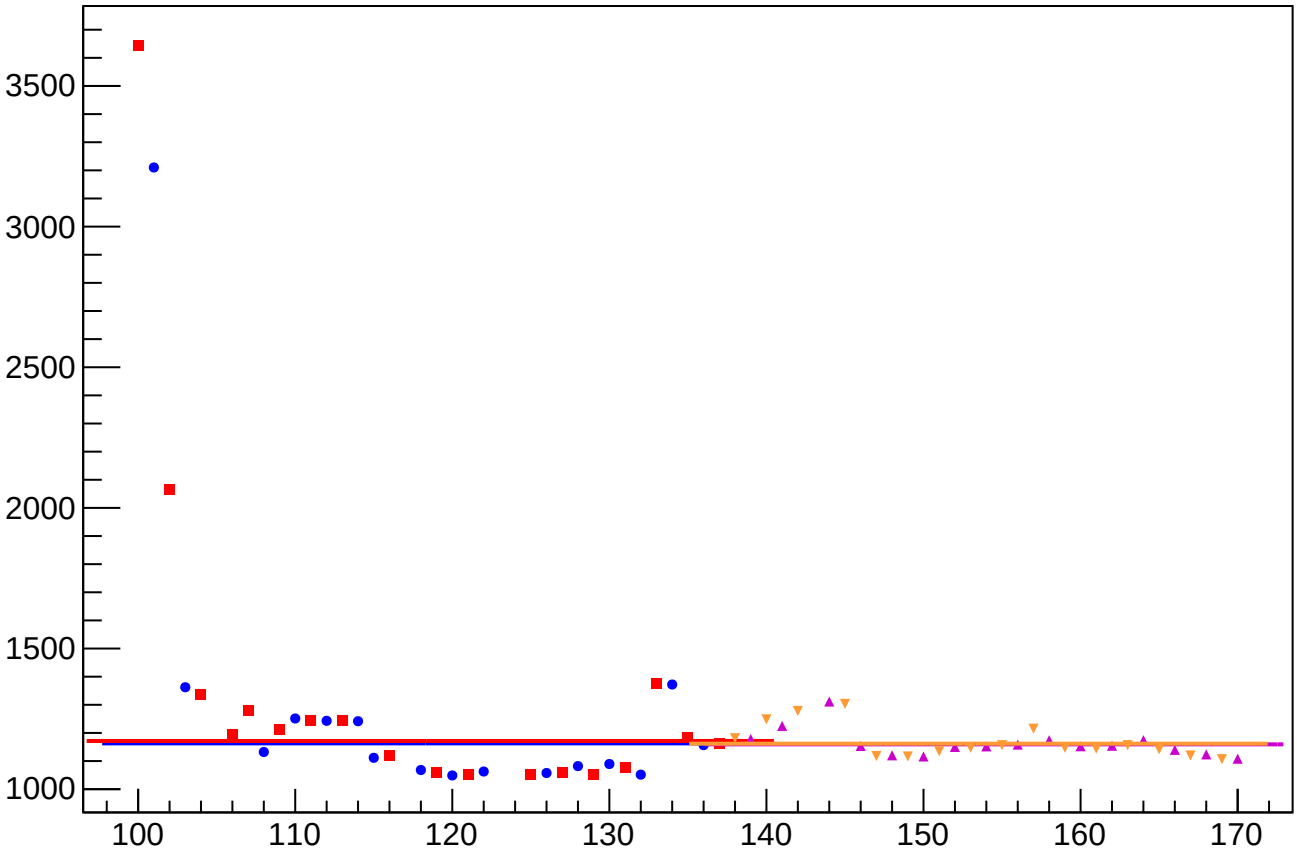
Left: -60.403+/-228.504 χ^2/NDF: 52.0/31

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -629.821+/-258.883 χ^2/NDF:26.1/31

Out: 483.167+/-264.131 χ^2/NDF:52.9/33

All: -84.494+/-184.885 χ^2/NDF: 88.1/65



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1161.829+/-0.231 χ^2/NDF:52032.3/15

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1159.389+/-0.226 χ^2/NDF:40783.5/15

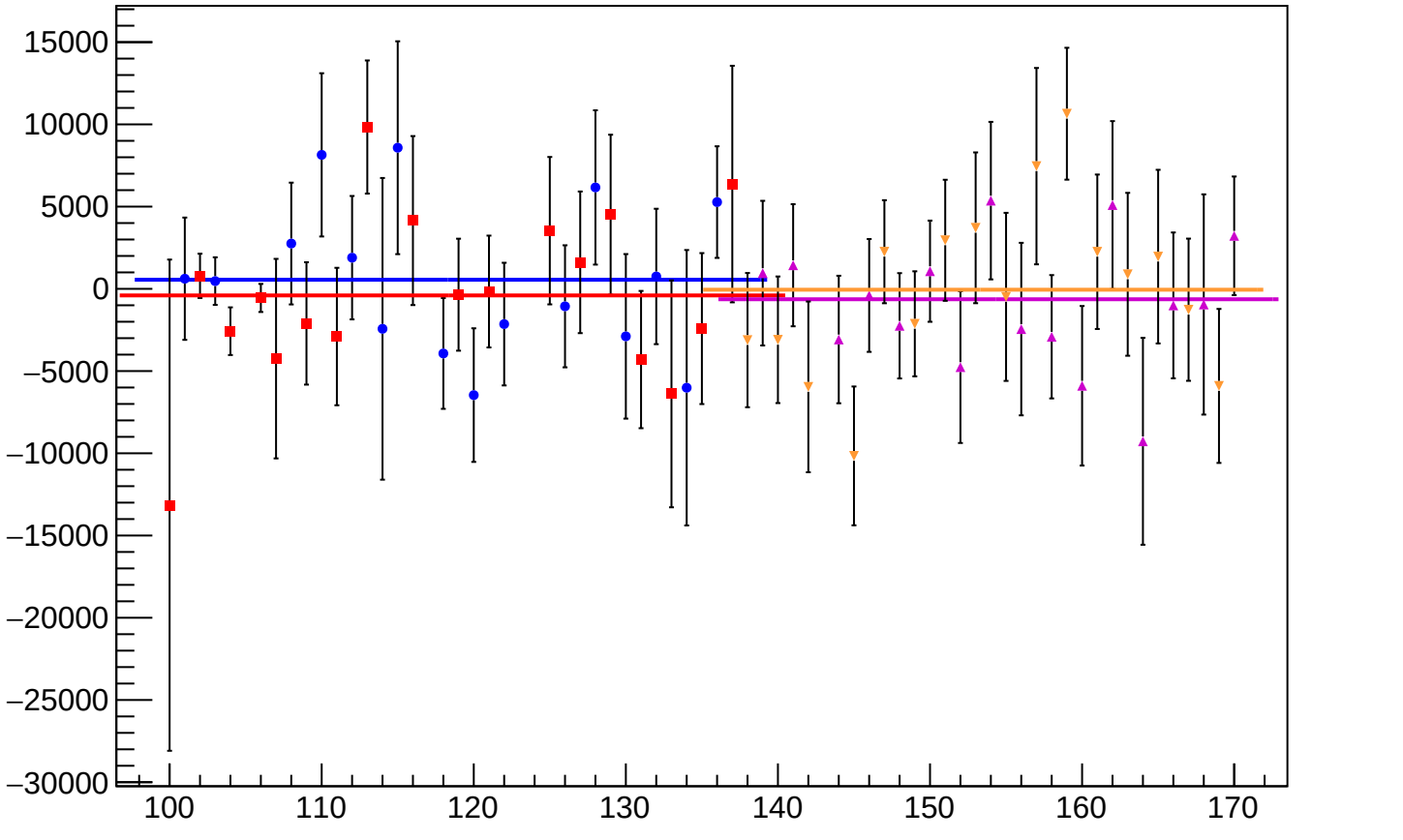
Left: 1160.578+/-0.162 χ^2/NDF: 92872.7/31

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1160.573+/-0.183 χ^2/NDF:676217.5/31

Out: 1165.177+/-0.187 χ^2/NDF:384272.2/33

All: 1162.829+/-0.131 χ^2/NDF: 1060799.6/65



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -53.419+/-1058.918 χ^2/NDF:21.3/15

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -633.683+/-1035.140 χ^2/NDF:9.7/15

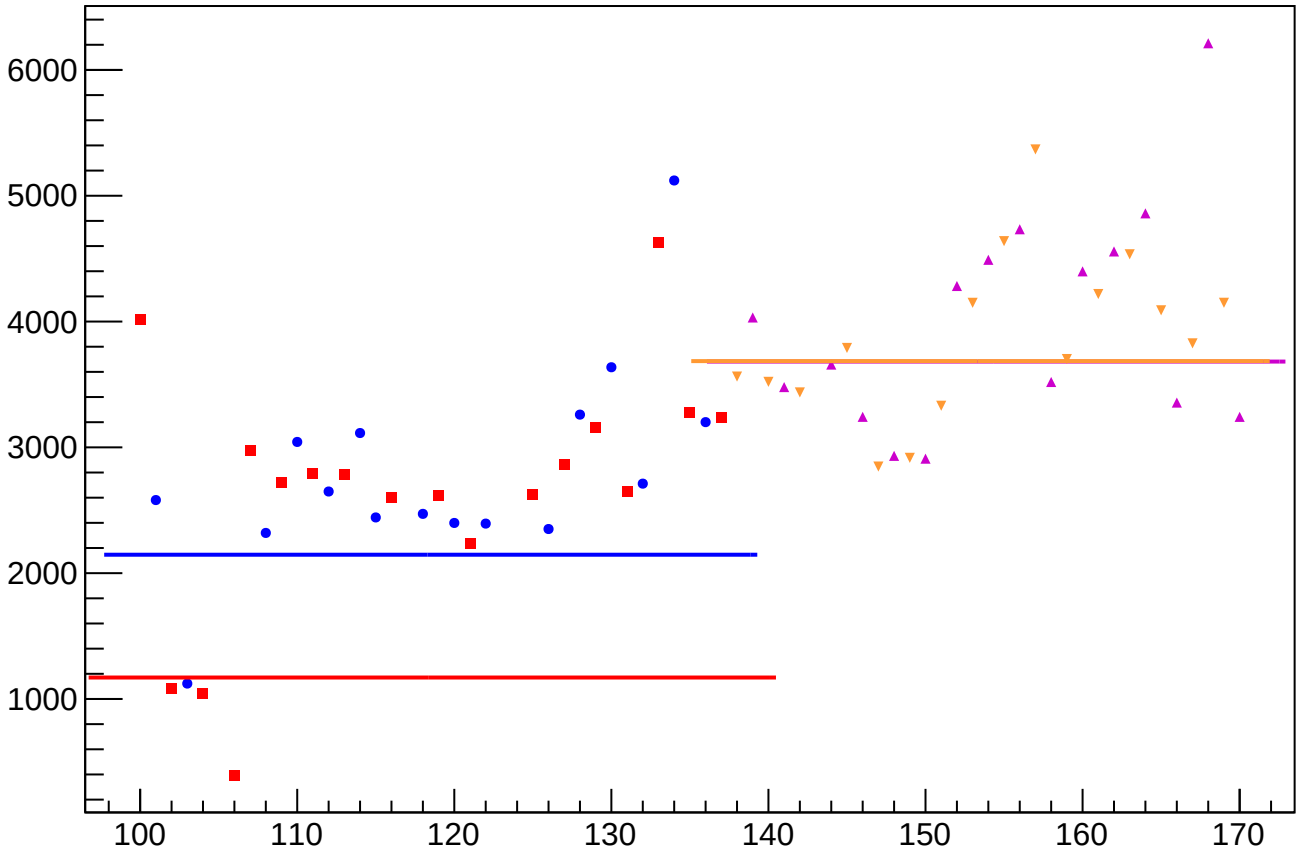
Left: -350.139+/-740.218 χ^2/NDF: 31.2/31

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 58.742+/-667.856 χ^2/NDF:24.9/31

Out: -323.351+/-499.075 χ^2/NDF:38.1/33

All: -186.437+/-399.781 χ^2/NDF: 63.2/65



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3685.542+/-0.749 χ^2/NDF:655930.3/15

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3681.921+/-0.732 χ^2/NDF:960911.8/15

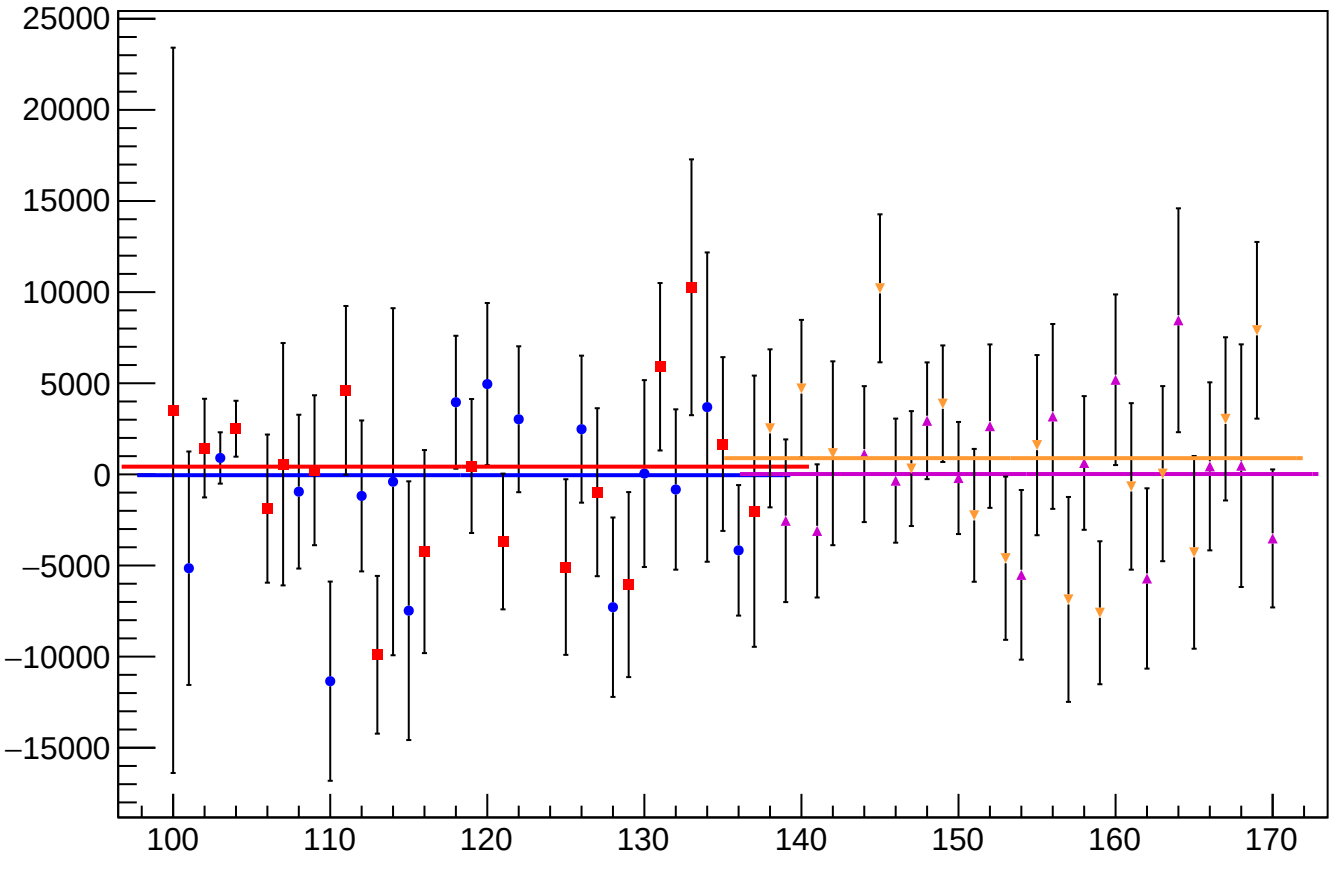
Left: 3683.691+/-0.523 χ^2/NDF: 1616854.1/31

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2785.705+/-0.472 χ^2/NDF:5503899.7/31

Out: 1729.205+/-0.353 χ^2/NDF:15249315.1/33

All: 2107.777+/-0.283 χ^2/NDF: 23964784.4/6


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
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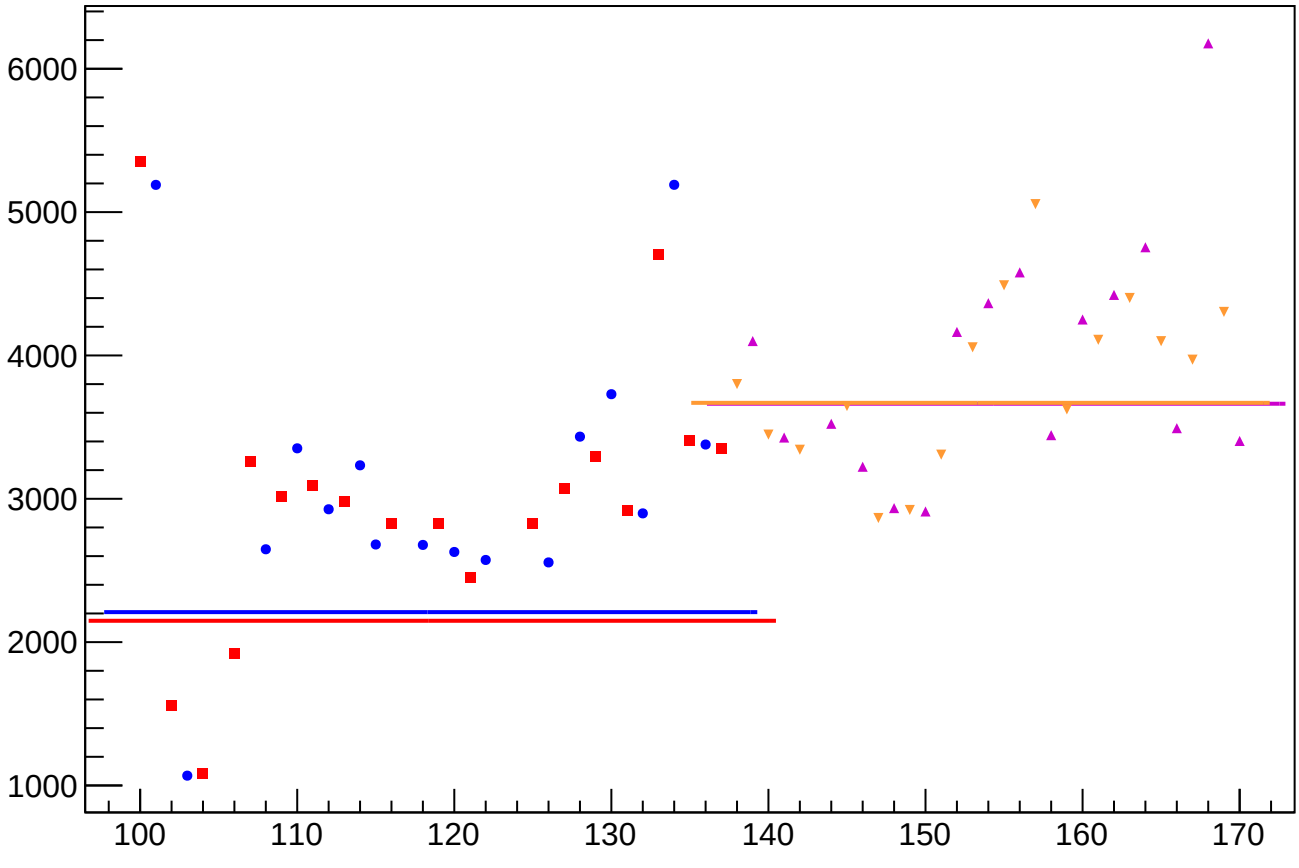
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 889.903+/-1051.717 χ²/NDF:19.6/15
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: 18.380+/-1027.196 χ²/NDF:9.5/15
Left: 443.864+/-734.853 χ²/NDF: 29.5/31
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -16.694+/-685.618 χ²/NDF:23.2/31
Out: 619.823+/-682.368 χ²/NDF:37.1/33
All: 303.077+/-483.652 χ²/NDF: 60.8/65


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
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2000
1000
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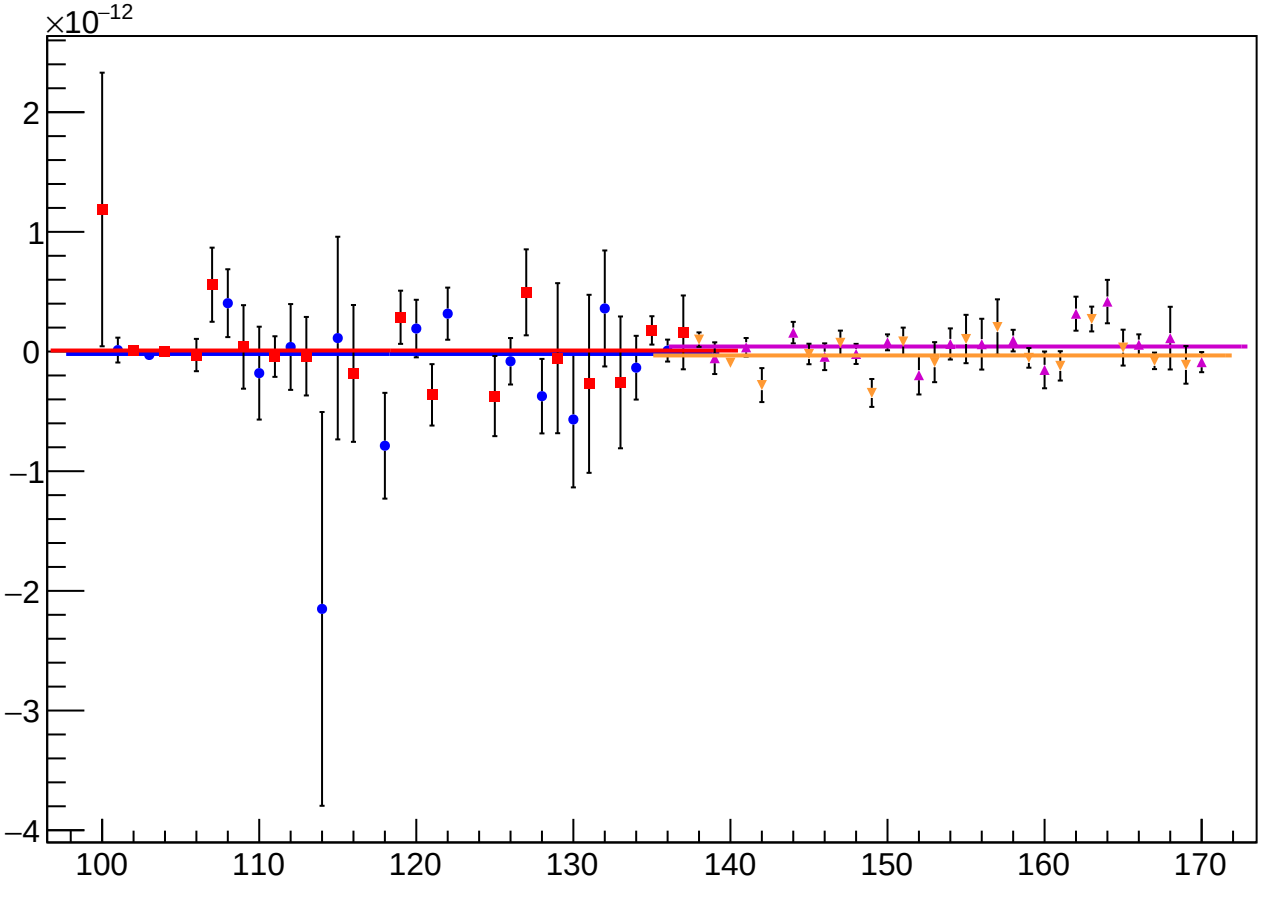
110
120
130
140
150
160
170
Right In: 2209.349+/-0.651 χ²/NDF: 2836875.7/15
Left Out: 3669.396+/-0.744 χ²/NDF:589212.5/15
Right Out: 2148.948+/-0.633 χ²/NDF: 2269660.8/17
Left In: 3663.148+/-0.726 χ²/NDF:868370.3/15
Left: 3666.199+/-0.520 χ²/NDF: 1457618.9/31
Right: 2178.279+/-0.454 χ²/NDF: 5110964.0/33
In: 2857.029+/-0.485 χ²/NDF:5926646.7/31
Out: 2787.220+/-0.482 χ²/NDF:5284137.7/33
All: 2821.910+/-0.342 χ²/NDF: 11221214.9/6

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:31.0/15

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

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

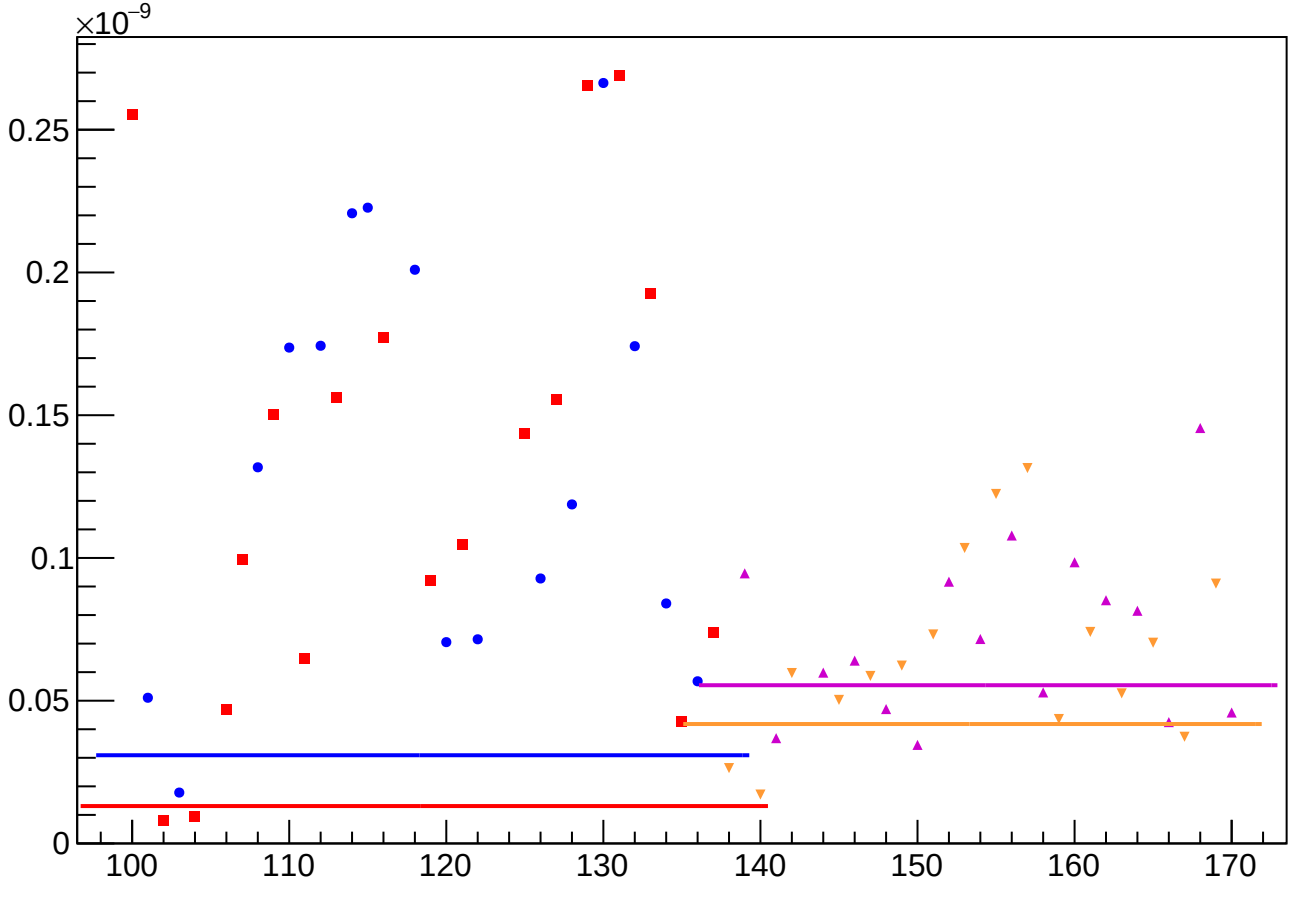
Left: -0.000+/-0.000 χ^2/NDF: 54.0/31

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:34.9/31

Out: -0.000+/-0.000 χ^2/NDF:47.4/33

All: 0.000+/-0.000 χ^2/NDF: 82.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2501753.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1371909.3/15

Left: 0.000+/-0.000 χ^2/NDF: 4183250.0/31

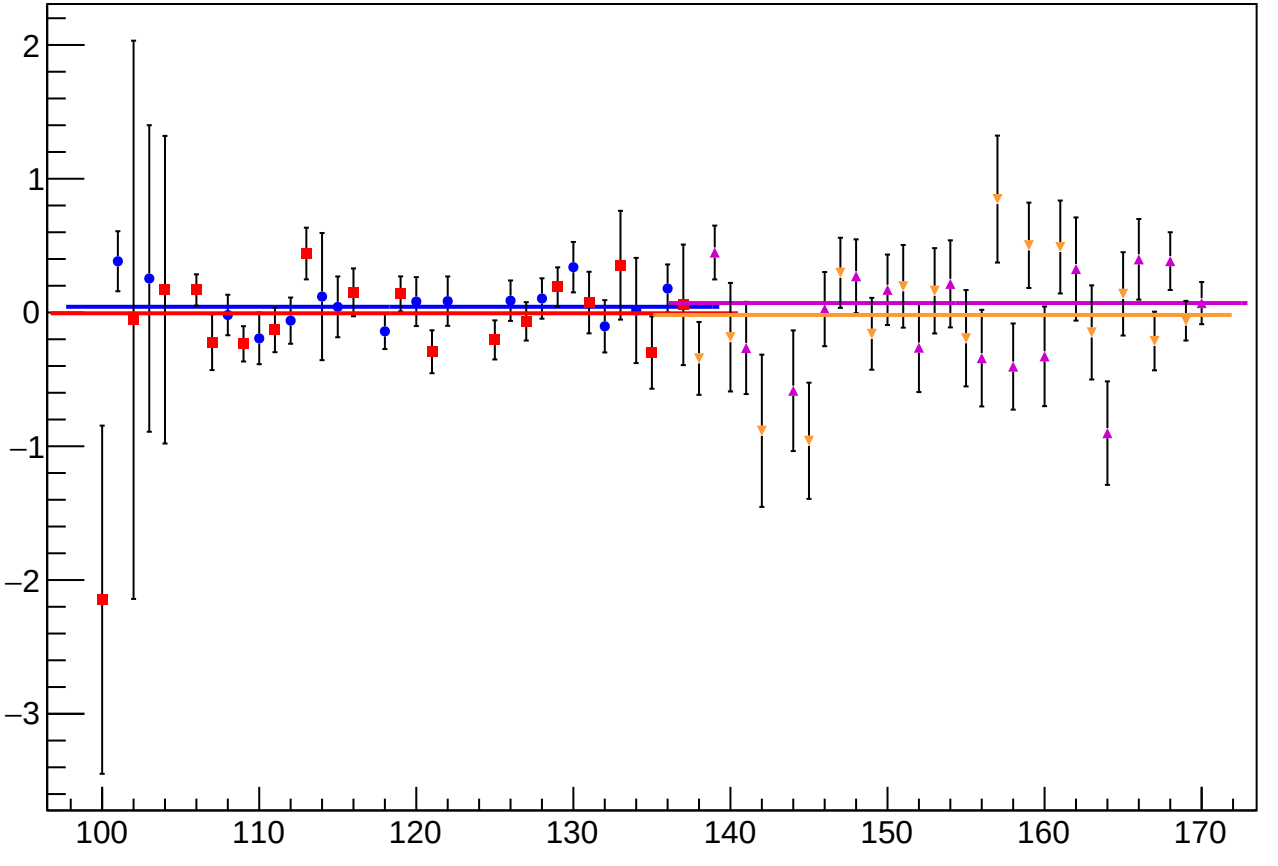
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5268772.2/31

Out: 0.000+/-0.000 χ^2/NDF:8436863.7/33

All: 0.000+/-0.000 χ^2/NDF: 15498227.5/65

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: -0.018+/-0.072 χ^2/NDF:20.8/15

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.069 χ^2/NDF:23.1/15

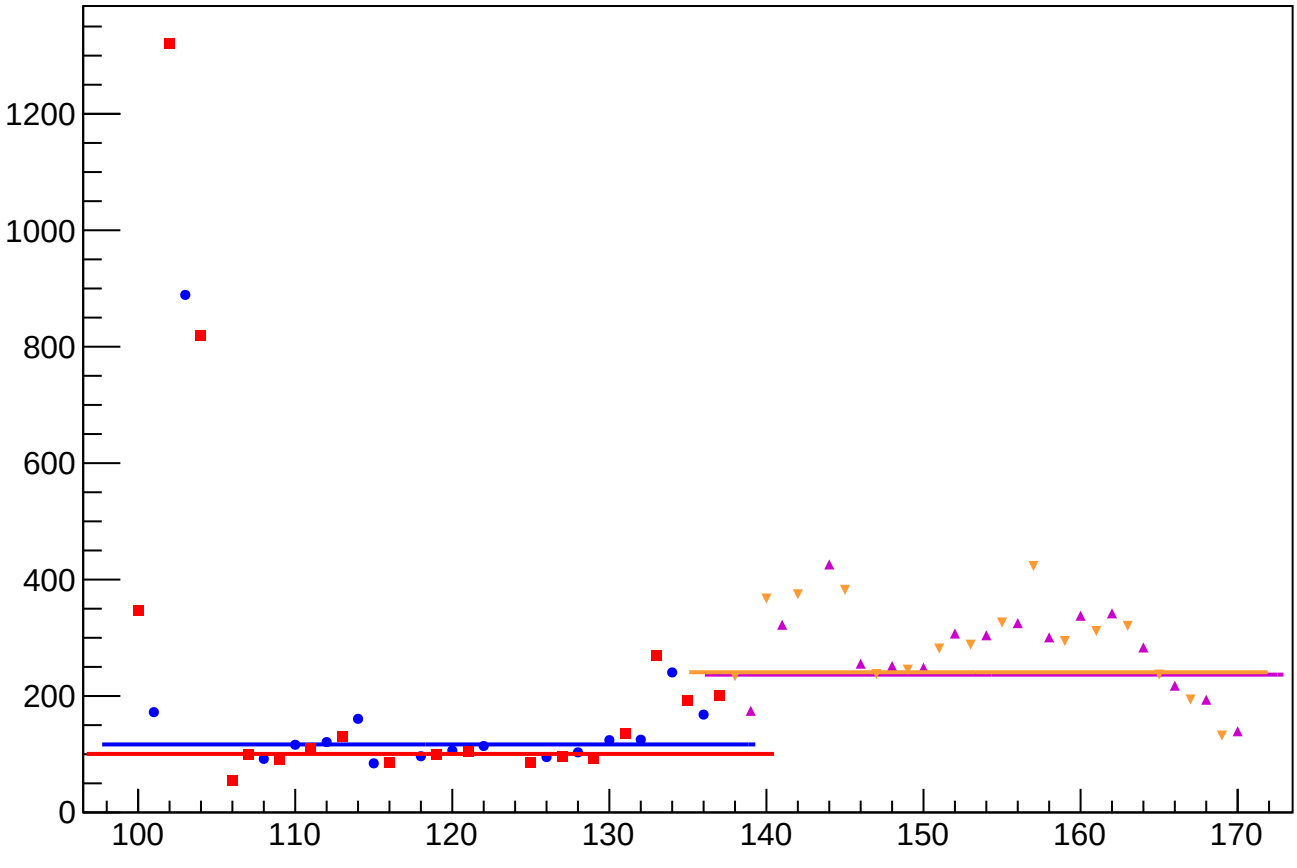
Left: 0.028+/-0.050 χ^2/NDF: 44.7/31

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: -0.009+/-0.037 χ^2/NDF:46.8/33

All: 0.020+/-0.027 χ^2/NDF: 81.6/65



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 240.804+/-0.051 χ^2/NDF:2418142.0/15

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.734+/-0.049 χ^2/NDF:2237149.8/15

Left: 238.687+/-0.035 χ^2/NDF: 4658596.0/31

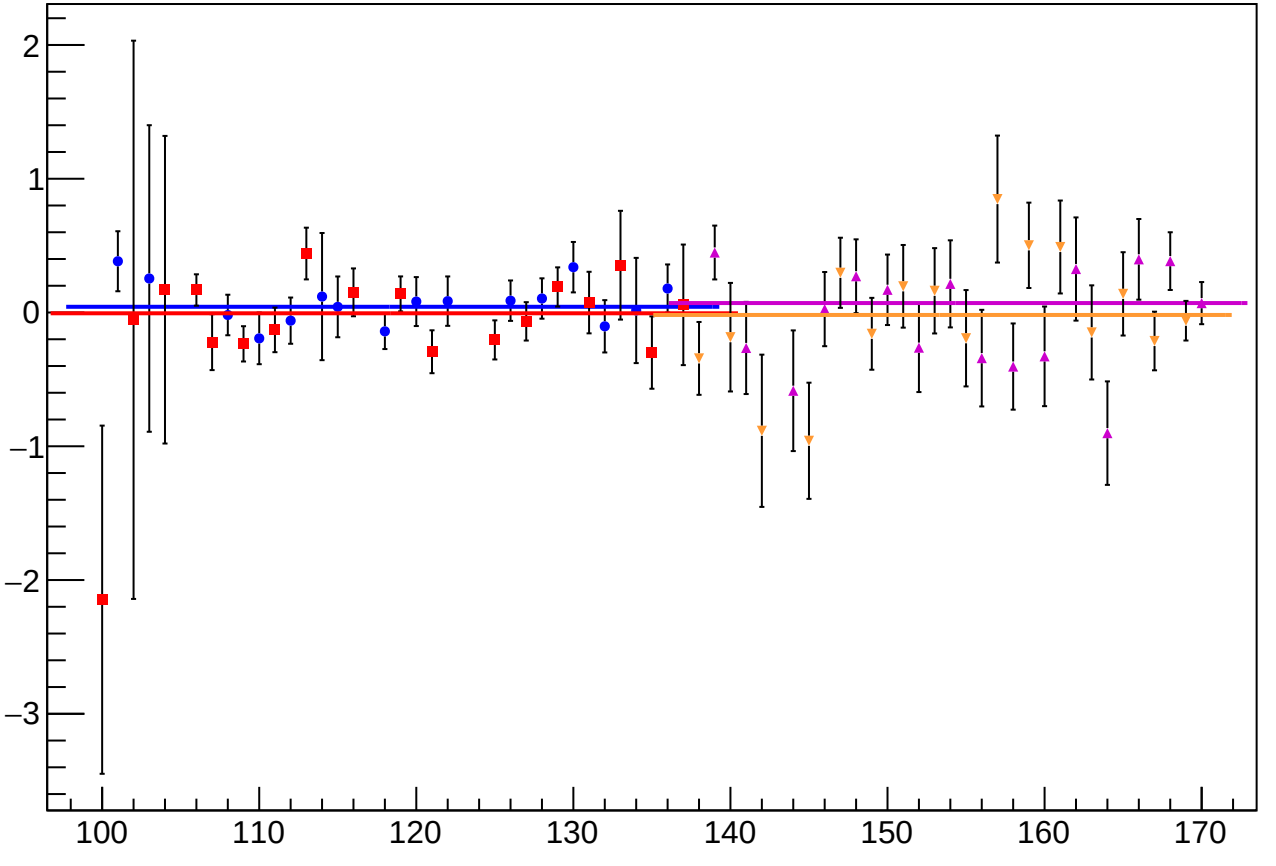
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 155.072+/-0.028 χ^2/NDF:7926913.5/31

Out: 137.725+/-0.026 χ^2/NDF:10624562.0/33

All: 145.948+/-0.019 χ^2/NDF: 18757769.6/65

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: -0.018+/-0.072 χ^2/NDF:20.8/15

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.069 χ^2/NDF:23.1/15

Left: 0.028+/-0.050 χ^2/NDF: 44.7/31

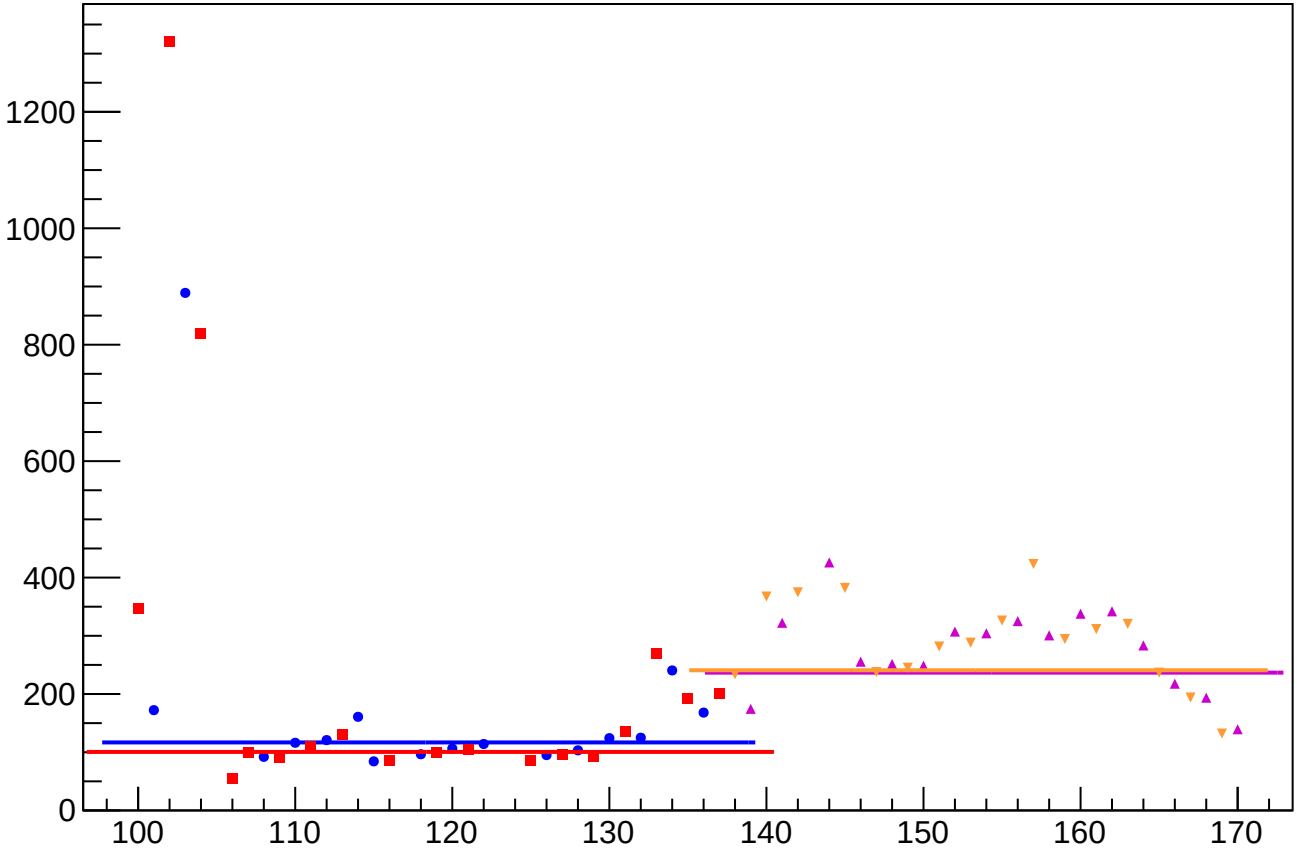
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: -0.009+/-0.037 χ^2/NDF:46.8/33

All: 0.020+/-0.027 χ^2/NDF: 81.6/65

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 240.804+/-0.051 χ^2/NDF:2418142.0/15

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.734+/-0.049 χ^2/NDF:2237149.8/15

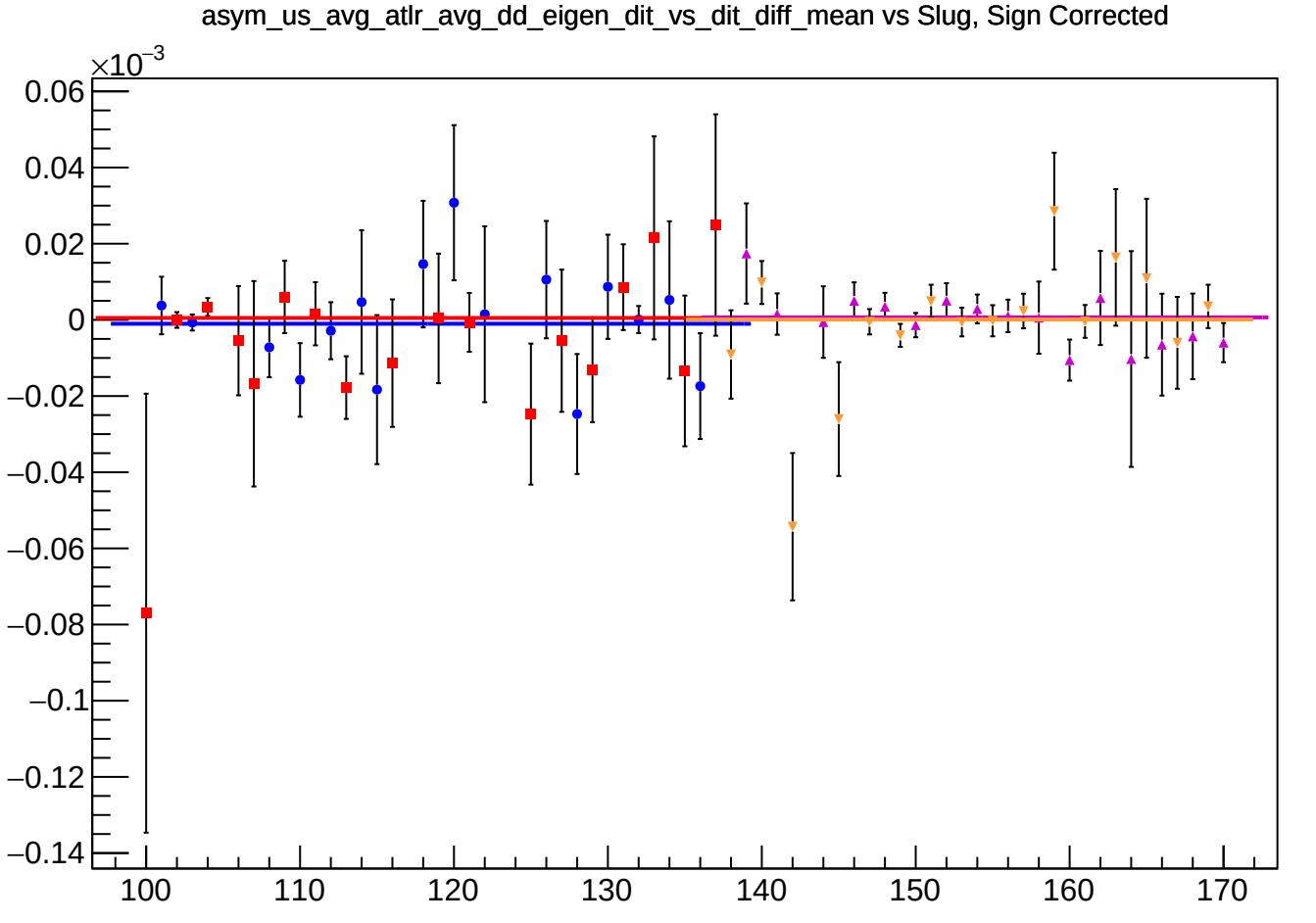
Left: 238.687+/-0.035 χ^2/NDF: 4658596.0/31

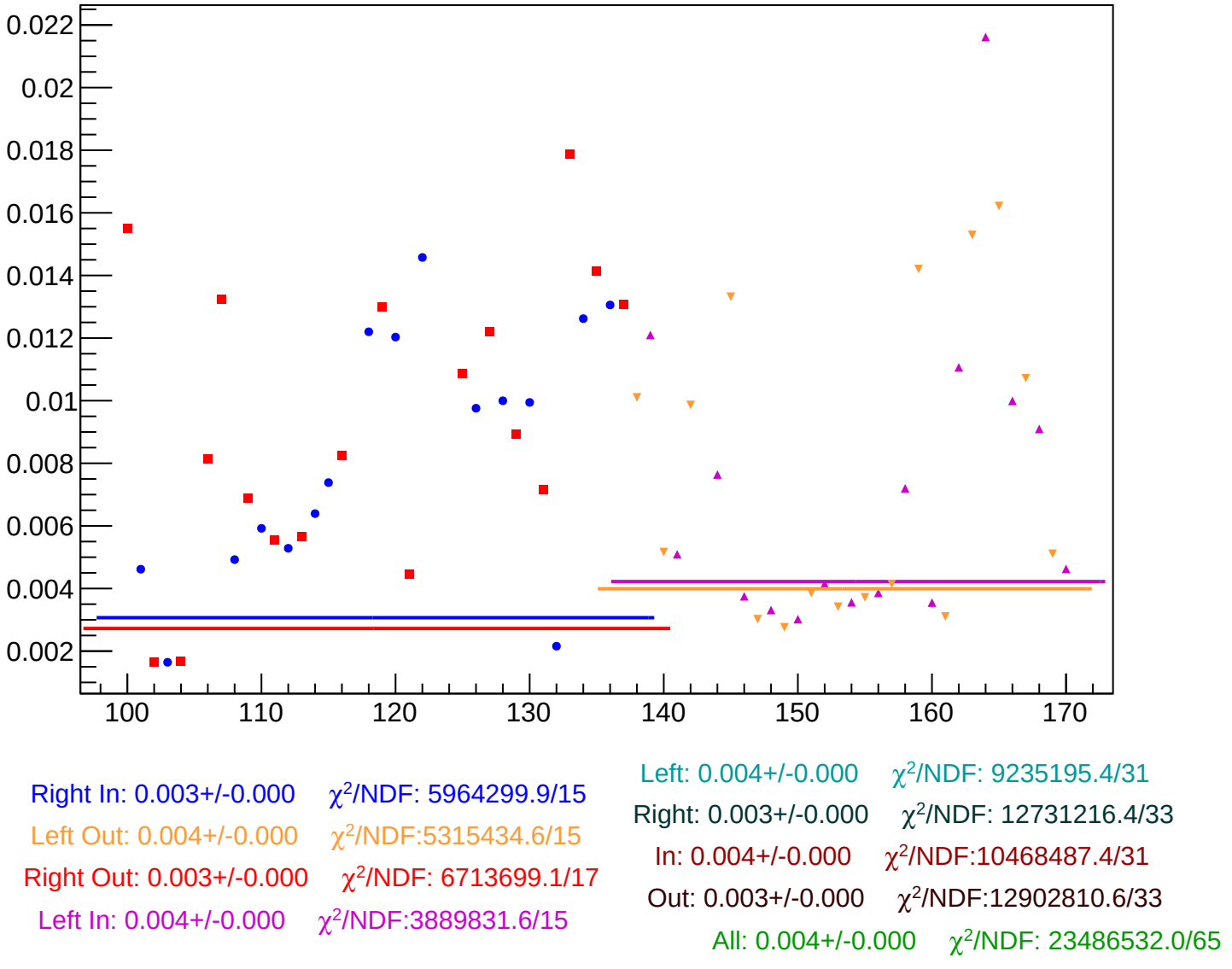
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 155.072+/-0.028 χ^2/NDF:7926913.5/31

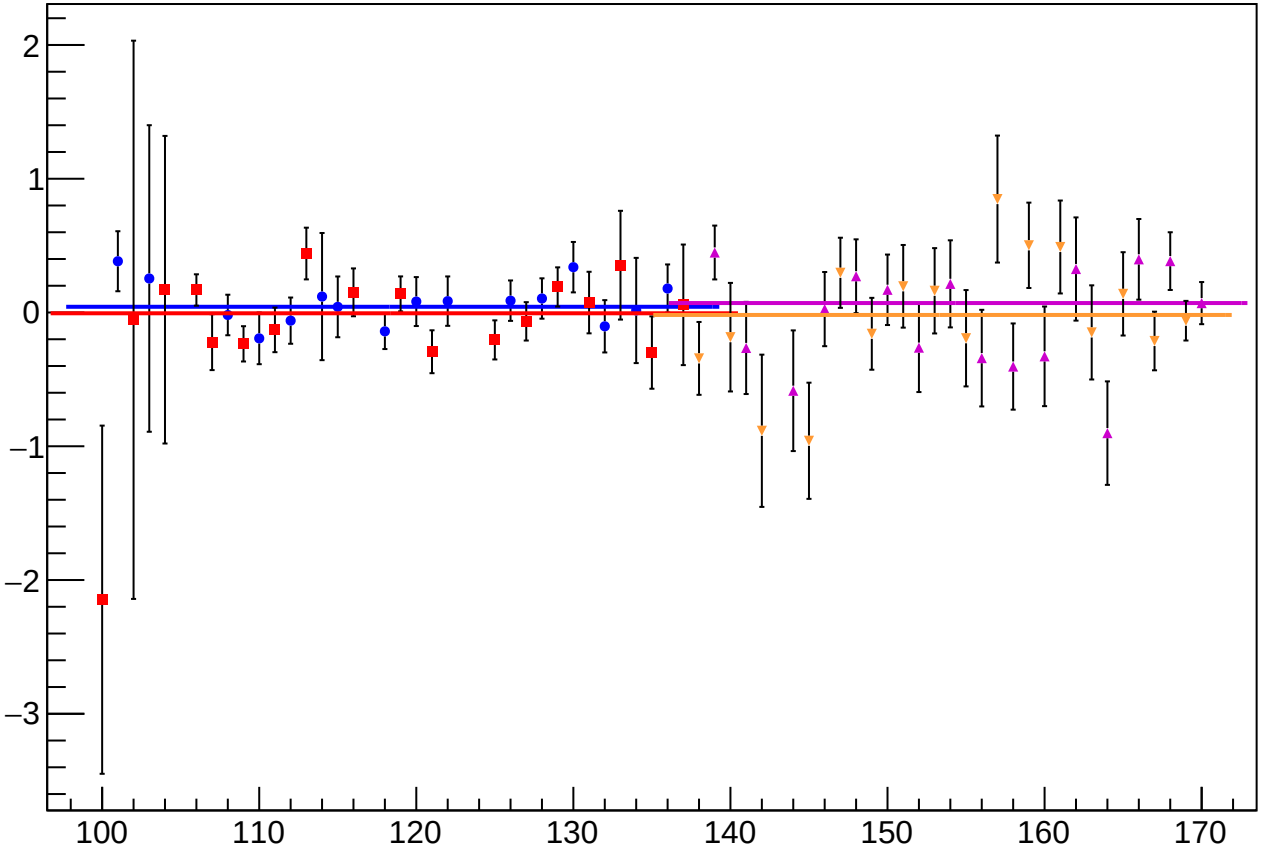
Out: 137.725+/-0.026 χ^2/NDF:10624562.0/33

All: 145.948+/-0.019 χ^2/NDF: 18757769.6/65


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.1/15
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:11.5/15
Left: 0.000+/-0.000 χ²/NDF: 34.8/31
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:24.7/31
Out: 0.000+/-0.000 χ²/NDF:38.3/33
All: 0.000+/-0.000 χ²/NDF: 63.0/65


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:5315434.6/15
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:3889831.6/15
Left: 0.004+/-0.000 χ²/NDF: 9235195.4/31
Right: 0.003+/-0.000 χ²/NDF: 12731216.4/33
In: 0.004+/-0.000 χ²/NDF:10468487.4/31
Out: 0.003+/-0.000 χ²/NDF:12902810.6/33
All: 0.004+/-0.000 χ²/NDF: 23486532.0/65

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: -0.018+/-0.072 χ^2/NDF:20.8/15

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.069 χ^2/NDF:23.1/15

Left: 0.028+/-0.050 χ^2/NDF: 44.7/31

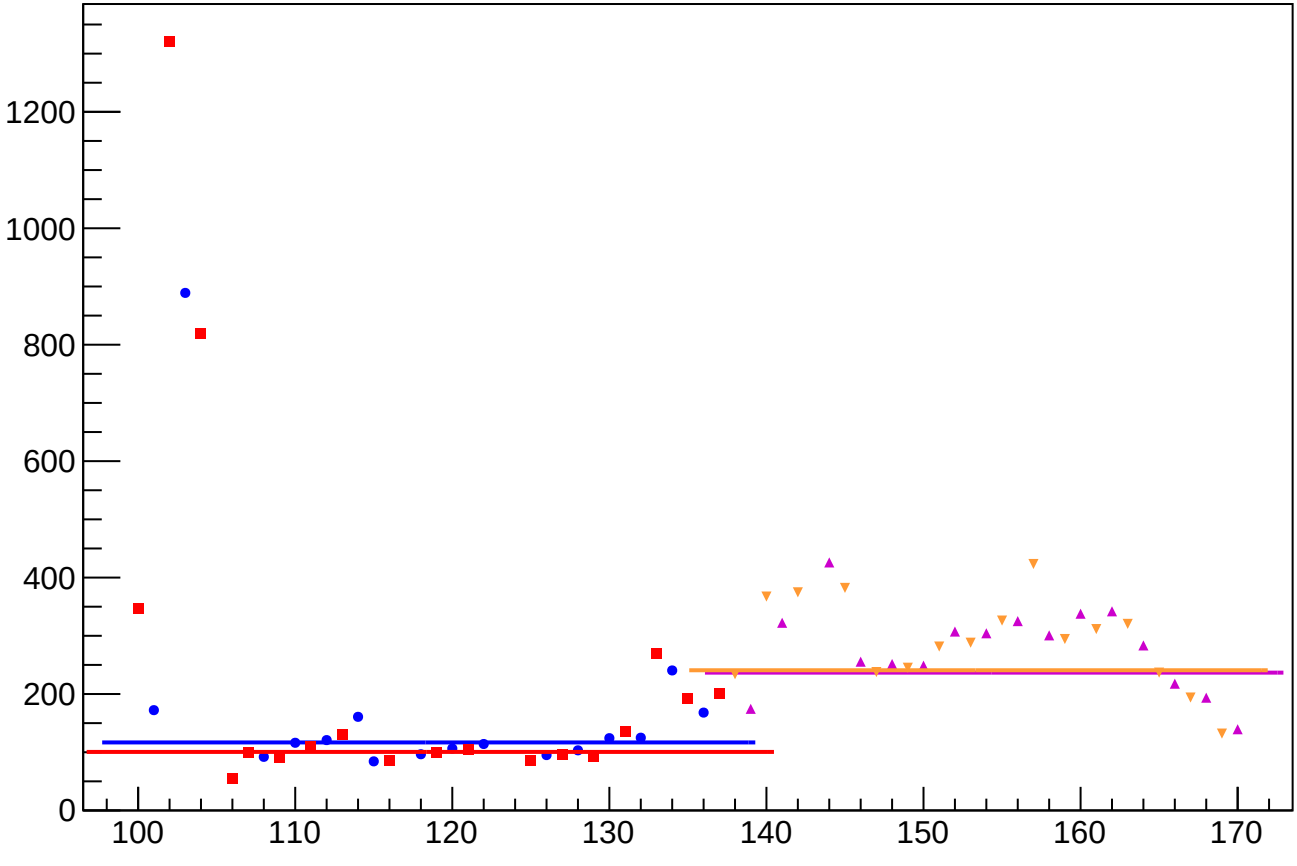
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: -0.009+/-0.037 χ^2/NDF:46.8/33

All: 0.020+/-0.027 χ^2/NDF: 81.6/65

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: 240.806+/-0.051 χ^2/NDF:2418217.4/15

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.737+/-0.049 χ^2/NDF:2237154.6/15

Left: 238.689+/-0.035 χ^2/NDF: 4658674.6/31

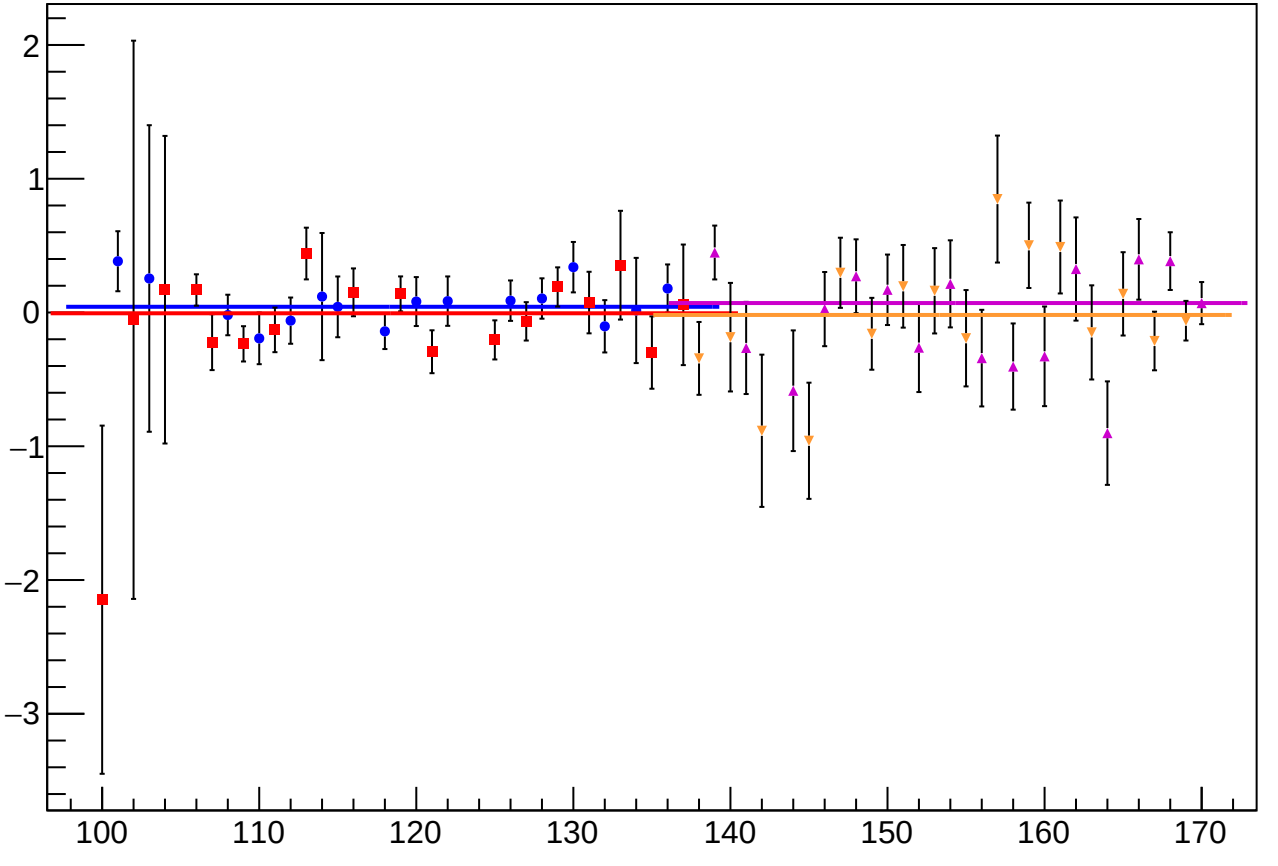
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 155.073+/-0.028 χ^2/NDF:7927054.8/31

Out: 137.724+/-0.026 χ^2/NDF:10624882.1/33

All: 145.948+/-0.019 χ^2/NDF: 18758259.3/65

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: -0.018+/-0.072 χ^2/NDF:20.8/15

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.069 χ^2/NDF:23.1/15

Left: 0.028+/-0.050 χ^2/NDF: 44.7/31

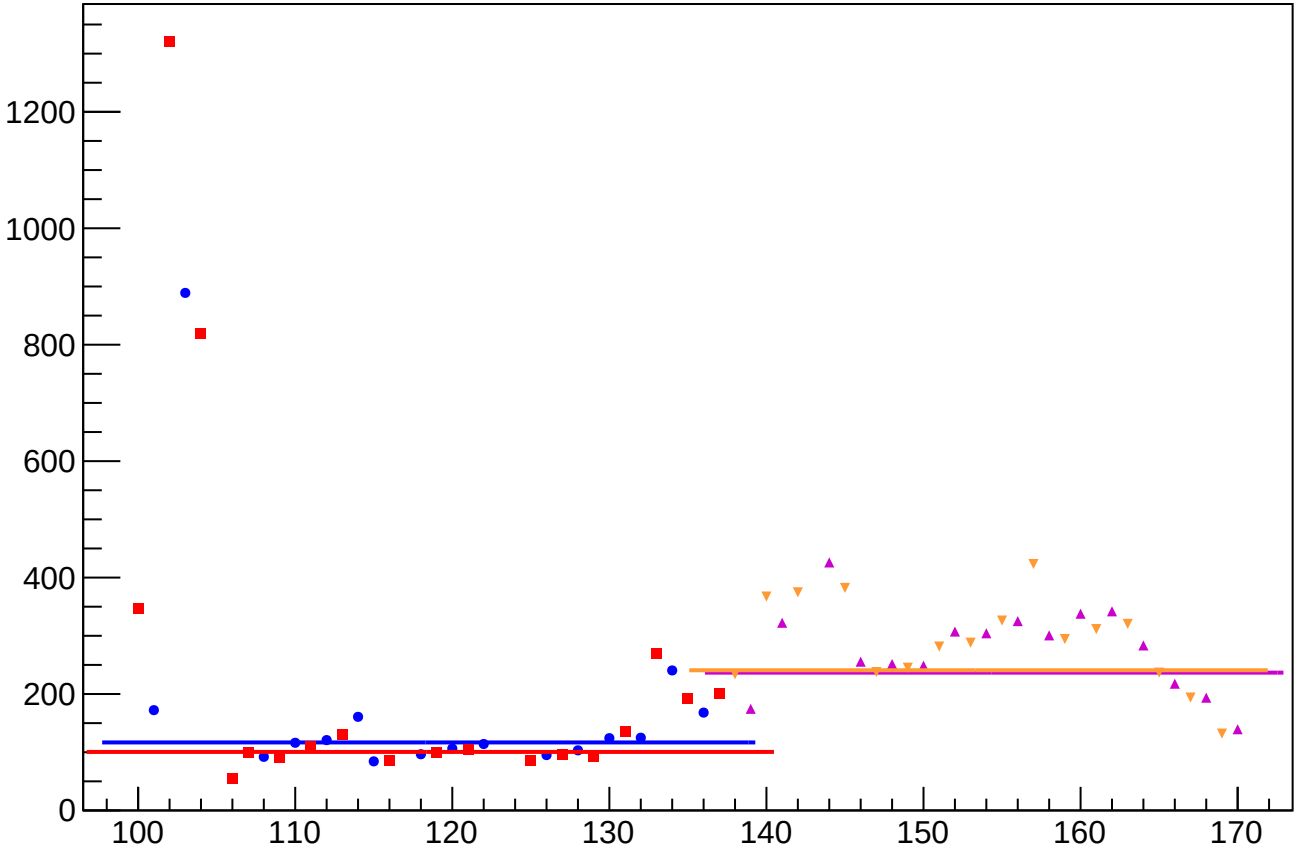
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: -0.009+/-0.037 χ^2/NDF:46.8/33

All: 0.020+/-0.027 χ^2/NDF: 81.6/65

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: 240.806+/-0.051 χ^2/NDF:2418217.4/15

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.737+/-0.049 χ^2/NDF:2237154.6/15

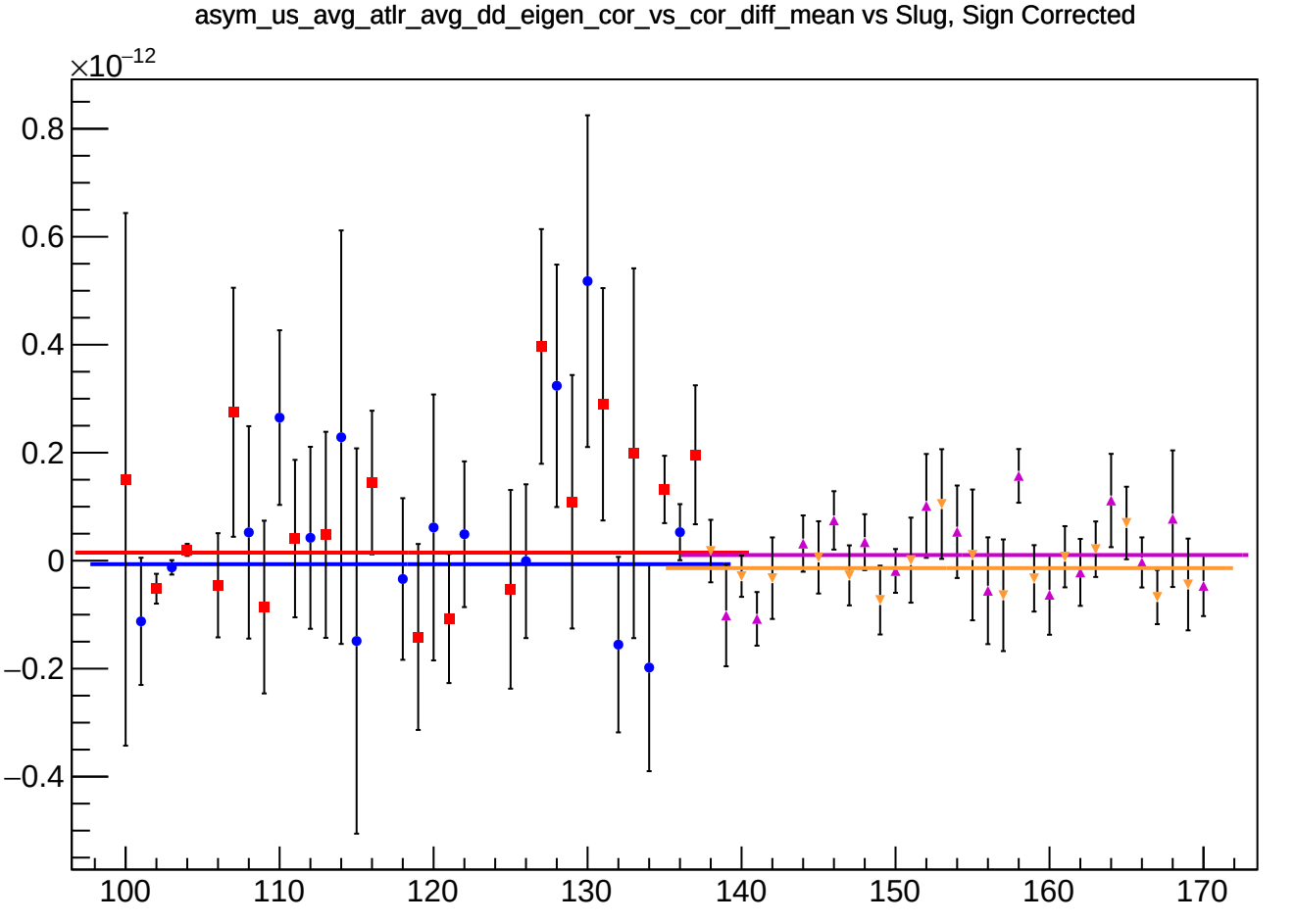
Left: 238.689+/-0.035 χ^2/NDF: 4658674.6/31

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 155.073+/-0.028 χ^2/NDF:7927054.8/31

Out: 137.724+/-0.026 χ^2/NDF:10624882.1/33

All: 145.948+/-0.019 χ^2/NDF: 18758259.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:23.7/15

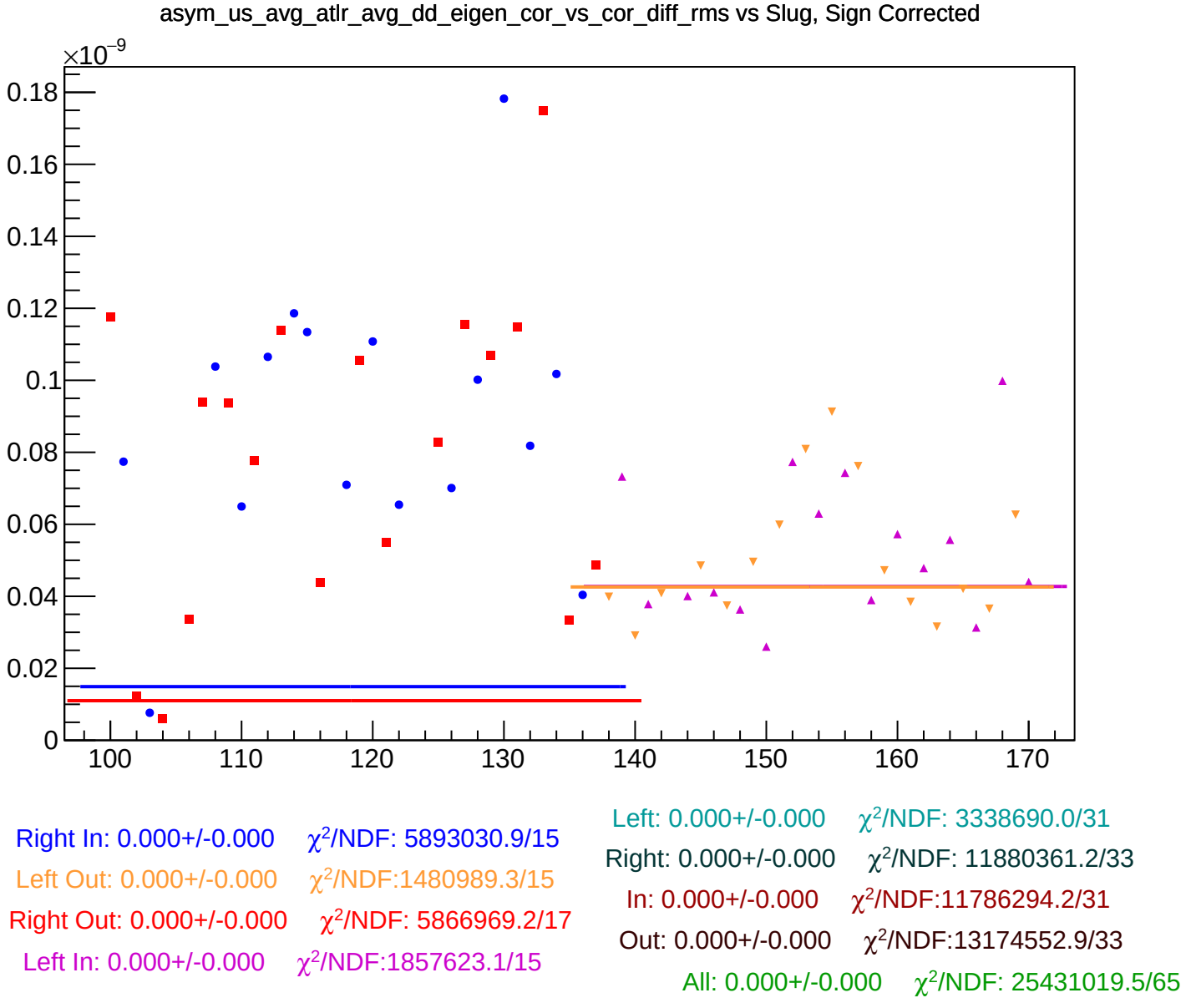
Left: -0.000+/-0.000 χ^2/NDF: 31.6/31

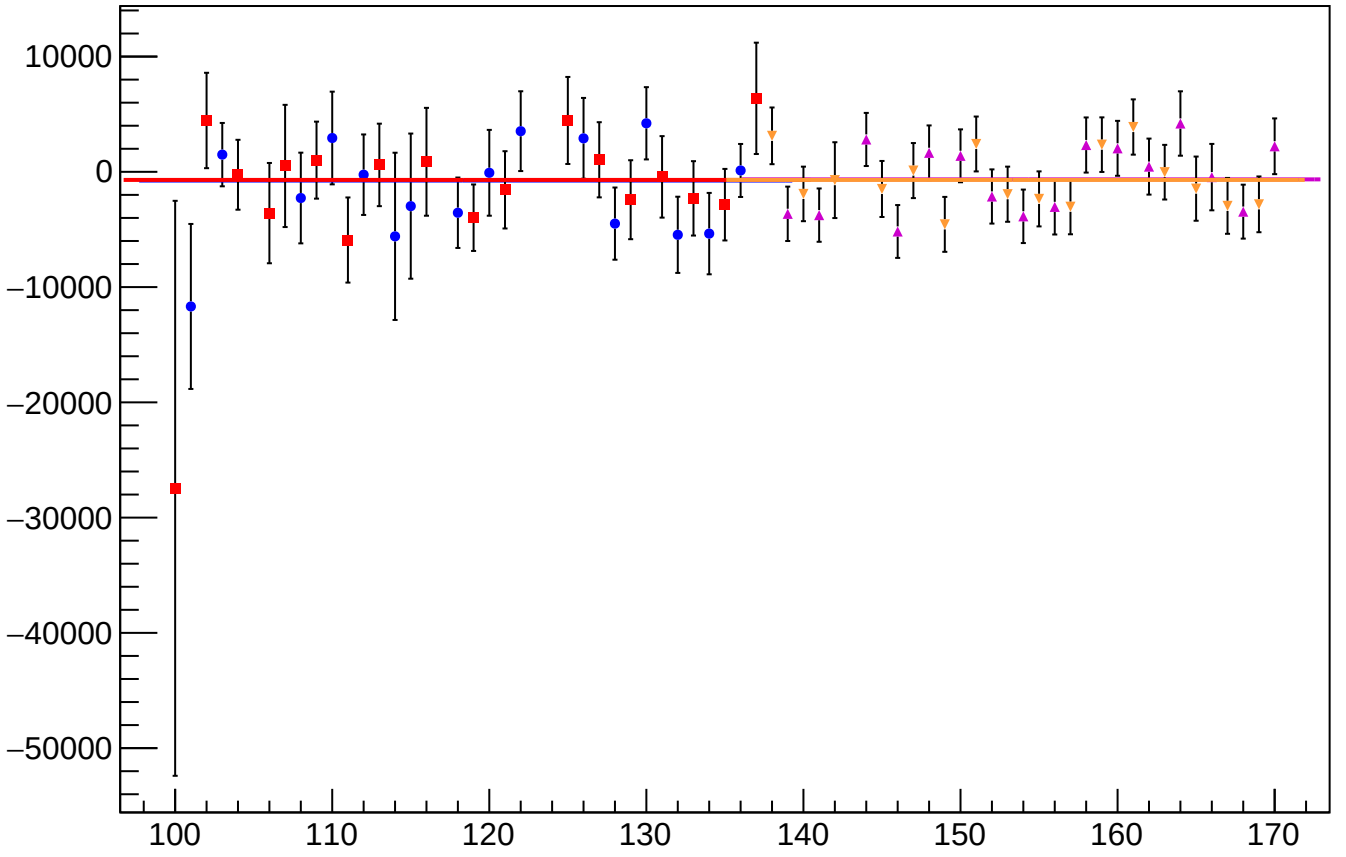
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:37.5/31

Out: 0.000+/-0.000 χ^2/NDF:31.0/33

All: 0.000+/-0.000 χ^2/NDF: 68.7/65


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1480989.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1857623.1/15
Left: 0.000+/-0.000 χ²/NDF: 3338690.0/31
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:11786294.2/31
Out: 0.000+/-0.000 χ²/NDF:13174552.9/33
All: 0.000+/-0.000 χ²/NDF: 25431019.5/65



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -701.393+/-613.230 χ^2/NDF:16.0/15

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -654.464+/-600.200 χ^2/NDF:23.5/15

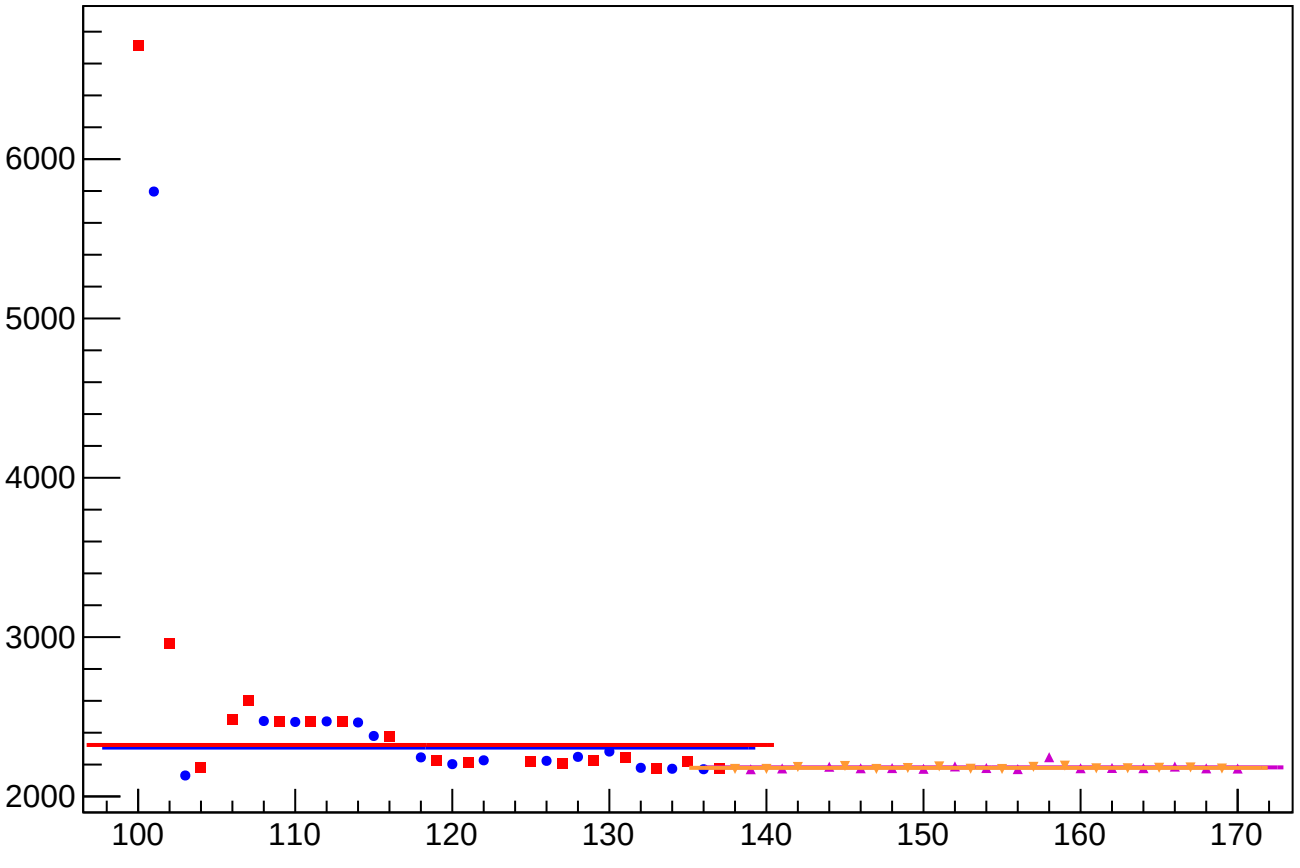
Left: -677.425+/-428.938 χ^2/NDF: 39.5/31

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -686.522+/-494.523 χ^2/NDF:39.4/31

Out: -701.661+/-500.971 χ^2/NDF:28.4/33

All: -693.993+/-351.938 χ^2/NDF: 67.8/65



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.500+/-0.434 χ^2/NDF:253.3/15

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

Left: 2180.985+/-0.303 χ^2/NDF: 1936.5/31

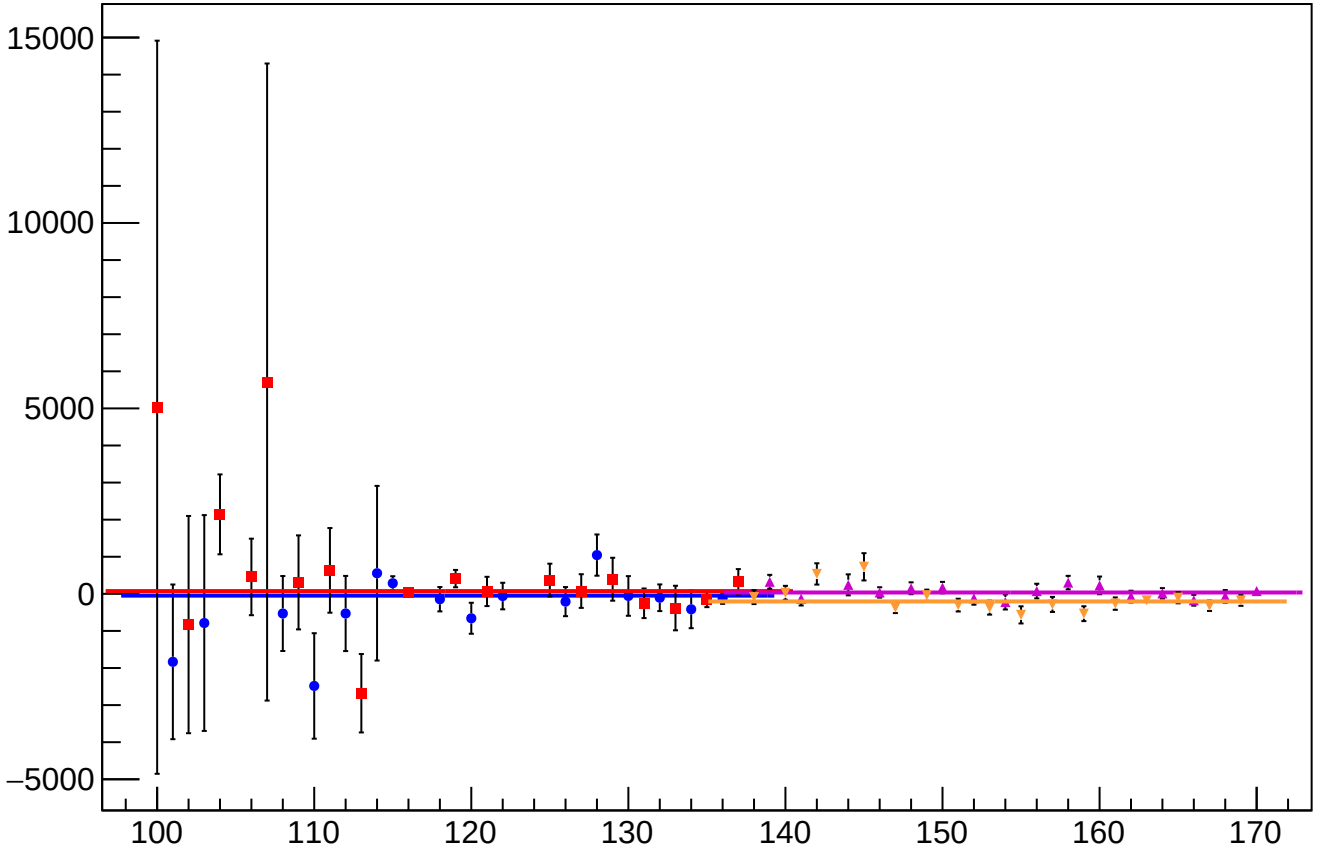
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2222.305+/-0.350 χ^2/NDF:543328.5/31

Out: 2227.234+/-0.354 χ^2/NDF:188472.9/33

All: 2224.737+/-0.249 χ^2/NDF: 731899.4/65

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: -205.404+/-43.174 χ^2/NDF:25.3/15

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 36.241+/-42.251 χ^2/NDF:13.3/15

Left: -81.973+/-30.197 χ^2/NDF: 54.6/31

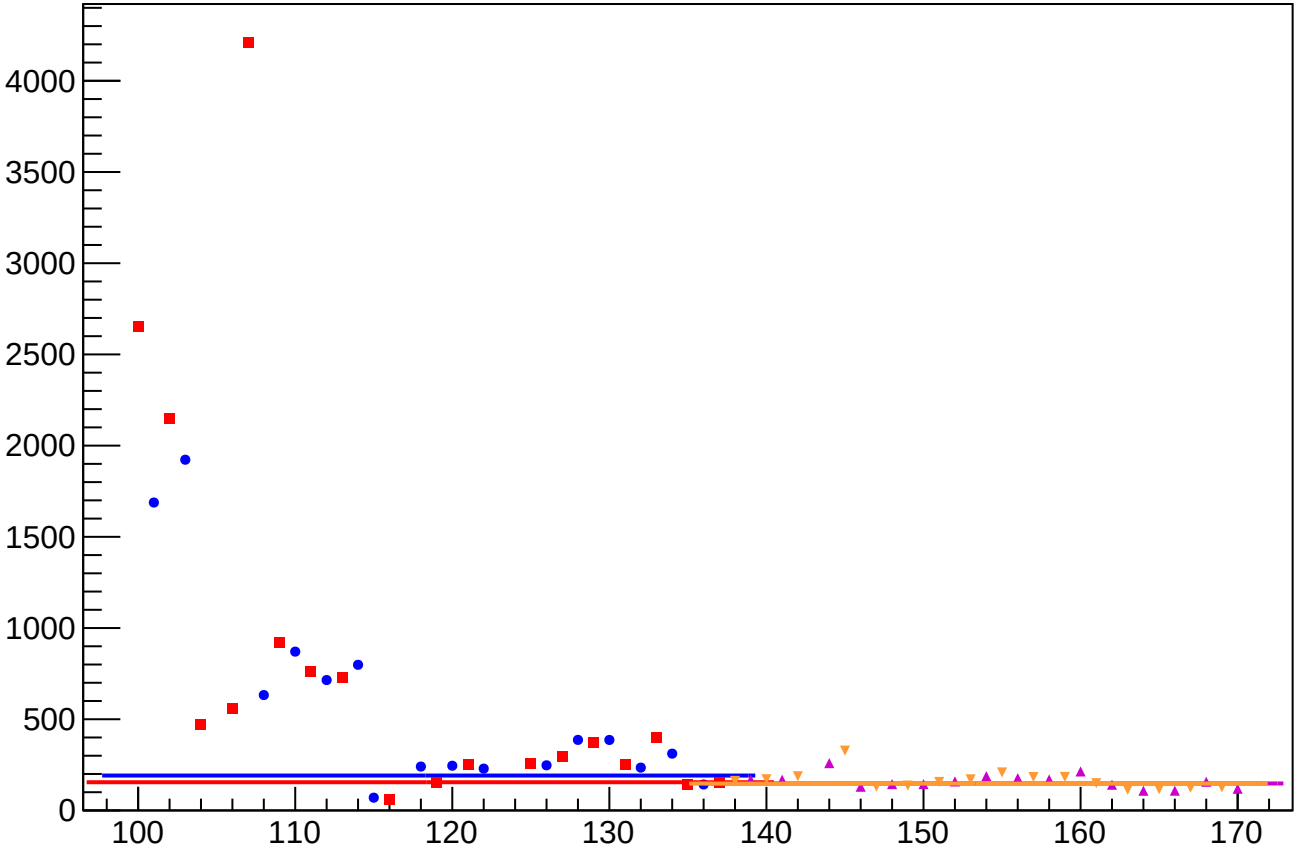
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.291+/-38.316 χ^2/NDF:28.4/31

Out: -145.160+/-38.241 χ^2/NDF:52.0/33

All: -62.098+/-27.067 χ^2/NDF: 89.8/65

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: 147.296+/-0.031 χ^2/NDF:1223308.0/15

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 147.912+/-0.030 χ^2/NDF:1113688.1/15

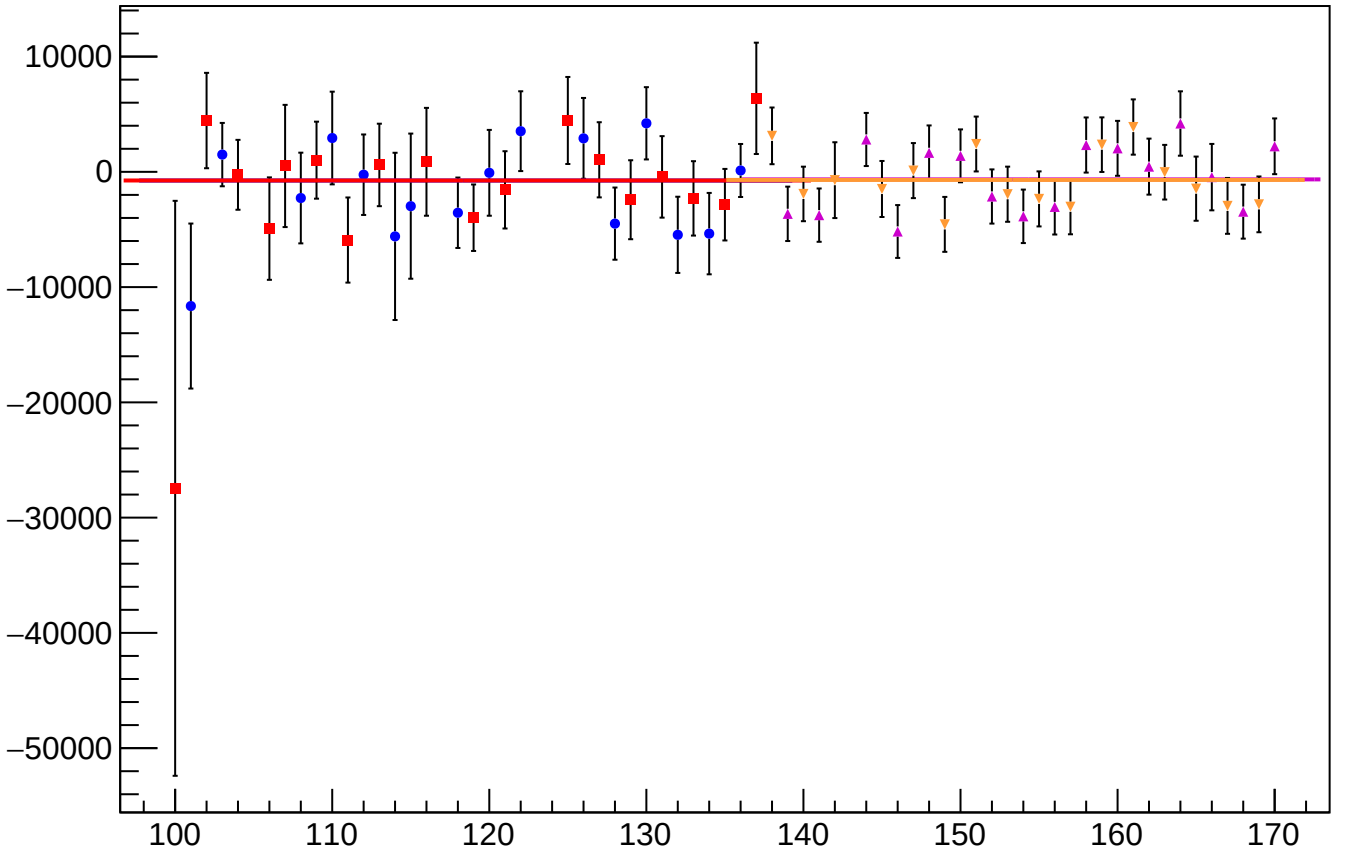
Left: 147.611+/-0.021 χ^2/NDF: 2337204.1/31

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 155.633+/-0.027 χ^2/NDF:6554437.0/31

Out: 148.886+/-0.027 χ^2/NDF:7390187.8/33

All: 152.253+/-0.019 χ^2/NDF: 13975690.8/65



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -701.387+/-613.230 χ^2/NDF:16.0/15

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -654.407+/-600.200 χ^2/NDF:23.5/15

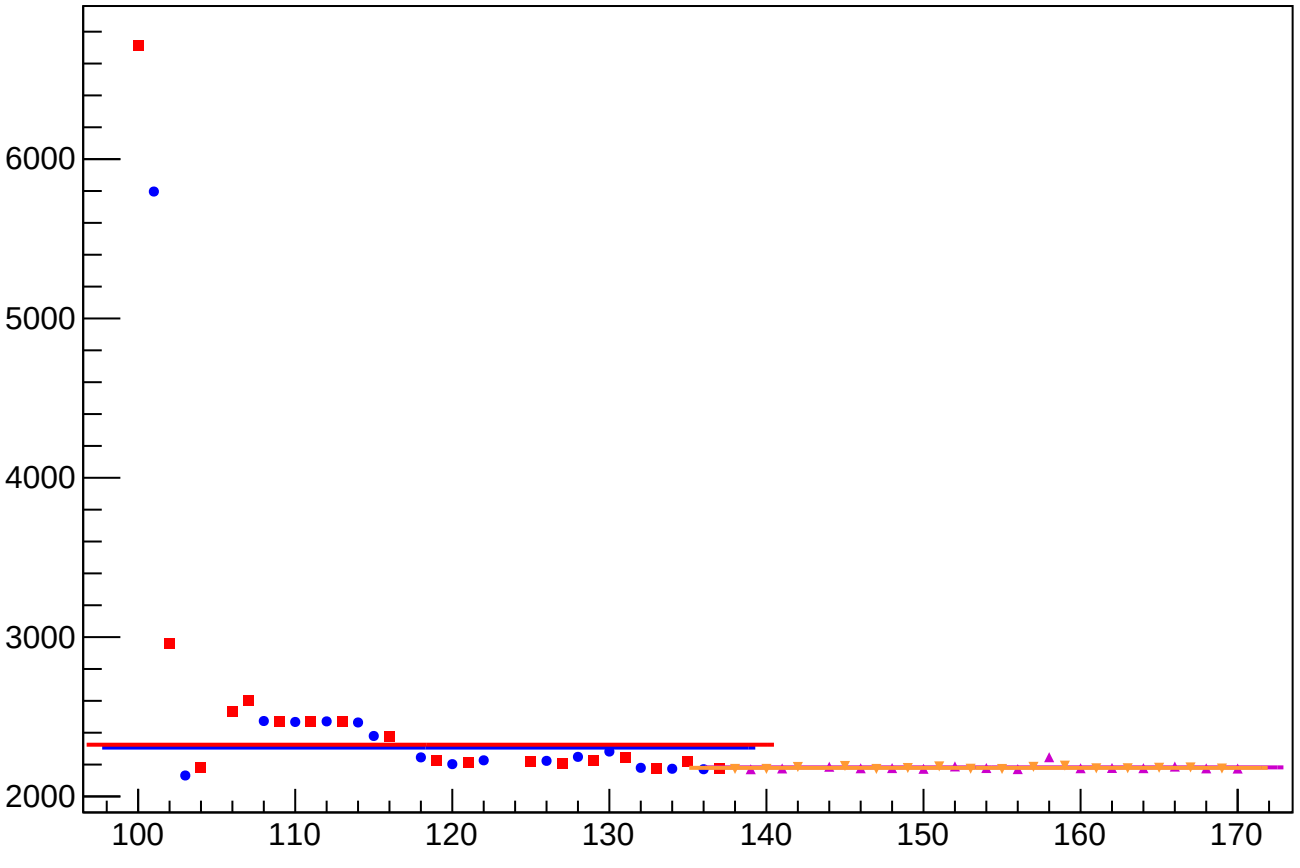
Left: -677.393+/-428.938 χ^2/NDF: 39.5/31

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -686.172+/-494.523 χ^2/NDF:39.4/31

Out: -717.312+/-501.109 χ^2/NDF:28.9/33

All: -701.536+/-351.986 χ^2/NDF: 68.2/65



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.500+/-0.434 χ^2/NDF:253.3/15

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

Left: 2180.985+/-0.303 χ^2/NDF: 1936.5/31

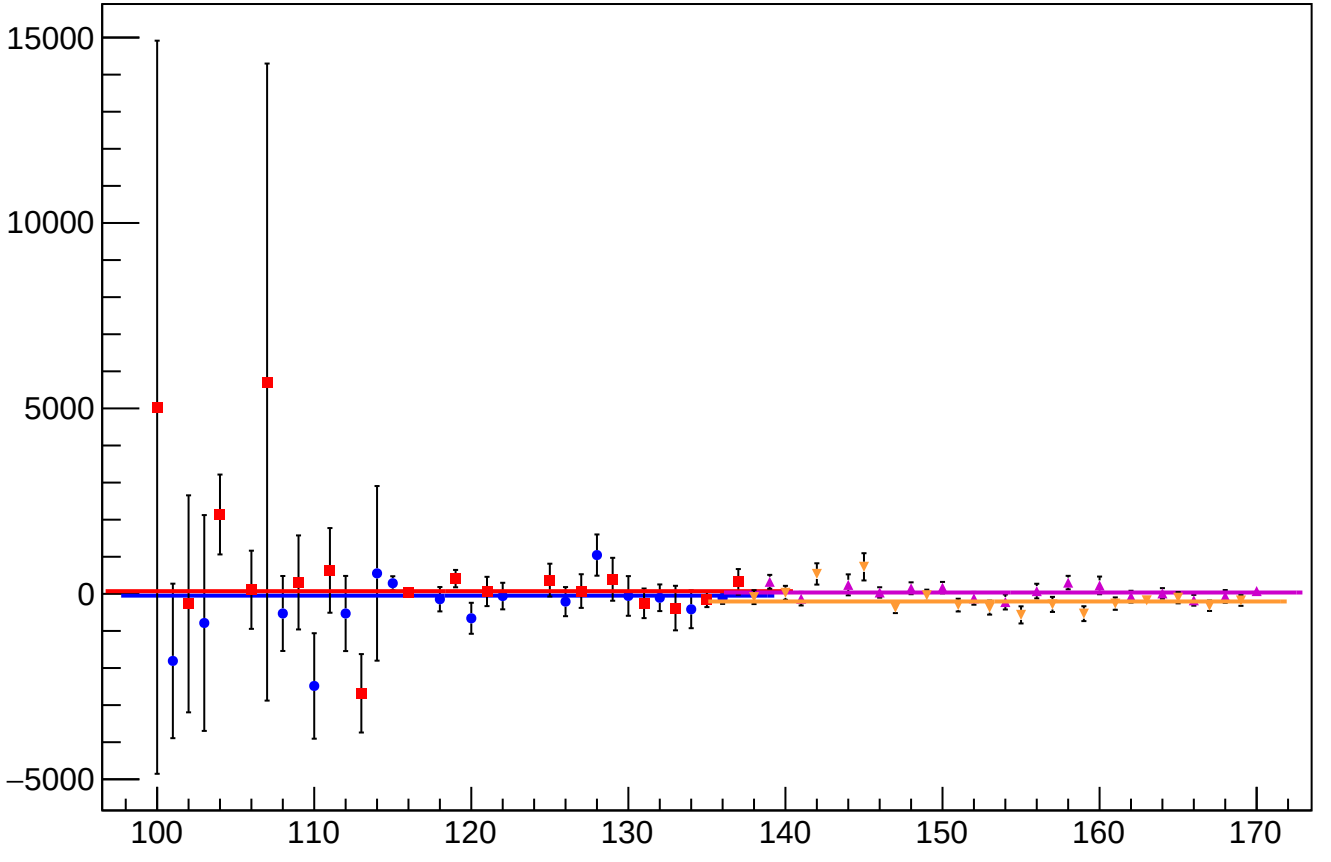
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2222.305+/-0.350 χ^2/NDF:543328.8/31

Out: 2227.737+/-0.354 χ^2/NDF:191078.2/33

All: 2224.985+/-0.249 χ^2/NDF: 734526.1/65

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: -205.455+/-43.174 χ^2/NDF:25.3/15

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 36.178+/-42.254 χ^2/NDF:13.3/15

Left: -82.037+/-30.198 χ^2/NDF: 54.6/31

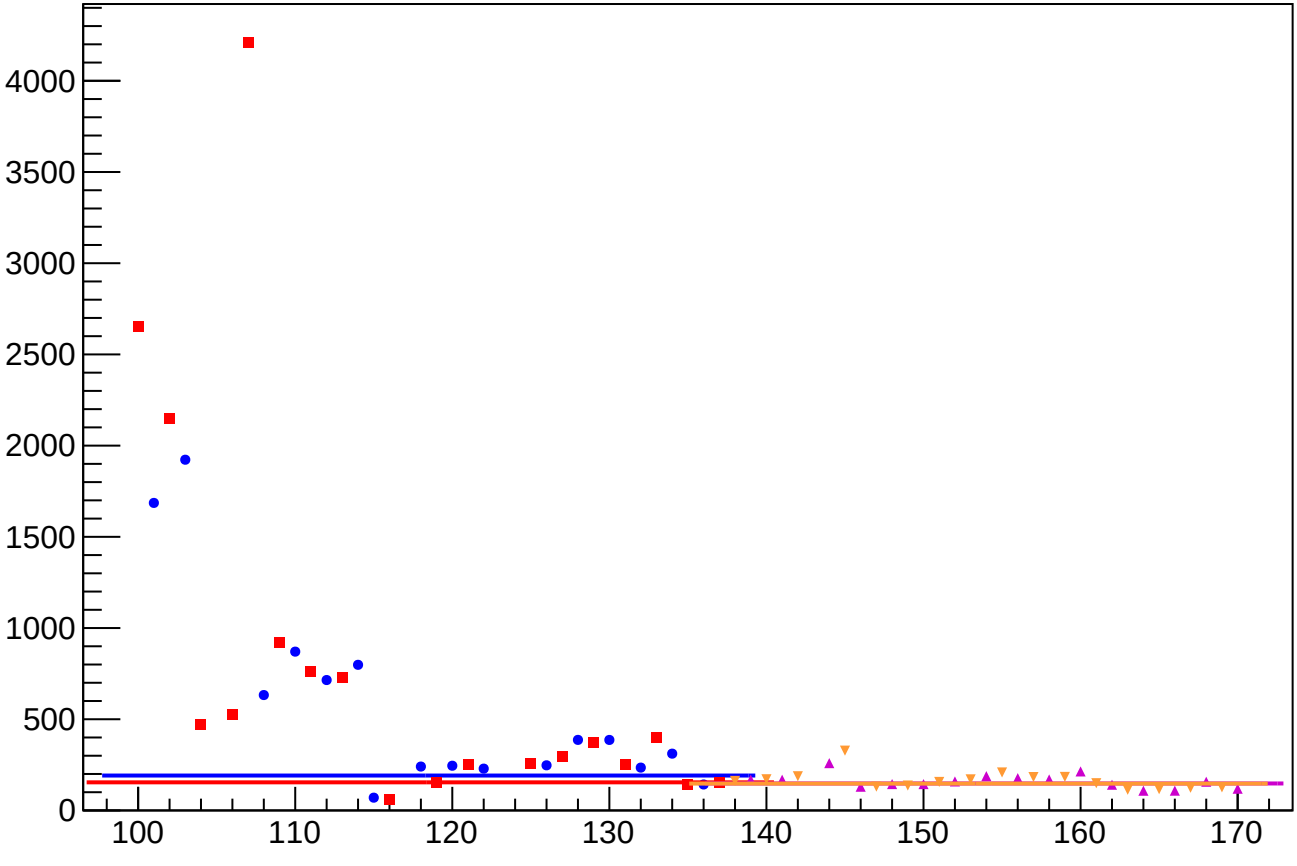
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.233+/-38.318 χ^2/NDF:28.4/31

Out: -145.561+/-38.235 χ^2/NDF:51.6/33

All: -62.346+/-27.065 χ^2/NDF: 89.5/65

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 147.295+/-0.031 χ^2/NDF:1223625.1/15

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 147.921+/-0.030 χ^2/NDF:1114026.8/15

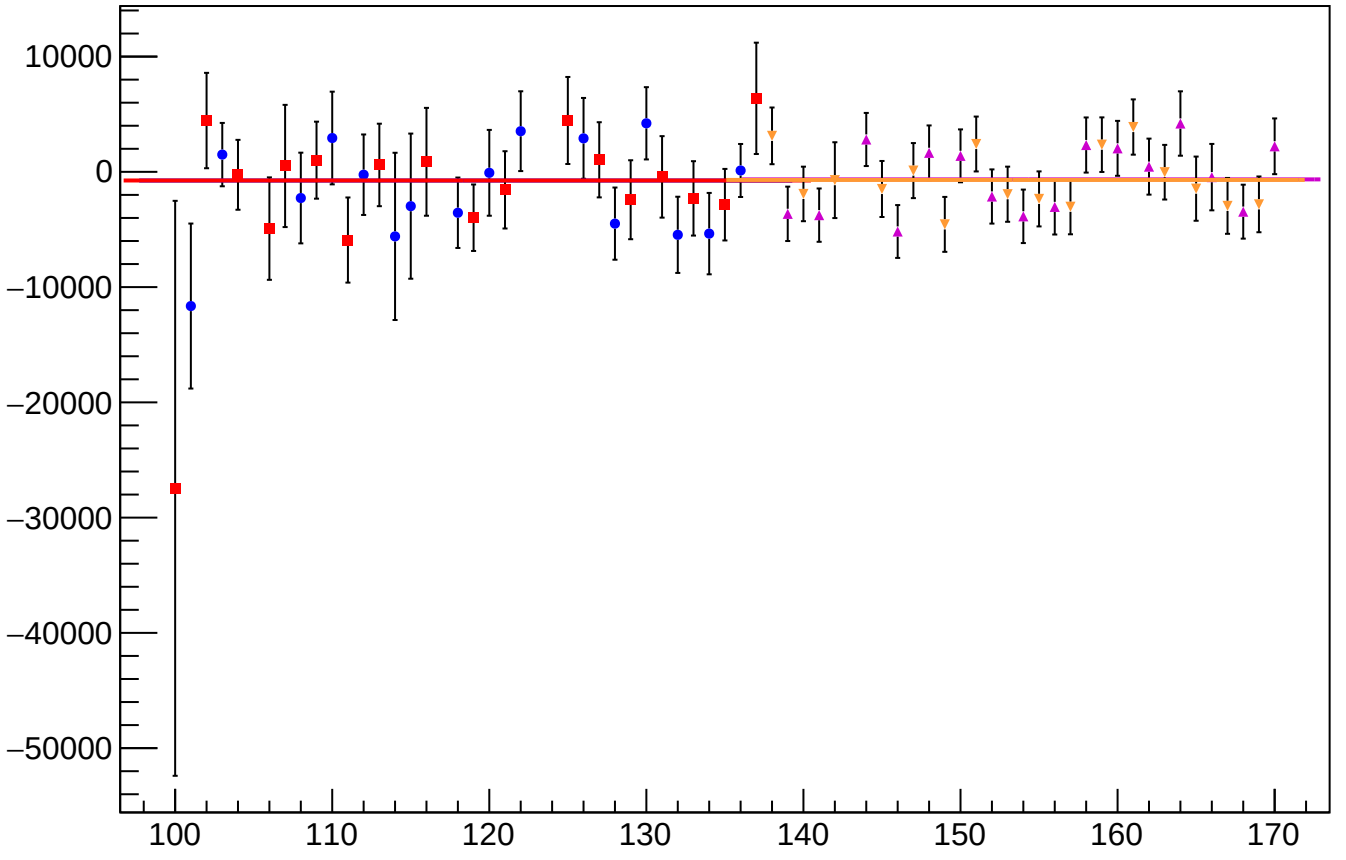
Left: 147.614+/-0.021 χ^2/NDF: 2337866.8/31

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 155.644+/-0.027 χ^2/NDF:6553857.0/31

Out: 148.767+/-0.027 χ^2/NDF:7343076.4/33

All: 152.198+/-0.019 χ^2/NDF: 13929215.3/65



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -701.387+/-613.230 χ^2/NDF:16.0/15

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -654.407+/-600.200 χ^2/NDF:23.5/15

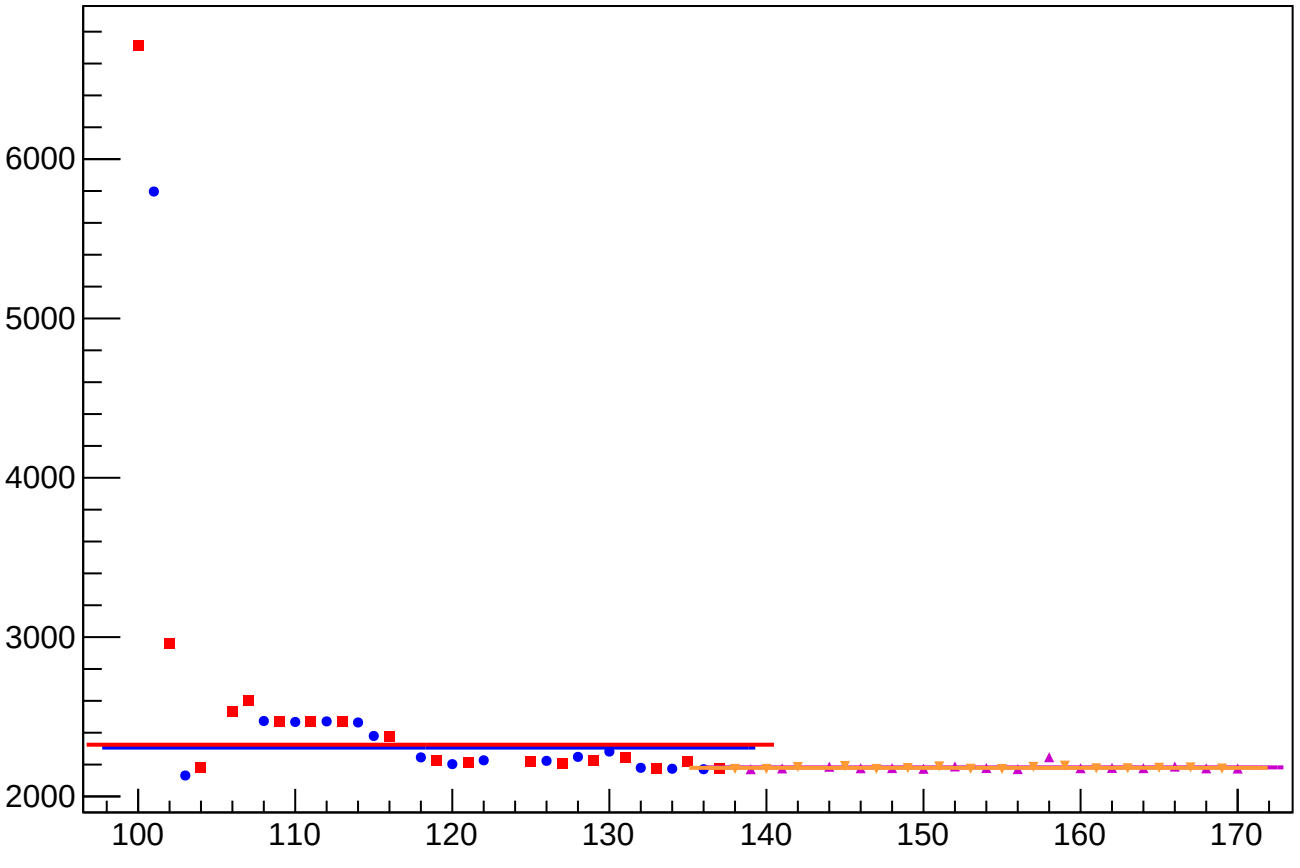
Left: -677.393+/-428.938 χ^2/NDF: 39.5/31

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -686.172+/-494.523 χ^2/NDF:39.4/31

Out: -717.312+/-501.109 χ^2/NDF:28.9/33

All: -701.536+/-351.986 χ^2/NDF: 68.2/65



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.500+/-0.434 χ^2/NDF:253.3/15

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

Left: 2180.985+/-0.303 χ^2/NDF: 1936.5/31

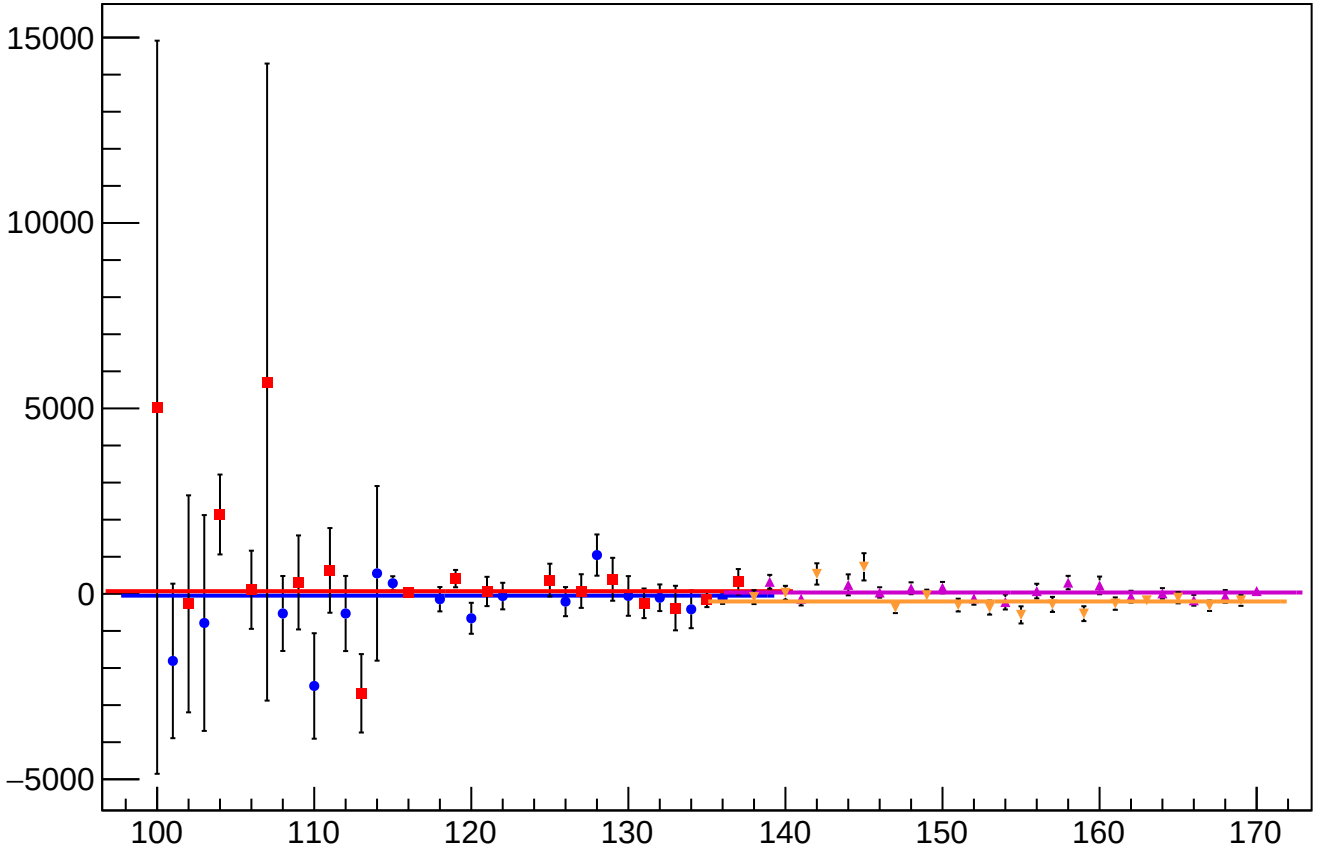
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2222.305+/-0.350 χ^2/NDF:543328.8/31

Out: 2227.737+/-0.354 χ^2/NDF:191078.2/33

All: 2224.985+/-0.249 χ^2/NDF: 734526.1/65

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: -205.455+/-43.174 χ^2/NDF:25.3/15

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 36.178+/-42.254 χ^2/NDF:13.3/15

Left: -82.037+/-30.198 χ^2/NDF: 54.6/31

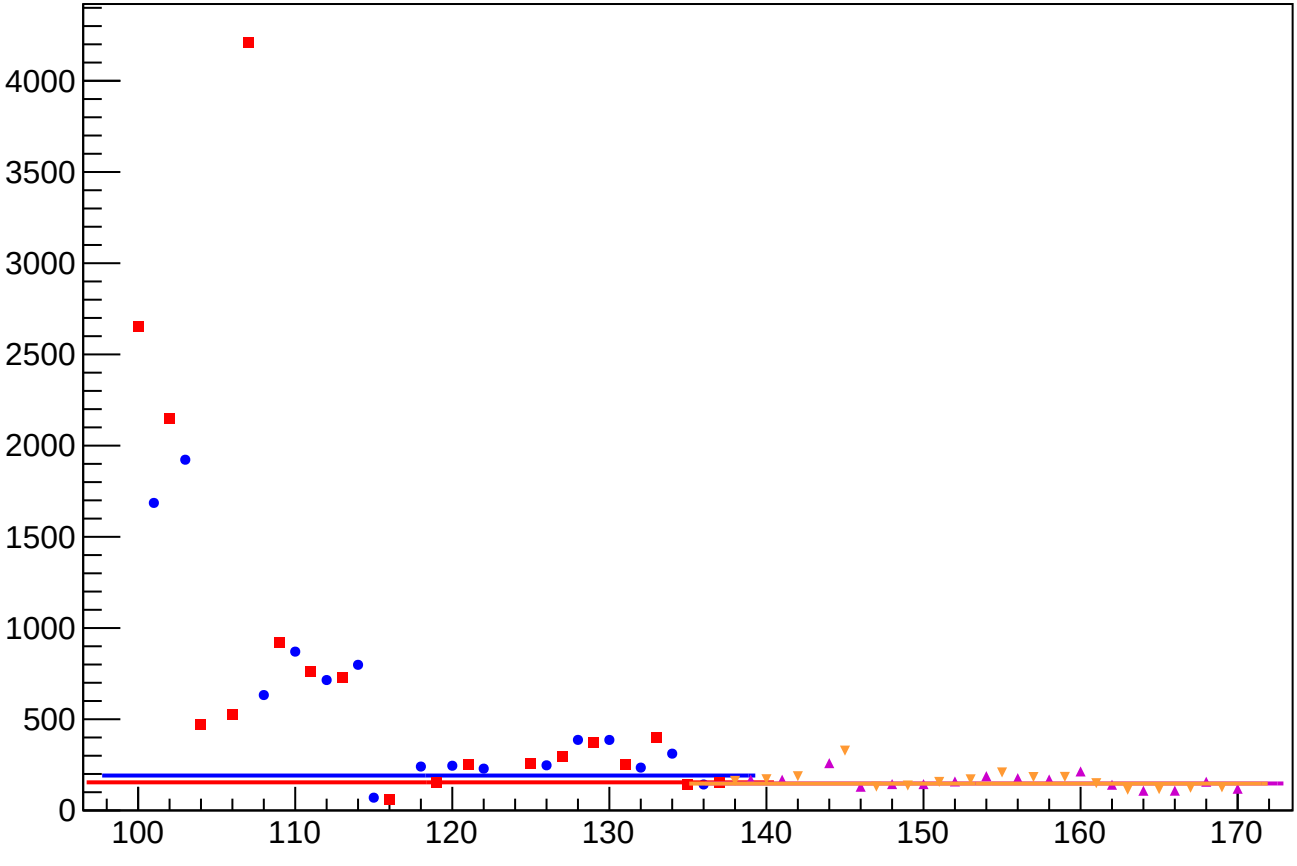
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.233+/-38.318 χ^2/NDF:28.4/31

Out: -145.561+/-38.235 χ^2/NDF:51.6/33

All: -62.346+/-27.065 χ^2/NDF: 89.5/65

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: 147.295+/-0.031 χ^2/NDF:1223625.1/15

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 147.921+/-0.030 χ^2/NDF:1114026.8/15

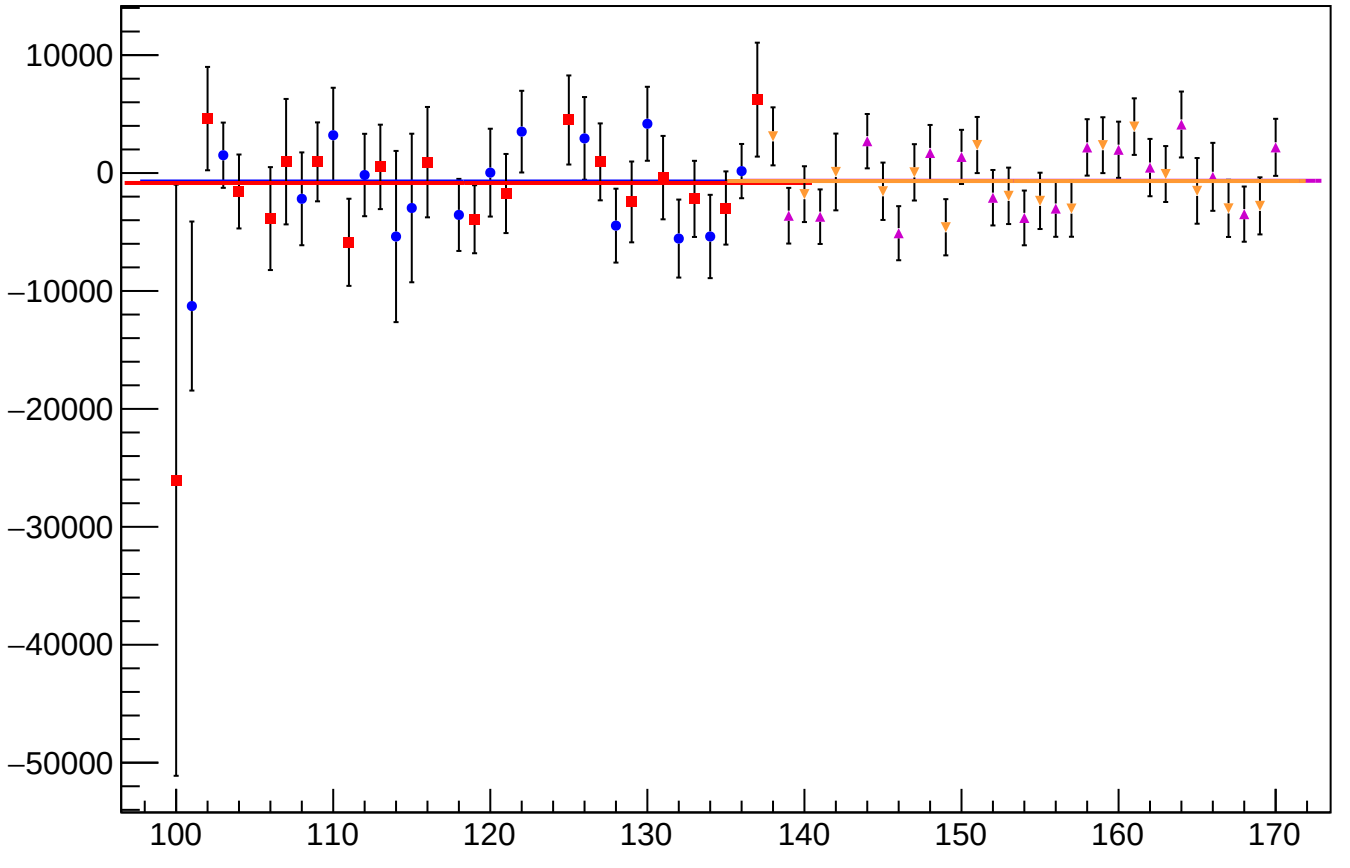
Left: 147.614+/-0.021 χ^2/NDF: 2337866.8/31

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 155.644+/-0.027 χ^2/NDF:6553857.0/31

Out: 148.767+/-0.027 χ^2/NDF:7343076.4/33

All: 152.198+/-0.019 χ^2/NDF: 13929215.3/65



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -679.260+/-613.205 χ^2/NDF:16.1/15

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -655.889+/-600.415 χ^2/NDF:22.7/15

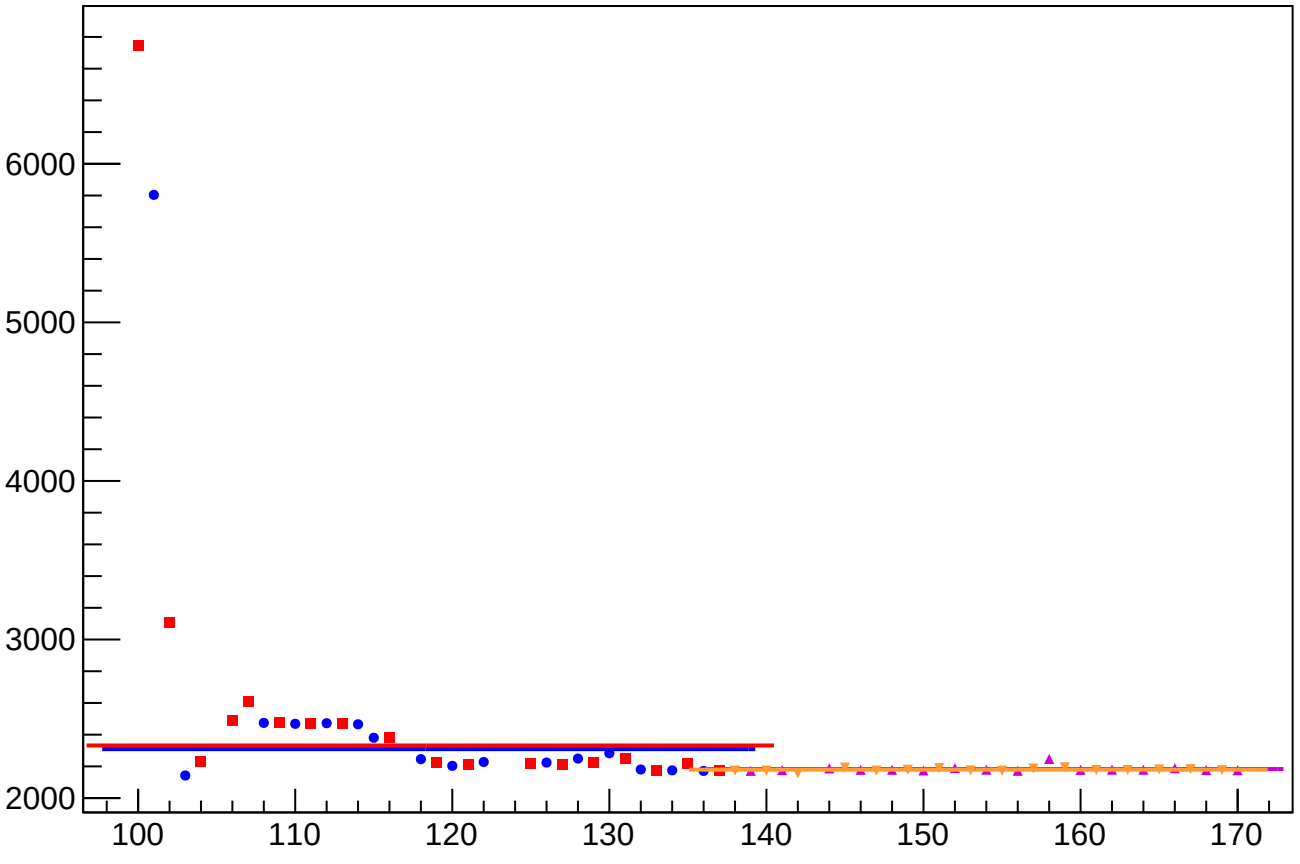
Left: -667.329+/-429.008 χ^2/NDF: 38.8/31

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -675.541+/-494.805 χ^2/NDF:38.6/31

Out: -733.030+/-501.899 χ^2/NDF:28.3/33

All: -703.876+/-352.361 χ^2/NDF: 66.9/65



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.207+/-0.434 χ^2/NDF:353.3/15

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.190+/-0.425 χ^2/NDF:1652.7/15

Left: 2181.240+/-0.303 χ^2/NDF: 2049.1/31

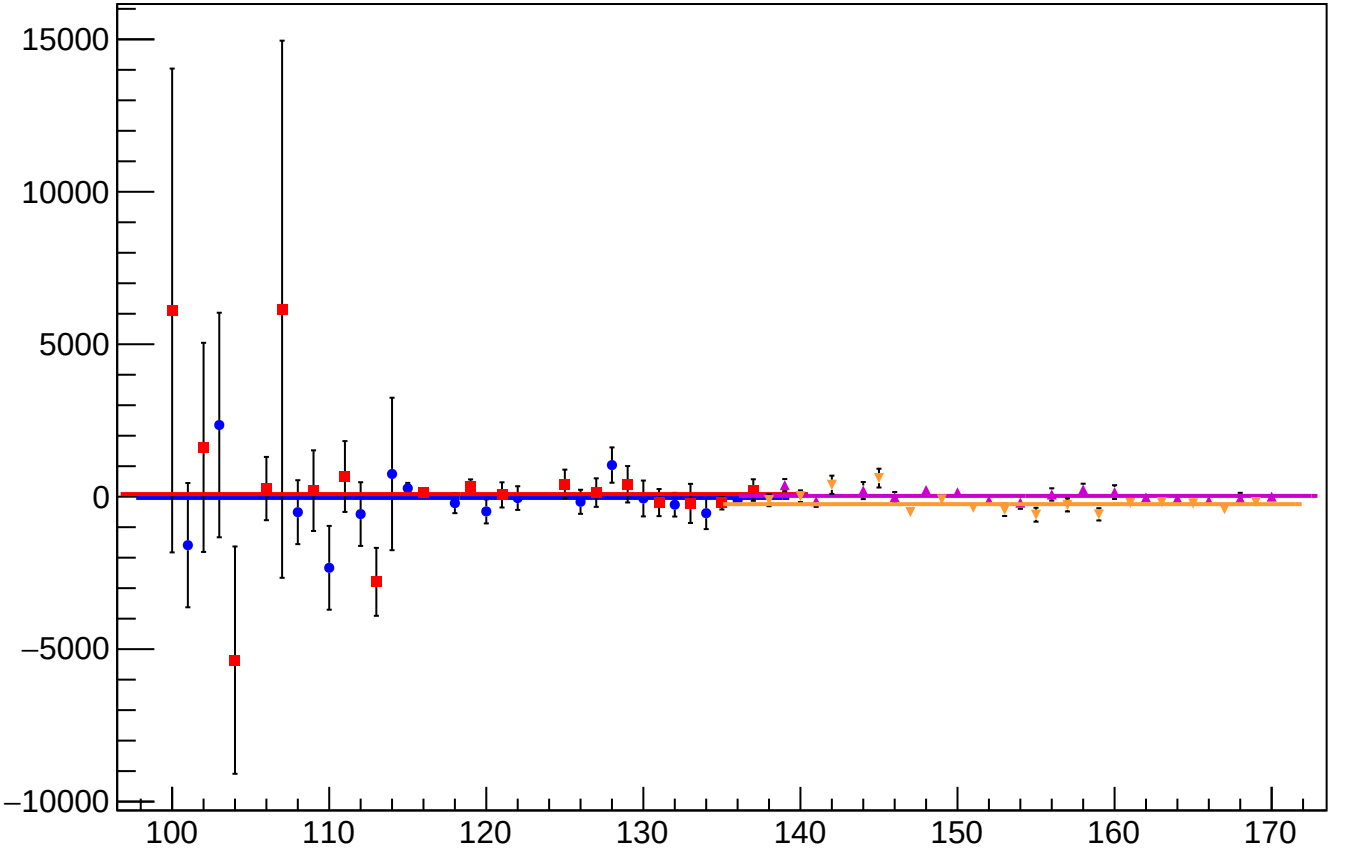
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2223.472+/-0.350 χ^2/NDF:543453.2/31

Out: 2229.591+/-0.355 χ^2/NDF:208581.6/33

All: 2226.488+/-0.249 χ^2/NDF: 752185.5/65

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: -244.303+/-43.423 χ^2/NDF:26.7/15

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 26.091+/-43.065 χ^2/NDF:12.0/15

Left: -107.988+/-30.578 χ^2/NDF: 58.2/31

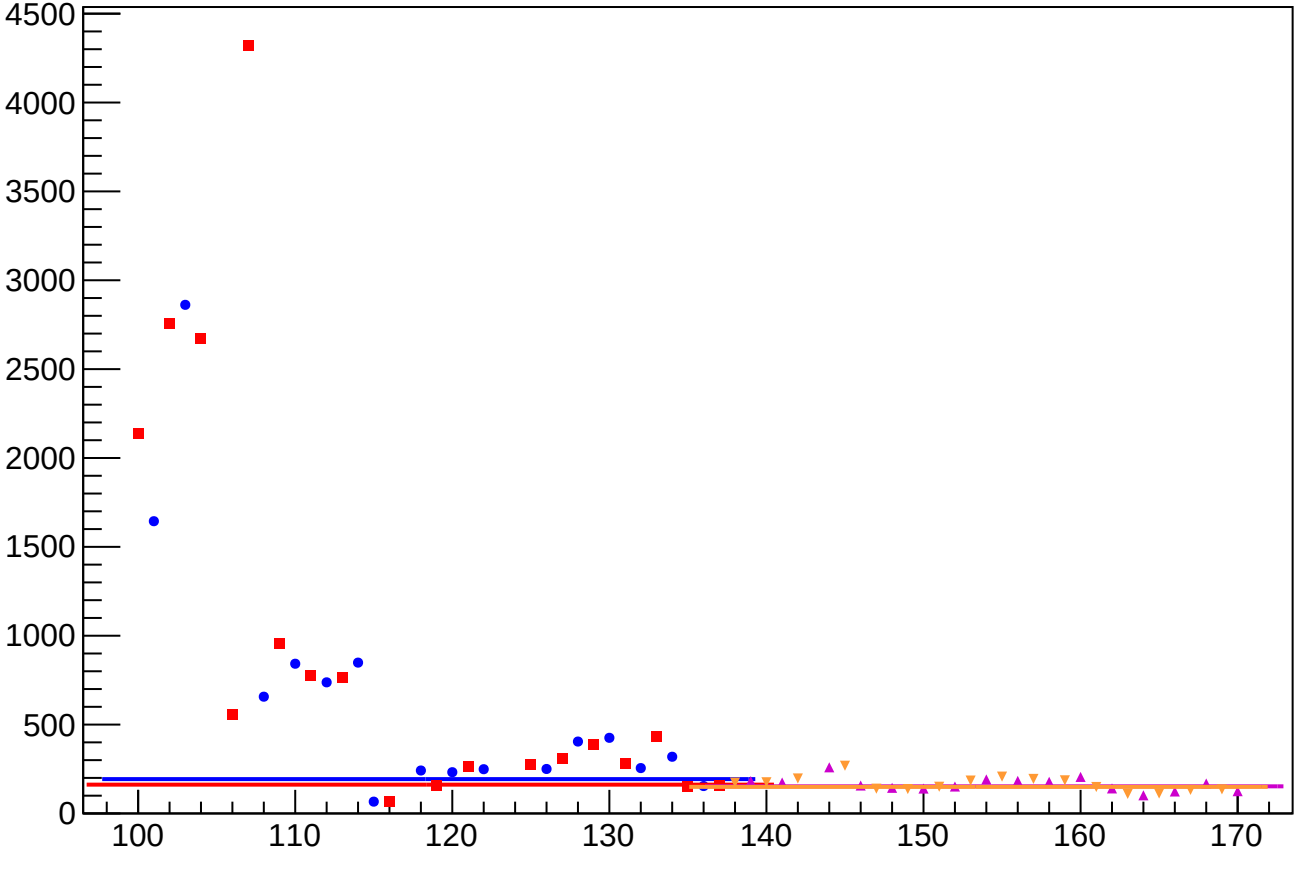
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 14.277+/-39.035 χ^2/NDF:26.4/31

Out: -177.234+/-38.770 χ^2/NDF:53.4/33

All: -82.129+/-27.508 χ^2/NDF: 91.9/65

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: 149.648+/-0.031 χ^2/NDF:1171988.9/15

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 152.613+/-0.030 χ^2/NDF:1109517.5/15

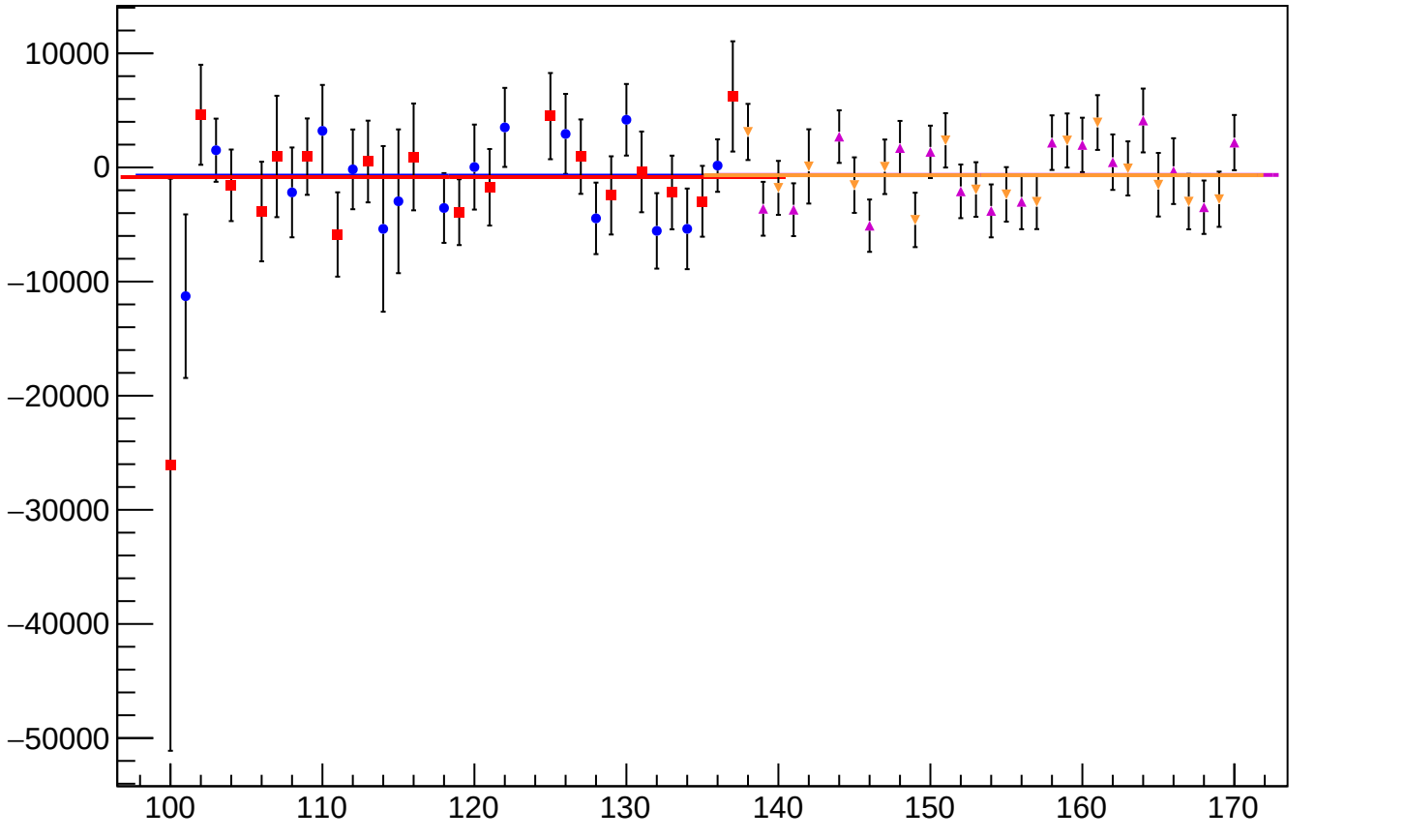
Left: 151.143+/-0.022 χ^2/NDF: 2286205.7/31

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 159.865+/-0.028 χ^2/NDF:7045201.5/31

Out: 152.177+/-0.027 χ^2/NDF:8275907.8/33

All: 155.995+/-0.019 χ^2/NDF: 15360164.0/65



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -679.262+/-613.205 χ^2/NDF:16.1/15

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -655.888+/-600.415 χ^2/NDF:22.7/15

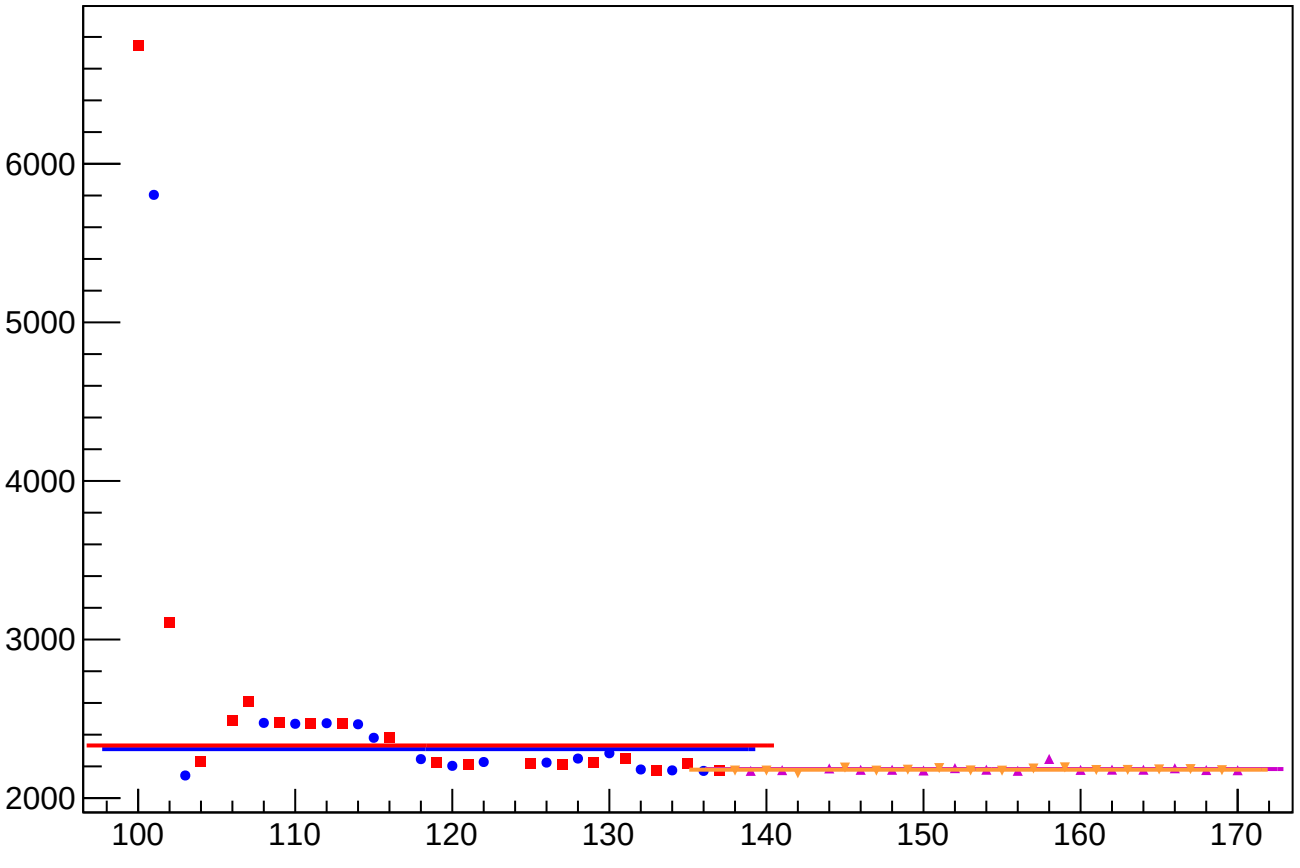
Left: -667.329+/-429.008 χ^2/NDF: 38.8/31

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -675.540+/-494.805 χ^2/NDF:38.6/31

Out: -733.032+/-501.899 χ^2/NDF:28.3/33

All: -703.877+/-352.361 χ^2/NDF: 66.9/65



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.207+/-0.434 χ^2/NDF:353.3/15

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.190+/-0.425 χ^2/NDF:1652.7/15

Left: 2181.240+/-0.303 χ^2/NDF: 2049.1/31

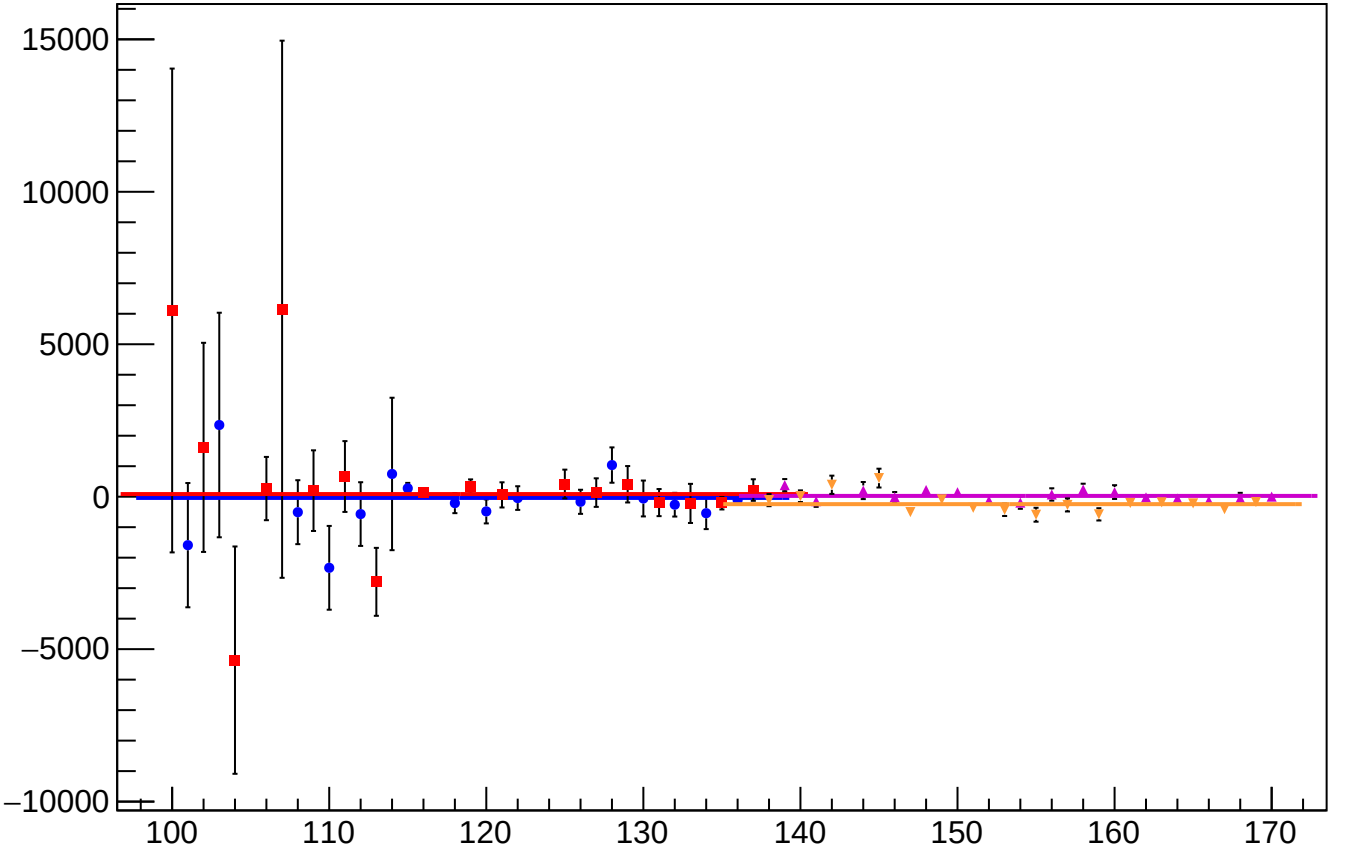
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2223.472+/-0.350 χ^2/NDF:543453.2/31

Out: 2229.591+/-0.355 χ^2/NDF:208581.4/33

All: 2226.488+/-0.249 χ^2/NDF: 752185.4/65

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: -244.304+/-43.423 χ^2/NDF:26.7/15

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 26.090+/-43.066 χ^2/NDF:12.0/15

Left: -107.989+/-30.578 χ^2/NDF: 58.2/31

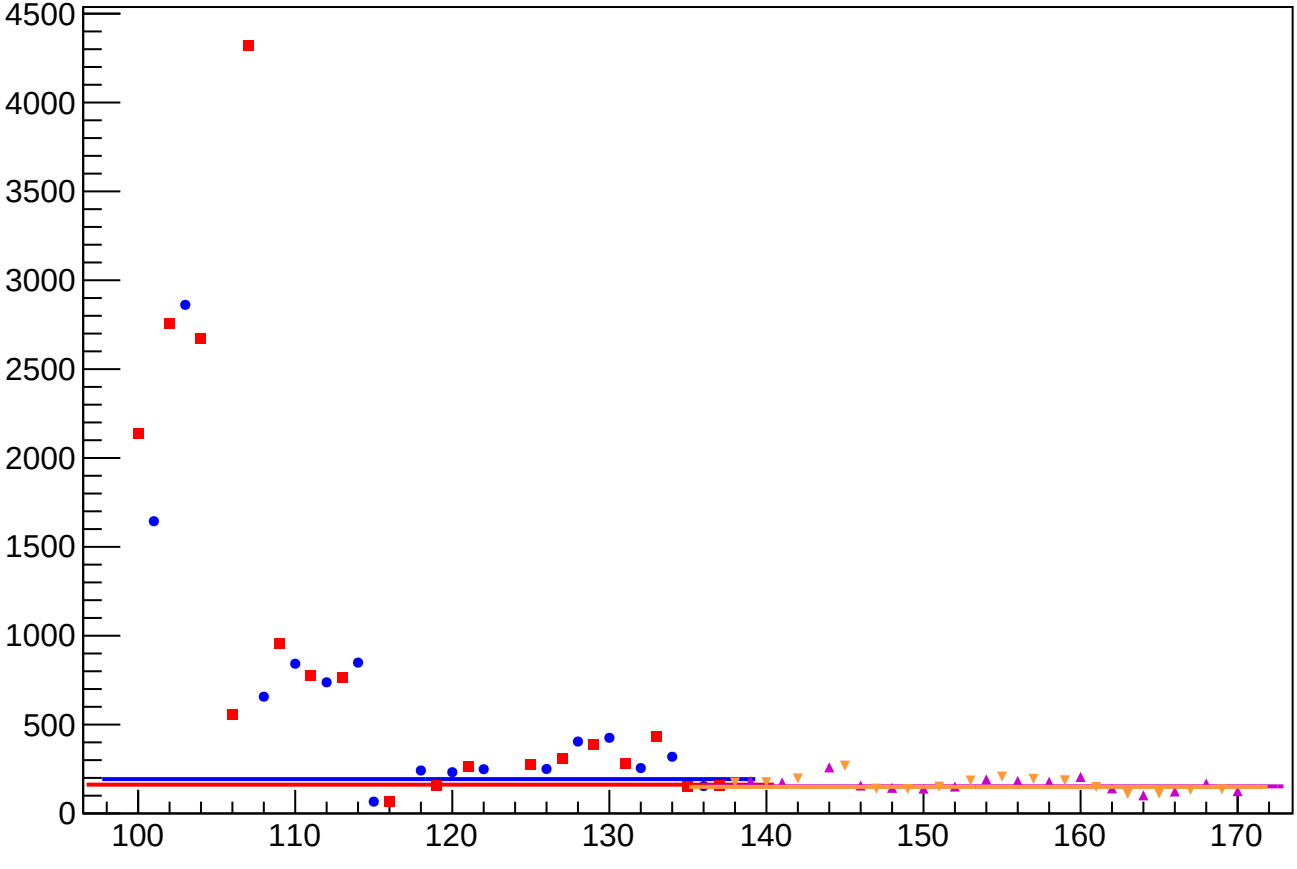
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 14.276+/-39.035 χ^2/NDF:26.4/31

Out: -177.233+/-38.770 χ^2/NDF:53.4/33

All: -82.129+/-27.508 χ^2/NDF: 91.9/65

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: 149.648+/-0.031 χ^2/NDF:1172024.1/15

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 152.613+/-0.030 χ^2/NDF:1109561.0/15

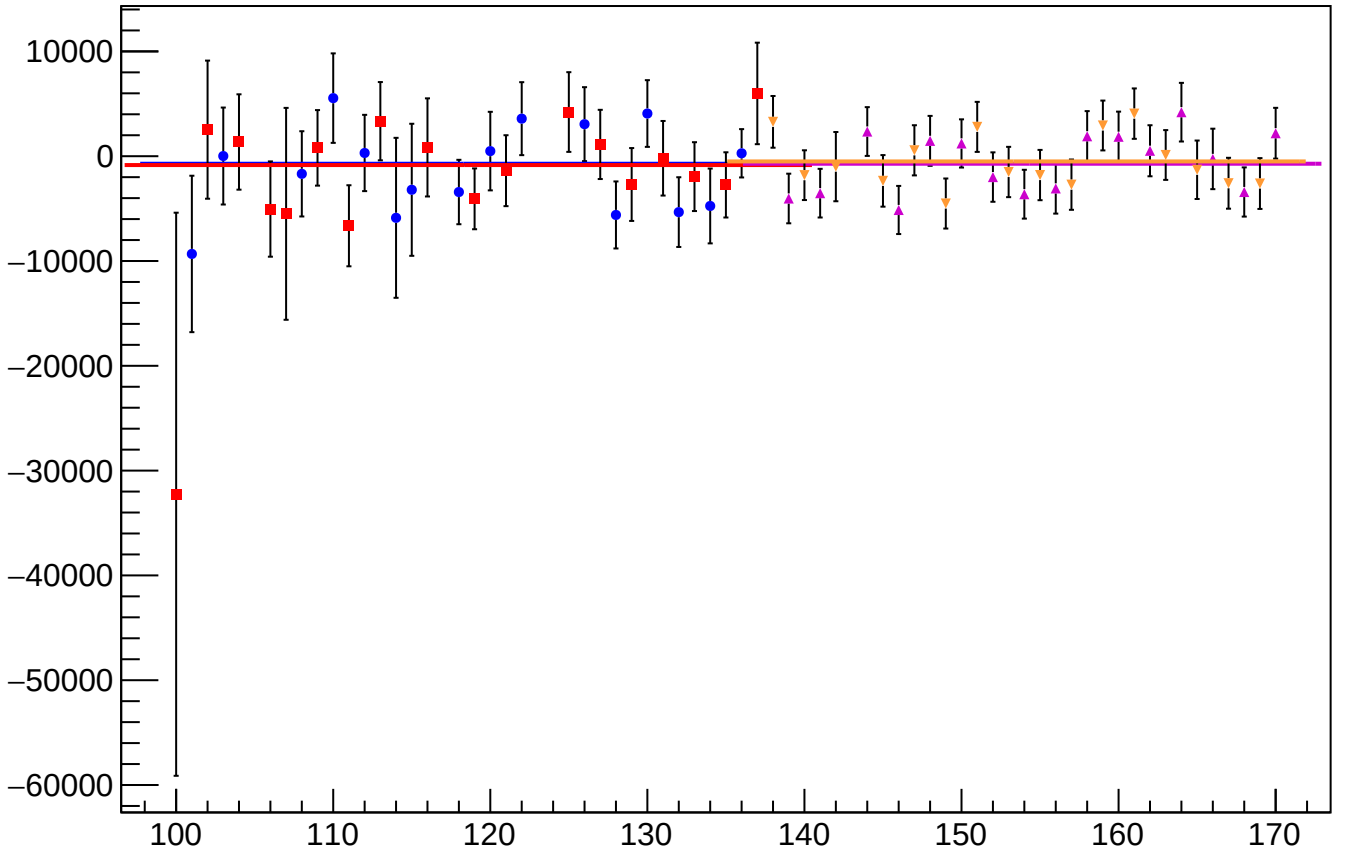
Left: 151.143+/-0.022 χ^2/NDF: 2286285.2/31

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 159.865+/-0.028 χ^2/NDF:7045249.2/31

Out: 152.176+/-0.027 χ^2/NDF:8275991.1/33

All: 155.994+/-0.019 χ^2/NDF: 15360298.8/65



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -498.768+/-615.415 χ^2/NDF:16.8/15

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -718.194+/-602.255 χ^2/NDF:21.7/15

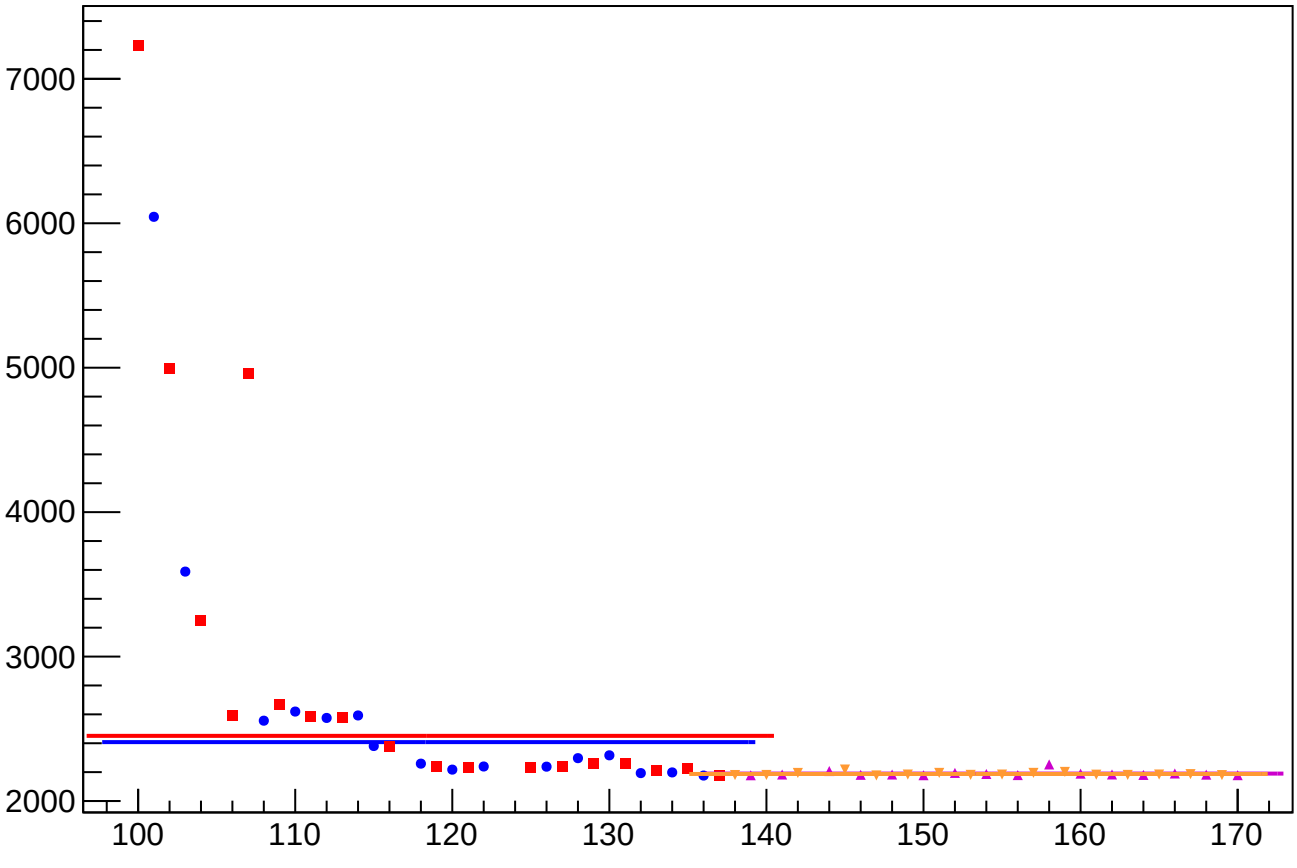
Left: -610.853+/-430.436 χ^2/NDF: 38.6/31

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -718.608+/-503.267 χ^2/NDF:37.5/31

Out: -604.356+/-513.003 χ^2/NDF:29.9/33

All: -662.577+/-359.256 χ^2/NDF: 67.4/65



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.254+/-0.435 χ^2/NDF:574.7/15

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2189.873+/-0.426 χ^2/NDF:1798.3/15

Left: 2188.592+/-0.304 χ^2/NDF: 2391.4/31

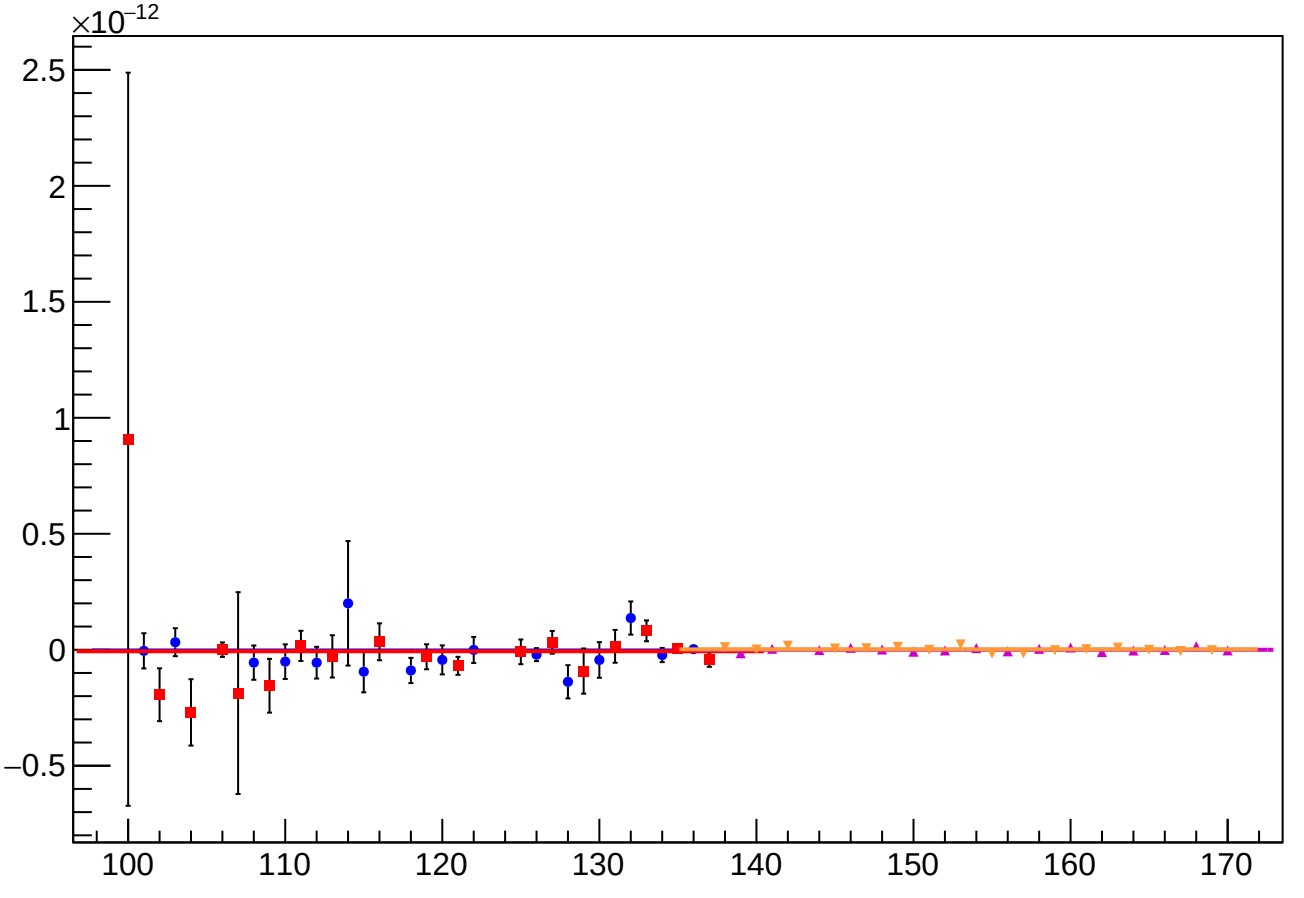
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2255.622+/-0.356 χ^2/NDF:757695.3/31

Out: 2267.789+/-0.363 χ^2/NDF:746421.7/33

All: 2261.589+/-0.254 χ^2/NDF: 1504690.2/65

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/15

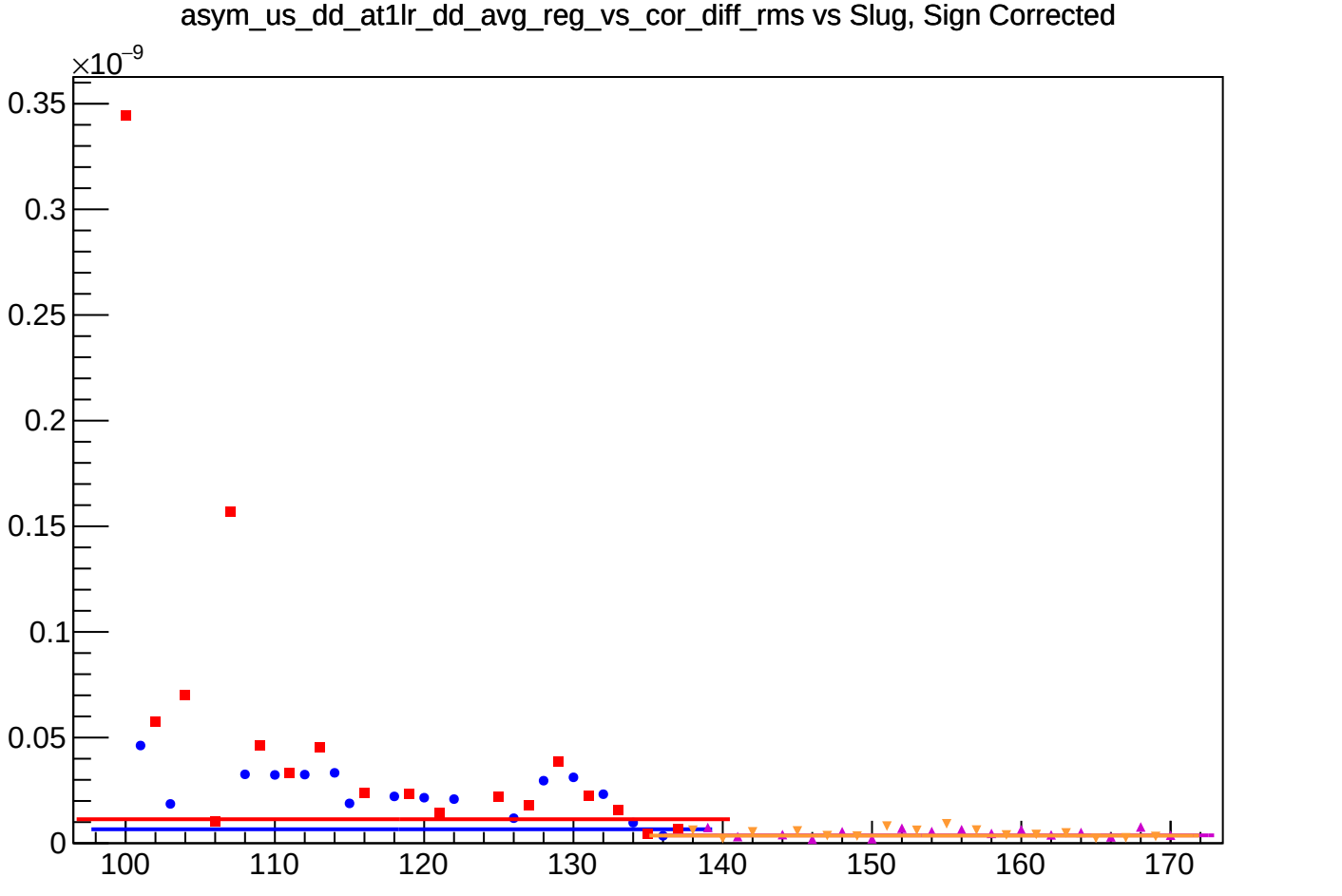
Left: 0.000+/-0.000 χ^2/NDF: 28.1/31

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

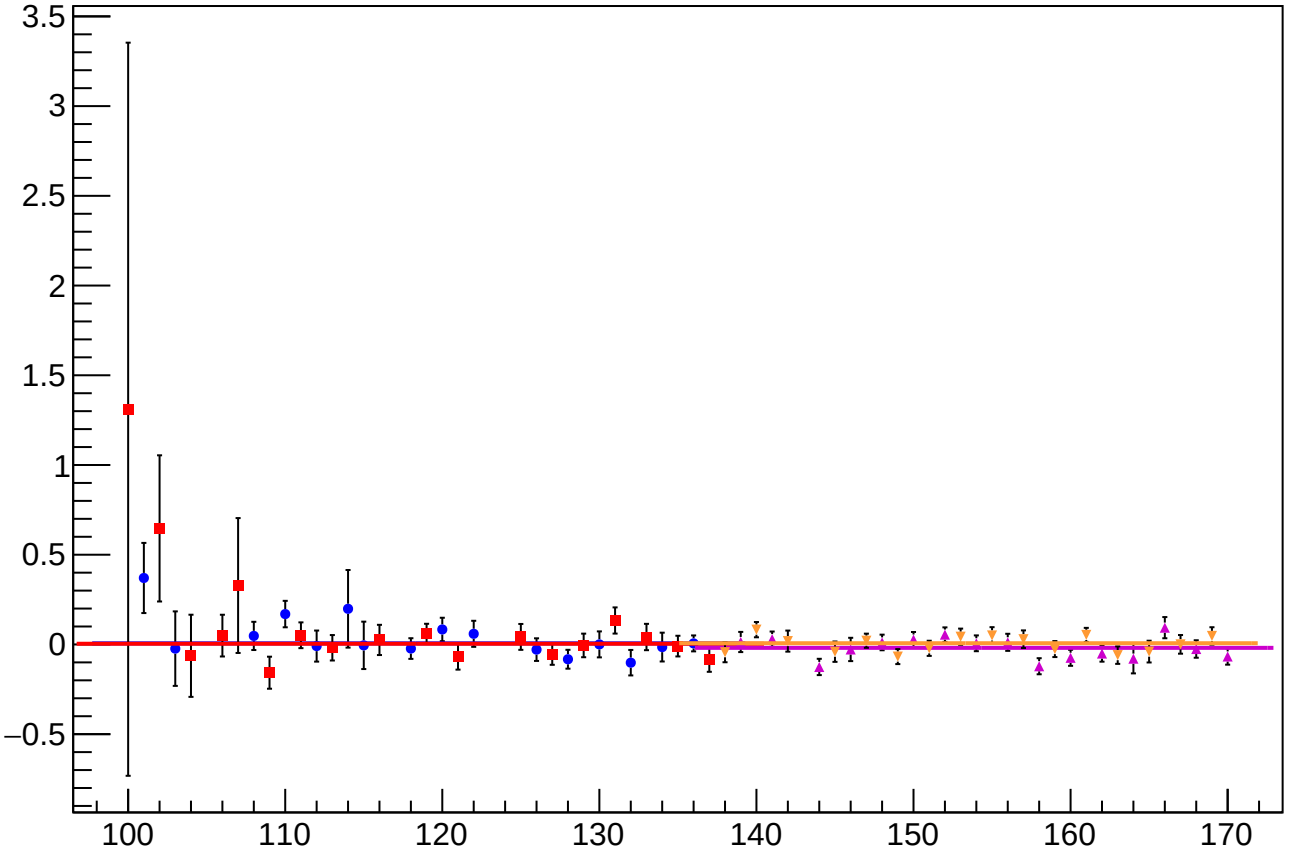
In: -0.000+/-0.000 χ^2/NDF:28.1/31

Out: 0.000+/-0.000 χ^2/NDF:34.9/33

All: 0.000+/-0.000 χ^2/NDF: 63.5/65


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:1420749.7/15
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1355702.5/15
Left: 0.000+/-0.000 χ²/NDF: 2779676.3/31
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4591331.9/31
Out: 0.000+/-0.000 χ²/NDF:5327871.6/33
All: 0.000+/-0.000 χ²/NDF: 9921880.7/65

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: 0.007+/-0.012 χ^2/NDF:15.3/15

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.006+/-0.008 χ^2/NDF: 43.1/31

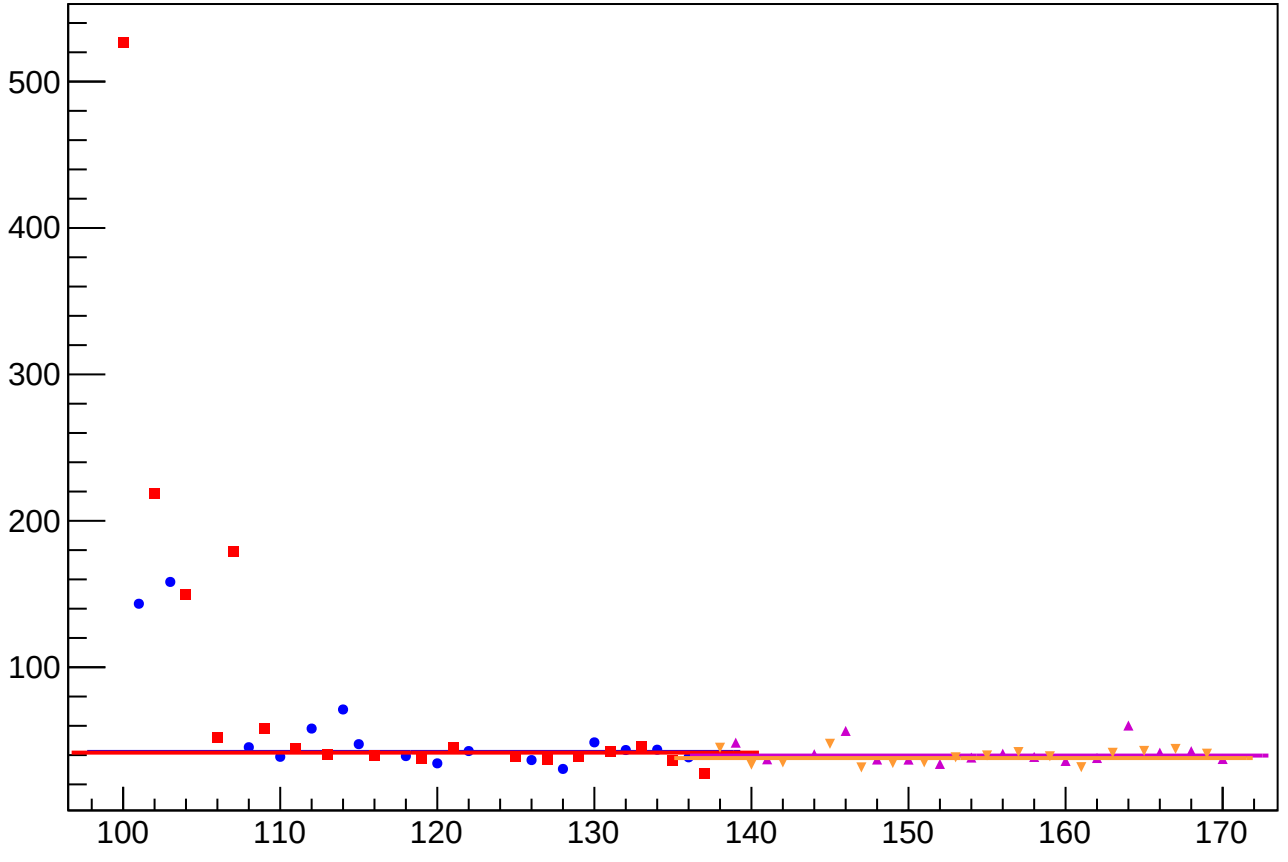
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.006+/-0.010 χ^2/NDF:31.6/33

All: -0.003+/-0.007 χ^2/NDF: 77.1/65

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.968+/-0.008 χ^2/NDF:323017.5/15

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.678+/-0.008 χ^2/NDF:407546.7/15

Left: 38.811+/-0.006 χ^2/NDF: 751517.0/31

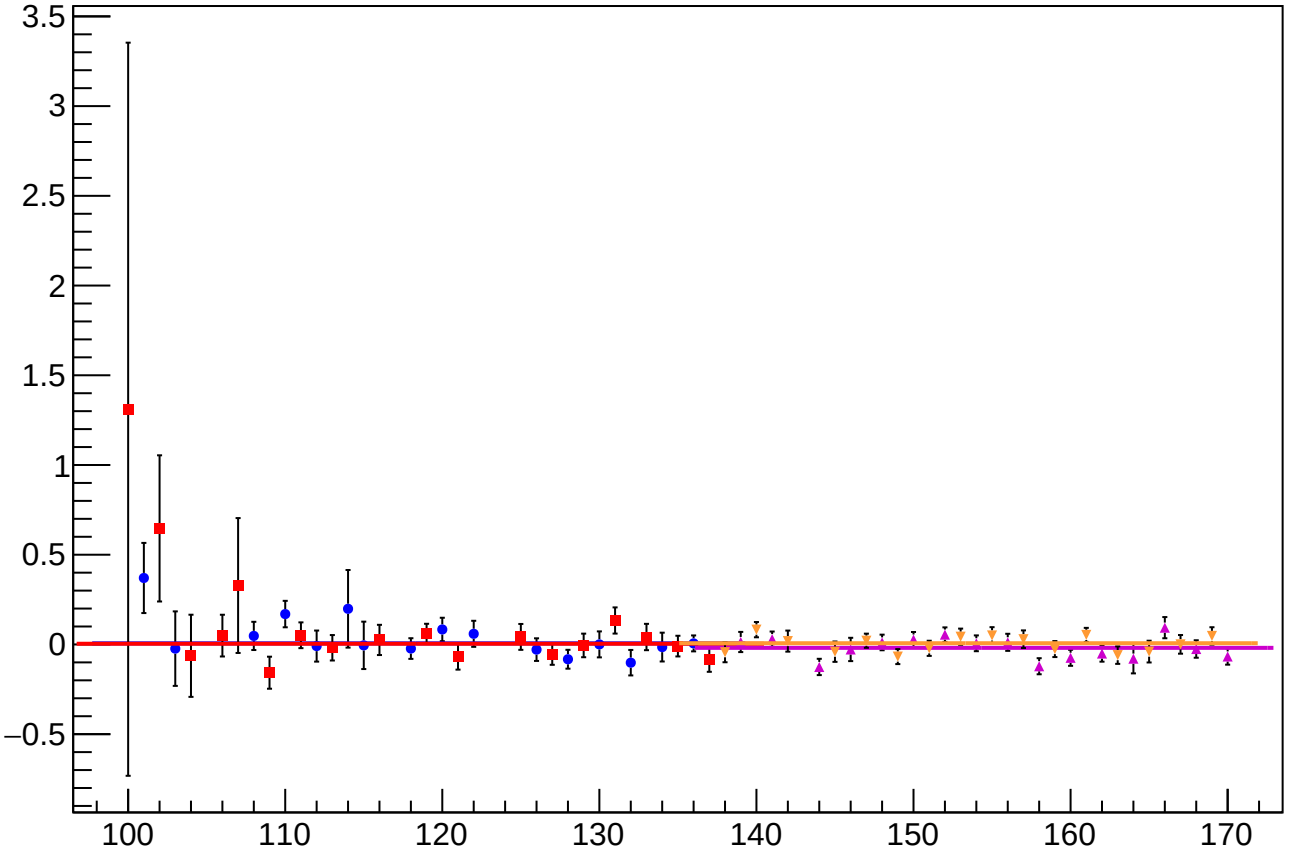
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.419+/-0.007 χ^2/NDF:1887983.9/31

Out: 39.029+/-0.007 χ^2/NDF:1821620.5/33

All: 39.721+/-0.005 χ^2/NDF: 3729145.5/65

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: 0.007+/-0.012 χ^2/NDF:15.3/15

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.006+/-0.008 χ^2/NDF: 43.1/31

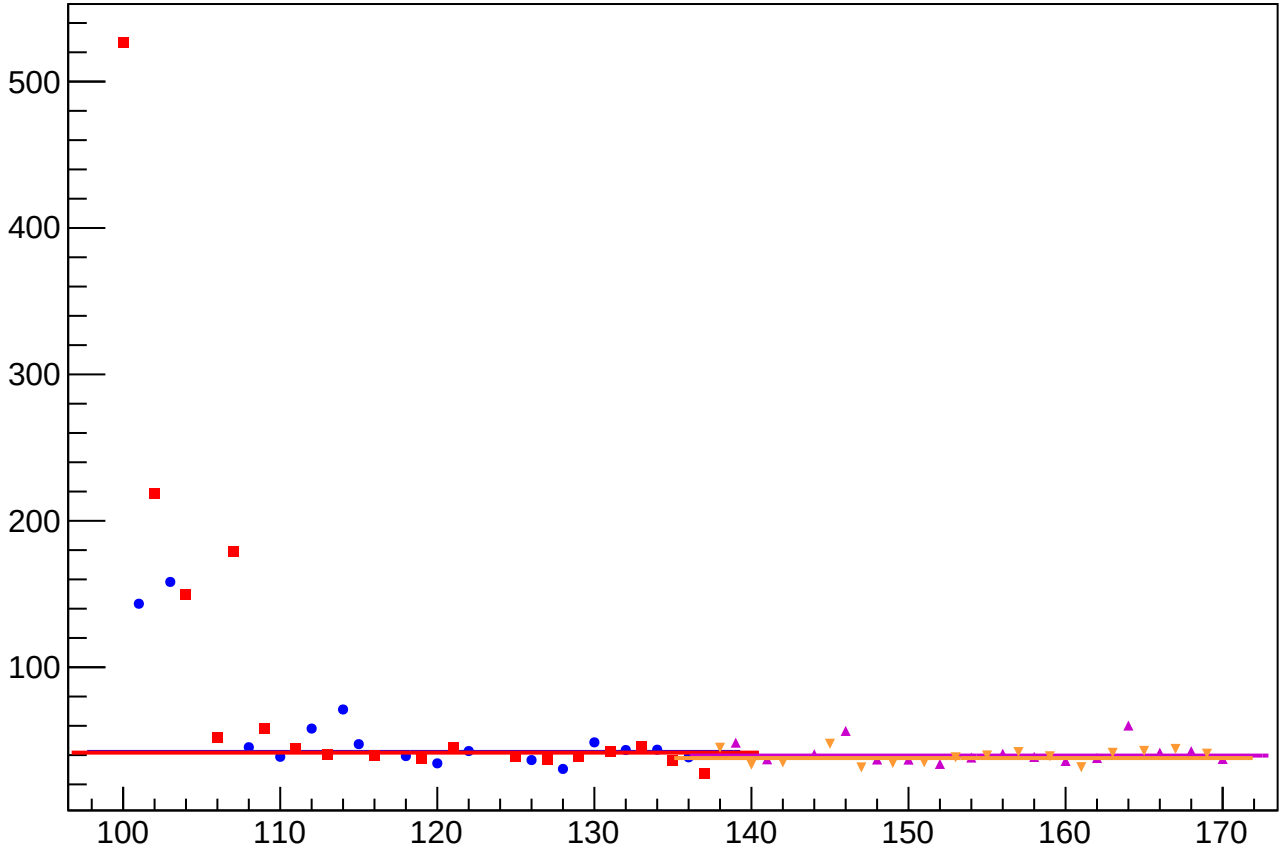
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.006+/-0.010 χ^2/NDF:31.6/33

All: -0.003+/-0.007 χ^2/NDF: 77.1/65

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.968+/-0.008 χ^2/NDF:323017.5/15

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.678+/-0.008 χ^2/NDF:407546.7/15

Left: 38.811+/-0.006 χ^2/NDF: 751517.0/31

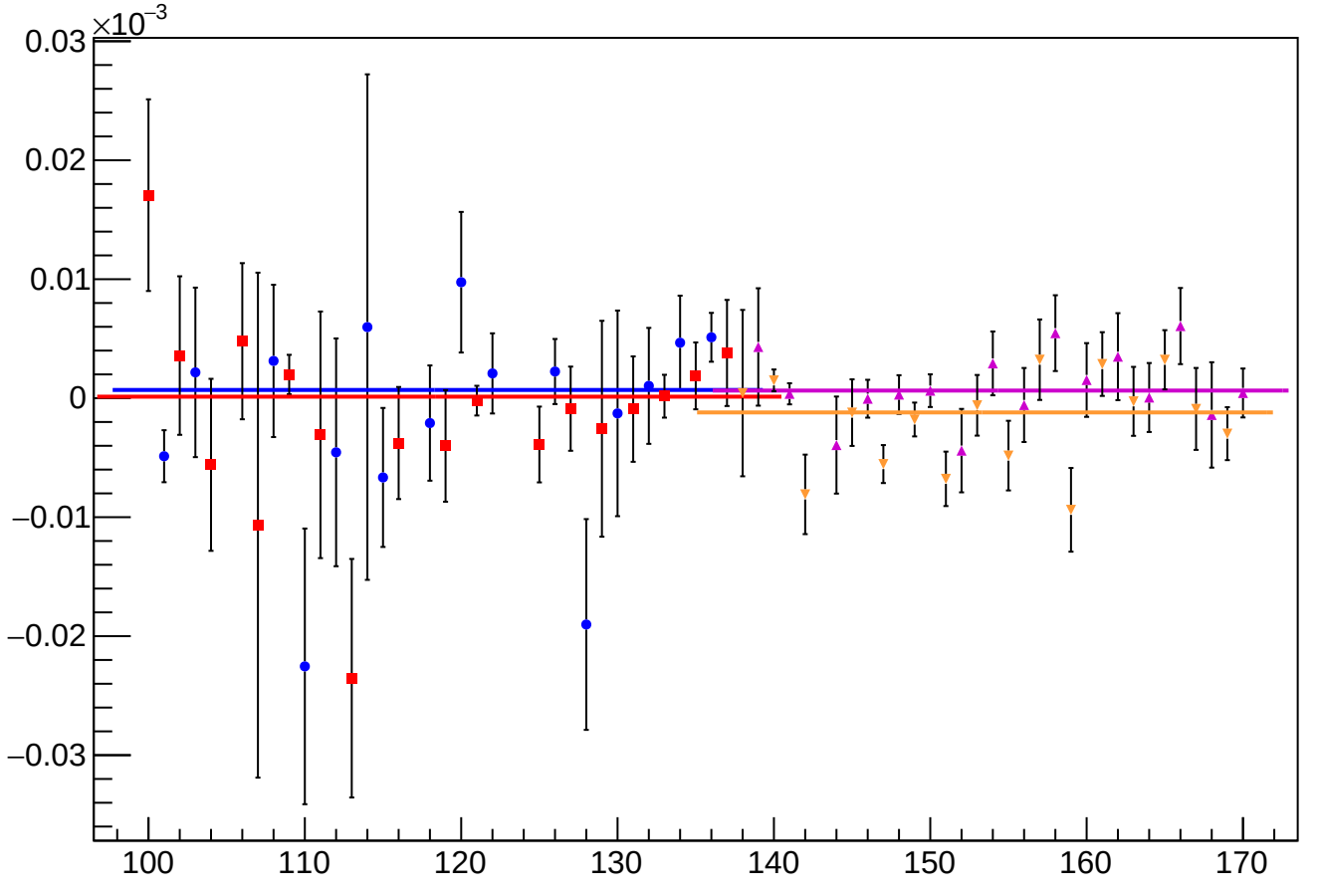
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.419+/-0.007 χ^2/NDF:1887983.9/31

Out: 39.029+/-0.007 χ^2/NDF:1821620.5/33

All: 39.721+/-0.005 χ^2/NDF: 3729145.5/65

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/15

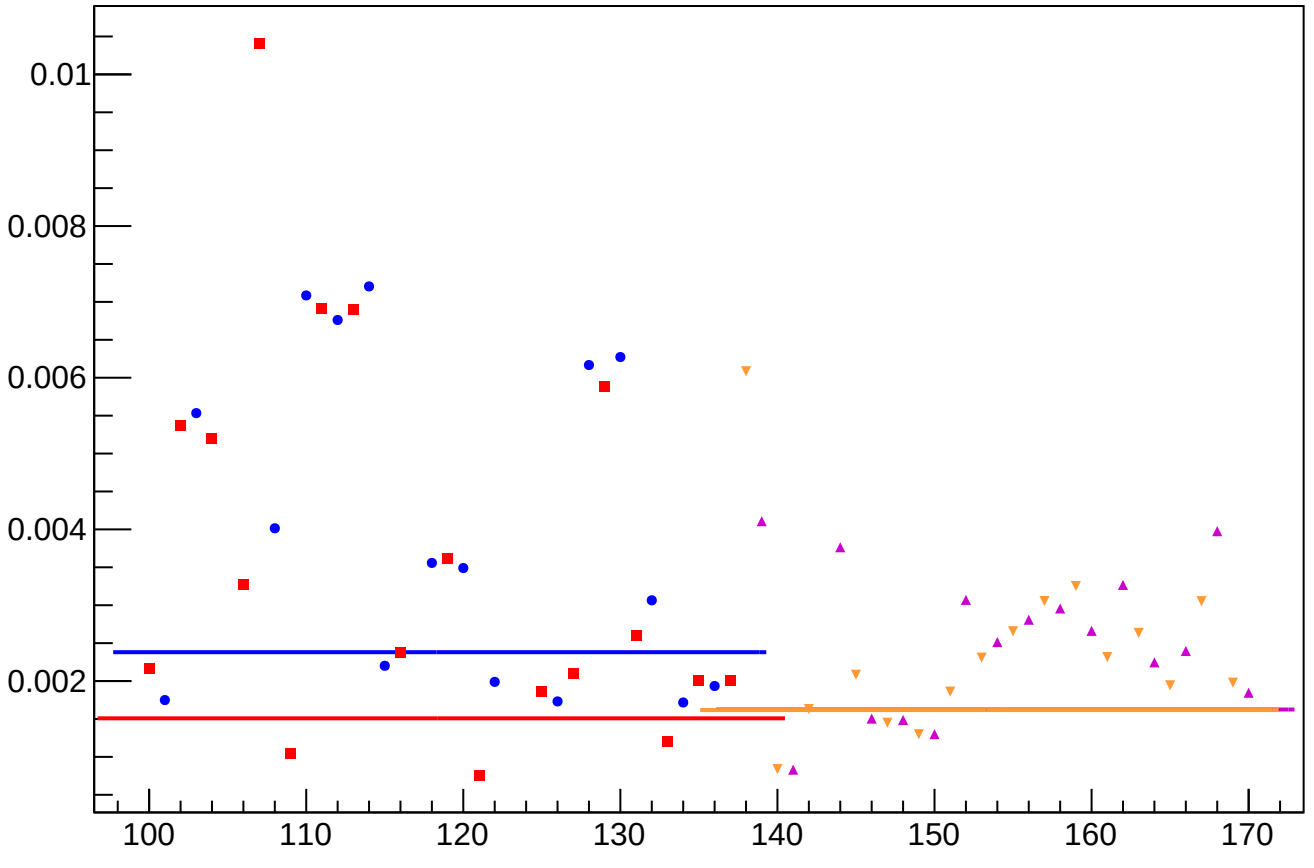
Left: -0.000+/-0.000 χ^2/NDF: 58.9/31

Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.7/31

Out: -0.000+/-0.000 χ^2/NDF:61.0/33

All: -0.000+/-0.000 χ^2/NDF: 103.7/65



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4468694.6/15

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:5416877.0/15

Left: 0.002+/-0.000 χ^2/NDF: 9885760.8/31

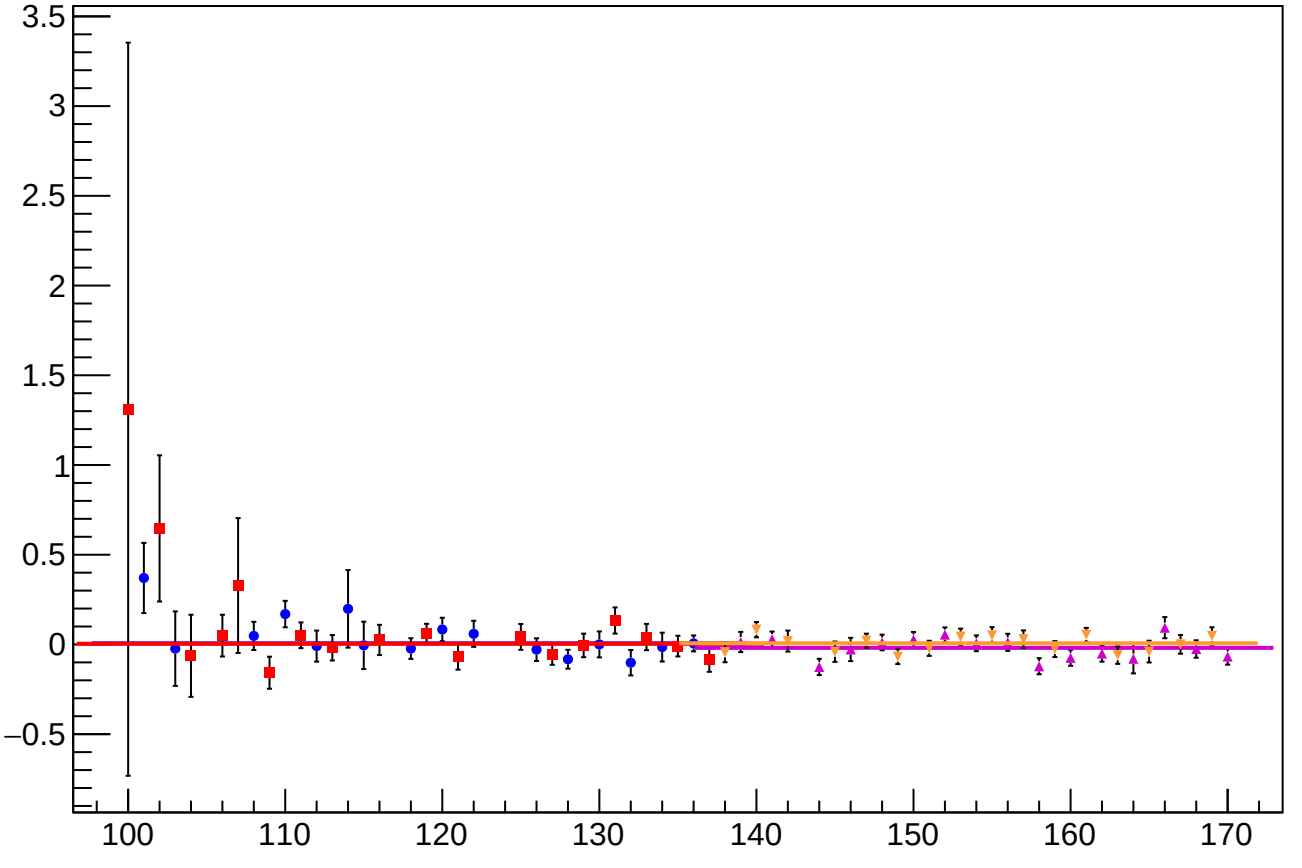
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:9128055.6/31

Out: 0.002+/-0.000 χ^2/NDF:9500384.4/33

All: 0.002+/-0.000 χ^2/NDF: 18830715.9/65

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: 0.007+/-0.012 χ^2/NDF:15.3/15

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.006+/-0.008 χ^2/NDF: 43.1/31

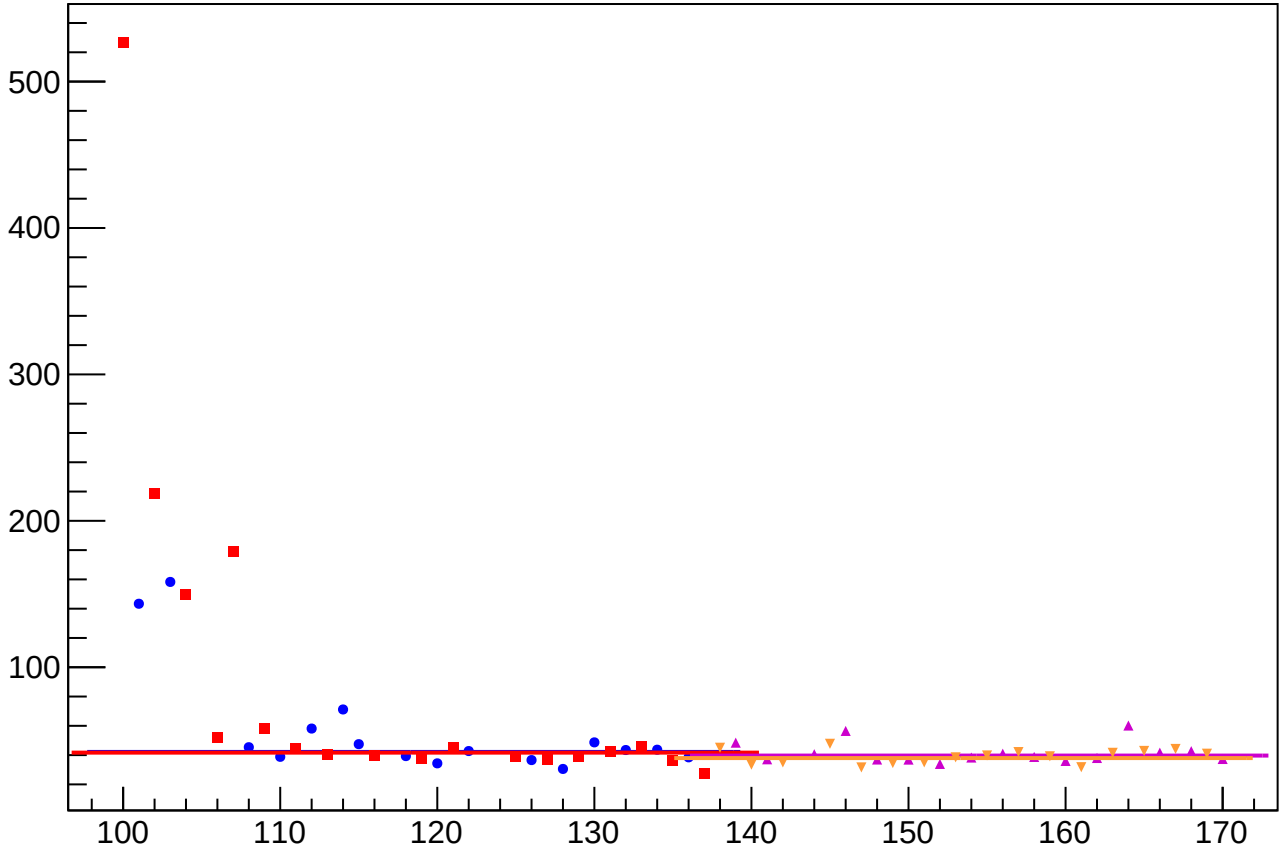
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.006+/-0.010 χ^2/NDF:31.6/33

All: -0.003+/-0.007 χ^2/NDF: 77.1/65

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.968+/-0.008 χ^2/NDF:323006.4/15

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.678+/-0.008 χ^2/NDF:407582.8/15

Left: 38.812+/-0.006 χ^2/NDF: 751538.0/31

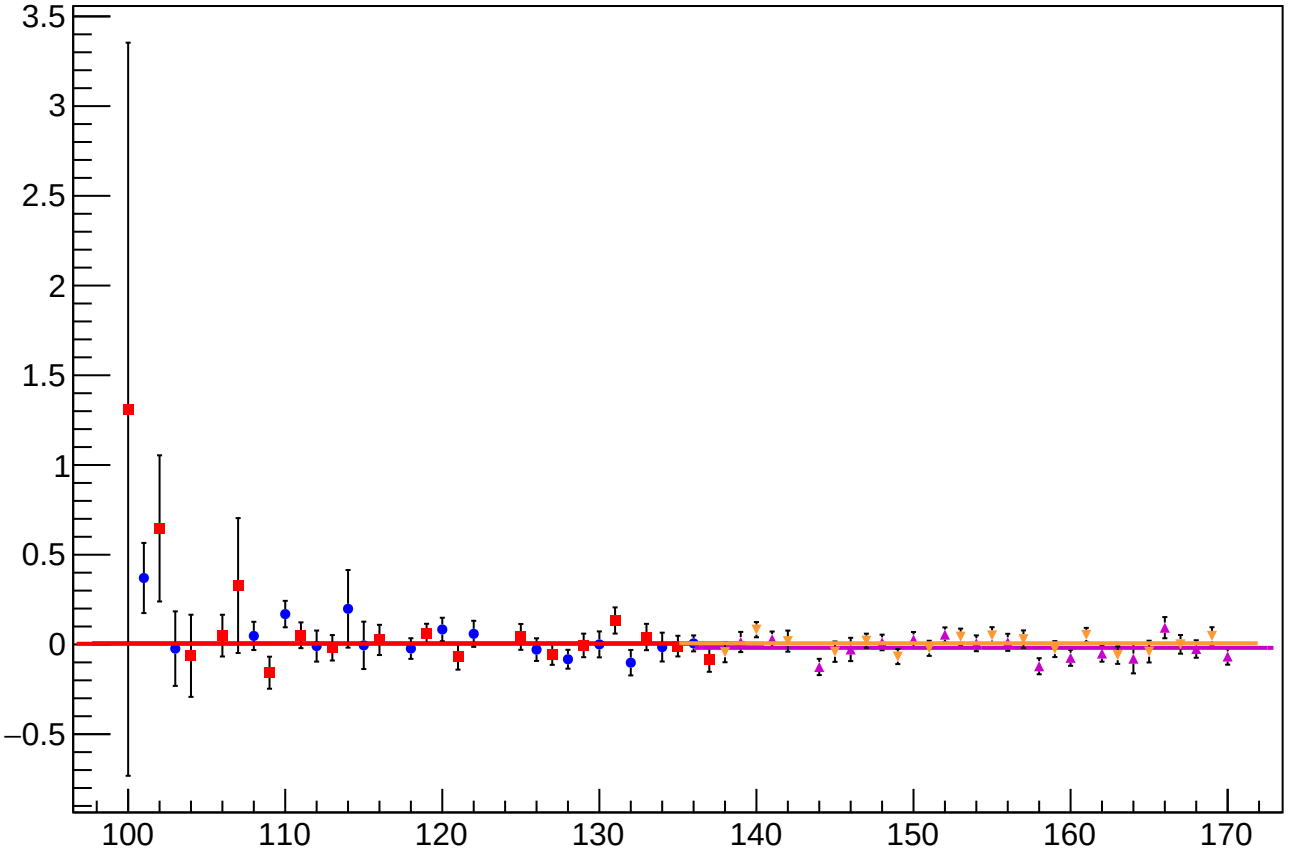
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.418+/-0.007 χ^2/NDF:1888184.4/31

Out: 39.029+/-0.007 χ^2/NDF:1821599.2/33

All: 39.721+/-0.005 χ^2/NDF: 3729298.5/65

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: 0.007+/-0.012 χ^2/NDF:15.3/15

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.006+/-0.008 χ^2/NDF: 43.1/31

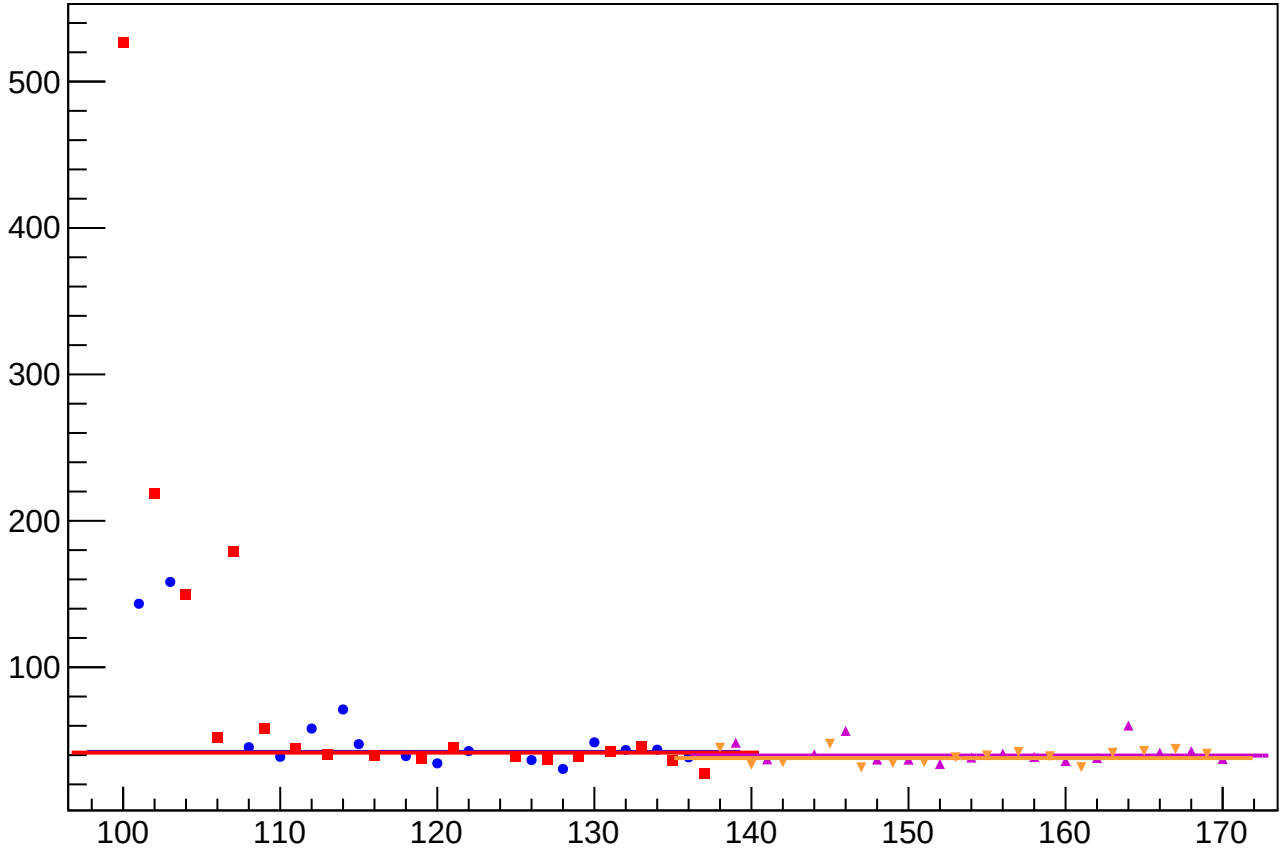
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.006+/-0.010 χ^2/NDF:31.6/33

All: -0.003+/-0.007 χ^2/NDF: 77.1/65

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.968+/-0.008 χ^2/NDF:323006.4/15

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.678+/-0.008 χ^2/NDF:407582.8/15

Left: 38.812+/-0.006 χ^2/NDF: 751538.0/31

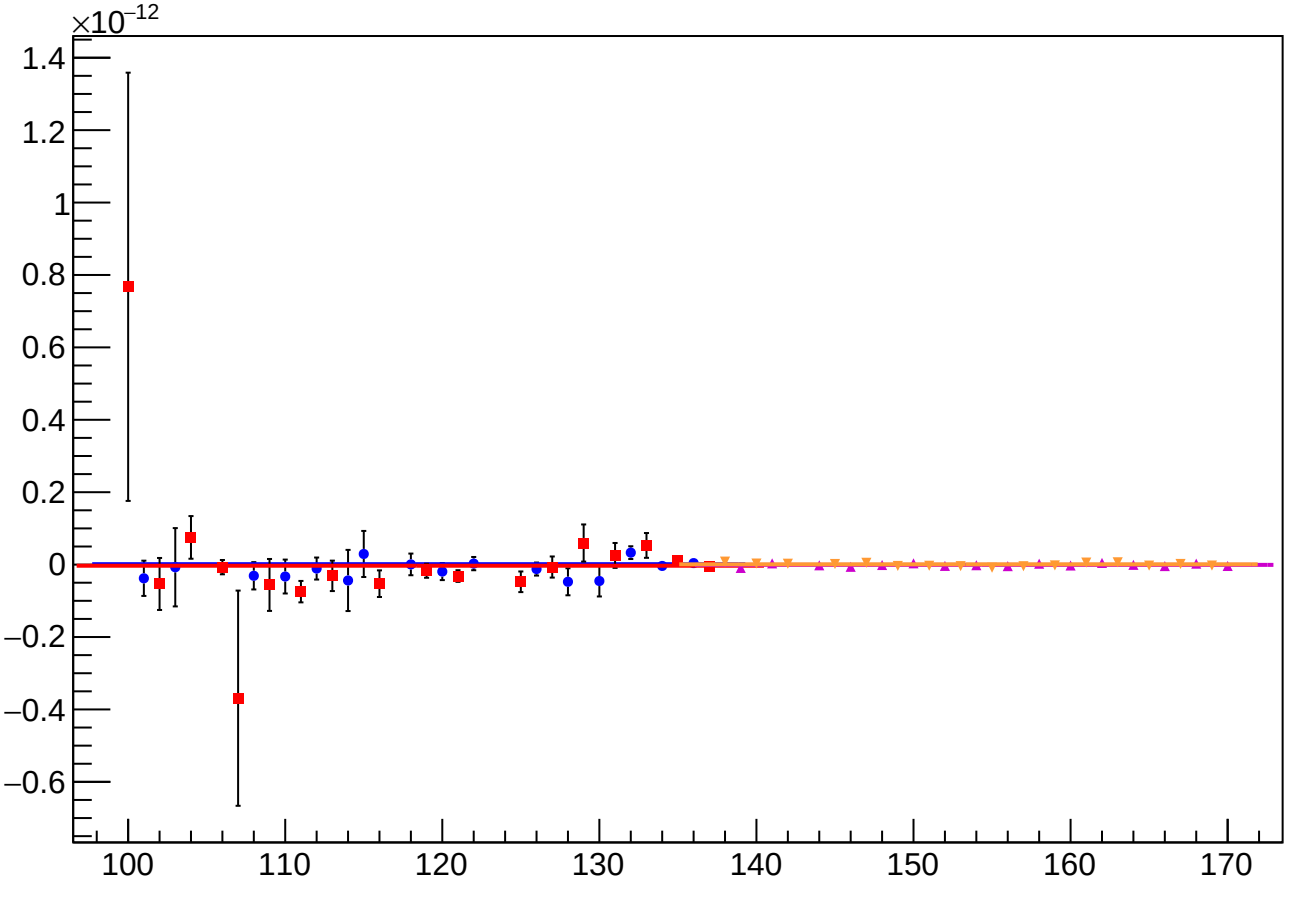
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.418+/-0.007 χ^2/NDF:1888184.4/31

Out: 39.029+/-0.007 χ^2/NDF:1821599.2/33

All: 39.721+/-0.005 χ^2/NDF: 3729298.5/65

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/15

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.3/15

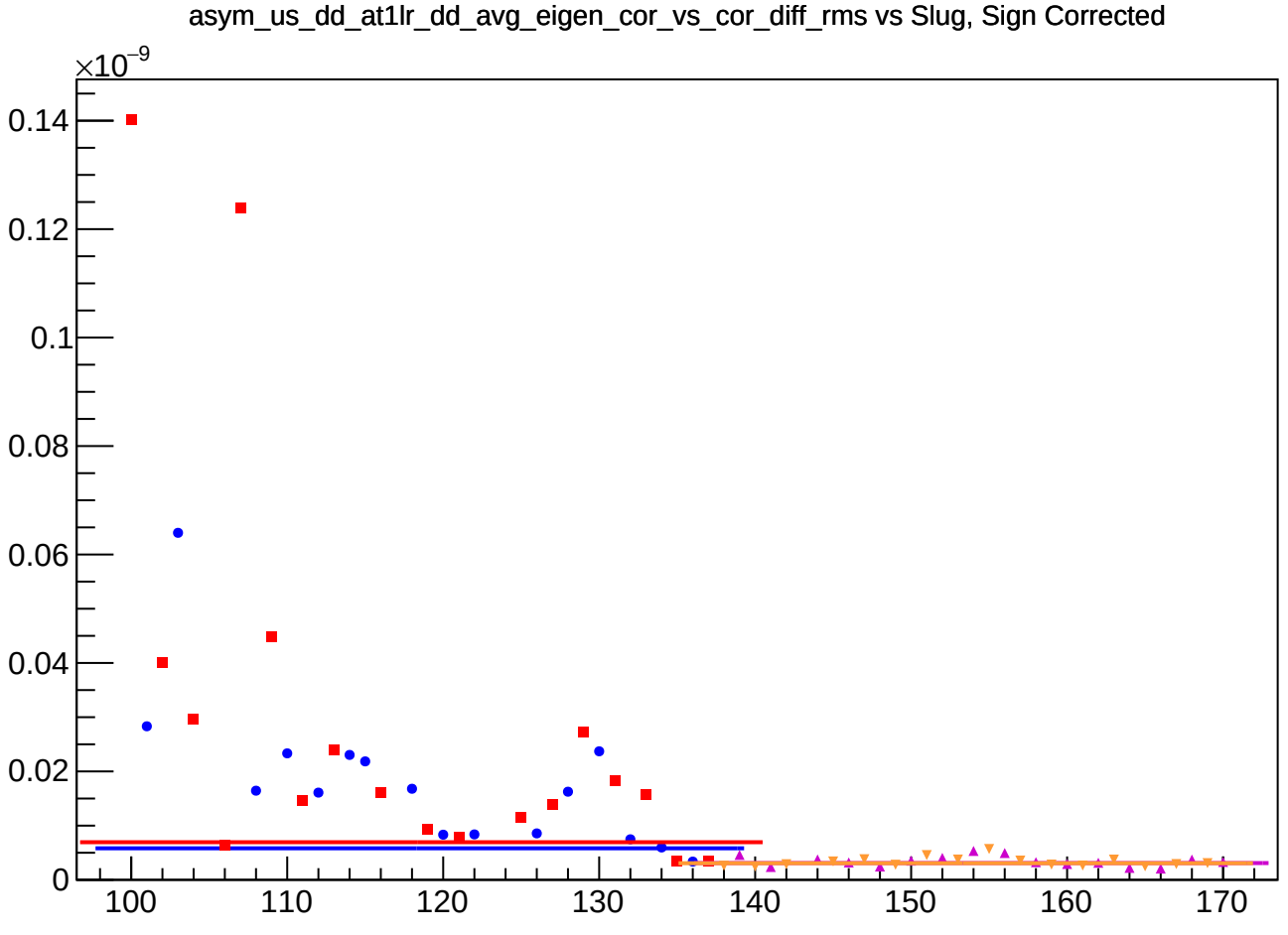
Left: 0.000+/-0.000 χ^2/NDF: 22.6/31

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:20.1/31

Out: 0.000+/-0.000 χ^2/NDF:41.9/33

All: -0.000+/-0.000 χ^2/NDF: 62.5/65



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:577002.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:967467.1/15

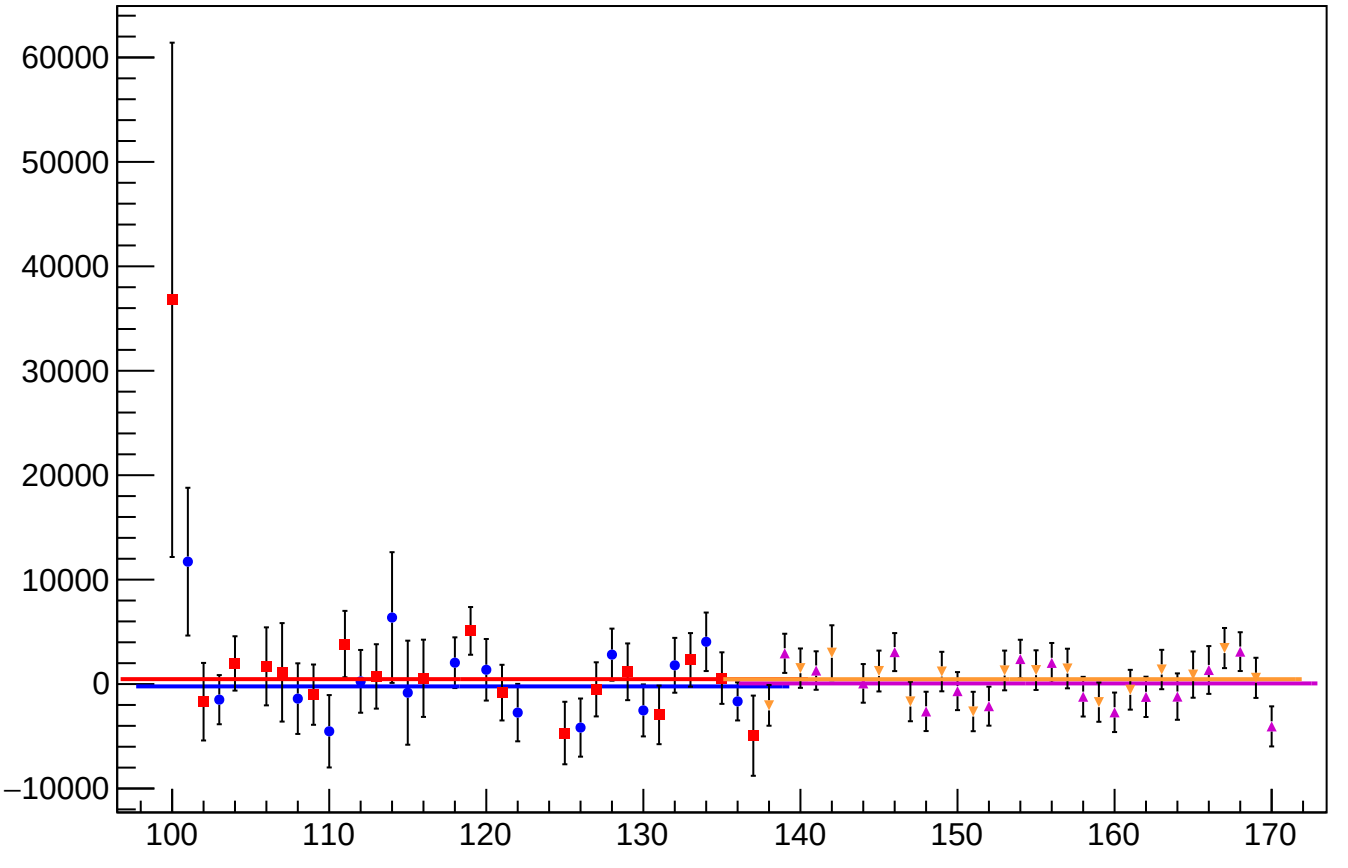
Left: 0.000+/-0.000 χ^2/NDF: 1544983.7/31

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:5148274.2/31

Out: 0.000+/-0.000 χ^2/NDF:5622250.4/33

All: 0.000+/-0.000 χ^2/NDF: 10770884.9/65



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 467.109+/-487.534 χ^2/NDF:12.2/15

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 62.568+/-477.072 χ^2/NDF:22.7/15

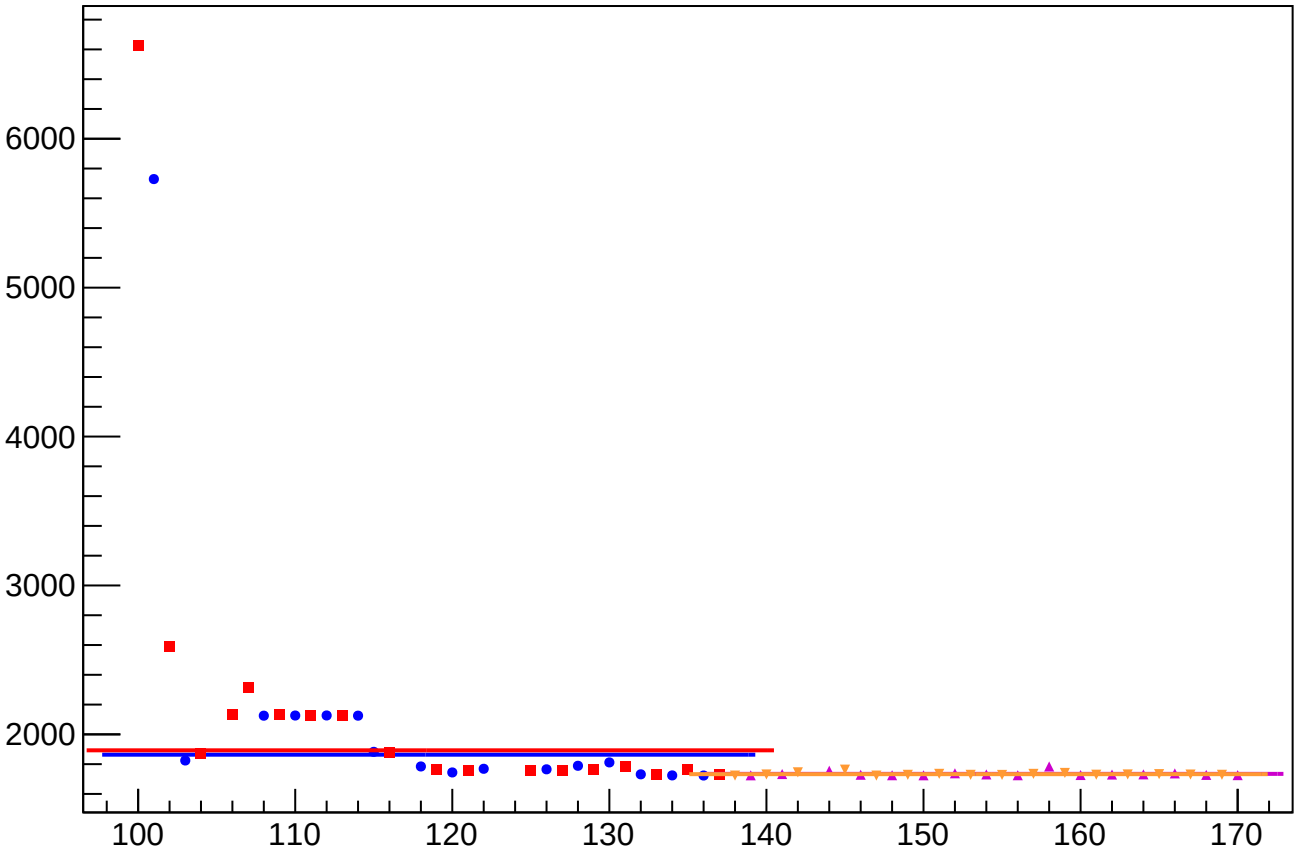
Left: 260.451+/-340.980 χ^2/NDF: 35.3/31

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -26.399+/-395.836 χ^2/NDF:38.6/31

Out: 468.803+/-402.172 χ^2/NDF:28.1/33

All: 217.270+/-282.111 χ^2/NDF: 67.5/65



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1732.739+/-0.345 χ^2/NDF:728.8/15

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

Left: 1733.736+/-0.241 χ^2/NDF: 2728.4/31

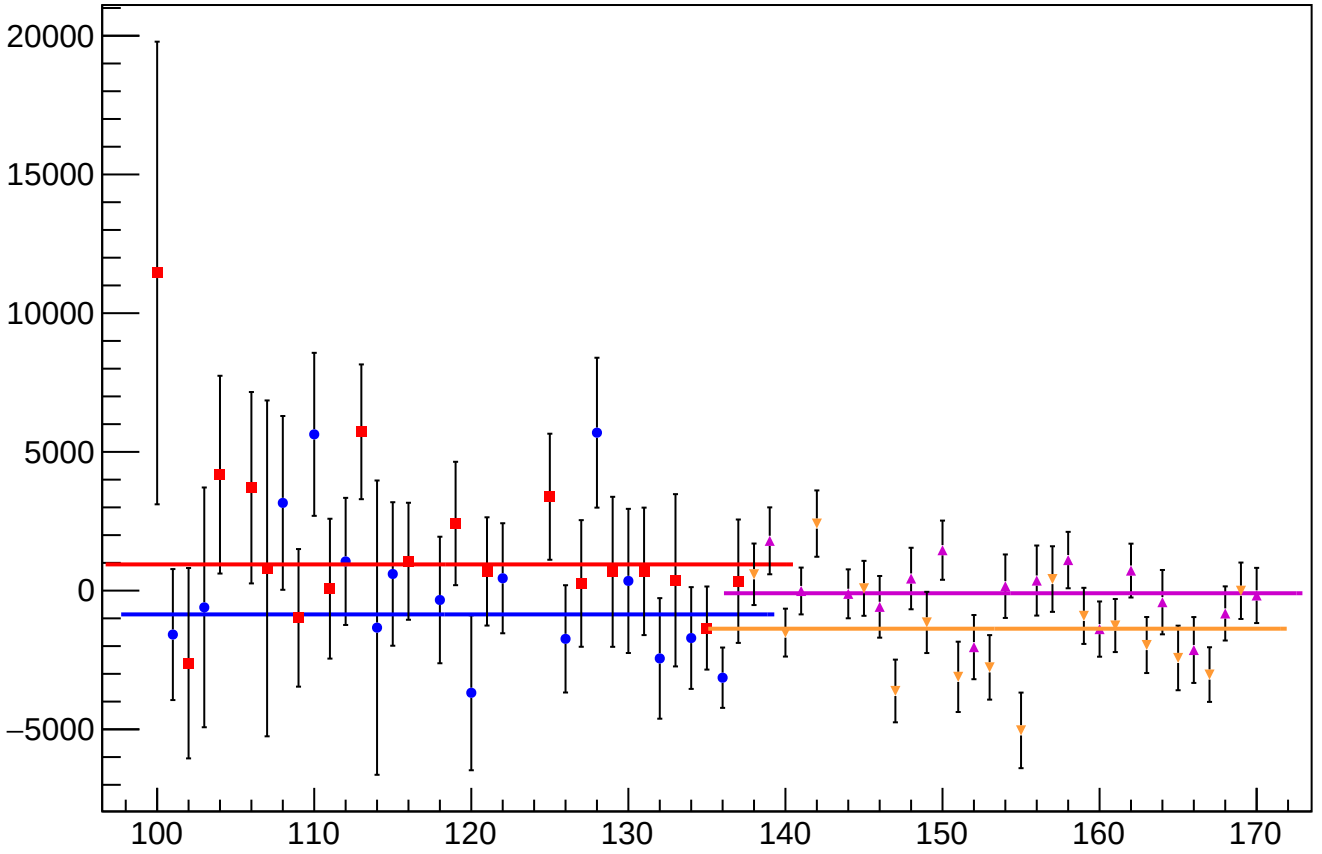
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1774.848+/-0.280 χ^2/NDF:722132.3/31

Out: 1783.903+/-0.284 χ^2/NDF:321178.9/33

All: 1779.304+/-0.199 χ^2/NDF: 1043826.2/65

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: -1372.875+/-268.388 χ^2/NDF:38.2/15

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -94.788+/-261.995 χ^2/NDF:15.4/15

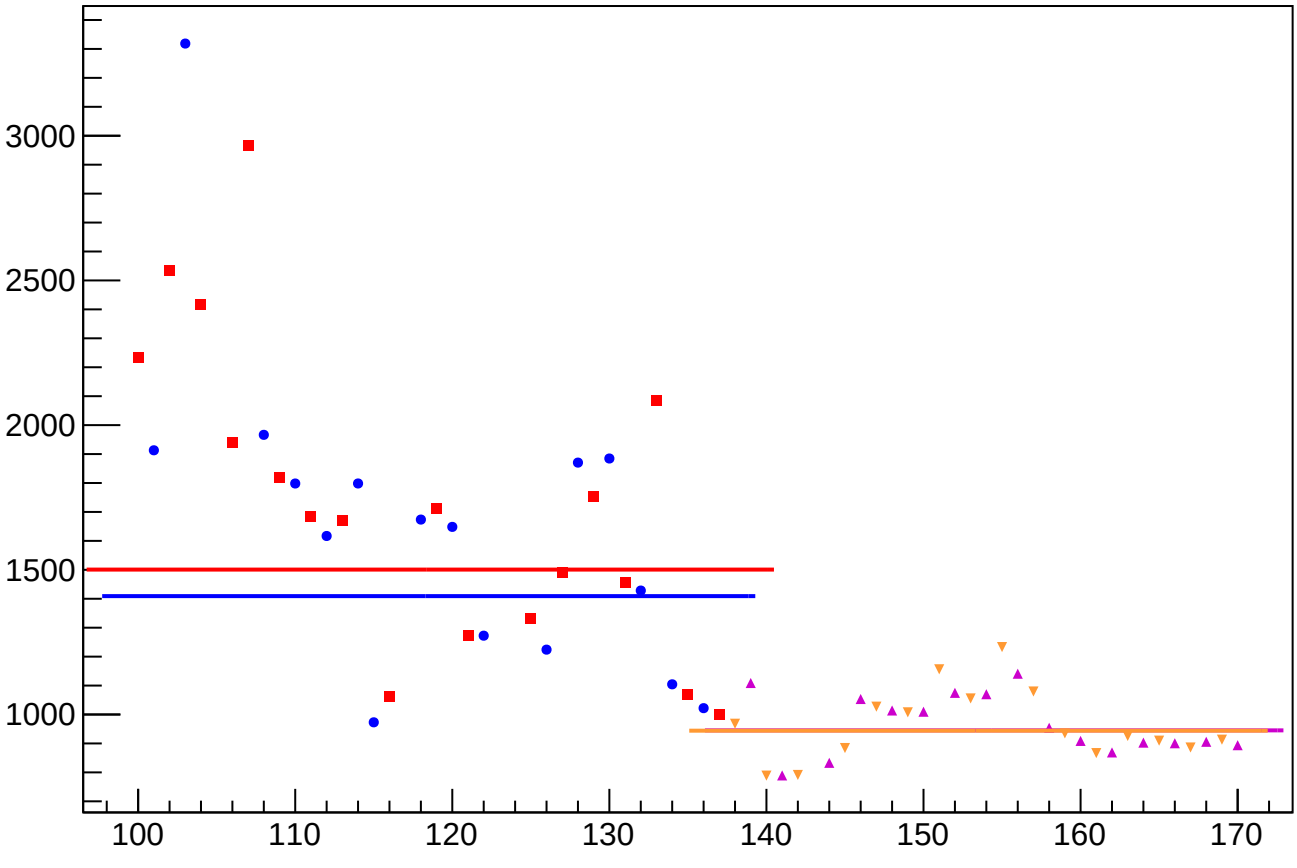
Left: -718.427+/-187.478 χ^2/NDF: 65.2/31

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -235.898+/-236.513 χ^2/NDF:37.6/31

Out: -968.708+/-243.866 χ^2/NDF:64.1/33

All: -591.089+/-169.780 χ^2/NDF: 106.3/65



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 944.103+/-0.190 χ^2/NDF:338240.9/15

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 945.194+/-0.185 χ^2/NDF:297588.3/15

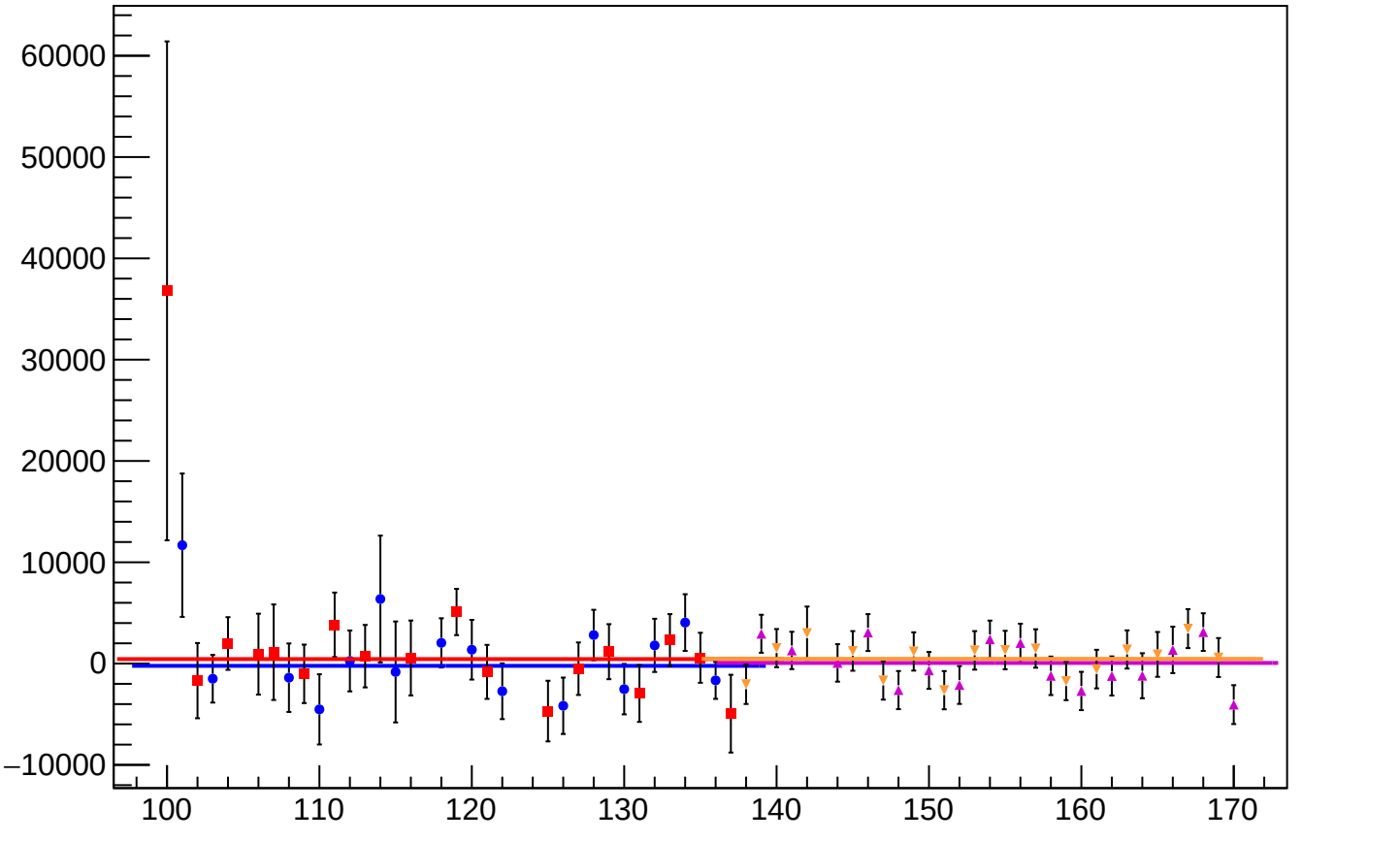
Left: 944.662+/-0.133 χ^2/NDF: 635846.1/31

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1031.044+/-0.167 χ^2/NDF:2625705.6/31

Out: 1041.186+/-0.172 χ^2/NDF:2869614.3/33

All: 1035.960+/-0.120 χ^2/NDF: 5497102.5/65



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.182+/-487.534 χ^2/NDF:12.2/15

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 62.639+/-477.072 χ^2/NDF:22.7/15

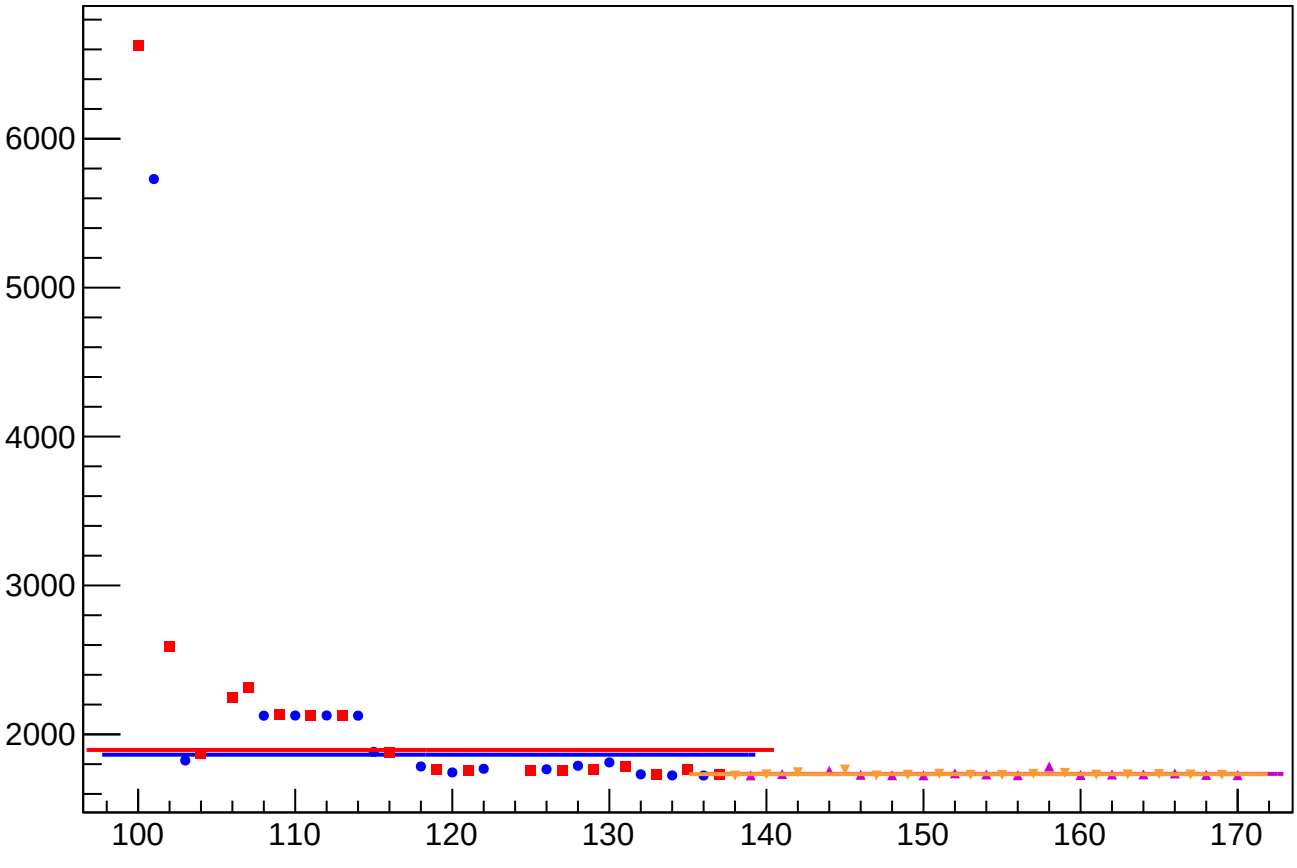
Left: 260.524+/-340.980 χ^2/NDF: 35.3/31

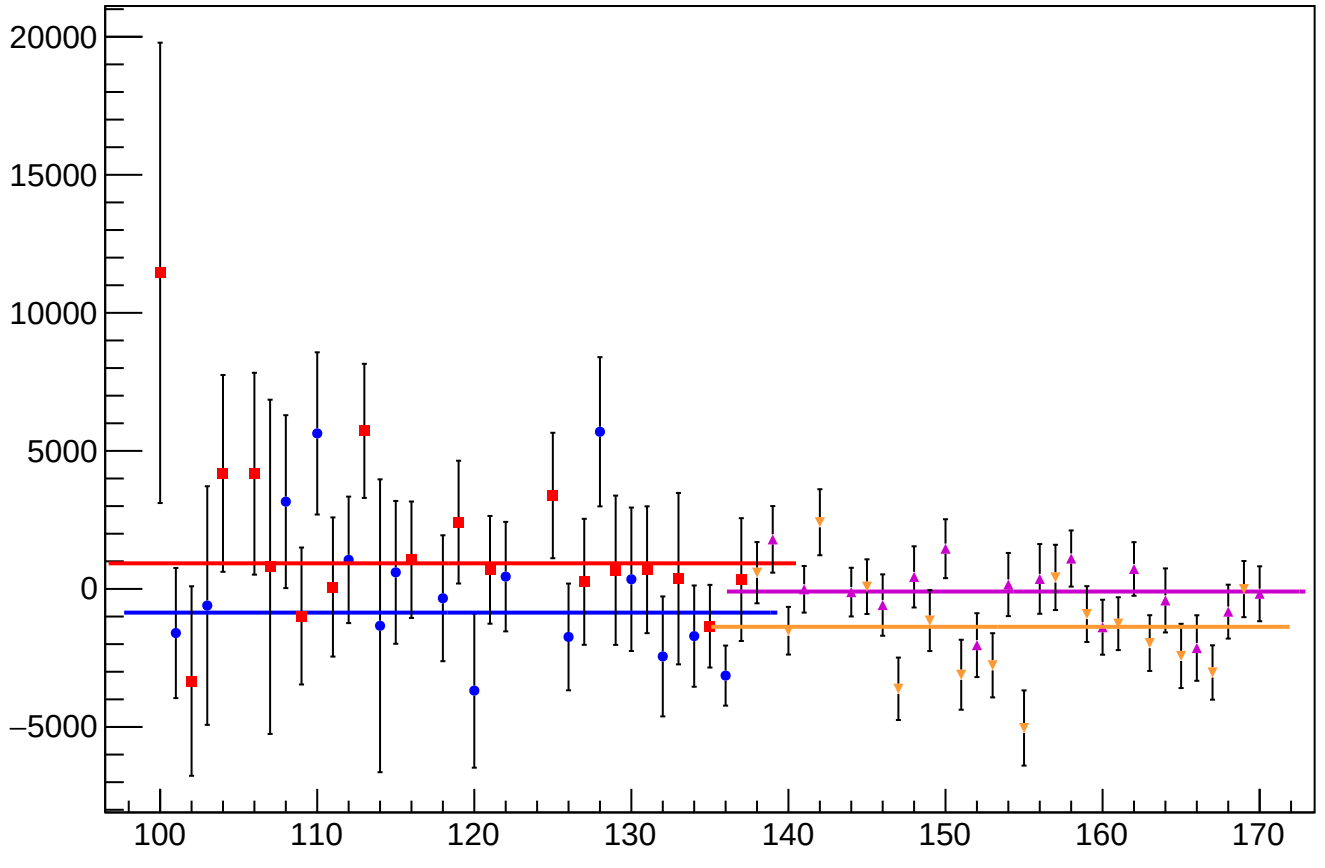
Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -26.592+/-395.836 χ^2/NDF:38.6/31

Out: 459.486+/-402.464 χ^2/NDF:28.0/33

All: 212.412+/-282.212 χ^2/NDF: 67.3/65


cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ2/NDF: 674665.4/15
Left Out: 1732.739+/-0.345 χ2/NDF:728.8/15
Right Out: 1895.491+/-0.504 χ2/NDF: 259171.7/17
Left In: 1734.690+/-0.337 χ2/NDF:1983.2/15
Left: 1733.736+/-0.241 χ2/NDF: 2728.4/31
Right: 1879.447+/-0.356 χ2/NDF: 935850.8/33
In: 1774.849+/-0.280 χ2/NDF:722132.2/31
Out: 1784.581+/-0.285 χ2/NDF:330896.3/33
All: 1779.634+/-0.200 χ2/NDF: 1053623.0/65



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1372.857+/-268.388 χ^2/NDF:38.2/15

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -94.749+/-261.993 χ^2/NDF:15.4/15

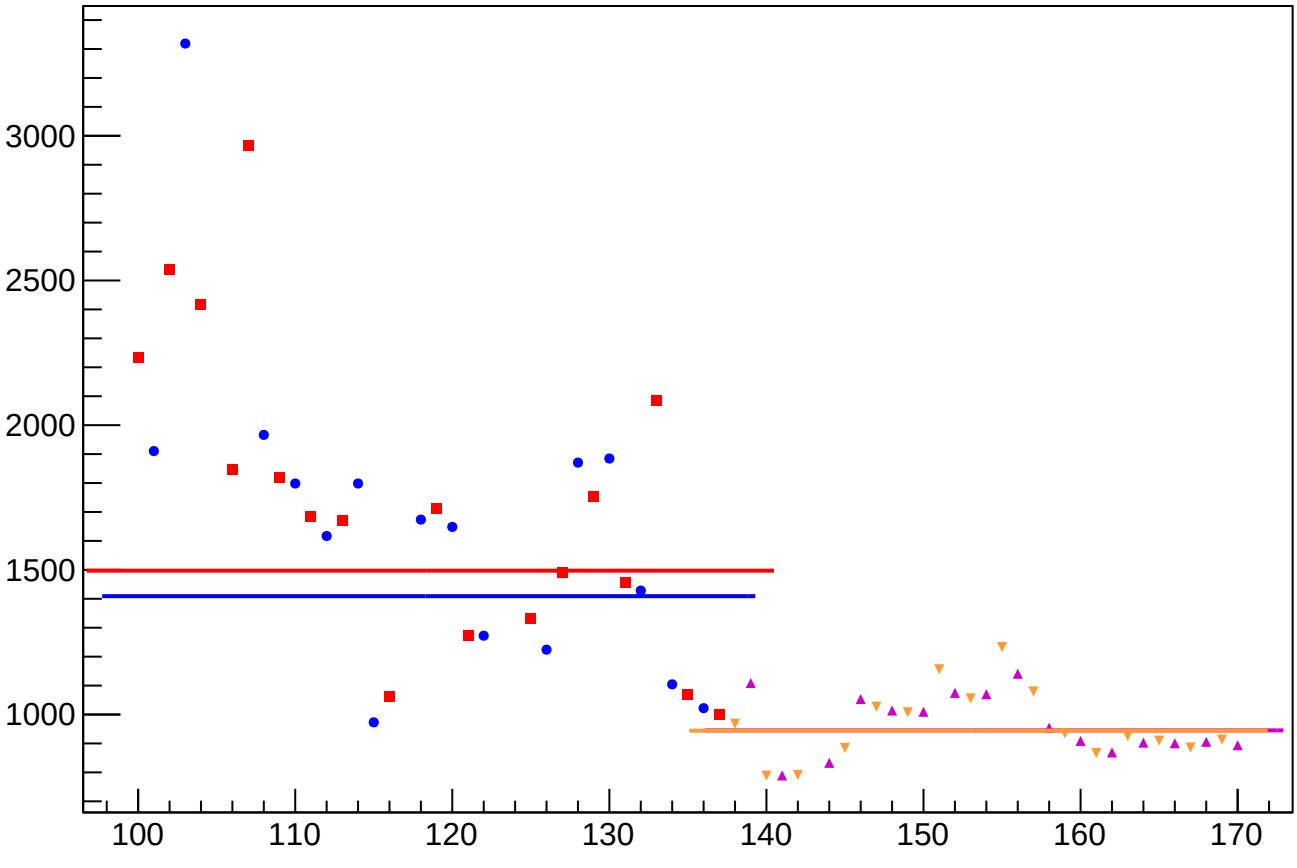
Left: -718.394+/-187.477 χ^2/NDF: 65.2/31

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -236.035+/-236.509 χ^2/NDF:37.6/31

Out: -972.789+/-243.933 χ^2/NDF:64.5/33

All: -593.030+/-169.801 χ^2/NDF: 106.8/65



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 944.104+/-0.190 χ^2/NDF:338206.2/15

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 945.188+/-0.185 χ^2/NDF:297608.1/15

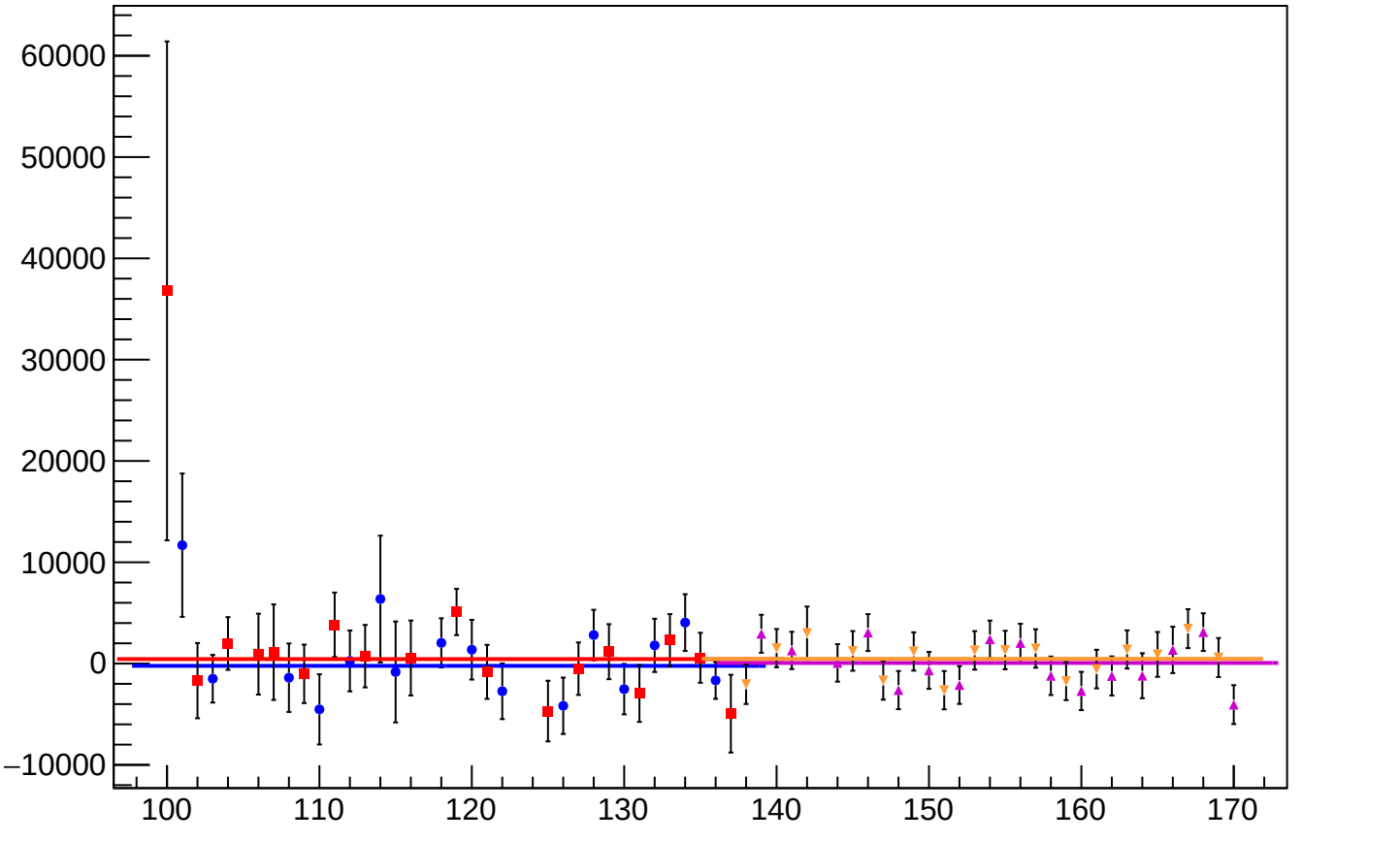
Left: 944.659+/-0.133 χ^2/NDF: 635831.1/31

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1031.035+/-0.167 χ^2/NDF:2624877.1/31

Out: 1040.300+/-0.172 χ^2/NDF:2833460.9/33

All: 1035.524+/-0.120 χ^2/NDF: 5459825.4/65



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 467.182+/-487.534 χ^2/NDF:12.2/15

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 62.639+/-477.072 χ^2/NDF:22.7/15

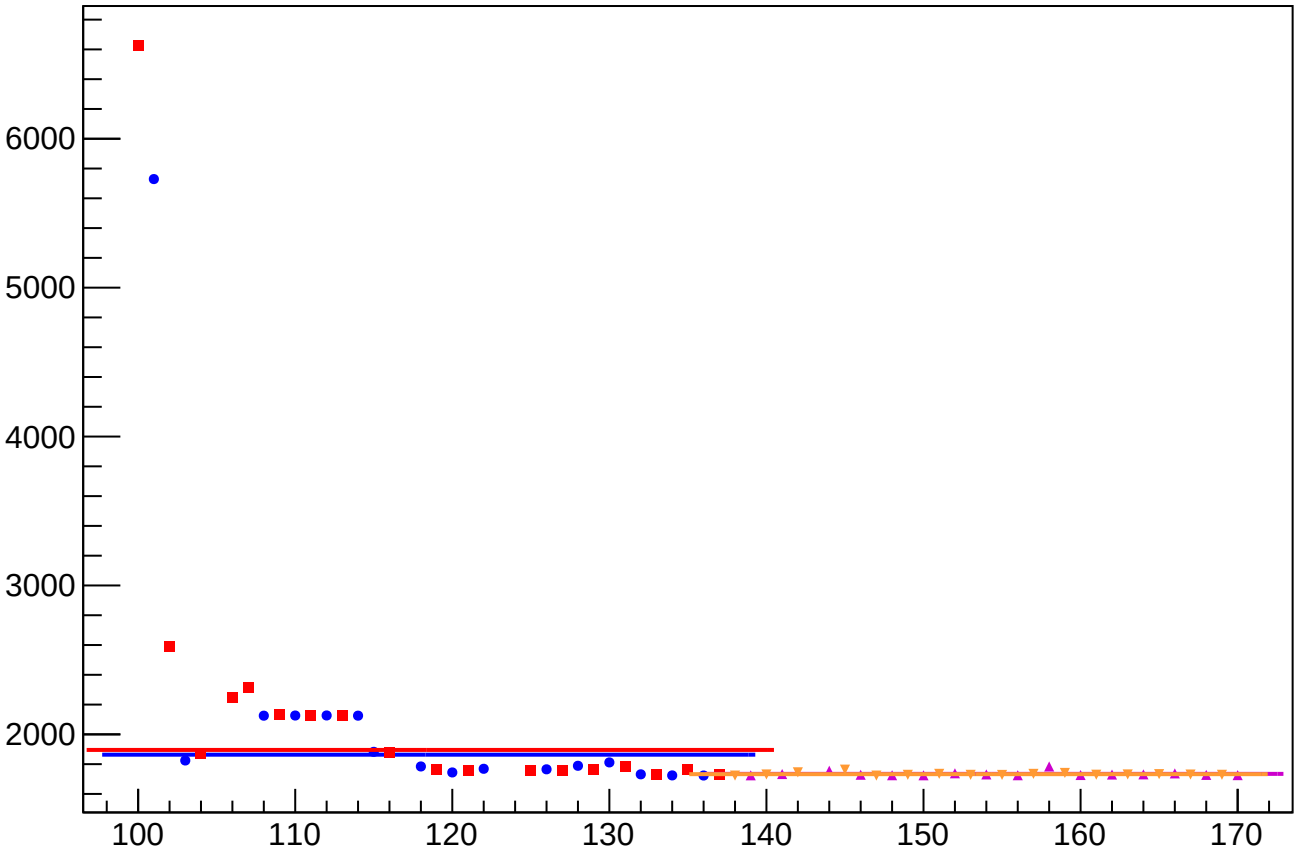
Left: 260.524+/-340.980 χ^2/NDF: 35.3/31

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -26.592+/-395.836 χ^2/NDF:38.6/31

Out: 459.486+/-402.464 χ^2/NDF:28.0/33

All: 212.412+/-282.212 χ^2/NDF: 67.3/65



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.739+/-0.345 χ^2/NDF:728.8/15

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

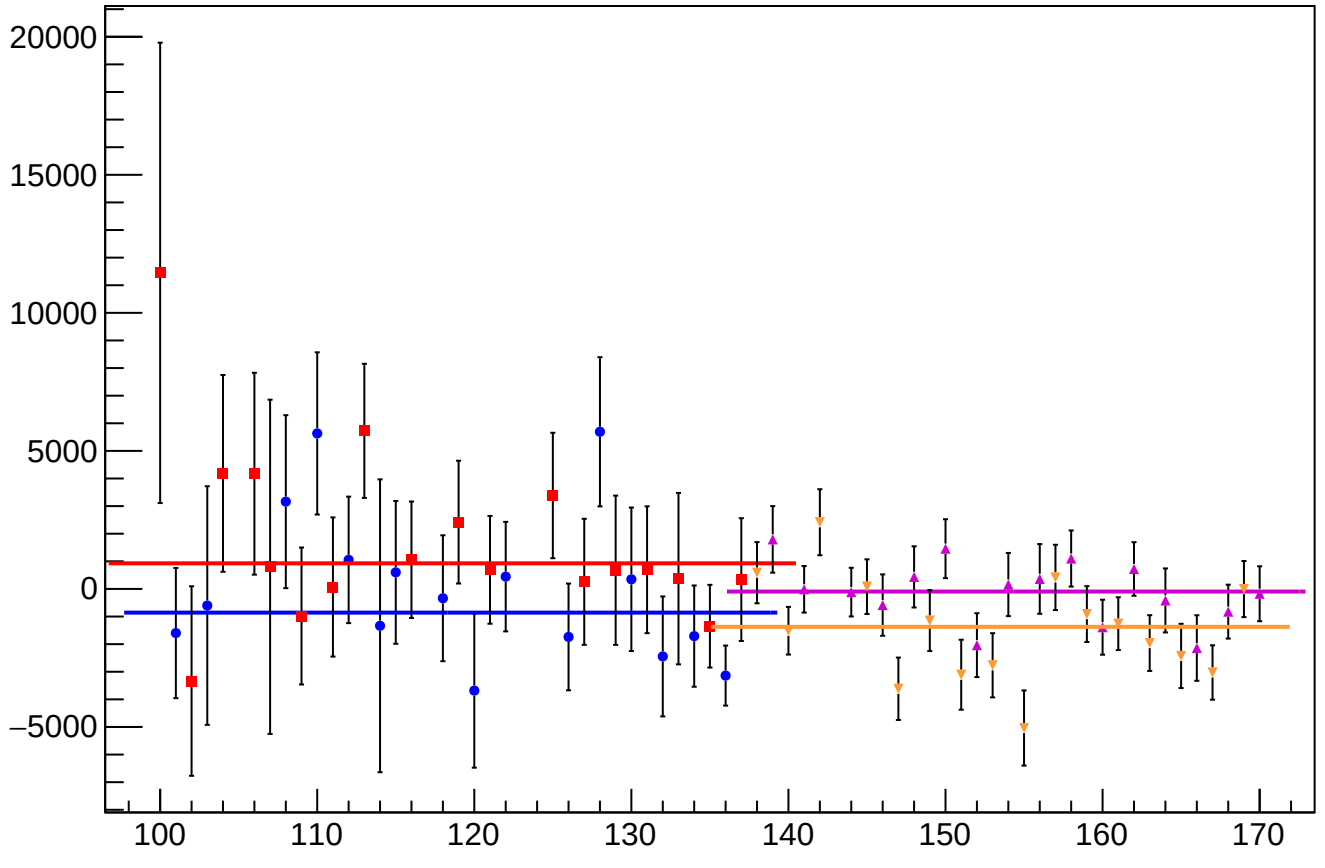
Left: 1733.736+/-0.241 χ^2/NDF: 2728.4/31

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1774.849+/-0.280 χ^2/NDF:722132.2/31

Out: 1784.581+/-0.285 χ^2/NDF:330896.3/33

All: 1779.634+/-0.200 χ^2/NDF: 1053623.0/65



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1372.857+/-268.388 χ^2/NDF:38.2/15

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -94.749+/-261.993 χ^2/NDF:15.4/15

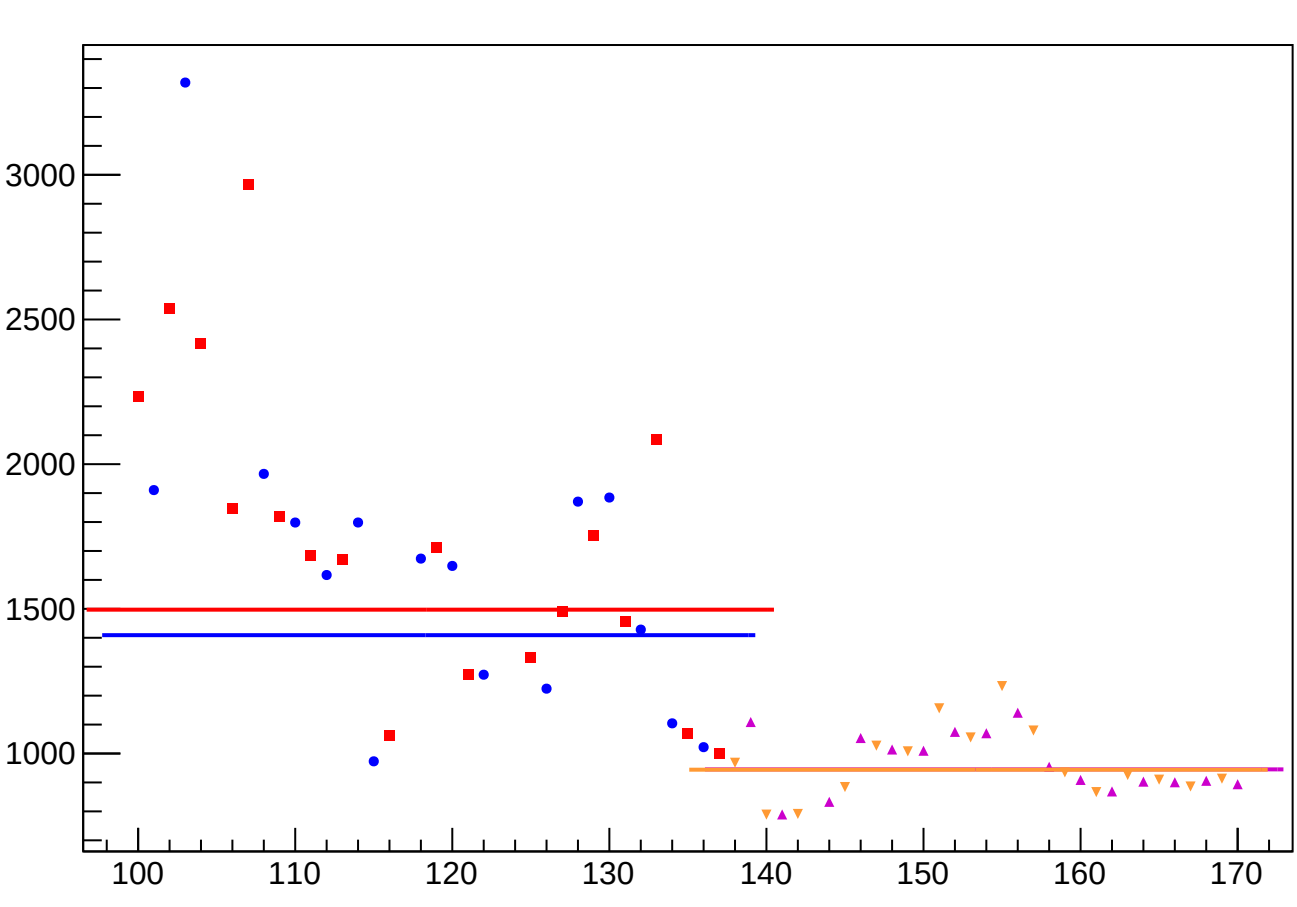
Left: -718.394+/-187.477 χ^2/NDF: 65.2/31

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -236.035+/-236.509 χ^2/NDF:37.6/31

Out: -972.789+/-243.933 χ^2/NDF:64.5/33

All: -593.030+/-169.801 χ^2/NDF: 106.8/65


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
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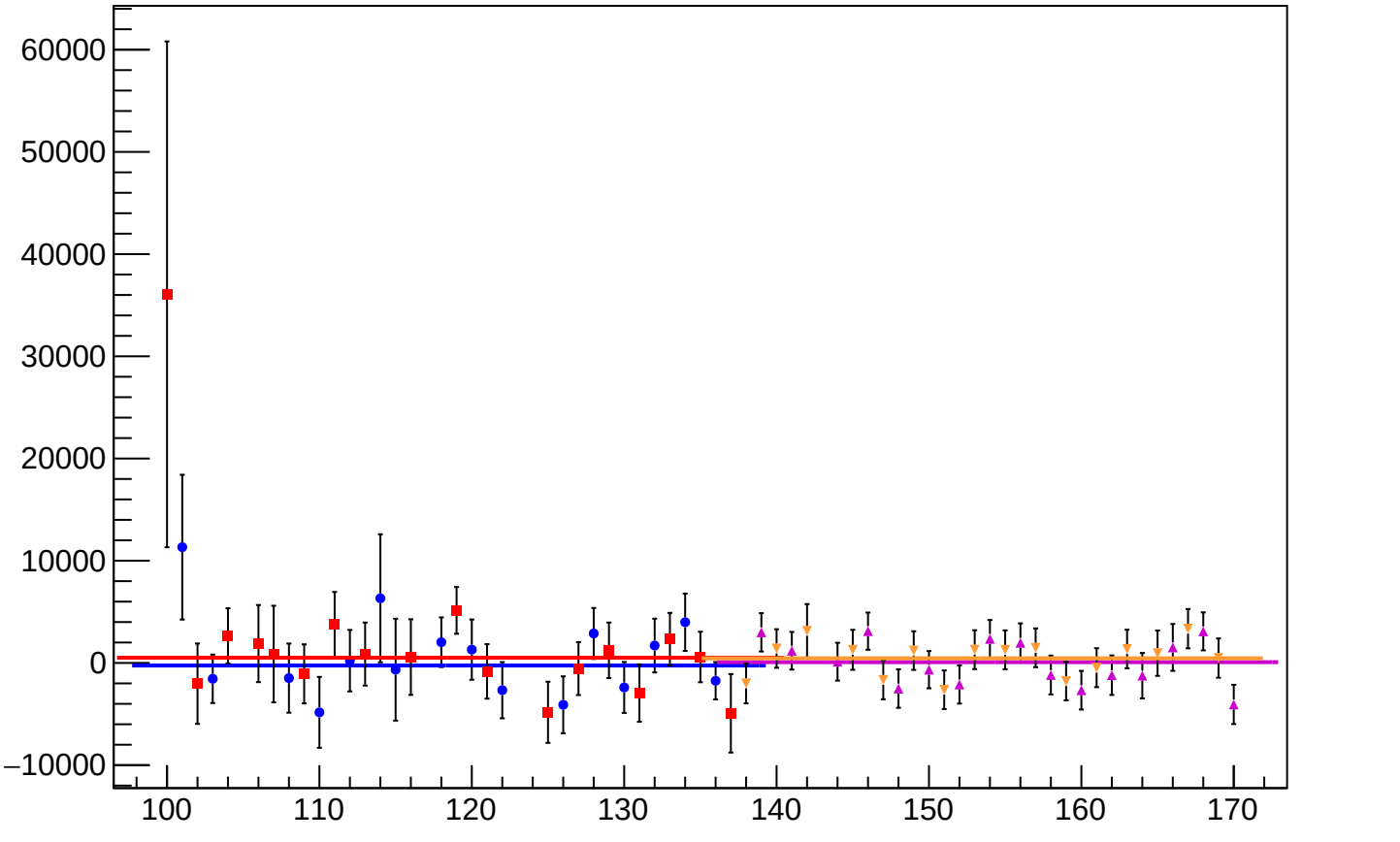
140
150
160
170
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 944.104+/-0.190 χ²/NDF:338206.2/15
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 945.188+/-0.185 χ²/NDF:297608.1/15
Left: 944.659+/-0.133 χ²/NDF: 635831.1/31
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1031.035+/-0.167 χ²/NDF:2624877.1/31
Out: 1040.300+/-0.172 χ²/NDF:2833460.9/33
All: 1035.524+/-0.120 χ²/NDF: 5459825.4/65



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 456.057+/-487.734 χ^2/NDF:12.0/15

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 77.581+/-477.341 χ^2/NDF:22.5/15

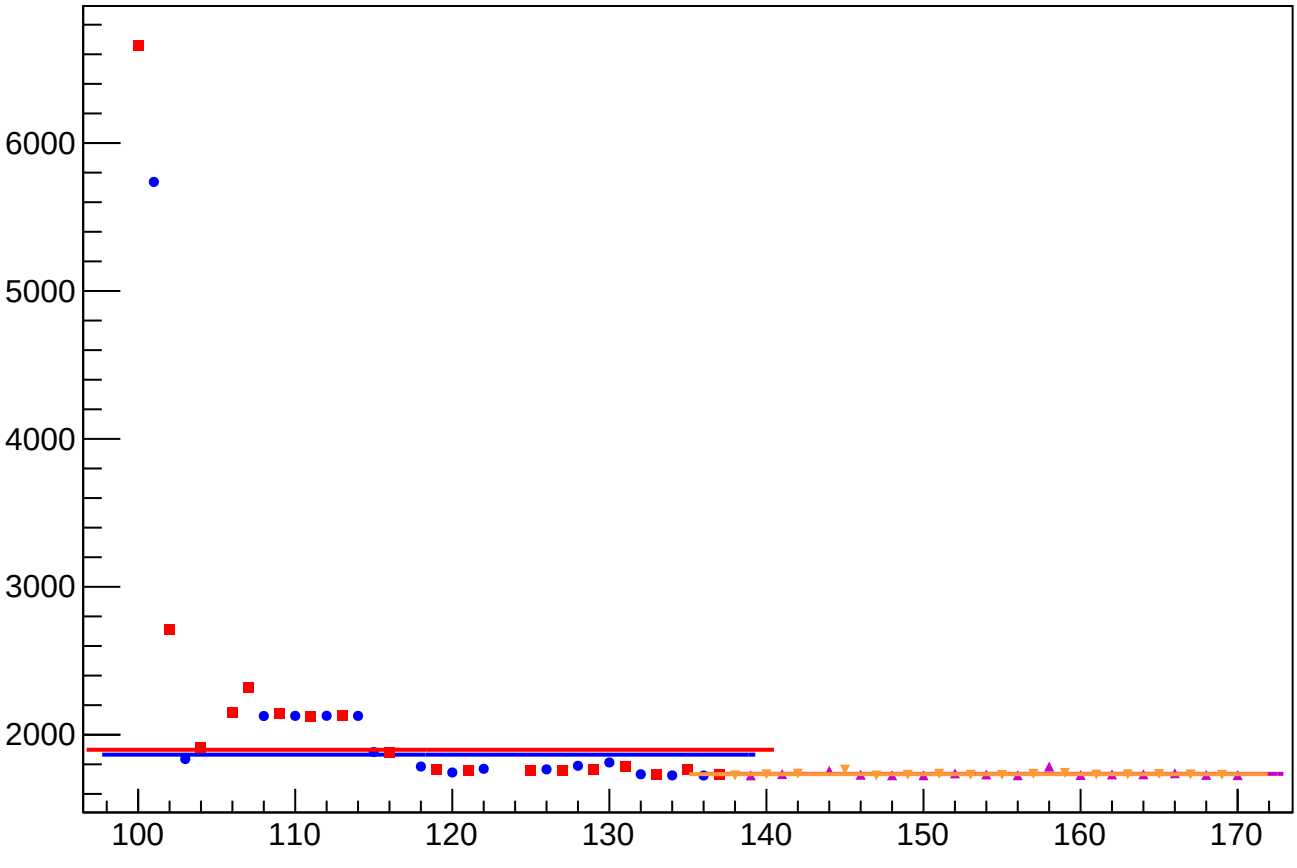
Left: 262.743+/-341.146 χ^2/NDF: 34.8/31

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -25.029+/-396.132 χ^2/NDF:38.3/31

Out: 473.209+/-402.997 χ^2/NDF:28.4/33

All: 219.810+/-282.503 χ^2/NDF: 67.5/65



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.412+/-0.345 χ^2/NDF:676.2/15

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.667+/-0.338 χ^2/NDF:1977.8/15

Left: 1734.564+/-0.241 χ^2/NDF: 2675.8/31

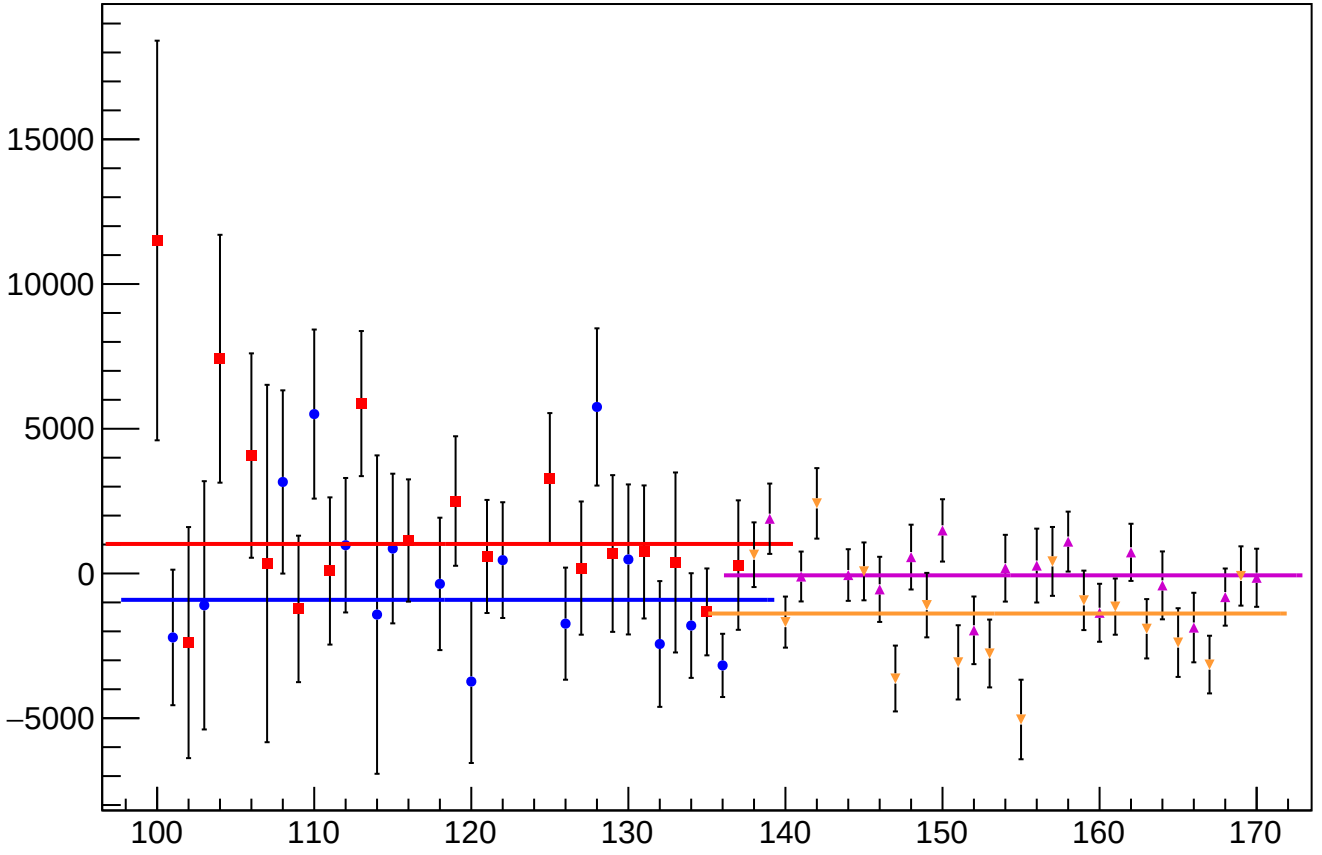
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1776.067+/-0.280 χ^2/NDF:722986.3/31

Out: 1785.825+/-0.285 χ^2/NDF:342579.7/33

All: 1780.862+/-0.200 χ^2/NDF: 1066162.5/65

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1383.882+/-271.732 χ^2/NDF:37.7/15

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -64.323+/-265.153 χ^2/NDF:14.4/15

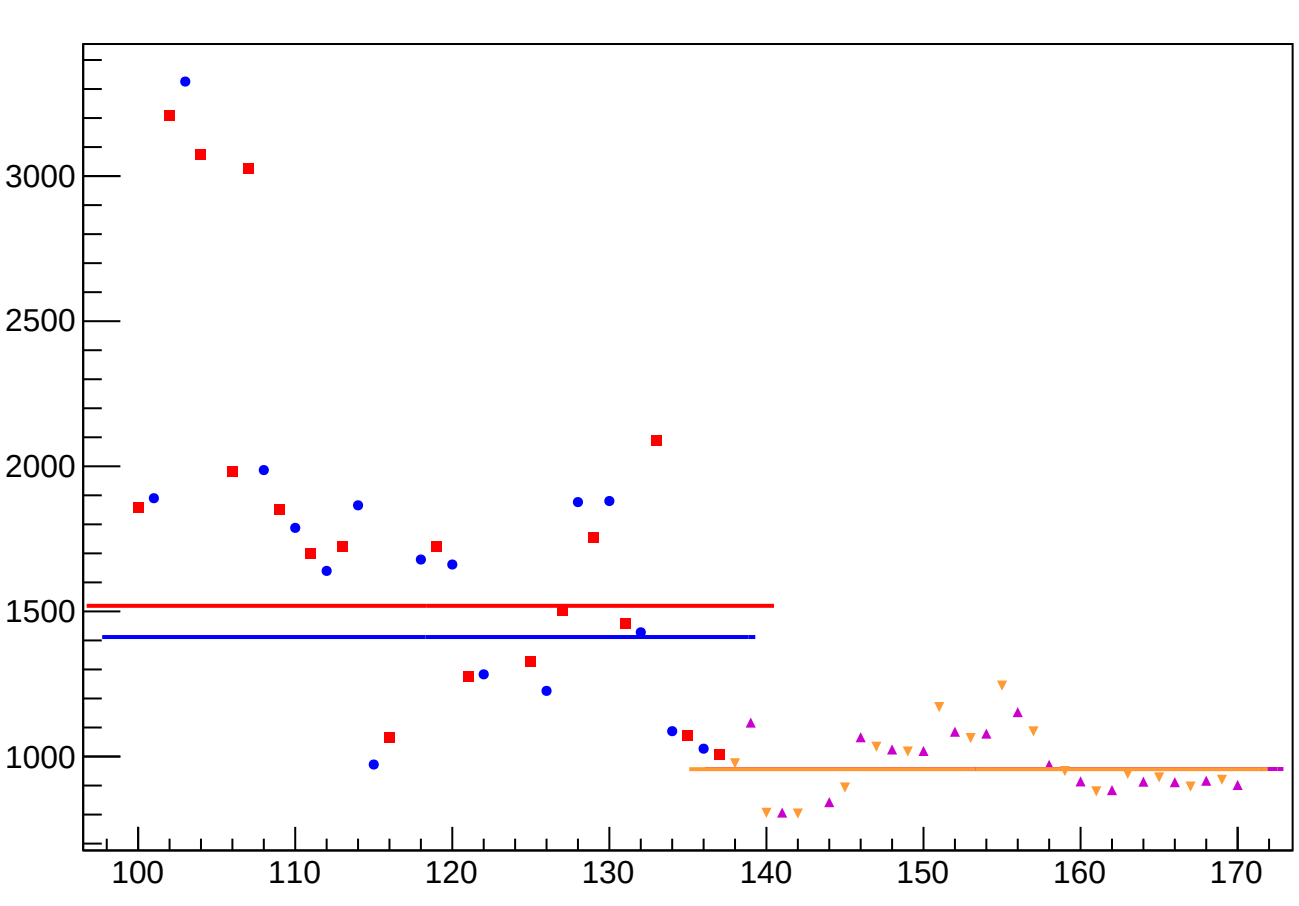
Left: -707.937+/-189.775 χ^2/NDF: 64.3/31

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -223.594+/-238.915 χ^2/NDF:37.4/31

Out: -965.064+/-246.930 χ^2/NDF:66.3/33

All: -582.099+/-171.702 χ^2/NDF: 108.3/65



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 956.393+/-0.192 χ^2/NDF:321501.6/15

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 957.051+/-0.187 χ^2/NDF:284593.5/15

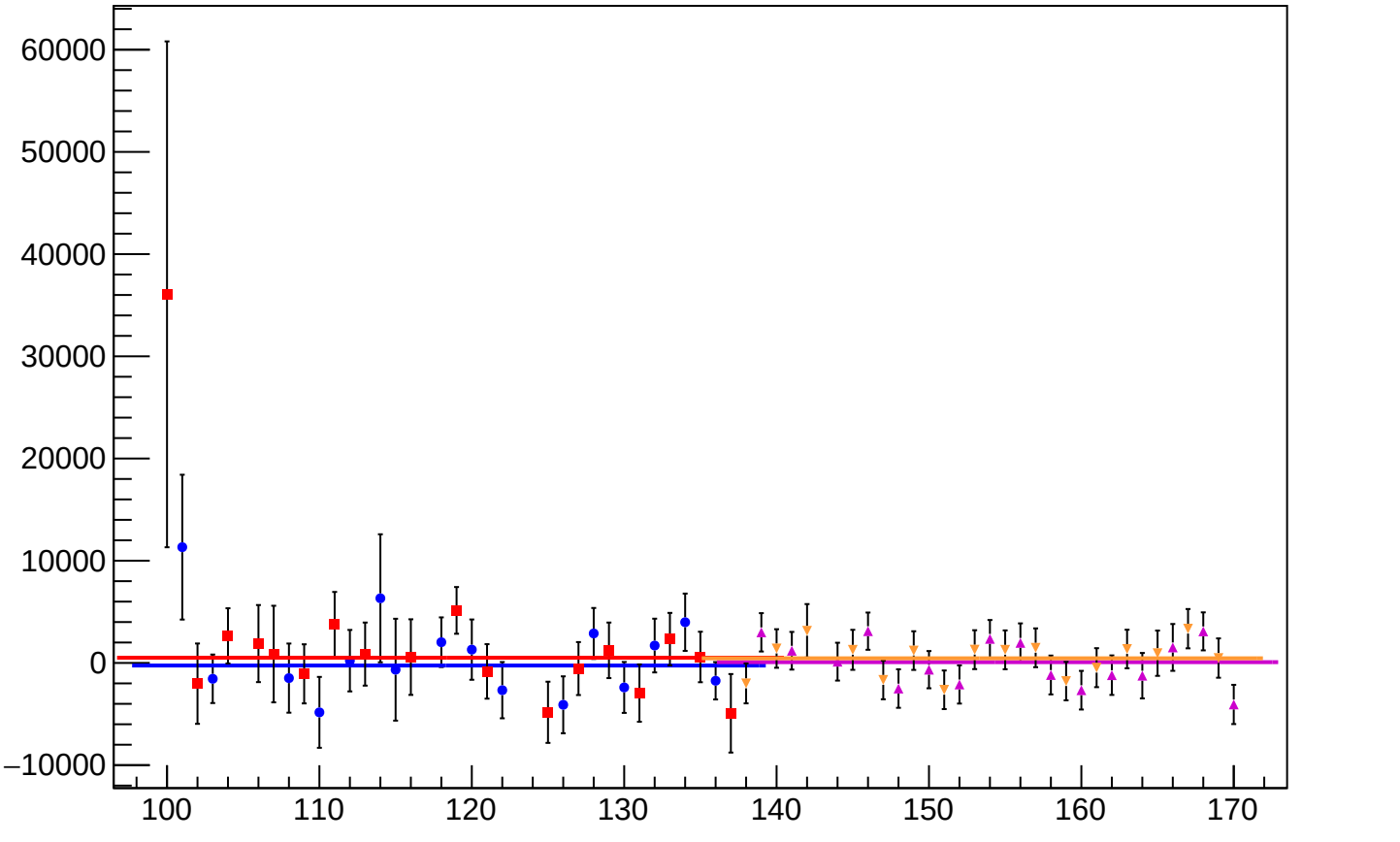
Left: 956.730+/-0.134 χ^2/NDF: 606101.1/31

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1042.590+/-0.169 χ^2/NDF:2568759.1/31

Out: 1054.462+/-0.175 χ^2/NDF:3176920.2/33

All: 1048.330+/-0.121 χ^2/NDF: 5748067.2/65



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 456.056+/-487.734 χ^2/NDF:12.0/15

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 77.581+/-477.341 χ^2/NDF:22.5/15

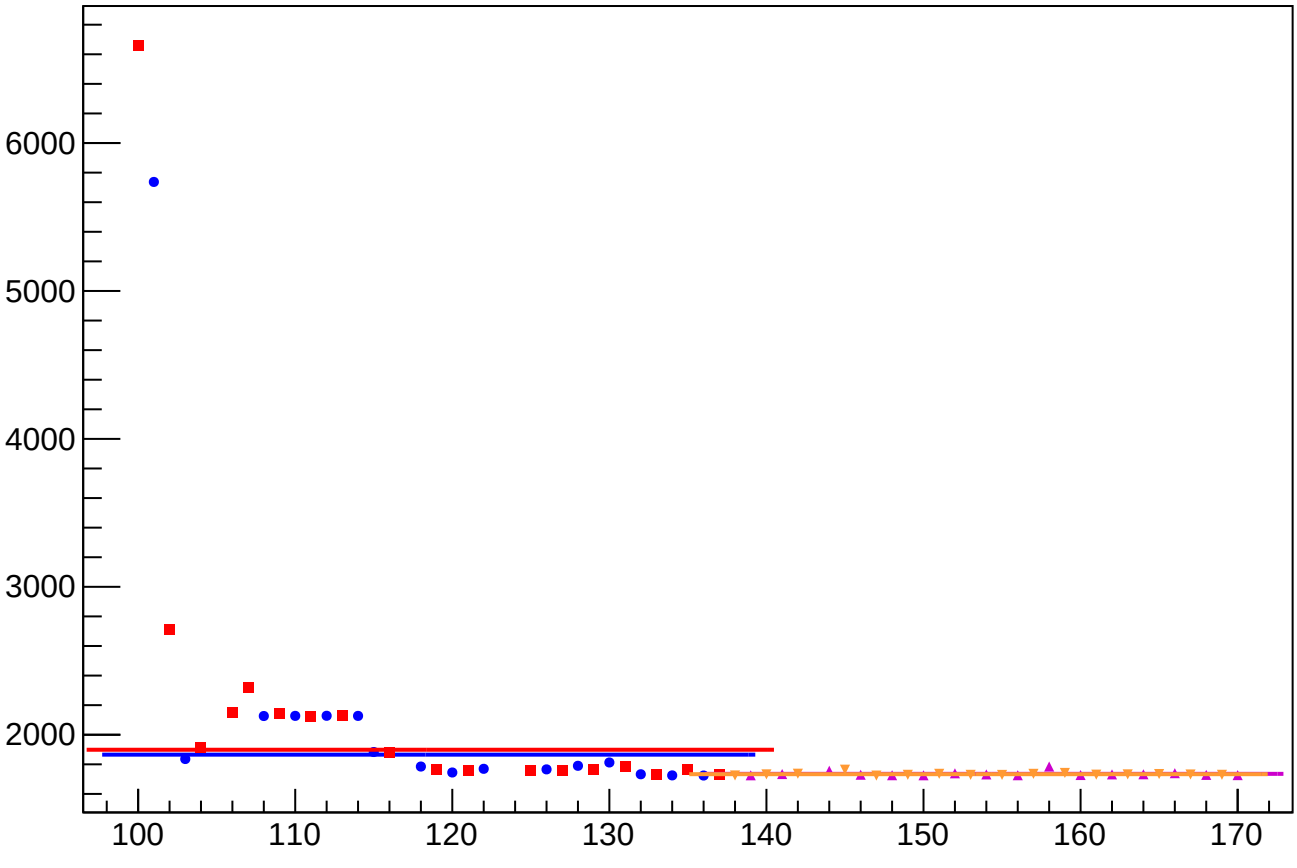
Left: 262.743+/-341.146 χ^2/NDF: 34.8/31

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -25.029+/-396.132 χ^2/NDF:38.3/31

Out: 473.209+/-402.997 χ^2/NDF:28.4/33

All: 219.810+/-282.503 χ^2/NDF: 67.5/65



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.412+/-0.345 χ^2/NDF:676.2/15

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.667+/-0.338 χ^2/NDF:1977.8/15

Left: 1734.564+/-0.241 χ^2/NDF: 2675.8/31

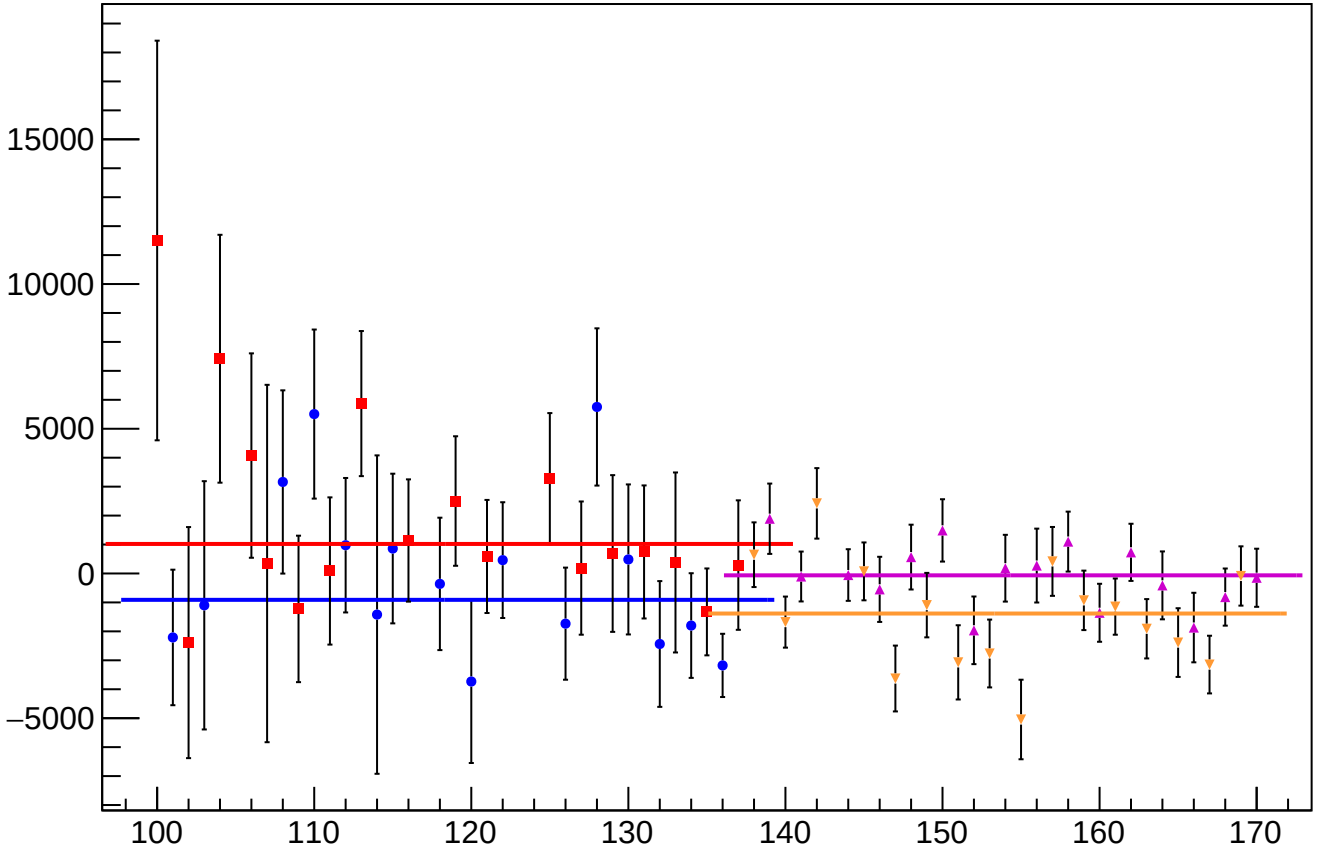
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1776.067+/-0.280 χ^2/NDF:722986.3/31

Out: 1785.825+/-0.285 χ^2/NDF:342579.4/33

All: 1780.862+/-0.200 χ^2/NDF: 1066162.1/65

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: -1383.880+/-271.732 χ^2/NDF:37.7/15

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -64.326+/-265.153 χ^2/NDF:14.4/15

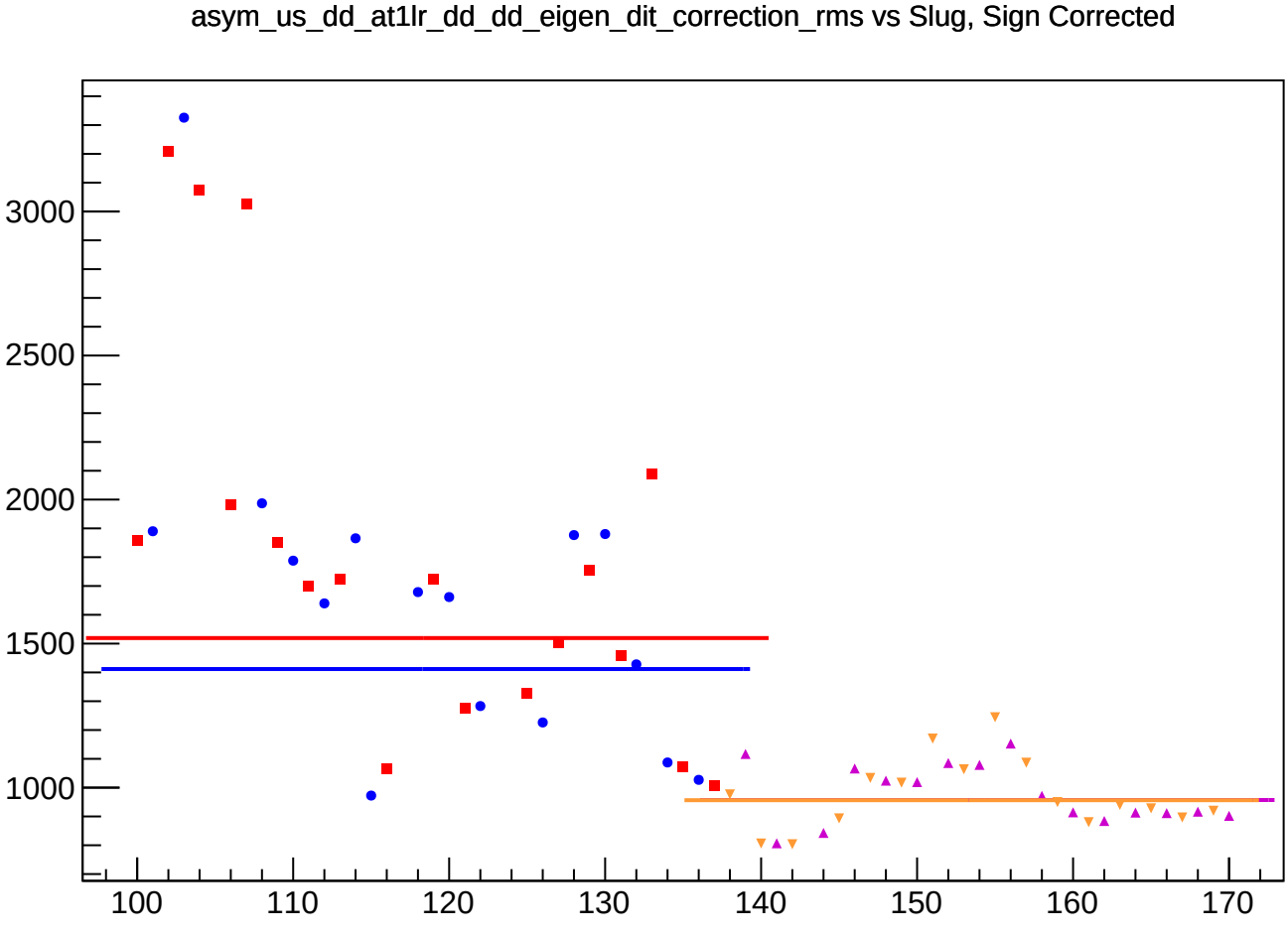
Left: -707.937+/-189.775 χ^2/NDF: 64.3/31

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -223.595+/-238.914 χ^2/NDF:37.4/31

Out: -965.061+/-246.930 χ^2/NDF:66.3/33

All: -582.099+/-171.702 χ^2/NDF: 108.3/65



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 956.393+/-0.192 χ^2/NDF:321510.9/15

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 957.051+/-0.187 χ^2/NDF:284601.8/15

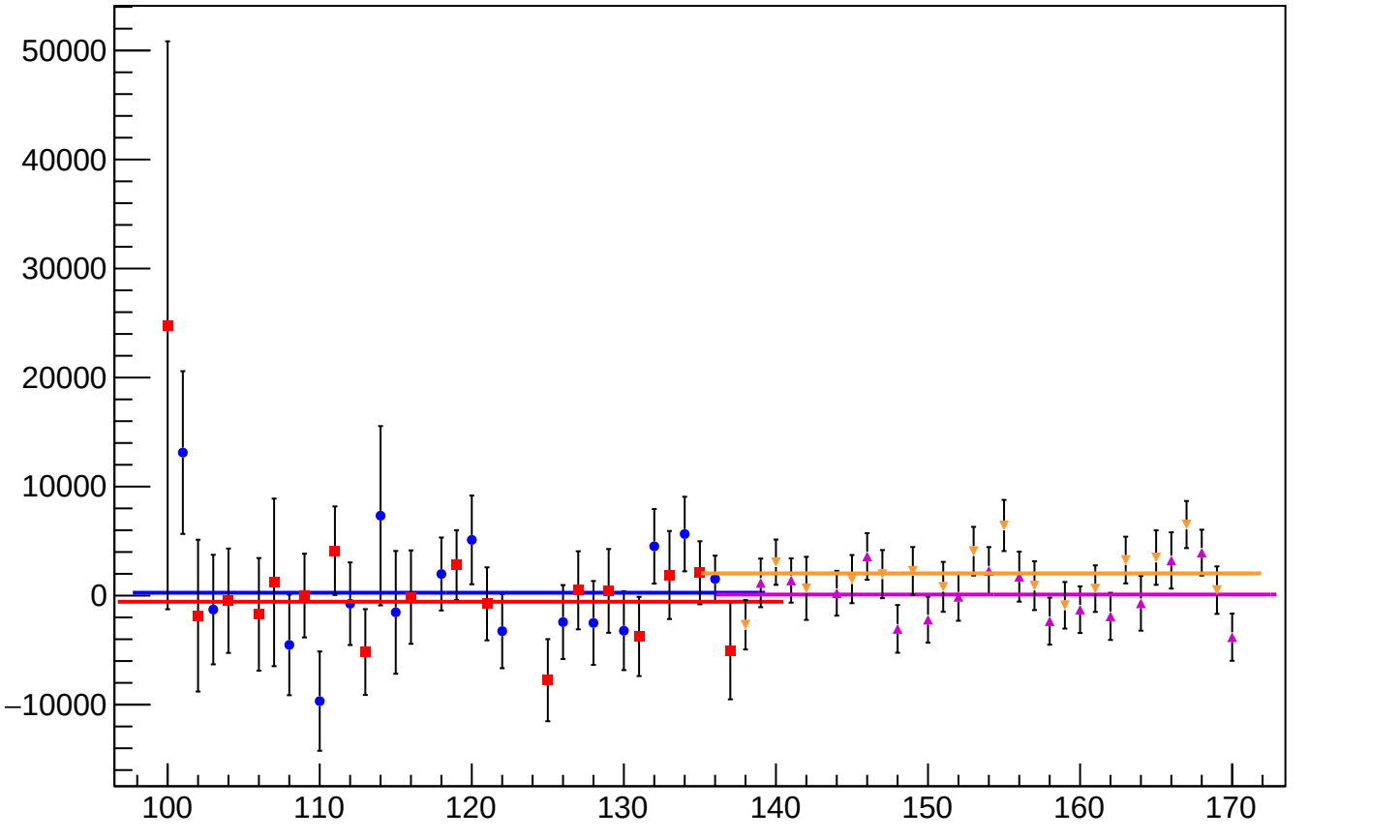
Left: 956.730+/-0.134 χ^2/NDF: 606118.7/31

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1042.589+/-0.169 χ^2/NDF:2568757.1/31

Out: 1054.461+/-0.175 χ^2/NDF:3176926.4/33

All: 1048.329+/-0.121 χ^2/NDF: 5748071.4/65



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2042.622+/-560.900 χ^2/NDF:17.5/15

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 97.864+/-547.469 χ^2/NDF:18.8/15

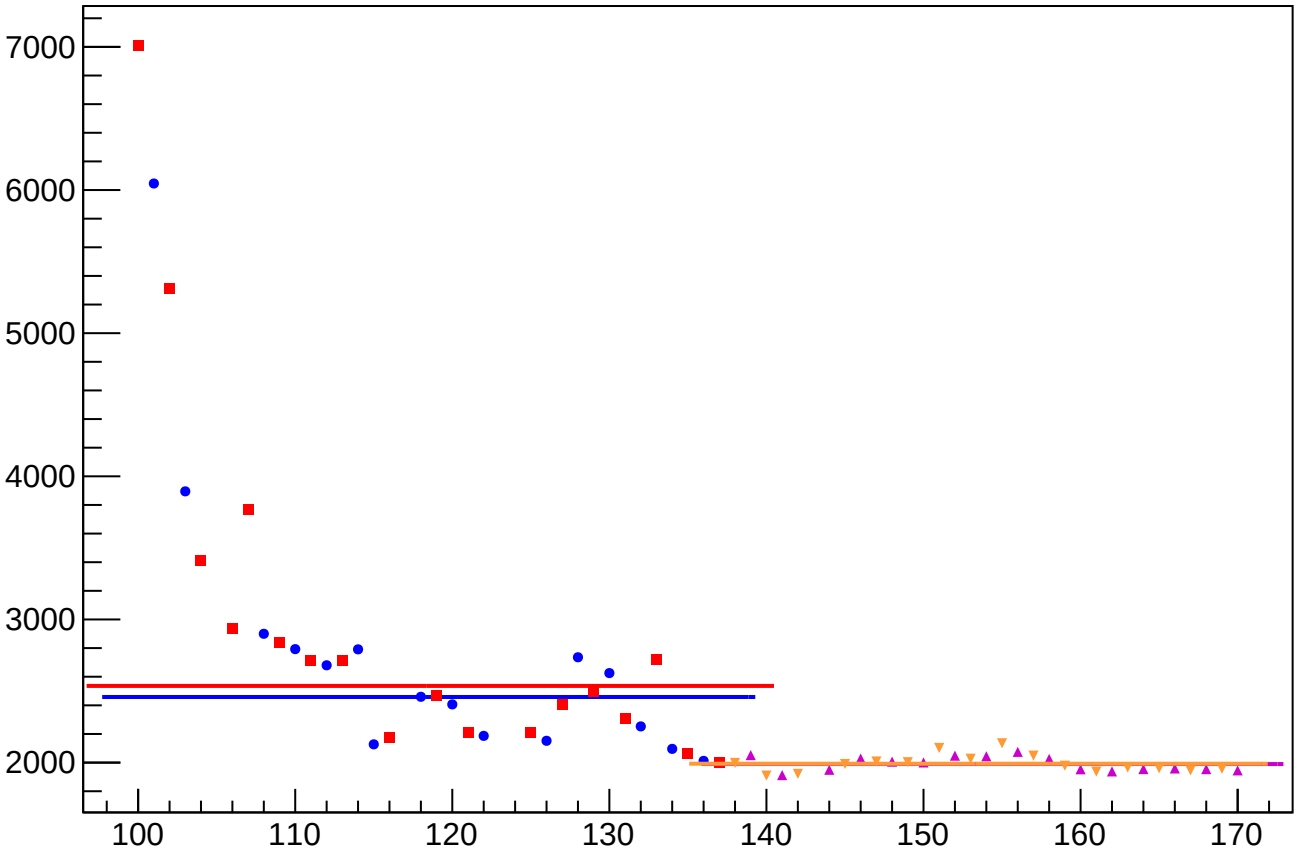
Left: 1046.679+/-391.781 χ^2/NDF: 42.5/31

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 139.909+/-473.333 χ^2/NDF:37.9/31

Out: 1383.042+/-484.673 χ^2/NDF:34.7/33

All: 746.763+/-338.635 χ^2/NDF: 76.0/65



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1992.264+/-0.397 χ^2/NDF:21850.5/15

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1989.885+/-0.387 χ^2/NDF:15817.0/15

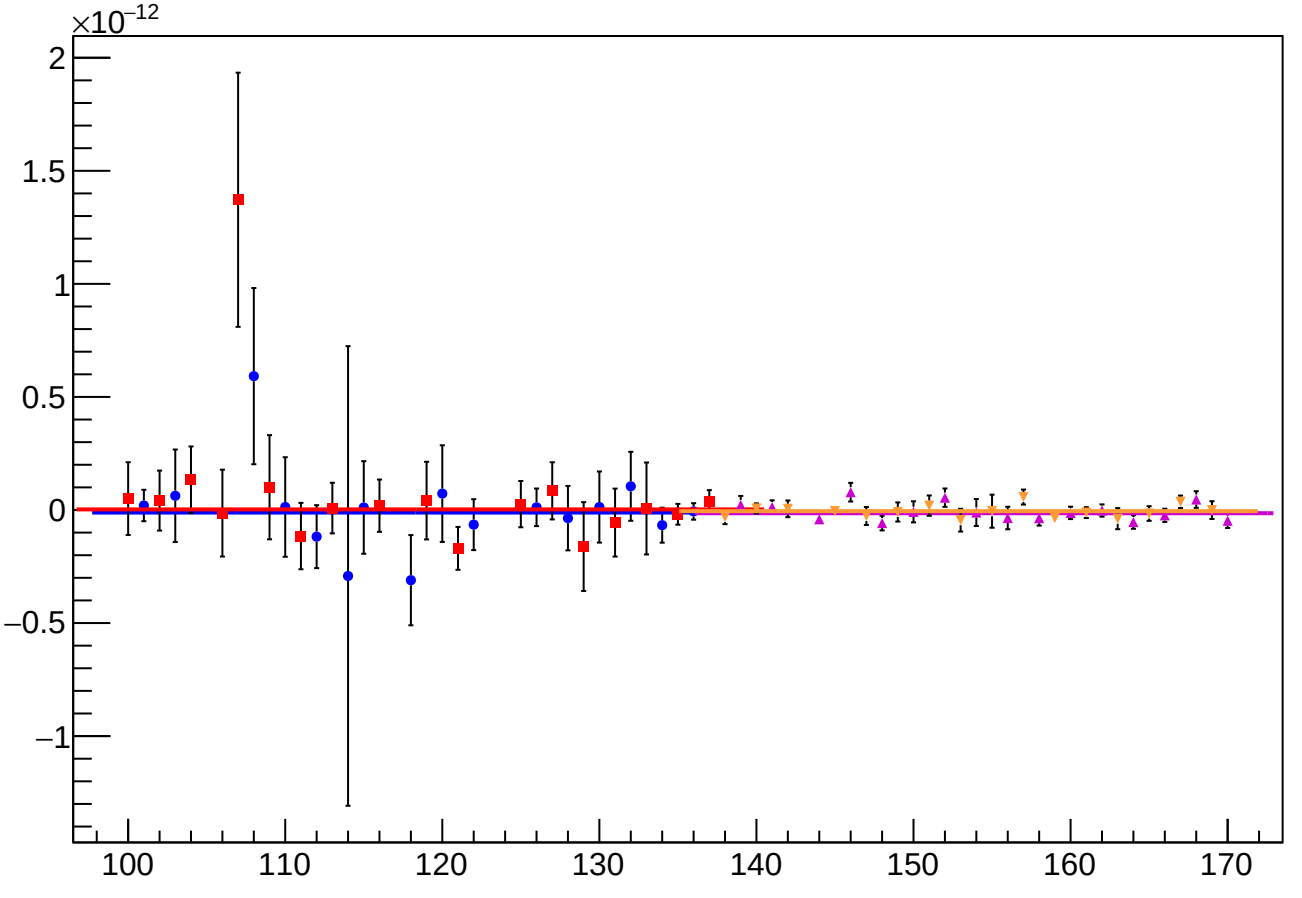
Left: 1991.045+/-0.277 χ^2/NDF: 37685.9/31

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2108.165+/-0.335 χ^2/NDF:1218434.2/31

Out: 2129.957+/-0.343 χ^2/NDF:1170945.5/33

All: 2118.803+/-0.239 χ^2/NDF: 2391449.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.5/15

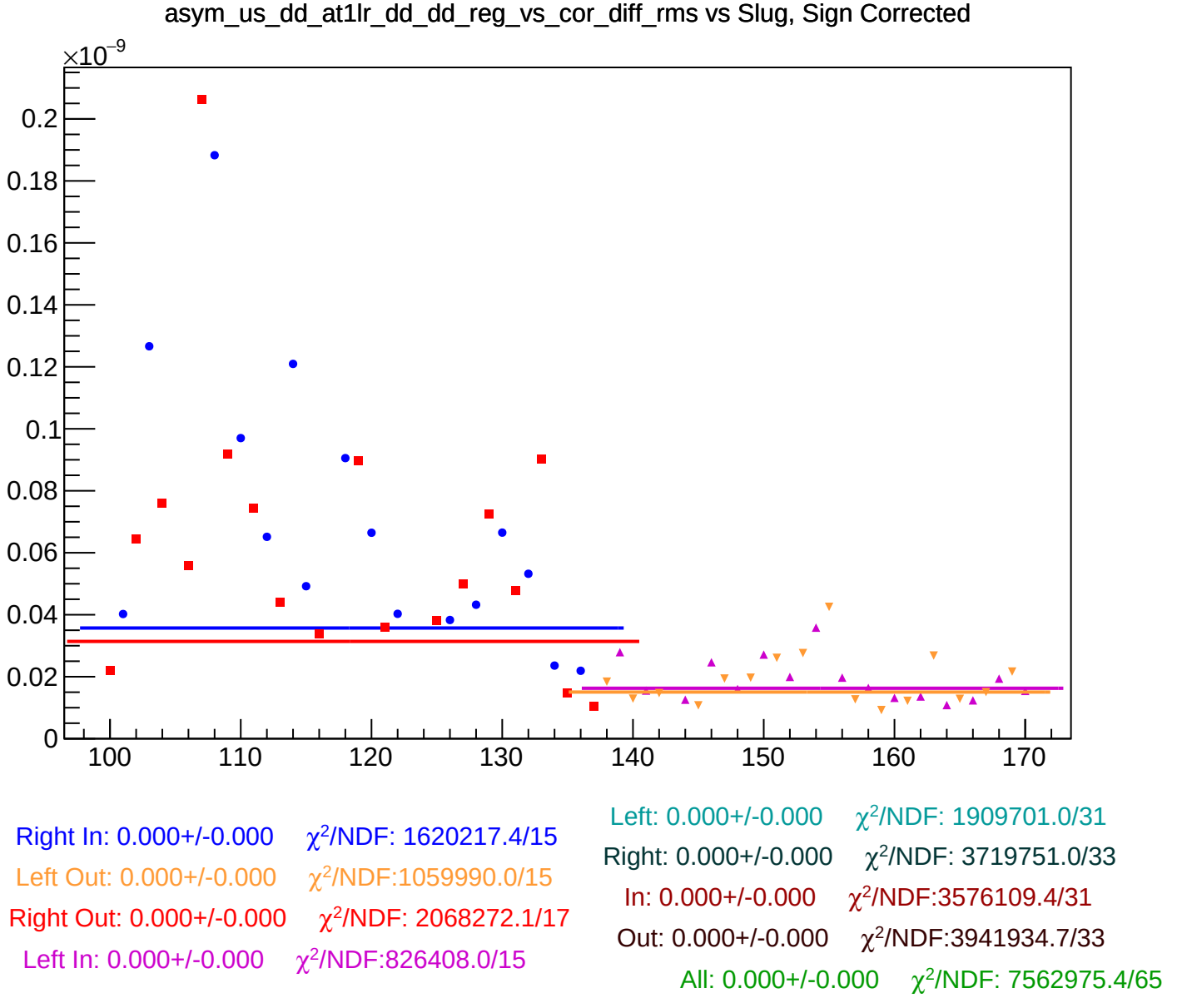
Left: -0.000+/-0.000 χ^2/NDF: 30.8/31

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

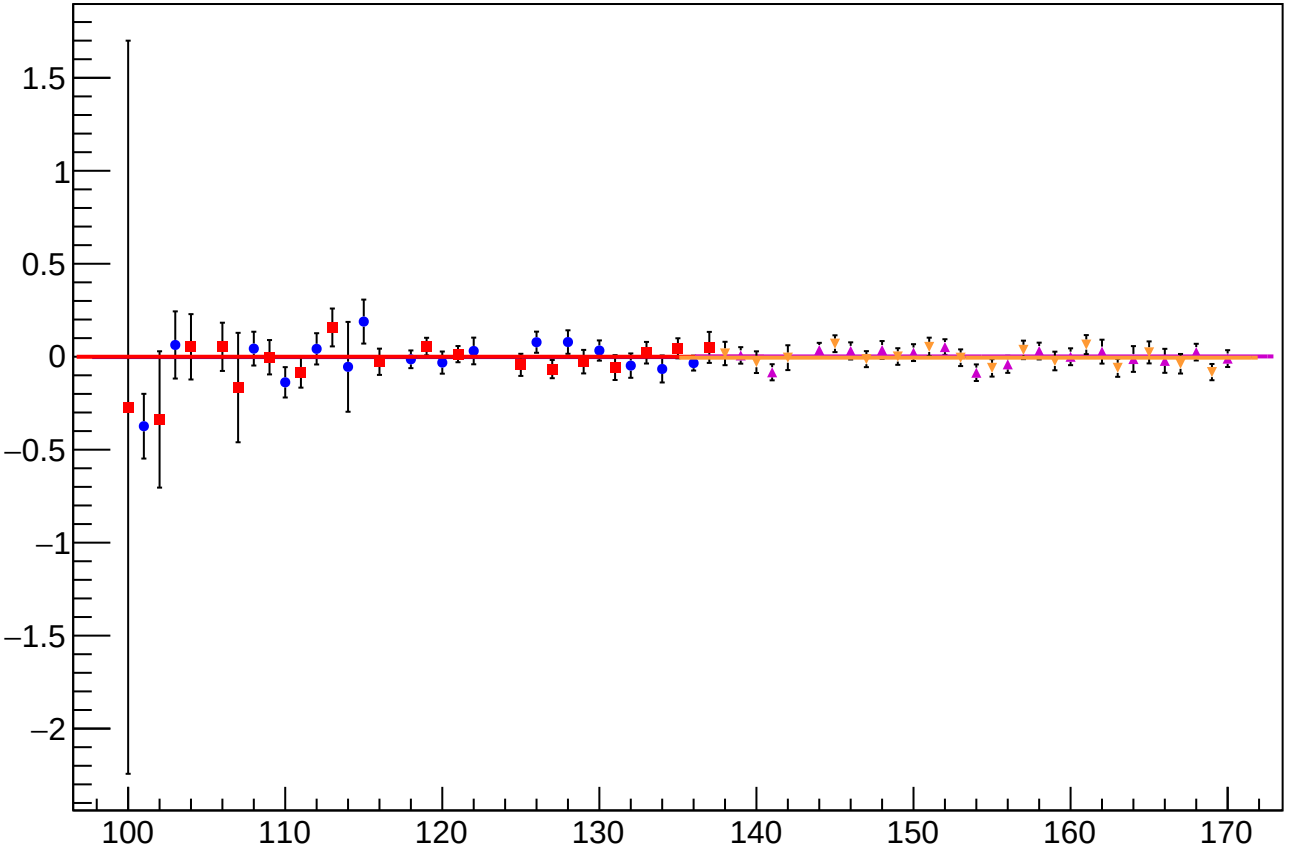
In: -0.000+/-0.000 χ^2/NDF:26.8/31

Out: -0.000+/-0.000 χ^2/NDF:24.0/33

All: -0.000+/-0.000 χ^2/NDF: 51.6/65


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1059990.0/15
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:826408.0/15
Left: 0.000+/-0.000 χ²/NDF: 1909701.0/31
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3576109.4/31
Out: 0.000+/-0.000 χ²/NDF:3941934.7/33
All: 0.000+/-0.000 χ²/NDF: 7562975.4/65

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+/-0.012 χ^2/NDF:13.6/15

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: -0.001+/-0.009 χ^2/NDF: 26.7/31

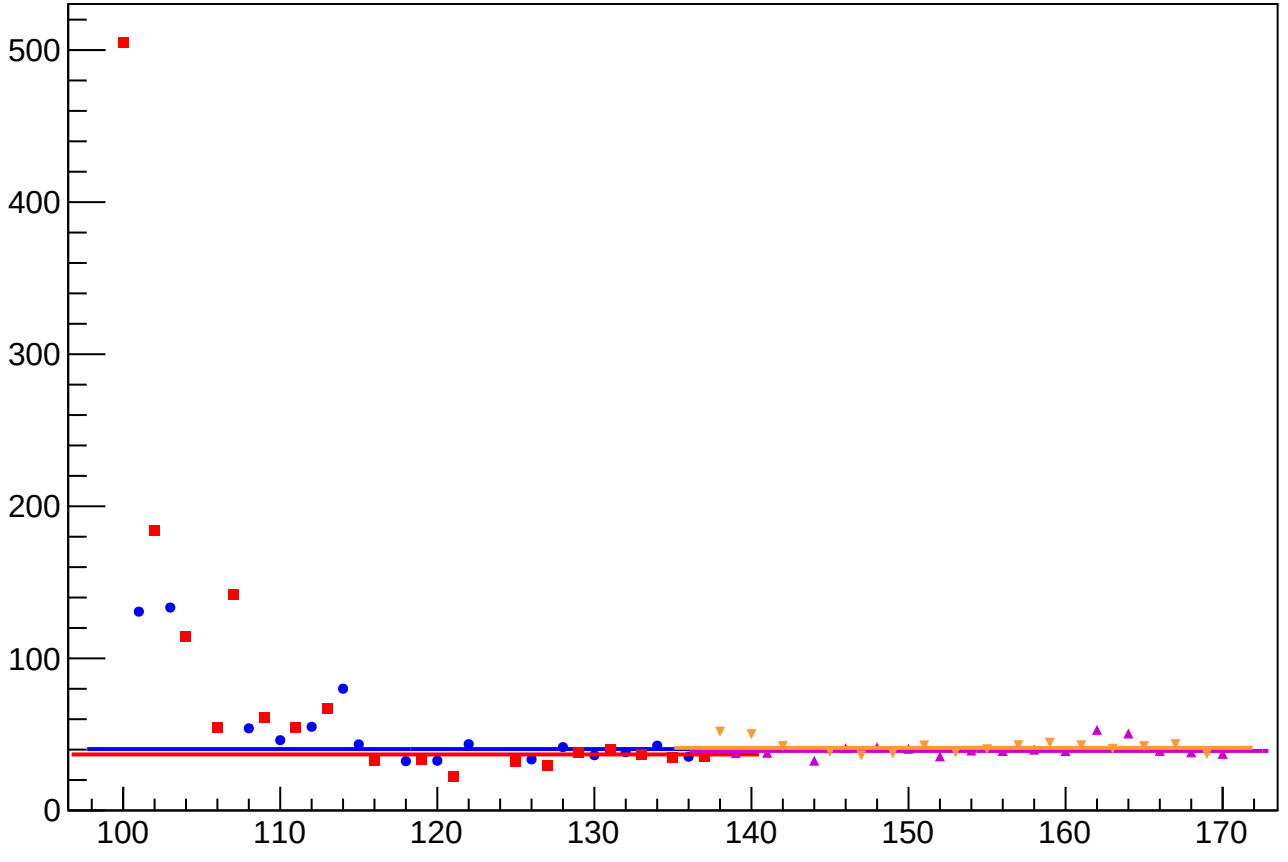
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: -0.003+/-0.010 χ^2/NDF:24.6/33

All: -0.001+/-0.007 χ^2/NDF: 54.8/65

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.167+/-0.009 χ^2/NDF:198258.0/15

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.153+/-0.008 χ^2/NDF:235987.4/15

Left: 40.098+/-0.006 χ^2/NDF: 461948.5/31

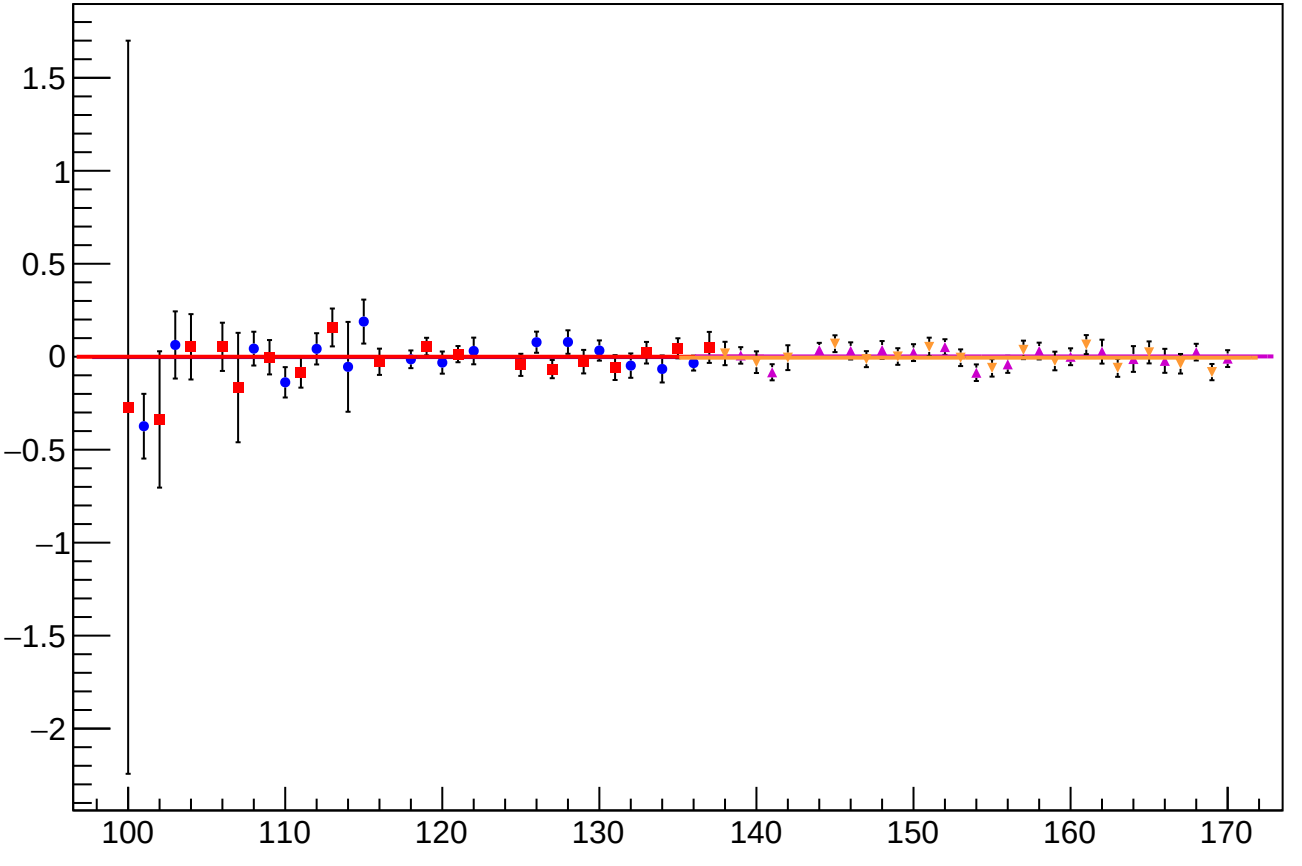
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.537+/-0.007 χ^2/NDF:1652817.8/31

Out: 39.610+/-0.007 χ^2/NDF:2122448.2/33

All: 39.572+/-0.005 χ^2/NDF: 3775320.9/65

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+/-0.012 χ^2/NDF:13.6/15

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: -0.001+/-0.009 χ^2/NDF: 26.7/31

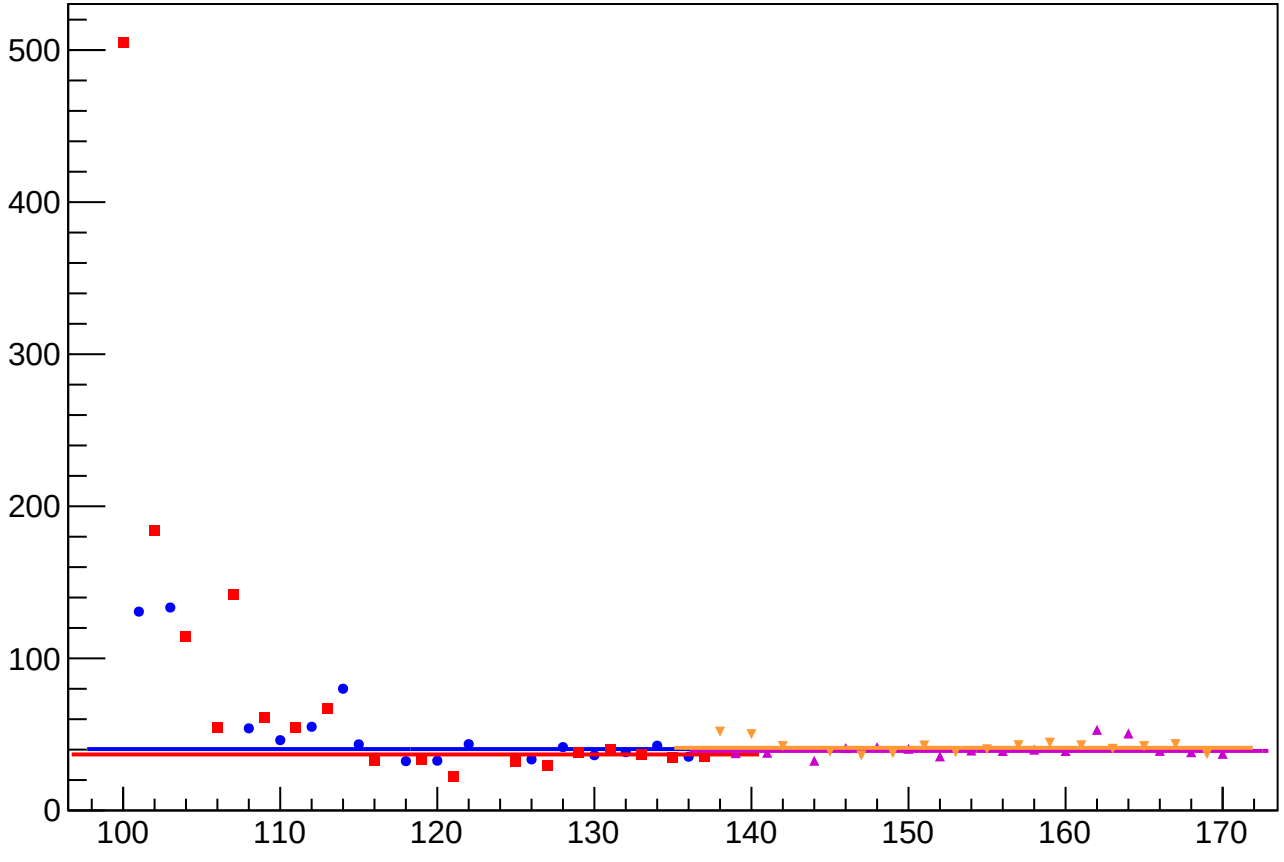
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: -0.003+/-0.010 χ^2/NDF:24.6/33

All: -0.001+/-0.007 χ^2/NDF: 54.8/65

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.167+/-0.009 χ^2/NDF:198258.0/15

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.153+/-0.008 χ^2/NDF:235987.4/15

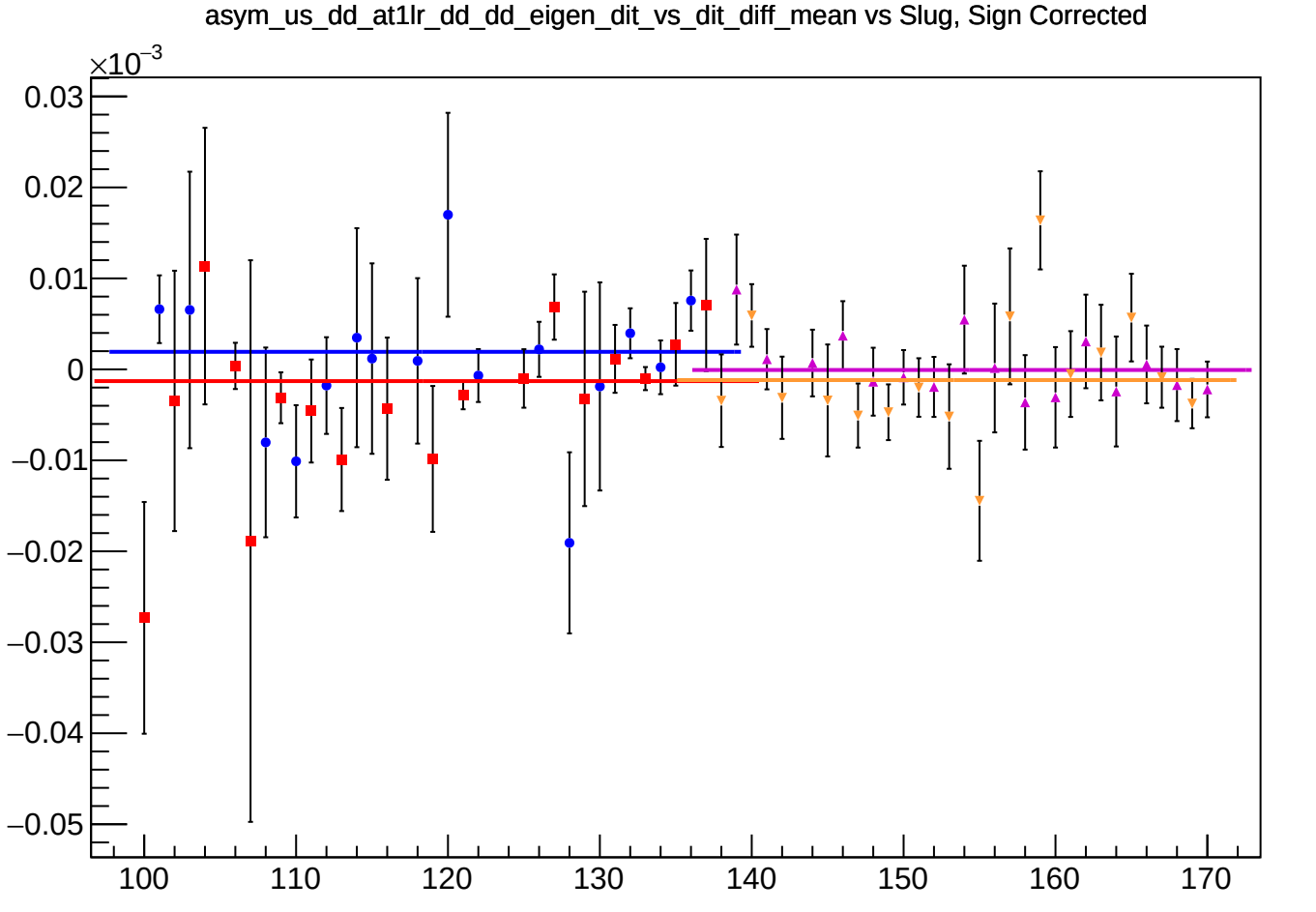
Left: 40.098+/-0.006 χ^2/NDF: 461948.5/31

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.537+/-0.007 χ^2/NDF:1652817.8/31

Out: 39.610+/-0.007 χ^2/NDF:2122448.2/33

All: 39.572+/-0.005 χ^2/NDF: 3775320.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:6.7/15

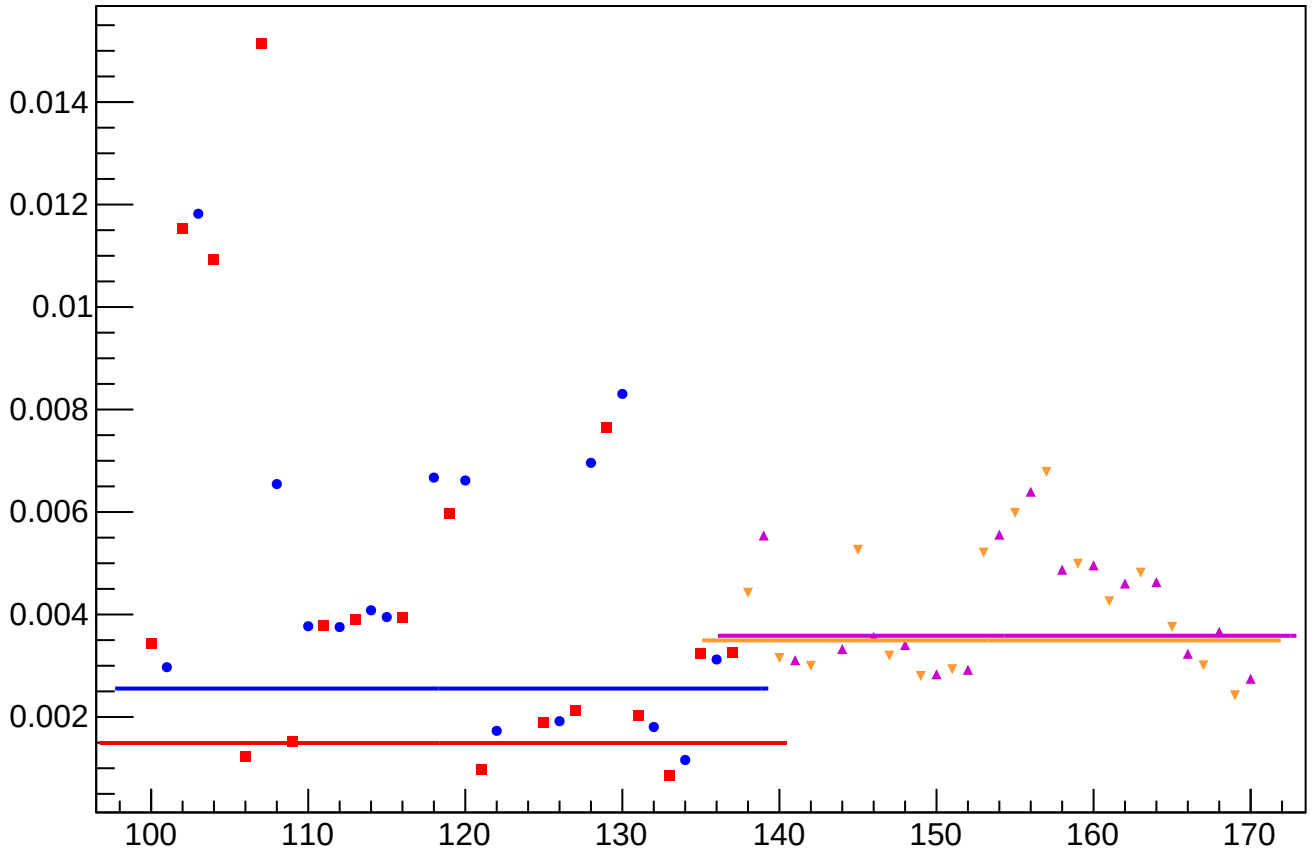
Left: -0.000+/-0.000 χ^2/NDF: 33.9/31

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

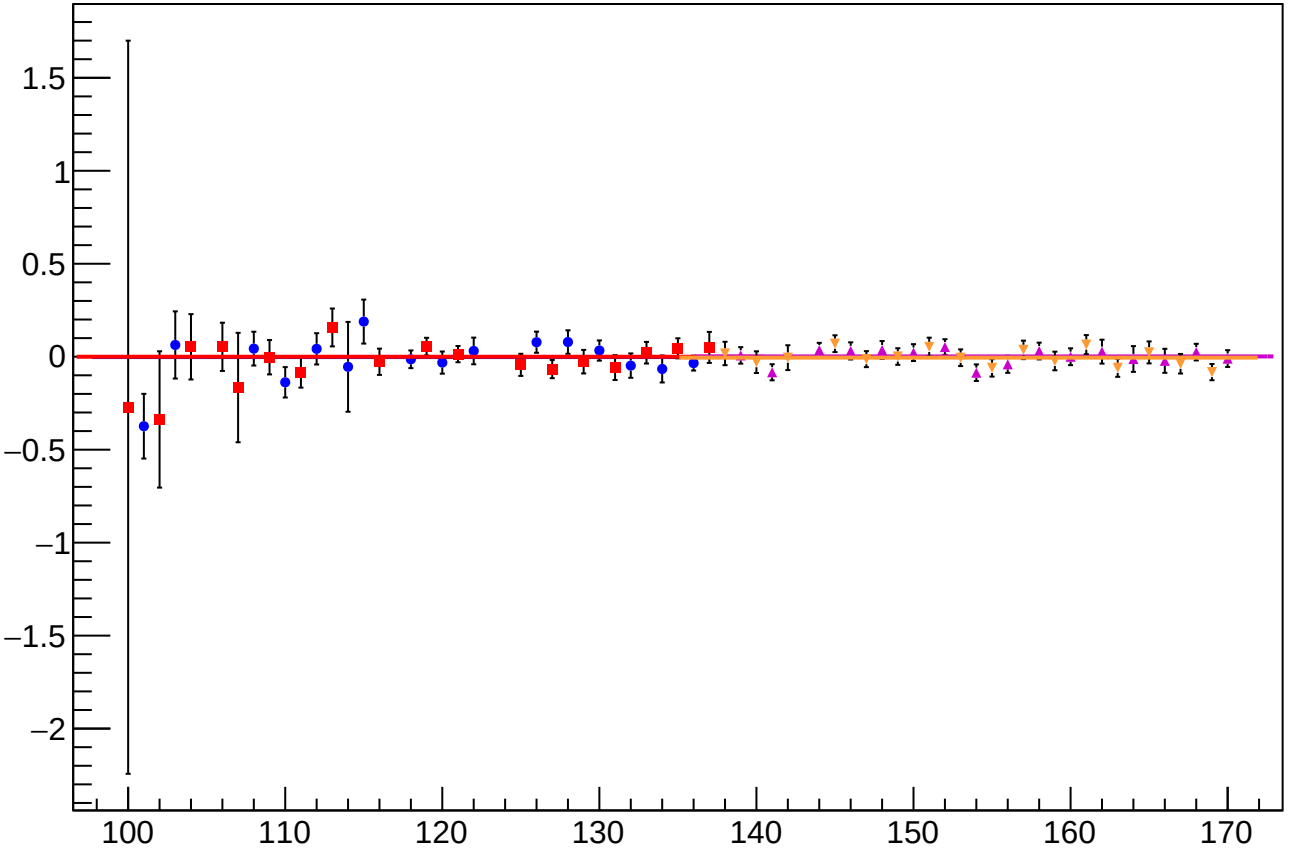
In: 0.000+/-0.000 χ^2/NDF:26.2/31

Out: -0.000+/-0.000 χ^2/NDF:45.6/33

All: -0.000+/-0.000 χ^2/NDF: 76.3/65


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:1998451.9/15
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1560088.2/15
Left: 0.004+/-0.000 χ²/NDF: 3566287.4/31
Right: 0.002+/-0.000 χ²/NDF: 10553457.3/33
In: 0.003+/-0.000 χ²/NDF:6241664.6/31
Out: 0.002+/-0.000 χ²/NDF:12473196.8/33
All: 0.003+/-0.000 χ²/NDF: 20563179.4/65

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+/-0.012 χ^2/NDF:13.6/15

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: -0.001+/-0.009 χ^2/NDF: 26.7/31

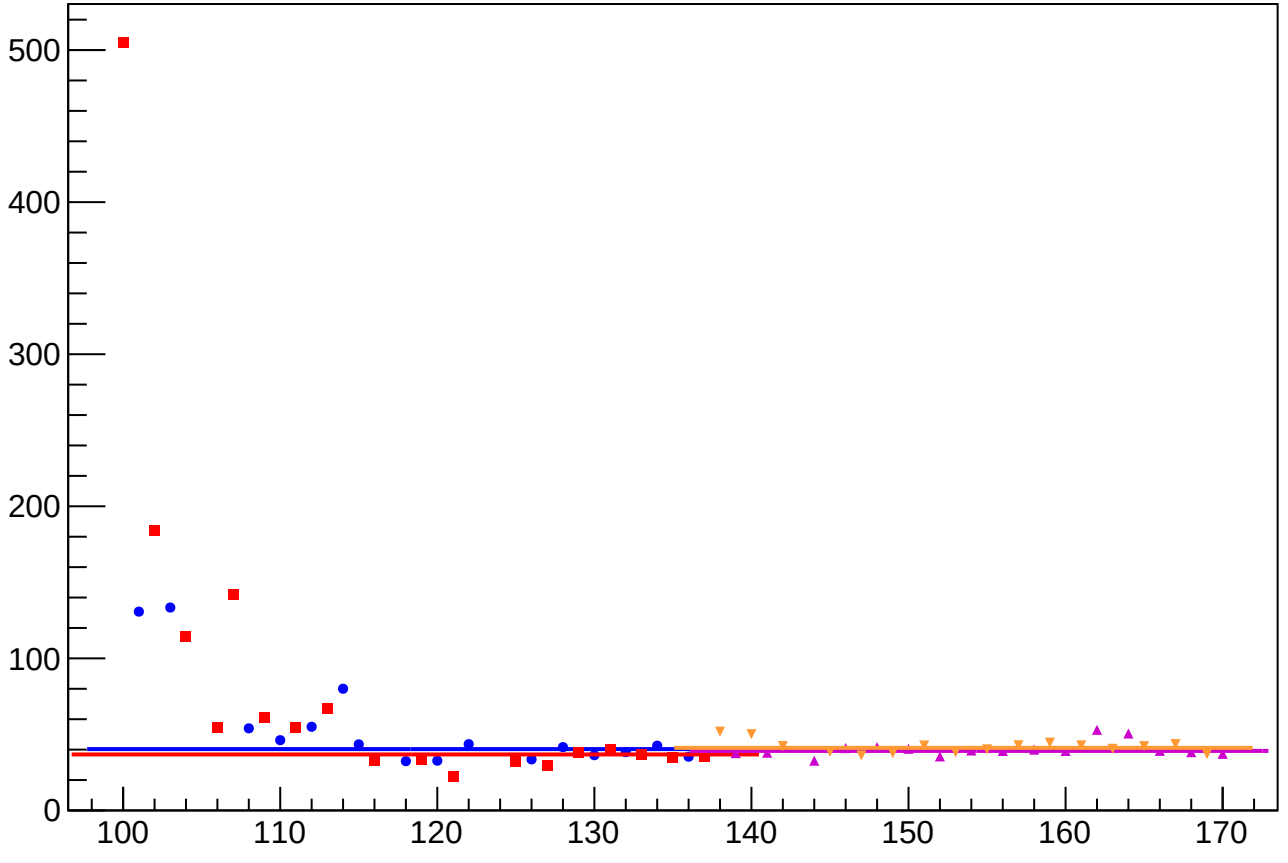
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: -0.003+/-0.010 χ^2/NDF:24.6/33

All: -0.001+/-0.007 χ^2/NDF: 54.8/65

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.166+/-0.009 χ^2/NDF:198259.9/15

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.153+/-0.008 χ^2/NDF:235960.3/15

Left: 40.098+/-0.006 χ^2/NDF: 461923.4/31

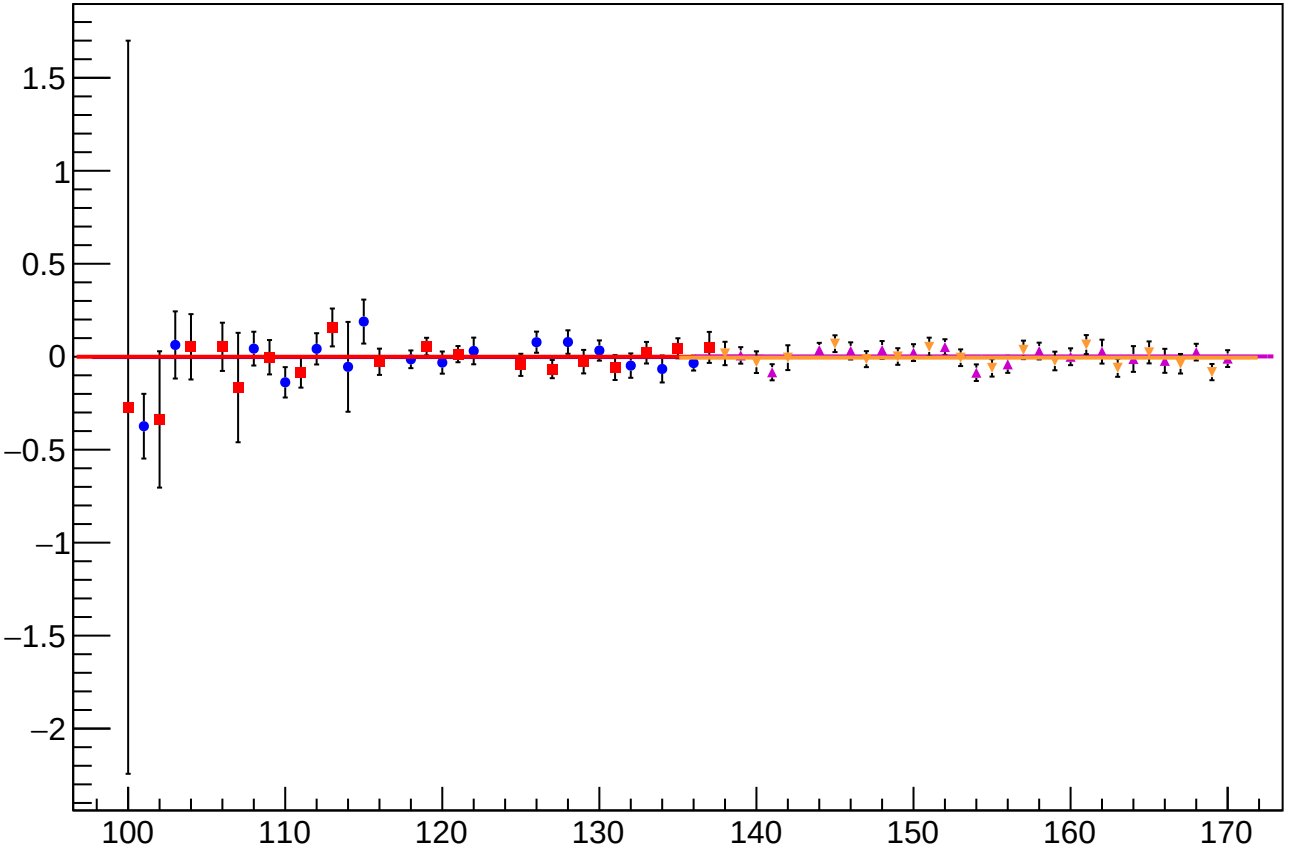
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.537+/-0.007 χ^2/NDF:1652697.5/31

Out: 39.609+/-0.007 χ^2/NDF:2122477.2/33

All: 39.572+/-0.005 χ^2/NDF: 3775228.8/65

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+/-0.012 χ^2/NDF:13.6/15

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: -0.001+/-0.009 χ^2/NDF: 26.7/31

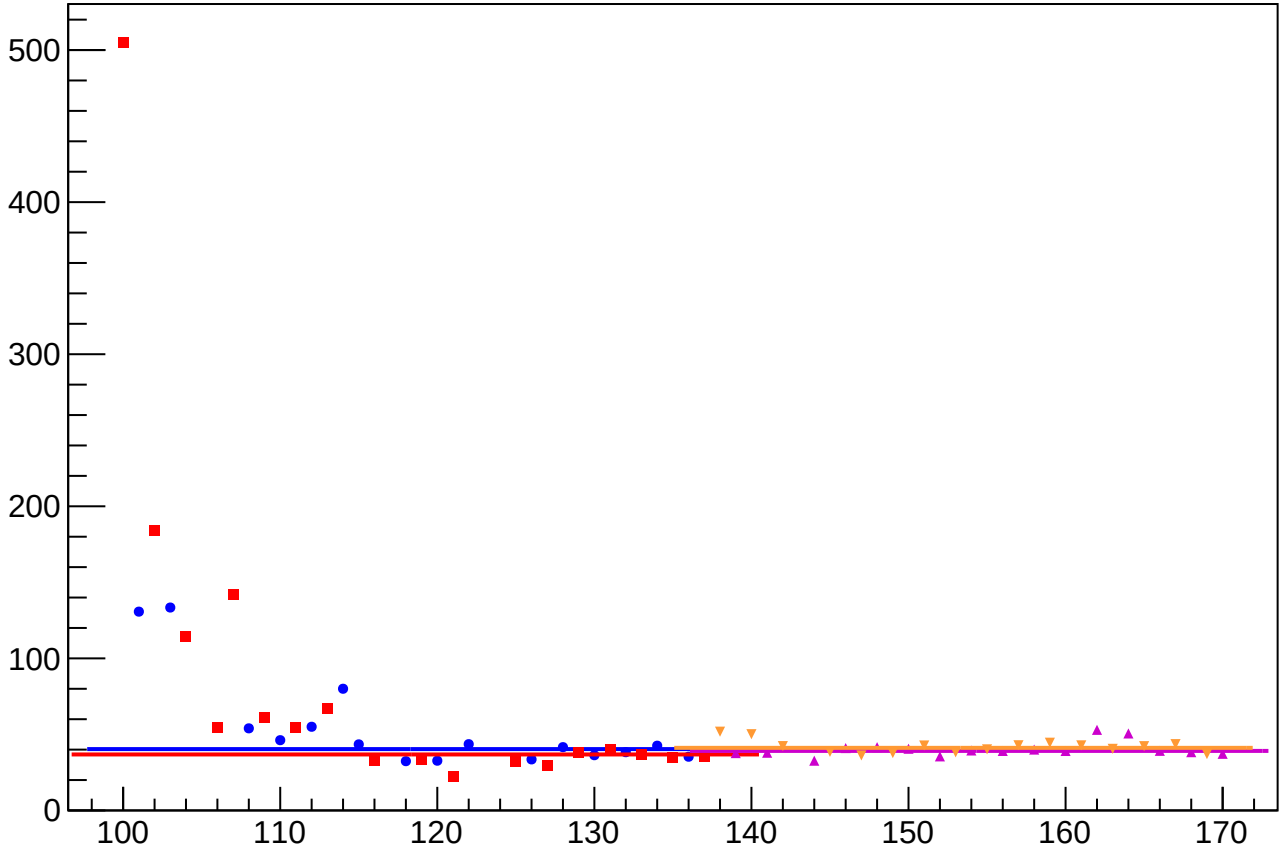
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: -0.003+/-0.010 χ^2/NDF:24.6/33

All: -0.001+/-0.007 χ^2/NDF: 54.8/65

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.166+/-0.009 χ^2/NDF:198259.9/15

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.153+/-0.008 χ^2/NDF:235960.3/15

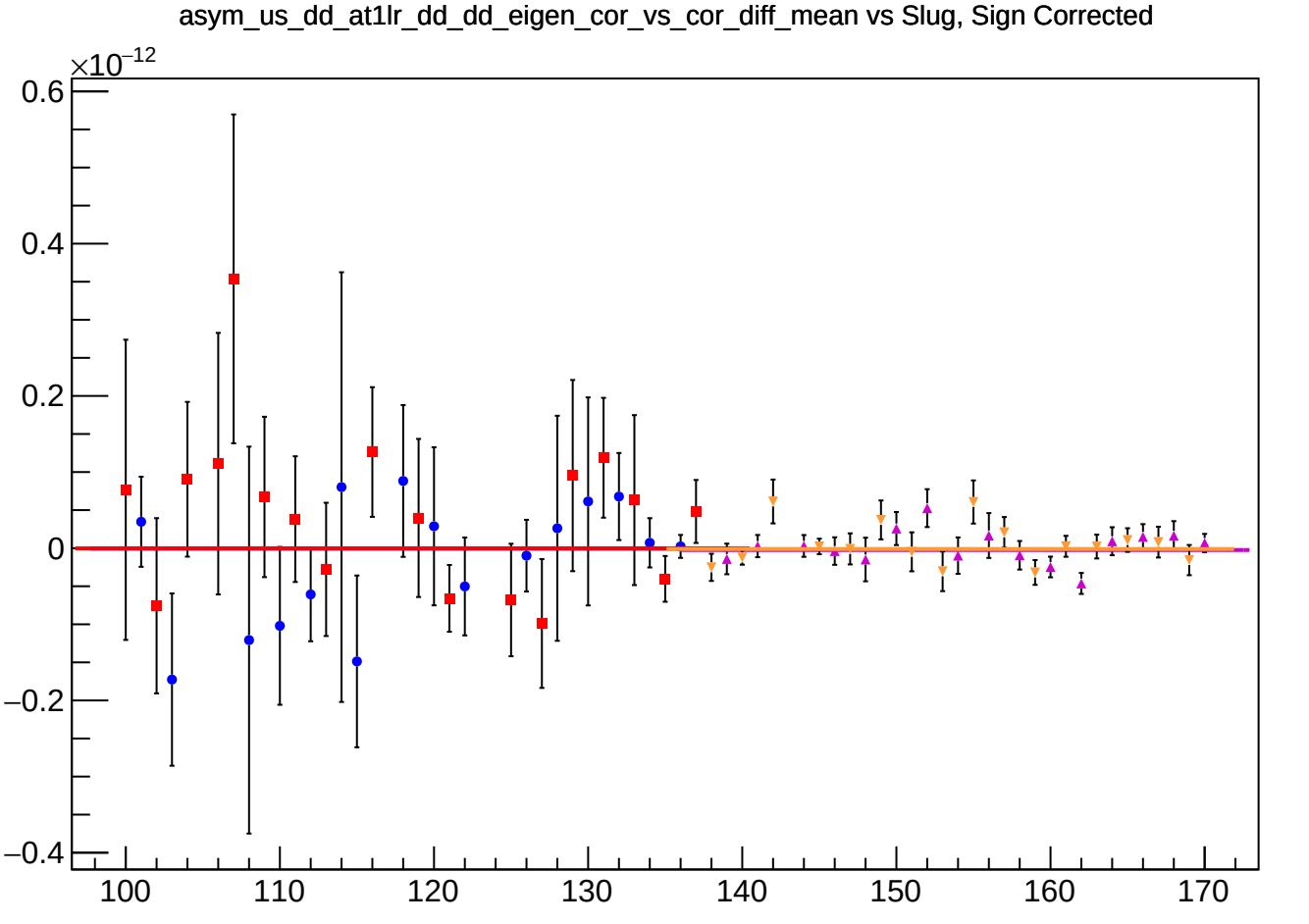
Left: 40.098+/-0.006 χ^2/NDF: 461923.4/31

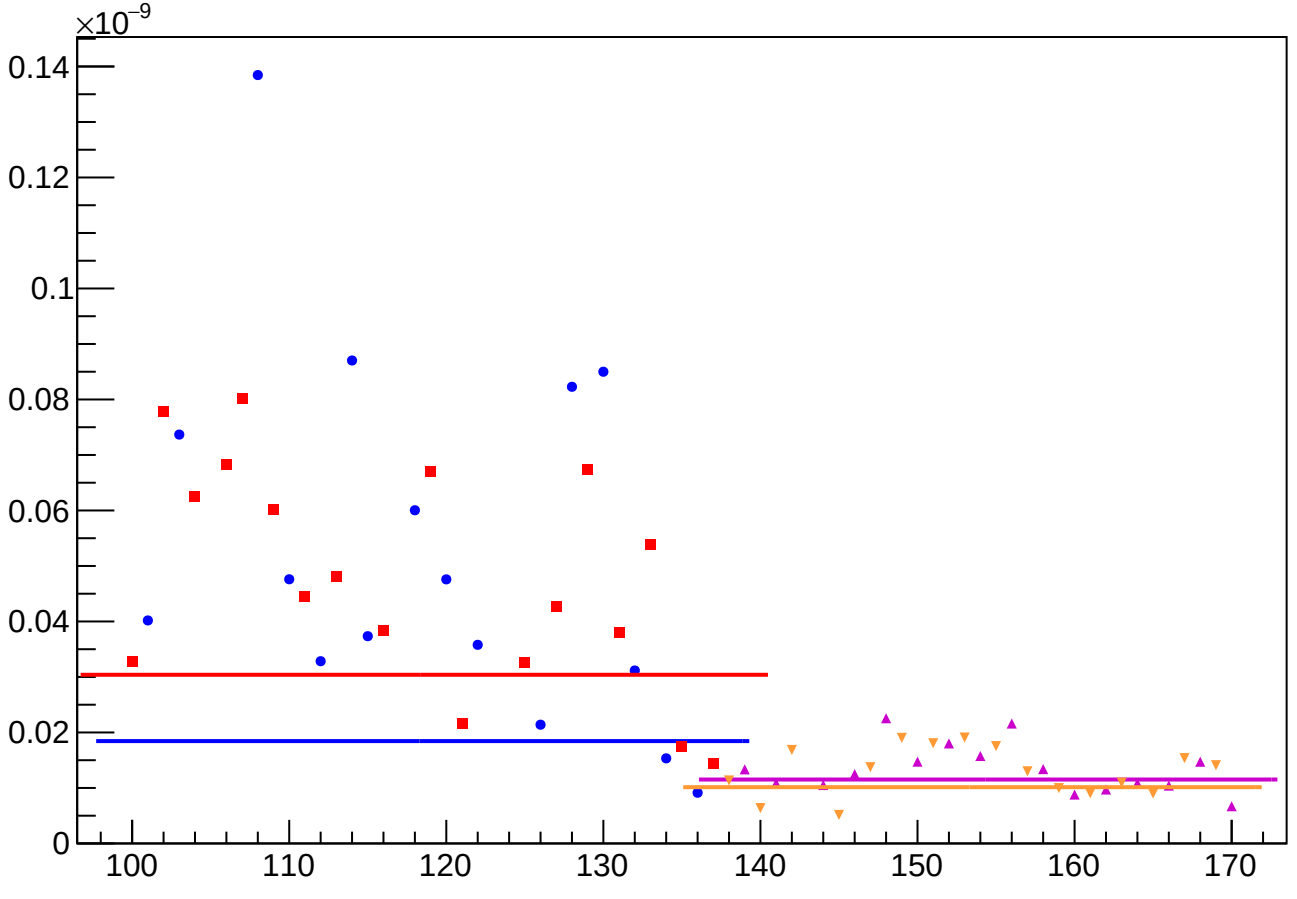
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.537+/-0.007 χ^2/NDF:1652697.5/31

Out: 39.609+/-0.007 χ^2/NDF:2122477.2/33

All: 39.572+/-0.005 χ^2/NDF: 3775228.8/65


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:22.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:23.9/15
Left: -0.000+/-0.000 χ²/NDF: 46.4/31
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:33.8/31
Out: -0.000+/-0.000 χ²/NDF:40.8/33
All: -0.000+/-0.000 χ²/NDF: 74.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2071251.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1335178.4/15

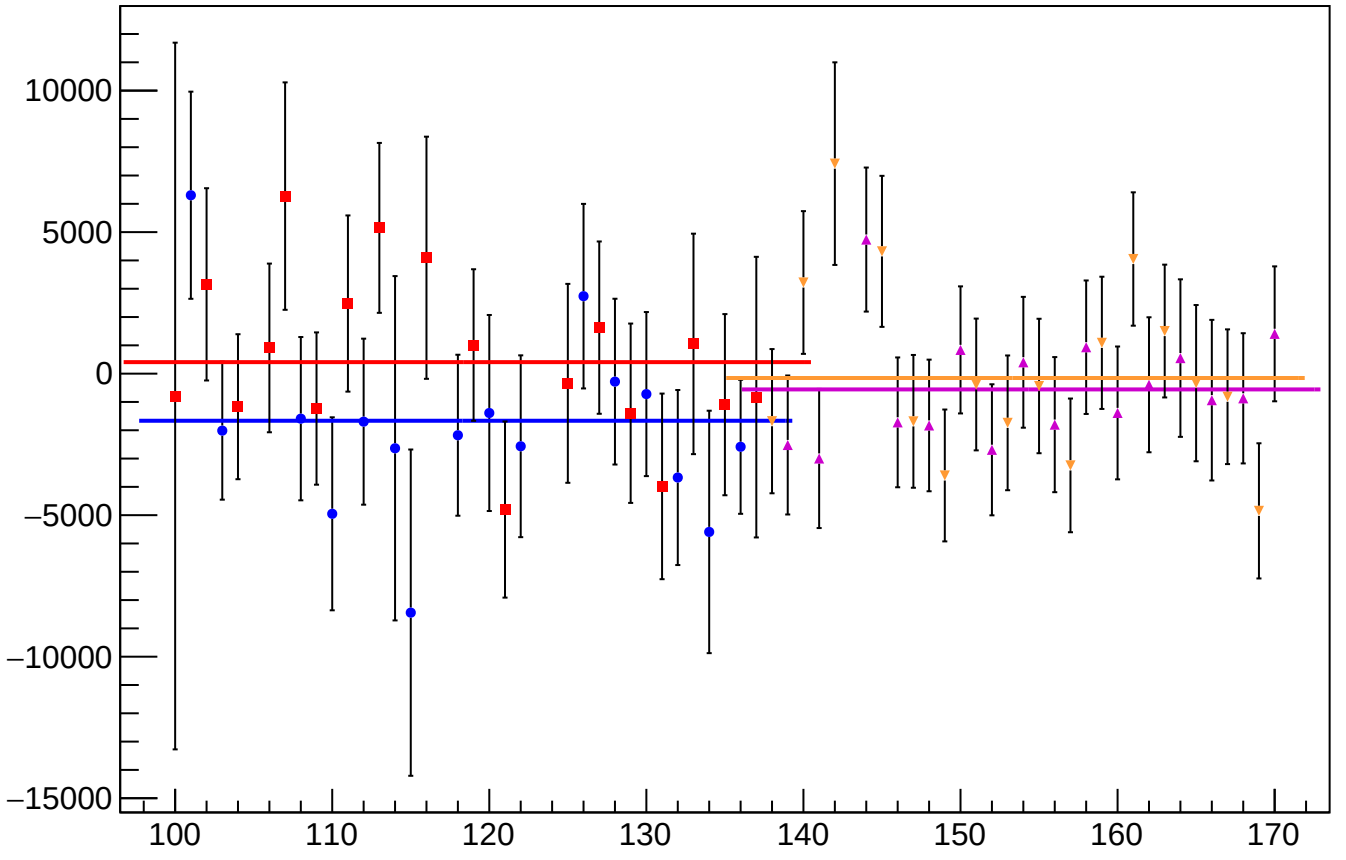
Left: 0.000+/-0.000 χ^2/NDF: 3512141.8/31

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:5986467.2/31

Out: 0.000+/-0.000 χ^2/NDF:7305405.3/33

All: 0.000+/-0.000 χ^2/NDF: 13357253.3/65



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -153.796+/-615.255 χ^2/NDF:22.1/15

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -557.321+/-601.454 χ^2/NDF:9.6/15

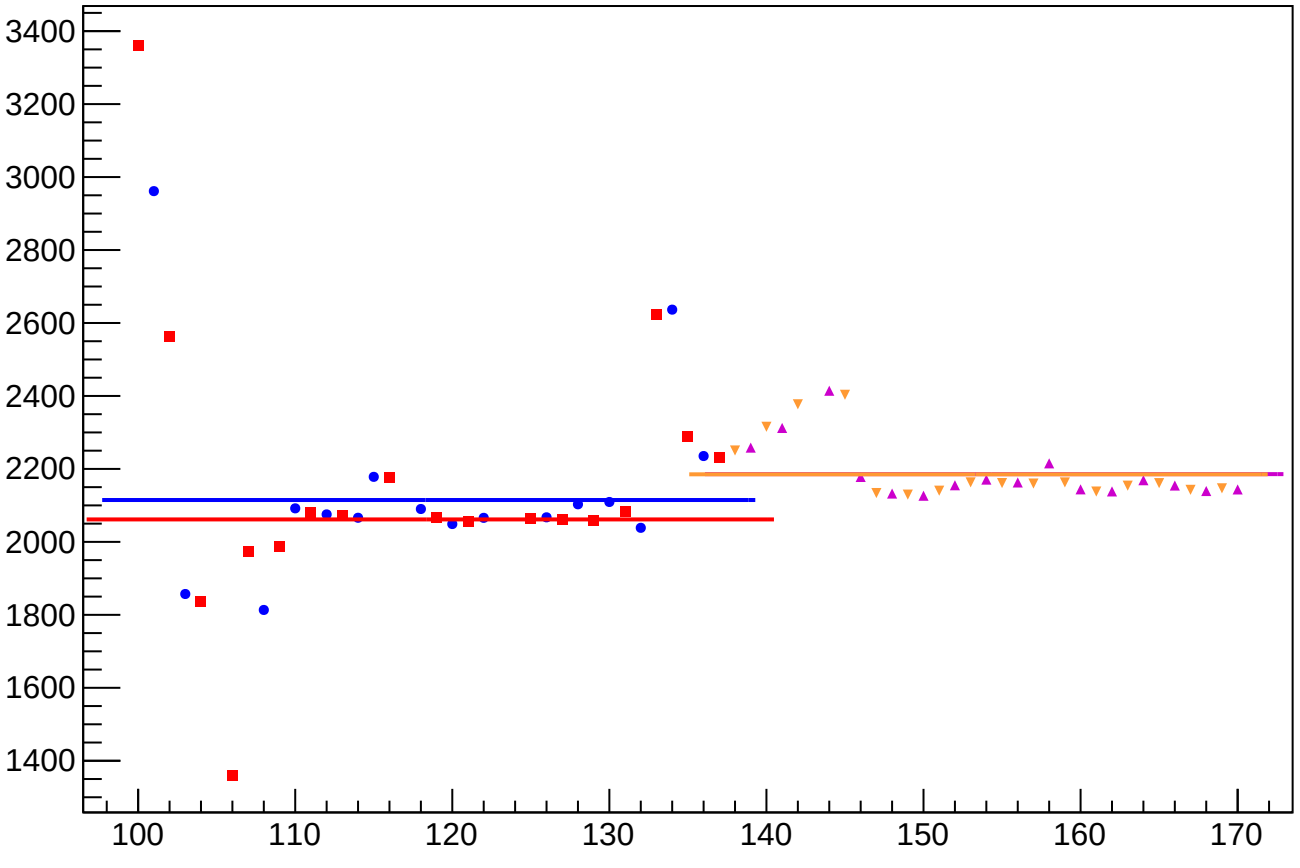
Left: -360.135+/-430.089 χ^2/NDF: 32.0/31

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -962.112+/-479.027 χ^2/NDF:21.6/31

Out: 62.206+/-482.387 χ^2/NDF:35.2/33

All: -453.532+/-339.905 χ^2/NDF: 59.1/65



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2185.198+/-0.435 χ^2/NDF:31856.1/15

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2185.466+/-0.304 χ^2/NDF: 61613.7/31

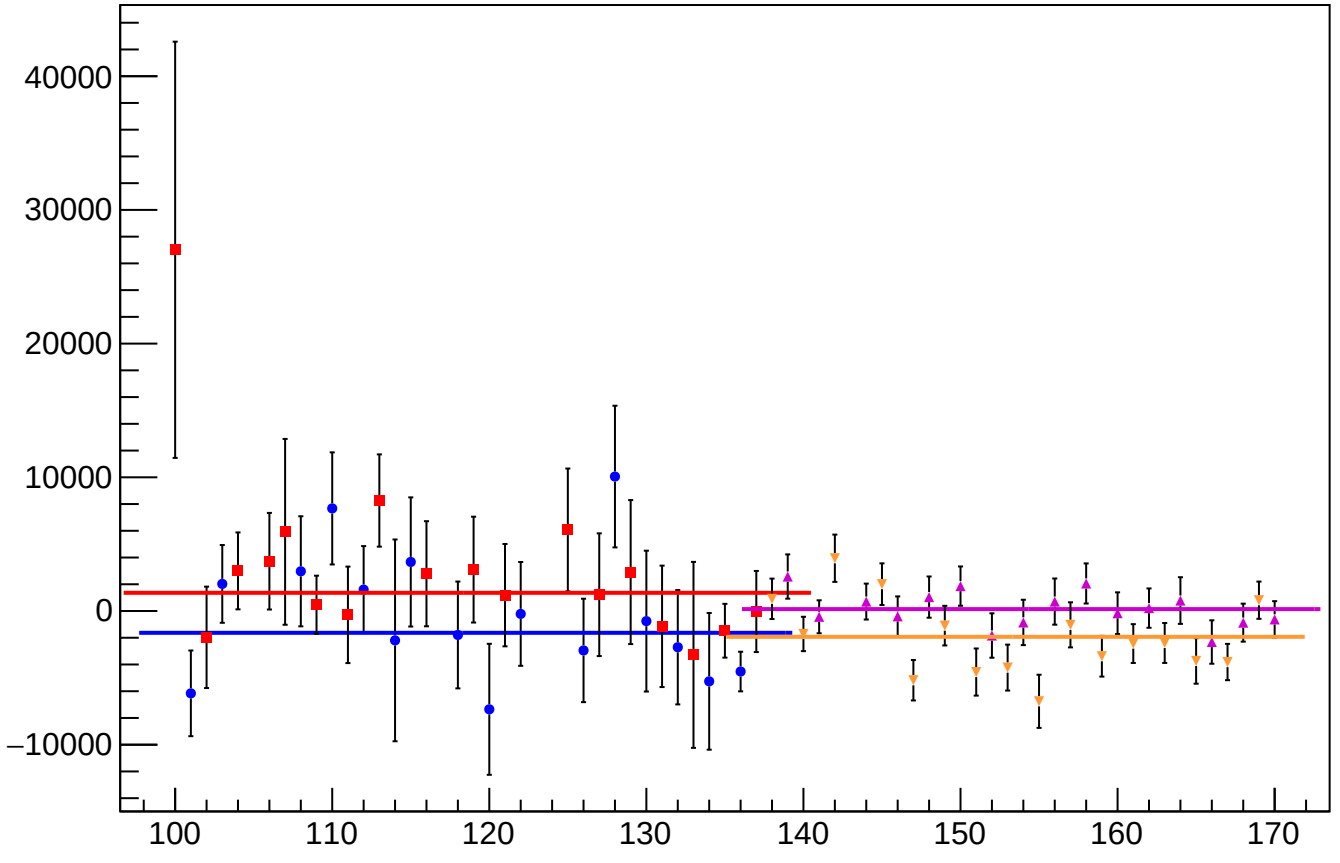
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2159.771+/-0.339 χ^2/NDF:229859.2/31

Out: 2137.563+/-0.341 χ^2/NDF:312159.7/33

All: 2148.745+/-0.240 χ^2/NDF: 544153.3/65

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: -1930.719+/-386.641 χ^2/NDF:44.2/15

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 142.215+/-377.528 χ^2/NDF:11.2/15

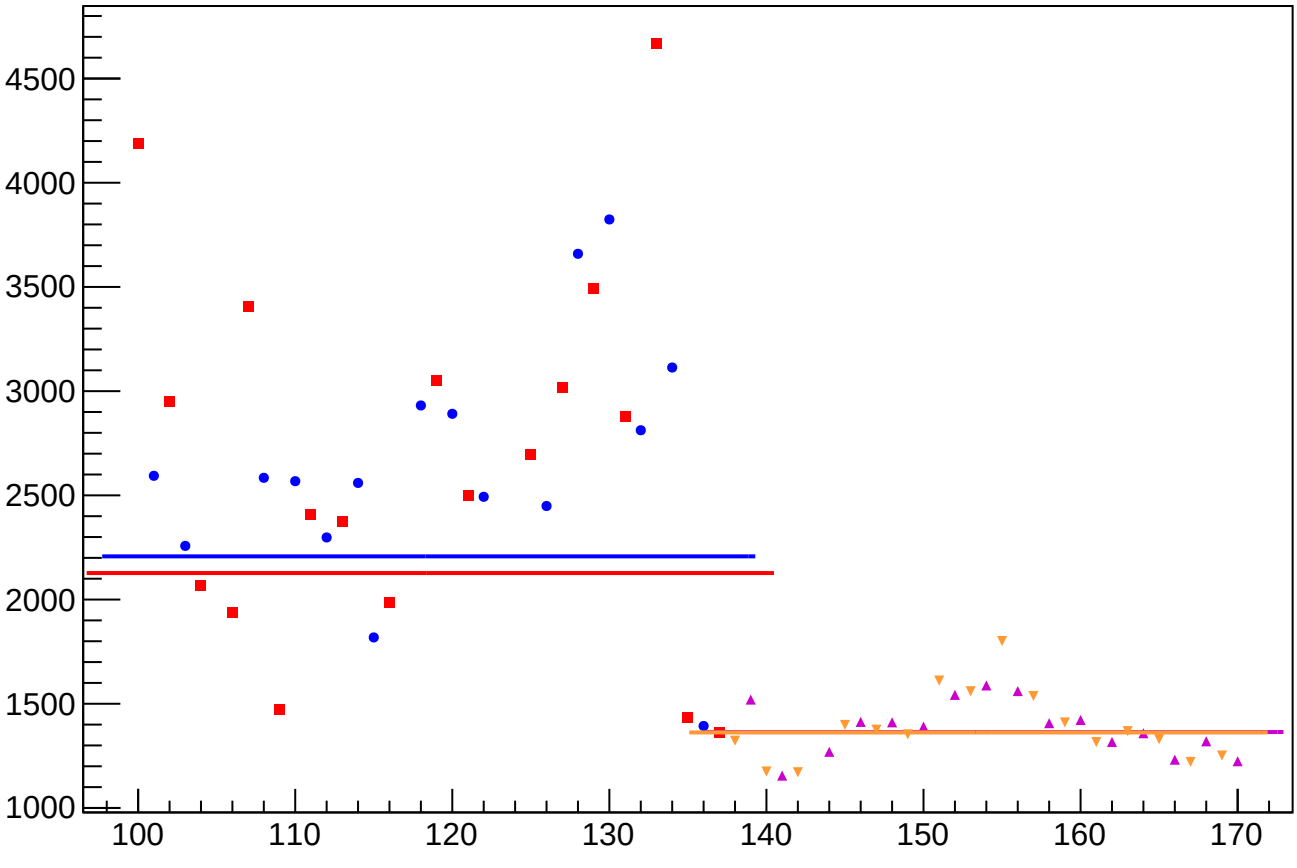
Left: -869.536+/-270.117 χ^2/NDF: 70.1/31

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -142.858+/-345.843 χ^2/NDF:37.6/31

Out: -1355.569+/-351.252 χ^2/NDF:70.3/33

All: -739.804+/-246.438 χ^2/NDF: 113.9/65



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1362.452+/-0.273 χ^2/NDF:292829.4/15

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1364.347+/-0.267 χ^2/NDF:216462.5/15

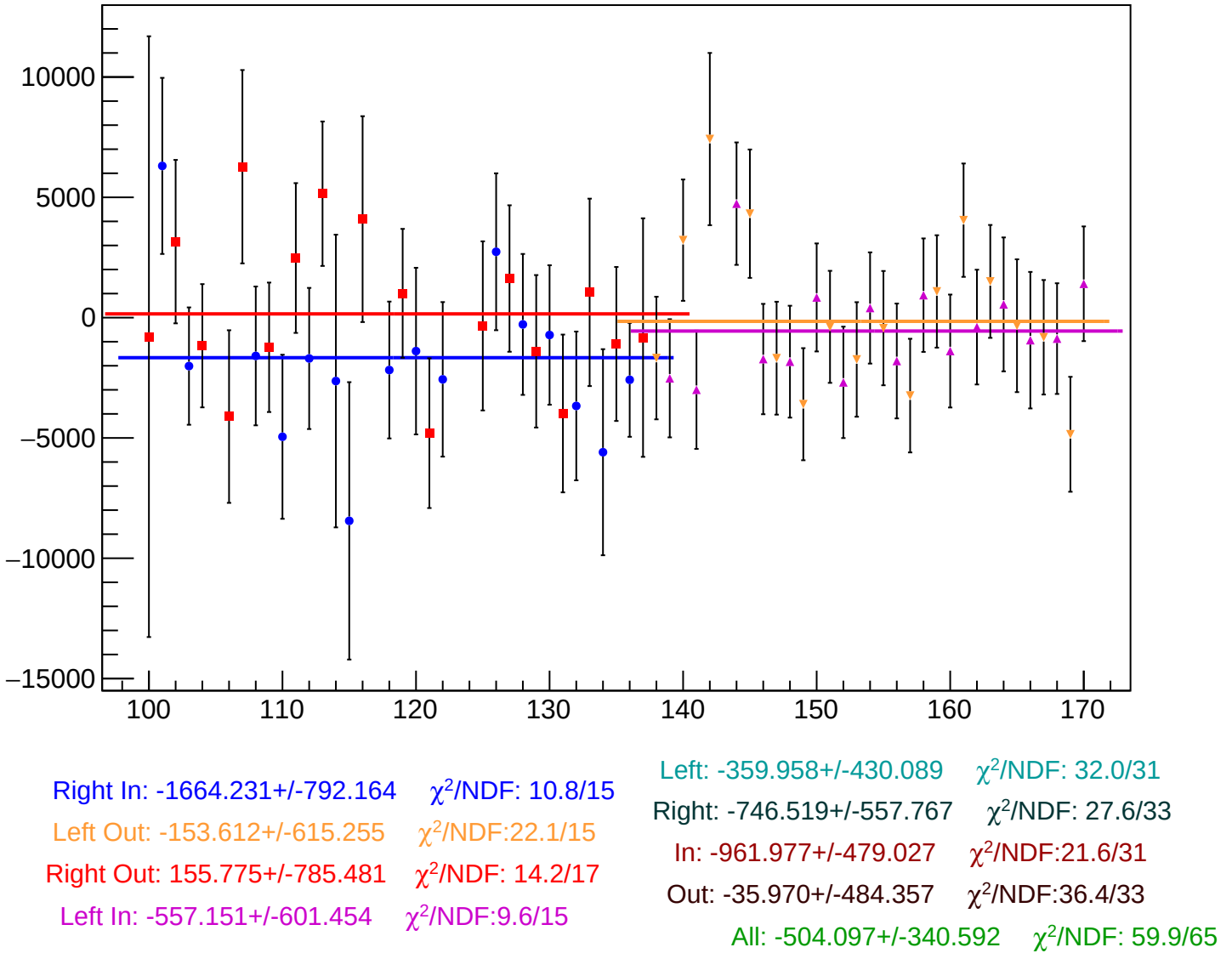
Left: 1363.422+/-0.191 χ^2/NDF: 509316.5/31

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1499.898+/-0.245 χ^2/NDF:3069021.6/31

Out: 1496.044+/-0.248 χ^2/NDF:3117739.9/33

All: 1498.001+/-0.174 χ^2/NDF: 6186883.8/65


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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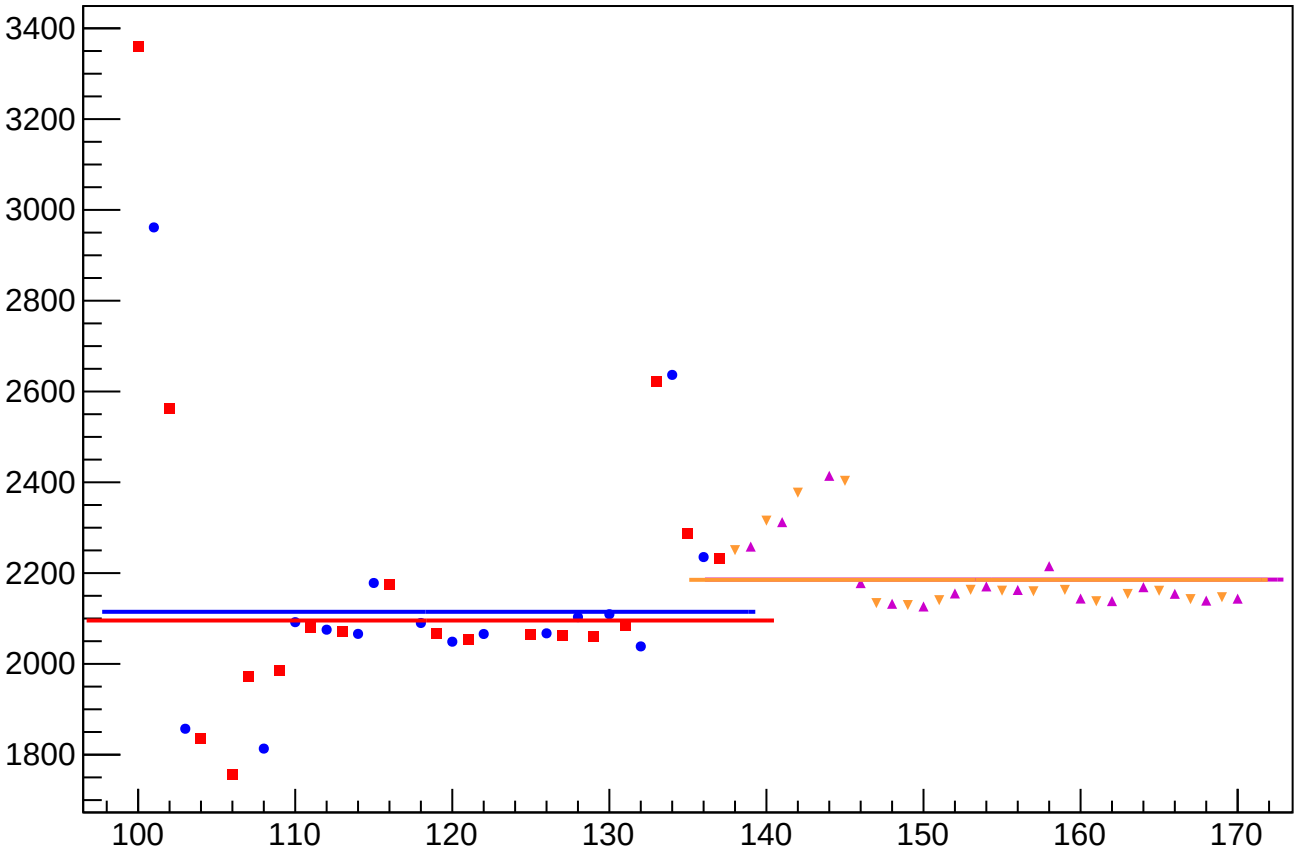
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -153.612+/-615.255 χ²/NDF:22.1/15
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -557.151+/-601.454 χ²/NDF:9.6/15
Left: -359.958+/-430.089 χ²/NDF: 32.0/31
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -961.977+/-479.027 χ²/NDF:21.6/31
Out: -35.970+/-484.357 χ²/NDF:36.4/33
All: -504.097+/-340.592 χ²/NDF: 59.9/65



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2185.198+/-0.435 χ^2/NDF:31856.1/15

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2185.466+/-0.304 χ^2/NDF: 61613.7/31

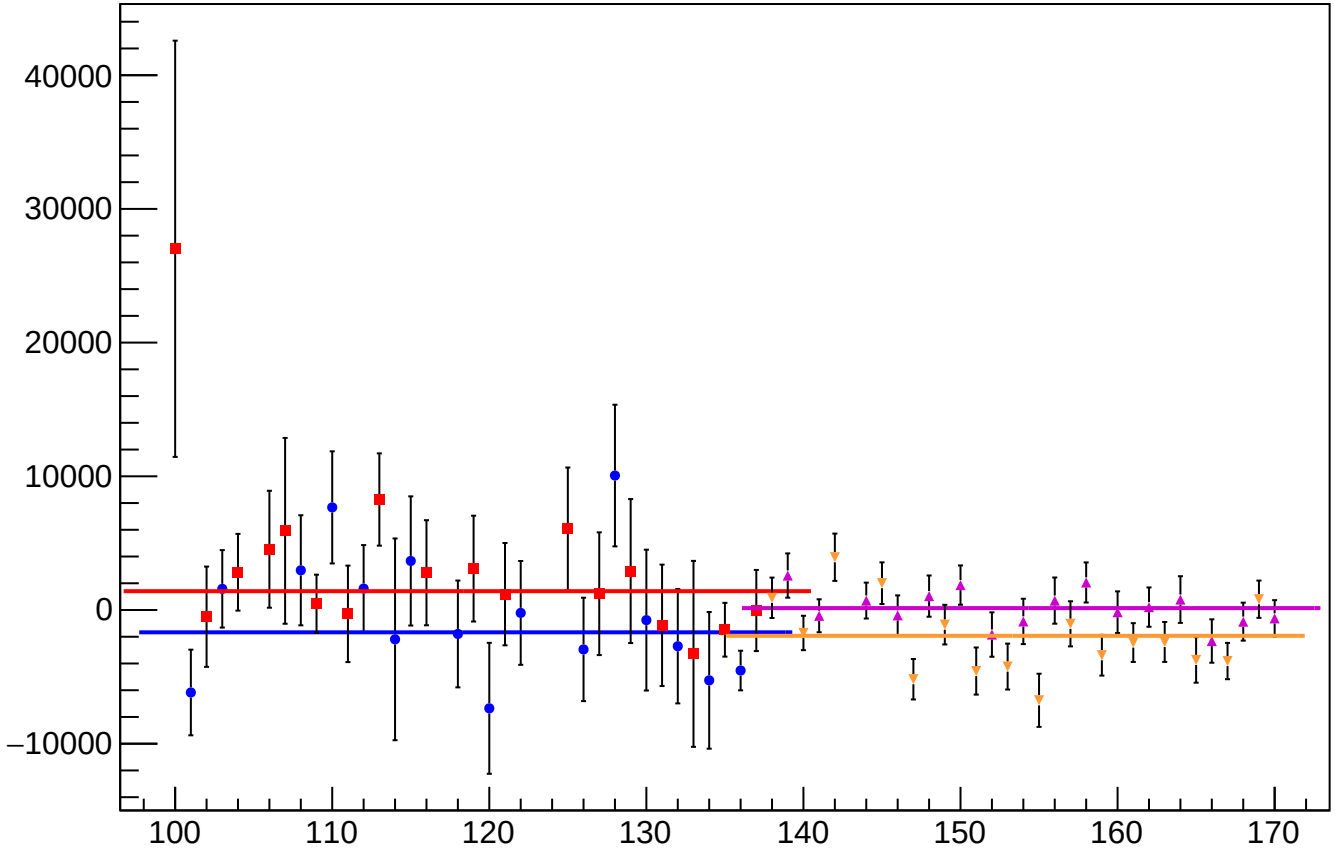
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.771+/-0.339 χ^2/NDF:229859.5/31

Out: 2151.128+/-0.342 χ^2/NDF:197345.7/33

All: 2155.497+/-0.241 χ^2/NDF: 427527.2/65

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: -1930.740+/-386.643 χ^2/NDF:44.2/15

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 142.104+/-377.527 χ^2/NDF:11.2/15

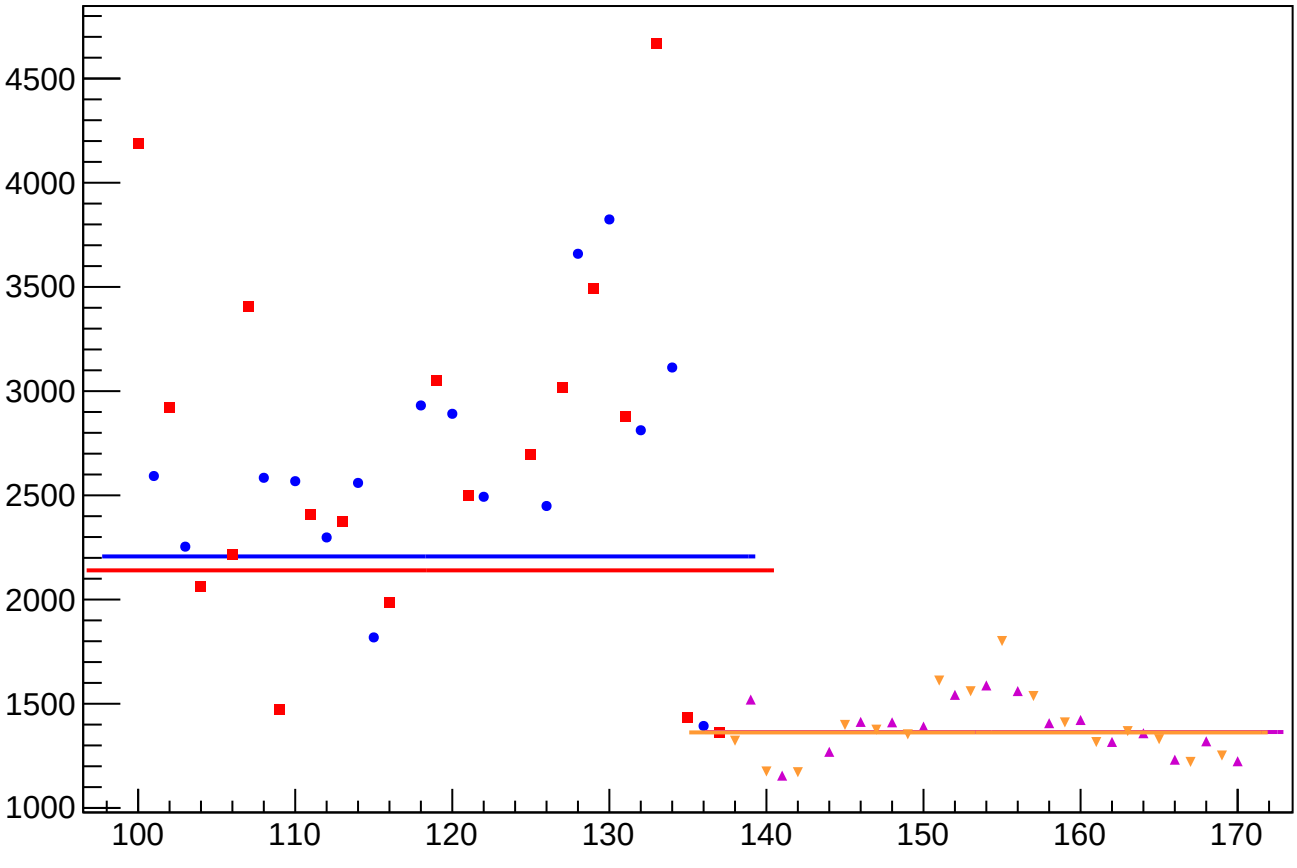
Left: -869.594+/-270.117 χ^2/NDF: 70.1/31

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -149.227+/-345.823 χ^2/NDF:37.4/31

Out: -1355.071+/-351.735 χ^2/NDF:70.0/33

All: -741.931+/-246.597 χ^2/NDF: 113.4/65



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1362.463+/-0.273 χ^2/NDF:292772.8/15

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1364.342+/-0.267 χ^2/NDF:216521.5/15

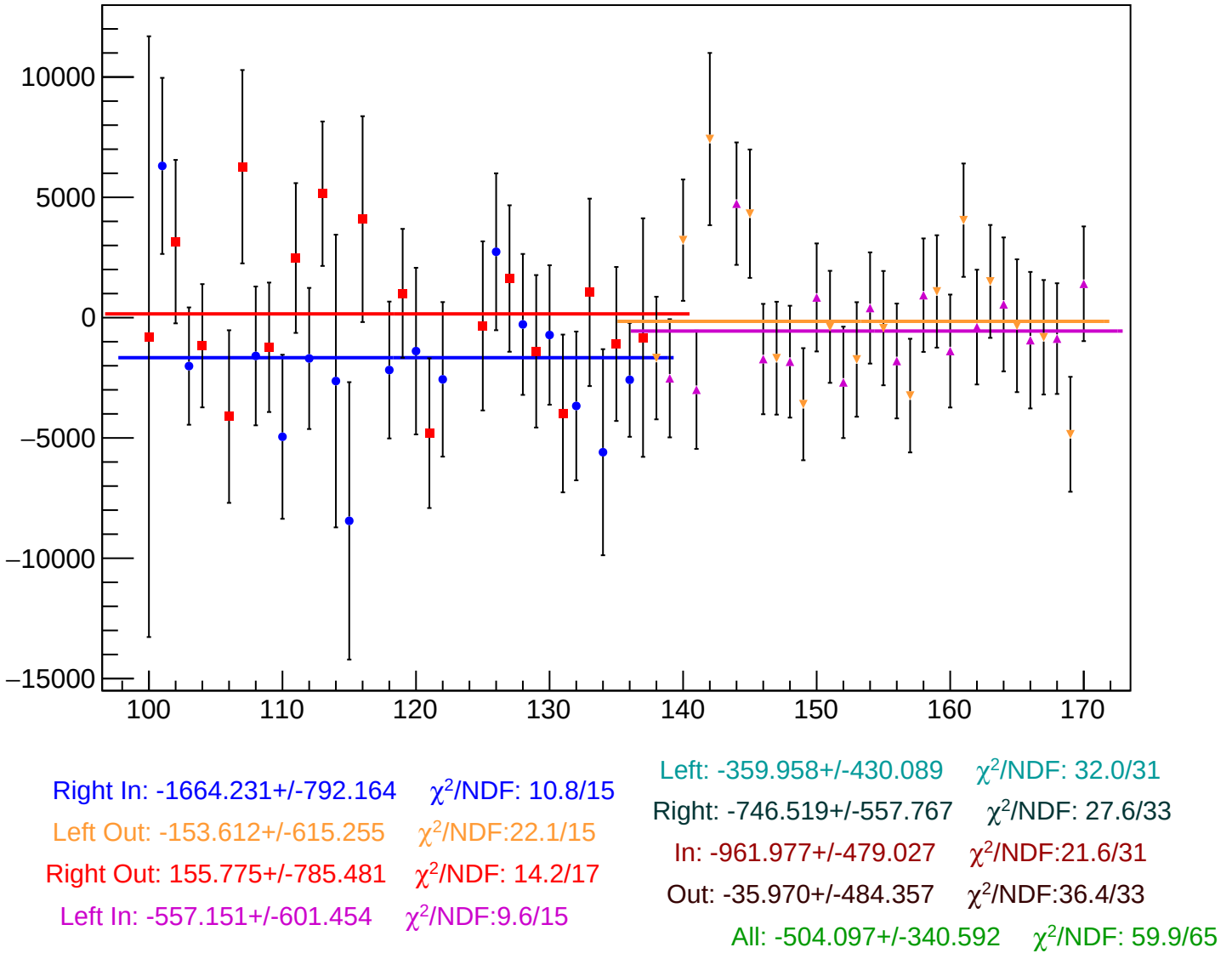
Left: 1363.425+/-0.191 χ^2/NDF: 509318.5/31

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1499.916+/-0.245 χ^2/NDF:3068489.9/31

Out: 1496.538+/-0.249 χ^2/NDF:3135934.6/33

All: 1498.256+/-0.174 χ^2/NDF: 6204518.3/65


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−5000
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−15000
100
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120
130
140
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Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -153.612+/-615.255 χ²/NDF:22.1/15
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -557.151+/-601.454 χ²/NDF:9.6/15
Left: -359.958+/-430.089 χ²/NDF: 32.0/31
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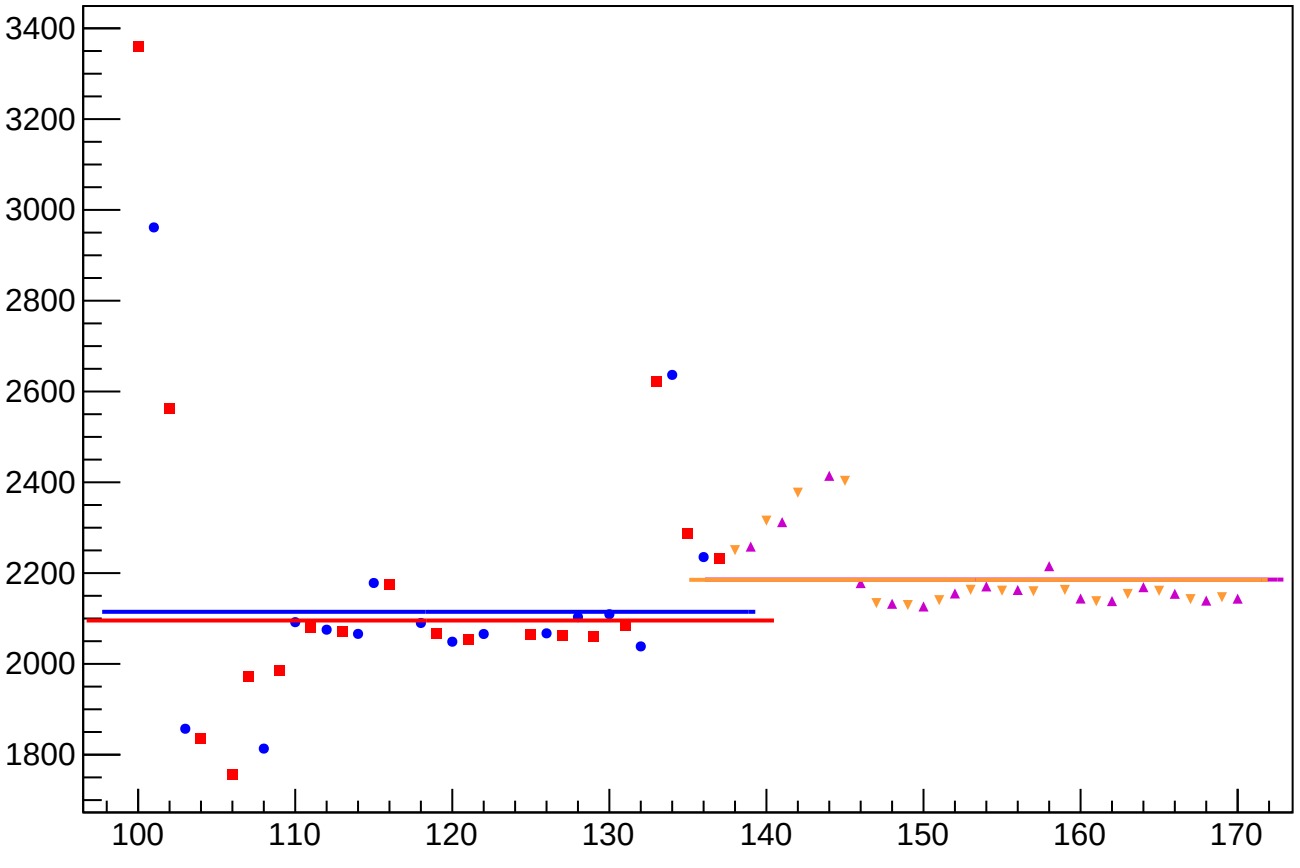
In: -961.977+/-479.027 χ²/NDF:21.6/31
Out: -35.970+/-484.357 χ²/NDF:36.4/33
All: -504.097+/-340.592 χ²/NDF: 59.9/65



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2185.198+/-0.435 χ^2/NDF:31856.1/15

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2185.466+/-0.304 χ^2/NDF: 61613.7/31

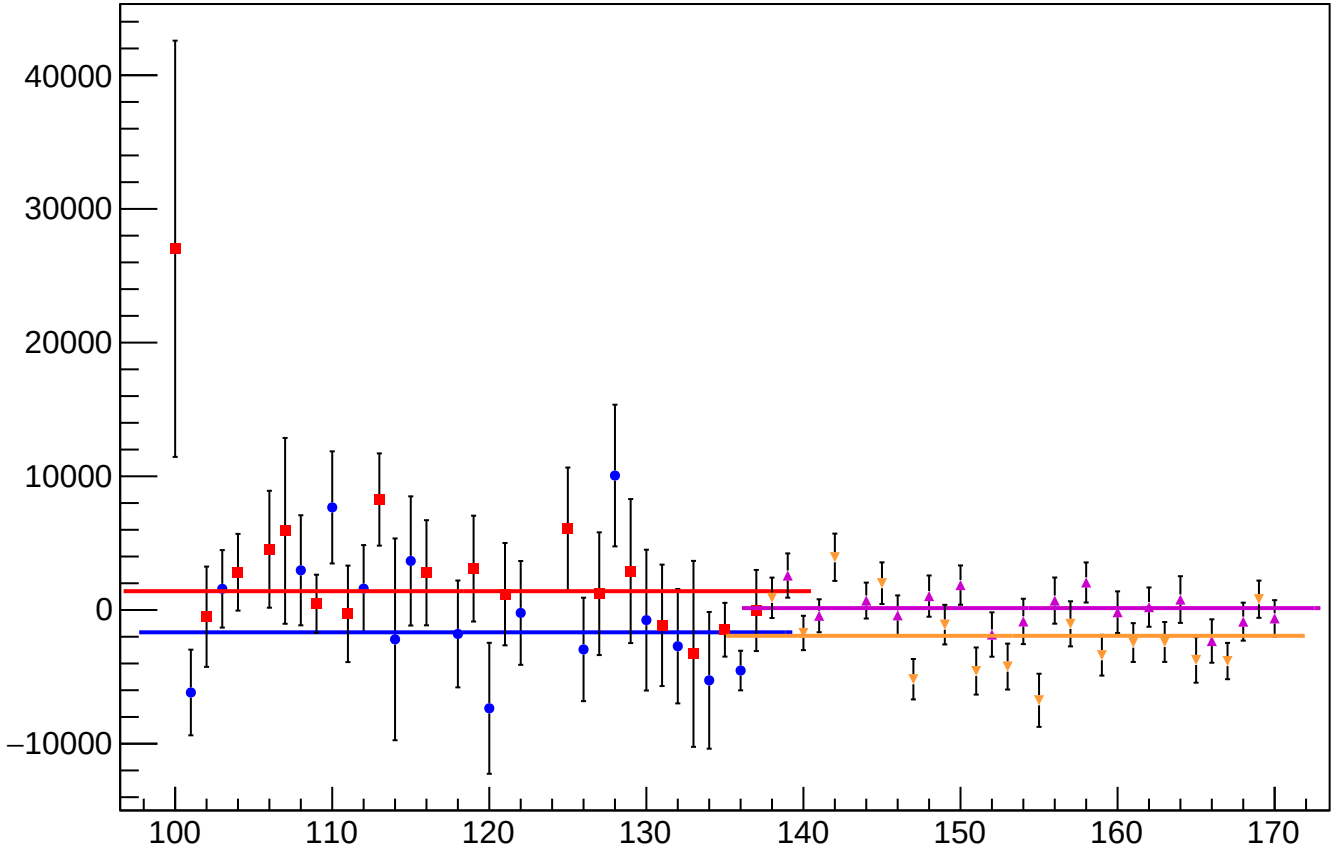
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.771+/-0.339 χ^2/NDF:229859.5/31

Out: 2151.128+/-0.342 χ^2/NDF:197345.7/33

All: 2155.497+/-0.241 χ^2/NDF: 427527.2/65

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: -1930.740+/-386.643 χ^2/NDF:44.2/15

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 142.104+/-377.527 χ^2/NDF:11.2/15

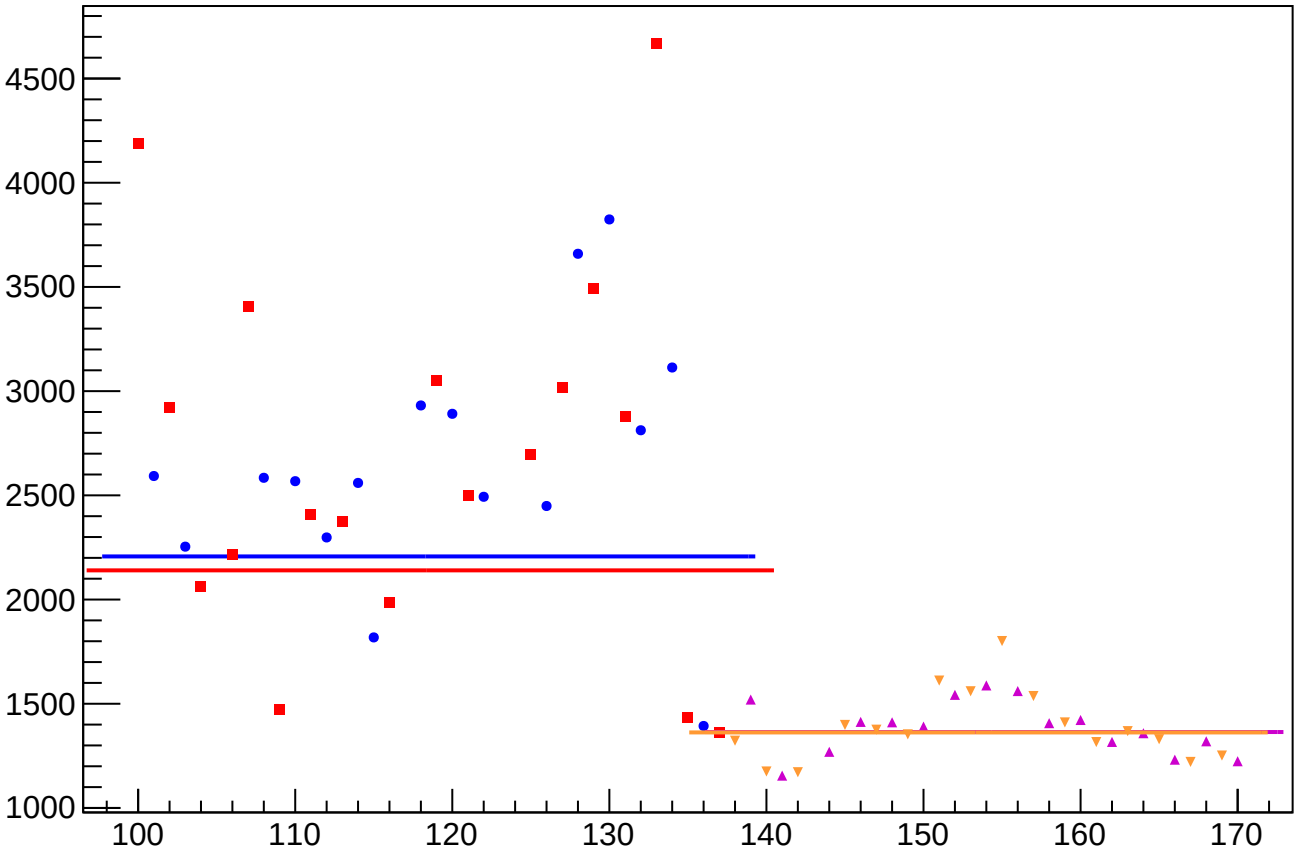
Left: -869.594+/-270.117 χ^2/NDF: 70.1/31

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -149.227+/-345.823 χ^2/NDF:37.4/31

Out: -1355.071+/-351.735 χ^2/NDF:70.0/33

All: -741.931+/-246.597 χ^2/NDF: 113.4/65



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1362.463+/-0.273 χ^2/NDF:292772.8/15

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1364.342+/-0.267 χ^2/NDF:216521.5/15

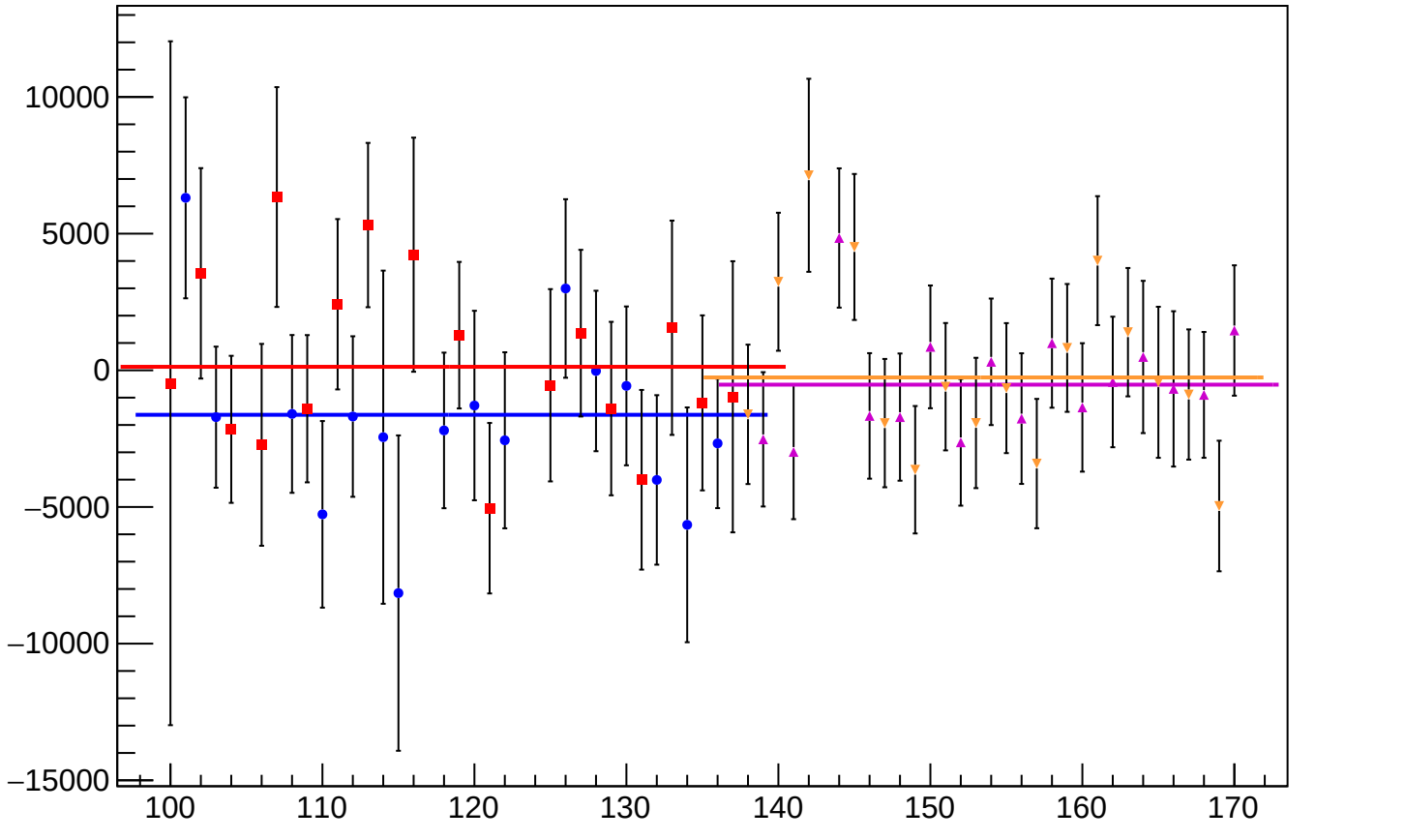
Left: 1363.425+/-0.191 χ^2/NDF: 509318.5/31

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1499.916+/-0.245 χ^2/NDF:3068489.9/31

Out: 1496.538+/-0.249 χ^2/NDF:3135934.6/33

All: 1498.256+/-0.174 χ^2/NDF: 6204518.3/65


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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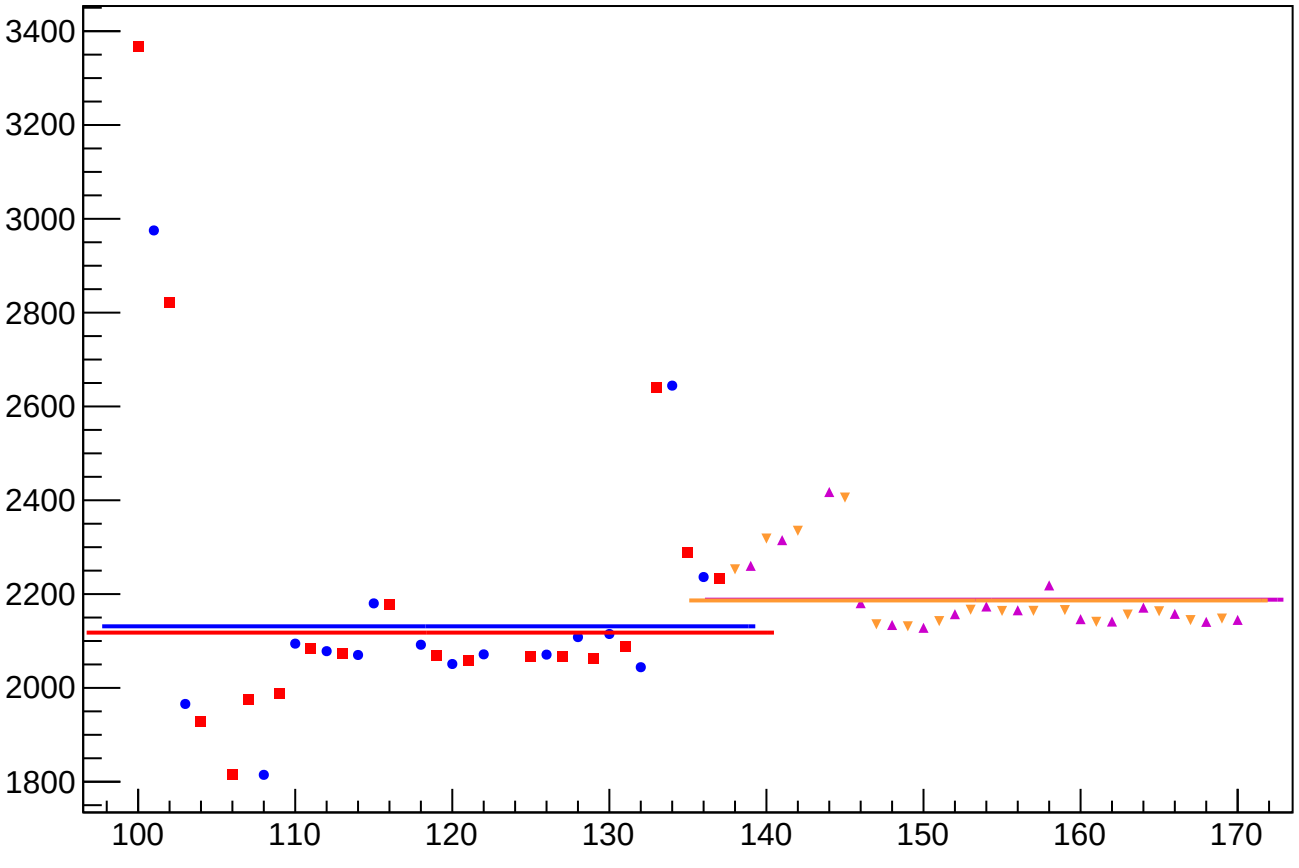
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -260.597+/-615.681 χ²/NDF:22.6/15
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -524.754+/-602.106 χ²/NDF:9.6/15
Left: -395.620+/-430.472 χ²/NDF: 32.3/31
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -924.870+/-480.633 χ²/NDF:22.2/31
Out: -115.078+/-486.981 χ²/NDF:37.3/33
All: -525.287+/-342.081 χ²/NDF: 60.9/65



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2186.462+/-0.435 χ^2/NDF:29615.4/15

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2188.078+/-0.426 χ^2/NDF:29919.8/15

Left: 2187.288+/-0.304 χ^2/NDF: 59542.3/31

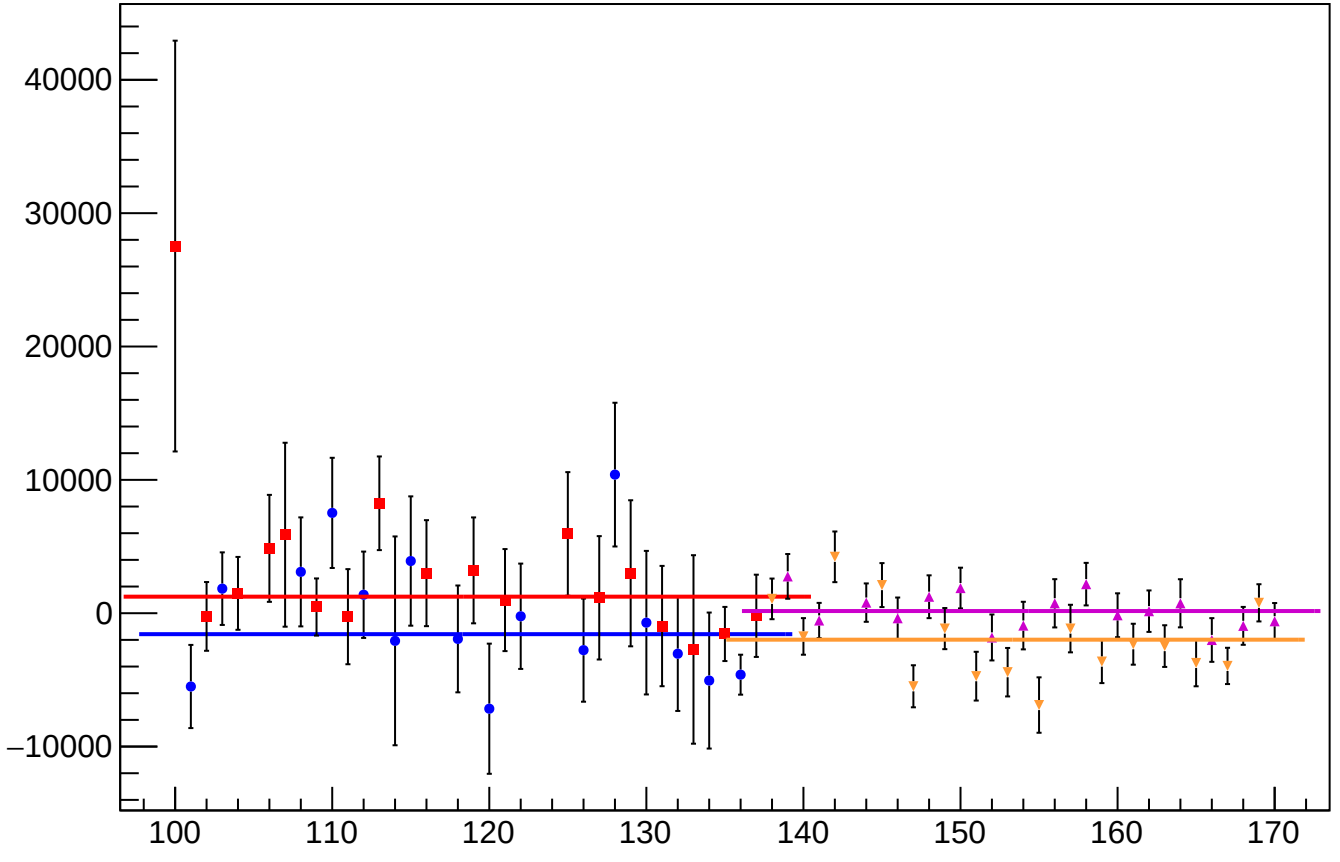
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2167.479+/-0.340 χ^2/NDF:212315.7/31

Out: 2160.781+/-0.344 χ^2/NDF:202532.1/33

All: 2164.174+/-0.242 χ^2/NDF: 415039.5/65

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: -1985.261+/-402.390 χ^2/NDF:44.1/15

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 162.981+/-392.654 χ^2/NDF:10.9/15

Left: -884.836+/-281.027 χ^2/NDF: 69.7/31

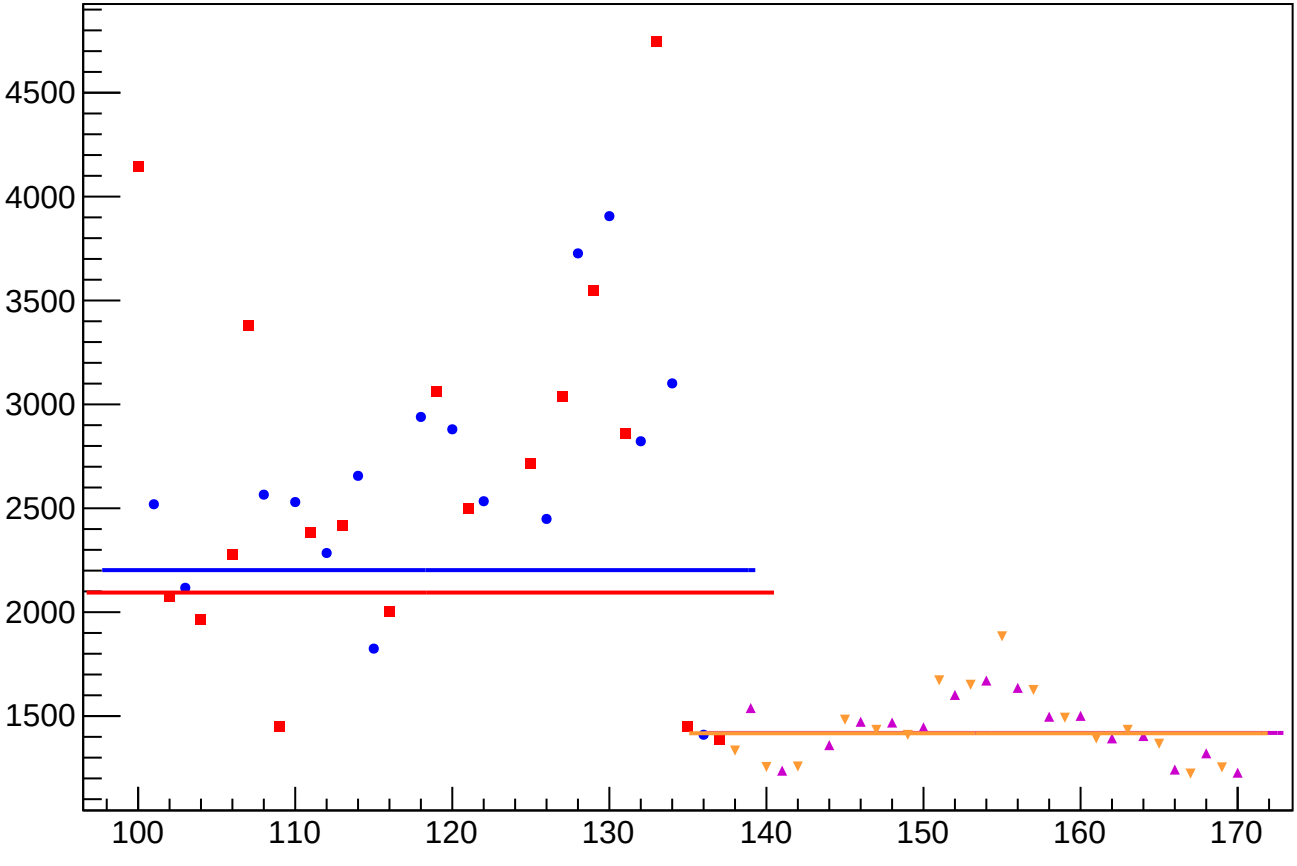
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -136.286+/-357.168 χ^2/NDF:36.9/31

Out: -1358.855+/-361.220 χ^2/NDF:69.7/33

All: -740.674+/-253.976 χ^2/NDF: 112.4/65

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1417.282+/-0.285 χ^2/NDF:326446.7/15

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1418.845+/-0.278 χ^2/NDF:229894.5/15

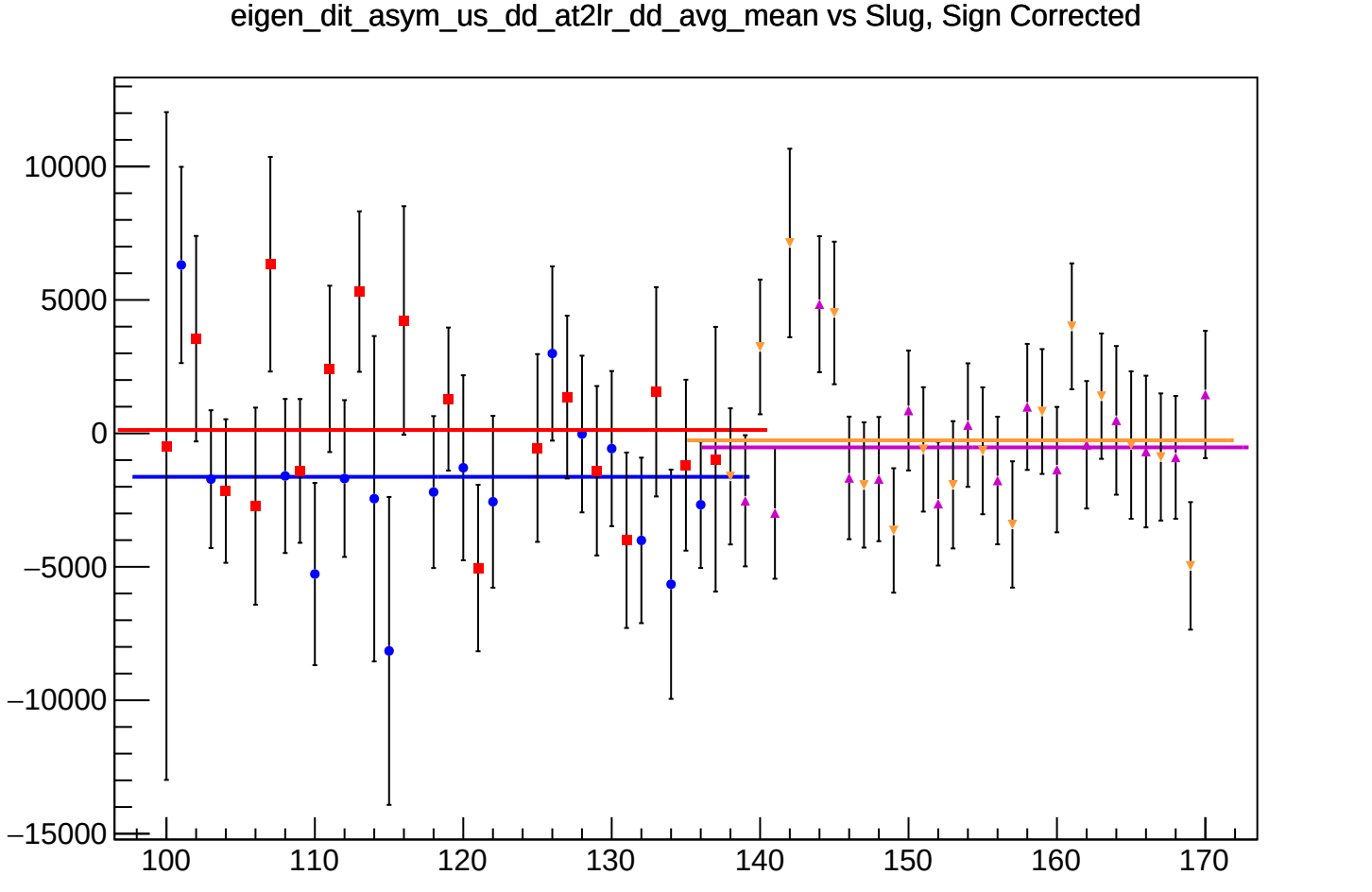
Left: 1418.083+/-0.199 χ^2/NDF: 556356.6/31

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1554.069+/-0.253 χ^2/NDF:2827284.9/31

Out: 1548.758+/-0.255 χ^2/NDF:2799830.8/33

All: 1551.444+/-0.180 χ^2/NDF: 5627334.3/65


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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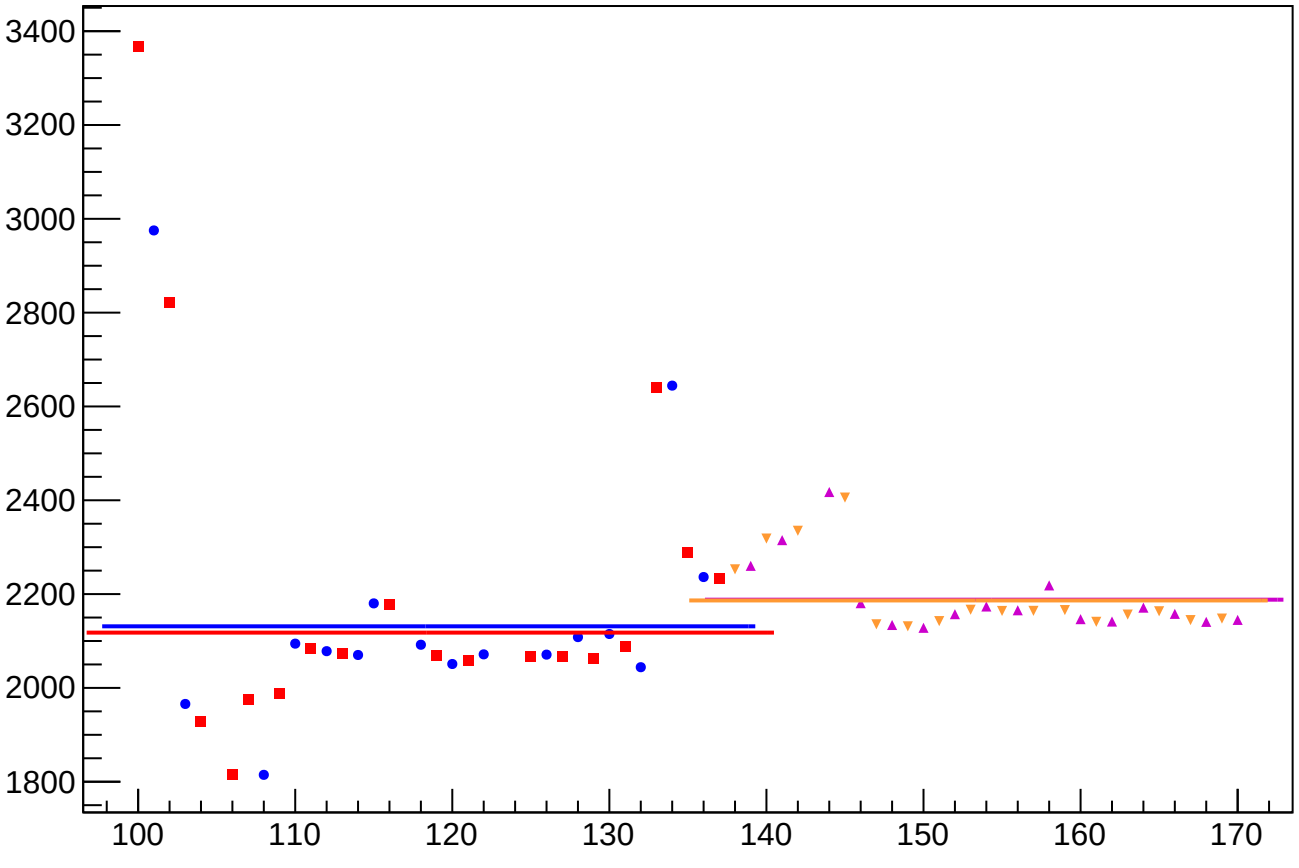
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -260.593+/-615.681 χ²/NDF:22.6/15
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -524.755+/-602.106 χ²/NDF:9.6/15
Left: -395.619+/-430.472 χ²/NDF: 32.3/31
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -924.872+/-480.633 χ²/NDF:22.2/31
Out: -115.078+/-486.981 χ²/NDF:37.3/33
All: -525.288+/-342.081 χ²/NDF: 60.9/65



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2186.462+/-0.435 χ^2/NDF:29615.5/15

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2188.078+/-0.426 χ^2/NDF:29919.9/15

Left: 2187.288+/-0.304 χ^2/NDF: 59542.4/31

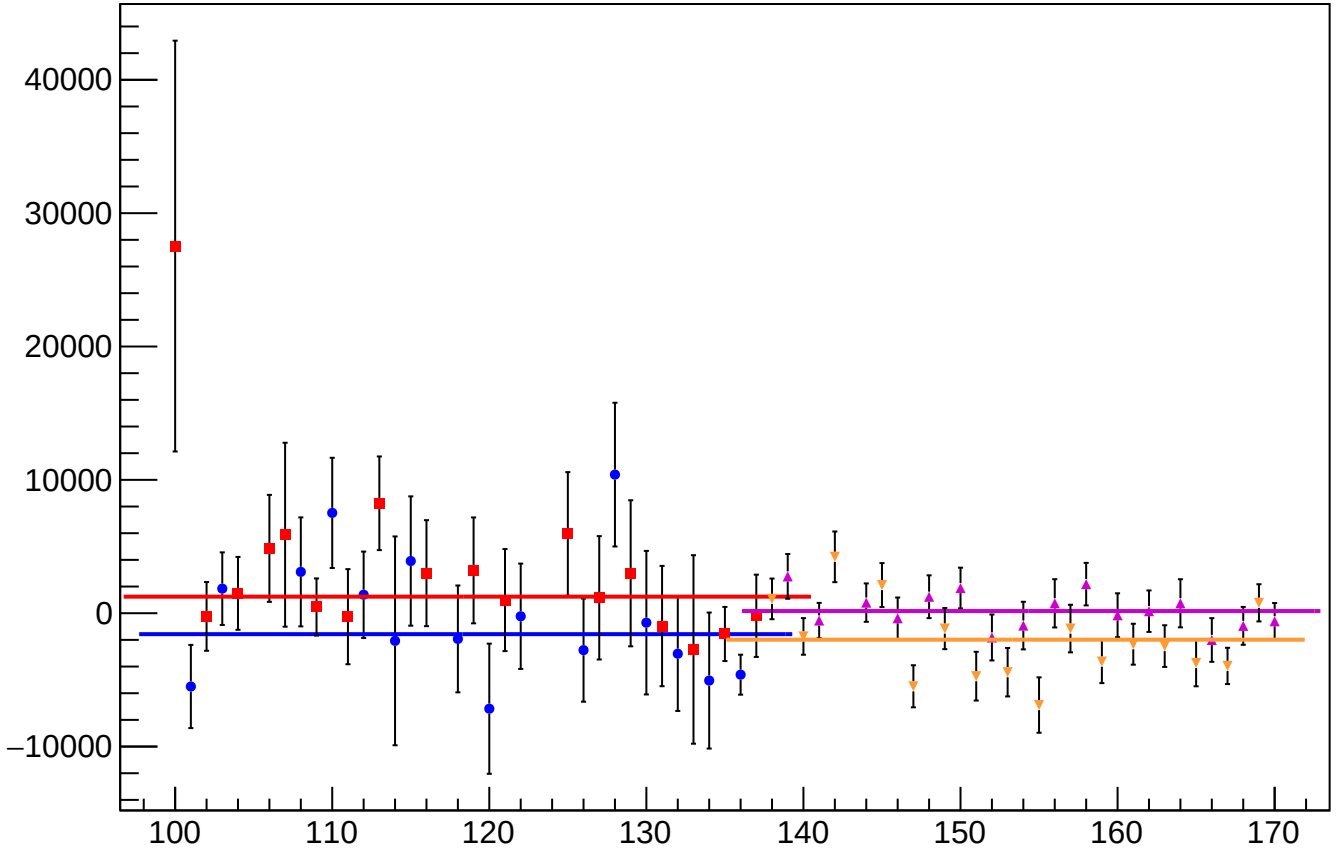
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2167.479+/-0.340 χ^2/NDF:212315.8/31

Out: 2160.781+/-0.344 χ^2/NDF:202532.1/33

All: 2164.174+/-0.242 χ^2/NDF: 415039.5/65

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: -1985.268+/-402.390 χ^2/NDF:44.1/15

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 162.976+/-392.654 χ^2/NDF:10.9/15

Left: -884.842+/-281.027 χ^2/NDF: 69.7/31

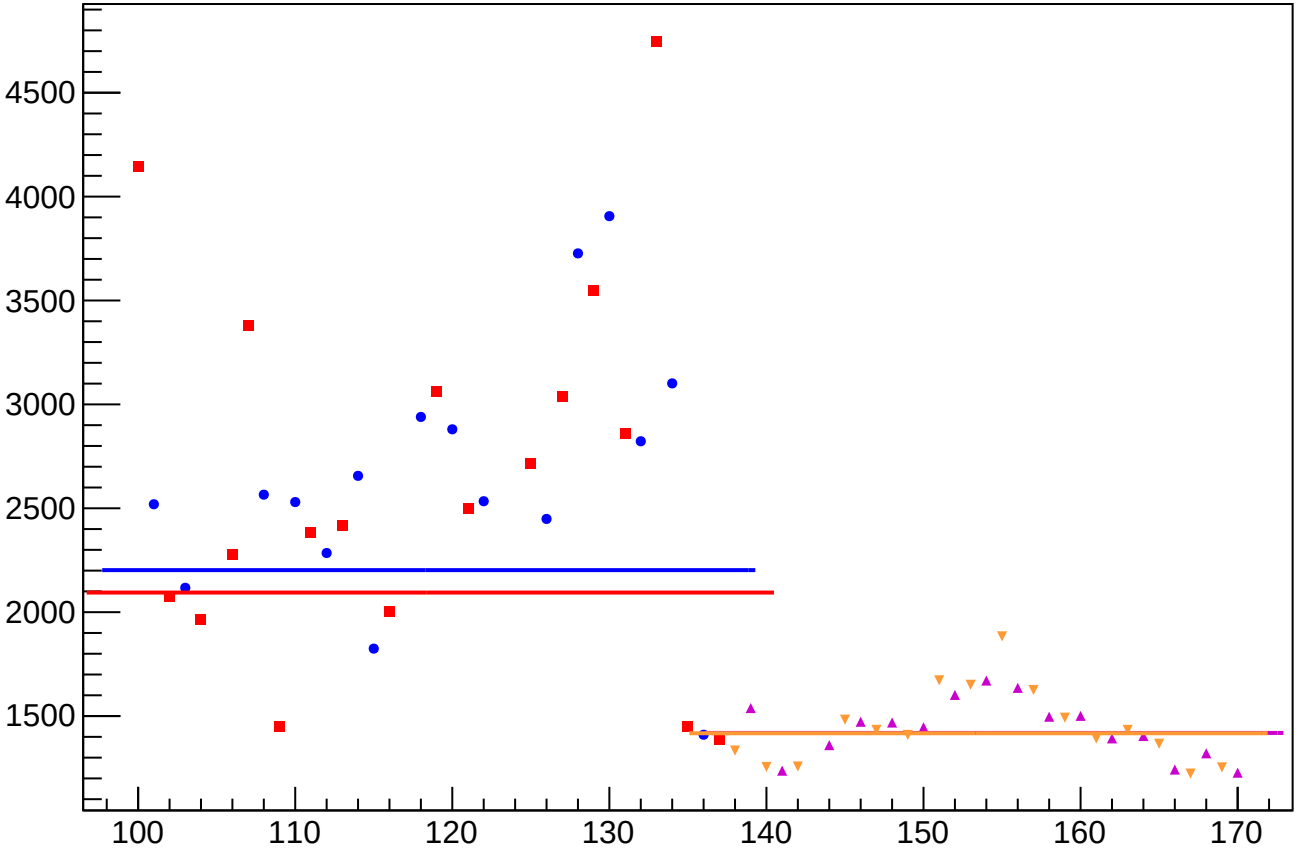
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -136.286+/-357.168 χ^2/NDF:36.9/31

Out: -1358.862+/-361.221 χ^2/NDF:69.7/33

All: -740.677+/-253.977 χ^2/NDF: 112.4/65

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: 1417.283+/-0.285 χ^2/NDF:326440.8/15

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1418.845+/-0.278 χ^2/NDF:229899.9/15

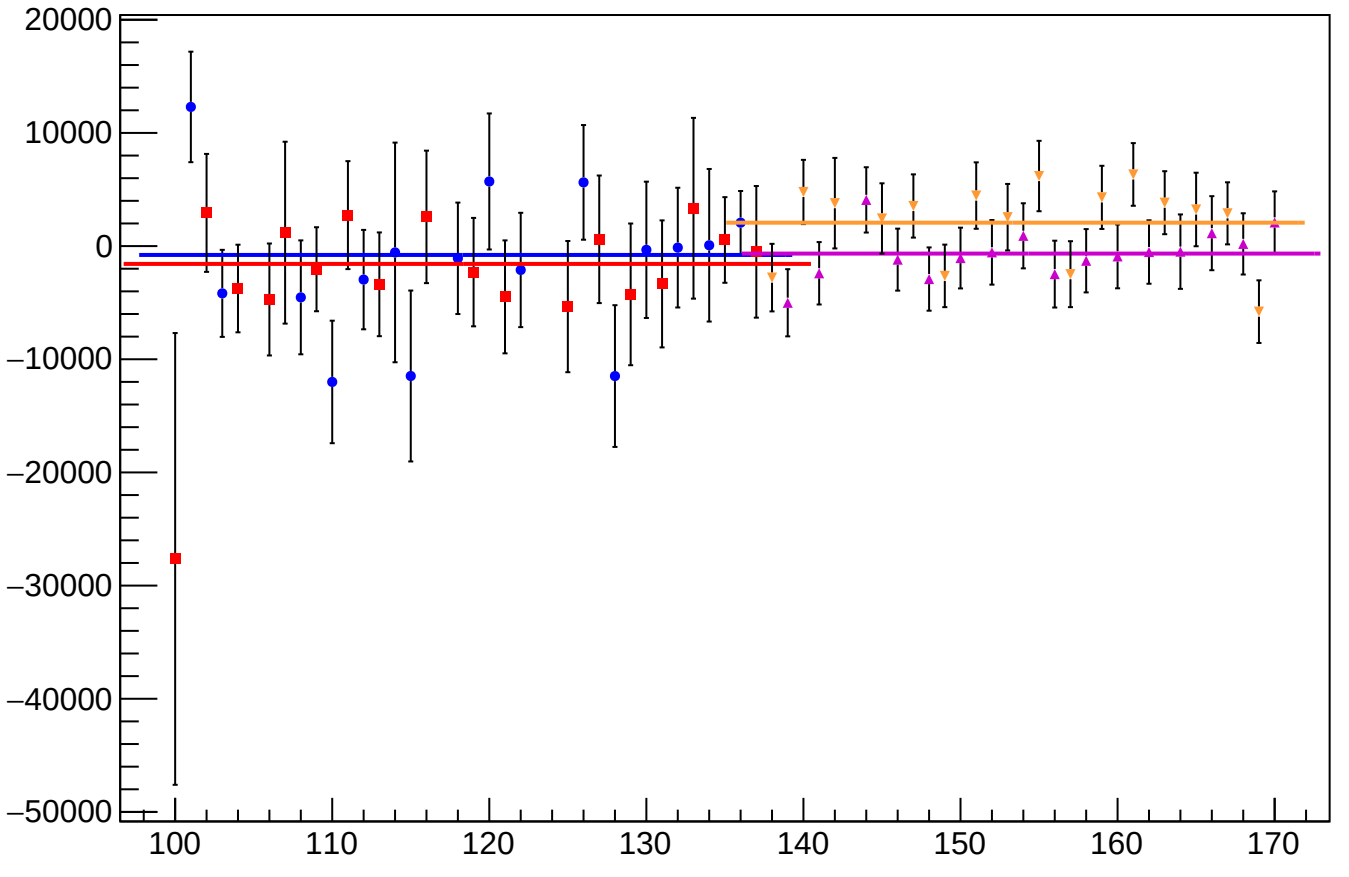
Left: 1418.083+/-0.199 χ^2/NDF: 556356.2/31

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1554.070+/-0.253 χ^2/NDF:2827269.0/31

Out: 1548.761+/-0.255 χ^2/NDF:2799806.2/33

All: 1551.446+/-0.180 χ^2/NDF: 5627293.7/65



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2069.067+/-733.051 χ^2/NDF:23.5/15

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -661.814+/-714.466 χ^2/NDF:8.1/15

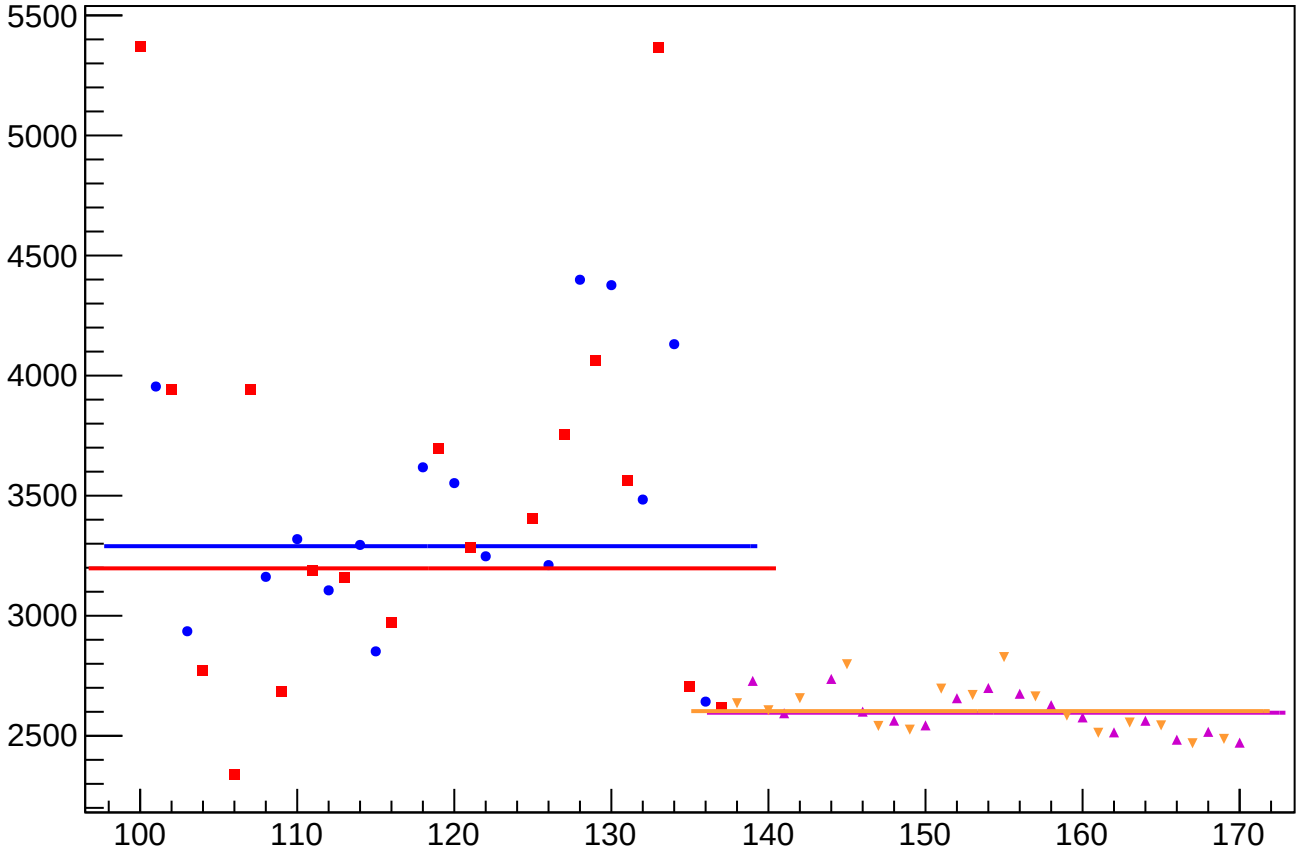
Left: 668.570+/-511.648 χ^2/NDF: 38.7/31

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -691.612+/-619.271 χ^2/NDF:30.0/31

Out: 1101.300+/-628.205 χ^2/NDF:36.8/33

All: 192.004+/-441.016 χ^2/NDF: 71.0/65



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2602.855+/-0.518 χ^2/NDF:37195.4/15

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2596.213+/-0.505 χ^2/NDF:25165.9/15

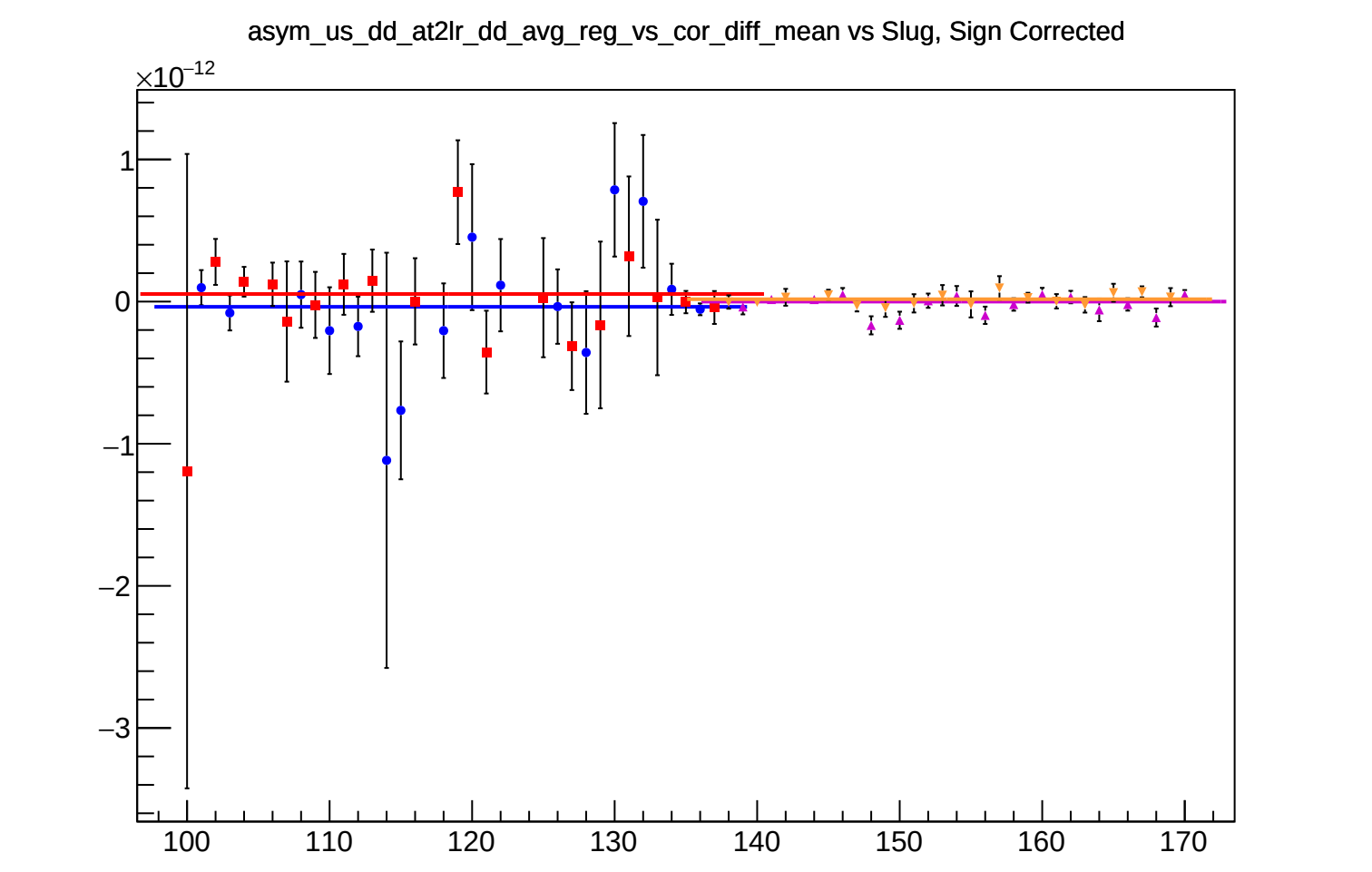
Left: 2599.449+/-0.362 χ^2/NDF: 62445.6/31

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2768.698+/-0.438 χ^2/NDF:841414.1/31

Out: 2760.761+/-0.444 χ^2/NDF:886533.2/33

All: 2764.787+/-0.312 χ^2/NDF: 1728109.2/65



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/15

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:24.4/15

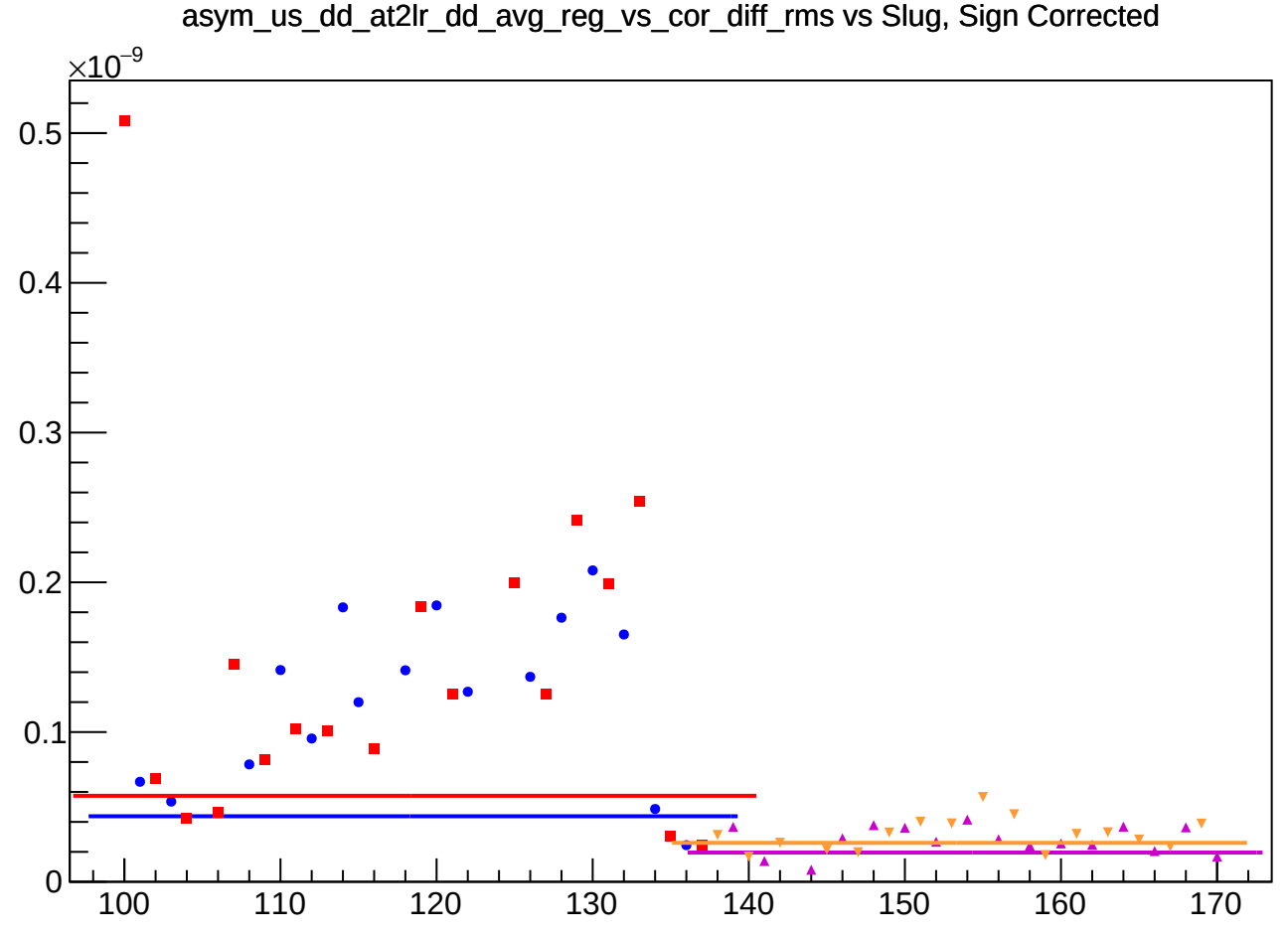
Left: 0.000+/-0.000 χ^2/NDF: 33.4/31

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:38.7/31

Out: 0.000+/-0.000 χ^2/NDF:21.1/33

All: 0.000+/-0.000 χ^2/NDF: 61.9/65



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050691.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2108306.6/15

Left: 0.000+/-0.000 χ^2/NDF: 3492926.7/31

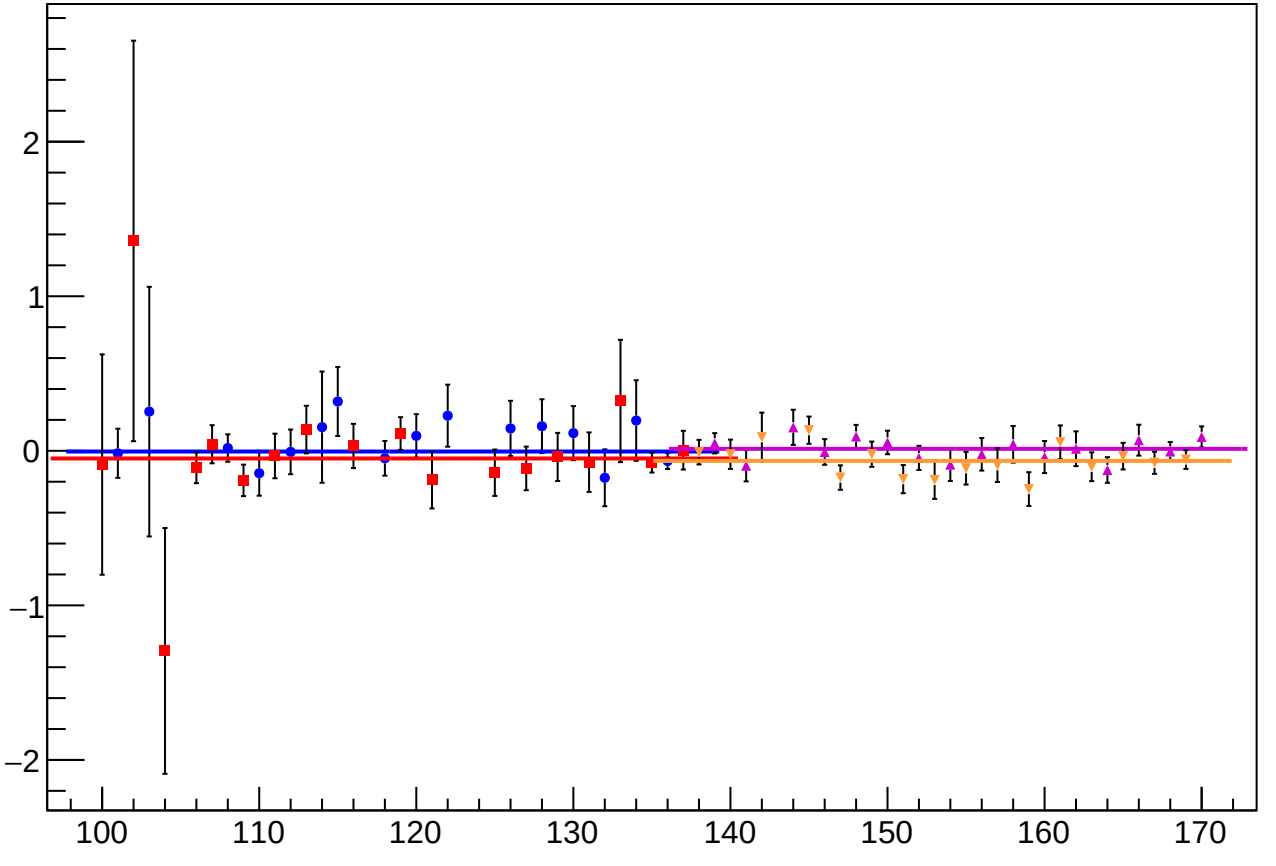
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5252025.9/31

Out: 0.000+/-0.000 χ^2/NDF:4111310.8/33

All: 0.000+/-0.000 χ^2/NDF: 9765724.6/65

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.022 χ^2/NDF:16.2/15

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.024+/-0.015 χ^2/NDF: 33.3/31

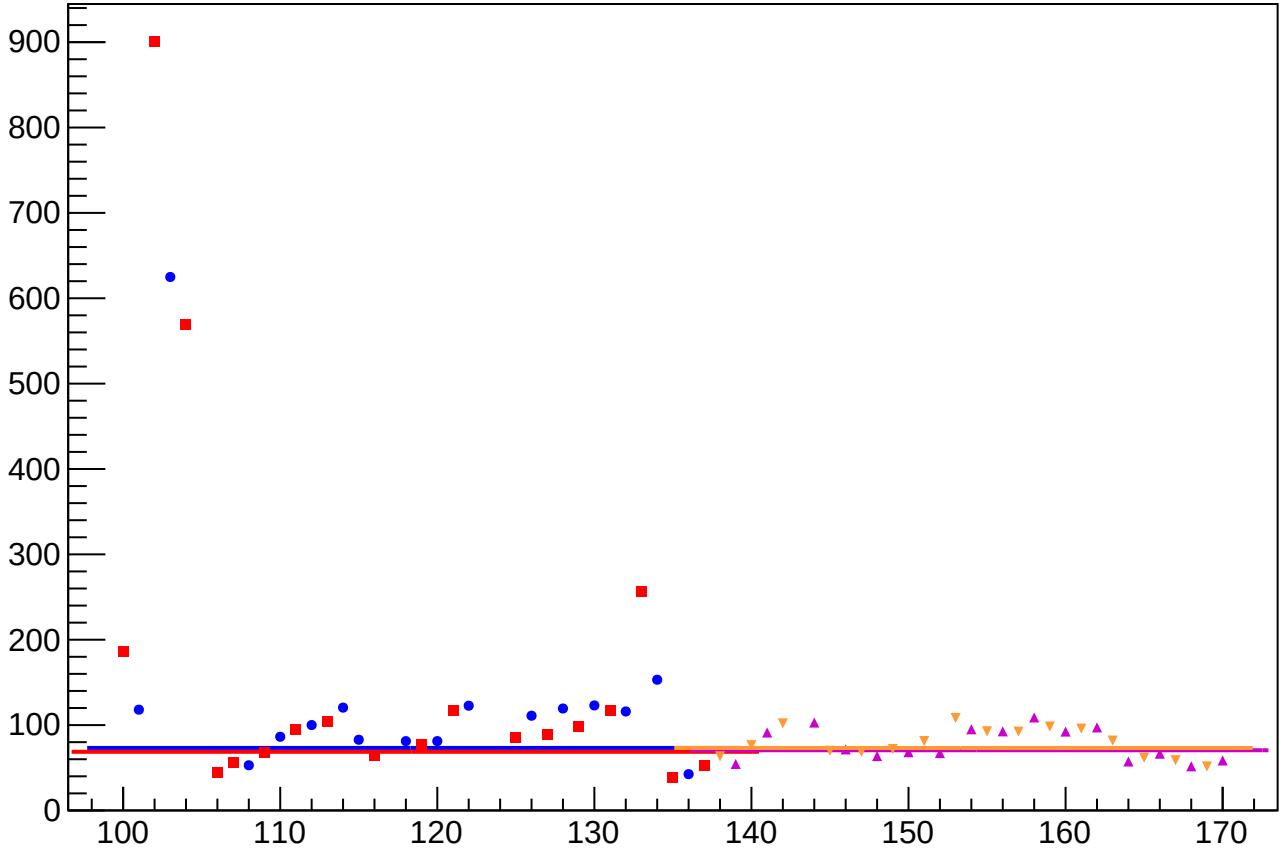
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.060+/-0.018 χ^2/NDF:29.4/33

All: -0.025+/-0.013 χ^2/NDF: 57.7/65

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.190+/-0.016 χ^2/NDF:1002568.3/15

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.517+/-0.015 χ^2/NDF:1303508.7/15

Left: 71.784+/-0.011 χ^2/NDF: 2321100.2/31

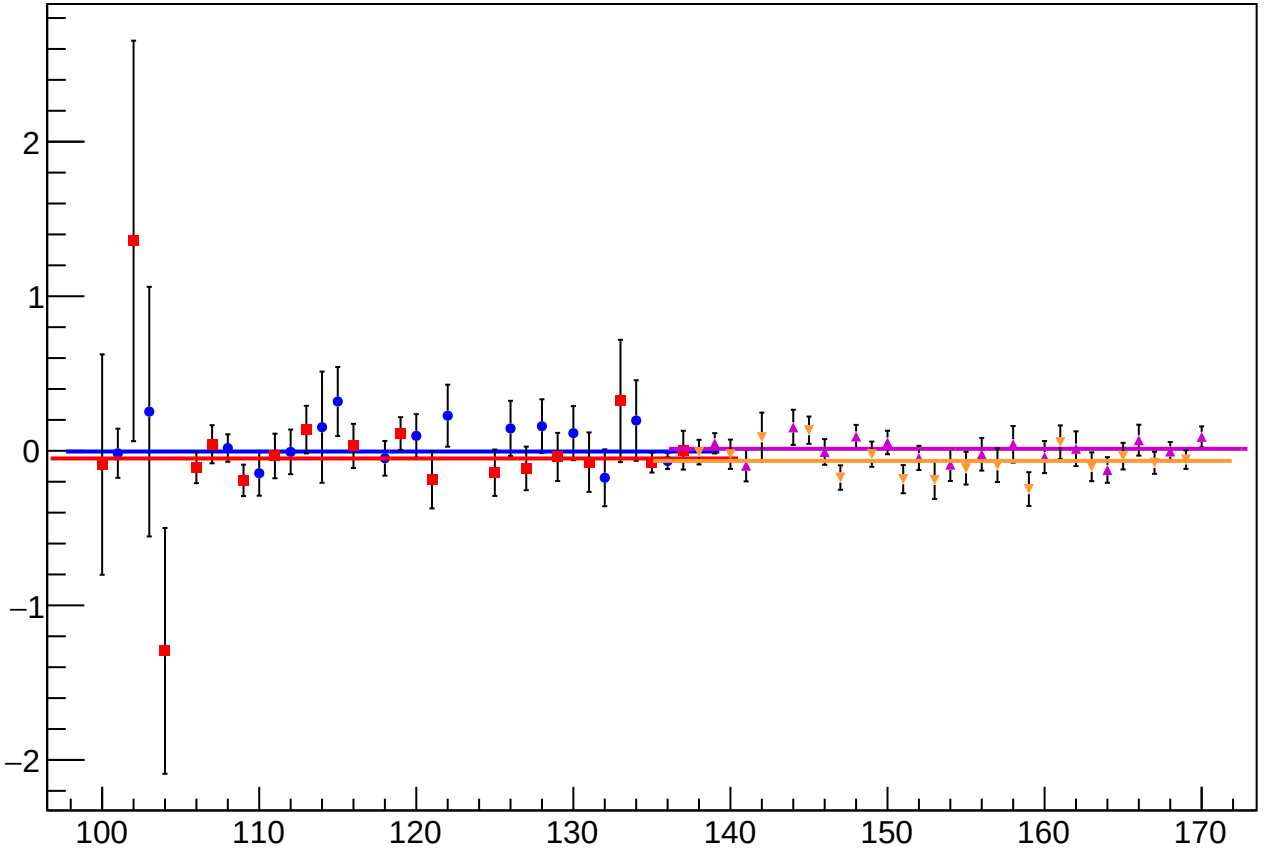
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.340+/-0.013 χ^2/NDF:4168024.8/31

Out: 71.703+/-0.013 χ^2/NDF:4360859.3/33

All: 71.516+/-0.009 χ^2/NDF: 8529291.3/65

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.022 χ^2/NDF:16.2/15

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.024+/-0.015 χ^2/NDF: 33.3/31

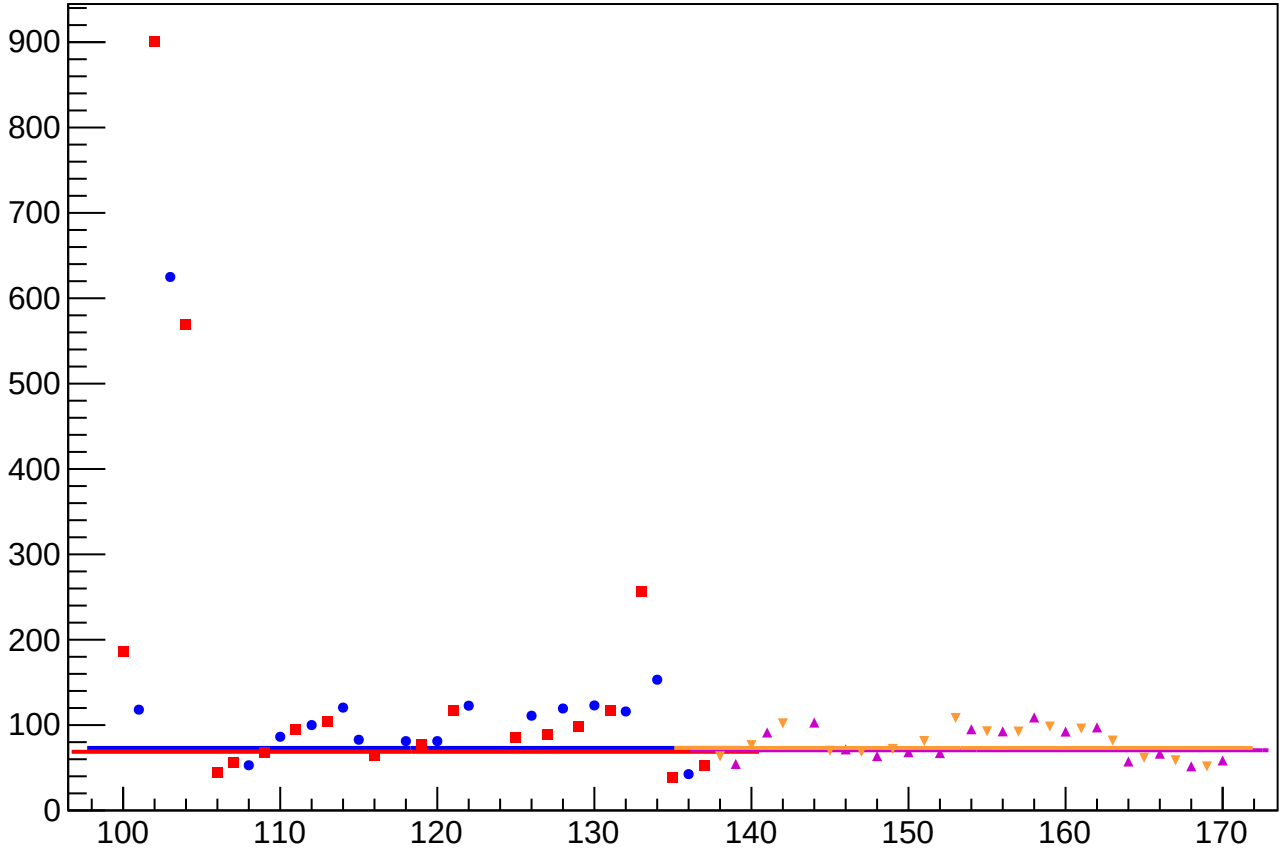
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.060+/-0.018 χ^2/NDF:29.4/33

All: -0.025+/-0.013 χ^2/NDF: 57.7/65

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.190+/-0.016 χ^2/NDF:1002568.3/15

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.517+/-0.015 χ^2/NDF:1303508.7/15

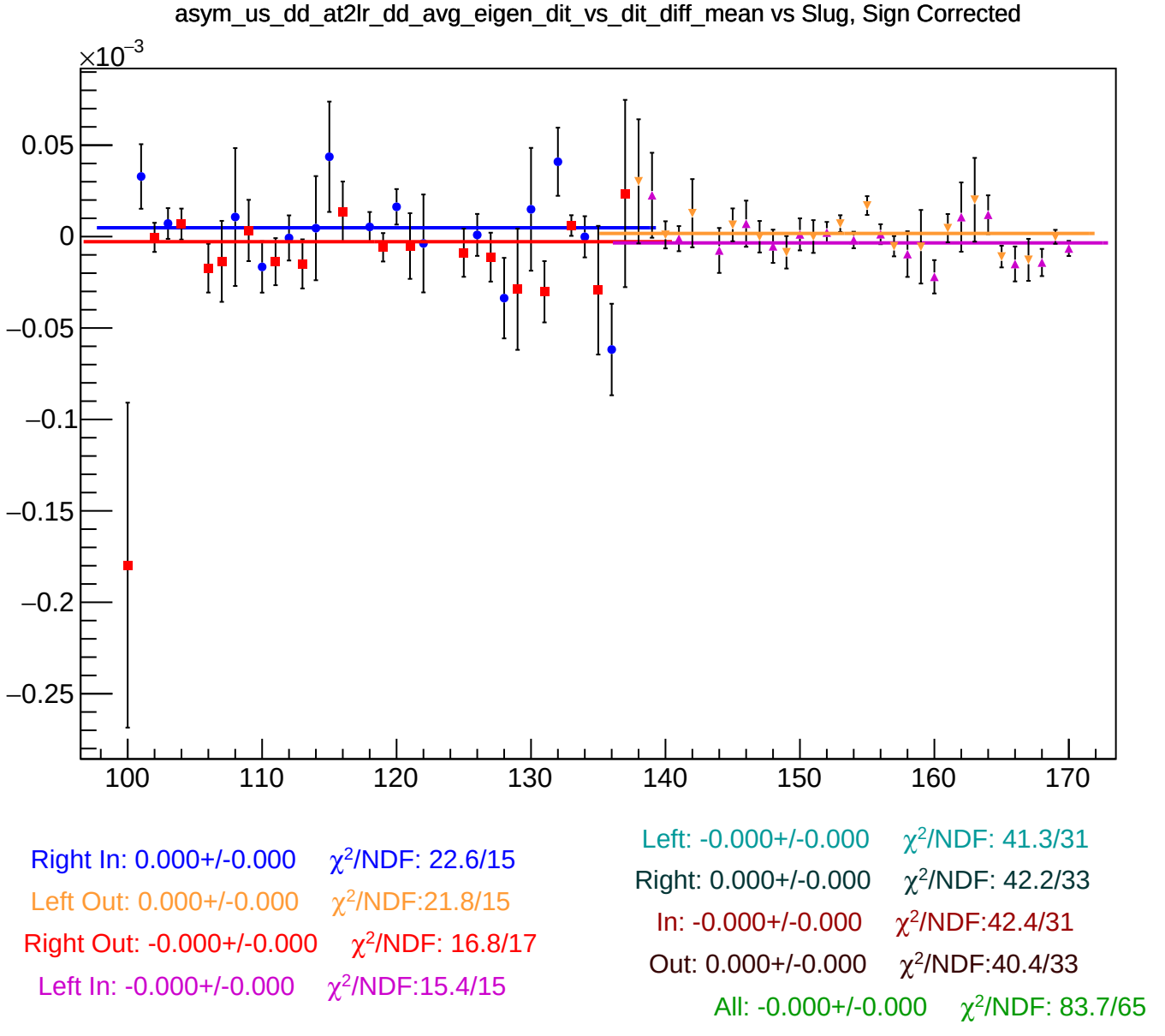
Left: 71.784+/-0.011 χ^2/NDF: 2321100.2/31

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

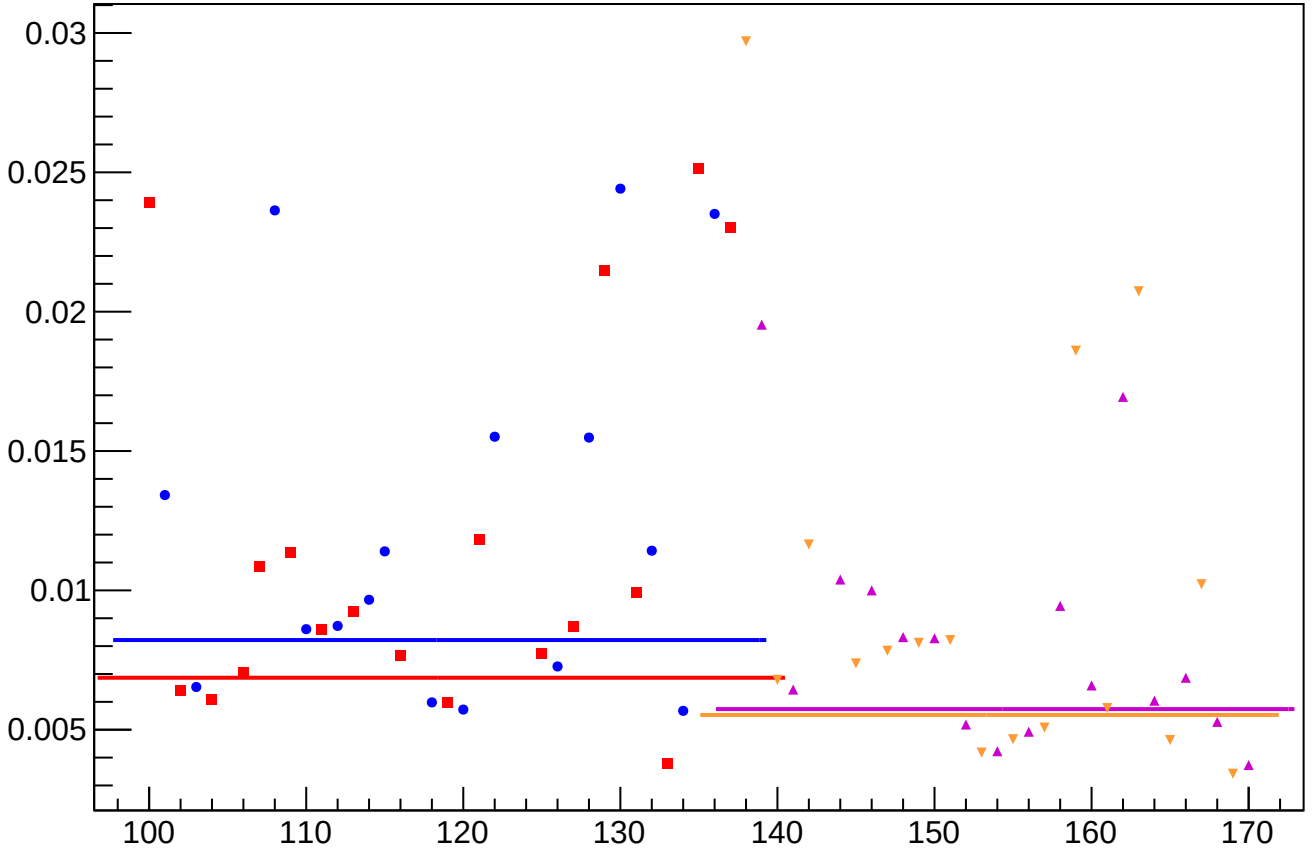
In: 71.340+/-0.013 χ^2/NDF:4168024.8/31

Out: 71.703+/-0.013 χ^2/NDF:4360859.3/33

All: 71.516+/-0.009 χ^2/NDF: 8529291.3/65


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:21.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:15.4/15
Left: -0.000+/-0.000 χ²/NDF: 41.3/31
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:42.4/31
Out: 0.000+/-0.000 χ²/NDF:40.4/33
All: -0.000+/-0.000 χ²/NDF: 83.7/65

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:4828527.3/15

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:3253638.7/15

Left: 0.006+/-0.000 χ^2/NDF: 8095636.3/31

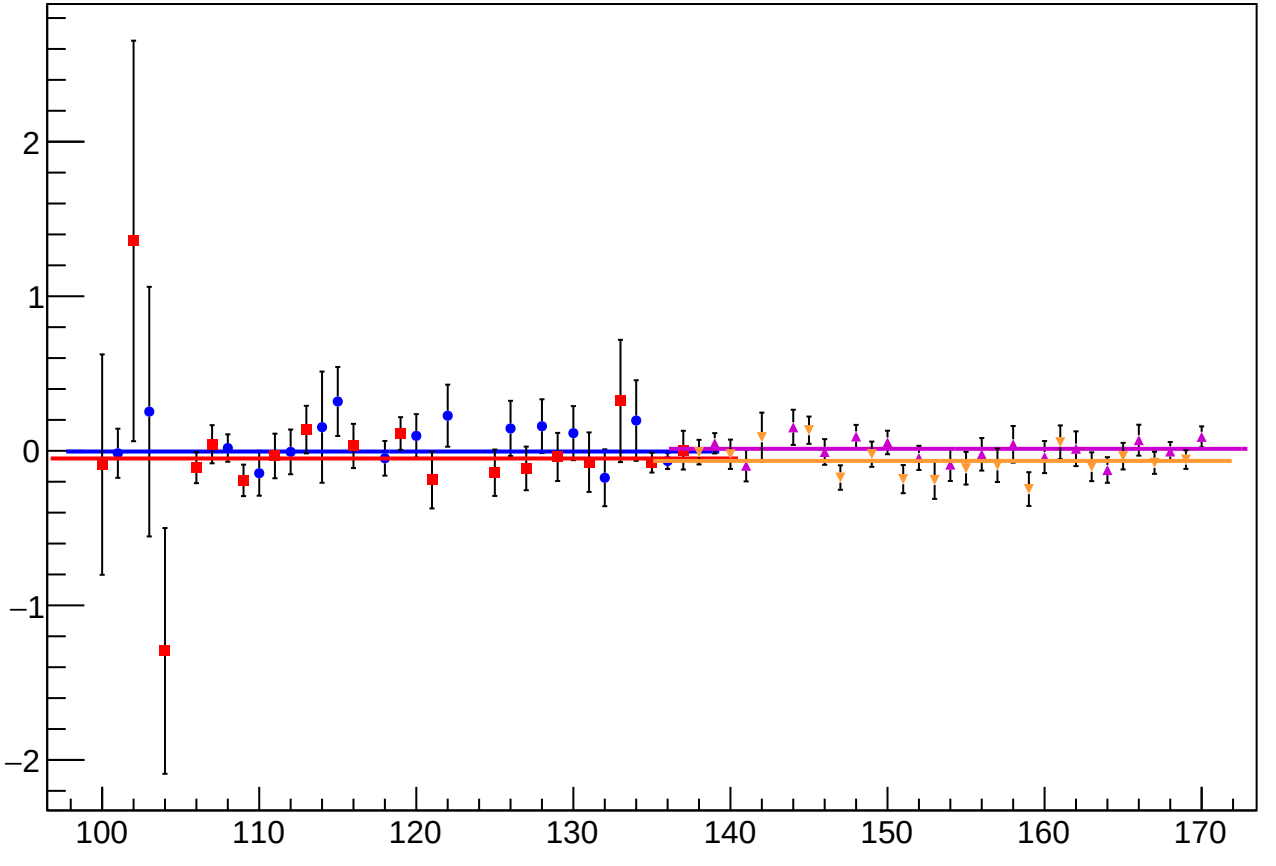
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.006+/-0.000 χ^2/NDF:6694913.0/31

Out: 0.006+/-0.000 χ^2/NDF:7573625.7/33

All: 0.006+/-0.000 χ^2/NDF: 14326567.1/65

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.022 χ^2/NDF:16.2/15

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.024+/-0.015 χ^2/NDF: 33.3/31

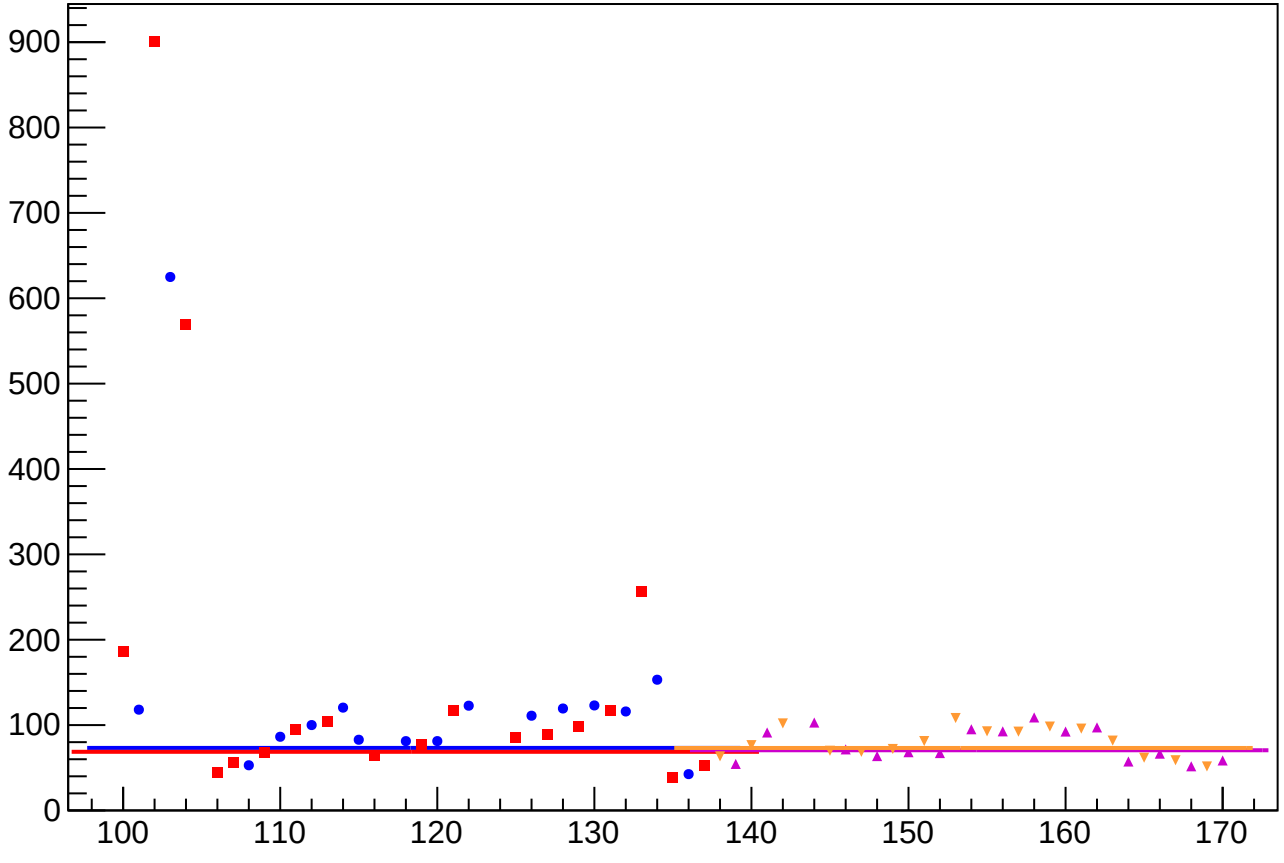
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.060+/-0.018 χ^2/NDF:29.4/33

All: -0.025+/-0.013 χ^2/NDF: 57.7/65

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 73.190+/-0.016 χ^2/NDF:1002478.9/15

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.519+/-0.015 χ^2/NDF:1303273.1/15

Left: 71.784+/-0.011 χ^2/NDF: 2320758.8/31

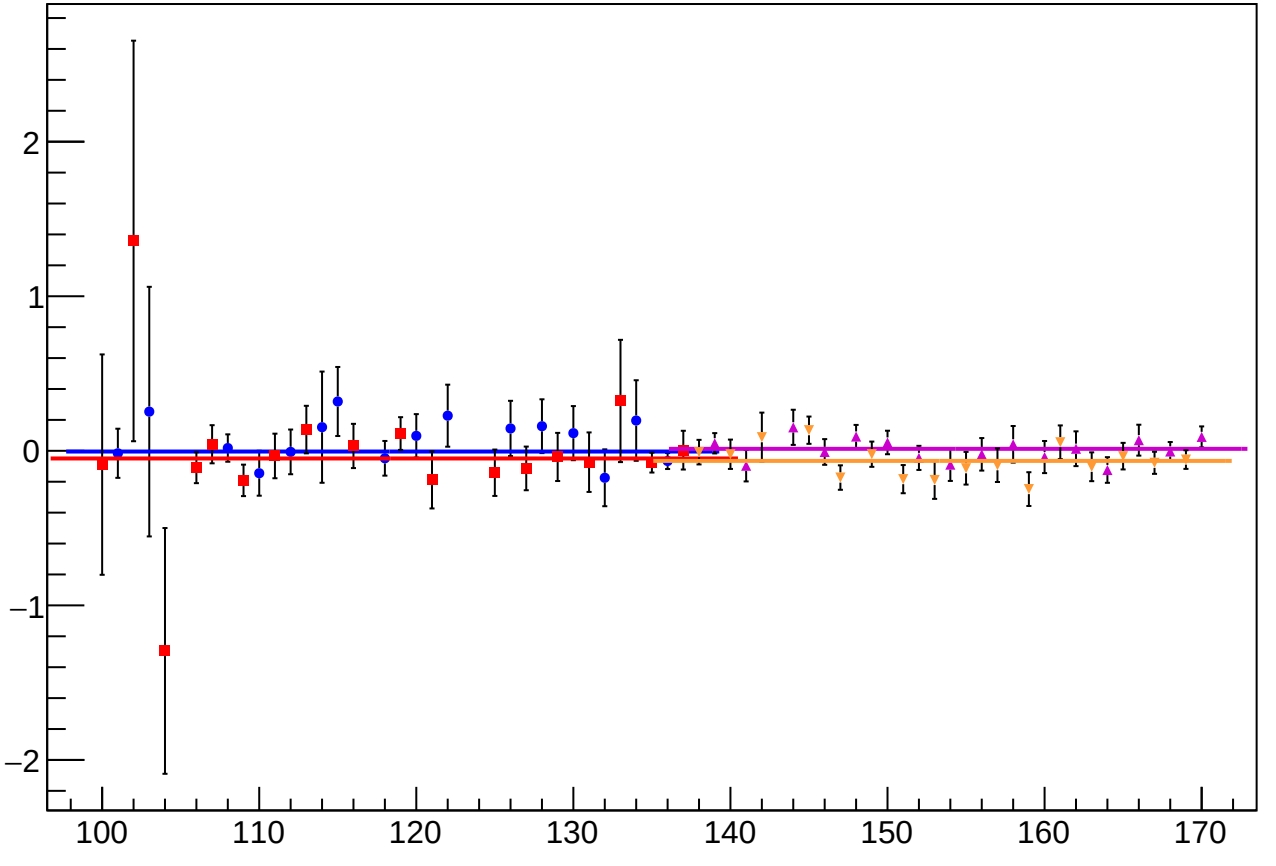
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.348+/-0.013 χ^2/NDF:4165667.2/31

Out: 71.699+/-0.013 χ^2/NDF:4361903.4/33

All: 71.518+/-0.009 χ^2/NDF: 8527950.8/65

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.022 χ^2/NDF:16.2/15

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.024+/-0.015 χ^2/NDF: 33.3/31

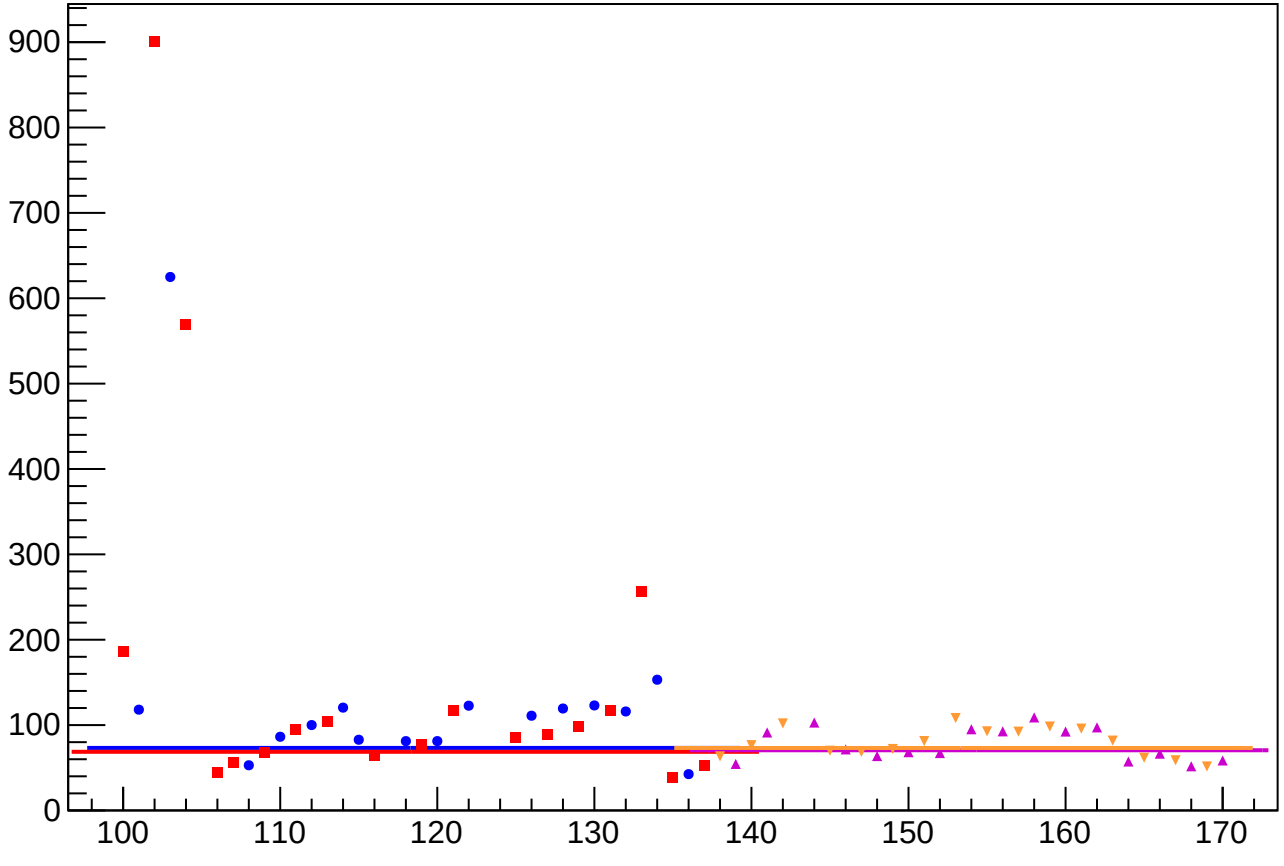
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.060+/-0.018 χ^2/NDF:29.4/33

All: -0.025+/-0.013 χ^2/NDF: 57.7/65

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 73.190+/-0.016 χ^2/NDF:1002478.9/15

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.519+/-0.015 χ^2/NDF:1303273.1/15

Left: 71.784+/-0.011 χ^2/NDF: 2320758.8/31

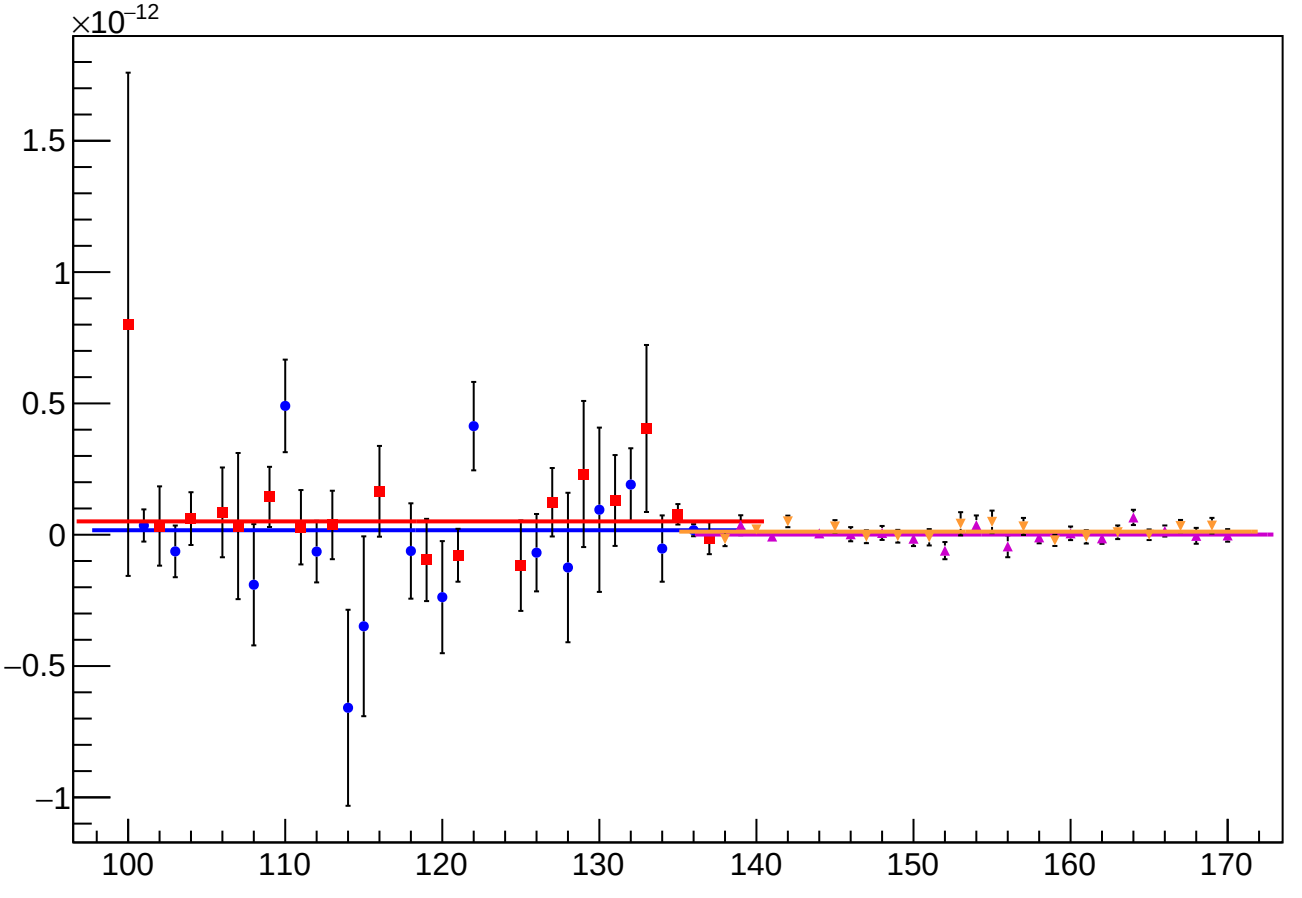
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.348+/-0.013 χ^2/NDF:4165667.2/31

Out: 71.699+/-0.013 χ^2/NDF:4361903.4/33

All: 71.518+/-0.009 χ^2/NDF: 8527950.8/65

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/15

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/15

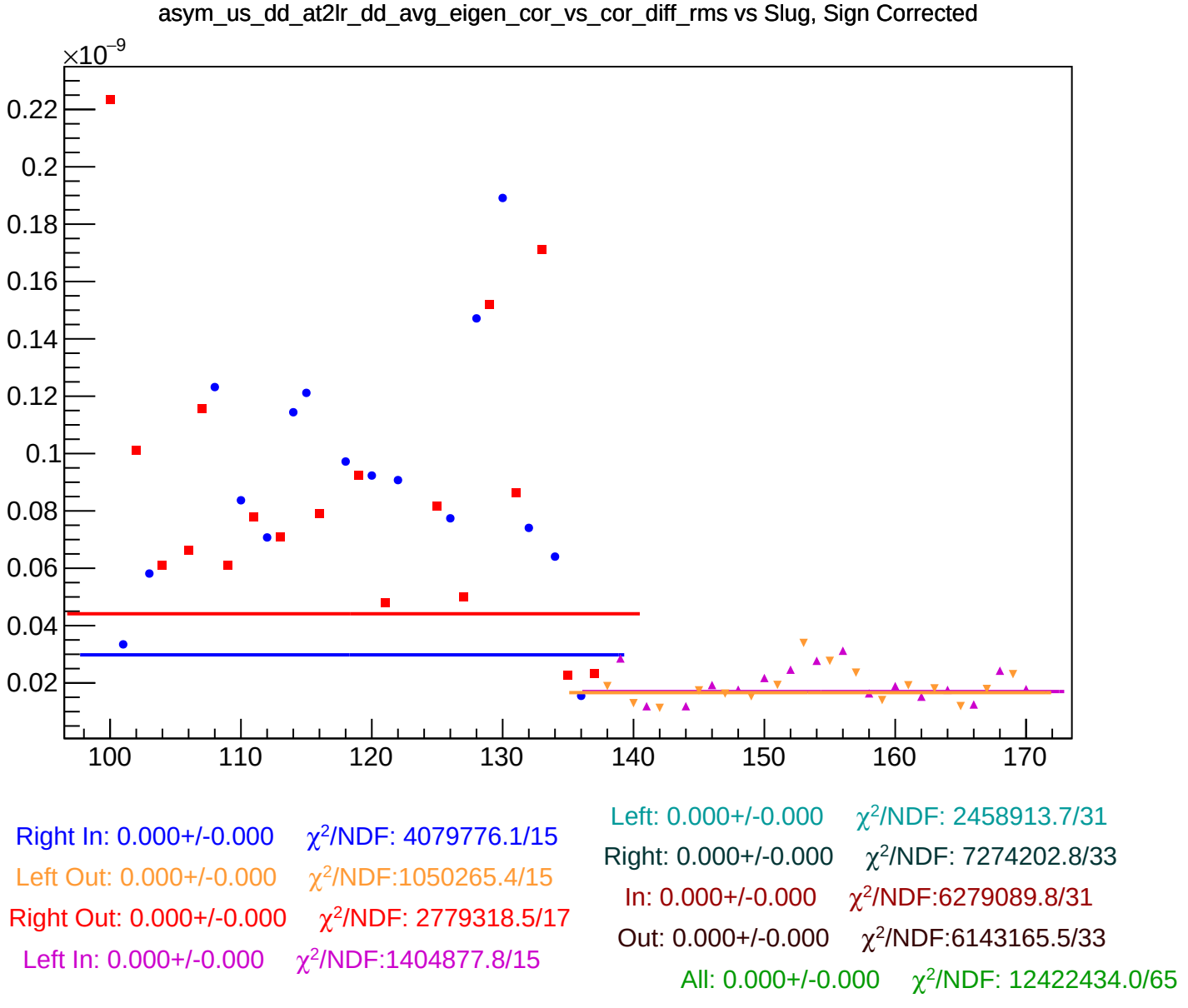
Left: 0.000+/-0.000 χ^2/NDF: 28.1/31

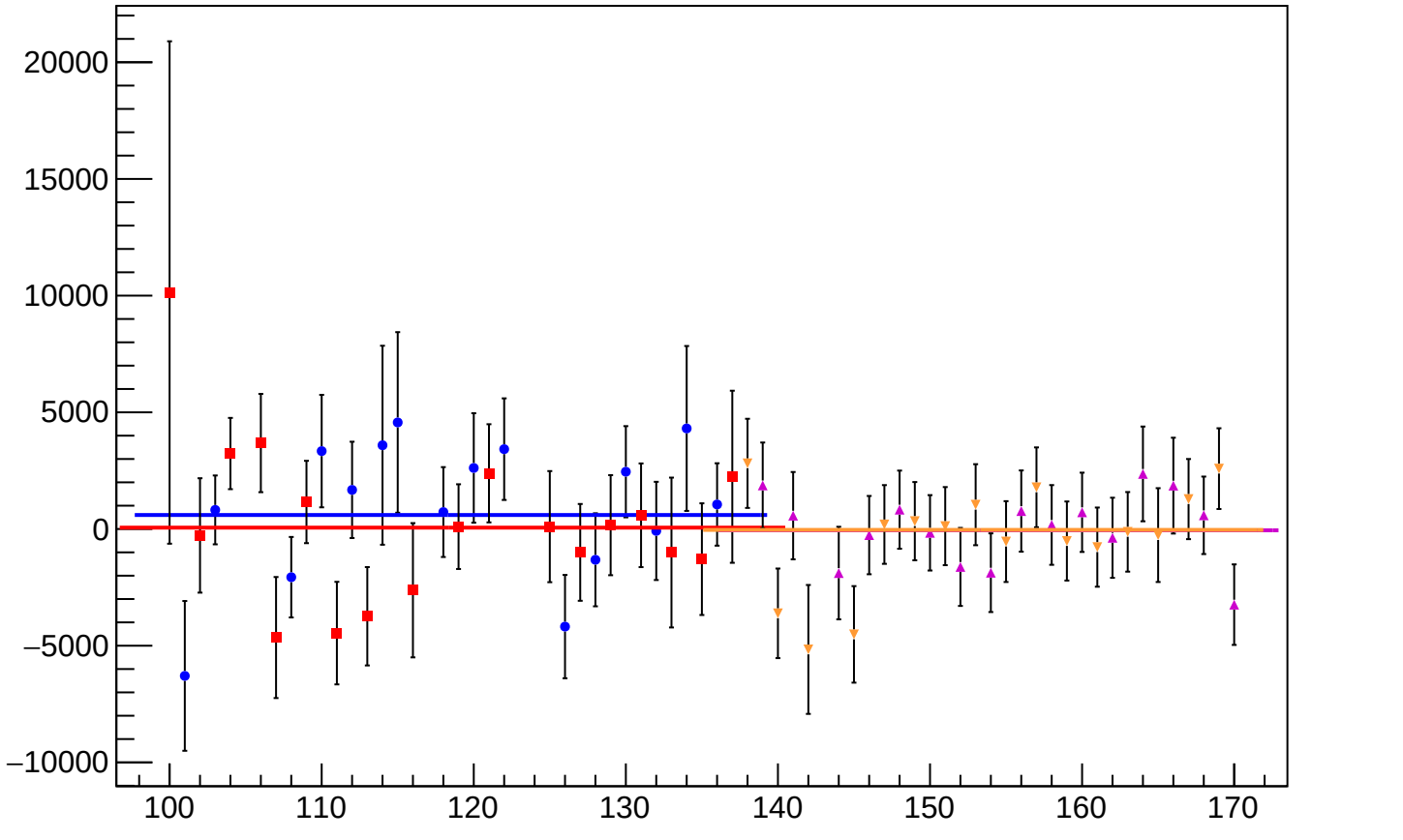
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

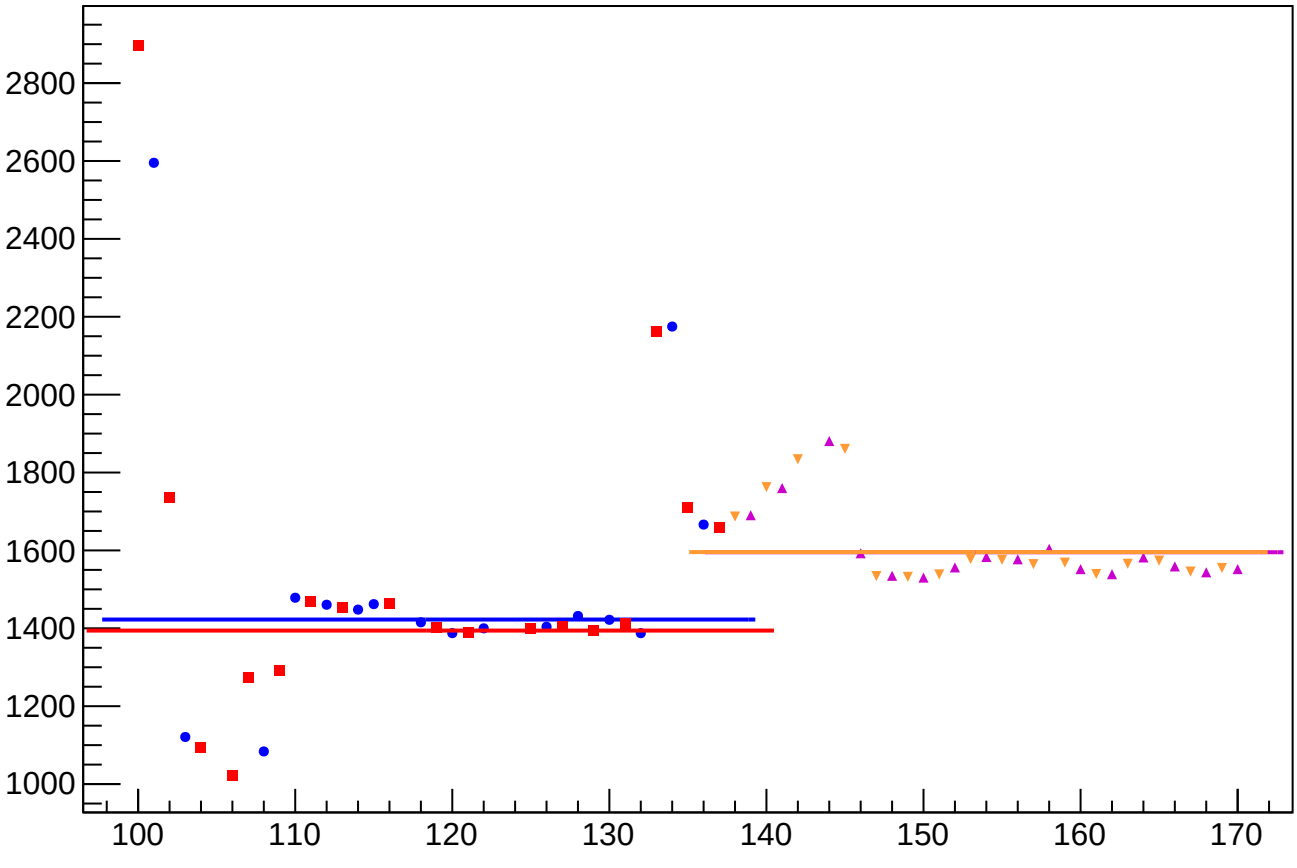
In: 0.000+/-0.000 χ^2/NDF:37.4/31

Out: 0.000+/-0.000 χ^2/NDF:24.5/33

All: 0.000+/-0.000 χ^2/NDF: 63.9/65


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:1050265.4/15
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1404877.8/15
Left: 0.000+/-0.000 χ²/NDF: 2458913.7/31
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6279089.8/31
Out: 0.000+/-0.000 χ²/NDF:6143165.5/33
All: 0.000+/-0.000 χ²/NDF: 12422434.0/65


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: -38.110+/-449.793 χ²/NDF:18.7/15
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: -56.063+/-439.415 χ²/NDF:10.7/15
Left: -47.296+/-314.318 χ²/NDF: 29.4/31
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 205.322+/-340.844 χ²/NDF:31.9/31
Out: 2.568+/-342.996 χ²/NDF:41.3/33
All: 104.583+/-241.770 χ²/NDF: 73.4/65



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1595.763+/-0.318 χ^2/NDF:82813.1/15

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

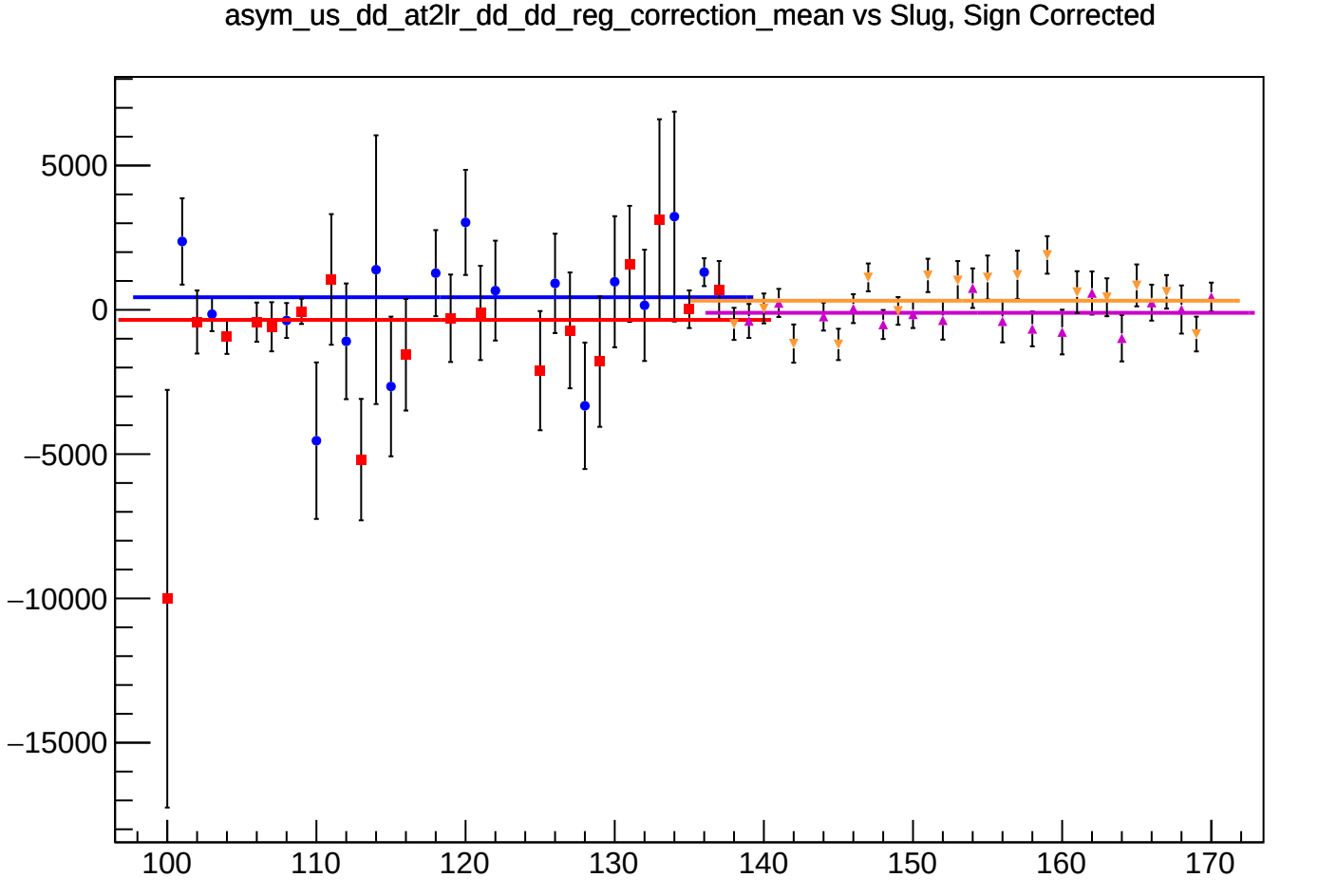
Left: 1595.542+/-0.222 χ^2/NDF: 159872.9/31

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1526.494+/-0.241 χ^2/NDF:760539.3/31

Out: 1511.398+/-0.243 χ^2/NDF:644609.5/33

All: 1518.993+/-0.171 χ^2/NDF: 1407098.0/65



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 316.156+/-151.036 χ^2/NDF:34.8/15

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -103.218+/-147.885 χ^2/NDF:8.6/15

Left: 102.048+/-105.667 χ^2/NDF: 47.3/31

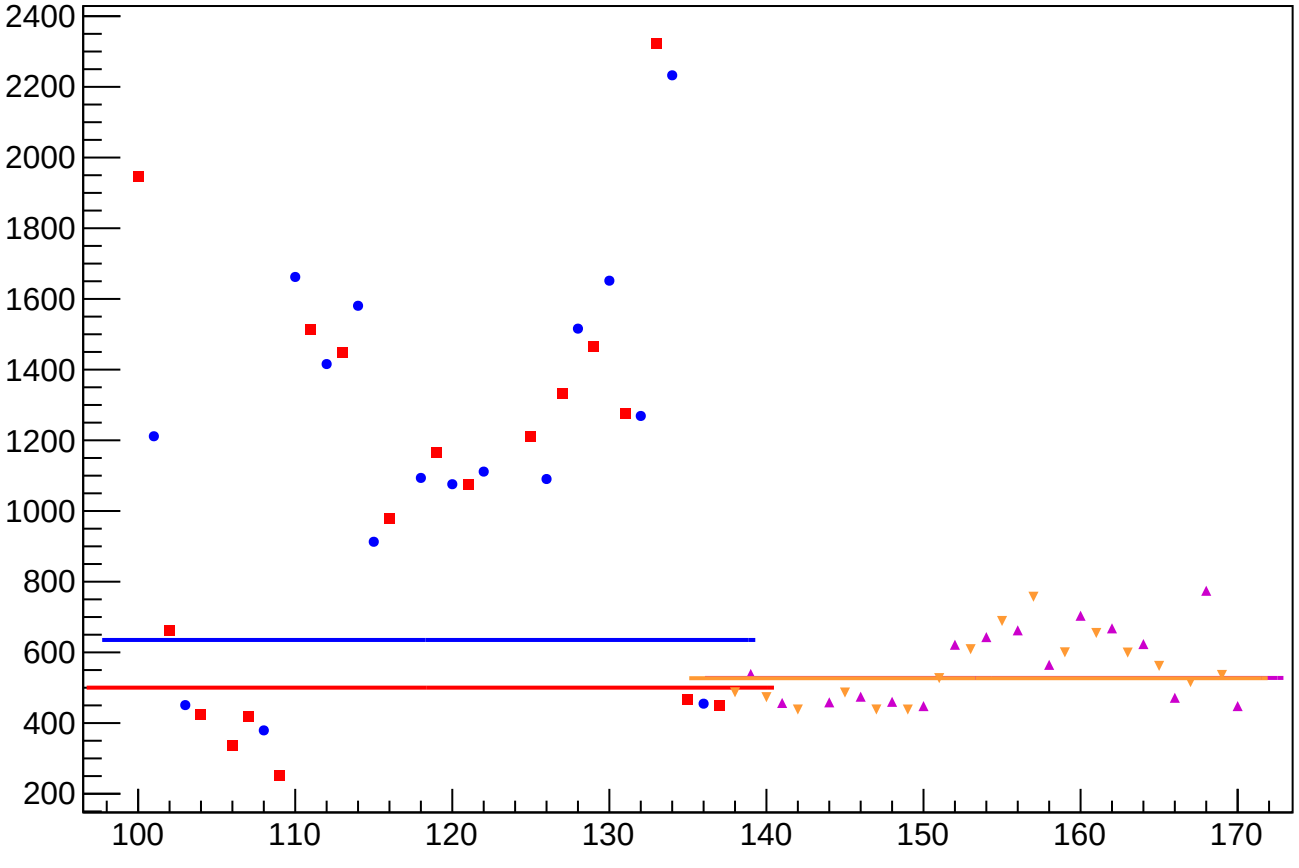
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 17.229+/-130.343 χ^2/NDF:30.9/31

Out: 120.366+/-126.858 χ^2/NDF:54.4/33

All: 70.195+/-90.909 χ^2/NDF: 85.6/65

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 526.938+/-0.107 χ^2/NDF:603871.1/15

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 527.709+/-0.105 χ^2/NDF:813620.3/15

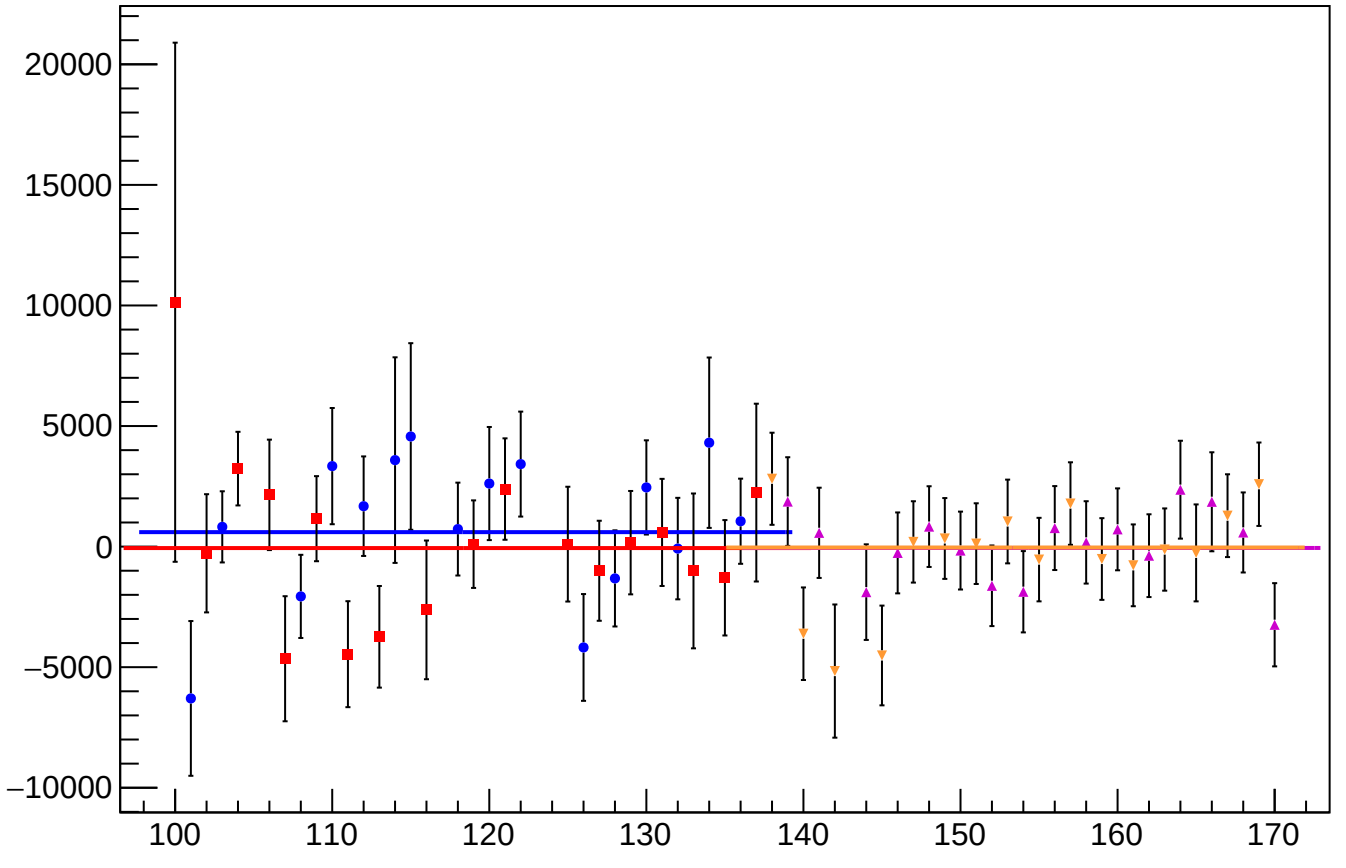
Left: 527.331+/-0.075 χ^2/NDF: 1417518.0/31

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 551.682+/-0.092 χ^2/NDF:4801721.1/31

Out: 519.072+/-0.090 χ^2/NDF:4931382.3/33

All: 534.935+/-0.064 χ^2/NDF: 9797395.6/65



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -38.217+/-449.793 χ^2/NDF:18.7/15

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -56.096+/-439.415 χ^2/NDF:10.7/15

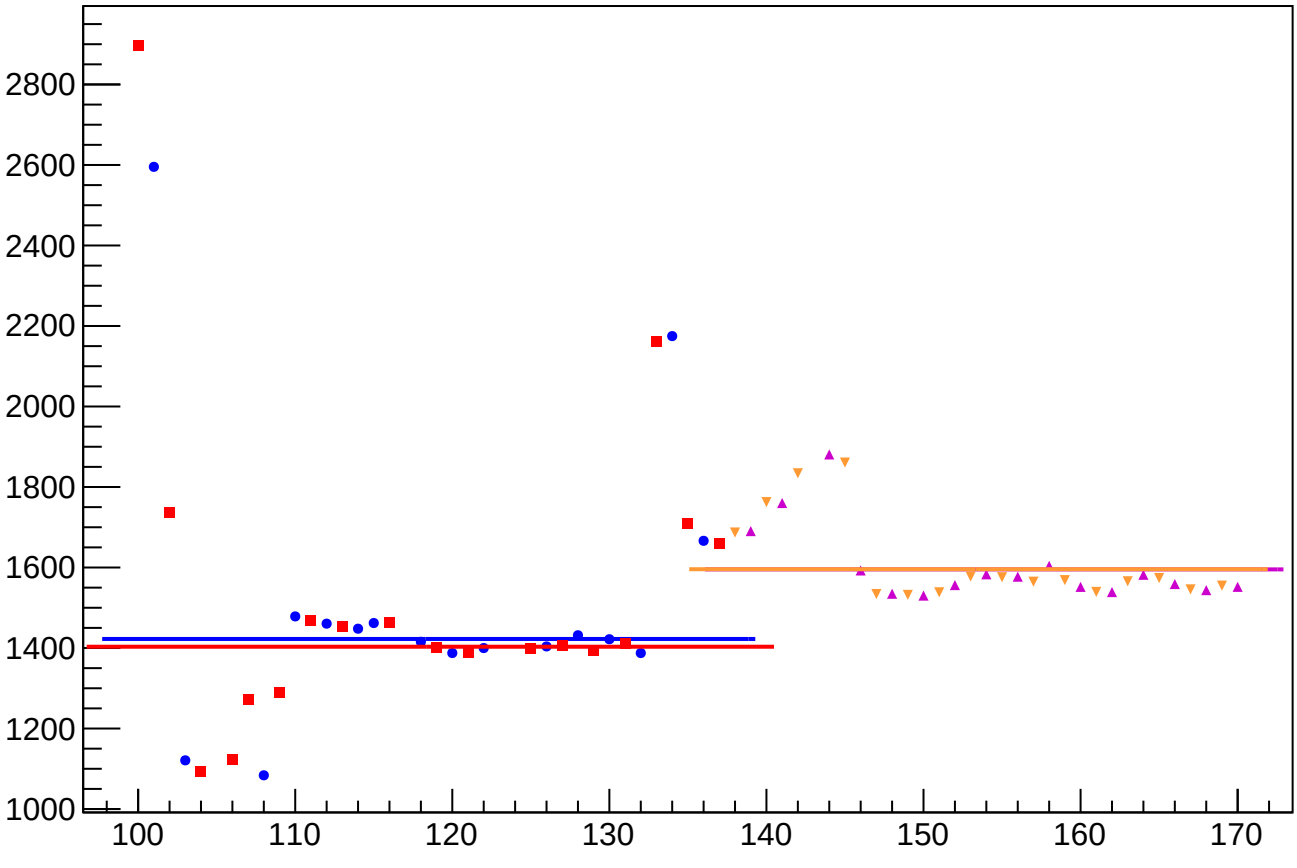
Left: -47.365+/-314.318 χ^2/NDF: 29.4/31

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 205.252+/-340.844 χ^2/NDF:31.9/31

Out: -47.431+/-343.703 χ^2/NDF:39.1/33

All: 79.966+/-242.017 χ^2/NDF: 71.3/65



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1595.764+/-0.318 χ^2/NDF:82813.1/15

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

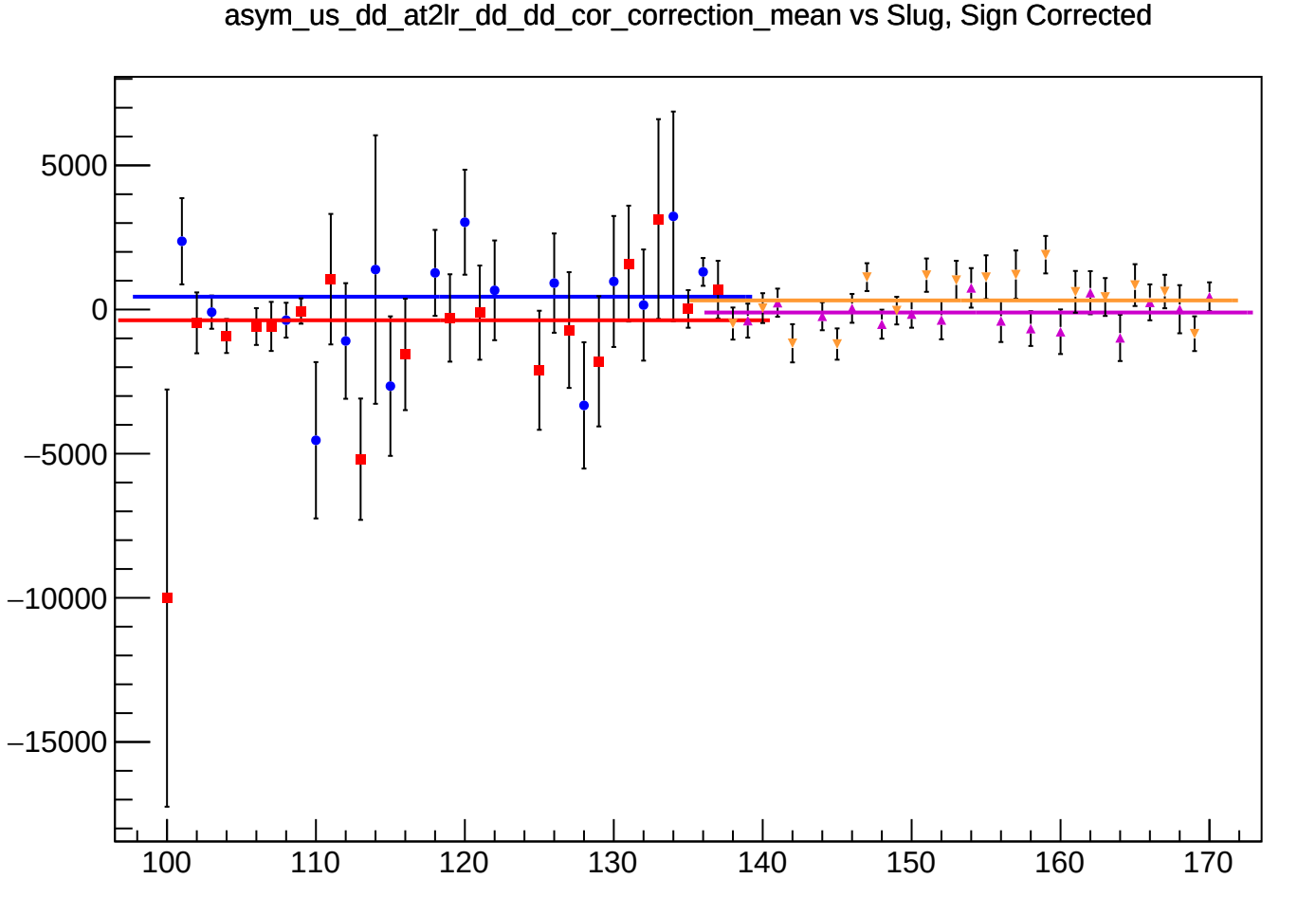
Left: 1595.542+/-0.222 χ^2/NDF: 159872.9/31

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

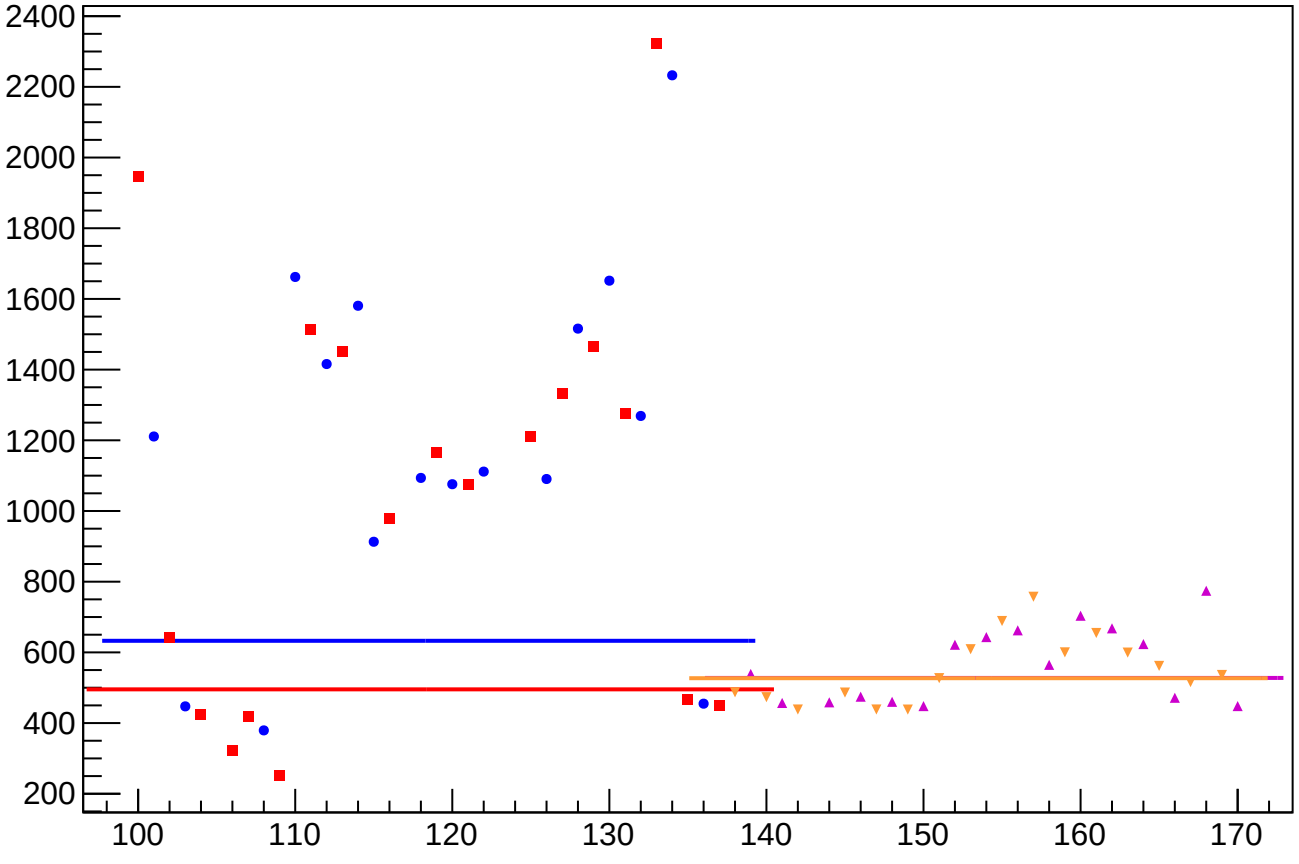
In: 1526.493+/-0.241 χ^2/NDF:760539.6/31

Out: 1515.646+/-0.243 χ^2/NDF:594423.2/33

All: 1521.115+/-0.171 χ^2/NDF: 1355967.2/65


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 316.204+/-151.039 χ²/NDF:34.8/15
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -103.281+/-147.883 χ²/NDF:8.6/15
Left: 102.033+/-105.667 χ²/NDF: 47.3/31
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 19.916+/-130.217 χ²/NDF:30.9/31
Out: 110.378+/-126.473 χ²/NDF:55.0/33
All: 66.467+/-90.725 χ²/NDF: 86.1/65

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.948+/-0.107 χ^2/NDF:603758.3/15

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 527.704+/-0.105 χ^2/NDF:813665.9/15

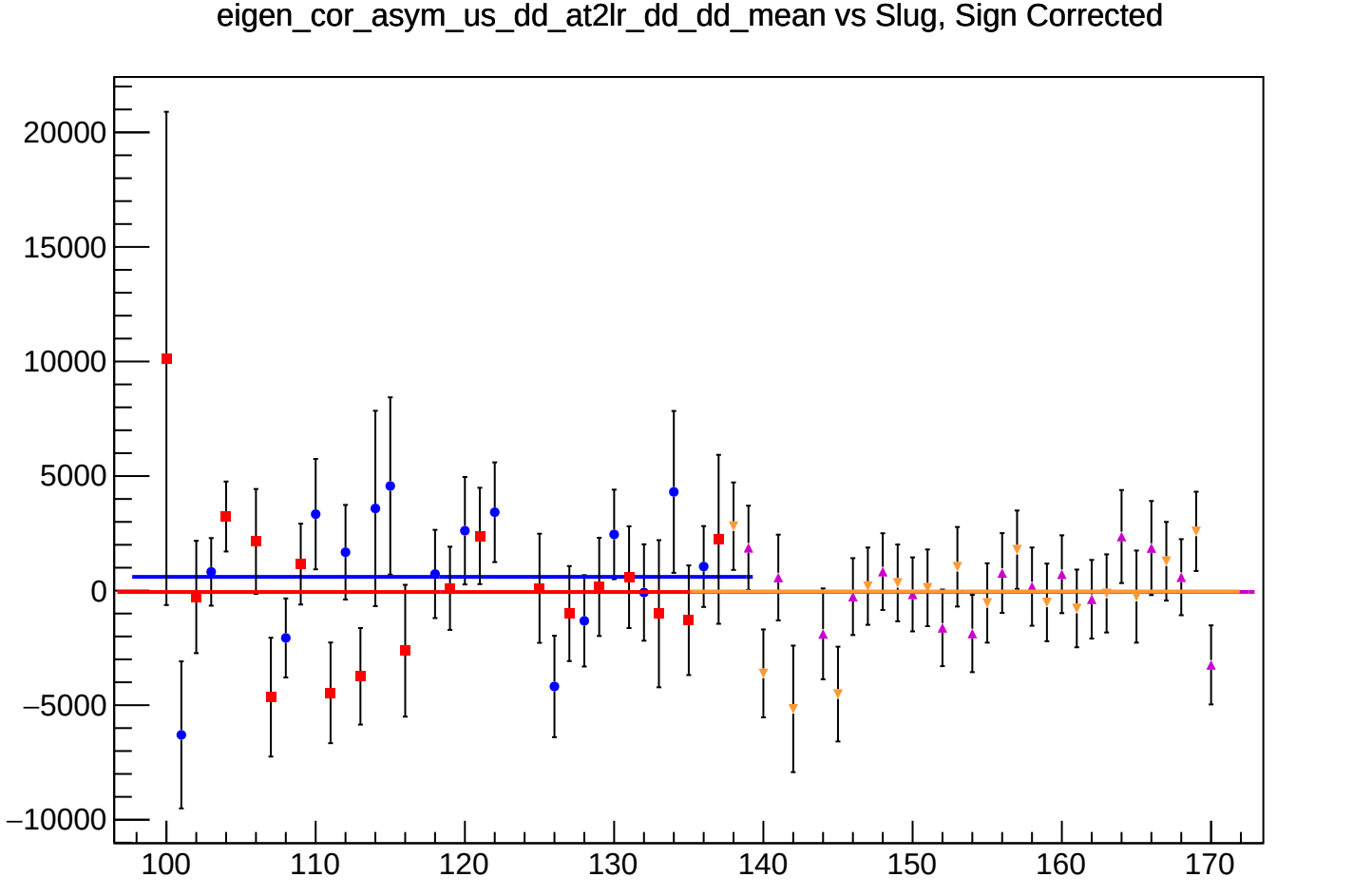
Left: 527.334+/-0.075 χ^2/NDF: 1417449.8/31

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 551.303+/-0.092 χ^2/NDF:4808110.9/31

Out: 517.514+/-0.089 χ^2/NDF:4967352.6/33

All: 533.916+/-0.064 χ^2/NDF: 9844756.5/65


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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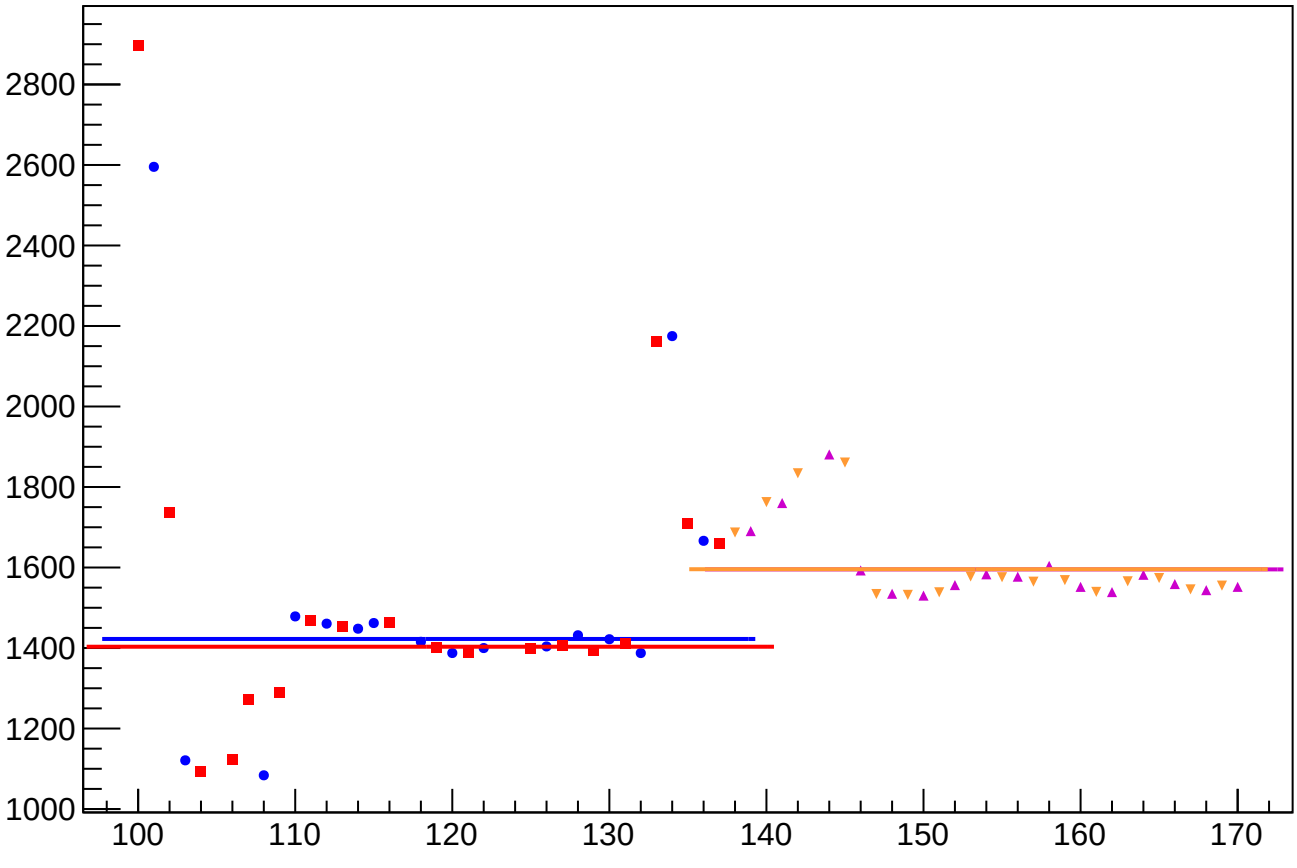
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -38.217+/-449.793 χ²/NDF:18.7/15
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -56.096+/-439.415 χ²/NDF:10.7/15
Left: -47.365+/-314.318 χ²/NDF: 29.4/31
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 205.252+/-340.844 χ²/NDF:31.9/31
Out: -47.431+/-343.703 χ²/NDF:39.1/33
All: 79.966+/-242.017 χ²/NDF: 71.3/65



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1595.764+/-0.318 χ^2/NDF:82813.1/15

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

Left: 1595.542+/-0.222 χ^2/NDF: 159872.9/31

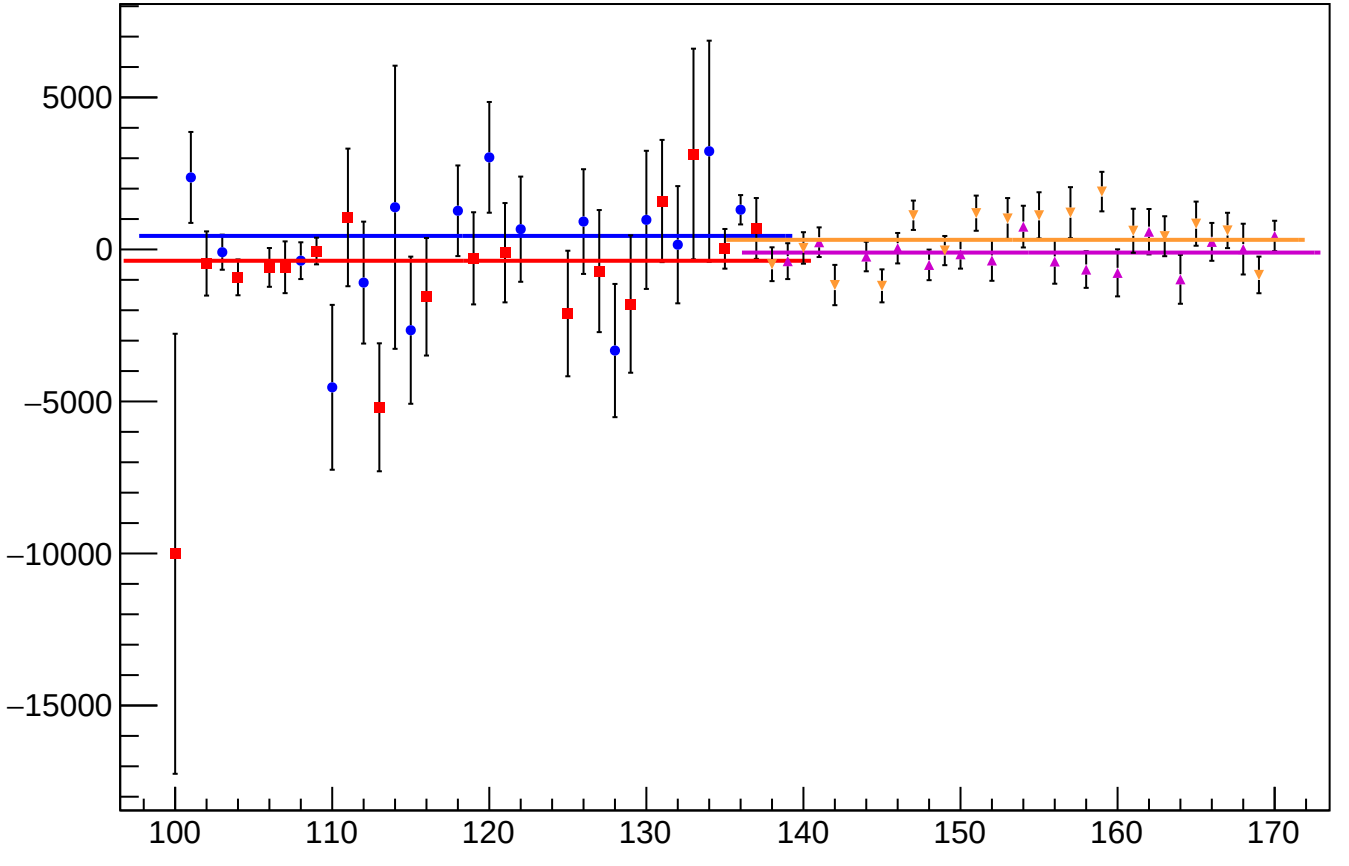
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1526.493+/-0.241 χ^2/NDF:760539.6/31

Out: 1515.646+/-0.243 χ^2/NDF:594423.2/33

All: 1521.115+/-0.171 χ^2/NDF: 1355967.2/65

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: 316.204+/-151.039 χ^2/NDF:34.8/15

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -103.281+/-147.883 χ^2/NDF:8.6/15

Left: 102.033+/-105.667 χ^2/NDF: 47.3/31

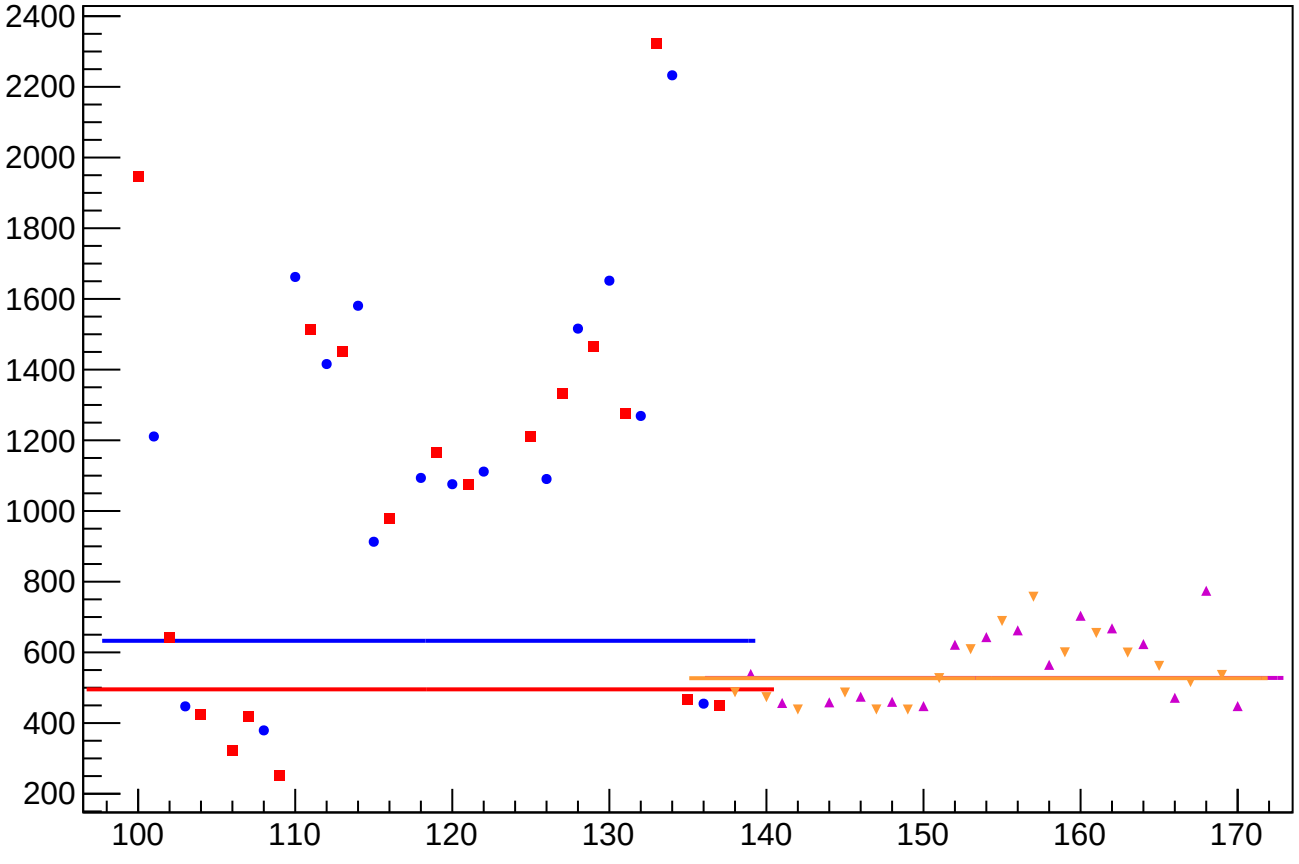
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 19.916+/-130.217 χ^2/NDF:30.9/31

Out: 110.378+/-126.473 χ^2/NDF:55.0/33

All: 66.467+/-90.725 χ^2/NDF: 86.1/65

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 526.948+/-0.107 χ^2/NDF:603758.3/15

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 527.704+/-0.105 χ^2/NDF:813665.9/15

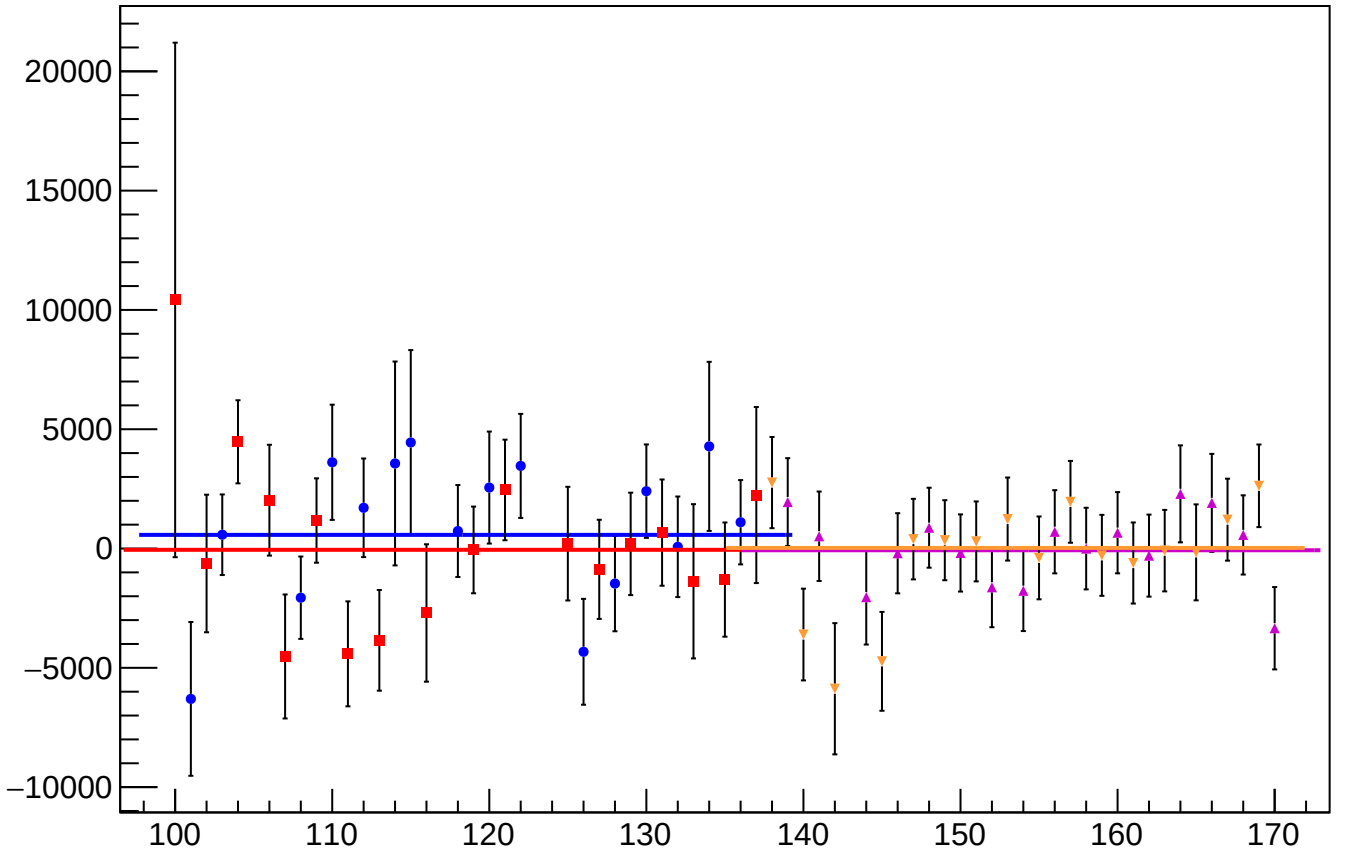
Left: 527.334+/-0.075 χ^2/NDF: 1417449.8/31

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 551.303+/-0.092 χ^2/NDF:4808110.9/31

Out: 517.514+/-0.089 χ^2/NDF:4967352.6/33

All: 533.916+/-0.064 χ^2/NDF: 9844756.5/65



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 24.818+/-450.293 χ^2/NDF:20.3/15

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -72.097+/-439.992 χ^2/NDF:10.9/15

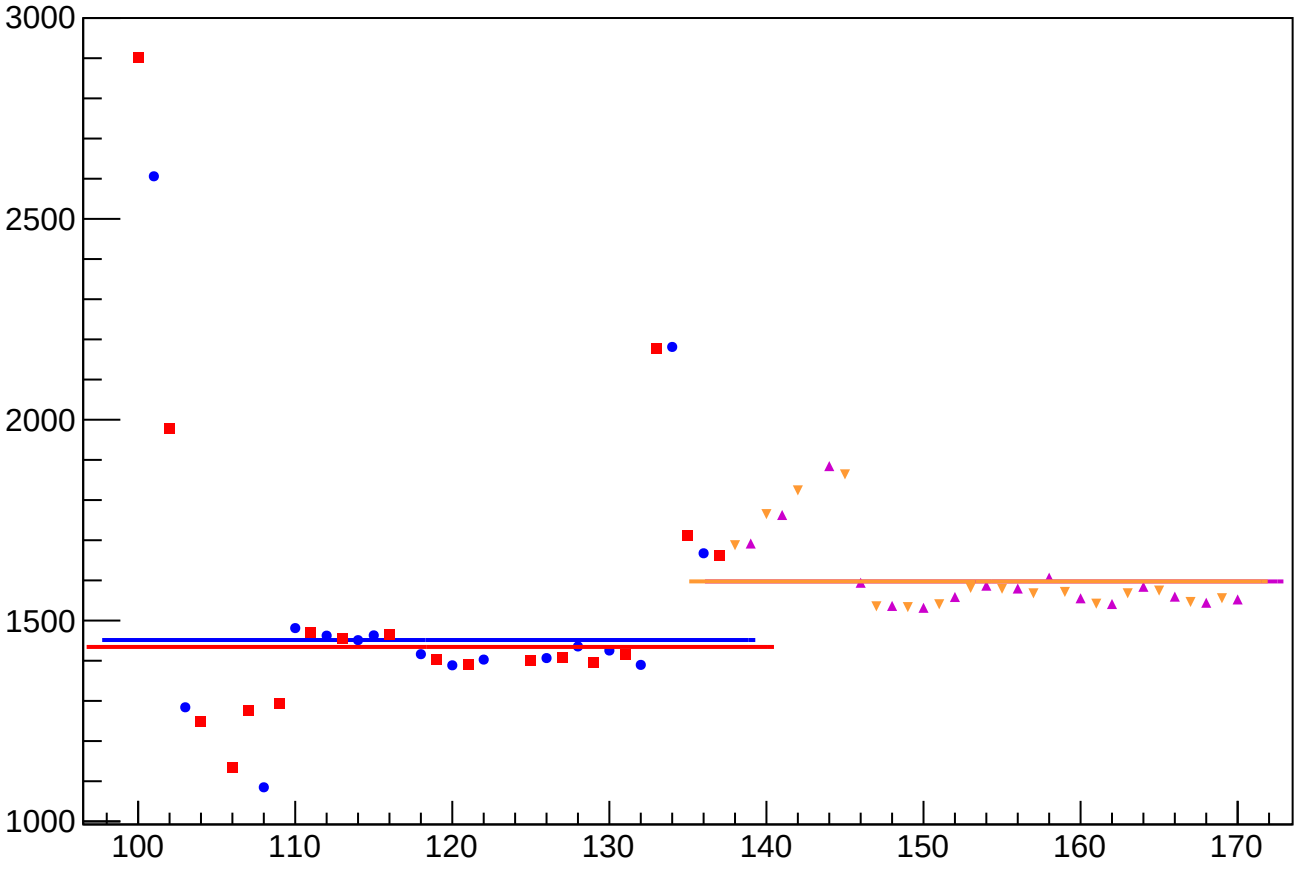
Left: -24.761+/-314.700 χ^2/NDF: 31.3/31

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 179.567+/-343.490 χ^2/NDF:32.5/31

Out: -7.035+/-347.226 χ^2/NDF:42.9/33

All: 87.276+/-244.194 χ^2/NDF: 75.5/65



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1597.508+/-0.318 χ^2/NDF:81641.0/15

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1597.403+/-0.311 χ^2/NDF:77507.1/15

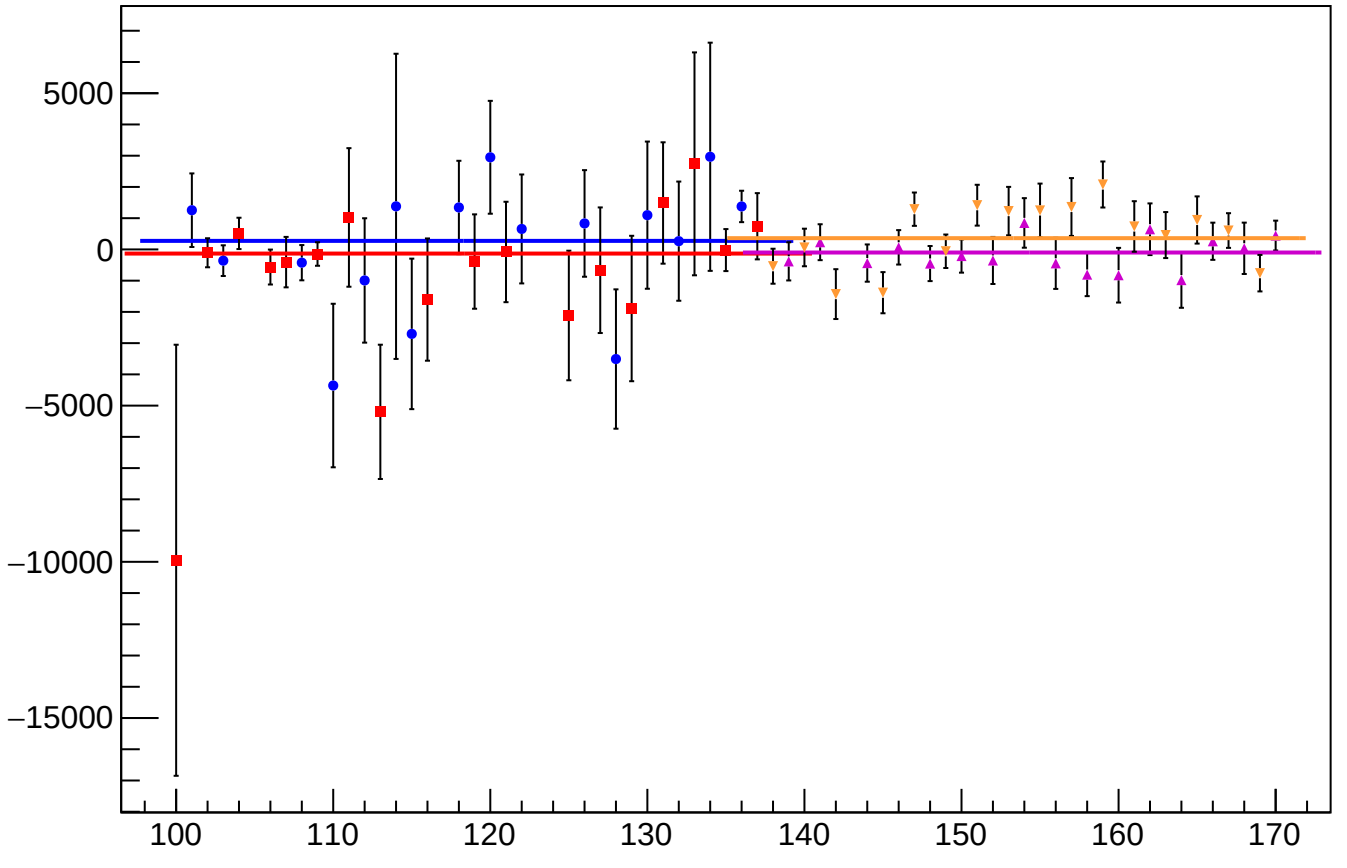
Left: 1597.454+/-0.223 χ^2/NDF: 159148.1/31

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1540.452+/-0.243 χ^2/NDF:651141.4/31

Out: 1531.354+/-0.246 χ^2/NDF:516714.4/33

All: 1535.952+/-0.173 χ^2/NDF: 1168549.7/65



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 360.219+/-165.517 χ^2/NDF:34.7/15

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -99.325+/-161.808 χ^2/NDF:8.3/15

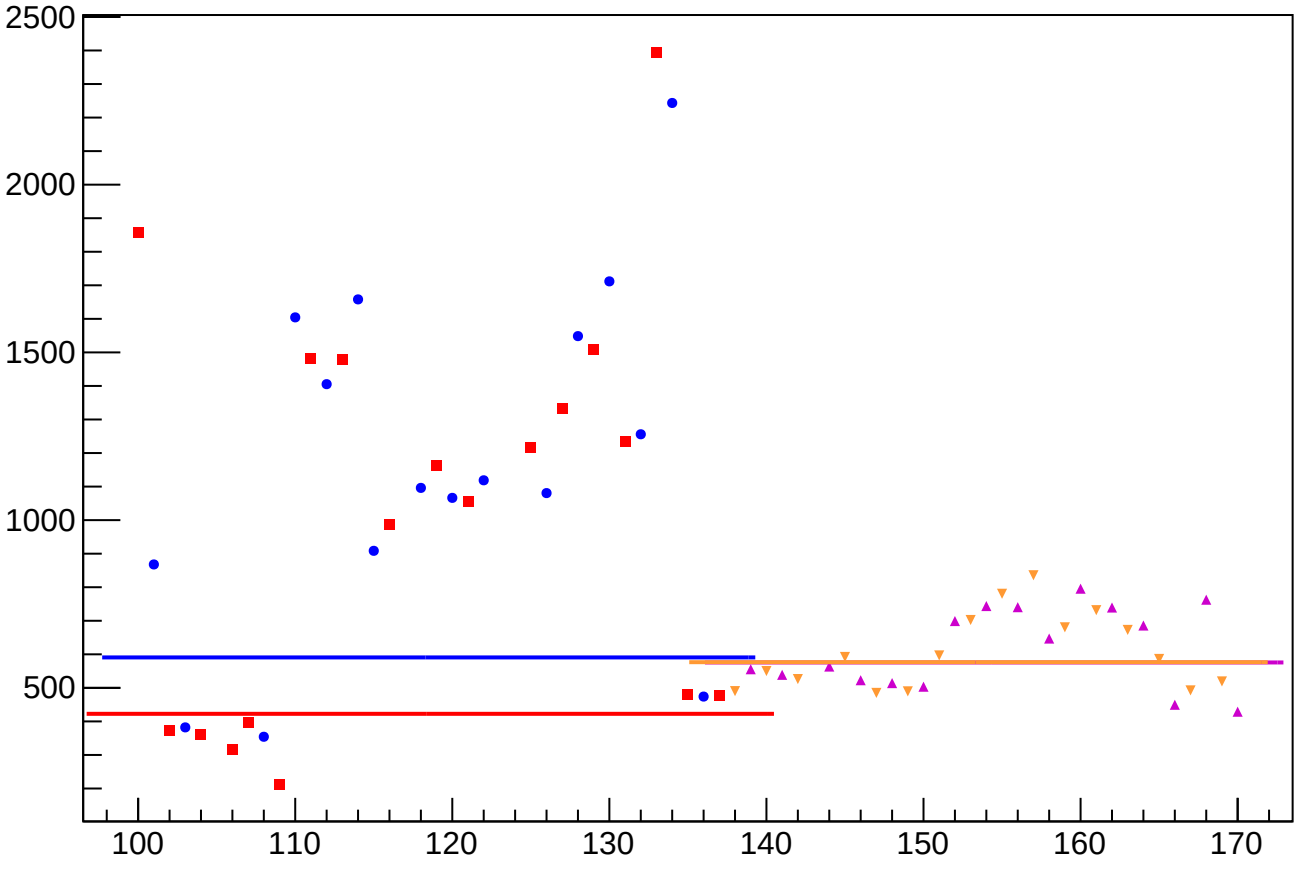
Left: 125.240+/-115.704 χ^2/NDF: 47.0/31

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 4.433+/-137.456 χ^2/NDF:30.0/31

Out: 155.000+/-126.440 χ^2/NDF:52.9/33

All: 85.991+/-93.058 χ^2/NDF: 83.6/65


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
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110
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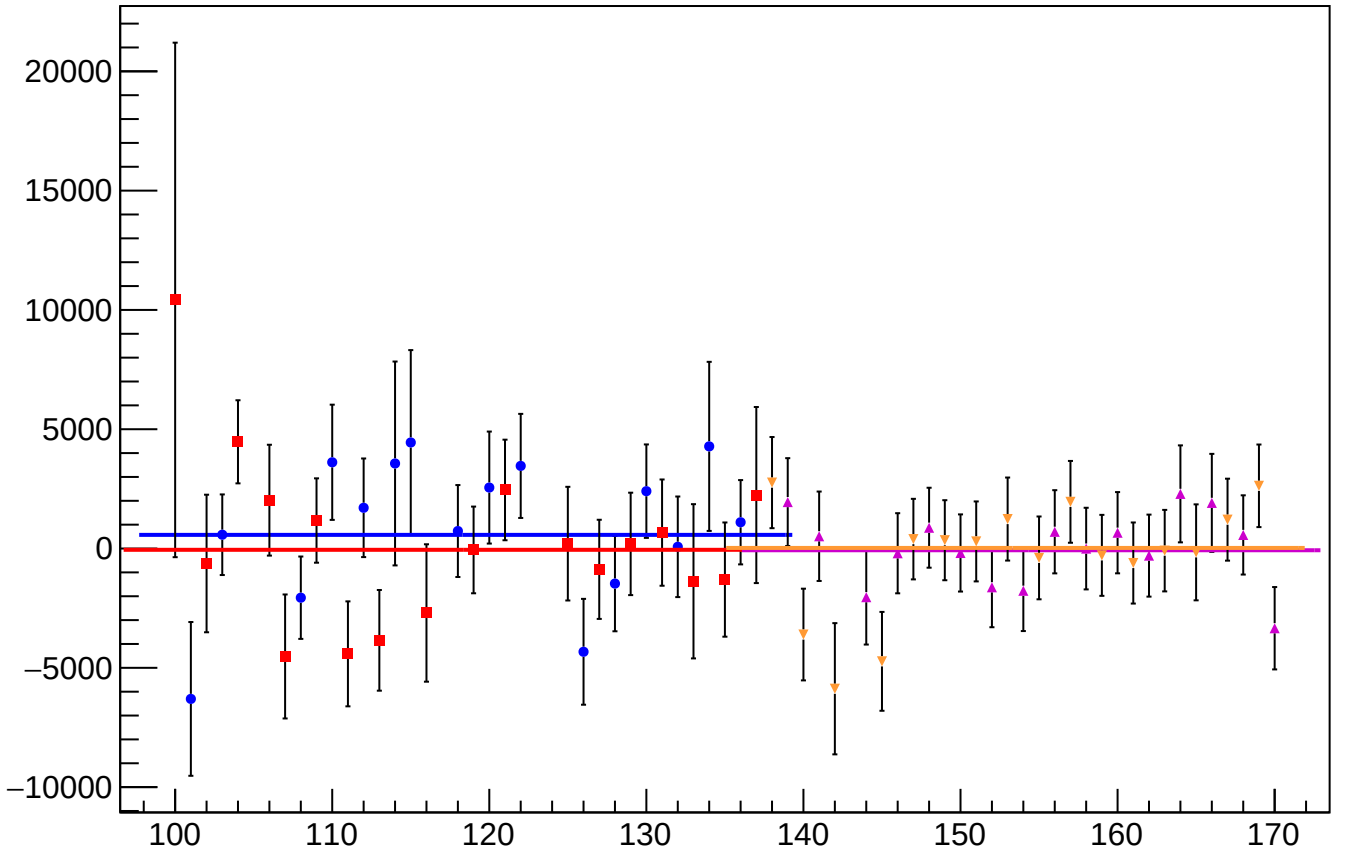
140
150
160
170
Right In: 590.749+/-0.184 χ²/NDF: 3885502.1/15
Left Out: 576.564+/-0.117 χ²/NDF:708748.2/15
Right Out: 422.629+/-0.139 χ²/NDF: 4858014.6/17
Left In: 575.734+/-0.114 χ²/NDF:954694.8/15
Left: 576.140+/-0.082 χ²/NDF: 1663468.7/31
Right: 483.362+/-0.111 χ²/NDF: 9275456.5/33
In: 579.913+/-0.097 χ²/NDF:4844990.5/31
Out: 512.459+/-0.089 χ²/NDF:6287168.0/33
All: 543.376+/-0.066 χ²/NDF: 11393047.2/65


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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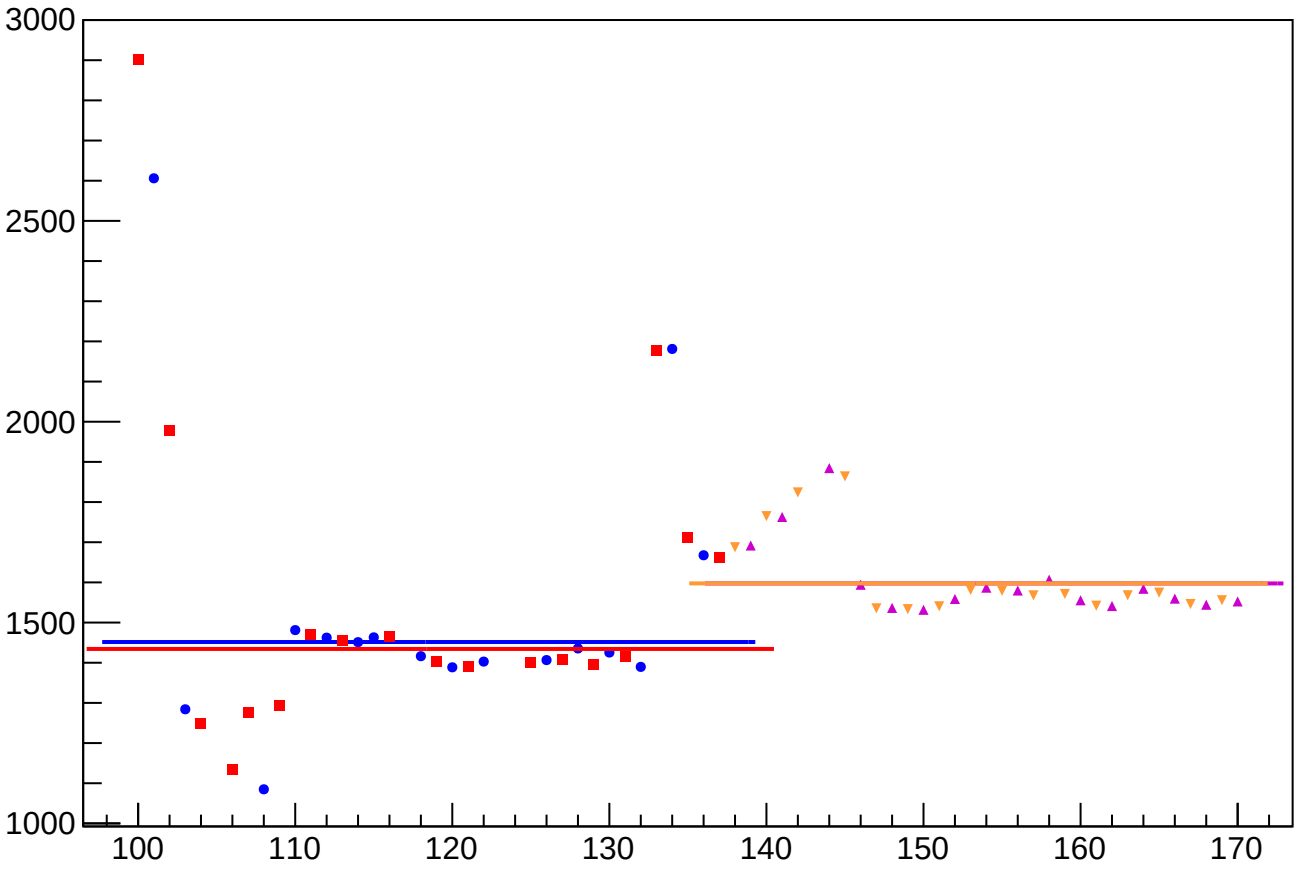
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 24.812+/-450.293 χ²/NDF:20.3/15
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -72.095+/-439.992 χ²/NDF:10.9/15
Left: -24.763+/-314.700 χ²/NDF: 31.3/31
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 179.568+/-343.490 χ²/NDF:32.5/31
Out: -7.037+/-347.226 χ²/NDF:42.9/33
All: 87.275+/-244.194 χ²/NDF: 75.5/65



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1597.508+/-0.318 χ^2/NDF:81641.2/15

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1597.403+/-0.311 χ^2/NDF:77507.3/15

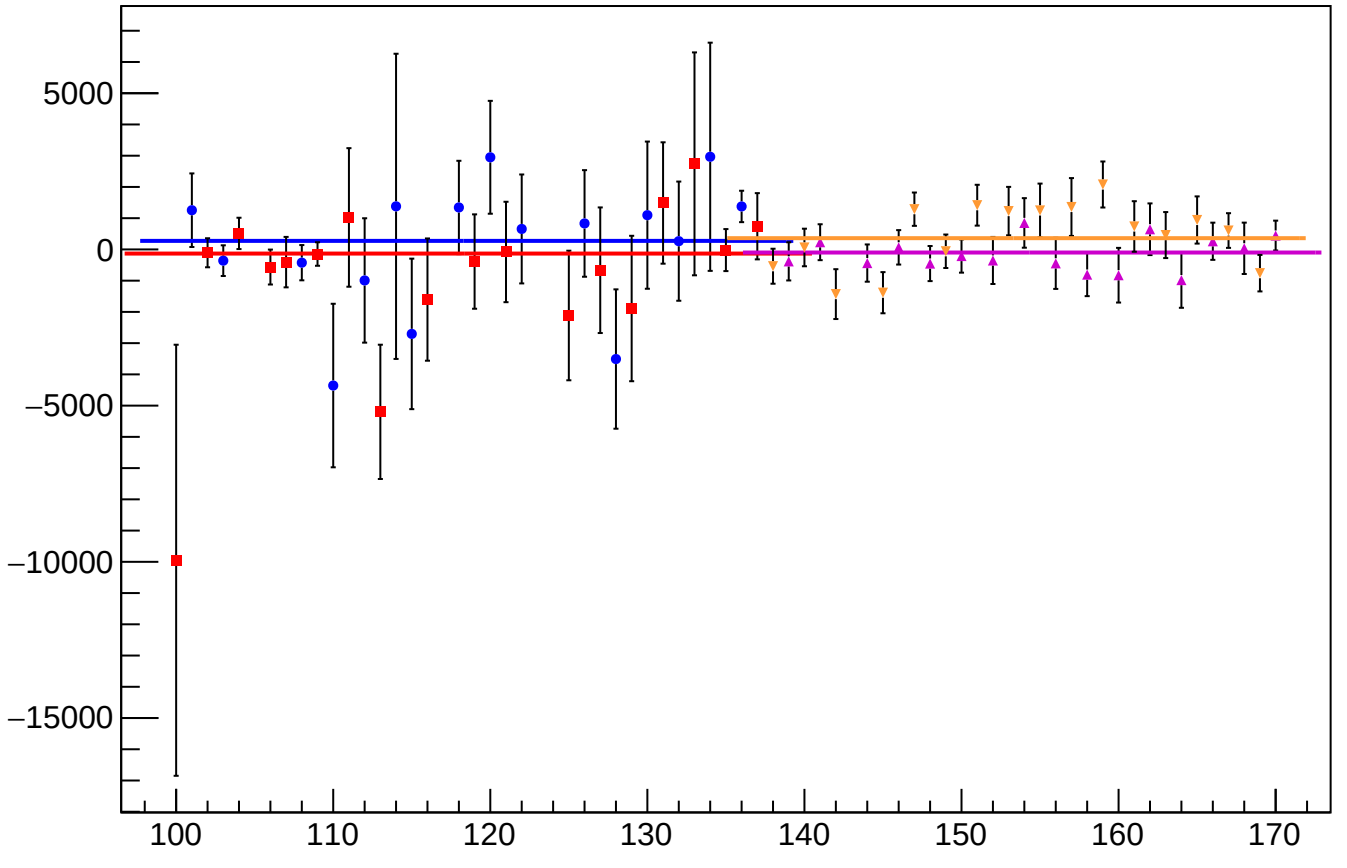
Left: 1597.454+/-0.223 χ^2/NDF: 159148.5/31

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1540.452+/-0.243 χ^2/NDF:651141.1/31

Out: 1531.354+/-0.246 χ^2/NDF:516714.8/33

All: 1535.952+/-0.173 χ^2/NDF: 1168549.8/65



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 360.227+/-165.518 χ^2/NDF:34.7/15

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -99.326+/-161.808 χ^2/NDF:8.3/15

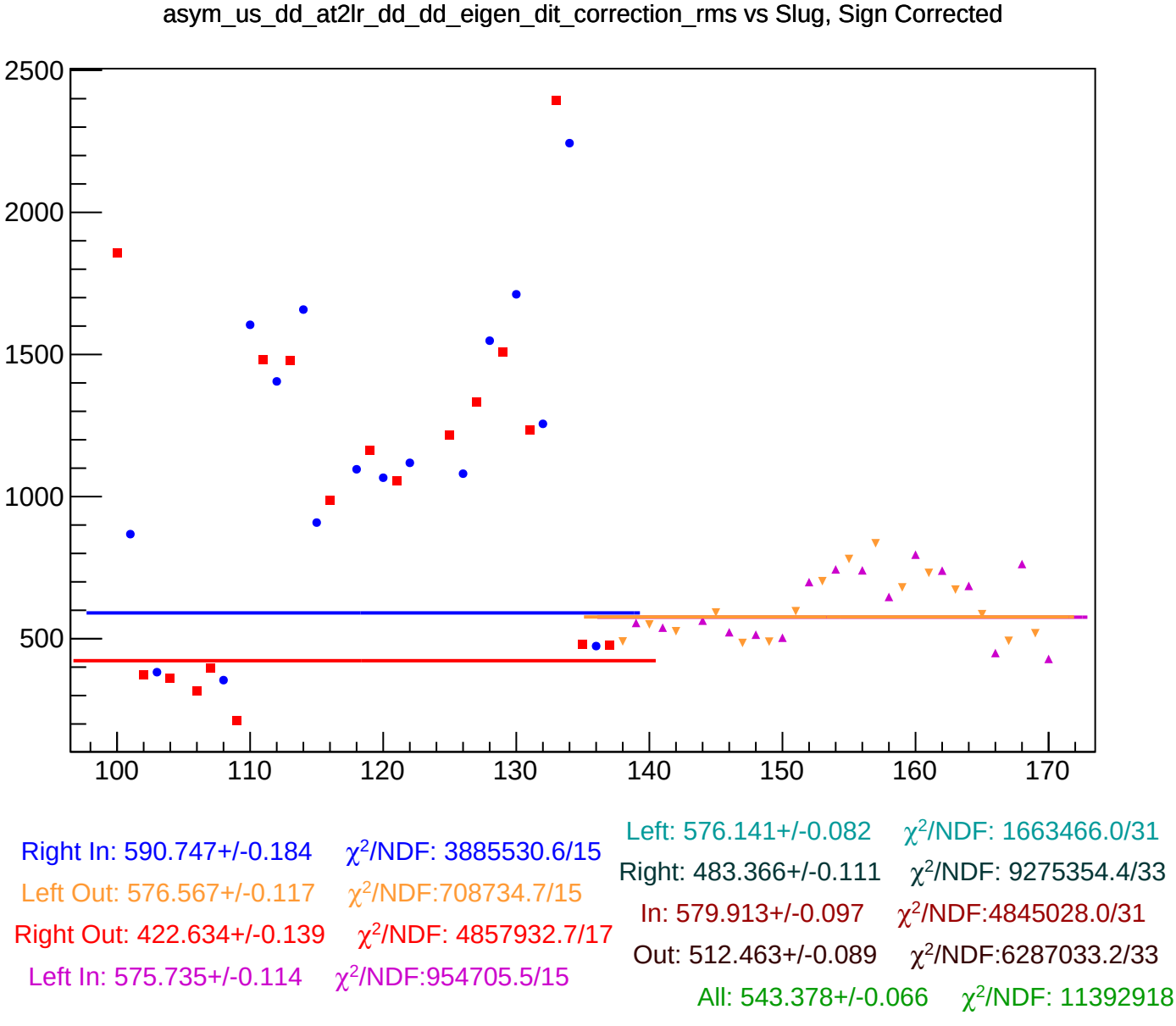
Left: 125.243+/-115.705 χ^2/NDF: 47.0/31

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 4.430+/-137.456 χ^2/NDF:30.0/31

Out: 155.008+/-126.441 χ^2/NDF:52.9/33

All: 85.993+/-93.058 χ^2/NDF: 83.6/65


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
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120
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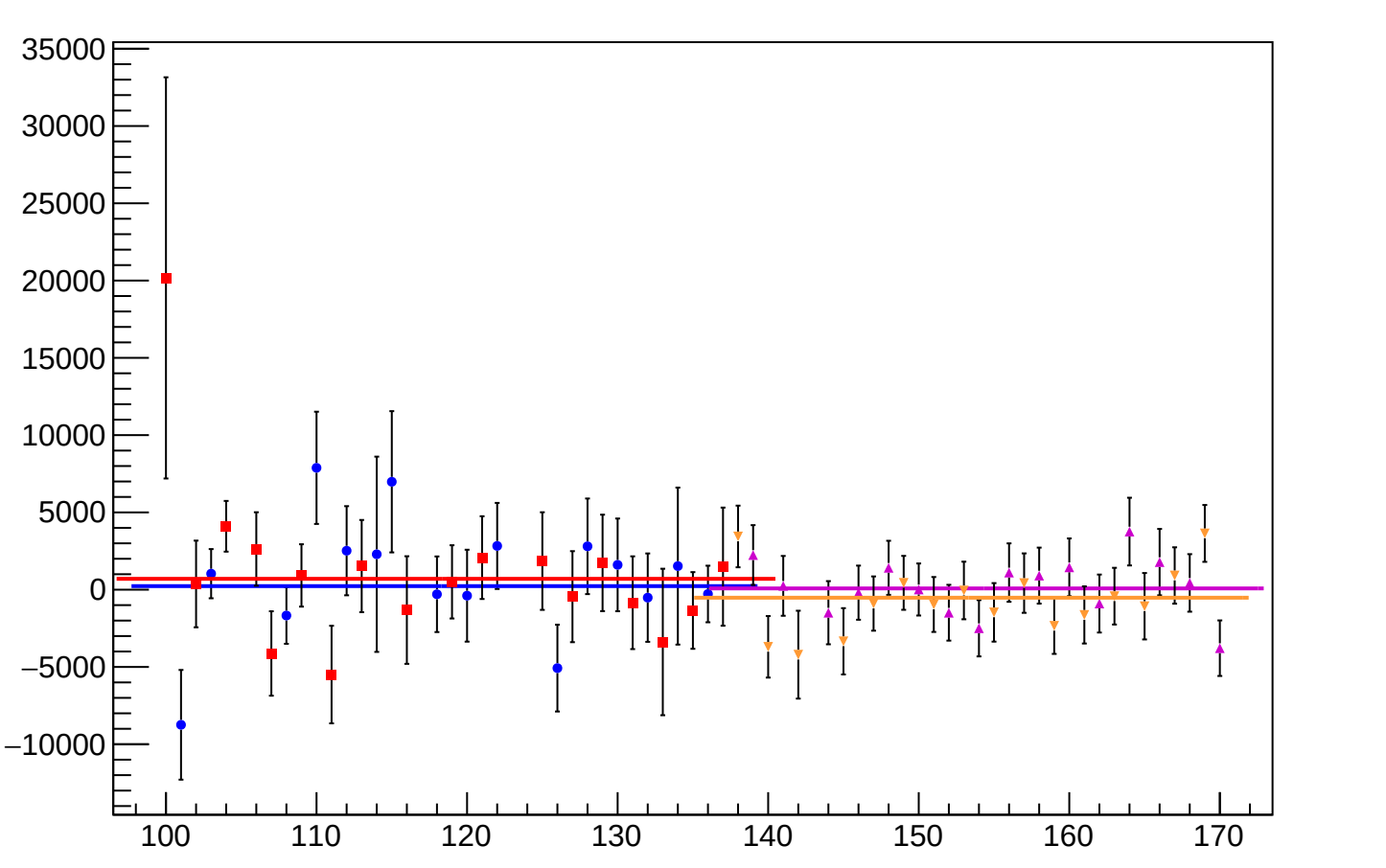
140
150
160
170
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 576.567+/-0.117 χ²/NDF:708734.7/15
Right Out: 422.634+/-0.139 χ²/NDF: 4857932.7/17
Left In: 575.735+/-0.114 χ²/NDF:954705.5/15
Left: 576.141+/-0.082 χ²/NDF: 1663466.0/31
Right: 483.366+/-0.111 χ²/NDF: 9275354.4/33
In: 579.913+/-0.097 χ²/NDF:4845028.0/31
Out: 512.463+/-0.089 χ²/NDF:6287033.2/33
All: 543.378+/-0.066 χ²/NDF: 11392918.3/65



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -519.559+/-479.014 χ^2/NDF:18.0/15

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 80.957+/-468.024 χ^2/NDF:14.6/15

Left: -212.334+/-334.761 χ^2/NDF: 33.5/31

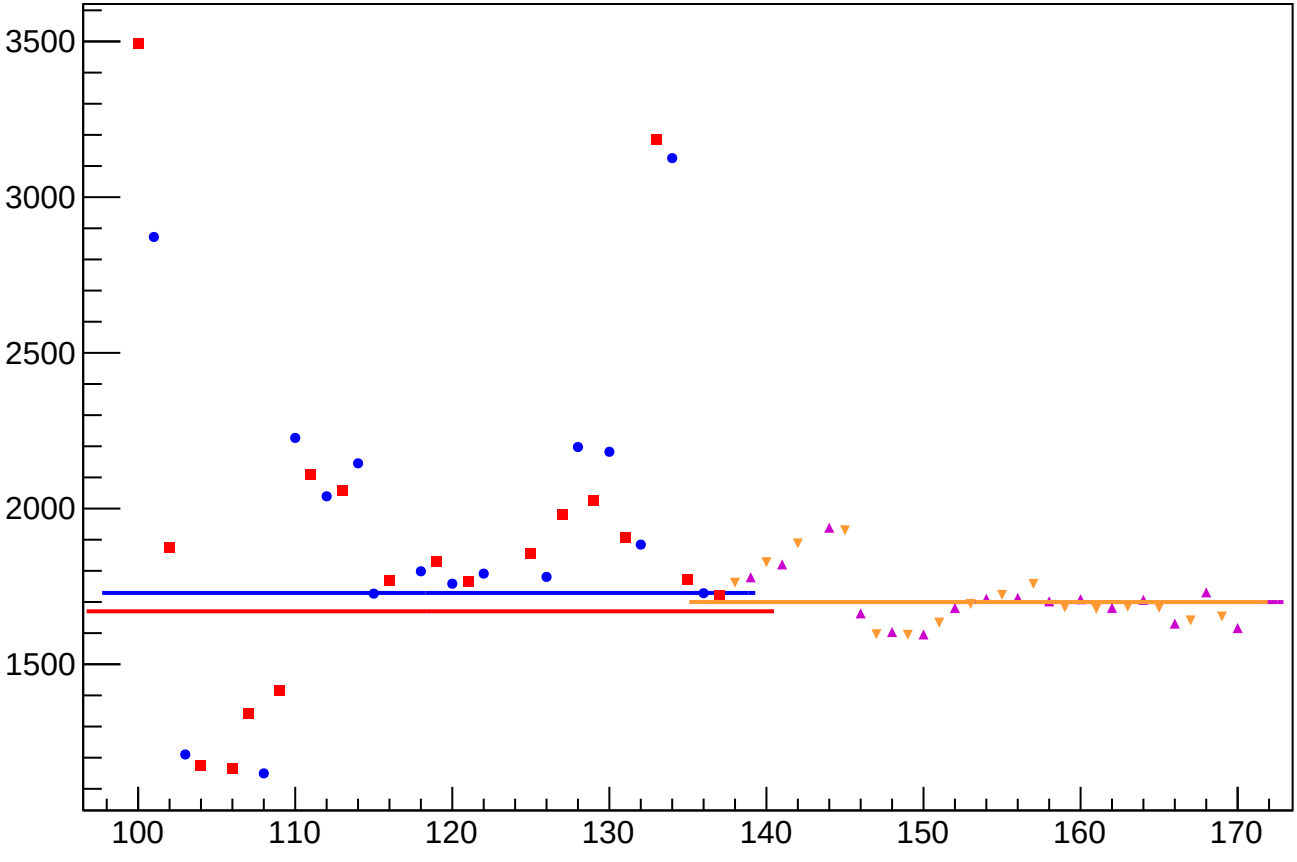
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 130.456+/-382.973 χ^2/NDF:35.4/31

Out: -88.095+/-385.262 χ^2/NDF:37.4/33

All: 21.832+/-271.608 χ^2/NDF: 72.9/65

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: 1699.966+/-0.339 χ^2/NDF:65285.7/15

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1699.683+/-0.331 χ^2/NDF:60701.8/15

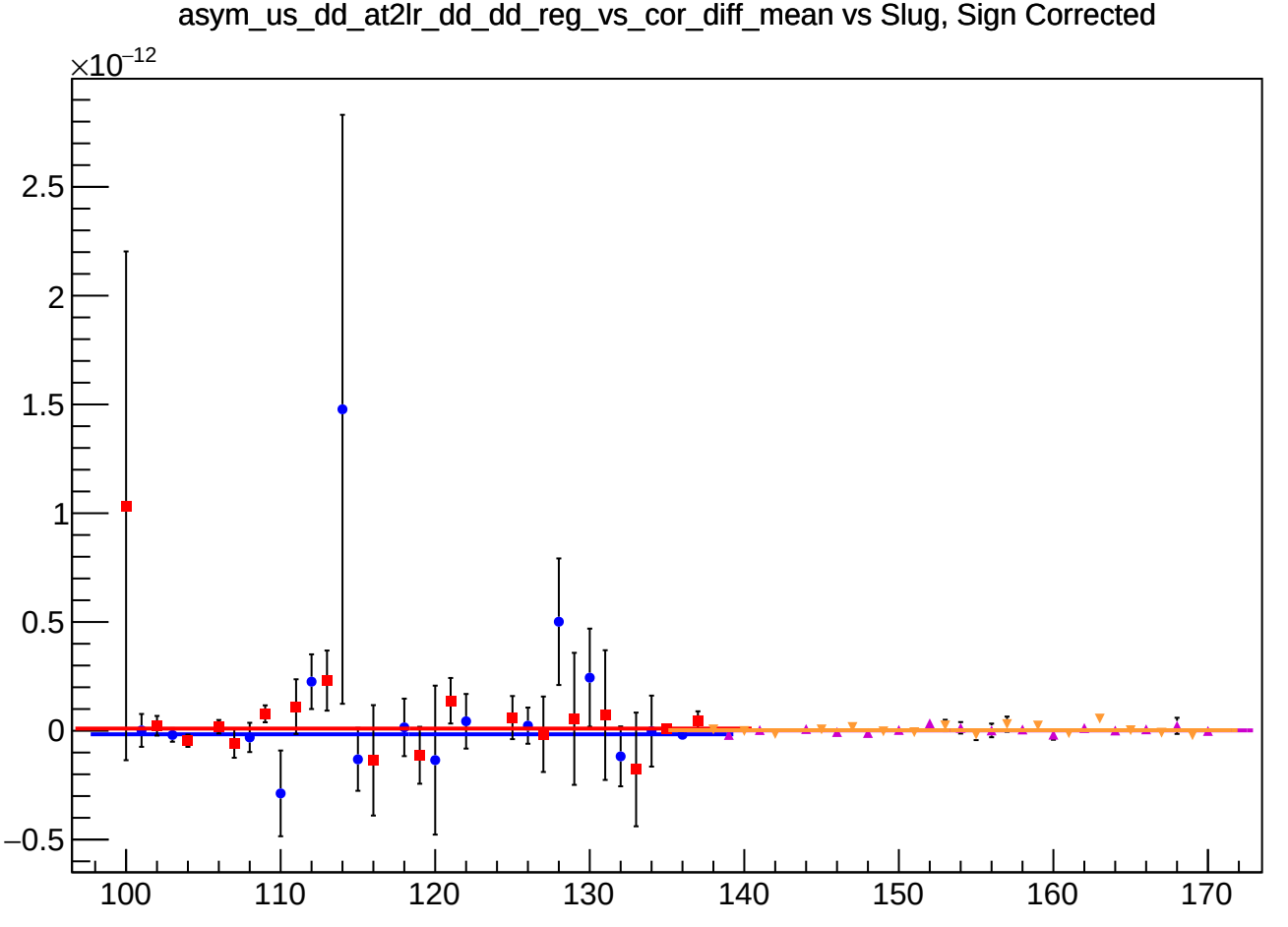
Left: 1699.821+/-0.237 χ^2/NDF: 125987.8/31

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1709.386+/-0.271 χ^2/NDF:1005382.8/31

Out: 1689.404+/-0.272 χ^2/NDF:812491.4/33

All: 1699.455+/-0.192 χ^2/NDF: 1820580.3/65



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/15

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/15

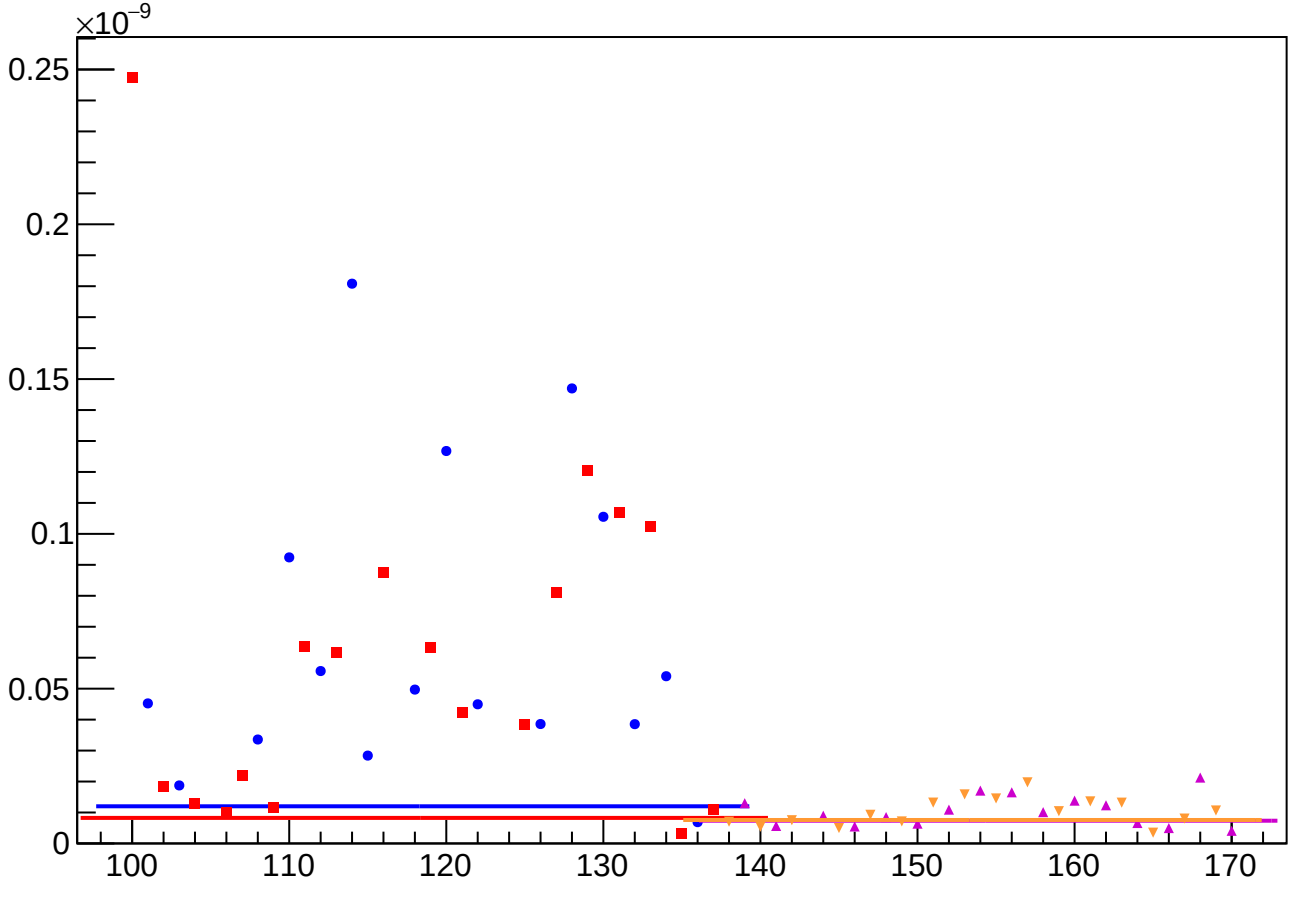
Left: 0.000+/-0.000 χ^2/NDF: 22.4/31

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:23.5/31

Out: 0.000+/-0.000 χ^2/NDF:31.9/33

All: 0.000+/-0.000 χ^2/NDF: 56.1/65



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1789305.4/15

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1884952.7/15

Left: 0.000+/-0.000 χ^2/NDF: 3678542.7/31

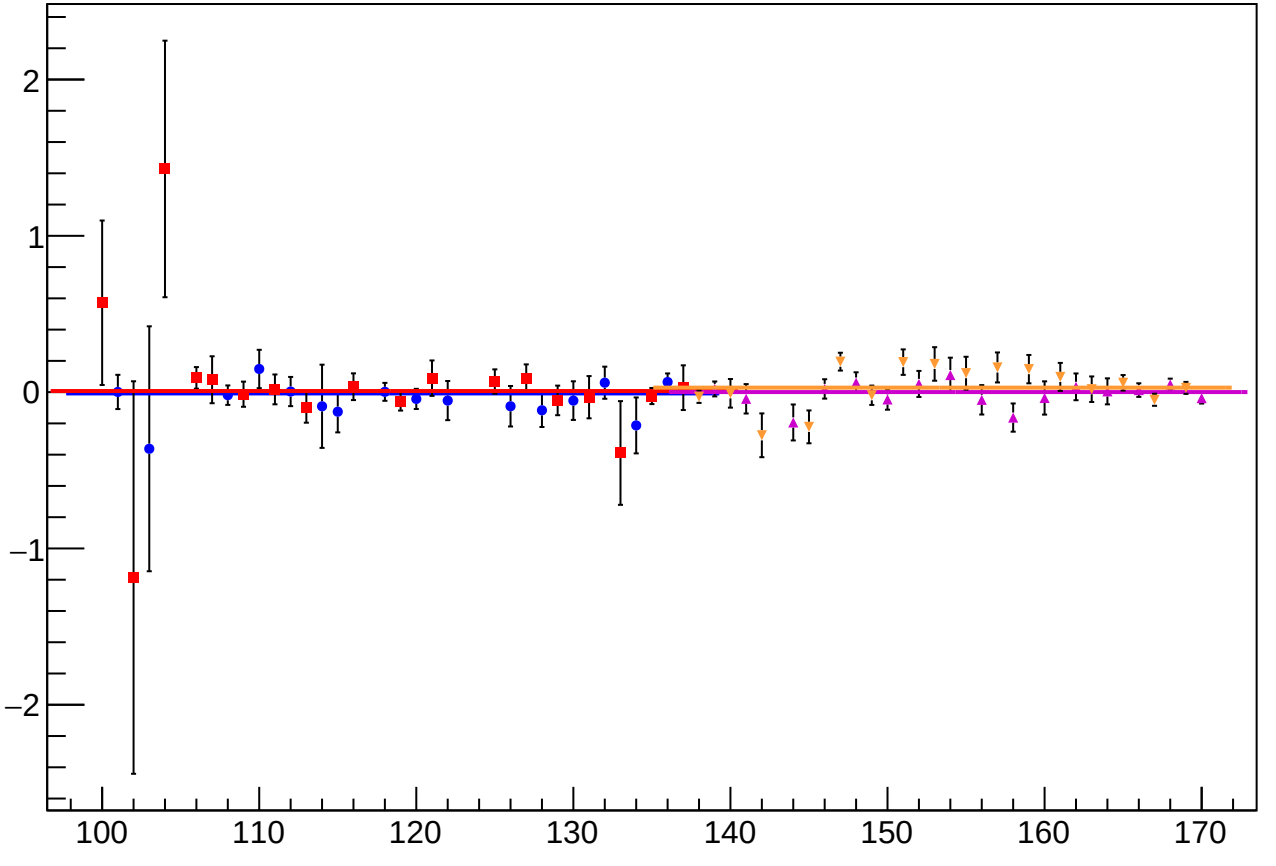
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5680388.5/31

Out: 0.000+/-0.000 χ^2/NDF:5309655.0/33

All: 0.000+/-0.000 χ^2/NDF: 10992125.3/65

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.016 χ^2/NDF:37.2/15

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.0/15

Left: 0.014+/-0.011 χ^2/NDF: 51.8/31

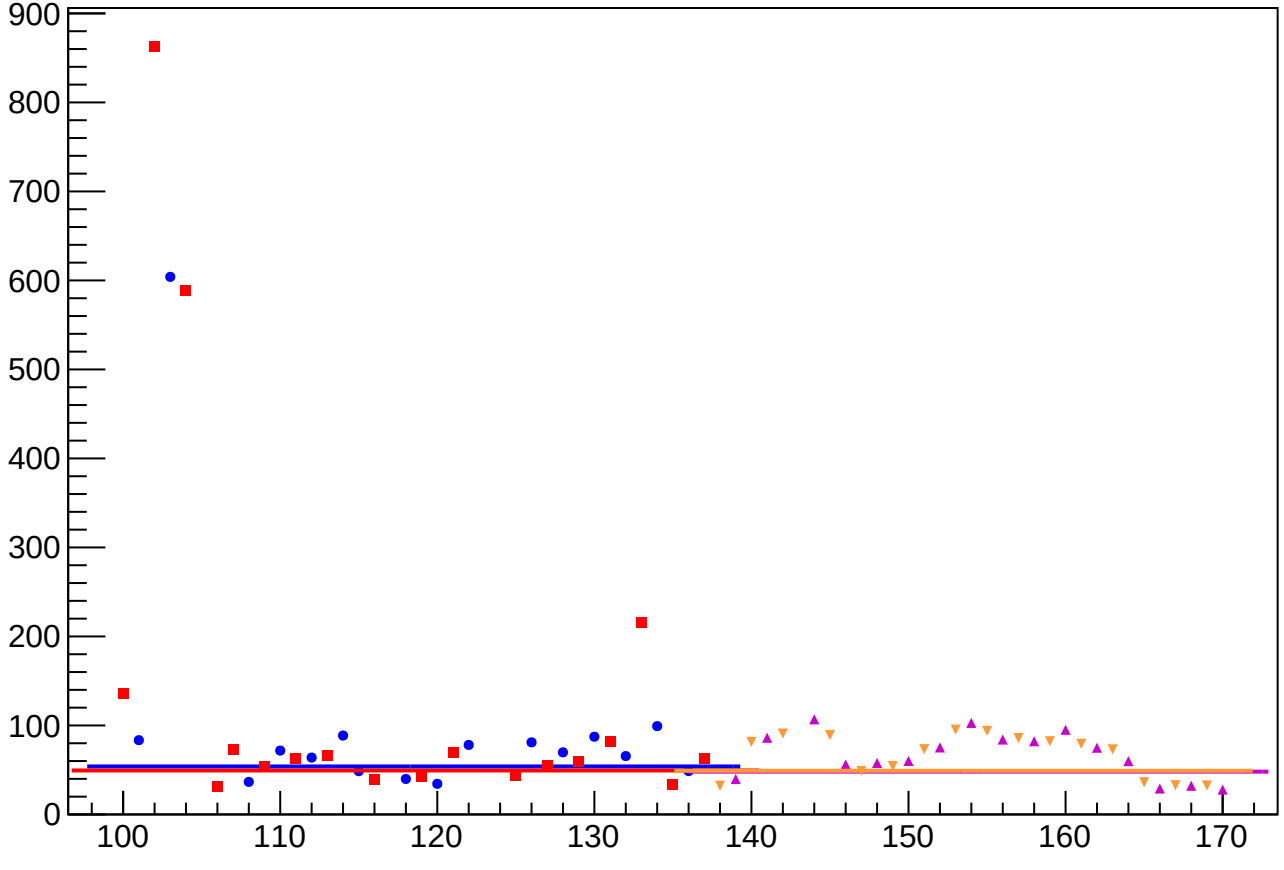
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.022+/-0.013 χ^2/NDF:51.5/33

All: 0.010+/-0.009 χ^2/NDF: 74.6/65

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: 49.109+/-0.011 χ^2/NDF:3827617.3/15

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.104+/-0.011 χ^2/NDF:4386677.3/15

Left: 48.593+/-0.008 χ^2/NDF: 8218496.3/31

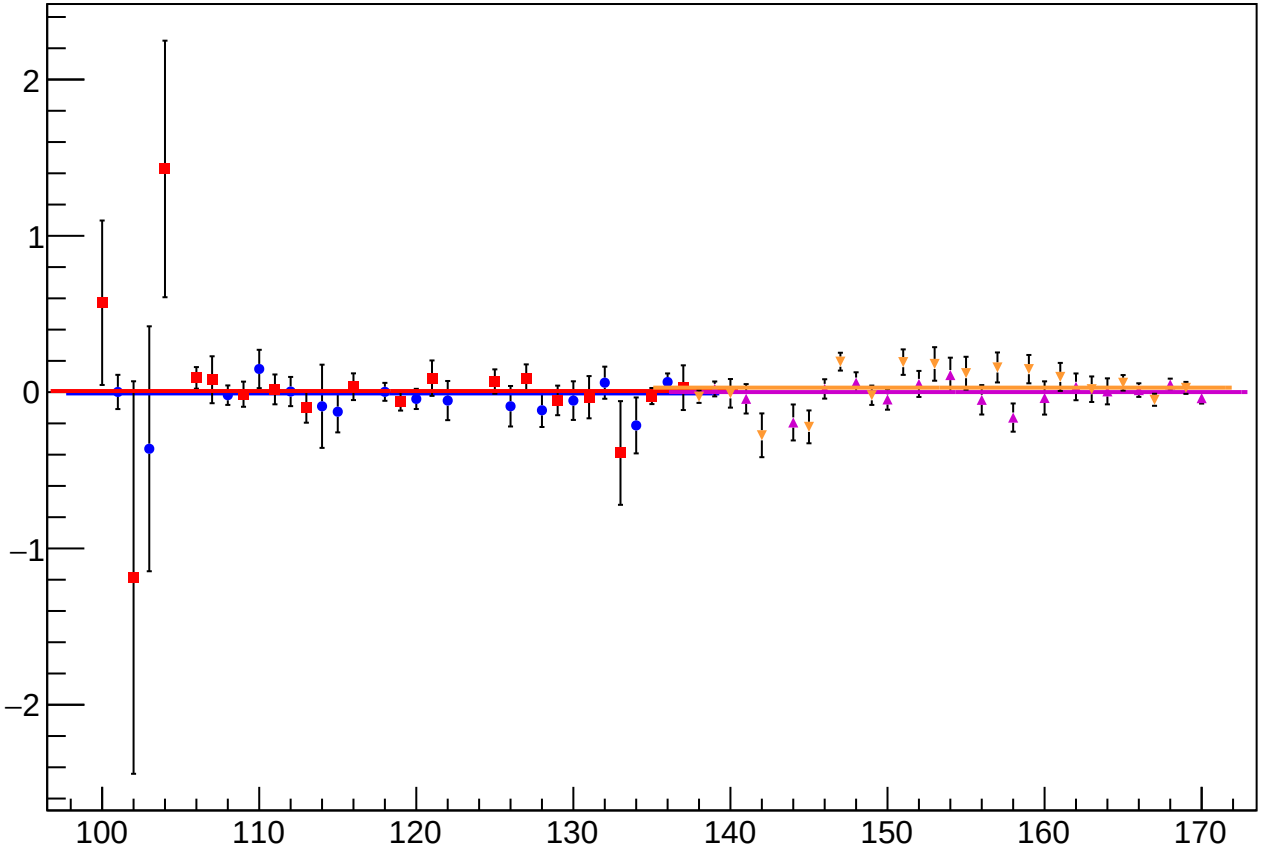
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 49.879+/-0.009 χ^2/NDF:6689290.7/31

Out: 49.212+/-0.009 χ^2/NDF:6845597.4/33

All: 49.547+/-0.006 χ^2/NDF: 13537600.2/65

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.016 χ^2/NDF:37.2/15

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.0/15

Left: 0.014+/-0.011 χ^2/NDF: 51.8/31

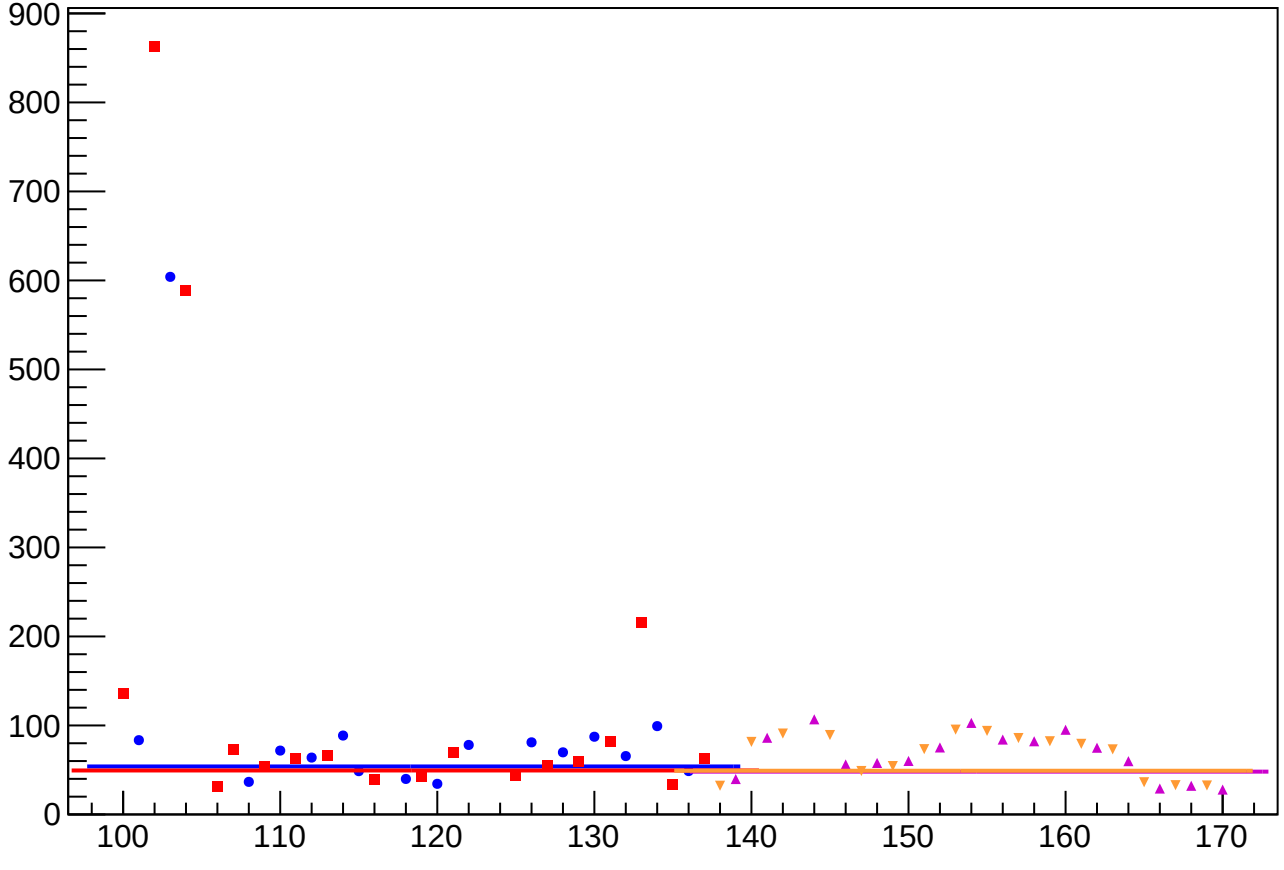
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.022+/-0.013 χ^2/NDF:51.5/33

All: 0.010+/-0.009 χ^2/NDF: 74.6/65

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: 49.109+/-0.011 χ^2/NDF:3827617.3/15

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.104+/-0.011 χ^2/NDF:4386677.3/15

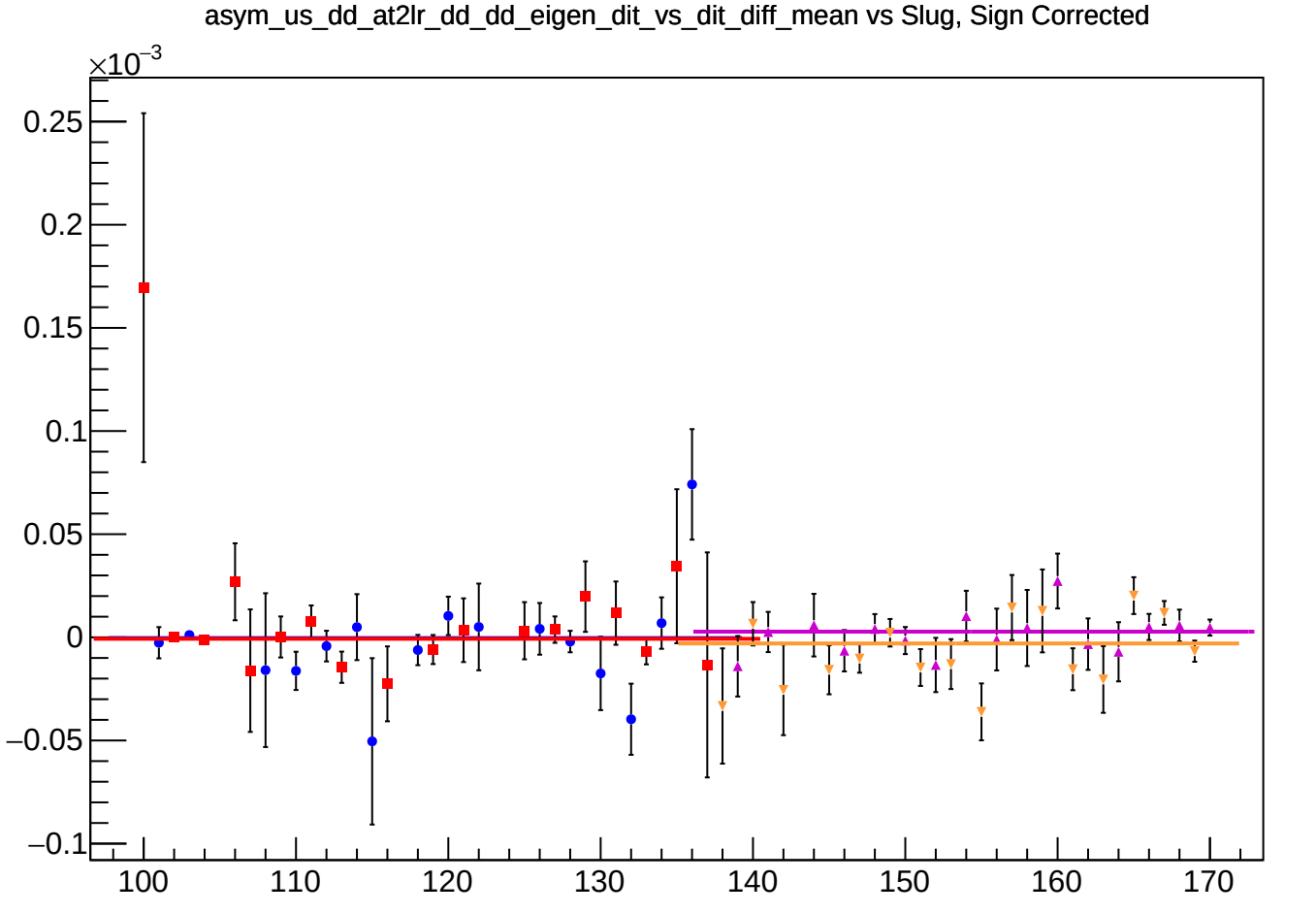
Left: 48.593+/-0.008 χ^2/NDF: 8218496.3/31

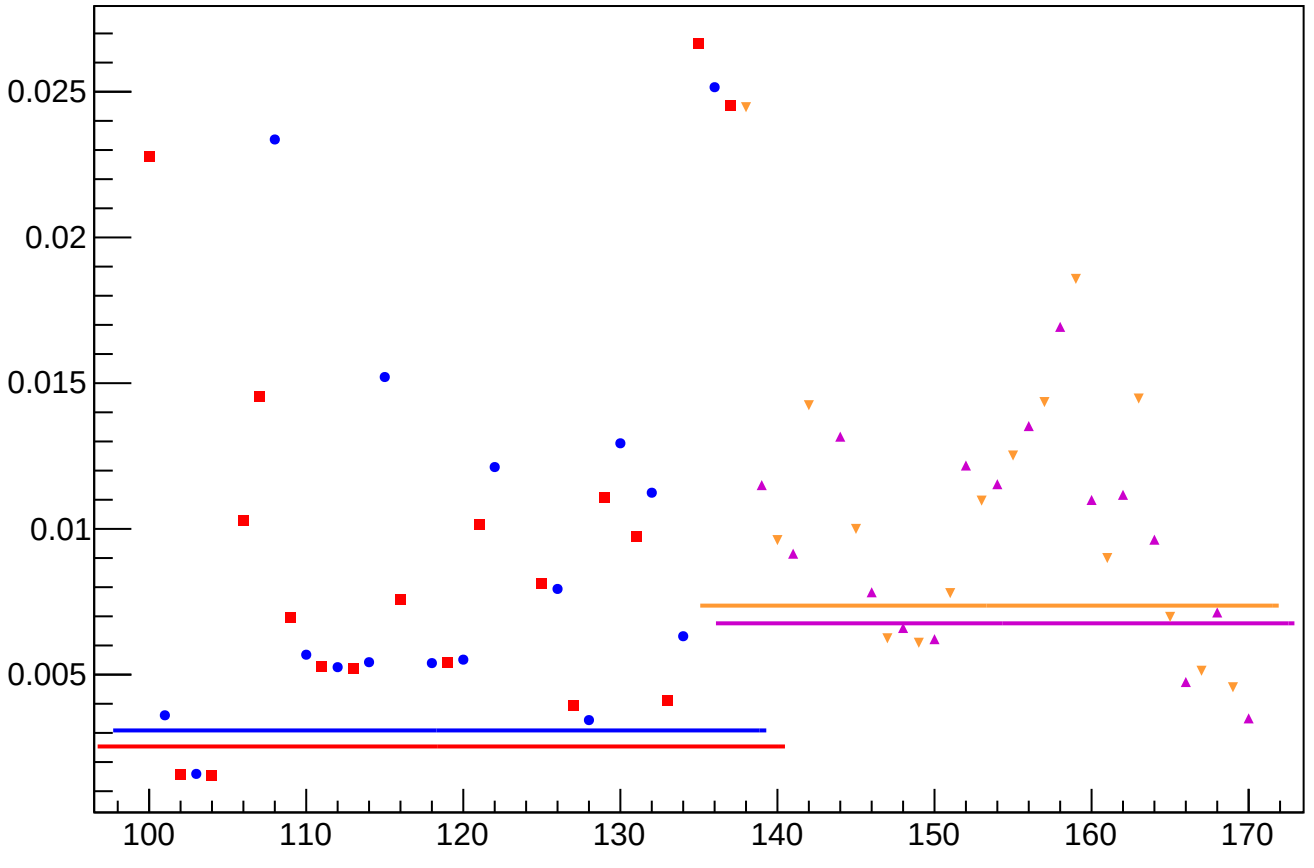
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 49.879+/-0.009 χ^2/NDF:6689290.7/31

Out: 49.212+/-0.009 χ^2/NDF:6845597.4/33

All: 49.547+/-0.006 χ^2/NDF: 13537600.2/65


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 22.1/15
Left Out: -0.000+/-0.000 χ²/NDF:32.5/15
Right Out: -0.000+/-0.000 χ²/NDF: 17.8/17
Left In: 0.000+/-0.000 χ²/NDF:9.3/15
Left: 0.000+/-0.000 χ²/NDF: 45.1/31
Right: -0.000+/-0.000 χ²/NDF: 40.0/33
In: 0.000+/-0.000 χ²/NDF:32.7/31
Out: -0.000+/-0.000 χ²/NDF:51.1/33
All: -0.000+/-0.000 χ²/NDF: 85.2/65



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.007+/-0.000 χ^2/NDF:4075930.4/15

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.007+/-0.000 χ^2/NDF:4522905.9/15

Left: 0.007+/-0.000 χ^2/NDF: 8673226.0/31

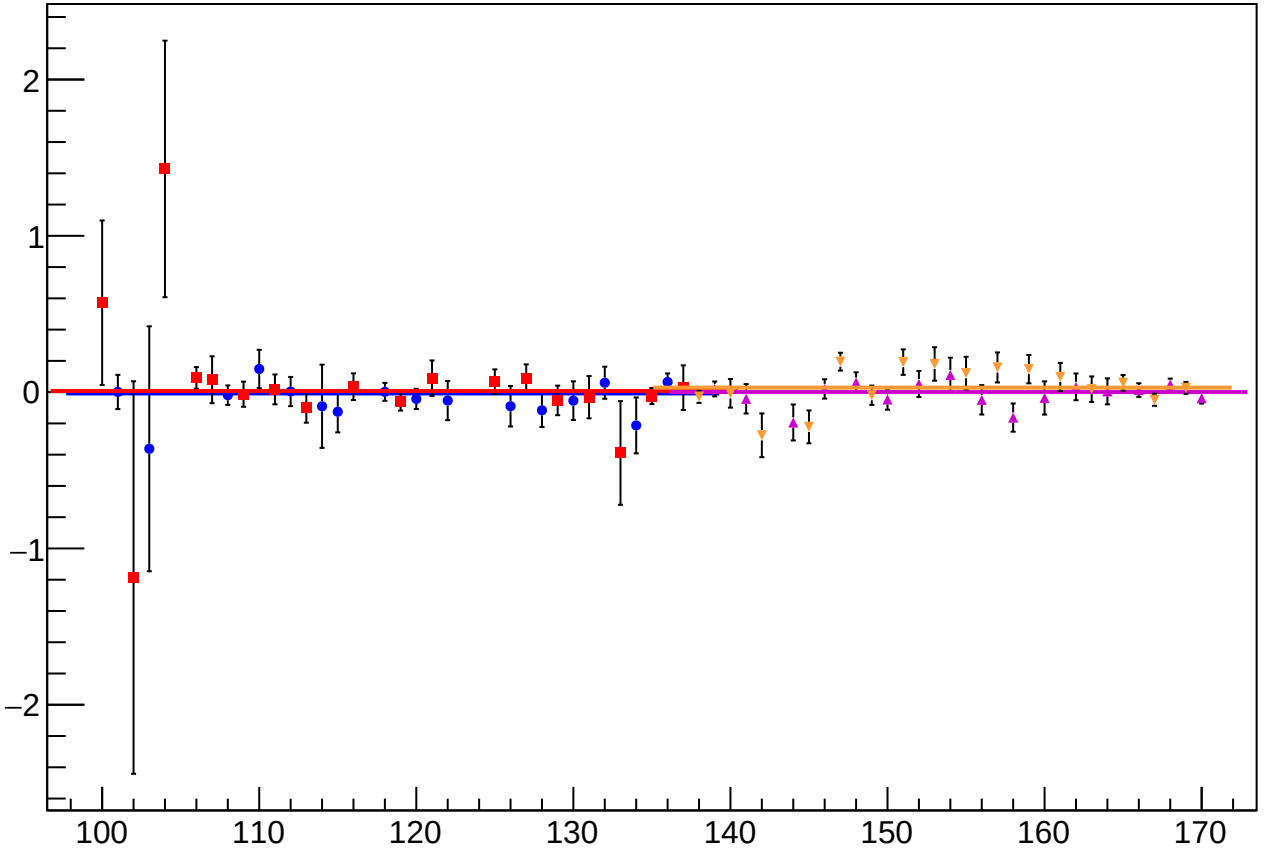
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14027779.1/31

Out: 0.004+/-0.000 χ^2/NDF:17068309.3/33

All: 0.004+/-0.000 χ^2/NDF: 31489063.3/65

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.016 χ^2/NDF:37.2/15

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.0/15

Left: 0.014+/-0.011 χ^2/NDF: 51.8/31

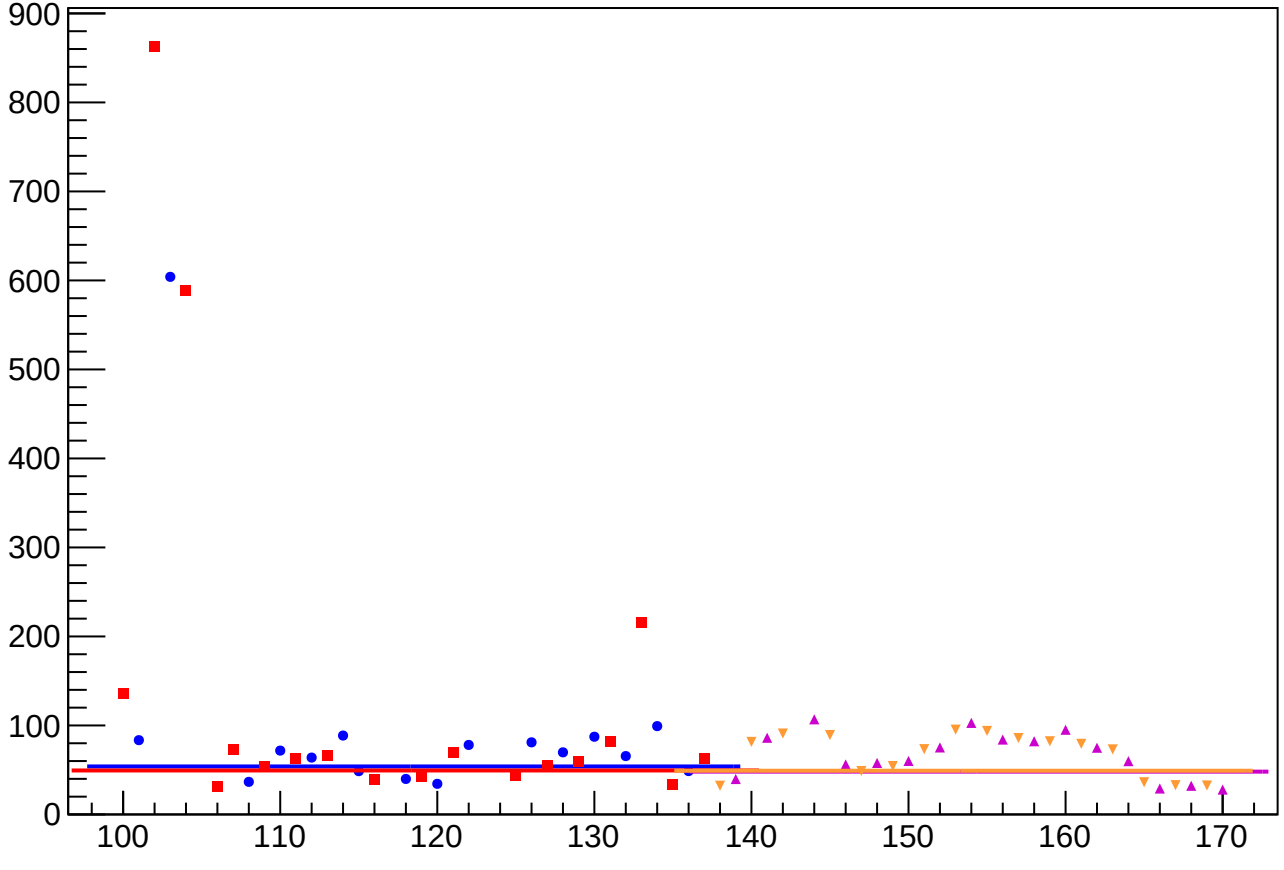
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.022+/-0.013 χ^2/NDF:51.5/33

All: 0.010+/-0.009 χ^2/NDF: 74.6/65

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: 49.111+/-0.011 χ^2/NDF:3826884.7/15

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 48.104+/-0.011 χ^2/NDF:4386630.8/15

Left: 48.594+/-0.008 χ^2/NDF: 8217736.3/31

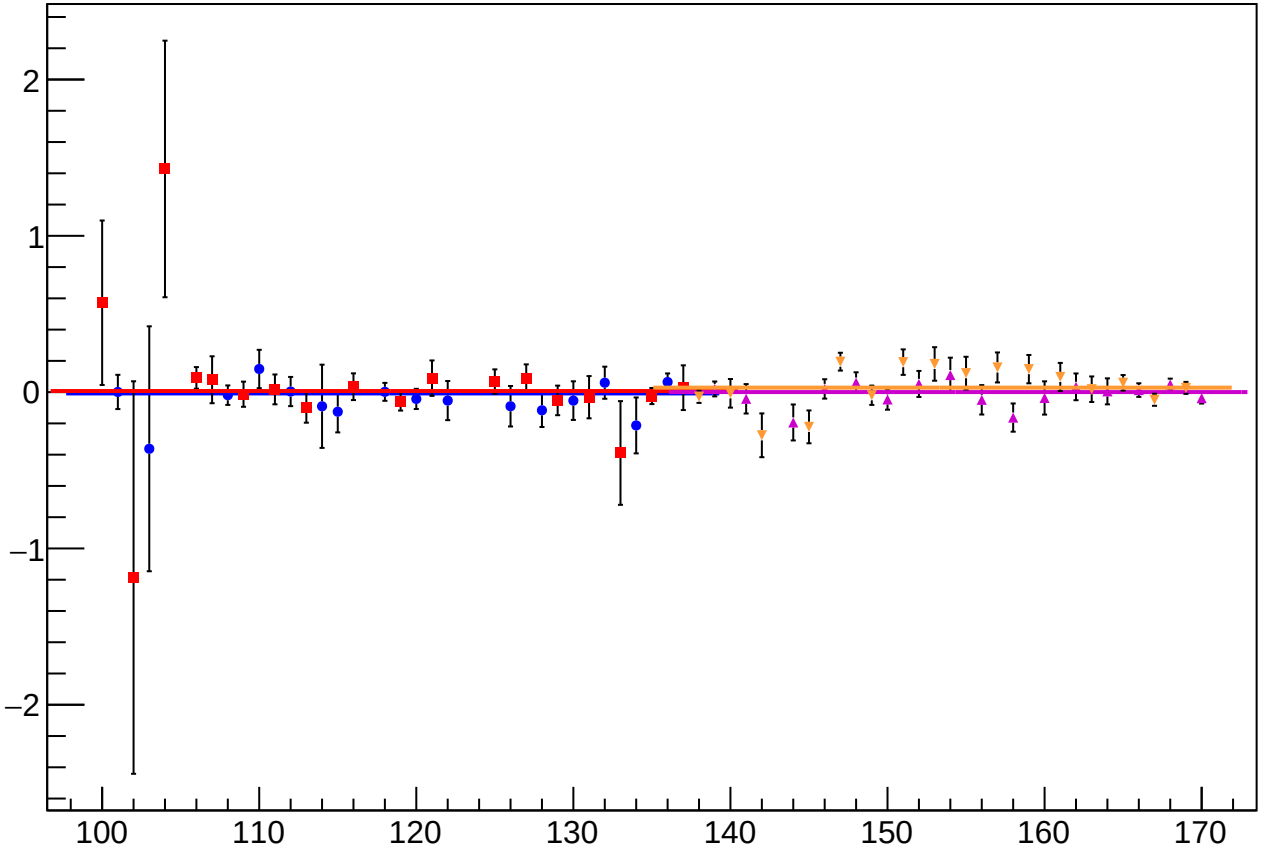
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 49.880+/-0.009 χ^2/NDF:6688940.8/31

Out: 49.215+/-0.009 χ^2/NDF:6844585.3/33

All: 49.549+/-0.006 χ^2/NDF: 13536227.4/65

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.029+/-0.016 χ^2/NDF:37.2/15

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:13.0/15

Left: 0.014+/-0.011 χ^2/NDF: 51.8/31

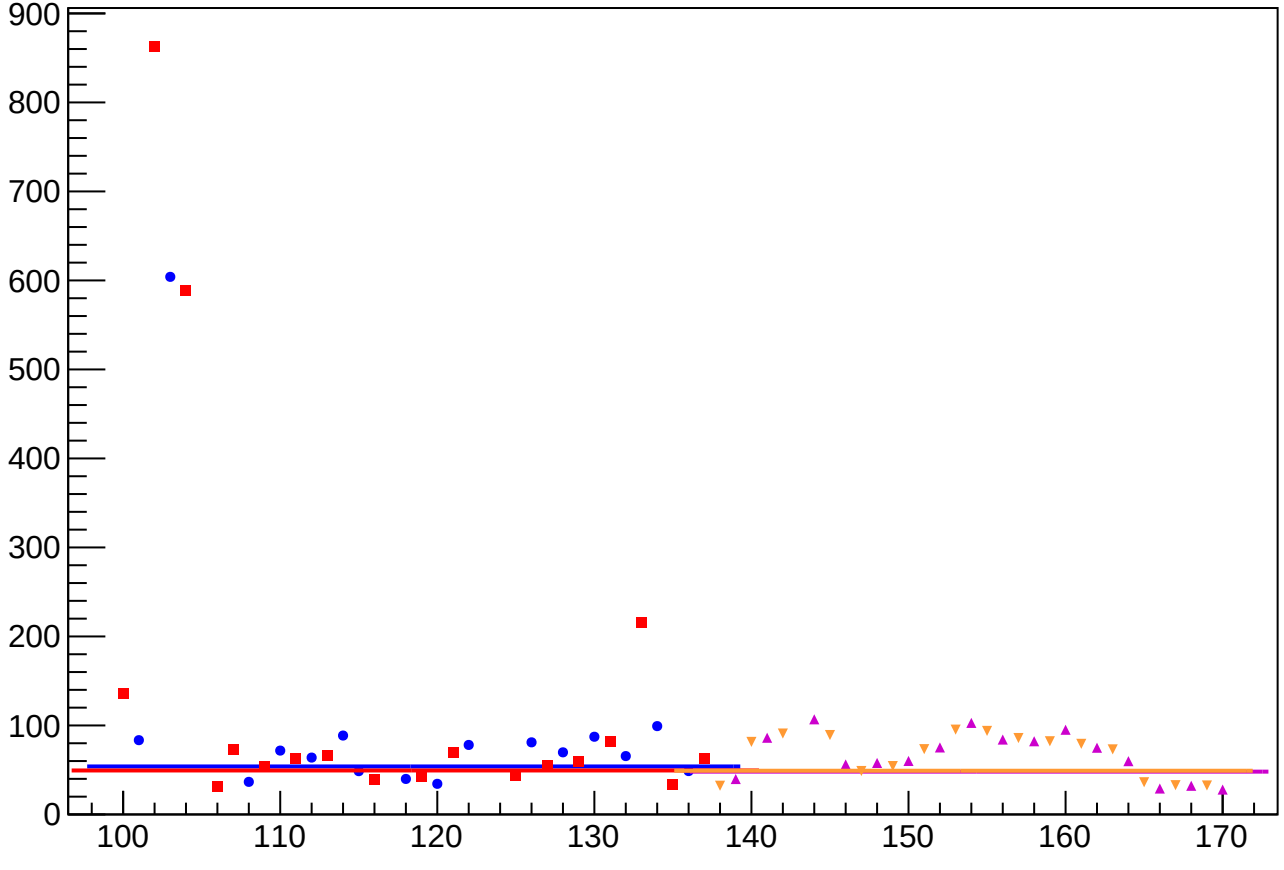
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.022+/-0.013 χ^2/NDF:51.5/33

All: 0.010+/-0.009 χ^2/NDF: 74.6/65

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: 49.111+/-0.011 χ^2/NDF:3826884.7/15

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 48.104+/-0.011 χ^2/NDF:4386630.8/15

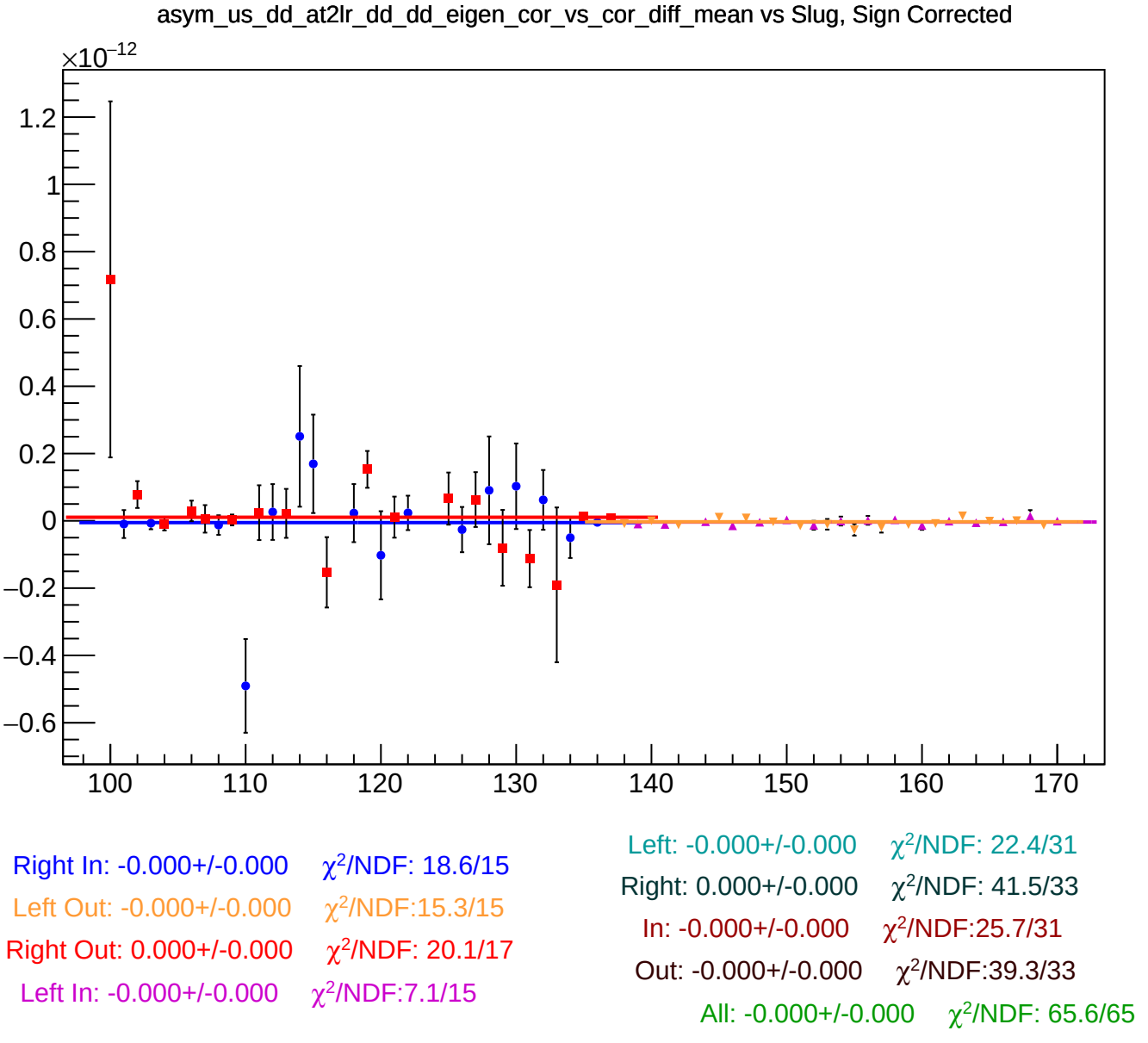
Left: 48.594+/-0.008 χ^2/NDF: 8217736.3/31

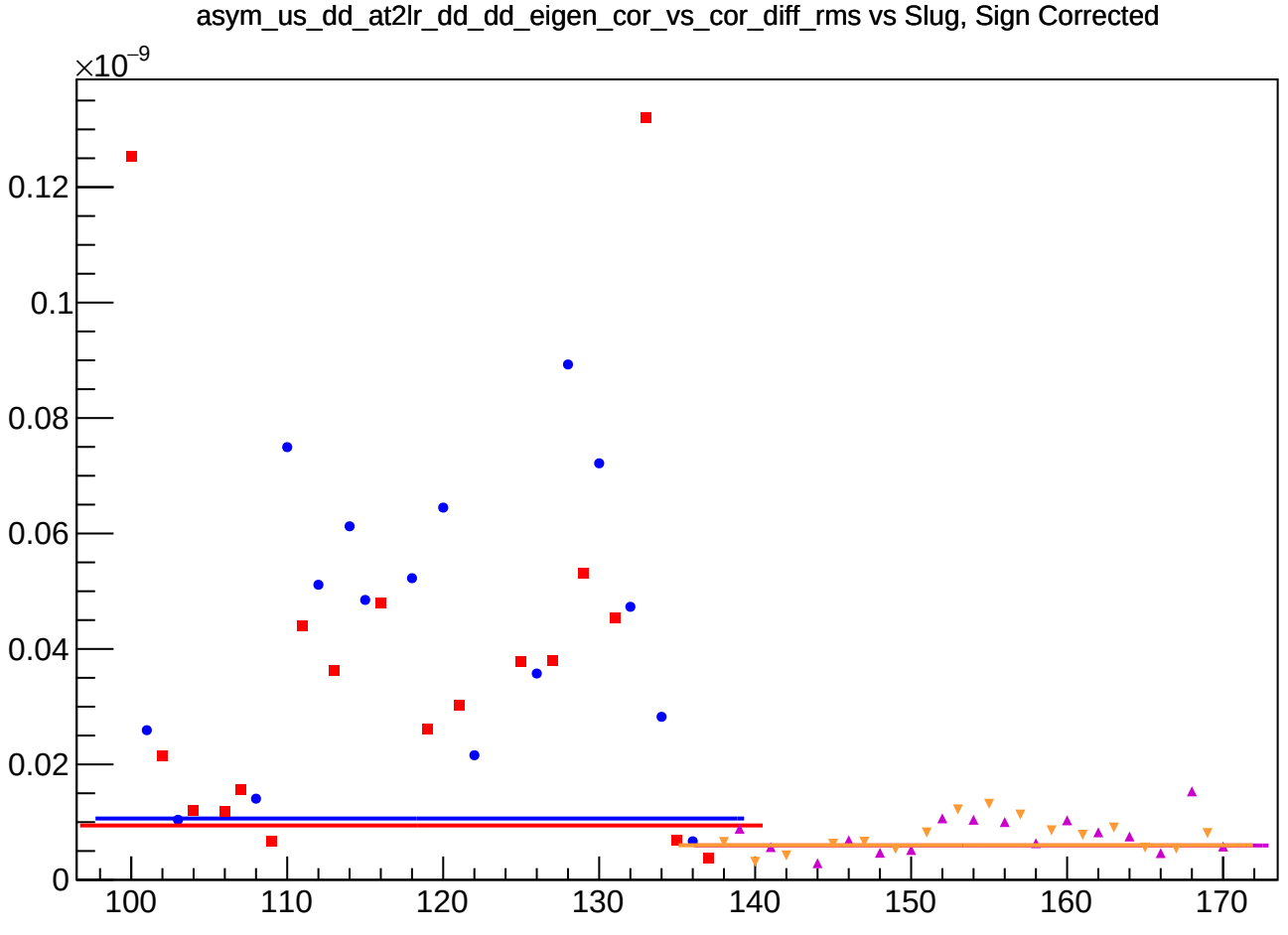
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

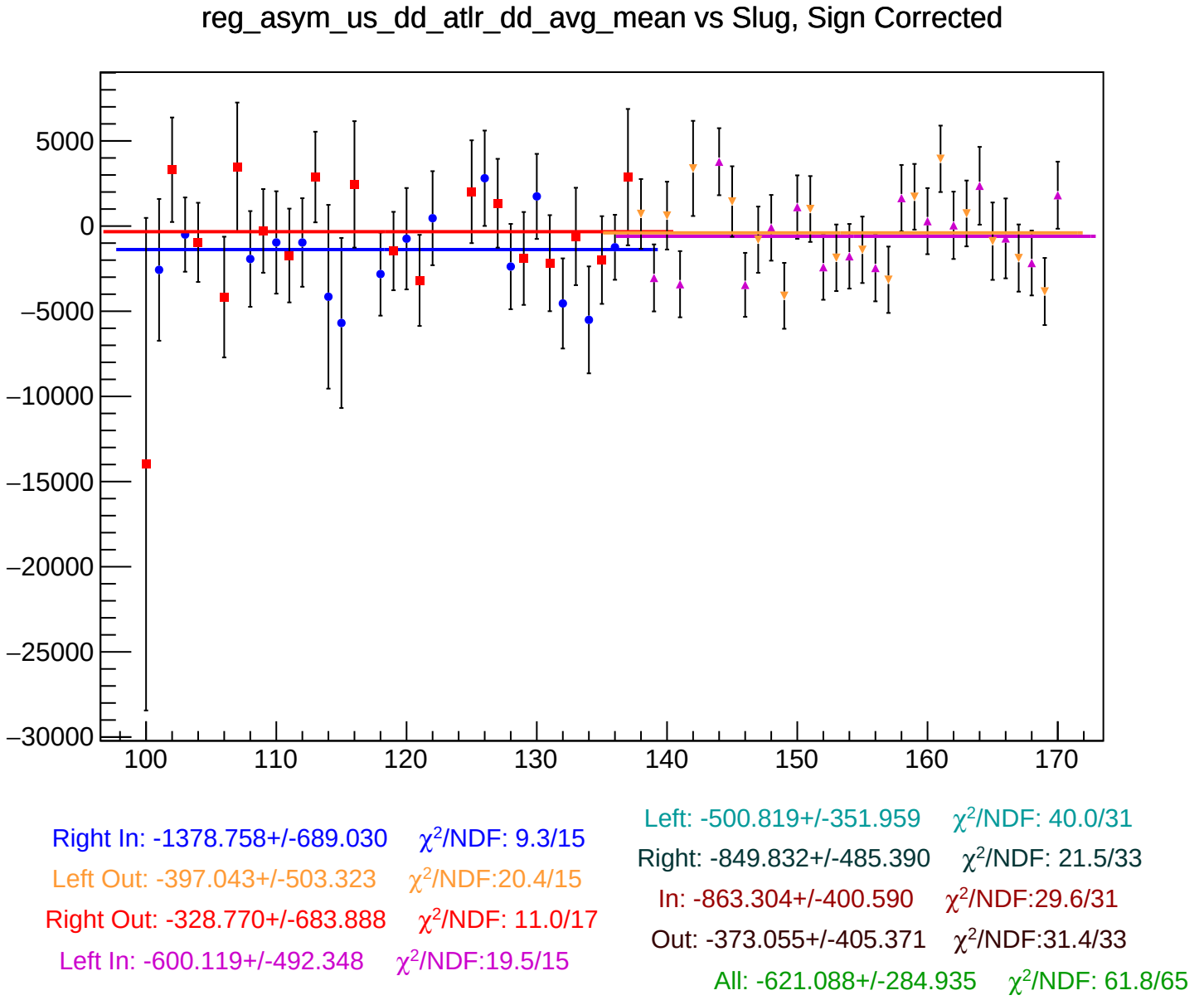
In: 49.880+/-0.009 χ^2/NDF:6688940.8/31

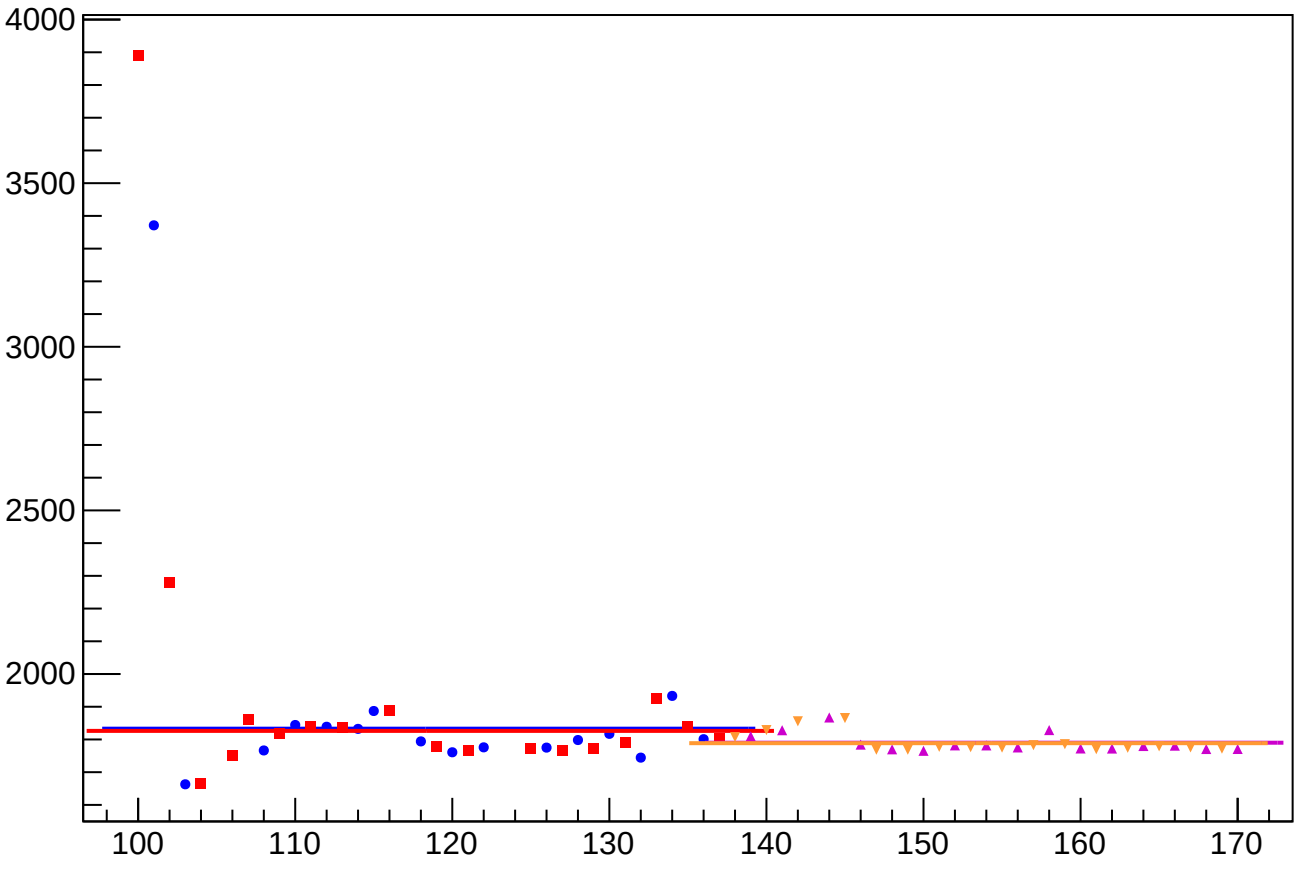
Out: 49.215+/-0.009 χ^2/NDF:6844585.3/33

All: 49.549+/-0.006 χ^2/NDF: 13536227.4/65


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:7.1/15
Left: -0.000+/-0.000 χ²/NDF: 22.4/31
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:25.7/31
Out: -0.000+/-0.000 χ²/NDF:39.3/33
All: -0.000+/-0.000 χ²/NDF: 65.6/65


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2293642.8/15
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:2647178.8/15
Left: 0.000+/-0.000 χ²/NDF: 4941166.2/31
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:8054797.0/31
Out: 0.000+/-0.000 χ²/NDF:6827323.5/33
All: 0.000+/-0.000 χ²/NDF: 14882210.6/65


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -397.043+/-503.323 χ²/NDF:20.4/15
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -600.119+/-492.348 χ²/NDF:19.5/15
Left: -500.819+/-351.959 χ²/NDF: 40.0/31
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -863.304+/-400.590 χ²/NDF:29.6/31
Out: -373.055+/-405.371 χ²/NDF:31.4/33
All: -621.088+/-284.935 χ²/NDF: 61.8/65



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1788.644+/-0.356 χ^2/NDF:6106.2/15

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

Left: 1789.371+/-0.249 χ^2/NDF: 12504.0/31

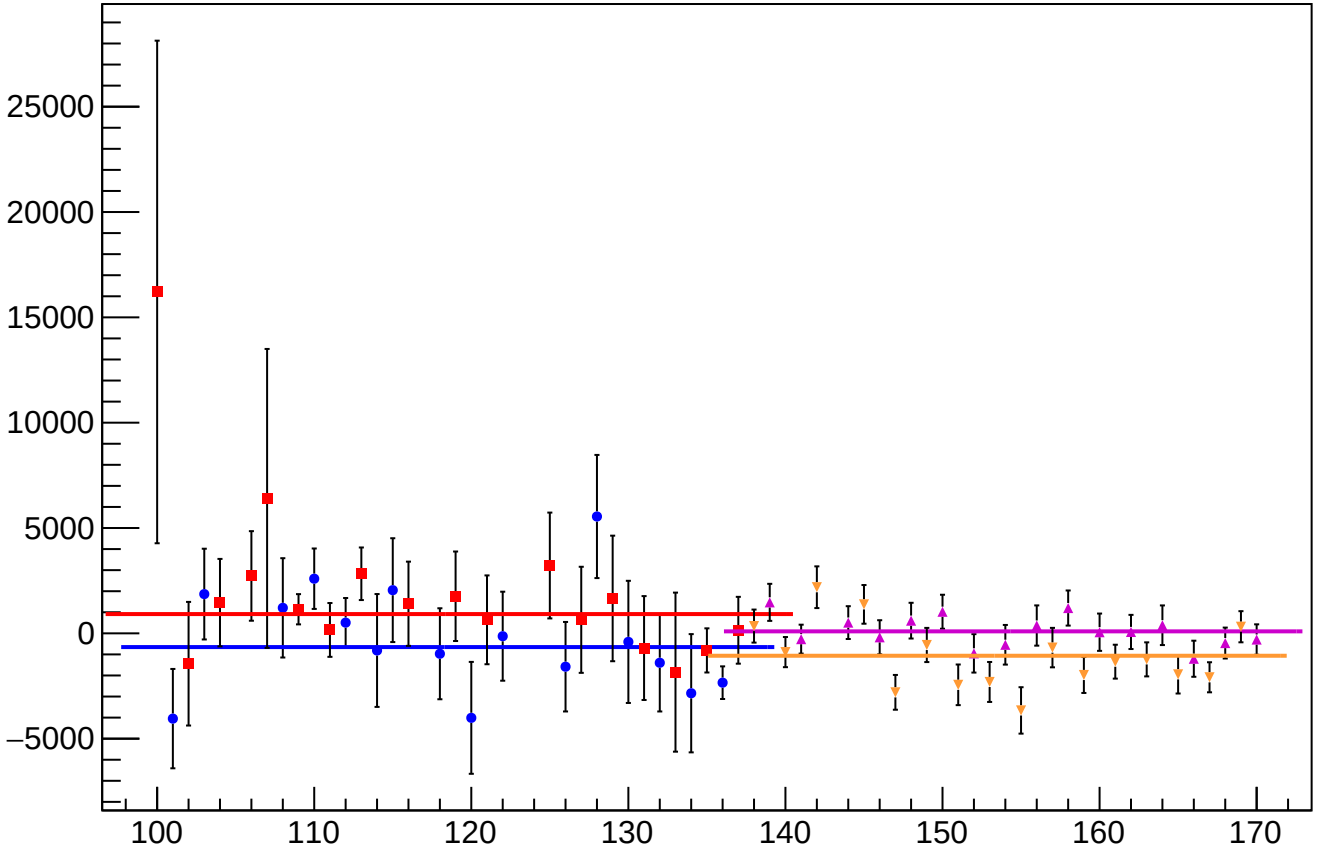
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1804.561+/-0.283 χ^2/NDF:306956.6/31

Out: 1801.842+/-0.287 χ^2/NDF:113026.9/33

All: 1803.217+/-0.201 χ^2/NDF: 420029.0/65

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1063.517+/-211.386 χ^2/NDF:43.2/15

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 94.197+/-206.506 χ^2/NDF:11.7/15

Left: -471.144+/-147.717 χ^2/NDF: 70.3/31

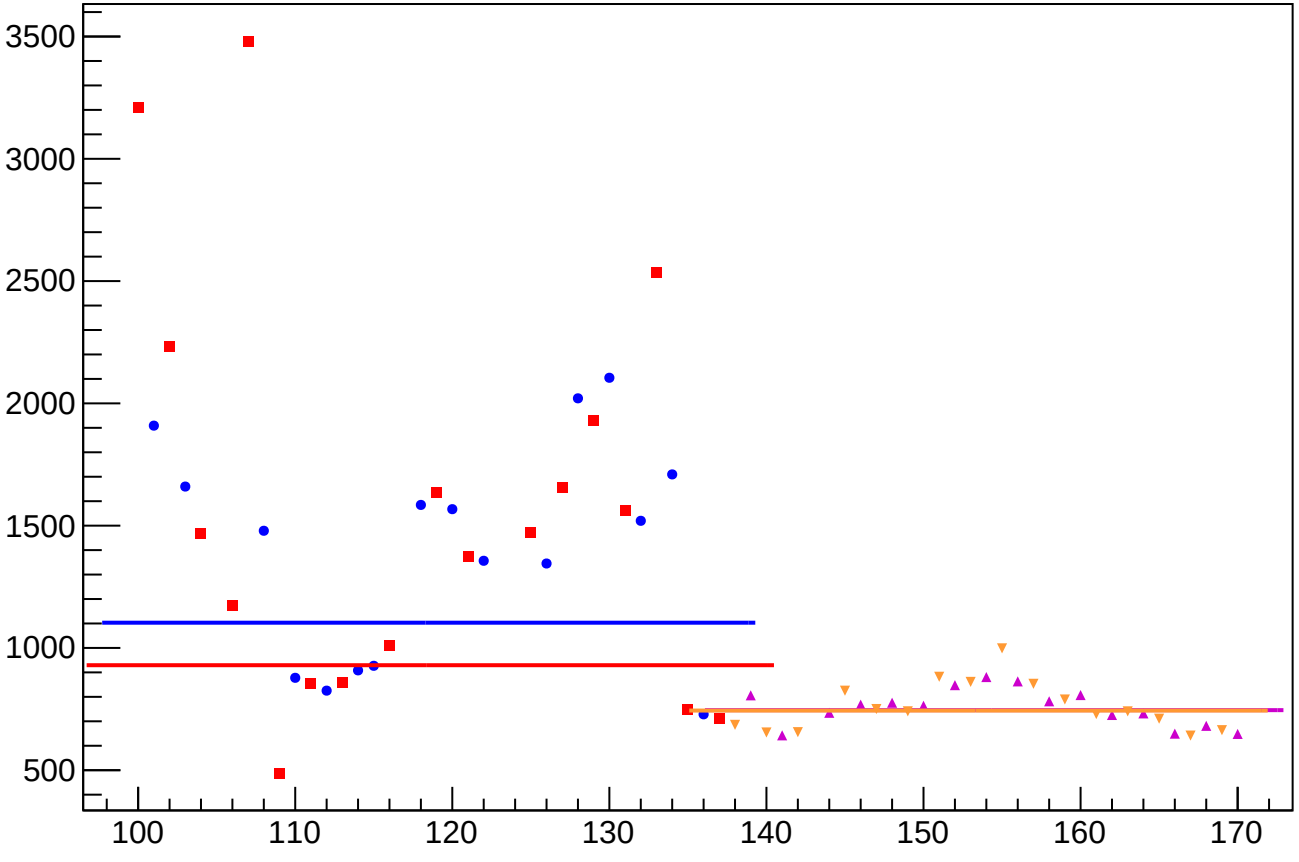
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -39.425+/-187.104 χ^2/NDF:37.3/31

Out: -620.353+/-186.209 χ^2/NDF:74.4/33

All: -331.282+/-131.985 χ^2/NDF: 116.5/65

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: 743.931+/-0.149 χ^2/NDF:353311.5/15

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 745.610+/-0.146 χ^2/NDF:248600.5/15

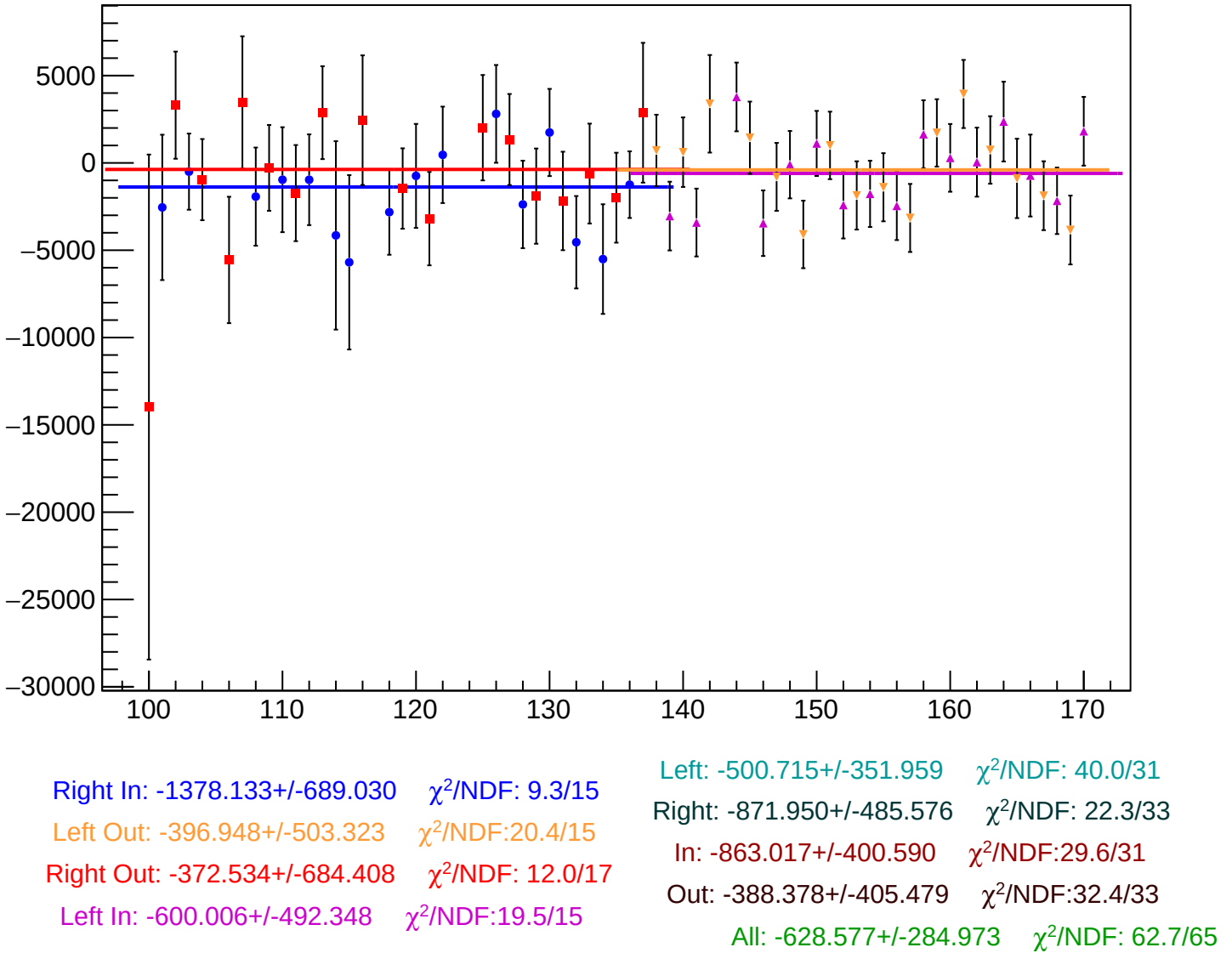
Left: 744.790+/-0.104 χ^2/NDF: 601976.5/31

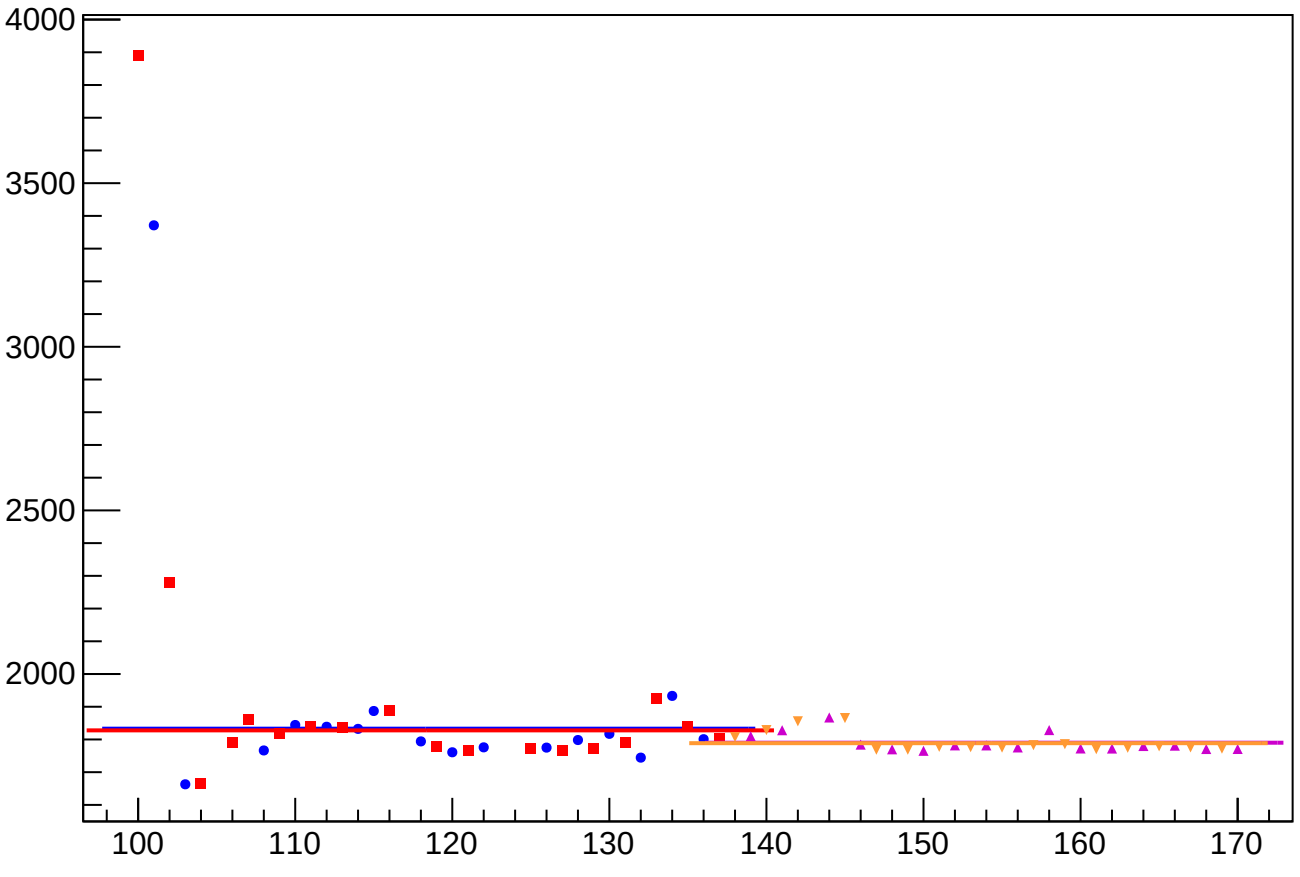
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 809.646+/-0.132 χ^2/NDF:3200641.9/31

Out: 785.470+/-0.132 χ^2/NDF:3752154.3/33

All: 797.500+/-0.093 χ^2/NDF: 6969571.4/65


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -396.948+/-503.323 χ²/NDF:20.4/15
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -600.006+/-492.348 χ²/NDF:19.5/15
Left: -500.715+/-351.959 χ²/NDF: 40.0/31
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -863.017+/-400.590 χ²/NDF:29.6/31
Out: -388.378+/-405.479 χ²/NDF:32.4/33
All: -628.577+/-284.973 χ²/NDF: 62.7/65



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1788.644+/-0.356 χ^2/NDF:6106.2/15

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

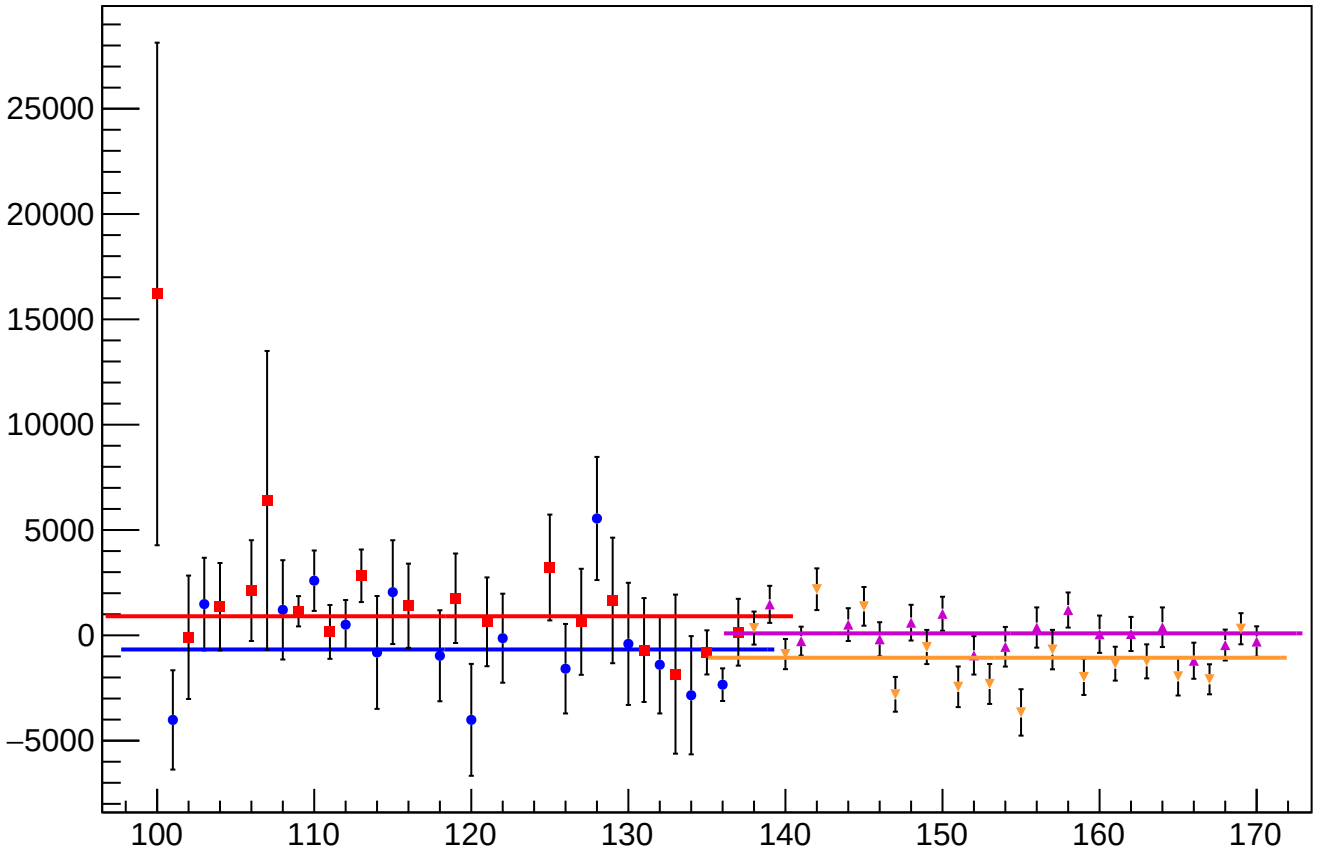
Left: 1789.371+/-0.249 χ^2/NDF: 12504.0/31

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1804.561+/-0.283 χ^2/NDF:306958.4/31

Out: 1802.382+/-0.287 χ^2/NDF:112621.9/33

All: 1803.485+/-0.202 χ^2/NDF: 419609.6/65



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1063.562+/-211.387 χ^2/NDF:43.2/15

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 94.128+/-206.506 χ^2/NDF:11.7/15

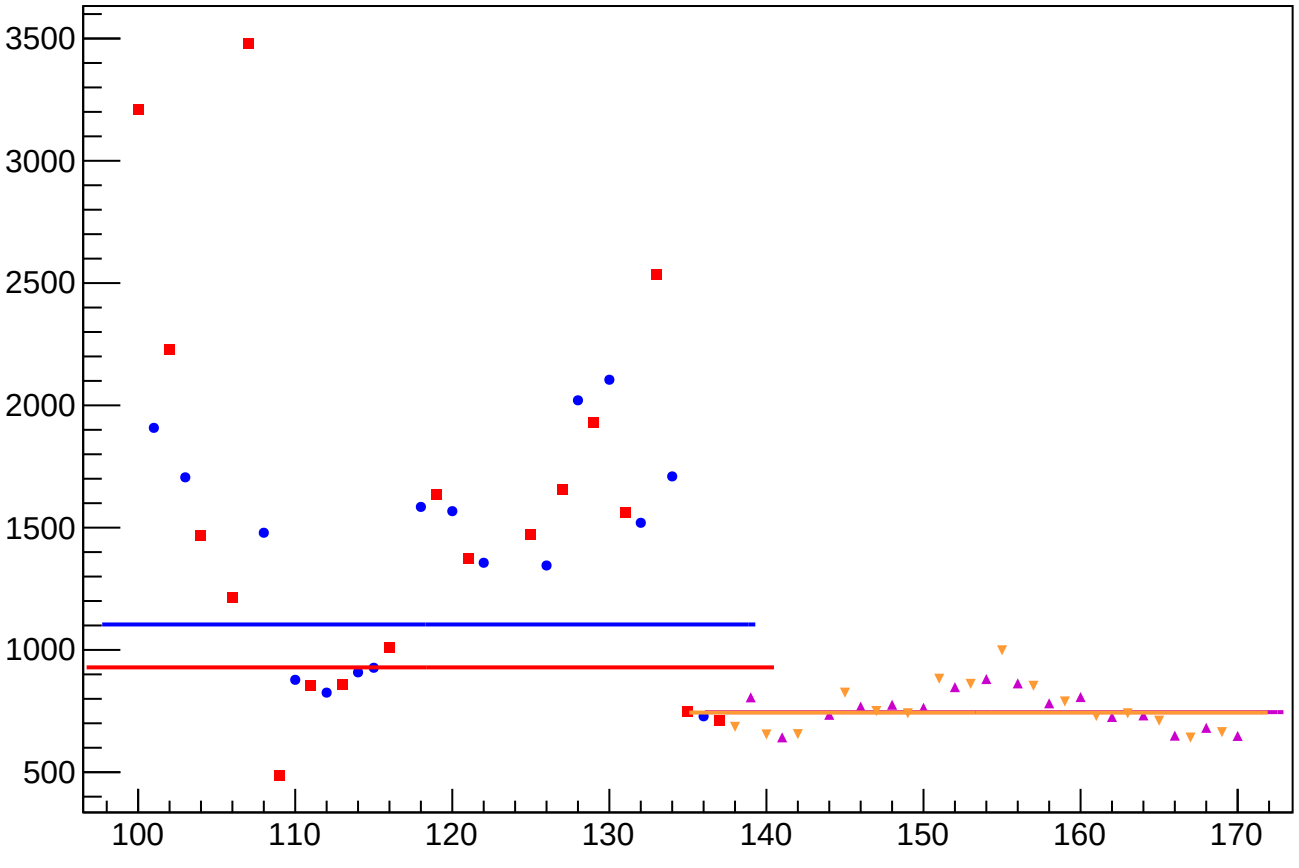
Left: -471.198+/-147.717 χ^2/NDF: 70.3/31

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -42.623+/-187.132 χ^2/NDF:36.9/31

Out: -624.781+/-186.357 χ^2/NDF:73.1/33

All: -334.910+/-132.047 χ^2/NDF: 114.9/65



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 743.935+/-0.149 χ^2/NDF:353284.9/15

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 745.609+/-0.146 χ^2/NDF:248682.7/15

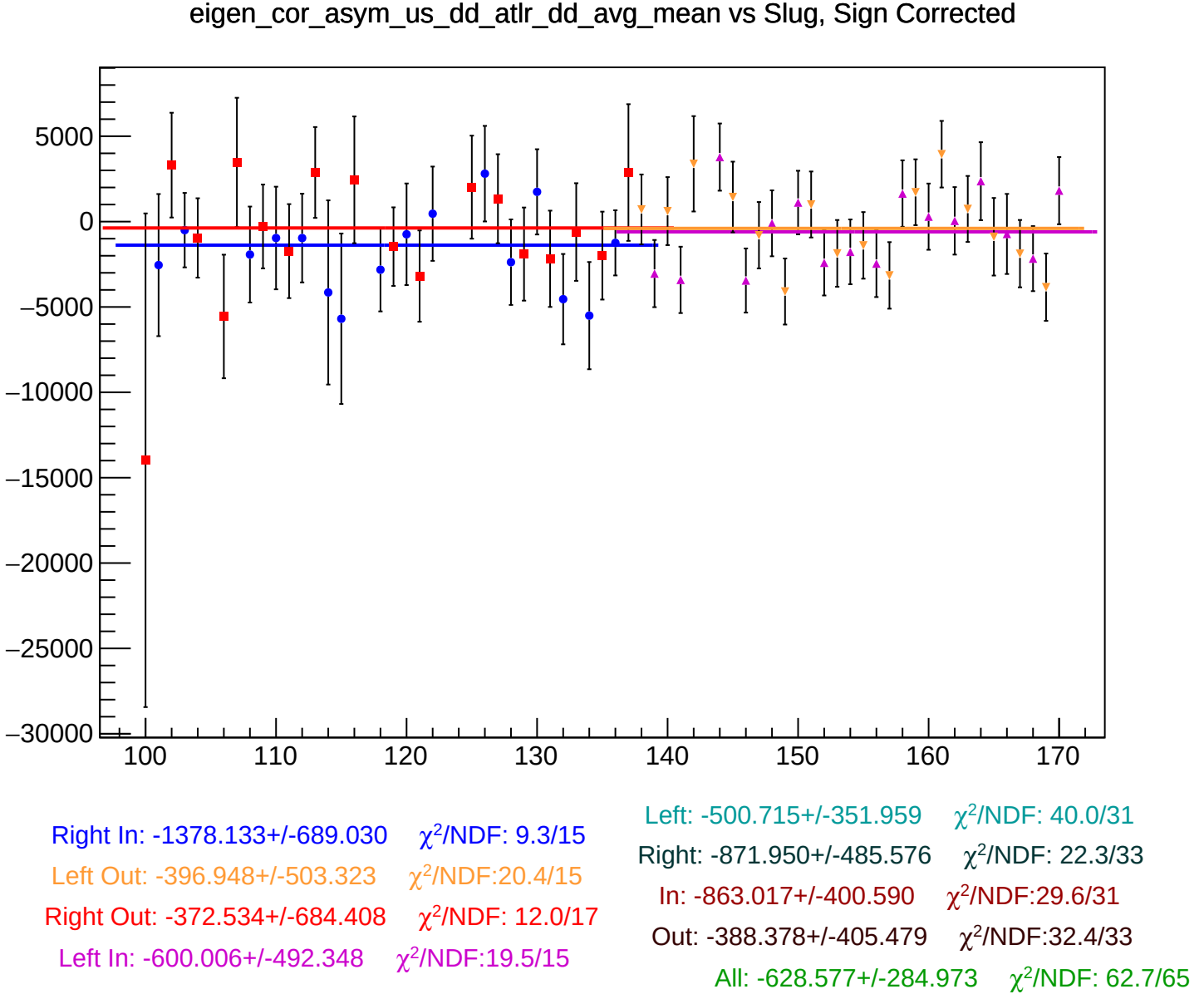
Left: 744.792+/-0.104 χ^2/NDF: 602031.8/31

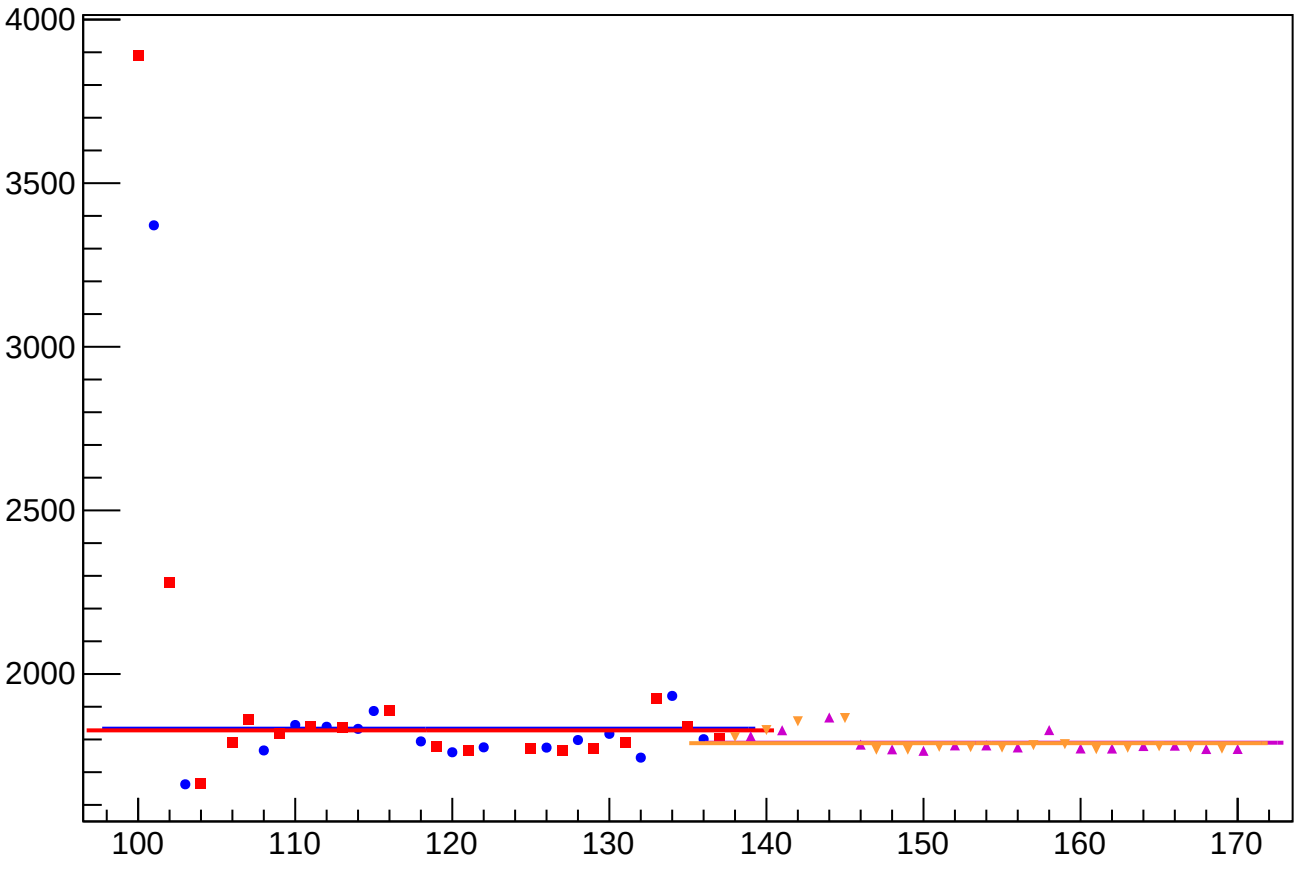
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 809.721+/-0.132 χ^2/NDF:3221079.0/31

Out: 785.084+/-0.132 χ^2/NDF:3747825.7/33

All: 797.352+/-0.093 χ^2/NDF: 6986310.1/65


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -396.948+/-503.323 χ²/NDF:20.4/15
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -600.006+/-492.348 χ²/NDF:19.5/15
Left: -500.715+/-351.959 χ²/NDF: 40.0/31
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -863.017+/-400.590 χ²/NDF:29.6/31
Out: -388.378+/-405.479 χ²/NDF:32.4/33
All: -628.577+/-284.973 χ²/NDF: 62.7/65



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1788.644+/-0.356 χ^2/NDF:6106.2/15

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

Left: 1789.371+/-0.249 χ^2/NDF: 12504.0/31

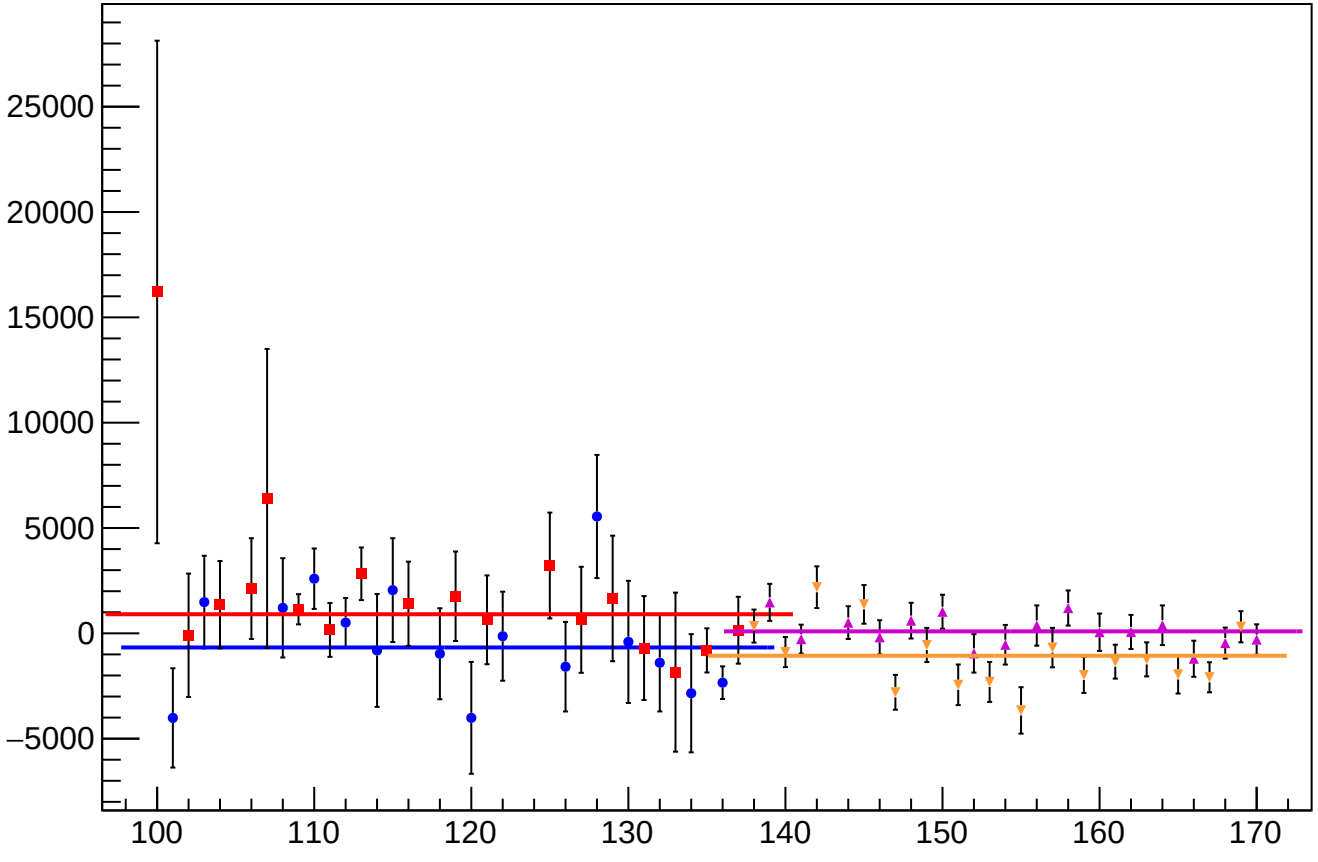
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1804.561+/-0.283 χ^2/NDF:306958.4/31

Out: 1802.382+/-0.287 χ^2/NDF:112621.9/33

All: 1803.485+/-0.202 χ^2/NDF: 419609.6/65

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: -1063.562+/-211.387 χ^2/NDF:43.2/15

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 94.128+/-206.506 χ^2/NDF:11.7/15

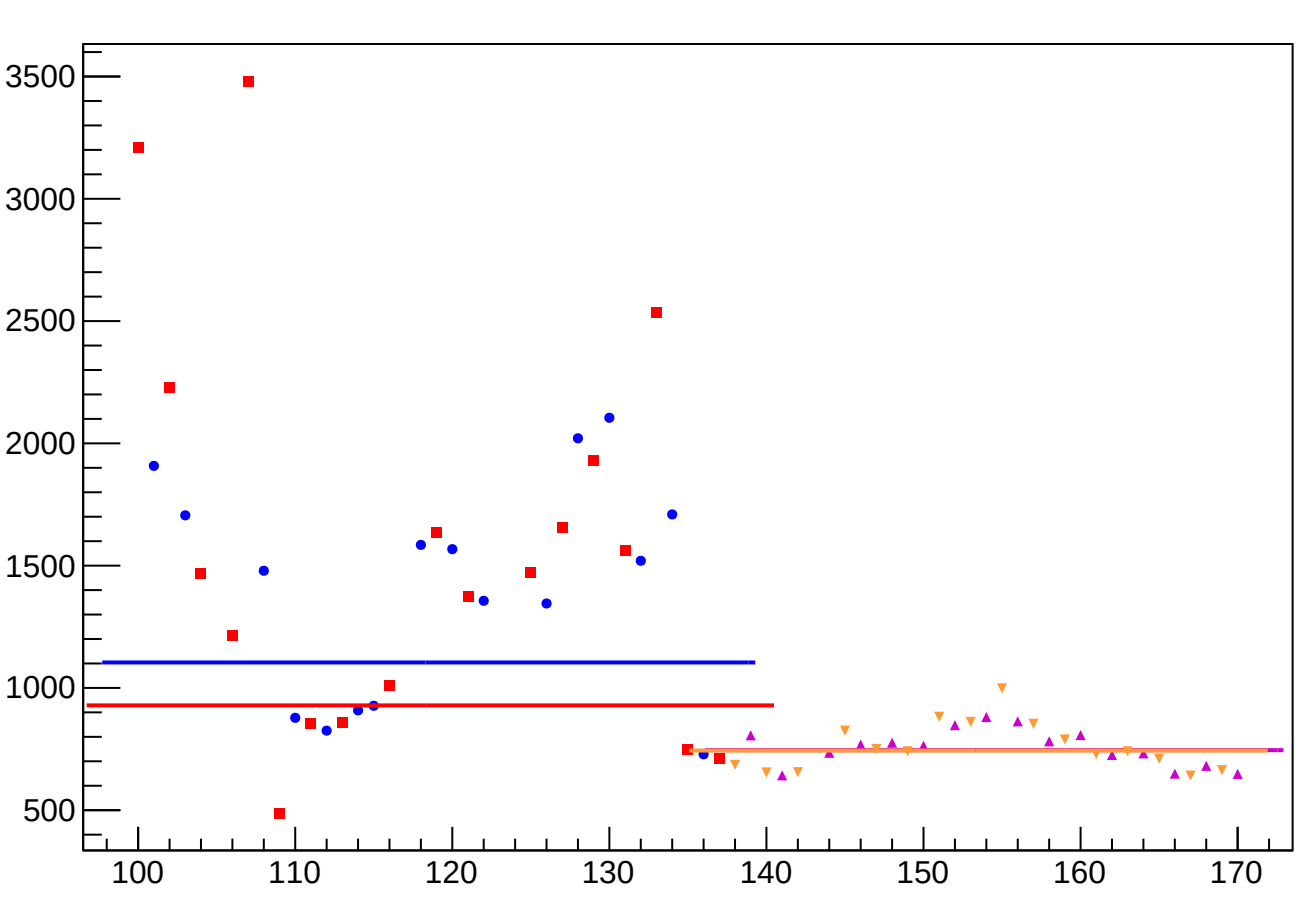
Left: -471.198+/-147.717 χ^2/NDF: 70.3/31

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -42.623+/-187.132 χ^2/NDF:36.9/31

Out: -624.781+/-186.357 χ^2/NDF:73.1/33

All: -334.910+/-132.047 χ^2/NDF: 114.9/65



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 743.935+/-0.149 χ^2/NDF:353284.9/15

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 745.609+/-0.146 χ^2/NDF:248682.7/15

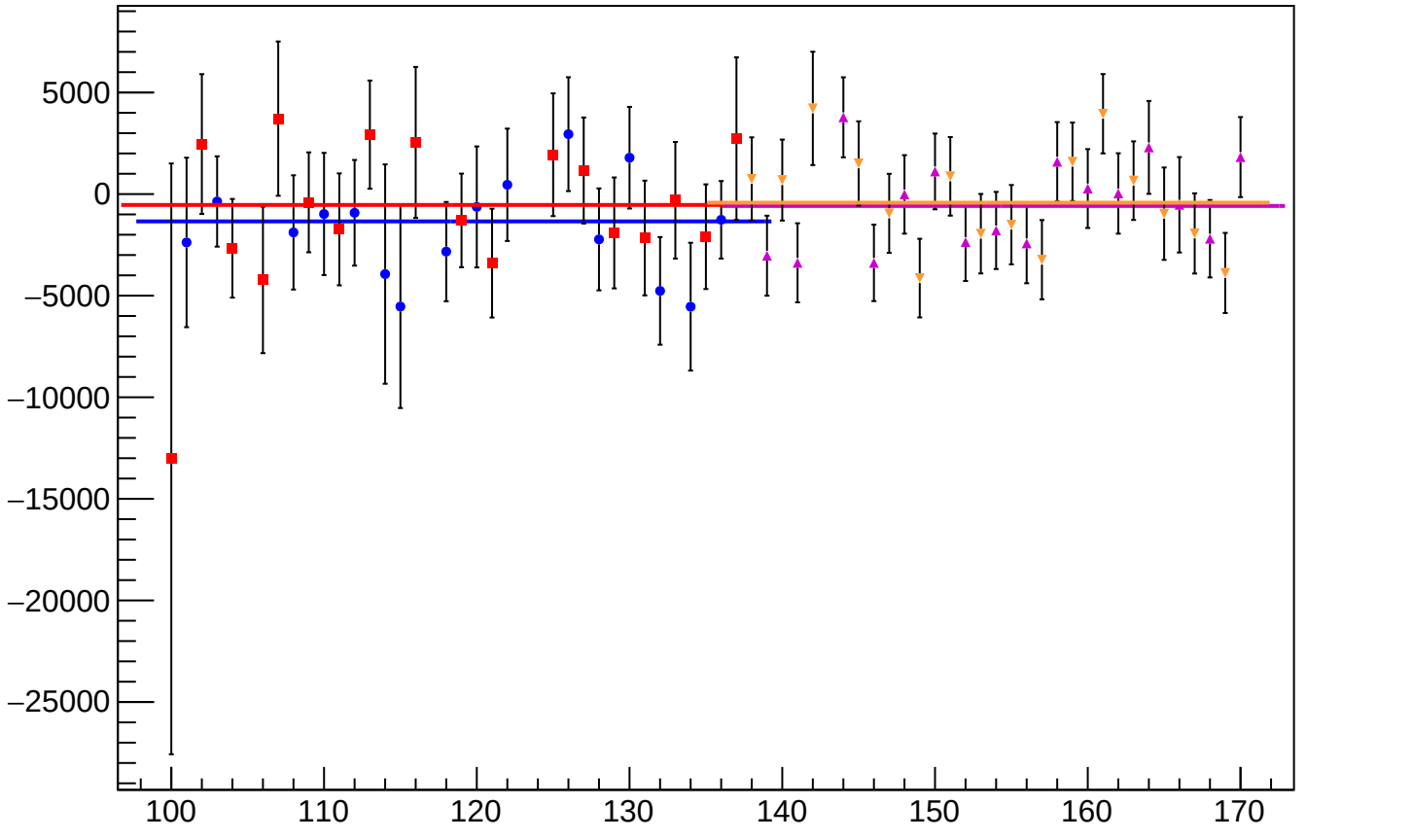
Left: 744.792+/-0.104 χ^2/NDF: 602031.8/31

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 809.721+/-0.132 χ^2/NDF:3221079.0/31

Out: 785.084+/-0.132 χ^2/NDF:3747825.7/33

All: 797.352+/-0.093 χ^2/NDF: 6986310.1/65



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -423.219+/-503.643 χ^2/NDF:21.6/15

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -584.009+/-492.684 χ^2/NDF:19.1/15

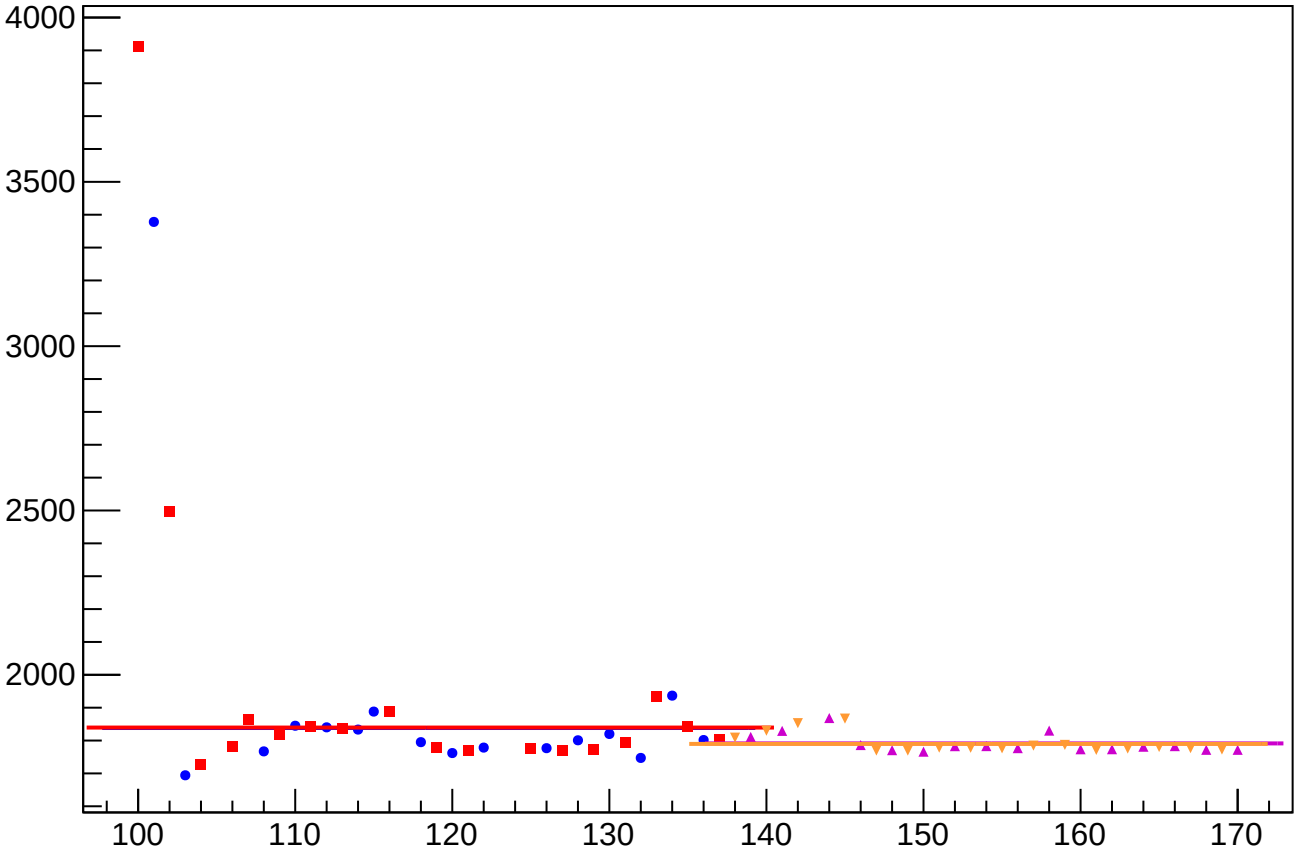
Left: -505.382+/-352.191 χ^2/NDF: 40.8/31

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -840.164+/-401.145 χ^2/NDF:29.6/31

Out: -461.722+/-407.001 χ^2/NDF:32.7/33

All: -653.685+/-285.700 χ^2/NDF: 62.7/65



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1789.775+/-0.356 χ^2/NDF:6013.3/15

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1791.282+/-0.348 χ^2/NDF:6429.7/15

Left: 1790.545+/-0.249 χ^2/NDF: 12452.1/31

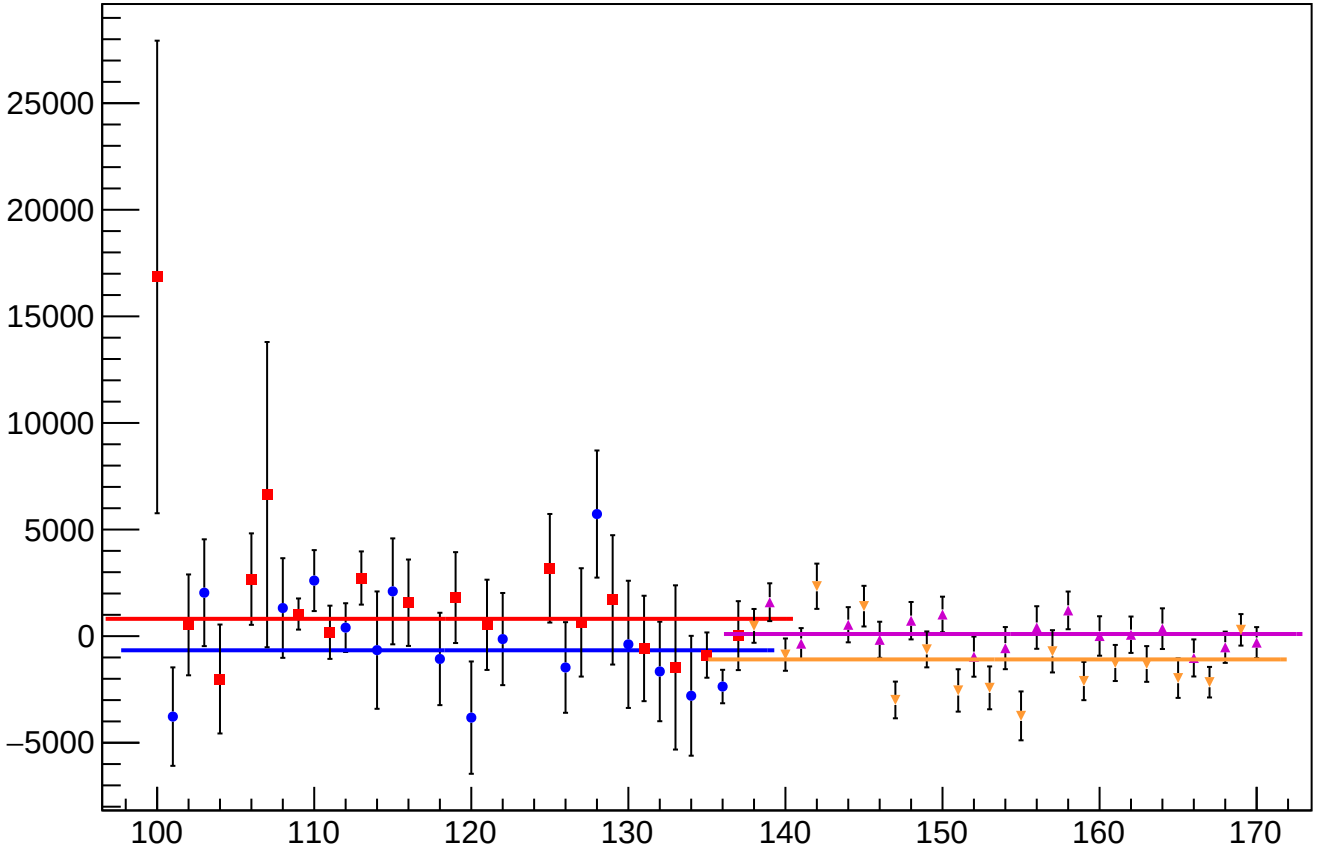
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1807.083+/-0.284 χ^2/NDF:304516.6/31

Out: 1807.033+/-0.288 χ^2/NDF:141035.5/33

All: 1807.059+/-0.202 χ^2/NDF: 445552.1/65

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1091.190+/-218.953 χ^2/NDF:43.9/15

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 100.293+/-213.628 χ^2/NDF:11.5/15

Left: -480.785+/-152.906 χ^2/NDF: 70.6/31

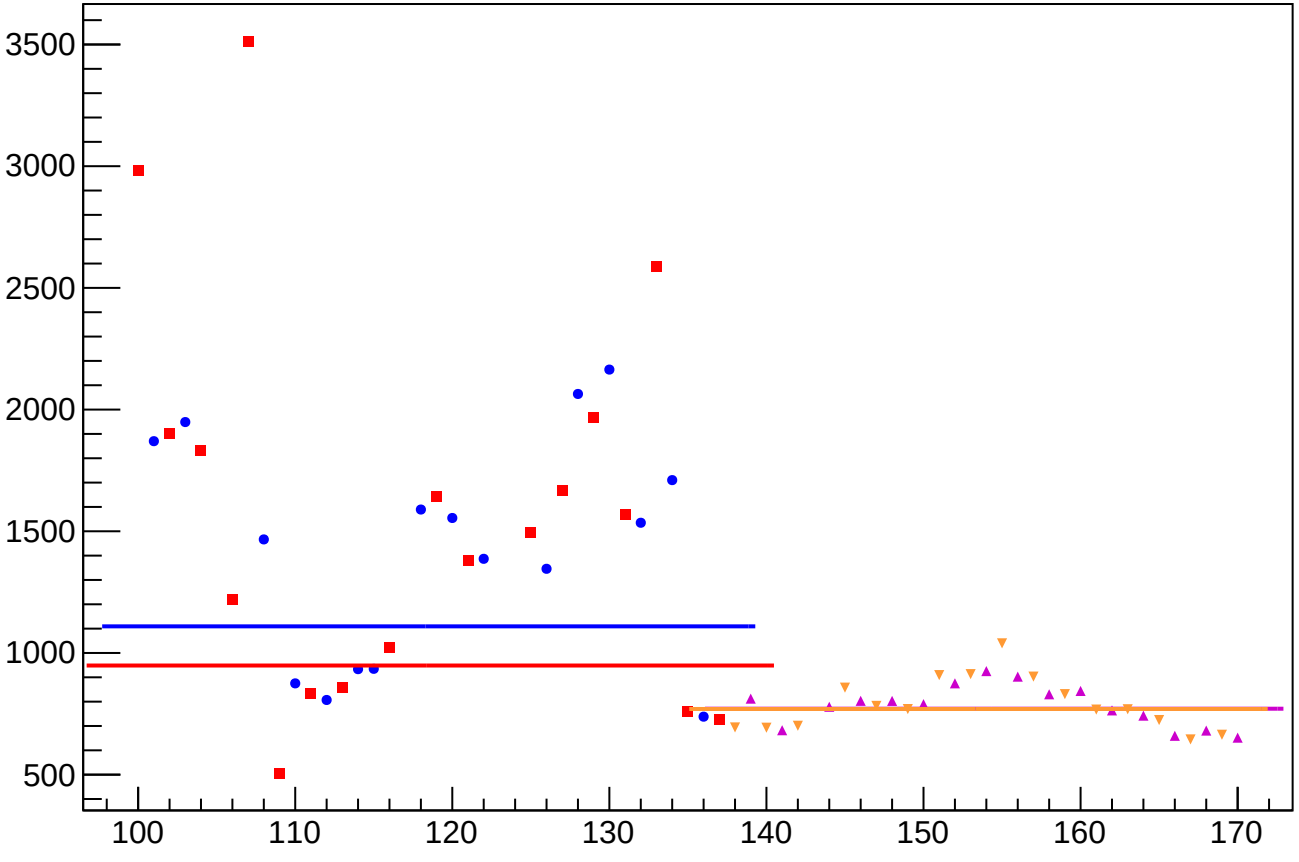
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -42.289+/-192.659 χ^2/NDF:36.6/31

Out: -647.586+/-191.748 χ^2/NDF:73.8/33

All: -346.372+/-135.907 χ^2/NDF: 115.4/65

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: 769.893+/-0.155 χ^2/NDF:407009.2/15

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 770.981+/-0.151 χ^2/NDF:288766.3/15

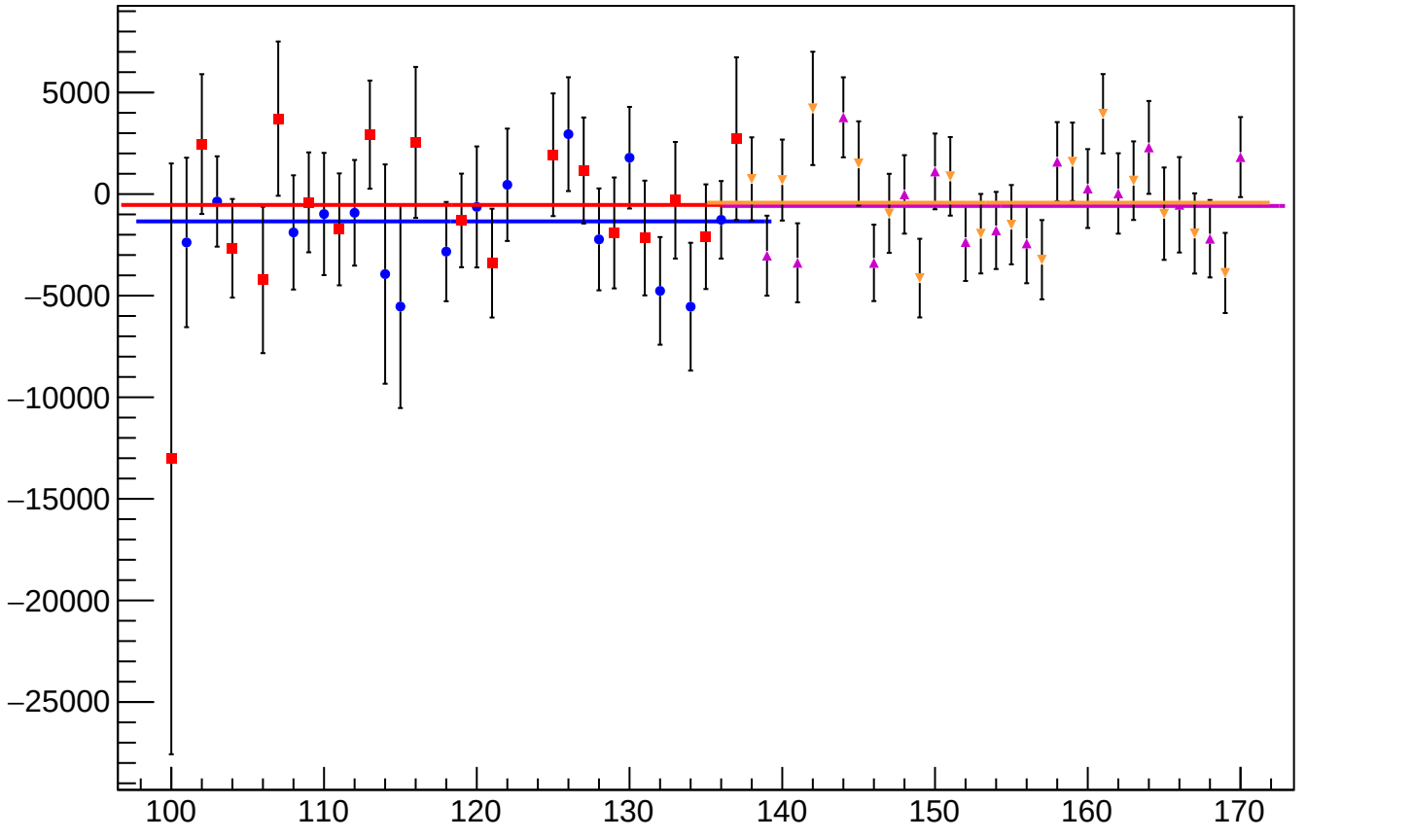
Left: 770.451+/-0.108 χ^2/NDF: 695800.8/31

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 834.150+/-0.136 χ^2/NDF:3198874.0/31

Out: 811.505+/-0.136 χ^2/NDF:3770632.0/33

All: 822.774+/-0.096 χ^2/NDF: 6983386.5/65



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -423.218+/-503.643 χ^2/NDF:21.6/15

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -584.008+/-492.684 χ^2/NDF:19.1/15

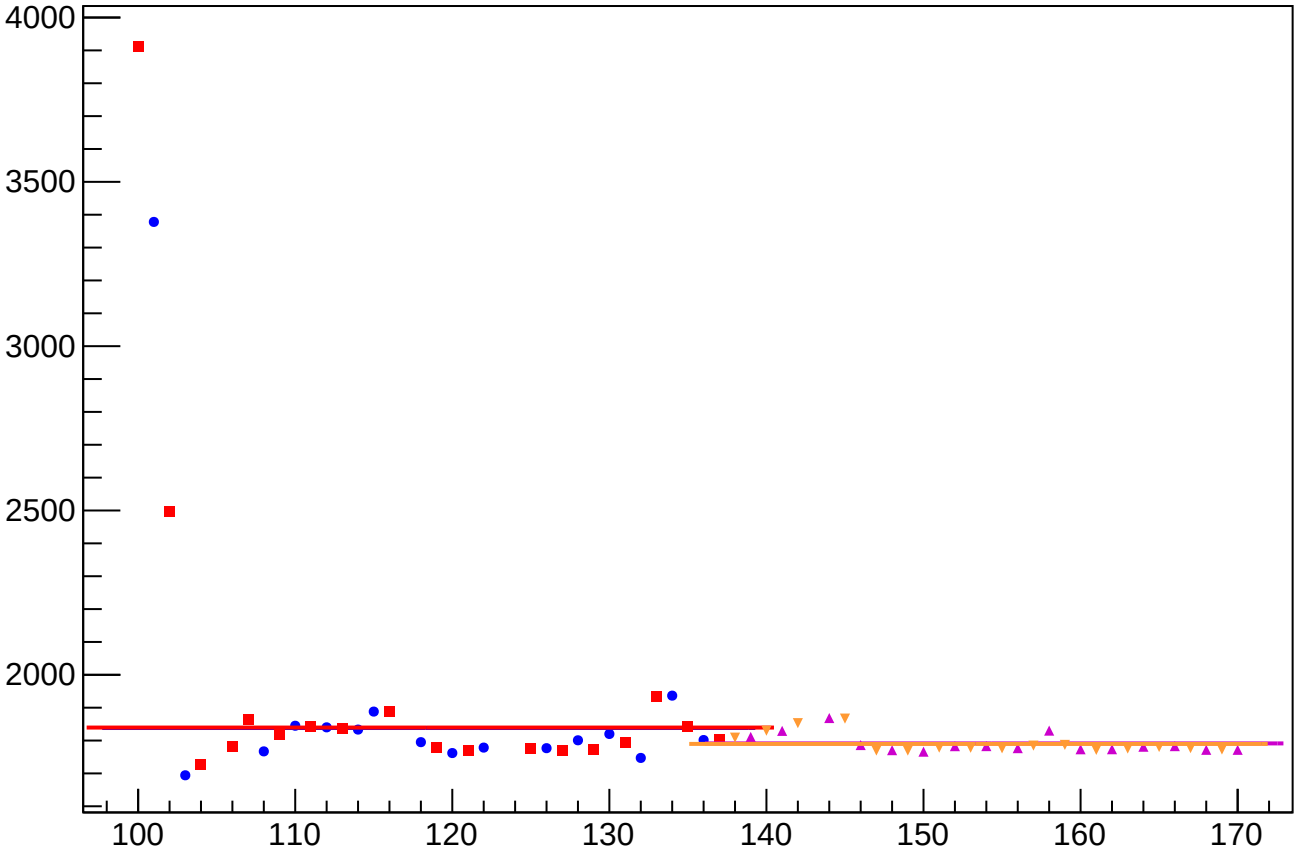
Left: -505.381+/-352.191 χ^2/NDF: 40.8/31

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -840.165+/-401.145 χ^2/NDF:29.6/31

Out: -461.723+/-407.001 χ^2/NDF:32.7/33

All: -653.686+/-285.700 χ^2/NDF: 62.7/65



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1789.775+/-0.356 χ^2/NDF:6013.3/15

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1791.282+/-0.348 χ^2/NDF:6429.7/15

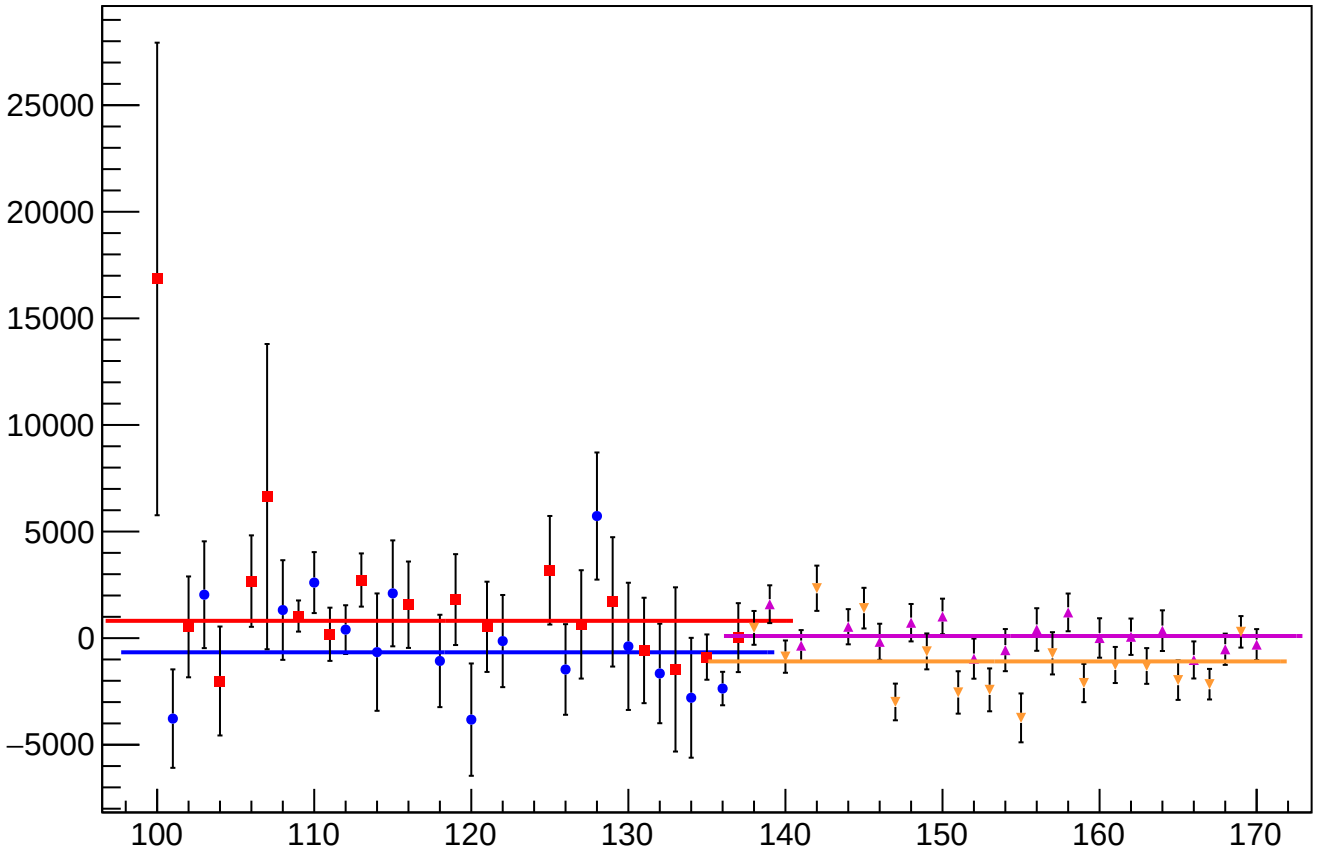
Left: 1790.545+/-0.249 χ^2/NDF: 12452.1/31

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1807.083+/-0.284 χ^2/NDF:304516.5/31

Out: 1807.033+/-0.288 χ^2/NDF:141035.6/33

All: 1807.059+/-0.202 χ^2/NDF: 445552.2/65



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1091.196+/-218.953 χ^2/NDF:43.9/15

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 100.290+/-213.628 χ^2/NDF:11.5/15

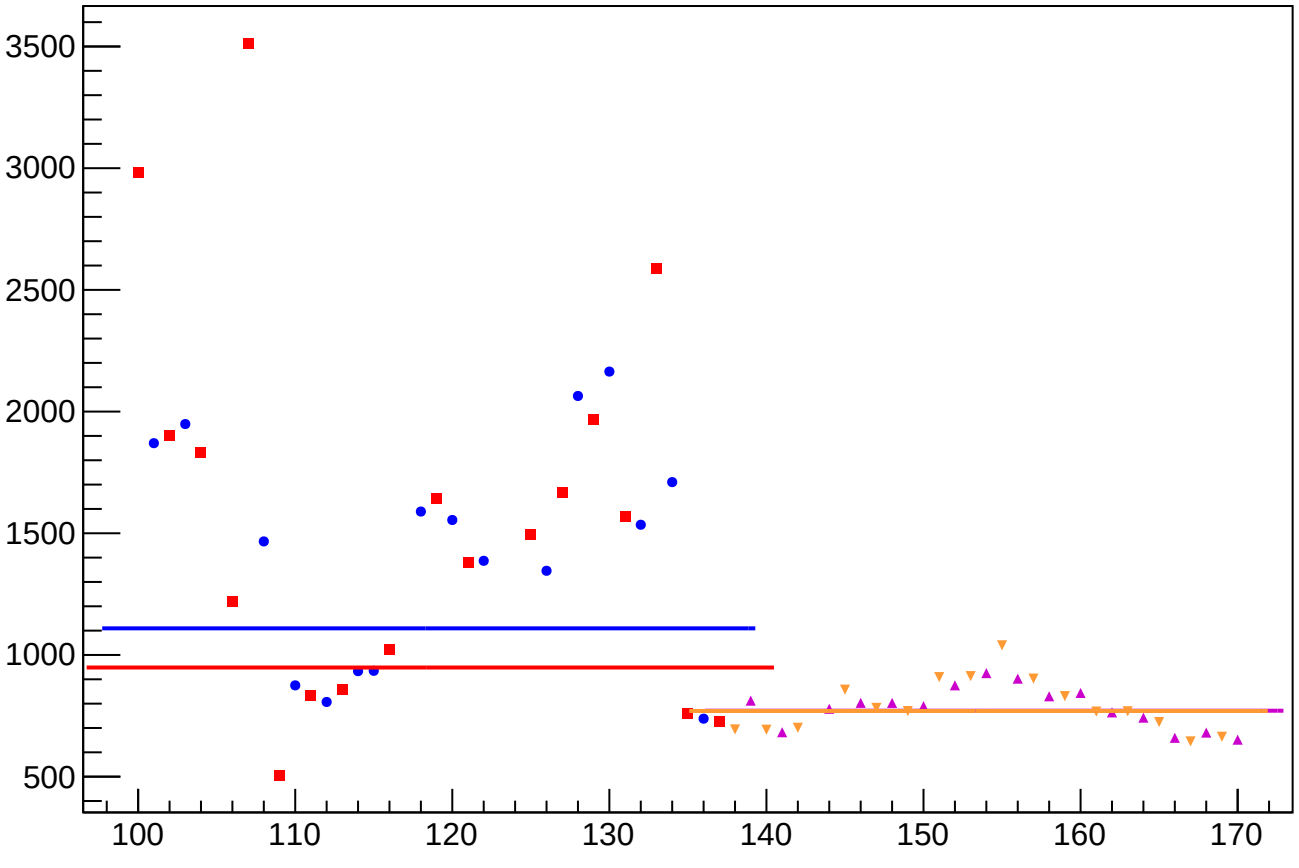
Left: -480.788+/-152.906 χ^2/NDF: 70.6/31

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -42.289+/-192.659 χ^2/NDF:36.6/31

Out: -647.589+/-191.748 χ^2/NDF:73.8/33

All: -346.373+/-135.907 χ^2/NDF: 115.4/65



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 769.894+/-0.155 χ^2/NDF:407001.1/15

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 770.981+/-0.151 χ^2/NDF:288774.0/15

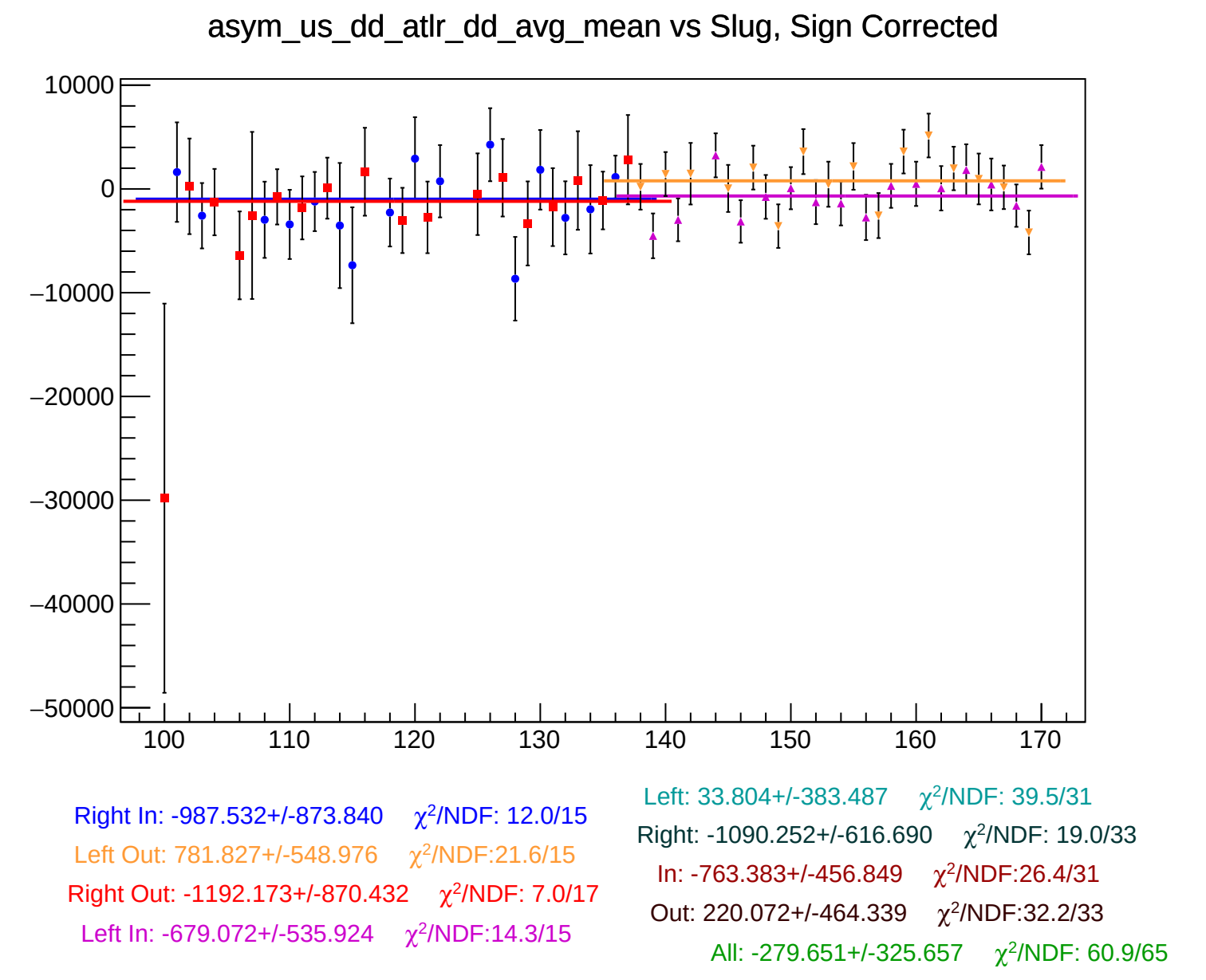
Left: 770.451+/-0.108 χ^2/NDF: 695800.3/31

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

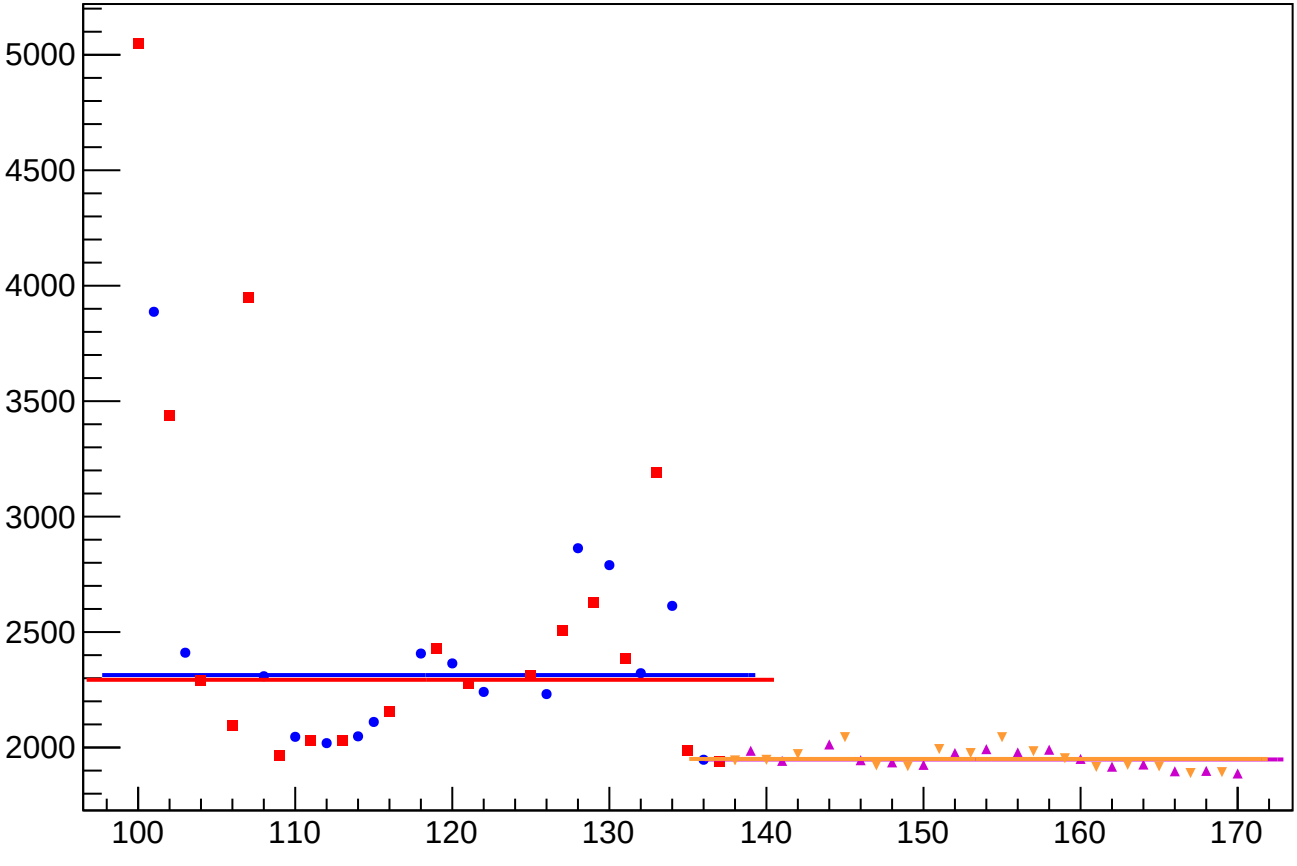
In: 834.150+/-0.136 χ^2/NDF:3198857.5/31

Out: 811.507+/-0.136 χ^2/NDF:3770602.1/33

All: 822.775+/-0.096 χ^2/NDF: 6983338.9/65


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -987.532+/-873.840 χ²/NDF: 12.0/15
Left Out: 781.827+/-548.976 χ²/NDF:21.6/15
Right Out: -1192.173+/-870.432 χ²/NDF: 7.0/17
Left In: -679.072+/-535.924 χ²/NDF:14.3/15
Left: 33.804+/-383.487 χ²/NDF: 39.5/31
Right: -1090.252+/-616.690 χ²/NDF: 19.0/33
In: -763.383+/-456.849 χ²/NDF:26.4/31
Out: 220.072+/-464.339 χ²/NDF:32.2/33
All: -279.651+/-325.657 χ²/NDF: 60.9/65

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: 1950.490+/-0.388 χ^2/NDF:13761.3/15

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1948.269+/-0.379 χ^2/NDF:9525.1/15

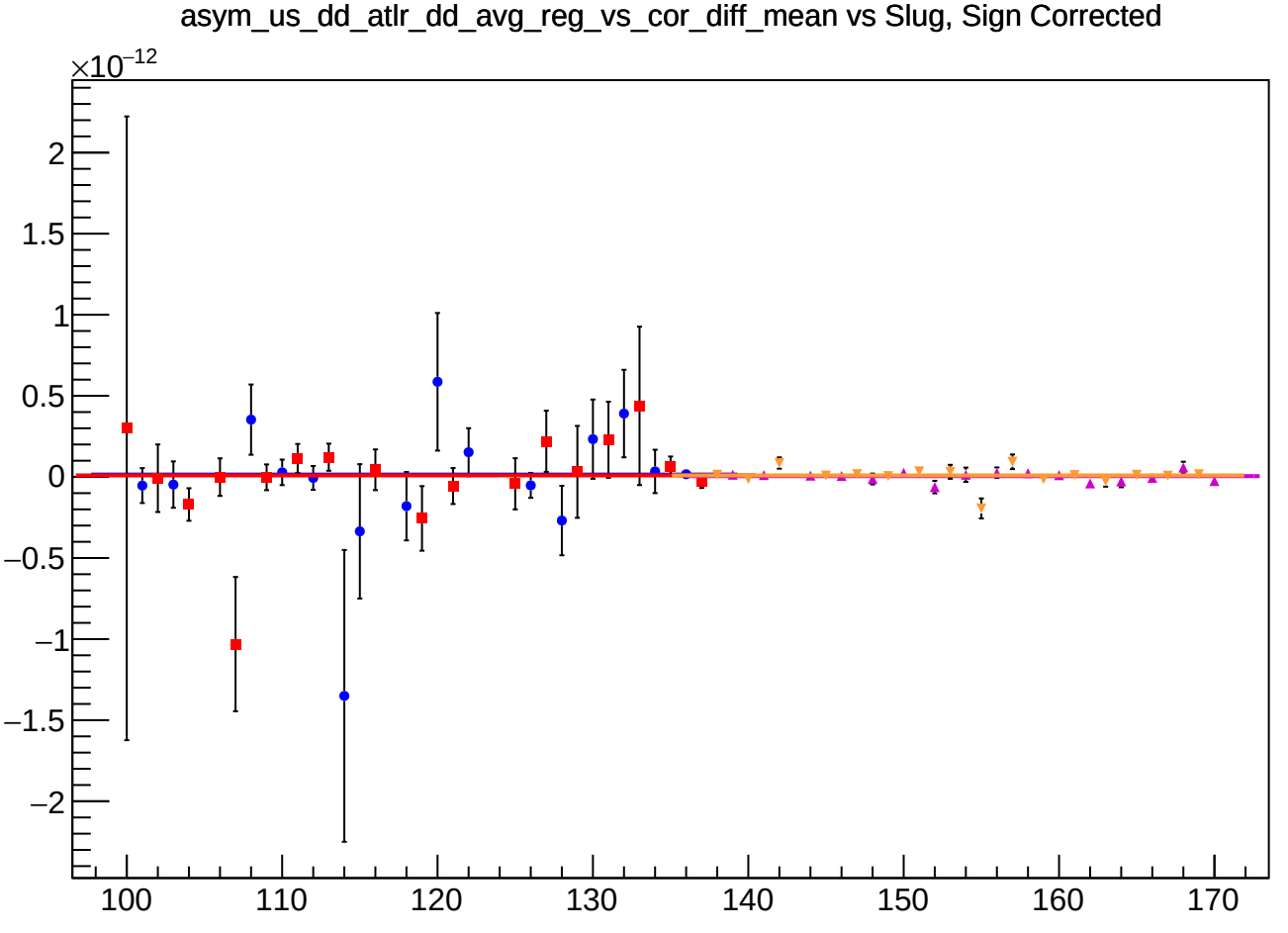
Left: 1949.352+/-0.271 χ^2/NDF: 23303.1/31

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2048.162+/-0.323 χ^2/NDF:666504.8/31

Out: 2048.039+/-0.328 χ^2/NDF:688869.5/33

All: 2048.102+/-0.230 χ^2/NDF: 1355374.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/15

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/15

Left: 0.000+/-0.000 χ^2/NDF: 37.6/31

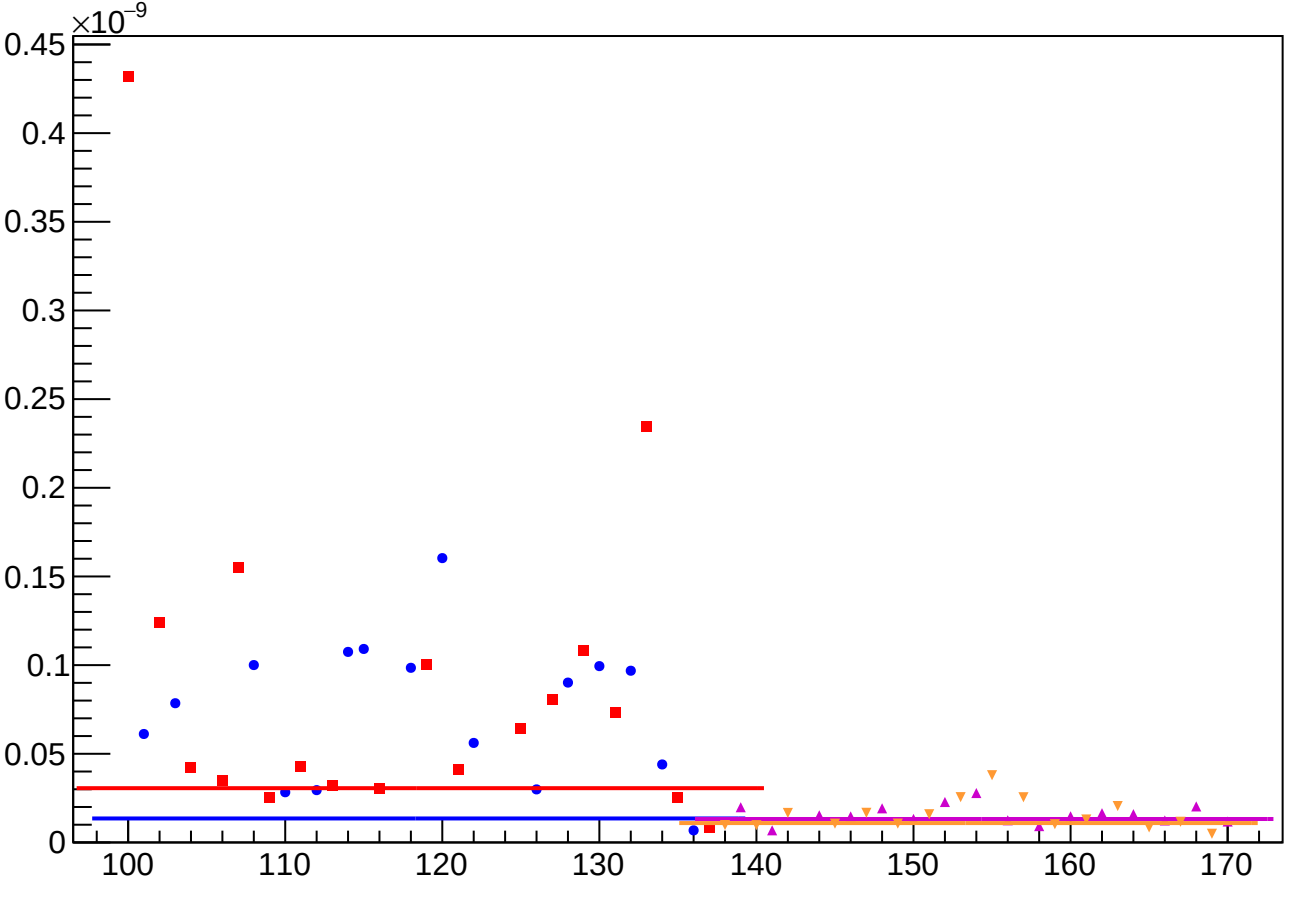
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:43.9/33

All: 0.000+/-0.000 χ^2/NDF: 72.4/65

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:1677377.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1139115.4/15

Left: 0.000+/-0.000 χ^2/NDF: 2957874.8/31

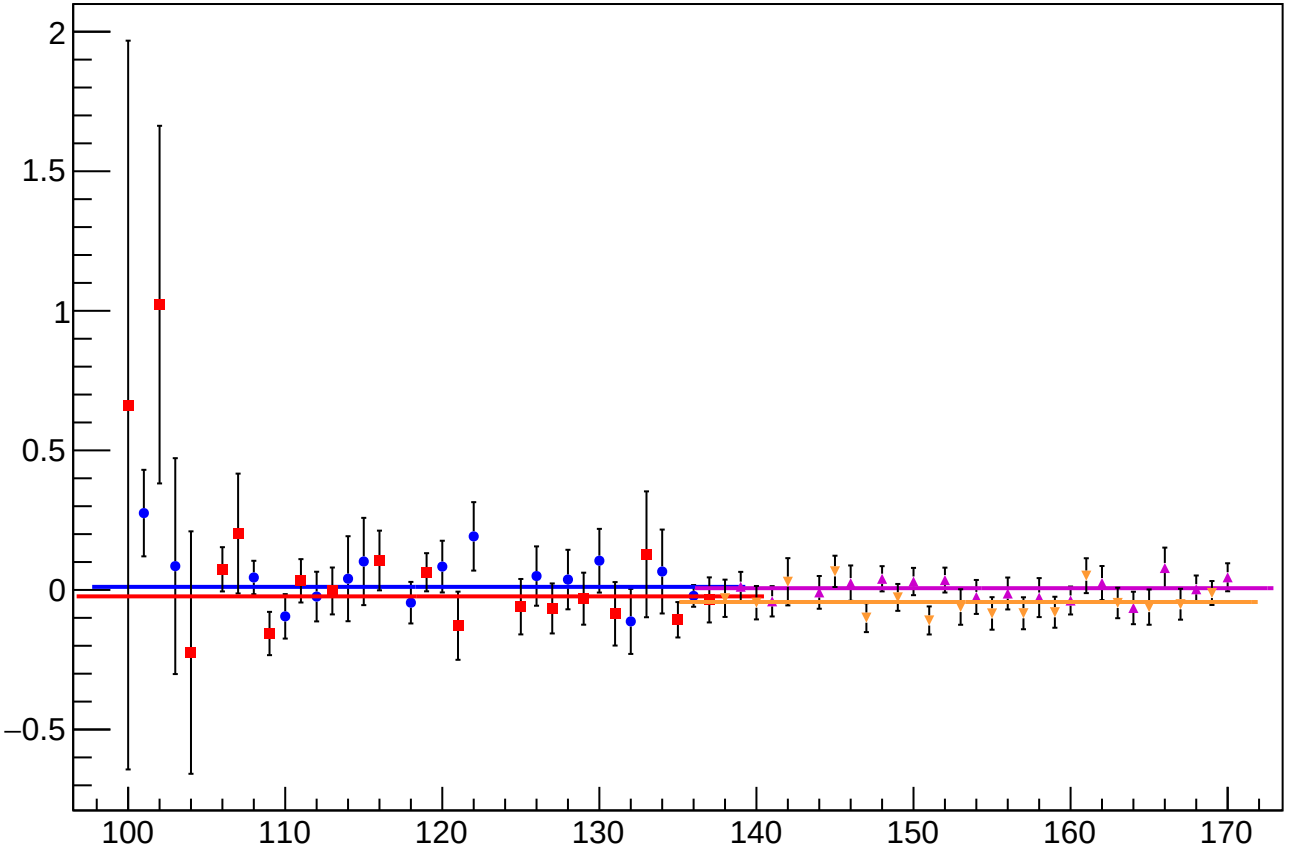
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4555960.7/31

Out: 0.000+/-0.000 χ^2/NDF:5288585.2/33

All: 0.000+/-0.000 χ^2/NDF: 9895001.7/65

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:12.1/15

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.018+/-0.010 χ^2/NDF: 25.1/31

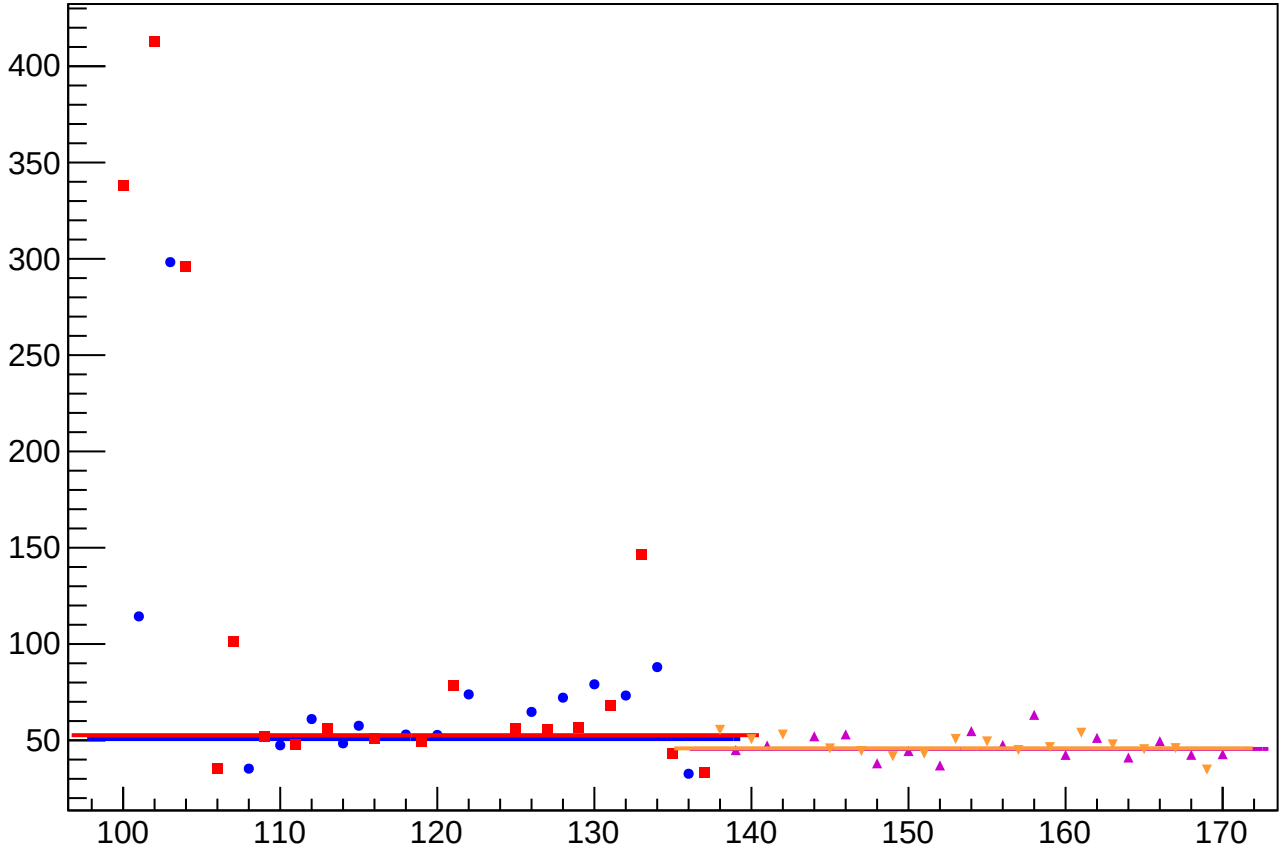
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.038+/-0.012 χ^2/NDF:28.6/33

All: -0.014+/-0.008 χ^2/NDF: 54.4/65

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: 45.825+/-0.010 χ^2/NDF:279058.2/15

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.526+/-0.010 χ^2/NDF:419413.5/15

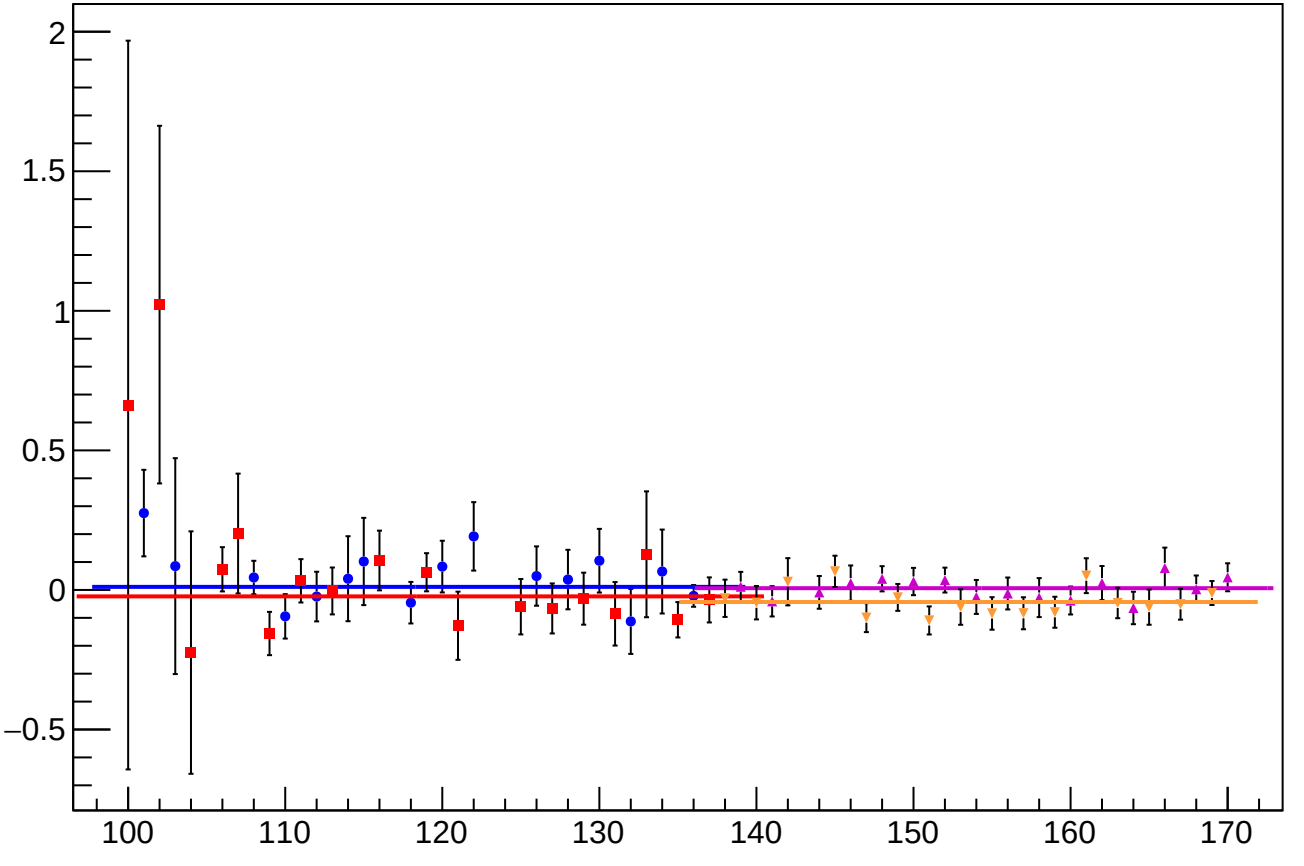
Left: 45.670+/-0.007 χ^2/NDF: 698937.5/31

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.957+/-0.008 χ^2/NDF:2764798.7/31

Out: 47.677+/-0.009 χ^2/NDF:2618794.7/33

All: 47.303+/-0.006 χ^2/NDF: 5387319.2/65



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:12.1/15

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.018+/-0.010 χ^2/NDF: 25.1/31

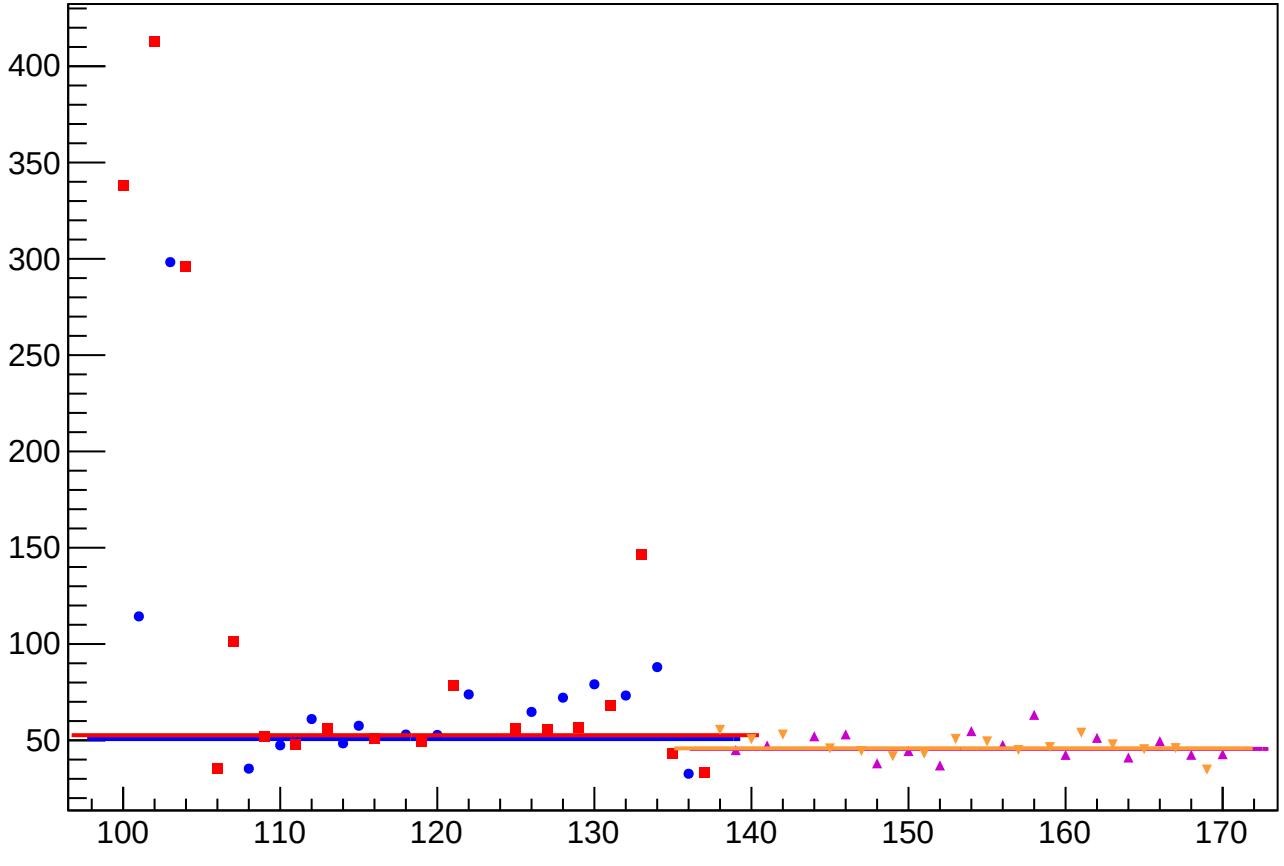
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.038+/-0.012 χ^2/NDF:28.6/33

All: -0.014+/-0.008 χ^2/NDF: 54.4/65

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: 45.825+/-0.010 χ^2/NDF:279058.2/15

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.526+/-0.010 χ^2/NDF:419413.5/15

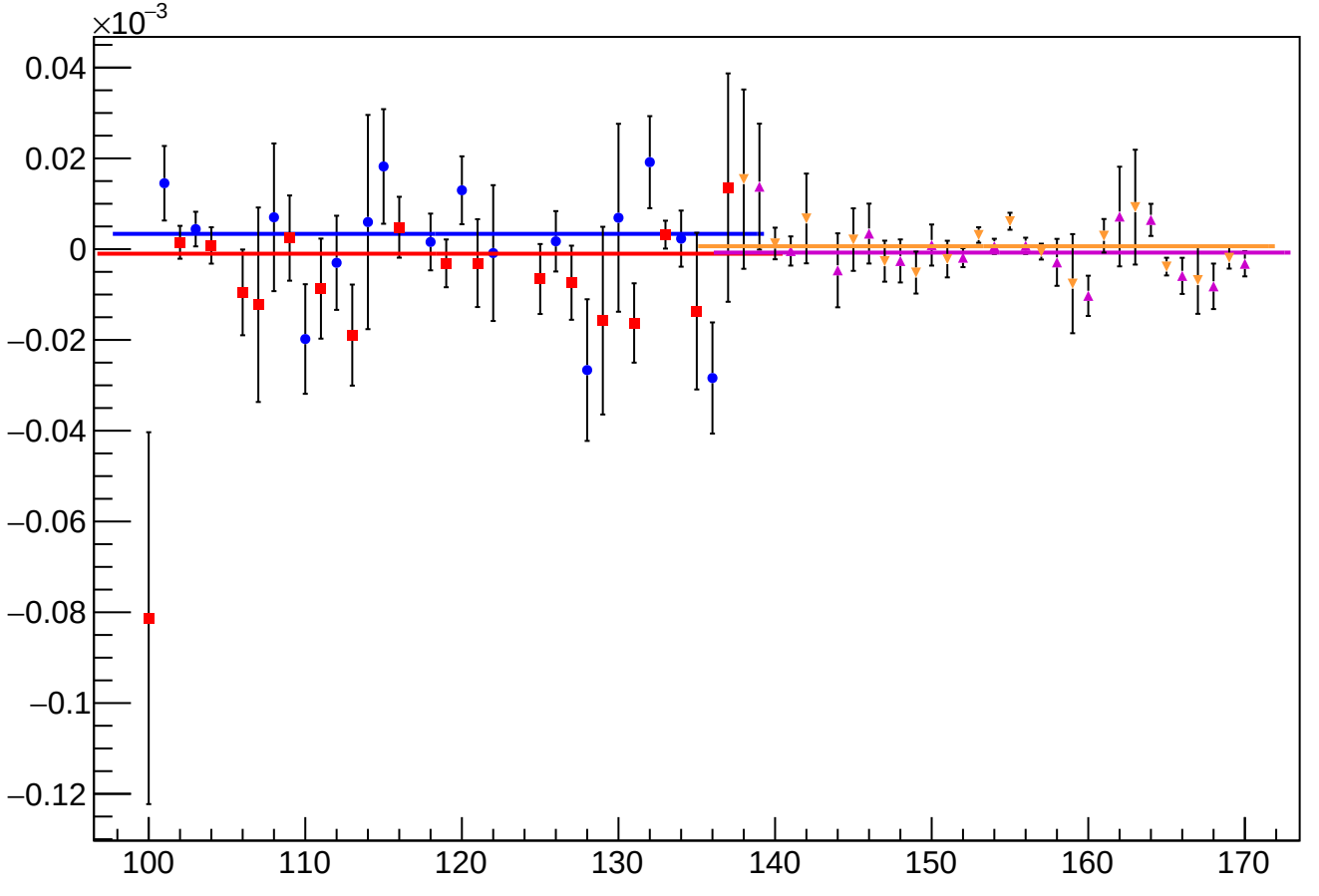
Left: 45.670+/-0.007 χ^2/NDF: 698937.5/31

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

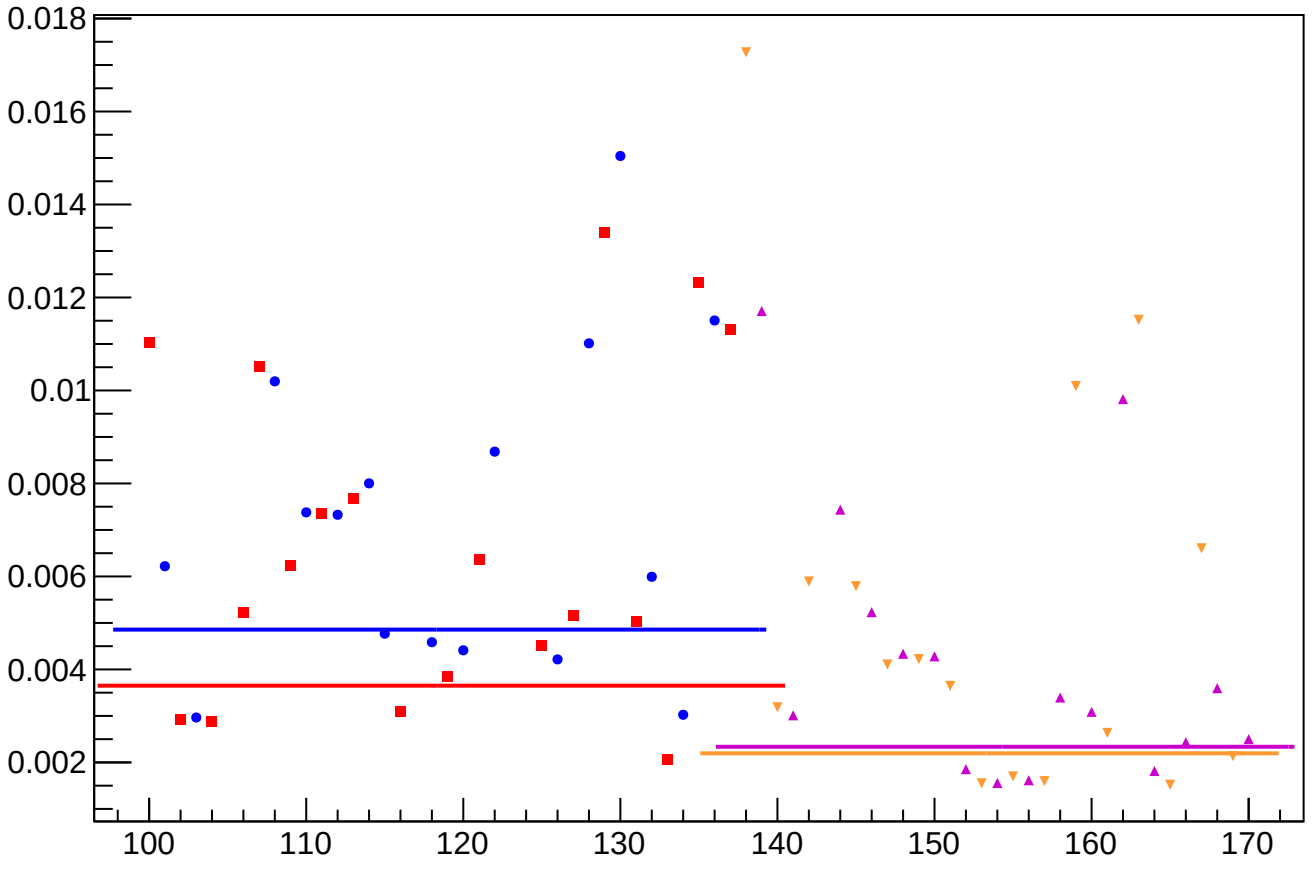
In: 46.957+/-0.008 χ^2/NDF:2764798.7/31

Out: 47.677+/-0.009 χ^2/NDF:2618794.7/33

All: 47.303+/-0.006 χ^2/NDF: 5387319.2/65


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:23.7/15
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:17.8/15
Left: -0.000+/-0.000 χ²/NDF: 43.1/31
Right: 0.000+/-0.000 χ²/NDF: 42.3/33
In: -0.000+/-0.000 χ²/NDF:43.4/31
Out: 0.000+/-0.000 χ²/NDF:41.8/33
All: 0.000+/-0.000 χ²/NDF: 85.6/65

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:6921860.9/15

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:5014460.5/15

Left: 0.002+/-0.000 χ^2/NDF: 11969250.5/31

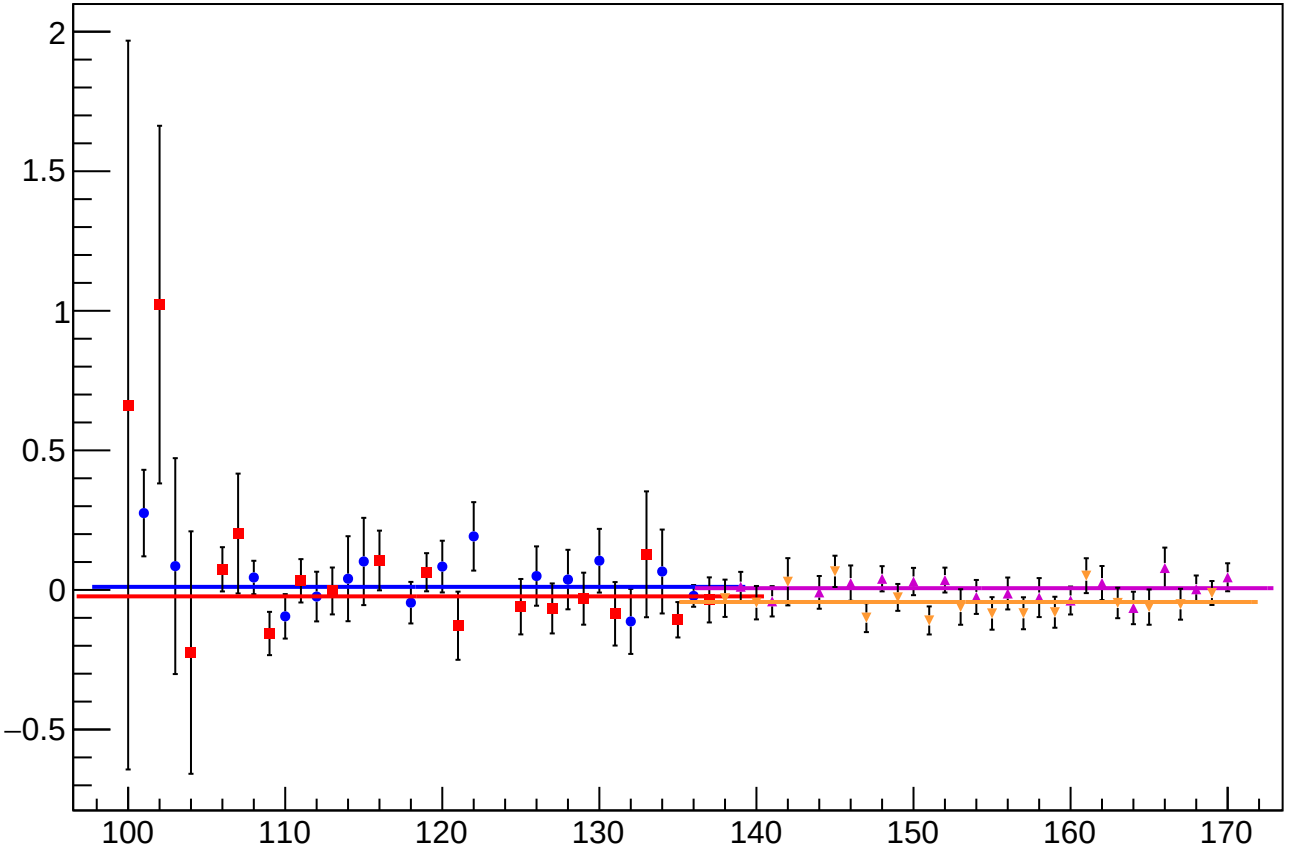
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10313466.5/31

Out: 0.002+/-0.000 χ^2/NDF:11433720.7/33

All: 0.003+/-0.000 χ^2/NDF: 21823459.3/65

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:12.1/15

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.018+/-0.010 χ^2/NDF: 25.1/31

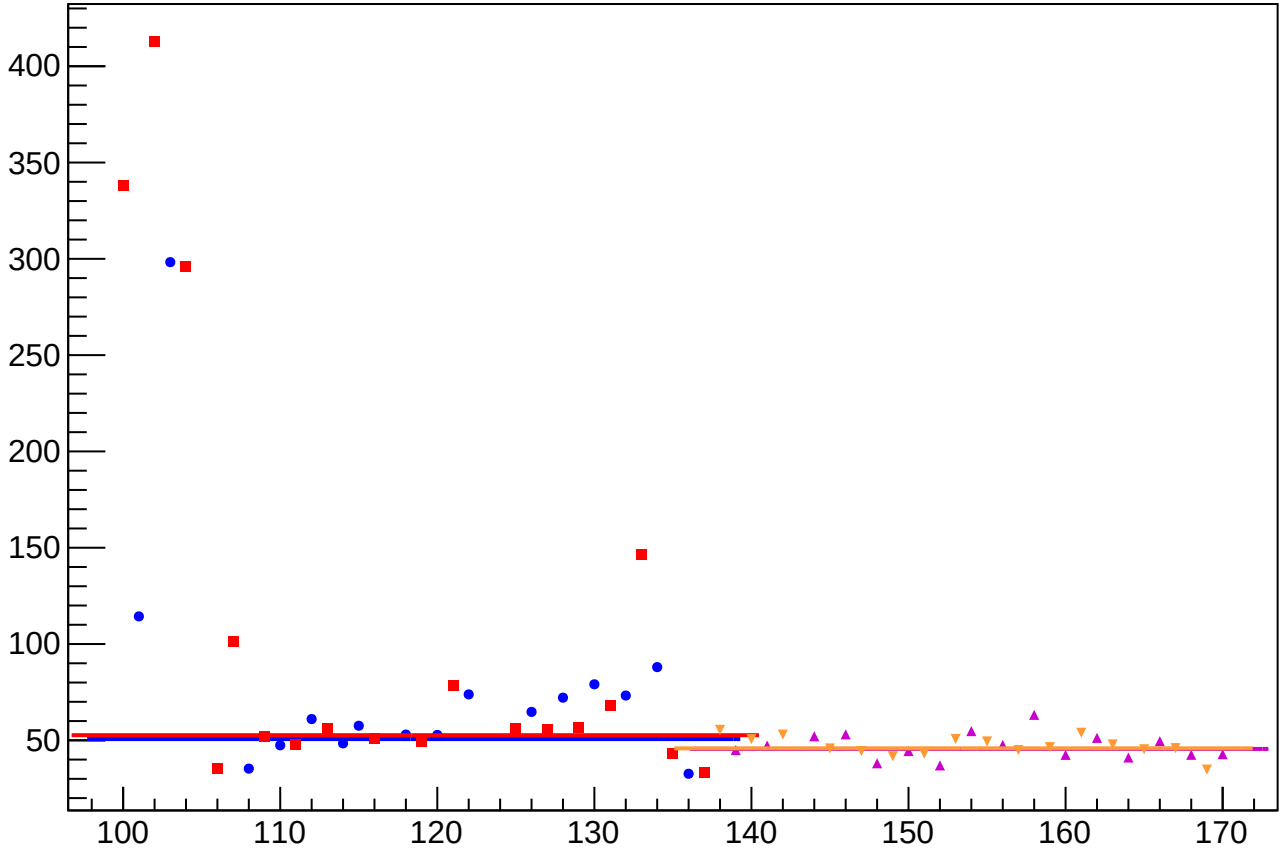
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.038+/-0.012 χ^2/NDF:28.6/33

All: -0.014+/-0.008 χ^2/NDF: 54.4/65

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: 45.825+/-0.010 χ^2/NDF:279050.0/15

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.526+/-0.010 χ^2/NDF:419374.3/15

Left: 45.670+/-0.007 χ^2/NDF: 698888.5/31

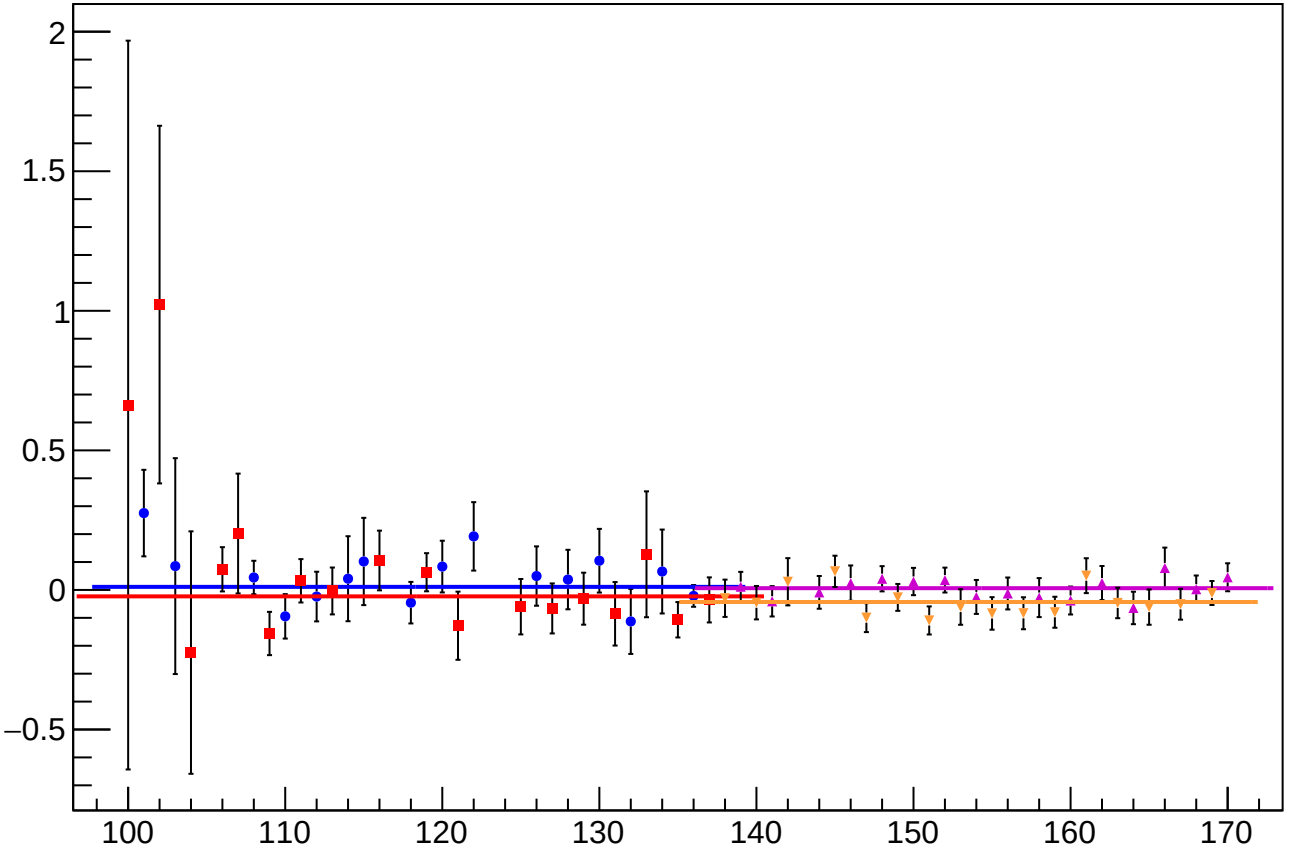
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.957+/-0.008 χ^2/NDF:2764668.4/31

Out: 47.677+/-0.009 χ^2/NDF:2618711.5/33

All: 47.303+/-0.006 χ^2/NDF: 5387102.0/65

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-0.014 χ^2/NDF:12.1/15

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.006+/-0.014 χ^2/NDF:6.7/15

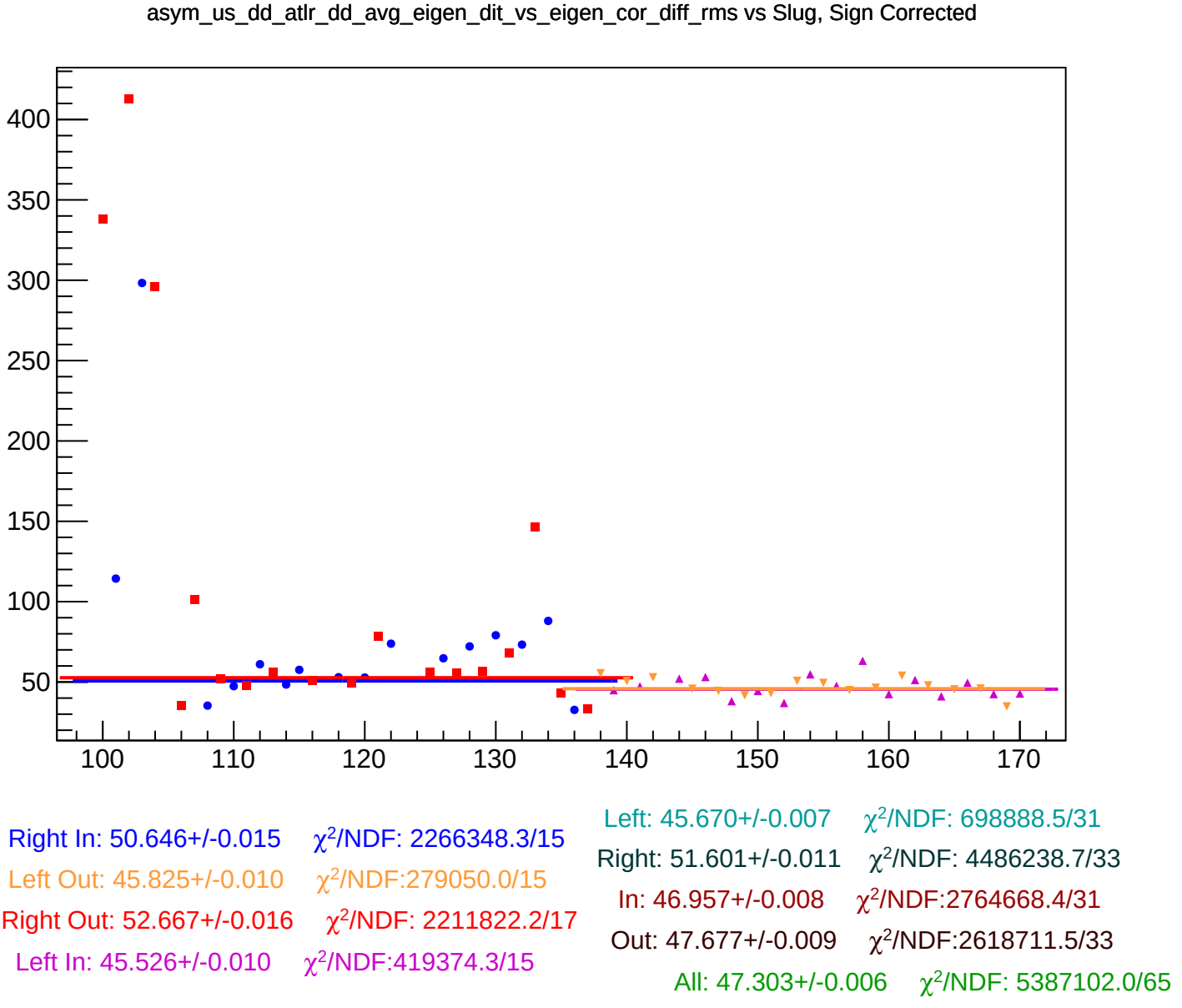
Left: -0.018+/-0.010 χ^2/NDF: 25.1/31

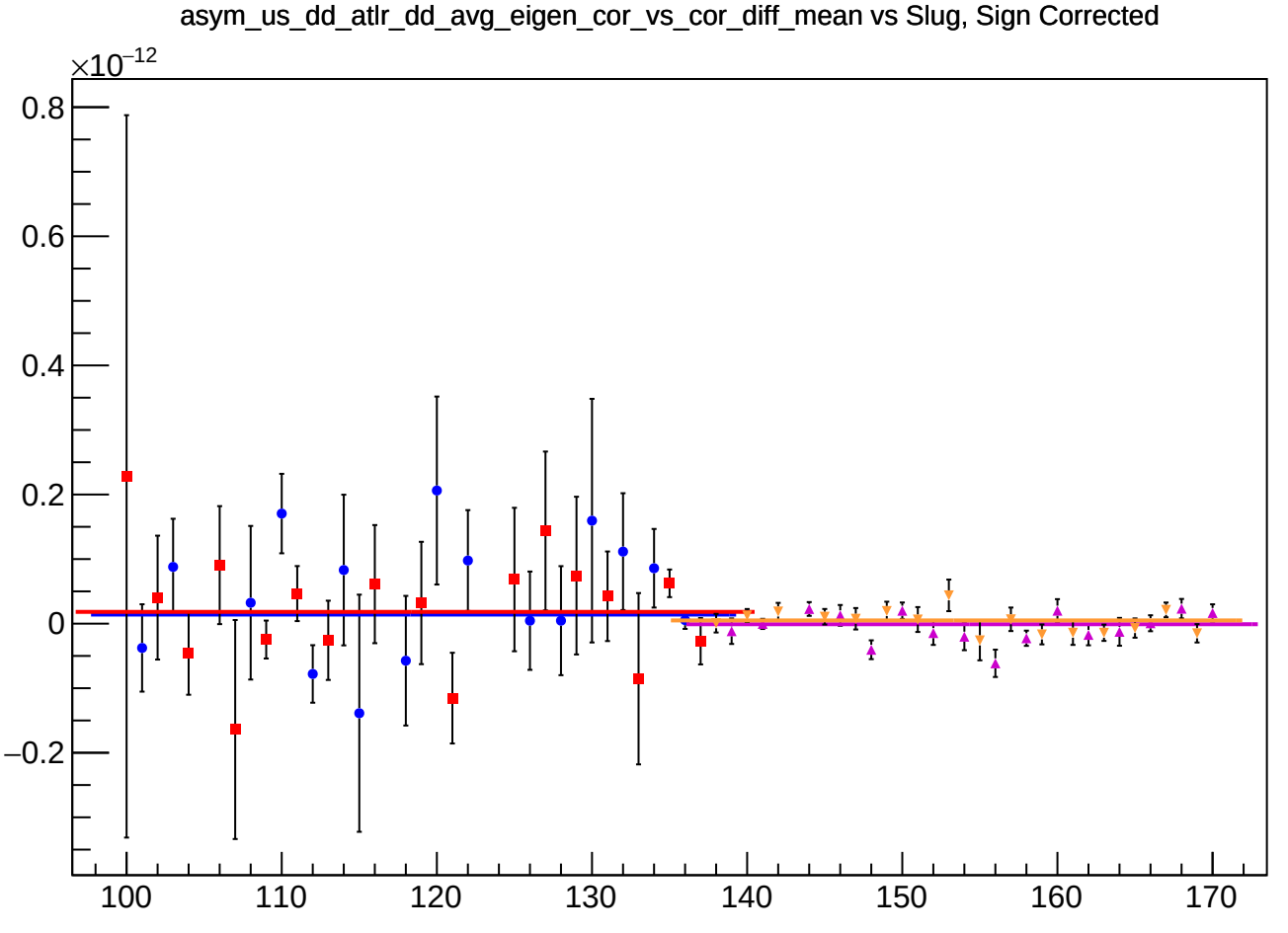
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.038+/-0.012 χ^2/NDF:28.6/33

All: -0.014+/-0.008 χ^2/NDF: 54.4/65


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 50.646+/-0.015 χ2/NDF: 2266348.3/15
Left Out: 45.825+/-0.010 χ2/NDF:279050.0/15
Right Out: 52.667+/-0.016 χ2/NDF: 2211822.2/17
Left In: 45.526+/-0.010 χ2/NDF:419374.3/15
Left: 45.670+/-0.007 χ2/NDF: 698888.5/31
Right: 51.601+/-0.011 χ2/NDF: 4486238.7/33
In: 46.957+/-0.008 χ2/NDF:2764668.4/31
Out: 47.677+/-0.009 χ2/NDF:2618711.5/33
All: 47.303+/-0.006 χ2/NDF: 5387102.0/65



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/15

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:36.0/15

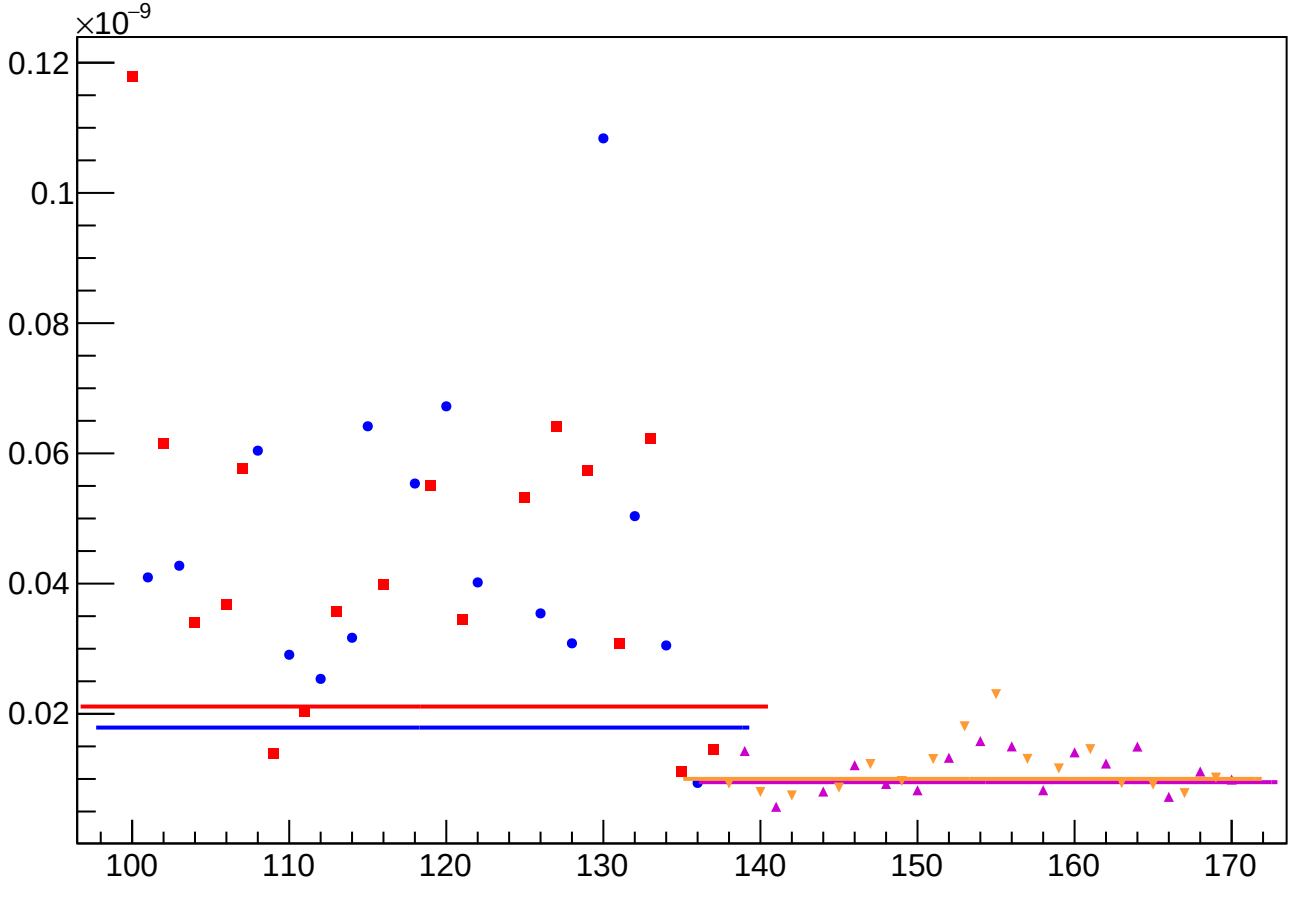
Left: 0.000+/-0.000 χ^2/NDF: 53.8/31

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:57.9/31

Out: 0.000+/-0.000 χ^2/NDF:35.5/33

All: 0.000+/-0.000 χ^2/NDF: 94.8/65



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124875.7/15

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1527304.6/15

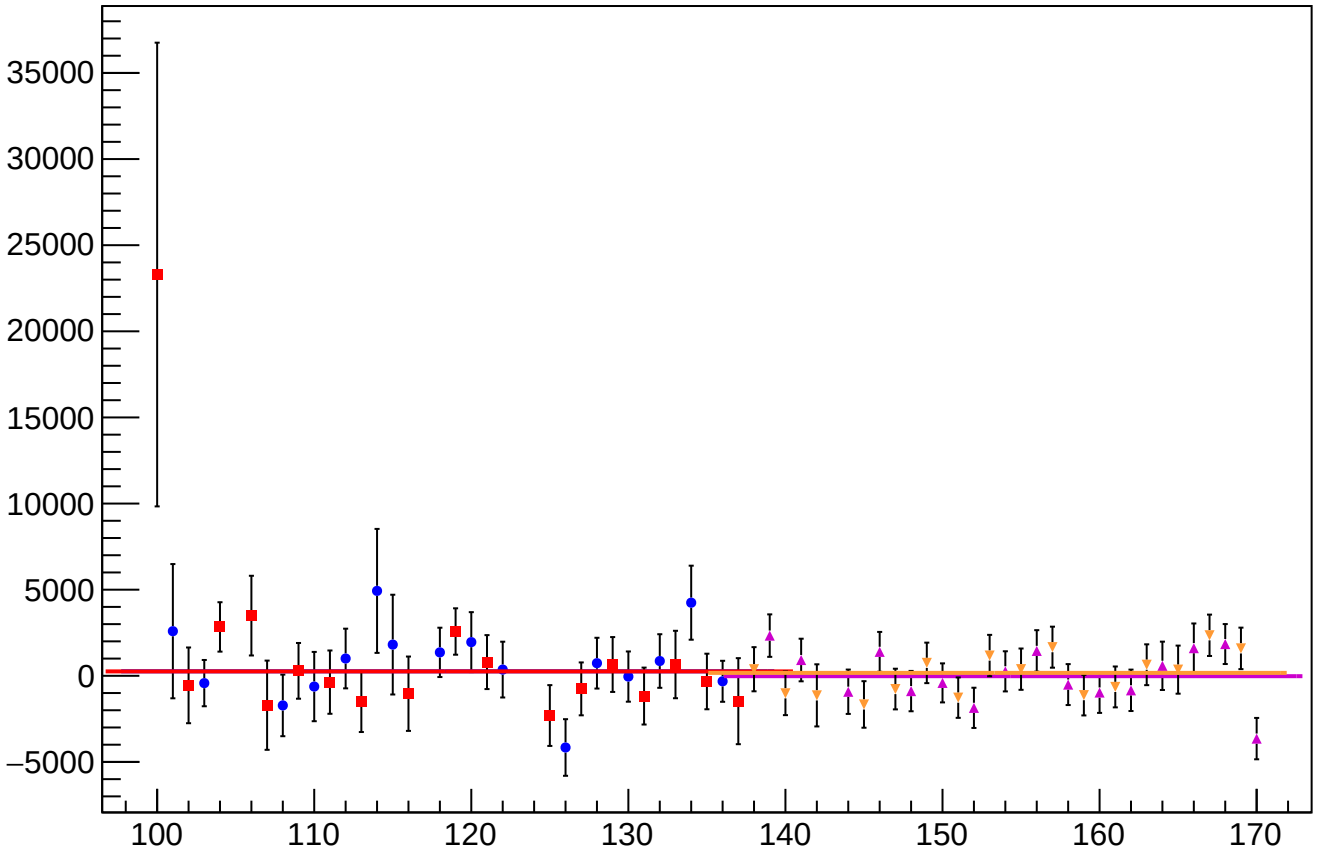
Left: 0.000+/-0.000 χ^2/NDF: 2672411.2/31

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5928169.8/31

Out: 0.000+/-0.000 χ^2/NDF:5192999.8/33

All: 0.000+/-0.000 χ^2/NDF: 11158420.4/65



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 169.928+/-310.256 χ^2/NDF:14.5/15

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -22.212+/-303.204 χ^2/NDF:25.3/15

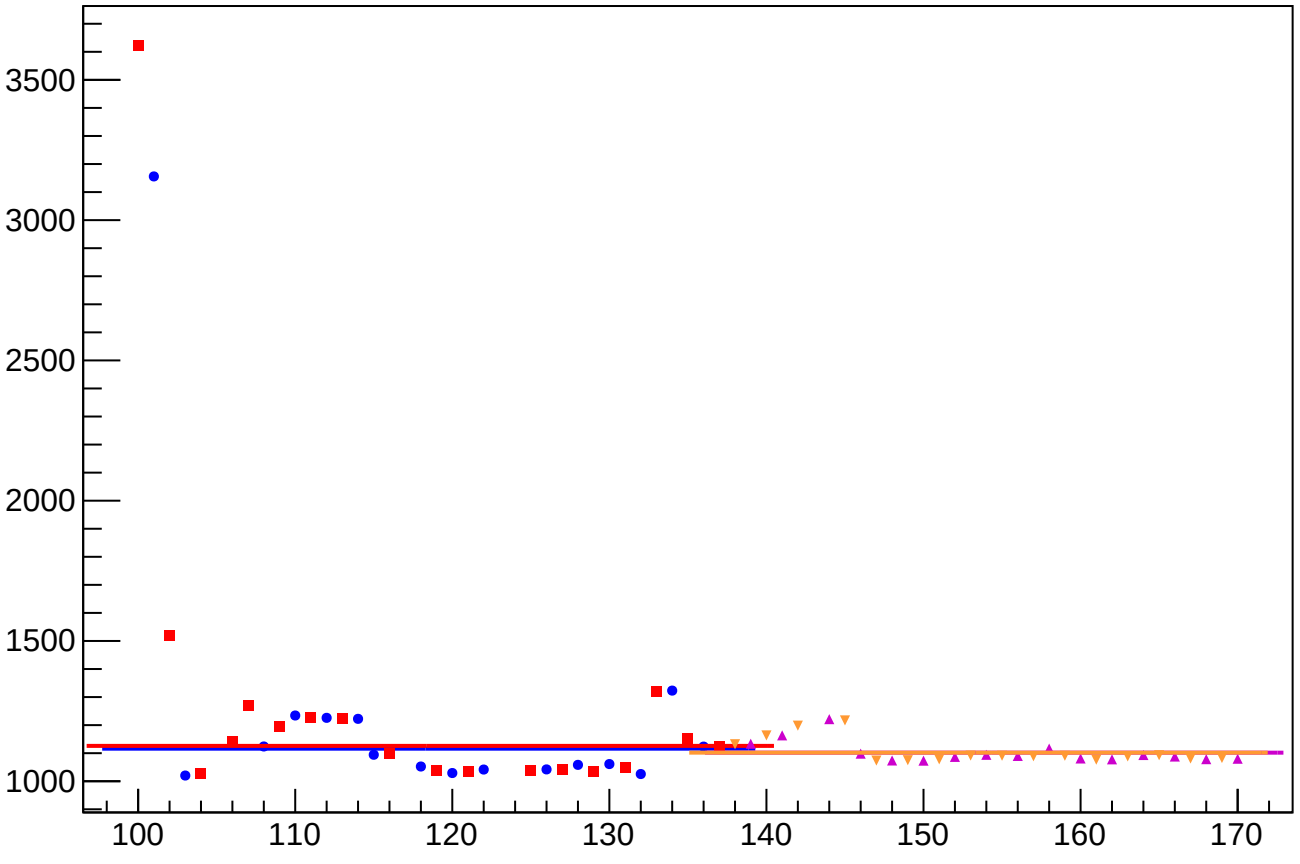
Left: 71.649+/-216.848 χ^2/NDF: 40.0/31

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 73.348+/-246.761 χ^2/NDF:42.6/31

Out: 199.756+/-250.749 χ^2/NDF:31.9/33

All: 135.539+/-175.879 χ^2/NDF: 74.6/65



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1101.922+/-0.219 χ^2/NDF:32026.5/15

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

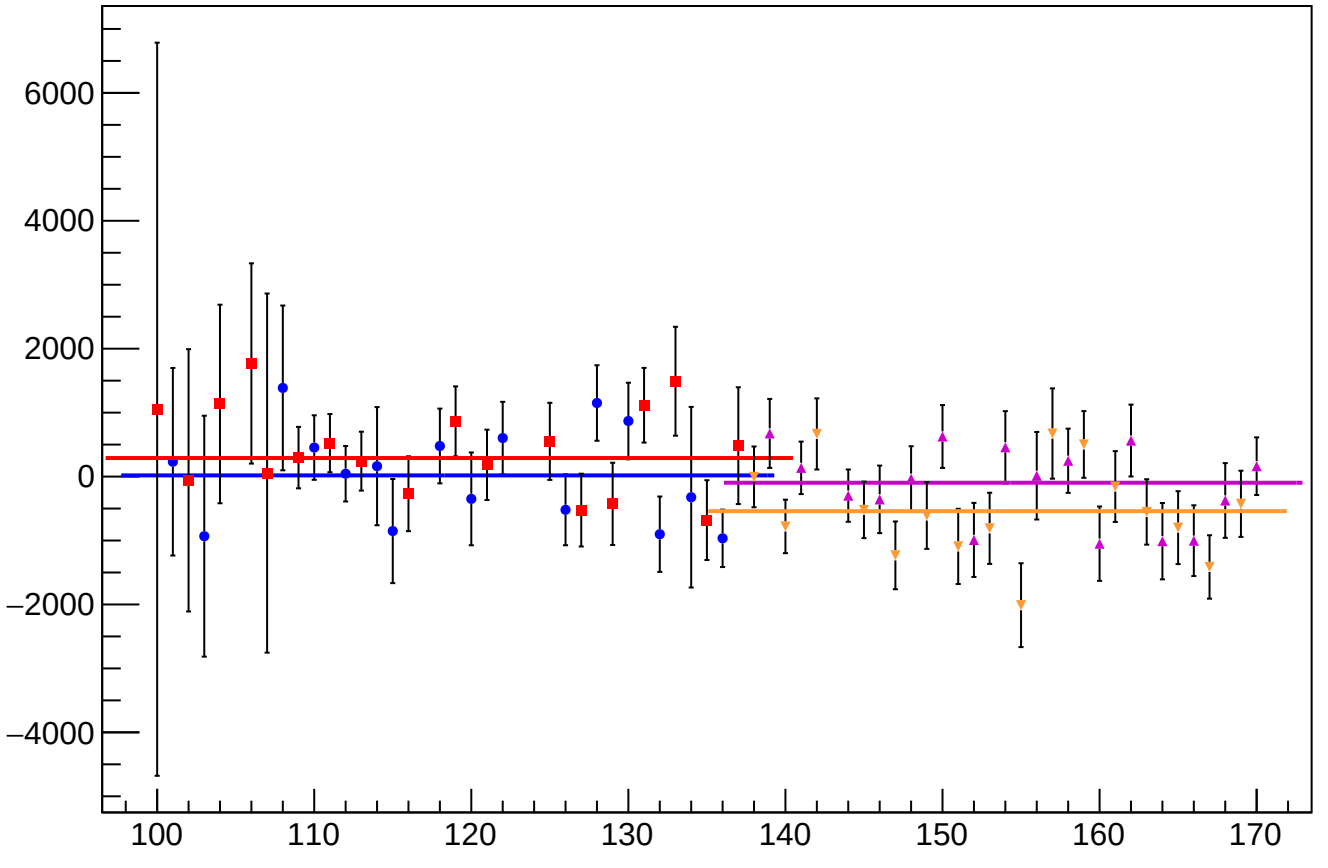
Left: 1101.881+/-0.153 χ^2/NDF: 61963.7/31

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1106.652+/-0.174 χ^2/NDF:654819.1/31

Out: 1110.278+/-0.177 χ^2/NDF:258315.3/33

All: 1108.436+/-0.124 χ^2/NDF: 913346.9/65



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -541.001+/-131.526 χ^2/NDF:25.0/15

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -96.418+/-129.967 χ^2/NDF:18.5/15

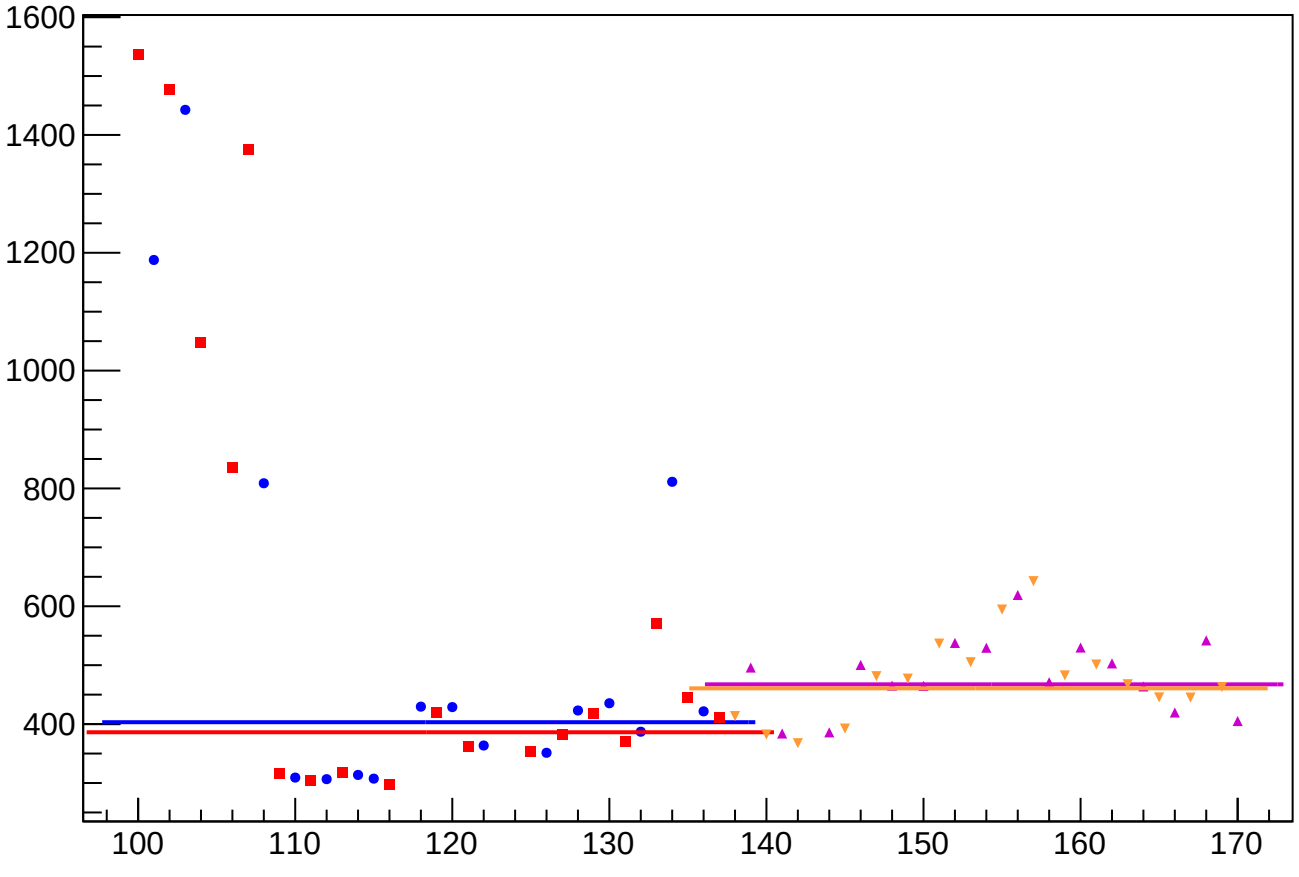
Left: -316.059+/-92.447 χ^2/NDF: 49.3/31

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -51.171+/-101.187 χ^2/NDF:38.0/31

Out: -196.236+/-100.606 χ^2/NDF:55.0/33

All: -124.121+/-71.344 χ^2/NDF: 94.1/65



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 460.694+/-0.093 χ^2/NDF:478560.1/15

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 467.454+/-0.092 χ^2/NDF:444280.0/15

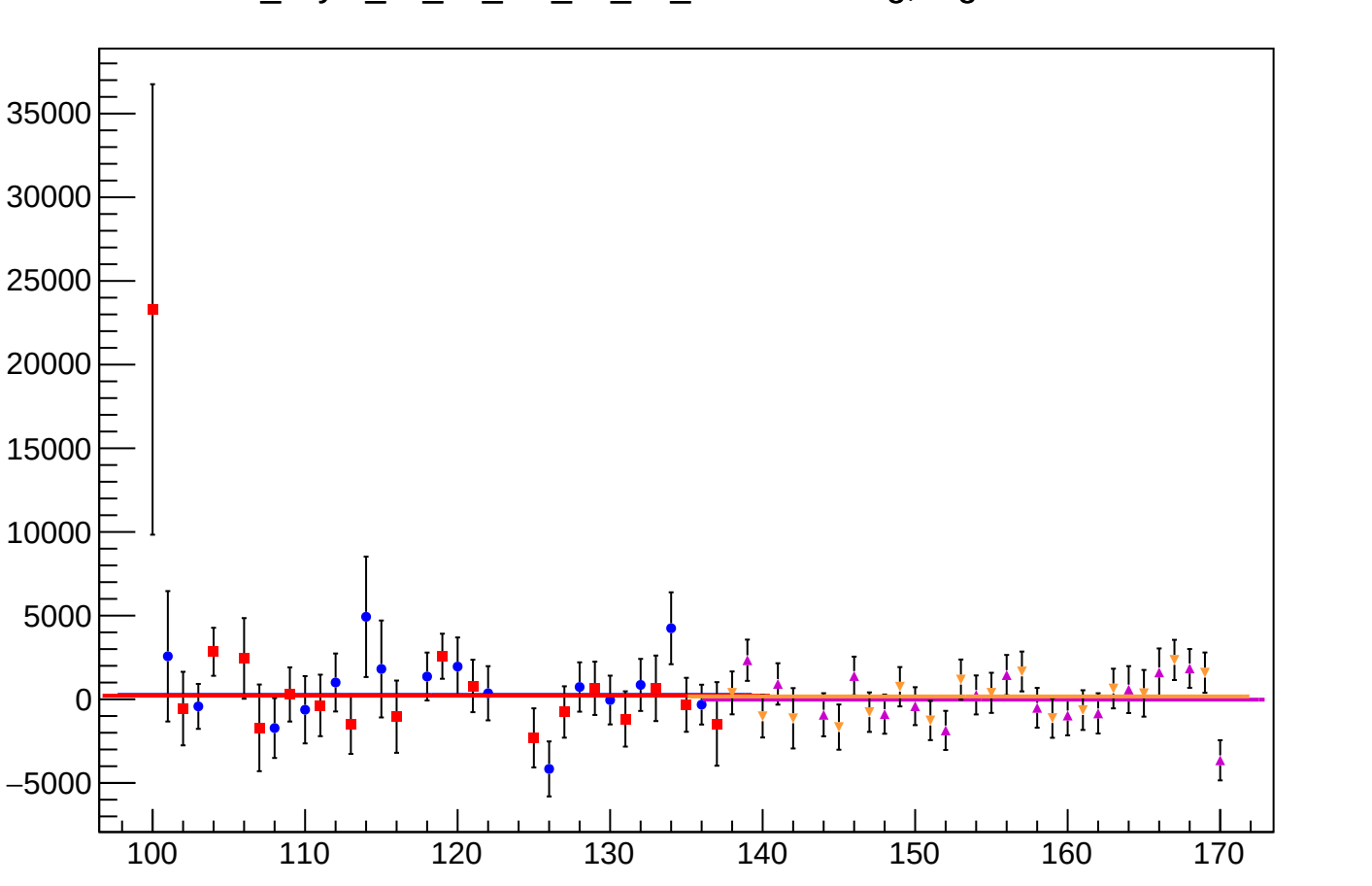
Left: 464.114+/-0.065 χ^2/NDF: 925513.1/31

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 442.146+/-0.072 χ^2/NDF:2445270.5/31

Out: 429.764+/-0.071 χ^2/NDF:2504252.8/33

All: 435.919+/-0.050 χ^2/NDF: 4964583.2/65



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 169.909+/-310.256 χ^2/NDF:14.5/15

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -22.192+/-303.204 χ^2/NDF:25.3/15

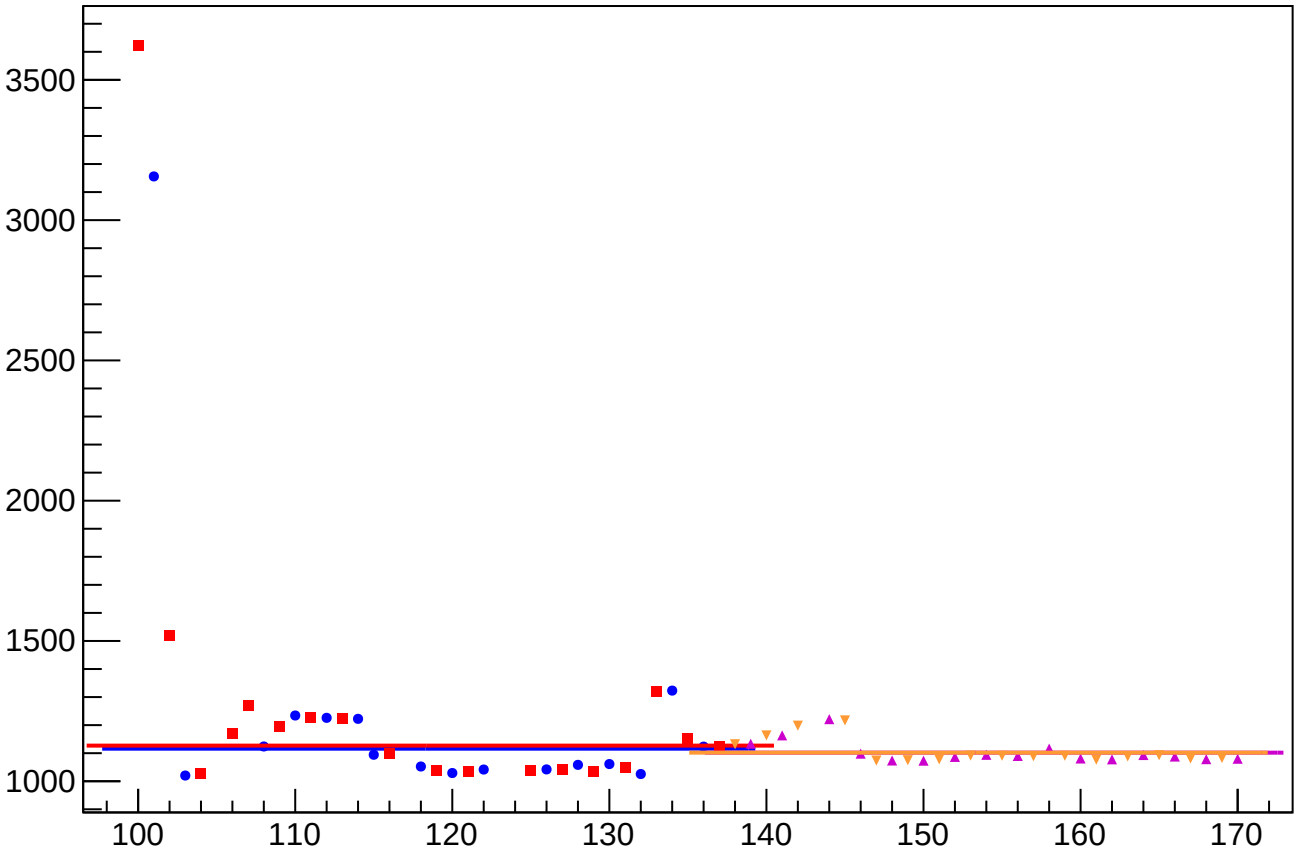
Left: 71.651+/-216.848 χ^2/NDF: 40.0/31

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 73.232+/-246.761 χ^2/NDF:42.6/31

Out: 185.348+/-250.862 χ^2/NDF:30.7/33

All: 128.366+/-175.918 χ^2/NDF: 73.4/65



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1101.922+/-0.219 χ^2/NDF:32026.5/15

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

Left: 1101.881+/-0.153 χ^2/NDF: 61963.7/31

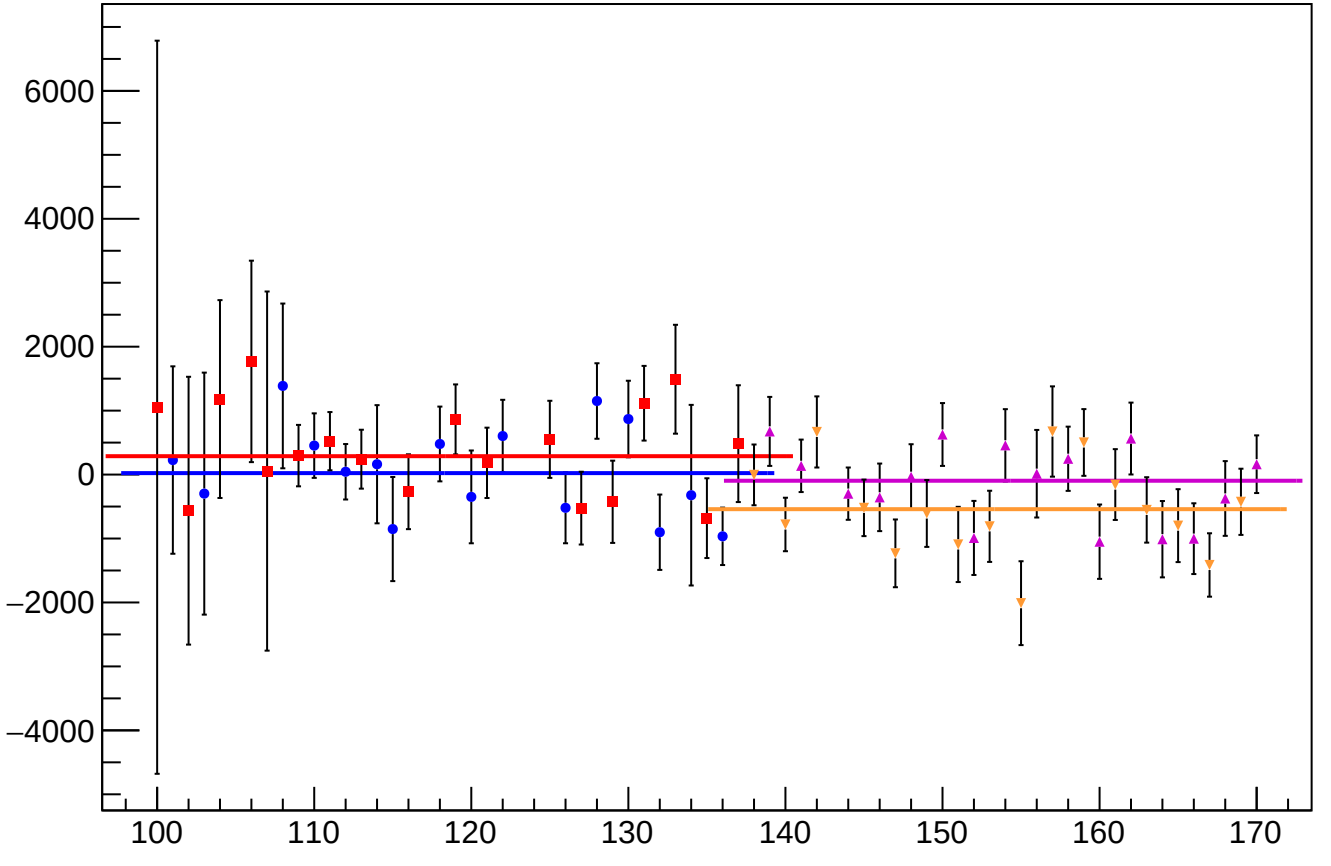
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1106.652+/-0.174 χ^2/NDF:654820.1/31

Out: 1110.591+/-0.177 χ^2/NDF:259276.2/33

All: 1108.589+/-0.124 χ^2/NDF: 914346.9/65

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -541.057+/-131.526 χ^2/NDF:25.0/15

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -96.396+/-129.967 χ^2/NDF:18.5/15

Left: -316.075+/-92.447 χ^2/NDF: 49.3/31

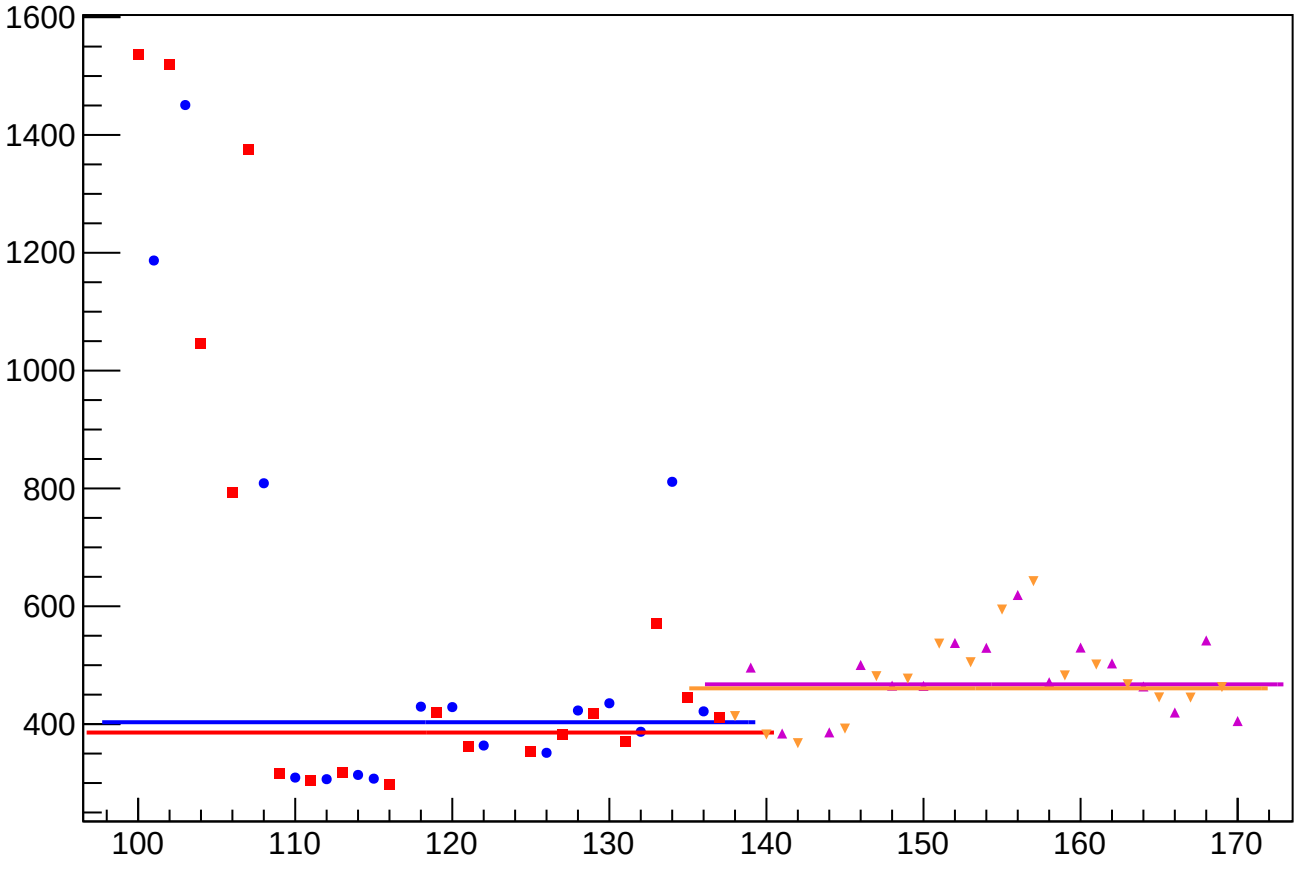
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -49.404+/-101.187 χ^2/NDF:37.8/31

Out: -197.297+/-100.612 χ^2/NDF:55.1/33

All: -123.772+/-71.346 χ^2/NDF: 94.0/65

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.692+/-0.093 χ^2/NDF:478578.1/15

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 467.452+/-0.092 χ^2/NDF:444240.2/15

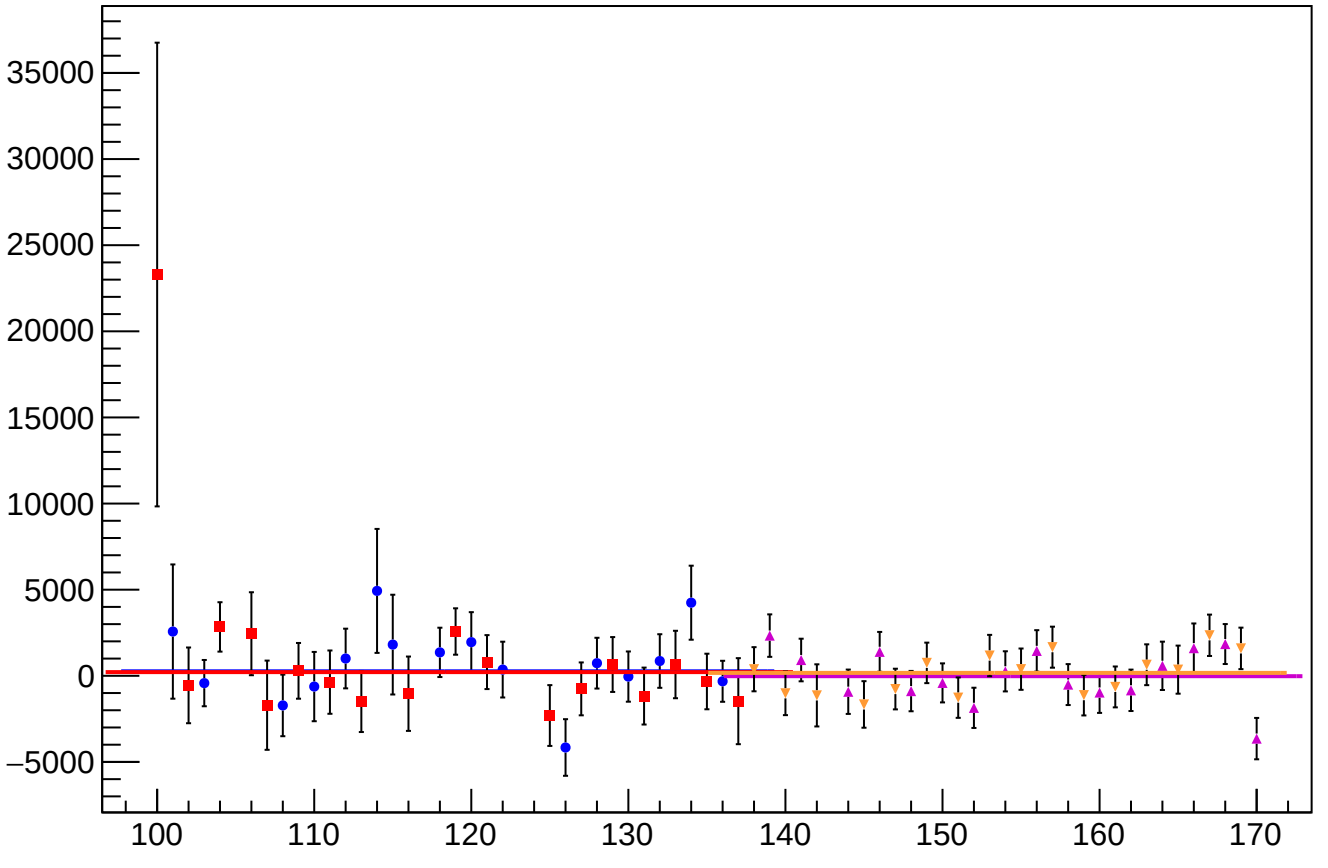
Left: 464.112+/-0.065 χ^2/NDF: 925491.1/31

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 442.140+/-0.072 χ^2/NDF:2448969.1/31

Out: 429.575+/-0.071 χ^2/NDF:2495583.4/33

All: 435.822+/-0.050 χ^2/NDF: 4960059.2/65



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 169.909+/-310.256 χ^2/NDF:14.5/15

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -22.192+/-303.204 χ^2/NDF:25.3/15

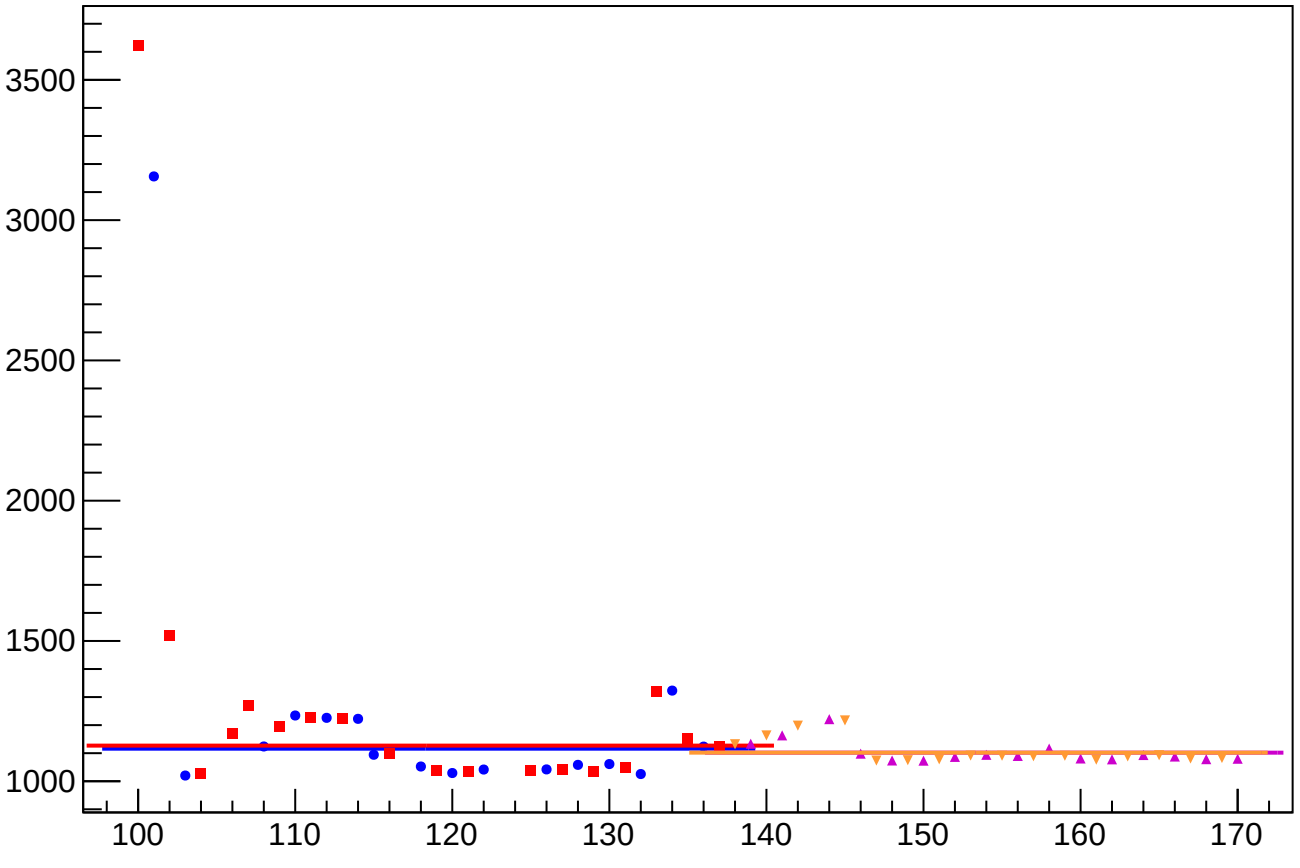
Left: 71.651+/-216.848 χ^2/NDF: 40.0/31

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 73.232+/-246.761 χ^2/NDF:42.6/31

Out: 185.348+/-250.862 χ^2/NDF:30.7/33

All: 128.366+/-175.918 χ^2/NDF: 73.4/65



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1101.922+/-0.219 χ^2/NDF:32026.5/15

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

Left: 1101.881+/-0.153 χ^2/NDF: 61963.7/31

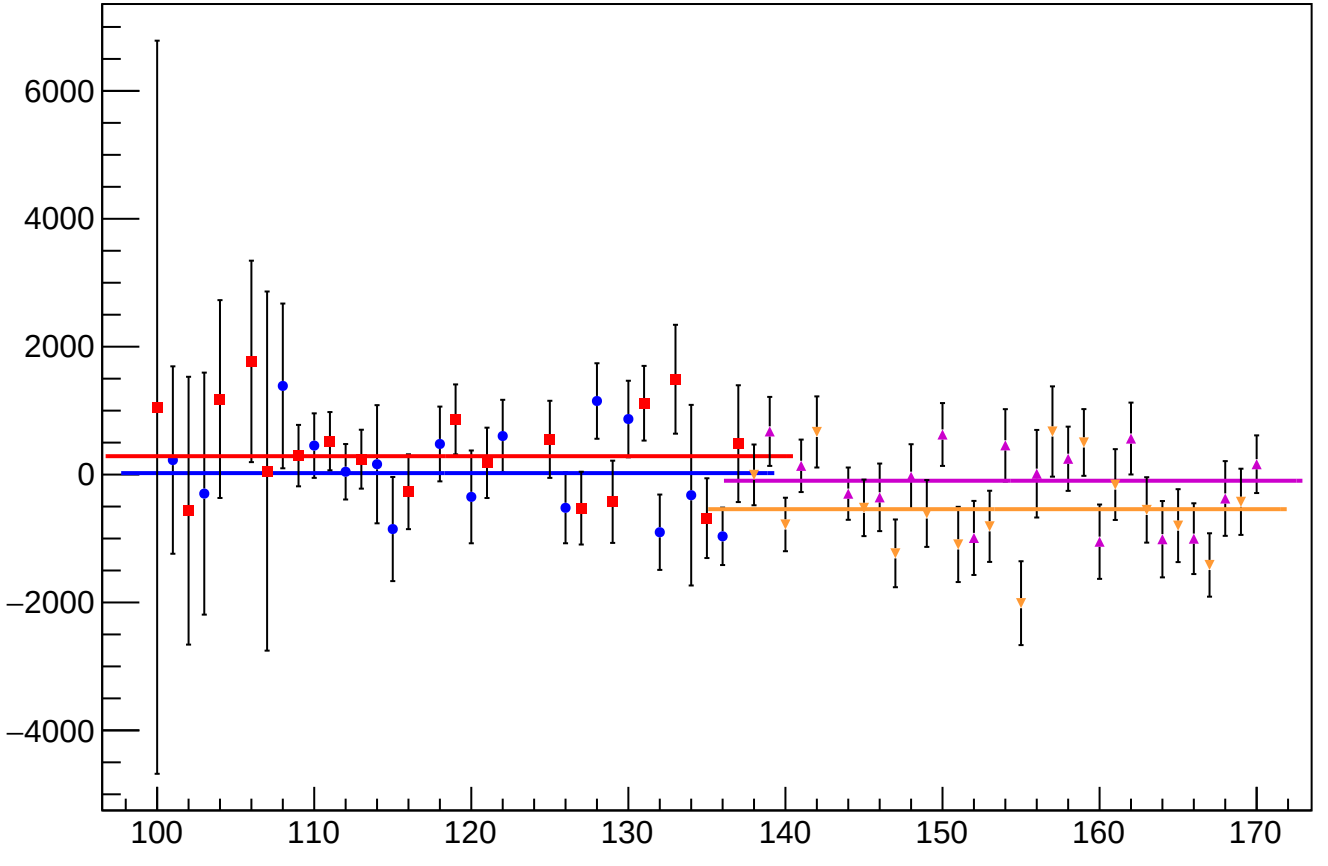
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1106.652+/-0.174 χ^2/NDF:654820.1/31

Out: 1110.591+/-0.177 χ^2/NDF:259276.2/33

All: 1108.589+/-0.124 χ^2/NDF: 914346.9/65

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: -541.057+/-131.526 χ^2/NDF:25.0/15

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -96.396+/-129.967 χ^2/NDF:18.5/15

Left: -316.075+/-92.447 χ^2/NDF: 49.3/31

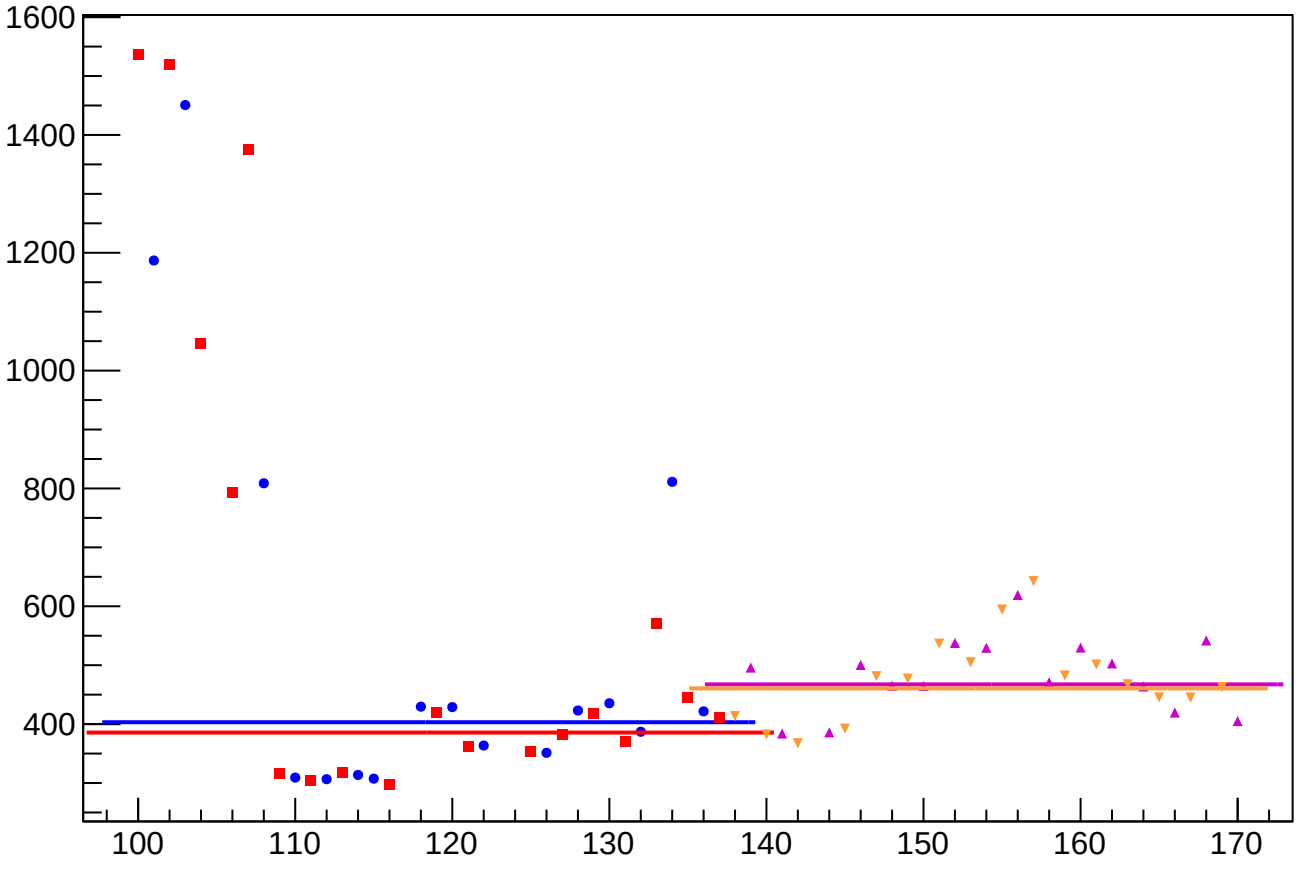
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -49.404+/-101.187 χ^2/NDF:37.8/31

Out: -197.297+/-100.612 χ^2/NDF:55.1/33

All: -123.772+/-71.346 χ^2/NDF: 94.0/65

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 460.692+/-0.093 χ^2/NDF:478578.1/15

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 467.452+/-0.092 χ^2/NDF:444240.2/15

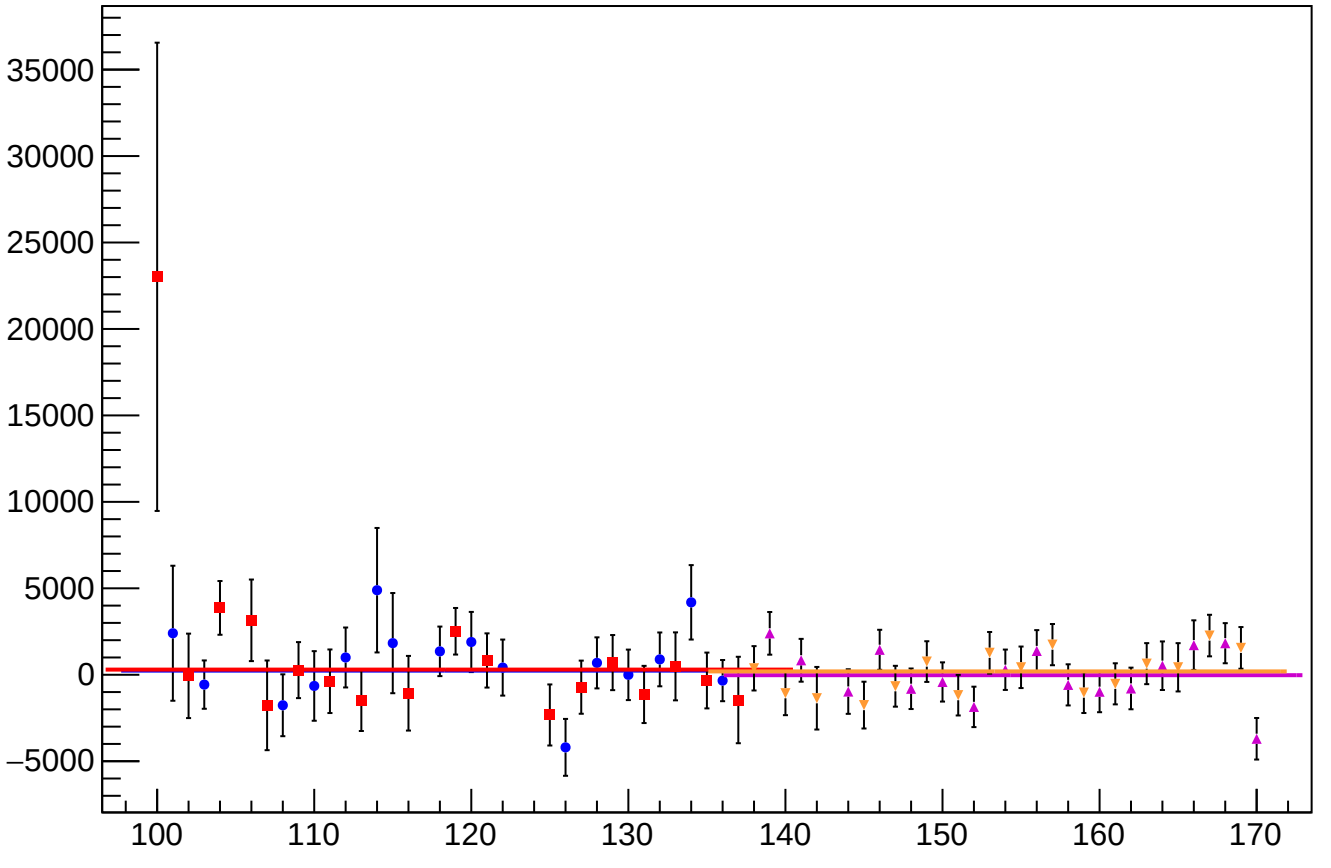
Left: 464.112+/-0.065 χ^2/NDF: 925491.1/31

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 442.140+/-0.072 χ^2/NDF:2448969.1/31

Out: 429.575+/-0.071 χ^2/NDF:2495583.4/33

All: 435.822+/-0.050 χ^2/NDF: 4960059.2/65



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 194.777+/-310.593 χ^2/NDF:14.4/15

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -24.208+/-303.525 χ^2/NDF:25.7/15

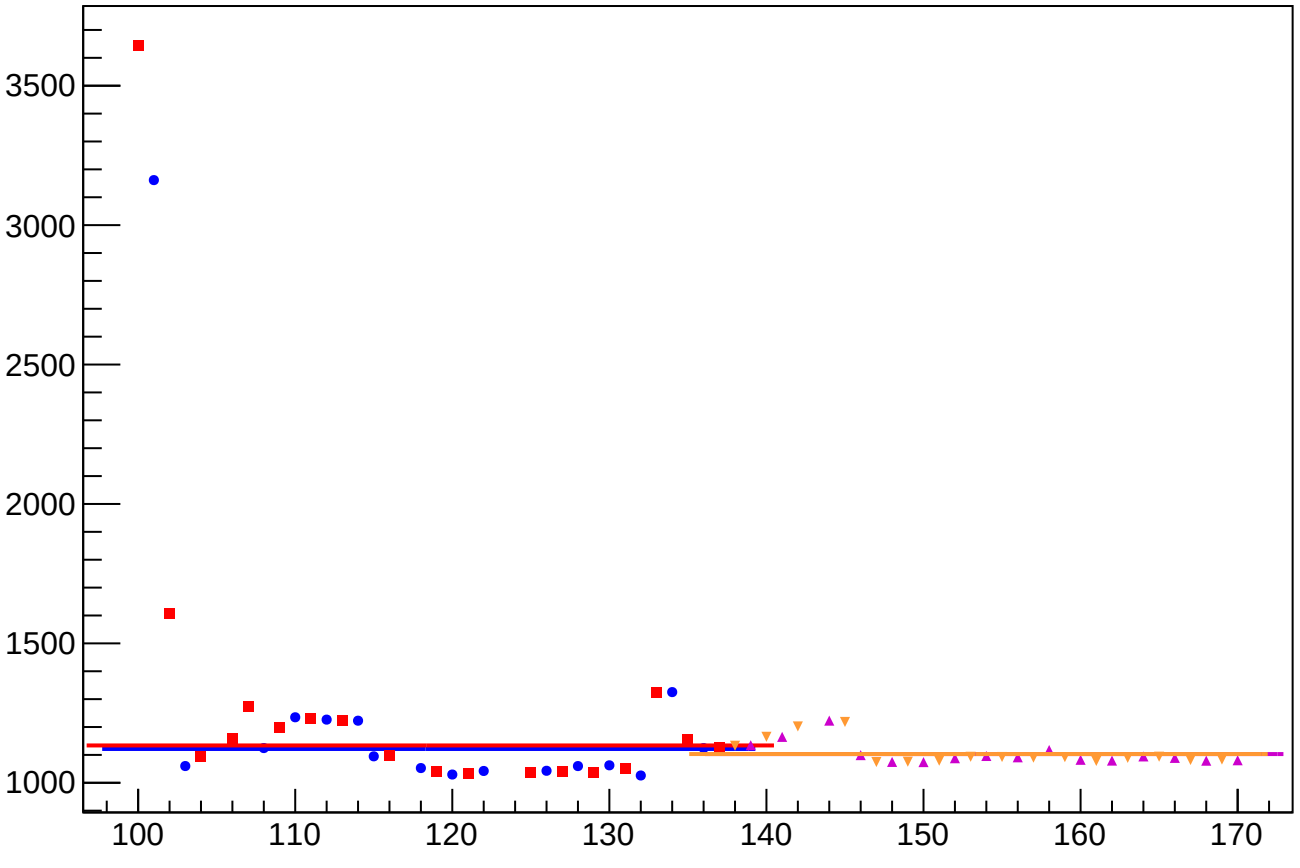
Left: 82.764+/-217.080 χ^2/NDF: 40.3/31

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 64.870+/-247.313 χ^2/NDF:42.9/31

Out: 230.399+/-251.935 χ^2/NDF:33.1/33

All: 146.102+/-176.488 χ^2/NDF: 76.2/65



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.103+/-0.220 χ^2/NDF:32469.3/15

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1103.001+/-0.215 χ^2/NDF:30058.2/15

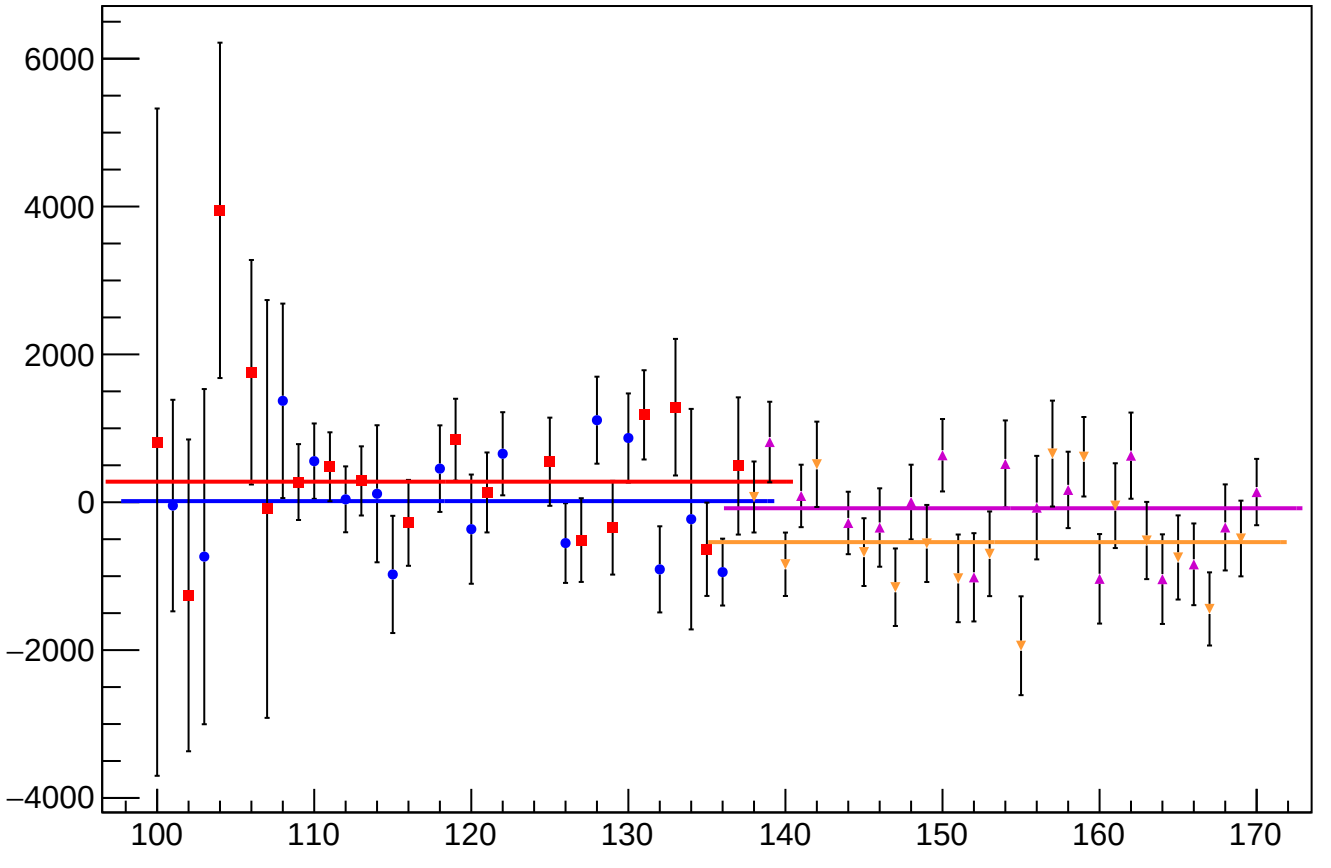
Left: 1103.051+/-0.153 χ^2/NDF: 62527.6/31

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1109.150+/-0.175 χ^2/NDF:649528.0/31

Out: 1113.647+/-0.178 χ^2/NDF:266664.9/33

All: 1111.357+/-0.125 χ^2/NDF: 916517.6/65



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -539.339+/-133.524 χ^2/NDF:23.7/15

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -81.145+/-132.133 χ^2/NDF:18.0/15

Left: -307.843+/-93.920 χ^2/NDF: 47.6/31

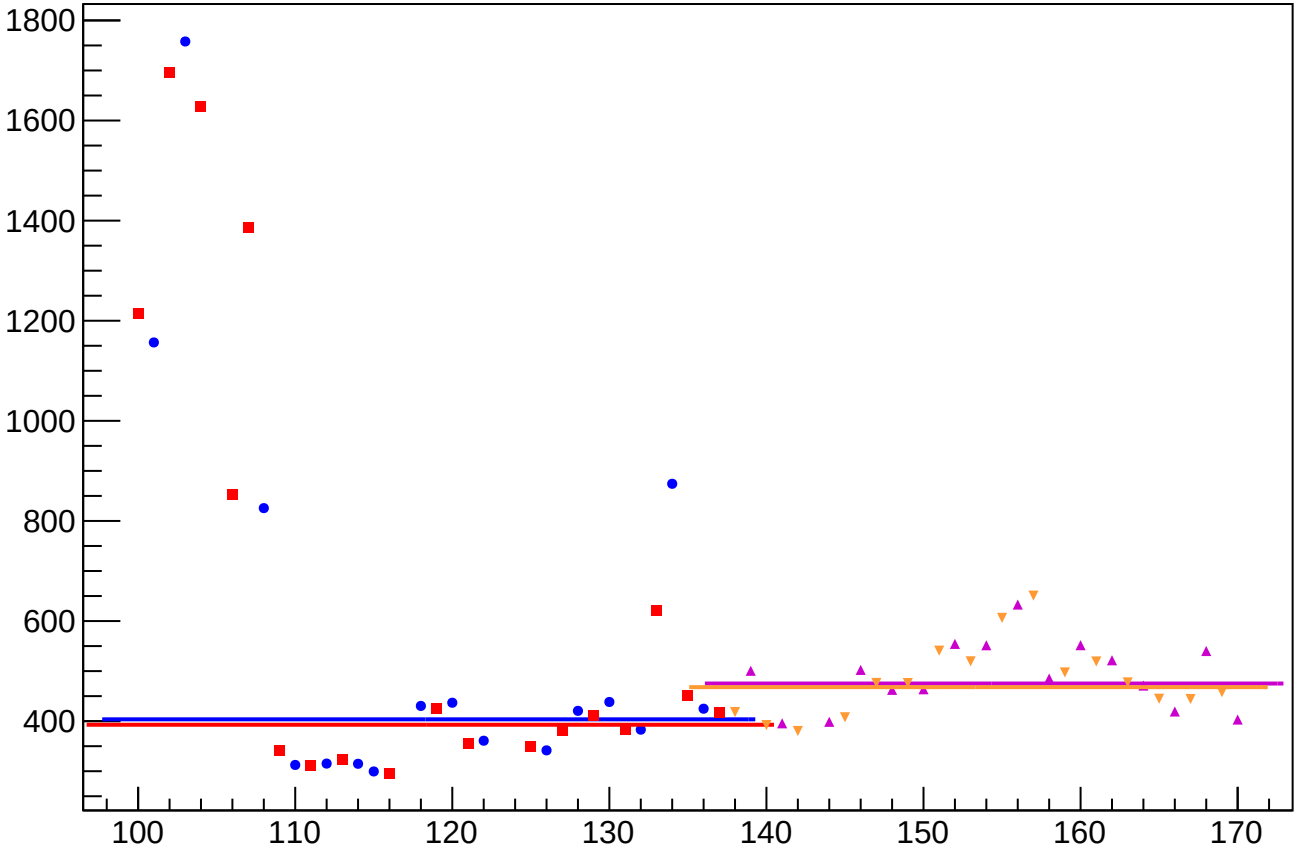
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -42.575+/-102.354 χ^2/NDF:37.8/31

Out: -200.783+/-102.205 χ^2/NDF:54.2/33

All: -121.794+/-72.323 χ^2/NDF: 93.3/65

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: 467.929+/-0.094 χ^2/NDF:459433.1/15

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 475.189+/-0.093 χ^2/NDF:461232.0/15

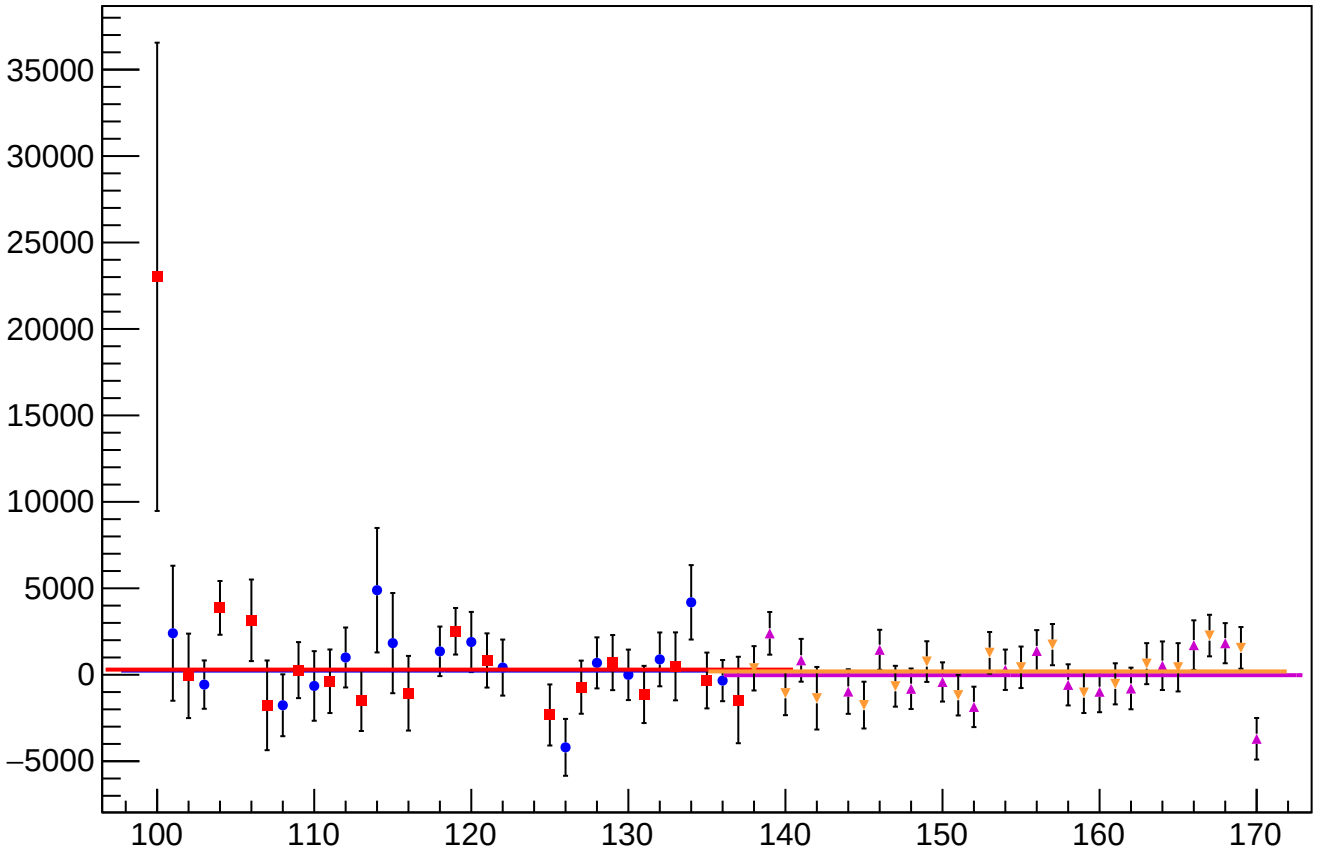
Left: 471.597+/-0.066 χ^2/NDF: 923652.4/31

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.579+/-0.072 χ^2/NDF:2625271.4/31

Out: 436.827+/-0.072 χ^2/NDF:2924943.3/33

All: 441.696+/-0.051 χ^2/NDF: 5559305.6/65



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 194.773+/-310.593 χ^2/NDF:14.4/15

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -24.207+/-303.525 χ^2/NDF:25.7/15

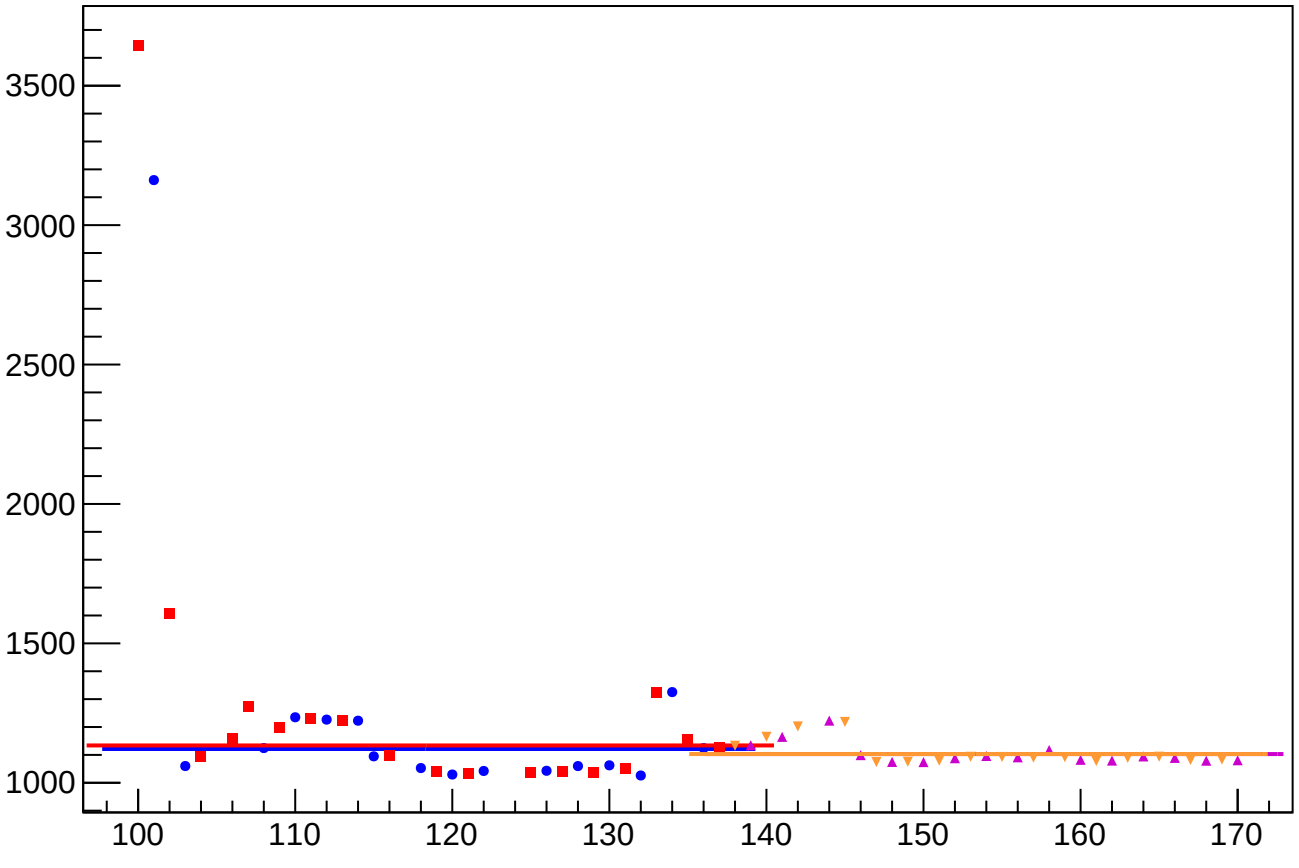
Left: 82.763+/-217.080 χ^2/NDF: 40.3/31

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 64.871+/-247.313 χ^2/NDF:42.9/31

Out: 230.398+/-251.935 χ^2/NDF:33.1/33

All: 146.102+/-176.488 χ^2/NDF: 76.2/65



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.104+/-0.220 χ^2/NDF:32469.4/15

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1103.002+/-0.215 χ^2/NDF:30058.2/15

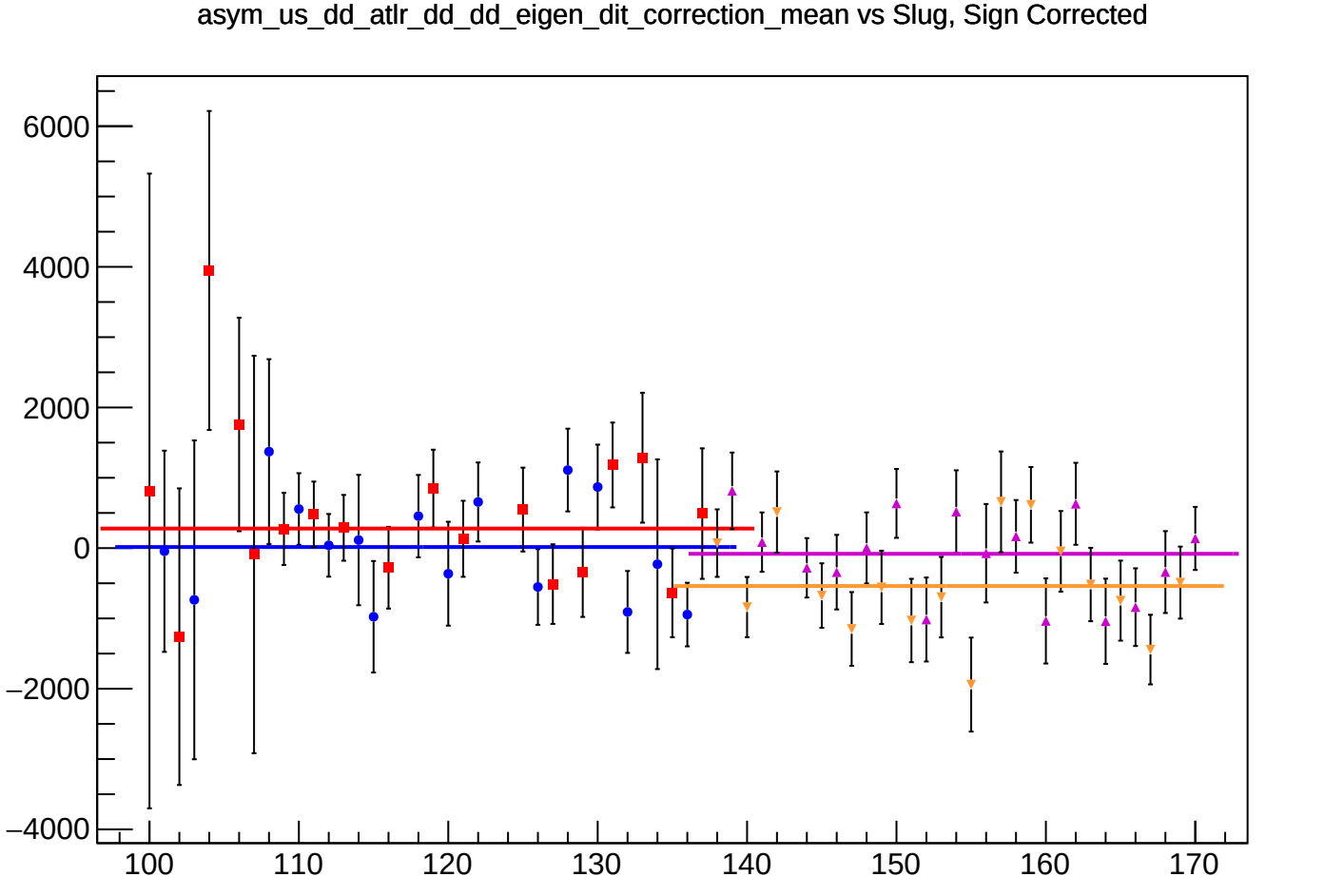
Left: 1103.051+/-0.153 χ^2/NDF: 62527.8/31

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

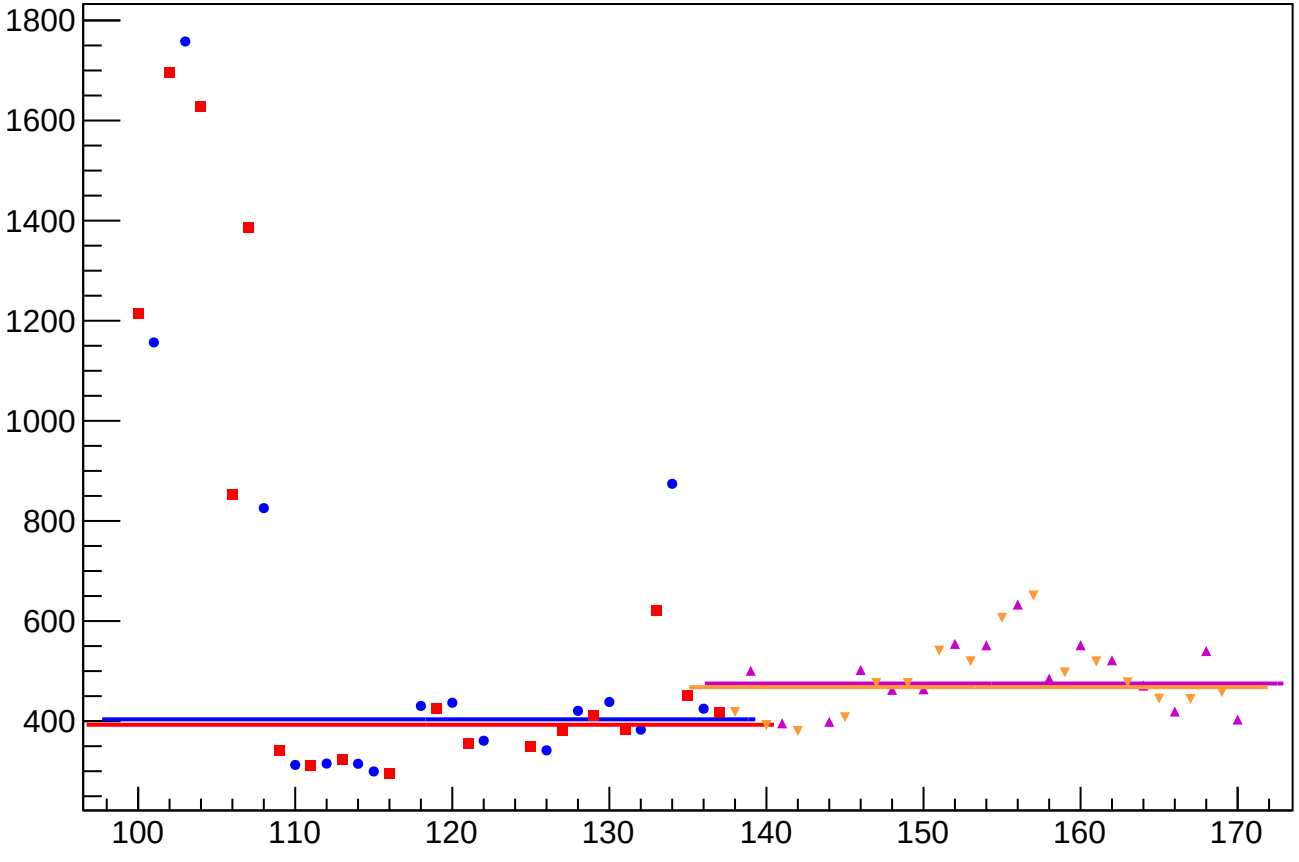
In: 1109.150+/-0.175 χ^2/NDF:649528.1/31

Out: 1113.648+/-0.178 χ^2/NDF:266665.0/33

All: 1111.357+/-0.125 χ^2/NDF: 916517.8/65


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -539.342+/-133.524 χ²/NDF:23.7/15
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -81.146+/-132.133 χ²/NDF:18.0/15
Left: -307.845+/-93.920 χ²/NDF: 47.6/31
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -42.577+/-102.354 χ²/NDF:37.8/31
Out: -200.782+/-102.205 χ²/NDF:54.2/33
All: -121.794+/-72.322 χ²/NDF: 93.3/65

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: 467.929+/-0.094 χ^2/NDF:459456.0/15

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 475.190+/-0.093 χ^2/NDF:461240.8/15

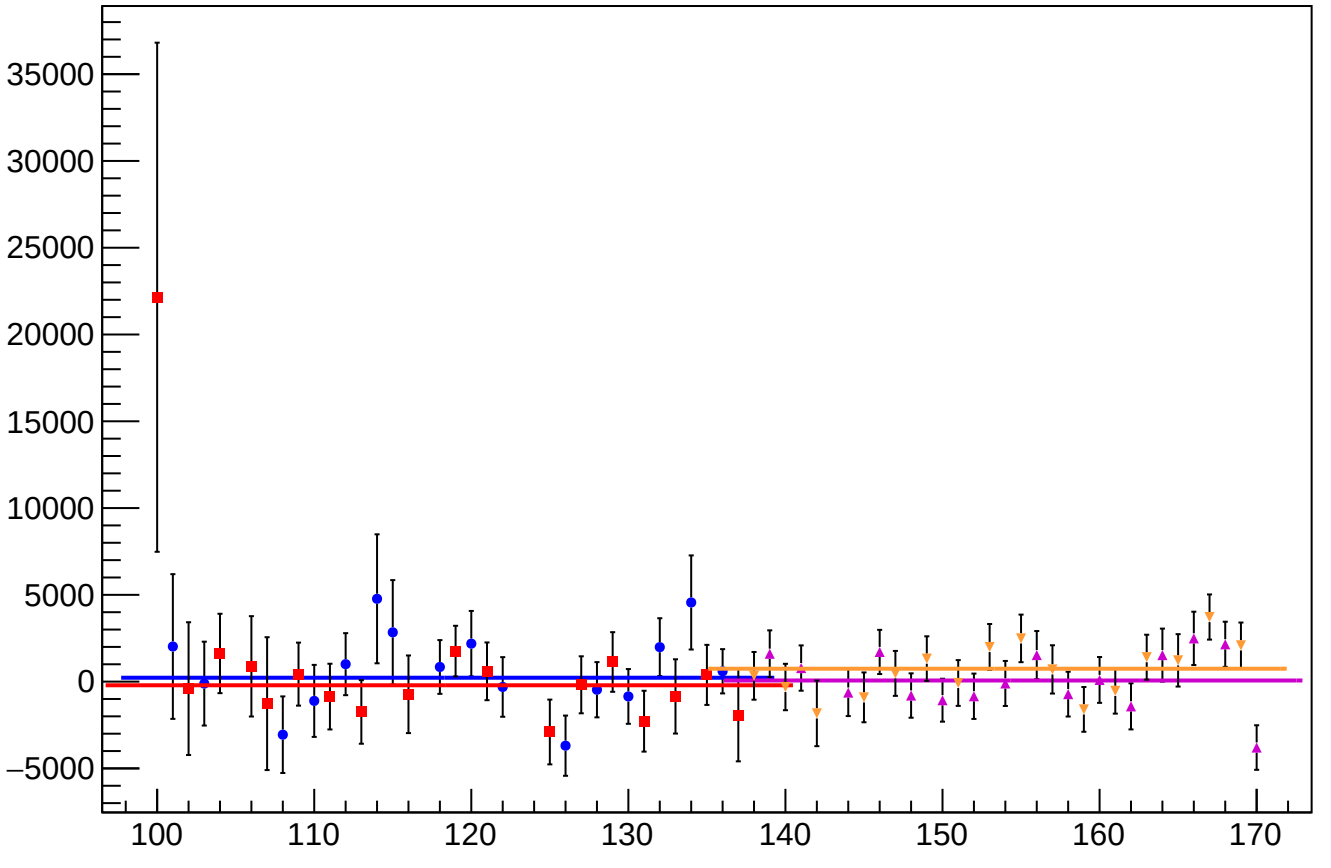
Left: 471.598+/-0.066 χ^2/NDF: 923684.8/31

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.578+/-0.072 χ^2/NDF:2625304.6/31

Out: 436.826+/-0.072 χ^2/NDF:2924998.0/33

All: 441.695+/-0.051 χ^2/NDF: 5559394.6/65



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 744.463+/-340.297 χ^2/NDF:17.9/15

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 65.689+/-332.261 χ^2/NDF:23.1/15

Left: 396.967+/-237.734 χ^2/NDF: 43.1/31

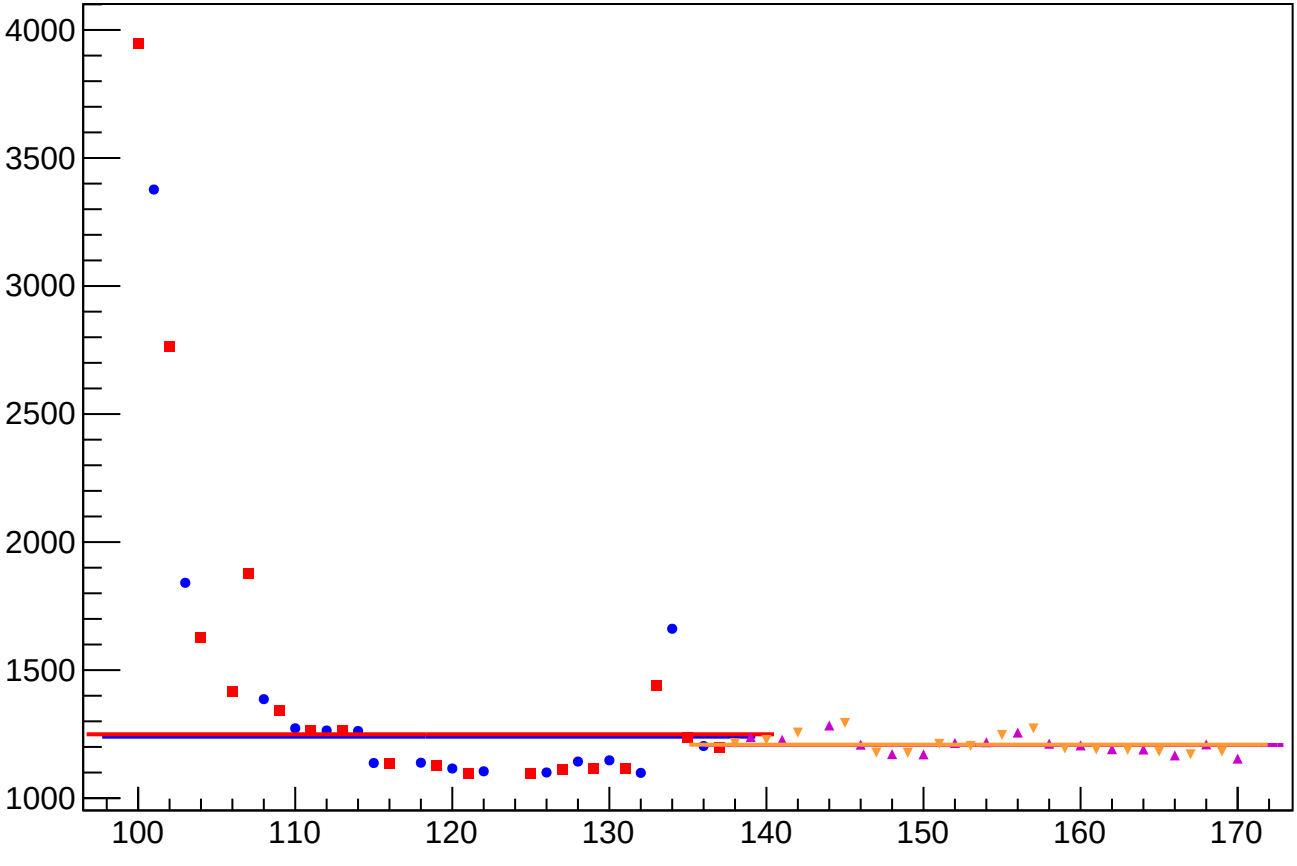
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 118.034+/-272.180 χ^2/NDF:39.3/31

Out: 423.349+/-277.186 χ^2/NDF:31.5/33

All: 267.910+/-194.206 χ^2/NDF: 71.5/65

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1208.855+/-0.241 χ^2/NDF:21016.4/15

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1207.620+/-0.235 χ^2/NDF:19309.6/15

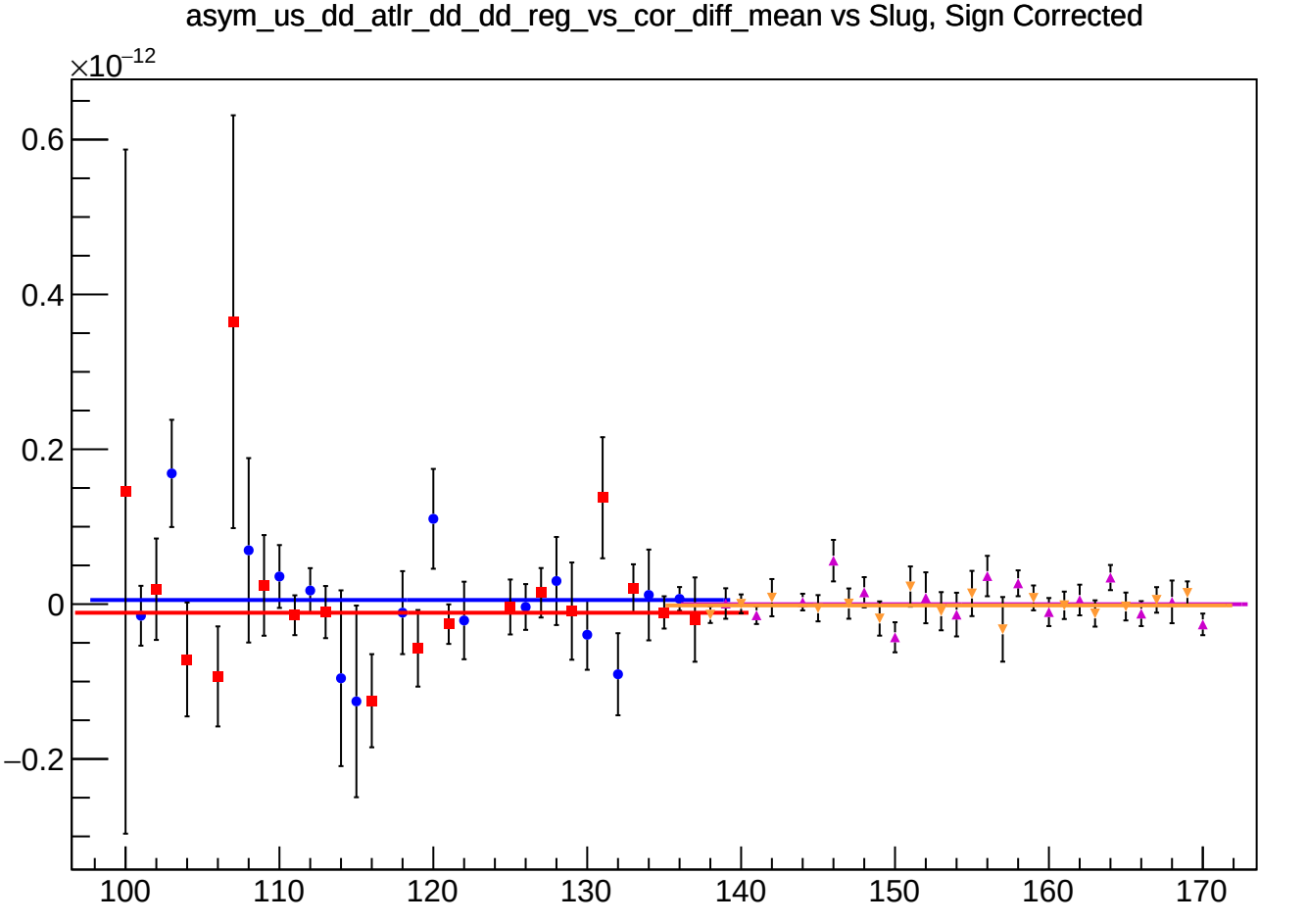
Left: 1208.223+/-0.168 χ^2/NDF: 40339.5/31

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1218.318+/-0.192 χ^2/NDF:808291.5/31

Out: 1222.503+/-0.196 χ^2/NDF:636675.1/33

All: 1220.372+/-0.137 χ^2/NDF: 1445198.7/65



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/15

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

Left In: -0.000+/-0.000 χ^2/NDF:25.3/15

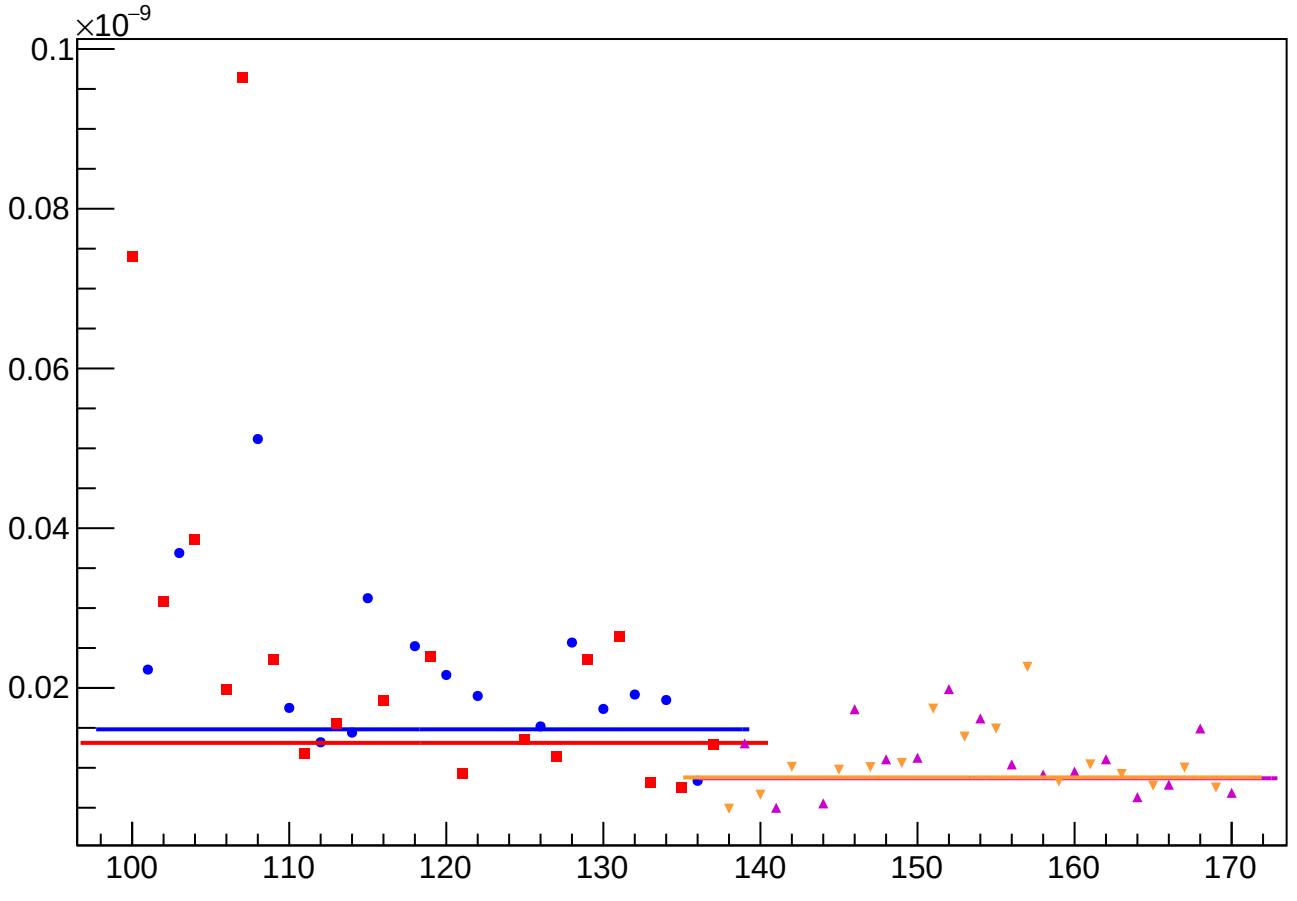
Left: -0.000+/-0.000 χ^2/NDF: 31.4/31

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:41.9/31

Out: -0.000+/-0.000 χ^2/NDF:21.9/33

All: -0.000+/-0.000 χ^2/NDF: 64.4/65



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035644.6/15

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1353436.2/15

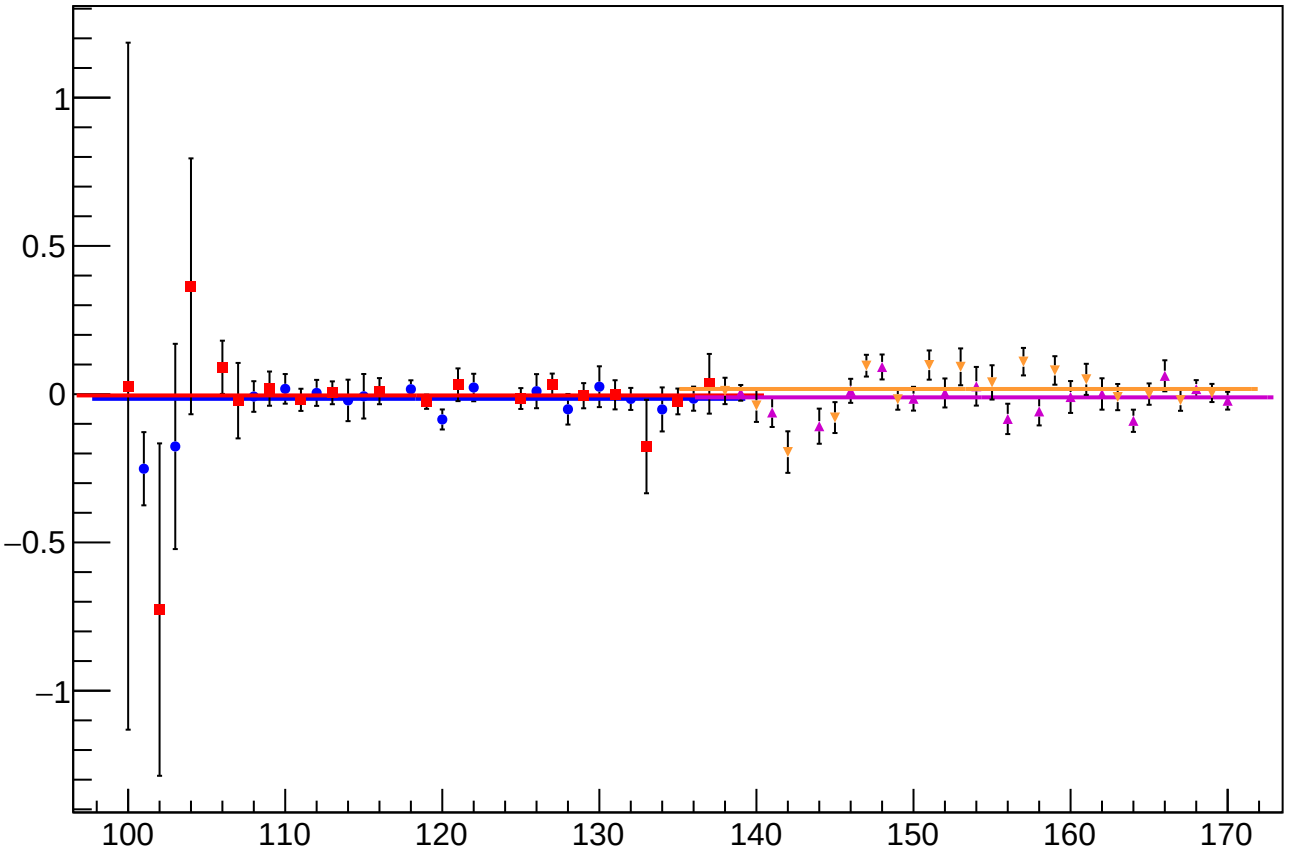
Left: 0.000+/-0.000 χ^2/NDF: 2389703.0/31

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3104733.1/31

Out: 0.000+/-0.000 χ^2/NDF:2566769.5/33

All: 0.000+/-0.000 χ^2/NDF: 5673021.8/65



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:31.4/15

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.2/15

Left: 0.003+/-0.008 χ^2/NDF: 56.2/31

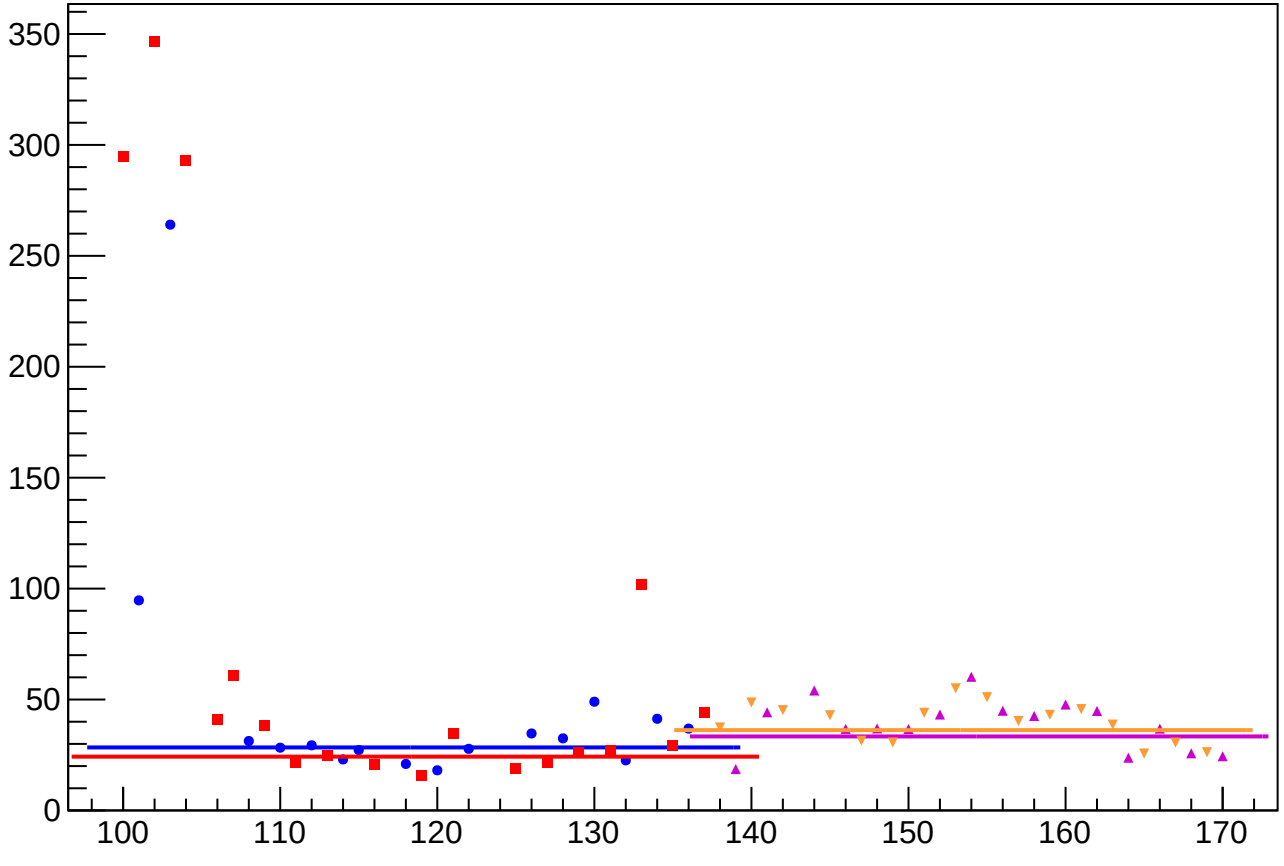
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.007+/-0.008 χ^2/NDF:41.2/33

All: -0.003+/-0.006 χ^2/NDF: 77.5/65

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.199+/-0.008 χ^2/NDF:1179349.6/15

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.365+/-0.007 χ^2/NDF:2283473.7/15

Left: 34.695+/-0.005 χ^2/NDF: 3533661.2/31

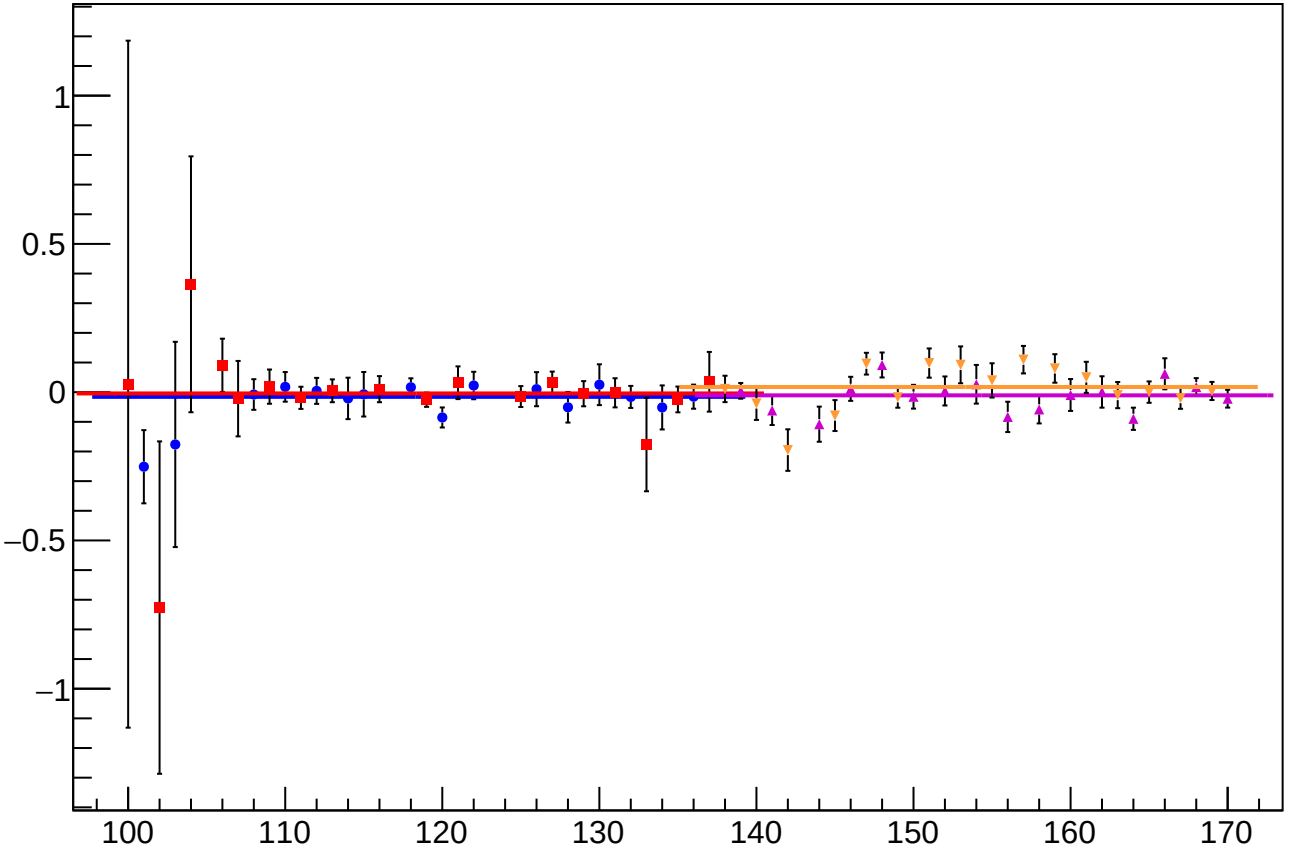
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.321+/-0.006 χ^2/NDF:4719435.2/31

Out: 30.476+/-0.006 χ^2/NDF:5228716.2/33

All: 30.899+/-0.004 χ^2/NDF: 9959533.2/65

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: 0.018+/-0.011 χ^2/NDF:31.4/15

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.2/15

Left: 0.003+/-0.008 χ^2/NDF: 56.2/31

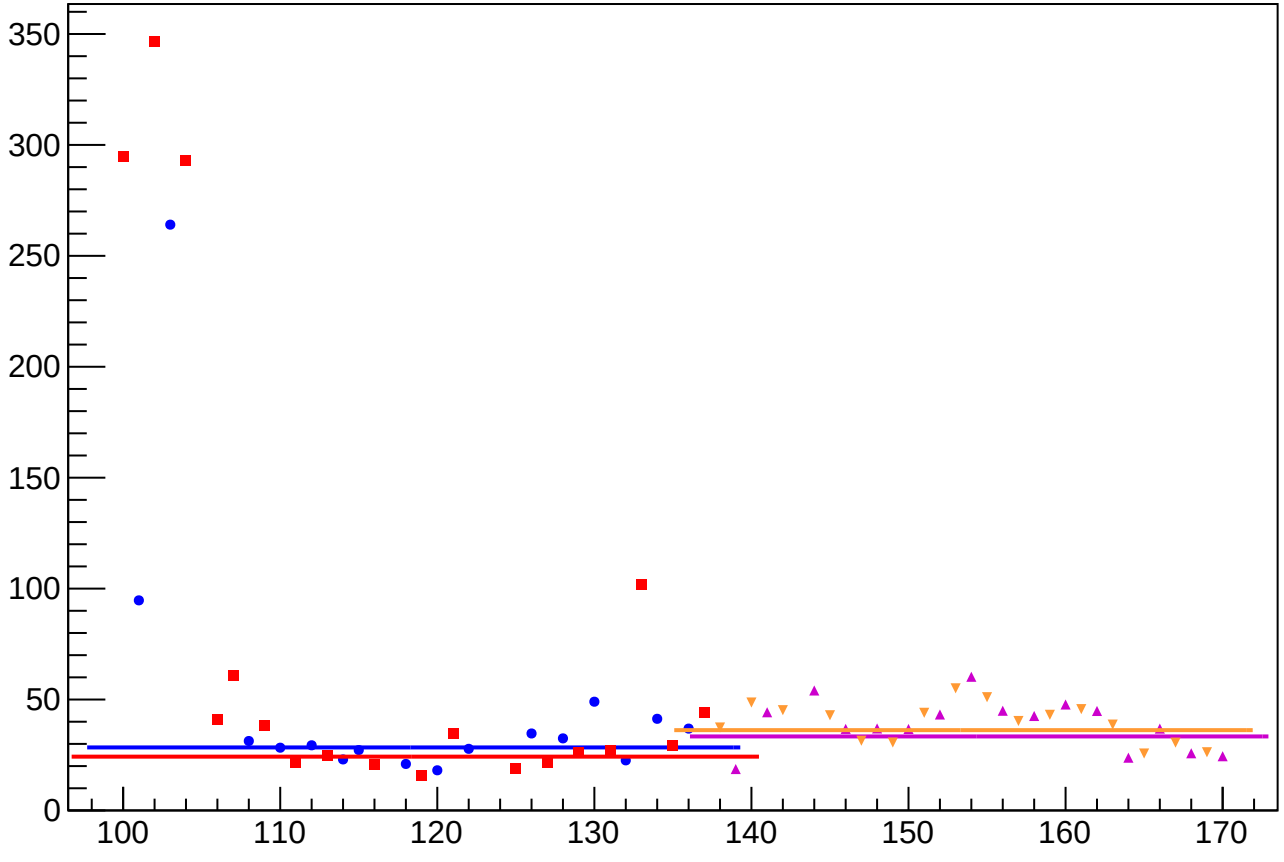
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.007+/-0.008 χ^2/NDF:41.2/33

All: -0.003+/-0.006 χ^2/NDF: 77.5/65

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: 36.199+/-0.008 χ^2/NDF:1179349.6/15

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.365+/-0.007 χ^2/NDF:2283473.7/15

Left: 34.695+/-0.005 χ^2/NDF: 3533661.2/31

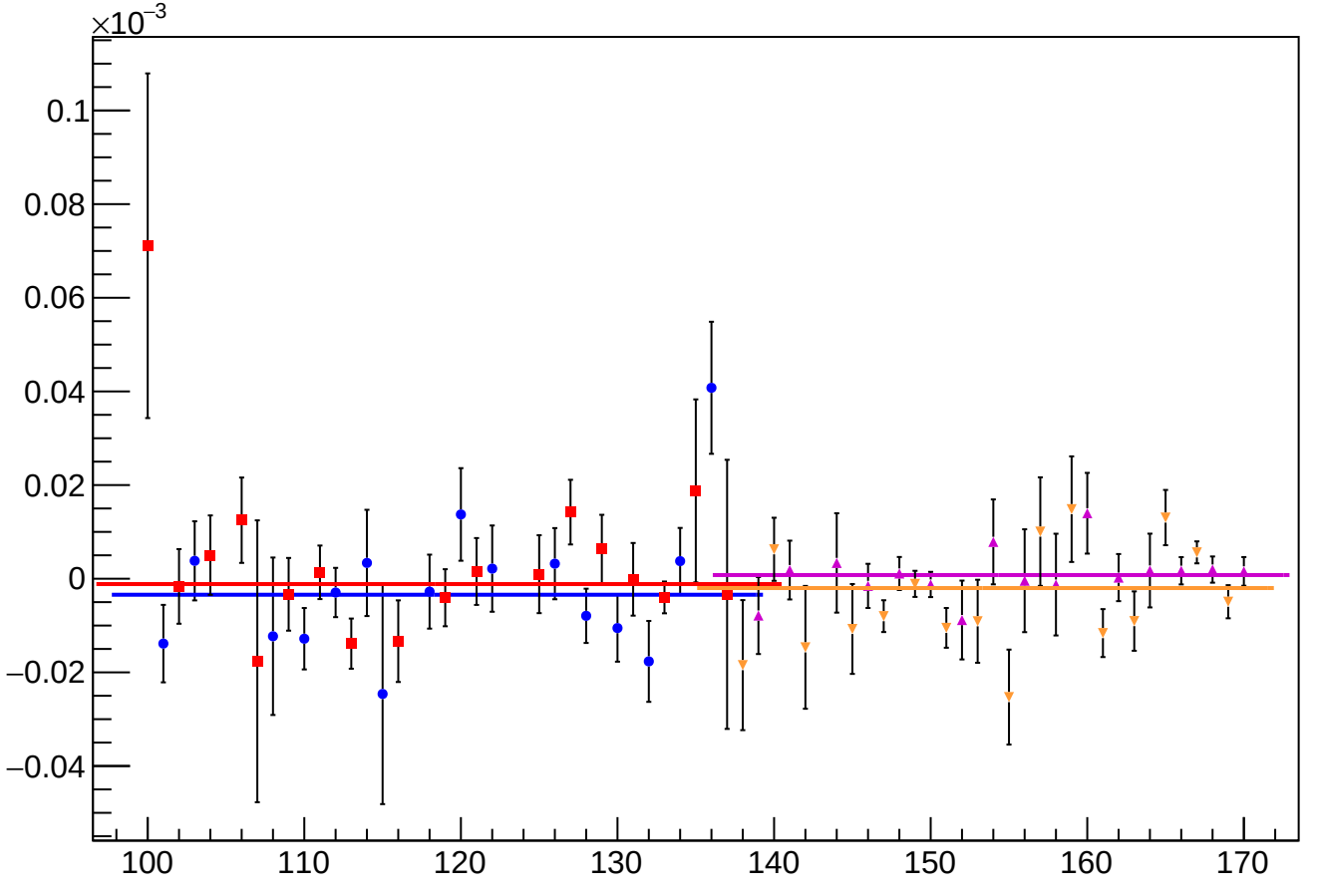
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.321+/-0.006 χ^2/NDF:4719435.2/31

Out: 30.476+/-0.006 χ^2/NDF:5228716.2/33

All: 30.899+/-0.004 χ^2/NDF: 9959533.2/65

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:43.7/15

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.7/15

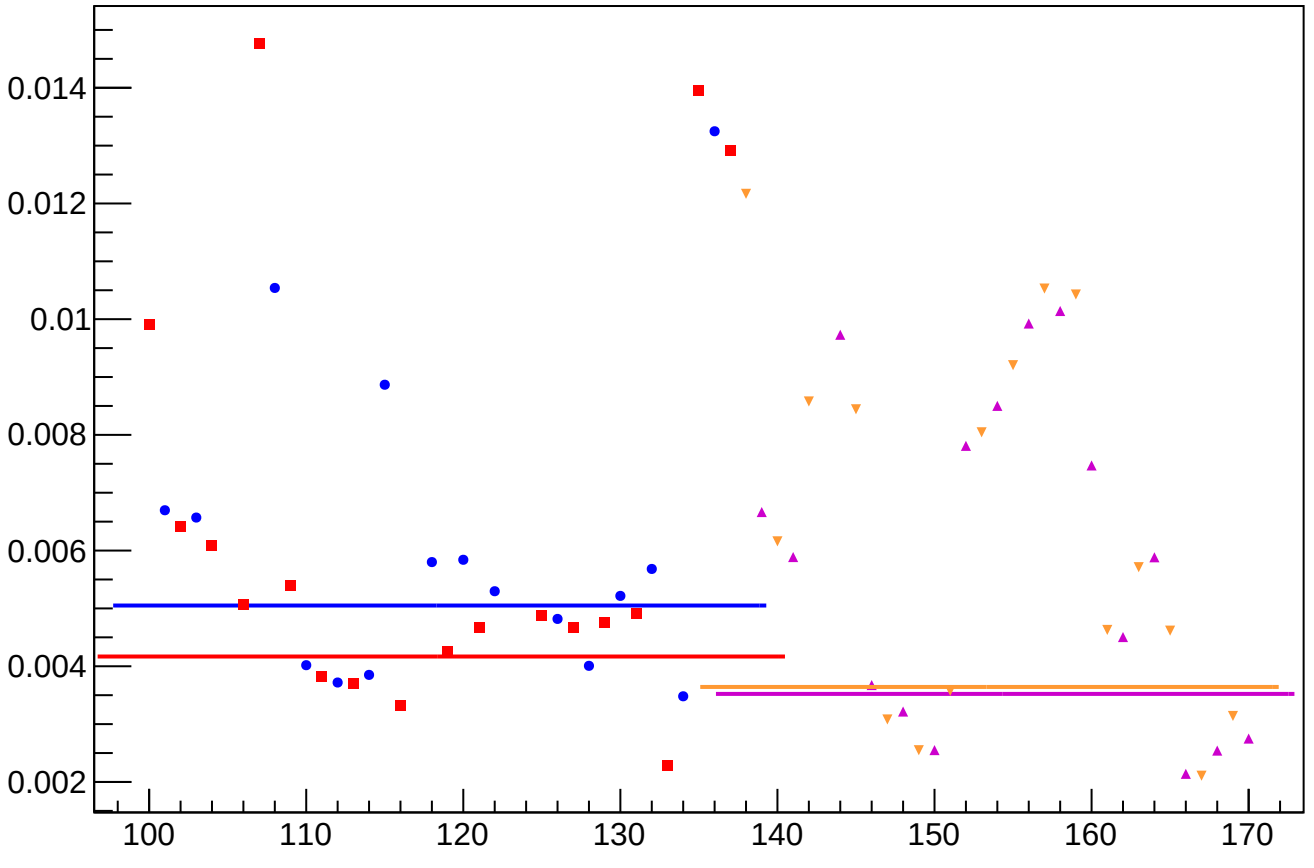
Left: -0.000+/-0.000 χ^2/NDF: 53.2/31

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.1/31

Out: -0.000+/-0.000 χ^2/NDF:66.8/33

All: -0.000+/-0.000 χ^2/NDF: 103.1/65



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:5941551.7/15

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:5581648.8/15

Left: 0.004+/-0.000 χ^2/NDF: 11533900.5/31

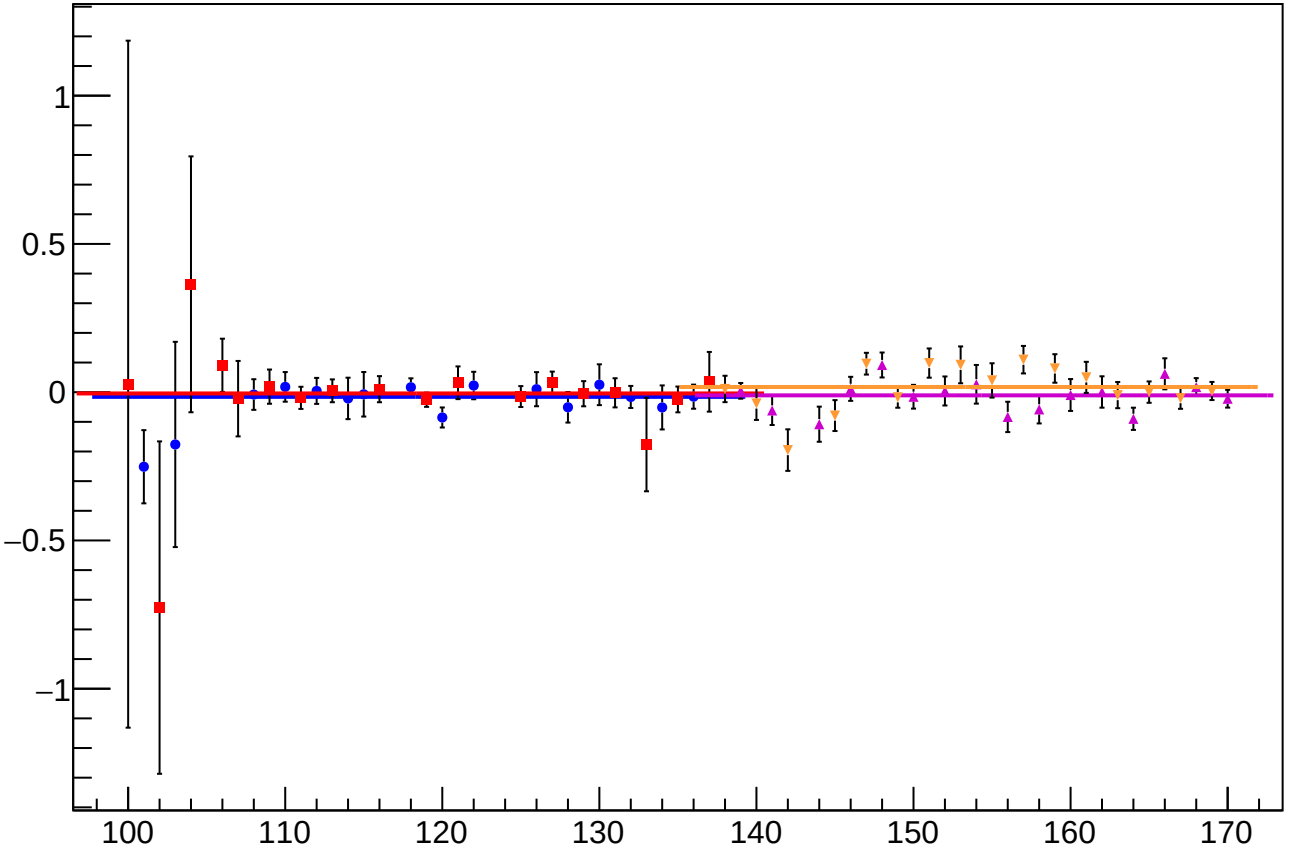
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:7942646.6/31

Out: 0.004+/-0.000 χ^2/NDF:8112216.2/33

All: 0.004+/-0.000 χ^2/NDF: 16060185.7/65

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:31.4/15

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.2/15

Left: 0.003+/-0.008 χ^2/NDF: 56.2/31

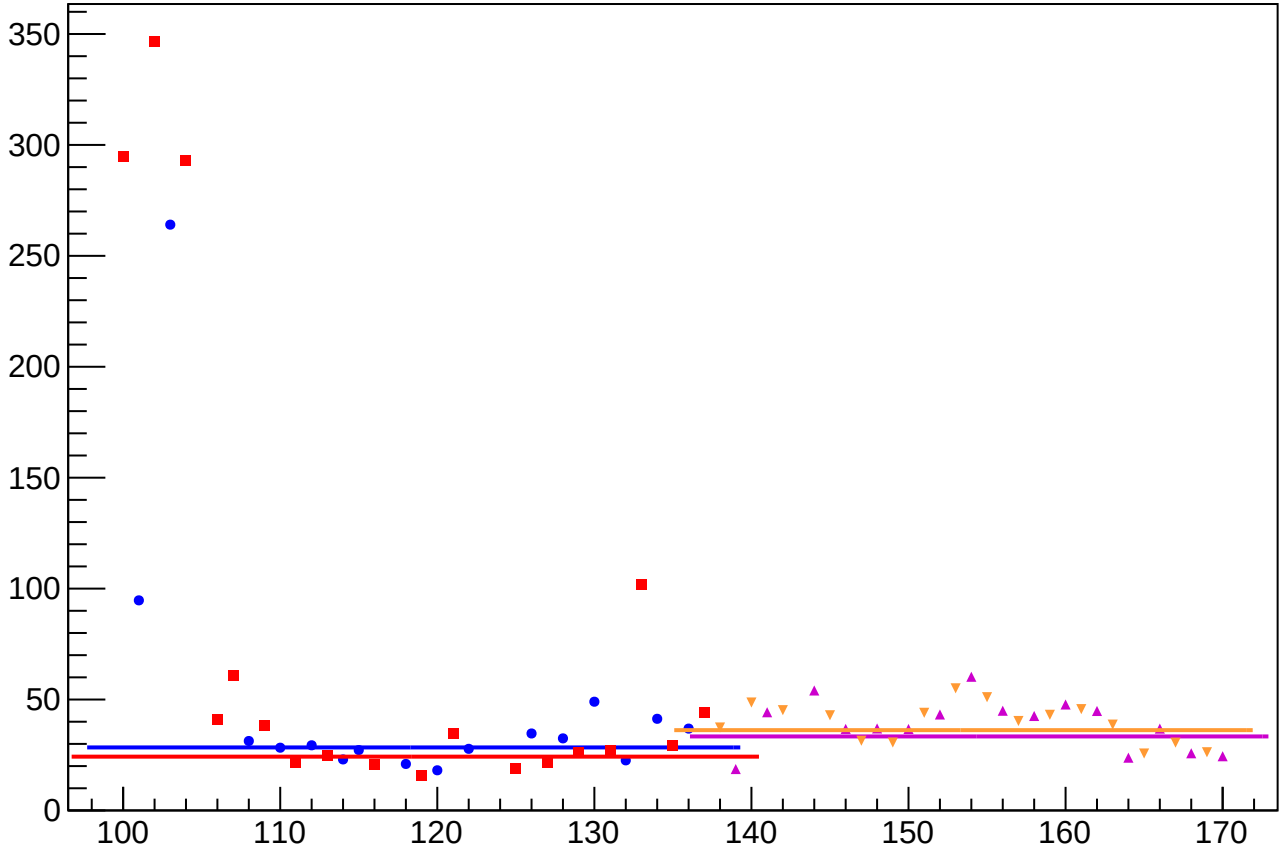
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.007+/-0.008 χ^2/NDF:41.2/33

All: -0.003+/-0.006 χ^2/NDF: 77.5/65

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: 36.199+/-0.008 χ^2/NDF:1179525.7/15

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.365+/-0.007 χ^2/NDF:2283907.4/15

Left: 34.695+/-0.005 χ^2/NDF: 3534269.0/31

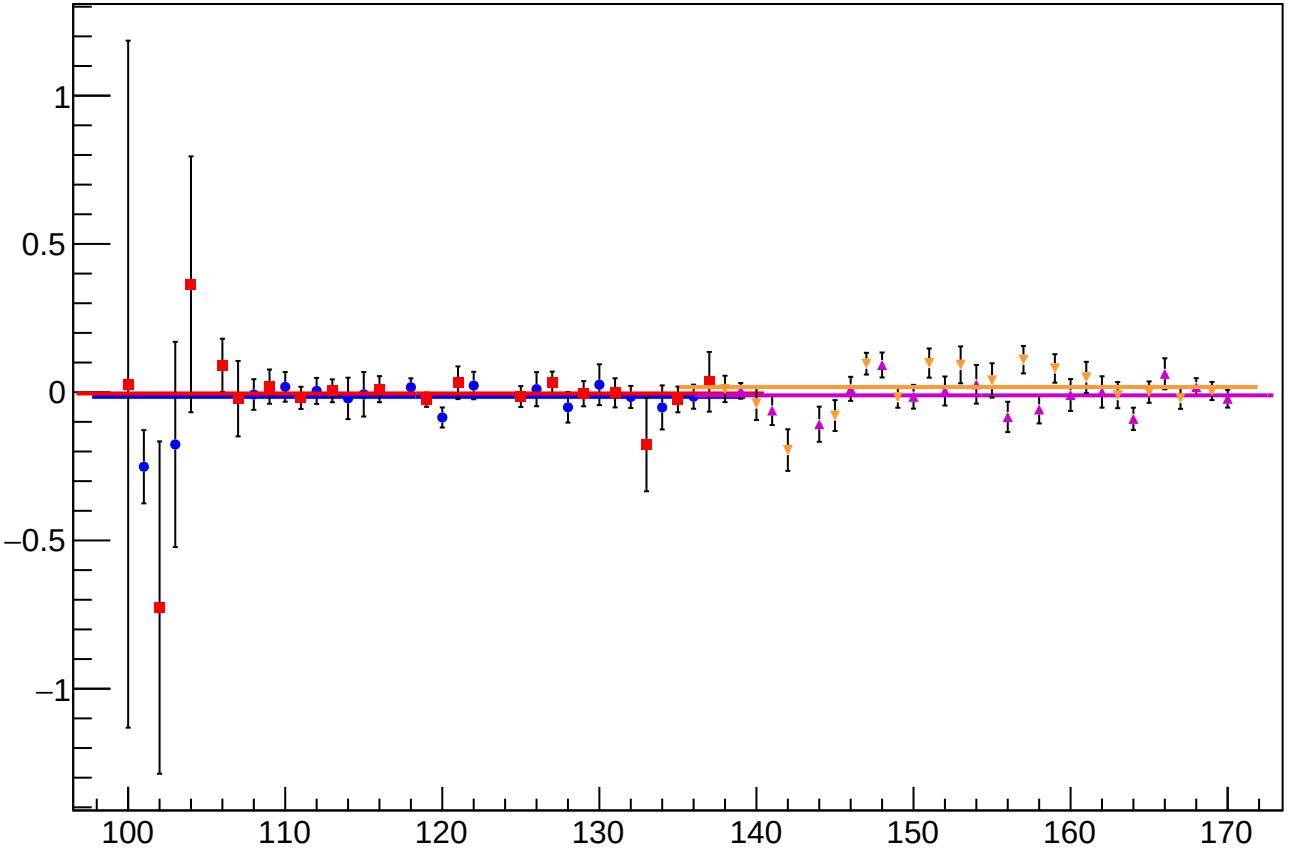
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.320+/-0.006 χ^2/NDF:4719866.8/31

Out: 30.475+/-0.006 χ^2/NDF:5229415.1/33

All: 30.898+/-0.004 χ^2/NDF: 9960691.0/65

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.018+/-0.011 χ^2/NDF:31.4/15

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.2/15

Left: 0.003+/-0.008 χ^2/NDF: 56.2/31

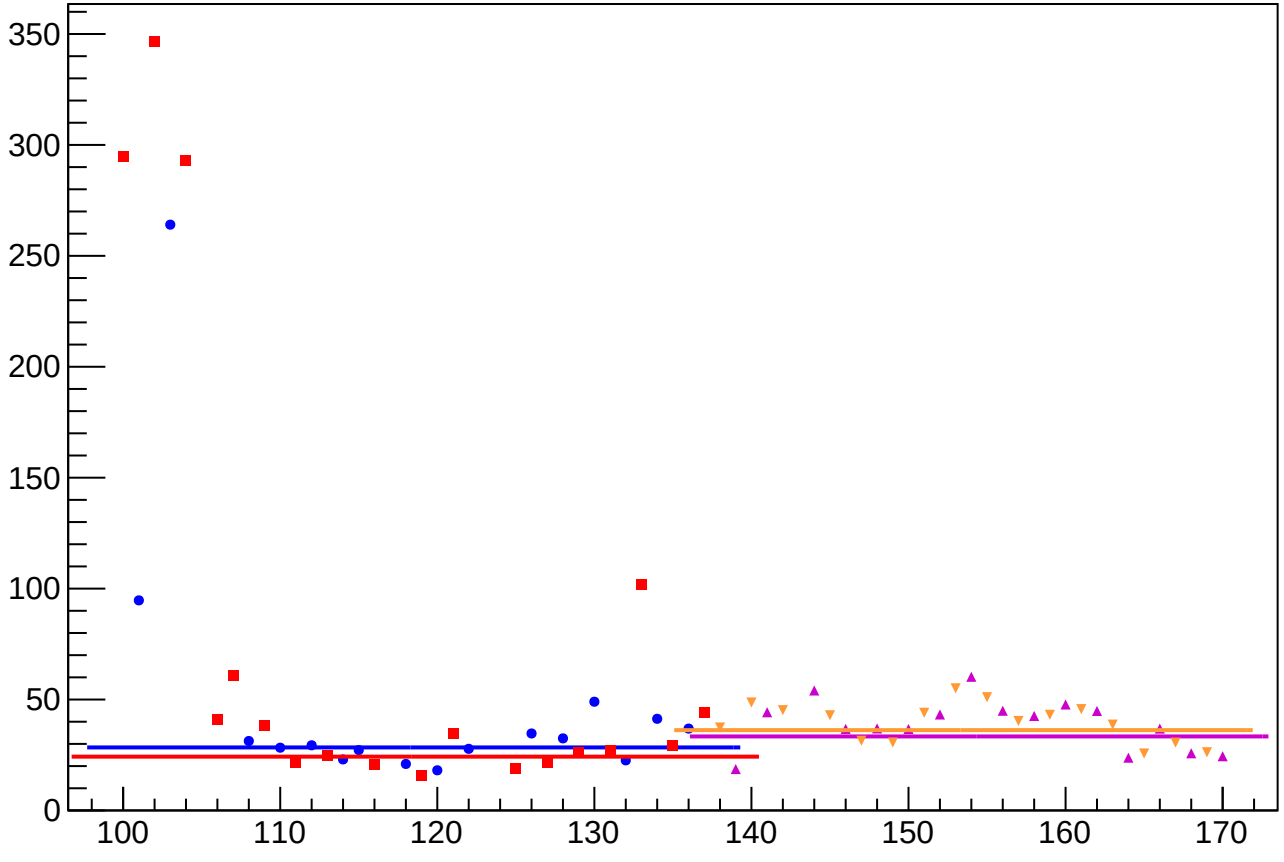
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.007+/-0.008 χ^2/NDF:41.2/33

All: -0.003+/-0.006 χ^2/NDF: 77.5/65

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: 36.199+/-0.008 χ^2/NDF:1179525.7/15

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.365+/-0.007 χ^2/NDF:2283907.4/15

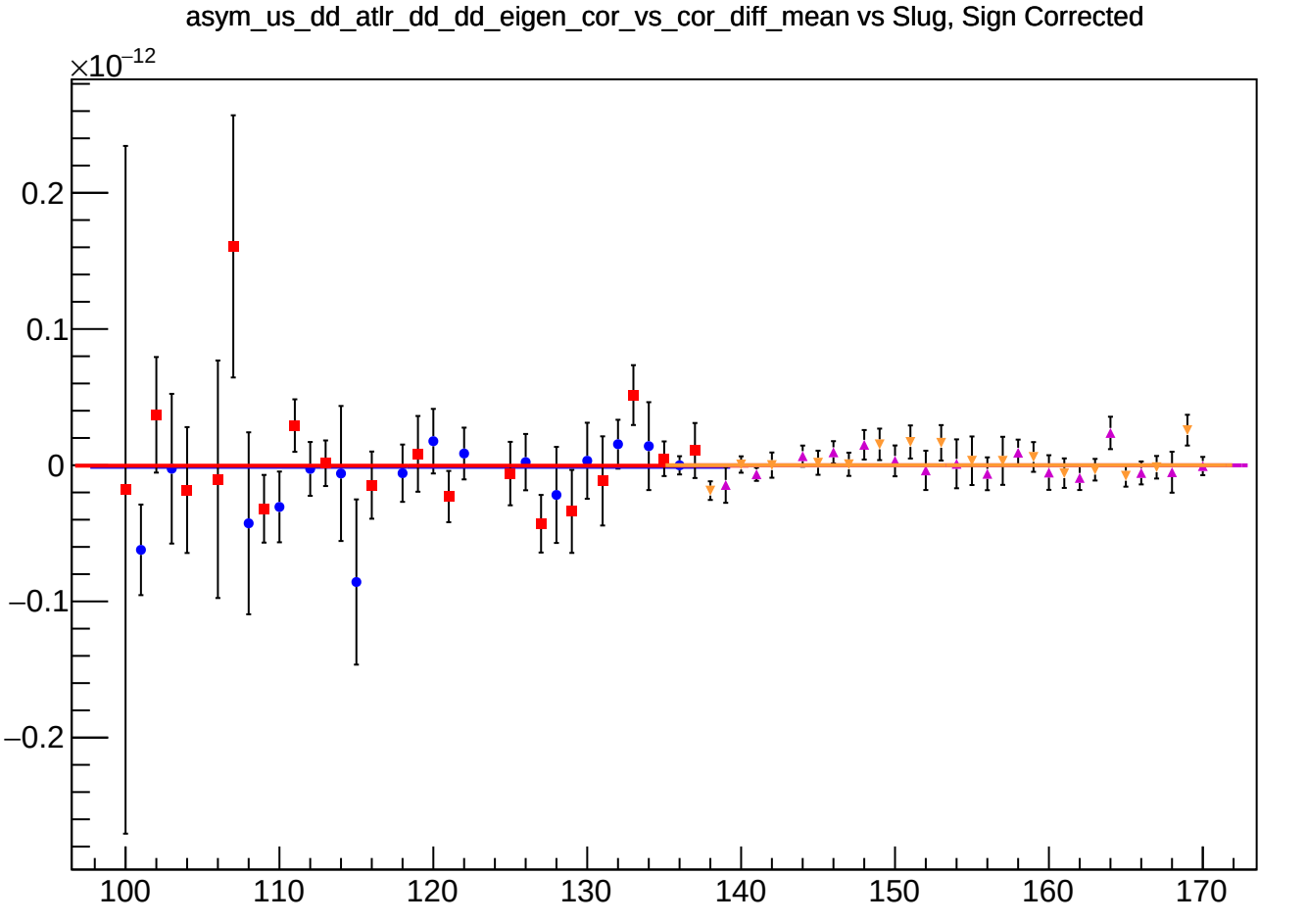
Left: 34.695+/-0.005 χ^2/NDF: 3534269.0/31

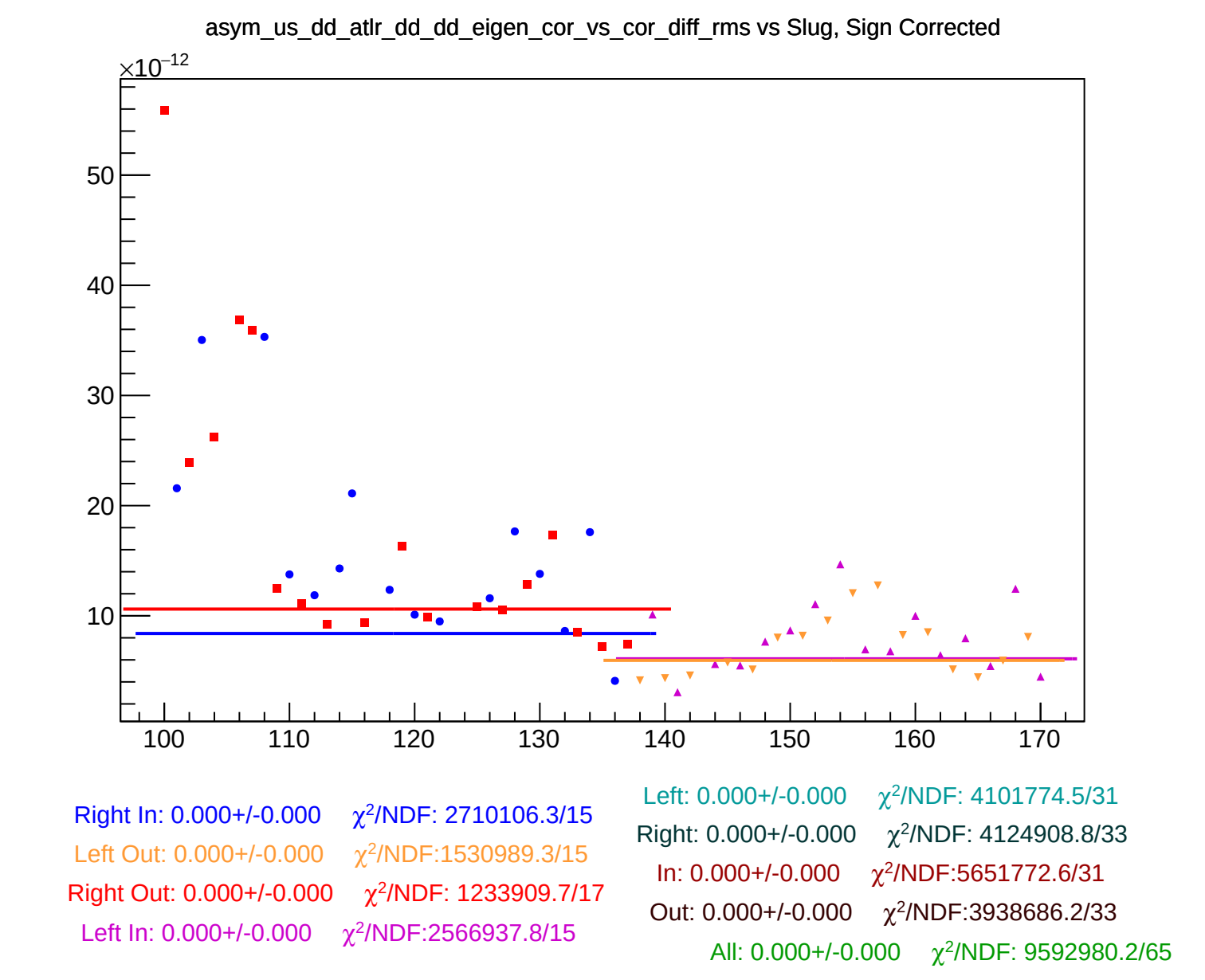
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.320+/-0.006 χ^2/NDF:4719866.8/31

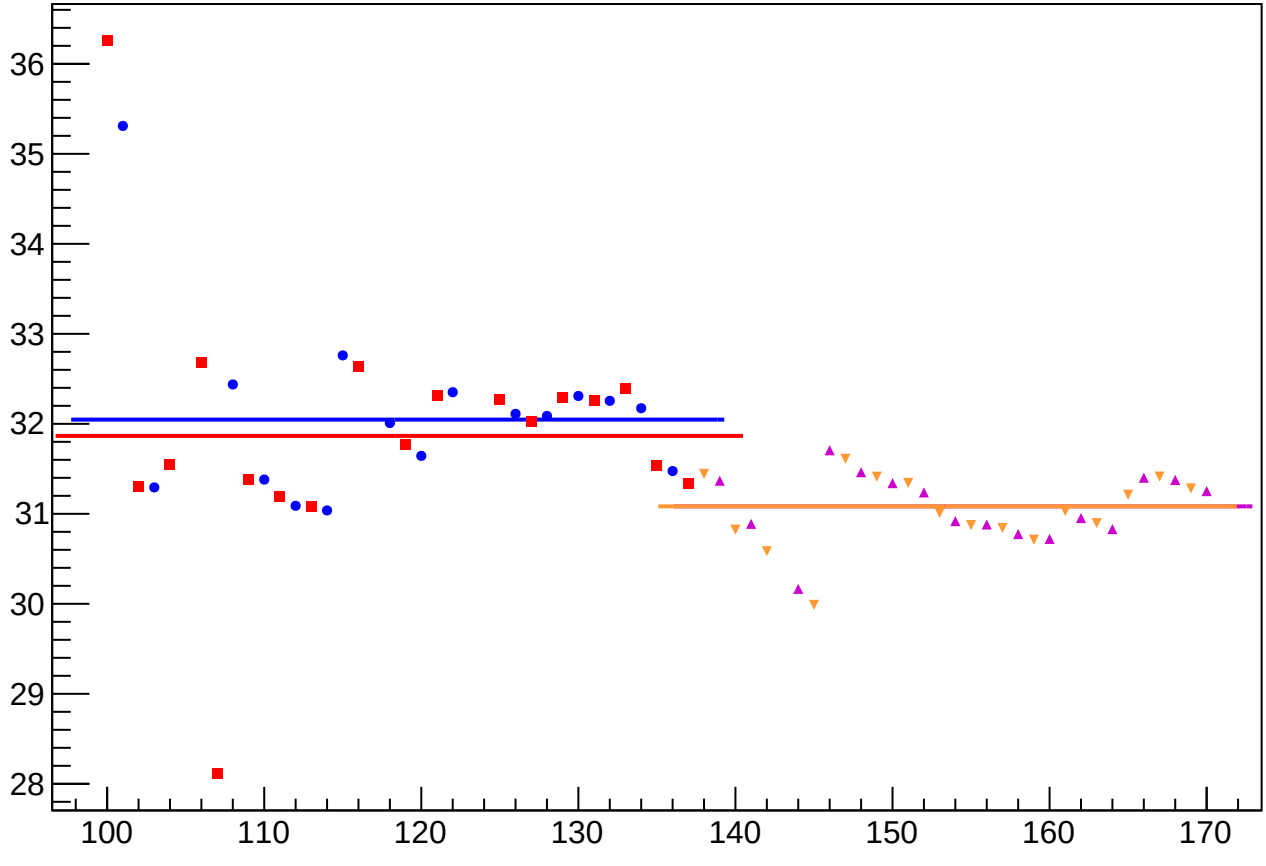
Out: 30.475+/-0.006 χ^2/NDF:5229415.1/33

All: 30.898+/-0.004 χ^2/NDF: 9960691.0/65


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.4/15
Left Out: 0.000+/-0.000 χ²/NDF:19.8/15
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/15
Left: -0.000+/-0.000 χ²/NDF: 34.1/31
Right: -0.000+/-0.000 χ²/NDF: 30.5/33
In: -0.000+/-0.000 χ²/NDF:23.7/31
Out: -0.000+/-0.000 χ²/NDF:40.9/33
All: -0.000+/-0.000 χ²/NDF: 64.6/65


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:1530989.3/15
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2566937.8/15
Left: 0.000+/-0.000 χ²/NDF: 4101774.5/31
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:5651772.6/31
Out: 0.000+/-0.000 χ²/NDF:3938686.2/33
All: 0.000+/-0.000 χ²/NDF: 9592980.2/65

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.083+/-0.000 χ^2/NDF:244605774.8/15

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.083+/-0.000 χ^2/NDF:251013635.7/15

Left: 31.083+/-0.000 χ^2/NDF: 495619516.0/31

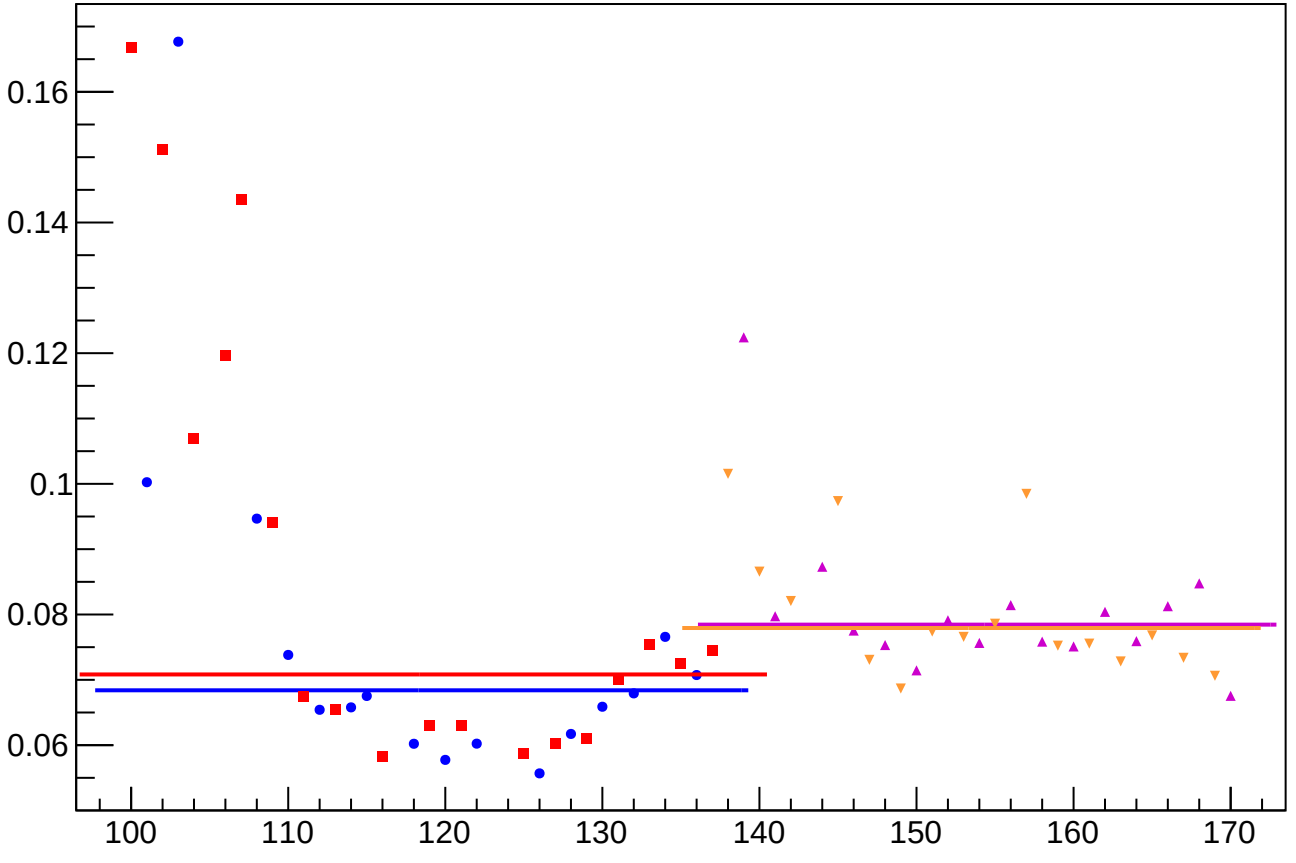
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.479+/-0.000 χ^2/NDF:1882828500.2/31

Out: 31.397+/-0.000 χ^2/NDF:1186536856.1/33

All: 31.439+/-0.000 χ^2/NDF: 3080037313.6/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.078+/-0.000 χ^2/NDF:281552.6/15

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.078+/-0.000 χ^2/NDF:299908.1/15

Left: 0.078+/-0.000 χ^2/NDF: 581964.3/31

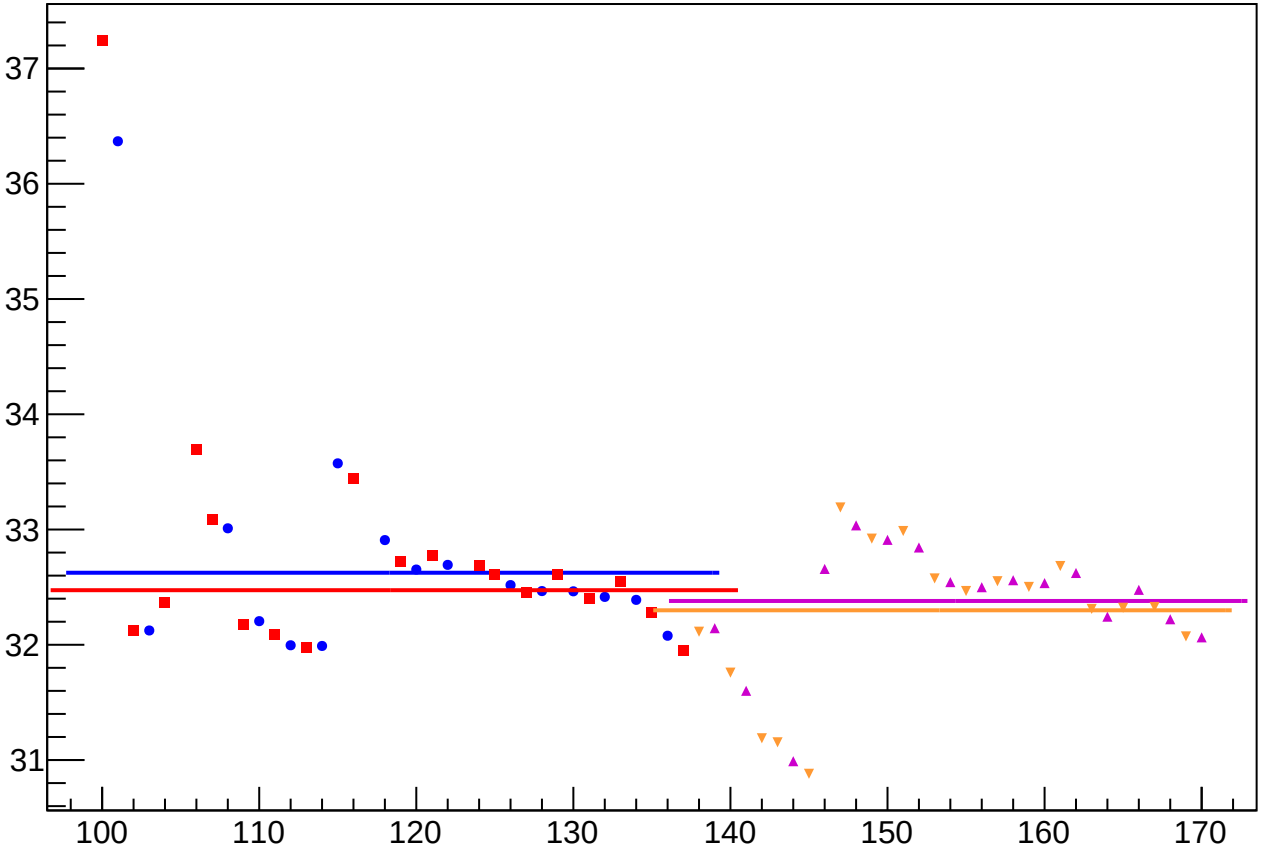
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1162469.0/31

Out: 0.075+/-0.000 χ^2/NDF:1225004.0/33

All: 0.075+/-0.000 χ^2/NDF: 2389320.1/65

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.299+/-0.000 χ^2/NDF:780588645.0/16

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.380+/-0.000 χ^2/NDF:550671153.7/15

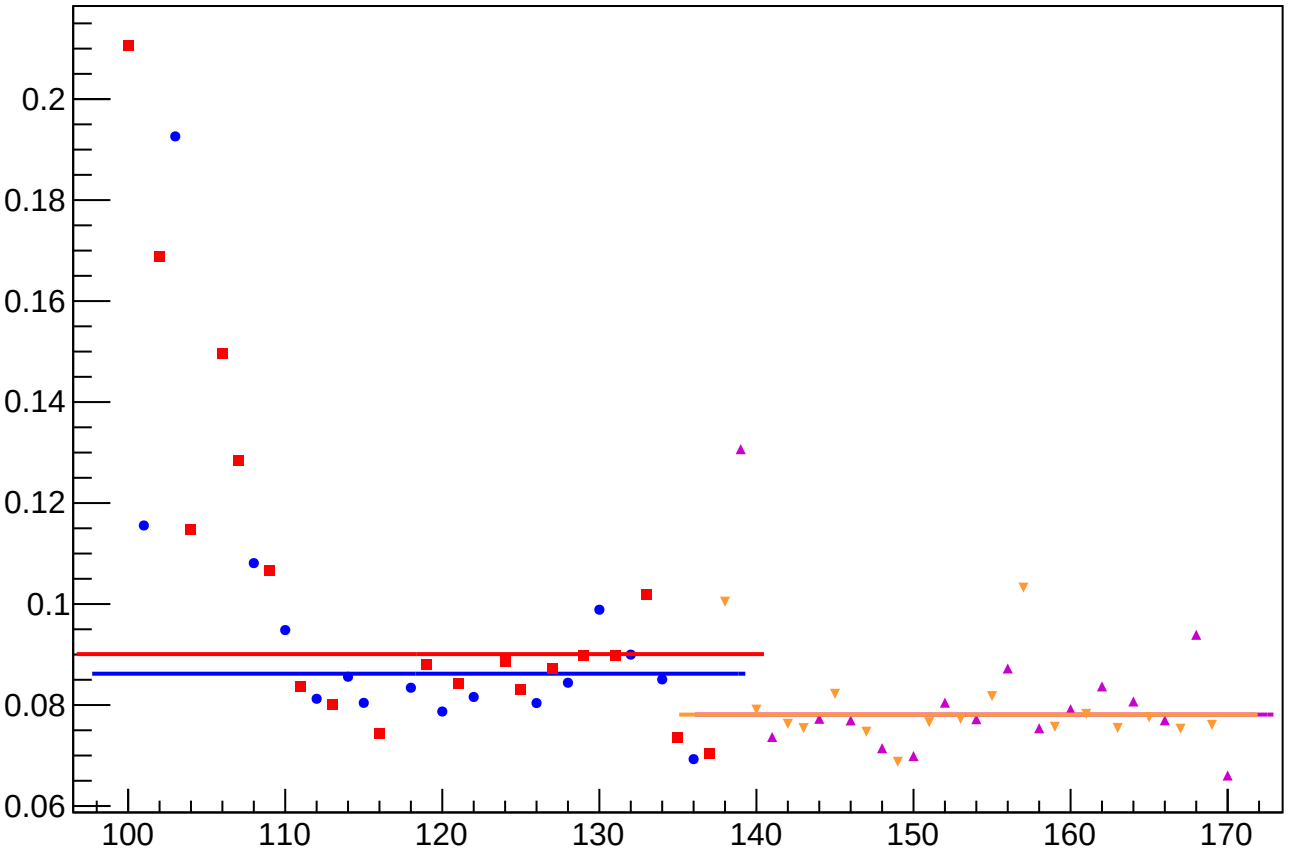
Left: 32.339+/-0.000 χ^2/NDF: 1337736720.1/32

Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

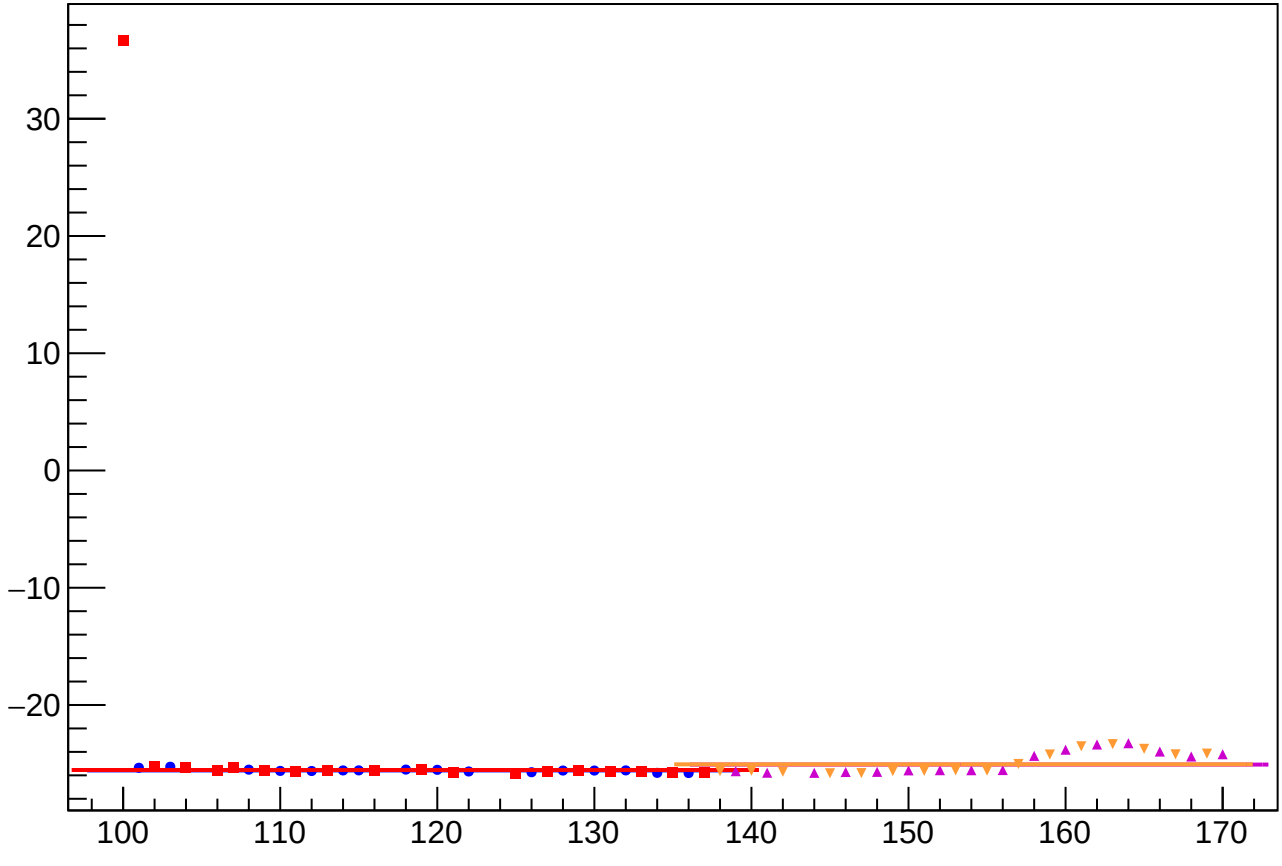
In: 32.454+/-0.000 χ^2/NDF:1325276772.3/31

Out: 32.349+/-0.000 χ^2/NDF:954640192.2/35

All: 32.402+/-0.000 χ^2/NDF: 2295235651.9/6


yield_usr_rms vs Slug, Sign Corrected
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
110
120
130
140
150
160
170
Right In: 0.086+/-0.000 χ²/NDF: 598718.4/15
Left Out: 0.078+/-0.000 χ²/NDF:201381.4/16
Right Out: 0.090+/-0.000 χ²/NDF: 621848.1/18
Left In: 0.078+/-0.000 χ²/NDF:432401.7/15
Left: 0.078+/-0.000 χ²/NDF: 633783.2/32
Right: 0.088+/-0.000 χ²/NDF: 1232875.9/34
In: 0.081+/-0.000 χ²/NDF:1108601.3/31
Out: 0.082+/-0.000 χ²/NDF:986092.3/35
All: 0.081+/-0.000 χ²/NDF: 2097399.9/67

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.062+/-0.000 χ^2/NDF:4384727971.3/15

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.082+/-0.000 χ^2/NDF:4675176376.3/15

Left: -25.072+/-0.000 χ^2/NDF: 9061150783.0/31

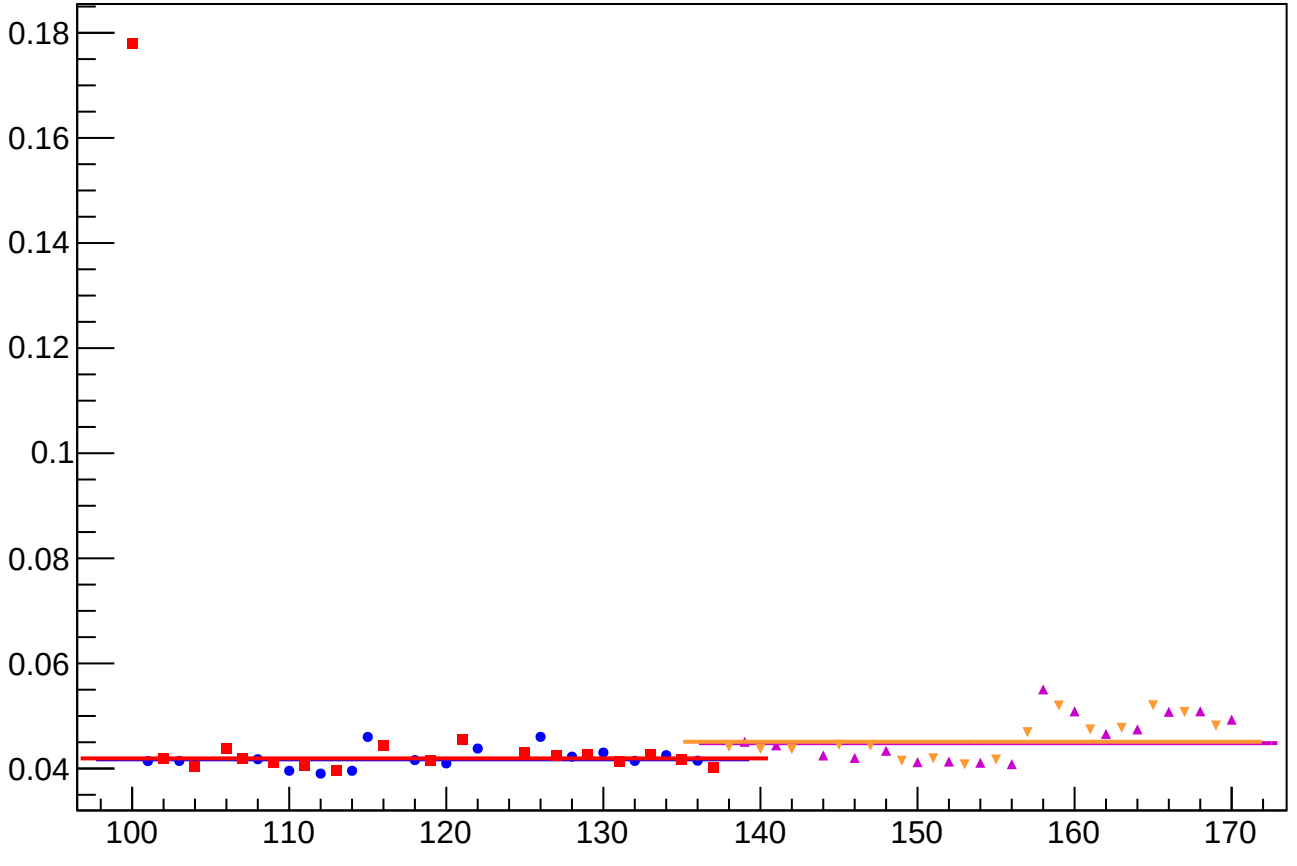
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.276+/-0.000 χ^2/NDF:5391757826.7/31

Out: -25.257+/-0.000 χ^2/NDF:13860454185.2/33

All: -25.267+/-0.000 χ^2/NDF: 19254077959.4

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:141722.1/15

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:210889.5/15

Left: 0.045+/-0.000 χ^2/NDF: 353048.2/31

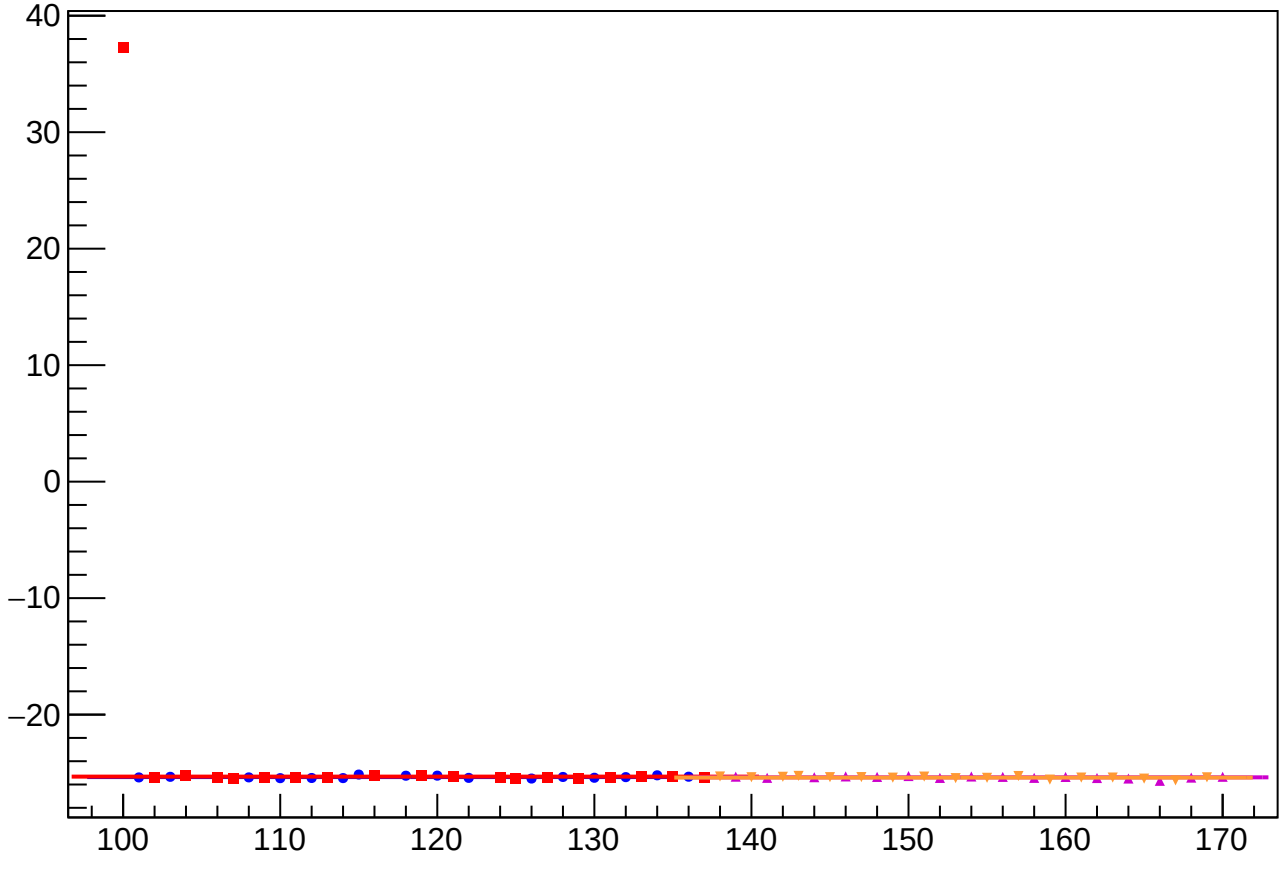
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:279203.1/31

Out: 0.044+/-0.000 χ^2/NDF:290999.6/33

All: 0.044+/-0.000 χ^2/NDF: 570560.2/65

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.405+/-0.000 χ^2/NDF:42330844.2/16

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.384+/-0.000 χ^2/NDF:33112255.6/15

Left: -25.394+/-0.000 χ^2/NDF: 76336101.4/32

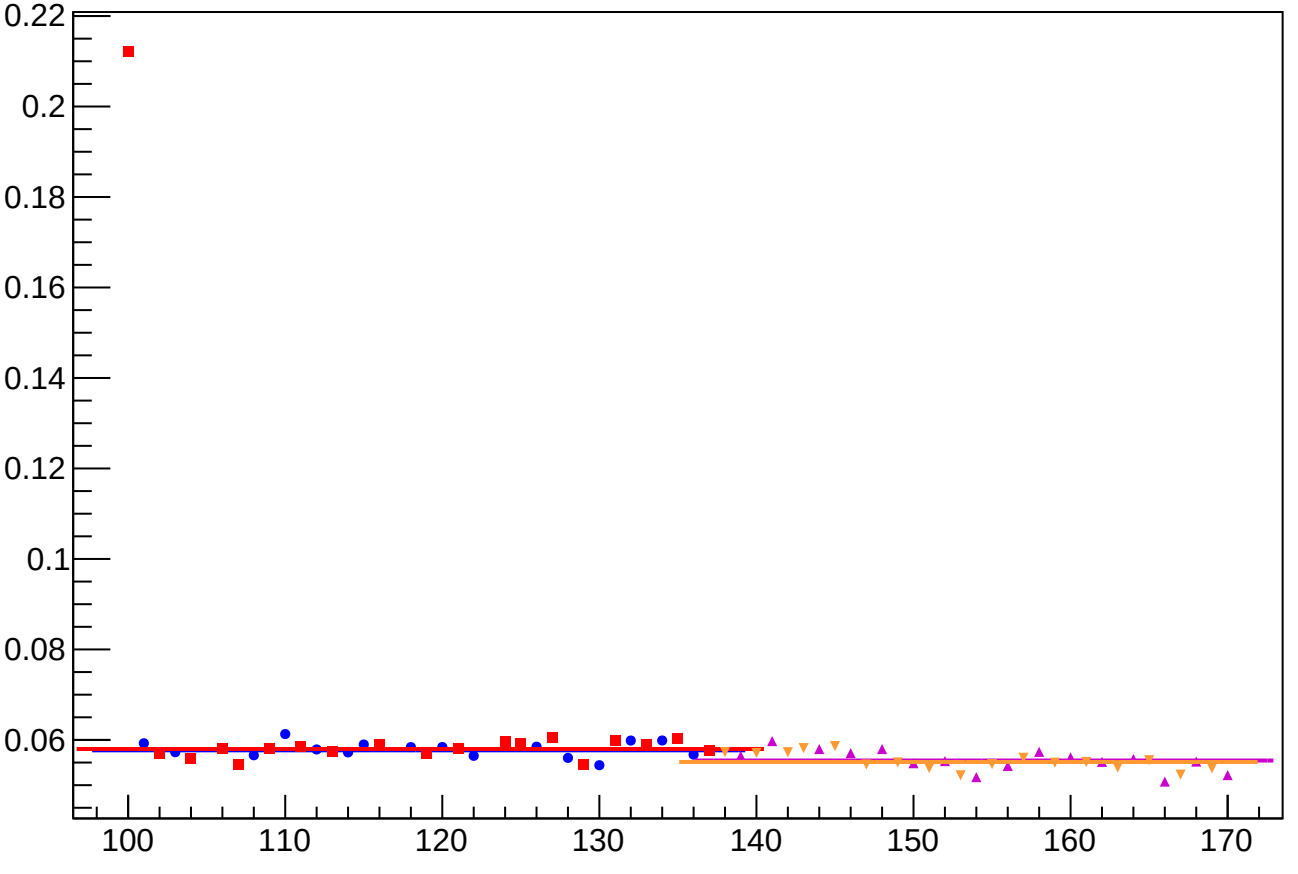
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.376+/-0.000 χ^2/NDF:47181603.5/31

Out: -25.377+/-0.000 χ^2/NDF:6366965061.6/35

All: -25.376+/-0.000 χ^2/NDF: 6414149349.1/

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:28677.5/16

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:44210.8/15

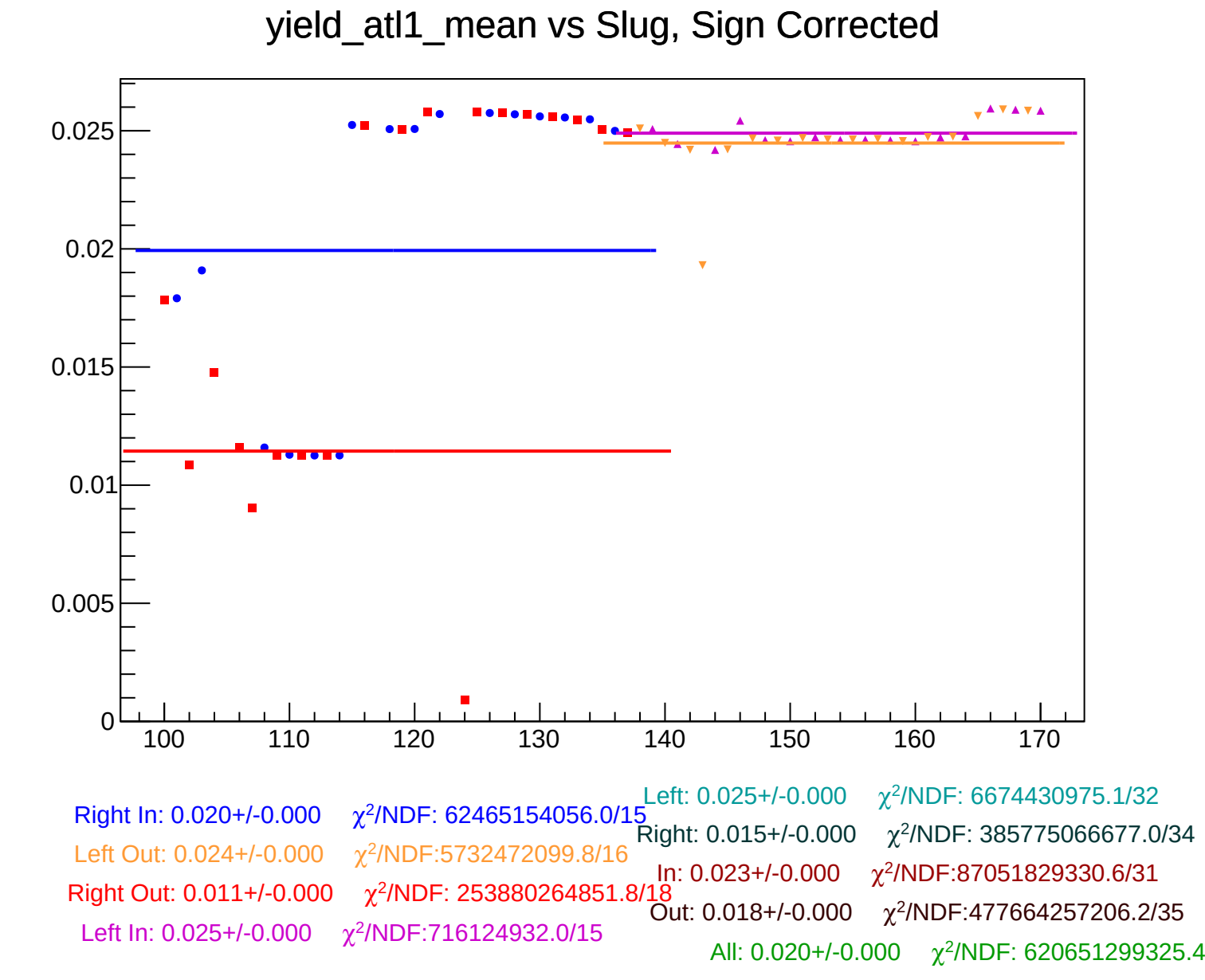
Left: 0.055+/-0.000 χ^2/NDF: 73324.5/32

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

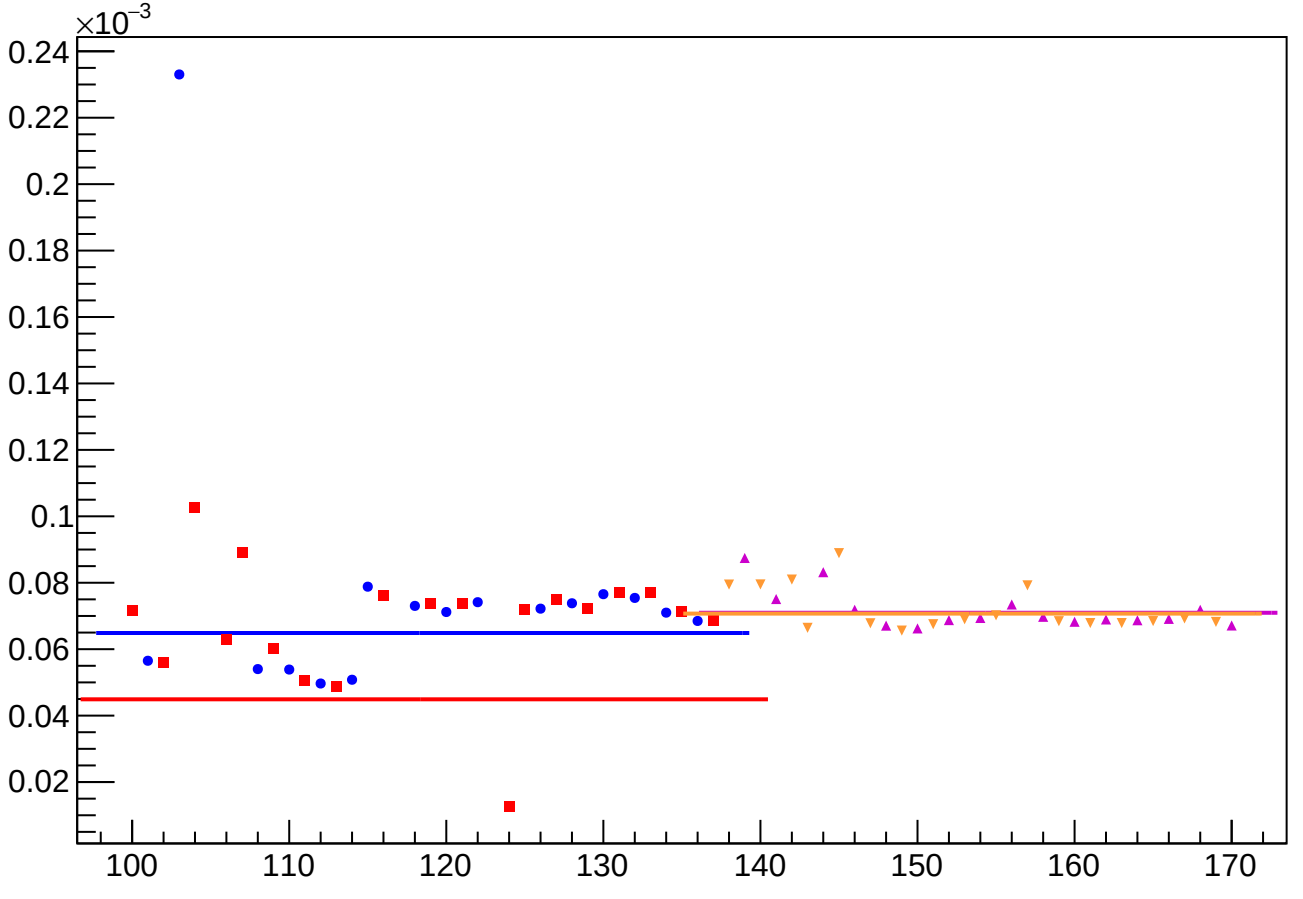
In: 0.056+/-0.000 χ^2/NDF:70122.8/31

Out: 0.056+/-0.000 χ^2/NDF:140921.0/35

All: 0.056+/-0.000 χ^2/NDF: 211129.9/67


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.024+/-0.000 χ²/NDF:5732472099.8/16
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:716124932.0/15
Left: 0.025+/-0.000 χ²/NDF: 6674430975.1/32
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:87051829330.6/31
Out: 0.018+/-0.000 χ²/NDF:477664257206.2/35
All: 0.020+/-0.000 χ²/NDF: 620651299325.4

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:170572.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:131303.8/15

Left: 0.000+/-0.000 χ^2/NDF: 302039.9/32

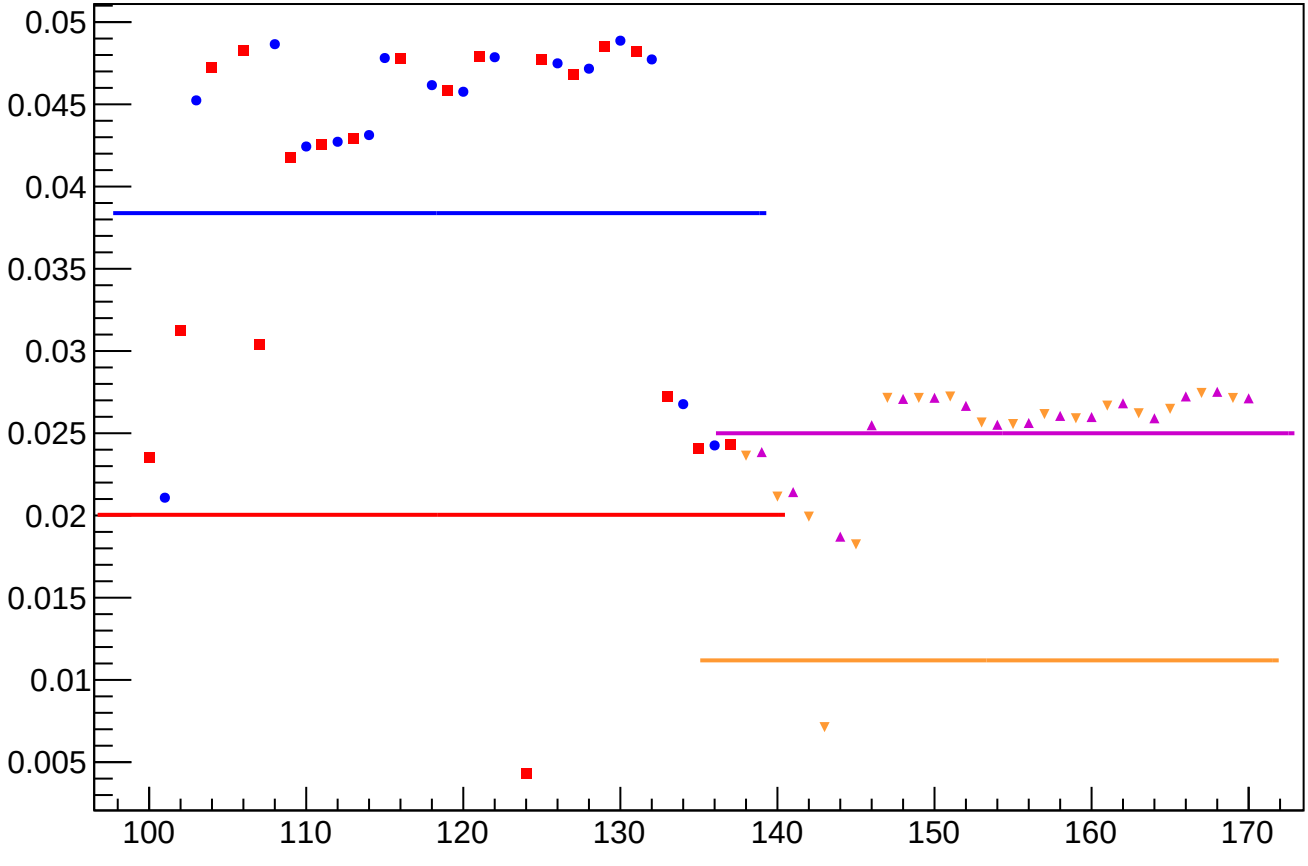
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1020039.1/31

Out: 0.000+/-0.000 χ^2/NDF:5649084.2/35

All: 0.000+/-0.000 χ^2/NDF: 7185326.5/67

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:32516604170.5/16

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:1062048351.9/15

Left: 0.014+/-0.000 χ^2/NDF: 54061578264.3/32

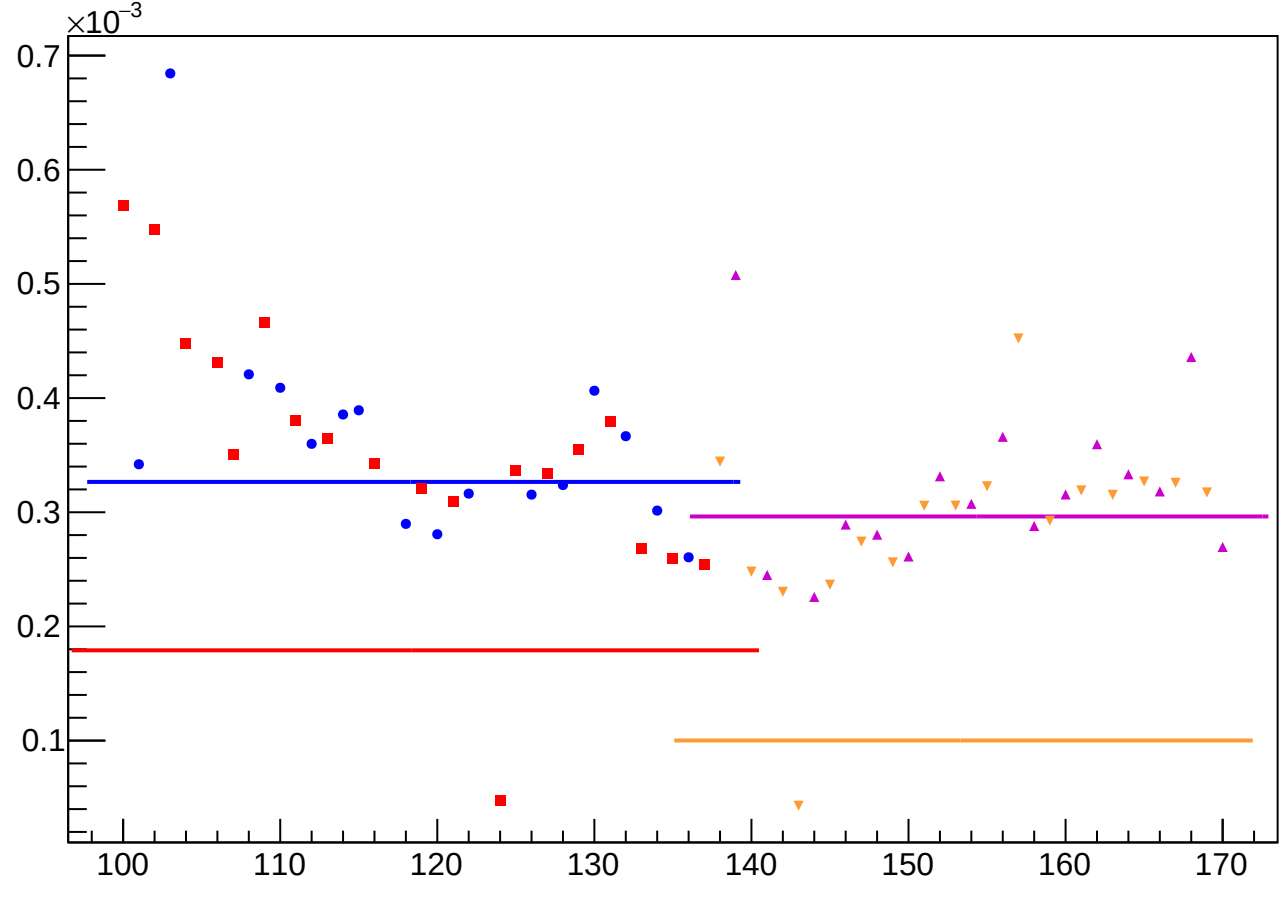
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.029+/-0.000 χ^2/NDF:15474592728.6/31

Out: 0.013+/-0.000 χ^2/NDF:82565626282.7/35

All: 0.016+/-0.000 χ^2/NDF: 138218976828.6

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12905551.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:861560.7/15

Left: 0.000+/-0.000 χ^2/NDF: 22035996.1/32

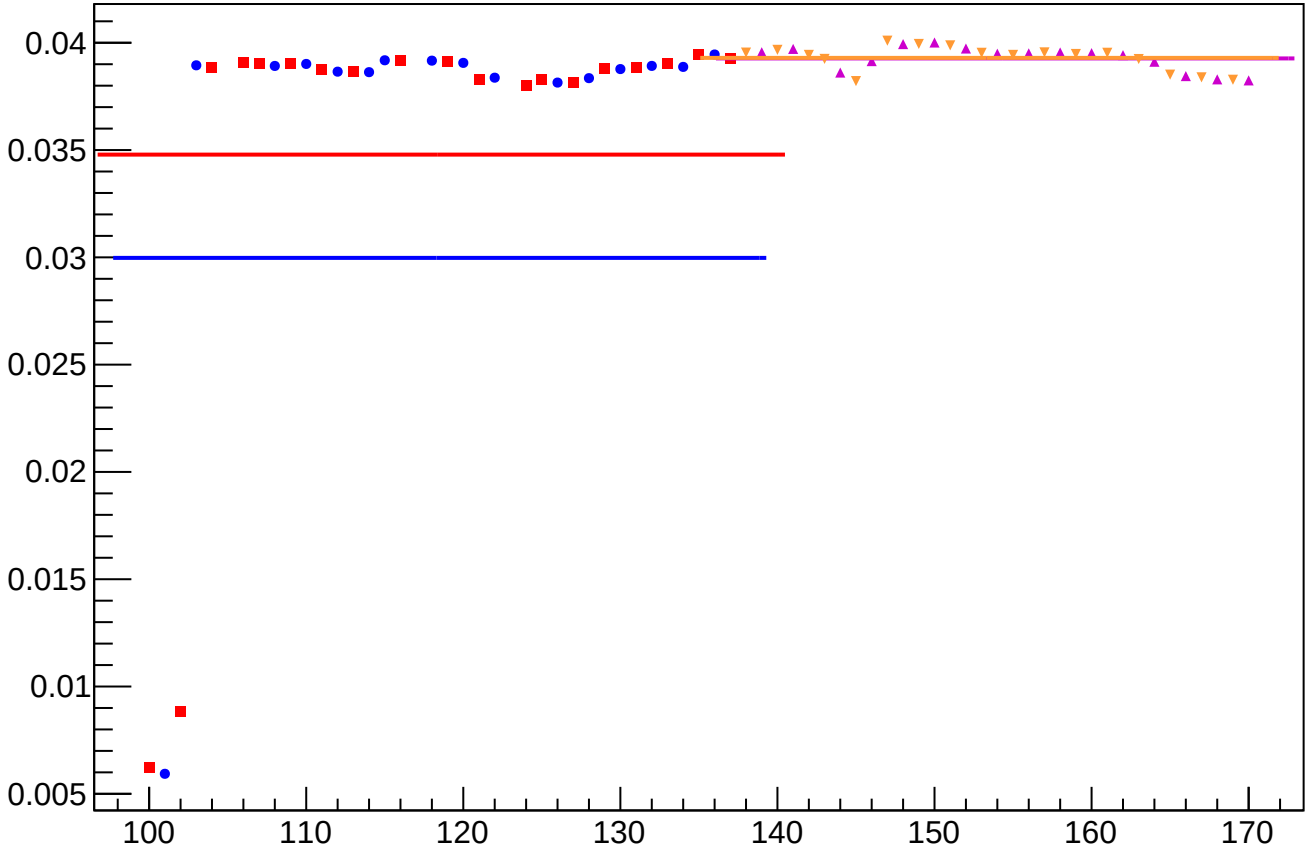
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1518004.7/31

Out: 0.000+/-0.000 χ^2/NDF:19817700.0/35

All: 0.000+/-0.000 χ^2/NDF: 32336024.6/67

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:248066049.6/16

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:232234971.5/15

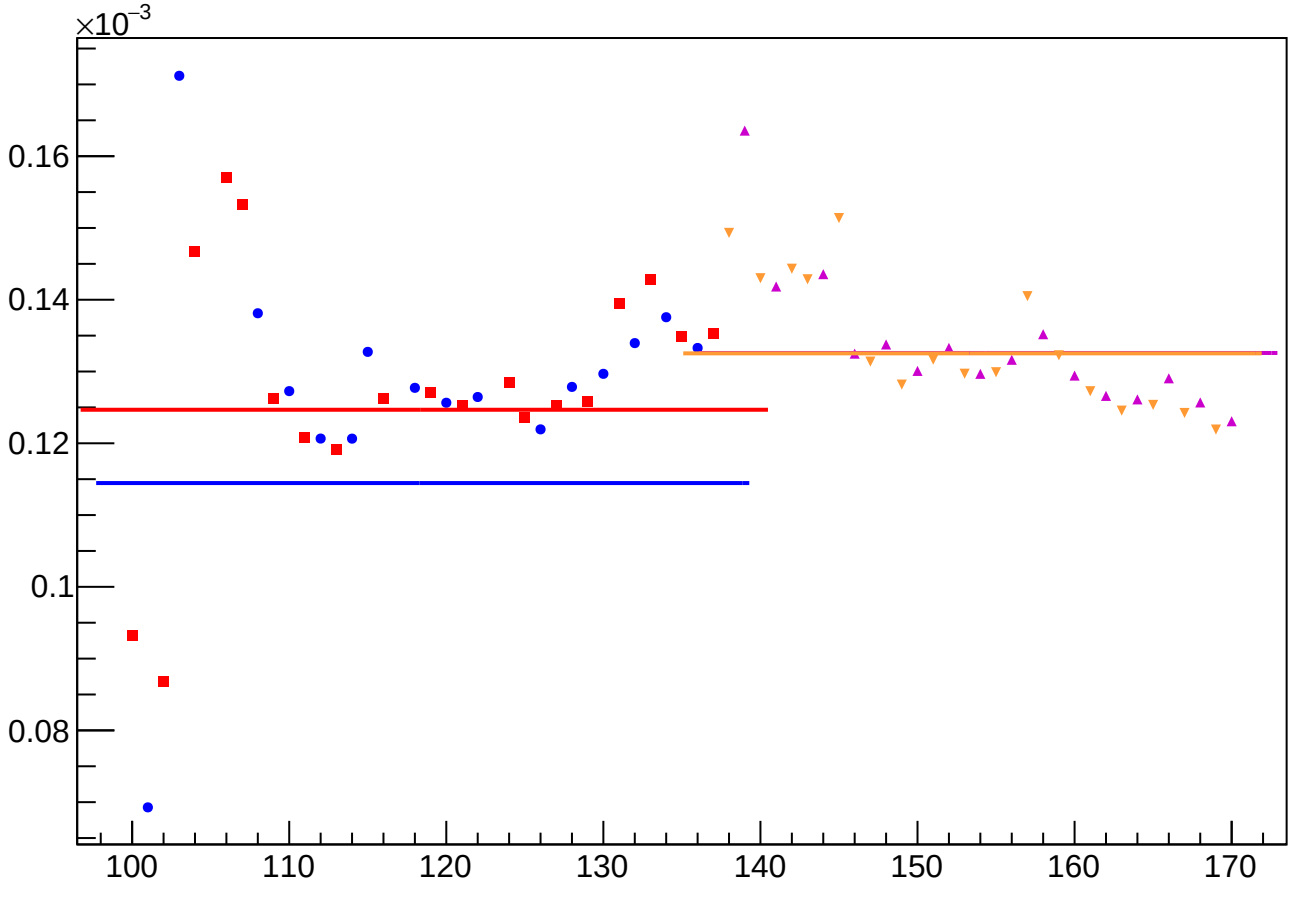
Left: 0.039+/-0.000 χ^2/NDF: 480534870.9/32

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:134381190657.2/31

Out: 0.038+/-0.000 χ^2/NDF:53171708363.8/35

All: 0.037+/-0.000 χ^2/NDF: 190332413210.4



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:106878.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:102094.5/15

Left: 0.000+/-0.000 χ^2/NDF: 208974.6/32

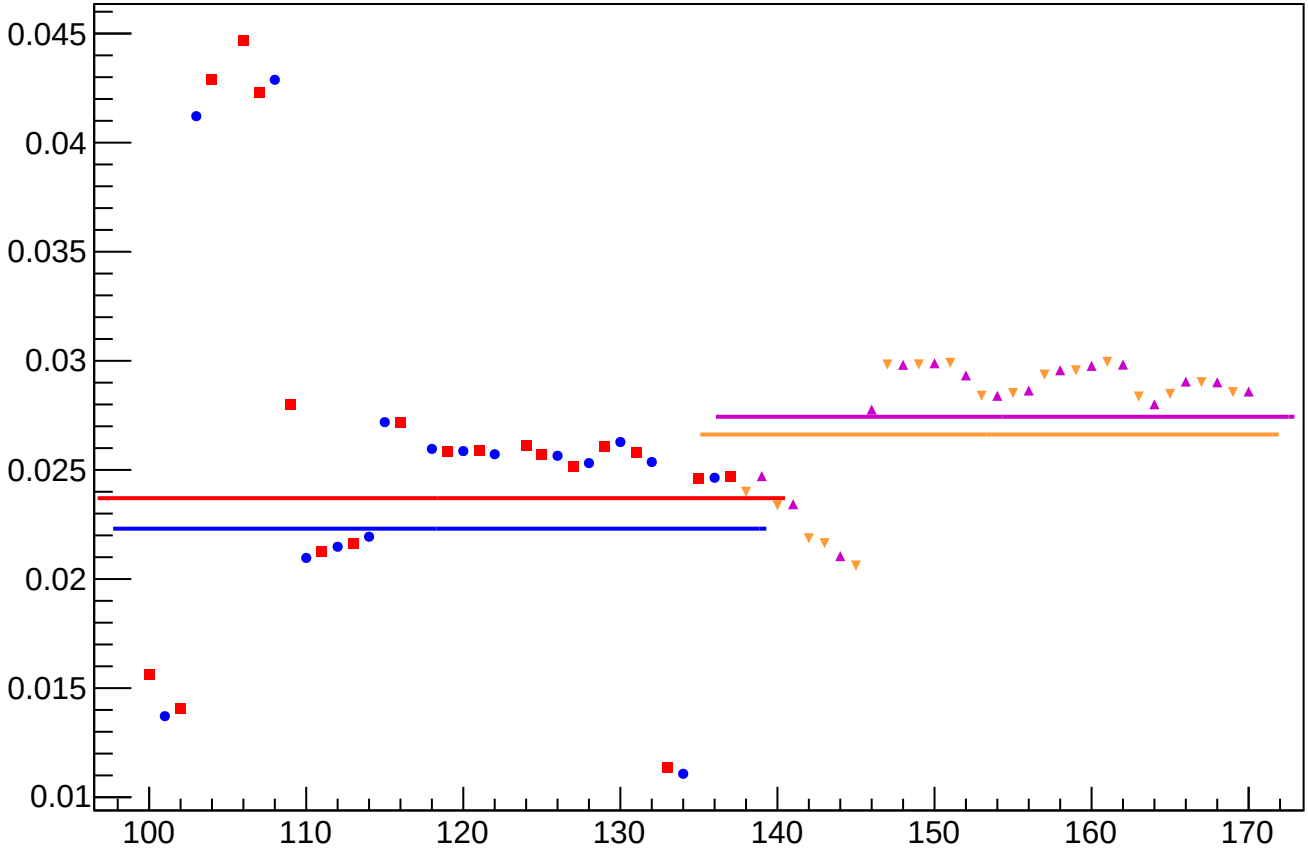
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1151998.7/31

Out: 0.000+/-0.000 χ^2/NDF:401671.8/35

All: 0.000+/-0.000 χ^2/NDF: 1577384.1/67

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1878492782.0/16

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1292327968.1/15

Left: 0.027+/-0.000 χ^2/NDF: 3218823413.1/32

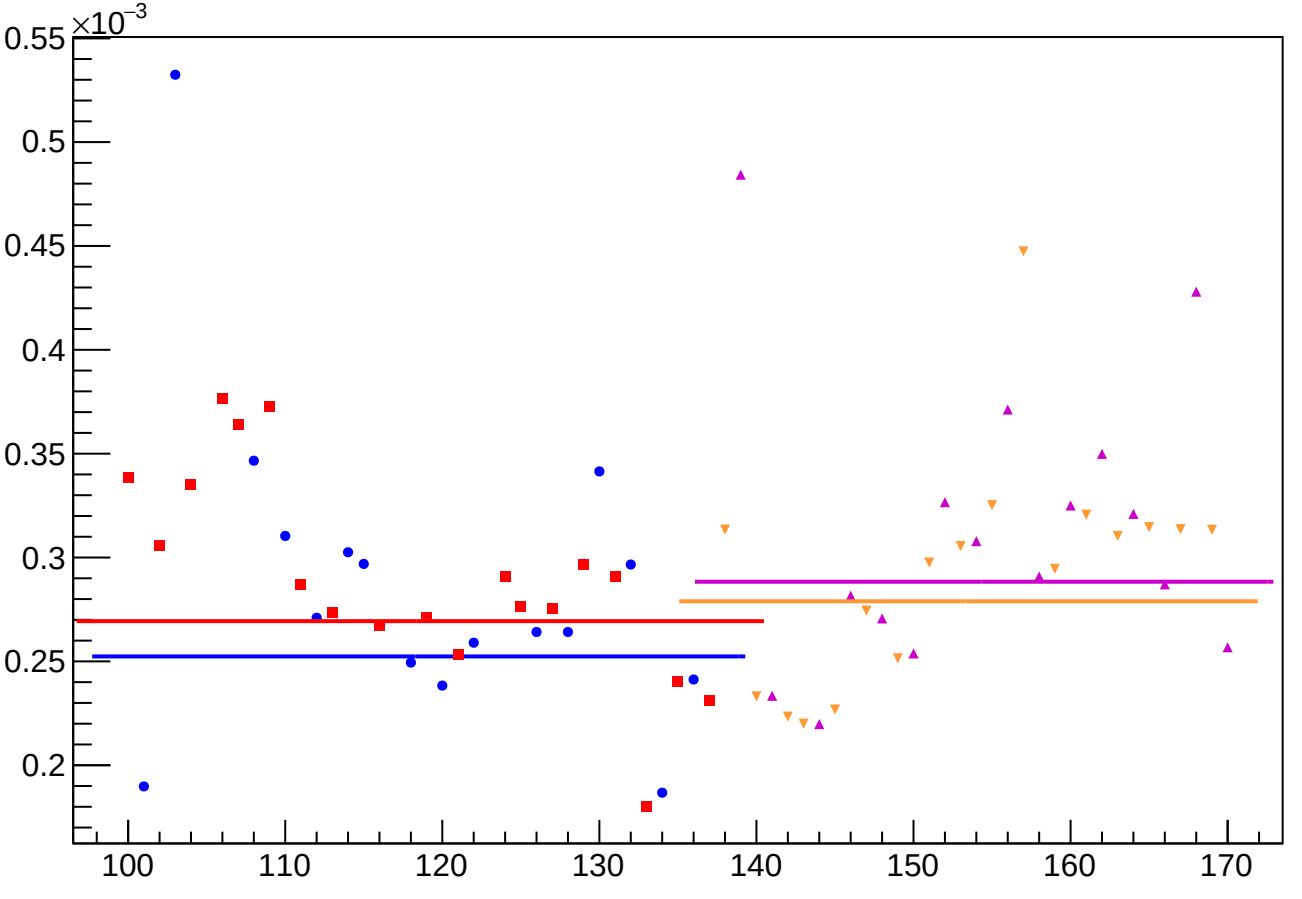
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7825894970.9/31

Out: 0.026+/-0.000 χ^2/NDF:7937175499.4/35

All: 0.025+/-0.000 χ^2/NDF: 15768262102.0/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:638550.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:921880.0/15

Left: 0.000+/-0.000 χ^2/NDF: 1573313.0/32

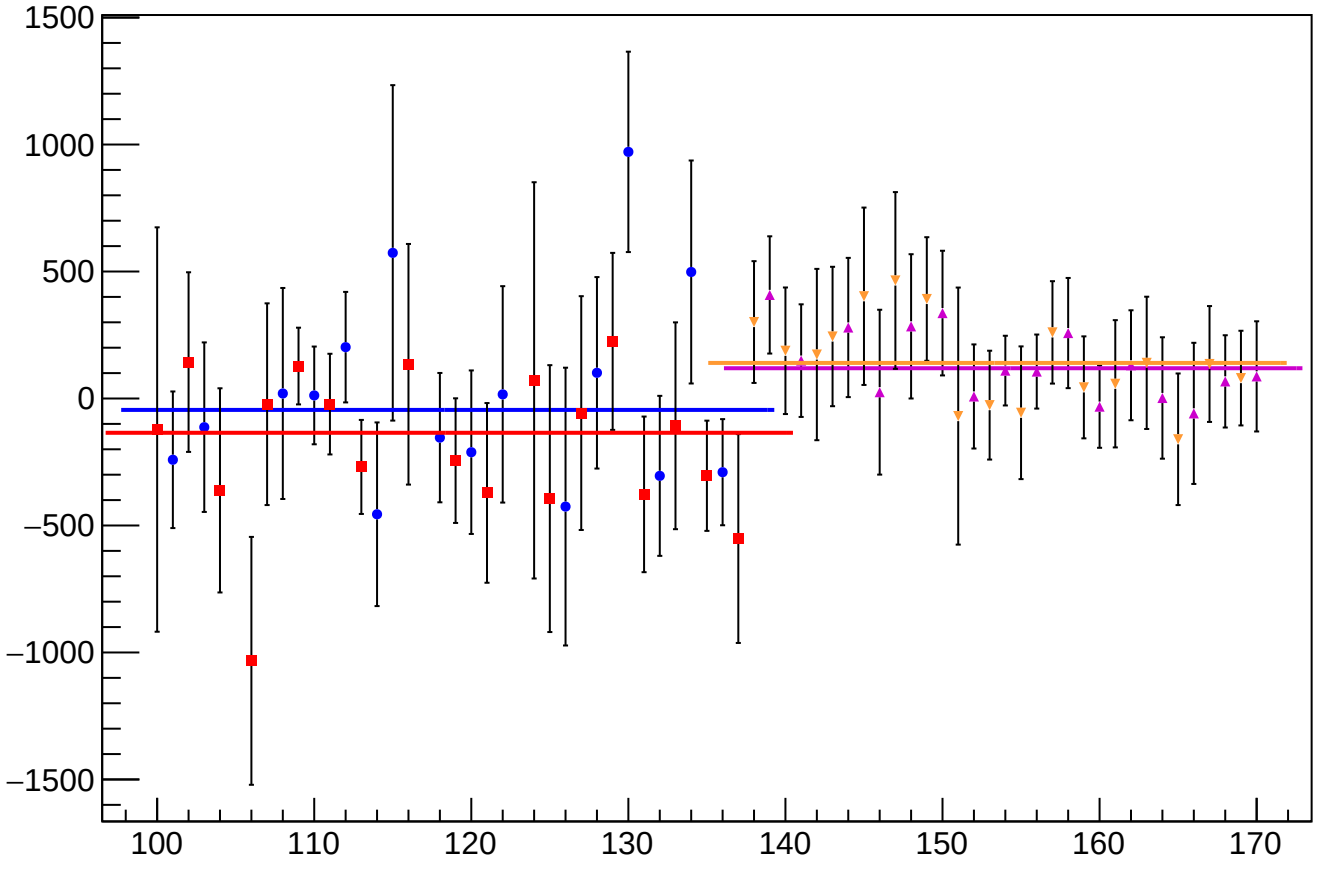
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1779296.8/31

Out: 0.000+/-0.000 χ^2/NDF:1095147.5/35

All: 0.000+/-0.000 χ^2/NDF: 2875222.3/67

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.109+/-60.606 χ^2/NDF:6.6/16

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 119.157+/-51.468 χ^2/NDF:5.5/15

Left: 127.936+/-39.230 χ^2/NDF: 12.2/32

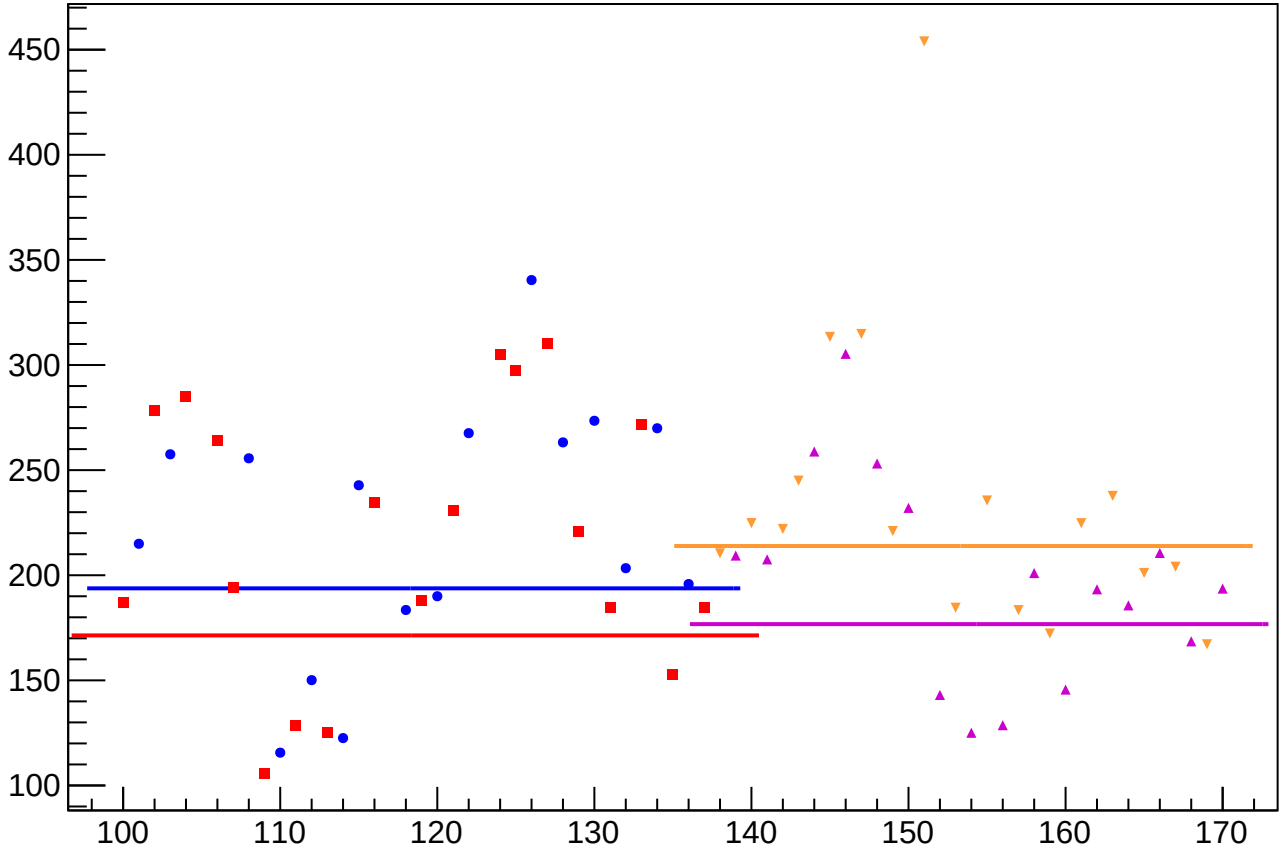
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 67.753+/-42.650 χ^2/NDF:24.1/31

Out: 18.445+/-45.262 χ^2/NDF:28.7/35

All: 44.563+/-31.041 χ^2/NDF: 53.4/67

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: 213.904+/-0.043 χ^2/NDF:1150939.2/16

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 176.748+/-0.036 χ^2/NDF:1532252.3/15

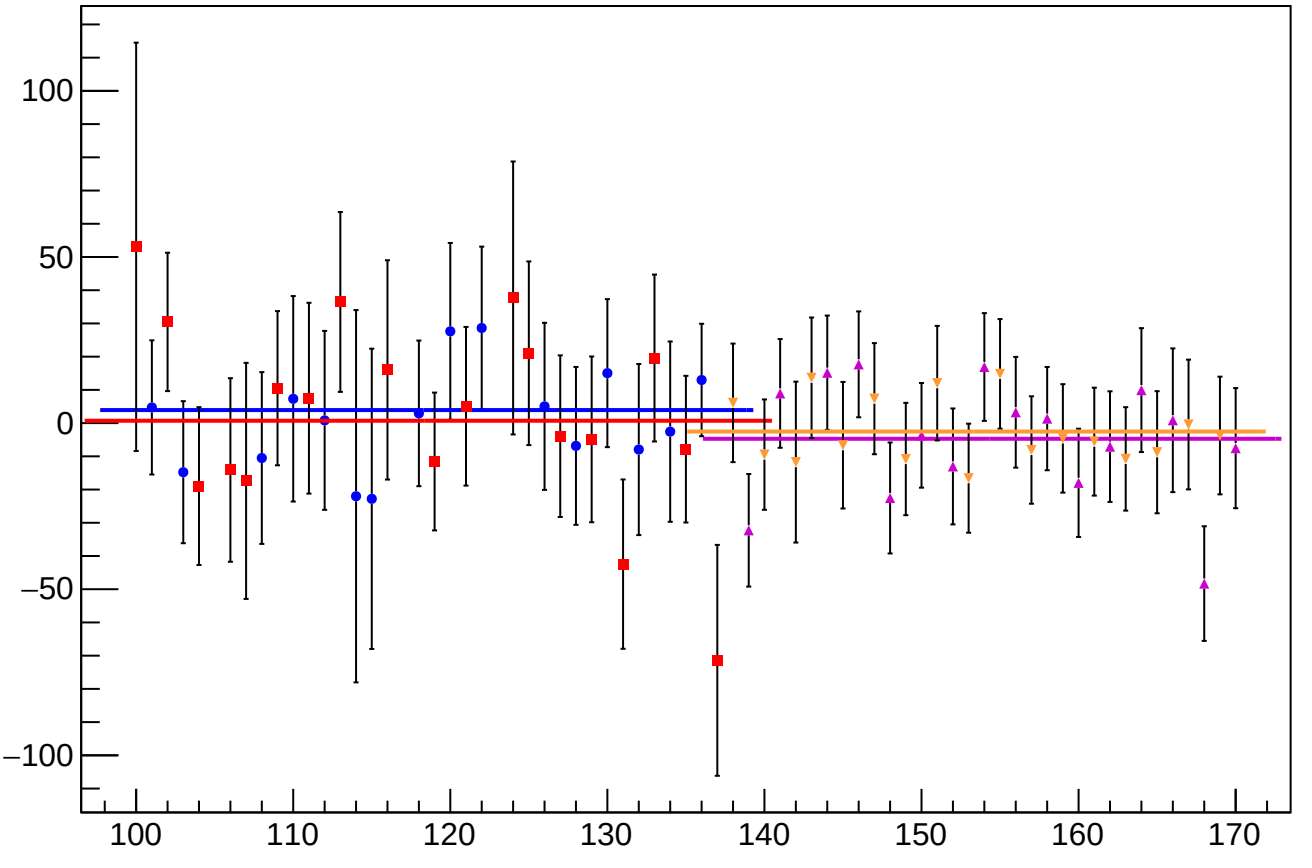
Left: 192.316+/-0.028 χ^2/NDF: 3119937.7/32

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.080+/-0.030 χ^2/NDF:2648869.9/31

Out: 195.098+/-0.032 χ^2/NDF:3244415.7/35

All: 188.203+/-0.022 χ^2/NDF: 5980924.4/67



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.540+/-4.212 χ^2/NDF:5.1/16

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -4.717+/-4.234 χ^2/NDF:18.0/15

Left: -3.623+/-2.986 χ^2/NDF: 23.2/32

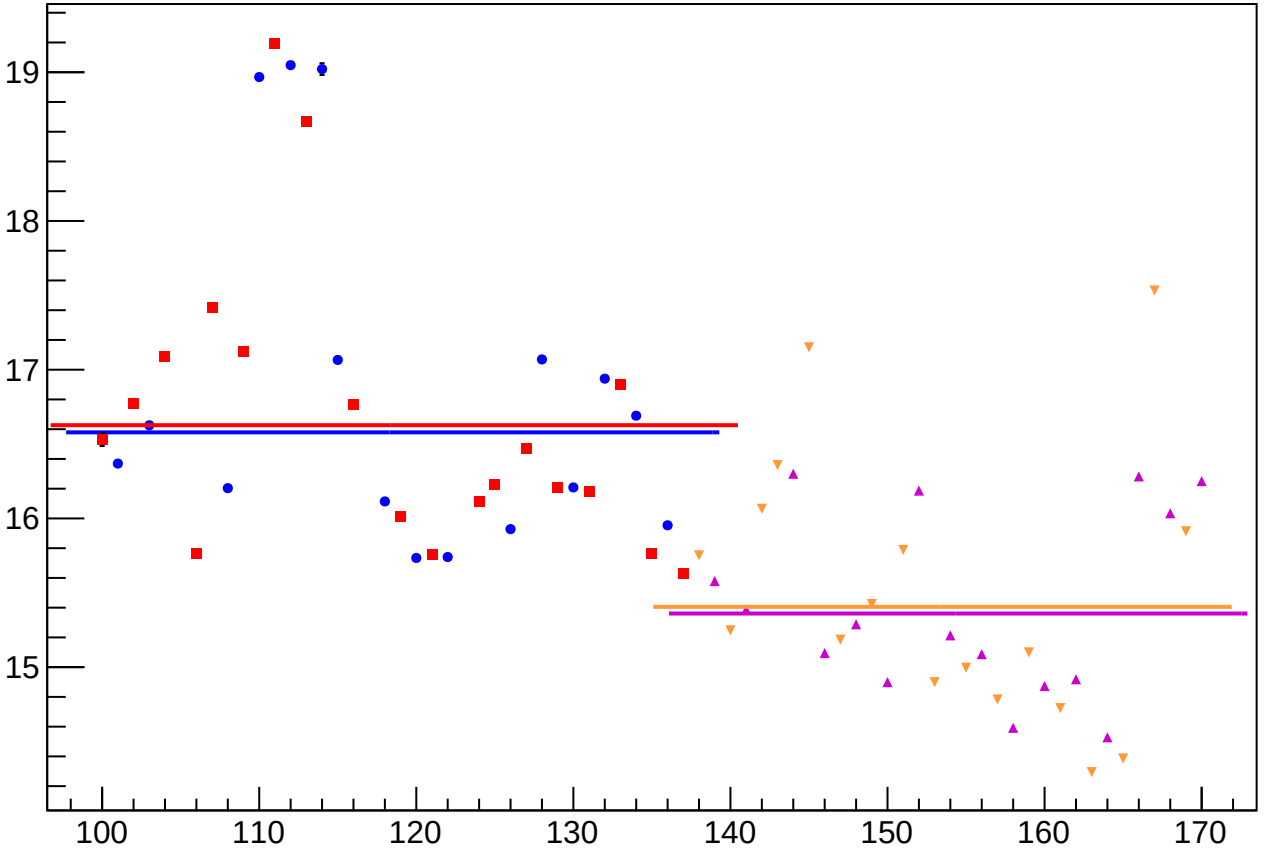
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.952+/-3.491 χ^2/NDF:23.8/31

Out: -1.484+/-3.462 χ^2/NDF:21.2/35

All: -1.716+/-2.458 χ^2/NDF: 45.0/67

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: 15.406+/-0.003 χ^2/NDF:78084.6/16

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.361+/-0.003 χ^2/NDF:37414.2/15

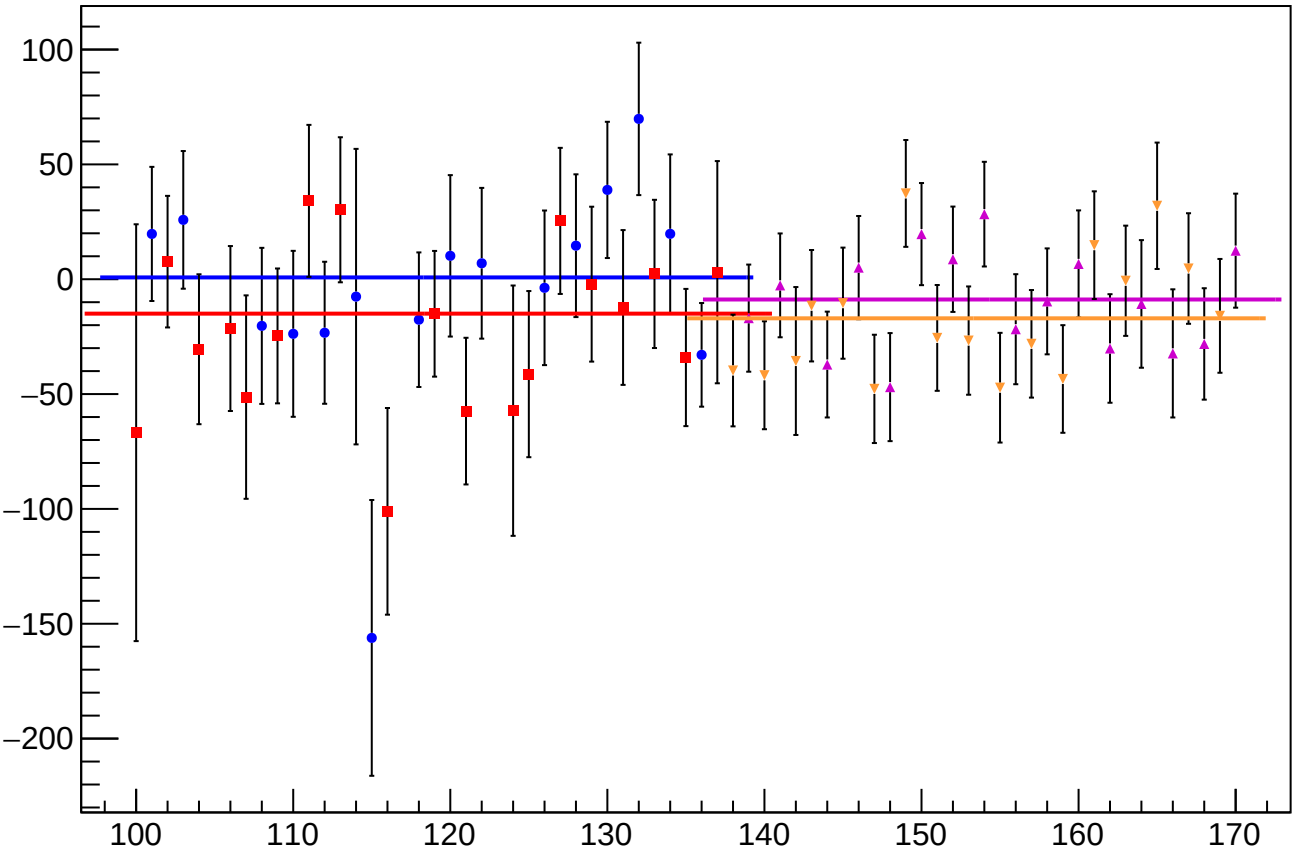
Left: 15.383+/-0.002 χ^2/NDF: 115611.7/32

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.750+/-0.002 χ^2/NDF:134955.2/31

Out: 15.802+/-0.002 χ^2/NDF:176118.2/35

All: 15.776+/-0.002 χ^2/NDF: 311292.8/67



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -17.018+/-5.889 χ^2/NDF:19.3/16

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -8.823+/-5.926 χ^2/NDF:13.2/15

Left: -12.946+/-4.177 χ^2/NDF: 33.5/32

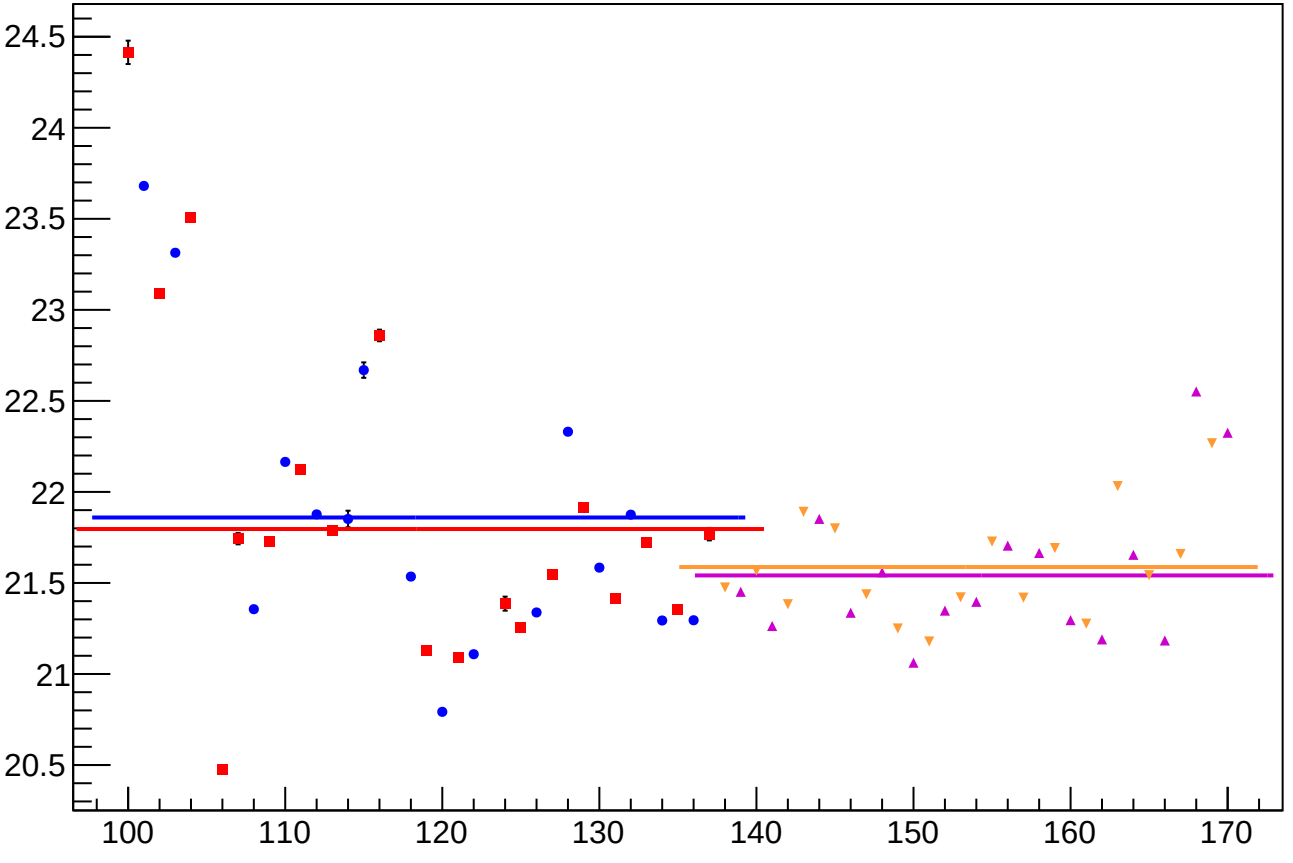
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.485+/-4.788 χ^2/NDF:32.8/31

Out: -16.297+/-4.733 χ^2/NDF:34.7/35

All: -10.953+/-3.366 χ^2/NDF: 70.1/67

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: 21.587+/-0.004 χ^2/NDF:4600.6/16

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.541+/-0.004 χ^2/NDF:8654.3/15

Left: 21.565+/-0.003 χ^2/NDF: 13315.8/32

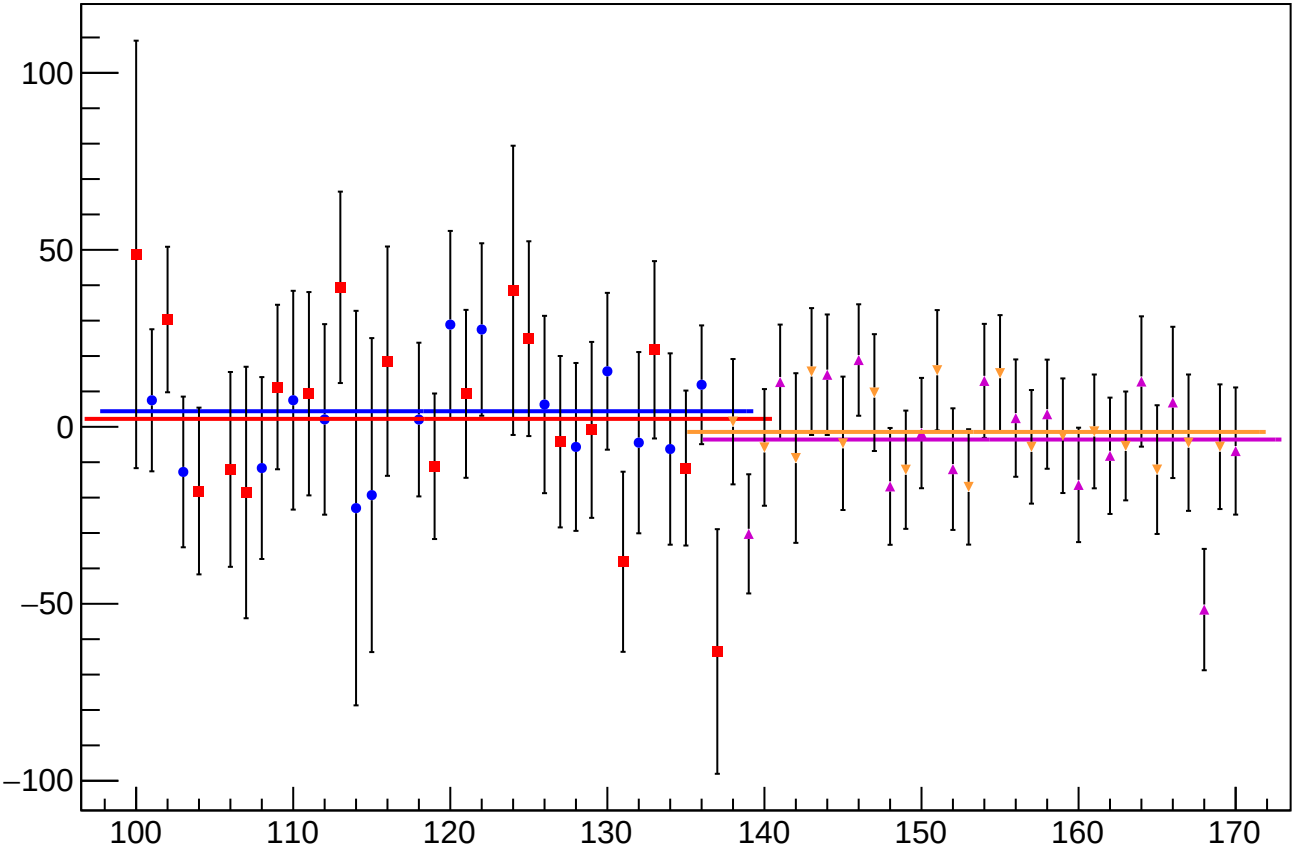
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.652+/-0.003 χ^2/NDF:30125.4/31

Out: 21.661+/-0.003 χ^2/NDF:24352.2/35

All: 21.657+/-0.002 χ^2/NDF: 54481.6/67

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: -1.445+/-4.171 χ^2/NDF:5.5/16

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -3.594+/-4.194 χ^2/NDF:18.6/15

Left: -2.513+/-2.958 χ^2/NDF: 24.3/32

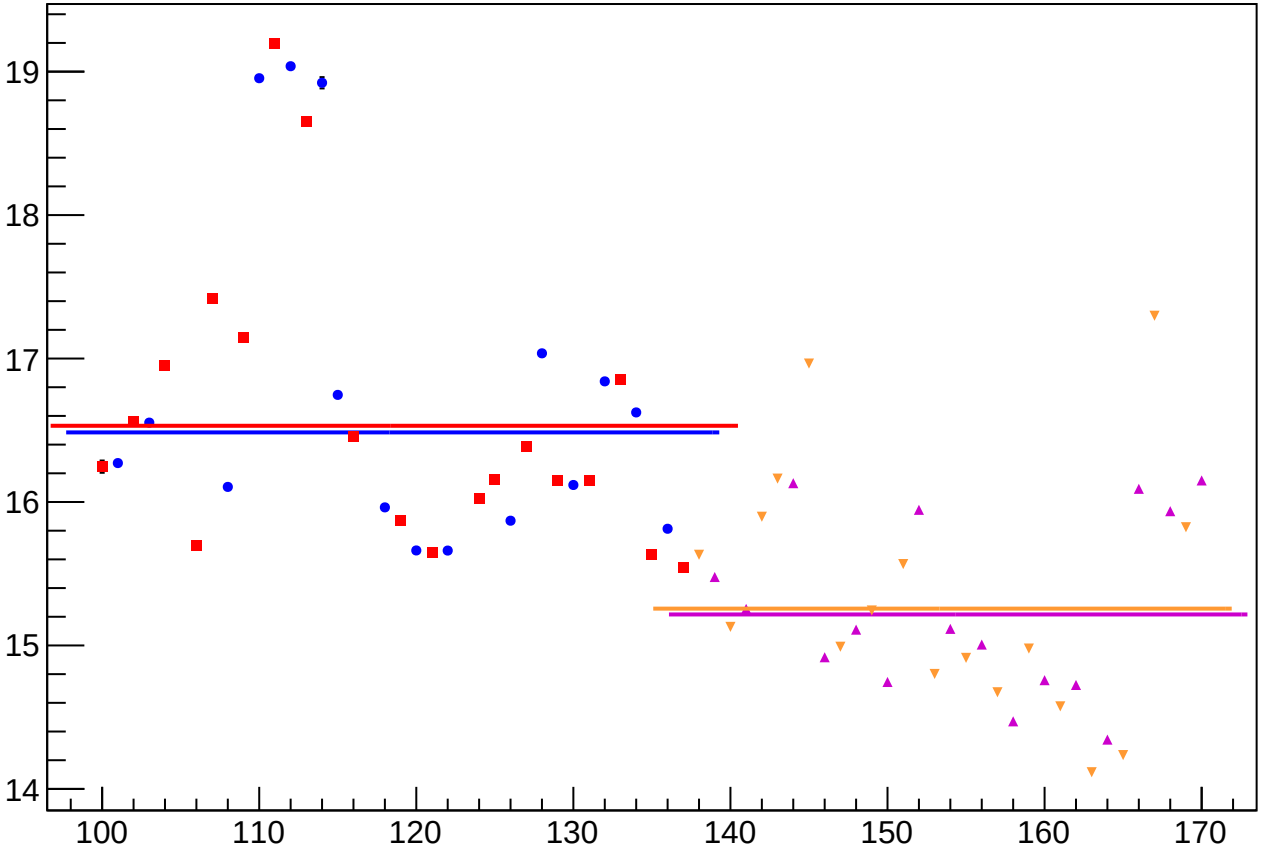
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -1.048+/-3.463 χ^2/NDF:24.1/31

Out: -0.254+/-3.433 χ^2/NDF:21.2/35

All: -0.648+/-2.438 χ^2/NDF: 45.3/67

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: 15.257+/-0.003 χ^2/NDF:76290.7/16

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.216+/-0.003 χ^2/NDF:37746.6/15

Left: 15.237+/-0.002 χ^2/NDF: 114131.7/32

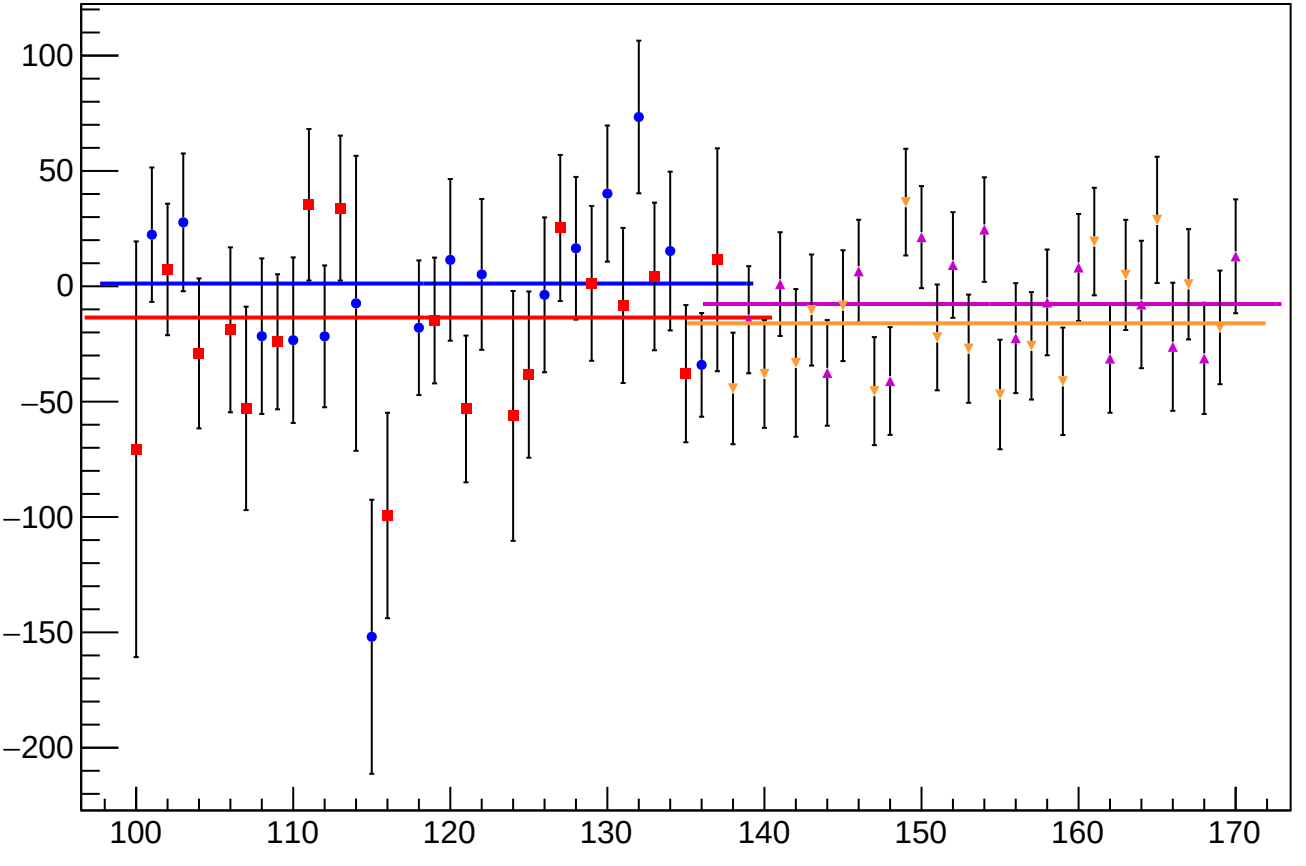
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.620+/-0.002 χ^2/NDF:143223.3/31

Out: 15.668+/-0.002 χ^2/NDF:183032.2/35

All: 15.644+/-0.002 χ^2/NDF: 326449.7/67

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -16.031+/-5.854 χ^2/NDF:19.0/16

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -7.681+/-5.894 χ^2/NDF:12.6/15

Left: -11.884+/-4.154 χ^2/NDF: 32.7/32

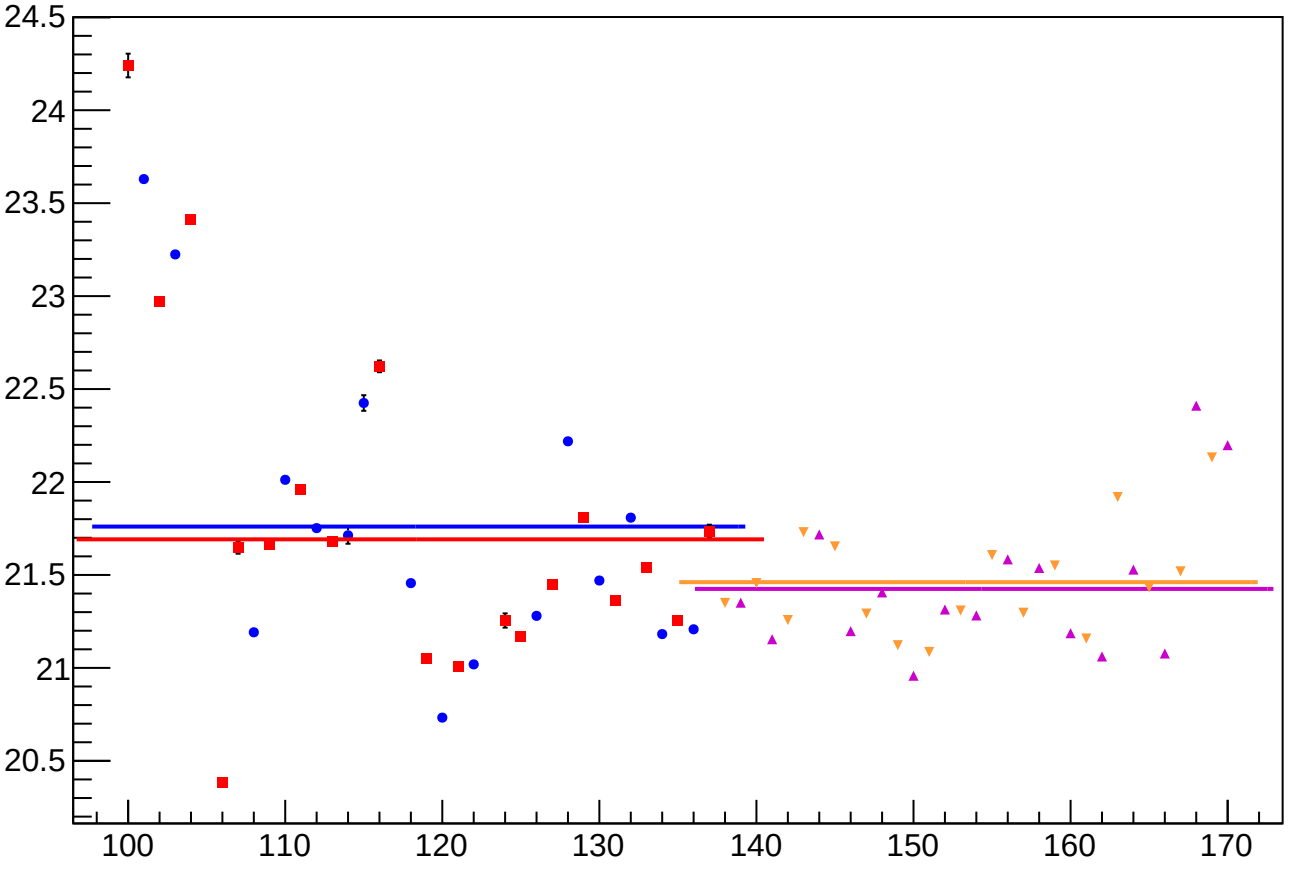
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.606+/-4.763 χ^2/NDF:32.8/31

Out: -15.153+/-4.707 χ^2/NDF:35.0/35

All: -9.943+/-3.348 χ^2/NDF: 70.3/67

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: 21.461+/-0.004 χ^2/NDF:4433.6/16

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.425+/-0.004 χ^2/NDF:8339.1/15

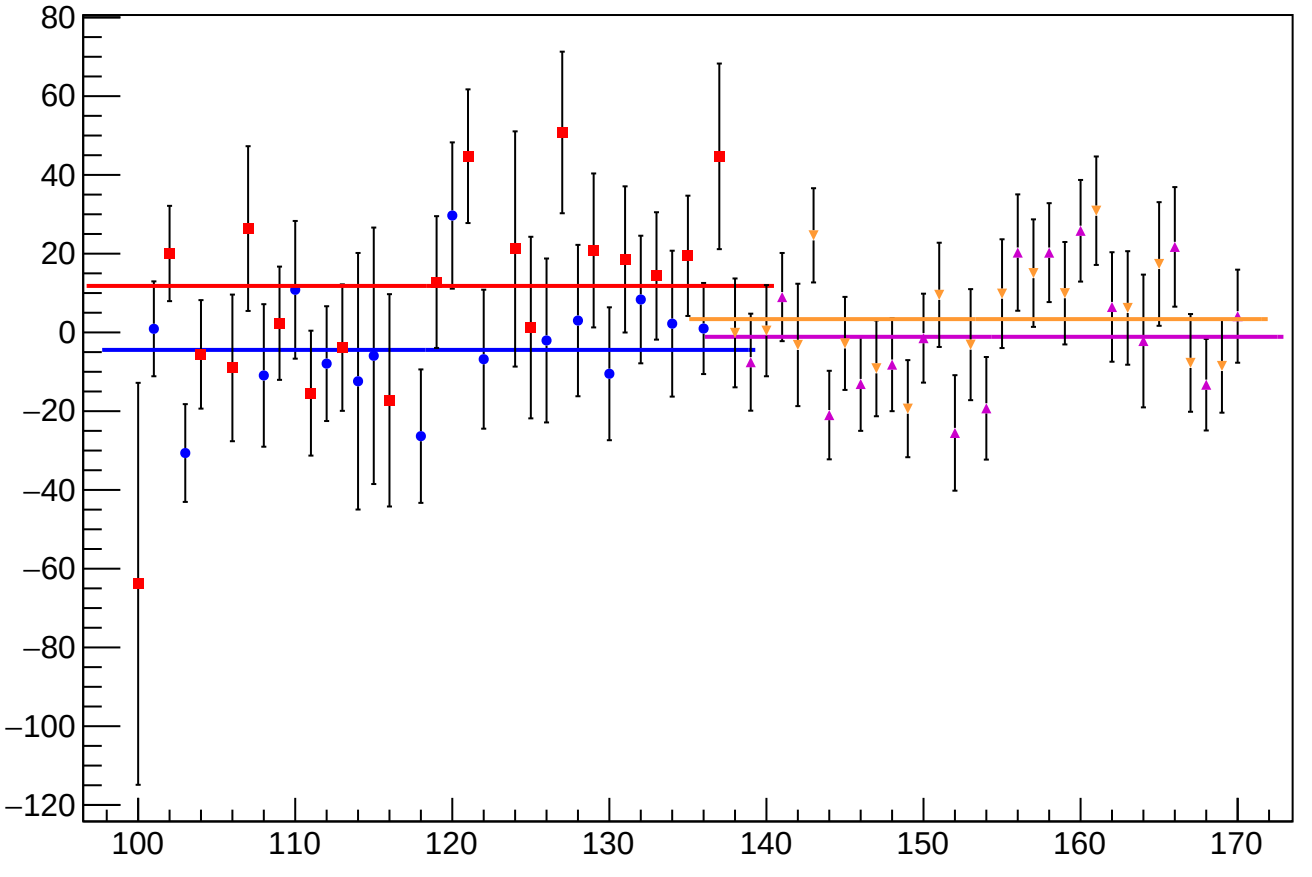
Left: 21.443+/-0.003 χ^2/NDF: 12810.9/32

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.541+/-0.003 χ^2/NDF:30331.0/31

Out: 21.543+/-0.003 χ^2/NDF:23859.6/35

All: 21.542+/-0.002 χ^2/NDF: 54190.7/67



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 3.379+/-3.173 χ^2/NDF:16.5/16

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.116+/-3.169 χ^2/NDF:23.5/15

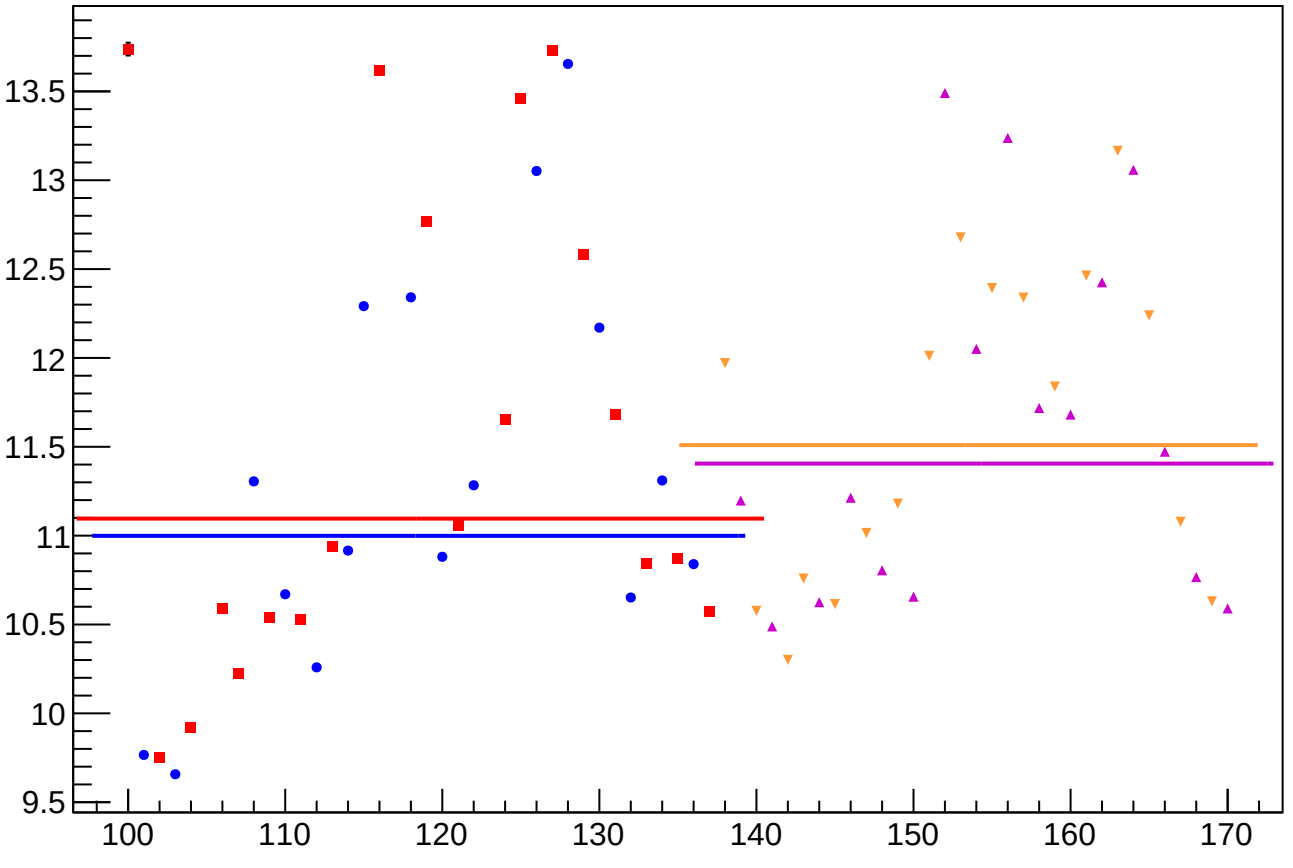
Left: 1.129+/-2.242 χ^2/NDF: 41.0/32

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.347+/-2.514 χ^2/NDF:35.9/31

Out: 6.539+/-2.509 χ^2/NDF:40.8/35

All: 2.105+/-1.776 χ^2/NDF: 83.0/67



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.510+/-0.002 χ^2/NDF:138579.6/16

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.405+/-0.002 χ^2/NDF:161913.1/15

Left: 11.457+/-0.002 χ^2/NDF: 301569.4/32

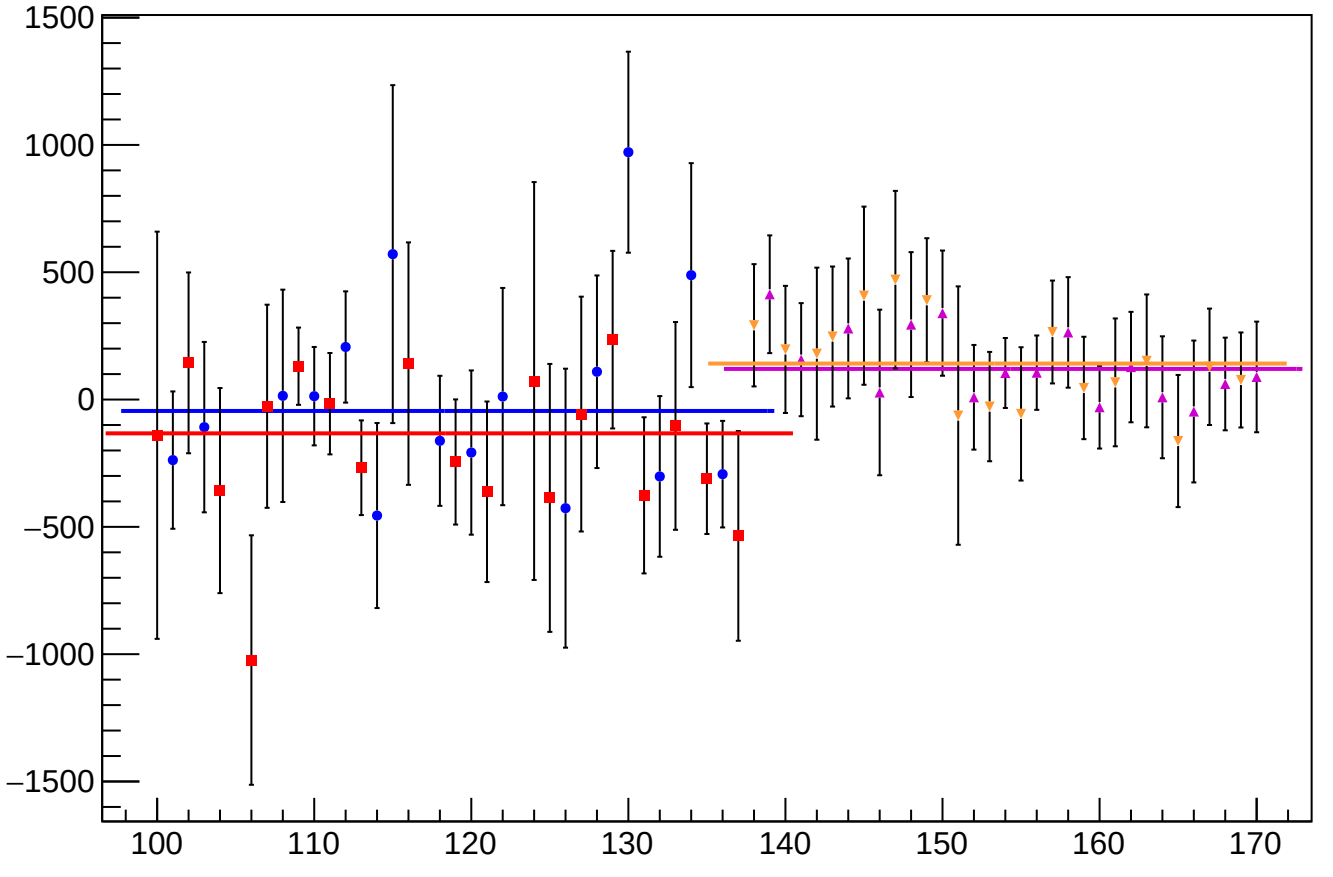
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.255+/-0.002 χ^2/NDF:310261.3/31

Out: 11.354+/-0.002 χ^2/NDF:314225.8/35

All: 11.305+/-0.001 χ^2/NDF: 626059.0/67

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.422+/-60.715 χ^2/NDF:6.7/16

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 120.309+/-51.552 χ^2/NDF:5.5/15

Left: 129.153+/-39.297 χ^2/NDF: 12.3/32

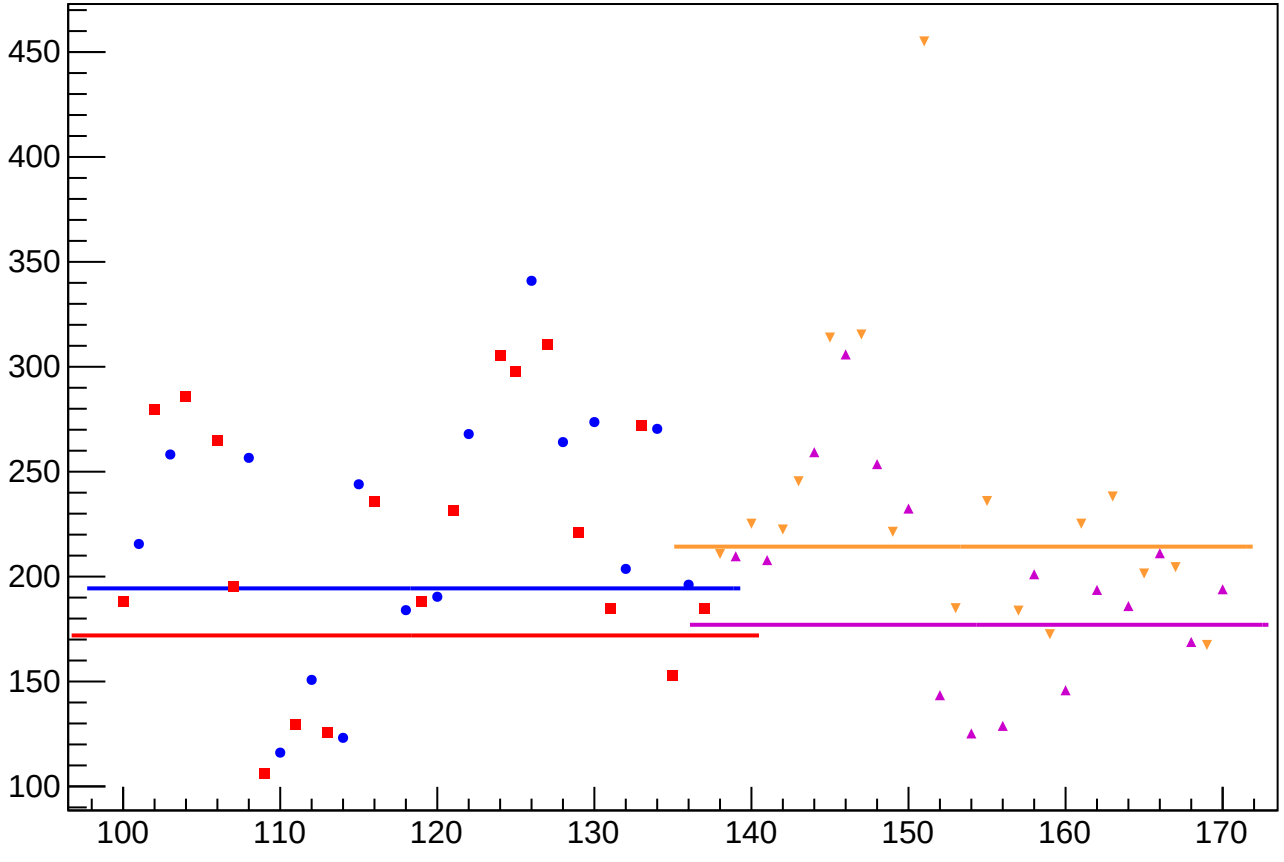
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.676+/-42.738 χ^2/NDF:24.2/31

Out: 20.348+/-45.369 χ^2/NDF:28.5/35

All: 45.954+/-31.109 χ^2/NDF: 53.3/67

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: 214.283+/-0.043 χ^2/NDF:1151892.7/16

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.033+/-0.036 χ^2/NDF:1532637.7/15

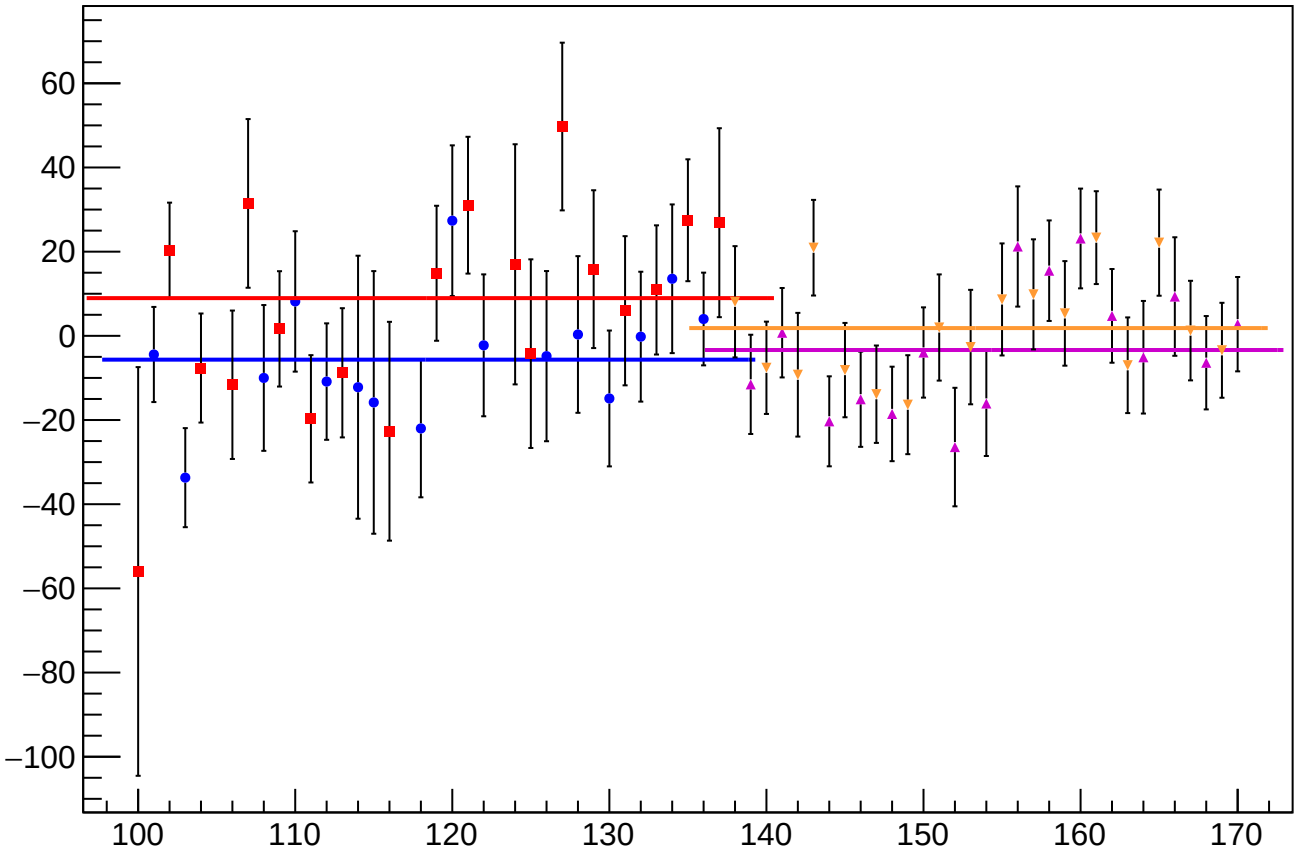
Left: 192.638+/-0.028 χ^2/NDF: 3121966.5/32

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.459+/-0.030 χ^2/NDF:2645523.8/31

Out: 195.587+/-0.032 χ^2/NDF:3232642.6/35

All: 188.631+/-0.022 χ^2/NDF: 5966882.9/67



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.842+/-2.936 χ^2/NDF:17.4/16

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.366+/-2.955 χ^2/NDF:22.0/15

Left: -0.745+/-2.083 χ^2/NDF: 40.9/32

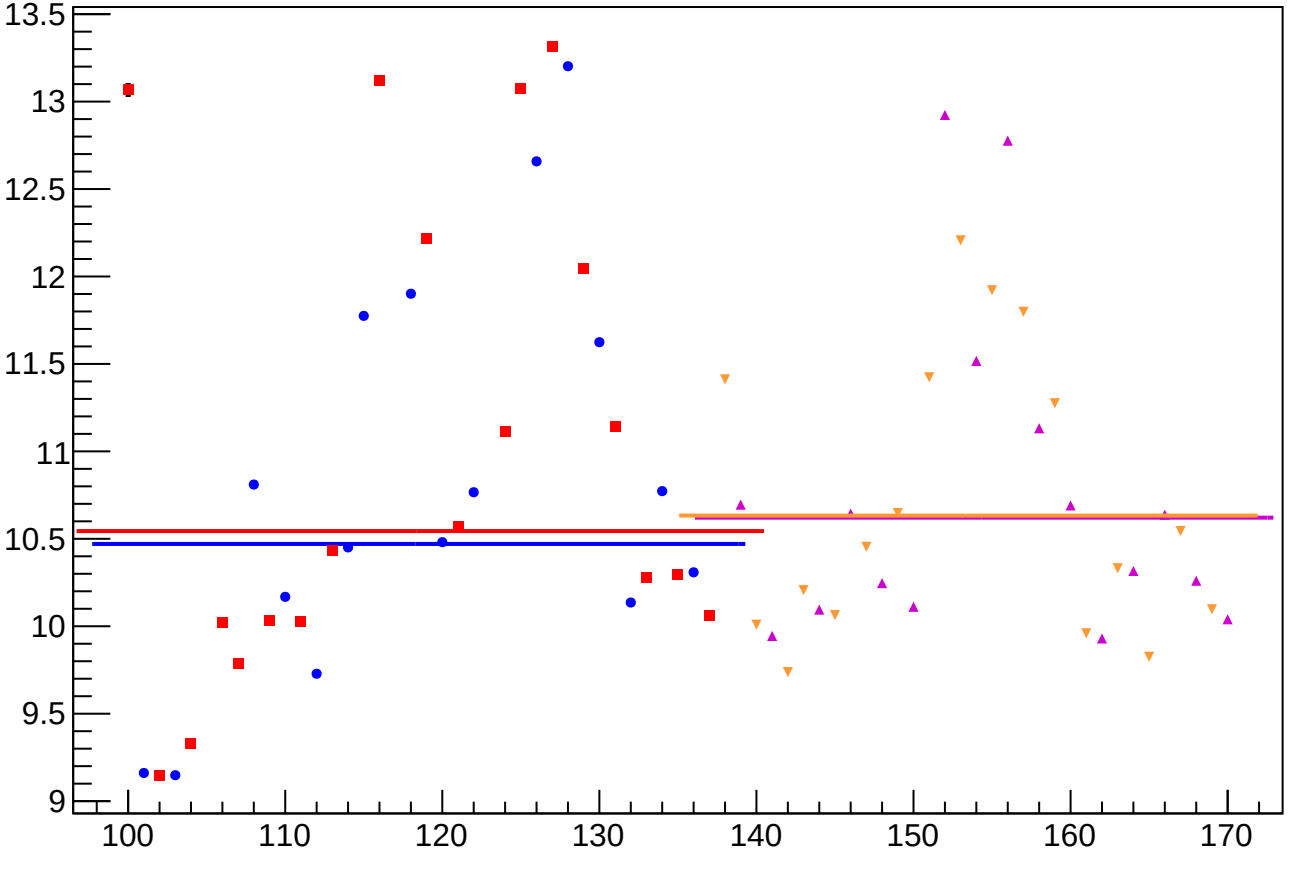
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.191+/-2.364 χ^2/NDF:35.8/31

Out: 4.416+/-2.346 χ^2/NDF:42.3/35

All: 0.145+/-1.665 χ^2/NDF: 84.9/67

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: 10.633+/-0.002 χ^2/NDF:125586.3/16

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.621+/-0.002 χ^2/NDF:149098.4/15

Left: 10.627+/-0.001 χ^2/NDF: 274701.4/32

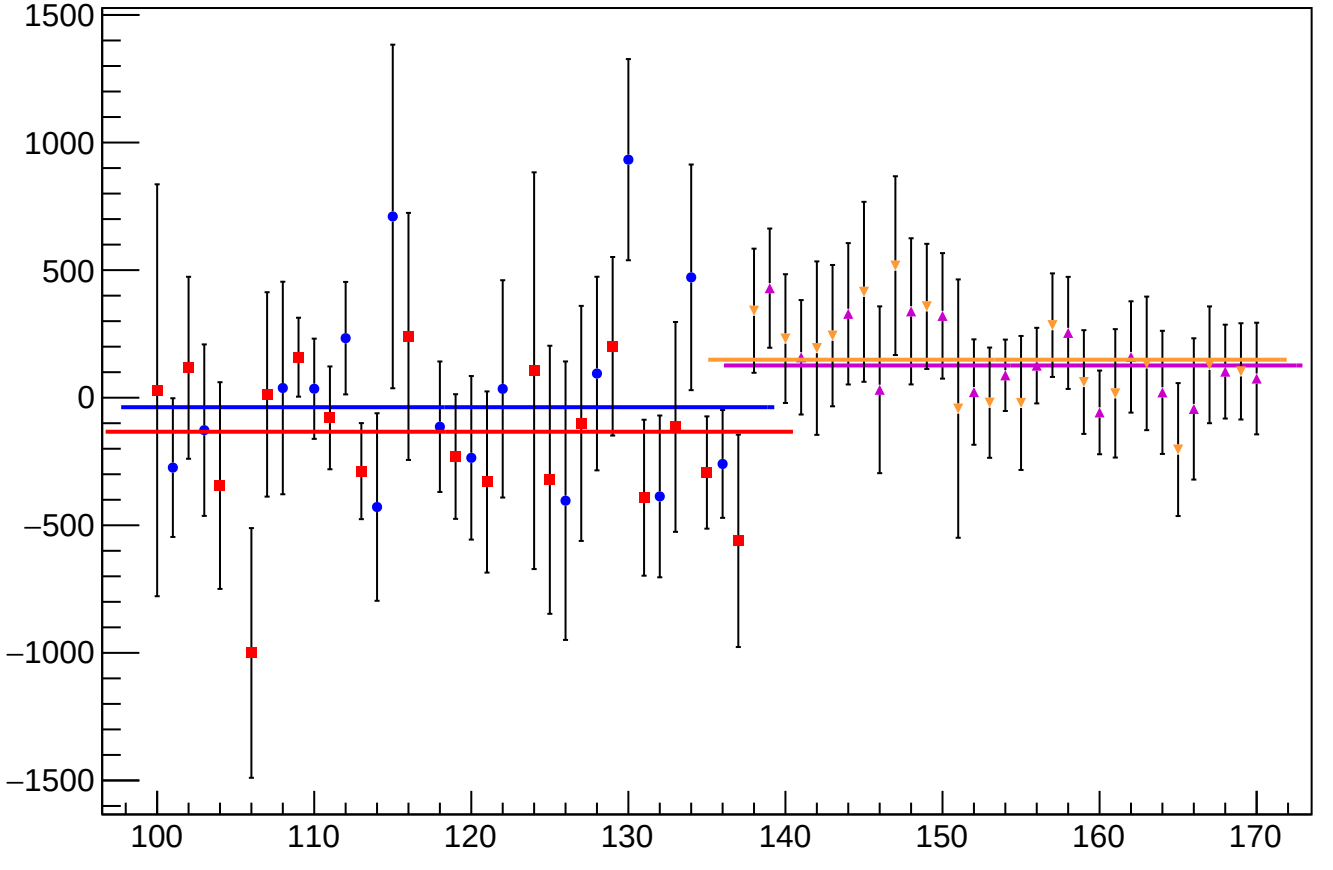
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.567+/-0.002 χ^2/NDF:308329.5/31

Out: 10.601+/-0.002 χ^2/NDF:313025.6/35

All: 10.584+/-0.001 χ^2/NDF: 621564.8/67

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: 148.909+/-61.113 χ^2/NDF:7.2/16

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 126.331+/-52.059 χ^2/NDF:6.1/15

Left: 135.825+/-39.629 χ^2/NDF: 13.4/32

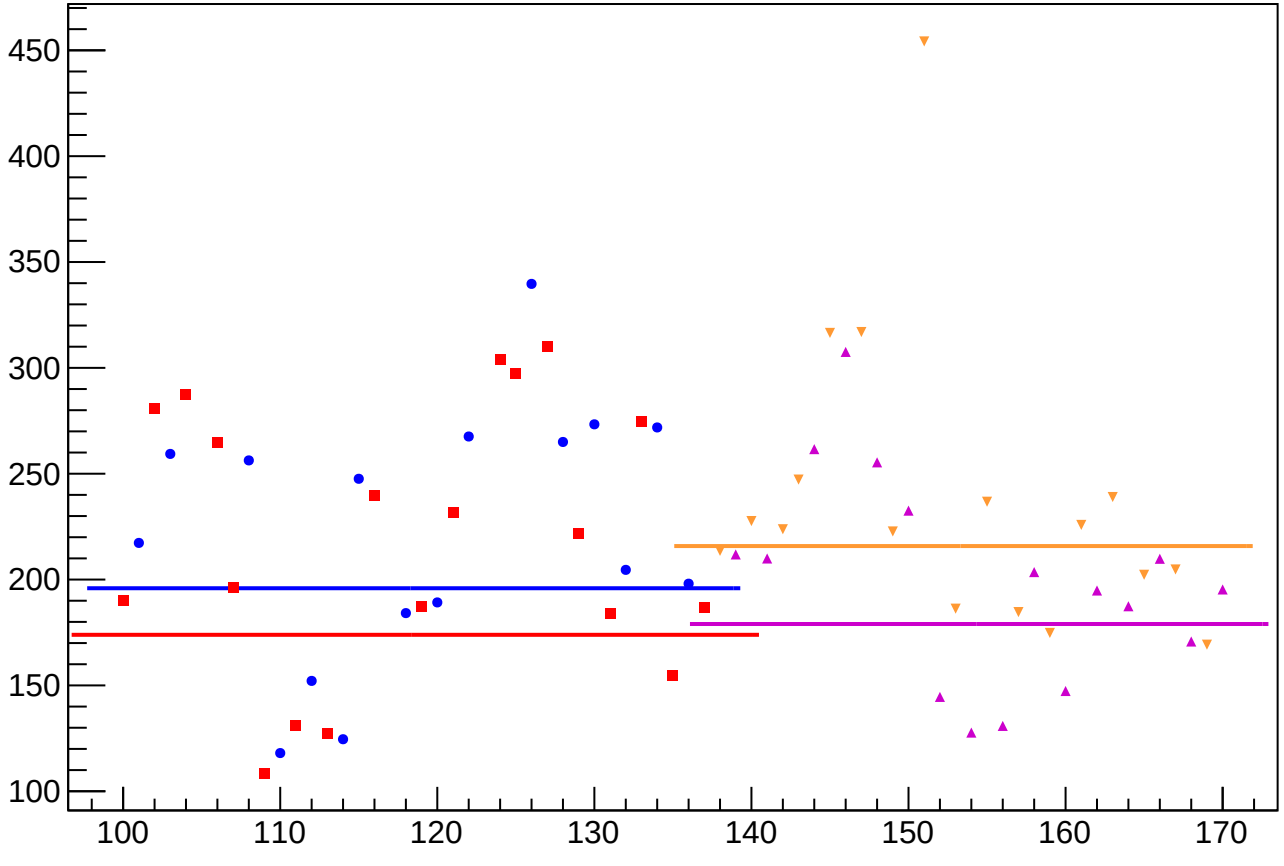
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 74.940+/-43.112 χ^2/NDF:24.8/31

Out: 24.580+/-45.715 χ^2/NDF:29.5/35

All: 51.234+/-31.365 χ^2/NDF: 55.0/67

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: 215.824+/-0.043 χ^2/NDF:1135740.0/16

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.008+/-0.037 χ^2/NDF:1489488.7/15

Left: 194.489+/-0.028 χ^2/NDF: 3045853.3/32

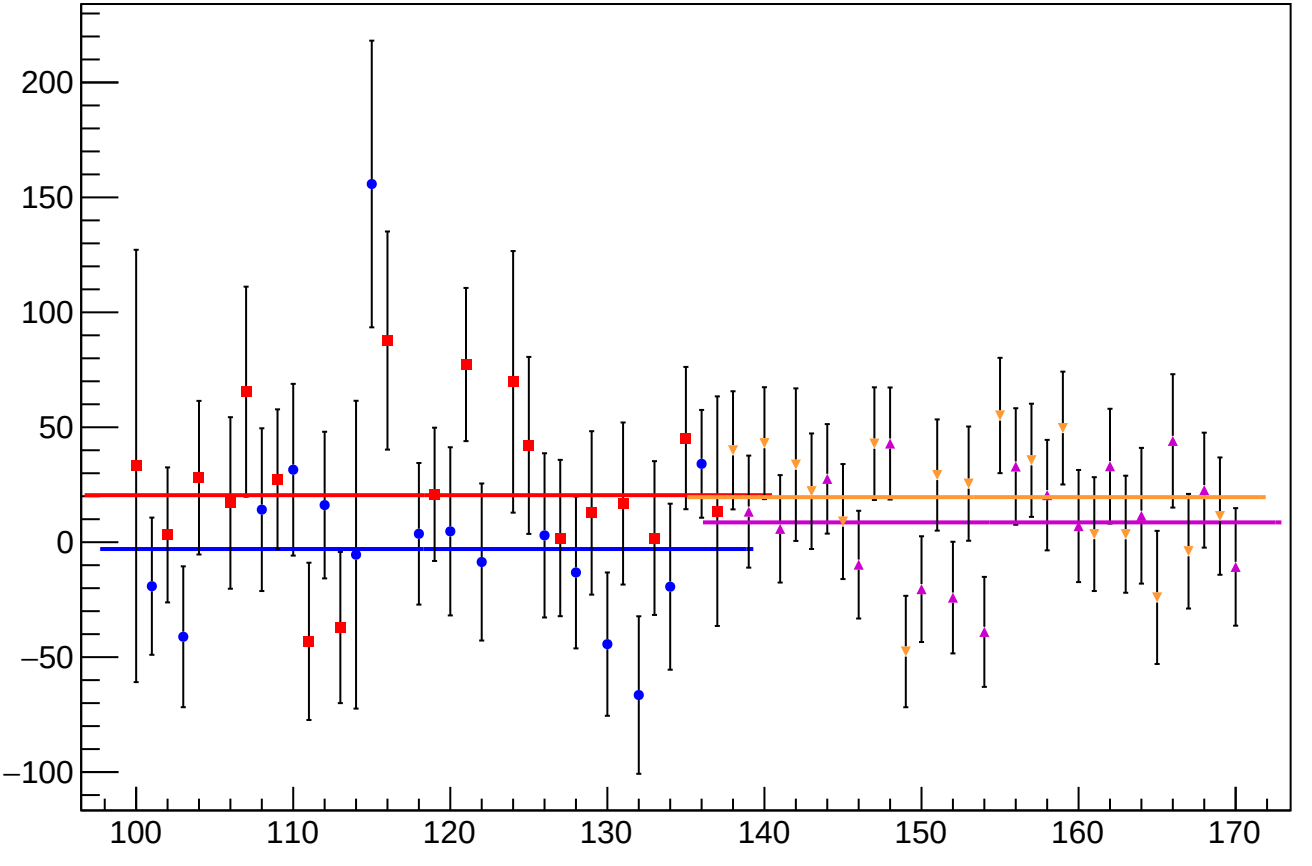
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.315+/-0.030 χ^2/NDF:2566658.8/31

Out: 197.360+/-0.032 χ^2/NDF:3149852.6/35

All: 190.456+/-0.022 χ^2/NDF: 5802713.6/67

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: 19.600+/-6.155 χ^2/NDF:18.7/16

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.621+/-6.183 χ^2/NDF:15.2/15

Left: 14.136+/-4.362 χ^2/NDF: 35.5/32

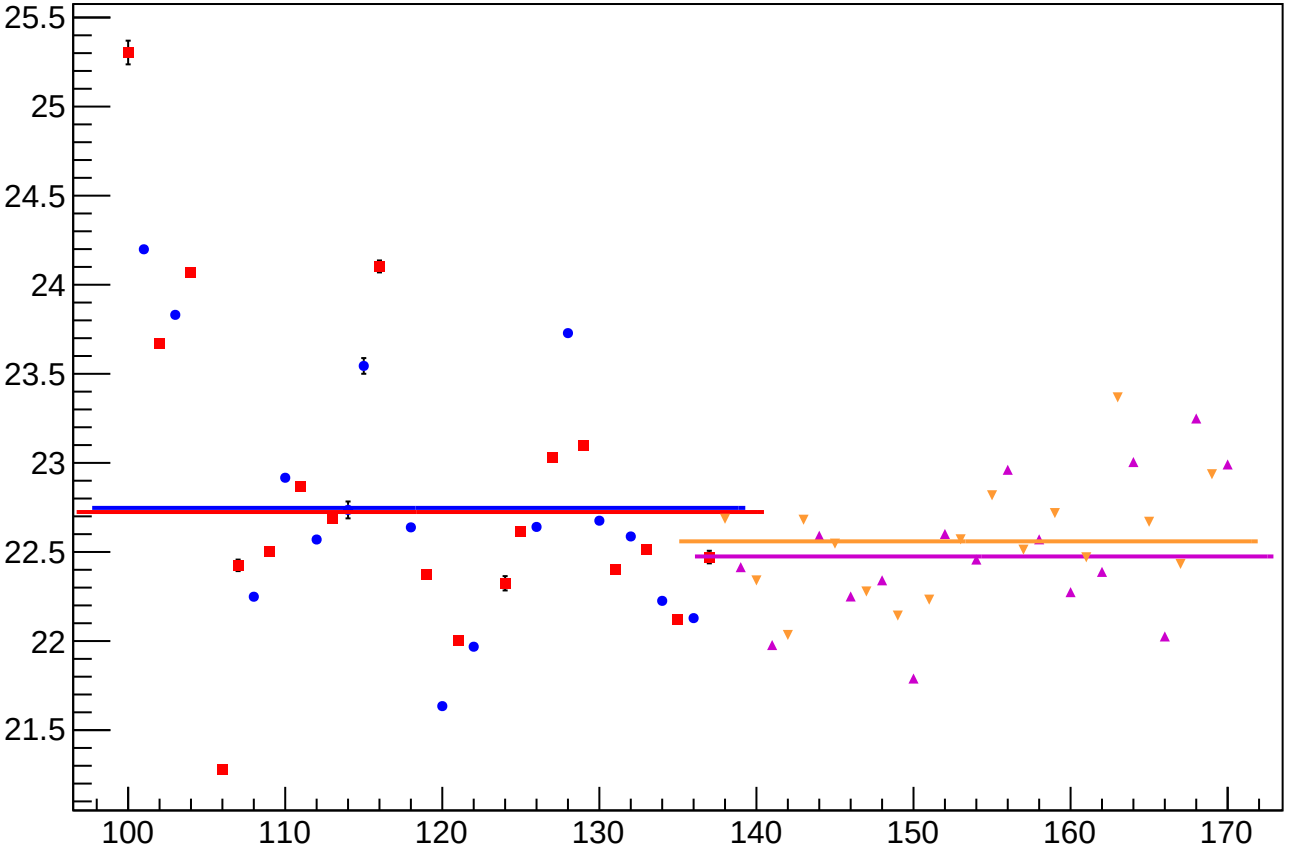
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.582+/-4.991 χ^2/NDF:34.3/31

Out: 19.905+/-4.942 χ^2/NDF:34.0/35

All: 12.319+/-3.512 χ^2/NDF: 73.1/67

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: 22.560+/-0.004 χ^2/NDF:4842.0/16

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.475+/-0.004 χ^2/NDF:7825.2/15

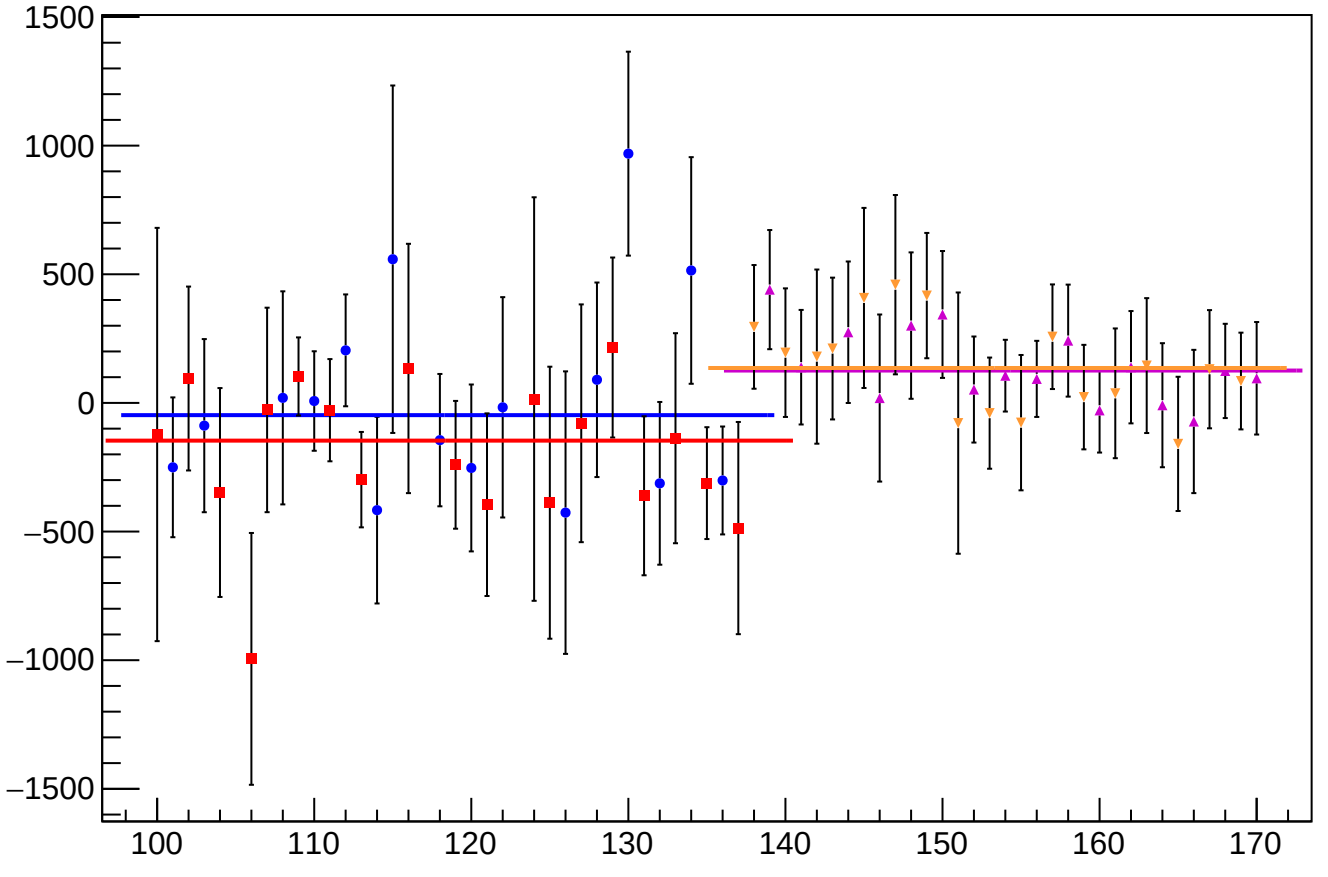
Left: 22.517+/-0.003 χ^2/NDF: 12856.0/32

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.570+/-0.004 χ^2/NDF:23802.9/31

Out: 22.618+/-0.003 χ^2/NDF:19840.9/35

All: 22.594+/-0.002 χ^2/NDF: 43738.1/67



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.723+/-60.986 χ^2/NDF:7.1/16

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 125.821+/-51.911 χ^2/NDF:5.6/15

Left: 129.981+/-39.529 χ^2/NDF: 12.7/32

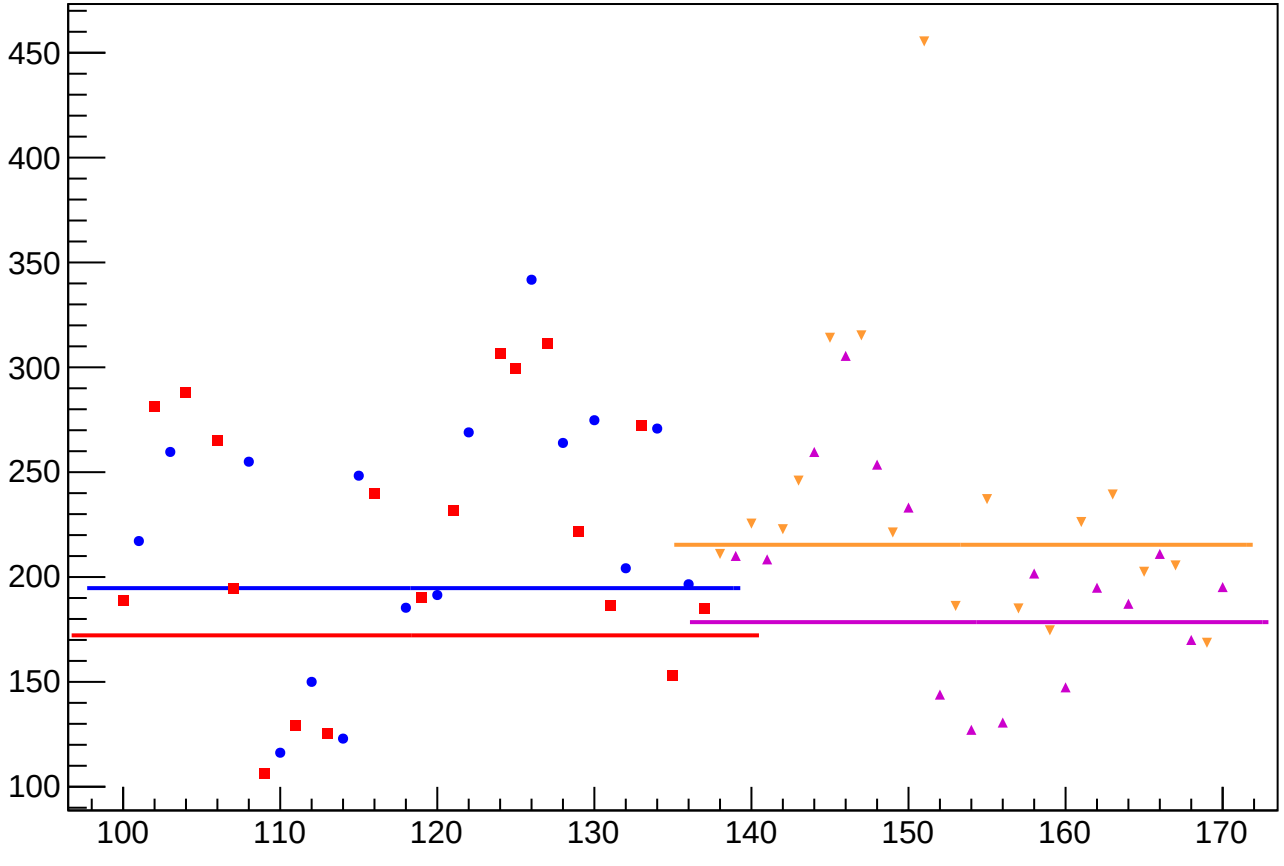
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 71.238+/-42.967 χ^2/NDF:24.5/31

Out: 10.694+/-45.519 χ^2/NDF:28.1/35

All: 42.711+/-31.246 χ^2/NDF: 53.6/67

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: 215.380+/-0.043 χ^2/NDF:1128925.7/16

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 178.492+/-0.037 χ^2/NDF:1479632.9/15

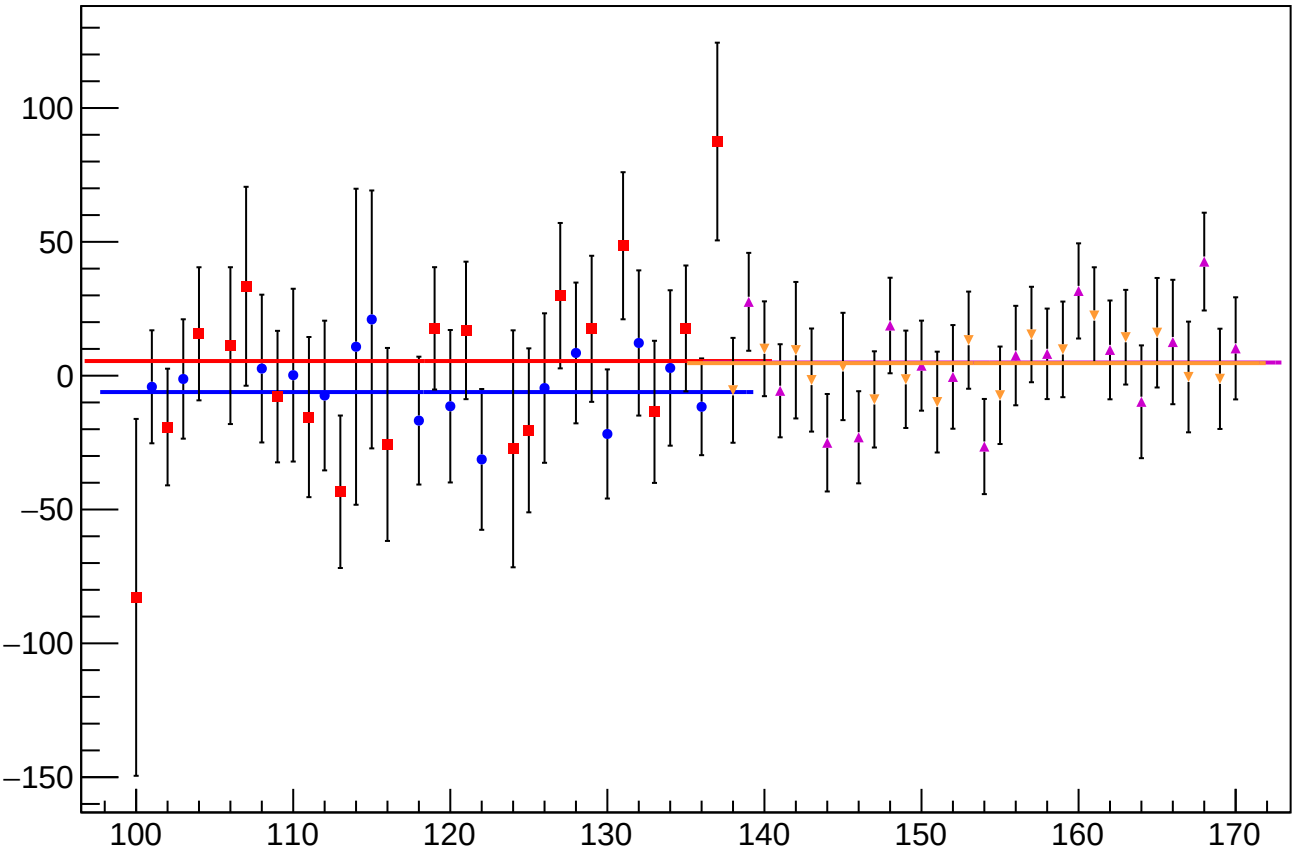
Left: 193.990+/-0.028 χ^2/NDF: 3032863.7/32

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.598+/-0.030 χ^2/NDF:2593377.2/31

Out: 196.249+/-0.032 χ^2/NDF:3244343.1/35

All: 189.559+/-0.022 χ^2/NDF: 5919420.5/67



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.689+/-4.582 χ^2/NDF:4.6/16

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.915+/-4.587 χ^2/NDF:18.4/15

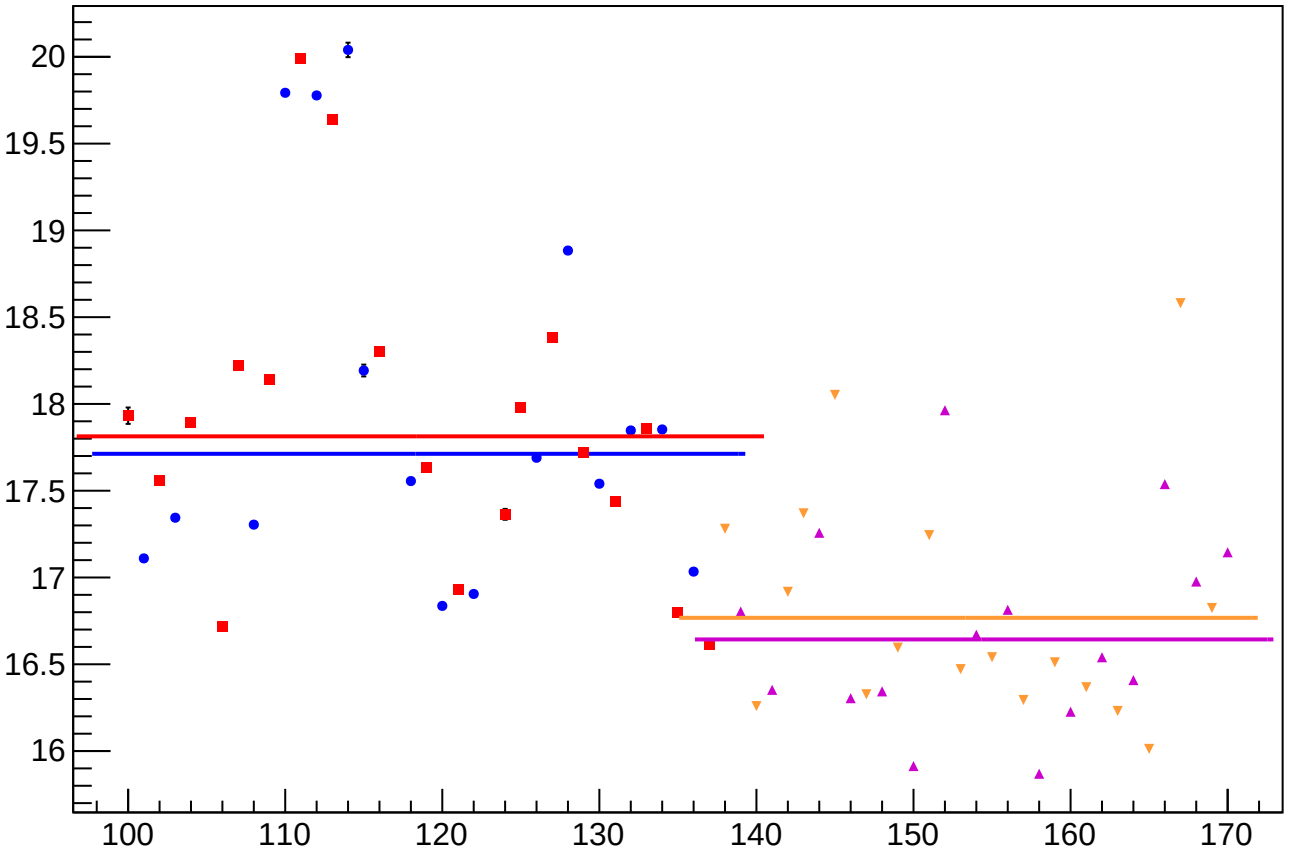
Left: 4.802+/-3.242 χ^2/NDF: 23.0/32

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.316+/-3.765 χ^2/NDF:23.4/31

Out: 4.948+/-3.747 χ^2/NDF:23.8/35

All: 3.141+/-2.656 χ^2/NDF: 47.7/67



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.768+/-0.003 χ^2/NDF:39514.3/16

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.643+/-0.003 χ^2/NDF:28175.7/15

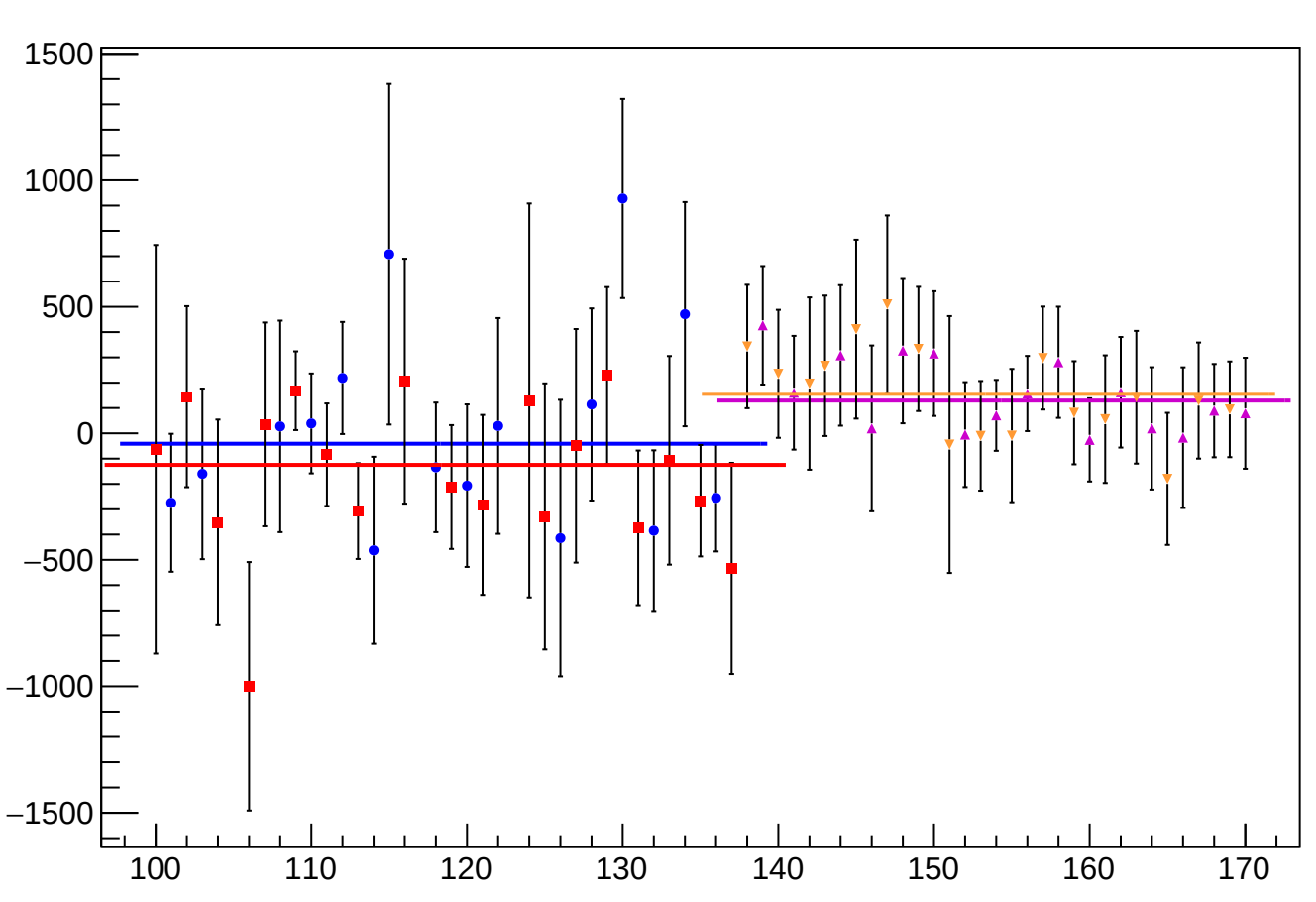
Left: 16.705+/-0.002 χ^2/NDF: 68428.4/32

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.992+/-0.003 χ^2/NDF:99631.2/31

Out: 17.114+/-0.003 χ^2/NDF:106735.1/35

All: 17.053+/-0.002 χ^2/NDF: 207424.7/67



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 156.097+/-61.246 χ^2/NDF:6.6/16

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 129.418+/-52.161 χ^2/NDF:5.8/15

Left: 140.634+/-39.711 χ^2/NDF: 12.5/32

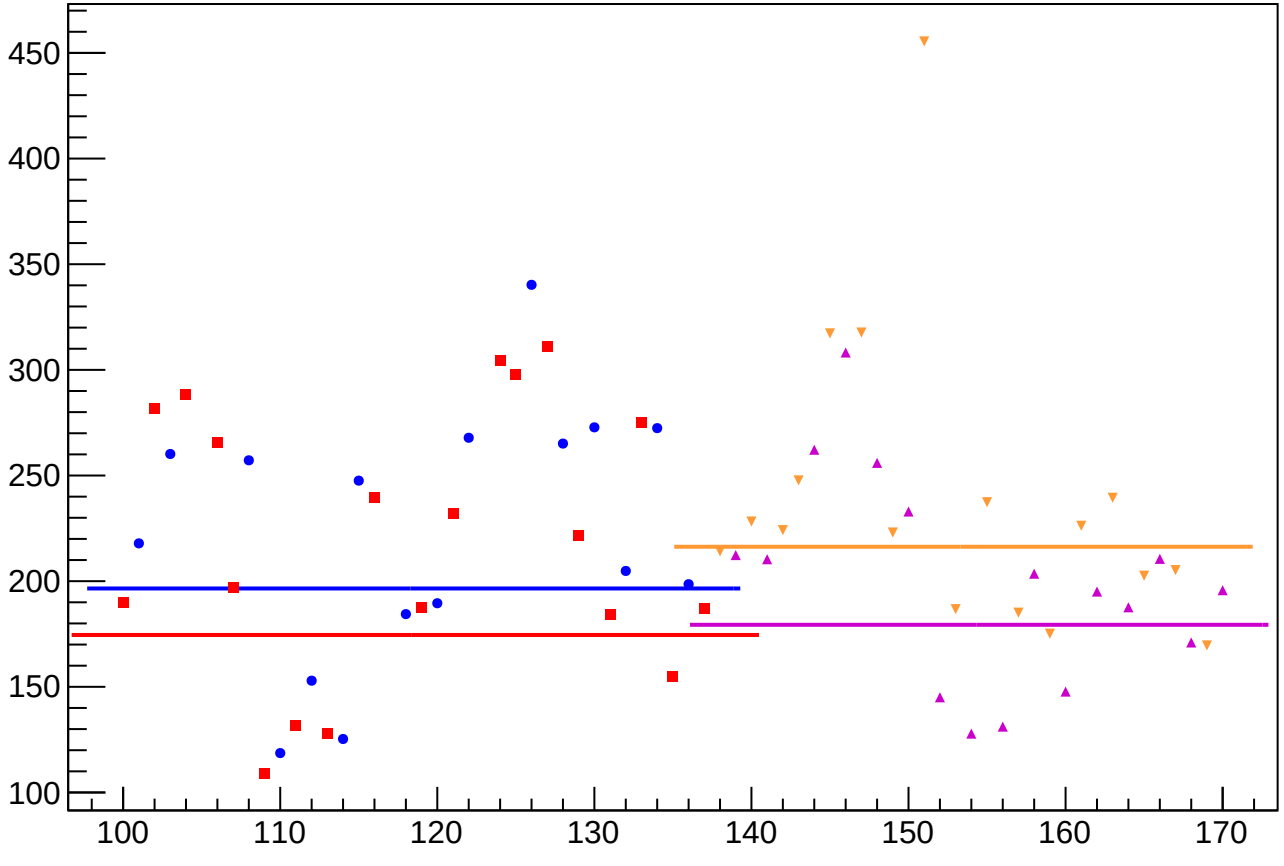
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 75.911+/-43.209 χ^2/NDF:24.8/31

Out: 32.499+/-45.836 χ^2/NDF:28.7/35

All: 55.484+/-31.441 χ^2/NDF: 54.0/67

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: 216.289+/-0.043 χ^2/NDF:1136107.5/16

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 179.355+/-0.037 χ^2/NDF:1489524.9/15

Left: 194.882+/-0.028 χ^2/NDF: 3047198.4/32

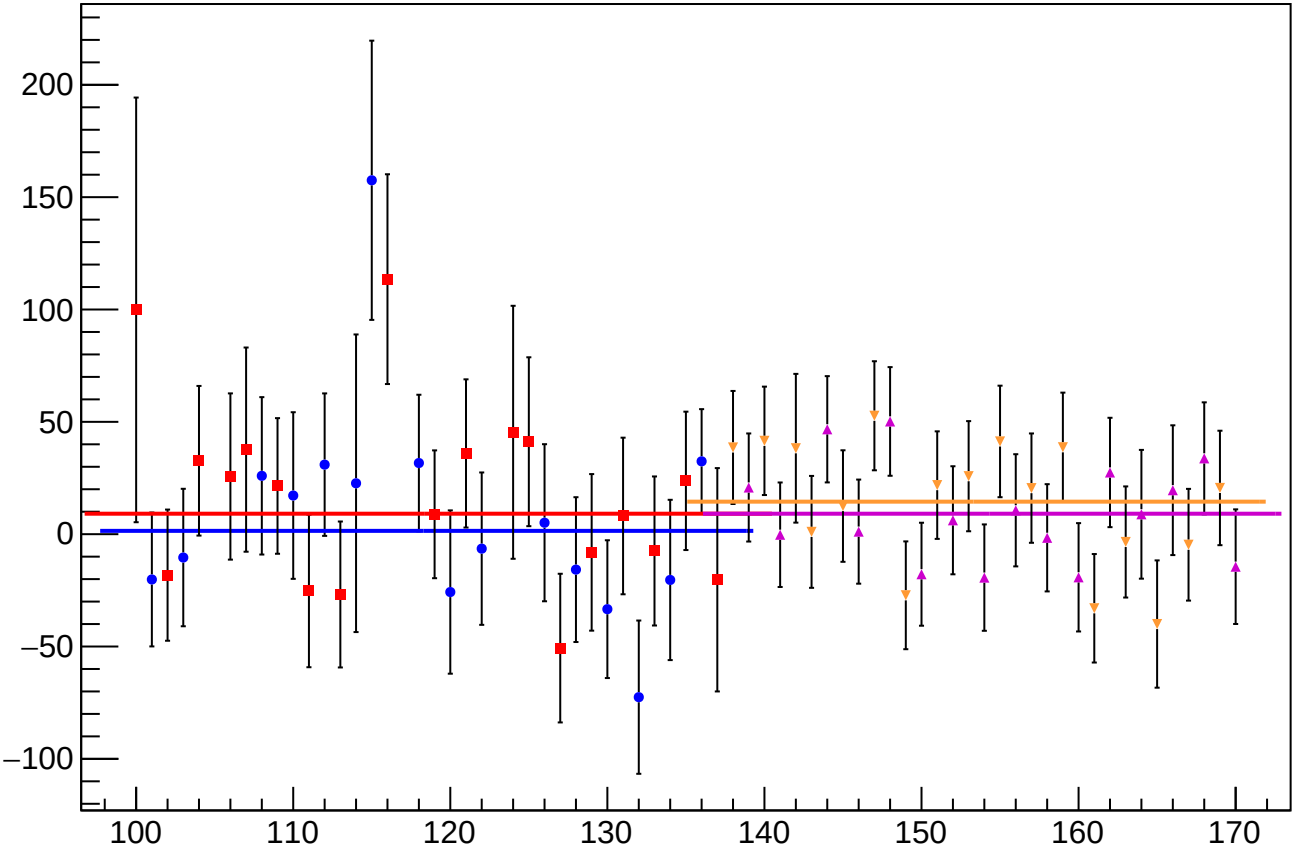
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.748+/-0.031 χ^2/NDF:2558426.9/31

Out: 197.924+/-0.032 χ^2/NDF:3133656.9/35

All: 190.948+/-0.022 χ^2/NDF: 5779586.3/67

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 14.477+/-6.080 χ^2/NDF:19.8/16

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 9.107+/-6.122 χ^2/NDF:12.9/15

Left: 11.810+/-4.314 χ^2/NDF: 33.0/32

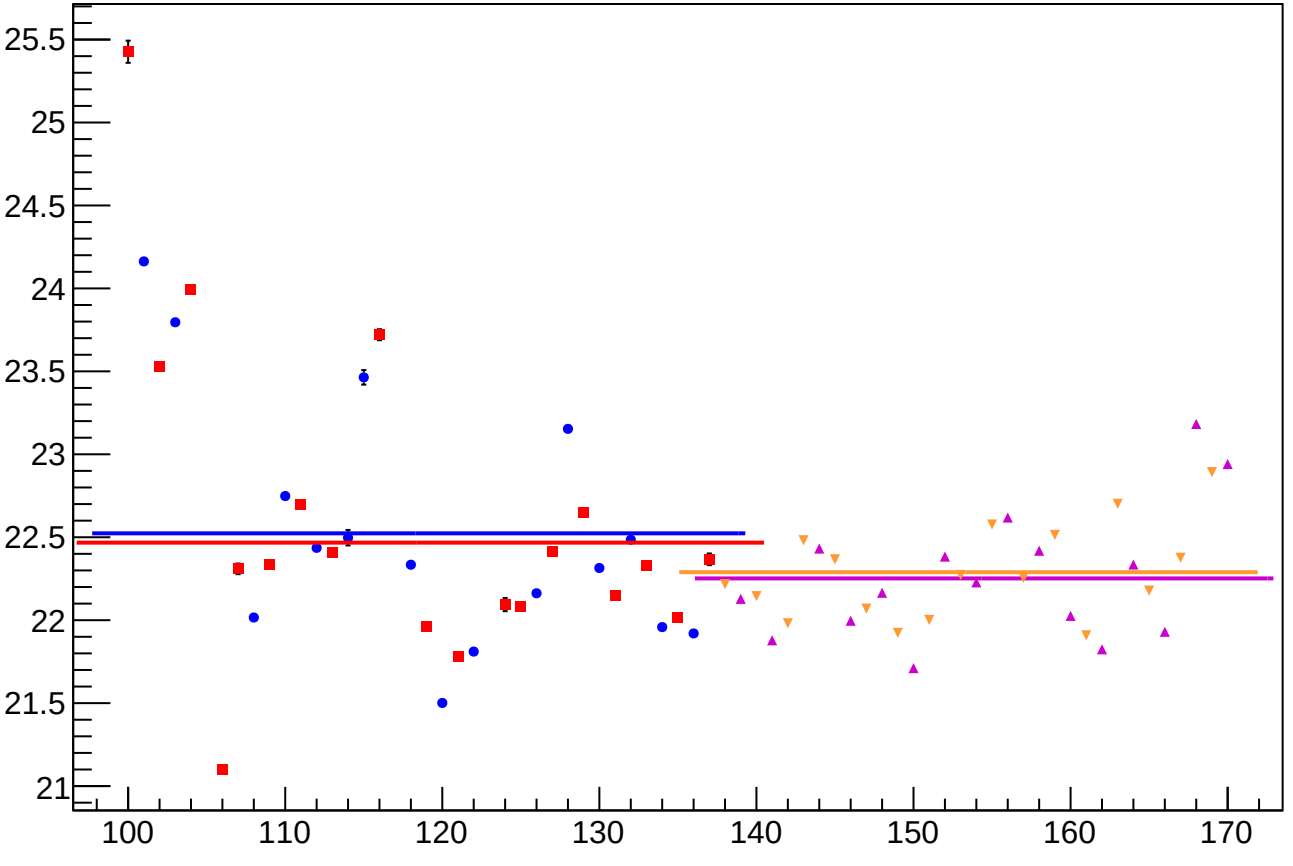
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.447+/-4.941 χ^2/NDF:32.1/31

Out: 12.573+/-4.884 χ^2/NDF:36.5/35

All: 9.546+/-3.473 χ^2/NDF: 69.4/67

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: 22.289+/-0.004 χ^2/NDF:3991.6/16

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.252+/-0.004 χ^2/NDF:7962.5/15

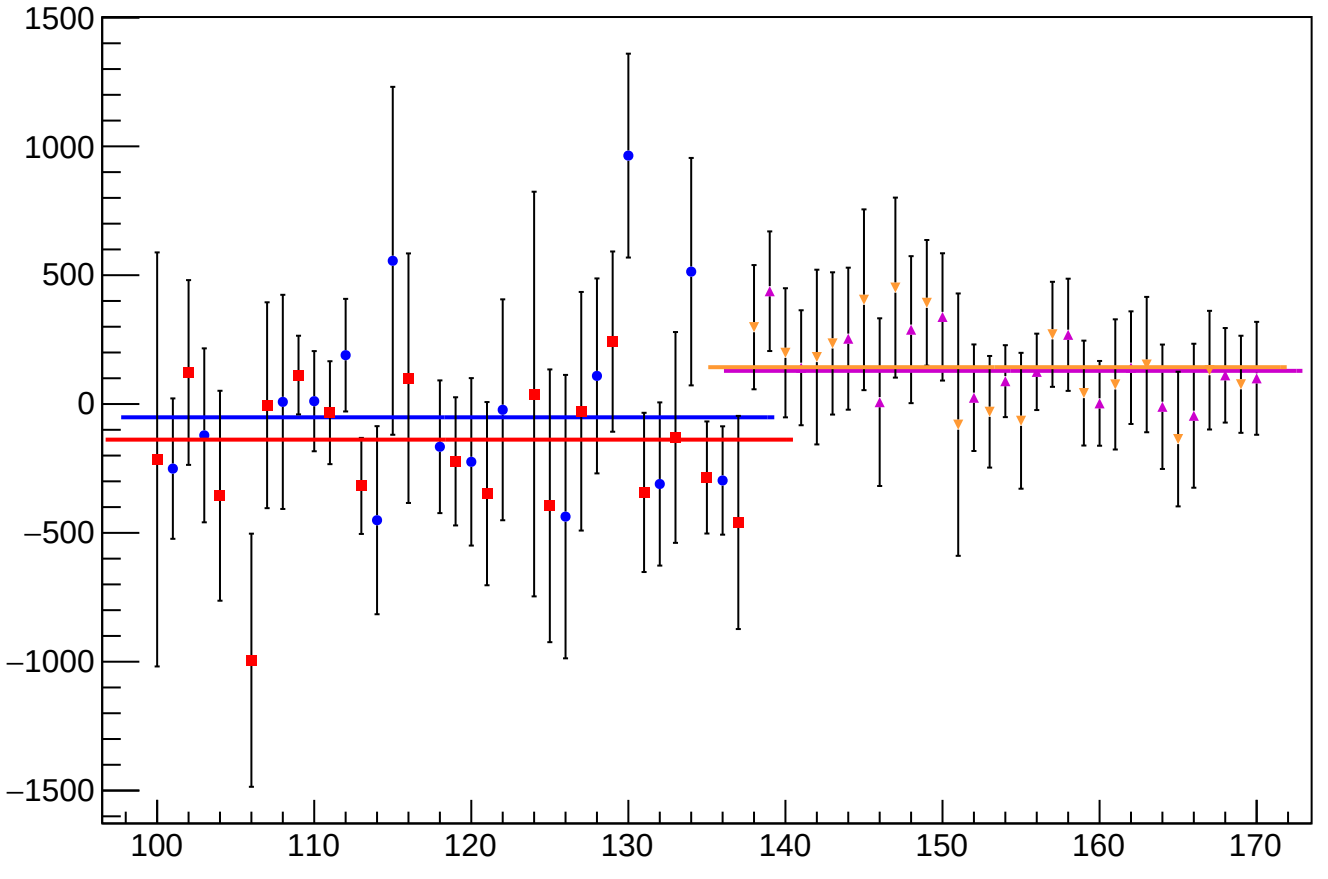
Left: 22.271+/-0.003 χ^2/NDF: 11991.8/32

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.347+/-0.003 χ^2/NDF:25283.9/31

Out: 22.353+/-0.003 χ^2/NDF:20228.5/35

All: 22.350+/-0.002 χ^2/NDF: 45514.0/67



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 142.989+/-61.118 χ^2/NDF:6.4/16

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 128.805+/-52.012 χ^2/NDF:5.2/15

Left: 134.762+/-39.610 χ^2/NDF: 11.7/32

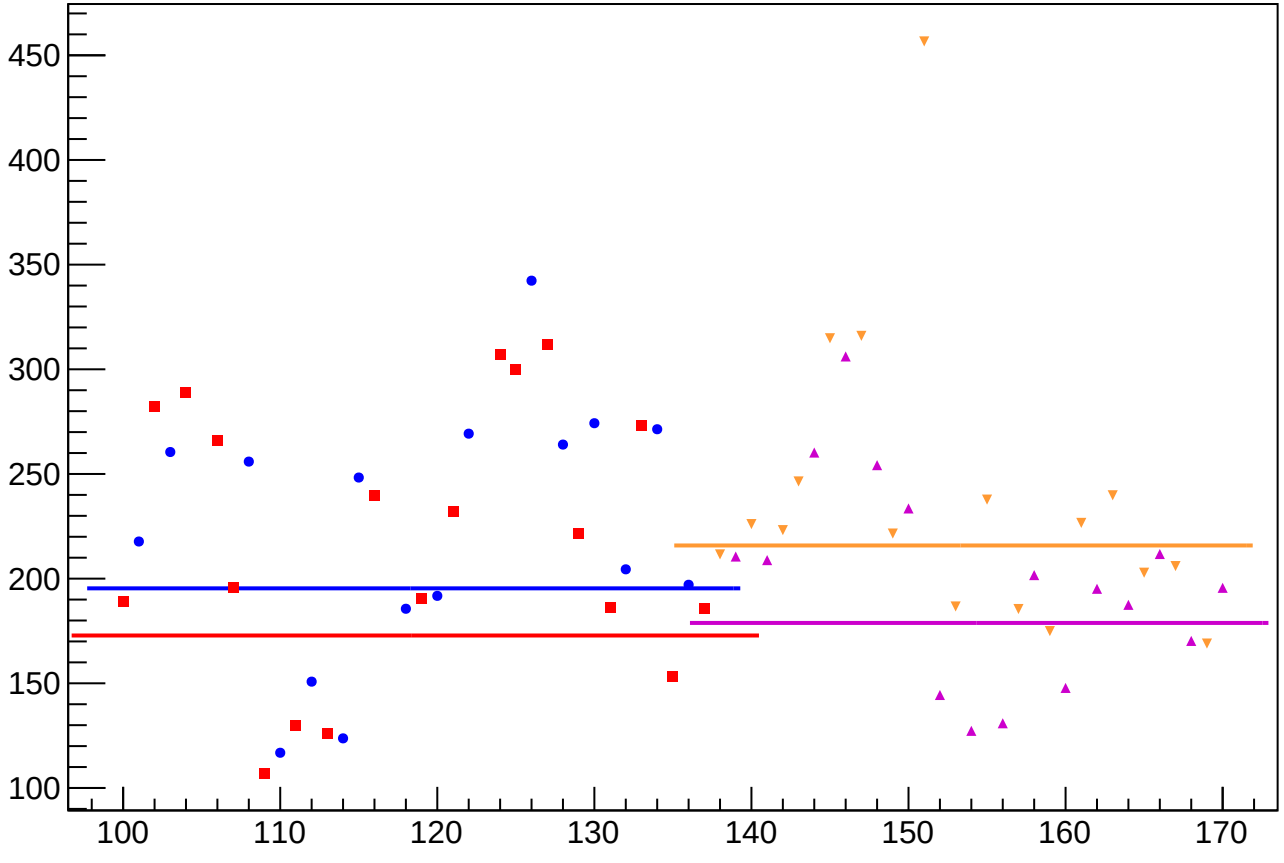
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 72.111+/-43.065 χ^2/NDF:24.4/31

Out: 18.615+/-45.641 χ^2/NDF:27.4/35

All: 46.916+/-31.323 χ^2/NDF: 52.5/67

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: 215.845+/-0.043 χ^2/NDF:1129291.5/16

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 178.837+/-0.037 χ^2/NDF:1479795.2/15

Left: 194.381+/-0.028 χ^2/NDF: 3034372.2/32

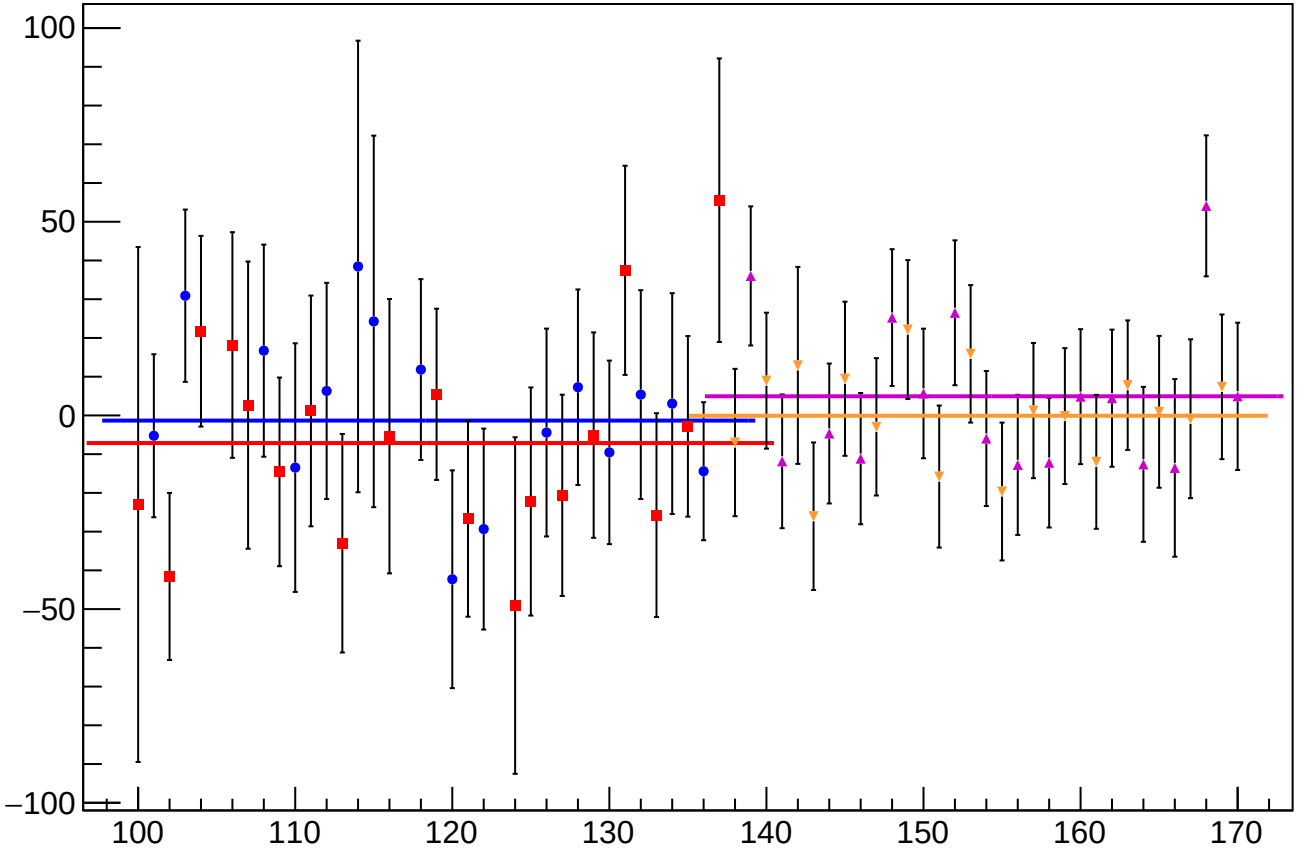
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.033+/-0.030 χ^2/NDF:2584700.0/31

Out: 196.821+/-0.032 χ^2/NDF:3226785.3/35

All: 190.056+/-0.022 χ^2/NDF: 5894542.4/67

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: -0.082+/-4.484 χ^2/NDF:7.9/16

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 4.942+/-4.507 χ^2/NDF:18.9/15

Left: 2.417+/-3.179 χ^2/NDF: 27.5/32

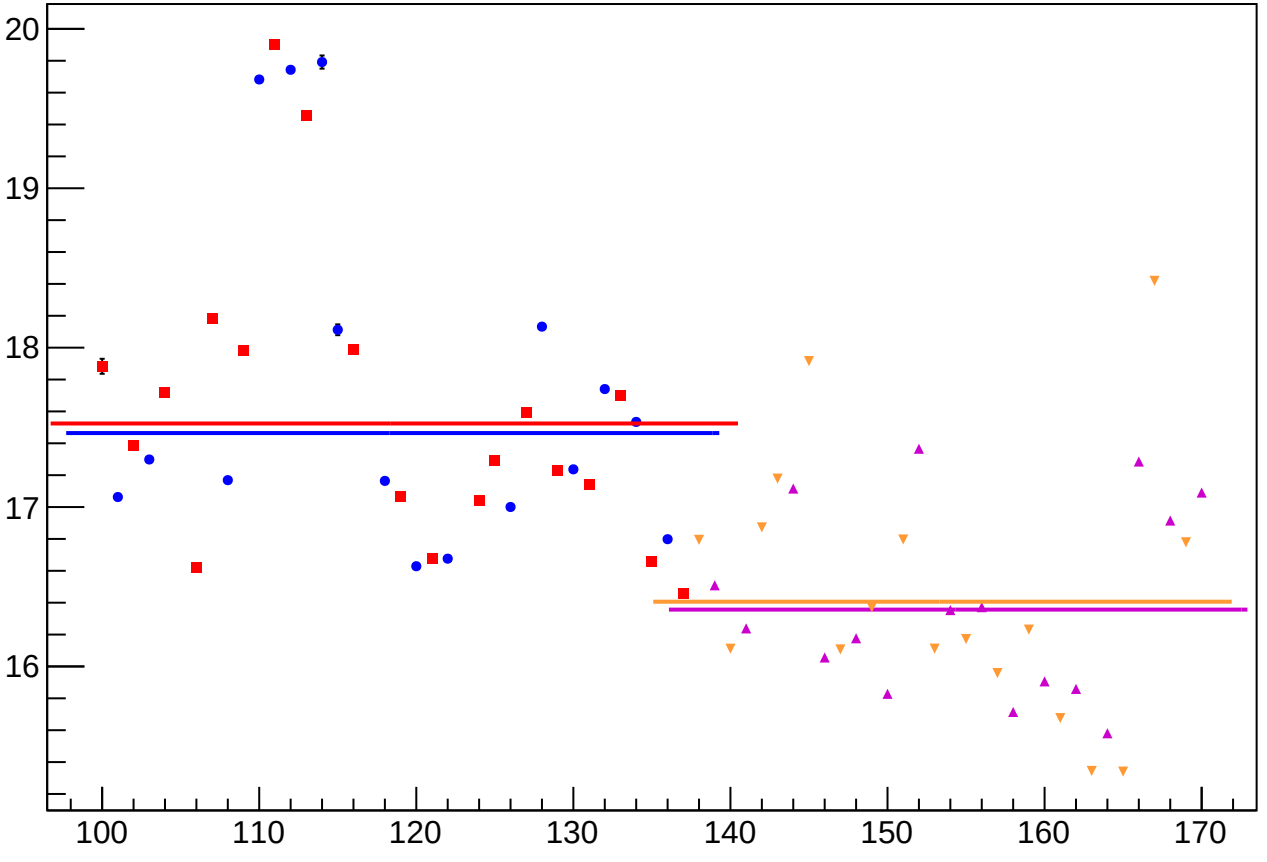
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.905+/-3.703 χ^2/NDF:27.5/31

Out: -2.400+/-3.673 χ^2/NDF:23.2/35

All: 0.230+/-2.608 χ^2/NDF: 51.7/67

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: 16.406+/-0.003 χ^2/NDF:58385.5/16

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.357+/-0.003 χ^2/NDF:29451.3/15

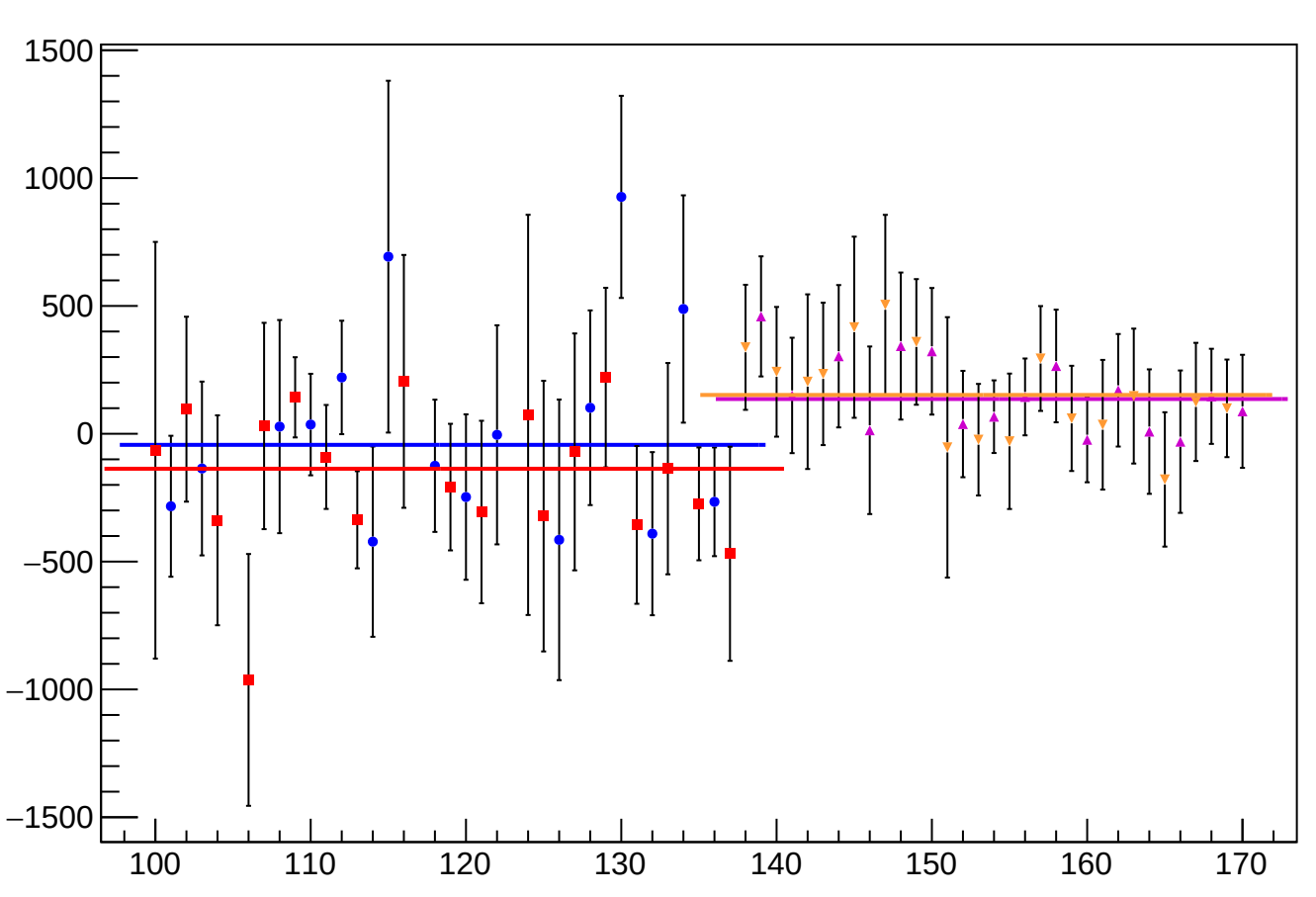
Left: 16.382+/-0.002 χ^2/NDF: 87958.8/32

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.716+/-0.003 χ^2/NDF:105329.9/31

Out: 16.774+/-0.003 χ^2/NDF:134039.1/35

All: 16.745+/-0.002 χ^2/NDF: 239615.4/67



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 151.806+/-61.616 χ^2/NDF:6.9/16

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 135.931+/-52.577 χ^2/NDF:5.9/15

Left: 142.620+/-39.995 χ^2/NDF: 12.9/32

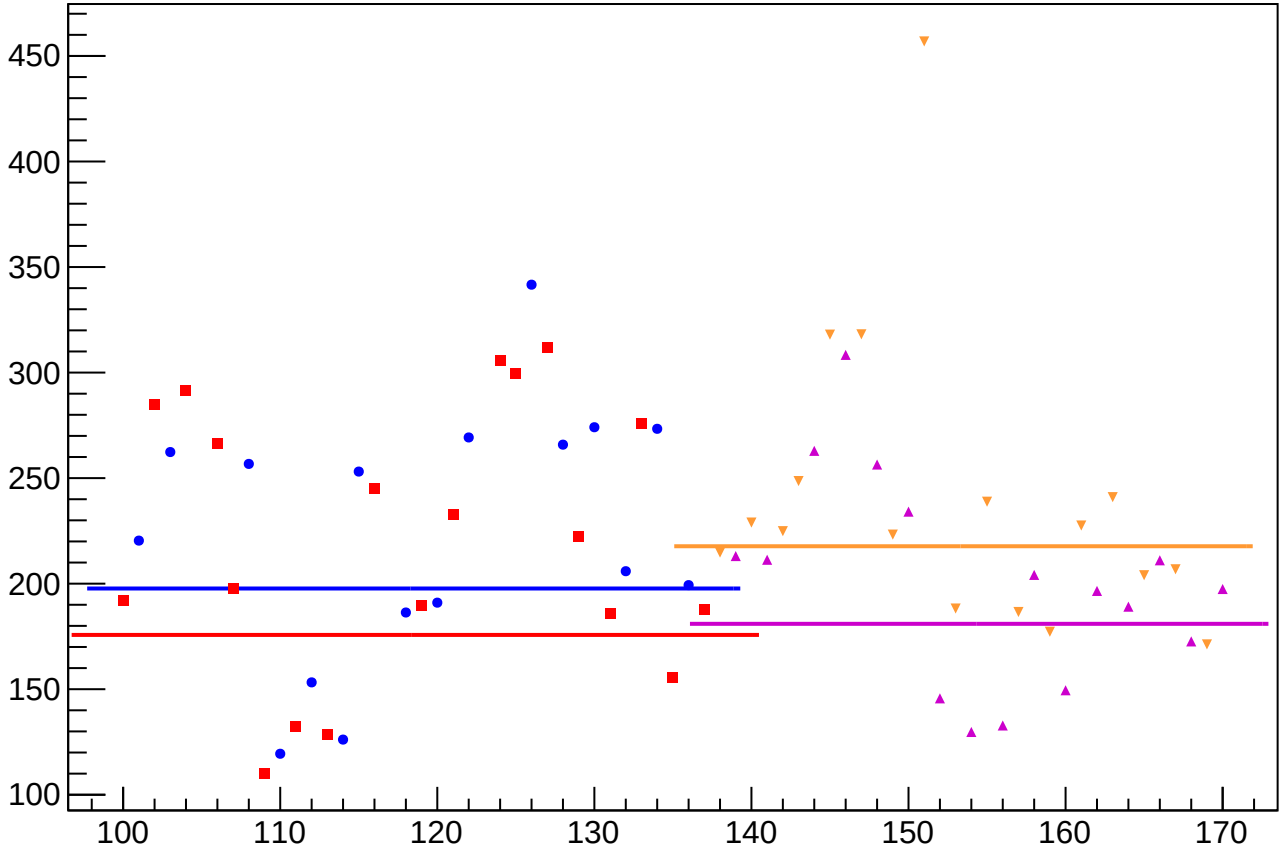
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 79.498+/-43.524 χ^2/NDF:25.0/31

Out: 24.921+/-46.122 χ^2/NDF:28.1/35

All: 53.790+/-31.655 χ^2/NDF: 53.9/67

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: 217.722+/-0.044 χ^2/NDF:1115021.4/16

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 180.971+/-0.037 χ^2/NDF:1446384.8/15

Left: 196.456+/-0.028 χ^2/NDF: 2973151.3/32

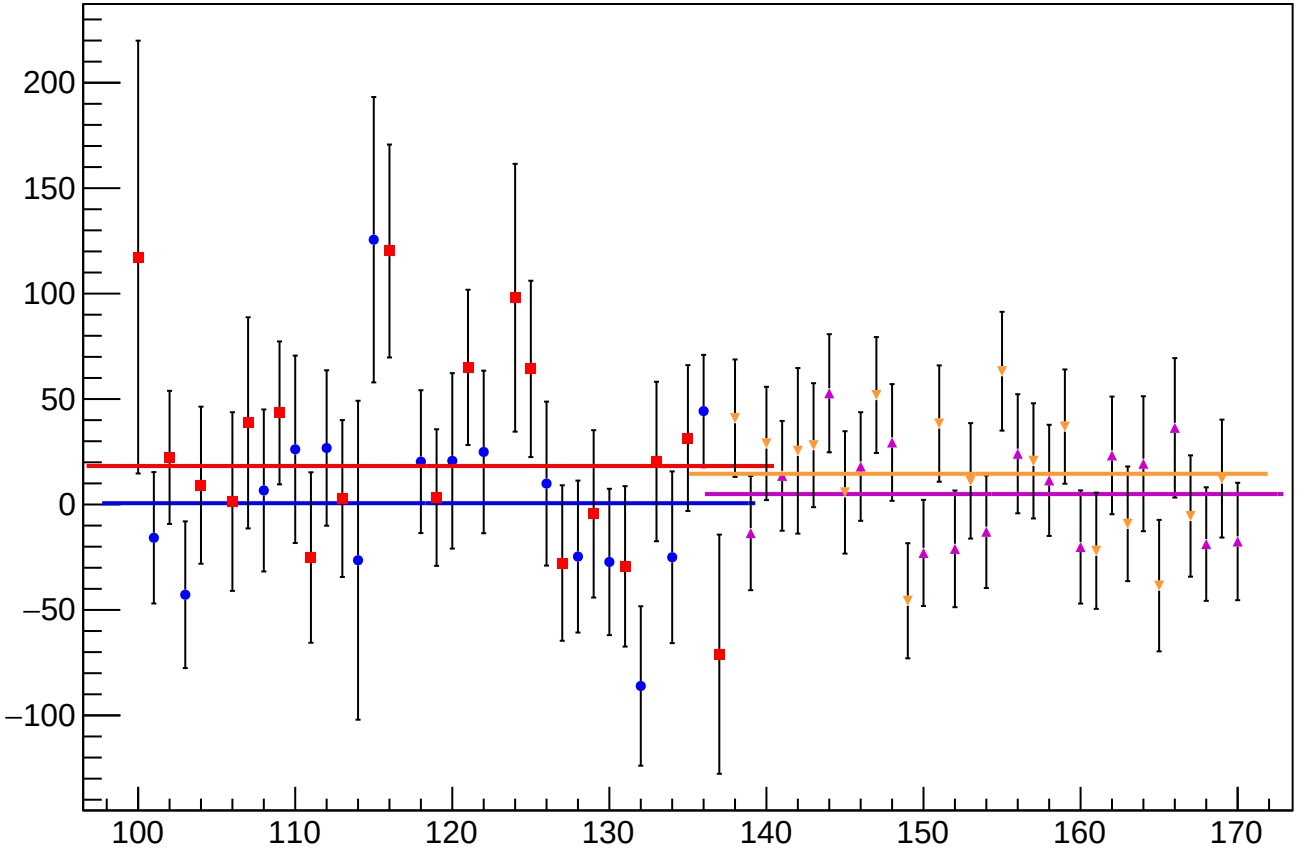
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.238+/-0.031 χ^2/NDF:2510490.9/31

Out: 199.253+/-0.033 χ^2/NDF:3114300.5/35

All: 192.368+/-0.022 χ^2/NDF: 5709029.9/67

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 14.554+/-6.879 χ^2/NDF:18.7/16

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 4.952+/-6.876 χ^2/NDF:11.5/15

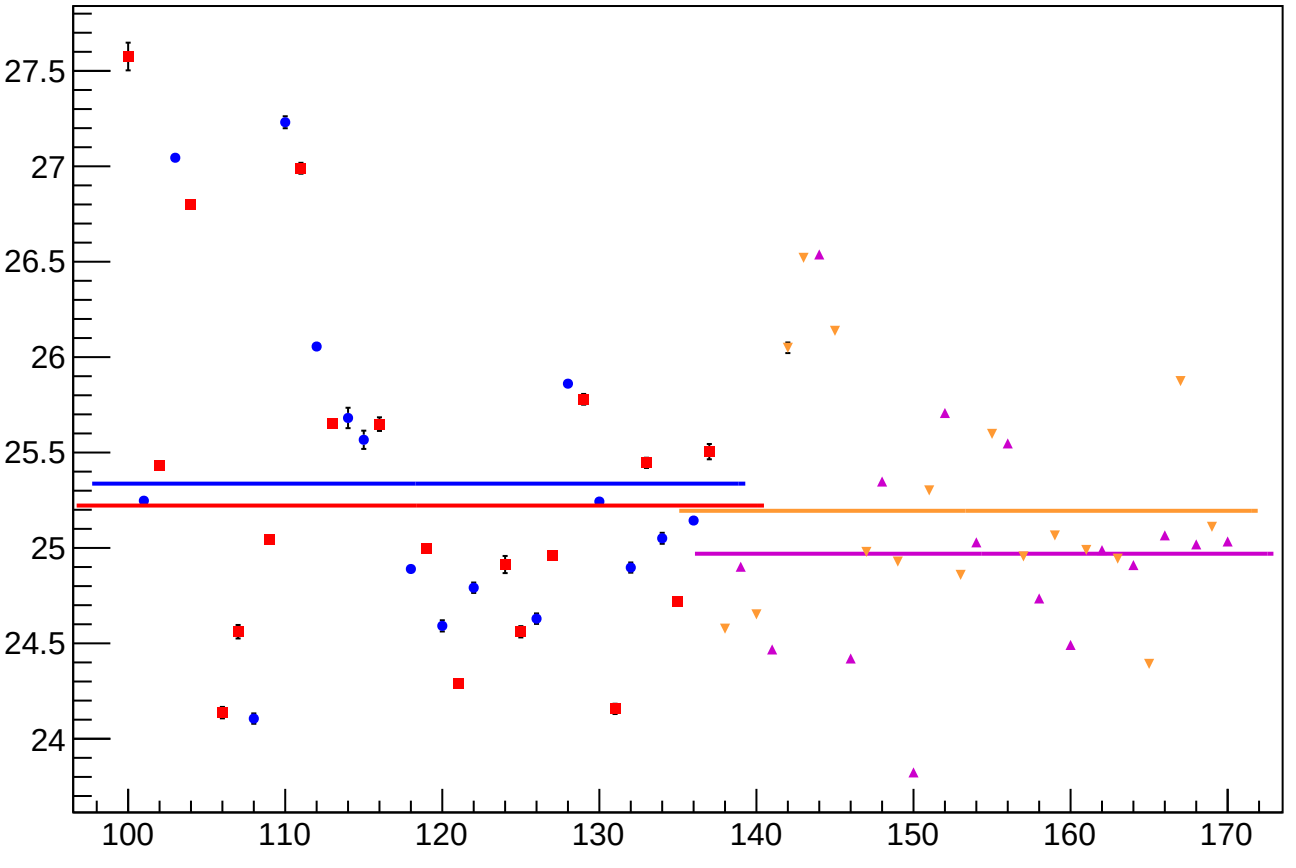
Left: 9.751+/-4.863 χ^2/NDF: 31.1/32

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.446+/-5.554 χ^2/NDF:28.3/31

Out: 15.877+/-5.511 χ^2/NDF:36.7/35

All: 9.710+/-3.912 χ^2/NDF: 67.6/67



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.195+/-0.005 χ^2/NDF:12921.0/16

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.970+/-0.005 χ^2/NDF:15563.3/15

Left: 25.082+/-0.003 χ^2/NDF: 29554.1/32

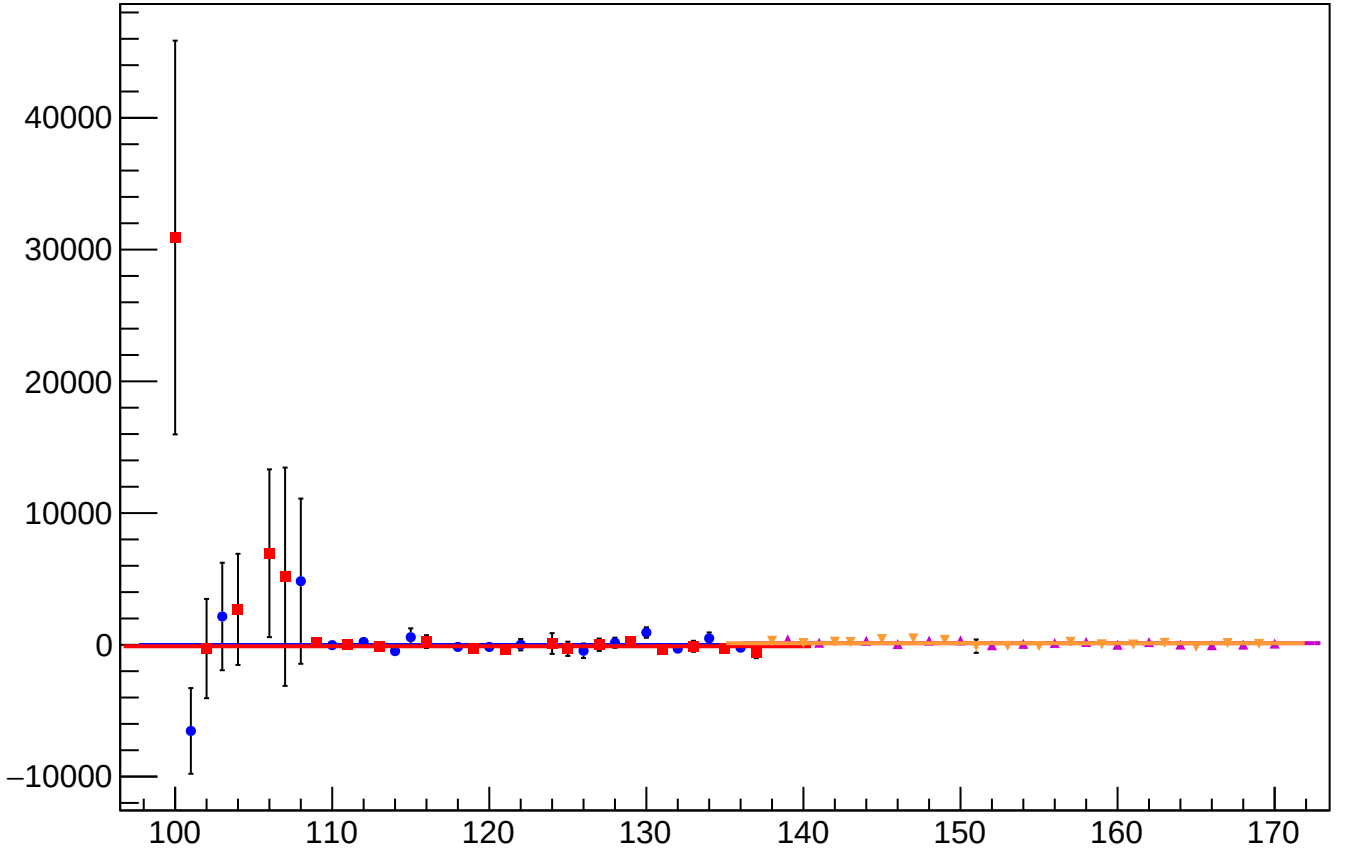
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.097+/-0.004 χ^2/NDF:31861.8/31

Out: 25.204+/-0.004 χ^2/NDF:28156.9/35

All: 25.151+/-0.003 χ^2/NDF: 60393.7/67

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: 122.147+/-62.203 χ^2/NDF:7.1/16

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 127.706+/-53.338 χ^2/NDF:5.4/15

Left: 125.351+/-40.490 χ^2/NDF: 12.5/32

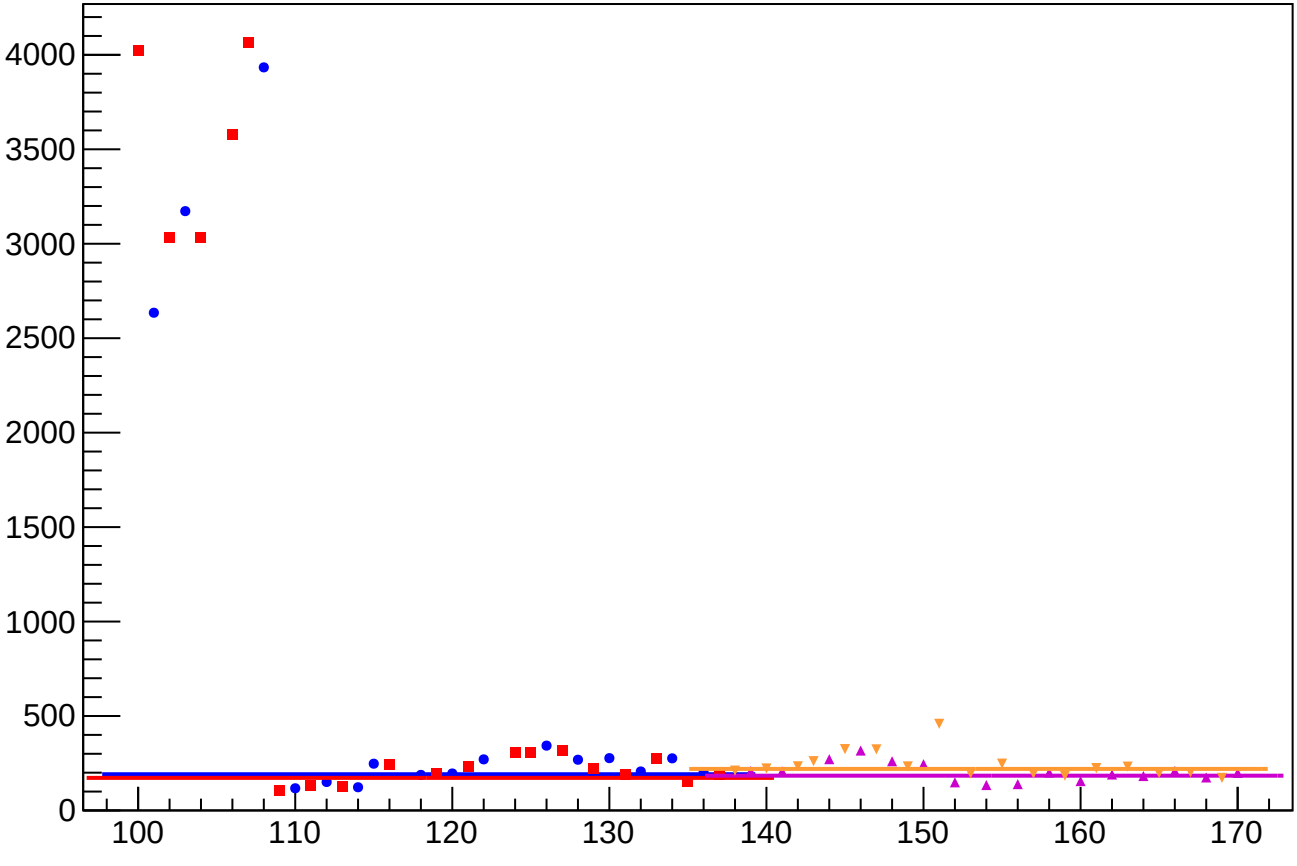
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 87.057+/-45.134 χ^2/NDF:25.7/31

Out: 32.497+/-48.656 χ^2/NDF:26.5/35

All: 61.823+/-33.090 χ^2/NDF: 52.9/67

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: 219.935+/-0.044 χ^2/NDF:1110400.9/16

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.089+/-0.038 χ^2/NDF:1329957.6/15

Left: 199.278+/-0.029 χ^2/NDF: 2823120.0/32

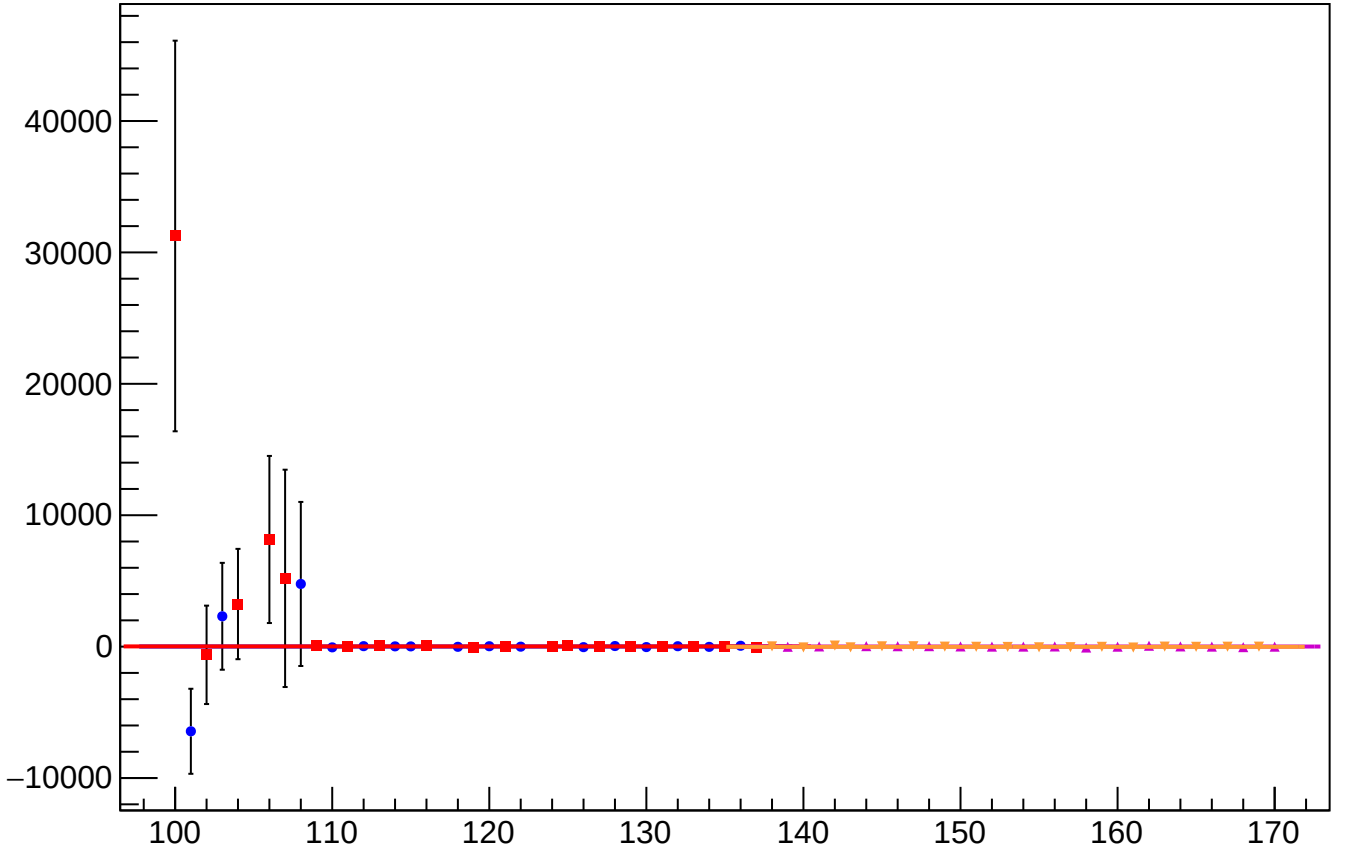
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.260+/-0.032 χ^2/NDF:5163433.9/31

Out: 201.509+/-0.034 χ^2/NDF:5865684.9/35

All: 193.313+/-0.023 χ^2/NDF: 11134704.8/67

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -14.261+/-7.875 χ^2/NDF:17.8/16

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 7.498+/-7.930 χ^2/NDF:16.5/15

Left: -3.458+/-5.588 χ^2/NDF: 38.1/32

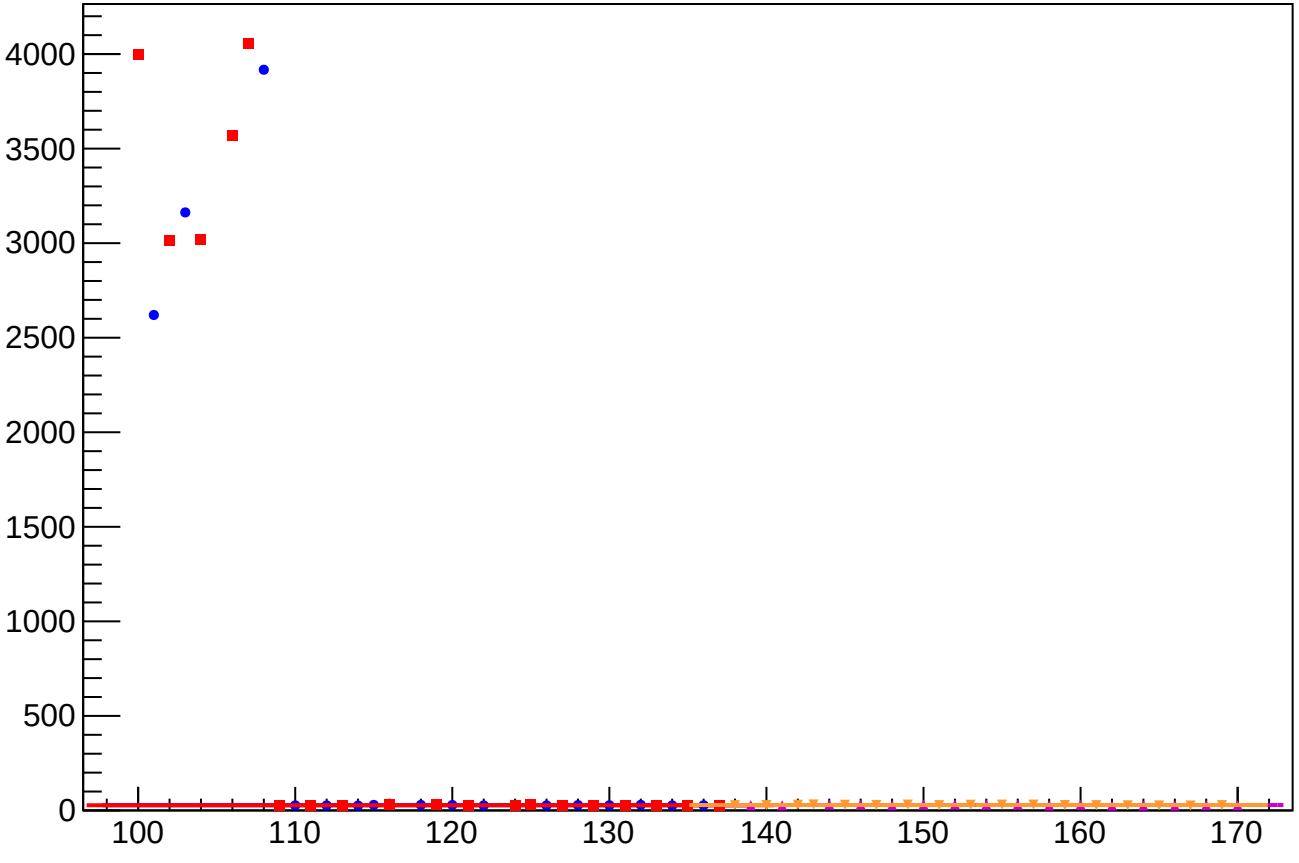
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 8.153+/-6.562 χ^2/NDF:32.5/31

Out: -4.294+/-6.551 χ^2/NDF:47.8/35

All: 1.920+/-4.636 χ^2/NDF: 82.1/67

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: 28.778+/-0.006 χ^2/NDF:80927.6/16

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.718+/-0.006 χ^2/NDF:110286.0/15

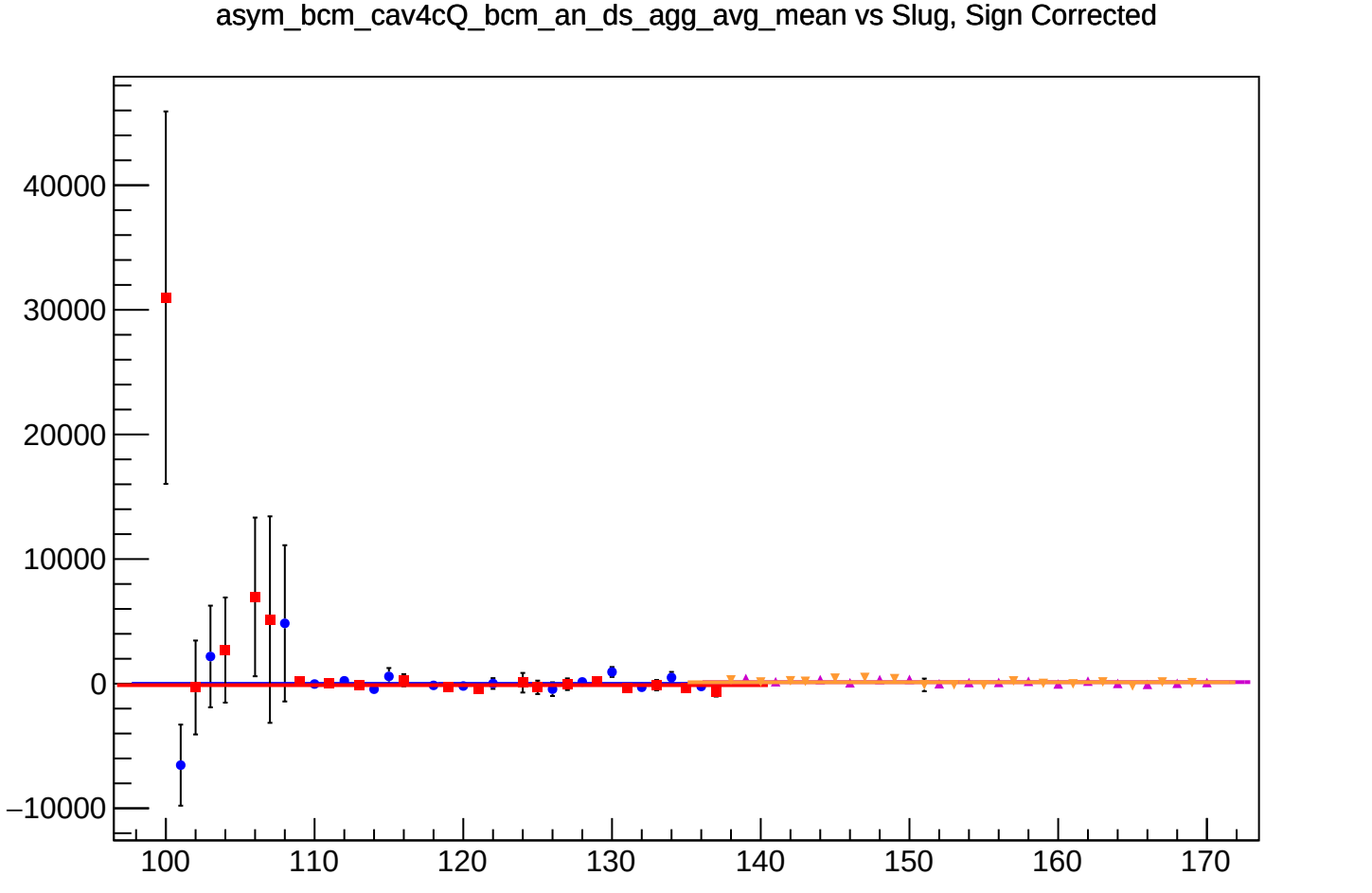
Left: 28.748+/-0.004 χ^2/NDF: 191271.7/32

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.378+/-0.005 χ^2/NDF:3387397.3/31

Out: 28.395+/-0.005 χ^2/NDF:3651509.1/35

All: 28.387+/-0.003 χ^2/NDF: 7038912.9/67



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.622+/-62.072 χ^2/NDF:7.8/16

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 124.873+/-53.238 χ^2/NDF:5.6/15

Left: 120.528+/-40.410 χ^2/NDF: 13.5/32

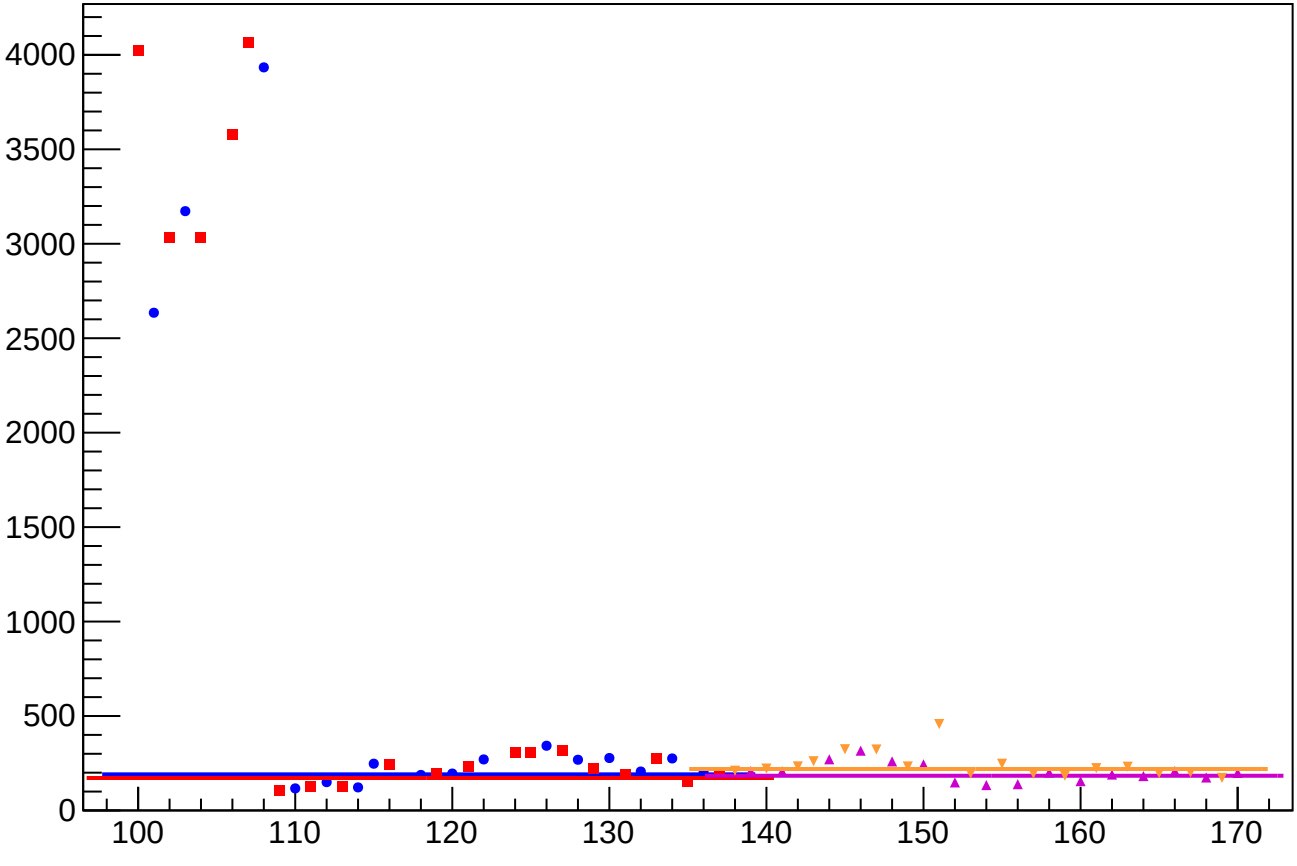
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 85.620+/-45.036 χ^2/NDF:25.8/31

Out: 24.206+/-48.536 χ^2/NDF:27.8/35

All: 57.207+/-33.014 χ^2/NDF: 54.5/67

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: 219.476+/-0.044 χ^2/NDF:1109932.8/16

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 183.748+/-0.038 χ^2/NDF:1329465.7/15

Left: 198.891+/-0.029 χ^2/NDF: 2821172.8/32

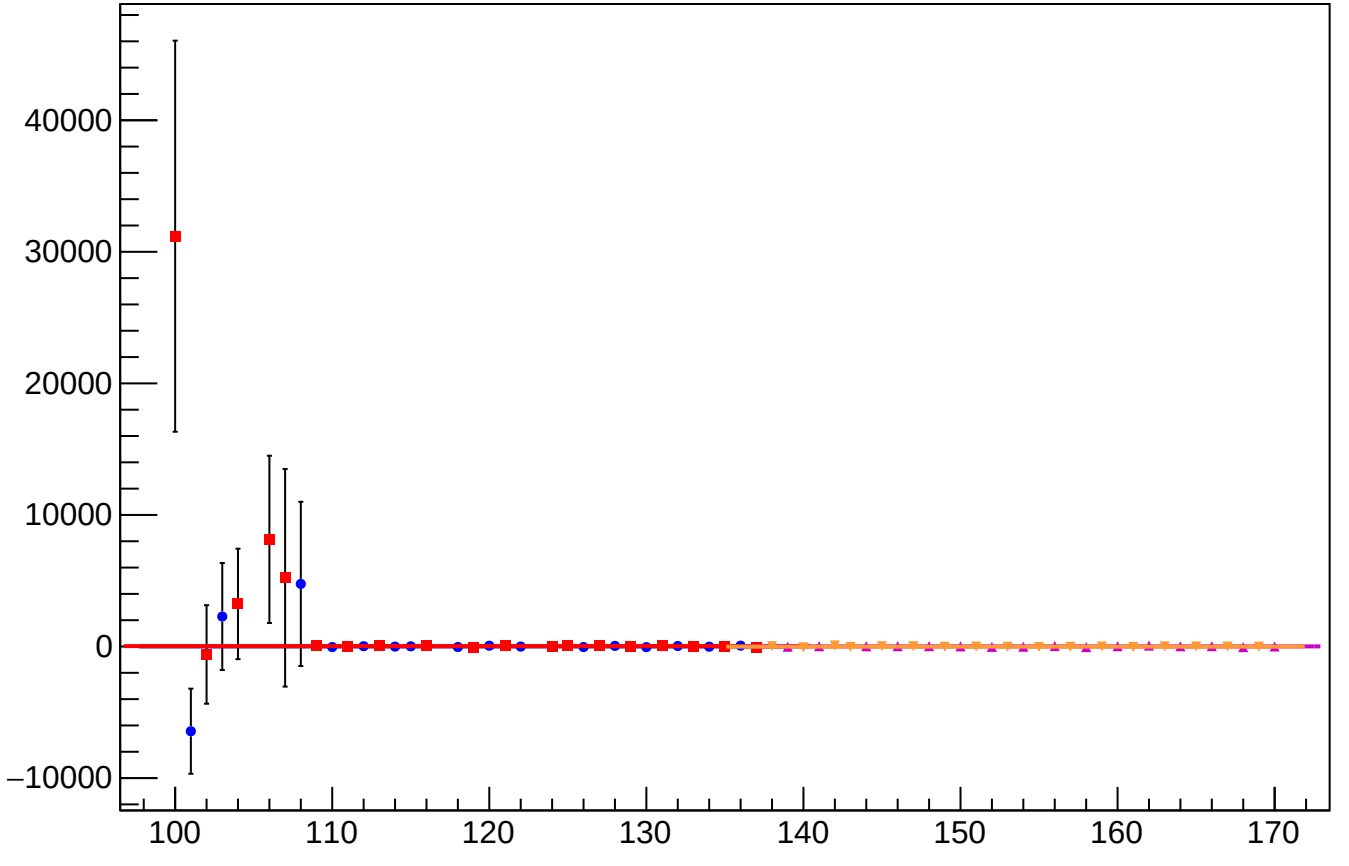
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.830+/-0.032 χ^2/NDF:5174175.9/31

Out: 200.964+/-0.034 χ^2/NDF:5882456.8/35

All: 192.832+/-0.023 χ^2/NDF: 11161116.4/67

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.626+/-7.931 χ^2/NDF:11.2/16

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 8.567+/-7.977 χ^2/NDF:16.0/15

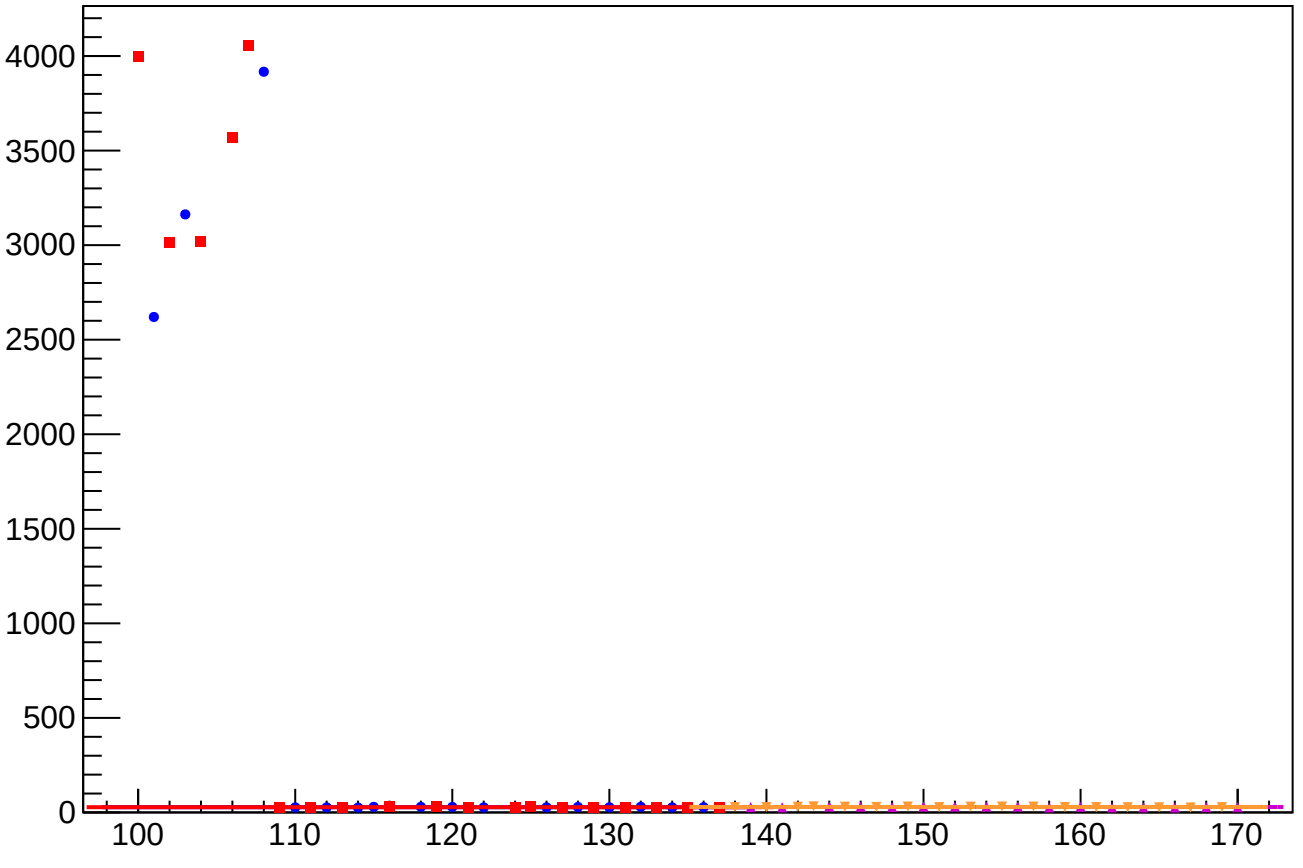
Left: -0.080+/-5.625 χ^2/NDF: 29.6/32

Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.913+/-6.603 χ^2/NDF:34.3/31

Out: 3.548+/-6.600 χ^2/NDF:38.8/35

All: 5.730+/-4.668 χ^2/NDF: 73.3/67



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.979+/-0.006 χ^2/NDF:86613.8/16

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.891+/-0.006 χ^2/NDF:111648.8/15

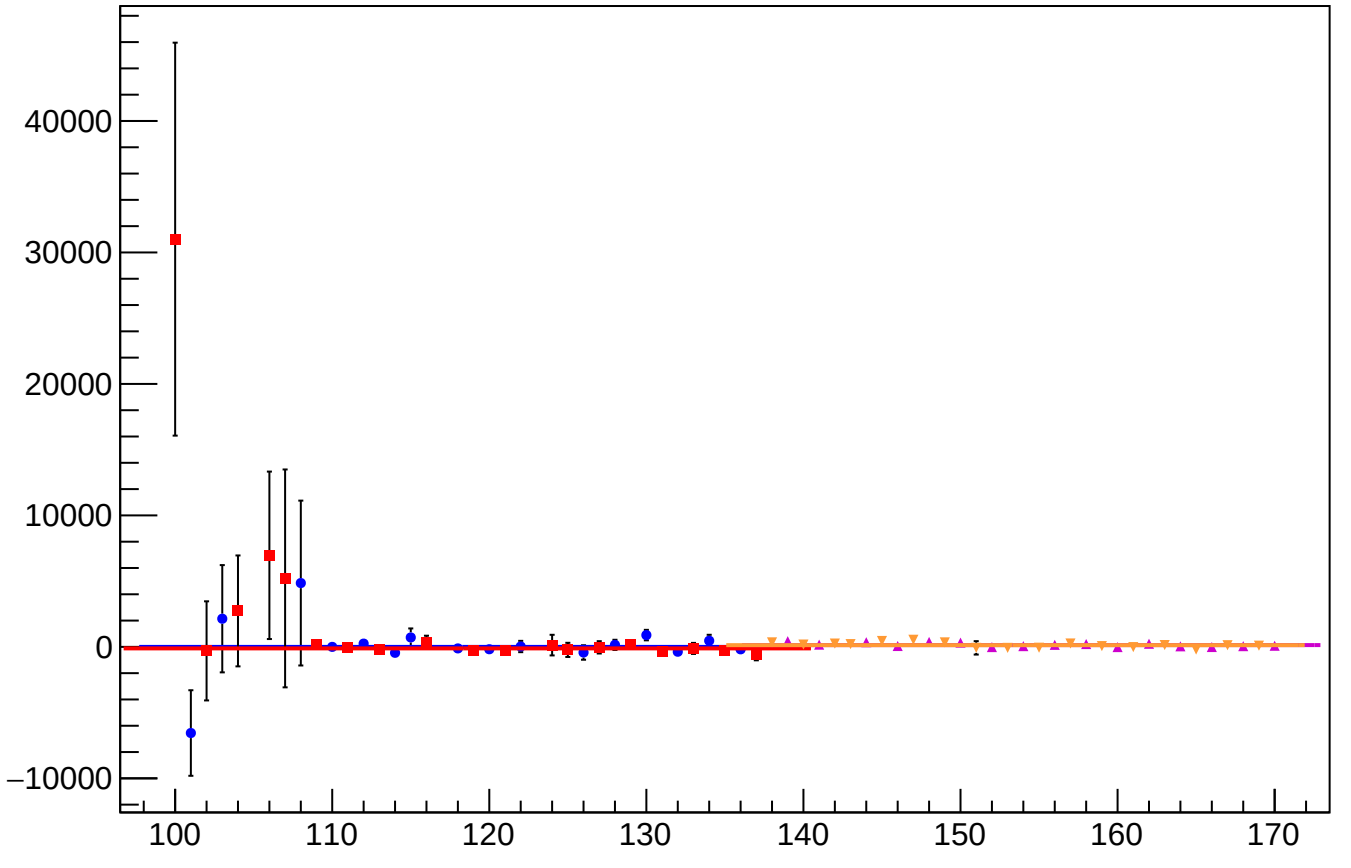
Left: 28.935+/-0.004 χ^2/NDF: 198385.2/32

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.555+/-0.005 χ^2/NDF:3388795.3/31

Out: 28.602+/-0.005 χ^2/NDF:3659974.9/35

All: 28.579+/-0.003 χ^2/NDF: 7048820.9/67



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 130.522+/-62.688 χ^2/NDF:7.8/16

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 135.475+/-53.887 χ^2/NDF:6.0/15

Left: 133.370+/-40.864 χ^2/NDF: 13.8/32

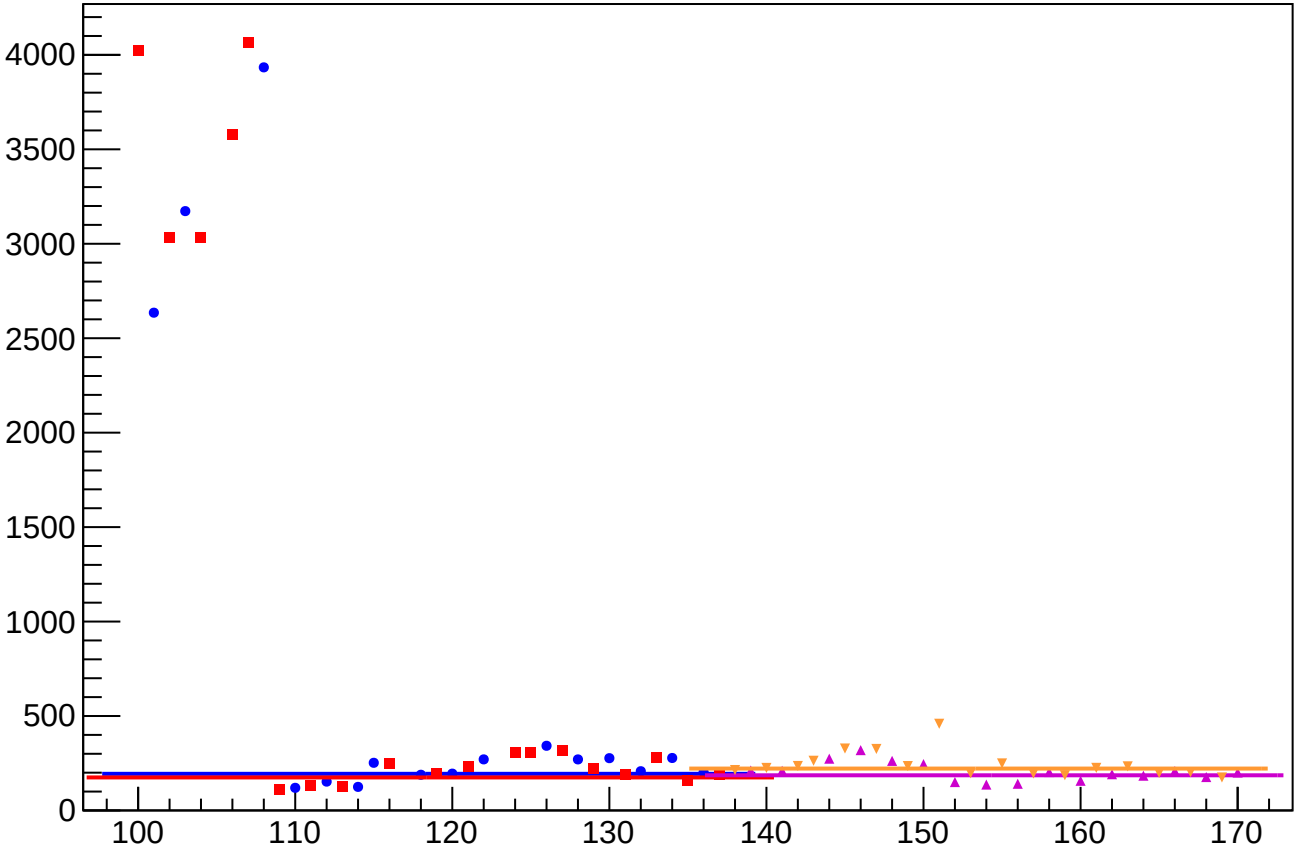
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 96.170+/-45.590 χ^2/NDF:26.1/31

Out: 35.296+/-49.094 χ^2/NDF:27.5/35

All: 67.984+/-33.407 χ^2/NDF: 54.5/67

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: 221.755+/-0.044 χ^2/NDF:1098966.2/16

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.161+/-0.038 χ^2/NDF:1301299.2/15

Left: 201.286+/-0.029 χ^2/NDF: 2771061.5/32

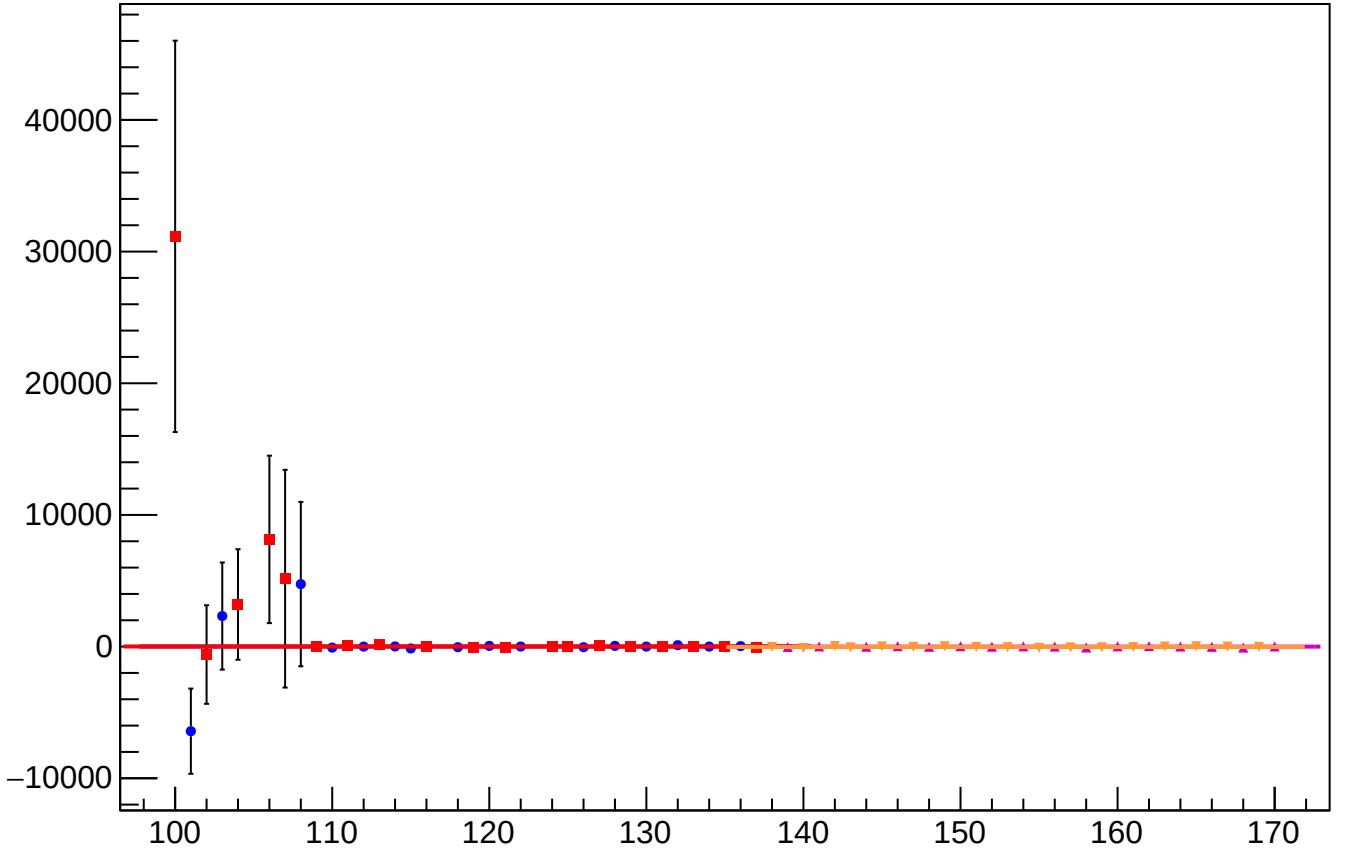
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.374+/-0.032 χ^2/NDF:5097632.6/31

Out: 203.591+/-0.035 χ^2/NDF:5792546.5/35

All: 195.420+/-0.024 χ^2/NDF: 10993356.1/67

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -29.116+/-9.418 χ^2/NDF:17.0/16

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.056+/-9.505 χ^2/NDF:11.9/15

Left: -15.710+/-6.690 χ^2/NDF: 33.0/32

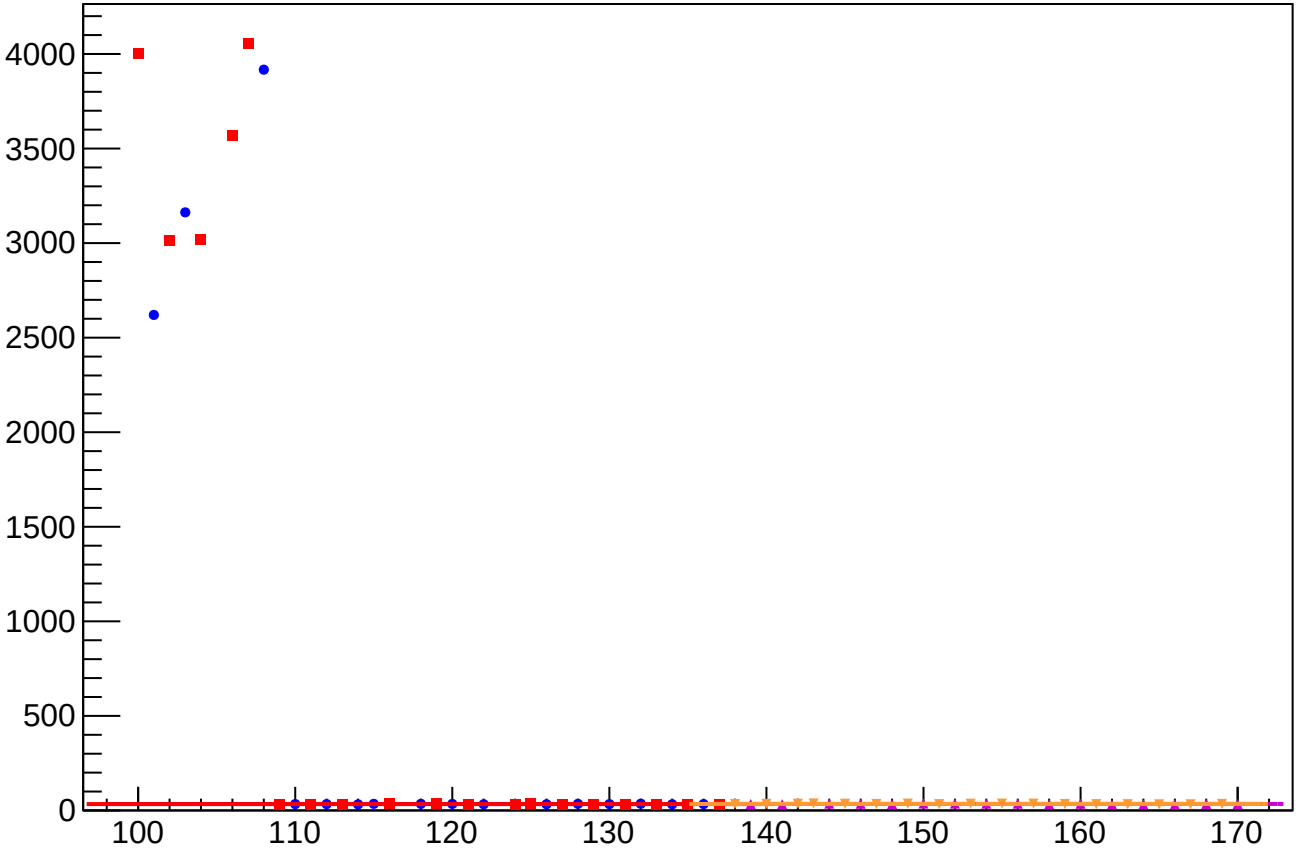
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 0.307+/-7.917 χ^2/NDF:29.5/31

Out: -17.433+/-7.887 χ^2/NDF:45.6/35

All: -8.596+/-5.587 χ^2/NDF: 77.6/67

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: 34.471+/-0.007 χ^2/NDF:36832.4/16

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.489+/-0.007 χ^2/NDF:48890.3/15

Left: 34.480+/-0.005 χ^2/NDF: 85726.7/32

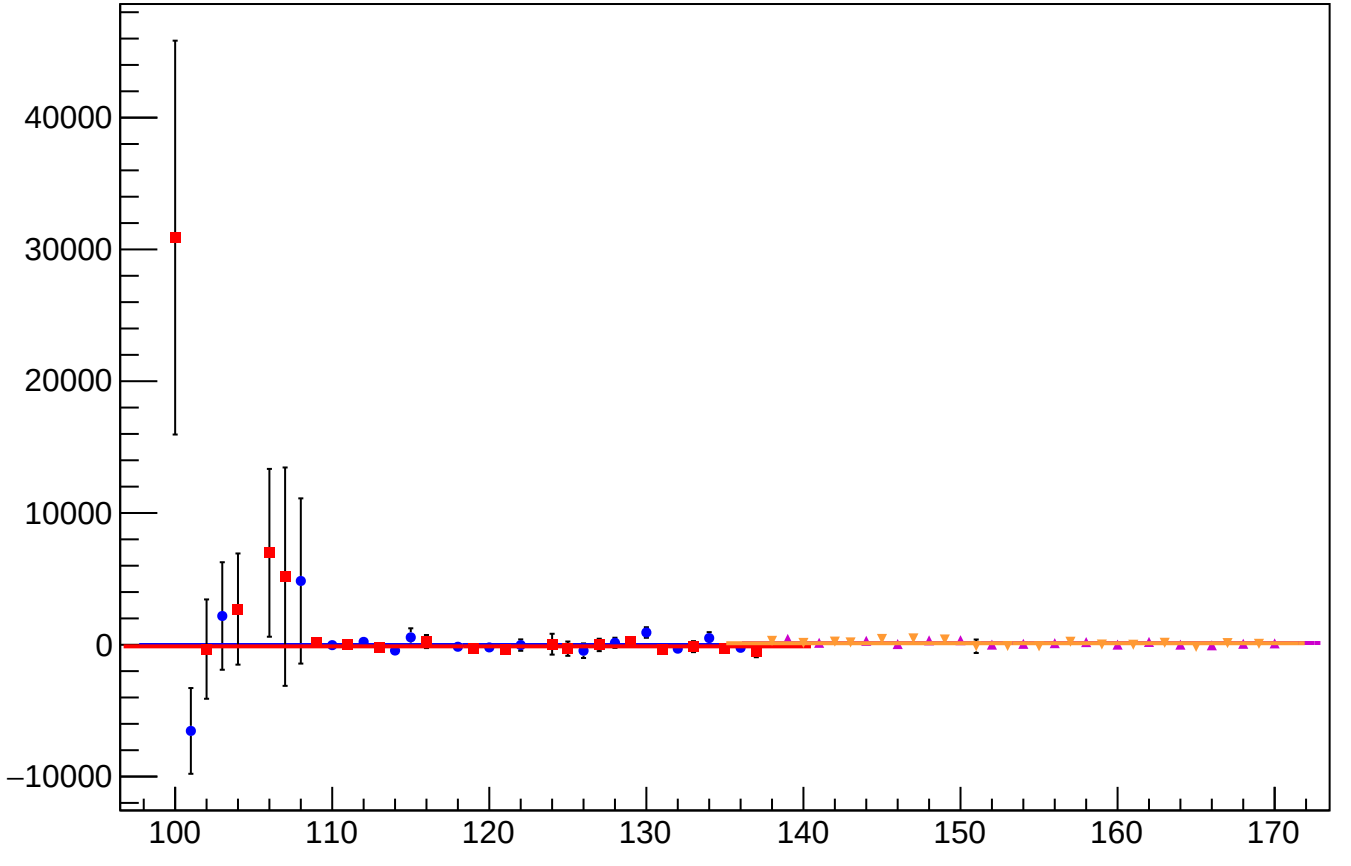
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.309+/-0.006 χ^2/NDF:3295632.6/31

Out: 34.248+/-0.006 χ^2/NDF:3567028.9/35

All: 34.278+/-0.004 χ^2/NDF: 6862720.1/67

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: 117.874+/-62.563 χ^2/NDF:7.5/16

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 134.537+/-53.744 χ^2/NDF:5.3/15

Left: 127.462+/-40.767 χ^2/NDF: 12.9/32

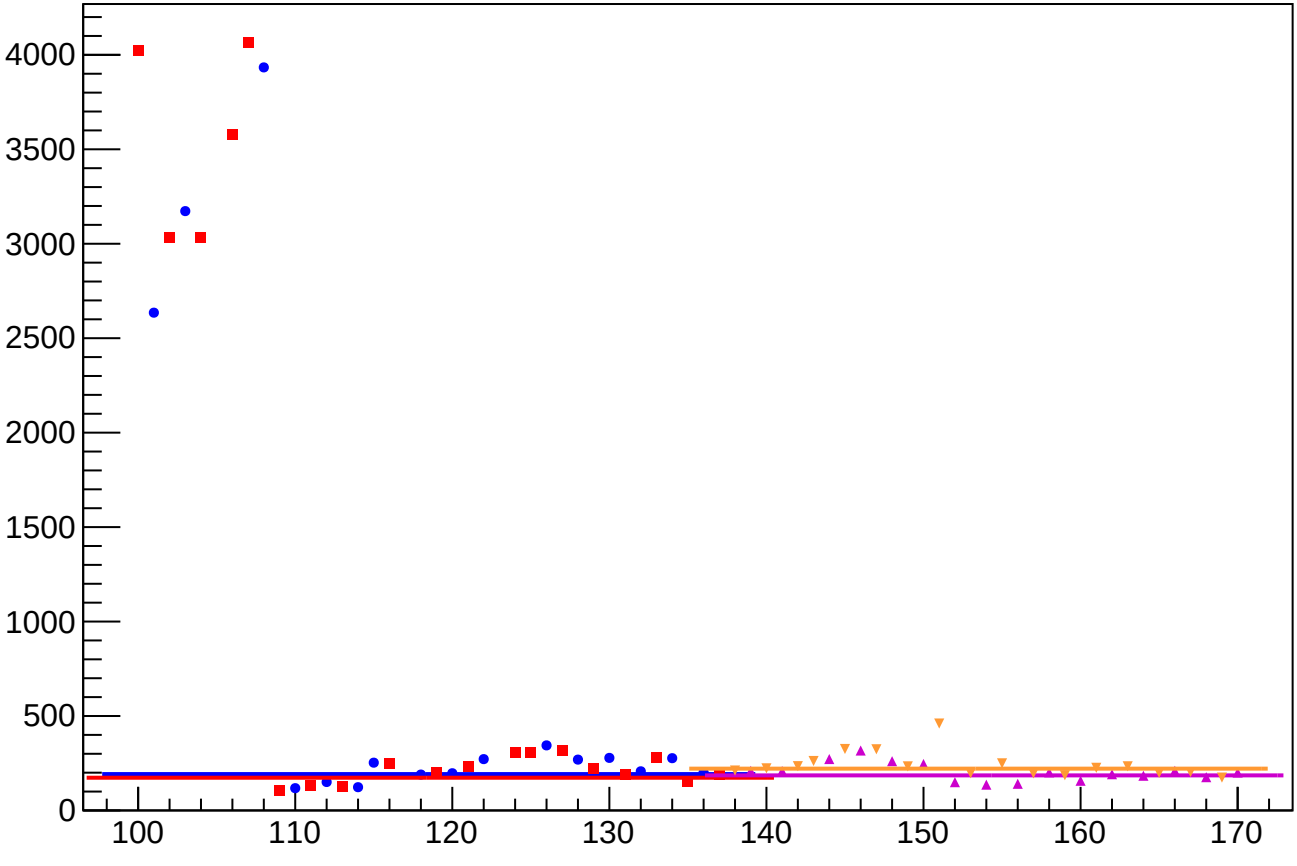
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.584+/-45.435 χ^2/NDF:25.9/31

Out: 25.438+/-48.915 χ^2/NDF:26.4/35

All: 60.410+/-33.290 χ^2/NDF: 53.3/67

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 221.321+/-0.044 χ^2/NDF:1092069.7/16

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.670+/-0.038 χ^2/NDF:1289504.6/15

Left: 200.808+/-0.029 χ^2/NDF: 2755274.0/32

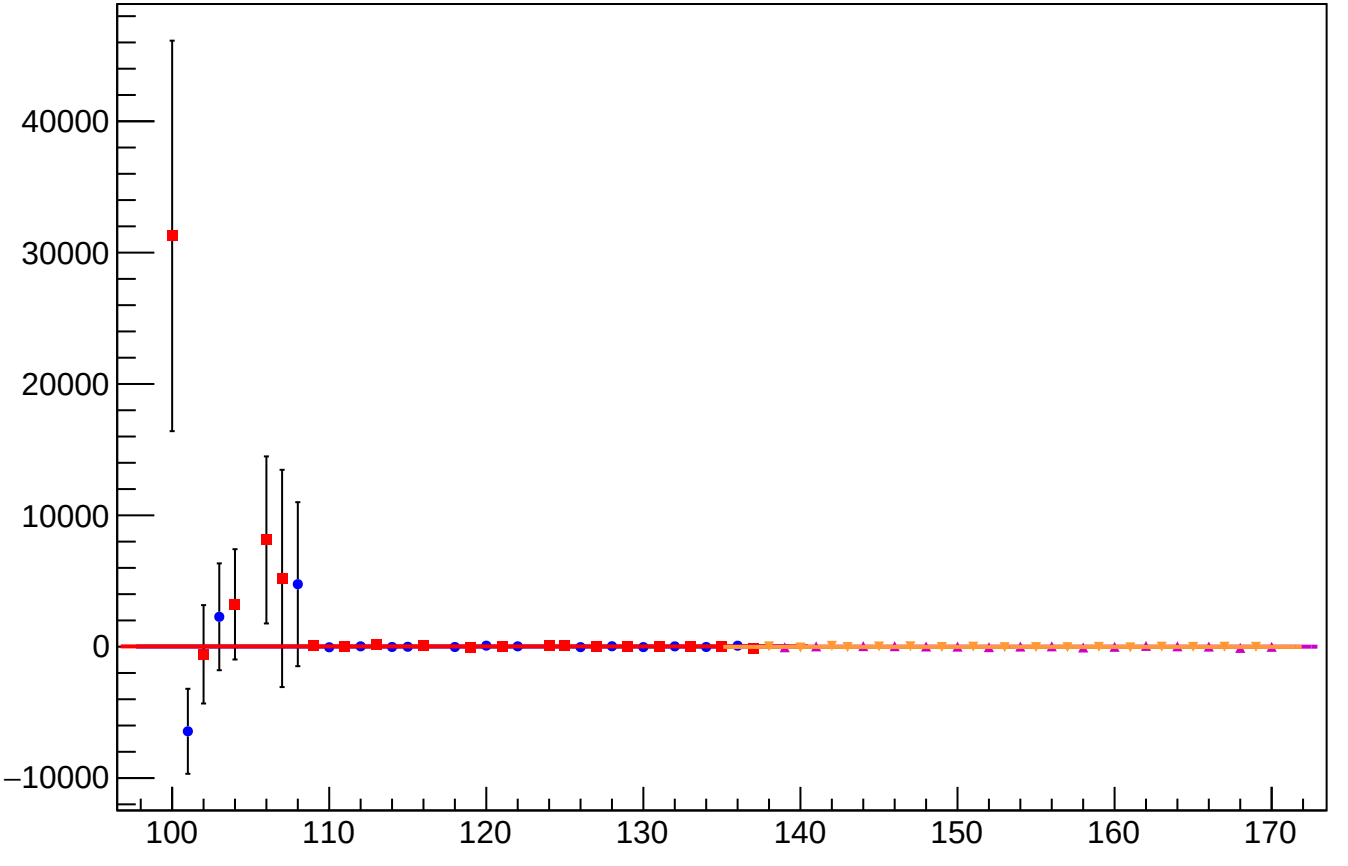
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.635+/-0.032 χ^2/NDF:5121673.0/31

Out: 202.635+/-0.035 χ^2/NDF:5858501.3/35

All: 194.583+/-0.024 χ^2/NDF: 11081130.6/67

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.927+/-8.549 χ^2/NDF:11.7/16

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 2.869+/-8.606 χ^2/NDF:22.5/15

Left: -6.088+/-6.065 χ^2/NDF: 36.4/32

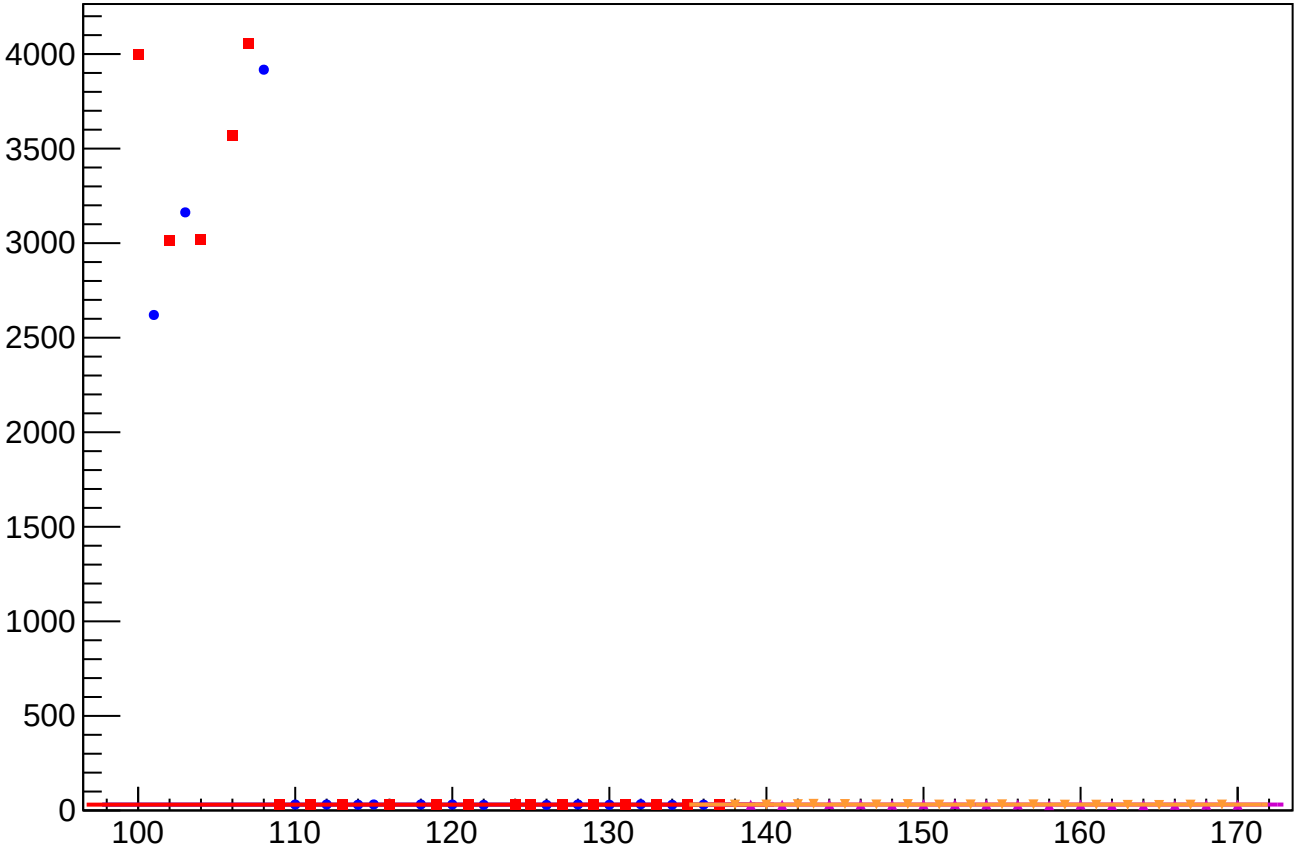
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 6.152+/-7.186 χ^2/NDF:38.5/31

Out: -3.629+/-7.172 χ^2/NDF:46.3/35

All: 1.252+/-5.077 χ^2/NDF: 85.7/67

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: 31.262+/-0.006 χ^2/NDF:58390.0/16

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.190+/-0.006 χ^2/NDF:77087.6/15

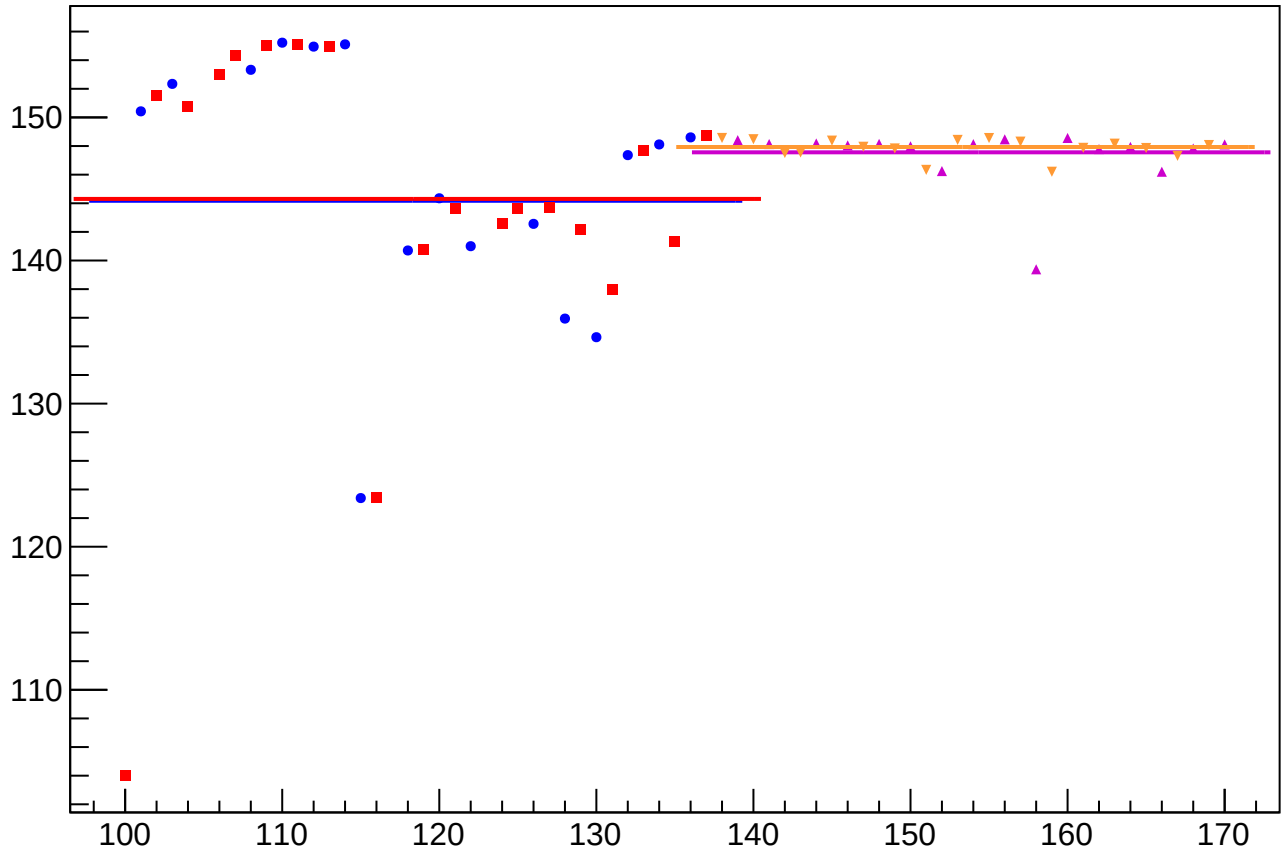
Left: 31.226+/-0.004 χ^2/NDF: 135548.5/32

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.110+/-0.005 χ^2/NDF:3330252.9/31

Out: 31.118+/-0.005 χ^2/NDF:3596529.1/35

All: 31.114+/-0.004 χ^2/NDF: 6926783.2/67



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.933+/-0.000 χ^2/NDF:33866453.0/16

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.560+/-0.000 χ^2/NDF:289347277.7/15

Left: 147.753+/-0.000 χ^2/NDF: 328476051.4/32

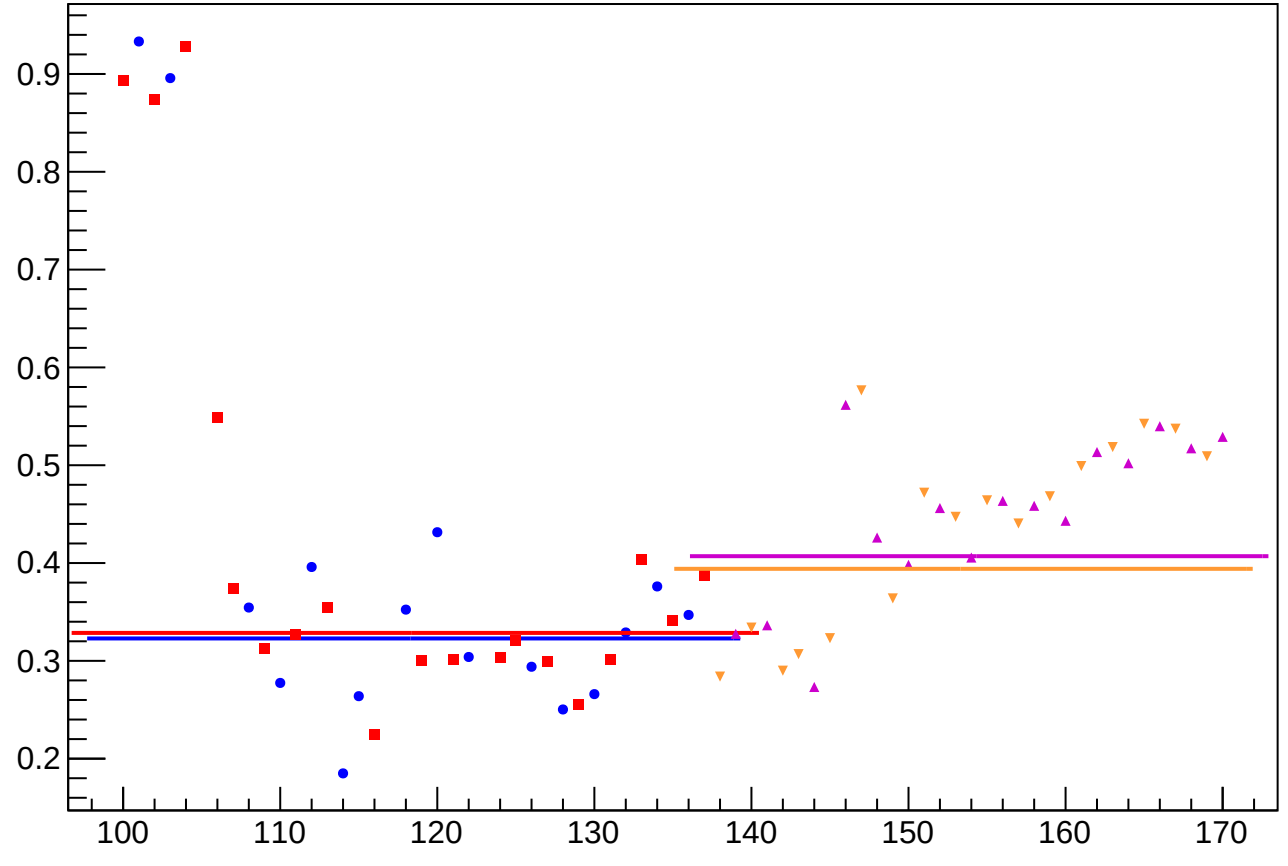
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.078+/-0.000 χ^2/NDF:4381369801.8/31

Out: 146.417+/-0.000 χ^2/NDF:4731133849.9/35

All: 146.250+/-0.000 χ^2/NDF: 9120127228.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.394+/-0.000 χ^2/NDF:1360297.5/16

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.407+/-0.000 χ^2/NDF:1131519.1/15

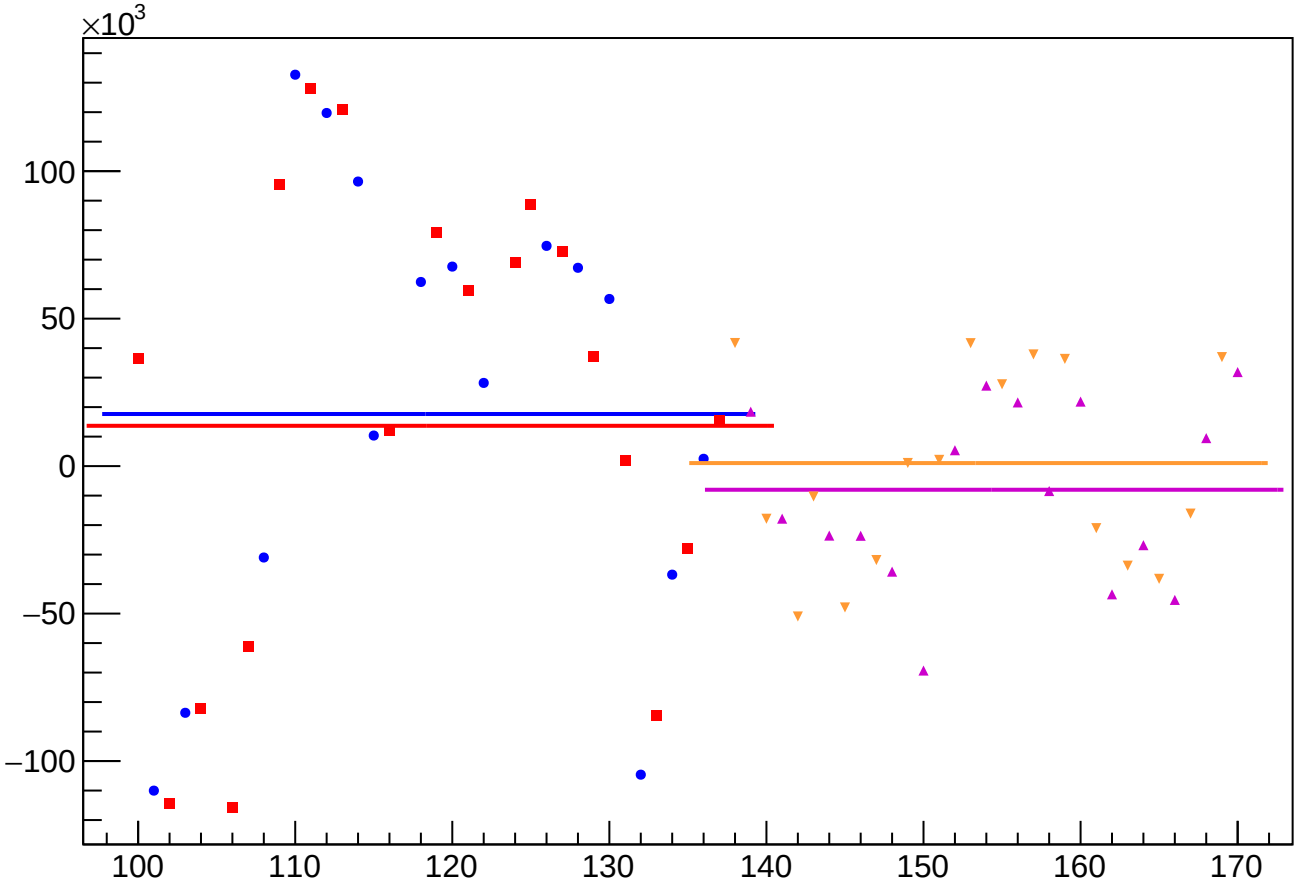
Left: 0.400+/-0.000 χ^2/NDF: 2504473.7/32

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.370+/-0.000 χ^2/NDF:2981368.0/31

Out: 0.367+/-0.000 χ^2/NDF:2946679.7/35

All: 0.368+/-0.000 χ^2/NDF: 5929621.8/67



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1028.164+/-1.331 χ^2/NDF:573876187.2/16

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -8014.975+/-1.344 χ^2/NDF:503410340.3/15

Left: -3449.521+/-0.946 χ^2/NDF: 1100145265.3/32

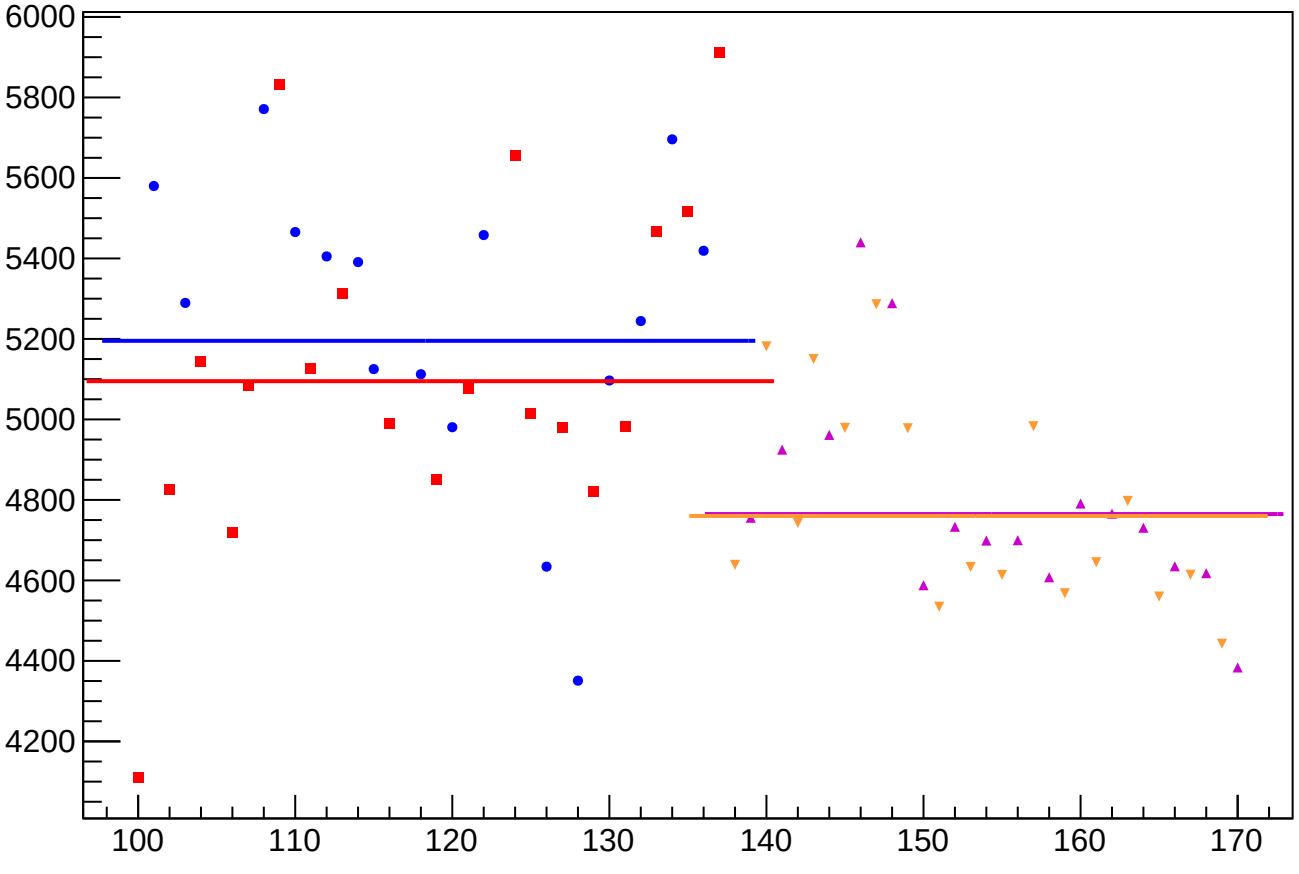
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -57.314+/-1.116 χ^2/NDF:2015287072.1/31

Out: 5115.904+/-1.095 χ^2/NDF:2460003012.2/35

All: 2580.044+/-0.782 χ^2/NDF: 4486236260.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4760.152+/-0.941 χ^2/NDF:66818.1/16

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4764.841+/-0.950 χ^2/NDF:64150.0/15

Left: 4762.474+/-0.669 χ^2/NDF: 130980.4/32

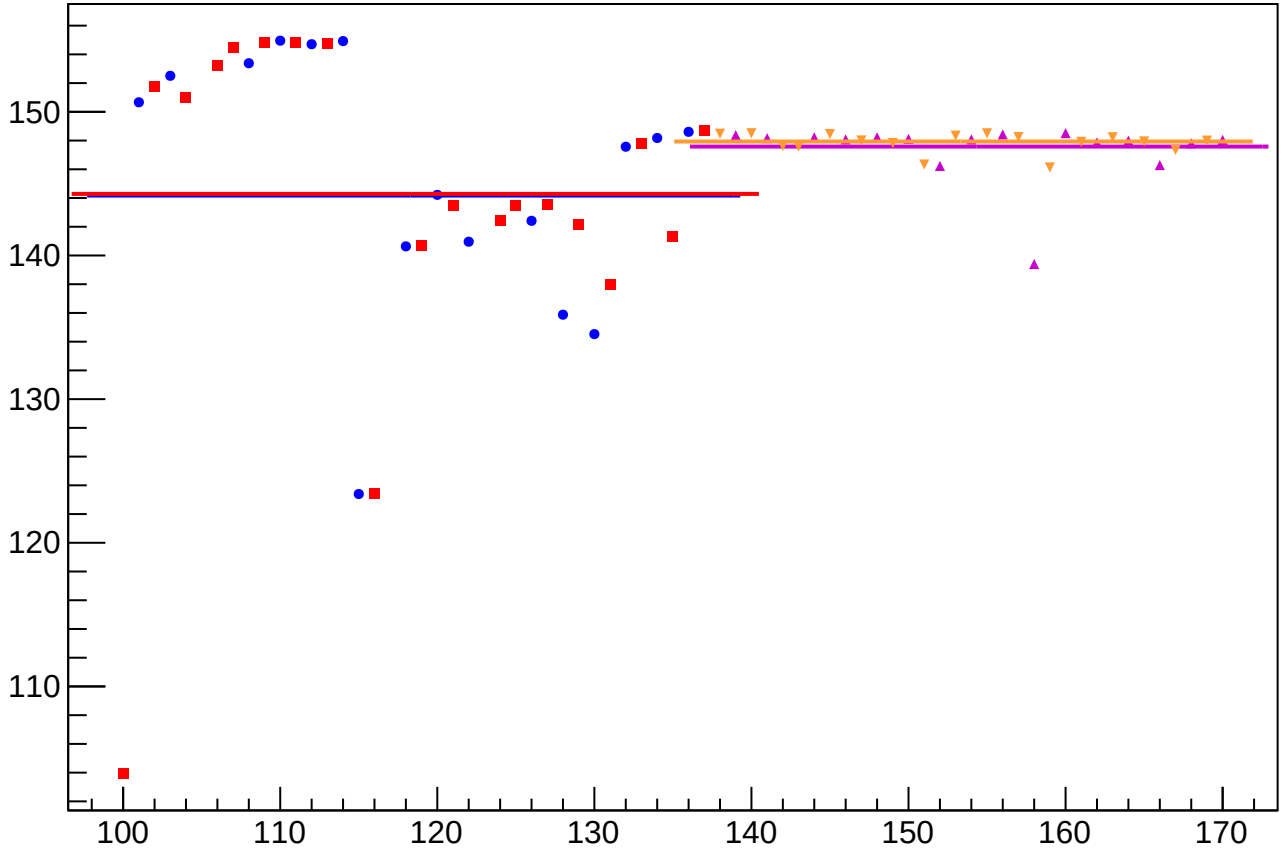
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4898.236+/-0.789 χ^2/NDF:204900.5/31

Out: 4868.472+/-0.774 χ^2/NDF:166887.2/35

All: 4883.062+/-0.553 χ^2/NDF: 372512.4/67

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.934+/-0.000 χ^2/NDF:33798006.0/16

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.581+/-0.000 χ^2/NDF:289896145.1/15

Left: 147.764+/-0.000 χ^2/NDF: 328473893.4/32

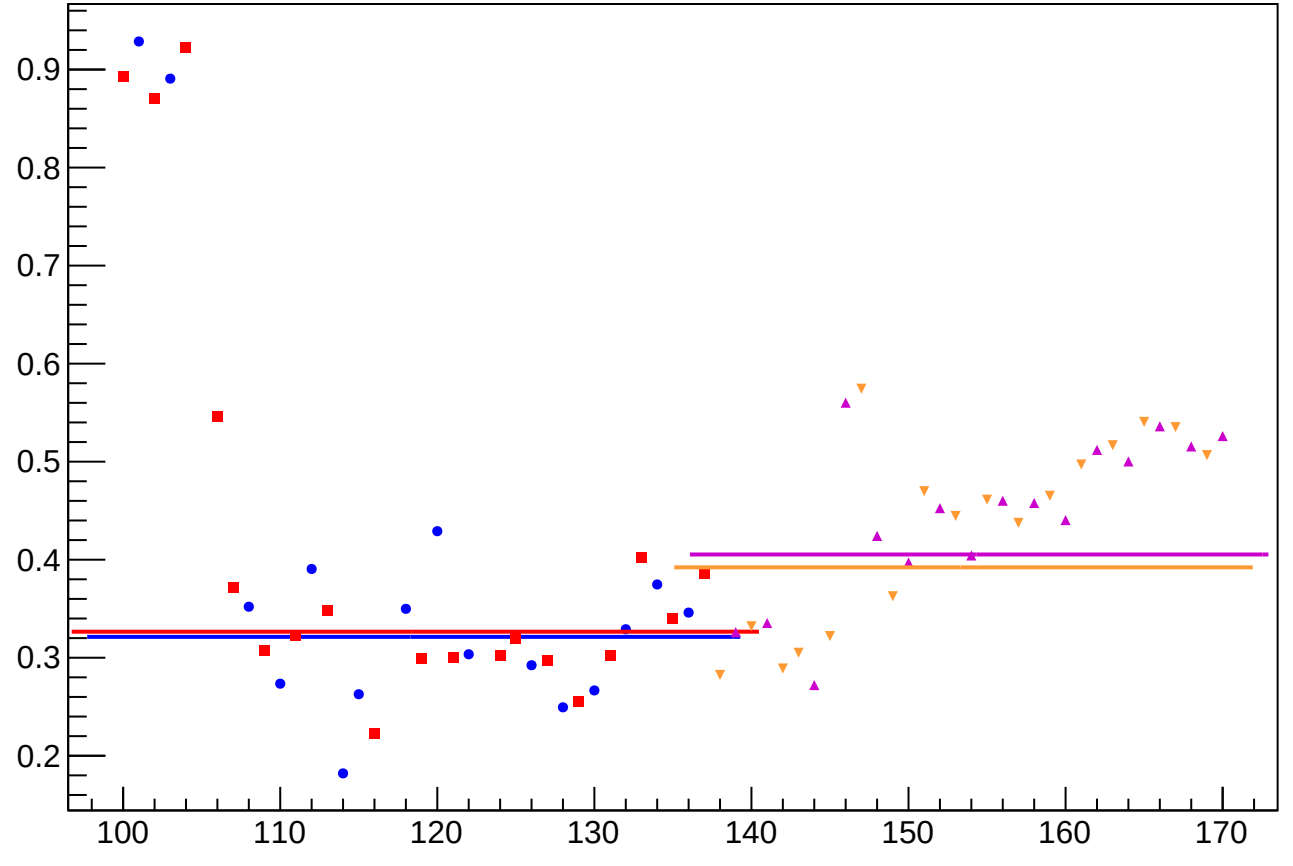
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.086+/-0.000 χ^2/NDF:4430894470.3/31

Out: 146.408+/-0.000 χ^2/NDF:4766250605.7/35

All: 146.250+/-0.000 χ^2/NDF: 9204095642.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.392+/-0.000 χ^2/NDF:1361094.0/16

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.405+/-0.000 χ^2/NDF:1128692.3/15

Left: 0.399+/-0.000 χ^2/NDF: 2502973.6/32

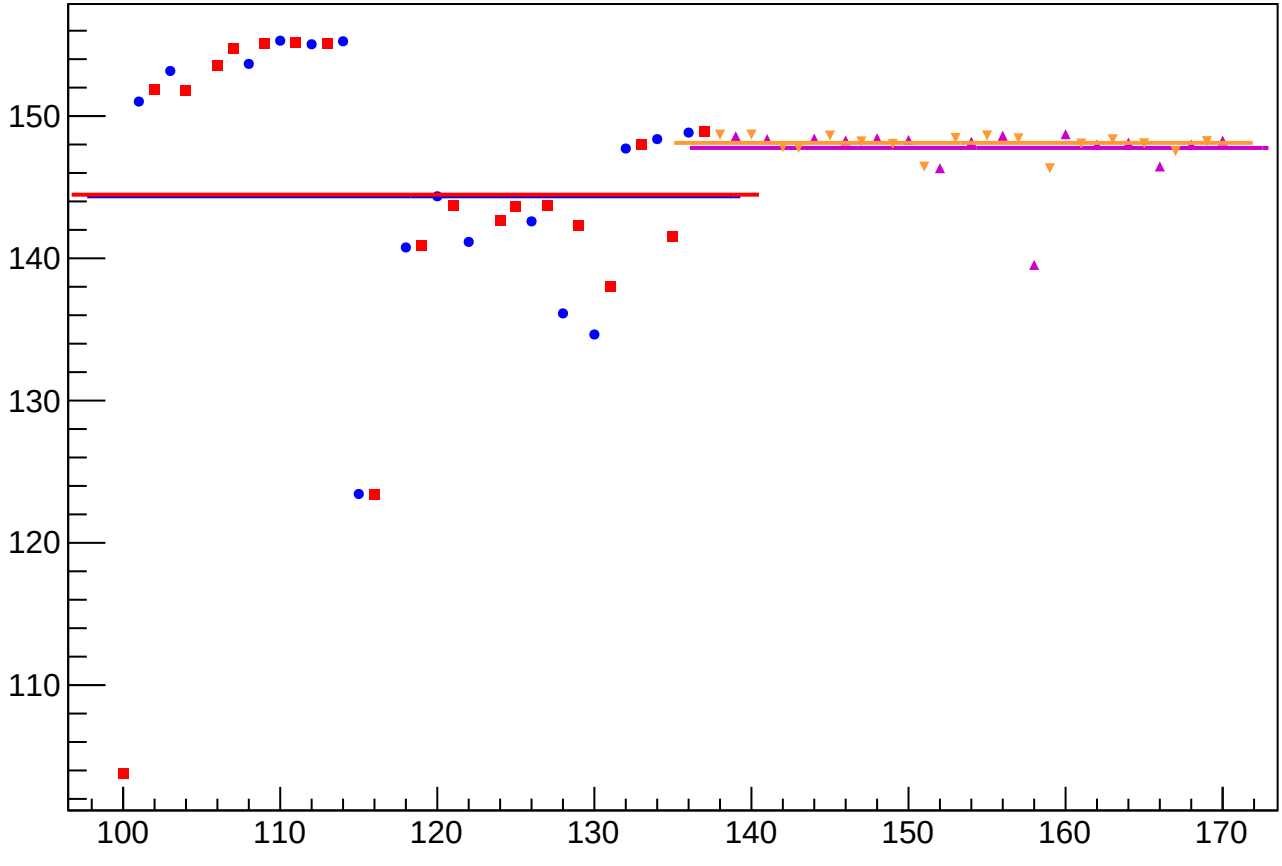
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.368+/-0.000 χ^2/NDF:2982011.3/31

Out: 0.365+/-0.000 χ^2/NDF:2950141.9/35

All: 0.367+/-0.000 χ^2/NDF: 5934028.3/67

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.115+/-0.000 χ^2/NDF:33776748.8/16

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.760+/-0.000 χ^2/NDF:294302931.9/15

Left: 147.944+/-0.000 χ^2/NDF: 332855130.5/32

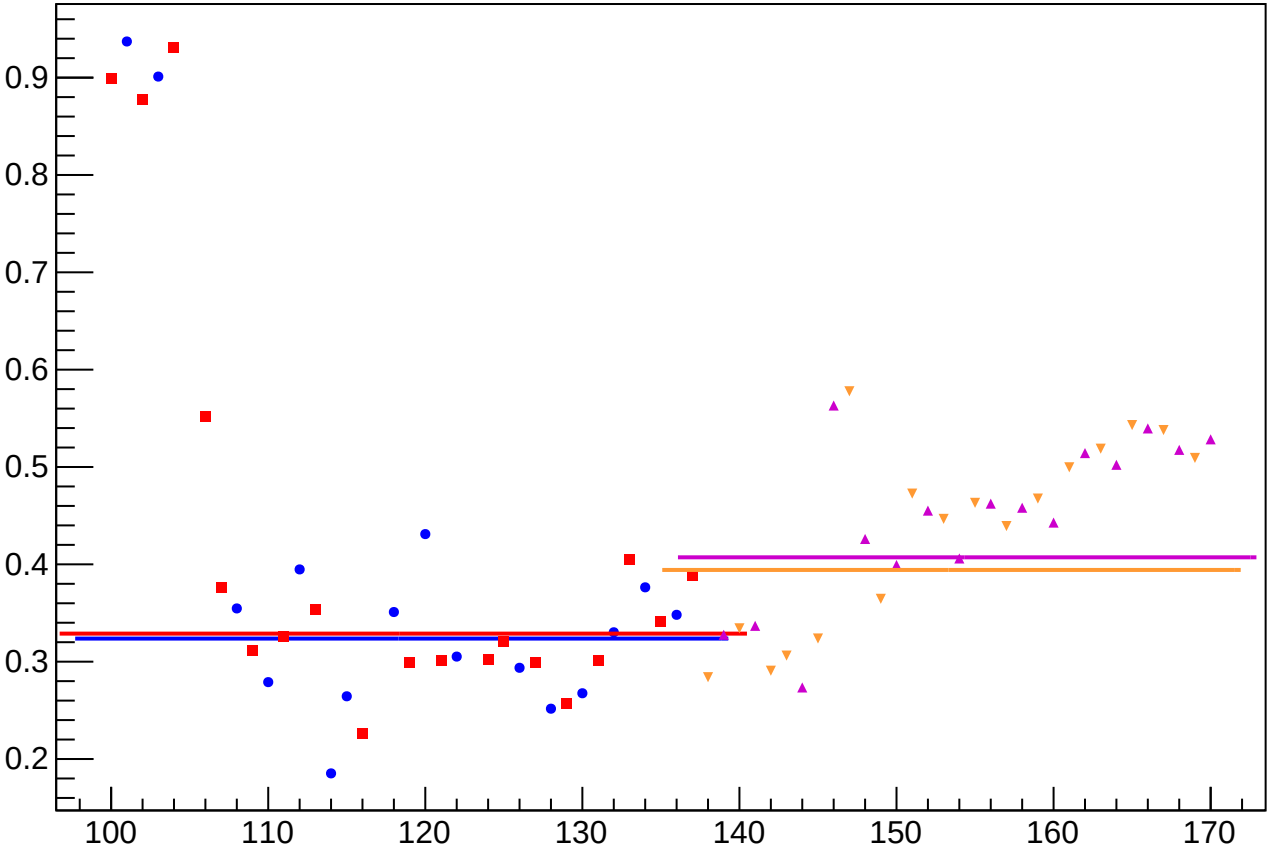
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.274+/-0.000 χ^2/NDF:4422382841.9/31

Out: 146.595+/-0.000 χ^2/NDF:4750836664.2/35

All: 146.437+/-0.000 χ^2/NDF: 9180044220.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.394+/-0.000 χ^2/NDF:1358880.3/16

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.407+/-0.000 χ^2/NDF:1127740.0/15

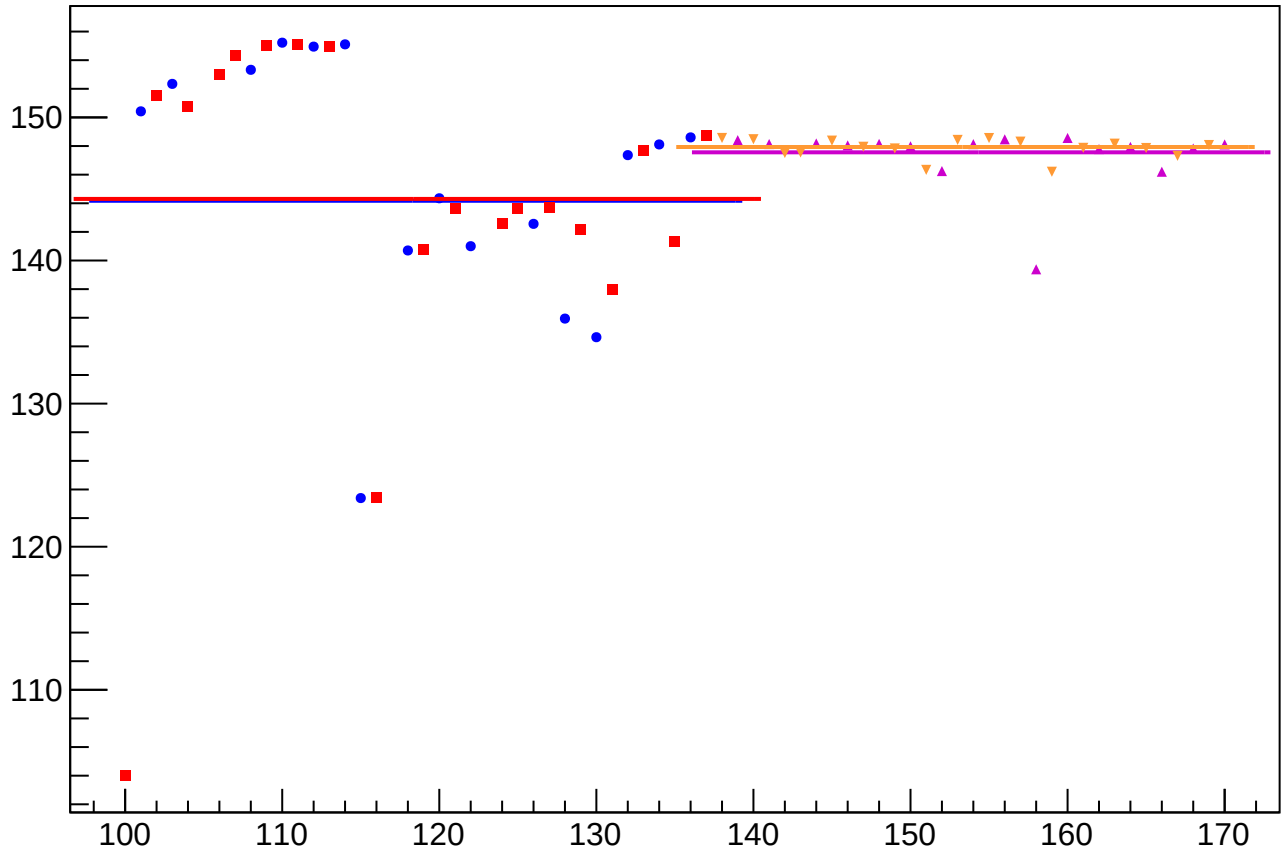
Left: 0.400+/-0.000 χ^2/NDF: 2499365.5/32

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

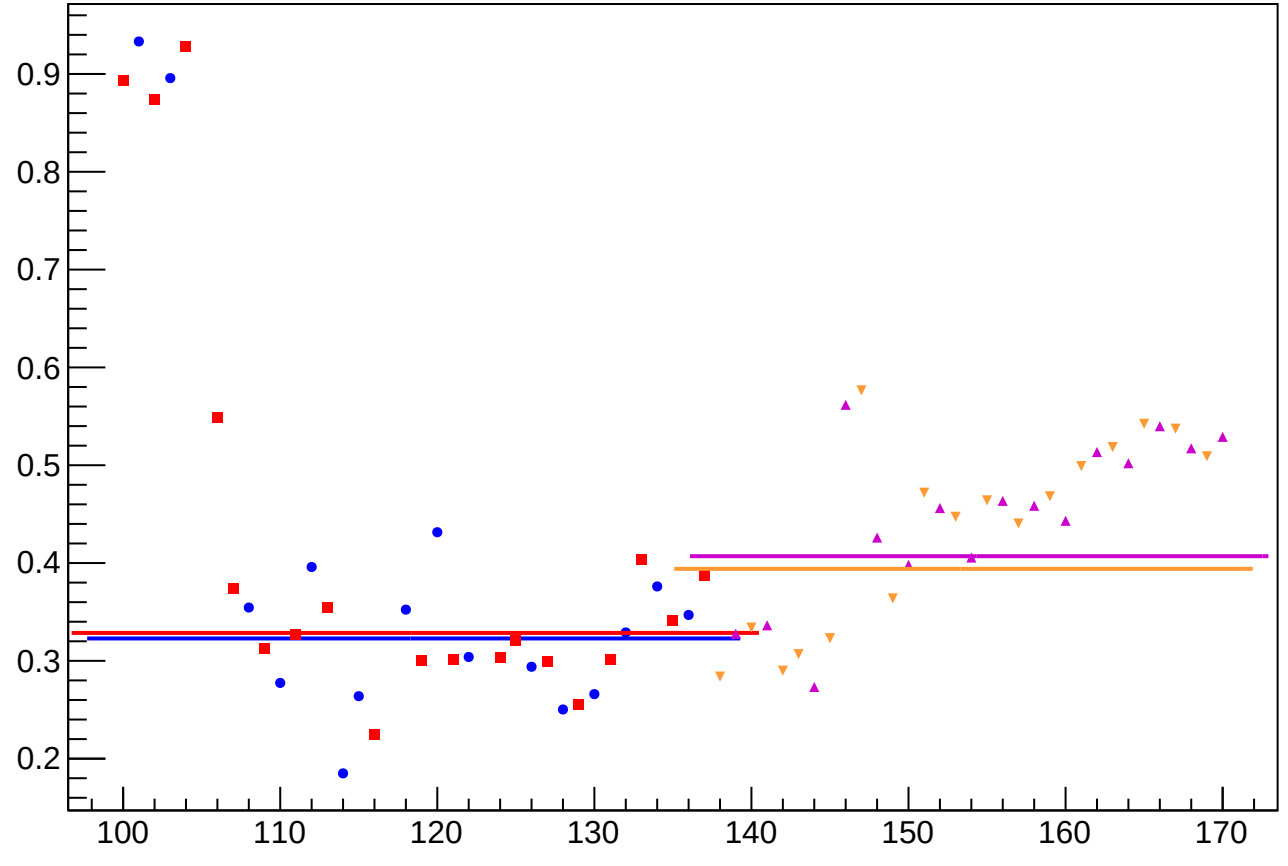
In: 0.371+/-0.000 χ^2/NDF:2965826.6/31

Out: 0.367+/-0.000 χ^2/NDF:2943027.7/35

All: 0.369+/-0.000 χ^2/NDF: 5910748.2/67


yield_bcm_an_us_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 147.933+/-0.000 χ²/NDF:33866453.0/16
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 147.560+/-0.000 χ²/NDF:289347277.7/15
Left: 147.753+/-0.000 χ²/NDF: 328476051.4/32
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 146.078+/-0.000 χ²/NDF:4381369801.8/31
Out: 146.417+/-0.000 χ²/NDF:4731133849.9/35
All: 146.250+/-0.000 χ²/NDF: 9120127228.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.394+/-0.000 χ^2/NDF:1360297.5/16

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.407+/-0.000 χ^2/NDF:1131519.1/15

Left: 0.400+/-0.000 χ^2/NDF: 2504473.7/32

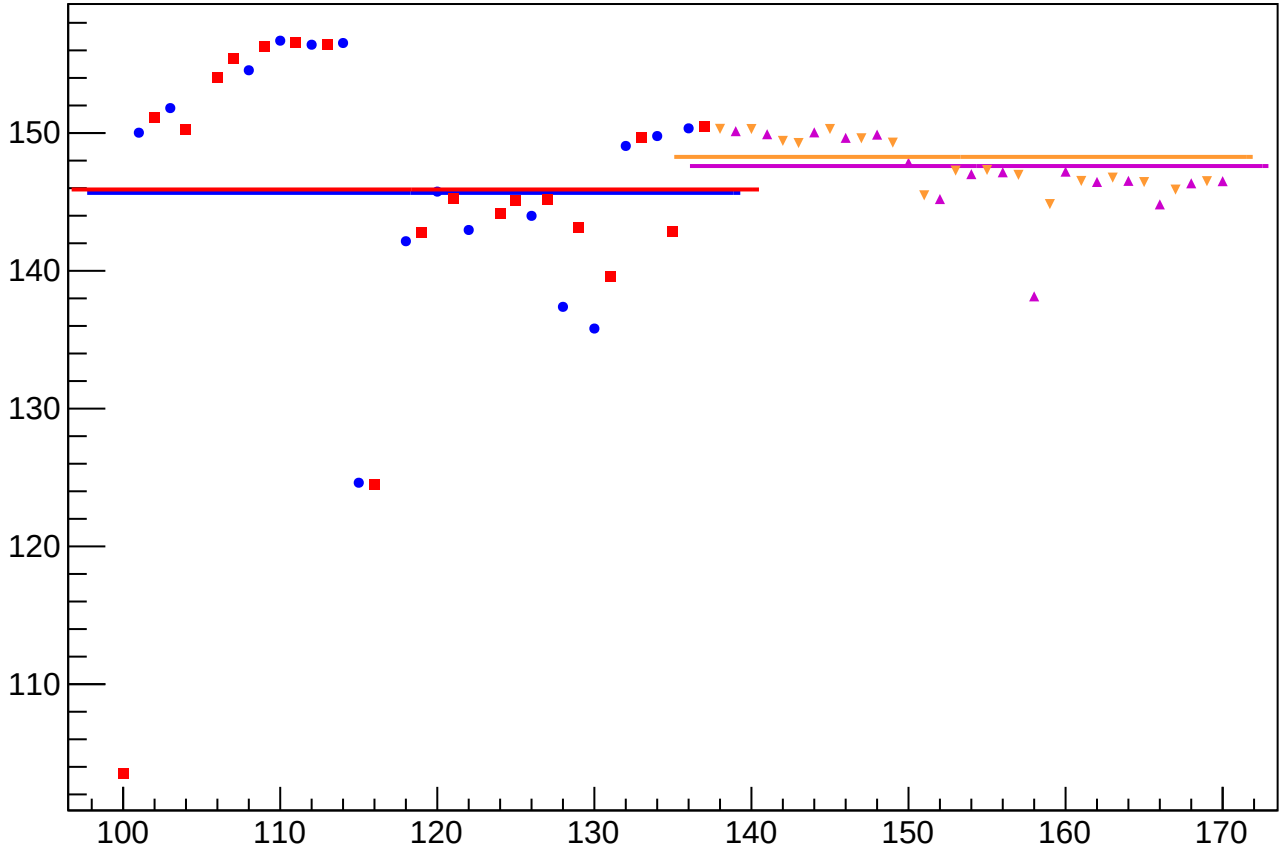
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.370+/-0.000 χ^2/NDF:2981368.0/31

Out: 0.367+/-0.000 χ^2/NDF:2946679.7/35

All: 0.368+/-0.000 χ^2/NDF: 5929621.8/67

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.270+/-0.000 χ^2/NDF:241048120.0/16

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.606+/-0.000 χ^2/NDF:555396900.4/15

Left: 147.947+/-0.000 χ^2/NDF: 812009429.4/32

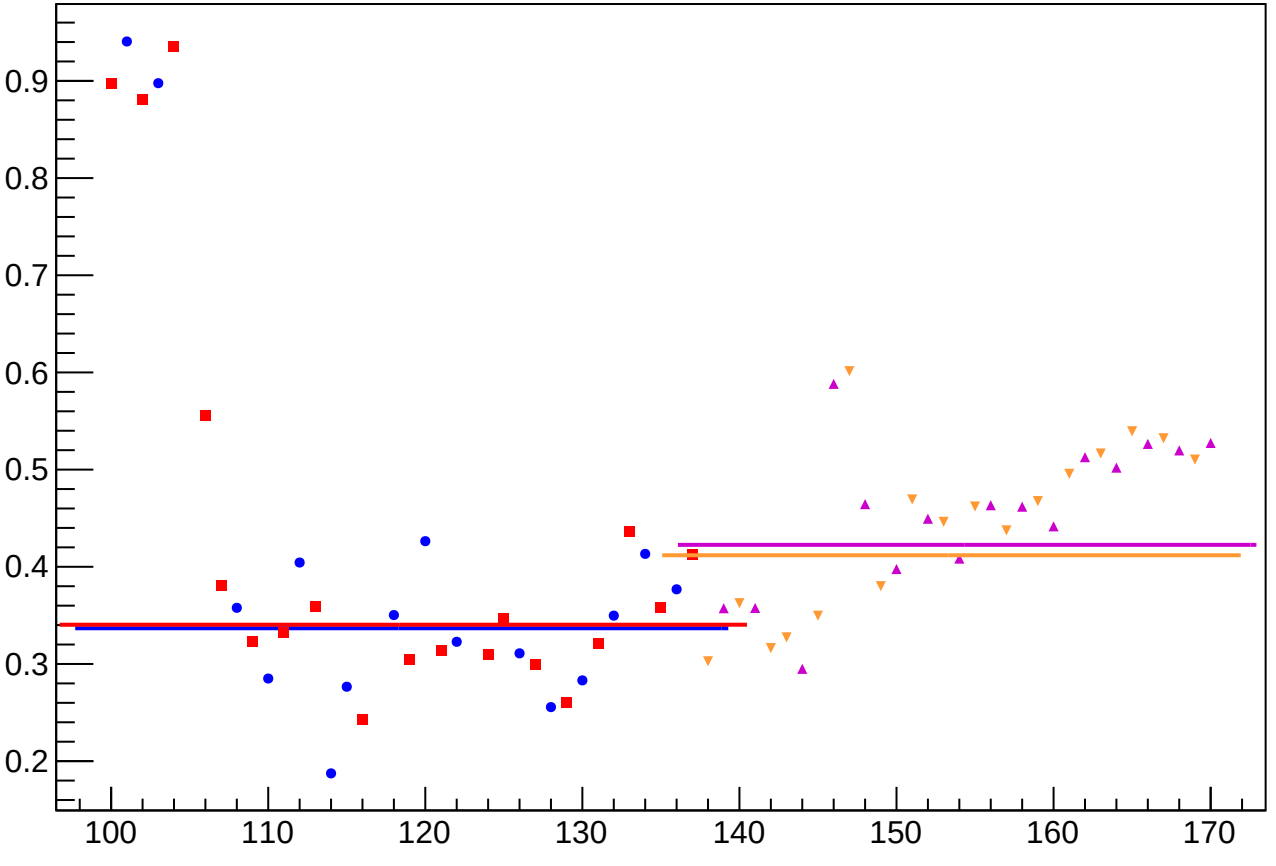
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.762+/-0.000 χ^2/NDF:4149817448.8/31

Out: 147.278+/-0.000 χ^2/NDF:4274819305.8/35

All: 147.024+/-0.000 χ^2/NDF: 8441039544.4

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1012663.6/16

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.423+/-0.000 χ^2/NDF:864121.9/15

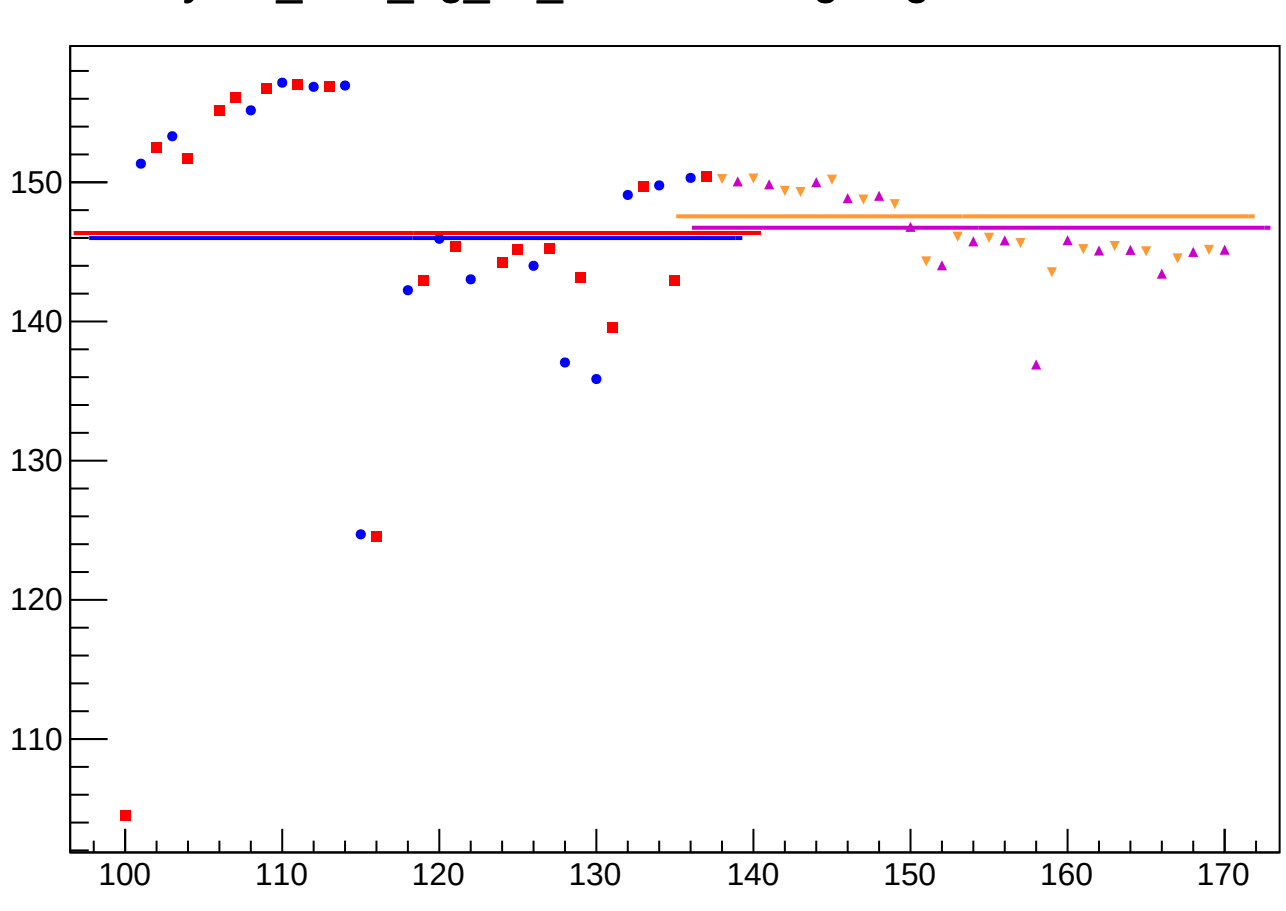
Left: 0.417+/-0.000 χ^2/NDF: 1884881.7/32

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.385+/-0.000 χ^2/NDF:2672689.3/31

Out: 0.382+/-0.000 χ^2/NDF:2599439.4/35

All: 0.384+/-0.000 χ^2/NDF: 5273646.3/67



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.555+/-0.000 χ^2/NDF:407302637.2/16

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.735+/-0.000 χ^2/NDF:735710303.0/15

Left: 147.157+/-0.000 χ^2/NDF: 1166735626.6/32

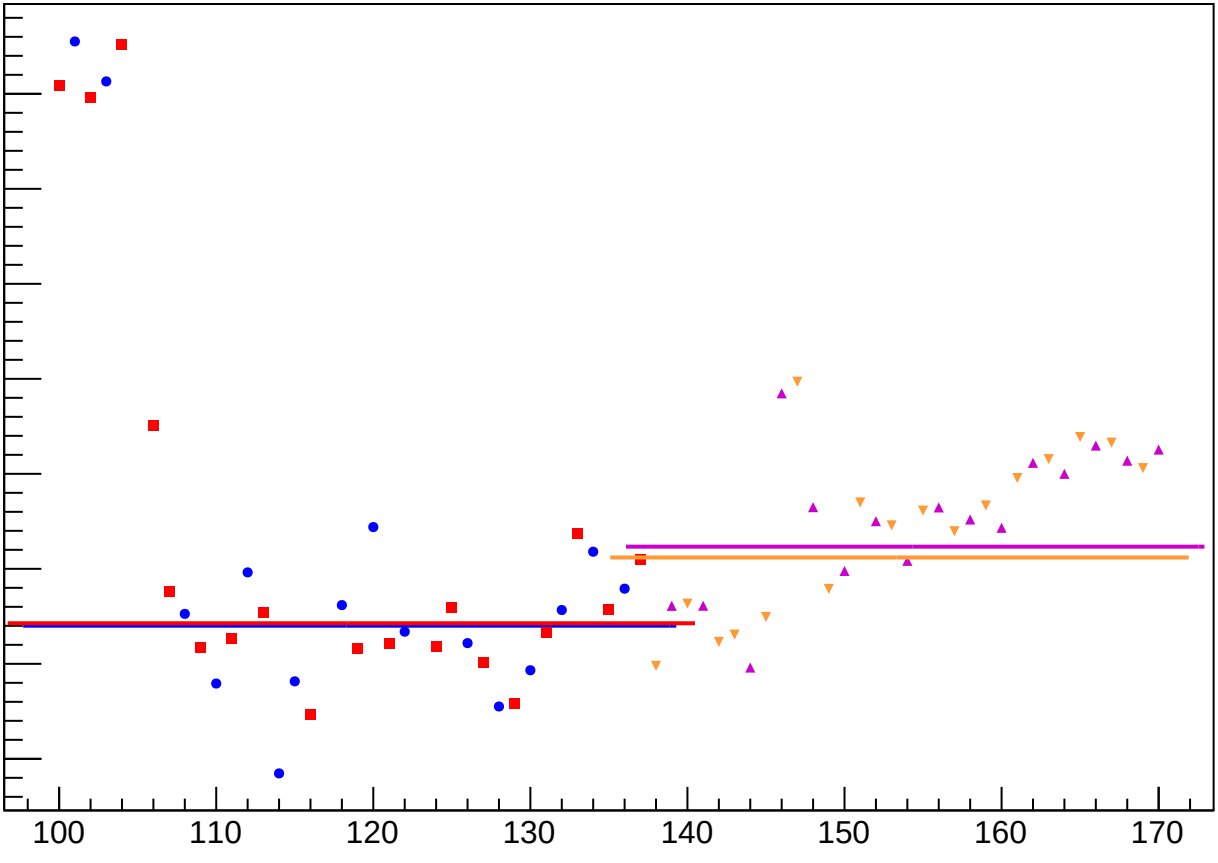
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.417+/-0.000 χ^2/NDF:4373464403.4/31

Out: 147.057+/-0.000 χ^2/NDF:4413697770.8/35

All: 146.743+/-0.000 χ^2/NDF: 8812187354.7

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.412+/-0.000 χ^2/NDF:1001818.2/16

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.423+/-0.000 χ^2/NDF:825185.6/15

Left: 0.417+/-0.000 χ^2/NDF: 1836133.7/32

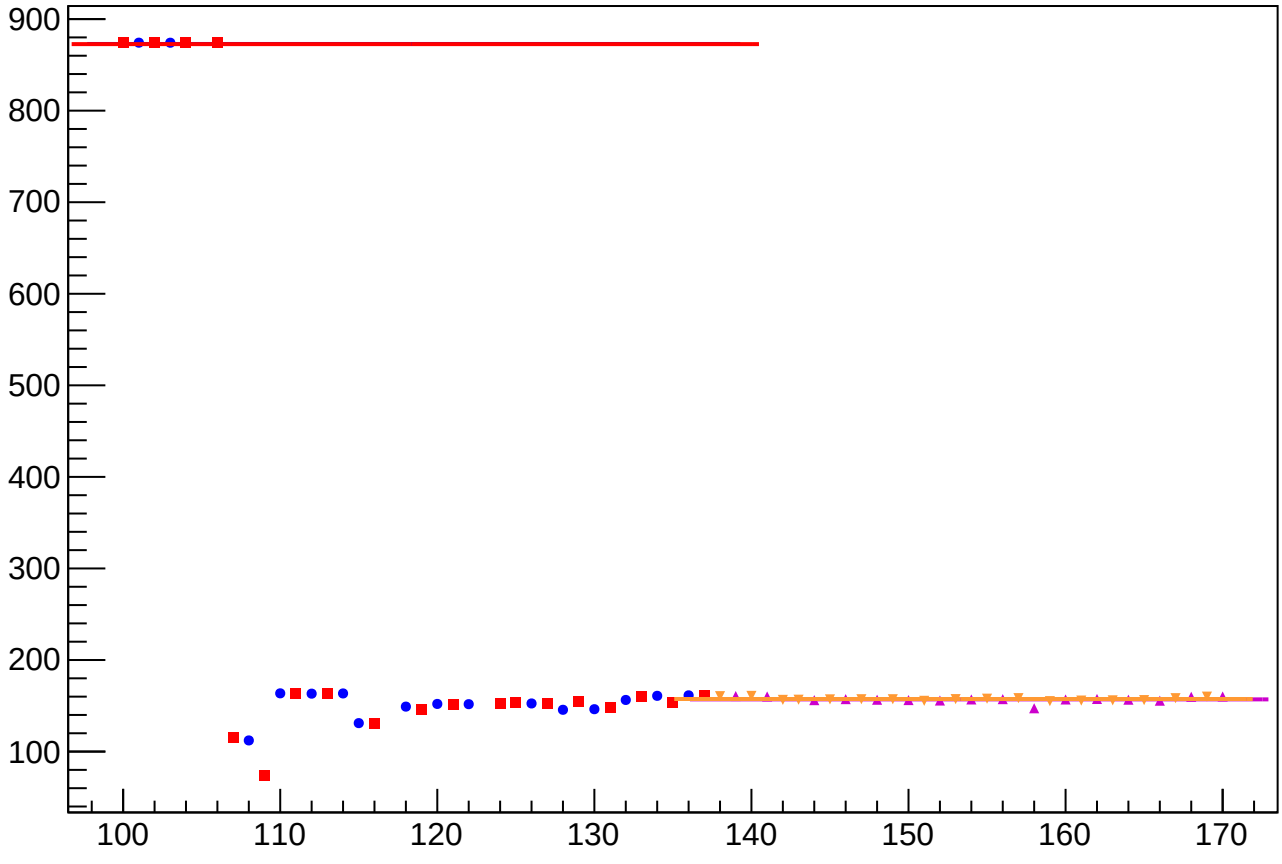
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.388+/-0.000 χ^2/NDF:2623878.4/31

Out: 0.383+/-0.000 χ^2/NDF:2562429.9/35

All: 0.385+/-0.000 χ^2/NDF: 5188837.9/67

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.422+/-0.000 χ^2/NDF:77861431.0/16

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.006+/-0.000 χ^2/NDF:197713974.4/15

Left: 157.217+/-0.000 χ^2/NDF: 277637652.7/32

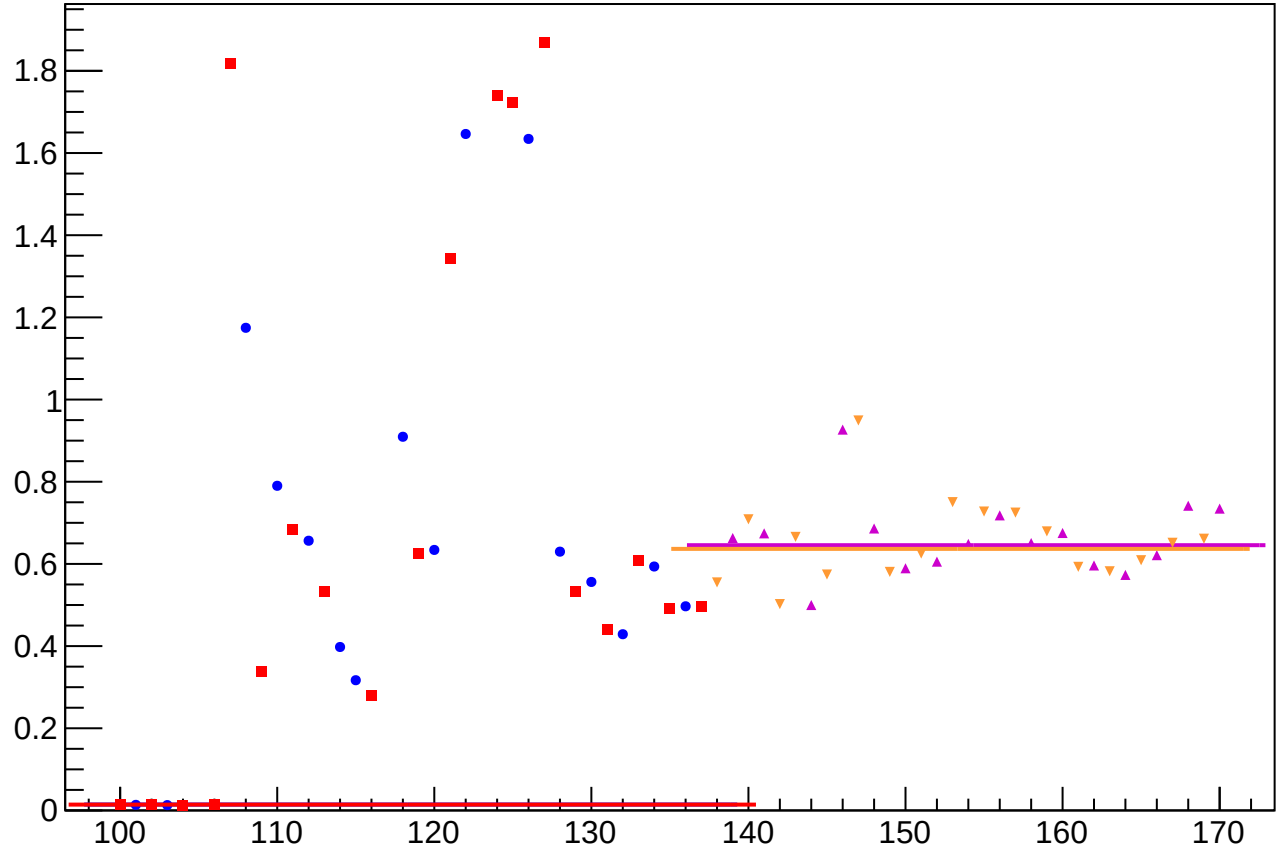
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.472+/-0.000 χ^2/NDF:19175806946737.1/3

Out: 870.568+/-0.000 χ^2/NDF:21539782261951.4

All: 870.524+/-0.000 χ^2/NDF: 40715624846

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.637+/-0.000 χ^2/NDF:304984.1/16

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.646+/-0.000 χ^2/NDF:301599.9/15

Left: 0.641+/-0.000 χ^2/NDF: 608505.7/32

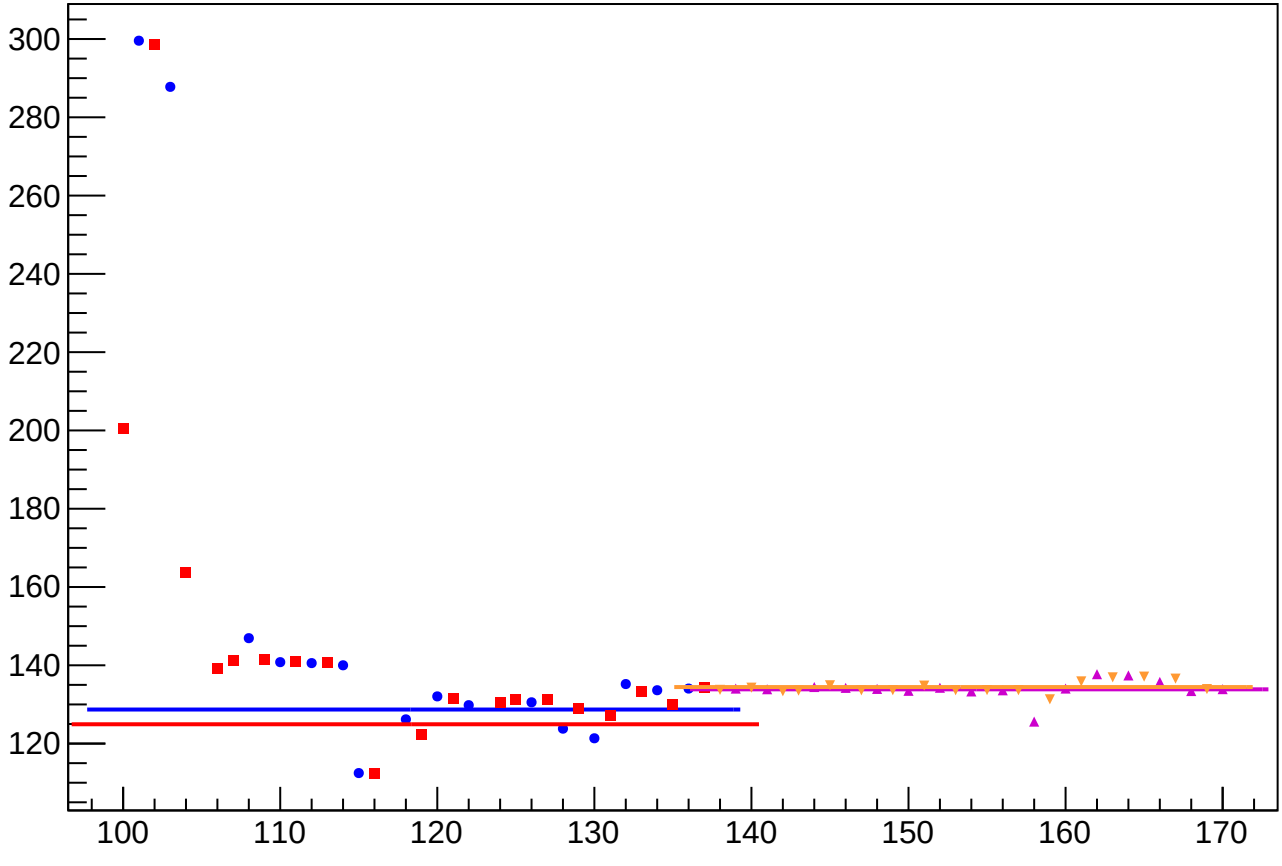
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:28560270.5/31

Out: 0.016+/-0.000 χ^2/NDF:28449930.6/35

All: 0.016+/-0.000 χ^2/NDF: 57011303.2/67

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.440+/-0.000 χ^2/NDF:116386904.2/16

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.859+/-0.000 χ^2/NDF:367723403.5/15

Left: 134.165+/-0.000 χ^2/NDF: 492445539.2/32

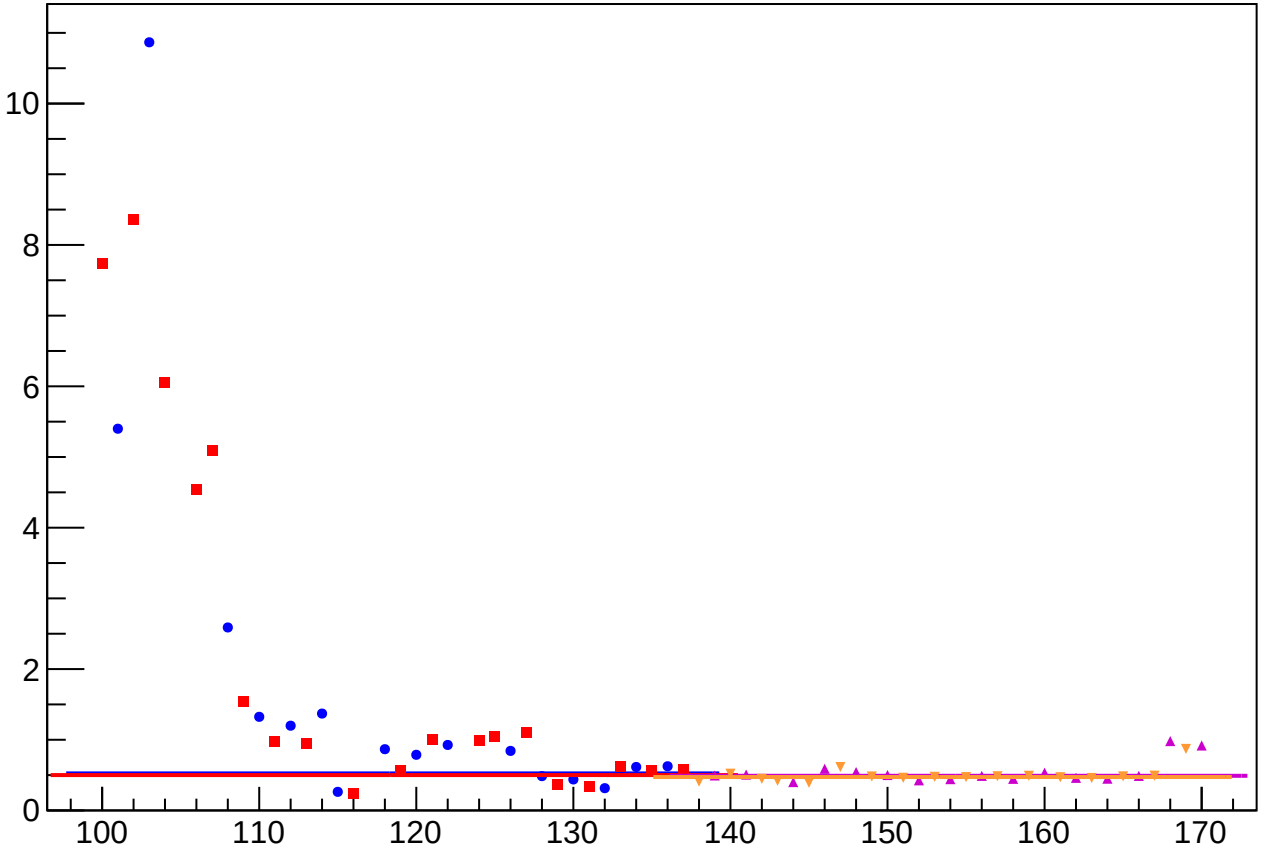
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.713+/-0.000 χ^2/NDF:2300517640.2/31

Out: 132.422+/-0.000 χ^2/NDF:2512717334.7/35

All: 132.561+/-0.000 χ^2/NDF: 4815901503.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.473+/-0.000 χ^2/NDF:484299.3/16

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.490+/-0.000 χ^2/NDF:923591.6/15

Left: 0.481+/-0.000 χ^2/NDF: 1423062.9/32

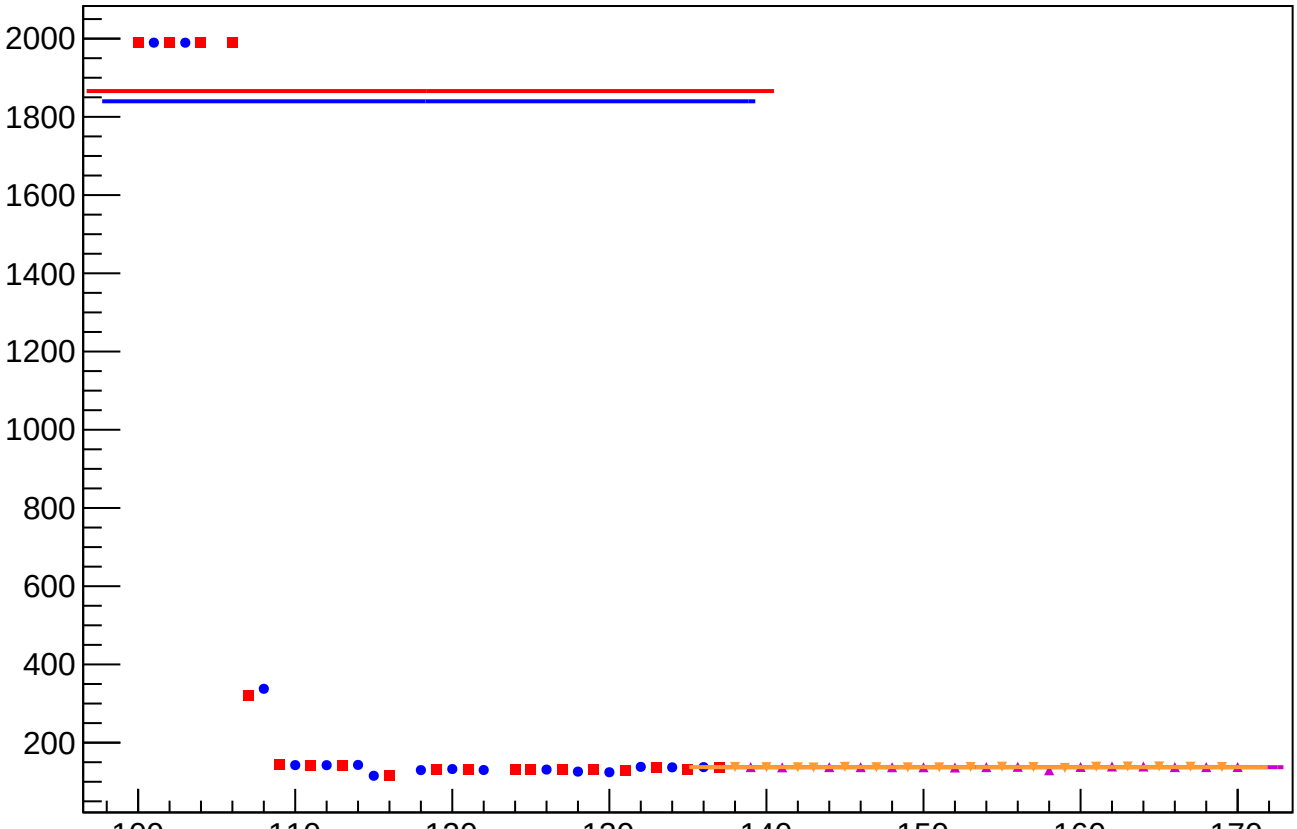
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.498+/-0.000 χ^2/NDF:5085571.0/31

Out: 0.479+/-0.000 χ^2/NDF:5385388.4/35

All: 0.488+/-0.000 χ^2/NDF: 10494040.0/67

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.476+/-0.000 χ^2/NDF:58375309.9/16

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.228+/-0.000 χ^2/NDF:227762351.5/15

Left: 137.357+/-0.000 χ^2/NDF: 288342203.7/32

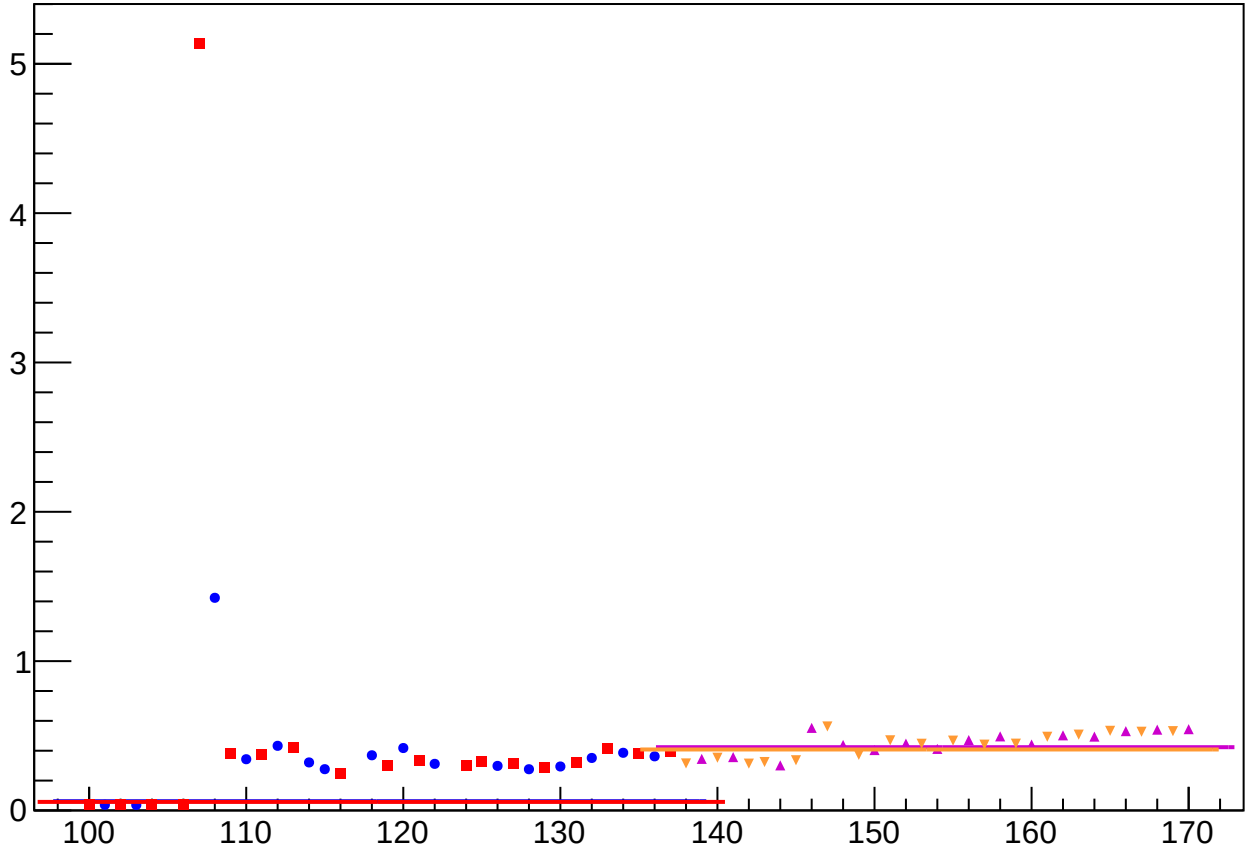
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1656.921+/-0.000 χ^2/NDF:323475916220118.

Out: 1691.611+/-0.000 χ^2/NDF:343463416100754

All: 1675.545+/-0.000 χ^2/NDF: 667352112

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.408+/-0.000 χ^2/NDF:984655.4/16

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.424+/-0.000 χ^2/NDF:853042.4/15

Left: 0.416+/-0.000 χ^2/NDF: 1854468.7/32

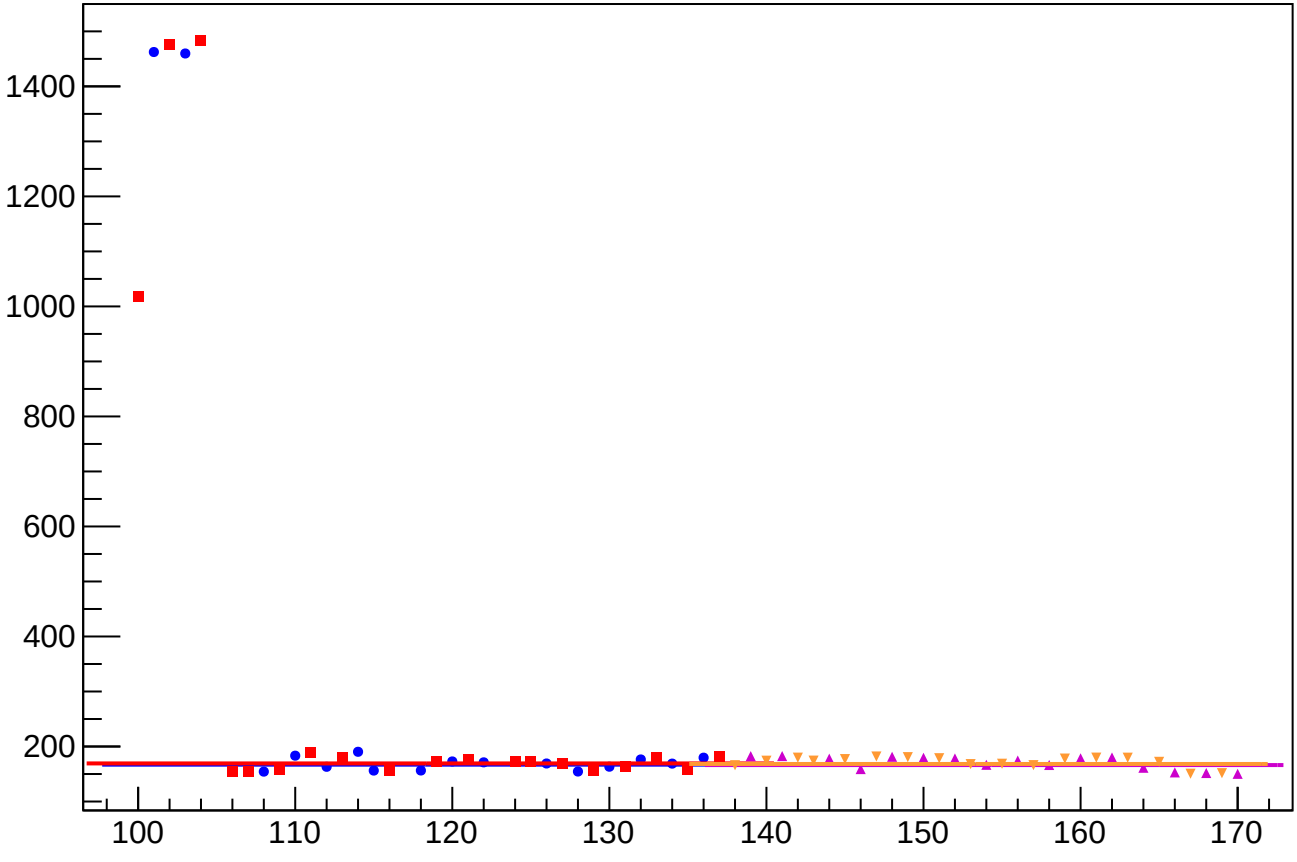
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.101+/-0.000 χ^2/NDF:25069487.7/31

Out: 0.093+/-0.000 χ^2/NDF:25282669.7/35

All: 0.096+/-0.000 χ^2/NDF: 50395415.0/67

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 168.250+/-0.000 χ^2/NDF:1747922411.0/16

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 166.259+/-0.000 χ^2/NDF:2208196684.7/15

Left: 167.242+/-0.000 χ^2/NDF: 3984486622.3/32

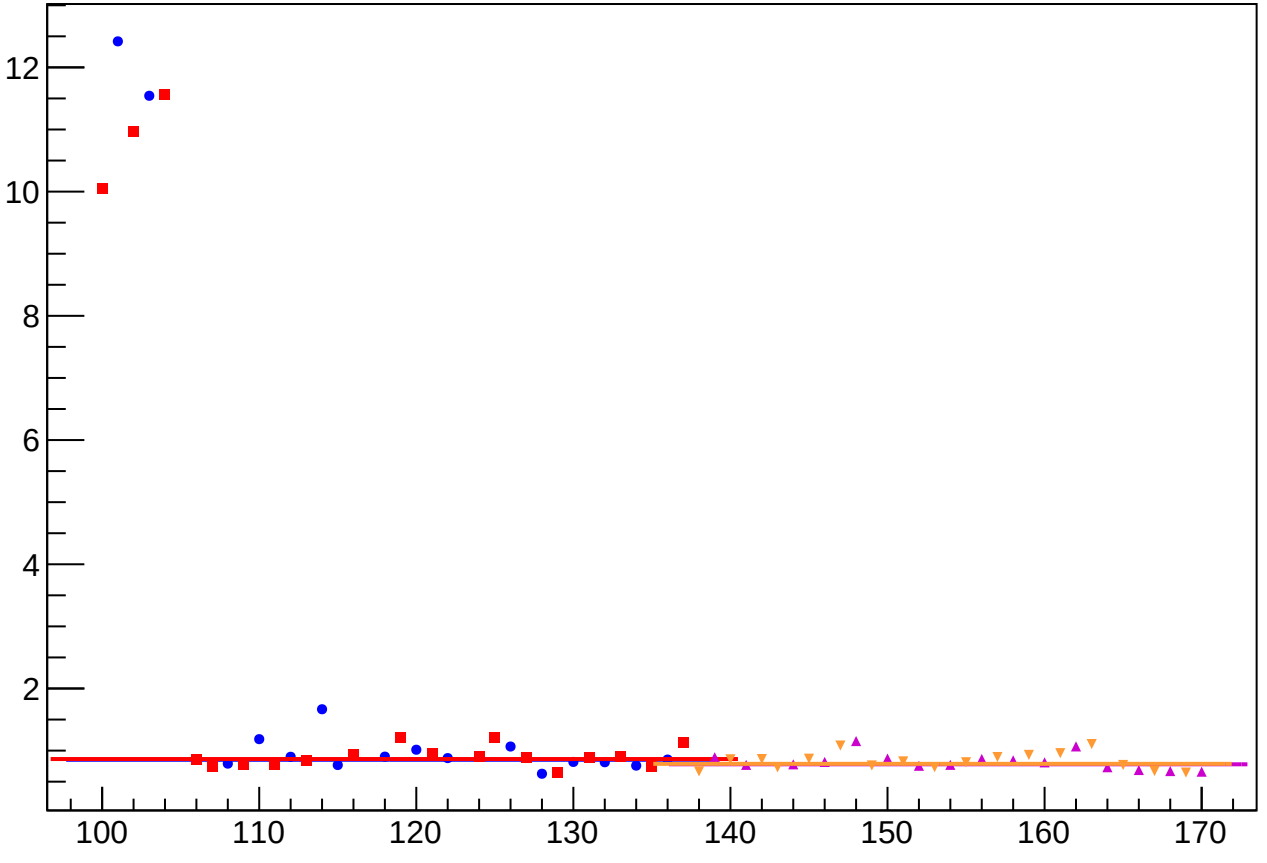
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 166.462+/-0.000 χ^2/NDF:16825402642.9/31

Out: 168.530+/-0.000 χ^2/NDF:18069455296.1/35

All: 167.491+/-0.000 χ^2/NDF: 34936966295.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.787+/-0.000 χ^2/NDF:431366.8/16

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.780+/-0.000 χ^2/NDF:367139.7/15

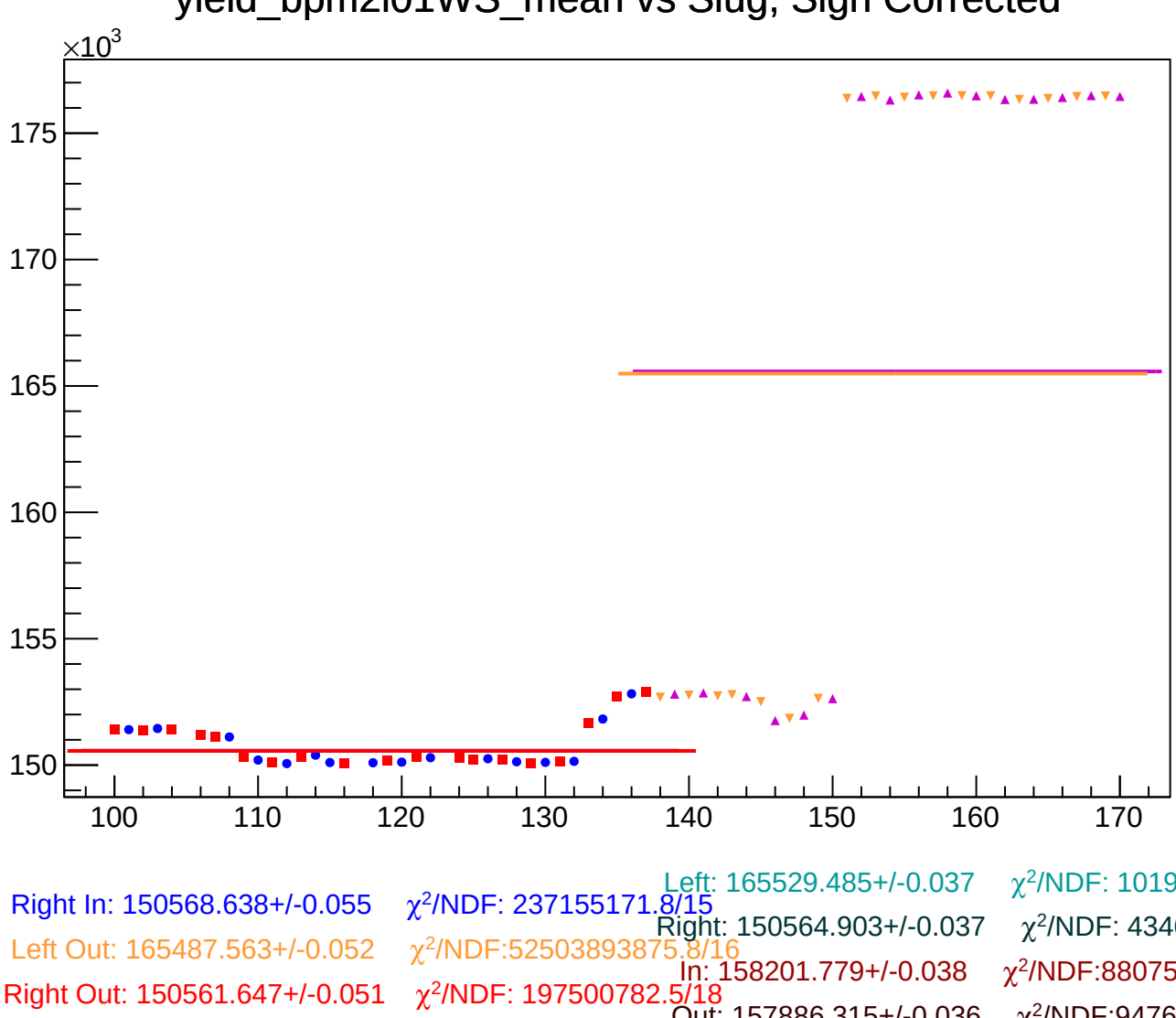
Left: 0.783+/-0.000 χ^2/NDF: 799276.9/32

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

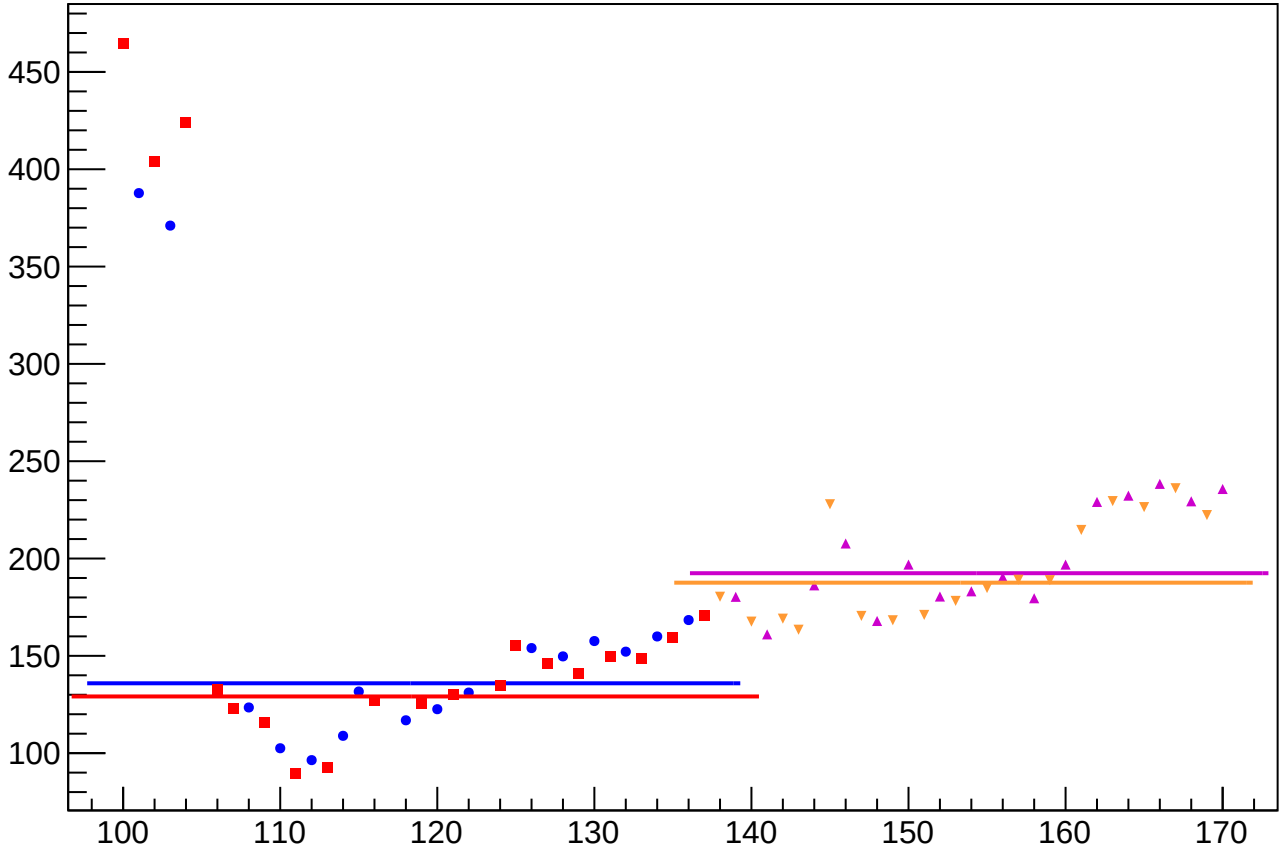
In: 0.799+/-0.000 χ^2/NDF:2711175.1/31

Out: 0.808+/-0.000 χ^2/NDF:2687661.5/35

All: 0.804+/-0.000 χ^2/NDF: 5400508.9/67


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 165487.563+/-0.052 χ²/NDF:52503893875.8/16
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 165574.255+/-0.054 χ²/NDF:49432437926.3/15
Left: 165529.485+/-0.037 χ²/NDF: 101937679194.
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 158201.779+/-0.038 χ²/NDF:88075961683.3/3
Out: 157886.315+/-0.036 χ²/NDF:94764175140.7
All: 158036.039+/-0.026 χ²/NDF: 18287582

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 187.590+/-0.037 χ^2/NDF:405299.1/16

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 192.456+/-0.038 χ^2/NDF:361382.9/15

Left: 189.943+/-0.026 χ^2/NDF: 775170.5/32

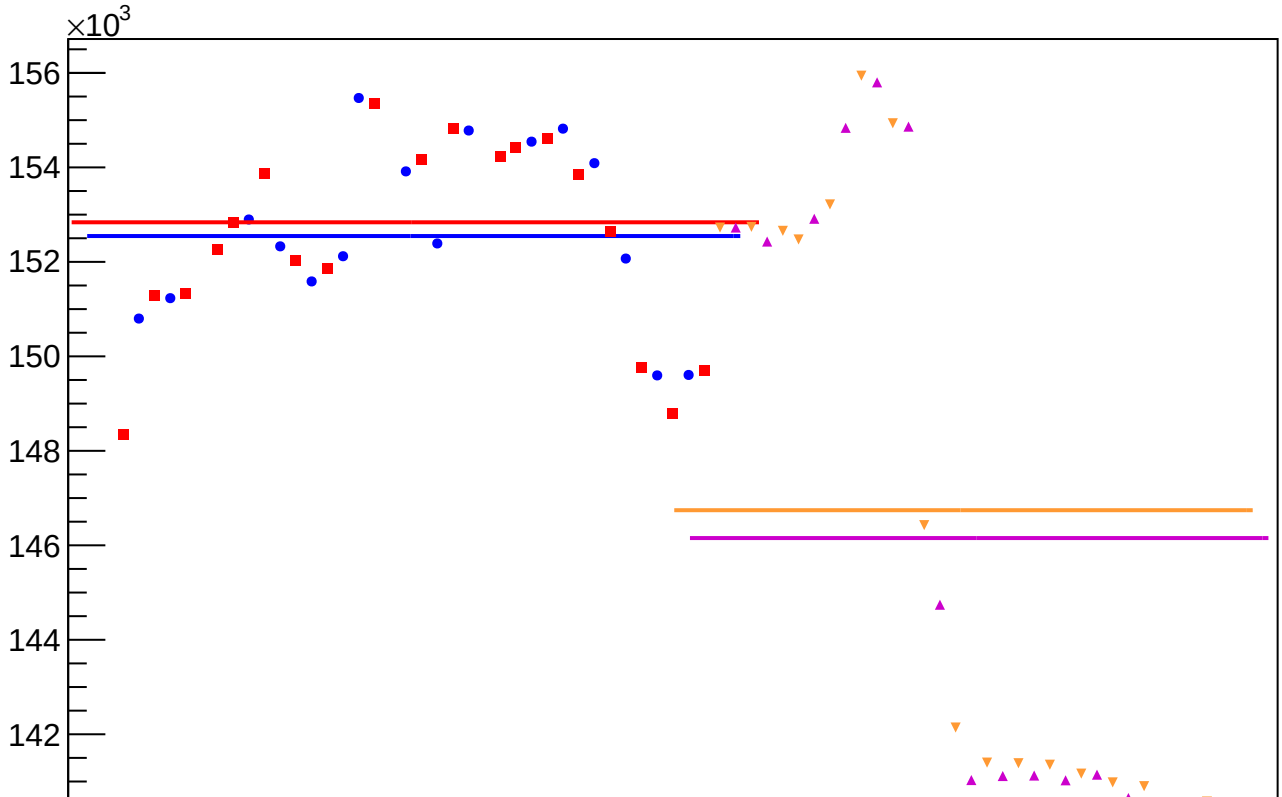
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 164.667+/-0.027 χ^2/NDF:2868993.8/31

Out: 157.819+/-0.026 χ^2/NDF:3310105.4/35

All: 161.069+/-0.019 χ^2/NDF: 6212733.5/67

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146743.134+/-0.056 χ^2/NDF:10799391556.4/16

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

Left: 146454.567+/-0.040 χ^2/NDF: 21997469030.1

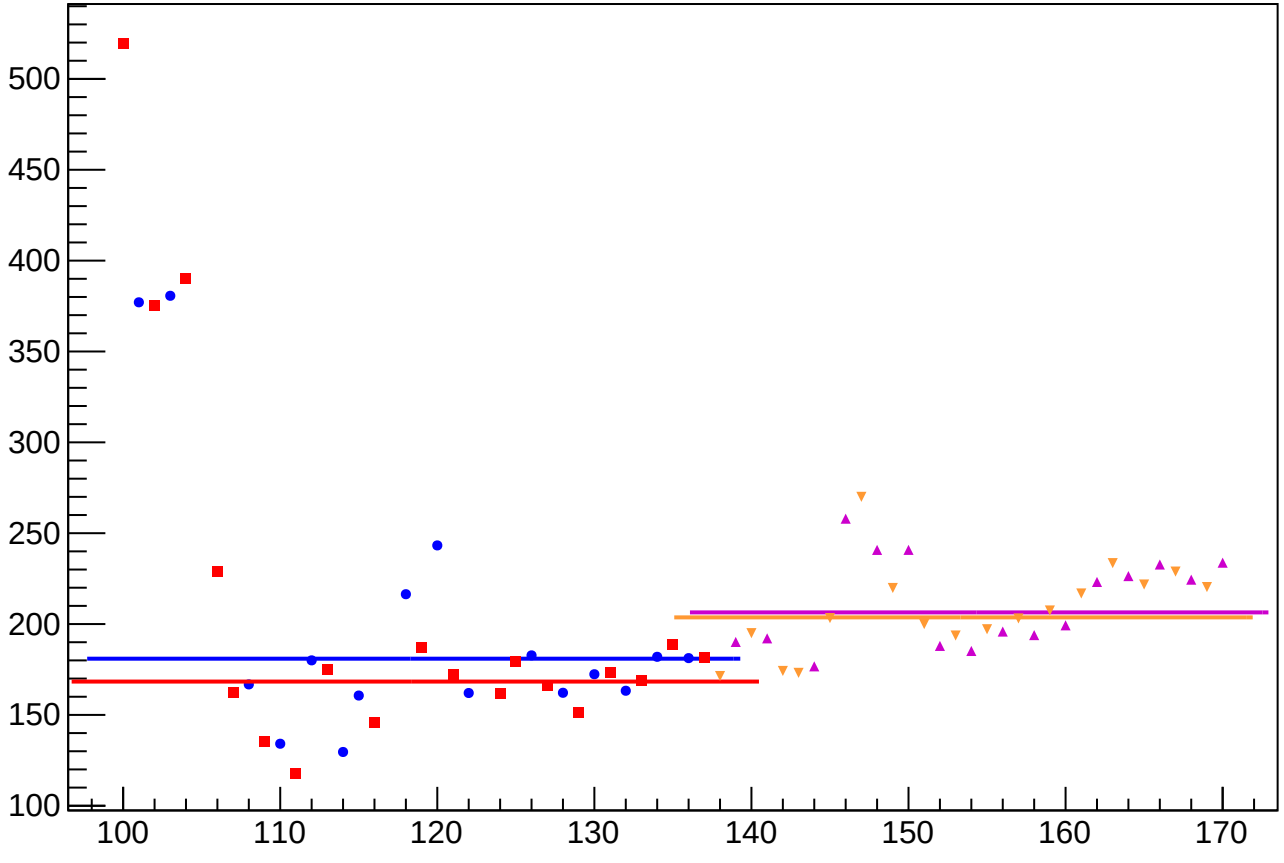
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 148625.949+/-0.045 χ^2/NDF:16553304013.8/3

Out: 149288.766+/-0.043 χ^2/NDF:16404253389.6

All: 148972.943+/-0.031 χ^2/NDF: 330703466

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 203.672+/-0.040 χ^2/NDF:315474.3/16

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 206.416+/-0.041 χ^2/NDF:329681.2/15

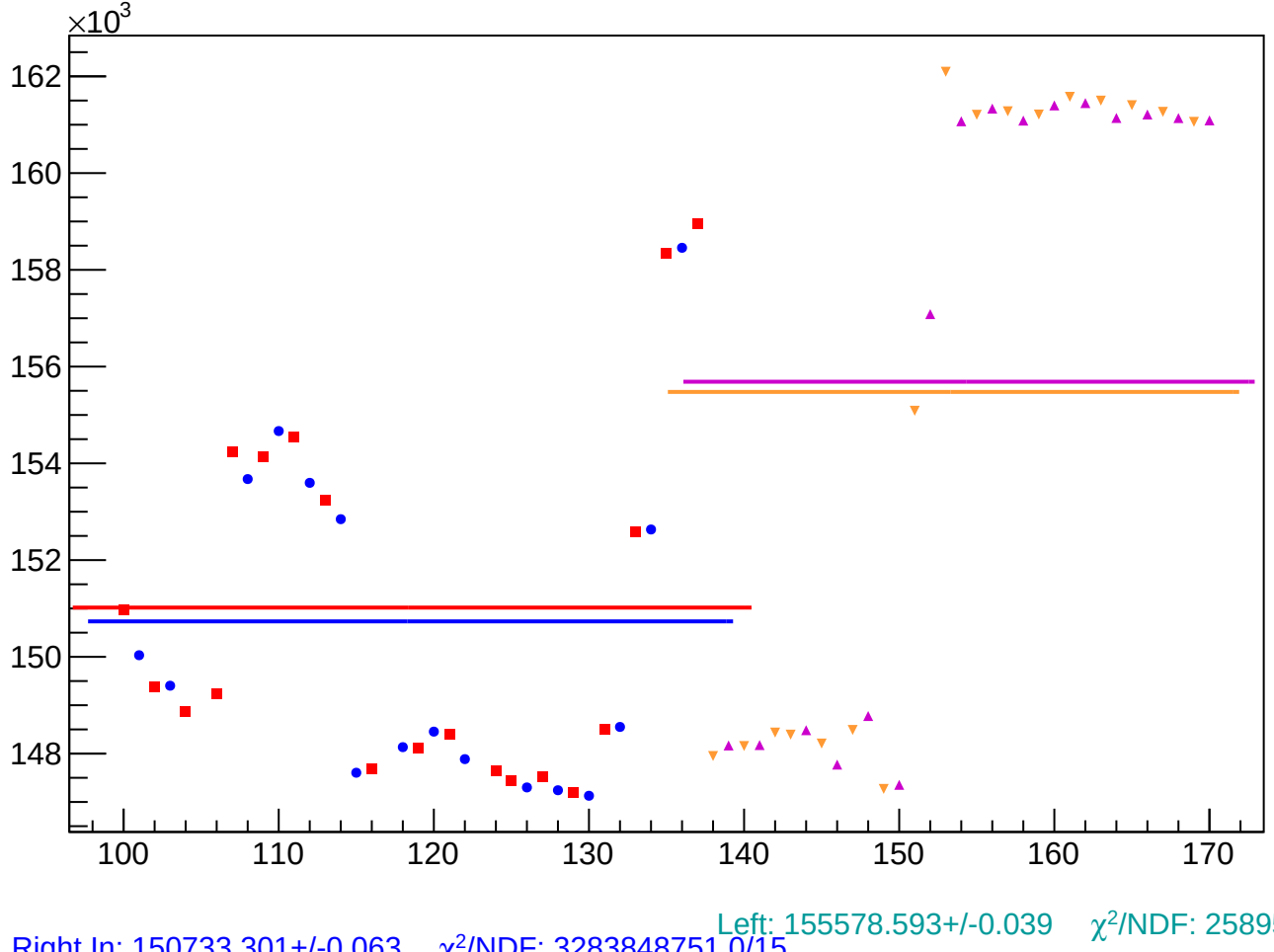
Left: 205.015+/-0.029 χ^2/NDF: 647468.6/32

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 196.564+/-0.032 χ^2/NDF:1388432.1/31

Out: 188.918+/-0.030 χ^2/NDF:1731581.2/35

All: 192.561+/-0.022 χ^2/NDF: 3150024.6/67



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155476.769+/-0.055 χ^2/NDF:13673972979.7/16

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 155687.409+/-0.056 χ^2/NDF:12214265191.9/15

Left: 155578.593+/-0.039 χ^2/NDF: 25895445656.9

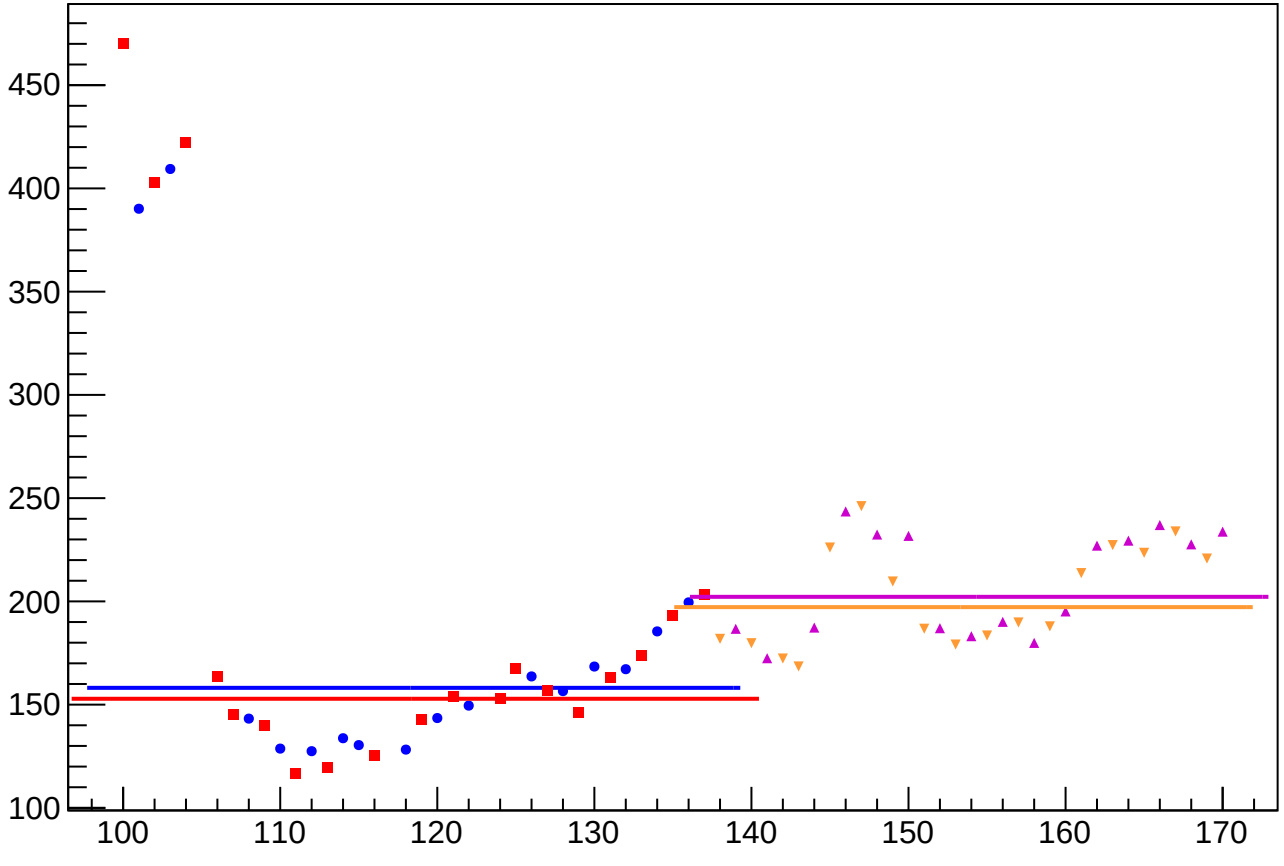
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153479.742+/-0.042 χ^2/NDF:18937275455.3/3

Out: 153461.276+/-0.040 χ^2/NDF:19979651616.2

All: 153470.148+/-0.029 χ^2/NDF: 38917027

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 197.222+/-0.039 χ^2/NDF:338386.7/16

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 202.210+/-0.040 χ^2/NDF:358826.0/15

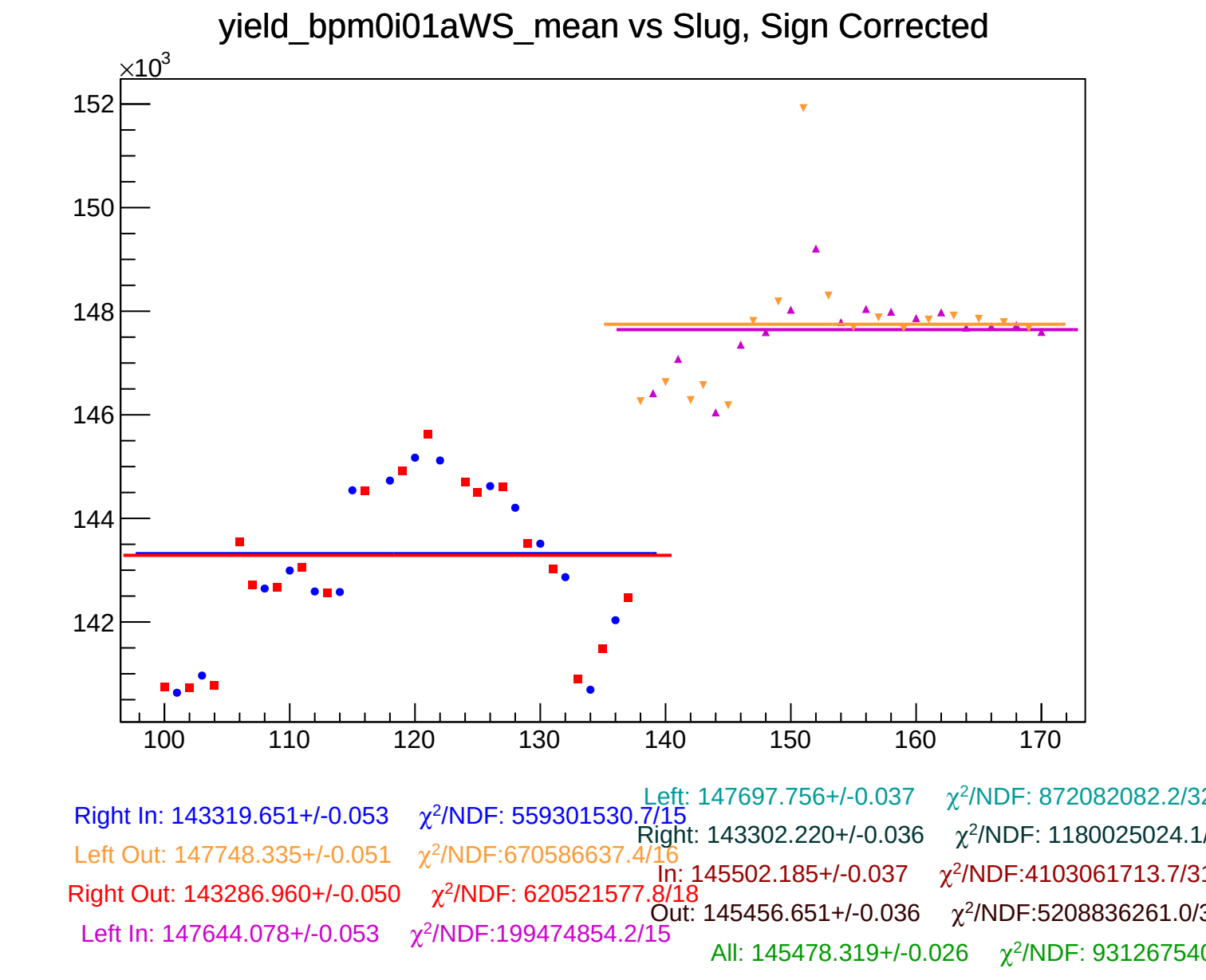
Left: 199.633+/-0.028 χ^2/NDF: 705294.8/32

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

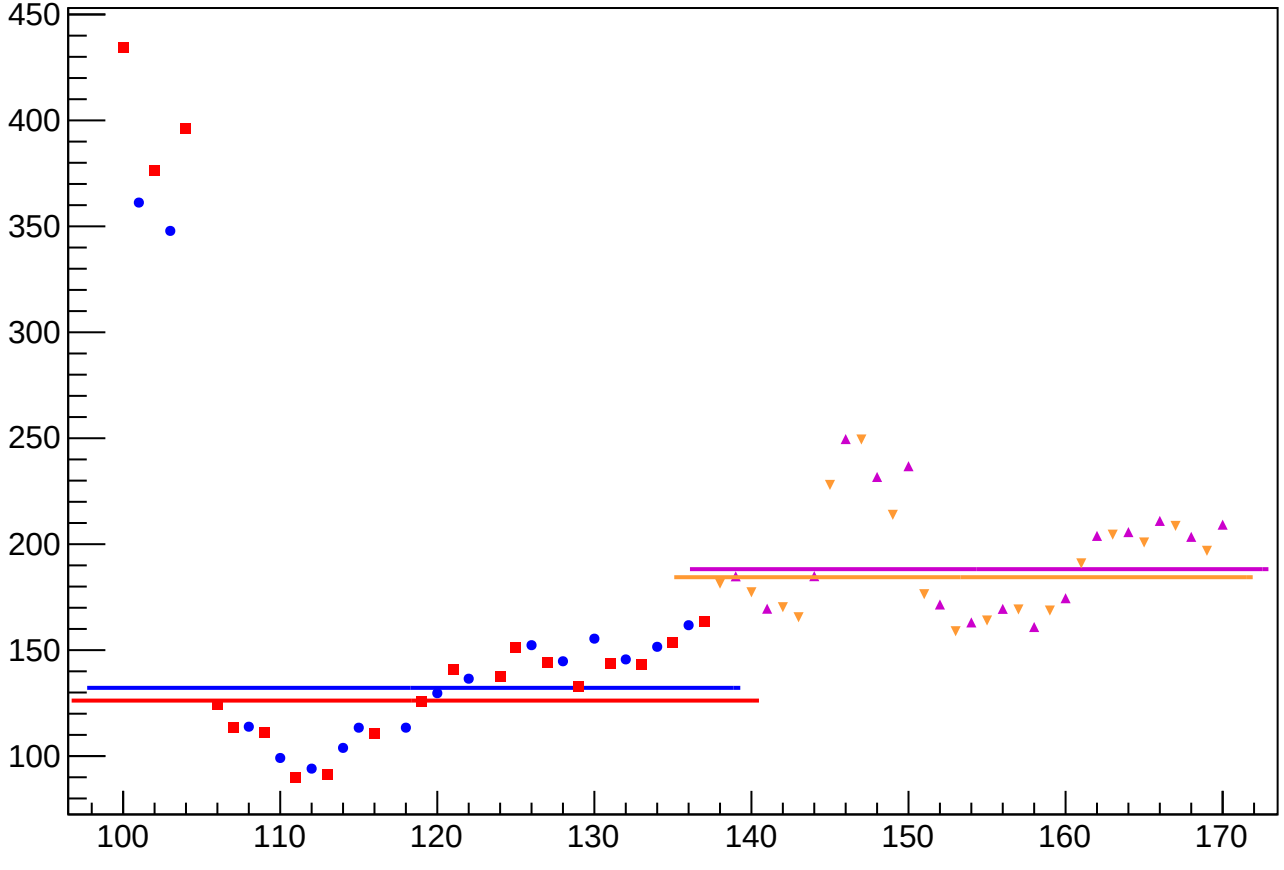
In: 182.570+/-0.030 χ^2/NDF:2098876.2/31

Out: 177.158+/-0.029 χ^2/NDF:2201084.1/35

All: 179.759+/-0.021 χ^2/NDF: 4317221.8/67


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147748.335+/-0.051 χ²/NDF:670586637.4/16
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147644.078+/-0.053 χ²/NDF:199474854.2/15
Left: 147697.756+/-0.037 χ²/NDF: 872082082.2/32
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145502.185+/-0.037 χ²/NDF:4103061713.7/31
Out: 145456.651+/-0.036 χ²/NDF:5208836261.0/3
All: 145478.319+/-0.026 χ²/NDF: 93126754

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 184.419+/-0.036 χ^2/NDF:382950.6/16

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 188.218+/-0.037 χ^2/NDF:454755.1/15

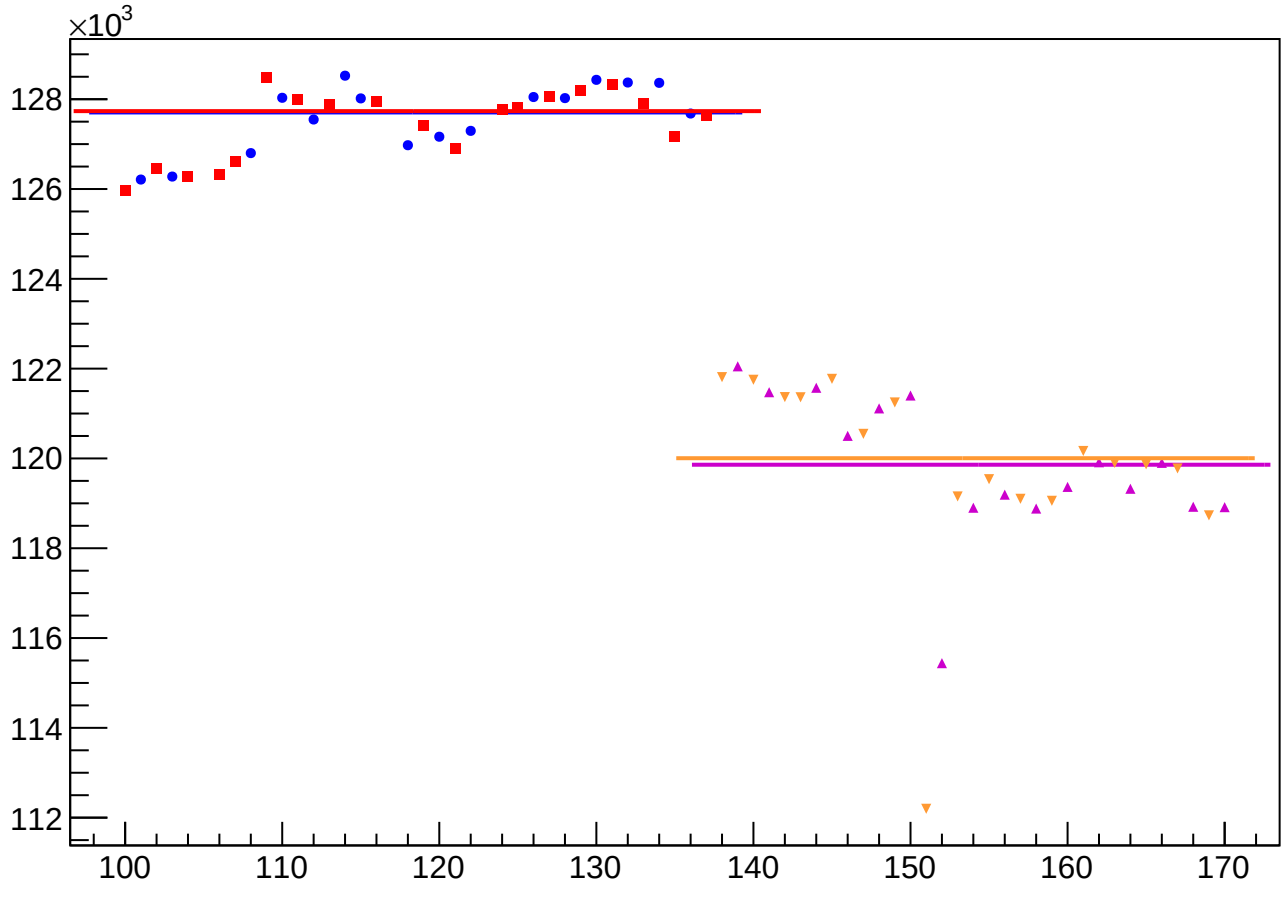
Left: 186.262+/-0.026 χ^2/NDF: 843074.0/32

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 160.475+/-0.026 χ^2/NDF:2956132.0/31

Out: 154.509+/-0.025 χ^2/NDF:3262682.3/35

All: 157.348+/-0.018 χ^2/NDF: 6245503.4/67



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120004.890+/-0.051 χ^2/NDF:1785022472.1/16

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119859.759+/-0.050 χ^2/NDF:1182806064.4/15

Left: 119931.850+/-0.036 χ^2/NDF: 2971981210.6/3

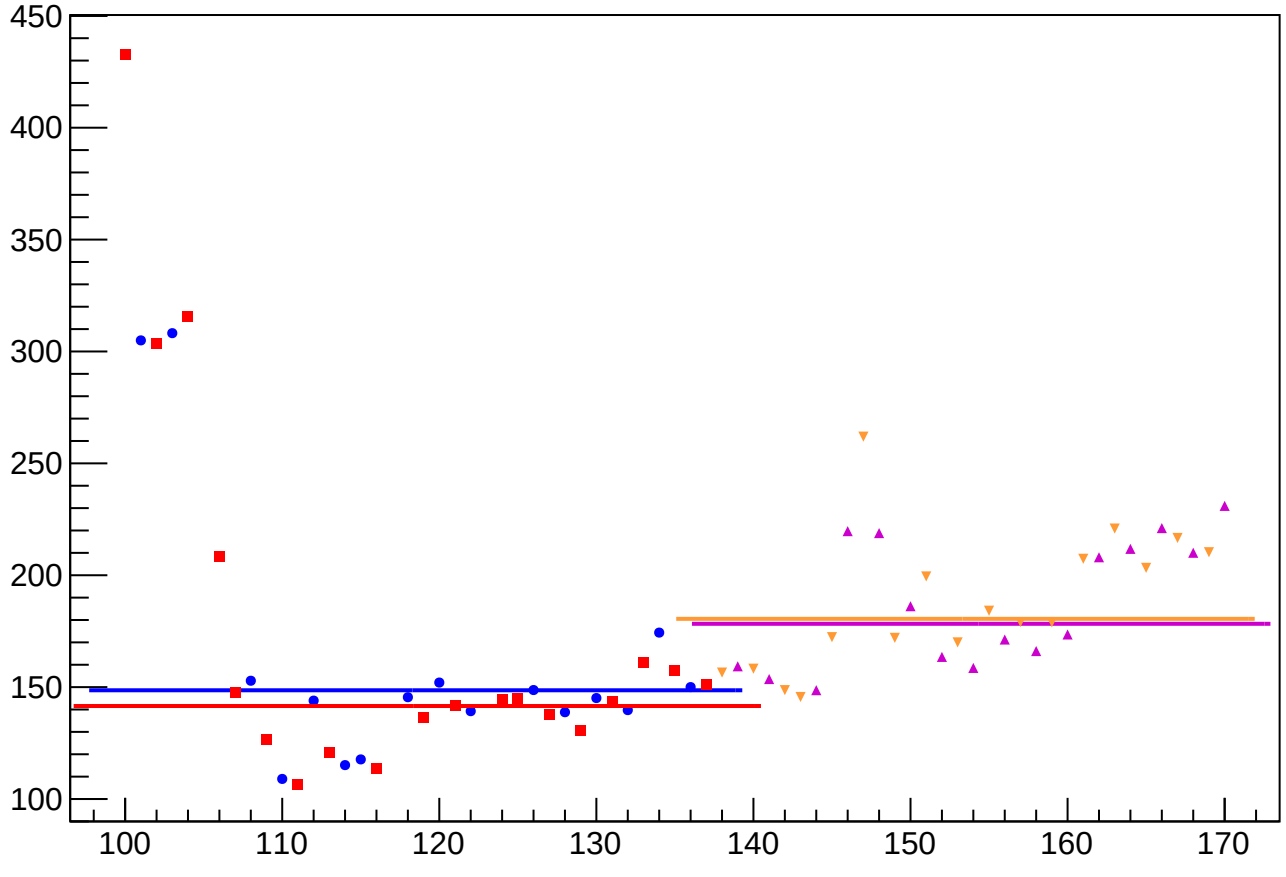
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123191.992+/-0.038 χ^2/NDF:11663501663.8/3

Out: 123548.499+/-0.037 χ^2/NDF:12624748310.3

All: 123374.461+/-0.027 χ^2/NDF: 24333132

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 180.519+/-0.036 χ^2/NDF:555781.5/16

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 178.301+/-0.035 χ^2/NDF:538841.0/15

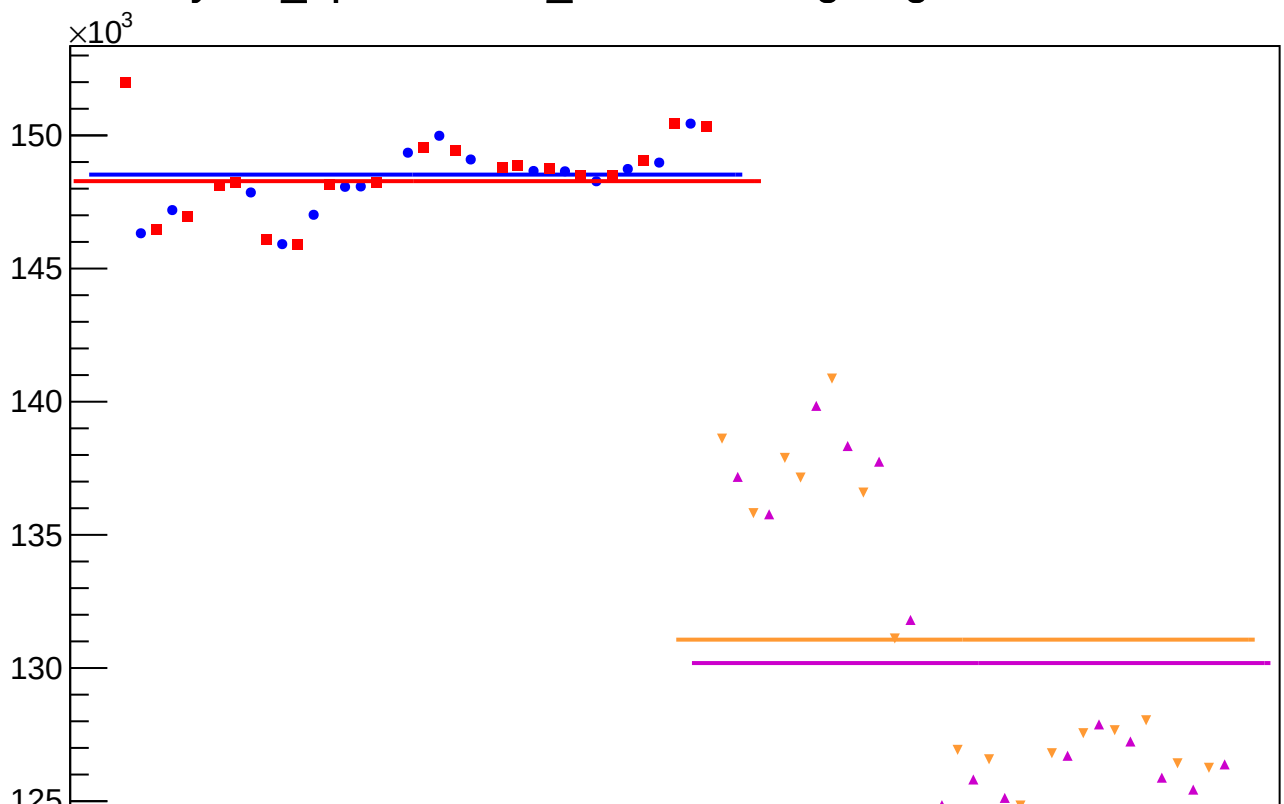
Left: 179.403+/-0.025 χ^2/NDF: 1096562.2/32

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 165.683+/-0.027 χ^2/NDF:1664112.8/31

Out: 162.660+/-0.026 χ^2/NDF:2102105.0/35

All: 164.136+/-0.019 χ^2/NDF: 3772672.7/67



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131065.683+/-0.073 χ^2/NDF:5472100795.0/16

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130186.181+/-0.073 χ^2/NDF:5891870222.1/15

Left: 130623.613+/-0.052 χ^2/NDF: 11436620847.6

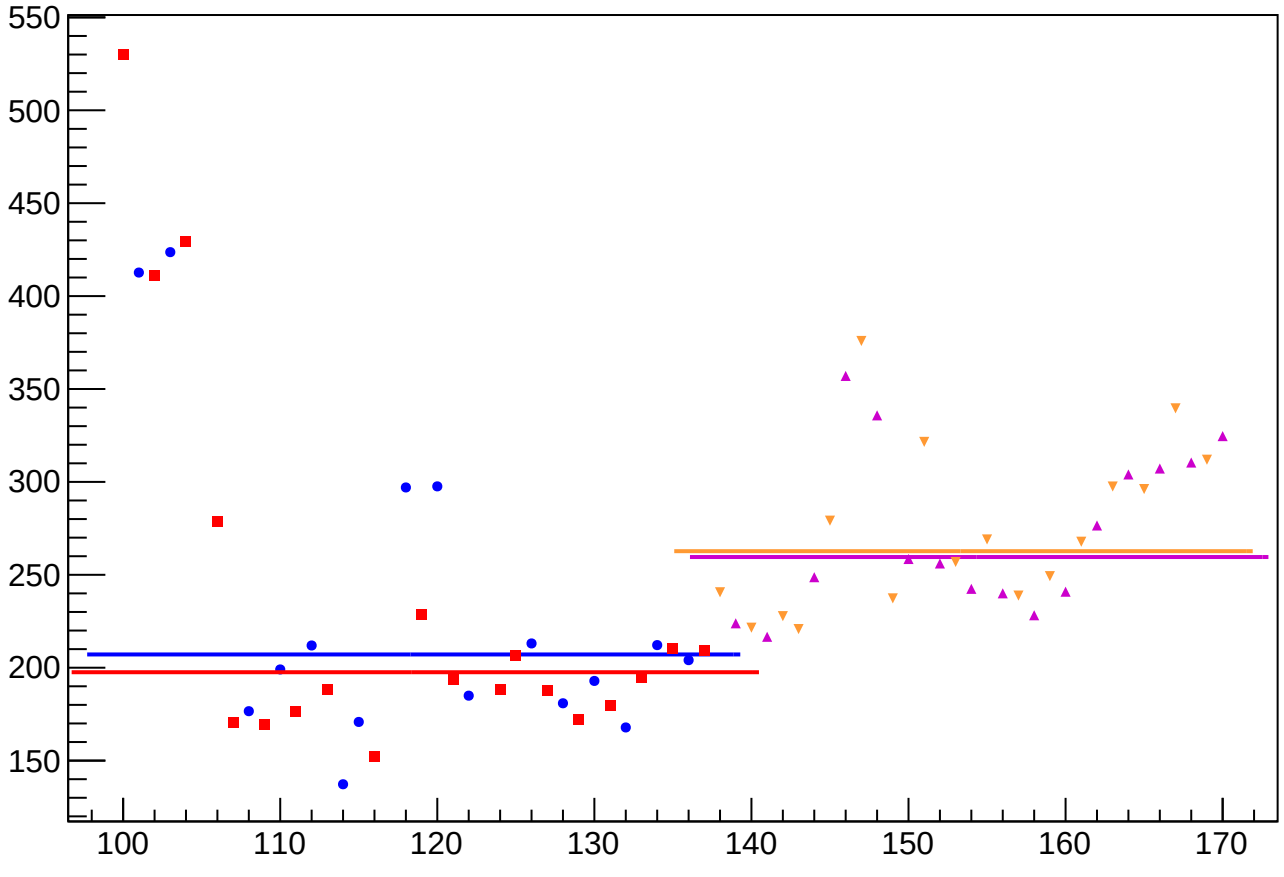
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 138273.645+/-0.054 χ^2/NDF:34112521363.7/3

Out: 139277.462+/-0.053 χ^2/NDF:32183838759.0

All: 138789.625+/-0.038 χ^2/NDF: 664713105

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 262.715+/-0.052 χ^2/NDF:557591.2/16

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 259.571+/-0.051 χ^2/NDF:560329.1/15

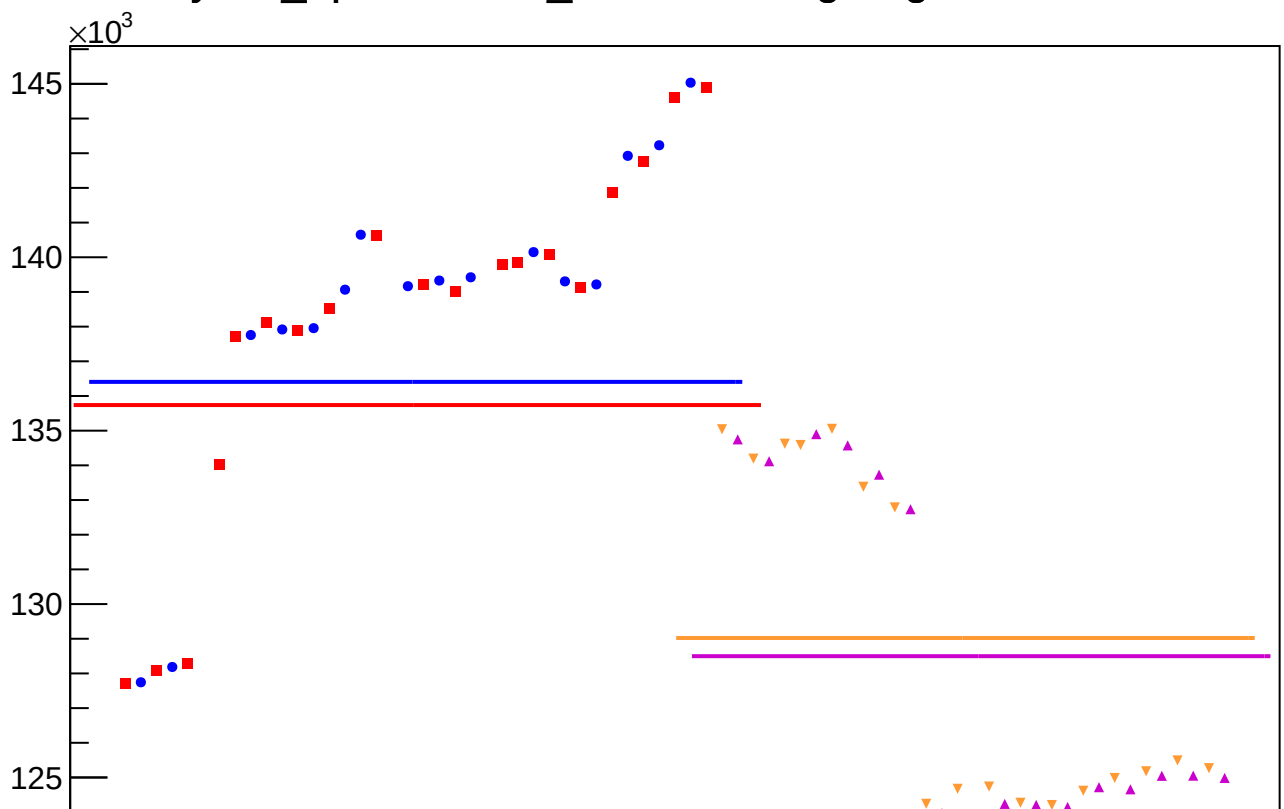
Left: 261.135+/-0.036 χ^2/NDF: 1119777.8/32

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 236.450+/-0.038 χ^2/NDF:1990425.7/31

Out: 231.643+/-0.037 χ^2/NDF:2218053.0/35

All: 233.979+/-0.027 χ^2/NDF: 4216501.7/67



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129022.663+/-0.162 χ^2/NDF:881651717.4/16

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 128497.517+/-0.170 χ^2/NDF:809196431.2/15

Left: 128772.496+/-0.117 χ^2/NDF: 1695852494.6/3

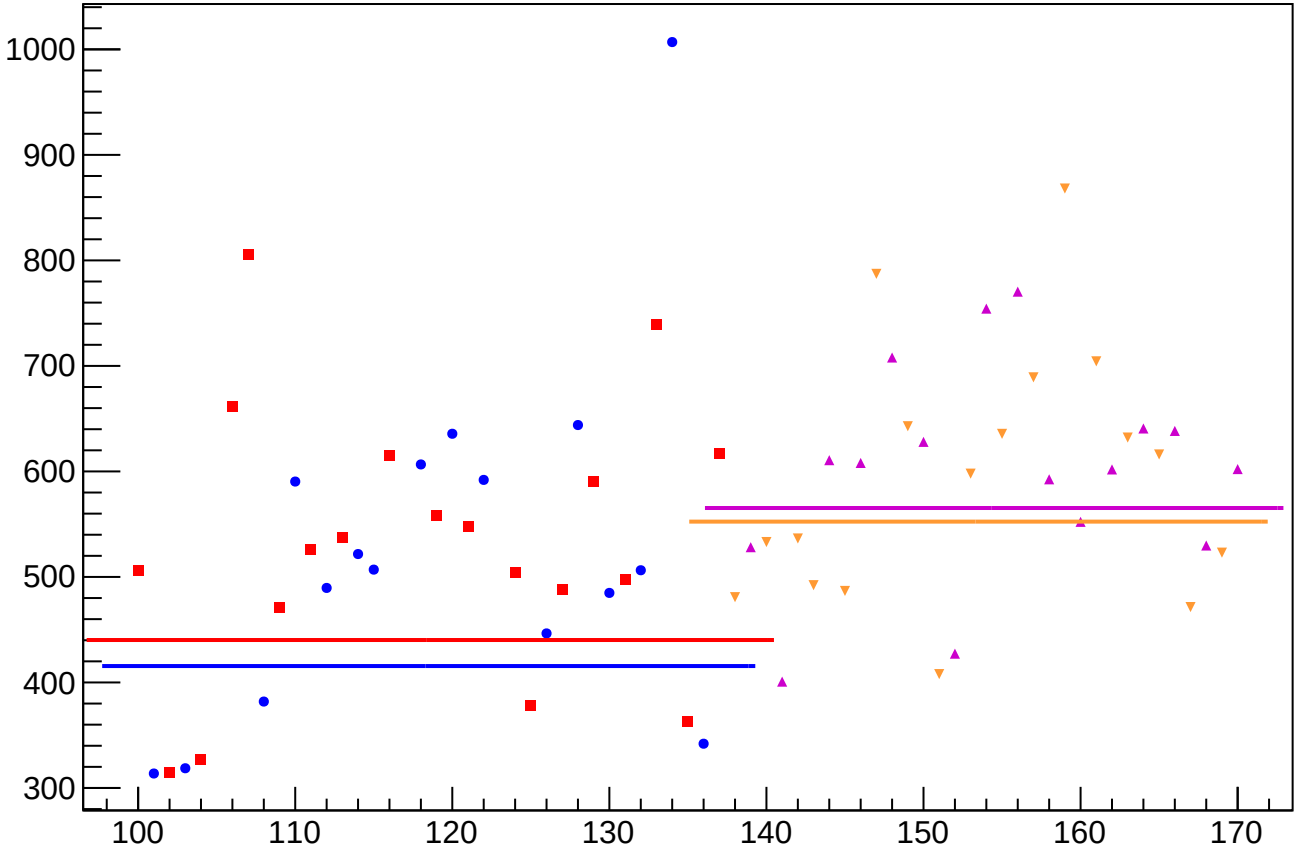
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132482.447+/-0.120 χ^2/NDF:3478548337.4/31

Out: 132090.654+/-0.119 χ^2/NDF:2840625362.7/3

All: 132286.150+/-0.085 χ^2/NDF: 63245452

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 552.433+/-0.115 χ^2/NDF:854643.2/16

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 565.332+/-0.120 χ^2/NDF:726331.7/15

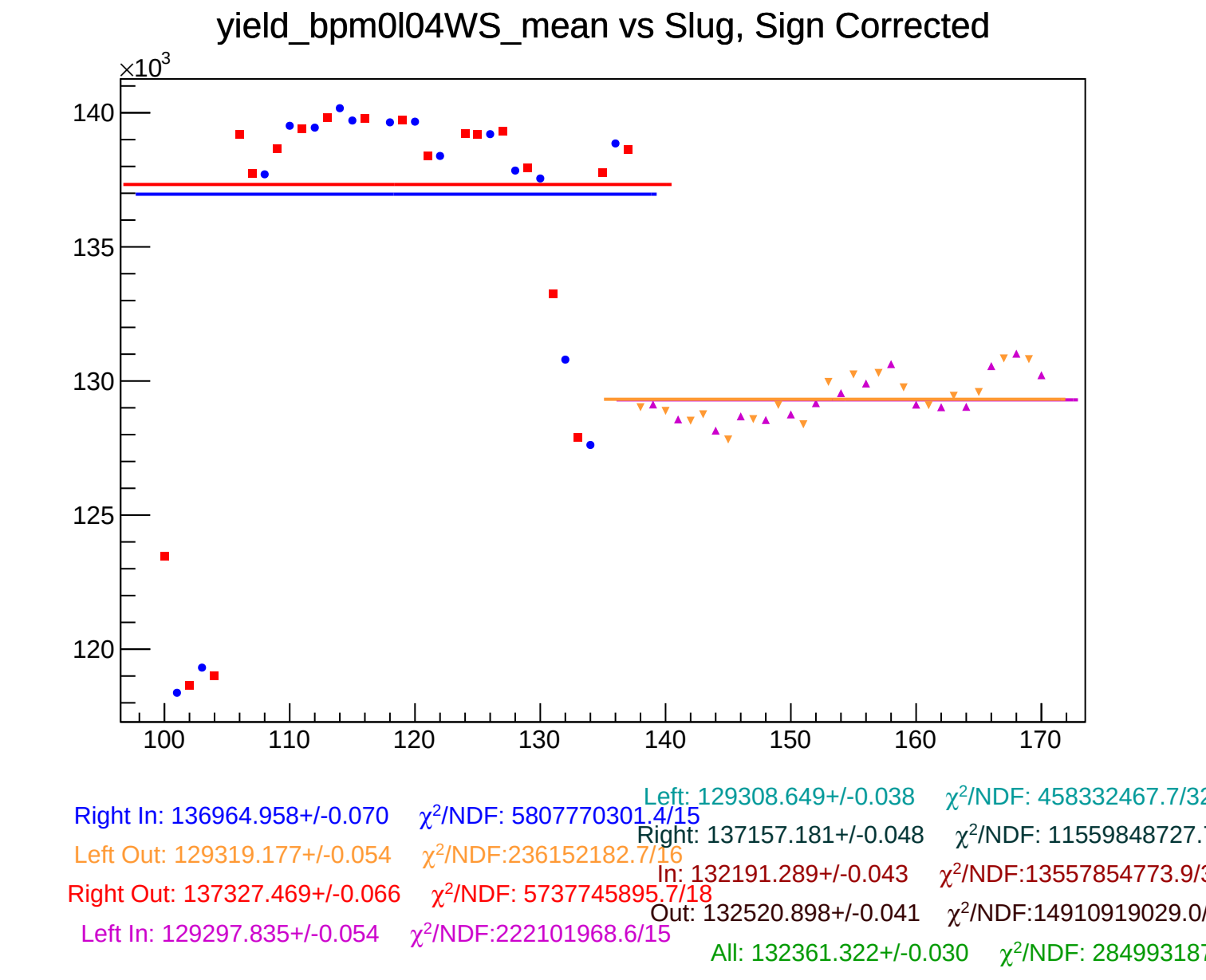
Left: 558.578+/-0.083 χ^2/NDF: 1587013.1/32

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

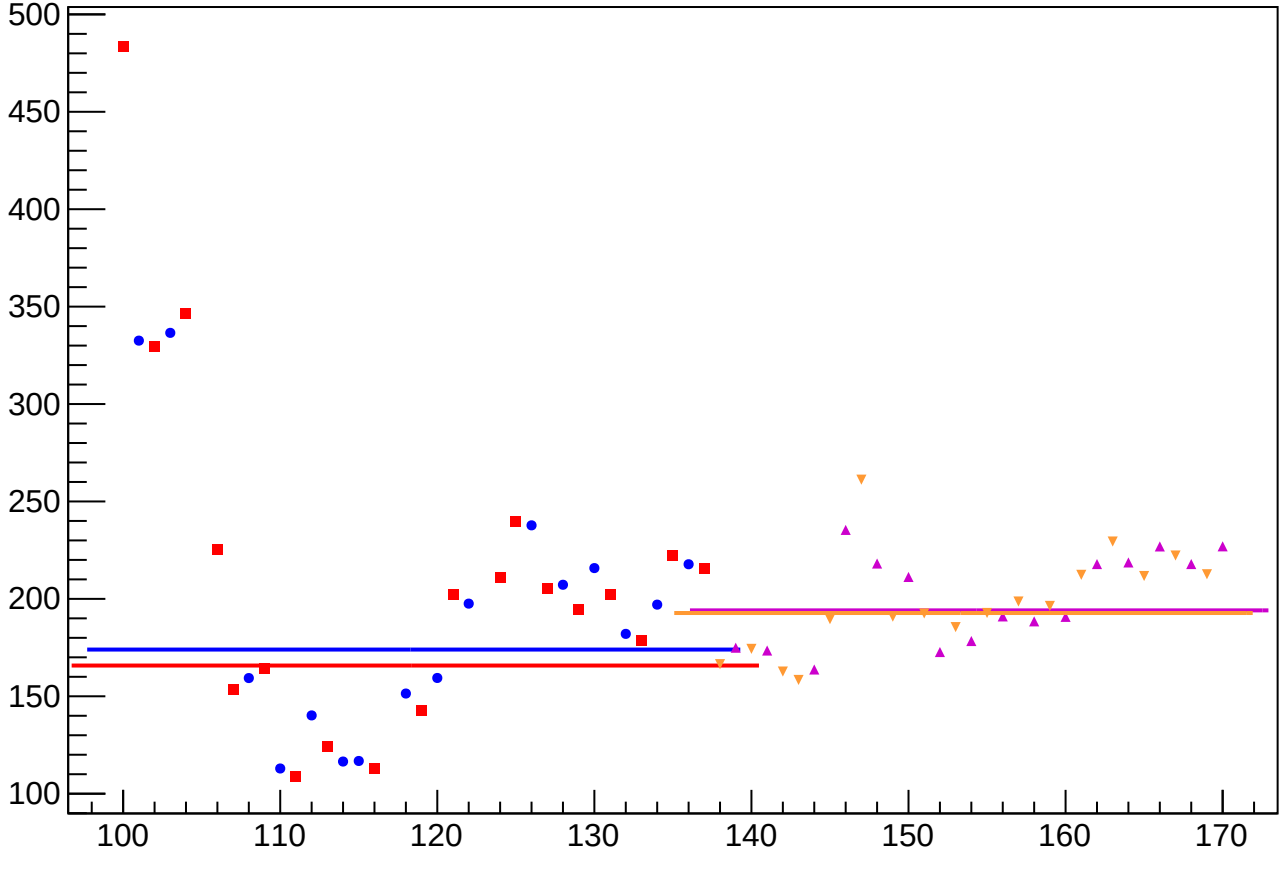
In: 489.867+/-0.085 χ^2/NDF:2541379.4/31

Out: 501.169+/-0.084 χ^2/NDF:2203694.9/35

All: 495.530+/-0.060 χ^2/NDF: 4754014.1/67


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129319.177+/-0.054 χ²/NDF:236152182.7/16
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129297.835+/-0.054 χ²/NDF:222101968.6/15
Left: 129308.649+/-0.038 χ²/NDF: 458332467.7/32
Right: 137157.181+/-0.048 χ²/NDF: 11559848727.
In: 132191.289+/-0.043 χ²/NDF:13557854773.9/3
Out: 132520.898+/-0.041 χ²/NDF:14910919029.0/
All: 132361.322+/-0.030 χ²/NDF: 28499318

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 192.742+/-0.038 χ^2/NDF:384992.8/16

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 194.097+/-0.038 χ^2/NDF:344262.1/15

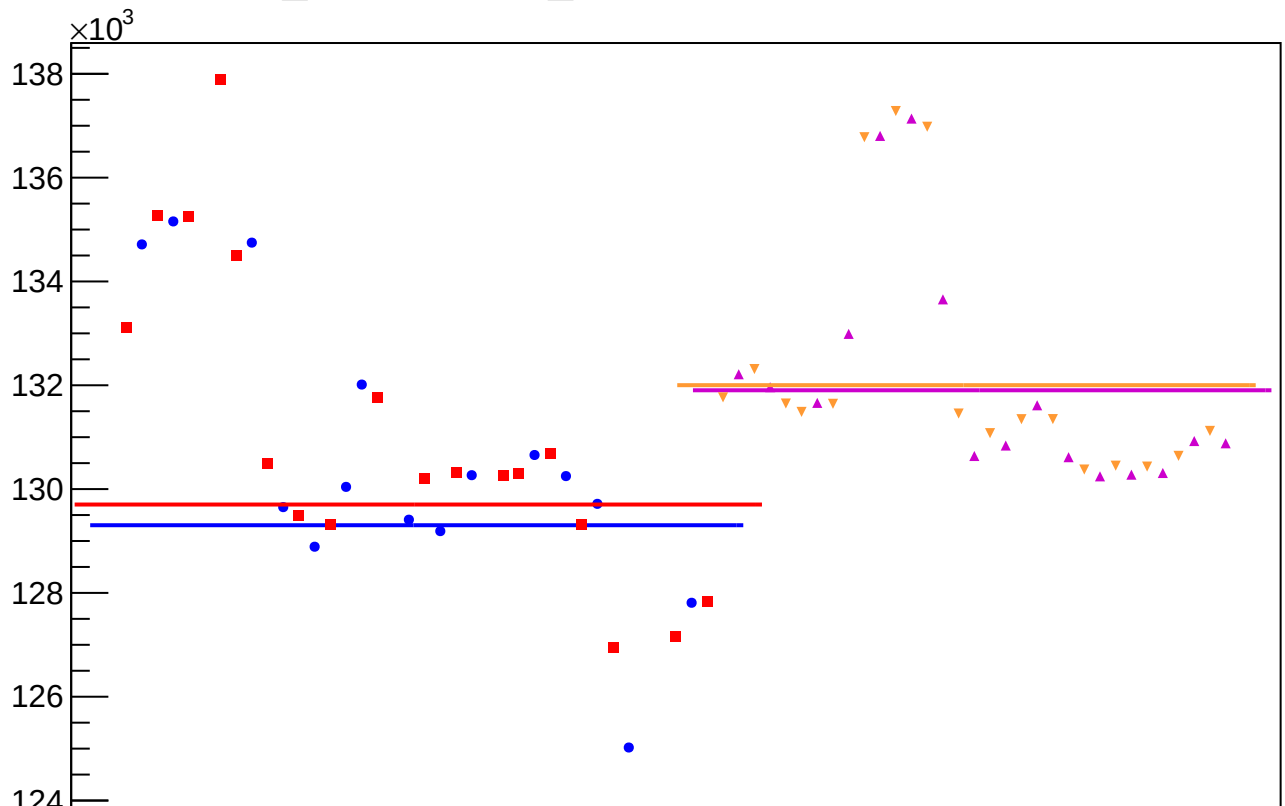
Left: 193.411+/-0.027 χ^2/NDF: 729886.7/32

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 186.506+/-0.030 χ^2/NDF:1636391.3/31

Out: 181.963+/-0.029 χ^2/NDF:2020751.6/35

All: 184.162+/-0.021 χ^2/NDF: 3668750.1/67



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132001.858+/-0.054 χ^2/NDF:1310606737.4/16

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131903.529+/-0.054 χ^2/NDF:1065074753.4/15

Left: 131953.201+/-0.038 χ^2/NDF: 2377335876.0/3

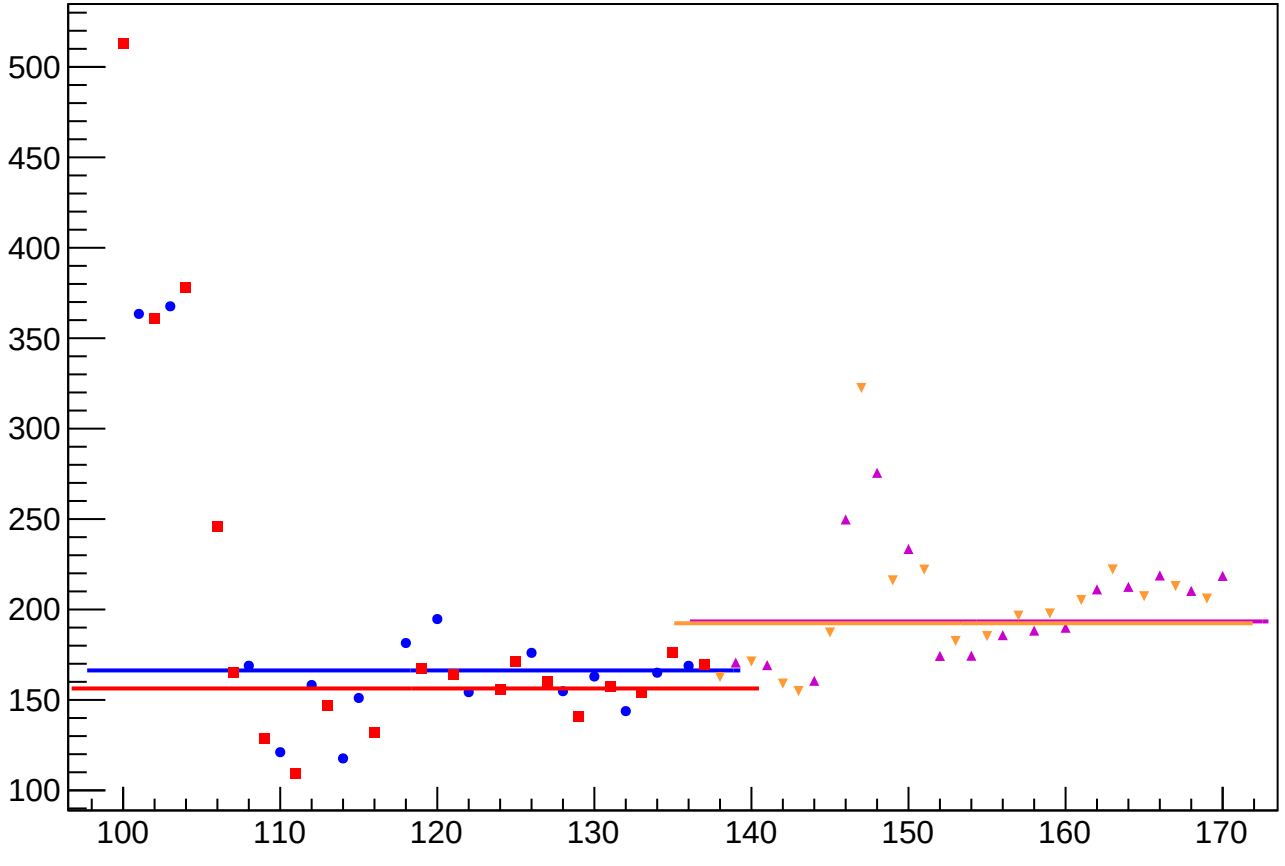
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130857.181+/-0.042 χ^2/NDF:3636682352.0/31

Out: 131006.347+/-0.040 χ^2/NDF:3879821729.9/3

All: 130934.484+/-0.029 χ^2/NDF: 752304097

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 192.385+/-0.038 χ^2/NDF:593025.4/16

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 193.401+/-0.038 χ^2/NDF:536414.4/15

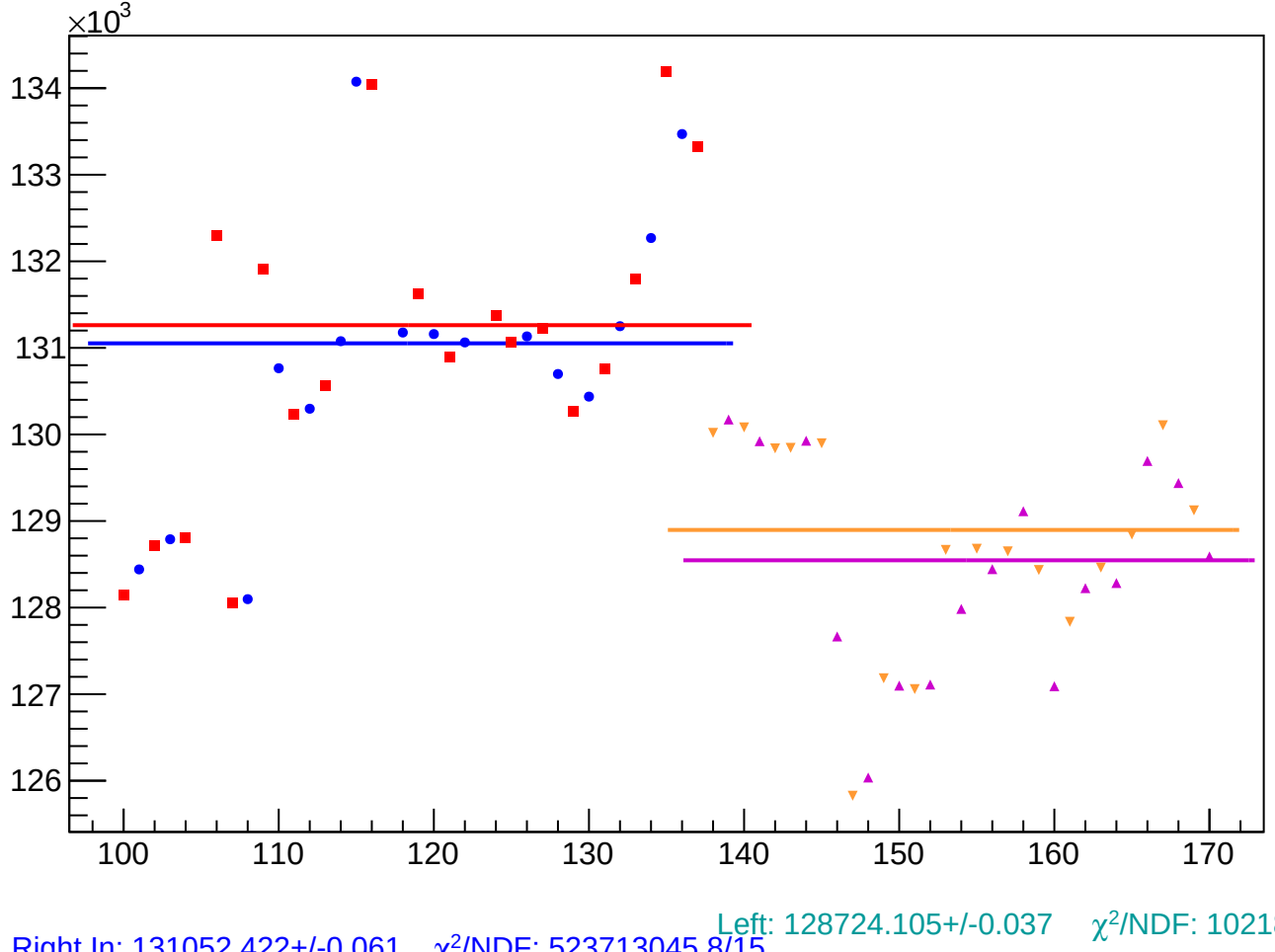
Left: 192.888+/-0.027 χ^2/NDF: 1129793.1/32

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

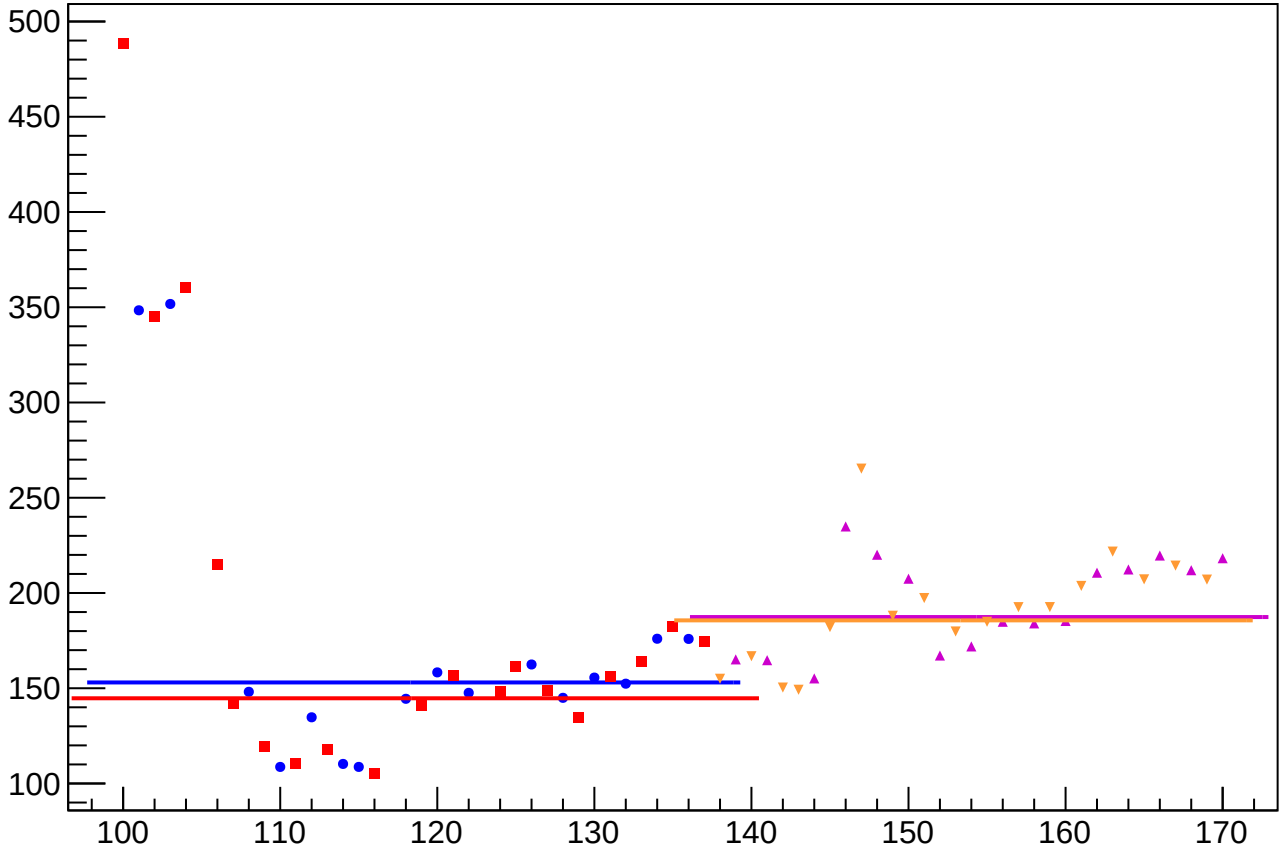
In: 182.494+/-0.030 χ^2/NDF:1674592.7/31

Out: 176.776+/-0.029 χ^2/NDF:2155011.2/35

All: 179.531+/-0.021 χ^2/NDF: 3848812.4/67


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: 128896.829+/-0.052 χ²/NDF:463202604.7/16
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128546.168+/-0.052 χ²/NDF:535953083.7/15
Left: 128724.105+/-0.037 χ²/NDF: 1021825279.9/3
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129619.040+/-0.040 χ²/NDF:2036595872.8/31
Out: 129971.148+/-0.038 χ²/NDF:2018617392.2/3
All: 129801.820+/-0.028 χ²/NDF: 40960978

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 185.632+/-0.037 χ^2/NDF:497784.8/16

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 187.371+/-0.037 χ^2/NDF:418916.7/15

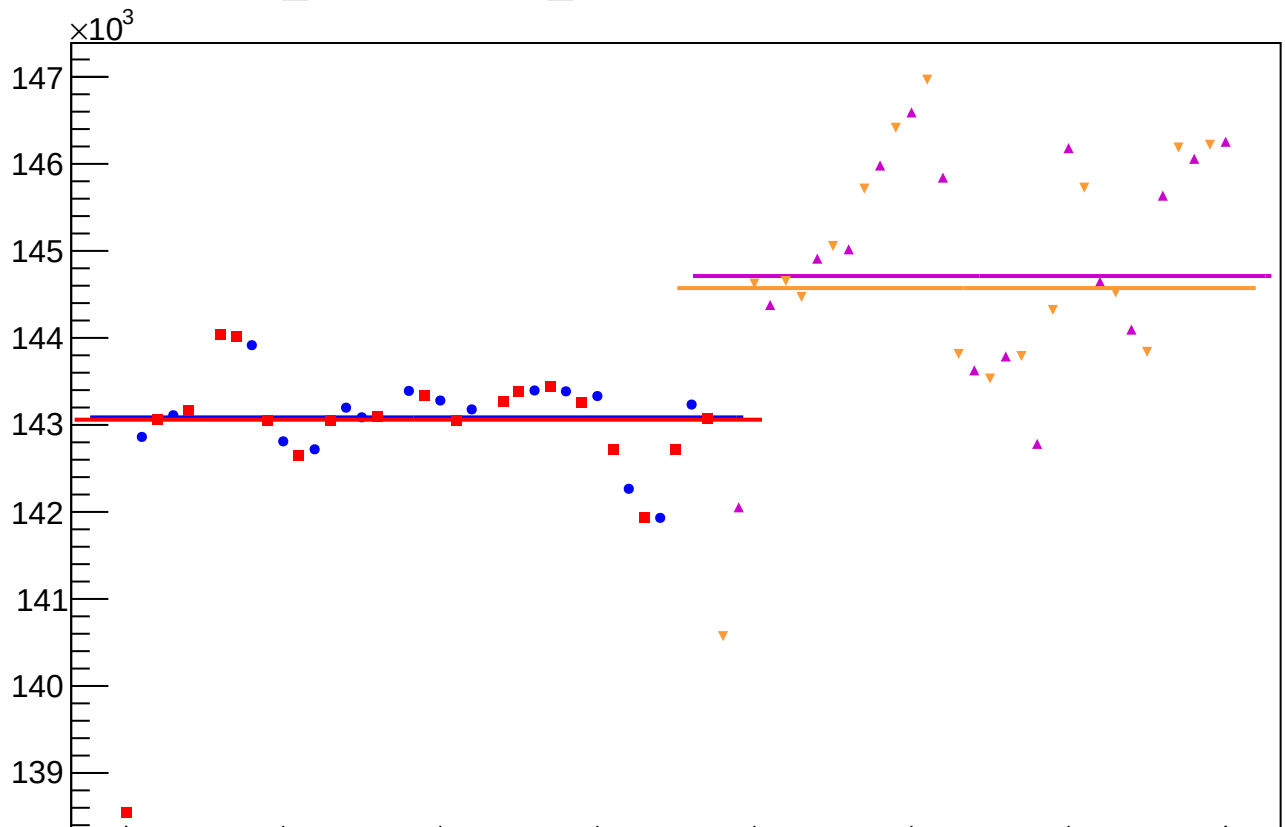
Left: 186.489+/-0.026 χ^2/NDF: 917816.3/32

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 172.676+/-0.028 χ^2/NDF:1844958.6/31

Out: 167.056+/-0.027 χ^2/NDF:2329993.4/35

All: 169.758+/-0.019 χ^2/NDF: 4195785.1/67



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144572.726+/-0.060 χ^2/NDF:682897674.0/16

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144711.278+/-0.060 χ^2/NDF:506739466.4/15

Left: 144641.561+/-0.042 χ^2/NDF: 1192313638.7/3

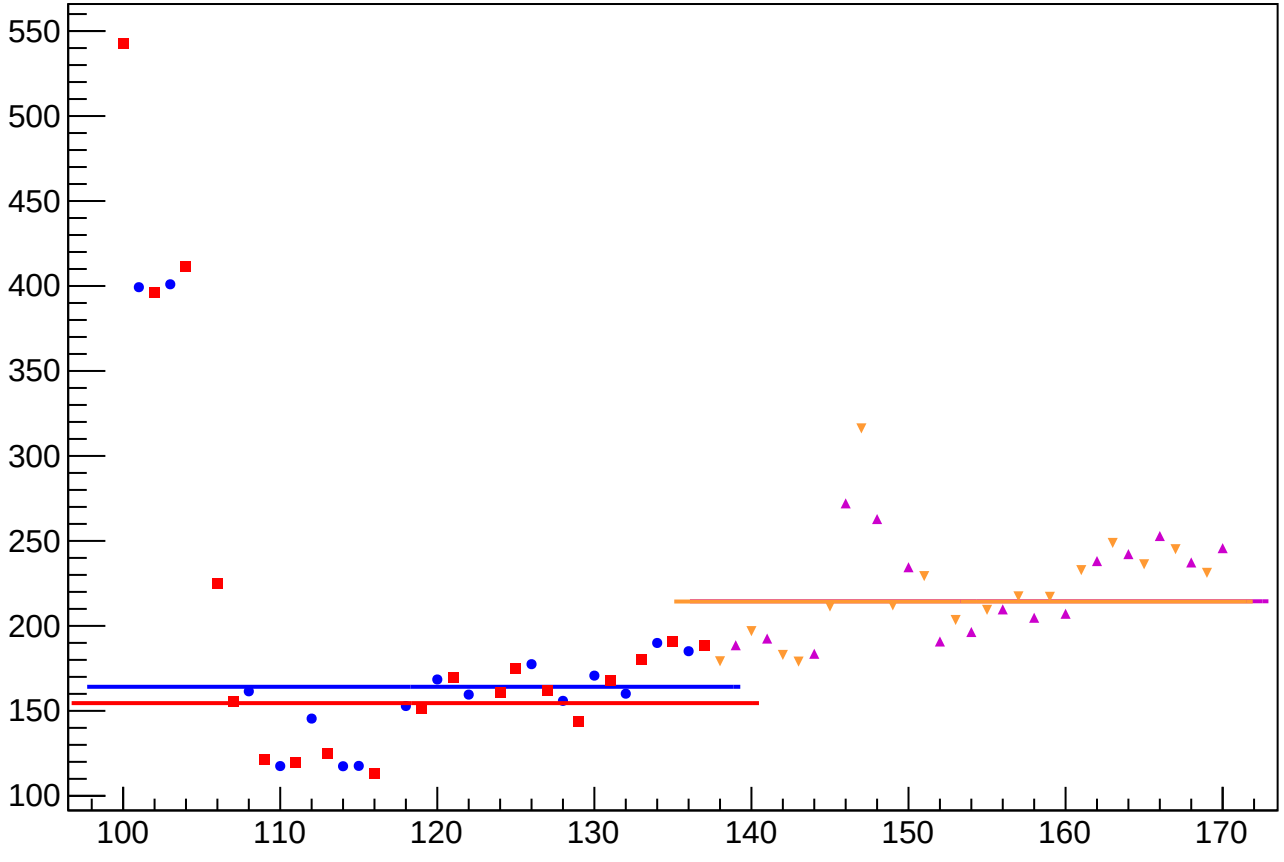
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143963.795+/-0.044 χ^2/NDF:889991085.9/31

Out: 143828.584+/-0.043 χ^2/NDF:1050466154.4/3

All: 143893.698+/-0.031 χ^2/NDF: 194532096

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 214.338+/-0.042 χ^2/NDF:426164.3/16

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 214.482+/-0.042 χ^2/NDF:395955.1/15

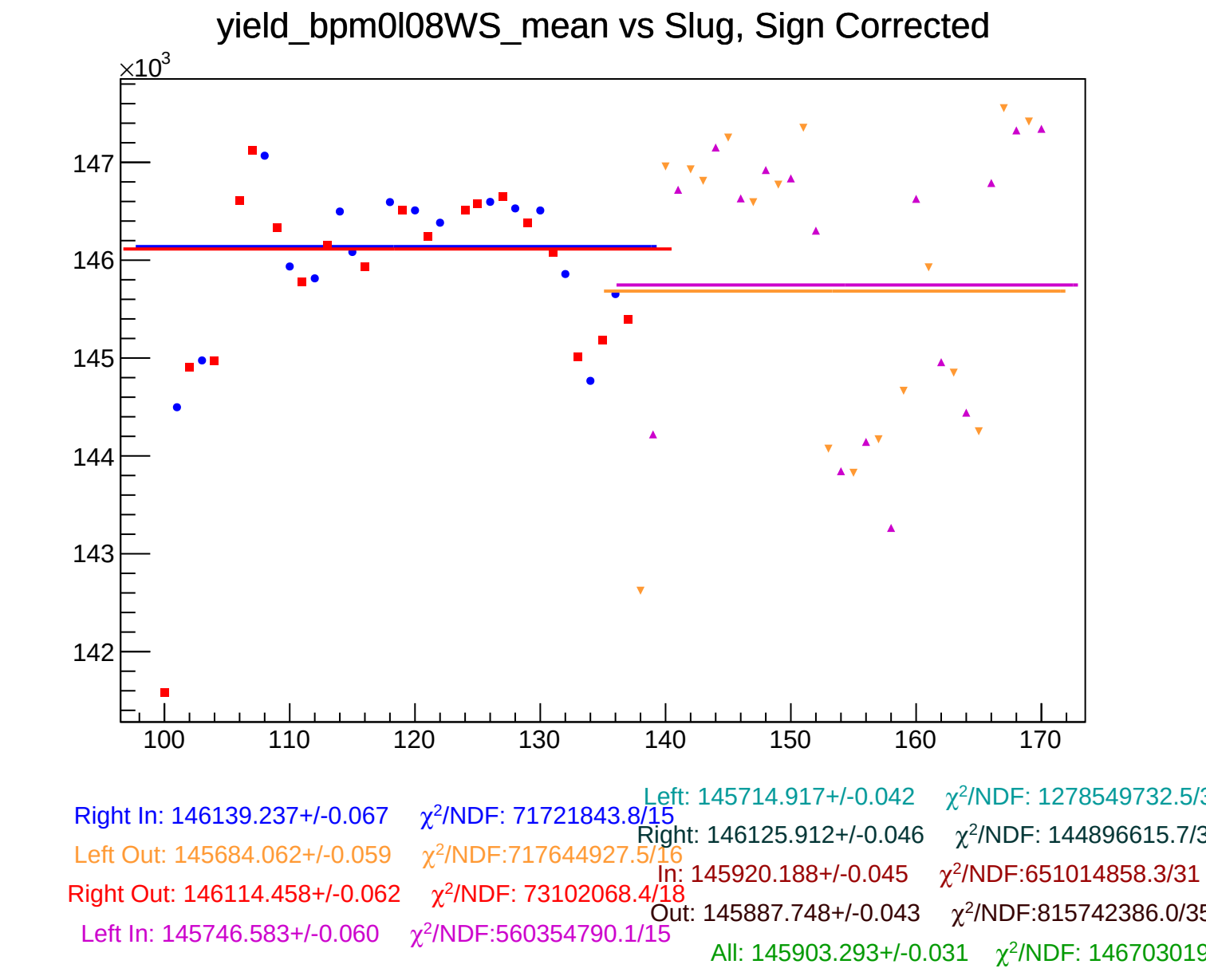
Left: 214.410+/-0.030 χ^2/NDF: 822125.2/32

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

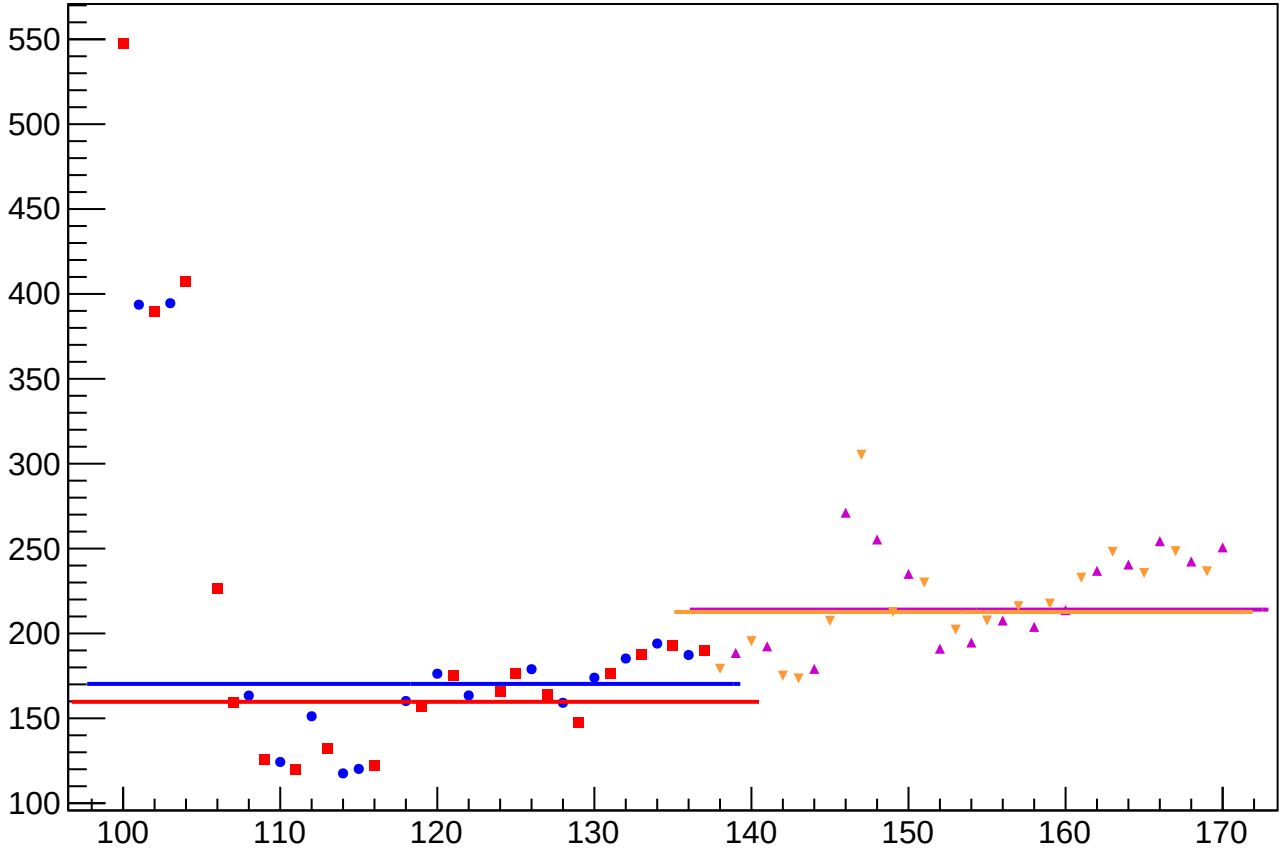
In: 191.335+/-0.031 χ^2/NDF:2171154.4/31

Out: 184.926+/-0.030 χ^2/NDF:2779865.6/35

All: 188.012+/-0.022 χ^2/NDF: 4972875.8/67


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
160
170
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145684.062+/-0.059 χ²/NDF:717644927.5/16
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145746.583+/-0.060 χ²/NDF:560354790.1/15
Left: 145714.917+/-0.042 χ²/NDF: 1278549732.5/3
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145920.188+/-0.045 χ²/NDF:651014858.3/31
Out: 145887.748+/-0.043 χ²/NDF:815742386.0/35
All: 145903.293+/-0.031 χ²/NDF: 146703019

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 212.678+/-0.042 χ^2/NDF:458942.1/16

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 214.048+/-0.042 χ^2/NDF:415655.2/15

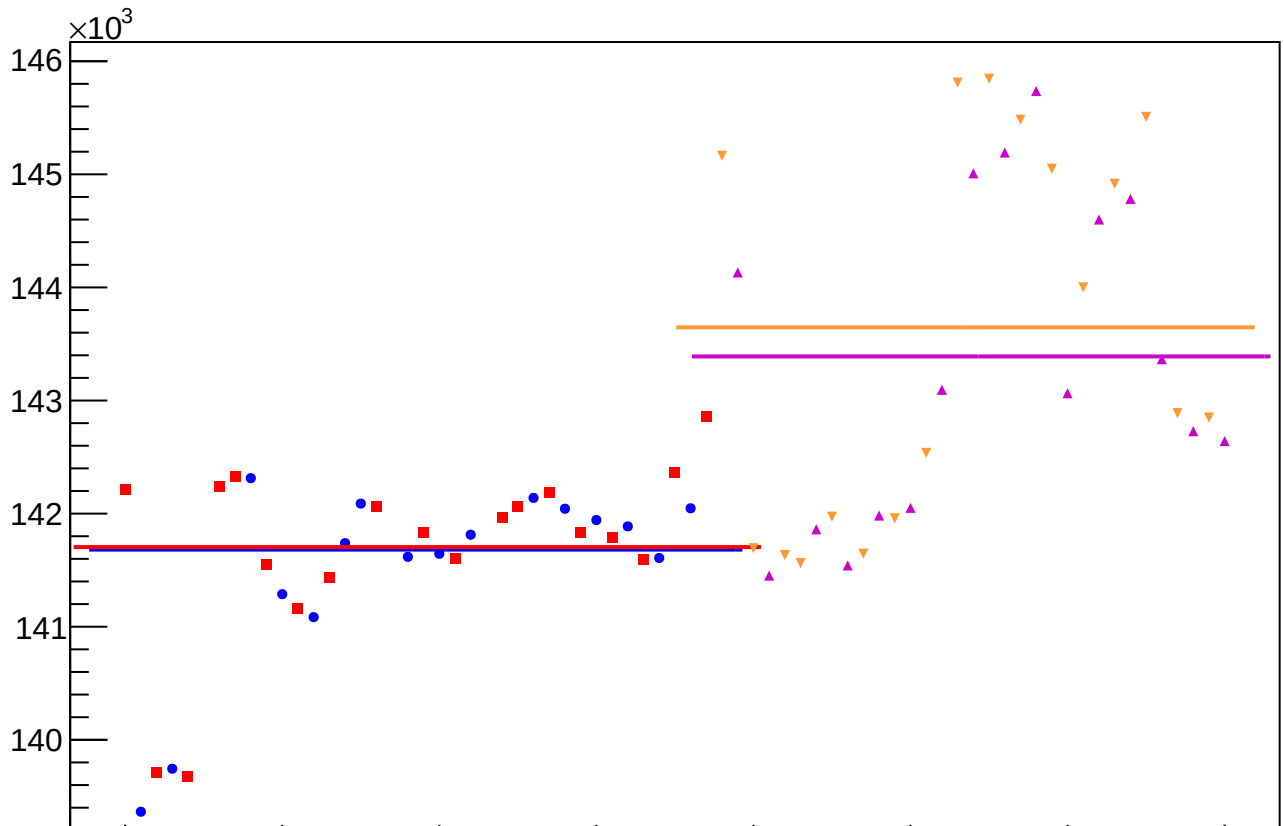
Left: 213.354+/-0.030 χ^2/NDF: 875125.7/32

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 194.696+/-0.032 χ^2/NDF:1943925.4/31

Out: 187.617+/-0.030 χ^2/NDF:2506974.9/35

All: 191.009+/-0.022 χ^2/NDF: 4476895.5/67



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143647.063+/-0.062 χ^2/NDF:711566317.7/16

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143389.784+/-0.062 χ^2/NDF:502390510.6/15

Left: 143518.526+/-0.044 χ^2/NDF: 1222540881.2/3

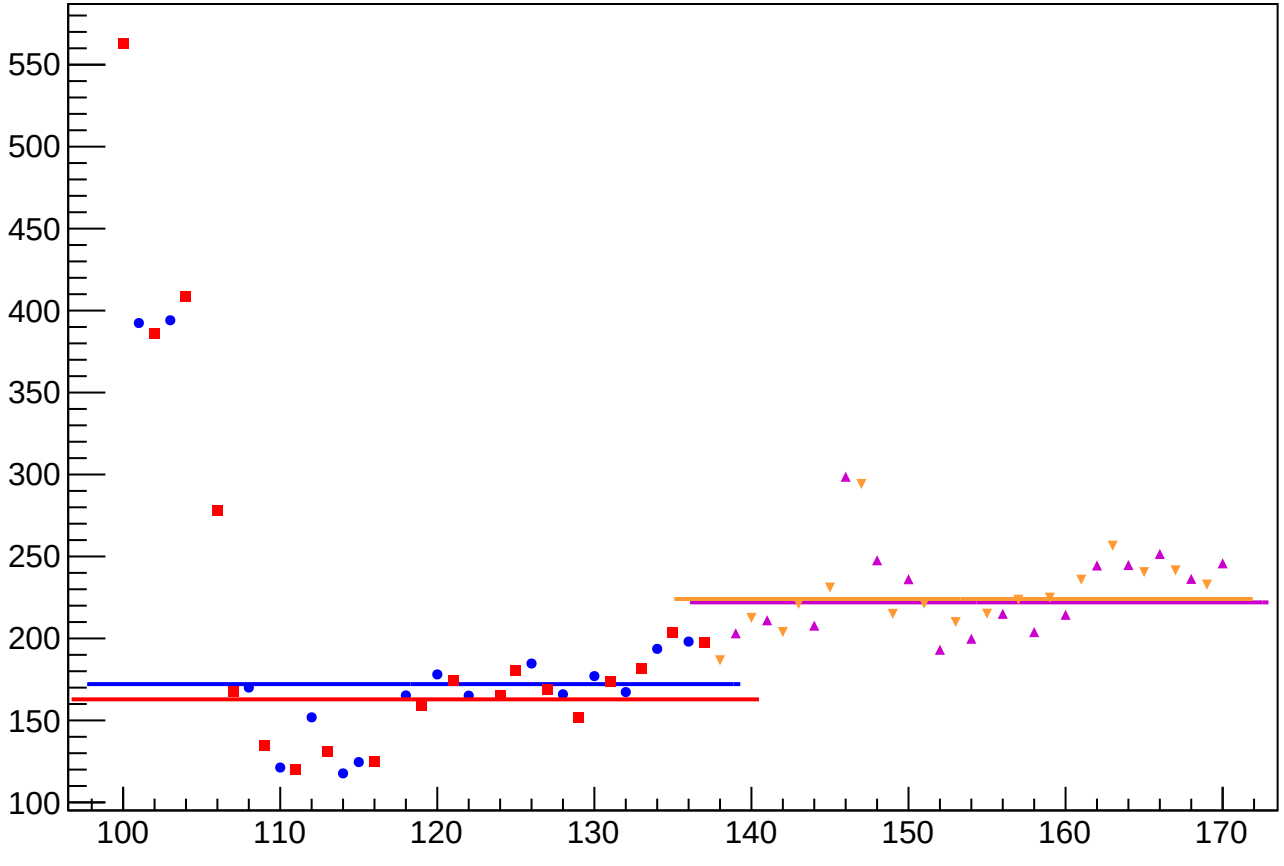
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142616.224+/-0.046 χ^2/NDF:909086315.3/31

Out: 142702.252+/-0.044 χ^2/NDF:1253579996.0/3

All: 142660.626+/-0.032 χ^2/NDF: 216447577

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 224.065+/-0.044 χ^2/NDF:229652.6/16

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 222.003+/-0.044 χ^2/NDF:302151.6/15

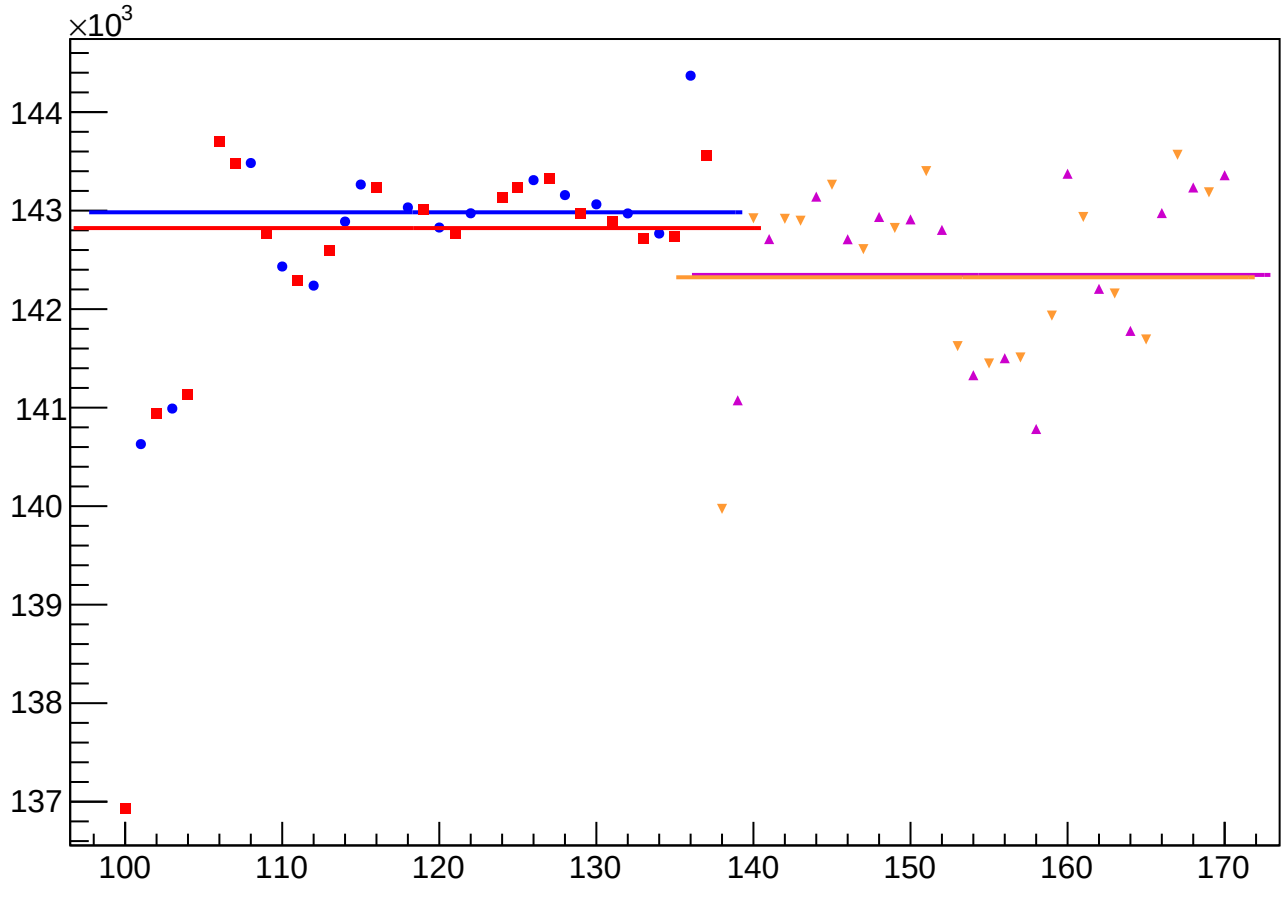
Left: 223.035+/-0.031 χ^2/NDF: 532906.5/32

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

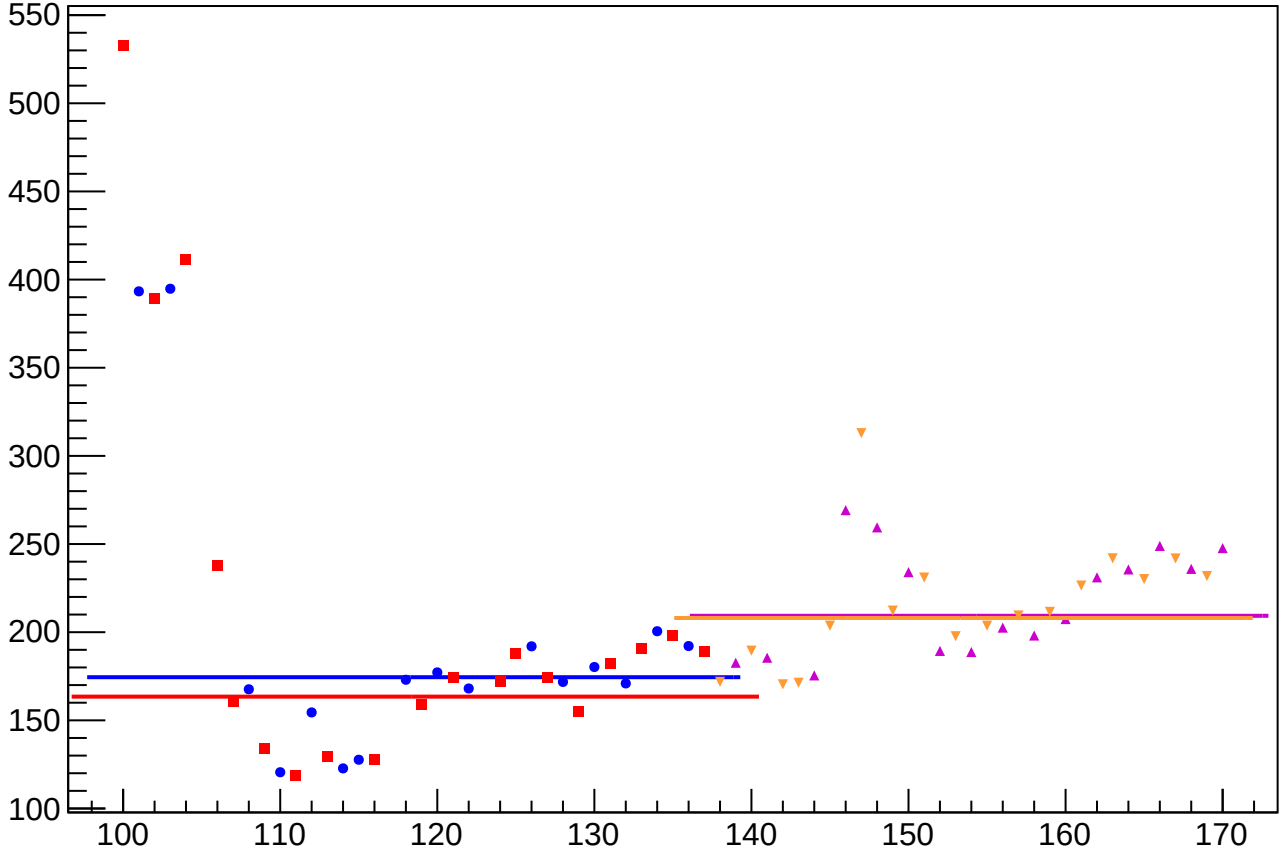
In: 199.419+/-0.032 χ^2/NDF:1954457.8/31

Out: 194.294+/-0.031 χ^2/NDF:2481697.0/35

All: 196.774+/-0.023 χ^2/NDF: 4448998.2/67


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
110
120
130
140
150
160
170
Right In: 142983.006+/-0.069 χ²/NDF: 107696217.2/15
Left Out: 142323.255+/-0.058 χ²/NDF:286338401.4/16
Right Out: 142822.727+/-0.064 χ²/NDF: 63581232.6/18
Left In: 142347.327+/-0.059 χ²/NDF:224025055.3/15
Left: 142335.142+/-0.041 χ²/NDF: 510448697.7/32
Right: 142896.762+/-0.047 χ²/NDF: 174171580.7/3
In: 142613.524+/-0.045 χ²/NDF:380896095.2/31
Out: 142548.090+/-0.043 χ²/NDF:383375641.1/35
All: 142579.493+/-0.031 χ²/NDF: 765385100

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 208.057+/-0.041 χ^2/NDF:506573.4/16

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 209.307+/-0.041 χ^2/NDF:460887.7/15

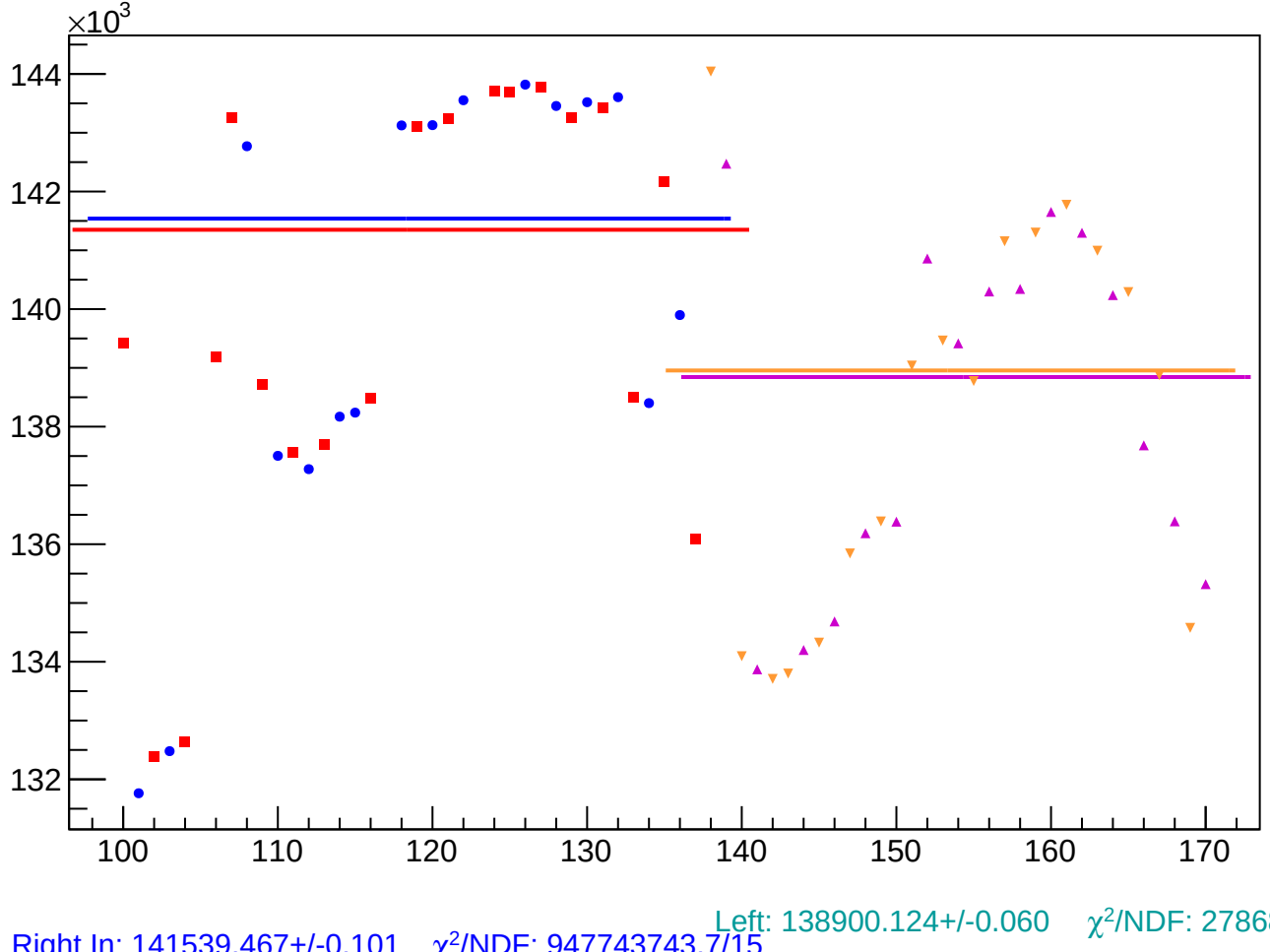
Left: 208.674+/-0.029 χ^2/NDF: 967920.7/32

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 194.717+/-0.032 χ^2/NDF:1805441.0/31

Out: 187.977+/-0.030 χ^2/NDF:2322801.3/35

All: 191.212+/-0.022 χ^2/NDF: 4151871.2/67



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138955.552+/-0.085 χ^2/NDF:1587182303.3/16

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138843.753+/-0.086 χ^2/NDF:1198808842.9/15

Left: 138900.124+/-0.060 χ^2/NDF: 2786850386.3/3

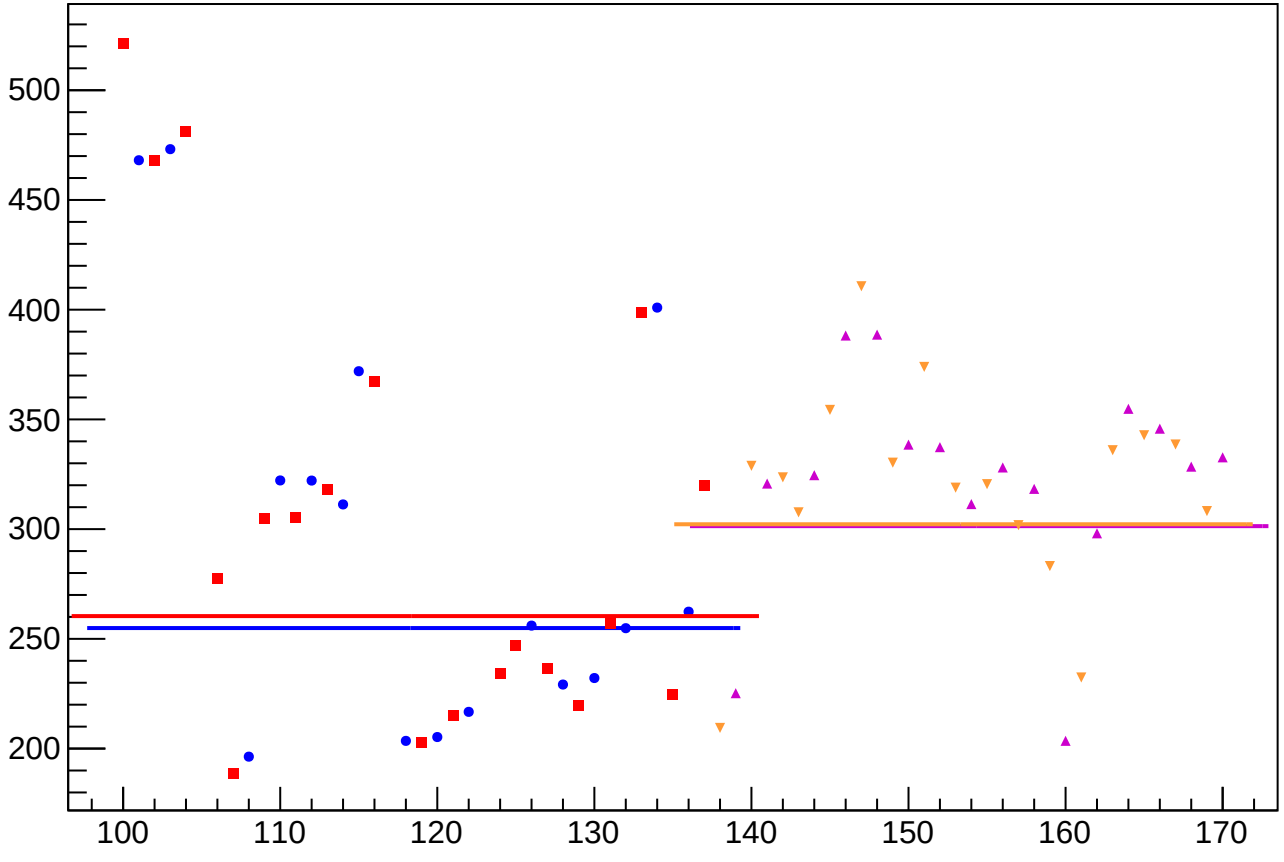
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139973.748+/-0.065 χ^2/NDF:2561865348.2/31

Out: 139946.422+/-0.065 χ^2/NDF:2842758010.5/3

All: 139960.031+/-0.046 χ^2/NDF: 54047113

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 302.218+/-0.060 χ^2/NDF:745826.9/16

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 301.361+/-0.061 χ^2/NDF:872297.7/15

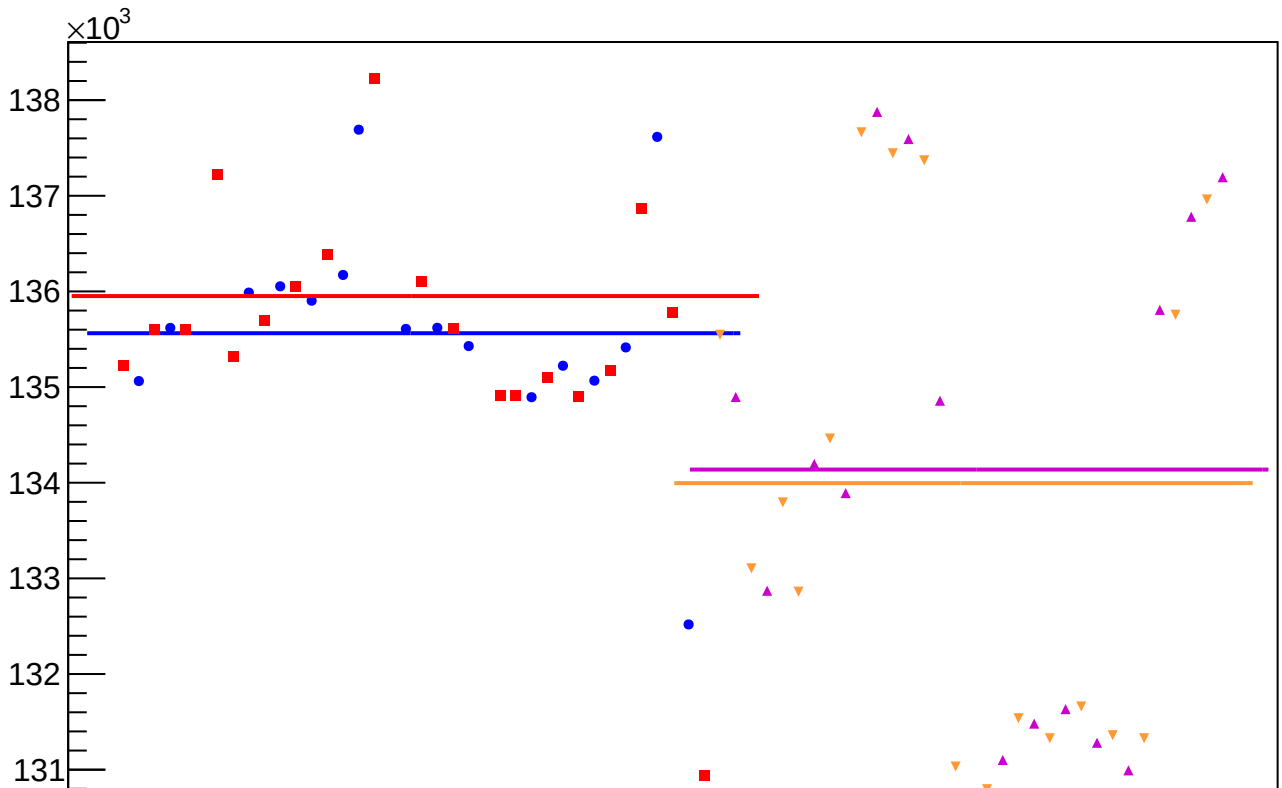
Left: 301.793+/-0.043 χ^2/NDF: 1618225.5/32

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 281.894+/-0.046 χ^2/NDF:2068787.4/31

Out: 284.896+/-0.046 χ^2/NDF:1940154.4/35

All: 283.401+/-0.033 χ^2/NDF: 4011066.2/67



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133995.817+/-0.074 χ^2/NDF:857805867.2/16

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134137.651+/-0.076 χ^2/NDF:817994060.2/15

Left: 134064.714+/-0.053 χ^2/NDF: 1677595074.9/3

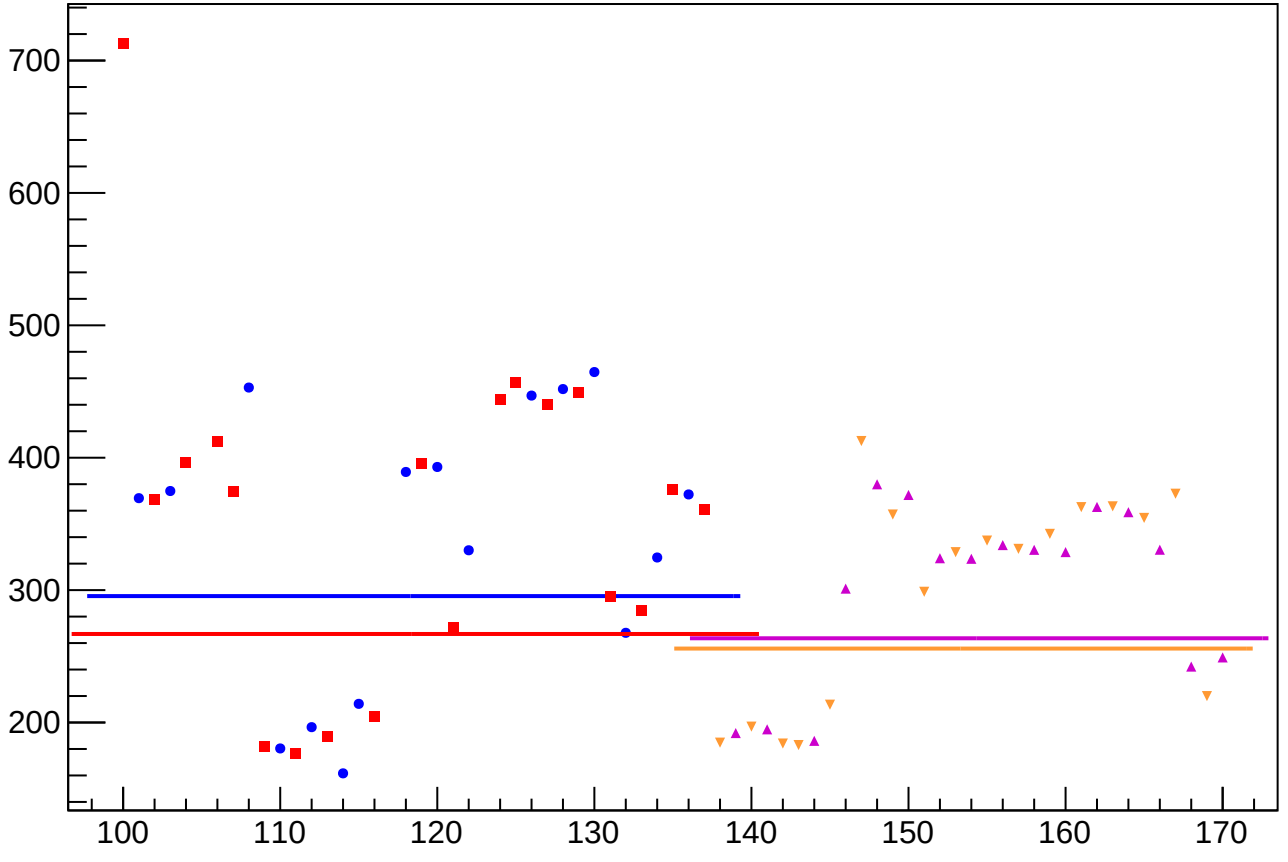
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134553.136+/-0.064 χ^2/NDF:1014932925.4/31

Out: 134631.203+/-0.061 χ^2/NDF:1177656823.3/3

All: 134594.223+/-0.044 χ^2/NDF: 219337532

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 255.847+/-0.052 χ^2/NDF:2149921.1/16

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 263.616+/-0.054 χ^2/NDF:1670461.9/15

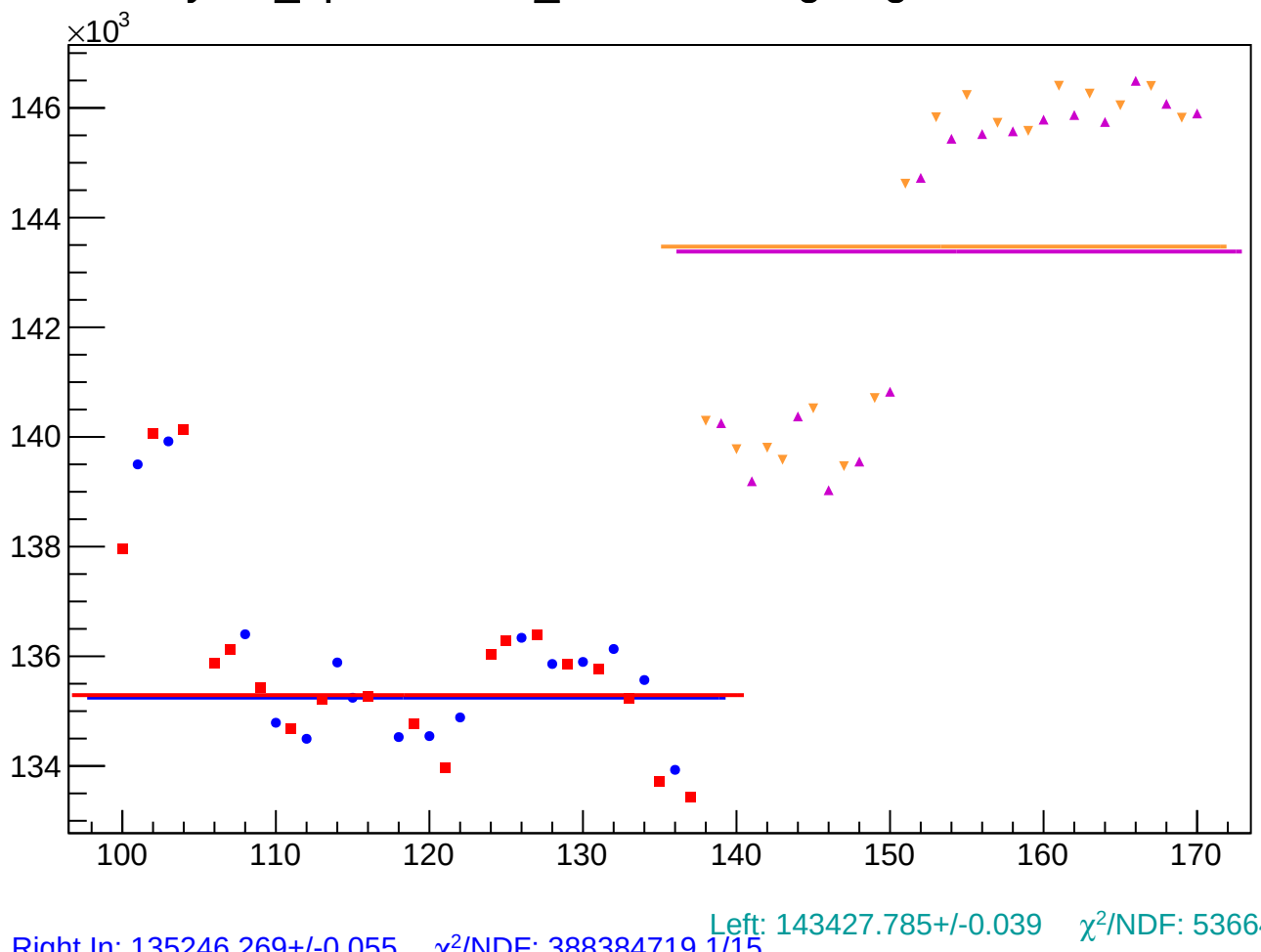
Left: 259.621+/-0.037 χ^2/NDF: 3831153.9/32

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 272.904+/-0.045 χ^2/NDF:3215714.2/31

Out: 259.426+/-0.043 χ^2/NDF:3842482.2/35

All: 265.811+/-0.031 χ^2/NDF: 7105025.2/67



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143471.051+/-0.054 χ^2/NDF:2843170933.4/16

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143380.918+/-0.057 χ^2/NDF:2521932853.7/15

Left: 143427.785+/-0.039 χ^2/NDF: 5366425806.4/3

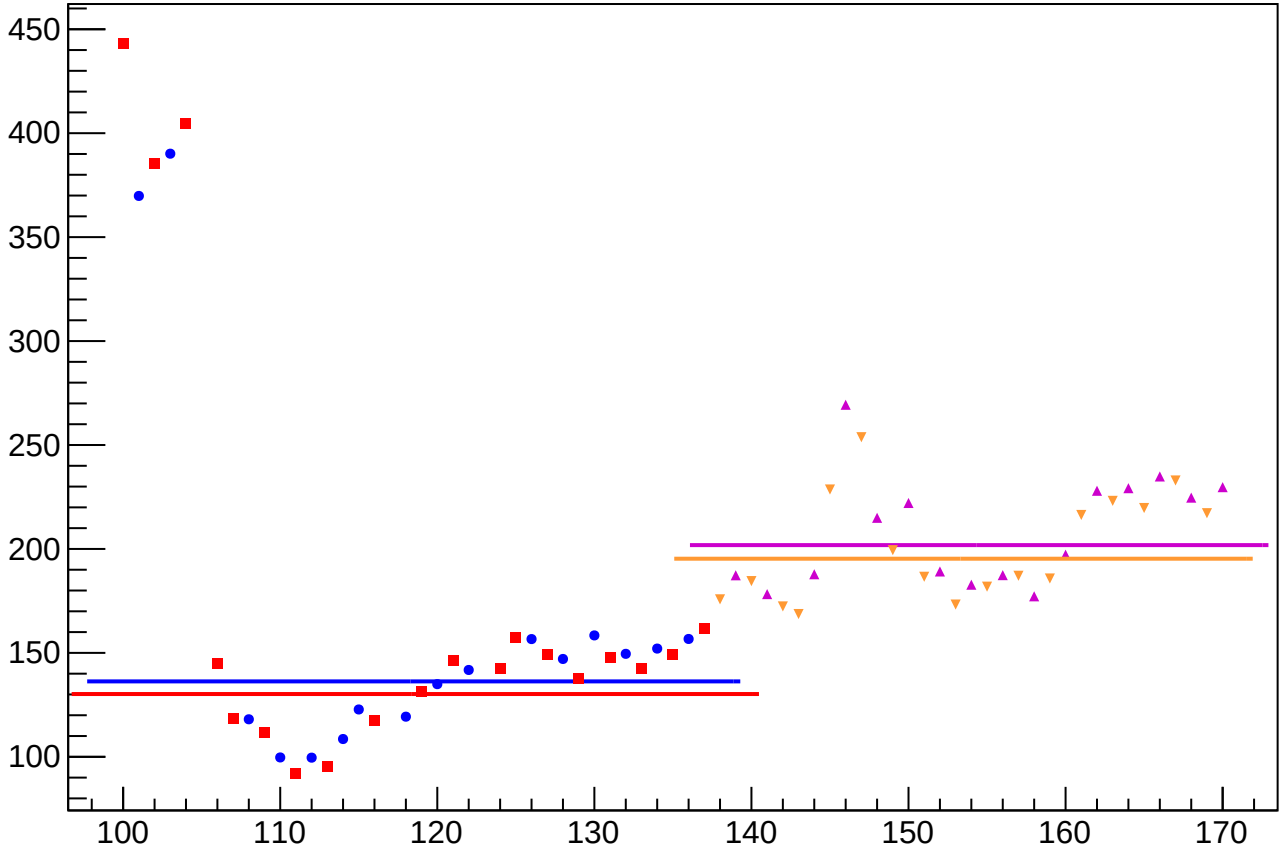
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139181.627+/-0.039 χ^2/NDF:13600923418.0/3

Out: 139183.933+/-0.037 χ^2/NDF:15111984007.3

All: 139182.836+/-0.027 χ^2/NDF: 28712909

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 195.304+/-0.038 χ^2/NDF:356610.2/16

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 201.845+/-0.040 χ^2/NDF:348623.1/15

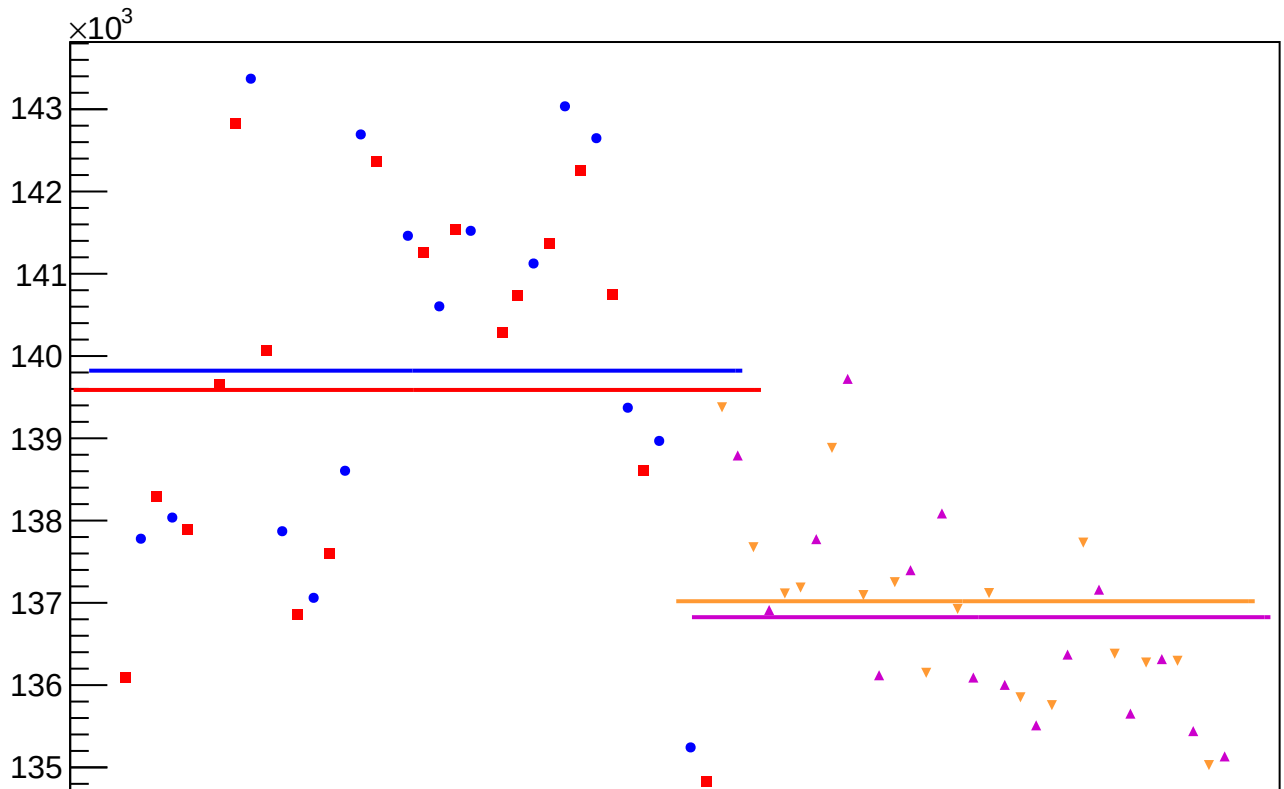
Left: 198.444+/-0.028 χ^2/NDF: 719156.5/32

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 168.001+/-0.028 χ^2/NDF:3121458.0/31

Out: 161.183+/-0.026 χ^2/NDF:3383446.0/35

All: 164.428+/-0.019 χ^2/NDF: 6536428.4/67



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137019.577+/-0.056 χ^2/NDF:385164270.7/16

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 136825.723+/-0.057 χ^2/NDF:440083240.4/15

Left: 136924.903+/-0.040 χ^2/NDF: 831095064.4/32

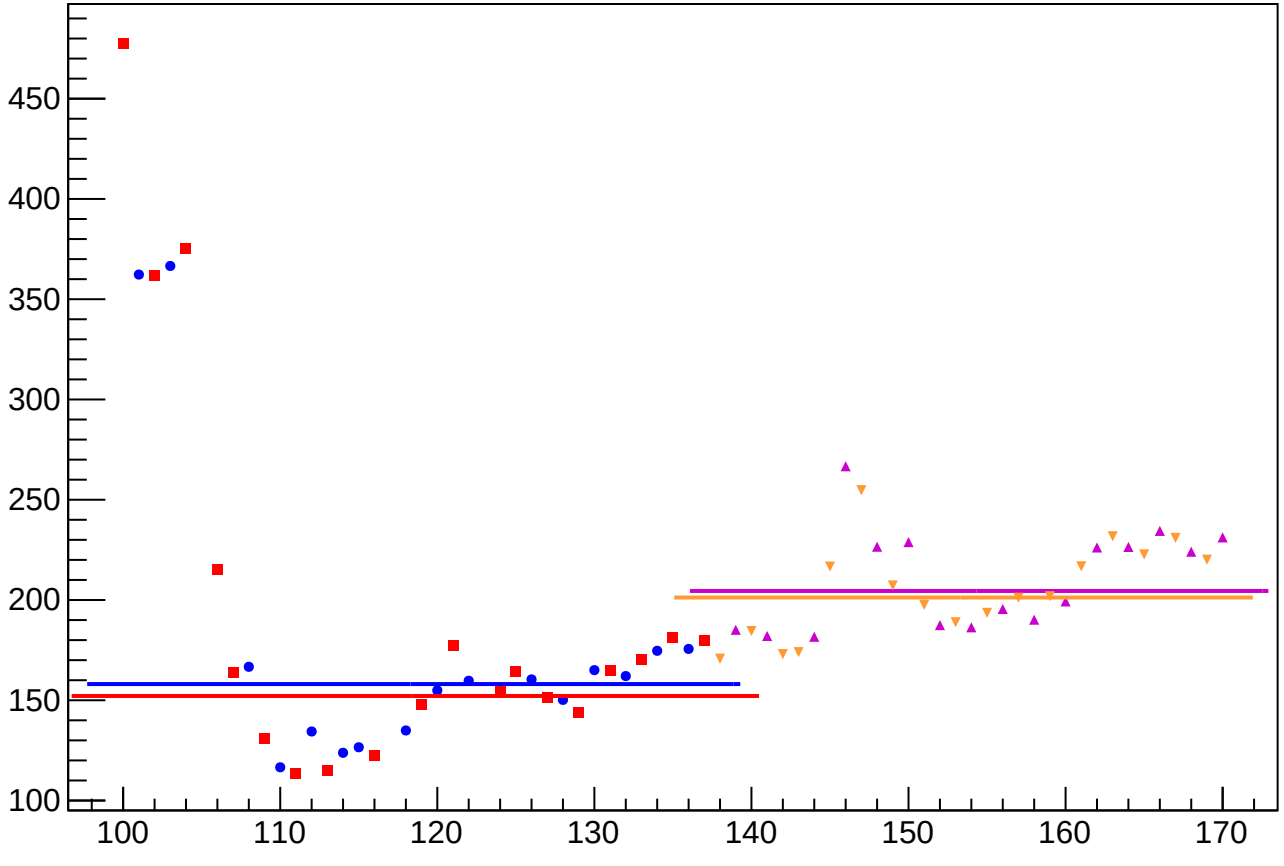
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138192.982+/-0.042 χ^2/NDF:3349481954.8/31

Out: 138221.638+/-0.041 χ^2/NDF:2851746881.7/3

All: 138207.799+/-0.029 χ^2/NDF: 62014663

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 201.243+/-0.040 χ^2/NDF:299433.3/16

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 204.503+/-0.041 χ^2/NDF:324336.2/15

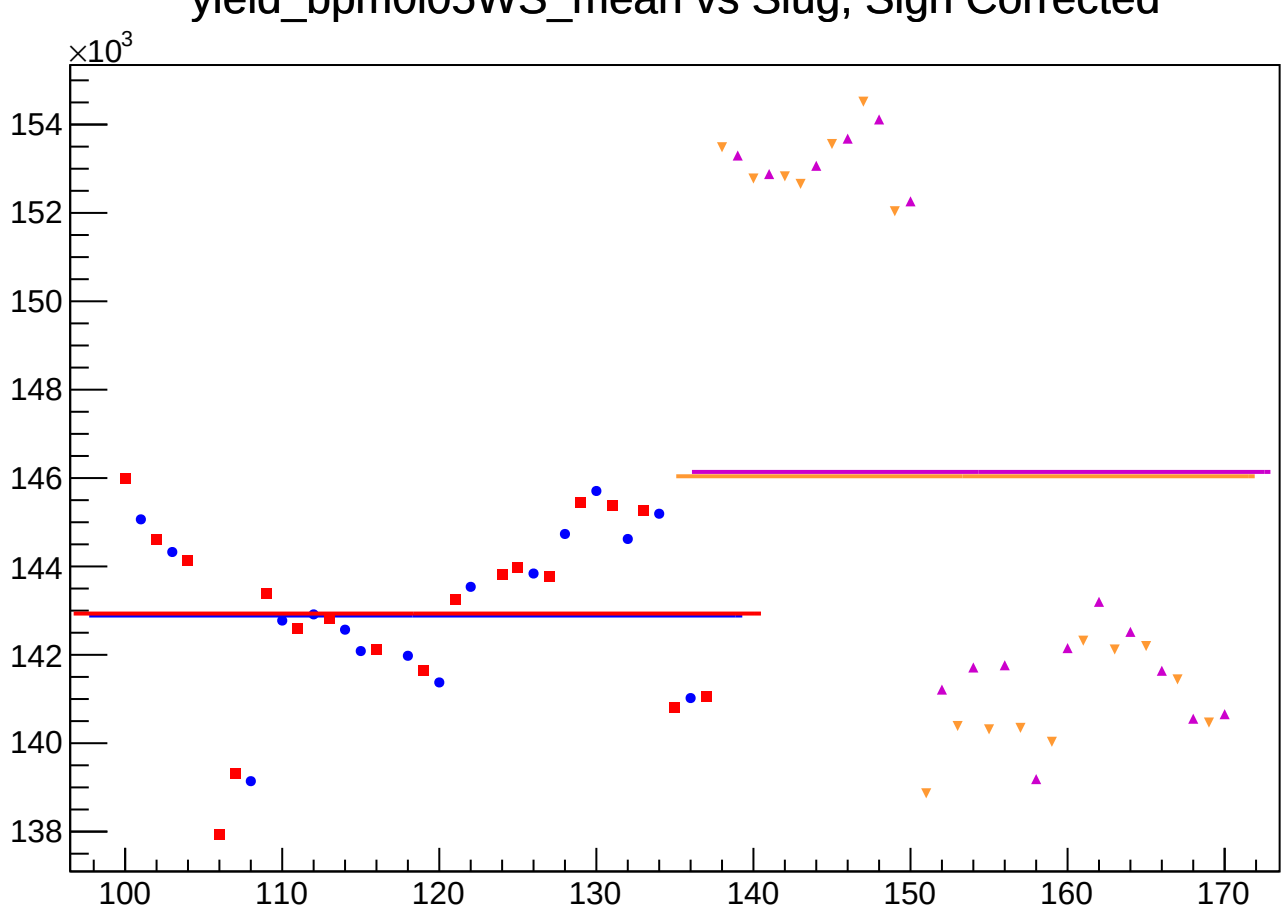
Left: 202.835+/-0.028 χ^2/NDF: 627077.2/32

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 183.320+/-0.030 χ^2/NDF:1940452.8/31

Out: 178.260+/-0.029 χ^2/NDF:2247628.8/35

All: 180.704+/-0.021 χ^2/NDF: 4202890.0/67



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146040.605+/-0.057 χ^2/NDF:11885386418.3/16

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 146139.114+/-0.058 χ^2/NDF:10238151119.1/15

Left: 146088.710+/-0.041 χ^2/NDF: 22125009522.0/

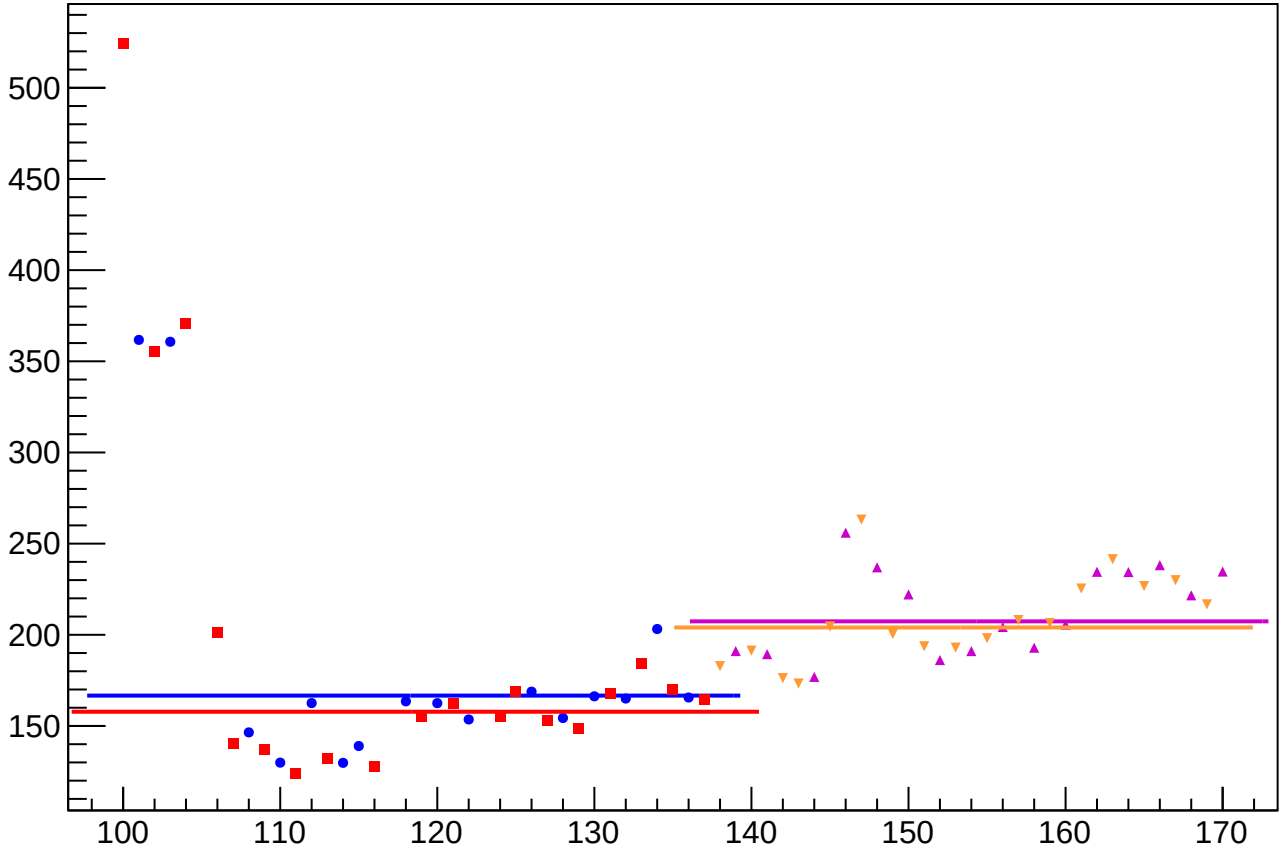
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144713.215+/-0.044 χ^2/NDF:12375186462.8/3

Out: 144613.085+/-0.042 χ^2/NDF:14050405663.7

All: 144661.041+/-0.030 χ^2/NDF: 26428351

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 204.017+/-0.040 χ^2/NDF:284850.2/16

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 207.372+/-0.041 χ^2/NDF:305060.8/15

Left: 205.655+/-0.029 χ^2/NDF: 593324.5/32

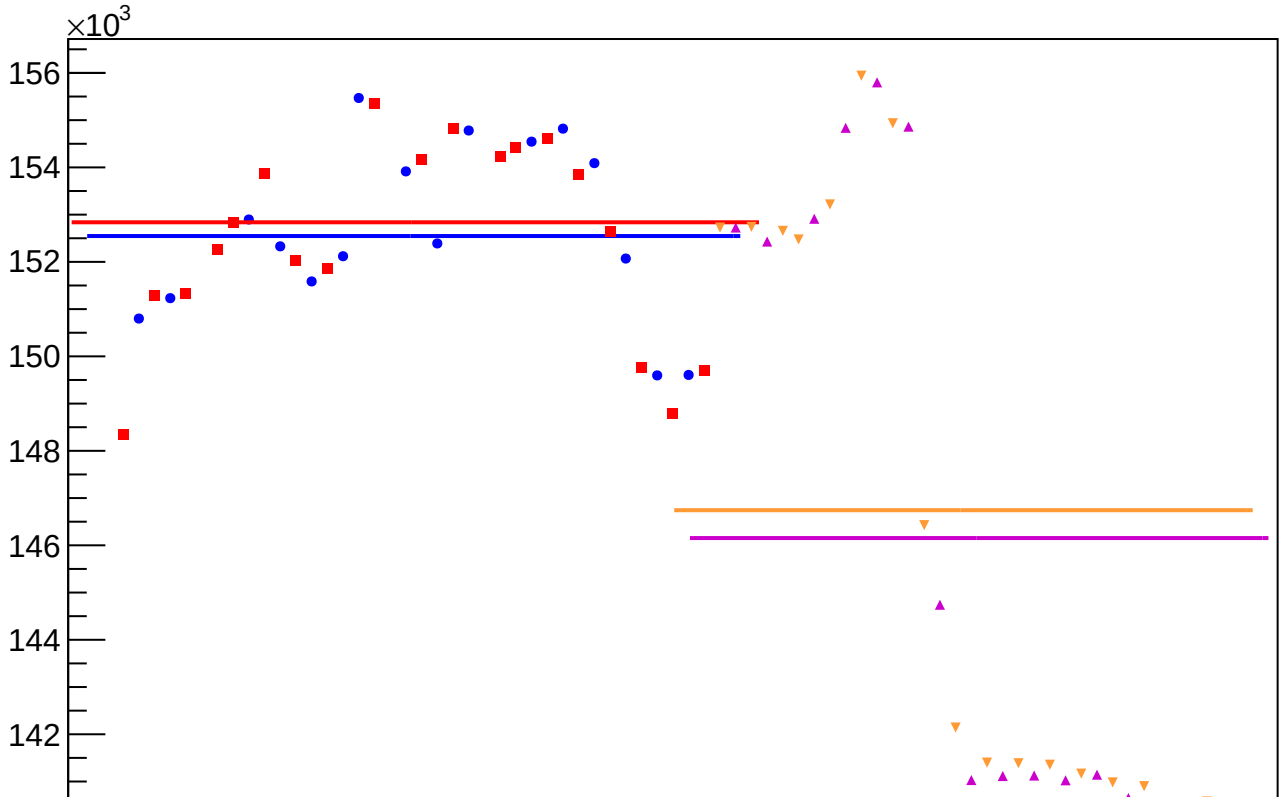
Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 189.507+/-0.031 χ^2/NDF:1599911.9/31

Out: 182.785+/-0.029 χ^2/NDF:1916725.0/35

All: 186.004+/-0.021 χ^2/NDF: 3541511.5/67

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146743.134+/-0.056 χ^2/NDF:10799391556.4/16

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

Left: 146454.567+/-0.040 χ^2/NDF: 21997469030.1

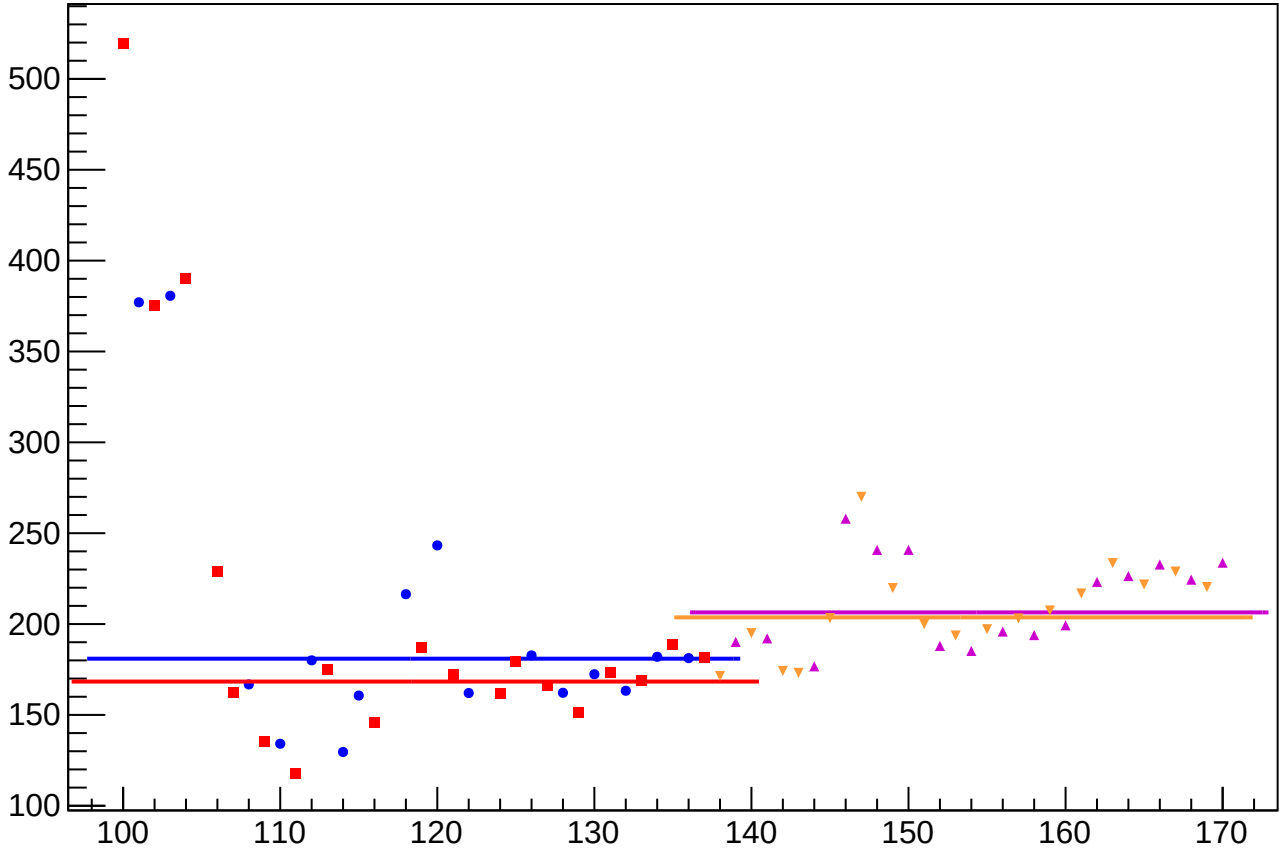
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 148625.949+/-0.045 χ^2/NDF:16553304013.8/3

Out: 149288.766+/-0.043 χ^2/NDF:16404253389.6

All: 148972.943+/-0.031 χ^2/NDF: 330703466

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 203.672+/-0.040 χ^2/NDF:315474.3/16

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 206.416+/-0.041 χ^2/NDF:329681.2/15

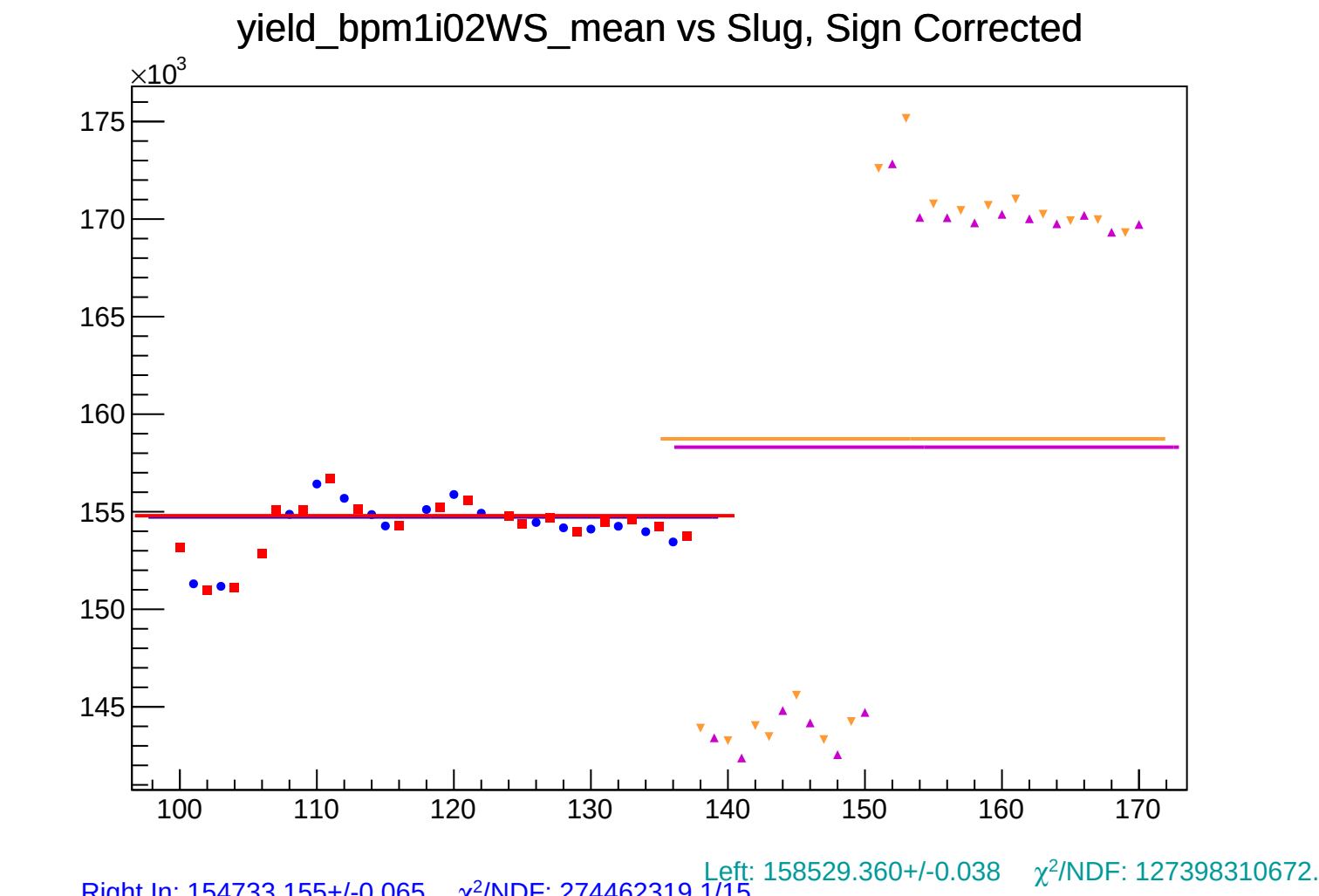
Left: 205.015+/-0.029 χ^2/NDF: 647468.6/32

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

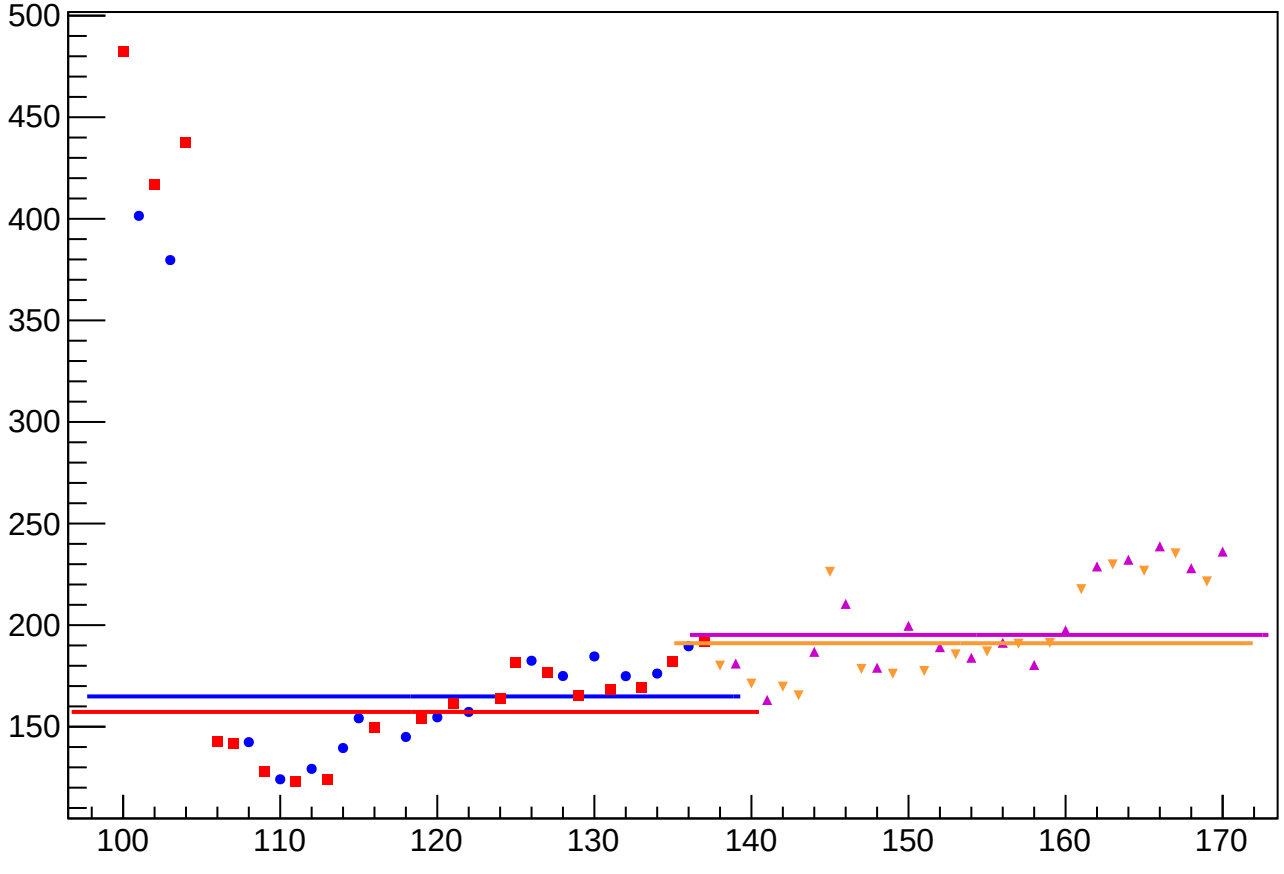
In: 196.564+/-0.032 χ^2/NDF:1388432.1/31

Out: 188.918+/-0.030 χ^2/NDF:1731581.2/35

All: 192.561+/-0.022 χ^2/NDF: 3150024.6/67


yield_bpm1i02WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
100
110
120
130
140
150
160
170
Right In: 154733.155+/-0.065 χ²/NDF: 274462319.1/15
Left Out: 158737.771+/-0.053 χ²/NDF:67232833945.8/16
Right Out: 154795.893+/-0.061 χ²/NDF: 304125082.4/18
Left In: 158309.123+/-0.054 χ²/NDF:60133536164.1/15
Left: 158529.360+/-0.038 χ²/NDF: 127398310672.
Right: 154766.574+/-0.045 χ²/NDF: 579080682.1/3
In: 156842.409+/-0.042 χ²/NDF:62182561973.9/3
Out: 157048.324+/-0.040 χ²/NDF:69918020065.3
All: 156949.839+/-0.029 χ²/NDF: 13211327

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 191.101+/-0.037 χ^2/NDF:340118.3/16

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 195.189+/-0.038 χ^2/NDF:312871.0/15

Left: 193.089+/-0.027 χ^2/NDF: 658797.8/32

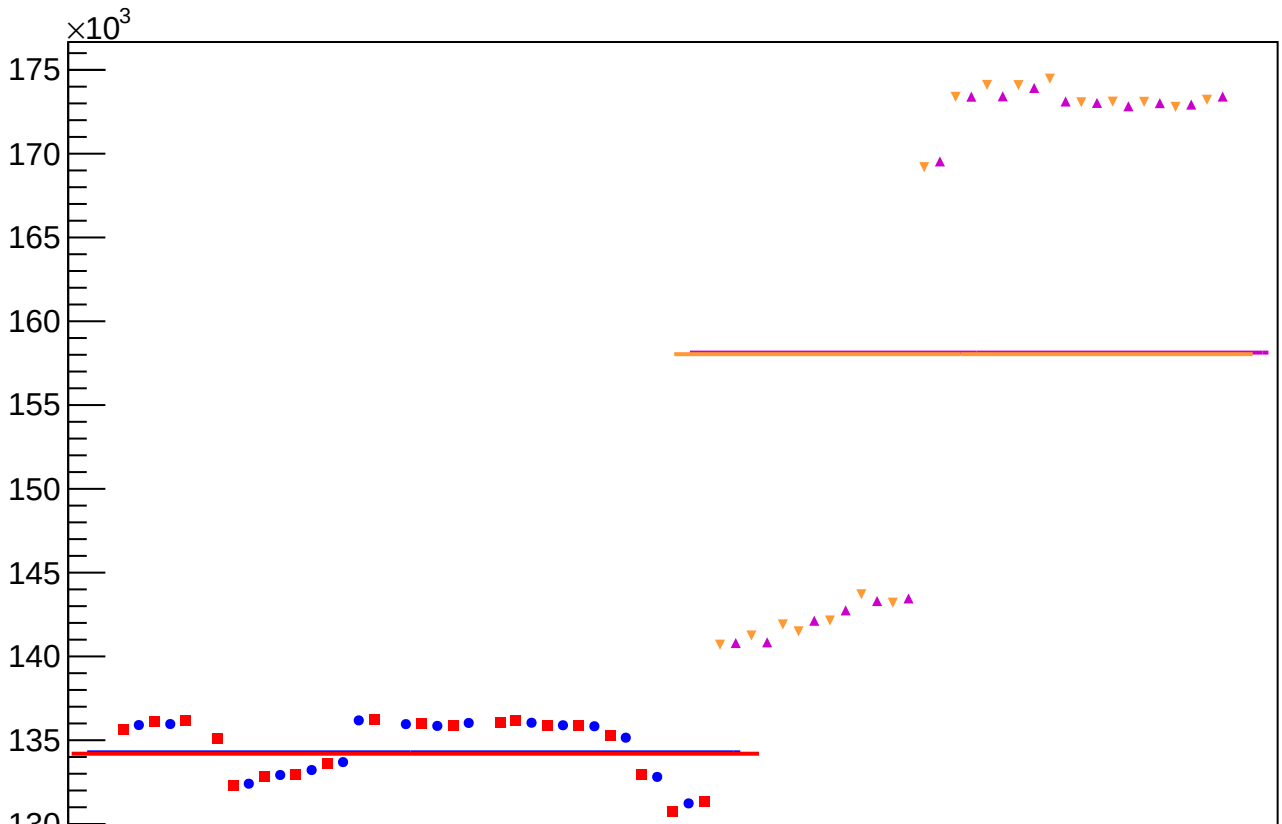
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 182.768+/-0.030 χ^2/NDF:1640113.8/31

Out: 176.607+/-0.028 χ^2/NDF:1945455.3/35

All: 179.554+/-0.020 χ^2/NDF: 3608288.1/67

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 158036.273+/-0.053 χ^2/NDF:83825516642.7/16

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 158130.161+/-0.055 χ^2/NDF:77231417932.8/15

Left: 158081.681+/-0.038 χ^2/NDF: 161058424498.

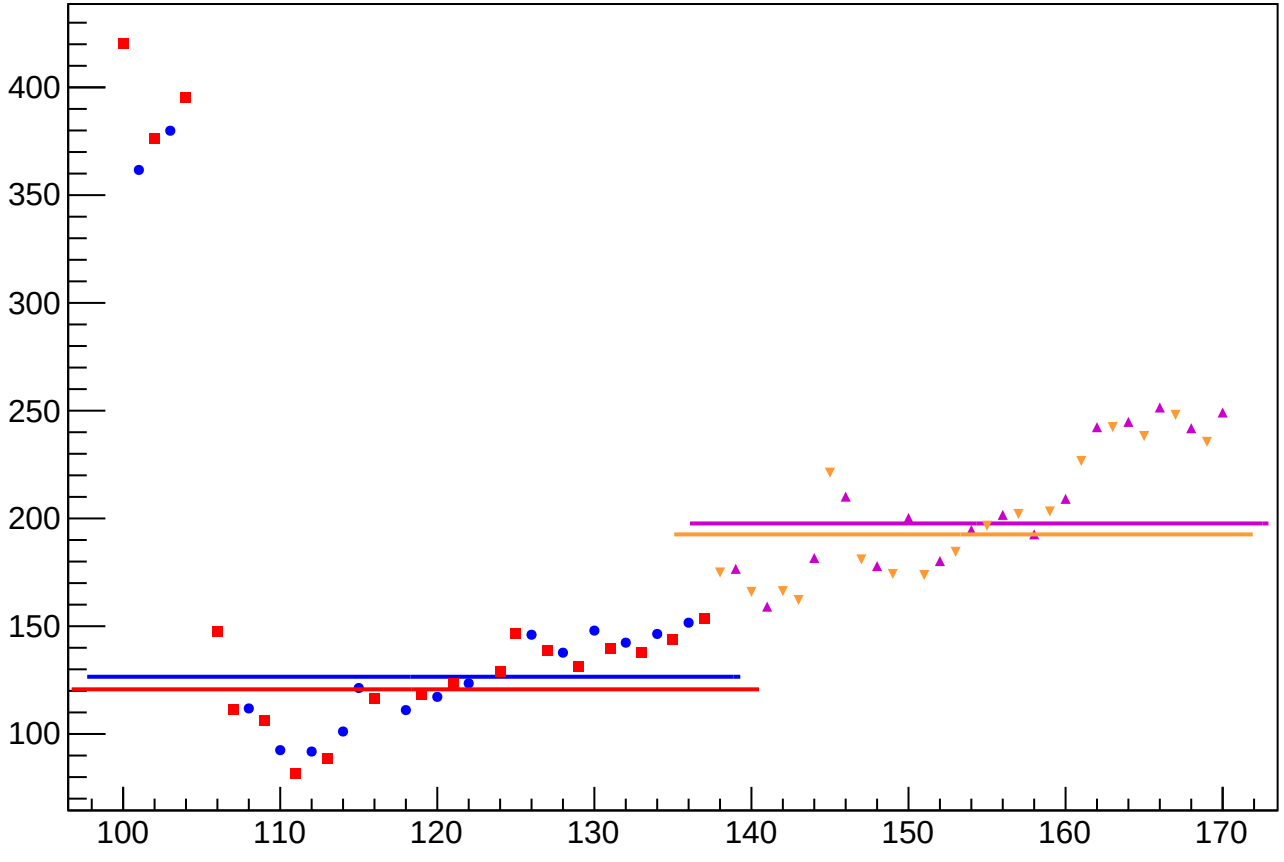
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 145205.095+/-0.037 χ^2/NDF:179295485570.3

Out: 144823.167+/-0.036 χ^2/NDF:195123200705.

All: 145005.270+/-0.026 χ^2/NDF: 37447321

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 192.596+/-0.038 χ^2/NDF:504955.5/16

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 197.675+/-0.039 χ^2/NDF:467372.0/15

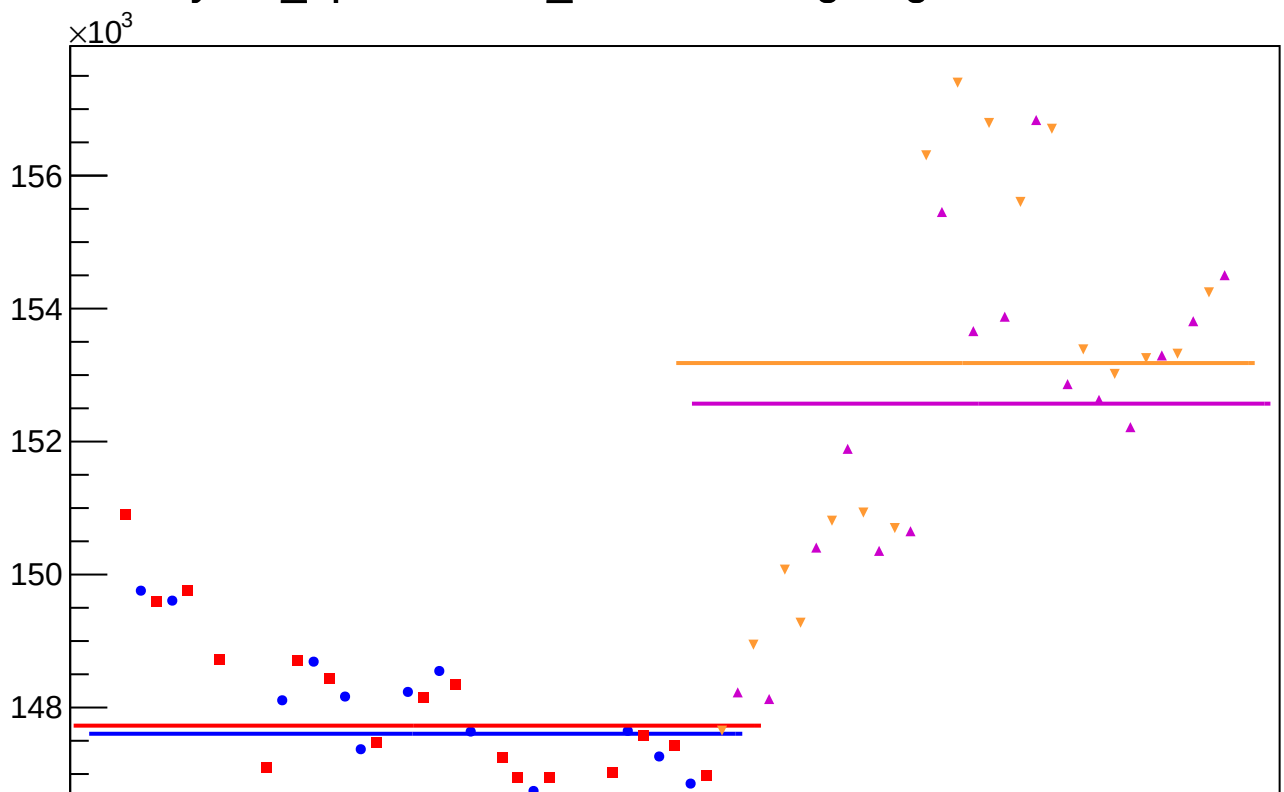
Left: 195.053+/-0.027 χ^2/NDF: 981050.1/32

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 159.137+/-0.026 χ^2/NDF:3739232.6/31

Out: 152.763+/-0.025 χ^2/NDF:4138762.3/35

All: 155.802+/-0.018 χ^2/NDF: 7908375.0/67



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153180.970+/-0.058 χ^2/NDF:2928705775.1/16

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152570.208+/-0.059 χ^2/NDF:1808793213.9/15

Left: 152882.428+/-0.041 χ^2/NDF: 4792324012.1/3

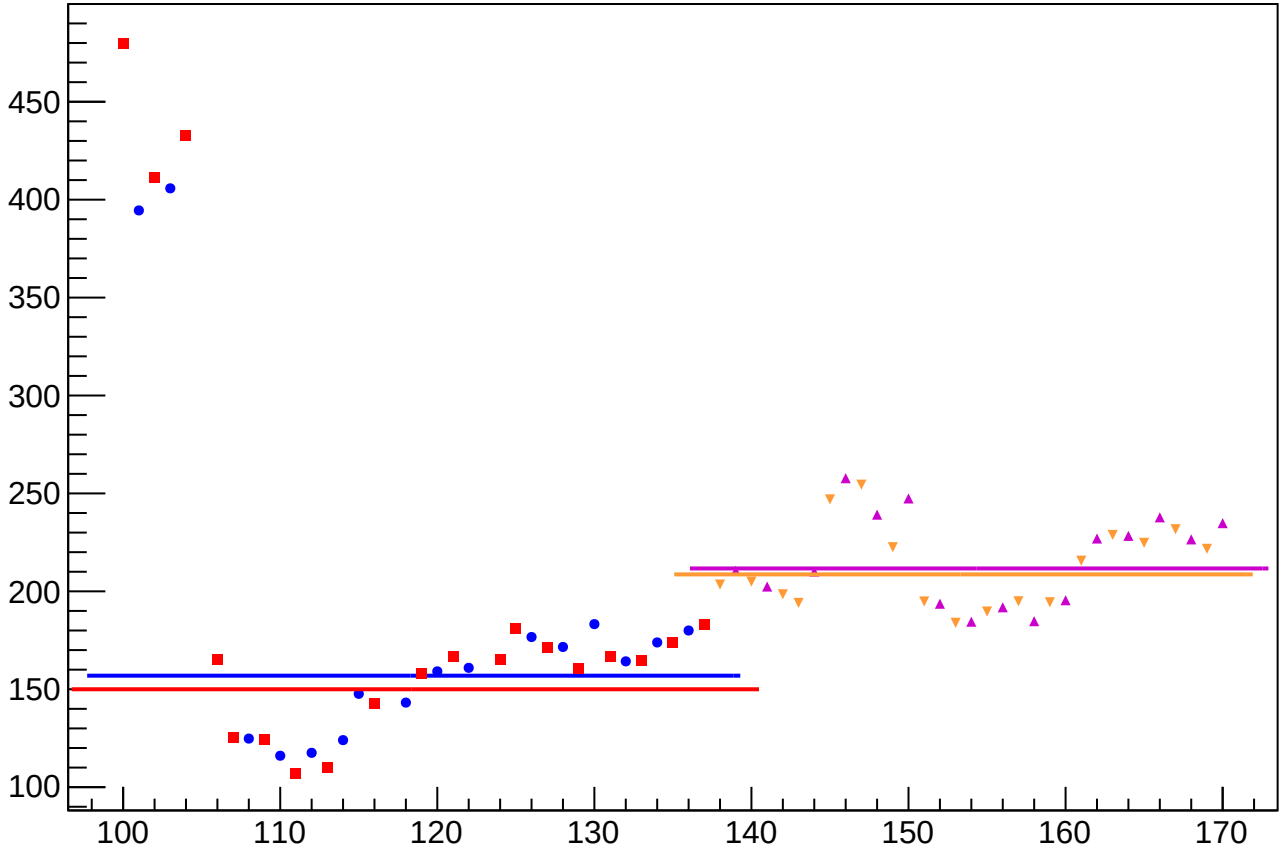
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150230.771+/-0.043 χ^2/NDF:5348499494.5/31

Out: 150513.322+/-0.041 χ^2/NDF:7497676288.5/3

All: 150377.648+/-0.030 χ^2/NDF: 12868740

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 208.655+/-0.041 χ^2/NDF:224174.5/16

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 211.686+/-0.042 χ^2/NDF:286780.5/15

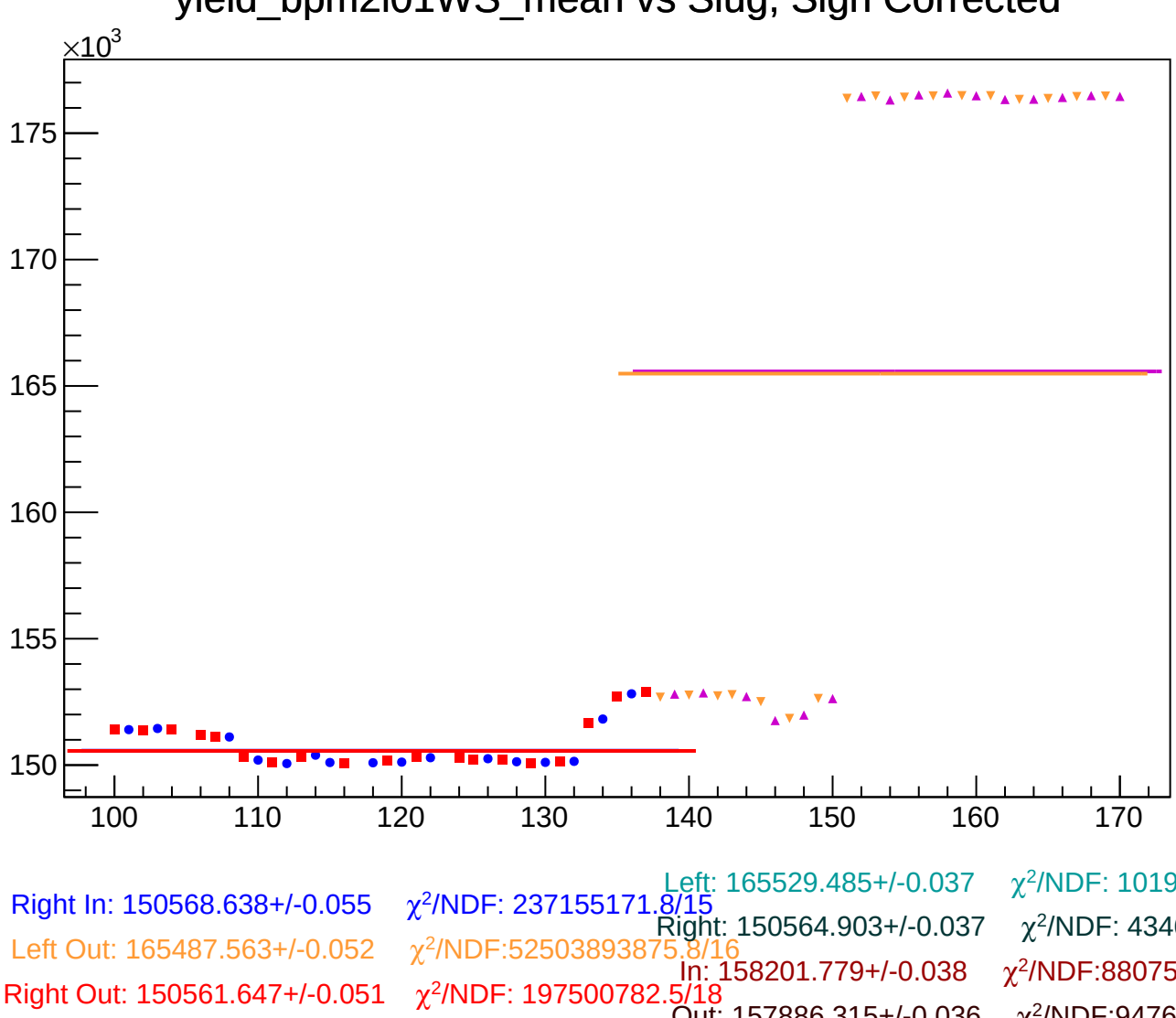
Left: 210.136+/-0.029 χ^2/NDF: 513654.6/32

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

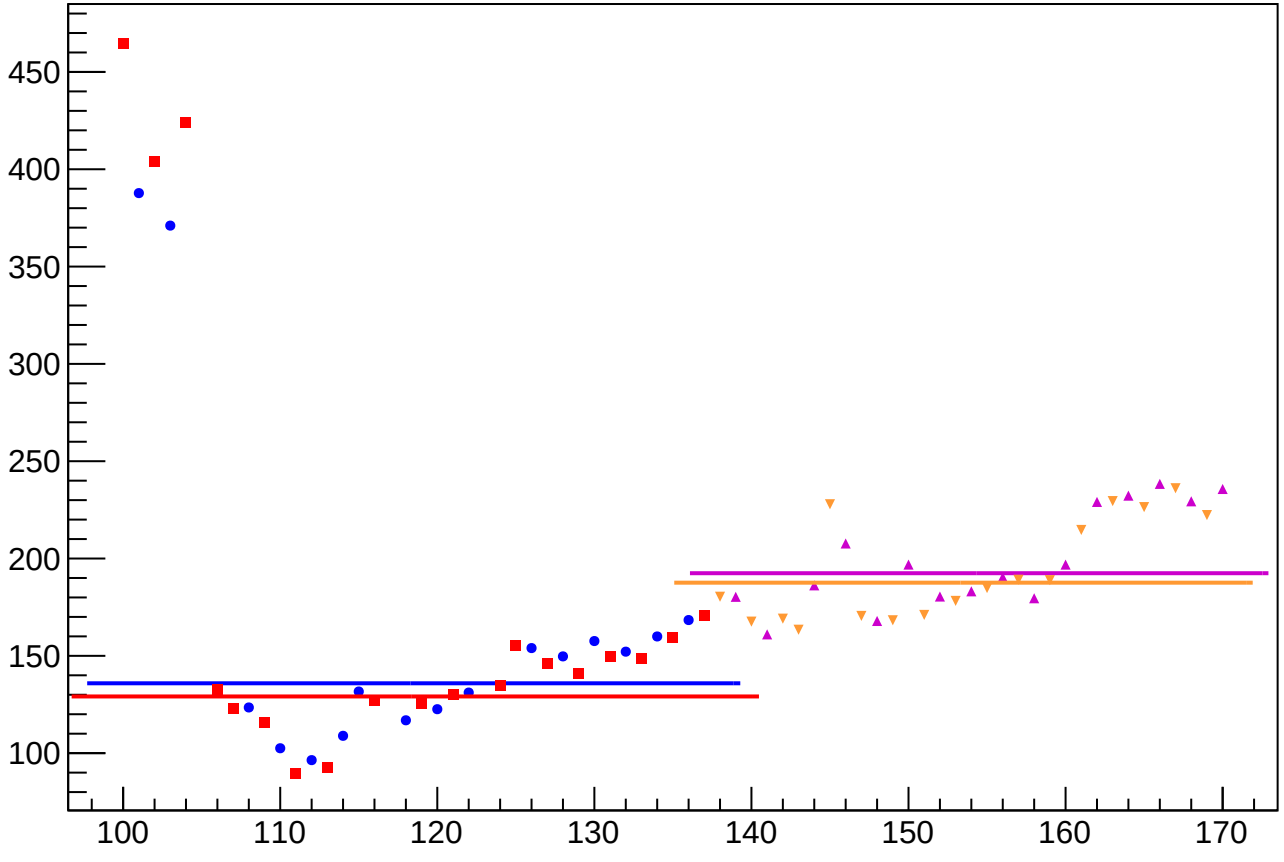
In: 185.882+/-0.030 χ^2/NDF:2365018.5/31

Out: 179.960+/-0.029 χ^2/NDF:2690372.4/35

All: 182.803+/-0.021 χ^2/NDF: 5075218.6/67


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 165487.563+/-0.052 χ²/NDF:52503893875.8/16
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 165574.255+/-0.054 χ²/NDF:49432437926.3/15
Left: 165529.485+/-0.037 χ²/NDF: 101937679194.
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 158201.779+/-0.038 χ²/NDF:88075961683.3/3
Out: 157886.315+/-0.036 χ²/NDF:94764175140.7
All: 158036.039+/-0.026 χ²/NDF: 18287582

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 187.590+/-0.037 χ^2/NDF:405299.1/16

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 192.456+/-0.038 χ^2/NDF:361382.9/15

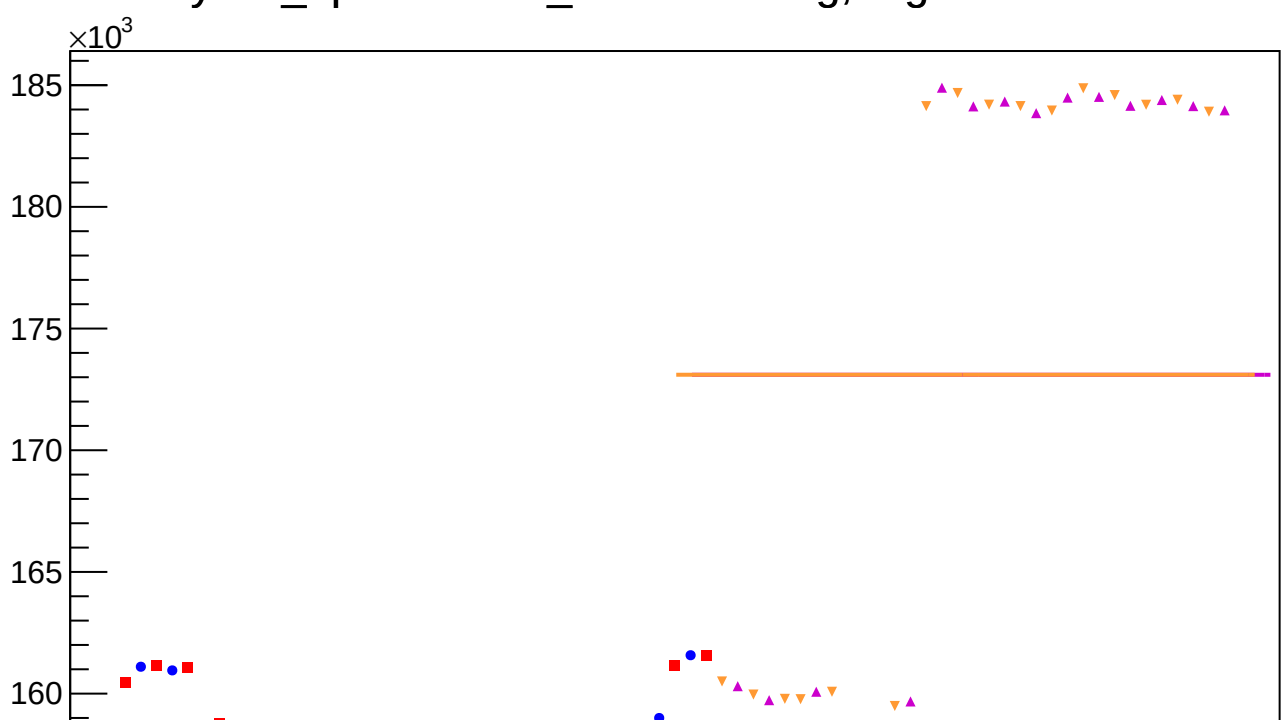
Left: 189.943+/-0.026 χ^2/NDF: 775170.5/32

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 164.667+/-0.027 χ^2/NDF:2868993.8/31

Out: 157.819+/-0.026 χ^2/NDF:3310105.4/35

All: 161.069+/-0.019 χ^2/NDF: 6212733.5/67



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 173102.336+/-0.054 χ^2/NDF:52715871920.2/16

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 173100.537+/-0.055 χ^2/NDF:50400277749.6/15

Left: 173101.464+/-0.039 χ^2/NDF: 103116150213.

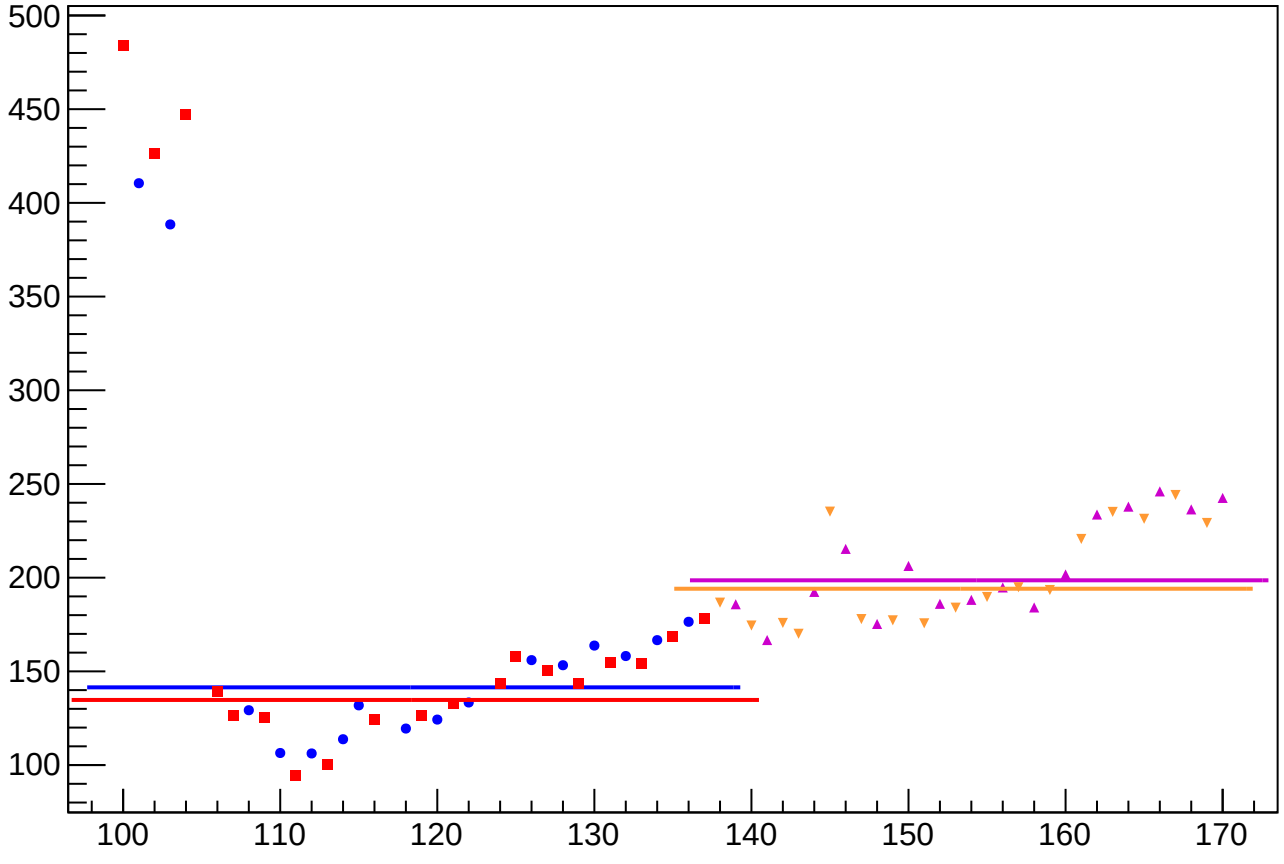
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 165003.415+/-0.040 χ^2/NDF:95590974597.1/3

Out: 164690.191+/-0.038 χ^2/NDF:102340934598.

All: 164839.195+/-0.027 χ^2/NDF: 19796462

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 194.095+/-0.038 χ^2/NDF:378112.3/16

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 198.589+/-0.039 χ^2/NDF:349126.1/15

Left: 196.274+/-0.027 χ^2/NDF: 734027.3/32

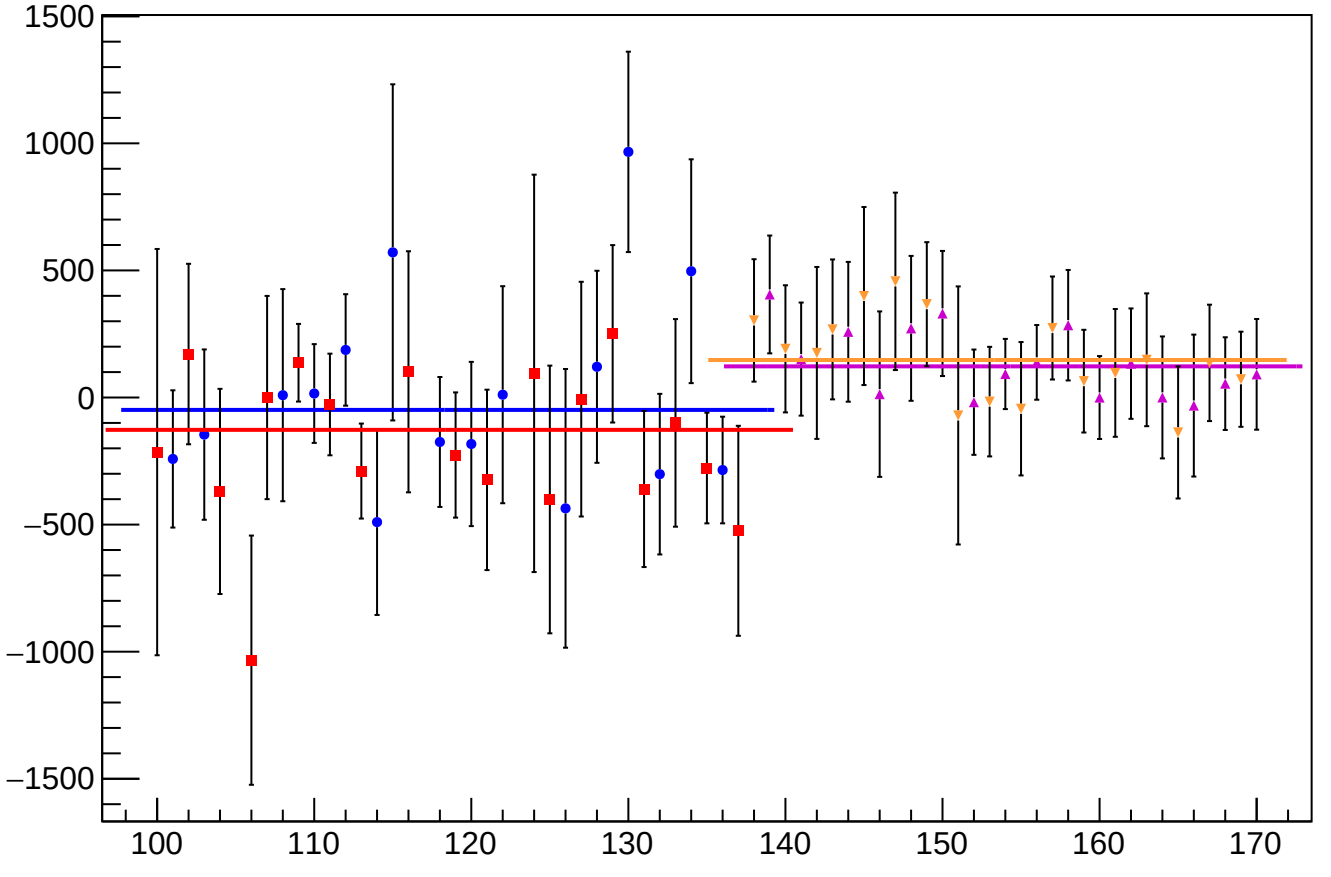
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 170.765+/-0.028 χ^2/NDF:2777853.3/31

Out: 164.095+/-0.027 χ^2/NDF:3191445.9/35

All: 167.268+/-0.019 χ^2/NDF: 5998969.1/67

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 147.522+/-60.856 χ^2/NDF:6.0/16

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 122.538+/-51.731 χ^2/NDF:5.2/15

Left: 133.018+/-39.415 χ^2/NDF: 11.3/32

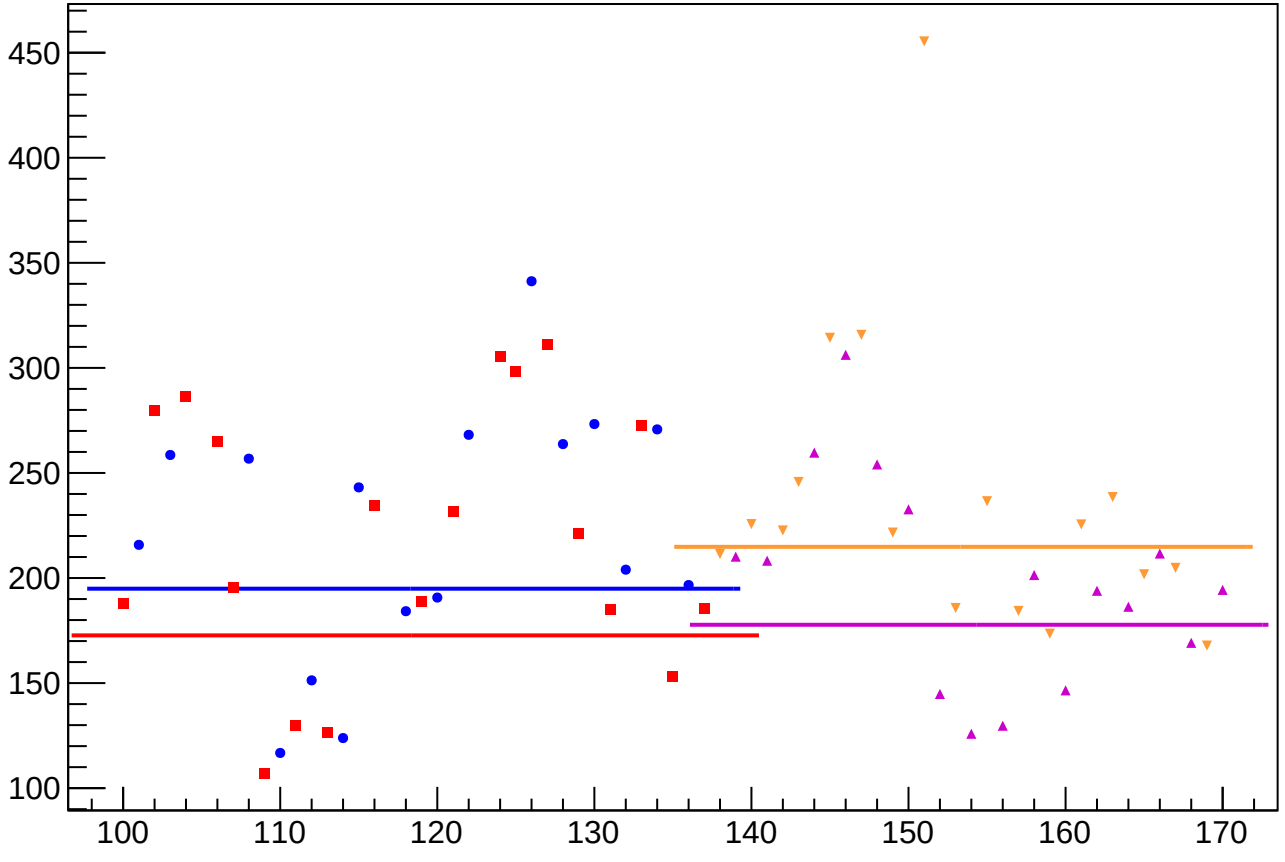
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.879+/-42.869 χ^2/NDF:24.1/31

Out: 26.328+/-45.497 χ^2/NDF:27.9/35

All: 48.868+/-31.201 χ^2/NDF: 52.4/67

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 214.843+/-0.043 χ^2/NDF:1143392.5/16

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.752+/-0.037 χ^2/NDF:1511104.1/15

Left: 193.310+/-0.028 χ^2/NDF: 3085795.7/32

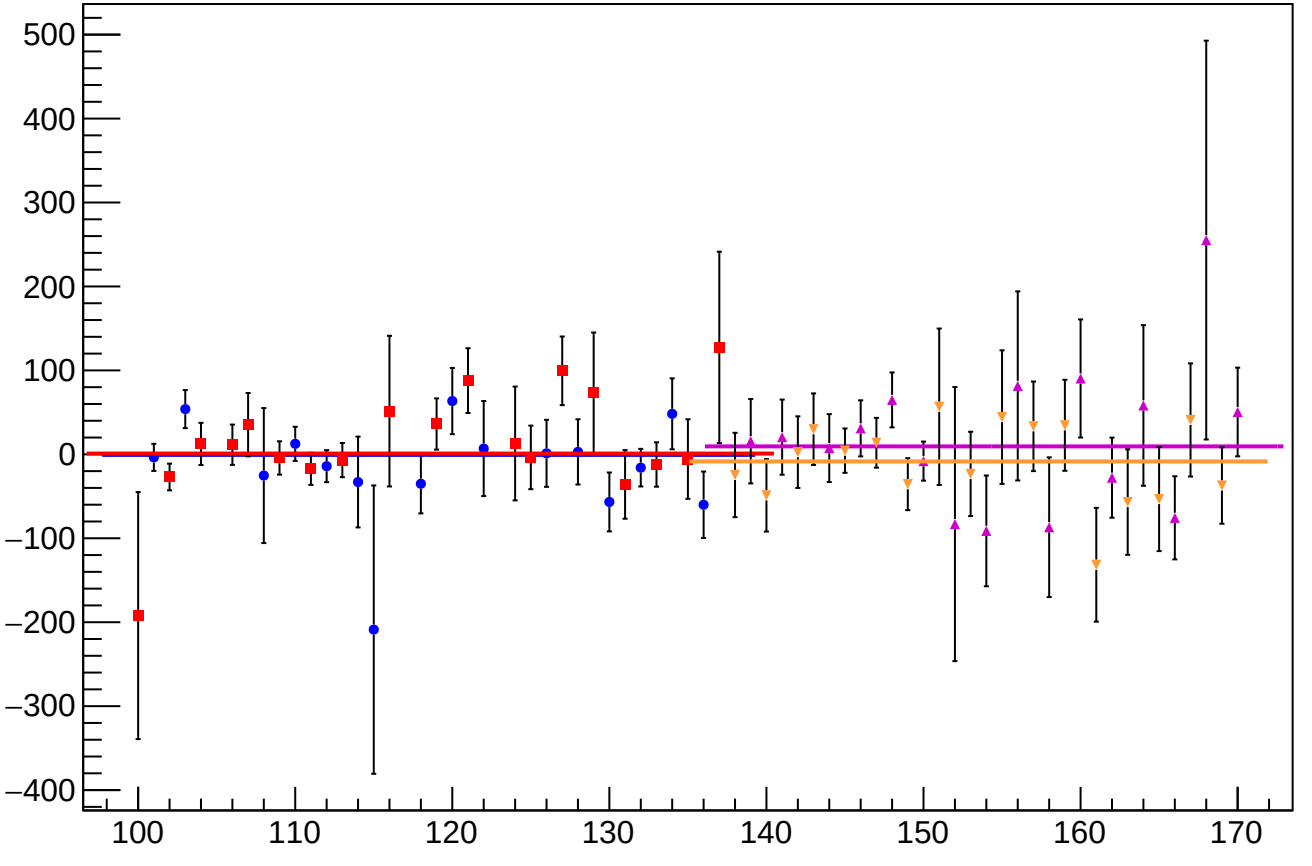
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.131+/-0.030 χ^2/NDF:2609035.7/31

Out: 196.256+/-0.032 χ^2/NDF:3197697.7/35

All: 189.304+/-0.022 χ^2/NDF: 5894909.3/67

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.431+/-10.885 χ^2/NDF:11.0/16

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 9.468+/-11.776 χ^2/NDF:15.1/15

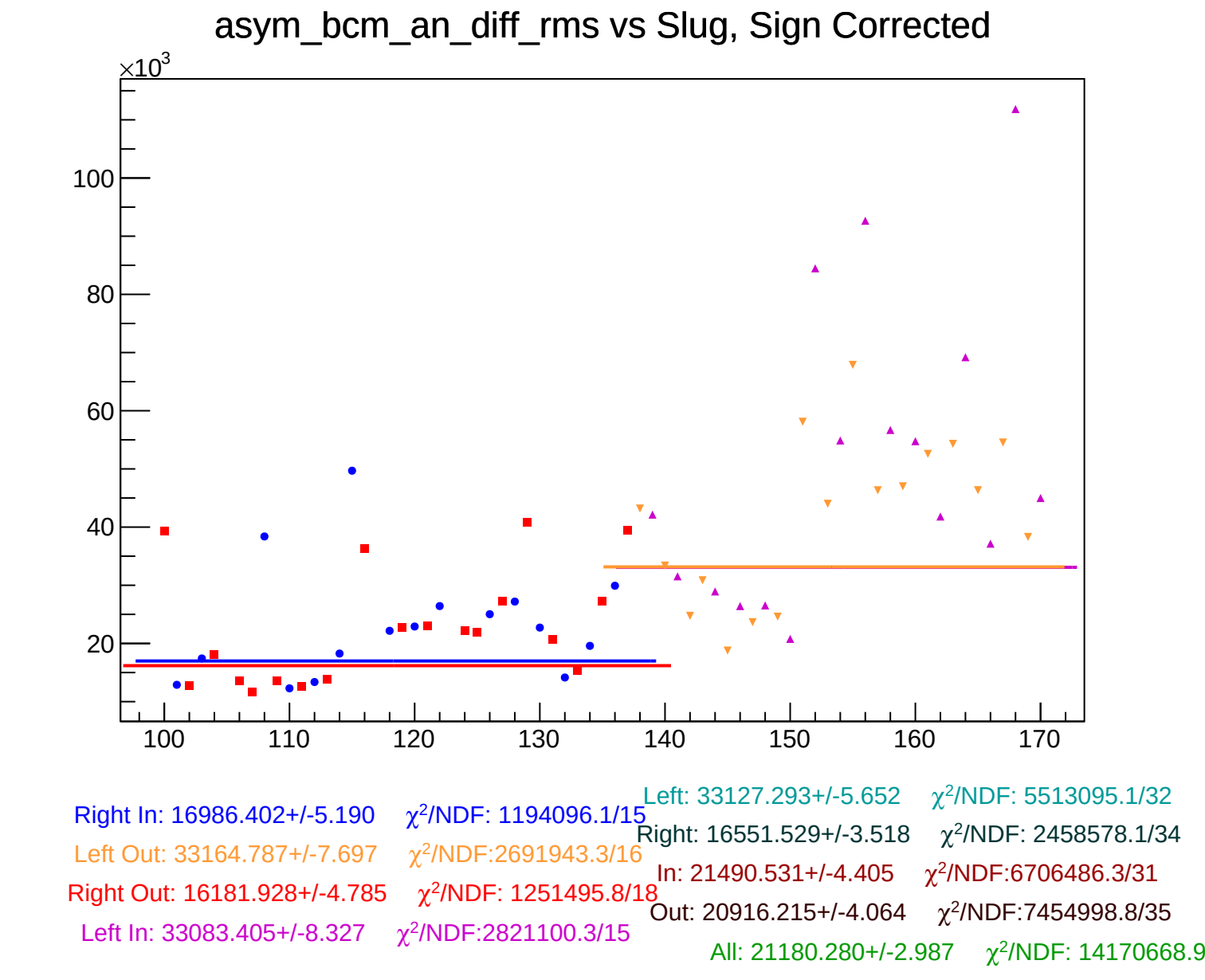
Left: -0.184+/-7.993 χ^2/NDF: 27.4/32

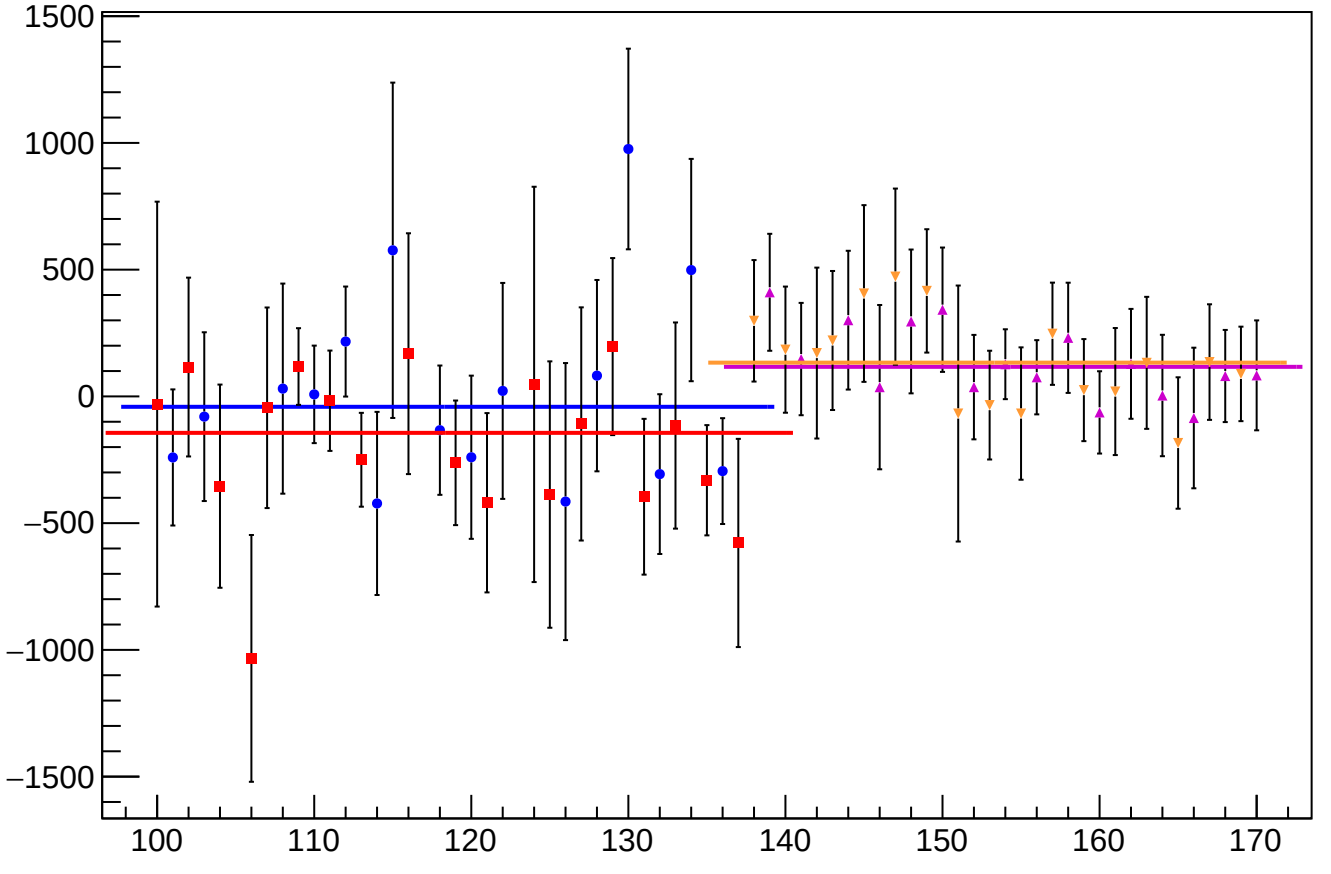
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.200+/-6.229 χ^2/NDF:34.6/31

Out: -1.674+/-5.747 χ^2/NDF:34.6/35

All: 0.107+/-4.224 χ^2/NDF: 69.4/67


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 33164.787+/-7.697 χ²/NDF:2691943.3/16
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 33083.405+/-8.327 χ²/NDF:2821100.3/15
Left: 33127.293+/-5.652 χ²/NDF: 5513095.1/32
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21490.531+/-4.405 χ²/NDF:6706486.3/31
Out: 20916.215+/-4.064 χ²/NDF:7454998.8/35
All: 21180.280+/-2.987 χ²/NDF: 14170668.9



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 133.190+/-60.608 χ^2/NDF:7.3/16

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 116.630+/-51.550 χ^2/NDF:6.0/15

Left: 123.581+/-39.267 χ^2/NDF: 13.3/32

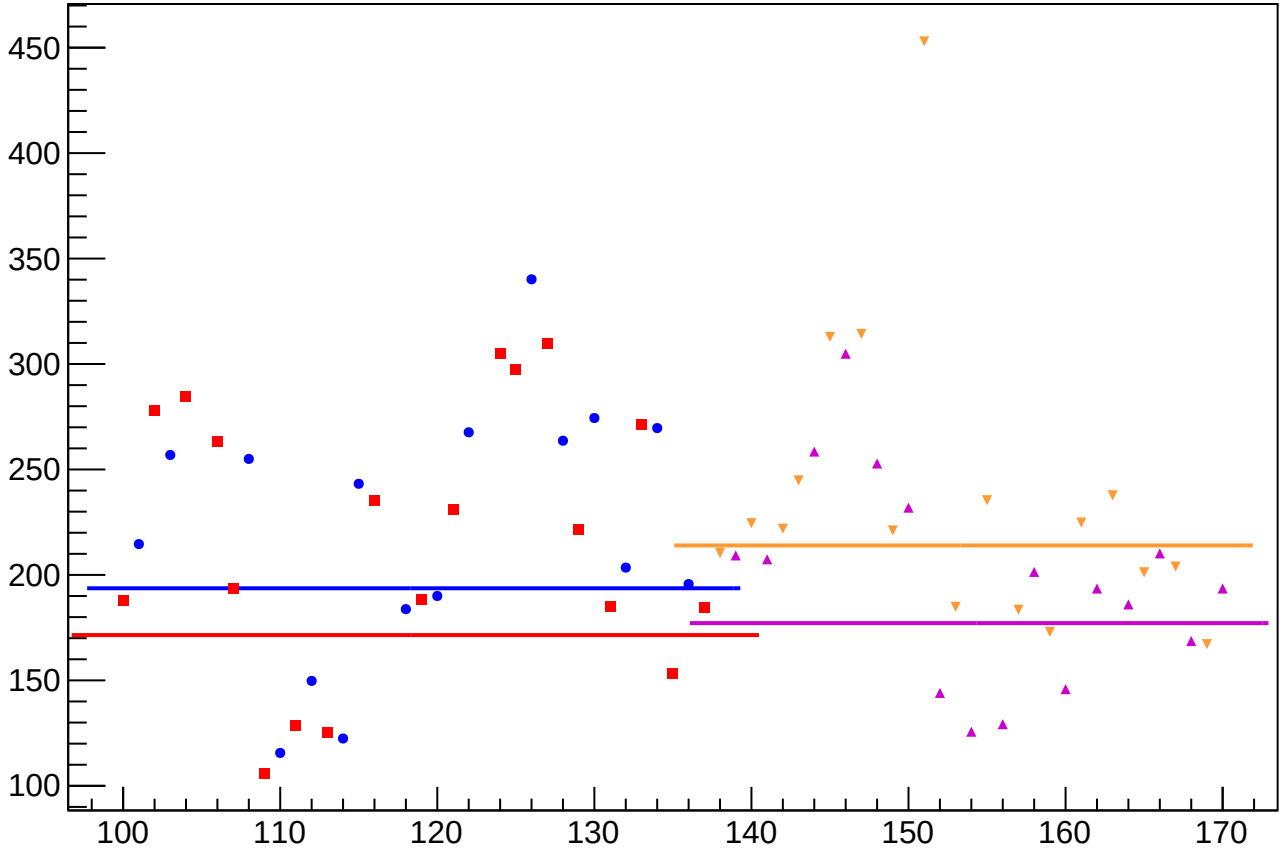
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 67.085+/-42.689 χ^2/NDF:24.4/31

Out: 10.714+/-45.269 χ^2/NDF:29.5/35

All: 40.551+/-31.058 χ^2/NDF: 54.7/67

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 213.981+/-0.043 χ^2/NDF:1141950.3/16

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 177.149+/-0.036 χ^2/NDF:1507967.5/15

Left: 192.609+/-0.028 χ^2/NDF: 3078489.3/32

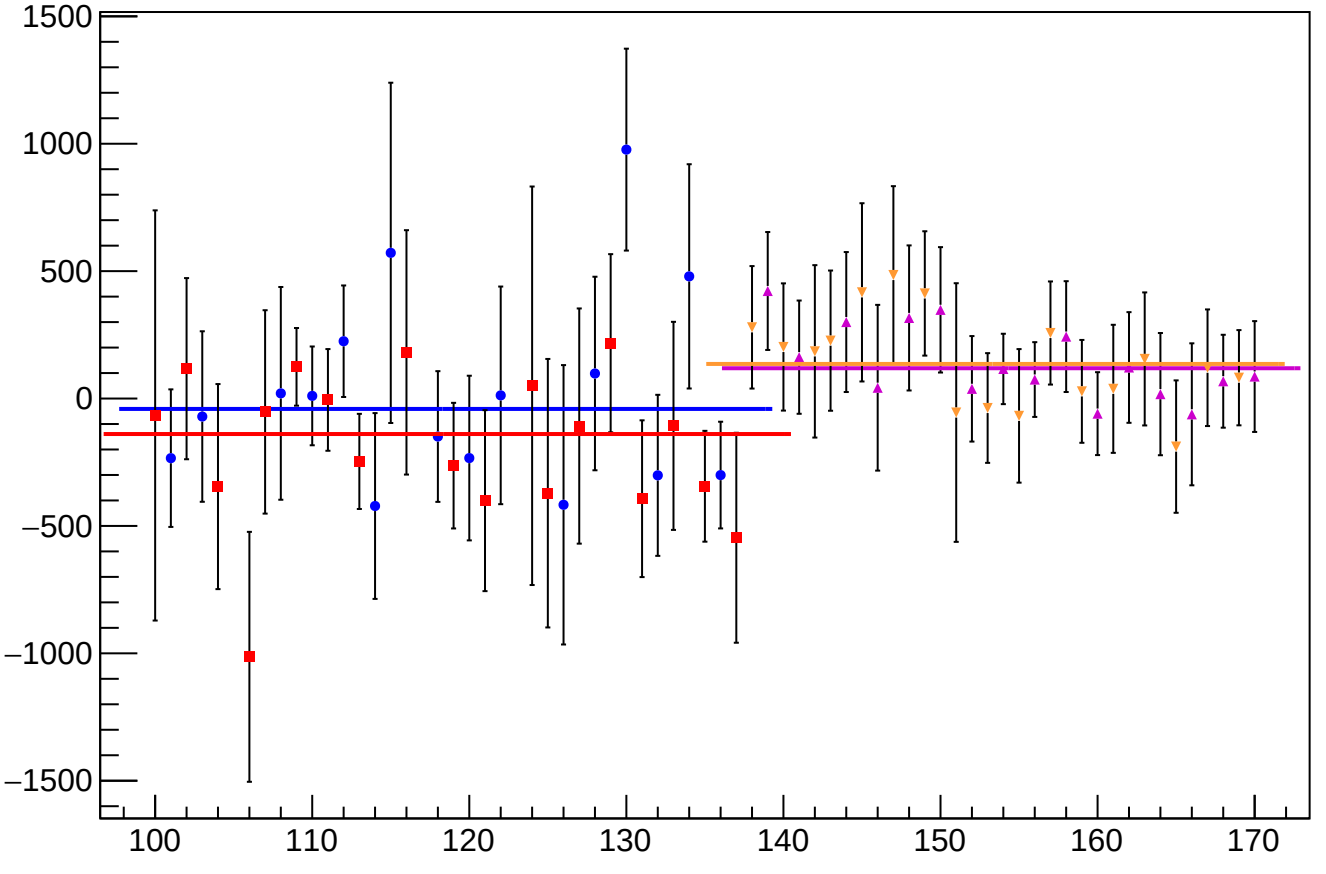
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.340+/-0.030 χ^2/NDF:2622291.3/31

Out: 195.191+/-0.032 χ^2/NDF:3229683.9/35

All: 188.389+/-0.022 χ^2/NDF: 5937290.2/67

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 135.771+/-60.799 χ^2/NDF:7.3/16

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 118.877+/-51.685 χ^2/NDF:6.1/15

Left: 125.965+/-39.379 χ^2/NDF: 13.4/32

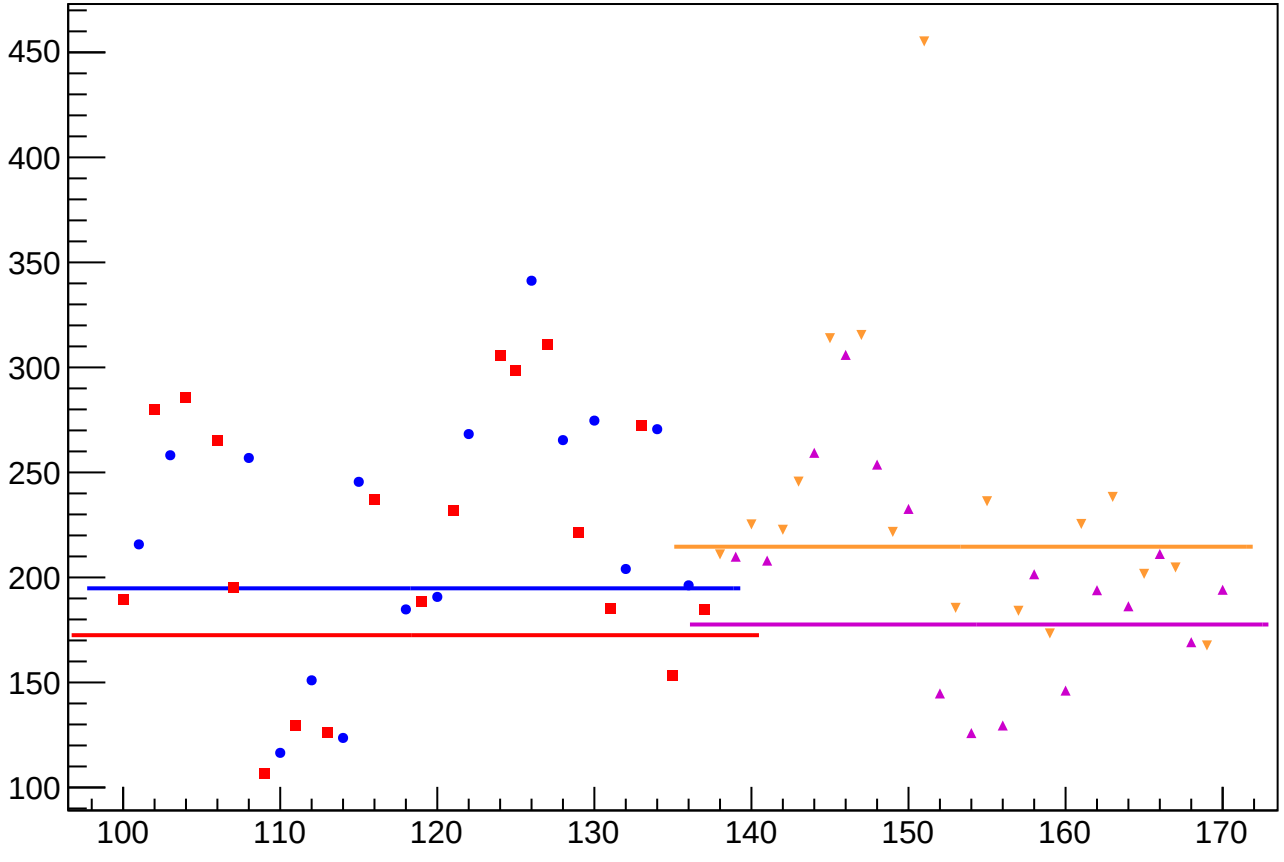
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 68.905+/-42.841 χ^2/NDF:24.4/31

Out: 14.485+/-45.459 χ^2/NDF:29.2/35

All: 43.307+/-31.178 χ^2/NDF: 54.4/67

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 214.633+/-0.043 χ^2/NDF:1144673.9/16

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 177.594+/-0.037 χ^2/NDF:1511282.0/15

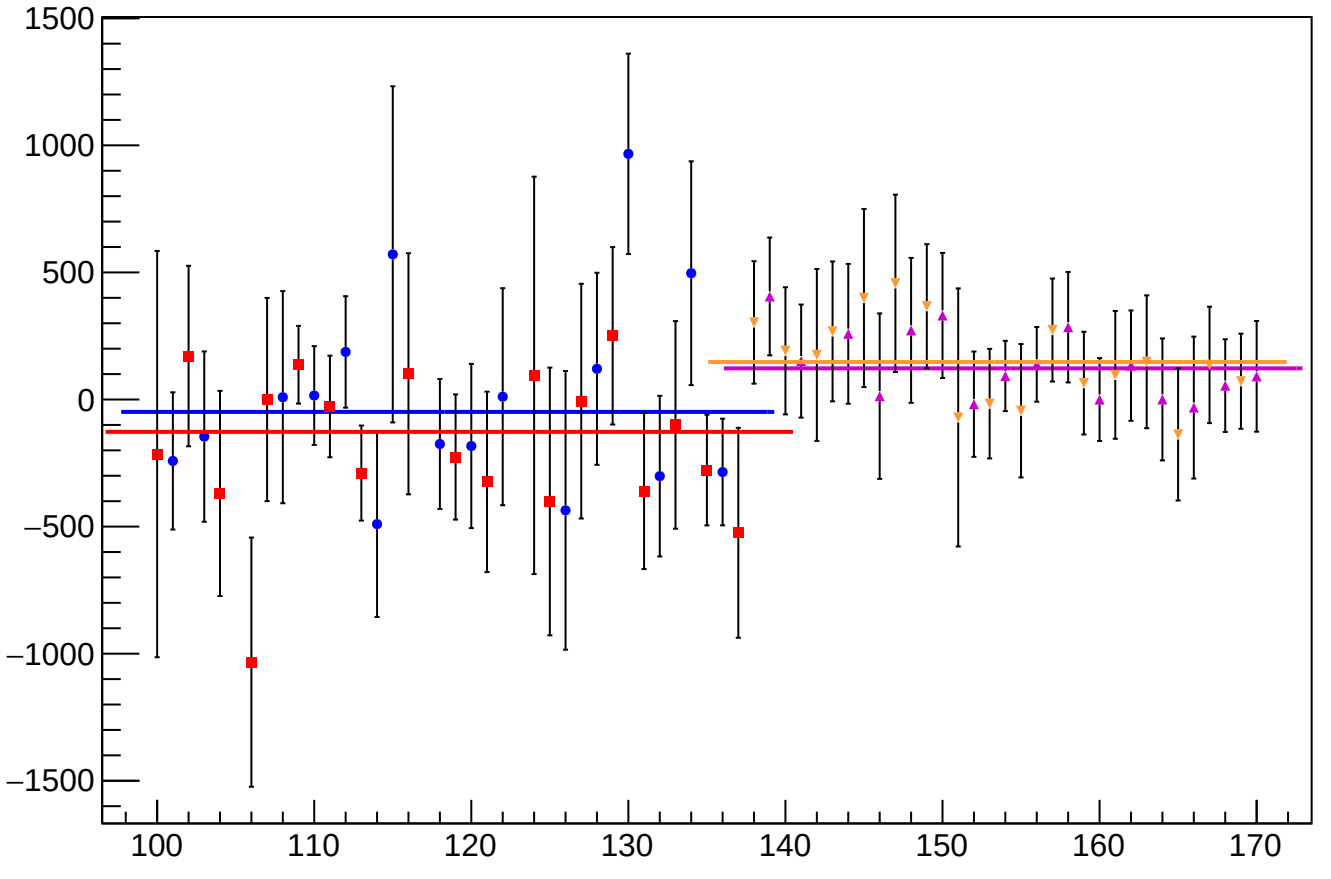
Left: 193.132+/-0.028 χ^2/NDF: 3086840.9/32

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.985+/-0.030 χ^2/NDF:2619902.0/31

Out: 196.058+/-0.032 χ^2/NDF:3210116.6/35

All: 189.134+/-0.022 χ^2/NDF: 5917619.0/67



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 147.522+/-60.856 χ^2/NDF:6.0/16

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 122.538+/-51.731 χ^2/NDF:5.2/15

Left: 133.018+/-39.415 χ^2/NDF: 11.3/32

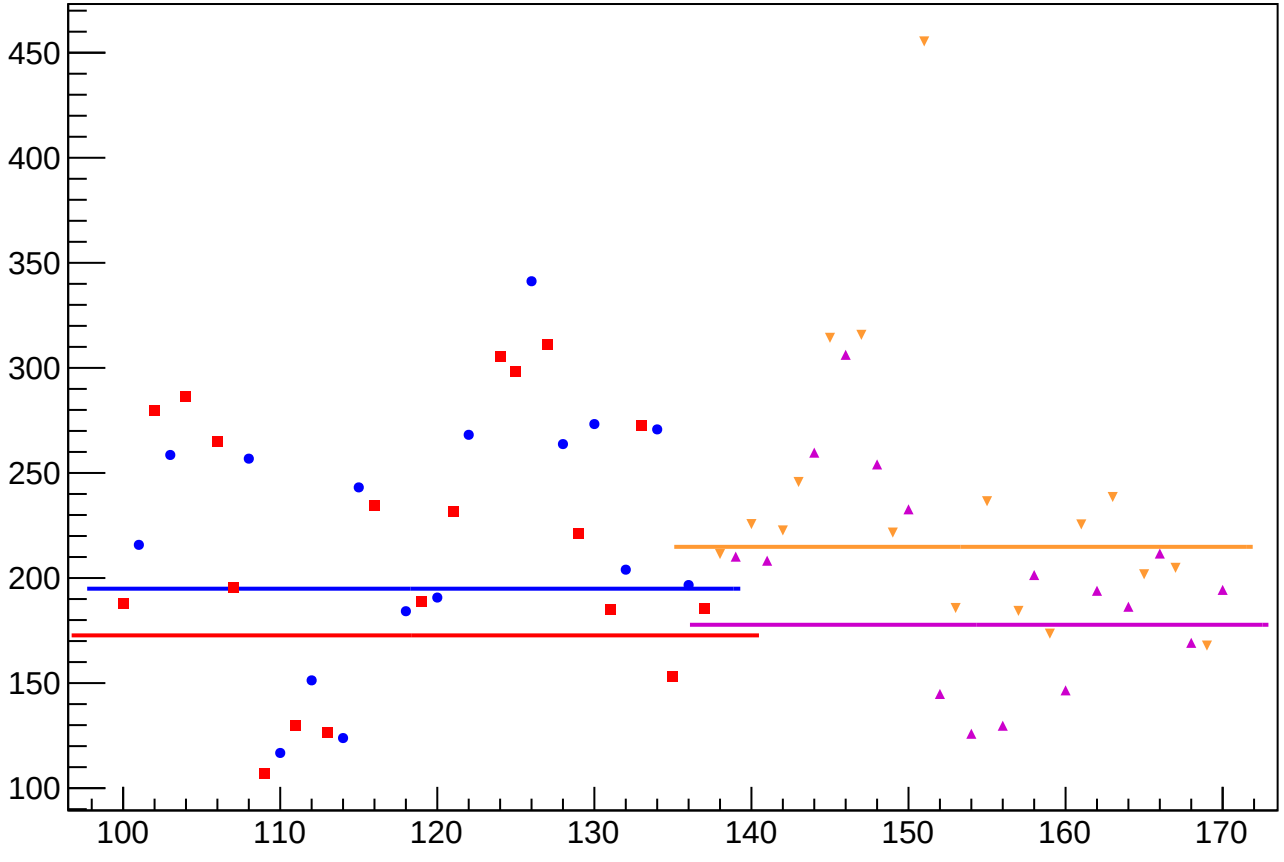
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.879+/-42.869 χ^2/NDF:24.1/31

Out: 26.328+/-45.497 χ^2/NDF:27.9/35

All: 48.868+/-31.201 χ^2/NDF: 52.4/67

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 214.843+/-0.043 χ^2/NDF:1143392.5/16

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 177.752+/-0.037 χ^2/NDF:1511104.1/15

Left: 193.310+/-0.028 χ^2/NDF: 3085795.7/32

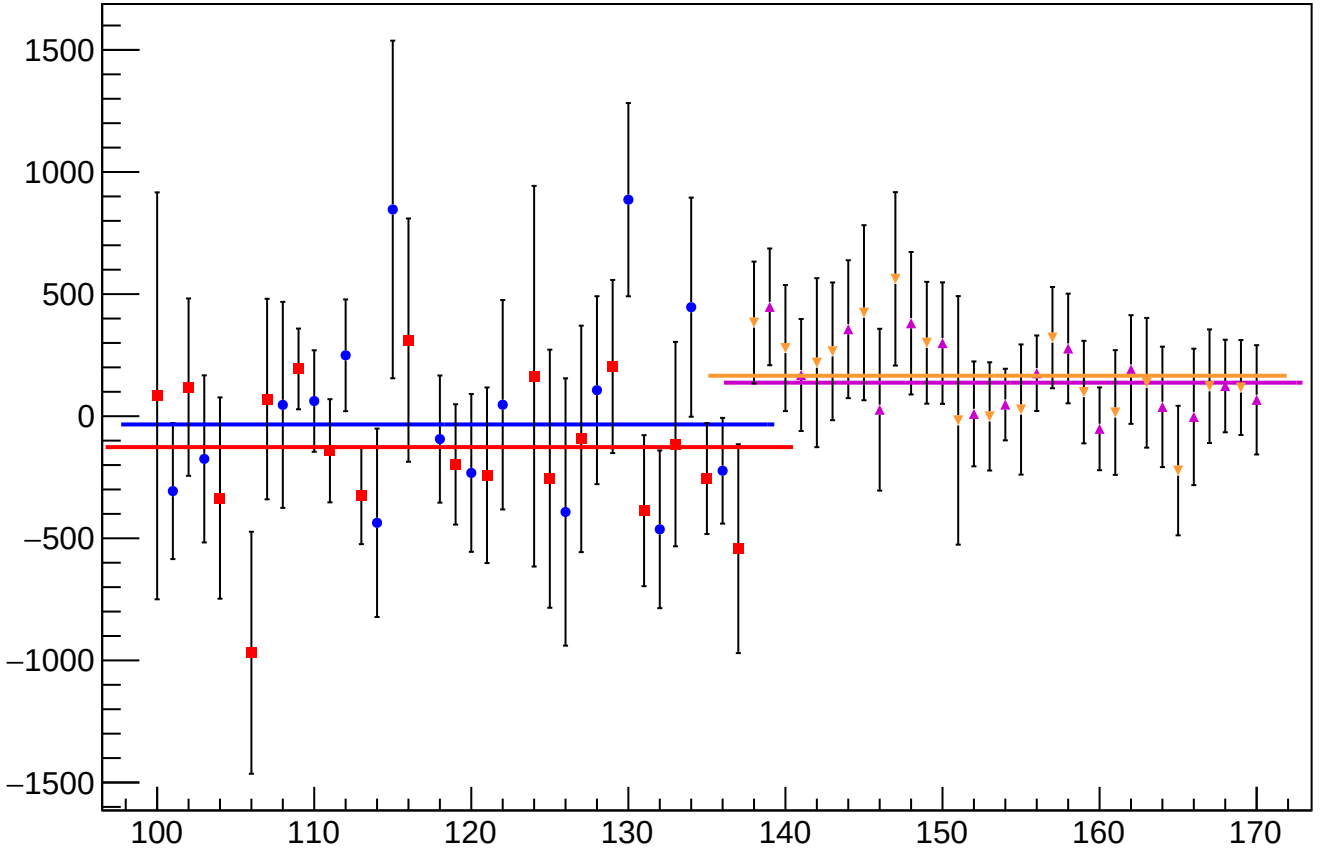
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.131+/-0.030 χ^2/NDF:2609035.7/31

Out: 196.256+/-0.032 χ^2/NDF:3197697.7/35

All: 189.304+/-0.022 χ^2/NDF: 5894909.3/67

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 165.714+/-62.408 χ^2/NDF:7.4/16

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 137.371+/-53.607 χ^2/NDF:6.5/15

Left: 149.405+/-40.665 χ^2/NDF: 14.1/32

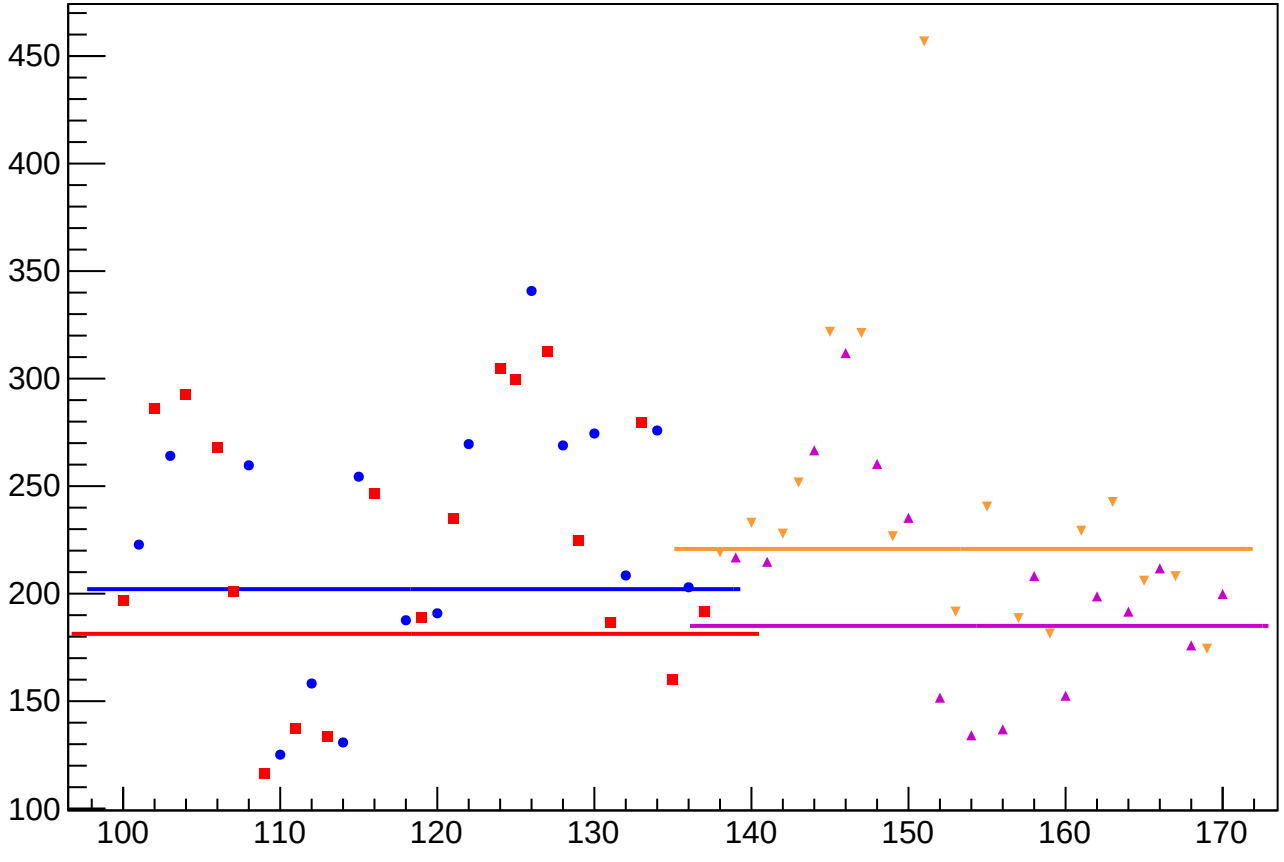
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 83.421+/-44.358 χ^2/NDF:25.5/31

Out: 38.945+/-46.963 χ^2/NDF:29.6/35

All: 62.451+/-32.247 χ^2/NDF: 55.6/67

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 220.794+/-0.044 χ^2/NDF:1085082.5/16

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 185.011+/-0.038 χ^2/NDF:1362888.1/15

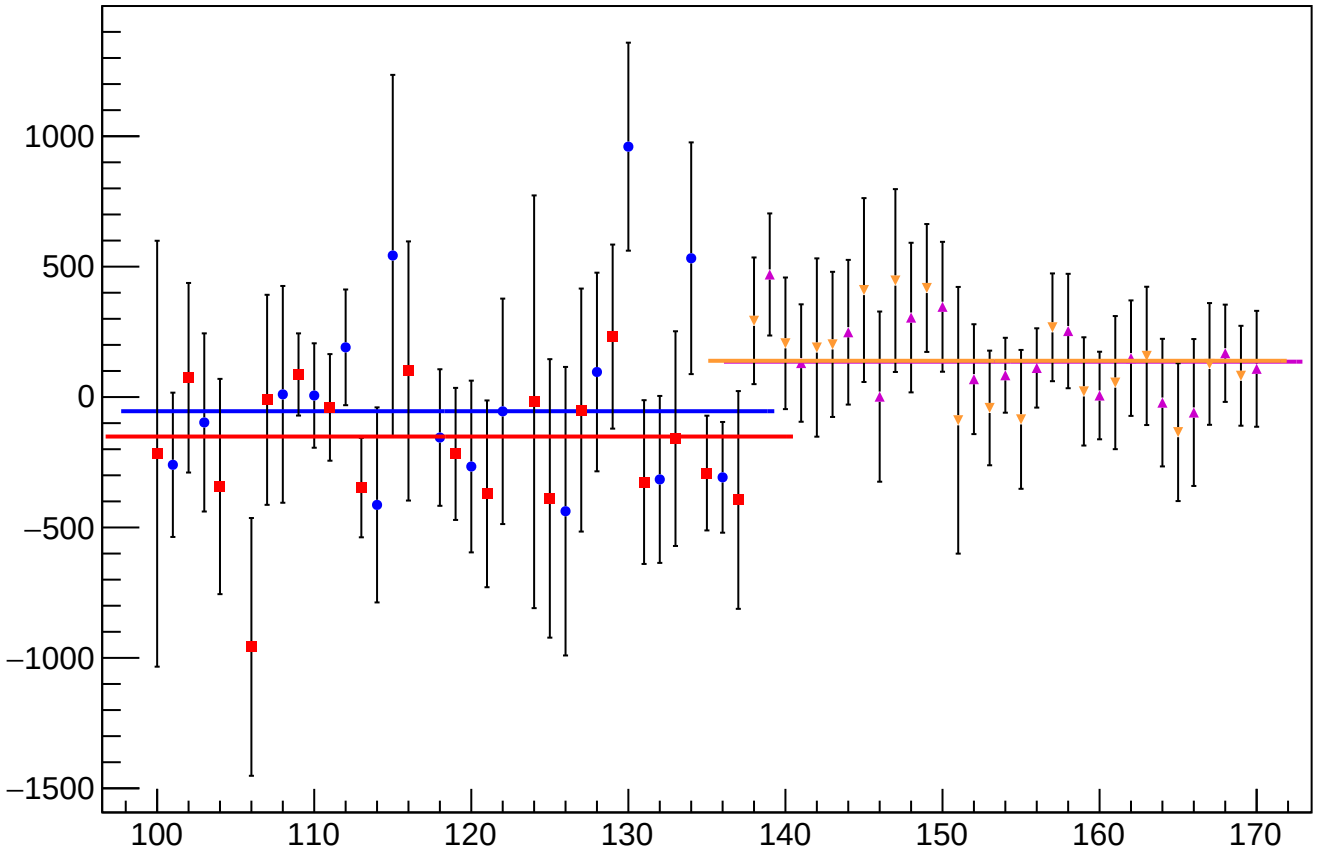
Left: 200.204+/-0.029 χ^2/NDF: 2826313.4/32

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.397+/-0.031 χ^2/NDF:2337154.0/31

Out: 203.670+/-0.033 χ^2/NDF:2873260.1/35

All: 196.655+/-0.023 χ^2/NDF: 5294849.1/67



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 139.072+/-61.806 χ^2/NDF:6.8/16

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 135.640+/-52.852 χ^2/NDF:5.5/15

Left: 137.090+/-40.168 χ^2/NDF: 12.3/32

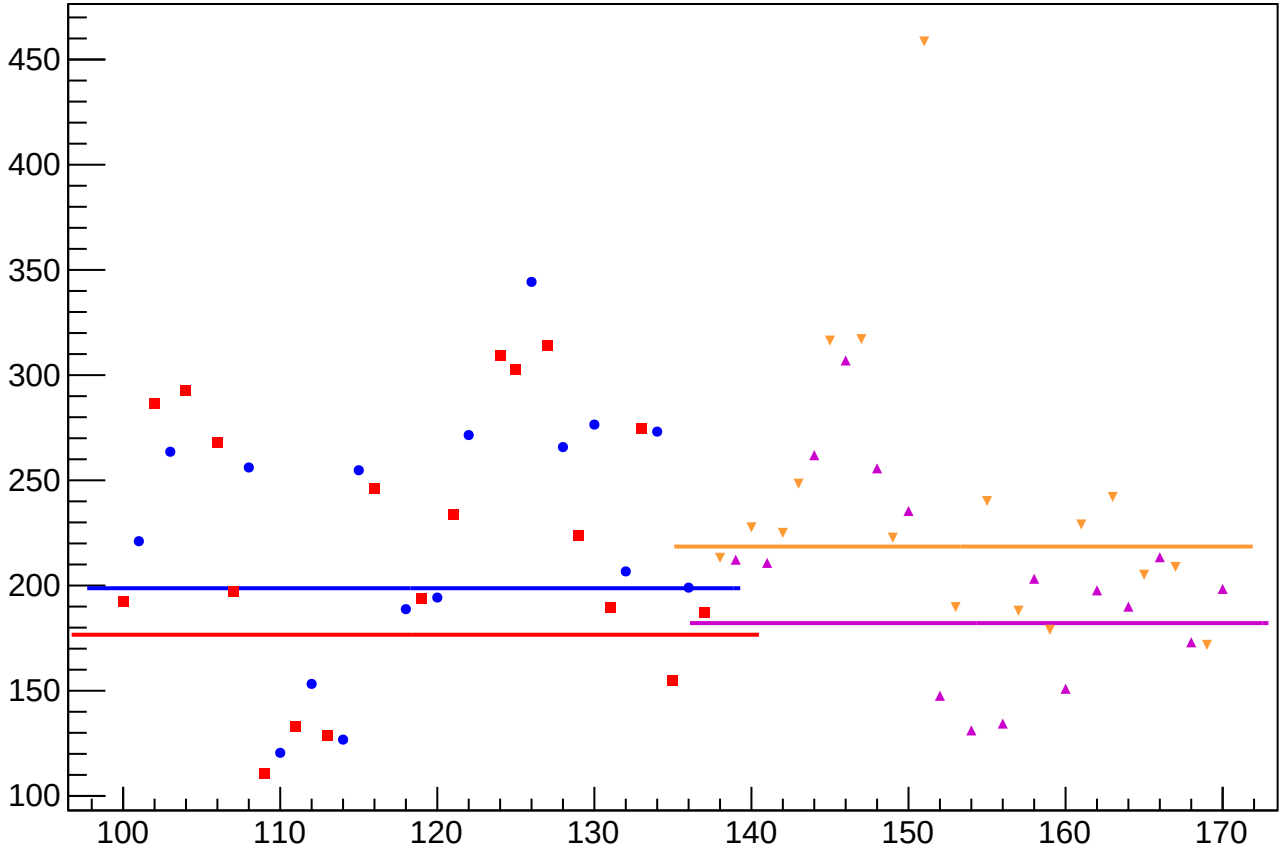
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 75.832+/-43.744 χ^2/NDF:24.7/31

Out: 11.642+/-46.302 χ^2/NDF:26.7/35

All: 45.559+/-31.798 χ^2/NDF: 52.4/67

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 218.527+/-0.044 χ^2/NDF:1091788.9/16

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 182.152+/-0.037 χ^2/NDF:1390046.7/15

Left: 197.516+/-0.028 χ^2/NDF: 2881980.5/32

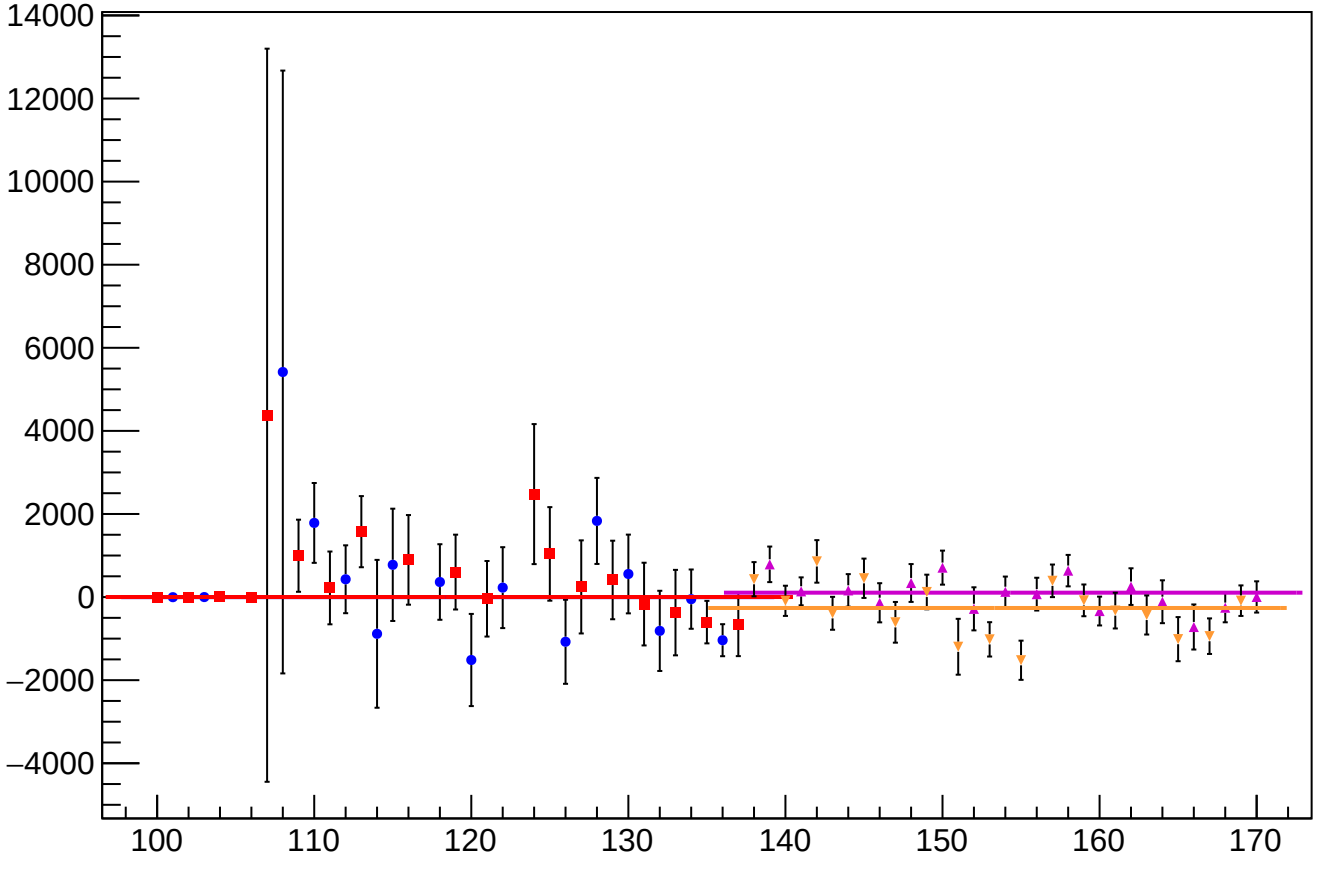
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.370+/-0.031 χ^2/NDF:2446002.9/31

Out: 200.140+/-0.033 χ^2/NDF:3090910.7/35

All: 193.393+/-0.022 χ^2/NDF: 5617302.6/67

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -262.443+/-105.255 χ^2/NDF:31.9/16

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 105.777+/-101.836 χ^2/NDF:13.2/15

Left: -72.256+/-73.188 χ^2/NDF: 51.3/32

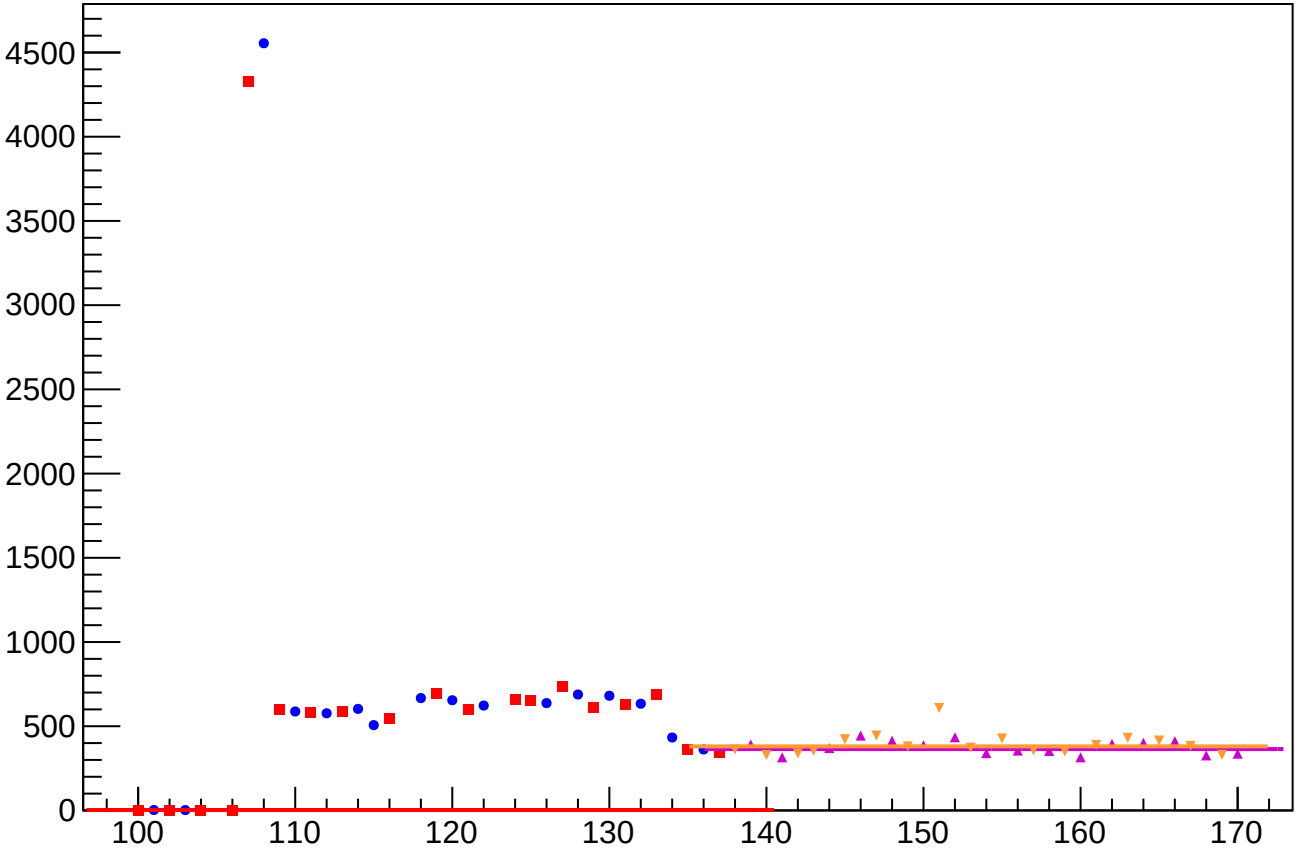
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.190+/-2.170 χ^2/NDF:34.2/31

Out: 1.280+/-2.022 χ^2/NDF:55.0/35

All: 0.132+/-1.479 χ^2/NDF: 89.9/67

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 380.351+/-0.074 χ^2/NDF:456144.4/16

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 364.402+/-0.072 χ^2/NDF:295414.9/15

Left: 372.113+/-0.052 χ^2/NDF: 775278.1/32

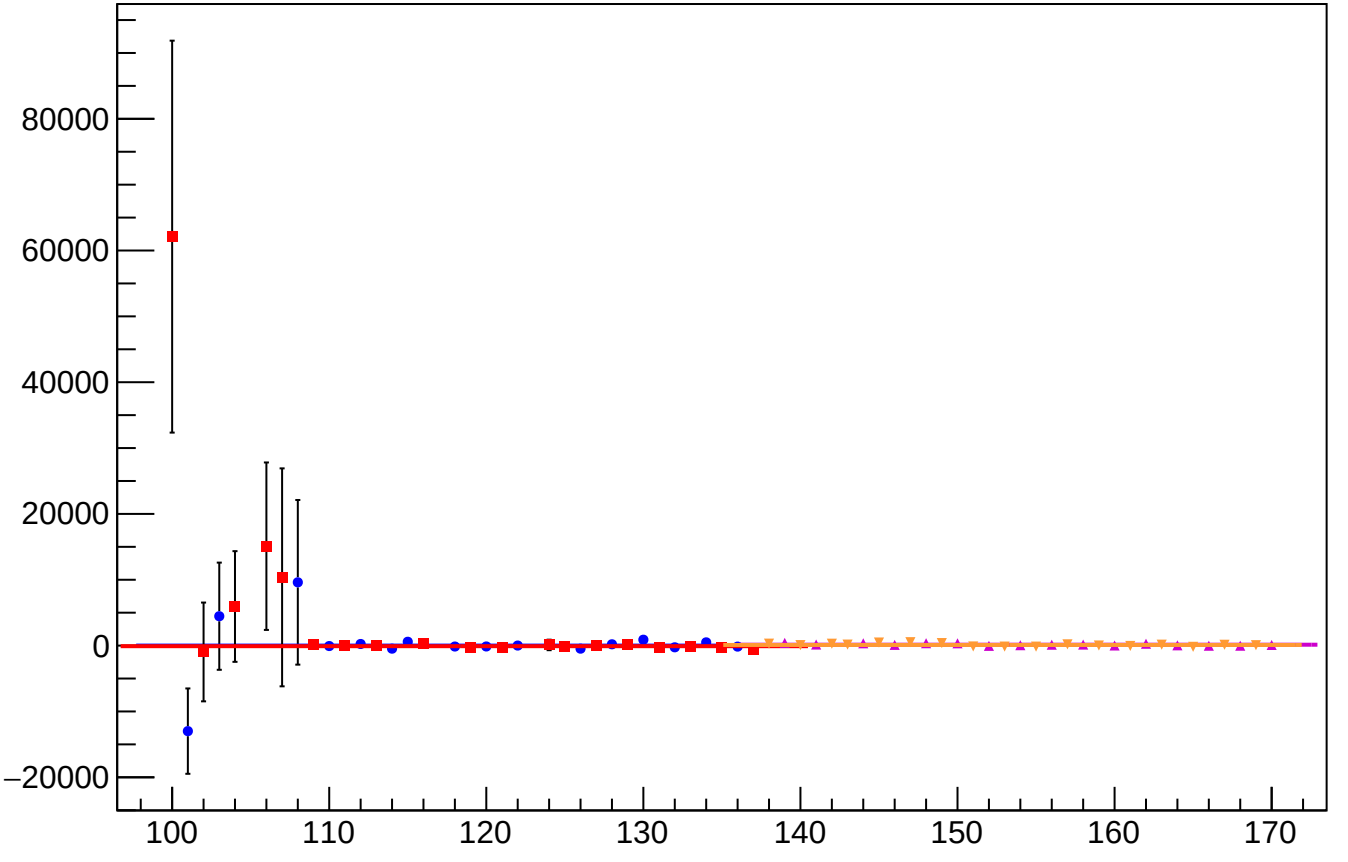
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.641+/-0.002 χ^2/NDF:37171751.9/31

Out: 2.602+/-0.001 χ^2/NDF:37771316.7/35

All: 2.620+/-0.001 χ^2/NDF: 74943422.6/67

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 97.619+/-64.436 χ^2/NDF:8.3/16

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 135.295+/-56.201 χ^2/NDF:5.9/15

Left: 119.017+/-42.354 χ^2/NDF: 14.4/32

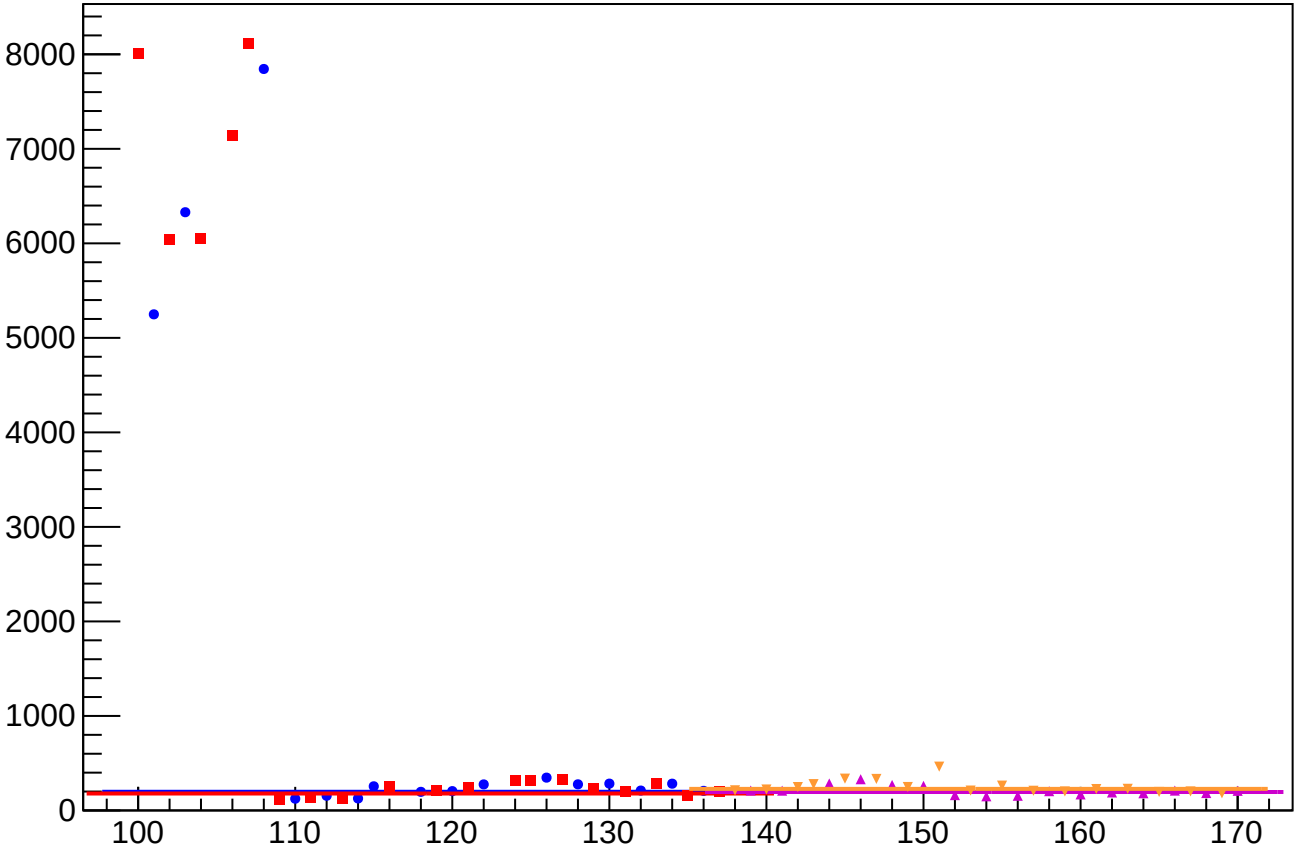
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 96.154+/-47.338 χ^2/NDF:24.4/31

Out: 26.300+/-50.571 χ^2/NDF:26.4/35

All: 63.531+/-34.559 χ^2/NDF: 51.8/67

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 228.271+/-0.046 χ^2/NDF:1075634.3/16

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.226+/-0.040 χ^2/NDF:1087999.9/15

Left: 209.503+/-0.030 χ^2/NDF: 2462361.2/32

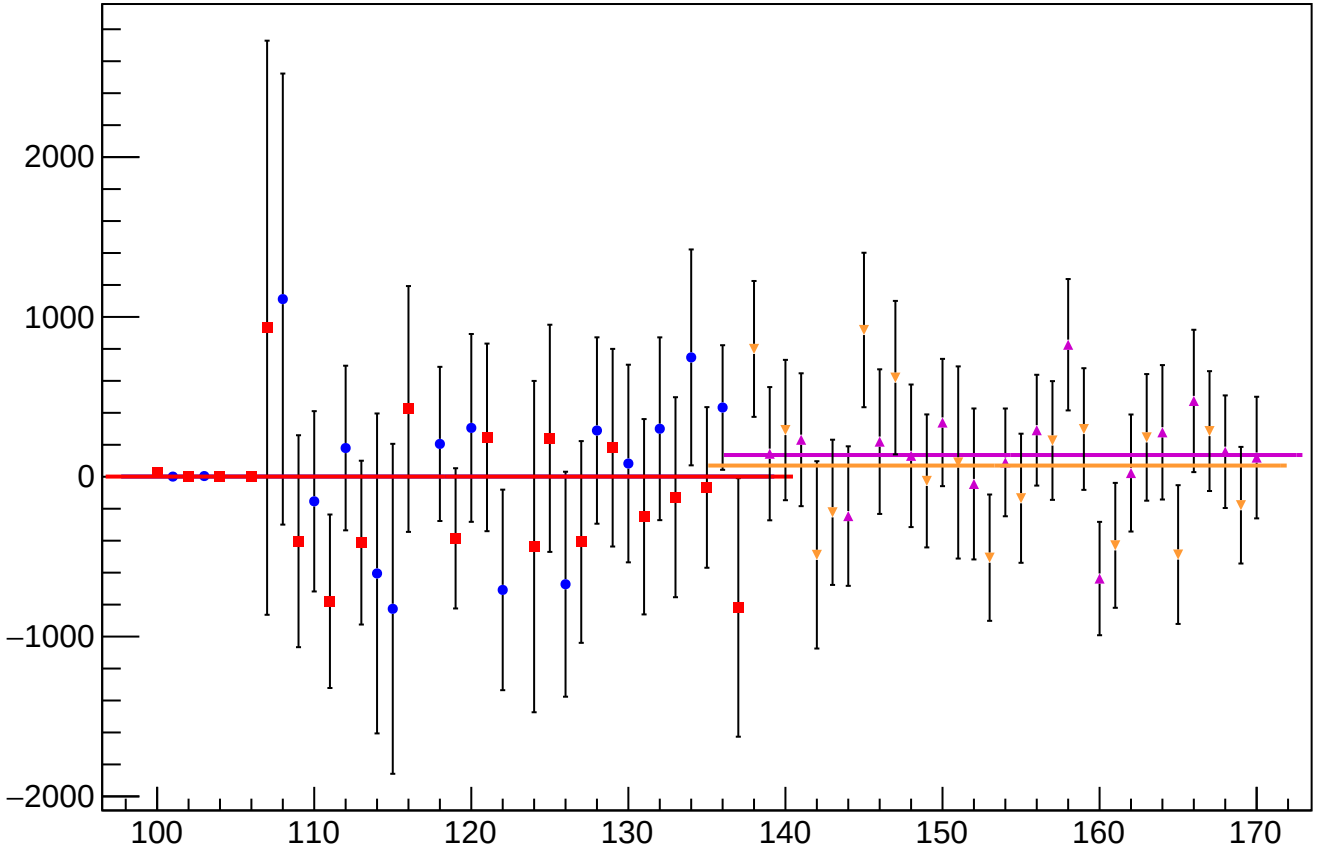
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.922+/-0.033 χ^2/NDF:5046246.2/31

Out: 209.445+/-0.036 χ^2/NDF:5938599.1/35

All: 202.237+/-0.024 χ^2/NDF: 11061068.7/67

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 70.088+/-102.504 χ^2/NDF:16.2/16

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 136.041+/-99.211 χ^2/NDF:9.8/15

Left: 104.141+/-71.289 χ^2/NDF: 26.2/32

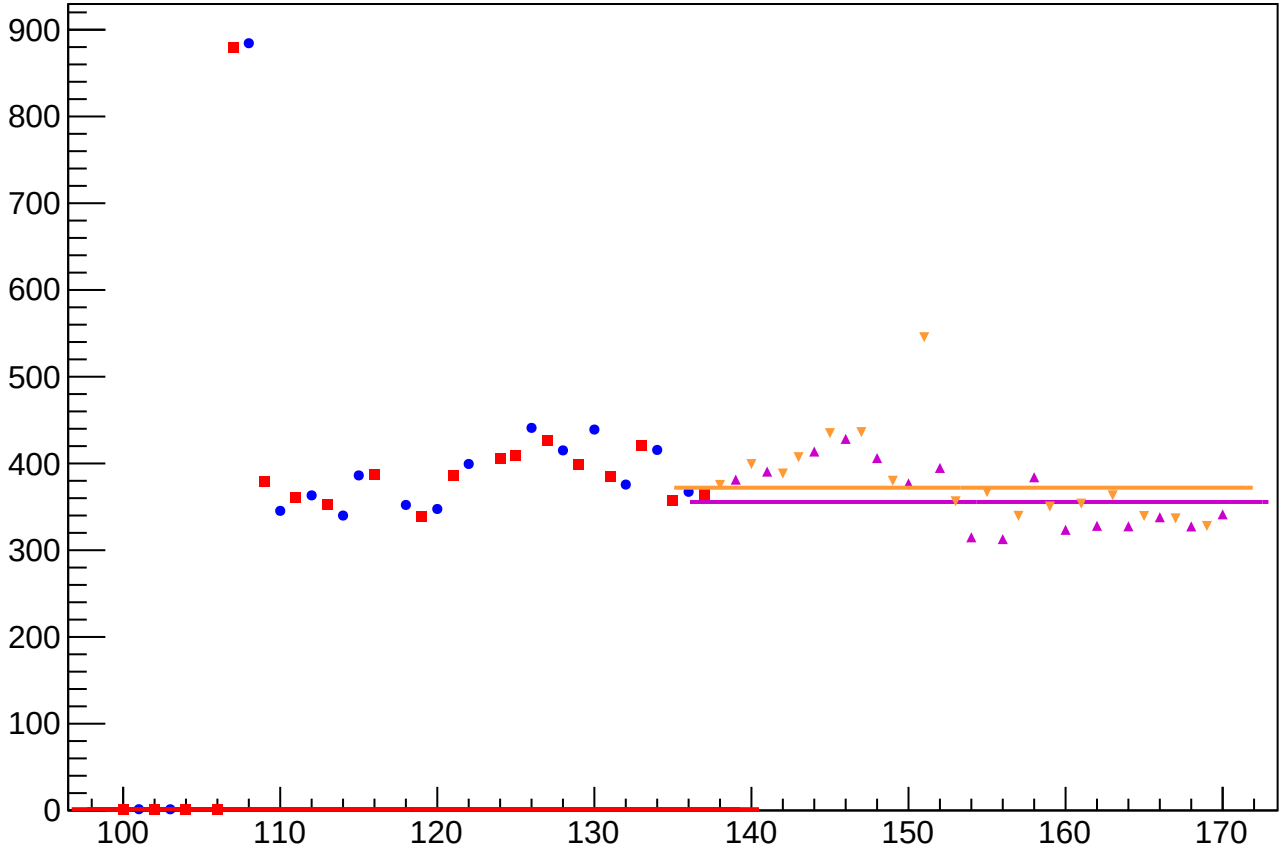
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:19.6/31

Out: 1.109+/-1.528 χ^2/NDF:25.8/35

All: 1.285+/-1.124 χ^2/NDF: 45.4/67

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 372.045+/-0.072 χ^2/NDF:346993.5/16

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 355.609+/-0.070 χ^2/NDF:278818.7/15

Left: 363.558+/-0.050 χ^2/NDF: 652361.2/32

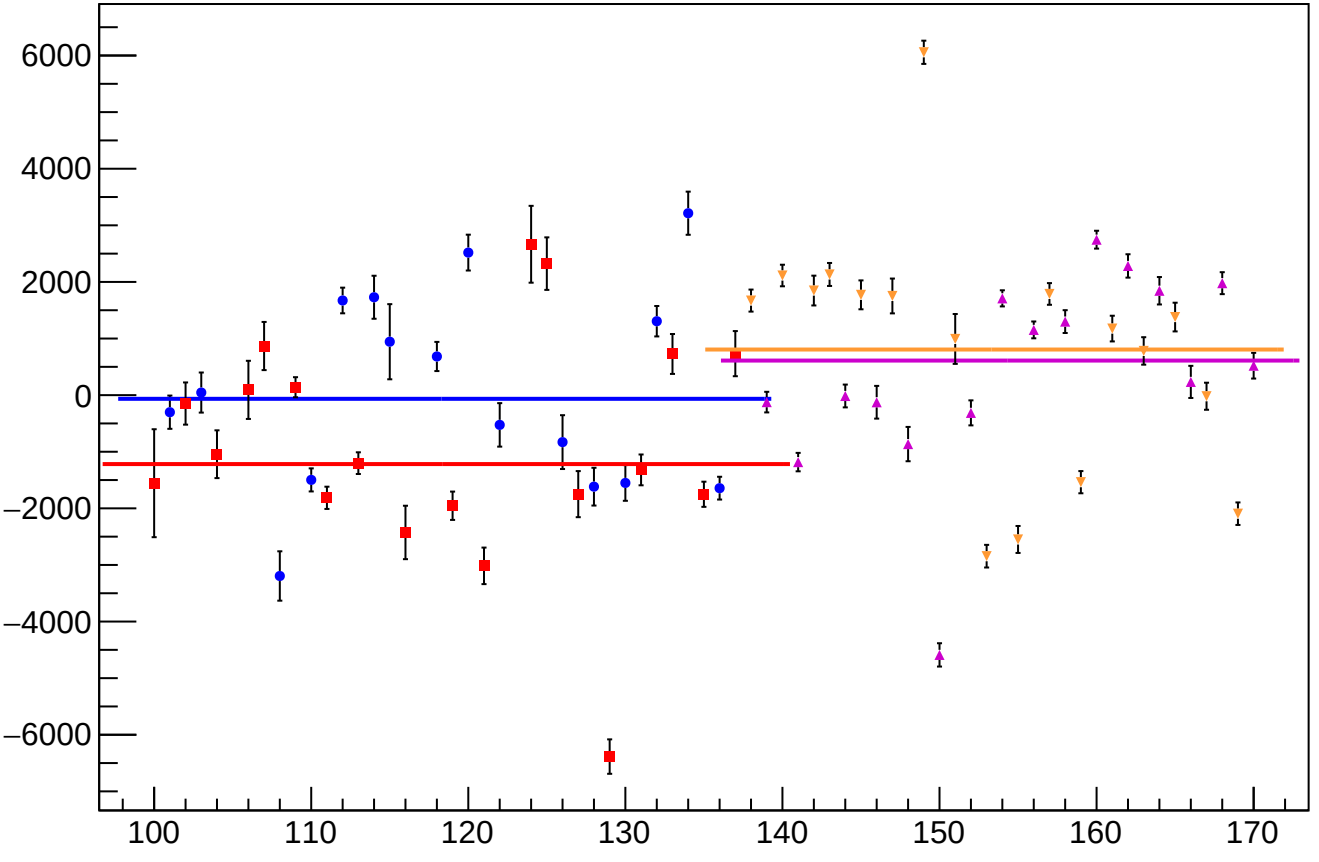
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.569+/-0.001 χ^2/NDF:37490330.4/31

Out: 1.549+/-0.001 χ^2/NDF:37751503.9/35

All: 1.559+/-0.001 χ^2/NDF: 75241989.4/67

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 805.823+/-54.388 χ^2/NDF:1737.1/16

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 610.823+/-48.933 χ^2/NDF:1243.0/15

Left: 698.057+/-36.377 χ^2/NDF: 2987.2/32

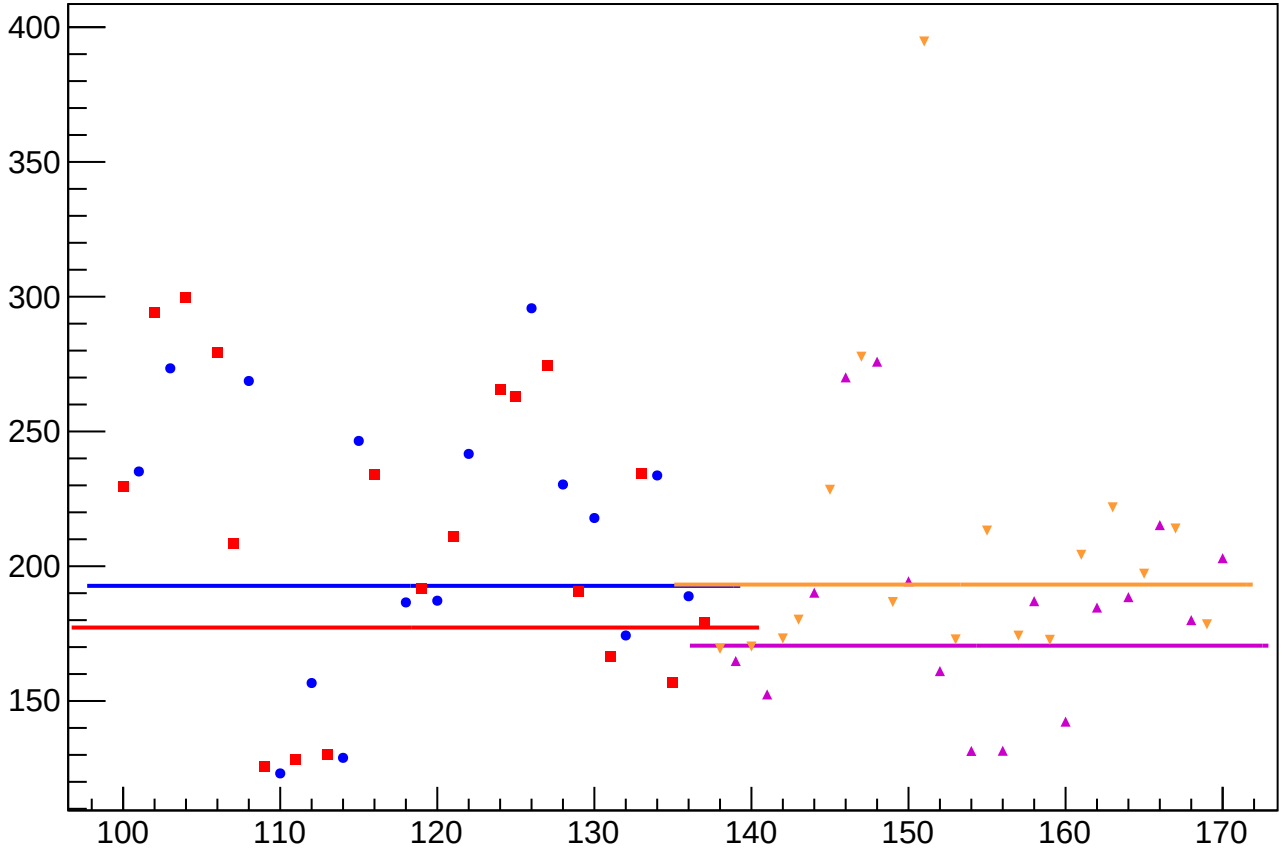
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 408.639+/-40.965 χ^2/NDF:1769.5/31

Out: 30.633+/-42.719 χ^2/NDF:2862.1/35

All: 227.556+/-29.567 χ^2/NDF: 4672.4/67

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.193+/-0.038 χ^2/NDF:823876.5/16

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 170.527+/-0.035 χ^2/NDF:1035803.7/15

Left: 180.667+/-0.026 χ^2/NDF: 2051644.5/32

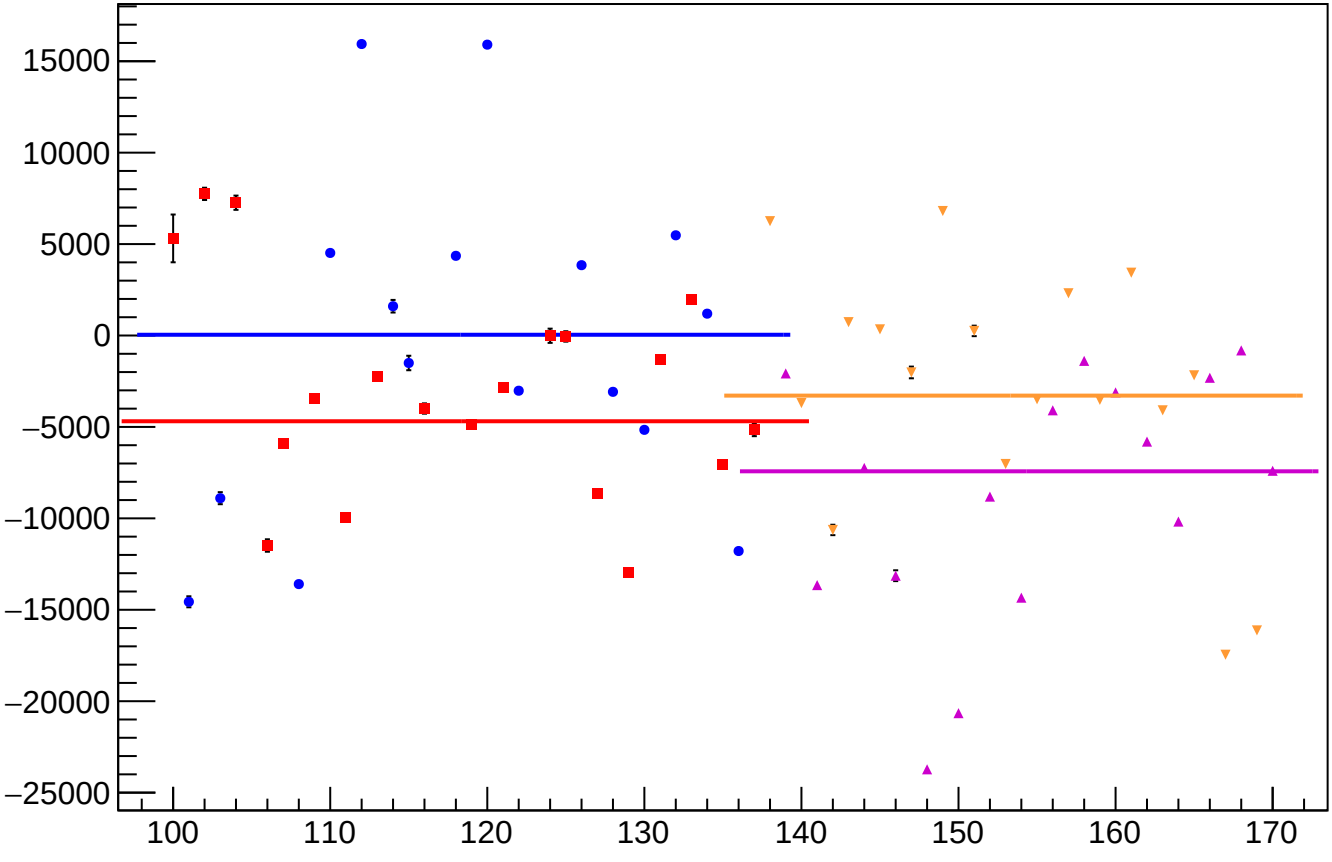
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.166+/-0.029 χ^2/NDF:1918011.4/31

Out: 187.087+/-0.030 χ^2/NDF:2115880.3/35

All: 181.919+/-0.021 χ^2/NDF: 4090075.8/67

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3287.074+/-47.001 χ^2/NDF:20109.9/16

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7427.090+/-47.770 χ^2/NDF:16829.9/15

Left: -5323.481+/-33.503 χ^2/NDF: 40756.1/32

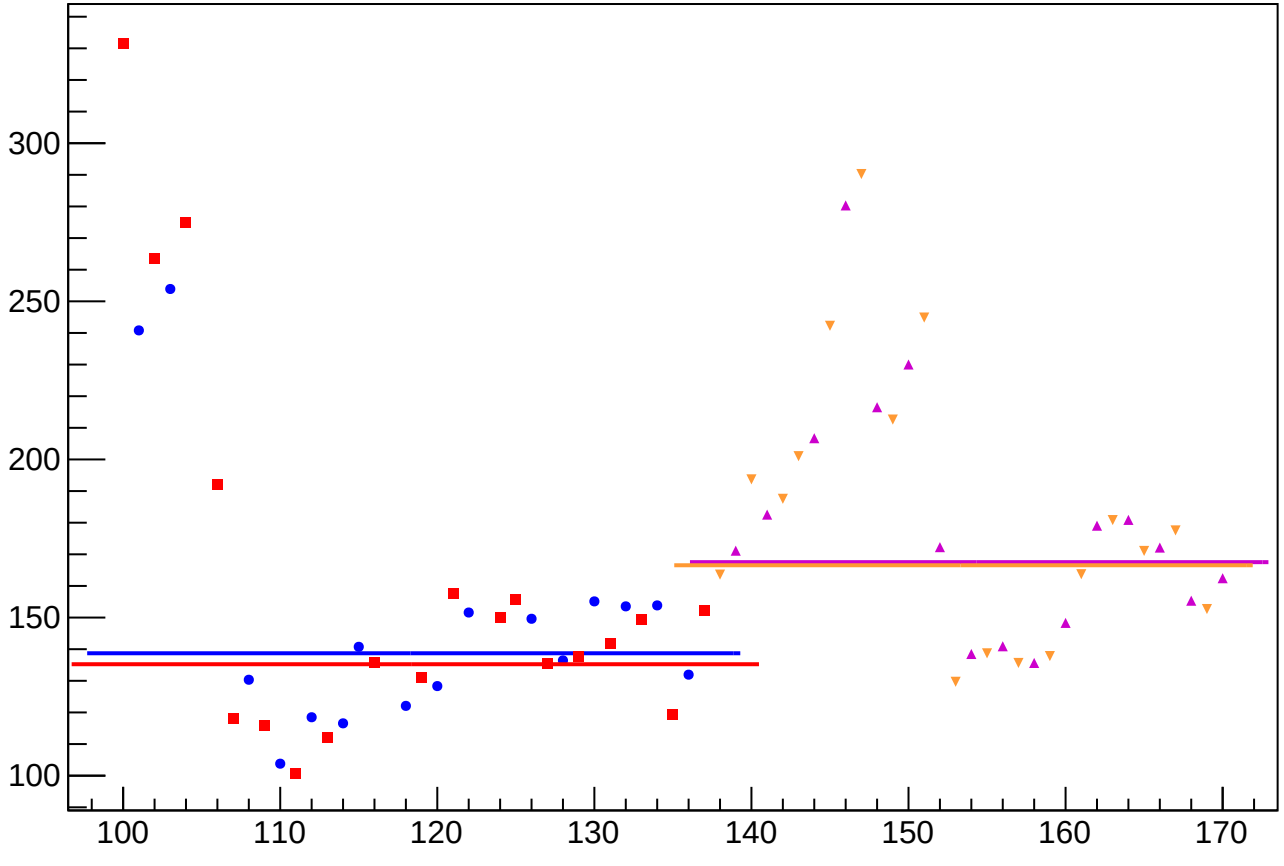
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4162.034+/-35.837 χ^2/NDF:58301.3/31

Out: -3916.479+/-34.897 χ^2/NDF:28305.2/35

All: -4035.994+/-25.002 χ^2/NDF: 86630.6/67

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.540+/-0.033 χ^2/NDF:1157258.3/16

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.522+/-0.034 χ^2/NDF:860138.1/15

Left: 167.023+/-0.024 χ^2/NDF: 2017826.2/32

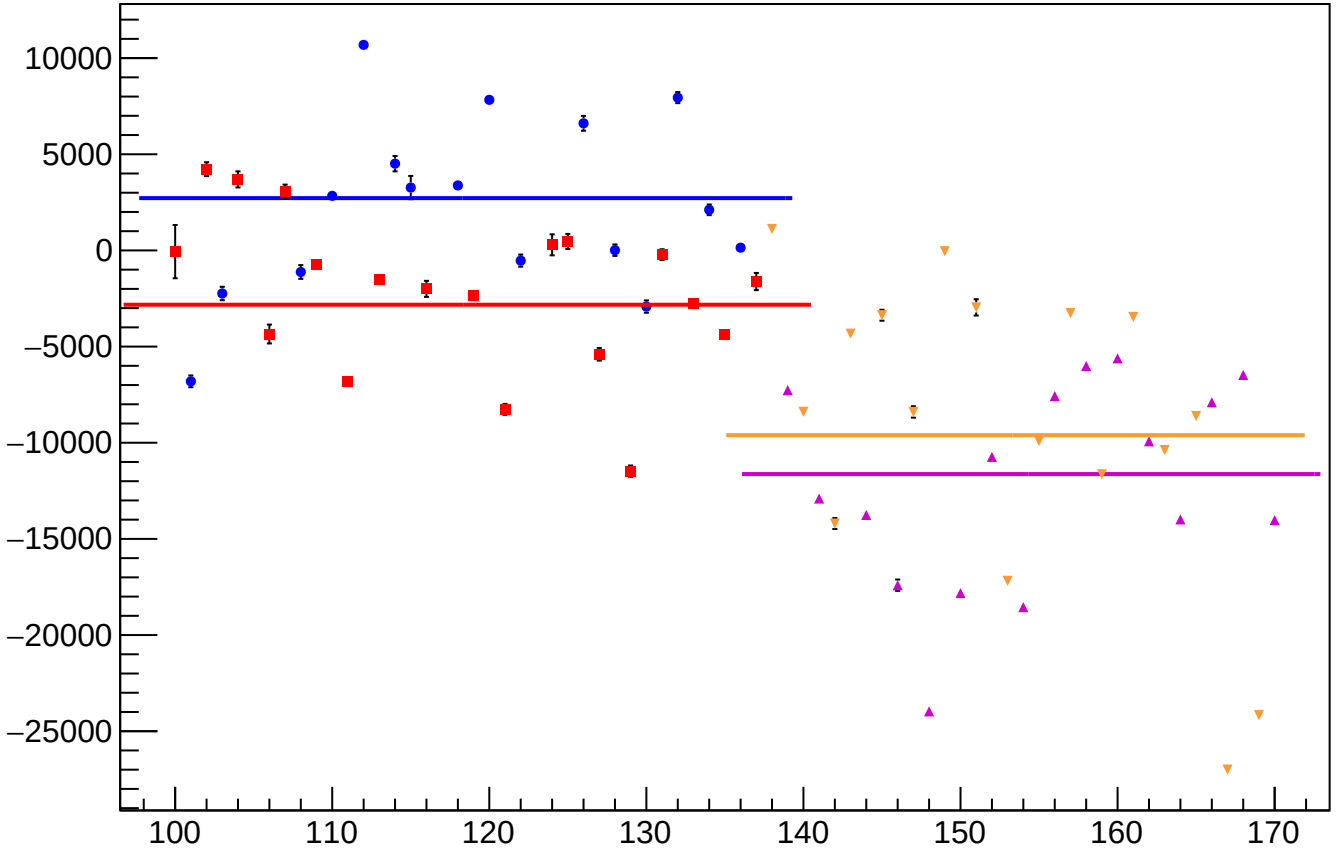
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.926+/-0.025 χ^2/NDF:1835985.5/31

Out: 152.497+/-0.025 χ^2/NDF:2445158.4/35

All: 153.679+/-0.018 χ^2/NDF: 4285861.0/67

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9605.541+/-55.181 χ^2/NDF:21589.0/16

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11628.579+/-50.533 χ^2/NDF:10328.5/15

Left: -10705.852+/-37.267 χ^2/NDF: 32648.5/32

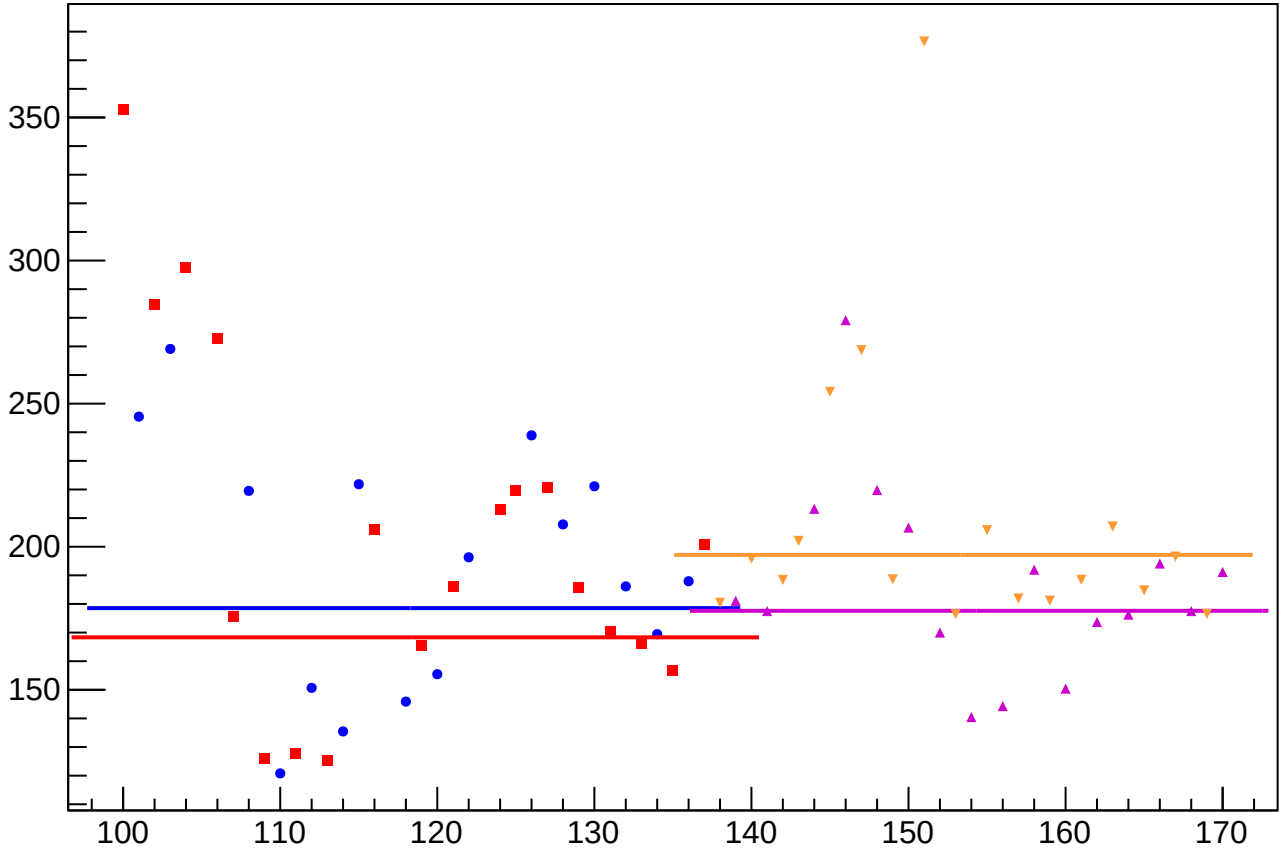
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6642.720+/-40.819 χ^2/NDF:42473.5/31

Out: -6757.374+/-42.026 χ^2/NDF:30995.2/35

All: -6698.377+/-29.281 χ^2/NDF: 73472.6/67

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.135+/-0.039 χ^2/NDF:657198.8/16

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 177.604+/-0.036 χ^2/NDF:665934.4/15

Left: 186.513+/-0.026 χ^2/NDF: 1459404.2/32

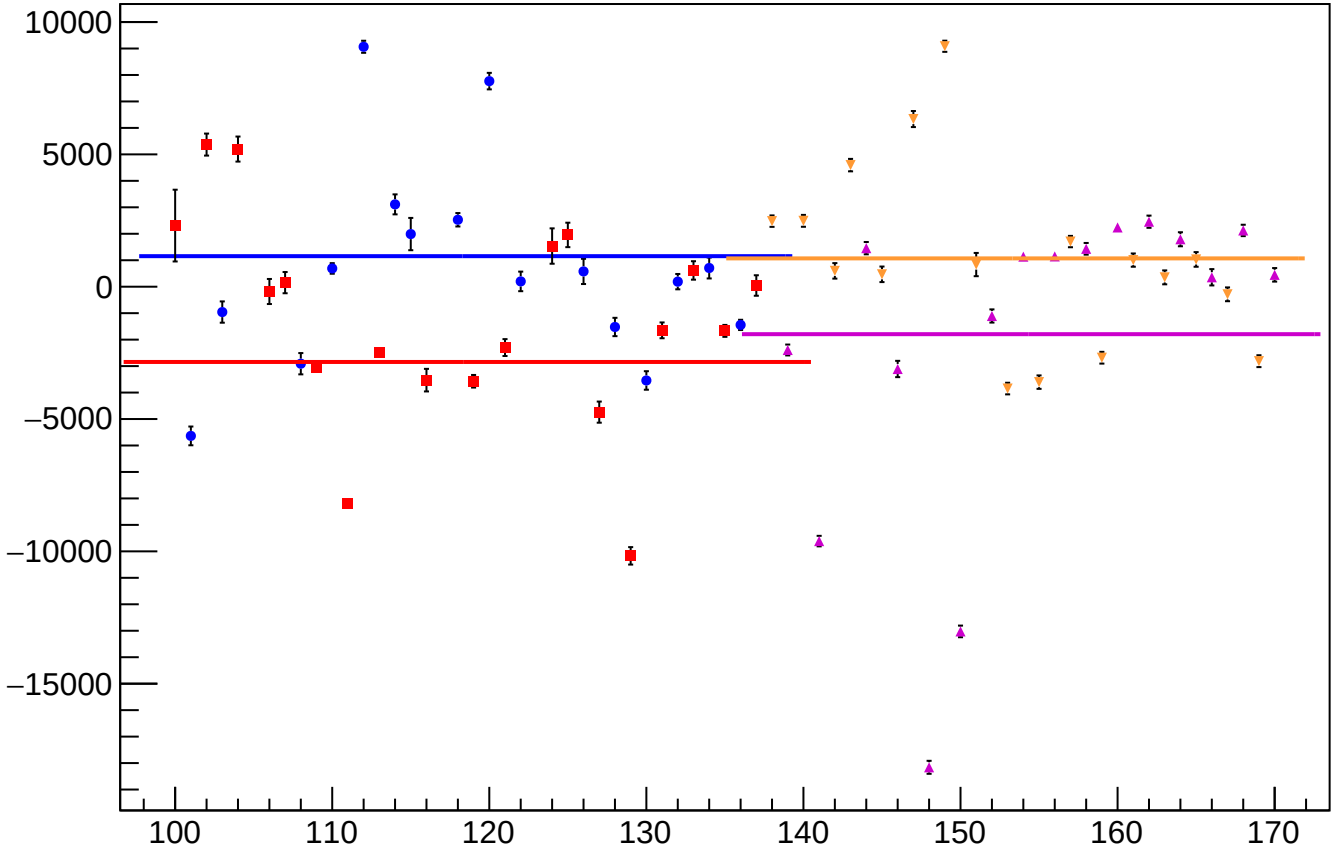
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.930+/-0.029 χ^2/NDF:1340739.1/31

Out: 185.040+/-0.030 χ^2/NDF:1865490.7/35

All: 181.381+/-0.021 χ^2/NDF: 3235686.6/67

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1069.753+/-60.079 χ^2/NDF:3524.7/16

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1793.790+/-55.032 χ^2/NDF:11082.0/15

Left: -487.328+/-40.580 χ^2/NDF: 15842.0/32

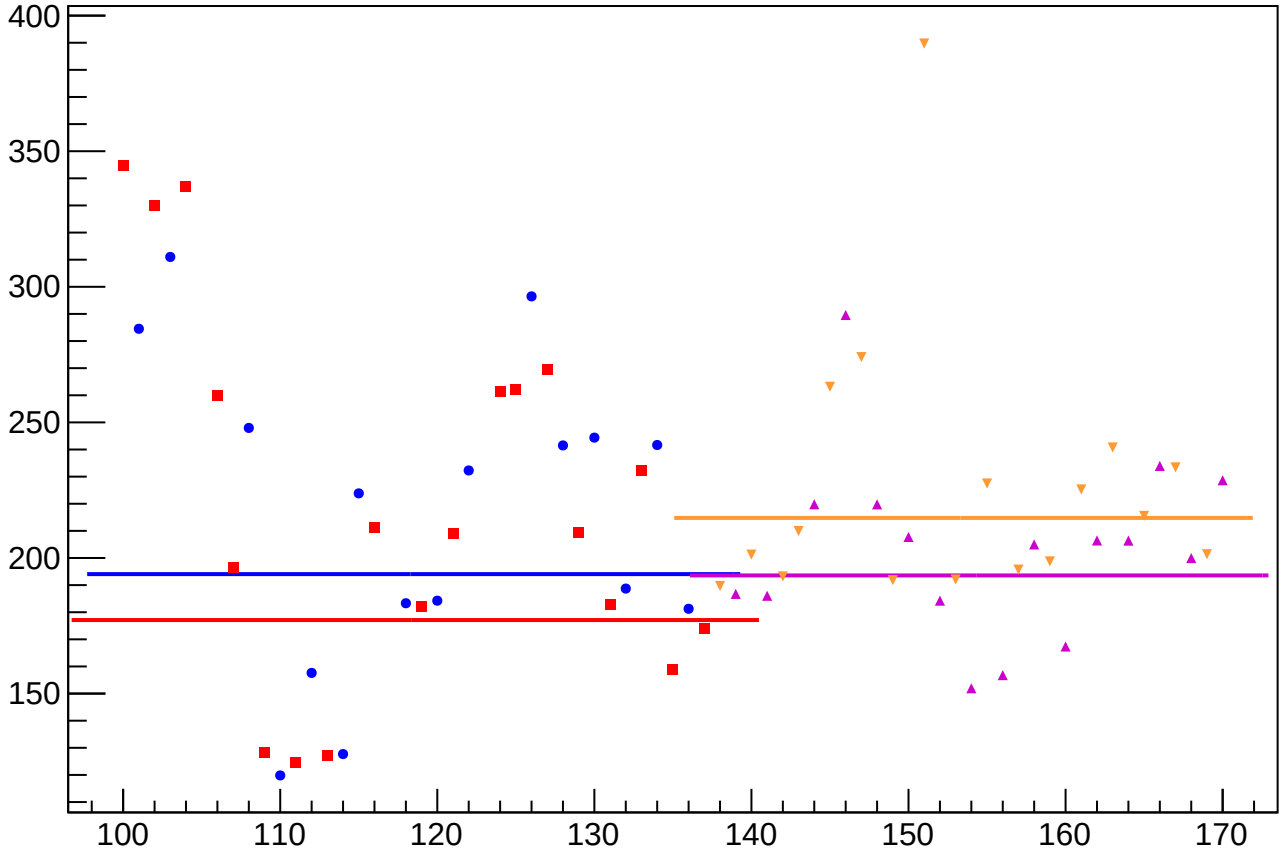
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -779.138+/-44.565 χ^2/NDF:14724.9/31

Out: -614.003+/-45.349 χ^2/NDF:7803.5/35

All: -698.012+/-31.786 χ^2/NDF: 22535.1/67

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.775+/-0.042 χ^2/NDF:609962.3/16

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 193.571+/-0.039 χ^2/NDF:603152.3/15

Left: 203.245+/-0.029 χ^2/NDF: 1348585.7/32

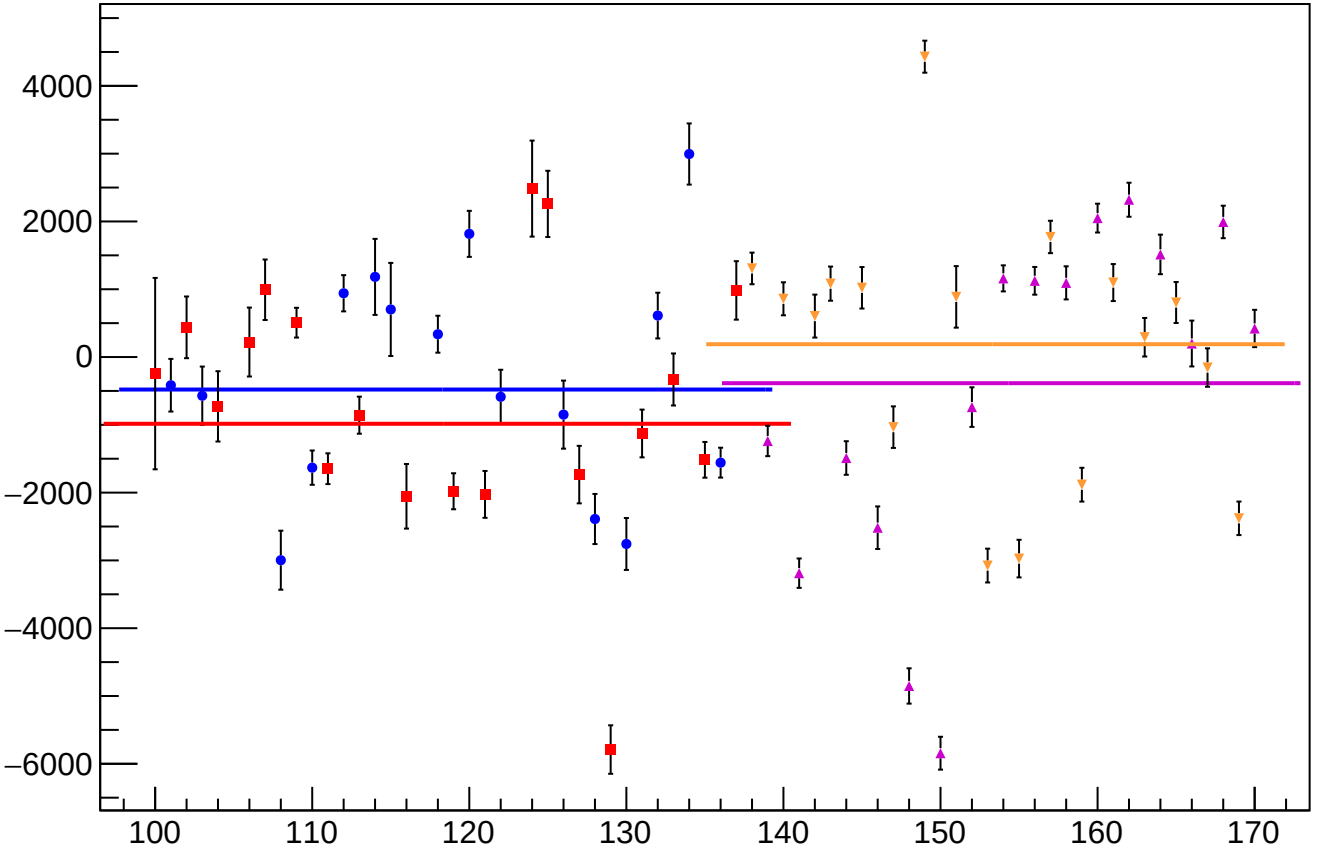
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.737+/-0.032 χ^2/NDF:1568991.3/31

Out: 198.573+/-0.032 χ^2/NDF:2307409.8/35

All: 196.112+/-0.022 χ^2/NDF: 3887971.5/67

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 189.086+/-65.455 χ^2/NDF:932.7/16

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -385.709+/-61.066 χ^2/NDF:1606.4/15

Left: -118.226+/-44.651 χ^2/NDF: 2580.4/32

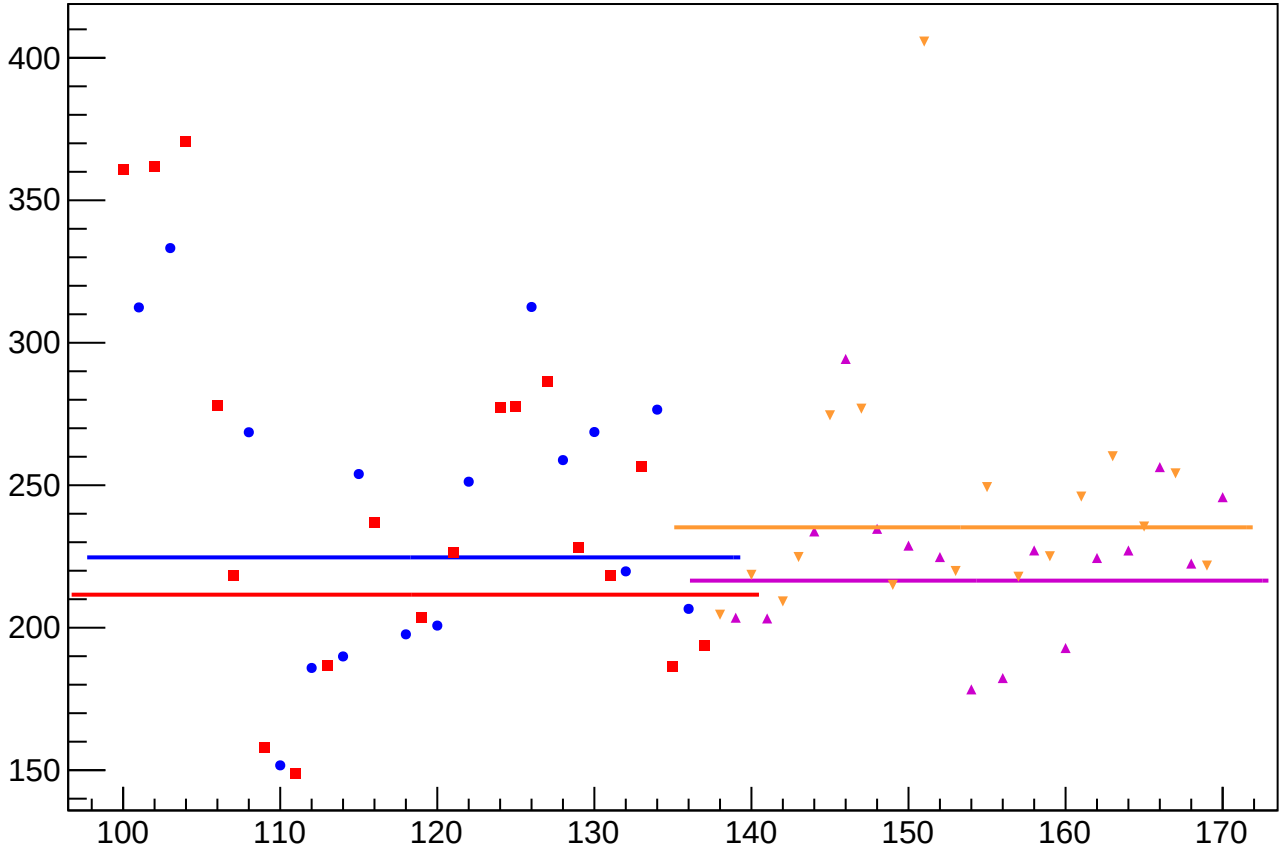
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -416.751+/-49.922 χ^2/NDF:1912.6/31

Out: -274.902+/-50.897 χ^2/NDF:1458.0/35

All: -347.197+/-35.640 χ^2/NDF: 3374.6/67

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.230+/-0.046 χ^2/NDF:487638.5/16

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 216.522+/-0.043 χ^2/NDF:383131.0/15

Left: 225.228+/-0.032 χ^2/NDF: 958115.7/32

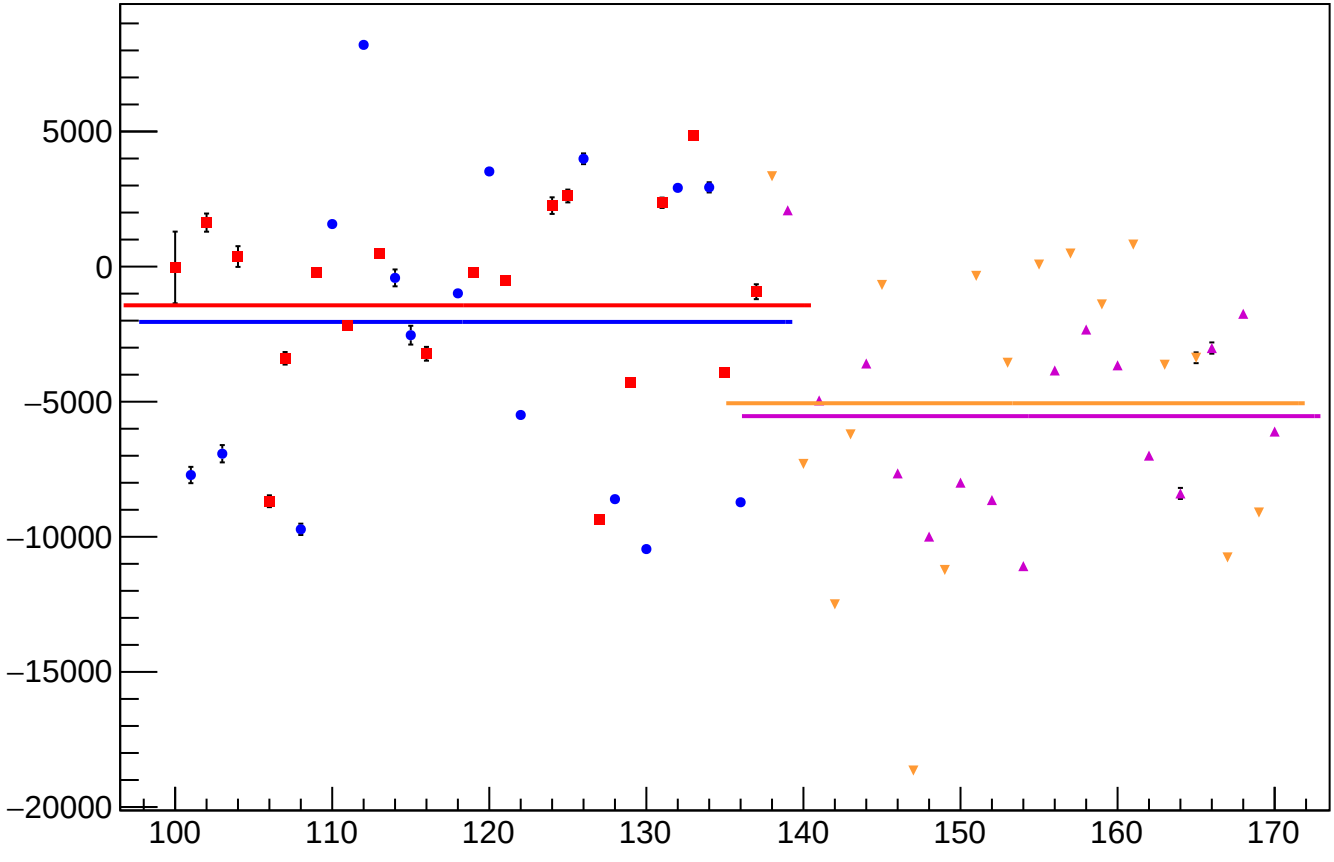
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.229+/-0.035 χ^2/NDF:1048169.8/31

Out: 225.885+/-0.036 χ^2/NDF:1523638.4/35

All: 222.493+/-0.025 χ^2/NDF: 2589244.1/67

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5057.000+/-33.975 χ^2/NDF:31493.0/16

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5534.128+/-34.707 χ^2/NDF:10238.4/15

Left: -5290.479+/-24.279 χ^2/NDF: 41827.9/32

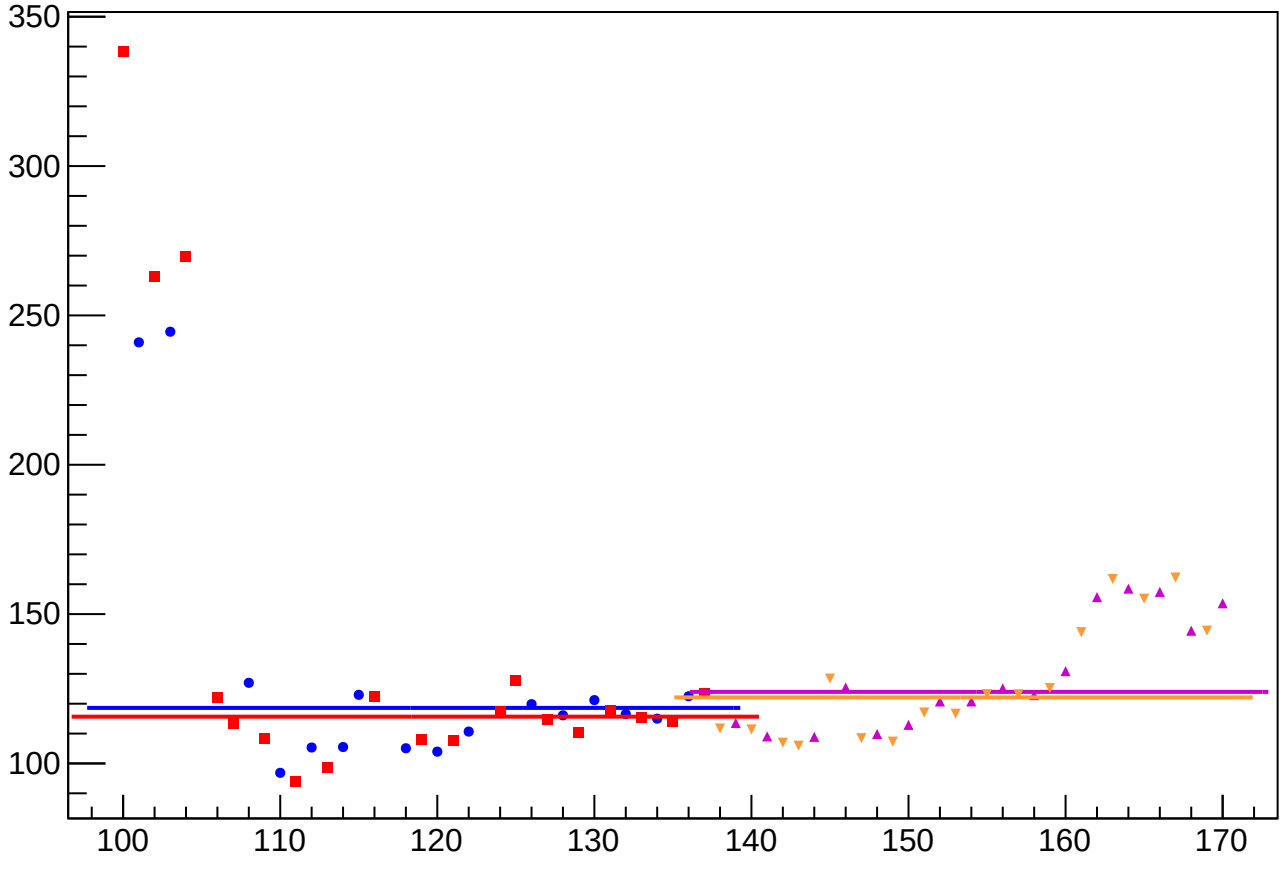
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4294.201+/-27.861 χ^2/NDF:30536.6/31

Out: -3731.049+/-27.055 χ^2/NDF:42043.7/35

All: -4004.363+/-19.410 χ^2/NDF: 72790.5/67

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 122.112+/-0.024 χ^2/NDF:479044.1/16

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 123.954+/-0.025 χ^2/NDF:399765.1/15

Left: 123.013+/-0.017 χ^2/NDF: 881687.9/32

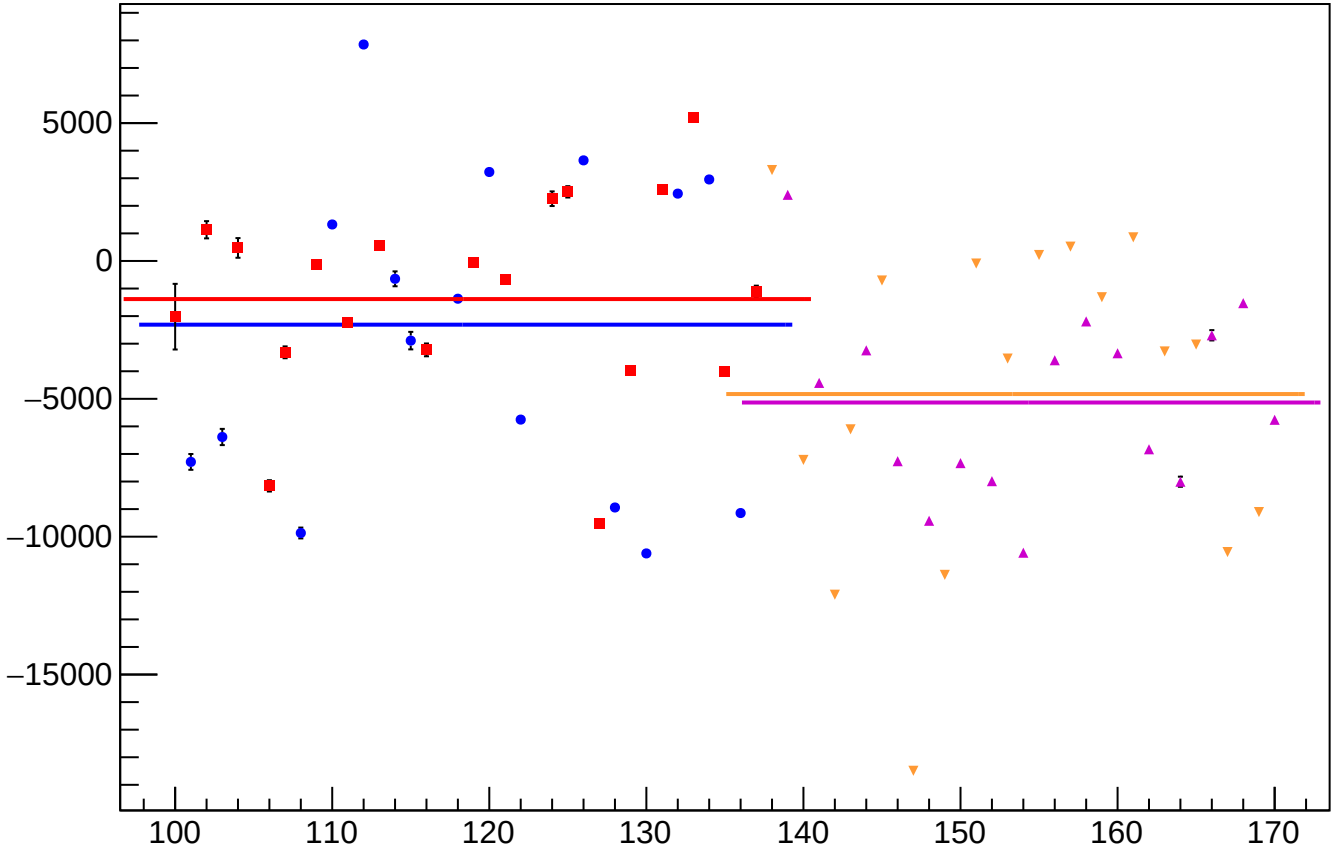
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.049+/-0.020 χ^2/NDF:1150876.9/31

Out: 119.751+/-0.019 χ^2/NDF:1369640.6/35

All: 120.866+/-0.014 χ^2/NDF: 2527518.9/67

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4826.734+/-30.488 χ^2/NDF:38202.6/16

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5134.079+/-31.147 χ^2/NDF:12114.4/15

Left: -4977.119+/-21.788 χ^2/NDF: 50366.8/32

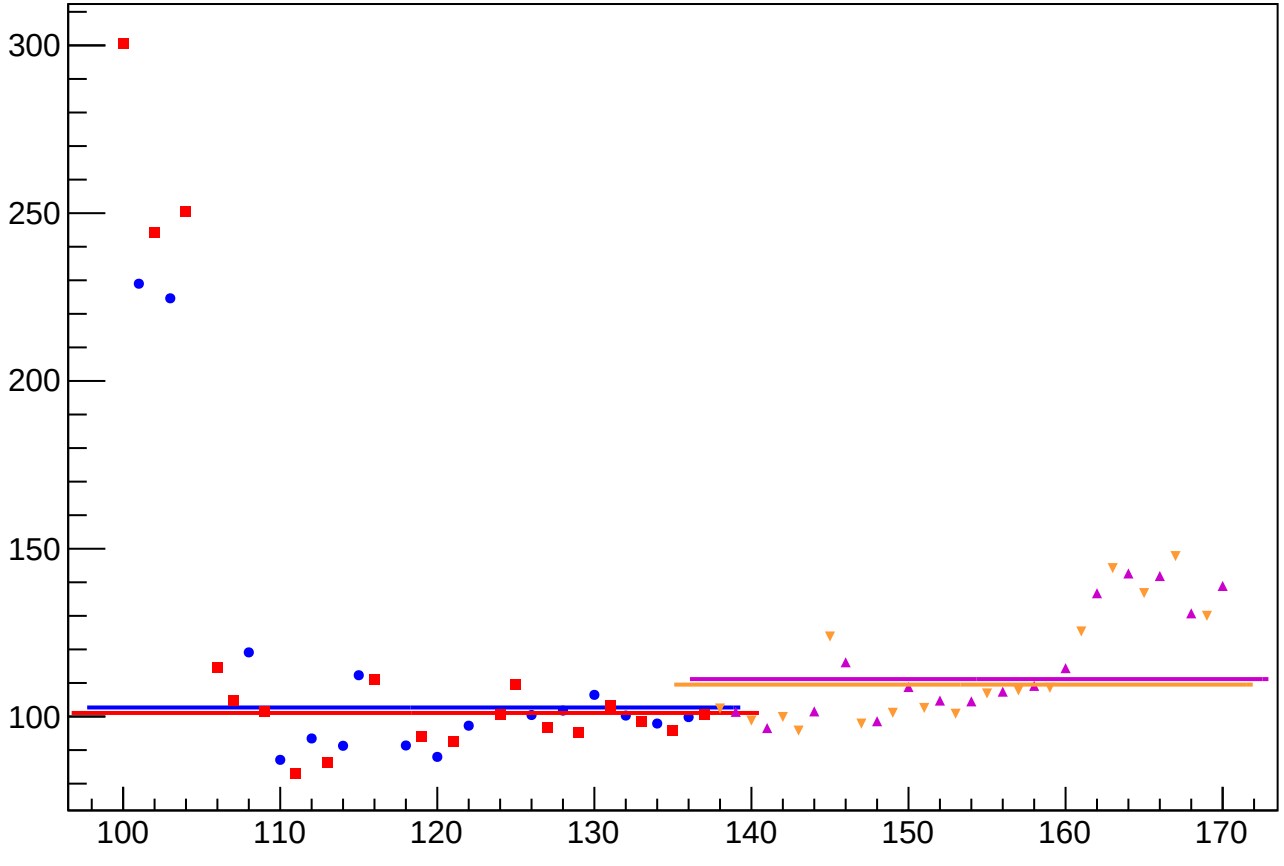
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4092.324+/-24.743 χ^2/NDF:36825.8/31

Out: -3534.289+/-24.099 χ^2/NDF:51571.0/35

All: -3805.948+/-17.264 χ^2/NDF: 88657.8/67

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 109.510+/-0.022 χ^2/NDF:459809.7/16

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 111.158+/-0.022 χ^2/NDF:387762.8/15

Left: 110.316+/-0.015 χ^2/NDF: 850432.4/32

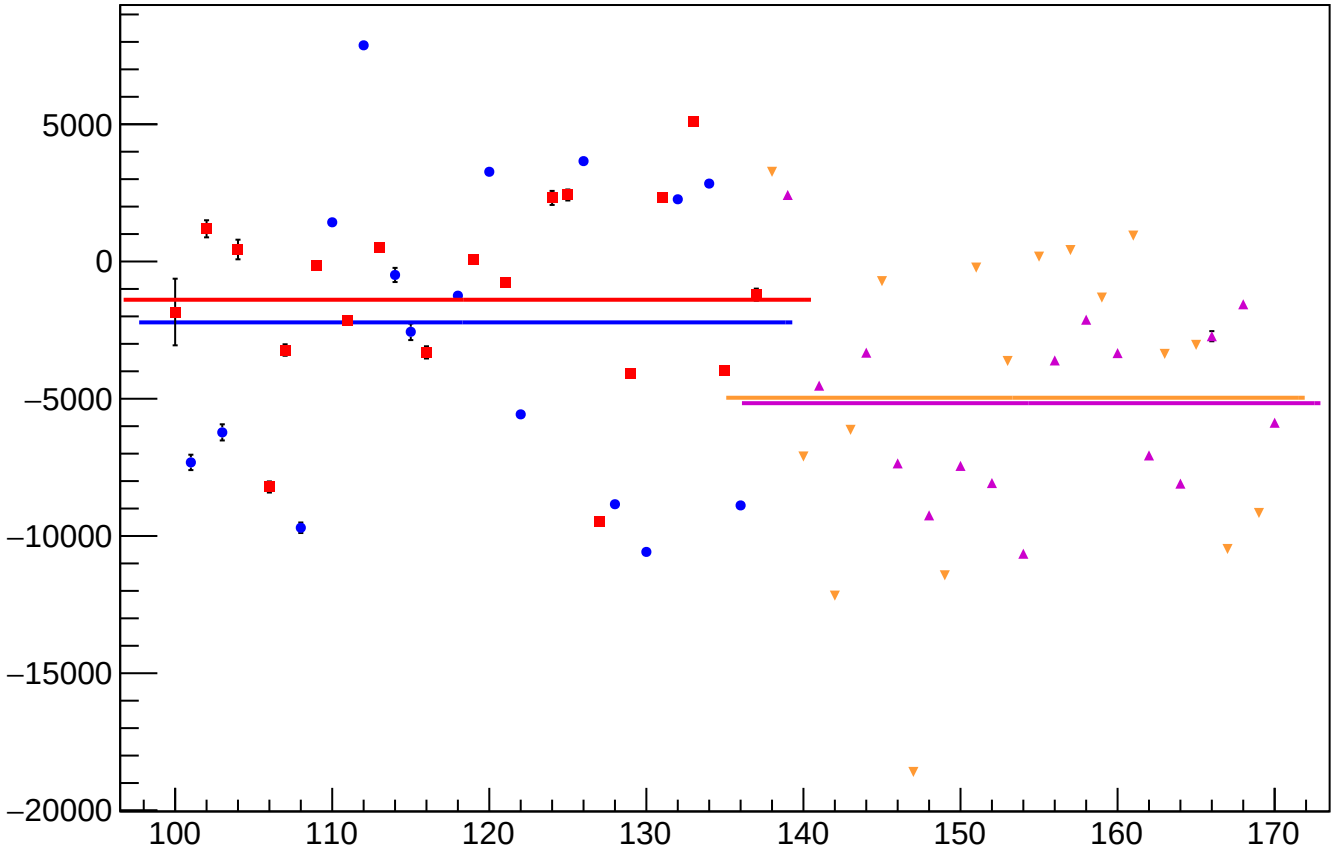
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 108.035+/-0.017 χ^2/NDF:1268059.2/31

Out: 106.341+/-0.017 χ^2/NDF:1447867.7/35

All: 107.166+/-0.012 χ^2/NDF: 2720740.4/67

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4963.573+/-29.848 χ^2/NDF:41006.0/16

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5161.634+/-30.458 χ^2/NDF:12834.9/15

Left: -5060.601+/-21.318 χ^2/NDF: 53862.6/32

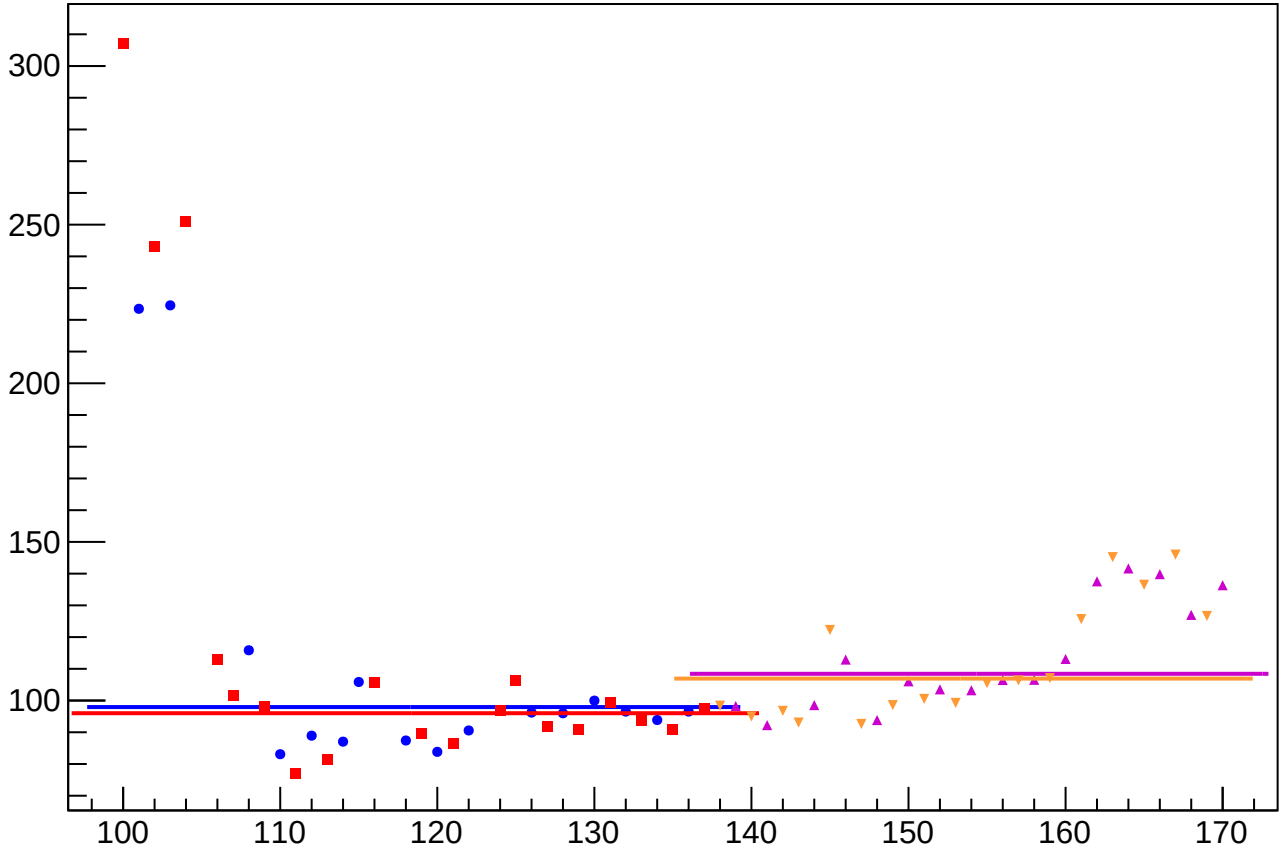
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4047.838+/-24.014 χ^2/NDF:39409.8/31

Out: -3582.602+/-23.373 χ^2/NDF:55691.9/35

All: -3808.928+/-16.749 χ^2/NDF: 95294.4/67

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 106.919+/-0.021 χ^2/NDF:533068.2/16

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 108.430+/-0.022 χ^2/NDF:440271.4/15

Left: 107.659+/-0.015 χ^2/NDF: 975848.1/32

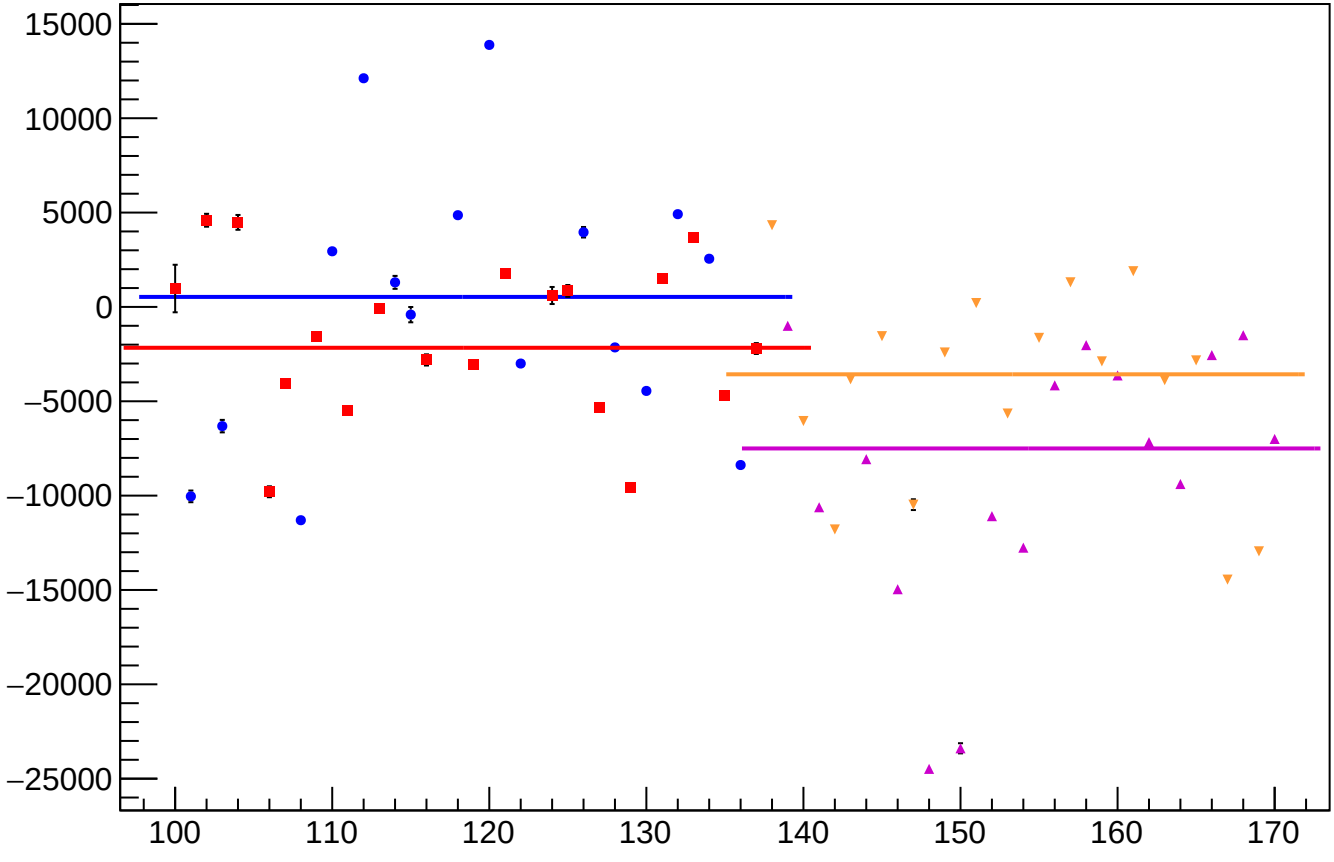
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 104.462+/-0.017 χ^2/NDF:1398116.8/31

Out: 102.697+/-0.017 χ^2/NDF:1648802.1/35

All: 103.556+/-0.012 χ^2/NDF: 3052465.0/67

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3570.718+/-42.975 χ^2/NDF:13808.7/16

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7500.428+/-44.400 χ^2/NDF:16860.0/15

Left: -5471.490+/-30.879 χ^2/NDF: 34713.2/32

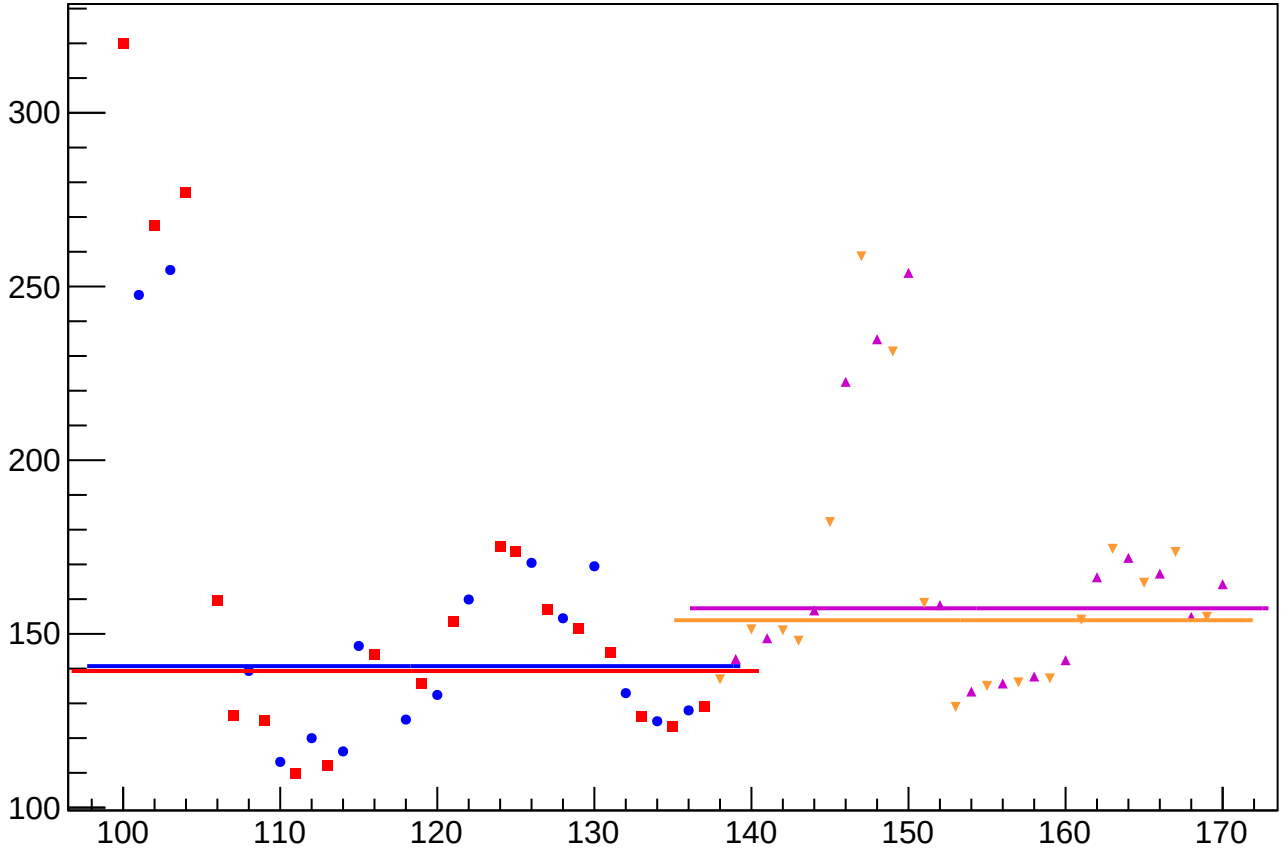
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4321.569+/-34.512 χ^2/NDF:48397.7/31

Out: -3018.889+/-33.494 χ^2/NDF:19195.9/35

All: -3650.740+/-24.036 χ^2/NDF: 68327.3/67

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 153.933+/-0.030 χ^2/NDF:717901.7/16

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 157.368+/-0.031 χ^2/NDF:779814.2/15

Left: 155.595+/-0.022 χ^2/NDF: 1503897.3/32

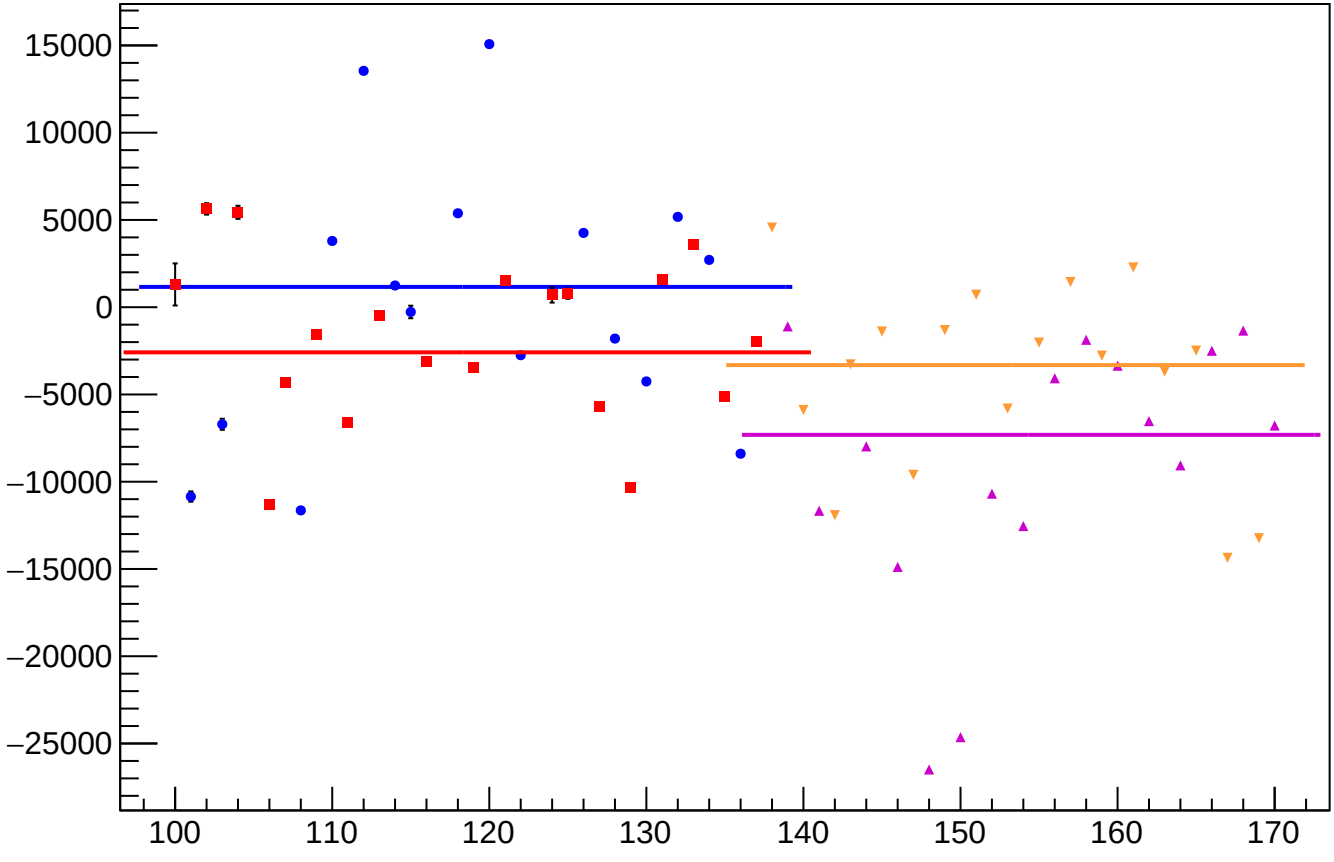
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 150.777+/-0.024 χ^2/NDF:1566798.0/31

Out: 148.195+/-0.024 χ^2/NDF:1611034.2/35

All: 149.447+/-0.017 χ^2/NDF: 3183593.5/67

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -3316.027+/-37.991 χ^2/NDF:18004.5/16

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7313.186+/-39.385 χ^2/NDF:22326.0/15

Left: -5242.625+/-27.343 χ^2/NDF: 45666.0/32

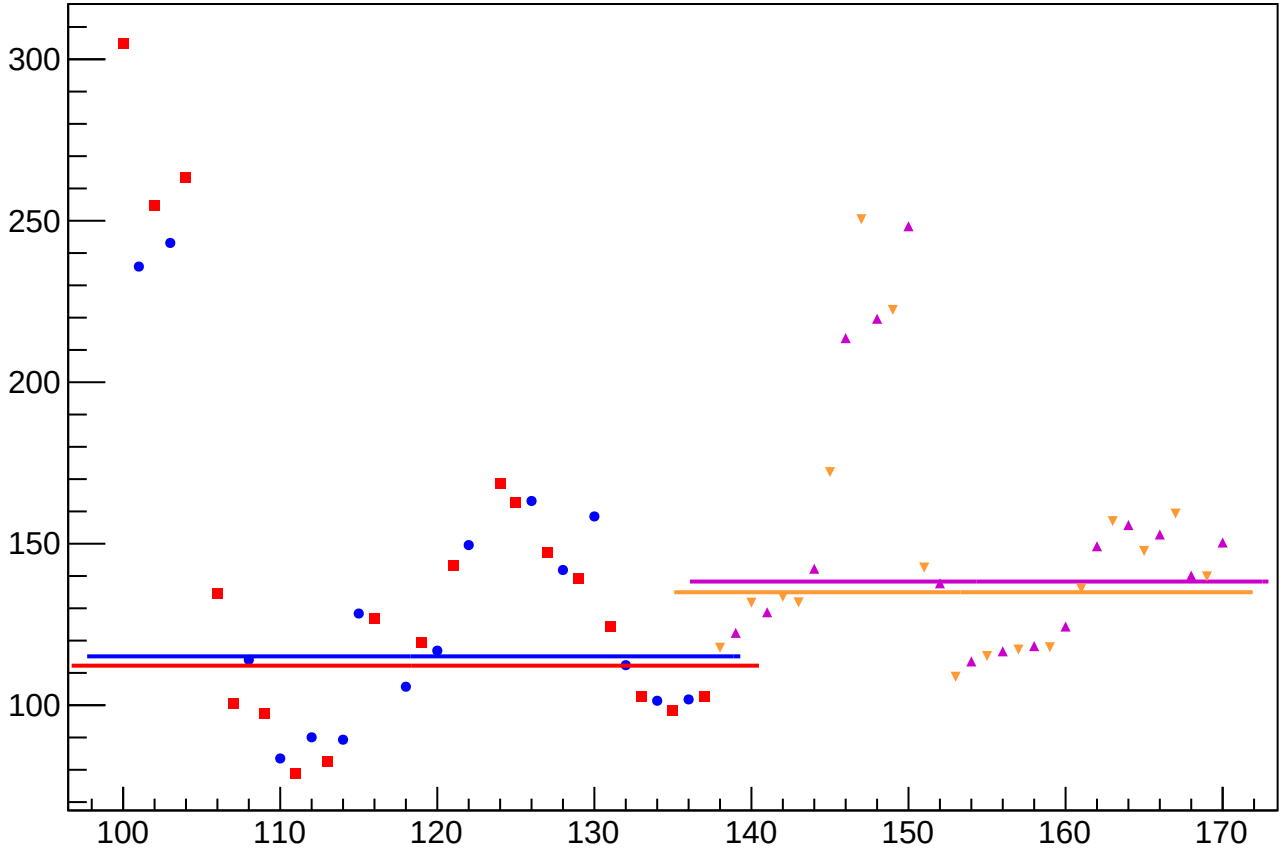
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3721.539+/-29.898 χ^2/NDF:72706.1/31

Out: -3006.621+/-28.827 χ^2/NDF:26260.6/35

All: -3351.041+/-20.752 χ^2/NDF: 99262.9/67

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.976+/-0.027 χ^2/NDF:1013880.9/16

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 138.286+/-0.028 χ^2/NDF:1077544.0/15

Left: 136.572+/-0.019 χ^2/NDF: 2098741.8/32

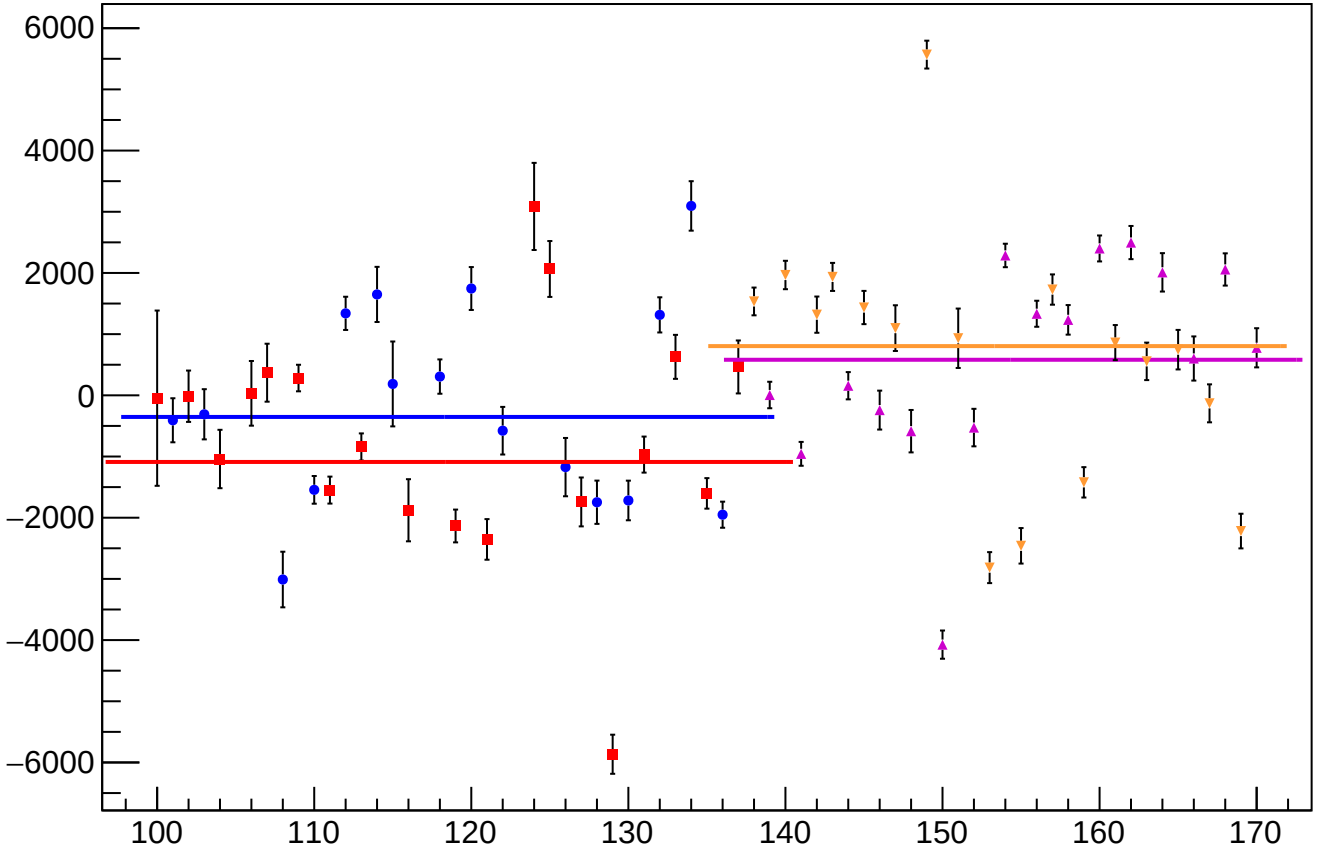
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 128.472+/-0.021 χ^2/NDF:2483593.3/31

Out: 125.330+/-0.020 χ^2/NDF:2645909.1/35

All: 126.844+/-0.015 χ^2/NDF: 5140946.6/67

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 804.445+/-66.234 χ^2/NDF:1055.3/16

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 581.195+/-62.056 χ^2/NDF:786.2/15

Left: 685.556+/-45.285 χ^2/NDF: 1847.6/32

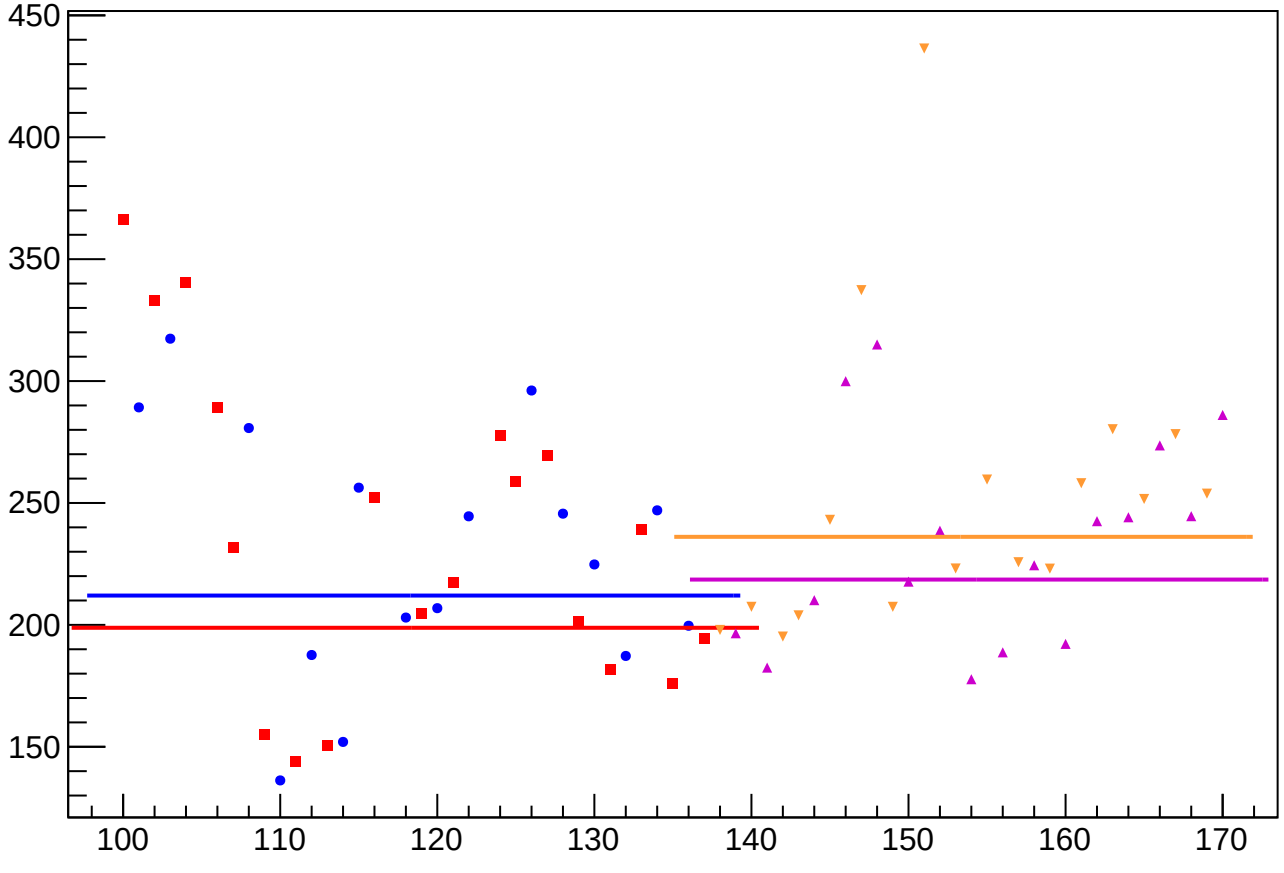
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 241.672+/-49.513 χ^2/NDF:1230.4/31

Out: -7.374+/-50.058 χ^2/NDF:1852.8/35

All: 118.512+/-35.202 χ^2/NDF: 3095.7/67

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 236.112+/-0.047 χ^2/NDF:815181.1/16

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 218.586+/-0.044 χ^2/NDF:732589.2/15

Left: 226.779+/-0.032 χ^2/NDF: 1622346.7/32

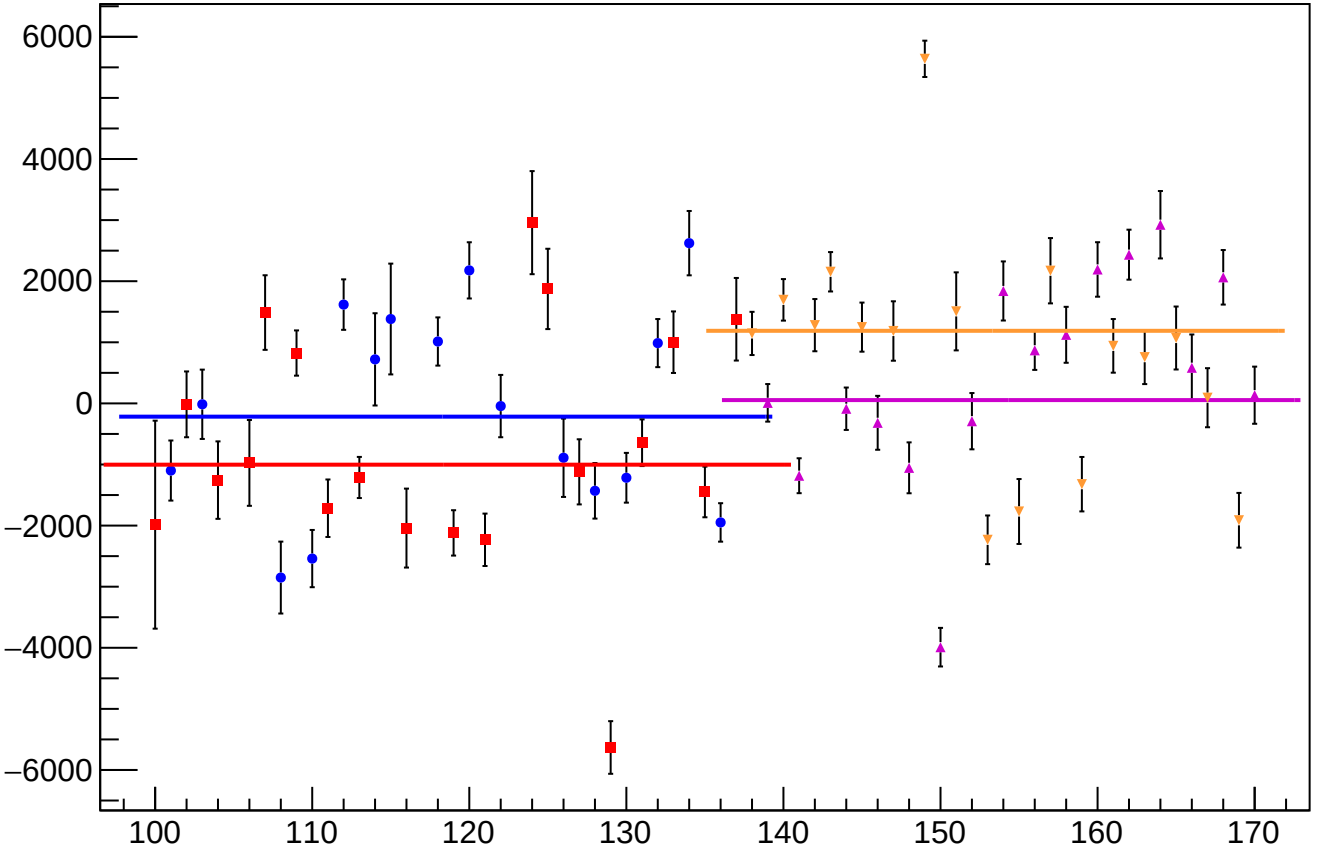
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 216.202+/-0.035 χ^2/NDF:1431064.4/31

Out: 220.116+/-0.035 χ^2/NDF:2062133.2/35

All: 218.138+/-0.025 χ^2/NDF: 3499377.8/67

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1188.092+/-101.170 χ^2/NDF:430.0/16

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: 54.082+/-98.644 χ^2/NDF:322.0/15

Left: 606.749+/-70.628 χ^2/NDF: 816.3/32

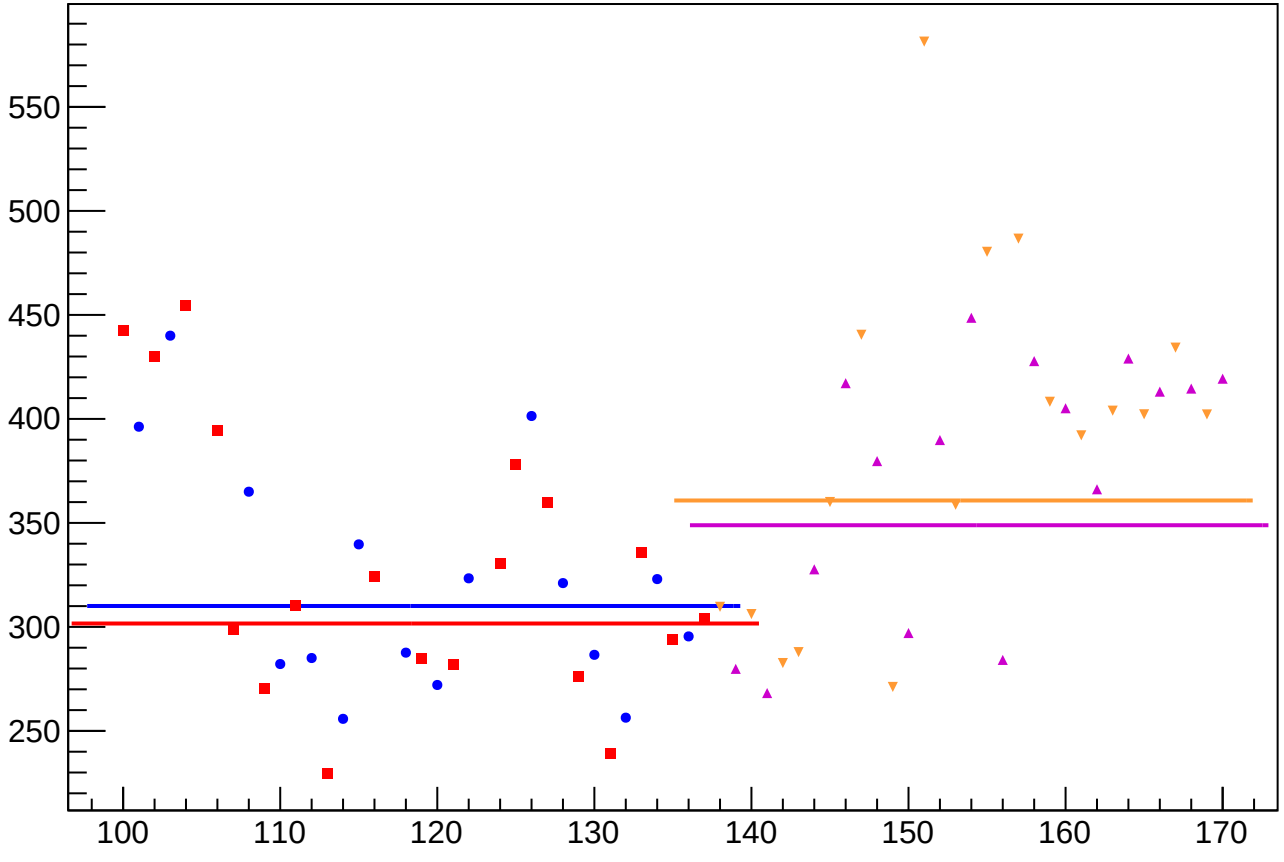
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -57.535+/-75.652 χ^2/NDF:517.2/31

Out: 214.238+/-75.408 χ^2/NDF:892.8/35

All: 78.792+/-53.408 χ^2/NDF: 1416.5/67

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 360.783+/-0.072 χ^2/NDF:1077352.3/16

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 348.885+/-0.070 χ^2/NDF:816184.0/15

Left: 354.684+/-0.050 χ^2/NDF: 1907714.3/32

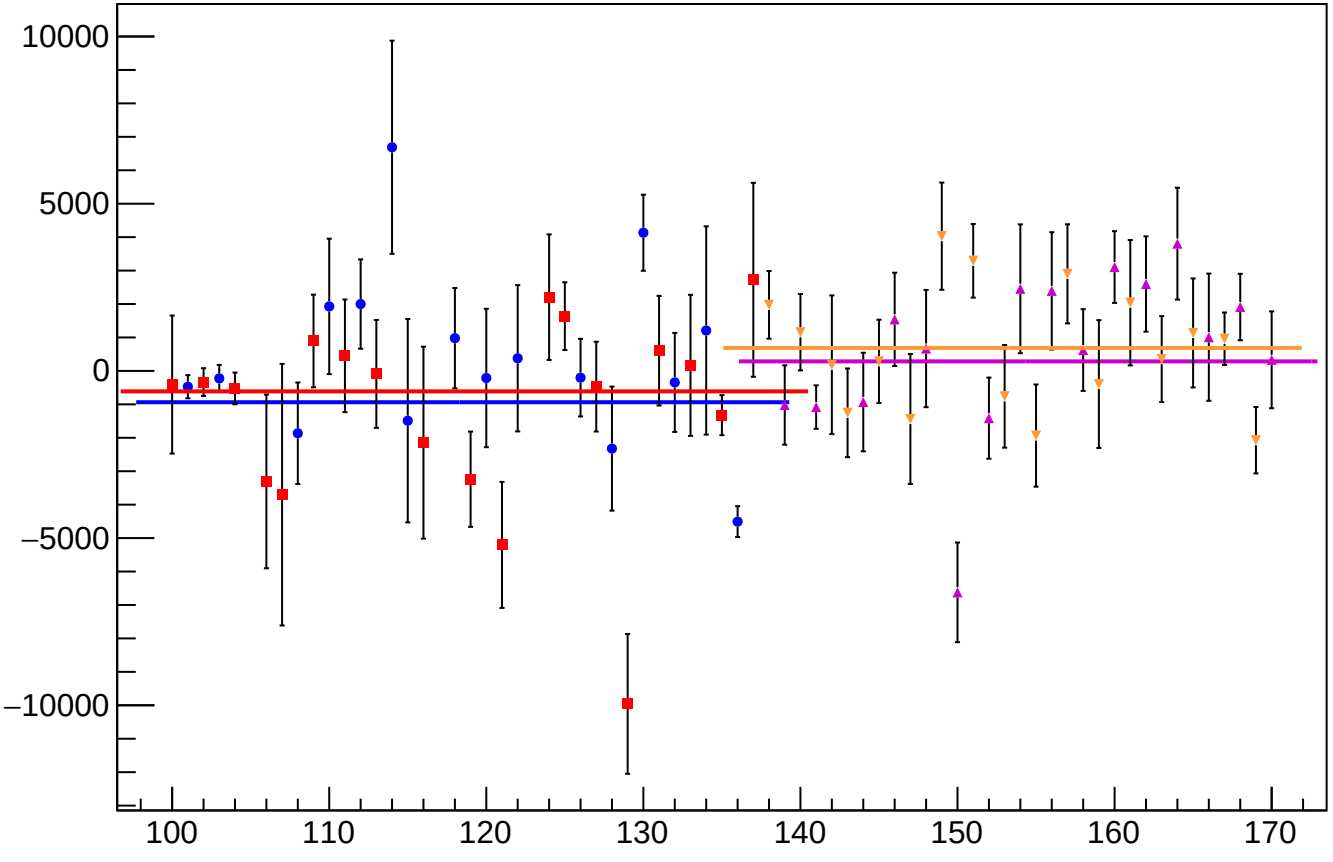
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 332.897+/-0.053 χ^2/NDF:1267051.0/31

Out: 334.495+/-0.053 χ^2/NDF:1901042.4/35

All: 333.699+/-0.038 χ^2/NDF: 3168541.1/67

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 686.758+/-313.832 χ^2/NDF:30.1/16

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 284.990+/-312.283 χ^2/NDF:50.2/15

Left: 484.880+/-221.363 χ^2/NDF: 81.2/32

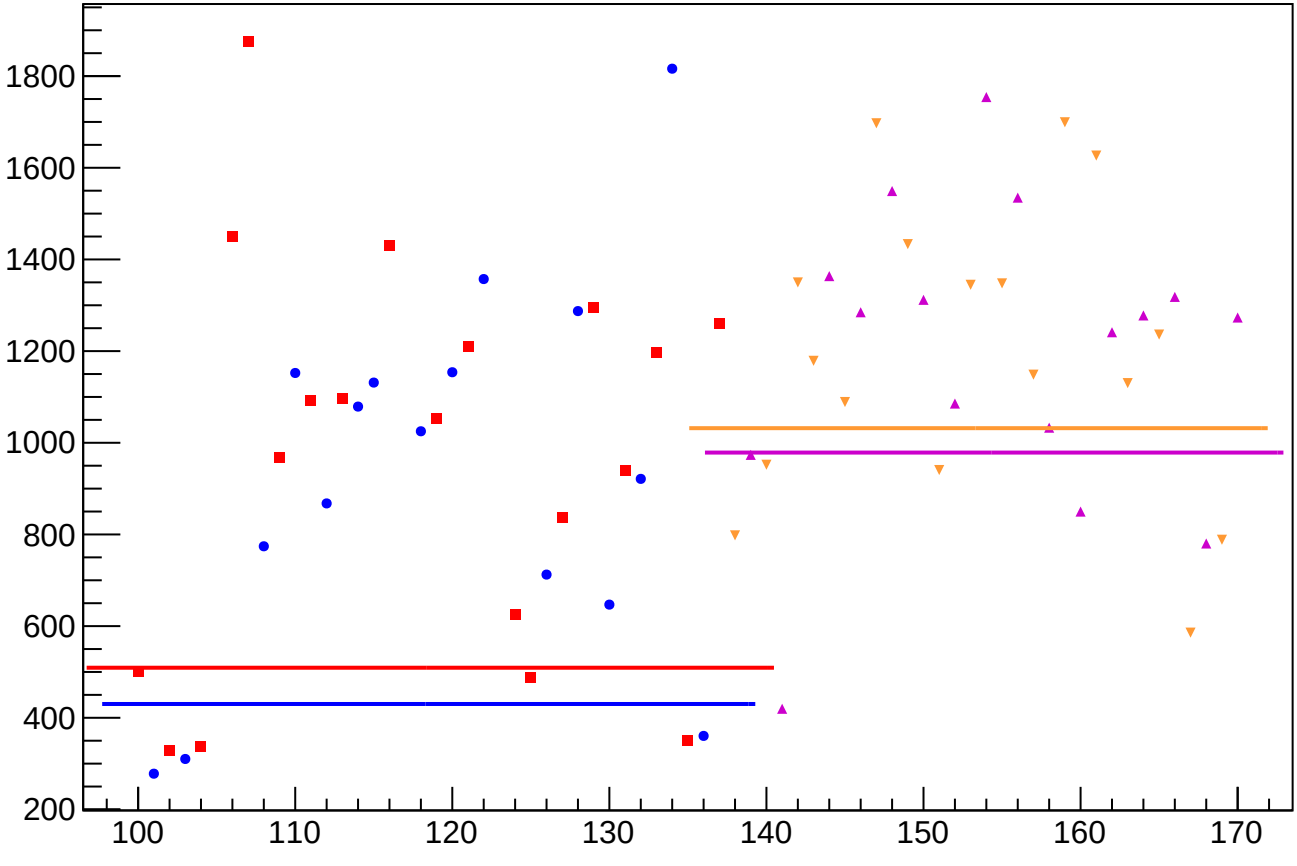
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -569.666+/-171.208 χ^2/NDF:162.1/31

Out: -149.915+/-187.152 χ^2/NDF:85.3/35

All: -378.429+/-126.324 χ^2/NDF: 250.1/67

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1031.877+/-0.222 χ^2/NDF:2002033.8/16

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 978.642+/-0.221 χ^2/NDF:2955188.2/15

Left: 1005.128+/-0.157 χ^2/NDF: 4986138.3/32

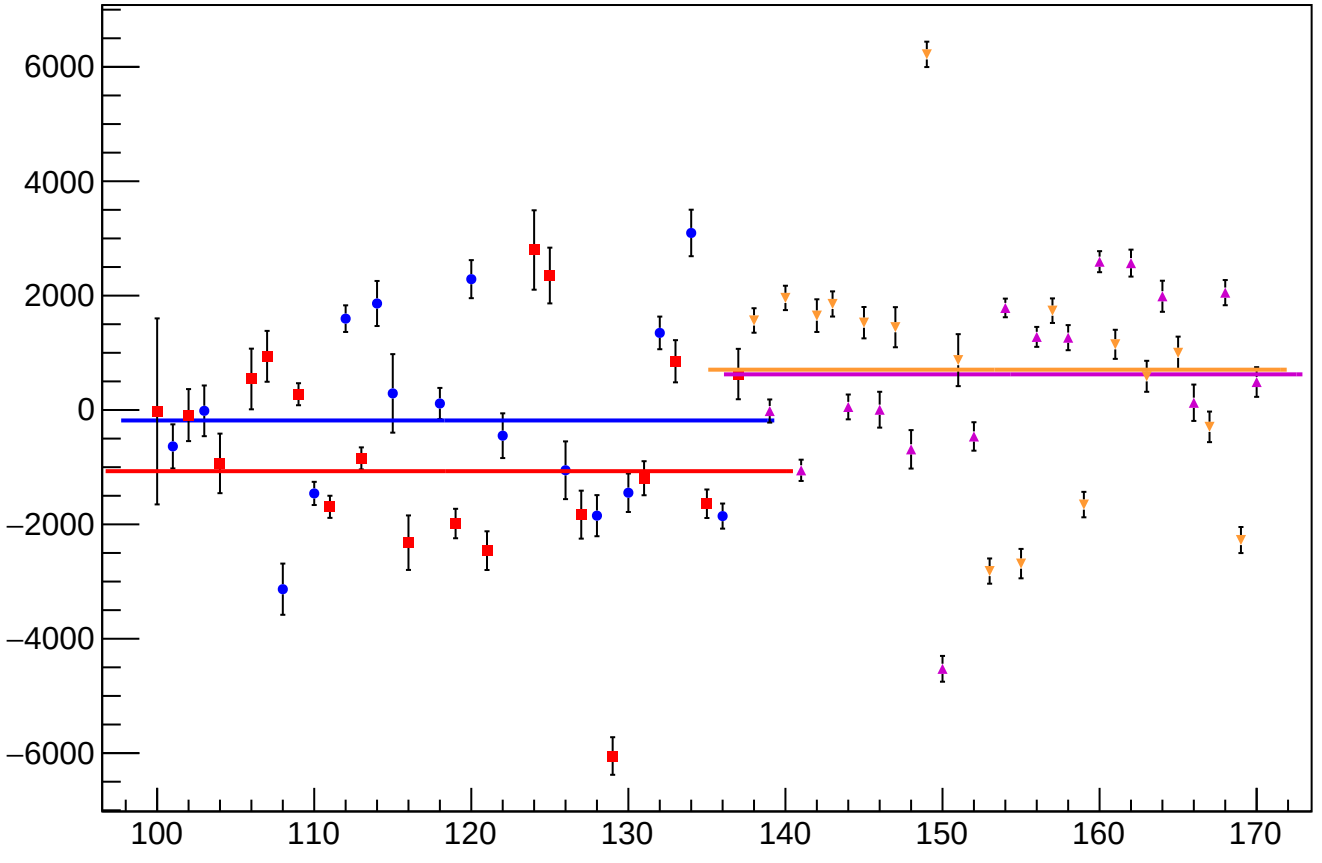
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 594.985+/-0.121 χ^2/NDF:10793024.0/31

Out: 695.100+/-0.132 χ^2/NDF:9249673.7/35

All: 640.597+/-0.089 χ^2/NDF: 20354275.3/67

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 705.073+/-60.233 χ^2/NDF:1473.4/16

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 623.296+/-55.283 χ^2/NDF:983.7/15

Left: 660.686+/-40.729 χ^2/NDF: 2458.0/32

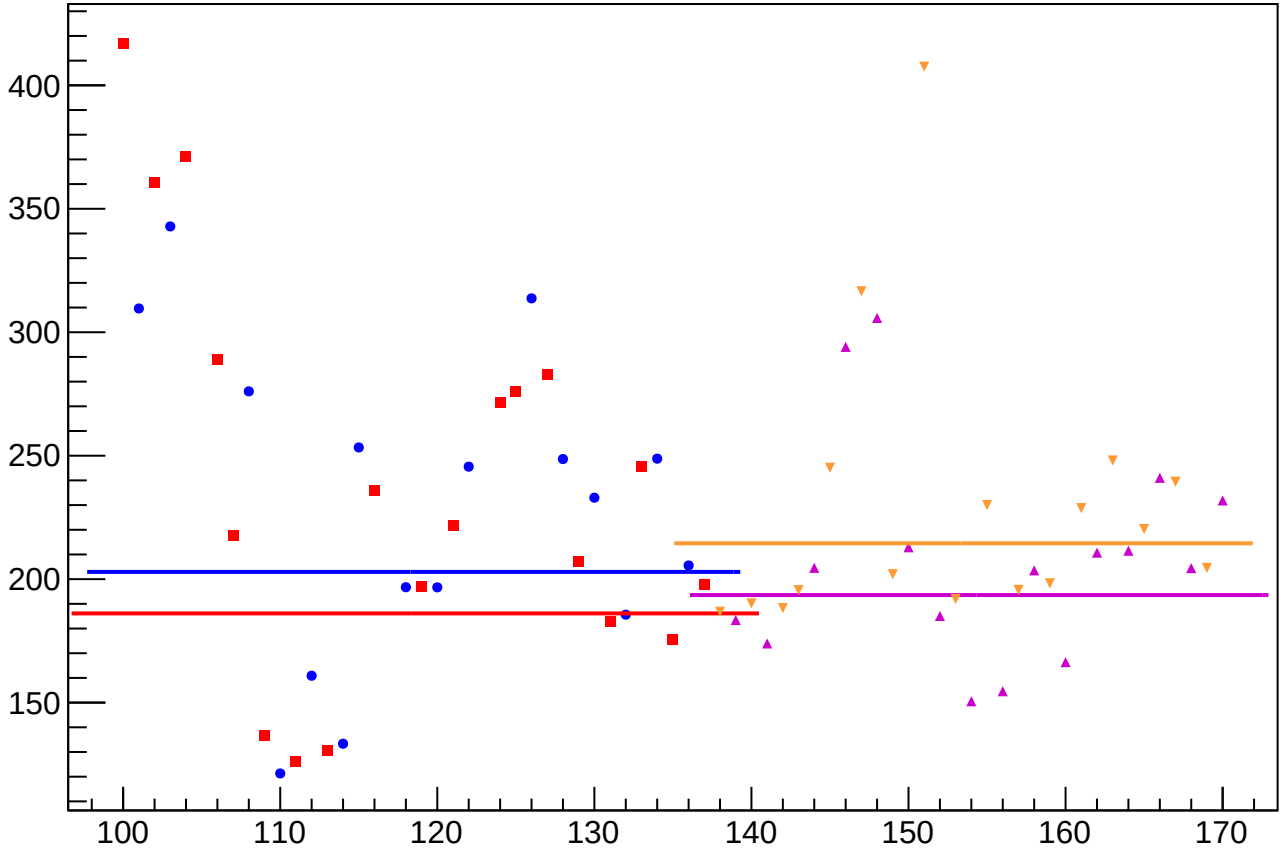
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 362.095+/-45.455 χ^2/NDF:1470.3/31

Out: -13.102+/-46.475 χ^2/NDF:2316.9/35

All: 178.660+/-32.496 χ^2/NDF: 3820.6/67

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 214.528+/-0.043 χ^2/NDF:766122.7/16

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 193.560+/-0.039 χ^2/NDF:877294.6/15

Left: 203.147+/-0.029 χ^2/NDF: 1774957.1/32

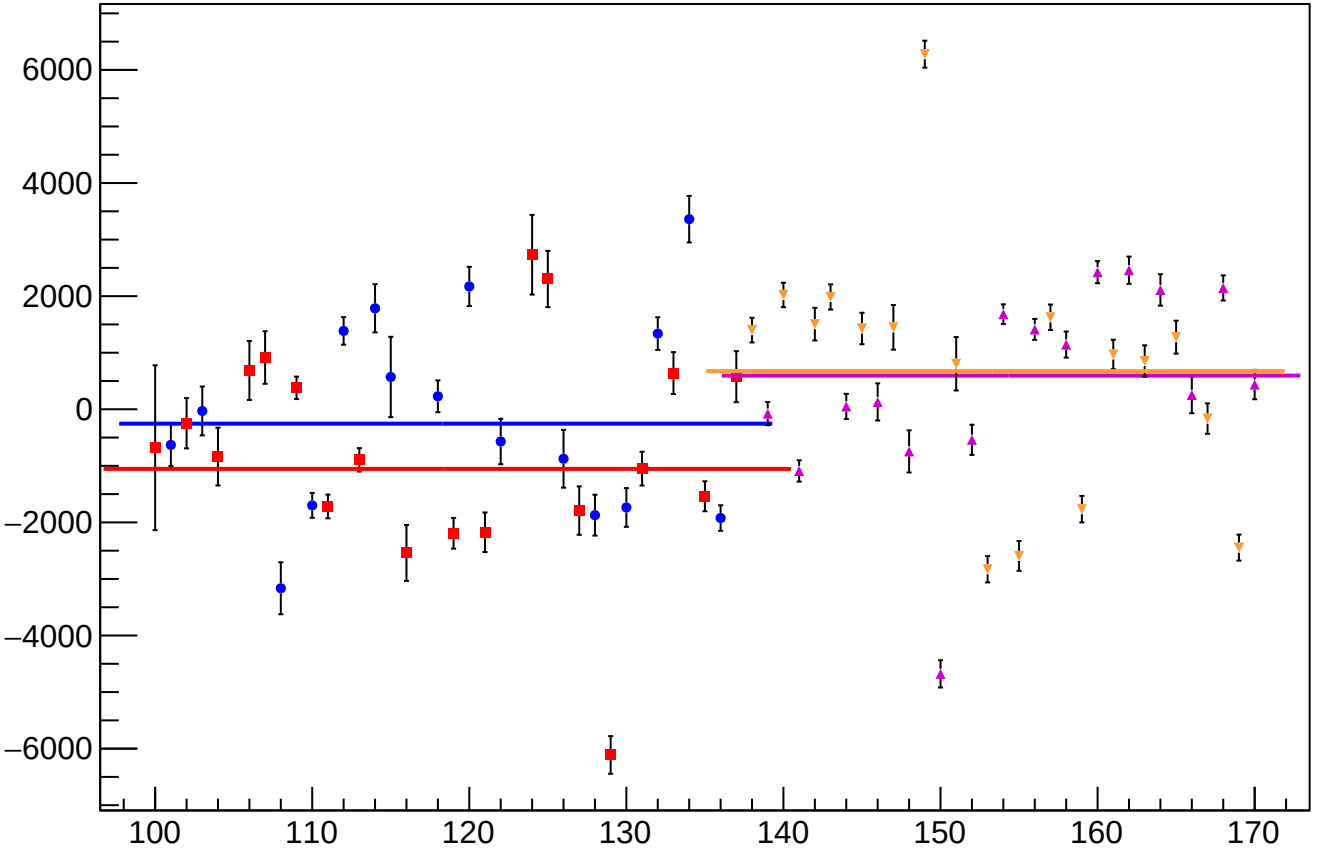
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 196.599+/-0.032 χ^2/NDF:1967809.5/31

Out: 203.036+/-0.033 χ^2/NDF:2427686.4/35

All: 199.746+/-0.023 χ^2/NDF: 4415103.6/67

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 674.631+/-62.114 χ^2/NDF:1361.3/16

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 595.508+/-57.553 χ^2/NDF:900.6/15

Left: 632.058+/-42.217 χ^2/NDF: 2262.7/32

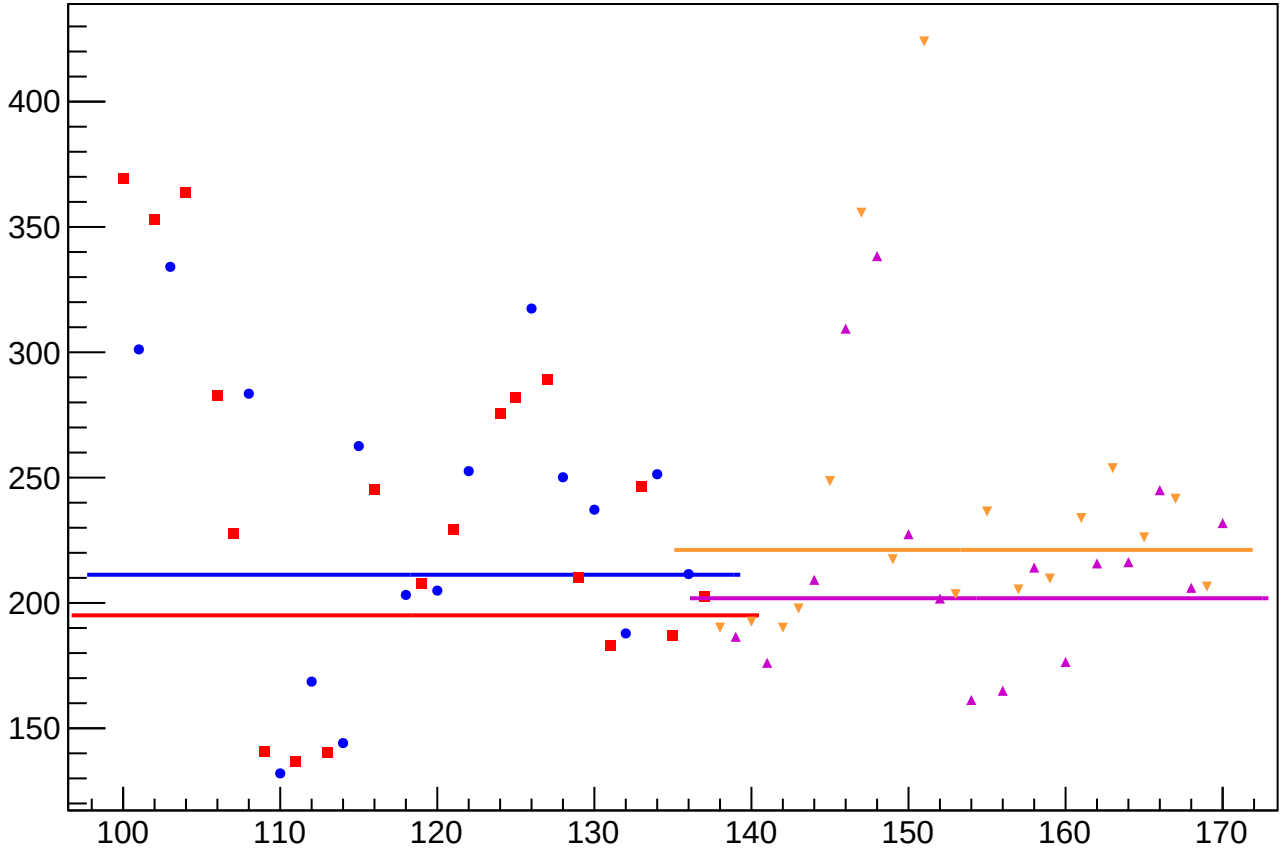
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 317.220+/-47.200 χ^2/NDF:1381.3/31

Out: -17.857+/-48.087 χ^2/NDF:2149.2/35

All: 152.800+/-33.685 χ^2/NDF: 3555.1/67

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.160+/-0.044 χ^2/NDF:827865.4/16

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 201.873+/-0.041 χ^2/NDF:858440.4/15

Left: 210.782+/-0.030 χ^2/NDF: 1790063.7/32

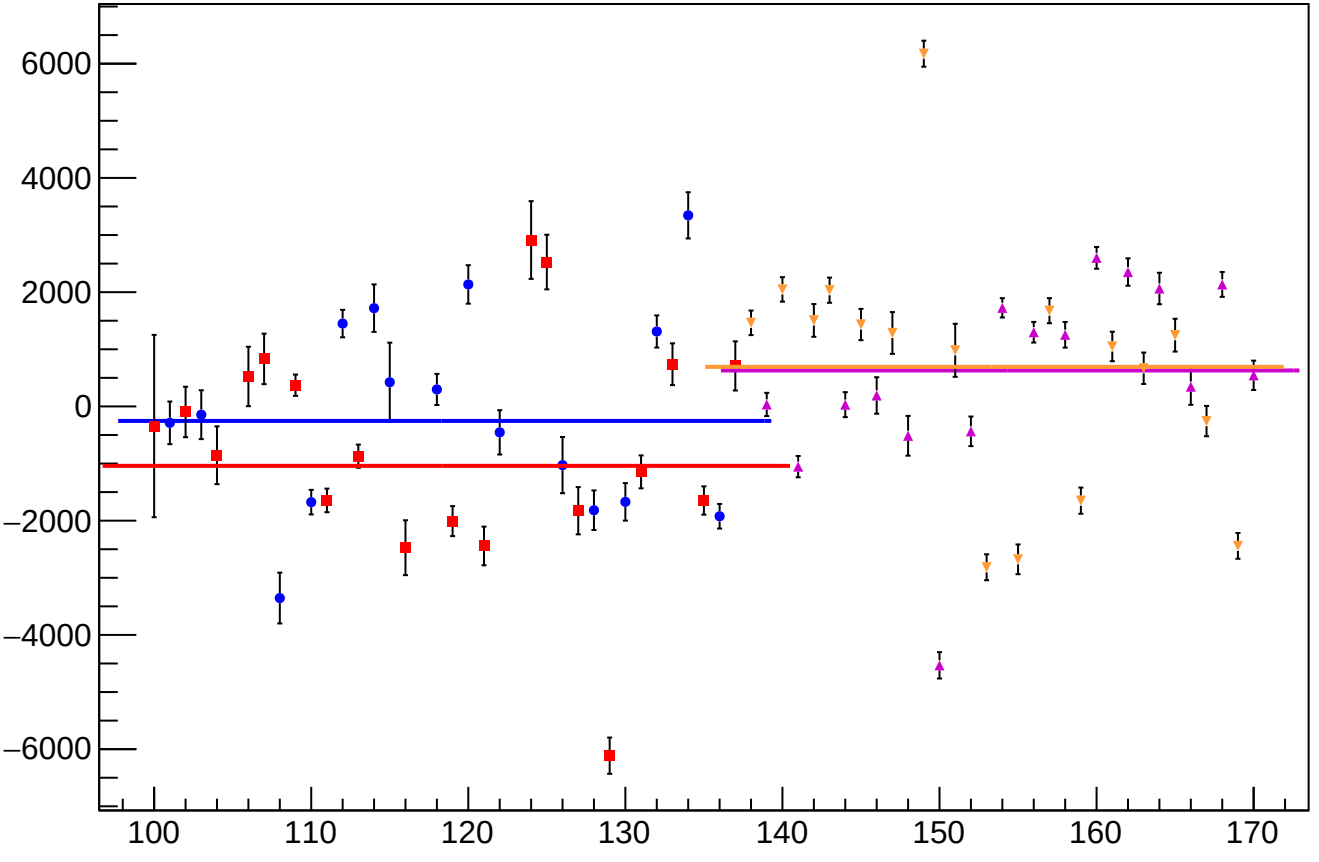
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 204.944+/-0.033 χ^2/NDF:1760200.8/31

Out: 210.703+/-0.034 χ^2/NDF:2254216.0/35

All: 207.770+/-0.024 χ^2/NDF: 4029027.4/67

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 692.255+/-60.982 χ^2/NDF:1428.6/16

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 629.221+/-56.324 χ^2/NDF:926.1/15

Left: 658.239+/-41.376 χ^2/NDF: 2355.4/32

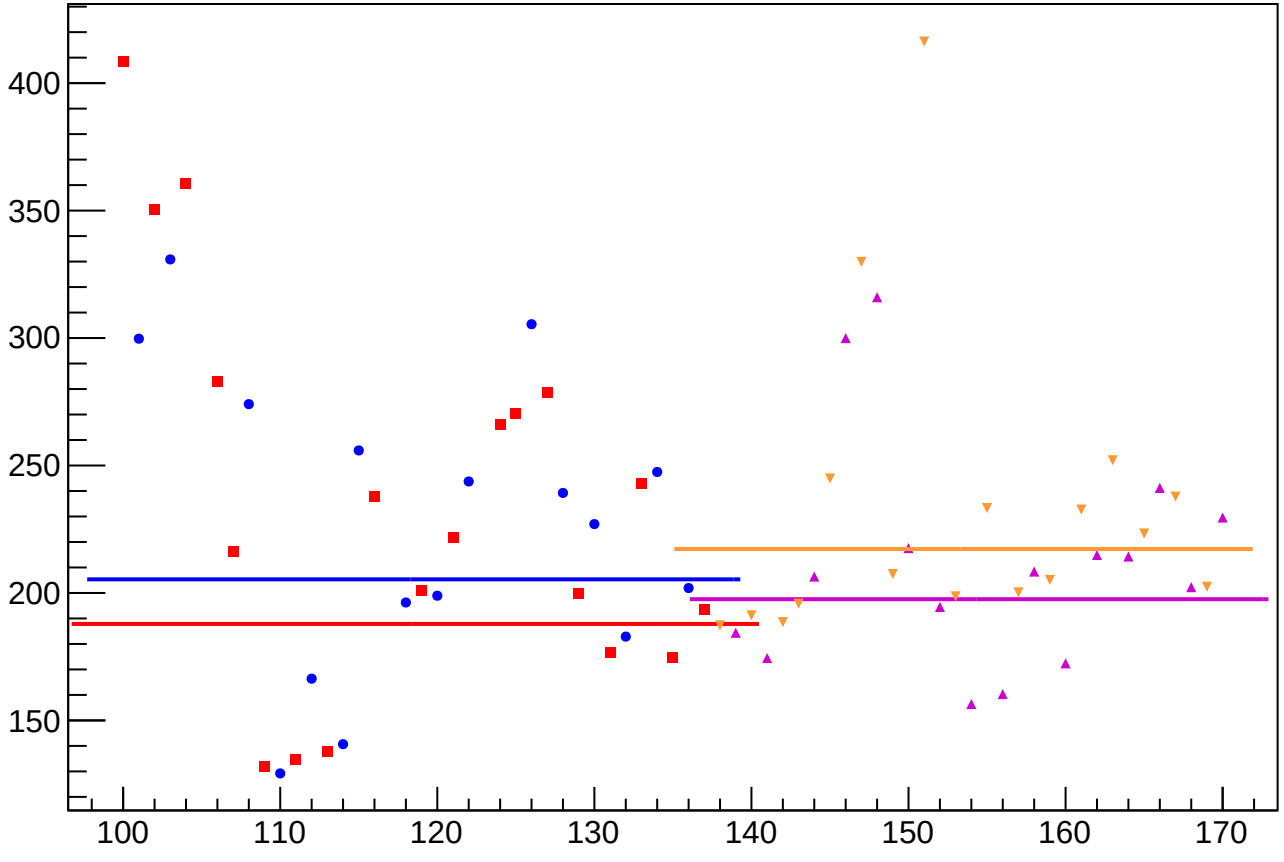
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 337.586+/-46.097 χ^2/NDF:1439.4/31

Out: -15.726+/-46.896 χ^2/NDF:2291.9/35

All: 163.967+/-32.874 χ^2/NDF: 3760.2/67

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.233+/-0.043 χ^2/NDF:788577.2/16

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 197.555+/-0.040 χ^2/NDF:825916.1/15

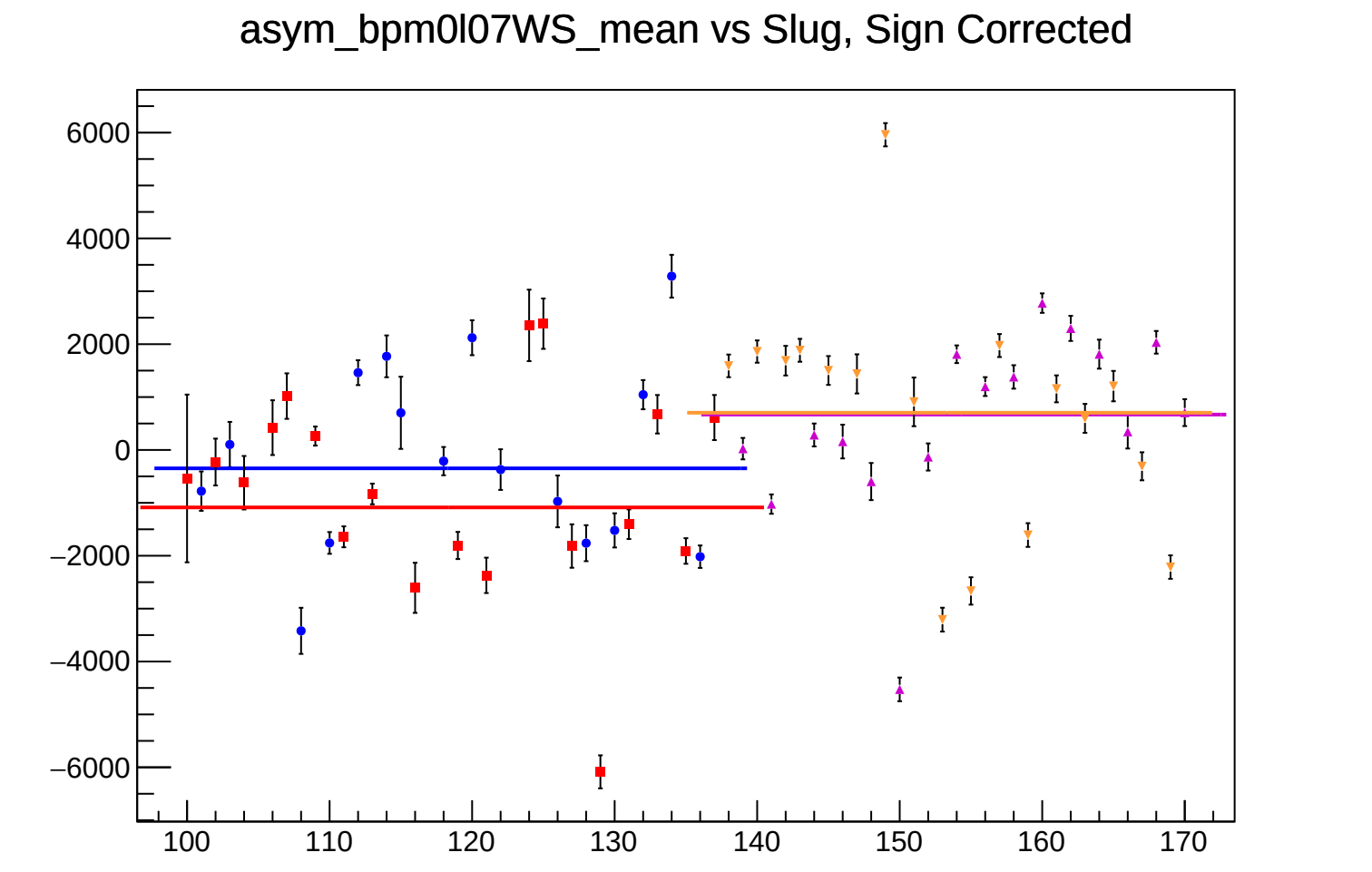
Left: 206.614+/-0.029 χ^2/NDF: 1726883.0/32

Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 200.126+/-0.033 χ^2/NDF:1715935.3/31

Out: 205.226+/-0.033 χ^2/NDF:2315383.6/35

All: 202.632+/-0.023 χ^2/NDF: 4043350.8/67



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 703.967+/-60.219 χ^2/NDF:1479.3/16

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 668.653+/-55.571 χ^2/NDF:965.8/15

Left: 684.895+/-40.839 χ^2/NDF: 2445.4/32

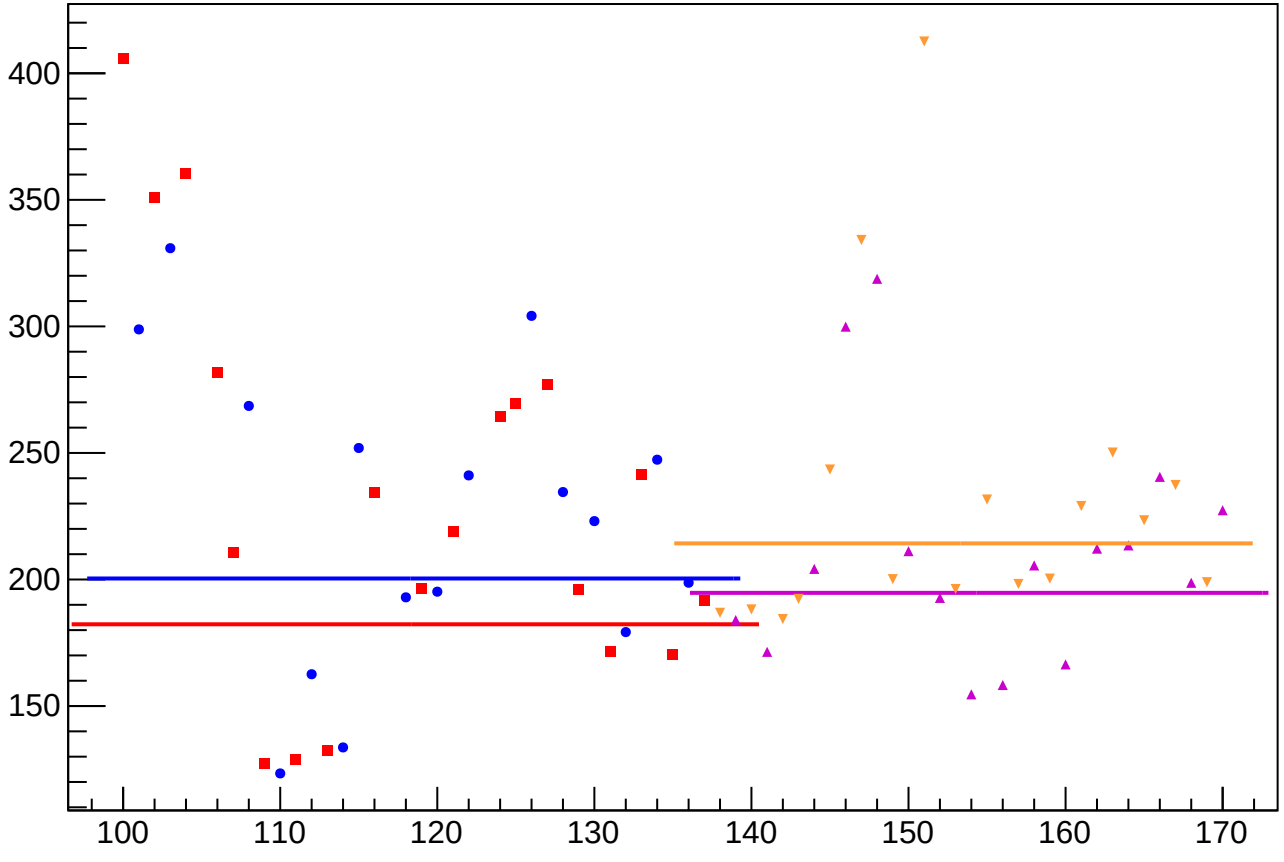
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 329.756+/-45.369 χ^2/NDF:1523.2/31

Out: -38.628+/-46.070 χ^2/NDF:2373.2/35

All: 148.388+/-32.326 χ^2/NDF: 3928.8/67

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.272+/-0.043 χ^2/NDF:827222.3/16

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 194.723+/-0.039 χ^2/NDF:865982.0/15

Left: 203.714+/-0.029 χ^2/NDF: 1807035.4/32

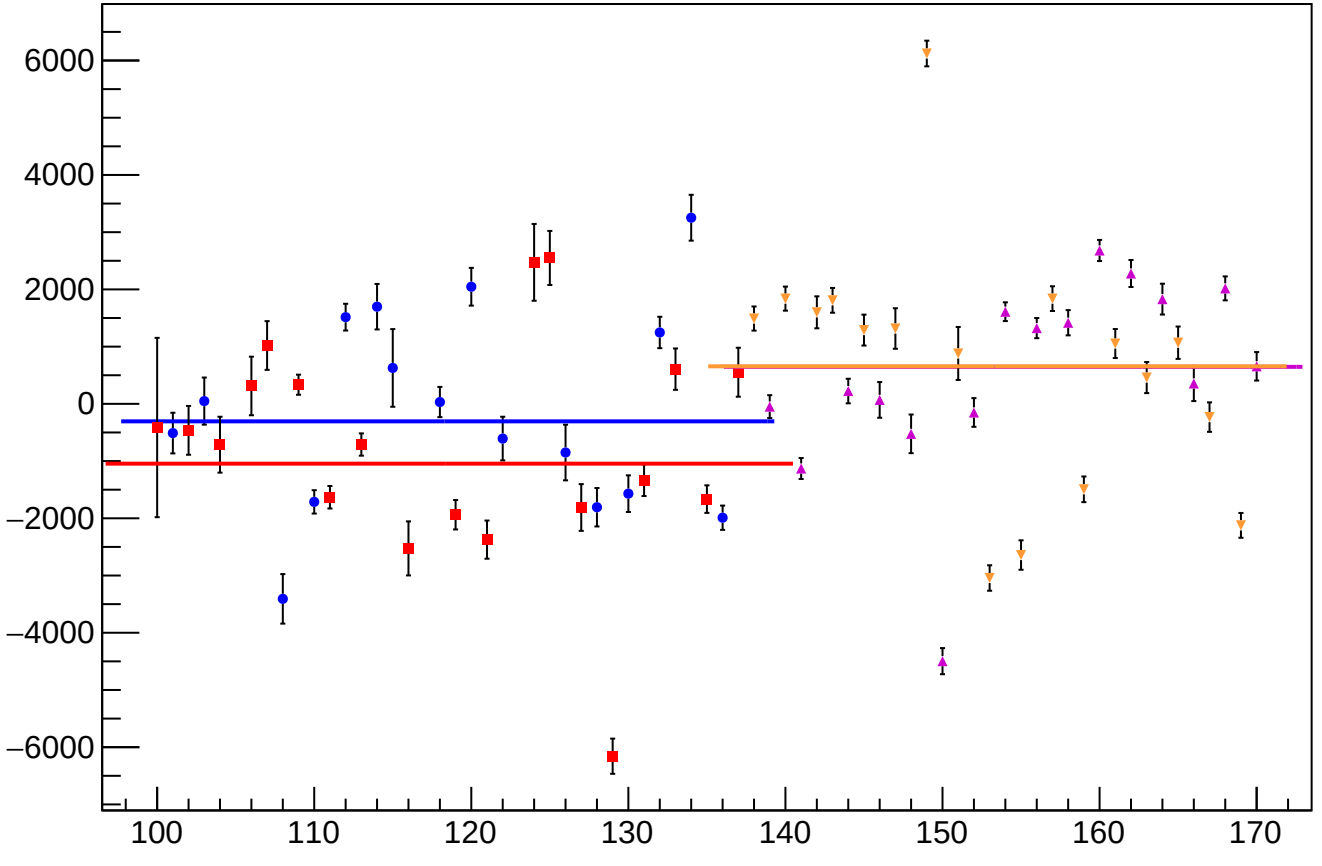
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 196.616+/-0.032 χ^2/NDF:1831939.0/31

Out: 201.013+/-0.033 χ^2/NDF:2508202.2/35

All: 198.781+/-0.023 χ^2/NDF: 4349392.3/67

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 655.830+/-59.750 χ^2/NDF:1434.4/16

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 646.749+/-54.921 χ^2/NDF:937.6/15

Left: 650.908+/-40.435 χ^2/NDF: 2372.0/32

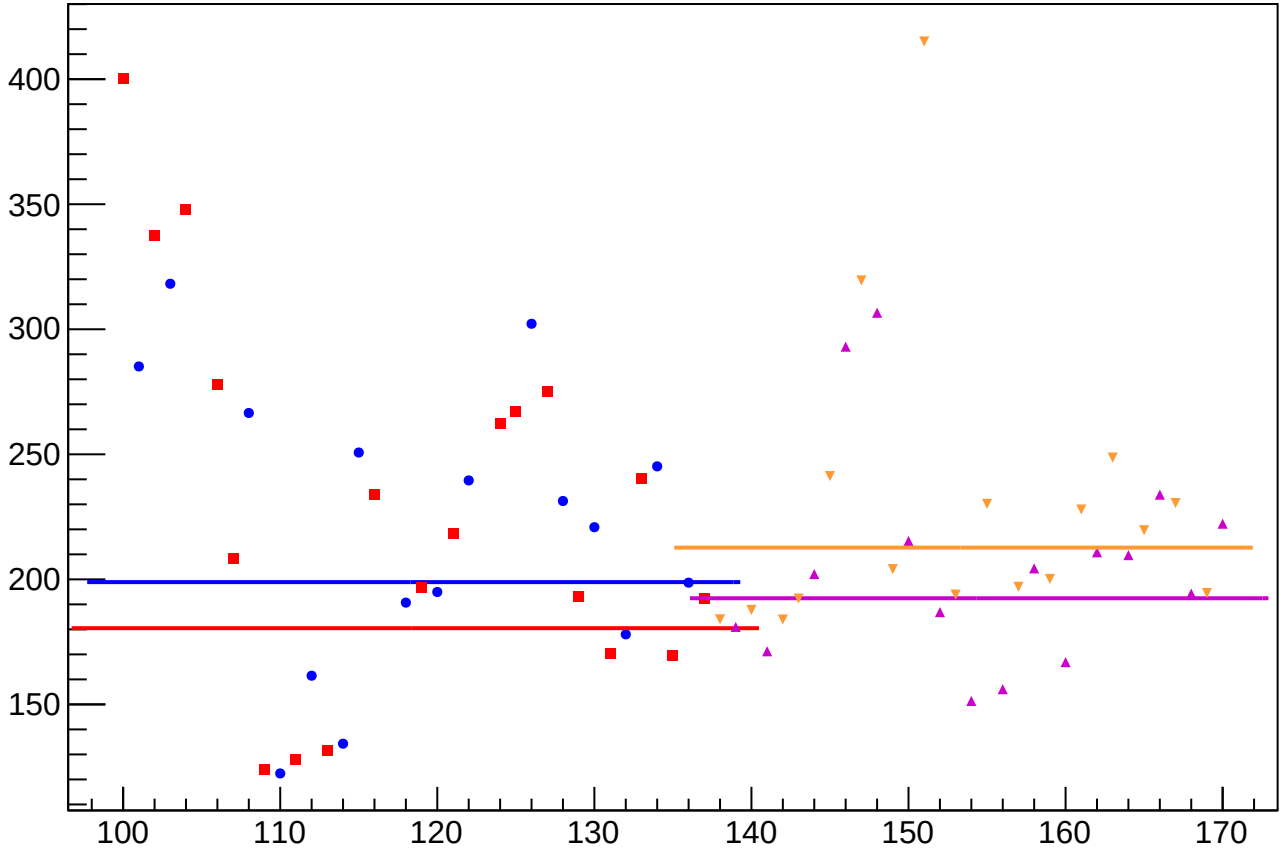
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 330.359+/-44.881 χ^2/NDF:1489.3/31

Out: -51.432+/-45.669 χ^2/NDF:2323.5/35

All: 142.785+/-32.011 χ^2/NDF: 3848.4/67

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.694+/-0.042 χ^2/NDF:800978.4/16

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 192.448+/-0.039 χ^2/NDF:835521.4/15

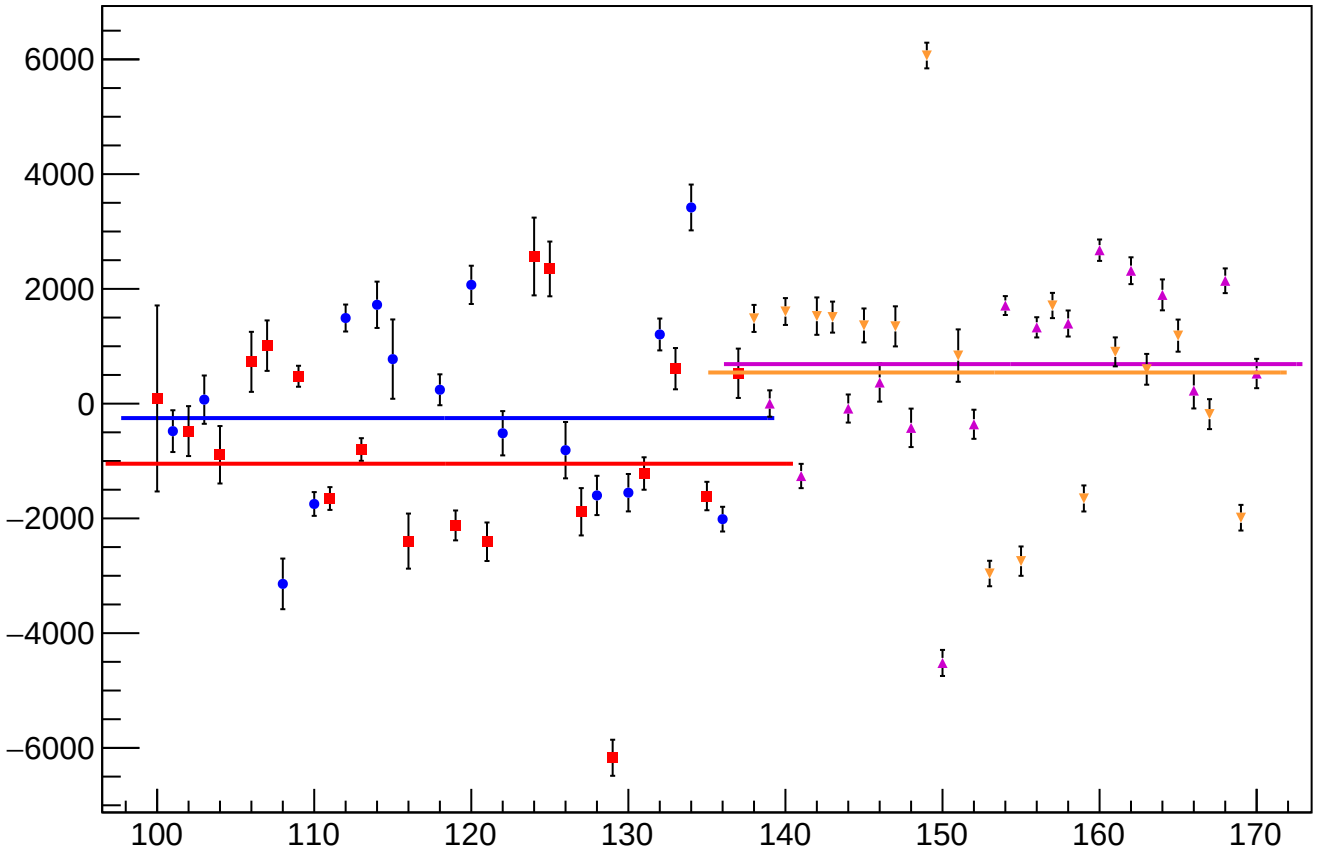
Left: 201.720+/-0.029 χ^2/NDF: 1760970.1/32

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 194.592+/-0.032 χ^2/NDF:1757462.6/31

Out: 199.297+/-0.032 χ^2/NDF:2477256.2/35

All: 196.904+/-0.023 χ^2/NDF: 4245514.2/67



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 542.894+/-62.451 χ^2/NDF:1359.8/16

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 688.938+/-57.062 χ^2/NDF:950.1/15

Left: 622.487+/-42.126 χ^2/NDF: 2312.9/32

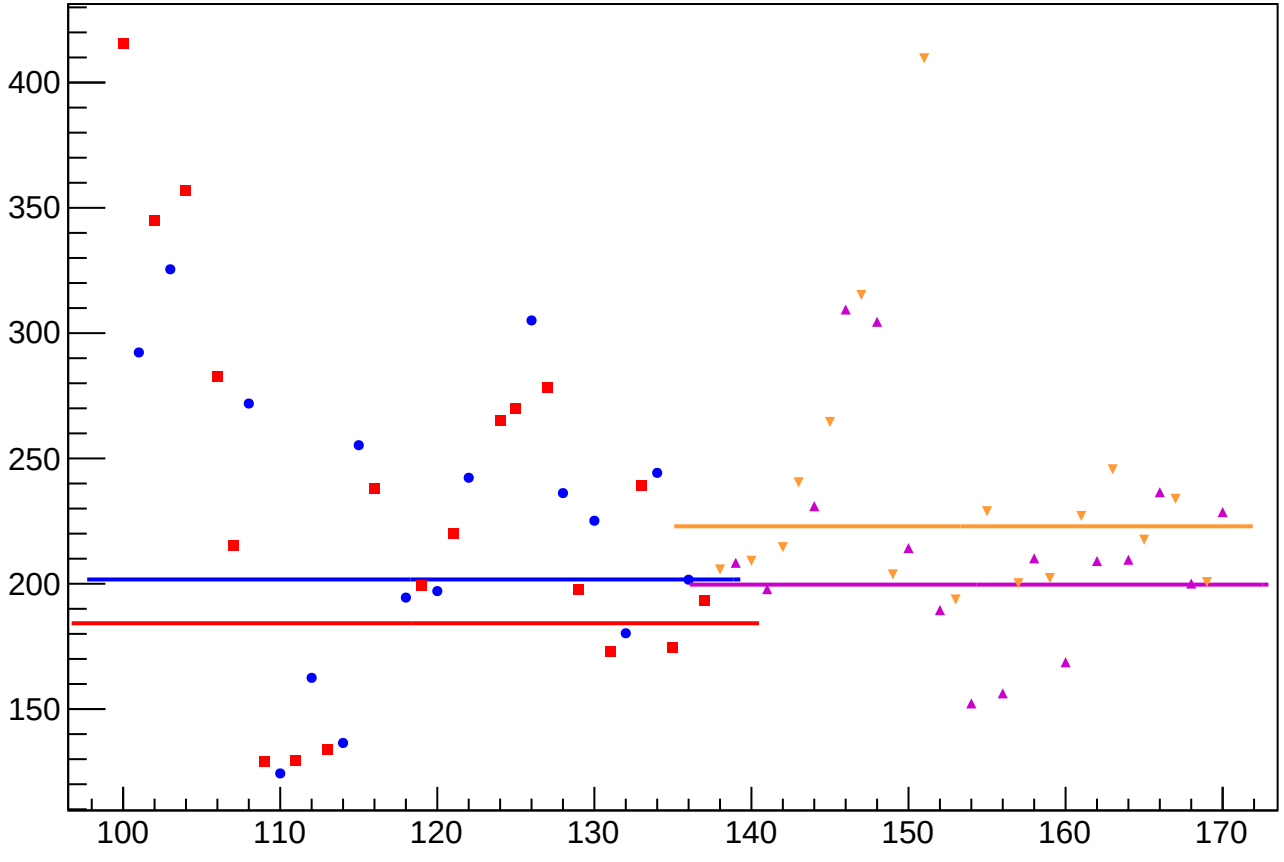
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 366.265+/-46.252 χ^2/NDF:1484.6/31

Out: -137.708+/-47.230 χ^2/NDF:2184.0/35

All: 119.551+/-33.046 χ^2/NDF: 3726.7/67

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.922+/-0.044 χ^2/NDF:668236.9/16

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 199.659+/-0.040 χ^2/NDF:864840.7/15

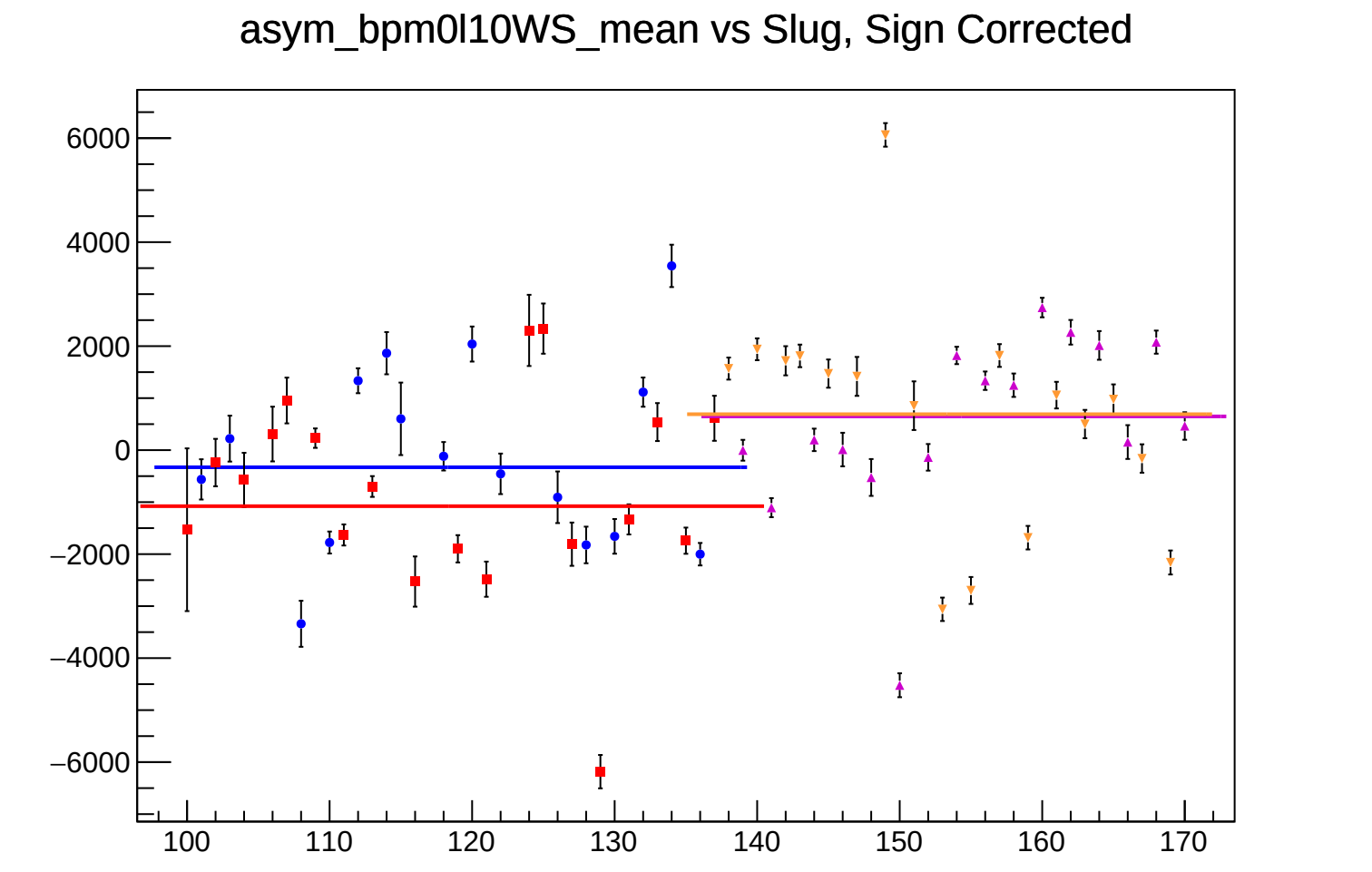
Left: 210.244+/-0.030 χ^2/NDF: 1684320.5/32

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

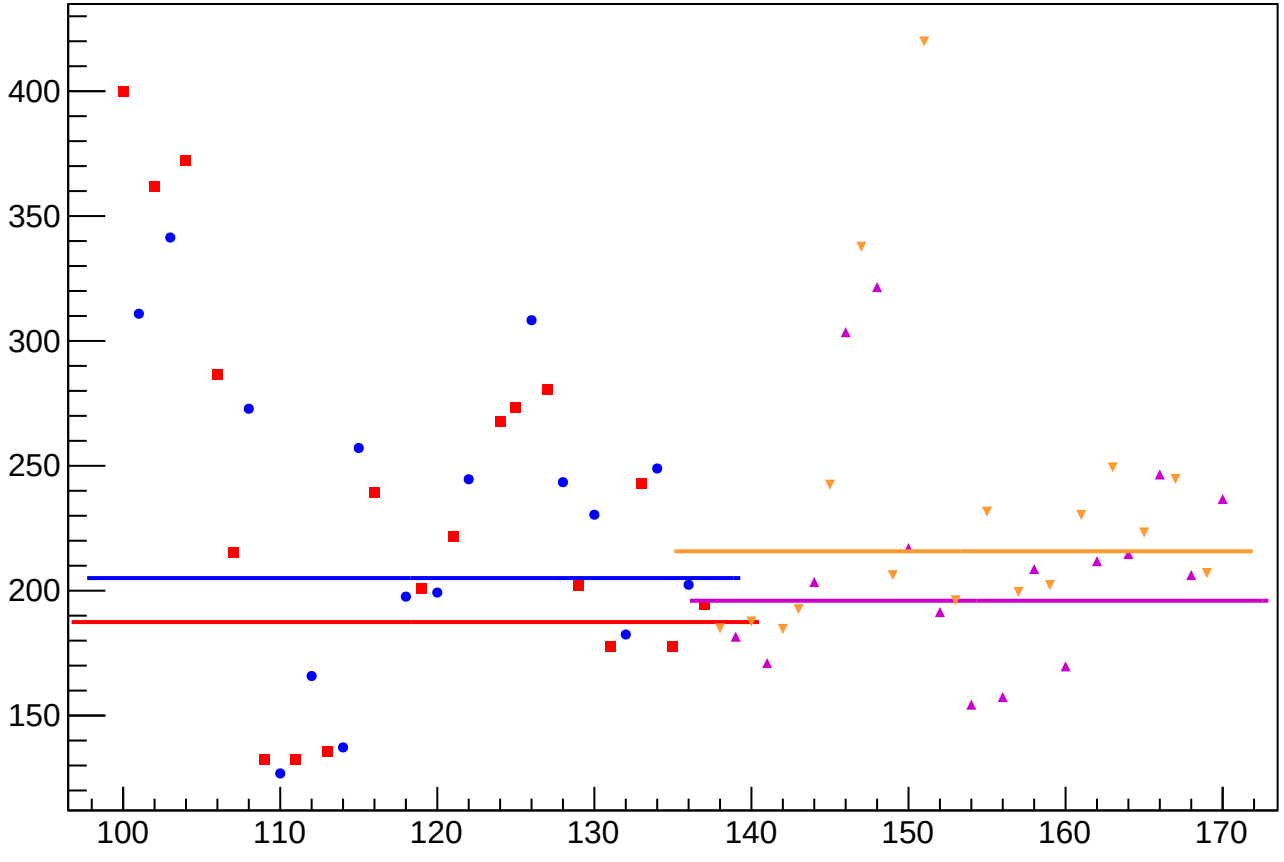
In: 200.364+/-0.033 χ^2/NDF:1789940.0/31

Out: 206.366+/-0.033 χ^2/NDF:2400374.6/35

All: 203.302+/-0.023 χ^2/NDF: 4206803.4/67


asym_bpm0l10WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -329.377+/-80.367 χ²/NDF: 436.4/15
Left Out: 690.738+/-60.677 χ²/NDF:1418.4/16
Right Out: -1077.876+/-73.404 χ²/NDF: 502.0/18
Left In: 648.622+/-56.011 χ²/NDF:947.9/15
Left: 667.999+/-41.157 χ²/NDF: 2366.5/32
Right: -737.449+/-54.199 χ²/NDF: 985.7/34
In: 328.886+/-45.952 χ²/NDF:1483.9/31
Out: -27.187+/-46.768 χ²/NDF:2265.2/35
All: 153.981+/-32.778 χ²/NDF: 3778.6/67

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 215.778+/-0.043 χ^2/NDF:845661.9/16

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 195.980+/-0.040 χ^2/NDF:923058.9/15

Left: 205.089+/-0.029 χ^2/NDF: 1883684.4/32

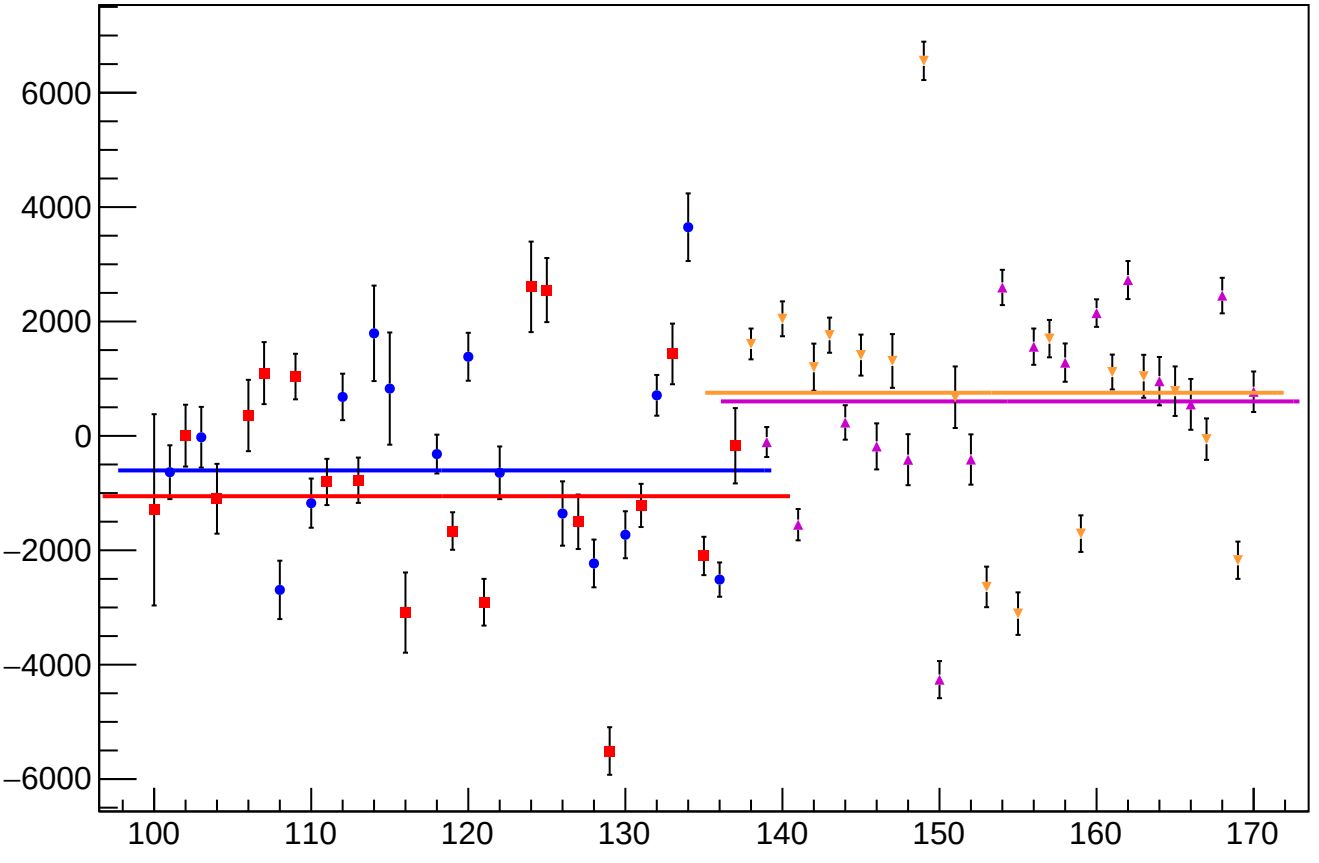
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 198.946+/-0.032 χ^2/NDF:1903266.8/31

Out: 204.271+/-0.033 χ^2/NDF:2433655.2/35

All: 201.562+/-0.023 χ^2/NDF: 4350115.4/67

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 754.221+/-84.444 χ^2/NDF:699.3/16

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 602.739+/-81.814 χ^2/NDF:482.8/15

Left: 676.085+/-58.759 χ^2/NDF: 1183.8/32

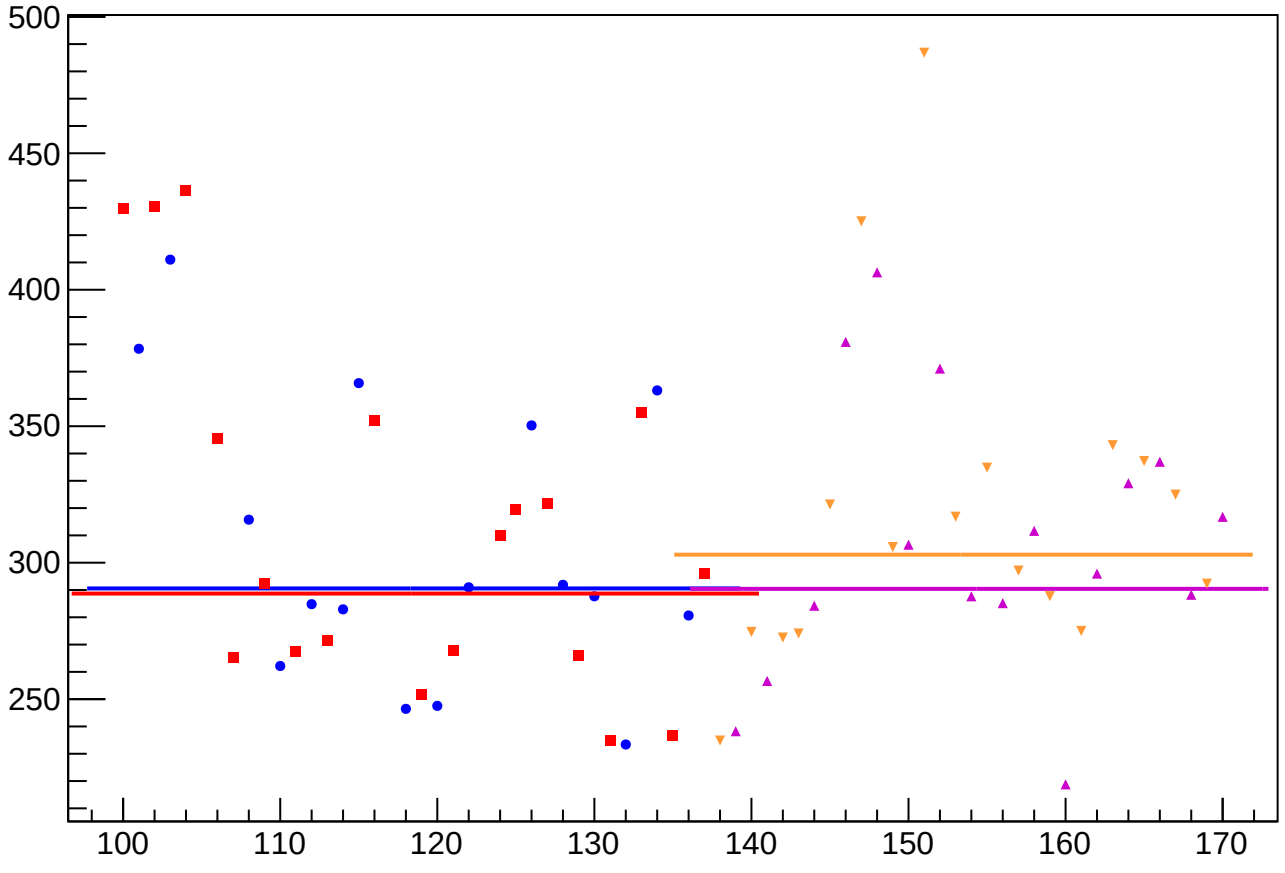
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 176.462+/-65.794 χ^2/NDF:753.2/31

Out: 70.046+/-66.585 χ^2/NDF:1170.5/35

All: 123.890+/-46.800 χ^2/NDF: 1925.0/67

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.934+/-0.060 χ^2/NDF:632266.3/16

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 290.418+/-0.058 χ^2/NDF:654870.9/15

Left: 296.478+/-0.042 χ^2/NDF: 1309801.2/32

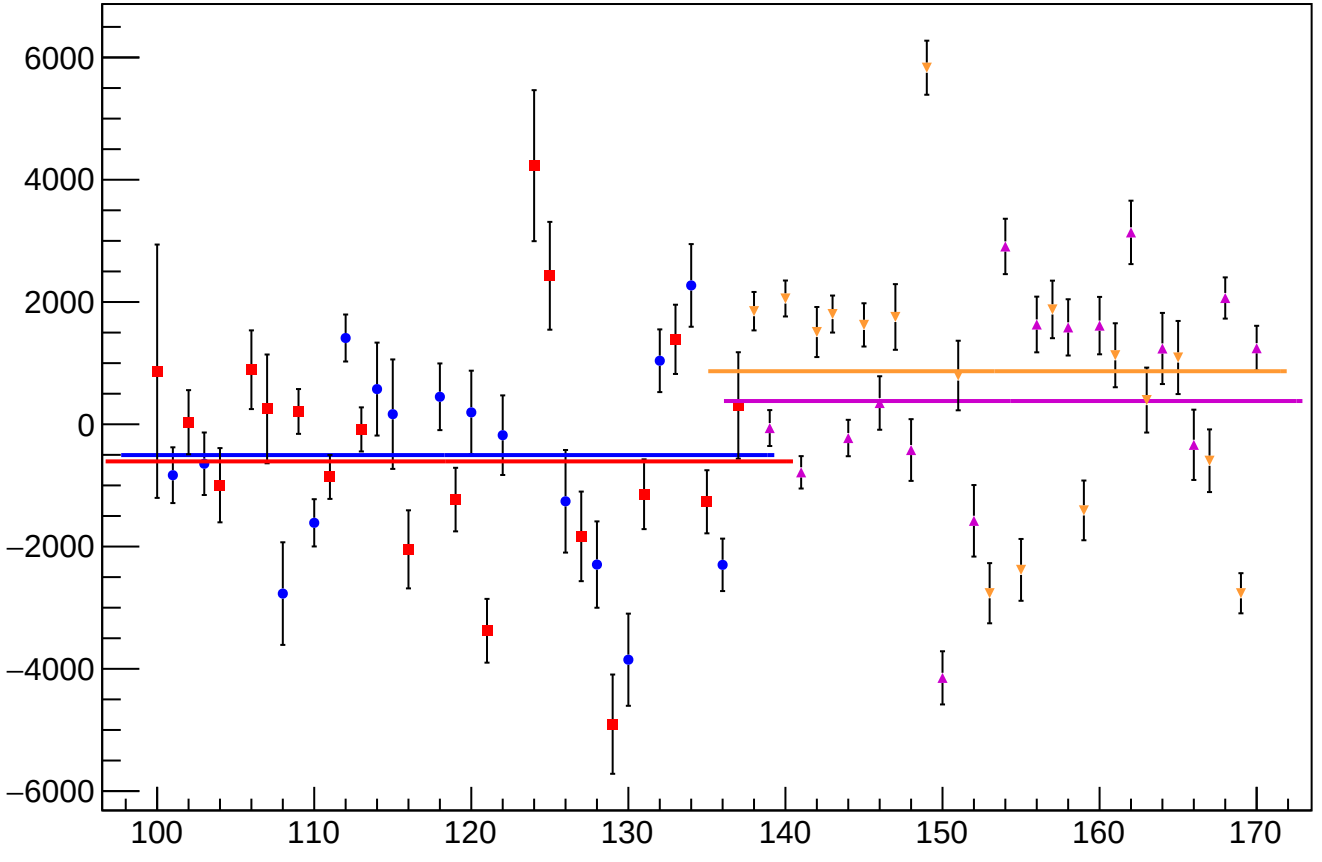
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.470+/-0.047 χ^2/NDF:1014680.4/31

Out: 297.545+/-0.047 χ^2/NDF:1142899.0/35

All: 293.965+/-0.033 χ^2/NDF: 2169002.7/67

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 868.001+/-101.004 χ^2/NDF:425.1/16

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 380.443+/-100.333 χ^2/NDF:262.9/15

Left: 622.595+/-71.182 χ^2/NDF: 699.7/32

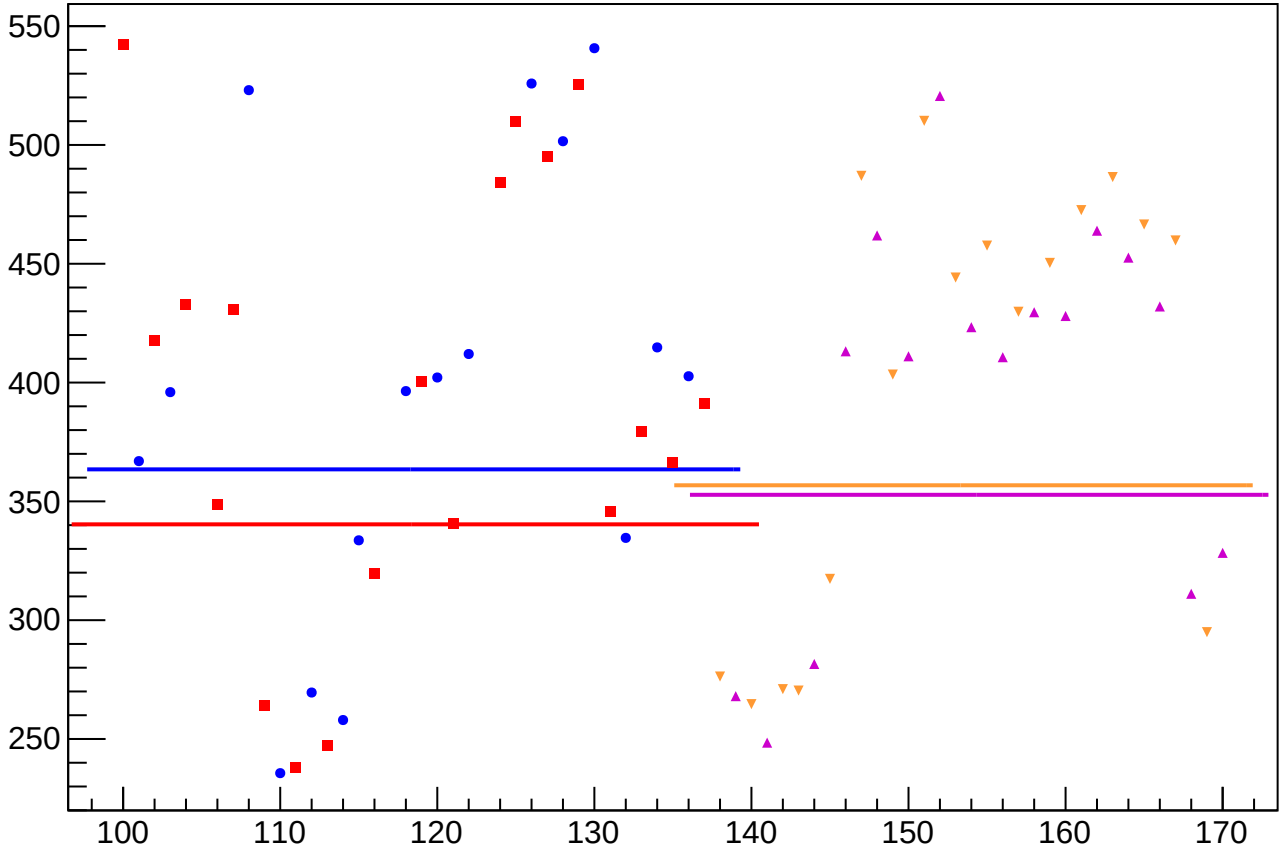
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: 80.603+/-81.564 χ^2/NDF:407.5/31

Out: 310.727+/-79.669 χ^2/NDF:630.8/35

All: 198.369+/-56.993 χ^2/NDF: 1042.4/67

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 356.773+/-0.071 χ^2/NDF:1588323.5/16

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 352.760+/-0.071 χ^2/NDF:1338673.1/15

Left: 354.753+/-0.050 χ^2/NDF: 2928585.9/32

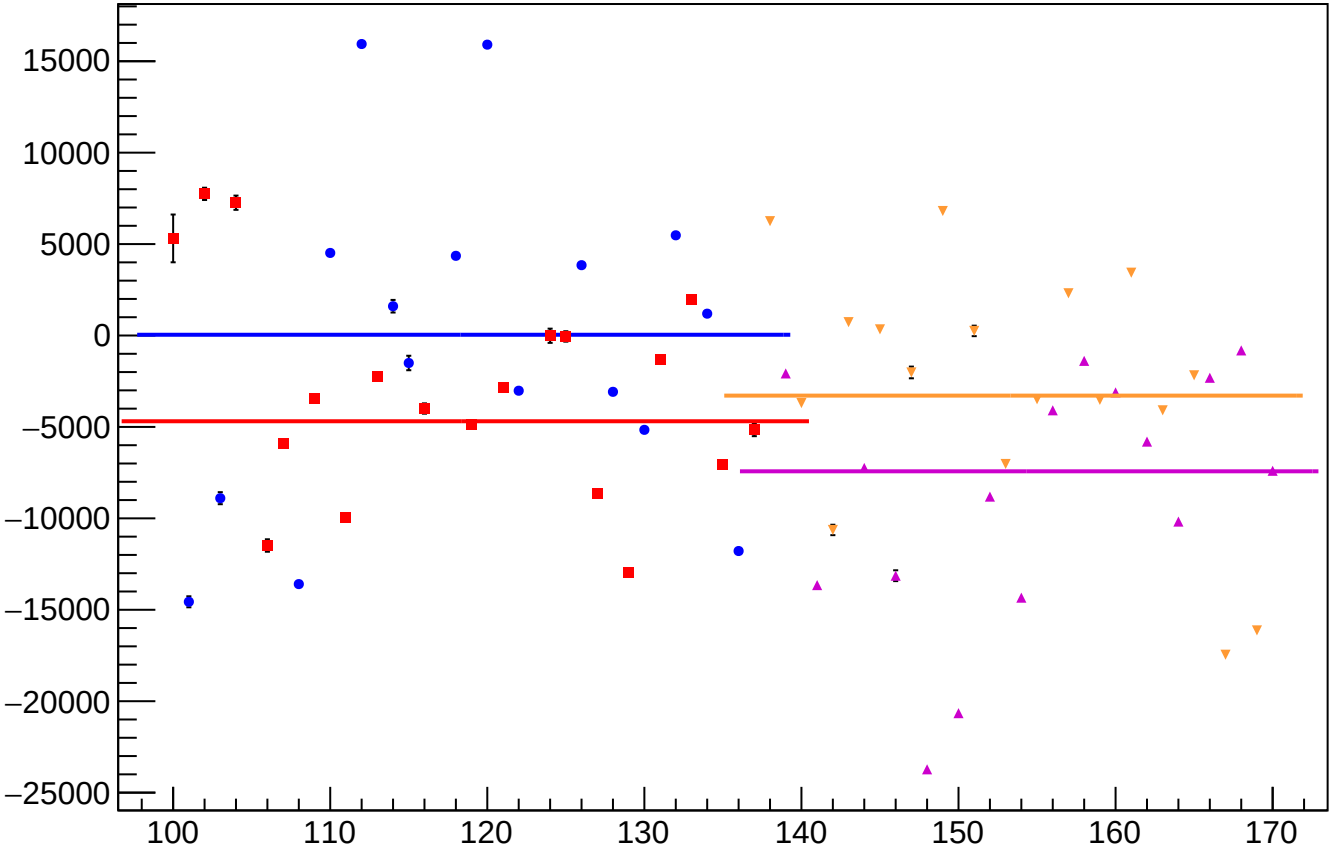
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 356.392+/-0.058 χ^2/NDF:2127297.0/31

Out: 350.561+/-0.056 χ^2/NDF:2464575.7/35

All: 353.408+/-0.040 χ^2/NDF: 4597104.5/67

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3287.074+/-47.001 χ^2/NDF:20109.9/16

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7427.090+/-47.770 χ^2/NDF:16829.9/15

Left: -5323.481+/-33.503 χ^2/NDF: 40756.1/32

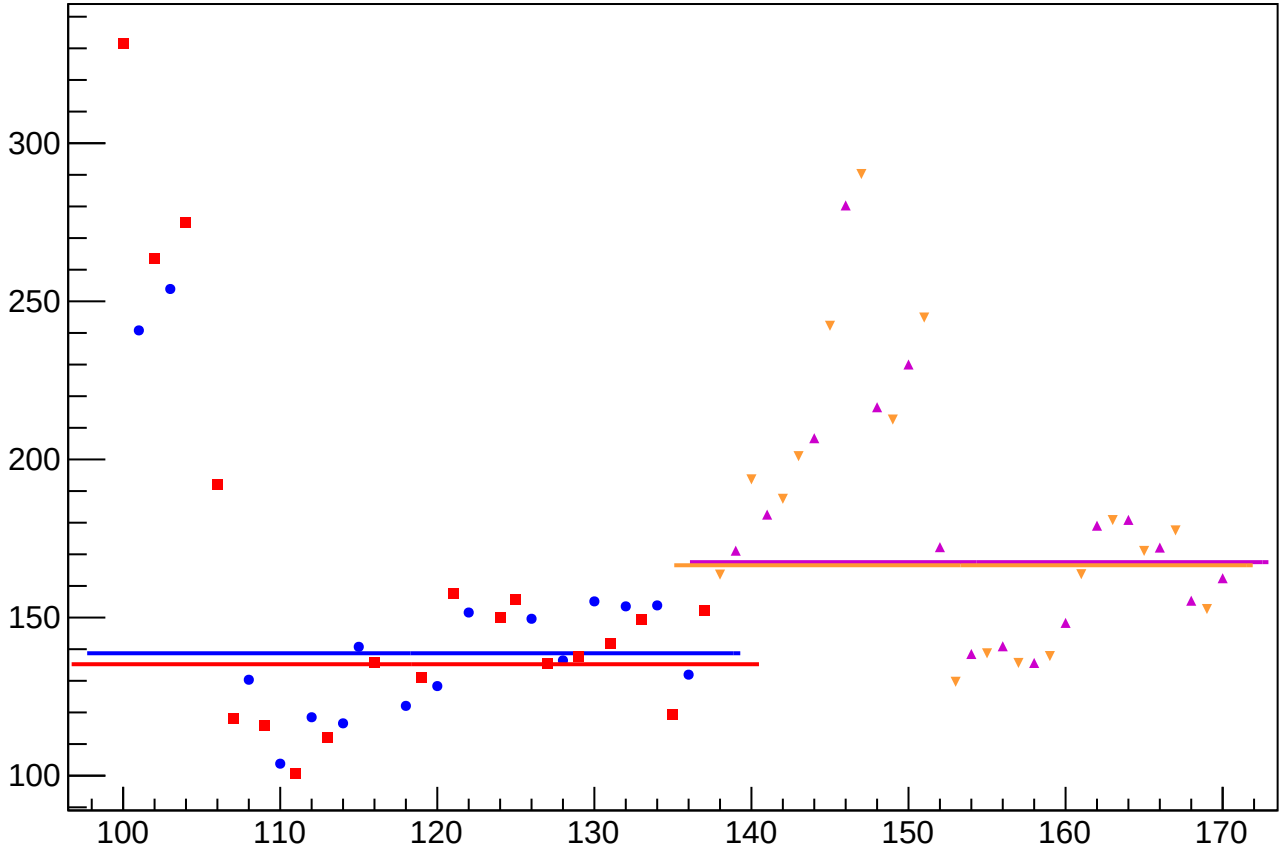
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4162.034+/-35.837 χ^2/NDF:58301.3/31

Out: -3916.479+/-34.897 χ^2/NDF:28305.2/35

All: -4035.994+/-25.002 χ^2/NDF: 86630.6/67

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.540+/-0.033 χ^2/NDF:1157258.3/16

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.522+/-0.034 χ^2/NDF:860138.1/15

Left: 167.023+/-0.024 χ^2/NDF: 2017826.2/32

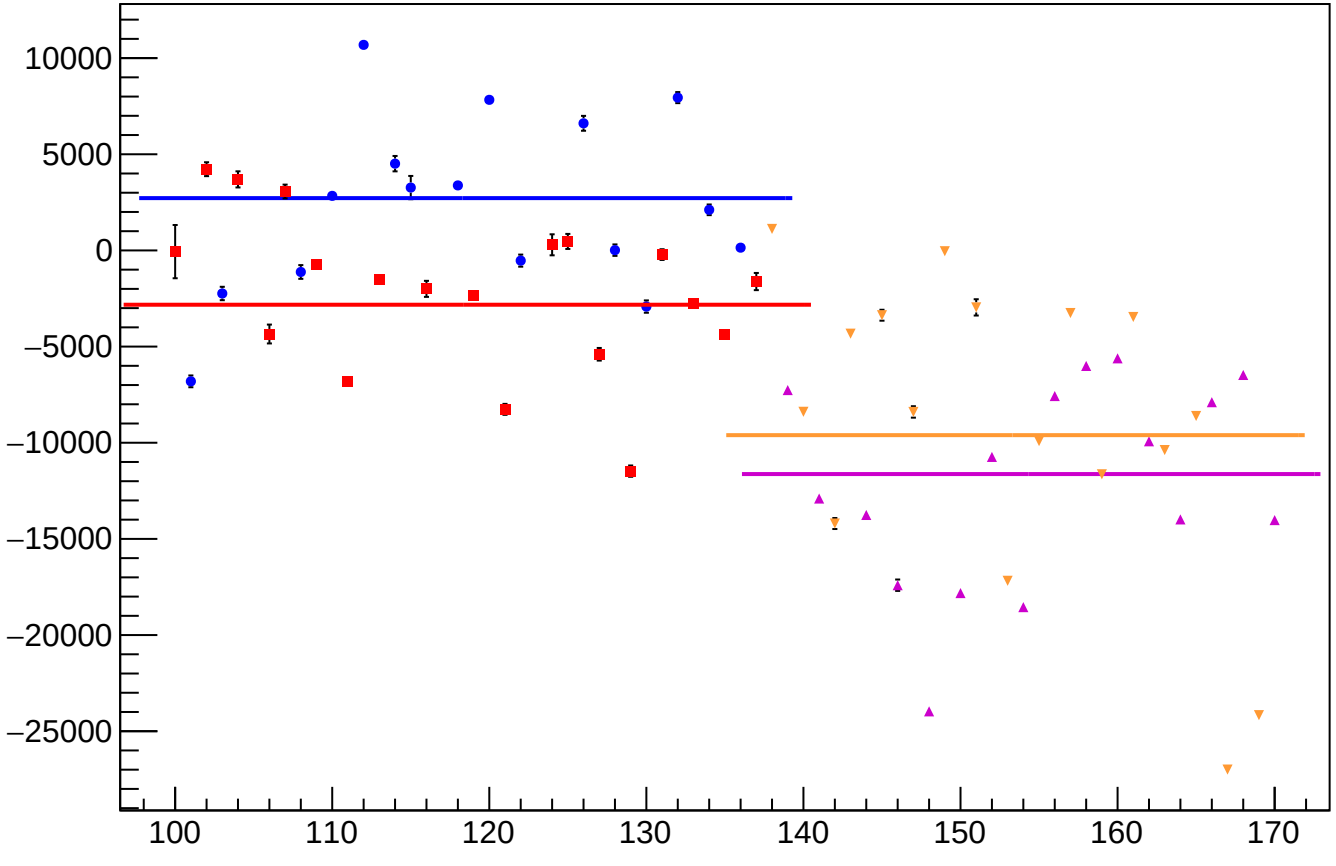
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.926+/-0.025 χ^2/NDF:1835985.5/31

Out: 152.497+/-0.025 χ^2/NDF:2445158.4/35

All: 153.679+/-0.018 χ^2/NDF: 4285861.0/67

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9605.541+/-55.181 χ^2/NDF:21589.0/16

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11628.579+/-50.533 χ^2/NDF:10328.5/15

Left: -10705.852+/-37.267 χ^2/NDF: 32648.5/32

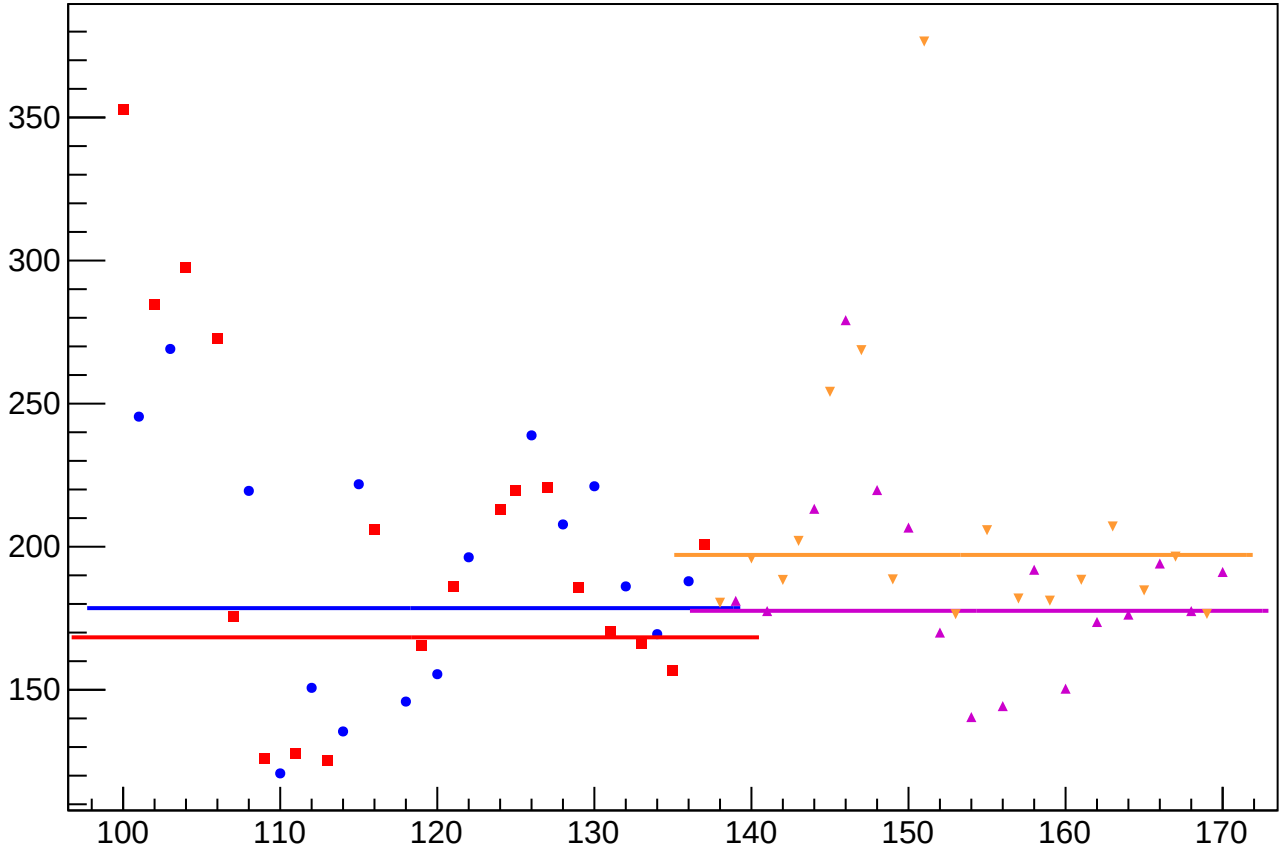
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6642.720+/-40.819 χ^2/NDF:42473.5/31

Out: -6757.374+/-42.026 χ^2/NDF:30995.2/35

All: -6698.377+/-29.281 χ^2/NDF: 73472.6/67

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 197.135+/-0.039 χ^2/NDF:657198.8/16

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 177.604+/-0.036 χ^2/NDF:665934.4/15

Left: 186.513+/-0.026 χ^2/NDF: 1459404.2/32

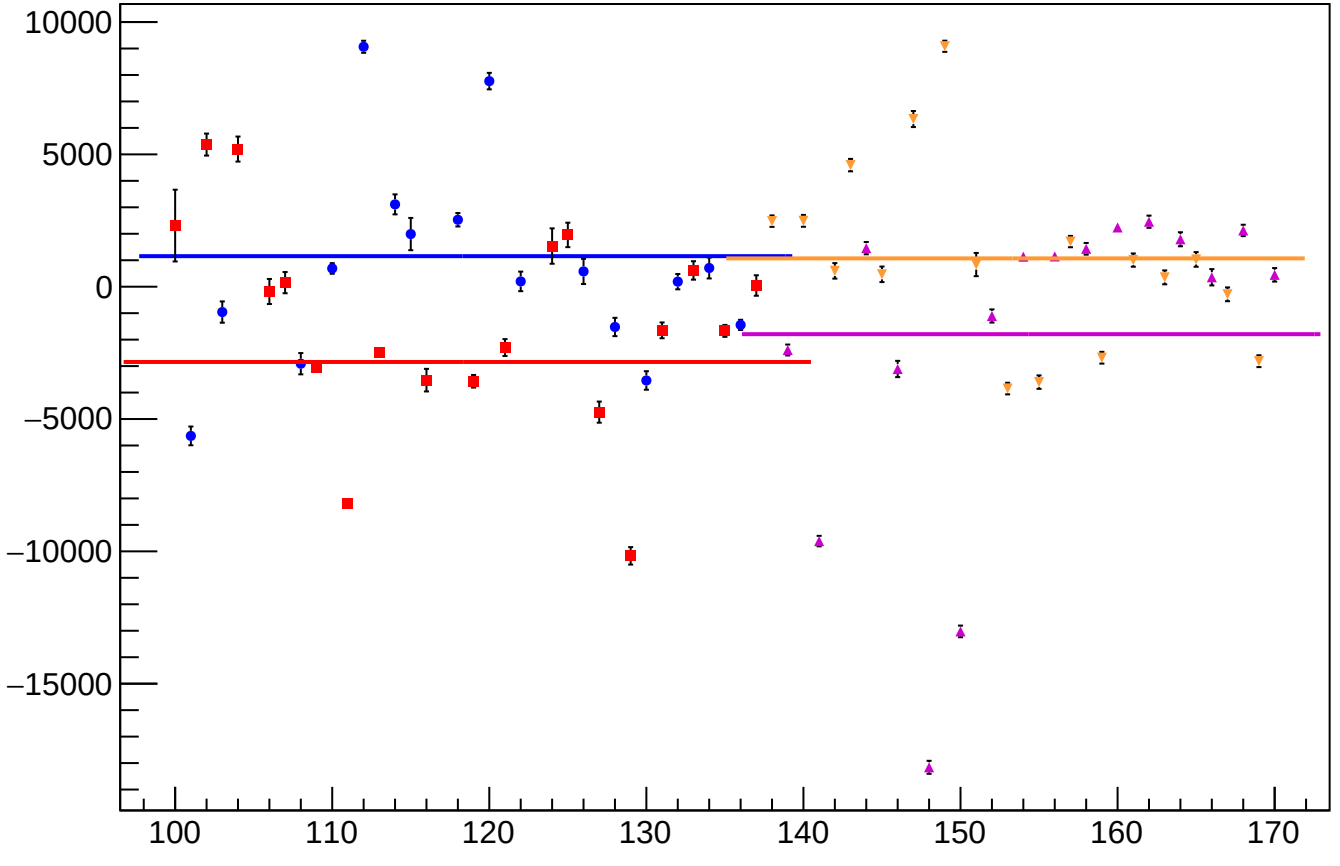
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.930+/-0.029 χ^2/NDF:1340739.1/31

Out: 185.040+/-0.030 χ^2/NDF:1865490.7/35

All: 181.381+/-0.021 χ^2/NDF: 3235686.6/67

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1069.753+/-60.079 χ^2/NDF:3524.7/16

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1793.790+/-55.032 χ^2/NDF:11082.0/15

Left: -487.328+/-40.580 χ^2/NDF: 15842.0/32

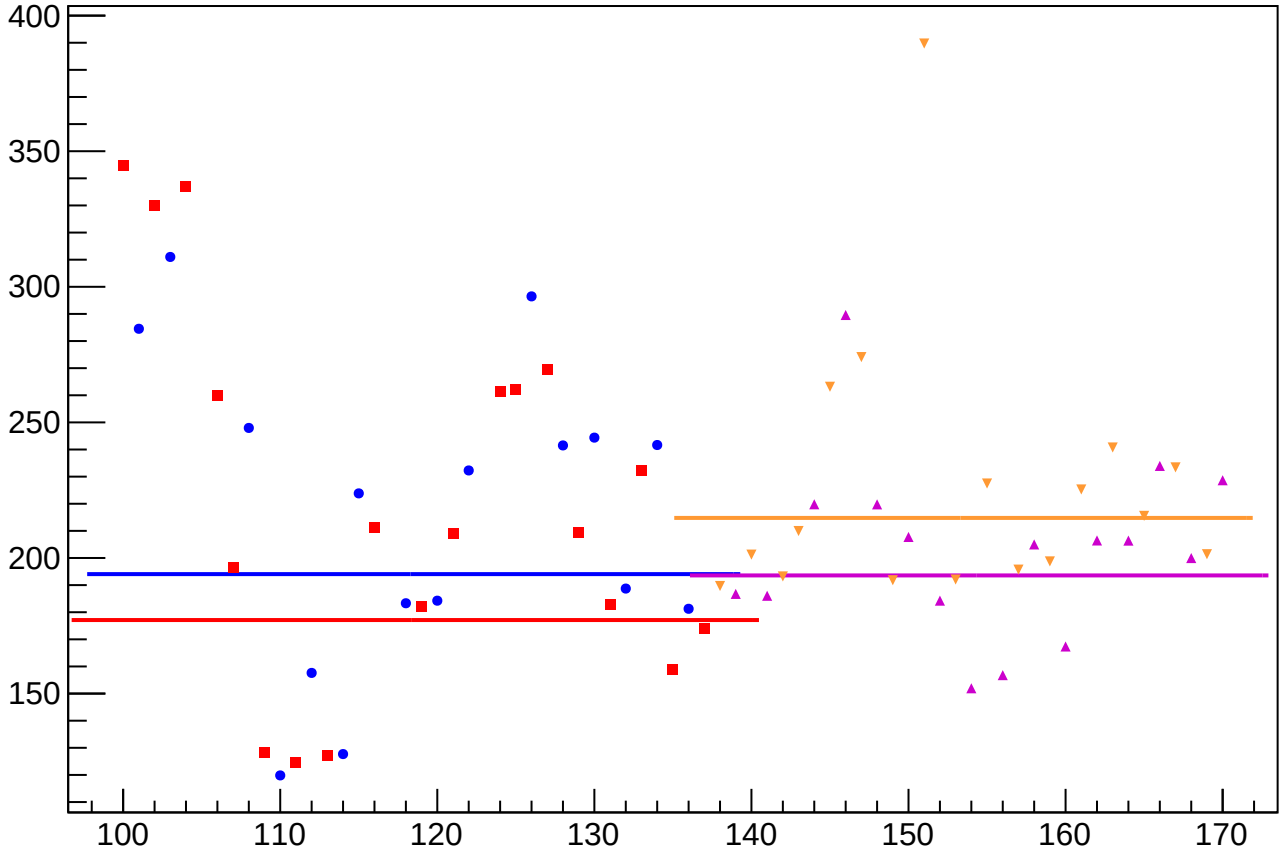
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -779.138+/-44.565 χ^2/NDF:14724.9/31

Out: -614.003+/-45.349 χ^2/NDF:7803.5/35

All: -698.012+/-31.786 χ^2/NDF: 22535.1/67

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.775+/-0.042 χ^2/NDF:609962.3/16

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 193.571+/-0.039 χ^2/NDF:603152.3/15

Left: 203.245+/-0.029 χ^2/NDF: 1348585.7/32

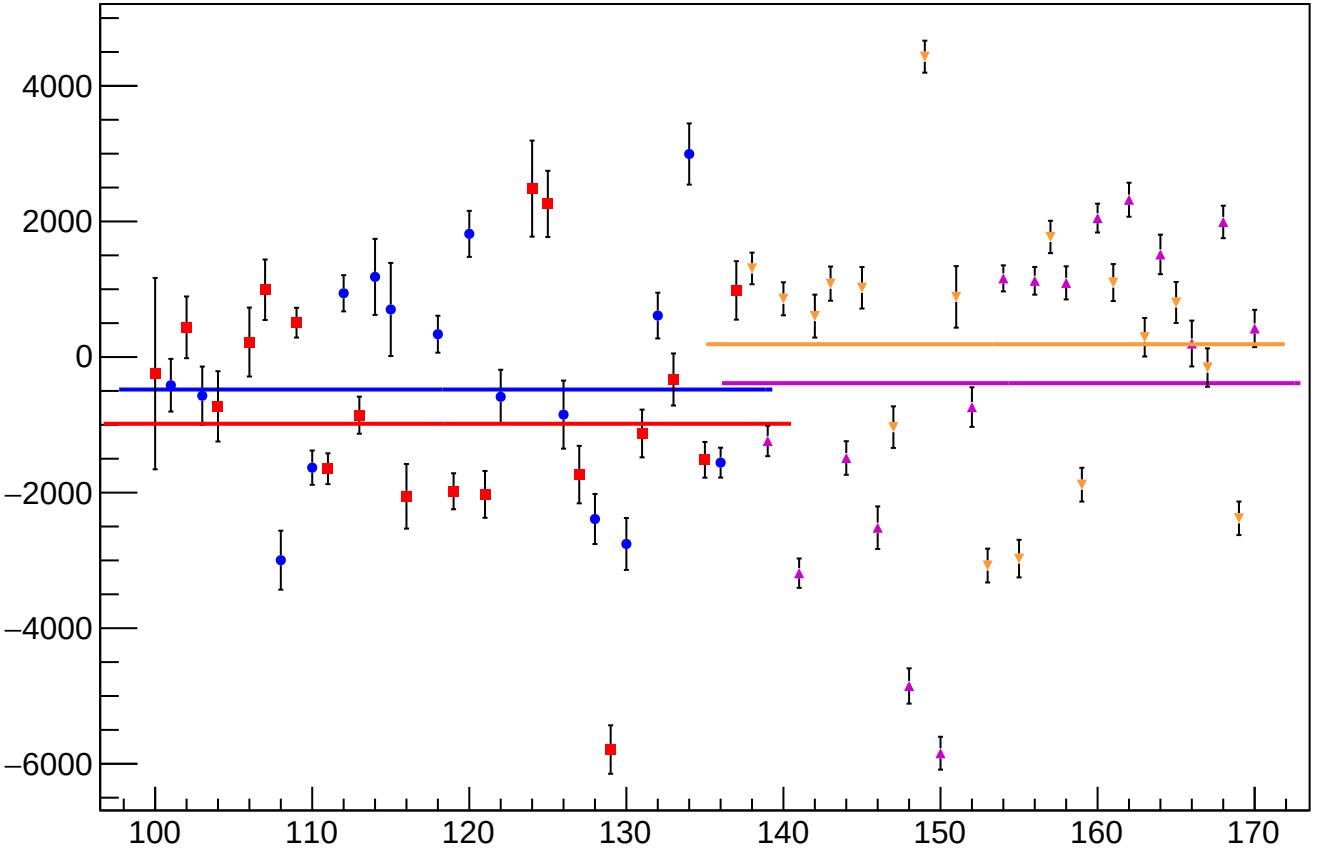
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.737+/-0.032 χ^2/NDF:1568991.3/31

Out: 198.573+/-0.032 χ^2/NDF:2307409.8/35

All: 196.112+/-0.022 χ^2/NDF: 3887971.5/67

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 189.086+/-65.455 χ^2/NDF:932.7/16

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -385.709+/-61.066 χ^2/NDF:1606.4/15

Left: -118.226+/-44.651 χ^2/NDF: 2580.4/32

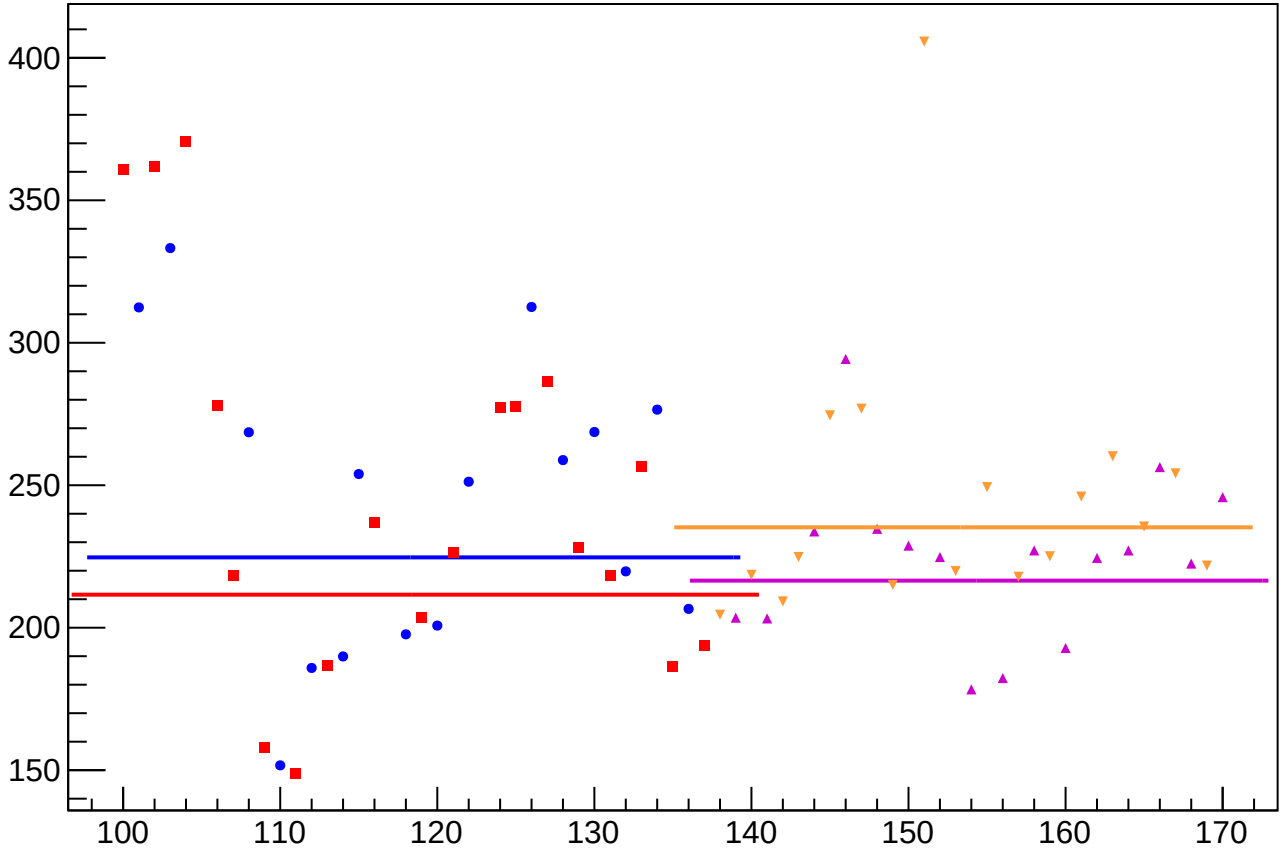
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -416.751+/-49.922 χ^2/NDF:1912.6/31

Out: -274.902+/-50.897 χ^2/NDF:1458.0/35

All: -347.197+/-35.640 χ^2/NDF: 3374.6/67

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.230+/-0.046 χ^2/NDF:487638.5/16

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 216.522+/-0.043 χ^2/NDF:383131.0/15

Left: 225.228+/-0.032 χ^2/NDF: 958115.7/32

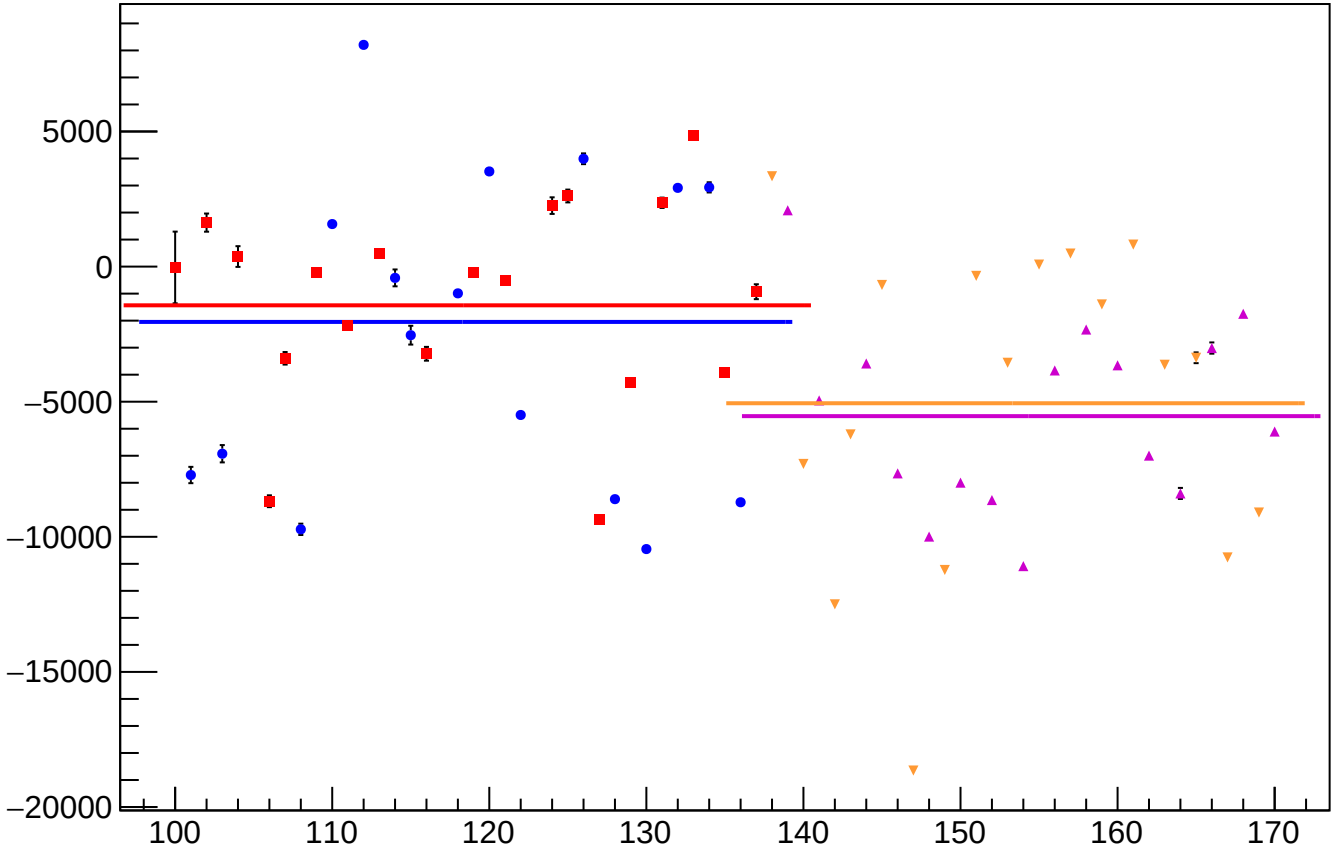
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.229+/-0.035 χ^2/NDF:1048169.8/31

Out: 225.885+/-0.036 χ^2/NDF:1523638.4/35

All: 222.493+/-0.025 χ^2/NDF: 2589244.1/67

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5057.000+/-33.975 χ^2/NDF:31493.0/16

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5534.128+/-34.707 χ^2/NDF:10238.4/15

Left: -5290.479+/-24.279 χ^2/NDF: 41827.9/32

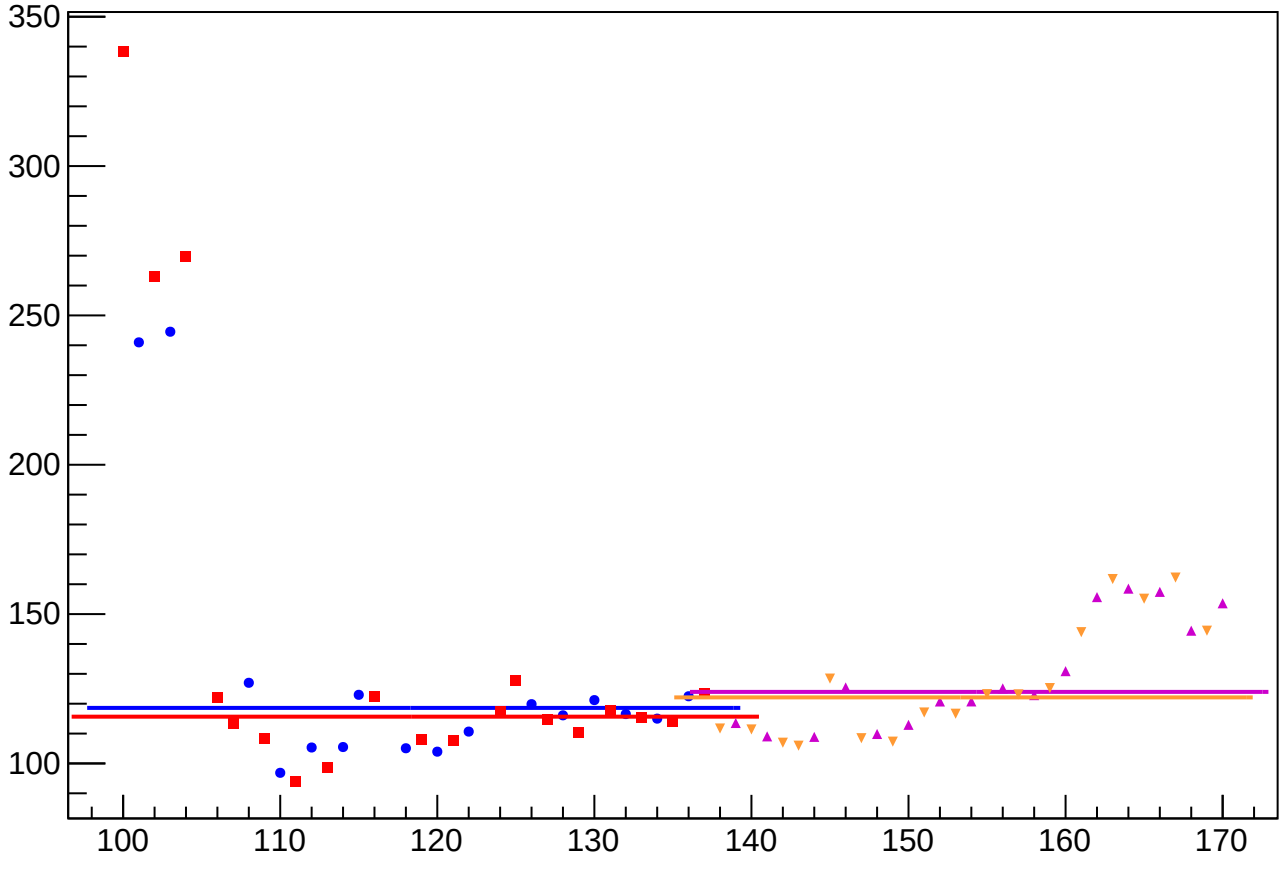
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4294.201+/-27.861 χ^2/NDF:30536.6/31

Out: -3731.049+/-27.055 χ^2/NDF:42043.7/35

All: -4004.363+/-19.410 χ^2/NDF: 72790.5/67

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 122.112+/-0.024 χ^2/NDF:479044.1/16

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 123.954+/-0.025 χ^2/NDF:399765.1/15

Left: 123.013+/-0.017 χ^2/NDF: 881687.9/32

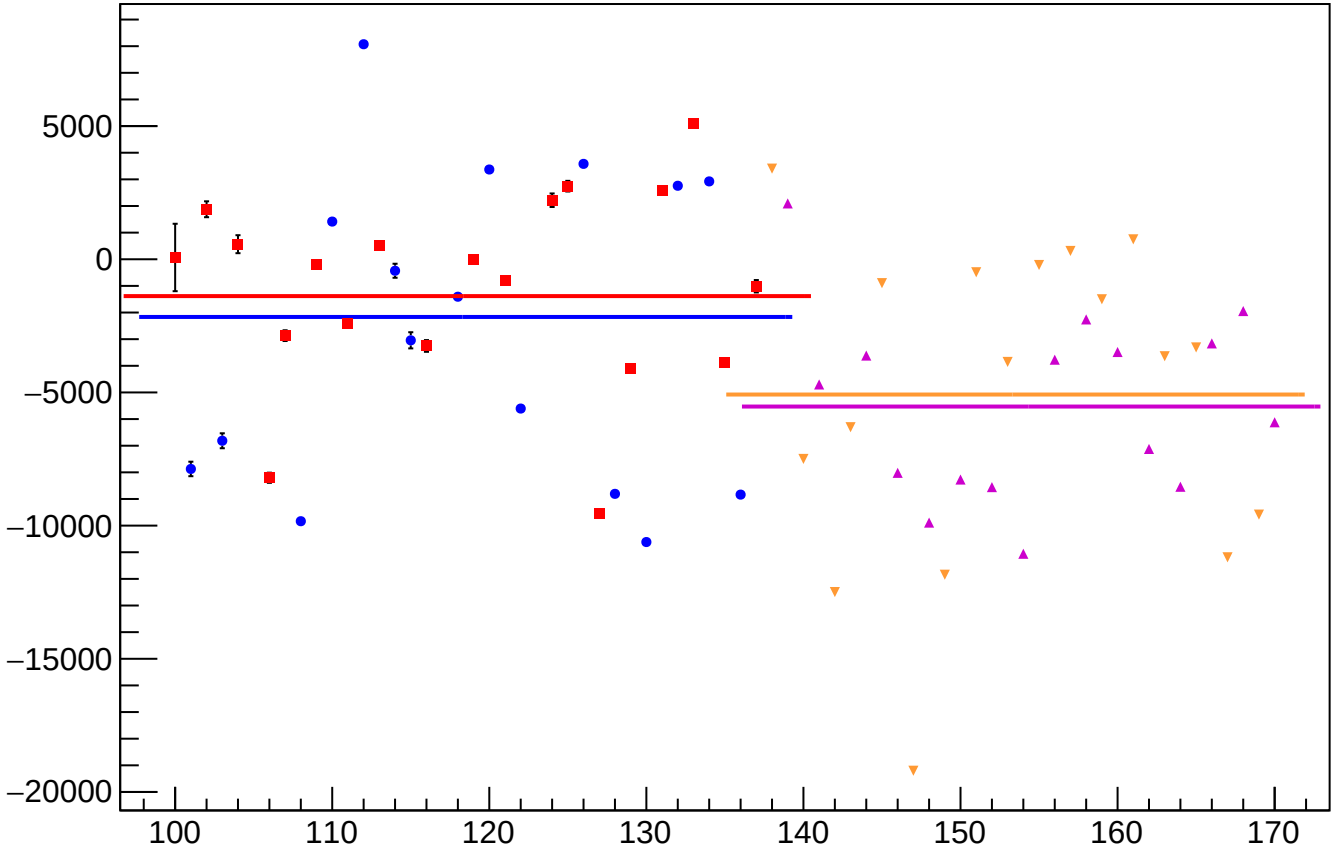
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.049+/-0.020 χ^2/NDF:1150876.9/31

Out: 119.751+/-0.019 χ^2/NDF:1369640.6/35

All: 120.866+/-0.014 χ^2/NDF: 2527518.9/67

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5078.532+/-30.617 χ^2/NDF:38681.7/16

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5529.568+/-31.592 χ^2/NDF:12553.0/15

Left: -5296.984+/-21.986 χ^2/NDF: 51339.8/32

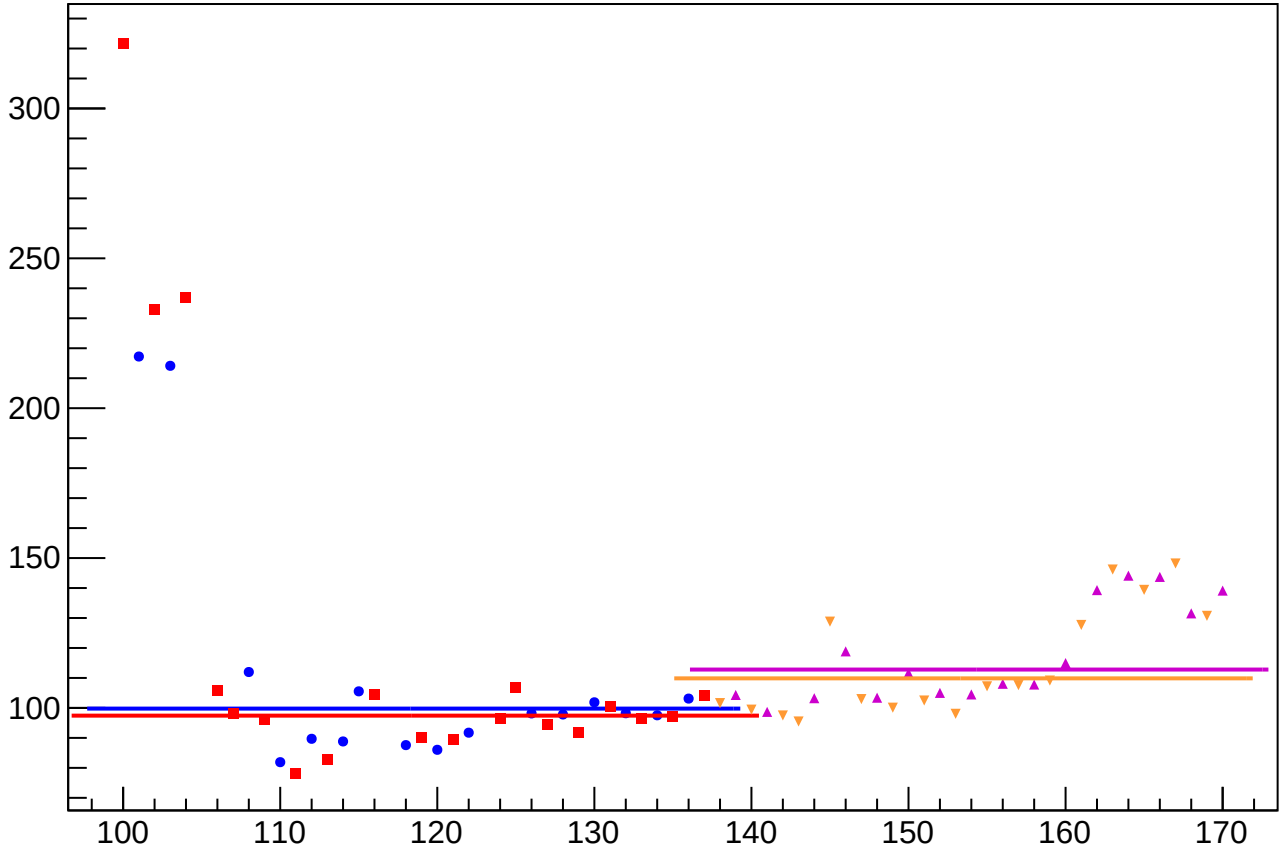
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4222.656+/-24.704 χ^2/NDF:39832.5/31

Out: -3622.757+/-23.835 χ^2/NDF:53569.2/35

All: -3911.979+/-17.153 χ^2/NDF: 93707.1/67

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 109.864+/-0.022 χ^2/NDF:504063.4/16

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 112.801+/-0.022 χ^2/NDF:366093.8/15

Left: 111.287+/-0.016 χ^2/NDF: 879071.1/32

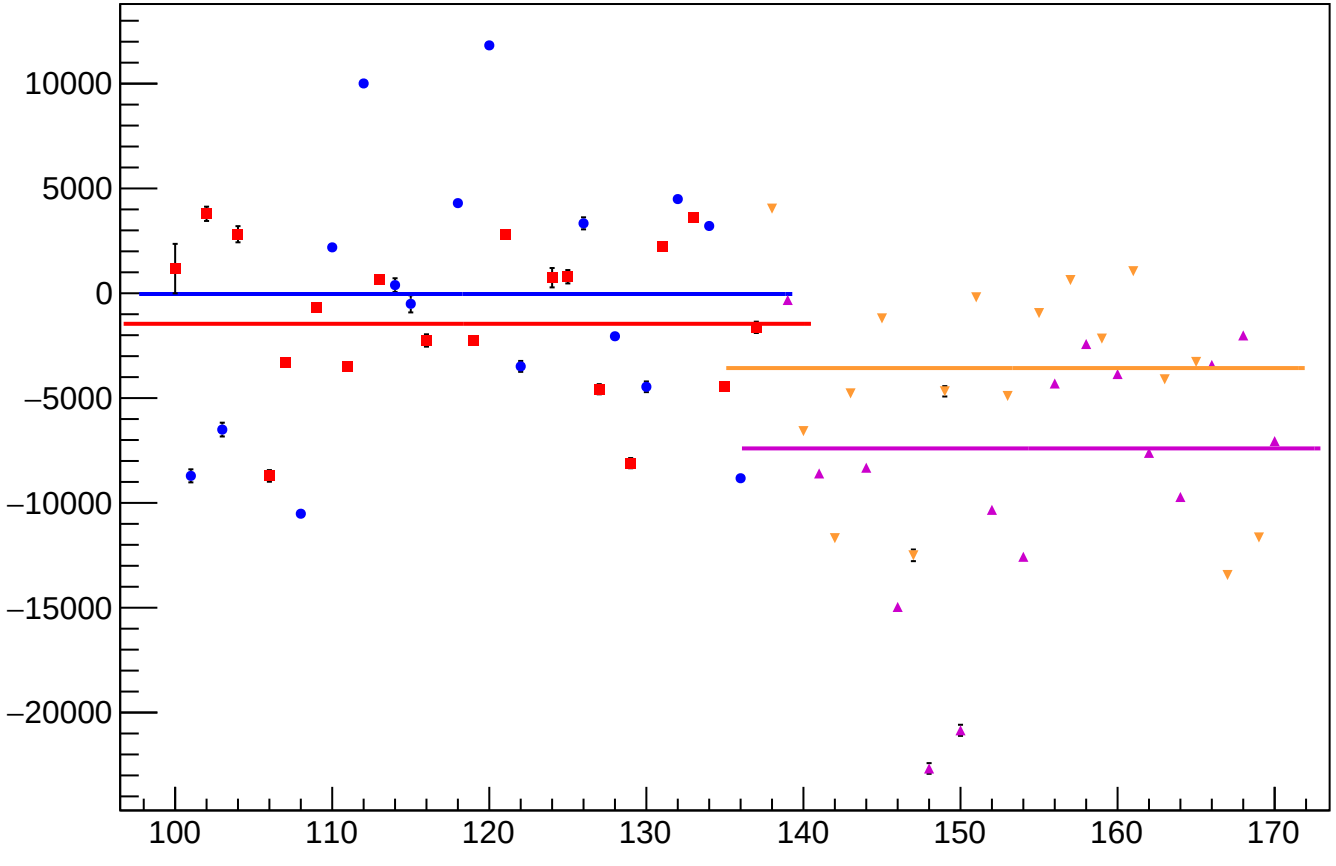
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 107.740+/-0.017 χ^2/NDF:1307367.8/31

Out: 104.965+/-0.017 χ^2/NDF:1560108.6/35

All: 106.303+/-0.012 χ^2/NDF: 2880546.2/67

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3568.085+/-43.230 χ^2/NDF:11972.6/16

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7401.023+/-44.812 χ^2/NDF:14339.3/15

Left: -5415.708+/-31.113 χ^2/NDF: 30101.3/32

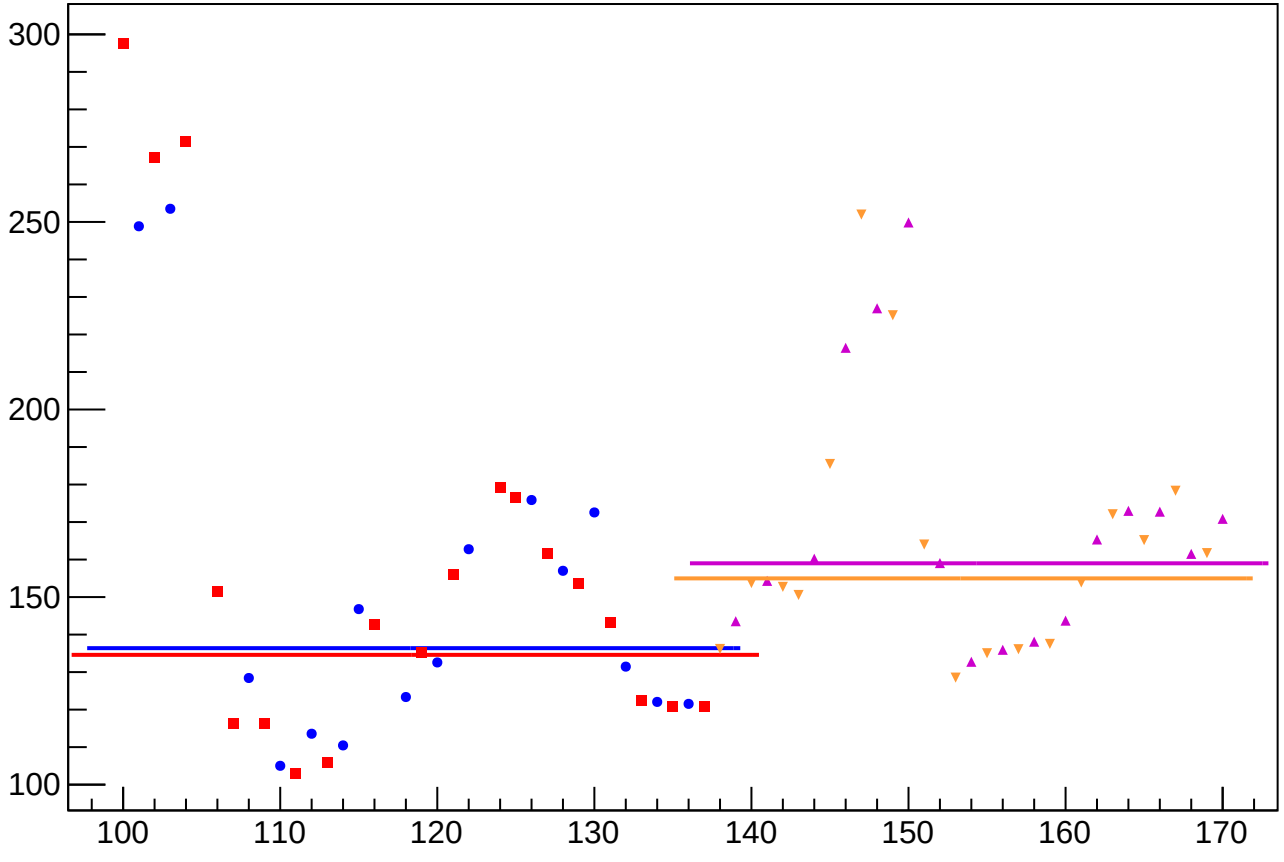
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4361.434+/-34.344 χ^2/NDF:42292.1/31

Out: -2704.112+/-33.229 χ^2/NDF:17065.7/35

All: -3505.422+/-23.881 χ^2/NDF: 60560.5/67

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 154.981+/-0.031 χ^2/NDF:699167.5/16

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 159.003+/-0.032 χ^2/NDF:723587.6/15

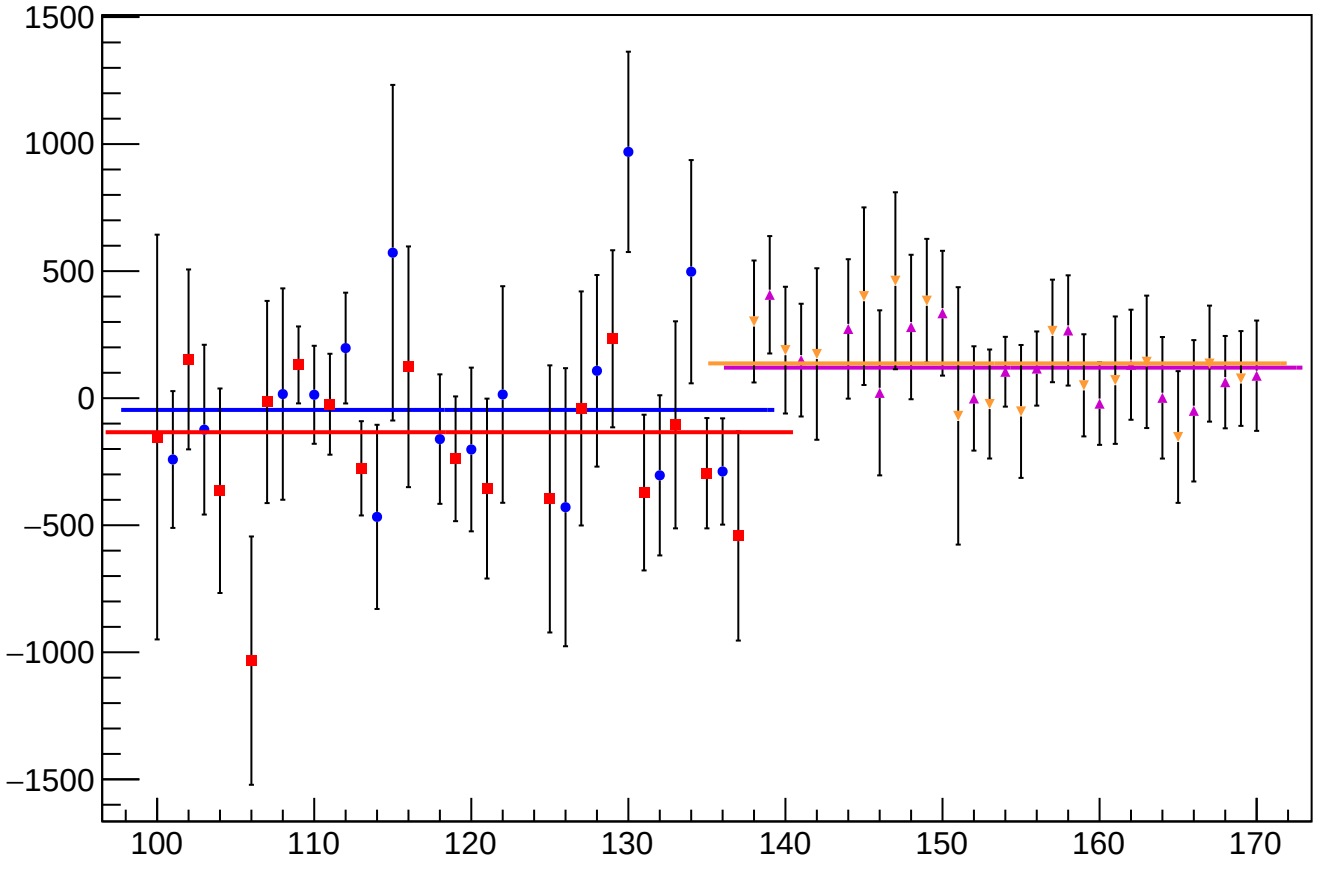
Left: 156.920+/-0.022 χ^2/NDF: 1431097.0/32

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 149.669+/-0.024 χ^2/NDF:1730700.9/31

Out: 146.641+/-0.023 χ^2/NDF:1800703.8/35

All: 148.105+/-0.017 χ^2/NDF: 3539436.6/67



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 136.908+/-62.191 χ^2/NDF:6.3/15

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 120.184+/-51.512 χ^2/NDF:5.4/15

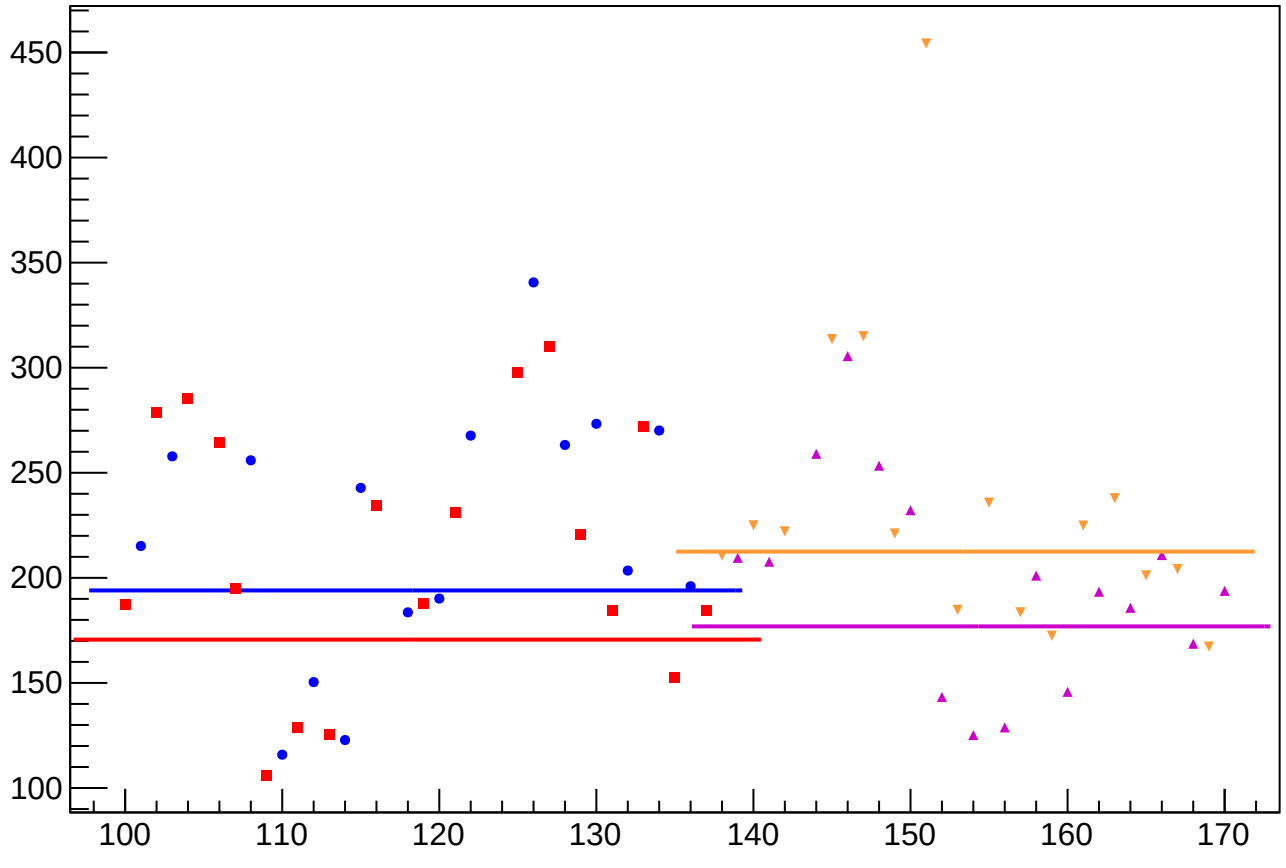
Left: 126.989+/-39.671 χ^2/NDF: 11.7/31

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 68.075+/-42.690 χ^2/NDF:24.1/31

Out: 14.371+/-46.019 χ^2/NDF:27.7/33

All: 43.235+/-31.297 χ^2/NDF: 52.5/65



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 212.489+/-0.044 χ^2/NDF:1123333.7/15

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 176.909+/-0.036 χ^2/NDF:1530201.8/15

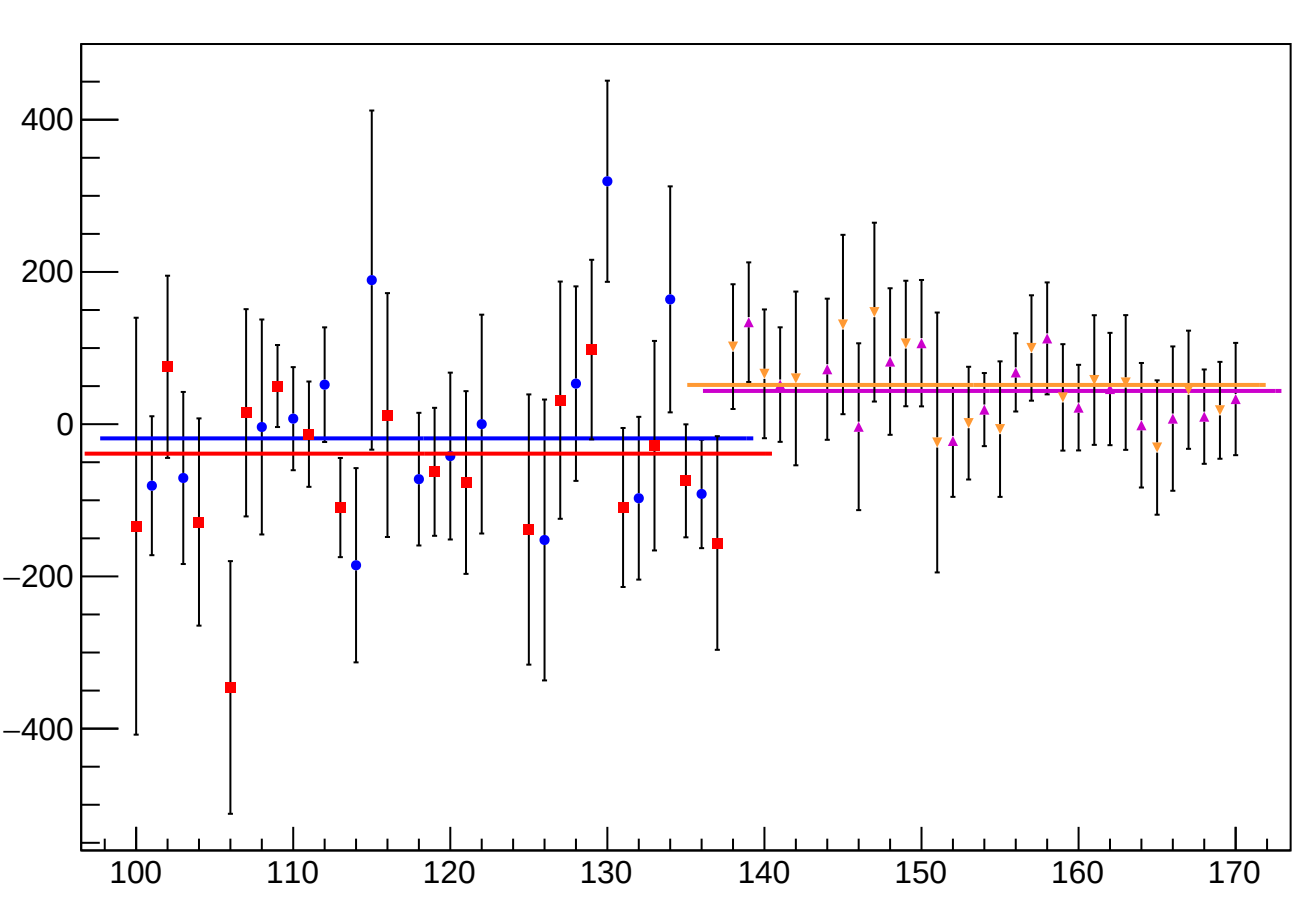
Left: 191.387+/-0.028 χ^2/NDF: 3041793.0/31

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.267+/-0.030 χ^2/NDF:2642878.0/31

Out: 193.547+/-0.033 χ^2/NDF:3127158.4/33

All: 187.484+/-0.022 χ^2/NDF: 5834616.6/65



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.569+/-21.226 χ^2/NDF:4.7/15

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 43.668+/-17.739 χ^2/NDF:5.4/15

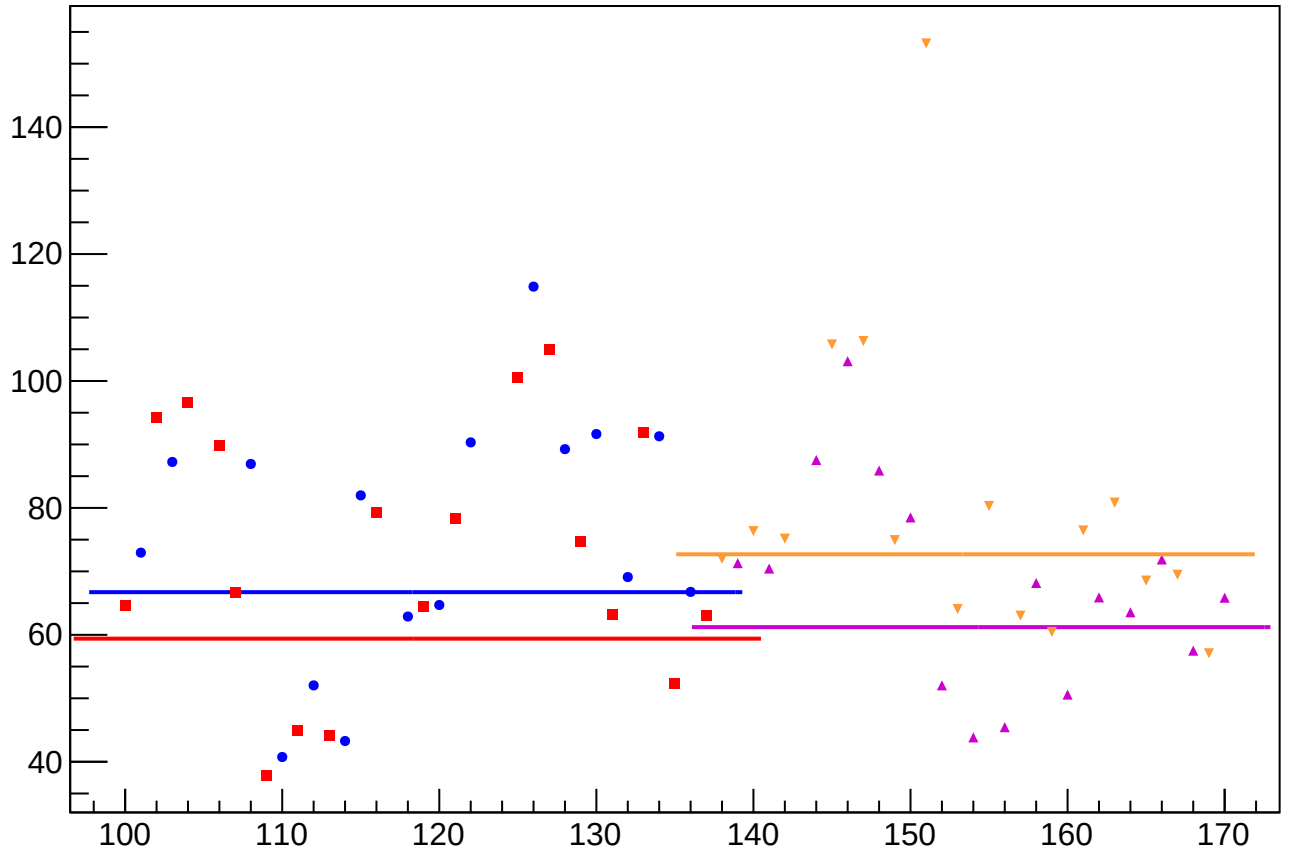
Left: 46.917+/-13.612 χ^2/NDF: 10.3/31

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.001+/-14.675 χ^2/NDF:24.5/31

Out: 11.293+/-15.797 χ^2/NDF:25.4/33

All: 18.114+/-10.752 χ^2/NDF: 50.3/65



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 72.692+/-0.015 χ^2/NDF:1062765.5/15

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.216+/-0.013 χ^2/NDF:1355125.6/15

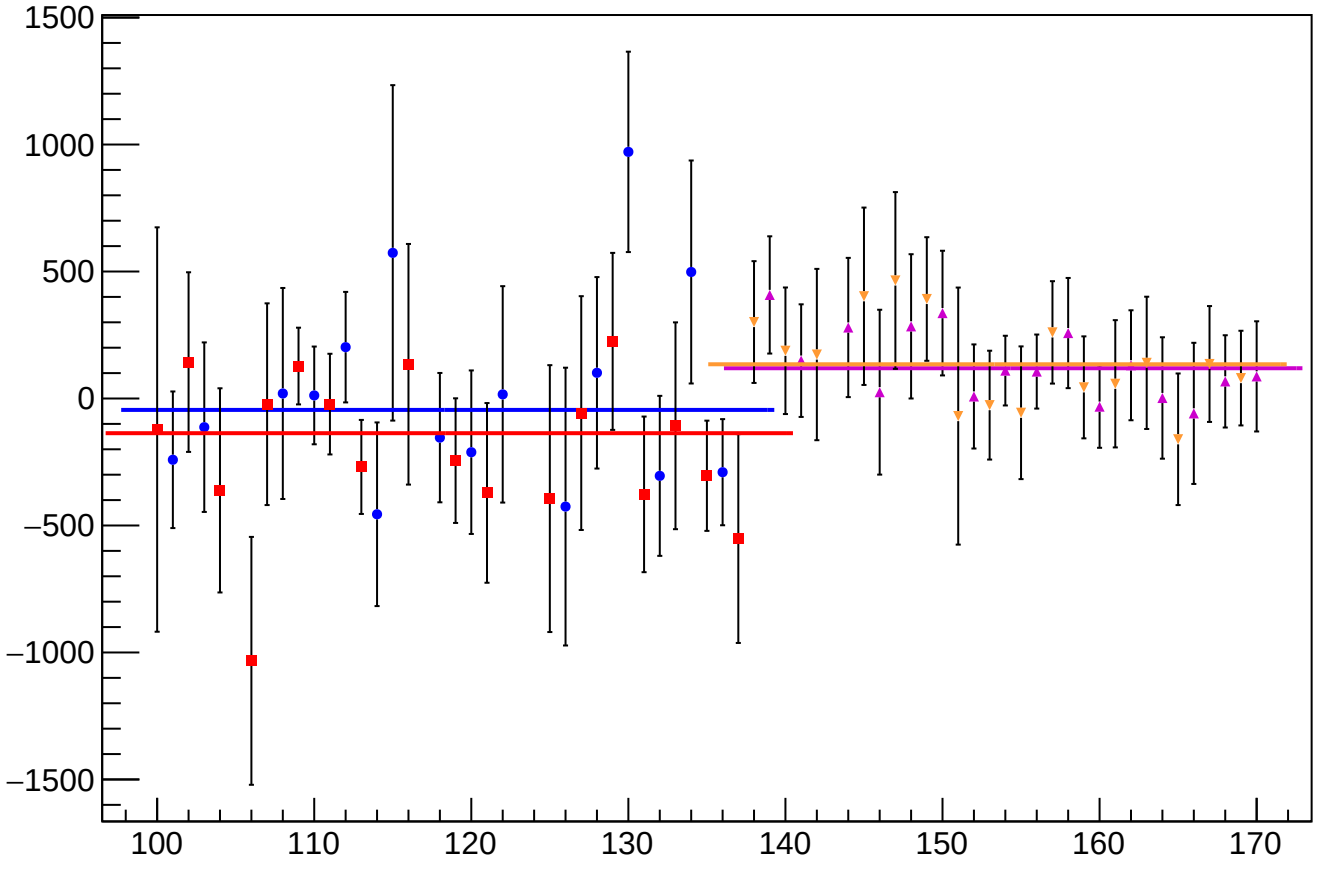
Left: 65.935+/-0.010 χ^2/NDF: 2762098.5/31

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.954+/-0.010 χ^2/NDF:2363033.5/31

Out: 66.762+/-0.011 χ^2/NDF:2857967.4/33

All: 64.718+/-0.008 χ^2/NDF: 5283387.6/65



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 134.777+/-62.140 χ^2/NDF:6.5/15

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 119.157+/-51.468 χ^2/NDF:5.5/15

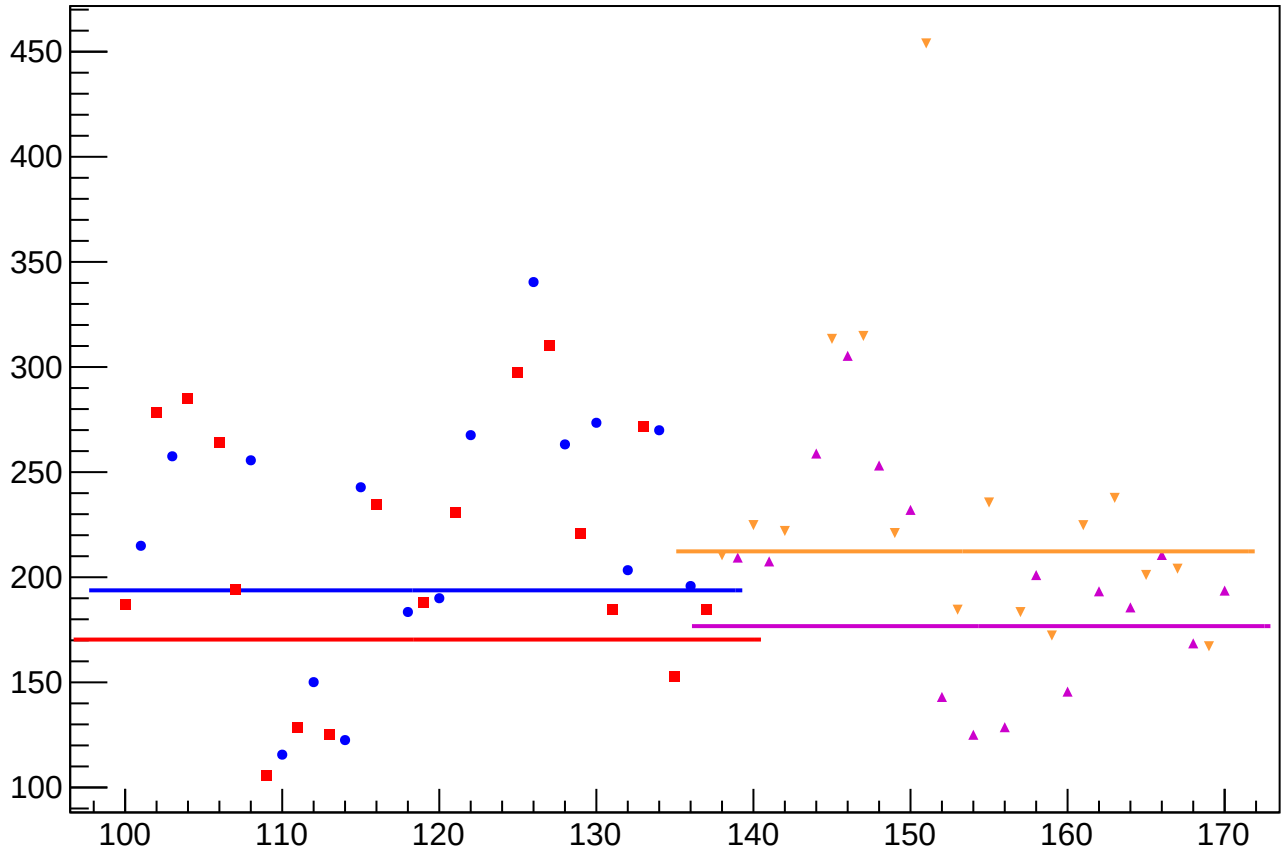
Left: 125.512+/-39.637 χ^2/NDF: 12.0/31

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 67.753+/-42.650 χ^2/NDF:24.1/31

Out: 11.929+/-45.970 χ^2/NDF:28.0/33

All: 41.930+/-31.266 χ^2/NDF: 52.9/65



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 212.310+/-0.044 χ^2/NDF:1123950.4/15

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 176.748+/-0.036 χ^2/NDF:1532252.3/15

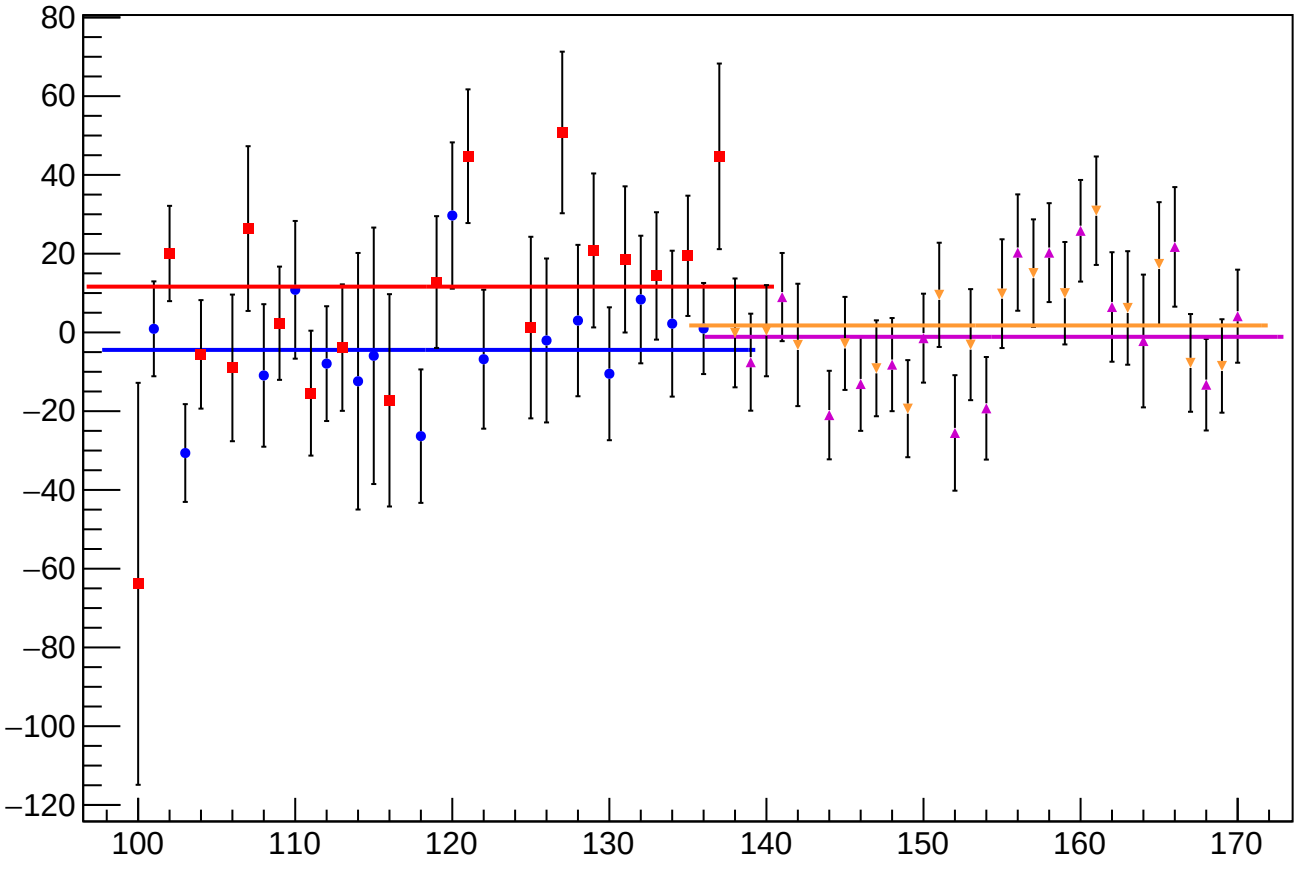
Left: 191.217+/-0.028 χ^2/NDF: 3044711.3/31

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.080+/-0.030 χ^2/NDF:2648869.9/31

Out: 193.317+/-0.033 χ^2/NDF:3135664.4/33

All: 187.278+/-0.022 χ^2/NDF: 5848759.5/65



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.770+/-3.291 χ^2/NDF:13.1/15

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.116+/-3.169 χ^2/NDF:23.5/15

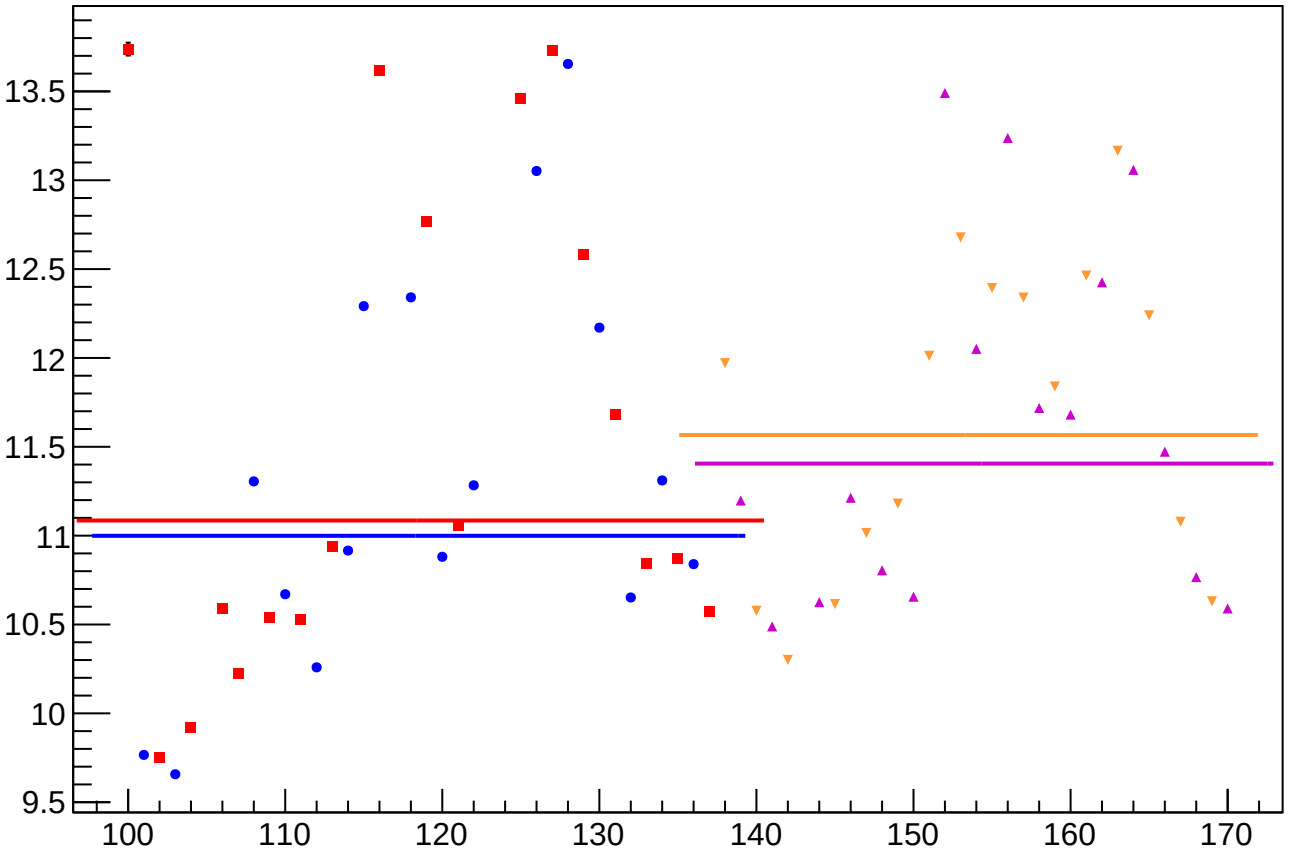
Left: 0.272+/-2.283 χ^2/NDF: 37.0/31

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.347+/-2.514 χ^2/NDF:35.9/31

Out: 5.591+/-2.575 χ^2/NDF:38.2/33

All: 1.526+/-1.799 χ^2/NDF: 78.9/65



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.566+/-0.002 χ^2/NDF:130108.0/15

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.405+/-0.002 χ^2/NDF:161913.1/15

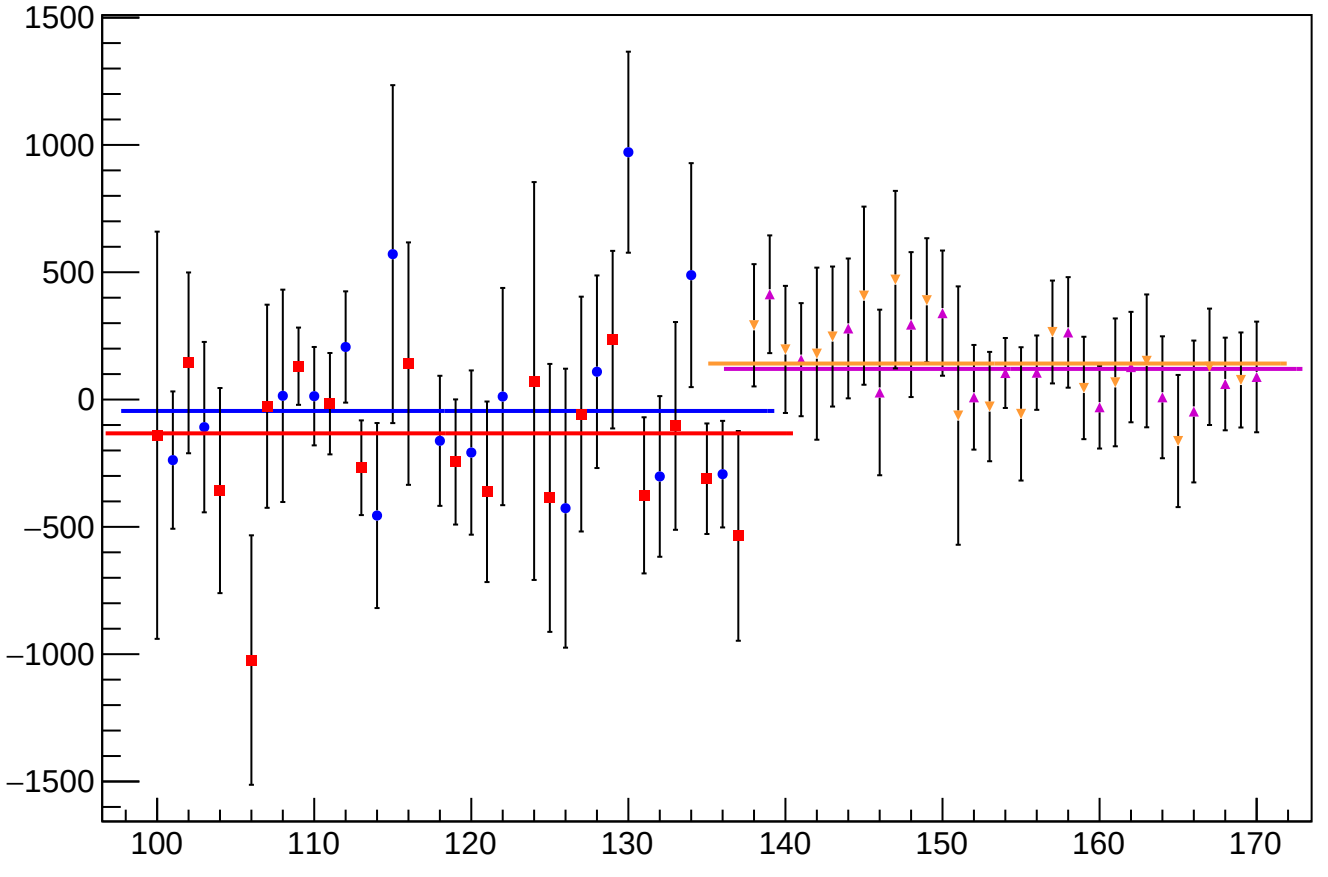
Left: 11.483+/-0.002 χ^2/NDF: 294500.5/31

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.255+/-0.002 χ^2/NDF:310261.3/31

Out: 11.380+/-0.002 χ^2/NDF:308875.3/33

All: 11.316+/-0.001 χ^2/NDF: 621547.8/65



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 141.422+/-60.715 χ^2/NDF:6.7/16

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 120.309+/-51.552 χ^2/NDF:5.5/15

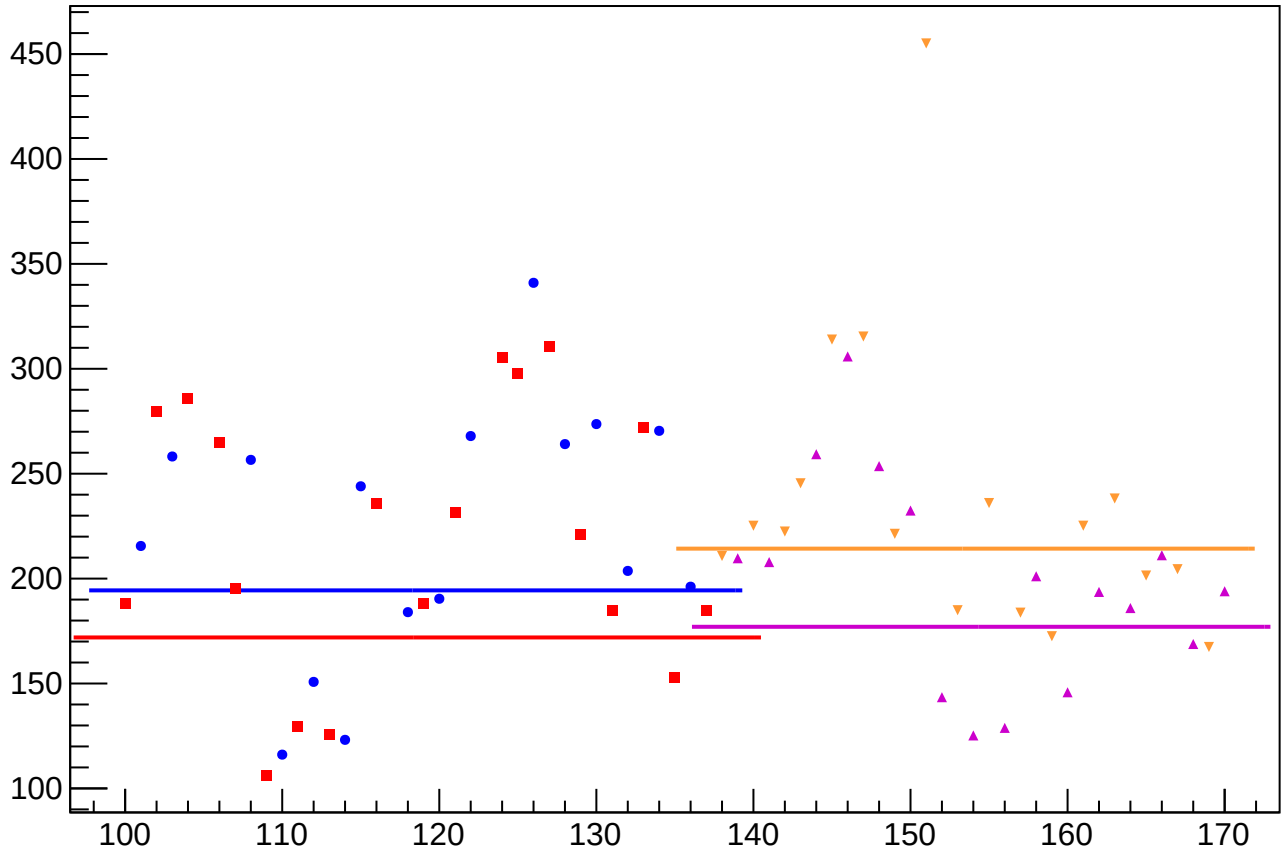
Left: 129.153+/-39.297 χ^2/NDF: 12.3/32

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.676+/-42.738 χ^2/NDF:24.2/31

Out: 20.348+/-45.369 χ^2/NDF:28.5/35

All: 45.954+/-31.109 χ^2/NDF: 53.3/67



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 214.283+/-0.043 χ^2/NDF:1151892.7/16

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.033+/-0.036 χ^2/NDF:1532637.7/15

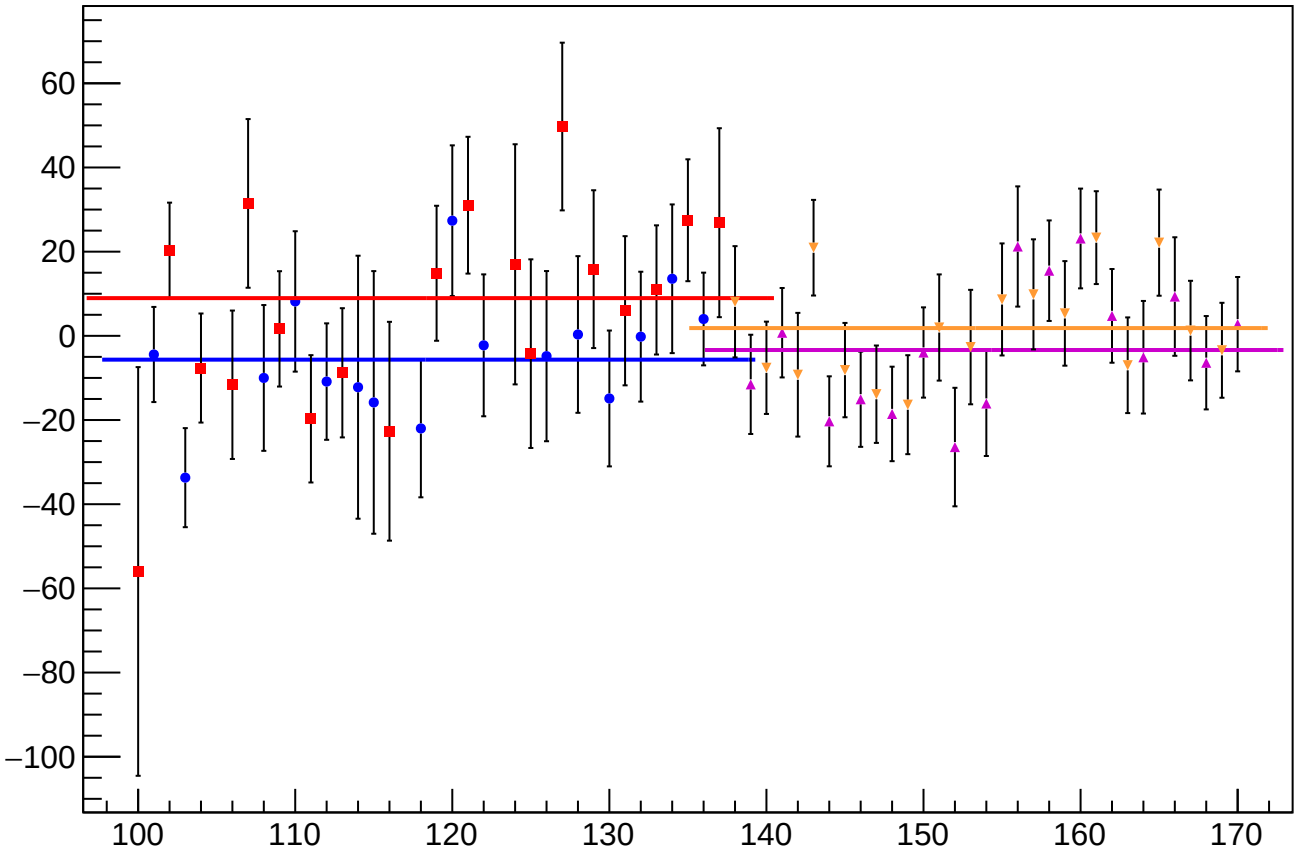
Left: 192.638+/-0.028 χ^2/NDF: 3121966.5/32

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.459+/-0.030 χ^2/NDF:2645523.8/31

Out: 195.587+/-0.032 χ^2/NDF:3232642.6/35

All: 188.631+/-0.022 χ^2/NDF: 5966882.9/67



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.842+/-2.936 χ^2/NDF:17.4/16

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.366+/-2.955 χ^2/NDF:22.0/15

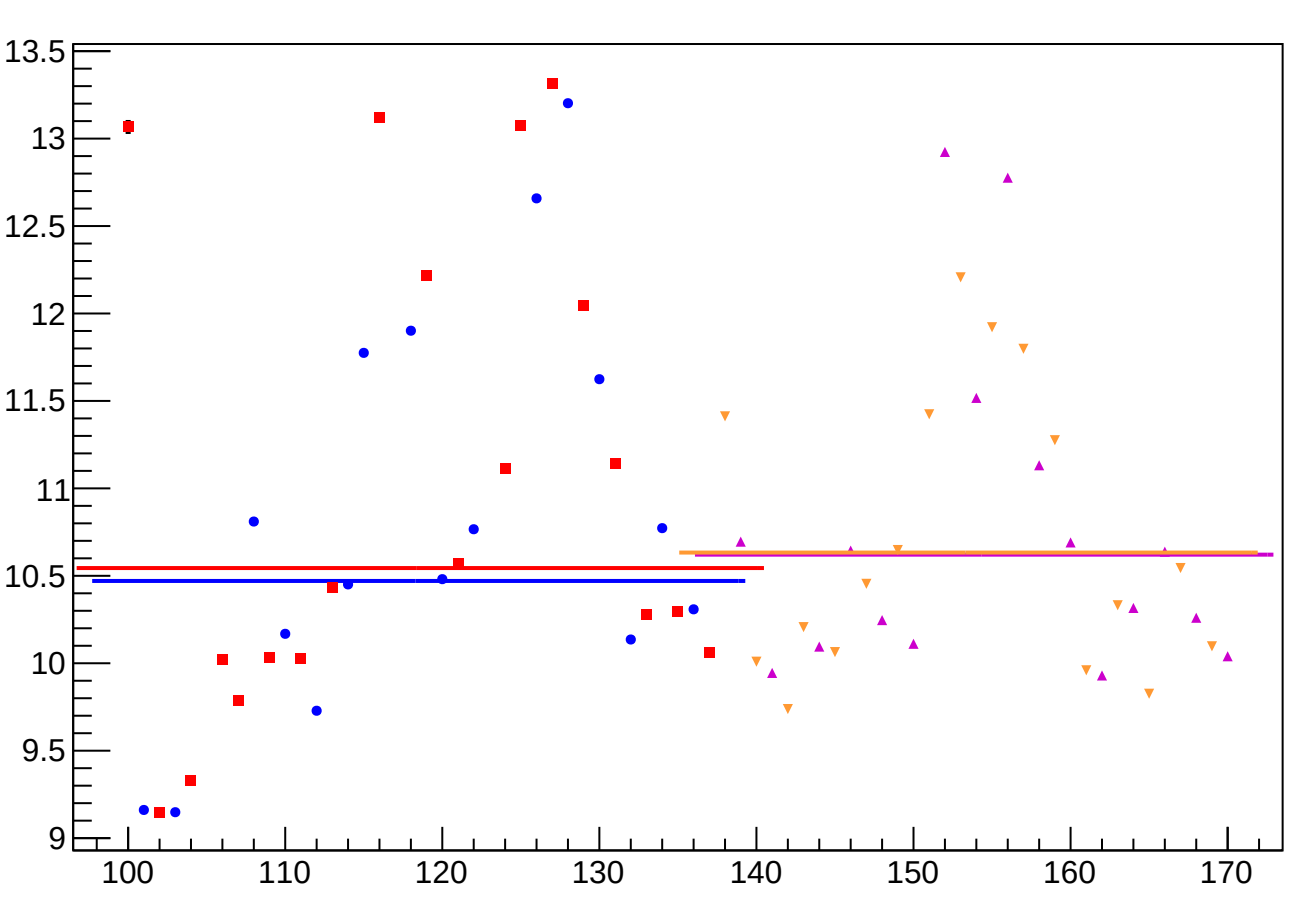
Left: -0.745+/-2.083 χ^2/NDF: 40.9/32

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.191+/-2.364 χ^2/NDF:35.8/31

Out: 4.416+/-2.346 χ^2/NDF:42.3/35

All: 0.145+/-1.665 χ^2/NDF: 84.9/67



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.633+/-0.002 χ^2/NDF:125586.3/16

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.621+/-0.002 χ^2/NDF:149098.4/15

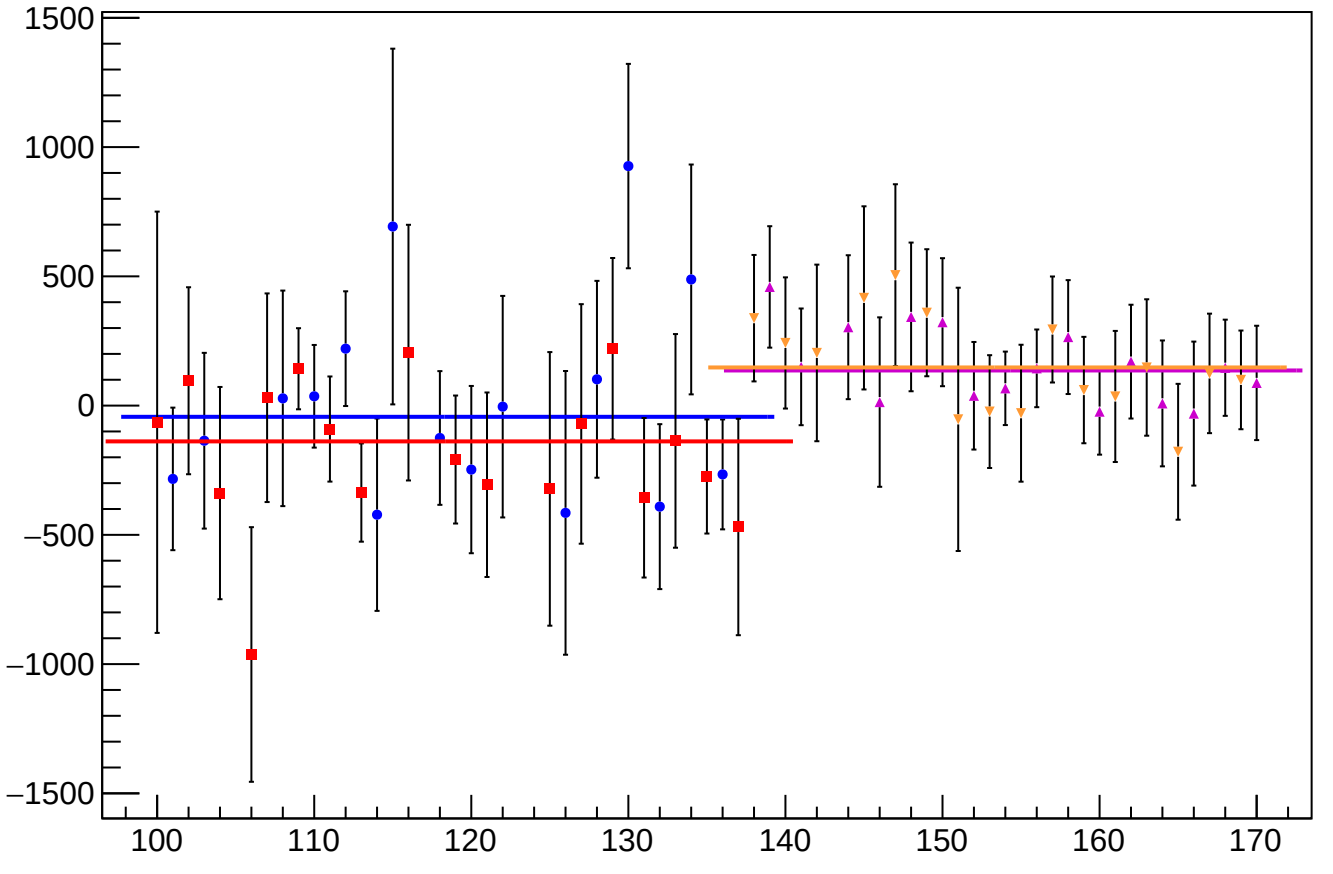
Left: 10.627+/-0.001 χ^2/NDF: 274701.4/32

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.567+/-0.002 χ^2/NDF:308329.5/31

Out: 10.601+/-0.002 χ^2/NDF:313025.6/35

All: 10.584+/-0.001 χ^2/NDF: 621564.8/67



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.570+/-63.181 χ^2/NDF:6.8/15

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 135.931+/-52.577 χ^2/NDF:5.9/15

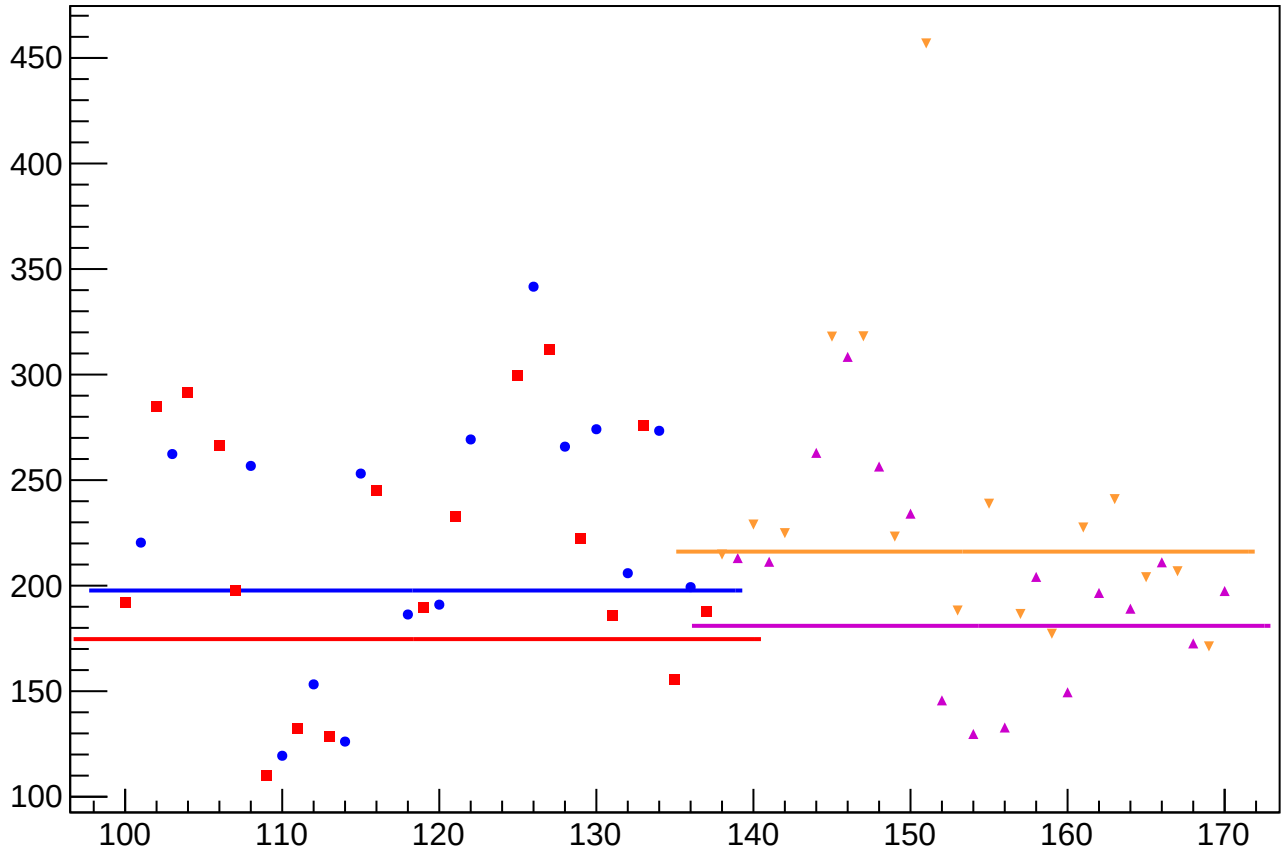
Left: 140.693+/-40.414 χ^2/NDF: 12.8/31

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 79.498+/-43.524 χ^2/NDF:25.0/31

Out: 18.825+/-46.852 χ^2/NDF:27.5/33

All: 51.393+/-31.888 χ^2/NDF: 53.5/65



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 216.133+/-0.045 χ^2/NDF:1089159.1/15

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 180.971+/-0.037 χ^2/NDF:1446384.8/15

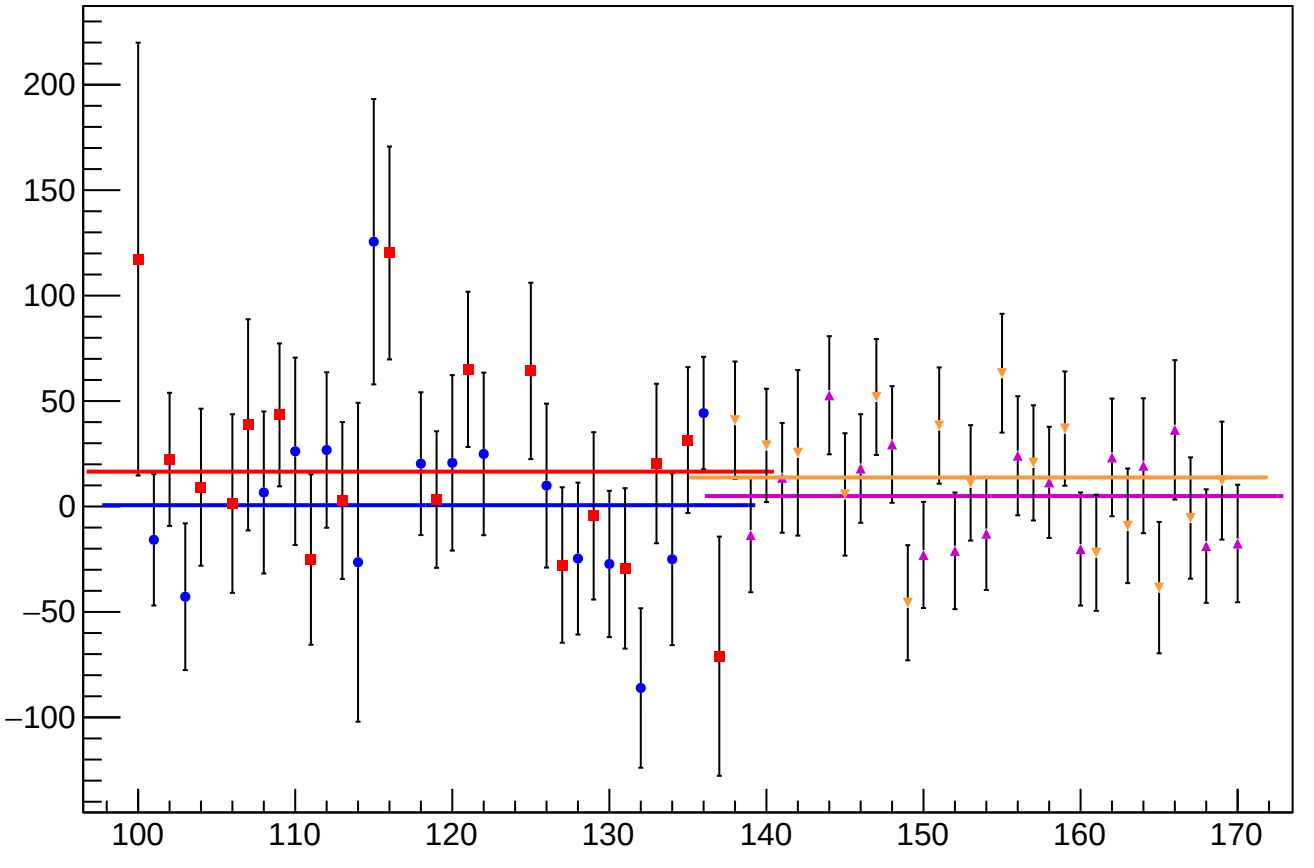
Left: 195.357+/-0.029 χ^2/NDF: 2901543.0/31

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

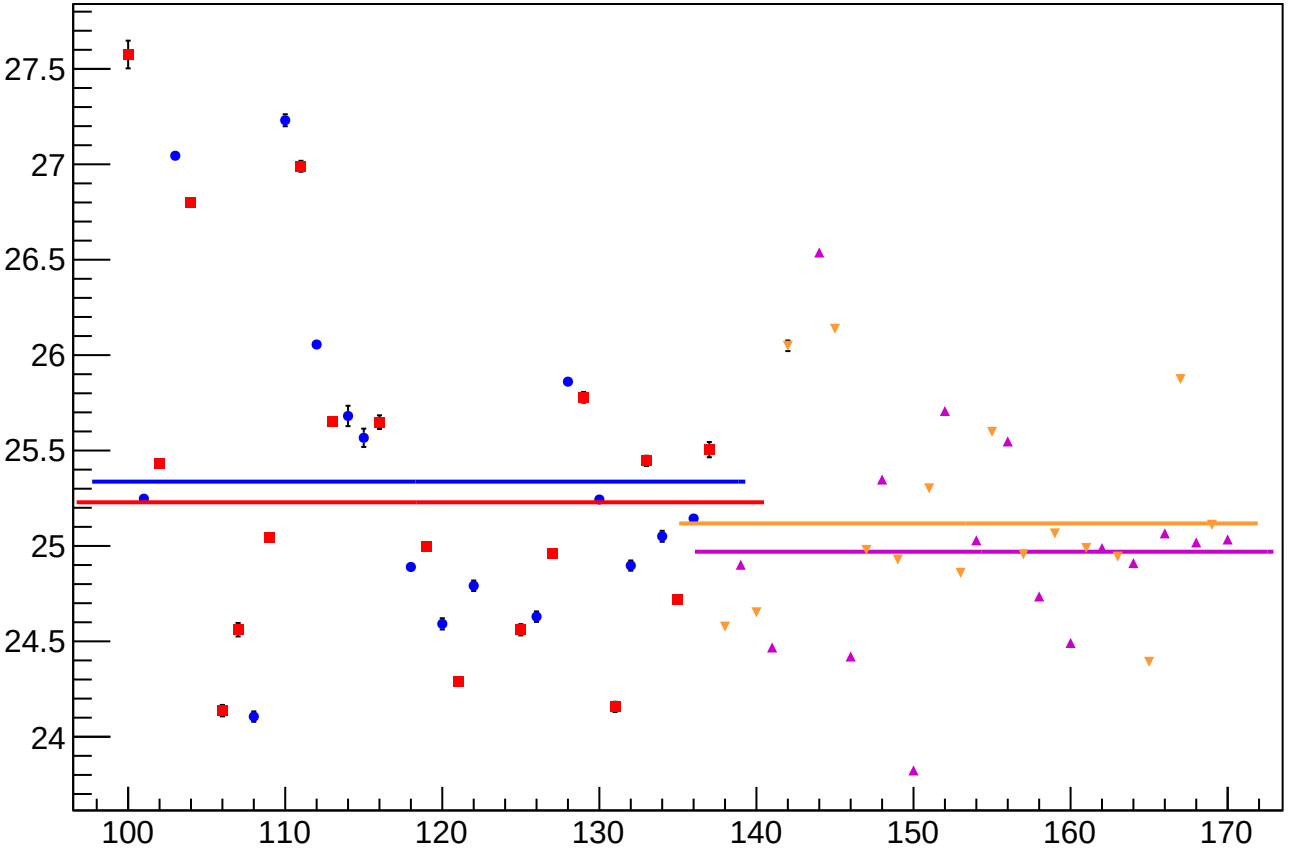
In: 186.238+/-0.031 χ^2/NDF:2510490.9/31

Out: 197.474+/-0.033 χ^2/NDF:3011443.8/33

All: 191.443+/-0.023 χ^2/NDF: 5583676.5/65


asym_bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 13.768+/-7.075 χ²/NDF:18.4/15
Right Out: 16.534+/-9.307 χ²/NDF: 16.4/17
Left In: 4.952+/-6.876 χ²/NDF:11.5/15
Left: 9.234+/-4.931 χ²/NDF: 30.7/31
Right: 8.674+/-6.621 χ²/NDF: 34.6/33
In: 3.446+/-5.554 χ²/NDF:28.3/31
Out: 14.781+/-5.632 χ²/NDF:34.9/33
All: 9.034+/-3.955 χ²/NDF: 65.2/65

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.118+/-0.005 χ^2/NDF:8618.1/15

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.970+/-0.005 χ^2/NDF:15563.3/15

Left: 25.042+/-0.003 χ^2/NDF: 24632.4/31

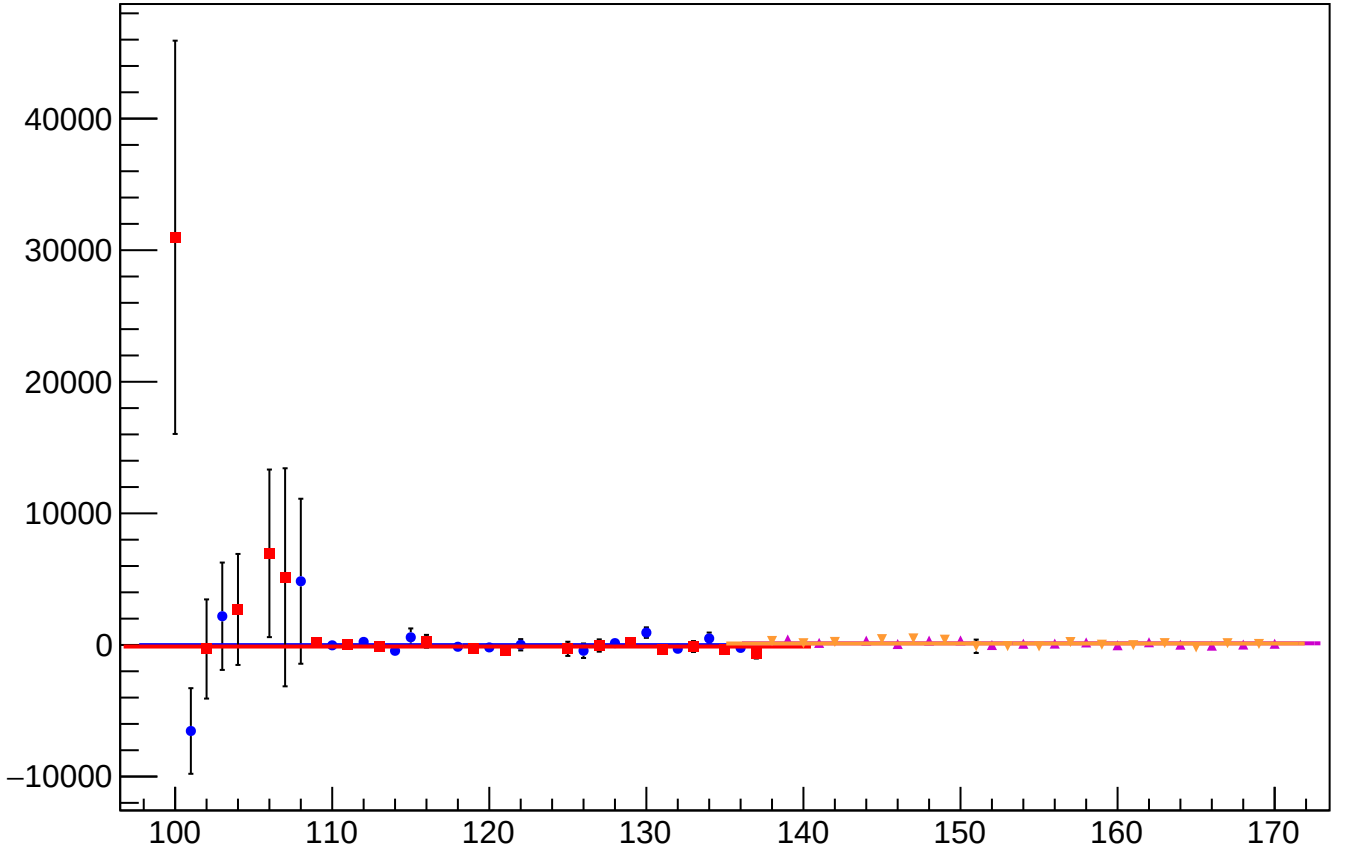
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.097+/-0.004 χ^2/NDF:31861.8/31

Out: 25.158+/-0.004 χ^2/NDF:23974.2/33

All: 25.127+/-0.003 χ^2/NDF: 55955.4/65

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 111.239+/-63.527 χ^2/NDF:7.8/15

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 124.873+/-53.238 χ^2/NDF:5.6/15

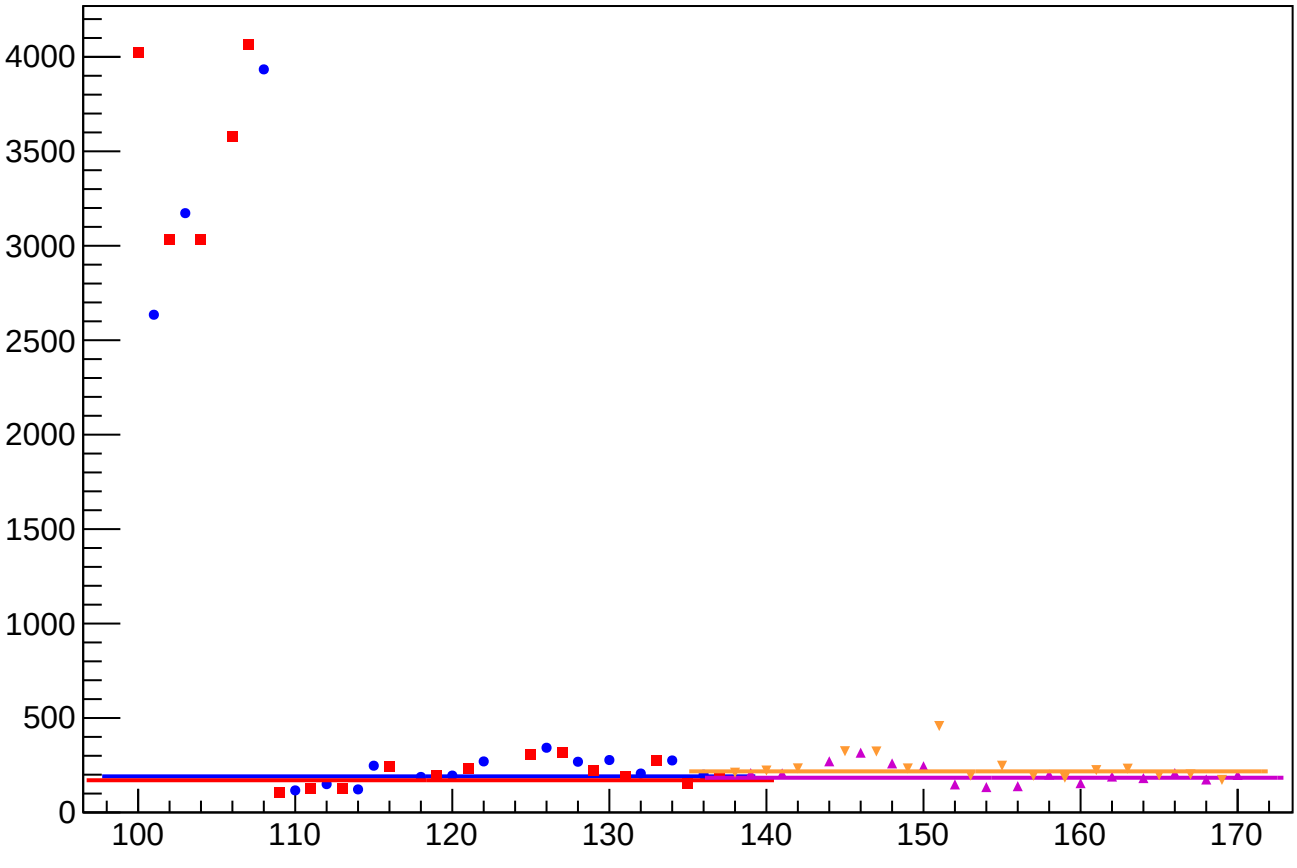
Left: 119.248+/-40.804 χ^2/NDF: 13.4/31

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 85.620+/-45.036 χ^2/NDF:25.8/31

Out: 19.379+/-49.319 χ^2/NDF:27.4/33

All: 55.500+/-33.257 χ^2/NDF: 54.3/65



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 217.535+/-0.045 χ^2/NDF:1068697.8/15

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 183.748+/-0.038 χ^2/NDF:1329465.7/15

Left: 197.687+/-0.029 χ^2/NDF: 2730500.1/31

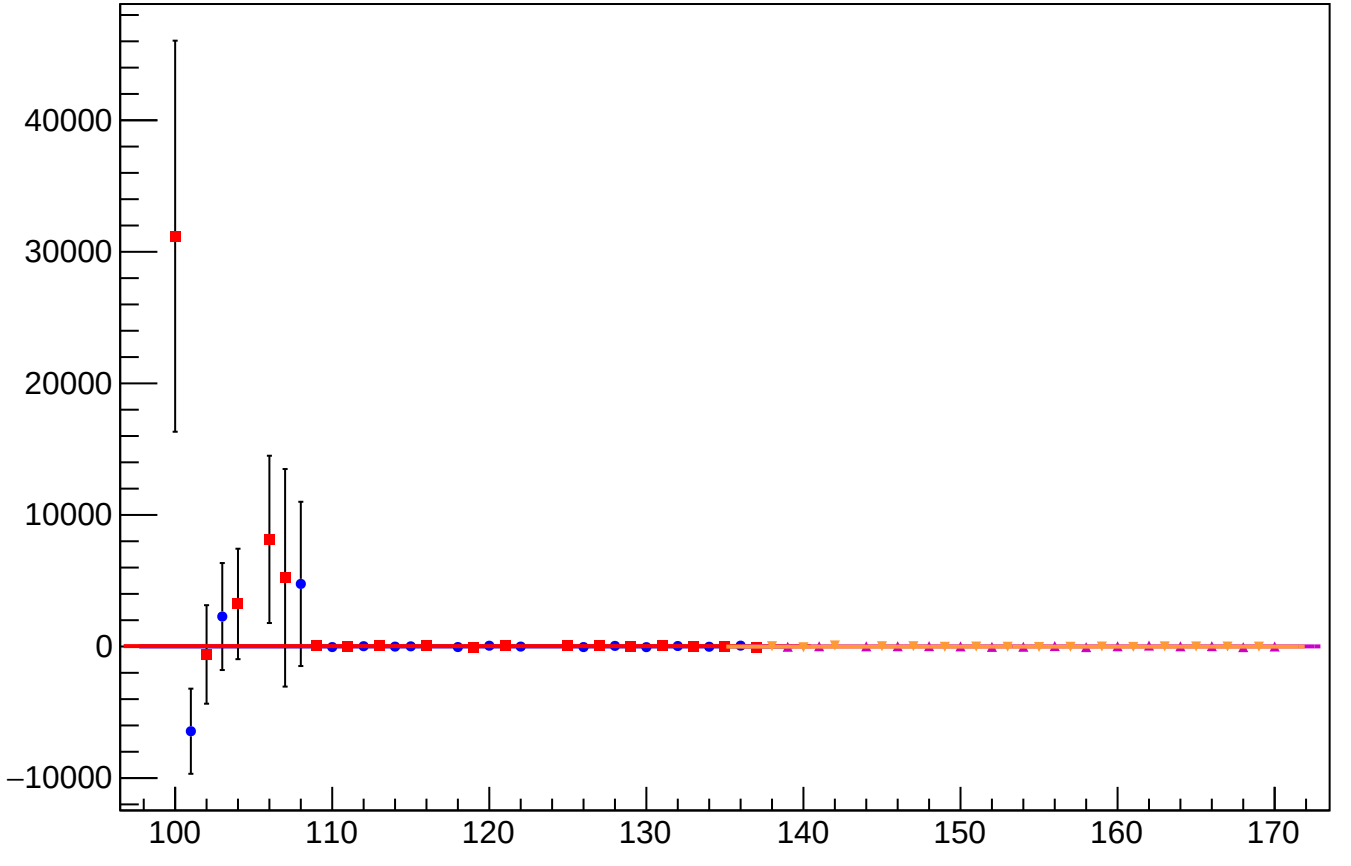
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.830+/-0.032 χ^2/NDF:5174175.9/31

Out: 198.846+/-0.035 χ^2/NDF:5759199.6/33

All: 191.749+/-0.024 χ^2/NDF: 11009340.1/65

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: -7.336+/-8.134 χ^2/NDF:10.7/15

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 8.567+/-7.977 χ^2/NDF:16.0/15

Left: 0.770+/-5.696 χ^2/NDF: 28.7/31

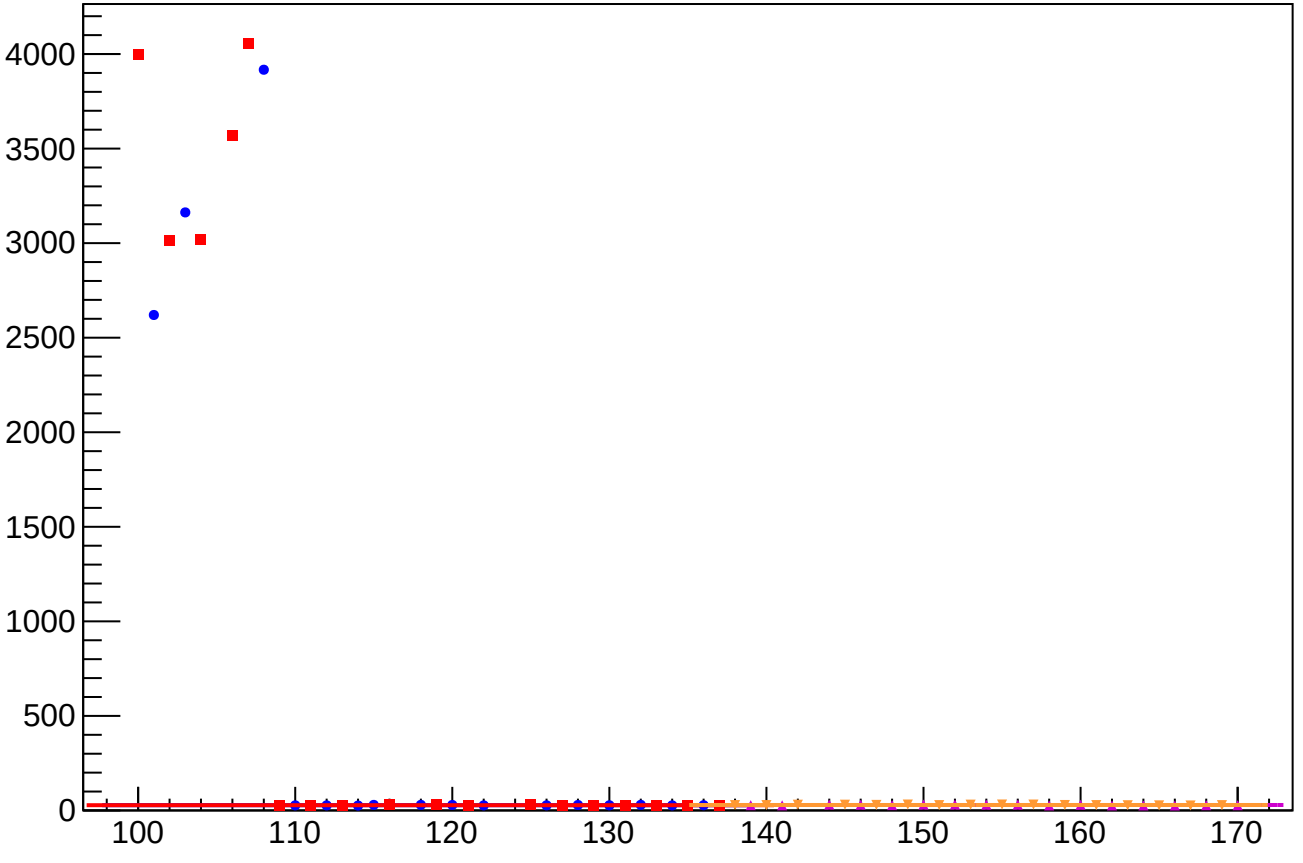
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.913+/-6.603 χ^2/NDF:34.3/31

Out: 4.537+/-6.748 χ^2/NDF:37.4/33

All: 6.262+/-4.719 χ^2/NDF: 71.9/65

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: 28.821+/-0.006 χ^2/NDF:71299.8/15

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.891+/-0.006 χ^2/NDF:111648.8/15

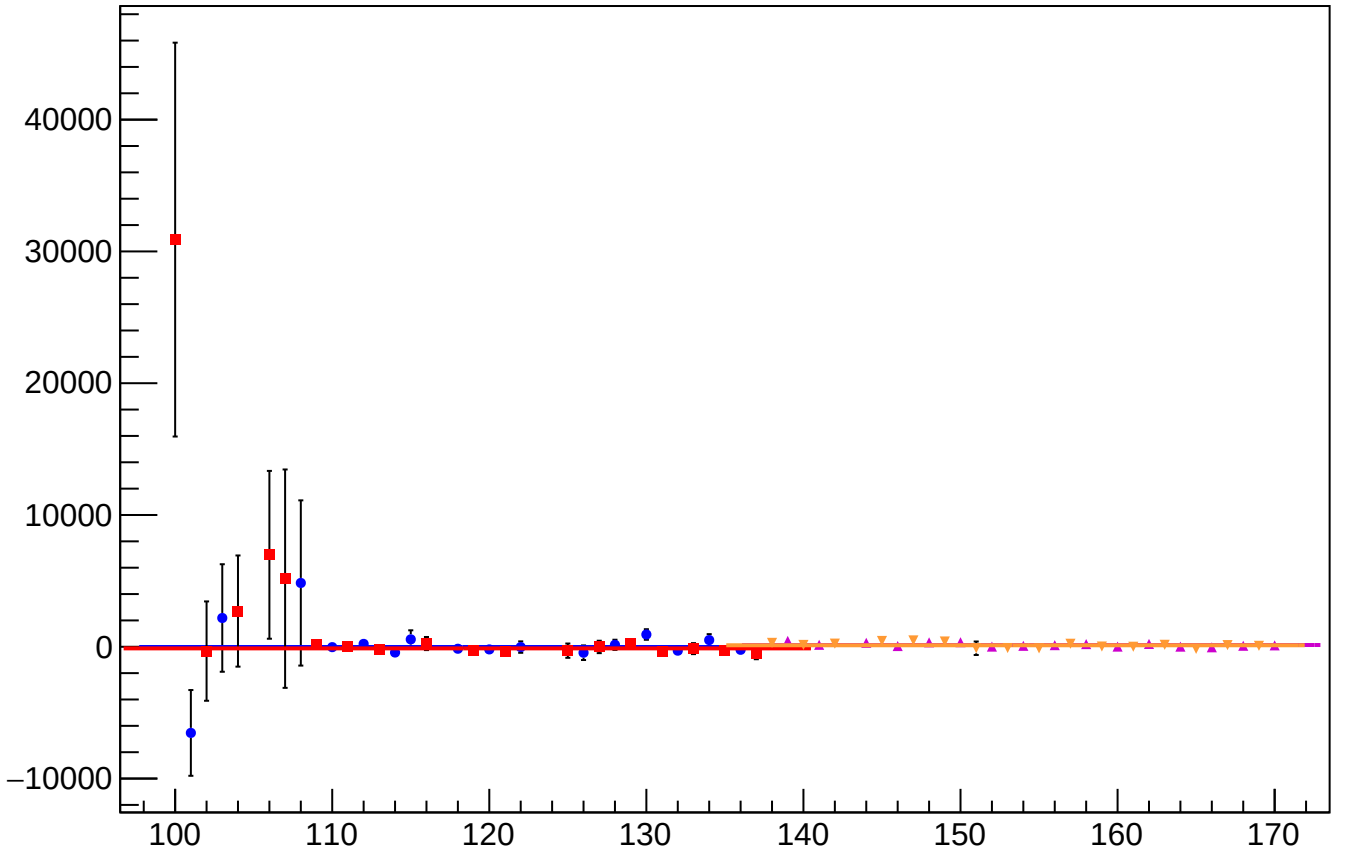
Left: 28.857+/-0.004 χ^2/NDF: 183023.9/31

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.555+/-0.005 χ^2/NDF:3388795.3/31

Out: 28.496+/-0.005 χ^2/NDF:3639948.5/33

All: 28.526+/-0.003 χ^2/NDF: 7028822.7/65



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 115.050+/-64.037 χ^2/NDF:7.5/15

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 134.537+/-53.744 χ^2/NDF:5.3/15

Left: 126.484+/-41.167 χ^2/NDF: 12.9/31

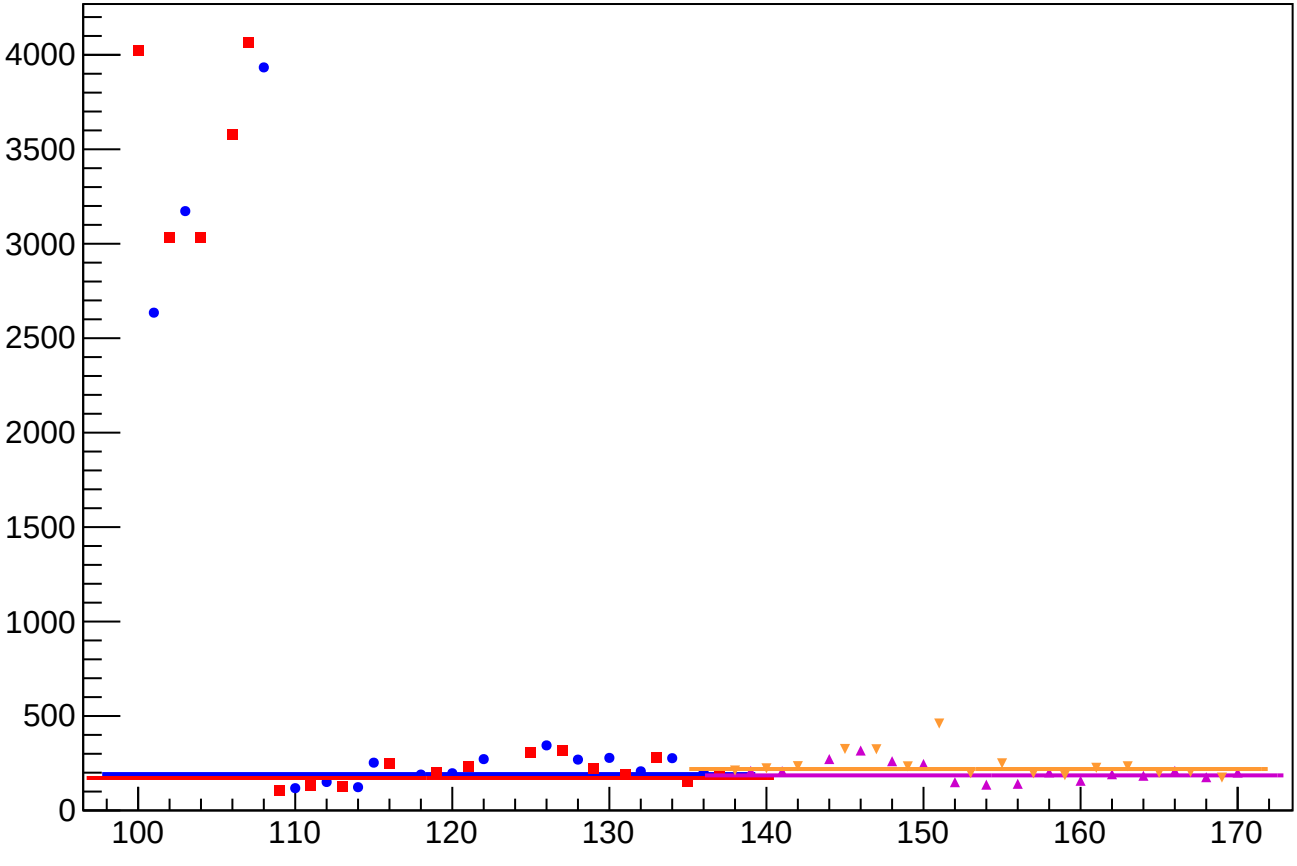
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.584+/-45.435 χ^2/NDF:25.9/31

Out: 21.011+/-49.707 χ^2/NDF:26.2/33

All: 58.915+/-33.536 χ^2/NDF: 53.1/65

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 219.391+/-0.045 χ^2/NDF:1052121.3/15

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 185.670+/-0.038 χ^2/NDF:1289504.6/15

Left: 199.606+/-0.029 χ^2/NDF: 2667019.4/31

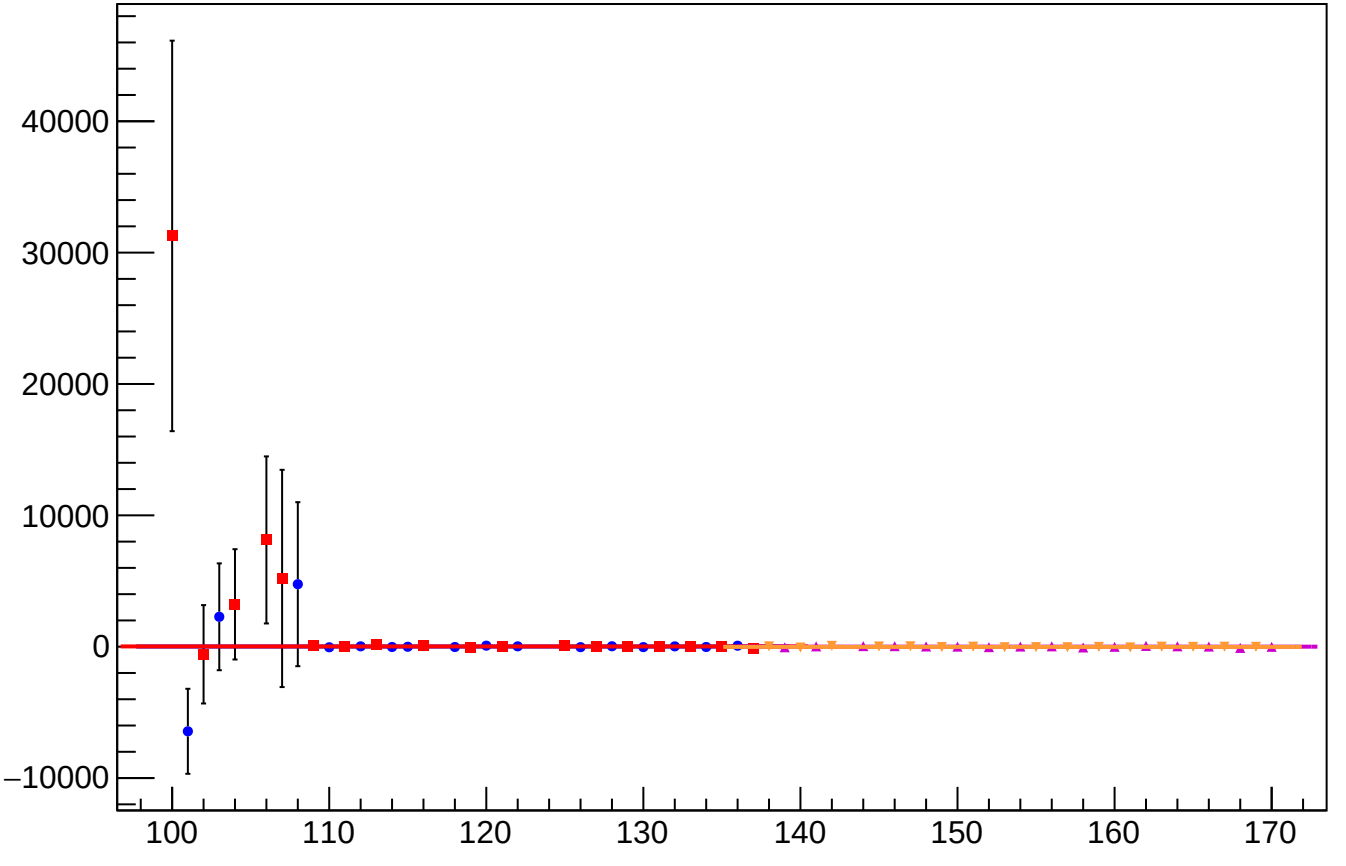
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.635+/-0.032 χ^2/NDF:5121673.0/31

Out: 200.514+/-0.035 χ^2/NDF:5737155.2/33

All: 193.498+/-0.024 χ^2/NDF: 10931971.1/65

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.166+/-8.766 χ^2/NDF:11.5/15

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 2.869+/-8.606 χ^2/NDF:22.5/15

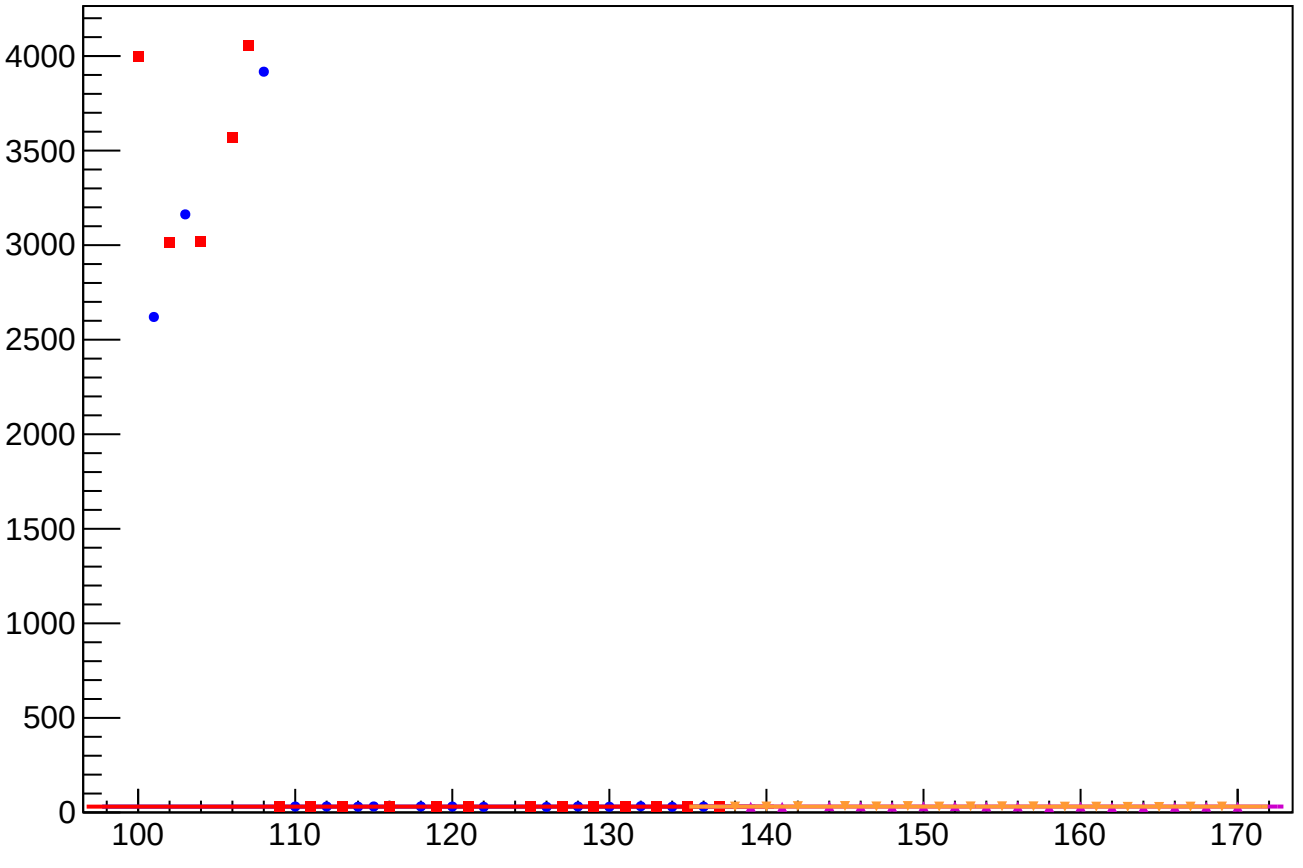
Left: -5.491+/-6.141 χ^2/NDF: 36.0/31

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 6.152+/-7.186 χ^2/NDF:38.5/31

Out: -3.335+/-7.333 χ^2/NDF:45.0/33

All: 1.504+/-5.133 χ^2/NDF: 84.3/65



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.085+/-0.006 χ^2/NDF:41805.6/15

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.190+/-0.006 χ^2/NDF:77087.6/15

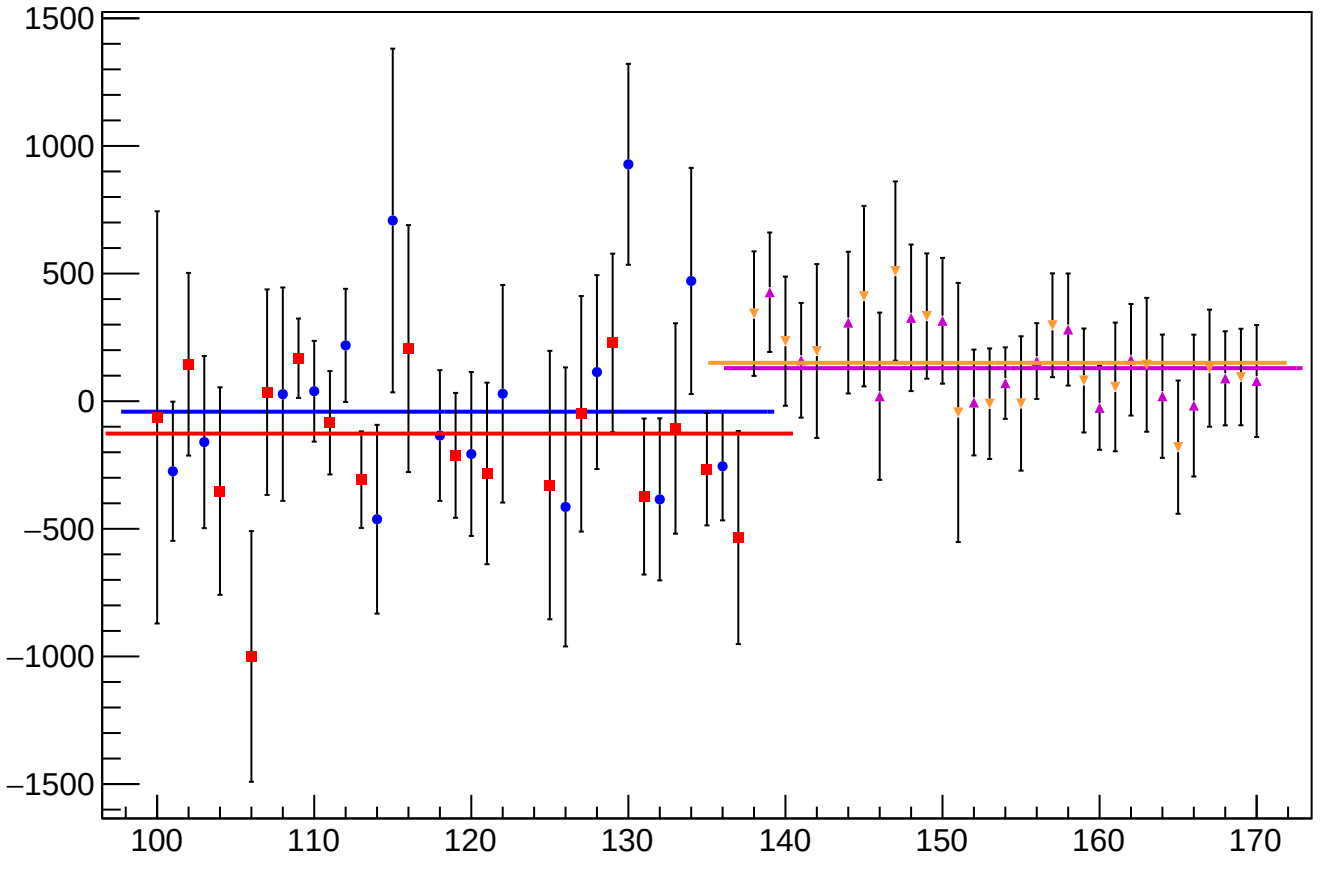
Left: 31.138+/-0.004 χ^2/NDF: 119037.6/31

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.110+/-0.005 χ^2/NDF:3330252.9/31

Out: 31.001+/-0.005 χ^2/NDF:3578382.9/33

All: 31.057+/-0.004 χ^2/NDF: 6908864.2/65



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.426+/-62.794 χ^2/NDF:6.4/15

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 129.418+/-52.161 χ^2/NDF:5.8/15

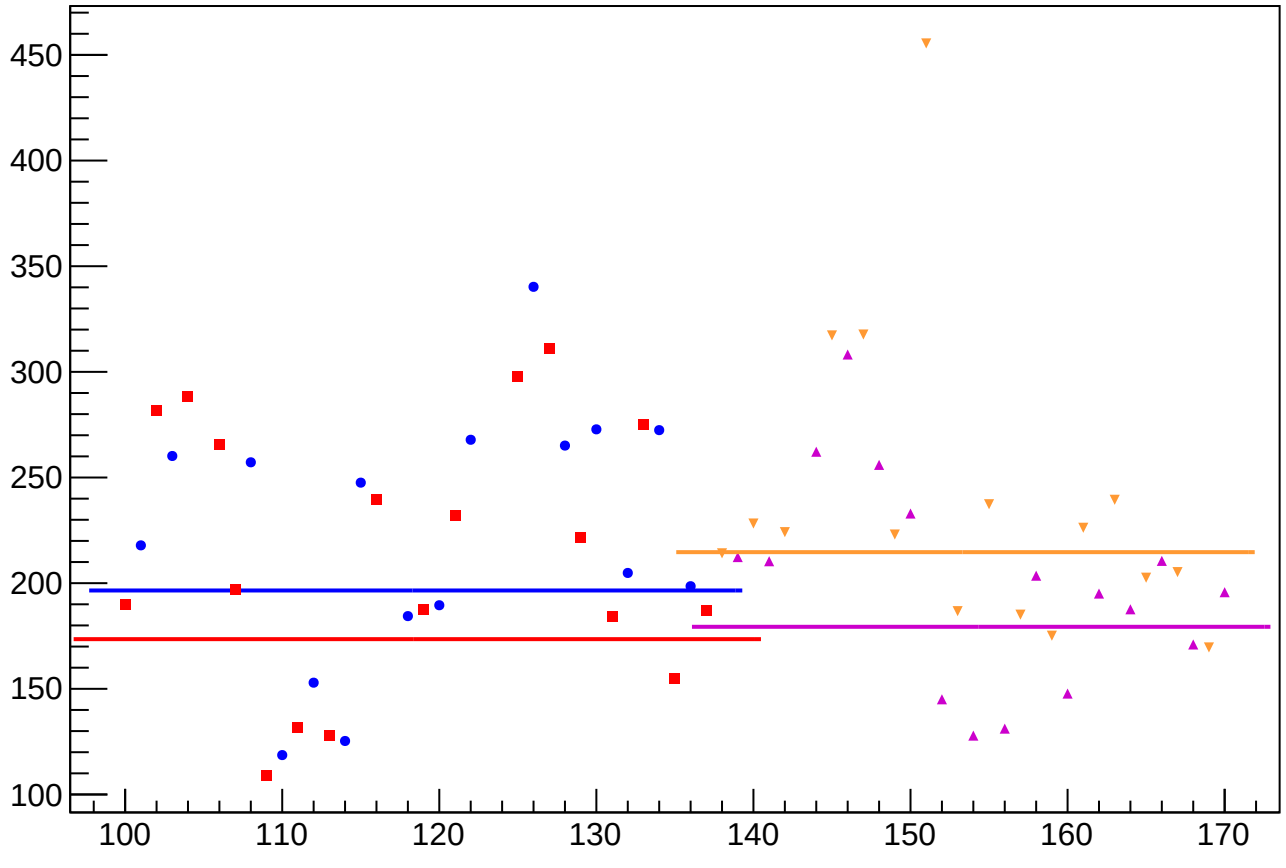
Left: 137.995+/-40.124 χ^2/NDF: 12.3/31

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 75.911+/-43.209 χ^2/NDF:24.8/31

Out: 25.554+/-46.558 χ^2/NDF:28.0/33

All: 52.608+/-31.671 χ^2/NDF: 53.4/65



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 214.681+/-0.044 χ^2/NDF:1109188.6/15

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 179.355+/-0.037 χ^2/NDF:1489524.9/15

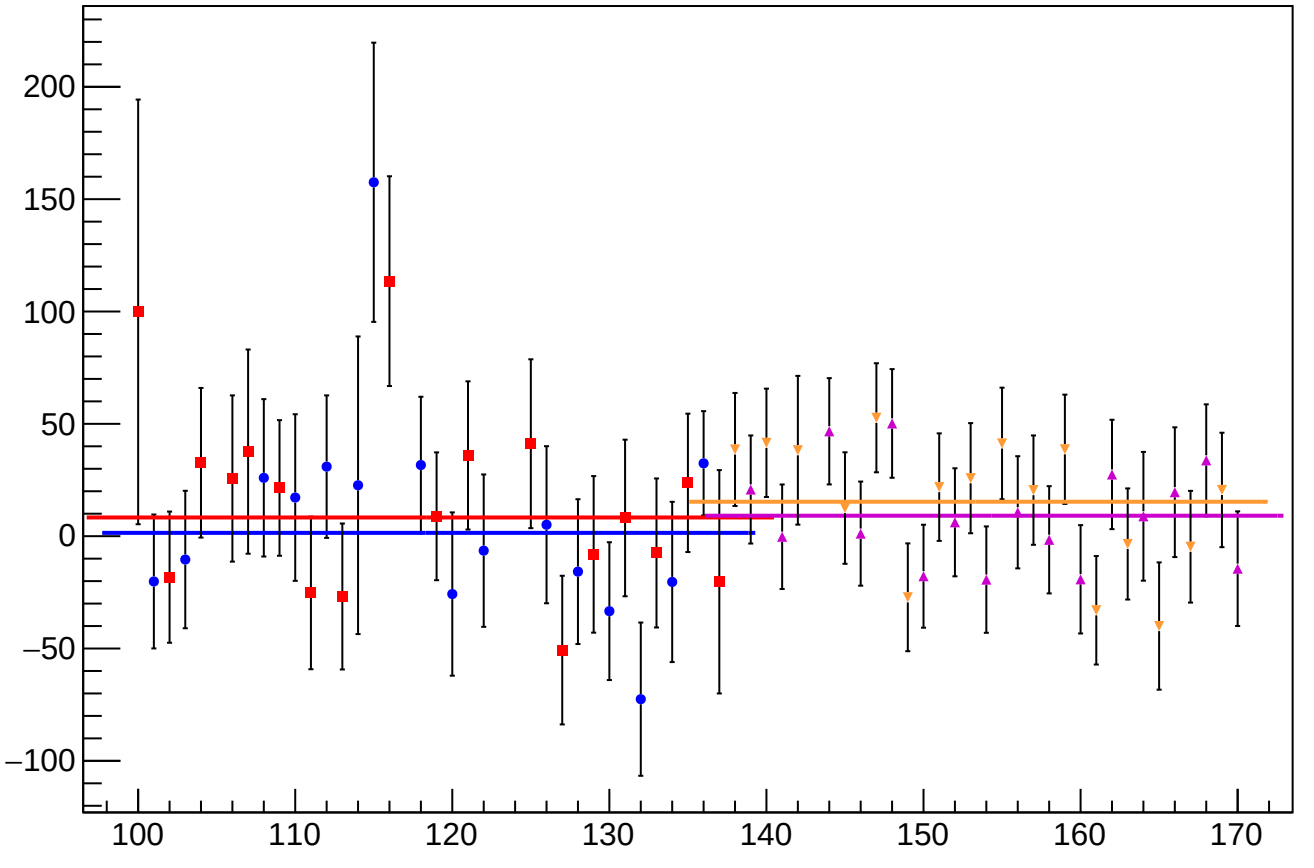
Left: 193.778+/-0.028 χ^2/NDF: 2973252.1/31

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.748+/-0.031 χ^2/NDF:2558426.9/31

Out: 196.142+/-0.033 χ^2/NDF:3029059.3/33

All: 190.021+/-0.022 χ^2/NDF: 5651844.8/65



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 15.329+/-6.270 χ^2/NDF:19.4/15

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 9.107+/-6.122 χ^2/NDF:12.9/15

Left: 12.144+/-4.380 χ^2/NDF: 32.8/31

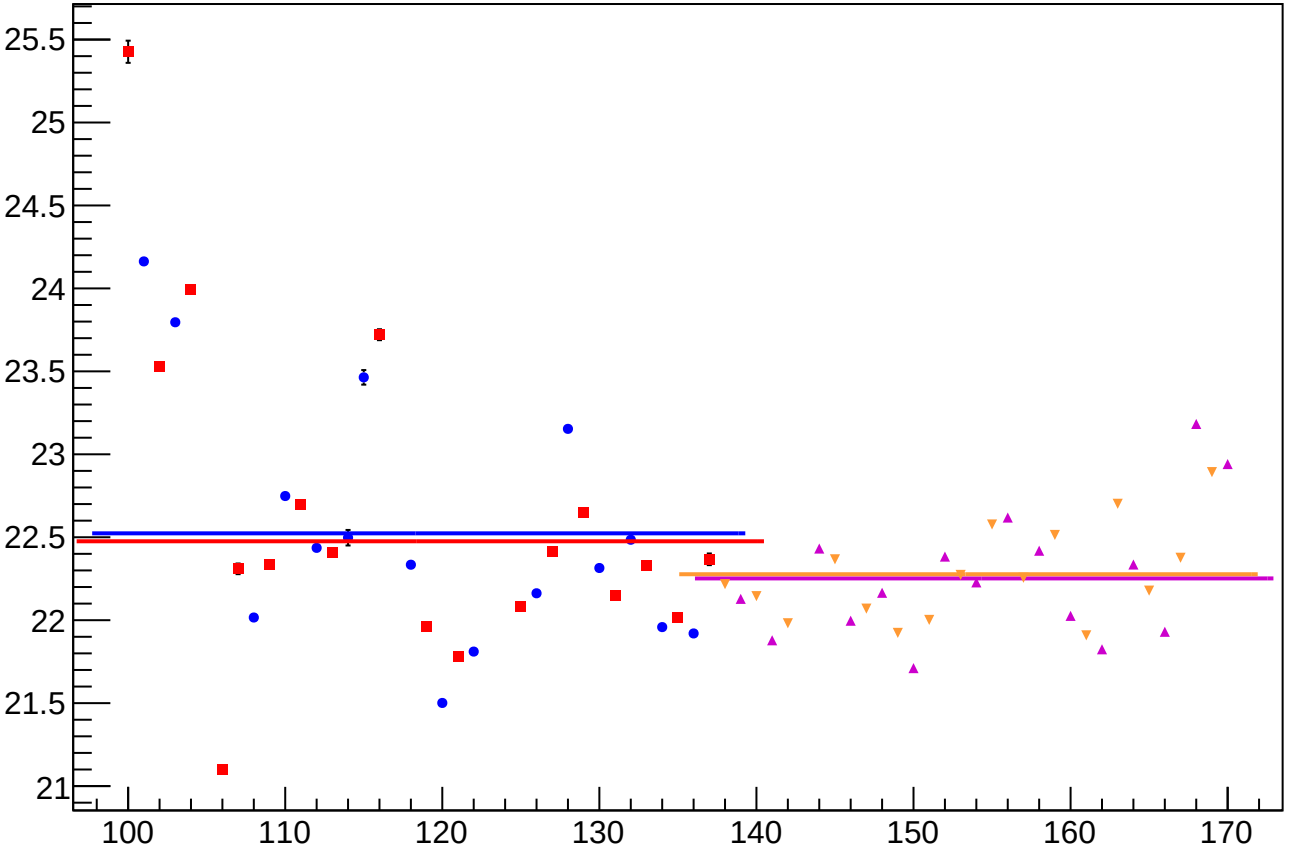
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.447+/-4.941 χ^2/NDF:32.1/31

Out: 12.780+/-5.000 χ^2/NDF:35.9/33

All: 9.577+/-3.514 χ^2/NDF: 68.8/65

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: 22.277+/-0.004 χ^2/NDF:3864.6/15

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.252+/-0.004 χ^2/NDF:7962.5/15

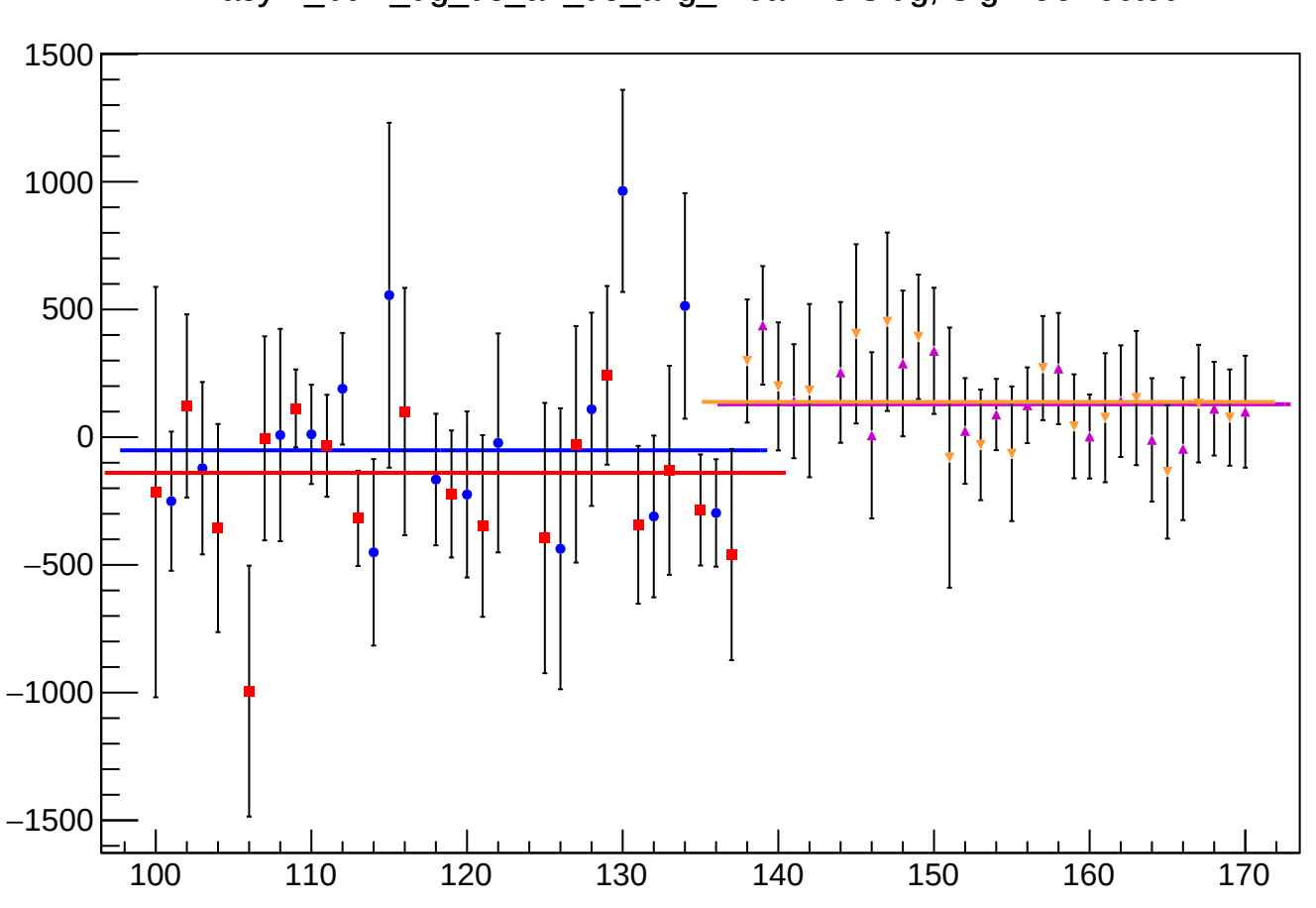
Left: 22.264+/-0.003 χ^2/NDF: 11843.8/31

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.347+/-0.003 χ^2/NDF:25283.9/31

Out: 22.349+/-0.004 χ^2/NDF:20131.8/33

All: 22.348+/-0.002 χ^2/NDF: 45416.1/65



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 138.238+/-62.674 χ^2/NDF:6.3/15

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 128.805+/-52.012 χ^2/NDF:5.2/15

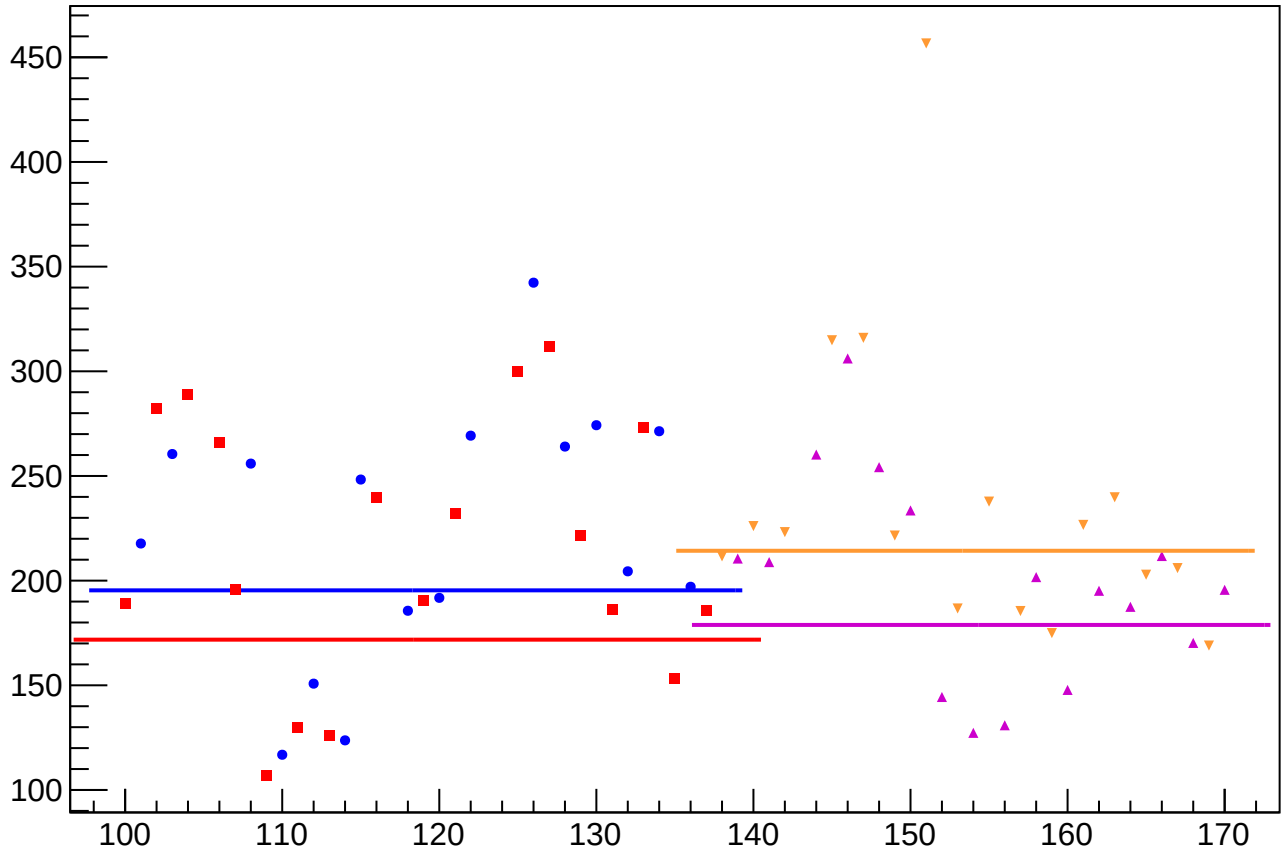
Left: 132.652+/-40.024 χ^2/NDF: 11.5/31

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 72.111+/-43.065 χ^2/NDF:24.4/31

Out: 12.438+/-46.359 χ^2/NDF:26.7/33

All: 44.470+/-31.552 χ^2/NDF: 52.0/65



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 214.269+/-0.044 χ^2/NDF:1103480.4/15

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 178.837+/-0.037 χ^2/NDF:1479795.2/15

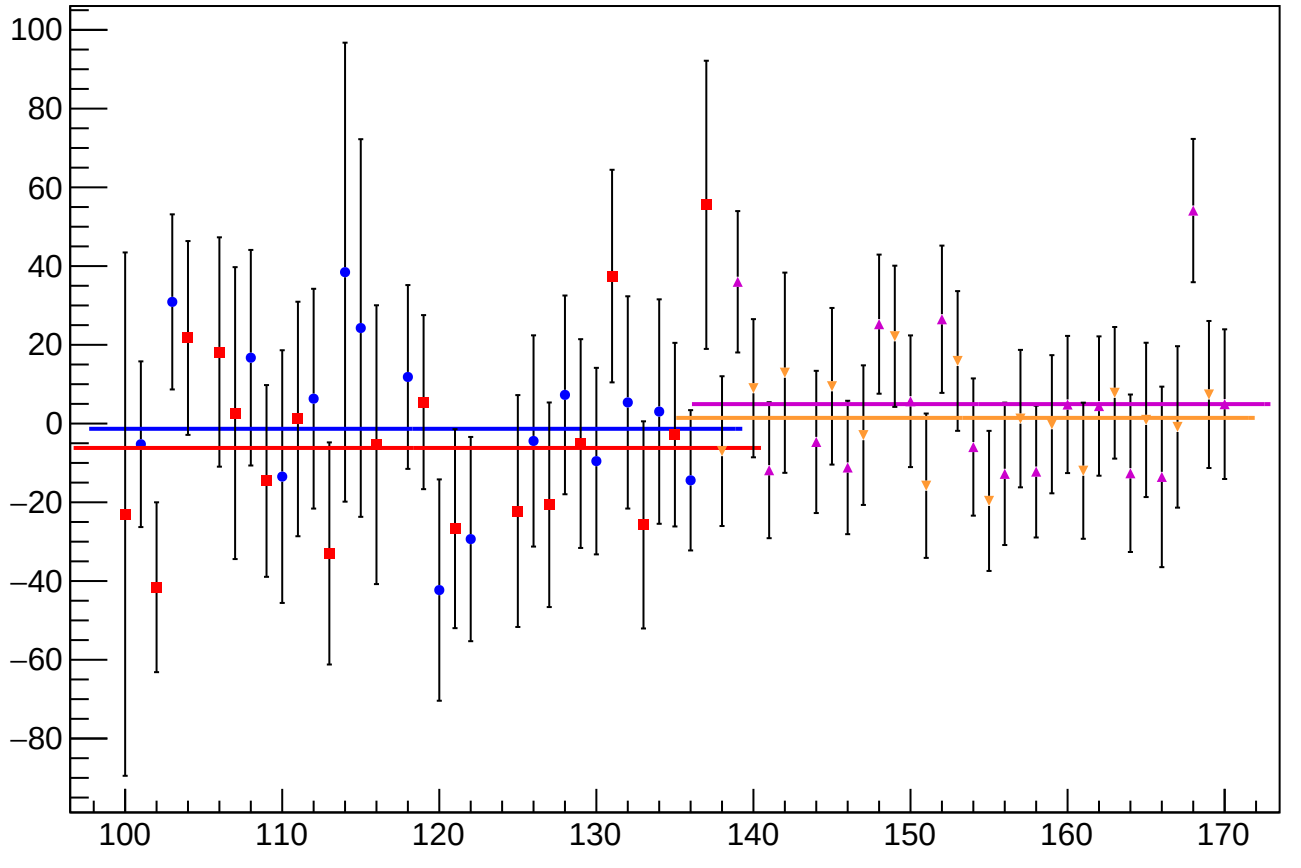
Left: 193.287+/-0.028 χ^2/NDF: 2961790.3/31

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.033+/-0.030 χ^2/NDF:2584700.0/31

Out: 195.038+/-0.033 χ^2/NDF:3119927.2/33

All: 189.131+/-0.022 χ^2/NDF: 5765127.8/65



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.441+/-4.613 χ^2/NDF:6.0/15

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.942+/-4.507 χ^2/NDF:18.9/15

Left: 3.232+/-3.224 χ^2/NDF: 25.2/31

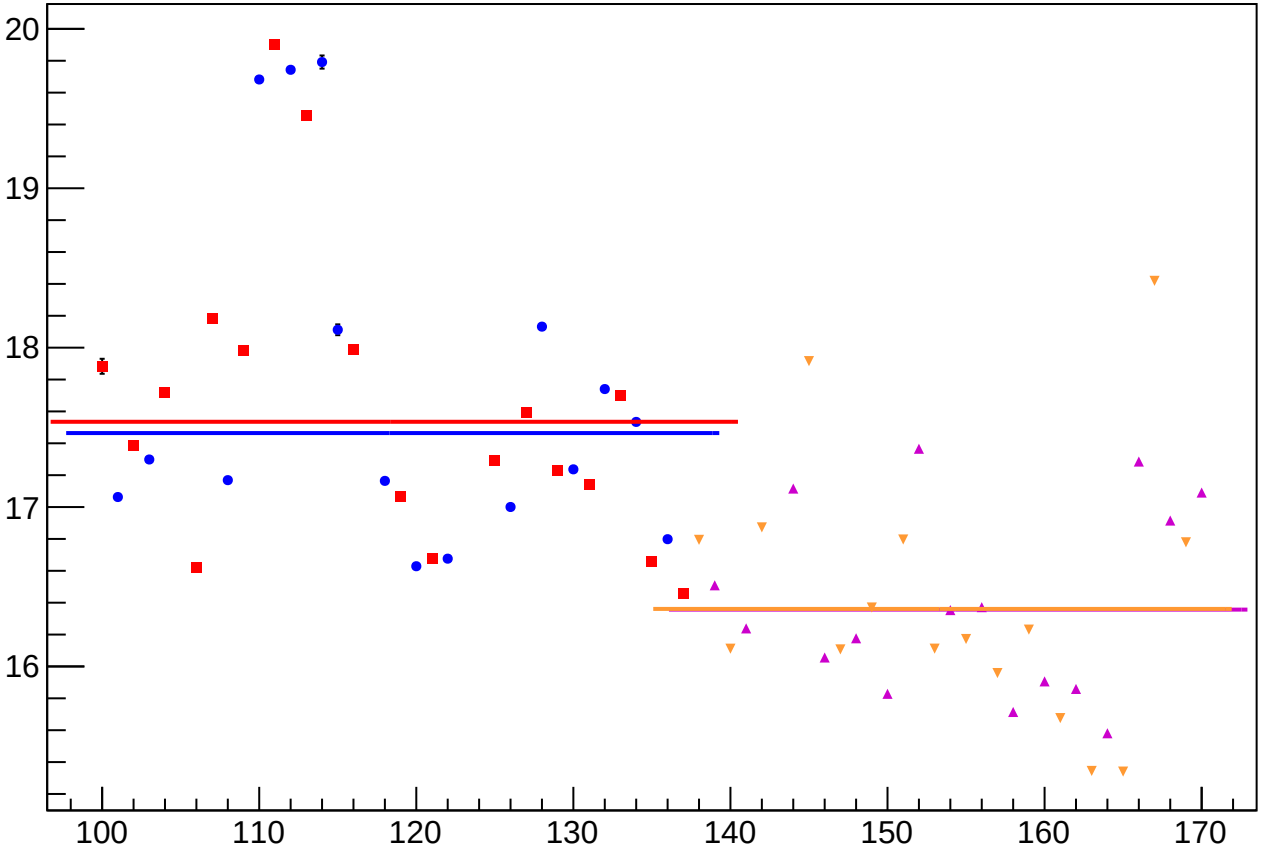
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.905+/-3.703 χ^2/NDF:27.5/31

Out: -1.131+/-3.757 χ^2/NDF:20.3/33

All: 0.915+/-2.637 χ^2/NDF: 48.5/65

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.361+/-0.003 χ^2/NDF:54904.9/15

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.357+/-0.003 χ^2/NDF:29451.3/15

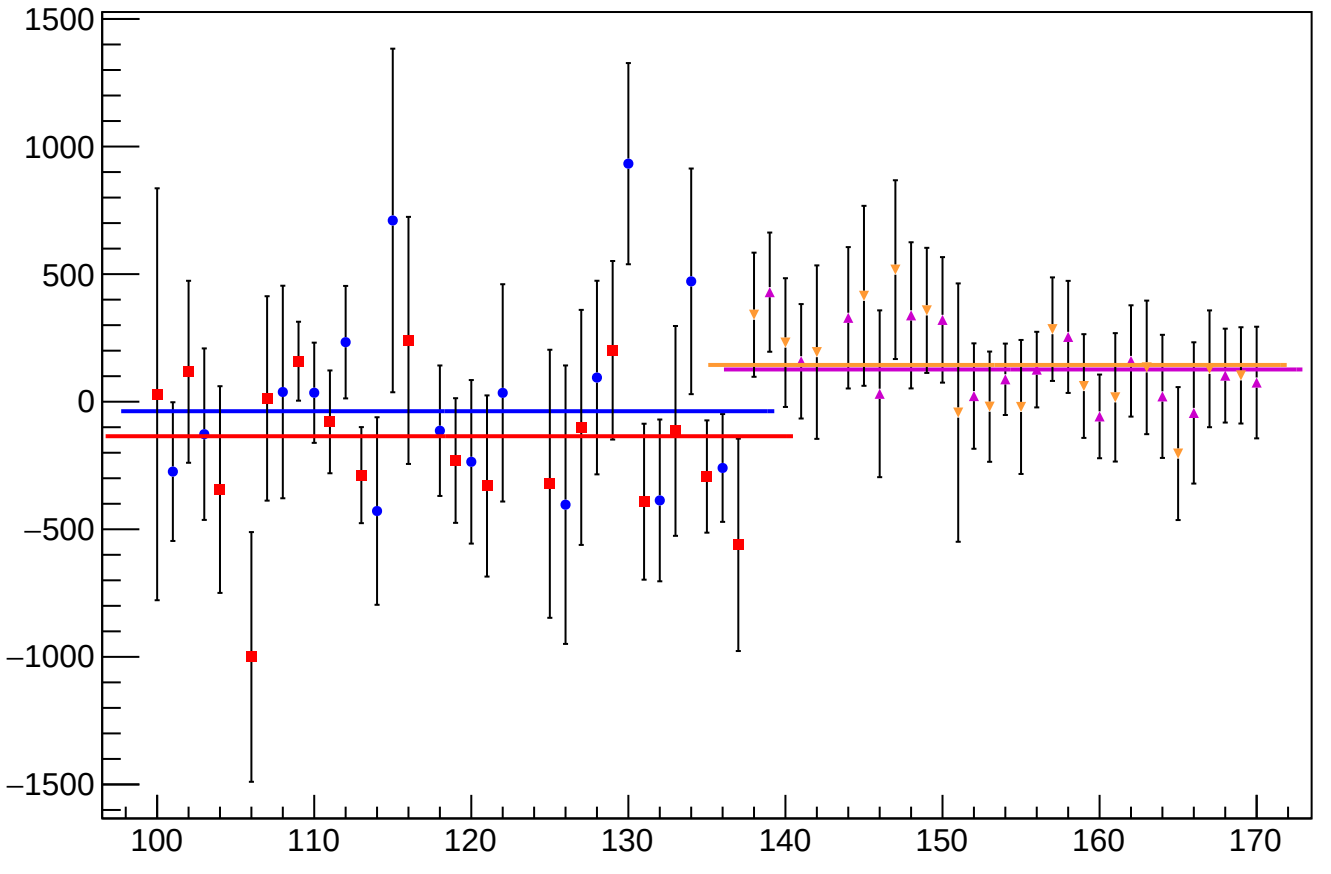
Left: 16.359+/-0.002 χ^2/NDF: 84357.2/31

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.716+/-0.003 χ^2/NDF:105329.9/31

Out: 16.756+/-0.003 χ^2/NDF:133017.0/33

All: 16.736+/-0.002 χ^2/NDF: 238462.8/65



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 144.080+/-62.657 χ^2/NDF:7.1/15

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 126.331+/-52.059 χ^2/NDF:6.1/15

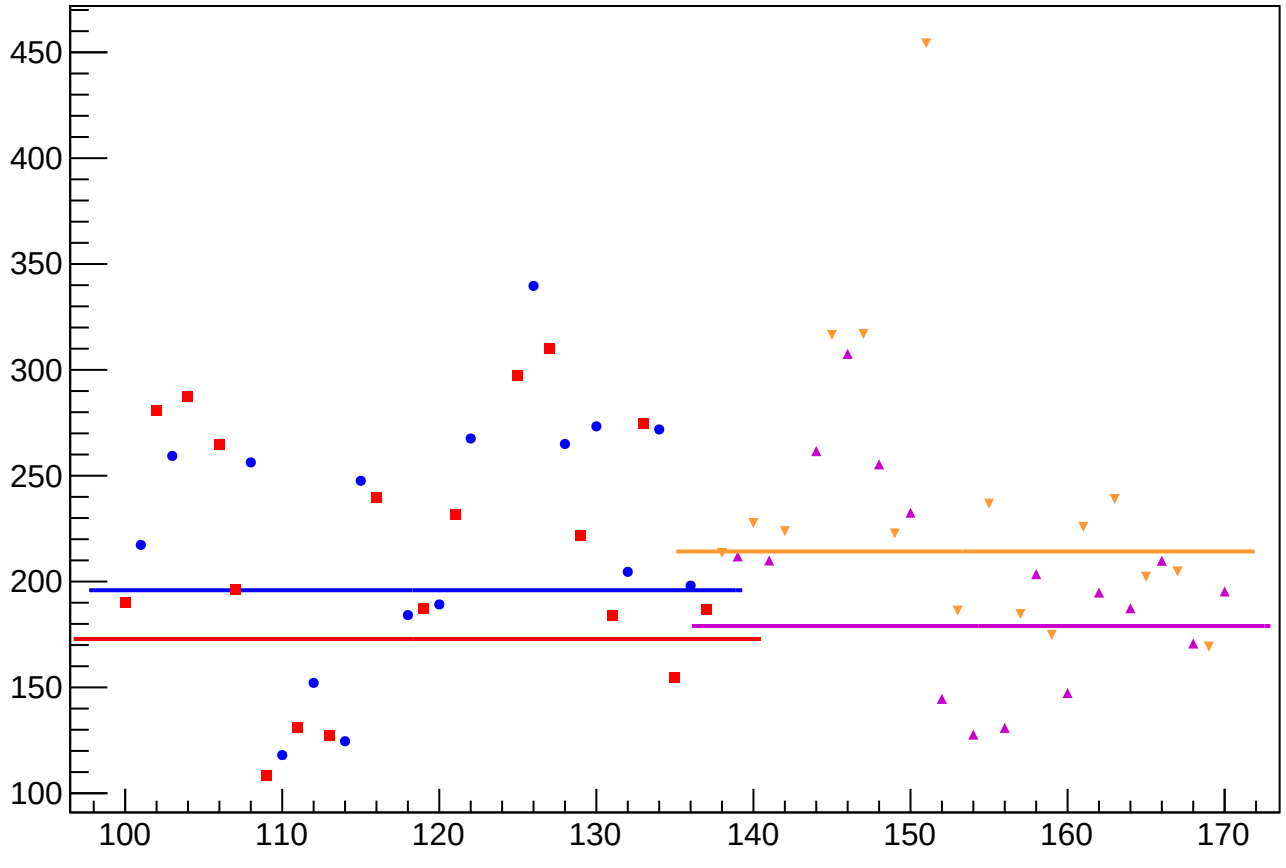
Left: 133.580+/-40.042 χ^2/NDF: 13.2/31

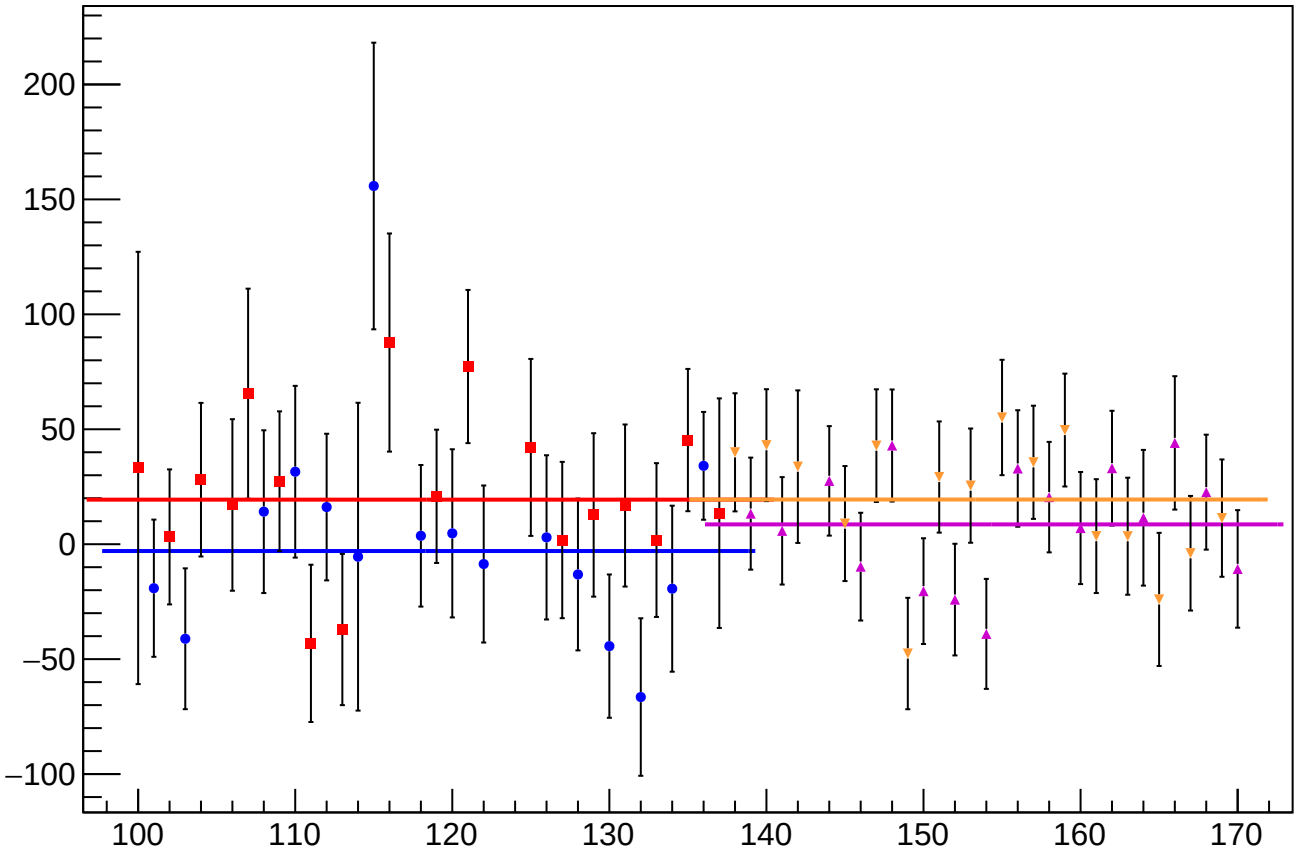
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 74.940+/-43.112 χ^2/NDF:24.8/31

Out: 18.143+/-46.434 χ^2/NDF:28.9/33

All: 48.645+/-31.594 χ^2/NDF: 54.5/65


asym_bcm_dg_us_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: 195.900+/-0.054 χ²/NDF: 1011012.3/15
Left Out: 214.217+/-0.044 χ²/NDF:1108709.2/15
Right Out: 172.873+/-0.049 χ²/NDF: 1543258.3/17
Left In: 179.008+/-0.037 χ²/NDF:1489488.7/15
Left: 193.387+/-0.028 χ²/NDF: 2971815.2/31
Right: 183.167+/-0.036 χ²/NDF: 2653391.3/33
In: 184.315+/-0.030 χ²/NDF:2566658.8/31
Out: 195.579+/-0.033 χ²/NDF:3044518.5/33
All: 189.529+/-0.022 χ²/NDF: 5674381.2/65



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 19.436+/-6.348 χ^2/NDF:18.7/15

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.621+/-6.183 χ^2/NDF:15.2/15

Left: 13.886+/-4.429 χ^2/NDF: 35.4/31

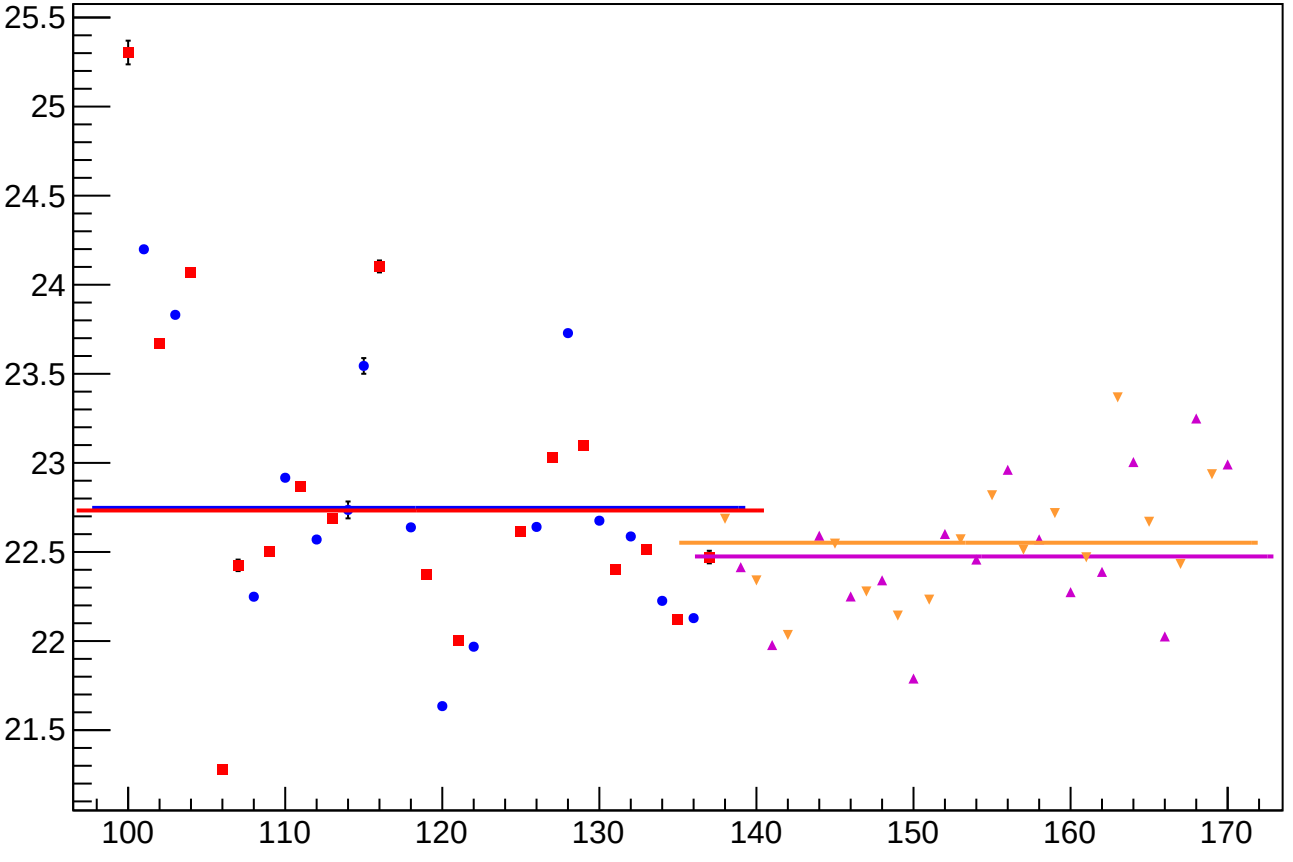
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.582+/-4.991 χ^2/NDF:34.3/31

Out: 19.418+/-5.061 χ^2/NDF:33.3/33

All: 11.897+/-3.553 χ^2/NDF: 71.9/65

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: 22.552+/-0.004 χ^2/NDF:4792.4/15

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.475+/-0.004 χ^2/NDF:7825.2/15

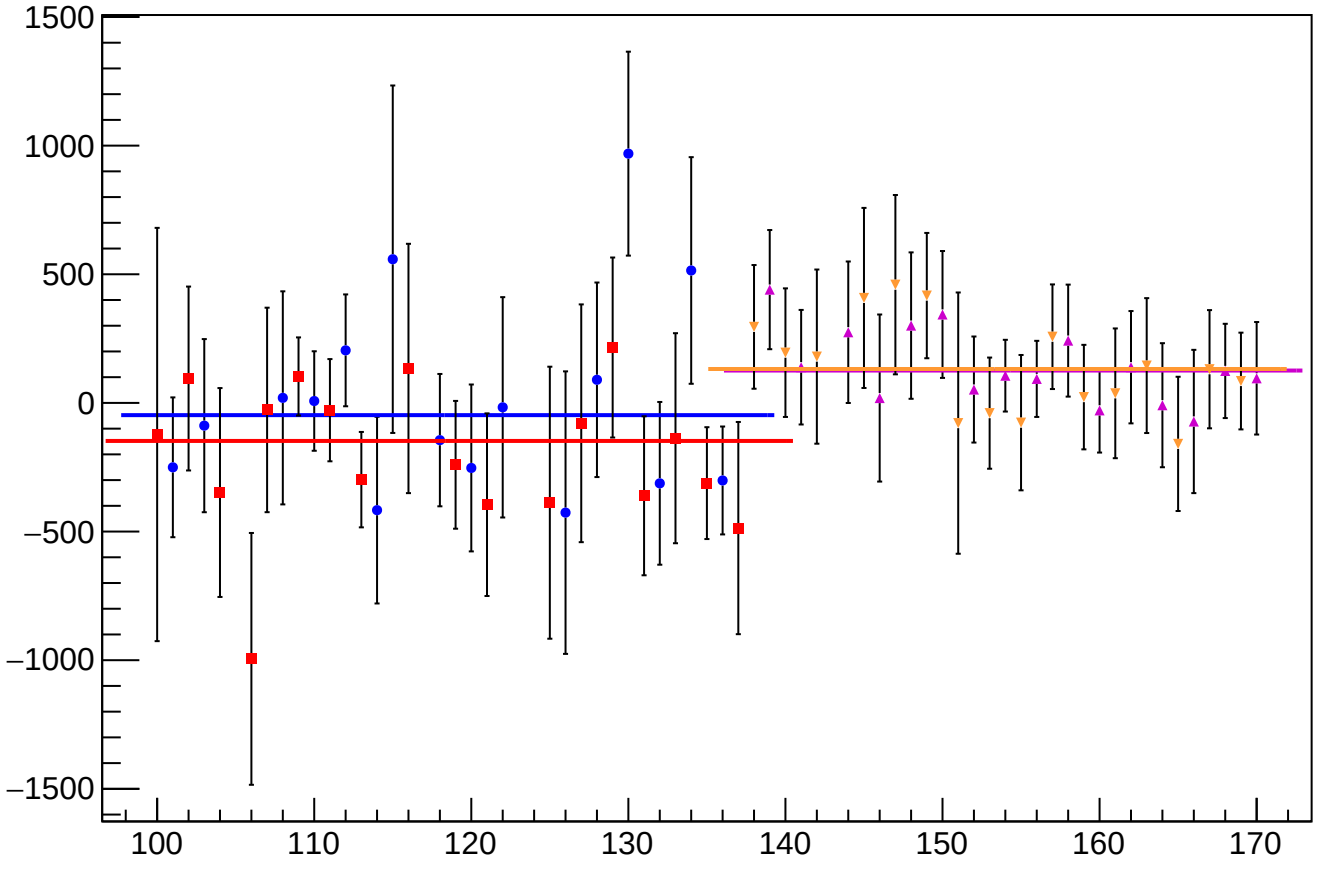
Left: 22.512+/-0.003 χ^2/NDF: 12768.8/31

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.570+/-0.004 χ^2/NDF:23802.9/31

Out: 22.618+/-0.004 χ^2/NDF:19775.1/33

All: 22.594+/-0.003 χ^2/NDF: 43669.2/65



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 131.829+/-62.537 χ^2/NDF:7.0/15

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 125.821+/-51.911 χ^2/NDF:5.6/15

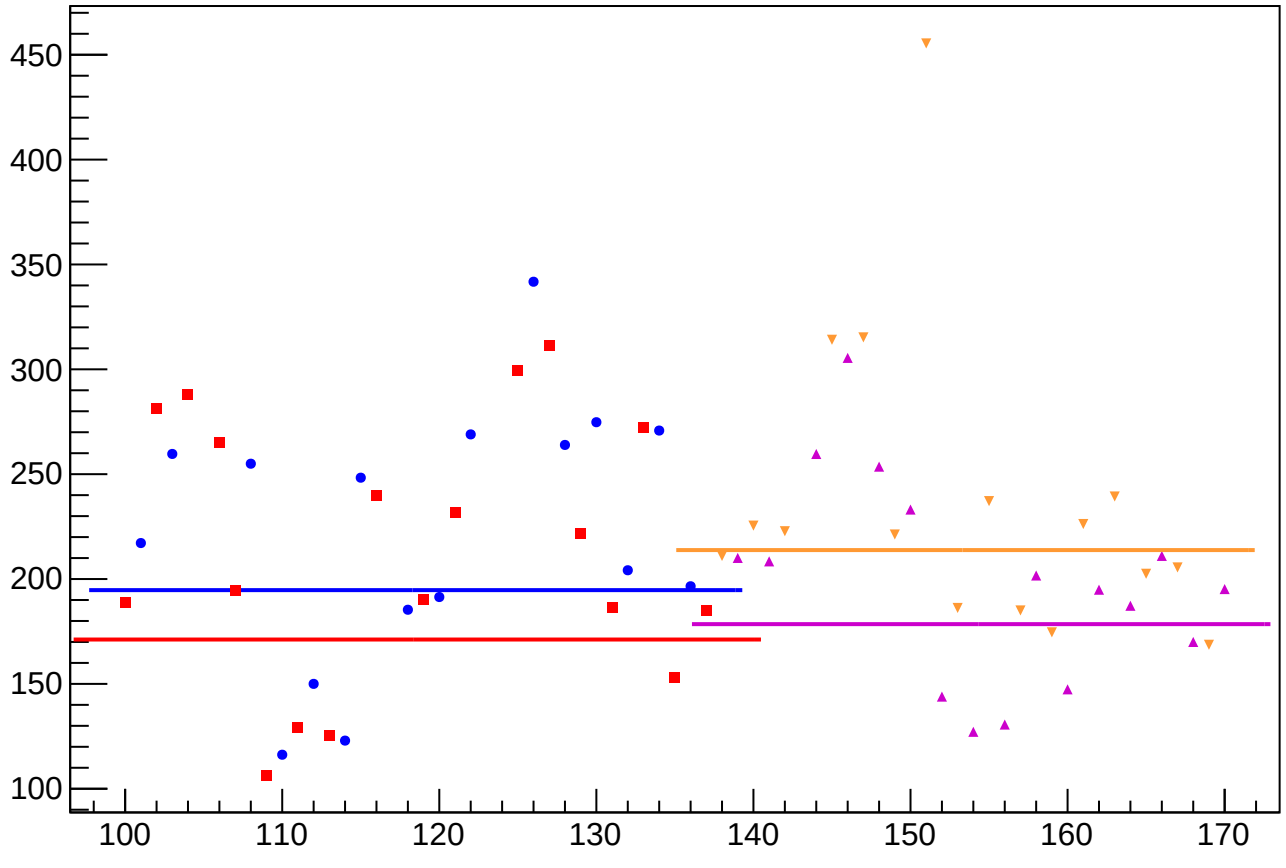
Left: 128.272+/-39.943 χ^2/NDF: 12.6/31

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 71.238+/-42.967 χ^2/NDF:24.5/31

Out: 5.031+/-46.234 χ^2/NDF:27.6/33

All: 40.556+/-31.474 χ^2/NDF: 53.2/65



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 213.805+/-0.044 χ^2/NDF:1103010.3/15

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 178.492+/-0.037 χ^2/NDF:1479632.9/15

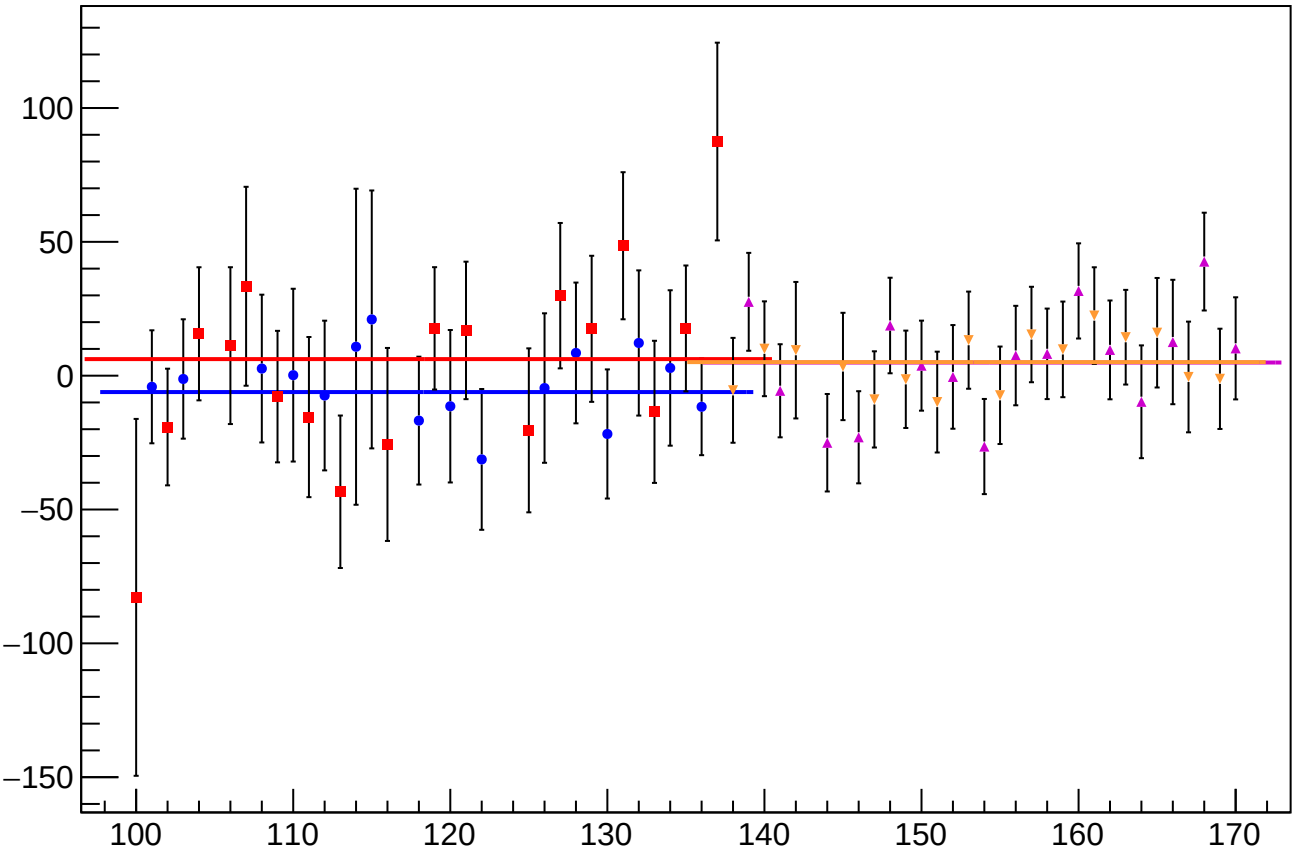
Left: 192.897+/-0.028 χ^2/NDF: 2960201.8/31

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.598+/-0.030 χ^2/NDF:2593377.2/31

Out: 194.466+/-0.033 χ^2/NDF:3136714.3/33

All: 188.635+/-0.022 χ^2/NDF: 5789395.0/65



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.068+/-4.718 χ^2/NDF:4.5/15

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.915+/-4.587 χ^2/NDF:18.4/15

Left: 4.990+/-3.289 χ^2/NDF: 22.9/31

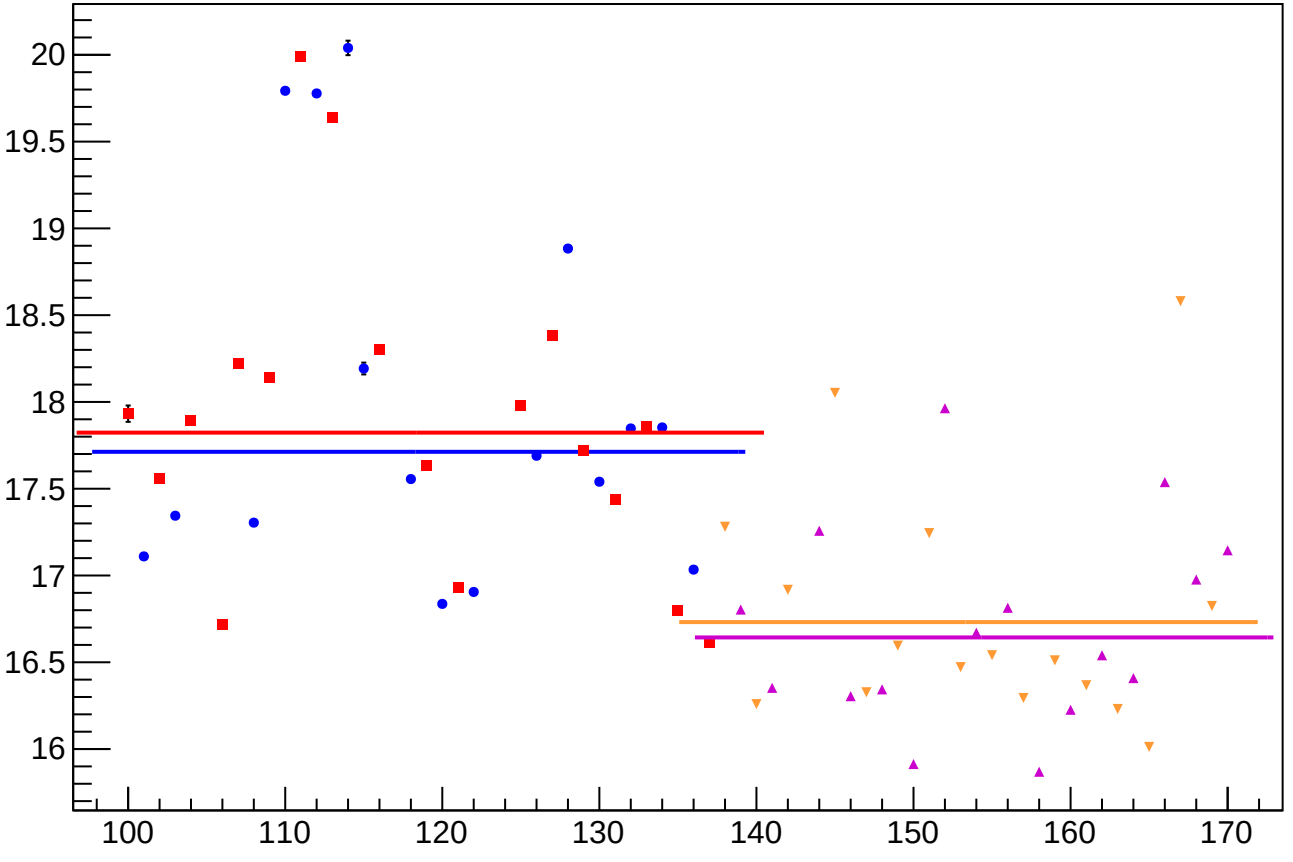
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.316+/-3.765 χ^2/NDF:23.4/31

Out: 5.451+/-3.834 χ^2/NDF:23.2/33

All: 3.346+/-2.686 χ^2/NDF: 47.1/65

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: 16.732+/-0.003 χ^2/NDF:37442.9/15

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.643+/-0.003 χ^2/NDF:28175.7/15

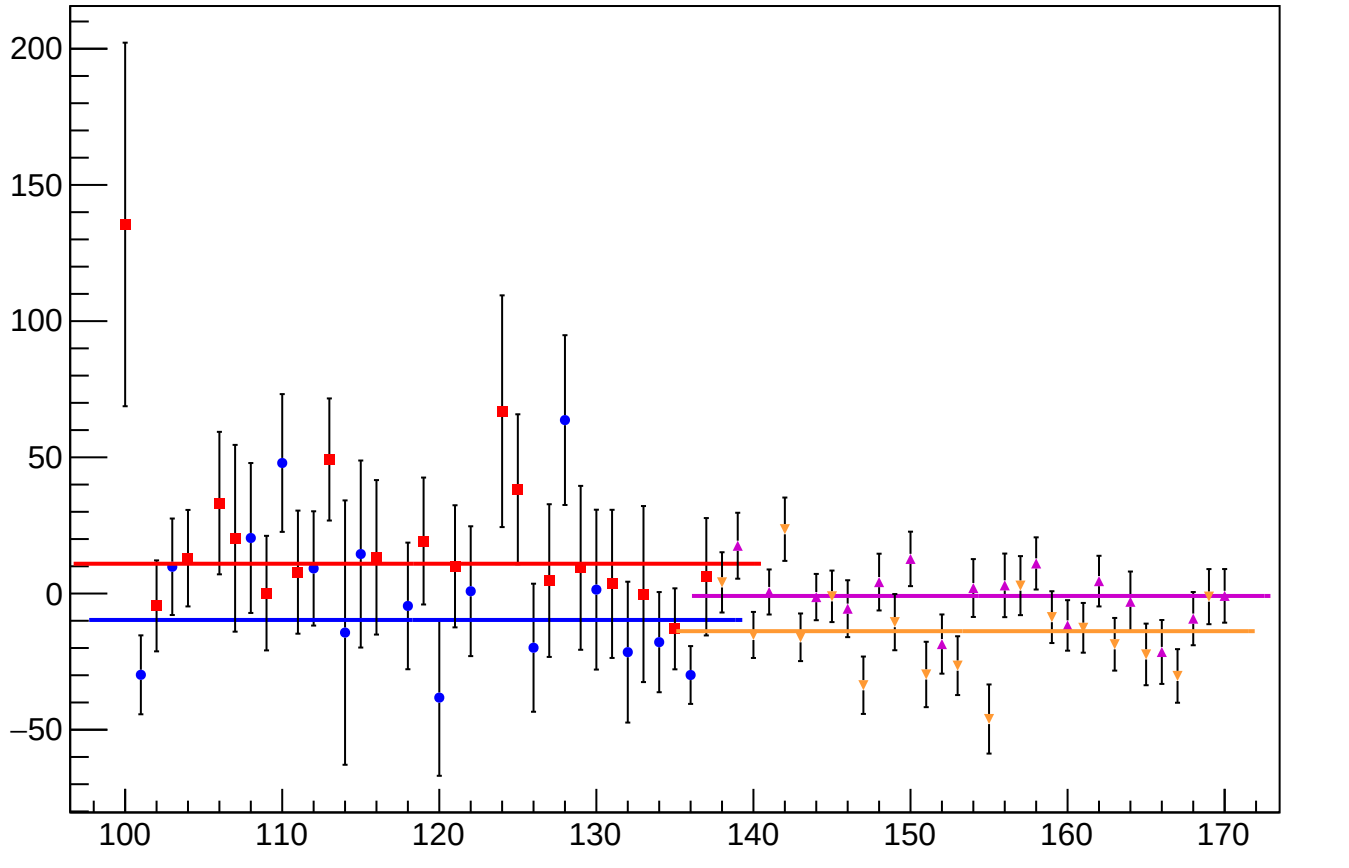
Left: 16.686+/-0.002 χ^2/NDF: 65980.0/31

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

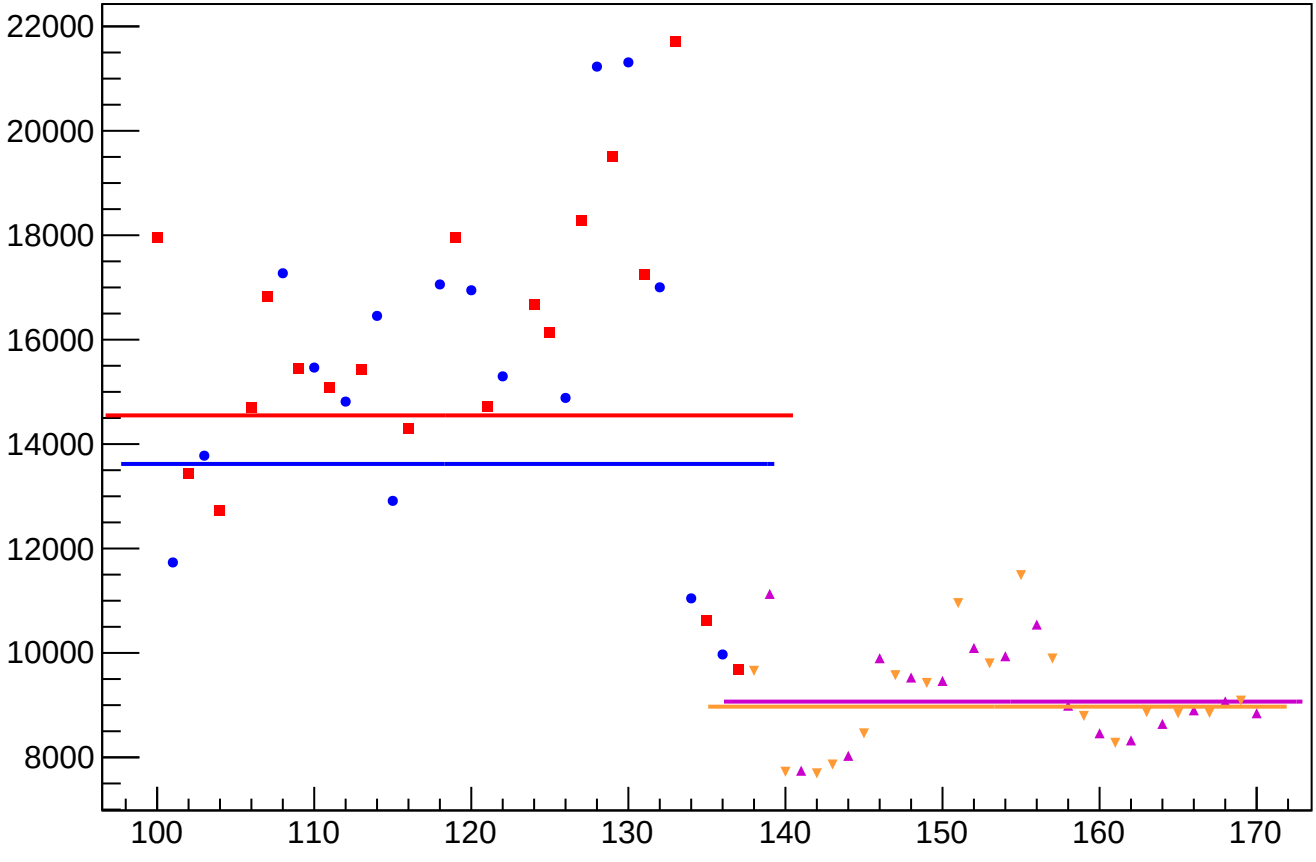
In: 16.992+/-0.003 χ^2/NDF:99631.2/31

Out: 17.102+/-0.003 χ^2/NDF:106299.8/33

All: 17.046+/-0.002 χ^2/NDF: 206772.0/65


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -13.817+/-2.468 χ²/NDF:36.0/16
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: -0.889+/-2.511 χ²/NDF:14.6/15
Left: -7.463+/-1.760 χ²/NDF: 64.1/32
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.539+/-2.264 χ²/NDF:38.9/31
Out: -9.586+/-2.247 χ²/NDF:67.3/35
All: -6.088+/-1.595 χ²/NDF: 111.0/67

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8970.931+/-1.745 χ^2/NDF:296706.1/16

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9067.783+/-1.775 χ^2/NDF:248005.8/15

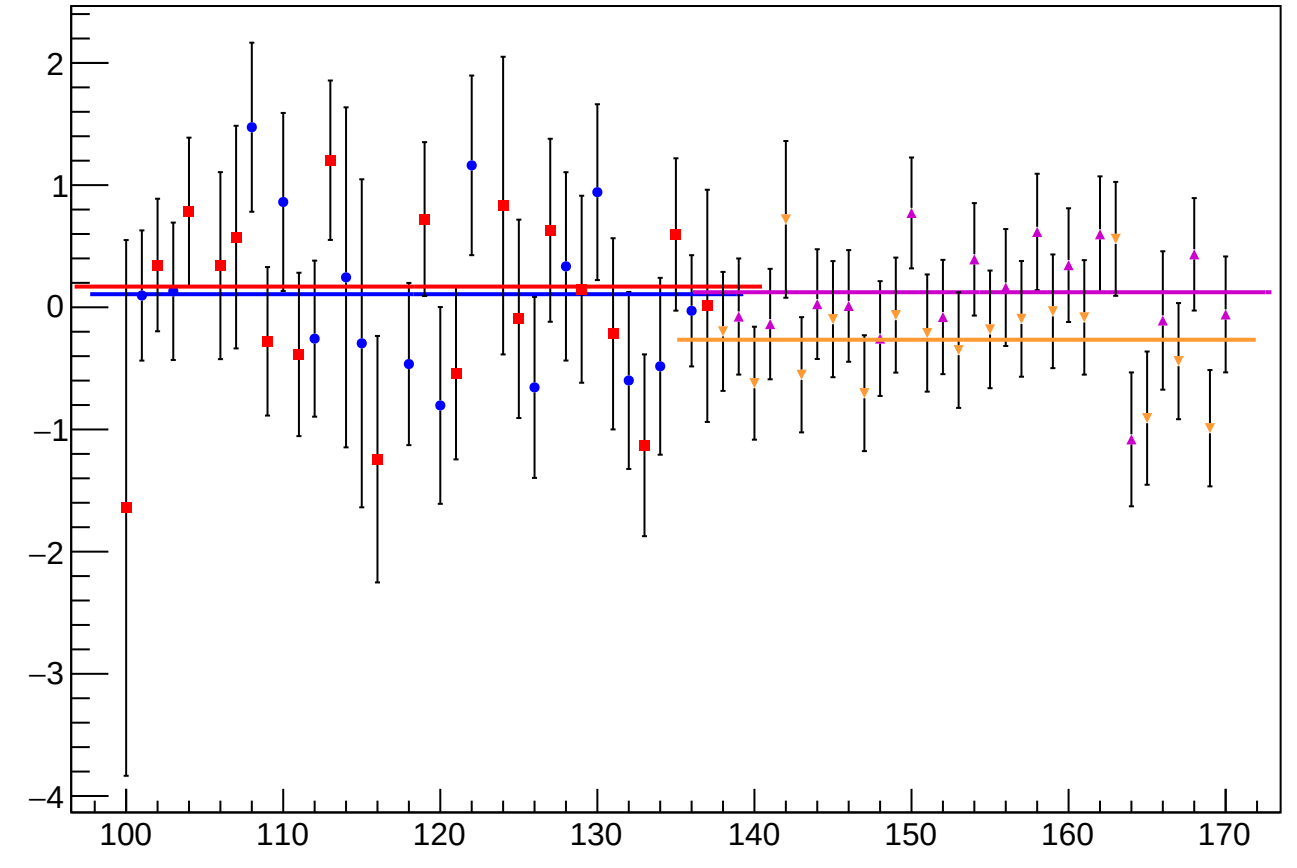
Left: 9018.529+/-1.245 χ^2/NDF: 546225.4/32

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9919.979+/-1.601 χ^2/NDF:2225795.7/31

Out: 9924.358+/-1.589 χ^2/NDF:2598892.1/35

All: 9922.184+/-1.128 χ^2/NDF: 4824691.7/67



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.265+/-0.117 χ^2/NDF:12.1/16

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.123+/-0.119 χ^2/NDF:11.7/15

Left: -0.073+/-0.083 χ^2/NDF: 29.3/32

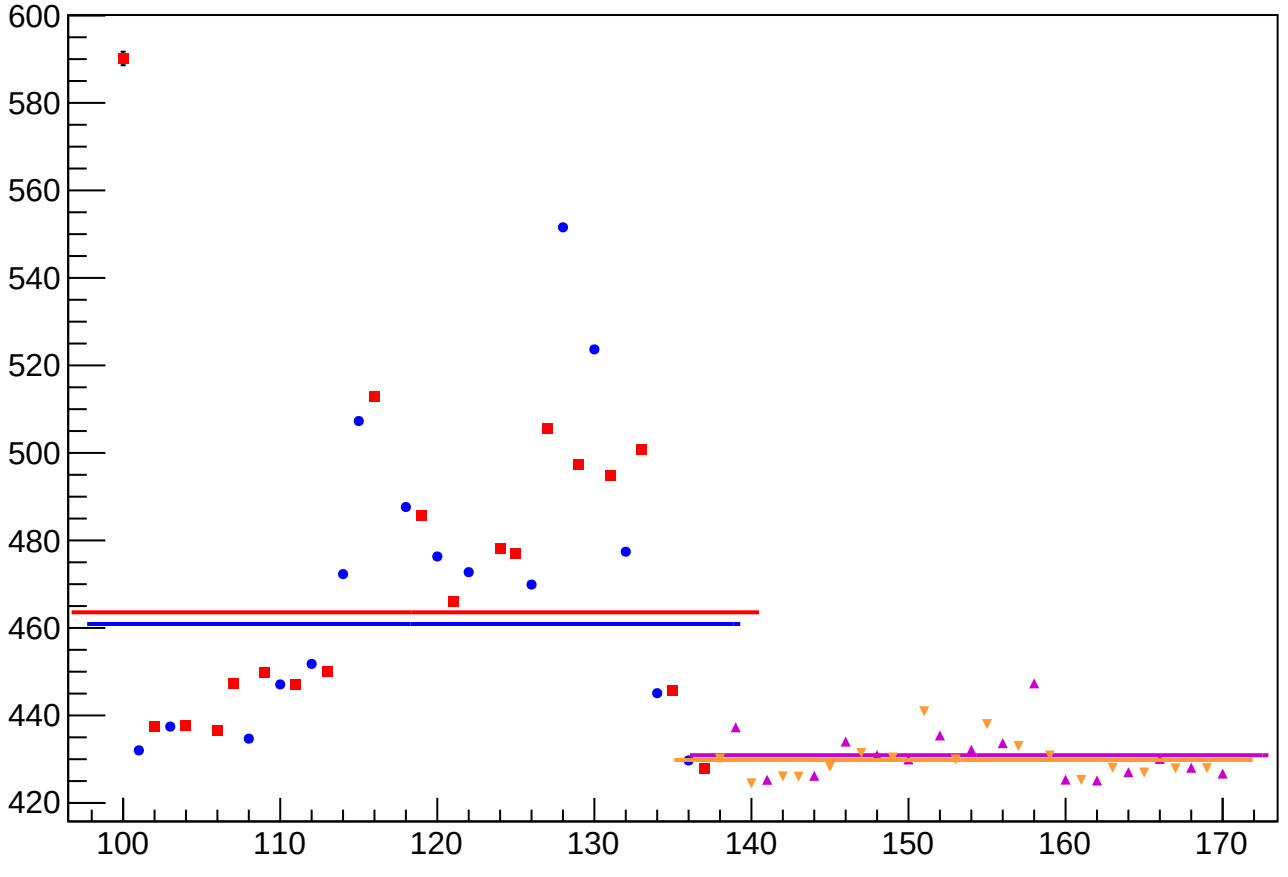
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.118+/-0.098 χ^2/NDF:25.4/31

Out: -0.125+/-0.096 χ^2/NDF:30.6/35

All: -0.005+/-0.069 χ^2/NDF: 59.2/67

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.820+/-0.083 χ^2/NDF:2607.3/16

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.914+/-0.084 χ^2/NDF:4557.8/15

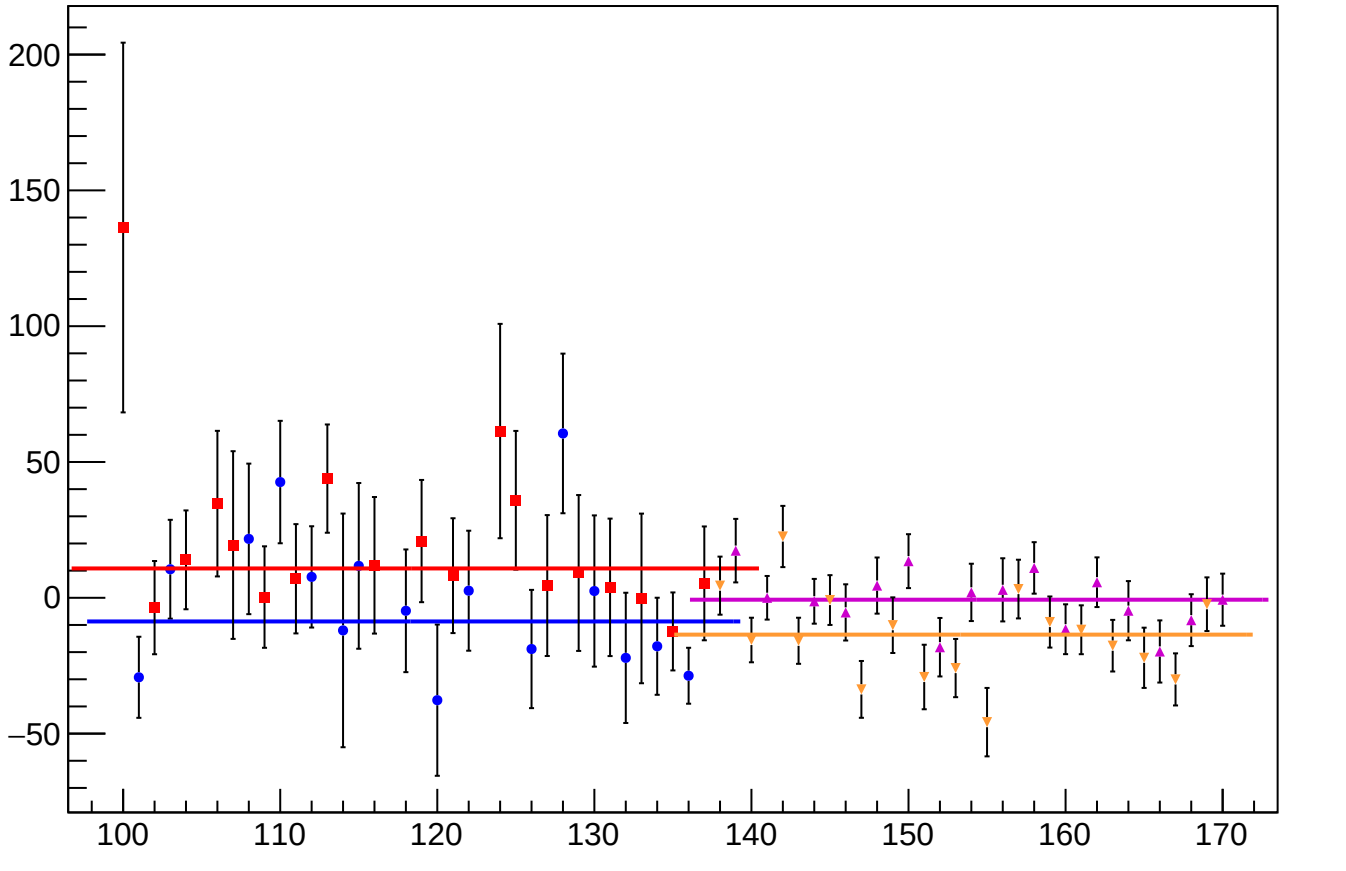
Left: 430.361+/-0.059 χ^2/NDF: 7251.3/32

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 440.592+/-0.069 χ^2/NDF:120818.1/31

Out: 440.746+/-0.068 χ^2/NDF:108460.3/35

All: 440.670+/-0.048 χ^2/NDF: 229280.9/67



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -13.558+/-2.421 χ^2/NDF:36.3/16

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -0.702+/-2.467 χ^2/NDF:14.7/15

Left: -7.252+/-1.728 χ^2/NDF: 64.8/32

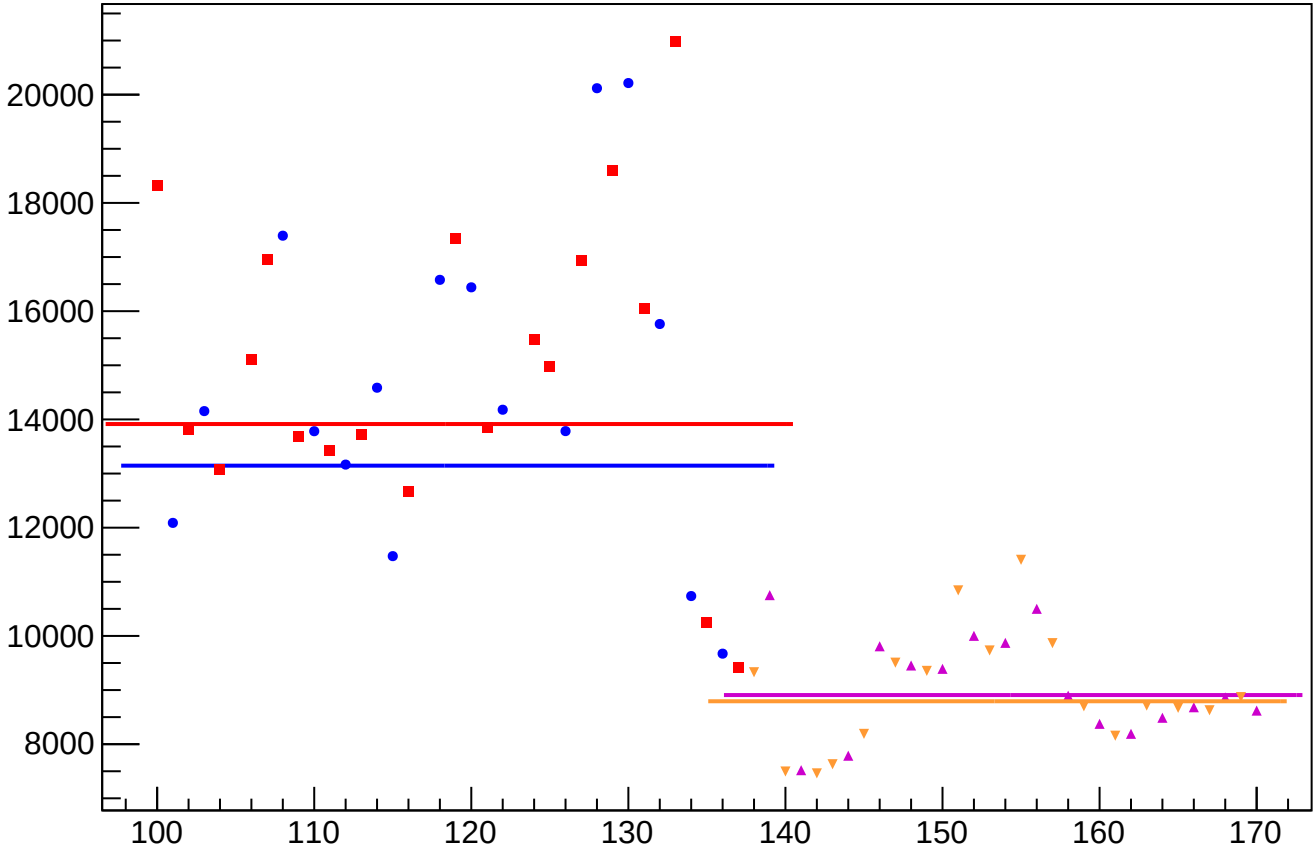
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -2.252+/-2.216 χ^2/NDF:39.0/31

Out: -9.206+/-2.194 χ^2/NDF:68.3/35

All: -5.763+/-1.559 χ^2/NDF: 112.2/67

diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8793.017+/-1.712 χ^2/NDF:336488.5/16

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8907.839+/-1.745 χ^2/NDF:271537.4/15

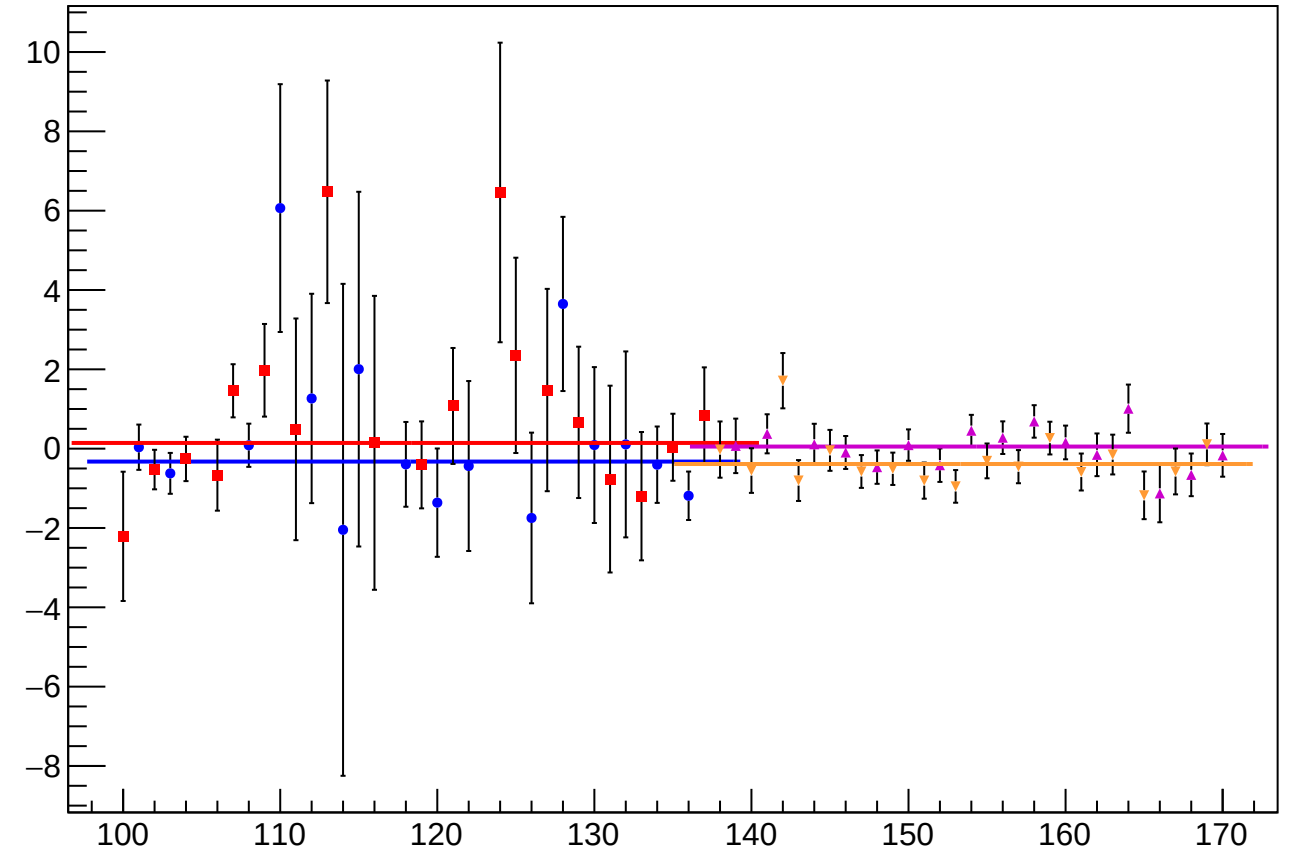
Left: 8849.340+/-1.222 χ^2/NDF: 610232.4/32

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9728.353+/-1.567 χ^2/NDF:2096439.0/31

Out: 9707.988+/-1.552 χ^2/NDF:2446326.0/35

All: 9718.071+/-1.102 χ^2/NDF: 4542850.3/67



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.387+/-0.118 χ^2/NDF:19.3/16

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.053+/-0.118 χ^2/NDF:14.3/15

Left: -0.167+/-0.083 χ^2/NDF: 40.5/32

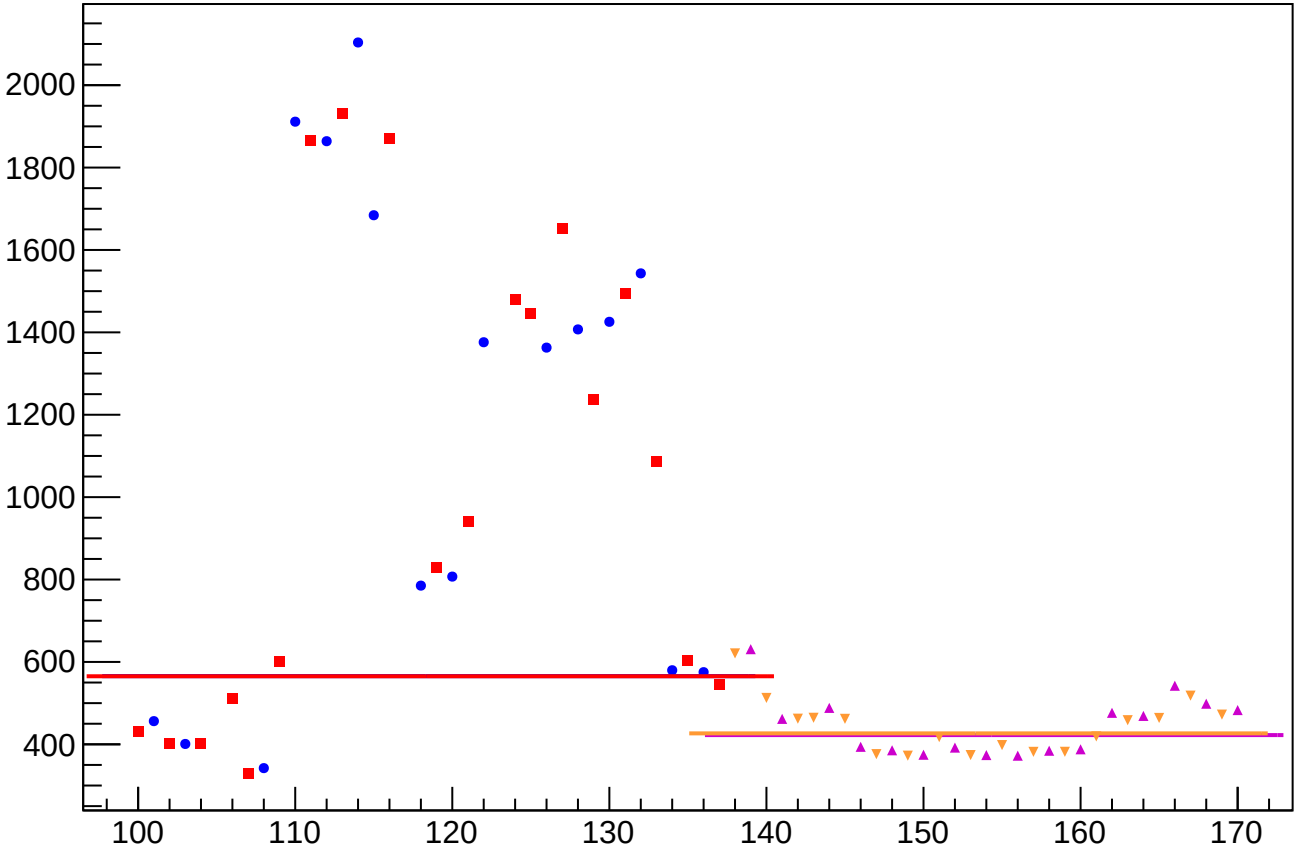
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.019+/-0.106 χ^2/NDF:28.8/31

Out: -0.287+/-0.106 χ^2/NDF:45.5/35

All: -0.153+/-0.075 χ^2/NDF: 77.5/67

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 426.599+/-0.083 χ^2/NDF:457423.3/16

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 422.426+/-0.083 χ^2/NDF:535148.0/15

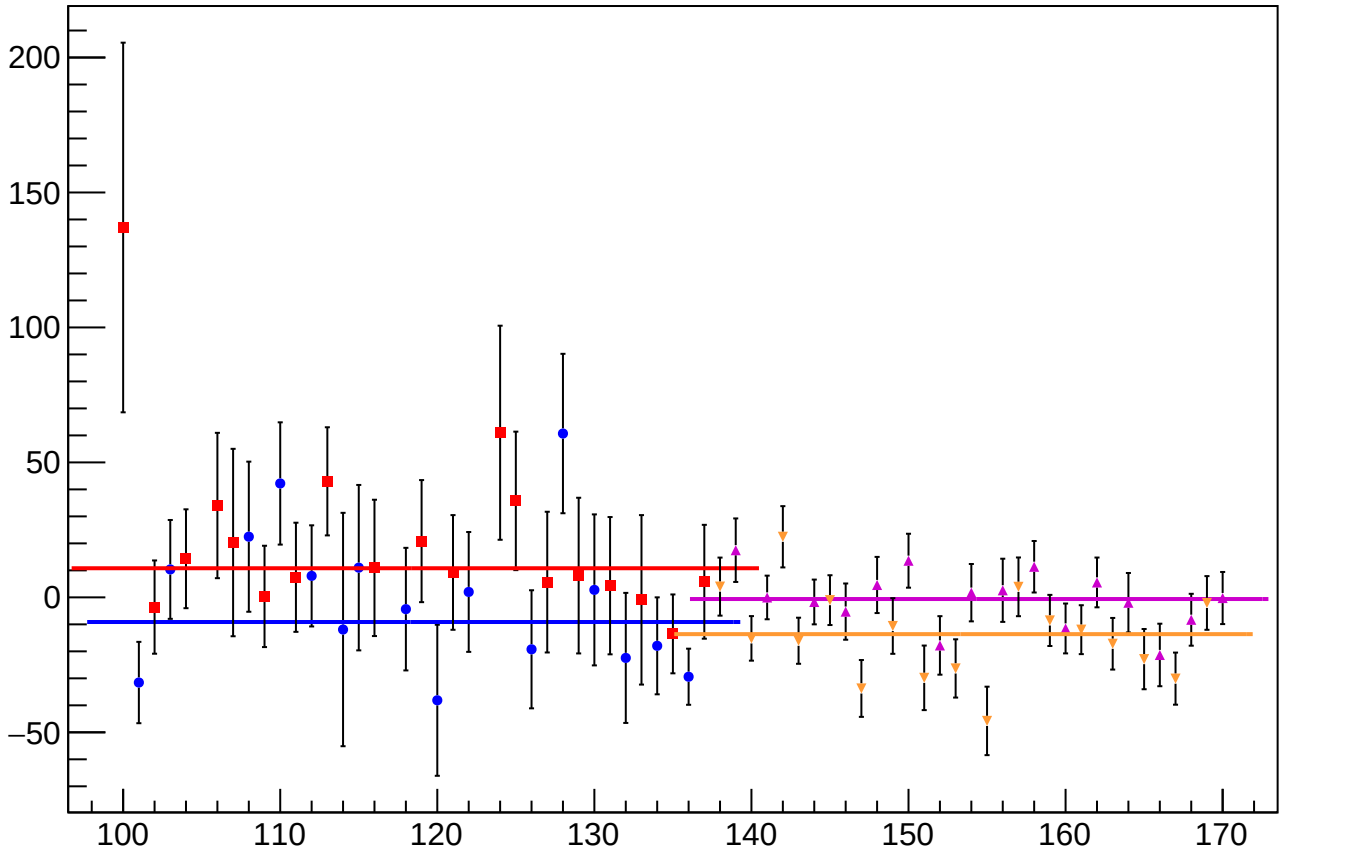
Left: 424.512+/-0.059 χ^2/NDF: 993826.6/32

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 449.443+/-0.075 χ^2/NDF:4543179.7/31

Out: 452.735+/-0.075 χ^2/NDF:4551302.8/35

All: 451.089+/-0.053 χ^2/NDF: 9095445.3/67


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
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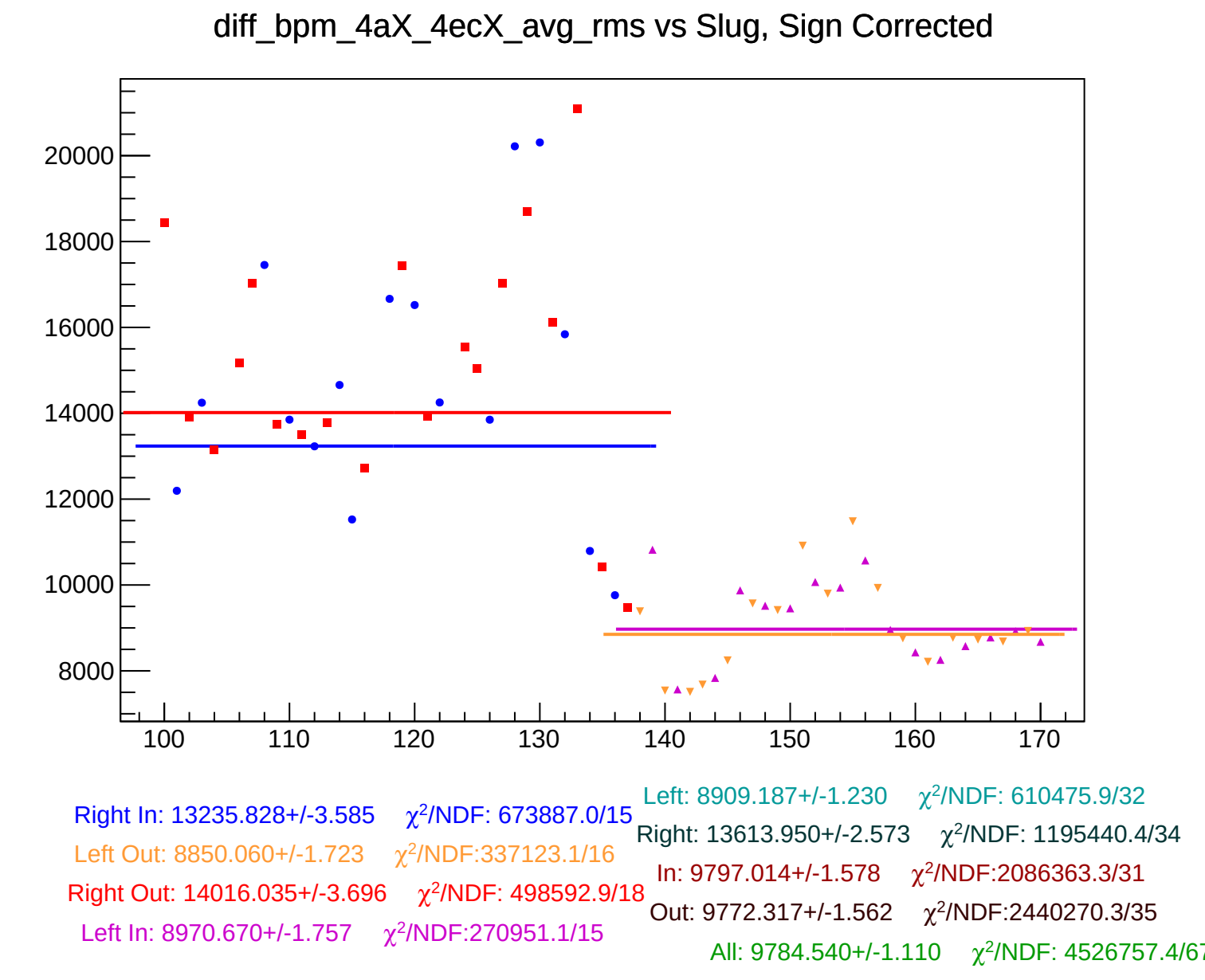
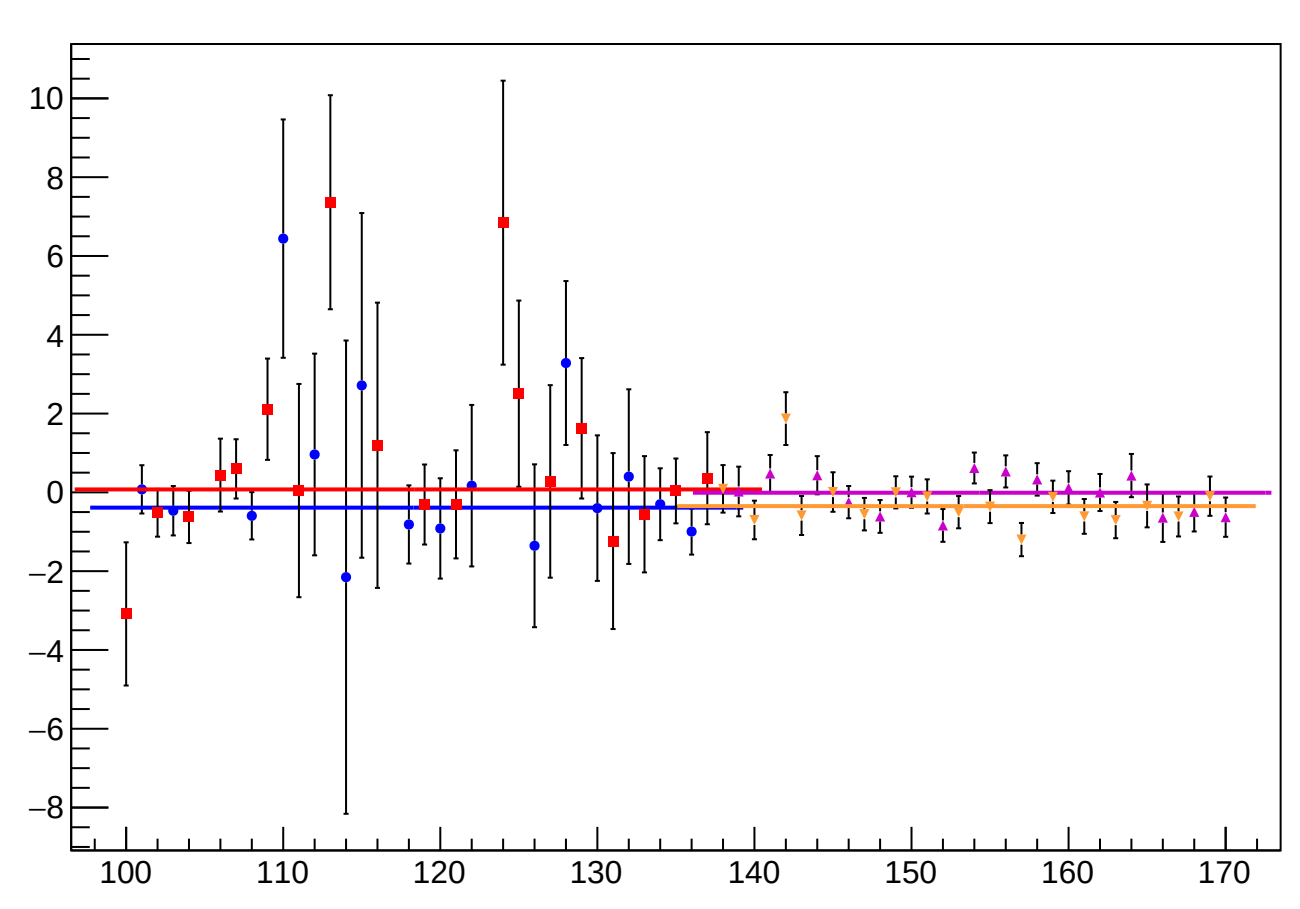
−50
100
110
120
130
140
150
160
170
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -13.624+/-2.437 χ²/NDF:36.2/16
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: -0.615+/-2.485 χ²/NDF:14.8/15
Left: -7.246+/-1.740 χ²/NDF: 64.9/32
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.265+/-2.231 χ²/NDF:39.8/31
Out: -9.266+/-2.209 χ²/NDF:67.8/35
All: -5.801+/-1.570 χ²/NDF: 112.5/67


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: 8850.060+/-1.723 χ²/NDF:337123.1/16
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8970.670+/-1.757 χ²/NDF:270951.1/15
Left: 8909.187+/-1.230 χ²/NDF: 610475.9/32
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9797.014+/-1.578 χ²/NDF:2086363.3/31
Out: 9772.317+/-1.562 χ²/NDF:2440270.3/35
All: 9784.540+/-1.110 χ²/NDF: 4526757.4/67



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.113 χ^2/NDF:20.1/16

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.009+/-0.113 χ^2/NDF:17.6/15

Left: -0.180+/-0.080 χ^2/NDF: 42.2/32

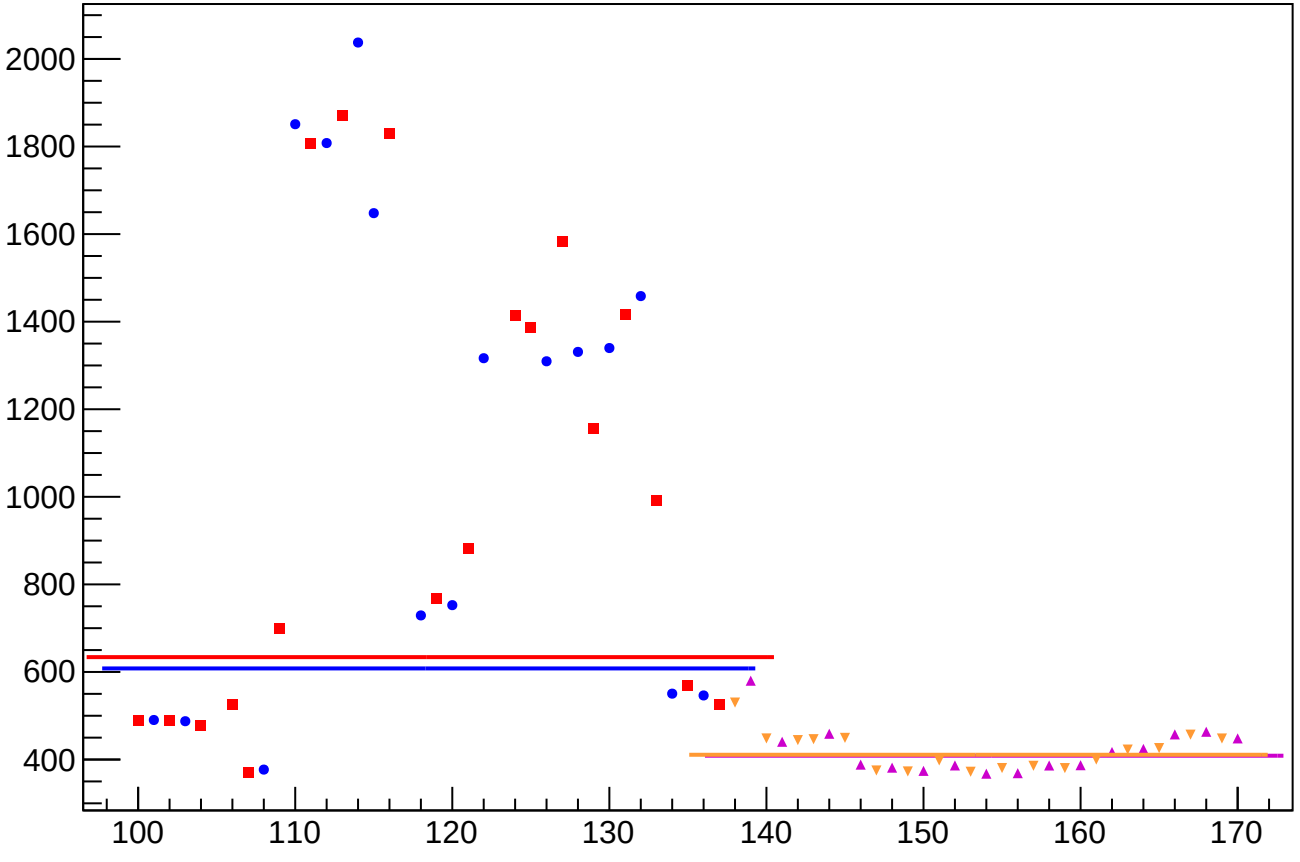
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.072+/-0.104 χ^2/NDF:31.1/31

Out: -0.284+/-0.104 χ^2/NDF:43.9/35

All: -0.178+/-0.073 χ^2/NDF: 77.1/67

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 410.899+/-0.080 χ^2/NDF:229348.1/16

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 408.710+/-0.080 χ^2/NDF:316493.2/15

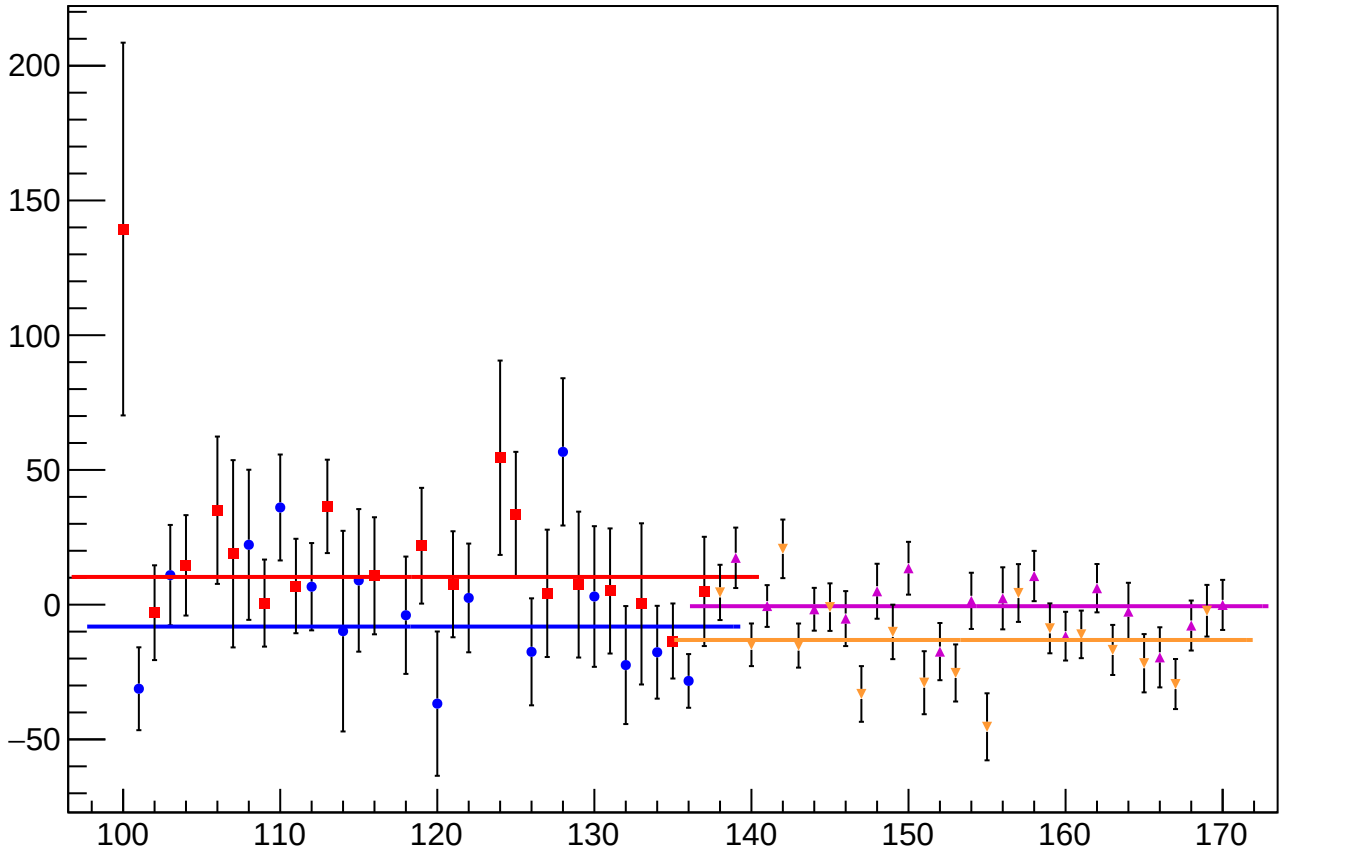
Left: 409.811+/-0.057 χ^2/NDF: 546216.4/32

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 441.460+/-0.073 χ^2/NDF:4185154.4/31

Out: 445.149+/-0.073 χ^2/NDF:4220711.3/35

All: 443.304+/-0.052 χ^2/NDF: 8407132.5/67



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -13.106+/-2.361 χ^2/NDF:36.5/16

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: -0.569+/-2.412 χ^2/NDF:14.8/15

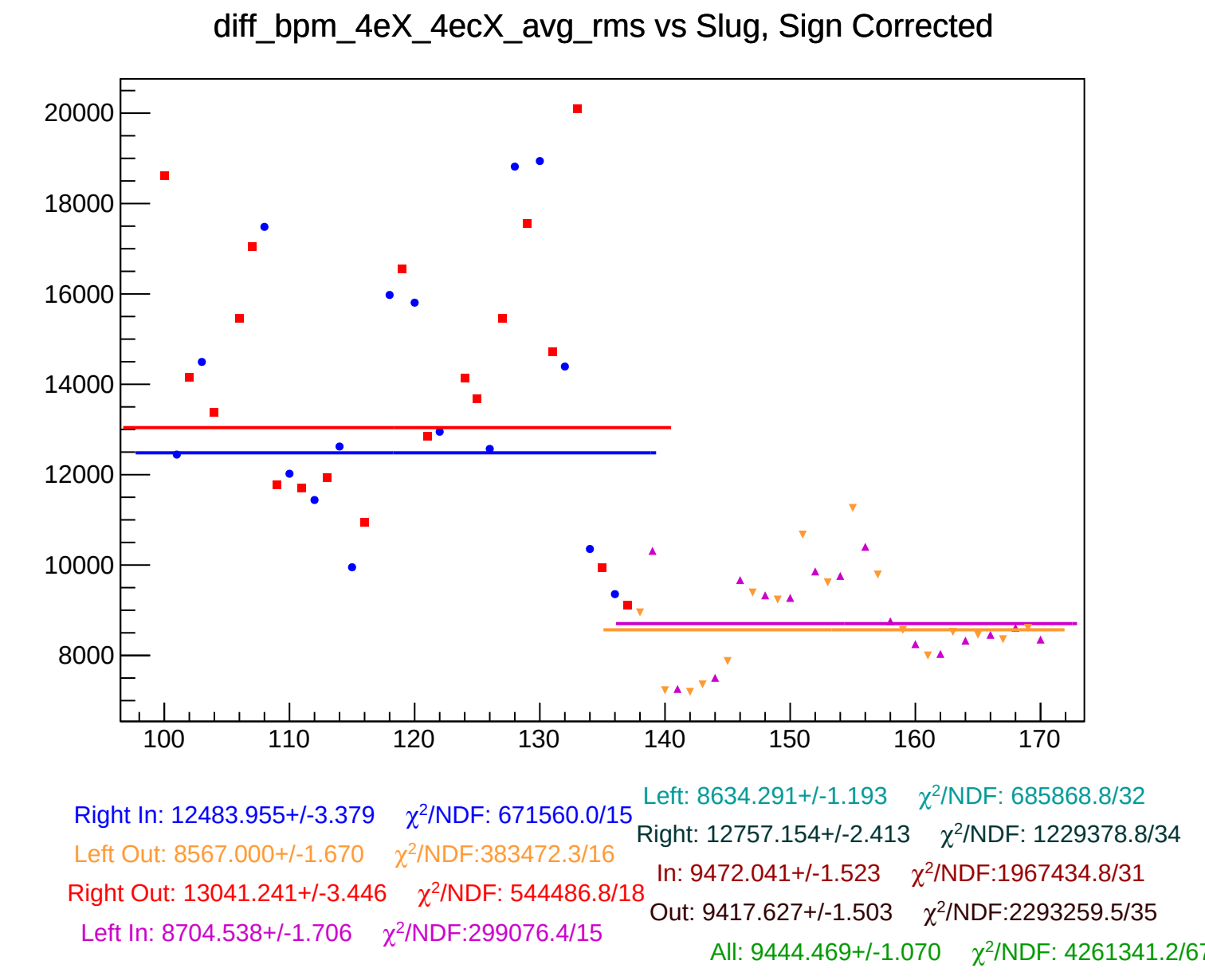
Left: -6.972+/-1.687 χ^2/NDF: 65.1/32

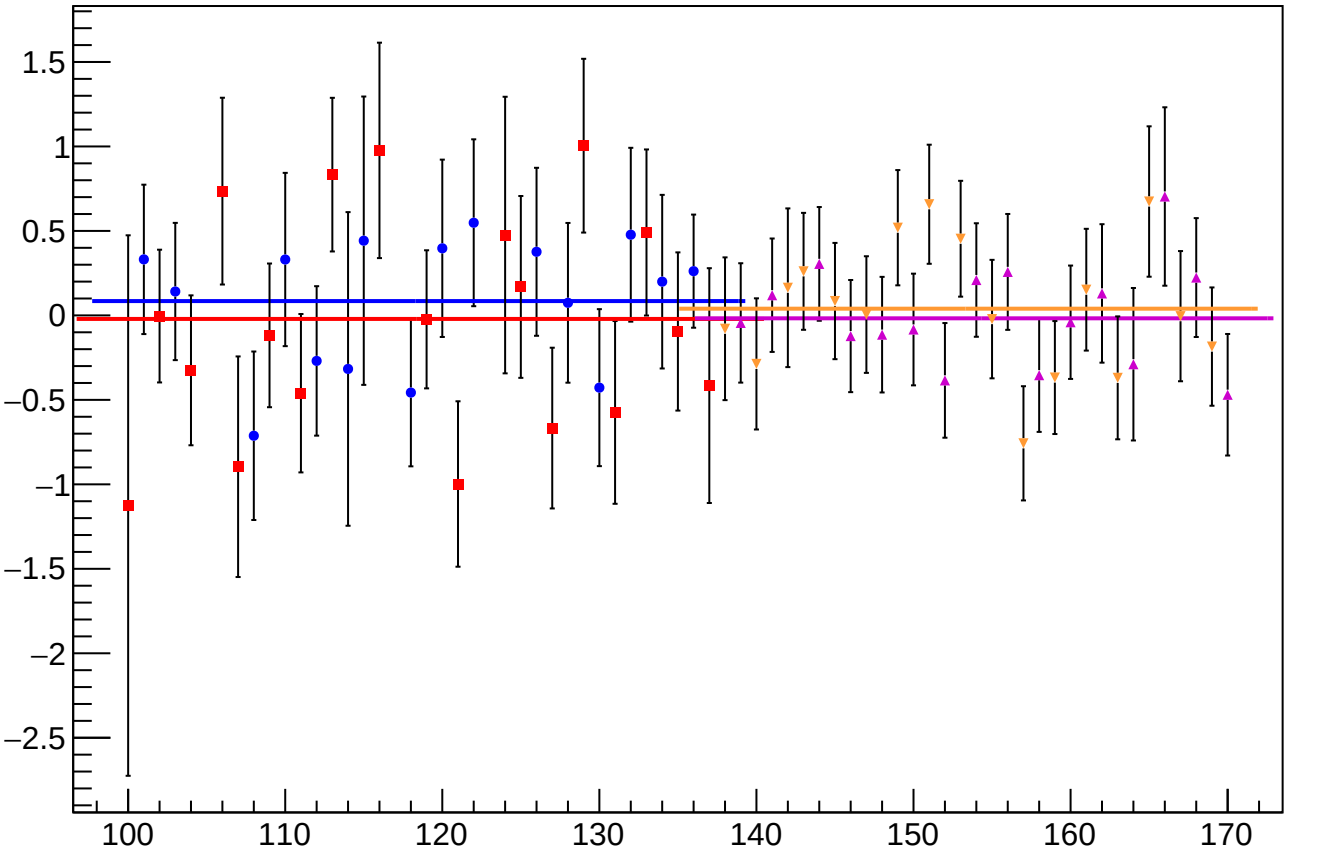
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -2.105+/-2.154 χ^2/NDF:39.9/31

Out: -8.658+/-2.125 χ^2/NDF:68.8/35

All: -5.426+/-1.513 χ^2/NDF: 113.5/67


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: 8567.000+/-1.670 χ²/NDF:383472.3/16
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8704.538+/-1.706 χ²/NDF:299076.4/15
Left: 8634.291+/-1.193 χ²/NDF: 685868.8/32
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9472.041+/-1.523 χ²/NDF:1967434.8/31
Out: 9417.627+/-1.503 χ²/NDF:2293259.5/35
All: 9444.469+/-1.070 χ²/NDF: 4261341.2/67



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.040+/-0.088 χ^2/NDF:18.7/16

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.017+/-0.089 χ^2/NDF:9.0/15

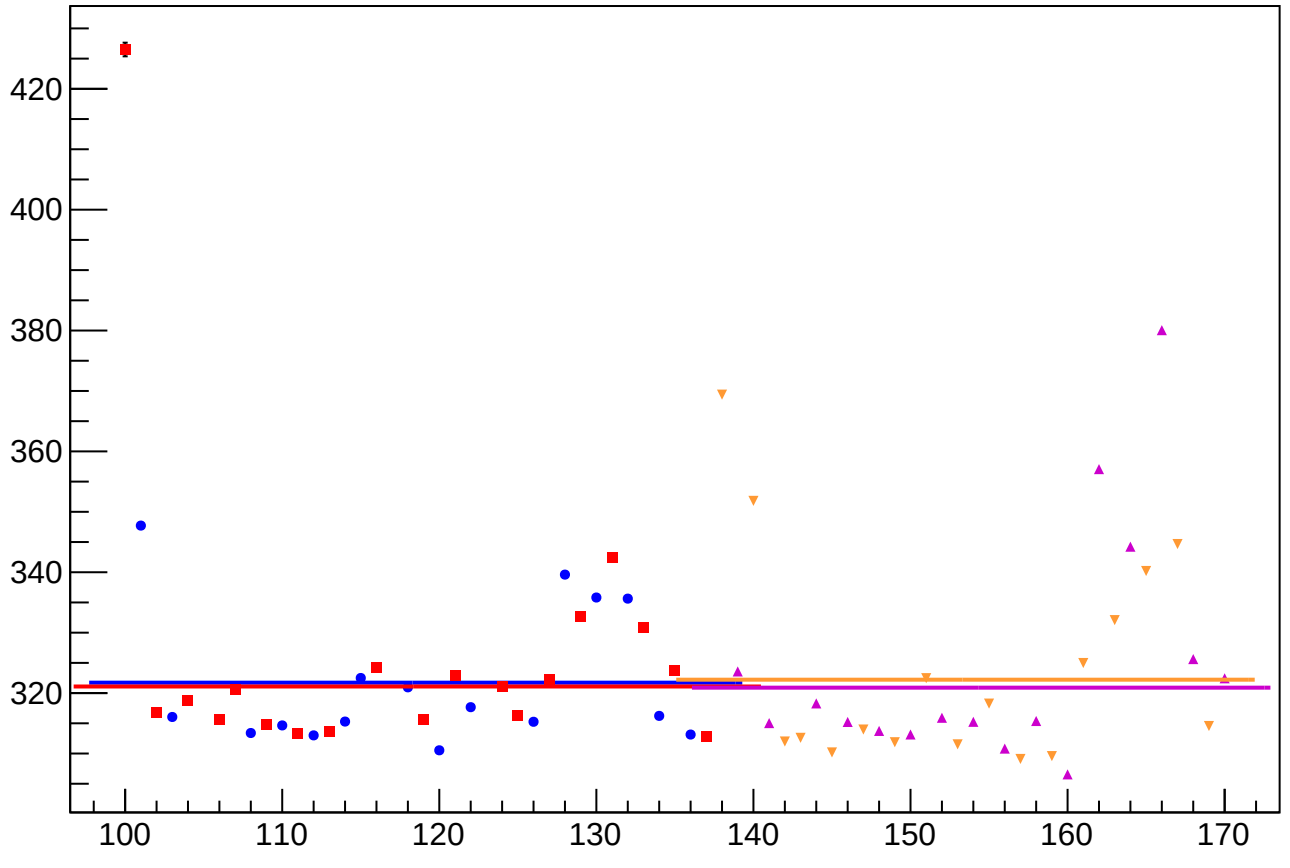
Left: 0.011+/-0.063 χ^2/NDF: 27.9/32

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.019+/-0.071 χ^2/NDF:18.8/31

Out: 0.018+/-0.071 χ^2/NDF:43.2/35

All: 0.018+/-0.050 χ^2/NDF: 62.0/67



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.219+/-0.062 χ^2/NDF:65161.5/16

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.899+/-0.063 χ^2/NDF:56757.1/15

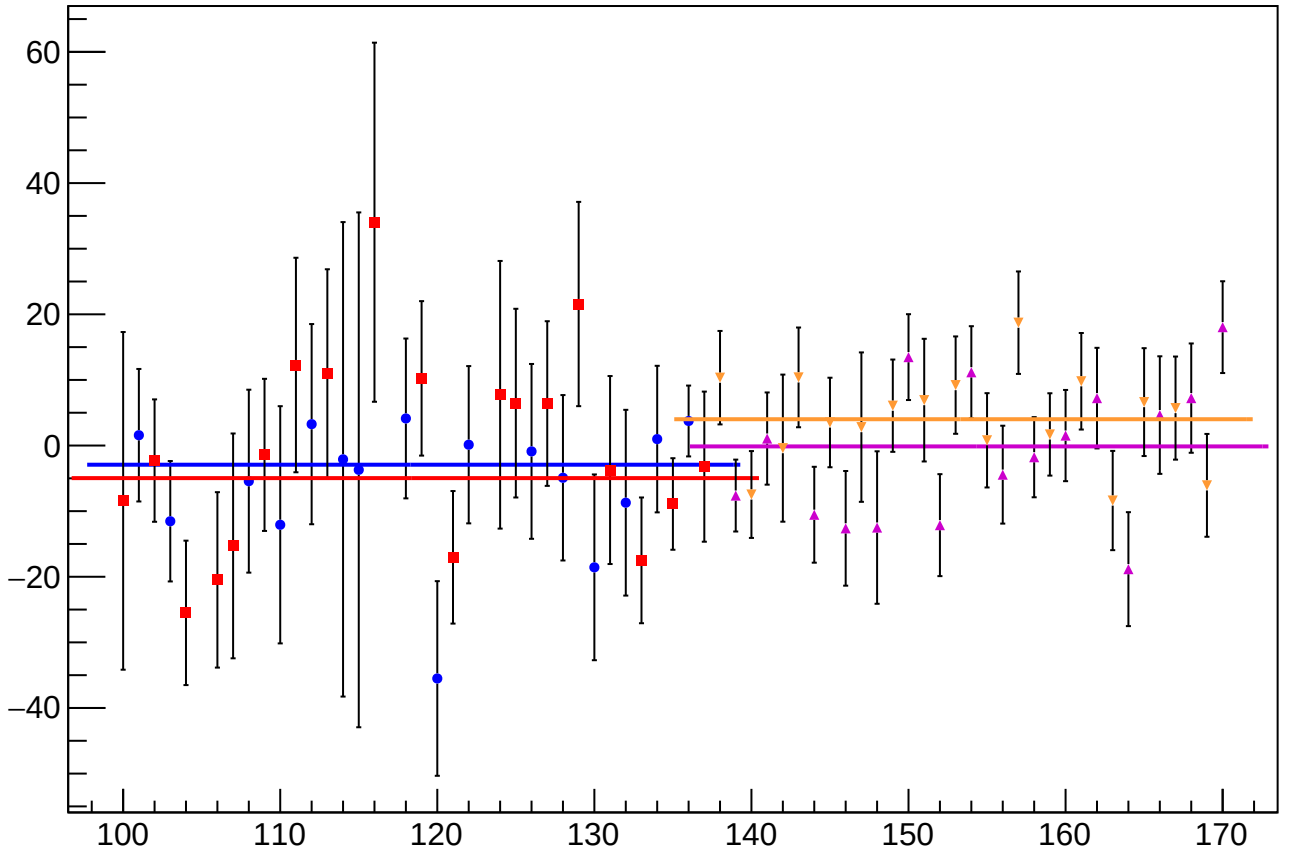
Left: 321.563+/-0.044 χ^2/NDF: 122140.5/32

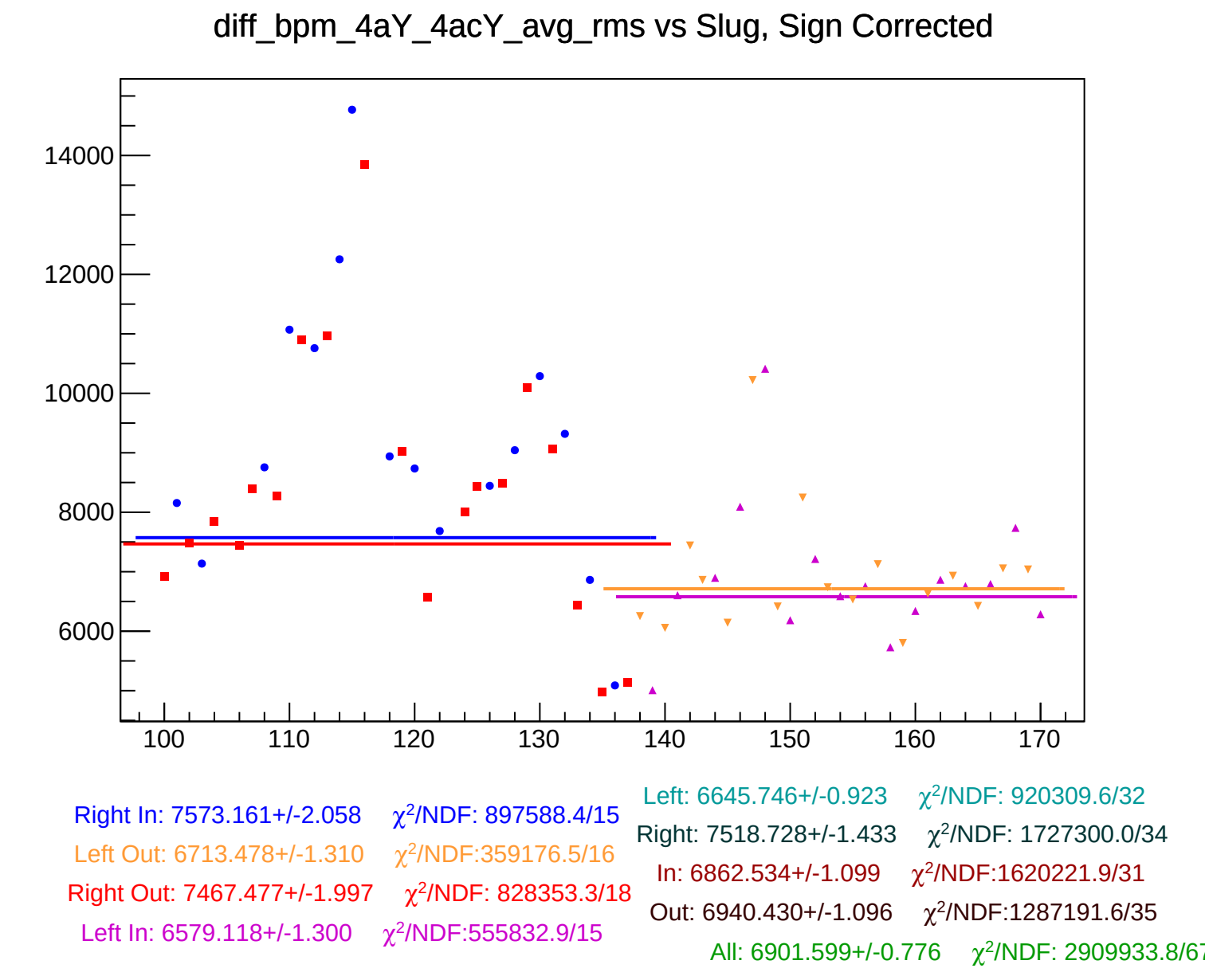
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

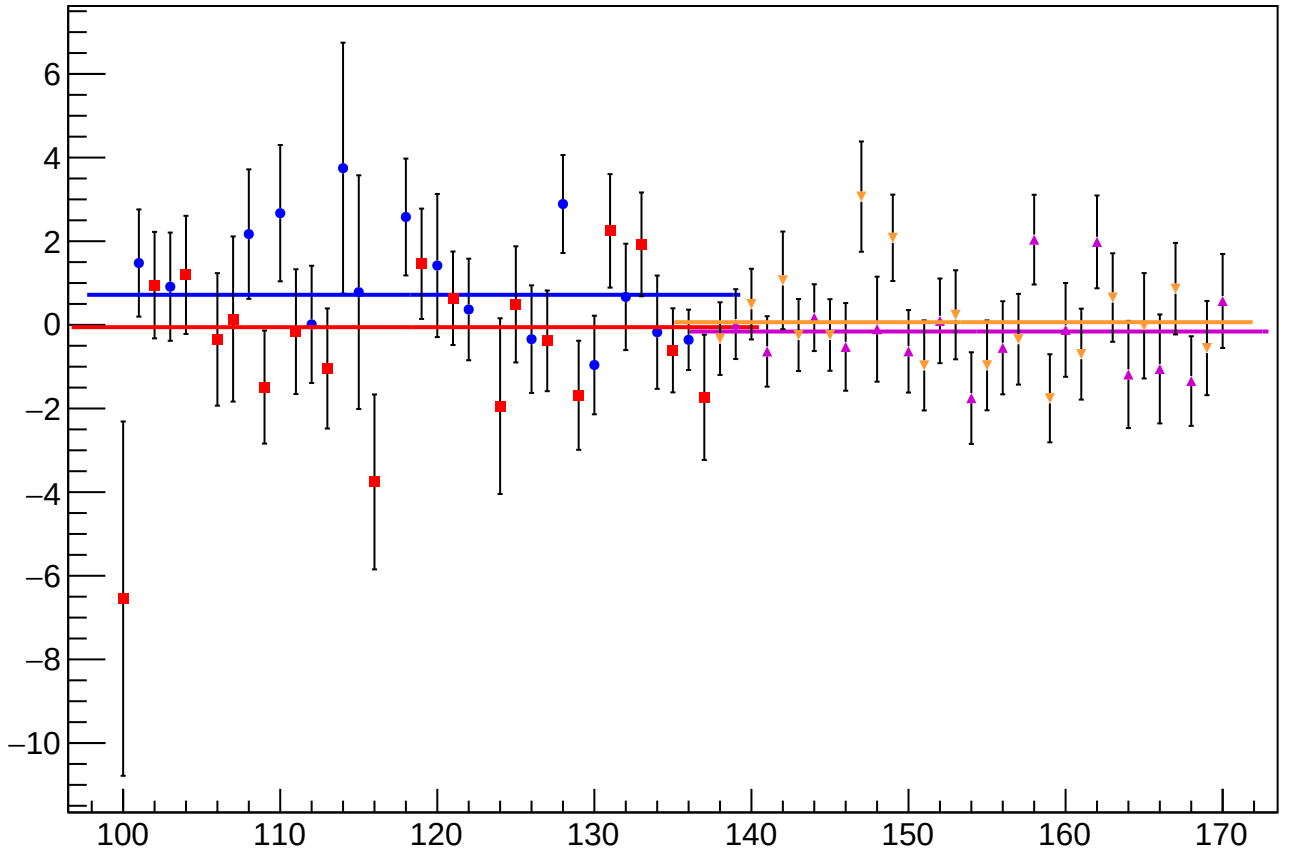
In: 321.192+/-0.051 χ^2/NDF:75033.2/31

Out: 321.812+/-0.050 χ^2/NDF:81858.2/35

All: 321.506+/-0.036 χ^2/NDF: 156967.7/67


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 4.011+/-1.853 χ²/NDF:14.3/16
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: -0.133+/-1.838 χ²/NDF:30.2/15
Left: 1.922+/-1.305 χ²/NDF: 47.1/32
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -0.928+/-1.554 χ²/NDF:40.7/31
Out: 1.309+/-1.549 χ²/NDF:40.8/35
All: 0.194+/-1.097 χ²/NDF: 82.6/67


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6713.478+/-1.310 χ²/NDF:359176.5/16
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6579.118+/-1.300 χ²/NDF:555832.9/15
Left: 6645.746+/-0.923 χ²/NDF: 920309.6/32
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6862.534+/-1.099 χ²/NDF:1620221.9/31
Out: 6940.430+/-1.096 χ²/NDF:1287191.6/35
All: 6901.599+/-0.776 χ²/NDF: 2909933.8/67



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.064+/-0.250 χ^2/NDF:17.1/16

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.159+/-0.259 χ^2/NDF:13.9/15

Left: -0.044+/-0.180 χ^2/NDF: 31.4/32

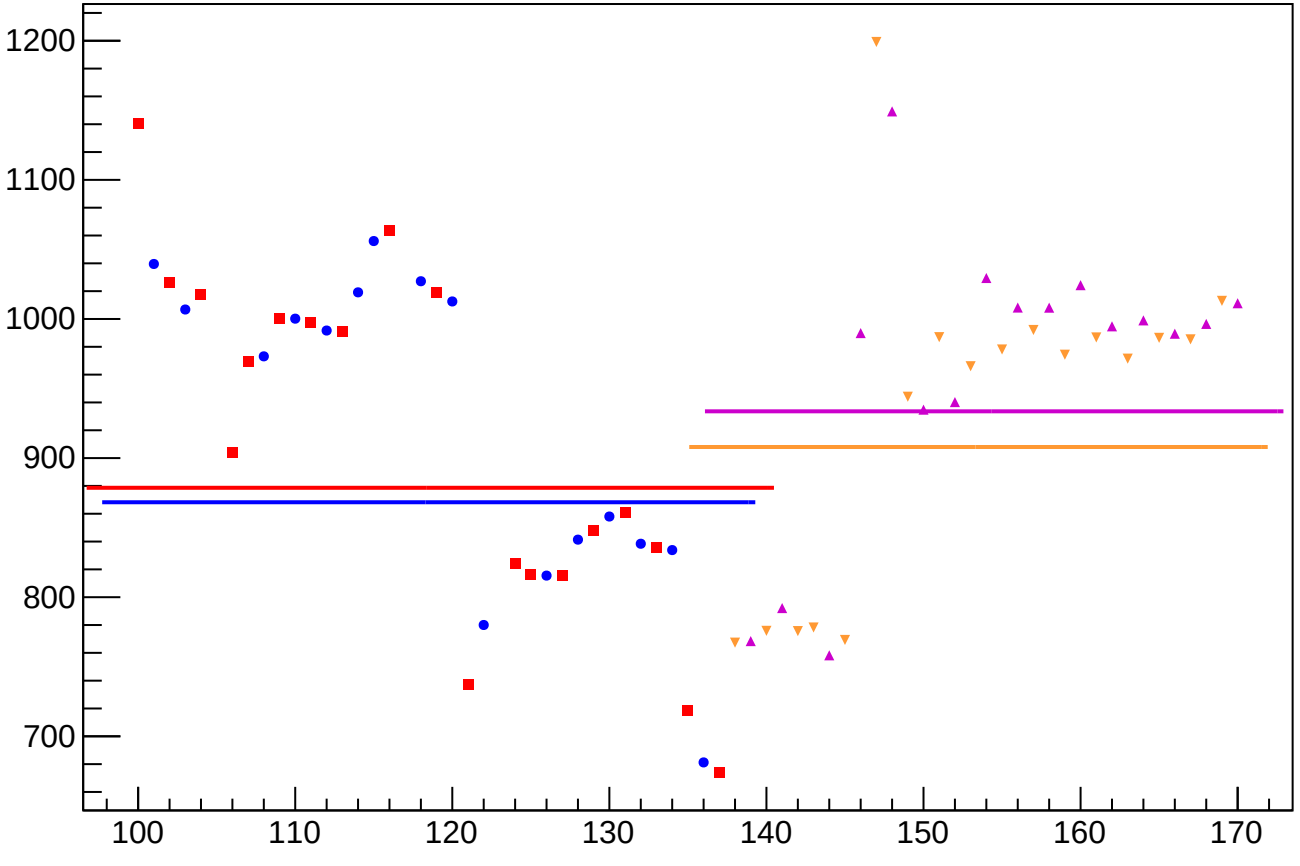
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.180+/-0.203 χ^2/NDF:33.1/31

Out: 0.019+/-0.198 χ^2/NDF:37.0/35

All: 0.098+/-0.141 χ^2/NDF: 70.4/67

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 907.971+/-0.177 χ^2/NDF:422863.5/16

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 933.620+/-0.183 χ^2/NDF:374188.4/15

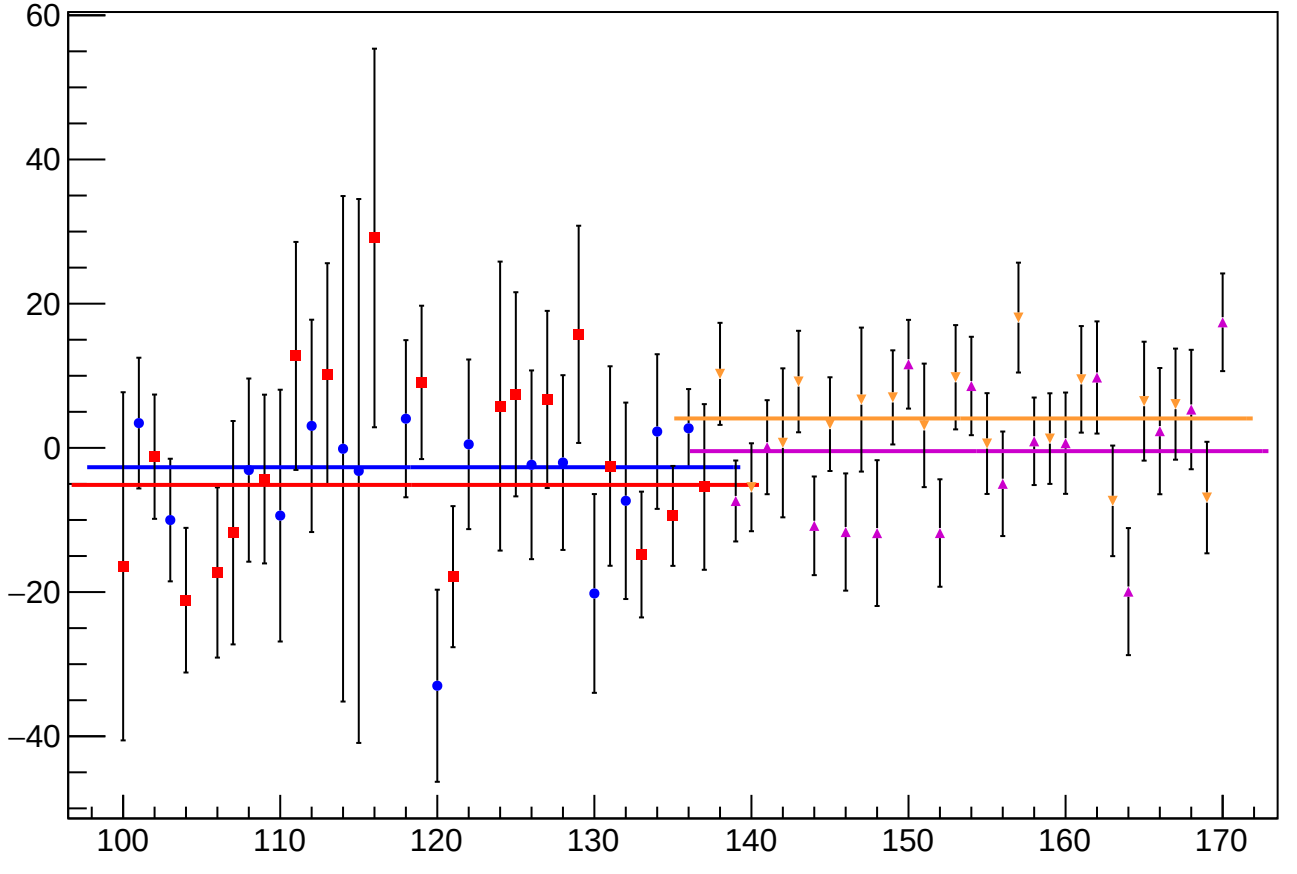
Left: 920.337+/-0.127 χ^2/NDF: 807226.0/32

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 908.344+/-0.143 χ^2/NDF:725939.9/31

Out: 897.021+/-0.140 χ^2/NDF:705690.1/35

All: 902.540+/-0.100 χ^2/NDF: 1434829.9/67



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.081+/-1.788 χ^2/NDF:13.5/16

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.453+/-1.788 χ^2/NDF:29.5/15

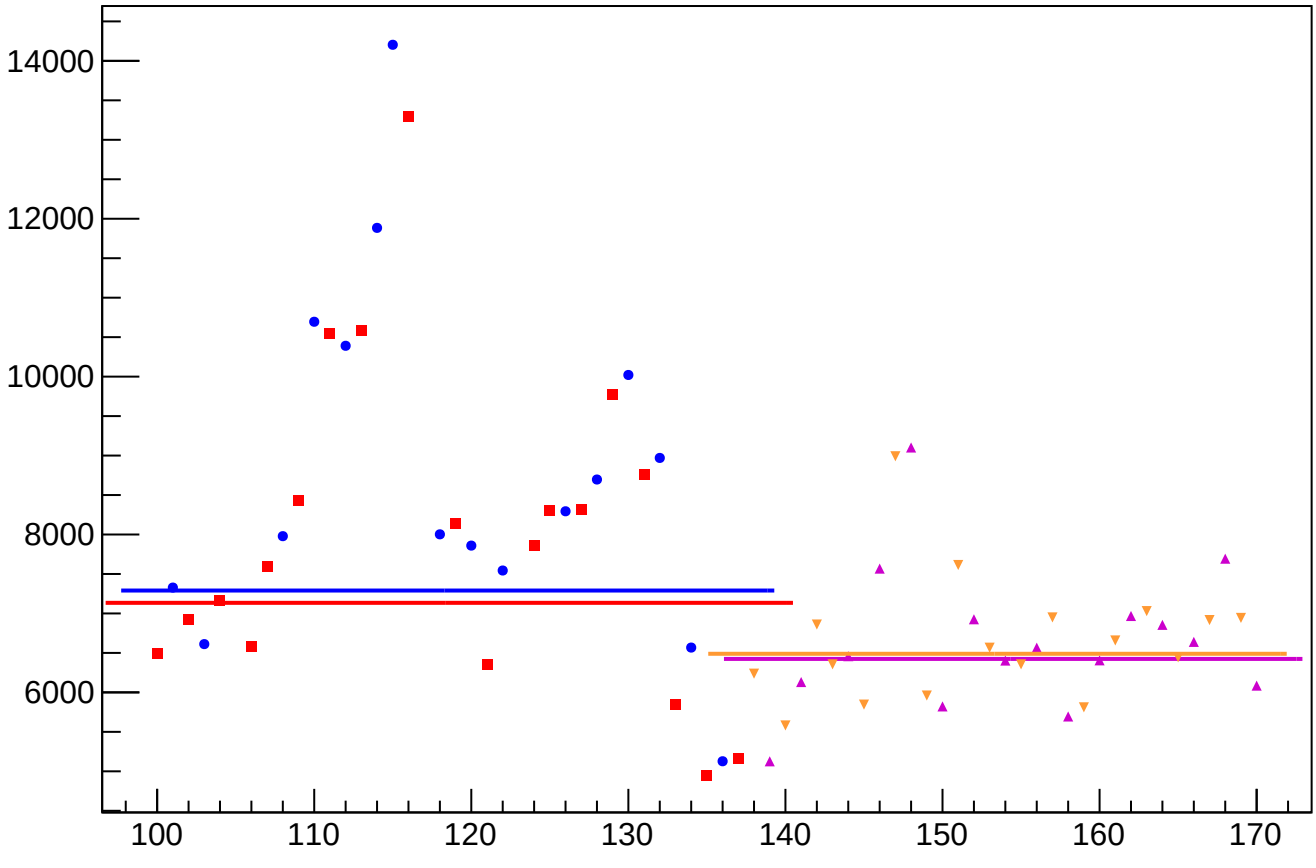
Left: 1.815+/-1.264 χ^2/NDF: 46.2/32

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.103+/-1.505 χ^2/NDF:40.0/31

Out: 1.260+/-1.489 χ^2/NDF:38.9/35

All: 0.091+/-1.059 χ^2/NDF: 80.2/67



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6489.032+/-1.264 χ^2/NDF:298594.3/16

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6423.924+/-1.265 χ^2/NDF:416449.4/15

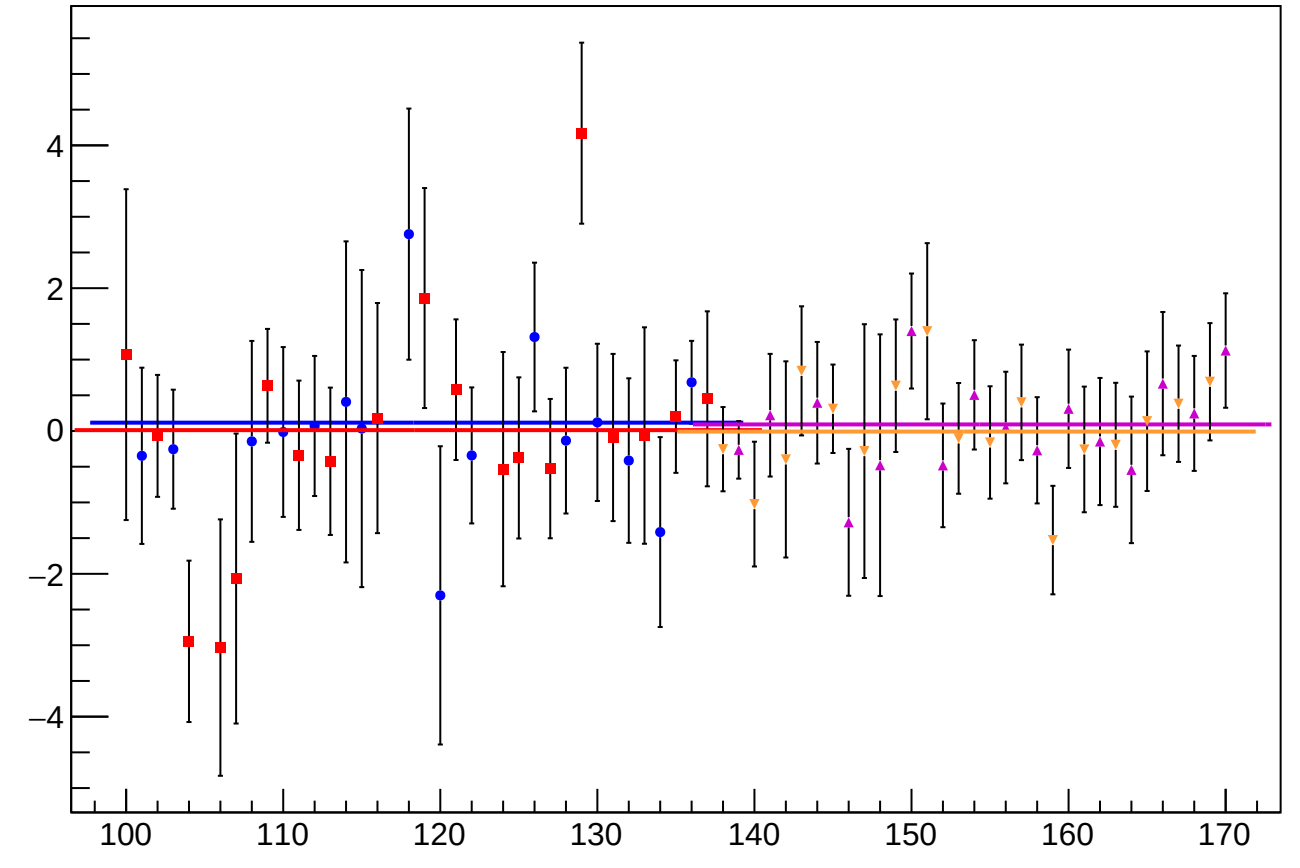
Left: 6456.491+/-0.894 χ^2/NDF: 716369.5/32

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6676.452+/-1.064 χ^2/NDF:1323768.4/31

Out: 6686.545+/-1.053 χ^2/NDF:1171157.8/35

All: 6681.553+/-0.749 χ^2/NDF: 2494971.7/67



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.008+/-0.205 χ^2/NDF:10.0/16

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.092+/-0.196 χ^2/NDF:9.0/15

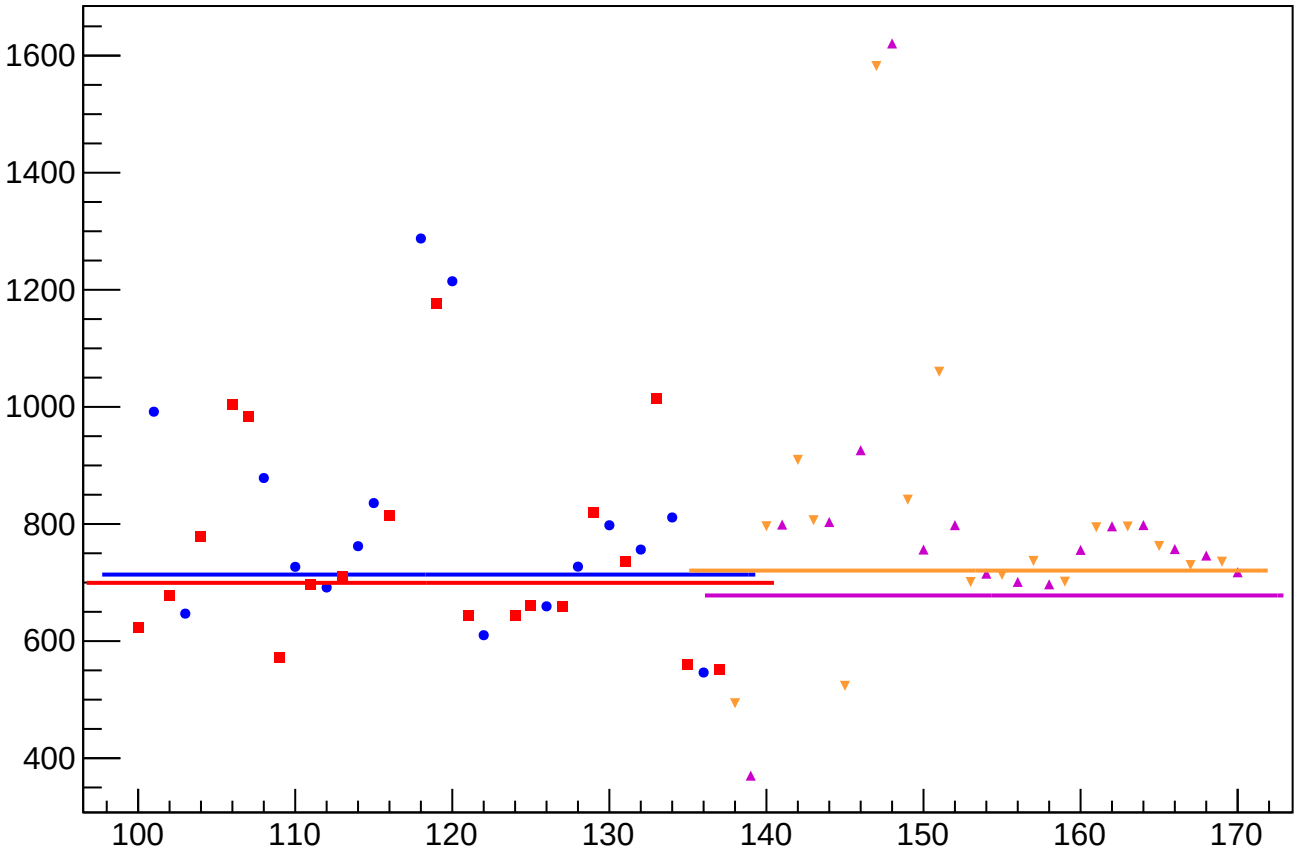
Left: 0.044+/-0.142 χ^2/NDF: 19.1/32

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.101+/-0.159 χ^2/NDF:17.1/31

Out: -0.000+/-0.162 χ^2/NDF:35.1/35

All: 0.051+/-0.113 χ^2/NDF: 52.4/67



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 720.451+/-0.145 χ^2/NDF:1261745.6/16

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 677.950+/-0.139 χ^2/NDF:2070993.0/15

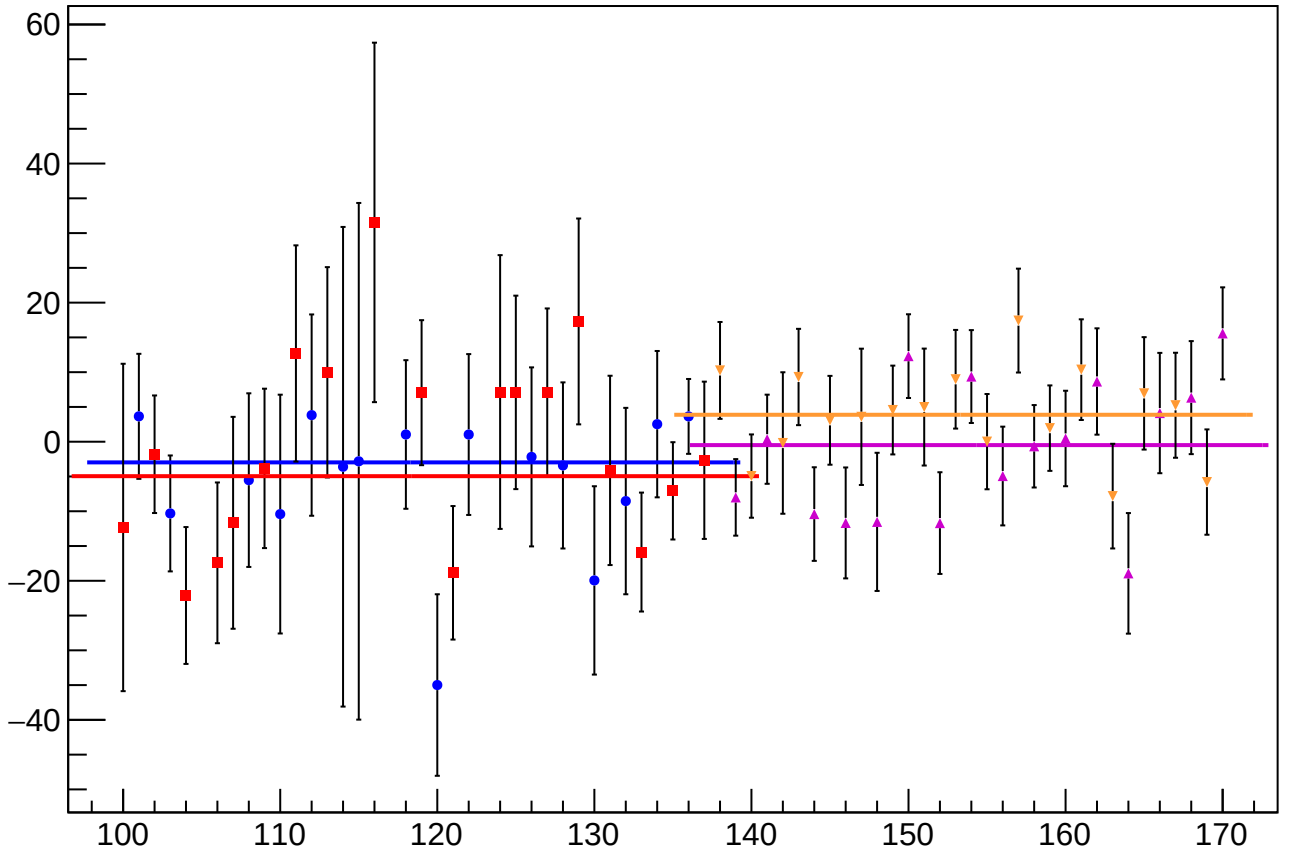
Left: 698.331+/-0.100 χ^2/NDF: 3377636.1/32

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 690.111+/-0.113 χ^2/NDF:2792785.0/31

Out: 712.559+/-0.114 χ^2/NDF:1845401.7/35

All: 701.190+/-0.080 χ^2/NDF: 4657742.1/67


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
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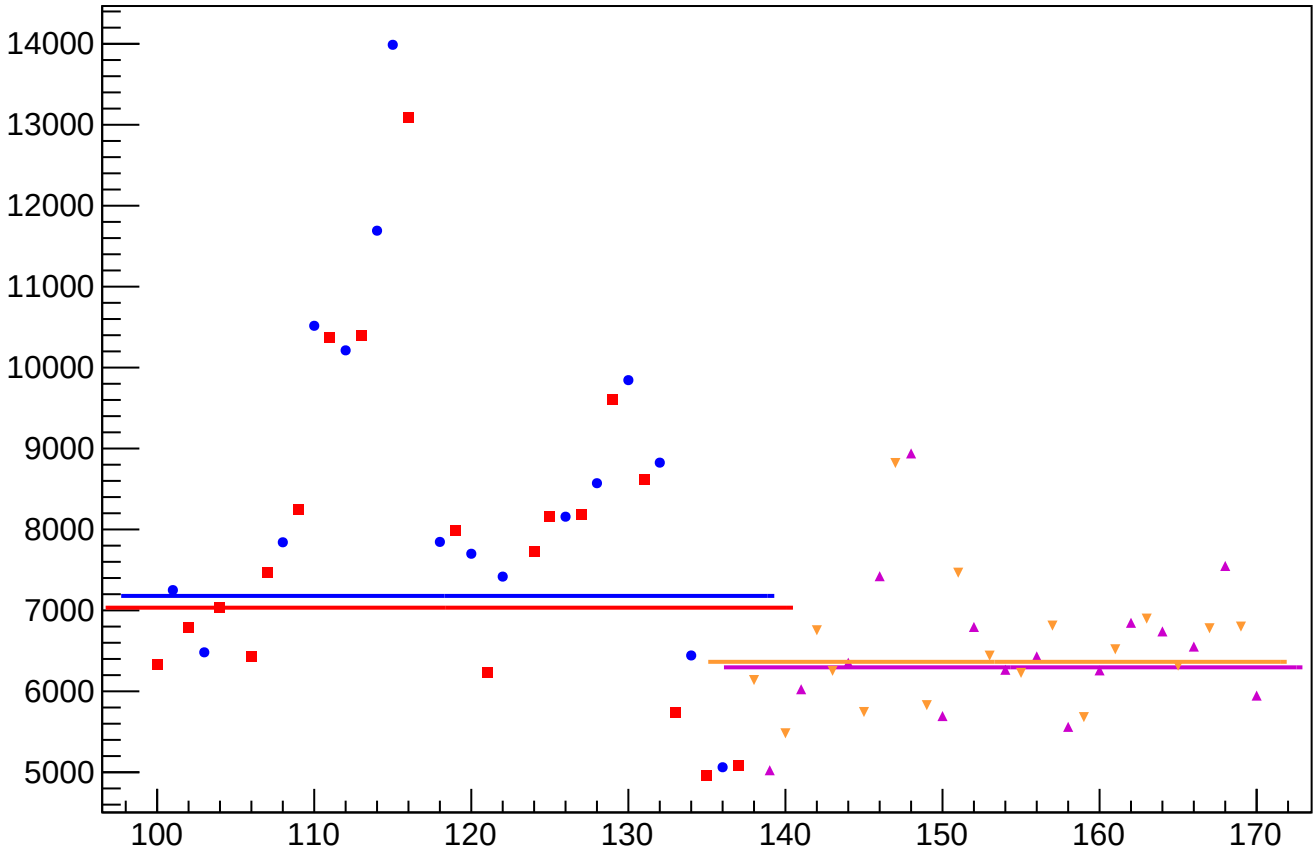
140
150
160
170
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 3.875+/-1.754 χ²/NDF:13.1/16
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.488+/-1.753 χ²/NDF:29.6/15
Left: 1.694+/-1.240 χ²/NDF: 45.7/32
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -1.208+/-1.478 χ²/NDF:41.7/31
Out: 1.190+/-1.463 χ²/NDF:39.3/35
All: 0.004+/-1.040 χ²/NDF: 82.3/67



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6364.492+/-1.240 χ^2/NDF:298511.7/16

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6296.350+/-1.240 χ^2/NDF:423215.4/15

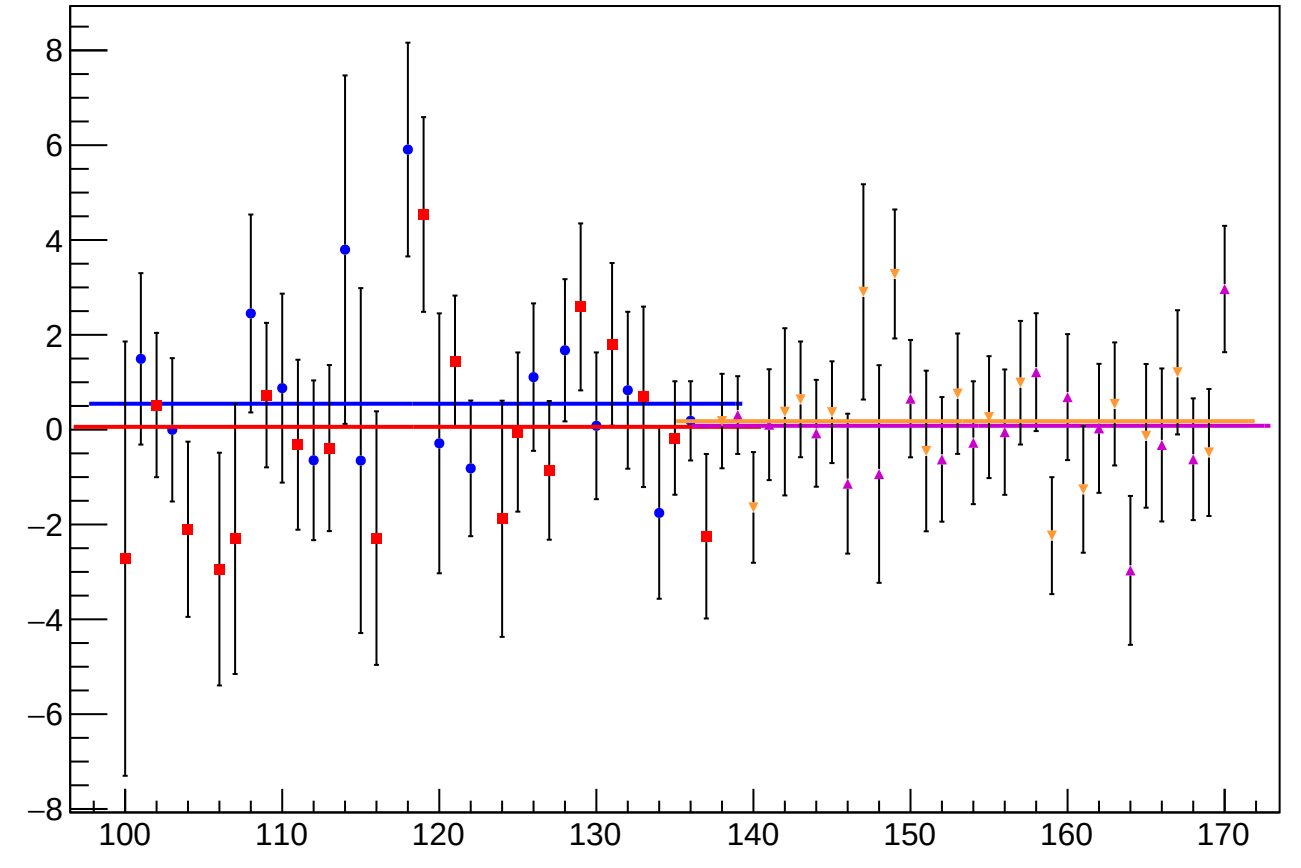
Left: 6330.419+/-0.877 χ^2/NDF: 723237.2/32

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6551.984+/-1.045 χ^2/NDF:1331906.1/31

Out: 6567.899+/-1.034 χ^2/NDF:1153411.8/35

All: 6560.023+/-0.735 χ^2/NDF: 2485435.0/67



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.179+/-0.318 χ^2/NDF:16.0/16

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.082+/-0.320 χ^2/NDF:11.4/15

Left: 0.131+/-0.226 χ^2/NDF: 27.5/32

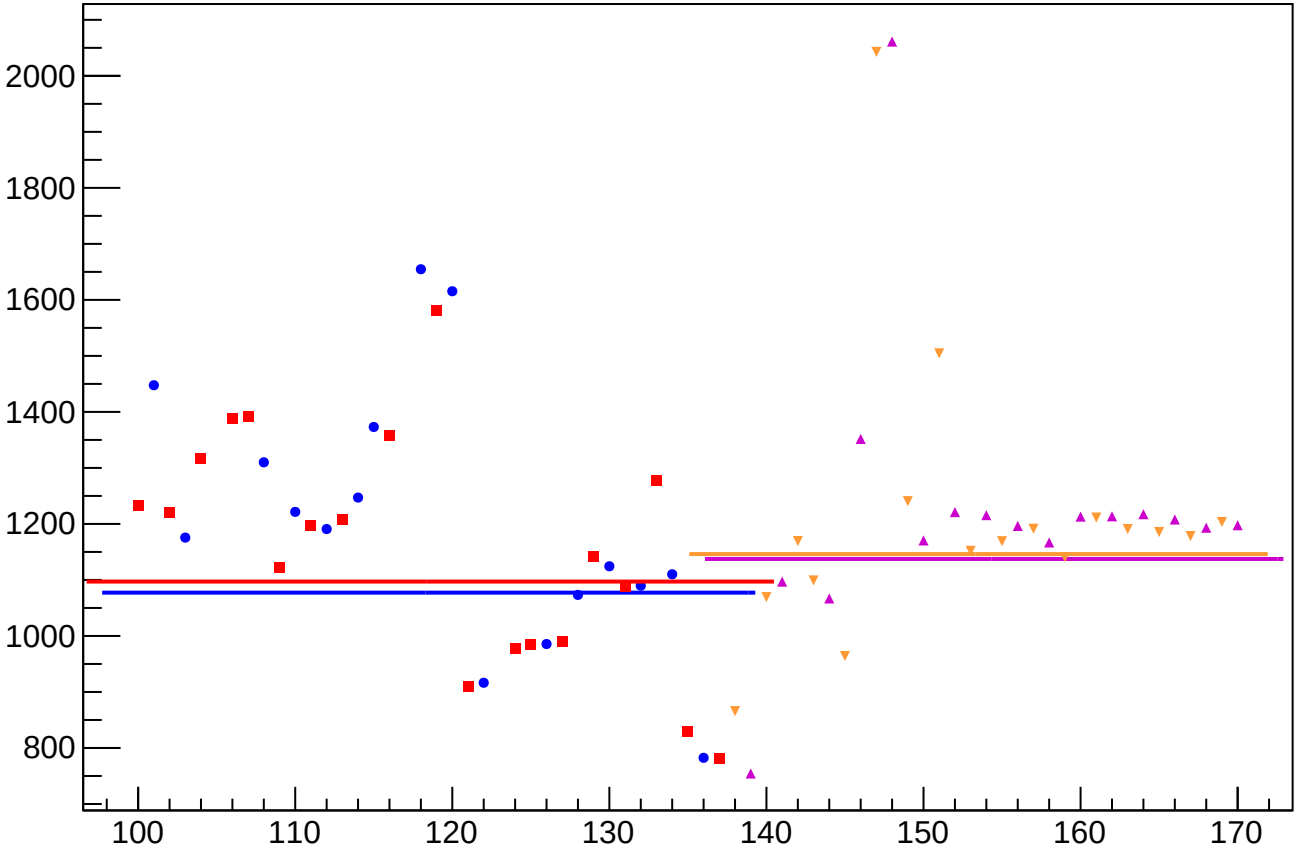
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.257+/-0.252 χ^2/NDF:24.2/31

Out: 0.134+/-0.251 χ^2/NDF:32.9/35

All: 0.195+/-0.178 χ^2/NDF: 57.2/67

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1146.196+/-0.225 χ^2/NDF:655484.2/16

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1137.461+/-0.226 χ^2/NDF:864153.3/15

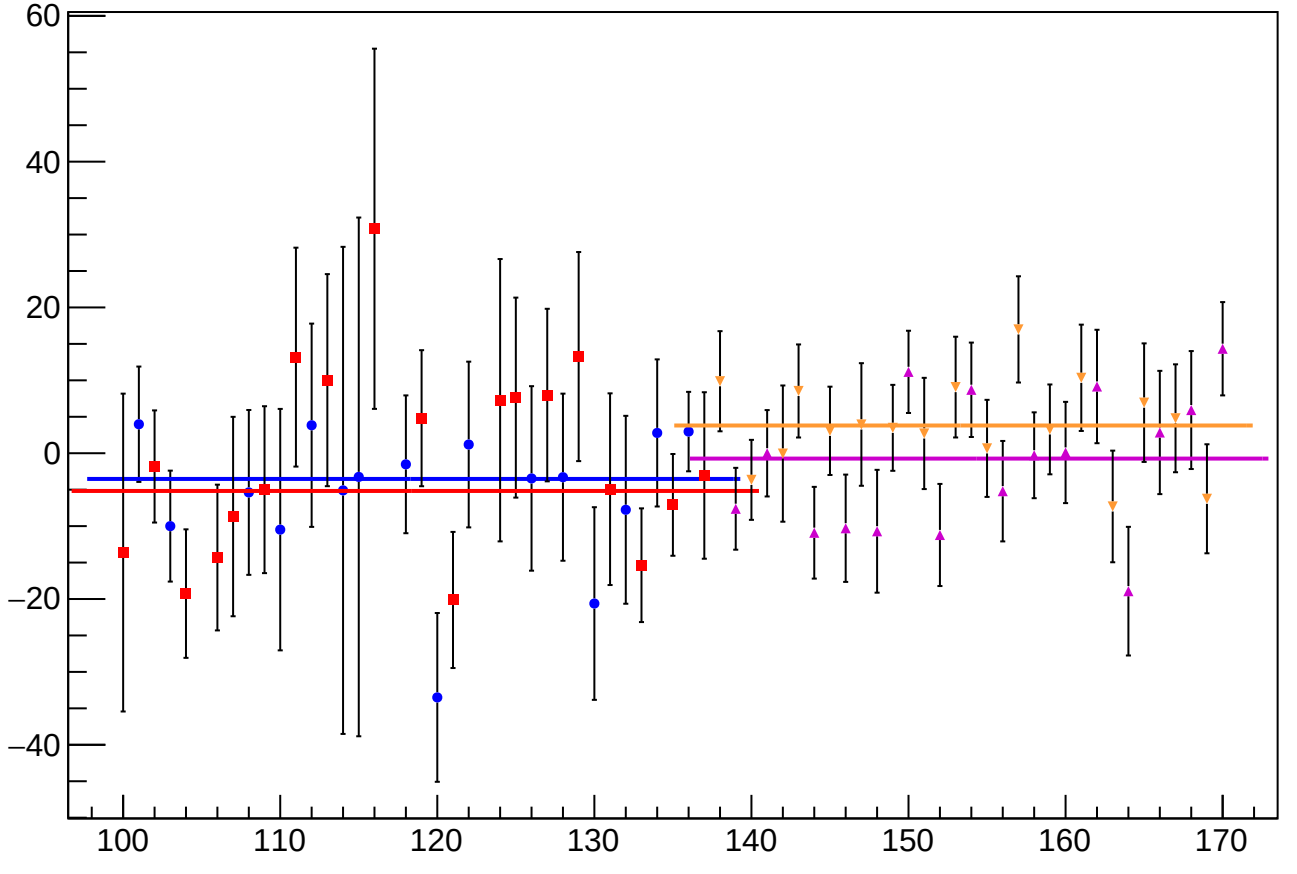
Left: 1141.855+/-0.159 χ^2/NDF: 1520387.4/32

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1114.753+/-0.179 χ^2/NDF:1537362.1/31

Out: 1127.691+/-0.178 χ^2/NDF:1157817.6/35

All: 1121.258+/-0.126 χ^2/NDF: 2697821.1/67



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.805+/-1.682 χ^2/NDF:12.4/16

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.736+/-1.697 χ^2/NDF:28.7/15

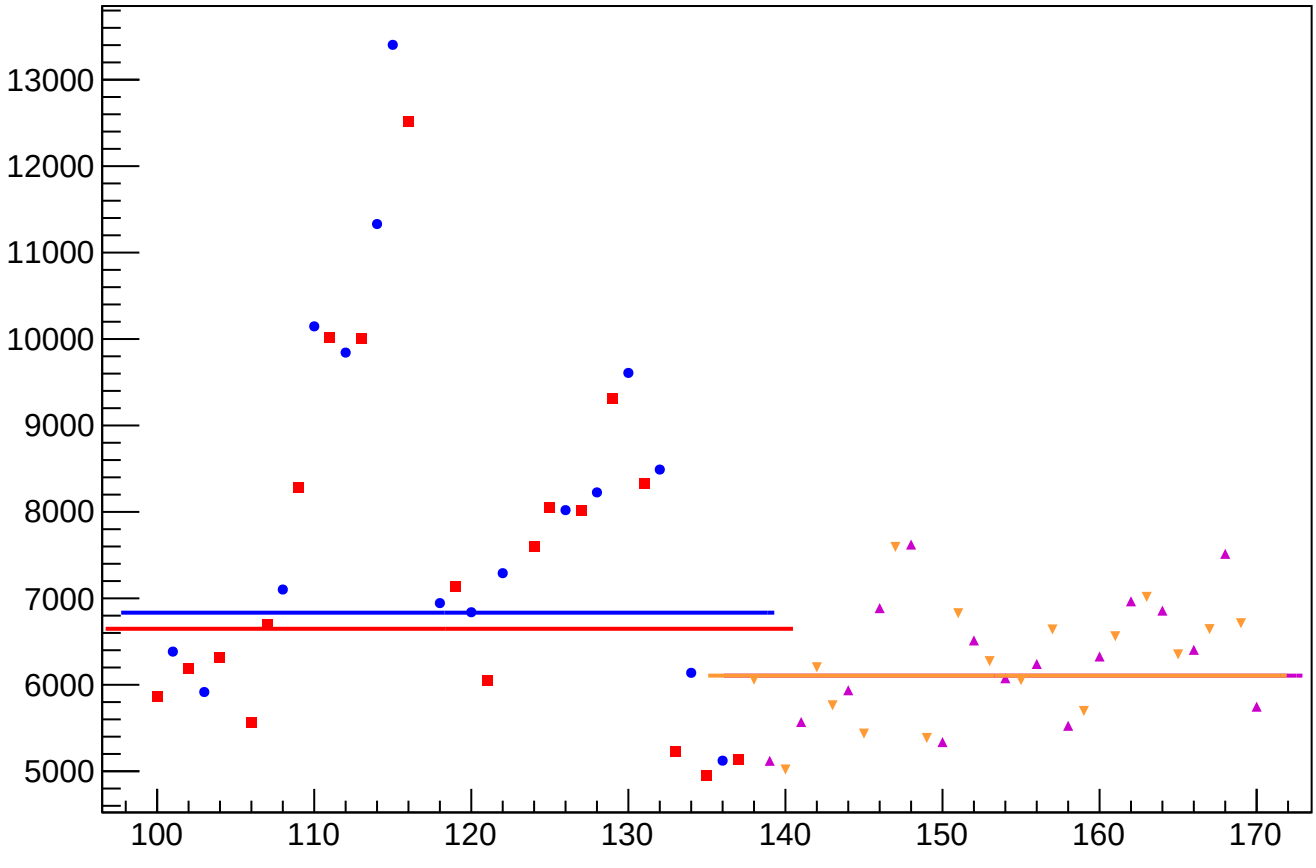
Left: 1.554+/-1.195 χ^2/NDF: 44.7/32

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.566+/-1.422 χ^2/NDF:42.2/31

Out: 1.019+/-1.397 χ^2/NDF:39.4/35

All: -0.250+/-0.997 χ^2/NDF: 83.2/67



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6106.124+/-1.189 χ^2/NDF:301929.3/16

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6105.934+/-1.200 χ^2/NDF:341238.3/15

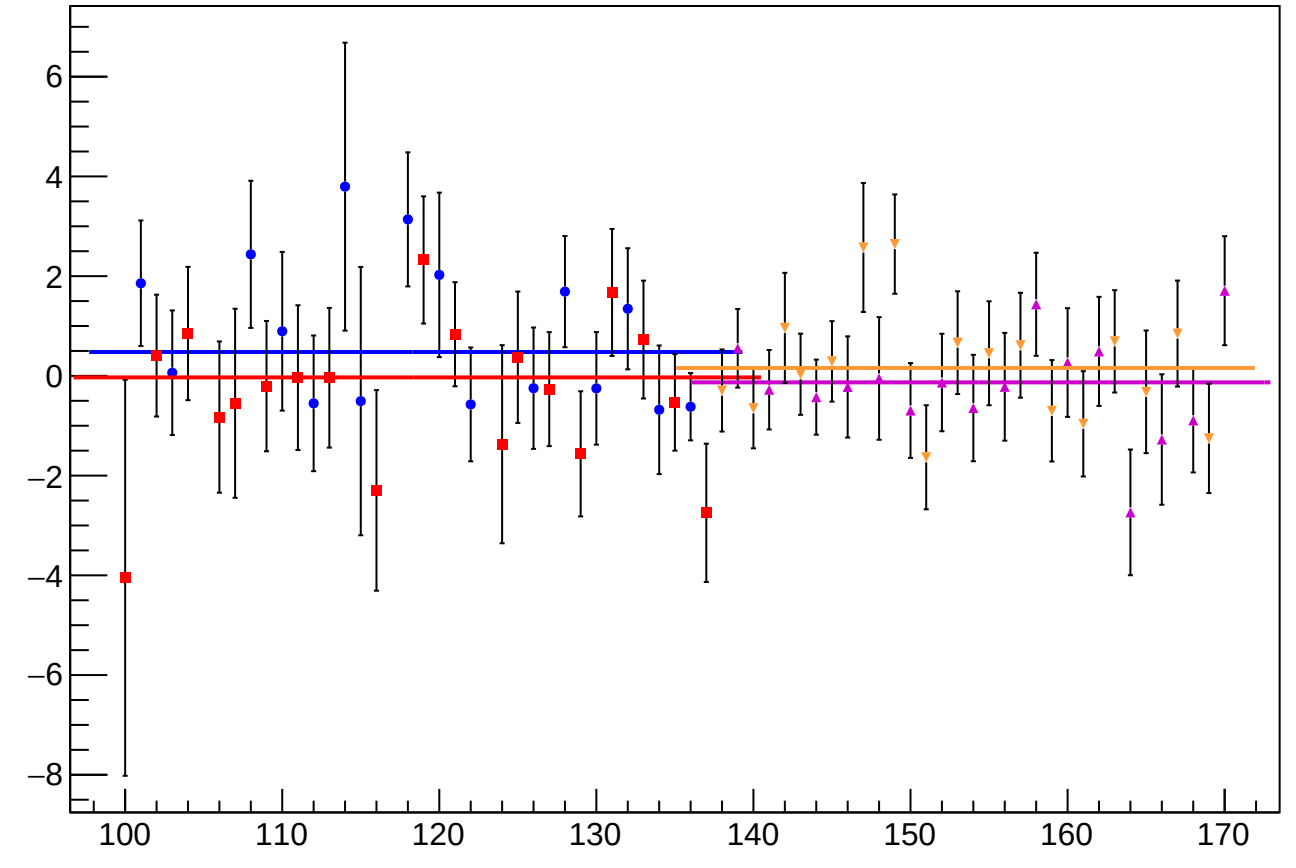
Left: 6106.030+/-0.845 χ^2/NDF: 643167.6/32

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6322.564+/-1.006 χ^2/NDF:1143565.0/31

Out: 6274.232+/-0.988 χ^2/NDF:1151431.7/35

All: 6297.962+/-0.705 χ^2/NDF: 2296172.2/67



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.159+/-0.240 χ^2/NDF:19.4/16

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.130+/-0.250 χ^2/NDF:12.7/15

Left: 0.020+/-0.173 χ^2/NDF: 32.8/32

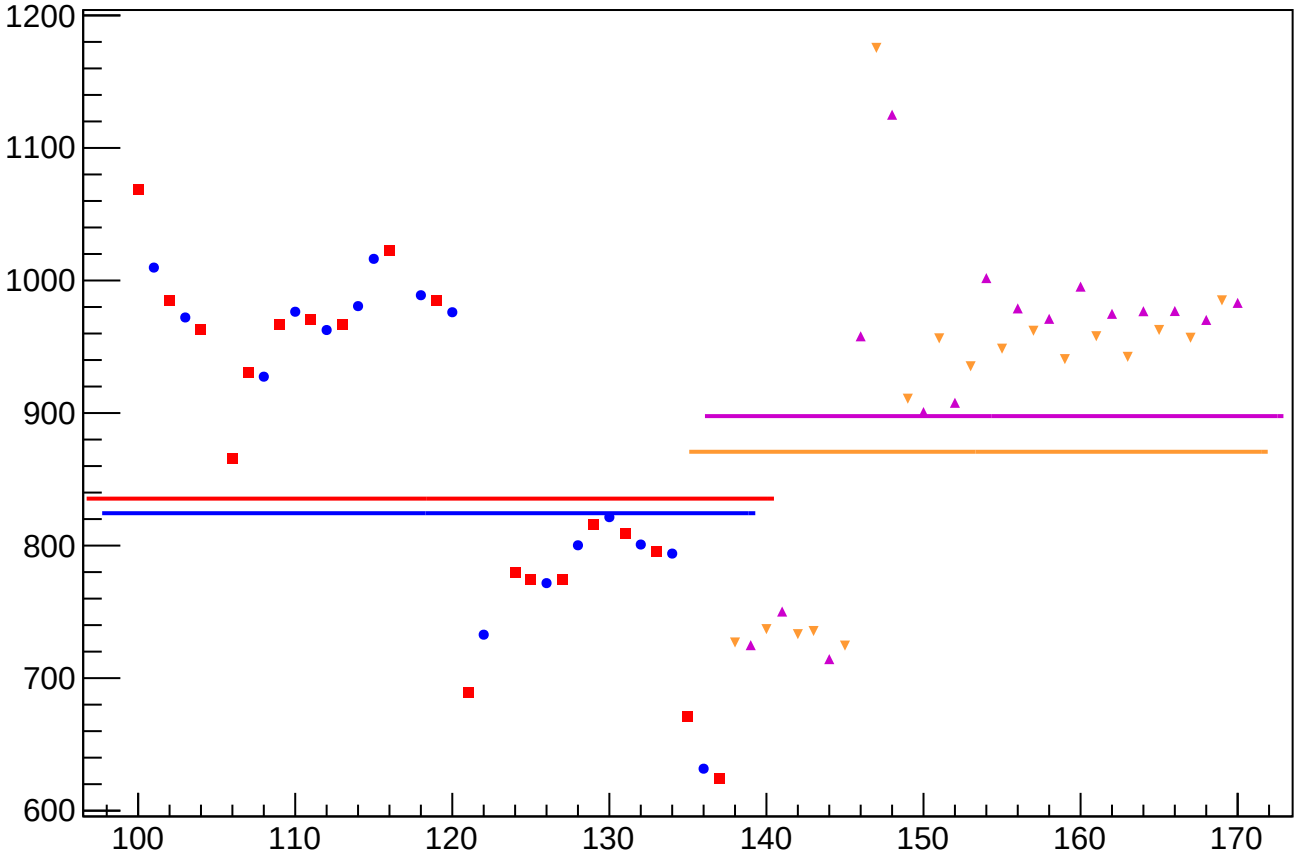
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.109+/-0.195 χ^2/NDF:31.8/31

Out: 0.088+/-0.189 χ^2/NDF:35.4/35

All: 0.098+/-0.136 χ^2/NDF: 67.1/67

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 870.786+/-0.170 χ^2/NDF:509259.1/16

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 897.685+/-0.177 χ^2/NDF:462469.5/15

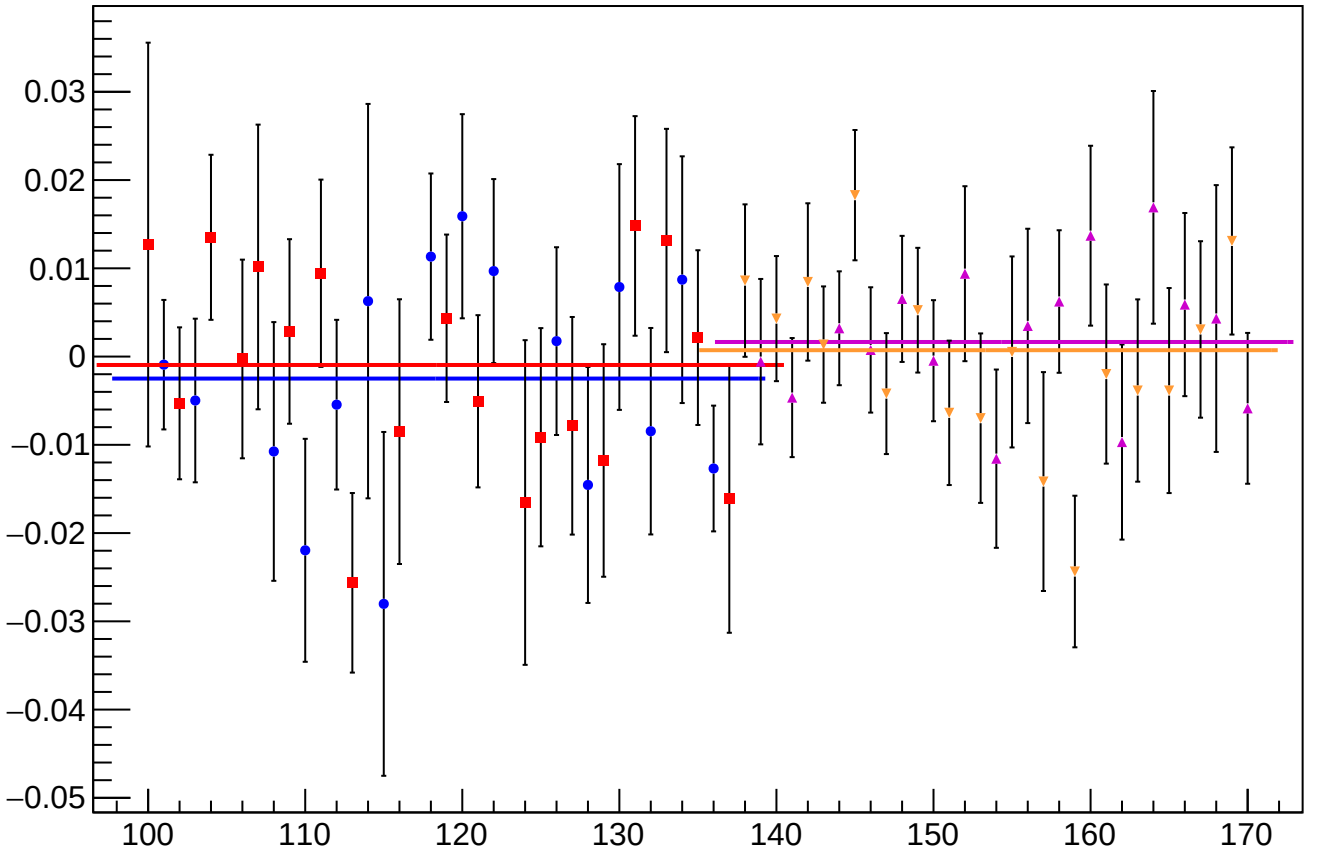
Left: 883.703+/-0.122 χ^2/NDF: 983801.7/32

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 868.961+/-0.138 χ^2/NDF:895473.5/31

Out: 857.467+/-0.134 χ^2/NDF:844922.2/35

All: 863.058+/-0.096 χ^2/NDF: 1743978.5/67



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:21.6/16

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:9.0/15

Left: 0.001+/-0.002 χ^2/NDF: 30.7/32

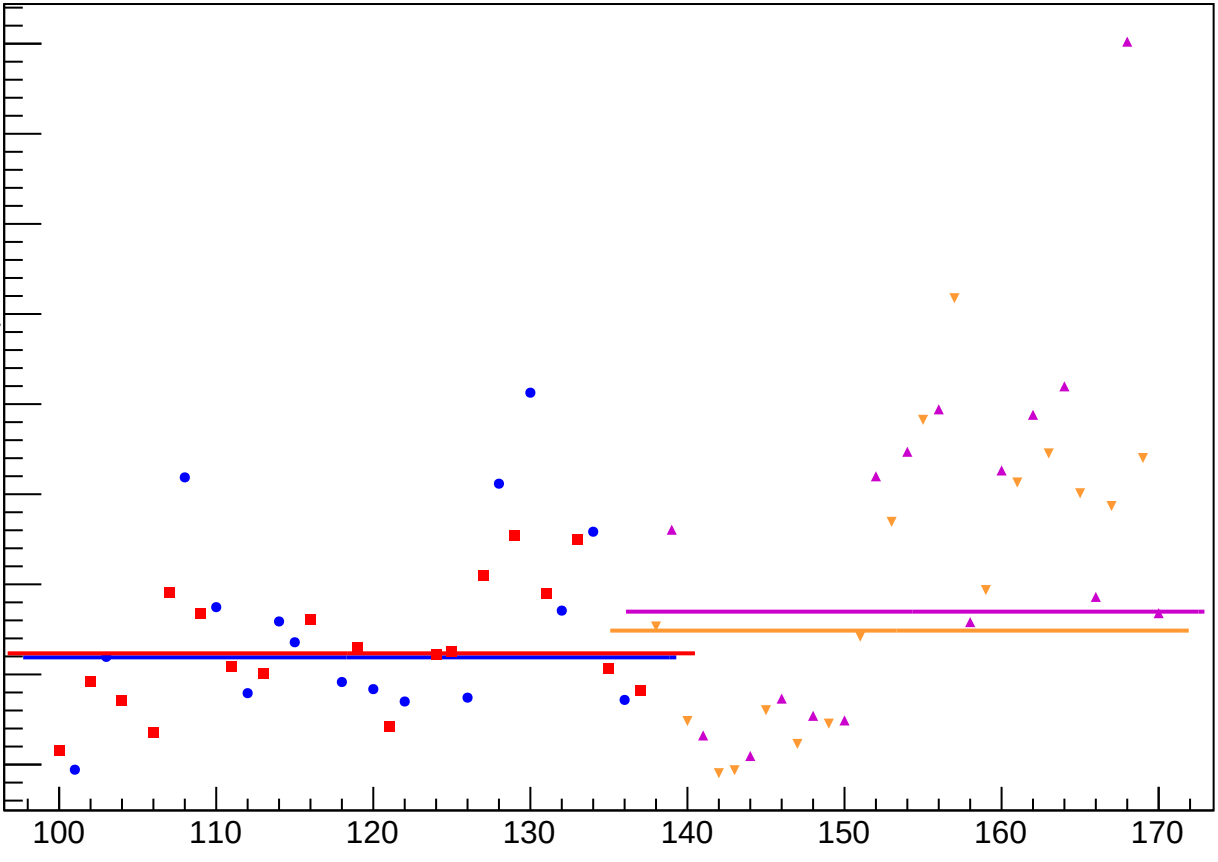
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:25.7/31

Out: 0.000+/-0.002 χ^2/NDF:39.2/35

All: 0.000+/-0.001 χ^2/NDF: 64.9/67

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.487+/-0.001 χ^2/NDF:922753.1/16

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.697+/-0.002 χ^2/NDF:1115591.5/15

Left: 7.588+/-0.001 χ^2/NDF: 2048076.2/32

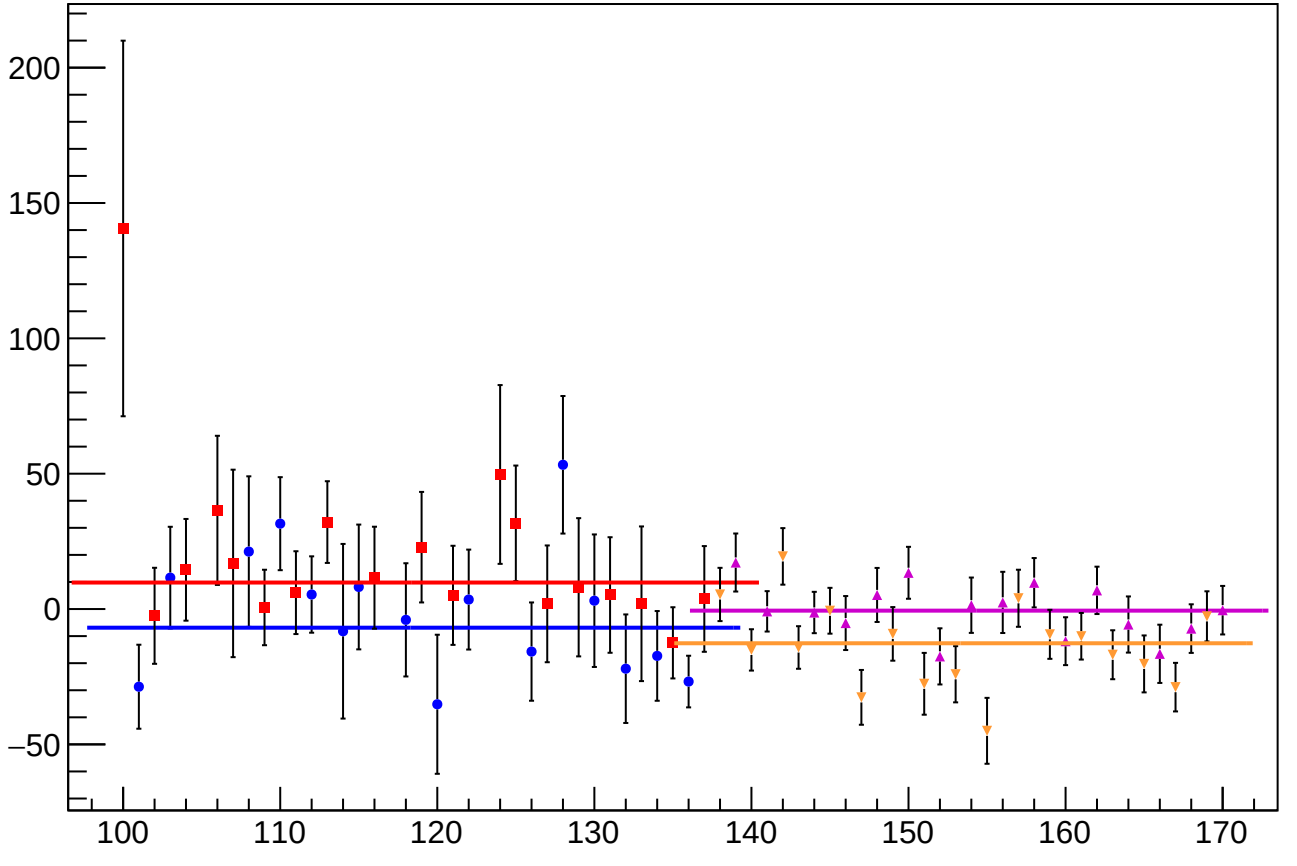
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.499+/-0.001 χ^2/NDF:1435941.0/31

Out: 7.390+/-0.001 χ^2/NDF:1040134.4/35

All: 7.443+/-0.001 χ^2/NDF: 2480310.9/67

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -12.642+/-2.291 χ^2/NDF:36.8/16

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.592+/-2.343 χ^2/NDF:14.8/15

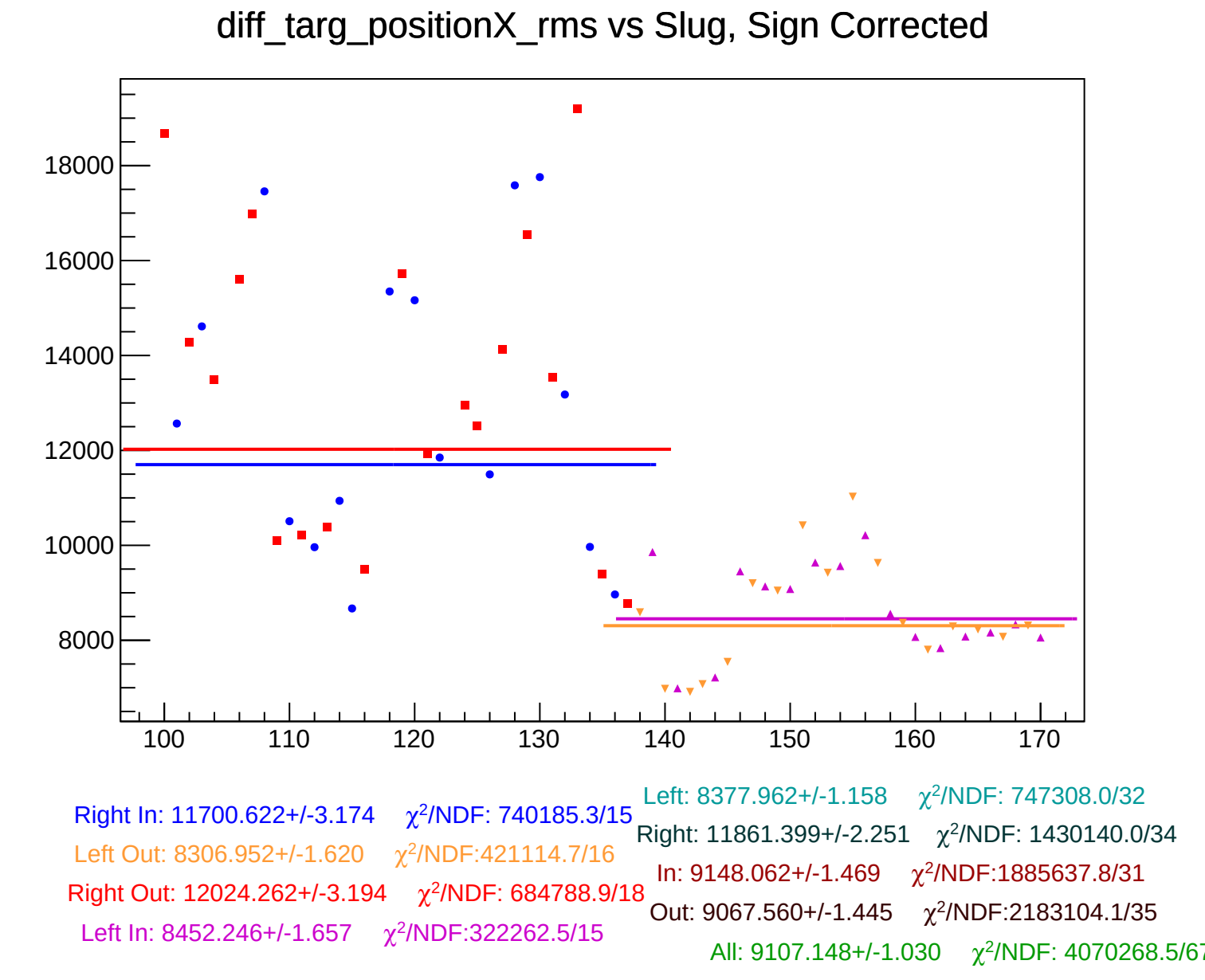
Left: -6.753+/-1.638 χ^2/NDF: 65.2/32

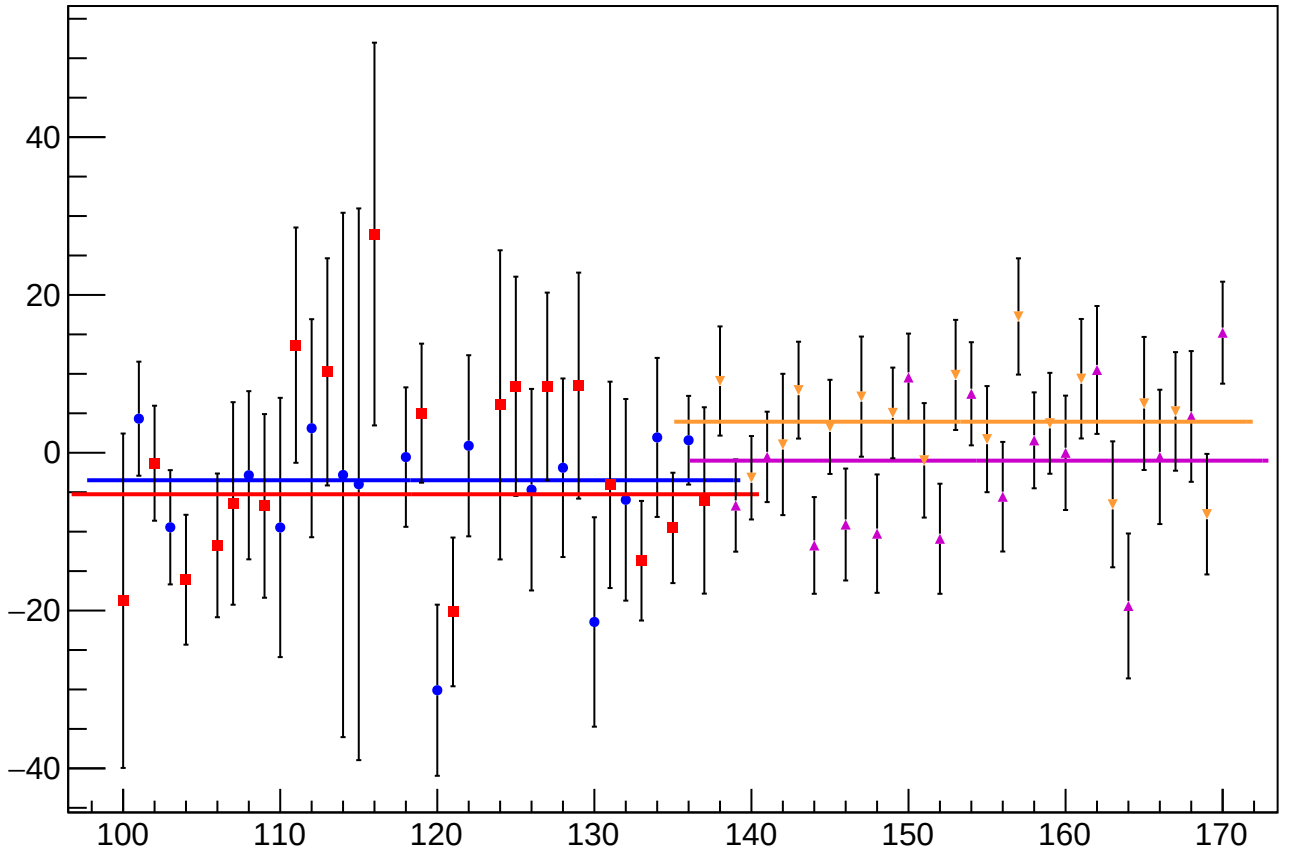
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.941+/-2.077 χ^2/NDF:39.4/31

Out: -8.052+/-2.043 χ^2/NDF:70.4/35

All: -5.047+/-1.457 χ^2/NDF: 114.2/67


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8306.952+/-1.620 χ²/NDF:421114.7/16
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8452.246+/-1.657 χ²/NDF:322262.5/15
Left: 8377.962+/-1.158 χ²/NDF: 747308.0/32
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9148.062+/-1.469 χ²/NDF:1885637.8/31
Out: 9067.560+/-1.445 χ²/NDF:2183104.1/35
All: 9107.148+/-1.030 χ²/NDF: 4070268.5/67



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.934+/-1.672 χ^2/NDF:12.4/16

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -1.001+/-1.699 χ^2/NDF:27.6/15

Left: 1.506+/-1.191 χ^2/NDF: 44.2/32

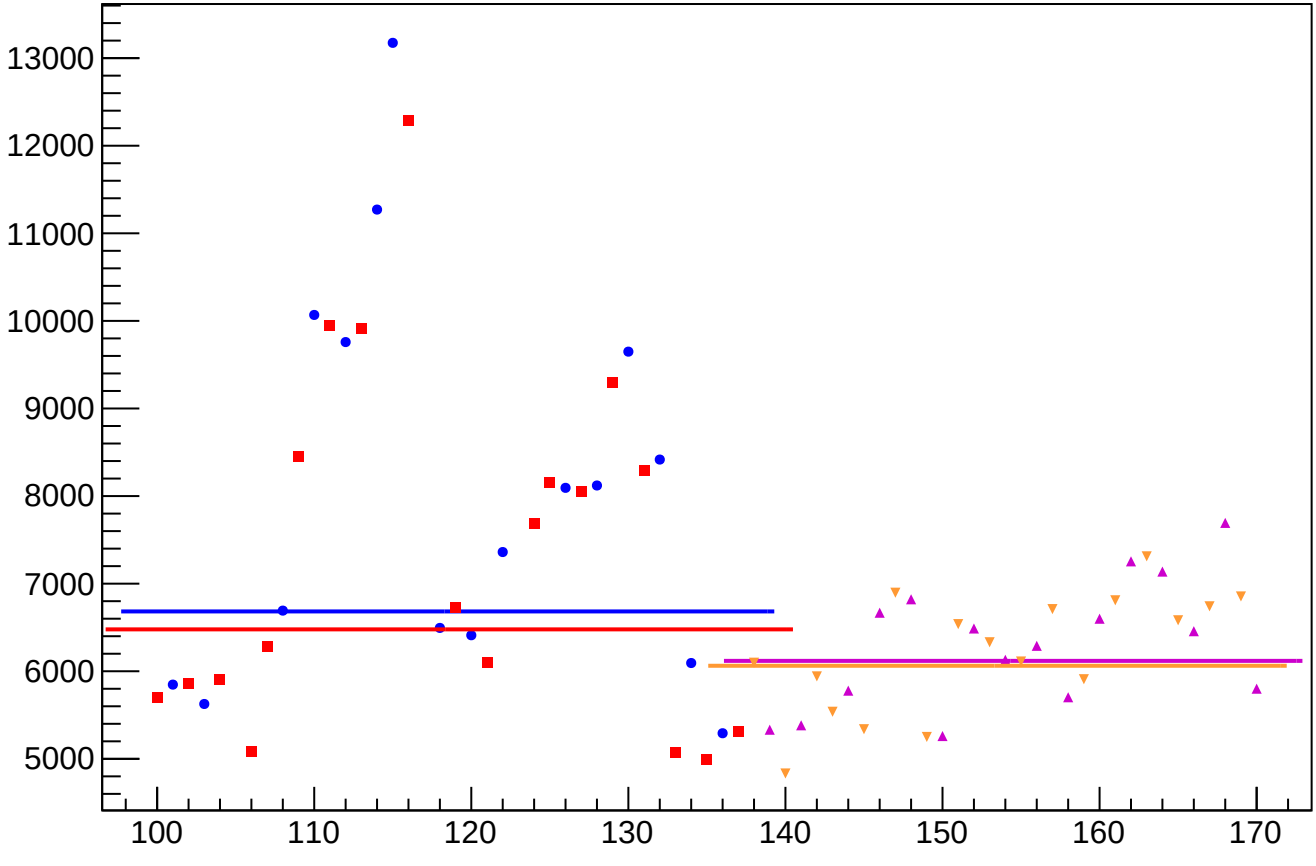
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.765+/-1.414 χ^2/NDF:39.7/31

Out: 1.008+/-1.380 χ^2/NDF:38.6/35

All: -0.345+/-0.988 χ^2/NDF: 80.3/67

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6062.640+/-1.182 χ^2/NDF:358822.1/16

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6118.567+/-1.201 χ^2/NDF:321750.7/15

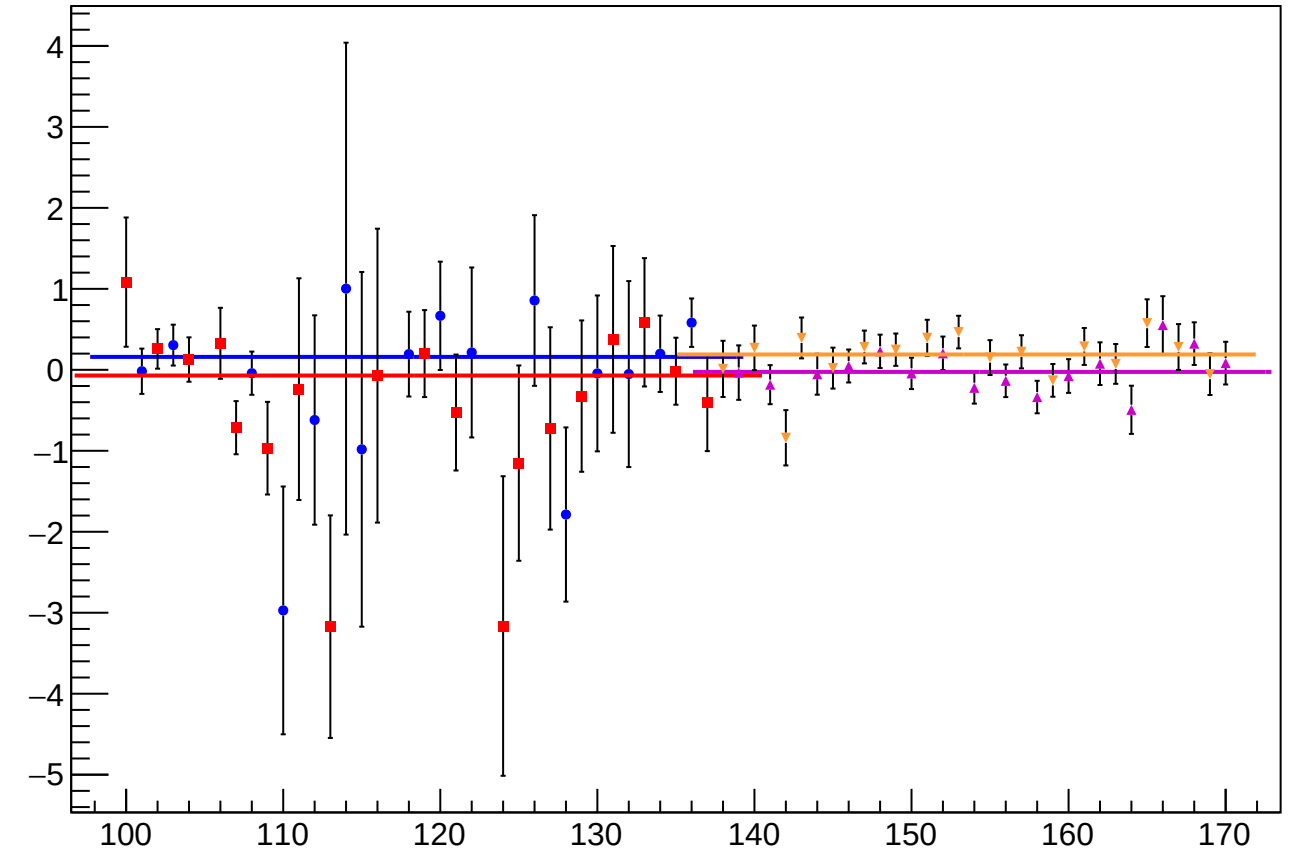
Left: 6090.151+/-0.843 χ^2/NDF: 681674.2/32

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6292.101+/-1.000 χ^2/NDF:1081828.7/31

Out: 6194.882+/-0.976 χ^2/NDF:1237378.4/35

All: 6242.322+/-0.698 χ^2/NDF: 2324049.8/67



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.190+/-0.058 χ^2/NDF:19.3/16

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.026+/-0.058 χ^2/NDF:14.3/15

Left: 0.082+/-0.041 χ^2/NDF: 40.5/32

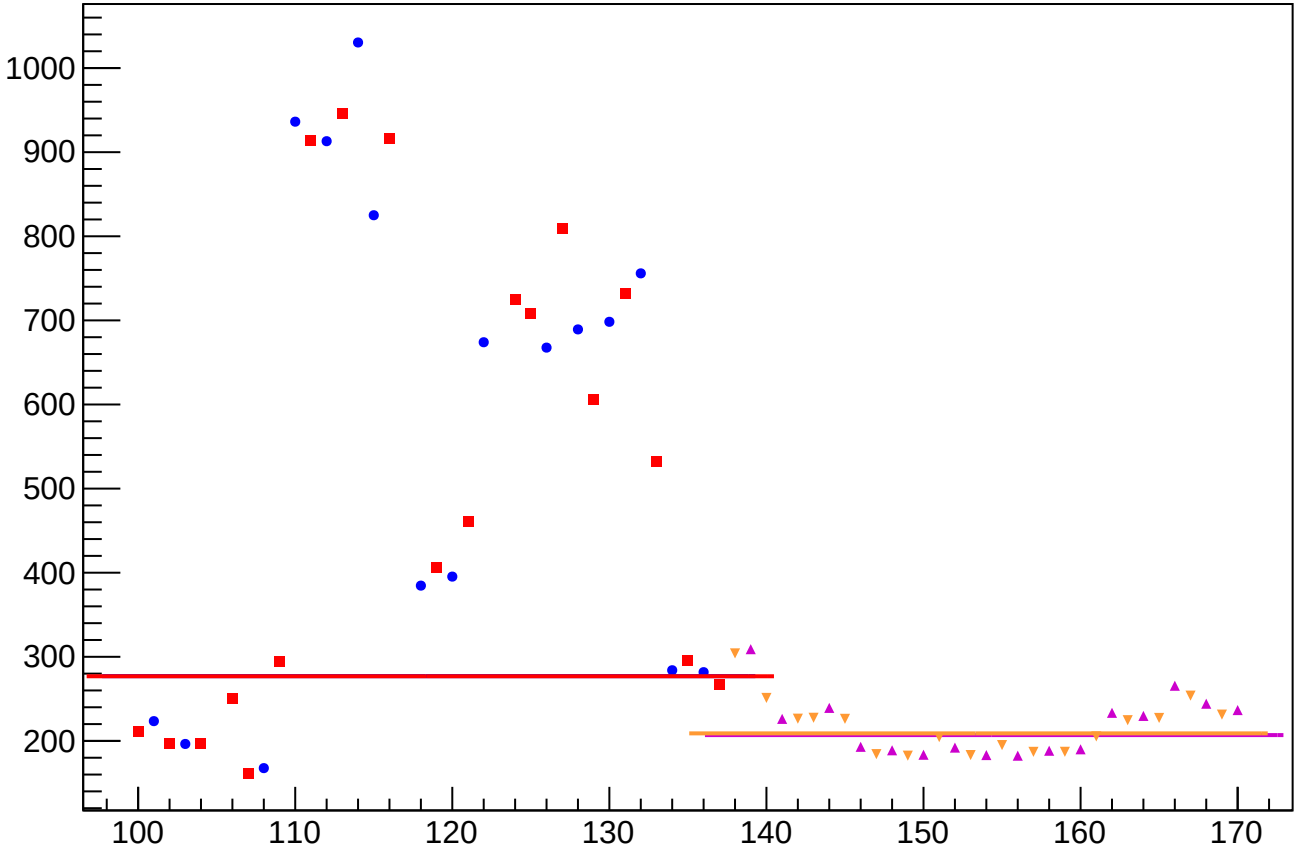
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.009+/-0.052 χ^2/NDF:28.8/31

Out: 0.141+/-0.052 χ^2/NDF:45.5/35

All: 0.075+/-0.037 χ^2/NDF: 77.5/67

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 208.963+/-0.041 χ^2/NDF:457423.3/16

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 206.919+/-0.041 χ^2/NDF:535148.0/15

Left: 207.941+/-0.029 χ^2/NDF: 993826.6/32

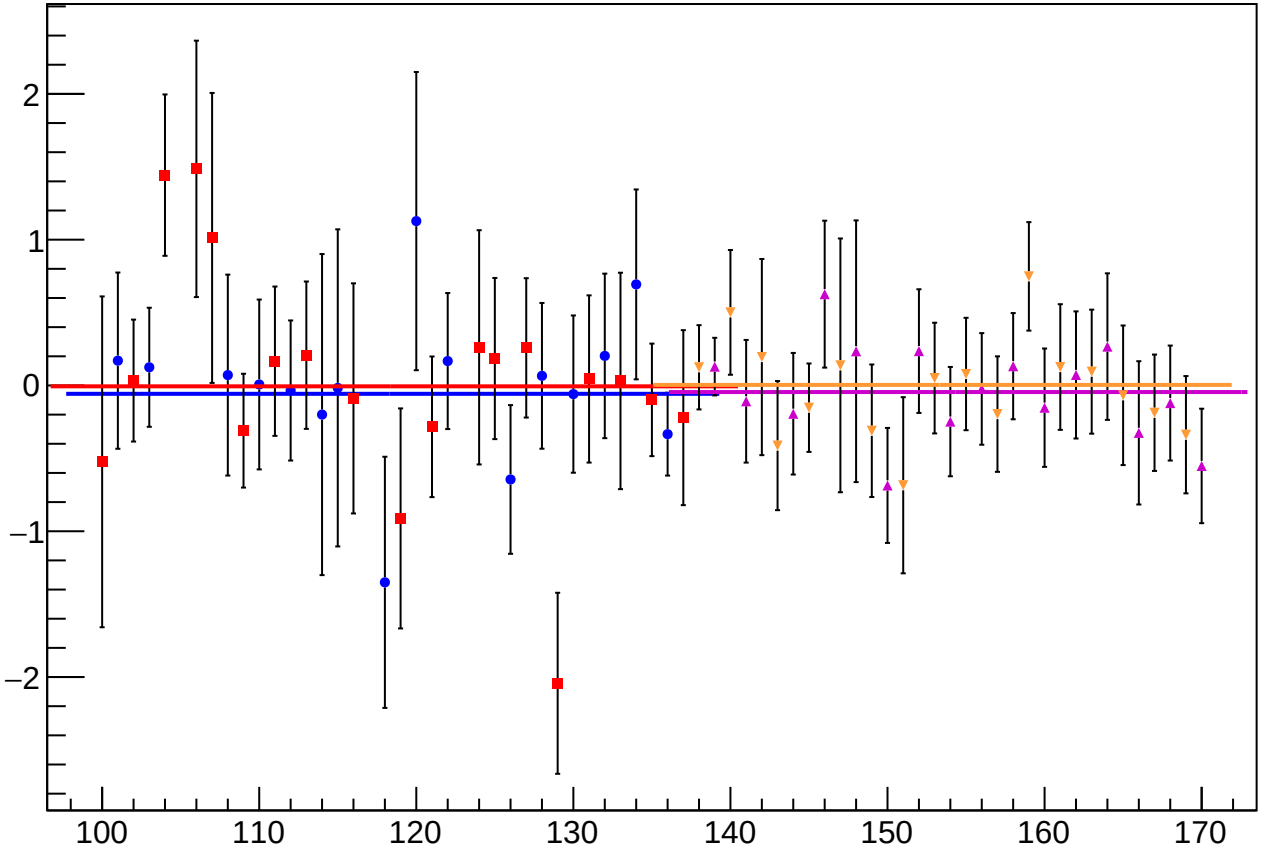
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 220.153+/-0.037 χ^2/NDF:4543179.7/31

Out: 221.766+/-0.037 χ^2/NDF:4551302.8/35

All: 220.959+/-0.026 χ^2/NDF: 9095445.3/67

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.004+/-0.100 χ^2/NDF:10.0/16

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.045+/-0.096 χ^2/NDF:9.0/15

Left: -0.022+/-0.069 χ^2/NDF: 19.1/32

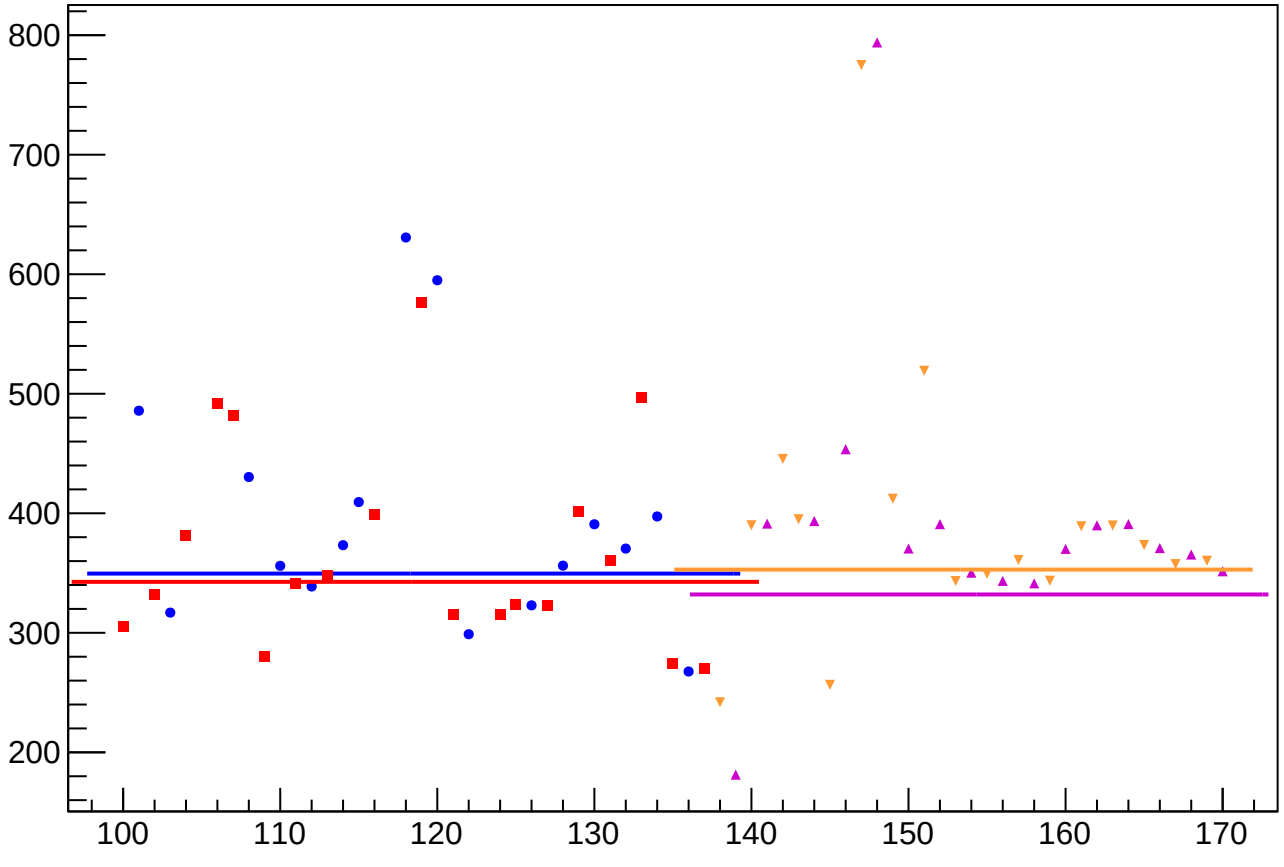
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.049+/-0.078 χ^2/NDF:17.1/31

Out: 0.000+/-0.079 χ^2/NDF:35.1/35

All: -0.025+/-0.056 χ^2/NDF: 52.4/67

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.903+/-0.071 χ^2/NDF:1261745.6/16

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 332.084+/-0.068 χ^2/NDF:2070993.0/15

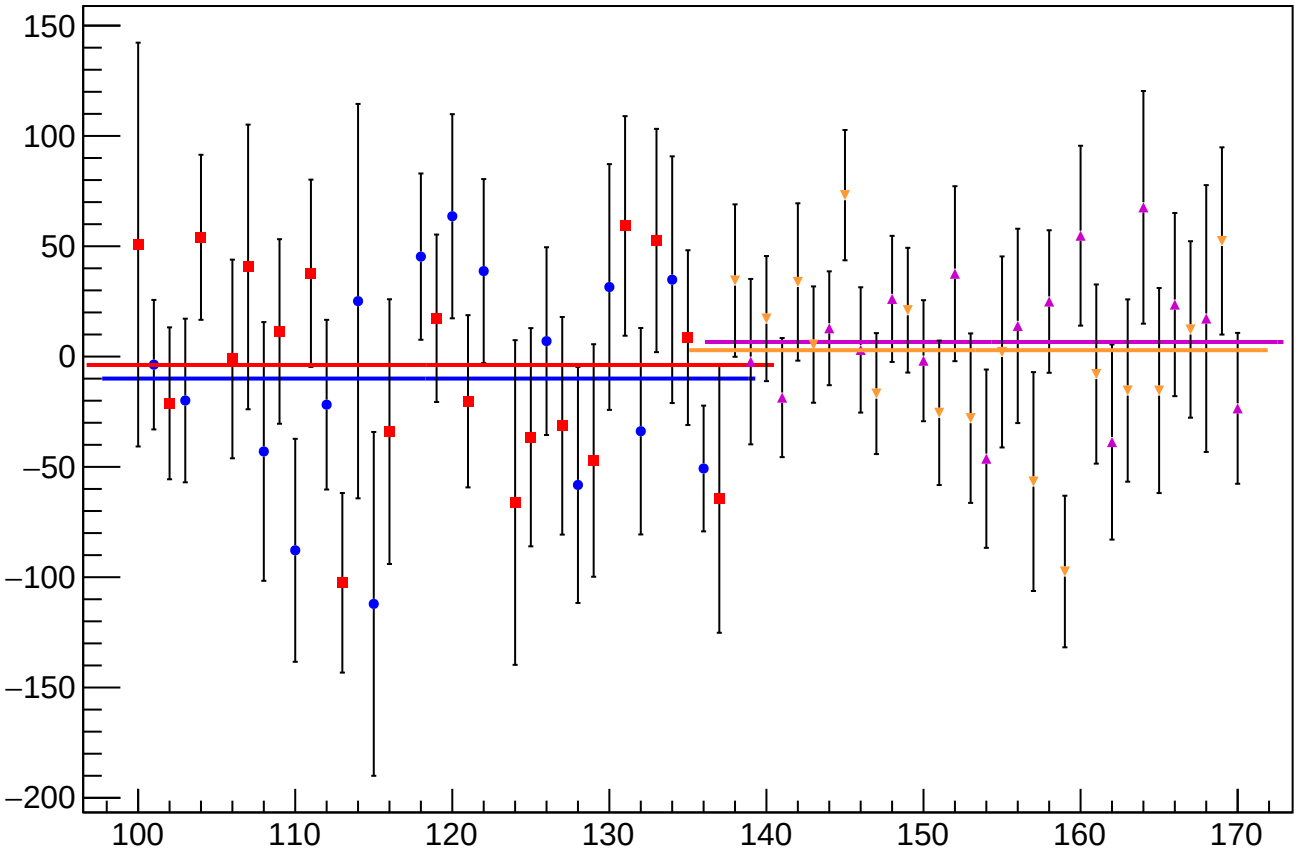
Left: 342.068+/-0.049 χ^2/NDF: 3377636.1/32

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 338.041+/-0.055 χ^2/NDF:2792785.0/31

Out: 349.037+/-0.056 χ^2/NDF:1845401.7/35

All: 343.468+/-0.039 χ^2/NDF: 4657742.1/67



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.889+/-8.371 χ^2/NDF:21.6/16

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.607+/-8.676 χ^2/NDF:9.0/15

Left: 4.682+/-6.024 χ^2/NDF: 30.7/32

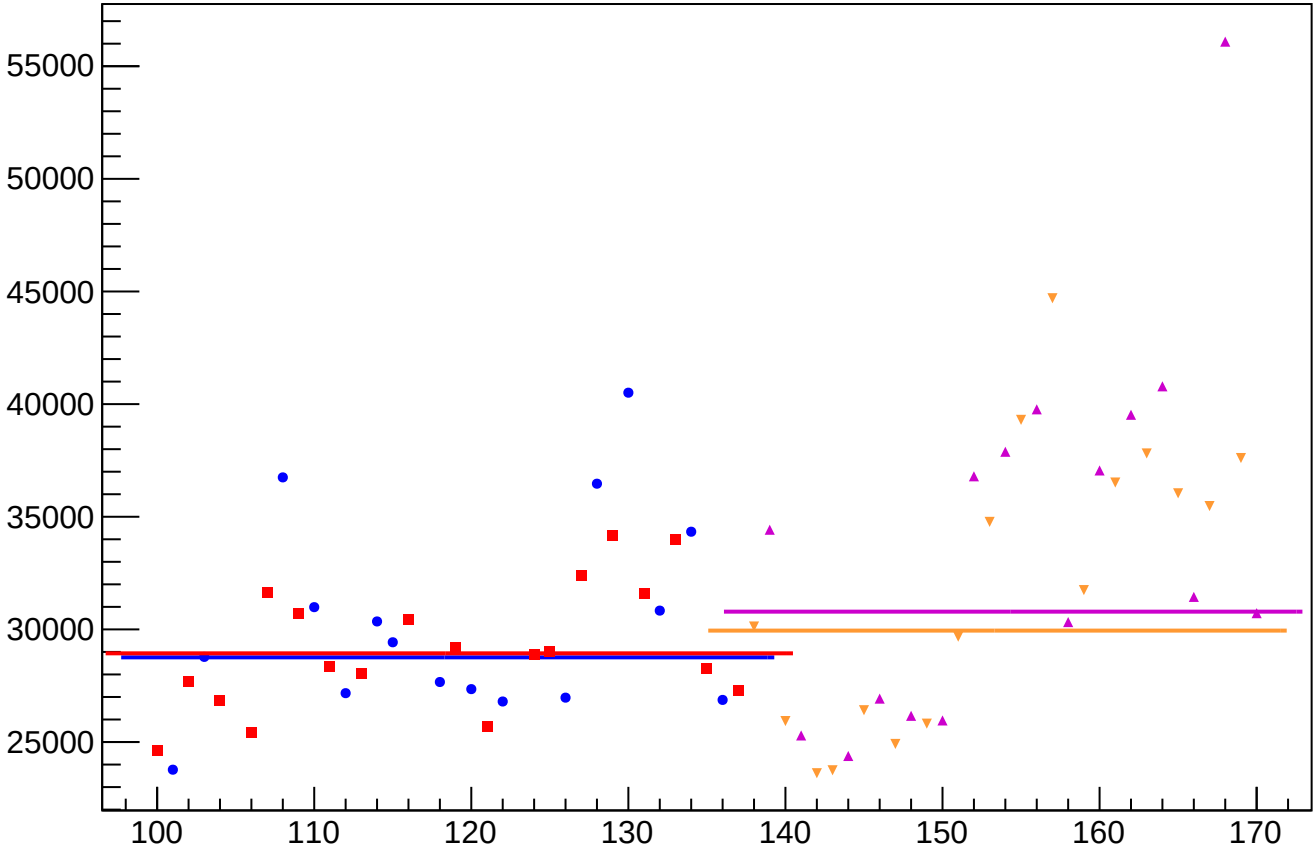
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 0.325+/-6.578 χ^2/NDF:39.2/35

All: 0.231+/-4.719 χ^2/NDF: 64.9/67

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29946.685+/-5.919 χ^2/NDF:922753.1/16

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30787.672+/-6.135 χ^2/NDF:1115591.5/15

Left: 30352.122+/-4.260 χ^2/NDF: 2048076.2/32

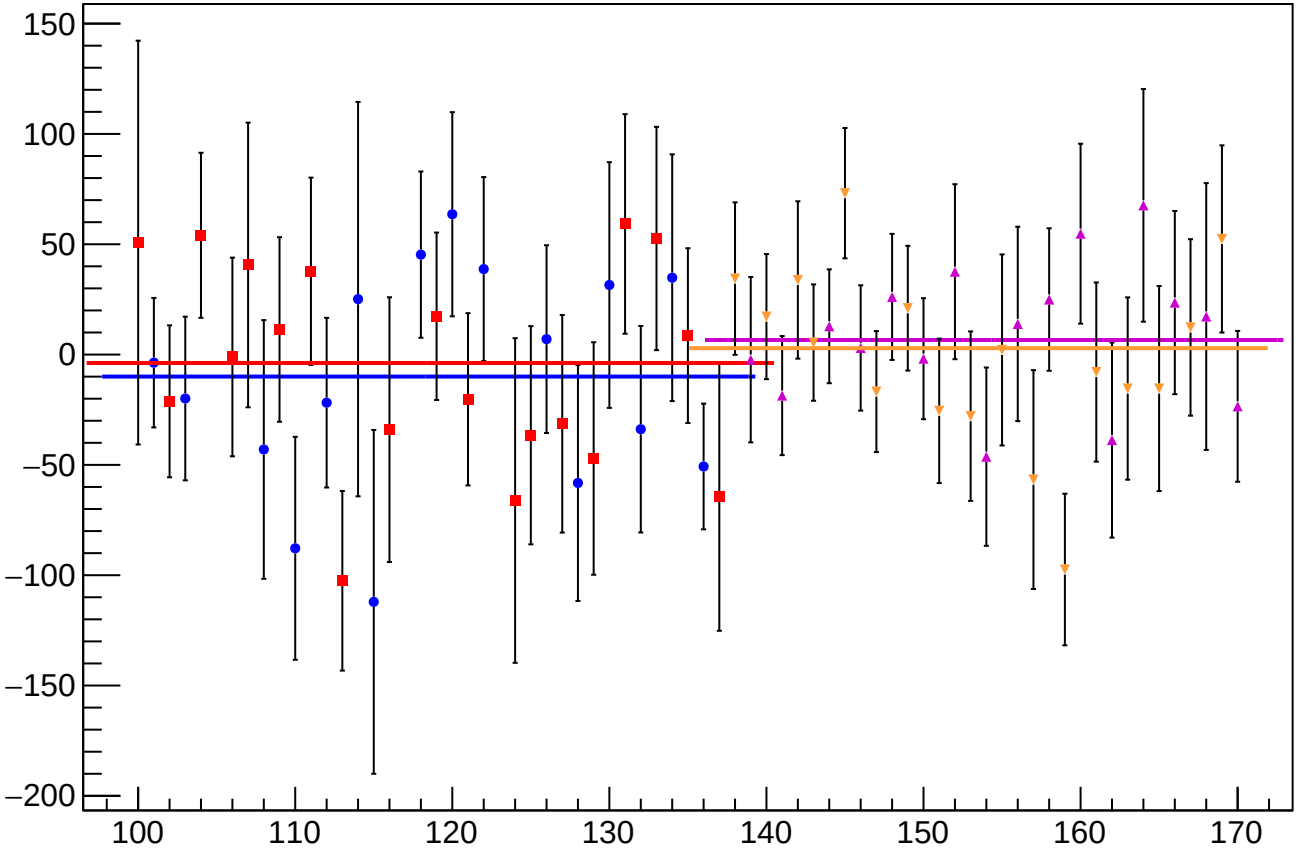
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29995.217+/-4.789 χ^2/NDF:1435941.0/31

Out: 29560.729+/-4.651 χ^2/NDF:1040134.4/35

All: 29771.636+/-3.337 χ^2/NDF: 2480310.9/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.889+/-8.371 χ^2/NDF:21.6/16

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.607+/-8.676 χ^2/NDF:9.0/15

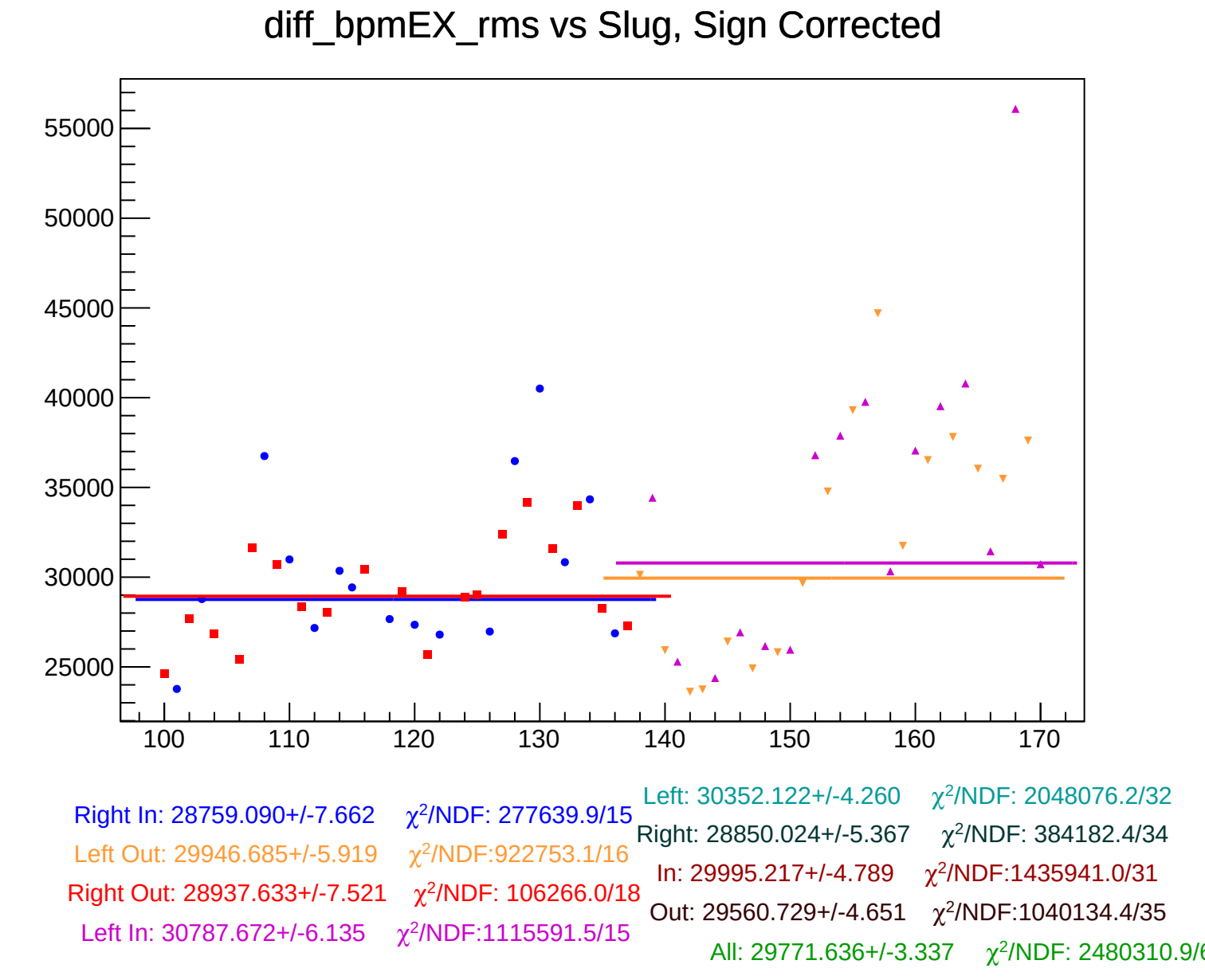
Left: 4.682+/-6.024 χ^2/NDF: 30.7/32

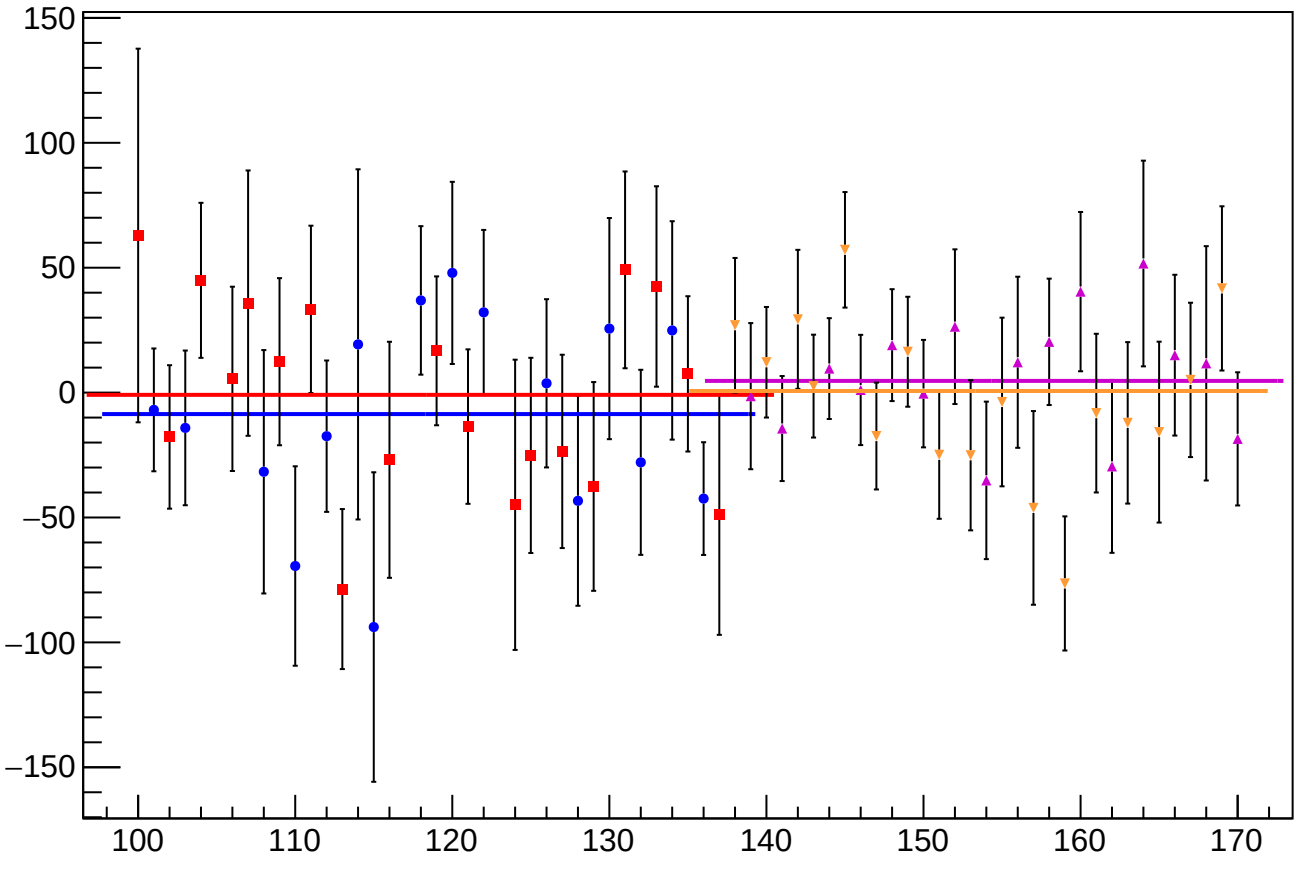
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

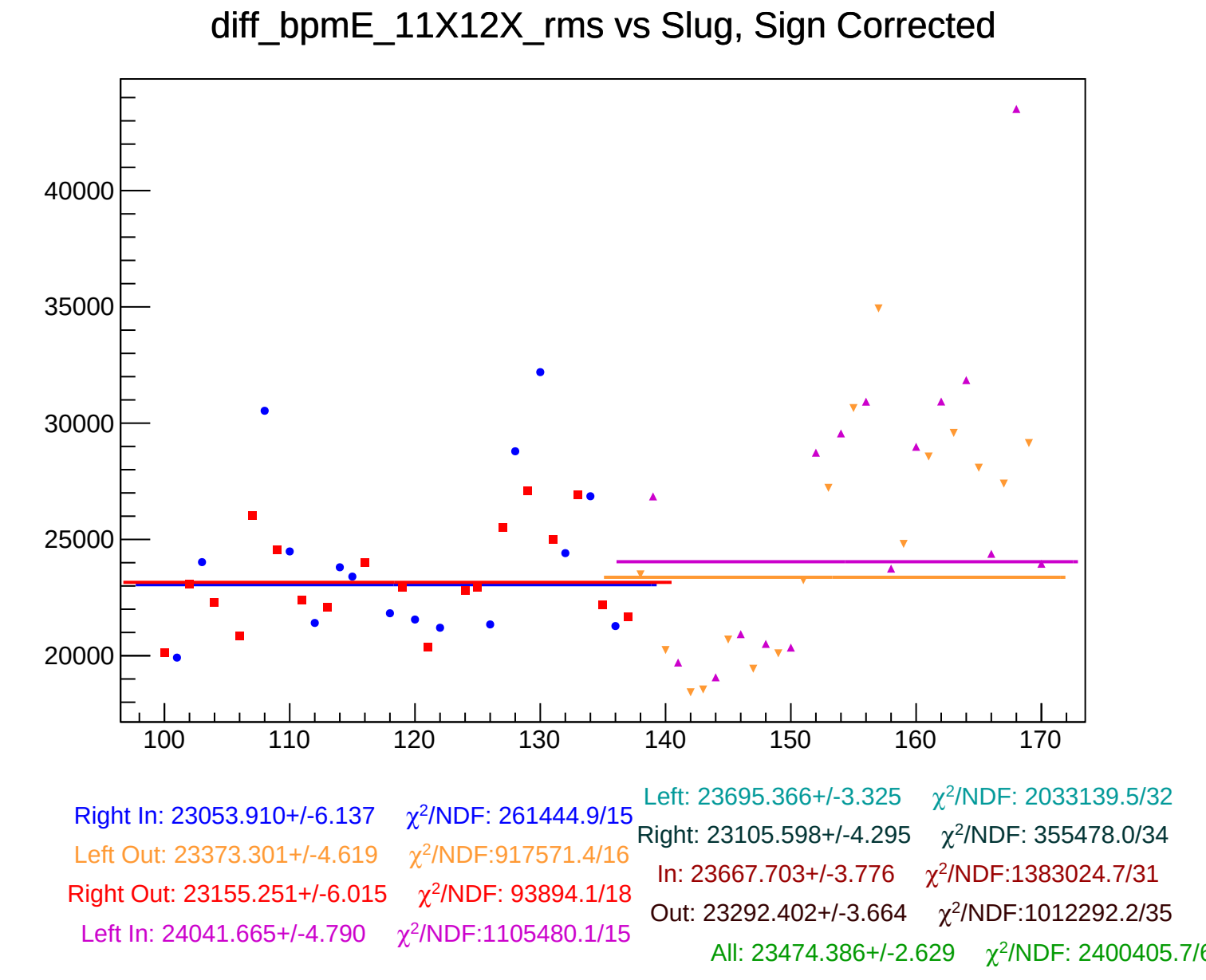
In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 0.325+/-6.578 χ^2/NDF:39.2/35

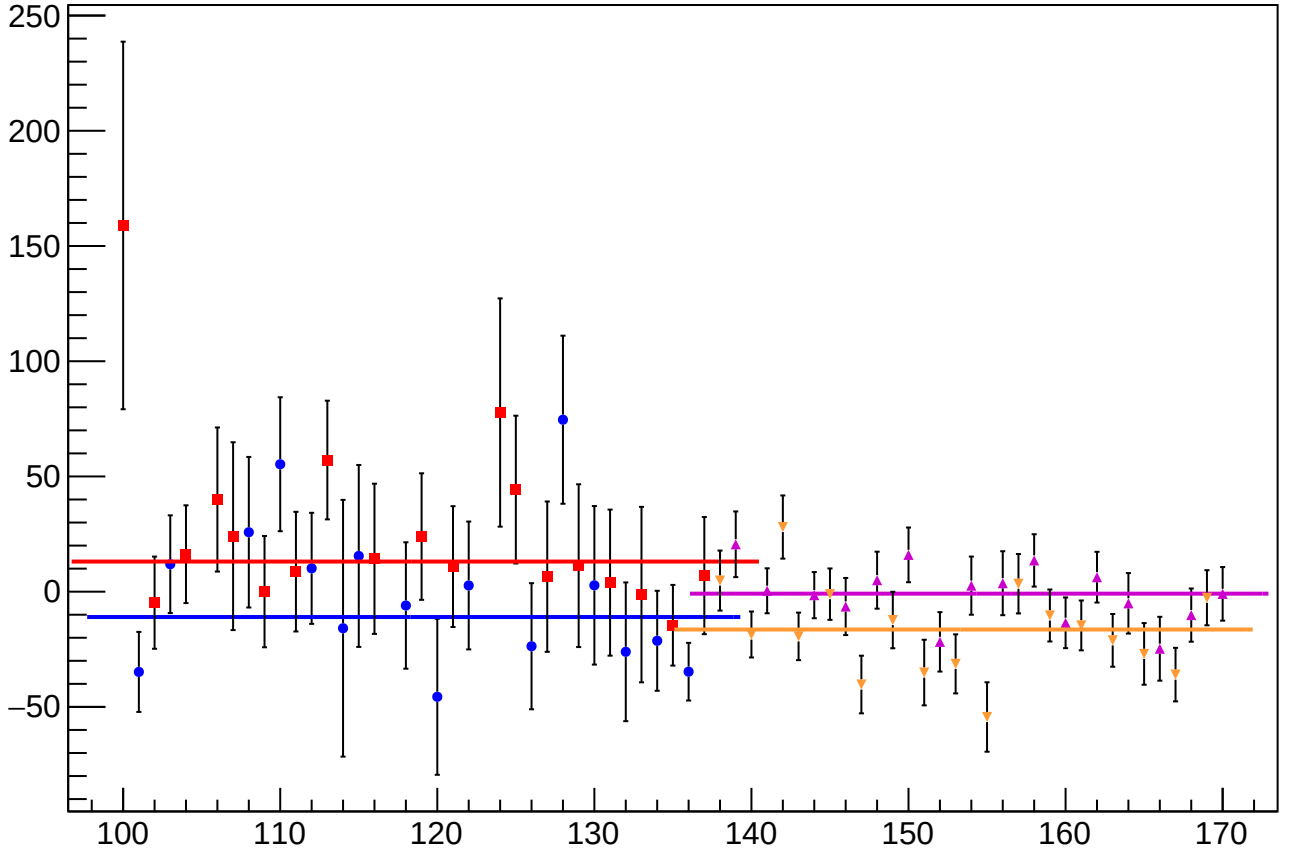
All: 0.231+/-4.719 χ^2/NDF: 64.9/67


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: 29946.685+/-5.919 χ²/NDF:922753.1/16
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30787.672+/-6.135 χ²/NDF:1115591.5/15
Left: 30352.122+/-4.260 χ²/NDF: 2048076.2/32
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29995.217+/-4.789 χ²/NDF:1435941.0/31
Out: 29560.729+/-4.651 χ²/NDF:1040134.4/35
All: 29771.636+/-3.337 χ²/NDF: 2480310.9/6


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: 0.641+/-6.533 χ²/NDF:22.9/16
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 4.685+/-6.774 χ²/NDF:8.4/15
Left: 2.590+/-4.702 χ²/NDF: 31.5/32
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.344+/-5.340 χ²/NDF:25.3/31
Out: 0.068+/-5.181 χ²/NDF:40.6/35
All: -0.132+/-3.718 χ²/NDF: 65.9/67


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23373.301+/-4.619 χ²/NDF:917571.4/16
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24041.665+/-4.790 χ²/NDF:1105480.1/15
Left: 23695.366+/-3.325 χ²/NDF: 2033139.5/32
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23667.703+/-3.776 χ²/NDF:1383024.7/31
Out: 23292.402+/-3.664 χ²/NDF:1012292.2/35
All: 23474.386+/-2.629 χ²/NDF: 2400405.7/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -16.424+/-2.920 χ^2/NDF:36.0/16

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: -0.860+/-2.972 χ^2/NDF:14.6/15

Left: -8.779+/-2.083 χ^2/NDF: 64.6/32

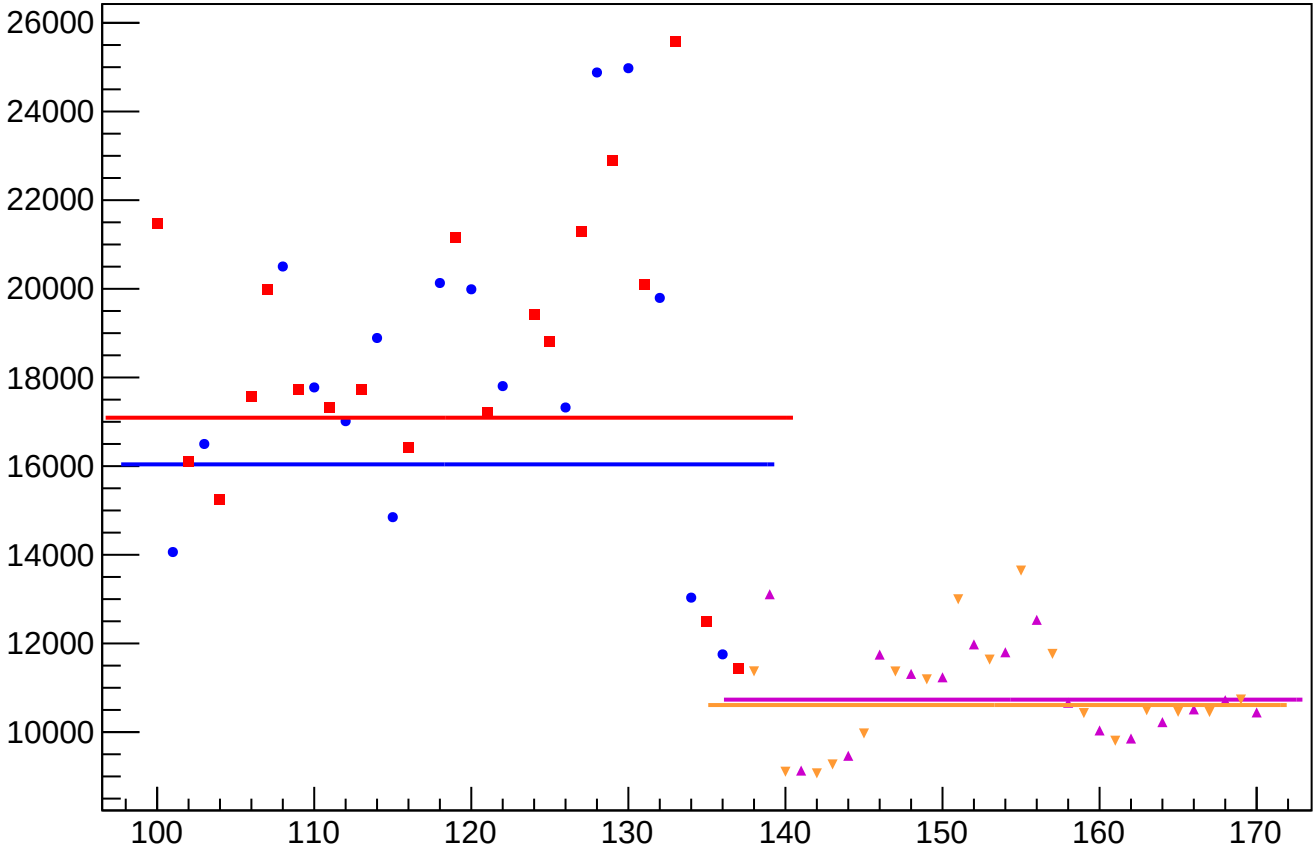
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.778+/-2.676 χ^2/NDF:38.8/31

Out: -11.318+/-2.655 χ^2/NDF:67.6/35

All: -7.082+/-1.885 χ^2/NDF: 111.5/67

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10610.569+/-2.065 χ^2/NDF:308495.2/16

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10732.558+/-2.102 χ^2/NDF:255073.3/15

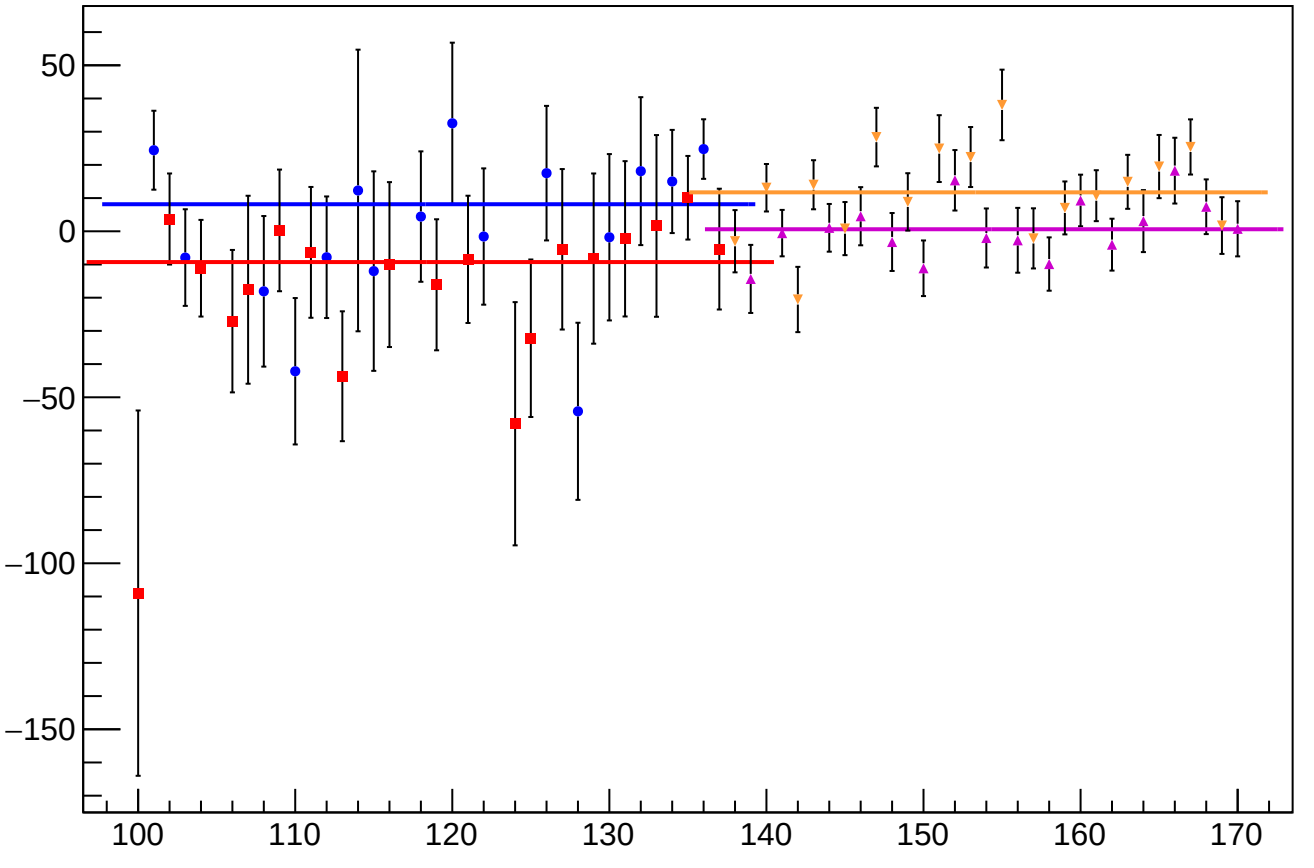
Left: 10670.486+/-1.473 χ^2/NDF: 565283.1/32

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11736.097+/-1.892 χ^2/NDF:2183747.2/31

Out: 11732.648+/-1.878 χ^2/NDF:2550082.2/35

All: 11734.359+/-1.333 χ^2/NDF: 4733831.1/6



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.730+/-2.077 χ^2/NDF:35.8/16

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: 0.614+/-2.112 χ^2/NDF:14.6/15

Left: 6.263+/-1.481 χ^2/NDF: 64.4/32

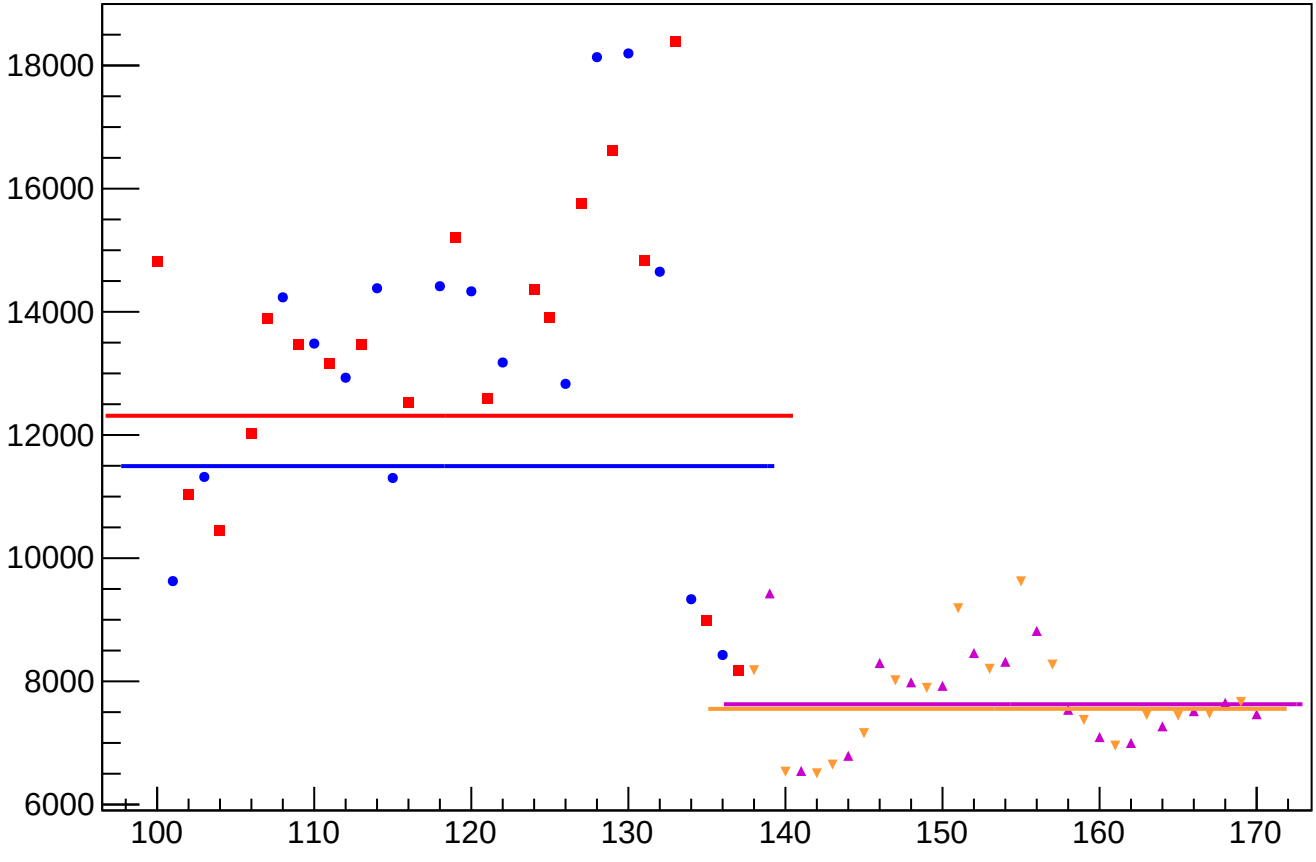
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.013+/-1.906 χ^2/NDF:38.7/31

Out: 8.182+/-1.894 χ^2/NDF:66.9/35

All: 5.117+/-1.343 χ^2/NDF: 110.9/67

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7553.313+/-1.469 χ^2/NDF:281490.8/16

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7628.315+/-1.493 χ^2/NDF:239410.0/15

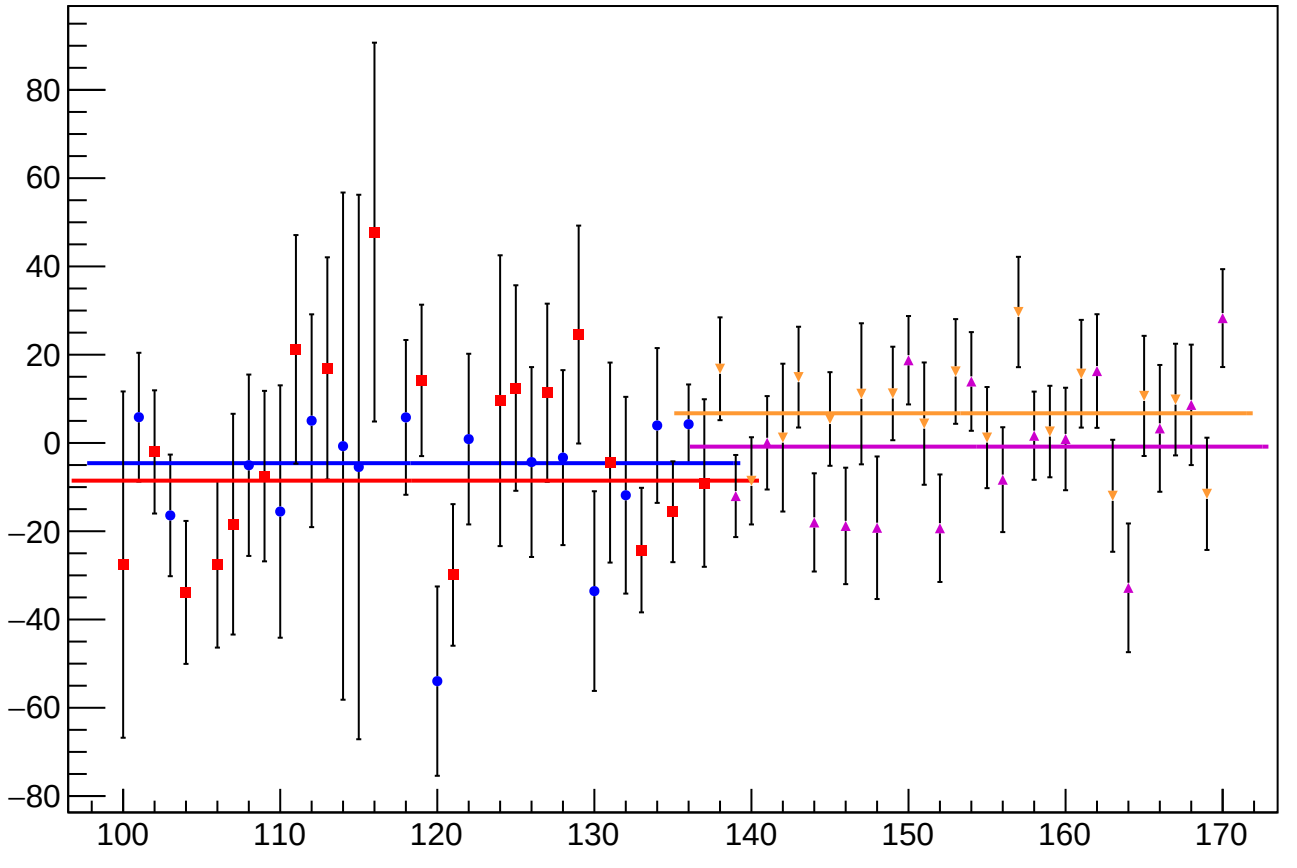
Left: 7590.199+/-1.047 χ^2/NDF: 522182.8/32

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

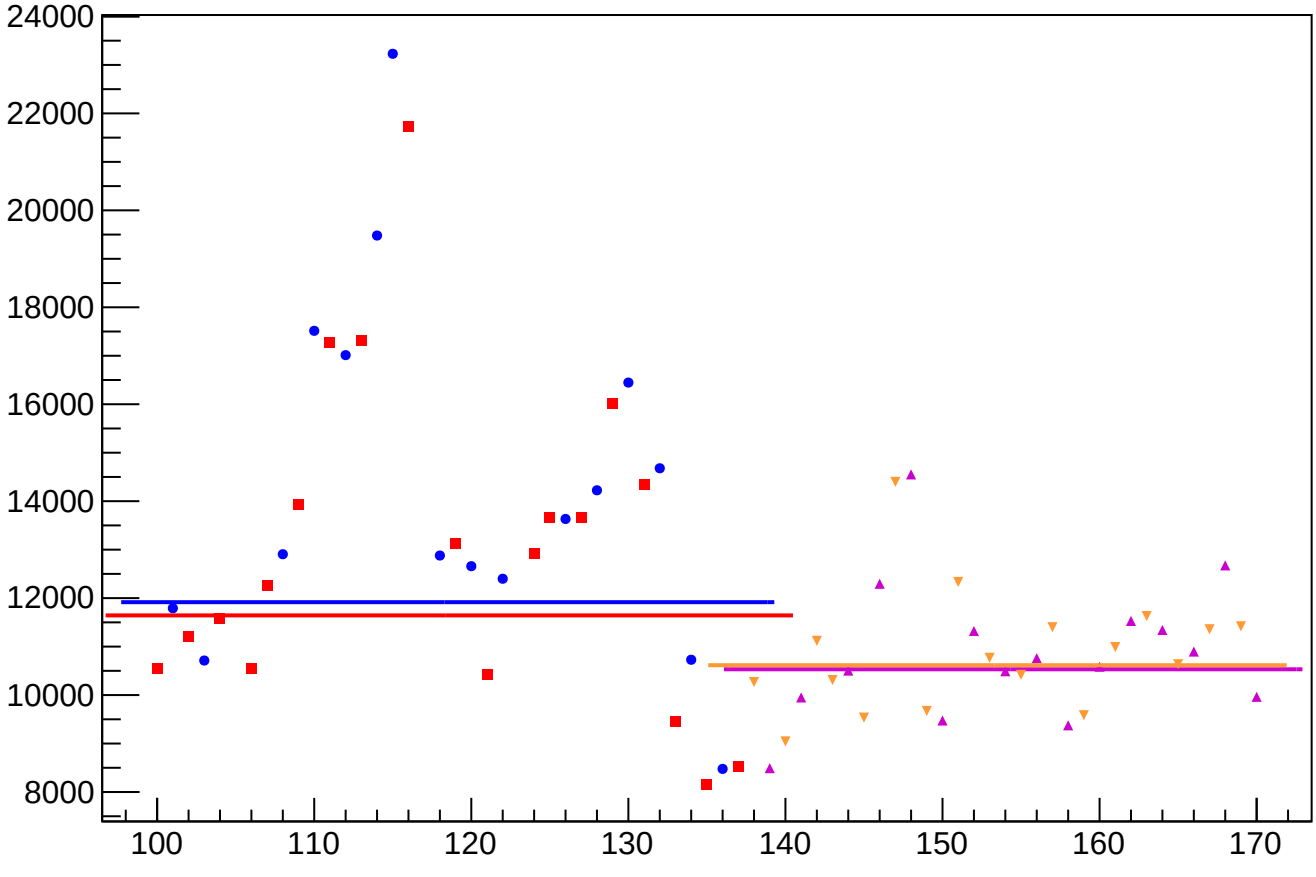
In: 8346.195+/-1.348 χ^2/NDF:2274219.7/31

Out: 8357.493+/-1.339 χ^2/NDF:2653819.0/35

All: 8351.880+/-0.950 χ^2/NDF: 4928074.1/67


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 6.726+/-2.924 χ²/NDF:13.4/16
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -0.831+/-2.930 χ²/NDF:29.4/15
Left: 2.956+/-2.070 χ²/NDF: 46.1/32
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -1.929+/-2.464 χ²/NDF:40.1/31
Out: 2.039+/-2.434 χ²/NDF:38.9/35
All: 0.080+/-1.732 χ²/NDF: 80.3/67

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10616.094+/-2.068 χ^2/NDF:293227.6/16

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10531.970+/-2.072 χ^2/NDF:394273.8/15

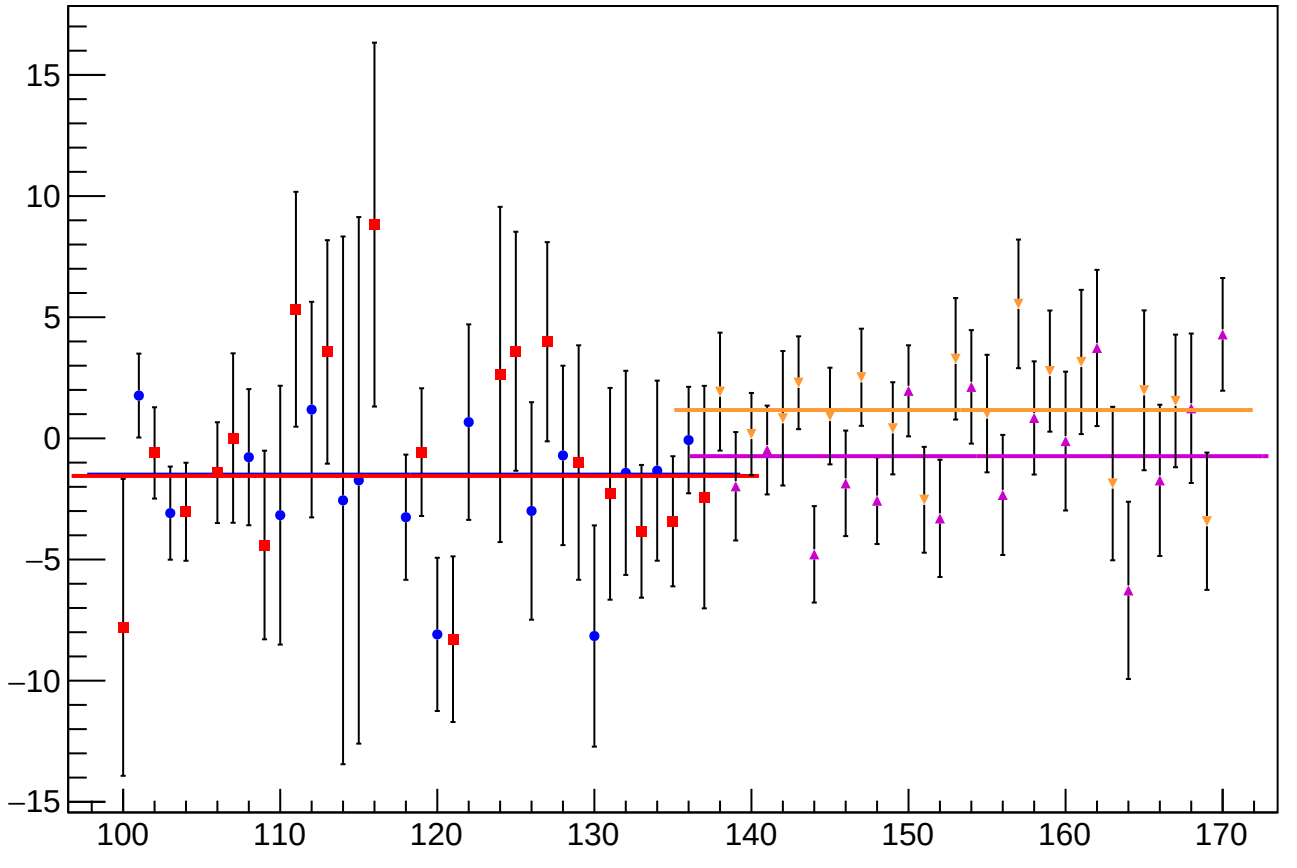
Left: 10574.124+/-1.464 χ^2/NDF: 688327.3/32

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10937.346+/-1.743 χ^2/NDF:1274749.5/31

Out: 10931.635+/-1.721 χ^2/NDF:1159429.9/35

All: 10934.455+/-1.225 χ^2/NDF: 2434184.8/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.170+/-0.568 χ^2/NDF:12.2/16

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.735+/-0.583 χ^2/NDF:20.8/15

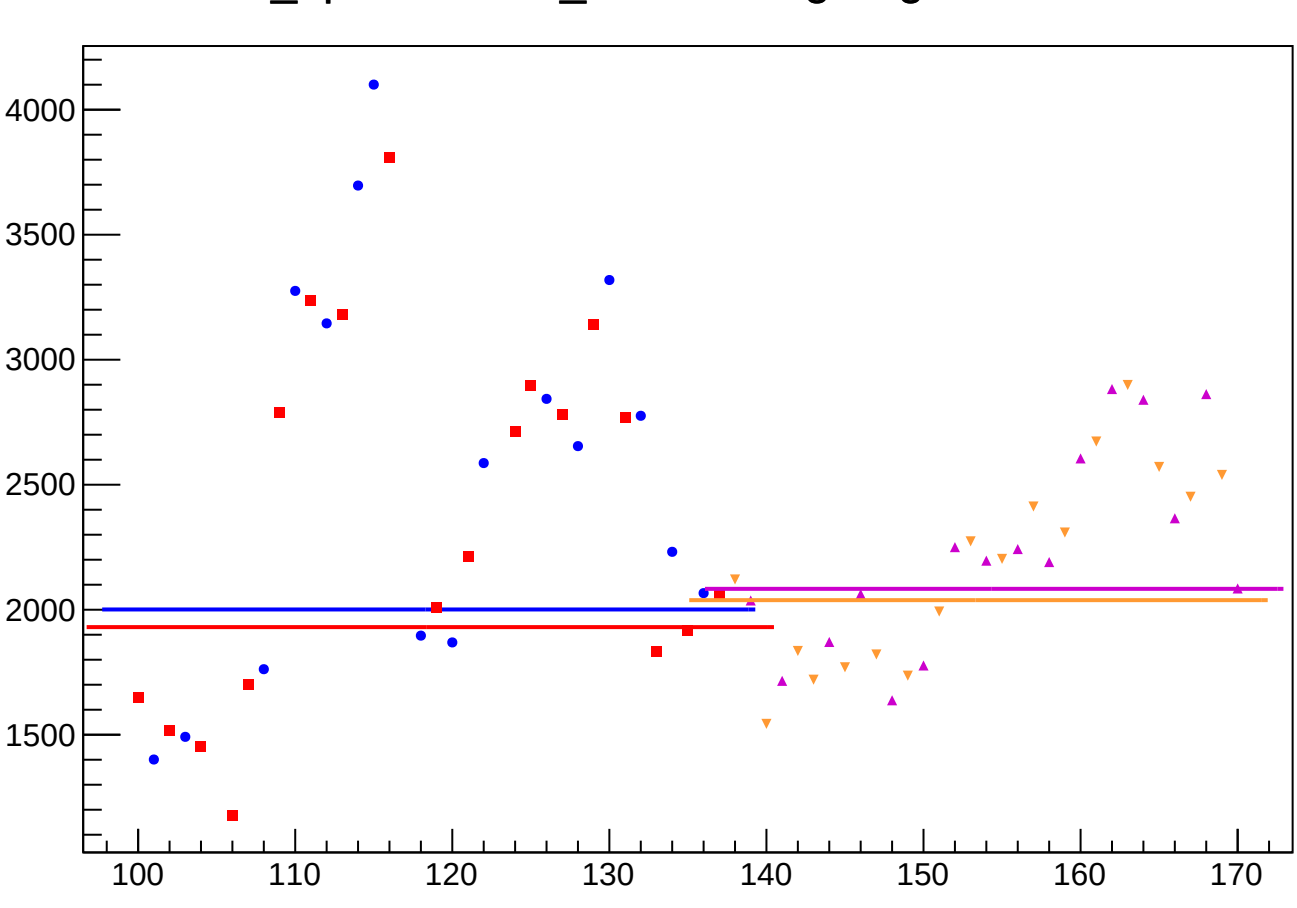
Left: 0.242+/-0.407 χ^2/NDF: 38.5/32

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.009+/-0.467 χ^2/NDF:34.0/31

Out: 0.169+/-0.452 χ^2/NDF:36.9/35

All: -0.401+/-0.325 χ^2/NDF: 74.2/67



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2038.277+/-0.402 χ^2/NDF:838796.4/16

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2083.513+/-0.412 χ^2/NDF:726860.2/15

Left: 2060.299+/-0.288 χ^2/NDF: 1571831.6/32

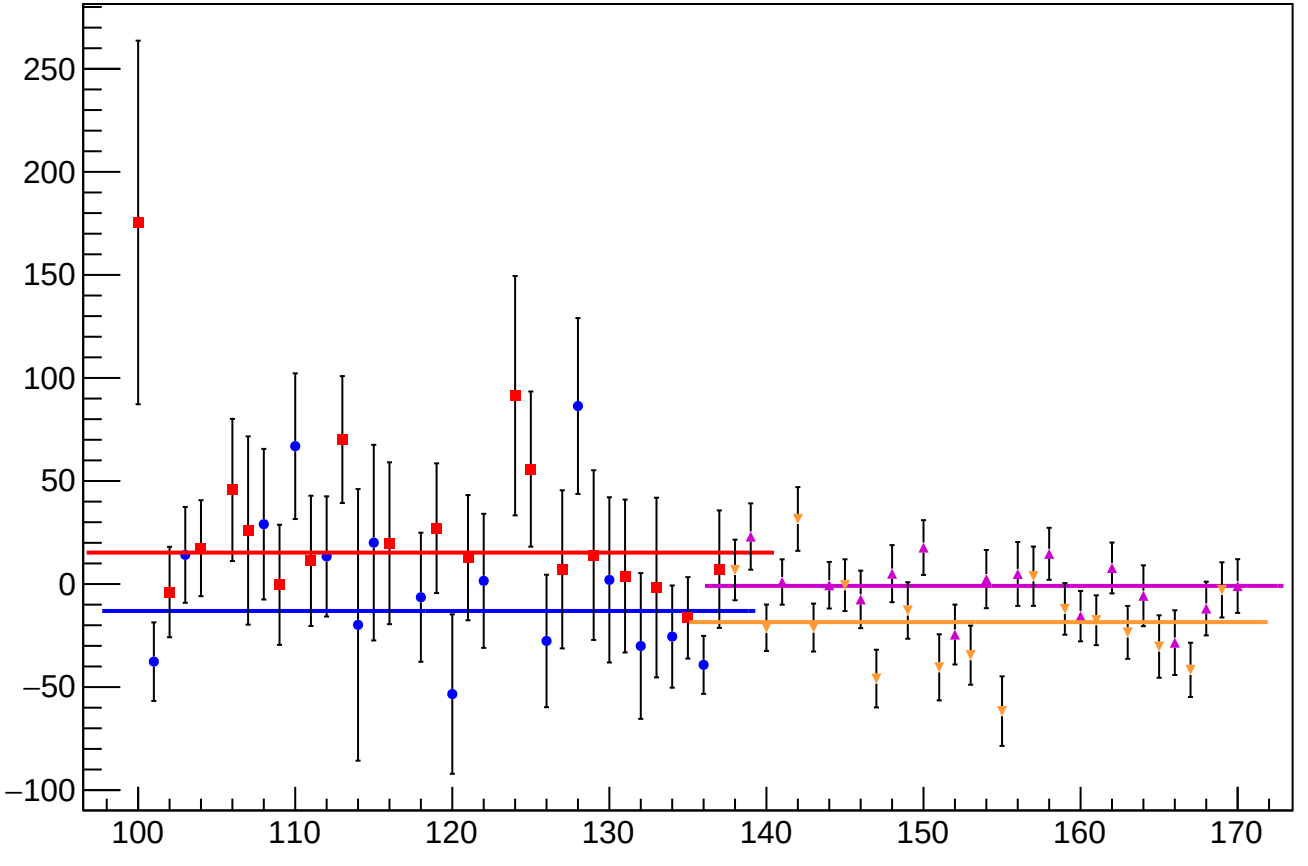
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2053.840+/-0.330 χ^2/NDF:1931041.6/31

Out: 1998.598+/-0.319 χ^2/NDF:2268871.9/35

All: 2025.311+/-0.229 χ^2/NDF: 4214384.7/67

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -18.471+/-3.281 χ^2/NDF:37.1/16

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -0.901+/-3.336 χ^2/NDF:14.8/15

Left: -9.833+/-2.339 χ^2/NDF: 66.0/32

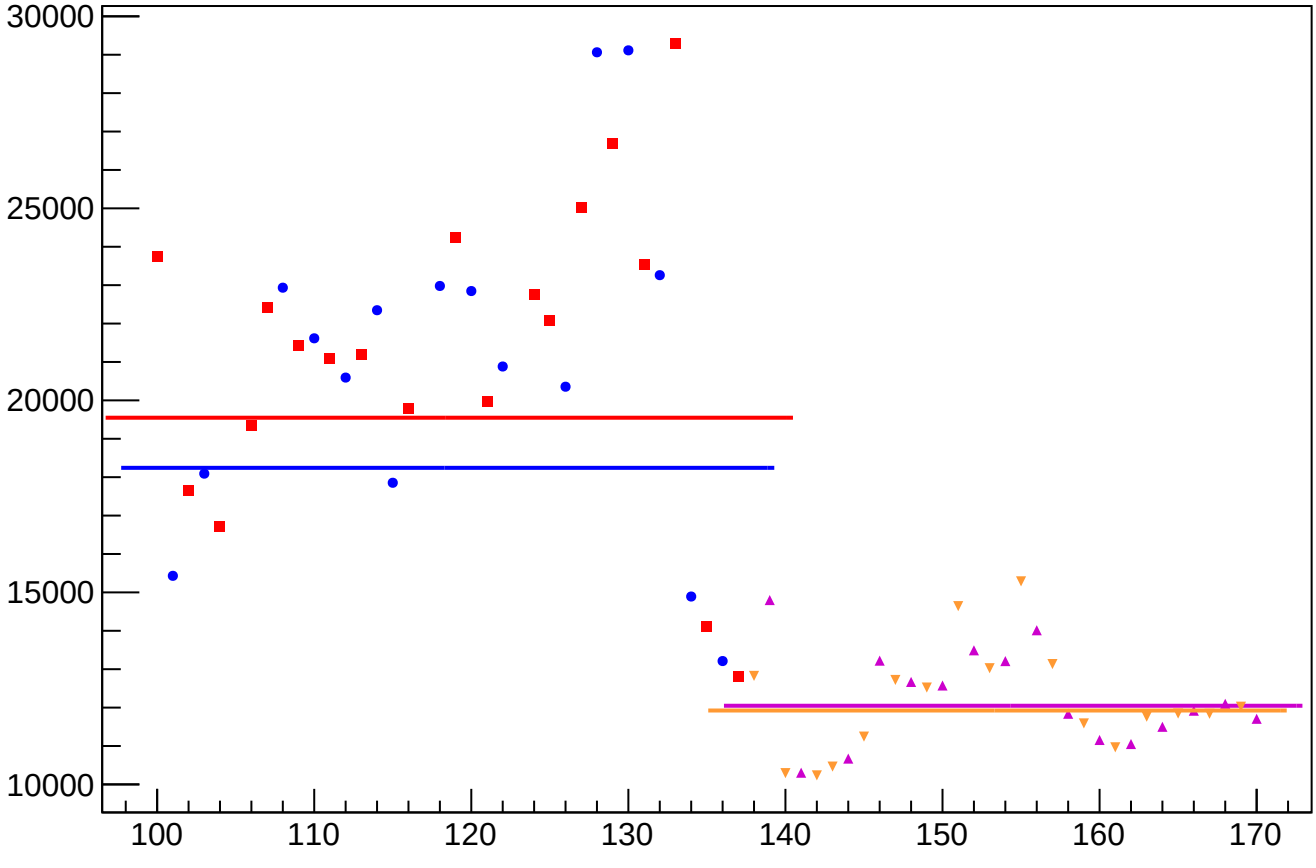
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -3.139+/-3.014 χ^2/NDF:39.1/31

Out: -12.831+/-2.994 χ^2/NDF:69.2/35

All: -8.017+/-2.124 χ^2/NDF: 113.5/67

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11924.349+/-2.320 χ^2/NDF:298119.3/16

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12048.312+/-2.359 χ^2/NDF:253568.0/15

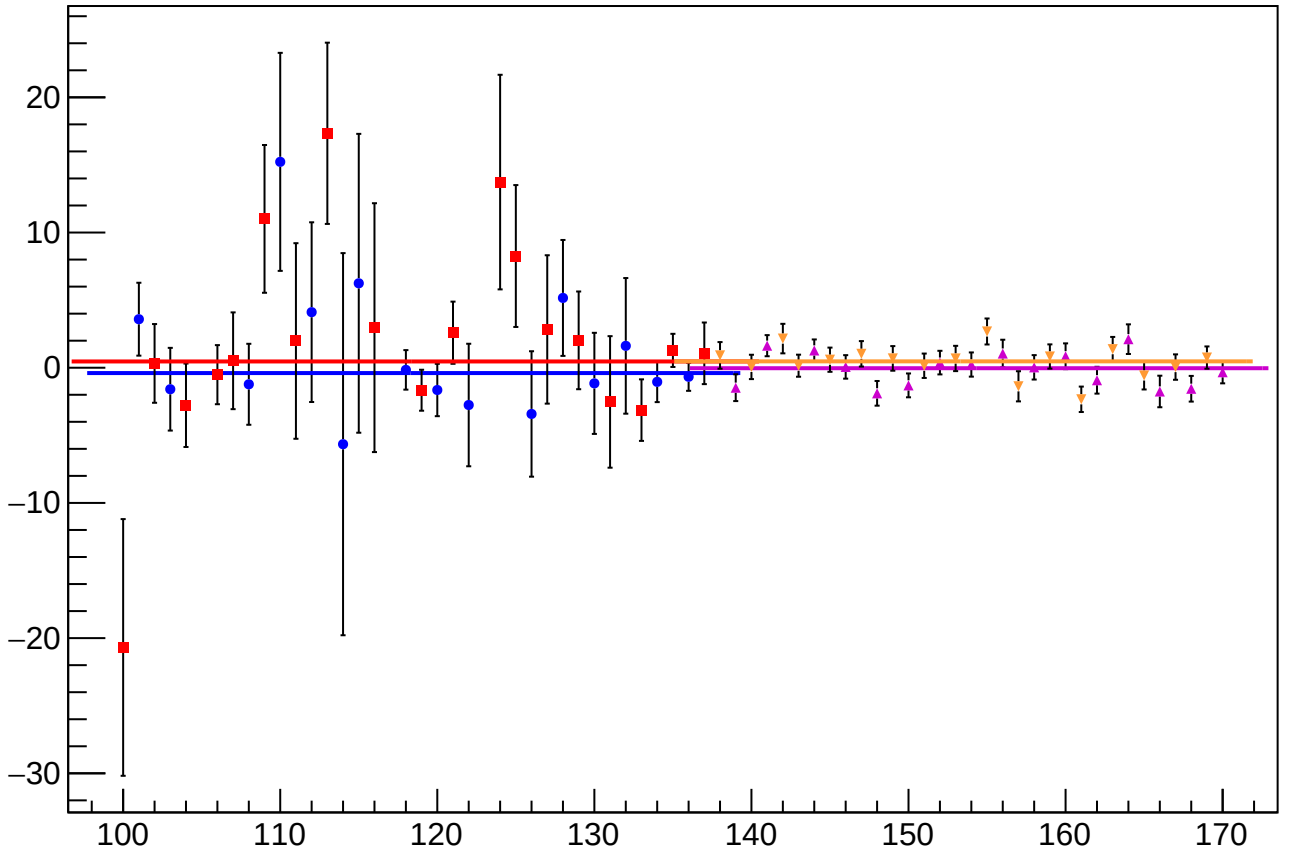
Left: 11985.290+/-1.654 χ^2/NDF: 553091.0/32

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13188.107+/-2.131 χ^2/NDF:2342073.7/31

Out: 13199.495+/-2.117 χ^2/NDF:2726241.7/35

All: 13193.839+/-1.502 χ^2/NDF: 5068329.8/6



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.472+/-0.226 χ^2/NDF:23.0/16

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.036+/-0.229 χ^2/NDF:27.3/15

Left: 0.222+/-0.161 χ^2/NDF: 52.8/32

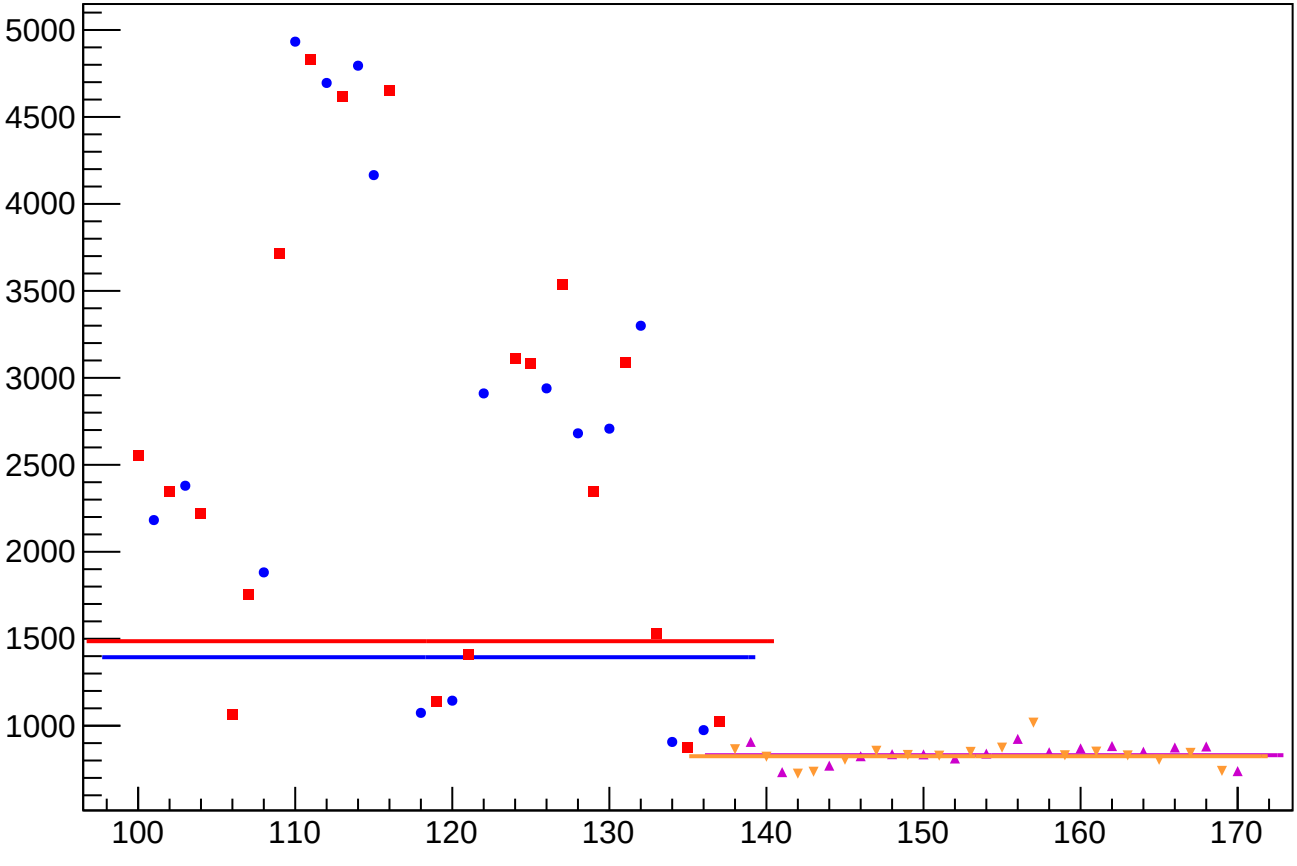
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.082+/-0.214 χ^2/NDF:38.0/31

Out: 0.471+/-0.213 χ^2/NDF:51.0/35

All: 0.196+/-0.151 χ^2/NDF: 92.4/67

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 824.617+/-0.160 χ^2/NDF:138319.5/16

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 830.528+/-0.162 χ^2/NDF:115770.8/15

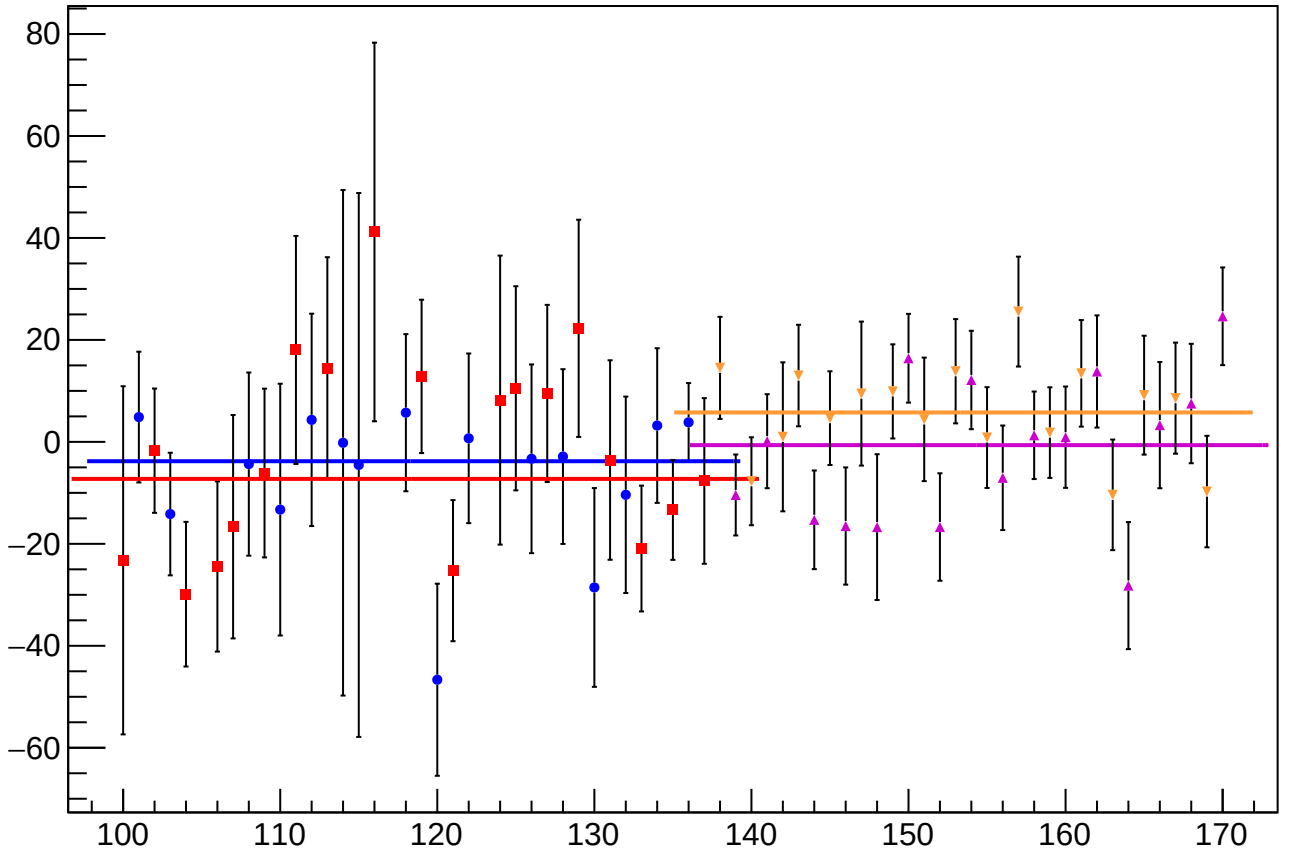
Left: 827.528+/-0.114 χ^2/NDF: 254764.0/32

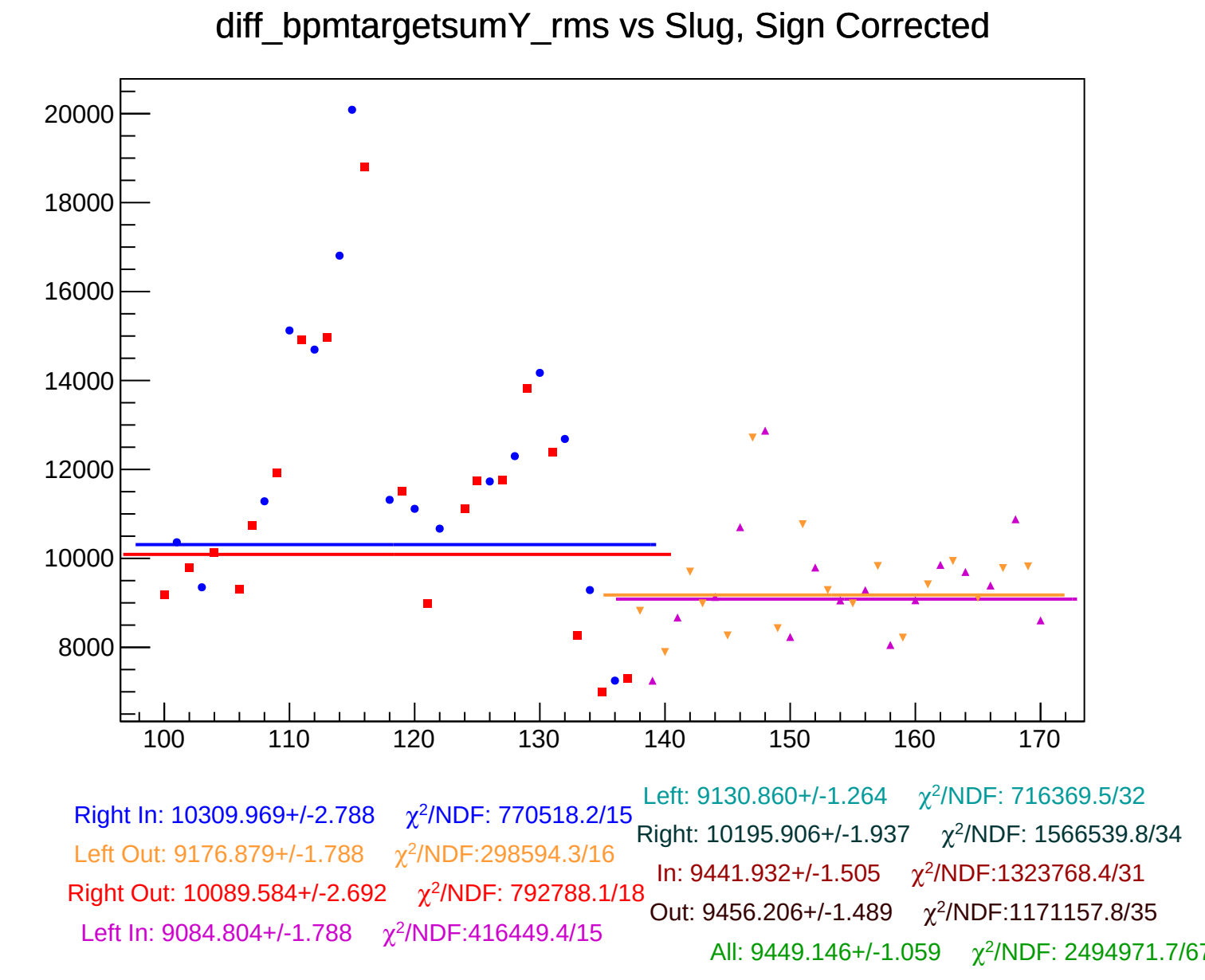
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

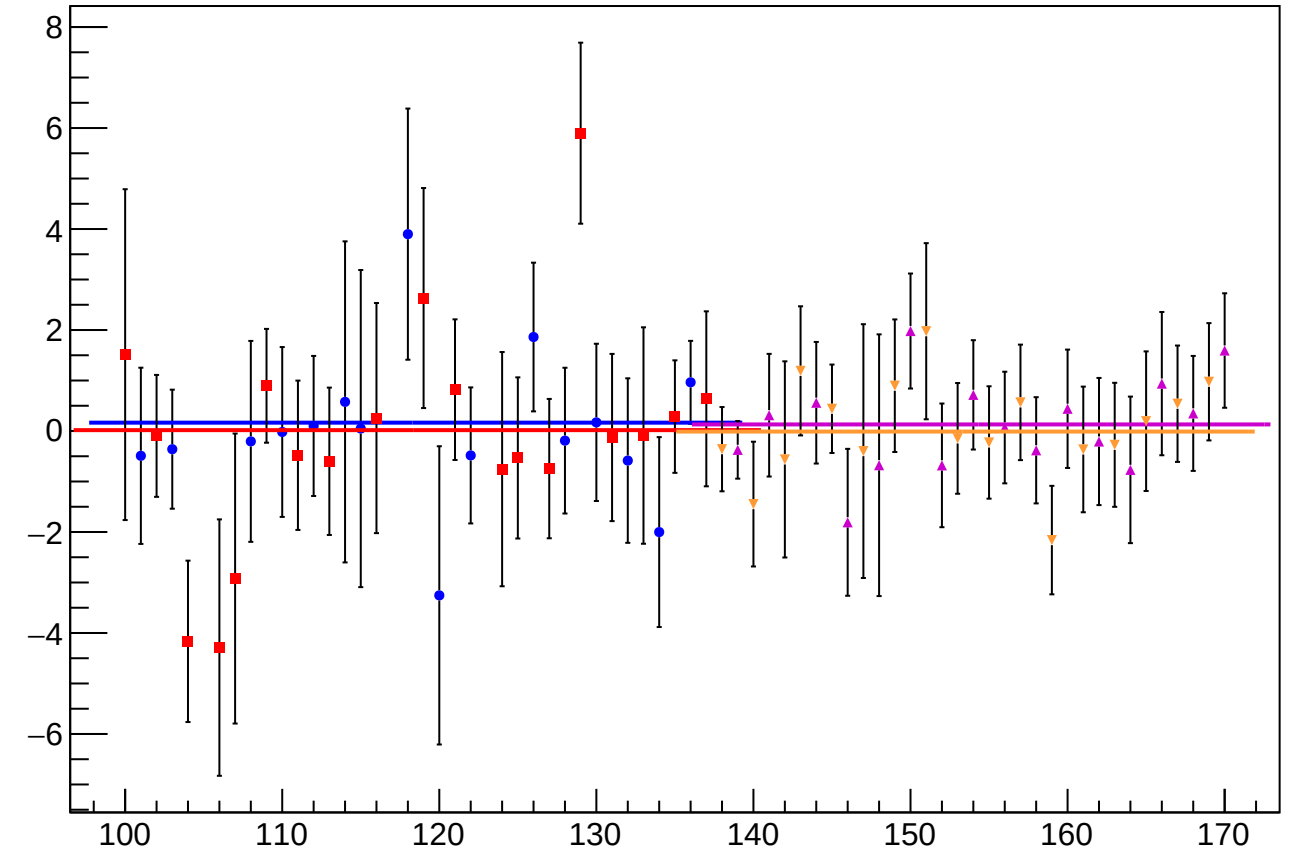
In: 902.389+/-0.152 χ^2/NDF:5034518.6/31

Out: 899.225+/-0.151 χ^2/NDF:5468686.0/35

All: 900.797+/-0.107 χ^2/NDF: 10503424.0/67


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 5.771+/-2.528 χ²/NDF:13.5/16
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: -0.640+/-2.529 χ²/NDF:29.5/15
Left: 2.567+/-1.788 χ²/NDF: 46.2/32
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -1.560+/-2.129 χ²/NDF:40.0/31
Out: 1.782+/-2.106 χ²/NDF:38.9/35
All: 0.129+/-1.497 χ²/NDF: 80.2/67


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9176.879+/-1.788 χ²/NDF:298594.3/16
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9084.804+/-1.788 χ²/NDF:416449.4/15
Left: 9130.860+/-1.264 χ²/NDF: 716369.5/32
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9441.932+/-1.505 χ²/NDF:1323768.4/31
Out: 9456.206+/-1.489 χ²/NDF:1171157.8/35
All: 9449.146+/-1.059 χ²/NDF: 2494971.7/67



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.011+/-0.289 χ^2/NDF:10.0/16

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.130+/-0.278 χ^2/NDF:9.0/15

Left: 0.063+/-0.200 χ^2/NDF: 19.1/32

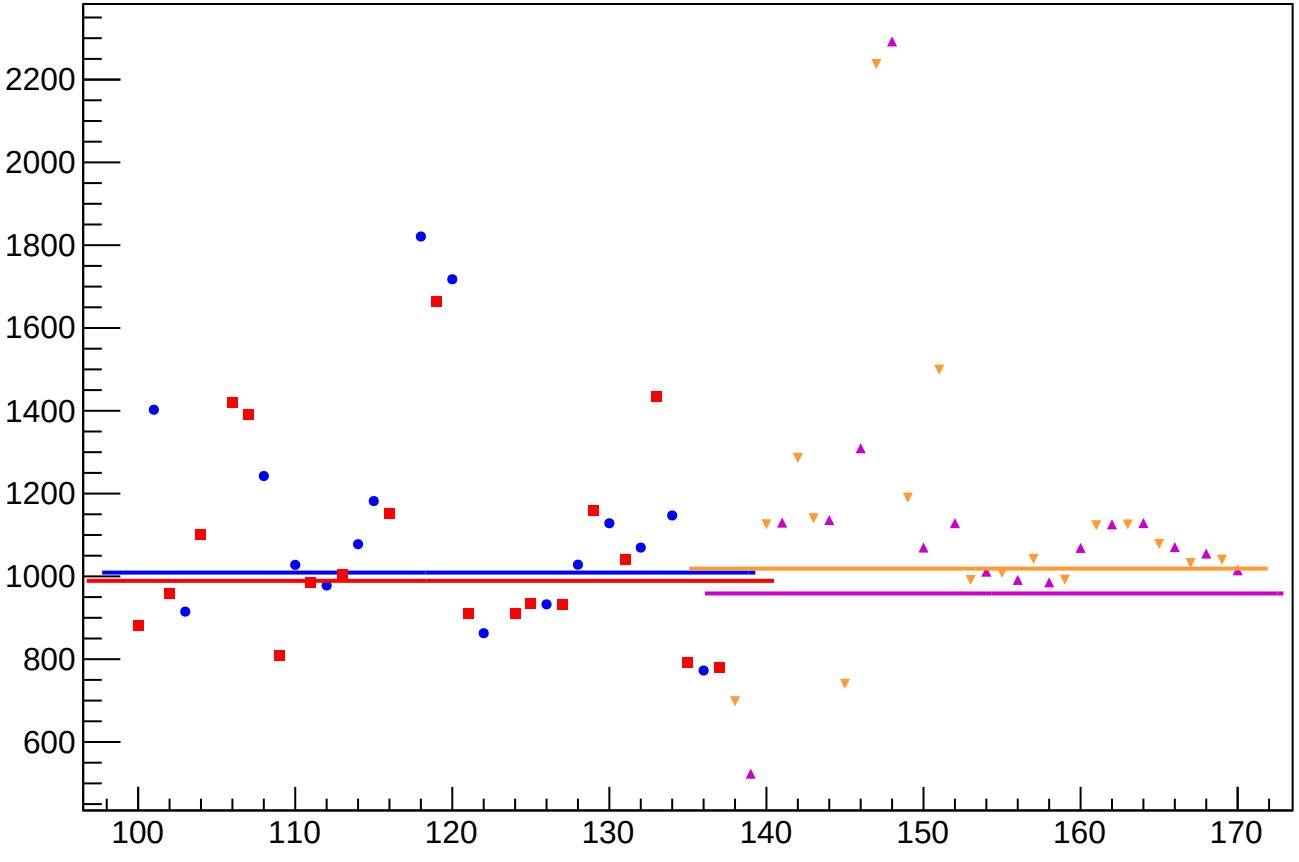
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.142+/-0.226 χ^2/NDF:17.1/31

Out: -0.000+/-0.228 χ^2/NDF:35.1/35

All: 0.072+/-0.161 χ^2/NDF: 52.4/67

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1018.872+/-0.205 χ^2/NDF:1261745.6/16

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 958.766+/-0.196 χ^2/NDF:2070993.0/15

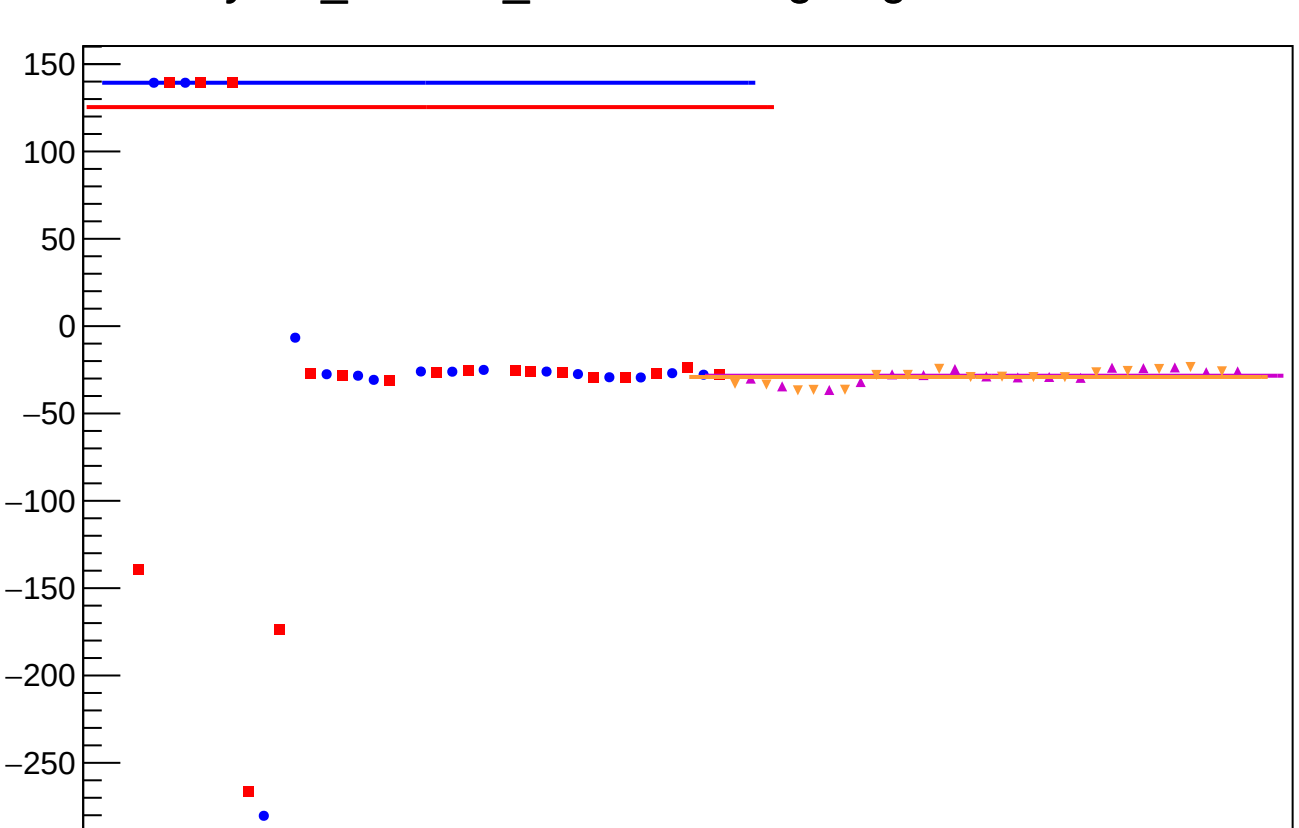
Left: 987.590+/-0.142 χ^2/NDF: 3377636.1/32

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

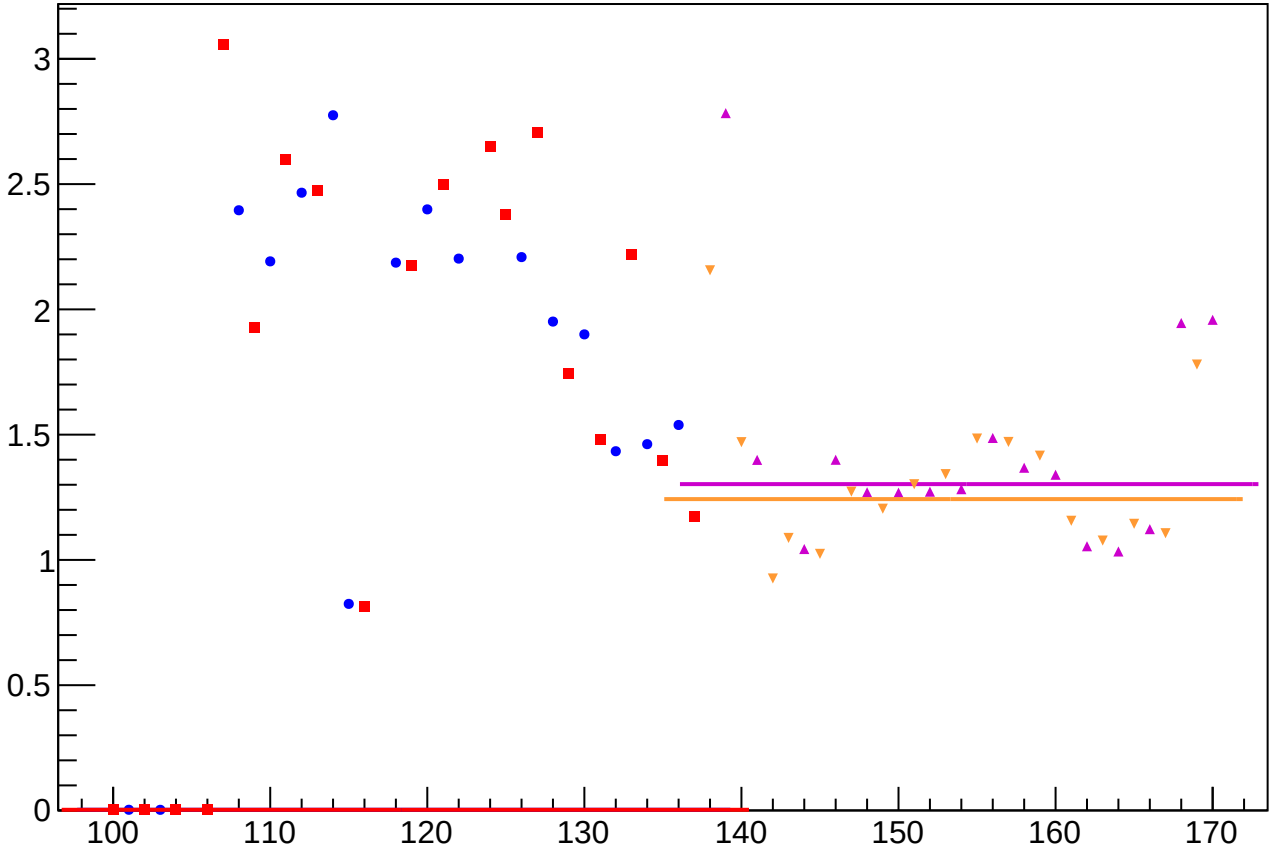
In: 975.964+/-0.159 χ^2/NDF:2792785.0/31

Out: 1007.710+/-0.162 χ^2/NDF:1845401.7/35

All: 991.632+/-0.113 χ^2/NDF: 4657742.1/67


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -29.105+/-0.000 χ²/NDF:134164937.9/16
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -28.386+/-0.000 χ²/NDF:97523337.6/15
Left: -28.765+/-0.000 χ²/NDF: 233356602.1/32
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.331+/-0.000 χ²/NDF:219388384422.1/31
Out: 125.387+/-0.000 χ²/NDF:774336156064682.
All: 131.813+/-0.000 χ²/NDF: 793339077282

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.243+/-0.000 χ^2/NDF:701089.9/16

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.303+/-0.000 χ^2/NDF:1064683.9/15

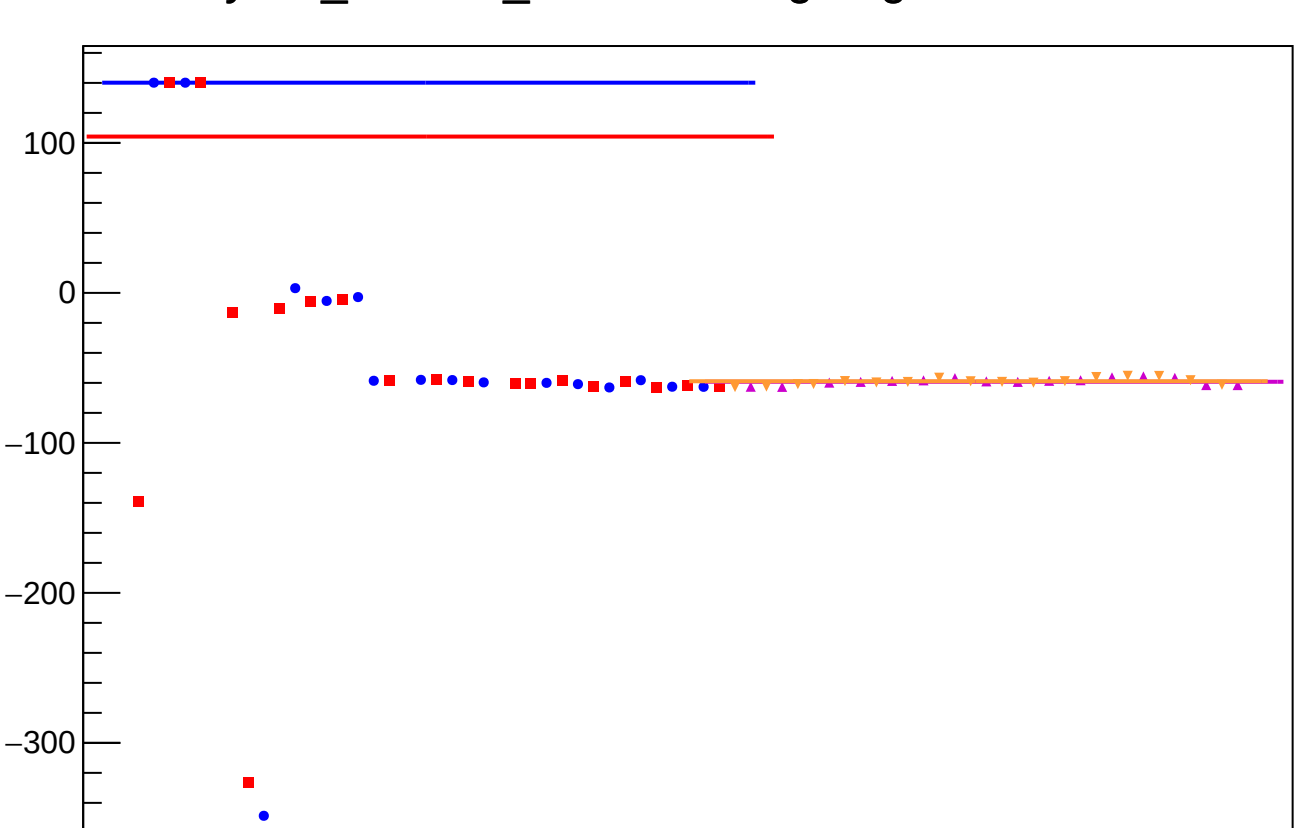
Left: 1.271+/-0.000 χ^2/NDF: 1788869.6/32

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:31317413.2/31

Out: 0.003+/-0.000 χ^2/NDF:31425809.3/35

All: 0.003+/-0.000 χ^2/NDF: 62743457.2/67



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.907+/-0.000 χ^2/NDF:131757068.4/16

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.258+/-0.000 χ^2/NDF:118877960.2/15

Left: -59.084+/-0.000 χ^2/NDF: 251867099.5/32

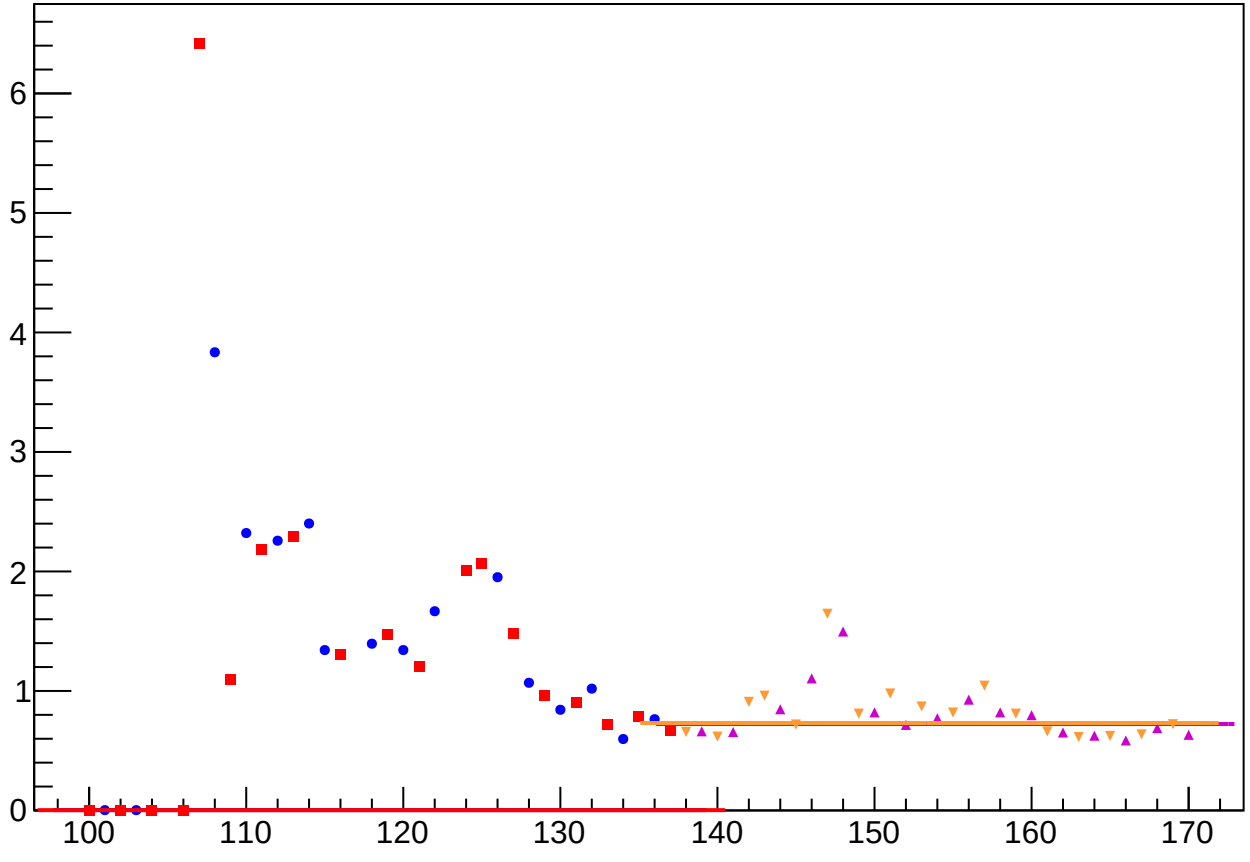
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.121+/-0.000 χ^2/NDF:991450906712.5/31

Out: 104.209+/-0.000 χ^2/NDF:125792915433989

All: 120.813+/-0.000 χ^2/NDF: 13821915912

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.732+/-0.000 χ^2/NDF:1011142.2/16

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.723+/-0.000 χ^2/NDF:839588.9/15

Left: 0.728+/-0.000 χ^2/NDF: 1852184.2/32

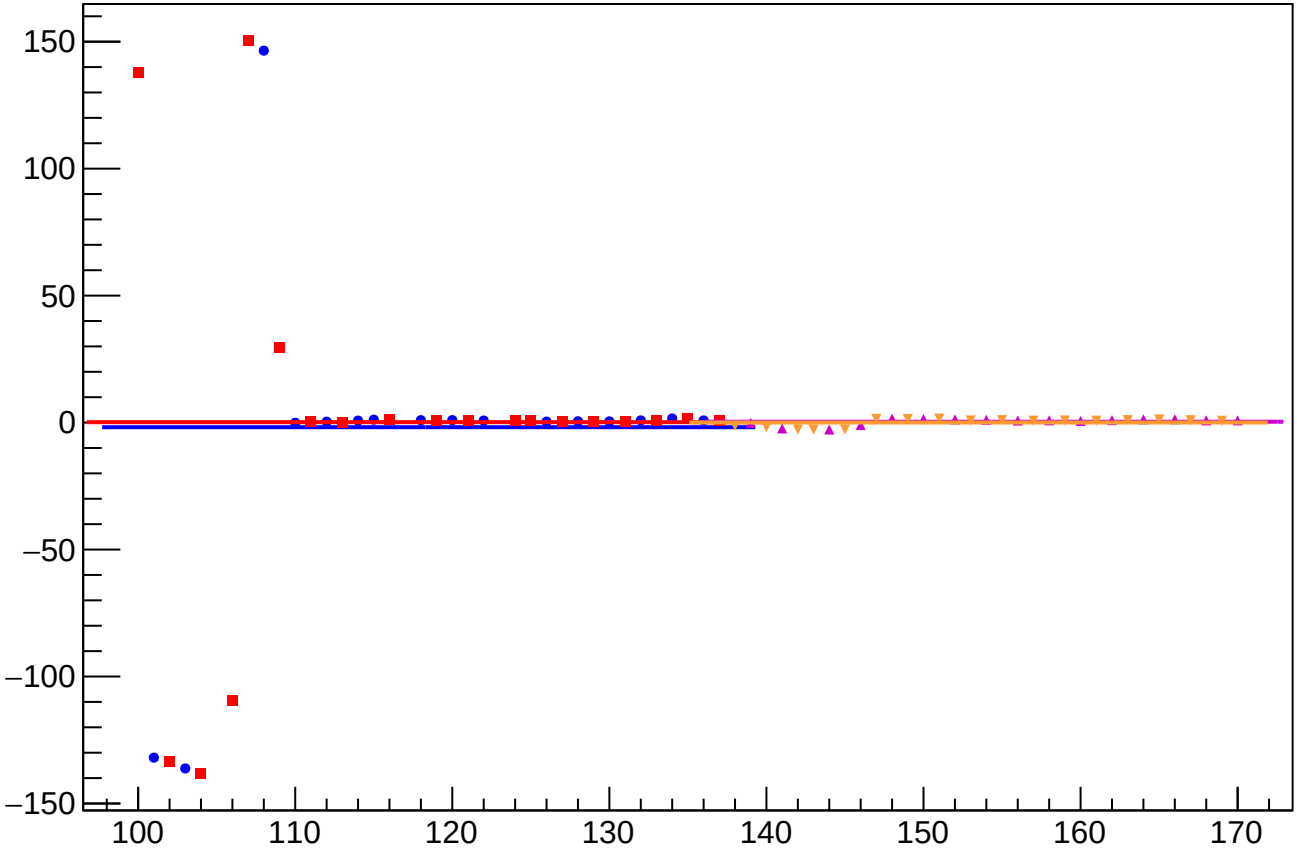
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:32418800.1/31

Out: 0.003+/-0.000 χ^2/NDF:32344802.0/35

All: 0.003+/-0.000 χ^2/NDF: 64763988.8/67

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:98505936.9/16

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.342+/-0.000 χ^2/NDF:70201101.5/15

Left: 0.183+/-0.000 χ^2/NDF: 170506690.9/32

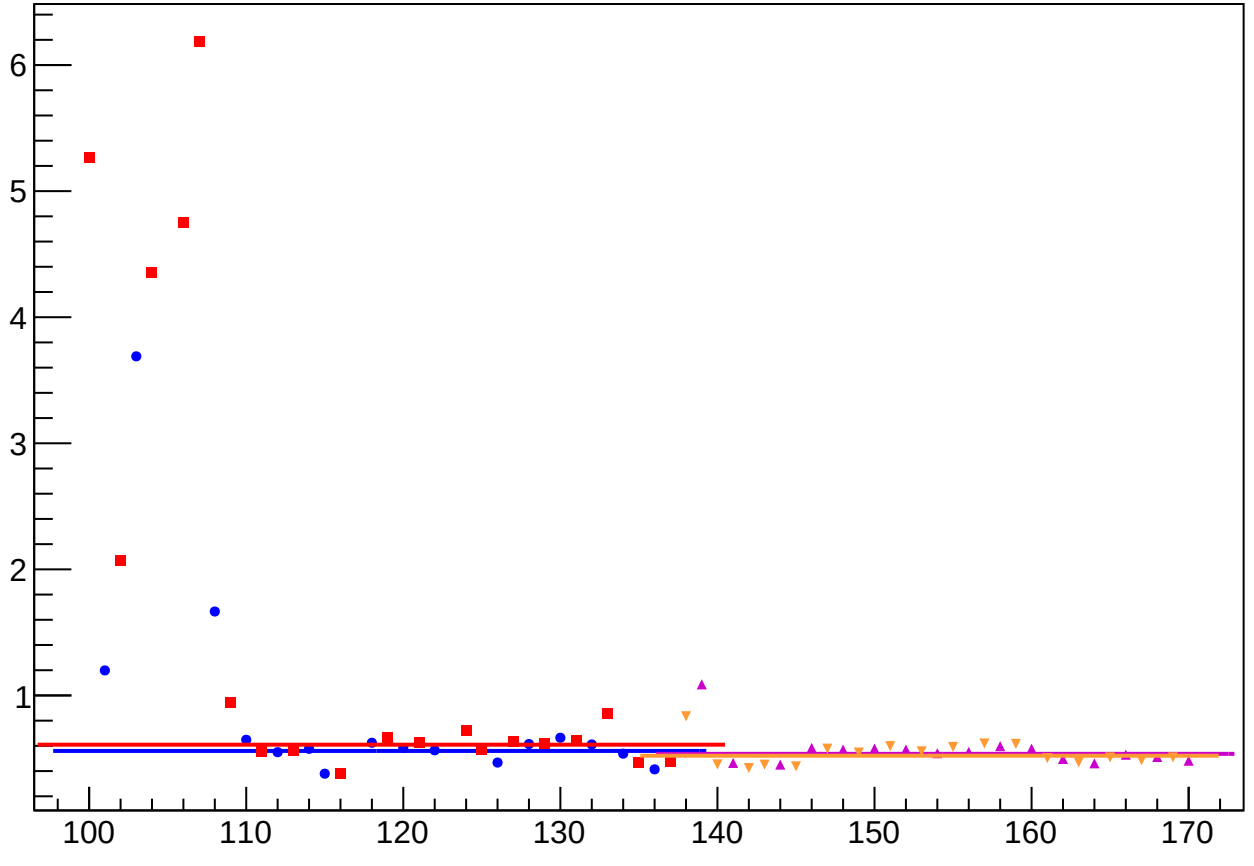
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.317+/-0.000 χ^2/NDF:10009686267.7/31

Out: 0.067+/-0.000 χ^2/NDF:3709920996.1/35

All: -0.125+/-0.000 χ^2/NDF: 13723494380.2/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.522+/-0.000 χ^2/NDF:475164.4/16

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.537+/-0.000 χ^2/NDF:614557.6/15

Left: 0.529+/-0.000 χ^2/NDF: 1097958.1/32

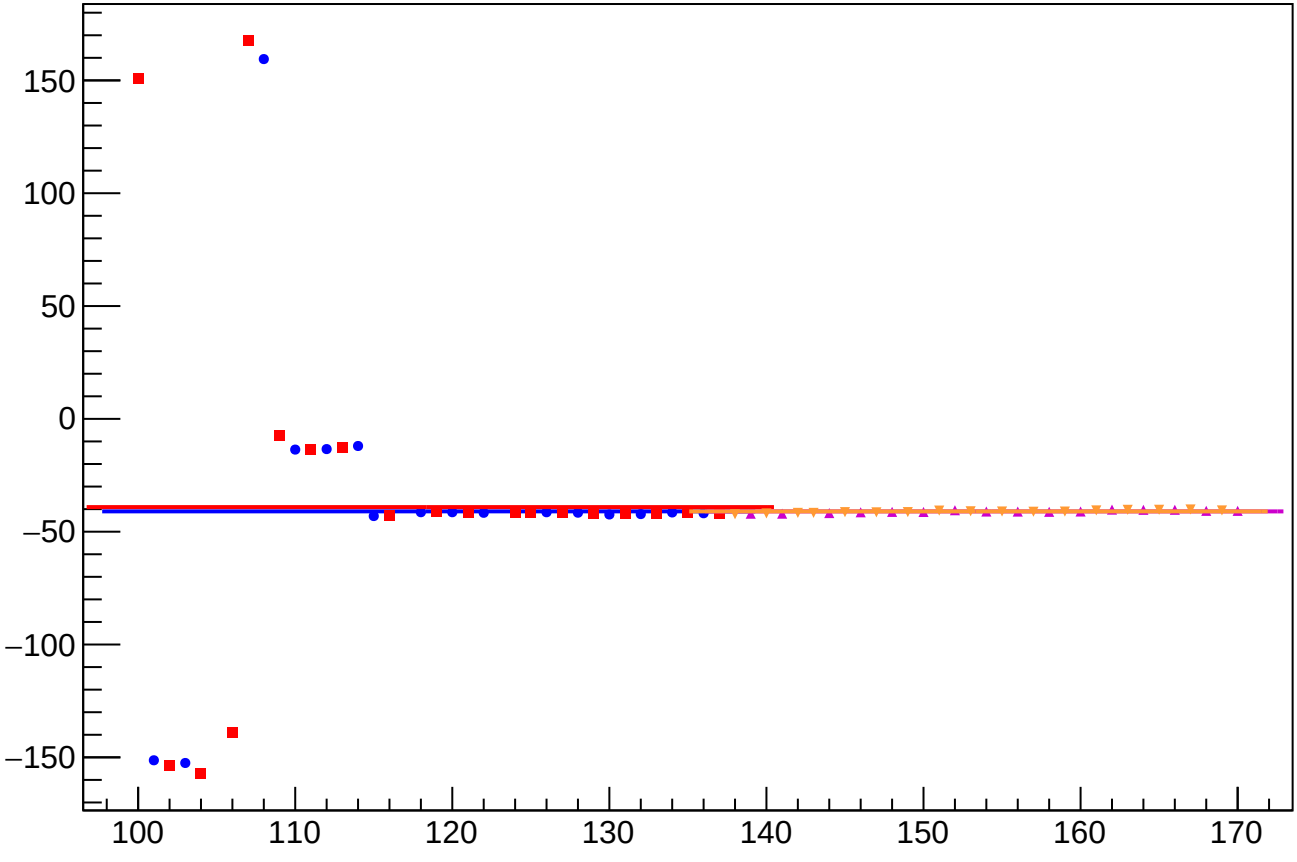
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.544+/-0.000 χ^2/NDF:2225079.8/31

Out: 0.544+/-0.000 χ^2/NDF:3103793.3/35

All: 0.544+/-0.000 χ^2/NDF: 5328885.1/67

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.997+/-0.000 χ^2/NDF:31015632.1/16

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.006+/-0.000 χ^2/NDF:27657354.7/15

Left: -41.001+/-0.000 χ^2/NDF: 58676746.5/32

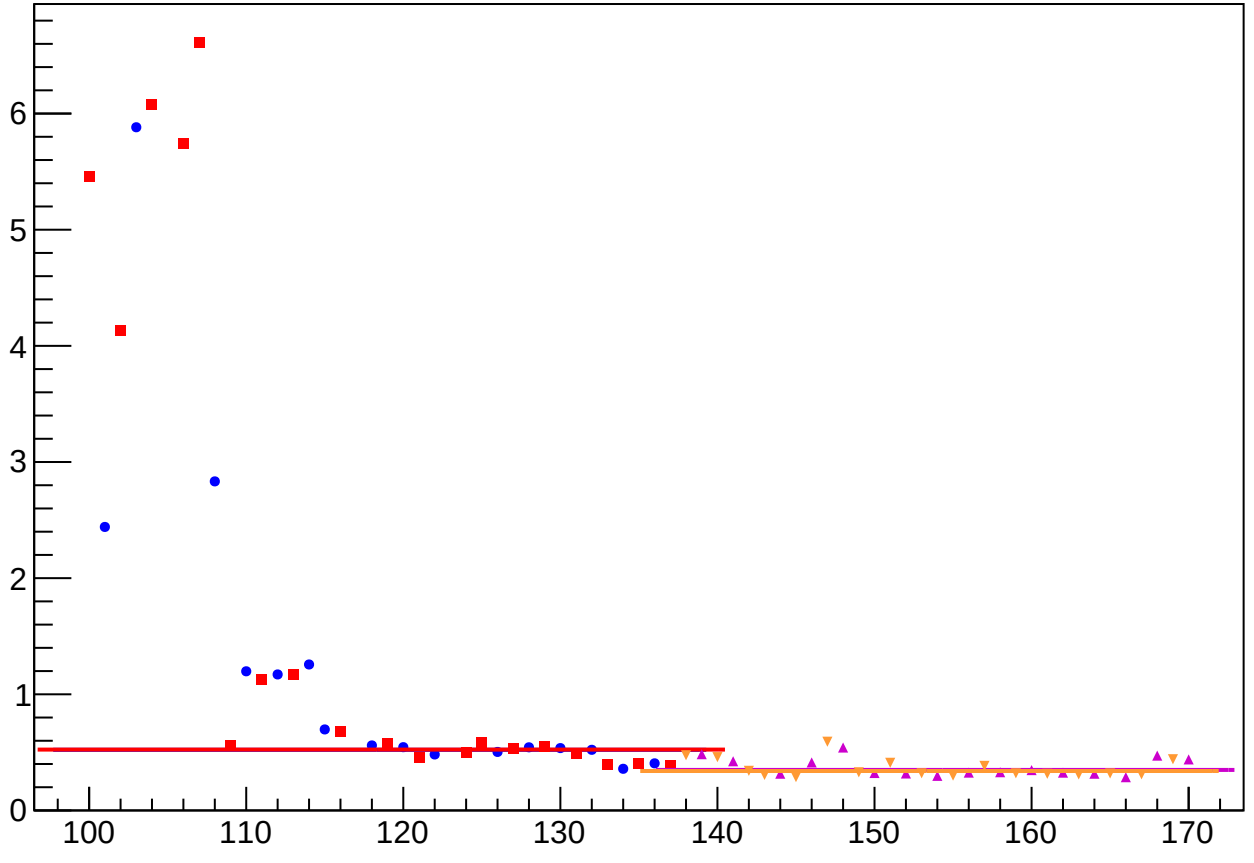
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.003+/-0.000 χ^2/NDF:3477284877.4/31

Out: -40.726+/-0.000 χ^2/NDF:2566313563.7/35

All: -40.860+/-0.000 χ^2/NDF: 6048260081.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.340+/-0.000 χ^2/NDF:801609.8/16

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:759894.0/15

Left: 0.344+/-0.000 χ^2/NDF: 1570348.6/32

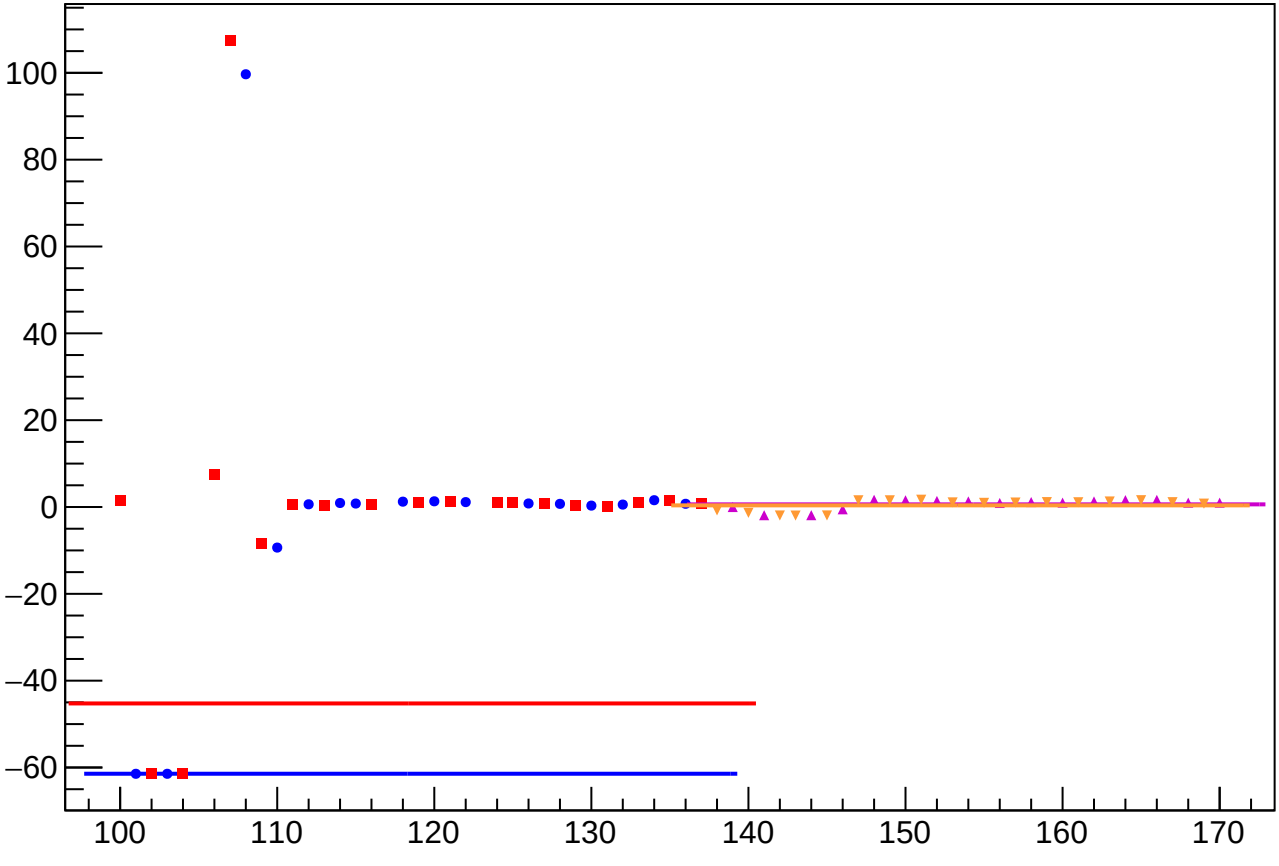
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4642102.8/31

Out: 0.366+/-0.000 χ^2/NDF:5108492.1/35

All: 0.371+/-0.000 χ^2/NDF: 9762596.7/67

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.378+/-0.000 χ^2/NDF:100798962.1/16

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.610+/-0.000 χ^2/NDF:77245913.3/15

Left: 0.490+/-0.000 χ^2/NDF: 179459124.6/32

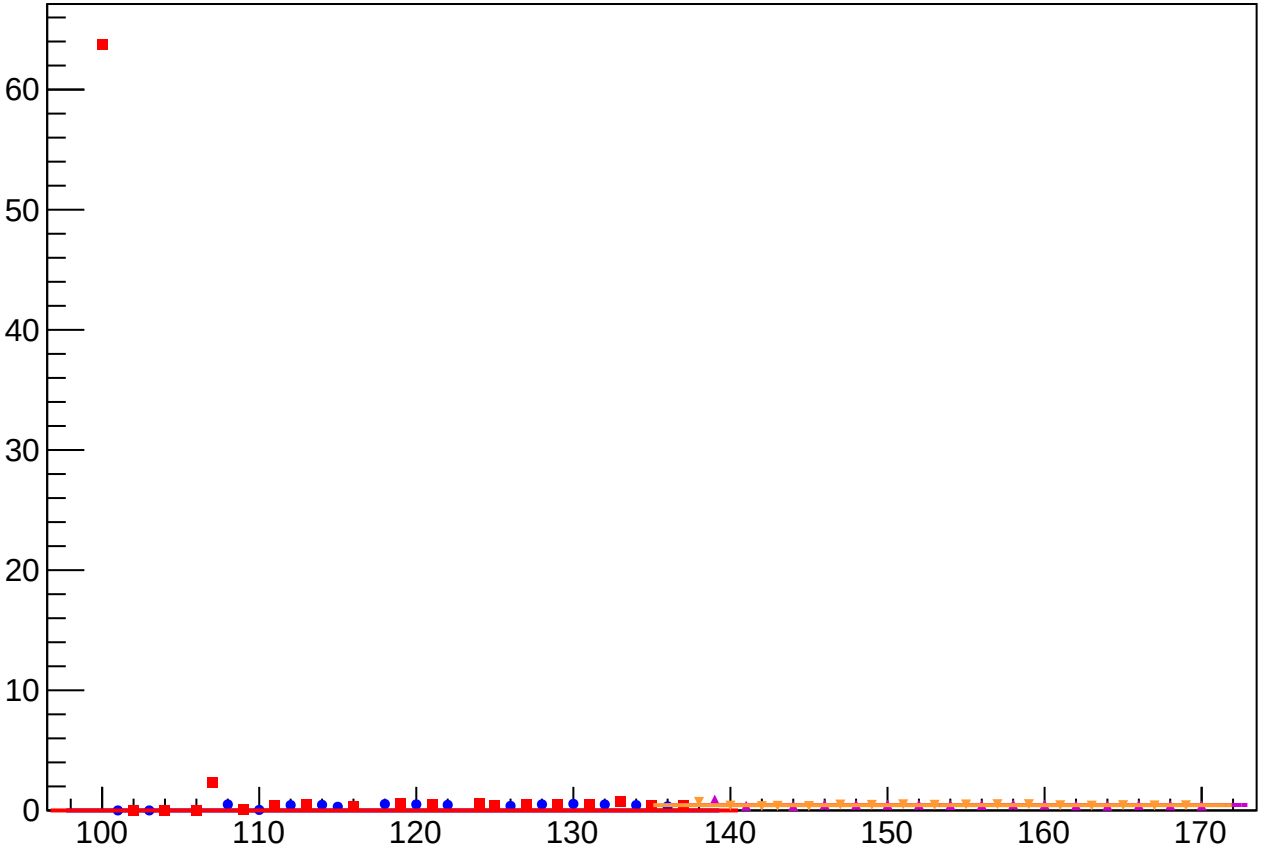
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.427+/-0.000 χ^2/NDF:470804737931.5/31

Out: -45.239+/-0.000 χ^2/NDF:357984487202337.9

All: -52.742+/-0.000 χ^2/NDF: 409422629341

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.442+/-0.000 χ^2/NDF:462507.2/16

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.455+/-0.000 χ^2/NDF:584696.1/15

Left: 0.448+/-0.000 χ^2/NDF: 1056846.1/32

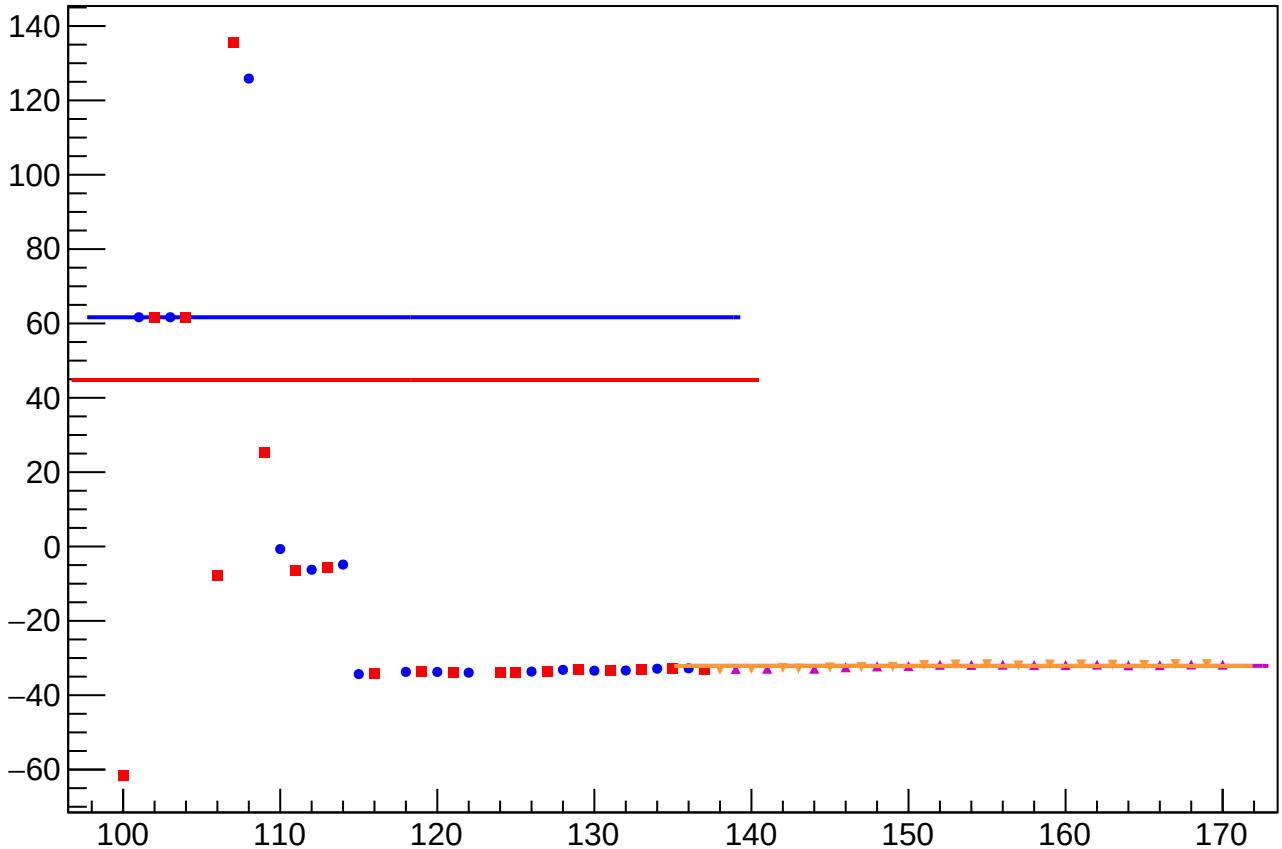
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:30840933.4/31

Out: 0.002+/-0.000 χ^2/NDF:31052976.4/35

All: 0.002+/-0.000 χ^2/NDF: 61893941.5/67

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.125+/-0.000 χ^2/NDF:35579810.1/16

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.099+/-0.000 χ^2/NDF:26811500.2/15

Left: -32.112+/-0.000 χ^2/NDF: 62439952.6/32

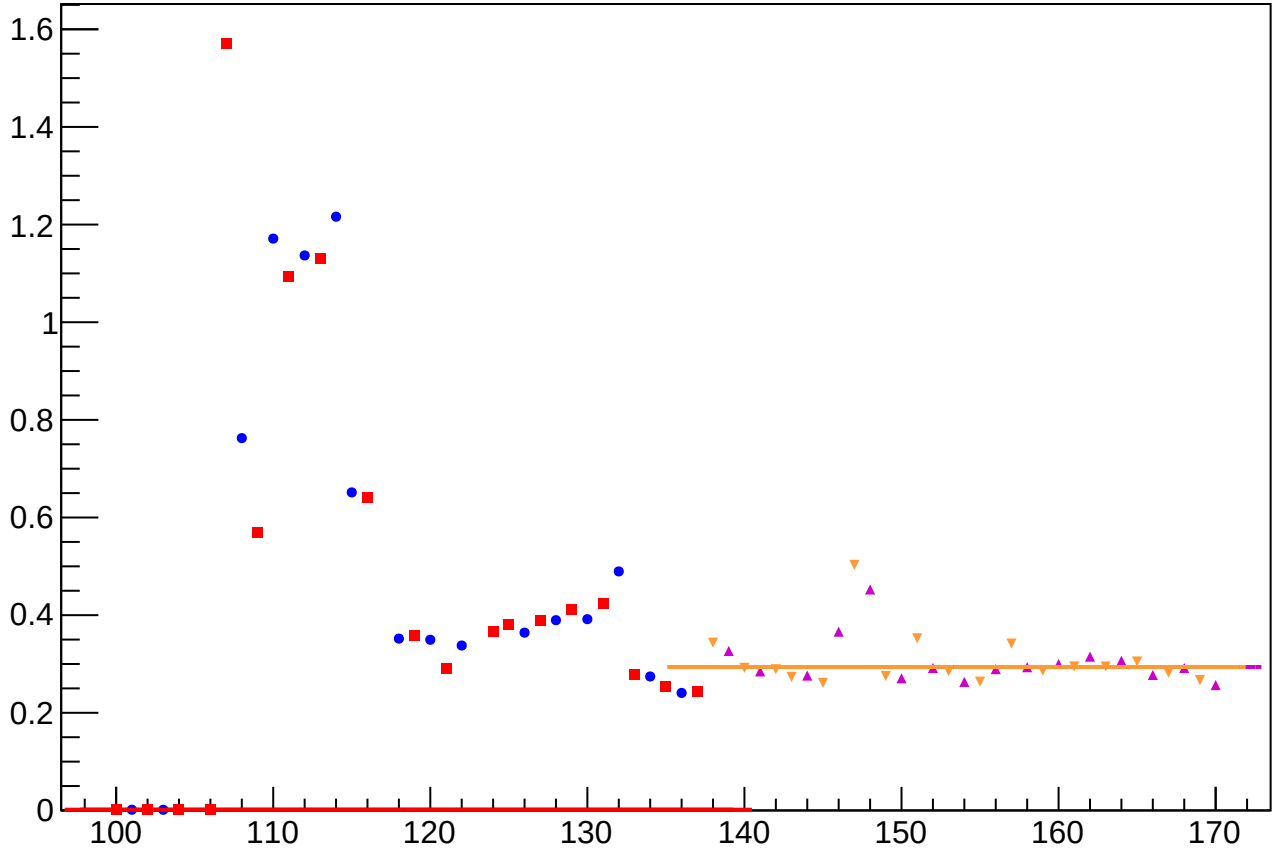
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.622+/-0.000 χ^2/NDF:1644405481097.4/31

Out: 44.756+/-0.000 χ^2/NDF:366964743935125.1

All: 52.654+/-0.000 χ^2/NDF: 419668604802

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.294+/-0.000 χ^2/NDF:466103.4/16

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.294+/-0.000 χ^2/NDF:367463.3/15

Left: 0.294+/-0.000 χ^2/NDF: 833566.9/32

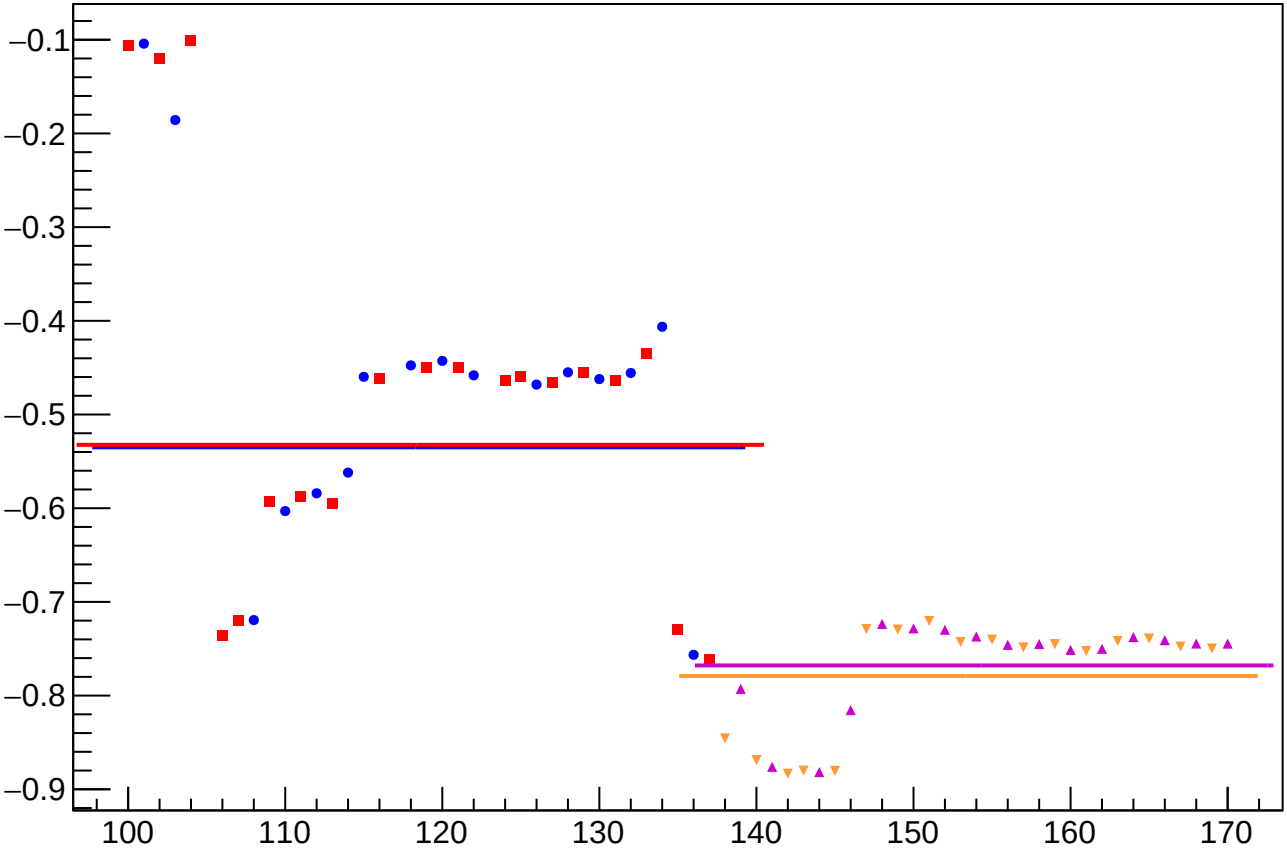
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:36170328.2/31

Out: 0.002+/-0.000 χ^2/NDF:36156437.1/35

All: 0.002+/-0.000 χ^2/NDF: 72326776.1/67

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.779+/-0.000 χ^2/NDF:109230197.5/16

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.768+/-0.000 χ^2/NDF:77434794.8/15

Left: -0.774+/-0.000 χ^2/NDF: 188470179.1/32

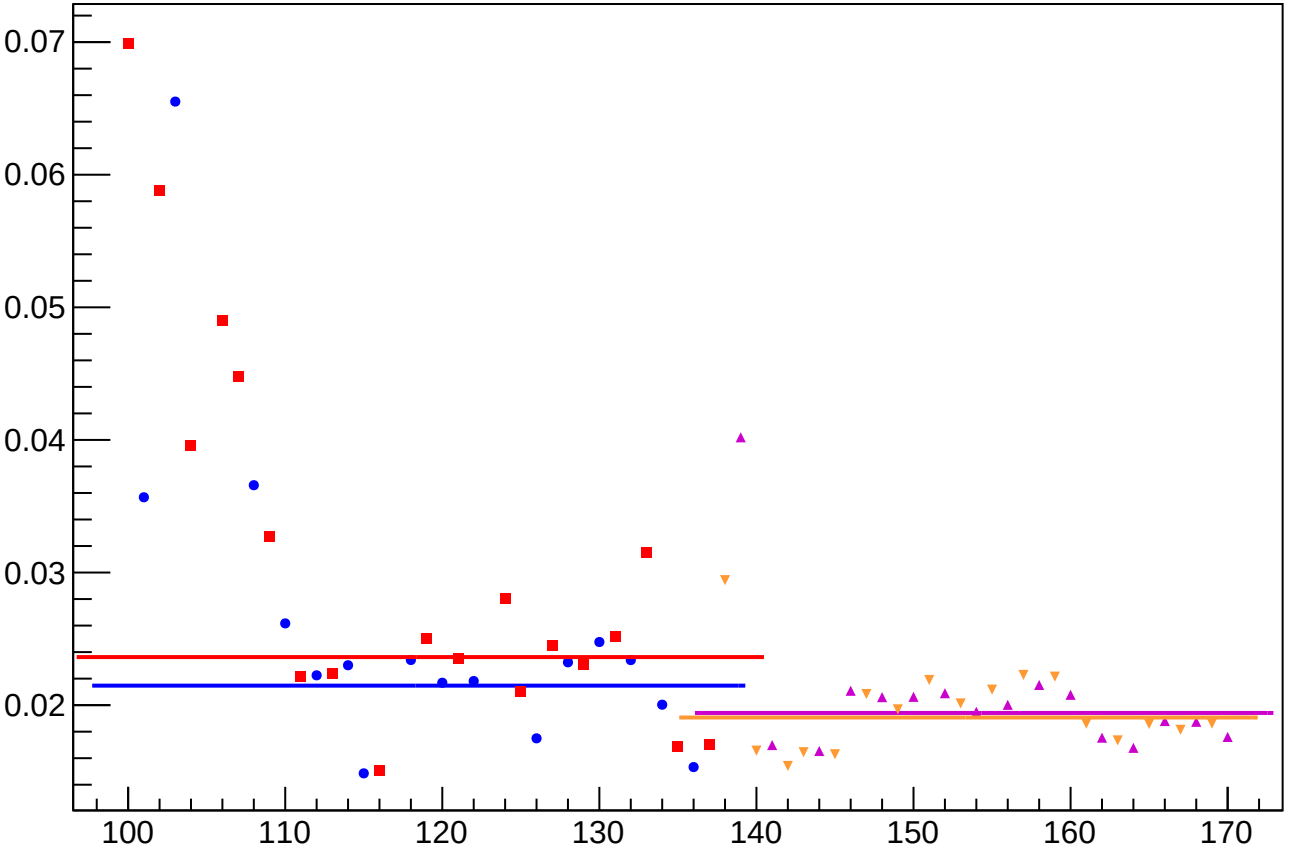
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.700+/-0.000 χ^2/NDF:823626611.4/31

Out: -0.716+/-0.000 χ^2/NDF:777045736.3/35

All: -0.708+/-0.000 χ^2/NDF: 1606265548.3/6

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:410481.3/16

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:618267.1/15

Left: 0.019+/-0.000 χ^2/NDF: 1032140.8/32

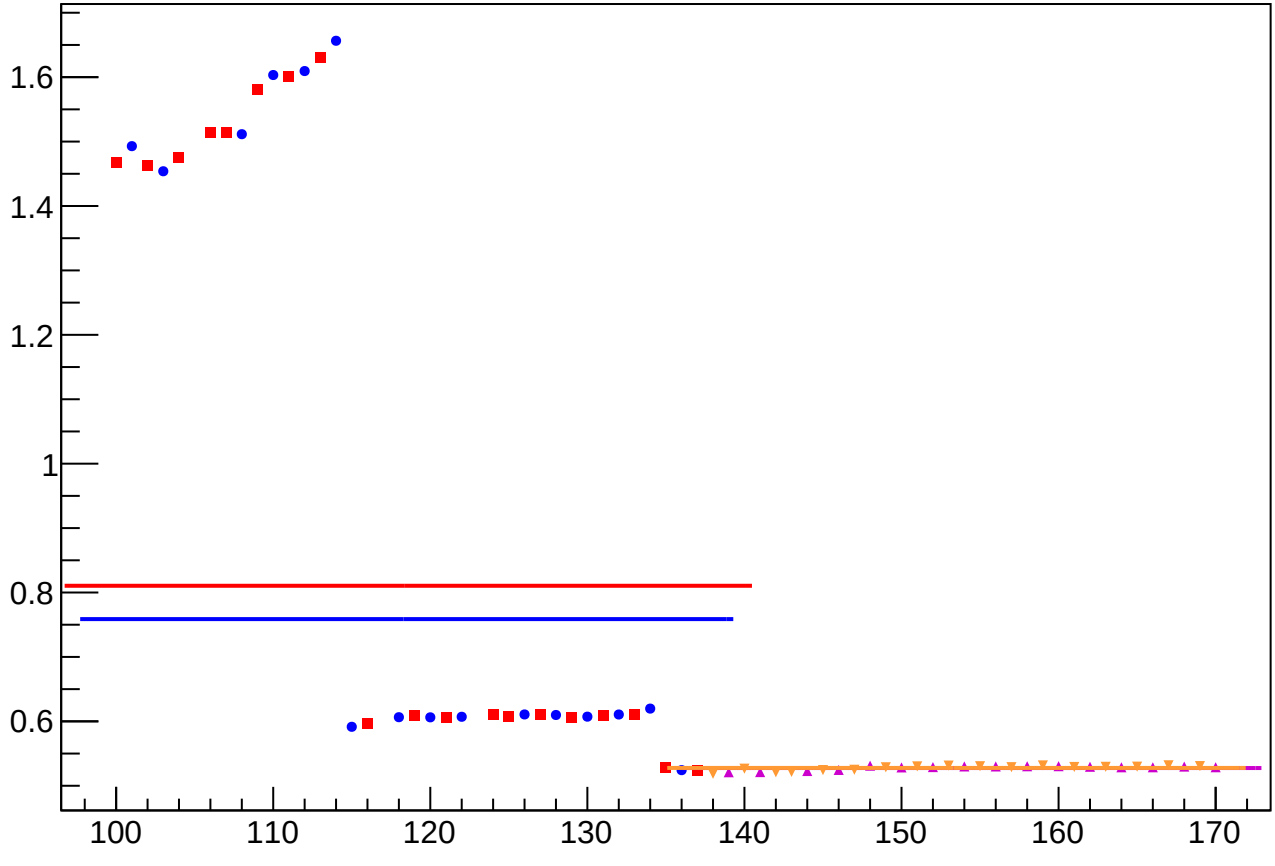
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1841931.9/31

Out: 0.020+/-0.000 χ^2/NDF:1997343.1/35

All: 0.020+/-0.000 χ^2/NDF: 3841015.9/67

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:1344369.9/16

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:977606.1/15

Left: 0.528+/-0.000 χ^2/NDF: 2323296.6/32

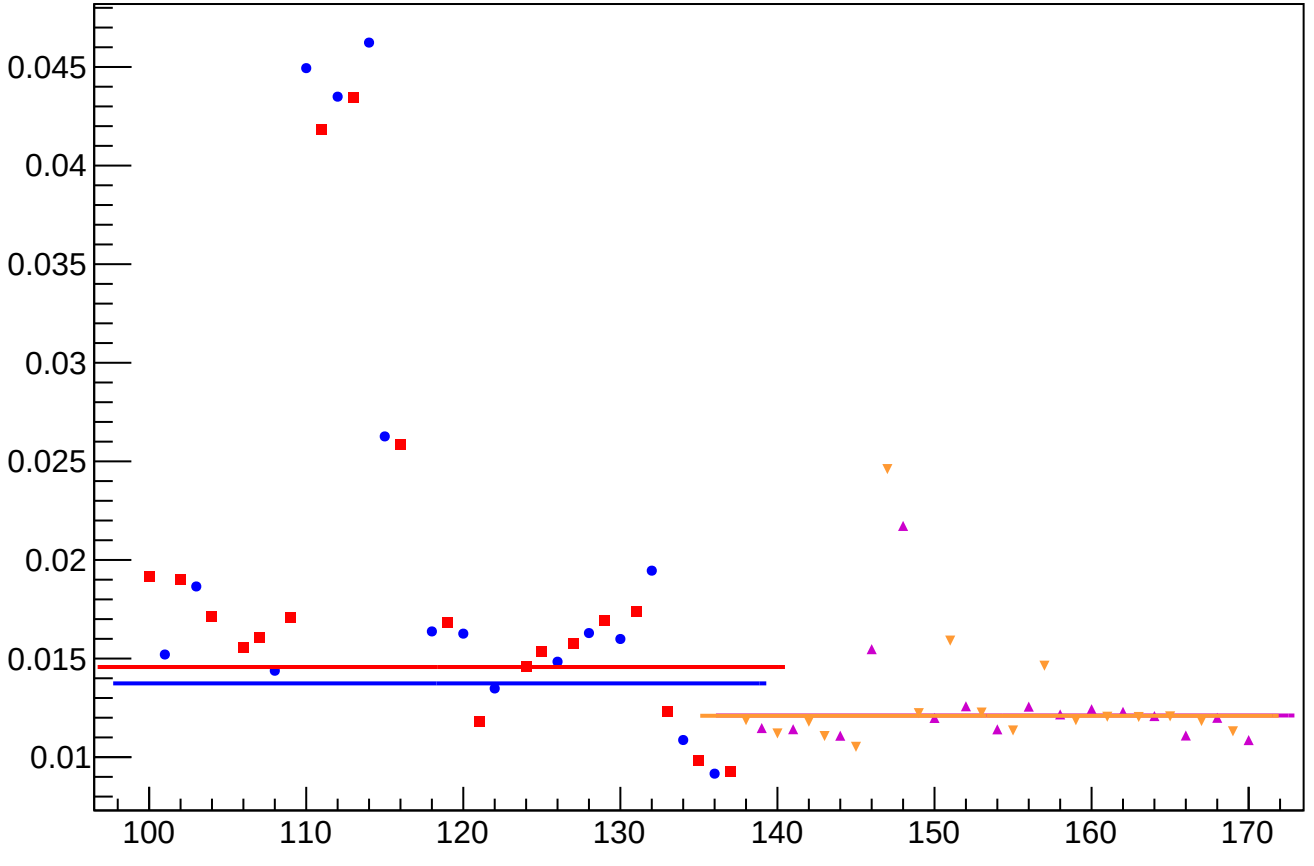
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.590+/-0.000 χ^2/NDF:5537247141.4/31

Out: 0.599+/-0.000 χ^2/NDF:6525856920.4/35

All: 0.594+/-0.000 χ^2/NDF: 12068367310.5/6

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:623699.9/16

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:453091.0/15

Left: 0.012+/-0.000 χ^2/NDF: 1076808.6/32

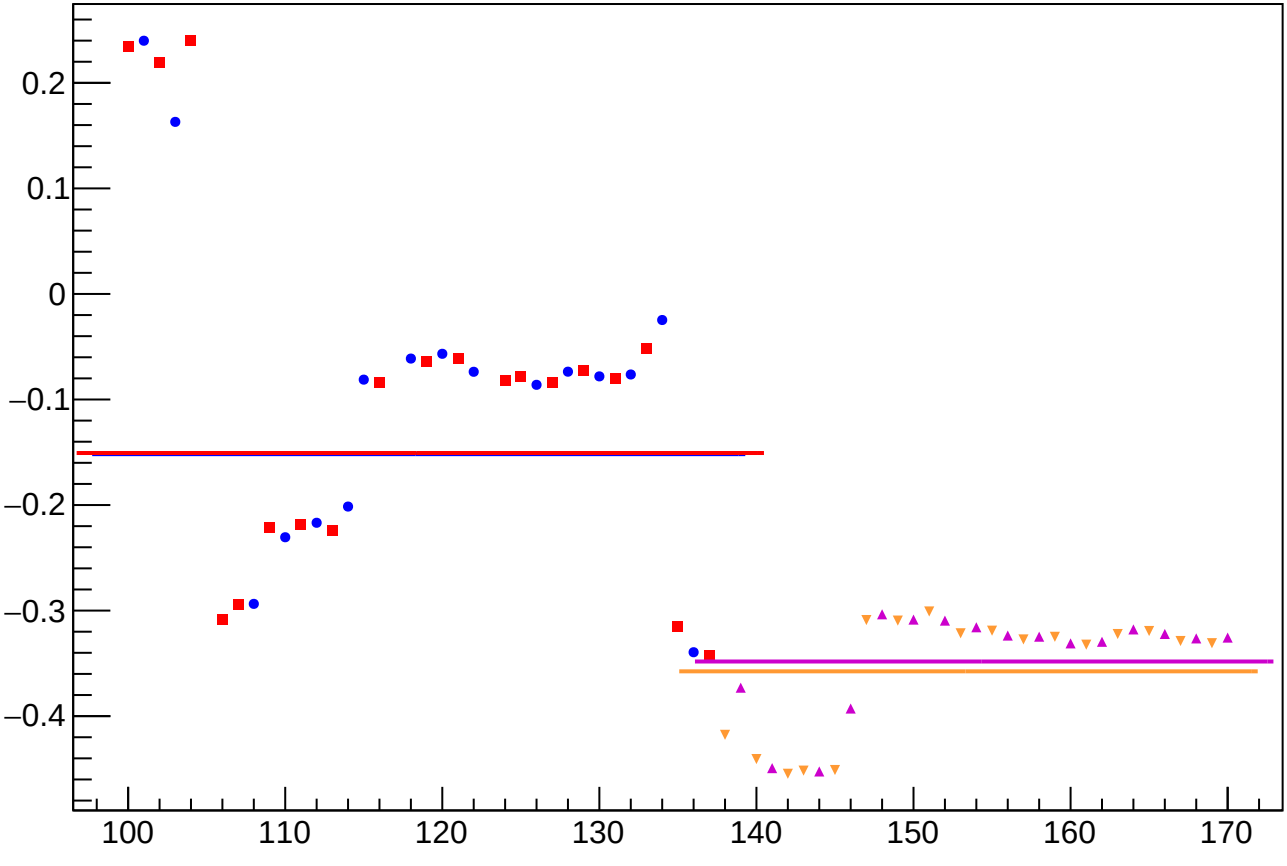
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2225013.6/31

Out: 0.013+/-0.000 χ^2/NDF:2347224.4/35

All: 0.013+/-0.000 χ^2/NDF: 4575737.0/67

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.358+/-0.000 χ^2/NDF:105397941.8/16

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:77938729.2/15

Left: -0.353+/-0.000 χ^2/NDF: 184668224.3/32

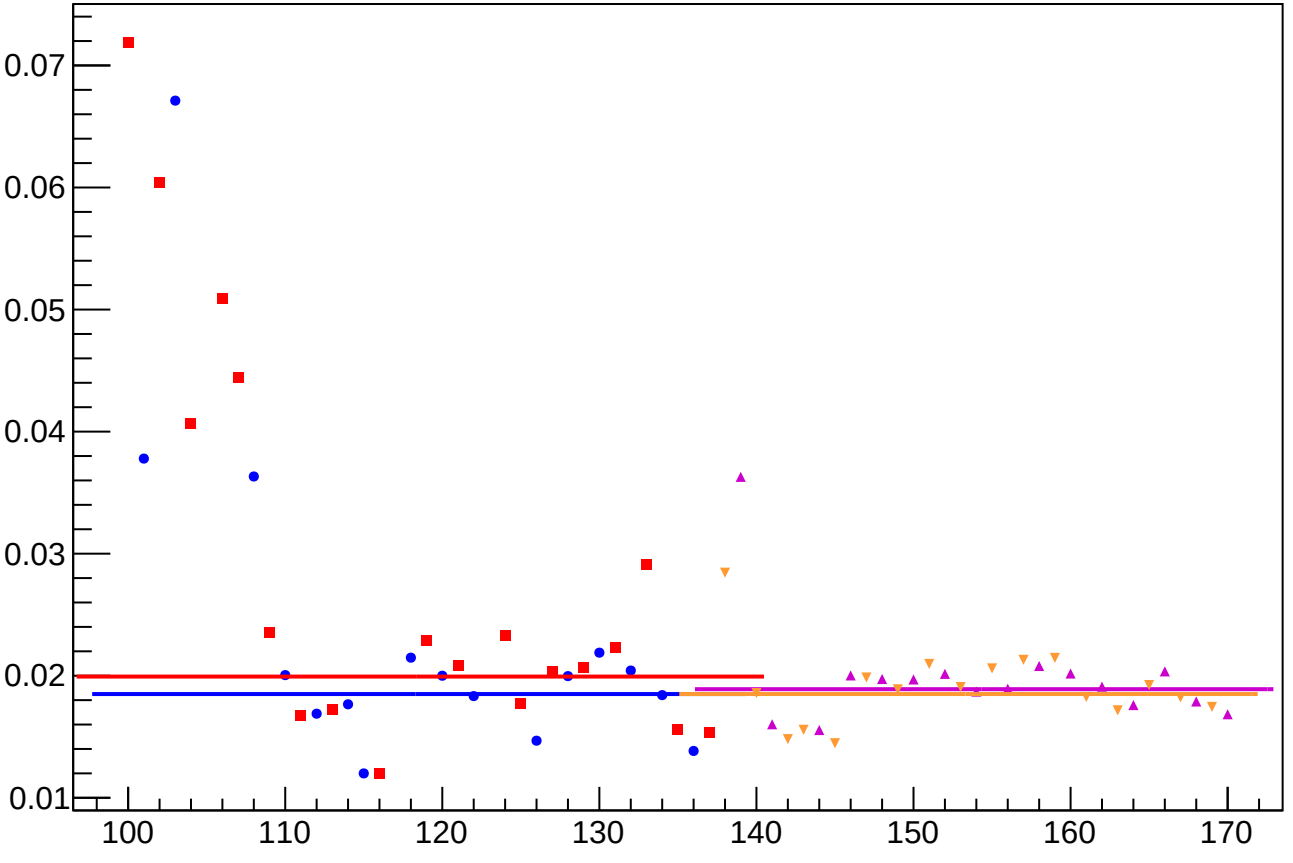
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.281+/-0.000 χ^2/NDF:747236783.7/31

Out: -0.295+/-0.000 χ^2/NDF:713604750.1/35

All: -0.288+/-0.000 χ^2/NDF: 1464922379.2/6

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:440933.9/16

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:557168.1/15

Left: 0.019+/-0.000 χ^2/NDF: 1002971.7/32

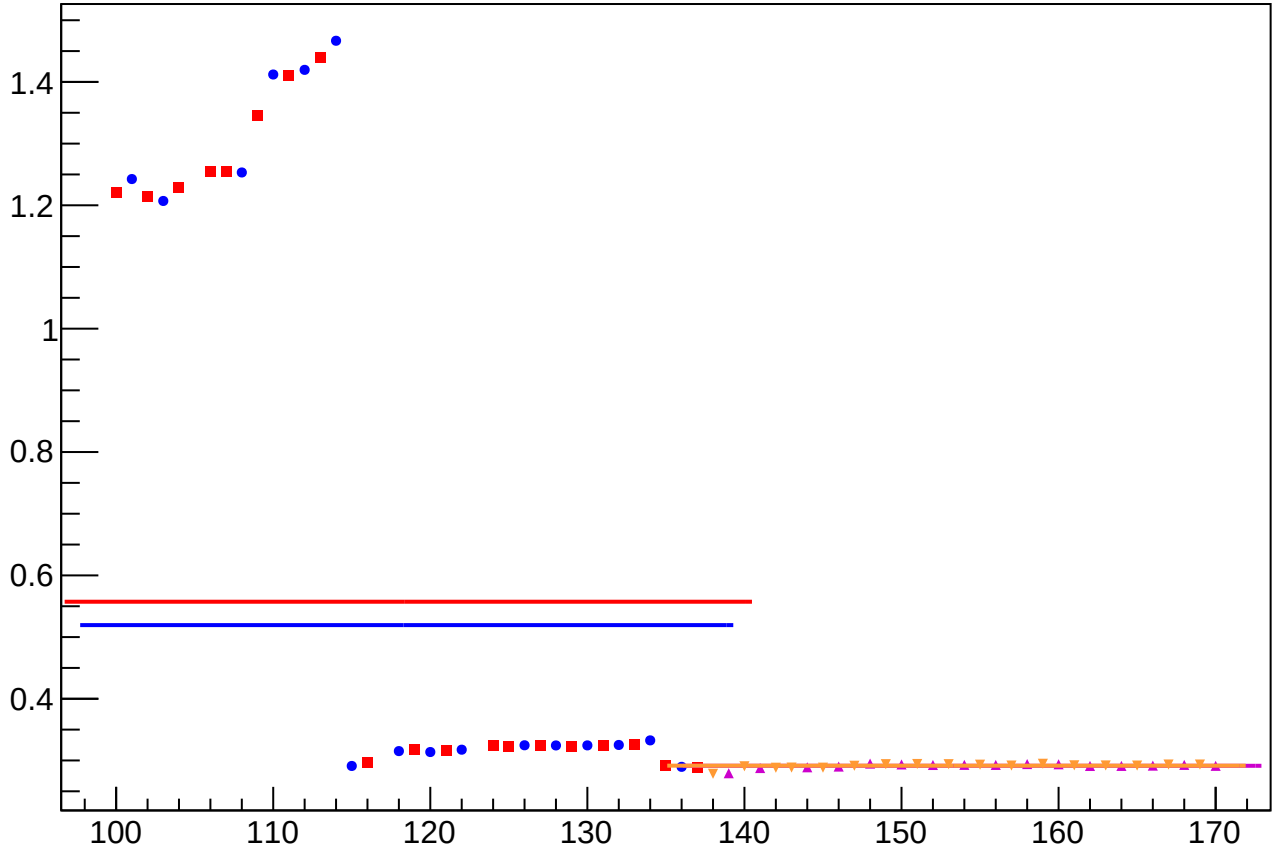
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1932777.6/31

Out: 0.019+/-0.000 χ^2/NDF:2027650.1/35

All: 0.019+/-0.000 χ^2/NDF: 3961757.6/67

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:1195825.0/16

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1186096.5/15

Left: 0.291+/-0.000 χ^2/NDF: 2384420.2/32

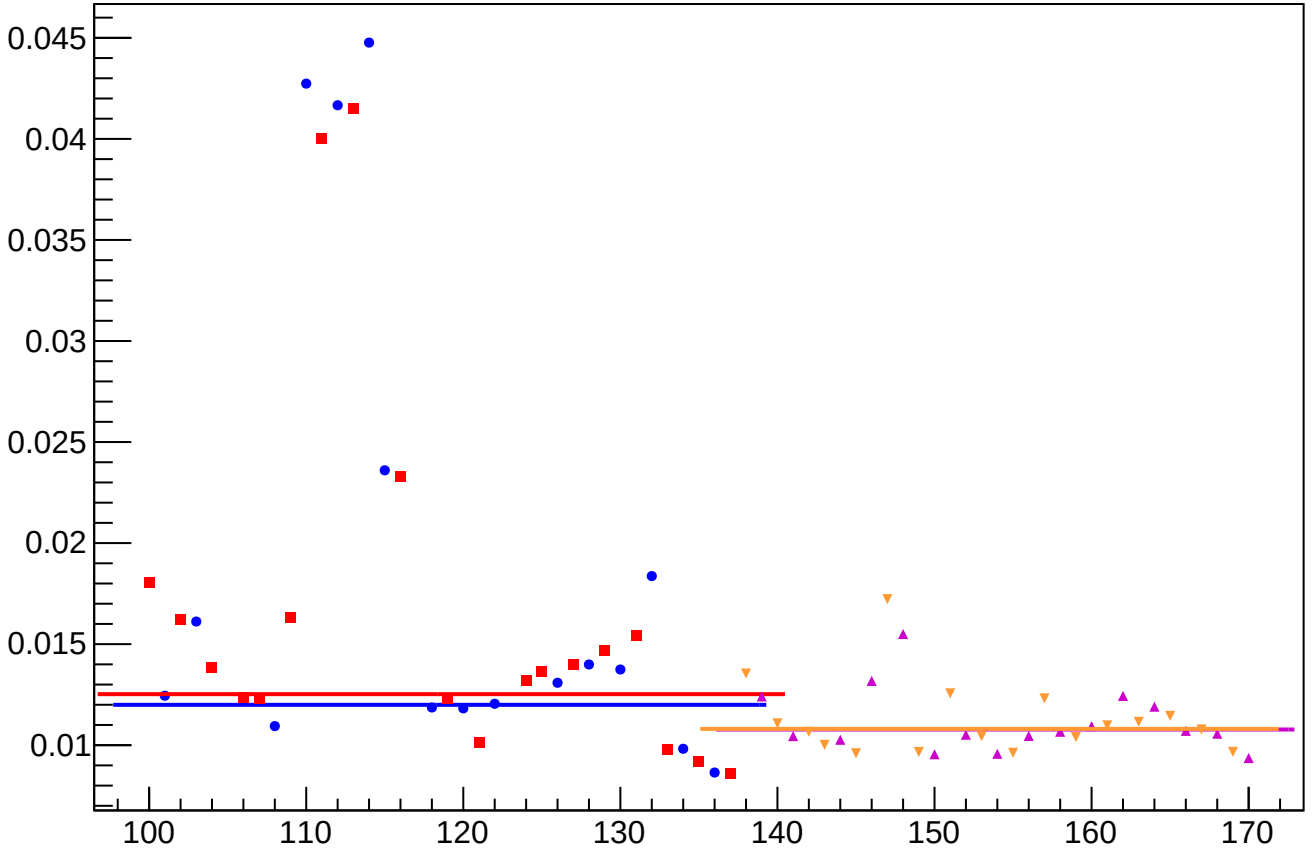
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.355+/-0.000 χ^2/NDF:7876220086.5/31

Out: 0.362+/-0.000 χ^2/NDF:8775373688.0/35

All: 0.358+/-0.000 χ^2/NDF: 16655359782.6/6

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:451927.5/16

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:370960.3/15

Left: 0.011+/-0.000 χ^2/NDF: 822992.5/32

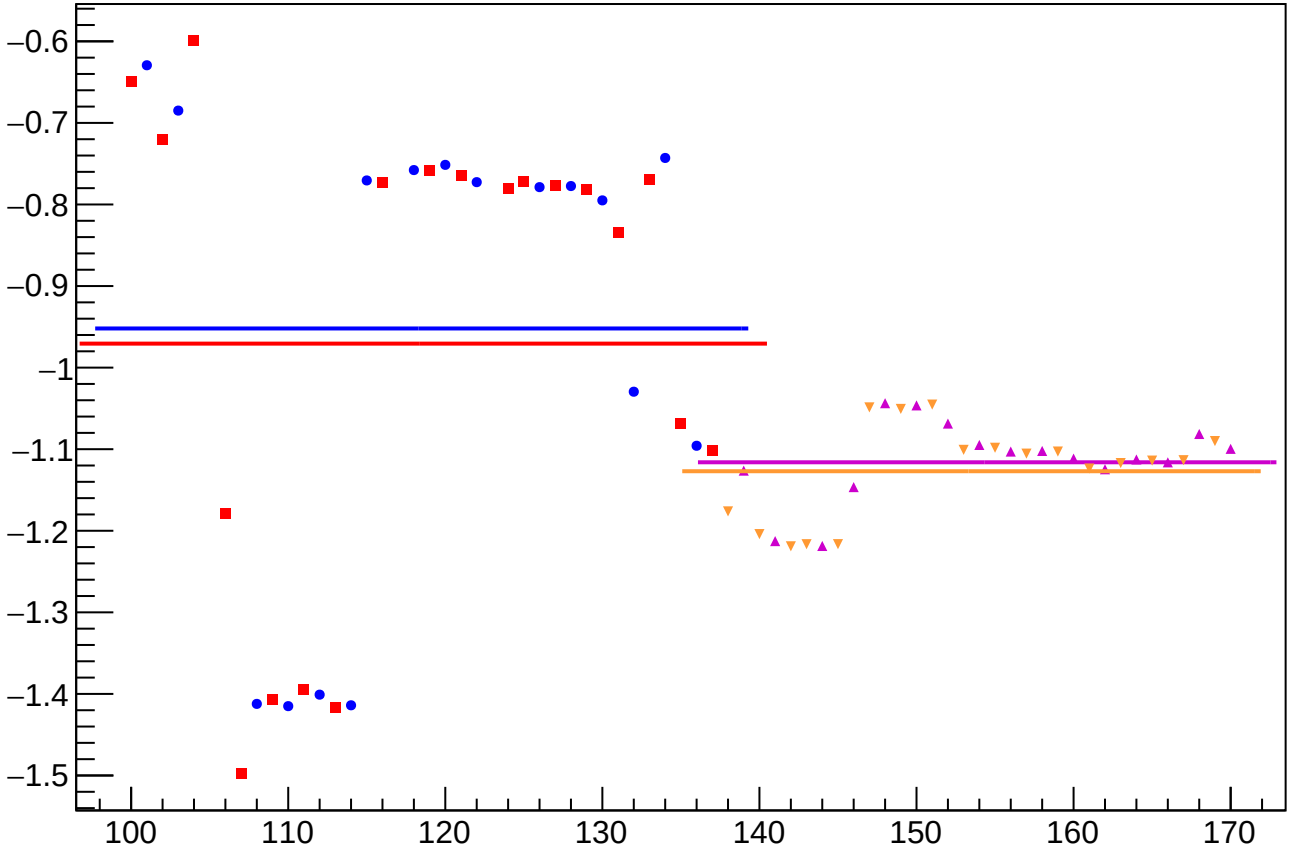
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1951802.1/31

Out: 0.011+/-0.000 χ^2/NDF:2055699.8/35

All: 0.011+/-0.000 χ^2/NDF: 4010671.5/67

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.127+/-0.000 χ^2/NDF:101153642.3/16

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.116+/-0.000 χ^2/NDF:75283376.5/15

Left: -1.122+/-0.000 χ^2/NDF: 178245055.2/32

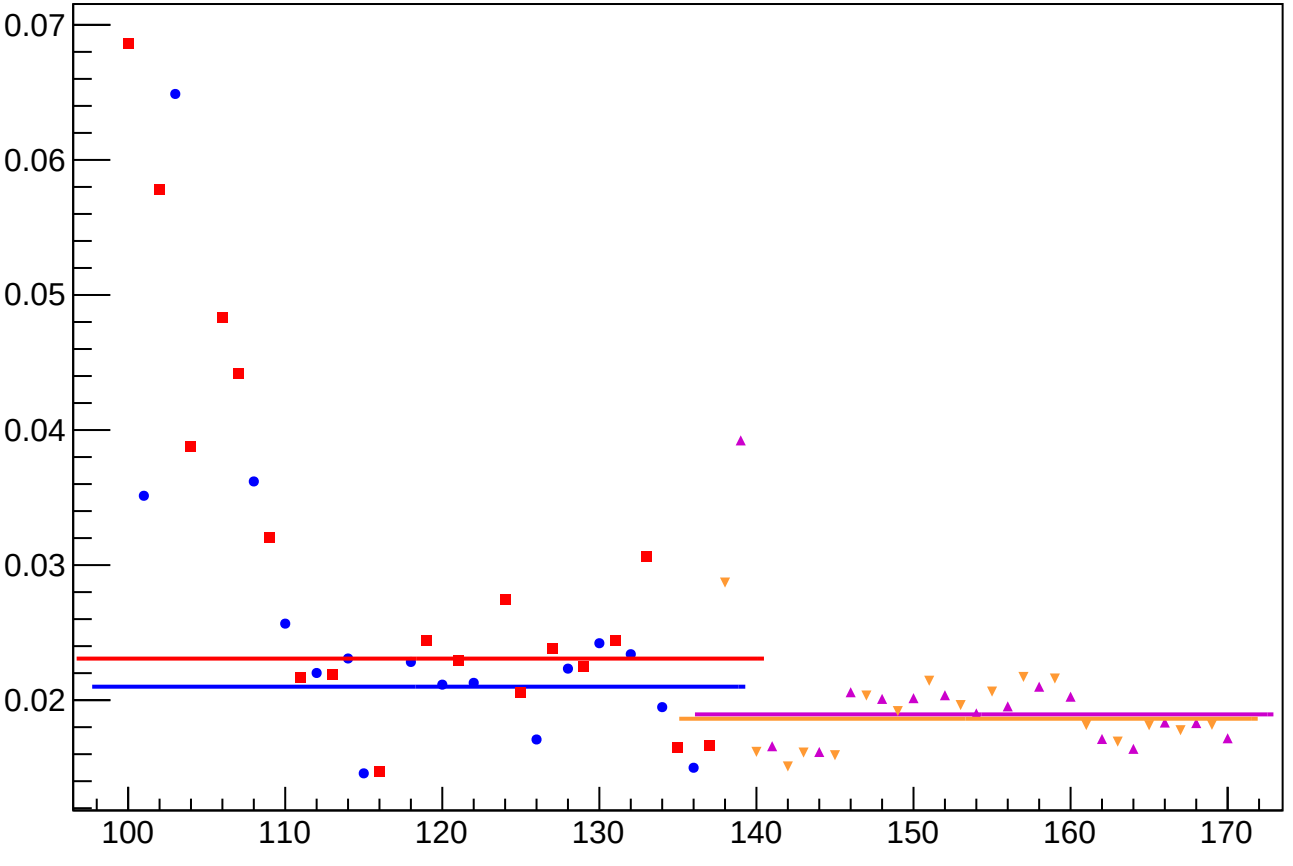
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.068+/-0.000 χ^2/NDF:1005956815.0/31

Out: -1.087+/-0.000 χ^2/NDF:1006354392.2/35

All: -1.078+/-0.000 χ^2/NDF: 2019988880.6/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:406570.5/16

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:616638.2/15

Left: 0.019+/-0.000 χ^2/NDF: 1026330.4/32

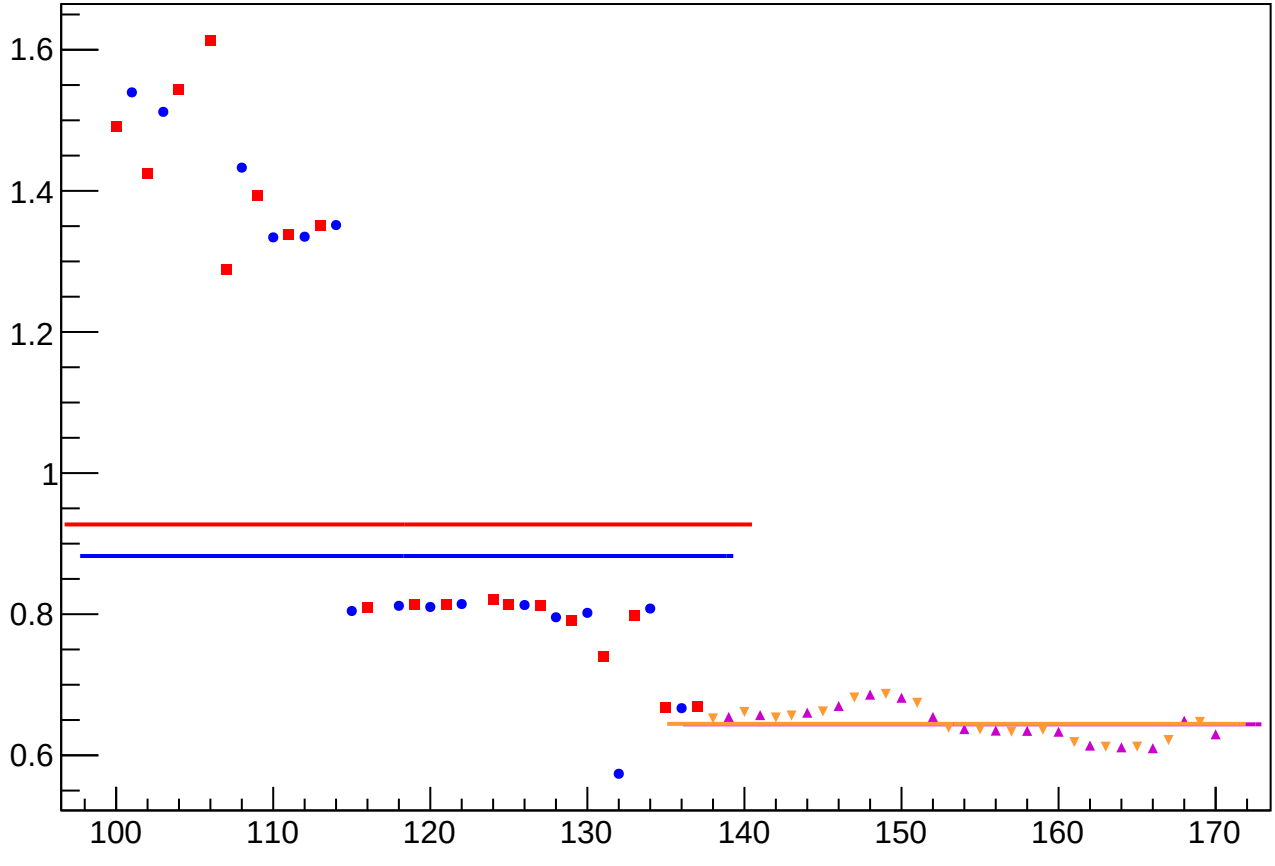
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1855920.2/31

Out: 0.020+/-0.000 χ^2/NDF:1996974.1/35

All: 0.020+/-0.000 χ^2/NDF: 3854662.1/67

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.645+/-0.000 χ^2/NDF:38301513.3/16

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.644+/-0.000 χ^2/NDF:35670051.2/15

Left: 0.644+/-0.000 χ^2/NDF: 73990252.0/32

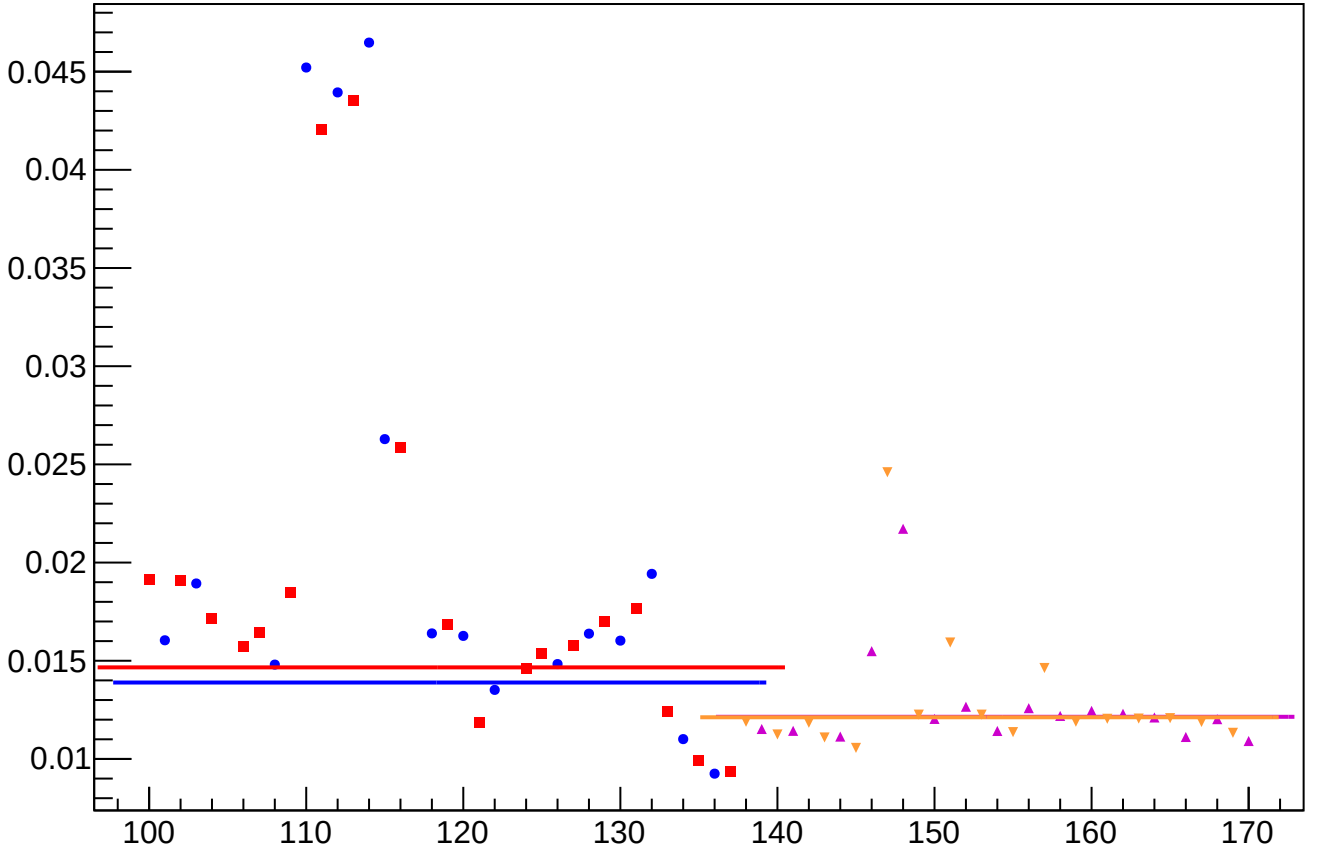
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.707+/-0.000 χ^2/NDF:4104650500.4/31

Out: 0.715+/-0.000 χ^2/NDF:4529652589.8/35

All: 0.711+/-0.000 χ^2/NDF: 8638183402.6/67

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:618413.7/16

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:449003.4/15

Left: 0.012+/-0.000 χ^2/NDF: 1067466.6/32

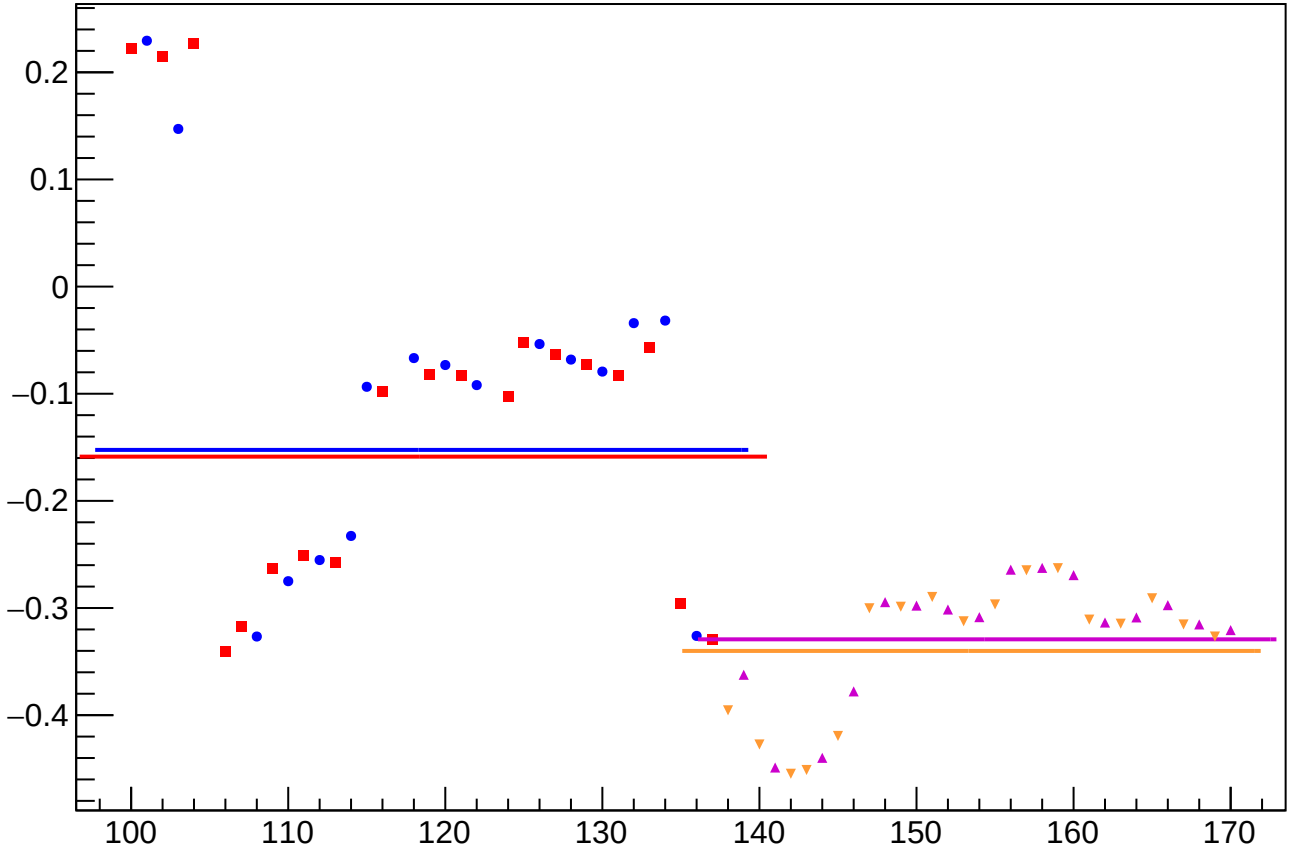
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2233318.8/31

Out: 0.013+/-0.000 χ^2/NDF:2364844.5/35

All: 0.013+/-0.000 χ^2/NDF: 4600743.1/67

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.340+/-0.000 χ^2/NDF:123752771.5/16

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.329+/-0.000 χ^2/NDF:103561306.9/15

Left: -0.335+/-0.000 χ^2/NDF: 229107240.0/32

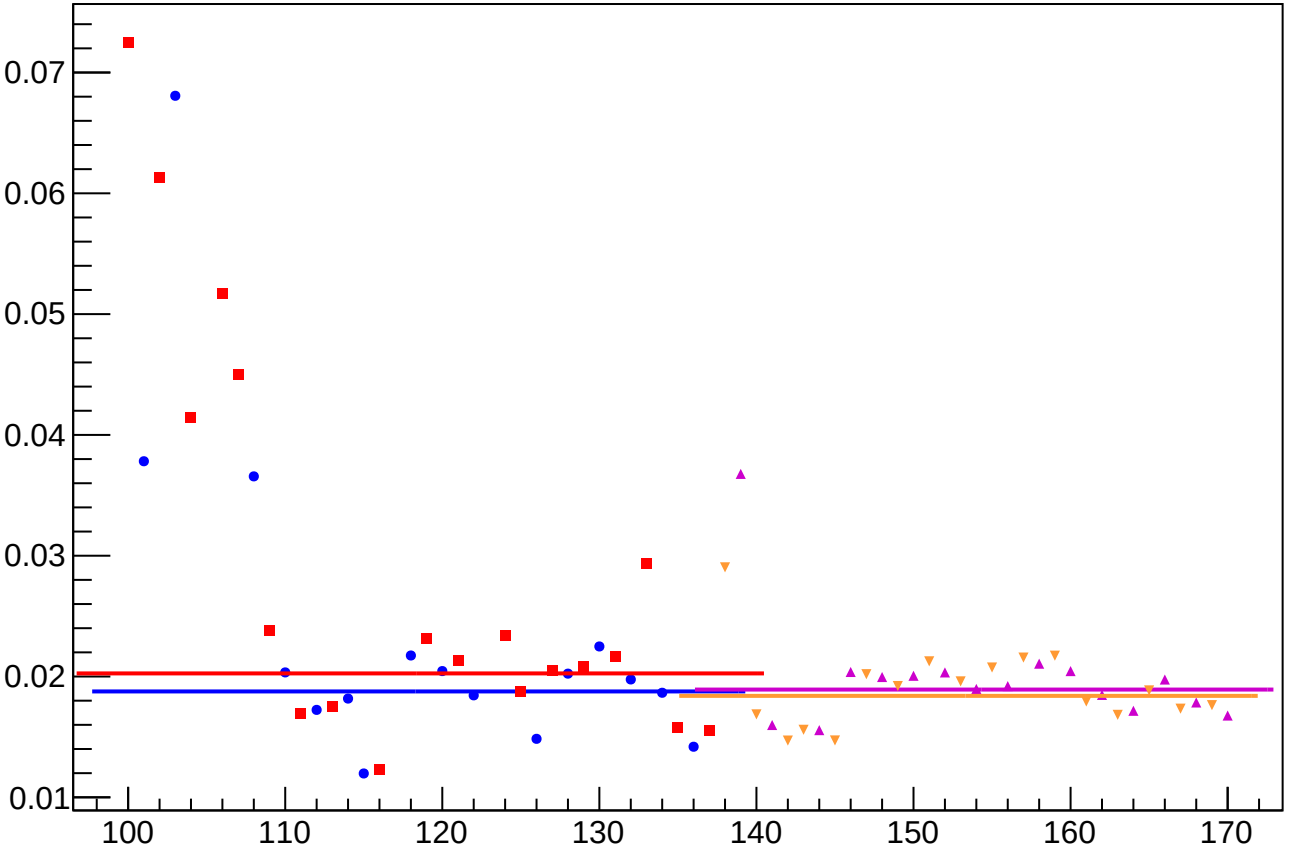
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.270+/-0.000 χ^2/NDF:689148873.3/31

Out: -0.286+/-0.000 χ^2/NDF:626807689.2/35

All: -0.278+/-0.000 χ^2/NDF: 1322159171.4/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:486992.8/16

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:586240.7/15

Left: 0.019+/-0.000 χ^2/NDF: 1081570.1/32

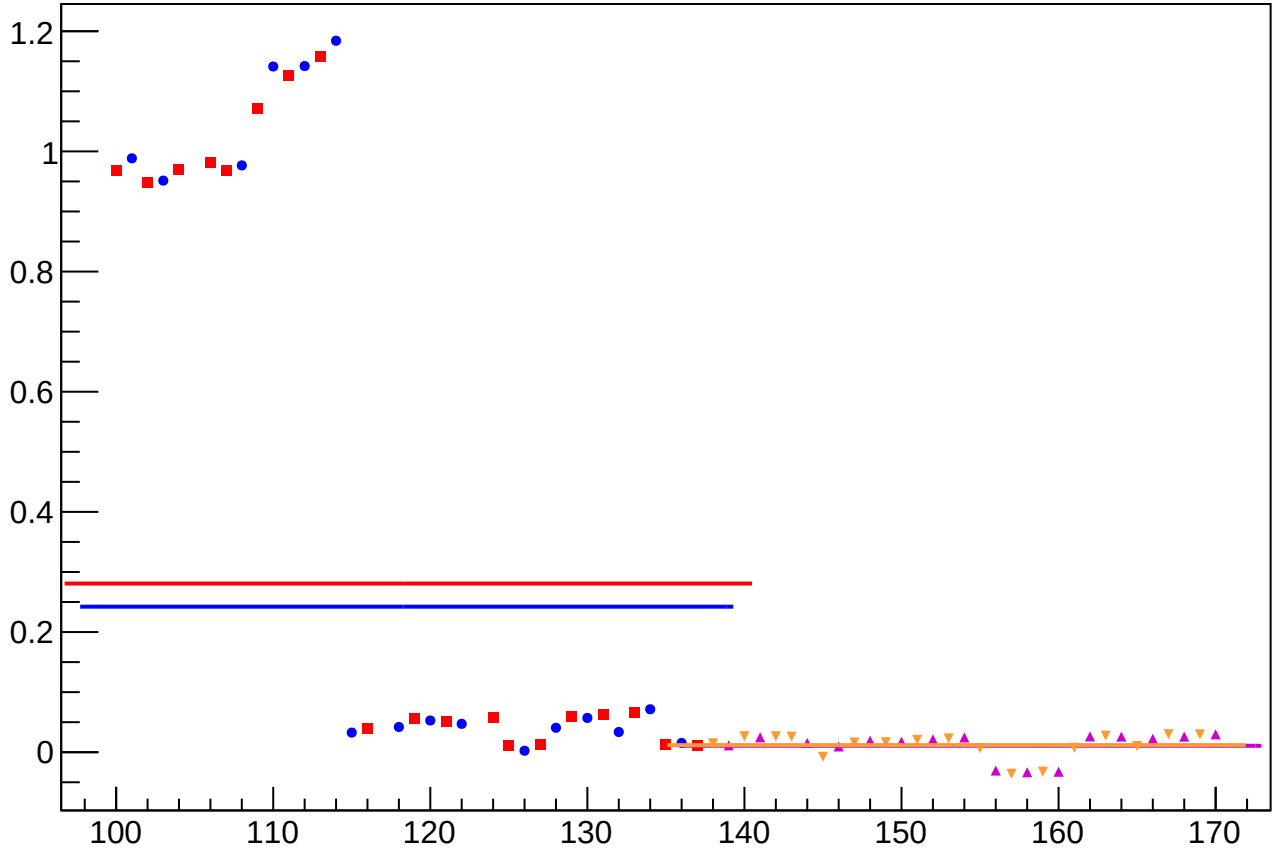
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1936132.7/31

Out: 0.019+/-0.000 χ^2/NDF:2081217.7/35

All: 0.019+/-0.000 χ^2/NDF: 4017632.4/67

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:44201370.6/16

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.011+/-0.000 χ^2/NDF:55005814.1/15

Left: 0.011+/-0.000 χ^2/NDF: 99270417.9/32

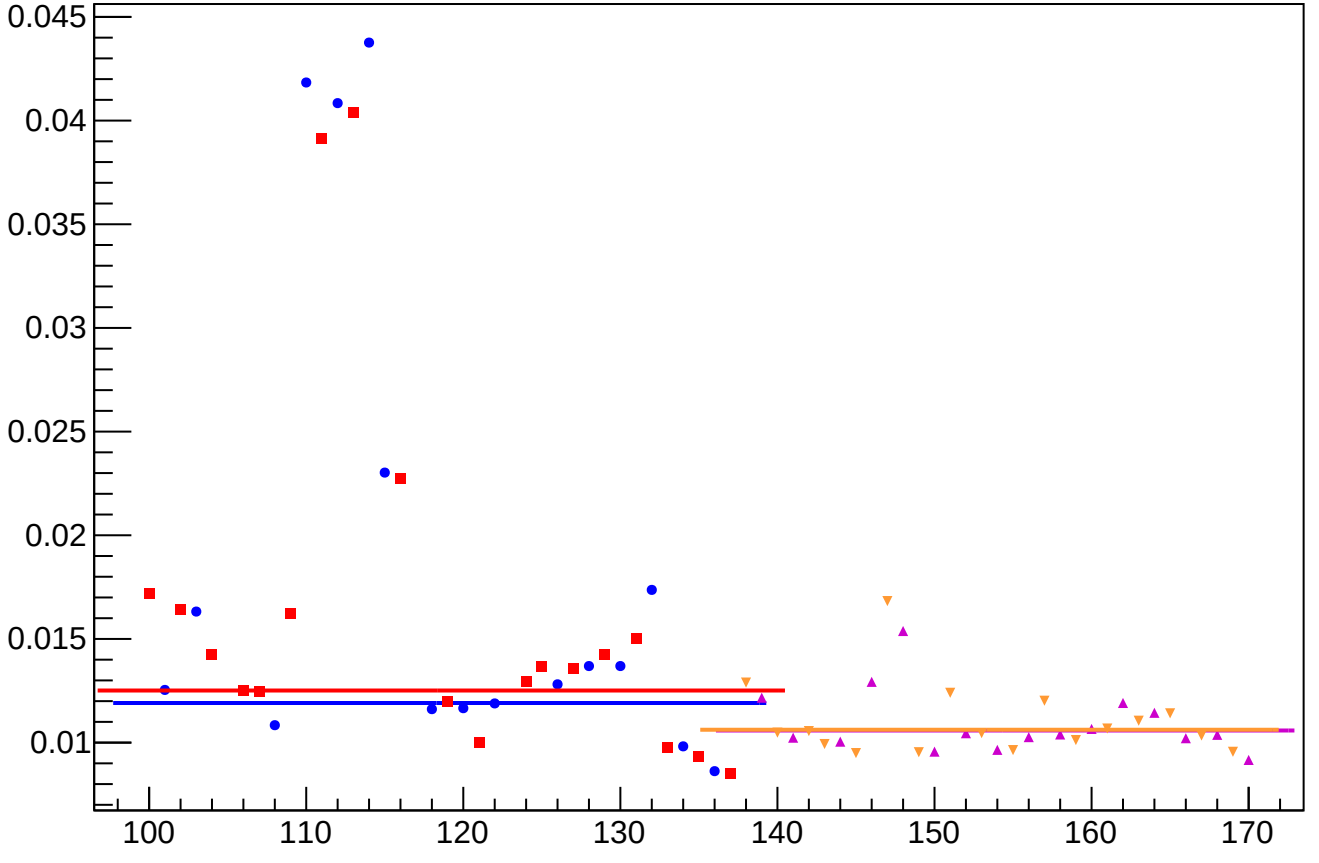
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.074+/-0.000 χ^2/NDF:8200862790.1/31

Out: 0.081+/-0.000 χ^2/NDF:8904925423.8/35

All: 0.078+/-0.000 χ^2/NDF: 17109527844.0/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:418481.4/16

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:348487.3/15

Left: 0.011+/-0.000 χ^2/NDF: 767114.2/32

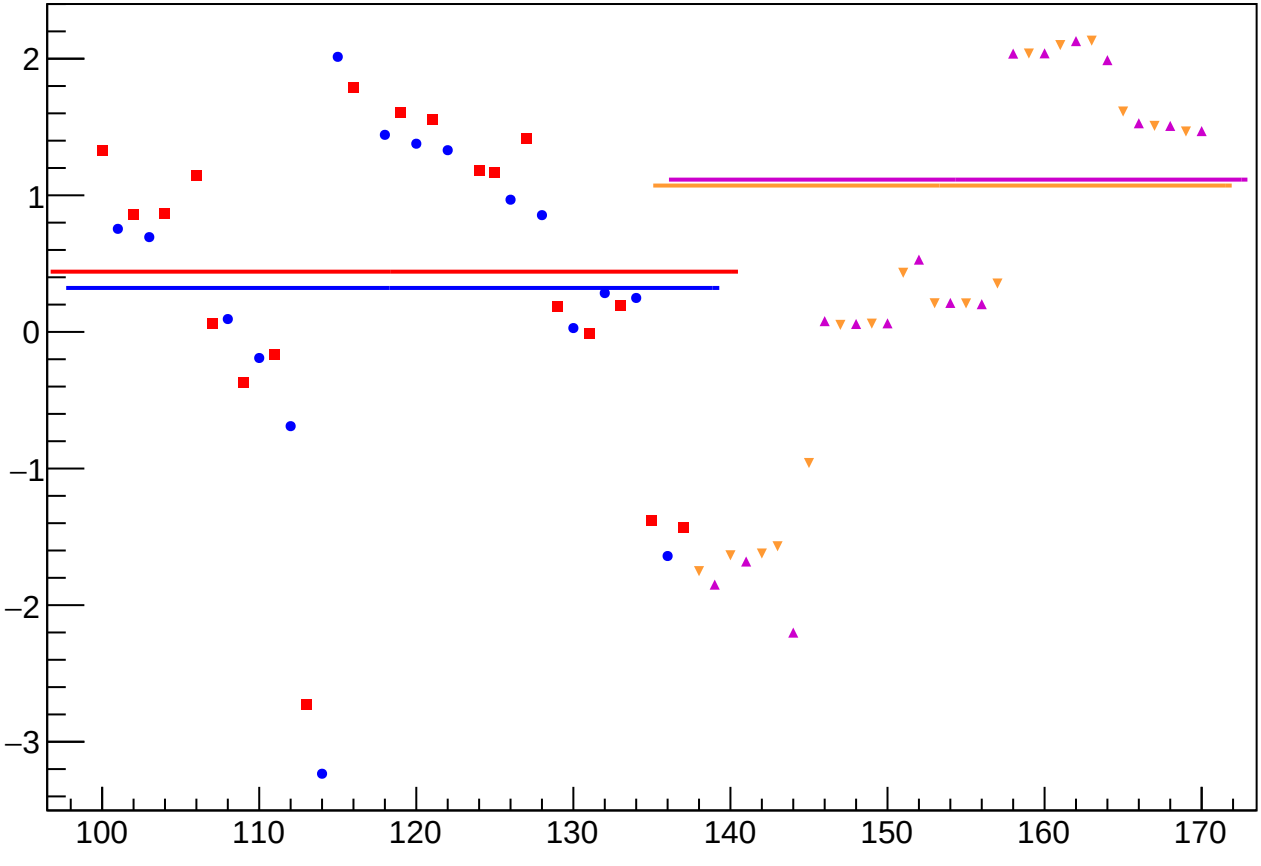
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1915350.7/31

Out: 0.011+/-0.000 χ^2/NDF:2019052.5/35

All: 0.011+/-0.000 χ^2/NDF: 3938351.8/67

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.071+/-0.000 χ^2/NDF:29057311156.2/16

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.115+/-0.000 χ^2/NDF:33344508835.3/15

Left: 1.094+/-0.000 χ^2/NDF: 62438137975.8/32

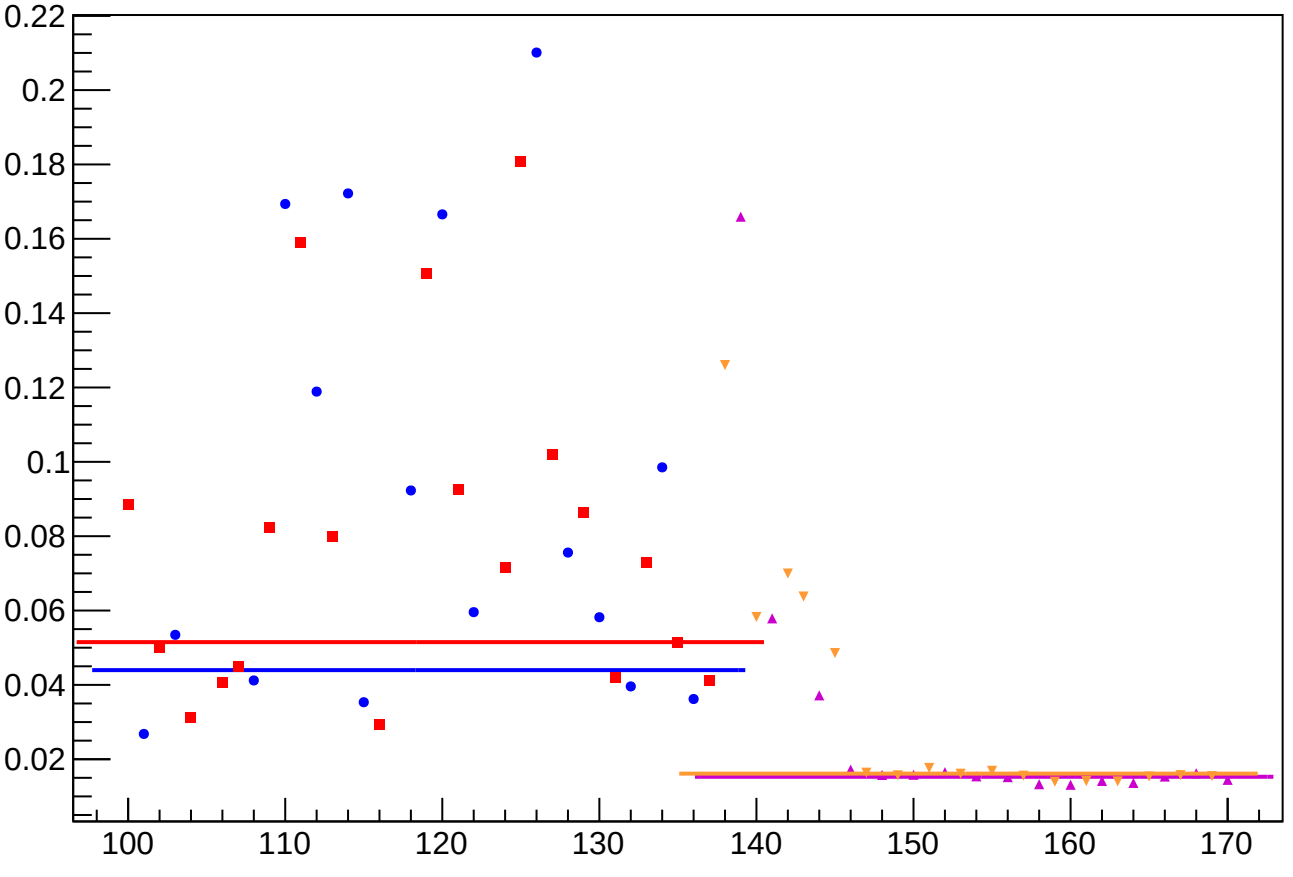
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.078+/-0.000 χ^2/NDF:36199694701.6/31

Out: 1.044+/-0.000 χ^2/NDF:31479634952.3/35

All: 1.062+/-0.000 χ^2/NDF: 67702654459.3/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2880948.9/16

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2153464.3/15

Left: 0.016+/-0.000 χ^2/NDF: 5061985.5/32

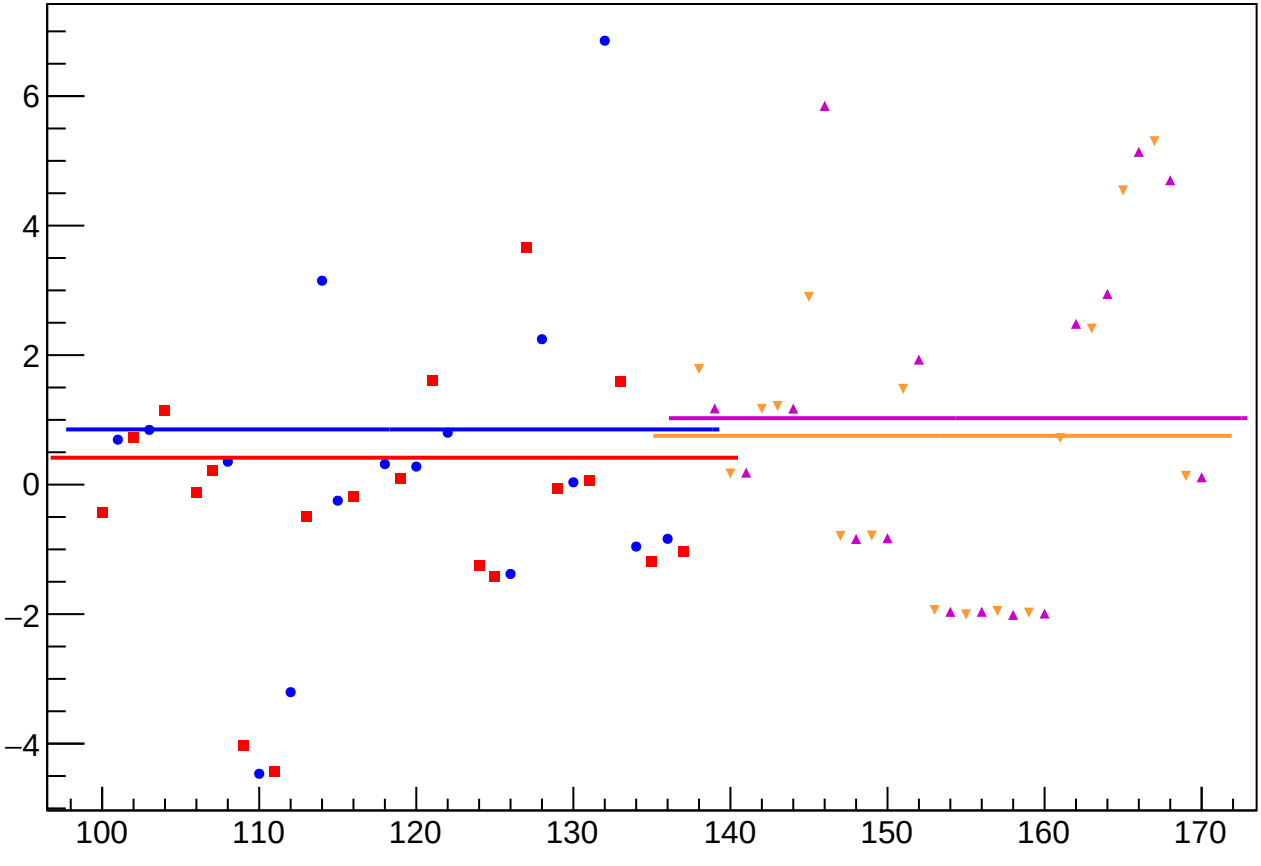
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8056490.0/31

Out: 0.018+/-0.000 χ^2/NDF:9189149.2/35

All: 0.017+/-0.000 χ^2/NDF: 17290086.8/67

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.754+/-0.000 χ^2/NDF:385072697537.9/16

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 1.026+/-0.000 χ^2/NDF:514977657985.5/15

Left: 0.895+/-0.000 χ^2/NDF: 902317285571.3/32

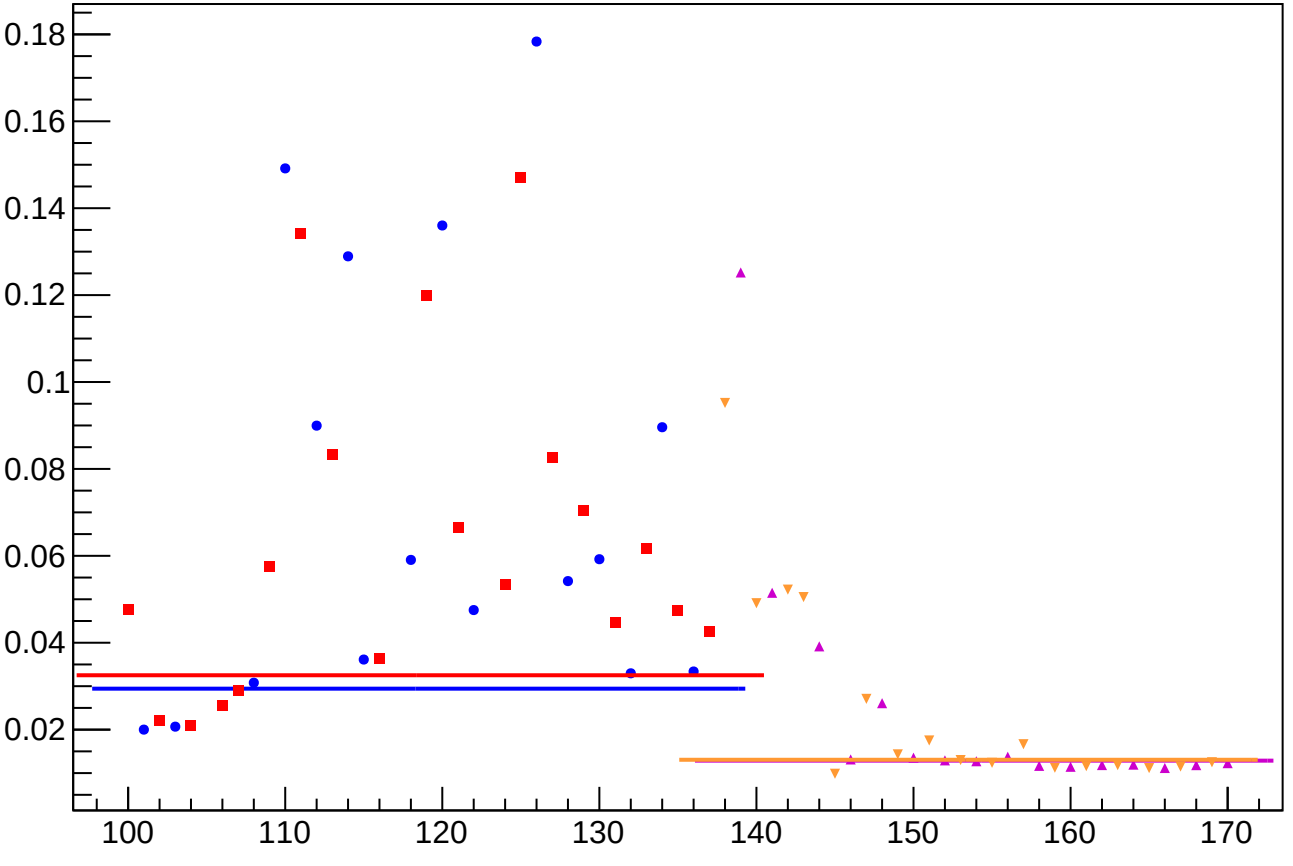
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.015+/-0.000 χ^2/NDF:526674064848.2/31

Out: 0.733+/-0.000 χ^2/NDF:390611824905.1/35

All: 0.879+/-0.000 χ^2/NDF: 919886687731.7

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:3110135.3/16

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2683735.3/15

Left: 0.013+/-0.000 χ^2/NDF: 5796363.4/32

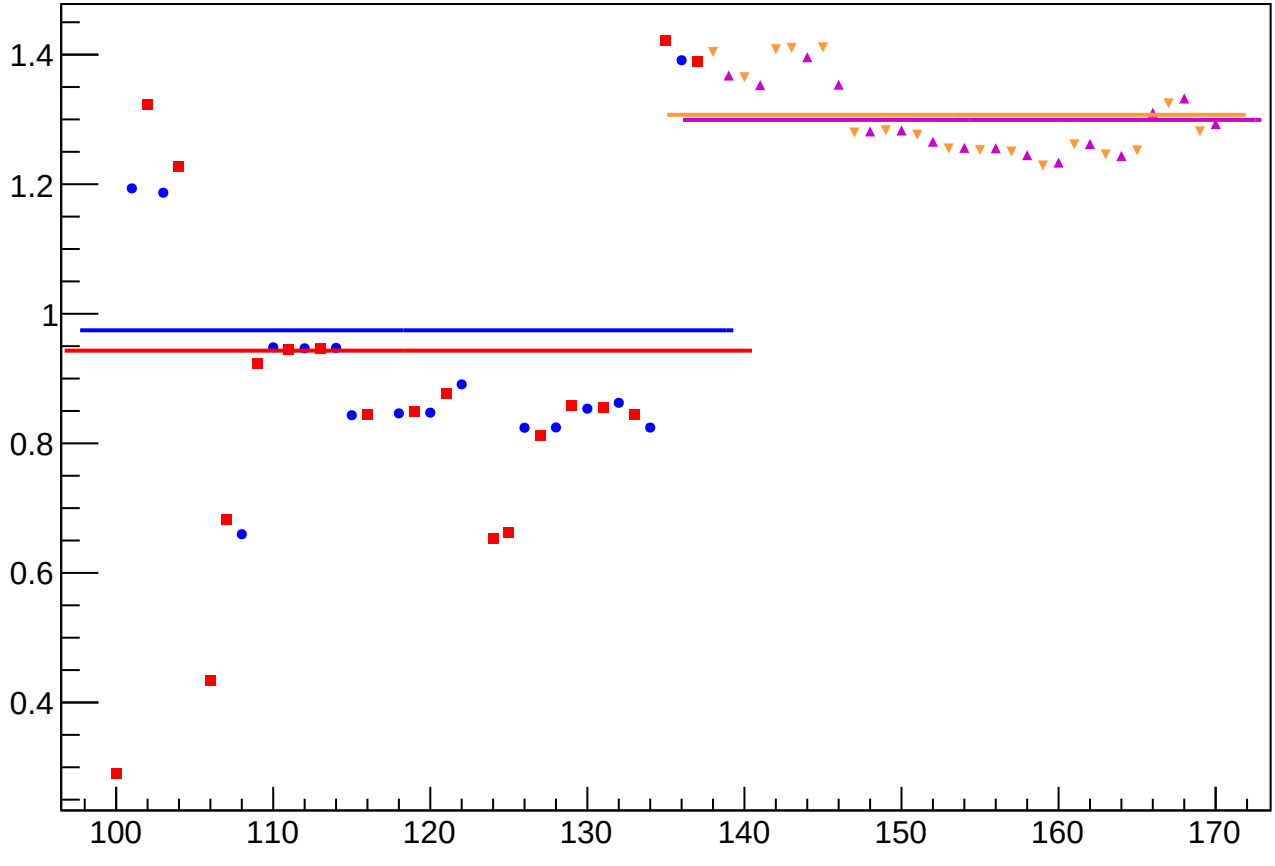
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8066653.6/31

Out: 0.014+/-0.000 χ^2/NDF:9194070.4/35

All: 0.014+/-0.000 χ^2/NDF: 17269697.7/67

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.307+/-0.000 χ^2/NDF:263245355.8/16

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.299+/-0.000 χ^2/NDF:154799114.9/15

Left: 1.303+/-0.000 χ^2/NDF: 419992000.7/32

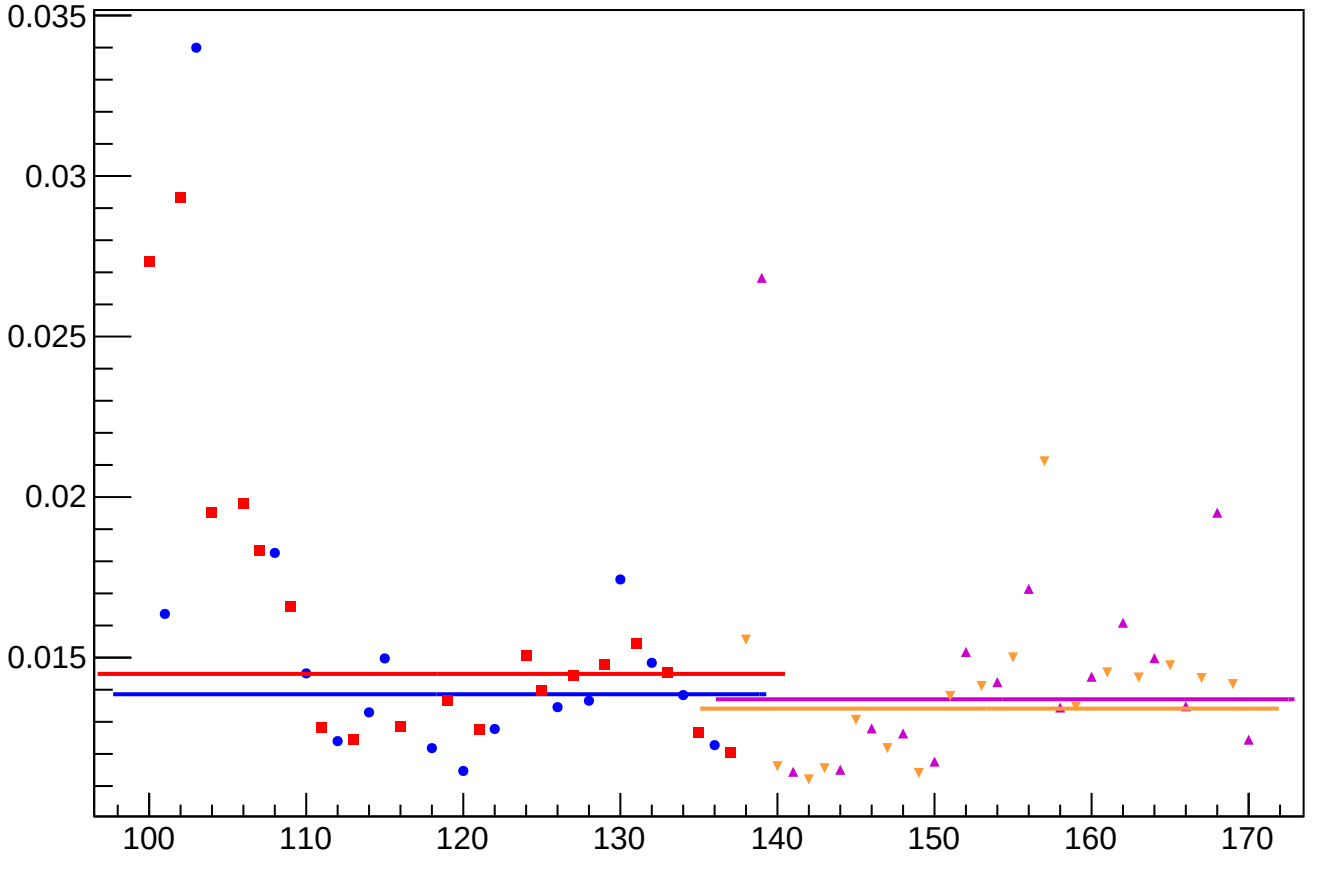
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.187+/-0.000 χ^2/NDF:3848824154.7/31

Out: 1.190+/-0.000 χ^2/NDF:4676887816.3/35

All: 1.189+/-0.000 χ^2/NDF: 8526095536.5/67

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:412606.2/16

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842296.9/15

Left: 0.014+/-0.000 χ^2/NDF: 1260202.3/32

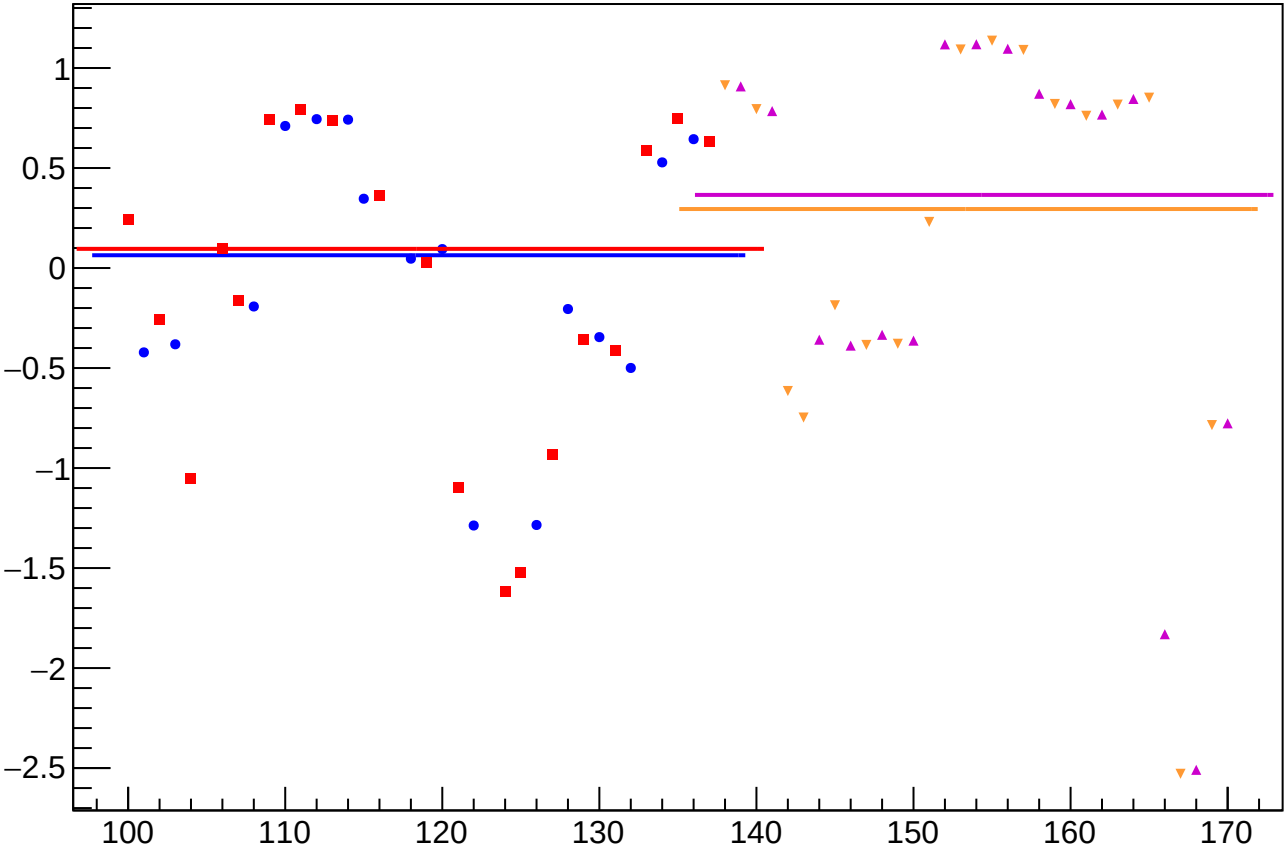
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1443308.7/31

Out: 0.014+/-0.000 χ^2/NDF:1005273.4/35

All: 0.014+/-0.000 χ^2/NDF: 2448583.1/67

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.295+/-0.000 χ^2/NDF:72500761588.3/16

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.366+/-0.000 χ^2/NDF:83510806883.0/15

Left: 0.331+/-0.000 χ^2/NDF: 156223271251.2/32

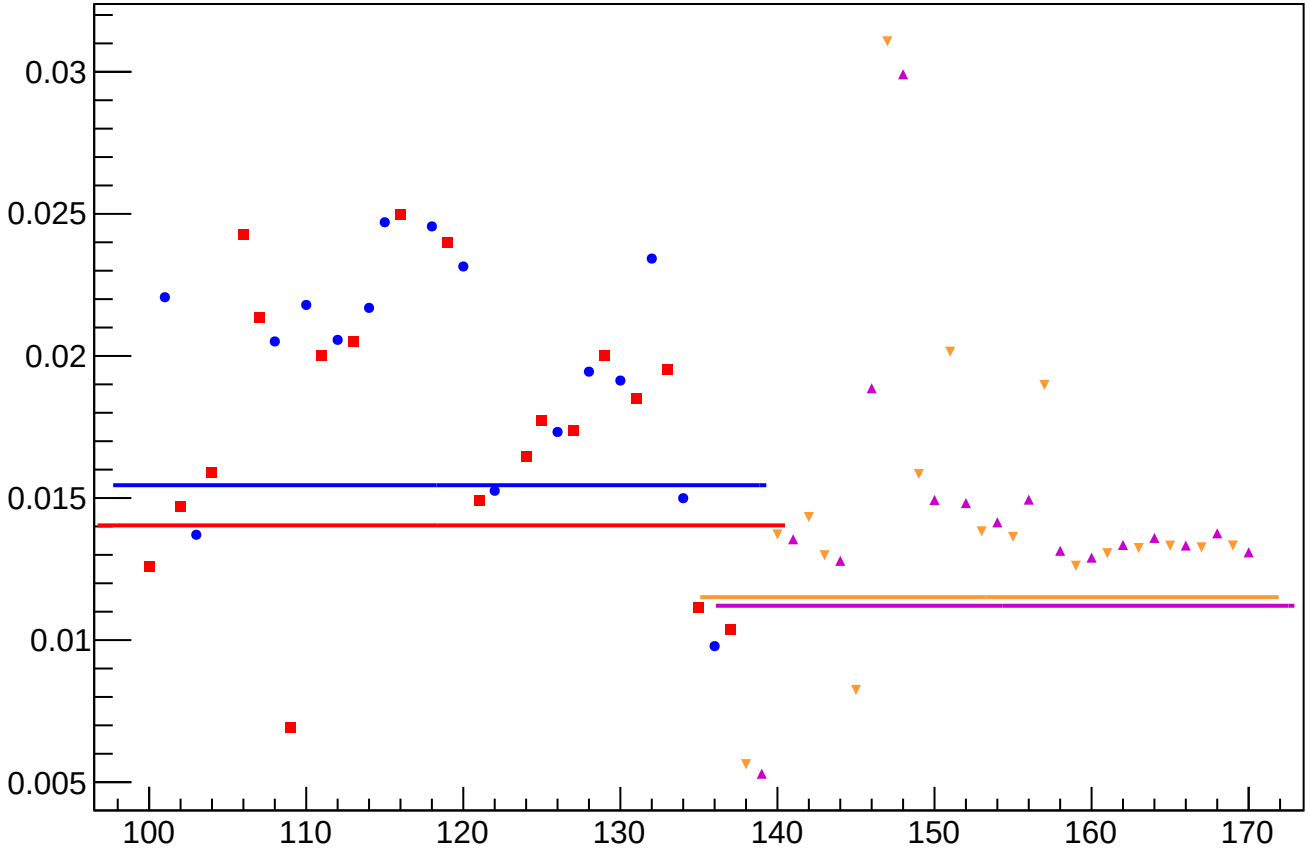
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.298+/-0.000 χ^2/NDF:96320119474.3/31

Out: 0.243+/-0.000 χ^2/NDF:91157399649.1/35

All: 0.270+/-0.000 χ^2/NDF: 187647055201.9

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:3134577.2/16

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3566428.0/15

Left: 0.011+/-0.000 χ^2/NDF: 6708785.4/32

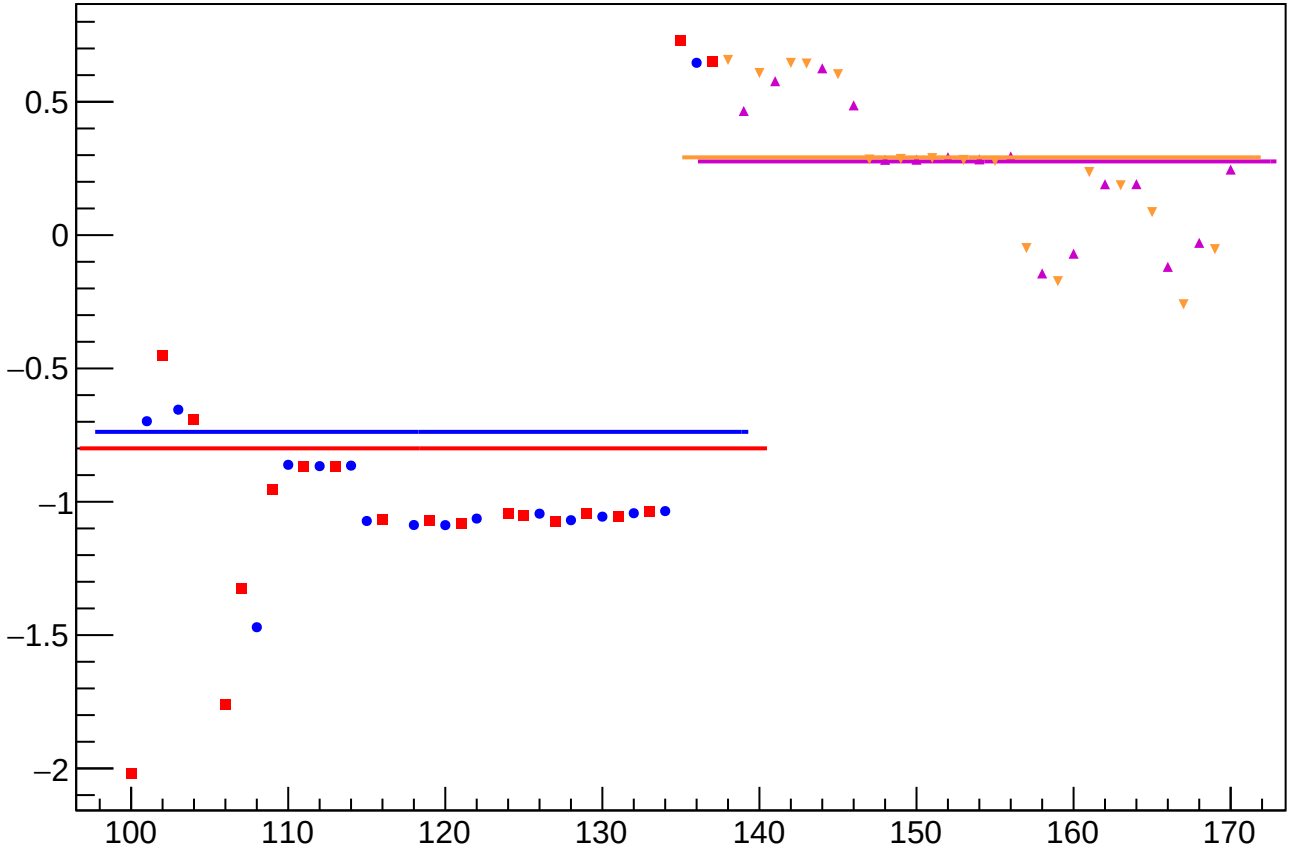
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5561316.5/31

Out: 0.012+/-0.000 χ^2/NDF:5101634.4/35

All: 0.012+/-0.000 χ^2/NDF: 10662962.1/67

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:738314460.4/16

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.276+/-0.000 χ^2/NDF:501775340.7/15

Left: 0.284+/-0.000 χ^2/NDF: 1241185611.5/32

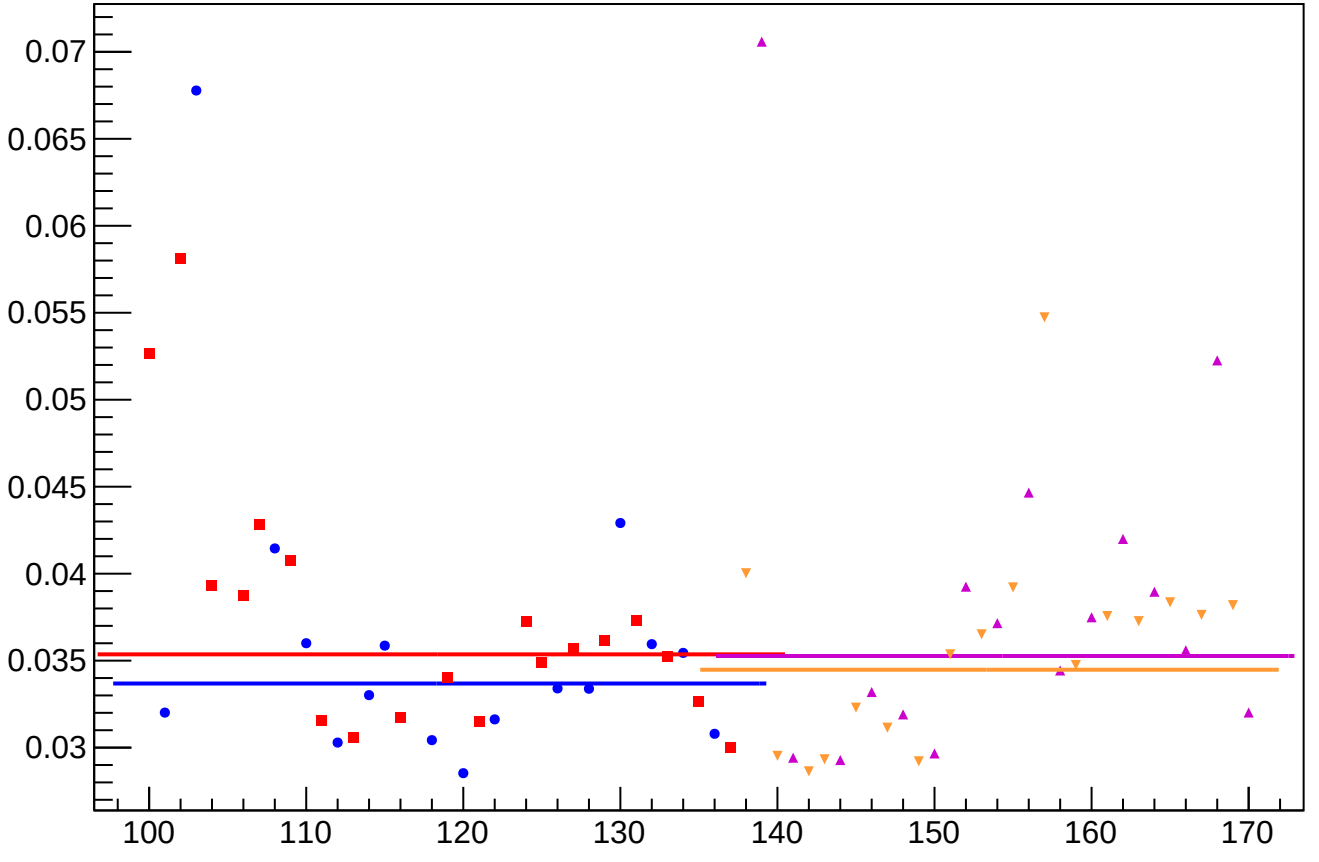
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.106+/-0.000 χ^2/NDF:6131100022.8/31

Out: -0.089+/-0.000 χ^2/NDF:6630540880.9/35

All: -0.098+/-0.000 χ^2/NDF: 12763784192.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:462551.4/16

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929092.3/15

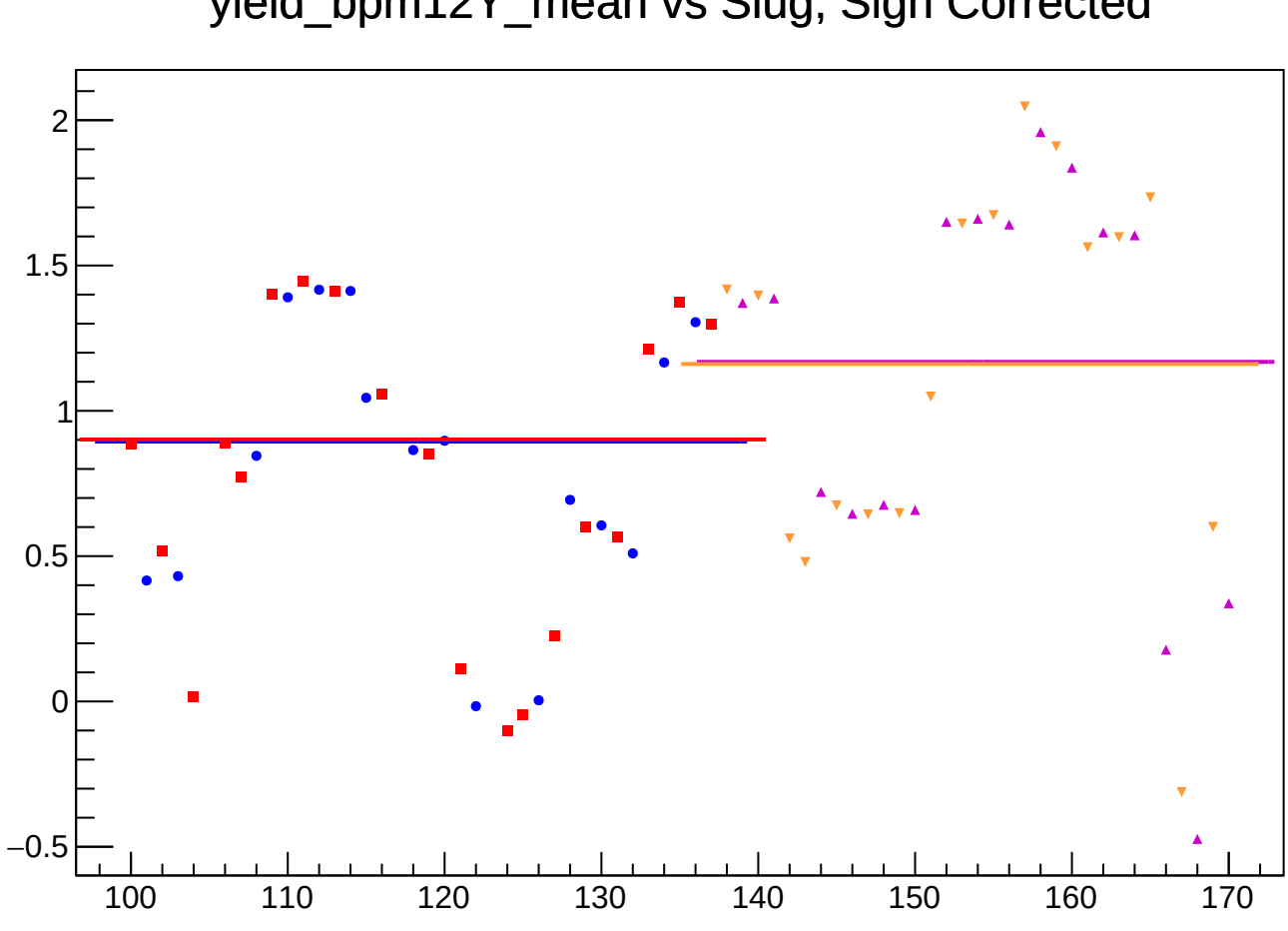
Left: 0.035+/-0.000 χ^2/NDF: 1397508.4/32

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

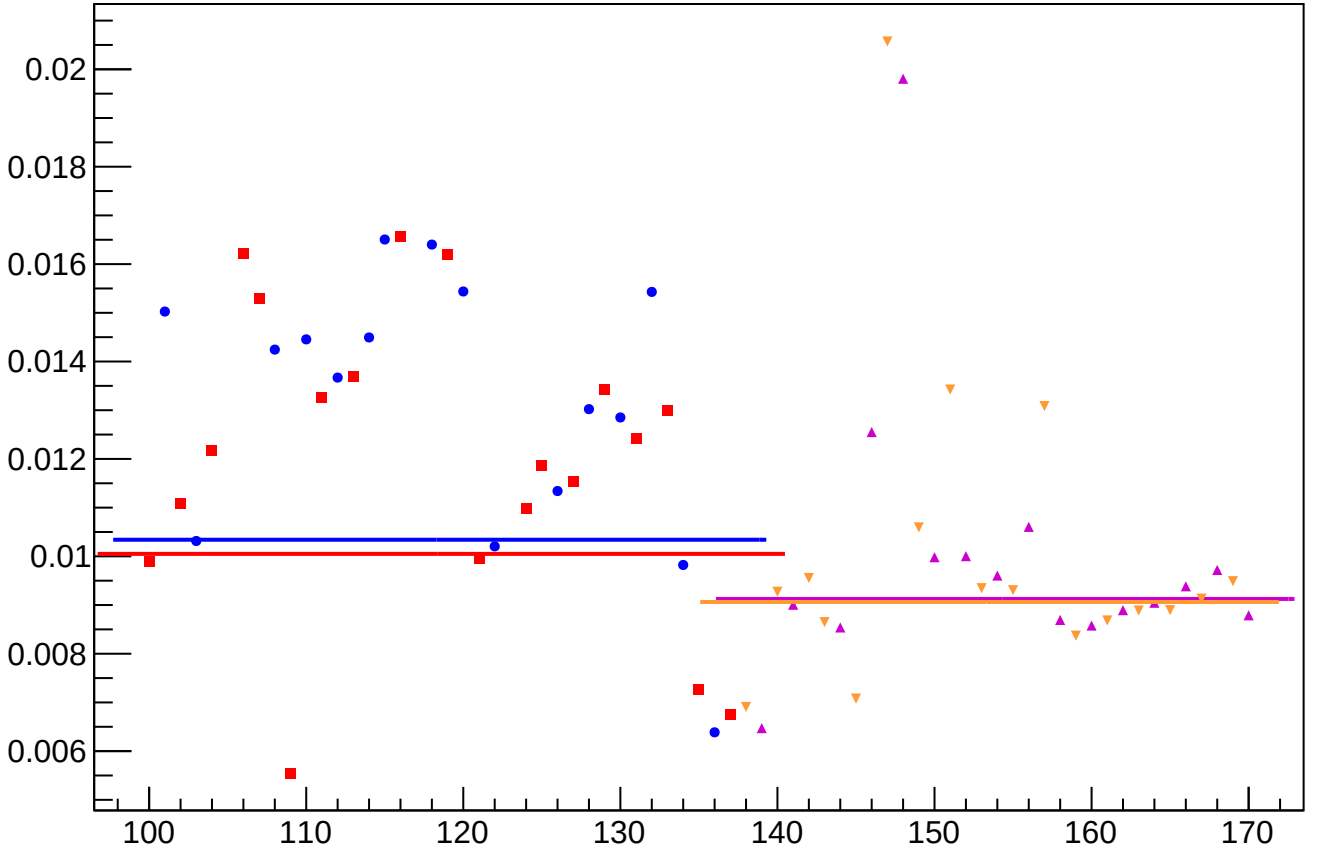
In: 0.035+/-0.000 χ^2/NDF:1366637.3/31

Out: 0.035+/-0.000 χ^2/NDF:764173.8/35

All: 0.035+/-0.000 χ^2/NDF: 2131010.3/67


yield_bpm12Y_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
170
Right In: 0.894+/-0.000 χ²/NDF: 12749707787.6/15
Left Out: 1.161+/-0.000 χ²/NDF:58342106663.3/16
Right Out: 0.902+/-0.000 χ²/NDF: 17893051843.7/18
Left In: 1.168+/-0.000 χ²/NDF:65081580843.2/15
Left: 1.165+/-0.000 χ²/NDF: 123427645894.4/32
Right: 0.898+/-0.000 χ²/NDF: 30644277544.6/34
In: 1.092+/-0.000 χ²/NDF:80861587495.0/31
Out: 1.086+/-0.000 χ²/NDF:79126725256.3/35
All: 1.089+/-0.000 χ²/NDF: 159992147077.1

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:1127238.1/16

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:927418.2/15

Left: 0.009+/-0.000 χ^2/NDF: 2055230.3/32

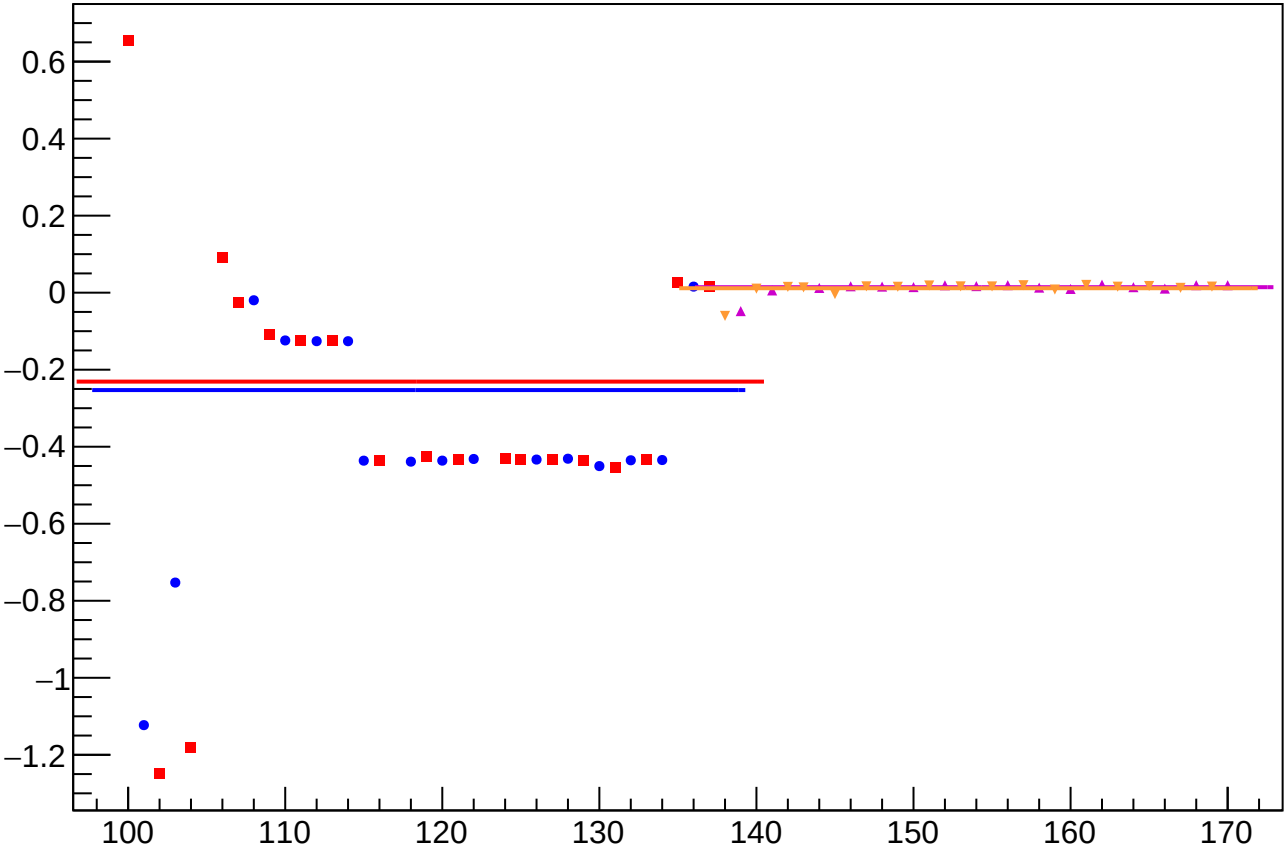
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2397070.6/31

Out: 0.009+/-0.000 χ^2/NDF:2547817.7/35

All: 0.009+/-0.000 χ^2/NDF: 4947599.3/67

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:23224505.4/16

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6698040.6/15

Left: 0.013+/-0.000 χ^2/NDF: 30357941.7/32

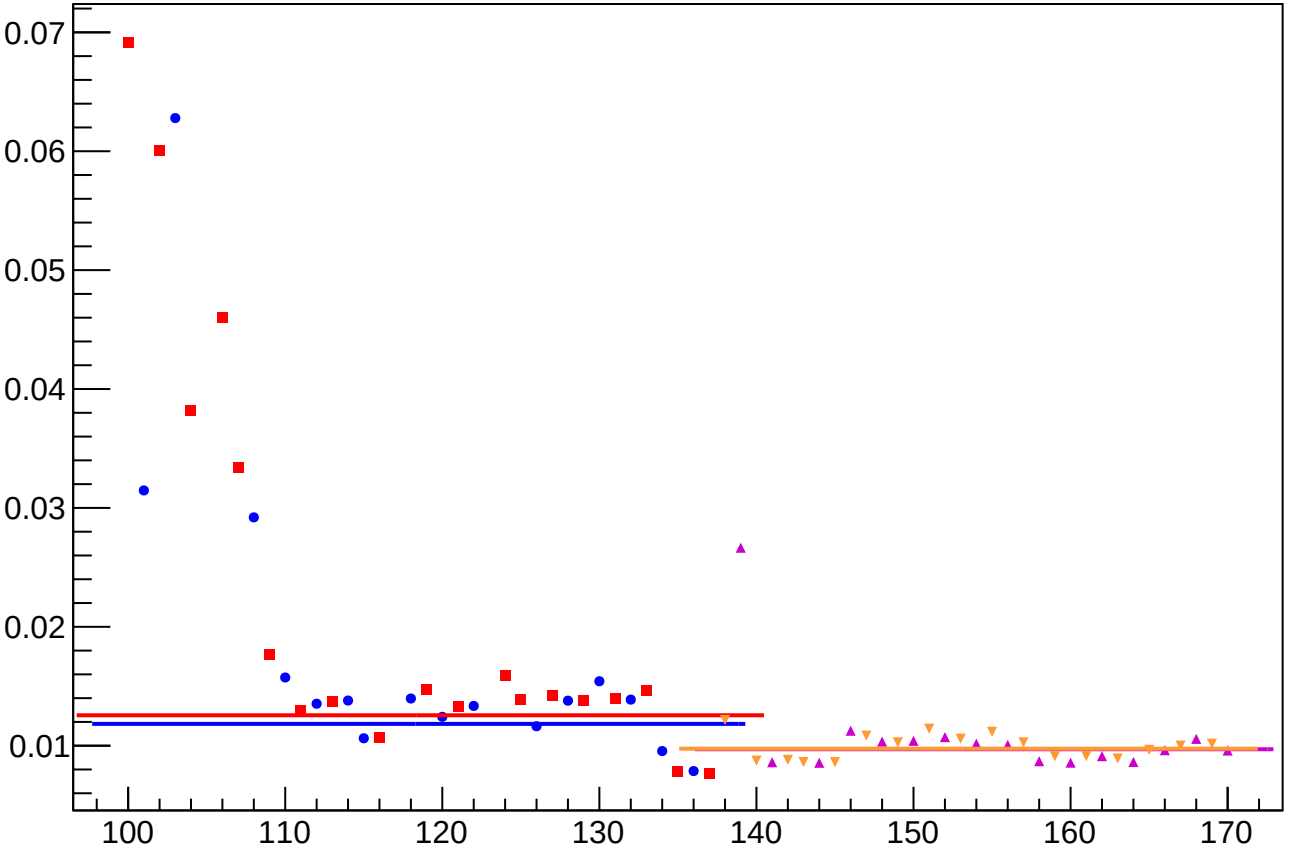
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.049+/-0.000 χ^2/NDF:3970653054.2/31

Out: -0.040+/-0.000 χ^2/NDF:3302030452.8/35

All: -0.044+/-0.000 χ^2/NDF: 7278265283.7/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:225991.9/16

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:856469.8/15

Left: 0.010+/-0.000 χ^2/NDF: 1082713.0/32

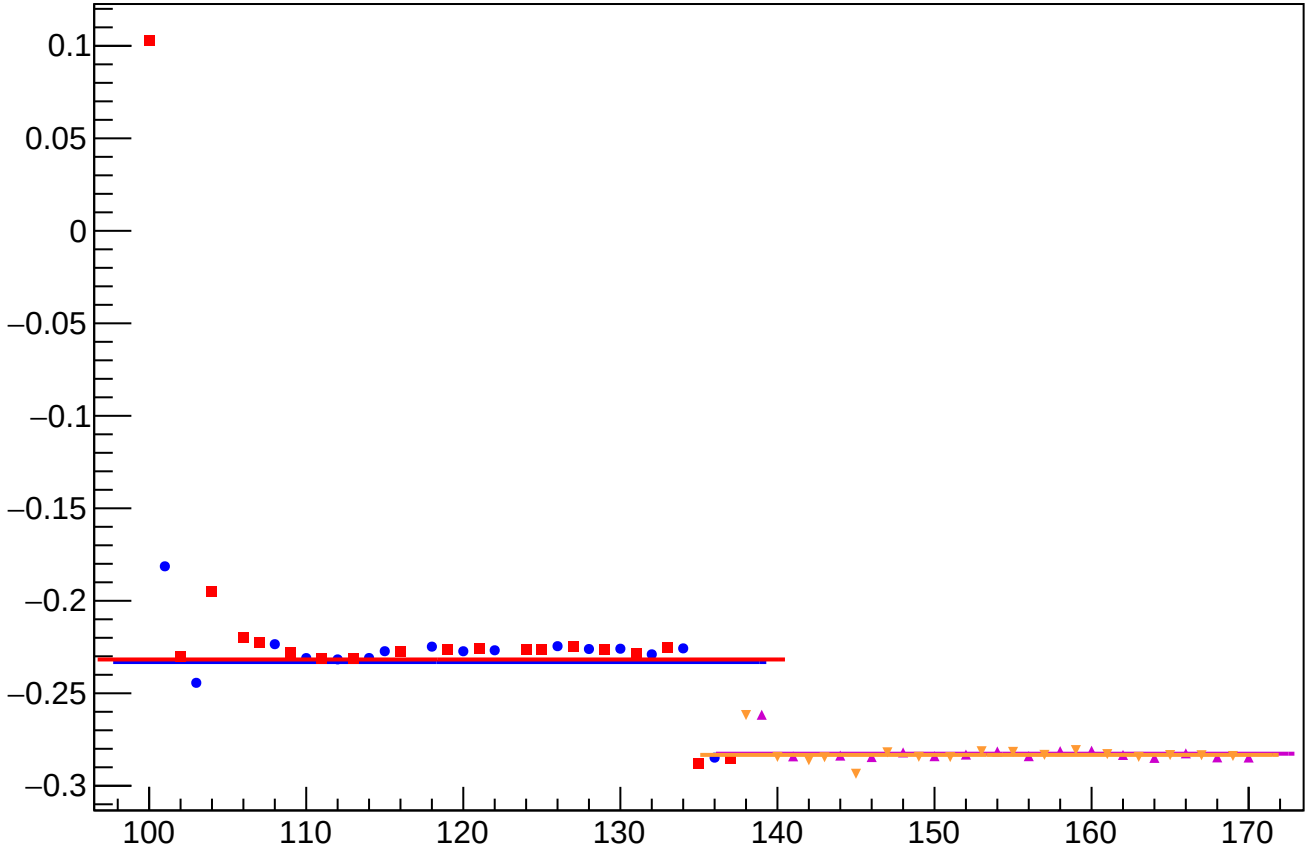
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3045695.4/31

Out: 0.010+/-0.000 χ^2/NDF:2838421.6/35

All: 0.010+/-0.000 χ^2/NDF: 5887147.0/67

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:15027655.2/16

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:6766351.5/15

Left: -0.283+/-0.000 χ^2/NDF: 21889955.0/32

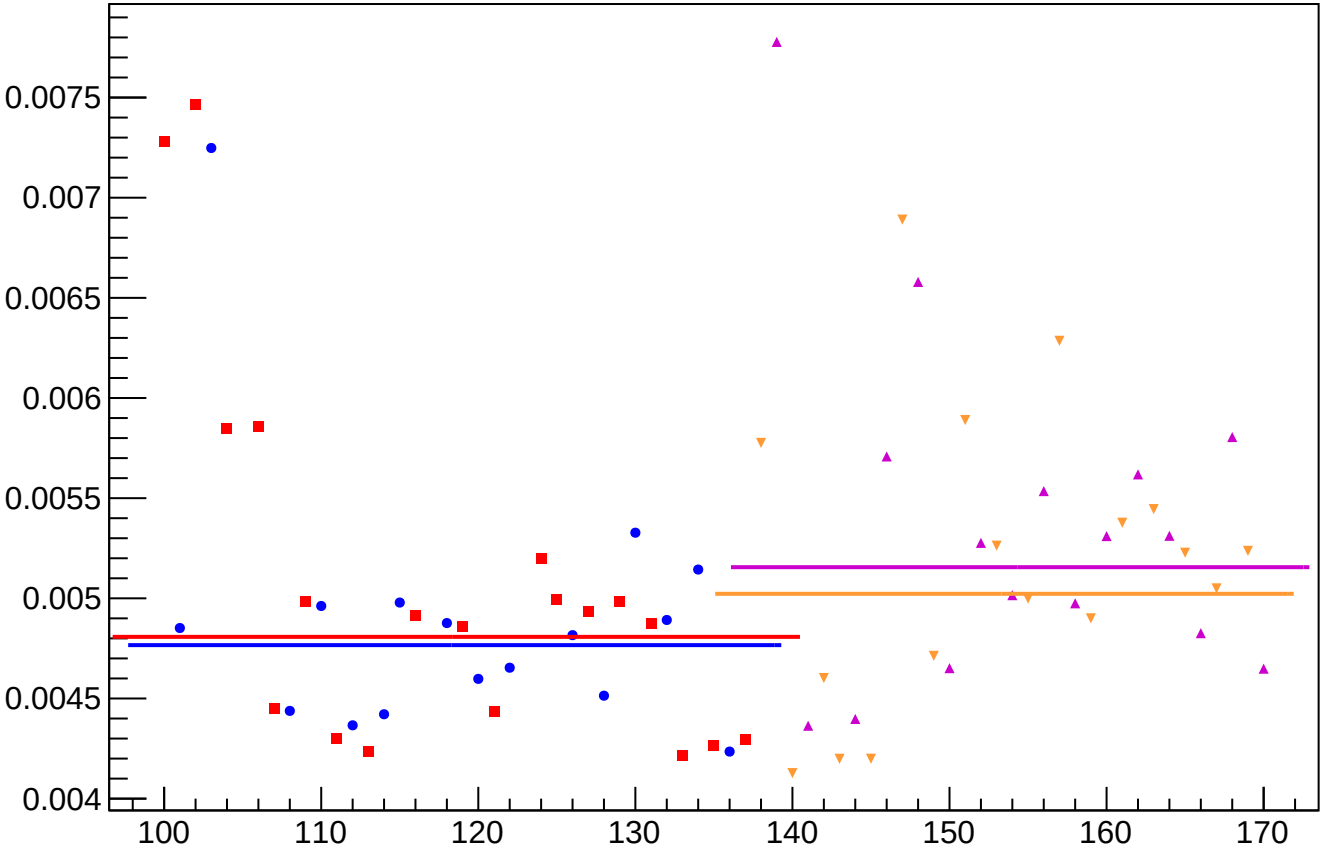
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.264+/-0.000 χ^2/NDF:637353094.6/31

Out: -0.264+/-0.000 χ^2/NDF:787430713.9/35

All: -0.264+/-0.000 χ^2/NDF: 1424820286.6/6

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:456032.1/16

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463091.8/15

Left: 0.005+/-0.000 χ^2/NDF: 927535.6/32

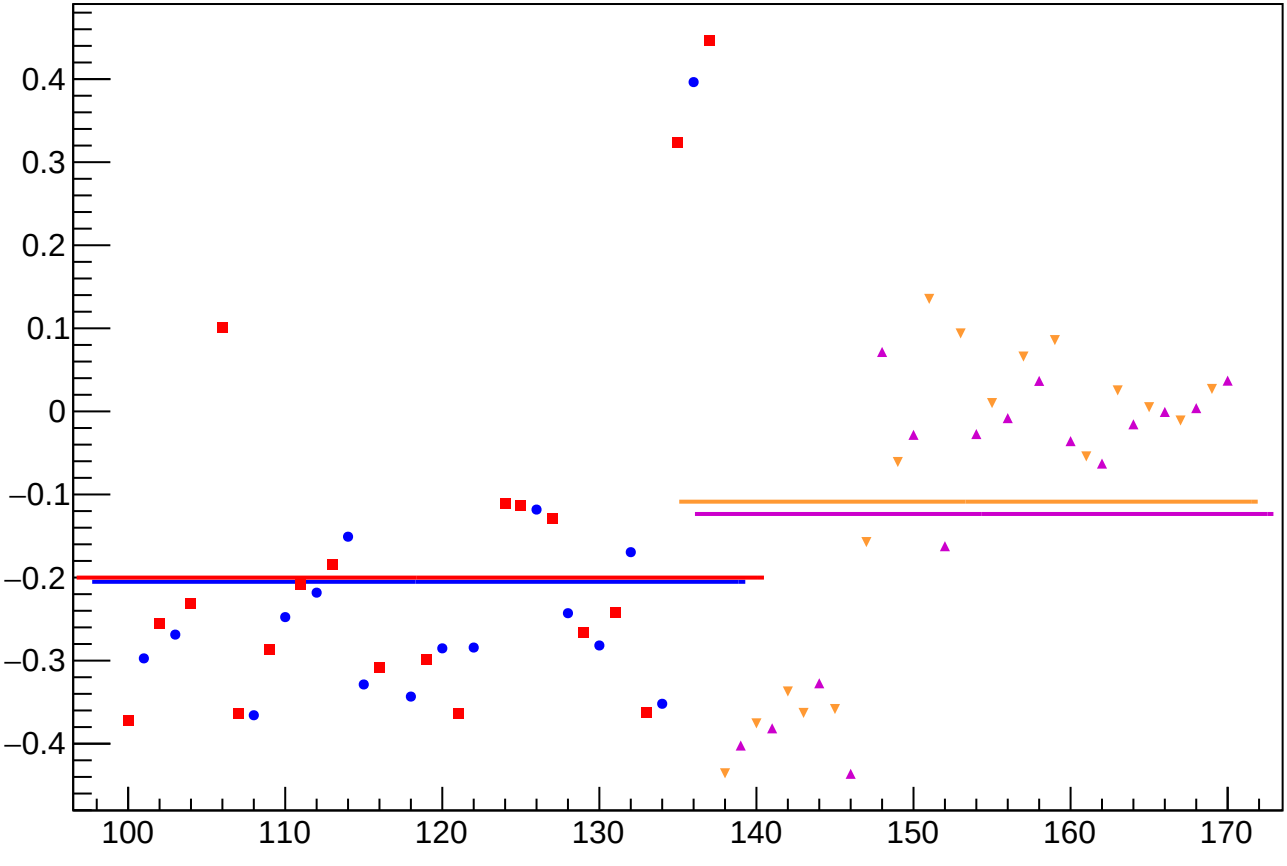
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708057.8/31

Out: 0.005+/-0.000 χ^2/NDF:766623.8/35

All: 0.005+/-0.000 χ^2/NDF: 1477893.9/67

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.109+/-0.000 χ^2/NDF:15623610881.8/16

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.123+/-0.000 χ^2/NDF:11570613440.6/15

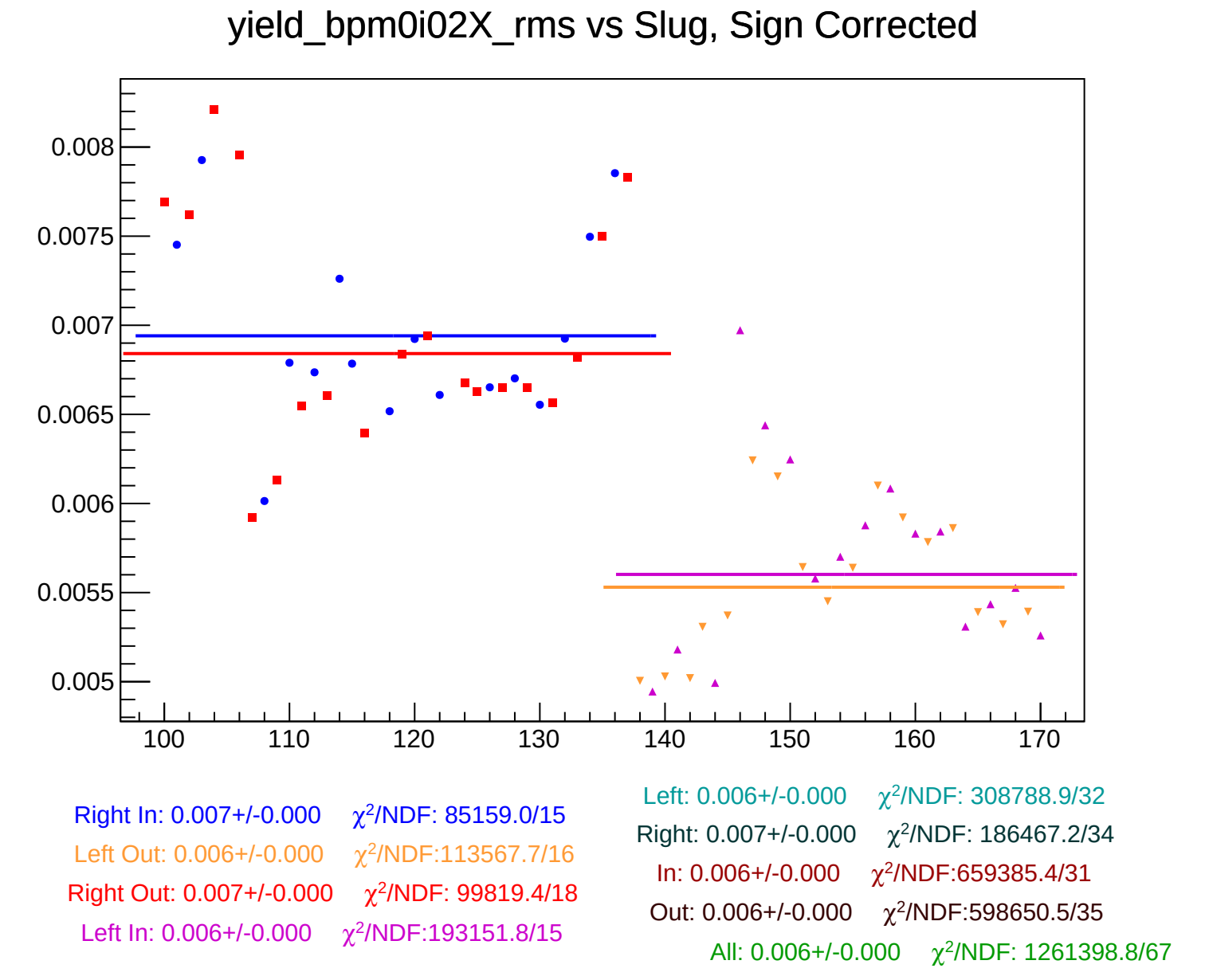
Left: -0.116+/-0.000 χ^2/NDF: 27238154139.8/32

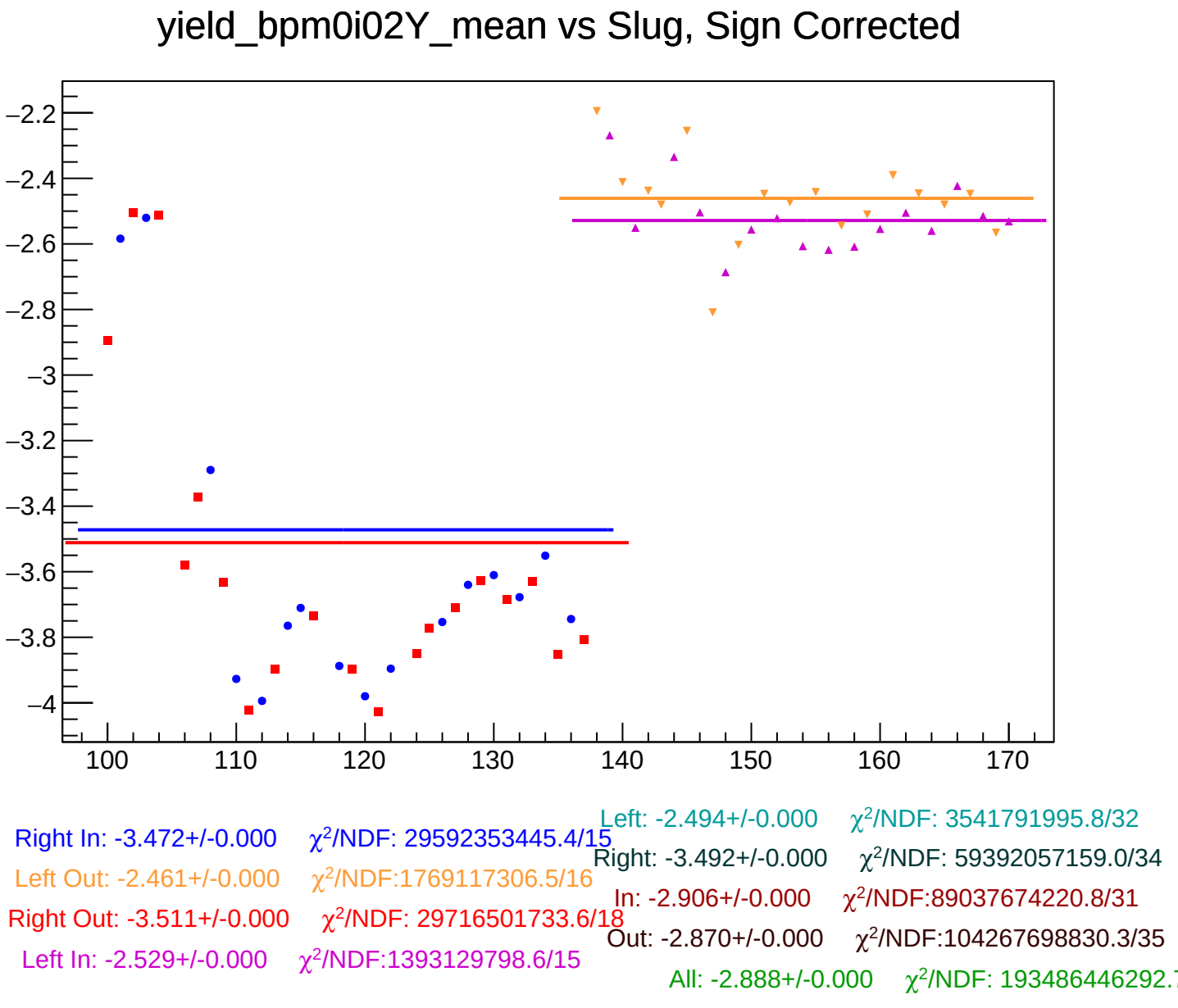
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

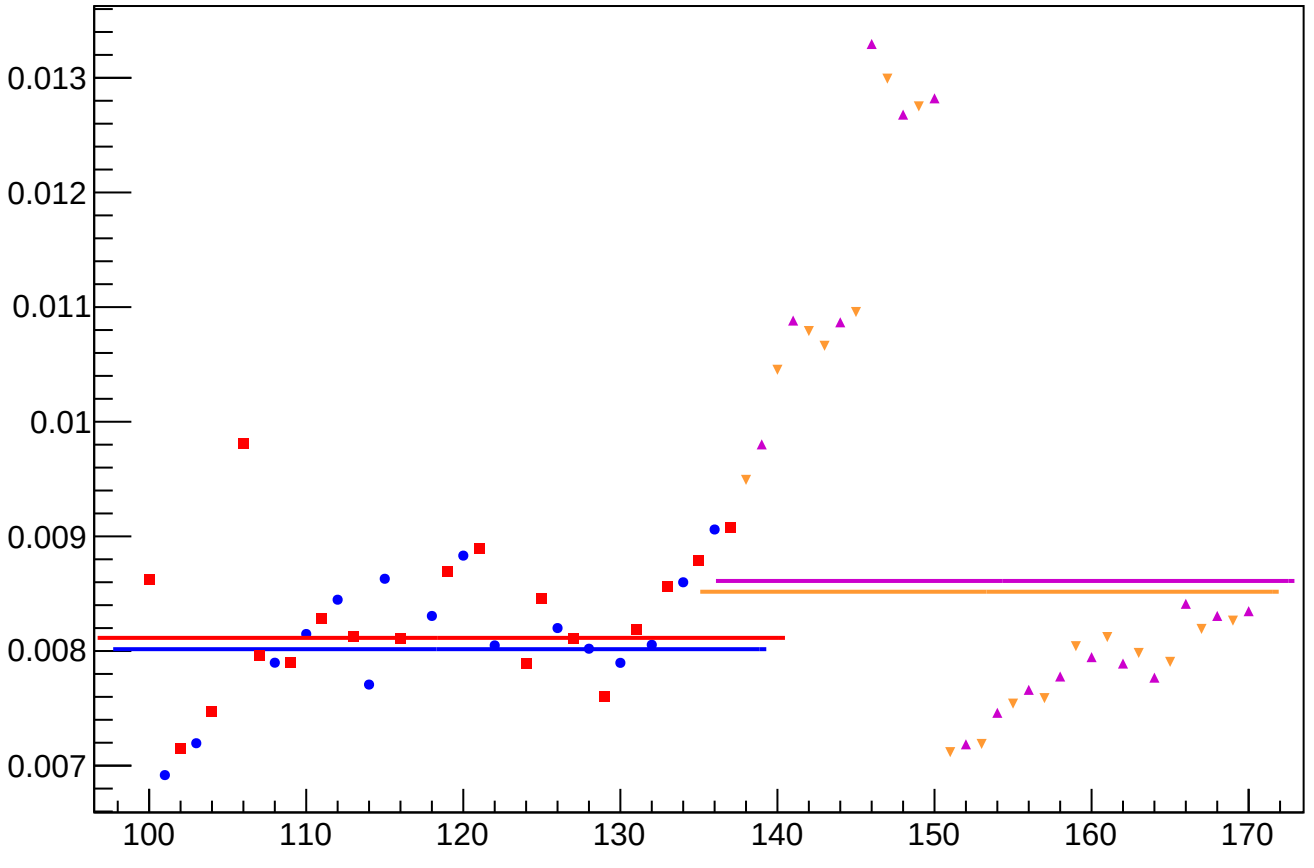
In: -0.146+/-0.000 χ^2/NDF:18468509478.4/31

Out: -0.134+/-0.000 χ^2/NDF:21809651388.0/35

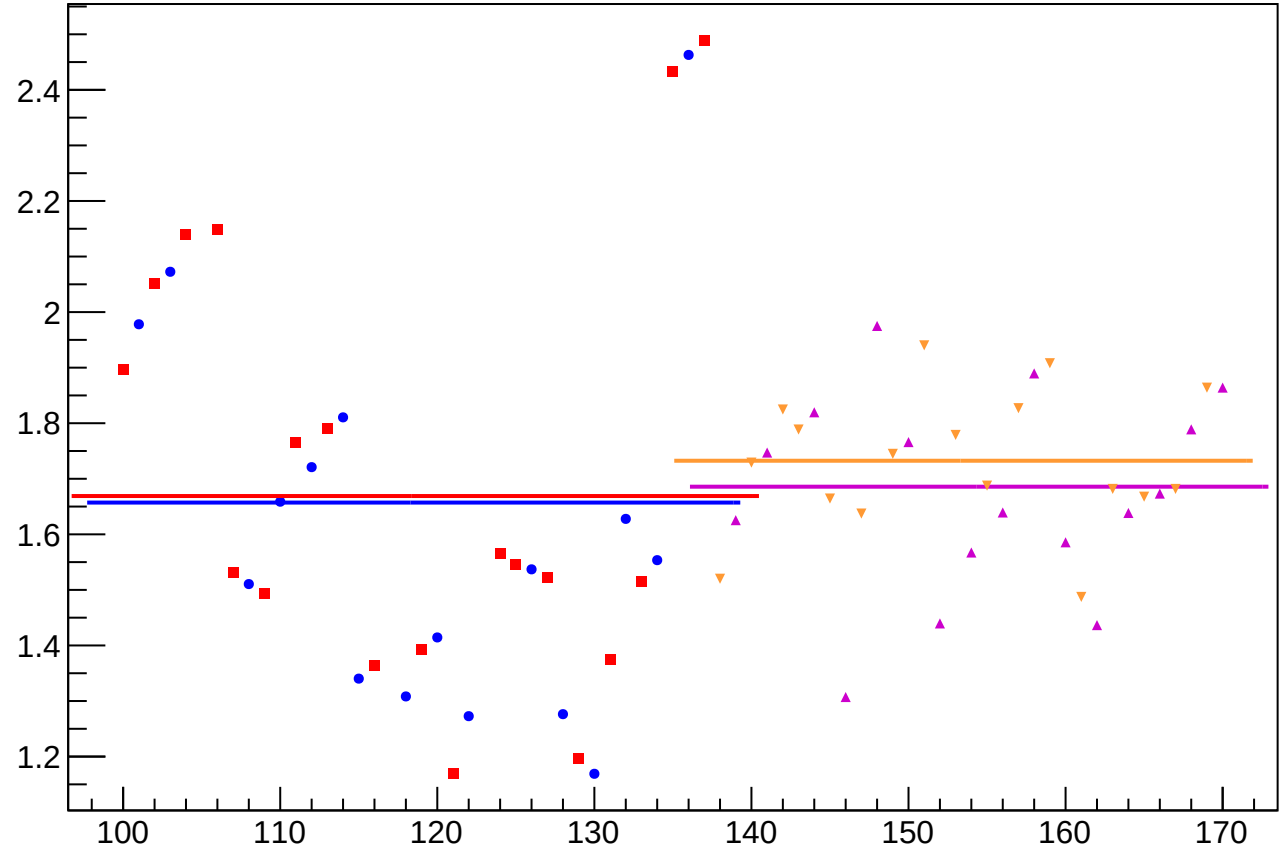
All: -0.139+/-0.000 χ^2/NDF: 40318272893.5/


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:113567.7/16
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:193151.8/15
Left: 0.006+/-0.000 χ²/NDF: 308788.9/32
Right: 0.007+/-0.000 χ²/NDF: 186467.2/34
In: 0.006+/-0.000 χ²/NDF:659385.4/31
Out: 0.006+/-0.000 χ²/NDF:598650.5/35
All: 0.006+/-0.000 χ²/NDF: 1261398.8/67


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
170
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.461+/-0.000 χ²/NDF:1769117306.5/16
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.529+/-0.000 χ²/NDF:1393129798.6/15
Left: -2.494+/-0.000 χ²/NDF: 3541791995.8/32
Right: -3.492+/-0.000 χ²/NDF: 59392057159.0/34
In: -2.906+/-0.000 χ²/NDF:89037674220.8/31
Out: -2.870+/-0.000 χ²/NDF:104267698830.3/35
All: -2.888+/-0.000 χ²/NDF: 193486446292.


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: 0.009+/-0.000 χ²/NDF:747916.2/16
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.009+/-0.000 χ²/NDF:850074.3/15
Left: 0.009+/-0.000 χ²/NDF: 1599458.3/32
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.008+/-0.000 χ²/NDF:982477.4/31
Out: 0.008+/-0.000 χ²/NDF:840350.4/35
All: 0.008+/-0.000 χ²/NDF: 1822870.6/67

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.732+/-0.000 χ^2/NDF:1452345180.3/16

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.686+/-0.000 χ^2/NDF:2523260797.9/15

Left: 1.710+/-0.000 χ^2/NDF: 4079474510.3/32

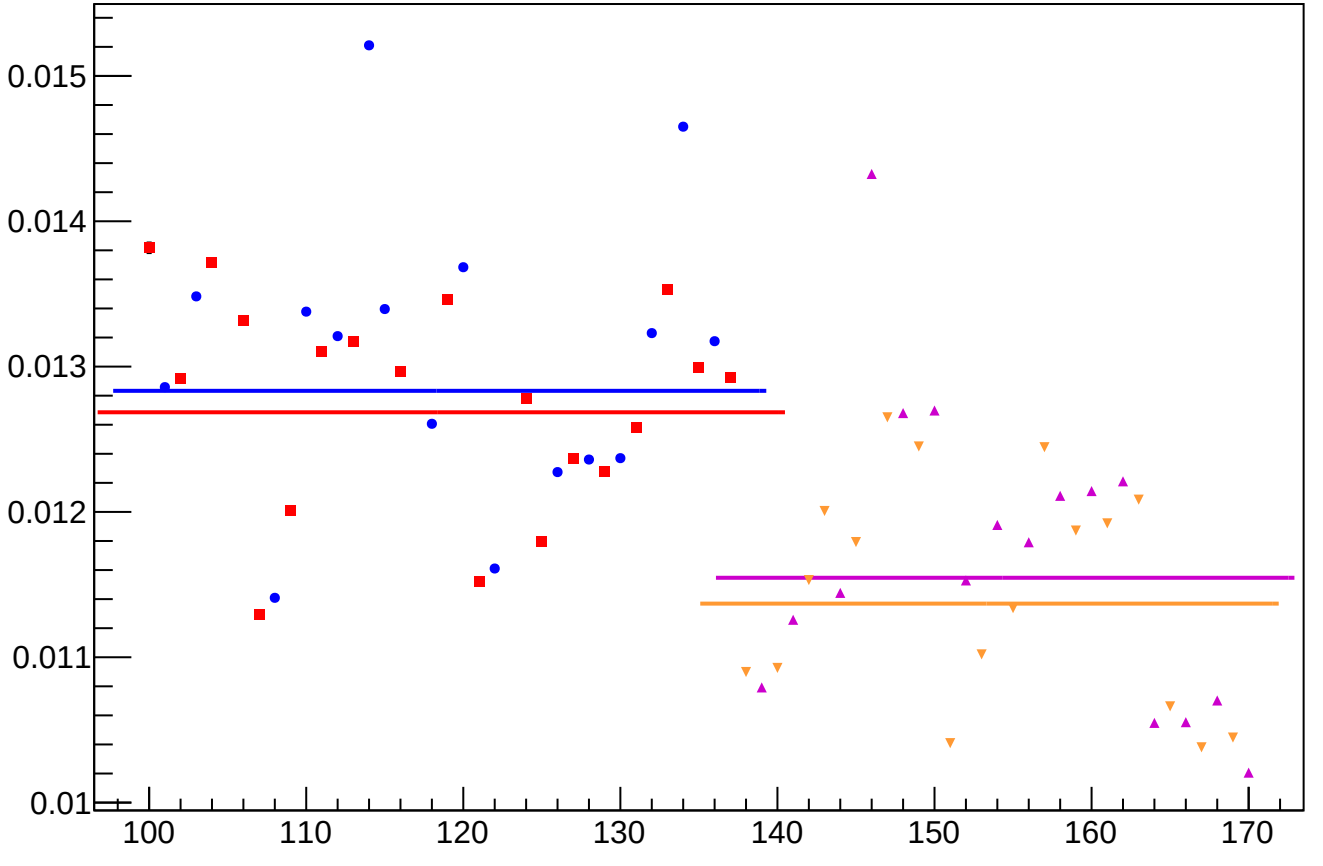
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.677+/-0.000 χ^2/NDF:9213268922.9/31

Out: 1.713+/-0.000 χ^2/NDF:7934082095.0/35

All: 1.695+/-0.000 χ^2/NDF: 17236245508.4/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:108974.7/16

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:166649.8/15

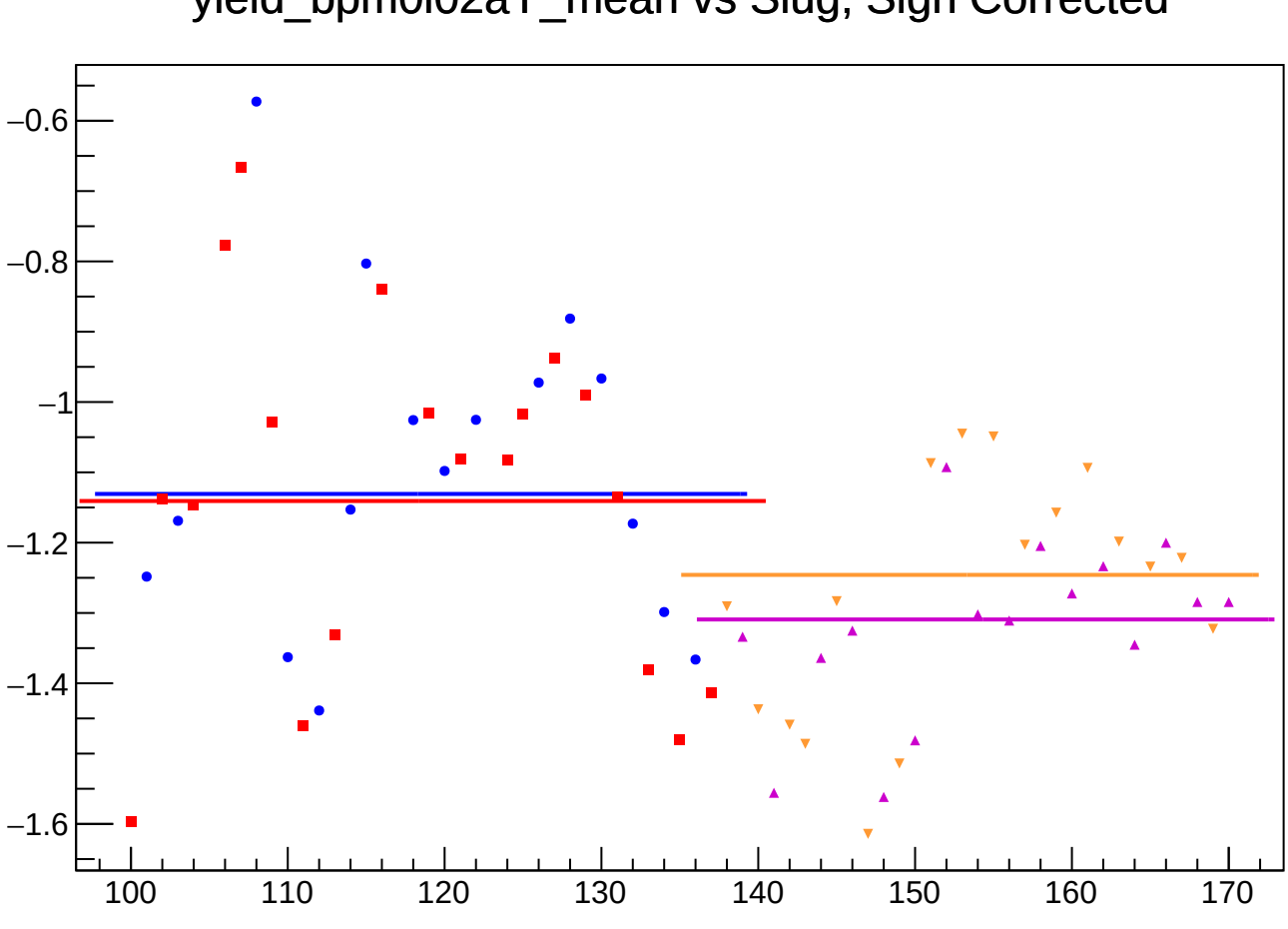
Left: 0.011+/-0.000 χ^2/NDF: 278637.2/32

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:315758.8/31

Out: 0.012+/-0.000 χ^2/NDF:258902.6/35

All: 0.012+/-0.000 χ^2/NDF: 578675.1/67



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4462271647.1/16

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.309+/-0.000 χ^2/NDF:2283145848.4/15

Left: -1.277+/-0.000 χ^2/NDF: 7102350808.4/32

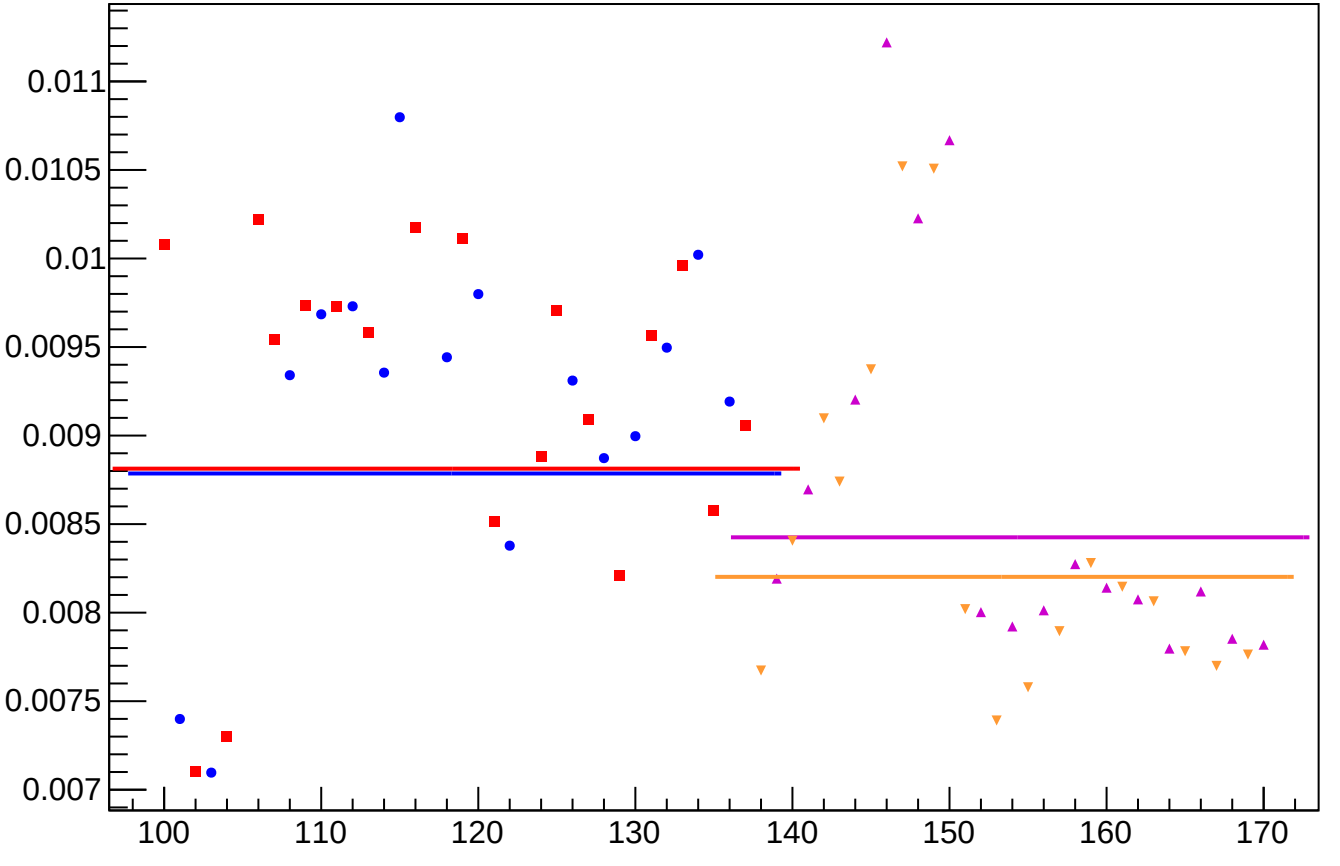
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.248+/-0.000 χ^2/NDF:7938711015.6/31

Out: -1.211+/-0.000 χ^2/NDF:8669827481.6/35

All: -1.230+/-0.000 χ^2/NDF: 16791528183.0/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:226119.3/16

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:261717.6/15

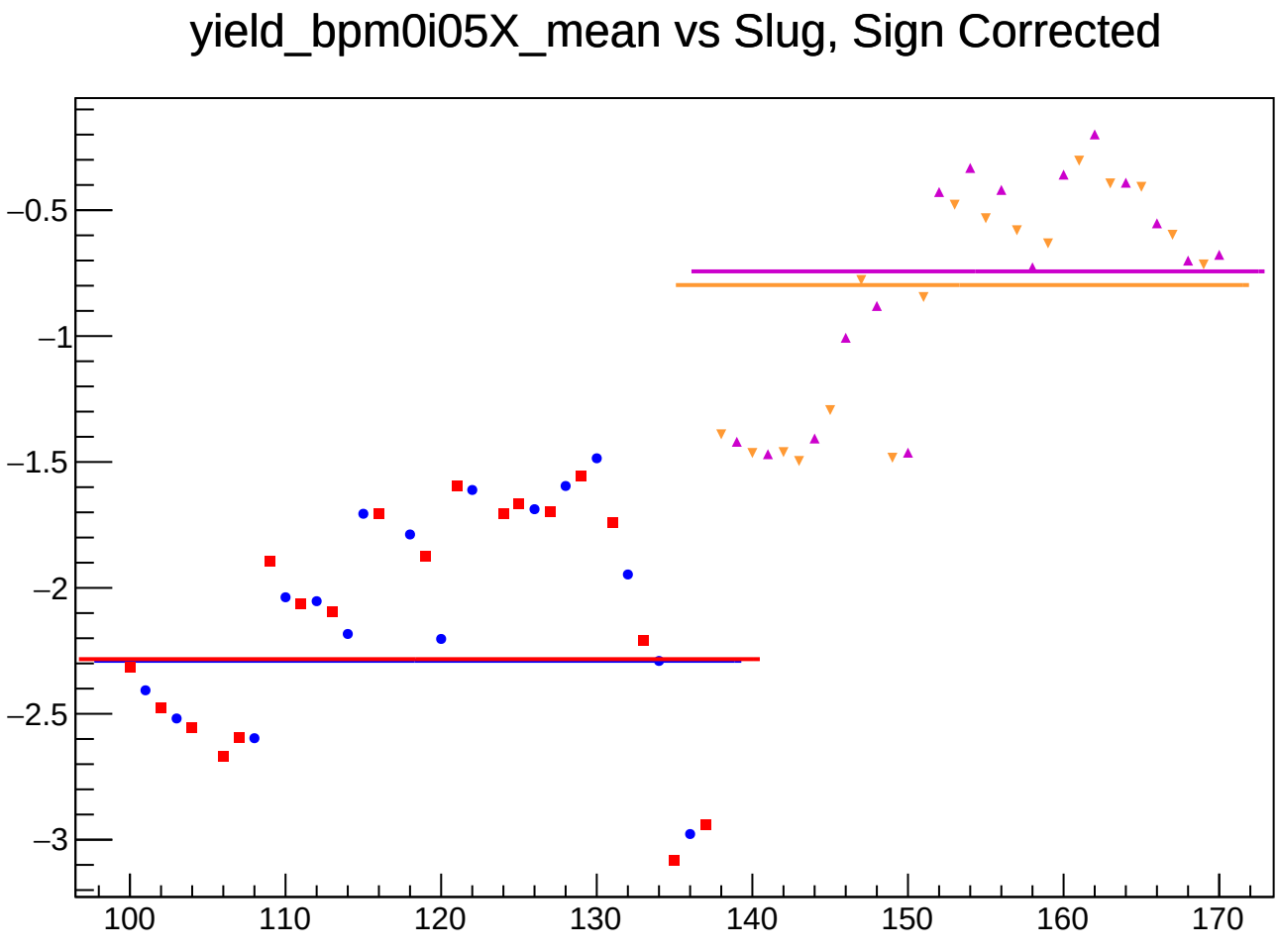
Left: 0.008+/-0.000 χ^2/NDF: 496691.6/32

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

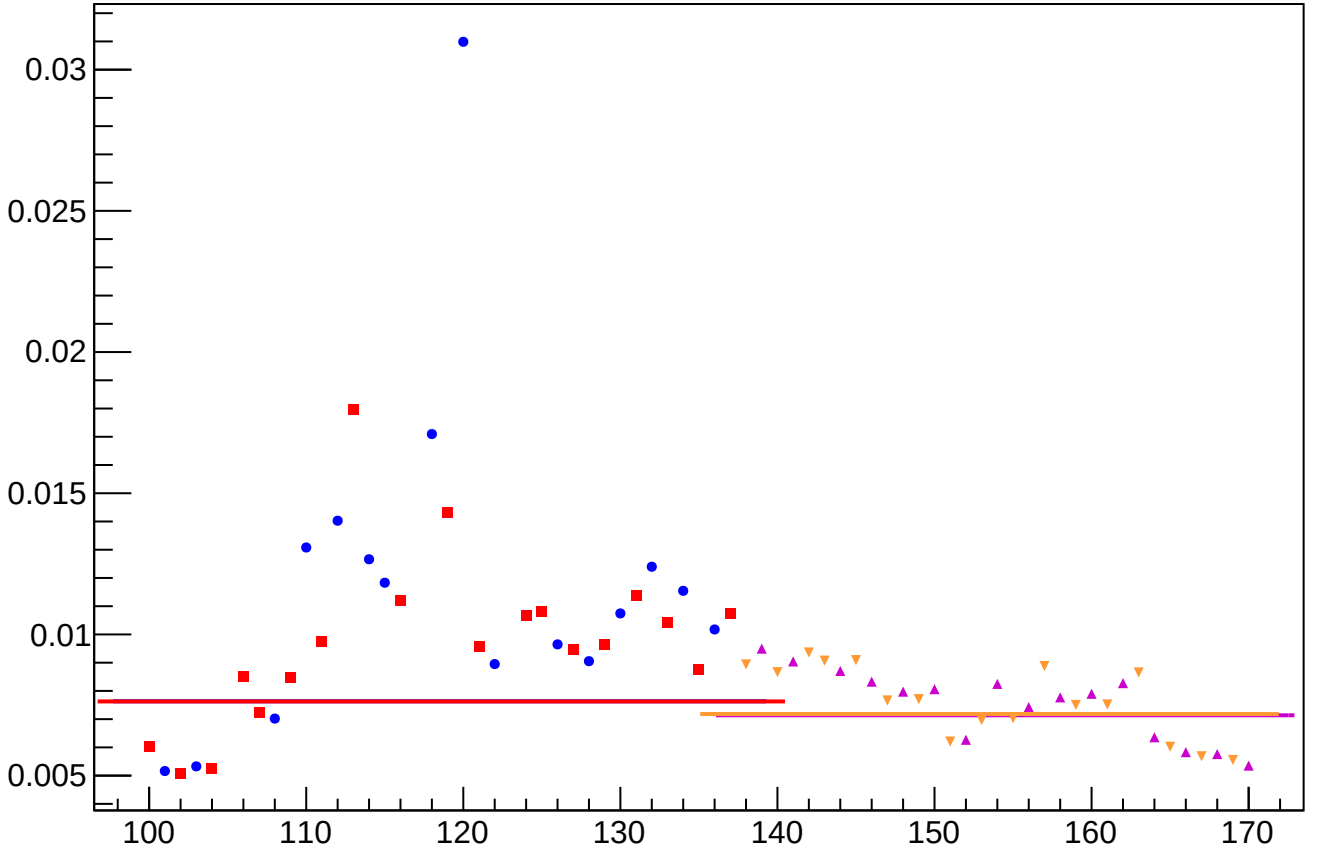
In: 0.009+/-0.000 χ^2/NDF:450404.8/31

Out: 0.008+/-0.000 χ^2/NDF:475435.4/35

All: 0.008+/-0.000 χ^2/NDF: 931519.2/67


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.797+/-0.000 χ²/NDF:32544863748.5/16
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.743+/-0.000 χ²/NDF:32690250005.3/15
Left: -0.770+/-0.000 χ²/NDF: 65557703718.6/32
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.183+/-0.000 χ²/NDF:197231302739.1/31
Out: -1.248+/-0.000 χ²/NDF:196053374901.3/35
All: -1.216+/-0.000 χ²/NDF: 393938365176.4

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:686961.4/16

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:730215.5/15

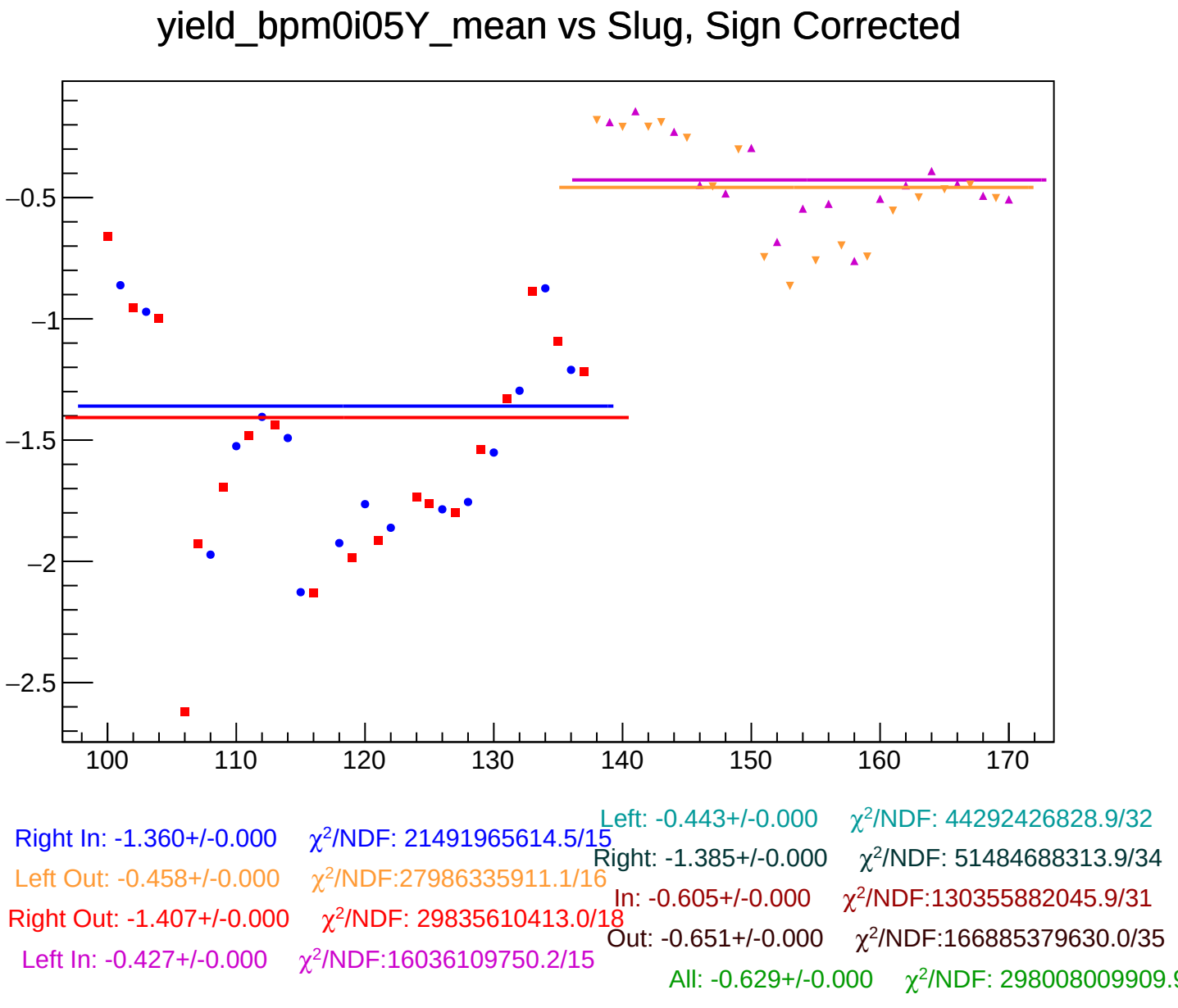
Left: 0.007+/-0.000 χ^2/NDF: 1417627.7/32

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

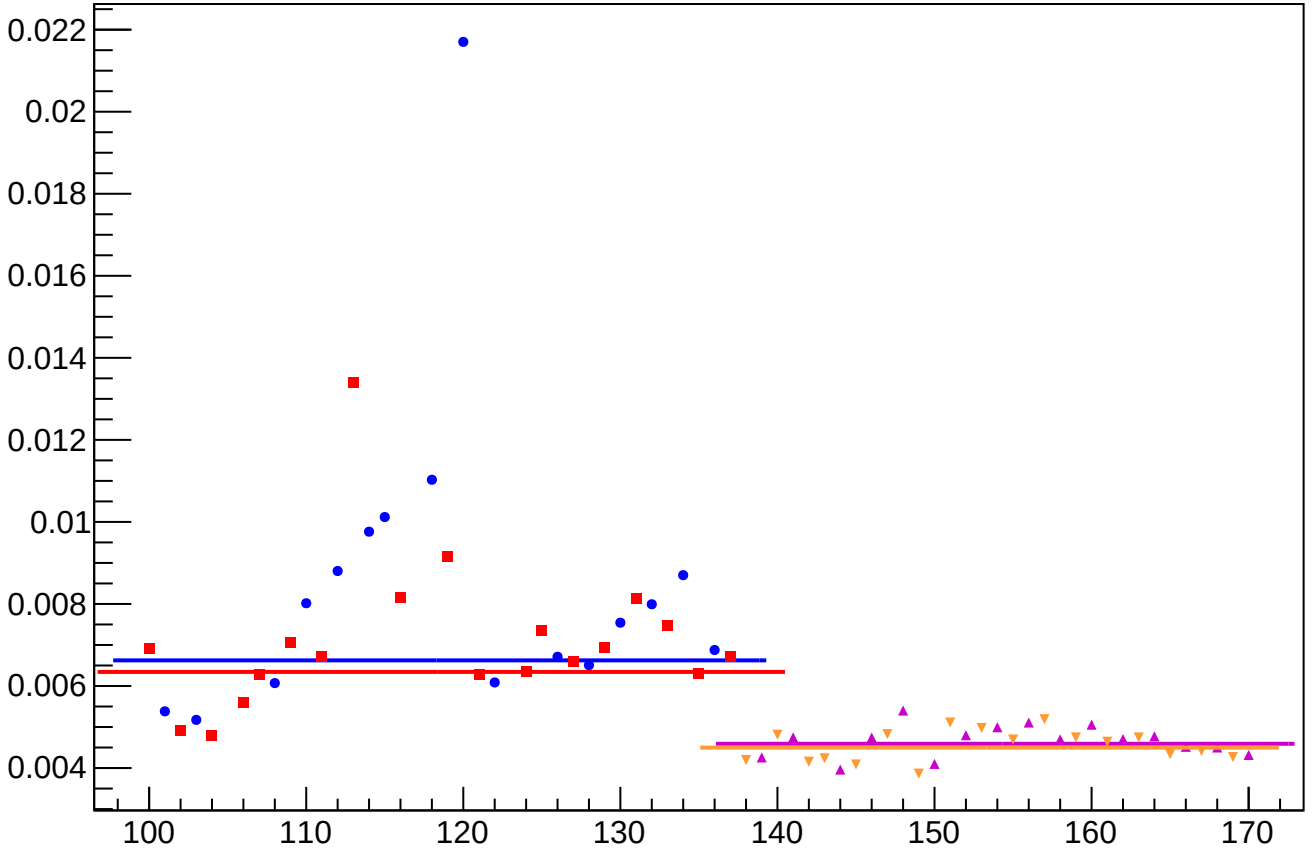
In: 0.007+/-0.000 χ^2/NDF:2471764.3/31

Out: 0.007+/-0.000 χ^2/NDF:2031064.3/35

All: 0.007+/-0.000 χ^2/NDF: 4503309.1/67


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: -0.458+/-0.000 χ²/NDF:27986335911.1/16
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.427+/-0.000 χ²/NDF:16036109750.2/15
Left: -0.443+/-0.000 χ²/NDF: 44292426828.9/32
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.605+/-0.000 χ²/NDF:130355882045.9/31
Out: -0.651+/-0.000 χ²/NDF:166885379630.0/35
All: -0.629+/-0.000 χ²/NDF: 298008009909.9

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:162755.1/16

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:157258.7/15

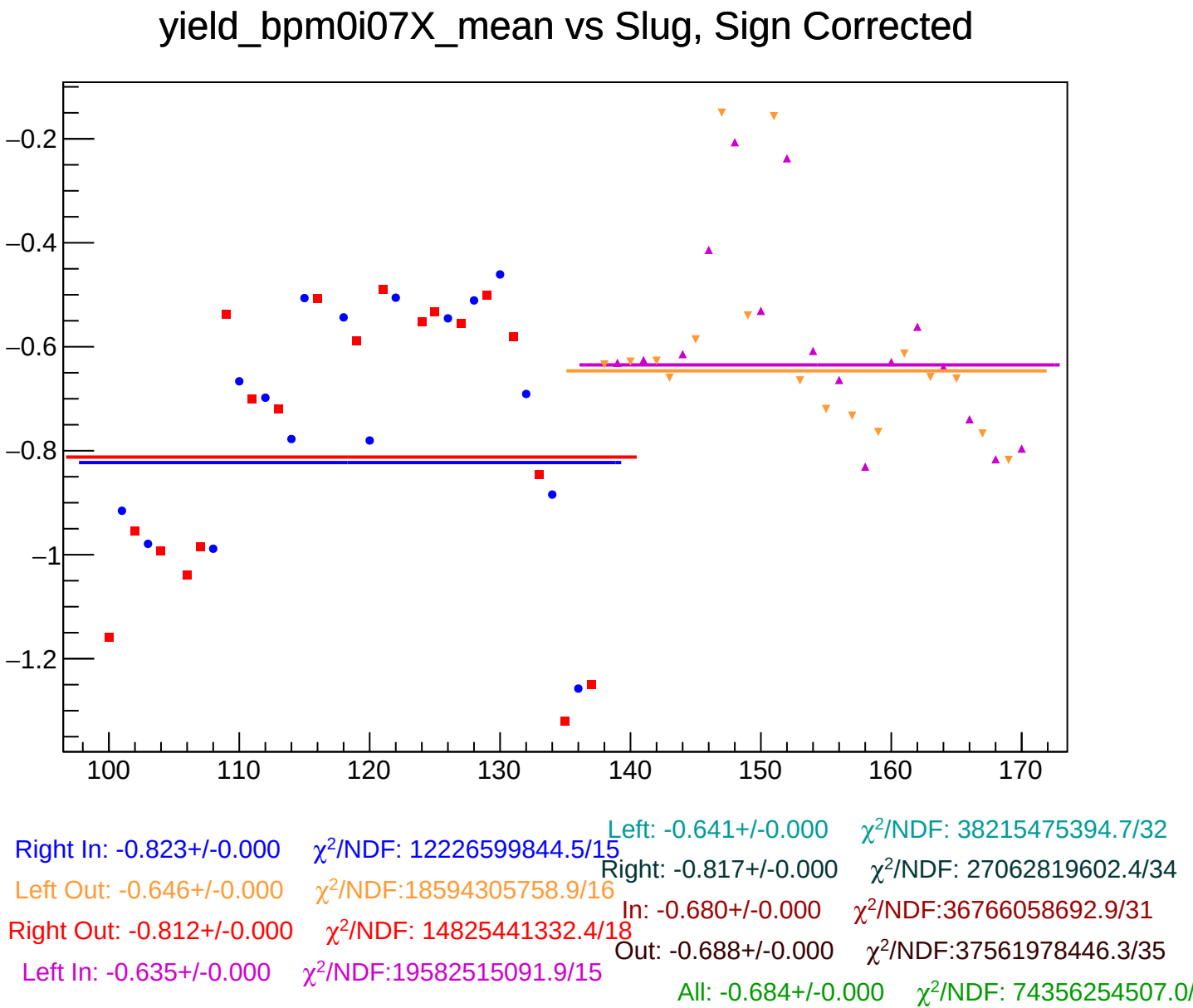
Left: 0.005+/-0.000 χ^2/NDF: 325079.9/32

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

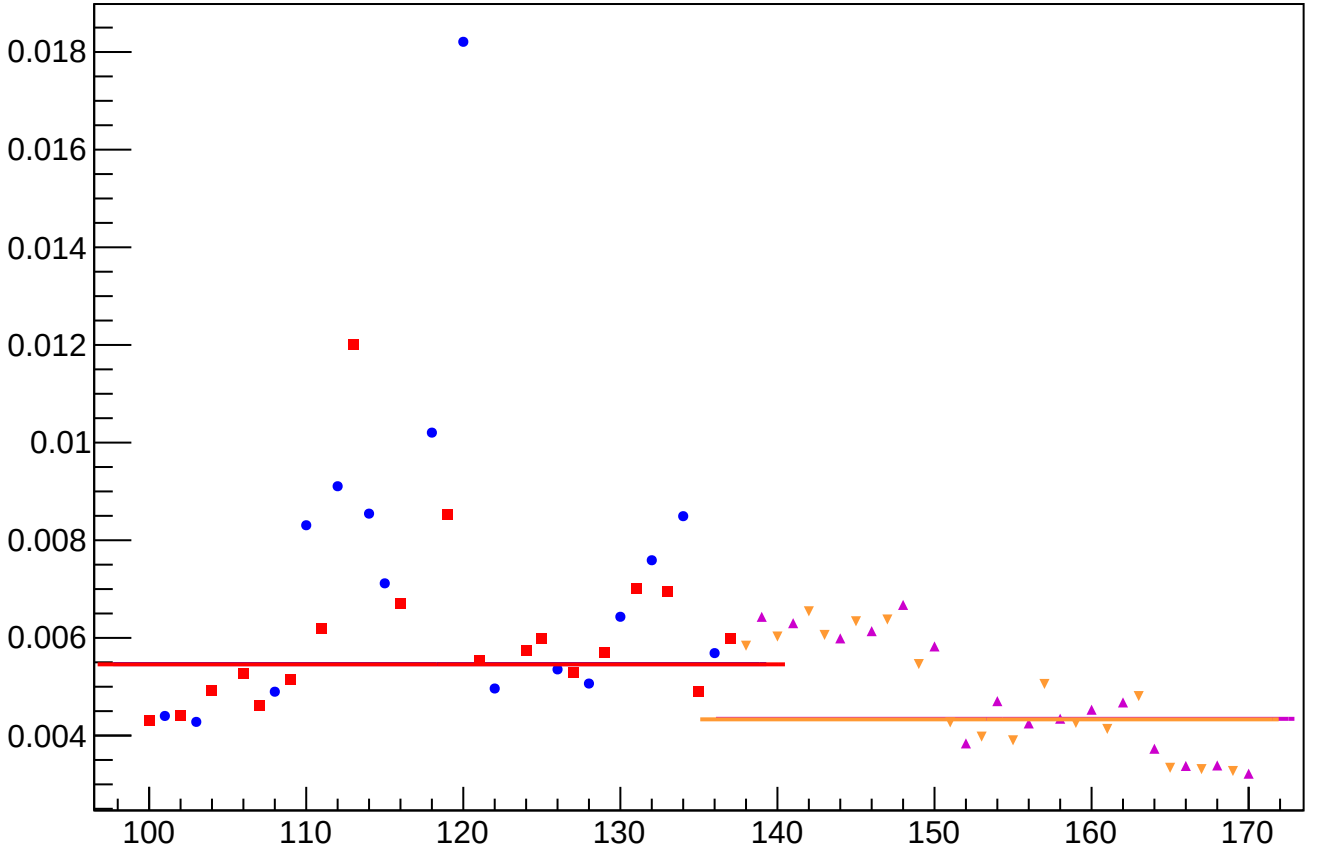
In: 0.005+/-0.000 χ^2/NDF:1734048.4/31

Out: 0.005+/-0.000 χ^2/NDF:1517091.9/35

All: 0.005+/-0.000 χ^2/NDF: 3259100.1/67


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.646+/-0.000 χ²/NDF:18594305758.9/16
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.635+/-0.000 χ²/NDF:19582515091.9/15
Left: -0.641+/-0.000 χ²/NDF: 38215475394.7/32
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.680+/-0.000 χ²/NDF:36766058692.9/31
Out: -0.688+/-0.000 χ²/NDF:37561978446.3/35
All: -0.684+/-0.000 χ²/NDF: 74356254507.0/

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:1252037.1/16

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1344177.2/15

Left: 0.004+/-0.000 χ^2/NDF: 2596279.5/32

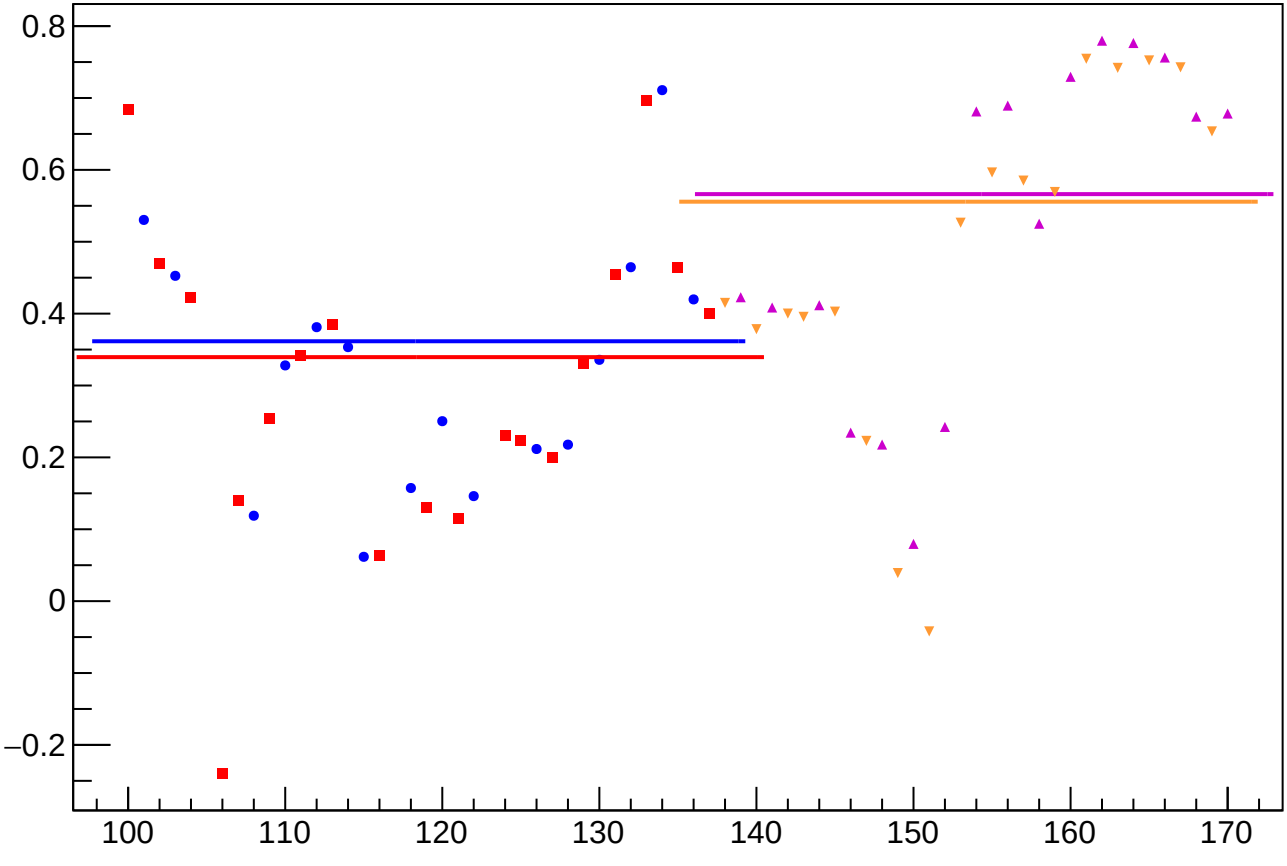
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:2658621.3/31

Out: 0.005+/-0.000 χ^2/NDF:2142032.3/35

All: 0.005+/-0.000 χ^2/NDF: 4800687.1/67

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.556+/-0.000 χ^2/NDF:38269106668.9/16

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.566+/-0.000 χ^2/NDF:33252614157.8/15

Left: 0.561+/-0.000 χ^2/NDF: 71566576986.4/32

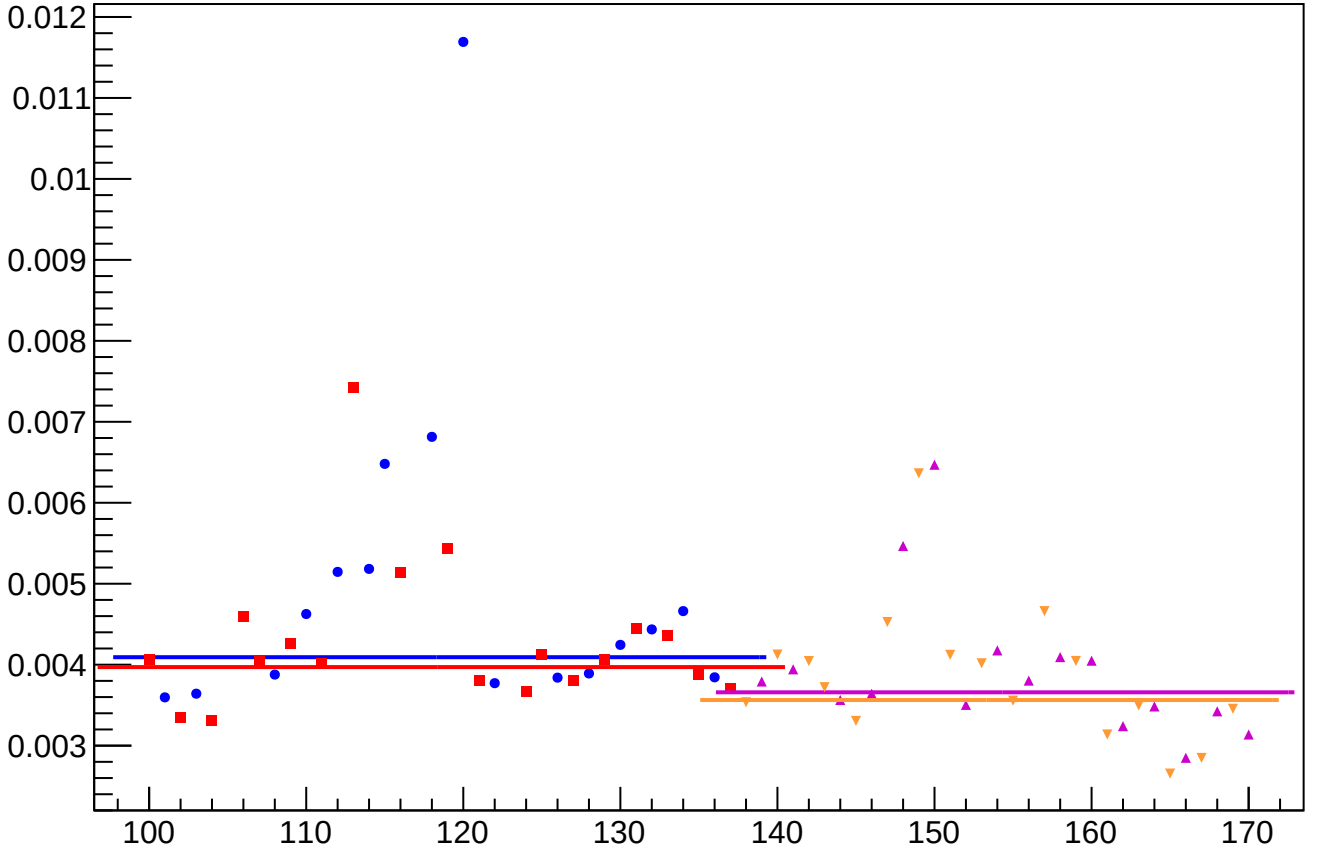
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.501+/-0.000 χ^2/NDF:52492348036.6/31

Out: 0.485+/-0.000 χ^2/NDF:63119742636.1/35

All: 0.493+/-0.000 χ^2/NDF: 115775095648.3

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:740307.6/16

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:630886.8/15

Left: 0.004+/-0.000 χ^2/NDF: 1378557.6/32

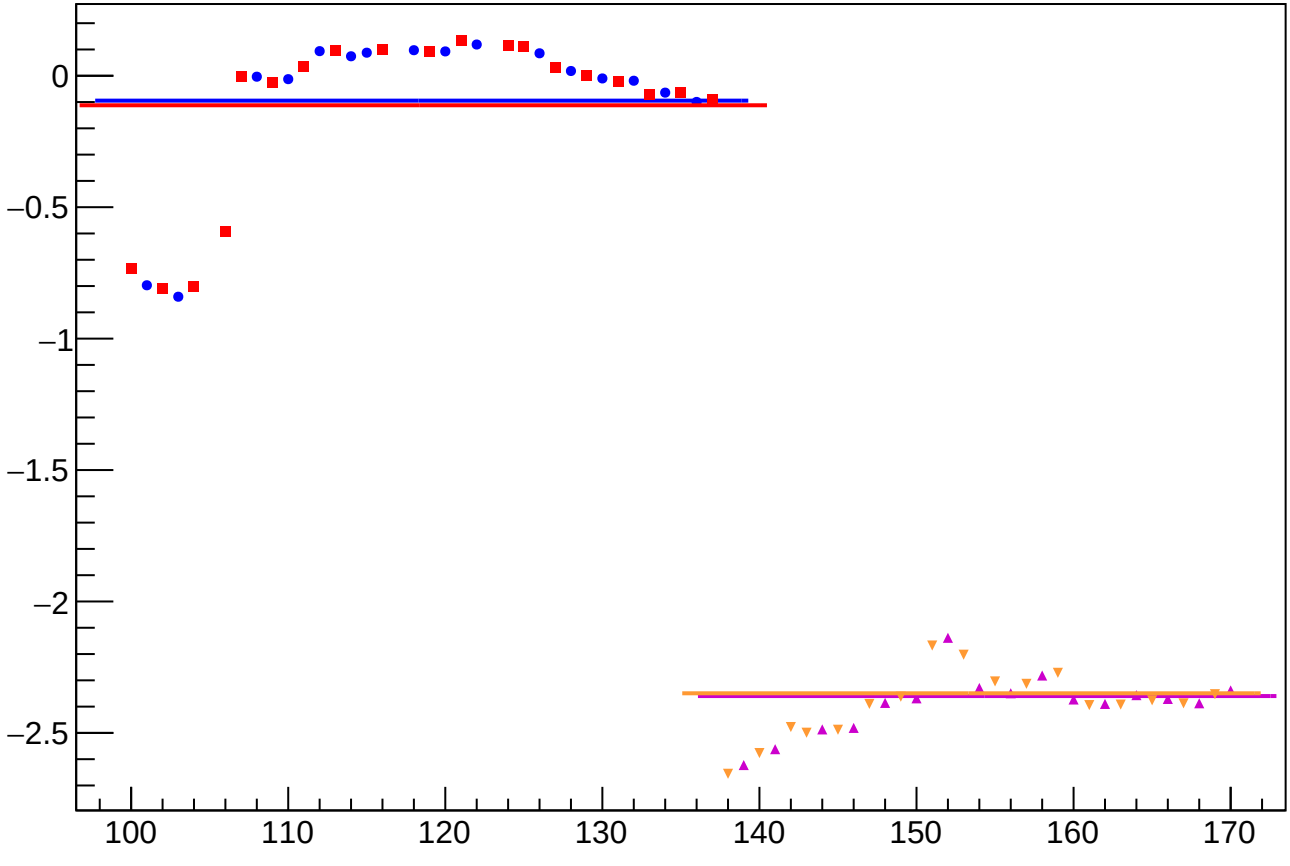
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1216572.4/31

Out: 0.004+/-0.000 χ^2/NDF:1144523.7/35

All: 0.004+/-0.000 χ^2/NDF: 2372921.3/67

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:1671964983.4/16

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.360+/-0.000 χ^2/NDF:1297057945.0/15

Left: -2.354+/-0.000 χ^2/NDF: 2976383768.2/32

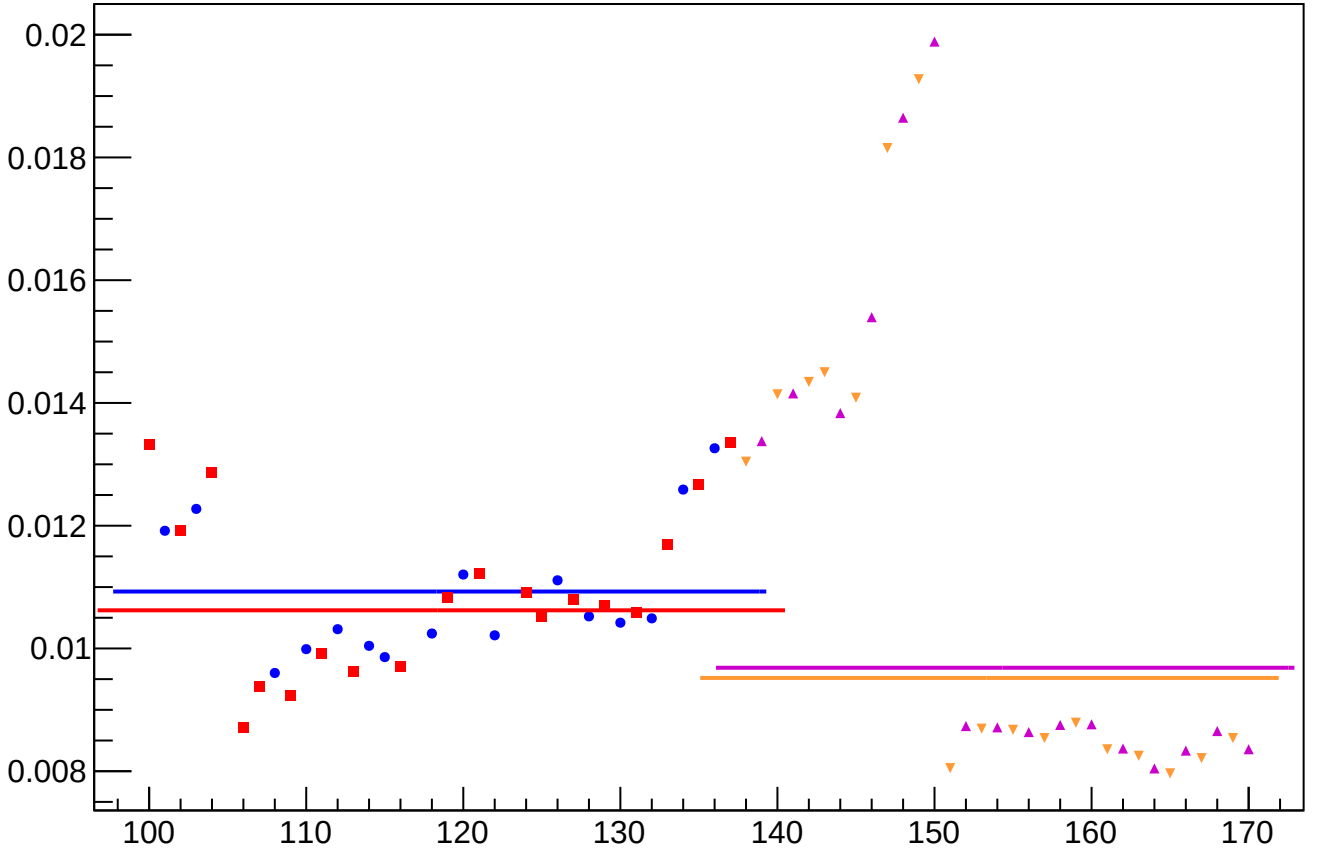
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.647+/-0.000 χ^2/NDF:216587844124.6/31

Out: -1.626+/-0.000 χ^2/NDF:229092275000.5/35

All: -1.636+/-0.000 χ^2/NDF: 445726222200.

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1844193.2/16

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1854371.2/15

Left: 0.010+/-0.000 χ^2/NDF: 3702234.7/32

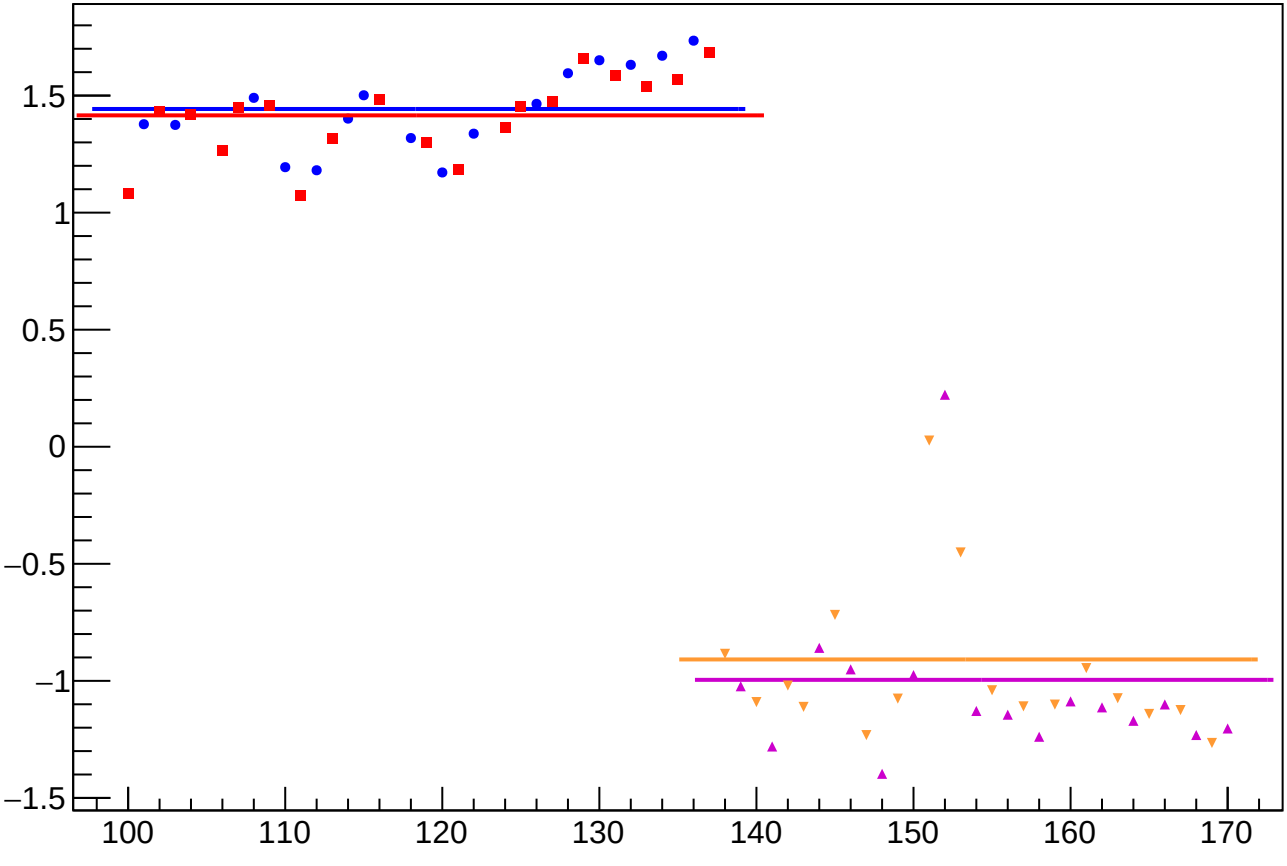
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2116971.3/31

Out: 0.010+/-0.000 χ^2/NDF:2142038.9/35

All: 0.010+/-0.000 χ^2/NDF: 4266848.1/67

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.909+/-0.000 χ^2/NDF:32467653480.2/16

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.996+/-0.000 χ^2/NDF:41746277721.3/15

Left: -0.952+/-0.000 χ^2/NDF: 75084212970.1/32

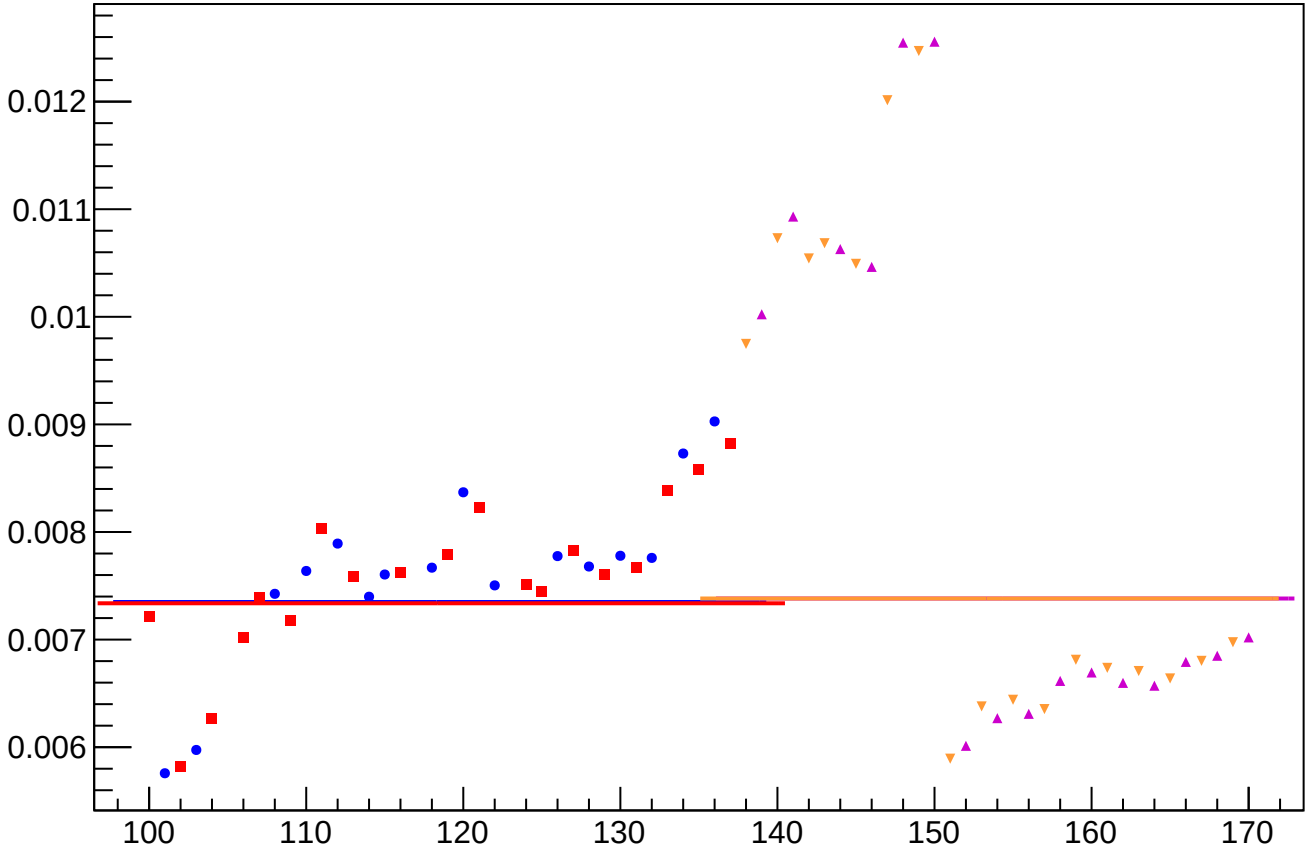
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.105+/-0.000 χ^2/NDF:539231415035.9/31

Out: -0.044+/-0.000 χ^2/NDF:499696903855.8/35

All: -0.074+/-0.000 χ^2/NDF: 1039605004142

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:1453230.4/16

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1508618.5/15

Left: 0.007+/-0.000 χ^2/NDF: 2961848.9/32

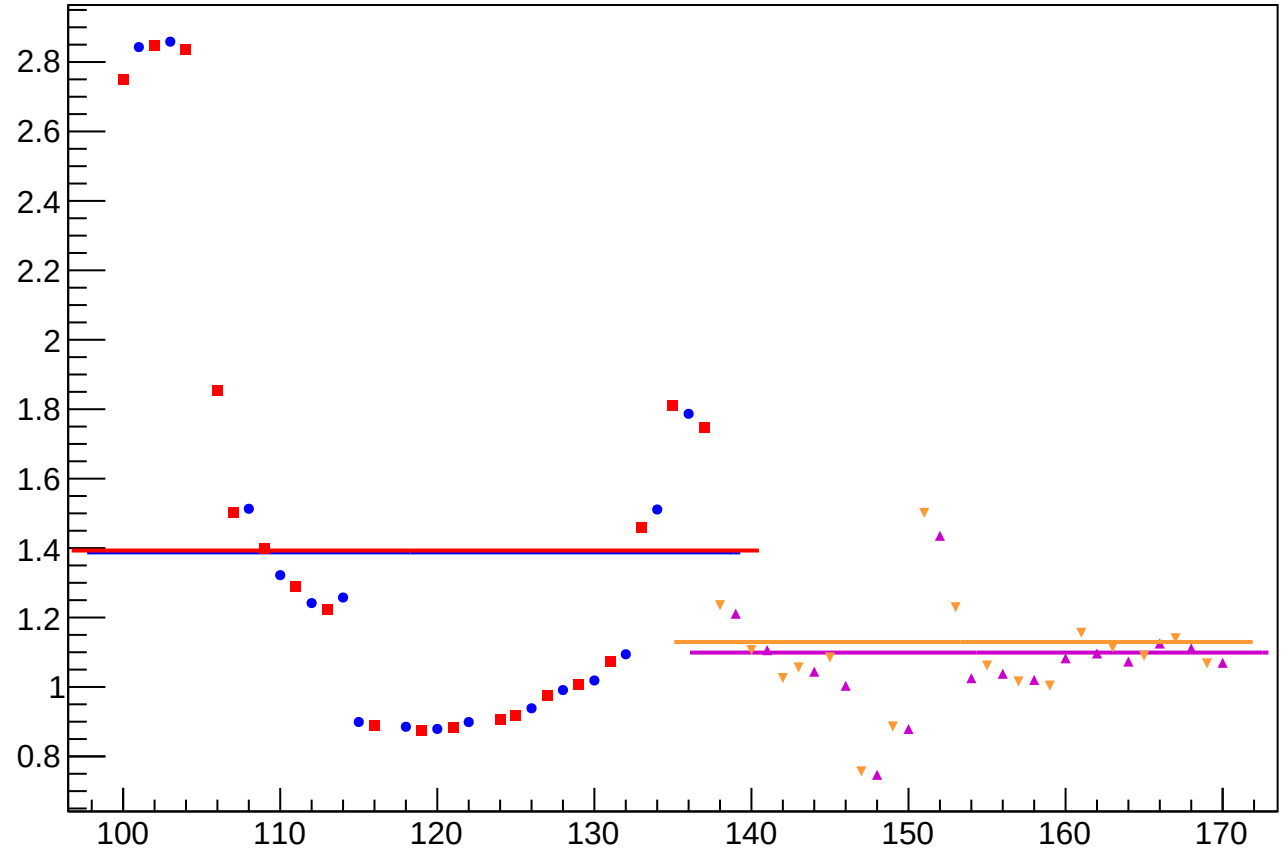
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1779657.7/31

Out: 0.007+/-0.000 χ^2/NDF:1648942.9/35

All: 0.007+/-0.000 χ^2/NDF: 3428608.1/67

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.130+/-0.000 χ^2/NDF:5410079755.3/16

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.099+/-0.000 χ^2/NDF:4178633200.2/15

Left: 1.115+/-0.000 χ^2/NDF: 9698291867.4/32

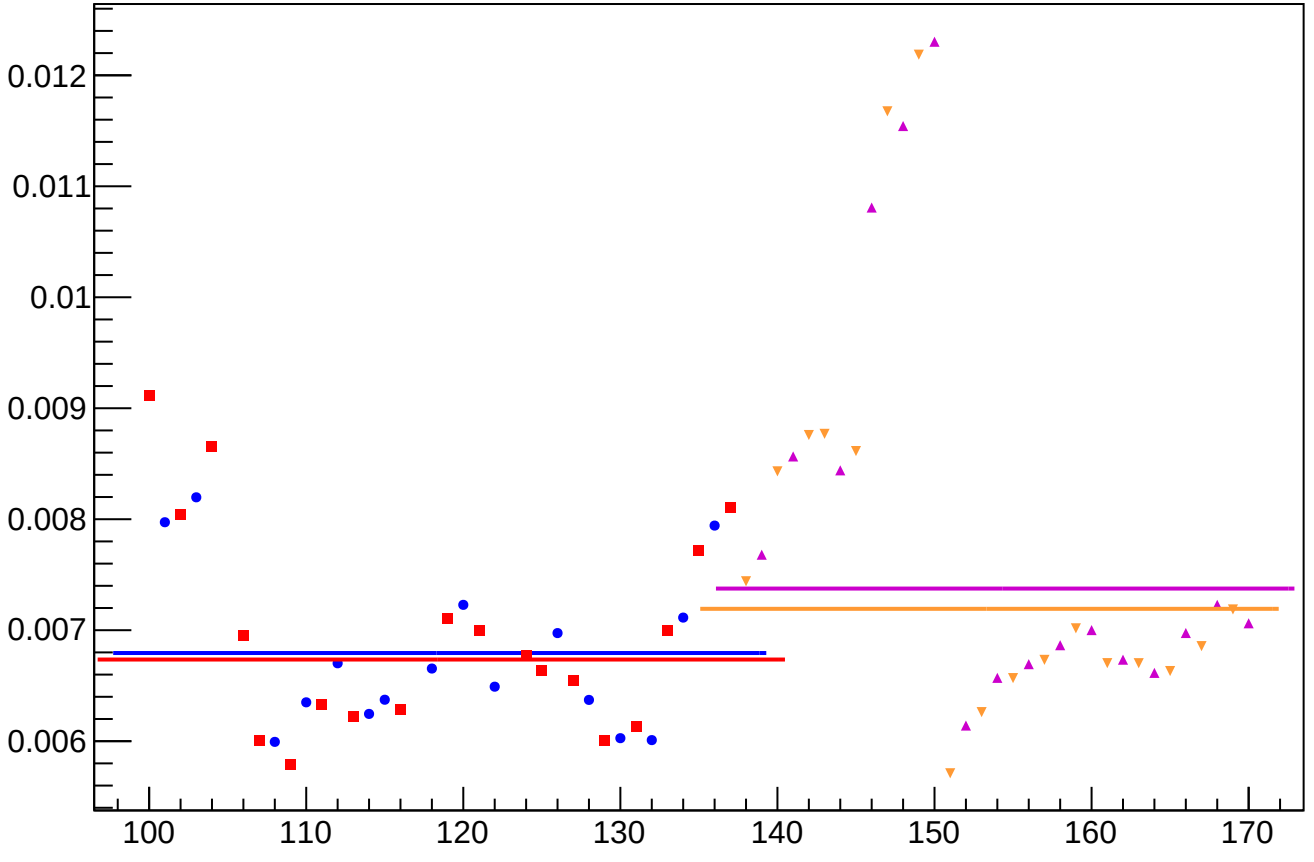
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.215+/-0.000 χ^2/NDF:70450594164.3/31

Out: 1.235+/-0.000 χ^2/NDF:67528891135.9/35

All: 1.225+/-0.000 χ^2/NDF: 138057517849.1

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:824974.1/16

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:859898.8/15

Left: 0.007+/-0.000 χ^2/NDF: 1692726.6/32

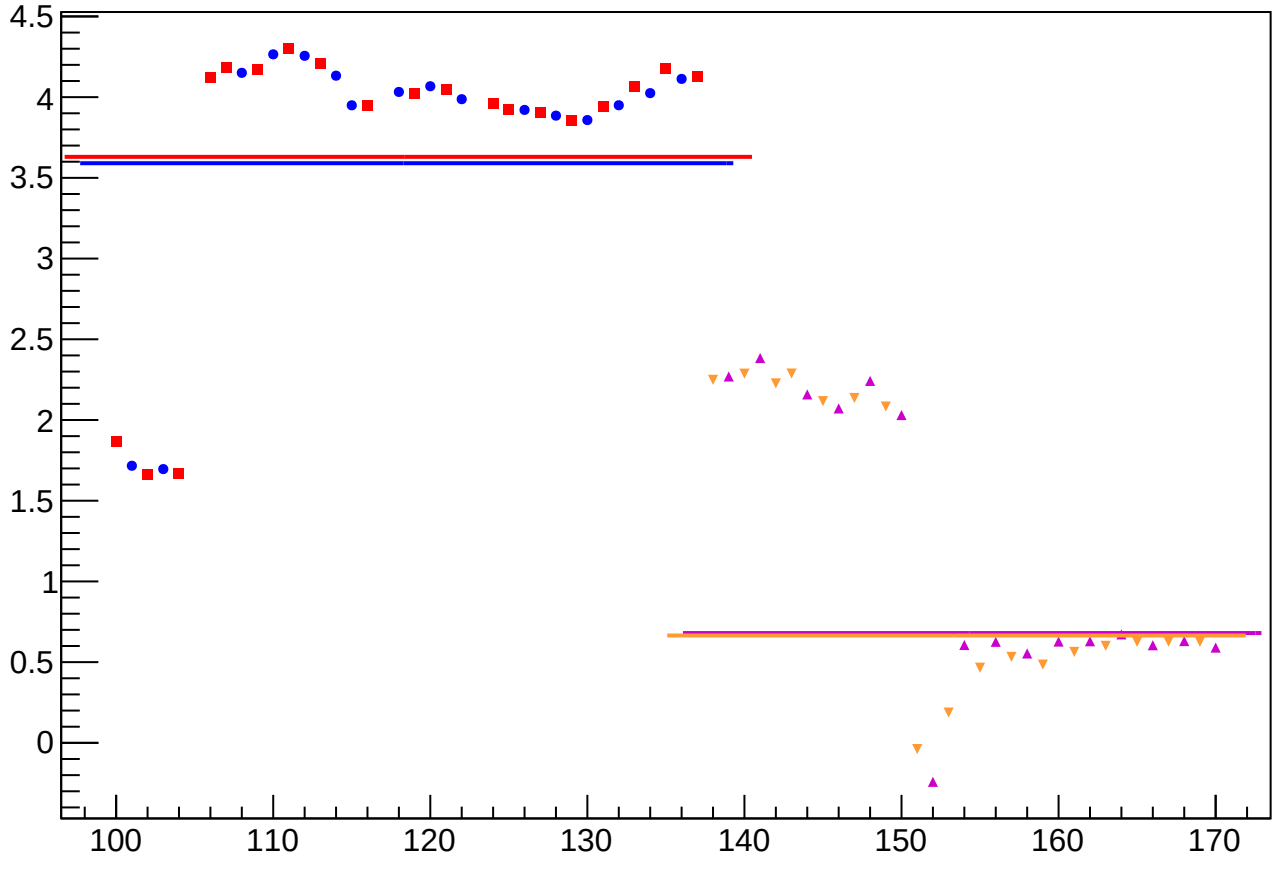
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1086420.0/31

Out: 0.007+/-0.000 χ^2/NDF:1064097.7/35

All: 0.007+/-0.000 χ^2/NDF: 2157363.3/67

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.665+/-0.000 χ^2/NDF:244269794707.7/16

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.680+/-0.000 χ^2/NDF:242986359181.0/15

Left: 0.673+/-0.000 χ^2/NDF: 487334285016.1/32

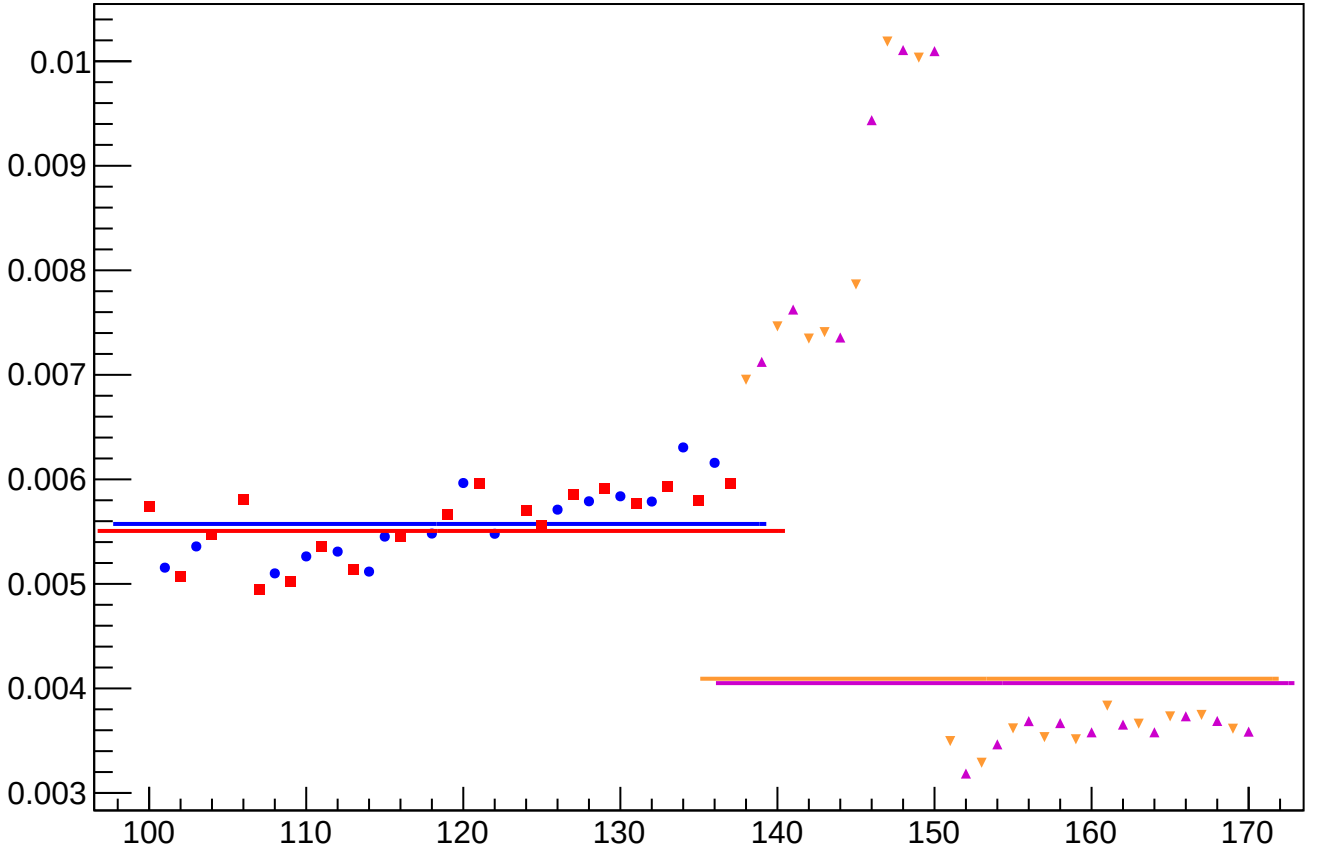
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.414+/-0.000 χ^2/NDF:1906703223818.7/31

Out: 1.440+/-0.000 χ^2/NDF:2020318780182.1/35

All: 1.427+/-0.000 χ^2/NDF: 3927337658202.

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:2811680.2/16

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3013452.0/15

Left: 0.004+/-0.000 χ^2/NDF: 5826343.9/32

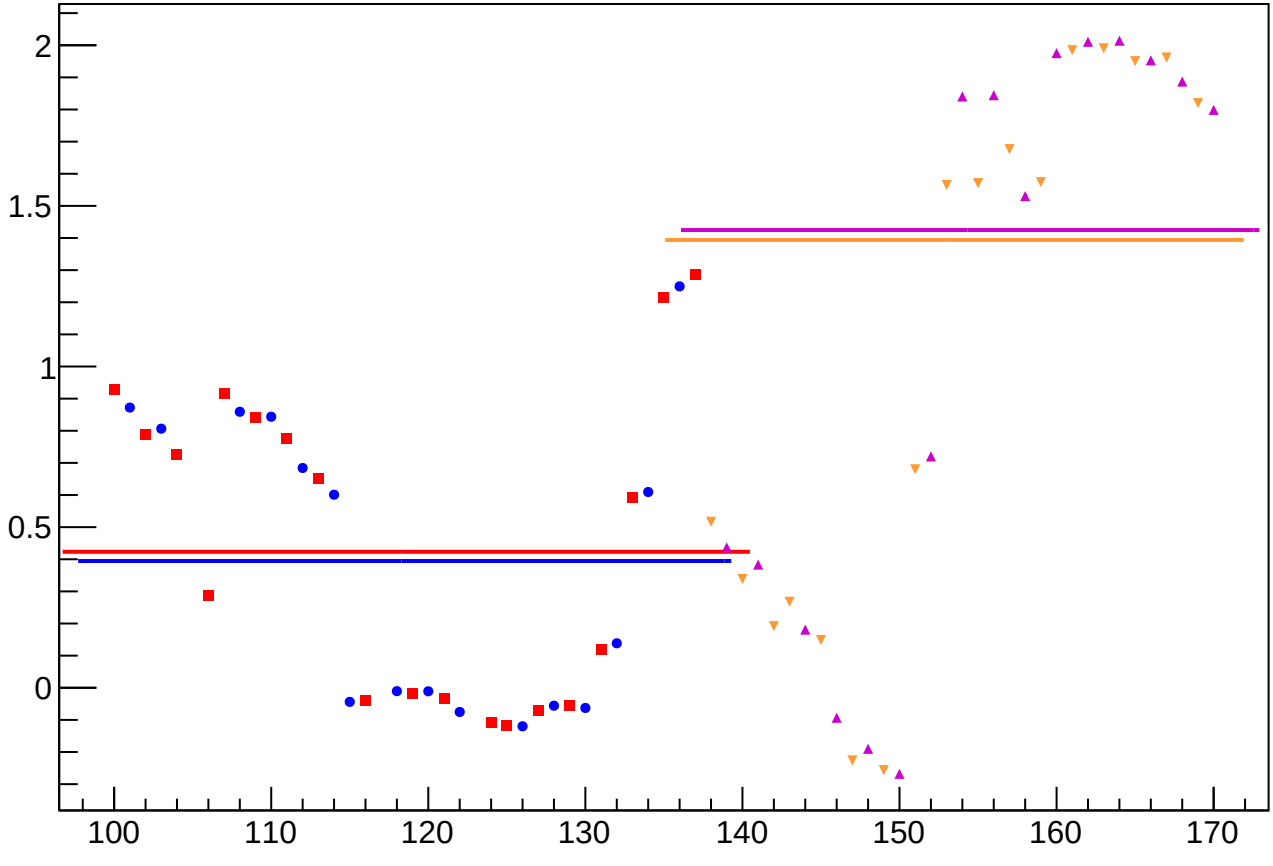
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:3872802.4/31

Out: 0.004+/-0.000 χ^2/NDF:3580026.8/35

All: 0.004+/-0.000 χ^2/NDF: 7453538.9/67

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.394+/-0.000 χ^2/NDF:50787933462.5/16

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.425+/-0.000 χ^2/NDF:56316514117.9/15

Left: 1.409+/-0.000 χ^2/NDF: 107153842362.9/32

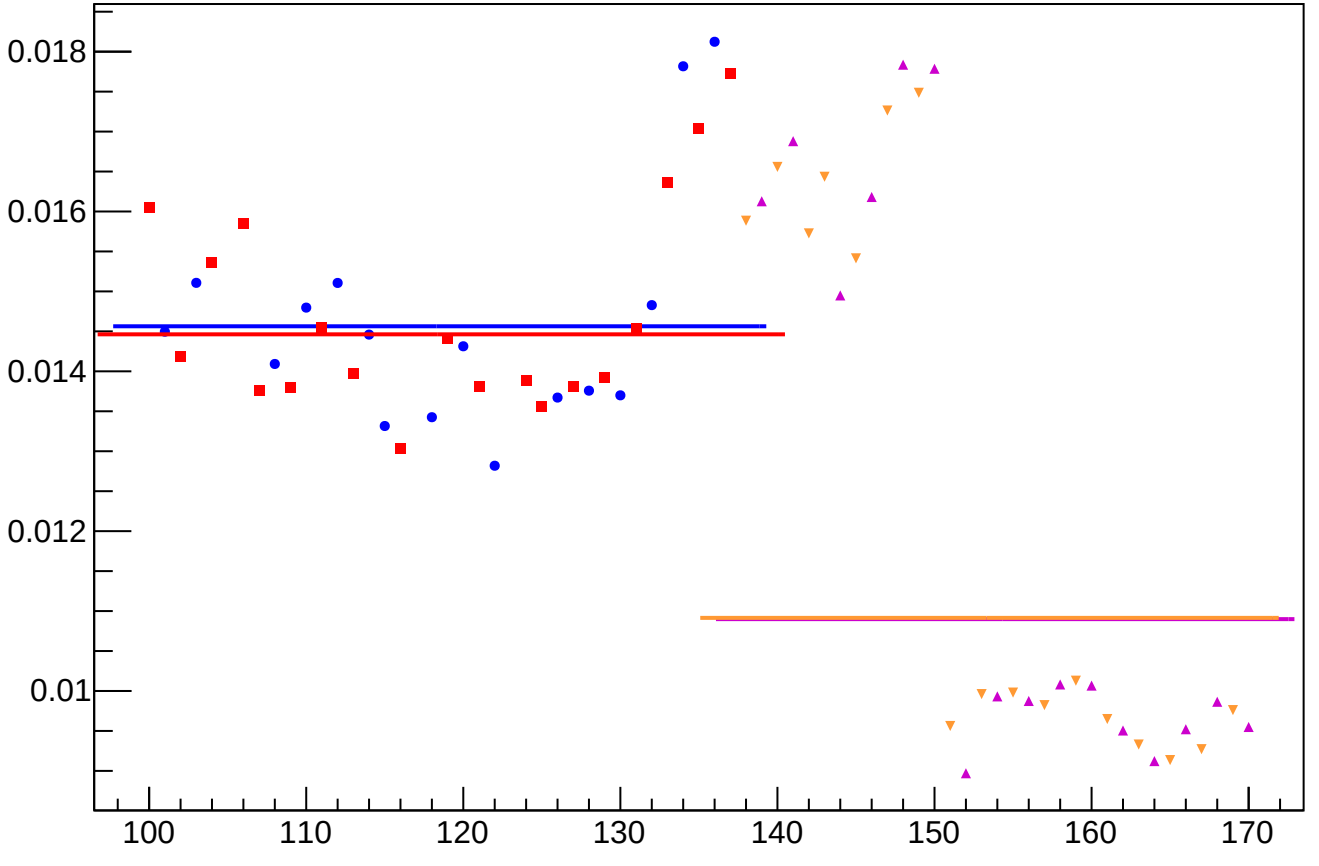
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.173+/-0.000 χ^2/NDF:90572165030.9/31

Out: 1.152+/-0.000 χ^2/NDF:82317838543.1/35

All: 1.162+/-0.000 χ^2/NDF: 172922067490.5

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:1479923.8/16

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1518545.3/15

Left: 0.011+/-0.000 χ^2/NDF: 2998494.7/32

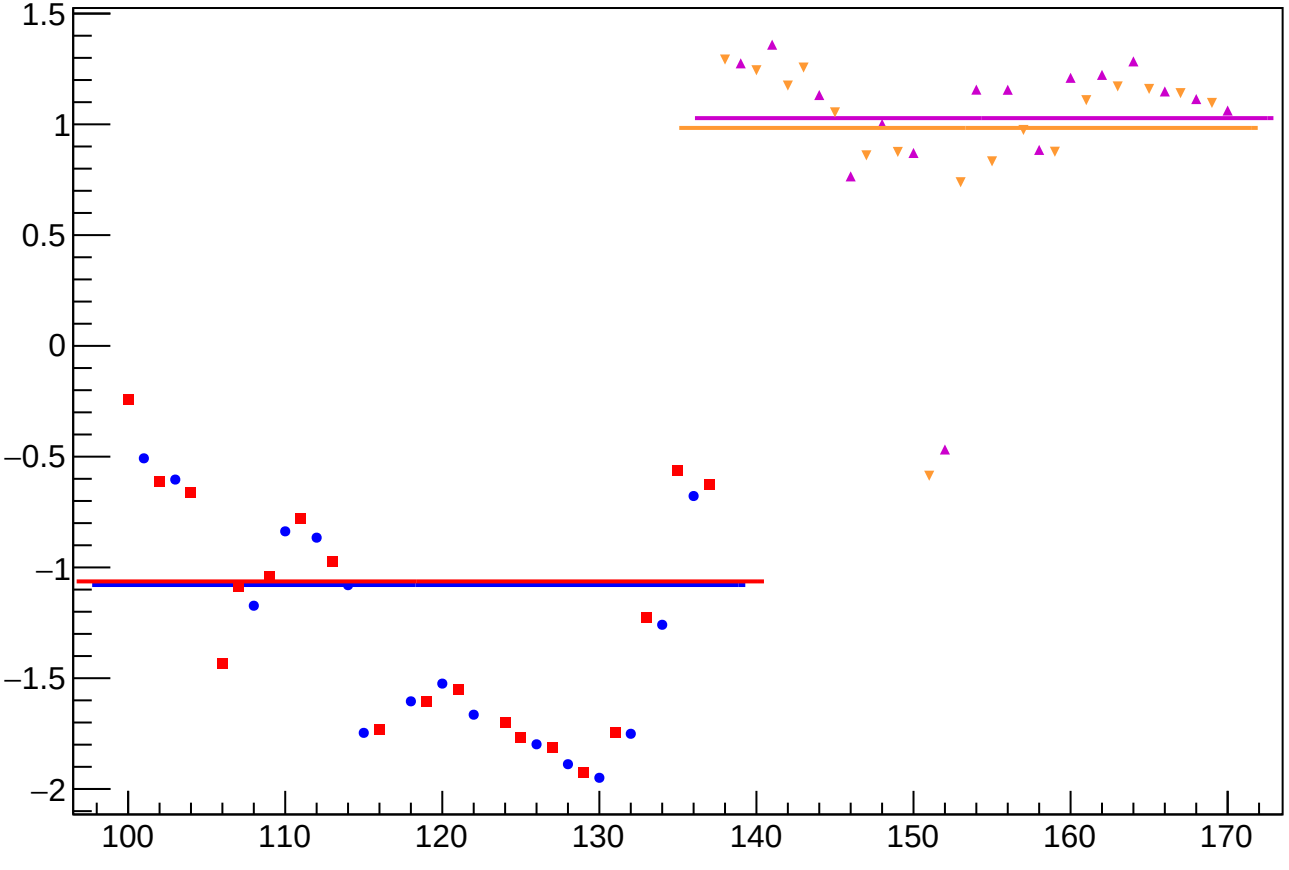
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2330855.1/31

Out: 0.012+/-0.000 χ^2/NDF:2215317.5/35

All: 0.012+/-0.000 χ^2/NDF: 4546178.6/67

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.984+/-0.000 χ^2/NDF:108841100640.4/16

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.028+/-0.000 χ^2/NDF:124818205464.5/15

Left: 1.006+/-0.000 χ^2/NDF: 234552697382.6/32

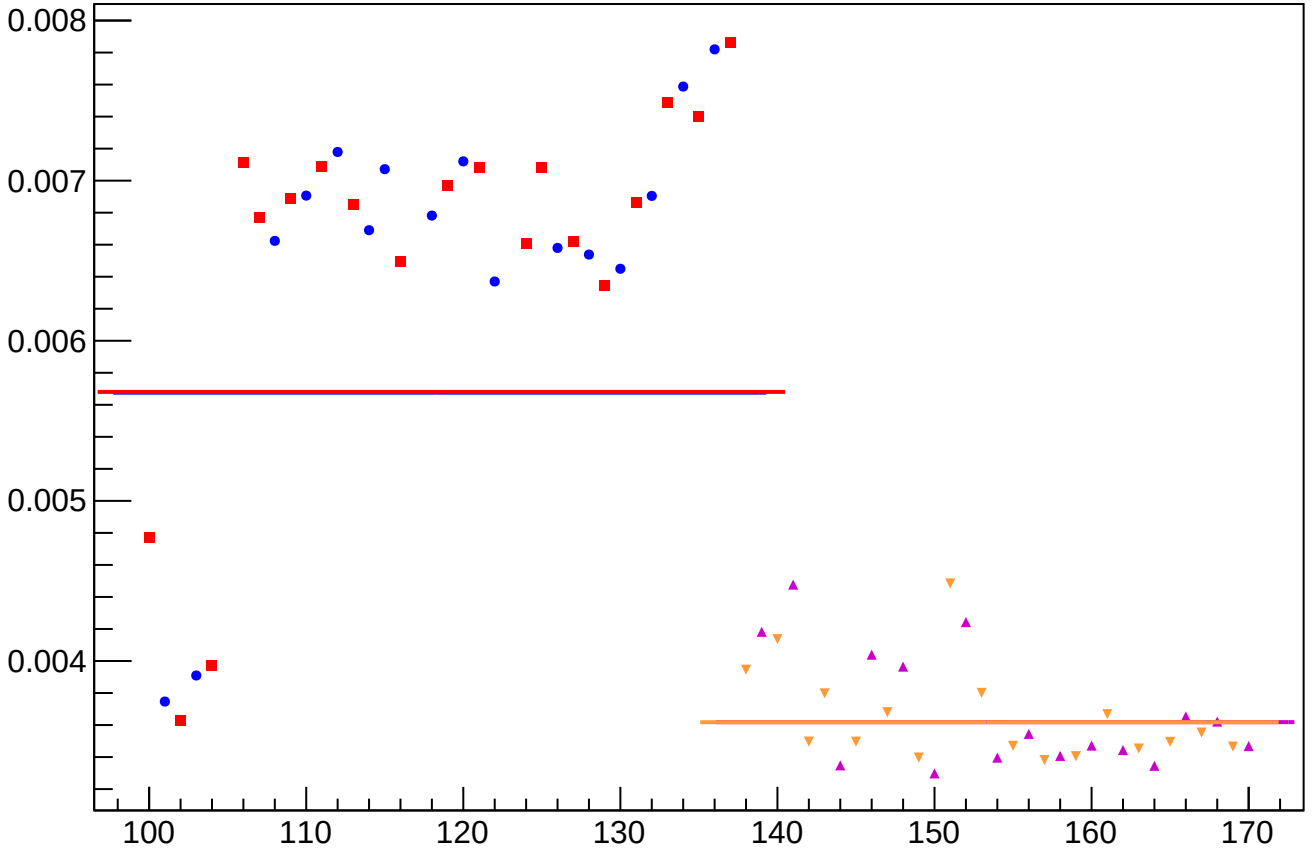
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.650+/-0.000 χ^2/NDF:904719568852.5/31

Out: 0.620+/-0.000 χ^2/NDF:847178576452.4/35

All: 0.635+/-0.000 χ^2/NDF: 1752388709263.

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:126536.7/16

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:206041.3/15

Left: 0.004+/-0.000 χ^2/NDF: 332578.3/32

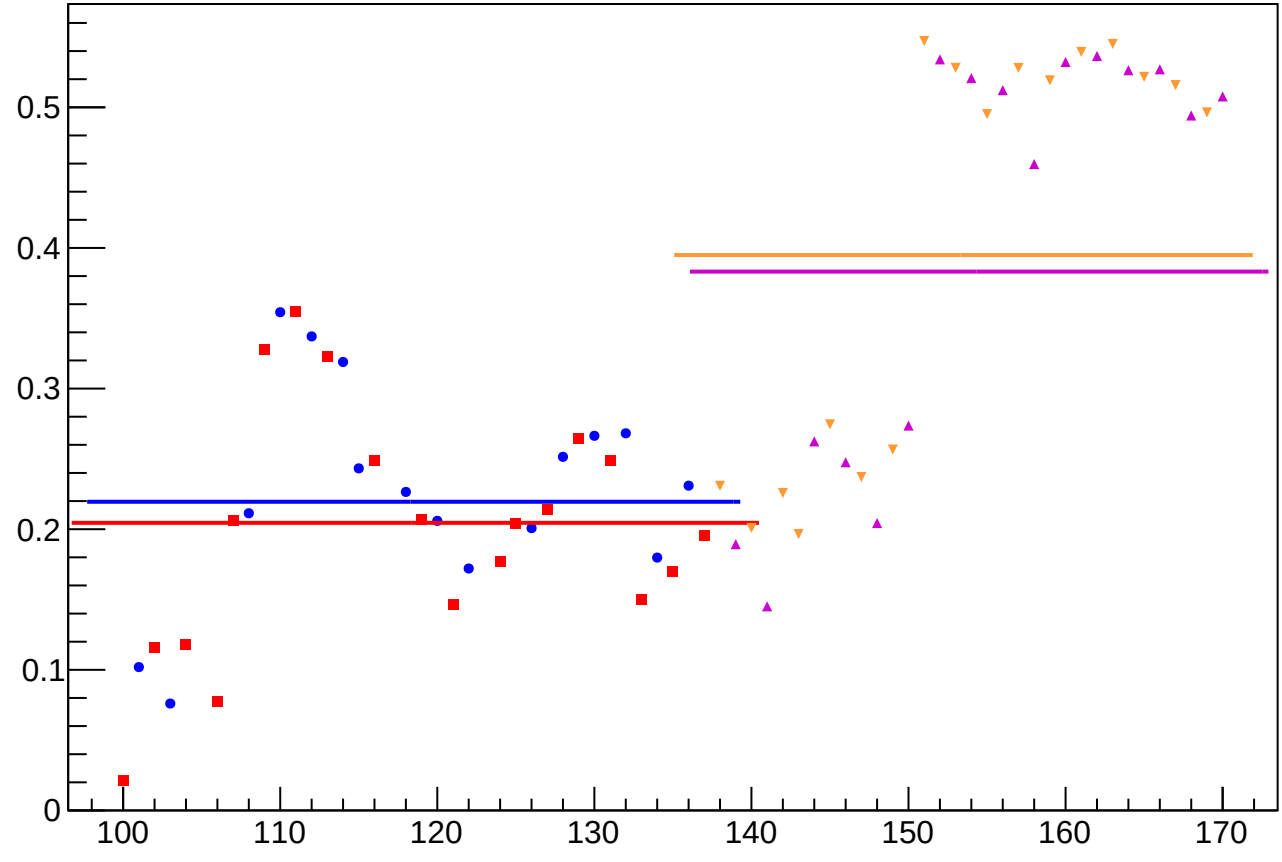
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2524272.2/31

Out: 0.004+/-0.000 χ^2/NDF:2505836.2/35

All: 0.004+/-0.000 χ^2/NDF: 5030121.0/67

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.395+/-0.000 χ^2/NDF:130272193609.4/16

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.383+/-0.000 χ^2/NDF:126036049995.7/15

Left: 0.389+/-0.000 χ^2/NDF: 256710563748.9/32

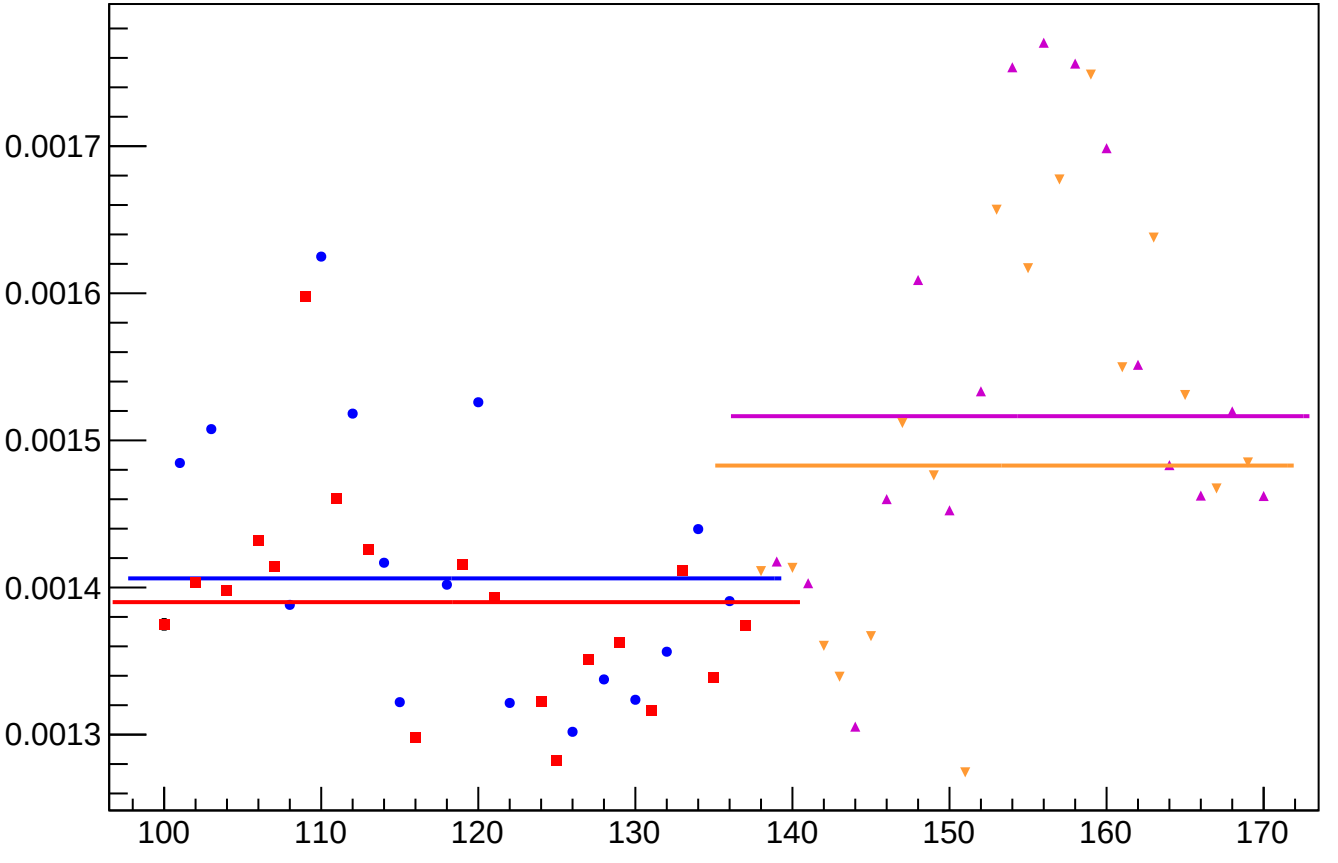
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.320+/-0.000 χ^2/NDF:200554101845.0/31

Out: 0.321+/-0.000 χ^2/NDF:236867456679.9/35

All: 0.321+/-0.000 χ^2/NDF: 437426578719.9

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:200805.2/16

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:198757.8/15

Left: 0.001+/-0.000 χ^2/NDF: 406088.2/32

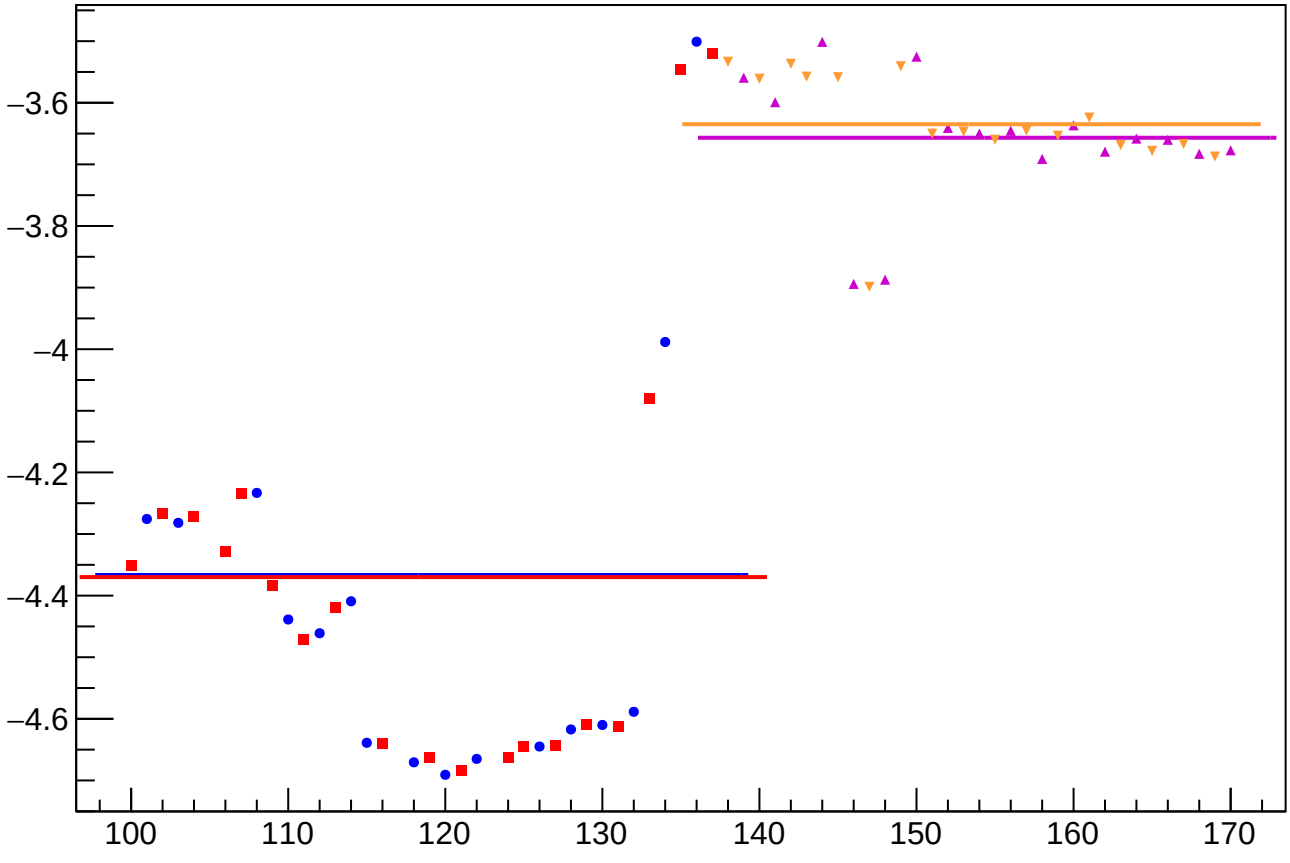
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:299414.6/31

Out: 0.001+/-0.000 χ^2/NDF:275659.6/35

All: 0.001+/-0.000 χ^2/NDF: 581991.5/67

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.635+/-0.000 χ^2/NDF:23034299331.5/16

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.657+/-0.000 χ^2/NDF:33691985444.5/15

Left: -3.646+/-0.000 χ^2/NDF: 57725062430.1/32

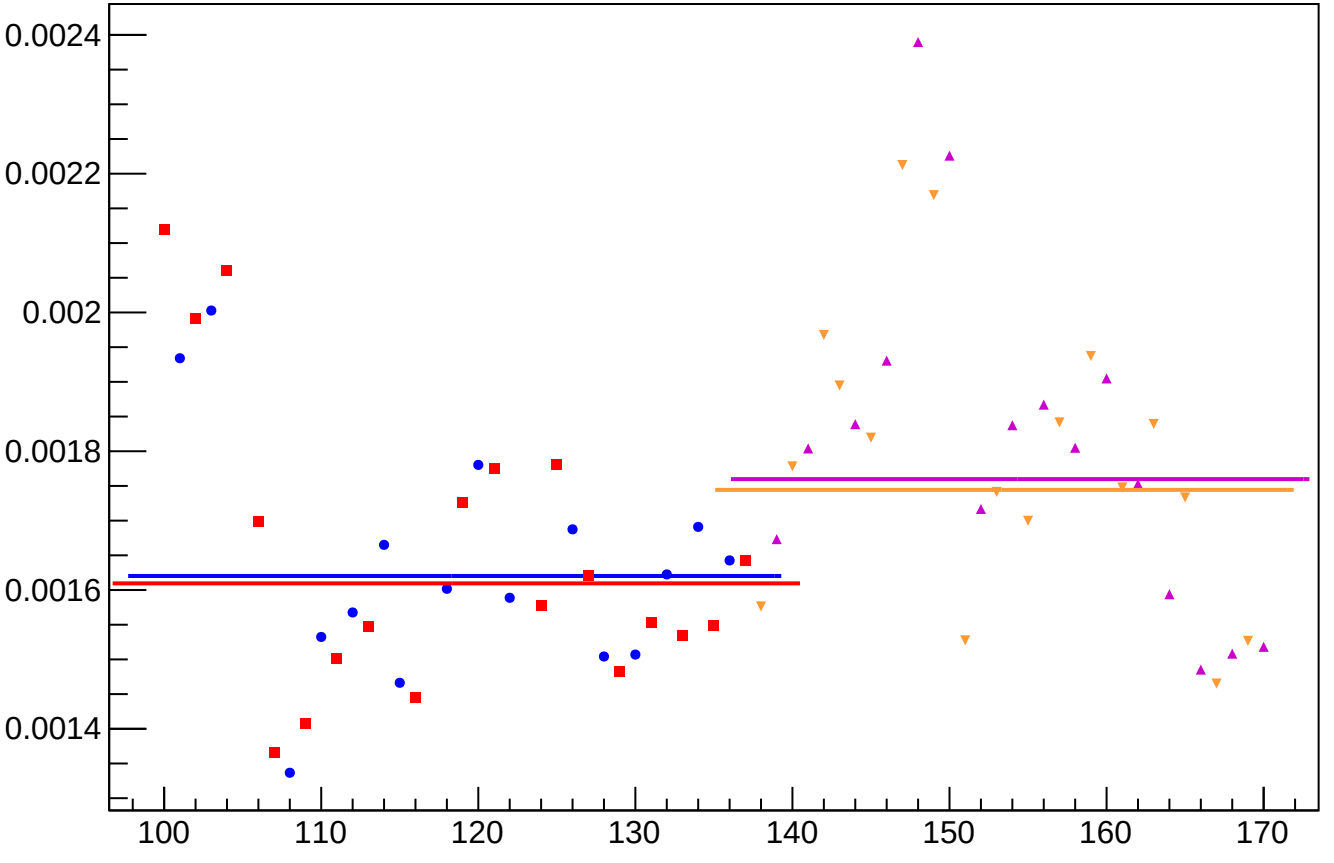
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.934+/-0.000 χ^2/NDF:1189610249705.4/31

Out: -3.925+/-0.000 χ^2/NDF:1217373895036.3/35

All: -3.930+/-0.000 χ^2/NDF: 2407273383450

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:323487.8/16

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:369543.5/15

Left: 0.002+/-0.000 χ^2/NDF: 694027.1/32

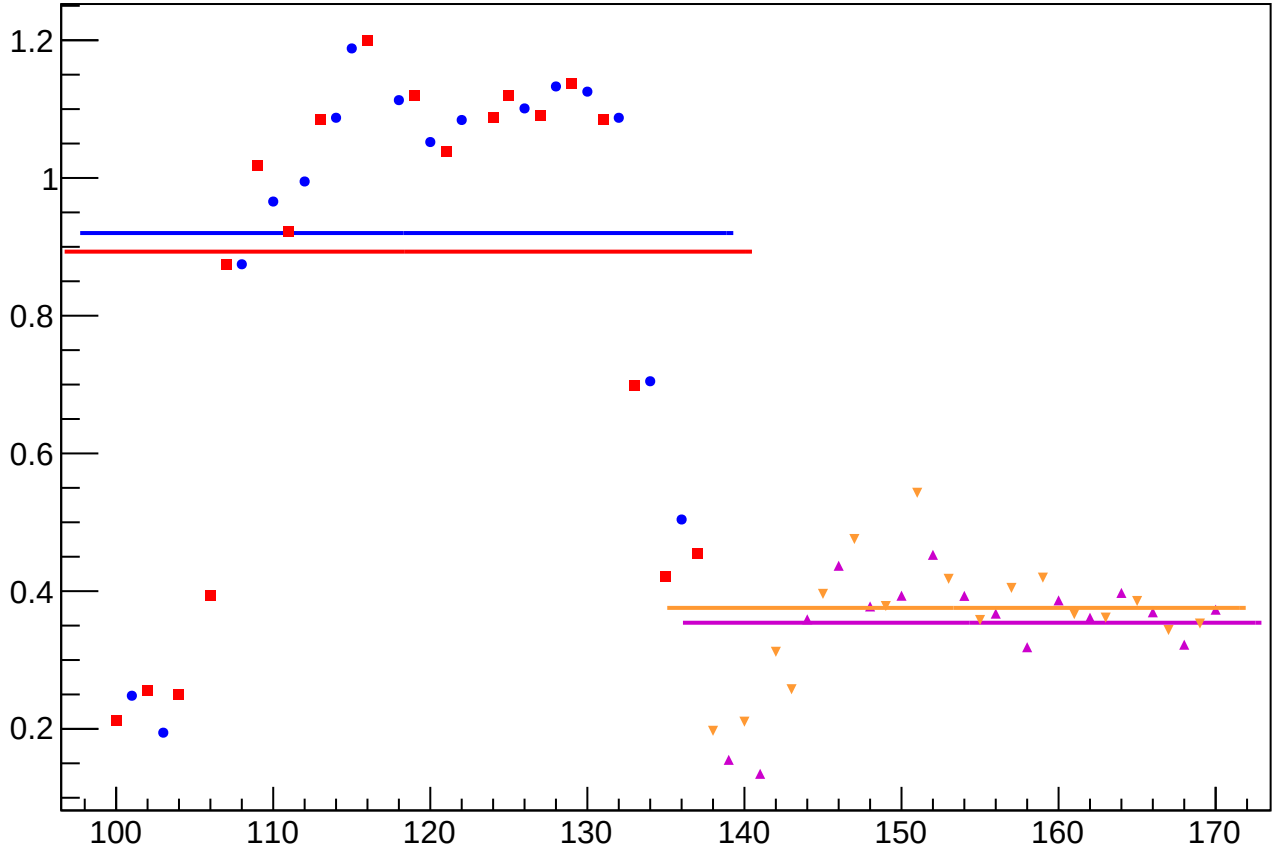
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:571882.0/31

Out: 0.002+/-0.000 χ^2/NDF:568812.3/35

All: 0.002+/-0.000 χ^2/NDF: 1142056.4/67

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.376+/-0.000 χ^2/NDF:1710321196.5/16

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.354+/-0.000 χ^2/NDF:1446467483.8/15

Left: 0.365+/-0.000 χ^2/NDF: 3213869872.7/32

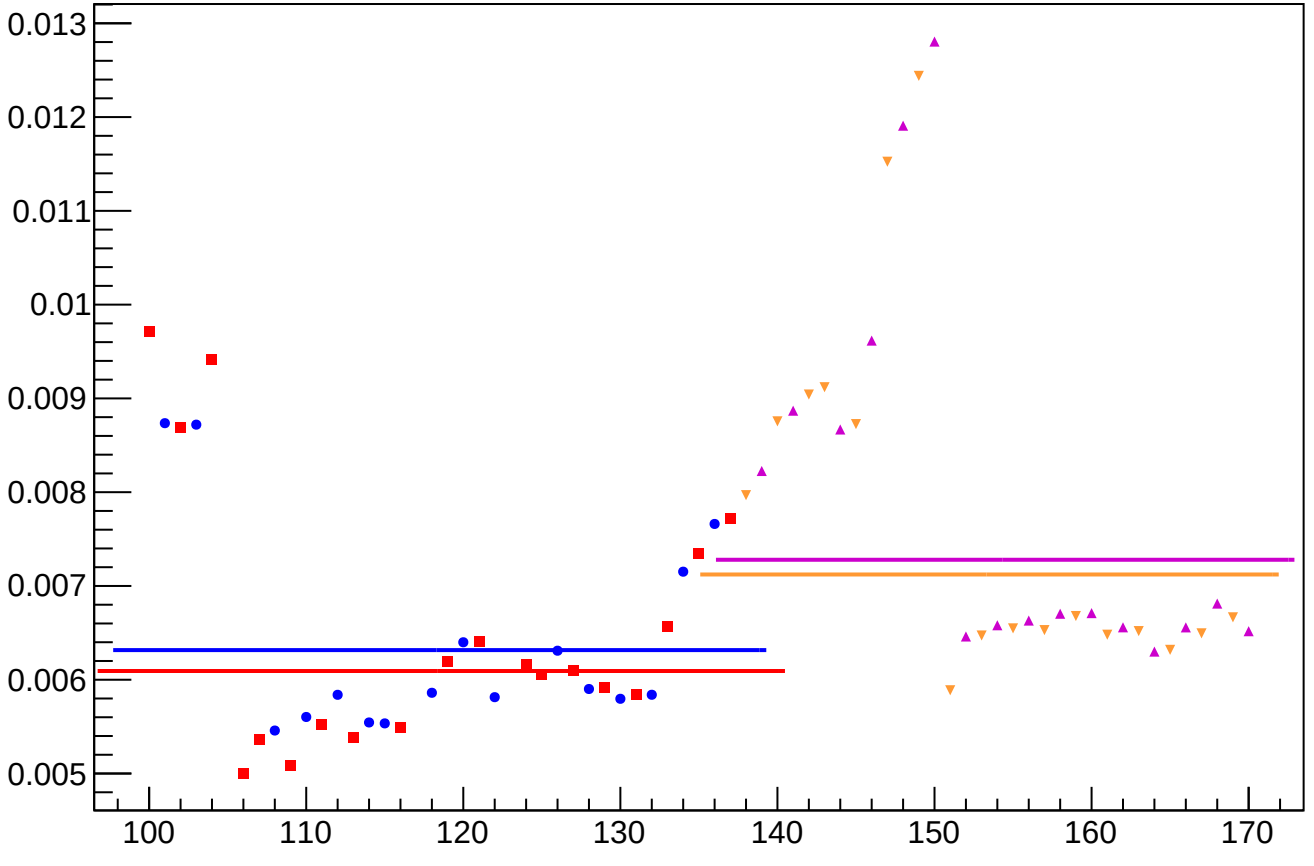
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.594+/-0.000 χ^2/NDF:48412221003.6/31

Out: 0.601+/-0.000 χ^2/NDF:48851311303.0/35

All: 0.598+/-0.000 χ^2/NDF: 97273752570.4/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:986350.1/16

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:993415.6/15

Left: 0.007+/-0.000 χ^2/NDF: 1985816.4/32

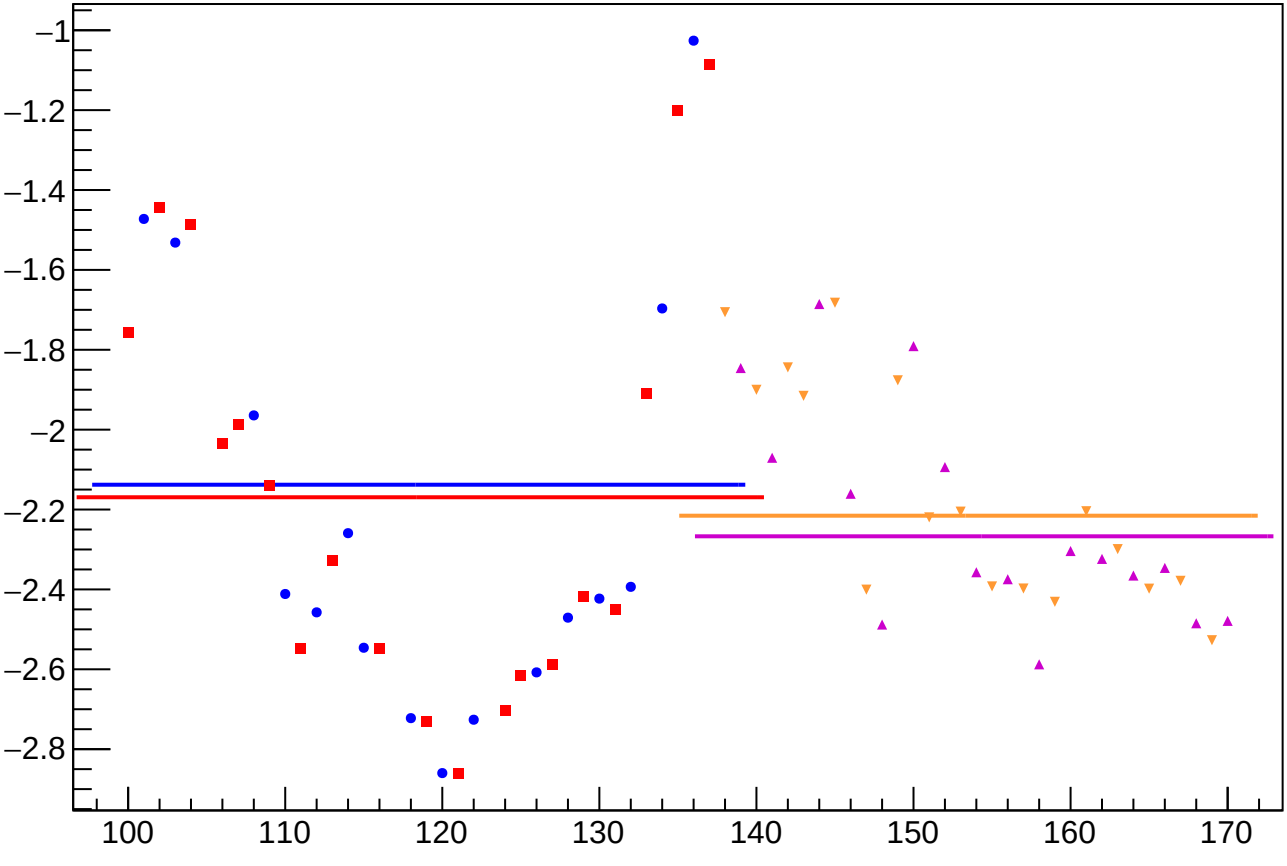
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1516911.1/31

Out: 0.007+/-0.000 χ^2/NDF:1655806.2/35

All: 0.007+/-0.000 χ^2/NDF: 3189387.7/67

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.215+/-0.000 χ^2/NDF:19036871391.7/16

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.267+/-0.000 χ^2/NDF:17277403243.1/15

Left: -2.241+/-0.000 χ^2/NDF: 36721878040.8/32

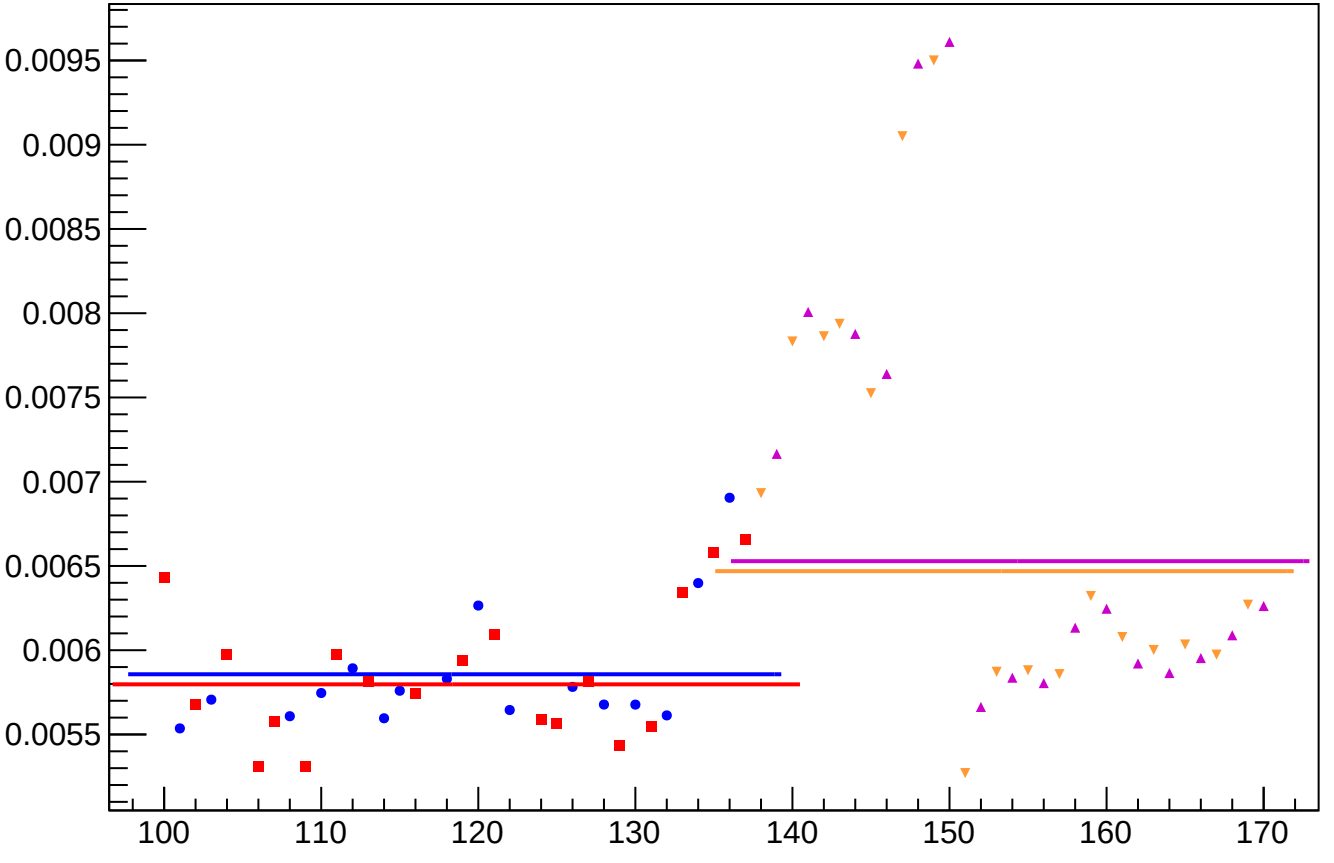
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.214+/-0.000 χ^2/NDF:85005599519.1/31

Out: -2.196+/-0.000 χ^2/NDF:76722354272.5/35

All: -2.205+/-0.000 χ^2/NDF: 161810630981.

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:651568.1/16

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:665600.6/15

Left: 0.006+/-0.000 χ^2/NDF: 1318246.1/32

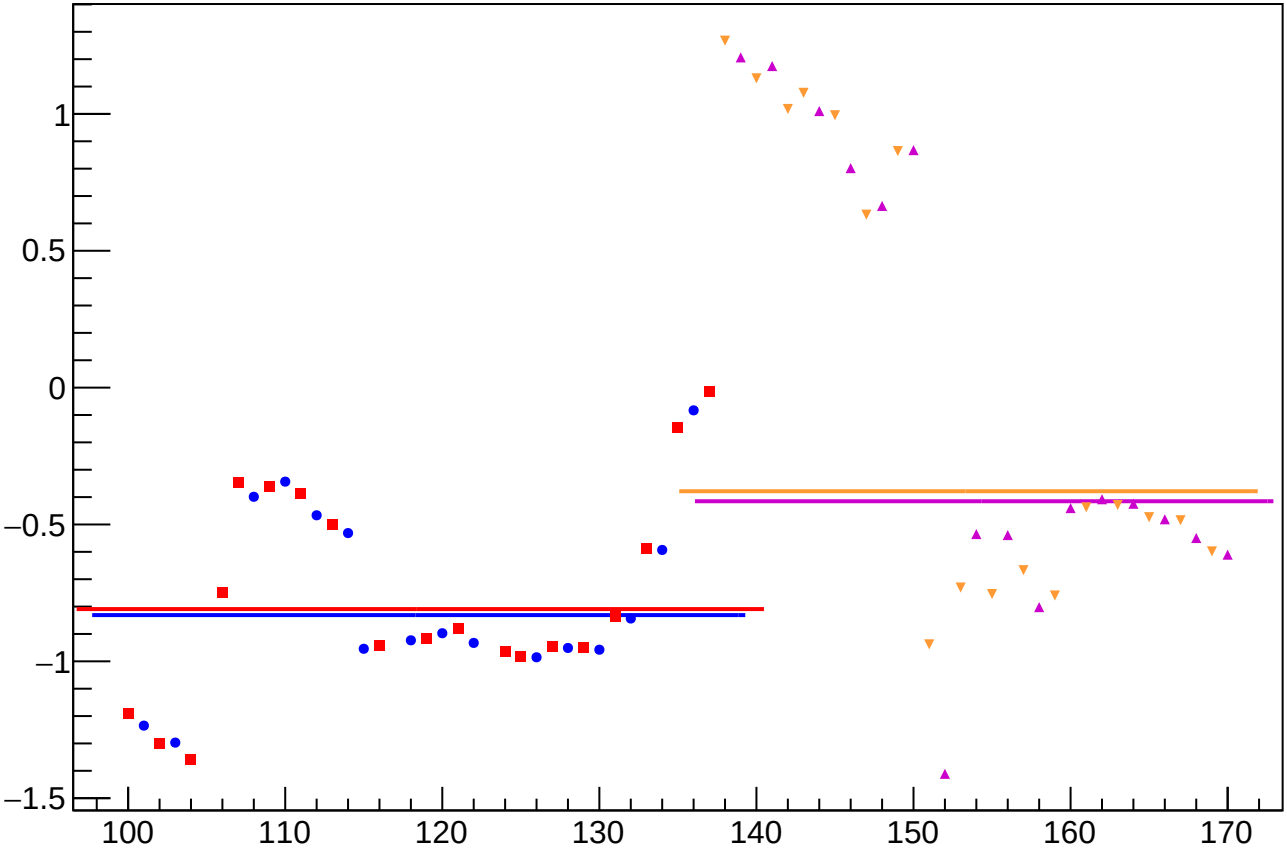
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:838927.7/31

Out: 0.006+/-0.000 χ^2/NDF:824902.7/35

All: 0.006+/-0.000 χ^2/NDF: 1665919.8/67

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.379+/-0.000 χ^2/NDF:78618909395.6/16

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.415+/-0.000 χ^2/NDF:88577374634.4/15

Left: -0.397+/-0.000 χ^2/NDF: 167339095601.9/32

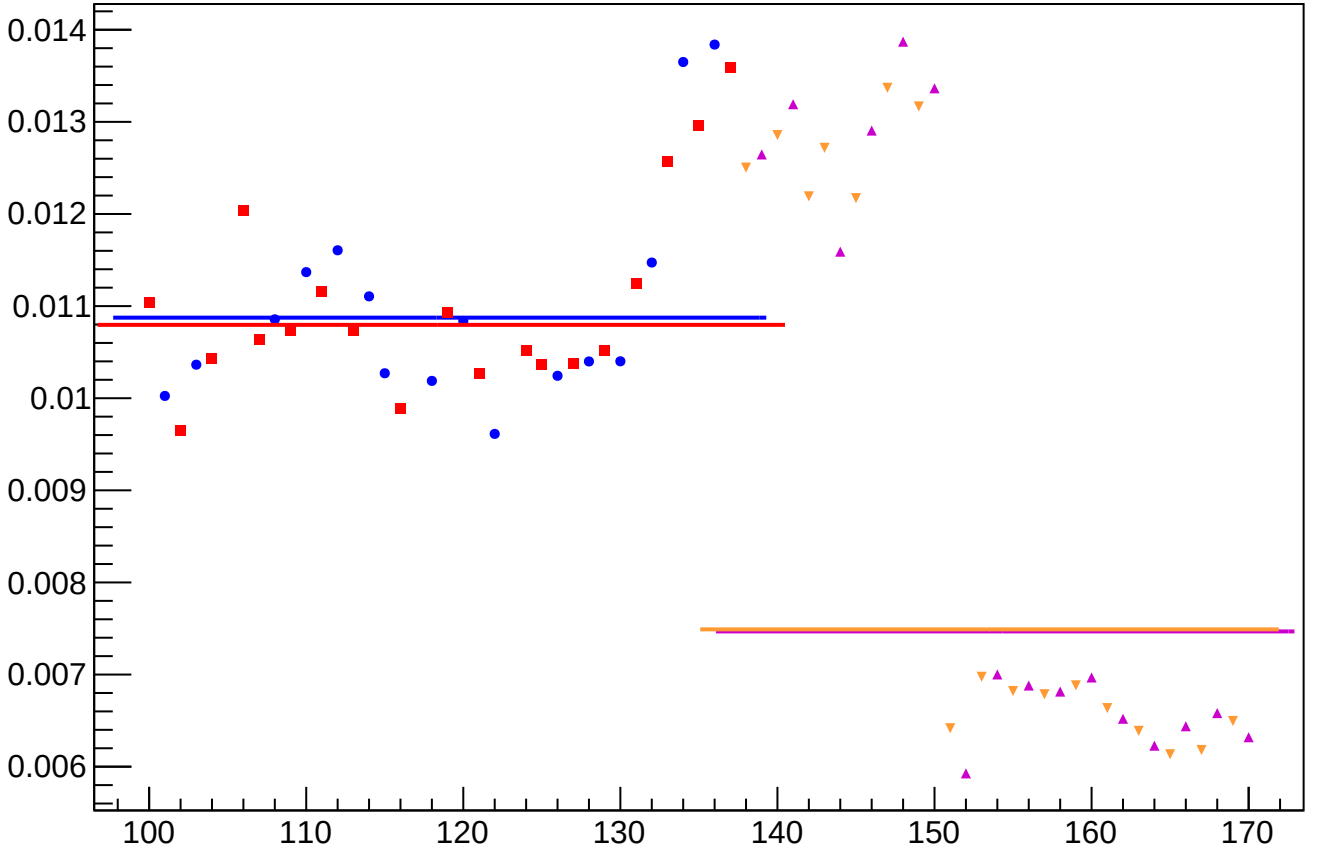
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.506+/-0.000 χ^2/NDF:103736777281.2/31

Out: -0.475+/-0.000 χ^2/NDF:95684296287.9/35

All: -0.490+/-0.000 χ^2/NDF: 199552566040.

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:2123046.4/16

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2176000.4/15

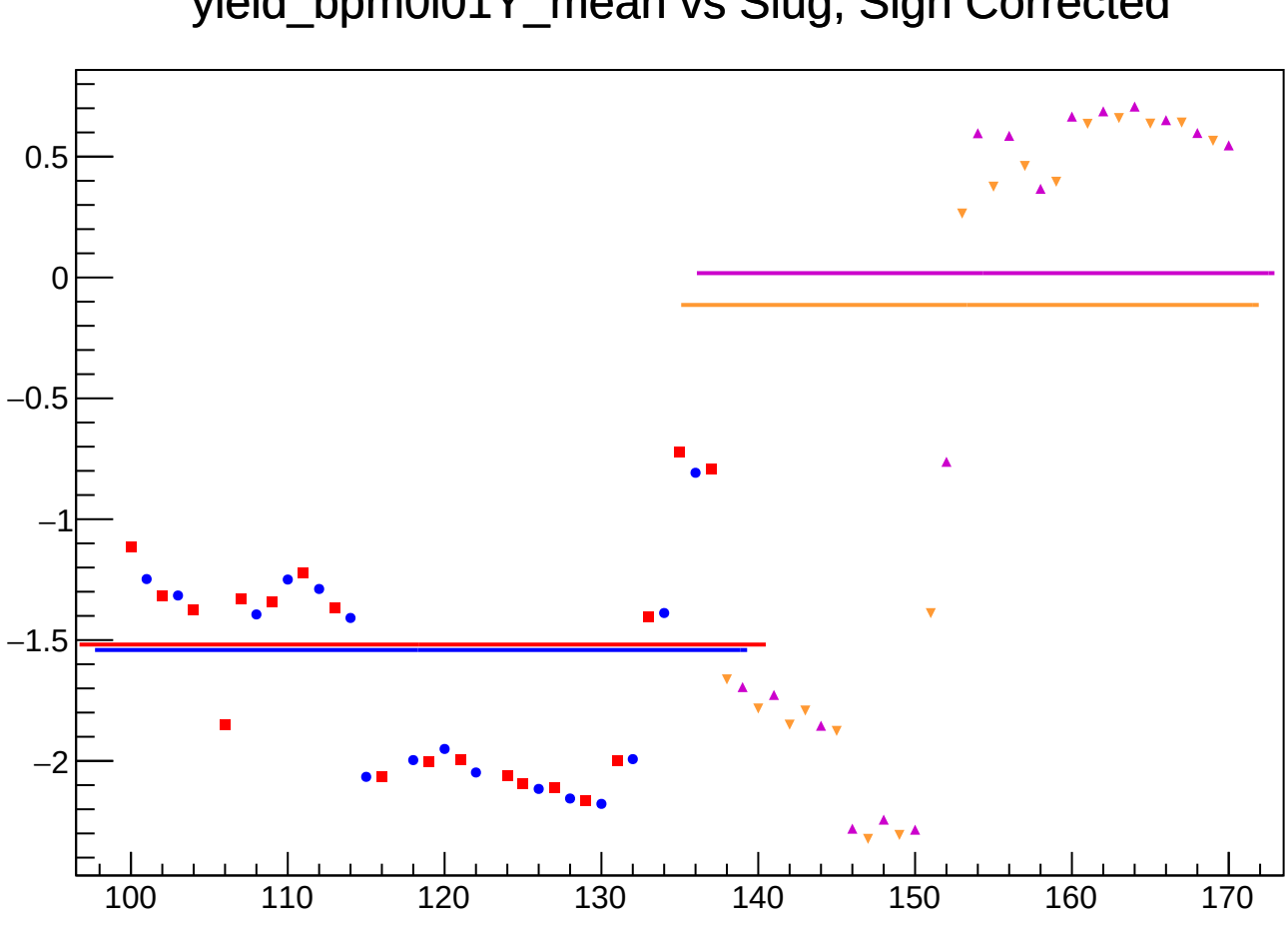
Left: 0.007+/-0.000 χ^2/NDF: 4299154.1/32

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3412711.5/31

Out: 0.008+/-0.000 χ^2/NDF:3273657.9/35

All: 0.008+/-0.000 χ^2/NDF: 6686468.6/67



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.114+/-0.000 χ^2/NDF:2057131457925.7/16

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.018+/-0.000 χ^2/NDF:1912928757495.8/15

Left: -0.048+/-0.000 χ^2/NDF: 3985734960573.8/32

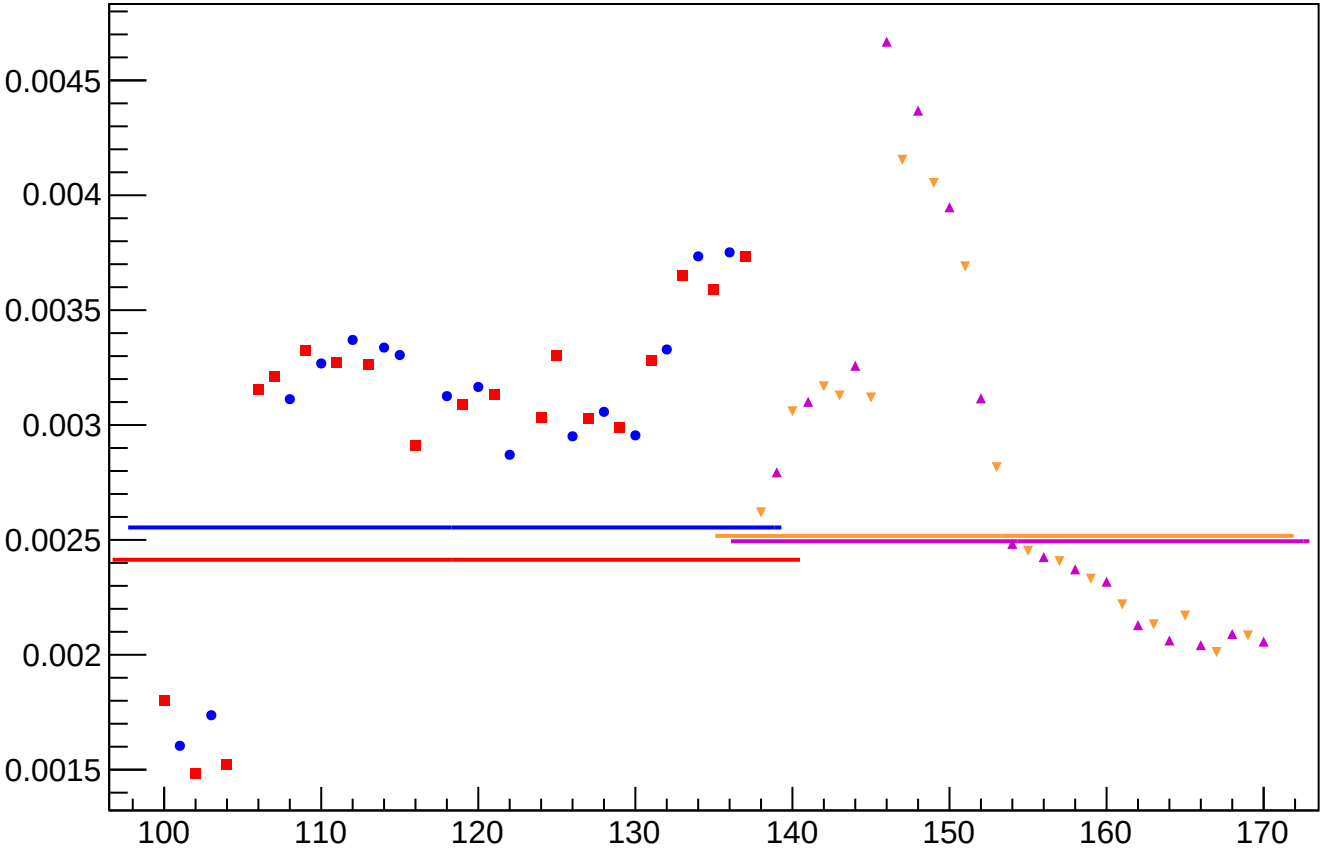
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.512+/-0.000 χ^2/NDF:3564960512524.5/31

Out: -0.617+/-0.000 χ^2/NDF:3490090401819.5/35

All: -0.566+/-0.000 χ^2/NDF: 7070442845484

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:1005209.6/16

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1207529.5/15

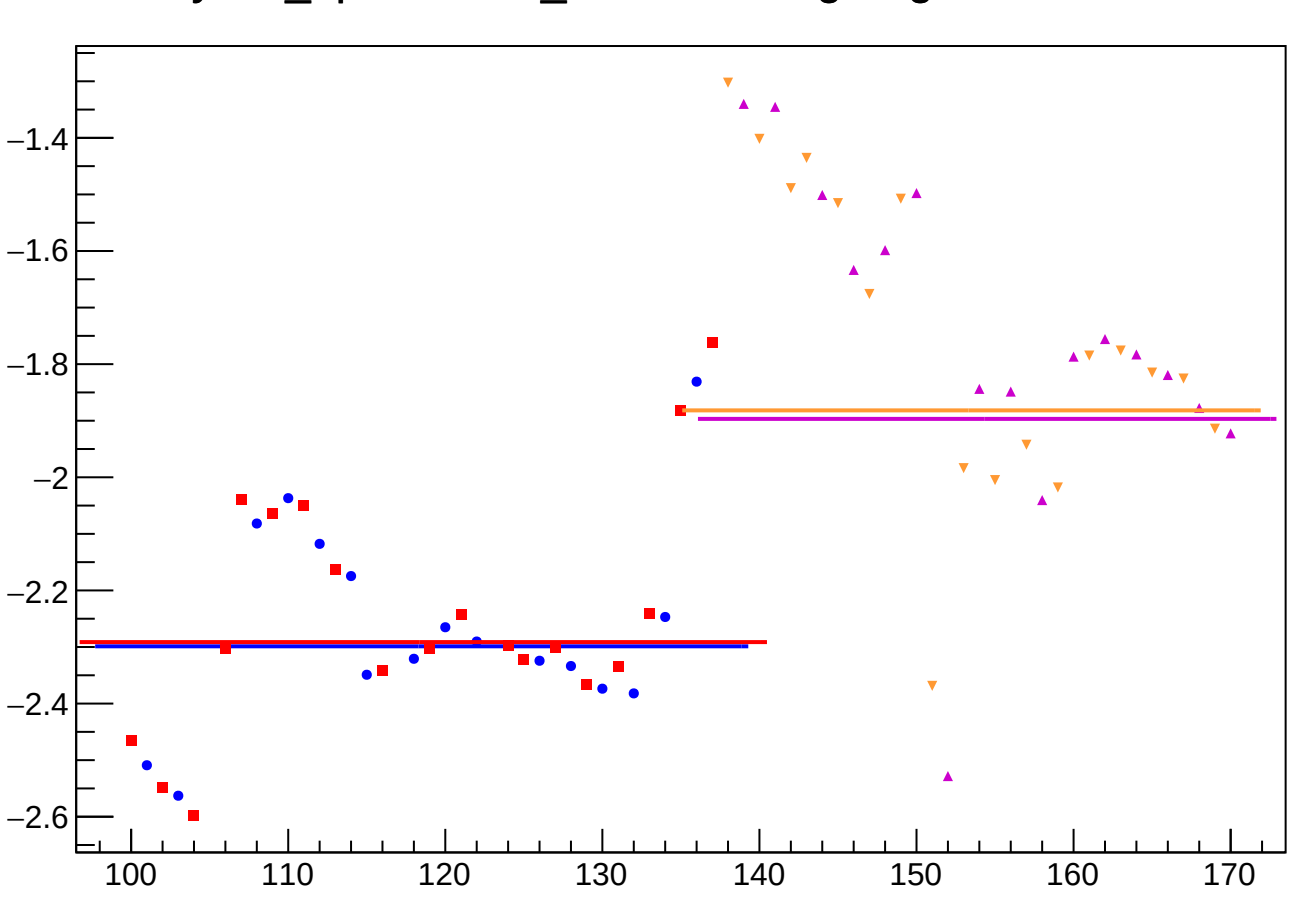
Left: 0.003+/-0.000 χ^2/NDF: 2213733.6/32

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

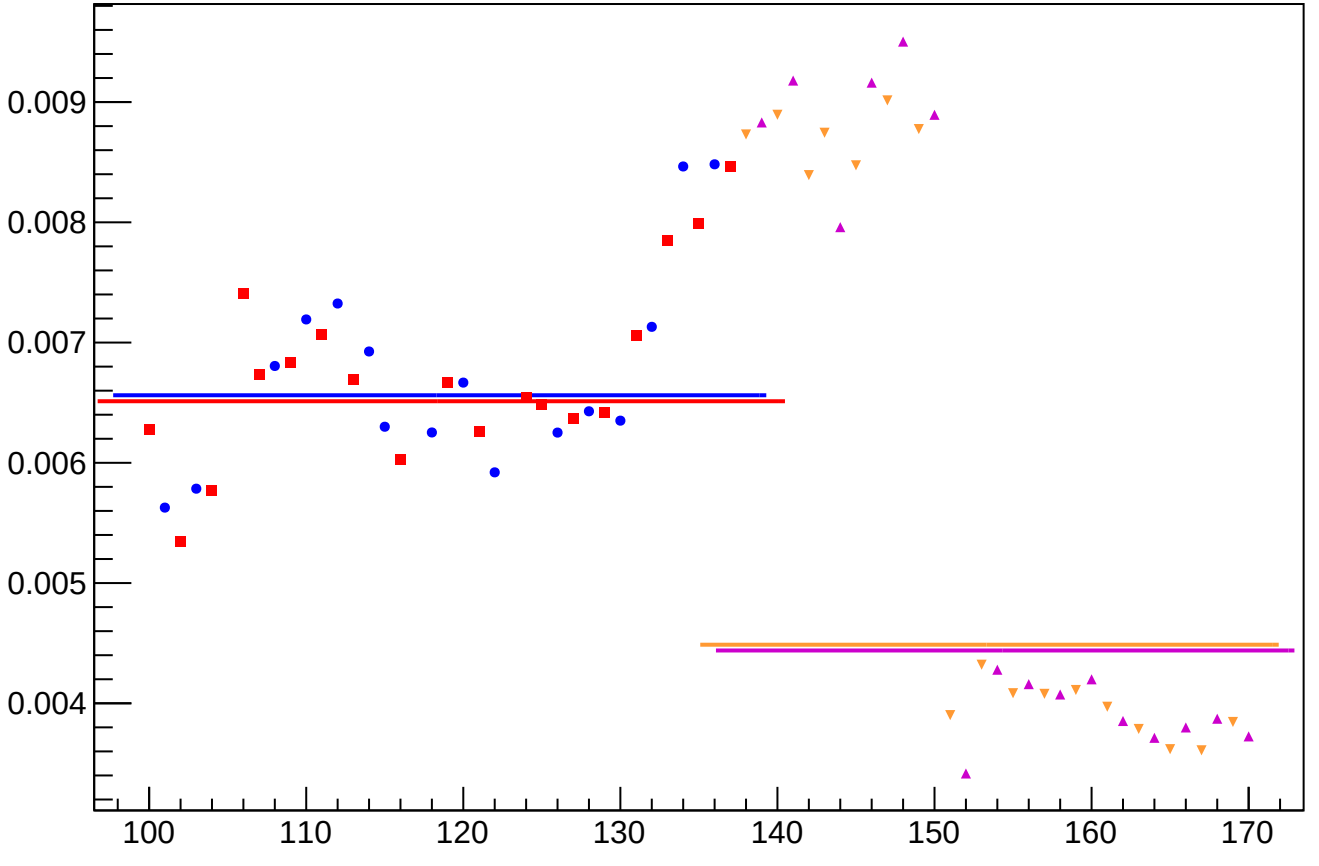
In: 0.003+/-0.000 χ^2/NDF:2384386.0/31

Out: 0.002+/-0.000 χ^2/NDF:2566112.7/35

All: 0.002+/-0.000 χ^2/NDF: 4953757.4/67


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.882+/-0.000 χ²/NDF:27261455479.9/16
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.897+/-0.000 χ²/NDF:43342626221.2/15
Left: -1.889+/-0.000 χ²/NDF: 70668865775.4/32
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.985+/-0.000 χ²/NDF:69758418523.5/31
Out: -1.975+/-0.000 χ²/NDF:55816924874.0/35
All: -1.980+/-0.000 χ²/NDF: 125614446714.3

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:2803711.6/16

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:2899798.6/15

Left: 0.004+/-0.000 χ^2/NDF: 5704829.8/32

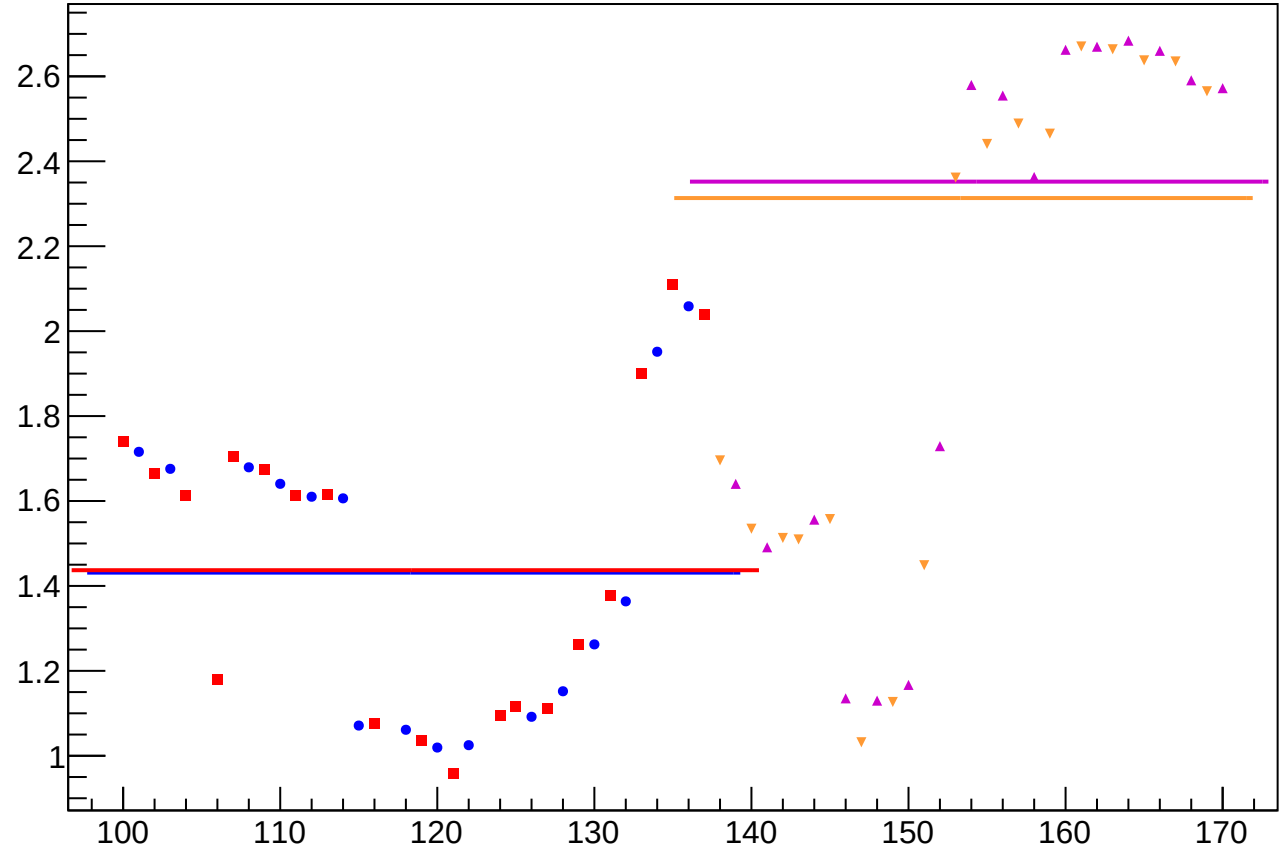
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4252727.3/31

Out: 0.005+/-0.000 χ^2/NDF:4050376.7/35

All: 0.005+/-0.000 χ^2/NDF: 8304391.7/67

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.313+/-0.000 χ^2/NDF:211564570079.5/16

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.352+/-0.000 χ^2/NDF:206670882872.5/15

Left: 2.333+/-0.000 χ^2/NDF: 418986597578.7/32

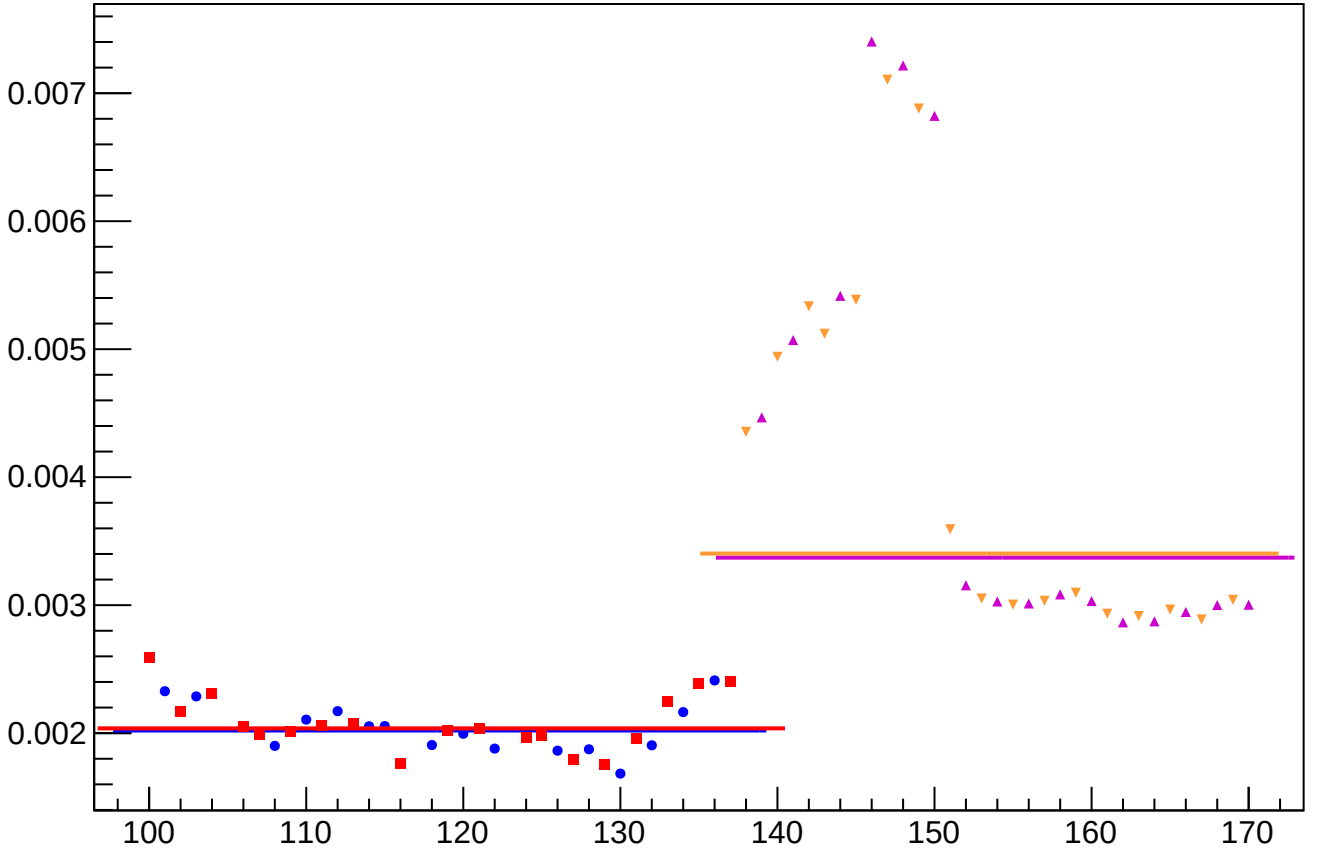
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.782+/-0.000 χ^2/NDF:921014976283.2/31

Out: 1.772+/-0.000 χ^2/NDF:872379897300.8/35

All: 1.777+/-0.000 χ^2/NDF: 1793533623563.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1681346.1/16

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1932543.3/15

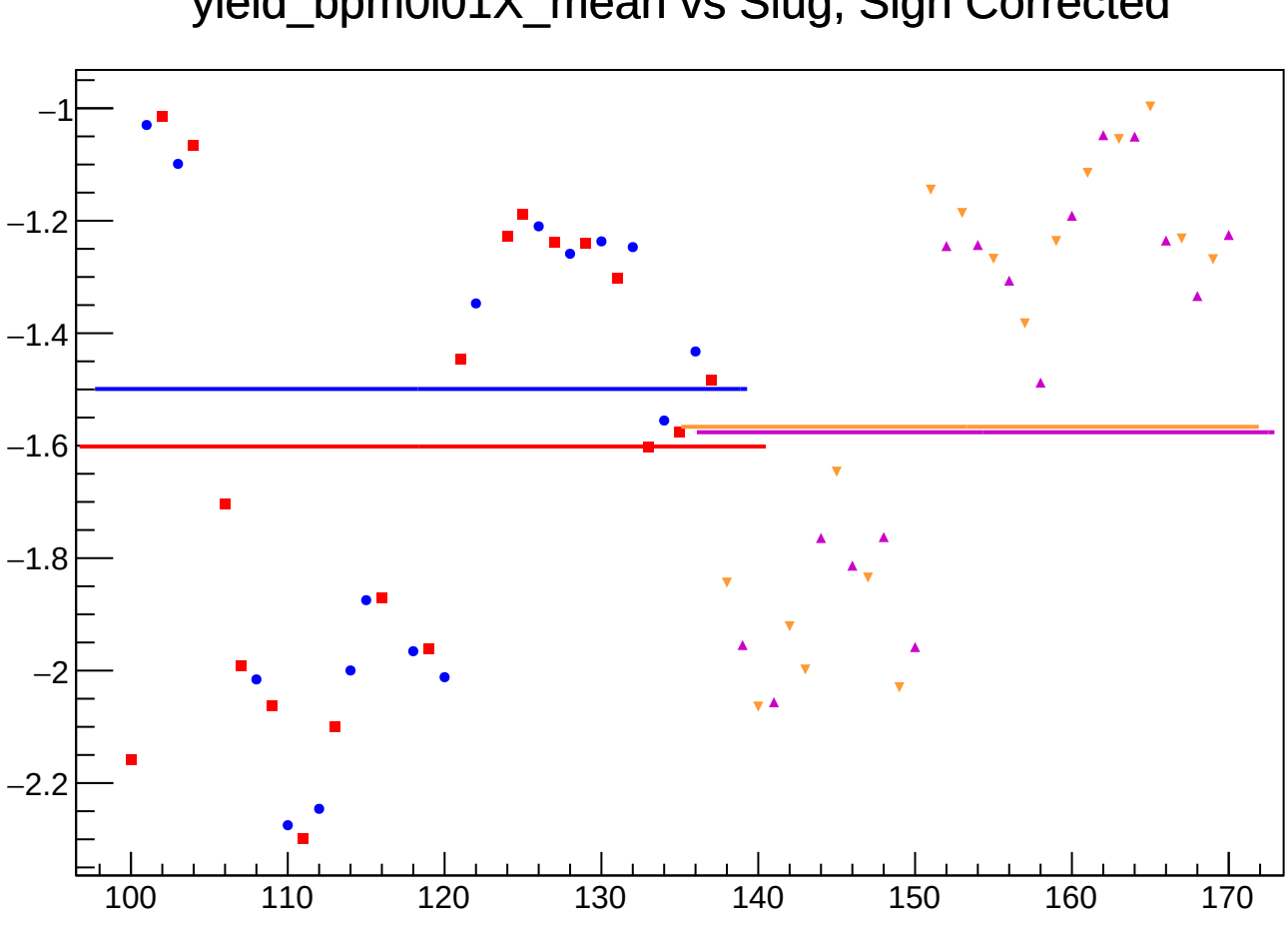
Left: 0.003+/-0.000 χ^2/NDF: 3614925.2/32

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

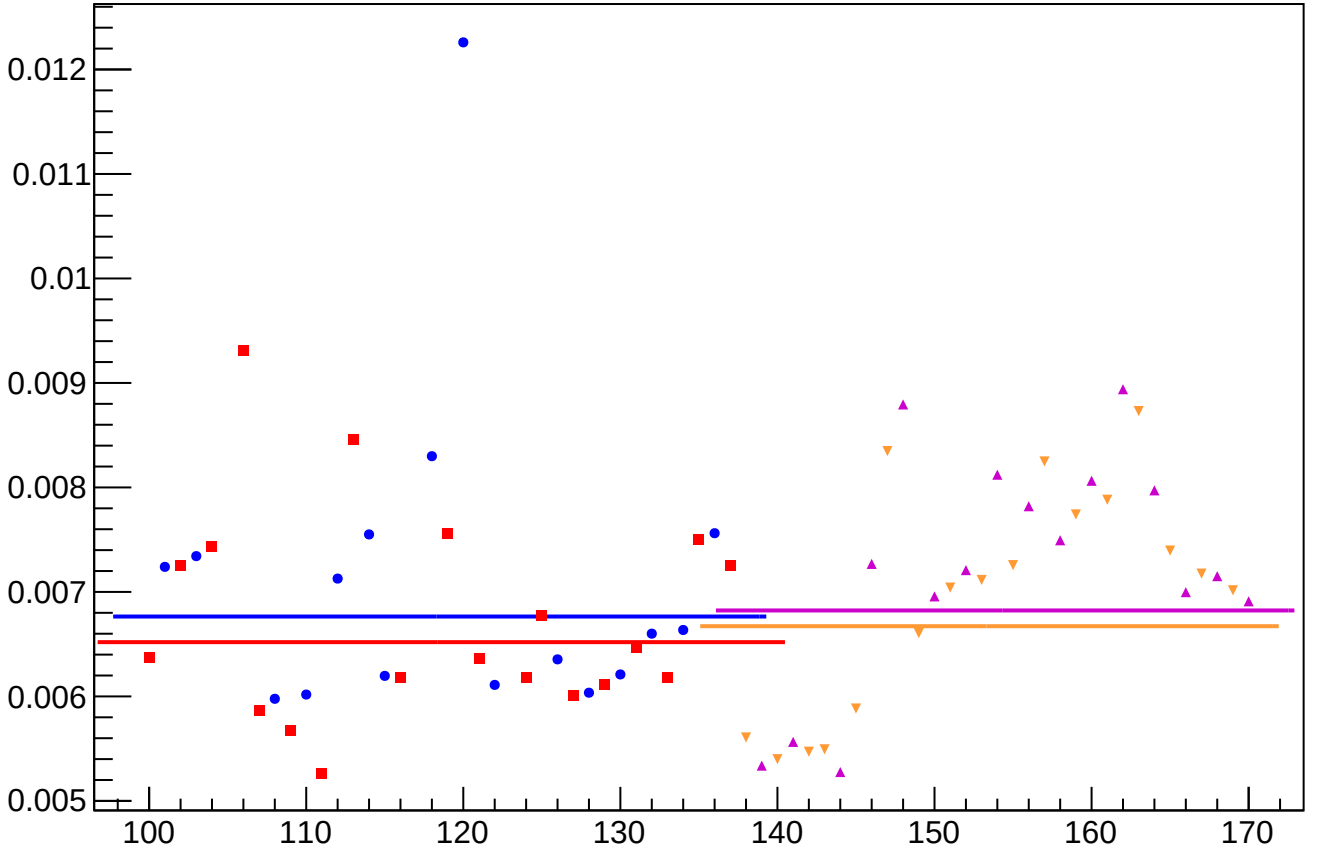
In: 0.003+/-0.000 χ^2/NDF:4347610.6/31

Out: 0.003+/-0.000 χ^2/NDF:4120985.0/35

All: 0.003+/-0.000 χ^2/NDF: 8470132.7/67


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: -1.566+/-0.000 χ²/NDF:40259075279.2/16
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.576+/-0.000 χ²/NDF:30633604454.6/15
Left: -1.571+/-0.000 χ²/NDF: 70905359069.7/32
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.549+/-0.000 χ²/NDF:54106922556.5/31
Out: -1.579+/-0.000 χ²/NDF:68709917756.8/35
All: -1.565+/-0.000 χ²/NDF: 123010980621.3

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:598532.9/16

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:678687.1/15

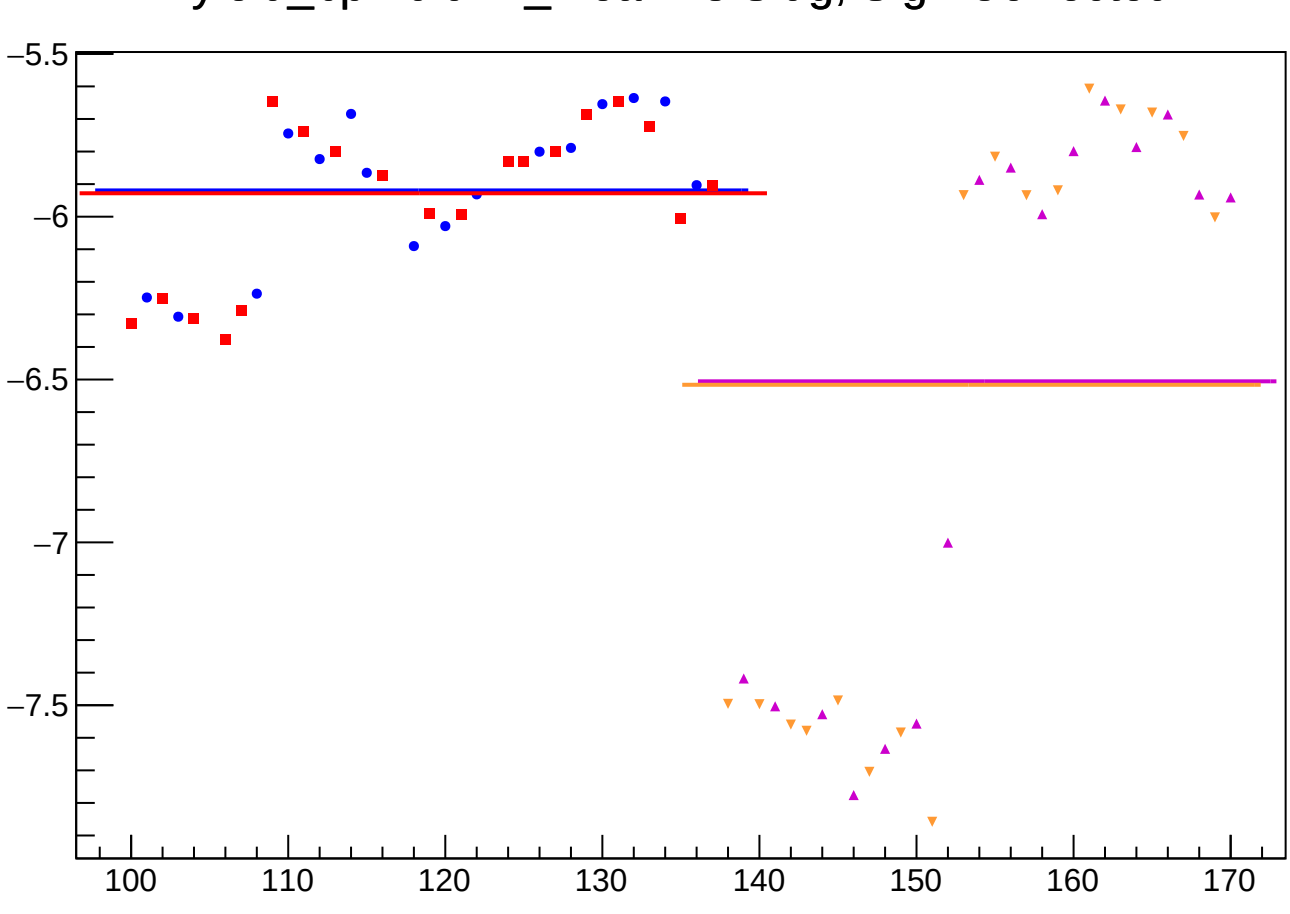
Left: 0.007+/-0.000 χ^2/NDF: 1283315.4/32

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

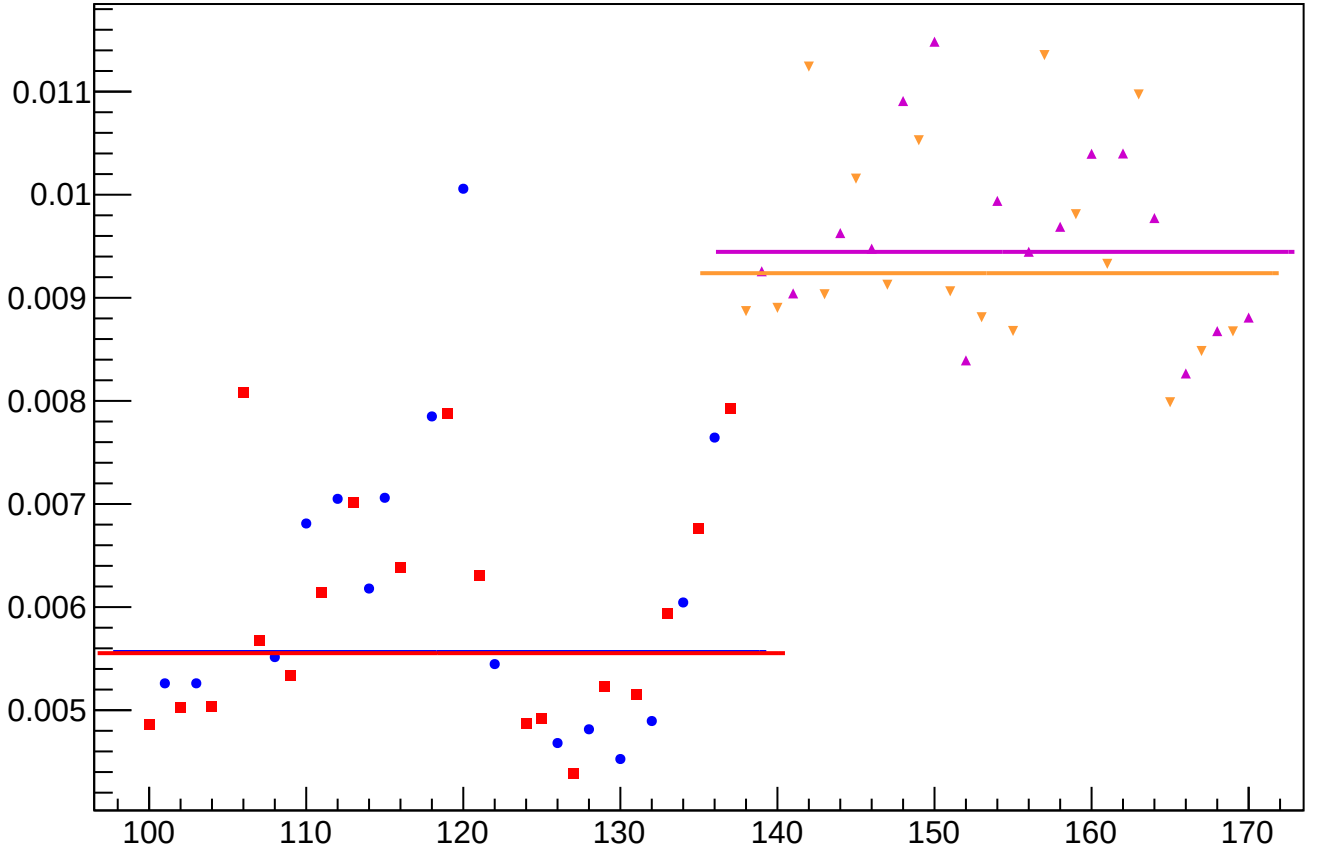
In: 0.007+/-0.000 χ^2/NDF:917871.6/31

Out: 0.007+/-0.000 χ^2/NDF:848731.6/35

All: 0.007+/-0.000 χ^2/NDF: 1781191.0/67


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
110
120
130
140
150
160
170
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -6.516+/-0.000 χ²/NDF:97365386761.2/16
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -6.506+/-0.000 χ²/NDF:78223335631.0/15
Left: -6.511+/-0.000 χ²/NDF: 175595568542.9/32
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.139+/-0.000 χ²/NDF:115503009639.0/31
Out: -6.147+/-0.000 χ²/NDF:137066359867.8/35
All: -6.143+/-0.000 χ²/NDF: 252578021586.

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:195571.7/16

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:163962.4/15

Left: 0.009+/-0.000 χ^2/NDF: 364737.6/32

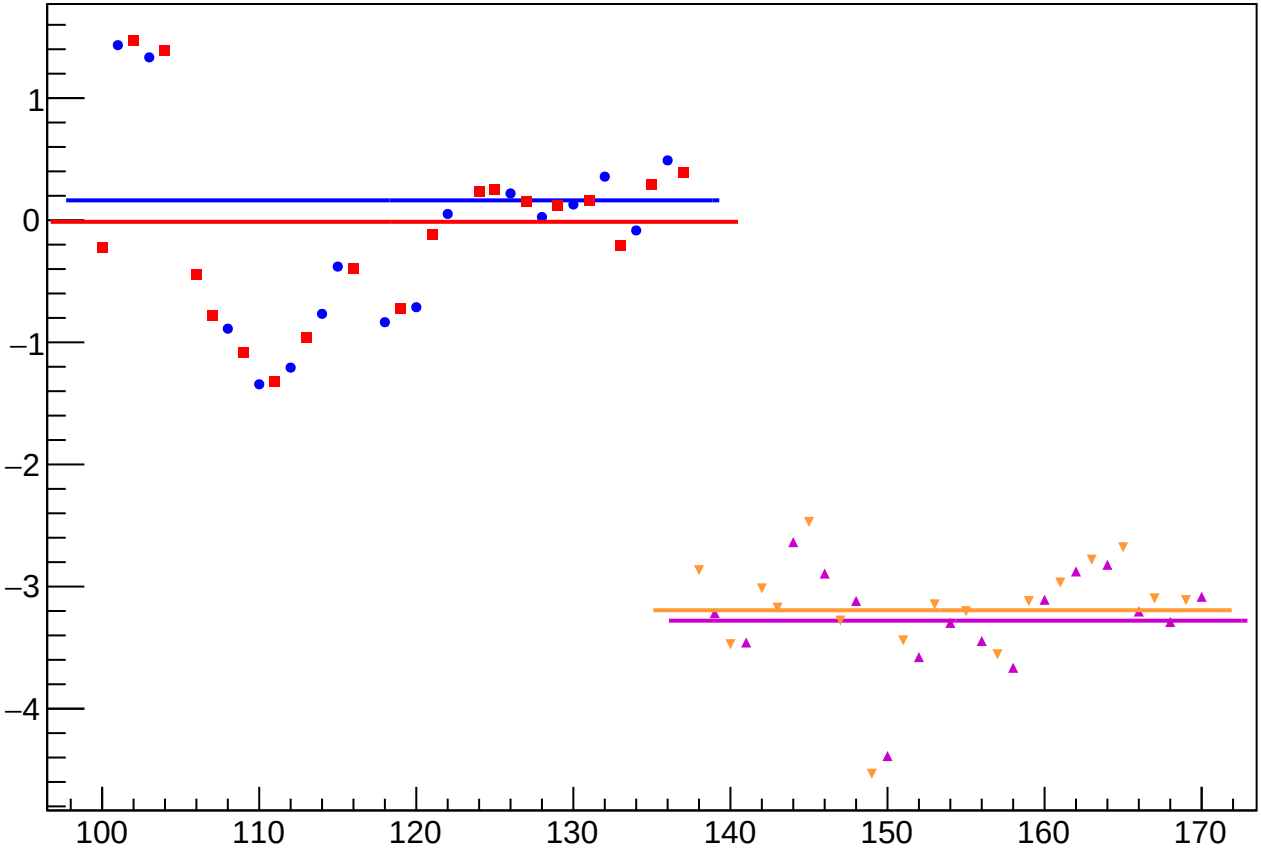
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2899149.7/31

Out: 0.007+/-0.000 χ^2/NDF:2686311.9/35

All: 0.007+/-0.000 χ^2/NDF: 5588589.2/67

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.194+/-0.000 χ^2/NDF:8124701507.6/16

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.279+/-0.000 χ^2/NDF:6413123729.9/15

Left: -3.236+/-0.000 χ^2/NDF: 14688483858.7/32

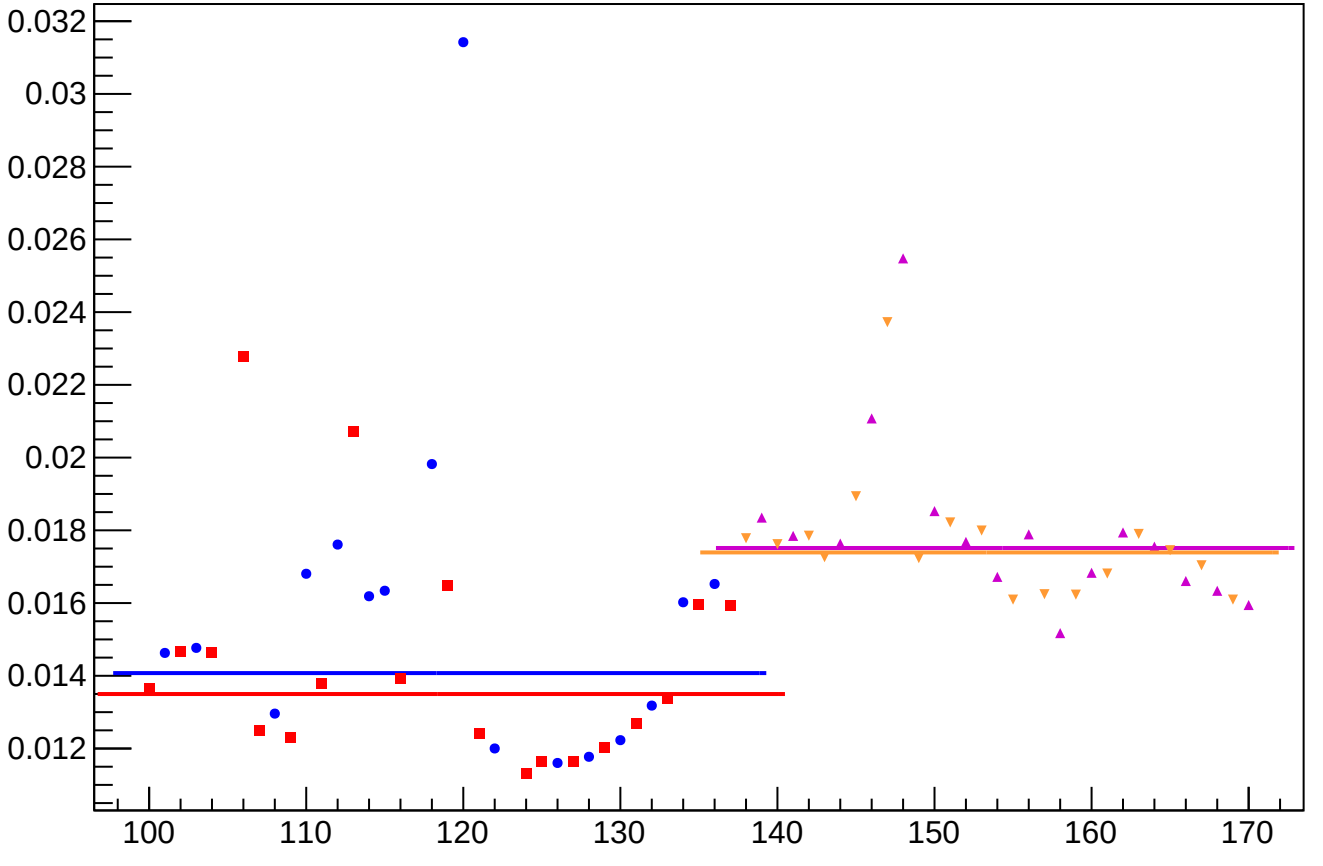
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.770+/-0.000 χ^2/NDF:236083339718.6/31

Out: -1.703+/-0.000 χ^2/NDF:230500471879.8/35

All: -1.735+/-0.000 χ^2/NDF: 466751936018.3

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:164740.3/16

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:278034.7/15

Left: 0.017+/-0.000 χ^2/NDF: 443392.3/32

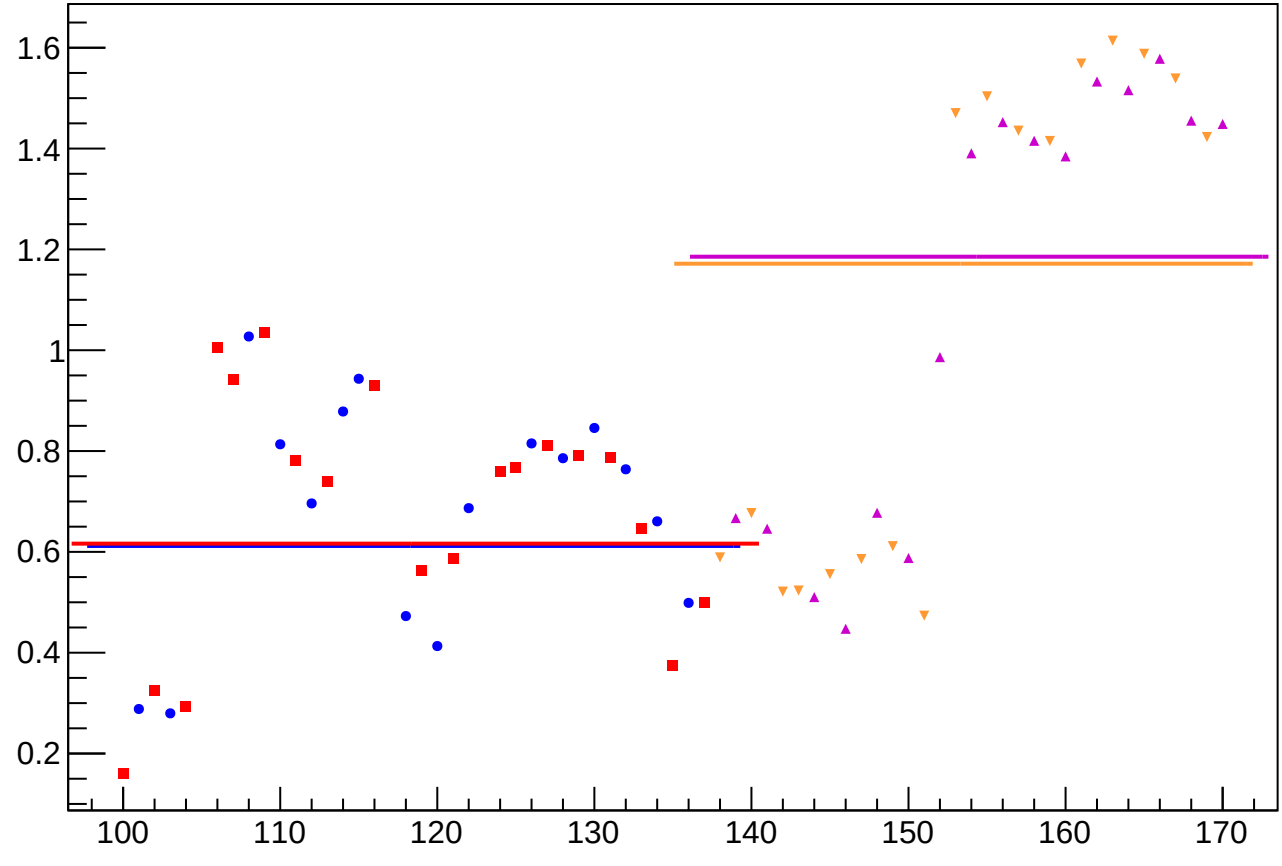
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1166403.5/31

Out: 0.016+/-0.000 χ^2/NDF:1078502.1/35

All: 0.016+/-0.000 χ^2/NDF: 2259467.6/67

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.172+/-0.000 χ^2/NDF:40632129344.0/16

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.185+/-0.000 χ^2/NDF:33030759658.3/15

Left: 1.179+/-0.000 χ^2/NDF: 73683369614.3/32

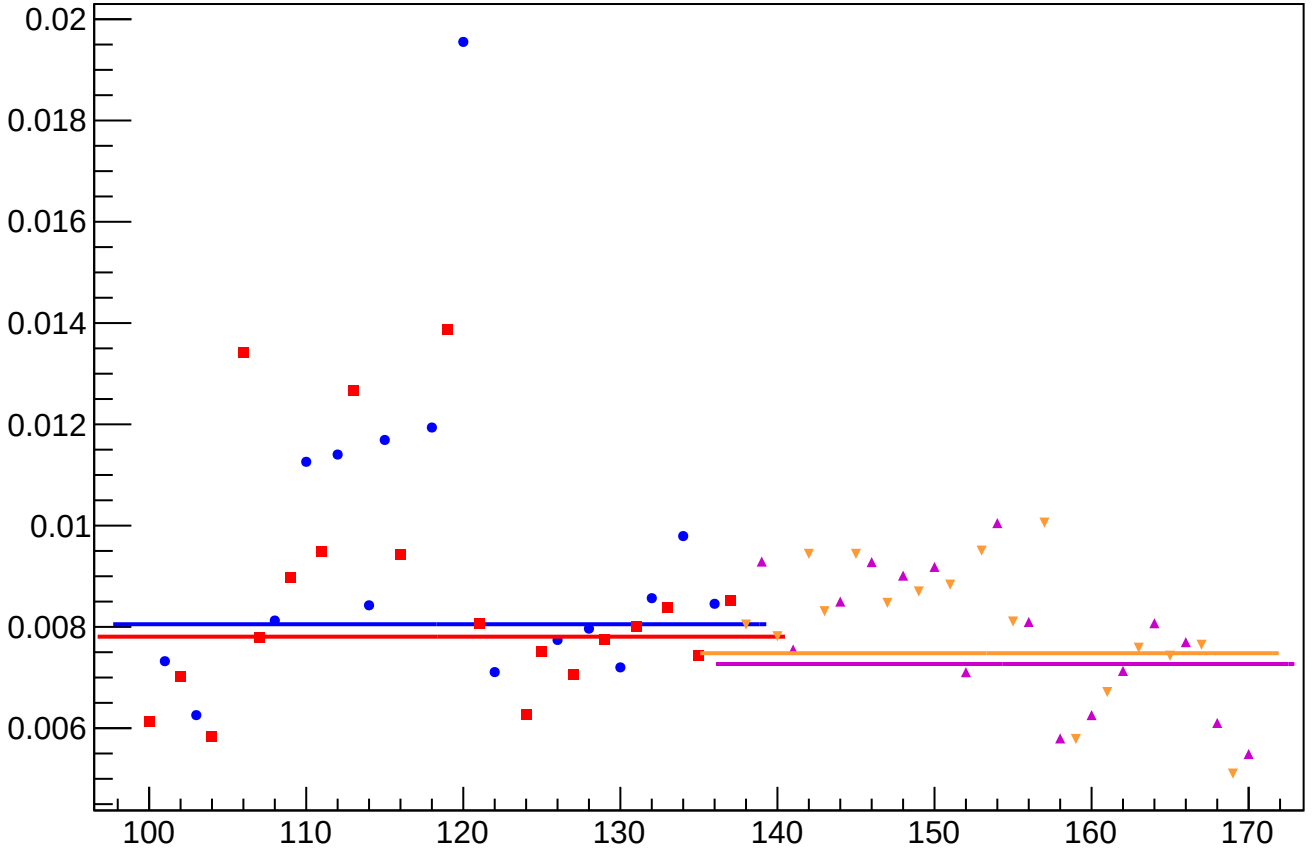
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.013+/-0.000 χ^2/NDF:60393895823.4/31

Out: 0.984+/-0.000 χ^2/NDF:68543083112.7/35

All: 0.998+/-0.000 χ^2/NDF: 129062514830.9

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:875438.2/16

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:829208.9/15

Left: 0.007+/-0.000 χ^2/NDF: 1714298.6/32

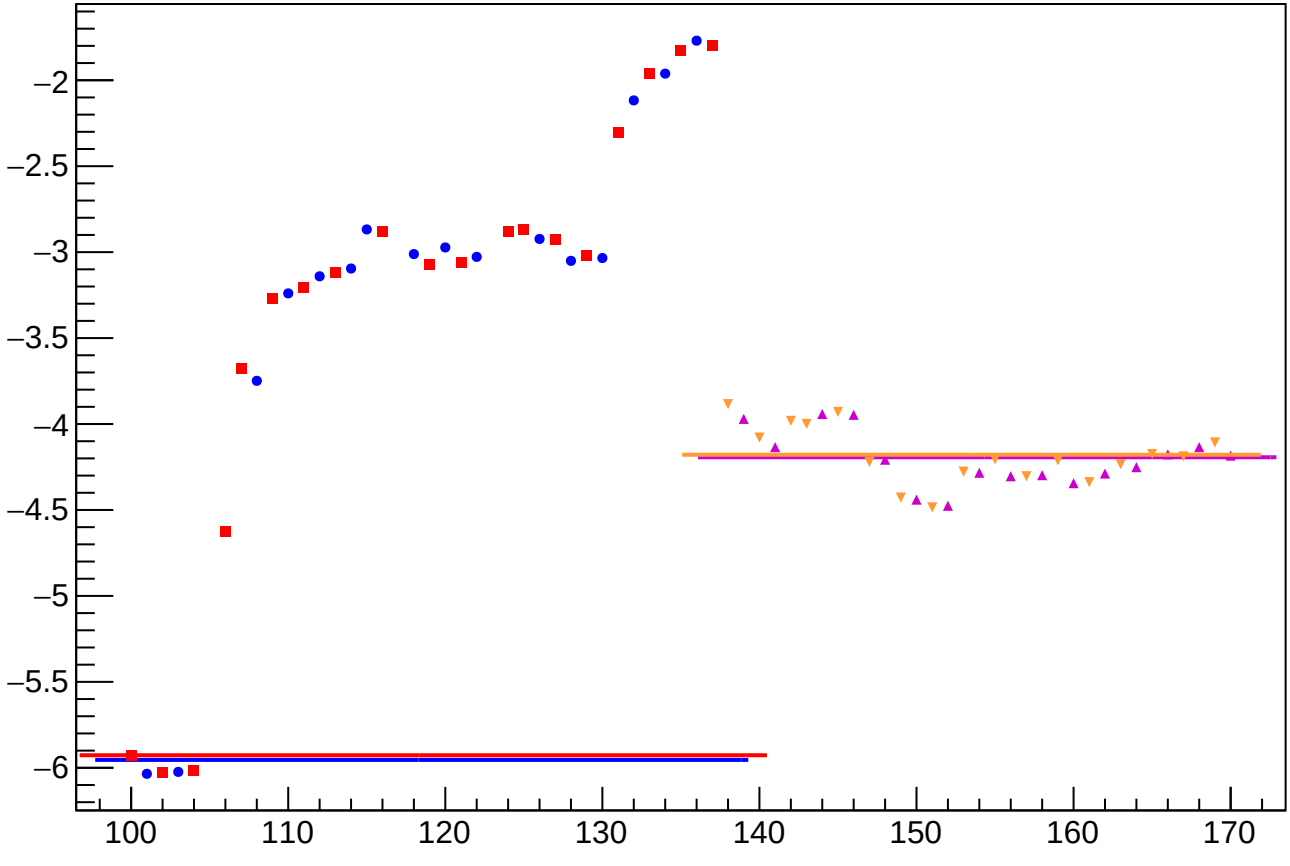
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1508950.7/31

Out: 0.008+/-0.000 χ^2/NDF:1477482.8/35

All: 0.008+/-0.000 χ^2/NDF: 2988778.1/67

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.179+/-0.000 χ^2/NDF:53089869.7/16

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.193+/-0.000 χ^2/NDF:40318222.0/15

Left: -4.186+/-0.000 χ^2/NDF: 93593434.8/32

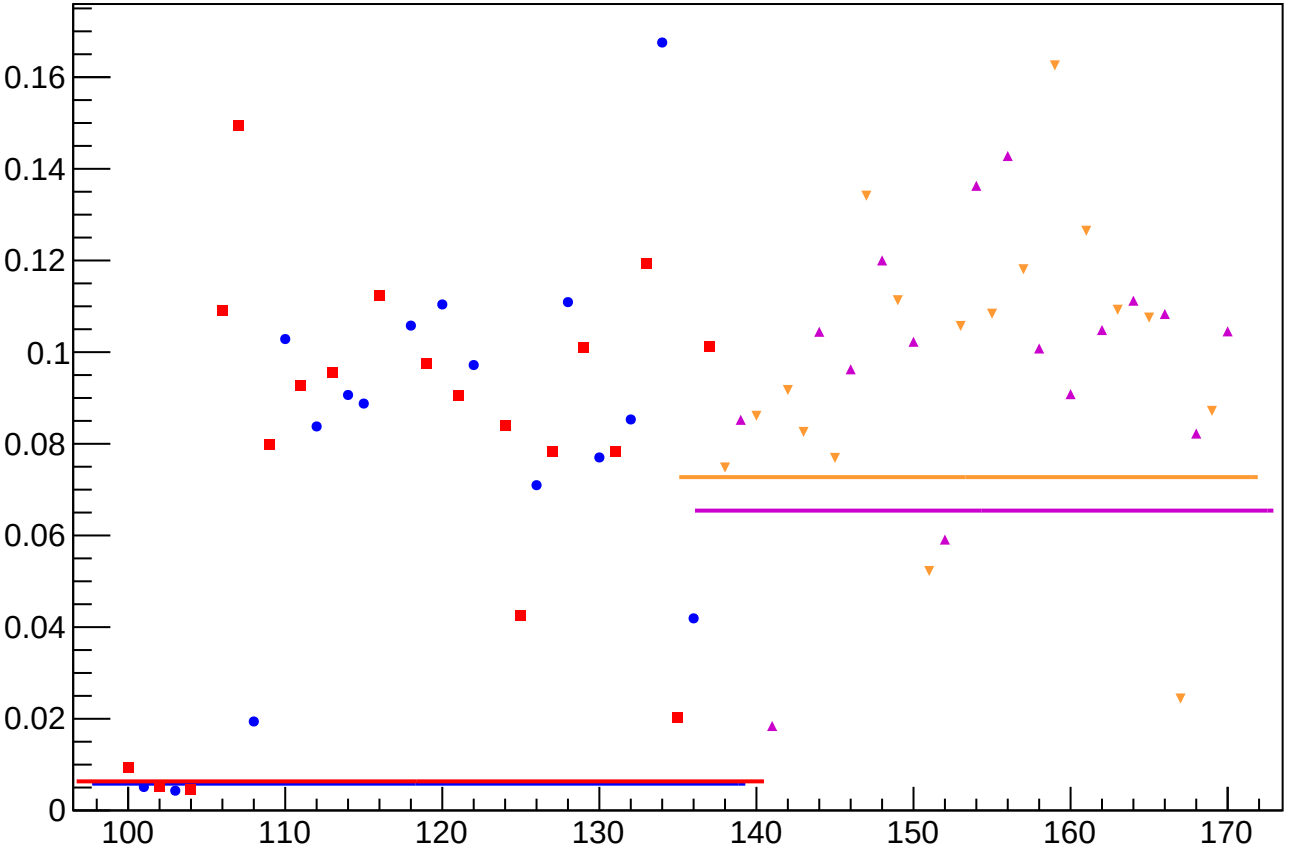
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.896+/-0.000 χ^2/NDF:18439546238.2/31

Out: -5.859+/-0.000 χ^2/NDF:19006634617.5/35

All: -5.879+/-0.000 χ^2/NDF: 37478848085.1/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.073+/-0.000 χ^2/NDF:4252559.5/16

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.065+/-0.000 χ^2/NDF:5873422.5/15

Left: 0.069+/-0.000 χ^2/NDF: 10218923.7/32

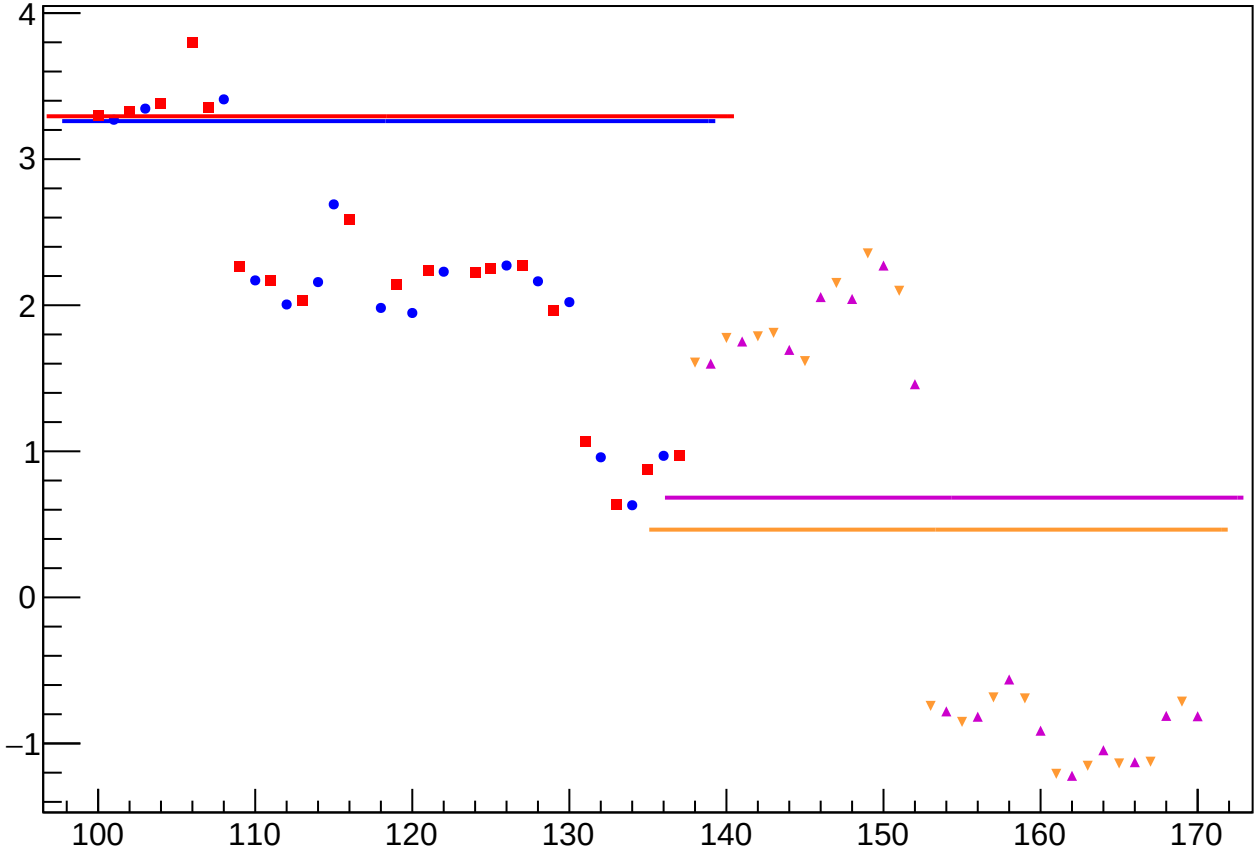
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:26710983.9/31

Out: 0.009+/-0.000 χ^2/NDF:27514966.7/35

All: 0.008+/-0.000 χ^2/NDF: 54285176.8/67

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.464+/-0.000 χ^2/NDF:2943364335.1/16

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.683+/-0.000 χ^2/NDF:2175320557.4/15

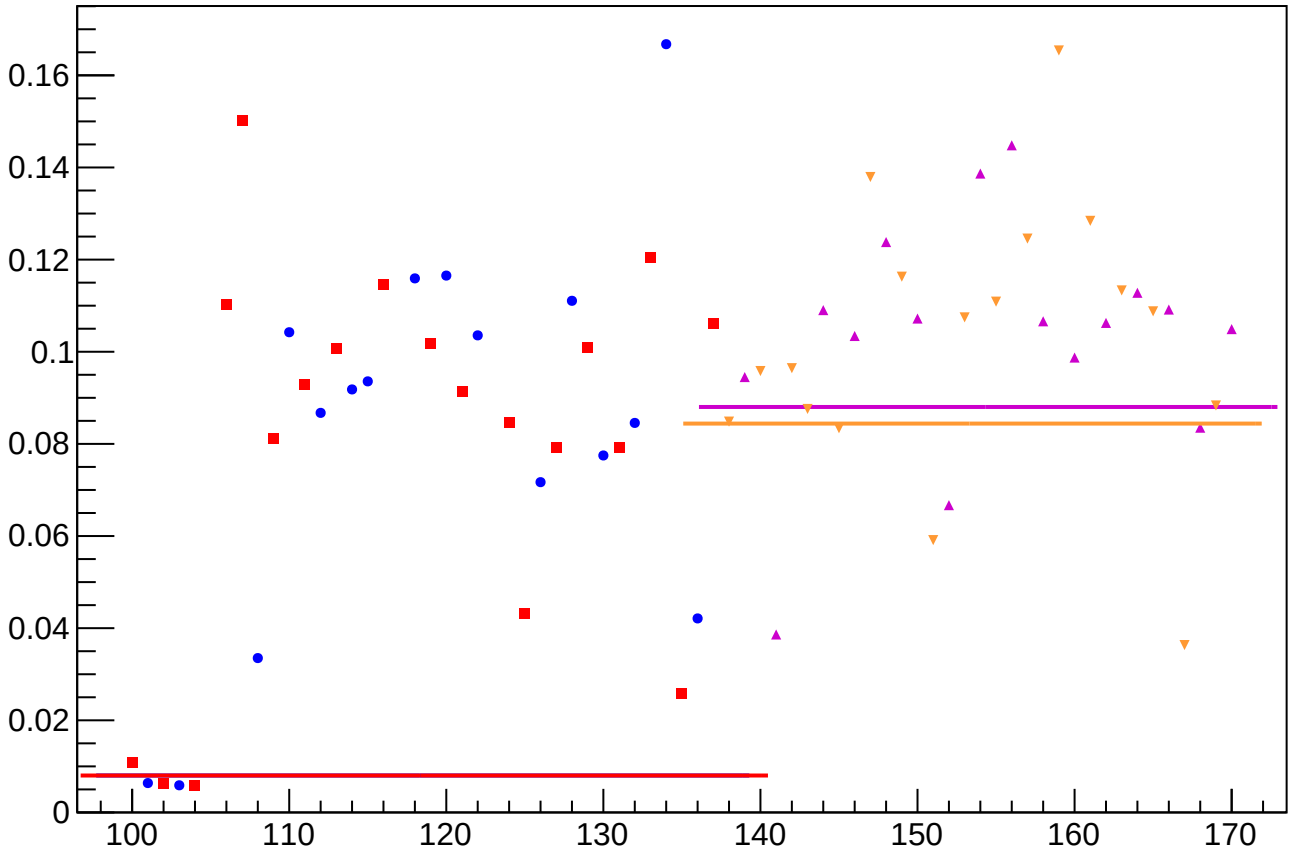
Left: 0.567+/-0.000 χ^2/NDF: 5150270771.5/32

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.161+/-0.000 χ^2/NDF:13119630620.0/31

Out: 3.164+/-0.000 χ^2/NDF:16915305219.2/35

All: 3.163+/-0.000 χ^2/NDF: 30035057285.1/6



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.084+/-0.000 χ^2/NDF:2752035.1/16

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.088+/-0.000 χ^2/NDF:2287498.3/15

Left: 0.086+/-0.000 χ^2/NDF: 5056666.1/32

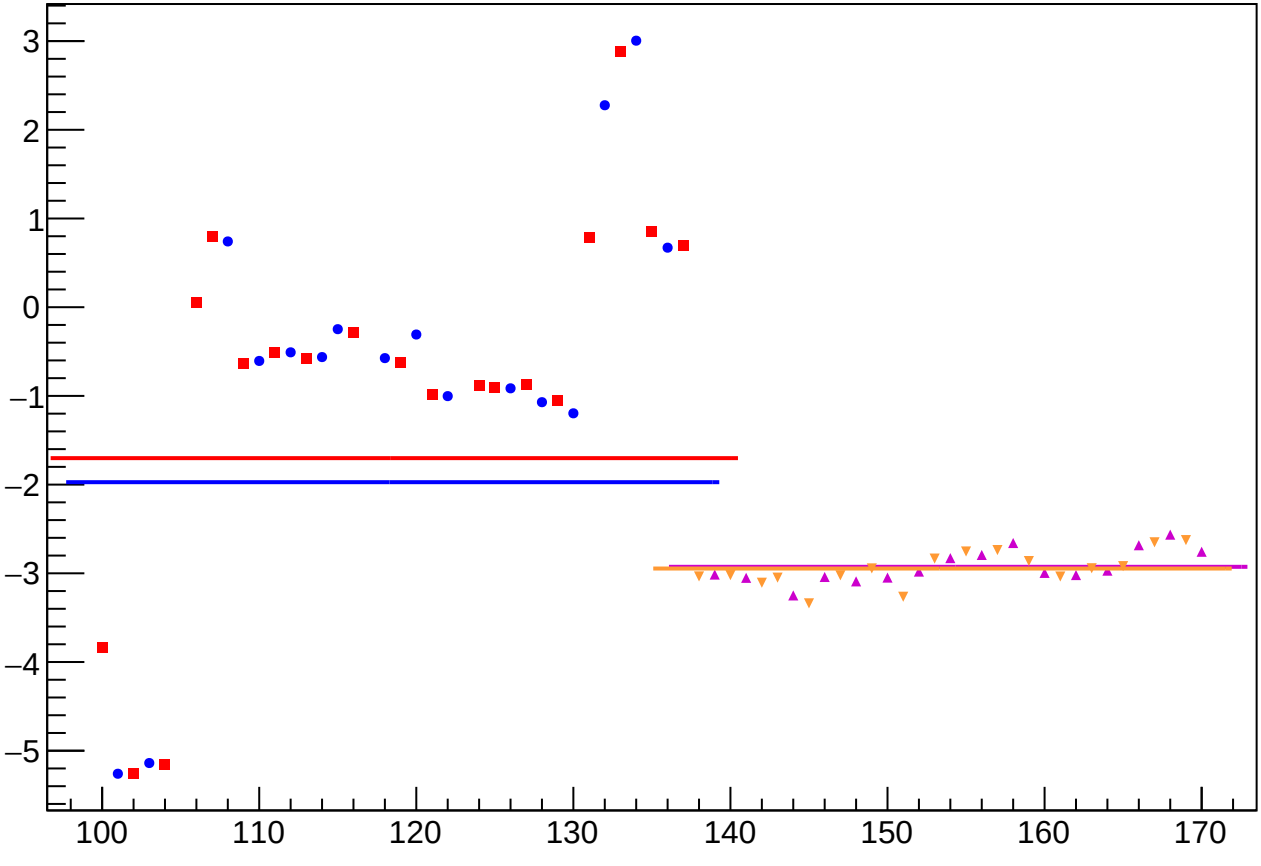
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:25984020.5/31

Out: 0.012+/-0.000 χ^2/NDF:26928649.2/35

All: 0.011+/-0.000 χ^2/NDF: 52918109.0/67

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.946+/-0.000 χ^2/NDF:7359595969.7/16

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.927+/-0.000 χ^2/NDF:6572072517.4/15

Left: -2.937+/-0.000 χ^2/NDF: 13966684599.4/32

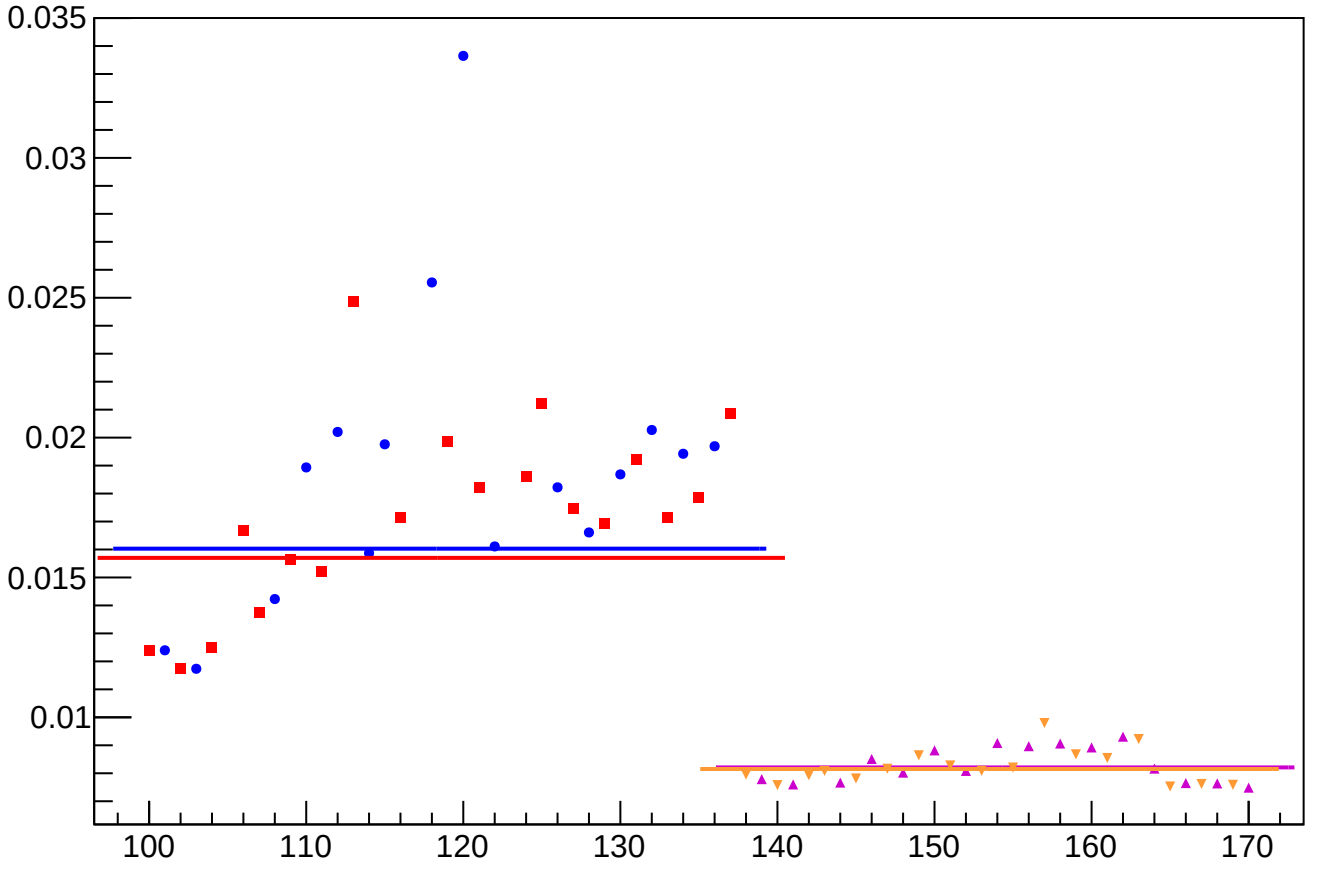
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.823+/-0.000 χ^2/NDF:186923674887.4/31

Out: -2.798+/-0.000 χ^2/NDF:210751914441.5/35

All: -2.810+/-0.000 χ^2/NDF: 397743028821.

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:116996.6/16

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:137775.1/15

Left: 0.008+/-0.000 χ^2/NDF: 255363.5/32

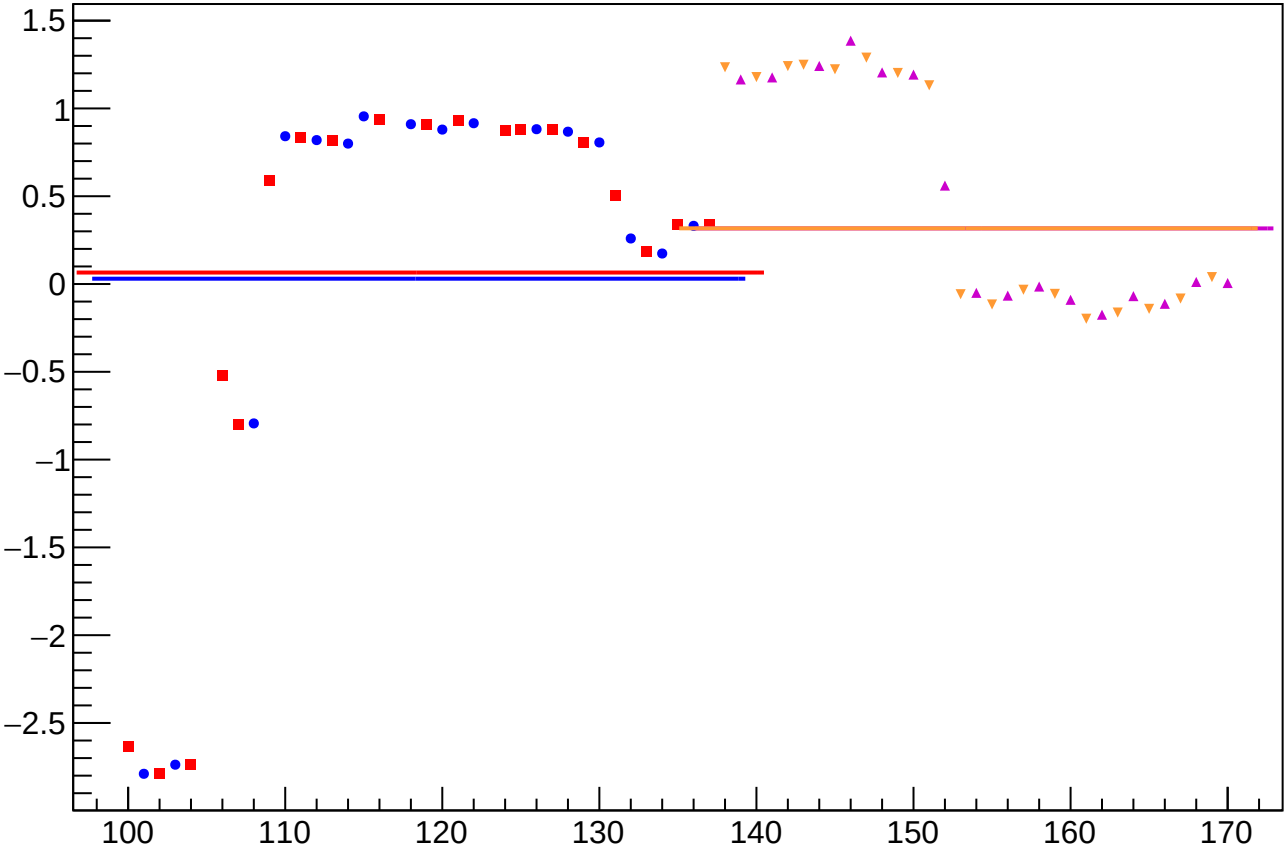
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3342745.6/31

Out: 0.009+/-0.000 χ^2/NDF:3213782.2/35

All: 0.009+/-0.000 χ^2/NDF: 6556540.2/67

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.317+/-0.000 χ^2/NDF:94844755708.7/16

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.317+/-0.000 χ^2/NDF:78654176222.1/15

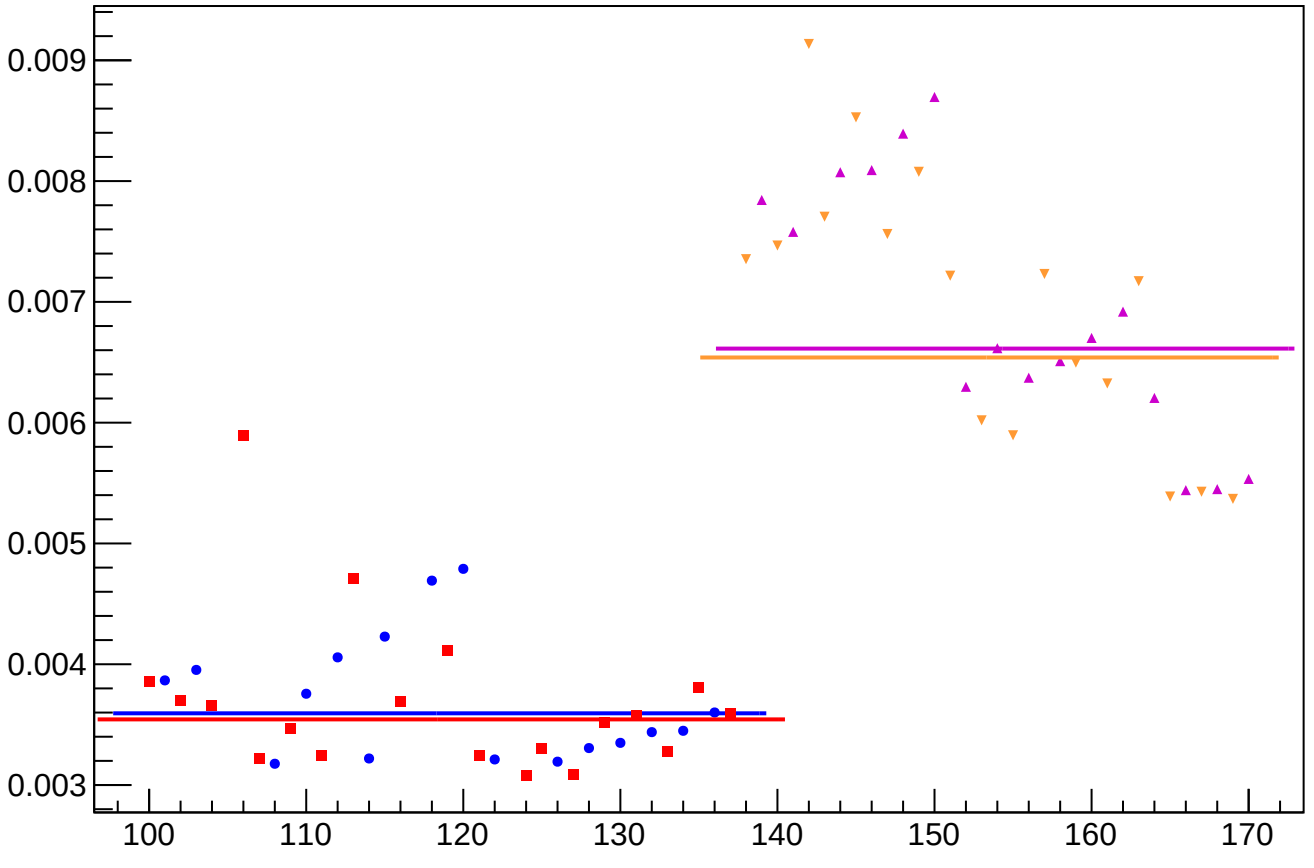
Left: 0.317+/-0.000 χ^2/NDF: 173498970527.5/32

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.124+/-0.000 χ^2/NDF:944322819090.2/31

Out: 0.145+/-0.000 χ^2/NDF:1041601710014.6/35

All: 0.135+/-0.000 χ^2/NDF: 1986105801658.



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:524691.4/16

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:498698.5/15

Left: 0.007+/-0.000 χ^2/NDF: 1024784.9/32

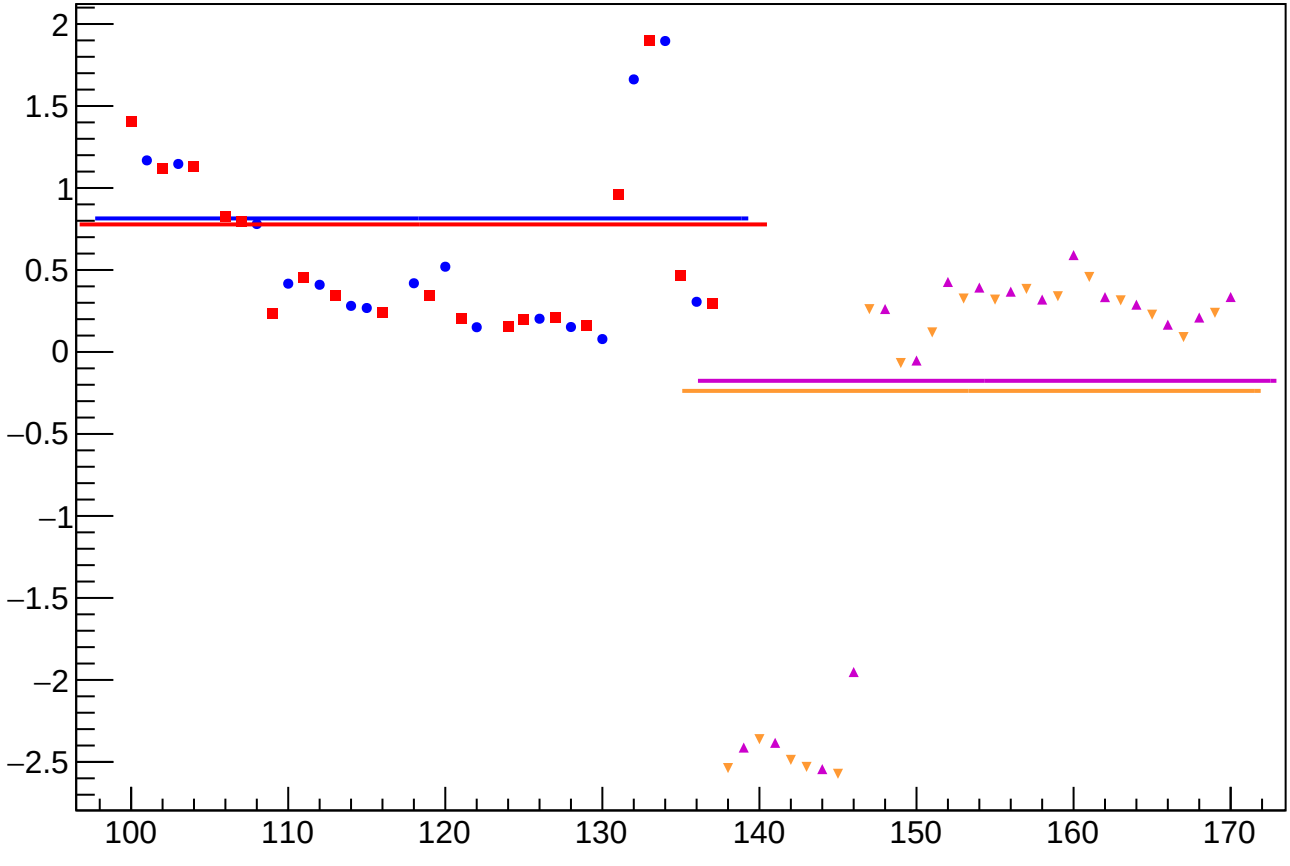
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3790078.6/31

Out: 0.004+/-0.000 χ^2/NDF:3942151.9/35

All: 0.005+/-0.000 χ^2/NDF: 7738261.1/67

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.237+/-0.000 χ^2/NDF:364528923814.7/16

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.176+/-0.000 χ^2/NDF:333090978062.3/15

Left: -0.207+/-0.000 χ^2/NDF: 698223611522.5/32

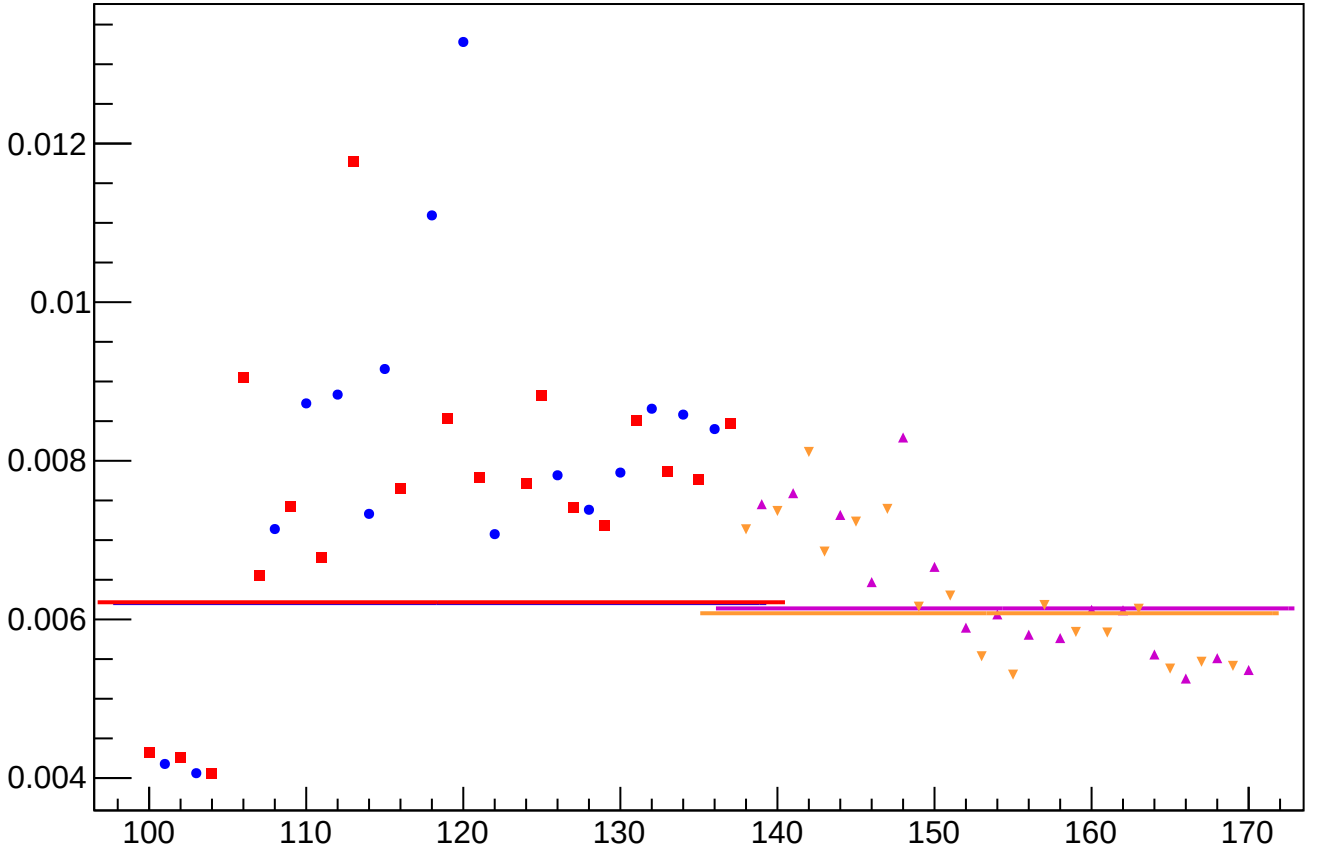
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.135+/-0.000 χ^2/NDF:465629585277.1/31

Out: 0.092+/-0.000 χ^2/NDF:507302385693.9/35

All: 0.113+/-0.000 χ^2/NDF: 973350051314.7

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:334319.2/16

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:370452.8/15

Left: 0.006+/-0.000 χ^2/NDF: 705968.3/32

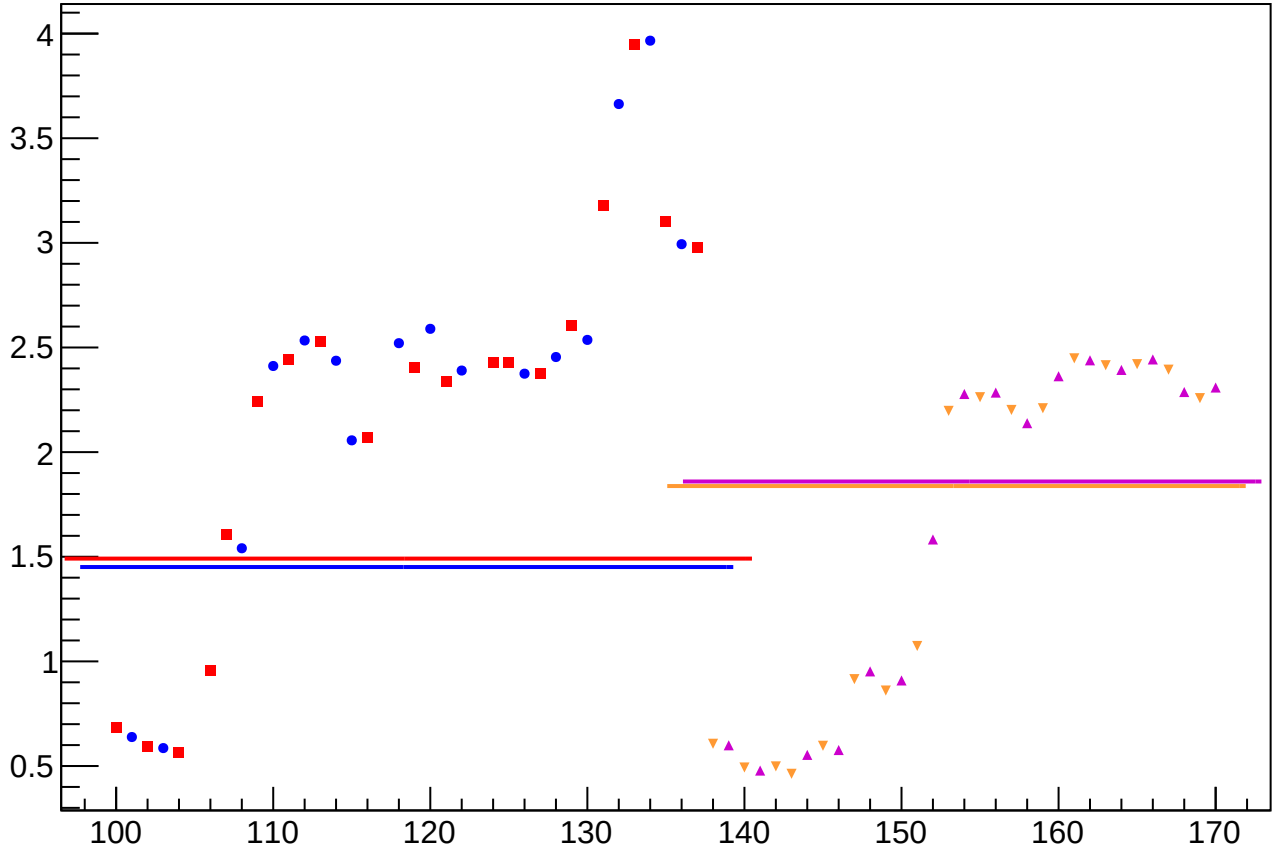
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1795228.1/31

Out: 0.006+/-0.000 χ^2/NDF:1499465.0/35

All: 0.006+/-0.000 χ^2/NDF: 3295342.6/67

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.838+/-0.000 χ^2/NDF:193916602977.7/16

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.860+/-0.000 χ^2/NDF:170049178578.7/15

Left: 1.849+/-0.000 χ^2/NDF: 364045572808.3/32

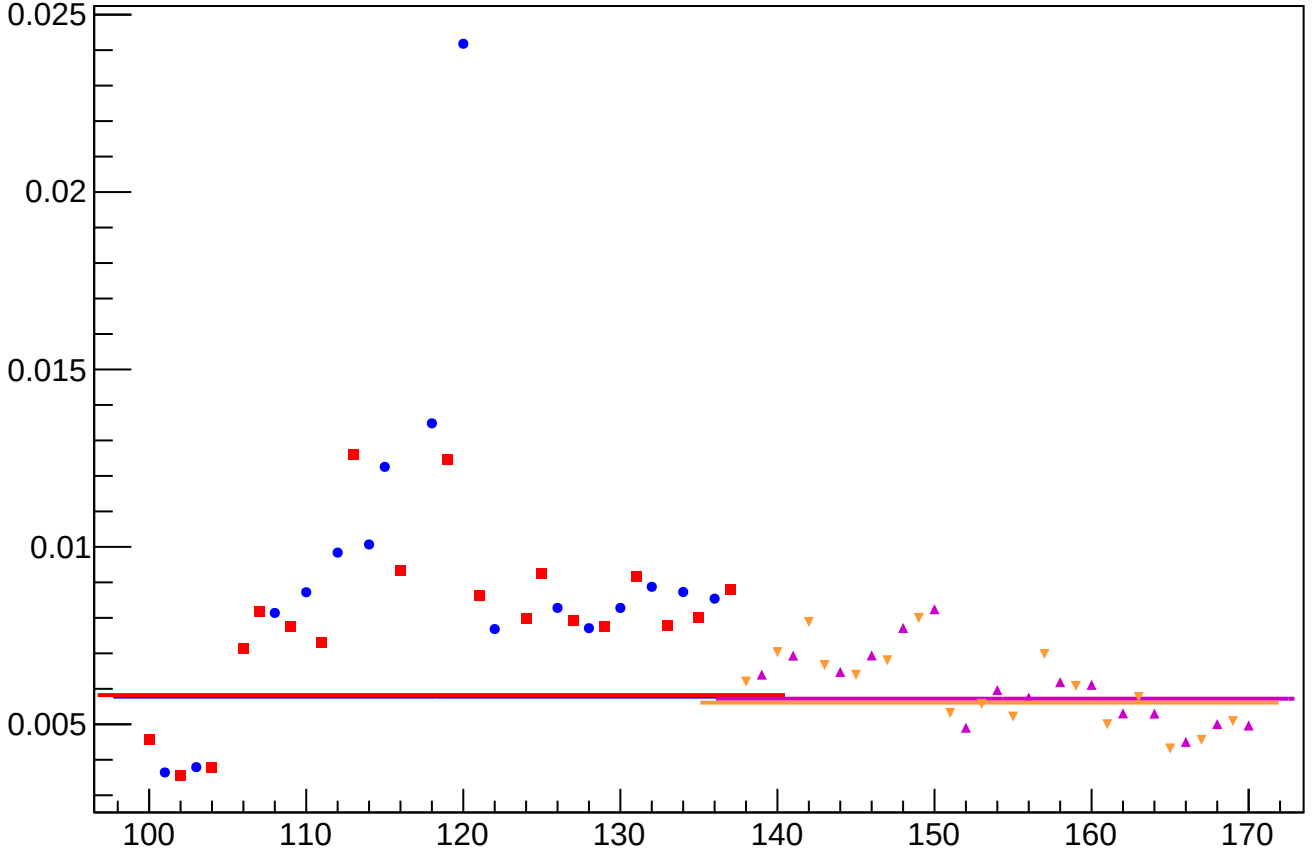
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.732+/-0.000 χ^2/NDF:356890103750.9/31

Out: 1.727+/-0.000 χ^2/NDF:394074016769.2/35

All: 1.729+/-0.000 χ^2/NDF: 750969408806.8

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:610305.7/16

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:552535.0/15

Left: 0.006+/-0.000 χ^2/NDF: 1166860.6/32

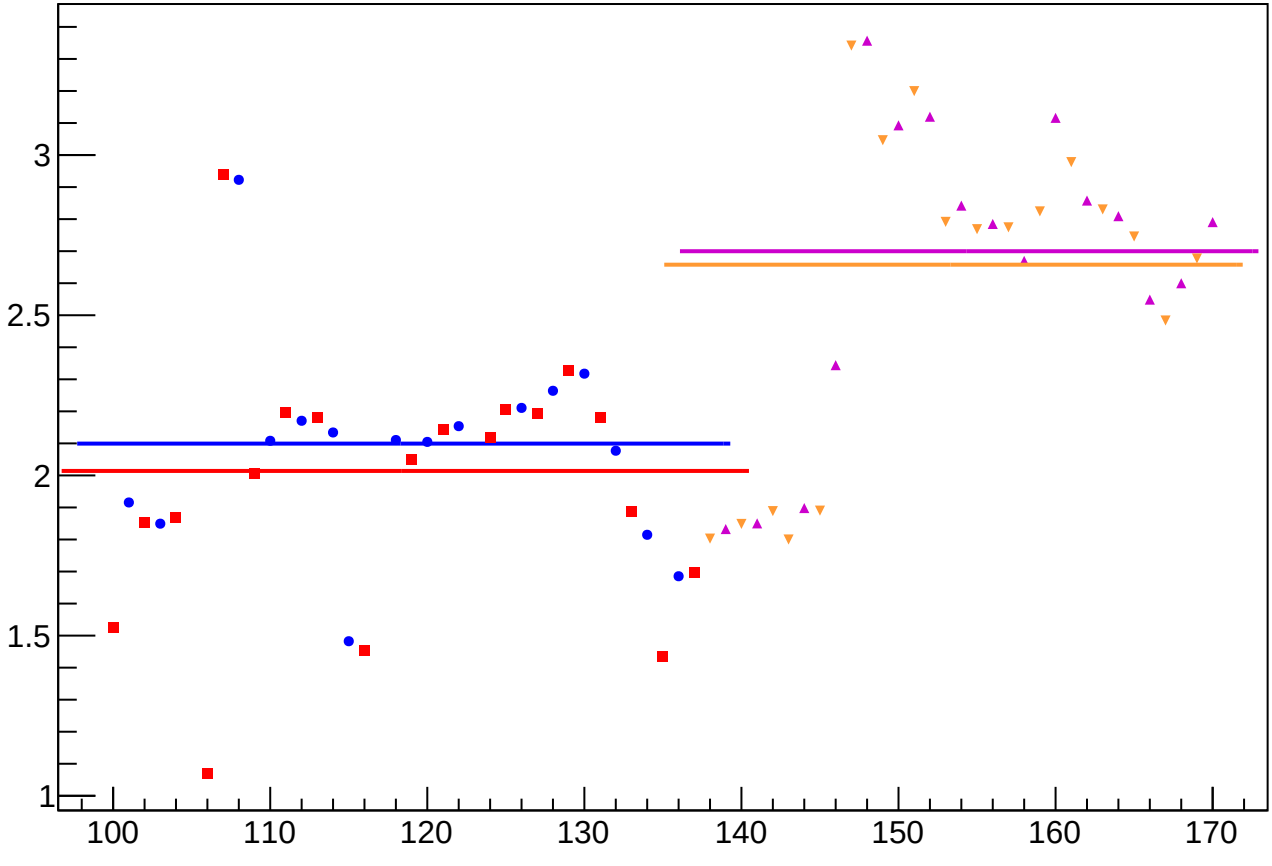
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2767142.0/31

Out: 0.006+/-0.000 χ^2/NDF:2575911.9/35

All: 0.006+/-0.000 χ^2/NDF: 5344836.5/67

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.658+/-0.000 χ^2/NDF:43400838750.9/16

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.700+/-0.000 χ^2/NDF:36760675635.7/15

Left: 2.679+/-0.000 χ^2/NDF: 80343330202.1/32

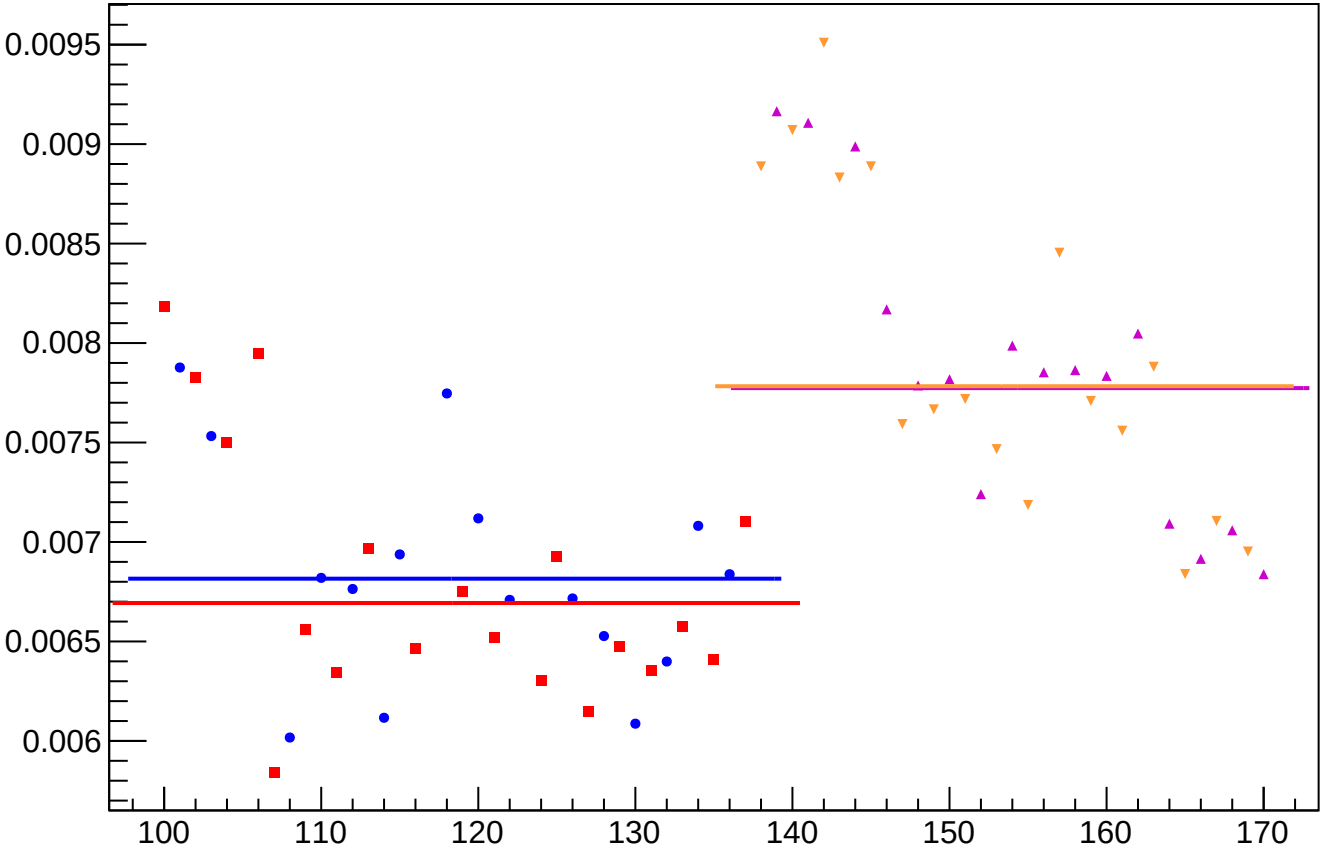
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.450+/-0.000 χ^2/NDF:81600098904.4/31

Out: 2.377+/-0.000 χ^2/NDF:100281692474.5/35

All: 2.413+/-0.000 χ^2/NDF: 182823990084.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:208697.9/16

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:194225.8/15

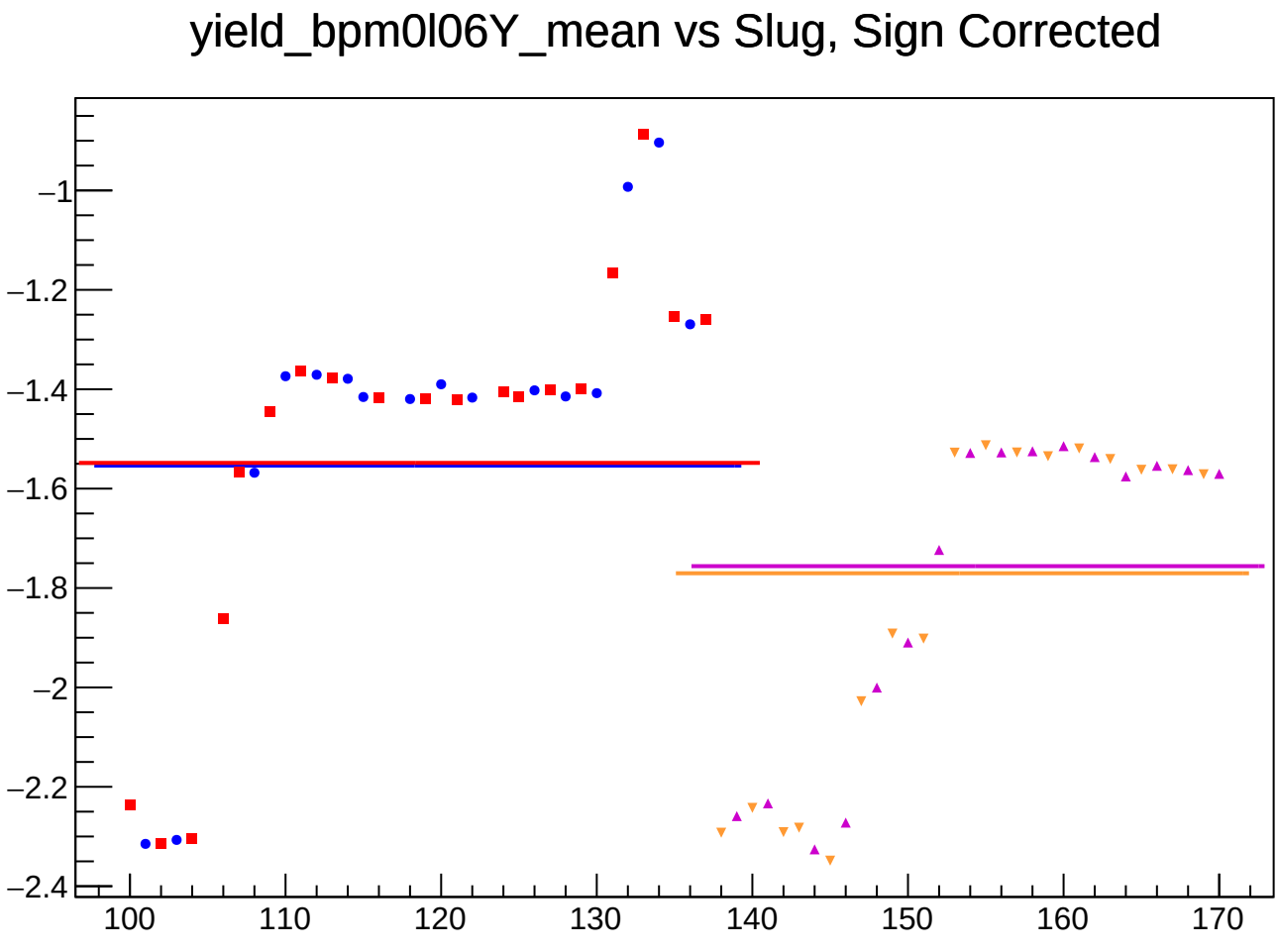
Left: 0.008+/-0.000 χ^2/NDF: 402941.8/32

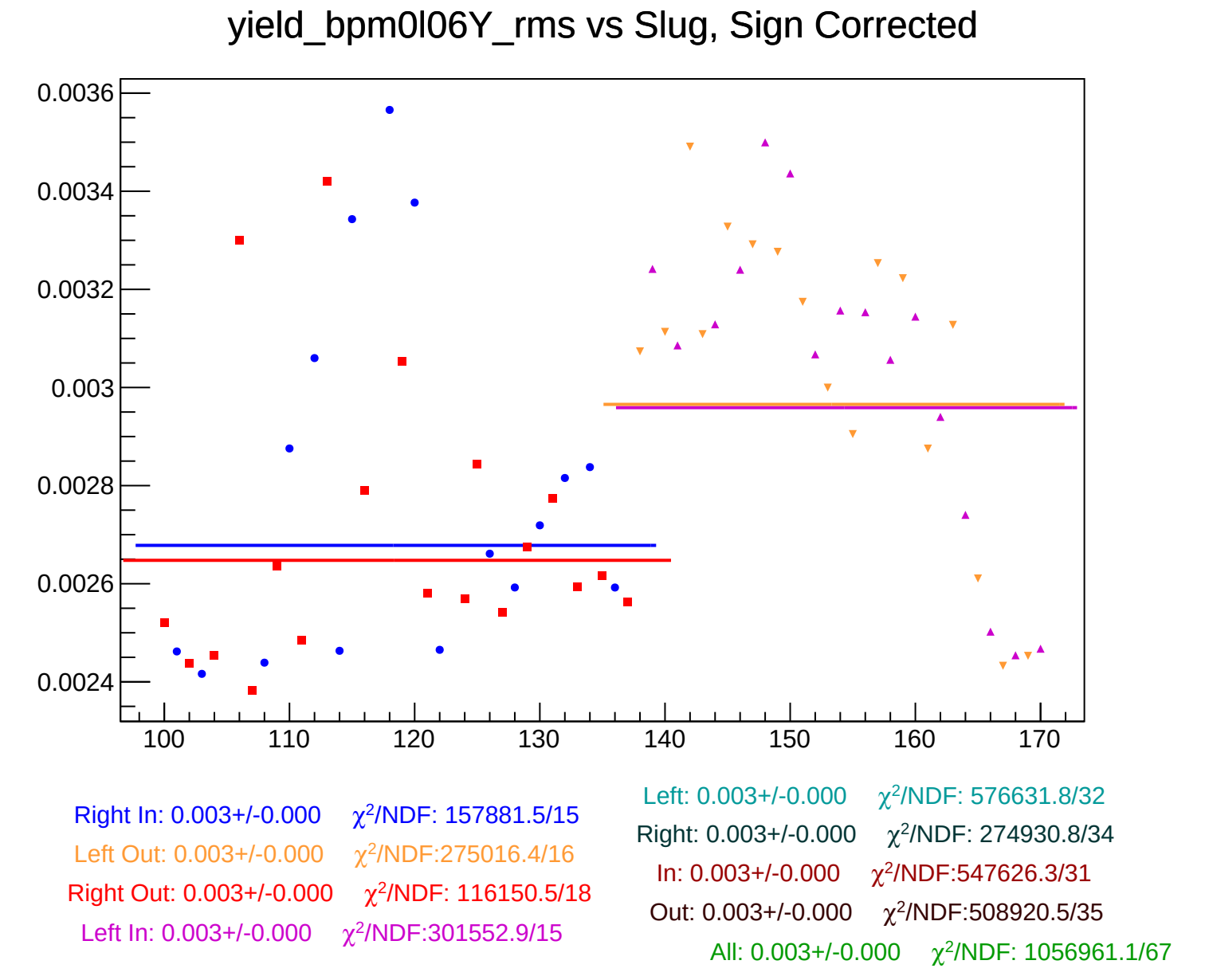
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:438332.6/31

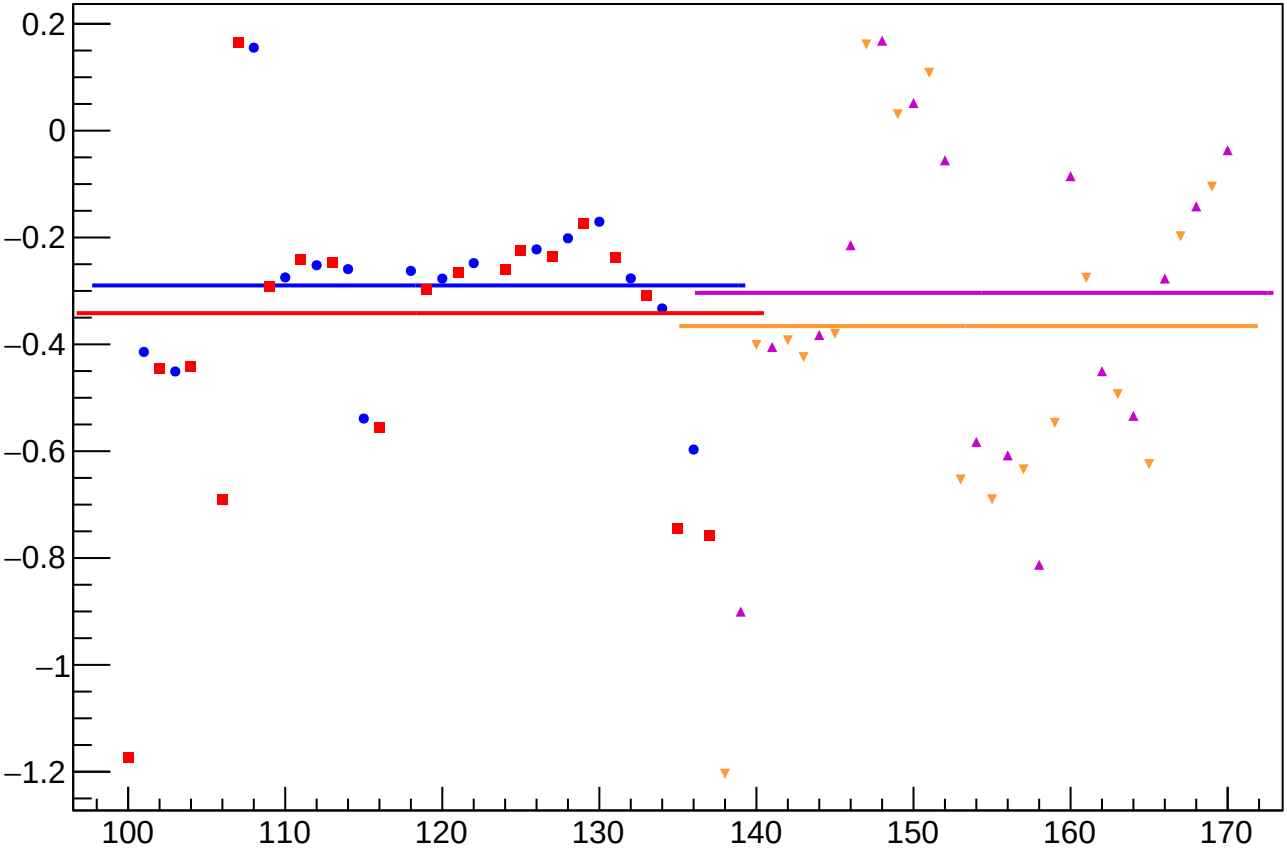
Out: 0.007+/-0.000 χ^2/NDF:510080.2/35

All: 0.007+/-0.000 χ^2/NDF: 949999.2/67


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.770+/-0.000 χ²/NDF:137126024259.9/16
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.756+/-0.000 χ²/NDF:126400665831.3/15
Left: -1.763+/-0.000 χ²/NDF: 263669012446.7/32
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.675+/-0.000 χ²/NDF:324493059933.8/31
Out: -1.677+/-0.000 χ²/NDF:340606632018.1/35
All: -1.676+/-0.000 χ²/NDF: 665109458808.4


yield_bpm0l06Y_rms vs Slug, Sign Corrected
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:275016.4/16
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:301552.9/15
Left: 0.003+/-0.000 χ²/NDF: 576631.8/32
Right: 0.003+/-0.000 χ²/NDF: 274930.8/34
In: 0.003+/-0.000 χ²/NDF:547626.3/31
Out: 0.003+/-0.000 χ²/NDF:508920.5/35
All: 0.003+/-0.000 χ²/NDF: 1056961.1/67

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.366+/-0.000 χ^2/NDF:7887764507.5/16

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.304+/-0.000 χ^2/NDF:6546066955.0/15

Left: -0.335+/-0.000 χ^2/NDF: 14576192203.3/32

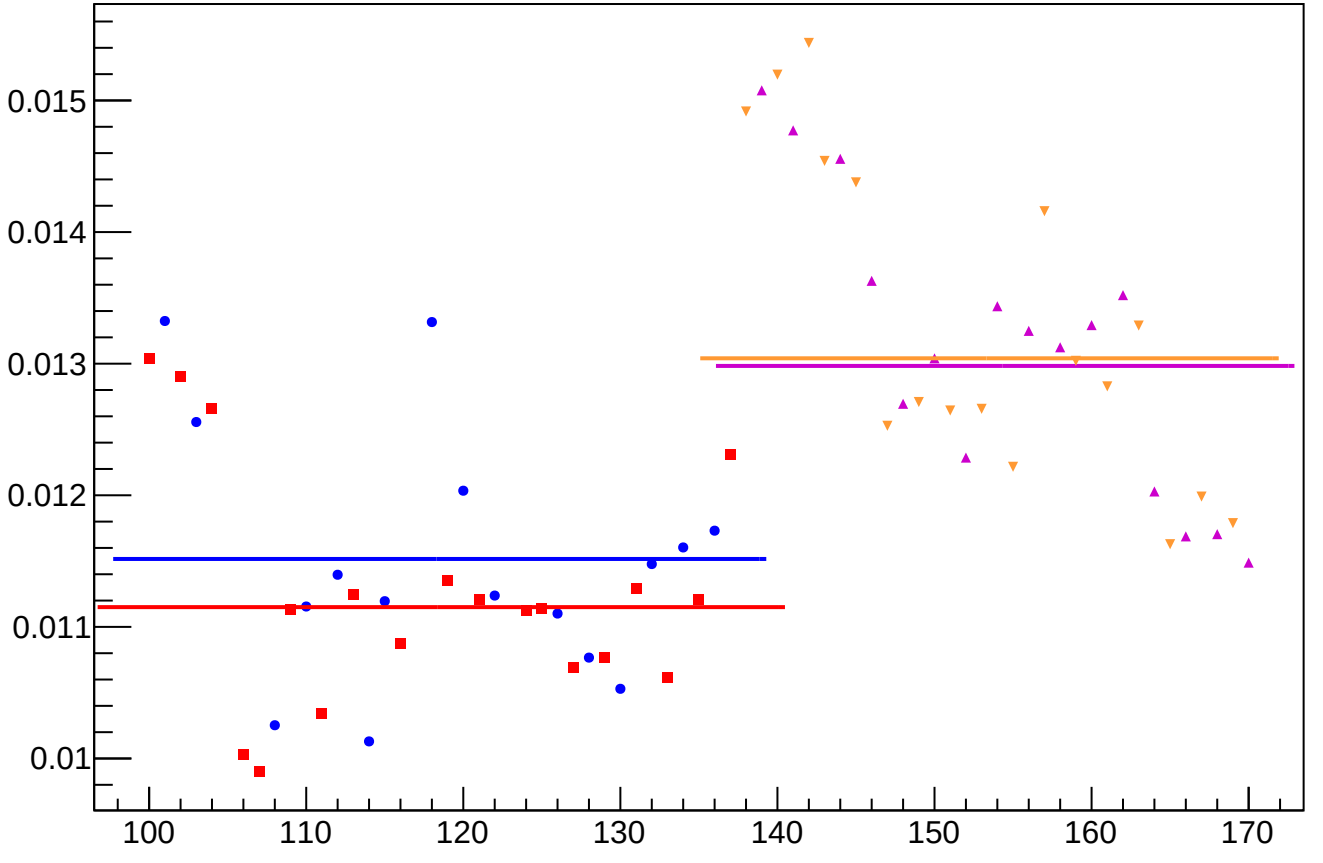
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.298+/-0.000 χ^2/NDF:8197168958.3/31

Out: -0.355+/-0.000 χ^2/NDF:10516116760.8/35

All: -0.327+/-0.000 χ^2/NDF: 18924313874.1/

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:172642.5/16

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:157955.6/15

Left: 0.013+/-0.000 χ^2/NDF: 330845.2/32

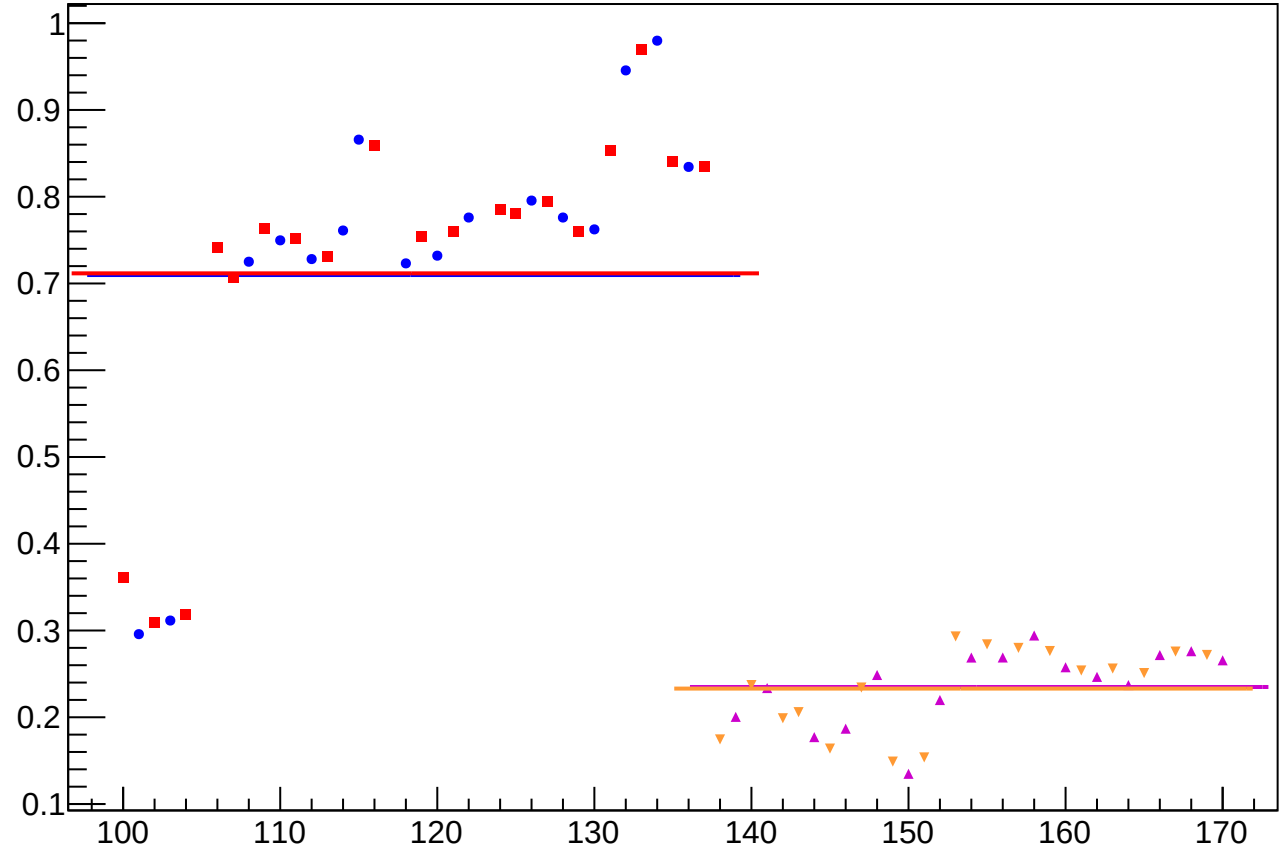
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:373567.5/31

Out: 0.012+/-0.000 χ^2/NDF:476278.8/35

All: 0.012+/-0.000 χ^2/NDF: 853503.8/67

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.233+/-0.000 χ^2/NDF:6445000519.2/16

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.235+/-0.000 χ^2/NDF:5211398684.4/15

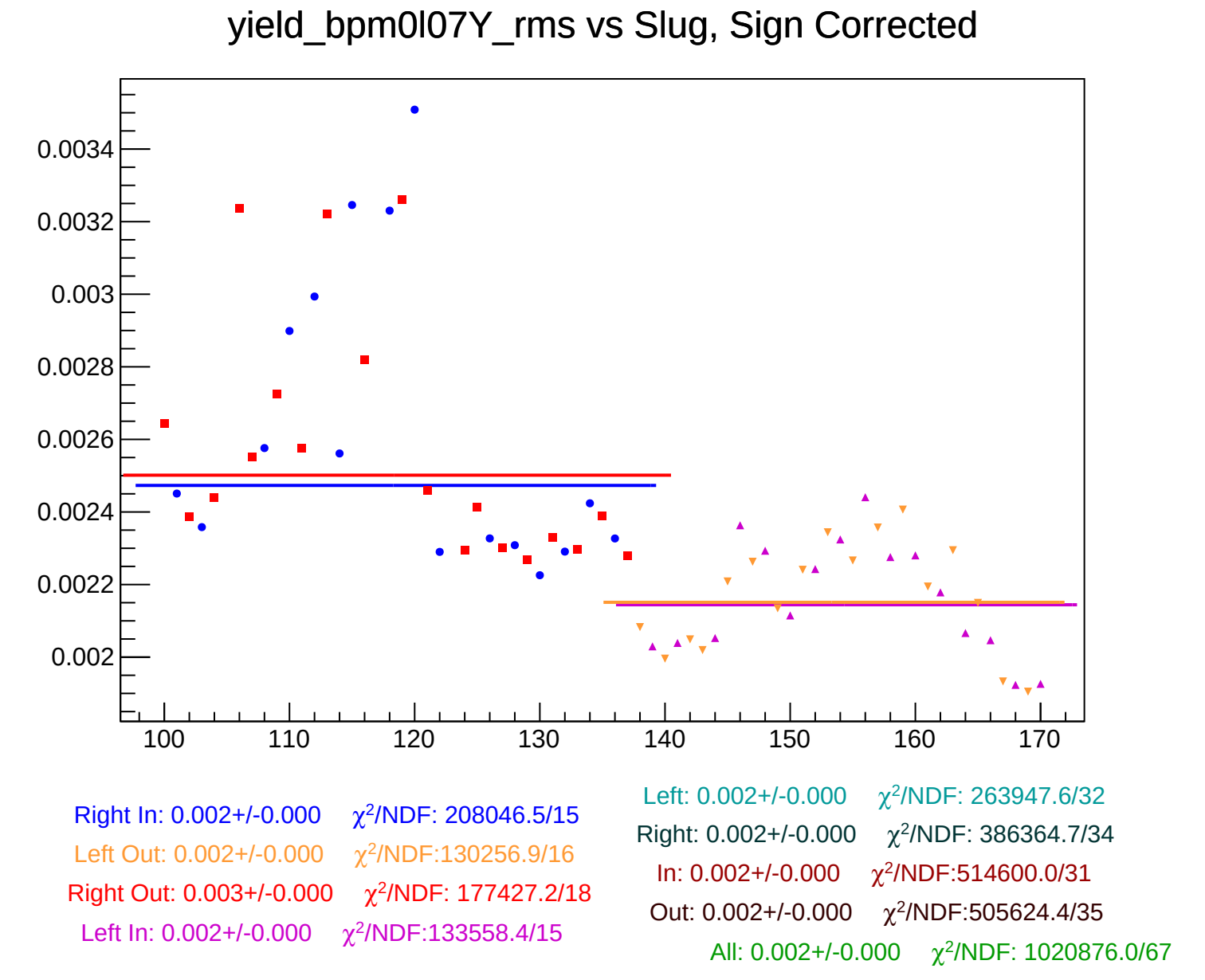
Left: 0.234+/-0.000 χ^2/NDF: 11661162640.3/32

Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

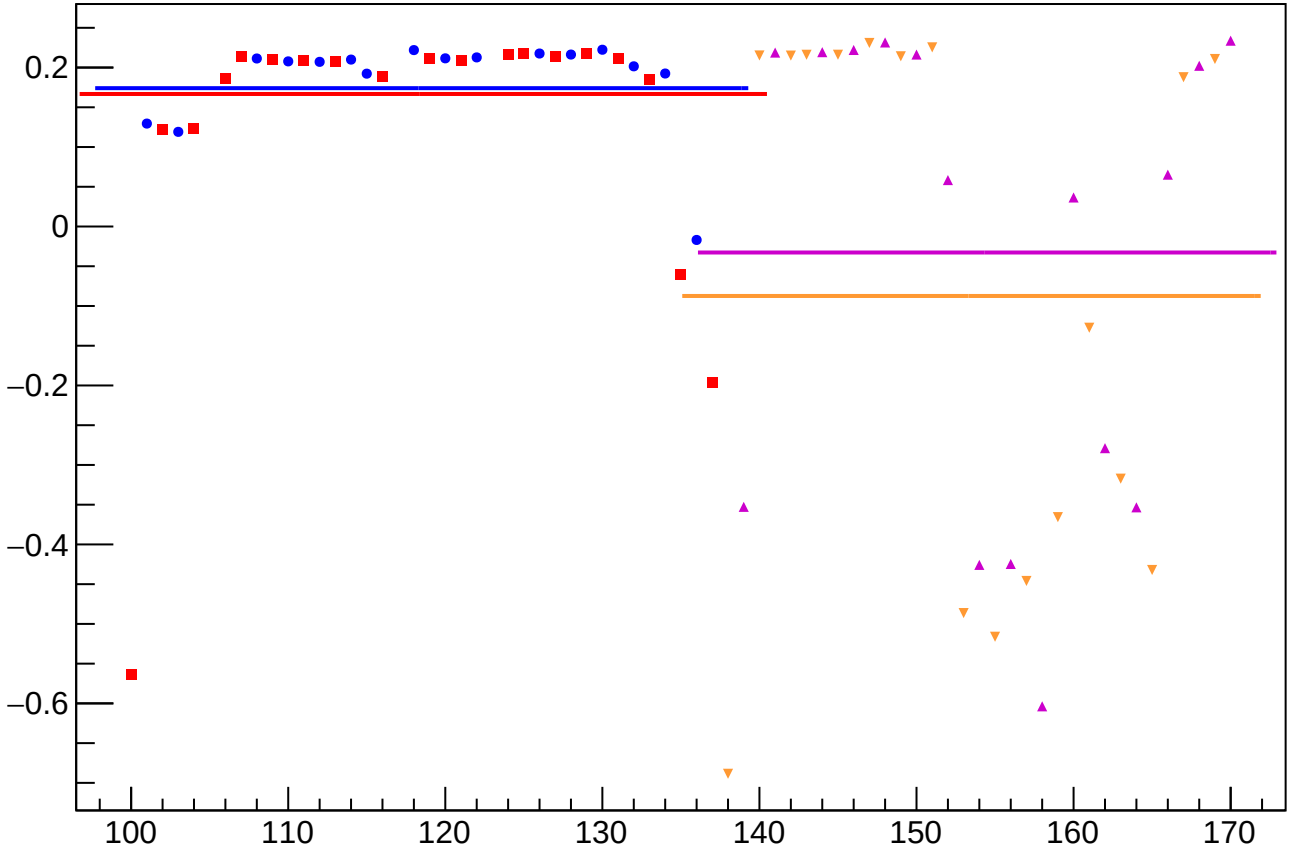
In: 0.369+/-0.000 χ^2/NDF:234484256569.5/31

Out: 0.368+/-0.000 χ^2/NDF:235438607955.2/35

All: 0.369+/-0.000 χ^2/NDF: 469924207030.4


yield_bpm0l07Y_rms vs Slug, Sign Corrected
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:130256.9/16
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:133558.4/15
Left: 0.002+/-0.000 χ²/NDF: 263947.6/32
Right: 0.002+/-0.000 χ²/NDF: 386364.7/34
In: 0.002+/-0.000 χ²/NDF:514600.0/31
Out: 0.002+/-0.000 χ²/NDF:505624.4/35
All: 0.002+/-0.000 χ²/NDF: 1020876.0/67

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.087+/-0.000 χ^2/NDF:9792446367.1/16

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.033+/-0.000 χ^2/NDF:7714884855.0/15

Left: -0.060+/-0.000 χ^2/NDF: 17642045729.2/32

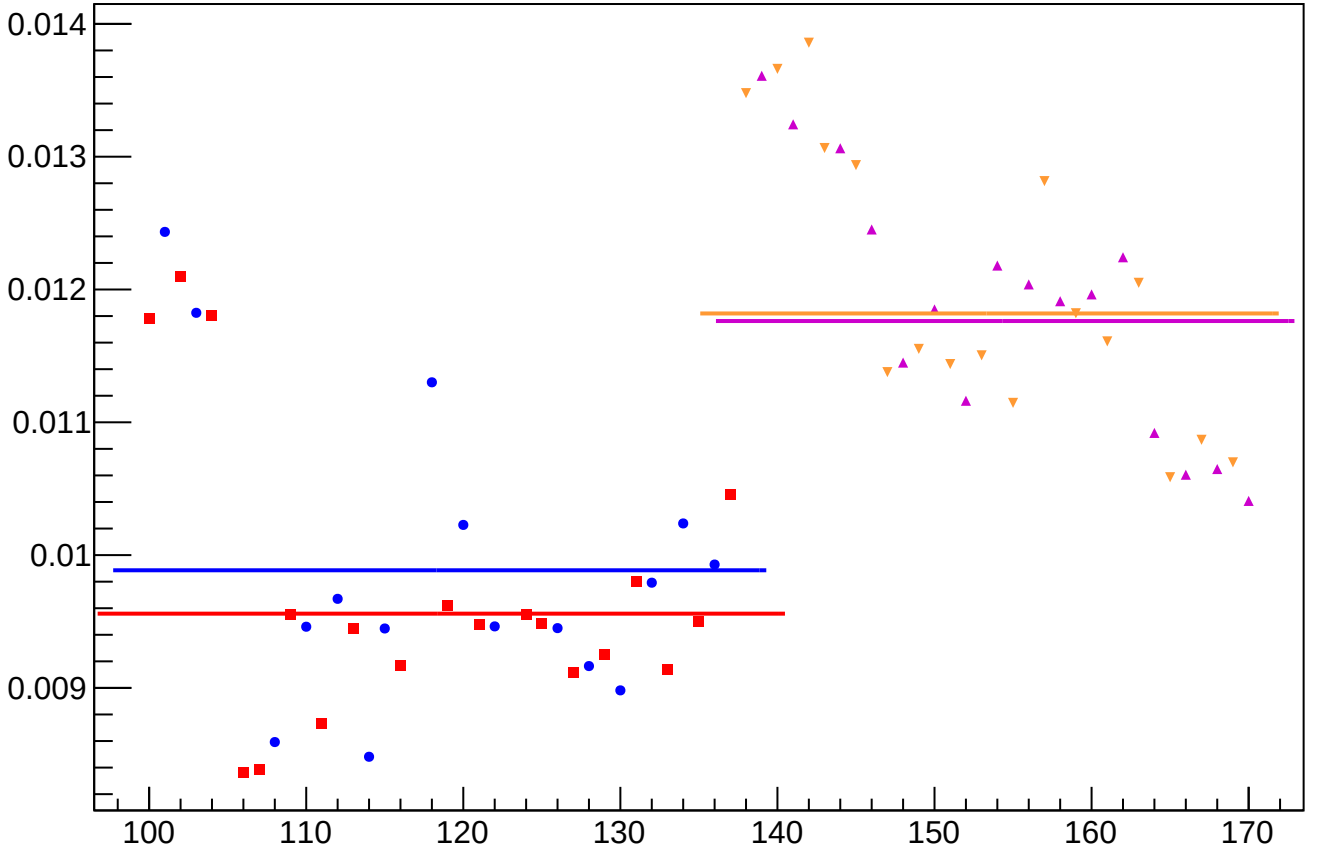
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.058+/-0.000 χ^2/NDF:9802082938.7/31

Out: 0.031+/-0.000 χ^2/NDF:13403805629.9/35

All: 0.044+/-0.000 χ^2/NDF: 23265260028.5/6

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:158947.5/16

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:148946.6/15

Left: 0.012+/-0.000 χ^2/NDF: 308186.2/32

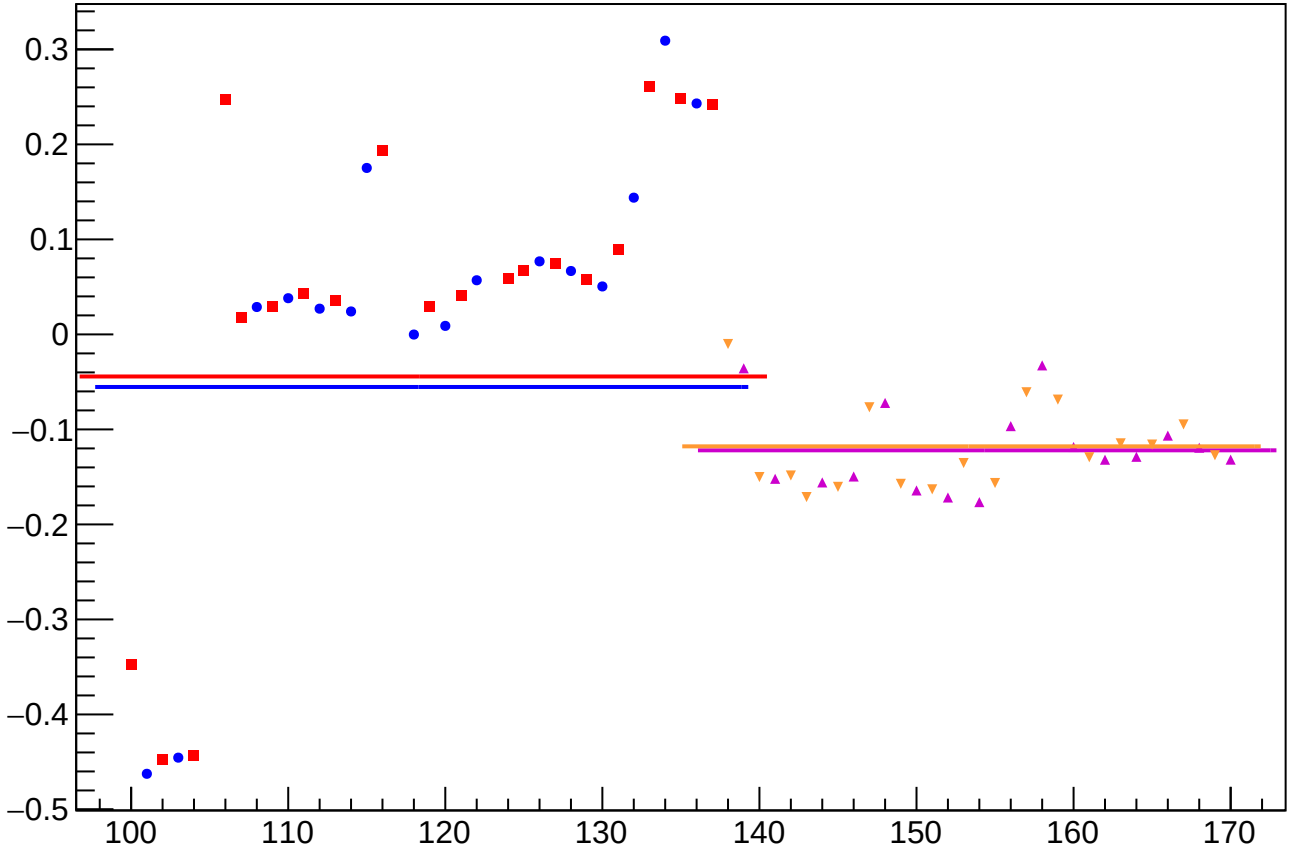
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:575234.0/31

Out: 0.011+/-0.000 χ^2/NDF:725093.0/35

All: 0.011+/-0.000 χ^2/NDF: 1305301.3/67

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.118+/-0.000 χ^2/NDF:2810642440.1/16

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.122+/-0.000 χ^2/NDF:2773256610.7/15

Left: -0.120+/-0.000 χ^2/NDF: 5597791317.3/32

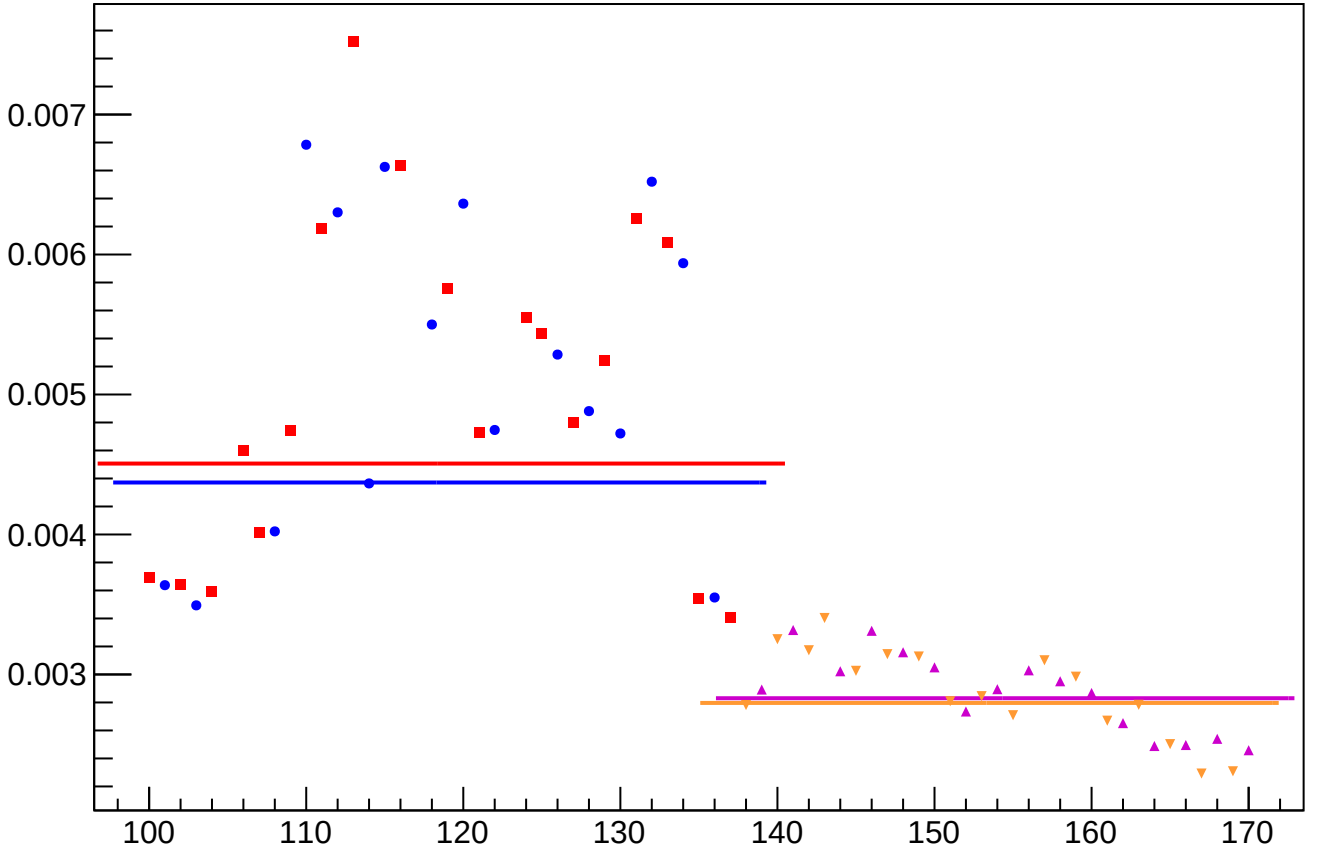
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.111+/-0.000 χ^2/NDF:28032879645.0/31

Out: -0.106+/-0.000 χ^2/NDF:26371212047.2/35

All: -0.108+/-0.000 χ^2/NDF: 54426110608.4/

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:326442.7/16

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:221456.2/15

Left: 0.003+/-0.000 χ^2/NDF: 549691.9/32

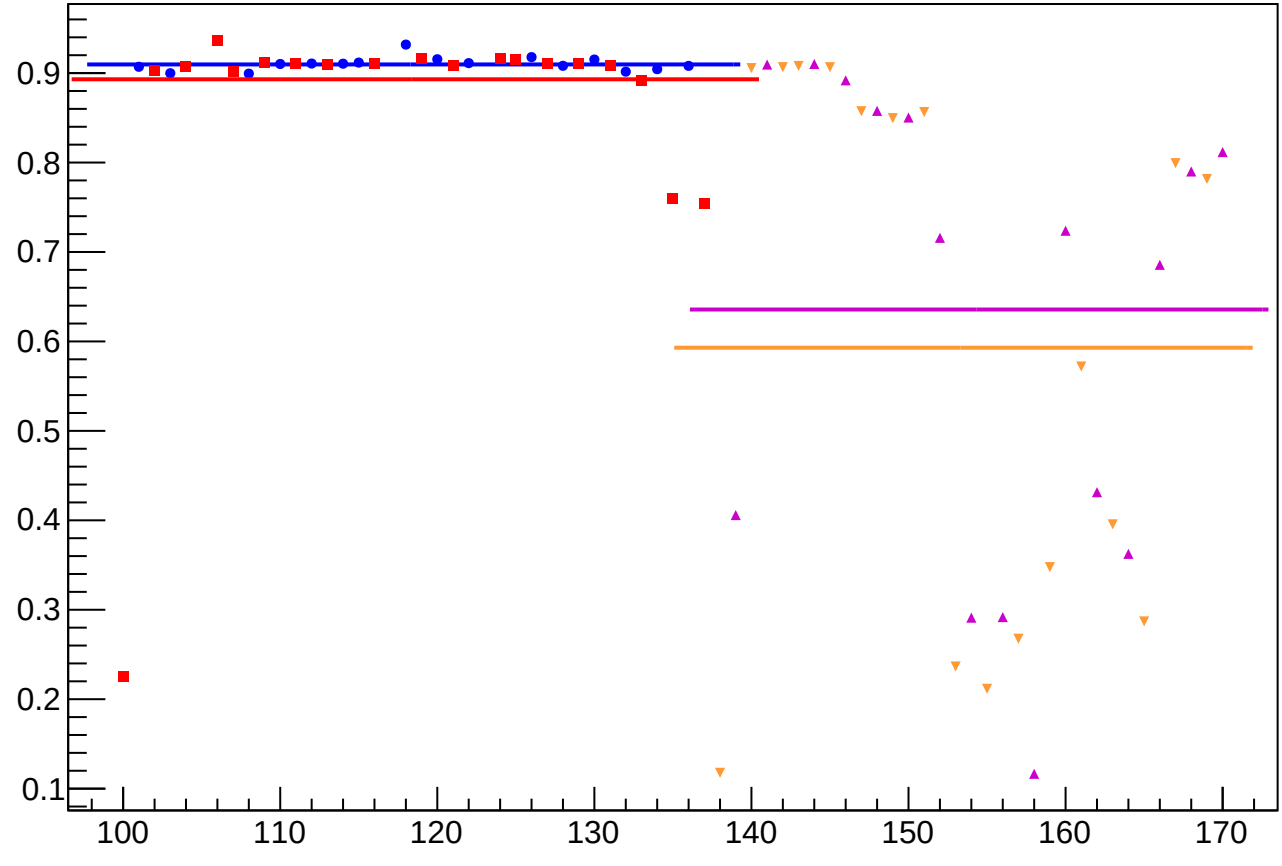
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2140400.3/31

Out: 0.003+/-0.000 χ^2/NDF:2571586.3/35

All: 0.003+/-0.000 χ^2/NDF: 4712569.1/67

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.593+/-0.000 χ^2/NDF:7847591913.7/16

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.636+/-0.000 χ^2/NDF:6241448033.2/15

Left: 0.614+/-0.000 χ^2/NDF: 14175883824.5/32

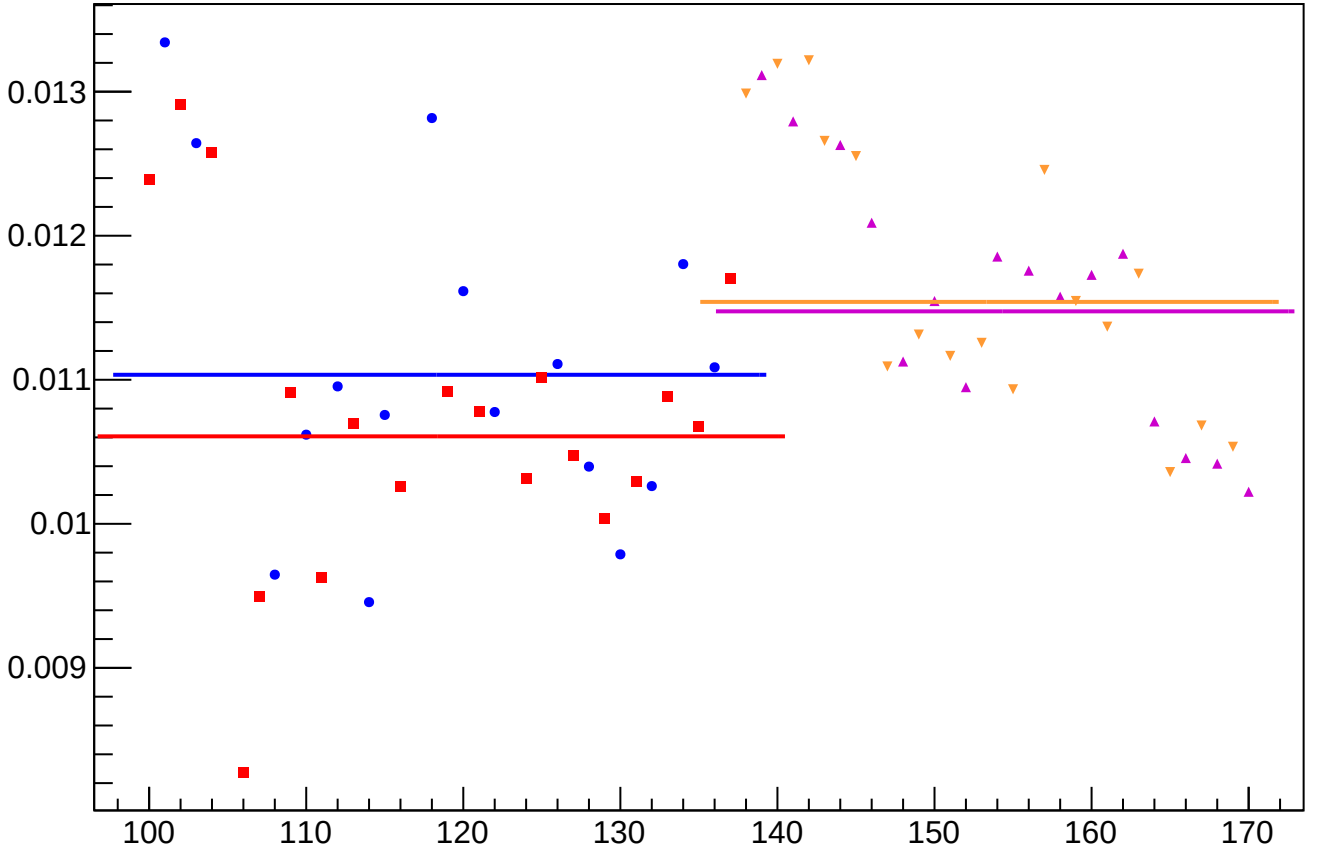
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.738+/-0.000 χ^2/NDF:8902981731.4/31

Out: 0.714+/-0.000 χ^2/NDF:11625618519.8/35

All: 0.725+/-0.000 χ^2/NDF: 20573710891.8/6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:136720.2/16

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:129744.8/15

Left: 0.012+/-0.000 χ^2/NDF: 266876.3/32

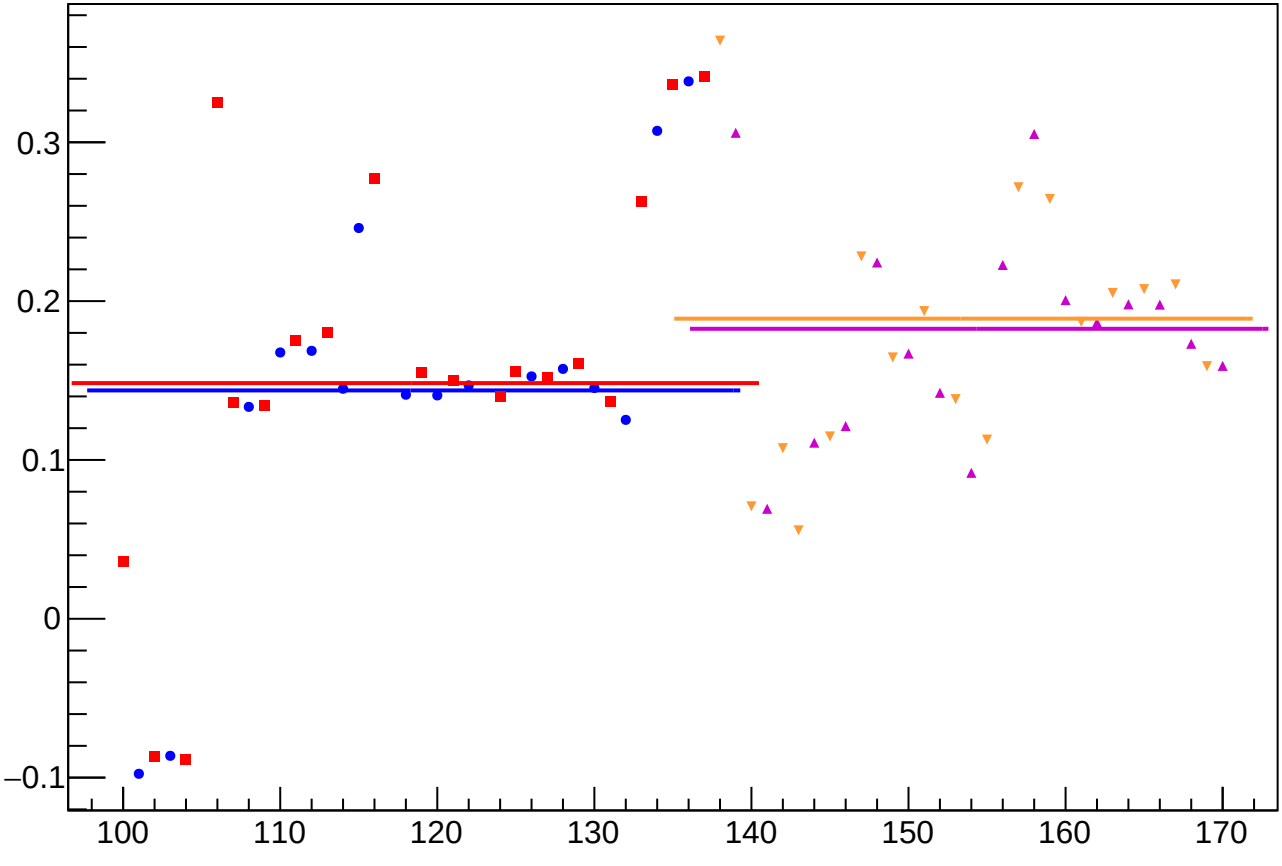
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:273828.9/31

Out: 0.011+/-0.000 χ^2/NDF:347416.9/35

All: 0.011+/-0.000 χ^2/NDF: 624531.7/67

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.189+/-0.000 χ^2/NDF:6098584440.6/16

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.183+/-0.000 χ^2/NDF:4497284191.1/15

Left: 0.186+/-0.000 χ^2/NDF: 10621869892.5/32

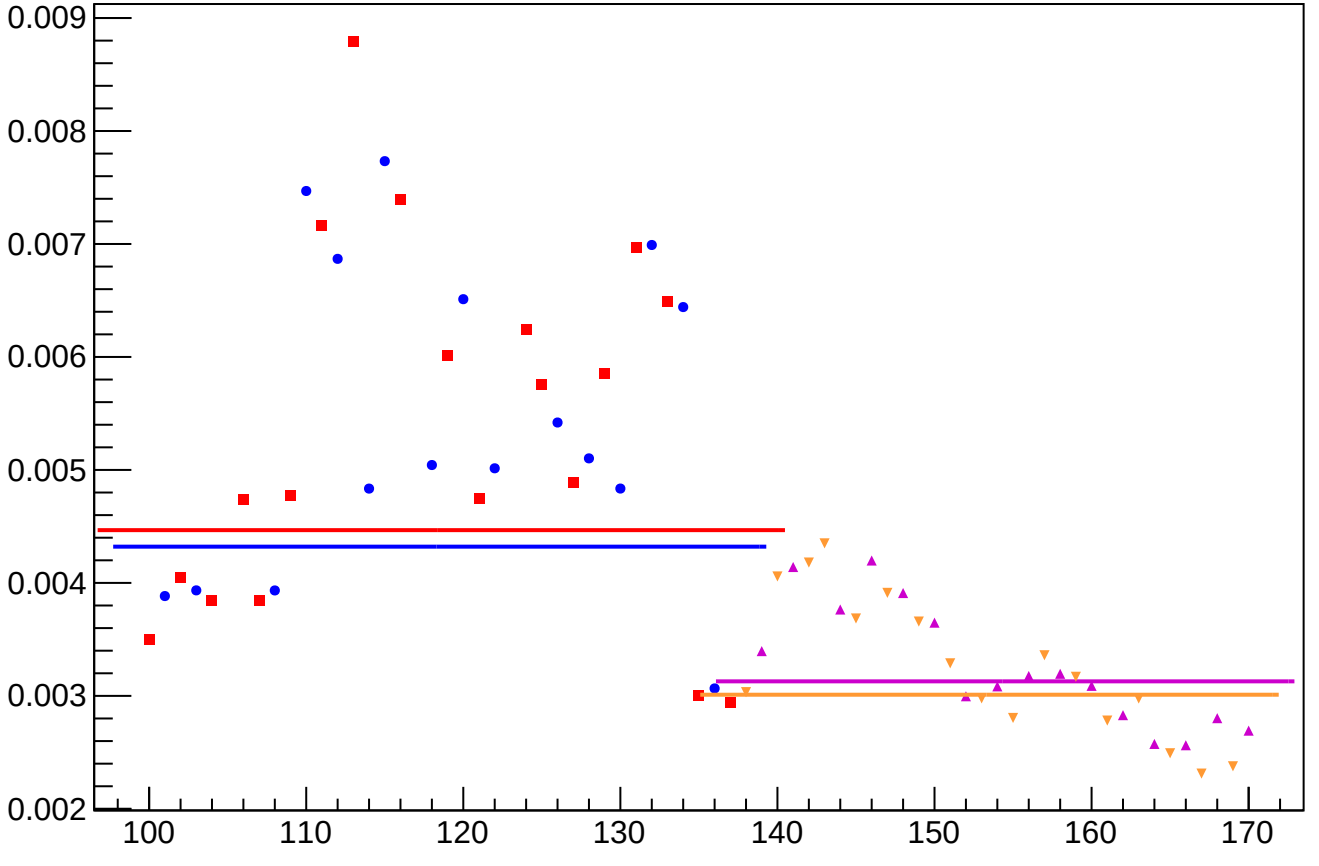
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.175+/-0.000 χ^2/NDF:12733568162.3/31

Out: 0.182+/-0.000 χ^2/NDF:13627668408.8/35

All: 0.178+/-0.000 χ^2/NDF: 26397354983.8/6

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:827330.2/16

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:530144.0/15

Left: 0.003+/-0.000 χ^2/NDF: 1375332.0/32

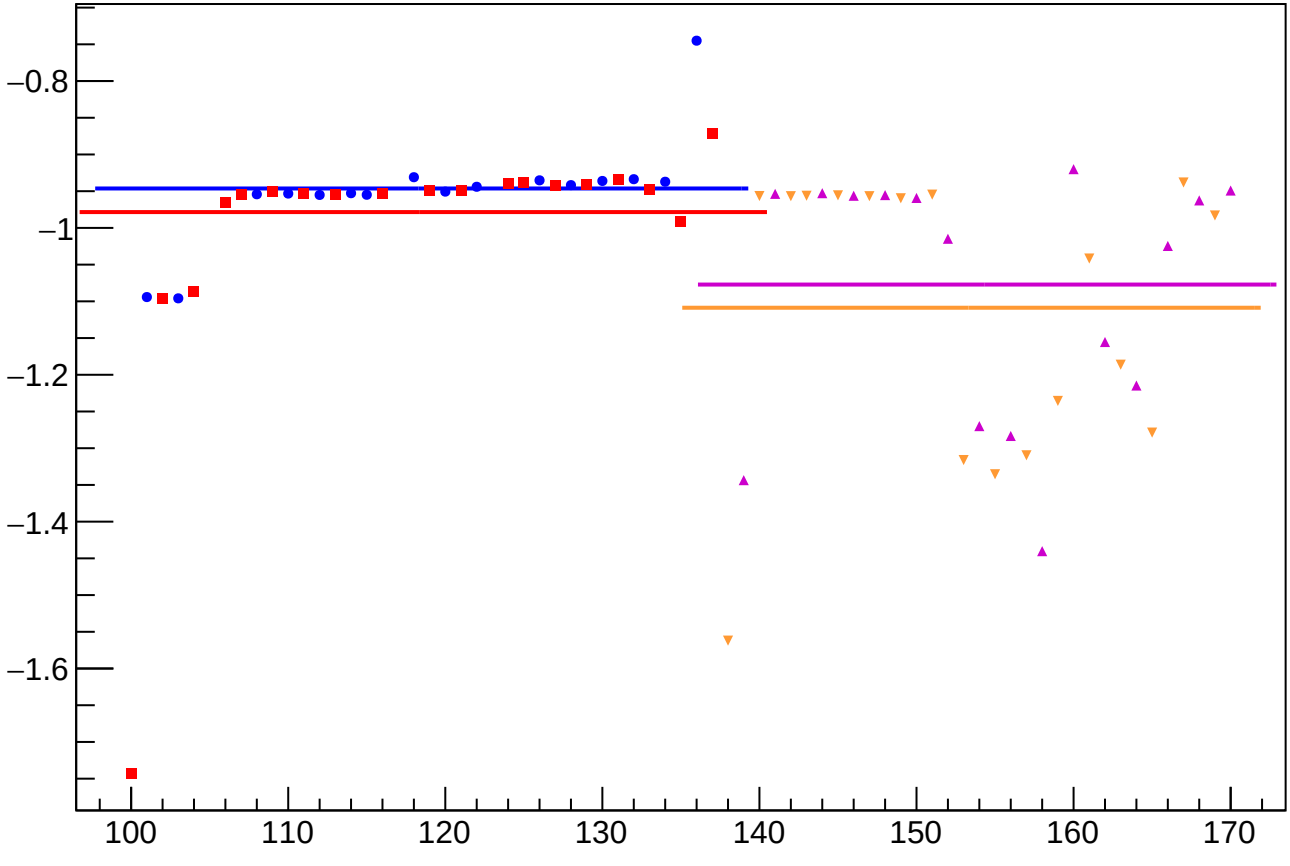
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2105460.3/31

Out: 0.003+/-0.000 χ^2/NDF:2945255.1/35

All: 0.003+/-0.000 χ^2/NDF: 5064010.2/67

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.109+/-0.000 χ^2/NDF:3993391971.1/16

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.077+/-0.000 χ^2/NDF:3288990665.0/15

Left: -1.093+/-0.000 χ^2/NDF: 7342442936.6/32

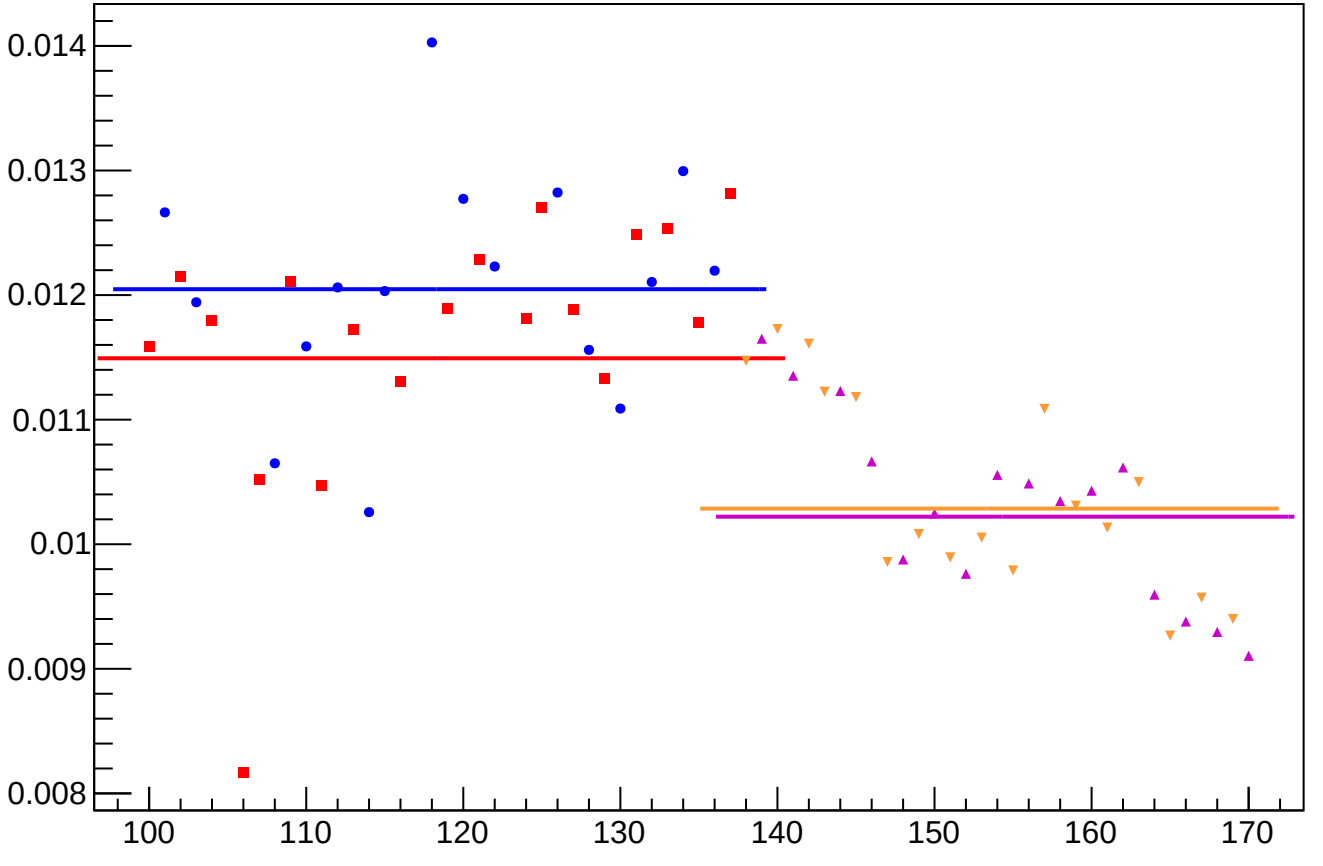
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.040+/-0.000 χ^2/NDF:4275448583.7/31

Out: -1.068+/-0.000 χ^2/NDF:5089086237.3/35

All: -1.055+/-0.000 χ^2/NDF: 9431932372.8/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:127645.9/16

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:123874.4/15

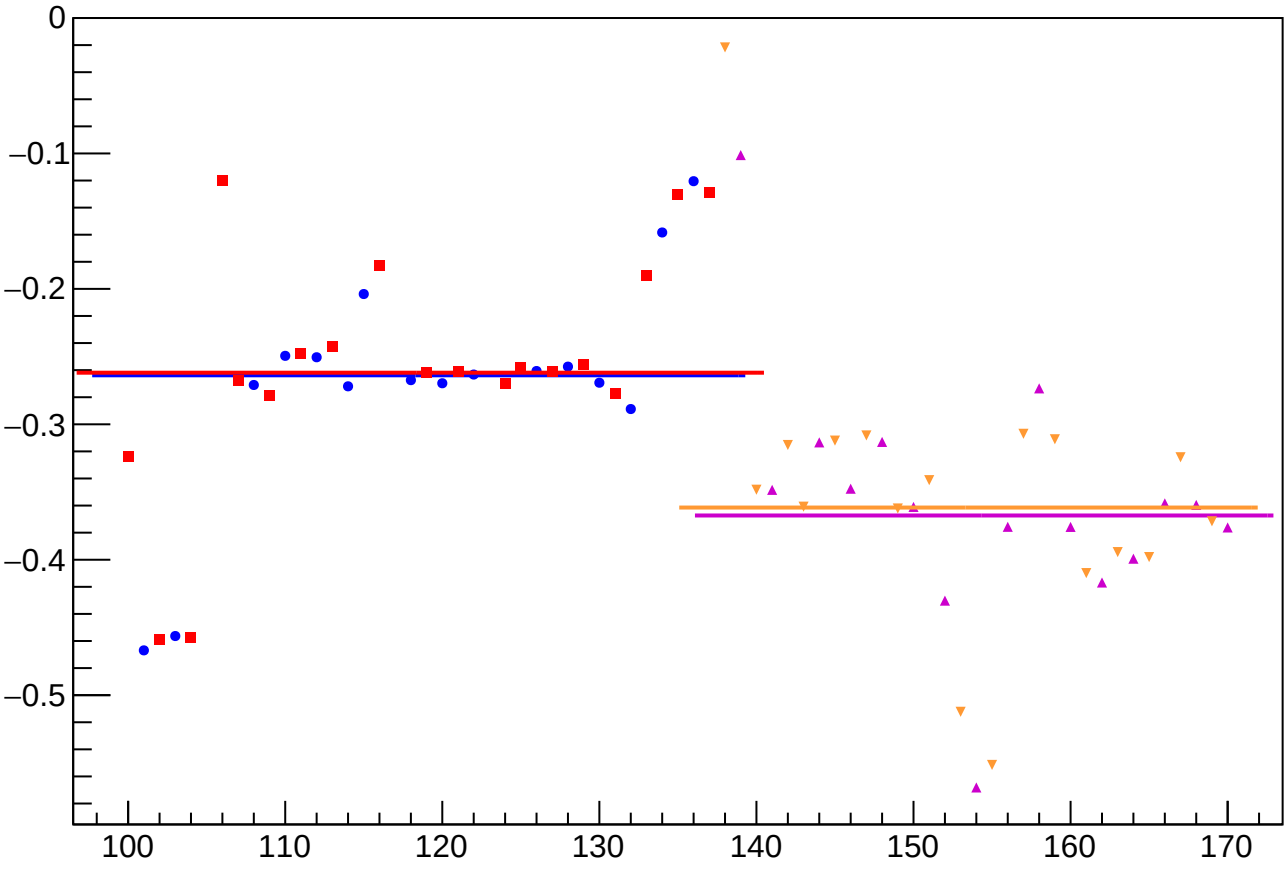
Left: 0.010+/-0.000 χ^2/NDF: 252028.1/32

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:413047.9/31

Out: 0.011+/-0.000 χ^2/NDF:387857.4/35

All: 0.011+/-0.000 χ^2/NDF: 801887.4/67



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.361+/-0.000 χ^2/NDF:11843979653.2/16

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.367+/-0.000 χ^2/NDF:7561366458.1/15

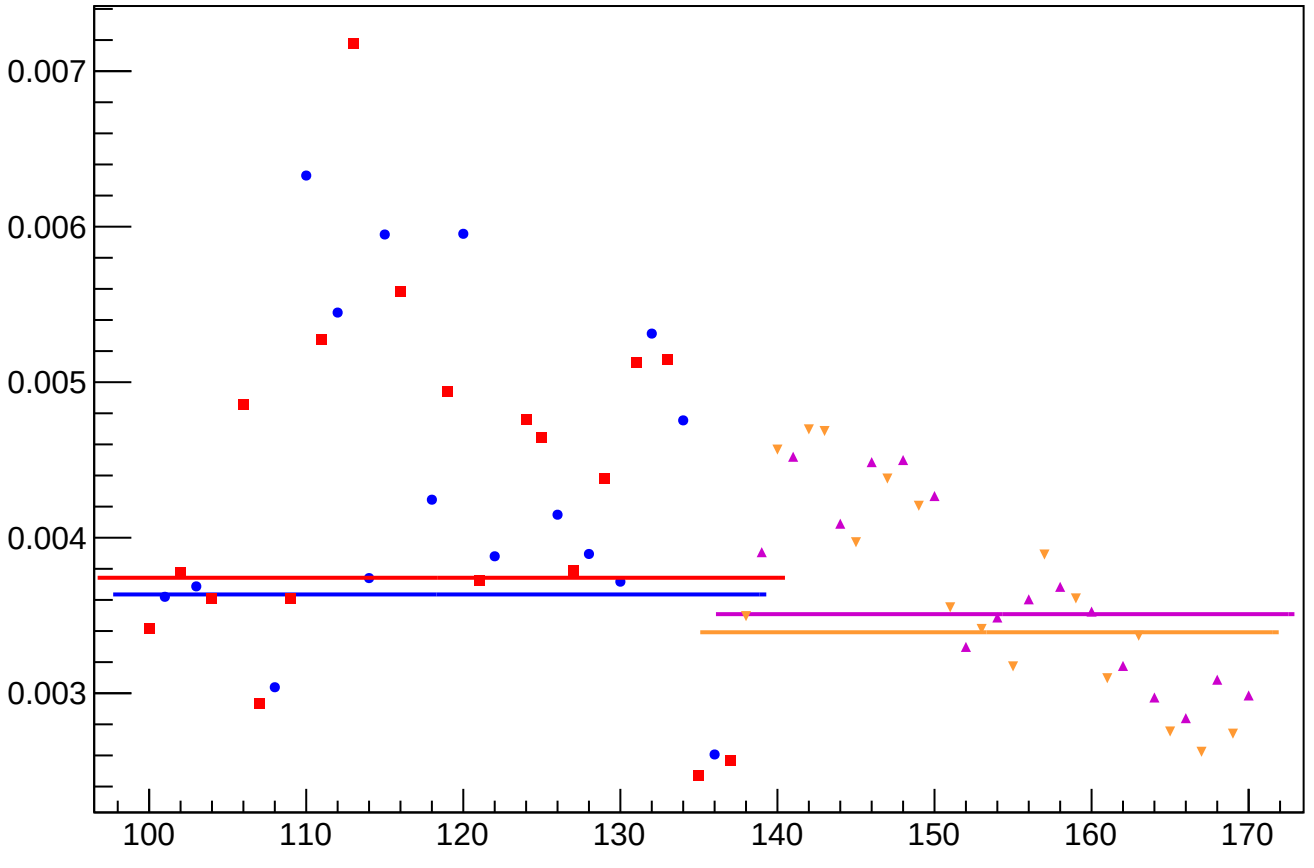
Left: -0.364+/-0.000 χ^2/NDF: 19422463652.0/32

Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

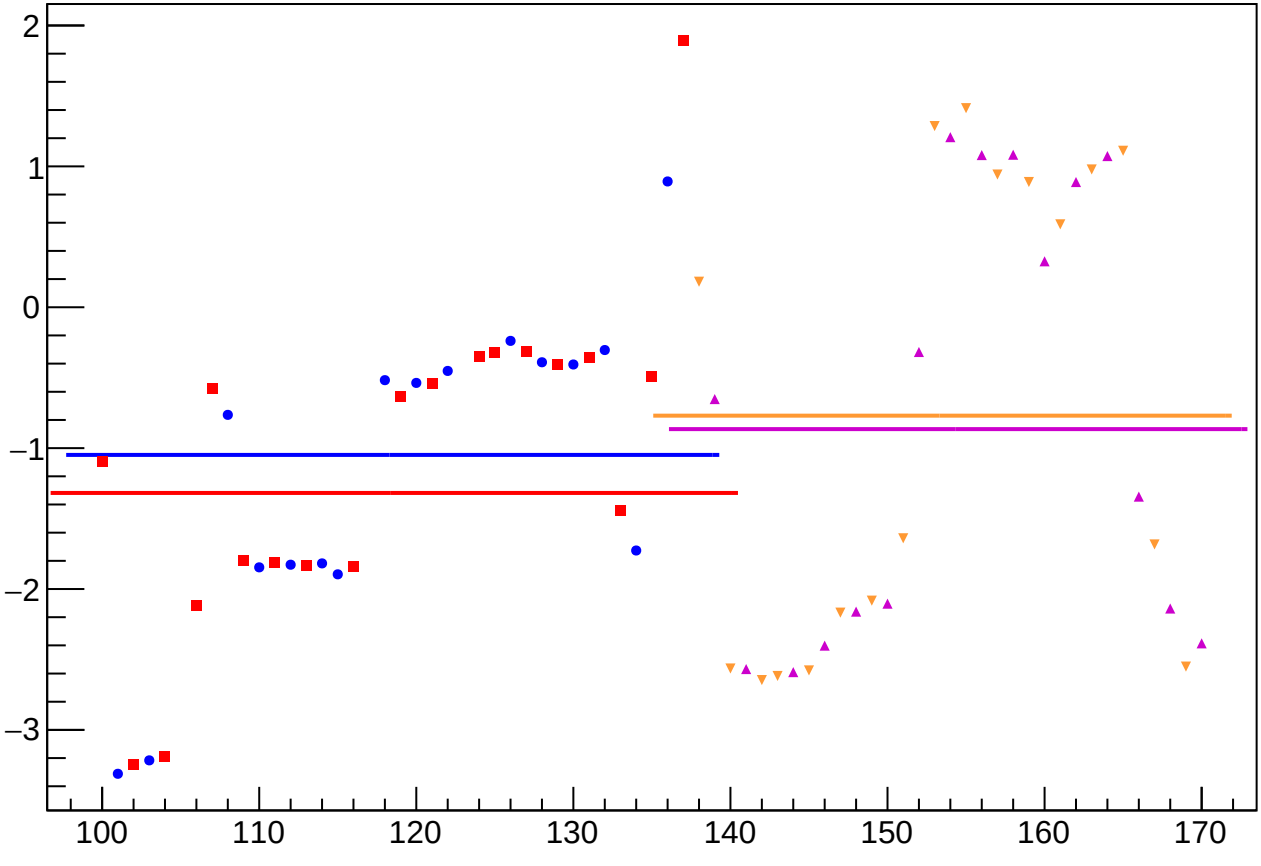
In: -0.335+/-0.000 χ^2/NDF:16880870599.1/31

Out: -0.332+/-0.000 χ^2/NDF:20106790946.5/35

All: -0.334+/-0.000 χ^2/NDF: 36992617116.4/


yield_bpm0l10Y_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.003+/-0.000 χ²/NDF:762690.6/16
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:519140.9/15
Left: 0.003+/-0.000 χ²/NDF: 1295330.9/32
Right: 0.004+/-0.000 χ²/NDF: 1627770.5/34
In: 0.004+/-0.000 χ²/NDF:1257369.0/31
Out: 0.003+/-0.000 χ²/NDF:1731494.6/35
All: 0.004+/-0.000 χ²/NDF: 2992944.1/67

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.769+/-0.000 χ^2/NDF:6196152242.3/16

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.865+/-0.000 χ^2/NDF:5148890387.0/15

Left: -0.816+/-0.000 χ^2/NDF: 11355541681.4/32

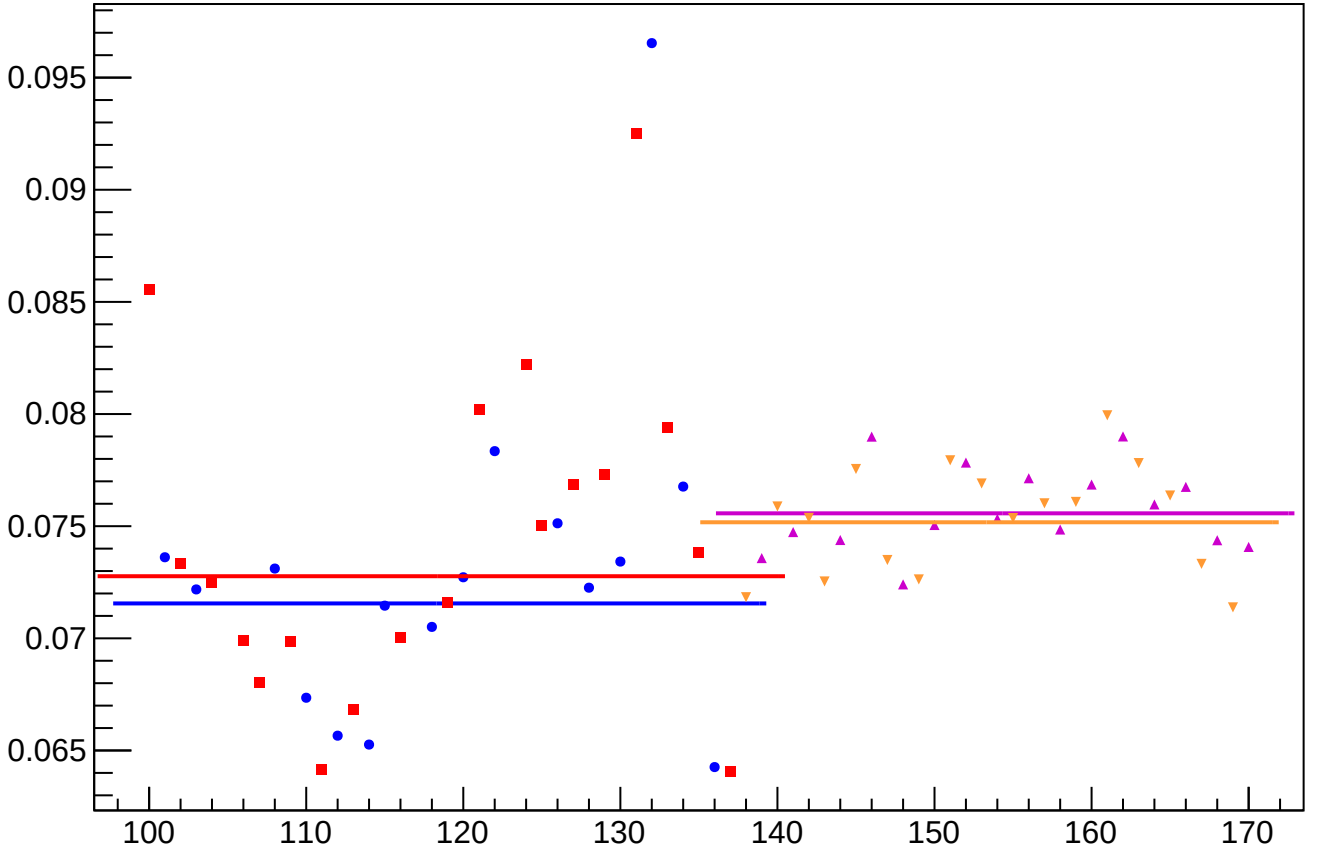
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.934+/-0.000 χ^2/NDF:7524526665.9/31

Out: -0.972+/-0.000 χ^2/NDF:8304318602.2/35

All: -0.953+/-0.000 χ^2/NDF: 15831543958.8/

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:26932.2/16

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:15351.2/15

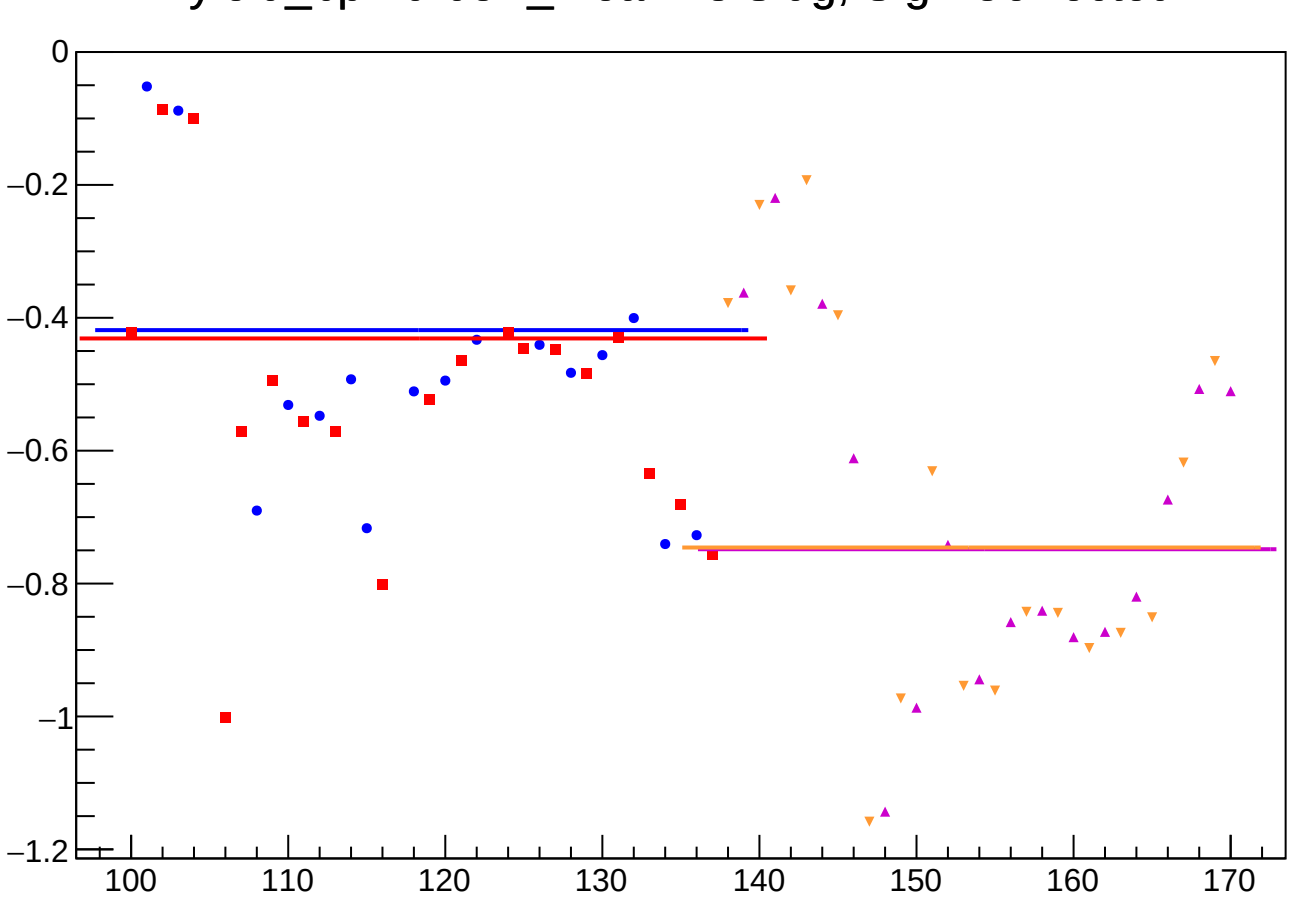
Left: 0.075+/-0.000 χ^2/NDF: 42649.5/32

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:144140.7/31

Out: 0.074+/-0.000 χ^2/NDF:133809.9/35

All: 0.074+/-0.000 χ^2/NDF: 278136.3/67



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.746+/-0.000 χ^2/NDF:17089043410.2/16

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.748+/-0.000 χ^2/NDF:13116742896.6/15

Left: -0.747+/-0.000 χ^2/NDF: 30206744802.3/32

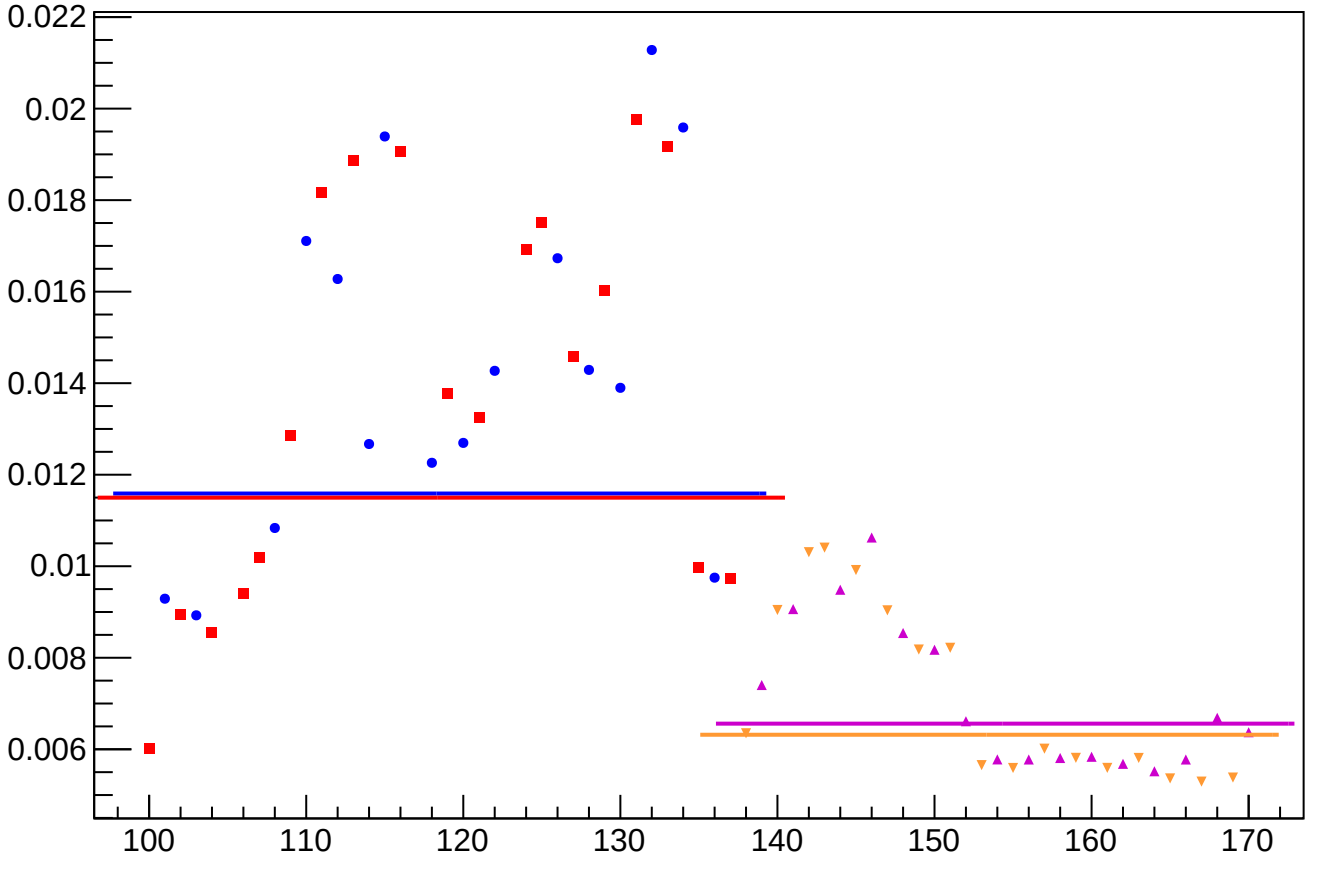
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.703+/-0.000 χ^2/NDF:20349987076.3/31

Out: -0.705+/-0.000 χ^2/NDF:24195798621.0/35

All: -0.704+/-0.000 χ^2/NDF: 44546313875.4/

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:1212749.1/16

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:876810.6/15

Left: 0.006+/-0.000 χ^2/NDF: 2106580.1/32

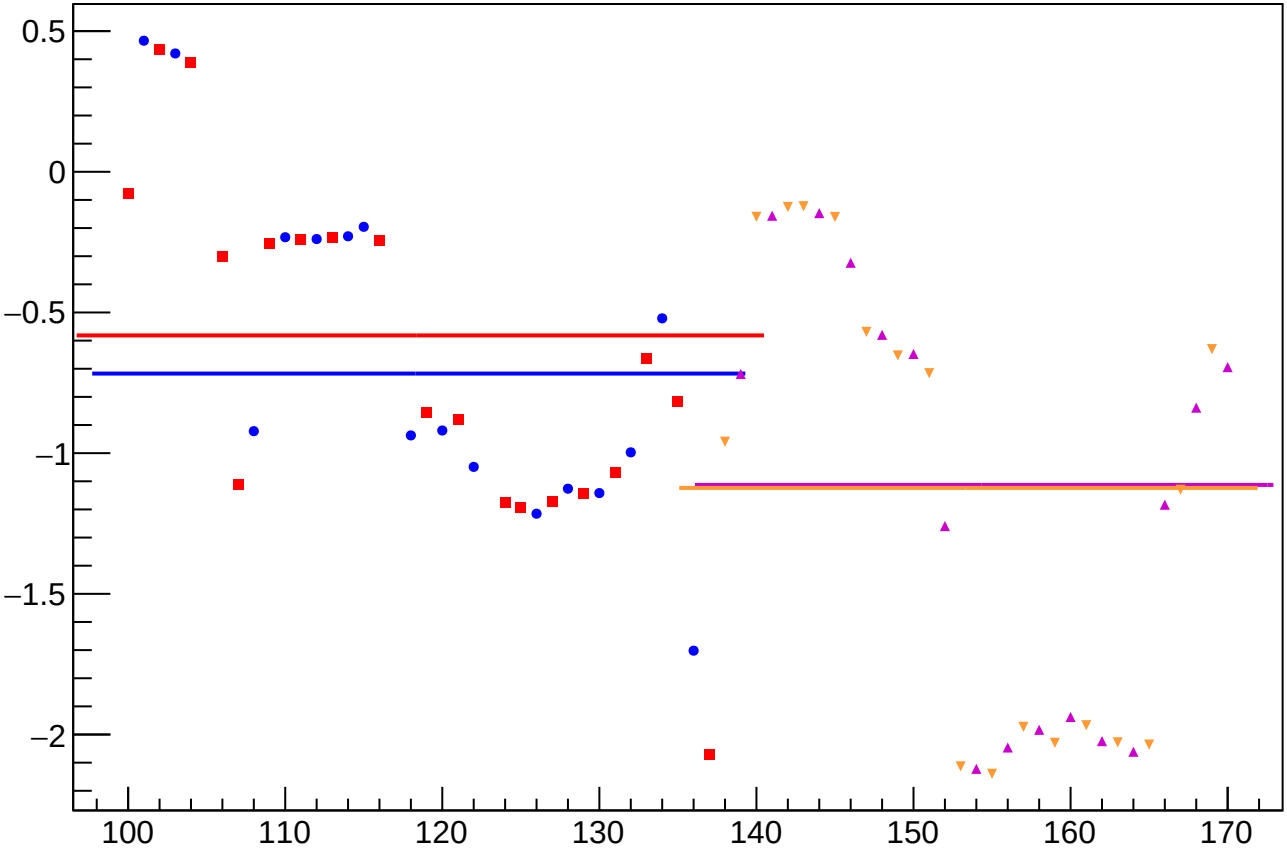
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3598231.7/31

Out: 0.007+/-0.000 χ^2/NDF:4497788.3/35

All: 0.007+/-0.000 χ^2/NDF: 8118415.1/67

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.124+/-0.000 χ^2/NDF:1102039344.2/16

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.113+/-0.000 χ^2/NDF:934622130.9/15

Left: -1.118+/-0.000 χ^2/NDF: 2036760774.9/32

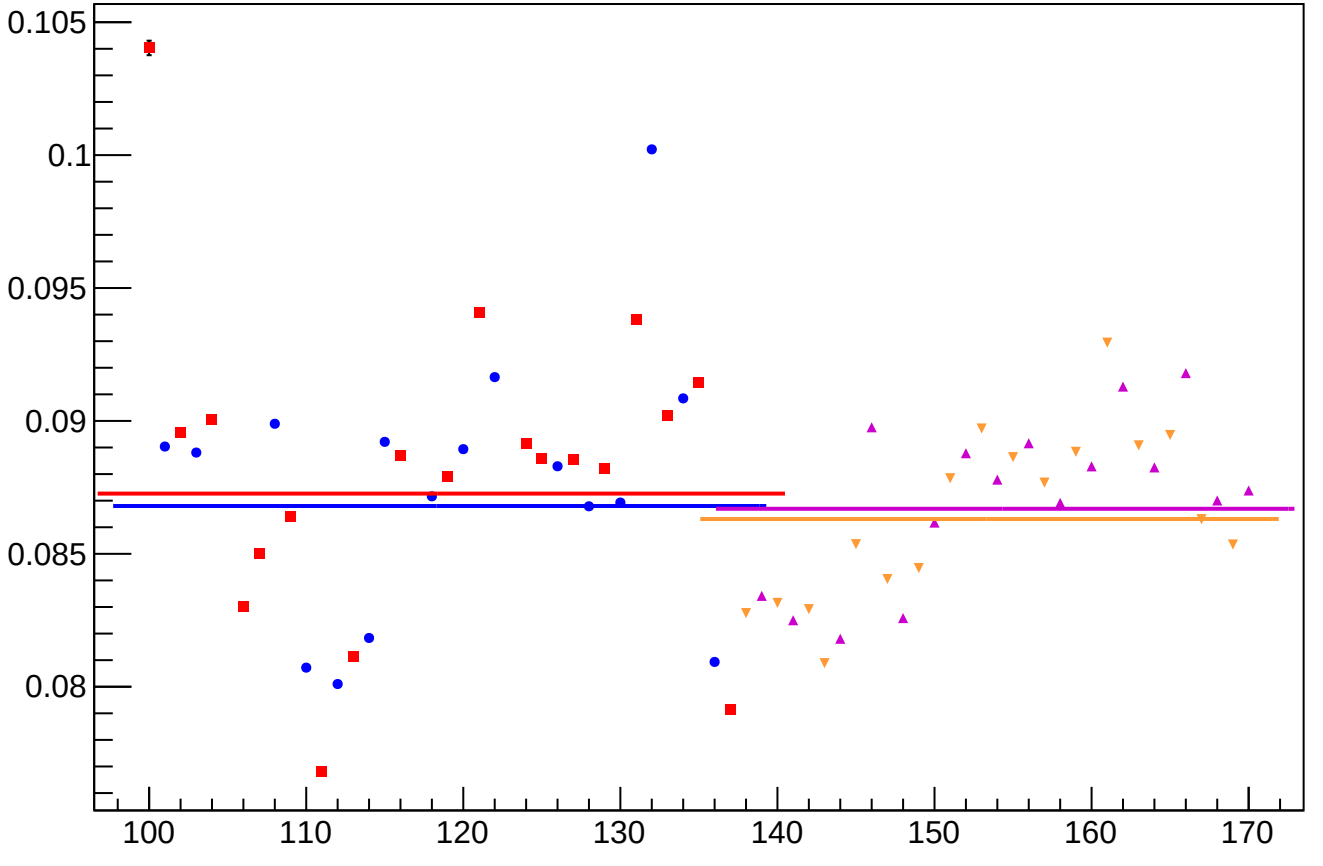
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.973+/-0.000 χ^2/NDF:1468530234.1/31

Out: -0.932+/-0.000 χ^2/NDF:1629924239.5/35

All: -0.952+/-0.000 χ^2/NDF: 3100729657.0/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33570.6/16

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:30817.6/15

Left: 0.086+/-0.000 χ^2/NDF: 64650.3/32

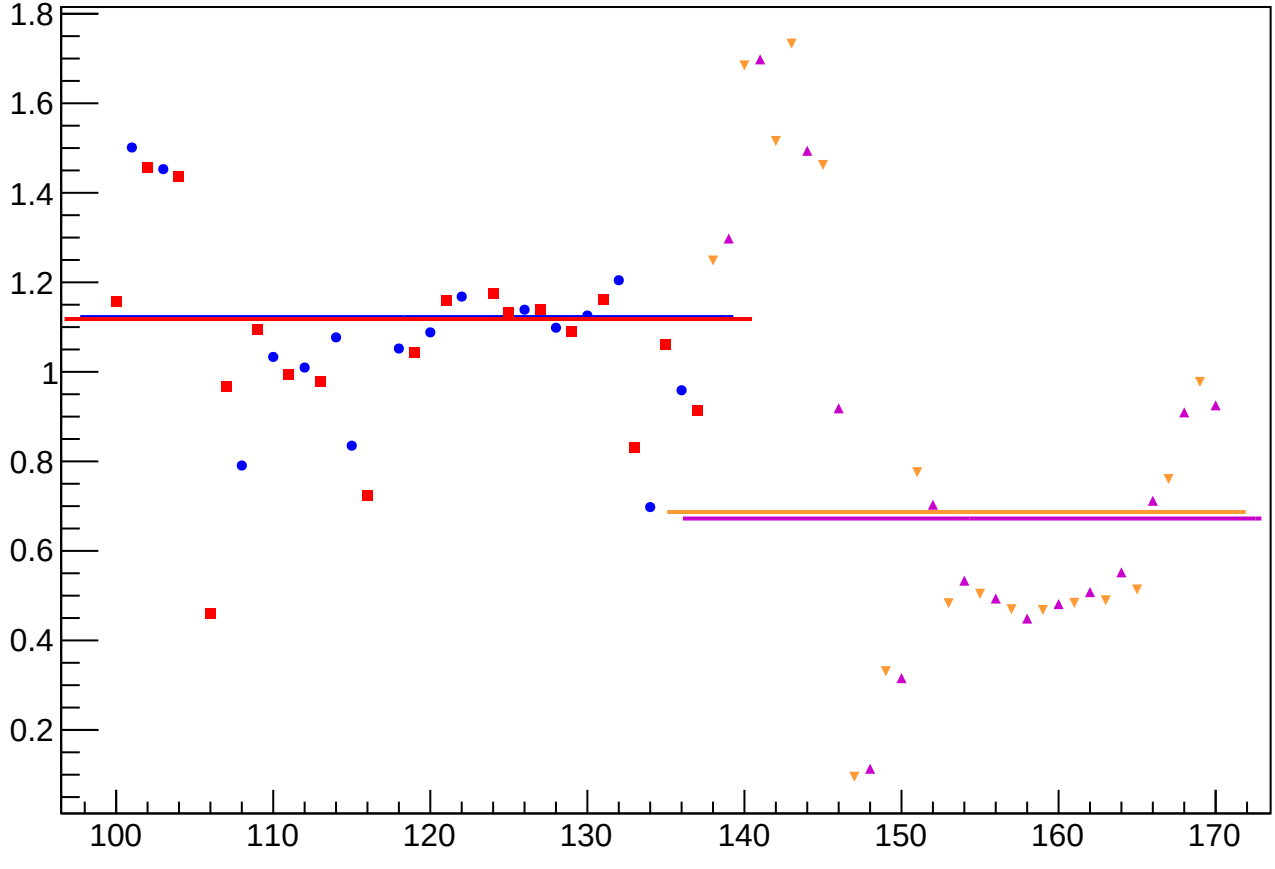
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:74406.7/31

Out: 0.087+/-0.000 χ^2/NDF:80892.3/35

All: 0.087+/-0.000 χ^2/NDF: 155318.4/67

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.687+/-0.000 χ^2/NDF:29778303534.5/16

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.672+/-0.000 χ^2/NDF:23320206774.2/15

Left: 0.680+/-0.000 χ^2/NDF: 53119739224.8/32

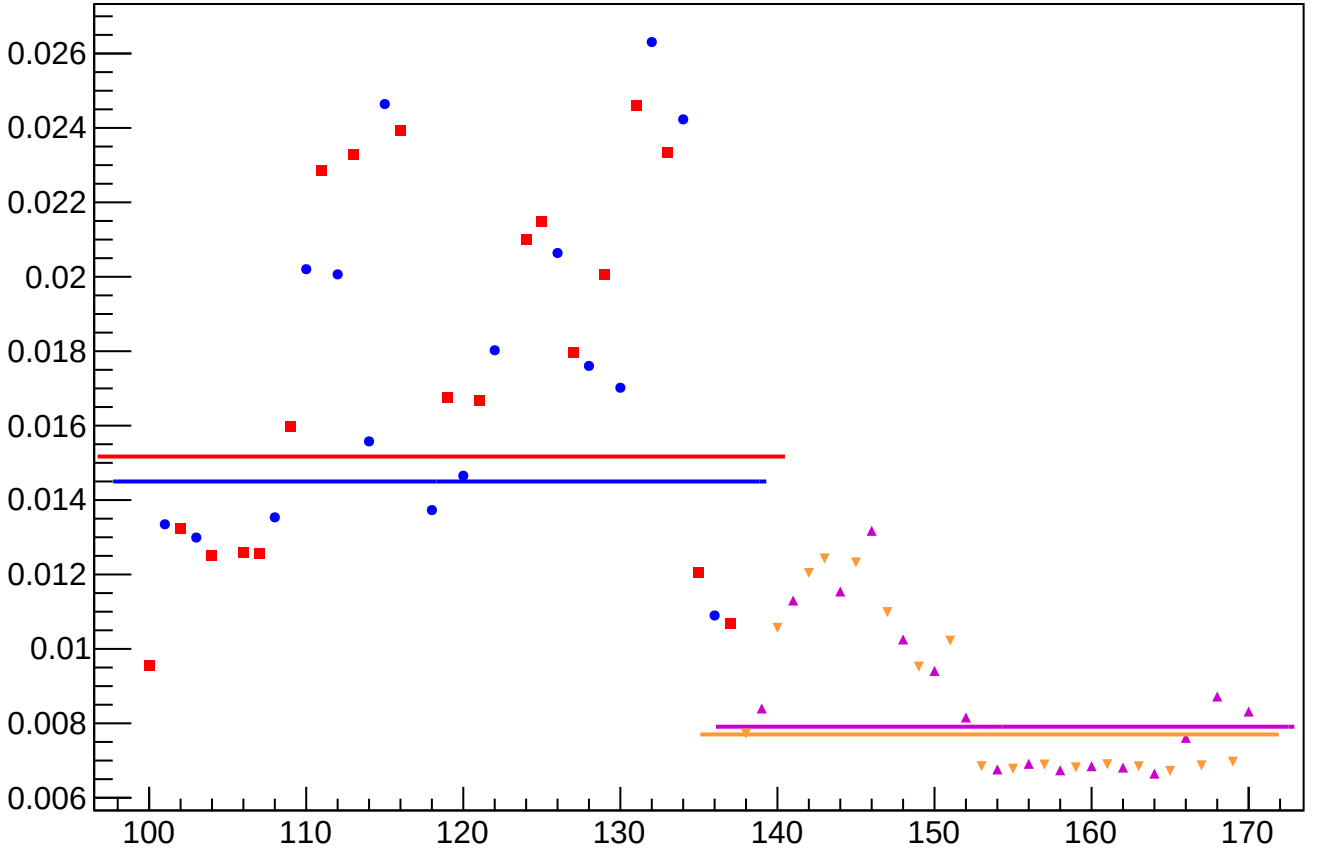
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.730+/-0.000 χ^2/NDF:29786642931.3/31

Out: 0.736+/-0.000 χ^2/NDF:35737636482.5/35

All: 0.733+/-0.000 χ^2/NDF: 65528172912.8/6

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1131837.9/16

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:953071.1/15

Left: 0.008+/-0.000 χ^2/NDF: 2093480.9/32

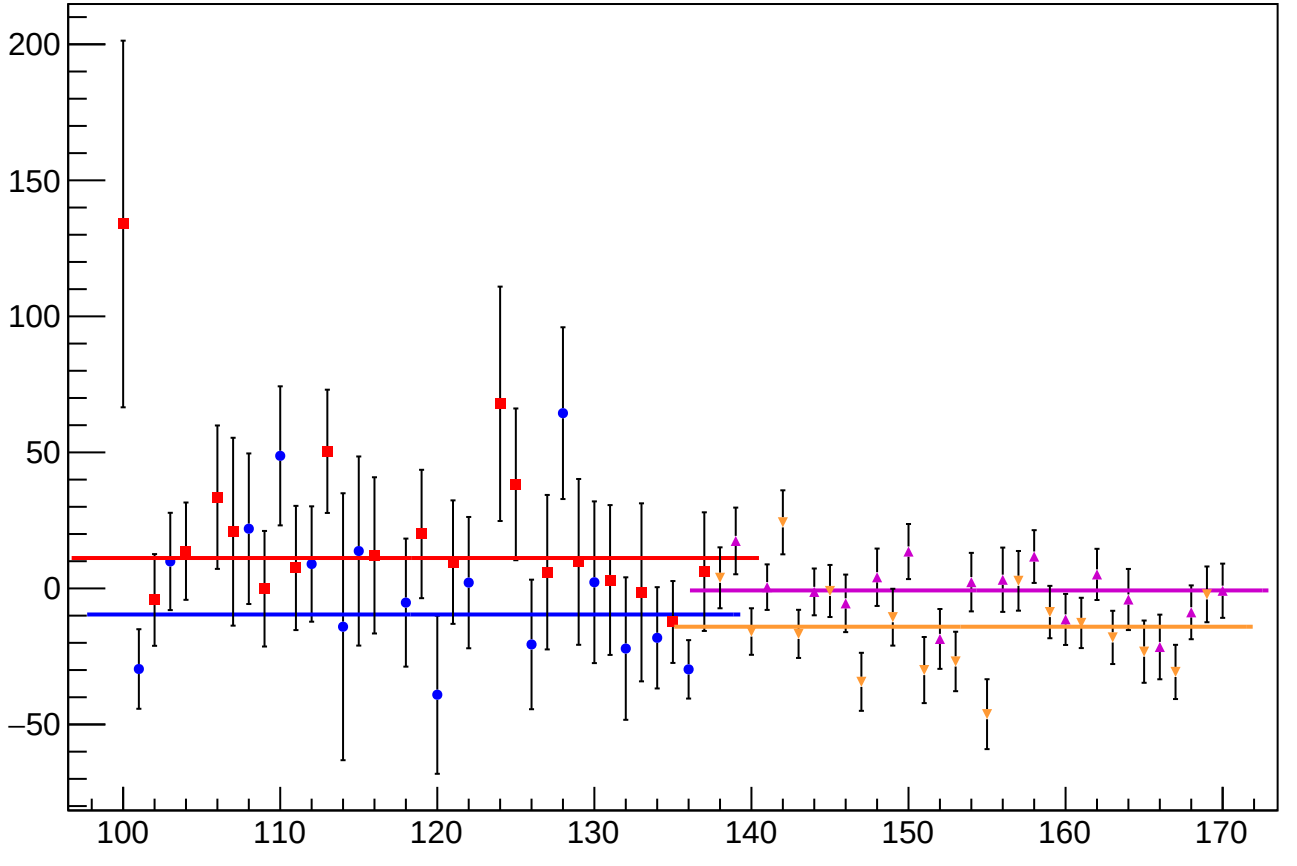
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3812802.1/31

Out: 0.009+/-0.000 χ^2/NDF:4630588.0/35

All: 0.009+/-0.000 χ^2/NDF: 8452788.0/67

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.077+/-2.499 χ^2/NDF:35.9/16

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: -0.738+/-2.542 χ^2/NDF:14.6/15

Left: -7.522+/-1.782 χ^2/NDF: 64.5/32

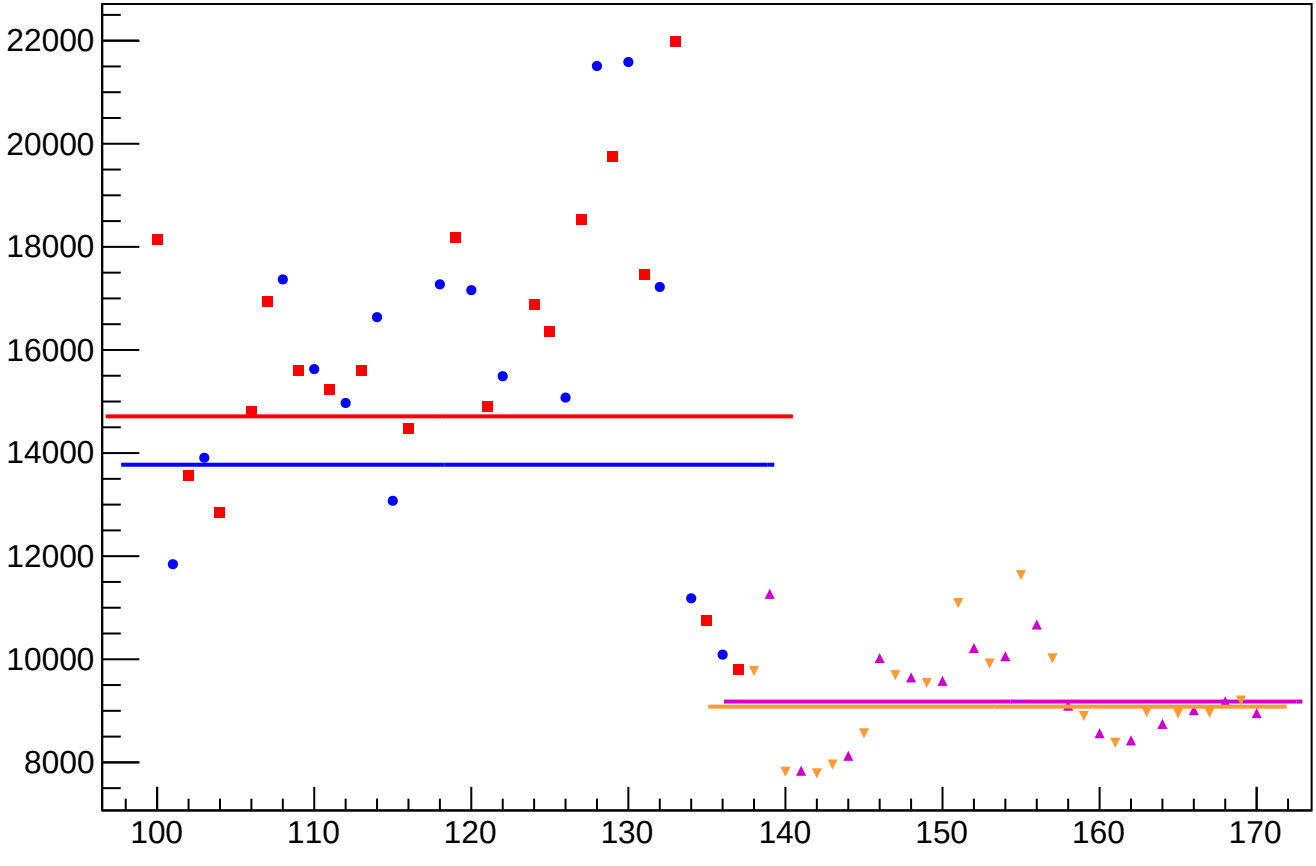
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.396+/-2.291 χ^2/NDF:38.8/31

Out: -9.753+/-2.275 χ^2/NDF:67.3/35

All: -6.101+/-1.614 χ^2/NDF: 111.3/67

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9081.192+/-1.767 χ^2/NDF:297051.1/16

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9179.642+/-1.797 χ^2/NDF:248404.7/15

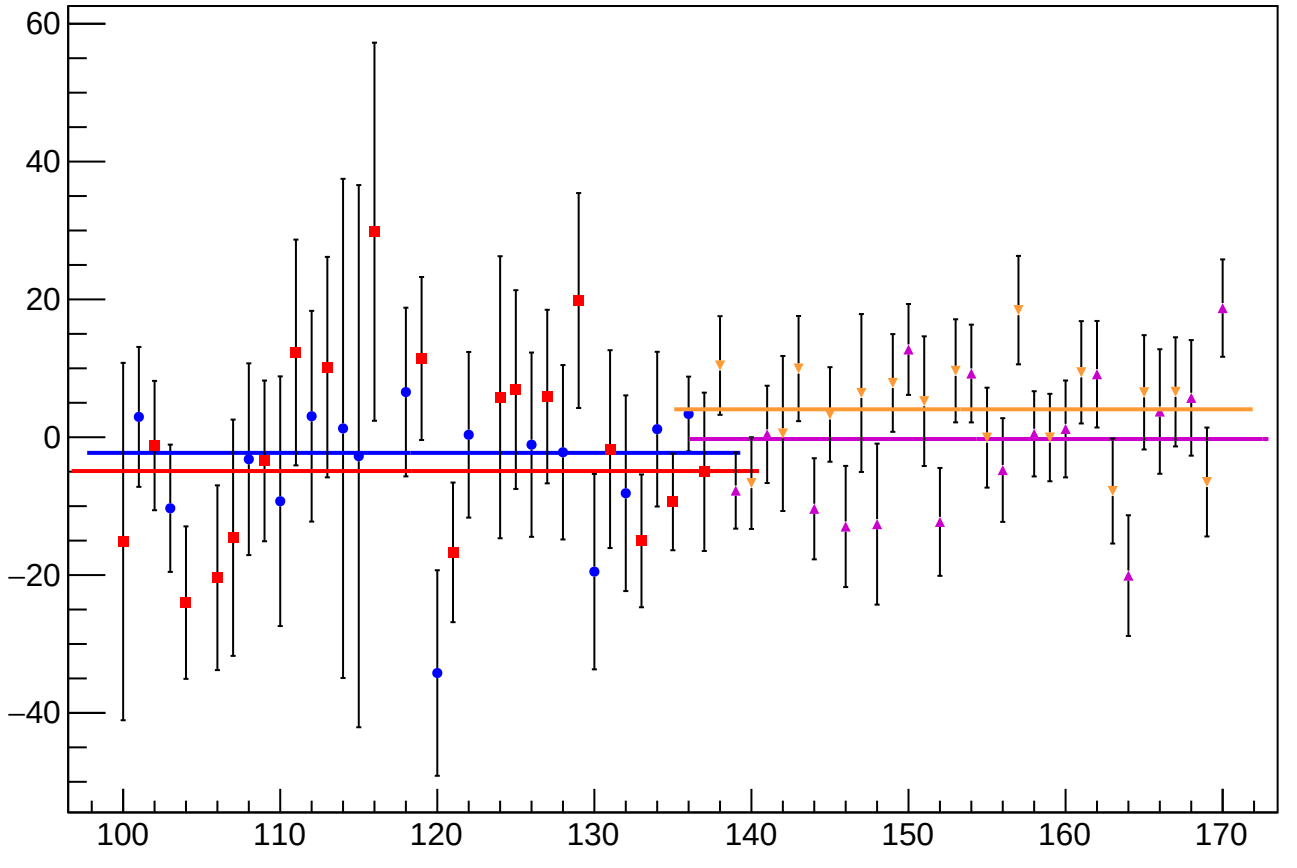
Left: 9129.573+/-1.260 χ^2/NDF: 546981.9/32

Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

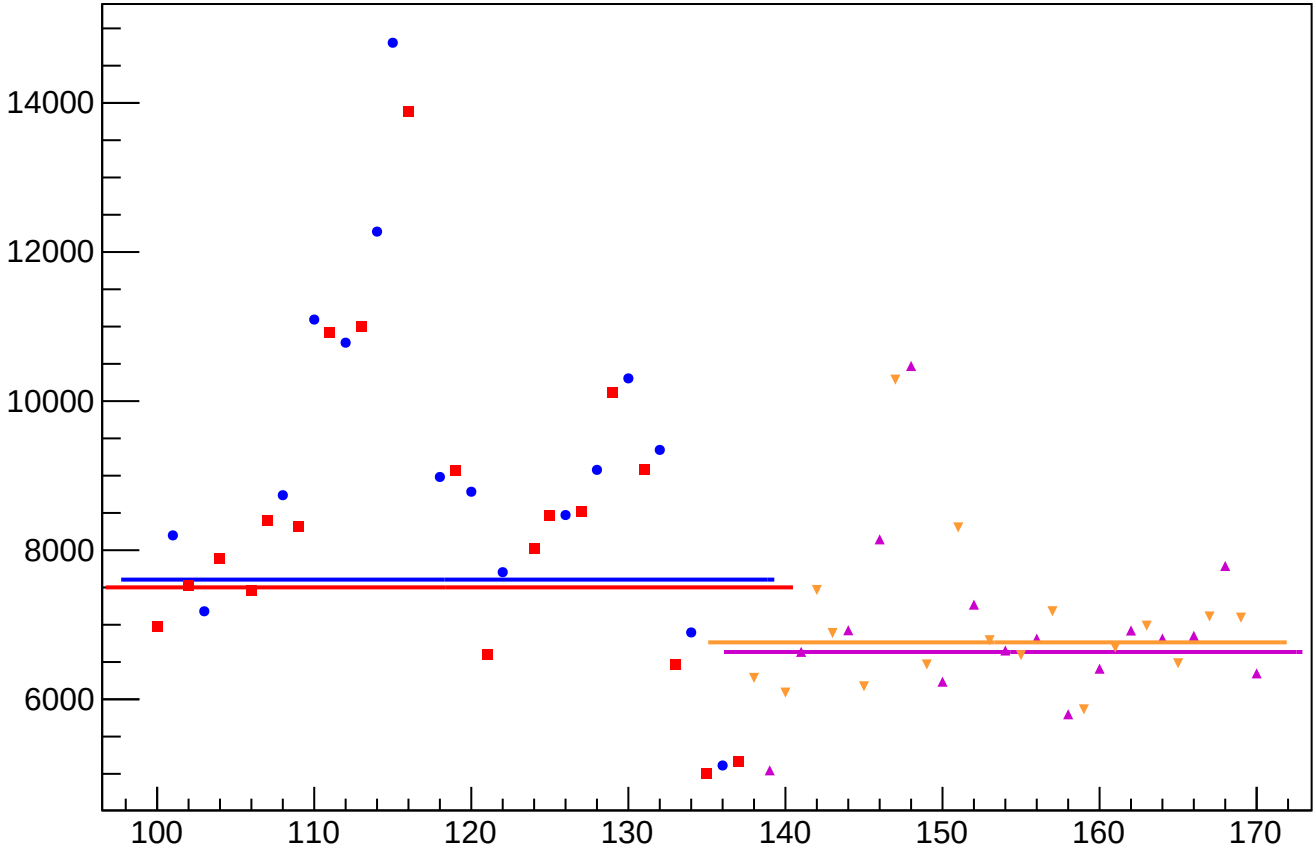
In: 10041.138+/-1.620 χ^2/NDF:2221309.2/31

Out: 10045.277+/-1.608 χ^2/NDF:2593635.6/35

All: 10043.222+/-1.141 χ^2/NDF: 4814948.1/6


diff_bpm4aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.267+/-2.922 χ²/NDF: 9.3/15
Left Out: 4.055+/-1.867 χ²/NDF:14.0/16
Right Out: -4.904+/-2.836 χ²/NDF: 17.6/18
Left In: -0.258+/-1.853 χ²/NDF:29.9/15
Left: 1.882+/-1.315 χ²/NDF: 46.6/32
Right: -3.625+/-2.035 χ²/NDF: 27.3/34
In: -0.834+/-1.565 χ²/NDF:39.6/31
Out: 1.346+/-1.559 χ²/NDF:38.5/35
All: 0.260+/-1.105 χ²/NDF: 79.1/67

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6763.834+/-1.320 χ^2/NDF:357448.9/16

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6634.667+/-1.310 χ^2/NDF:549396.6/15

Left: 6698.774+/-0.930 χ^2/NDF: 911668.5/32

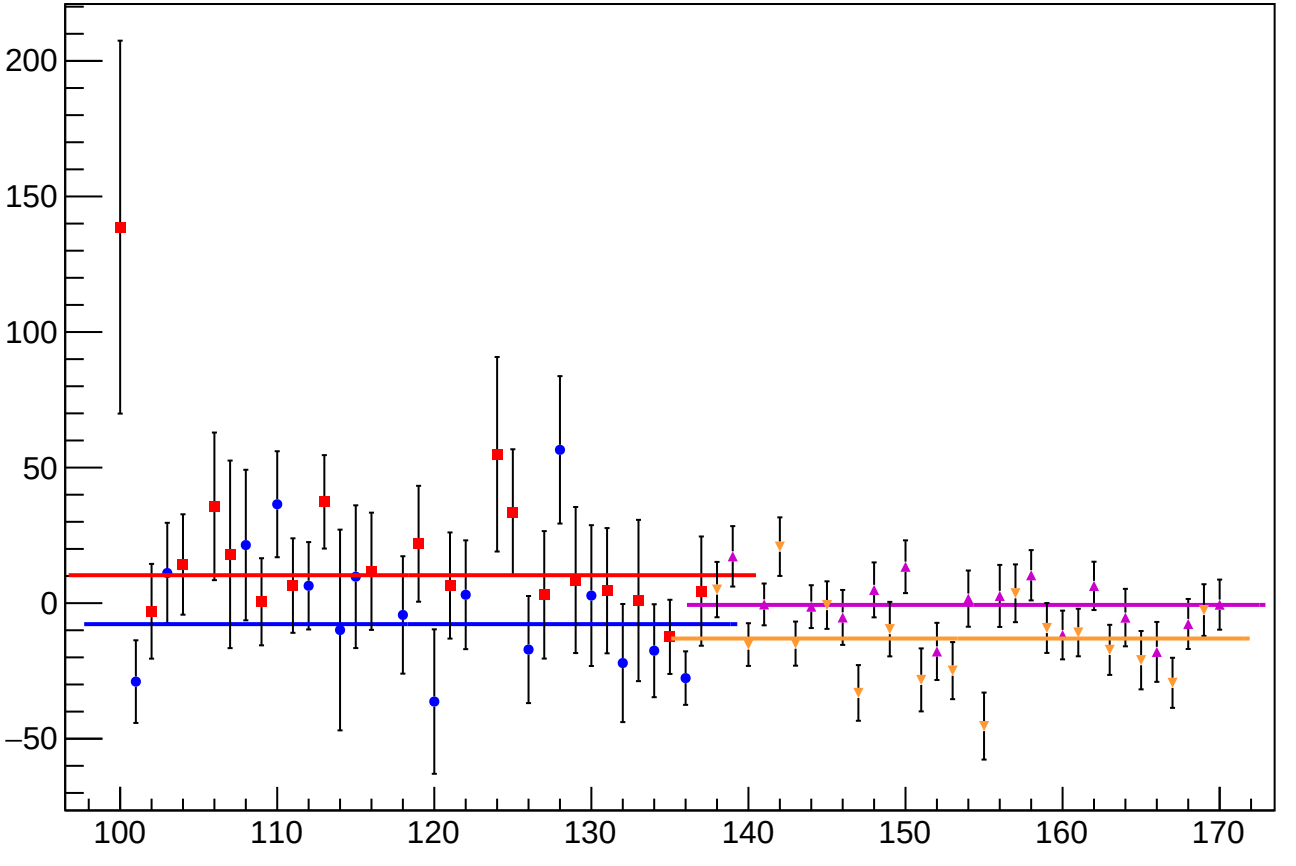
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6913.176+/-1.107 χ^2/NDF:1598407.6/31

Out: 6986.842+/-1.103 χ^2/NDF:1275423.0/35

All: 6950.142+/-0.781 χ^2/NDF: 2876054.6/67

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.046+/-2.347 χ^2/NDF:36.6/16

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: -0.648+/-2.397 χ^2/NDF:14.7/15

Left: -6.976+/-1.677 χ^2/NDF: 65.0/32

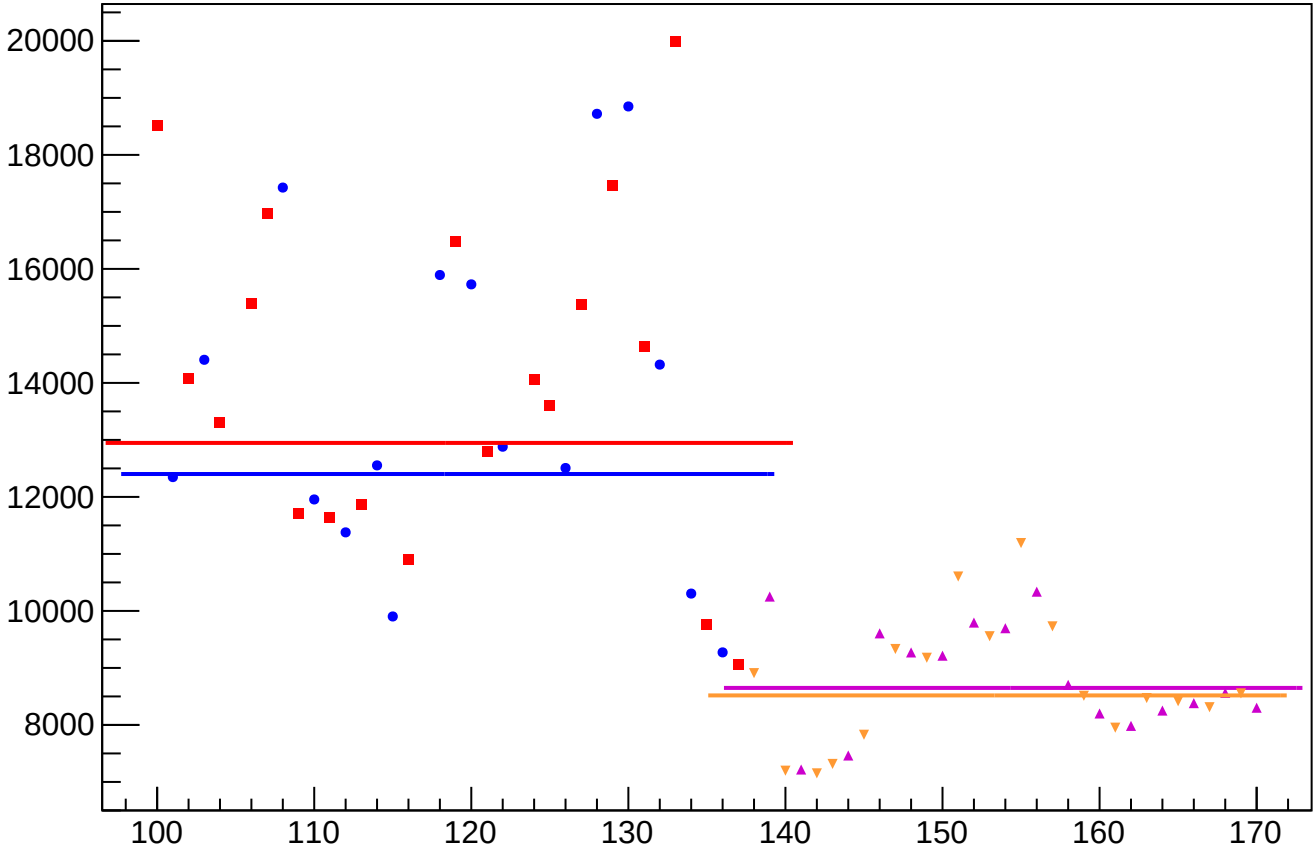
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.088+/-2.140 χ^2/NDF:39.2/31

Out: -8.598+/-2.112 χ^2/NDF:69.4/35

All: -5.386+/-1.503 χ^2/NDF: 113.3/67

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8517.755+/-1.660 χ^2/NDF:381356.4/16

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8649.407+/-1.695 χ^2/NDF:298275.4/15

Left: 8582.206+/-1.186 χ^2/NDF: 682711.2/32

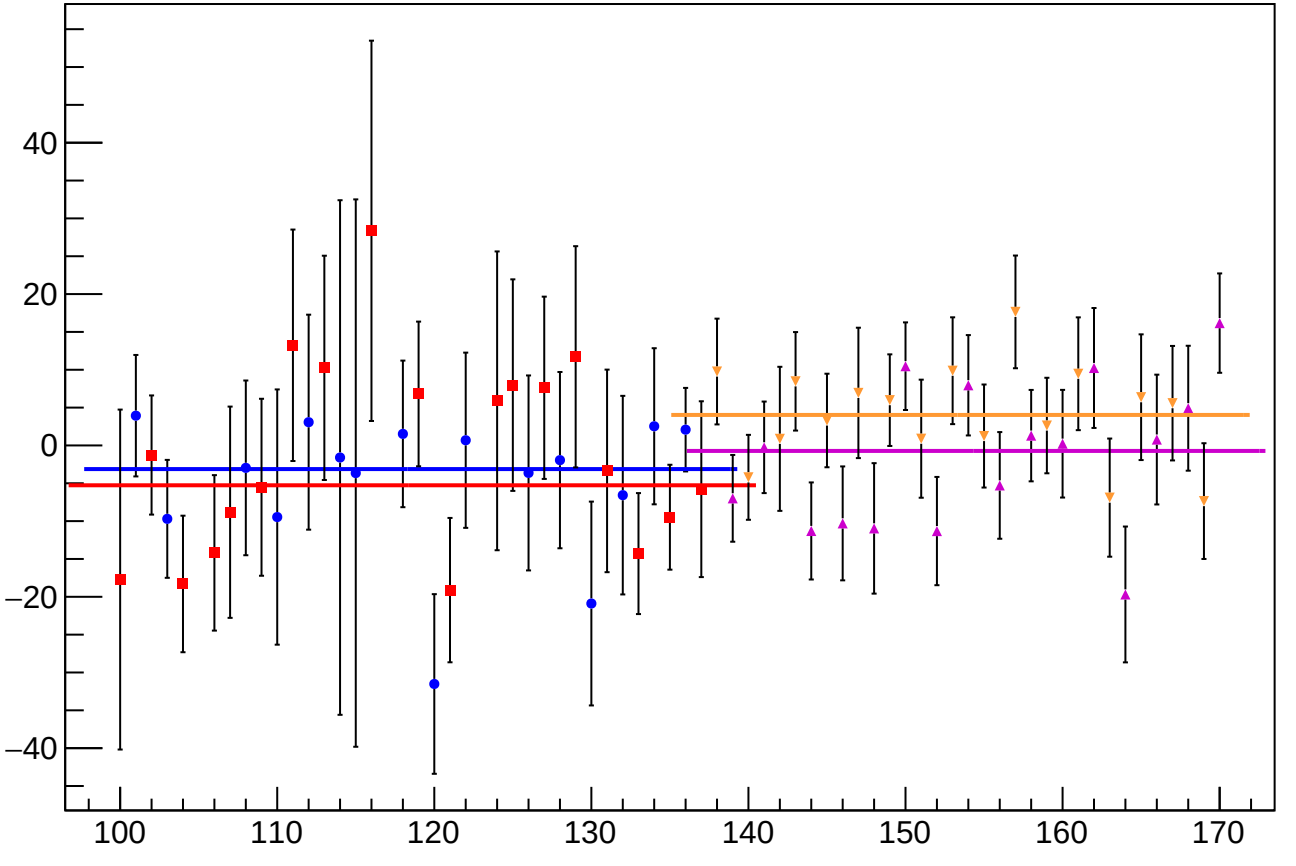
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9411.499+/-1.513 χ^2/NDF:1971977.8/31

Out: 9361.401+/-1.494 χ^2/NDF:2292799.3/35

All: 9386.124+/-1.063 χ^2/NDF: 4265332.4/67

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.030+/-1.719 χ^2/NDF:12.9/16

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.726+/-1.734 χ^2/NDF:28.6/15

Left: 1.674+/-1.221 χ^2/NDF: 45.3/32

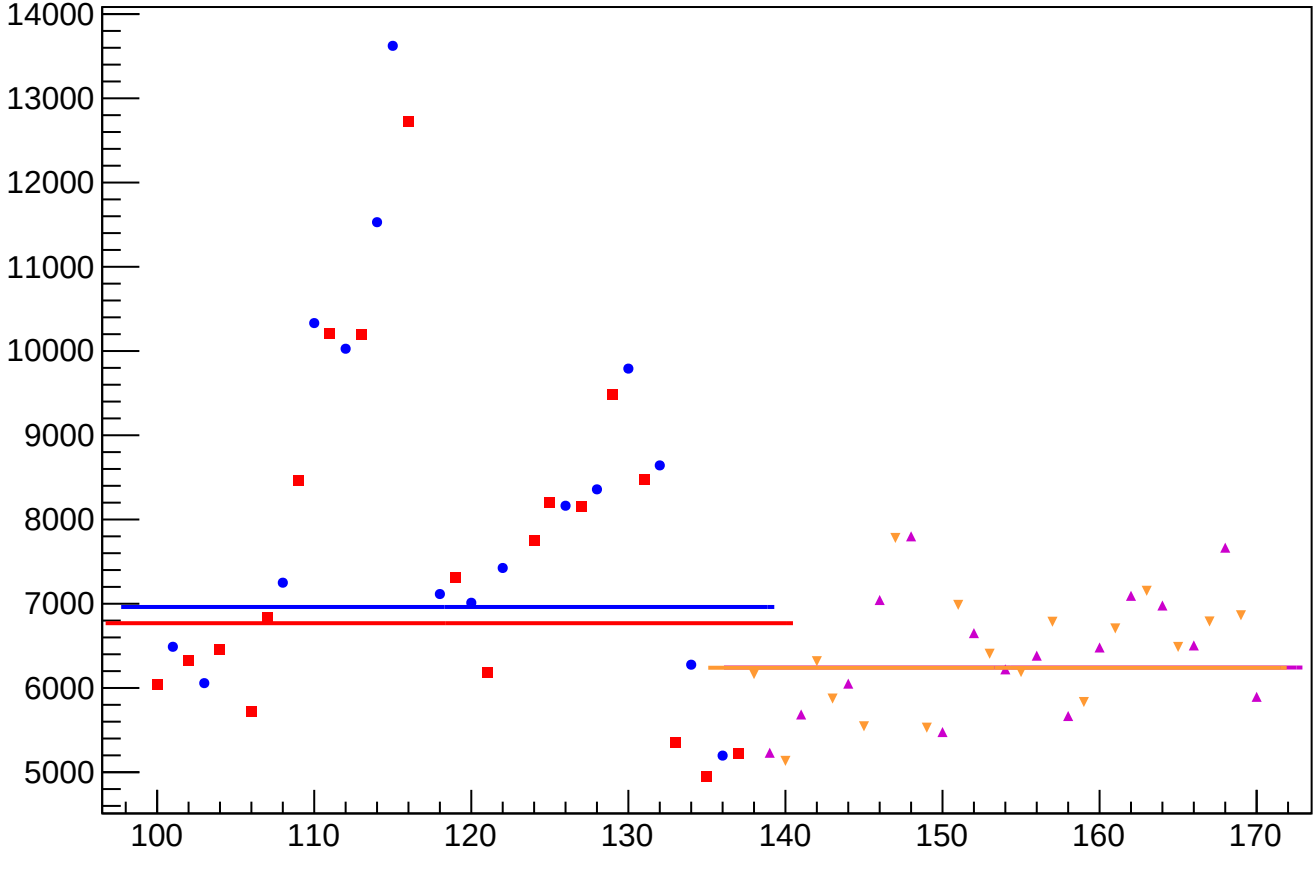
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.442+/-1.452 χ^2/NDF:40.1/31

Out: 1.132+/-1.426 χ^2/NDF:38.9/35

All: -0.132+/-1.017 χ^2/NDF: 80.6/67

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6240.226+/-1.215 χ^2/NDF:300675.1/16

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6242.734+/-1.226 χ^2/NDF:335270.6/15

Left: 6241.469+/-0.863 χ^2/NDF: 635947.9/32

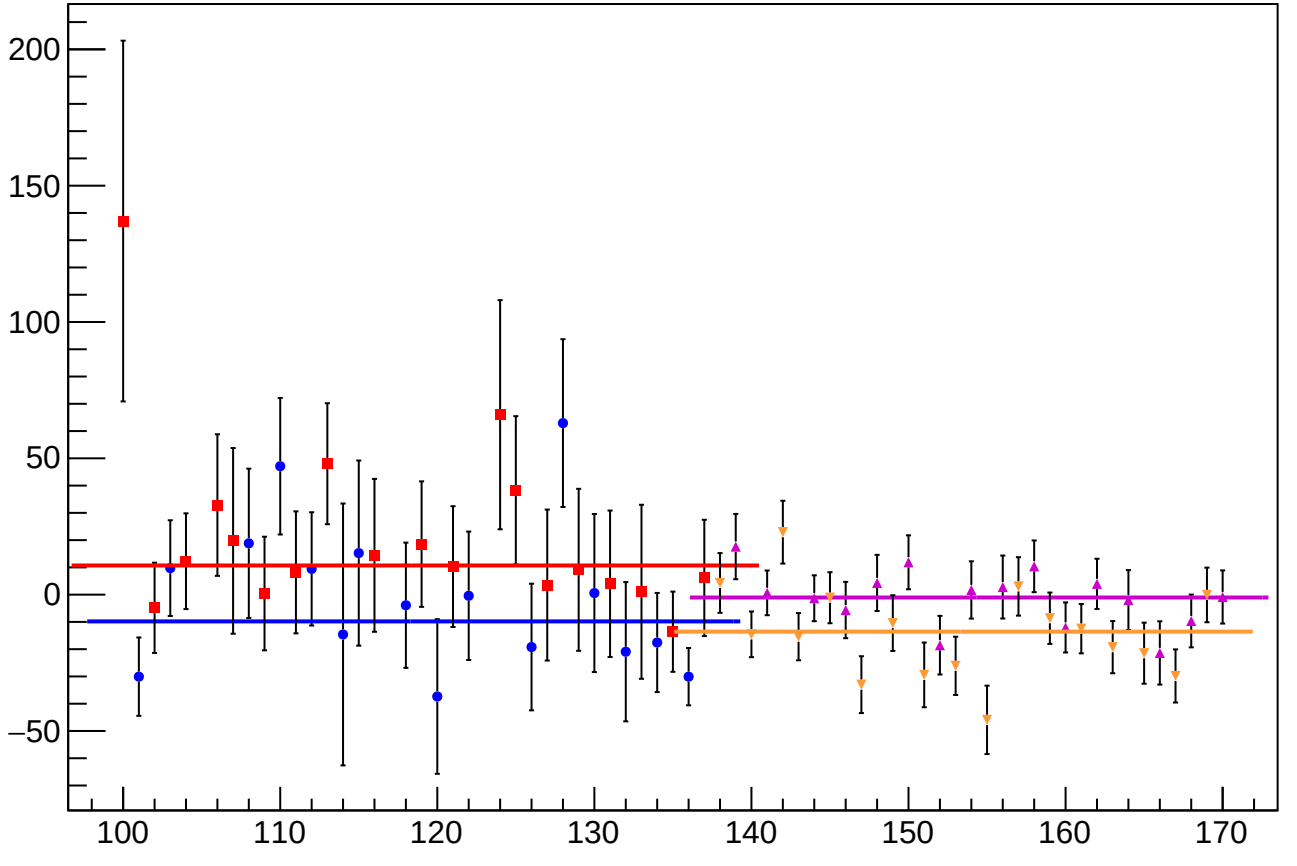
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6457.660+/-1.027 χ^2/NDF:1134415.9/31

Out: 6405.114+/-1.008 χ^2/NDF:1157818.2/35

All: 6430.905+/-0.719 χ^2/NDF: 2293567.6/67

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -13.560+/-2.443 χ^2/NDF:36.0/16

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: -1.040+/-2.485 χ^2/NDF:14.5/15

Left: -7.407+/-1.742 χ^2/NDF: 63.5/32

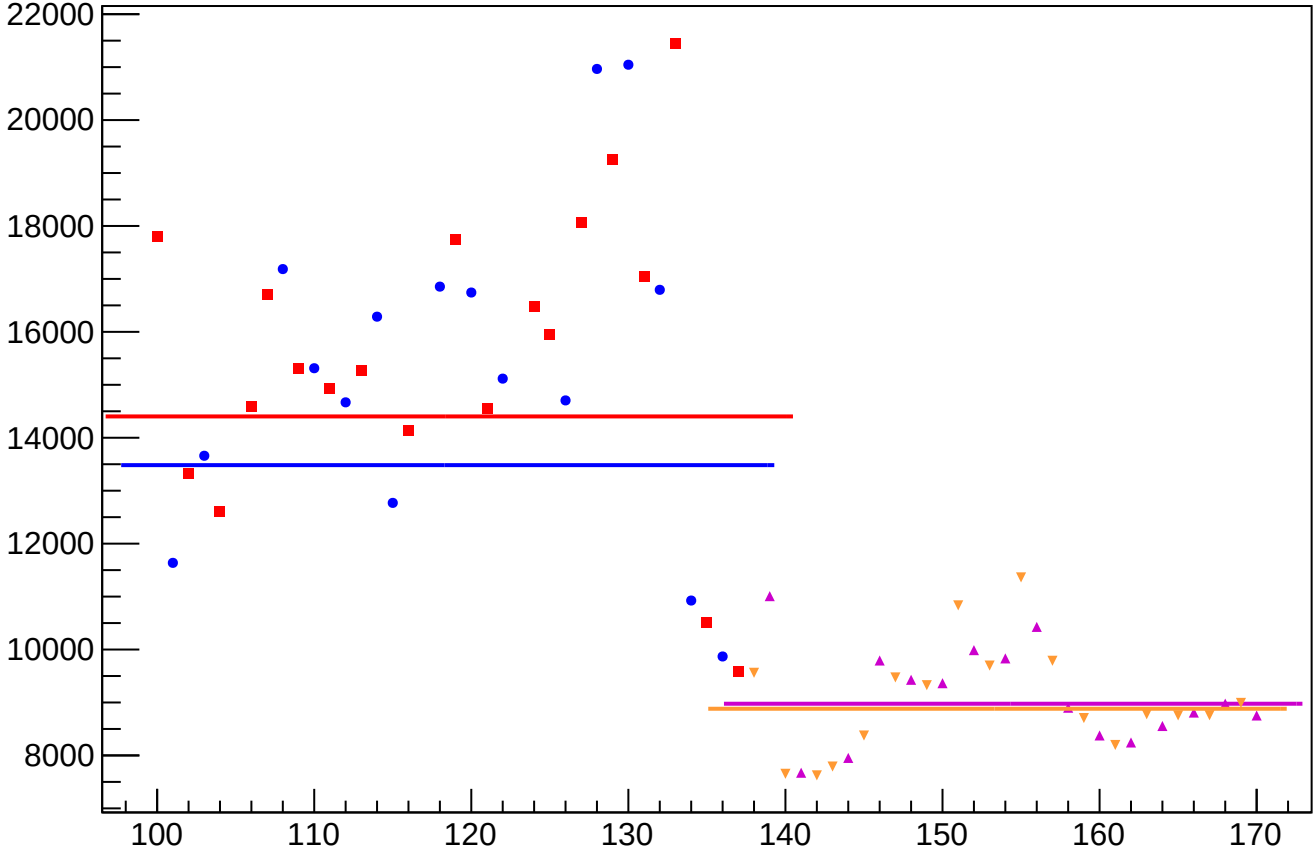
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.682+/-2.241 χ^2/NDF:38.9/31

Out: -9.412+/-2.225 χ^2/NDF:67.2/35

All: -6.071+/-1.579 χ^2/NDF: 110.6/67

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8881.668+/-1.728 χ^2/NDF:293863.3/16

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8976.455+/-1.757 χ^2/NDF:245452.1/15

Left: 8928.256+/-1.232 χ^2/NDF: 540794.7/32

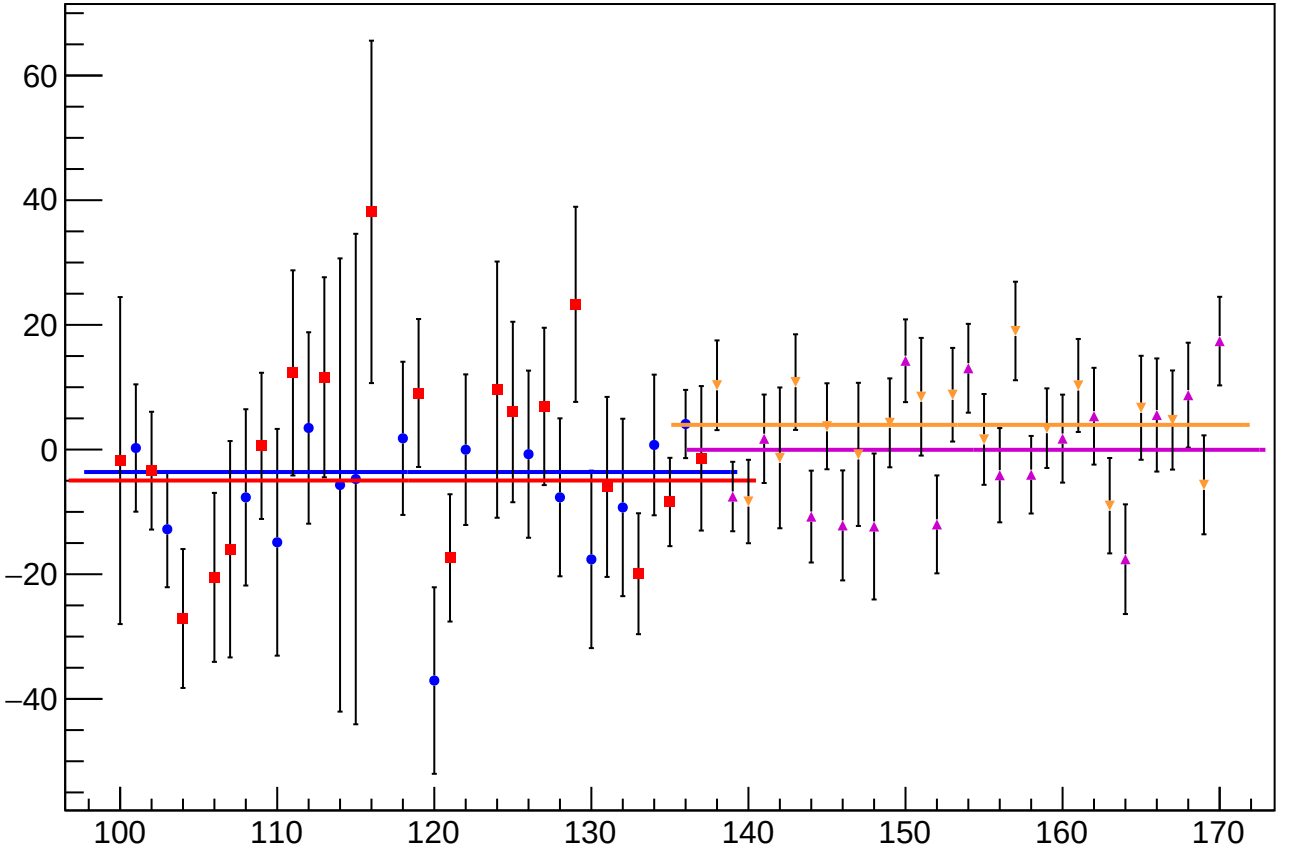
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9820.181+/-1.584 χ^2/NDF:2220357.9/31

Out: 9825.528+/-1.573 χ^2/NDF:2592048.6/35

All: 9822.873+/-1.116 χ^2/NDF: 4812412.2/67

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.963+/-1.876 χ^2/NDF:14.9/16

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -0.040+/-1.863 χ^2/NDF:30.0/15

Left: 1.947+/-1.322 χ^2/NDF: 47.2/32

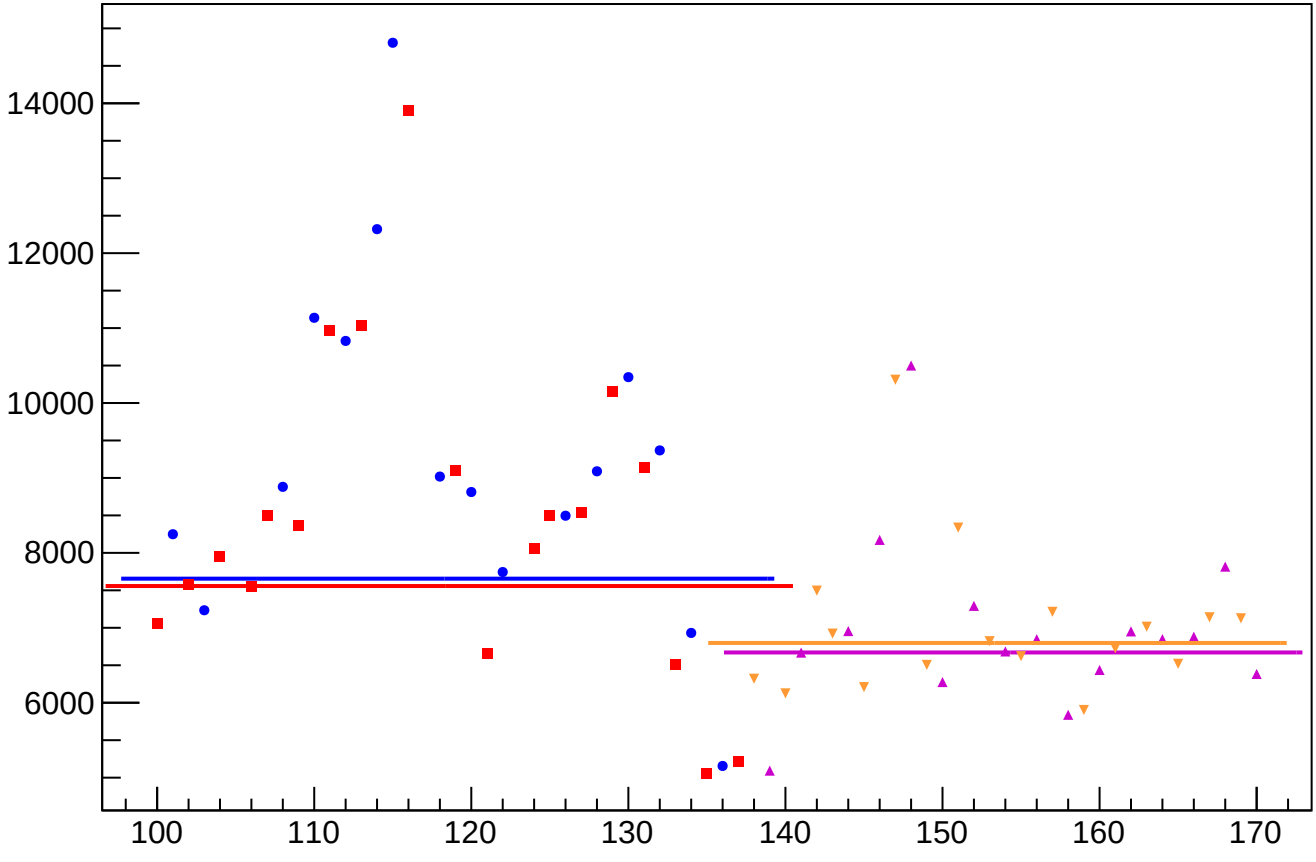
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -1.061+/-1.573 χ^2/NDF:41.5/31

Out: 1.271+/-1.568 χ^2/NDF:43.1/35

All: 0.109+/-1.111 χ^2/NDF: 85.8/67

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6797.669+/-1.326 χ^2/NDF:352799.6/16

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6670.804+/-1.317 χ^2/NDF:538688.5/15

Left: 6733.791+/-0.935 χ^2/NDF: 896094.5/32

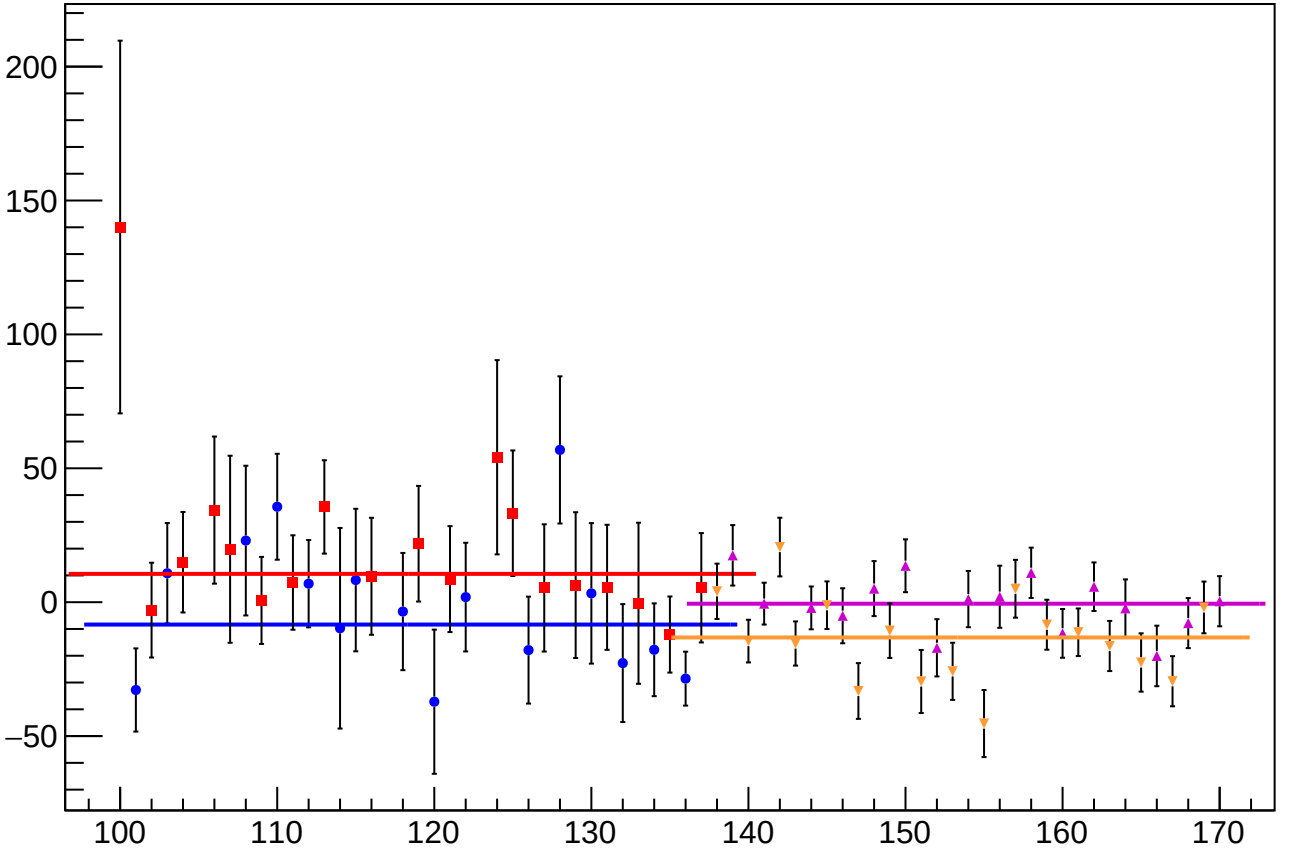
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6952.948+/-1.113 χ^2/NDF:1578673.4/31

Out: 7026.717+/-1.109 χ^2/NDF:1261587.6/35

All: 6989.966+/-0.785 χ^2/NDF: 2842467.1/67

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -13.173+/-2.379 χ^2/NDF:36.3/16

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: -0.571+/-2.432 χ^2/NDF:14.7/15

Left: -7.011+/-1.700 χ^2/NDF: 64.7/32

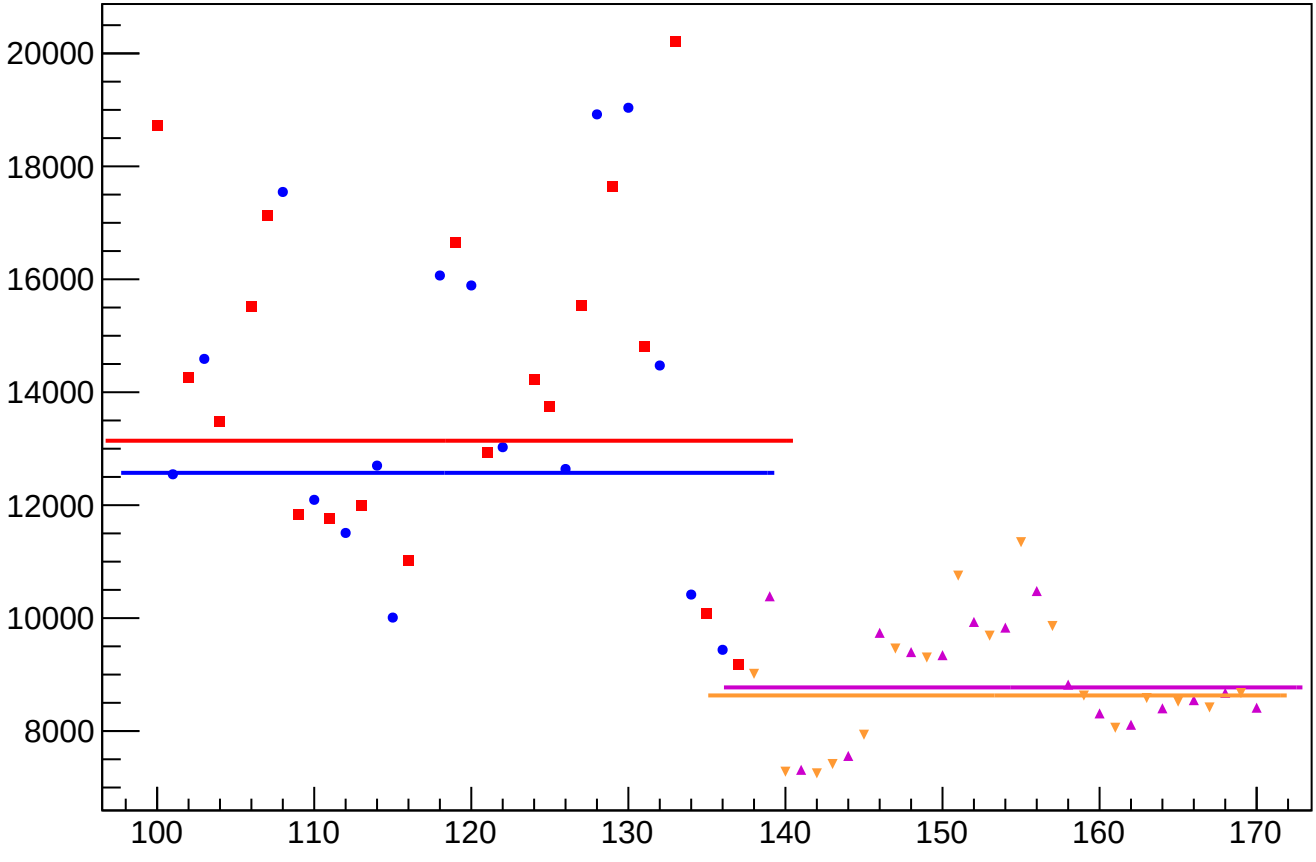
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.153+/-2.171 χ^2/NDF:40.0/31

Out: -8.660+/-2.141 χ^2/NDF:68.1/35

All: -5.452+/-1.524 χ^2/NDF: 112.7/67

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8630.622+/-1.682 χ^2/NDF:382920.0/16

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8772.848+/-1.720 χ^2/NDF:297702.1/15

Left: 8700.164+/-1.202 χ^2/NDF: 684118.2/32

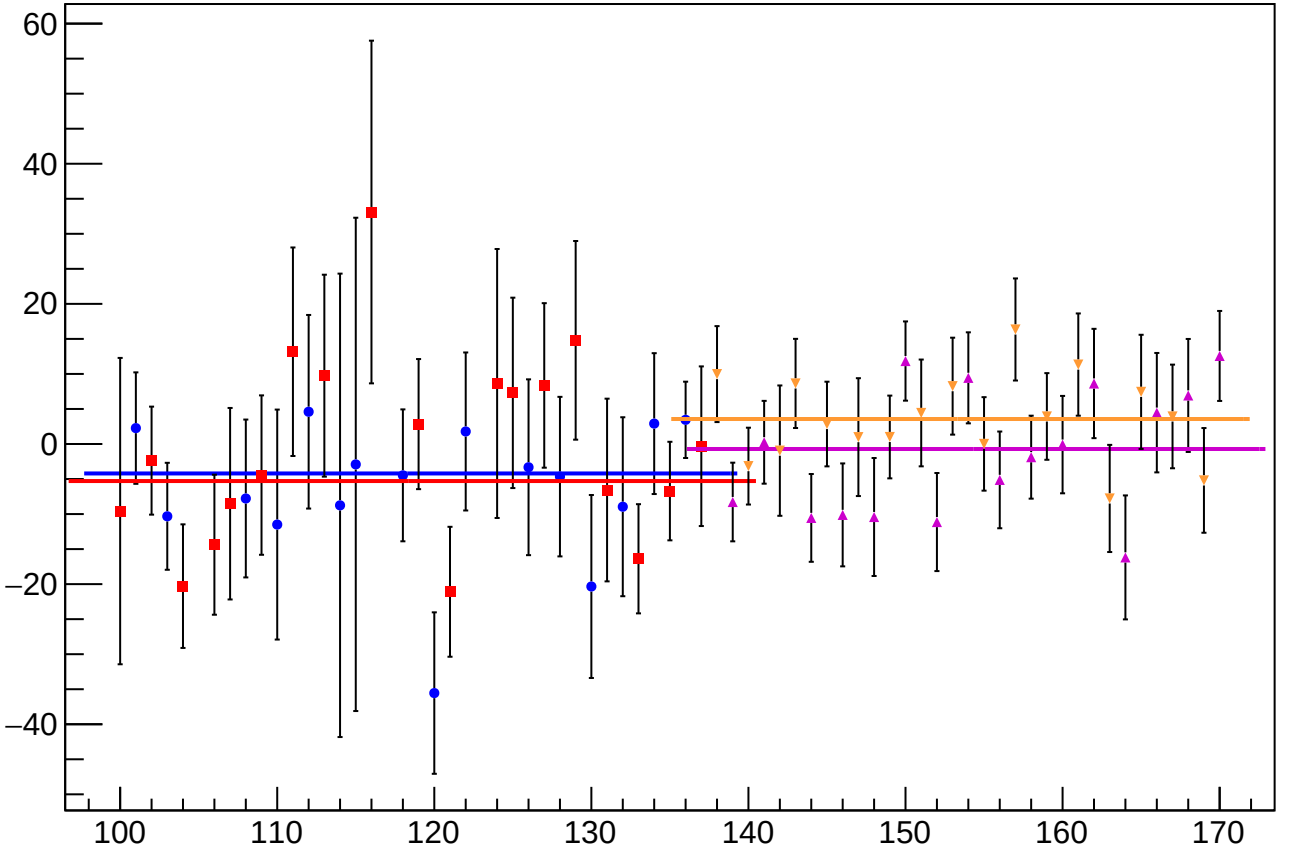
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9545.409+/-1.535 χ^2/NDF:1955514.0/31

Out: 9487.768+/-1.514 χ^2/NDF:2284264.6/35

All: 9516.190+/-1.078 χ^2/NDF: 4240493.5/67

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.567+/-1.681 χ^2/NDF:12.3/16

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.713+/-1.698 χ^2/NDF:27.4/15

Left: 1.448+/-1.195 χ^2/NDF: 42.9/32

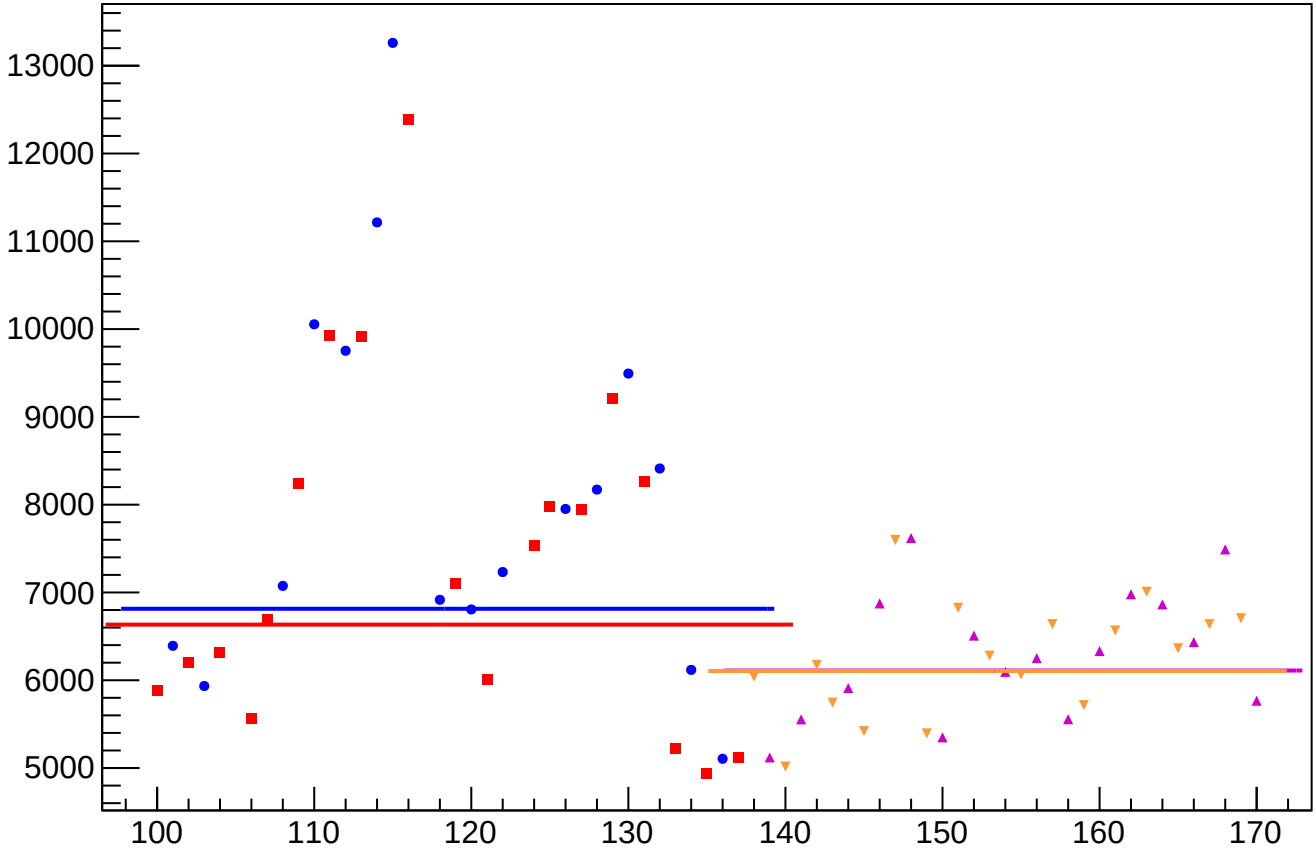
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.757+/-1.422 χ^2/NDF:42.5/31

Out: 0.812+/-1.395 χ^2/NDF:40.7/35

All: -0.448+/-0.996 χ^2/NDF: 84.8/67

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6104.644+/-1.189 χ^2/NDF:302151.2/16

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6110.751+/-1.201 χ^2/NDF:337401.4/15

Left: 6107.666+/-0.845 χ^2/NDF: 639565.7/32

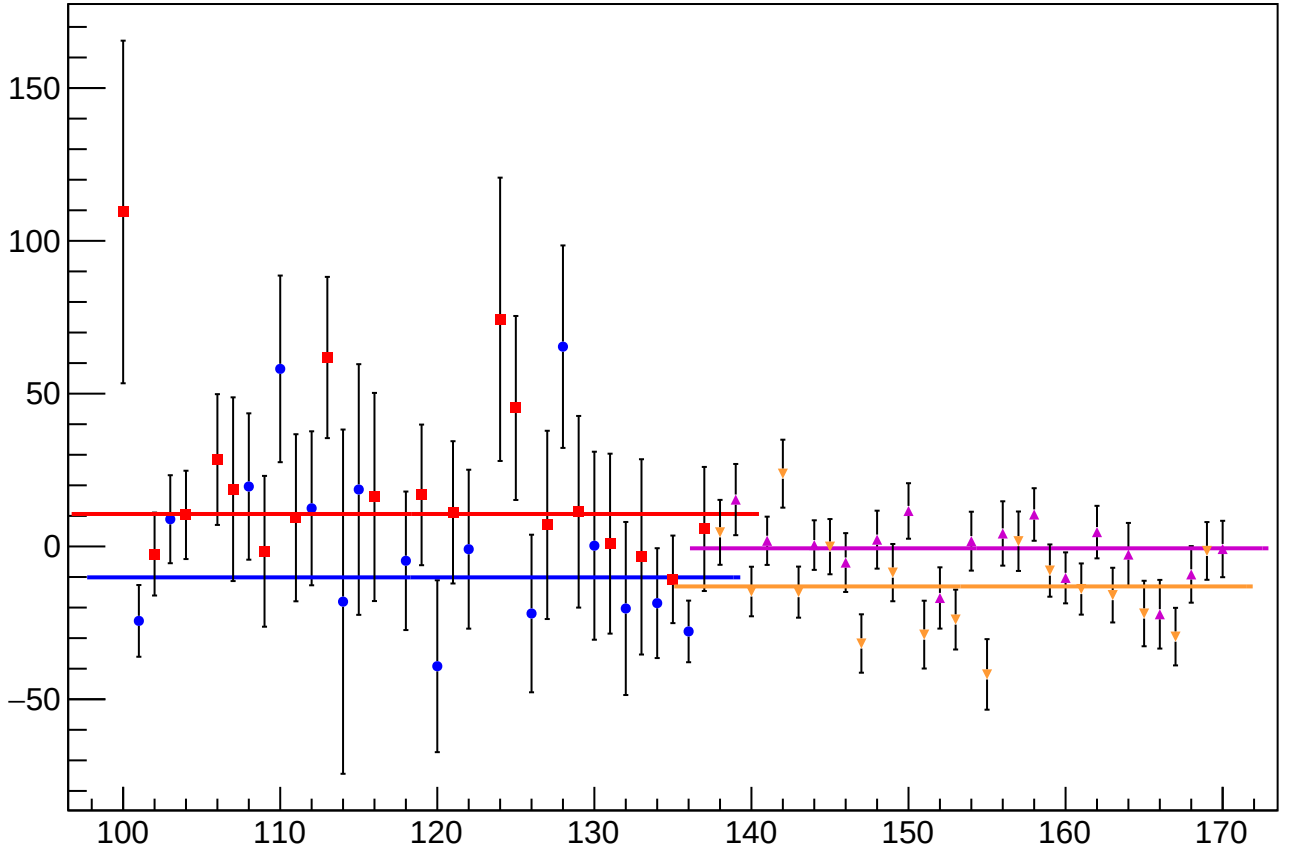
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6321.114+/-1.005 χ^2/NDF:1114117.7/31

Out: 6269.224+/-0.987 χ^2/NDF:1127103.4/35

All: 6294.682+/-0.704 χ^2/NDF: 2242577.8/67

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.082+/-2.299 χ^2/NDF:37.5/16

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -0.609+/-2.328 χ^2/NDF:15.0/15

Left: -6.925+/-1.636 χ^2/NDF: 67.0/32

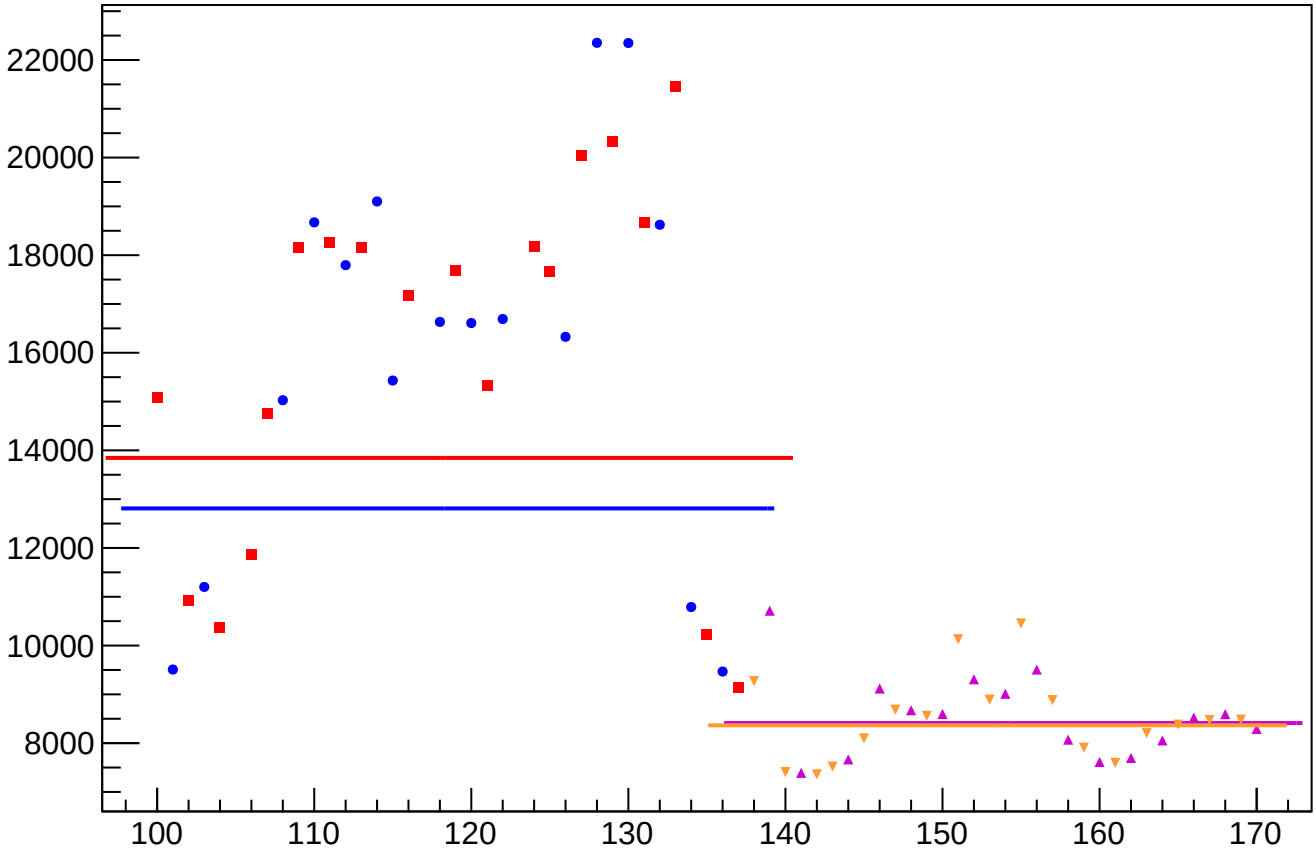
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.293+/-2.112 χ^2/NDF:39.2/31

Out: -9.301+/-2.107 χ^2/NDF:69.2/35

All: -5.804+/-1.492 χ^2/NDF: 113.9/67

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8365.320+/-1.625 χ^2/NDF:235307.5/16

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8411.668+/-1.646 χ^2/NDF:225912.1/15

Left: 8388.197+/-1.157 χ^2/NDF: 461620.9/32

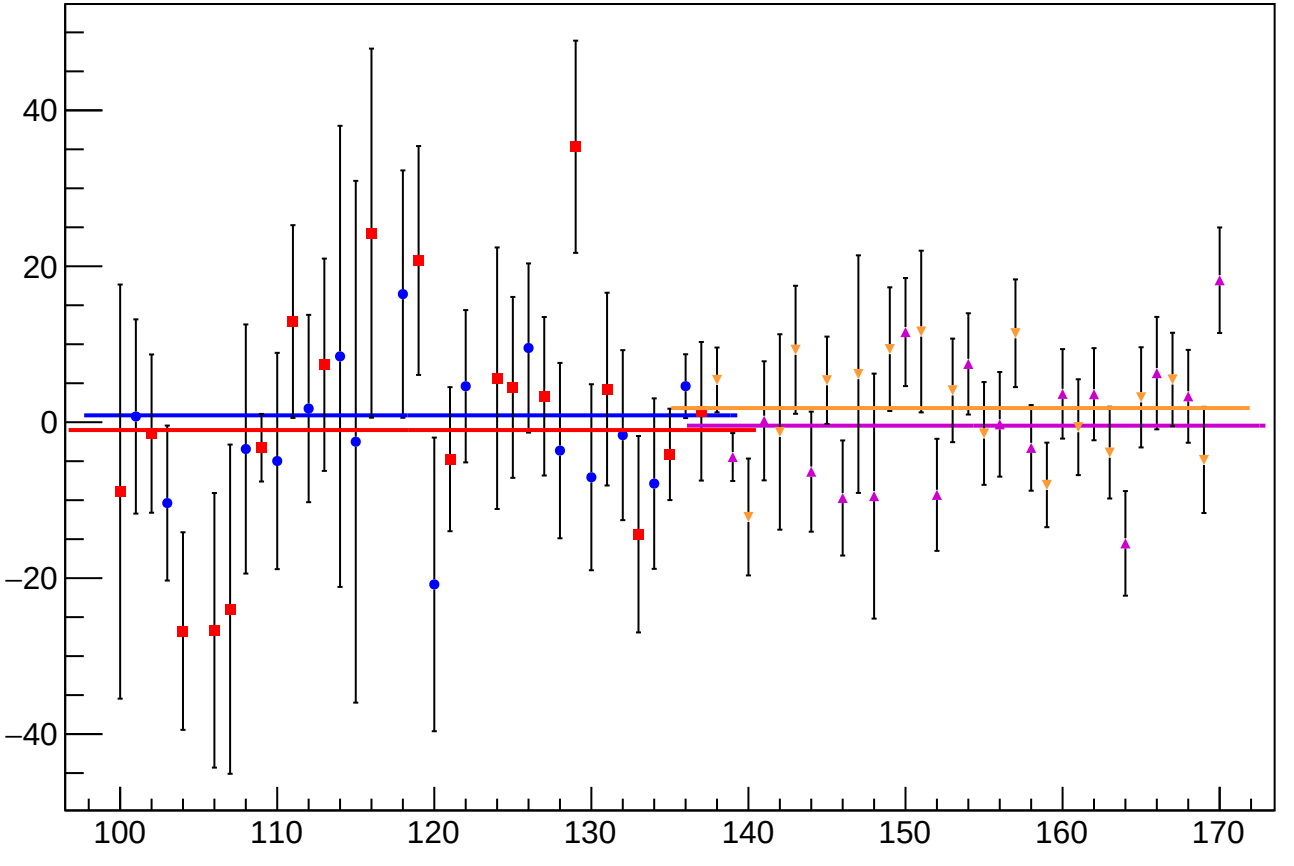
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9191.005+/-1.493 χ^2/NDF:2738814.7/31

Out: 9239.404+/-1.490 χ^2/NDF:3145114.4/35

All: 9215.258+/-1.055 χ^2/NDF: 5884455.4/67

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.815+/-1.605 χ^2/NDF:15.5/16

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.443+/-1.521 χ^2/NDF:25.4/15

Left: 0.626+/-1.104 χ^2/NDF: 41.9/32

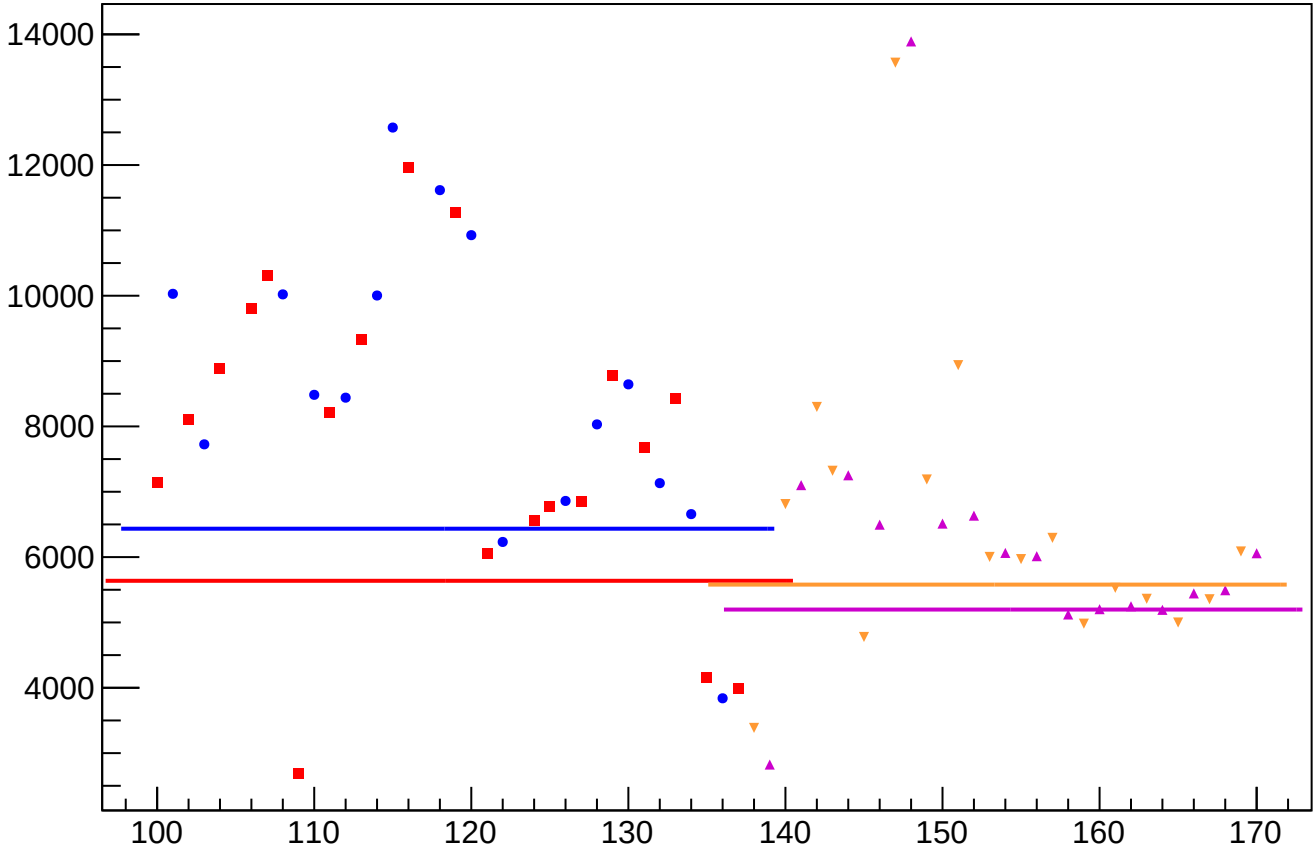
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.098+/-1.309 χ^2/NDF:32.4/31

Out: 0.899+/-1.319 χ^2/NDF:38.8/35

All: 0.396+/-0.929 χ^2/NDF: 71.5/67

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5579.056+/-1.135 χ^2/NDF:1772245.2/16

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5197.281+/-1.076 χ^2/NDF:2390858.4/15

Left: 5377.907+/-0.781 χ^2/NDF: 4222700.3/32

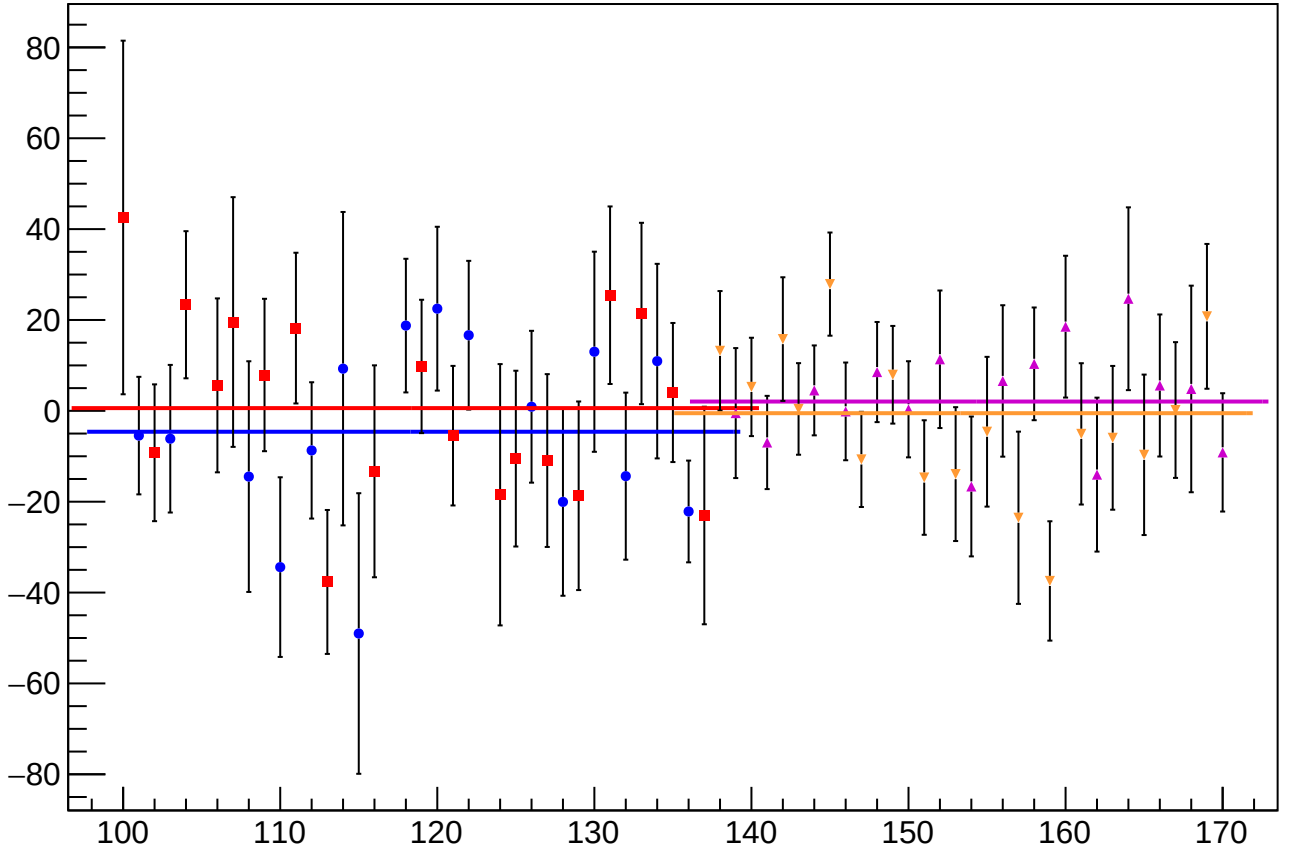
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5519.037+/-0.925 χ^2/NDF:4485523.2/31

Out: 5597.996+/-0.933 χ^2/NDF:4353115.5/35

All: 5558.204+/-0.657 χ^2/NDF: 8842250.7/67

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.518+/-3.195 χ^2/NDF:24.4/16

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.046+/-3.314 χ^2/NDF:7.7/15

Left: 0.717+/-2.300 χ^2/NDF: 32.5/32

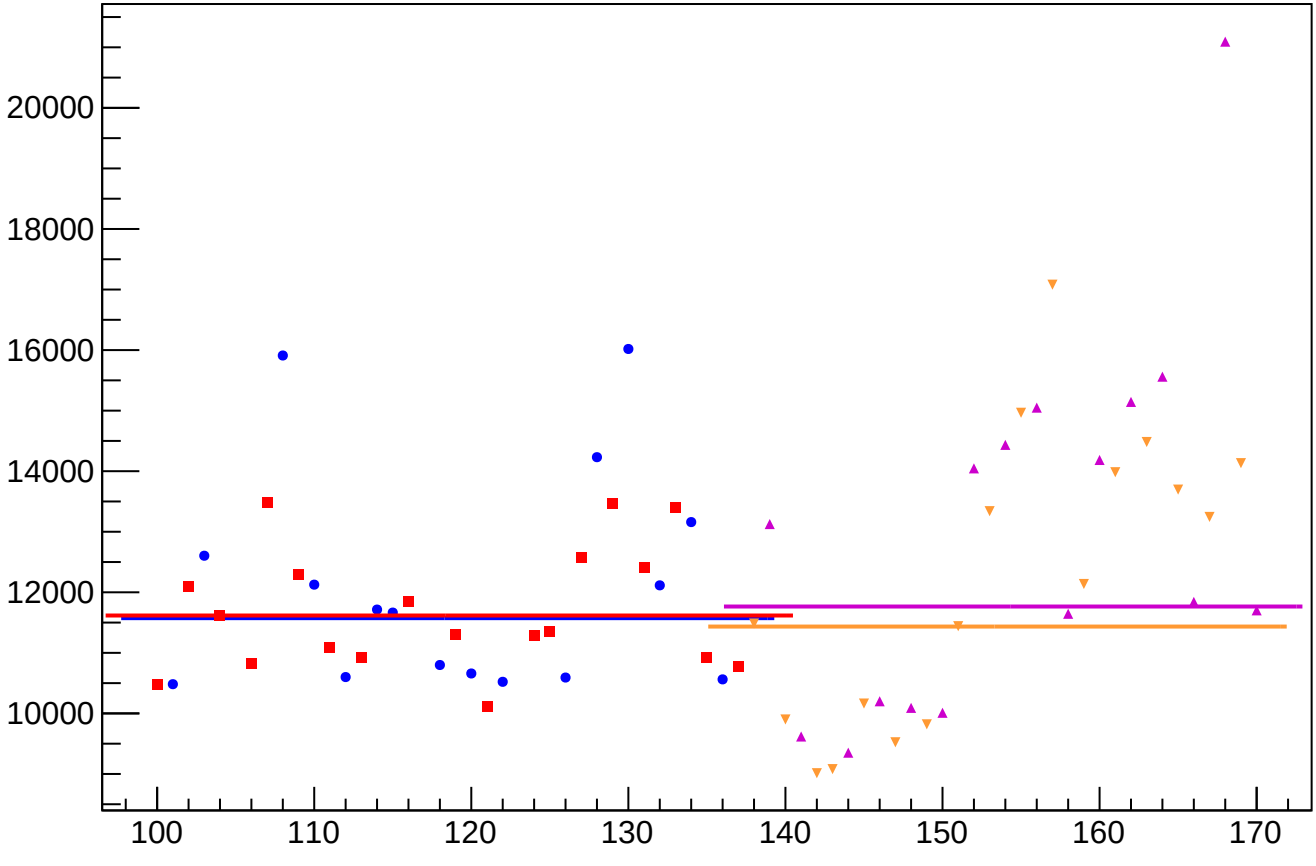
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.392+/-2.637 χ^2/NDF:25.0/31

Out: -0.116+/-2.557 χ^2/NDF:42.4/35

All: -0.250+/-1.836 χ^2/NDF: 67.4/67

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11434.280+/-2.259 χ^2/NDF:905098.5/16

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11765.195+/-2.343 χ^2/NDF:1087061.9/15

Left: 11593.688+/-1.626 χ^2/NDF: 2002497.0/32

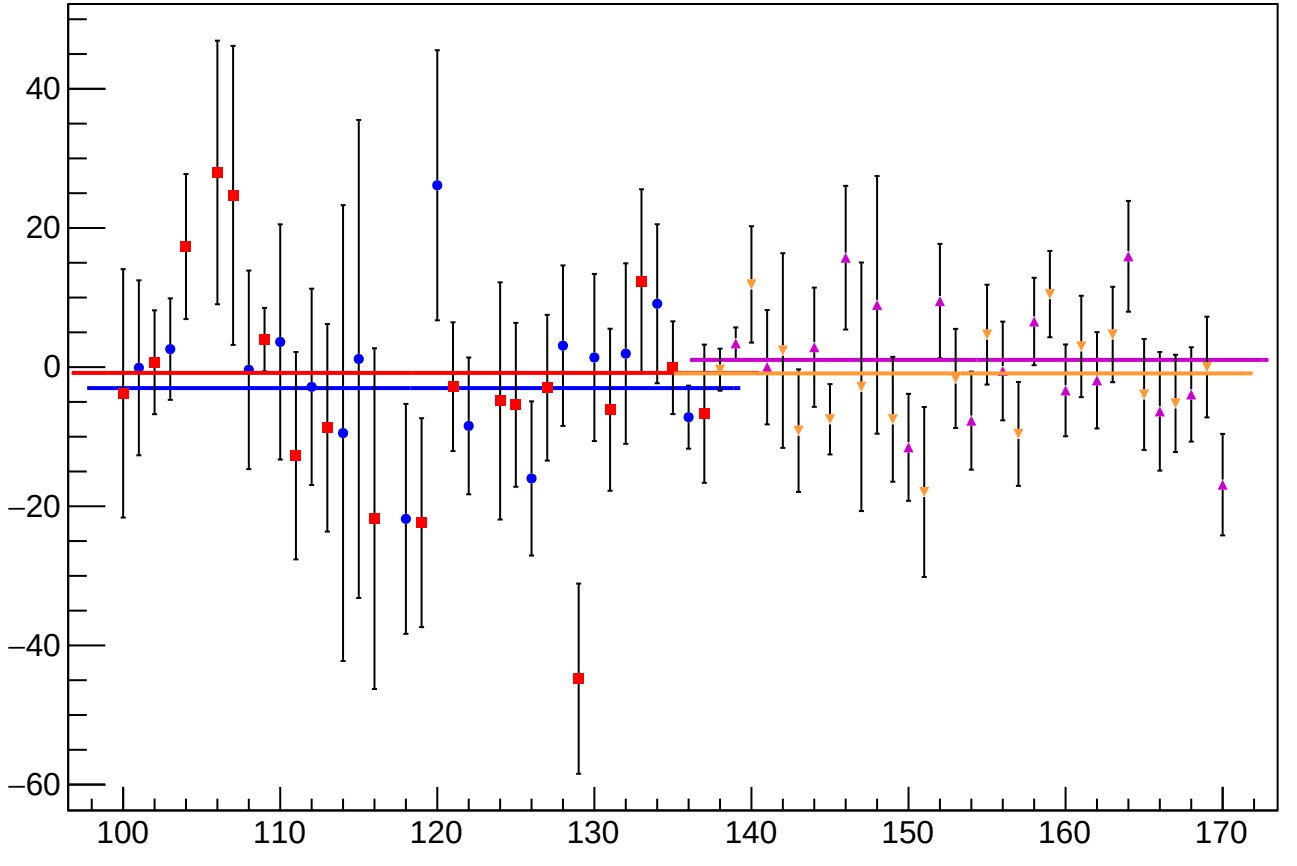
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11694.741+/-1.865 χ^2/NDF:1349594.2/31

Out: 11499.843+/-1.808 χ^2/NDF:1000608.6/35

All: 11594.298+/-1.298 χ^2/NDF: 2355832.8/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.902+/-1.618 χ^2/NDF:14.3/16

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 1.040+/-1.501 χ^2/NDF:20.9/15

Left: 0.142+/-1.100 χ^2/NDF: 36.0/32

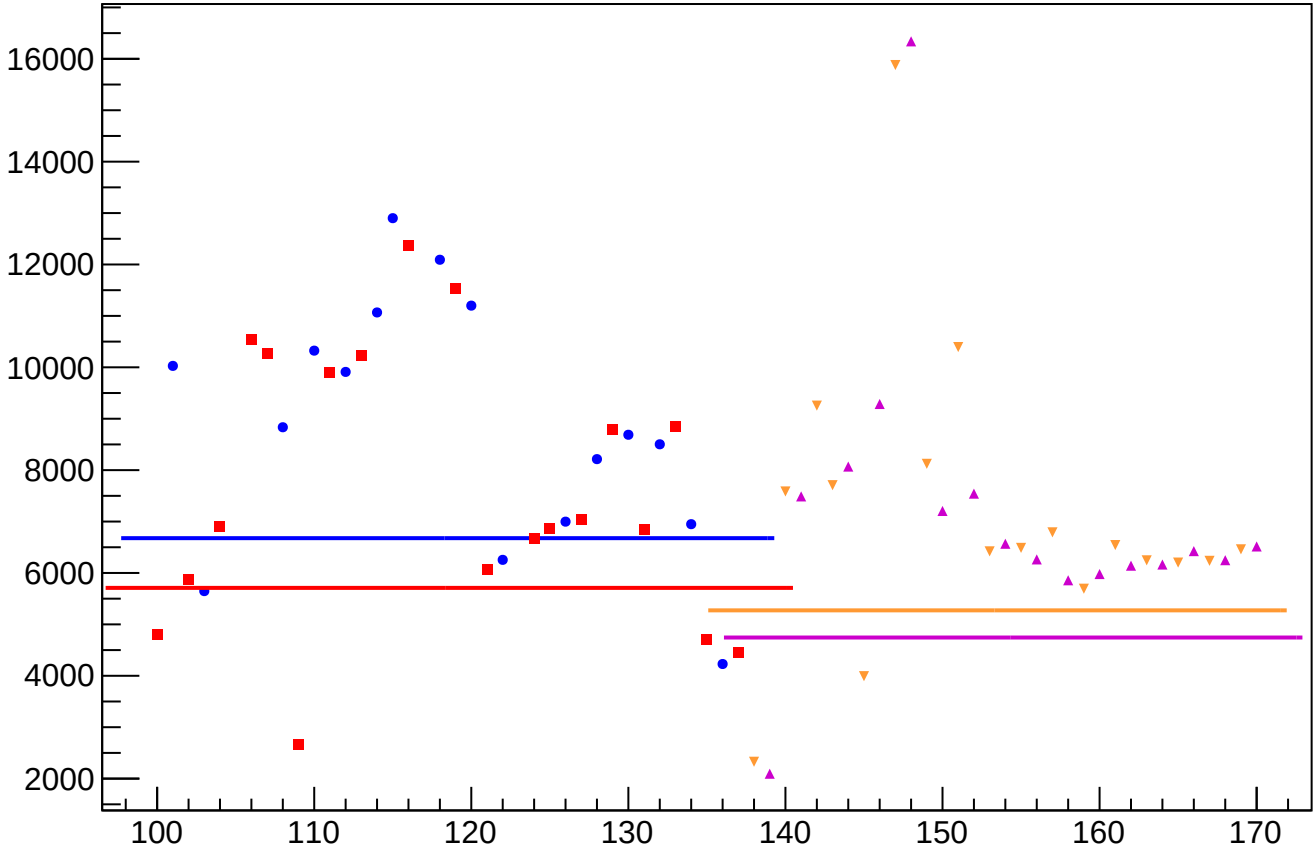
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.057+/-1.306 χ^2/NDF:31.3/31

Out: -0.879+/-1.333 χ^2/NDF:38.2/35

All: -0.401+/-0.933 χ^2/NDF: 69.7/67

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5272.682+/-1.144 χ^2/NDF:4180048.1/16

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4744.311+/-1.061 χ^2/NDF:5629773.1/15

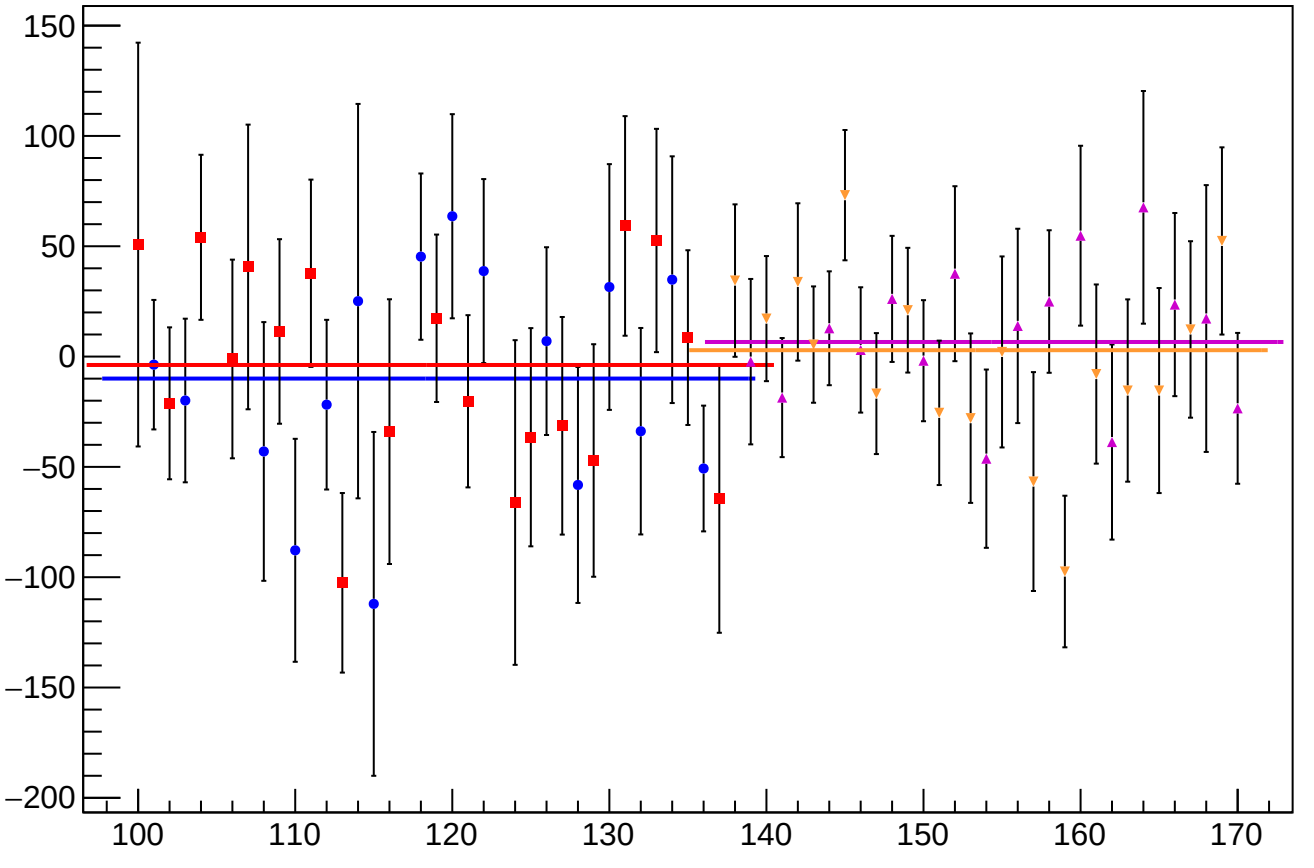
Left: 4988.622+/-0.778 χ^2/NDF: 9924458.6/32

Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5212.532+/-0.924 χ^2/NDF:8006236.1/31

Out: 5413.154+/-0.943 χ^2/NDF:6527989.3/35

All: 5310.810+/-0.660 χ^2/NDF: 14557333.6/6



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.889+/-8.371 χ^2/NDF:21.6/16

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.607+/-8.676 χ^2/NDF:9.0/15

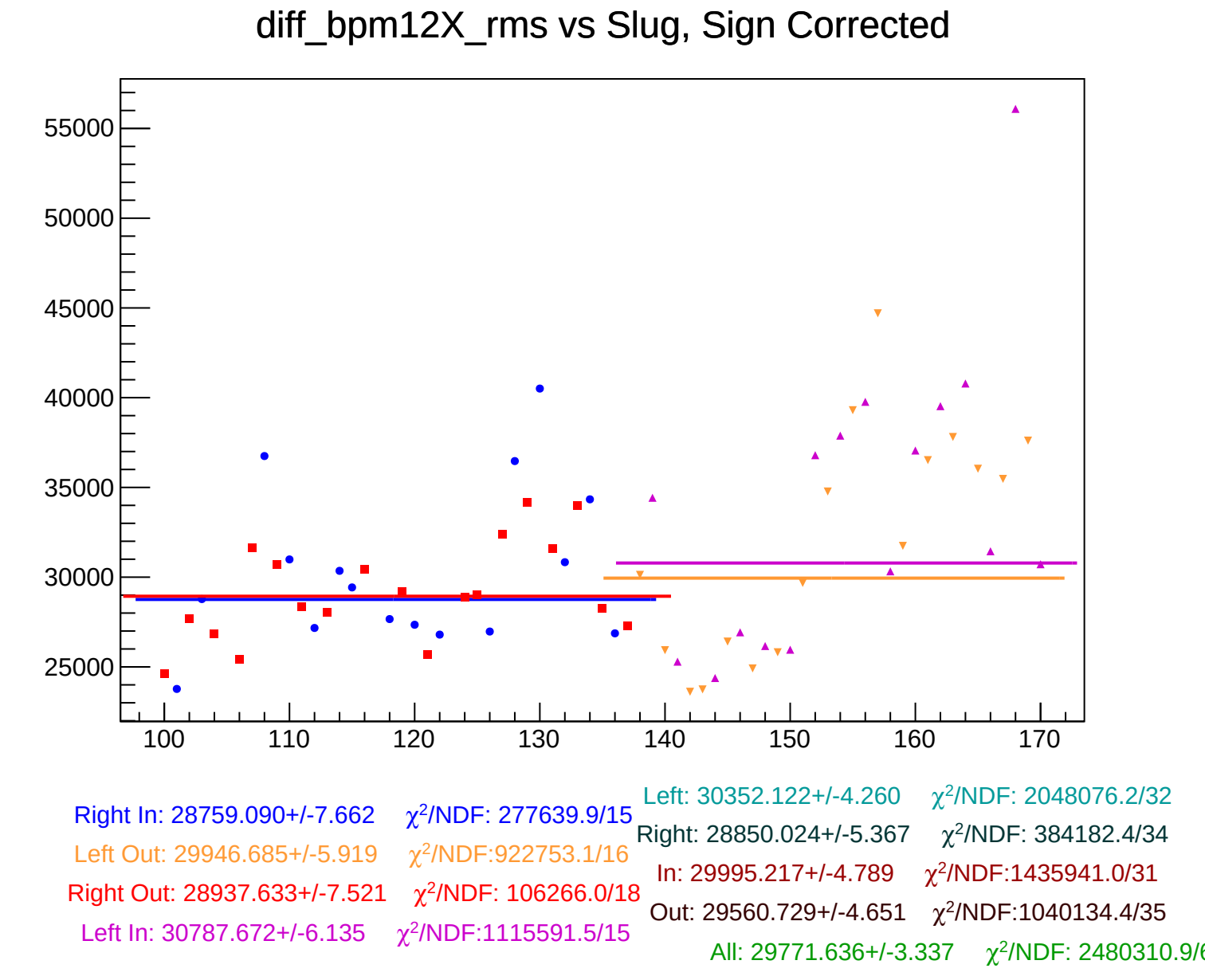
Left: 4.682+/-6.024 χ^2/NDF: 30.7/32

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

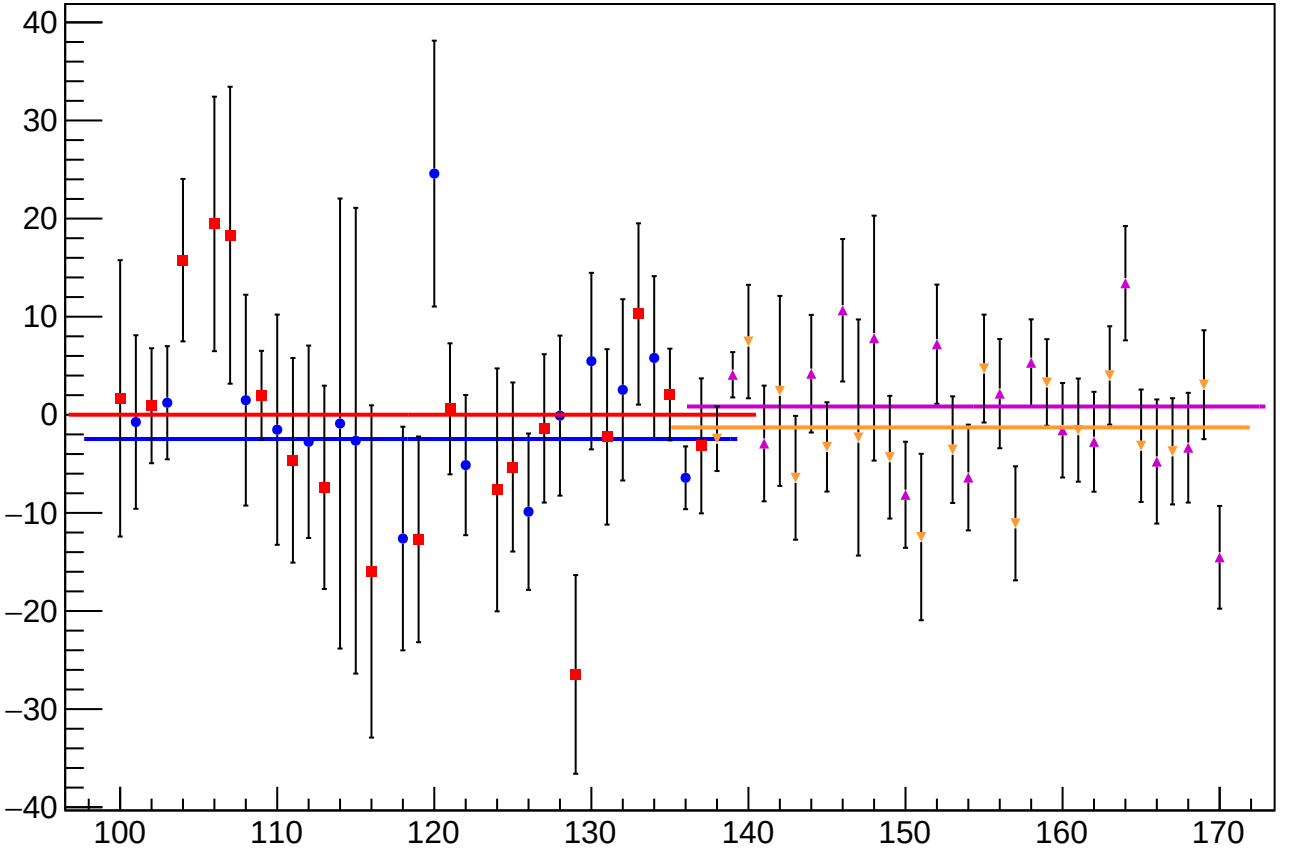
In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 0.325+/-6.578 χ^2/NDF:39.2/35

All: 0.231+/-4.719 χ^2/NDF: 64.9/67


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29946.685+/-5.919 χ²/NDF:922753.1/16
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30787.672+/-6.135 χ²/NDF:1115591.5/15
Left: 30352.122+/-4.260 χ²/NDF: 2048076.2/32
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29995.217+/-4.789 χ²/NDF:1435941.0/31
Out: 29560.729+/-4.651 χ²/NDF:1040134.4/35
All: 29771.636+/-3.337 χ²/NDF: 2480310.9/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.287+/-1.320 χ^2/NDF:12.7/16

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.845+/-1.237 χ^2/NDF:26.9/15

Left: -0.152+/-0.903 χ^2/NDF: 41.0/32

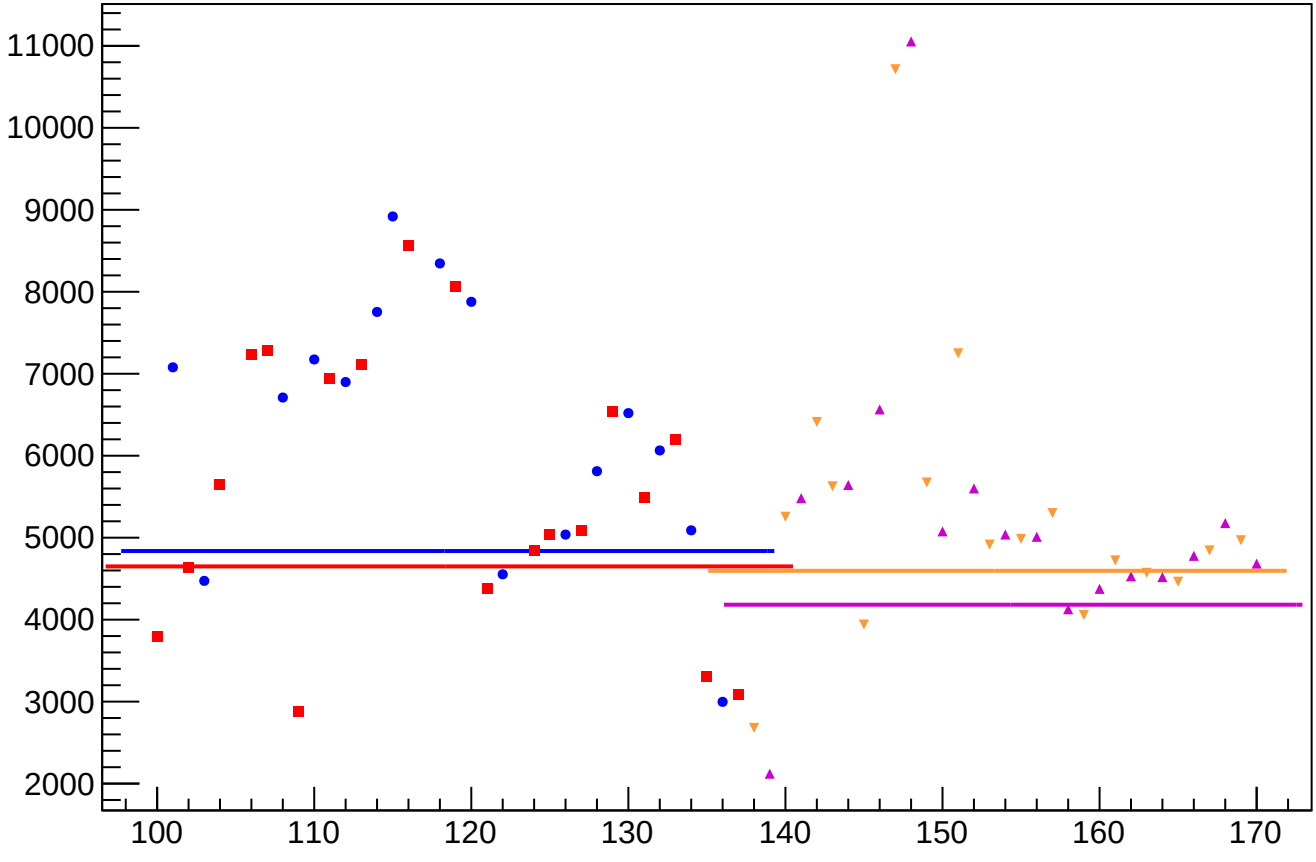
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.130+/-1.039 χ^2/NDF:39.1/31

Out: -0.842+/-1.070 χ^2/NDF:33.0/35

All: -0.476+/-0.746 χ^2/NDF: 72.3/67

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4596.159+/-0.934 χ^2/NDF:1732239.7/16

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4182.248+/-0.875 χ^2/NDF:3009789.2/15

Left: 4375.739+/-0.638 χ^2/NDF: 4846672.9/32

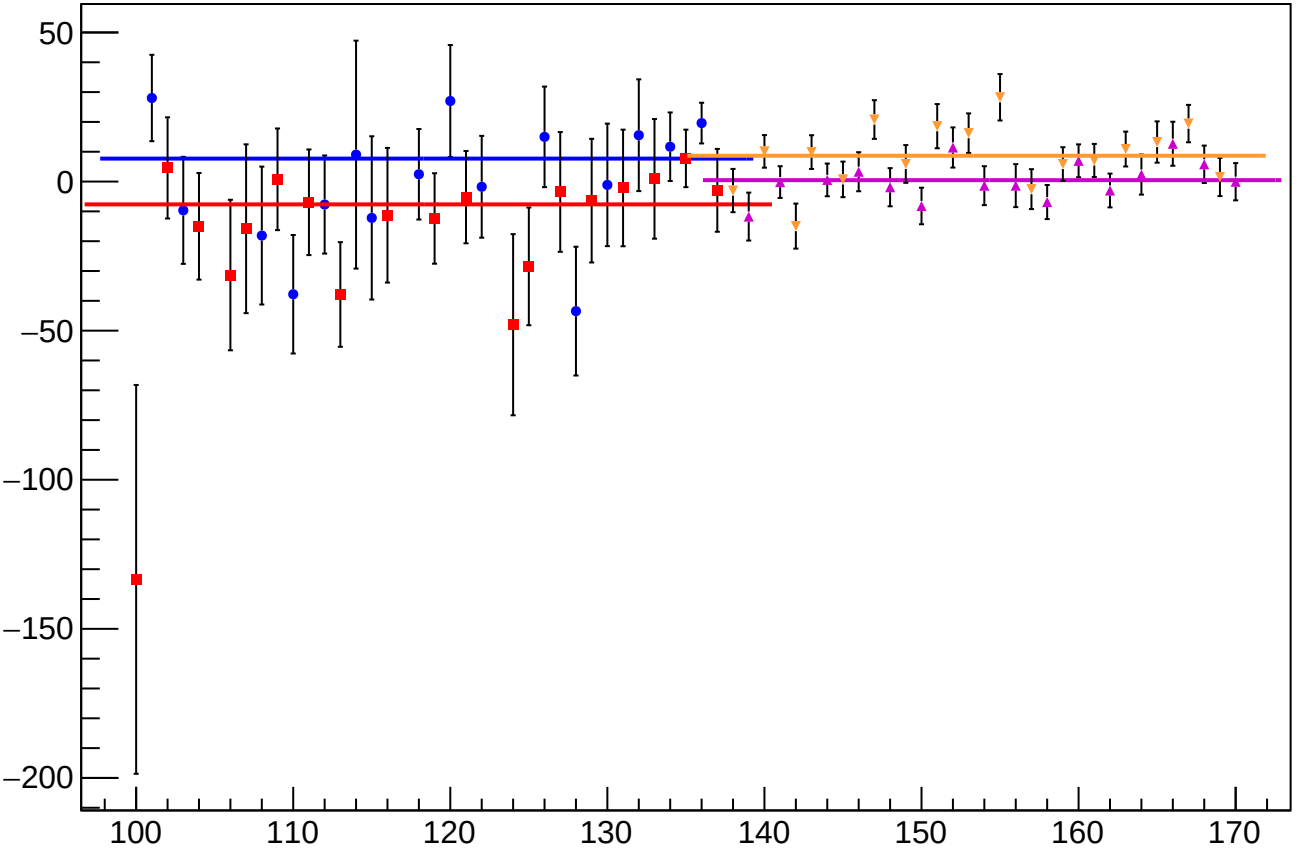
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4375.021+/-0.735 χ^2/NDF:4722518.2/31

Out: 4614.486+/-0.757 χ^2/NDF:3167912.0/35

All: 4491.218+/-0.527 χ^2/NDF: 7941952.2/67

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.656+/-1.540 χ^2/NDF:35.3/16

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.468+/-1.563 χ^2/NDF:14.4/15

Left: 4.623+/-1.097 χ^2/NDF: 63.6/32

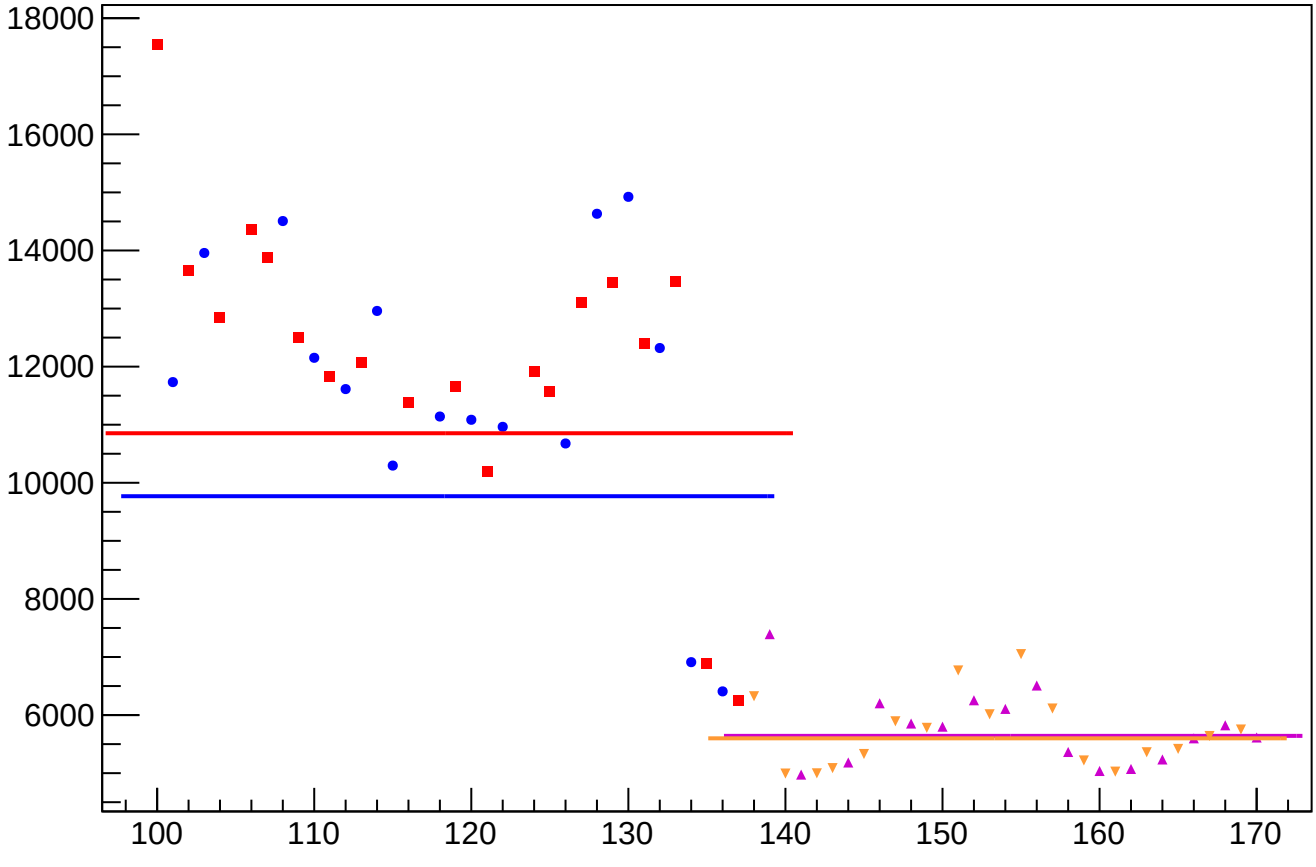
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.505+/-1.447 χ^2/NDF:39.1/31

Out: 6.640+/-1.441 χ^2/NDF:63.7/35

All: 4.082+/-1.021 χ^2/NDF: 109.1/67

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5599.788+/-1.089 χ^2/NDF:258691.6/16

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5642.068+/-1.105 χ^2/NDF:272270.4/15

Left: 5620.611+/-0.776 χ^2/NDF: 531704.7/32

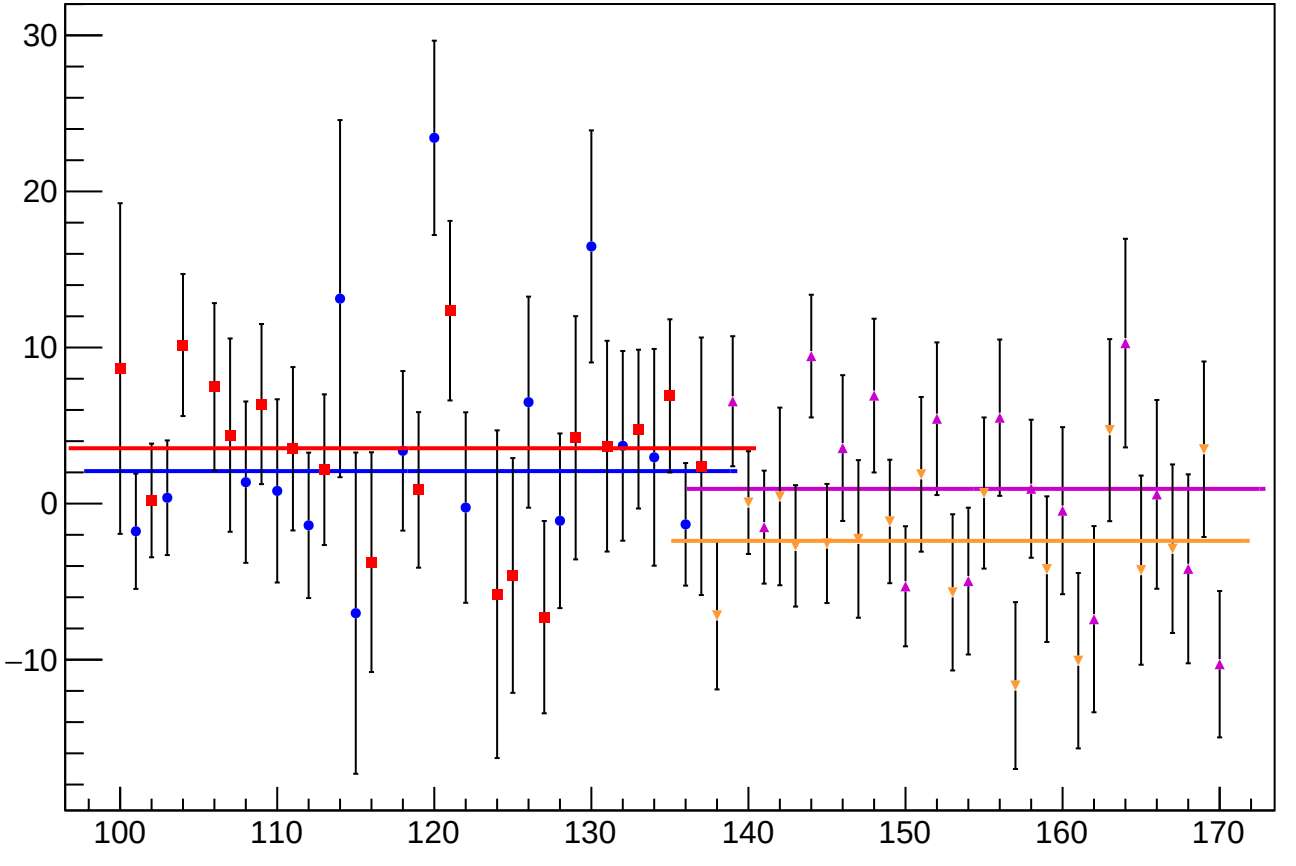
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6233.915+/-1.023 χ^2/NDF:3485507.8/31

Out: 6249.286+/-1.019 χ^2/NDF:4011640.6/35

All: 6241.628+/-0.722 χ^2/NDF: 7497261.7/67

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.387+/-1.144 χ^2/NDF:11.2/16

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.944+/-1.181 χ^2/NDF:25.1/15

Left: -0.774+/-0.822 χ^2/NDF: 40.4/32

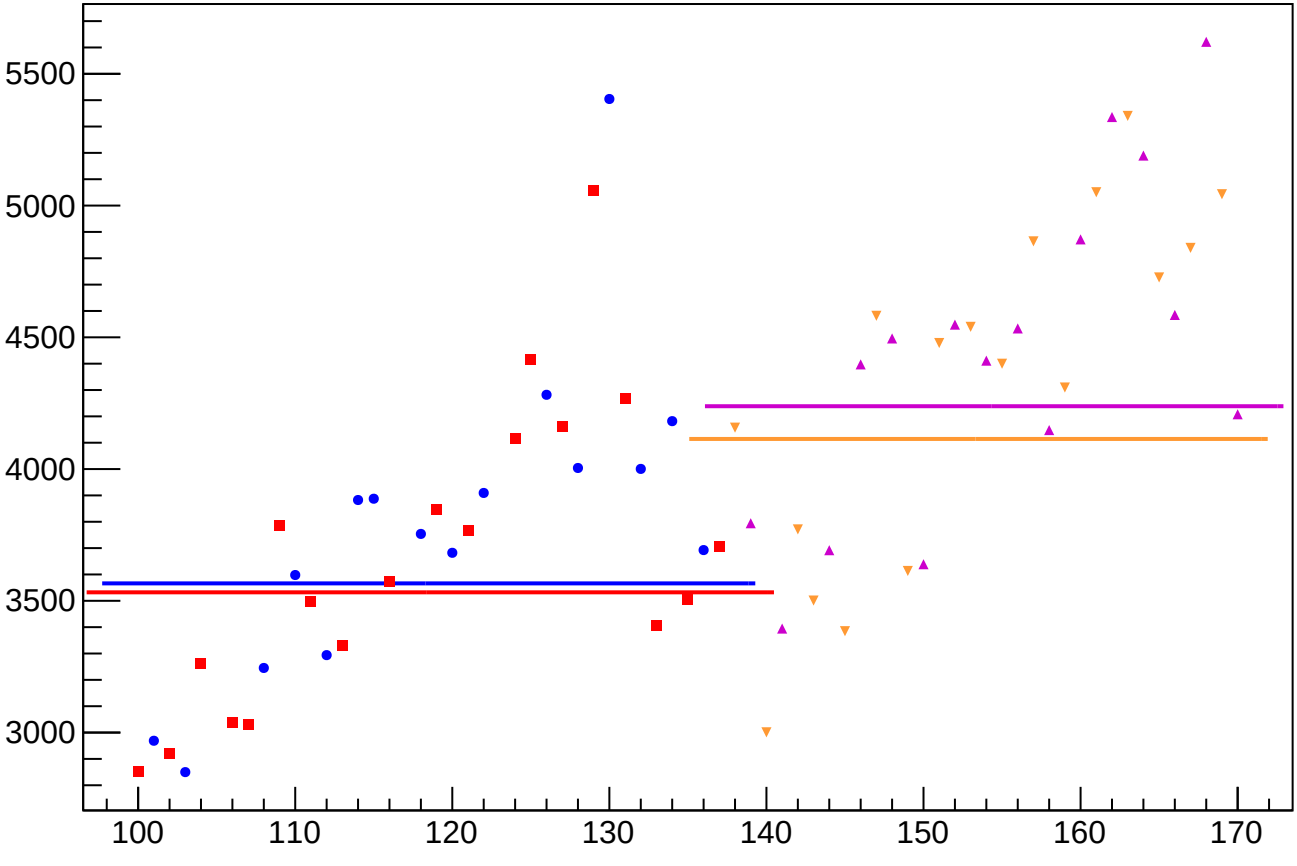
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.440+/-0.888 χ^2/NDF:46.4/31

Out: 0.193+/-0.860 χ^2/NDF:36.3/35

All: 0.797+/-0.618 χ^2/NDF: 83.8/67

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4114.280+/-0.809 χ^2/NDF:738563.7/16

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4238.505+/-0.835 χ^2/NDF:492227.7/15

Left: 4174.410+/-0.581 χ^2/NDF: 1242207.4/32

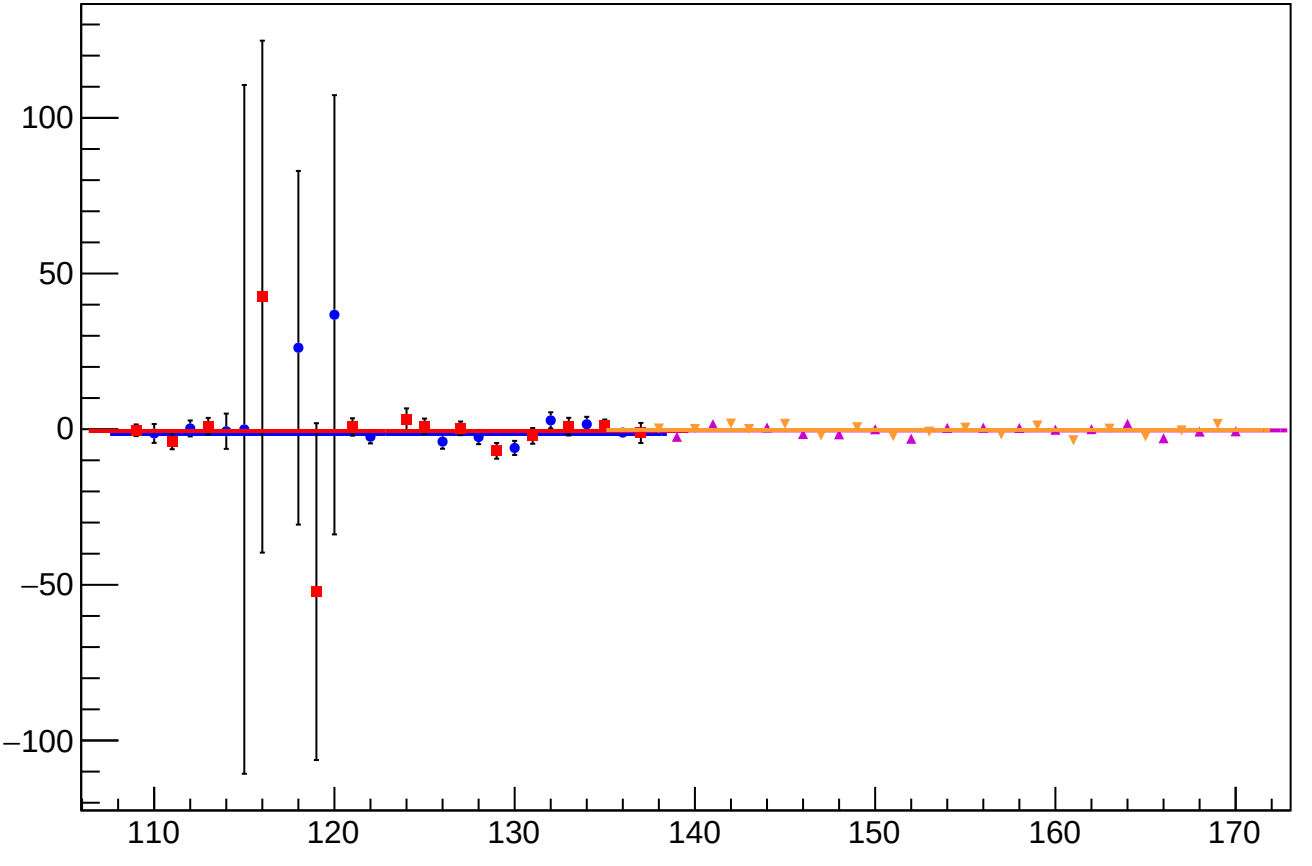
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3945.856+/-0.628 χ^2/NDF:1115450.6/31

Out: 3861.170+/-0.608 χ^2/NDF:1242430.0/35

All: 3902.178+/-0.437 χ^2/NDF: 2367271.7/67

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.255+/-0.278 χ^2/NDF:29.3/16

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.389+/-0.282 χ^2/NDF:24.0/15

Left: -0.321+/-0.198 χ^2/NDF: 53.5/32

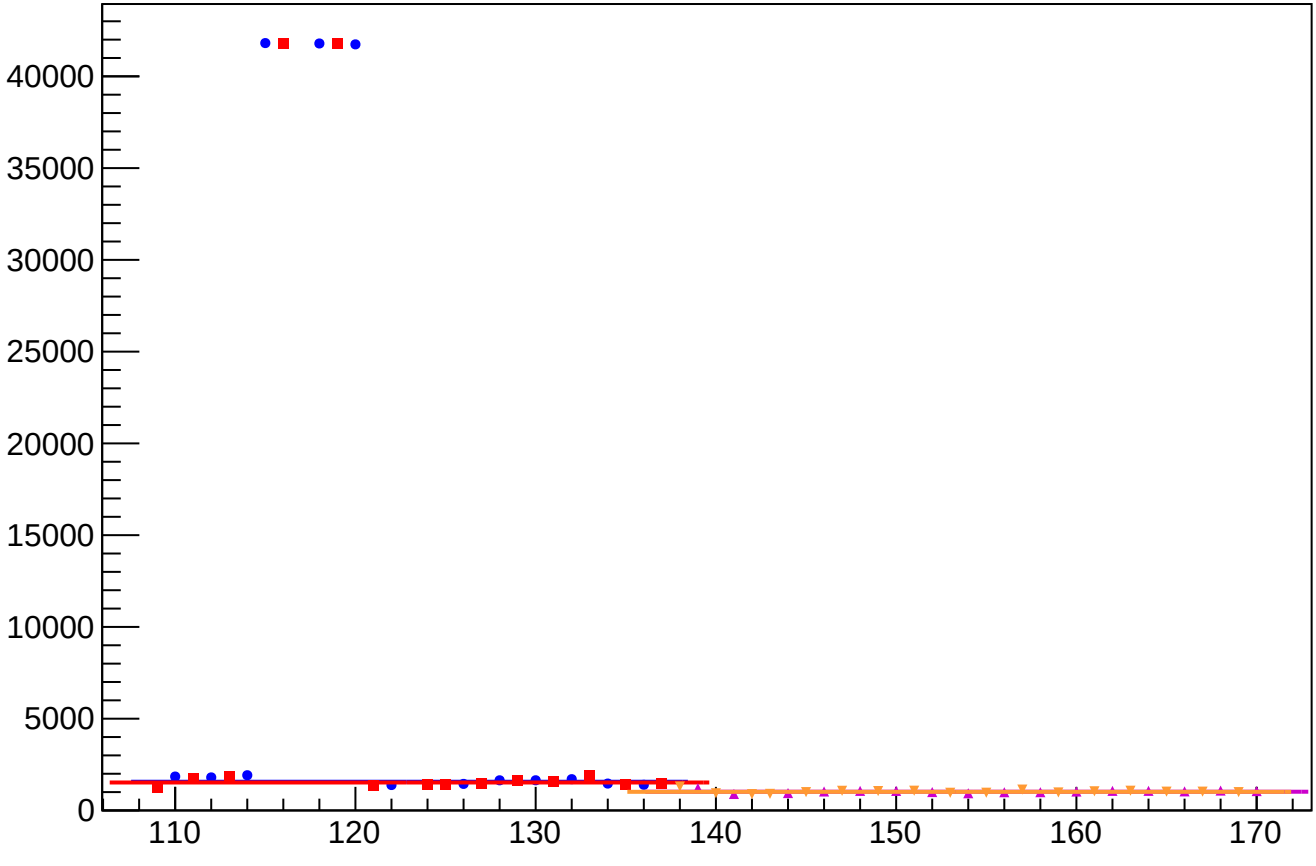
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.537+/-0.263 χ^2/NDF:37.3/28

Out: -0.299+/-0.260 χ^2/NDF:42.2/30

All: -0.416+/-0.185 χ^2/NDF: 79.9/59

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.137+/-0.197 χ^2/NDF:177939.5/16

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1020.544+/-0.199 χ^2/NDF:123836.5/15

Left: 1017.807+/-0.140 χ^2/NDF: 302148.3/32

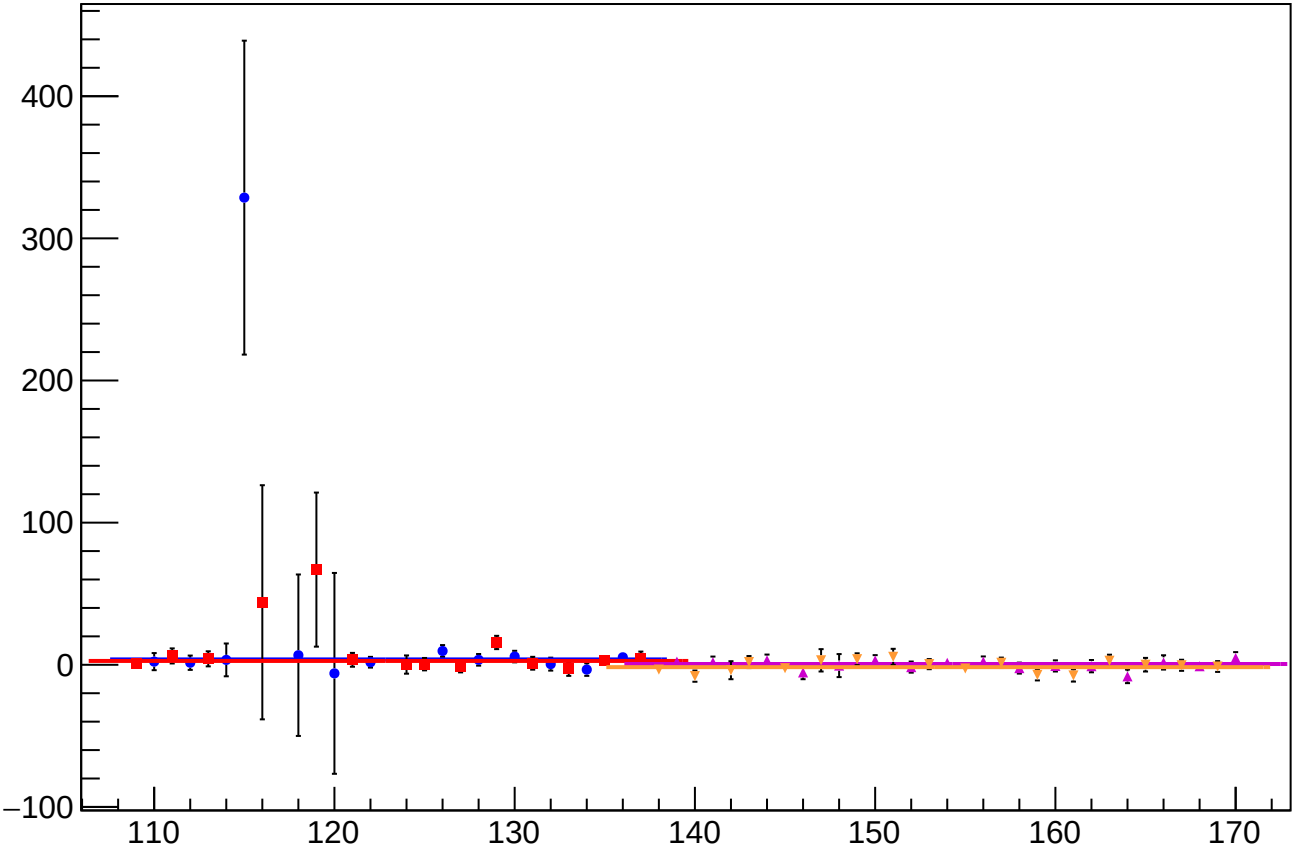
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1090.664+/-0.186 χ^2/NDF:3100277.9/28

Out: 1081.756+/-0.184 χ^2/NDF:2791667.9/30

All: 1086.149+/-0.131 χ^2/NDF: 5893107.5/59

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.655+/-0.933 χ^2/NDF:14.2/16

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.553+/-0.949 χ^2/NDF:9.1/15

Left: -0.570+/-0.665 χ^2/NDF: 26.0/32

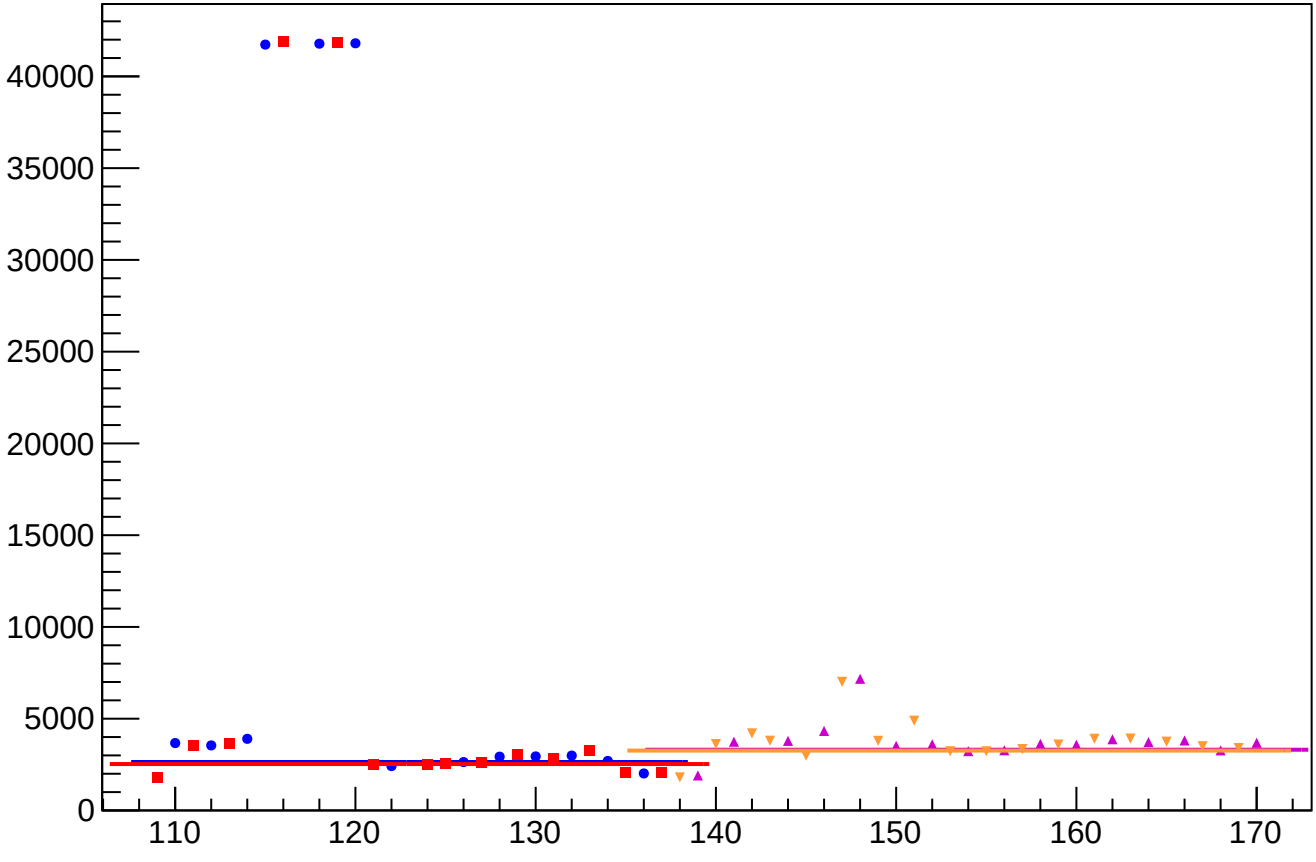
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.734+/-0.755 χ^2/NDF:28.5/28

Out: -0.029+/-0.739 χ^2/NDF:35.9/30

All: 0.833+/-0.528 χ^2/NDF: 67.2/59

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3262.648+/-0.660 χ^2/NDF:1869597.1/16

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3309.590+/-0.671 χ^2/NDF:1608295.9/15

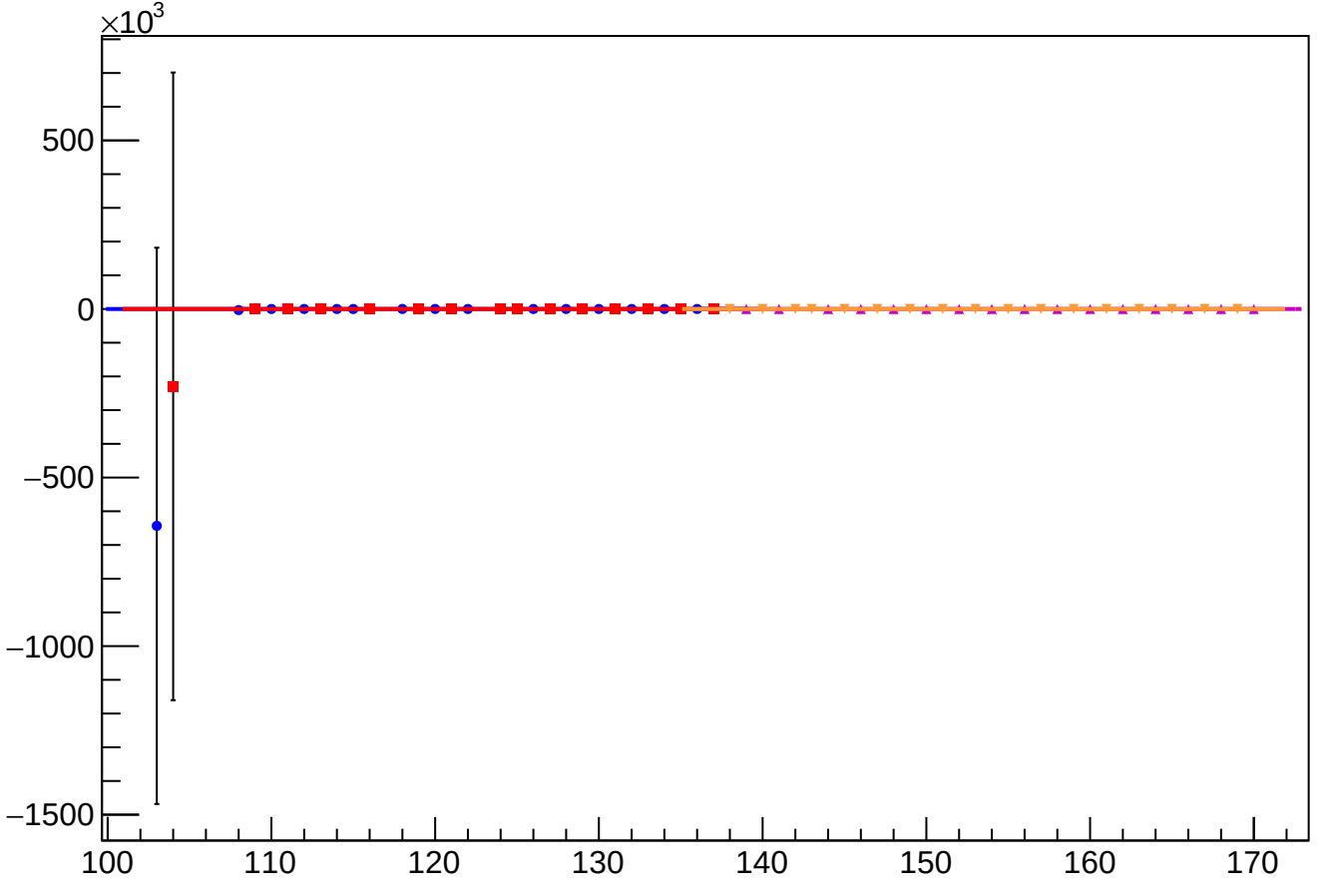
Left: 3285.726+/-0.471 χ^2/NDF: 3480380.7/32

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3064.318+/-0.534 χ^2/NDF:4146416.8/28

Out: 2989.270+/-0.523 χ^2/NDF:4280065.8/30

All: 3025.976+/-0.374 χ^2/NDF: 8436565.5/59



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.119+/-0.435 χ^2/NDF:31.2/16

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: -0.214+/-0.441 χ^2/NDF:17.2/15

Left: -1.180+/-0.310 χ^2/NDF: 57.9/32

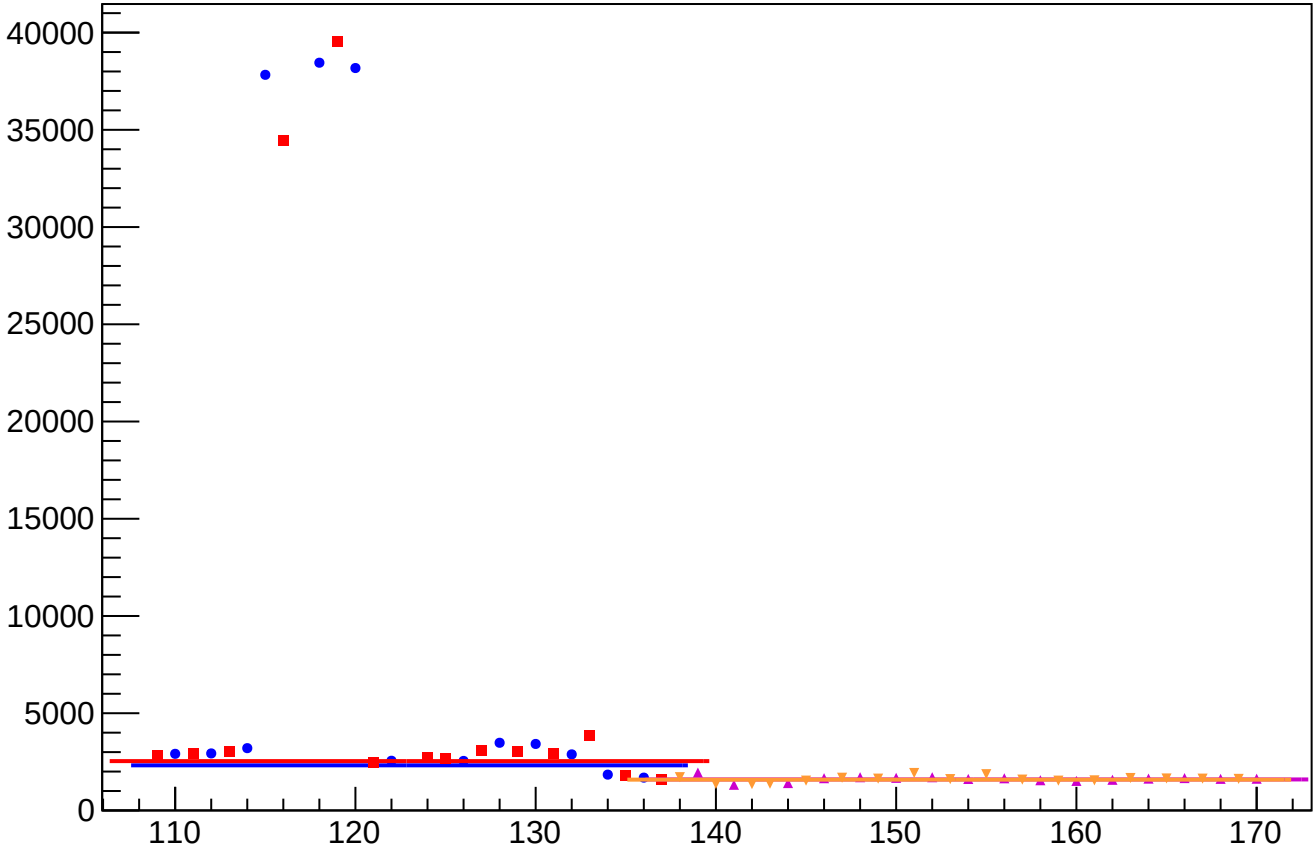
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.347+/-0.411 χ^2/NDF:36.7/30

Out: -1.572+/-0.409 χ^2/NDF:59.5/31

All: -0.962+/-0.290 χ^2/NDF: 100.6/62

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1584.371+/-0.308 χ^2/NDF:228334.5/16

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.693+/-0.312 χ^2/NDF:196045.0/15

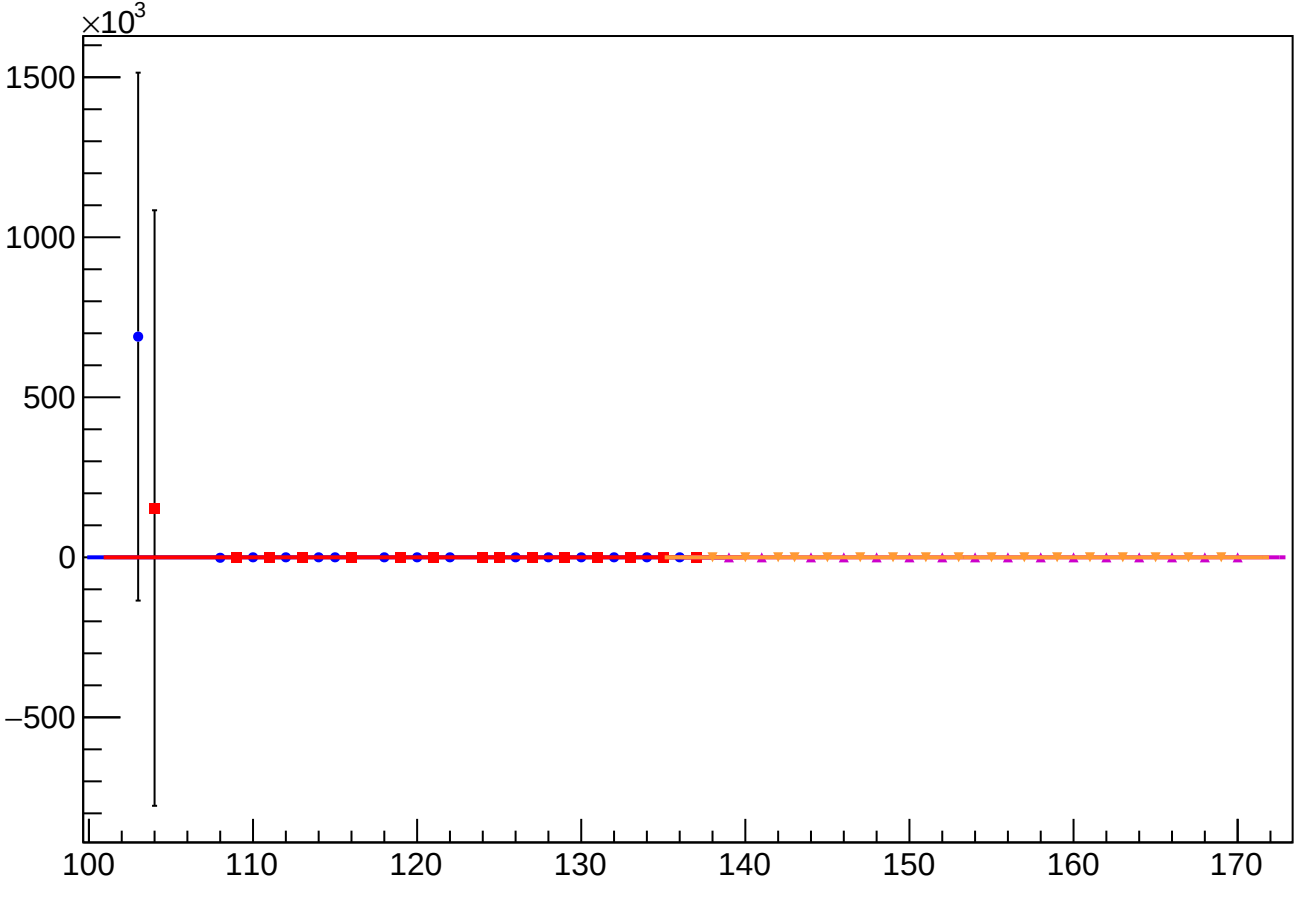
Left: 1589.459+/-0.219 χ^2/NDF: 424934.3/32

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1691.421+/-0.290 χ^2/NDF:3378548.2/28

Out: 1693.313+/-0.290 χ^2/NDF:3363849.5/30

All: 1692.370+/-0.205 χ^2/NDF: 6742419.0/59



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.789+/-0.603 χ^2/NDF:17.8/16

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: 0.053+/-0.586 χ^2/NDF:12.7/15

Left: -0.356+/-0.420 χ^2/NDF: 31.4/32

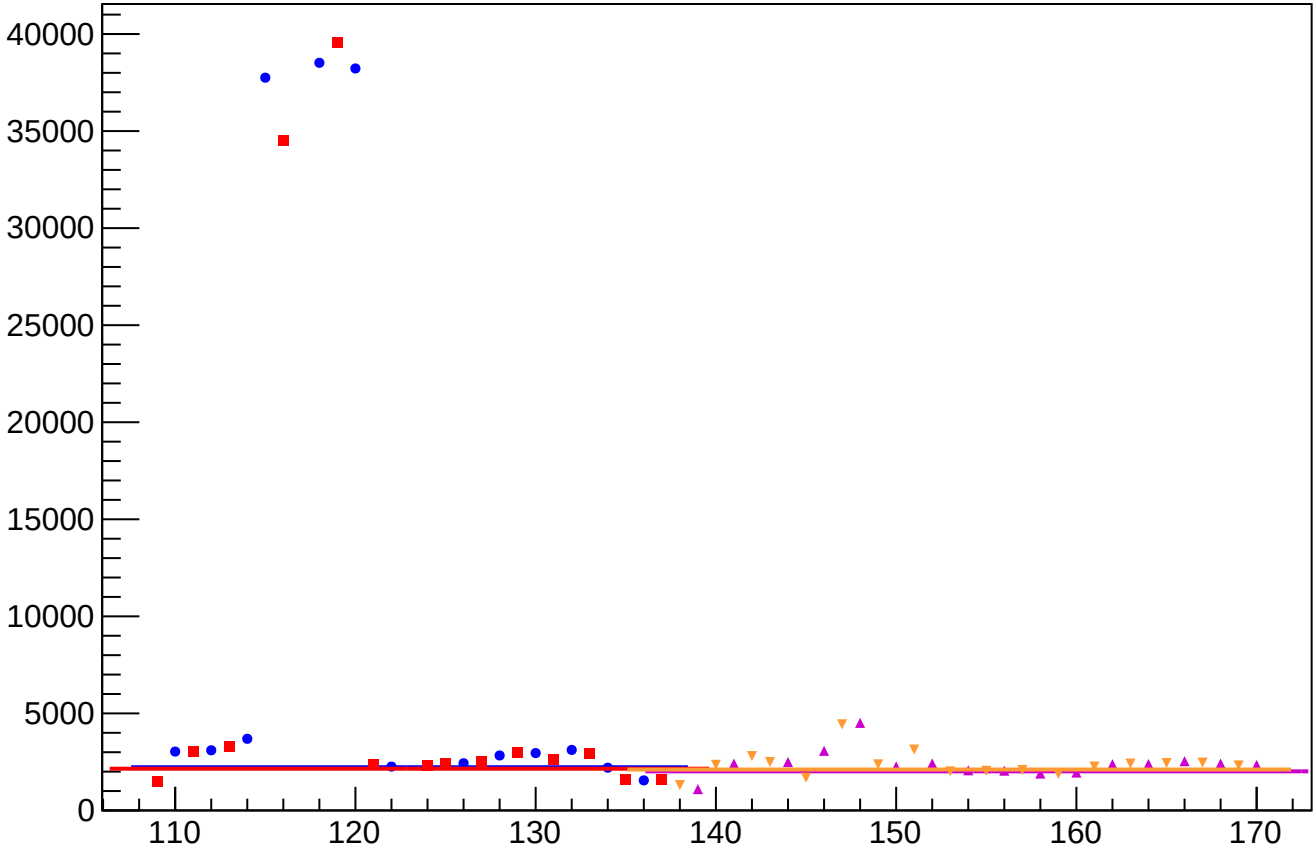
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.431+/-0.514 χ^2/NDF:19.5/30

Out: -0.126+/-0.523 χ^2/NDF:38.0/31

All: 0.157+/-0.367 χ^2/NDF: 58.1/62

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2108.739+/-0.426 χ^2/NDF:1454151.0/16

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2014.490+/-0.414 χ^2/NDF:2243239.7/15

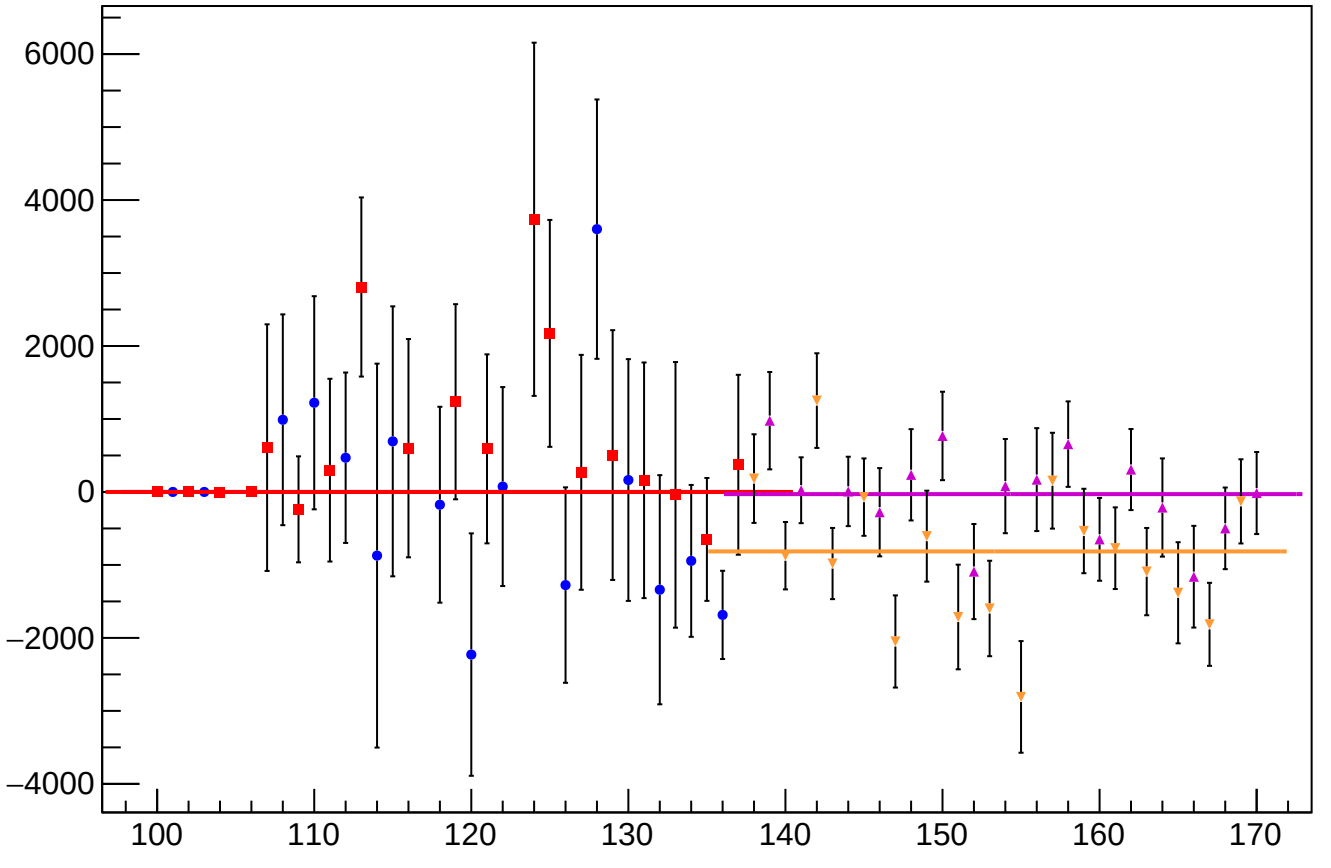
Left: 2060.267+/-0.297 χ^2/NDF: 3722552.3/32

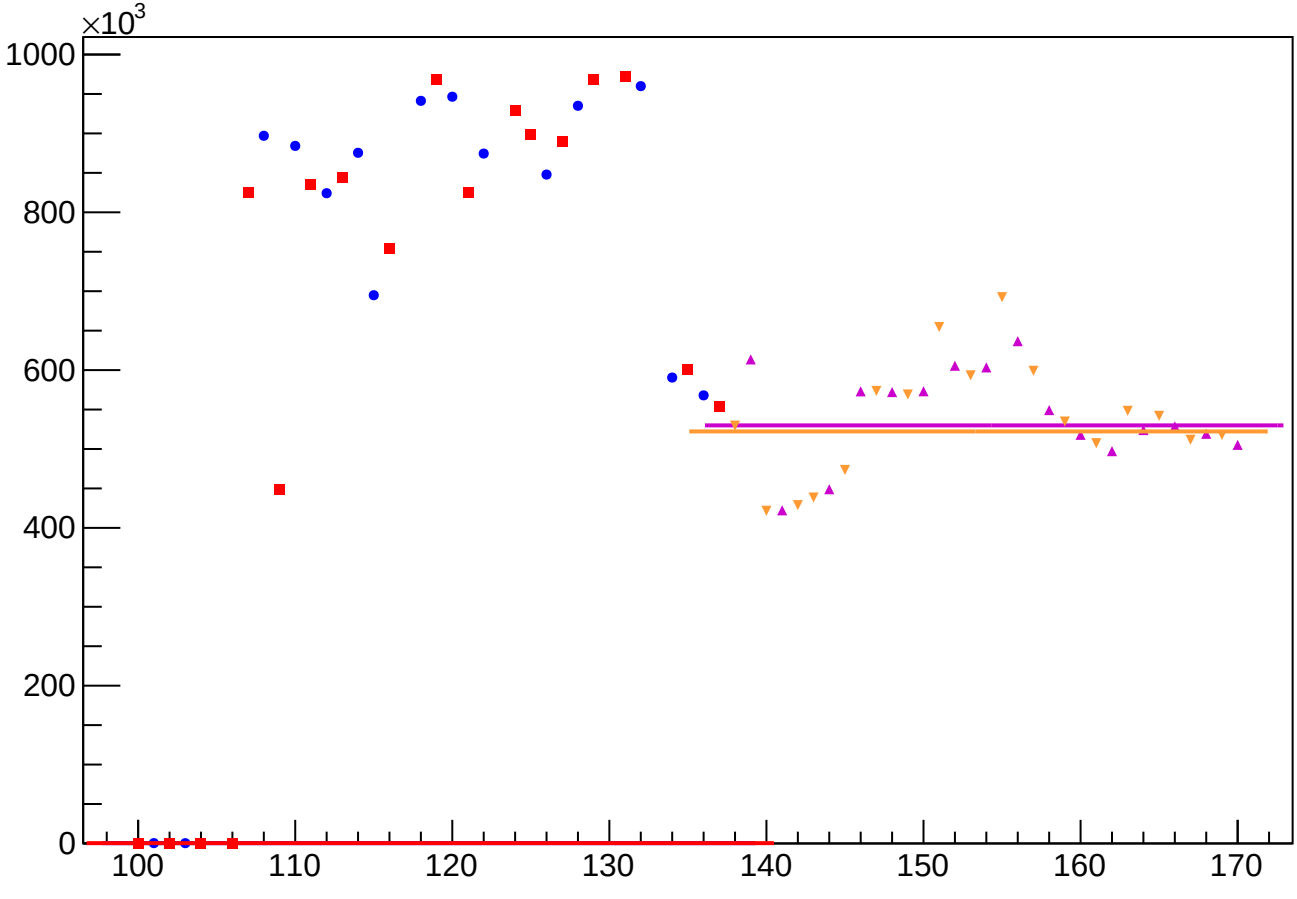
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2063.013+/-0.364 χ^2/NDF:4825646.9/28

Out: 2119.145+/-0.370 χ^2/NDF:3687885.9/30

All: 2090.622+/-0.259 χ^2/NDF: 8525245.7/59


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -814.813+/-144.202 χ²/NDF:36.5/16
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: -29.600+/-147.044 χ²/NDF:13.5/15
Left: -429.868+/-102.957 χ²/NDF: 64.5/32
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.255+/-0.356 χ²/NDF:31.3/31
Out: -0.100+/-0.328 χ²/NDF:83.8/35
All: 0.063+/-0.241 χ²/NDF: 115.6/67



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522246.105+/-101.966 χ^2/NDF:463949.9/16

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 529927.540+/-103.976 χ^2/NDF:346093.0/15

Left: 526011.875+/-72.801 χ^2/NDF: 812825.0/32

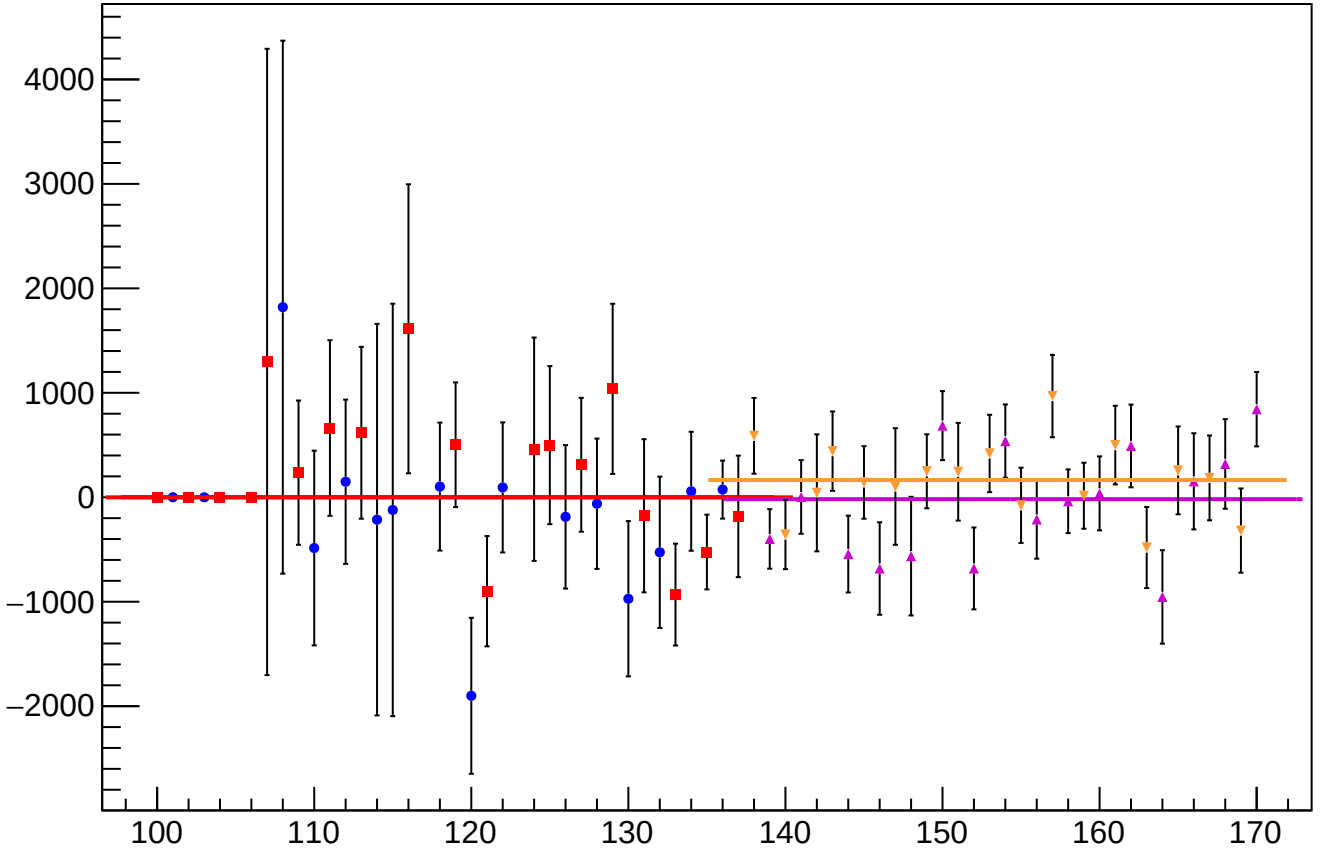
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.979+/-0.251 χ^2/NDF:34774325.7/30

Out: 395.936+/-0.232 χ^2/NDF:34305147.0/34

All: 398.711+/-0.170 χ^2/NDF: 69079784.9/65

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 165.294+/-93.705 χ^2/NDF:14.9/16

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -18.157+/-93.269 χ^2/NDF:29.8/15

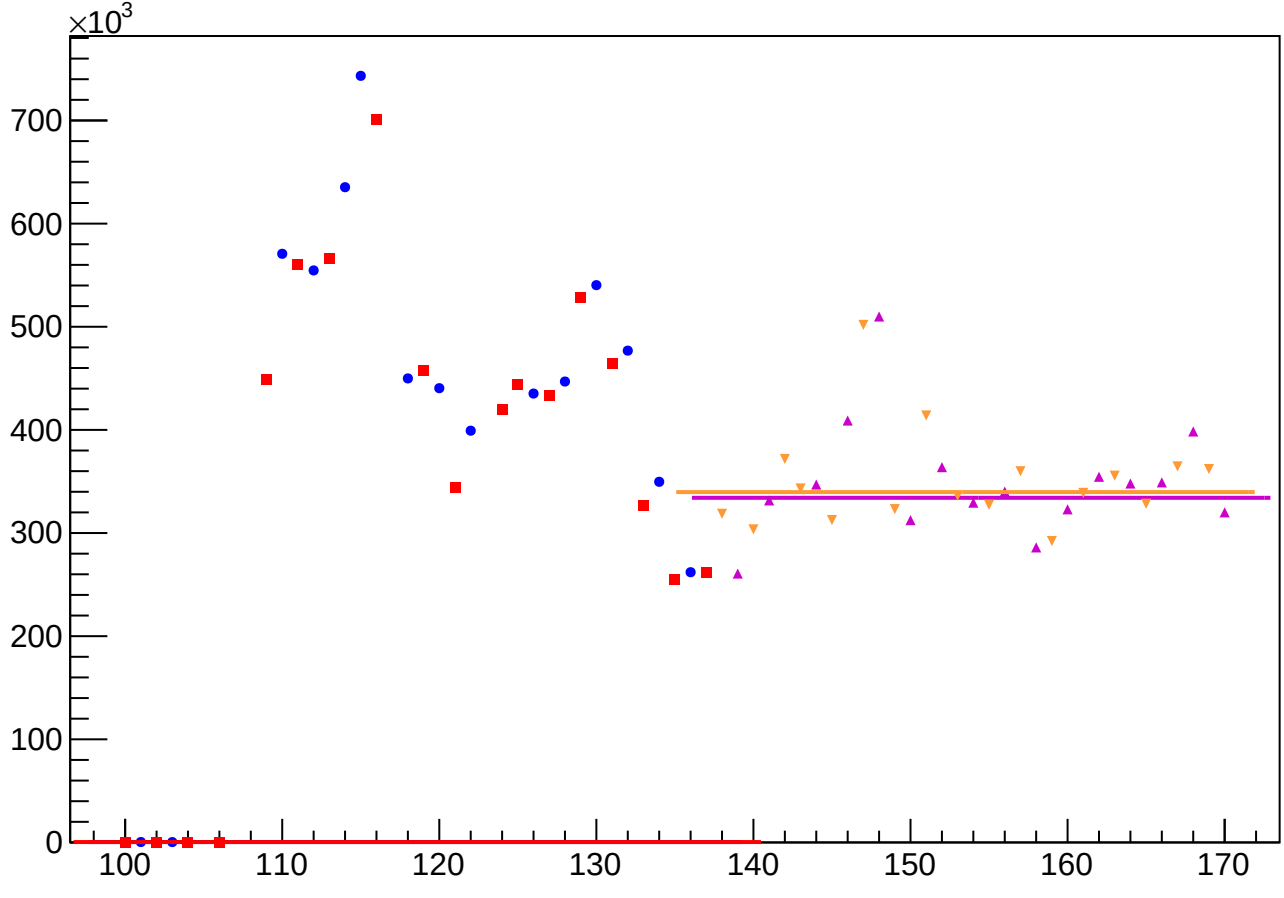
Left: 73.141+/-66.105 χ^2/NDF: 46.6/32

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:40.3/31

Out: -0.597+/-0.324 χ^2/NDF:33.0/35

All: -0.329+/-0.237 χ^2/NDF: 74.8/67



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339698.110+/-66.259 χ^2/NDF:344353.4/16

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 334153.317+/-65.956 χ^2/NDF:514295.3/15

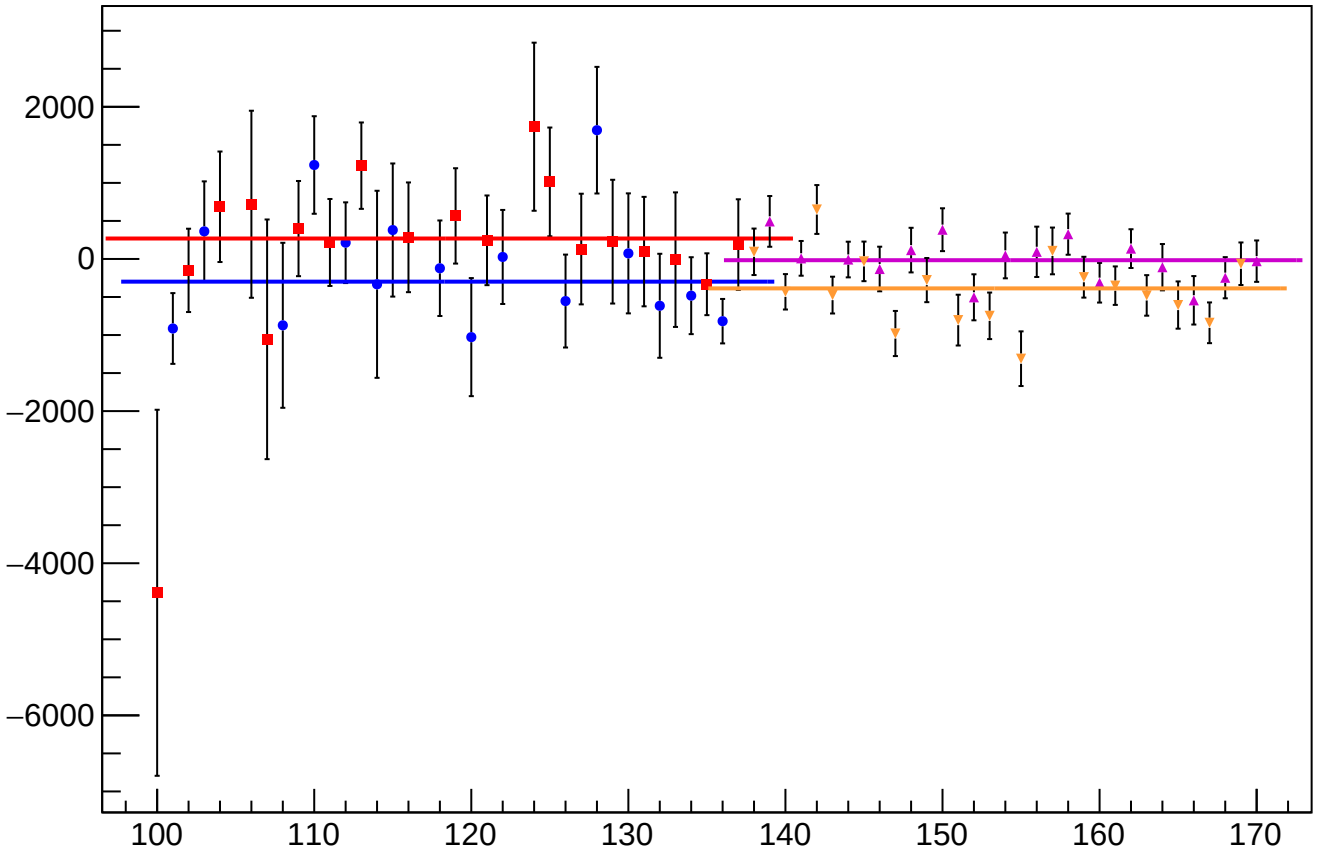
Left: 336912.968+/-46.745 χ^2/NDF: 862166.2/32

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 394.898+/-0.245 χ^2/NDF:37254097.1/30

Out: 392.036+/-0.229 χ^2/NDF:37642305.5/34

All: 393.368+/-0.167 χ^2/NDF: 74896475.3/65



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -386.791+/-68.577 χ^2/NDF:36.4/16

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -16.236+/-69.853 χ^2/NDF:14.3/15

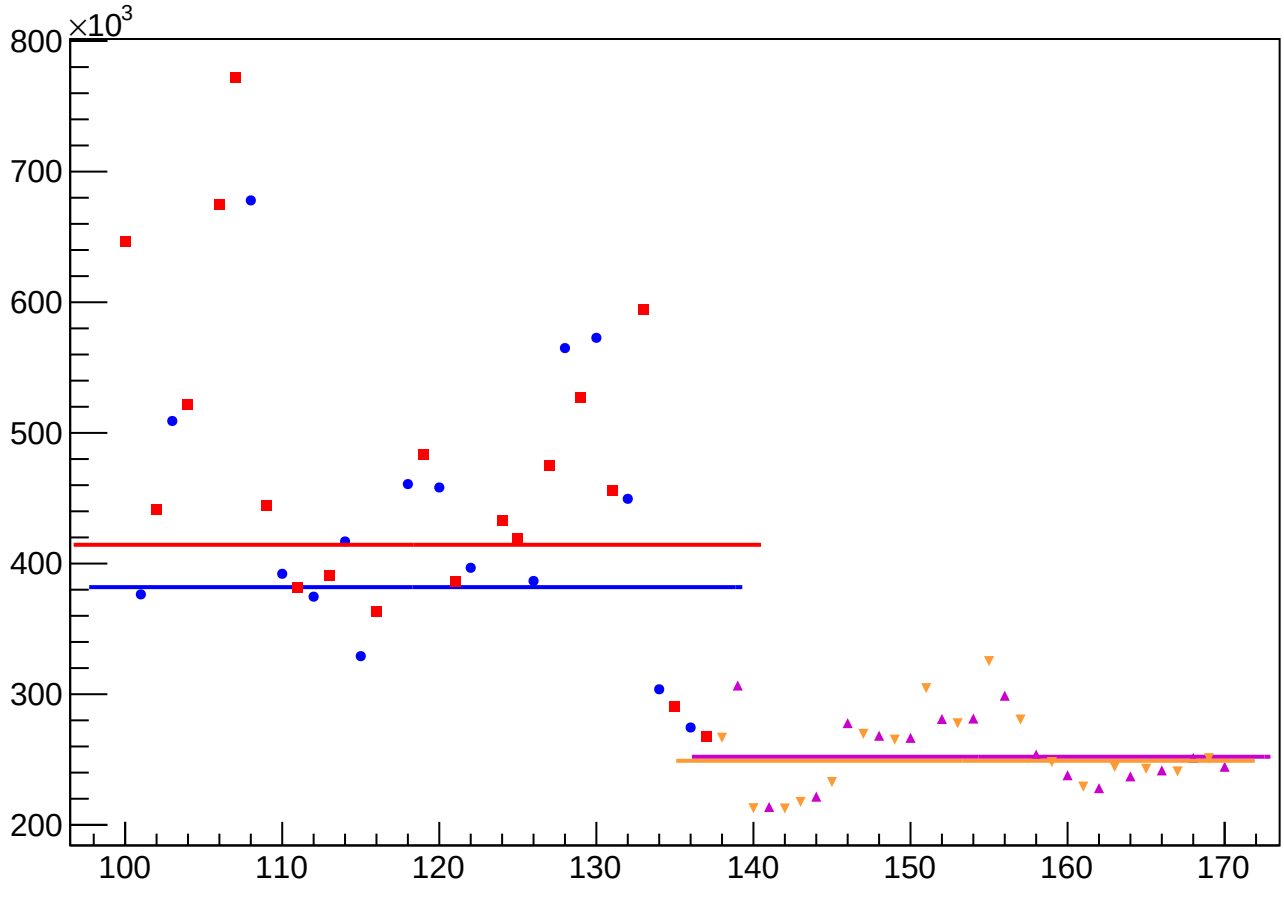
Left: -204.929+/-48.936 χ^2/NDF: 65.0/32

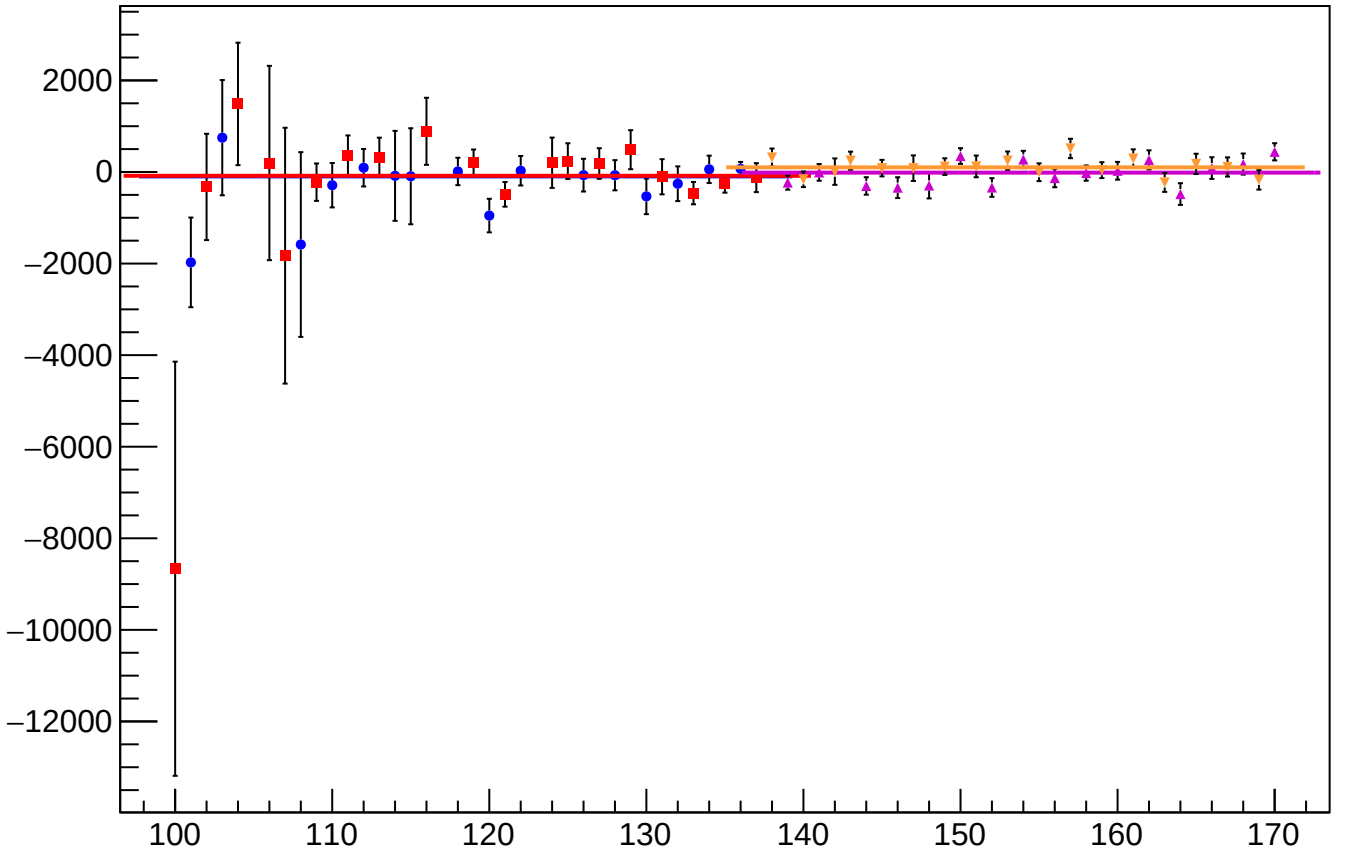
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -67.977+/-63.121 χ^2/NDF:38.5/31

Out: -281.266+/-62.816 χ^2/NDF:64.9/35

All: -175.137+/-44.525 χ^2/NDF: 109.1/67


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 249048.628+/-48.491 χ²/NDF:338570.7/16
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 252139.112+/-49.393 χ²/NDF:280177.3/15
Left: 250565.380+/-34.603 χ²/NDF: 620741.6/32
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 275949.286+/-44.635 χ²/NDF:2383598.8/31
Out: 275645.285+/-44.420 χ²/NDF:2968709.9/35
All: 275796.552+/-31.485 χ²/NDF: 5352332.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 101.667+/-49.369 χ^2/NDF:14.2/16

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -14.086+/-49.370 χ^2/NDF:29.4/15

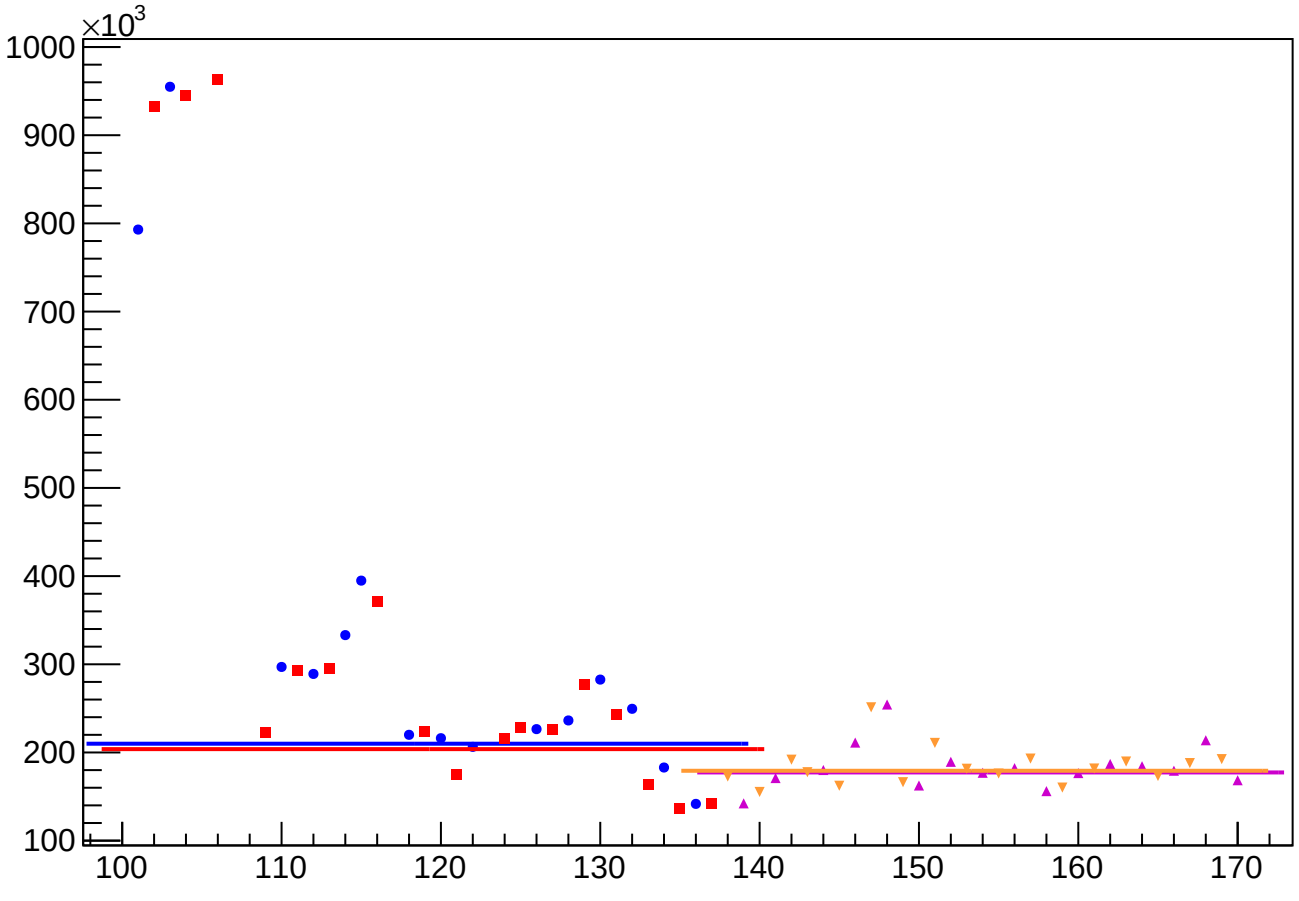
Left: 43.792+/-34.910 χ^2/NDF: 46.3/32

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -33.570+/-43.088 χ^2/NDF:43.8/31

Out: 56.993+/-42.975 χ^2/NDF:36.6/35

All: 11.830+/-30.428 χ^2/NDF: 82.6/67



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179239.481+/-34.909 χ^2/NDF:294160.4/16

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177343.663+/-34.910 χ^2/NDF:413743.6/15

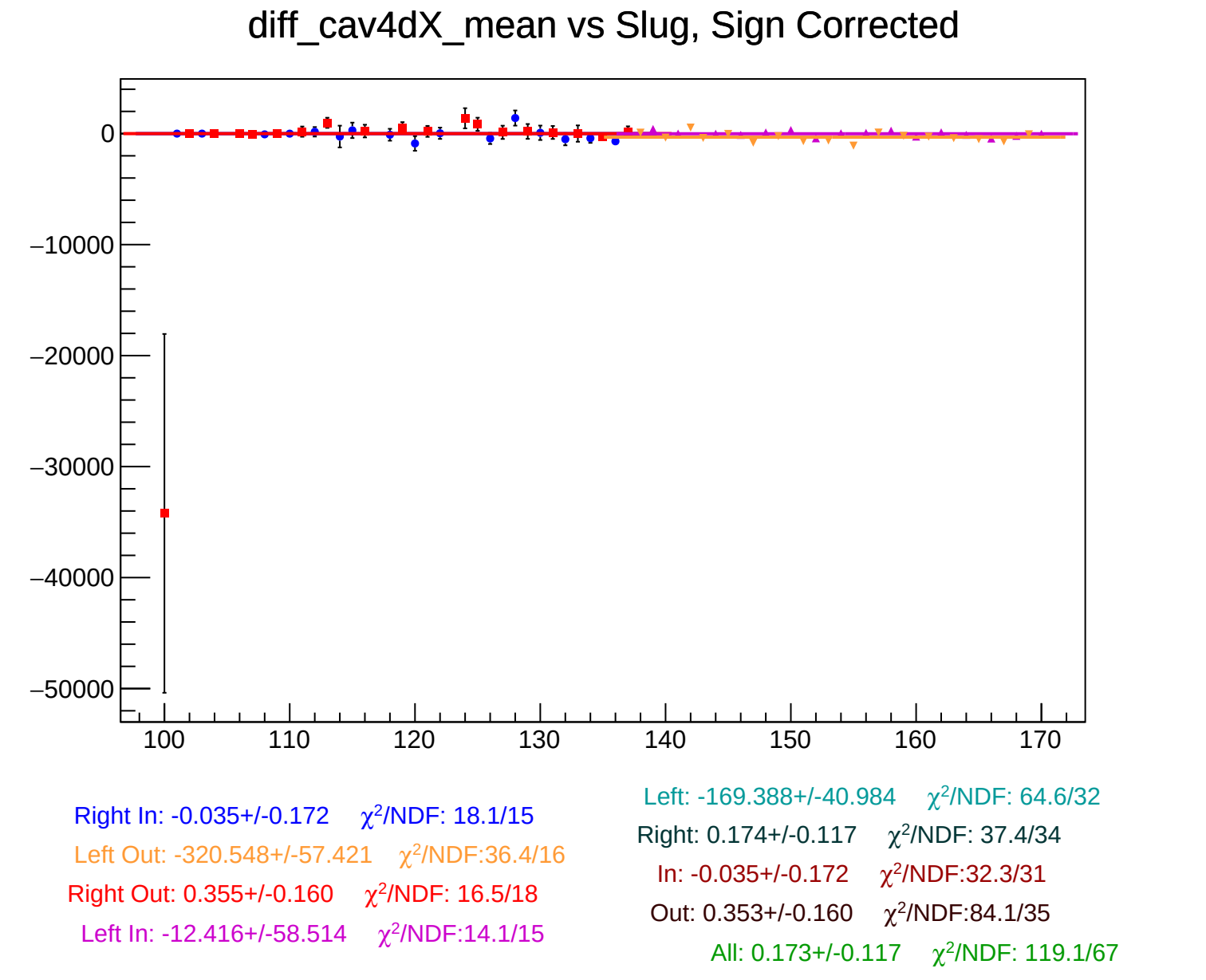
Left: 178291.594+/-24.685 χ^2/NDF: 709378.7/32

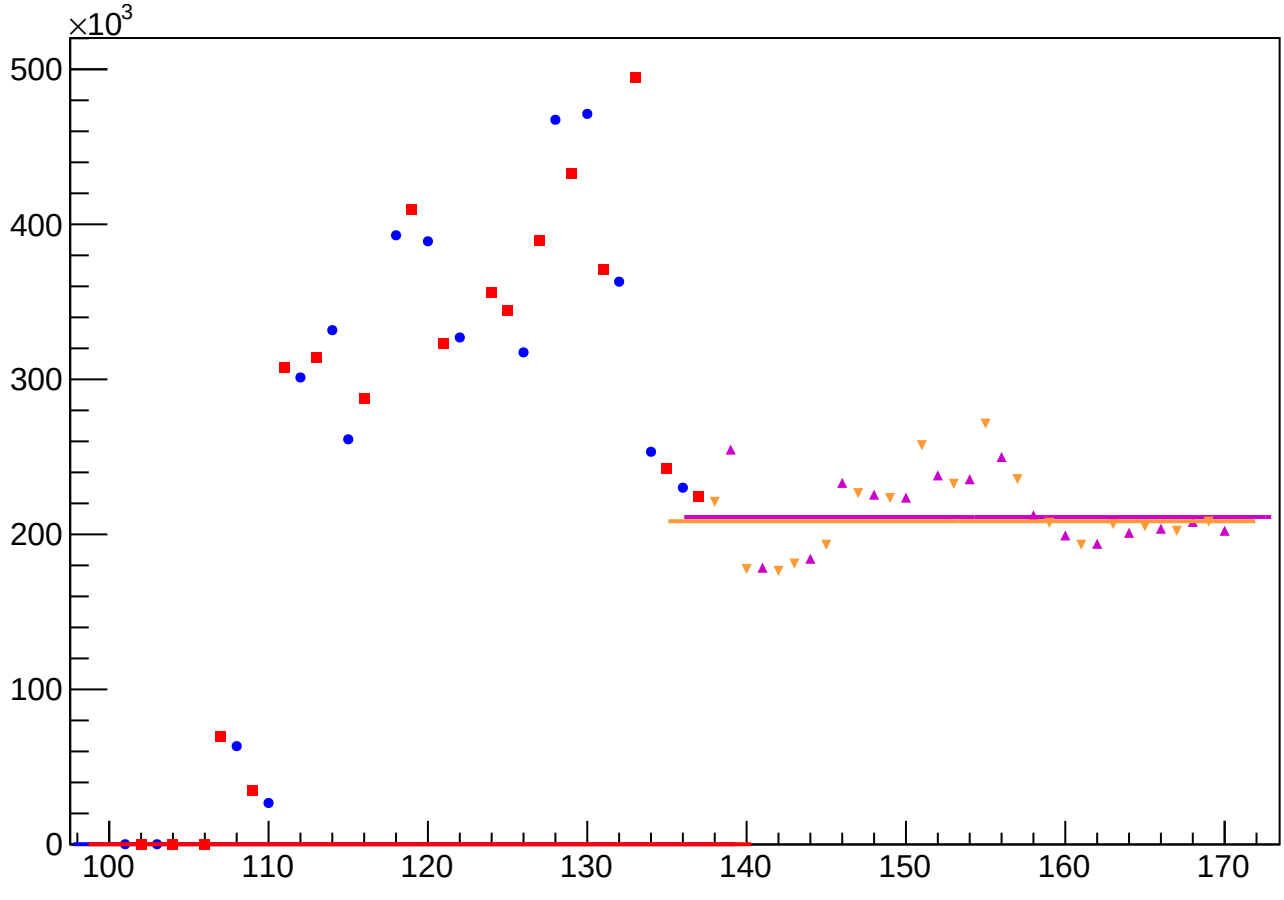
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185088.136+/-30.480 χ^2/NDF:2580711.7/30

Out: 185165.207+/-30.406 χ^2/NDF:2484033.1/33

All: 185126.765+/-21.527 χ^2/NDF: 5064748.


diff_cav4dX_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -0.035+/-0.172 χ²/NDF: 18.1/15
Left Out: -320.548+/-57.421 χ²/NDF:36.4/16
Right Out: 0.355+/-0.160 χ²/NDF: 16.5/18
Left In: -12.416+/-58.514 χ²/NDF:14.1/15
Left: -169.388+/-40.984 χ²/NDF: 64.6/32
Right: 0.174+/-0.117 χ²/NDF: 37.4/34
In: -0.035+/-0.172 χ²/NDF:32.3/31
Out: 0.353+/-0.160 χ²/NDF:84.1/35
All: 0.173+/-0.117 χ²/NDF: 119.1/67



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208480.622+/-40.603 χ^2/NDF:349363.0/16

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 211205.783+/-41.376 χ^2/NDF:281401.0/15

Left: 209817.499+/-28.980 χ^2/NDF: 632974.0/32

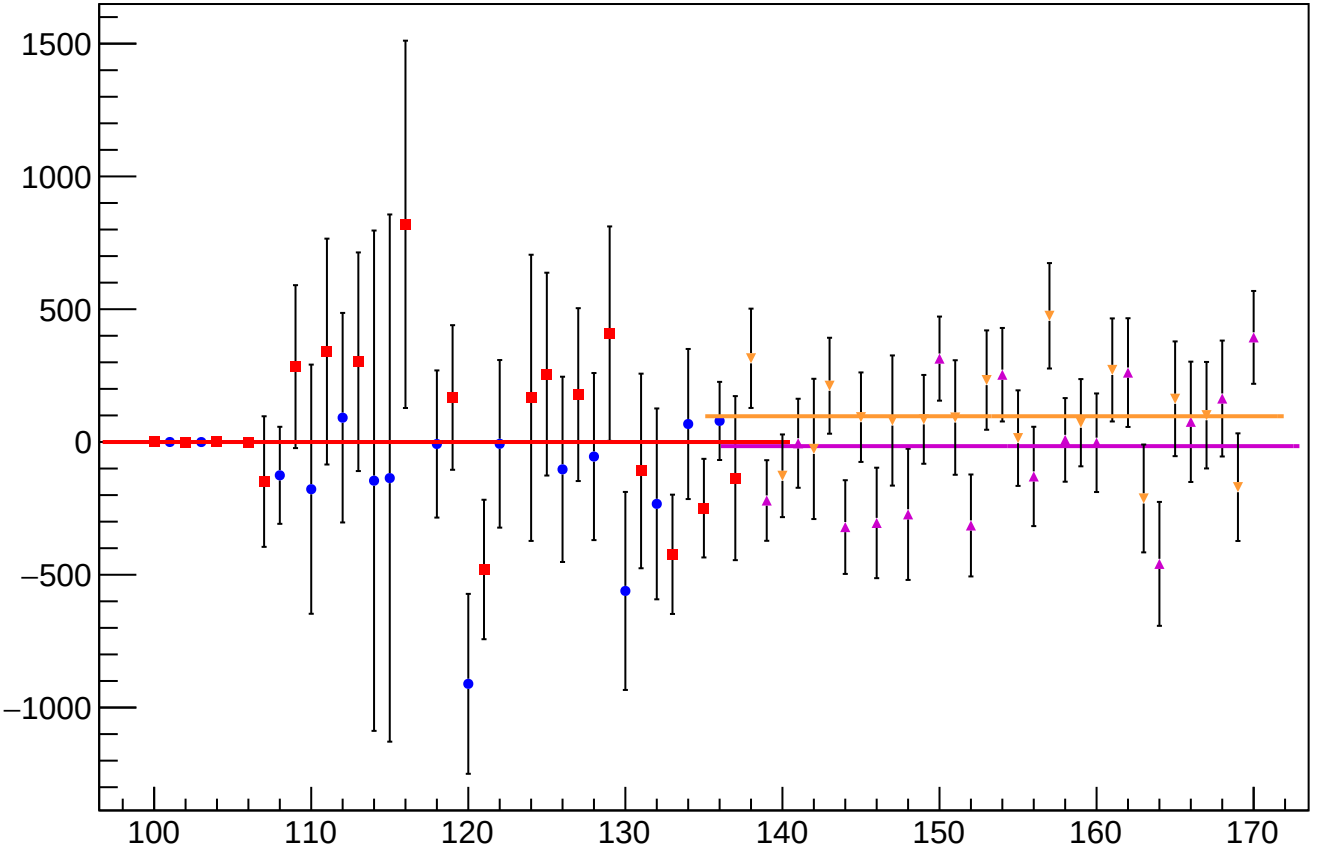
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.921+/-0.122 χ^2/NDF:37602759.6/31

Out: 150.999+/-0.113 χ^2/NDF:37964704.7/34

All: 150.963+/-0.083 χ^2/NDF: 75567464.4/66

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 96.944+/-46.260 χ^2/NDF:13.4/16

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -15.624+/-46.459 χ^2/NDF:29.1/15

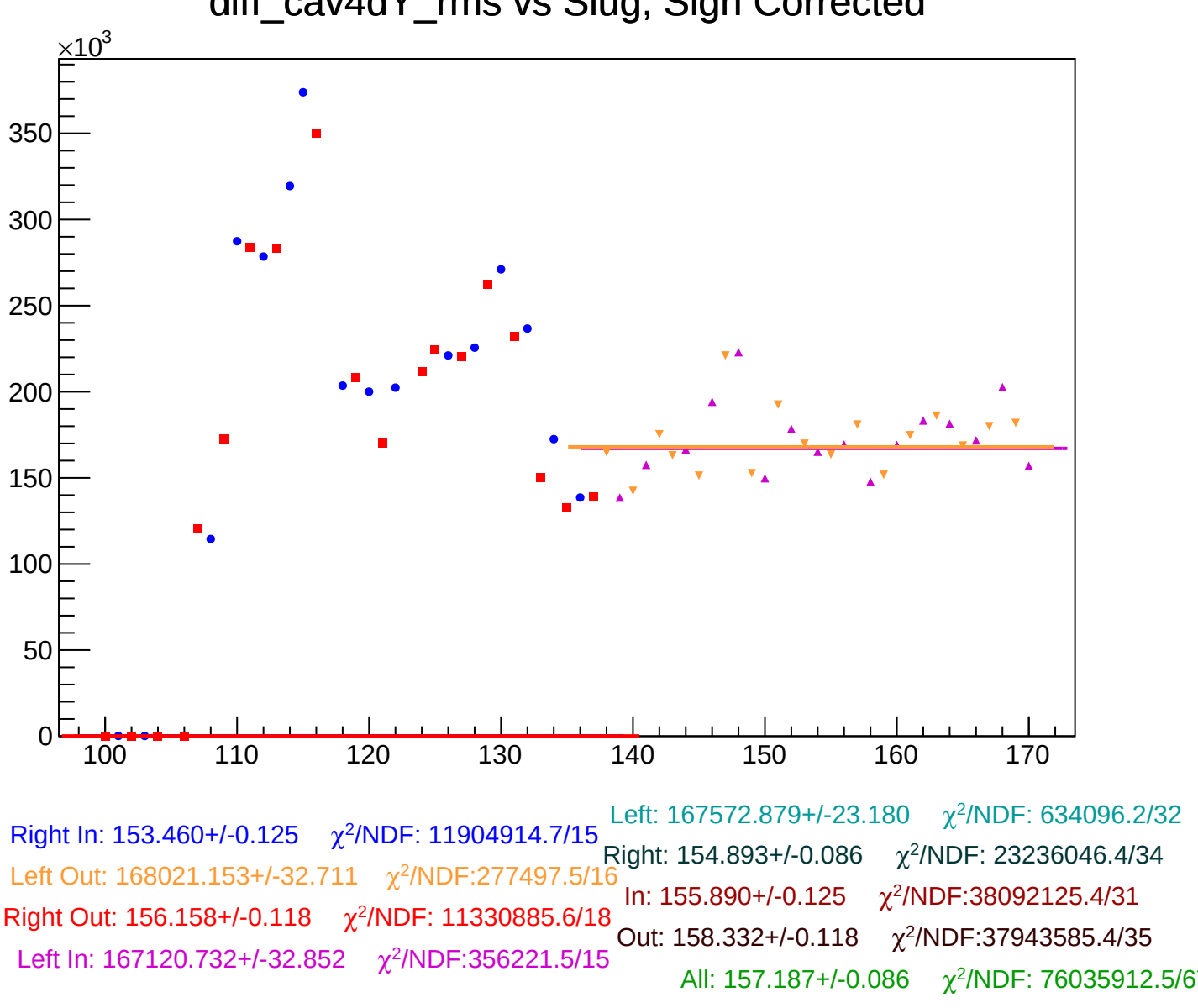
Left: 40.902+/-32.781 χ^2/NDF: 45.4/32

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

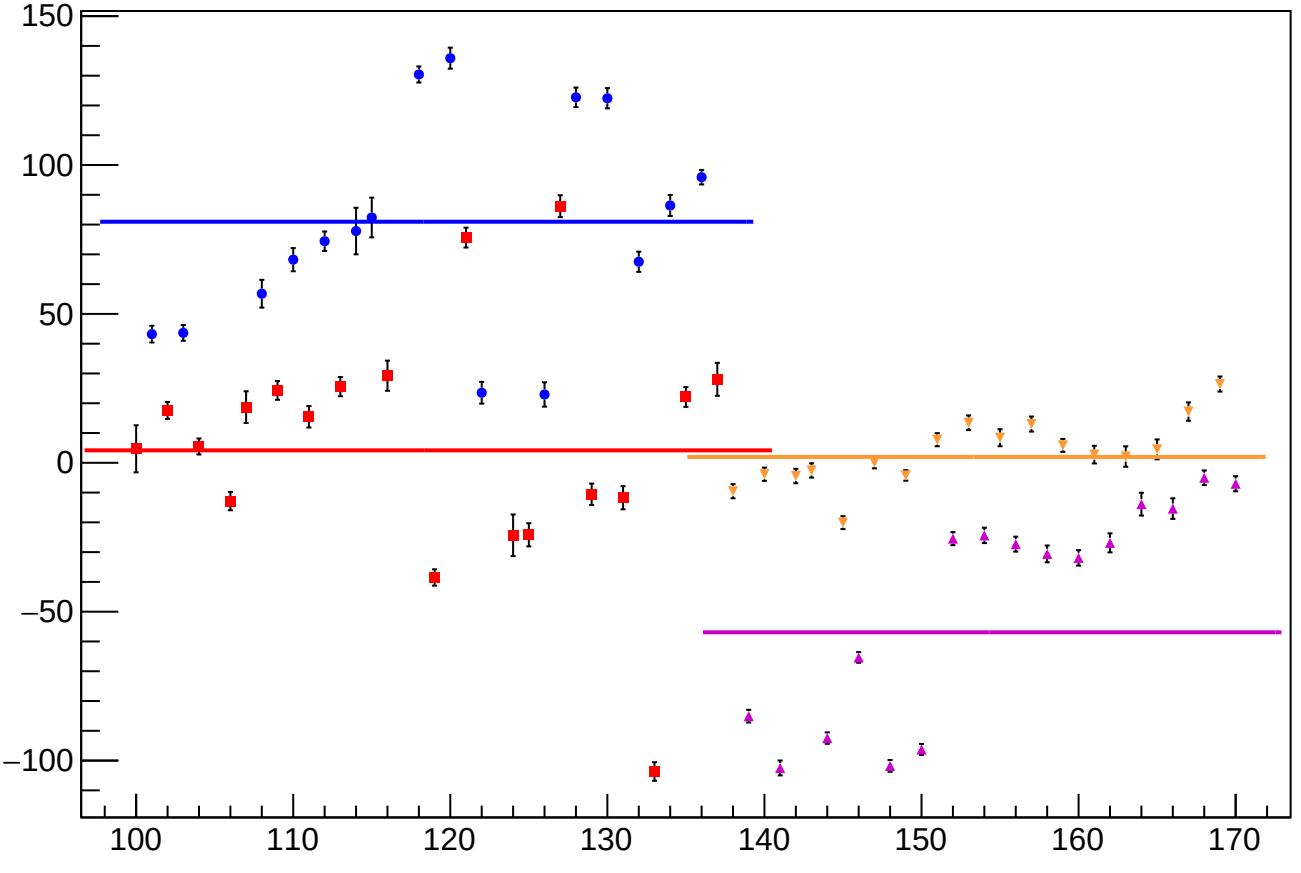
In: -0.068+/-0.177 χ^2/NDF:40.4/31

Out: -0.125+/-0.166 χ^2/NDF:33.1/35

All: -0.098+/-0.121 χ^2/NDF: 73.5/67


diff_cav4dY_rms vs Slug, Sign Corrected
×10^3
350
300
250
200
150
100
50
0
100
110
120
130
140
150
160
170
Right In: 153.460+/-0.125 χ²/NDF: 11904914.7/15
Left Out: 168021.153+/-32.711 χ²/NDF:277497.5/16
Right Out: 156.158+/-0.118 χ²/NDF: 11330885.6/18
Left In: 167120.732+/-32.852 χ²/NDF:356221.5/15
Left: 167572.879+/-23.180 χ²/NDF: 634096.2/32
Right: 154.893+/-0.086 χ²/NDF: 23236046.4/34
In: 155.890+/-0.125 χ²/NDF:38092125.4/31
Out: 158.332+/-0.118 χ²/NDF:37943585.4/35
All: 157.187+/-0.086 χ²/NDF: 76035912.5/67

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 1.975+/-0.587 χ^2/NDF:331.8/16

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -56.928+/-0.590 χ^2/NDF:3720.9/15

Left: -27.355+/-0.416 χ^2/NDF: 9063.4/32

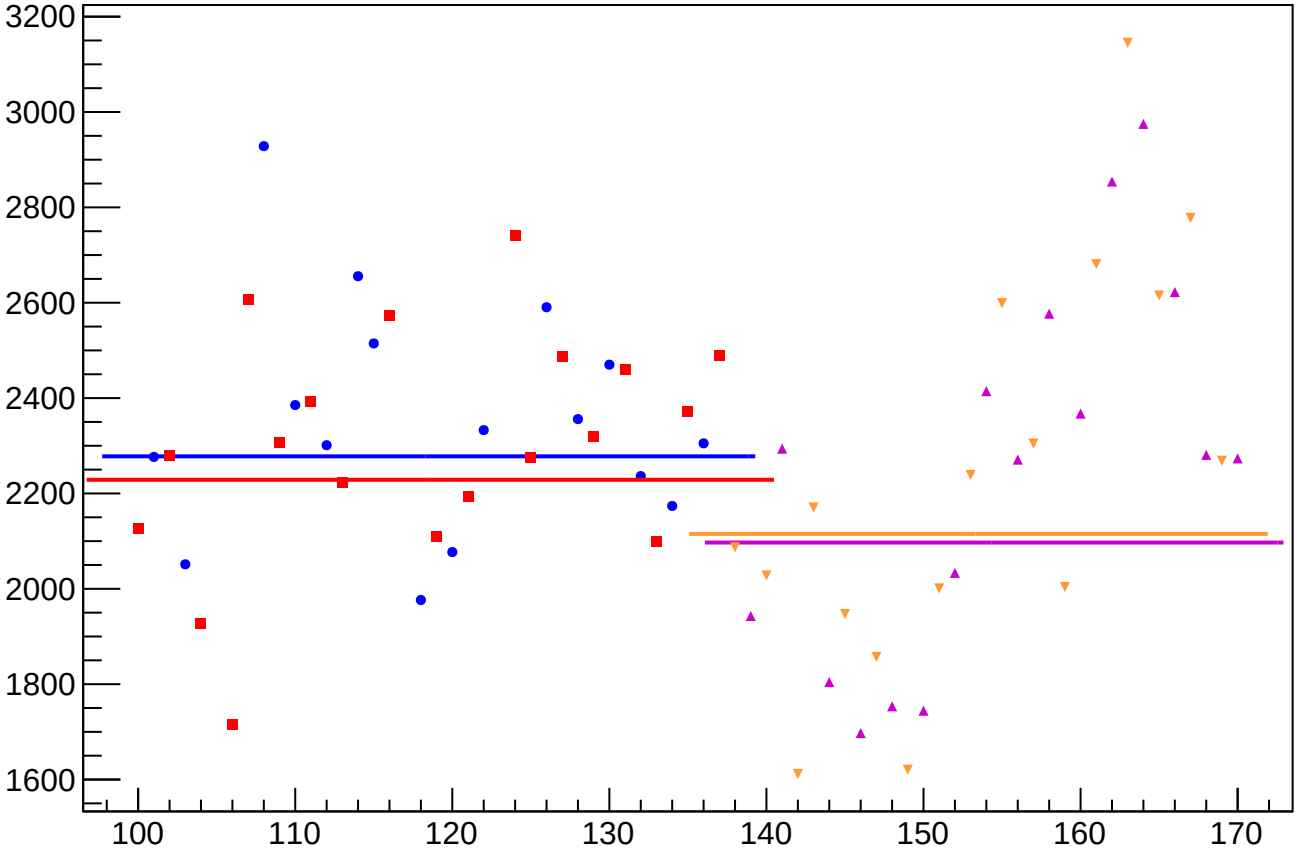
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.238+/-0.485 χ^2/NDF:23259.4/31

Out: 2.724+/-0.477 χ^2/NDF:3056.3/35

All: -4.643+/-0.340 χ^2/NDF: 26799.2/67

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2115.186+/-0.415 χ^2/NDF:769908.2/16

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2097.049+/-0.417 χ^2/NDF:708603.3/15

Left: 2106.155+/-0.294 χ^2/NDF: 1479461.5/32

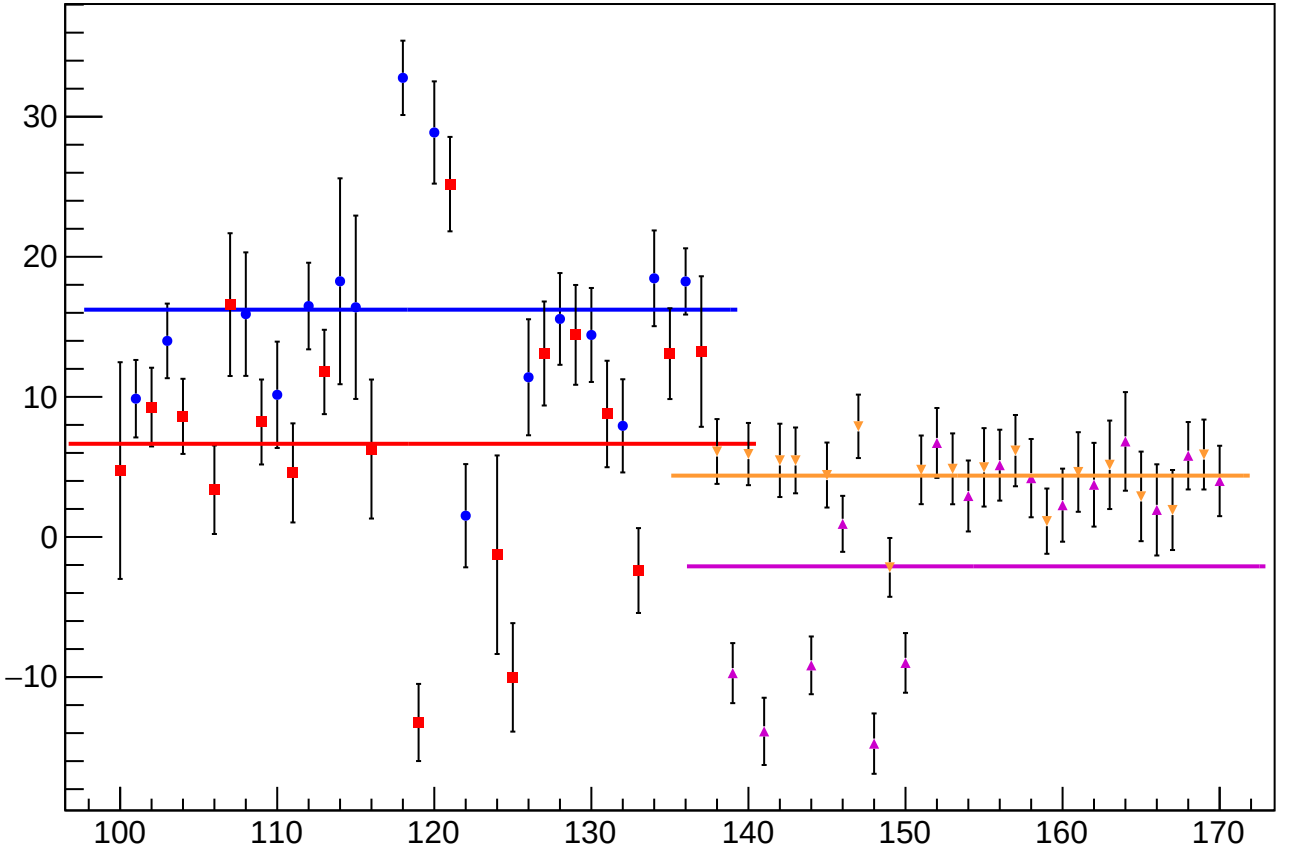
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2155.656+/-0.343 χ^2/NDF:885337.0/31

Out: 2153.653+/-0.338 χ^2/NDF:946369.8/35

All: 2154.639+/-0.241 χ^2/NDF: 1831724.1/67

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.380+/-0.606 χ^2/NDF:17.5/16

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -2.096+/-0.611 χ^2/NDF:156.6/15

Left: 1.166+/-0.430 χ^2/NDF: 230.7/32

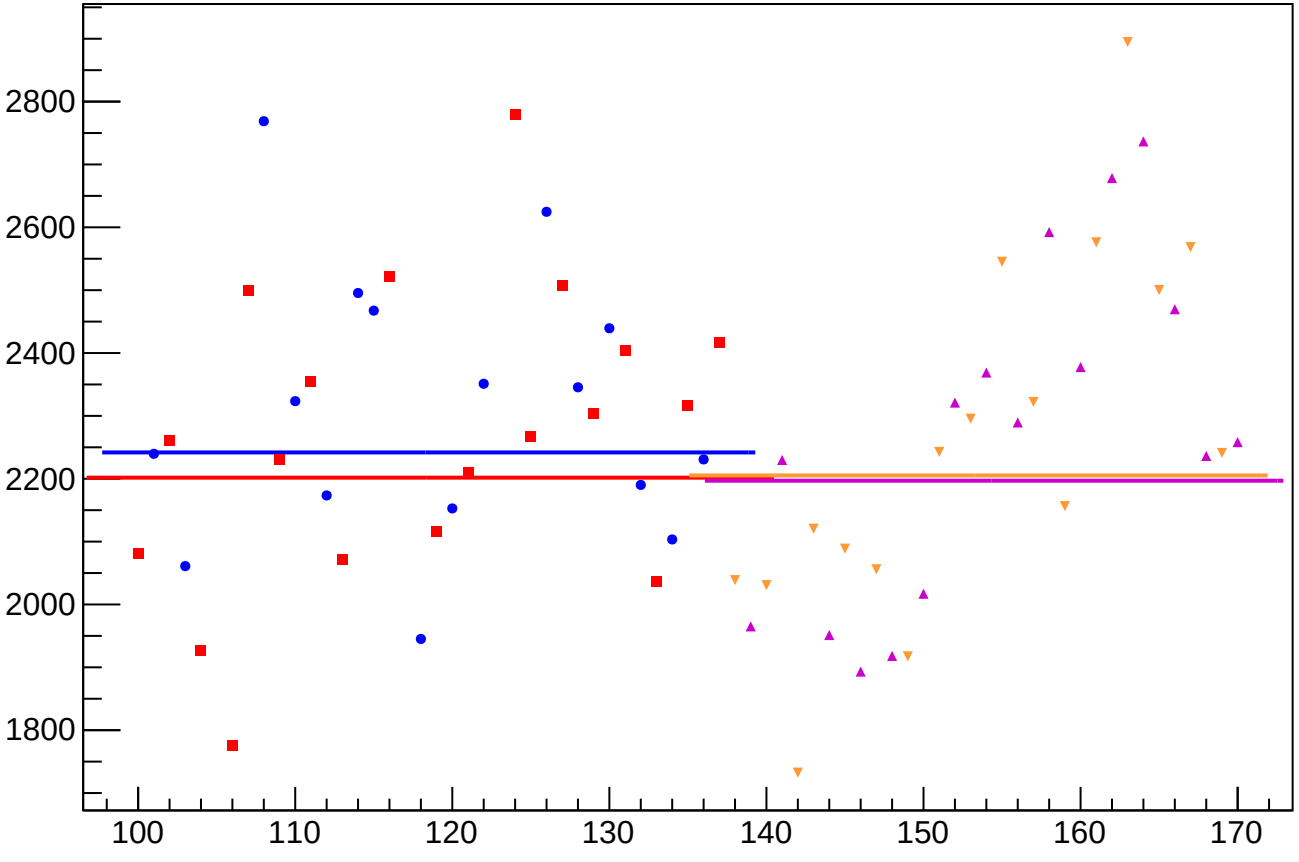
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.267+/-0.494 χ^2/NDF:553.5/31

Out: 5.197+/-0.485 χ^2/NDF:157.1/35

All: 4.740+/-0.346 χ^2/NDF: 712.4/67

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2205.261+/-0.429 χ^2/NDF:358733.1/16

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2196.894+/-0.432 χ^2/NDF:327346.7/15

Left: 2201.109+/-0.304 χ^2/NDF: 686268.8/32

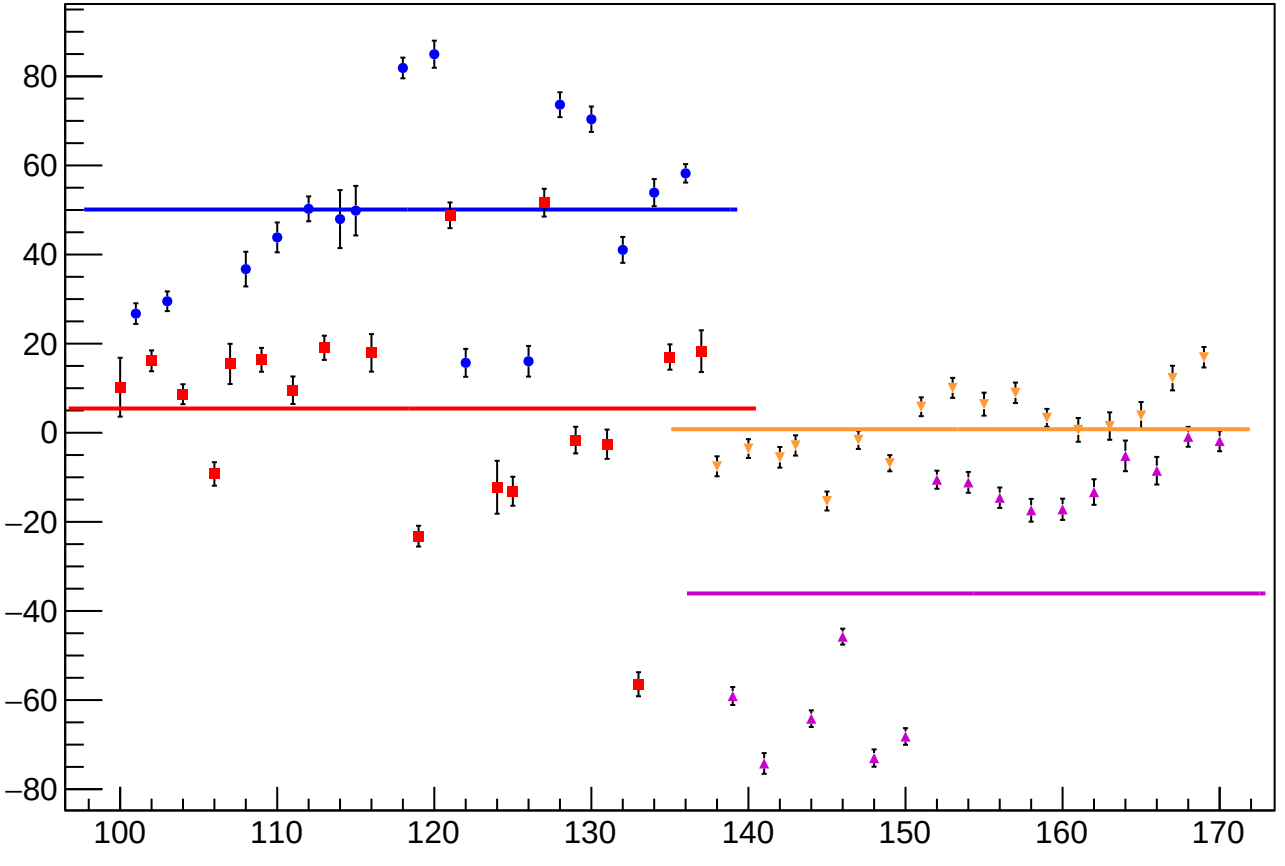
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2212.507+/-0.349 χ^2/NDF:433368.4/31

Out: 2203.995+/-0.343 χ^2/NDF:488639.9/35

All: 2208.179+/-0.245 χ^2/NDF: 922310.8/67

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 0.797+/-0.555 χ^2/NDF:213.8/16

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -36.070+/-0.557 χ^2/NDF:2482.1/15

Left: -17.571+/-0.393 χ^2/NDF: 4897.4/32

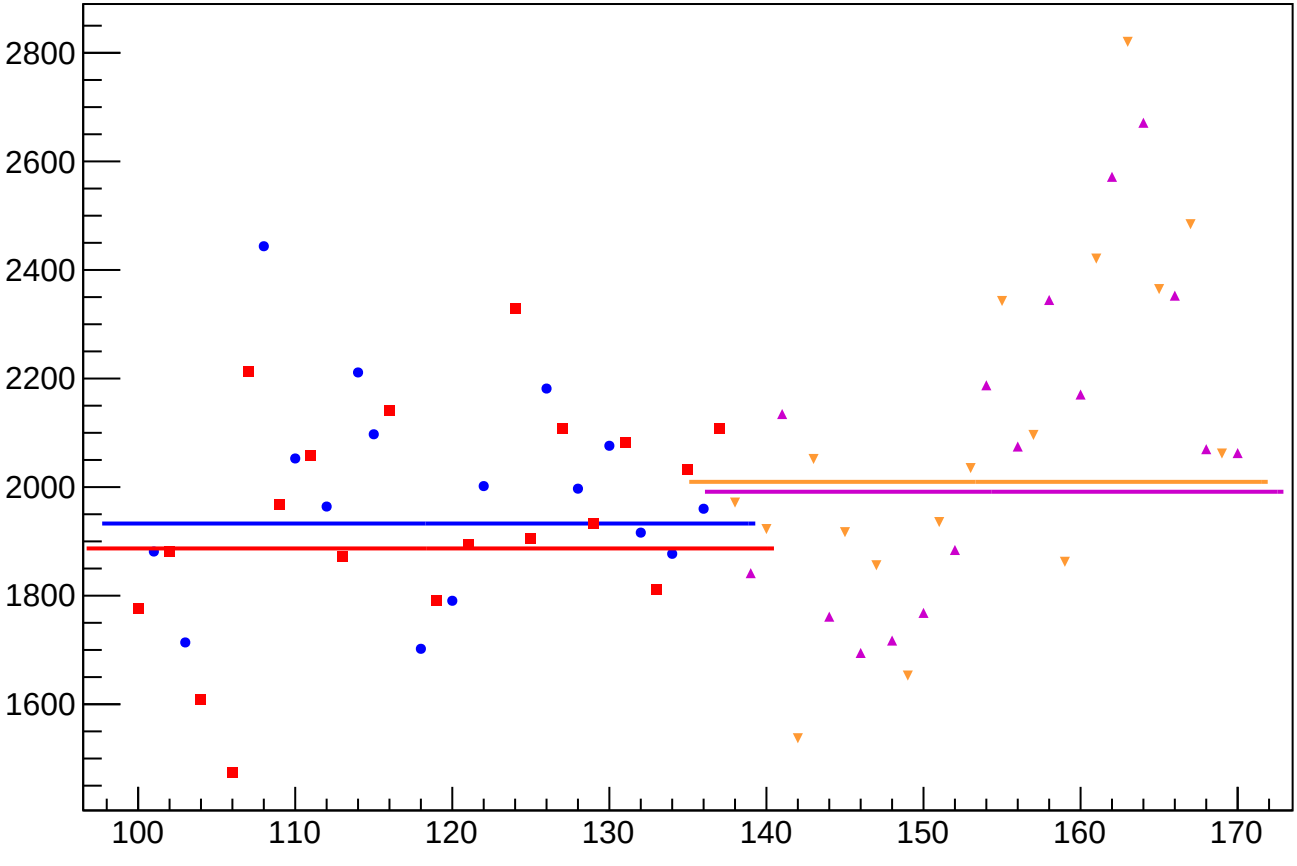
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.955+/-0.441 χ^2/NDF:12303.6/31

Out: 2.607+/-0.433 χ^2/NDF:1552.7/35

All: -0.617+/-0.309 χ^2/NDF: 13969.0/67

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2009.694+/-0.392 χ^2/NDF:503396.9/16

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1991.432+/-0.394 χ^2/NDF:435739.1/15

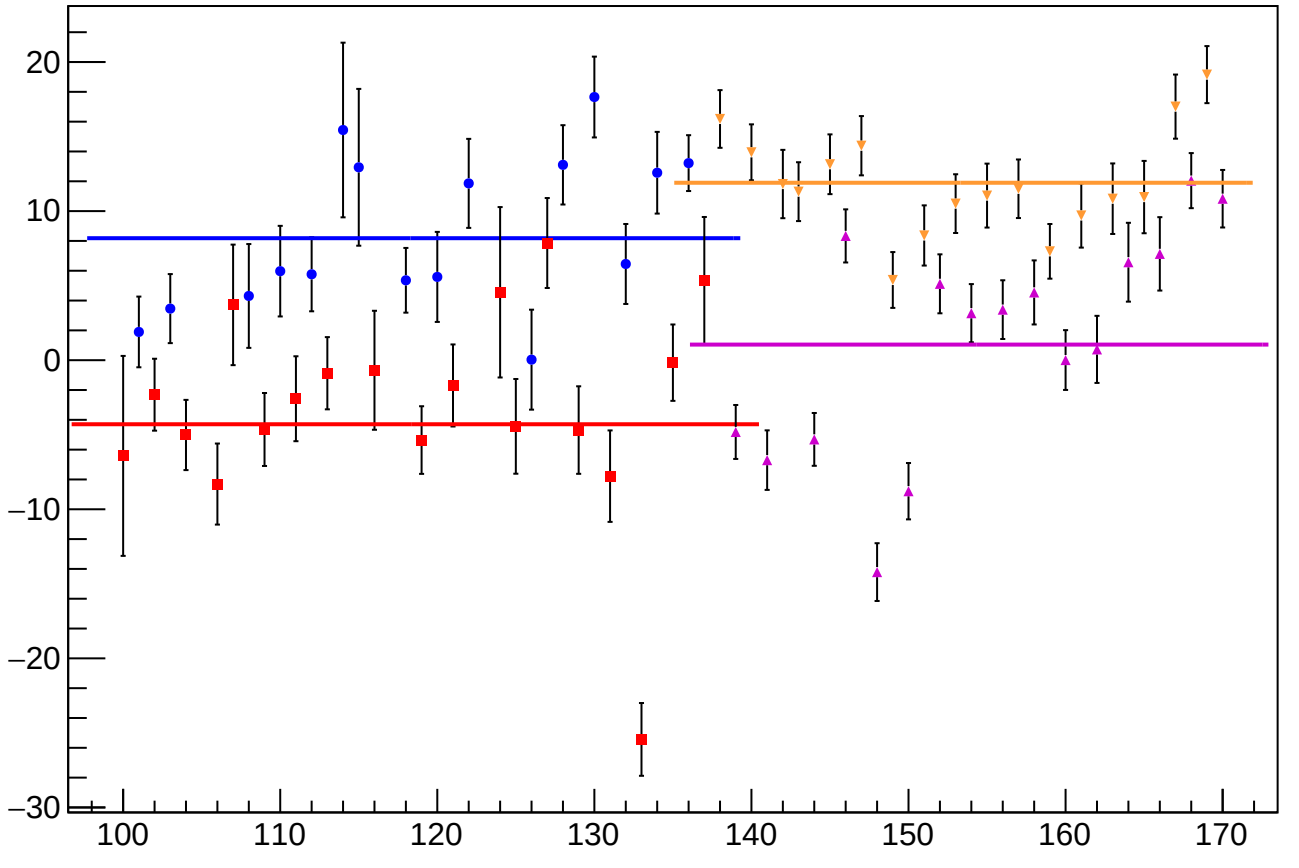
Left: 2000.596+/-0.278 χ^2/NDF: 940216.3/32

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1969.620+/-0.312 χ^2/NDF:549948.3/31

Out: 1961.900+/-0.306 χ^2/NDF:691269.8/35

All: 1965.693+/-0.219 χ^2/NDF: 1241530.0/67



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.902+/-0.493 χ^2/NDF:51.7/16

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 1.047+/-0.497 χ^2/NDF:225.7/15

Left: 6.521+/-0.350 χ^2/NDF: 517.8/32

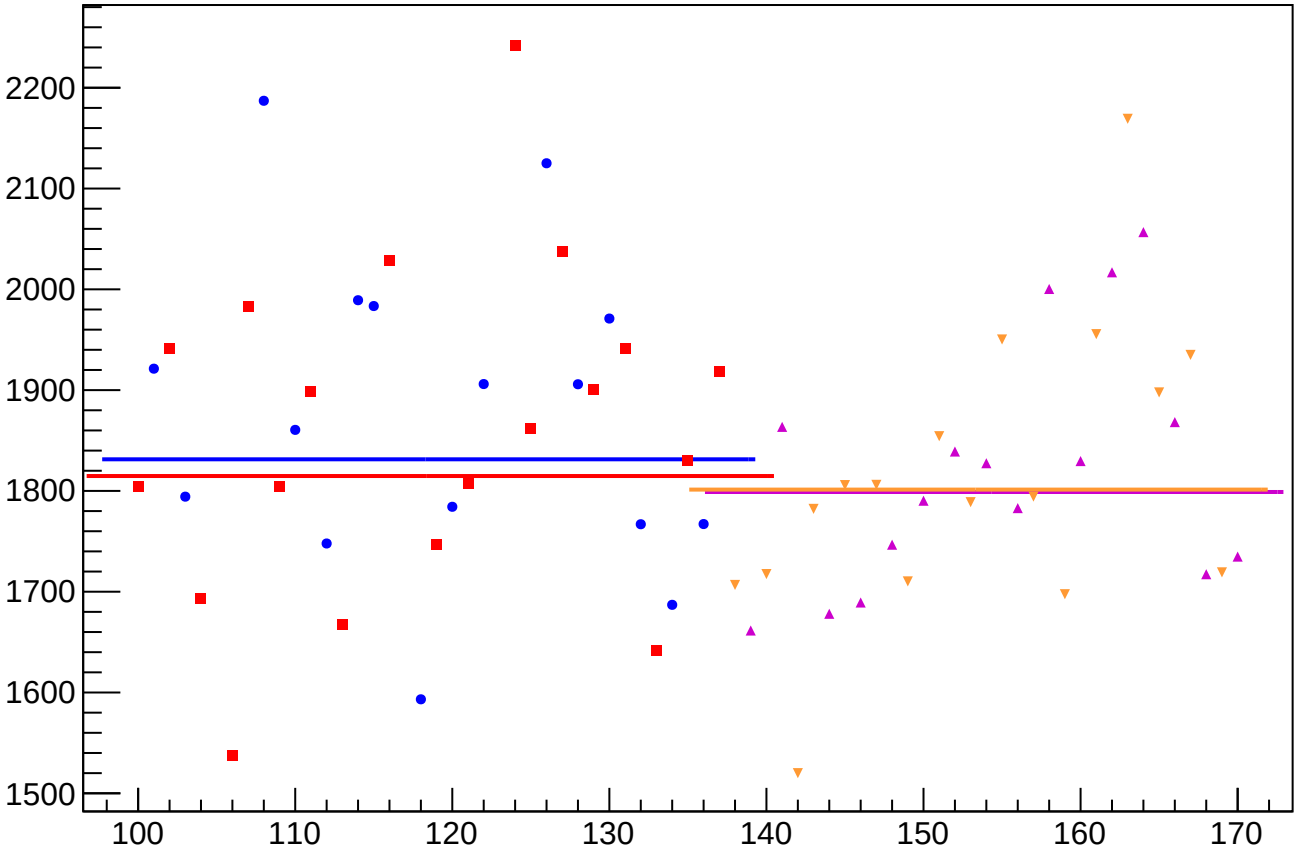
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 3.516+/-0.402 χ^2/NDF:348.9/31

Out: 6.163+/-0.396 χ^2/NDF:548.3/35

All: 4.859+/-0.282 χ^2/NDF: 919.2/67

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1801.310+/-0.349 χ^2/NDF:134555.6/16

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1798.936+/-0.352 χ^2/NDF:96914.5/15

Left: 1800.134+/-0.248 χ^2/NDF: 231493.0/32

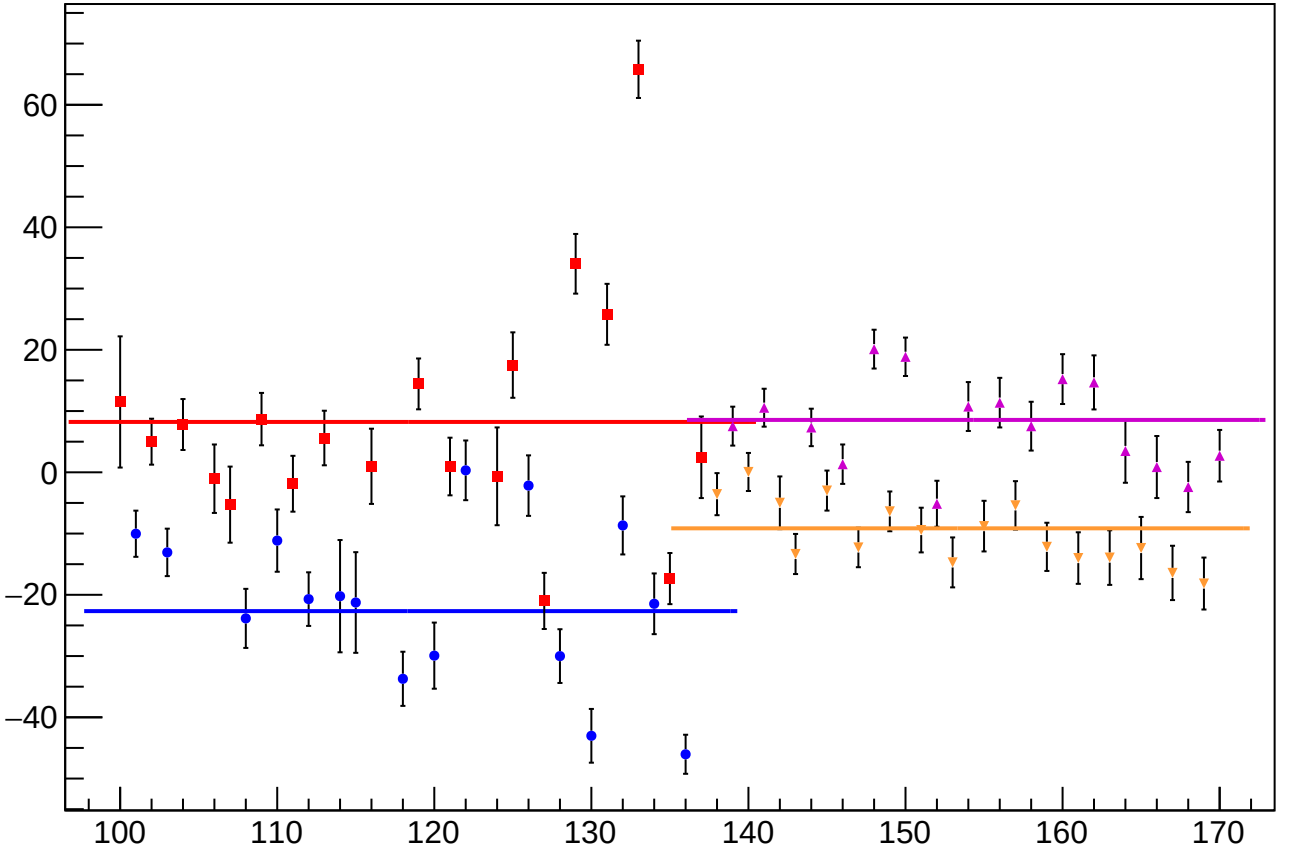
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.156+/-0.284 χ^2/NDF:186776.3/31

Out: 1806.080+/-0.280 χ^2/NDF:225822.9/35

All: 1808.087+/-0.200 χ^2/NDF: 412703.5/67

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -9.147+/-0.915 χ^2/NDF:32.7/16

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 8.553+/-0.925 χ^2/NDF:60.9/15

Left: -0.392+/-0.650 χ^2/NDF: 278.7/32

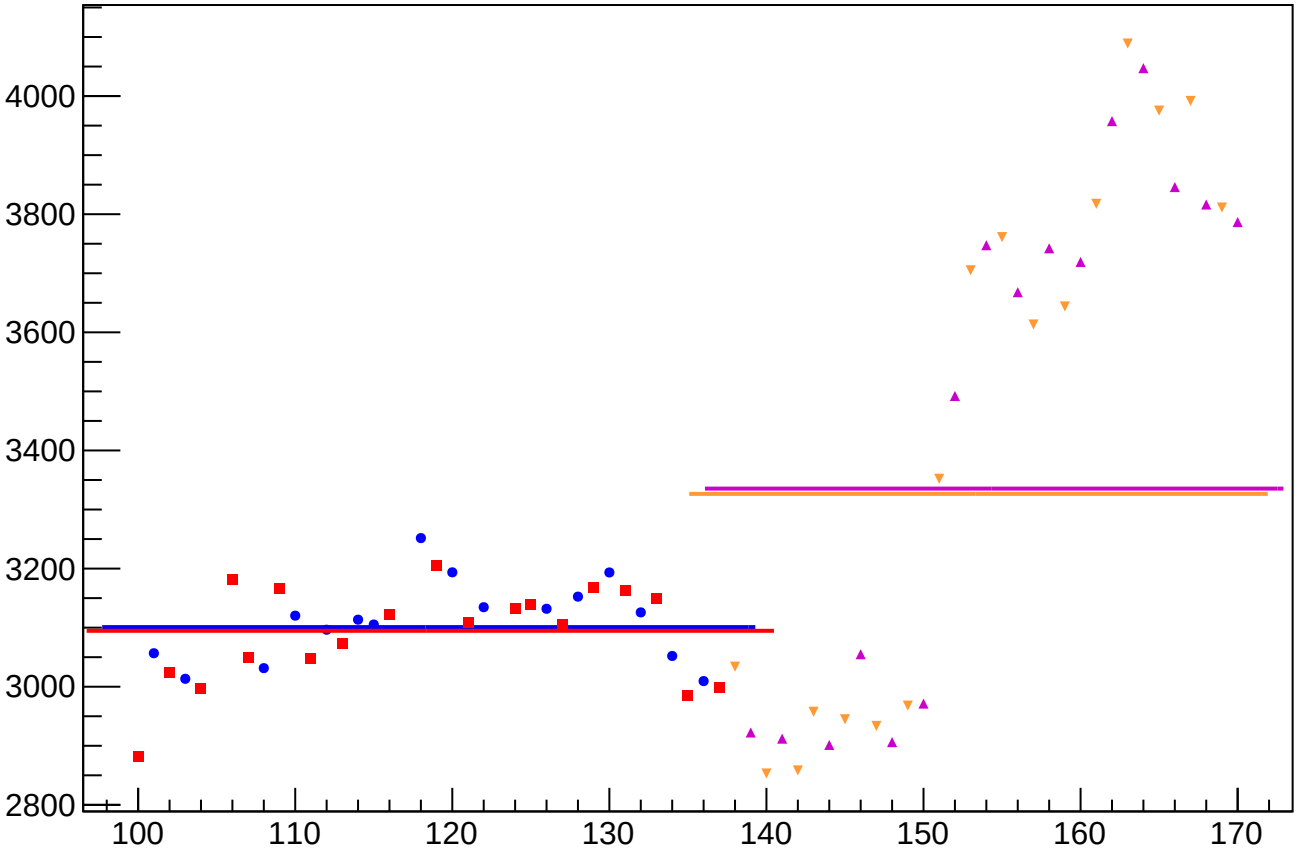
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.681+/-0.721 χ^2/NDF:664.6/31

Out: -2.260+/-0.711 χ^2/NDF:470.4/35

All: -2.960+/-0.506 χ^2/NDF: 1137.0/67

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3326.518+/-0.647 χ^2/NDF:443883.1/16

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3335.430+/-0.654 χ^2/NDF:415233.1/15

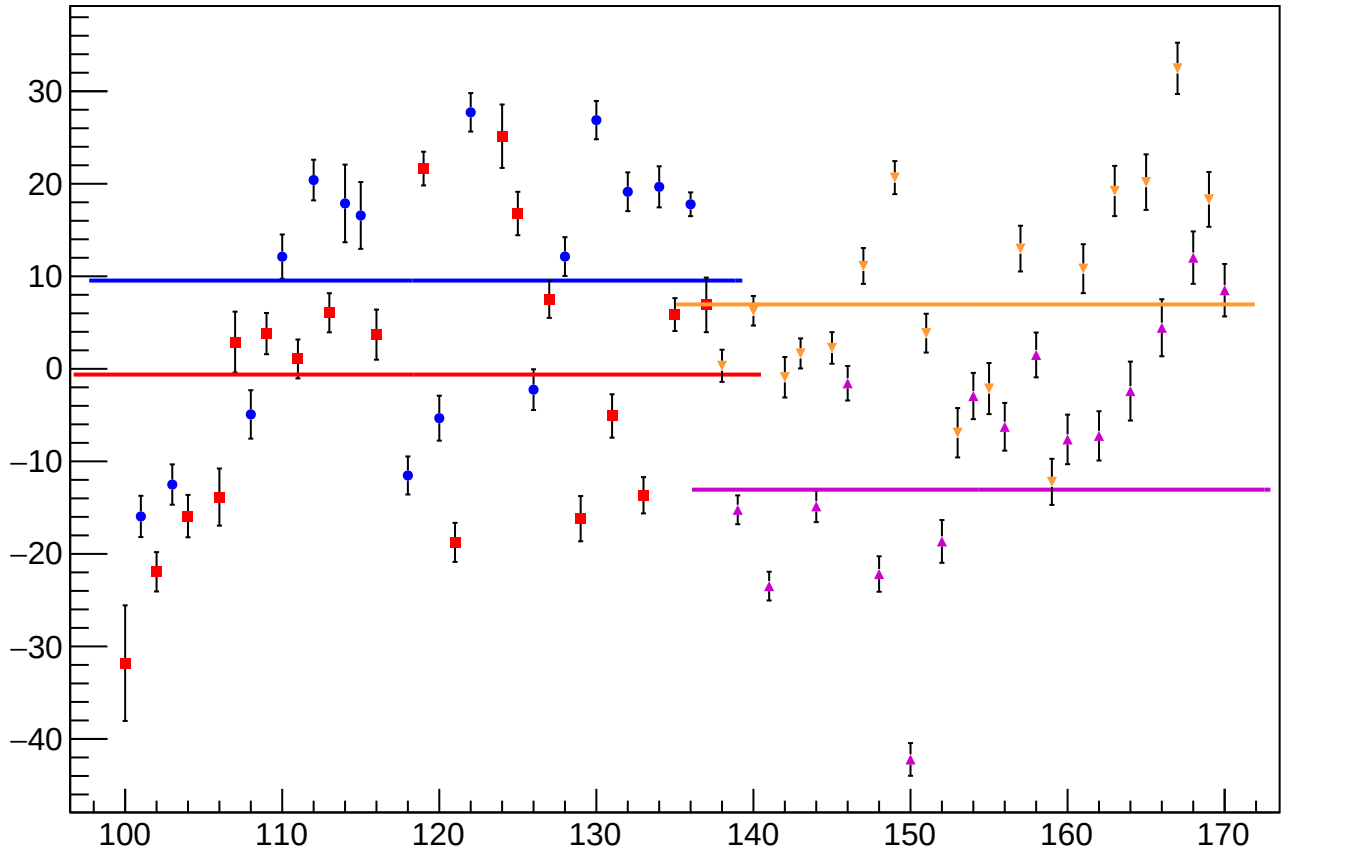
Left: 3330.926+/-0.460 χ^2/NDF: 859210.1/32

Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

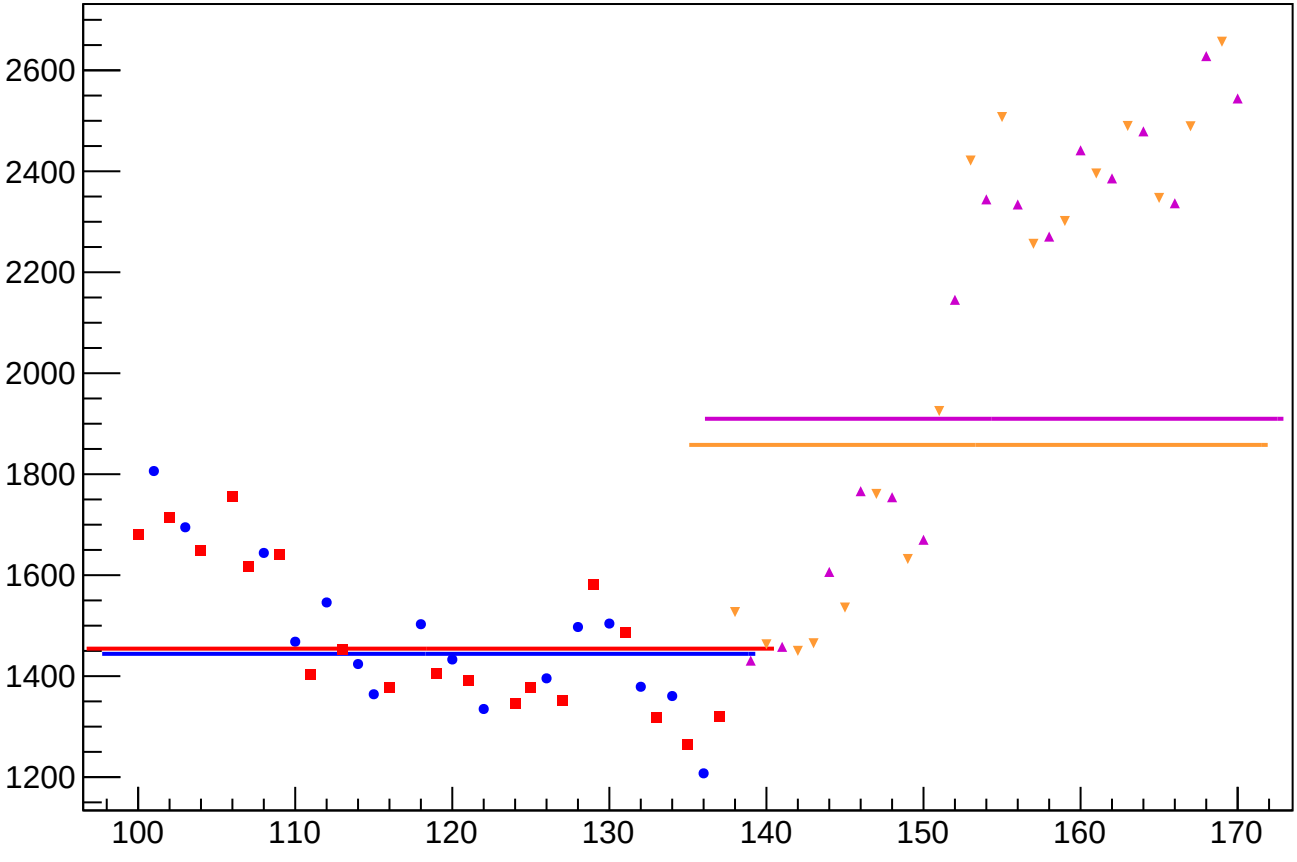
In: 3243.529+/-0.510 χ^2/NDF:473521.4/31

Out: 3234.607+/-0.503 χ^2/NDF:503381.7/35

All: 3239.003+/-0.358 χ^2/NDF: 977058.3/67


diff_bpm0l01Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: 9.540+/-0.541 χ²/NDF: 698.7/15
Left Out: 6.963+/-0.520 χ²/NDF:355.9/16
Right Out: -0.620+/-0.534 χ²/NDF: 665.8/18
Left In: -13.058+/-0.538 χ²/NDF:635.0/15
Left: -2.712+/-0.374 χ²/NDF: 1706.2/32
Right: 4.392+/-0.380 χ²/NDF: 1543.1/34
In: -1.826+/-0.382 χ²/NDF:2210.3/31
Out: 3.271+/-0.373 χ²/NDF:1125.1/35
All: 0.782+/-0.267 χ²/NDF: 3426.7/67

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1858.030+/-0.368 χ^2/NDF:1300499.8/16

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1909.787+/-0.380 χ^2/NDF:1138042.2/15

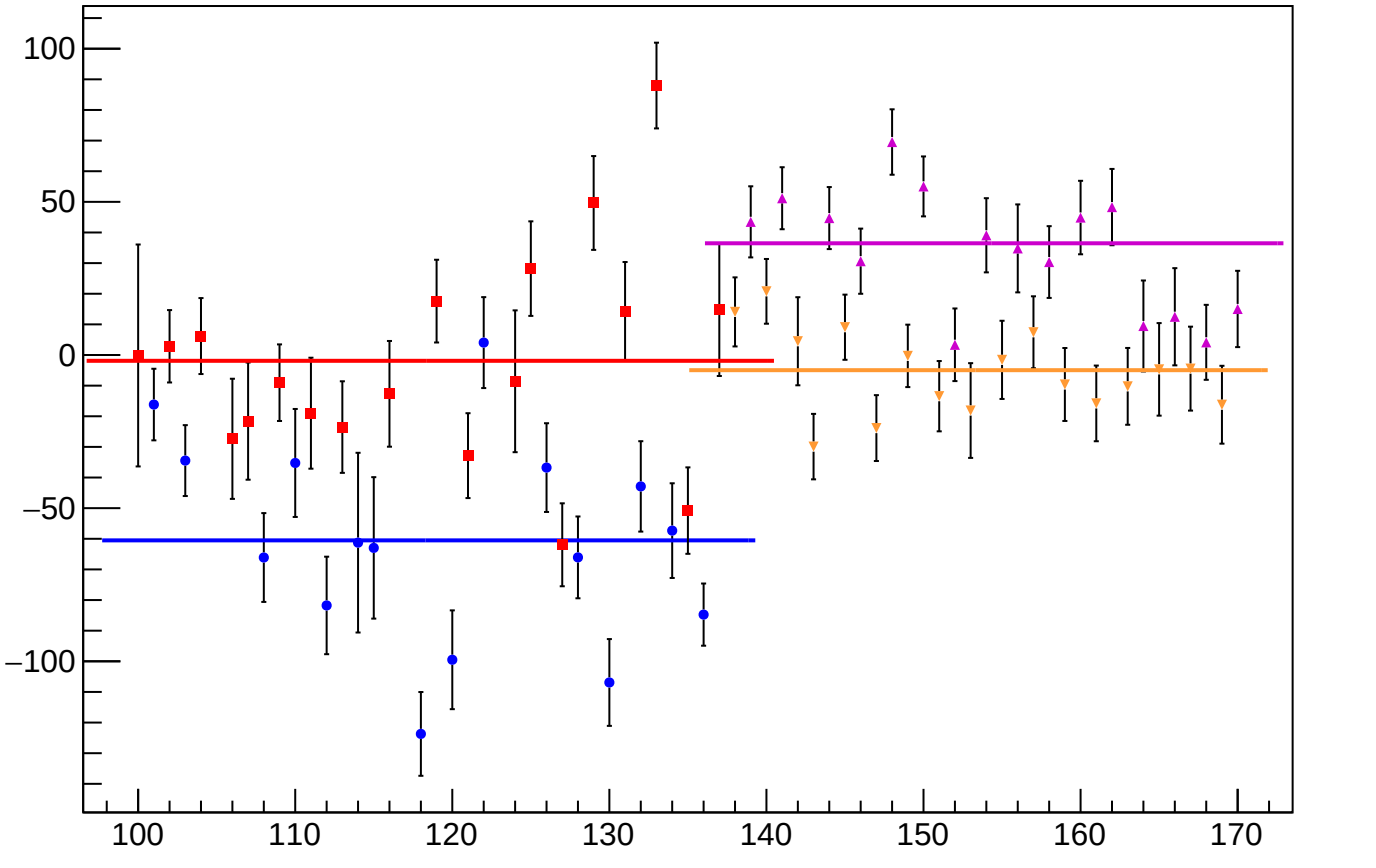
Left: 1883.043+/-0.265 χ^2/NDF: 2448103.7/32

Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

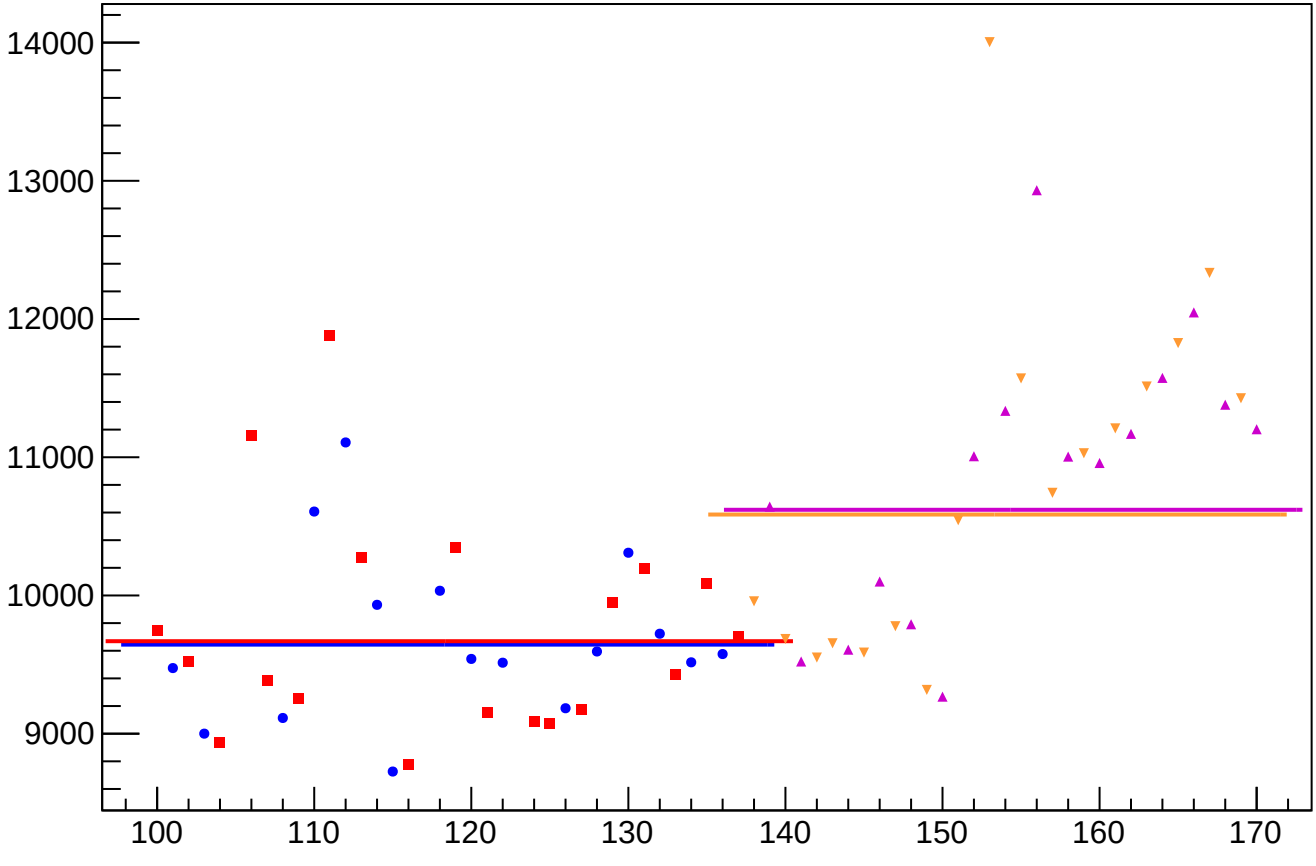
In: 1678.377+/-0.270 χ^2/NDF:2062460.3/31

Out: 1661.504+/-0.264 χ^2/NDF:2029032.6/35

All: 1669.741+/-0.189 χ^2/NDF: 4093494.0/67


diff_bpm0l02X_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -60.516+/-3.596 χ²/NDF: 90.3/15
Left Out: -4.953+/-2.904 χ²/NDF:24.0/16
Right Out: -1.894+/-3.543 χ²/NDF: 103.8/18
Left In: 36.475+/-2.935 χ²/NDF:41.7/15
Left: 15.544+/-2.064 χ²/NDF: 166.4/32
Right: -30.766+/-2.524 χ²/NDF: 329.0/34
In: -2.300+/-2.274 χ²/NDF:568.6/31
Out: -3.724+/-2.246 χ²/NDF:128.3/35
All: -3.020+/-1.598 χ²/NDF: 697.2/67

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10585.579+/-2.054 χ^2/NDF:289738.3/16

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10619.914+/-2.075 χ^2/NDF:203662.2/15

Left: 10602.567+/-1.460 χ^2/NDF: 493538.9/32

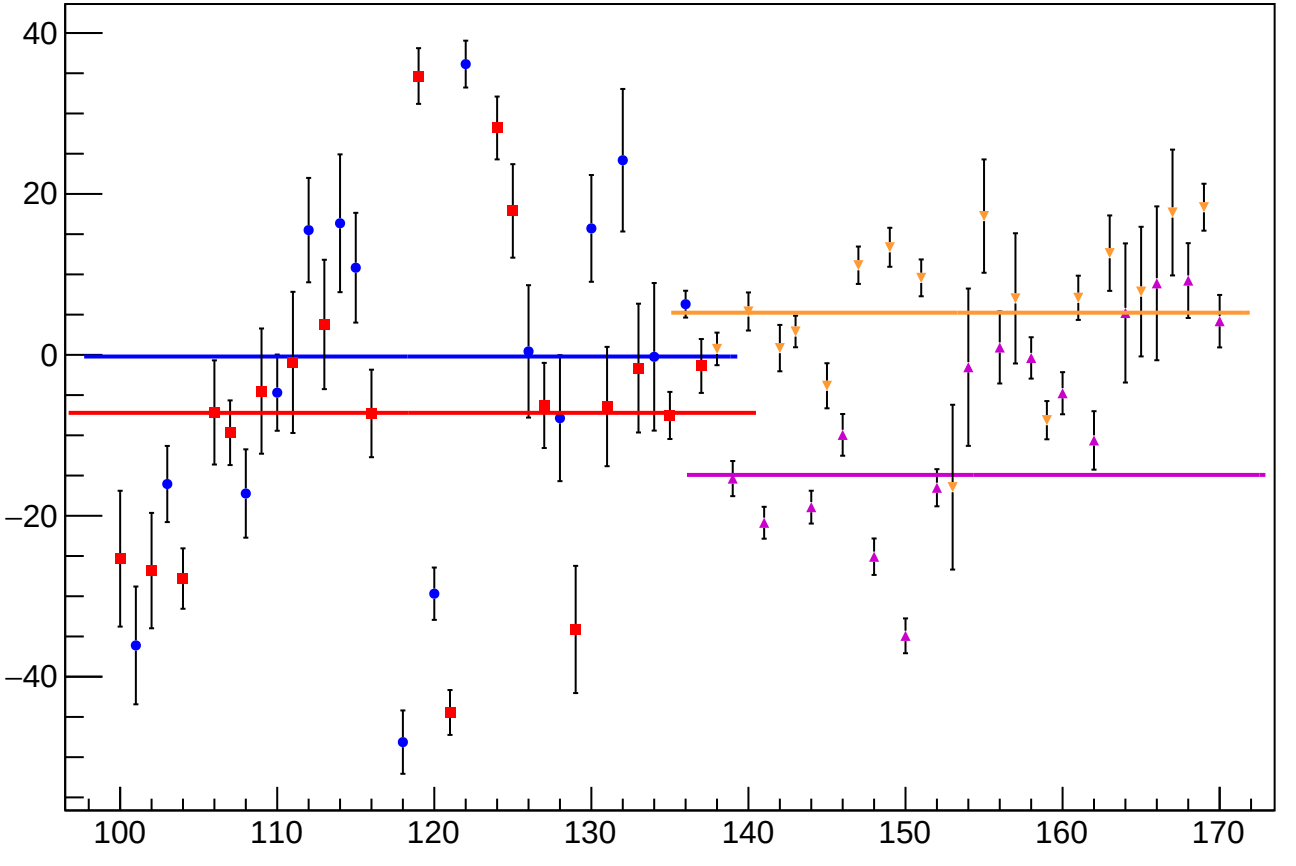
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10229.923+/-1.608 χ^2/NDF:336094.6/31

Out: 10217.231+/-1.588 χ^2/NDF:449653.3/35

All: 10223.499+/-1.130 χ^2/NDF: 785779.5/67

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.242+/-0.703 χ^2/NDF:105.3/16

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -14.920+/-0.699 χ^2/NDF:258.3/15

Left: -4.892+/-0.496 χ^2/NDF: 777.5/32

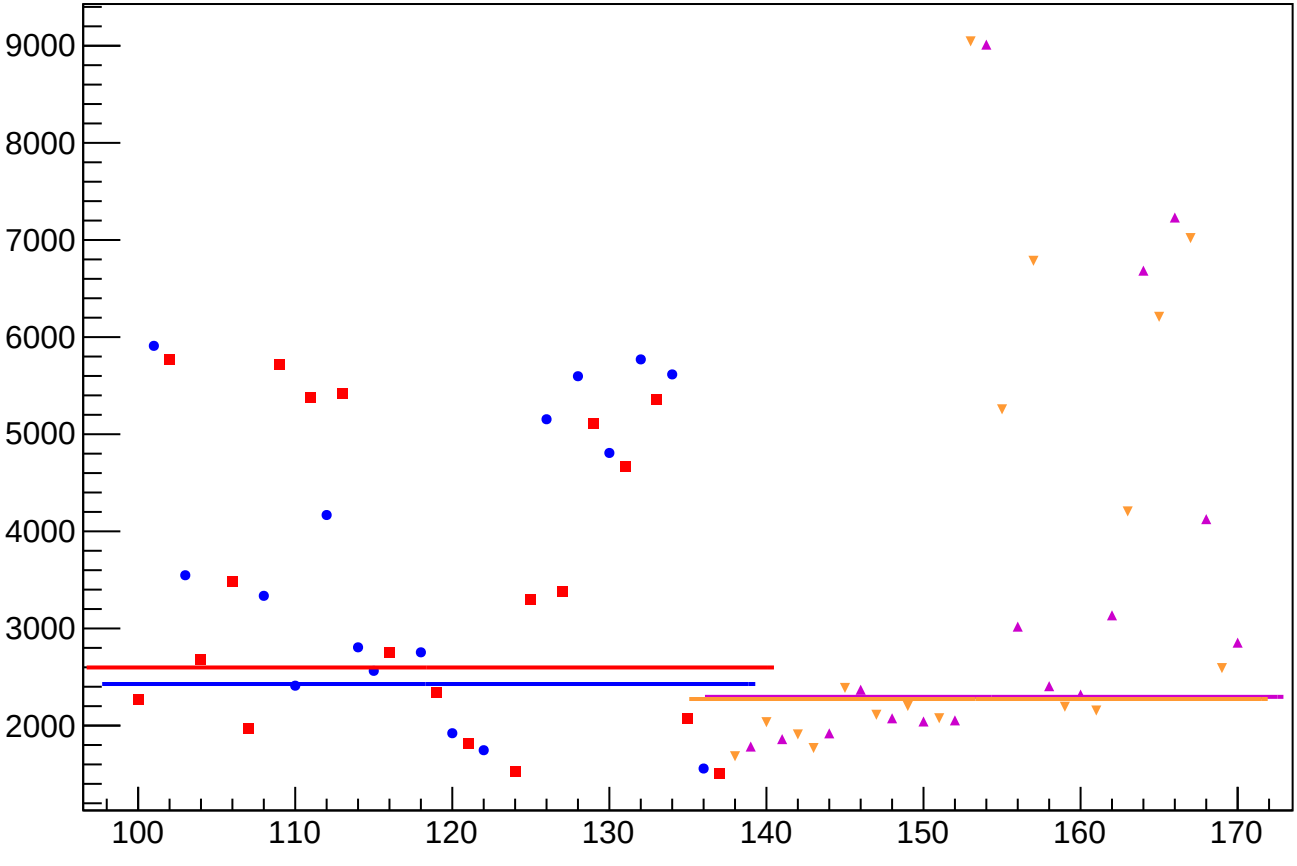
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -10.374+/-0.581 χ^2/NDF:868.9/31

Out: 1.509+/-0.588 χ^2/NDF:685.1/35

All: -4.503+/-0.413 χ^2/NDF: 1760.7/67

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2273.680+/-0.497 χ^2/NDF:3822465.2/16

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2295.893+/-0.494 χ^2/NDF:2867134.2/15

Left: 2284.845+/-0.350 χ^2/NDF: 6690604.2/32

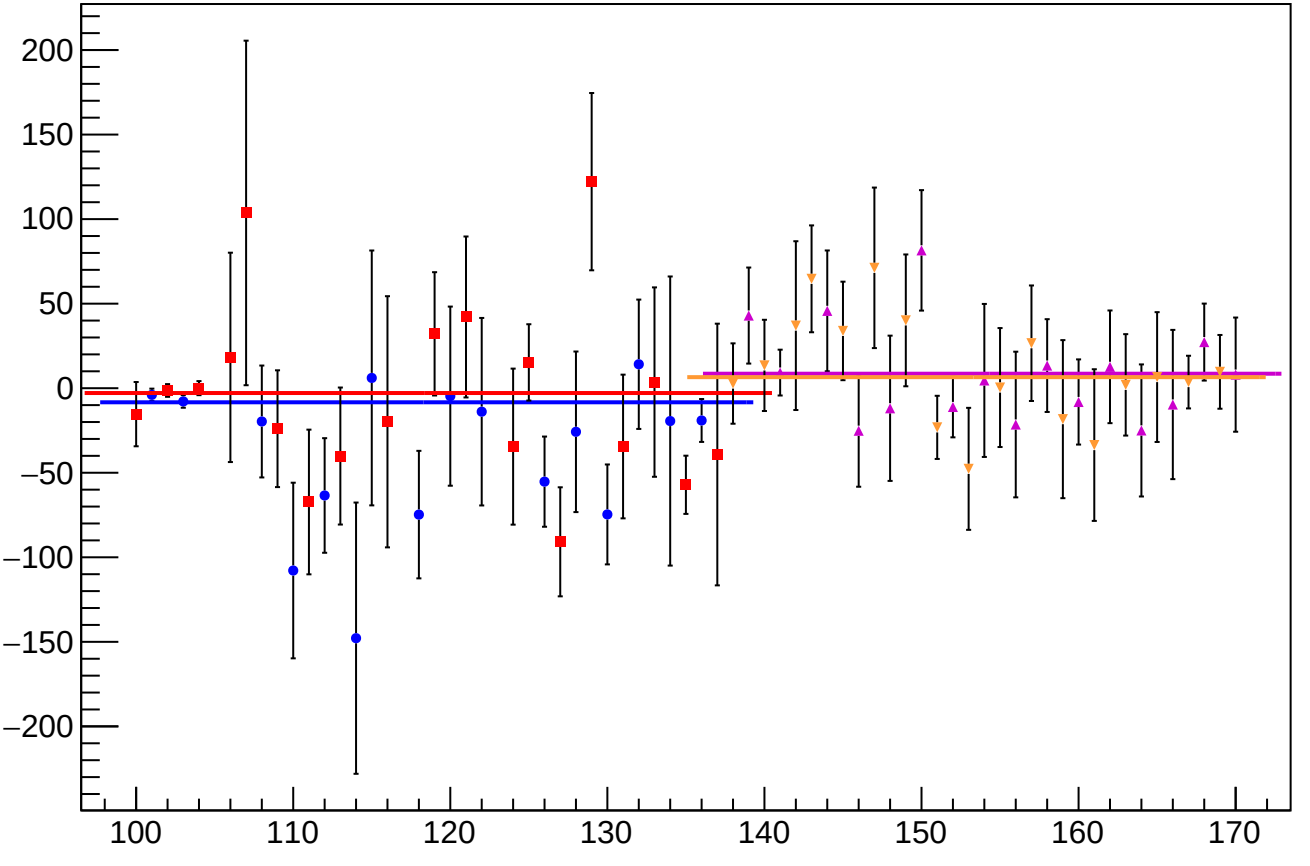
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2336.727+/-0.411 χ^2/NDF:5704570.5/31

Out: 2371.024+/-0.416 χ^2/NDF:6465431.0/35

All: 2353.673+/-0.292 χ^2/NDF: 12173444.9/6

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.534+/-6.884 χ^2/NDF:13.7/16

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 8.572+/-6.802 χ^2/NDF:11.8/15

Left: 7.565+/-4.838 χ^2/NDF: 25.5/32

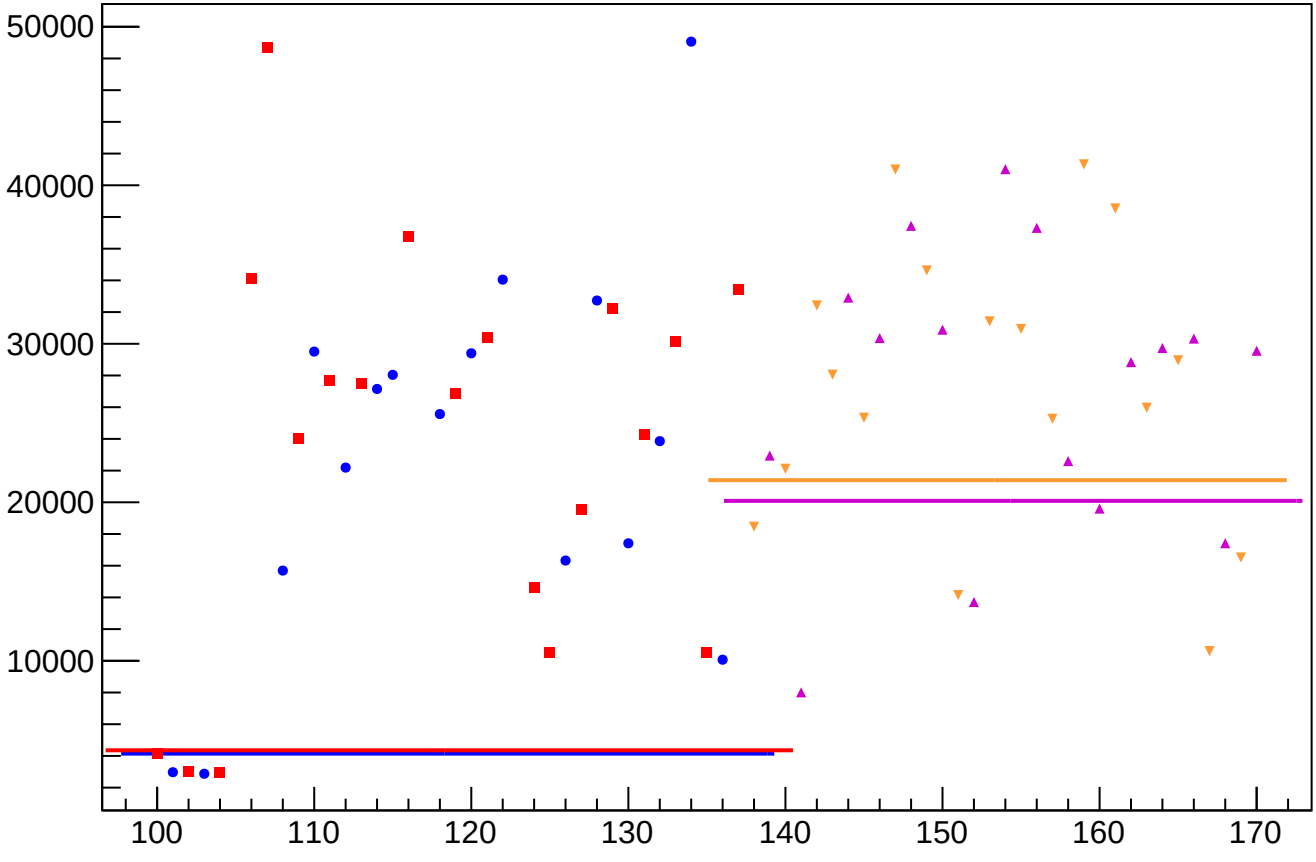
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.321+/-2.346 χ^2/NDF:40.6/31

Out: -1.646+/-2.465 χ^2/NDF:47.9/35

All: -4.099+/-1.699 χ^2/NDF: 90.4/67

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21397.070+/-4.868 χ^2/NDF:3293611.6/16

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20090.252+/-4.809 χ^2/NDF:4139902.1/15

Left: 20735.738+/-3.421 χ^2/NDF: 7469982.6/32

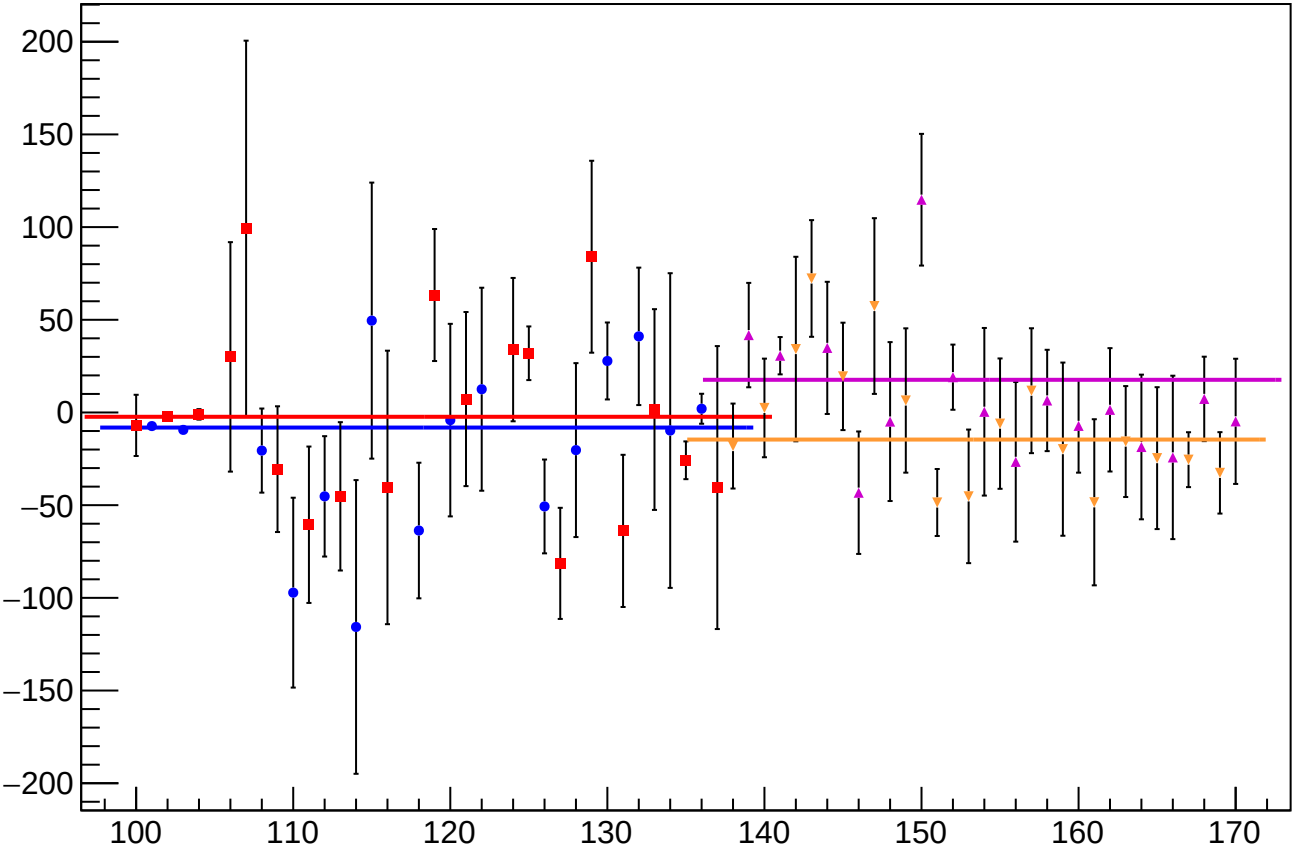
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6042.728+/-1.659 χ^2/NDF:20660293.9/31

Out: 6538.647+/-1.743 χ^2/NDF:21603921.1/35

All: 6278.465+/-1.202 χ^2/NDF: 42306698.1/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -14.608+/-6.751 χ^2/NDF:19.8/16

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 17.627+/-6.175 χ^2/NDF:18.8/15

Left: 2.944+/-4.556 χ^2/NDF: 51.0/32

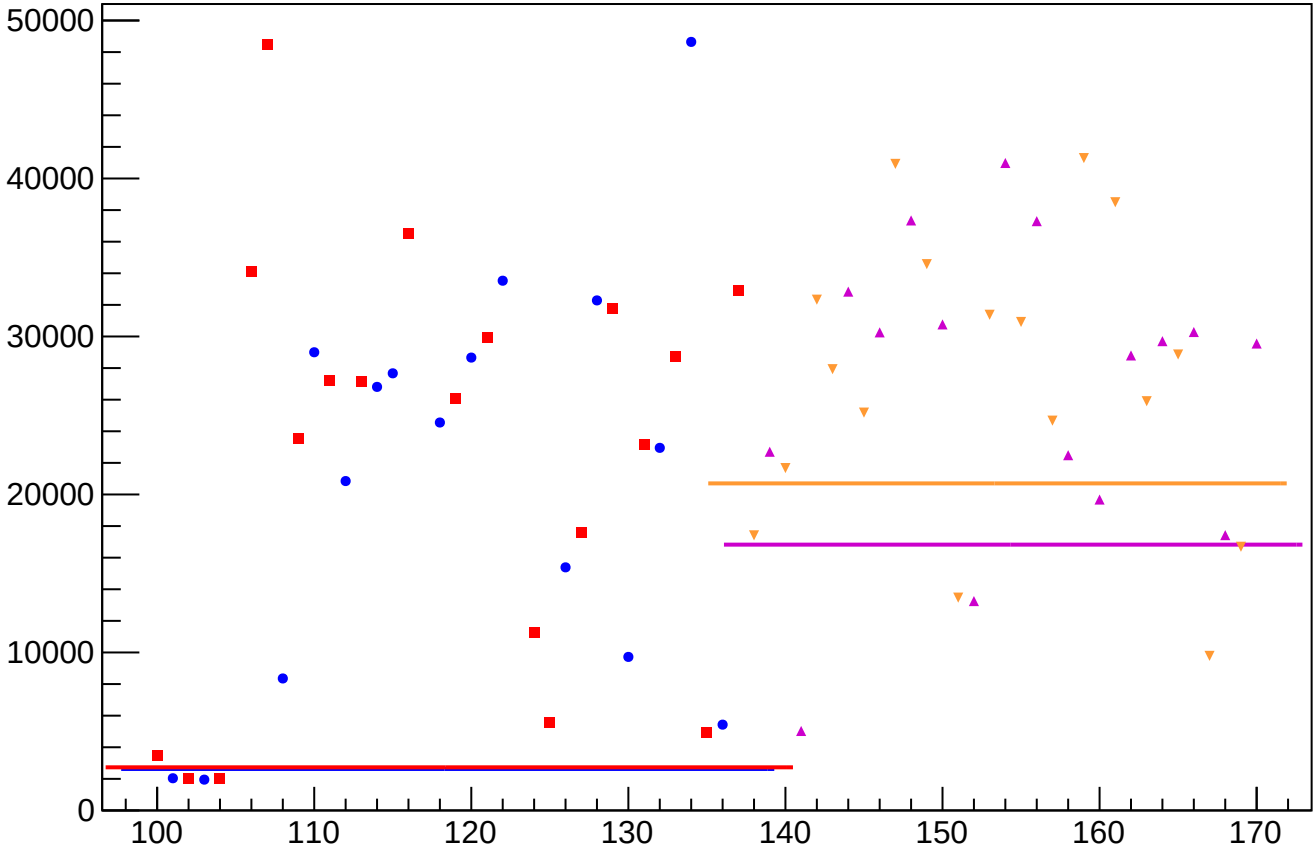
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.277+/-1.657 χ^2/NDF:54.0/31

Out: -3.158+/-1.759 χ^2/NDF:55.9/35

All: -4.810+/-1.206 χ^2/NDF: 111.6/67

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20701.105+/-4.774 χ^2/NDF:3626584.5/16

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 16824.778+/-4.366 χ^2/NDF:6501013.6/15

Left: 18590.455+/-3.222 χ^2/NDF: 10486635.2/32

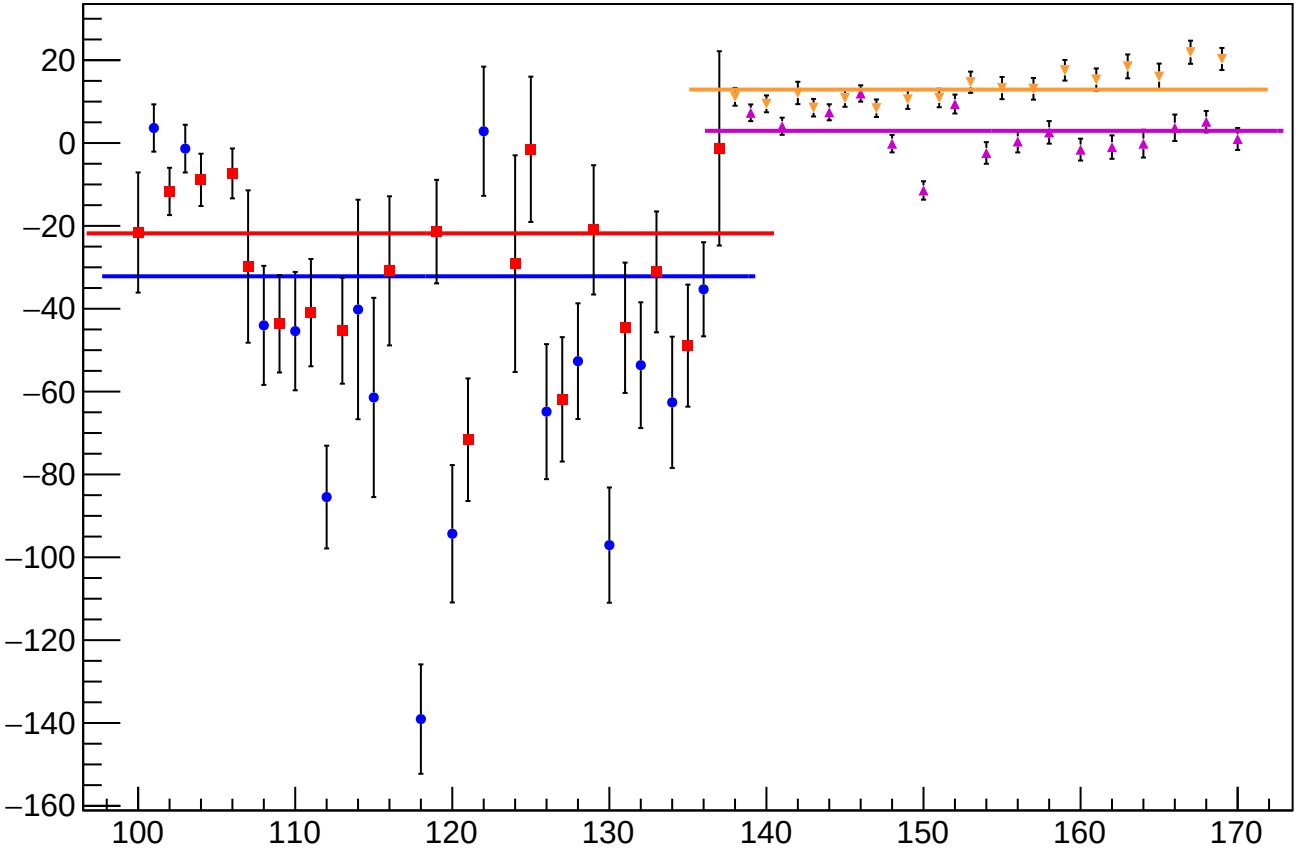
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3649.251+/-1.172 χ^2/NDF:23095165.1/31

Out: 3949.933+/-1.244 χ^2/NDF:24822999.9/35

All: 3790.667+/-0.853 χ^2/NDF: 47949128.5/6

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.901+/-0.589 χ^2/NDF:42.9/16

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 2.941+/-0.599 χ^2/NDF:95.6/15

Left: 8.003+/-0.420 χ^2/NDF: 279.1/32

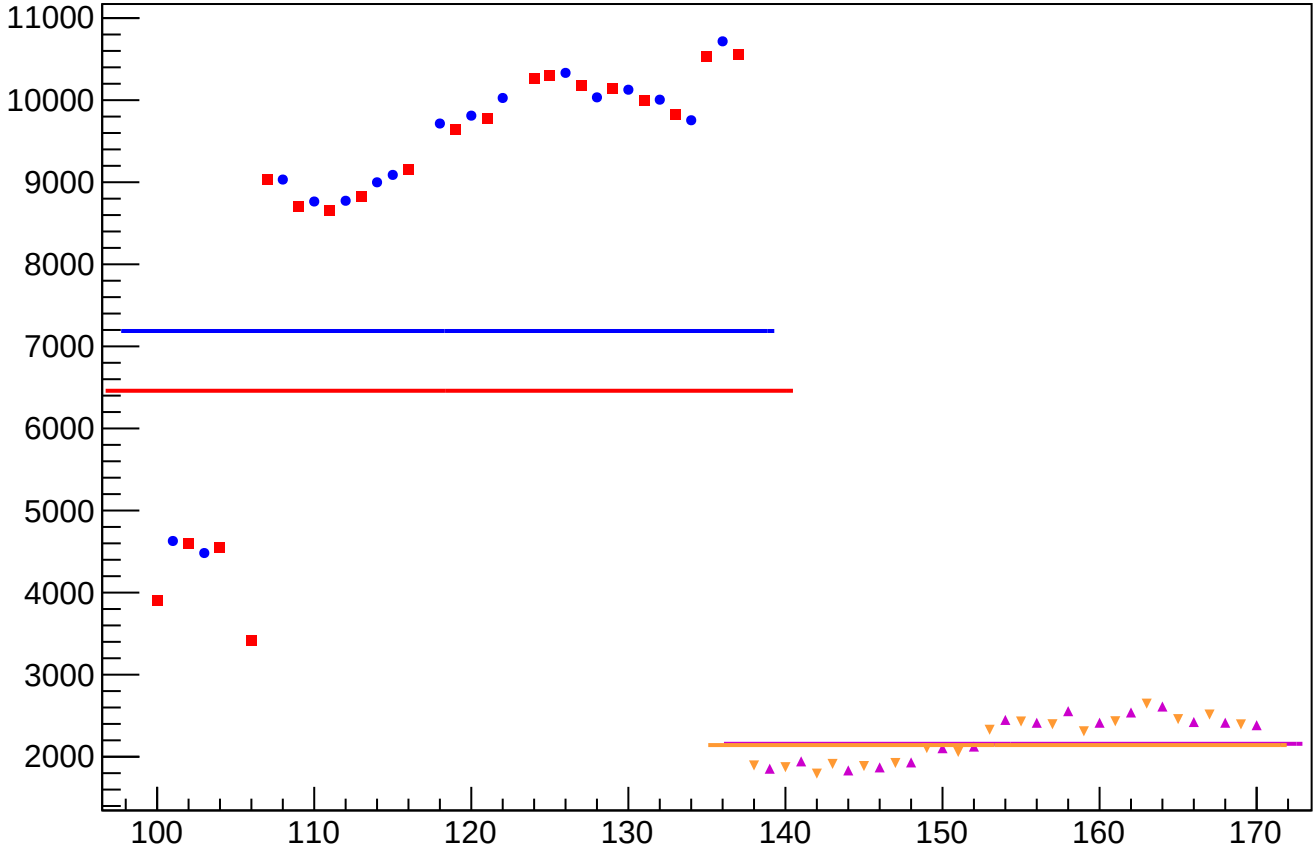
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.449+/-0.586 χ^2/NDF:449.5/31

Out: 11.154+/-0.574 χ^2/NDF:266.8/35

All: 6.402+/-0.410 χ^2/NDF: 856.4/67

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2142.234+/-0.416 χ^2/NDF:392443.3/16

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2157.742+/-0.423 χ^2/NDF:416039.3/15

Left: 2149.860+/-0.297 χ^2/NDF: 809164.7/32

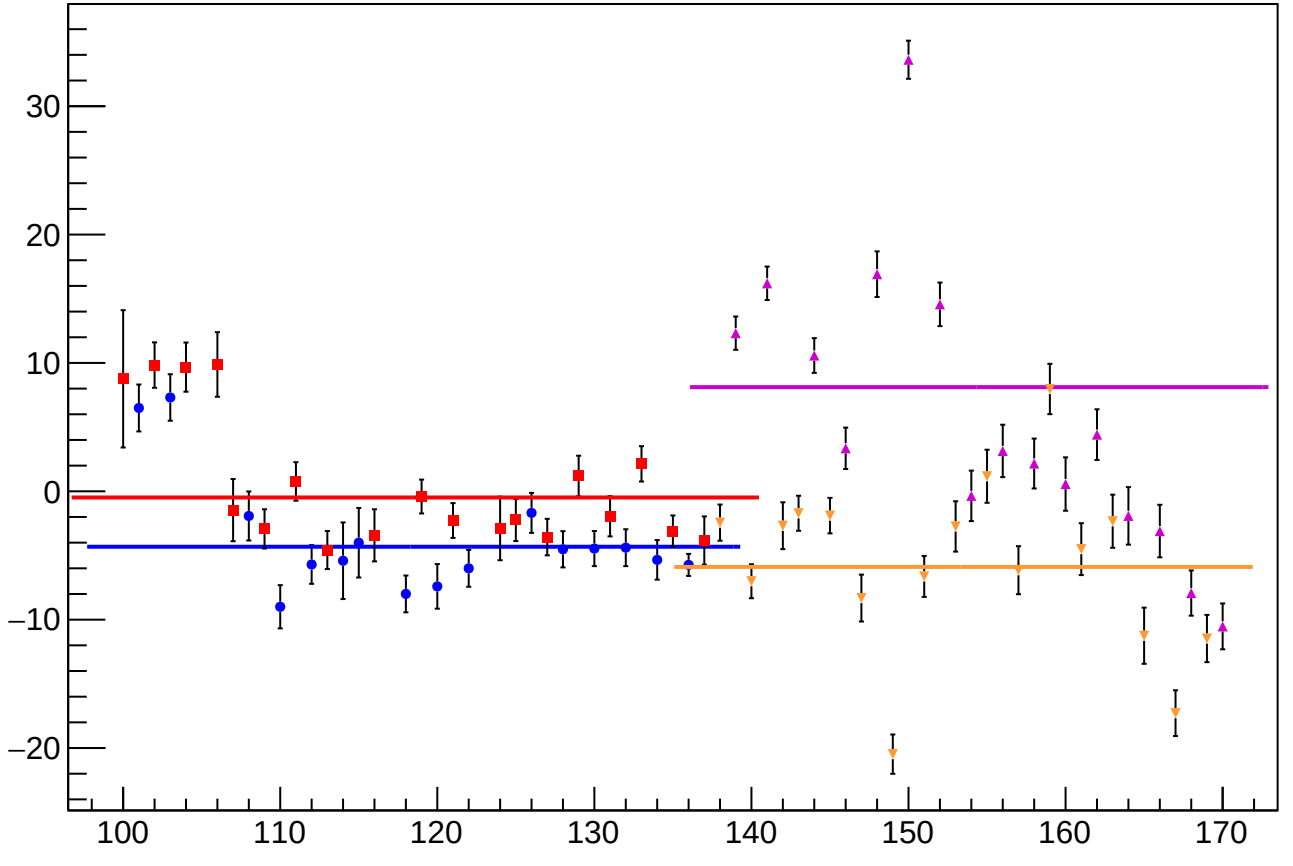
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2371.459+/-0.414 χ^2/NDF:8120966.9/31

Out: 2359.593+/-0.406 χ^2/NDF:8081350.5/35

All: 2365.404+/-0.290 χ^2/NDF: 16202736.2/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.892+/-0.412 χ^2/NDF:244.0/16

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 8.116+/-0.424 χ^2/NDF:687.4/15

Left: 0.906+/-0.296 χ^2/NDF: 1492.4/32

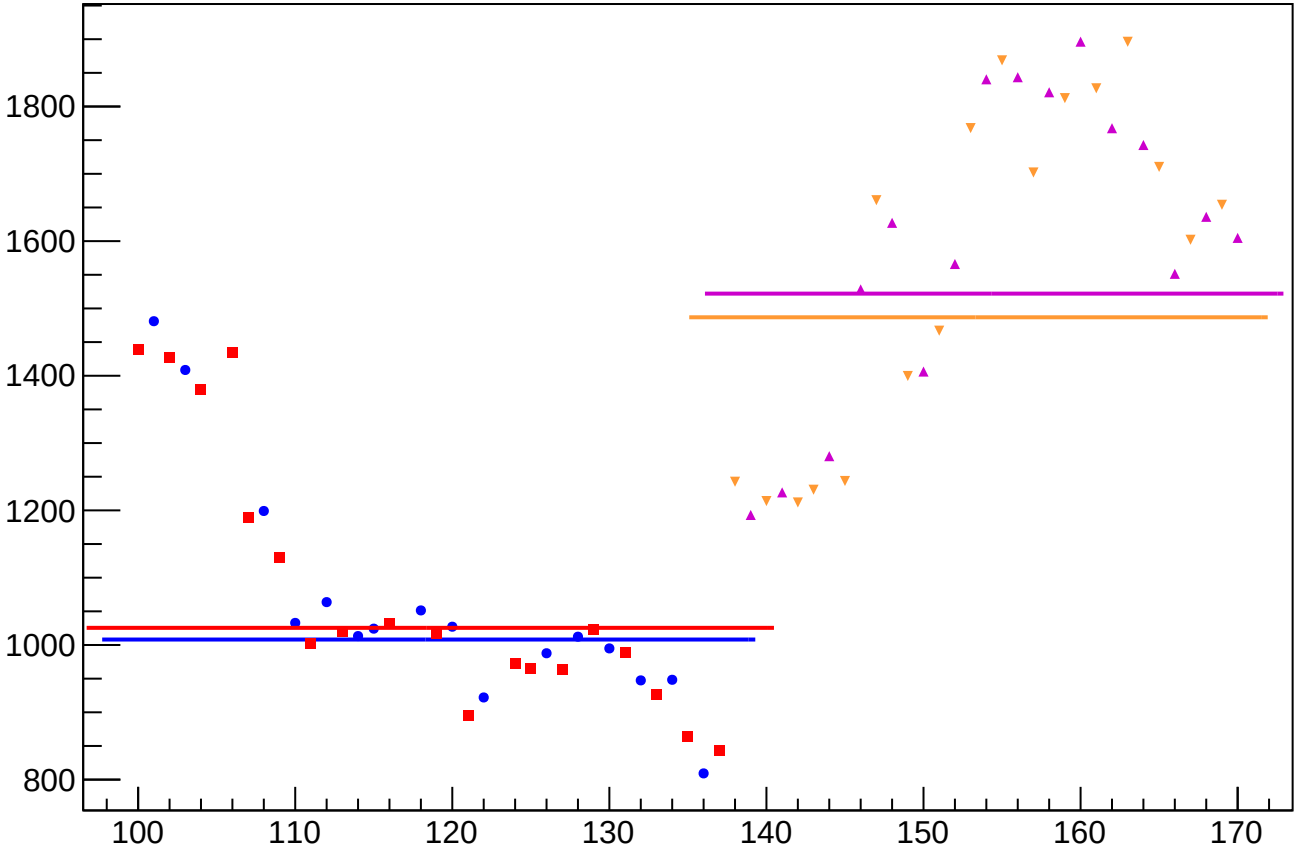
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.212+/-0.283 χ^2/NDF:1268.0/31

Out: -2.959+/-0.279 χ^2/NDF:454.7/35

All: -0.904+/-0.199 χ^2/NDF: 1832.9/67

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1486.853+/-0.291 χ^2/NDF:719707.6/16

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1522.023+/-0.300 χ^2/NDF:592921.8/15

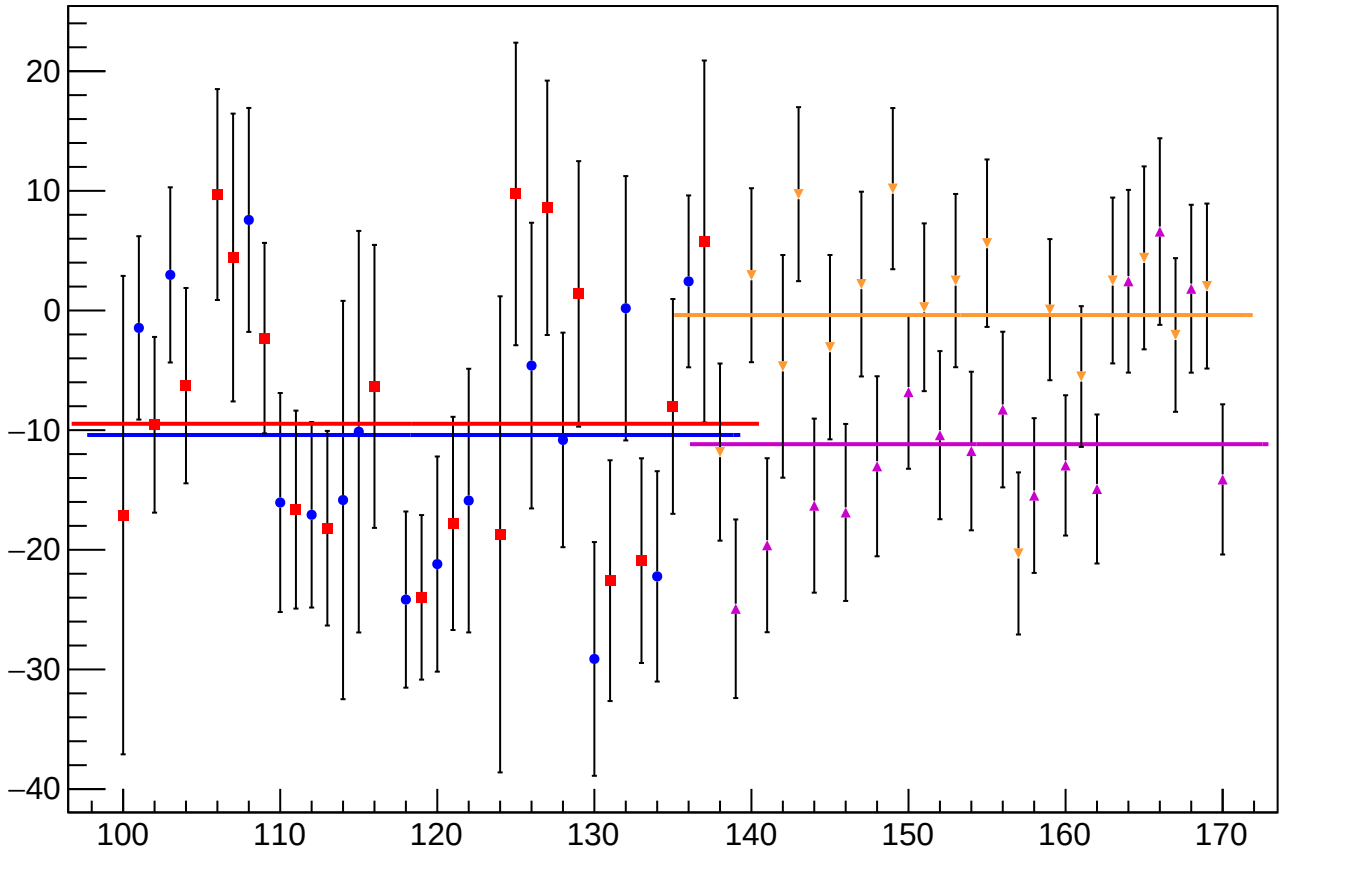
Left: 1503.922+/-0.209 χ^2/NDF: 1319703.0/32

Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

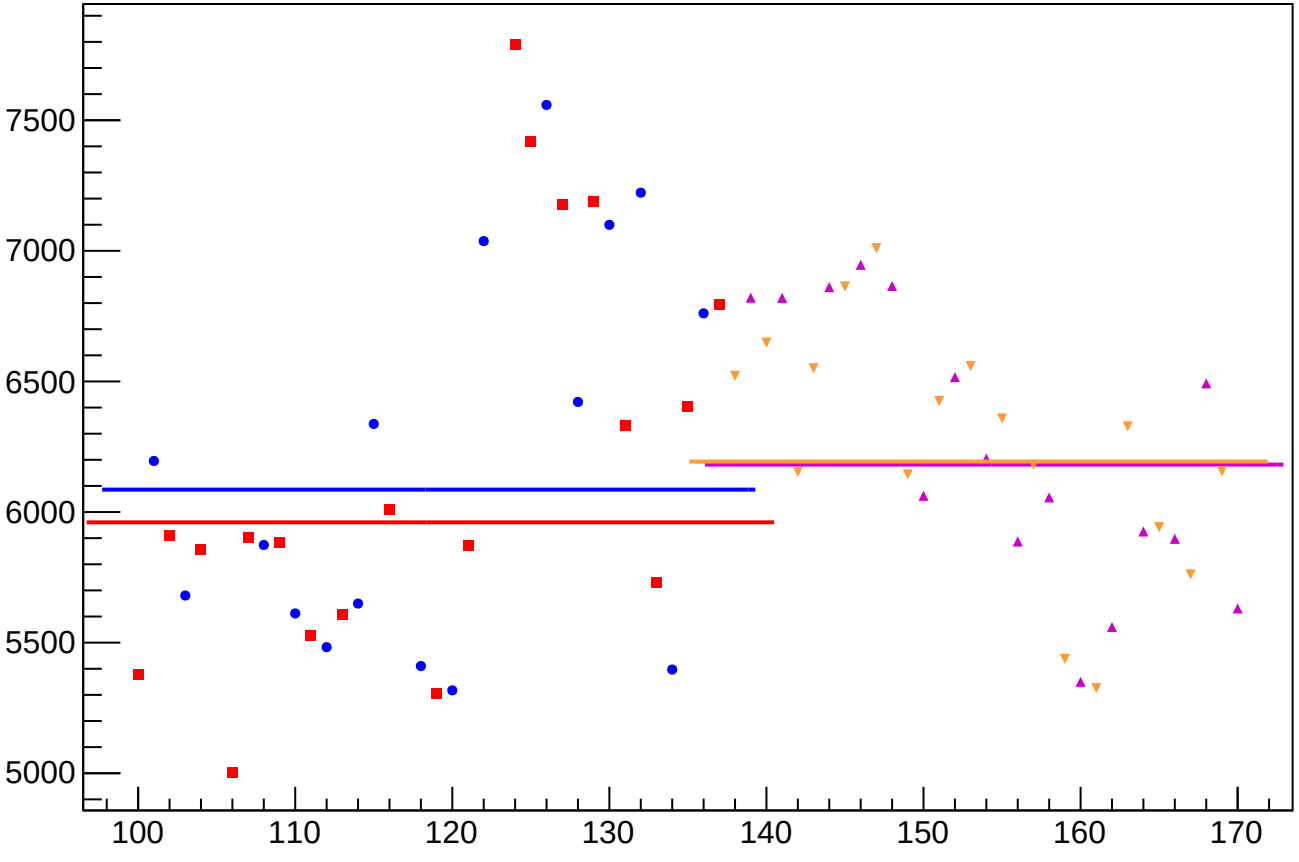
In: 1236.705+/-0.200 χ^2/NDF:2601018.6/31

Out: 1236.755+/-0.197 χ^2/NDF:2425331.5/35

All: 1236.730+/-0.140 χ^2/NDF: 5026350.2/67


diff_bpm0l05X_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: -10.404+/-2.280 χ²/NDF: 24.6/15
Left Out: -0.380+/-1.700 χ²/NDF:18.5/16
Right Out: -9.467+/-2.191 χ²/NDF: 25.4/18
Left In: -11.172+/-1.713 χ²/NDF:19.5/15
Left: -5.736+/-1.207 χ²/NDF: 58.0/32
Right: -9.917+/-1.580 χ²/NDF: 50.1/34
In: -10.895+/-1.370 χ²/NDF:44.2/31
Out: -3.796+/-1.343 χ²/NDF:54.6/35
All: -7.277+/-0.959 χ²/NDF: 112.5/67

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6193.367+/-1.202 χ^2/NDF:151005.6/16

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6181.585+/-1.211 χ^2/NDF:179980.6/15

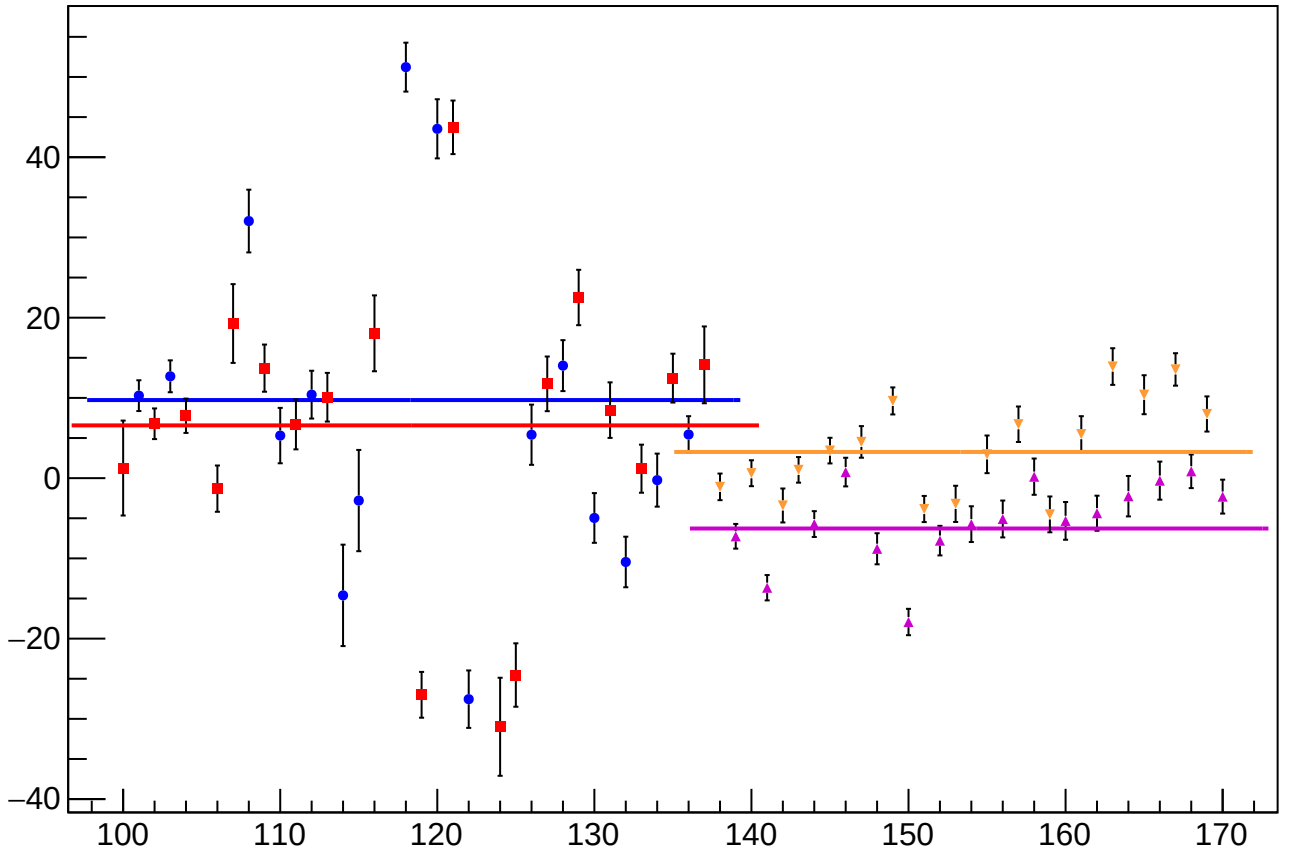
Left: 6187.519+/-0.853 χ^2/NDF: 331033.9/32

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6147.051+/-0.968 χ^2/NDF:361352.2/31

Out: 6105.864+/-0.950 χ^2/NDF:327864.7/35

All: 6126.059+/-0.678 χ^2/NDF: 690138.7/67



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.265+/-0.469 χ^2/NDF:139.9/16

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.277+/-0.487 χ^2/NDF:124.0/15

Left: -1.332+/-0.338 χ^2/NDF: 462.9/32

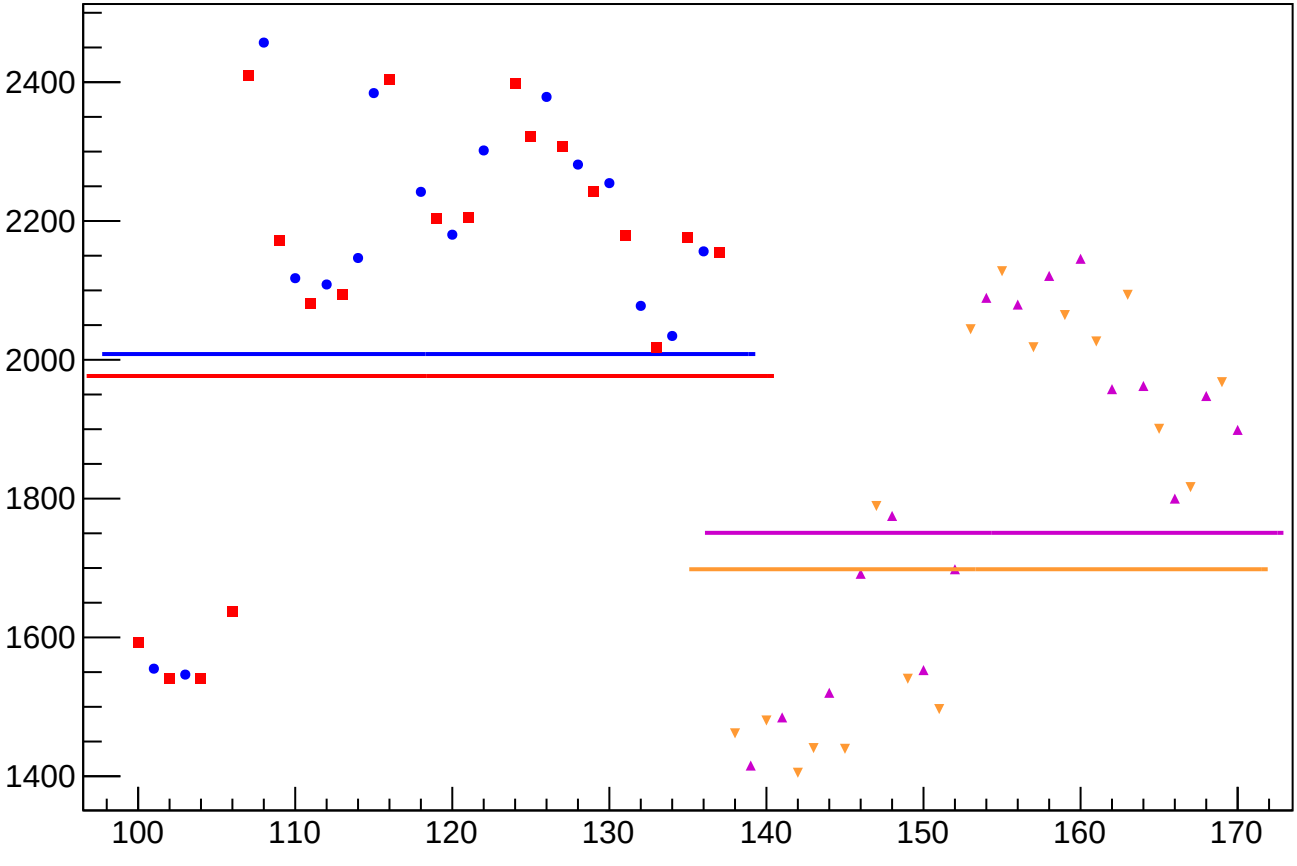
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.574+/-0.409 χ^2/NDF:954.0/31

Out: 4.233+/-0.395 χ^2/NDF:578.2/35

All: 1.433+/-0.284 χ^2/NDF: 1636.4/67

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1698.237+/-0.332 χ^2/NDF:635938.4/16

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1750.695+/-0.344 χ^2/NDF:483443.2/15

Left: 1723.509+/-0.239 χ^2/NDF: 1131413.9/32

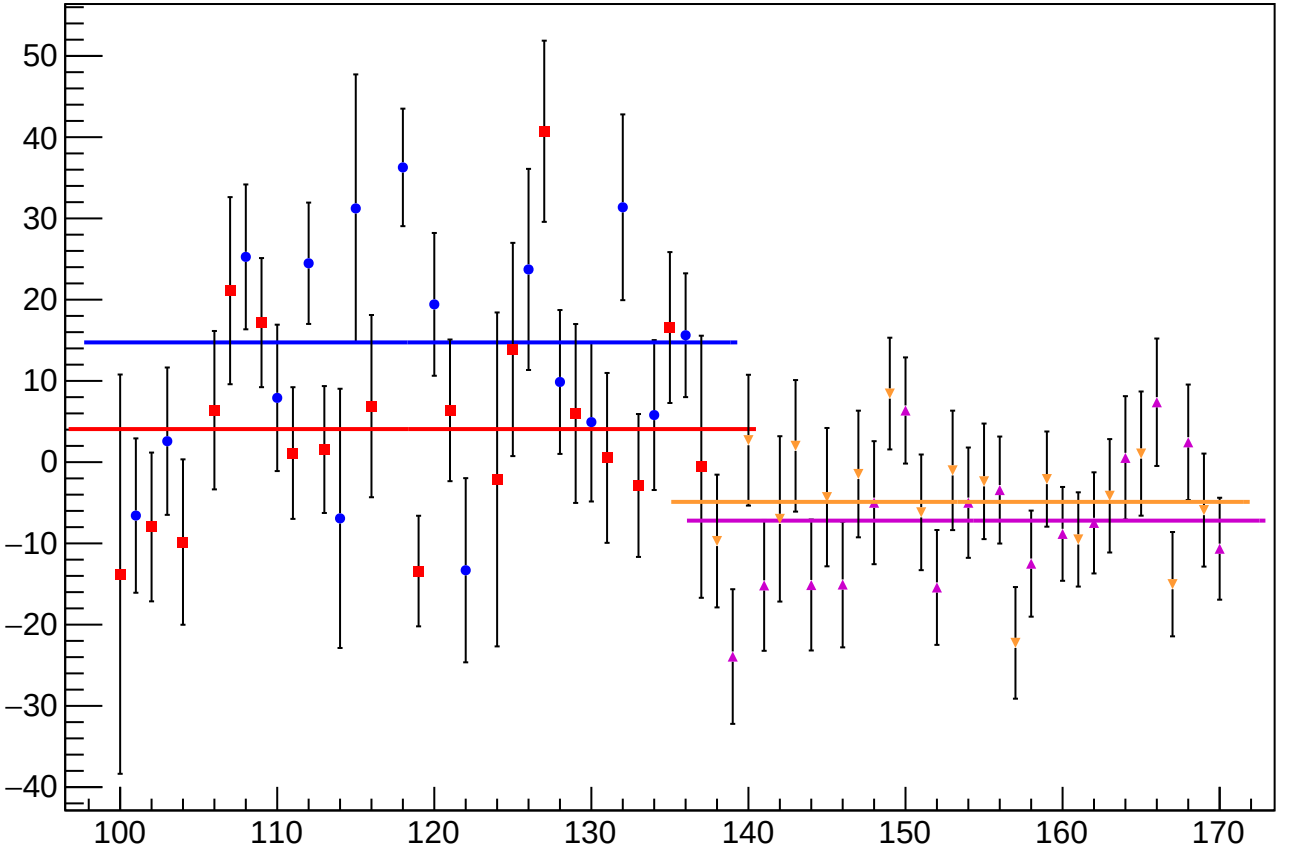
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1826.367+/-0.289 χ^2/NDF:992294.6/31

Out: 1779.641+/-0.279 χ^2/NDF:1207029.8/35

All: 1802.175+/-0.201 χ^2/NDF: 2212828.6/67

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.890+/-1.748 χ^2/NDF:16.8/16

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -7.198+/-1.752 χ^2/NDF:20.6/15

Left: -6.041+/-1.237 χ^2/NDF: 38.2/32

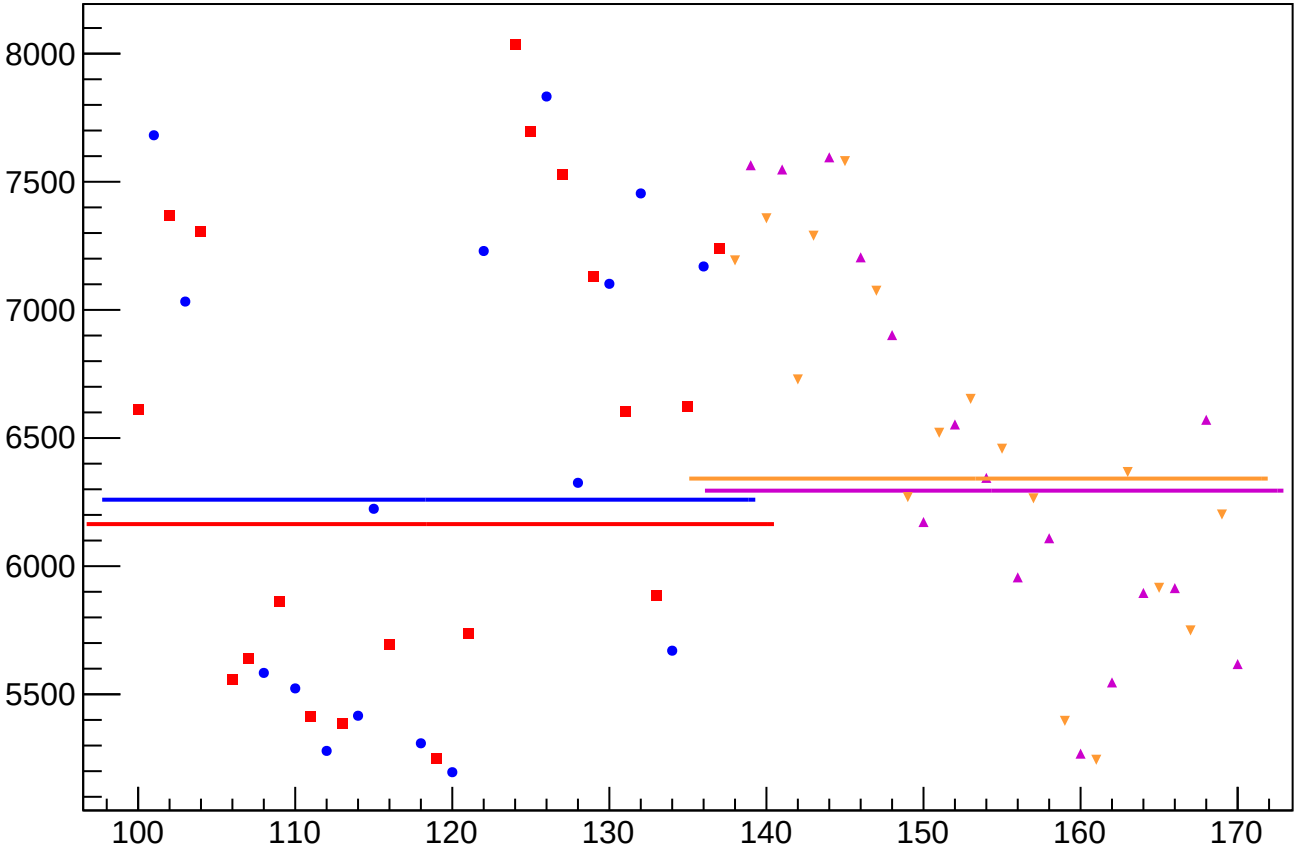
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.607+/-1.406 χ^2/NDF:109.9/31

Out: -1.561+/-1.386 χ^2/NDF:56.7/35

All: -0.493+/-0.987 χ^2/NDF: 167.8/67

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6341.790+/-1.236 χ^2/NDF:297433.5/16

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6294.664+/-1.239 χ^2/NDF:327042.5/15

Left: 6318.284+/-0.875 χ^2/NDF: 625201.2/32

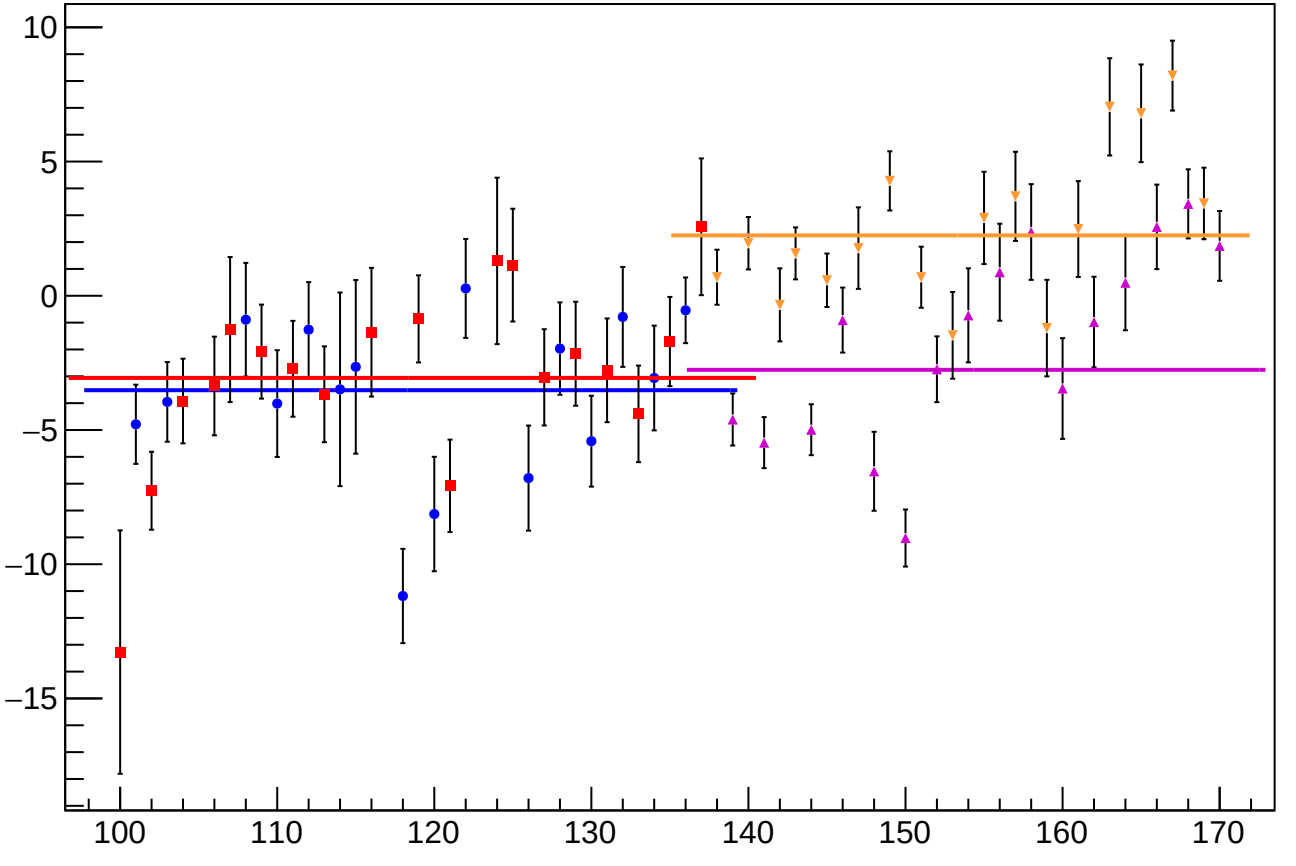
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6282.123+/-0.994 χ^2/NDF:635937.3/31

Out: 6275.806+/-0.980 χ^2/NDF:570166.3/35

All: 6278.918+/-0.698 χ^2/NDF: 1206124.0/67

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.250+/-0.314 χ^2/NDF:59.5/16

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.759+/-0.325 χ^2/NDF:126.4/15

Left: -0.173+/-0.226 χ^2/NDF: 308.7/32

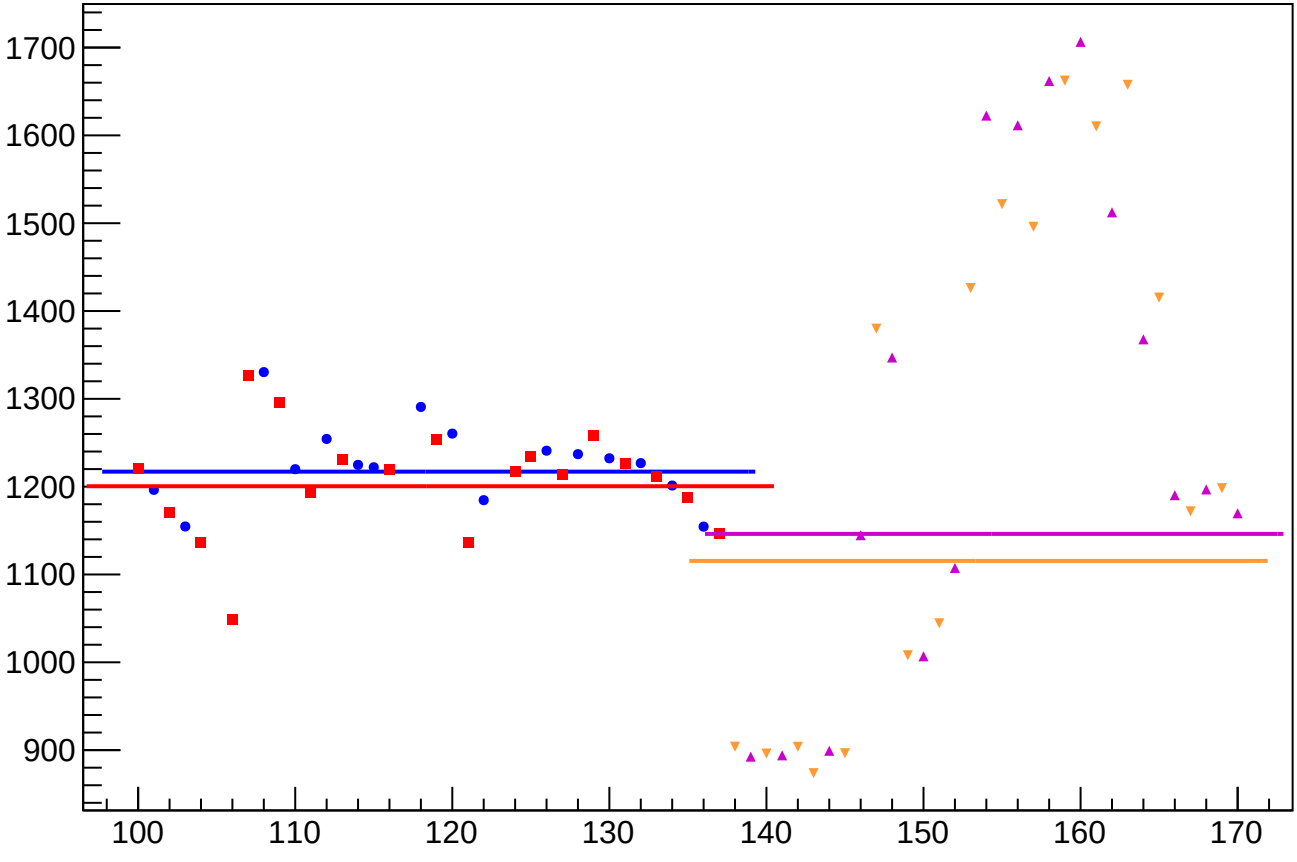
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.017+/-0.264 χ^2/NDF:173.4/31

Out: 0.447+/-0.255 χ^2/NDF:191.2/35

All: -1.229+/-0.184 χ^2/NDF: 453.5/67

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1115.464+/-0.222 χ^2/NDF:1417681.9/16

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1146.225+/-0.230 χ^2/NDF:1243923.1/15

Left: 1130.343+/-0.160 χ^2/NDF: 2670865.2/32

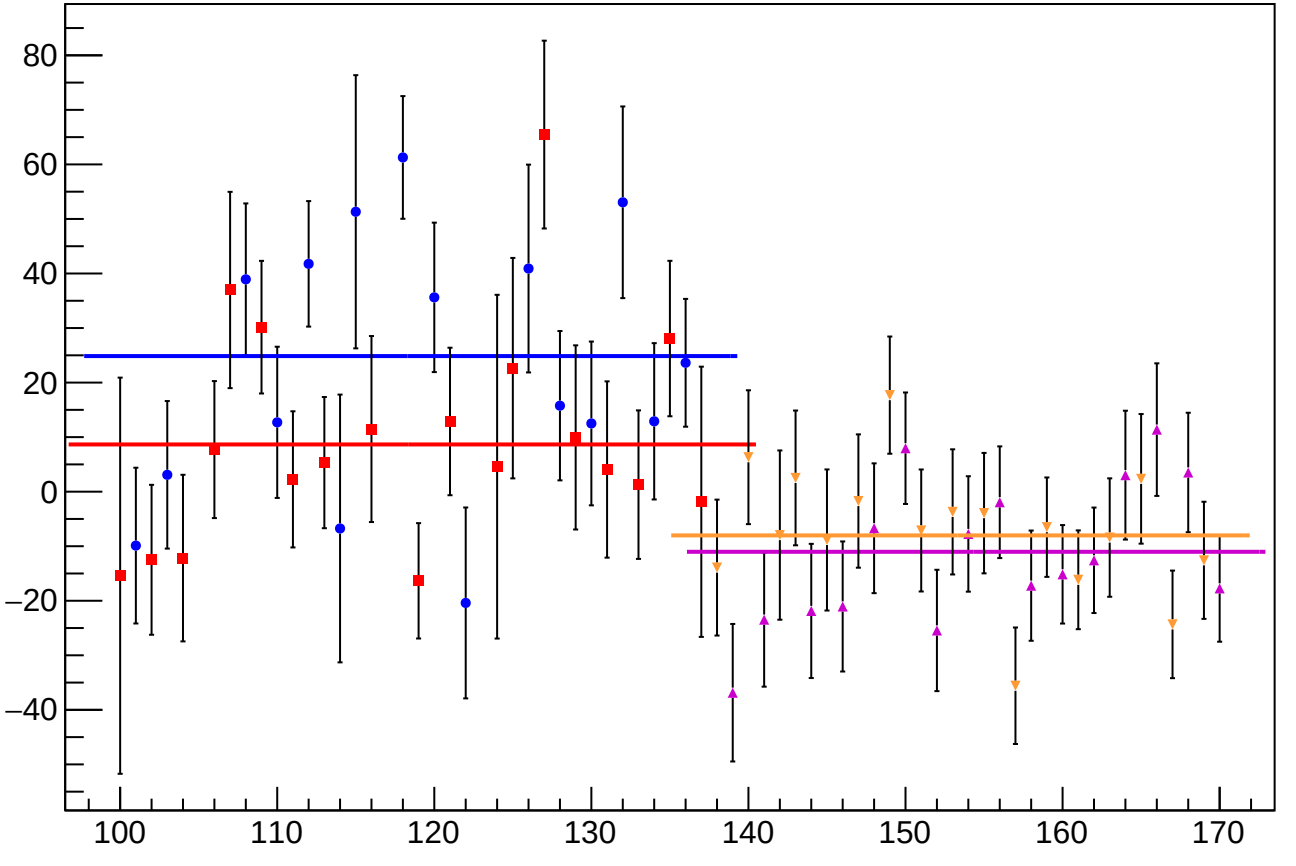
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1170.333+/-0.187 χ^2/NDF:1297992.1/31

Out: 1144.351+/-0.181 χ^2/NDF:1505031.1/35

All: 1156.923+/-0.130 χ^2/NDF: 2813031.9/67

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -8.018+/-2.707 χ^2/NDF:19.8/16

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -11.024+/-2.719 χ^2/NDF:20.5/15

Left: -9.514+/-1.918 χ^2/NDF: 40.9/32

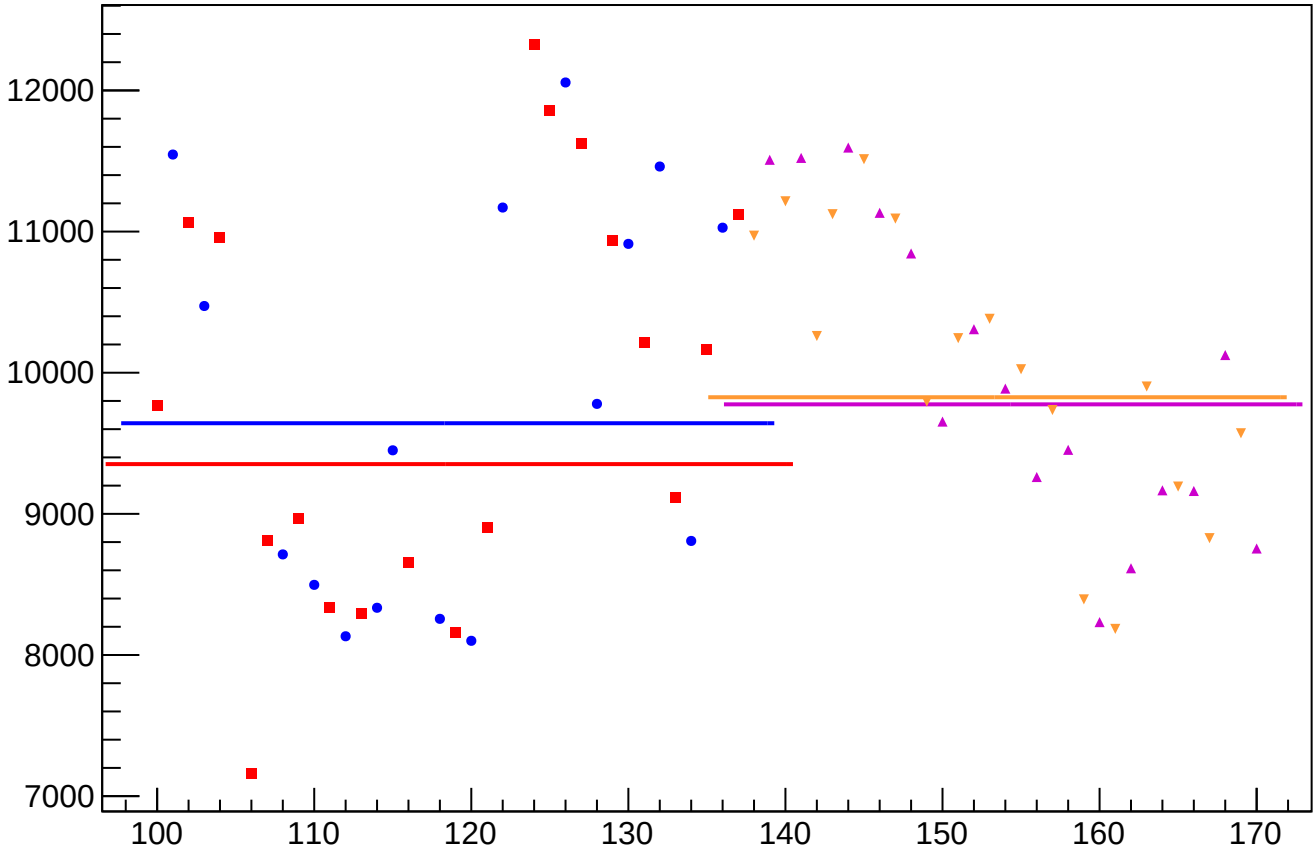
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 1.884+/-2.176 χ^2/NDF:121.3/31

Out: -1.672+/-2.131 χ^2/NDF:64.4/35

All: 0.069+/-1.522 χ^2/NDF: 187.0/67

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9826.236+/-1.914 χ^2/NDF:272328.7/16

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9775.871+/-1.923 χ^2/NDF:297702.5/15

Left: 9801.166+/-1.357 χ^2/NDF: 570375.8/32

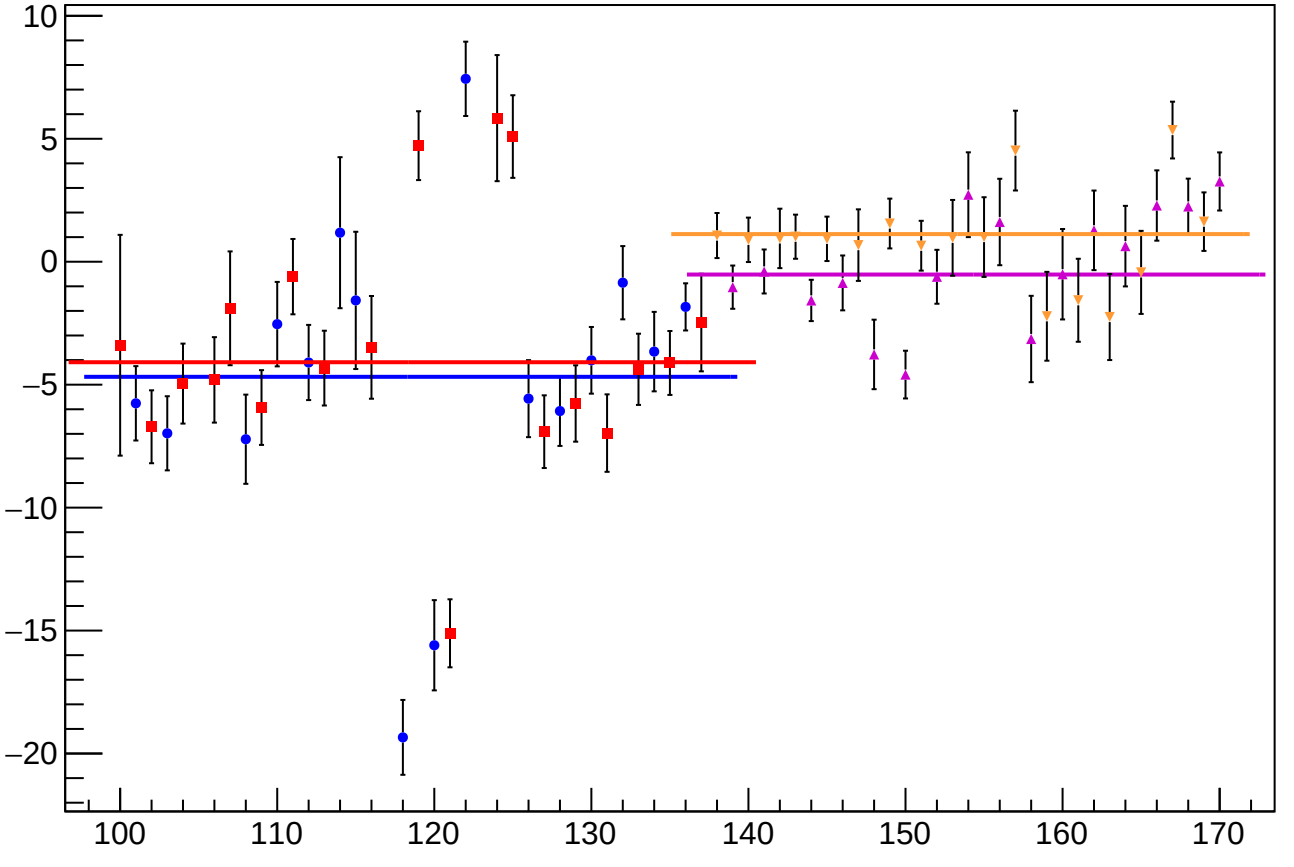
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9727.744+/-1.539 χ^2/NDF:579101.6/31

Out: 9645.949+/-1.507 χ^2/NDF:597417.1/35

All: 9685.987+/-1.076 χ^2/NDF: 1177961.5/67

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.123+/-0.289 χ^2/NDF:29.2/16

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.521+/-0.299 χ^2/NDF:54.0/15

Left: 0.329+/-0.208 χ^2/NDF: 98.8/32

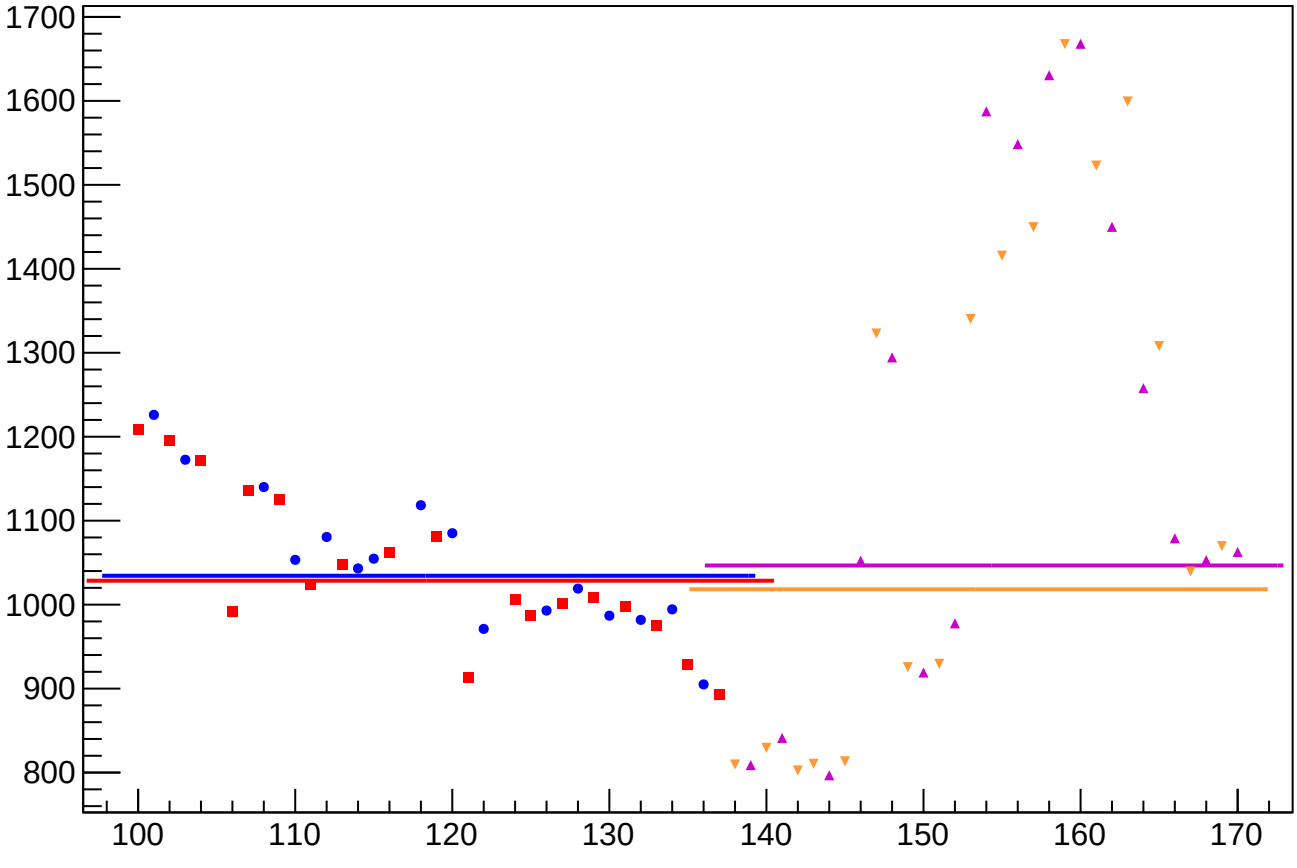
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.083+/-0.236 χ^2/NDF:347.8/31

Out: -0.810+/-0.229 χ^2/NDF:317.8/35

All: -1.427+/-0.165 χ^2/NDF: 680.5/67

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1018.302+/-0.204 χ^2/NDF:1654869.5/16

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1046.642+/-0.211 χ^2/NDF:1501337.3/15

Left: 1031.992+/-0.147 χ^2/NDF: 3165491.0/32

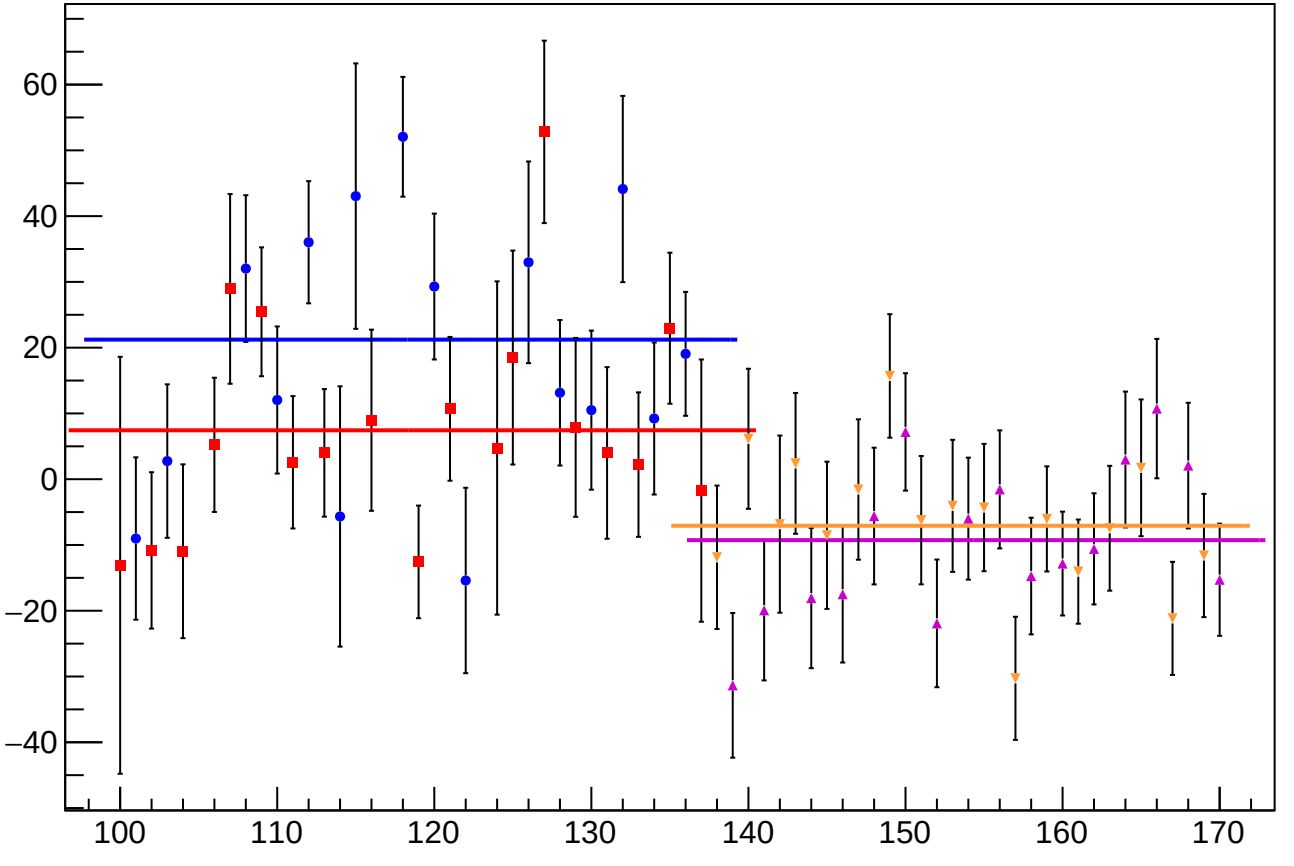
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1042.048+/-0.167 χ^2/NDF:1615873.5/31

Out: 1022.086+/-0.162 χ^2/NDF:1757417.9/35

All: 1031.763+/-0.116 χ^2/NDF: 3380640.7/67

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -7.080+/-2.364 χ^2/NDF:19.4/16

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -9.268+/-2.375 χ^2/NDF:19.9/15

Left: -8.169+/-1.675 χ^2/NDF: 39.8/32

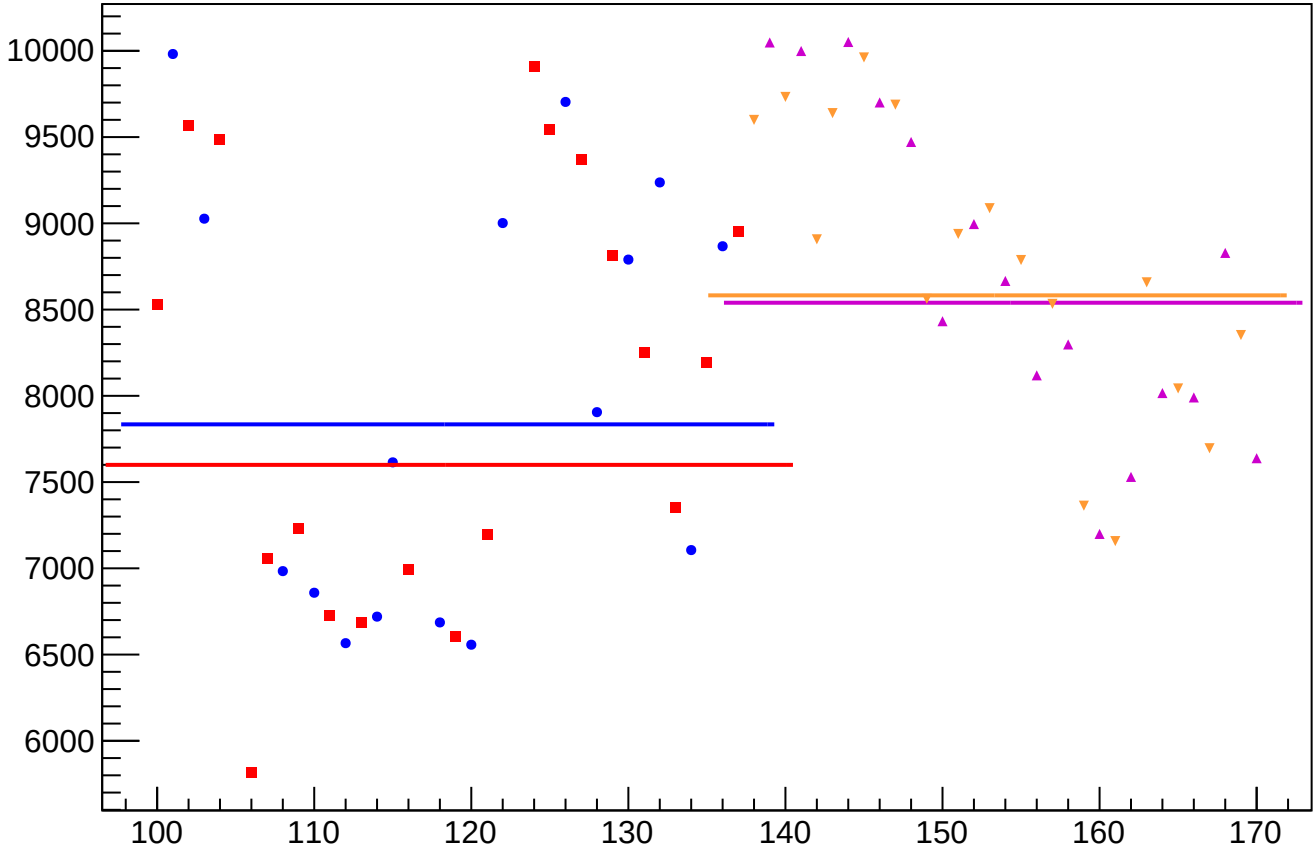
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 2.712+/-1.850 χ^2/NDF:124.8/31

Out: -1.066+/-1.809 χ^2/NDF:64.9/35

All: 0.780+/-1.293 χ^2/NDF: 191.8/67

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8582.484+/-1.671 χ^2/NDF:261147.1/16

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8539.706+/-1.679 χ^2/NDF:288185.2/15

Left: 8561.193+/-1.185 χ^2/NDF: 549658.3/32

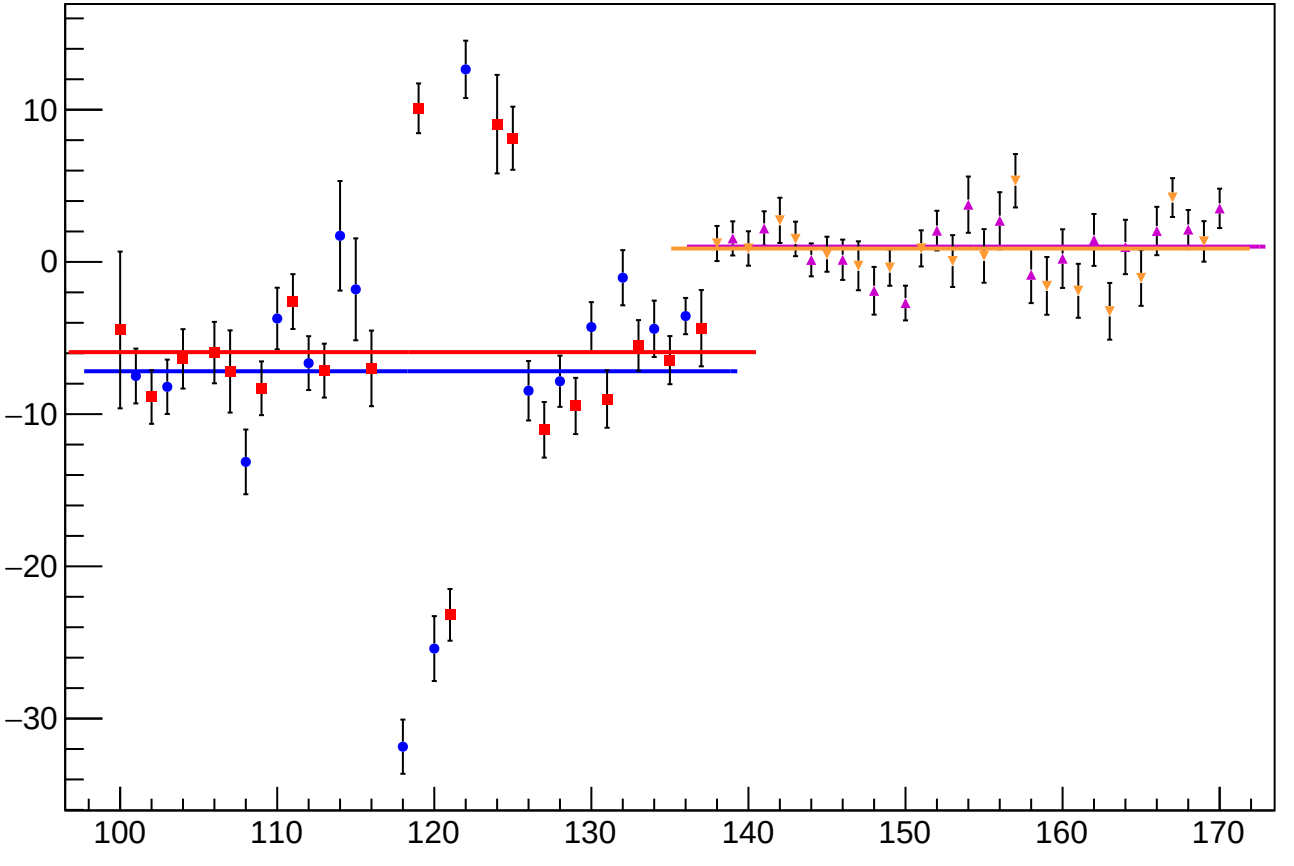
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8262.667+/-1.308 χ^2/NDF:675552.5/31

Out: 8175.288+/-1.279 χ^2/NDF:748674.1/35

All: 8217.992+/-0.915 χ^2/NDF: 1426507.2/67

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.879+/-0.340 χ^2/NDF:27.6/16

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.006+/-0.350 χ^2/NDF:26.3/15

Left: 0.940+/-0.244 χ^2/NDF: 53.9/32

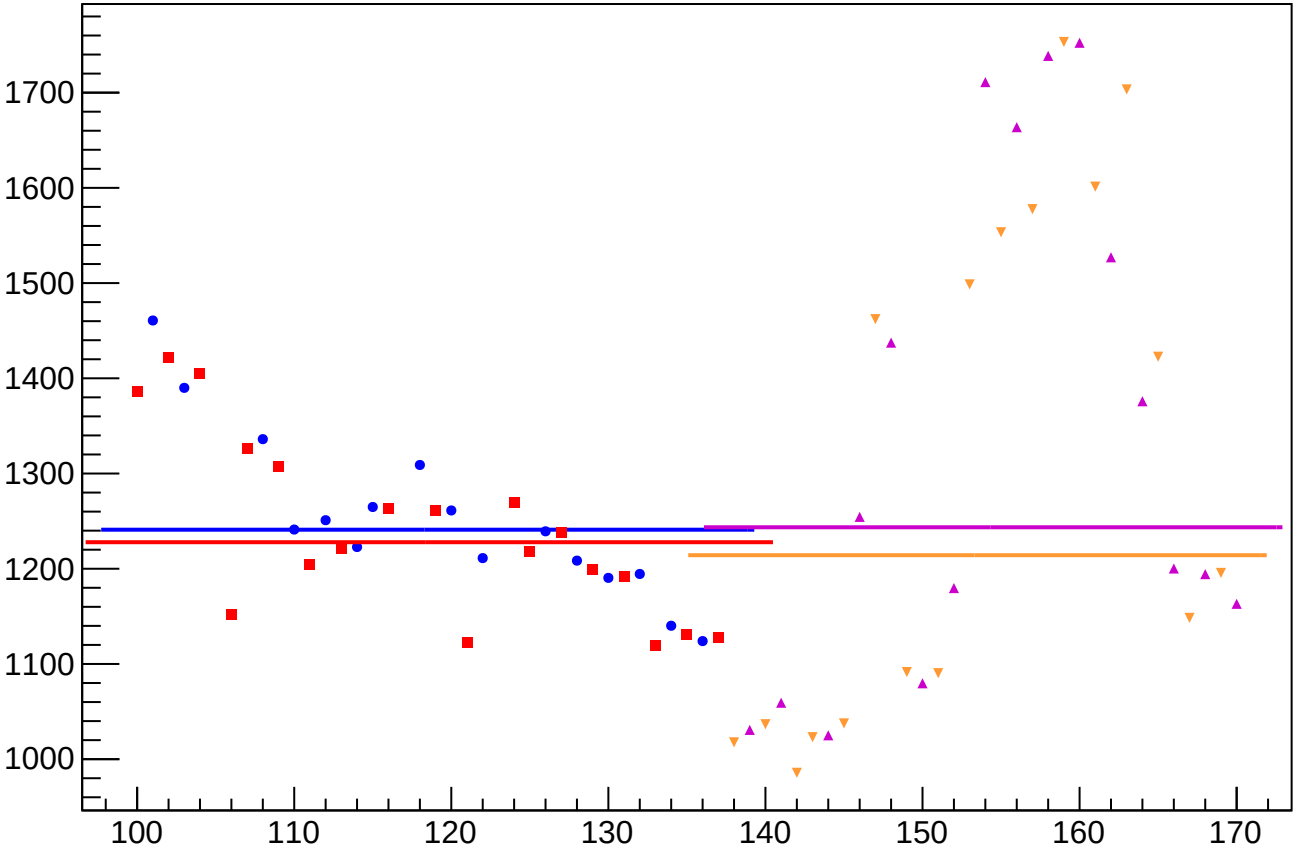
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.977+/-0.279 χ^2/NDF:647.9/31

Out: -1.596+/-0.271 χ^2/NDF:464.0/35

All: -1.781+/-0.194 χ^2/NDF: 1112.9/67

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1214.223+/-0.240 χ^2/NDF:991447.0/16

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1243.547+/-0.247 χ^2/NDF:870928.7/15

Left: 1228.441+/-0.172 χ^2/NDF: 1869608.4/32

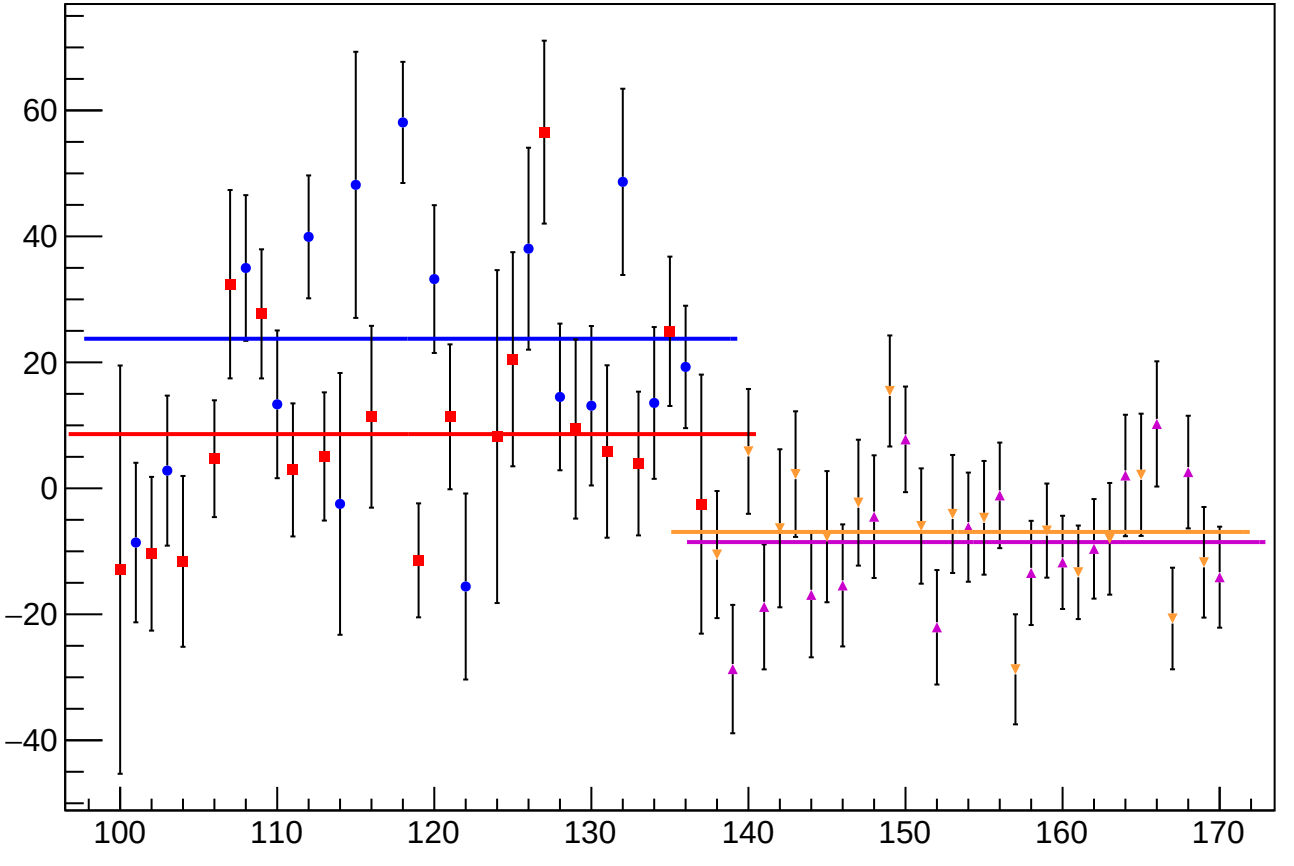
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1242.622+/-0.197 χ^2/NDF:951620.6/31

Out: 1219.183+/-0.192 χ^2/NDF:1074960.0/35

All: 1230.553+/-0.137 χ^2/NDF: 2033845.5/67

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -6.922+/-2.209 χ^2/NDF:20.5/16

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -8.536+/-2.220 χ^2/NDF:20.6/15

Left: -7.725+/-1.566 χ^2/NDF: 41.4/32

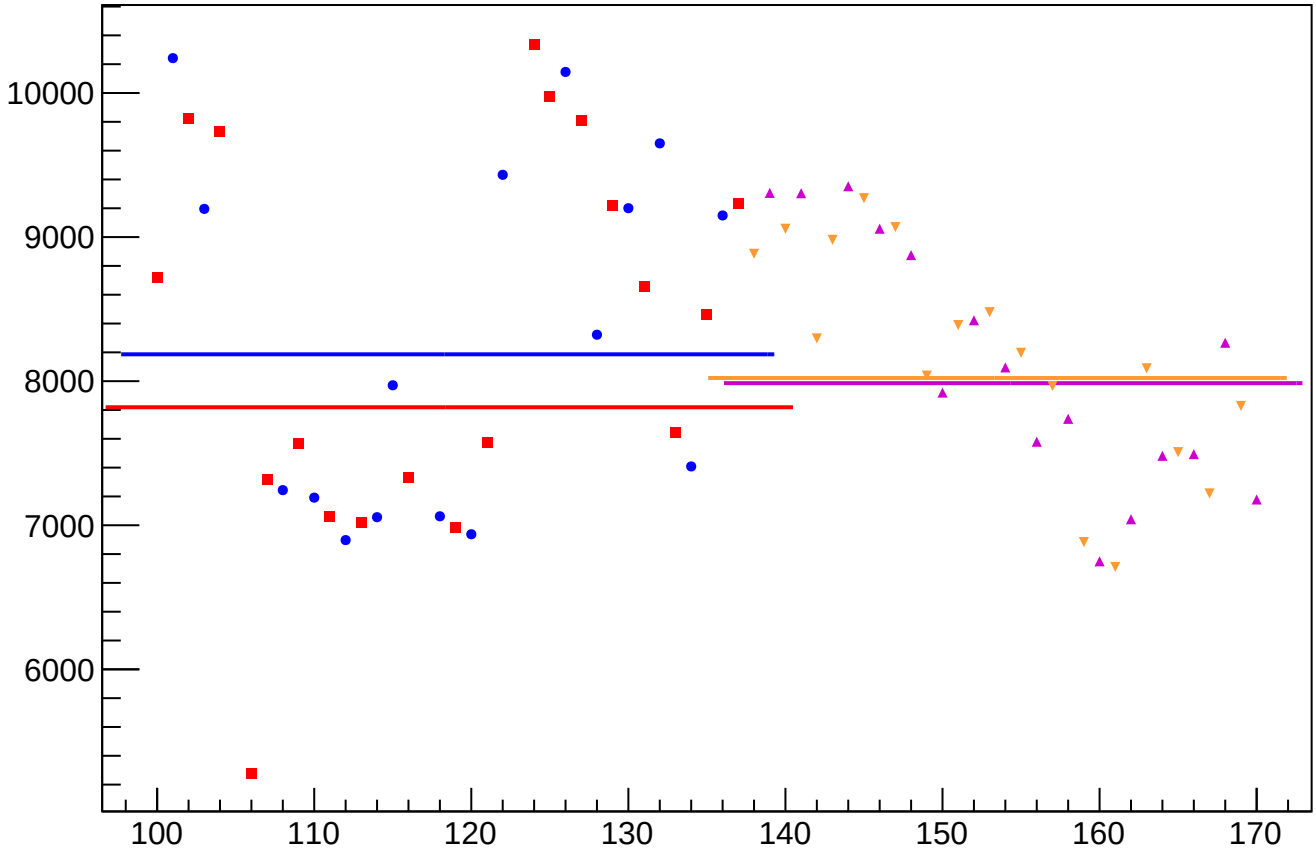
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 2.497+/-1.801 χ^2/NDF:136.3/31

Out: -1.217+/-1.757 χ^2/NDF:69.2/35

All: 0.594+/-1.258 χ^2/NDF: 207.6/67

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8021.958+/-1.562 χ^2/NDF:250718.8/16

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 7986.371+/-1.570 χ^2/NDF:276552.1/15

Left: 8004.255+/-1.107 χ^2/NDF: 527529.1/32

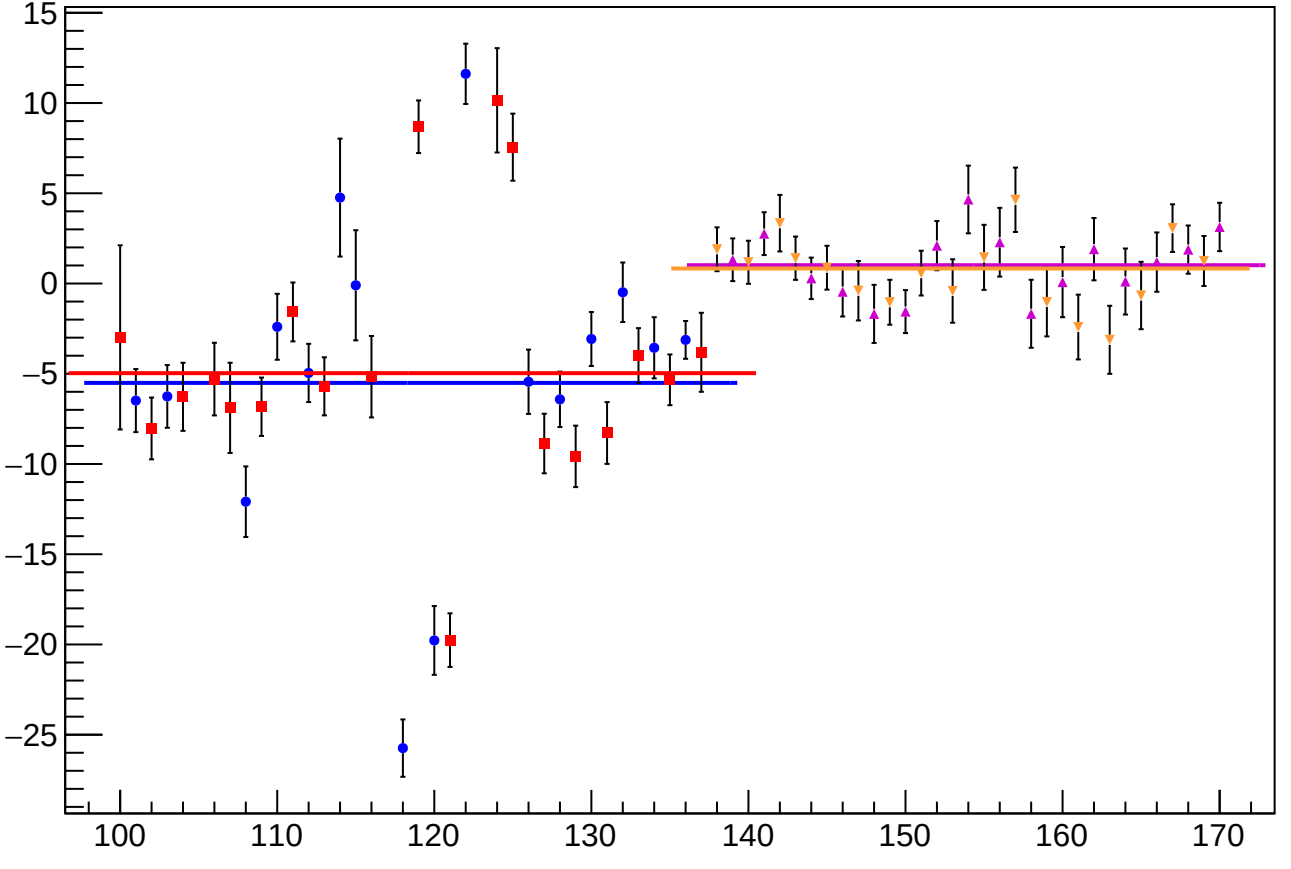
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8054.713+/-1.274 χ^2/NDF:572726.5/31

Out: 7947.396+/-1.242 χ^2/NDF:679921.0/35

All: 7999.717+/-0.889 χ^2/NDF: 1256285.4/67

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.833+/-0.353 χ^2/NDF:23.9/16

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.014+/-0.363 χ^2/NDF:21.8/15

Left: 0.921+/-0.253 χ^2/NDF: 45.8/32

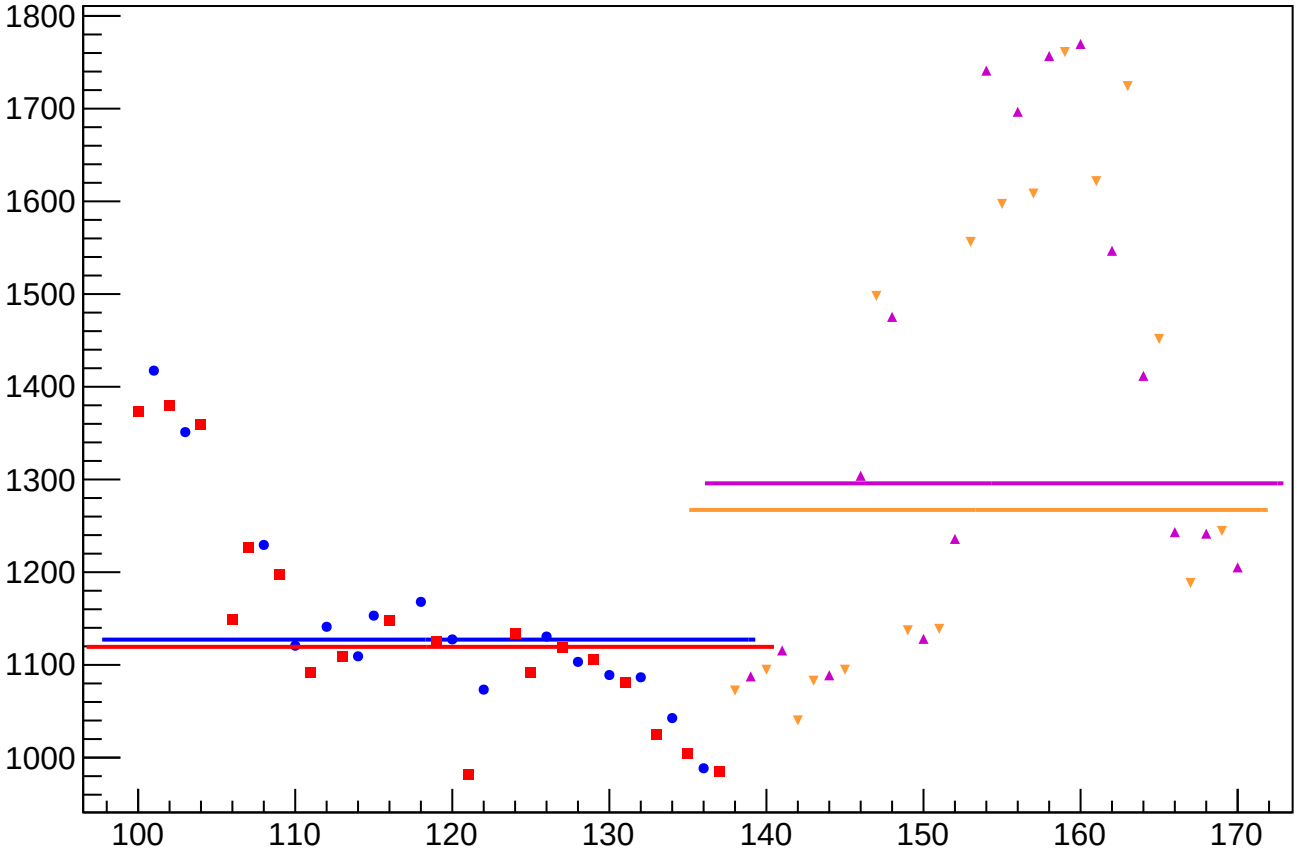
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.771+/-0.275 χ^2/NDF:529.1/31

Out: -1.635+/-0.268 χ^2/NDF:426.0/35

All: -1.701+/-0.192 χ^2/NDF: 955.2/67

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1267.171+/-0.250 χ^2/NDF:856536.4/16

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1295.844+/-0.257 χ^2/NDF:745874.0/15

Left: 1281.093+/-0.179 χ^2/NDF: 1608812.9/32

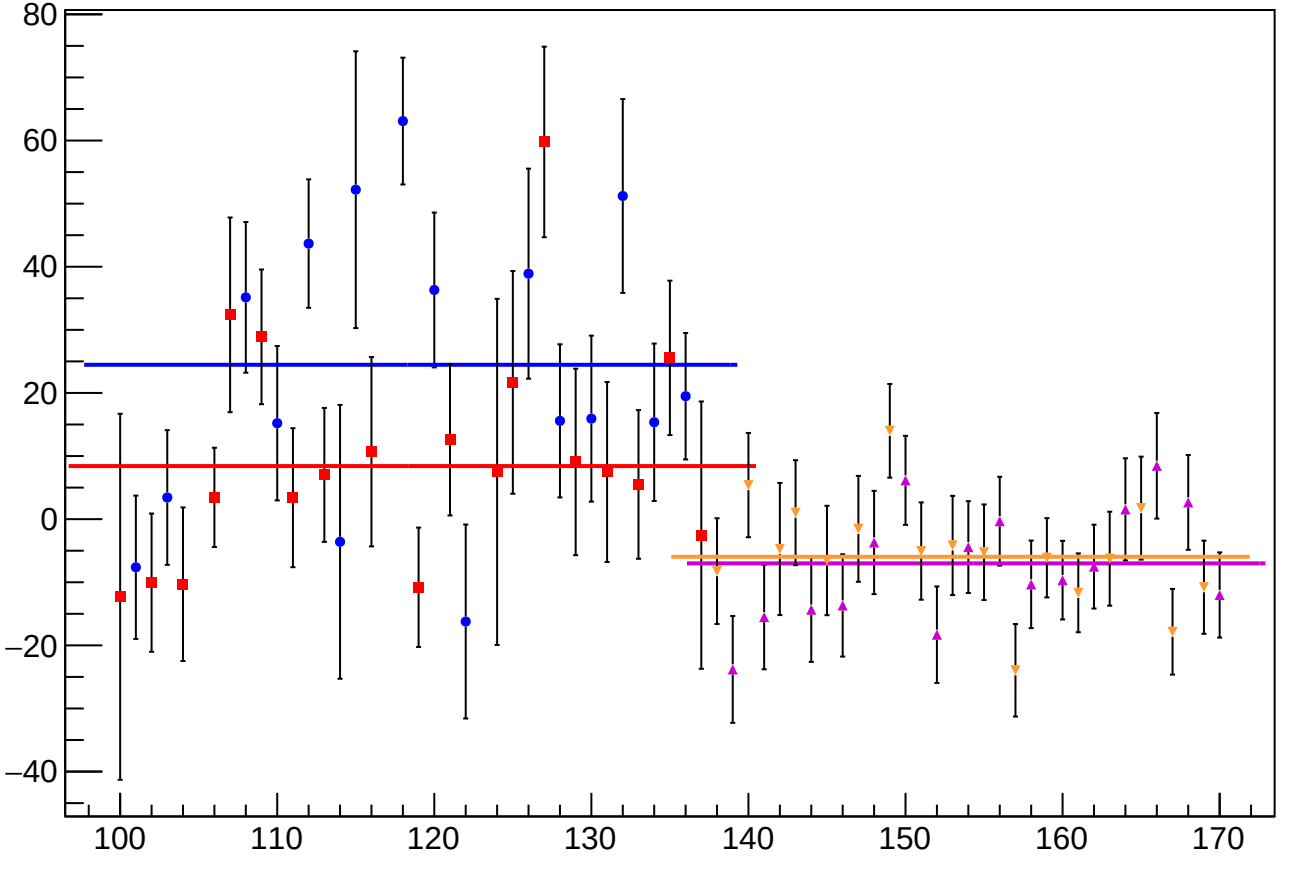
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.832+/-0.195 χ^2/NDF:1070221.8/31

Out: 1204.328+/-0.189 χ^2/NDF:1146138.9/35

All: 1213.813+/-0.136 χ^2/NDF: 2221525.0/67

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -5.962+/-1.853 χ^2/NDF:21.5/16

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -7.006+/-1.864 χ^2/NDF:20.5/15

Left: -6.481+/-1.314 χ^2/NDF: 42.1/32

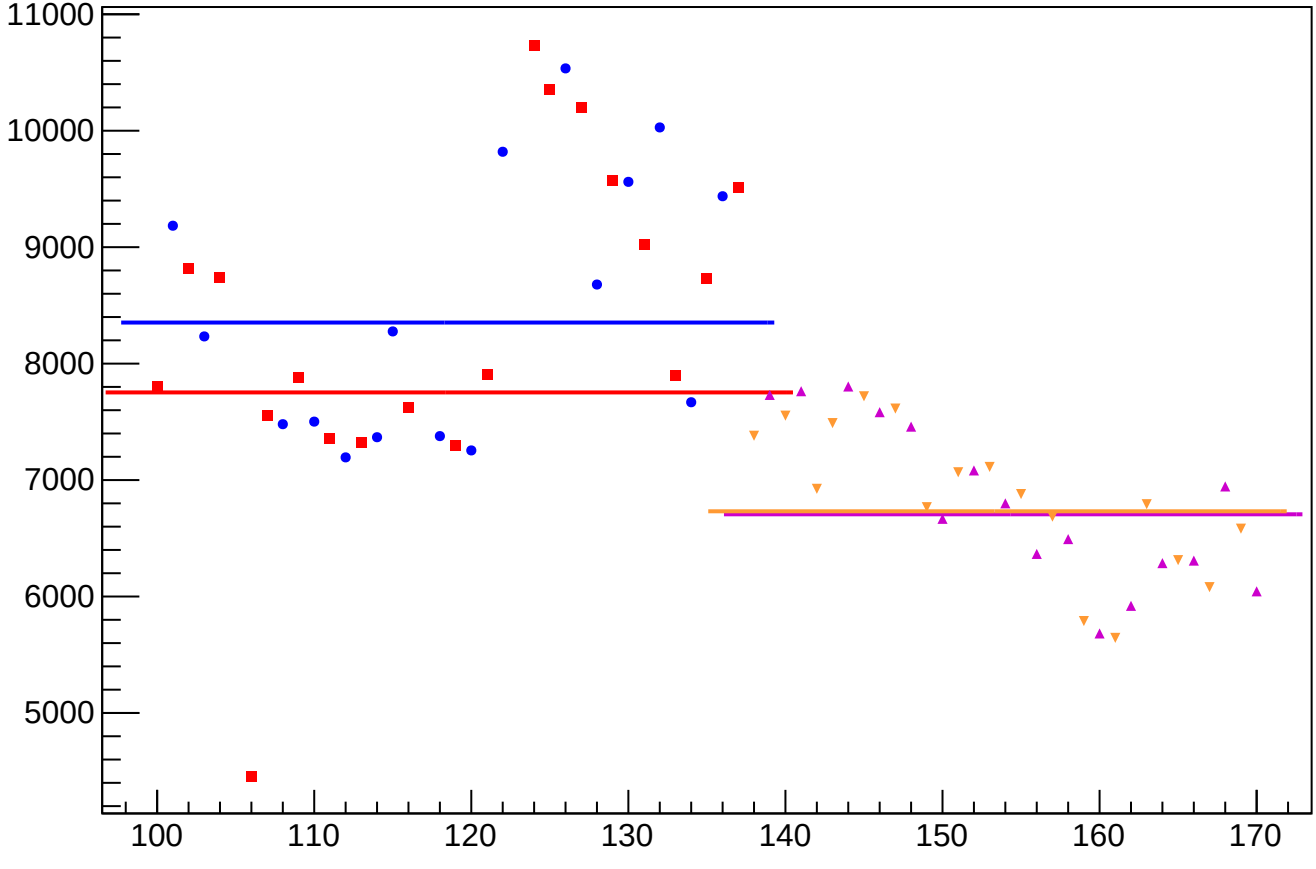
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.206+/-1.602 χ^2/NDF:143.2/31

Out: -1.776+/-1.560 χ^2/NDF:70.2/35

All: -0.324+/-1.118 χ^2/NDF: 215.1/67

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6731.876+/-1.310 χ^2/NDF:236664.6/16

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6706.049+/-1.318 χ^2/NDF:262291.9/15

Left: 6719.036+/-0.929 χ^2/NDF: 499149.6/32

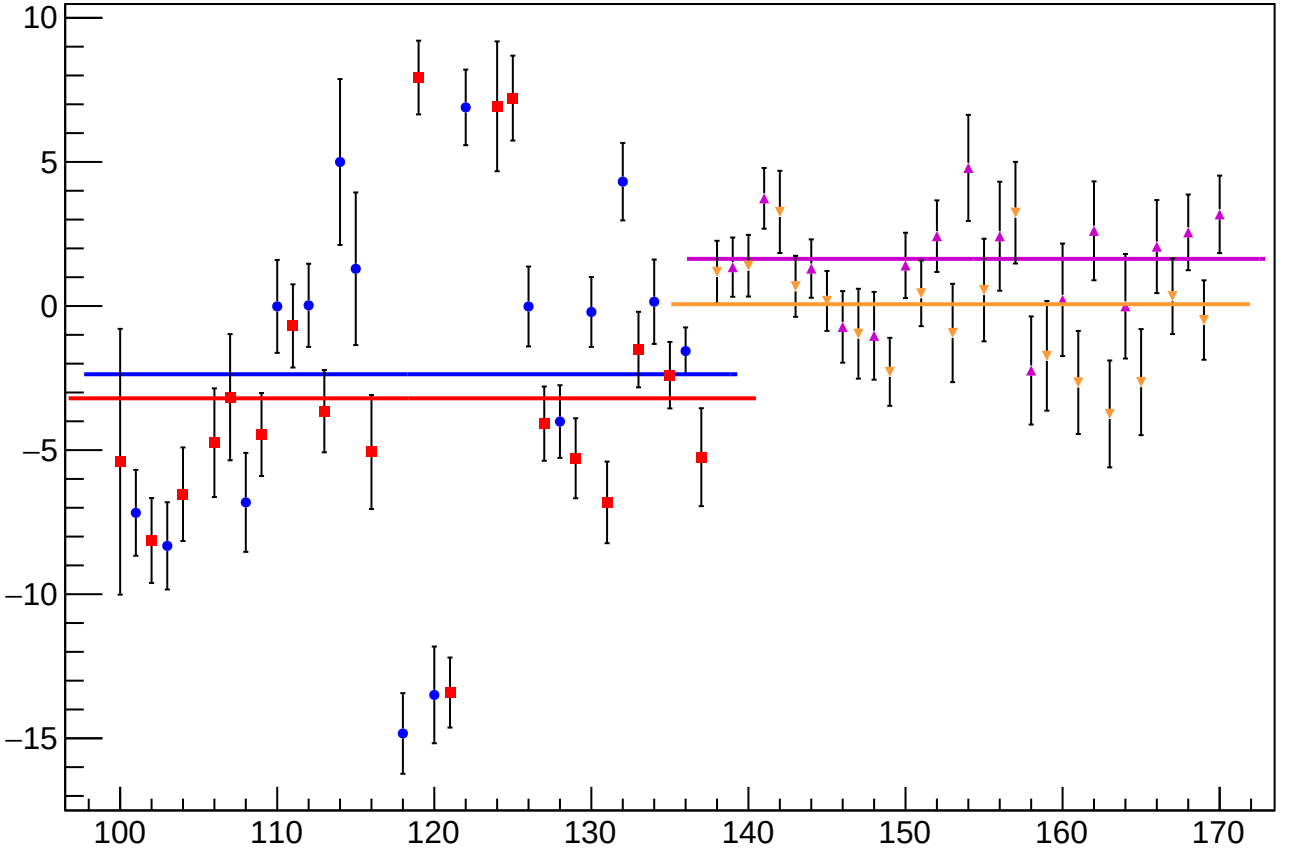
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7135.765+/-1.133 χ^2/NDF:890218.5/31

Out: 7029.138+/-1.103 χ^2/NDF:1001482.5/35

All: 7081.036+/-0.790 χ^2/NDF: 1896248.5/67

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.063+/-0.330 χ^2/NDF:26.0/16

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.637+/-0.341 χ^2/NDF:22.2/15

Left: 0.823+/-0.237 χ^2/NDF: 59.2/32

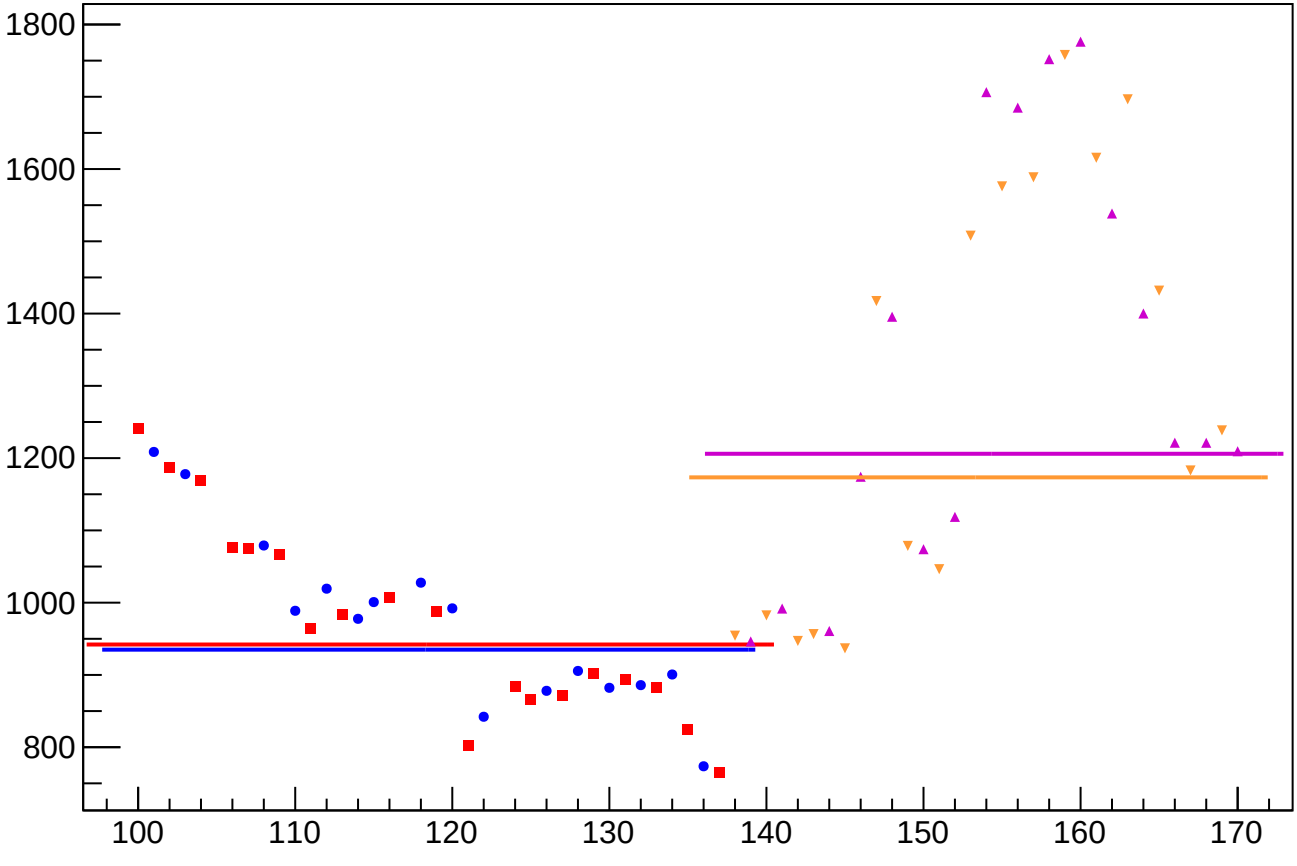
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.310+/-0.244 χ^2/NDF:344.9/31

Out: -1.489+/-0.239 χ^2/NDF:323.1/35

All: -0.913+/-0.171 χ^2/NDF: 679.9/67

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1173.371+/-0.233 χ^2/NDF:1274802.6/16

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1206.011+/-0.241 χ^2/NDF:1110810.1/15

Left: 1189.144+/-0.168 χ^2/NDF: 2395086.0/32

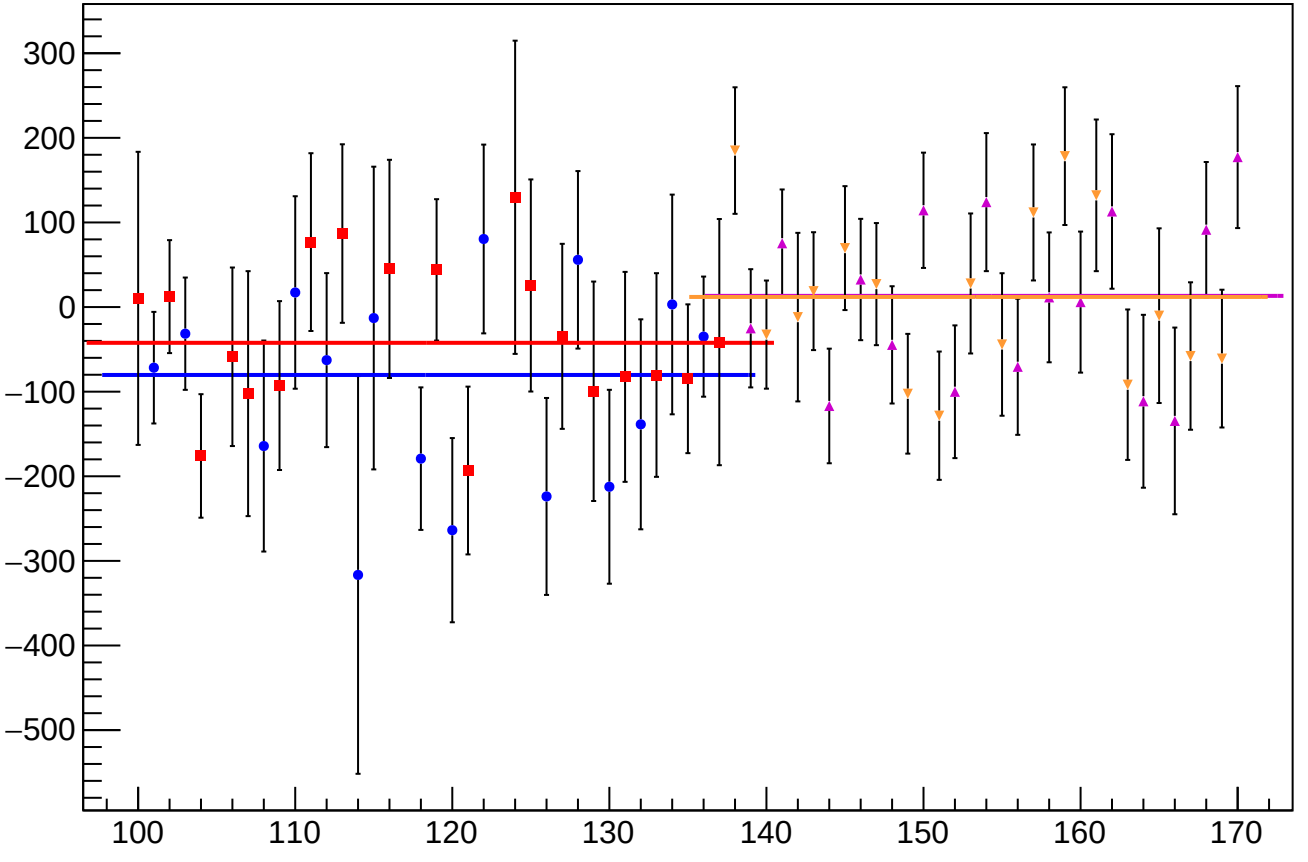
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1074.229+/-0.173 χ^2/NDF:1979798.9/31

Out: 1063.437+/-0.169 χ^2/NDF:1975091.2/35

All: 1068.709+/-0.121 χ^2/NDF: 3956885.4/67

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 11.959+/-19.234 χ^2/NDF:23.5/16

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 13.218+/-19.369 χ^2/NDF:22.2/15

Left: 12.584+/-13.648 χ^2/NDF: 45.7/32

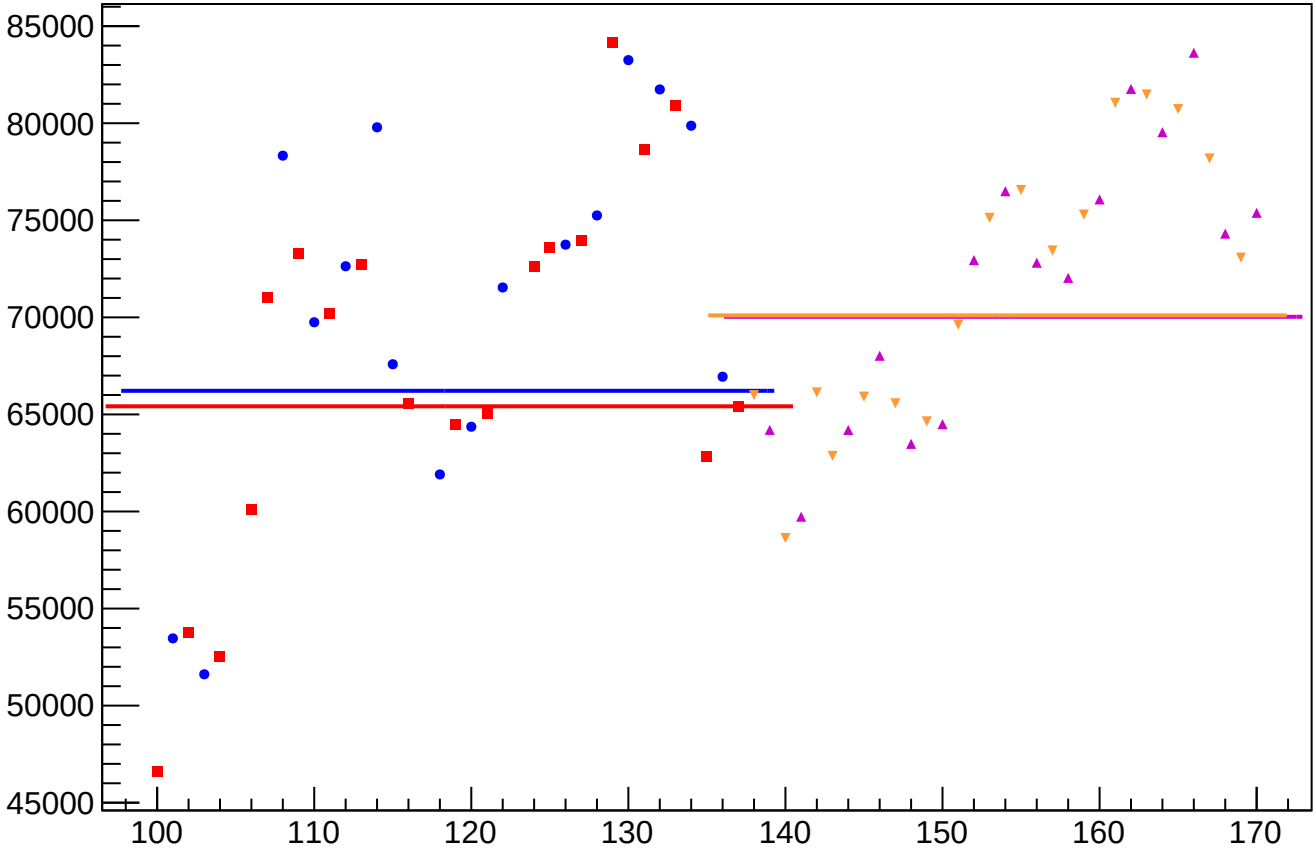
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -22.002+/-15.290 χ^2/NDF:45.8/31

Out: -9.093+/-15.044 χ^2/NDF:39.5/35

All: -15.443+/-10.724 χ^2/NDF: 85.7/67

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70101.825+/-13.601 χ^2/NDF:256086.3/16

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 70028.782+/-13.696 χ^2/NDF:238063.4/15

Left: 70065.558+/-9.651 χ^2/NDF: 494164.0/32

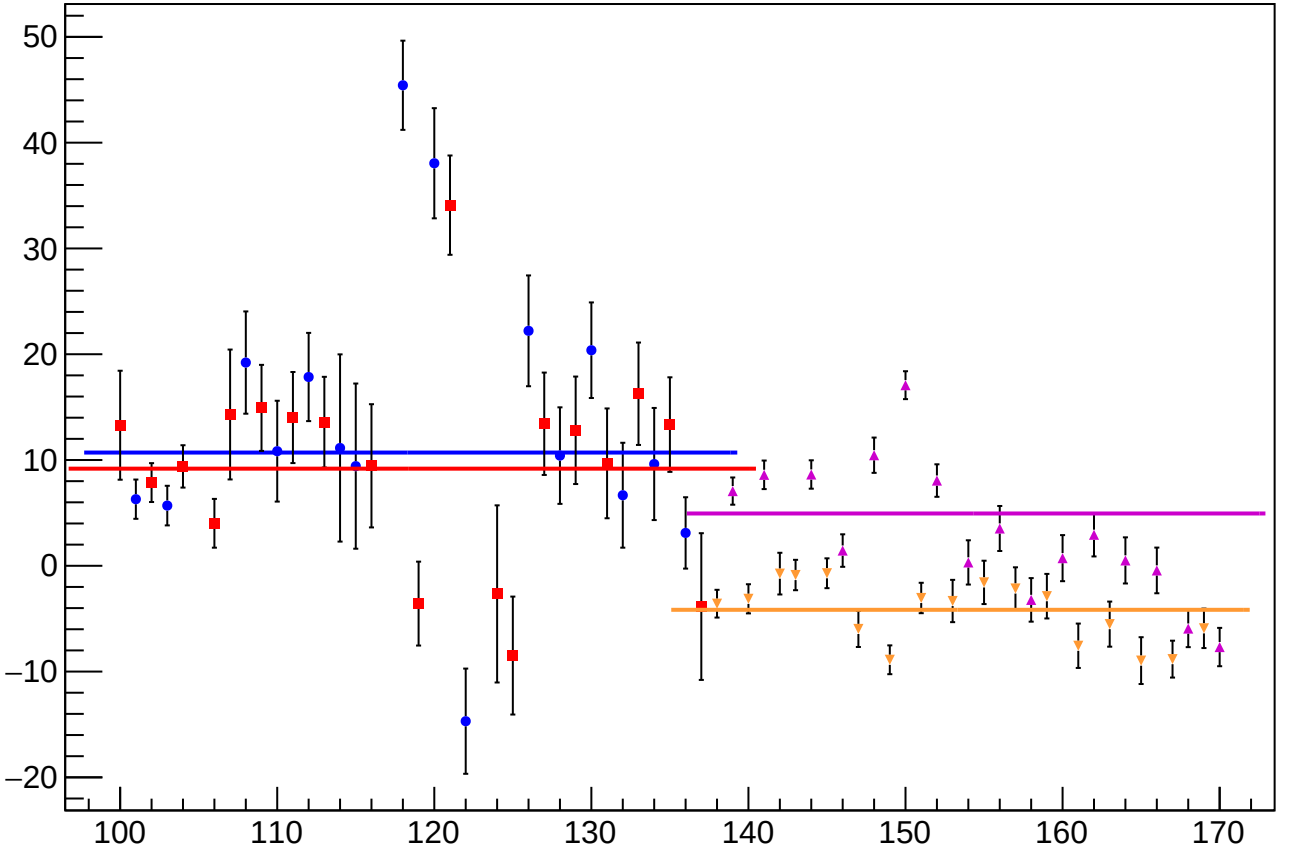
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68592.140+/-10.812 χ^2/NDF:605642.0/31

Out: 68283.569+/-10.638 χ^2/NDF:606676.0/35

All: 68435.352+/-7.583 χ^2/NDF: 1212731.9/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.161+/-0.410 χ^2/NDF:47.7/16

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 4.945+/-0.420 χ^2/NDF:245.3/15

Left: 0.284+/-0.293 χ^2/NDF: 533.9/32

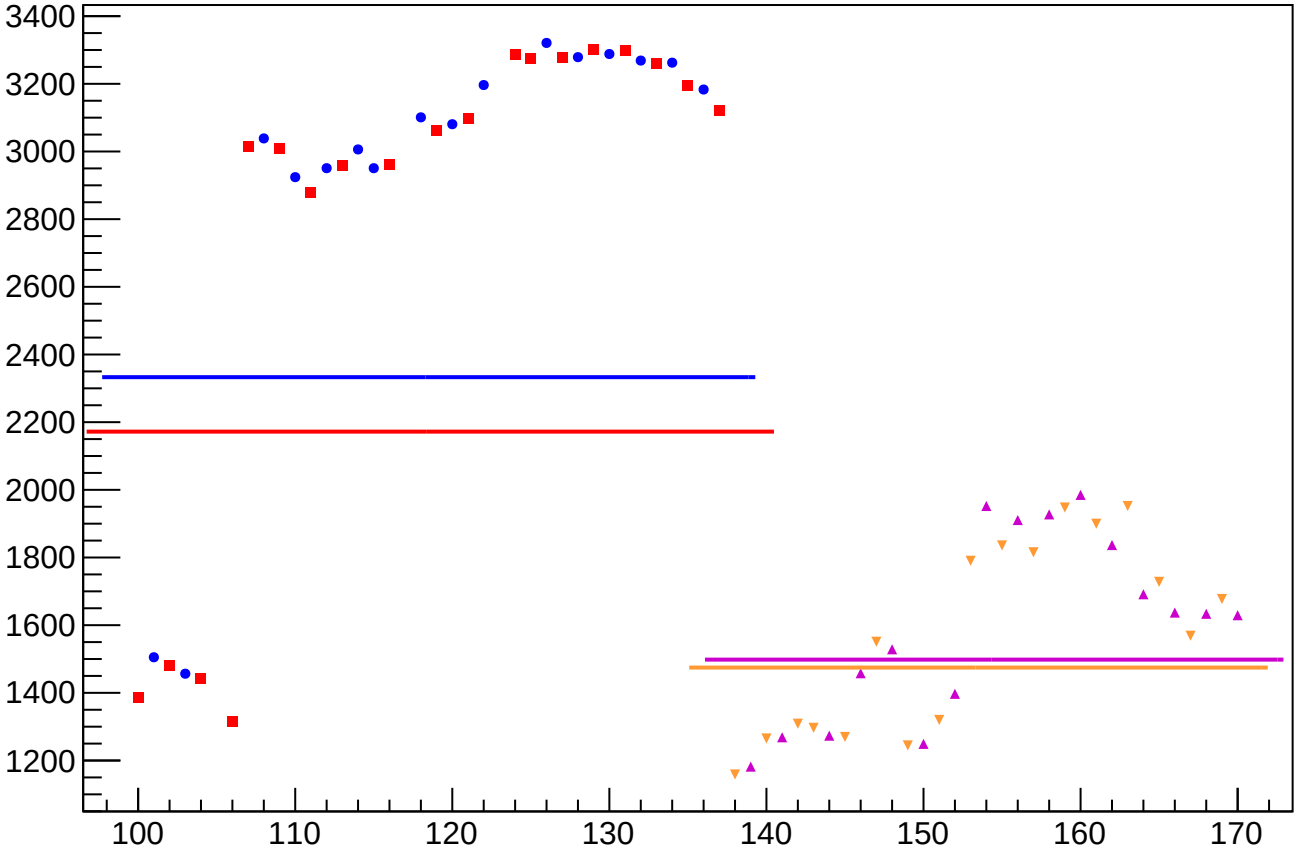
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.936+/-0.382 χ^2/NDF:433.2/31

Out: -1.644+/-0.369 χ^2/NDF:317.2/35

All: 2.018+/-0.265 χ^2/NDF: 954.0/67

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1474.774+/-0.290 χ^2/NDF:842586.0/16

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1498.216+/-0.297 χ^2/NDF:773763.7/15

Left: 1486.218+/-0.207 χ^2/NDF: 1619542.2/32

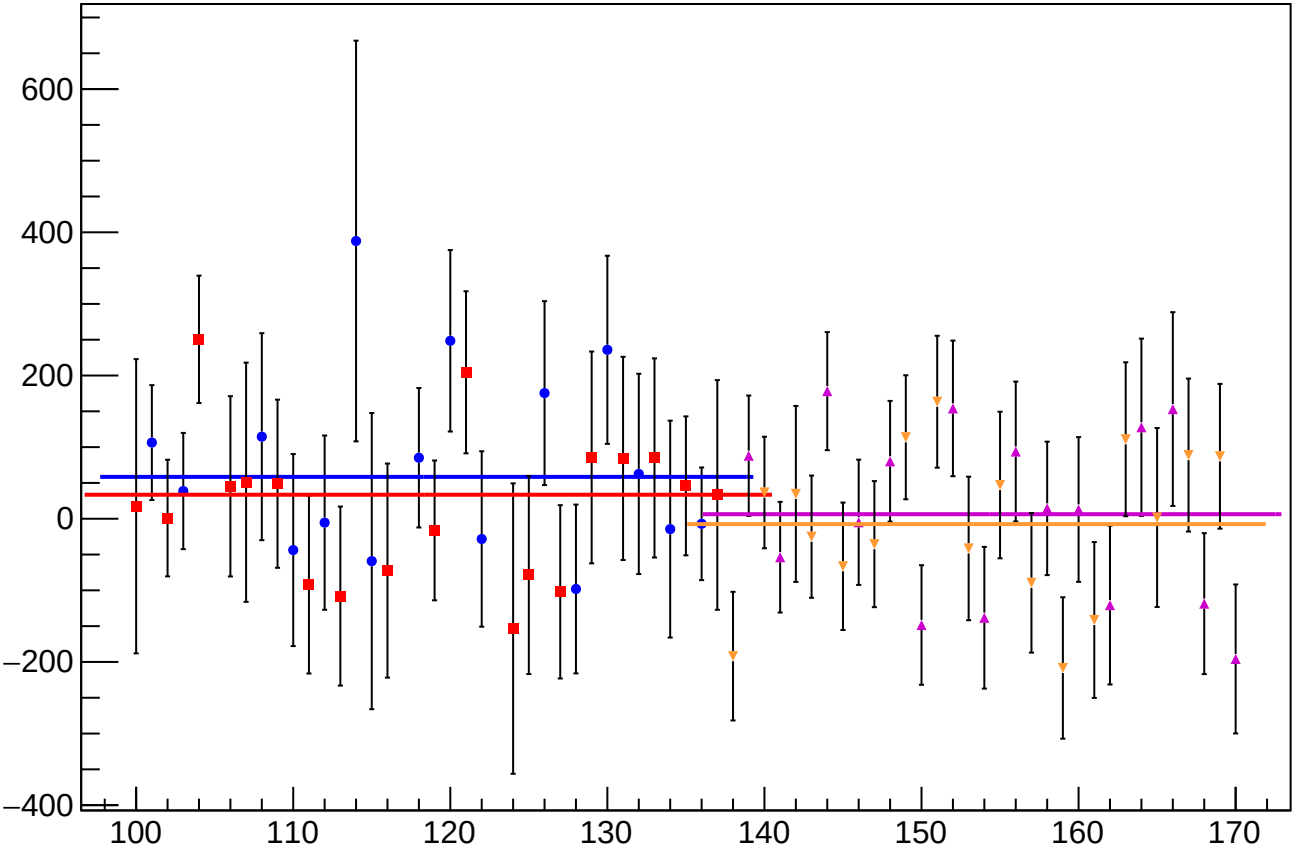
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.918+/-0.270 χ^2/NDF:3786813.2/31

Out: 1606.329+/-0.261 χ^2/NDF:3918348.7/35

All: 1623.524+/-0.188 χ^2/NDF: 7714137.5/67

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -7.544+/-23.425 χ^2/NDF:20.3/16

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 6.341+/-23.575 χ^2/NDF:24.3/15

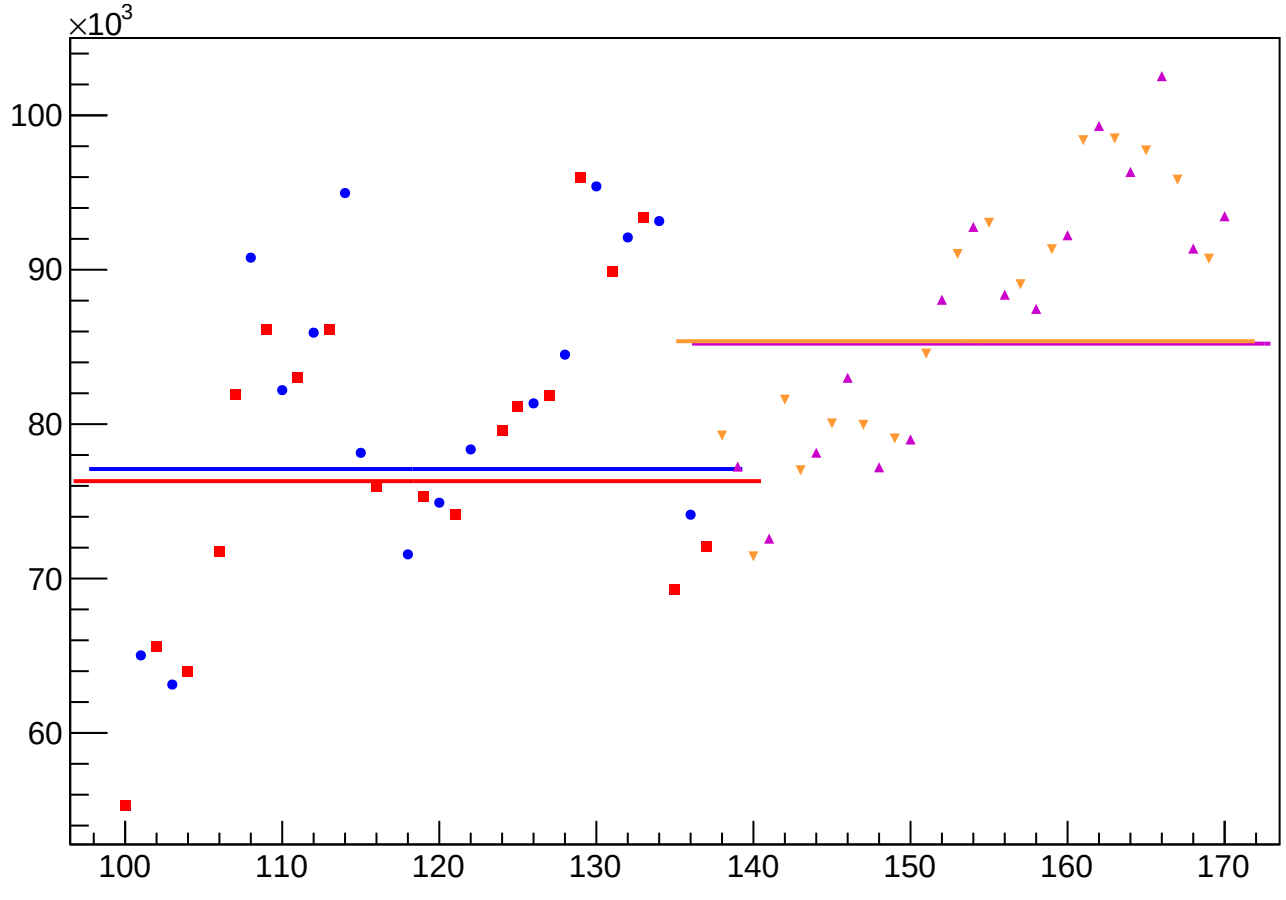
Left: -0.646+/-16.617 χ^2/NDF: 44.8/32

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 27.145+/-18.272 χ^2/NDF:37.6/31

Out: 9.289+/-17.994 χ^2/NDF:36.2/35

All: 18.080+/-12.821 χ^2/NDF: 74.3/67



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85370.405+/-16.564 χ^2/NDF:250374.3/16

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 85213.872+/-16.670 χ^2/NDF:244497.3/15

Left: 85292.639+/-11.750 χ^2/NDF: 494915.9/32

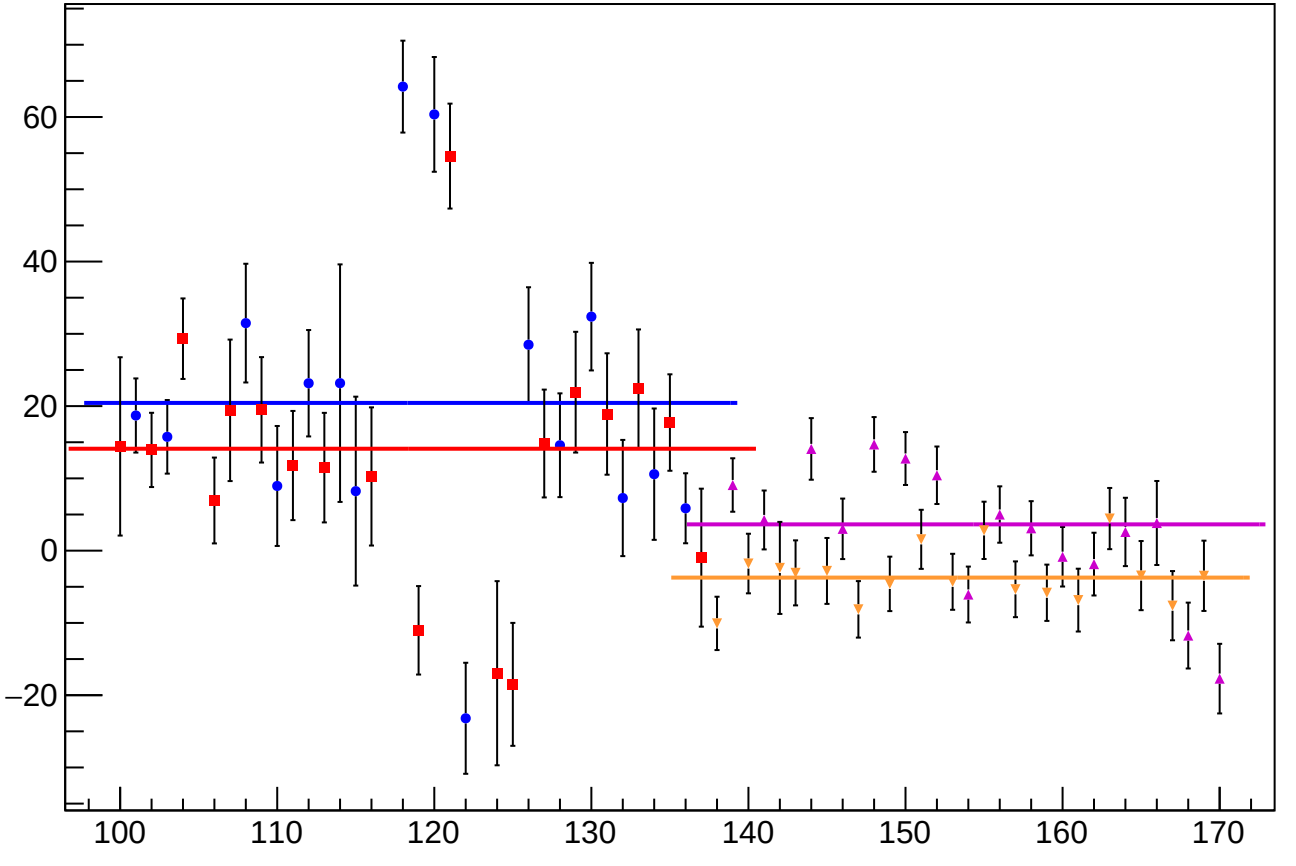
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 81971.547+/-12.920 χ^2/NDF:587790.4/31

Out: 81655.978+/-12.724 χ^2/NDF:607491.1/35

All: 81811.344+/-9.066 χ^2/NDF: 1195584.3/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.728+/-1.025 χ^2/NDF:14.4/16

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 3.638+/-1.034 χ^2/NDF:66.2/15

Left: -0.079+/-0.728 χ^2/NDF: 106.1/32

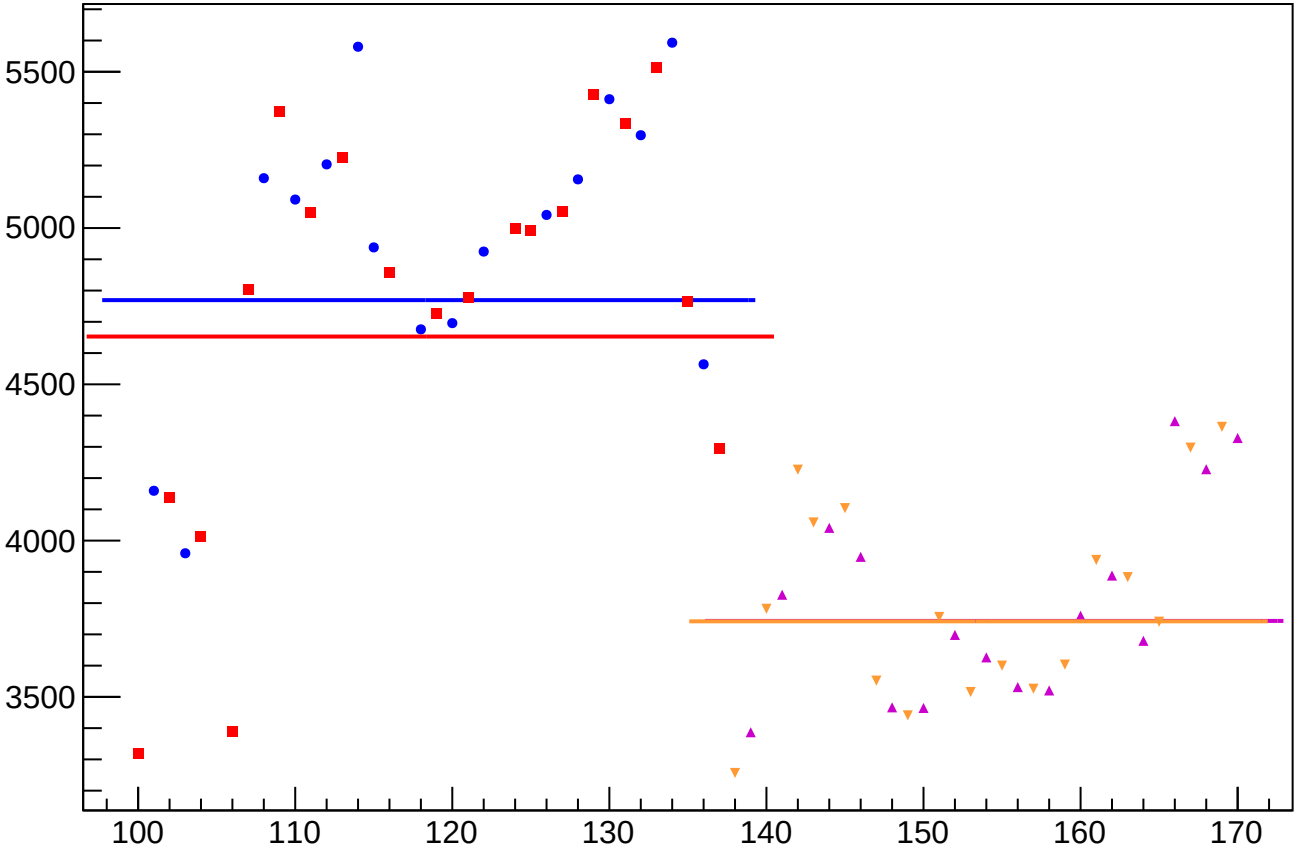
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 7.873+/-0.895 χ^2/NDF:260.5/31

Out: 0.971+/-0.880 χ^2/NDF:177.9/35

All: 4.363+/-0.627 χ^2/NDF: 468.7/67

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3741.790+/-0.725 χ^2/NDF:170553.8/16

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3743.054+/-0.731 χ^2/NDF:150233.7/15

Left: 3742.416+/-0.515 χ^2/NDF: 320789.0/32

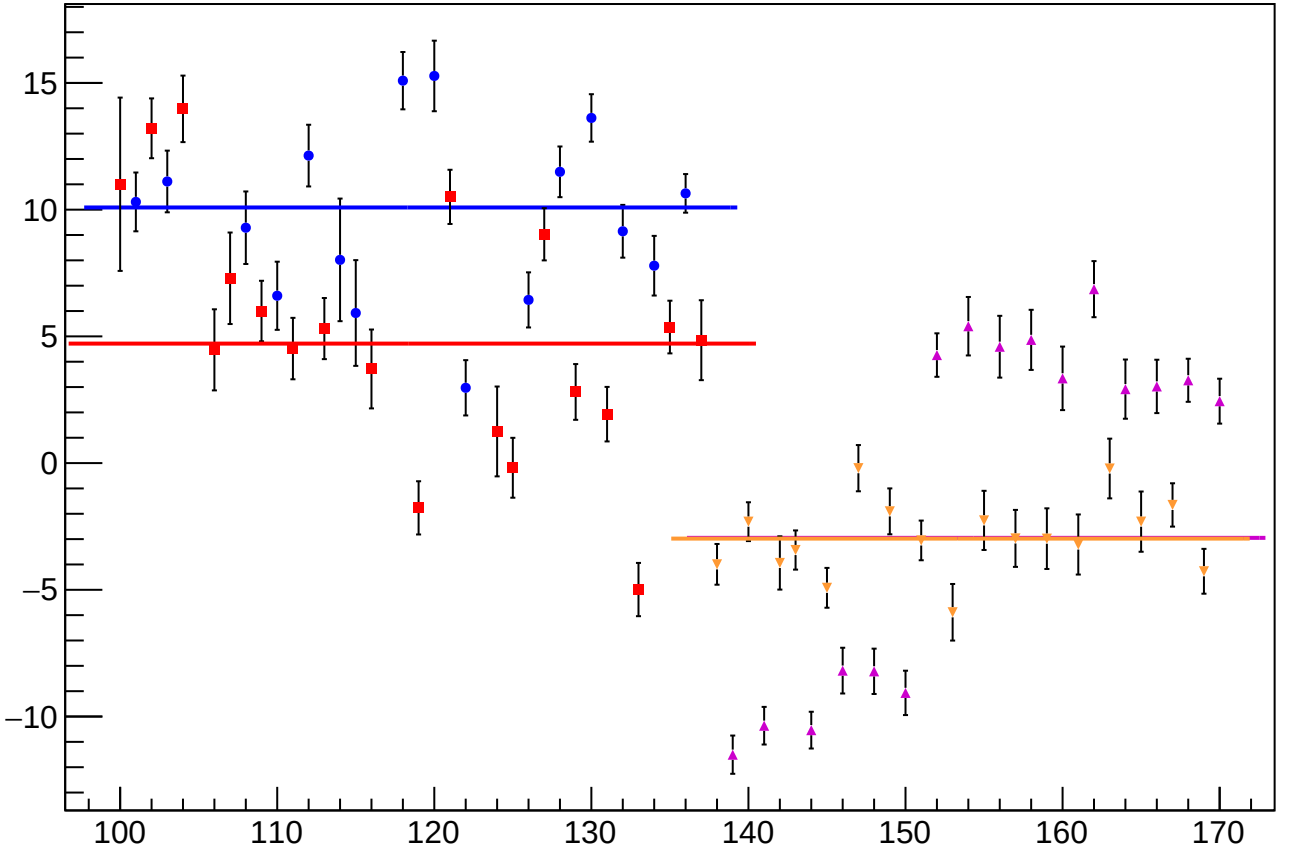
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4001.733+/-0.633 χ^2/NDF:798133.4/31

Out: 3981.874+/-0.622 χ^2/NDF:852116.6/35

All: 3991.636+/-0.444 χ^2/NDF: 1650751.2/67

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.979+/-0.228 χ^2/NDF:37.9/16

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.950+/-0.233 χ^2/NDF:911.5/15

Left: -2.965+/-0.163 χ^2/NDF: 949.4/32

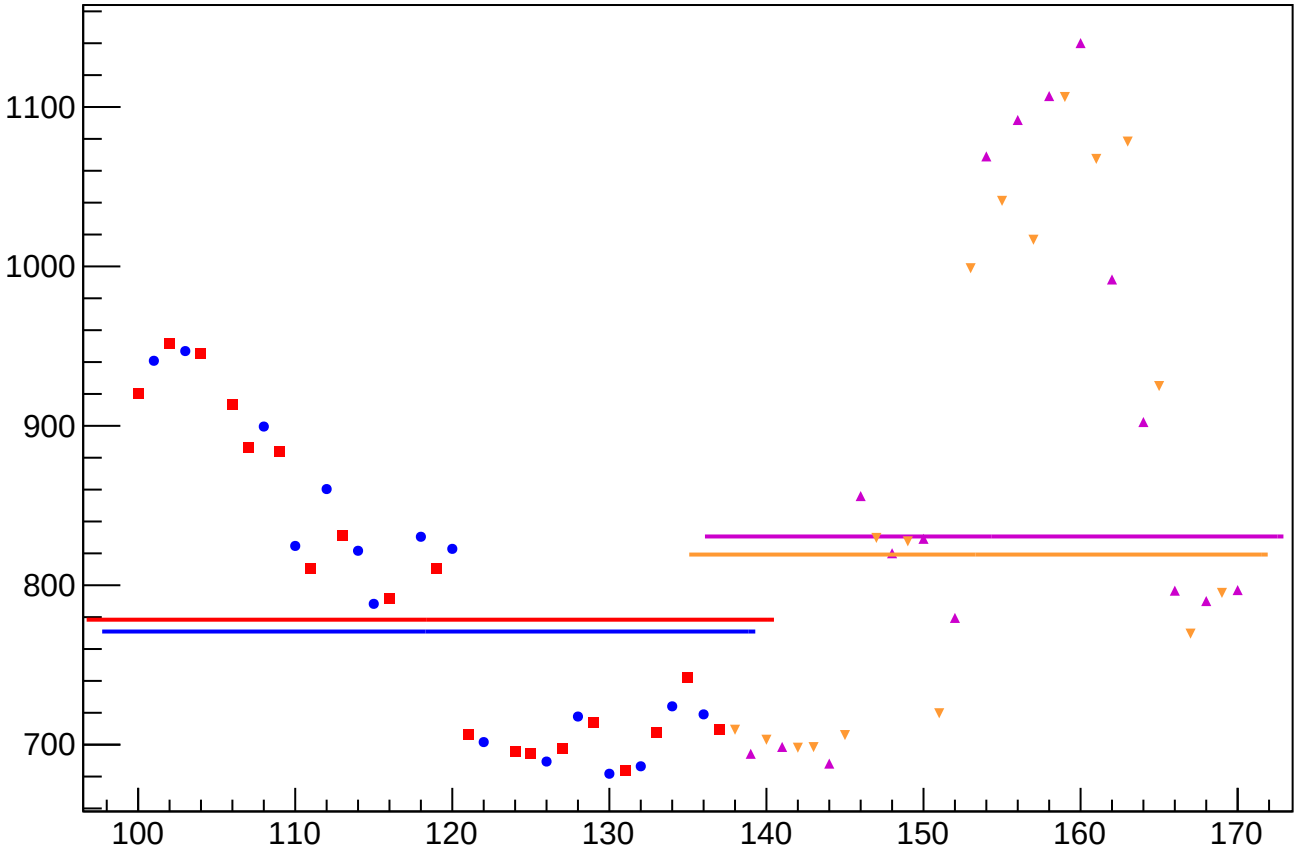
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.186+/-0.181 χ^2/NDF:2273.9/31

Out: 0.006+/-0.178 χ^2/NDF:791.8/35

All: 1.078+/-0.127 χ^2/NDF: 3139.4/67

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 819.253+/-0.161 χ^2/NDF:742225.1/16

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.598+/-0.164 χ^2/NDF:681901.7/15

Left: 824.803+/-0.115 χ^2/NDF: 1426558.9/32

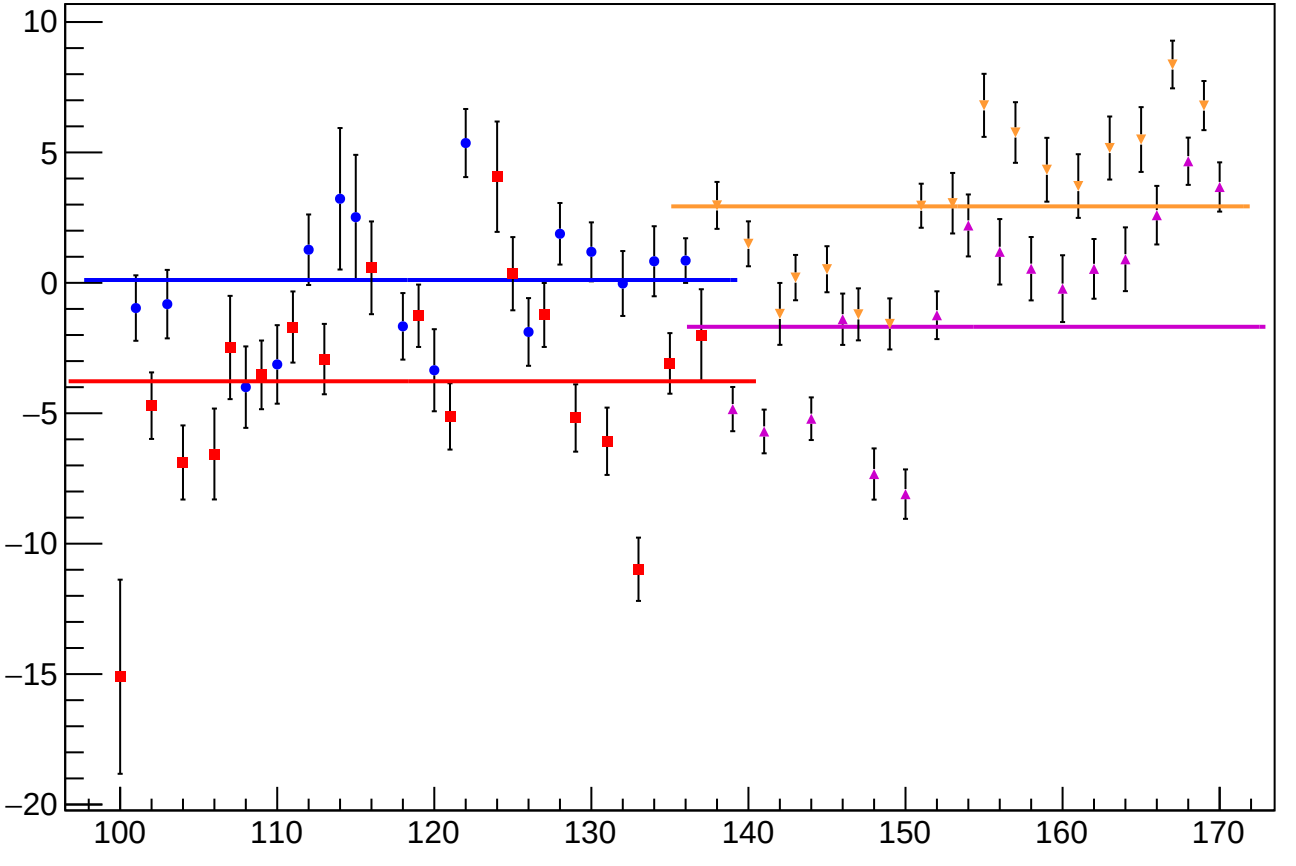
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 807.106+/-0.128 χ^2/NDF:926627.6/31

Out: 803.399+/-0.126 χ^2/NDF:963792.8/35

All: 805.222+/-0.090 χ^2/NDF: 1890846.8/67

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.932+/-0.246 χ^2/NDF:148.5/16

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -1.685+/-0.251 χ^2/NDF:259.3/15

Left: 0.669+/-0.176 χ^2/NDF: 580.3/32

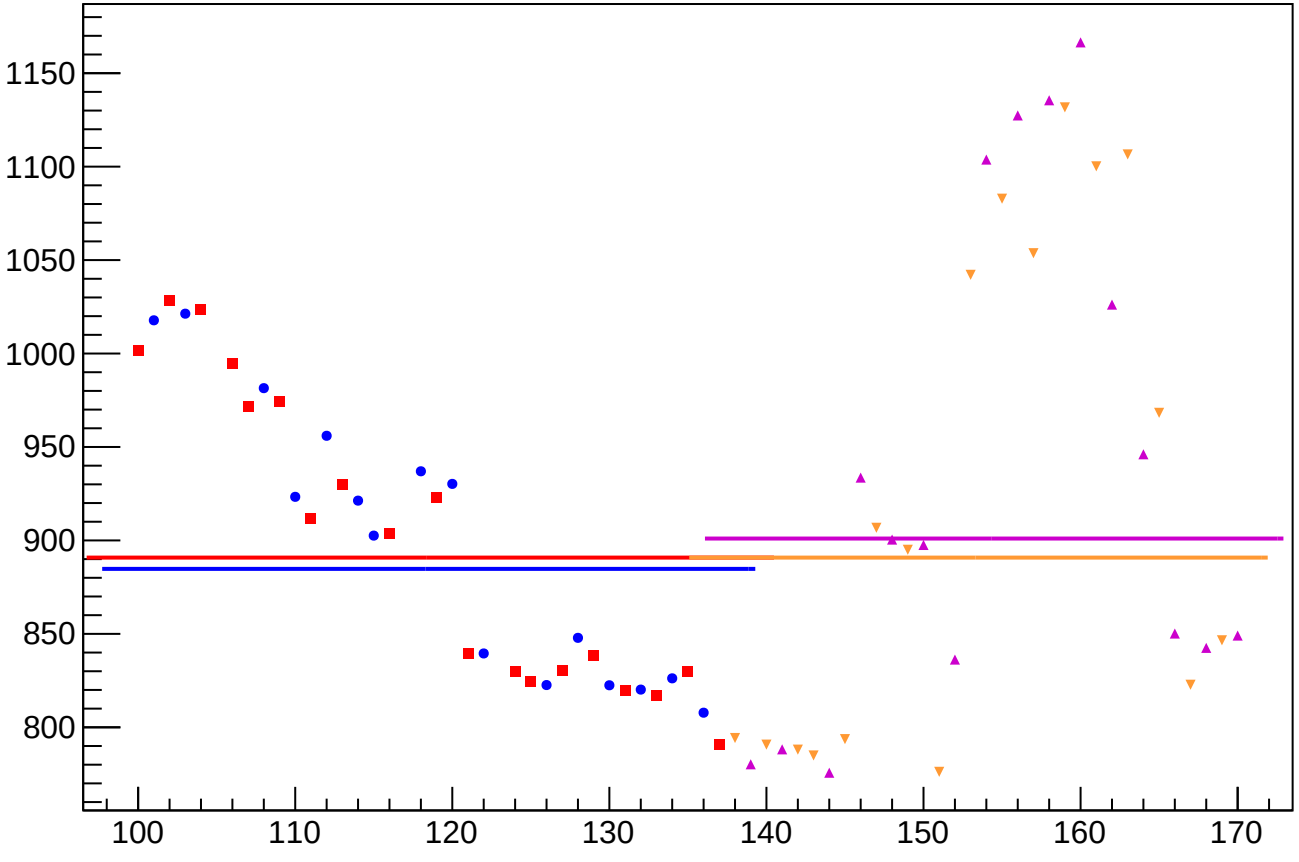
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.027+/-0.200 χ^2/NDF:323.4/31

Out: 0.499+/-0.196 χ^2/NDF:517.5/35

All: -0.251+/-0.140 χ^2/NDF: 870.6/67

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 890.810+/-0.174 χ^2/NDF:503418.0/16

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 901.006+/-0.177 χ^2/NDF:464855.9/15

Left: 895.808+/-0.124 χ^2/NDF: 969957.1/32

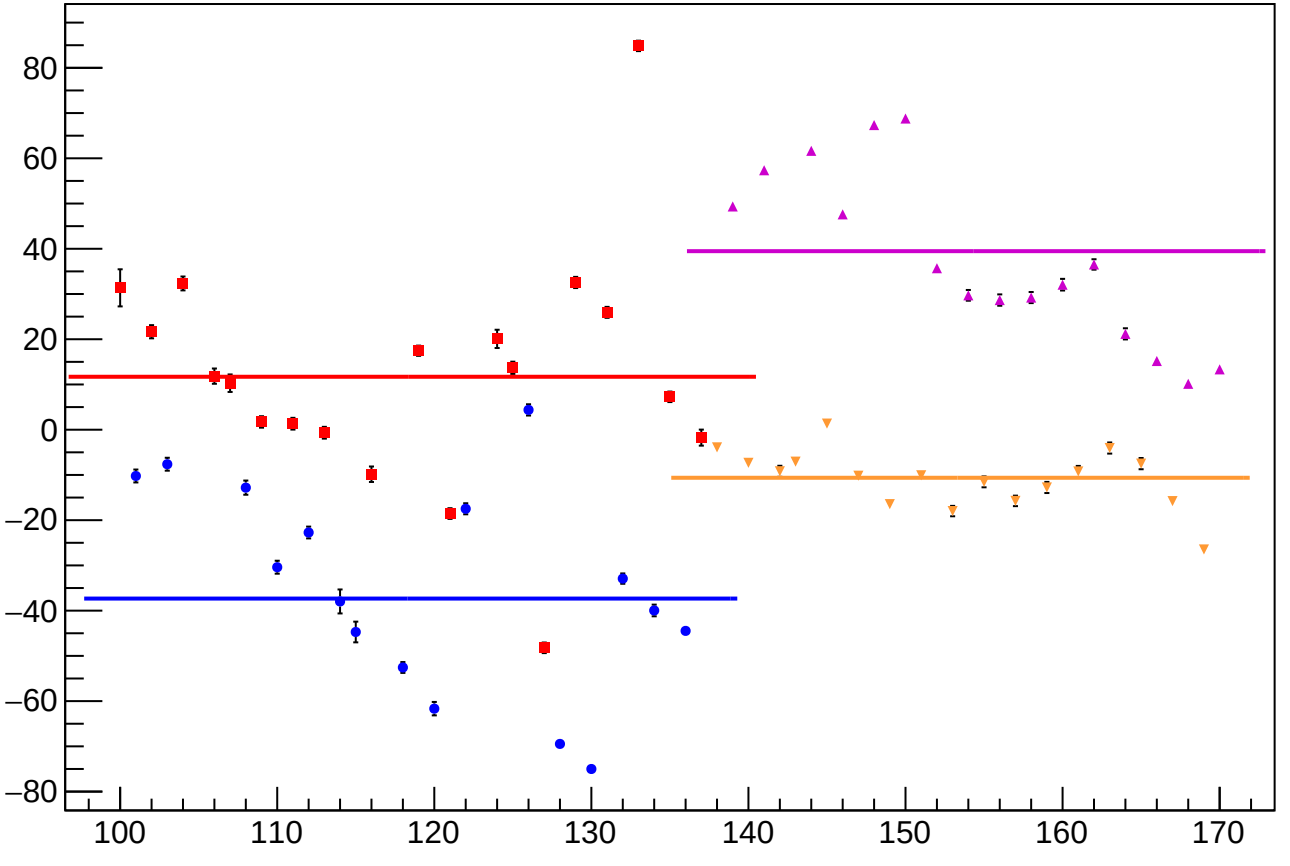
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 895.057+/-0.141 χ^2/NDF:572417.7/31

Out: 890.812+/-0.139 χ^2/NDF:611181.6/35

All: 892.899+/-0.099 χ^2/NDF: 1184058.4/67

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -10.624+/-0.249 χ^2/NDF:714.0/16

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 39.471+/-0.255 χ^2/NDF:5653.8/15

Left: 13.858+/-0.178 χ^2/NDF: 26157.9/32

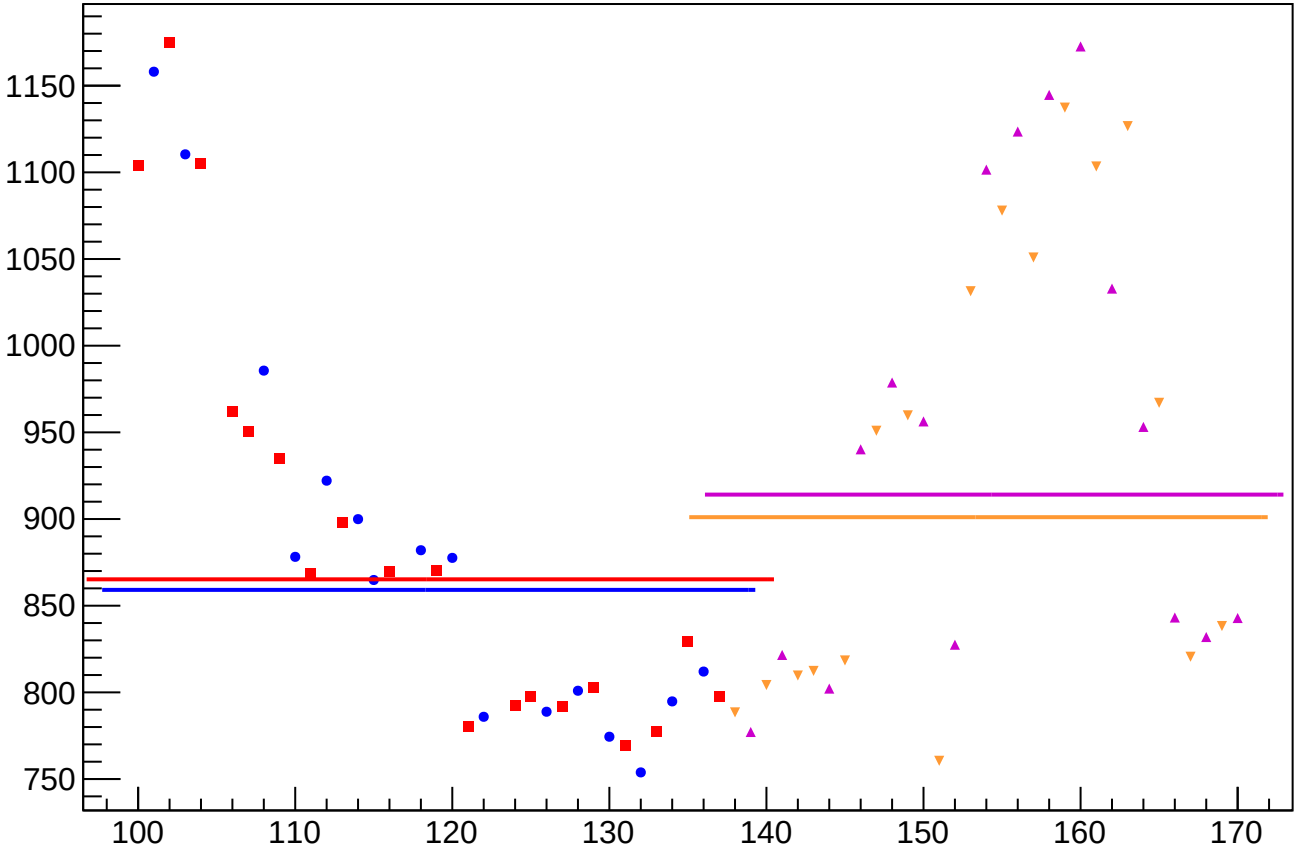
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.893+/-0.200 χ^2/NDF:45875.4/31

Out: -2.136+/-0.196 χ^2/NDF:12236.1/35

All: 3.767+/-0.140 χ^2/NDF: 59960.1/67

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 901.066+/-0.176 χ^2/NDF:499949.3/16

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 914.089+/-0.180 χ^2/NDF:457408.2/15

Left: 907.431+/-0.126 χ^2/NDF: 960032.3/32

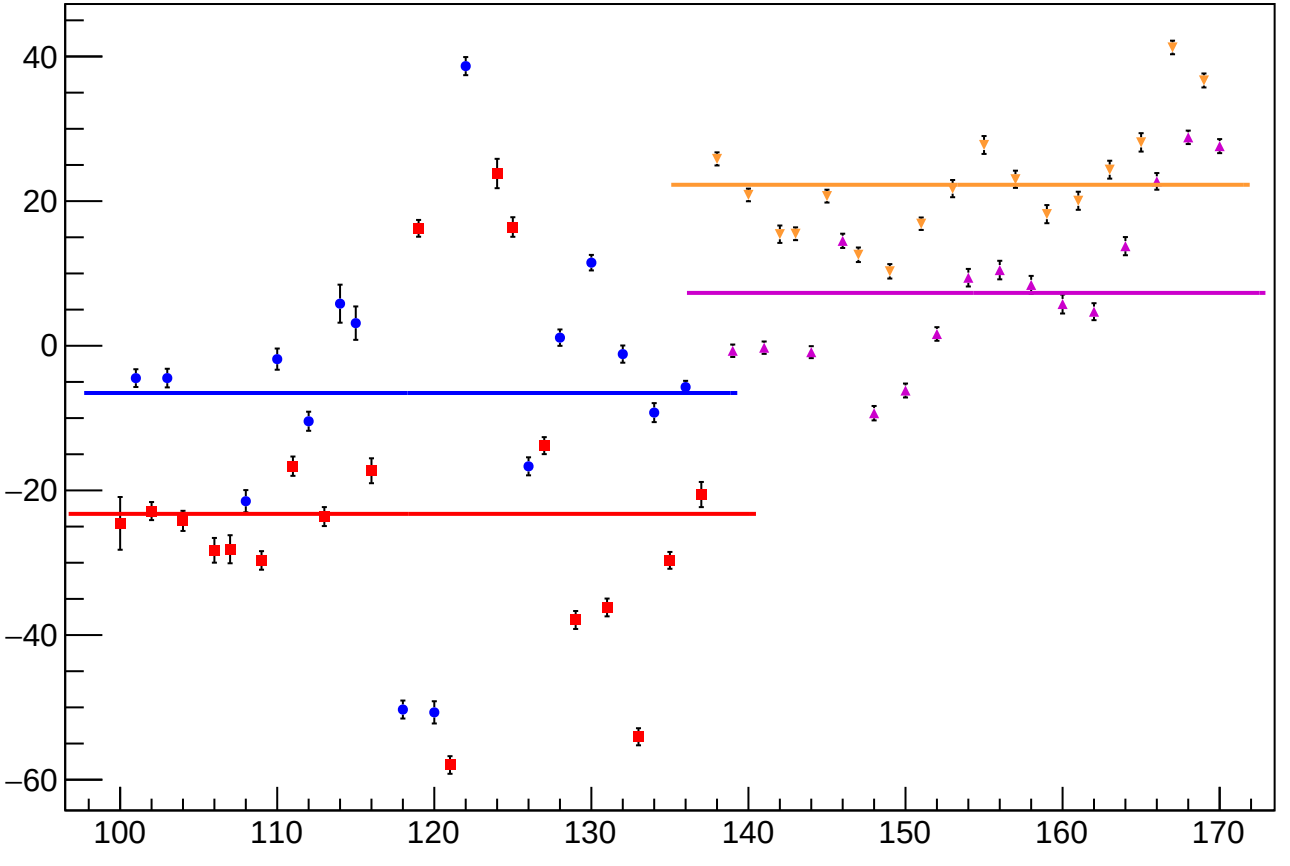
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 892.921+/-0.141 χ^2/NDF:722007.3/31

Out: 887.438+/-0.139 χ^2/NDF:739386.5/35

All: 890.129+/-0.099 χ^2/NDF: 1462162.0/67

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 22.261+/-0.251 χ^2/NDF:1075.8/16

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 7.310+/-0.256 χ^2/NDF:2020.6/15

Left: 14.938+/-0.179 χ^2/NDF: 4837.3/32

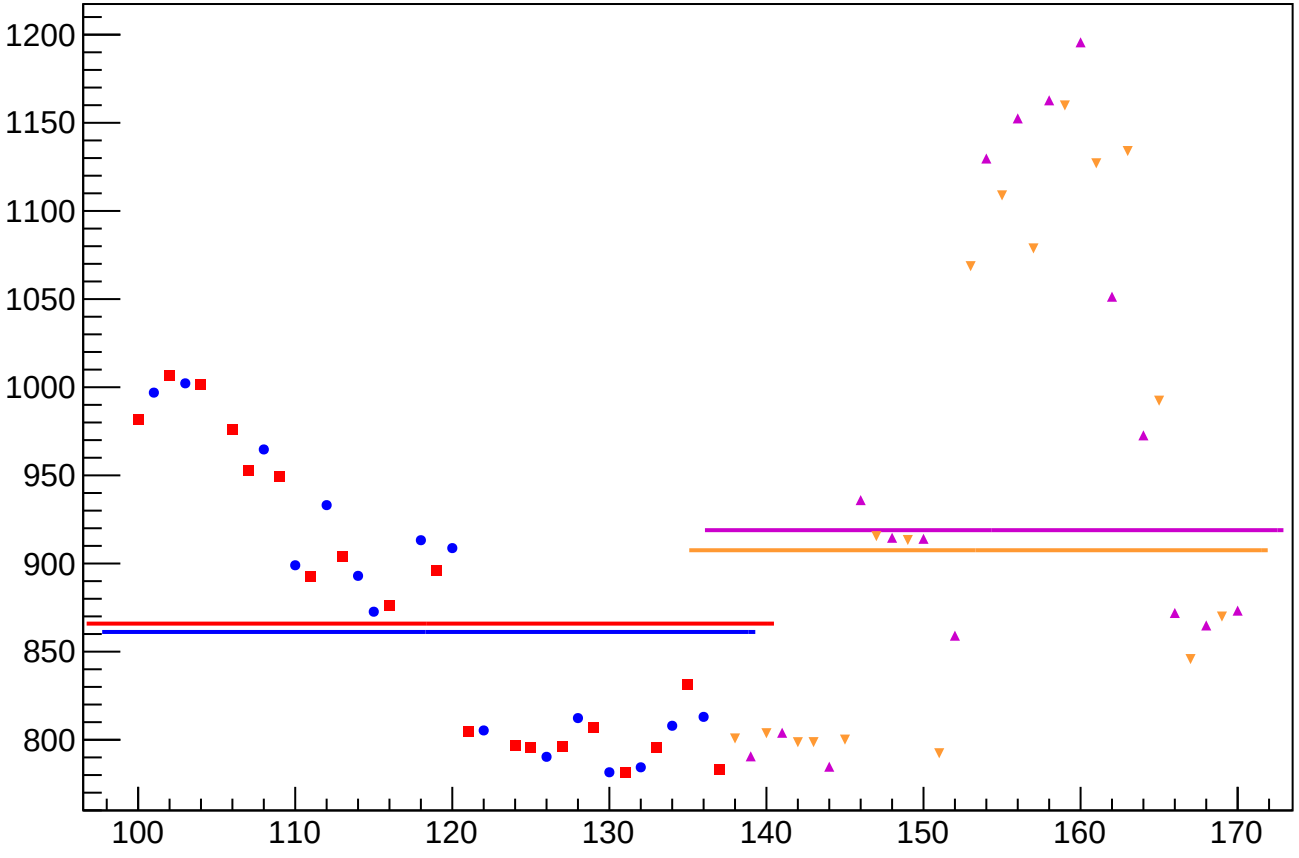
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 1.935+/-0.200 χ^2/NDF:7102.1/31

Out: 4.747+/-0.197 χ^2/NDF:18218.9/35

All: 3.366+/-0.140 χ^2/NDF: 25421.4/67

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 907.526+/-0.177 χ^2/NDF:528697.3/16

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 918.915+/-0.181 χ^2/NDF:478048.1/15

Left: 913.104+/-0.127 χ^2/NDF: 1008765.6/32

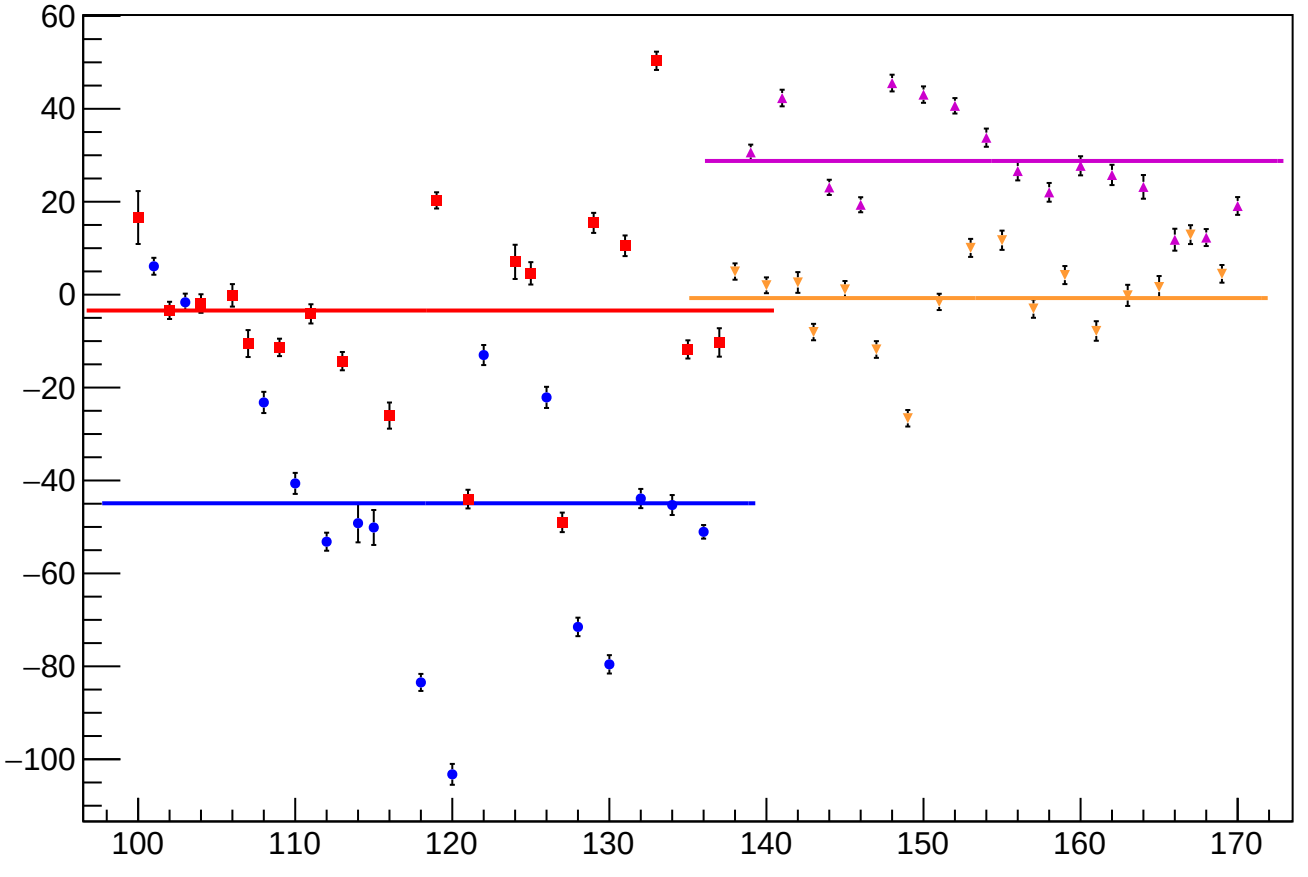
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.487+/-0.142 χ^2/NDF:631115.7/31

Out: 891.507+/-0.139 χ^2/NDF:668318.0/35

All: 893.953+/-0.099 χ^2/NDF: 1300063.4/67

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -0.738+/-0.467 χ^2/NDF:423.6/16

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 28.775+/-0.470 χ^2/NDF:492.1/15

Left: 13.926+/-0.331 χ^2/NDF: 2897.9/32

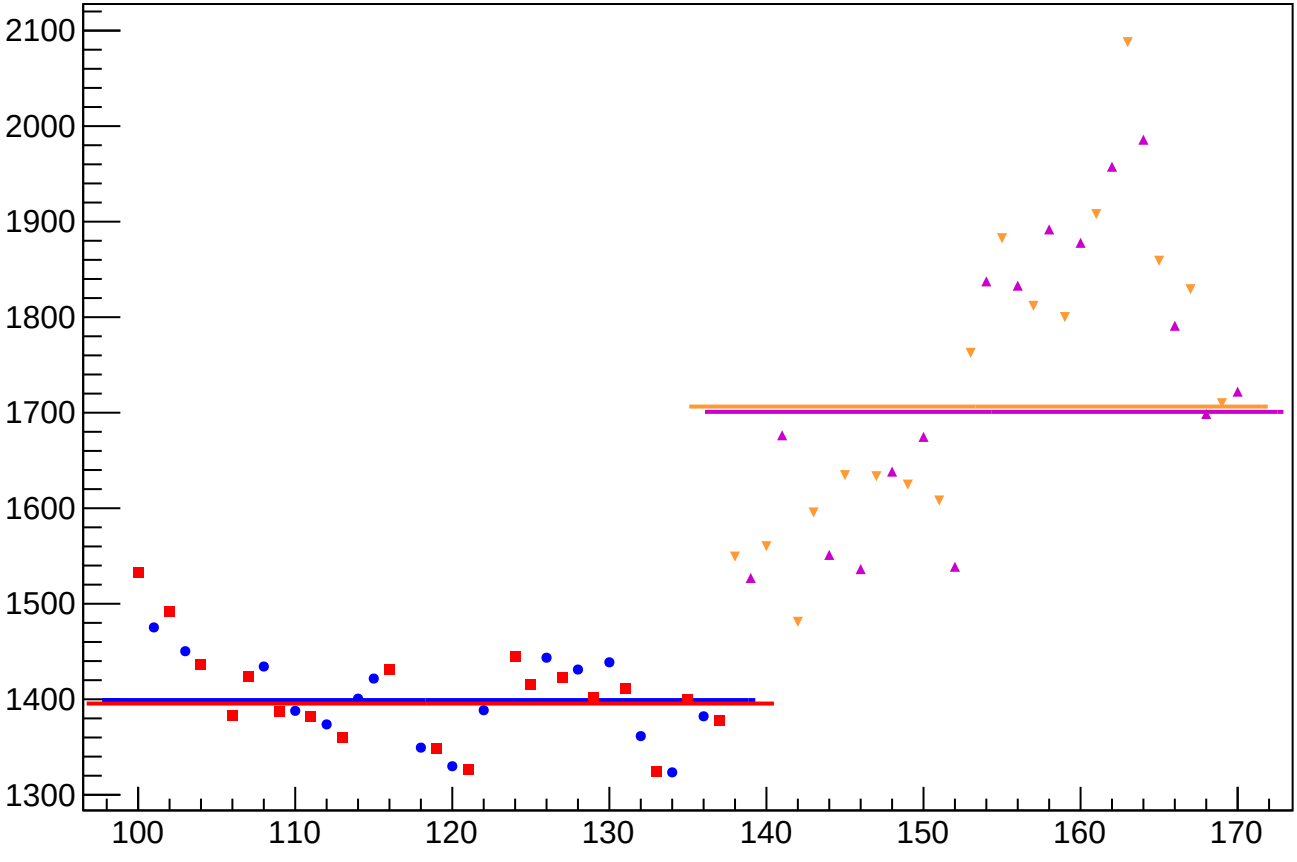
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -4.376+/-0.349 χ^2/NDF:14917.6/31

Out: -1.962+/-0.344 χ^2/NDF:2540.7/35

All: -3.153+/-0.245 χ^2/NDF: 17482.6/67

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.427+/-0.330 χ^2/NDF:192654.2/16

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1700.871+/-0.332 χ^2/NDF:188296.0/15

Left: 1703.666+/-0.234 χ^2/NDF: 381090.7/32

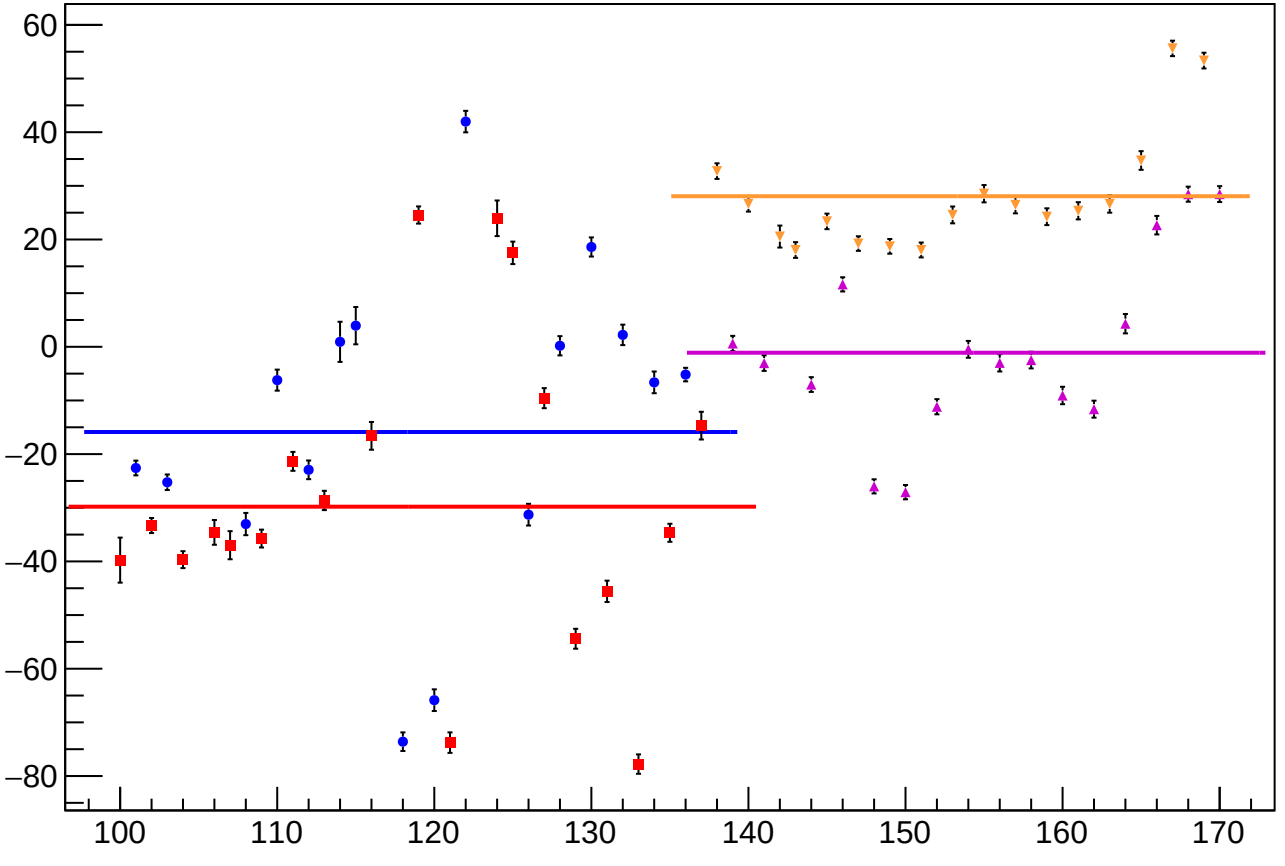
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1565.127+/-0.247 χ^2/NDF:573614.0/31

Out: 1564.303+/-0.243 χ^2/NDF:613642.8/35

All: 1564.709+/-0.173 χ^2/NDF: 1187262.5/67

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 28.068+/-0.368 χ^2/NDF:916.3/16

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -1.105+/-0.370 χ^2/NDF:2012.7/15

Left: 13.558+/-0.261 χ^2/NDF: 6047.8/32

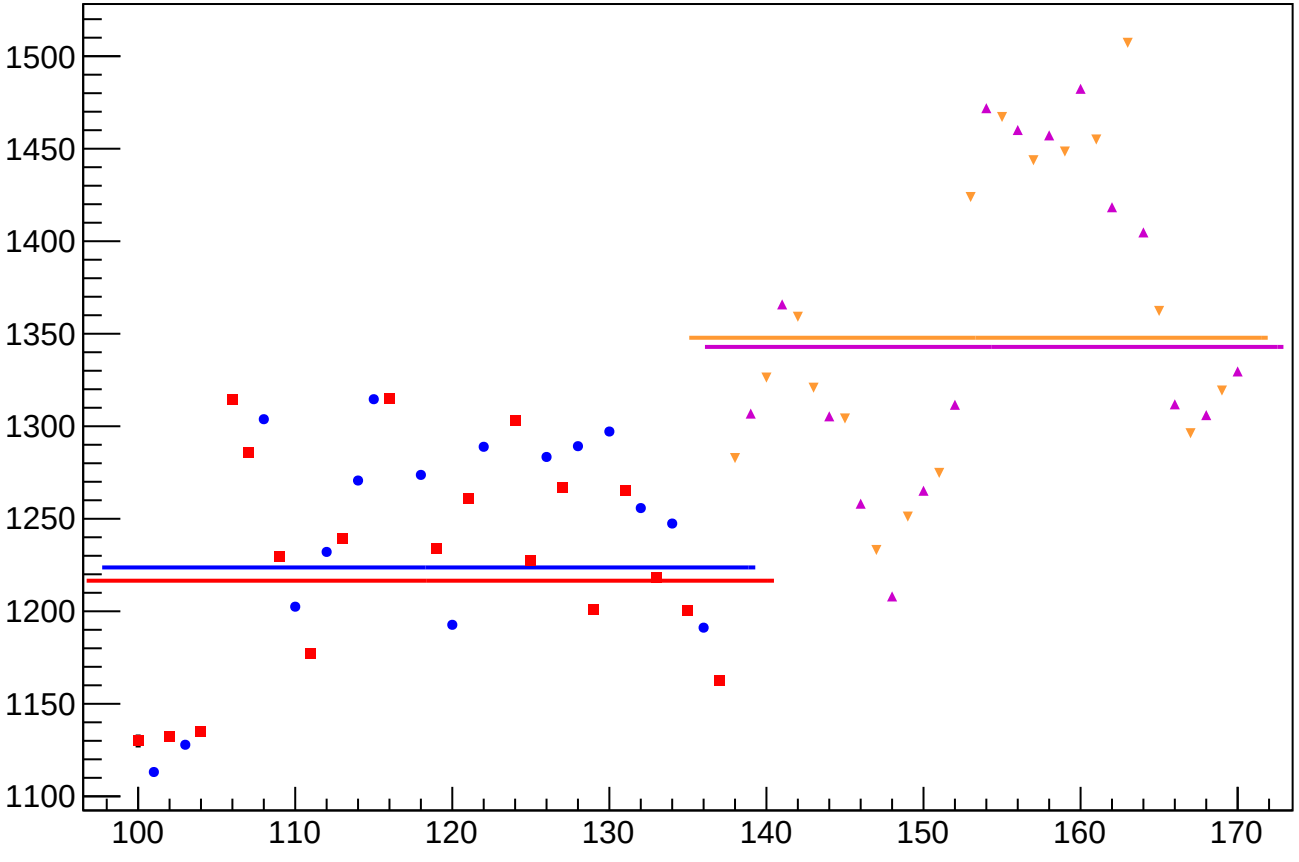
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -6.988+/-0.287 χ^2/NDF:6124.2/31

Out: 4.495+/-0.284 χ^2/NDF:14648.5/35

All: -1.173+/-0.202 χ^2/NDF: 21581.7/67

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1347.834+/-0.261 χ^2/NDF:99355.7/16

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1342.884+/-0.262 χ^2/NDF:98961.9/15

Left: 1345.372+/-0.185 χ^2/NDF: 198497.2/32

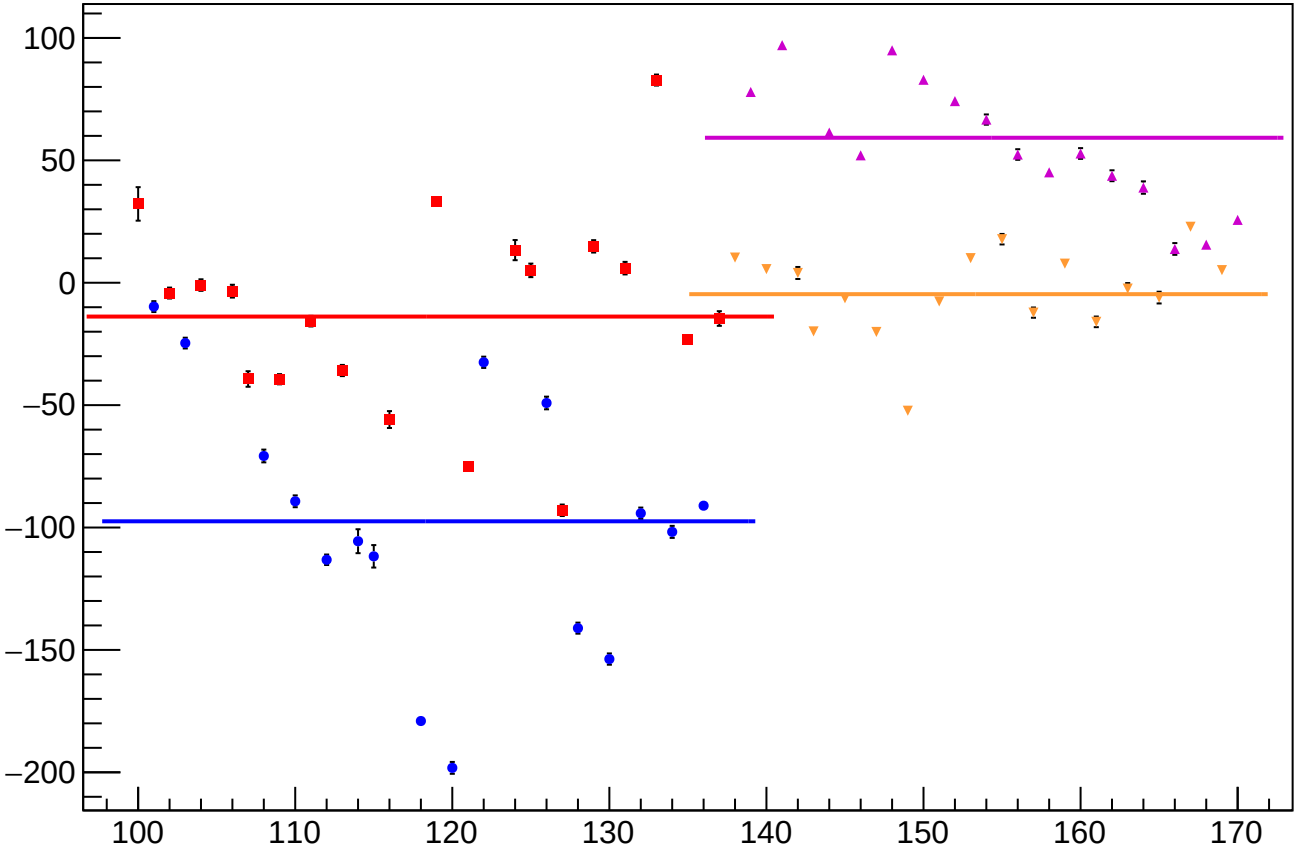
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1295.421+/-0.203 χ^2/NDF:222334.2/31

Out: 1294.347+/-0.201 χ^2/NDF:232223.5/35

All: 1294.877+/-0.143 χ^2/NDF: 454571.8/67

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -4.665+/-0.480 χ^2/NDF:1421.7/16

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 59.228+/-0.485 χ^2/NDF:2601.0/15

Left: 26.933+/-0.341 χ^2/NDF: 12796.7/32

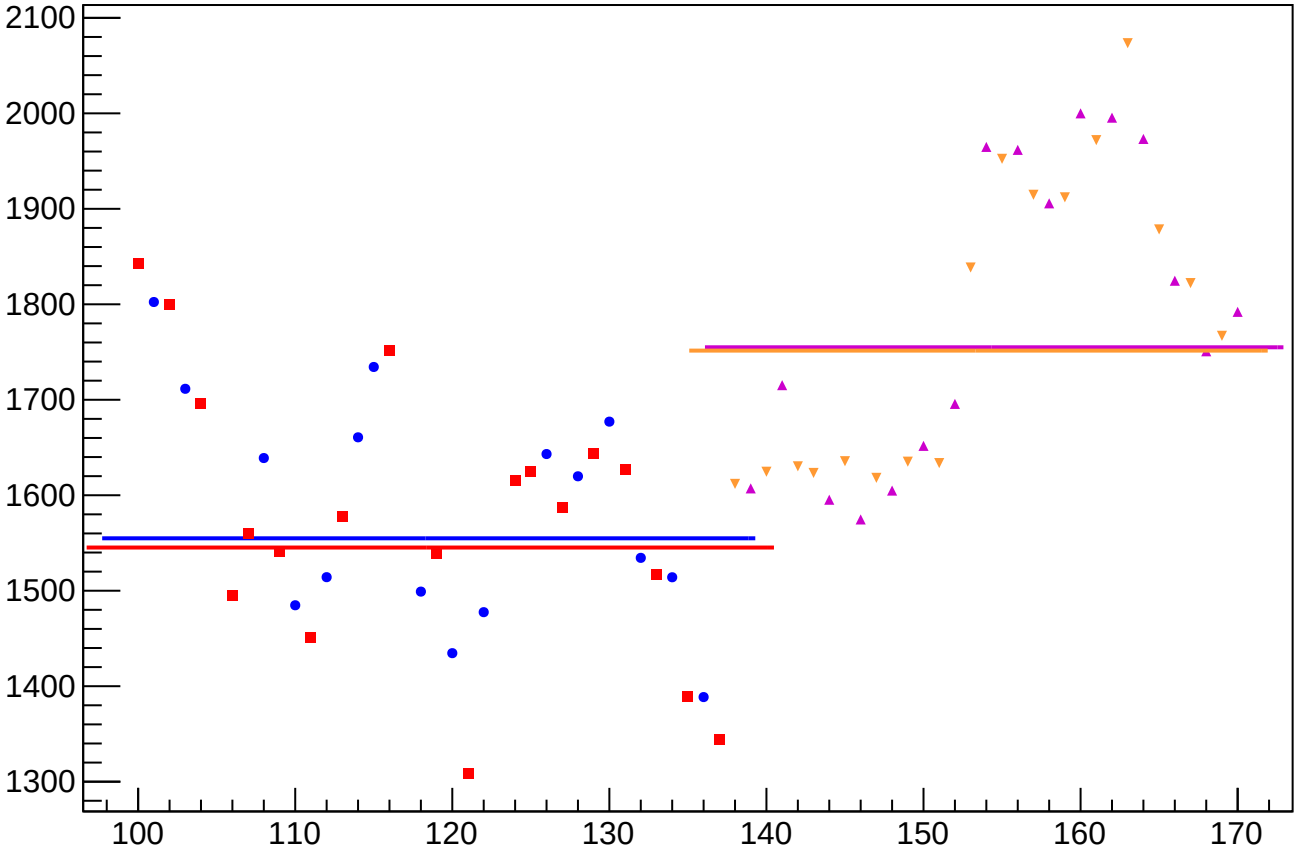
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -5.315+/-0.372 χ^2/NDF:53902.4/31

Out: -8.493+/-0.366 χ^2/NDF:6926.1/35

All: -6.930+/-0.261 χ^2/NDF: 60865.7/67

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1751.502+/-0.339 χ^2/NDF:188294.8/16

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1754.965+/-0.343 χ^2/NDF:195557.9/15

Left: 1753.215+/-0.241 χ^2/NDF: 383904.3/32

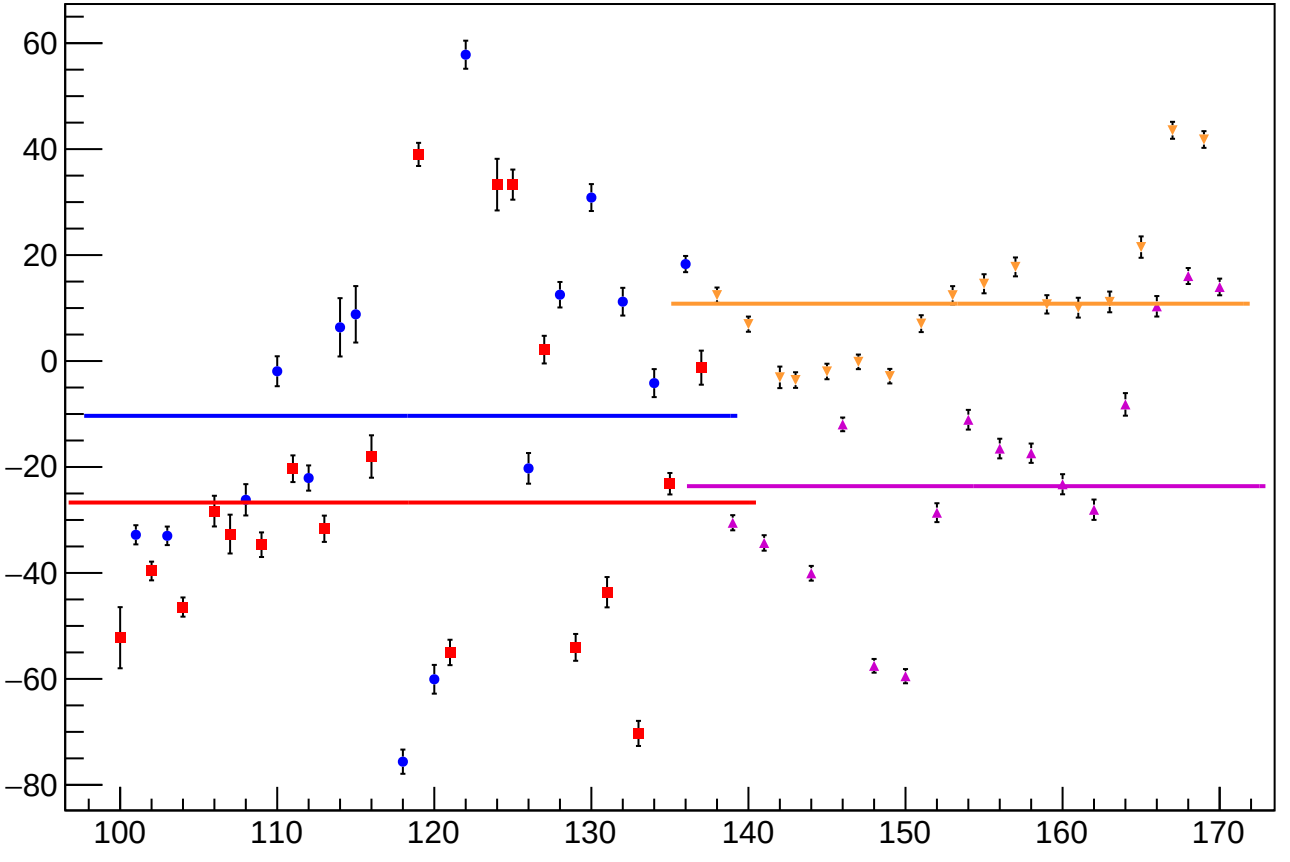
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1672.555+/-0.263 χ^2/NDF:423686.6/31

Out: 1665.223+/-0.259 χ^2/NDF:451769.3/35

All: 1668.829+/-0.184 χ^2/NDF: 875851.1/67

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 10.824+/-0.393 χ^2/NDF:1248.2/16

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -23.619+/-0.399 χ^2/NDF:3402.8/15

Left: -6.166+/-0.280 χ^2/NDF: 8433.2/32

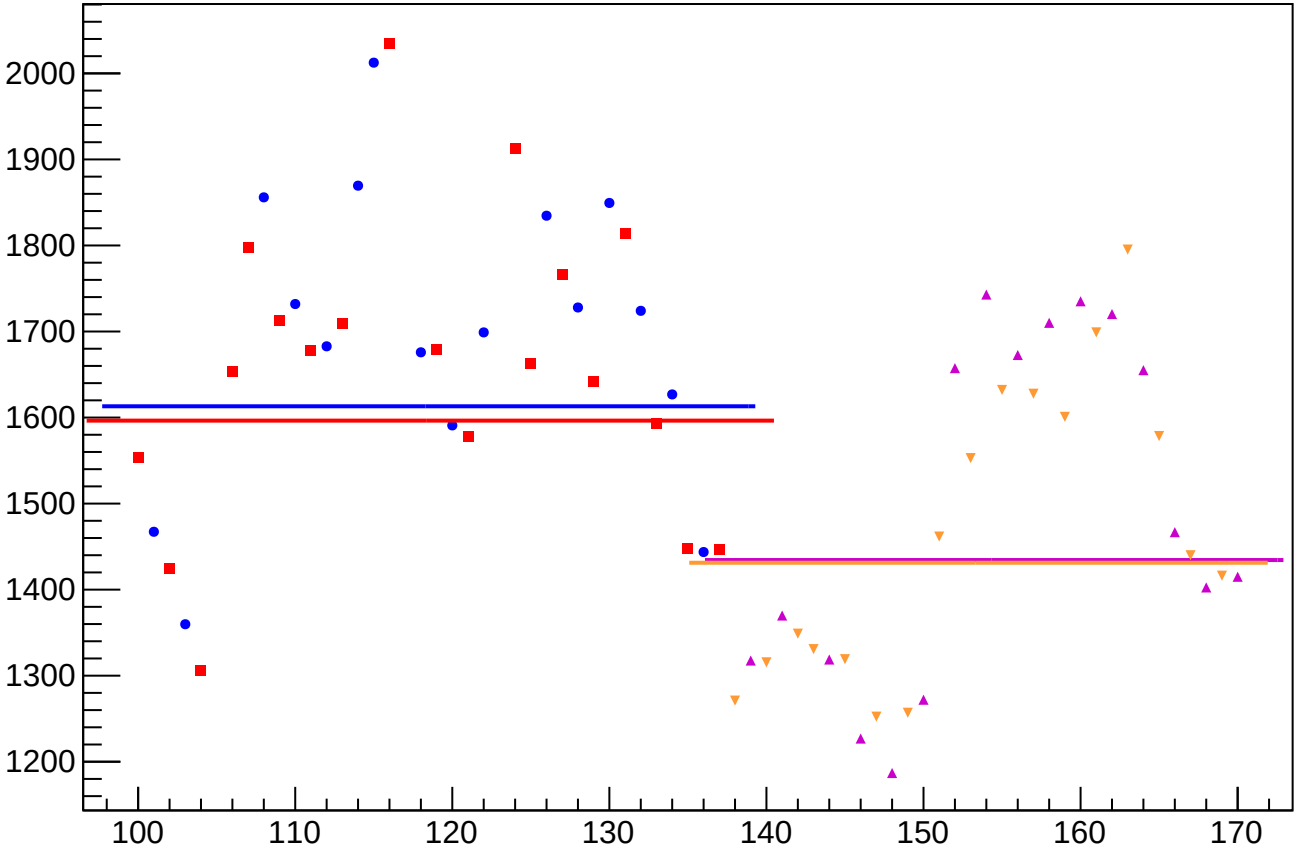
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -19.583+/-0.333 χ^2/NDF:6746.8/31

Out: -0.824+/-0.327 χ^2/NDF:6614.7/35

All: -10.035+/-0.233 χ^2/NDF: 14980.8/67

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1431.261+/-0.278 χ^2/NDF:327902.6/16

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1434.404+/-0.282 χ^2/NDF:467247.9/15

Left: 1432.812+/-0.198 χ^2/NDF: 795213.5/32

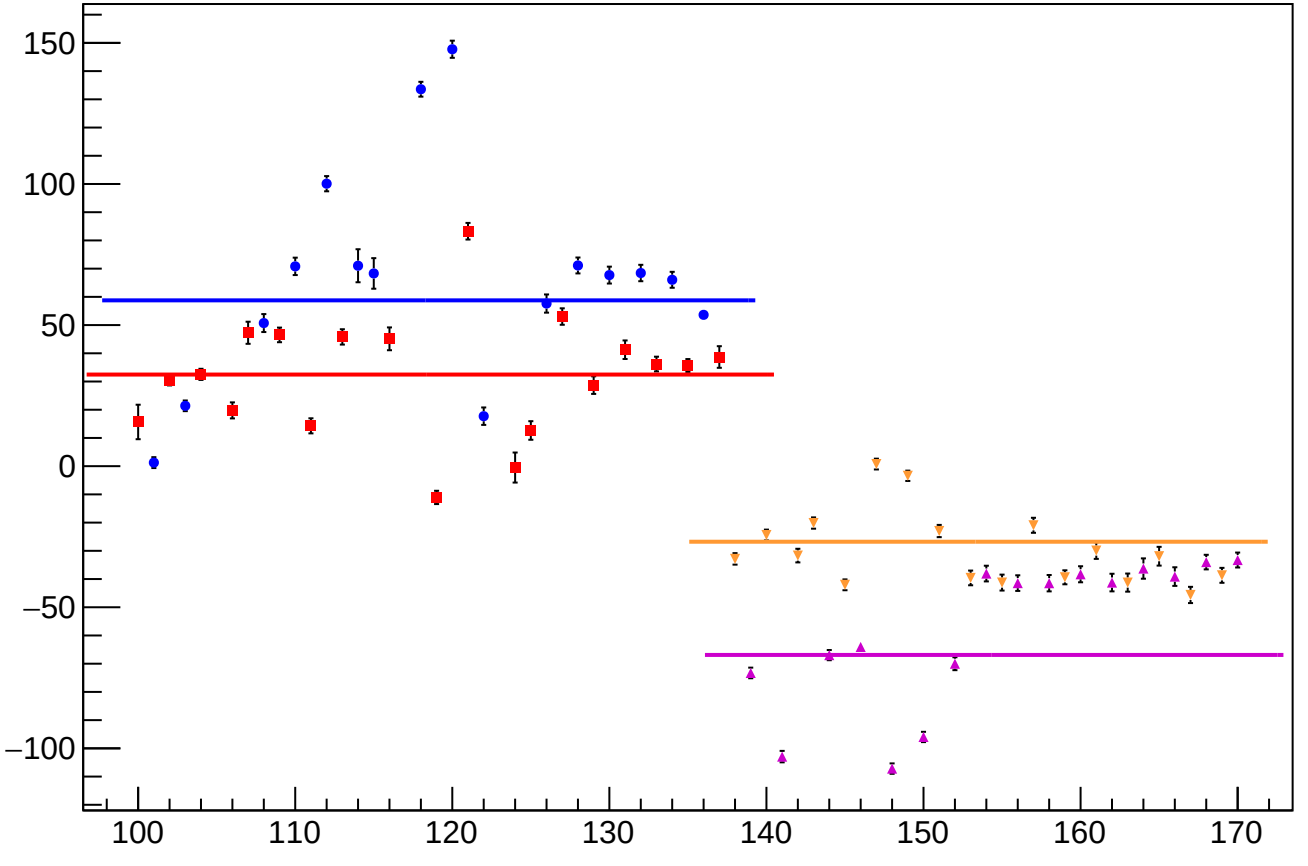
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1488.737+/-0.235 χ^2/NDF:744129.7/31

Out: 1482.525+/-0.231 χ^2/NDF:598076.4/35

All: 1485.575+/-0.165 χ^2/NDF: 1342561.3/67

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.775+/-0.565 χ^2/NDF:629.6/16

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -66.896+/-0.577 χ^2/NDF:1967.8/15

Left: -46.419+/-0.404 χ^2/NDF: 5065.0/32

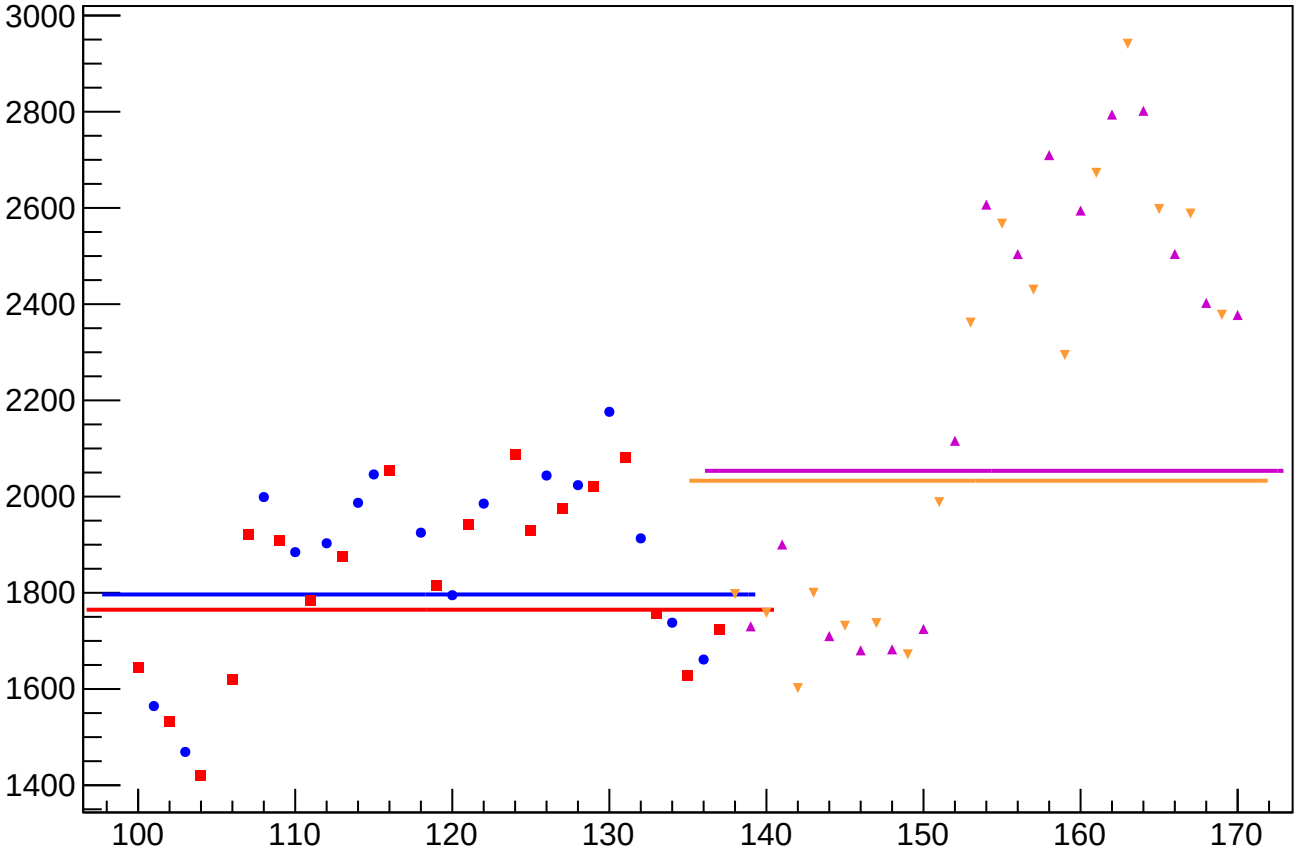
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -13.612+/-0.438 χ^2/NDF:25522.4/31

Out: -1.201+/-0.426 χ^2/NDF:6303.9/35

All: -7.236+/-0.305 χ^2/NDF: 32239.0/67

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2032.954+/-0.400 χ^2/NDF:924922.9/16

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2053.539+/-0.408 χ^2/NDF:988876.9/15

Left: 2043.033+/-0.285 χ^2/NDF: 1915099.0/32

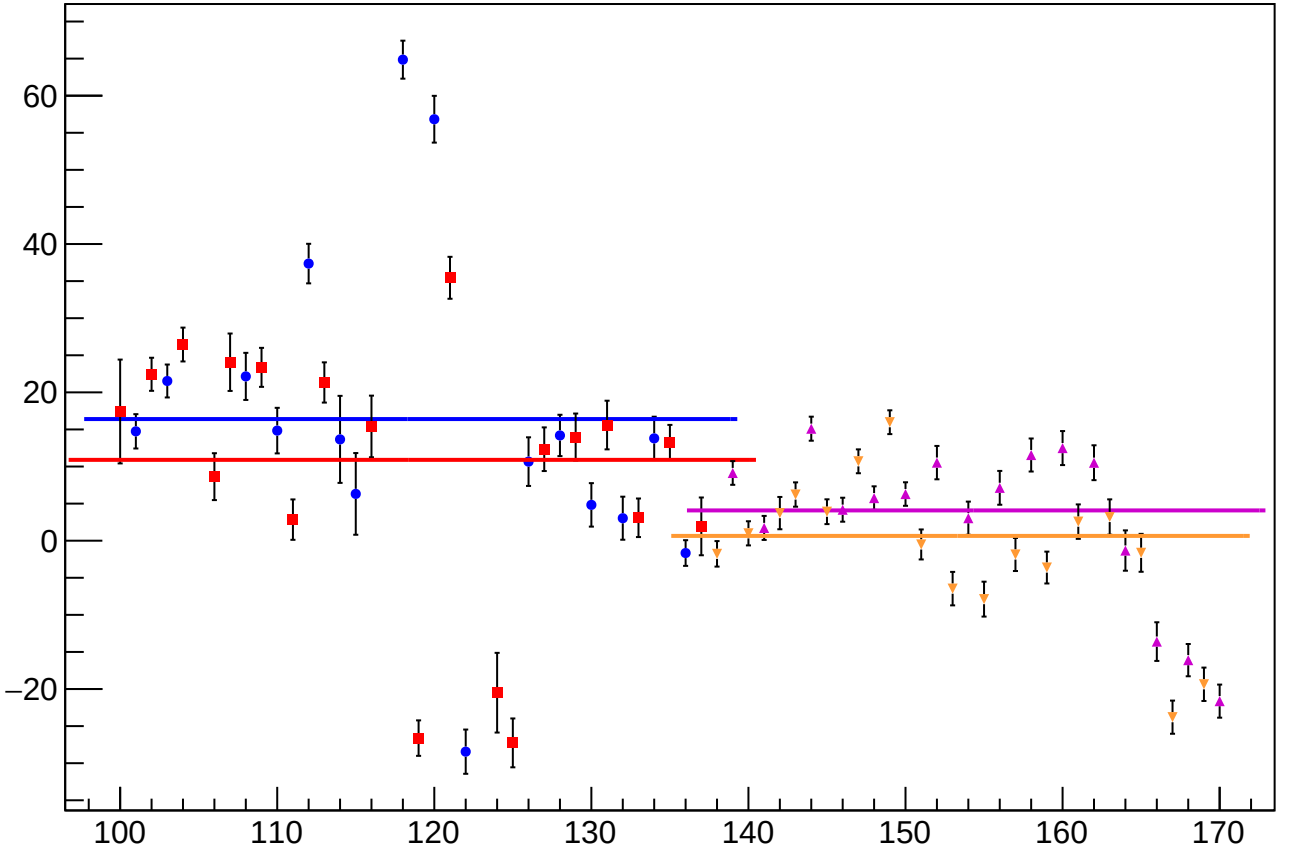
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1944.566+/-0.310 χ^2/NDF:1350281.2/31

Out: 1917.222+/-0.301 χ^2/NDF:1309202.6/35

All: 1930.519+/-0.216 χ^2/NDF: 2663490.1/67

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 0.646+/-0.478 χ^2/NDF:379.4/16

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 4.082+/-0.489 χ^2/NDF:372.7/15

Left: 2.325+/-0.342 χ^2/NDF: 777.4/32

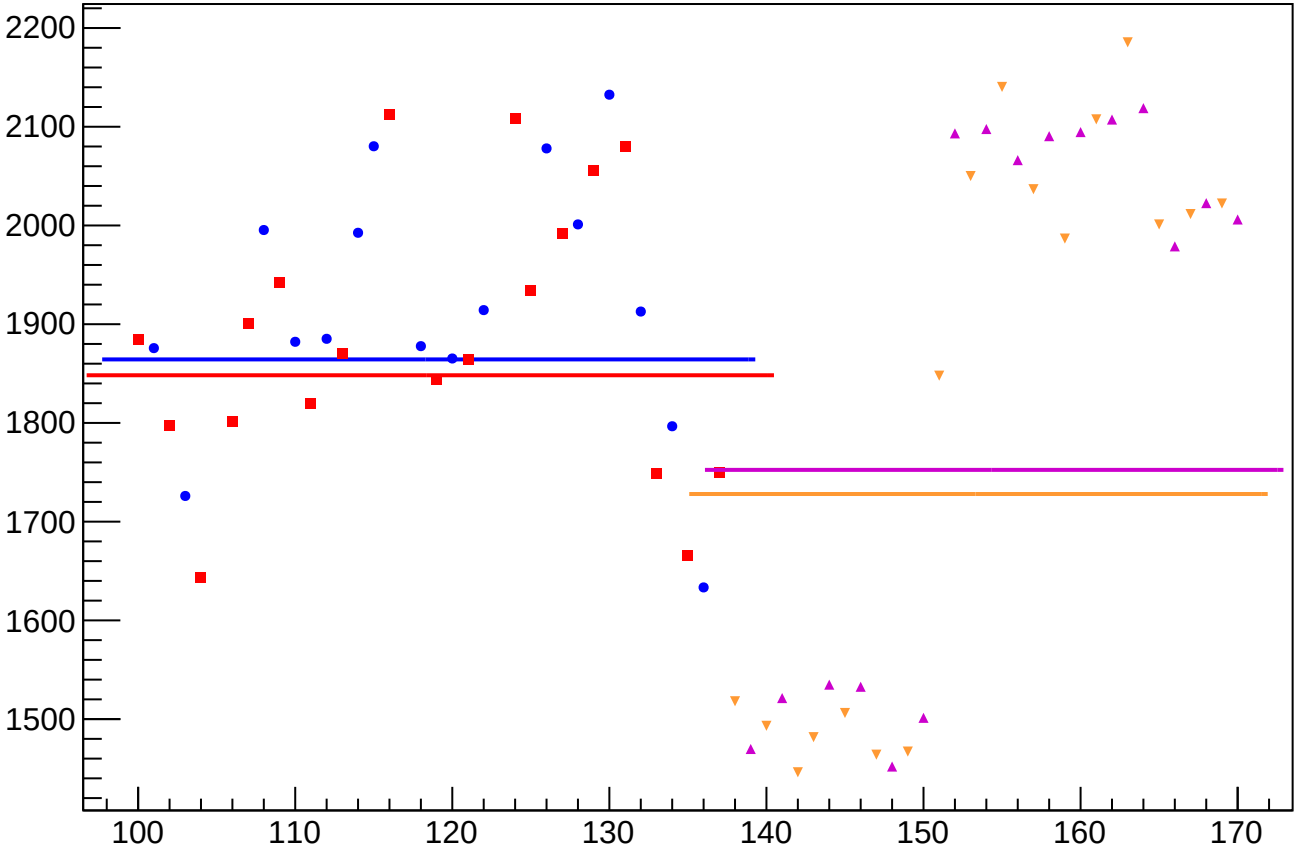
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 8.156+/-0.400 χ^2/NDF:1555.9/31

Out: 4.059+/-0.390 χ^2/NDF:1174.5/35

All: 6.058+/-0.279 χ^2/NDF: 2784.2/67

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1728.007+/-0.338 χ^2/NDF:684822.2/16

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1752.448+/-0.345 χ^2/NDF:674088.7/15

Left: 1739.953+/-0.242 χ^2/NDF: 1361469.7/32

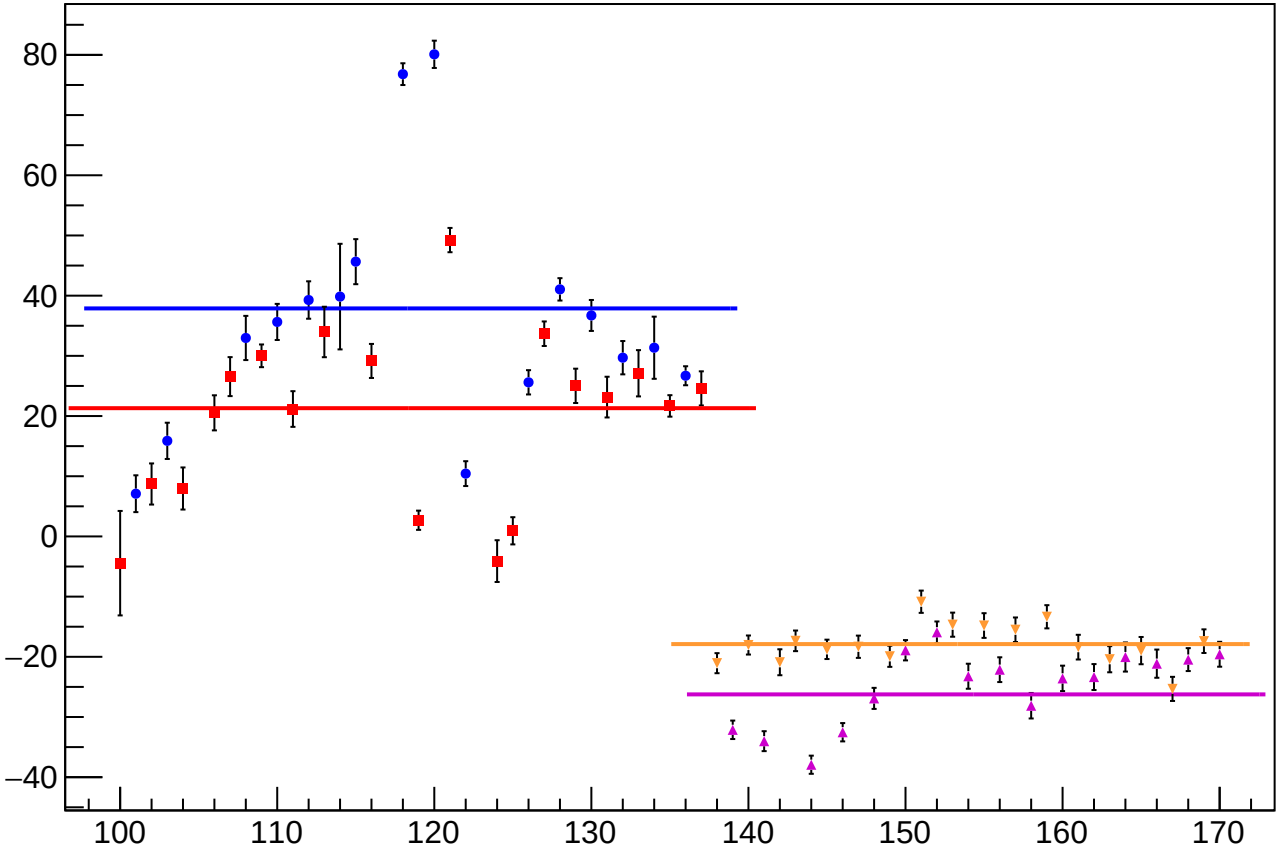
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1789.455+/-0.283 χ^2/NDF:792093.3/31

Out: 1768.048+/-0.276 χ^2/NDF:801983.9/35

All: 1778.494+/-0.197 χ^2/NDF: 1597014.7/67

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.887+/-0.458 χ^2/NDF:49.1/16

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -26.243+/-0.464 χ^2/NDF:207.4/15

Left: -22.013+/-0.326 χ^2/NDF: 420.7/32

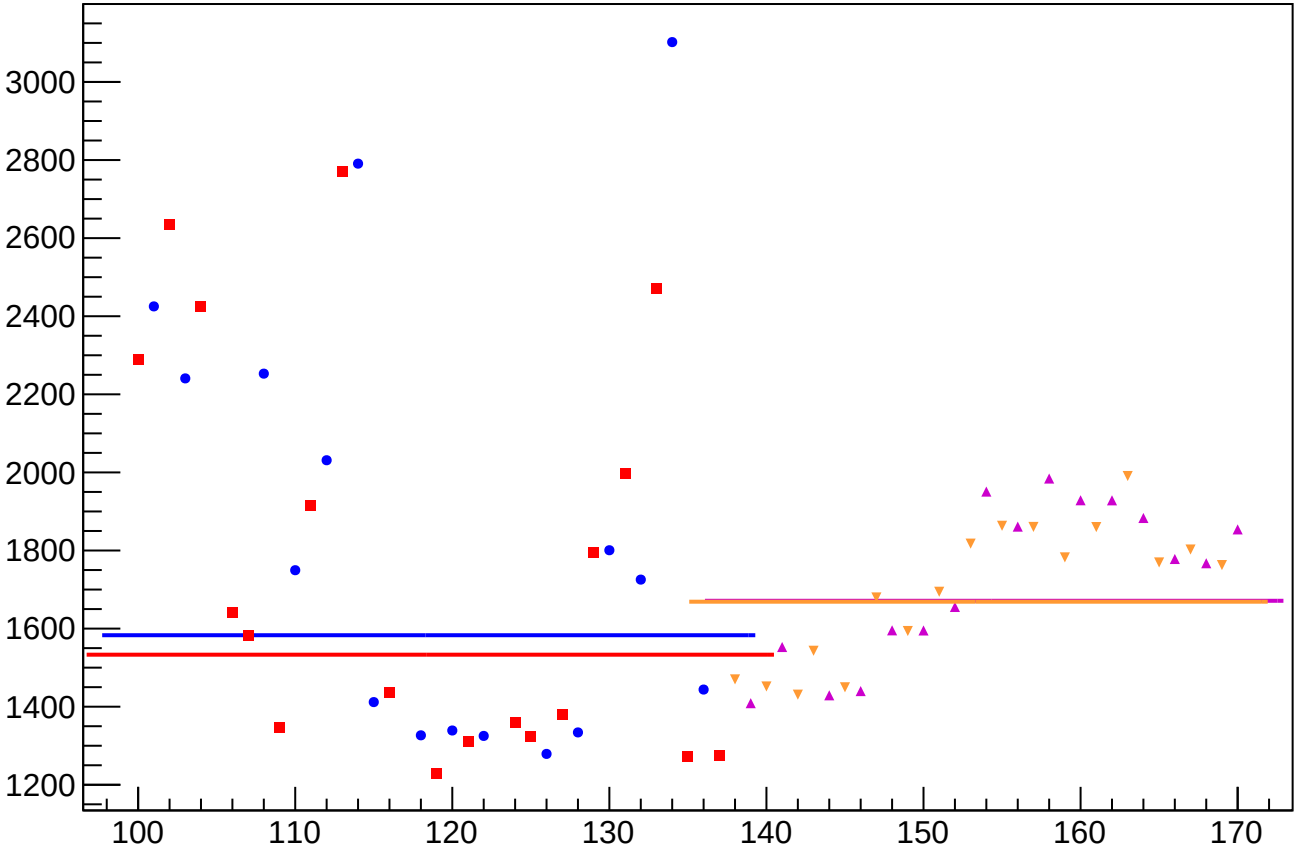
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -3.335+/-0.372 χ^2/NDF:8280.3/31

Out: -3.231+/-0.363 χ^2/NDF:3367.1/35

All: -3.281+/-0.260 χ^2/NDF: 11647.4/67

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1668.900+/-0.324 χ^2/NDF:274796.3/16

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1671.237+/-0.328 χ^2/NDF:369789.4/15

Left: 1670.054+/-0.231 χ^2/NDF: 644611.4/32

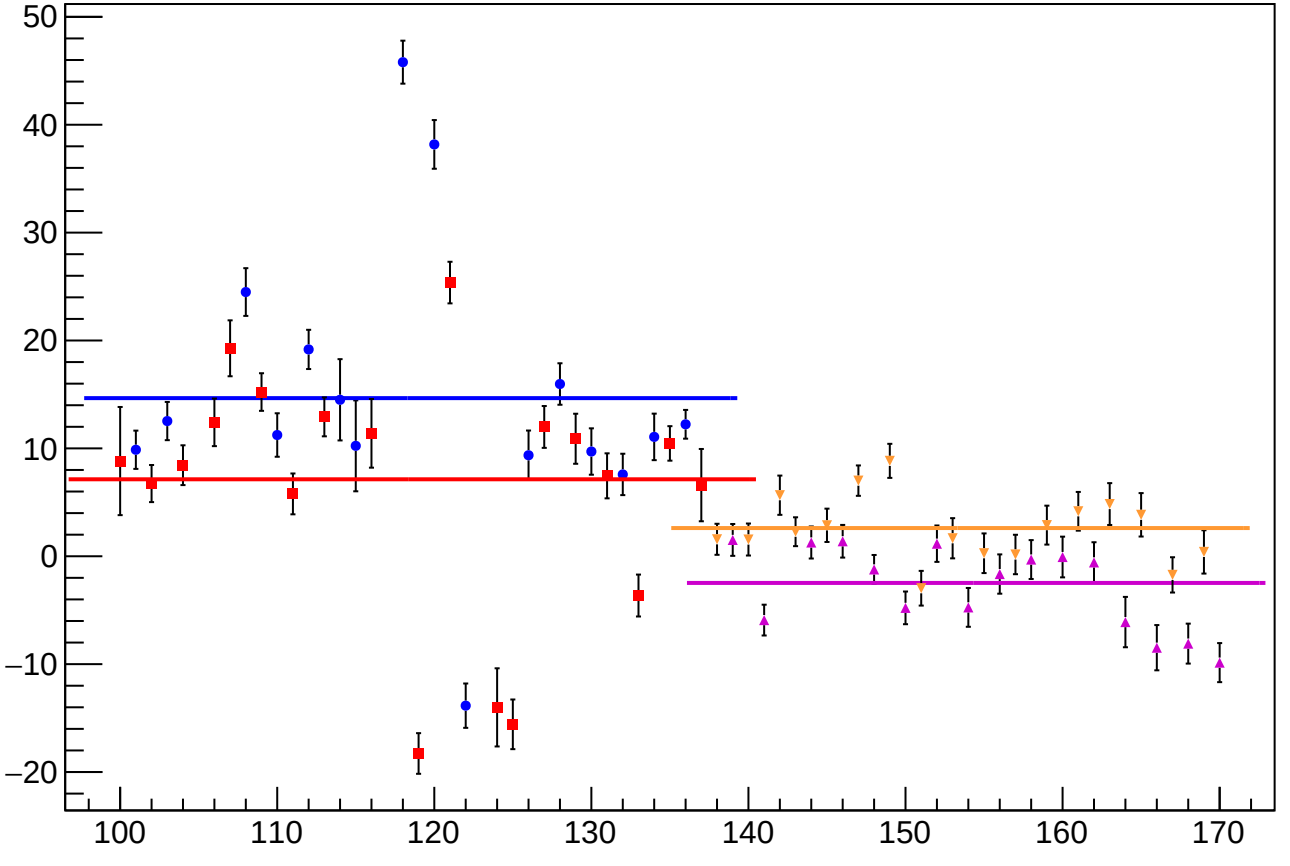
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1639.731+/-0.263 χ^2/NDF:1183271.5/31

Out: 1618.151+/-0.256 χ^2/NDF:1291166.0/35

All: 1628.665+/-0.184 χ^2/NDF: 2477888.9/67

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.615+/-0.403 χ^2/NDF:55.7/16

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.472+/-0.420 χ^2/NDF:76.2/15

Left: 0.172+/-0.291 χ^2/NDF: 208.2/32

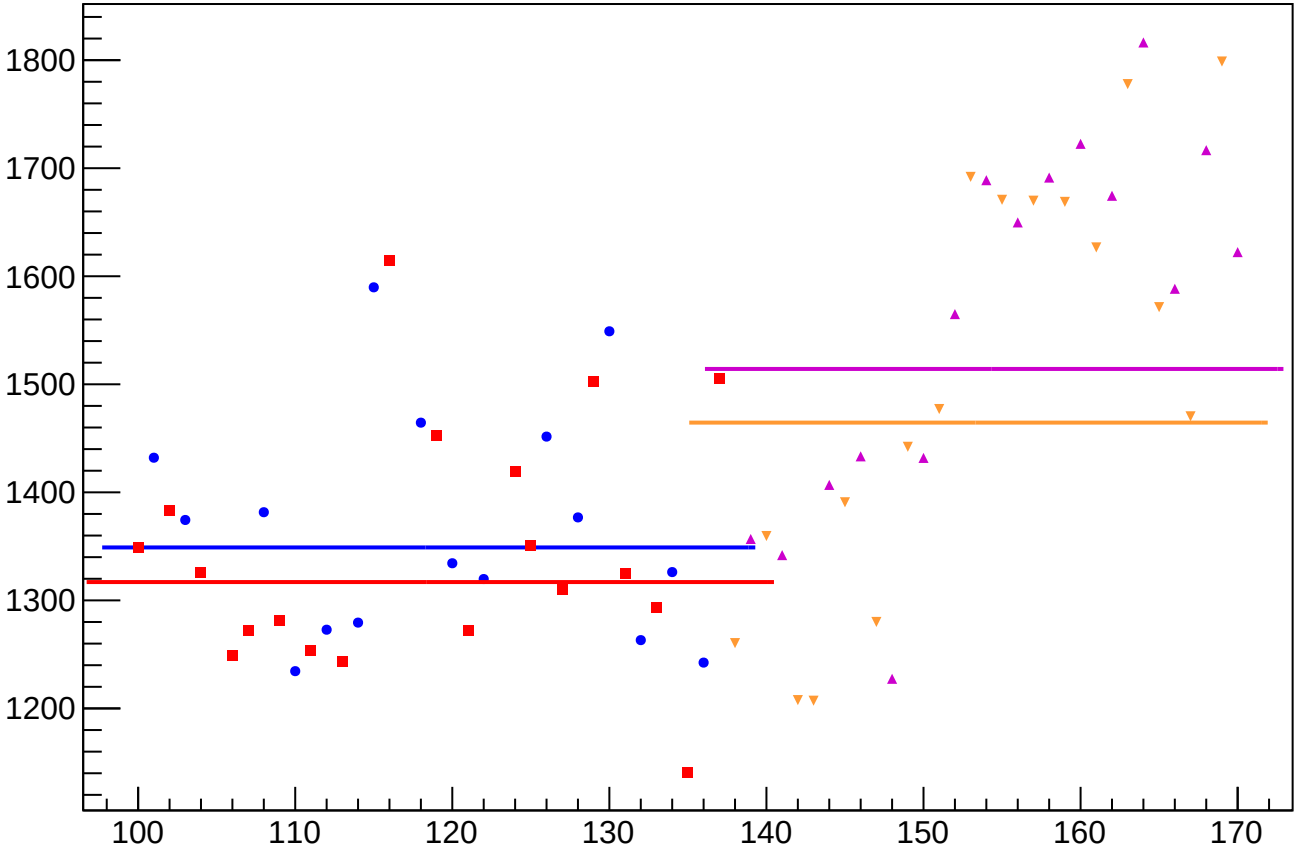
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 4.536+/-0.323 χ^2/NDF:1372.3/31

Out: 4.471+/-0.310 χ^2/NDF:616.6/35

All: 4.502+/-0.223 χ^2/NDF: 1988.9/67

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1464.544+/-0.285 χ^2/NDF:439062.7/16

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1514.203+/-0.297 χ^2/NDF:322664.9/15

Left: 1488.386+/-0.206 χ^2/NDF: 776279.1/32

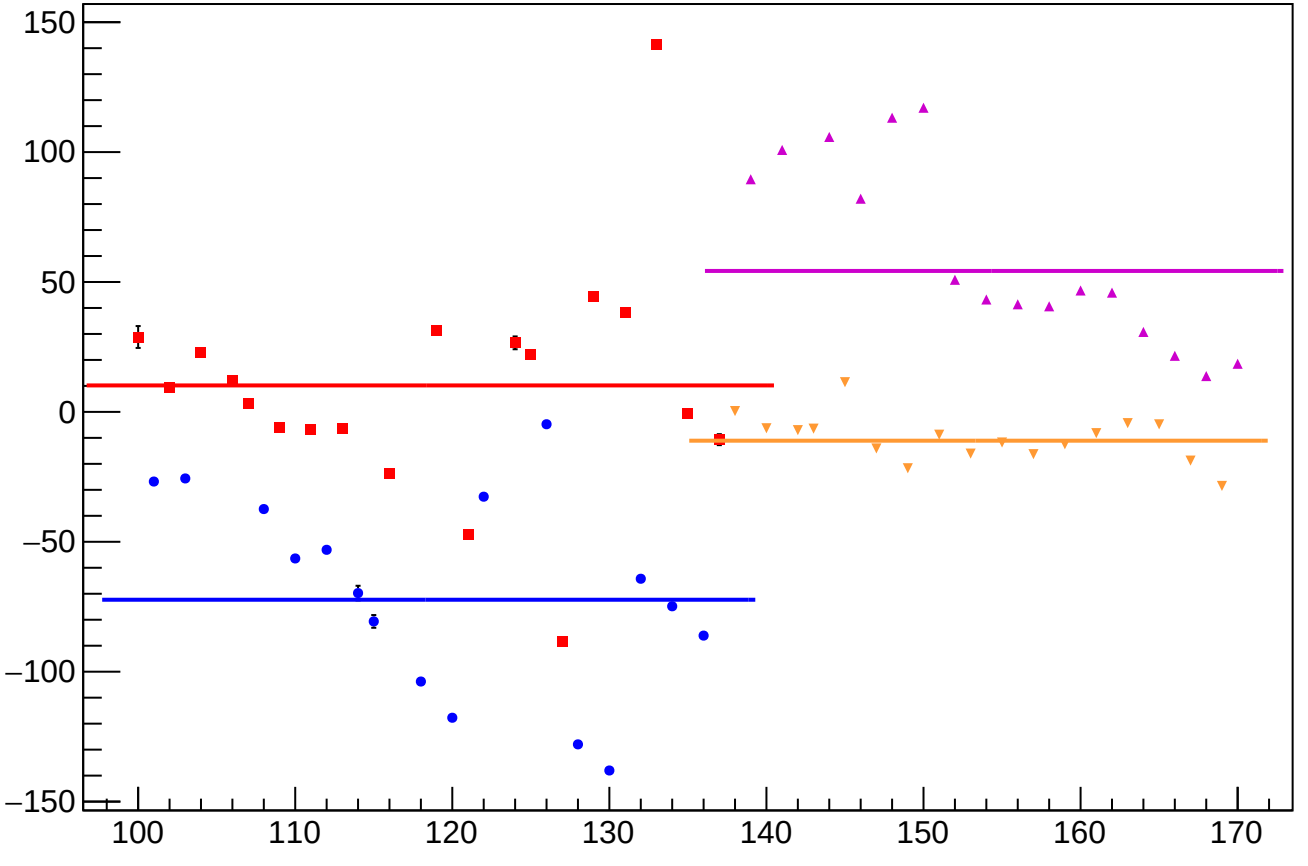
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1446.619+/-0.228 χ^2/NDF:517775.5/31

Out: 1403.927+/-0.219 χ^2/NDF:635888.7/35

All: 1424.395+/-0.158 χ^2/NDF: 1171889.4/67

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -11.084+/-0.228 χ^2/NDF:1487.1/16

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 54.253+/-0.231 χ^2/NDF:19914.4/15

Left: 21.168+/-0.163 χ^2/NDF: 61785.8/32

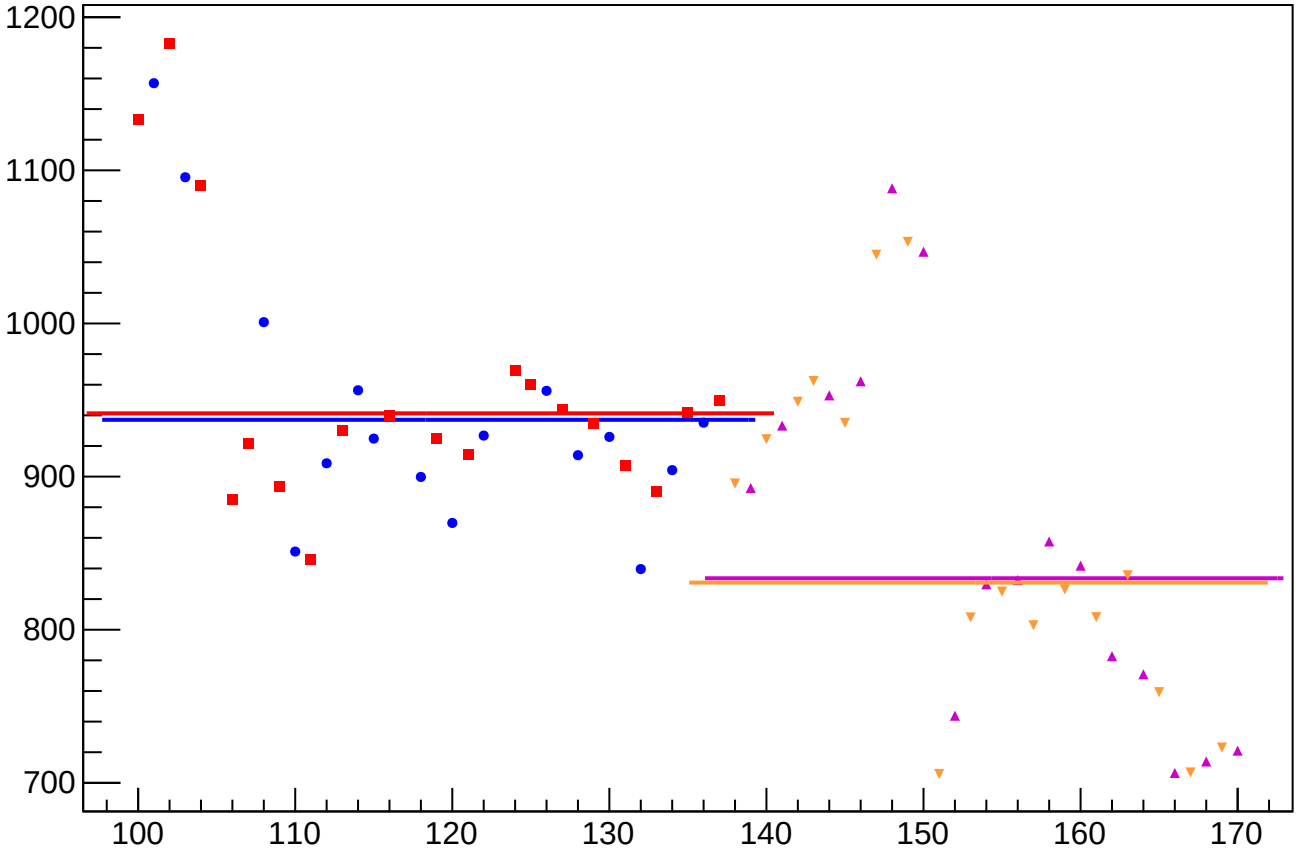
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.686+/-0.193 χ^2/NDF:123255.8/31

Out: -4.588+/-0.190 χ^2/NDF:23181.0/35

All: 5.415+/-0.136 χ^2/NDF: 152032.1/67

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 830.782+/-0.162 χ^2/NDF:388221.8/16

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 833.602+/-0.164 χ^2/NDF:421177.6/15

Left: 832.174+/-0.115 χ^2/NDF: 809549.8/32

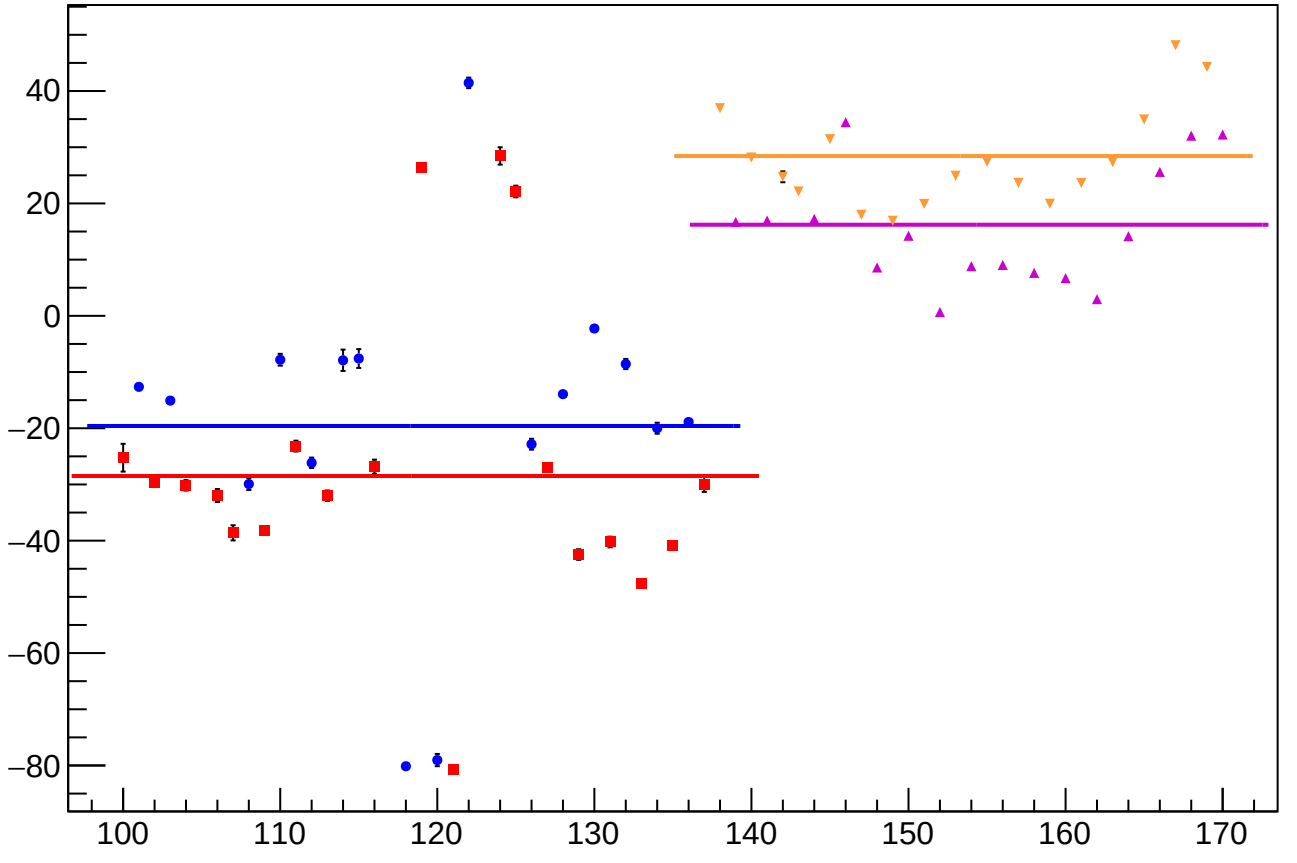
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 865.141+/-0.136 χ^2/NDF:647803.5/31

Out: 864.536+/-0.135 χ^2/NDF:632263.2/35

All: 864.835+/-0.096 χ^2/NDF: 1280076.7/67

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 28.431+/-0.179 χ^2/NDF:2683.8/16

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 16.209+/-0.182 χ^2/NDF:3468.2/15

Left: 22.426+/-0.127 χ^2/NDF: 8451.4/32

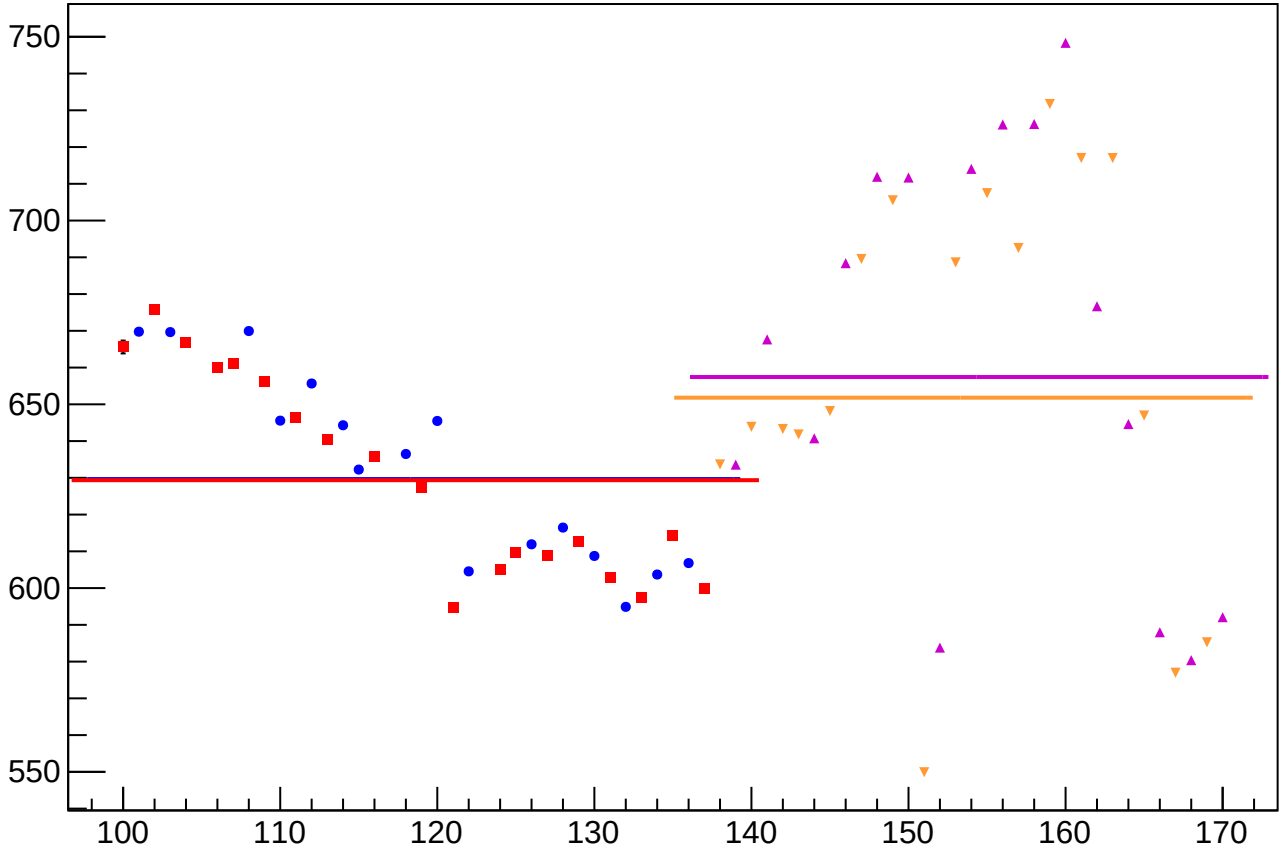
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 2.738+/-0.144 χ^2/NDF:31236.6/31

Out: 6.971+/-0.141 χ^2/NDF:53929.7/35

All: 4.892+/-0.101 χ^2/NDF: 85608.8/67

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 651.811+/-0.126 χ^2/NDF:191420.9/16

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 657.430+/-0.129 χ^2/NDF:188892.8/15

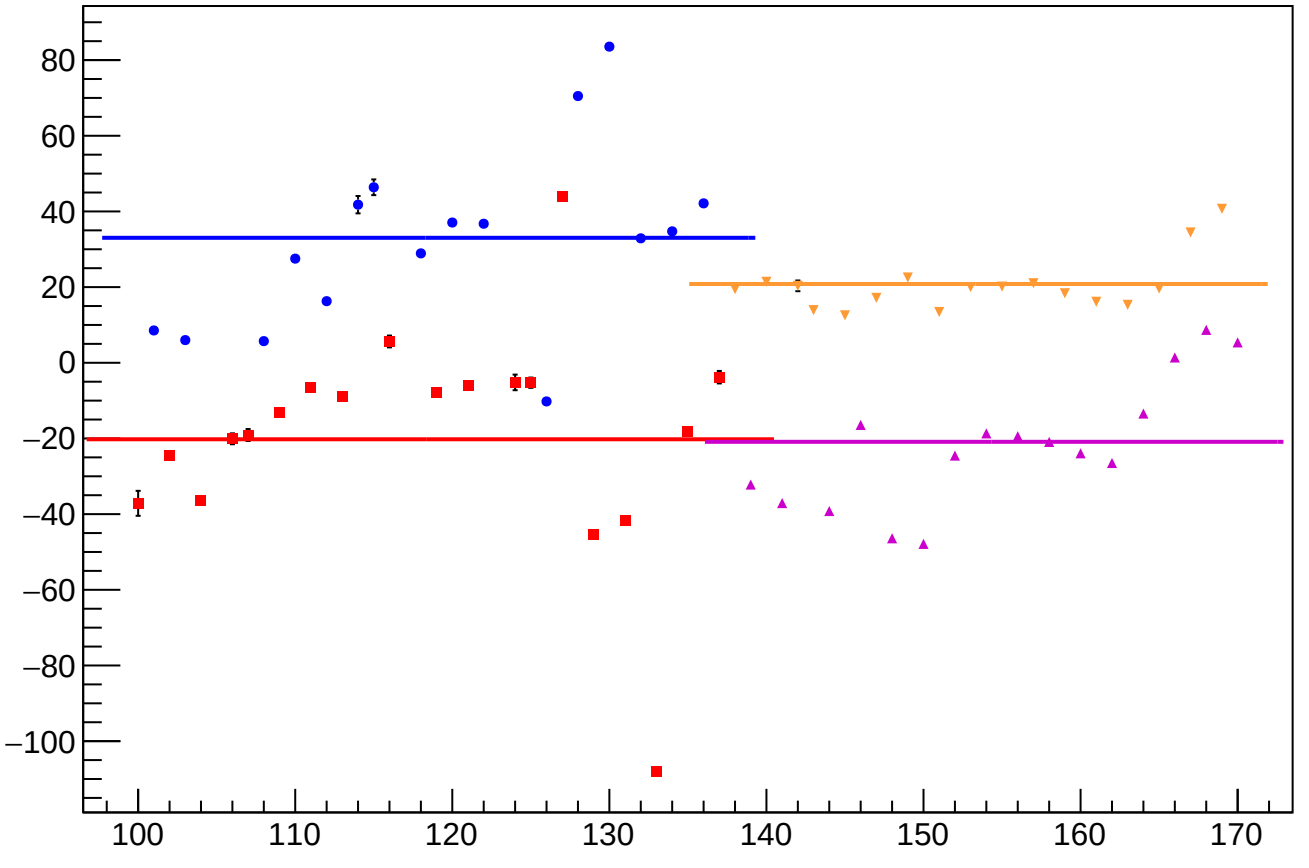
Left: 654.572+/-0.090 χ^2/NDF: 381286.1/32

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 646.982+/-0.102 χ^2/NDF:231770.6/31

Out: 643.348+/-0.100 χ^2/NDF:230116.7/35

All: 645.133+/-0.071 χ^2/NDF: 462539.8/67



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 20.823+/-0.254 χ^2/NDF:902.8/16

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -20.886+/-0.257 χ^2/NDF:4128.8/15

Left: 0.195+/-0.180 χ^2/NDF: 18387.3/32

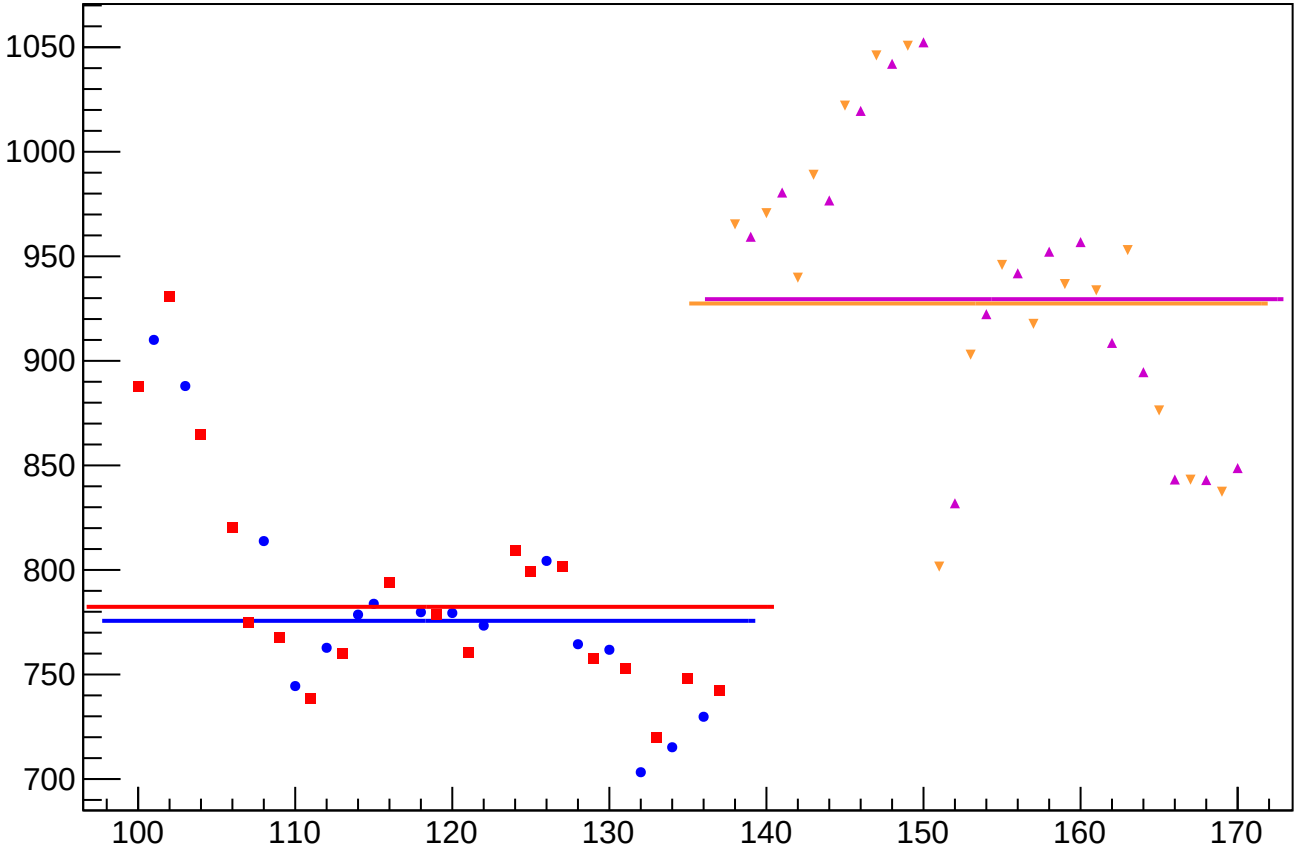
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 2.890+/-0.192 χ^2/NDF:30301.3/31

Out: 2.739+/-0.190 χ^2/NDF:24292.5/35

All: 2.814+/-0.135 χ^2/NDF: 54594.2/67

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 927.431+/-0.179 χ^2/NDF:154492.3/16

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 929.501+/-0.181 χ^2/NDF:142711.6/15

Left: 928.455+/-0.128 χ^2/NDF: 297269.7/32

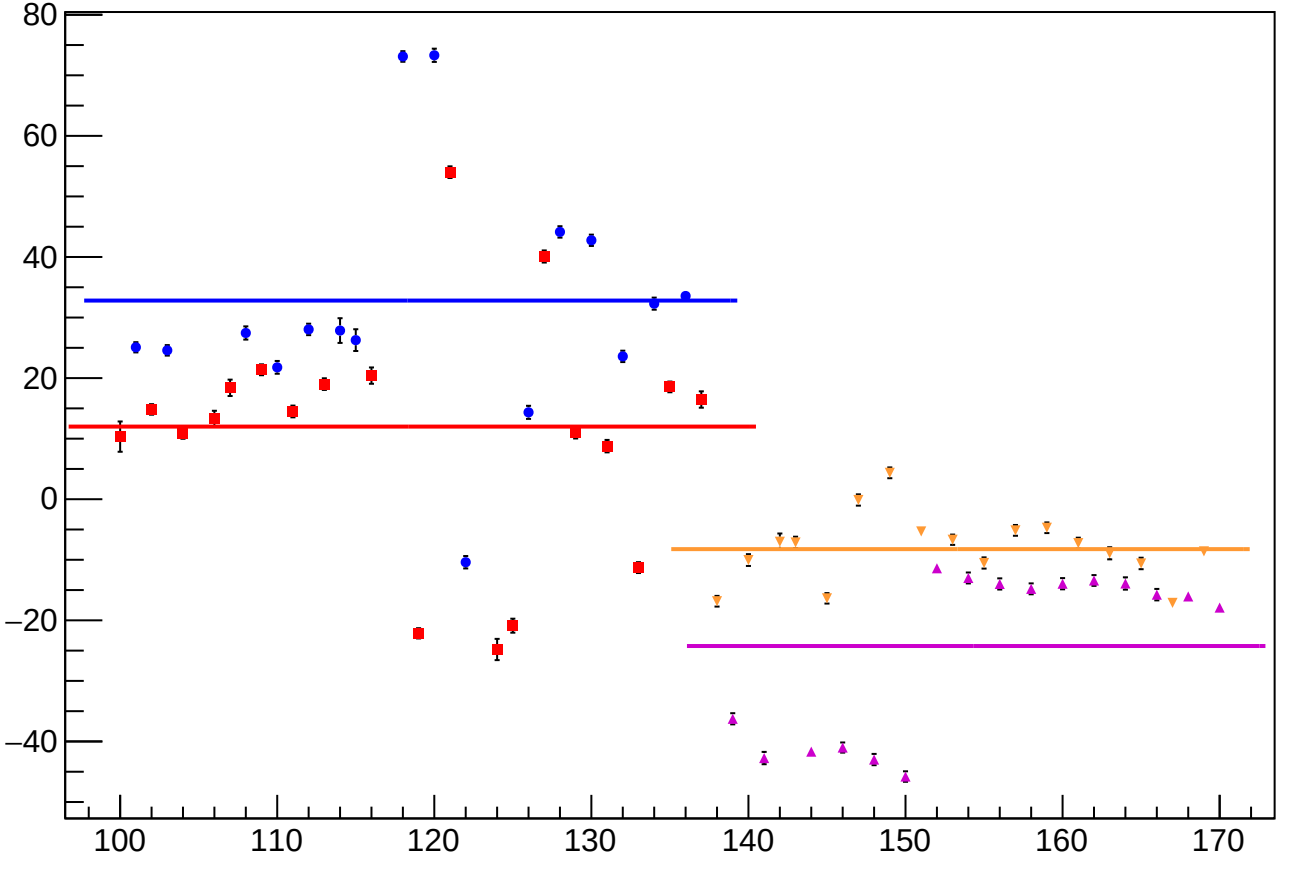
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.665+/-0.136 χ^2/NDF:534384.1/31

Out: 863.503+/-0.134 χ^2/NDF:506980.6/35

All: 862.594+/-0.095 χ^2/NDF: 1041457.5/67

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.242+/-0.215 χ^2/NDF:656.1/16

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.241+/-0.217 χ^2/NDF:3739.6/15

Left: -16.167+/-0.153 χ^2/NDF: 7126.7/32

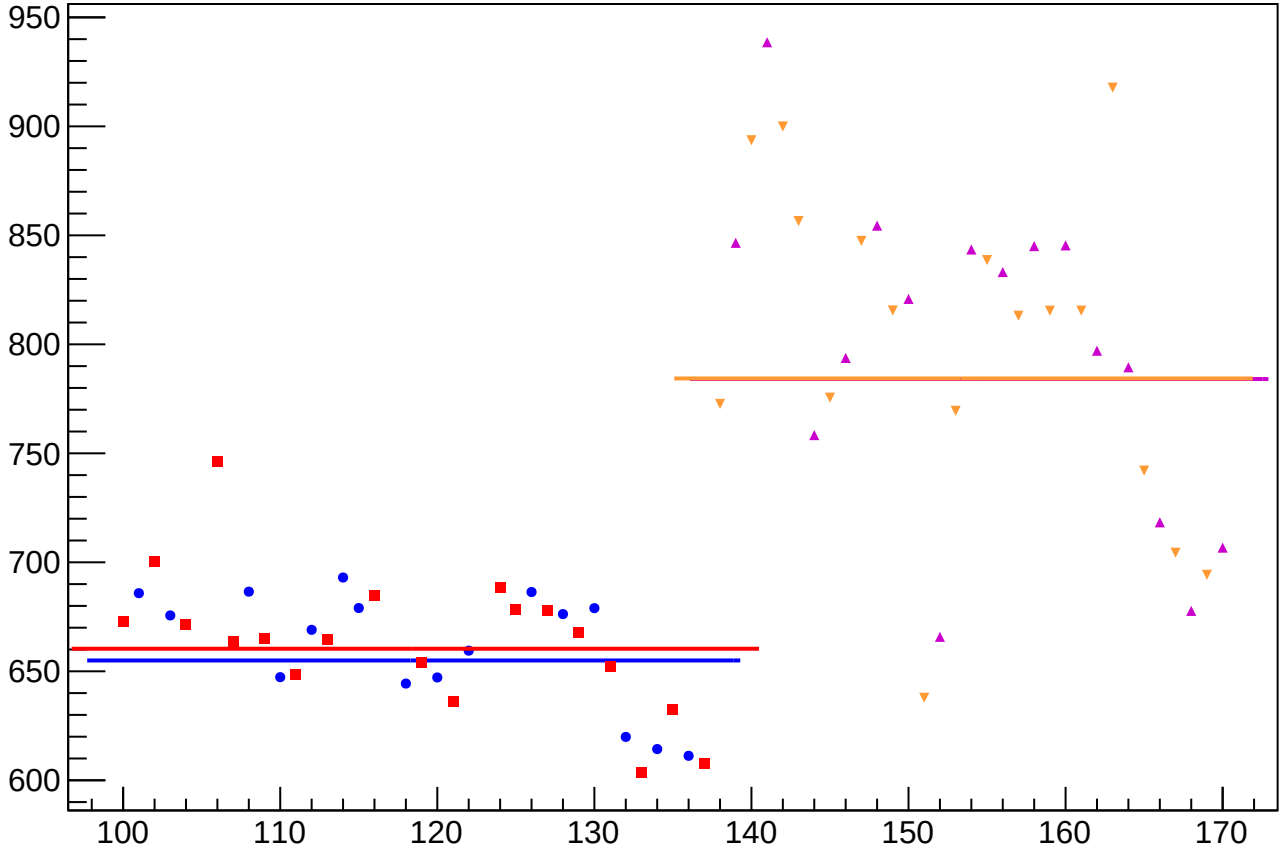
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 1.069+/-0.162 χ^2/NDF:40525.5/31

Out: 0.743+/-0.161 χ^2/NDF:11131.5/35

All: 0.905+/-0.114 χ^2/NDF: 51659.1/67

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 784.341+/-0.152 χ^2/NDF:254207.6/16

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 784.089+/-0.154 χ^2/NDF:230446.0/15

Left: 784.216+/-0.108 χ^2/NDF: 484654.9/32

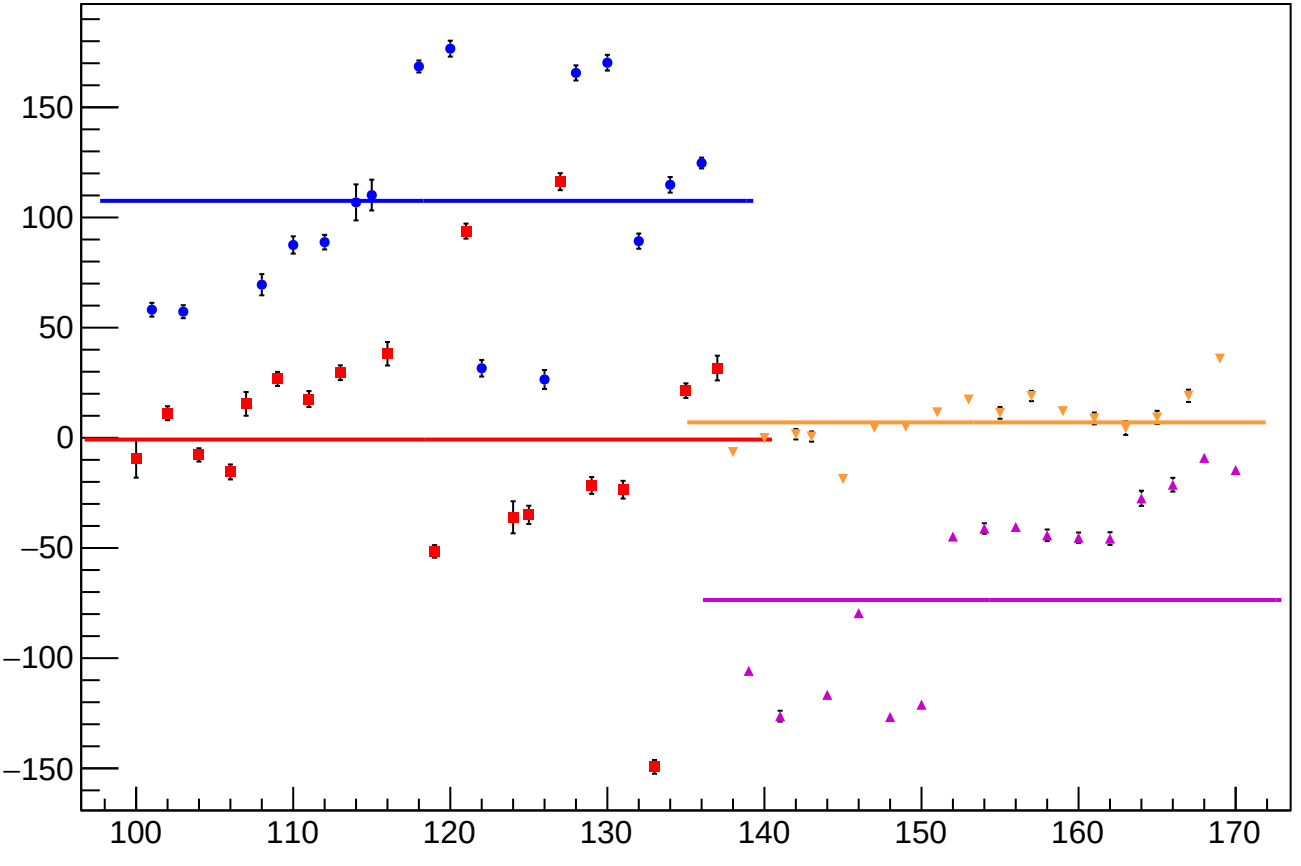
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 726.800+/-0.115 χ^2/NDF:569992.6/31

Out: 729.291+/-0.114 χ^2/NDF:578633.5/35

All: 728.057+/-0.081 χ^2/NDF: 1148864.0/67

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 7.014+/-0.541 χ^2/NDF:476.5/16

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -73.597+/-0.544 χ^2/NDF:5875.8/15

Left: -33.102+/-0.384 χ^2/NDF: 17395.8/32

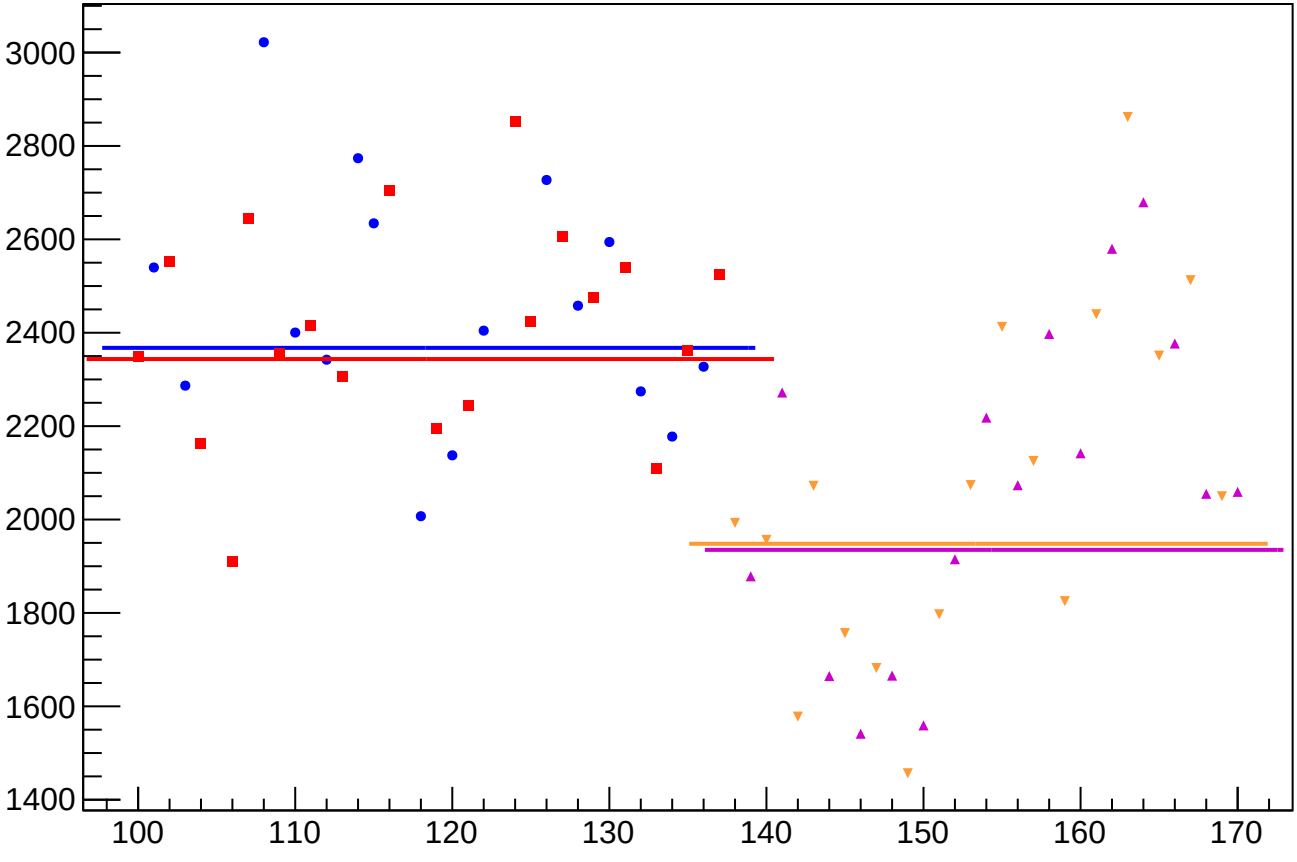
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.991+/-0.463 χ^2/NDF:39231.0/31

Out: 4.804+/-0.458 χ^2/NDF:5299.3/35

All: -9.432+/-0.326 χ^2/NDF: 46483.5/67

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1948.114+/-0.383 χ^2/NDF:761255.6/16

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1935.039+/-0.384 χ^2/NDF:706809.5/15

Left: 1941.607+/-0.271 χ^2/NDF: 1468646.2/32

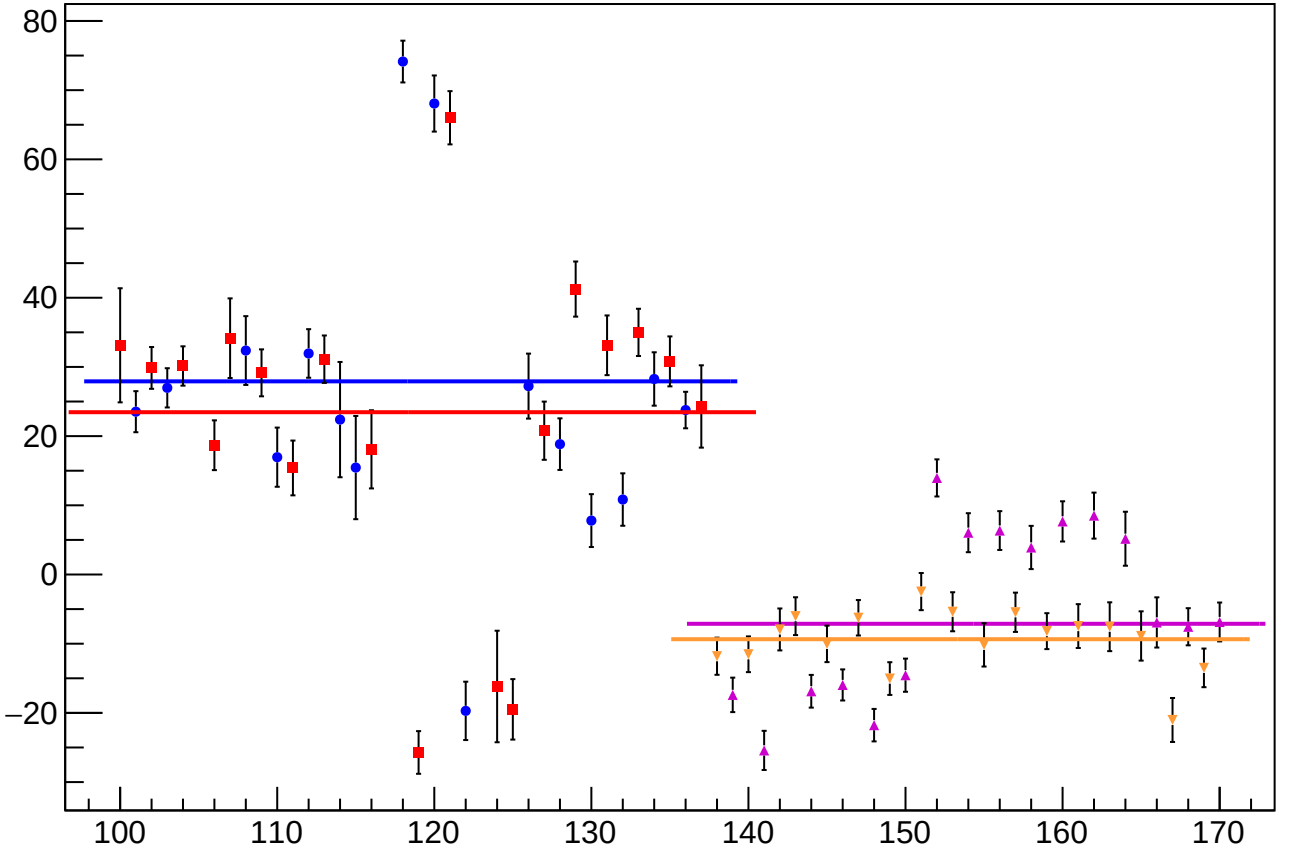
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2053.503+/-0.328 χ^2/NDF:1180311.9/31

Out: 2060.161+/-0.324 χ^2/NDF:1176269.6/35

All: 2056.869+/-0.230 χ^2/NDF: 2356790.3/67

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.351+/-0.685 χ^2/NDF:37.6/16

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.122+/-0.685 χ^2/NDF:317.1/15

Left: -8.237+/-0.484 χ^2/NDF: 360.0/32

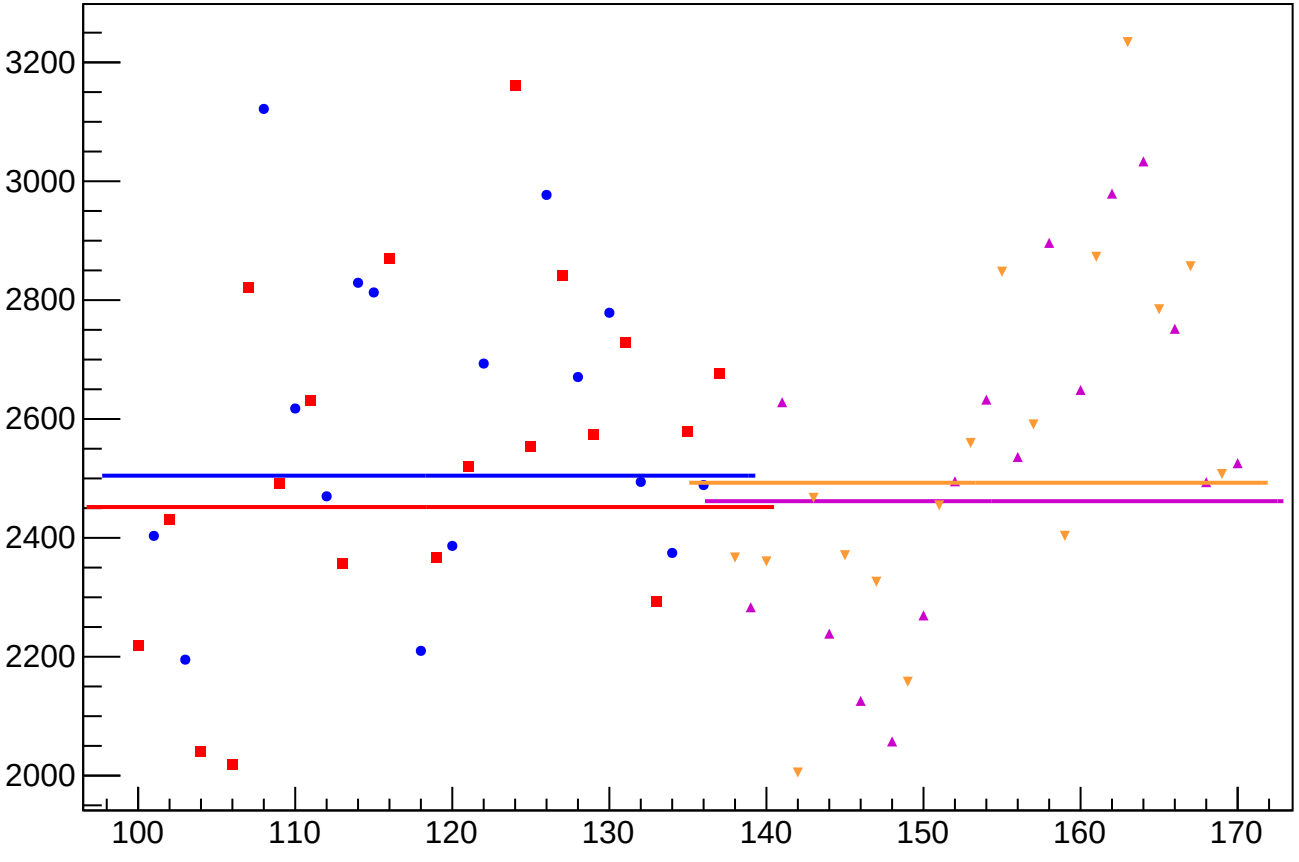
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 5.093+/-0.553 χ^2/NDF:1759.1/31

Out: 2.637+/-0.546 χ^2/NDF:1443.9/35

All: 3.848+/-0.388 χ^2/NDF: 3213.0/67

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2492.723+/-0.484 χ^2/NDF:303227.7/16

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2461.730+/-0.485 χ^2/NDF:313488.2/15

Left: 2477.235+/-0.343 χ^2/NDF: 618762.5/32

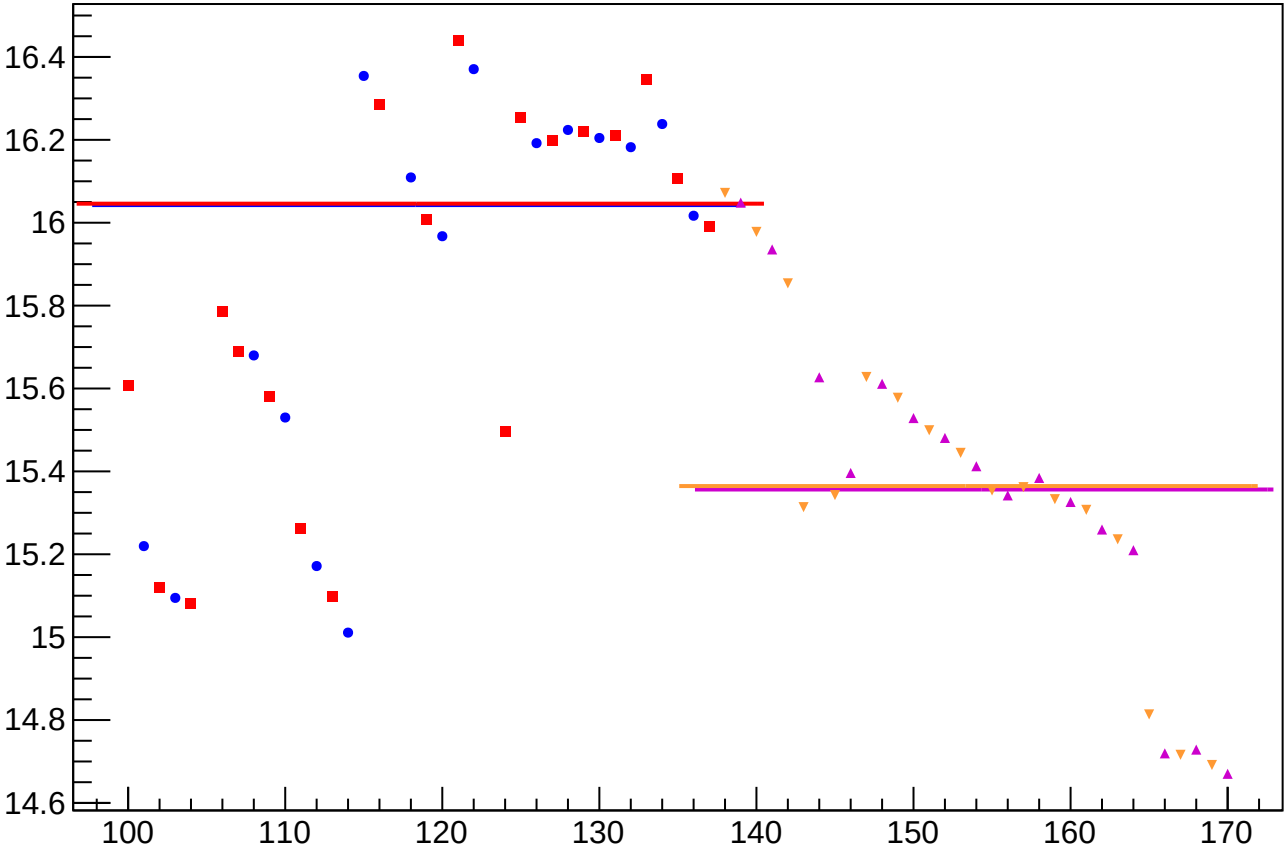
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2476.693+/-0.391 χ^2/NDF:442822.7/31

Out: 2477.799+/-0.386 χ^2/NDF:459063.6/35

All: 2477.254+/-0.275 χ^2/NDF: 901890.3/67

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.365+/-0.000 χ^2/NDF:16963754165.0/16

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.356+/-0.000 χ^2/NDF:16695321638.8/15

Left: 15.361+/-0.000 χ^2/NDF: 33662777257.4/32

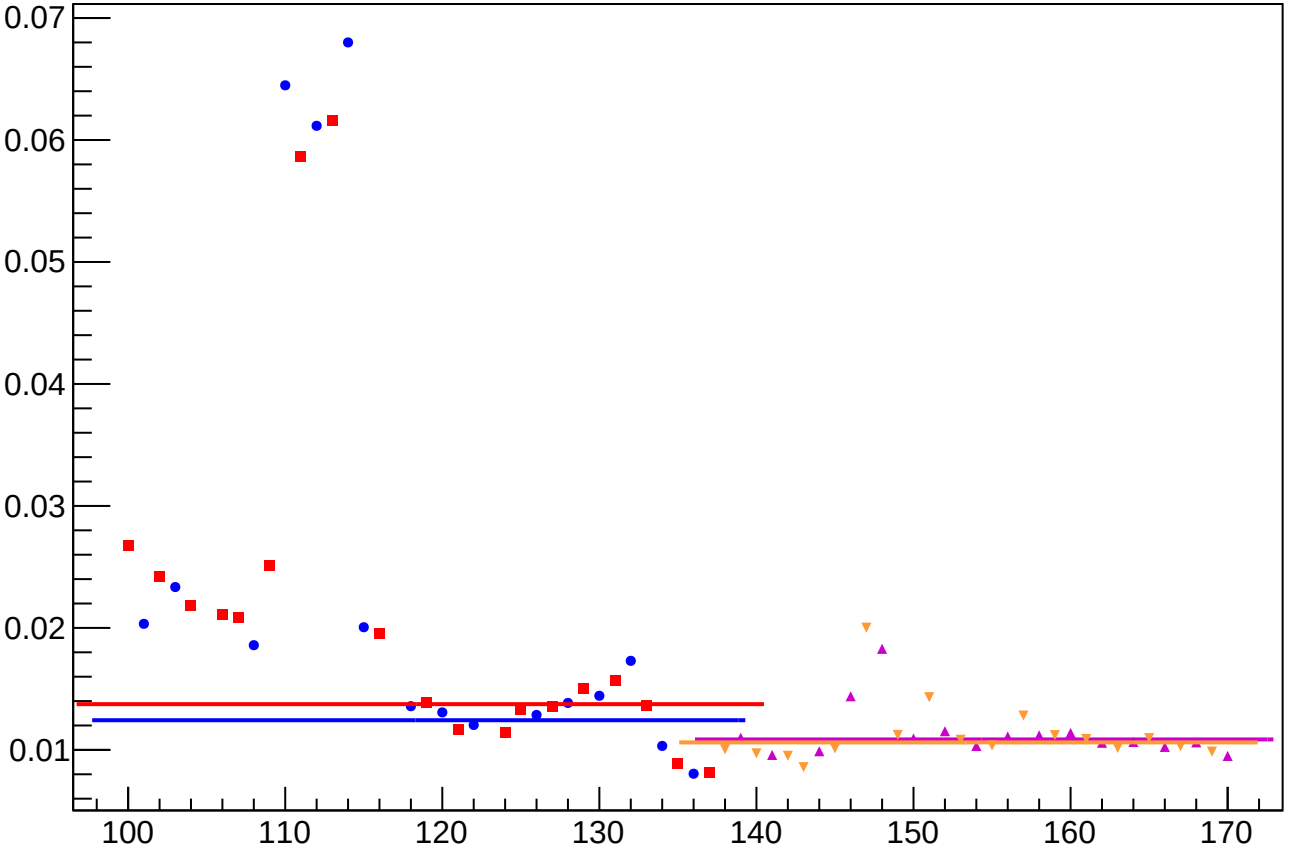
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.531+/-0.000 χ^2/NDF:32048285781.1/31

Out: 15.510+/-0.000 χ^2/NDF:31503442421.0/35

All: 15.520+/-0.000 χ^2/NDF: 63581743908.5

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:648454.4/16

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:458452.3/15

Left: 0.011+/-0.000 χ^2/NDF: 1113243.0/32

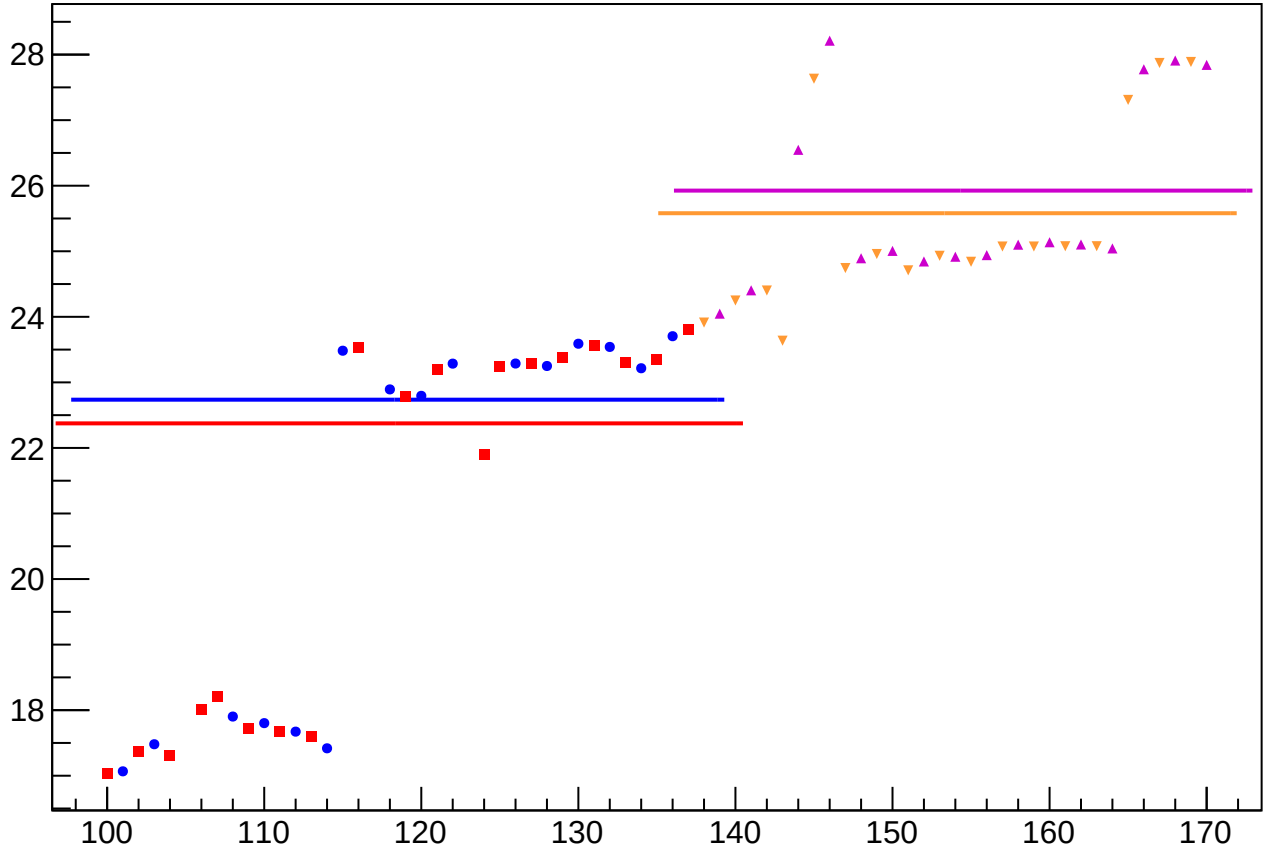
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2907090.4/31

Out: 0.011+/-0.000 χ^2/NDF:3344381.5/35

All: 0.011+/-0.000 χ^2/NDF: 6251569.6/67

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.580+/-0.000 χ^2/NDF:1956393690.3/16

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.925+/-0.000 χ^2/NDF:1636063956.8/15

Left: 25.748+/-0.000 χ^2/NDF: 3644812552.6/32

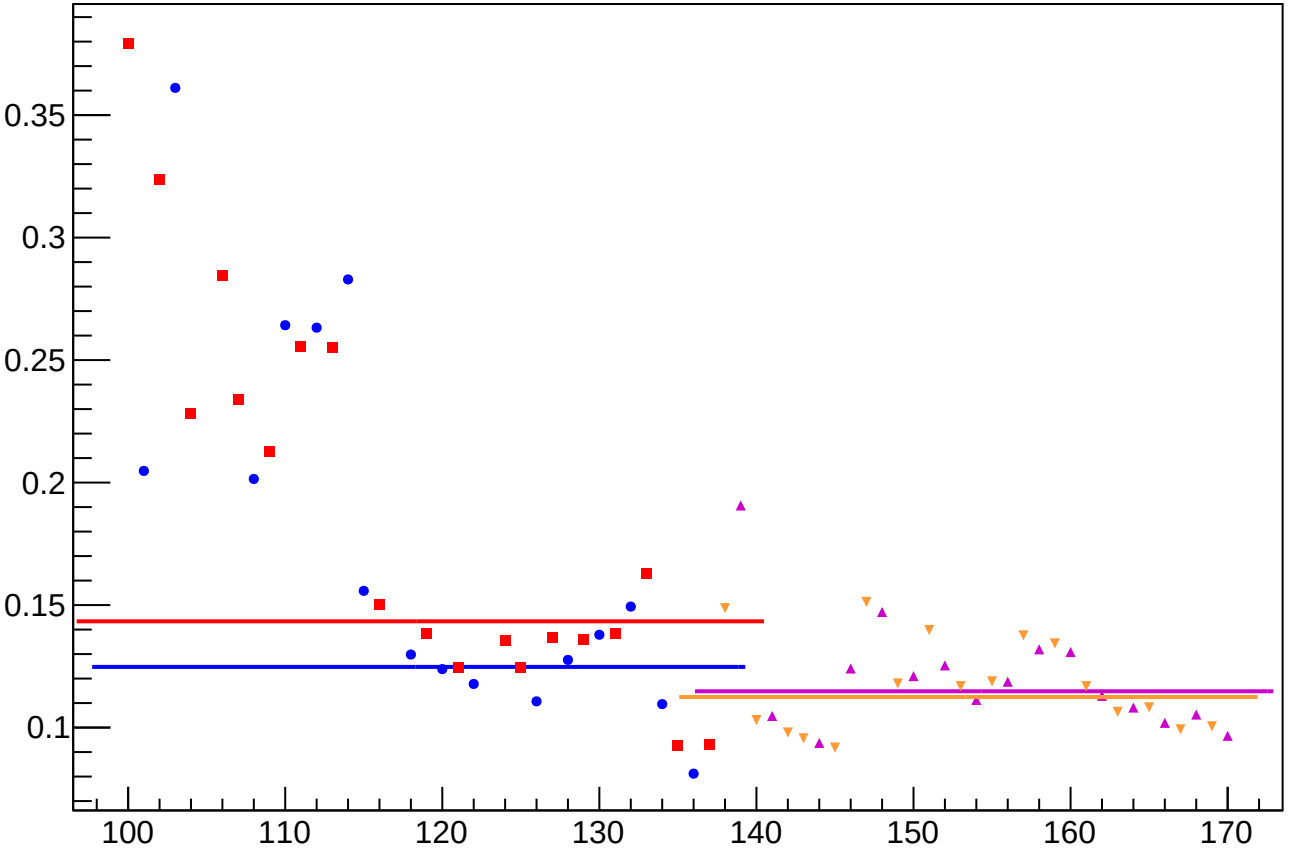
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.013+/-0.000 χ^2/NDF:5351321897.3/31

Out: 24.823+/-0.000 χ^2/NDF:5365697652.3/35

All: 24.918+/-0.000 χ^2/NDF: 10738501128.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:526738.6/16

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.115+/-0.000 χ^2/NDF:586000.4/15

Left: 0.114+/-0.000 χ^2/NDF: 1117588.7/32

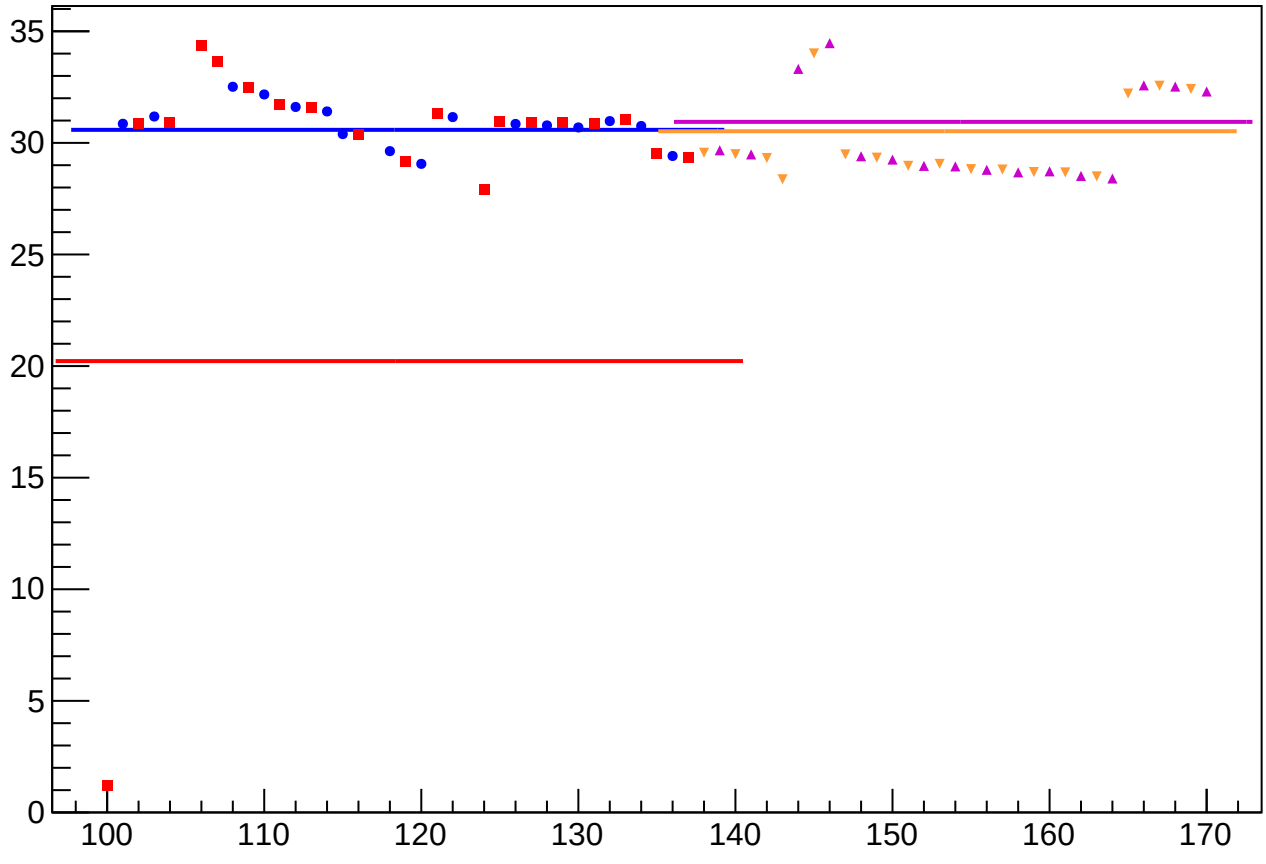
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.118+/-0.000 χ^2/NDF:2384345.3/31

Out: 0.120+/-0.000 χ^2/NDF:2504504.4/35

All: 0.119+/-0.000 χ^2/NDF: 4894141.7/67

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.522+/-0.000 χ^2/NDF:10027681458.8/16

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.942+/-0.000 χ^2/NDF:11707770043.4/15

Left: 30.734+/-0.000 χ^2/NDF: 21960291464.6/32

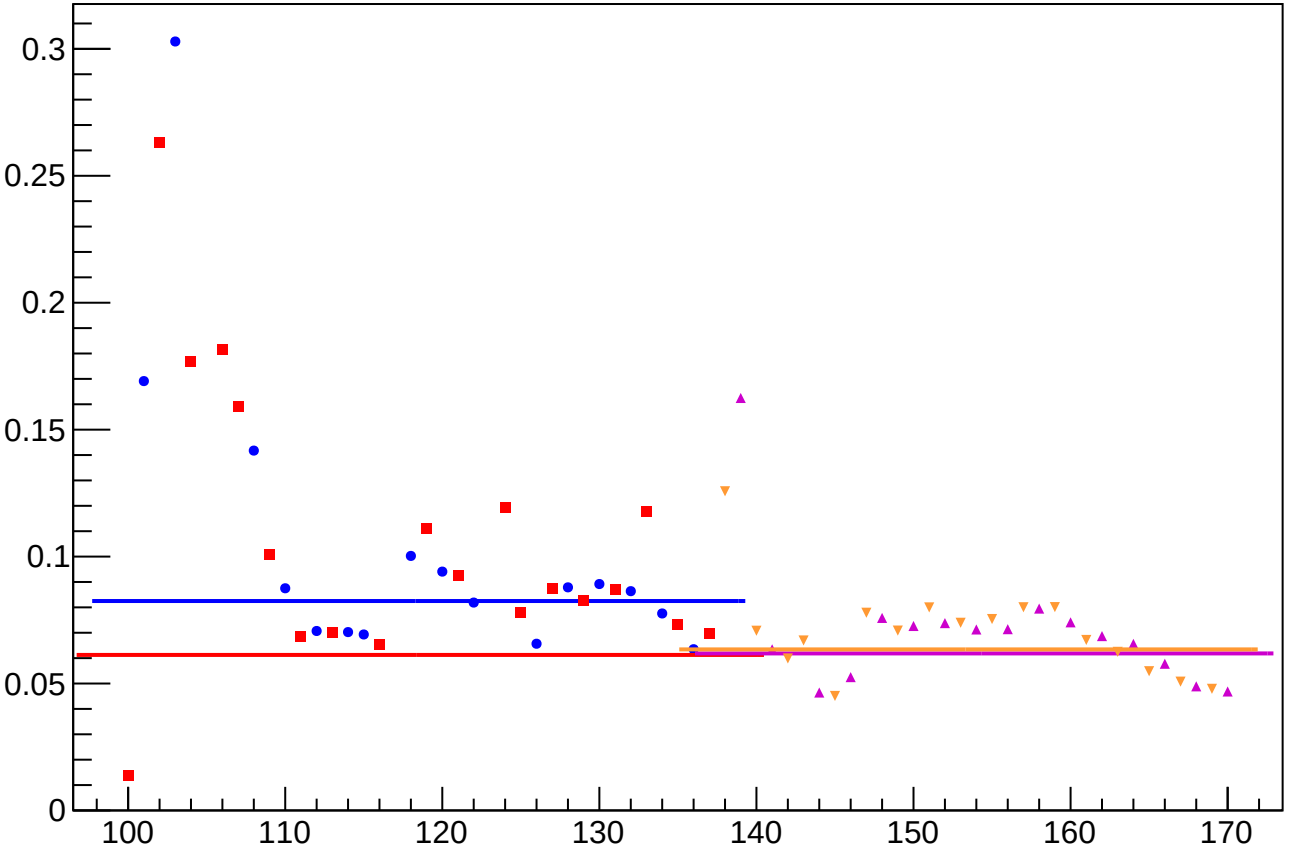
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.859+/-0.000 χ^2/NDF:12435957941.1/31

Out: 27.412+/-0.000 χ^2/NDF:311835340339.9/35

All: 29.076+/-0.000 χ^2/NDF: 344933964198.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.063+/-0.000 χ^2/NDF:1085288.2/16

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.062+/-0.000 χ^2/NDF:1342032.9/15

Left: 0.063+/-0.000 χ^2/NDF: 2433726.3/32

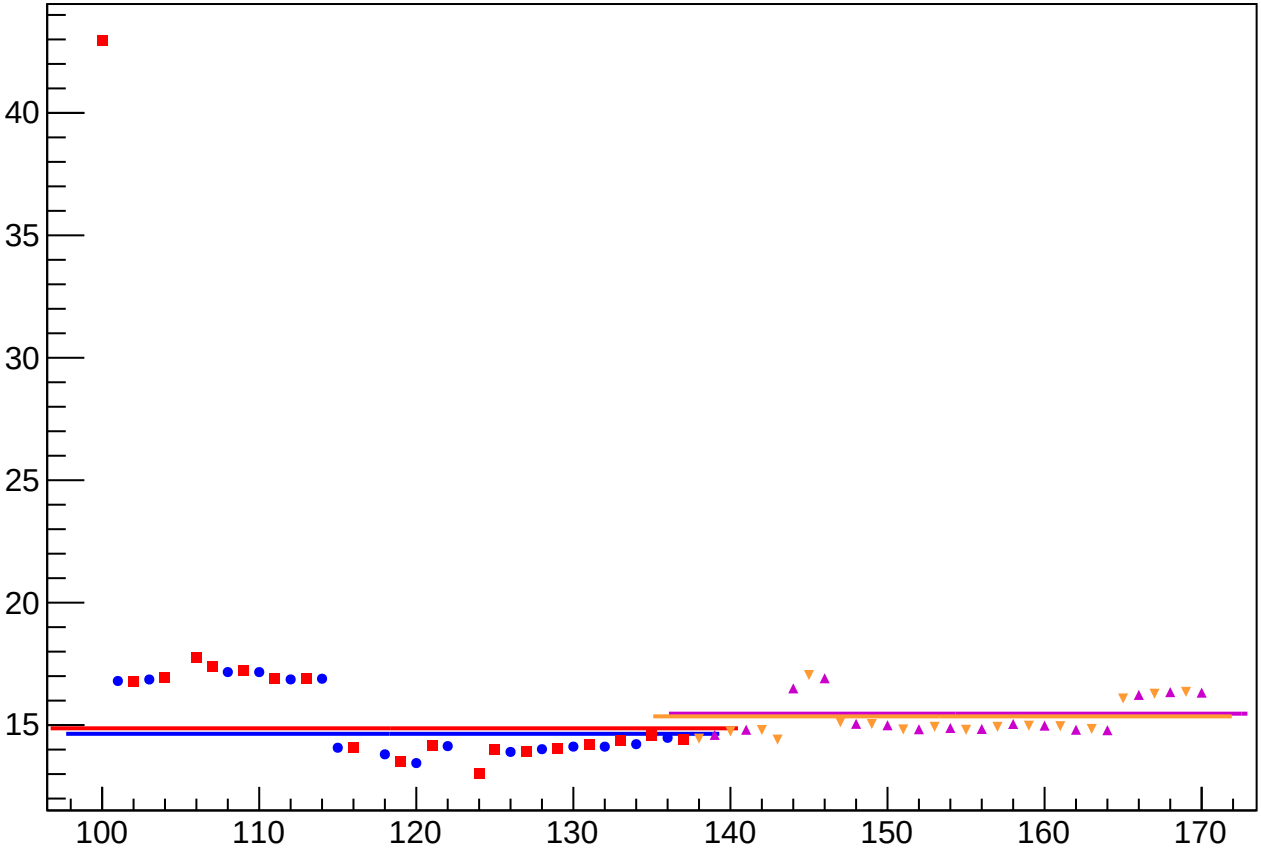
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.067+/-0.000 χ^2/NDF:3111211.5/31

Out: 0.063+/-0.000 χ^2/NDF:5106782.8/35

All: 0.065+/-0.000 χ^2/NDF: 8268912.1/67

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.356+/-0.000 χ^2/NDF:1627409163.6/16

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.467+/-0.000 χ^2/NDF:1476976981.3/15

Left: 15.411+/-0.000 χ^2/NDF: 3119939496.1/32

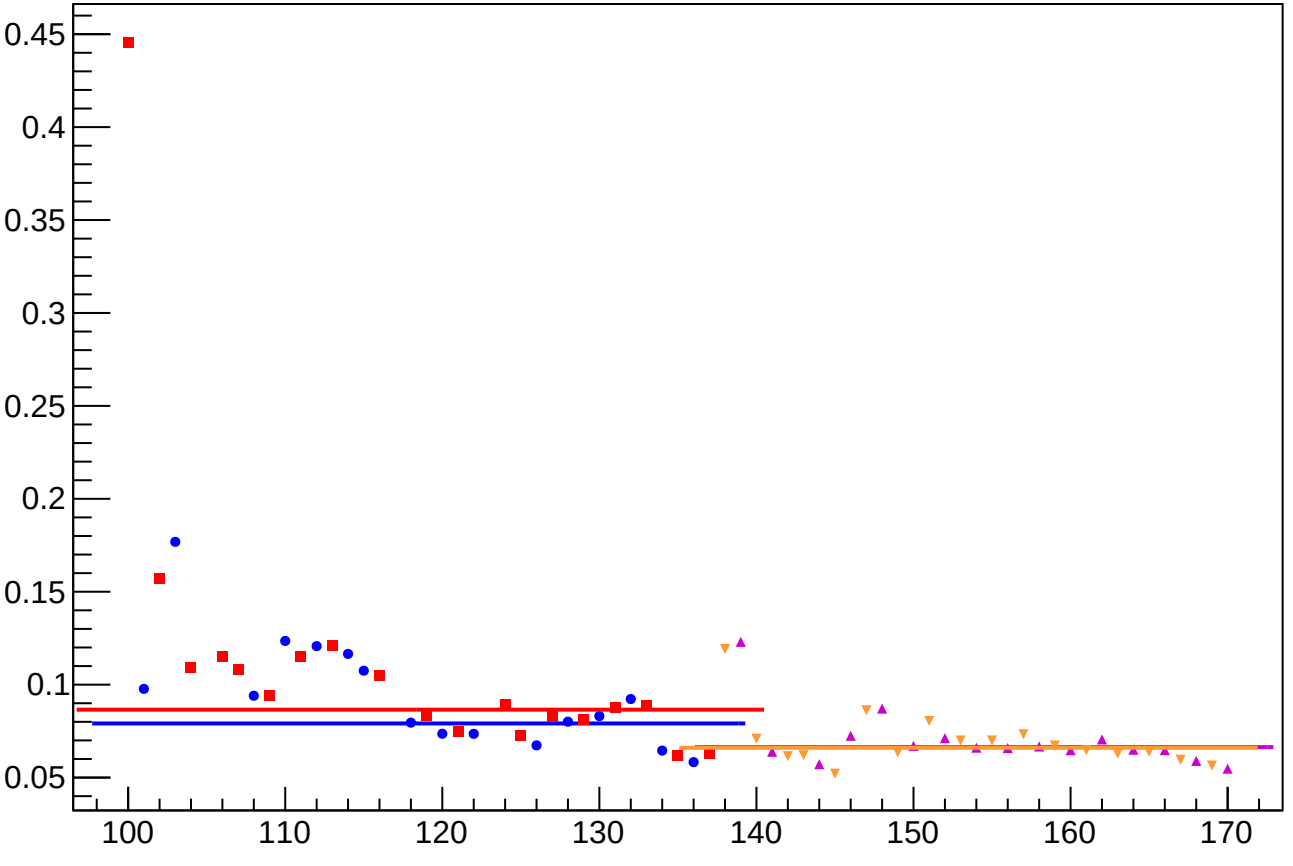
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.244+/-0.000 χ^2/NDF:3133559478.3/31

Out: 15.238+/-0.000 χ^2/NDF:3505782721.3/35

All: 15.241+/-0.000 χ^2/NDF: 6639389201.1/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:608555.7/16

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:583222.5/15

Left: 0.066+/-0.000 χ^2/NDF: 1192088.0/32

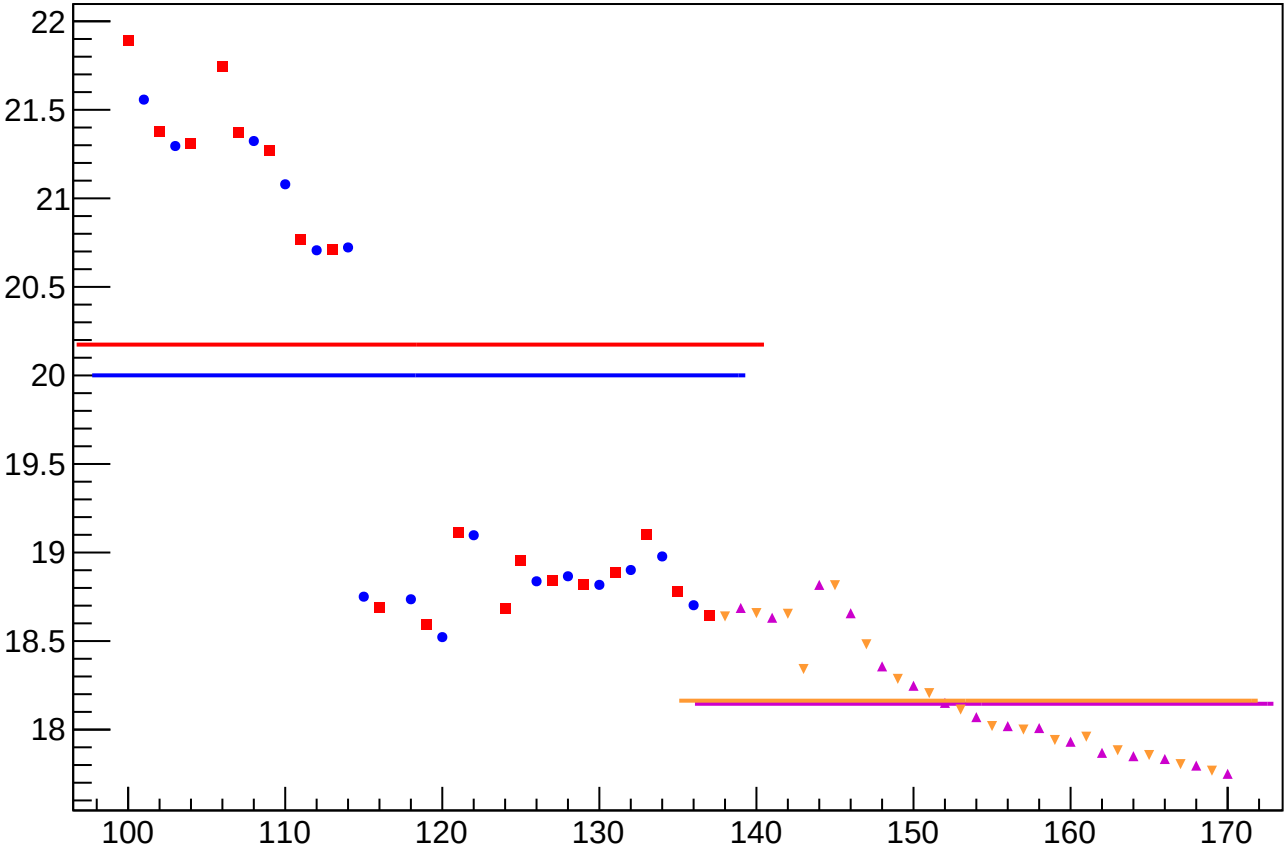
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.070+/-0.000 χ^2/NDF:1722533.9/31

Out: 0.071+/-0.000 χ^2/NDF:1924055.9/35

All: 0.070+/-0.000 χ^2/NDF: 3651125.0/67

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.163+/-0.000 χ^2/NDF:1382795457.0/16

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.146+/-0.000 χ^2/NDF:1477172020.0/15

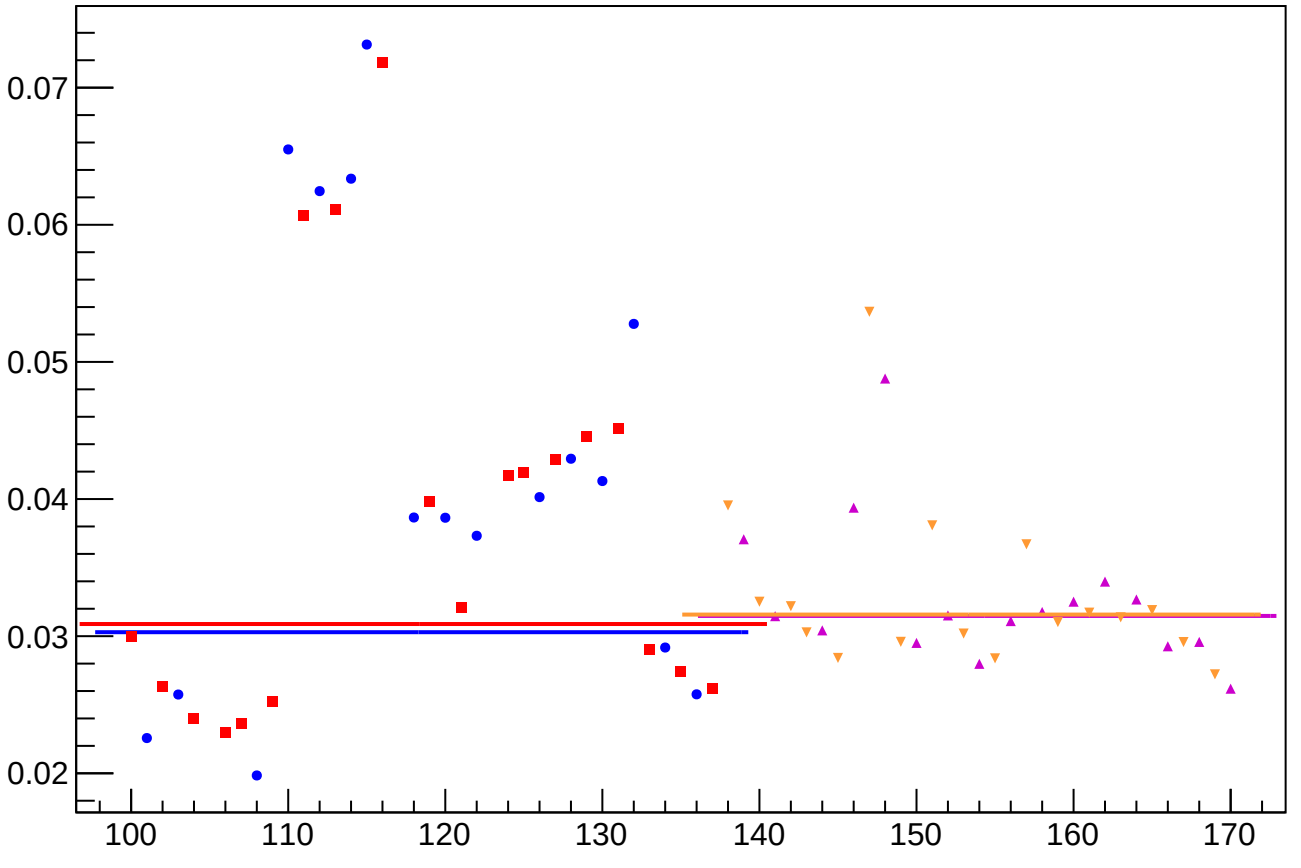
Left: 18.155+/-0.000 χ^2/NDF: 2861892970.2/32

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.778+/-0.000 χ^2/NDF:27086576317.1/31

Out: 18.846+/-0.000 χ^2/NDF:29220963986.1/35

All: 18.812+/-0.000 χ^2/NDF: 56351155845.5



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:510660.1/16

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:428759.0/15

Left: 0.032+/-0.000 χ^2/NDF: 939542.0/32

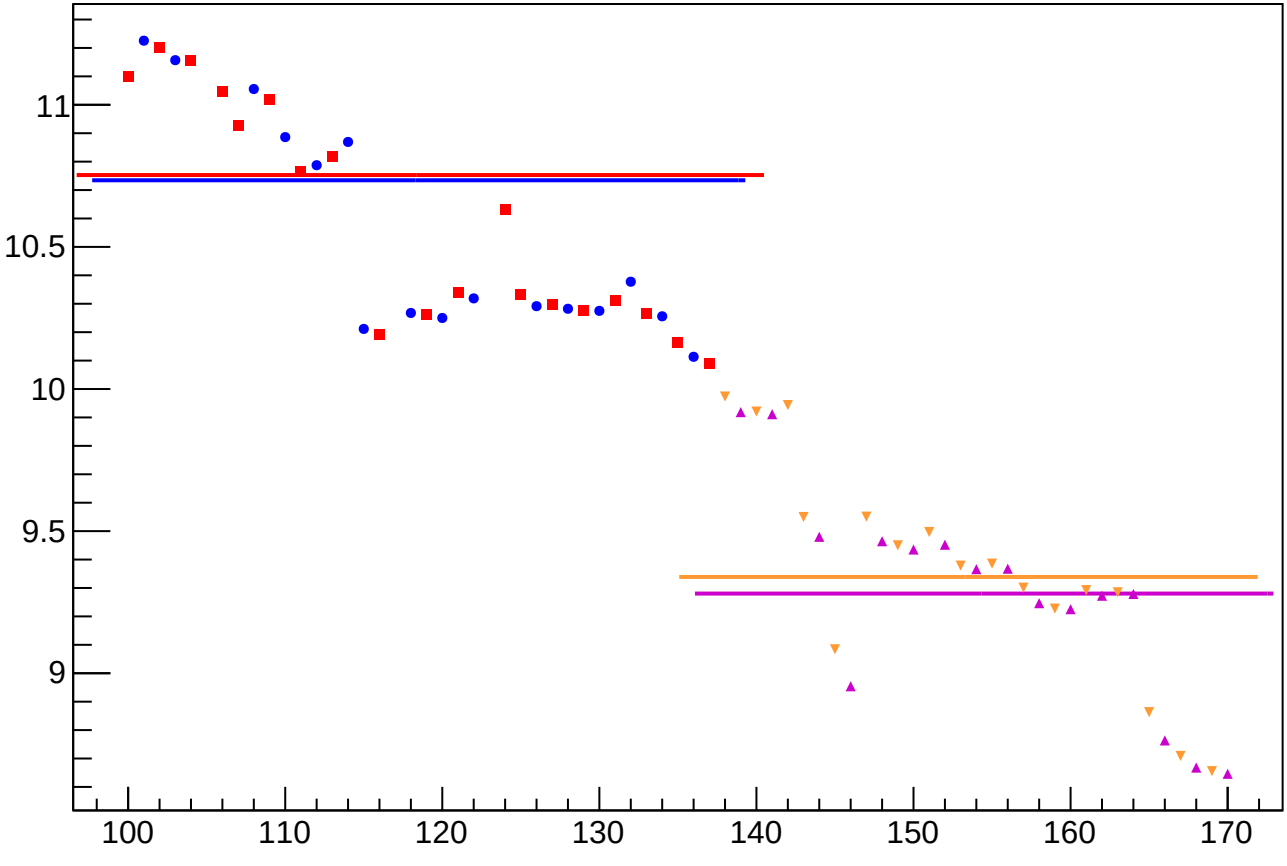
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1888186.3/31

Out: 0.031+/-0.000 χ^2/NDF:1719472.5/35

All: 0.031+/-0.000 χ^2/NDF: 3609048.5/67

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.339+/-0.000 χ^2/NDF:4436798468.3/16

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.280+/-0.000 χ^2/NDF:3922660557.4/15

Left: 9.310+/-0.000 χ^2/NDF: 8412006394.5/32

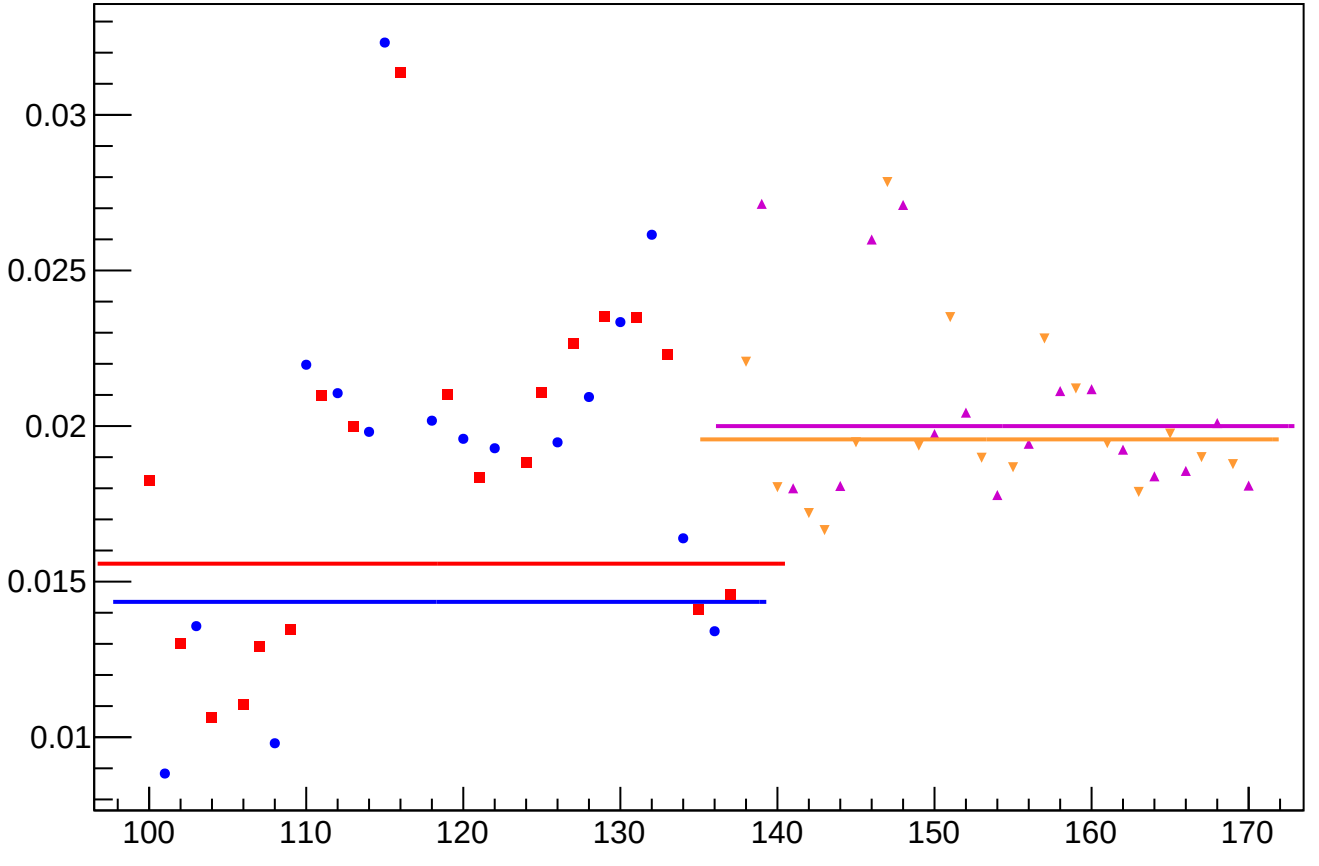
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.979+/-0.000 χ^2/NDF:40140717449.0/31

Out: 9.969+/-0.000 χ^2/NDF:37066776657.7/35

All: 9.974+/-0.000 χ^2/NDF: 77210453488.9/6

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:335095.6/16

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:418333.6/15

Left: 0.020+/-0.000 χ^2/NDF: 759033.4/32

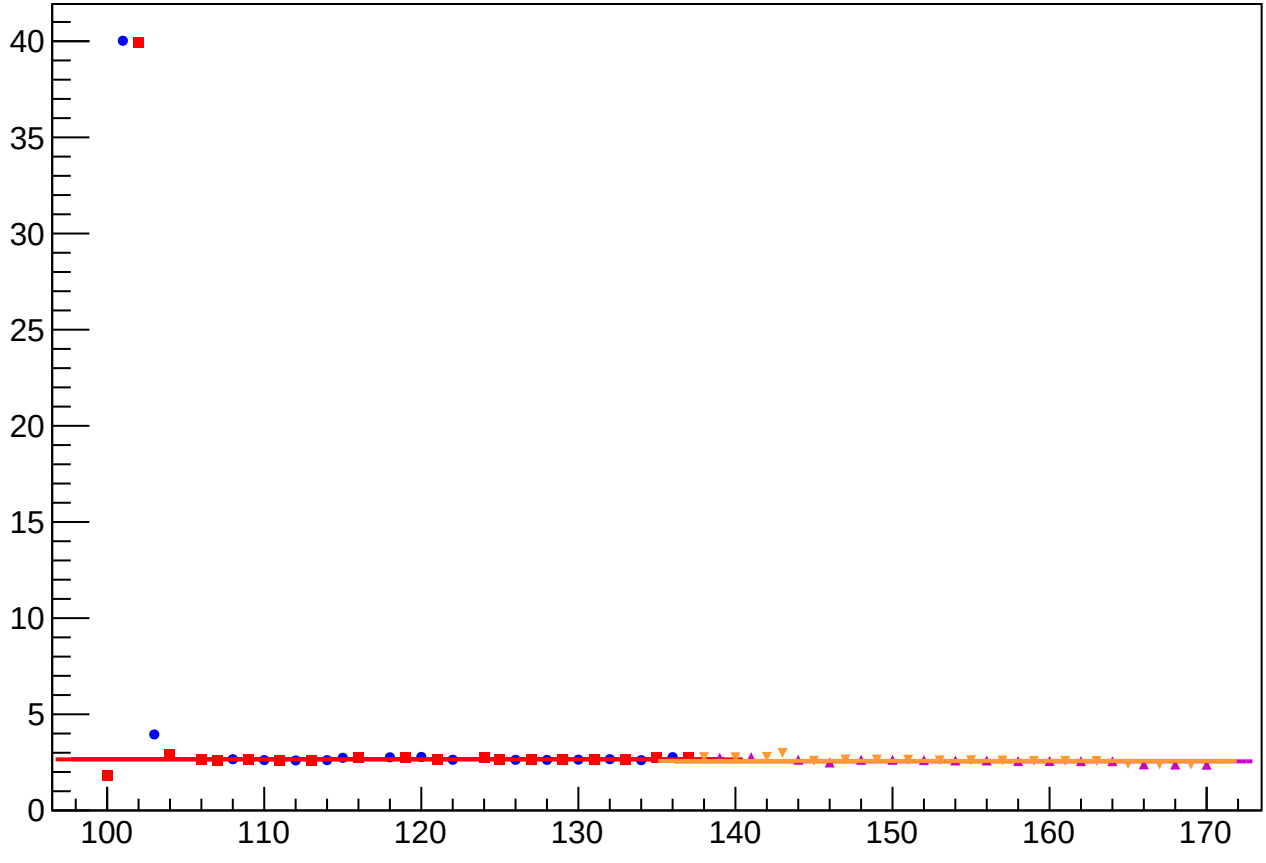
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2815851.1/31

Out: 0.018+/-0.000 χ^2/NDF:1858572.4/35

All: 0.018+/-0.000 χ^2/NDF: 4689189.3/67

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.577+/-0.000 χ^2/NDF:48454355129.4/16

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.553+/-0.000 χ^2/NDF:32017993887.3/15

Left: 2.565+/-0.000 χ^2/NDF: 81131424703.1/32

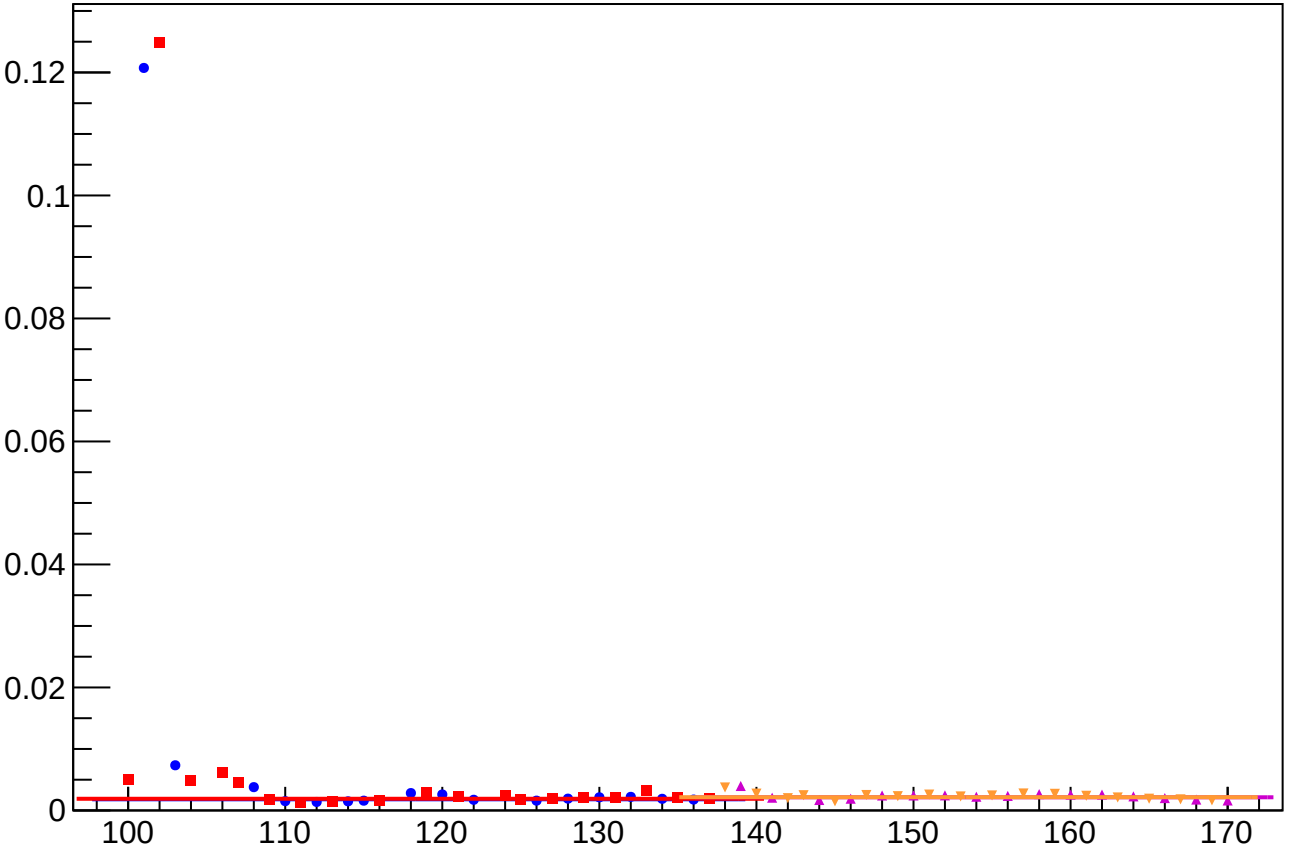
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.595+/-0.000 χ^2/NDF:110794248232.1/31

Out: 2.607+/-0.000 χ^2/NDF:119071461507.2/35

All: 2.601+/-0.000 χ^2/NDF: 230105710073.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1040815.5/16

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:890673.9/15

Left: 0.002+/-0.000 χ^2/NDF: 1931956.3/32

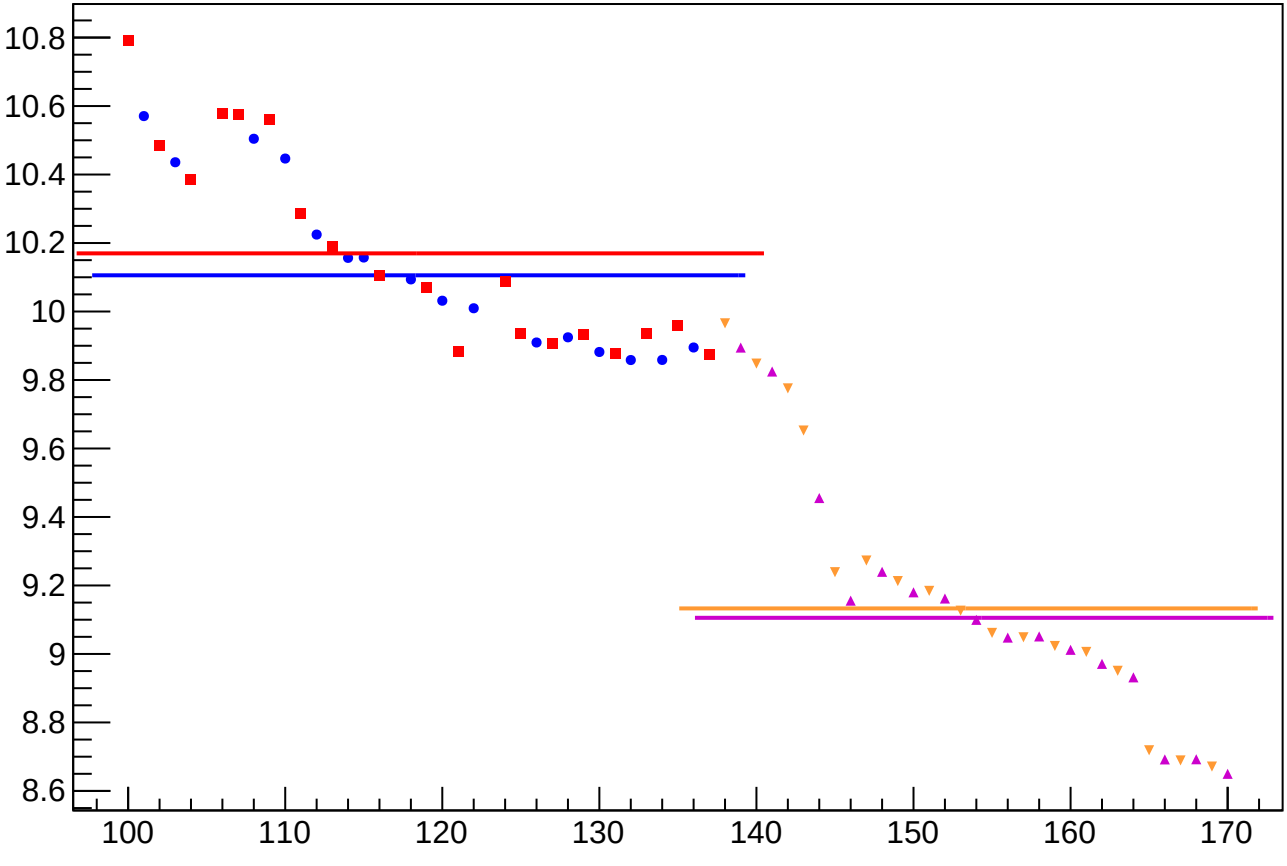
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2904143.6/31

Out: 0.002+/-0.000 χ^2/NDF:3681766.9/35

All: 0.002+/-0.000 χ^2/NDF: 6592868.1/67

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.133+/-0.000 χ^2/NDF:32130723214.6/16

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.106+/-0.000 χ^2/NDF:28103068110.1/15

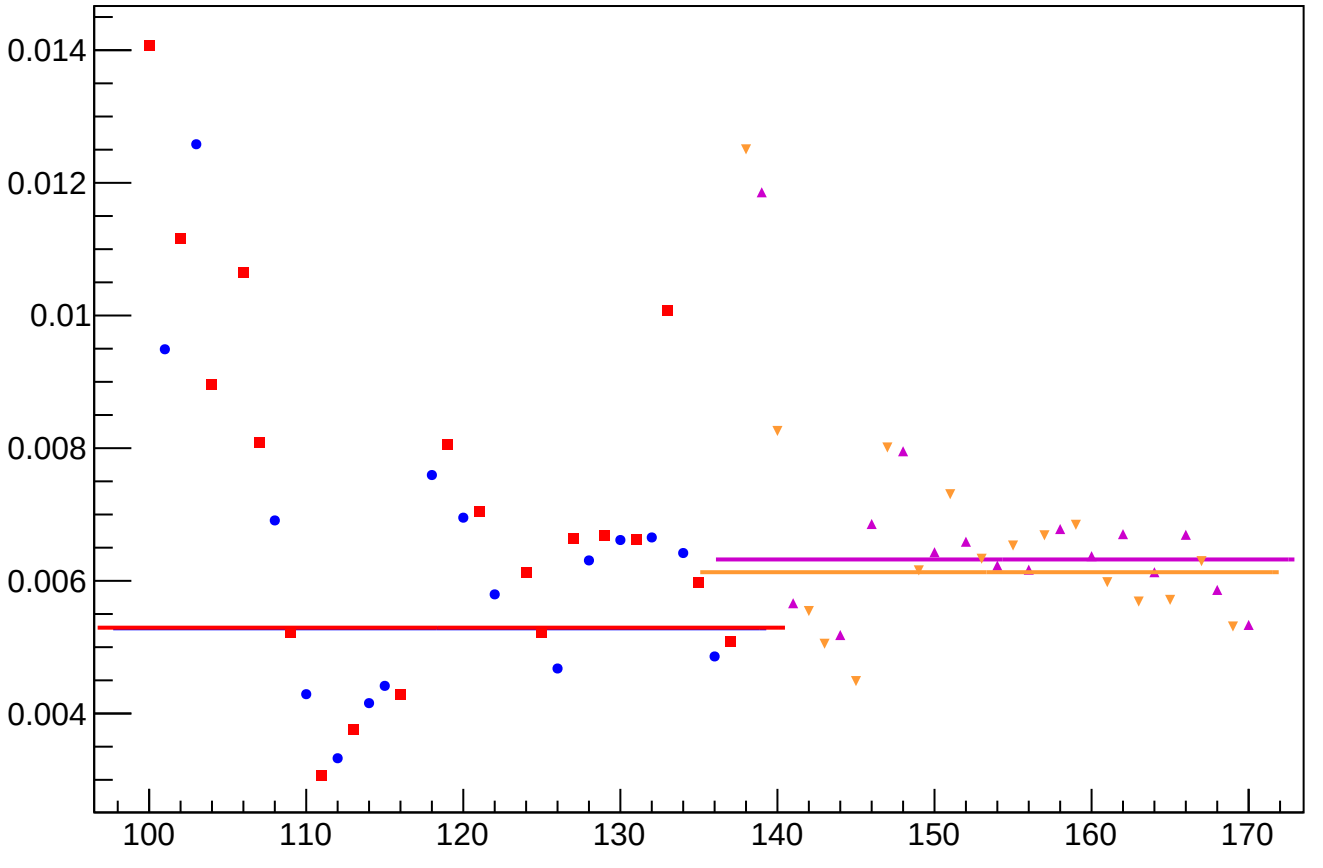
Left: 9.120+/-0.000 χ^2/NDF: 60337164509.1/32

Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.527+/-0.000 χ^2/NDF:149169234256.3/31

Out: 9.557+/-0.000 χ^2/NDF:166349399152.9/35

All: 9.542+/-0.000 χ^2/NDF: 315727505119.8



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:862575.3/16

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:567864.1/15

Left: 0.006+/-0.000 χ^2/NDF: 1440562.8/32

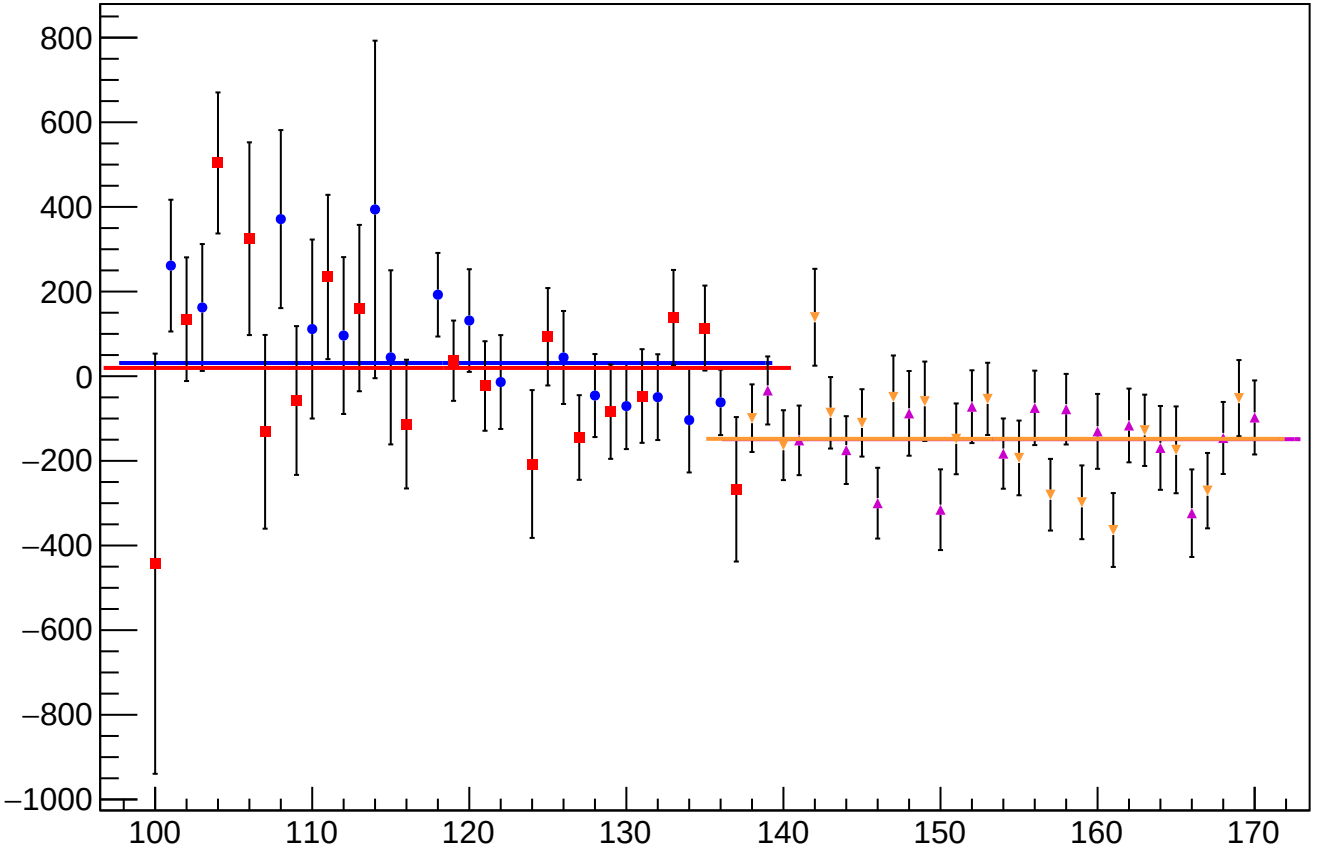
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2083006.0/31

Out: 0.006+/-0.000 χ^2/NDF:2817574.8/35

All: 0.006+/-0.000 χ^2/NDF: 4904958.2/67

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -147.991+/-21.356 χ^2/NDF:25.5/16

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -148.785+/-21.885 χ^2/NDF:14.7/15

Left: -148.378+/-15.285 χ^2/NDF: 40.2/32

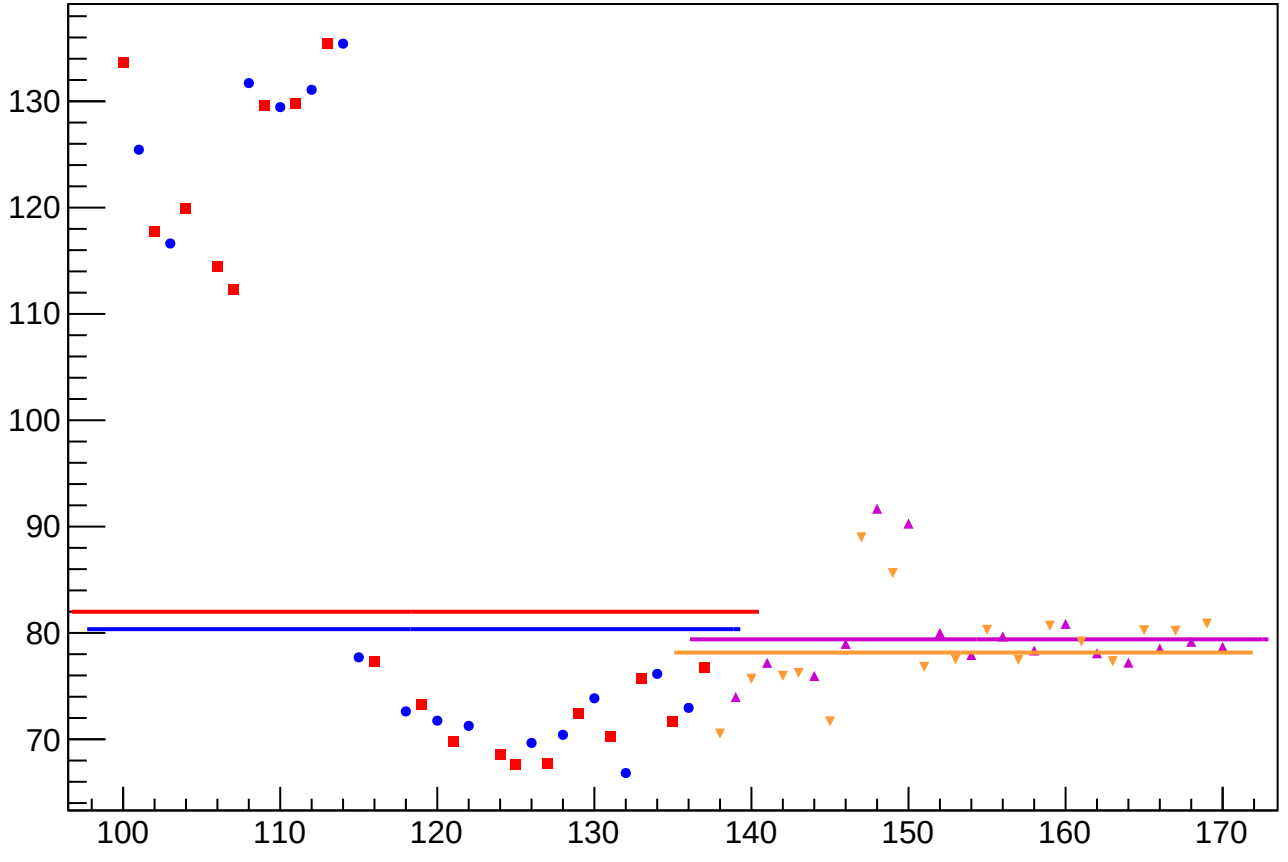
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -88.350+/-17.837 χ^2/NDF:52.5/31

Out: -94.198+/-17.598 χ^2/NDF:71.2/35

All: -91.314+/-12.527 χ^2/NDF: 123.7/67

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.156+/-0.015 χ^2/NDF:79963.2/16

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

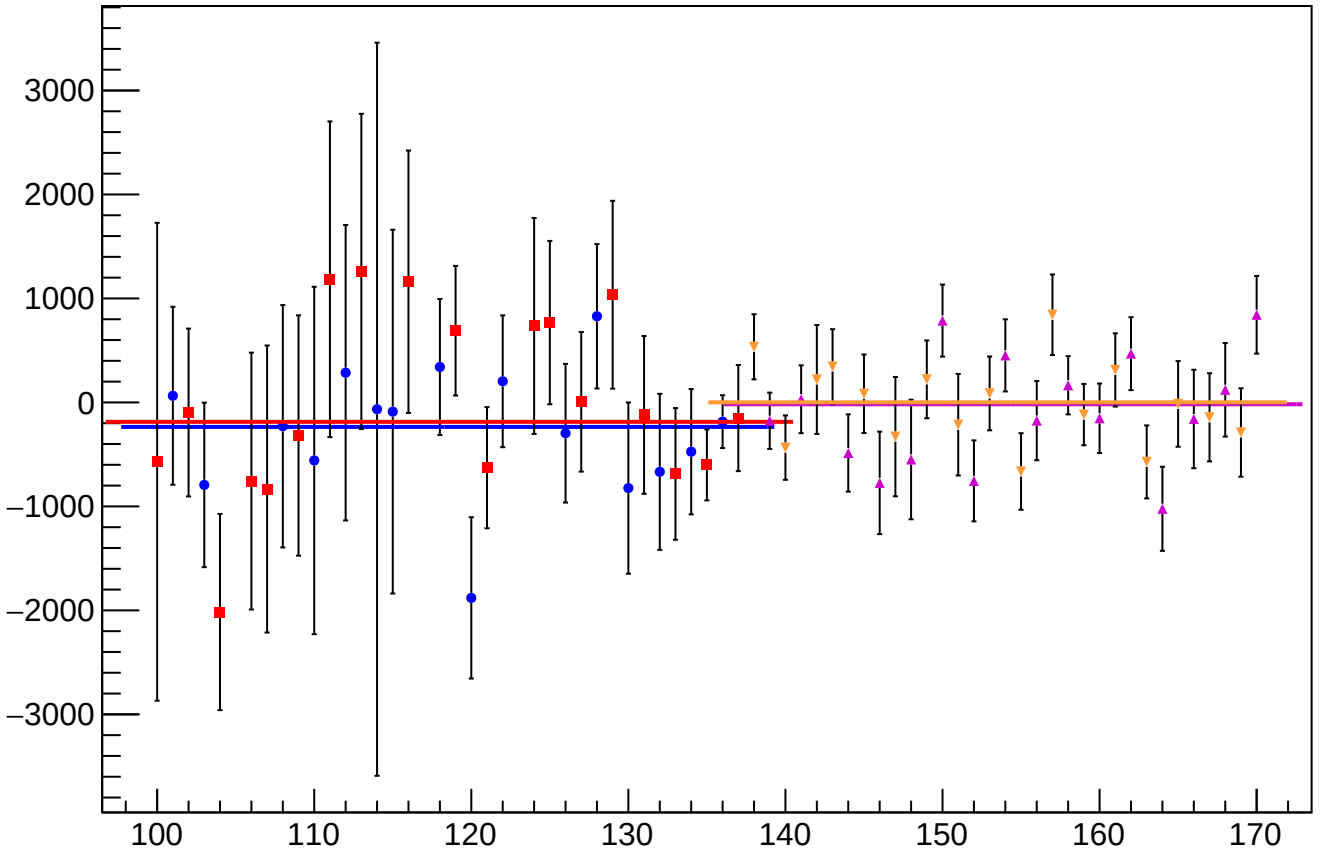
Left: 78.762+/-0.011 χ^2/NDF: 157078.6/32

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.719+/-0.013 χ^2/NDF:915133.4/31

Out: 79.388+/-0.012 χ^2/NDF:1033024.2/35

All: 79.551+/-0.009 χ^2/NDF: 1948507.4/67



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.034+/-91.251 χ^2/NDF:19.1/16

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -17.691+/-91.270 χ^2/NDF:30.3/15

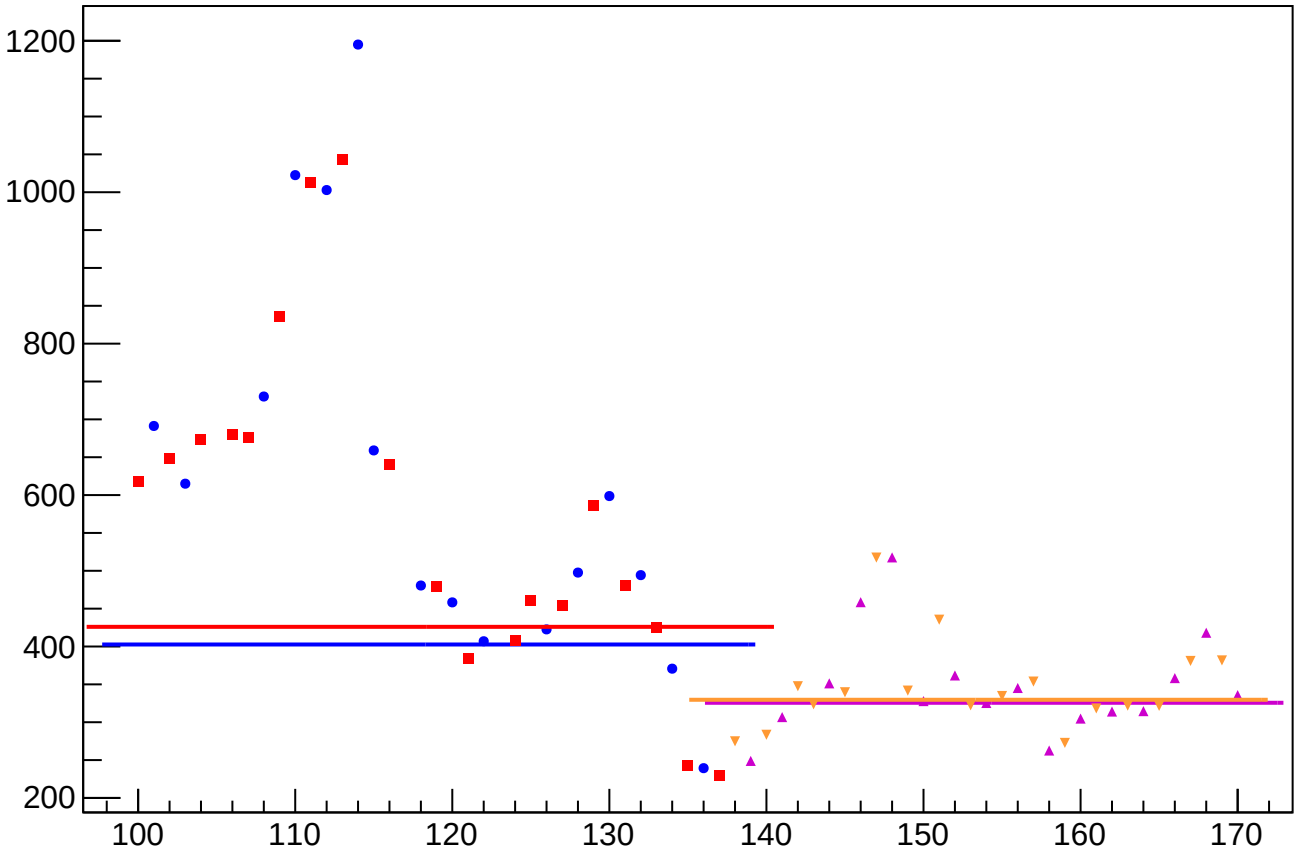
Left: -8.327+/-64.531 χ^2/NDF: 49.5/32

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -69.316+/-79.725 χ^2/NDF:41.6/31

Out: -40.788+/-80.442 χ^2/NDF:36.0/35

All: -55.180+/-56.626 χ^2/NDF: 77.7/67



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 329.646+/-0.065 χ^2/NDF:566958.2/16

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 325.681+/-0.065 χ^2/NDF:776333.6/15

Left: 327.664+/-0.046 χ^2/NDF: 1345179.2/32

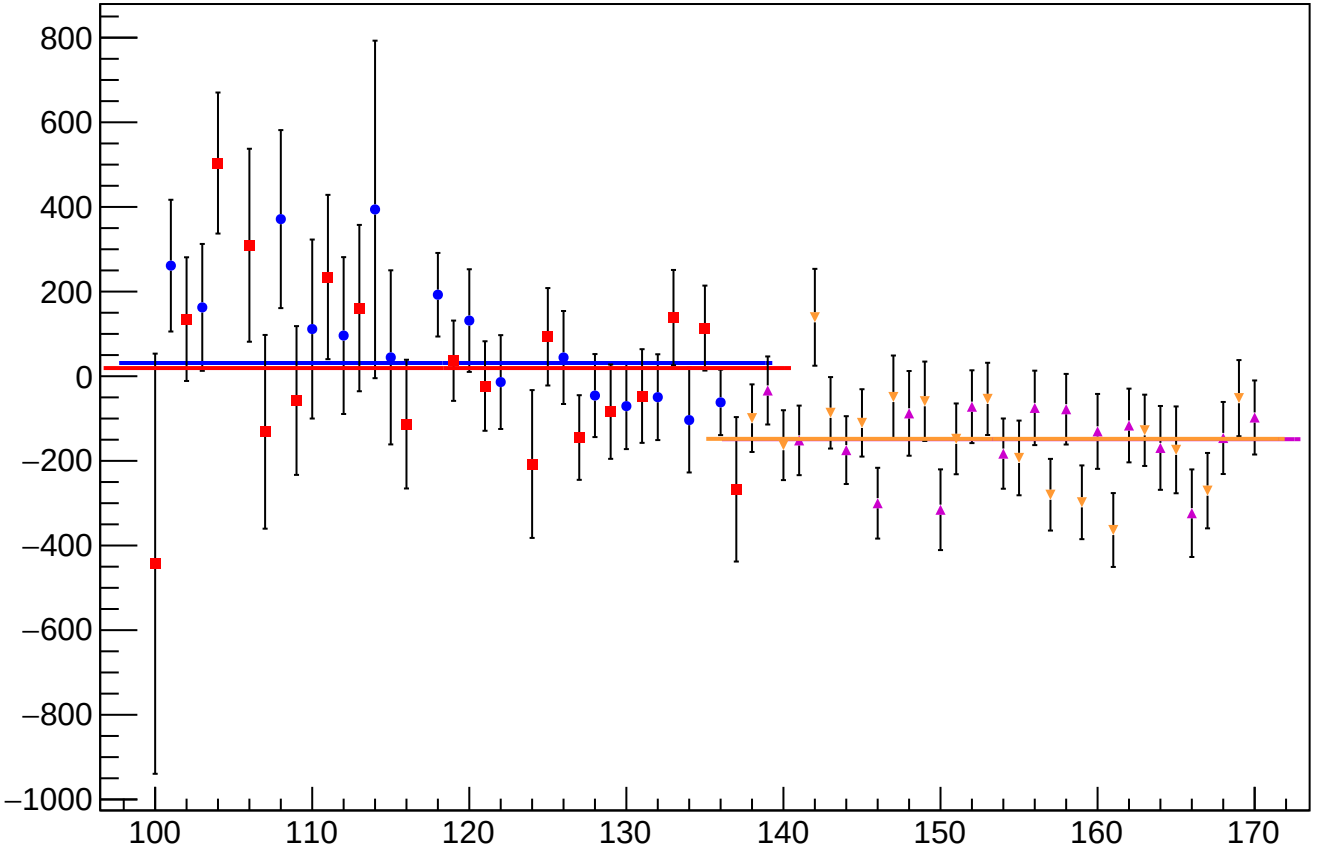
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 343.924+/-0.056 χ^2/NDF:3473580.4/31

Out: 351.116+/-0.057 χ^2/NDF:3432535.1/35

All: 347.488+/-0.040 χ^2/NDF: 6914180.3/67

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -147.988+/-21.356 χ^2/NDF:25.5/16

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -148.791+/-21.885 χ^2/NDF:14.7/15

Left: -148.380+/-15.285 χ^2/NDF: 40.2/32

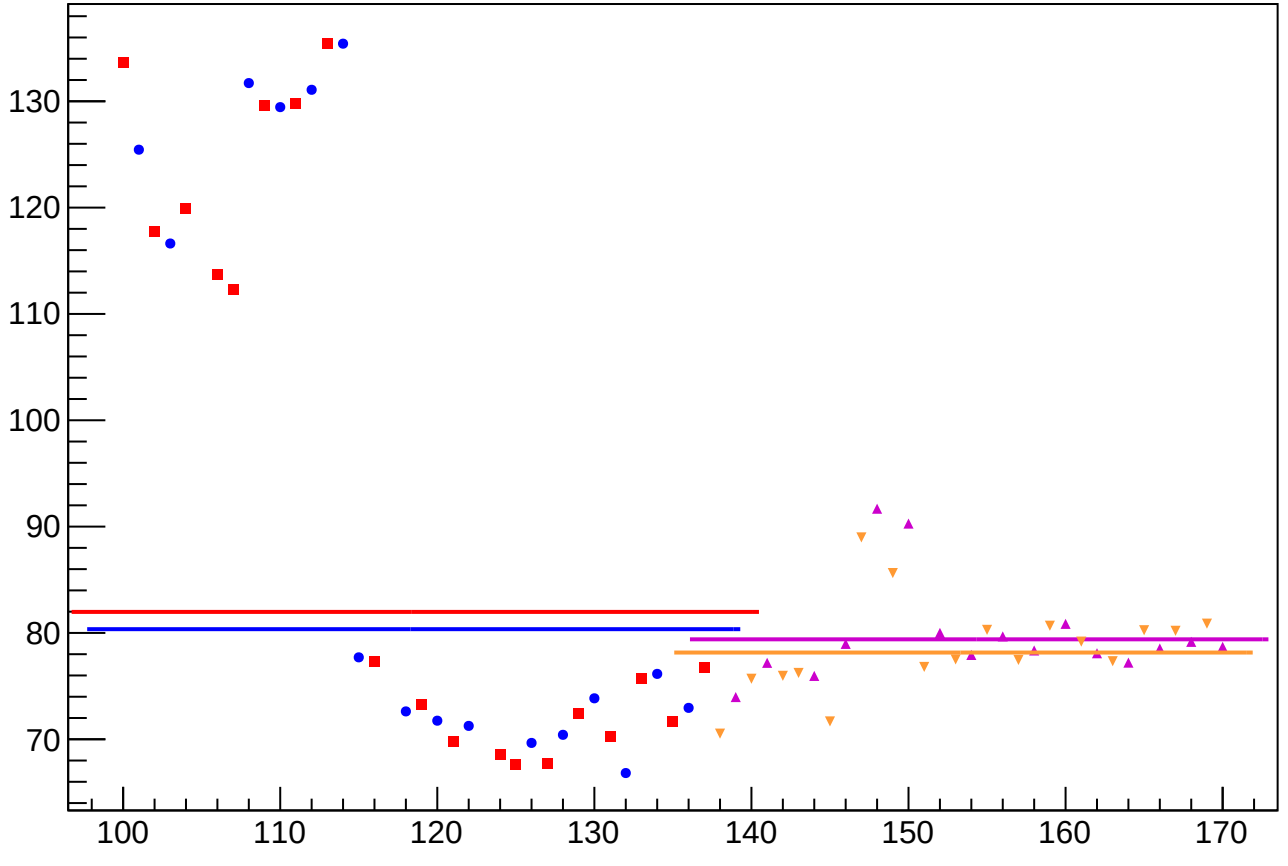
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -88.351+/-17.837 χ^2/NDF:52.5/31

Out: -94.292+/-17.598 χ^2/NDF:70.9/35

All: -91.361+/-12.527 χ^2/NDF: 123.4/67

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.156+/-0.015 χ^2/NDF:79963.2/16

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

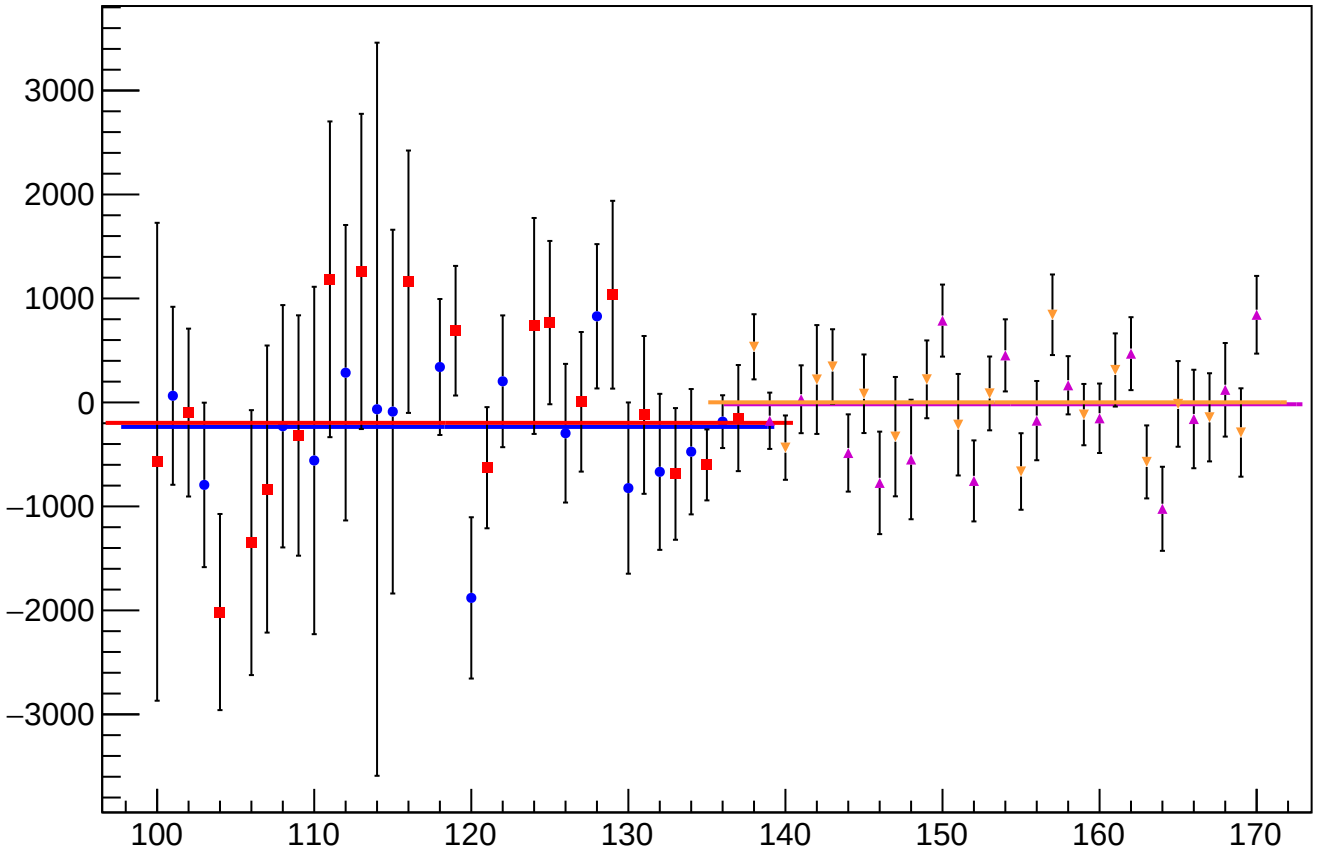
Left: 78.762+/-0.011 χ^2/NDF: 157078.6/32

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.719+/-0.013 χ^2/NDF:915133.5/31

Out: 79.383+/-0.012 χ^2/NDF:1030990.0/35

All: 79.549+/-0.009 χ^2/NDF: 1946483.7/67



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 1.035+/-91.251 χ^2/NDF:19.1/16

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -17.697+/-91.270 χ^2/NDF:30.3/15

Left: -8.329+/-64.531 χ^2/NDF: 49.5/32

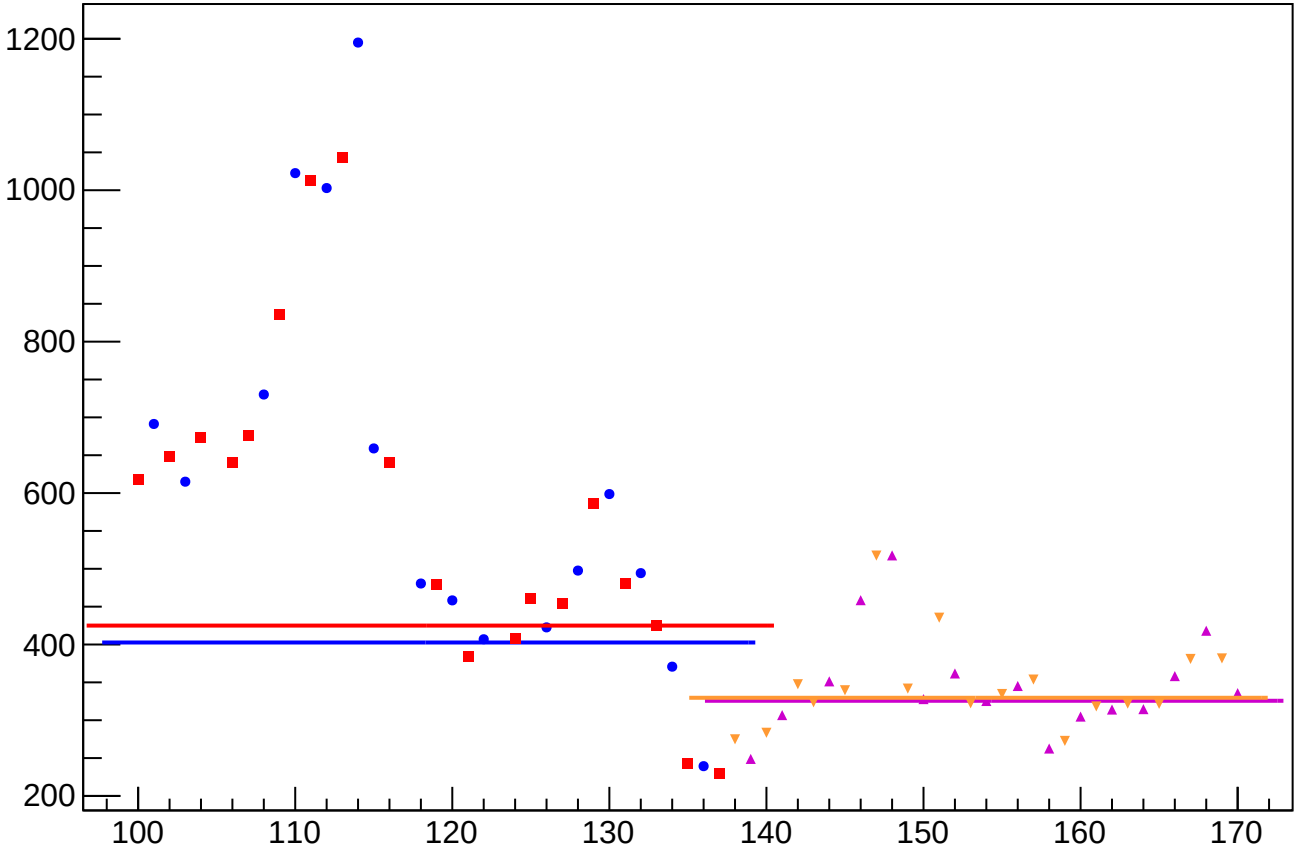
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -69.320+/-79.725 χ^2/NDF:41.6/31

Out: -42.968+/-80.453 χ^2/NDF:36.8/35

All: -56.264+/-56.629 χ^2/NDF: 78.4/67

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 329.646+/-0.065 χ^2/NDF:566965.7/16

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 325.681+/-0.065 χ^2/NDF:776333.4/15

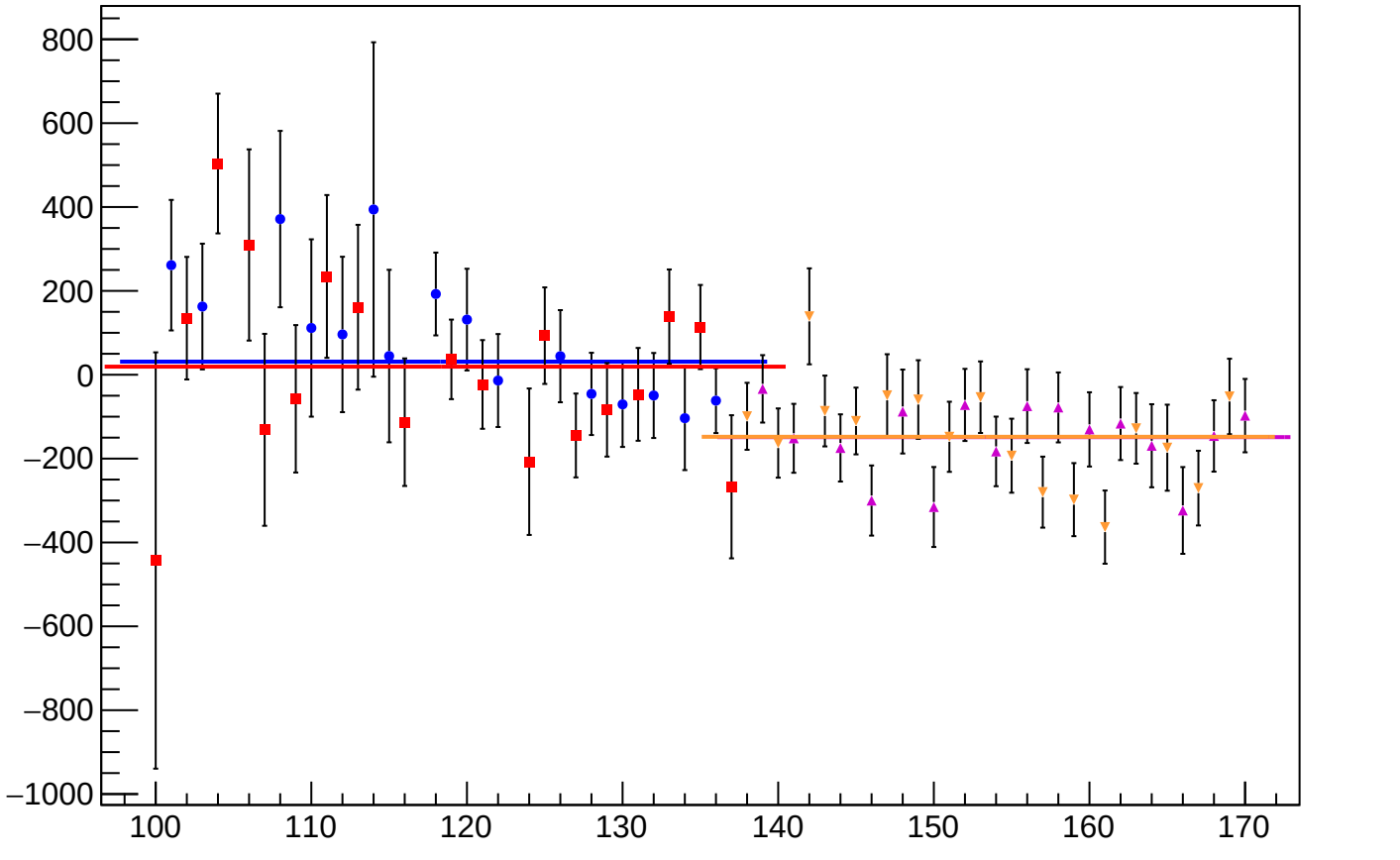
Left: 327.664+/-0.046 χ^2/NDF: 1345186.4/32

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

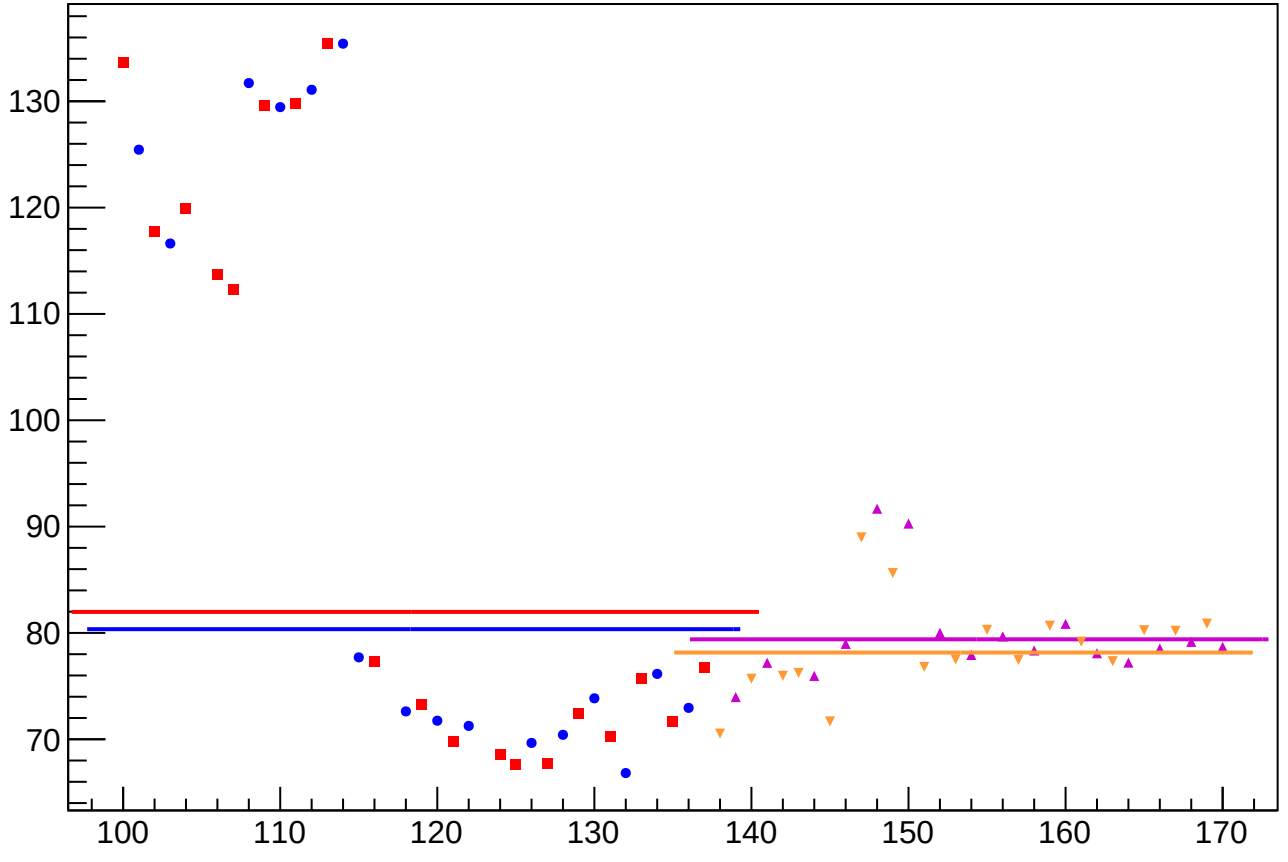
In: 343.925+/-0.056 χ^2/NDF:3473576.5/31

Out: 350.876+/-0.057 χ^2/NDF:3394166.0/35

All: 347.369+/-0.040 χ^2/NDF: 6875276.4/67


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -147.988+/-21.356 χ²/NDF:25.5/16
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -148.791+/-21.885 χ²/NDF:14.7/15
Left: -148.380+/-15.285 χ²/NDF: 40.2/32
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -88.351+/-17.837 χ²/NDF:52.5/31
Out: -94.292+/-17.598 χ²/NDF:70.9/35
All: -91.361+/-12.527 χ²/NDF: 123.4/67

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.156+/-0.015 χ^2/NDF:79963.2/16

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

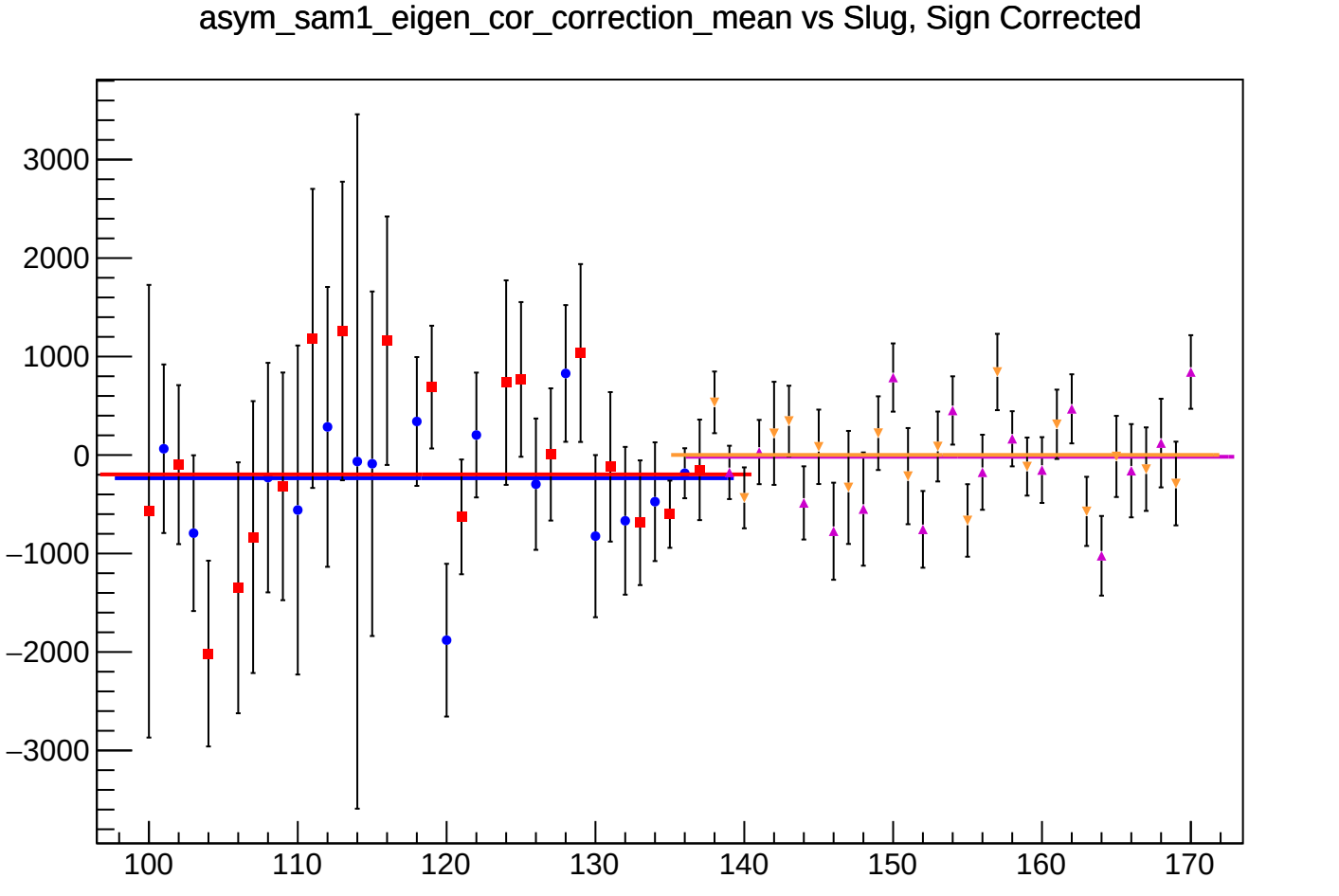
Left: 78.762+/-0.011 χ^2/NDF: 157078.6/32

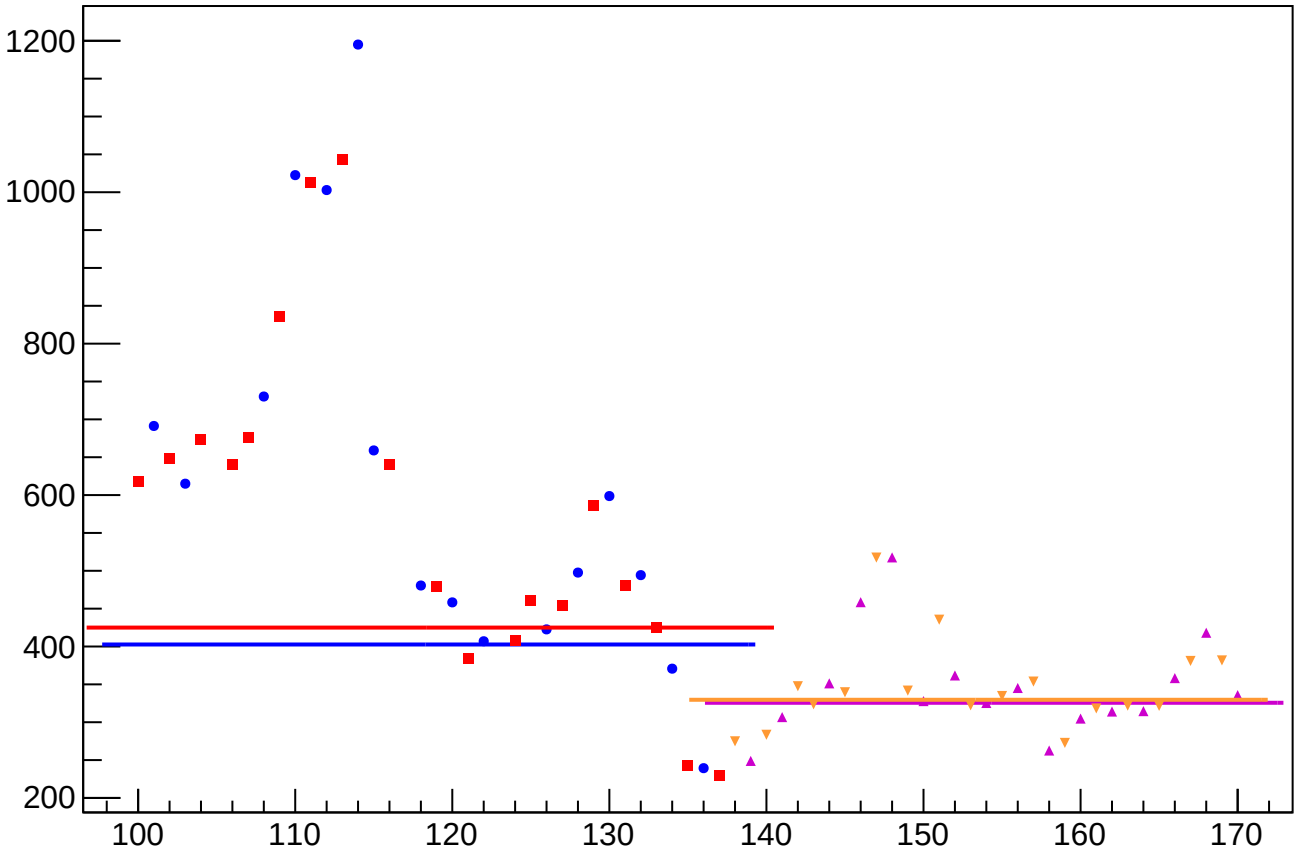
Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.719+/-0.013 χ^2/NDF:915133.5/31

Out: 79.383+/-0.012 χ^2/NDF:1030990.0/35

All: 79.549+/-0.009 χ^2/NDF: 1946483.7/67


asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 1.035+/-91.251 χ²/NDF:19.1/16
Right Out: -196.579+/-170.492 χ²/NDF: 16.6/18
Left In: -17.697+/-91.270 χ²/NDF:30.3/15
Left: -8.329+/-64.531 χ²/NDF: 49.5/32
Right: -216.832+/-118.106 χ²/NDF: 26.5/34
In: -69.320+/-79.725 χ²/NDF:41.6/31
Out: -42.968+/-80.453 χ²/NDF:36.8/35
All: -56.264+/-56.629 χ²/NDF: 78.4/67



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 329.646+/-0.065 χ^2/NDF:566965.7/16

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 325.681+/-0.065 χ^2/NDF:776333.4/15

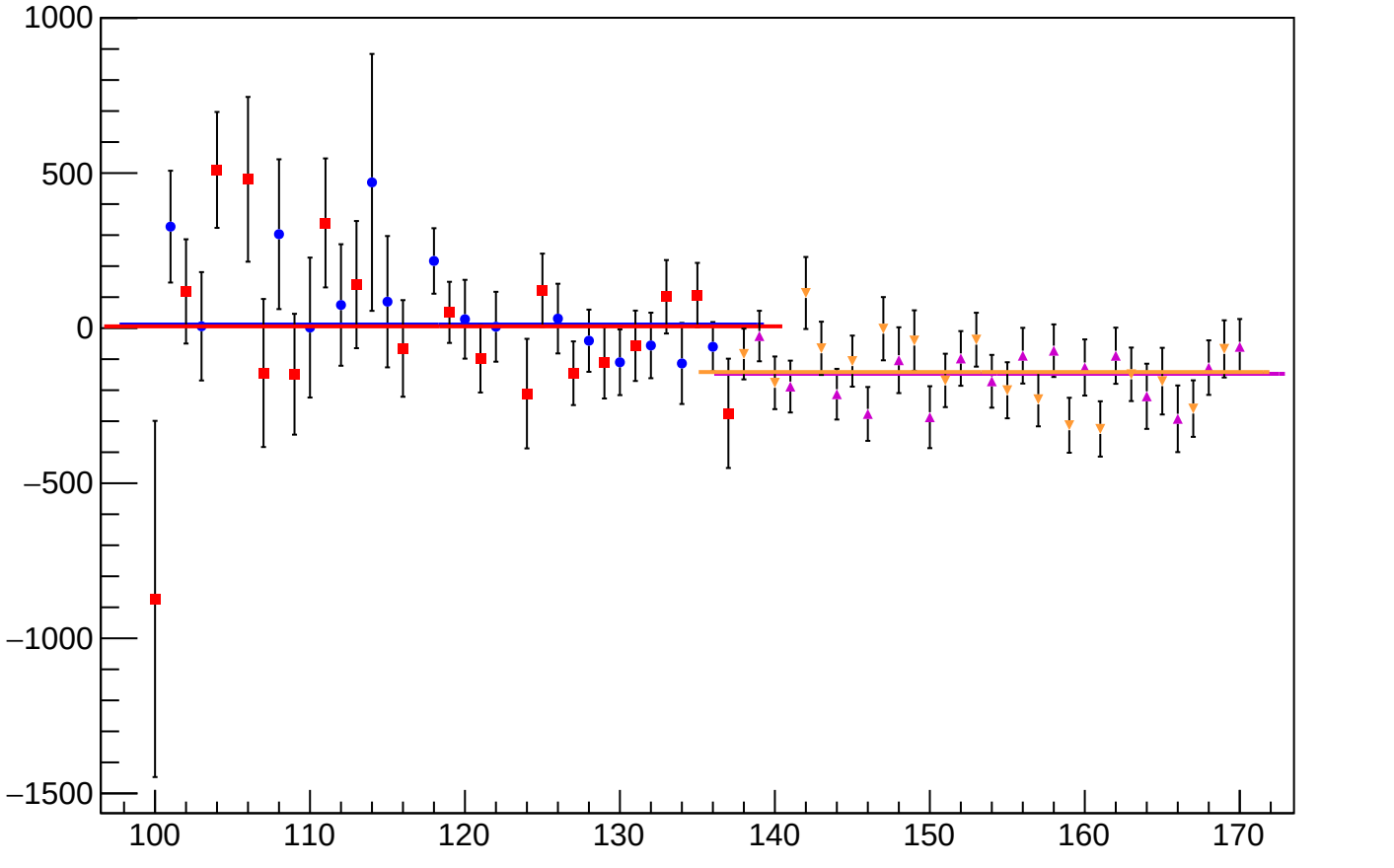
Left: 327.664+/-0.046 χ^2/NDF: 1345186.4/32

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 343.925+/-0.056 χ^2/NDF:3473576.5/31

Out: 350.876+/-0.057 χ^2/NDF:3394166.0/35

All: 347.369+/-0.040 χ^2/NDF: 6875276.4/67



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -141.468+/-21.923 χ^2/NDF:22.8/16

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.216+/-22.527 χ^2/NDF:12.8/15

Left: -144.264+/-15.711 χ^2/NDF: 35.7/32

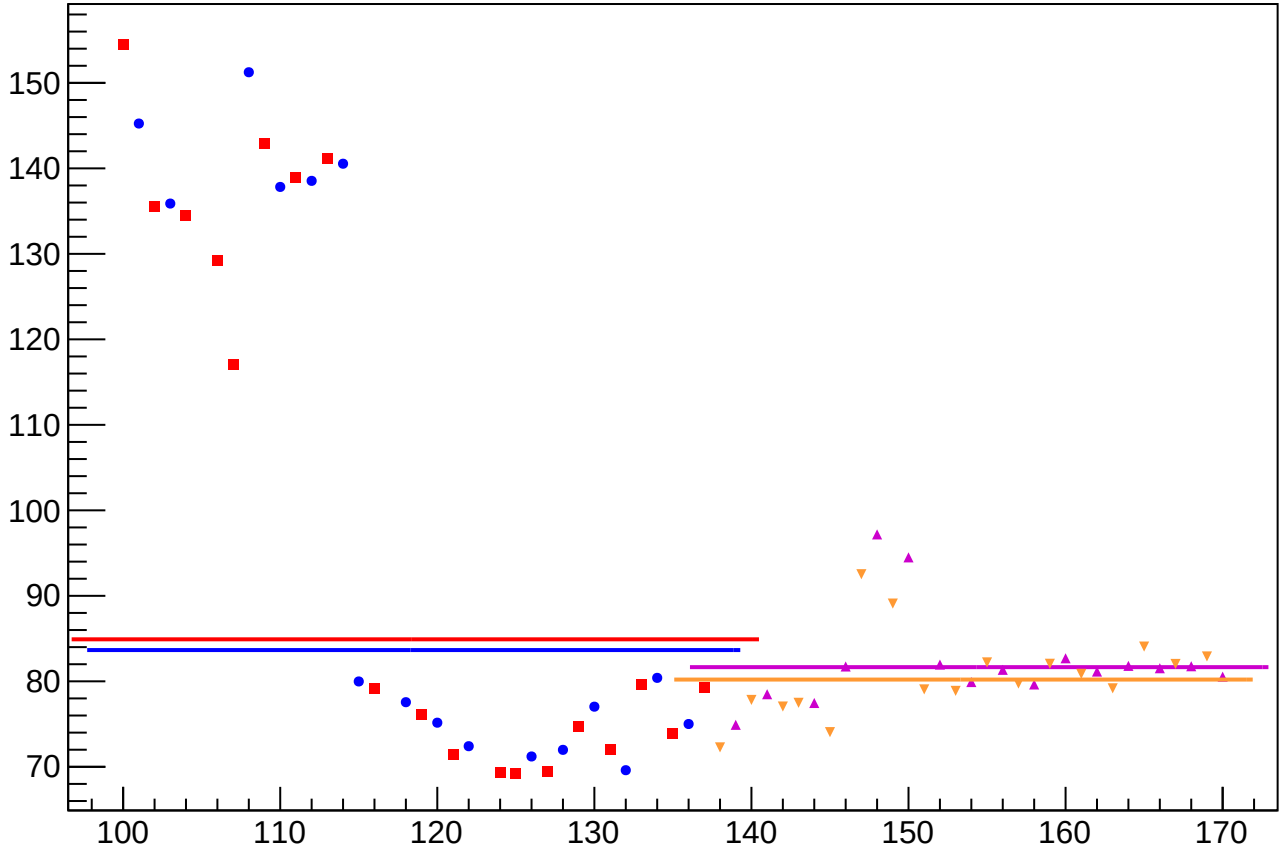
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.224+/-18.476 χ^2/NDF:42.6/31

Out: -95.297+/-18.165 χ^2/NDF:65.7/35

All: -95.261+/-12.953 χ^2/NDF: 108.4/67

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.206+/-0.016 χ^2/NDF:89079.0/16

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.659+/-0.016 χ^2/NDF:100464.6/15

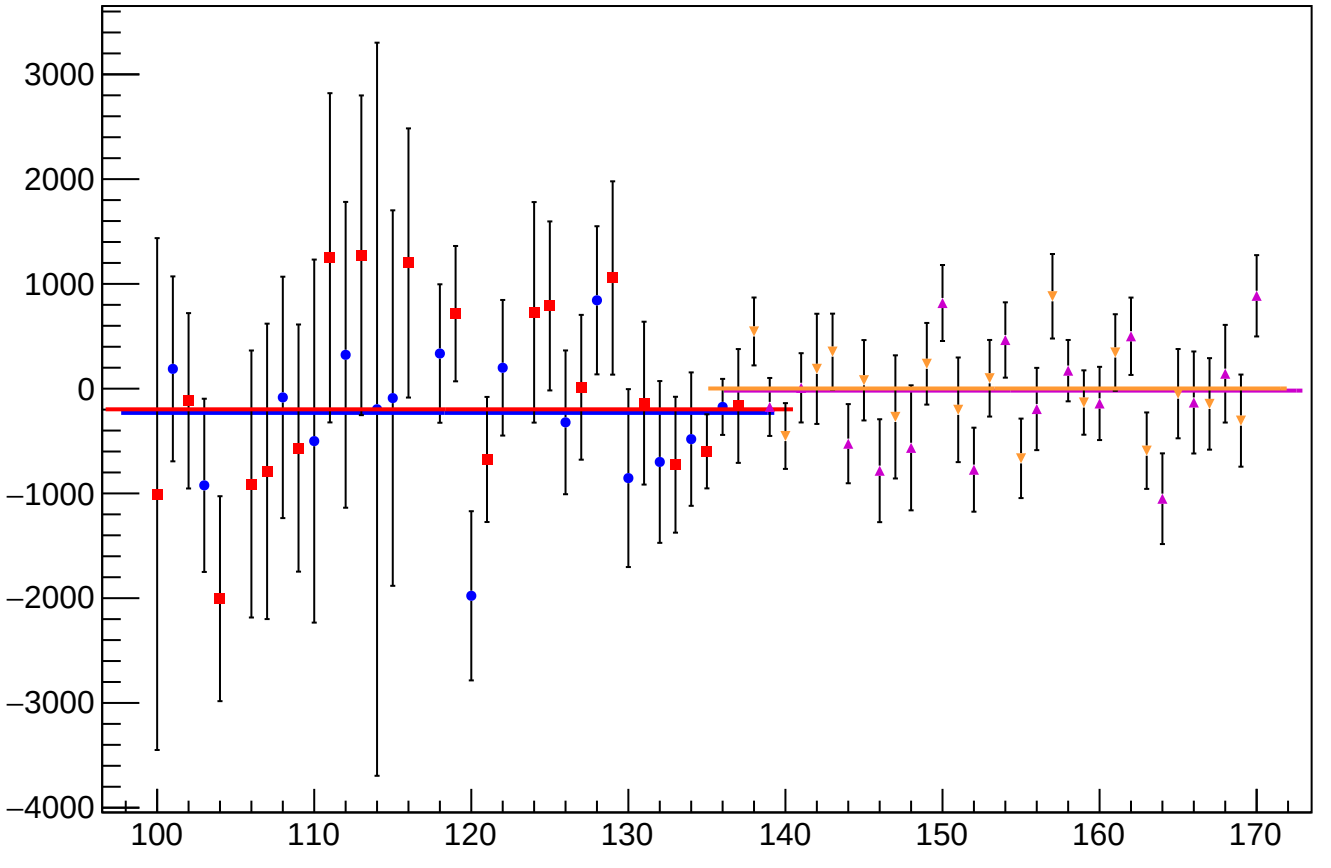
Left: 80.913+/-0.011 χ^2/NDF: 193814.7/32

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.313+/-0.013 χ^2/NDF:1140410.1/31

Out: 81.682+/-0.013 χ^2/NDF:1239648.3/35

All: 81.992+/-0.009 χ^2/NDF: 2381244.9/67



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 1.581+/-93.960 χ^2/NDF:19.0/16

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -18.607+/-94.411 χ^2/NDF:30.1/15

Left: -8.465+/-66.599 χ^2/NDF: 49.1/32

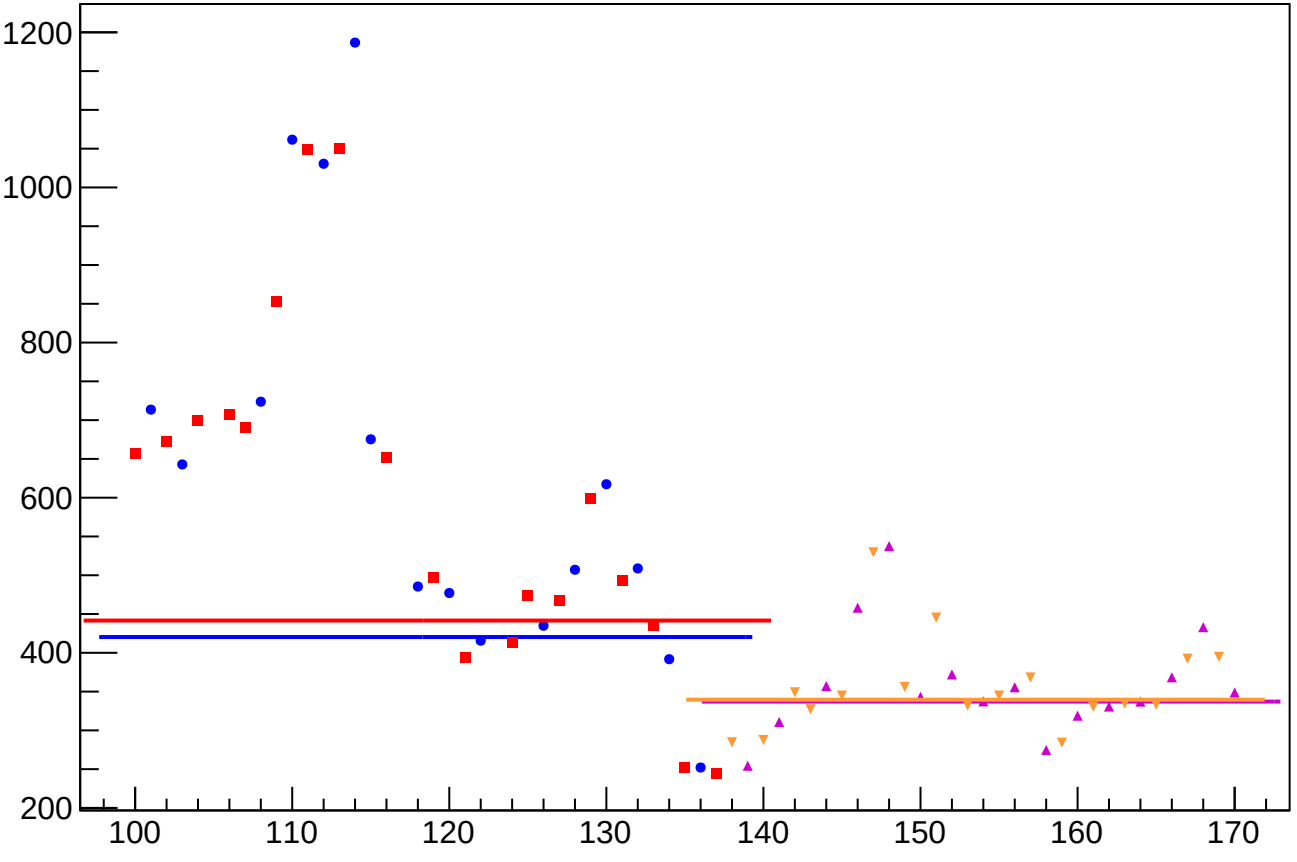
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -68.709+/-82.552 χ^2/NDF:41.7/31

Out: -42.474+/-82.897 χ^2/NDF:35.9/35

All: -55.646+/-58.495 χ^2/NDF: 77.6/67

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.556+/-0.066 χ^2/NDF:557491.6/16

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 337.121+/-0.067 χ^2/NDF:756571.6/15

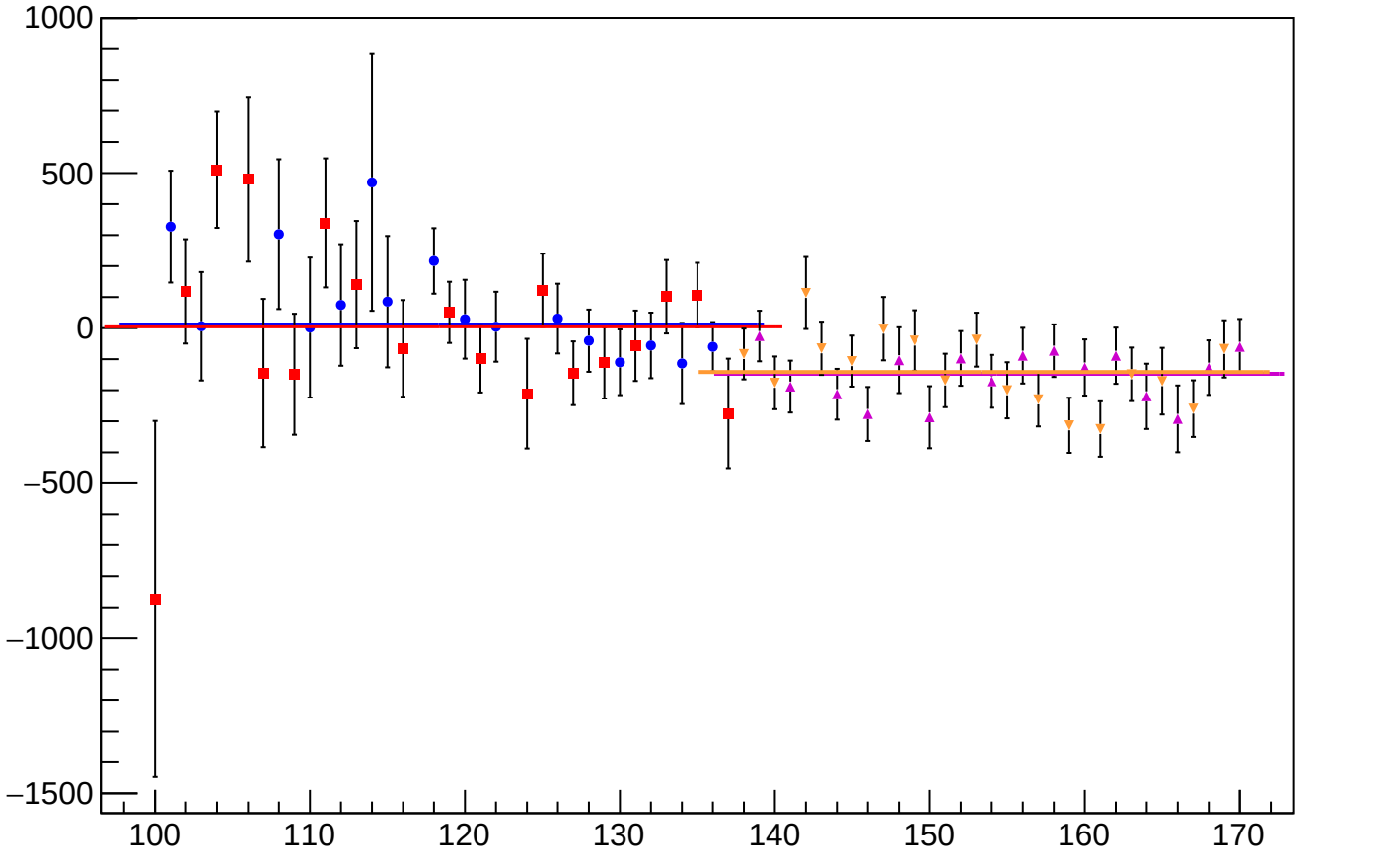
Left: 338.344+/-0.047 χ^2/NDF: 1314732.1/32

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.711+/-0.058 χ^2/NDF:3376946.7/31

Out: 362.170+/-0.059 χ^2/NDF:3387837.1/35

All: 359.430+/-0.041 χ^2/NDF: 6769138.6/67



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -141.467+/-21.923 χ^2/NDF:22.8/16

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.216+/-22.527 χ^2/NDF:12.8/15

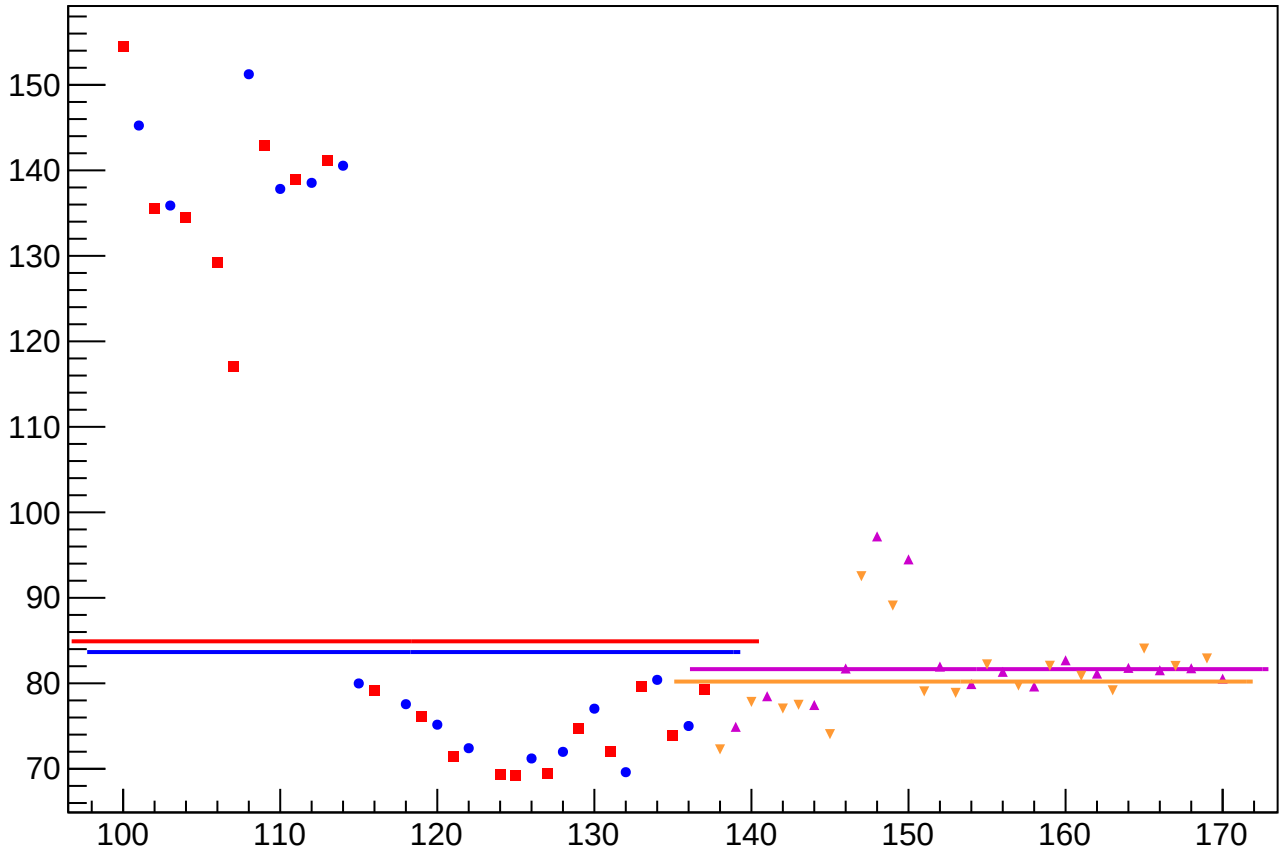
Left: -144.264+/-15.711 χ^2/NDF: 35.7/32

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.224+/-18.476 χ^2/NDF:42.6/31

Out: -95.297+/-18.165 χ^2/NDF:65.7/35

All: -95.261+/-12.953 χ^2/NDF: 108.4/67



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.206+/-0.016 χ^2/NDF:89078.4/16

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.659+/-0.016 χ^2/NDF:100463.8/15

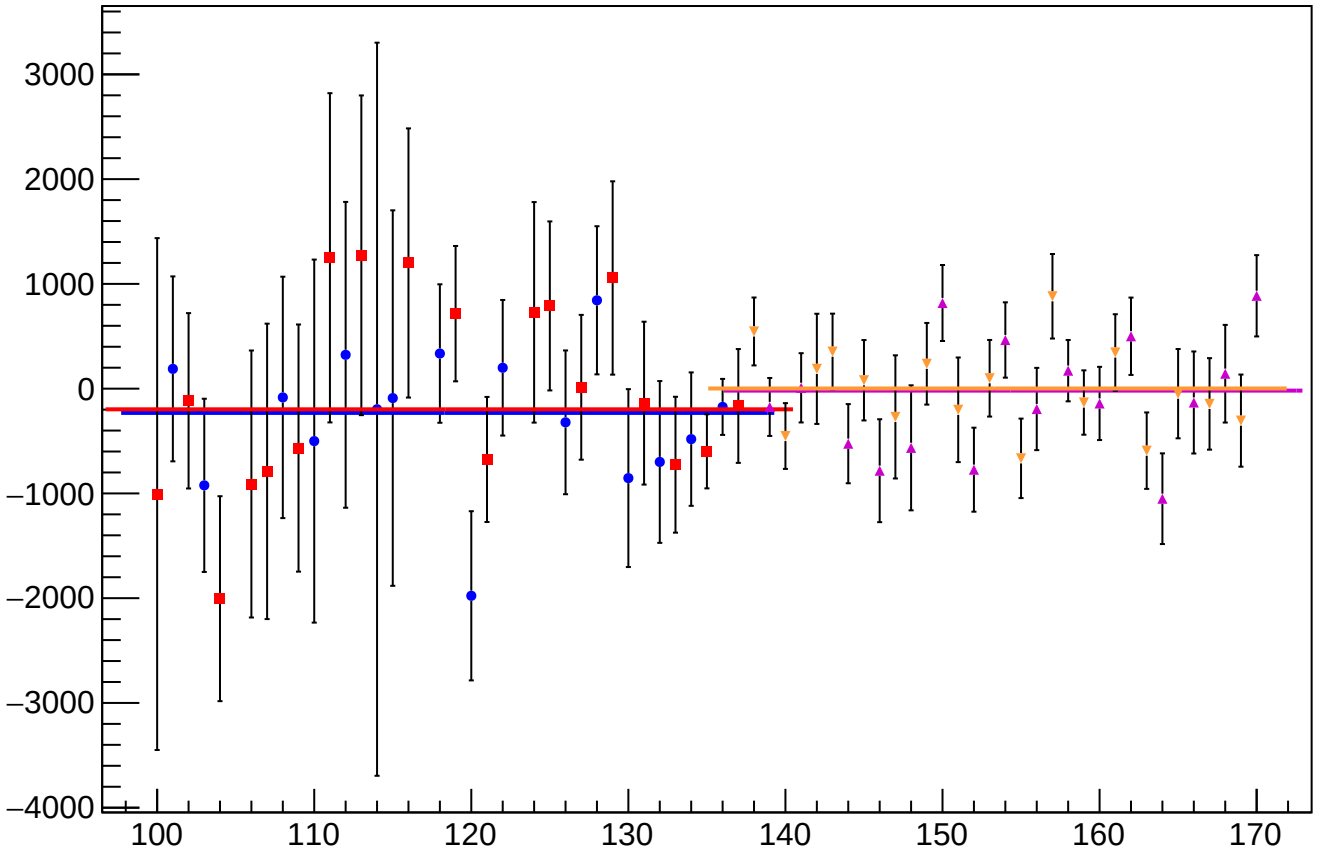
Left: 80.913+/-0.011 χ^2/NDF: 193813.3/32

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.313+/-0.013 χ^2/NDF:1140408.6/31

Out: 81.682+/-0.013 χ^2/NDF:1239645.8/35

All: 81.992+/-0.009 χ^2/NDF: 2381241.0/67



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 1.581+/-93.960 χ^2/NDF:19.0/16

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -18.608+/-94.411 χ^2/NDF:30.1/15

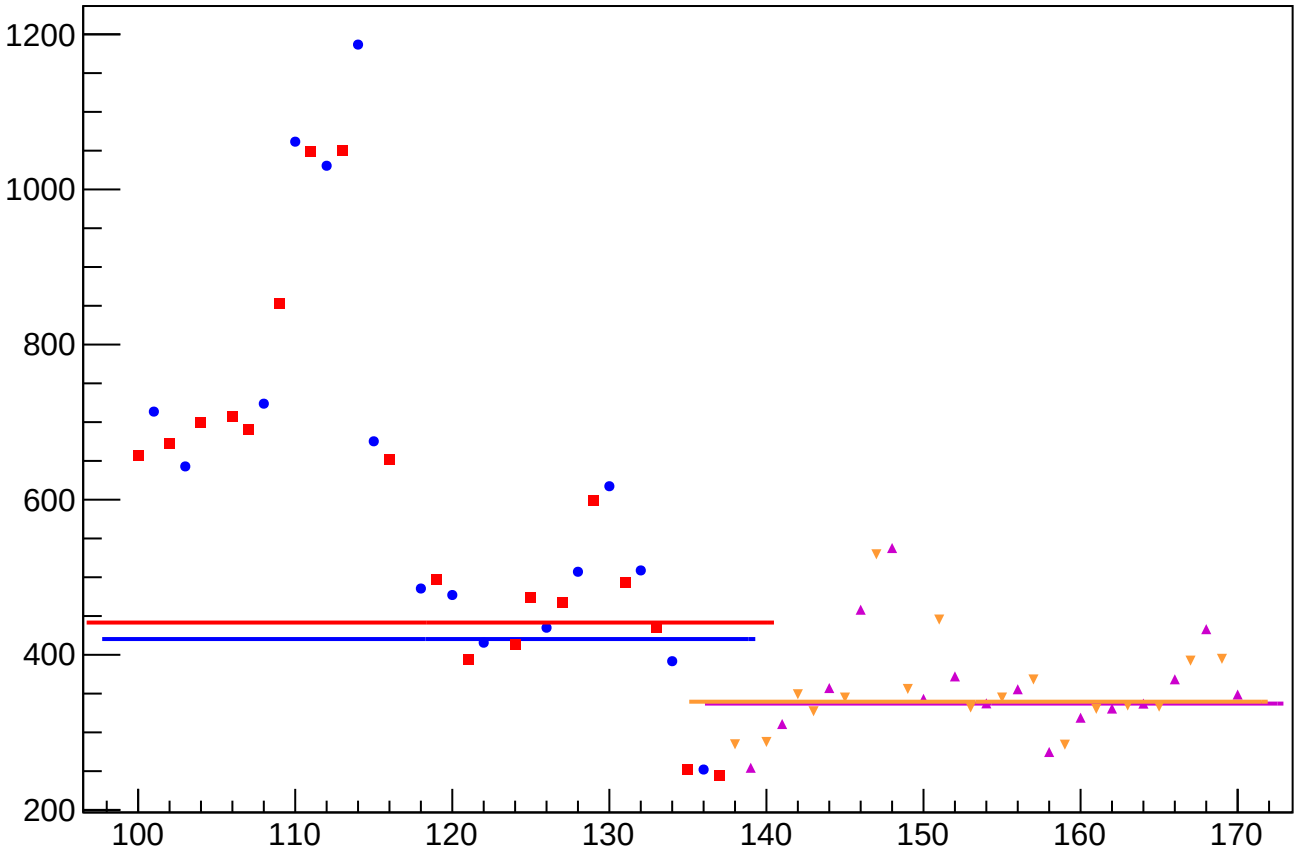
Left: -8.465+/-66.599 χ^2/NDF: 49.1/32

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -68.709+/-82.552 χ^2/NDF:41.7/31

Out: -42.474+/-82.897 χ^2/NDF:35.9/35

All: -55.646+/-58.495 χ^2/NDF: 77.6/67



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.556+/-0.066 χ^2/NDF:557491.9/16

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 337.120+/-0.067 χ^2/NDF:756573.8/15

Left: 338.344+/-0.047 χ^2/NDF: 1314734.5/32

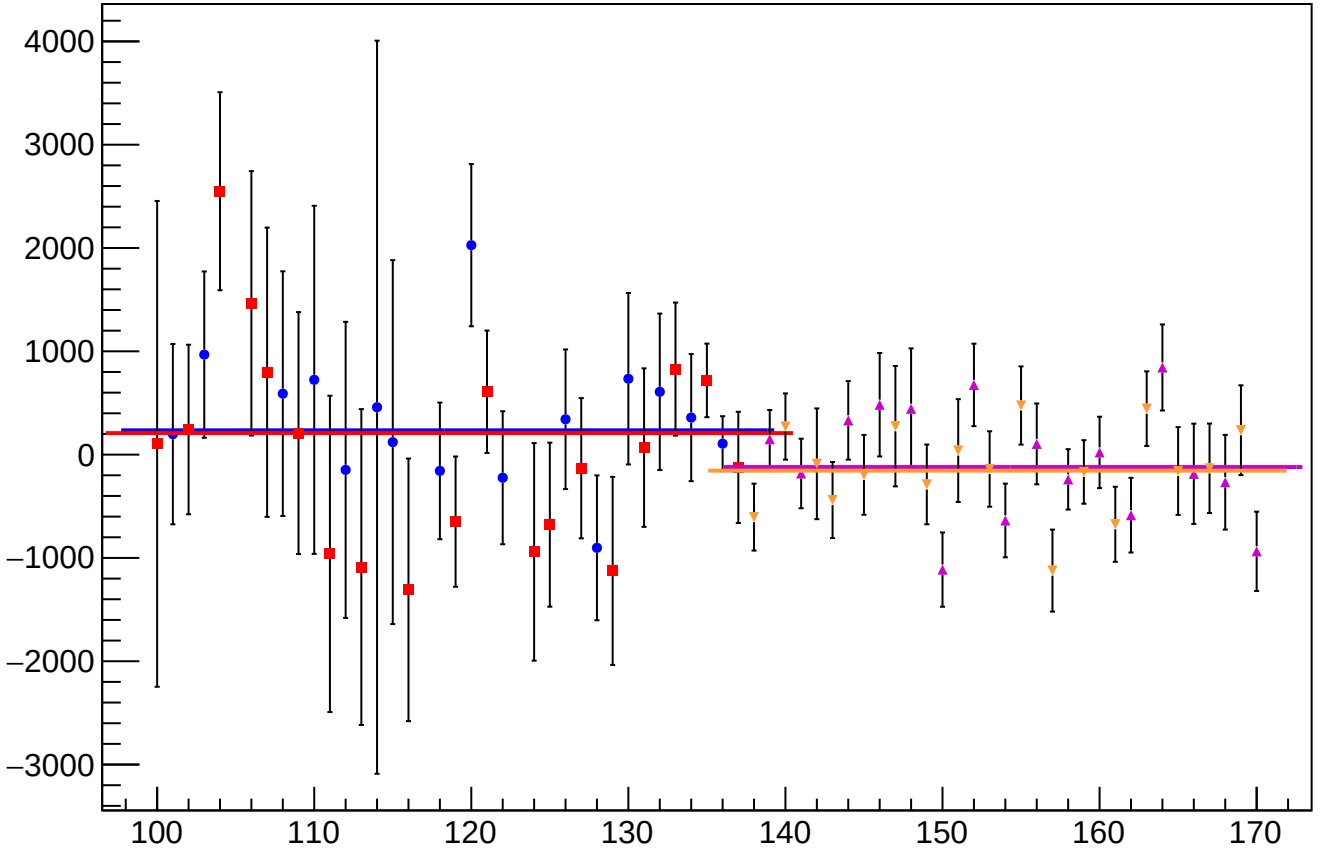
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.711+/-0.058 χ^2/NDF:3376950.0/31

Out: 362.170+/-0.059 χ^2/NDF:3387838.2/35

All: 359.429+/-0.041 χ^2/NDF: 6769143.0/67

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -155.242+/-93.938 χ^2/NDF:19.5/16

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -120.377+/-94.126 χ^2/NDF:30.8/15

Left: -137.844+/-66.490 χ^2/NDF: 50.3/32

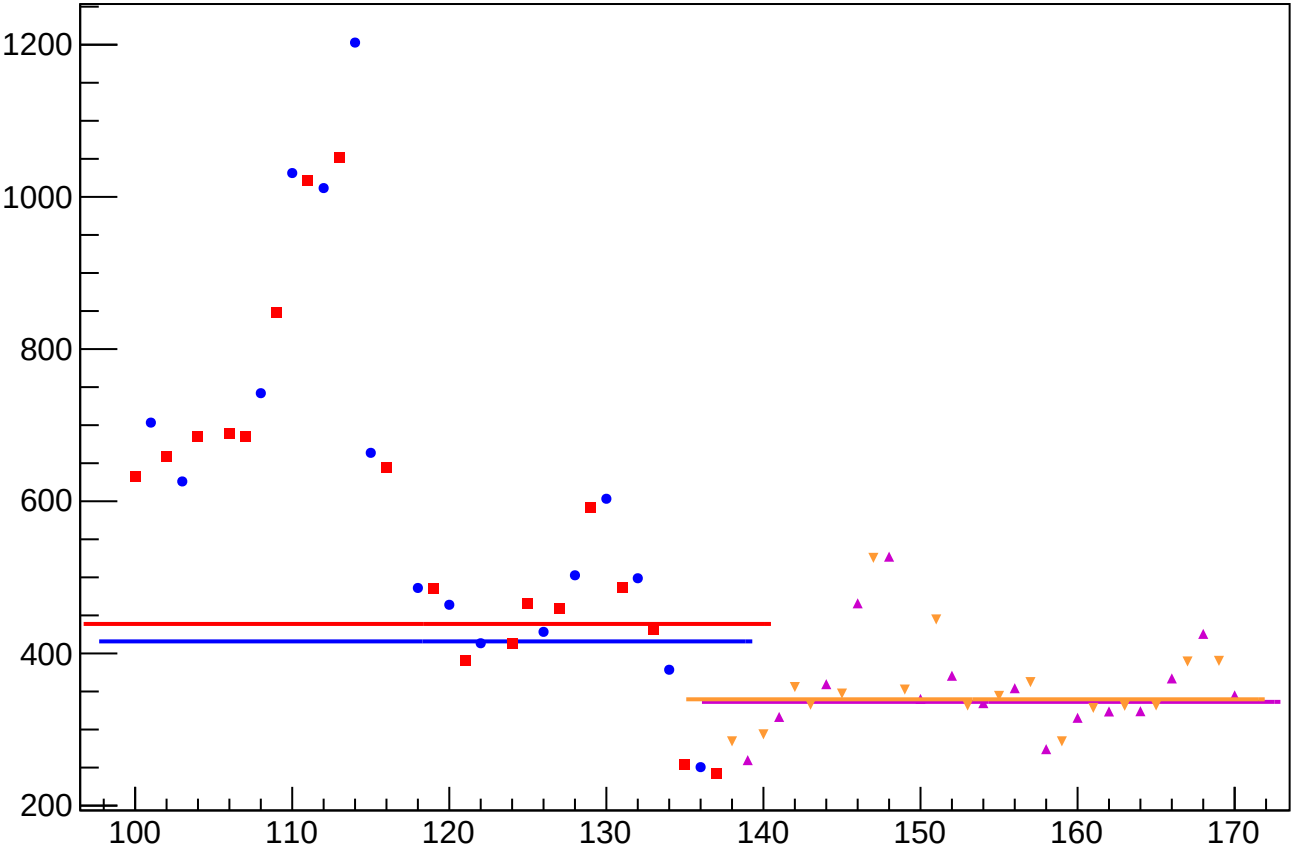
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -35.613+/-82.139 χ^2/NDF:44.8/31

Out: -73.798+/-82.737 χ^2/NDF:43.2/35

All: -54.567+/-58.291 χ^2/NDF: 88.2/67

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 339.731+/-0.066 χ^2/NDF:526804.3/16

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 336.360+/-0.067 χ^2/NDF:714374.0/15

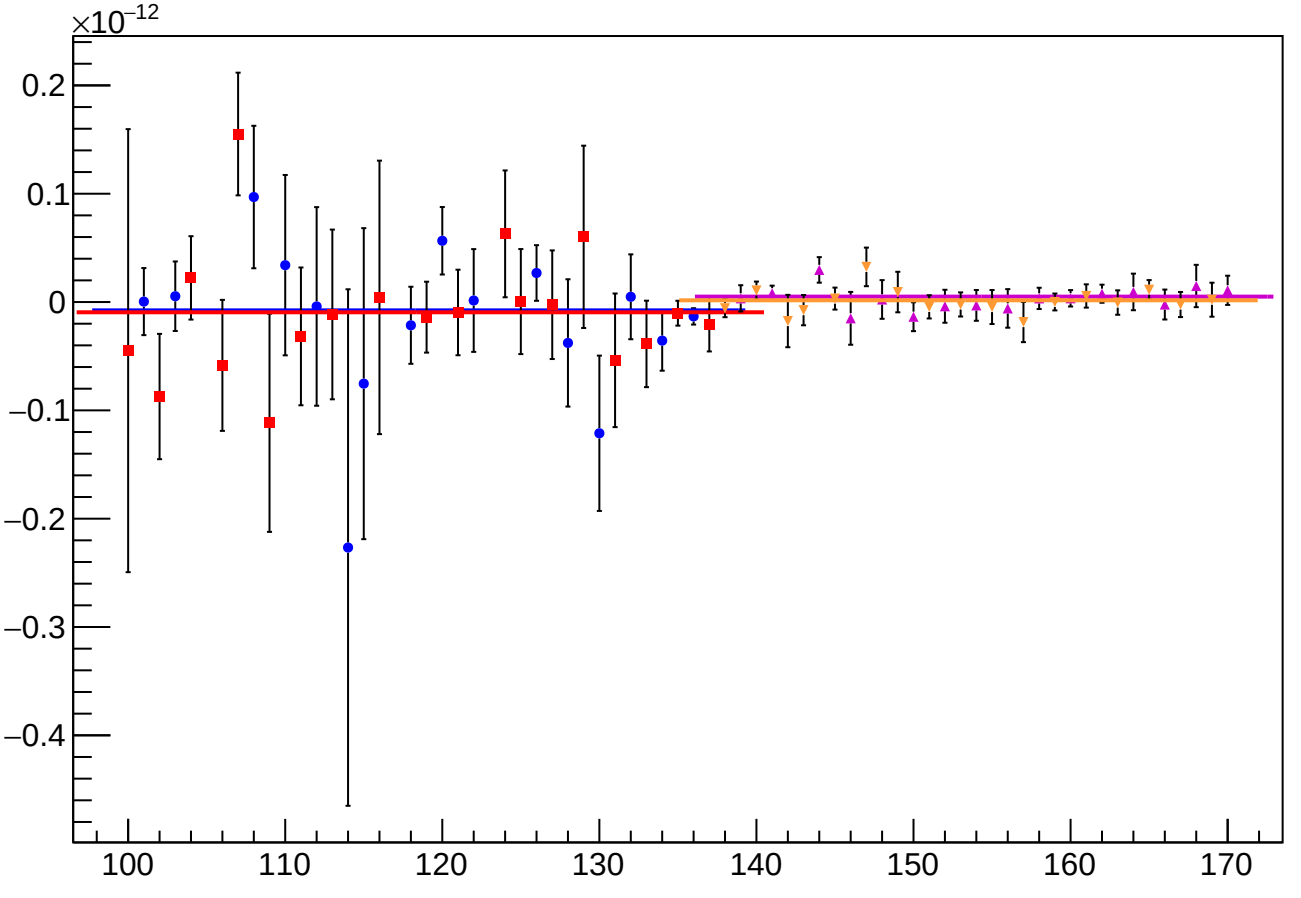
Left: 338.049+/-0.047 χ^2/NDF: 1242464.1/32

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.314+/-0.058 χ^2/NDF:3278402.8/31

Out: 361.942+/-0.059 χ^2/NDF:3260145.7/35

All: 358.604+/-0.041 χ^2/NDF: 6545011.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/15

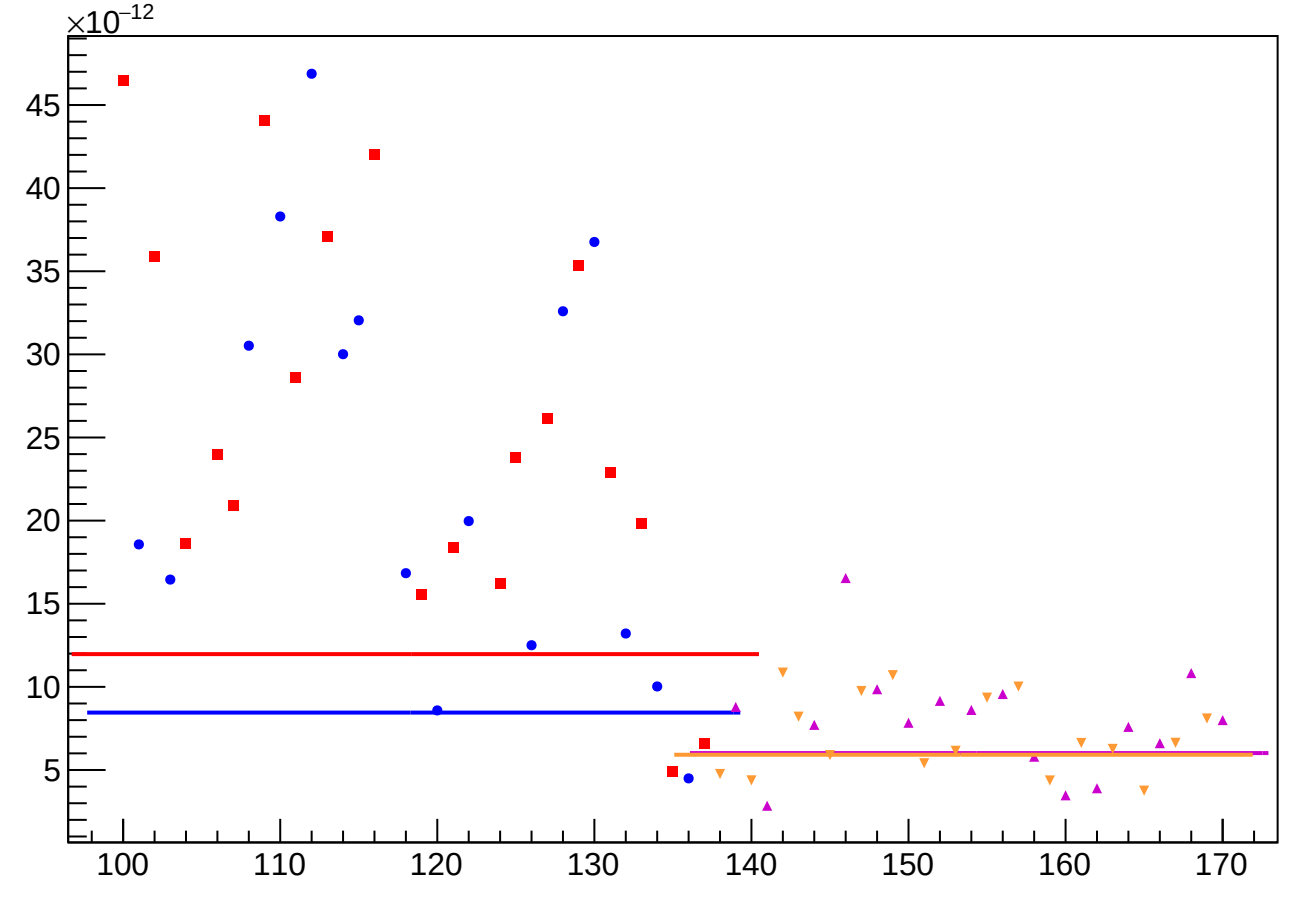
Left: 0.000+/-0.000 χ^2/NDF: 19.5/32

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.4/31

Out: 0.000+/-0.000 χ^2/NDF:27.5/35

All: 0.000+/-0.000 χ^2/NDF: 55.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:921870.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1827681.6/15

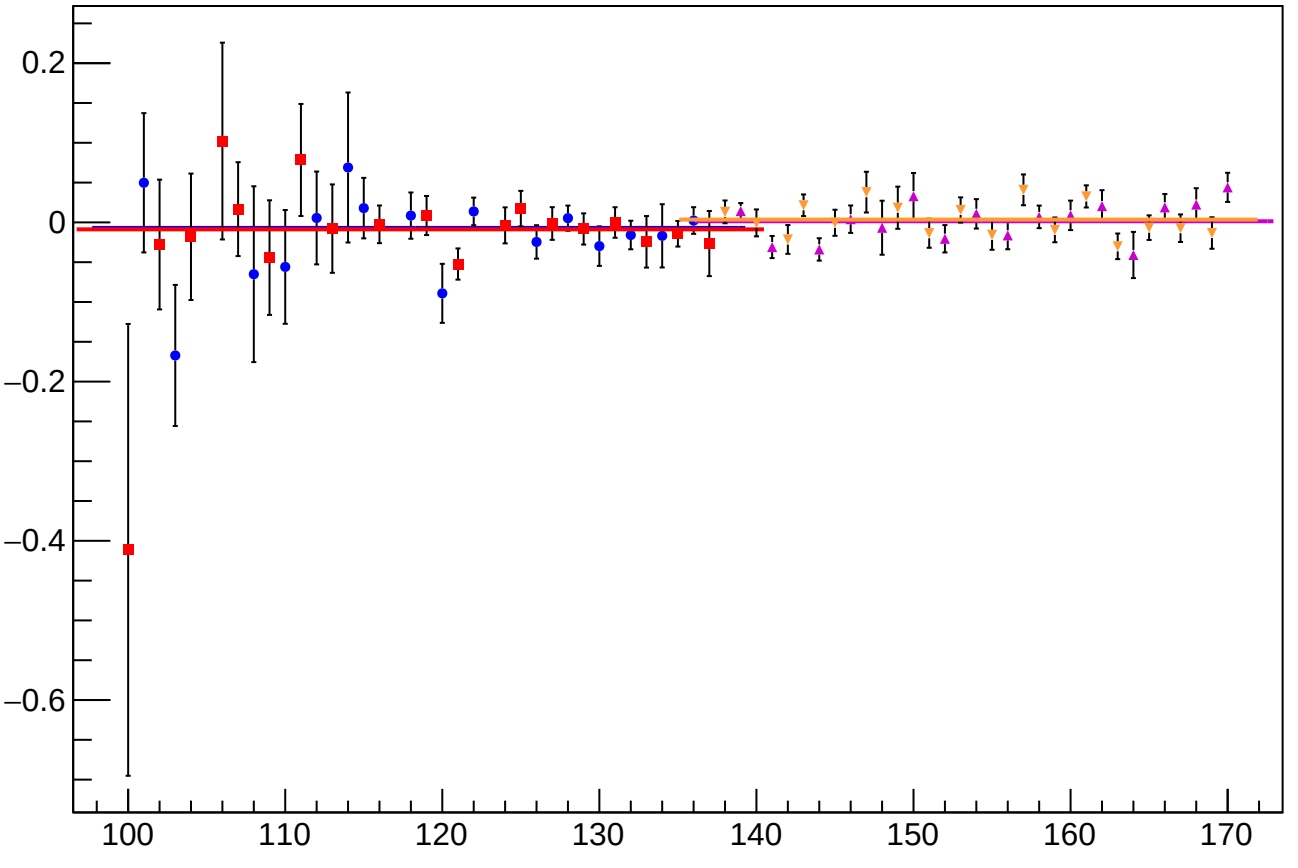
Left: 0.000+/-0.000 χ^2/NDF: 2750799.0/32

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4838680.0/31

Out: 0.000+/-0.000 χ^2/NDF:4672378.4/35

All: 0.000+/-0.000 χ^2/NDF: 9511683.1/67



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:23.5/16

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:28.5/15

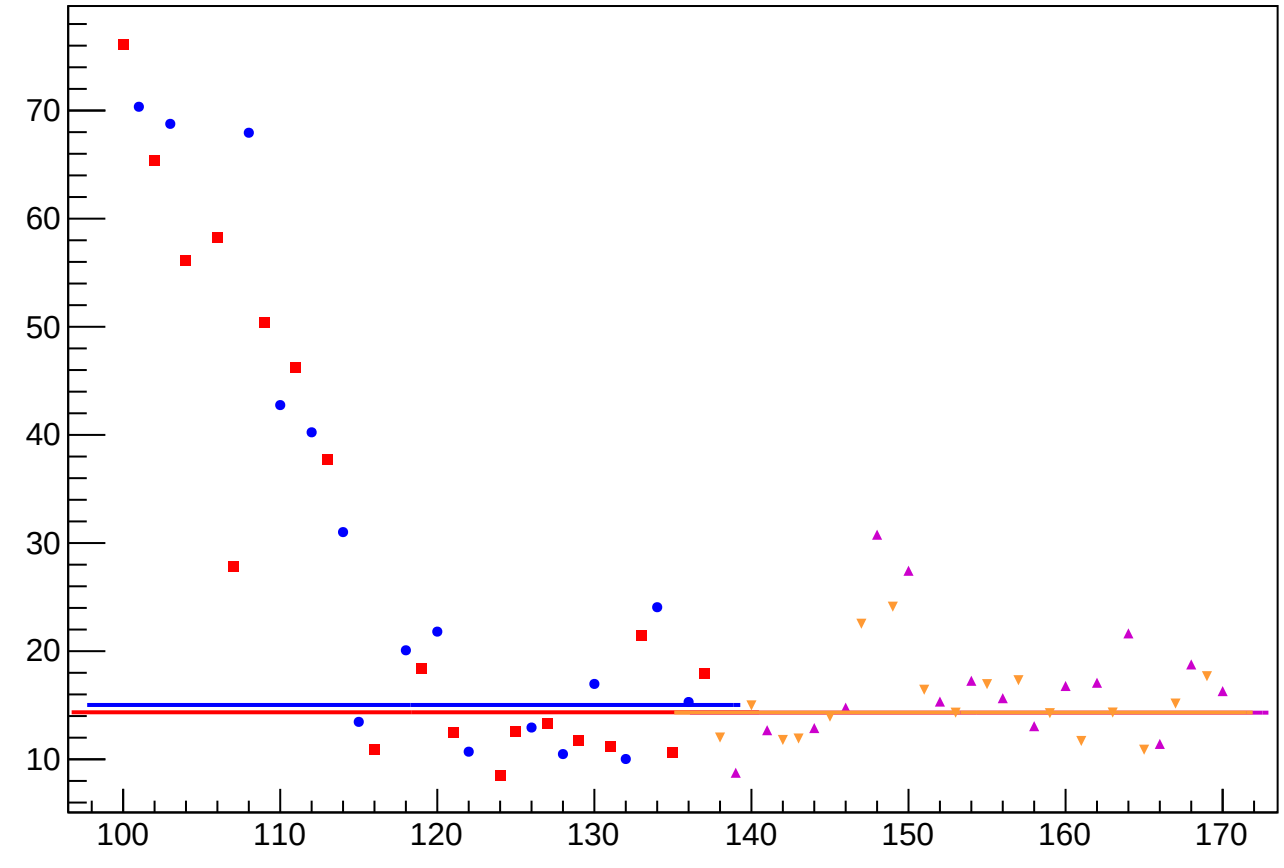
Left: 0.003+/-0.003 χ^2/NDF: 52.1/32

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: -0.000+/-0.003 χ^2/NDF:38.8/35

All: -0.000+/-0.002 χ^2/NDF: 83.3/67



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.328+/-0.003 χ^2/NDF:983289.7/16

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.314+/-0.003 χ^2/NDF:2003151.1/15

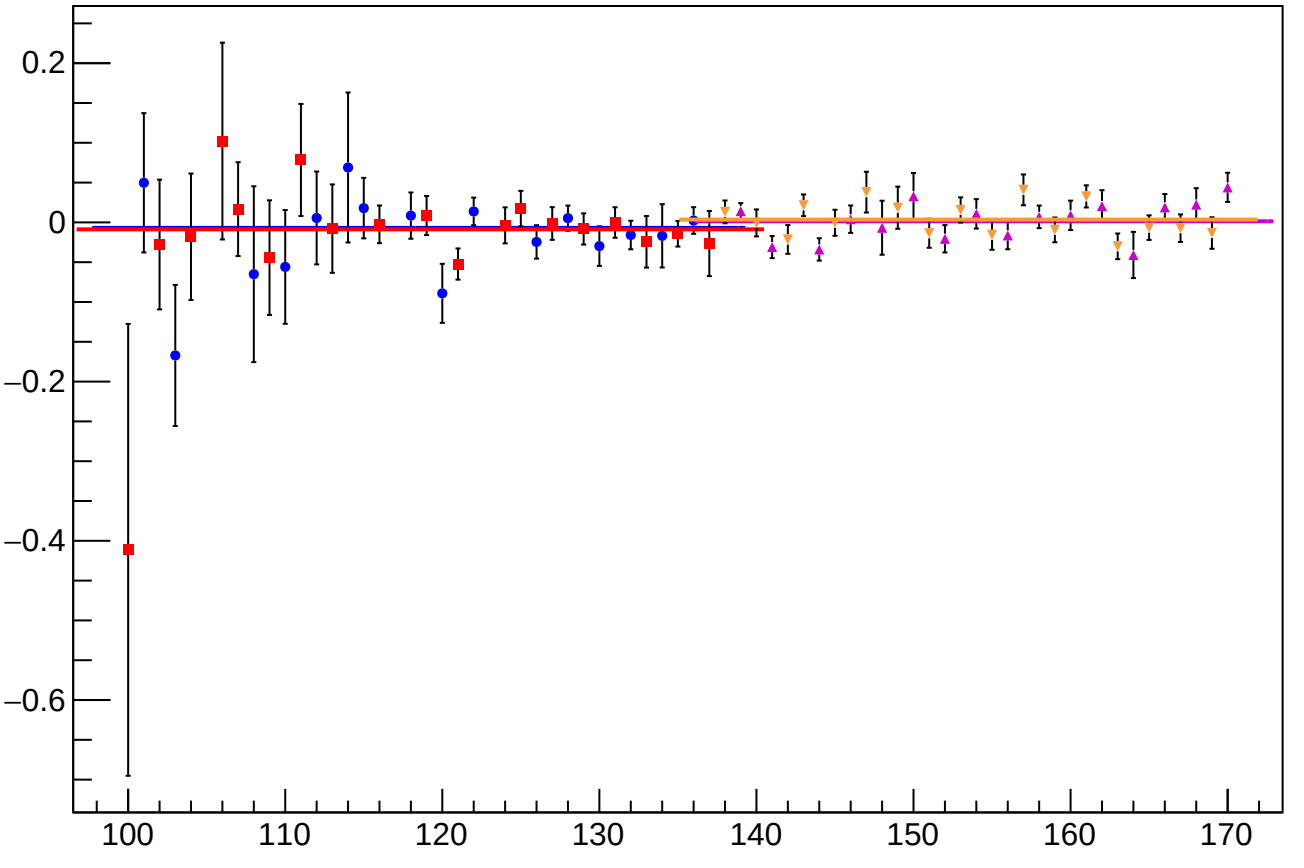
Left: 14.321+/-0.002 χ^2/NDF: 2986452.2/32

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.516+/-0.003 χ^2/NDF:5457433.1/31

Out: 14.334+/-0.002 χ^2/NDF:4612319.2/35

All: 14.421+/-0.002 χ^2/NDF: 10072420.4/67



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:23.5/16

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:28.5/15

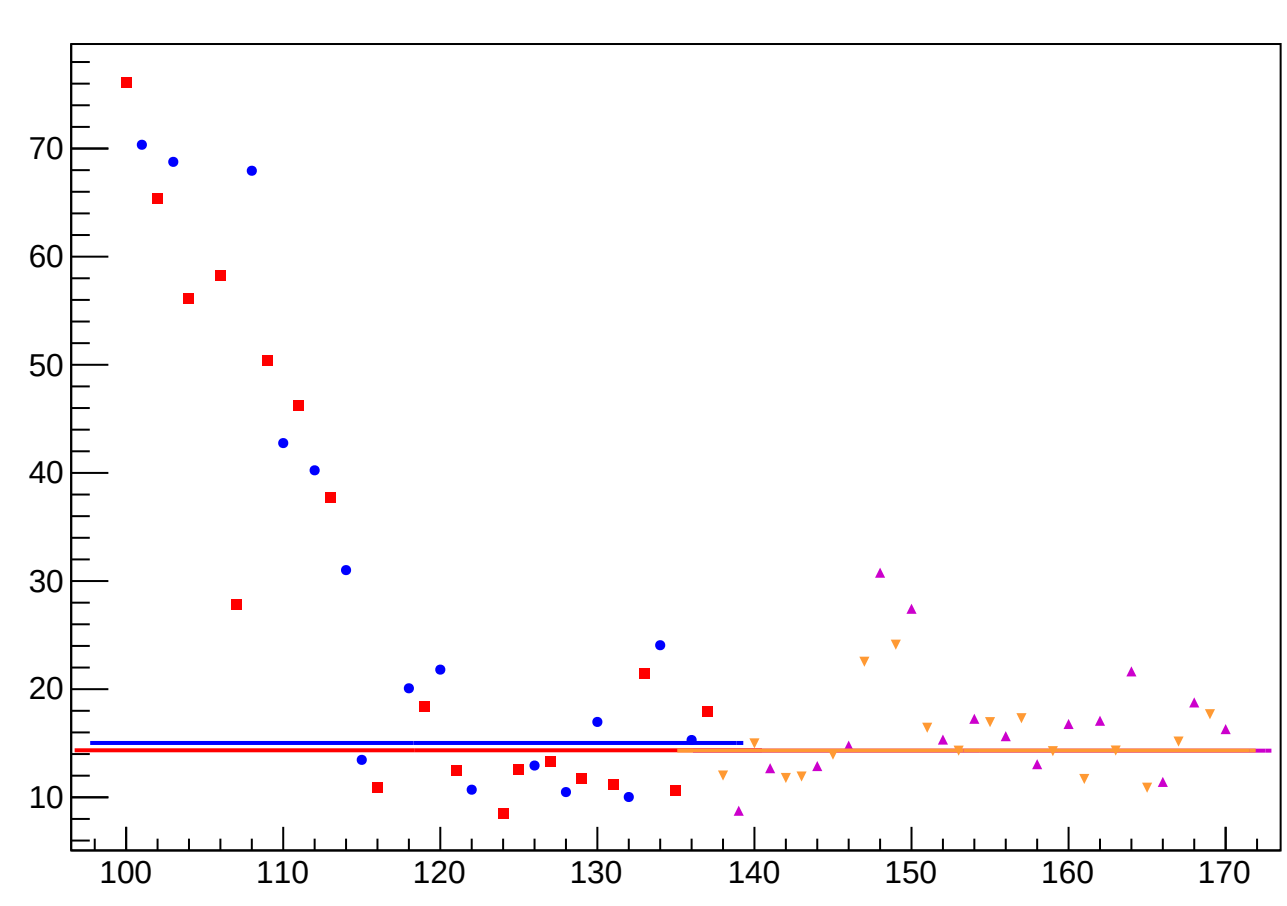
Left: 0.003+/-0.003 χ^2/NDF: 52.1/32

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: -0.000+/-0.003 χ^2/NDF:38.8/35

All: -0.000+/-0.002 χ^2/NDF: 83.3/67



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.328+/-0.003 χ^2/NDF:983289.7/16

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.314+/-0.003 χ^2/NDF:2003151.1/15

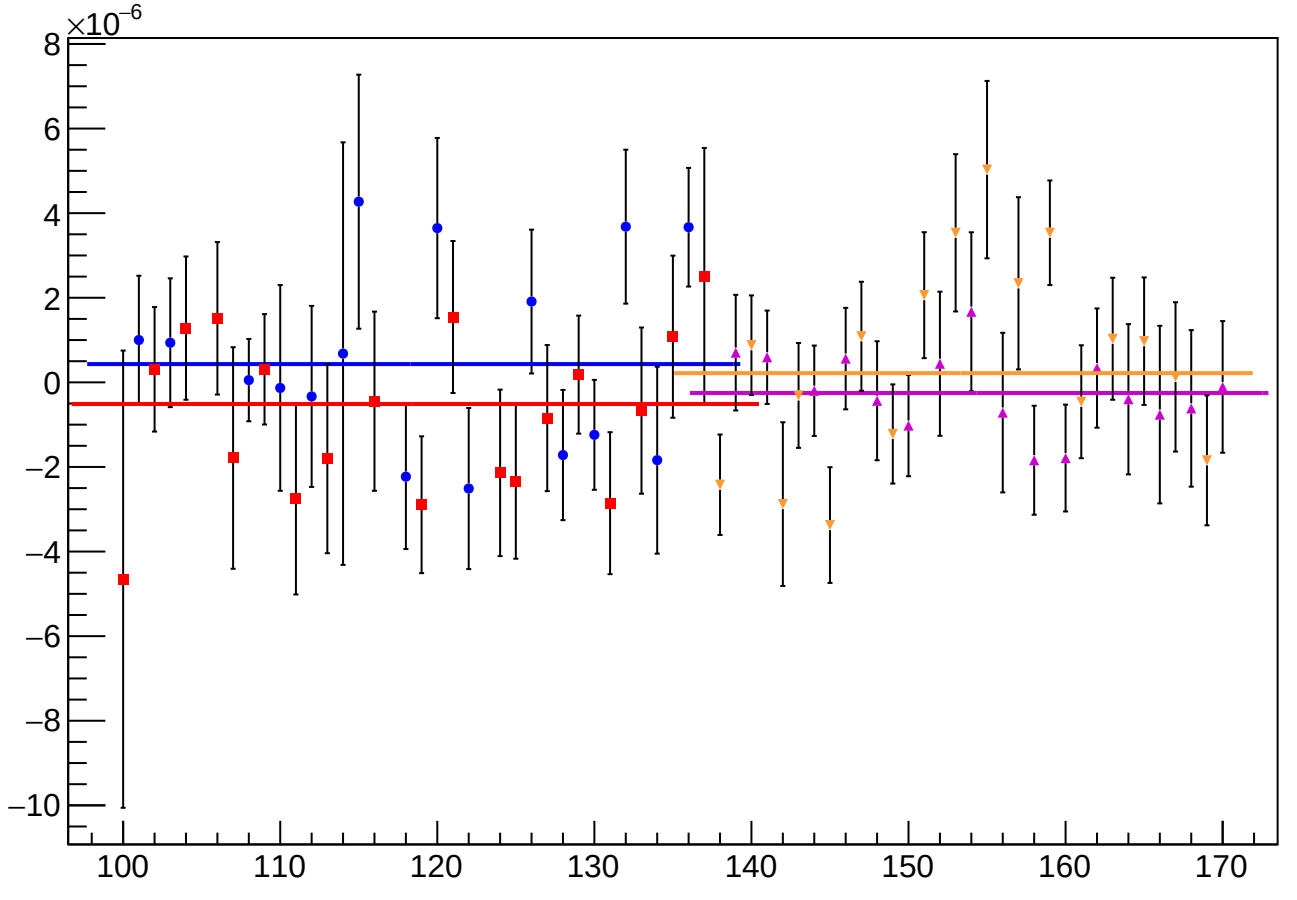
Left: 14.321+/-0.002 χ^2/NDF: 2986452.2/32

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.516+/-0.003 χ^2/NDF:5457433.1/31

Out: 14.334+/-0.002 χ^2/NDF:4612319.2/35

All: 14.421+/-0.002 χ^2/NDF: 10072420.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/15

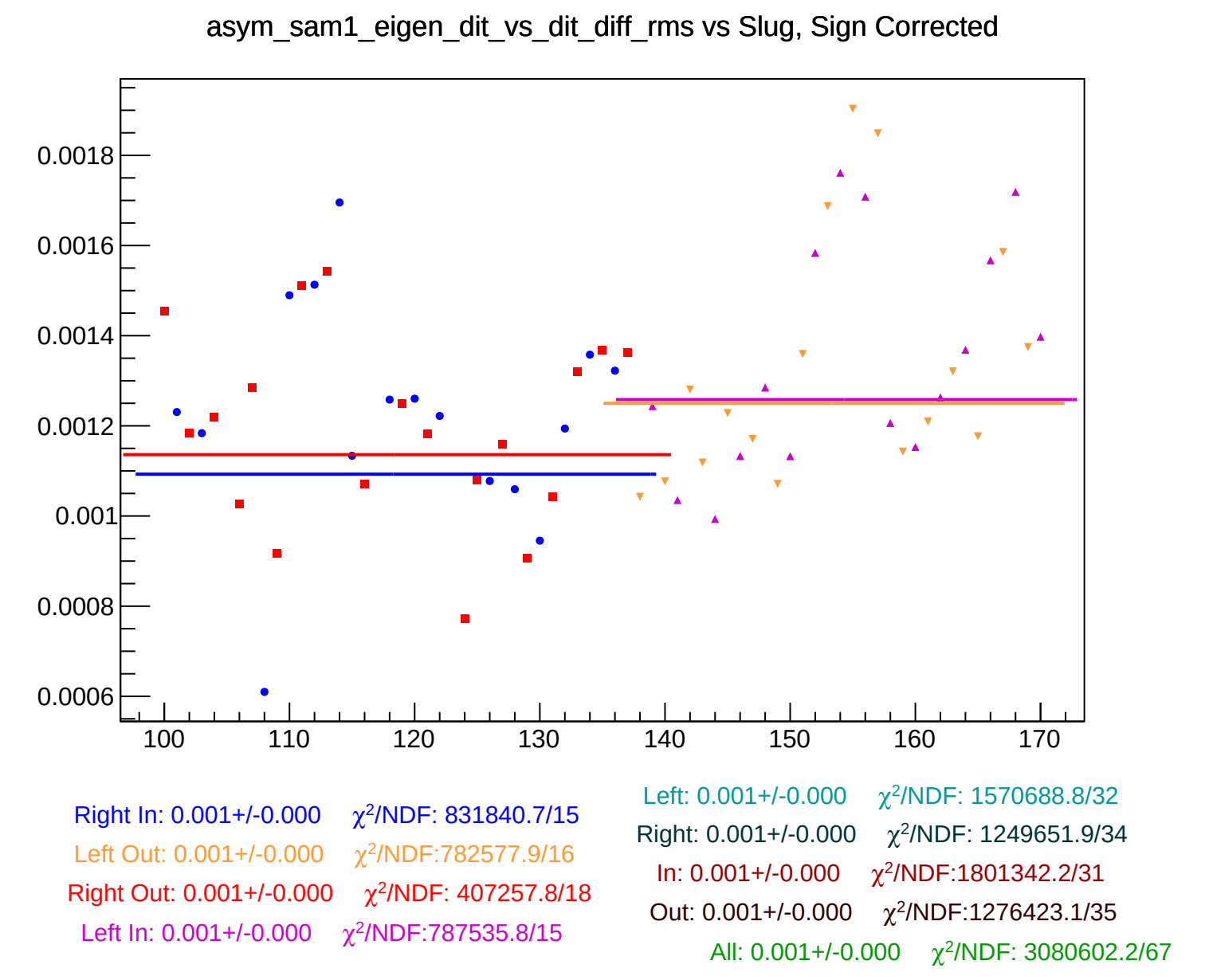
Left: -0.000+/-0.000 χ^2/NDF: 45.2/32

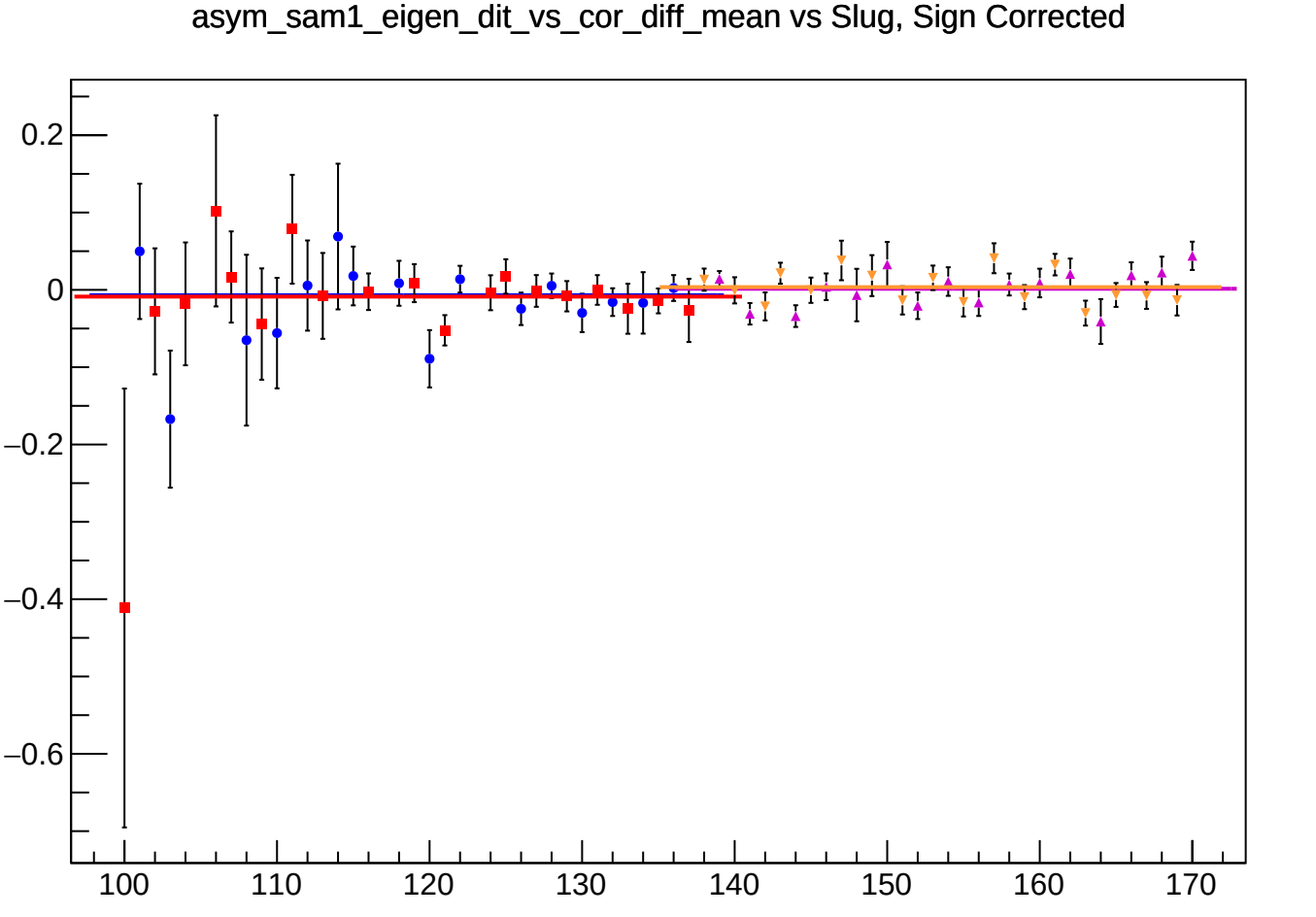
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.3/31

Out: -0.000+/-0.000 χ^2/NDF:53.8/35

All: -0.000+/-0.000 χ^2/NDF: 85.2/67


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:782577.9/16
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:787535.8/15
Left: 0.001+/-0.000 χ²/NDF: 1570688.8/32
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1801342.2/31
Out: 0.001+/-0.000 χ²/NDF:1276423.1/35
All: 0.001+/-0.000 χ²/NDF: 3080602.2/67



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:23.5/16

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:28.5/15

Left: 0.003+/-0.003 χ^2/NDF: 52.1/32

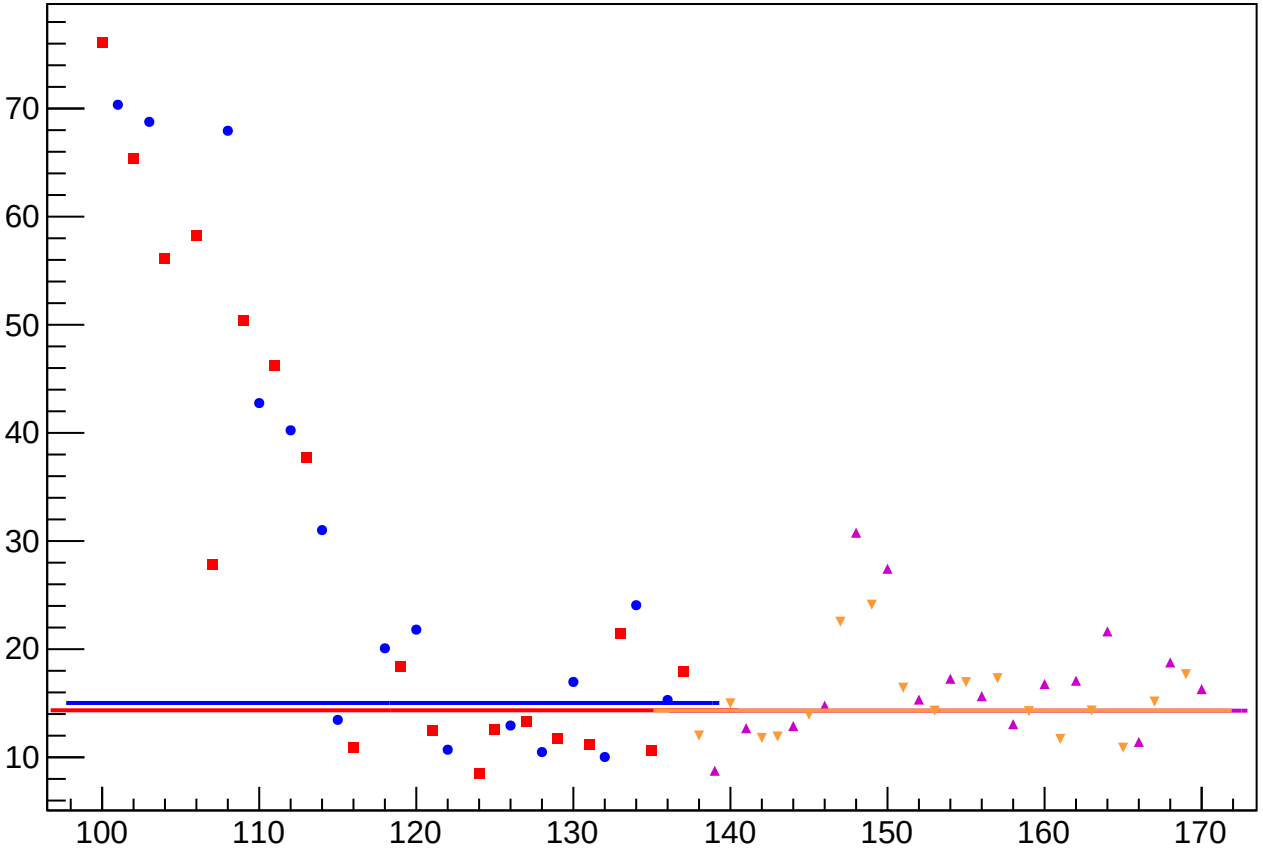
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: -0.000+/-0.003 χ^2/NDF:38.8/35

All: -0.000+/-0.002 χ^2/NDF: 83.3/67

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.328+/-0.003 χ^2/NDF:983355.4/16

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.313+/-0.003 χ^2/NDF:2003217.2/15

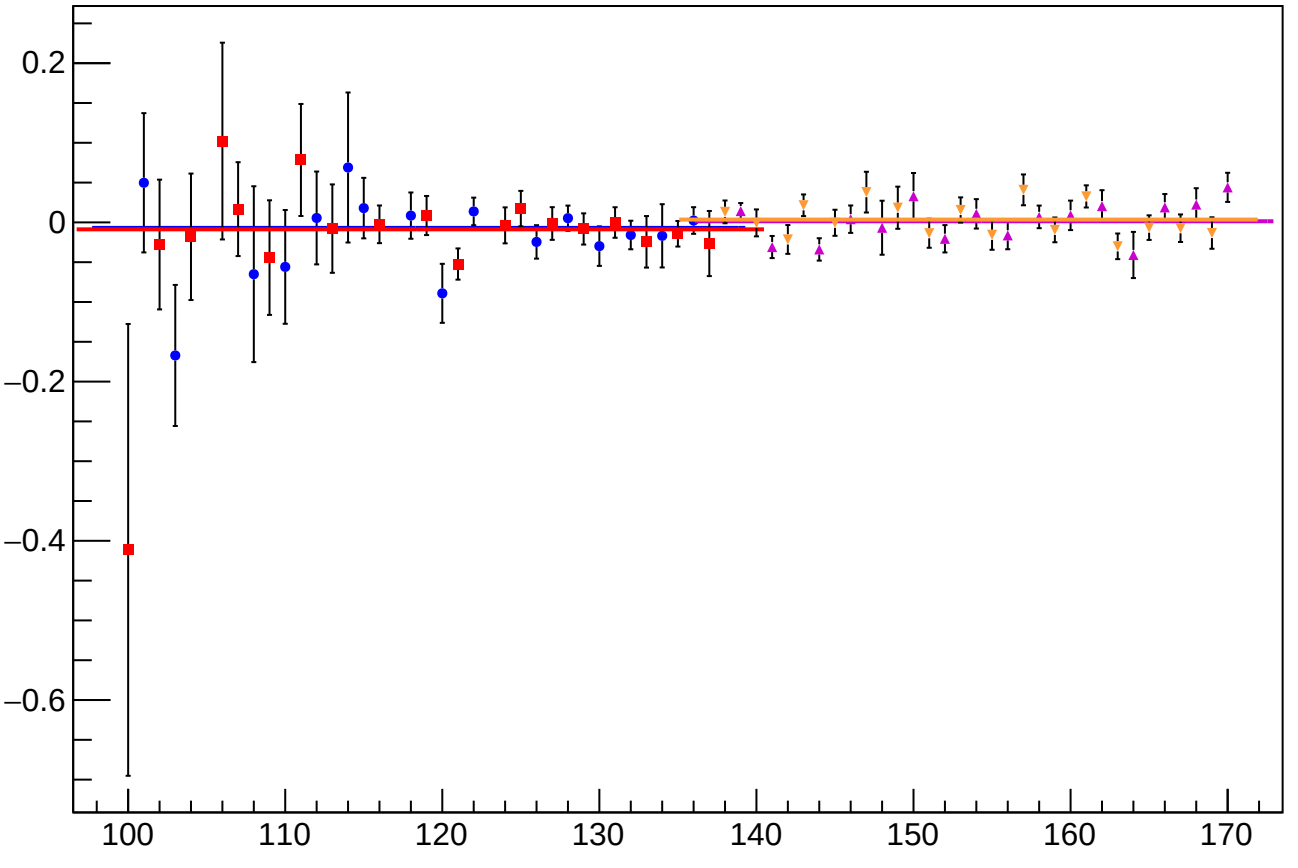
Left: 14.321+/-0.002 χ^2/NDF: 2986584.1/32

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.515+/-0.003 χ^2/NDF:5457513.7/31

Out: 14.334+/-0.002 χ^2/NDF:4612375.0/35

All: 14.421+/-0.002 χ^2/NDF: 10072556.3/67



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.004+/-0.004 χ^2/NDF:23.5/16

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.001+/-0.004 χ^2/NDF:28.5/15

Left: 0.003+/-0.003 χ^2/NDF: 52.1/32

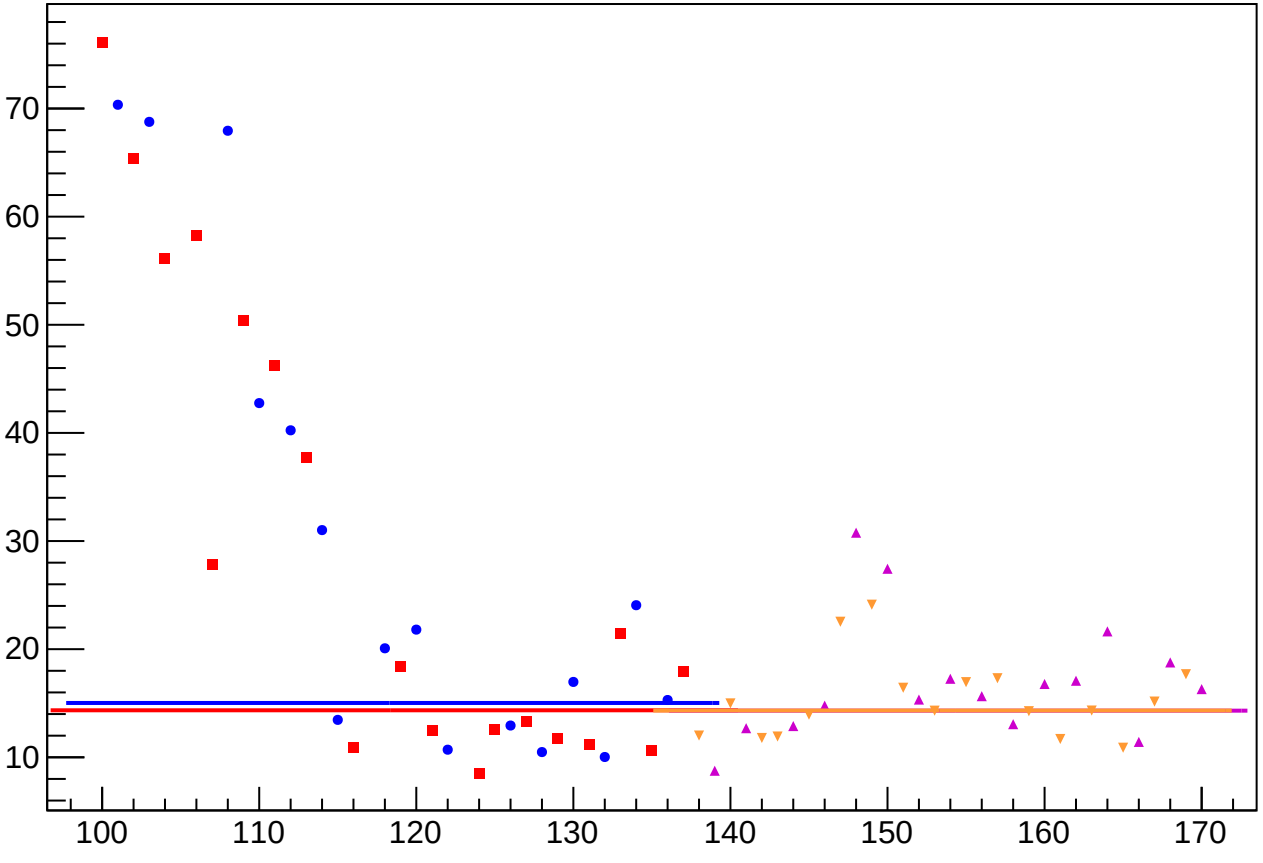
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: -0.000+/-0.003 χ^2/NDF:38.8/35

All: -0.000+/-0.002 χ^2/NDF: 83.3/67

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: 14.328+/-0.003 χ^2/NDF:983355.4/16

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.313+/-0.003 χ^2/NDF:2003217.2/15

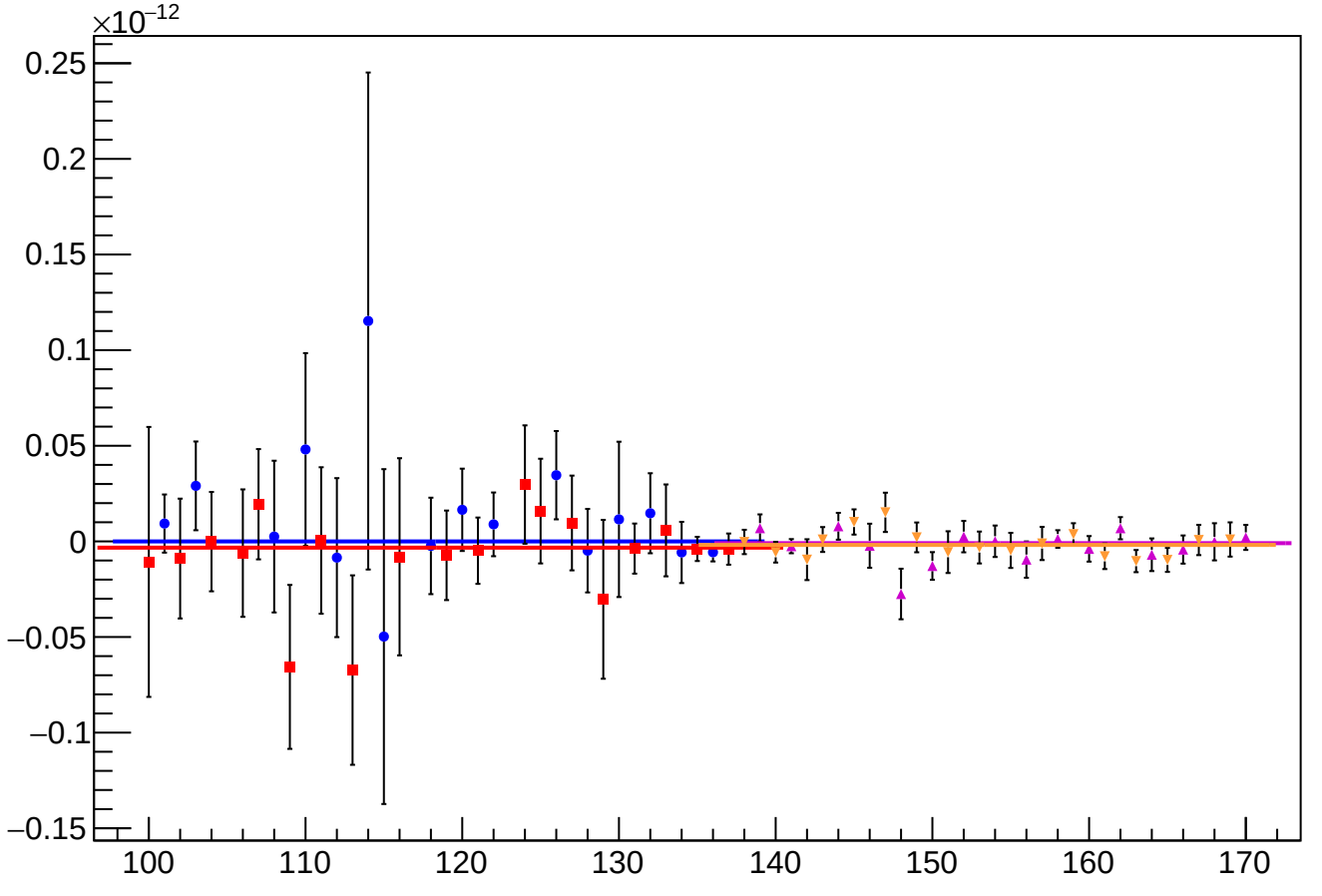
Left: 14.321+/-0.002 χ^2/NDF: 2986584.1/32

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.515+/-0.003 χ^2/NDF:5457513.7/31

Out: 14.334+/-0.002 χ^2/NDF:4612375.0/35

All: 14.421+/-0.002 χ^2/NDF: 10072556.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/15

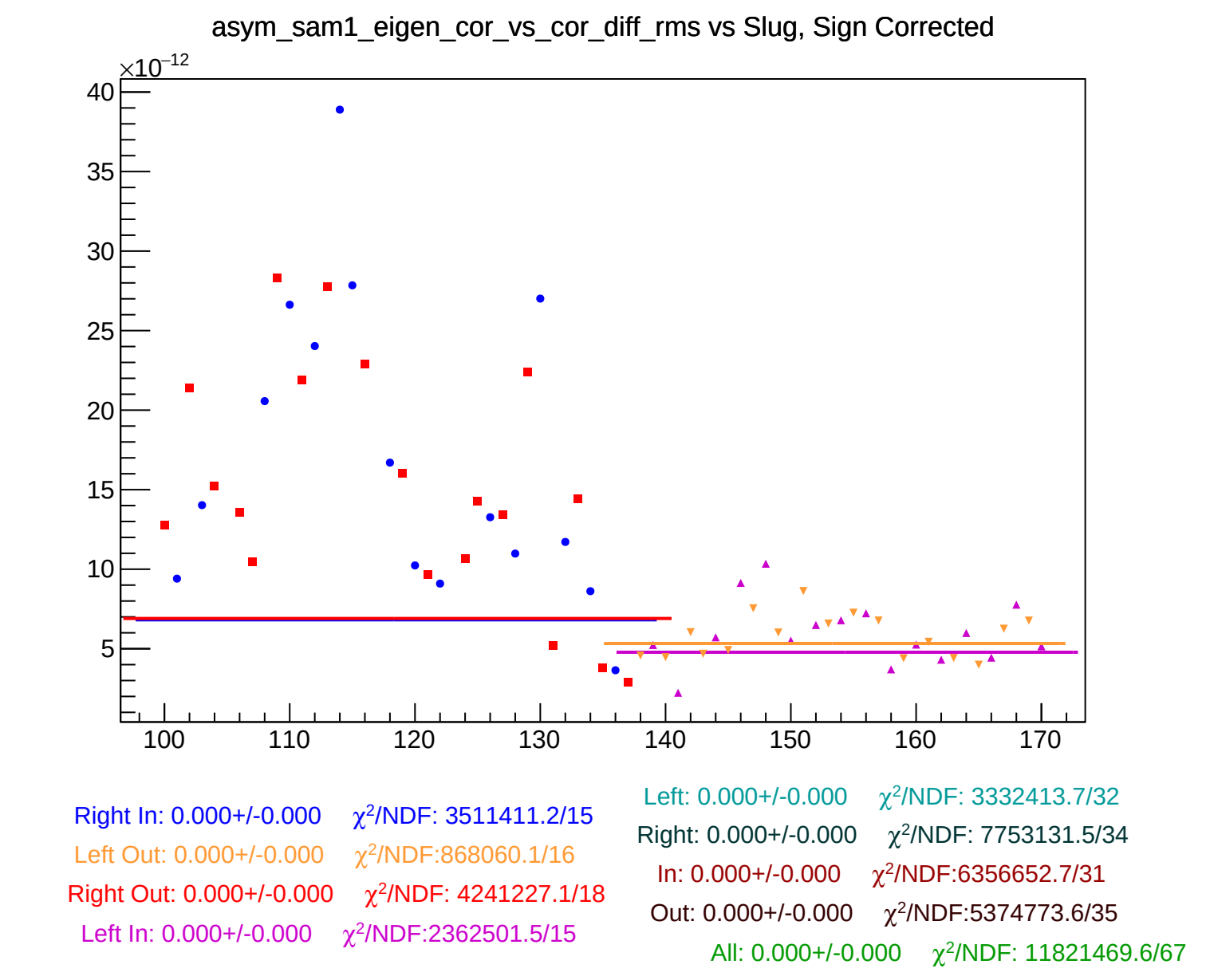
Left: -0.000+/-0.000 χ^2/NDF: 27.5/32

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

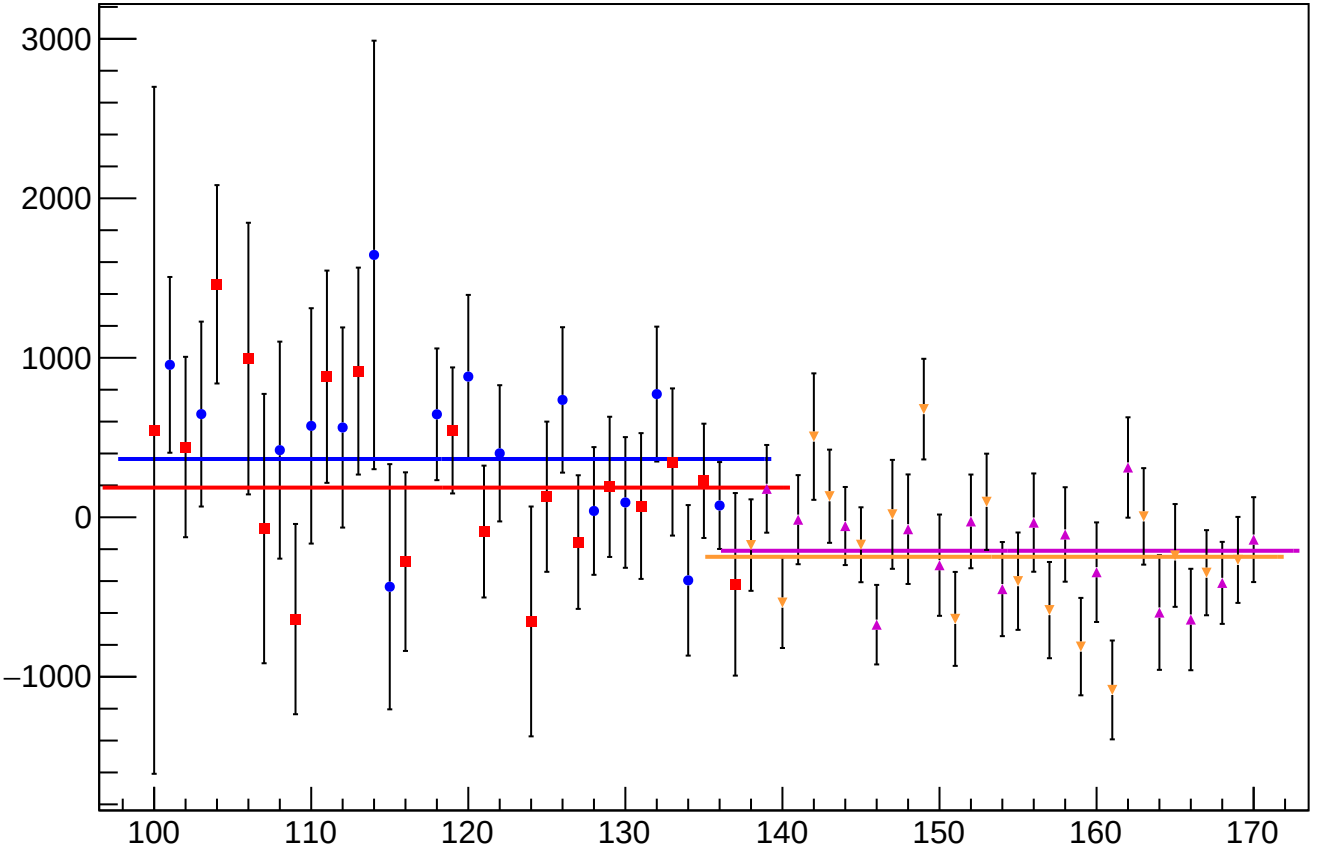
In: -0.000+/-0.000 χ^2/NDF:23.2/31

Out: -0.000+/-0.000 χ^2/NDF:20.6/35

All: -0.000+/-0.000 χ^2/NDF: 44.2/67


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:868060.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2362501.5/15
Left: 0.000+/-0.000 χ²/NDF: 3332413.7/32
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6356652.7/31
Out: 0.000+/-0.000 χ²/NDF:5374773.6/35
All: 0.000+/-0.000 χ²/NDF: 11821469.6/67

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -247.839+/-71.979 χ^2/NDF:31.7/16

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -209.939+/-72.658 χ^2/NDF:14.7/15

Left: -229.067+/-51.135 χ^2/NDF: 46.6/32

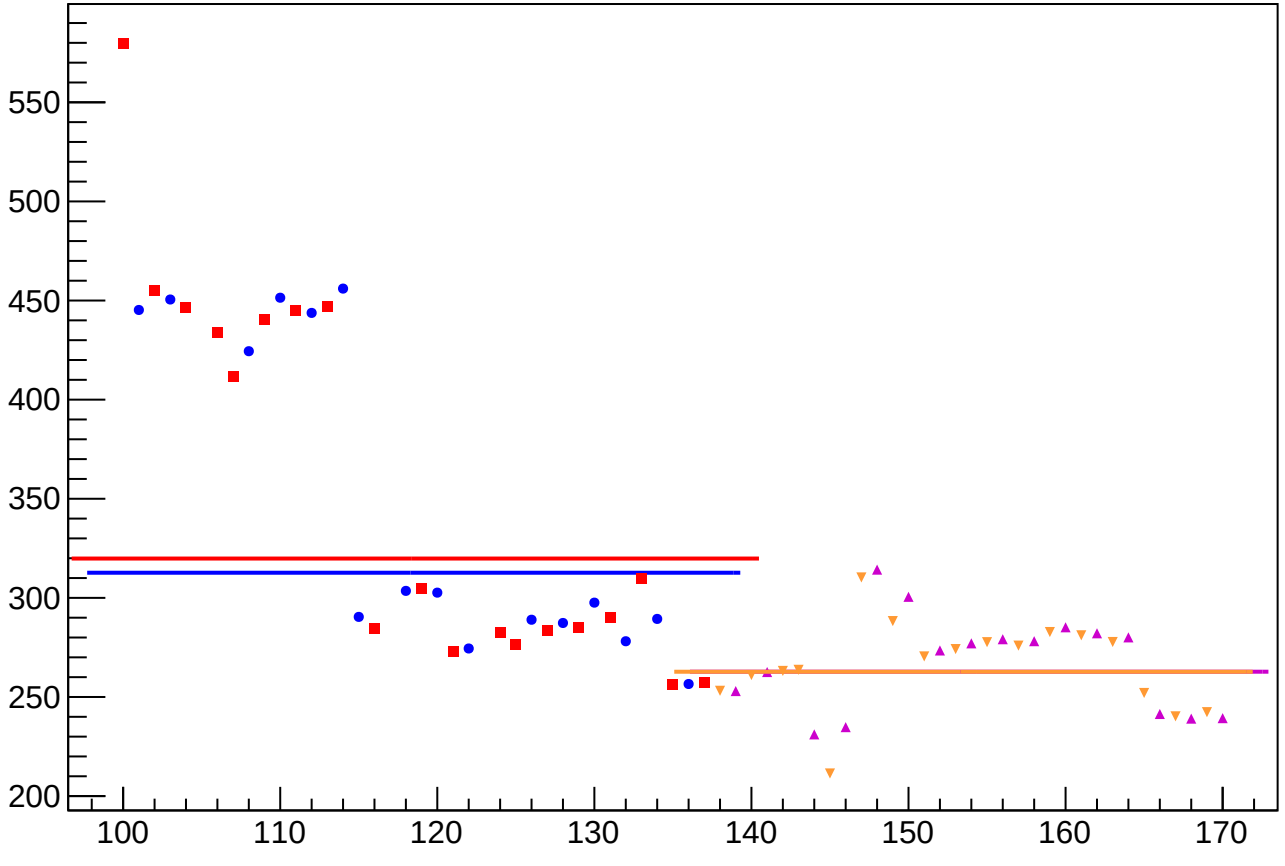
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -53.417+/-61.995 χ^2/NDF:43.2/31

Out: -133.276+/-61.751 χ^2/NDF:56.3/35

All: -93.503+/-43.751 χ^2/NDF: 100.4/67

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 262.739+/-0.051 χ^2/NDF:210992.1/16

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

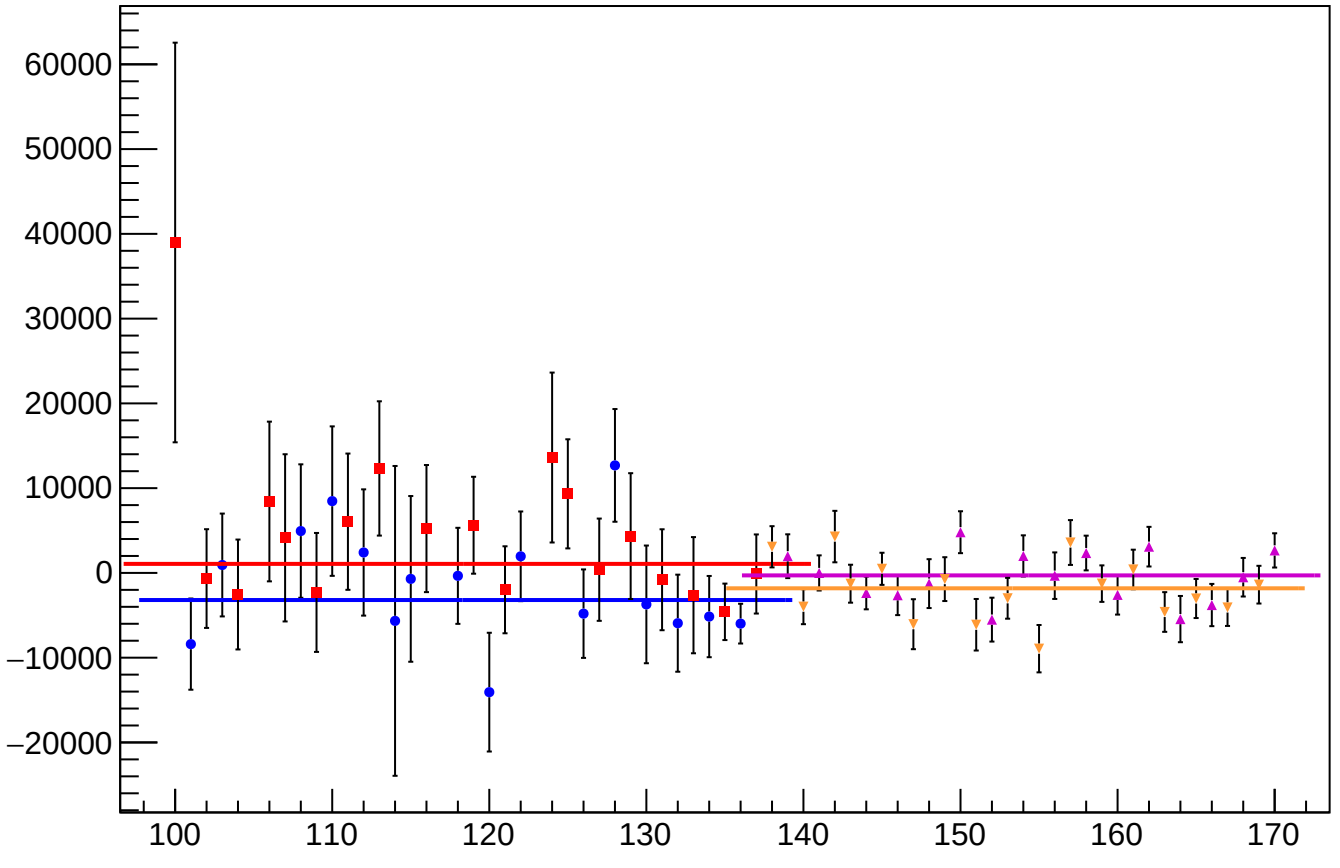
Left: 262.746+/-0.036 χ^2/NDF: 427705.4/32

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 276.333+/-0.044 χ^2/NDF:1075793.3/31

Out: 277.813+/-0.044 χ^2/NDF:1241143.3/35

All: 277.076+/-0.031 χ^2/NDF: 2317508.4/67



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1815.206+/-578.369 χ^2/NDF:29.7/16

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -292.228+/-586.558 χ^2/NDF:24.7/15

Left: -1064.422+/-411.833 χ^2/NDF: 57.8/32

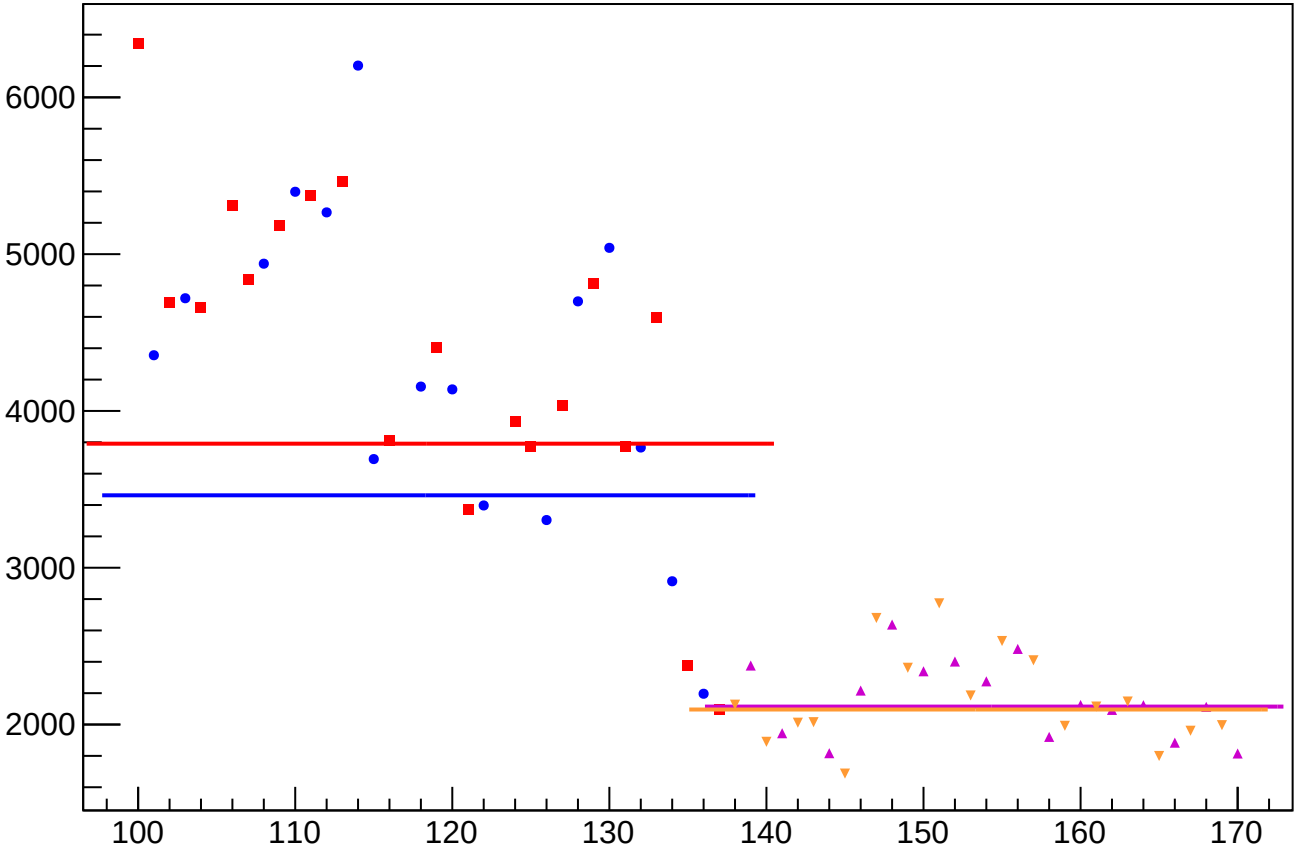
Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -751.599+/-538.213 χ^2/NDF:44.6/31

Out: -1416.573+/-536.869 χ^2/NDF:47.5/35

All: -1084.918+/-380.098 χ^2/NDF: 92.9/67

asym_sam2_reg_correction_rms vs Slug, Sign Corrected



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2095.759+/-0.409 χ^2/NDF:446734.6/16

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2114.383+/-0.415 χ^2/NDF:315931.0/15

Left: 2104.940+/-0.291 χ^2/NDF: 763688.0/32

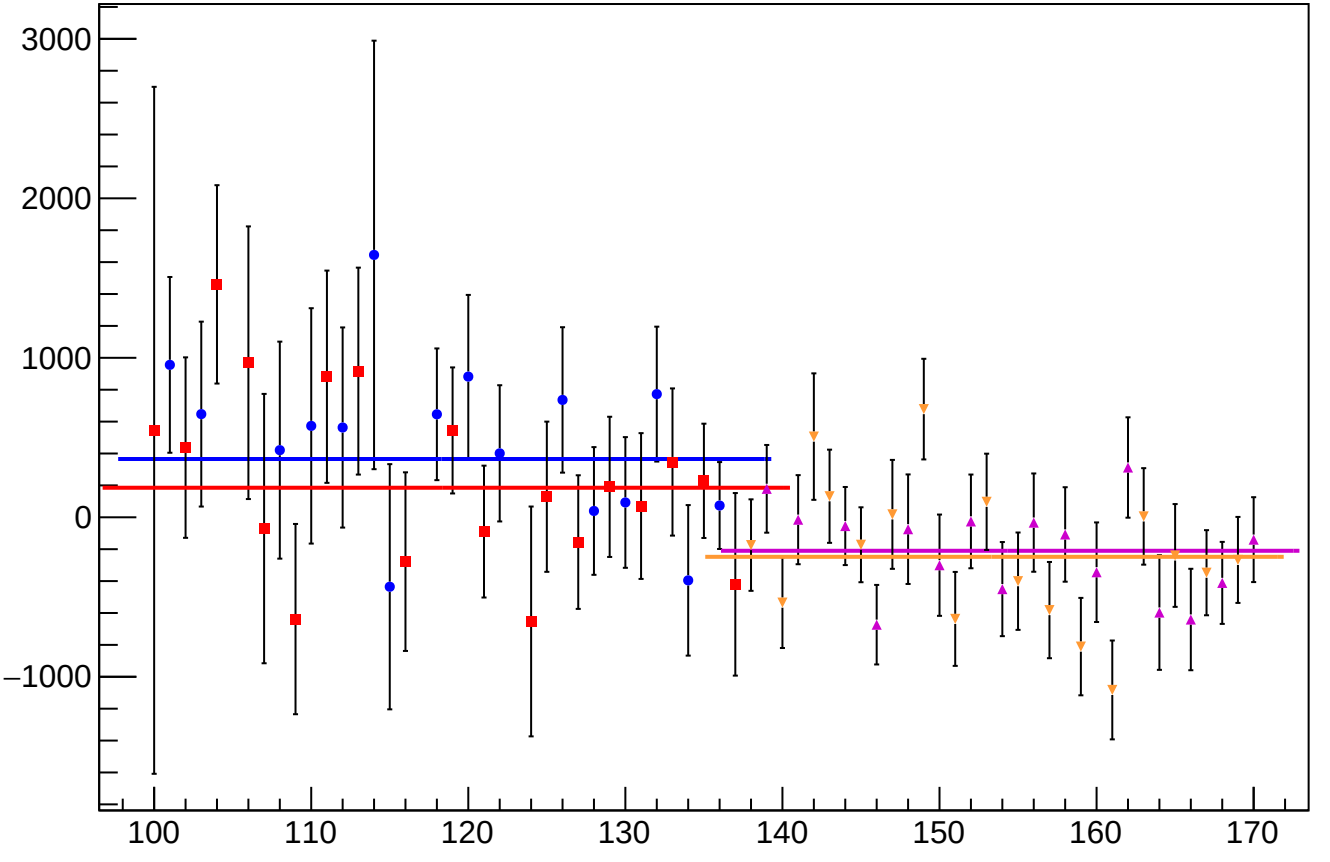
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2327.360+/-0.381 χ^2/NDF:3293855.3/31

Out: 2330.339+/-0.380 χ^2/NDF:3980407.3/35

All: 2328.854+/-0.269 χ^2/NDF: 7274293.3/67

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -247.835+/-71.979 χ^2/NDF:31.7/16

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -209.943+/-72.658 χ^2/NDF:14.7/15

Left: -229.067+/-51.135 χ^2/NDF: 46.6/32

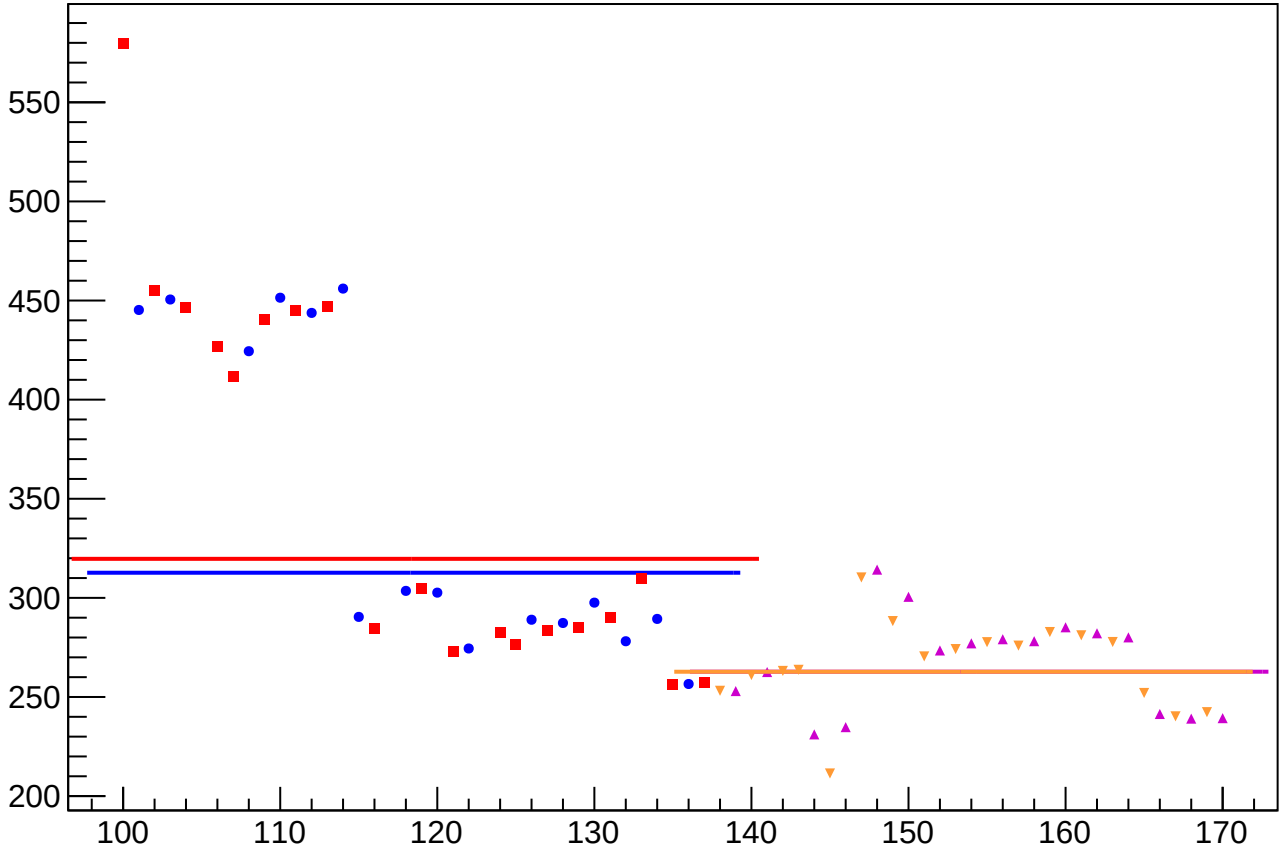
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -53.425+/-61.995 χ^2/NDF:43.2/31

Out: -133.503+/-61.753 χ^2/NDF:56.2/35

All: -93.620+/-43.751 χ^2/NDF: 100.3/67

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.739+/-0.051 χ^2/NDF:210992.1/16

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

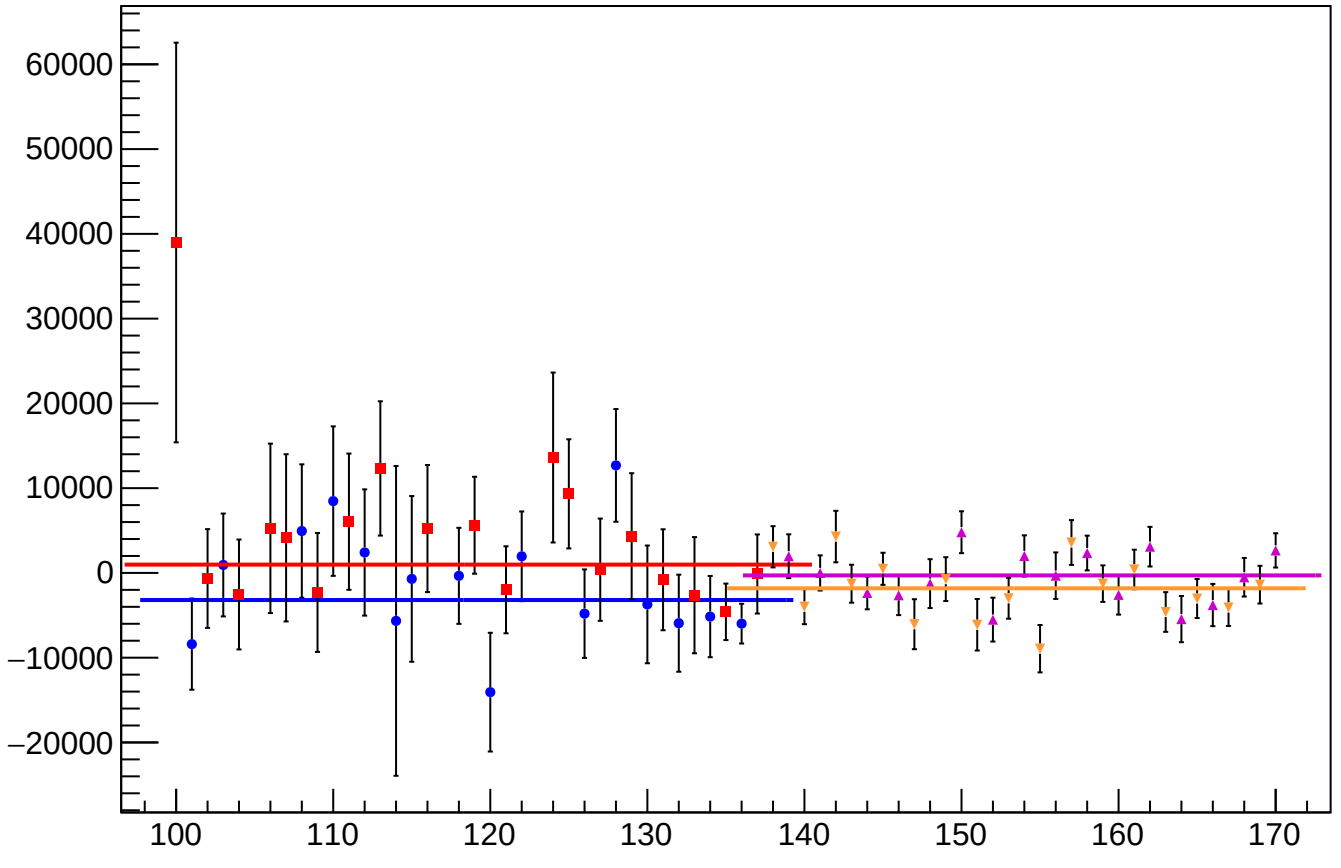
Left: 262.746+/-0.036 χ^2/NDF: 427705.4/32

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 276.333+/-0.044 χ^2/NDF:1075794.9/31

Out: 277.772+/-0.044 χ^2/NDF:1235212.5/35

All: 277.055+/-0.031 χ^2/NDF: 2311547.8/67



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1815.199+/-578.369 χ^2/NDF:29.7/16

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -292.221+/-586.558 χ^2/NDF:24.7/15

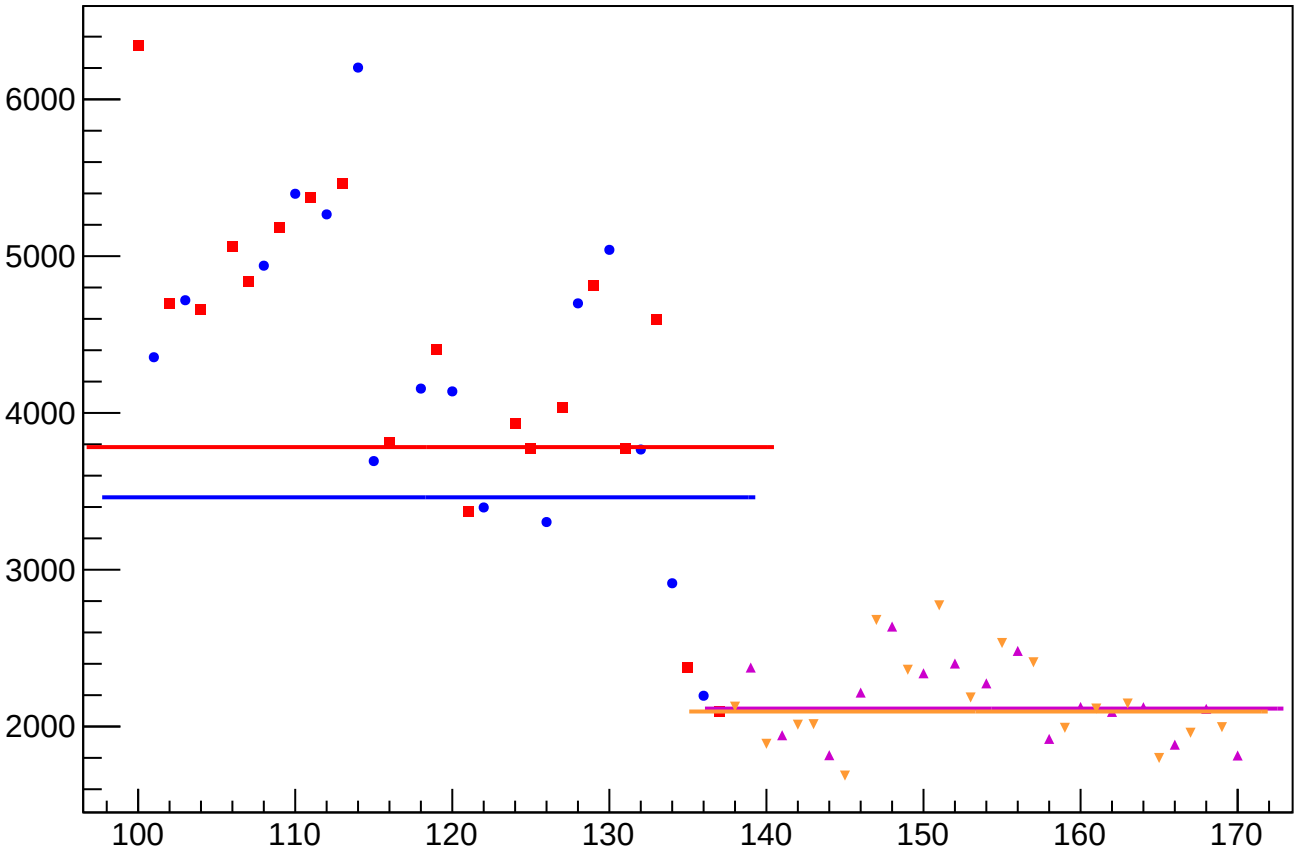
Left: -1064.415+/-411.833 χ^2/NDF: 57.8/32

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -751.580+/-538.213 χ^2/NDF:44.6/31

Out: -1429.222+/-536.969 χ^2/NDF:46.9/35

All: -1091.186+/-380.133 χ^2/NDF: 92.3/67



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2095.759+/-0.409 χ^2/NDF:446735.3/16

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2114.383+/-0.415 χ^2/NDF:315932.1/15

Left: 2104.940+/-0.291 χ^2/NDF: 763689.8/32

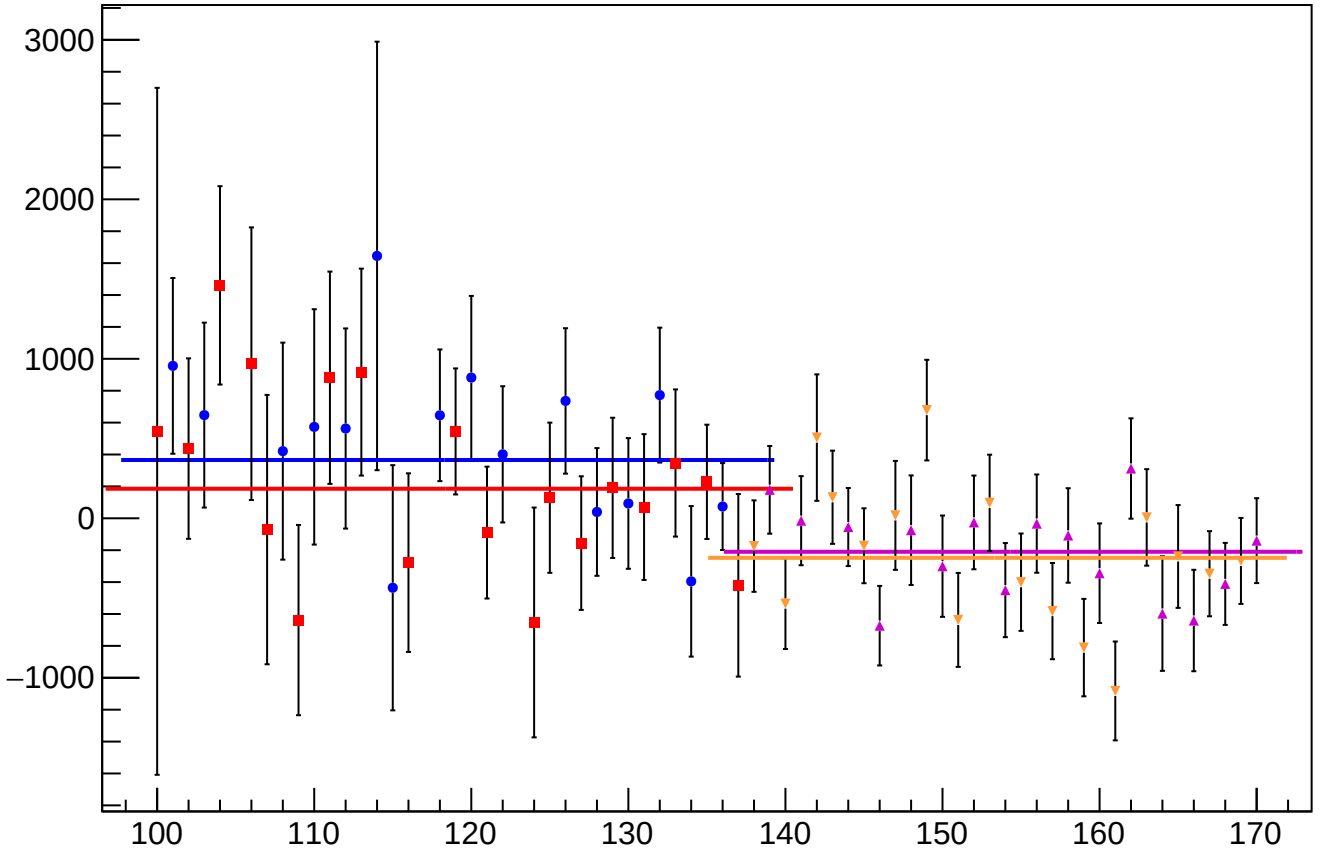
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2327.361+/-0.381 χ^2/NDF:3293875.1/31

Out: 2328.551+/-0.380 χ^2/NDF:3930292.6/35

All: 2327.957+/-0.269 χ^2/NDF: 7224172.6/67

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -247.835+/-71.979 χ^2/NDF:31.7/16

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -209.943+/-72.658 χ^2/NDF:14.7/15

Left: -229.067+/-51.135 χ^2/NDF: 46.6/32

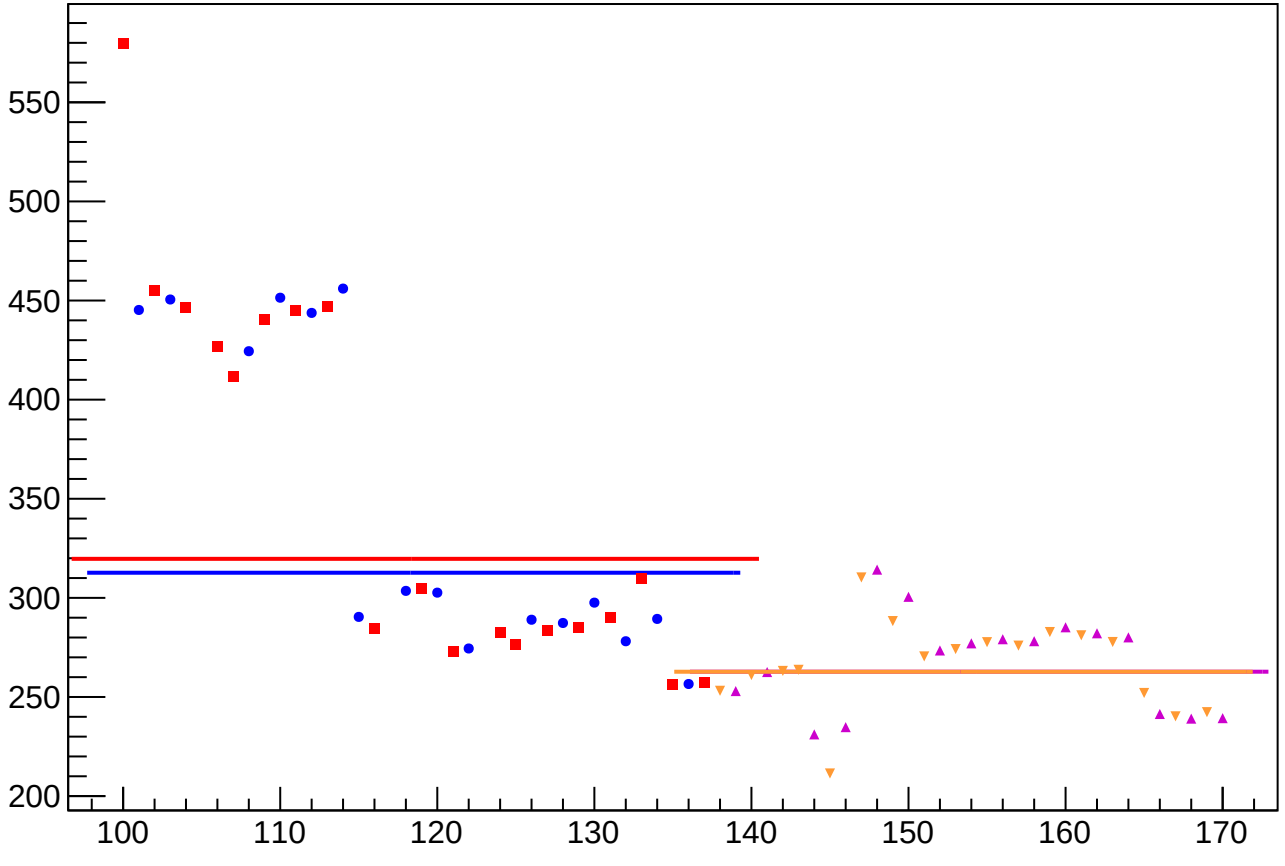
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -53.425+/-61.995 χ^2/NDF:43.2/31

Out: -133.503+/-61.753 χ^2/NDF:56.2/35

All: -93.620+/-43.751 χ^2/NDF: 100.3/67

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.739+/-0.051 χ^2/NDF:210992.1/16

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

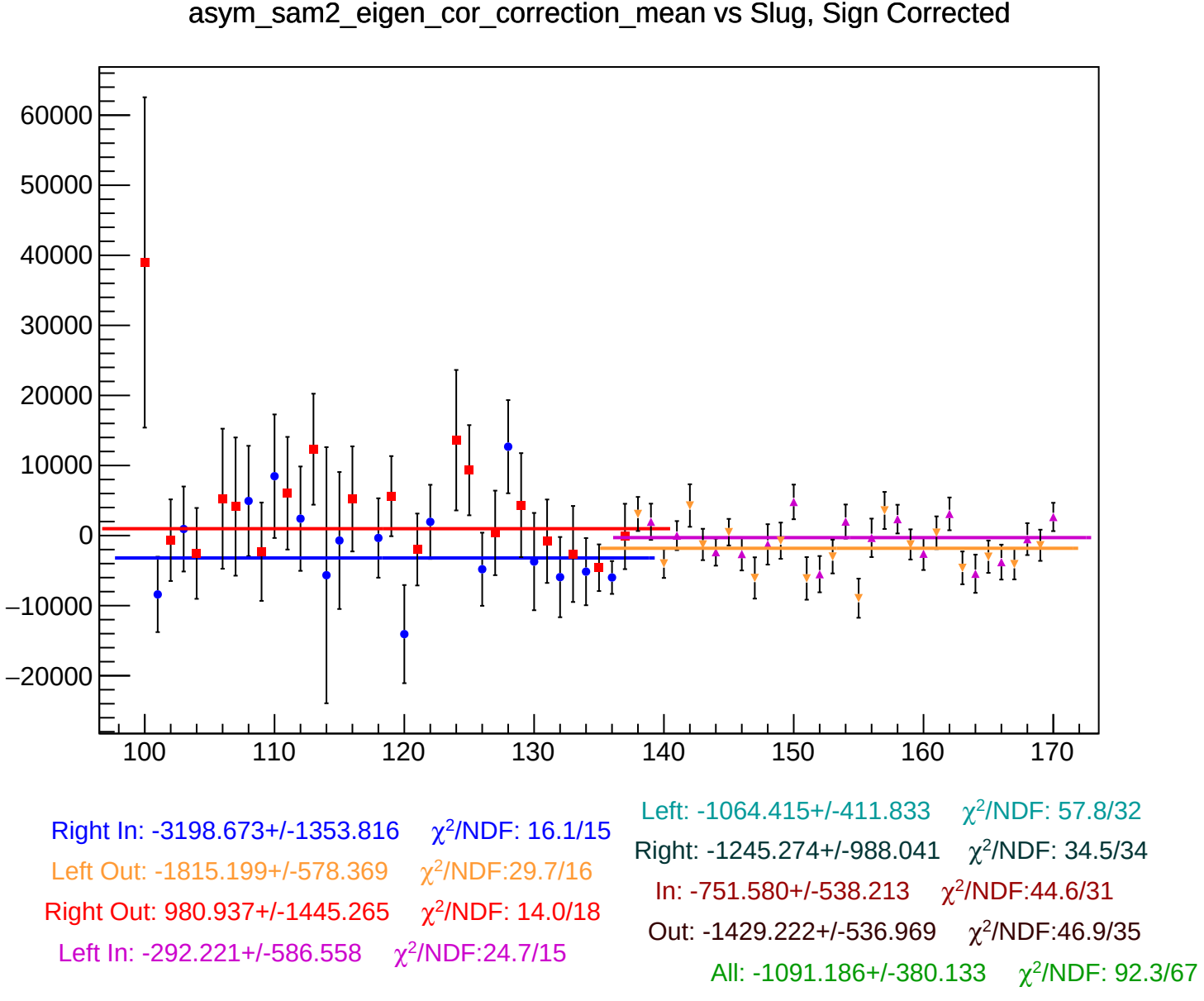
Left: 262.746+/-0.036 χ^2/NDF: 427705.4/32

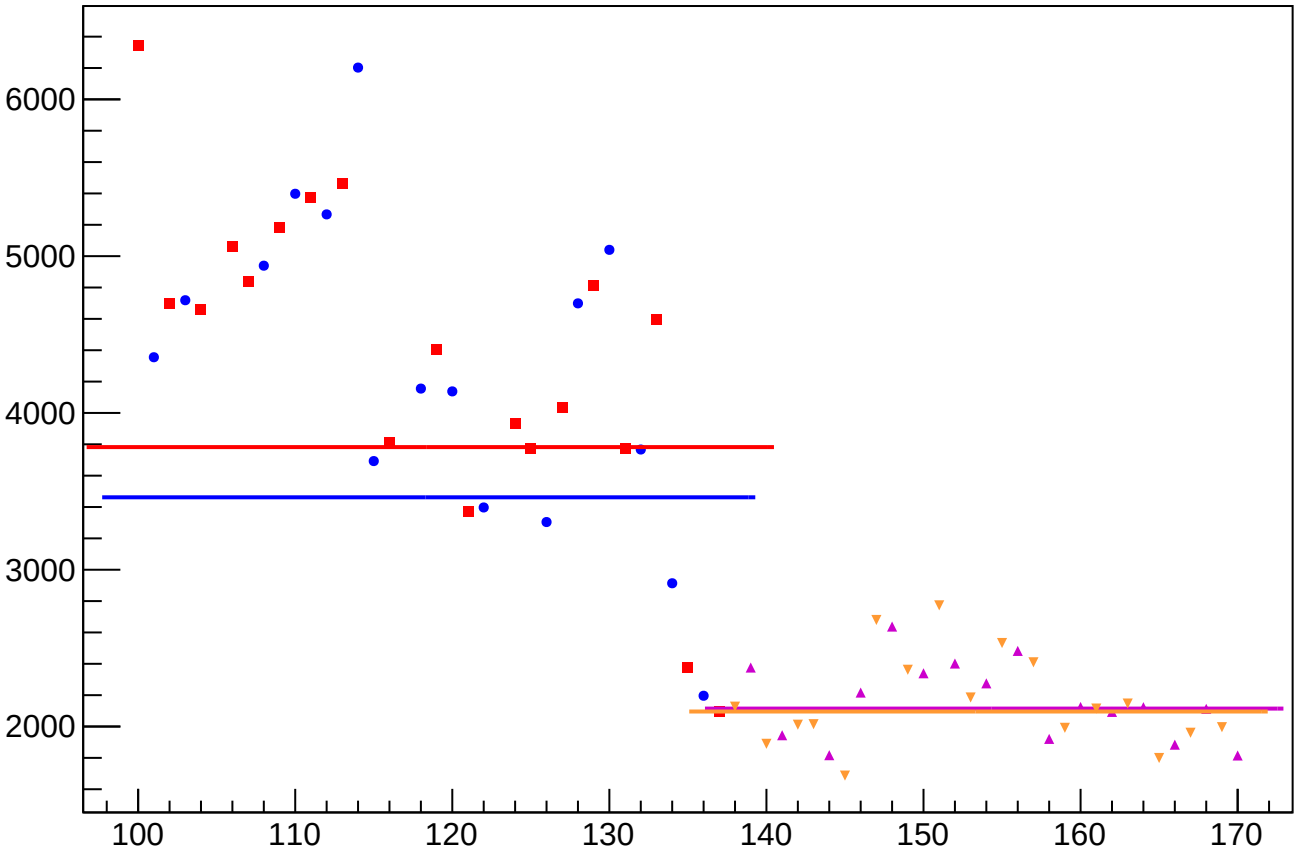
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 276.333+/-0.044 χ^2/NDF:1075794.9/31

Out: 277.772+/-0.044 χ^2/NDF:1235212.5/35

All: 277.055+/-0.031 χ^2/NDF: 2311547.8/67


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1815.199+/-578.369 χ²/NDF:29.7/16
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -292.221+/-586.558 χ²/NDF:24.7/15
Left: -1064.415+/-411.833 χ²/NDF: 57.8/32
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -751.580+/-538.213 χ²/NDF:44.6/31
Out: -1429.222+/-536.969 χ²/NDF:46.9/35
All: -1091.186+/-380.133 χ²/NDF: 92.3/67



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2095.759+/-0.409 χ^2/NDF:446735.3/16

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2114.383+/-0.415 χ^2/NDF:315932.1/15

Left: 2104.940+/-0.291 χ^2/NDF: 763689.8/32

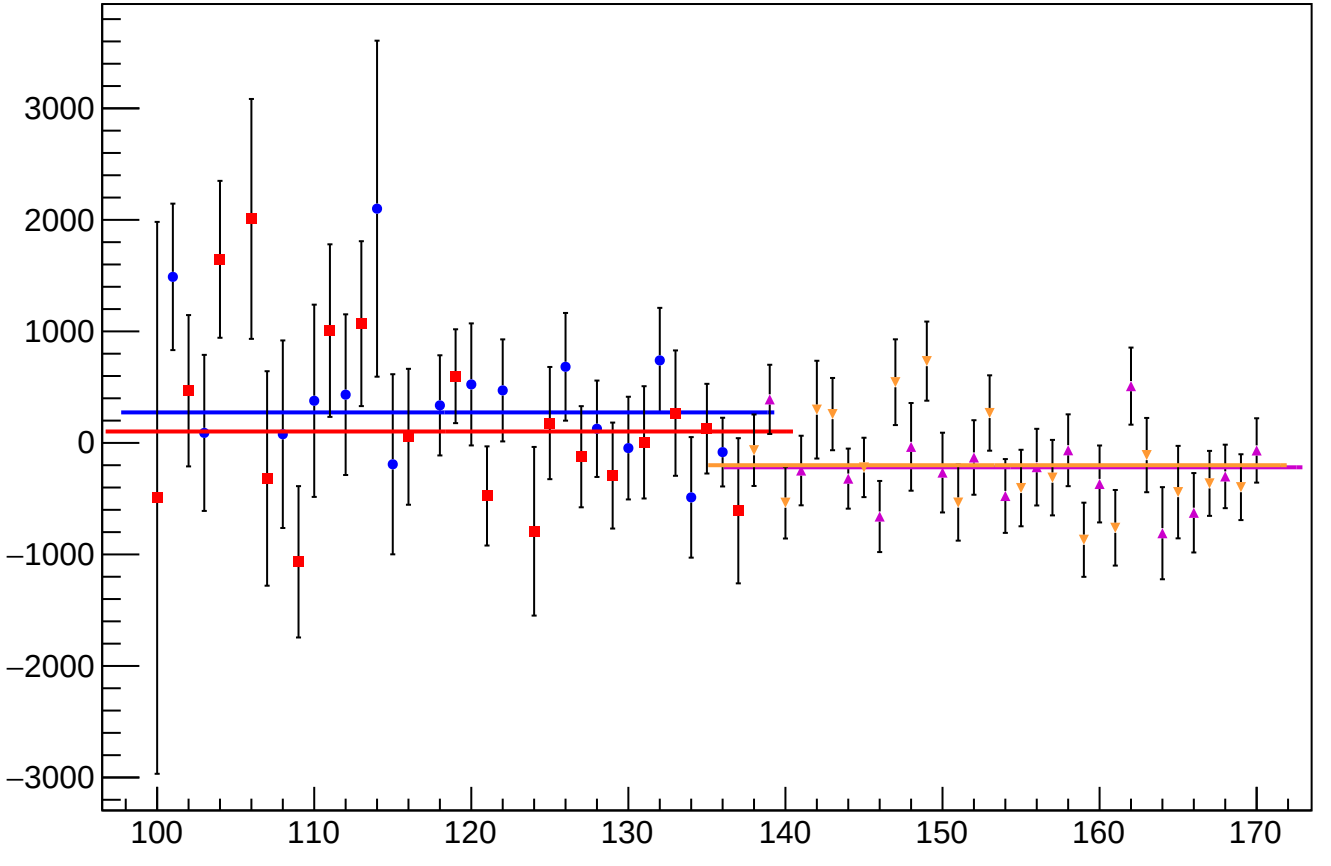
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2327.361+/-0.381 χ^2/NDF:3293875.1/31

Out: 2328.551+/-0.380 χ^2/NDF:3930292.6/35

All: 2327.957+/-0.269 χ^2/NDF: 7224172.6/67

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -199.986+/-80.738 χ^2/NDF:26.5/16

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -218.737+/-81.746 χ^2/NDF:15.4/15

Left: -209.245+/-57.443 χ^2/NDF: 42.0/32

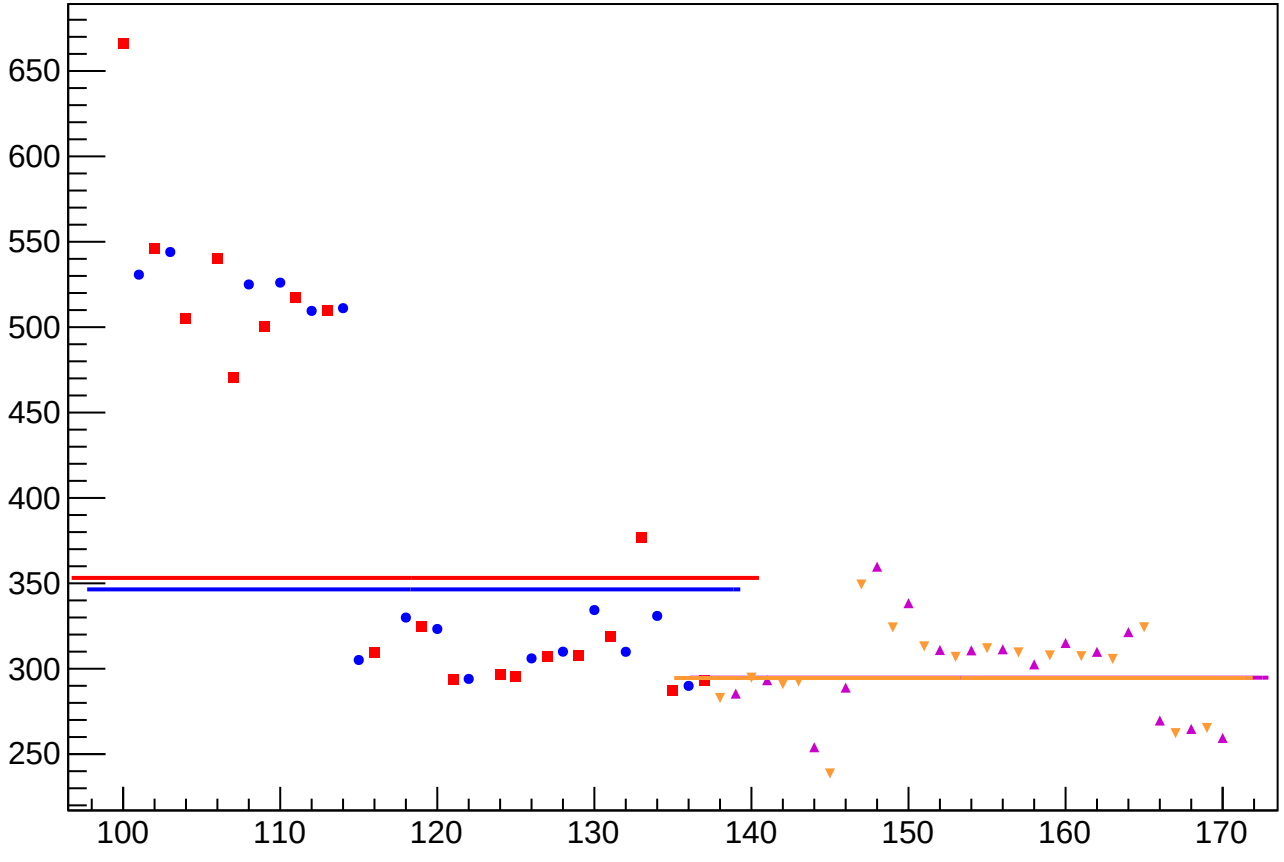
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -83.065+/-69.576 χ^2/NDF:36.8/31

Out: -119.108+/-69.101 χ^2/NDF:51.6/35

All: -101.210+/-49.029 χ^2/NDF: 88.6/67

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 294.570+/-0.057 χ^2/NDF:225966.0/16

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 294.767+/-0.058 χ^2/NDF:229154.2/15

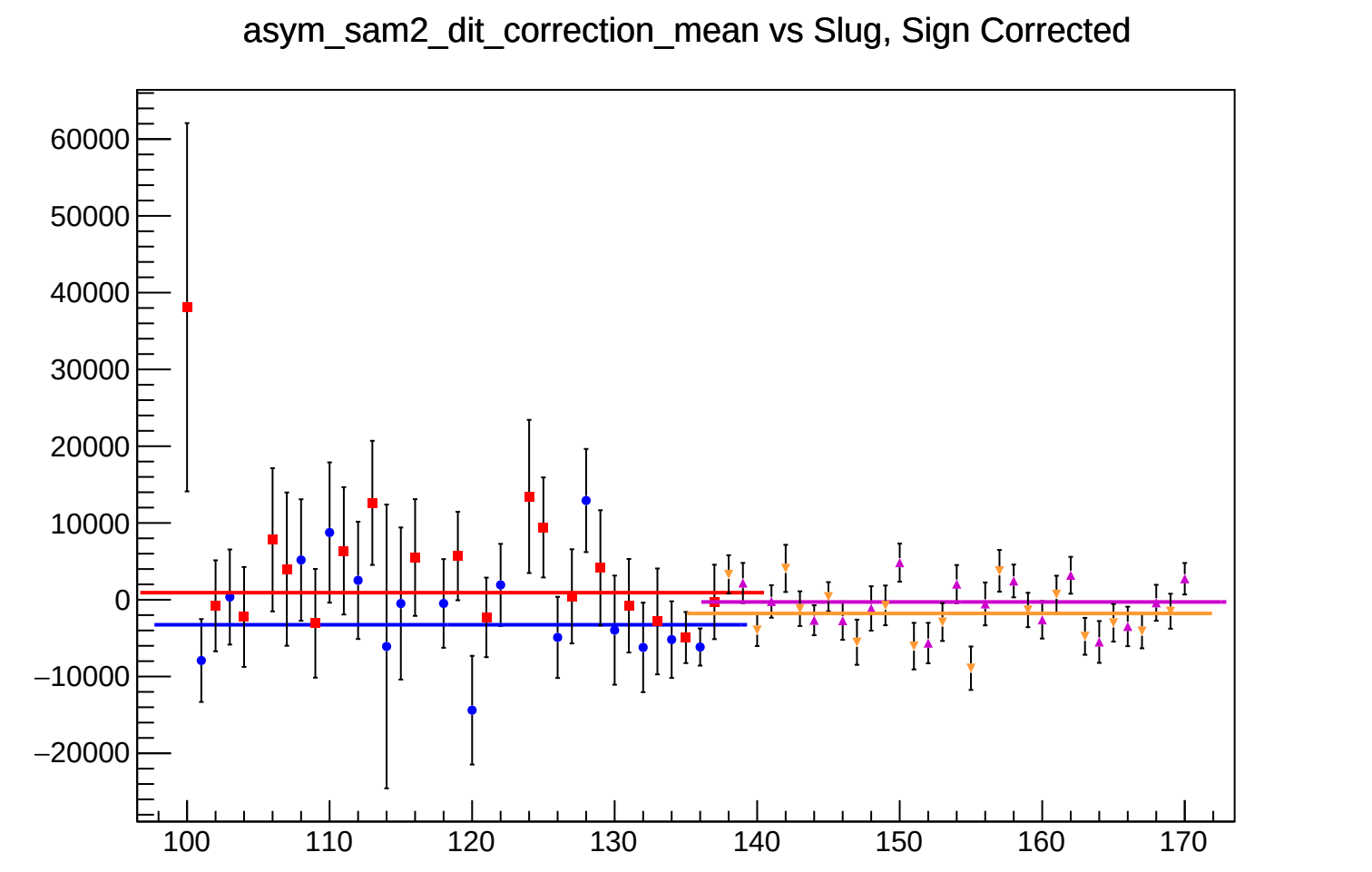
Left: 294.667+/-0.041 χ^2/NDF: 455126.0/32

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 309.011+/-0.049 χ^2/NDF:1218275.9/31

Out: 310.247+/-0.049 χ^2/NDF:1374230.5/35

All: 309.633+/-0.035 χ^2/NDF: 2592824.4/67



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1786.013+/-590.063 χ^2/NDF:28.8/16

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -288.835+/-600.426 χ^2/NDF:24.7/15

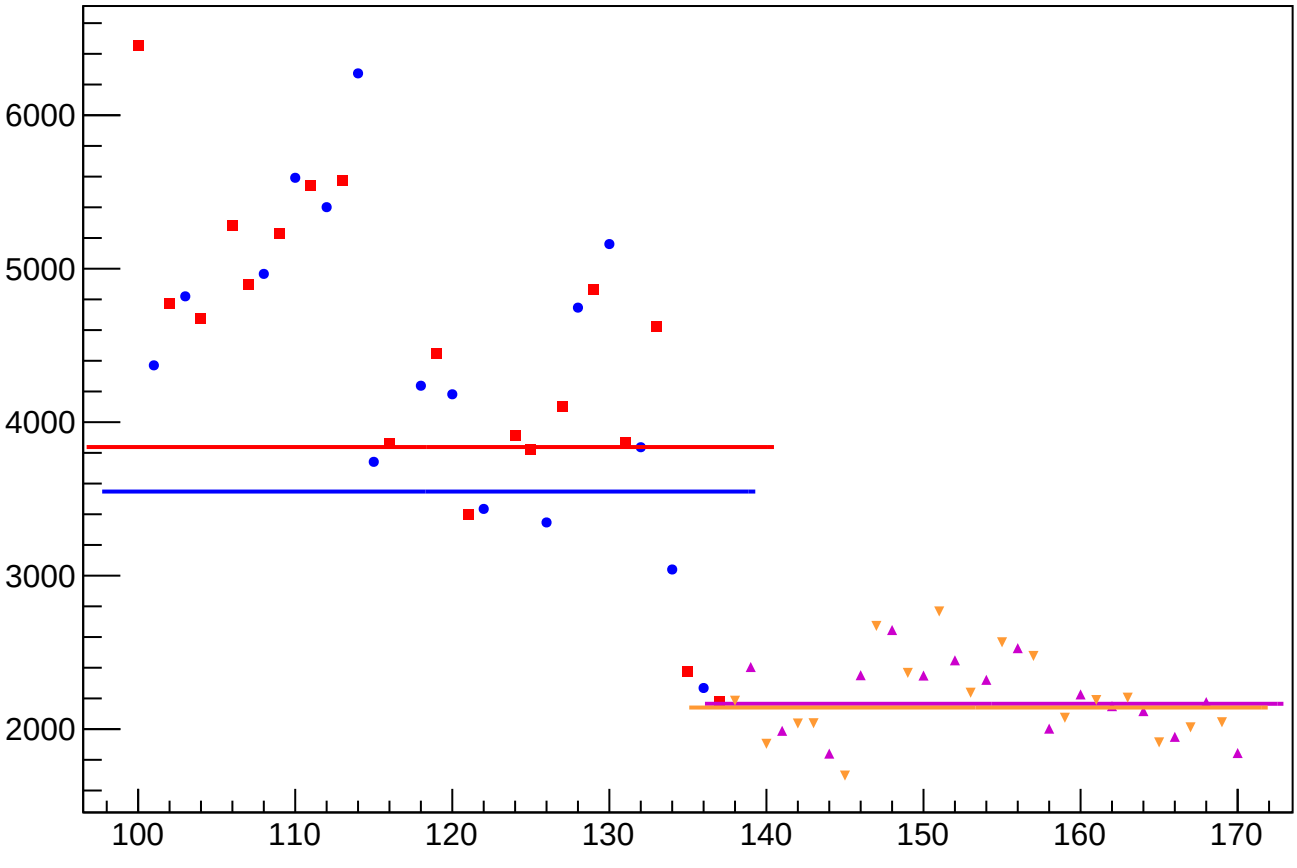
Left: -1050.455+/-420.853 χ^2/NDF: 56.6/32

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -759.201+/-550.832 χ^2/NDF:44.6/31

Out: -1406.231+/-547.111 χ^2/NDF:46.3/35

All: -1084.909+/-388.175 χ^2/NDF: 91.6/67



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2140.705+/-0.417 χ^2/NDF:417890.5/16

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2165.079+/-0.425 χ^2/NDF:304168.1/15

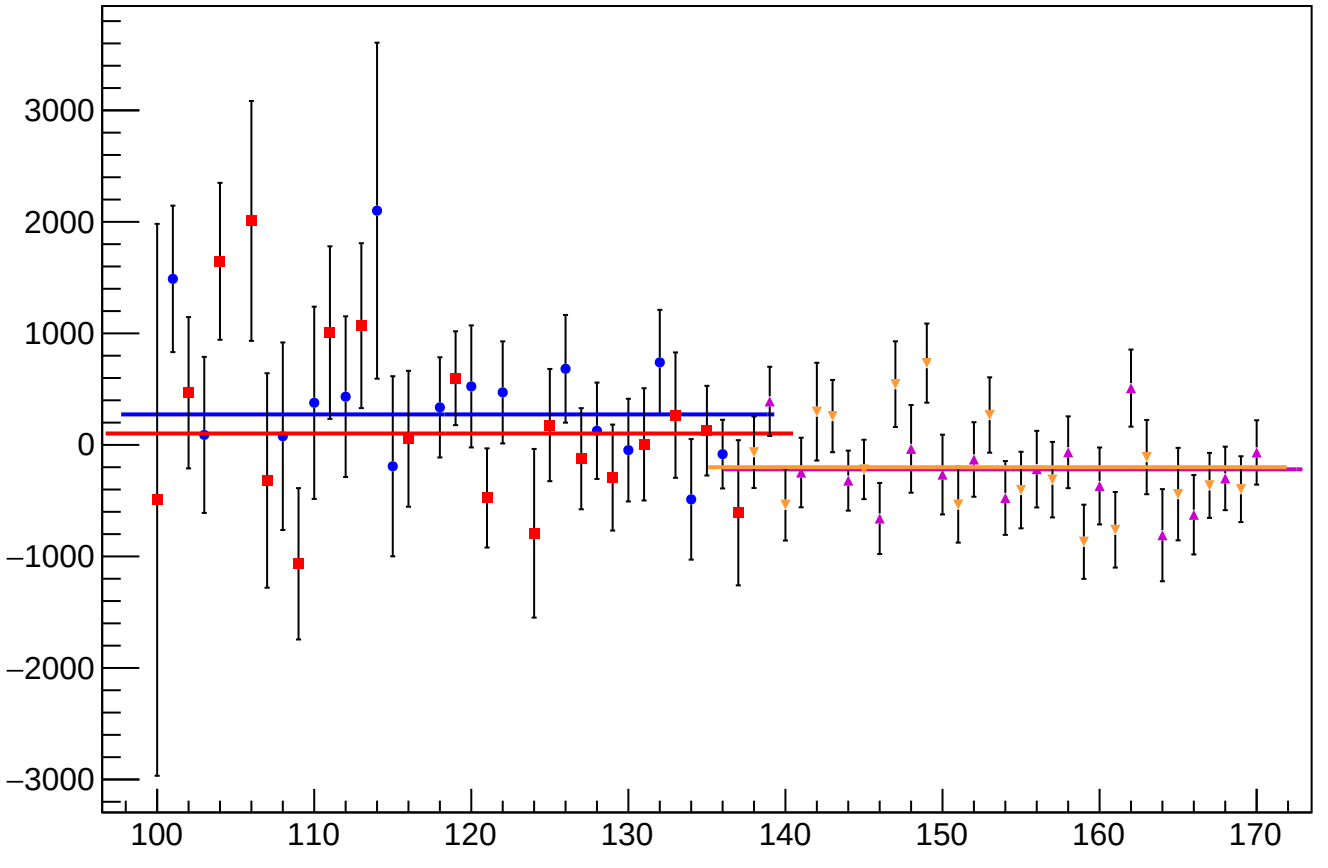
Left: 2152.679+/-0.298 χ^2/NDF: 723735.2/32

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2384.090+/-0.389 χ^2/NDF:3242874.6/31

Out: 2378.806+/-0.387 χ^2/NDF:3895097.5/35

All: 2381.430+/-0.274 χ^2/NDF: 7138064.8/67



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -199.988+/-80.738 χ^2/NDF:26.5/16

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -218.742+/-81.746 χ^2/NDF:15.4/15

Left: -209.249+/-57.443 χ^2/NDF: 42.0/32

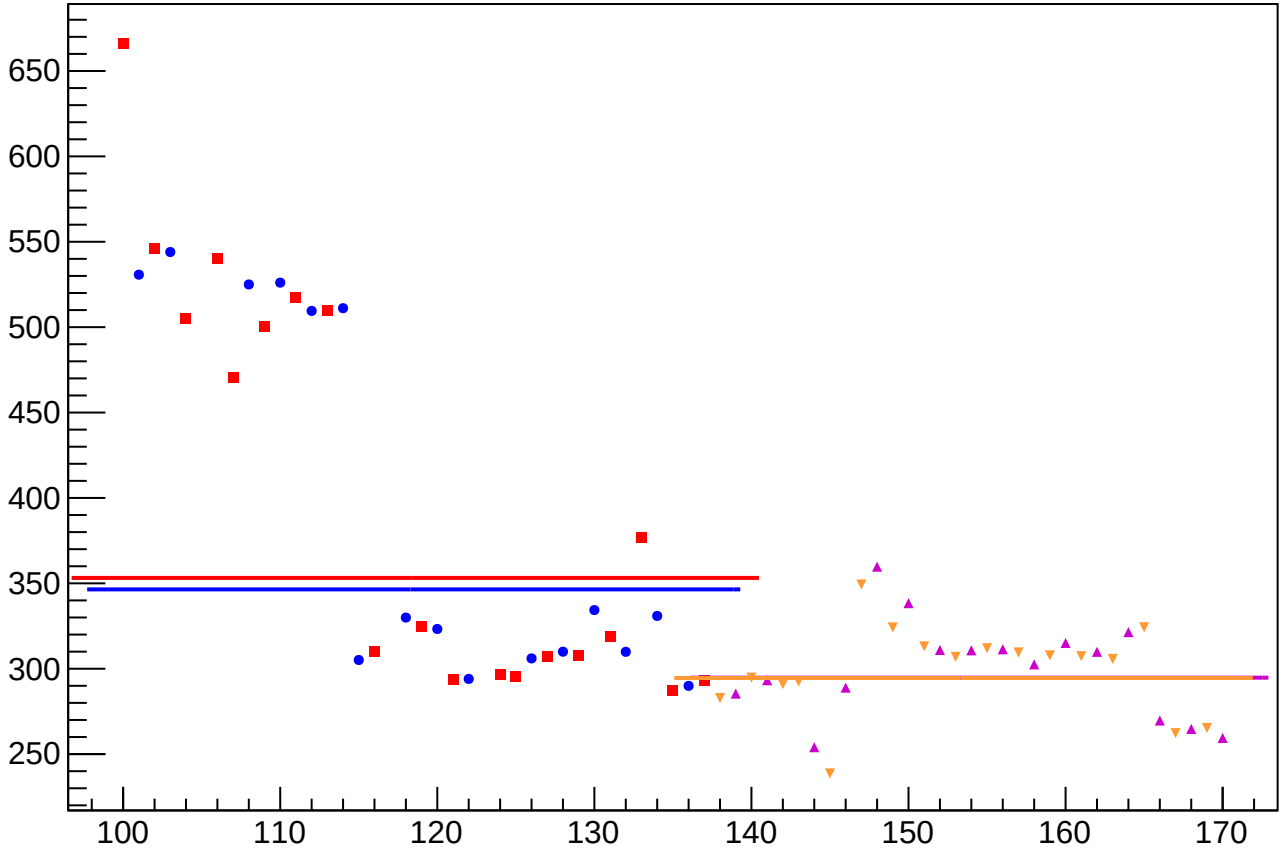
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -83.066+/-69.576 χ^2/NDF:36.8/31

Out: -119.109+/-69.101 χ^2/NDF:51.6/35

All: -101.211+/-49.029 χ^2/NDF: 88.6/67

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 294.570+/-0.057 χ^2/NDF:225971.6/16

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 294.766+/-0.058 χ^2/NDF:229157.9/15

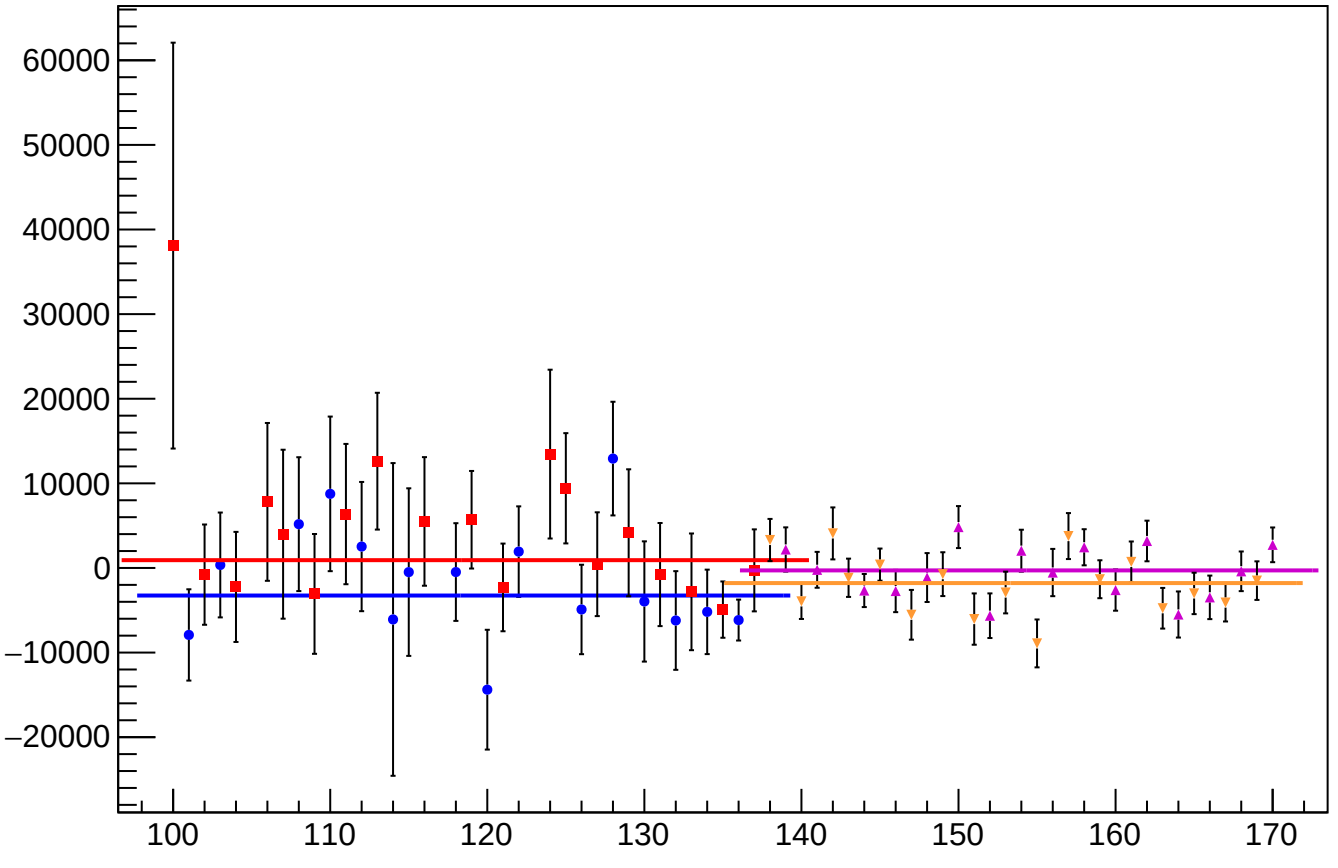
Left: 294.667+/-0.041 χ^2/NDF: 455135.3/32

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 309.010+/-0.049 χ^2/NDF:1218256.4/31

Out: 310.247+/-0.049 χ^2/NDF:1374214.8/35

All: 309.633+/-0.035 χ^2/NDF: 2592789.3/67



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1786.012+/-590.063 χ^2/NDF:28.8/16

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -288.834+/-600.425 χ^2/NDF:24.7/15

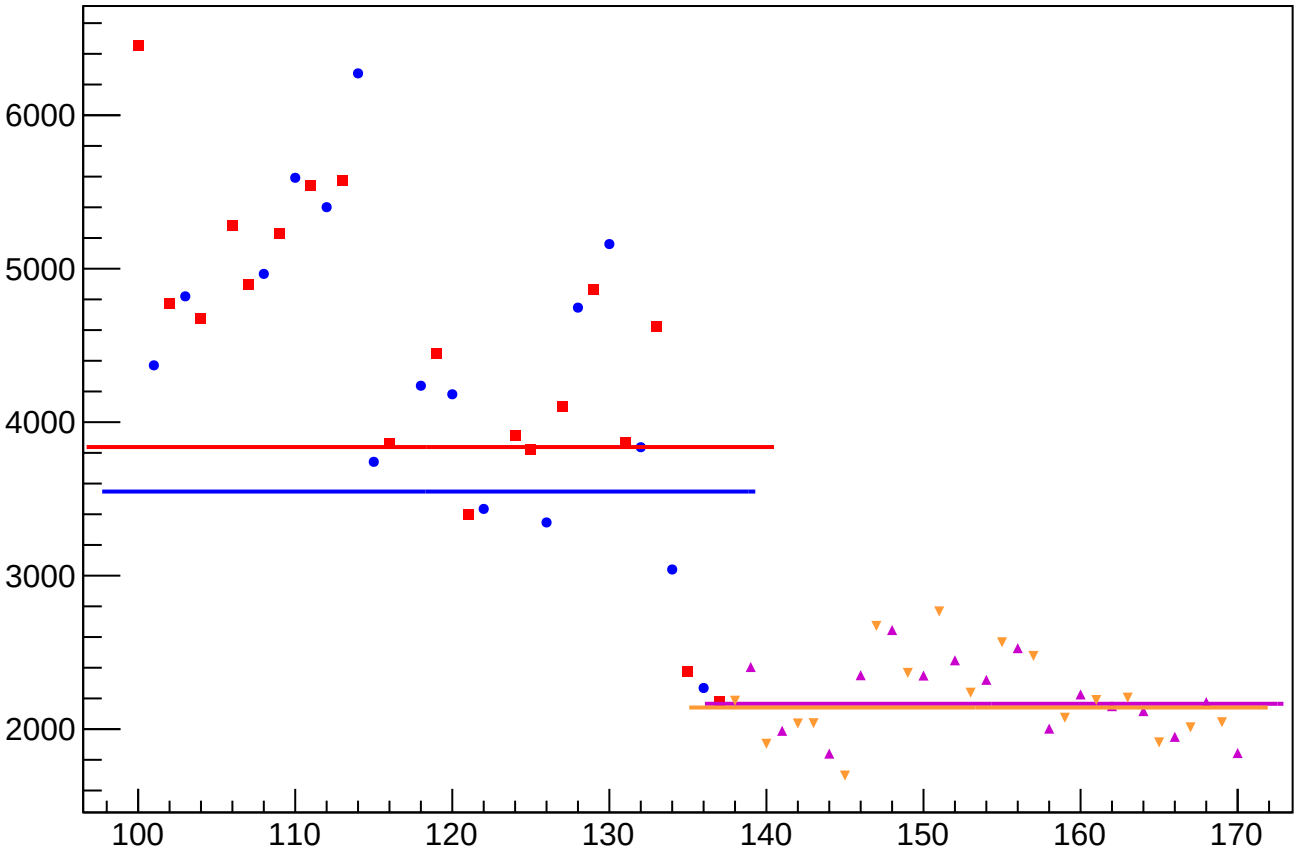
Left: -1050.454+/-420.853 χ^2/NDF: 56.6/32

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -759.199+/-550.832 χ^2/NDF:44.6/31

Out: -1406.229+/-547.111 χ^2/NDF:46.3/35

All: -1084.907+/-388.175 χ^2/NDF: 91.6/67



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2140.704+/-0.417 χ^2/NDF:417897.1/16

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2165.078+/-0.425 χ^2/NDF:304172.3/15

Left: 2152.678+/-0.298 χ^2/NDF: 723746.0/32

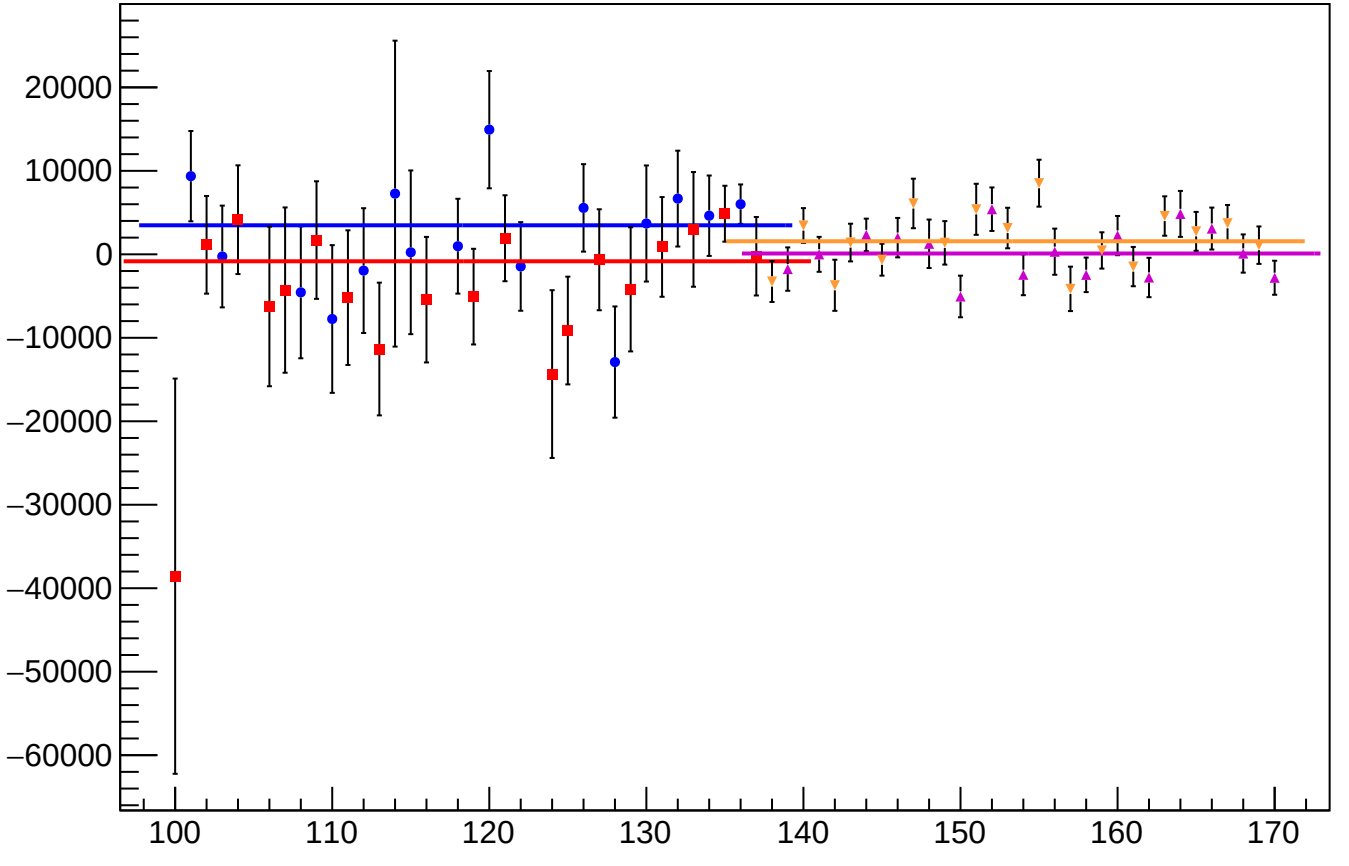
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2384.089+/-0.389 χ^2/NDF:3242863.8/31

Out: 2378.805+/-0.387 χ^2/NDF:3895090.5/35

All: 2381.429+/-0.274 χ^2/NDF: 7138046.9/67

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1566.506+/-583.042 χ^2/NDF:28.9/16

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 98.385+/-591.254 χ^2/NDF:22.4/15

Left: 842.712+/-415.146 χ^2/NDF: 54.4/32

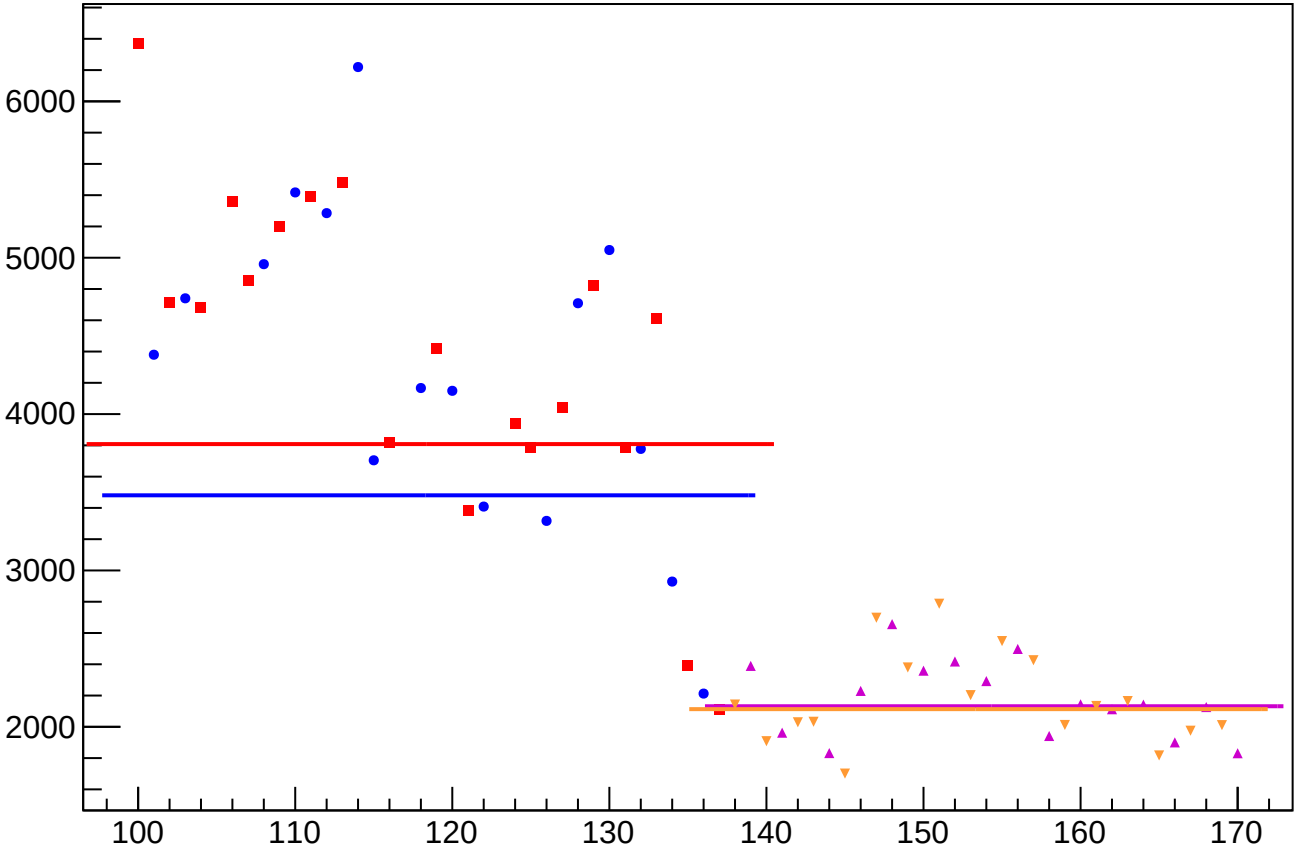
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 635.431+/-542.251 χ^2/NDF:43.9/31

Out: 1232.462+/-540.930 χ^2/NDF:45.3/35

All: 934.675+/-382.962 χ^2/NDF: 89.8/67

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2113.085+/-0.412 χ^2/NDF:440924.2/16

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2131.609+/-0.418 χ^2/NDF:311249.1/15

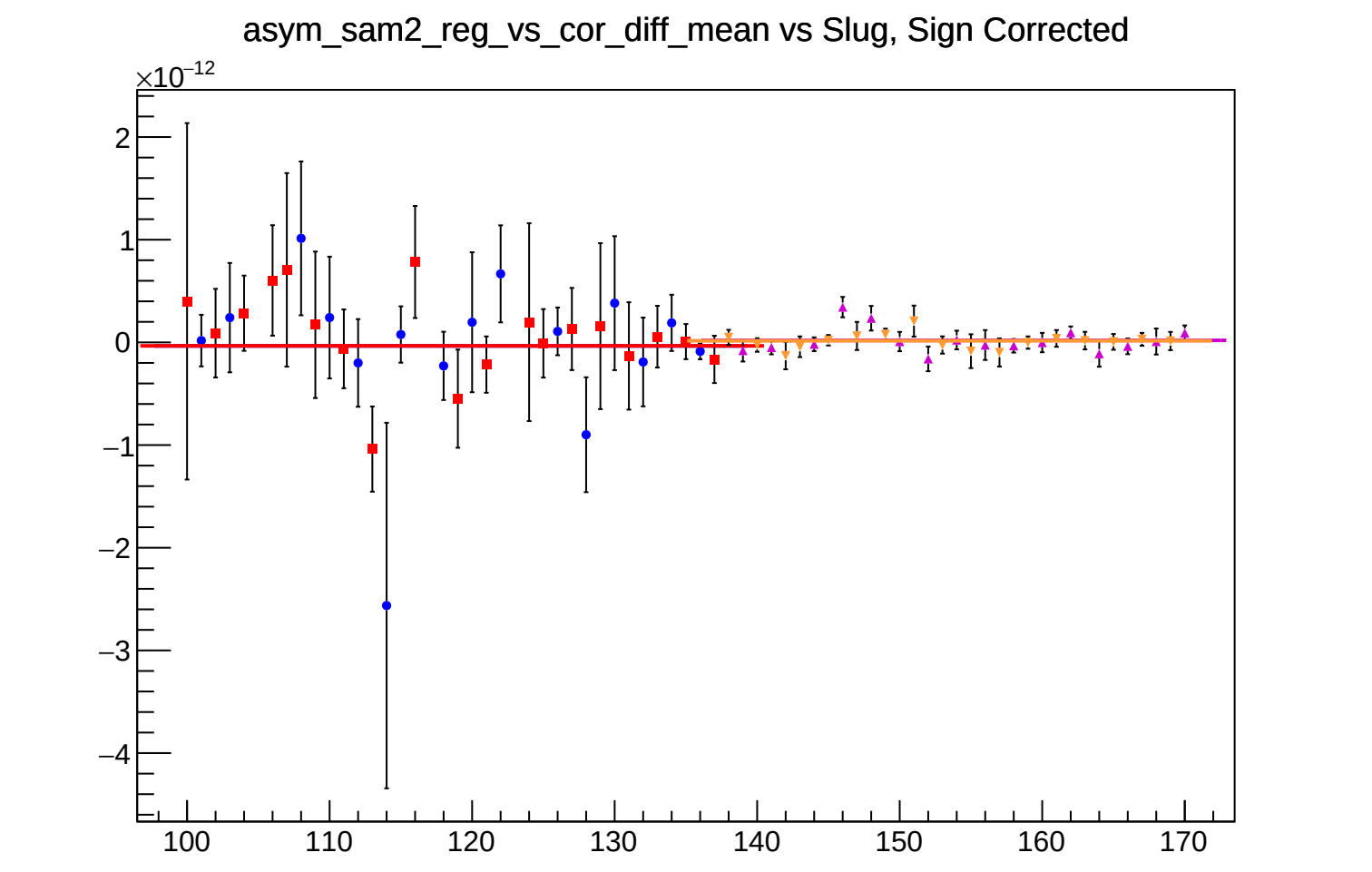
Left: 2122.217+/-0.294 χ^2/NDF: 753168.7/32

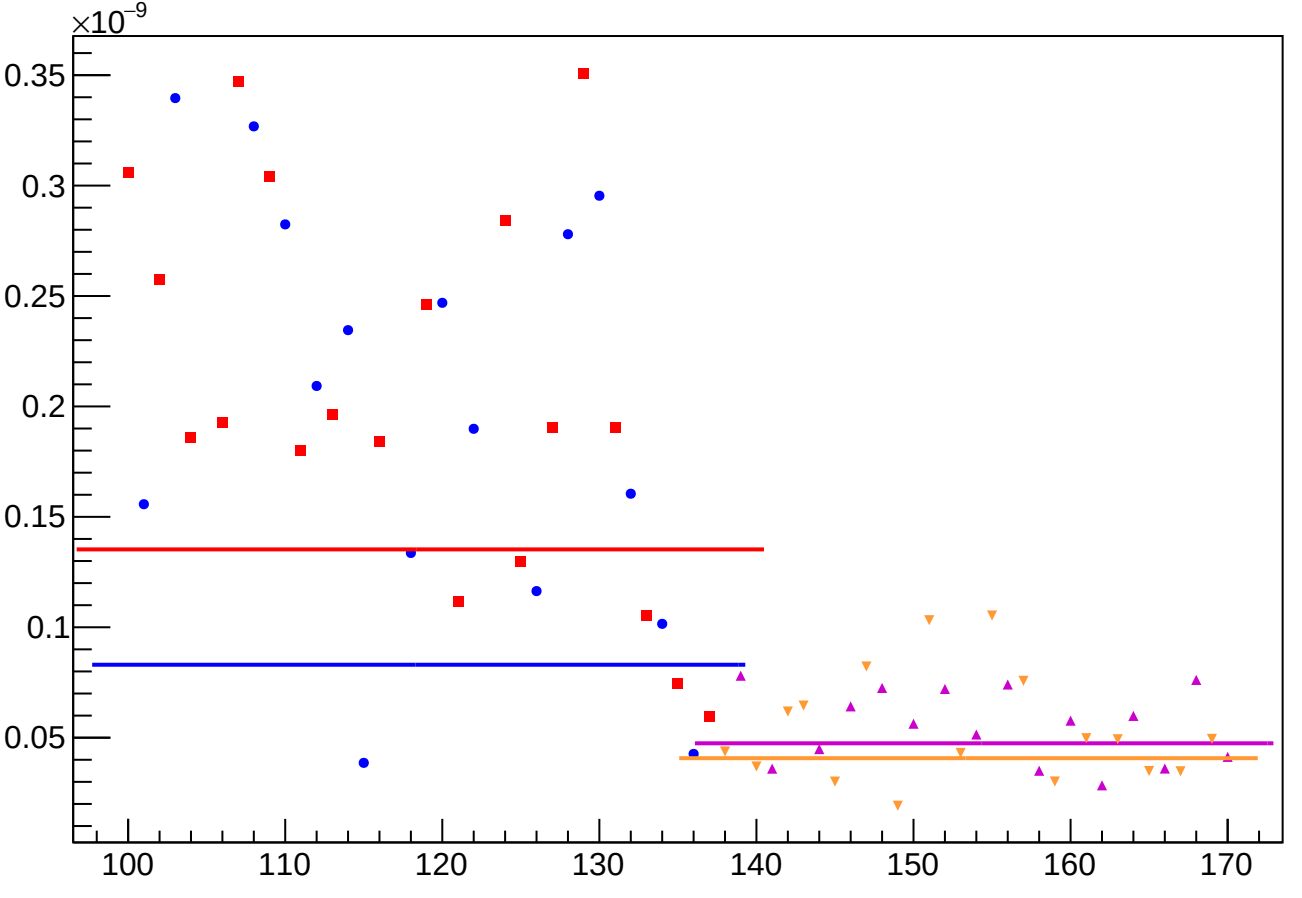
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2345.944+/-0.383 χ^2/NDF:3262020.9/31

Out: 2349.102+/-0.382 χ^2/NDF:3942242.9/35

All: 2347.527+/-0.271 χ^2/NDF: 7204297.8/67


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/16
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:23.3/15
Left: 0.000+/-0.000 χ²/NDF: 30.0/32
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:36.0/31
Out: 0.000+/-0.000 χ²/NDF:20.5/35
All: 0.000+/-0.000 χ²/NDF: 56.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1677262.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1015167.8/15

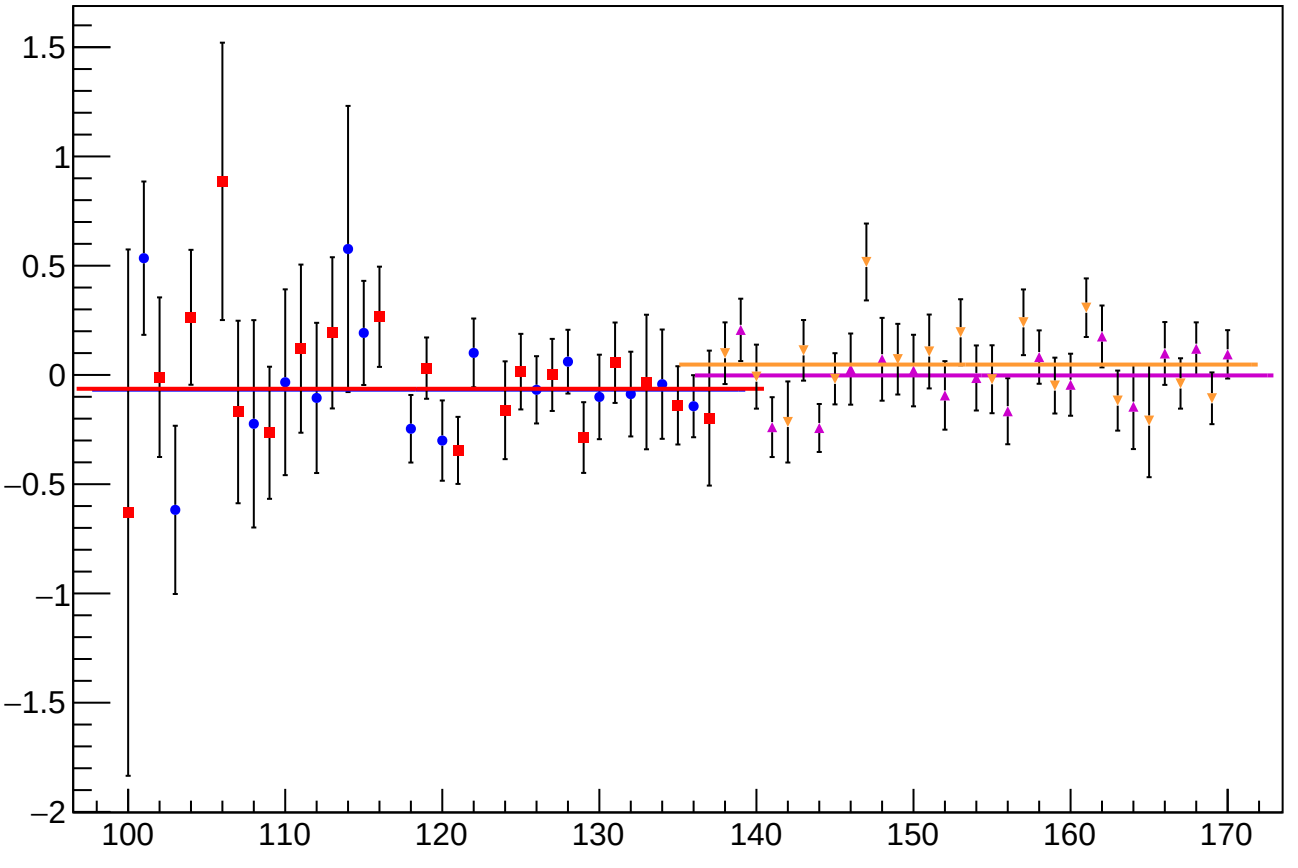
Left: 0.000+/-0.000 χ^2/NDF: 2801533.3/32

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4329194.2/31

Out: 0.000+/-0.000 χ^2/NDF:5441563.4/35

All: 0.000+/-0.000 χ^2/NDF: 9869570.1/67



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.035 χ^2/NDF:21.9/16

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.002+/-0.035 χ^2/NDF:16.6/15

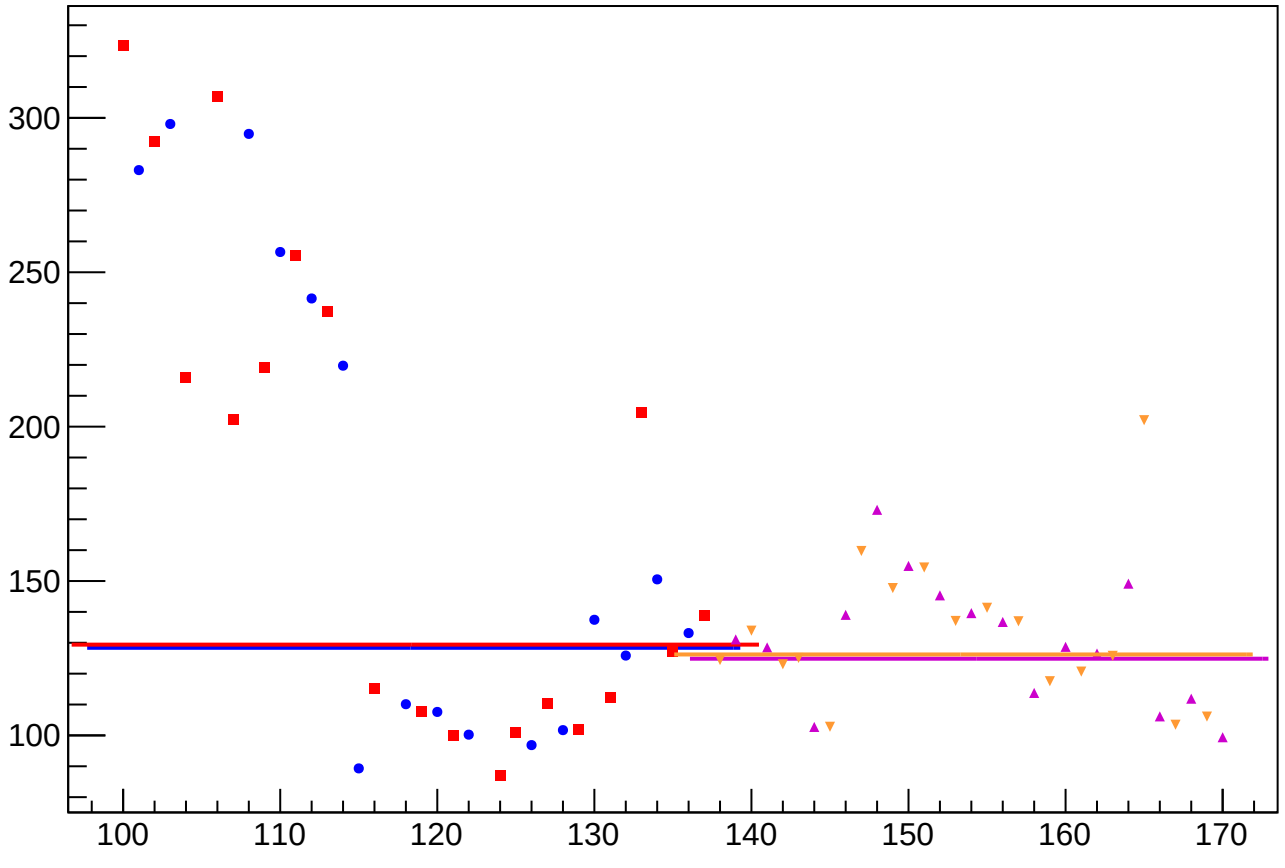
Left: 0.023+/-0.025 χ^2/NDF: 39.5/32

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.2/31

Out: 0.013+/-0.029 χ^2/NDF:39.1/35

All: -0.005+/-0.021 χ^2/NDF: 70.0/67



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.216+/-0.025 χ^2/NDF:609570.3/16

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 124.840+/-0.025 χ^2/NDF:576660.2/15

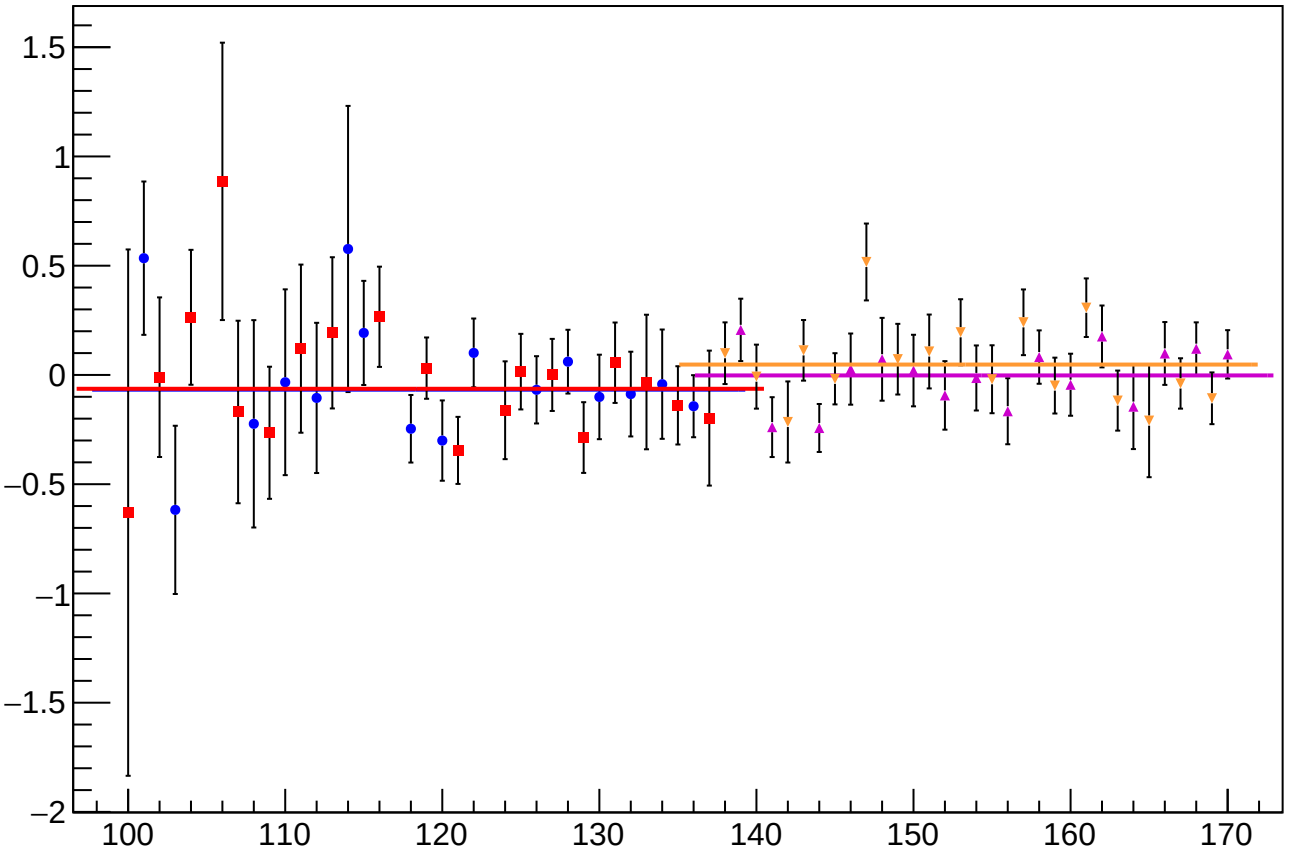
Left: 125.531+/-0.018 χ^2/NDF: 1187770.5/32

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.957+/-0.021 χ^2/NDF:2388138.6/31

Out: 127.218+/-0.020 χ^2/NDF:2503051.1/35

All: 126.590+/-0.015 χ^2/NDF: 4893078.8/67



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.035 χ^2/NDF:21.9/16

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.002+/-0.035 χ^2/NDF:16.6/15

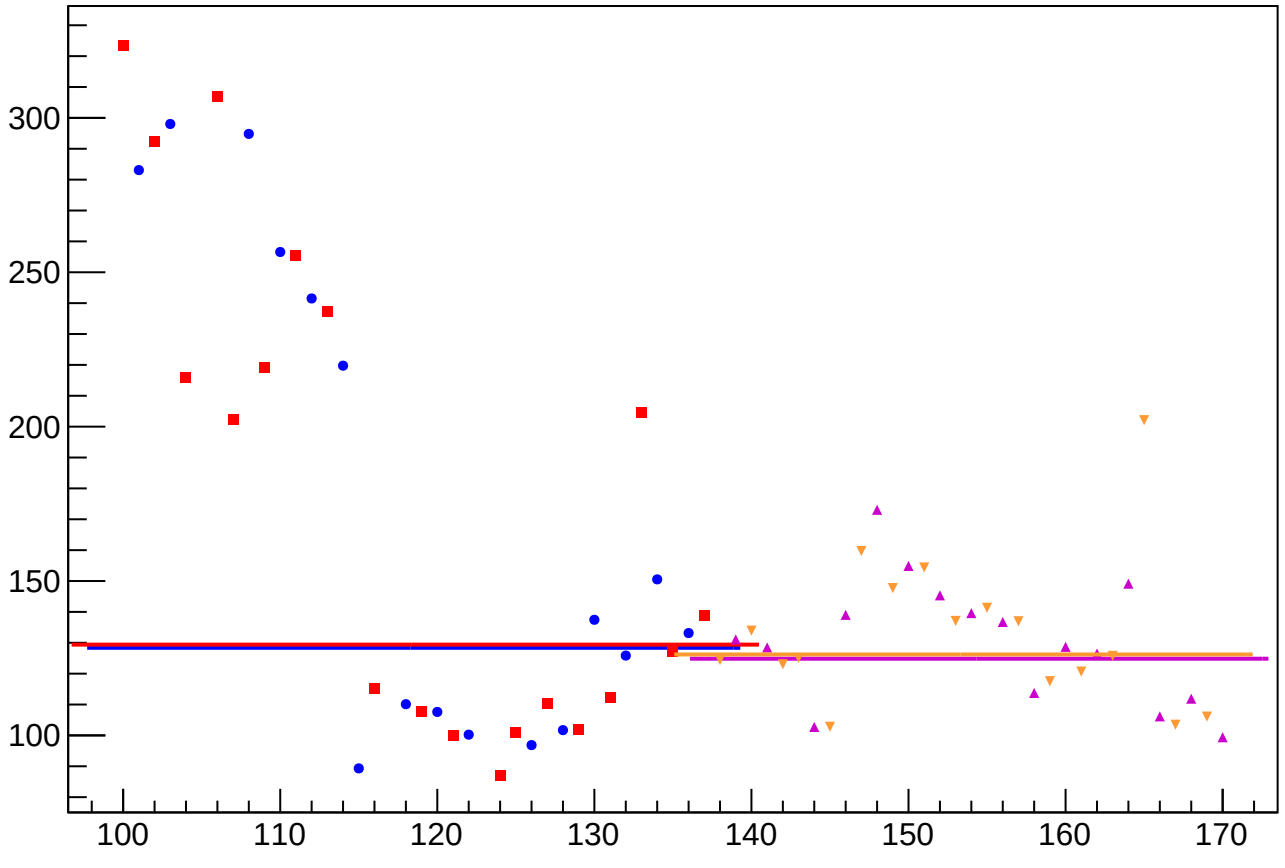
Left: 0.023+/-0.025 χ^2/NDF: 39.5/32

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.2/31

Out: 0.013+/-0.029 χ^2/NDF:39.1/35

All: -0.005+/-0.021 χ^2/NDF: 70.0/67



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.216+/-0.025 χ^2/NDF:609570.3/16

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 124.840+/-0.025 χ^2/NDF:576660.2/15

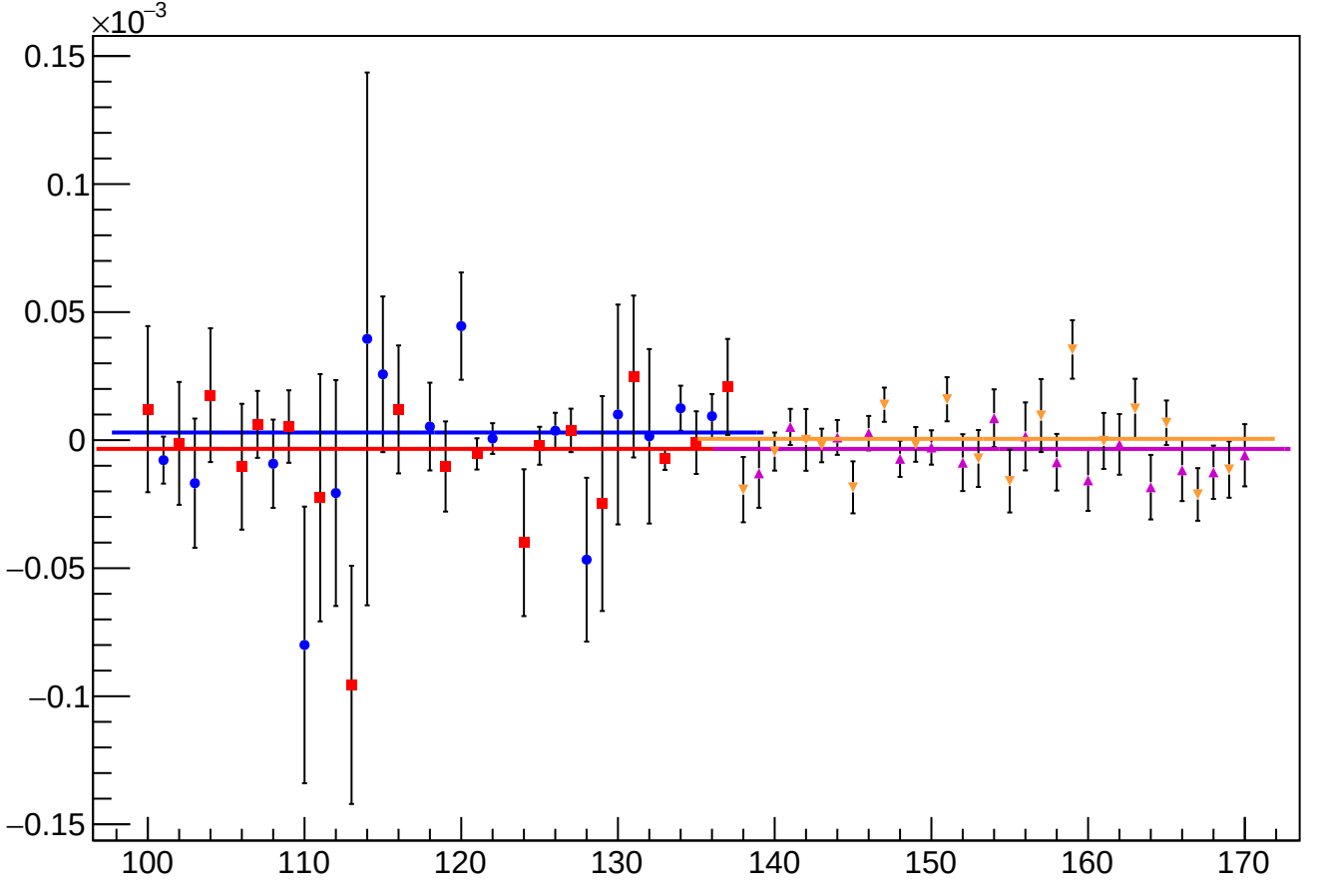
Left: 125.531+/-0.018 χ^2/NDF: 1187770.5/32

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.957+/-0.021 χ^2/NDF:2388138.6/31

Out: 127.218+/-0.020 χ^2/NDF:2503051.1/35

All: 126.590+/-0.015 χ^2/NDF: 4893078.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/15

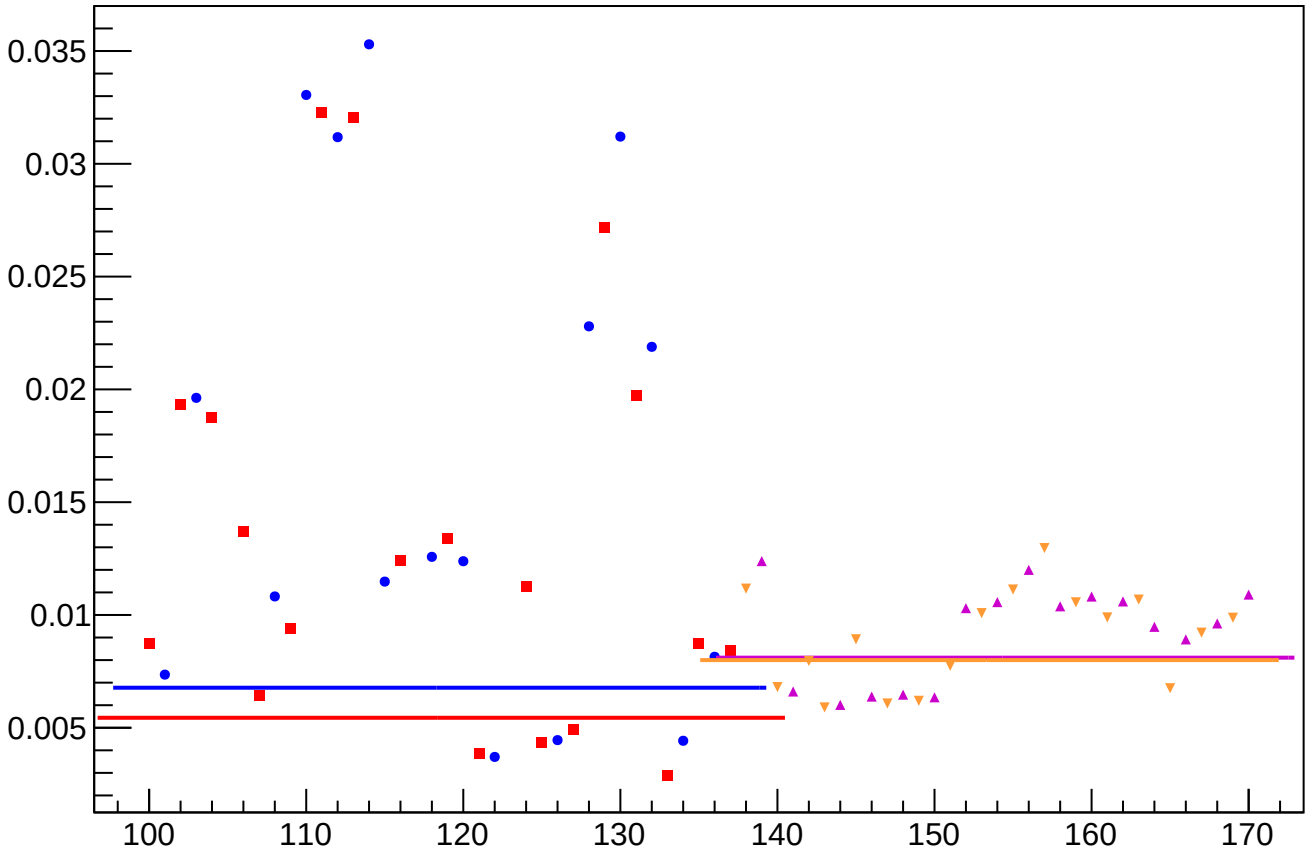
Left: -0.000+/-0.000 χ^2/NDF: 43.6/32

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:25.8/31

Out: -0.000+/-0.000 χ^2/NDF:46.9/35

All: -0.000+/-0.000 χ^2/NDF: 72.8/67



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1543687.3/16

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1662607.0/15

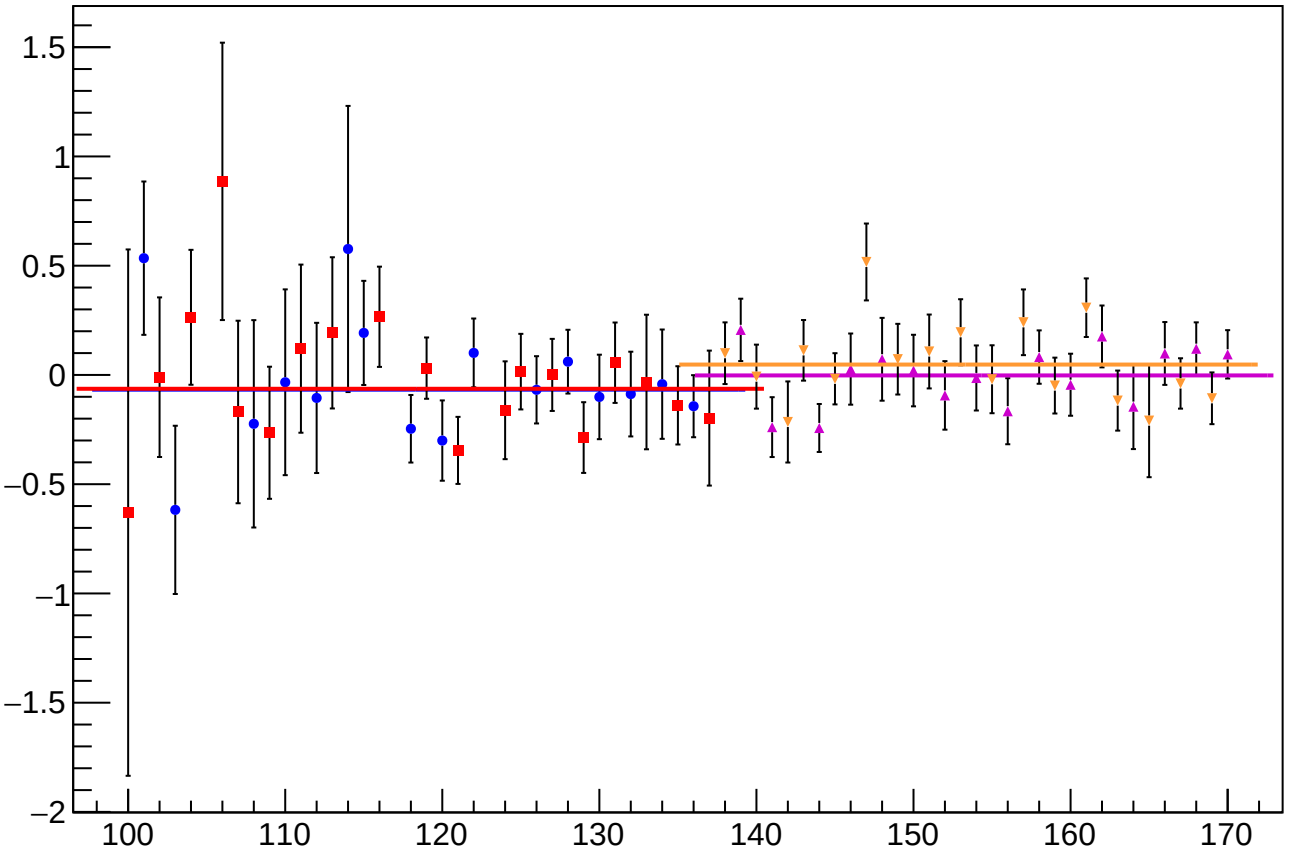
Left: 0.008+/-0.000 χ^2/NDF: 3208510.9/32

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6667265.3/31

Out: 0.007+/-0.000 χ^2/NDF:8220406.2/35

All: 0.007+/-0.000 χ^2/NDF: 15058490.3/67



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.035 χ^2/NDF:21.9/16

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.002+/-0.035 χ^2/NDF:16.6/15

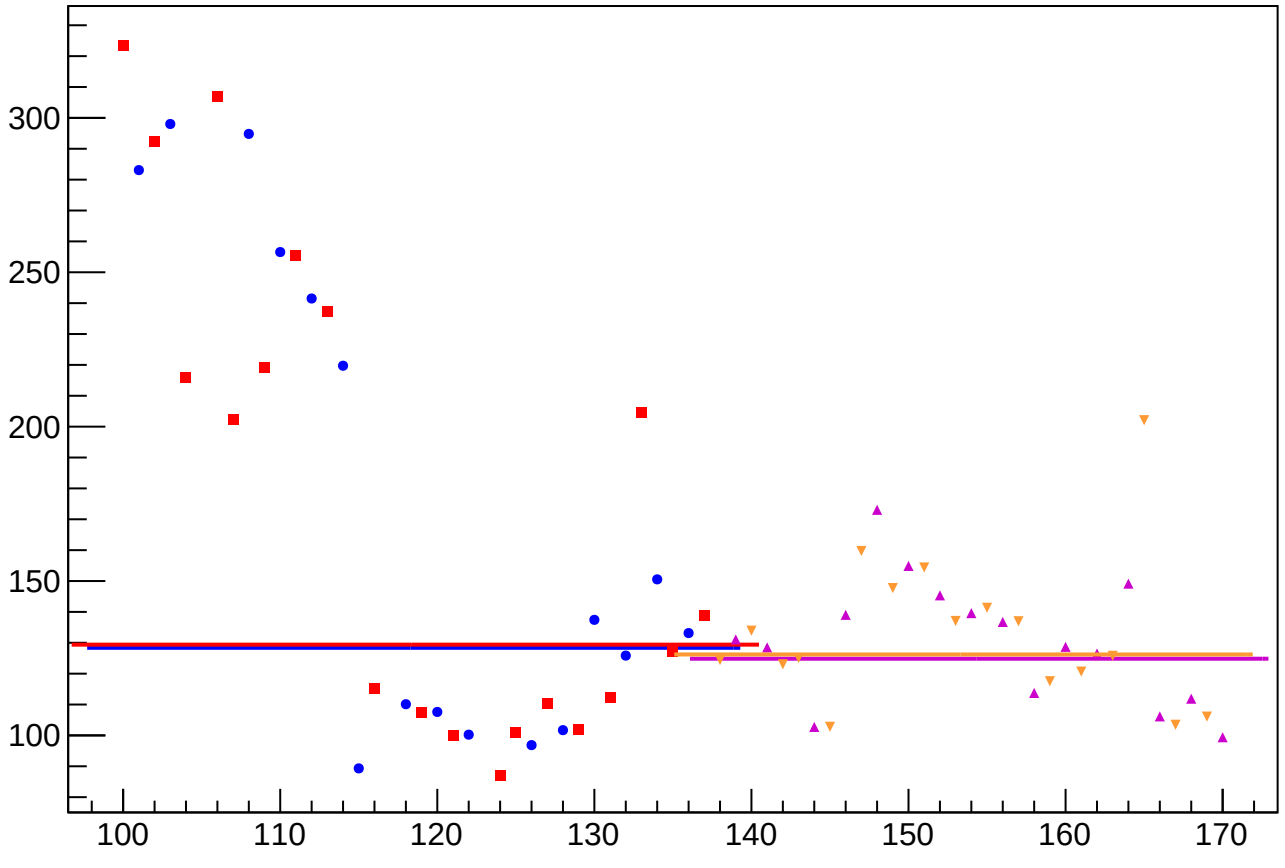
Left: 0.023+/-0.025 χ^2/NDF: 39.5/32

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.1/31

Out: 0.013+/-0.029 χ^2/NDF:39.1/35

All: -0.005+/-0.021 χ^2/NDF: 70.0/67



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.216+/-0.025 χ^2/NDF:609624.9/16

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 124.840+/-0.025 χ^2/NDF:576700.7/15

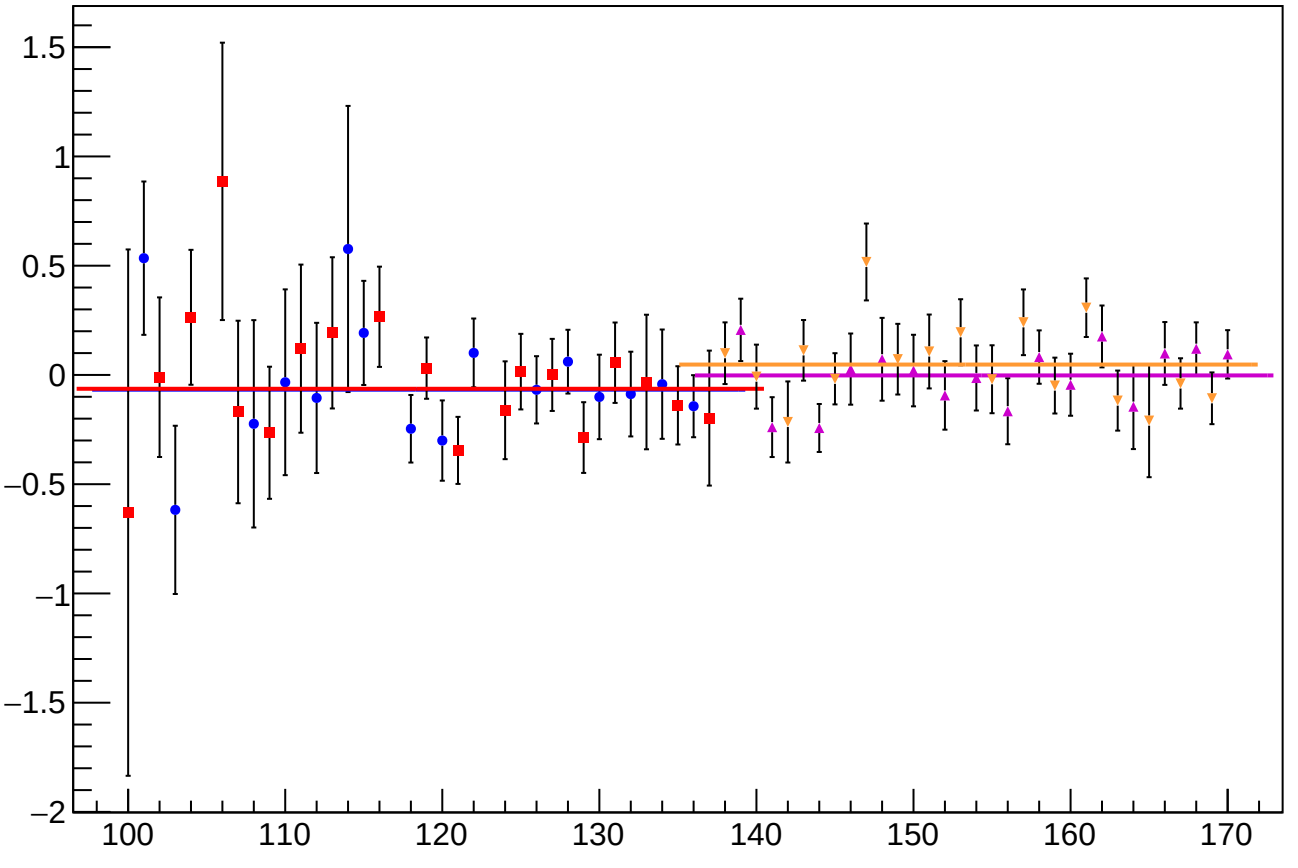
Left: 125.531+/-0.018 χ^2/NDF: 1187865.8/32

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.956+/-0.021 χ^2/NDF:2388118.5/31

Out: 127.217+/-0.020 χ^2/NDF:2503098.1/35

All: 126.589+/-0.015 χ^2/NDF: 4893105.9/67



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.035 χ^2/NDF:21.9/16

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.002+/-0.035 χ^2/NDF:16.6/15

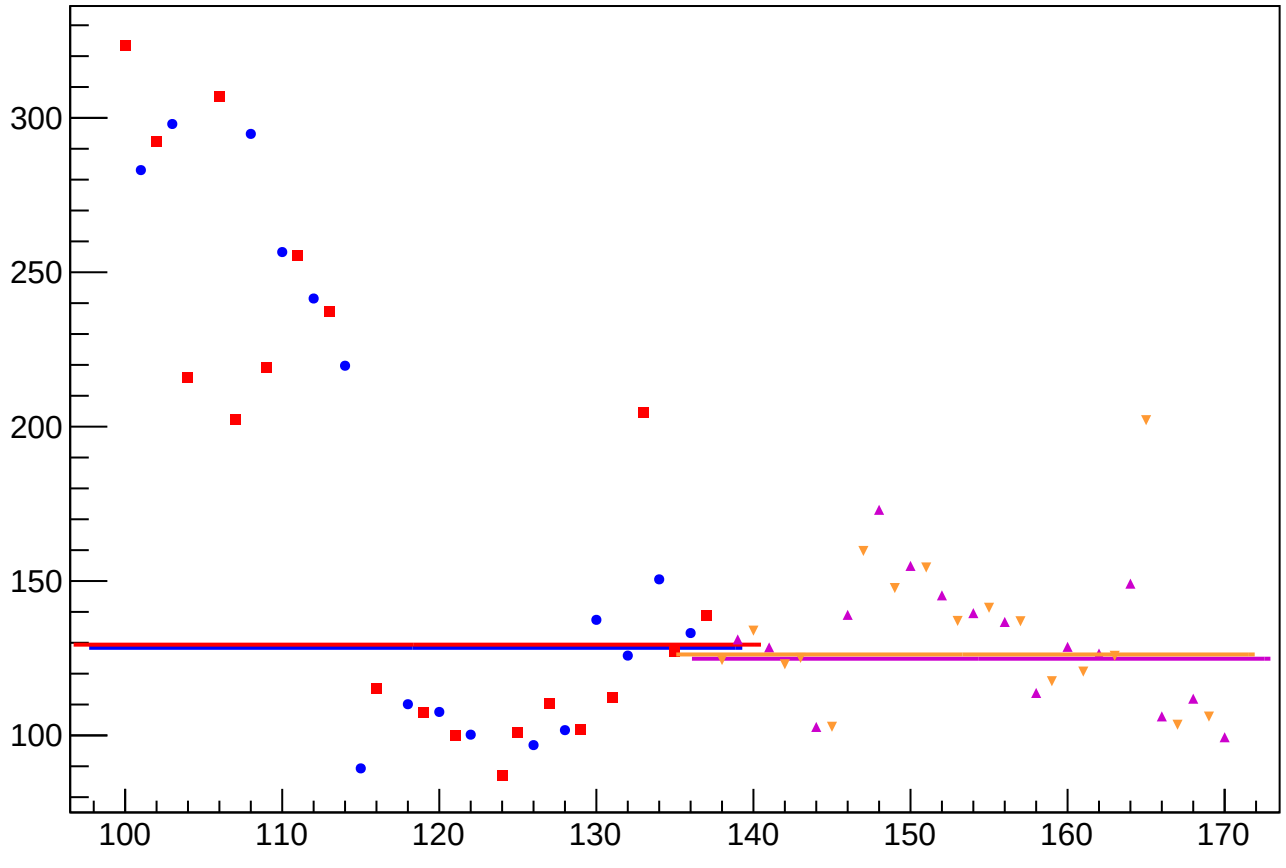
Left: 0.023+/-0.025 χ^2/NDF: 39.5/32

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.1/31

Out: 0.013+/-0.029 χ^2/NDF:39.1/35

All: -0.005+/-0.021 χ^2/NDF: 70.0/67



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.216+/-0.025 χ^2/NDF:609624.9/16

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 124.840+/-0.025 χ^2/NDF:576700.7/15

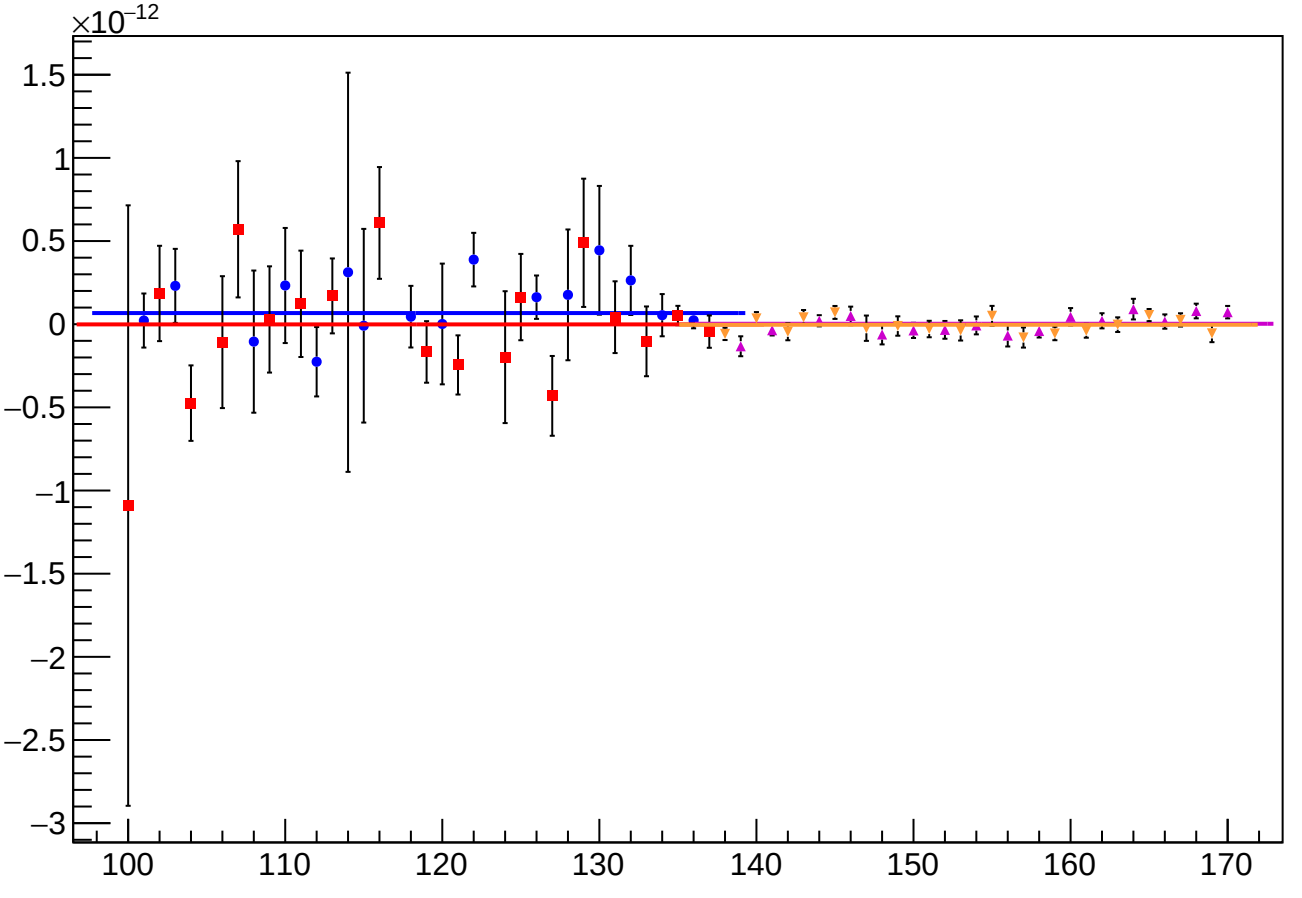
Left: 125.531+/-0.018 χ^2/NDF: 1187865.8/32

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.956+/-0.021 χ^2/NDF:2388118.5/31

Out: 127.217+/-0.020 χ^2/NDF:2503098.1/35

All: 126.589+/-0.015 χ^2/NDF: 4893105.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/15

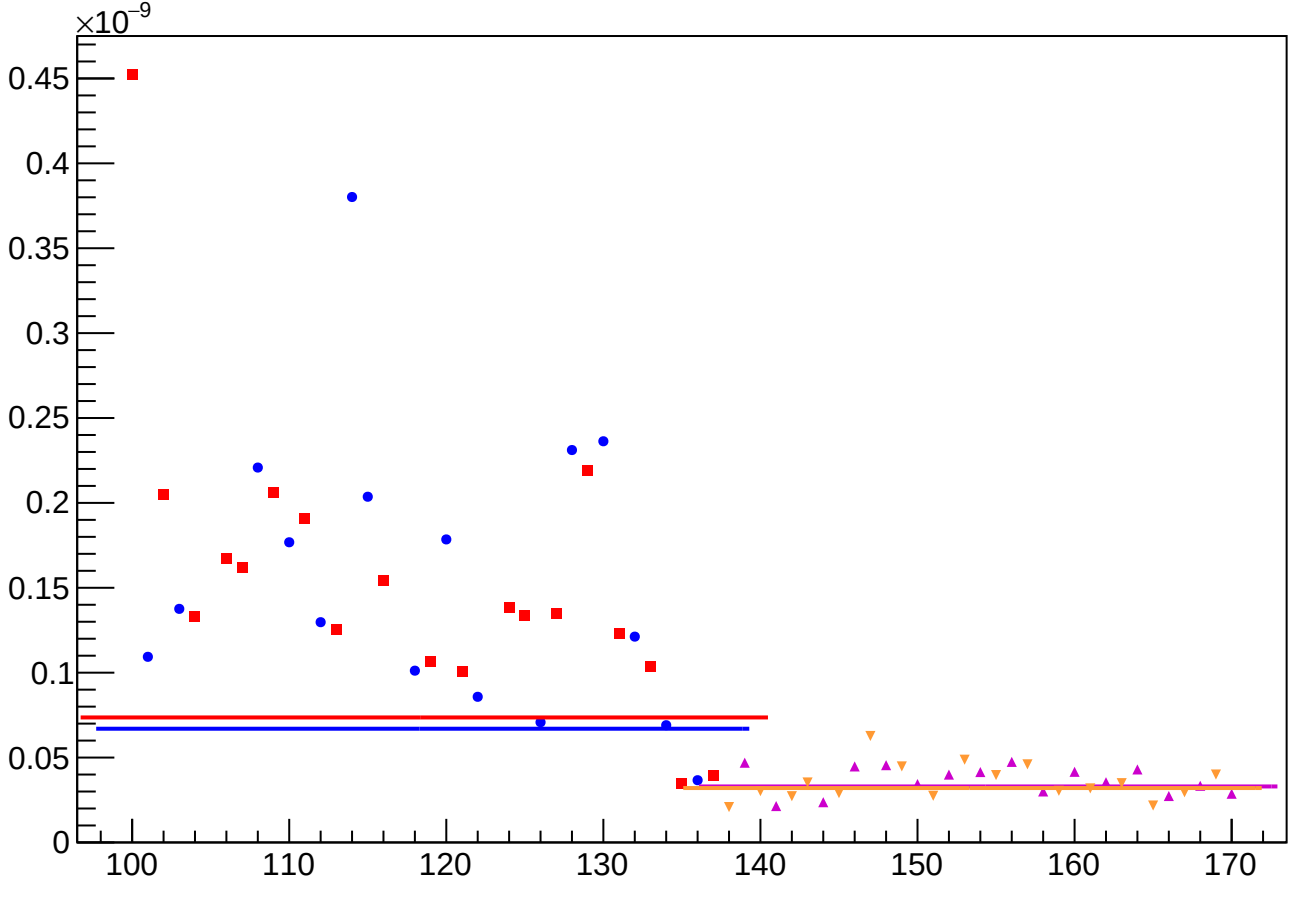
Left: -0.000+/-0.000 χ^2/NDF: 40.0/32

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.0/31

Out: -0.000+/-0.000 χ^2/NDF:38.7/35

All: 0.000+/-0.000 χ^2/NDF: 74.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1179384.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1071468.7/15

Left: 0.000+/-0.000 χ^2/NDF: 2257831.9/32

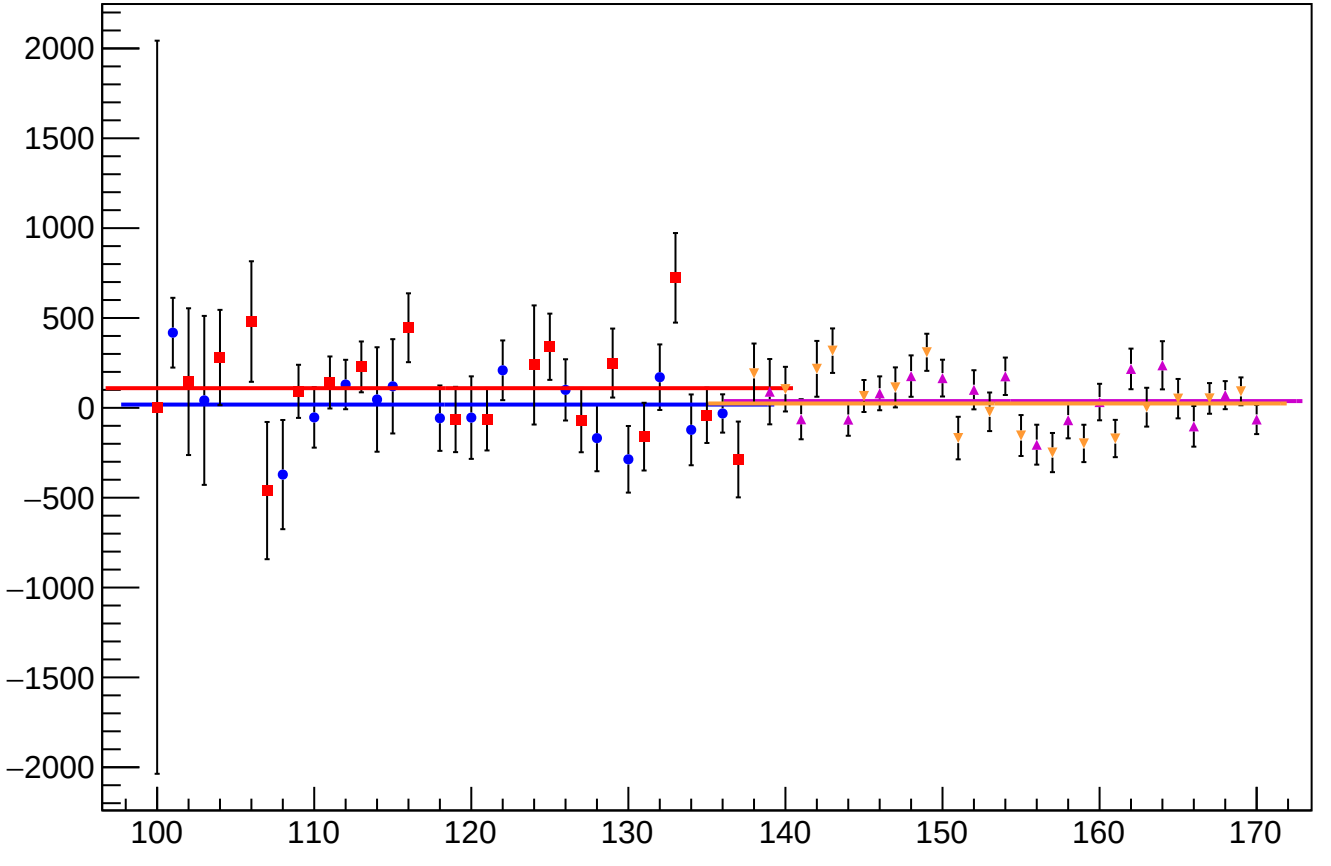
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5864146.6/31

Out: 0.000+/-0.000 χ^2/NDF:6898077.4/35

All: 0.000+/-0.000 χ^2/NDF: 12770165.3/67

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 24.309+/-25.947 χ^2/NDF:37.7/16

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 37.566+/-25.847 χ^2/NDF:21.4/15

Left: 30.963+/-18.312 χ^2/NDF: 59.3/32

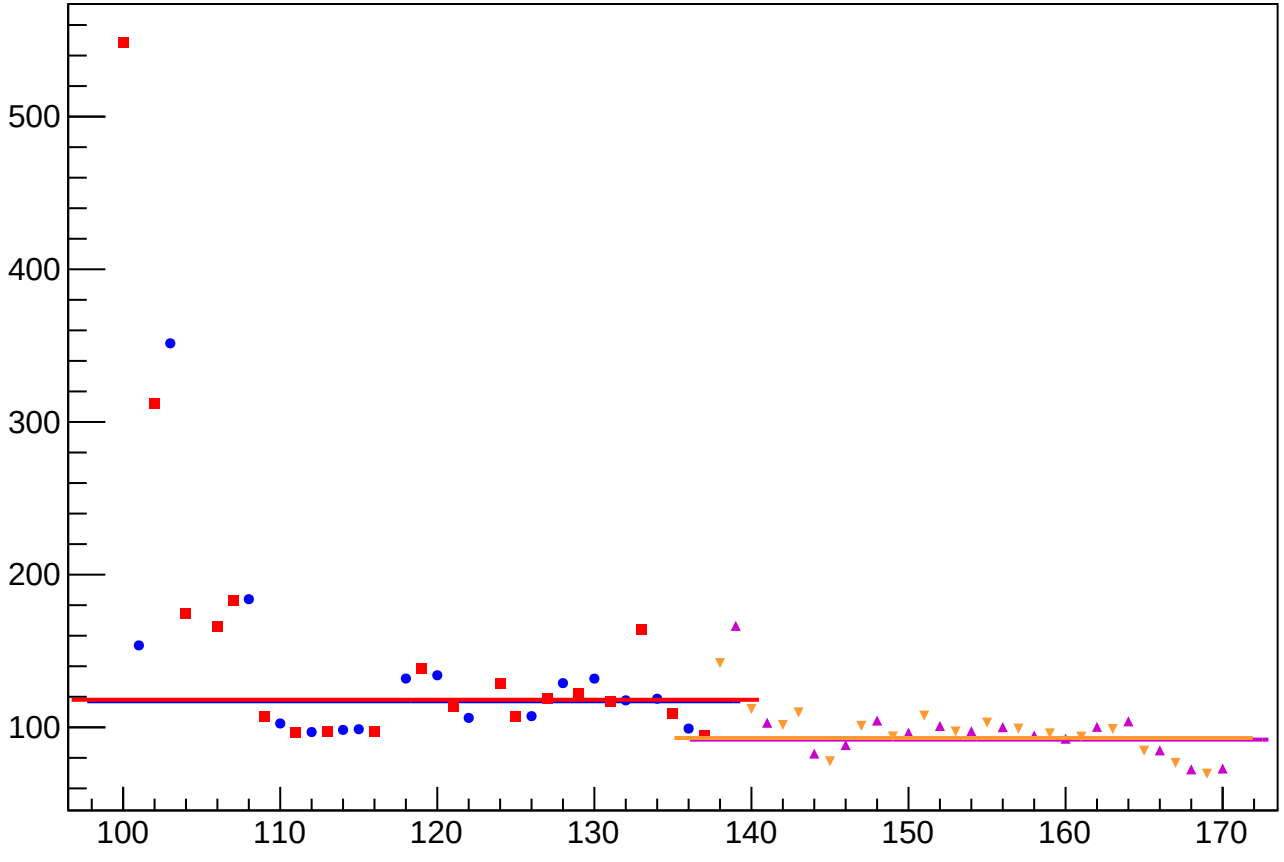
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 32.874+/-22.499 χ^2/NDF:35.4/31

Out: 44.974+/-22.579 χ^2/NDF:65.8/35

All: 38.903+/-15.937 χ^2/NDF: 101.4/67

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 93.009+/-0.018 χ^2/NDF:662767.9/16

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

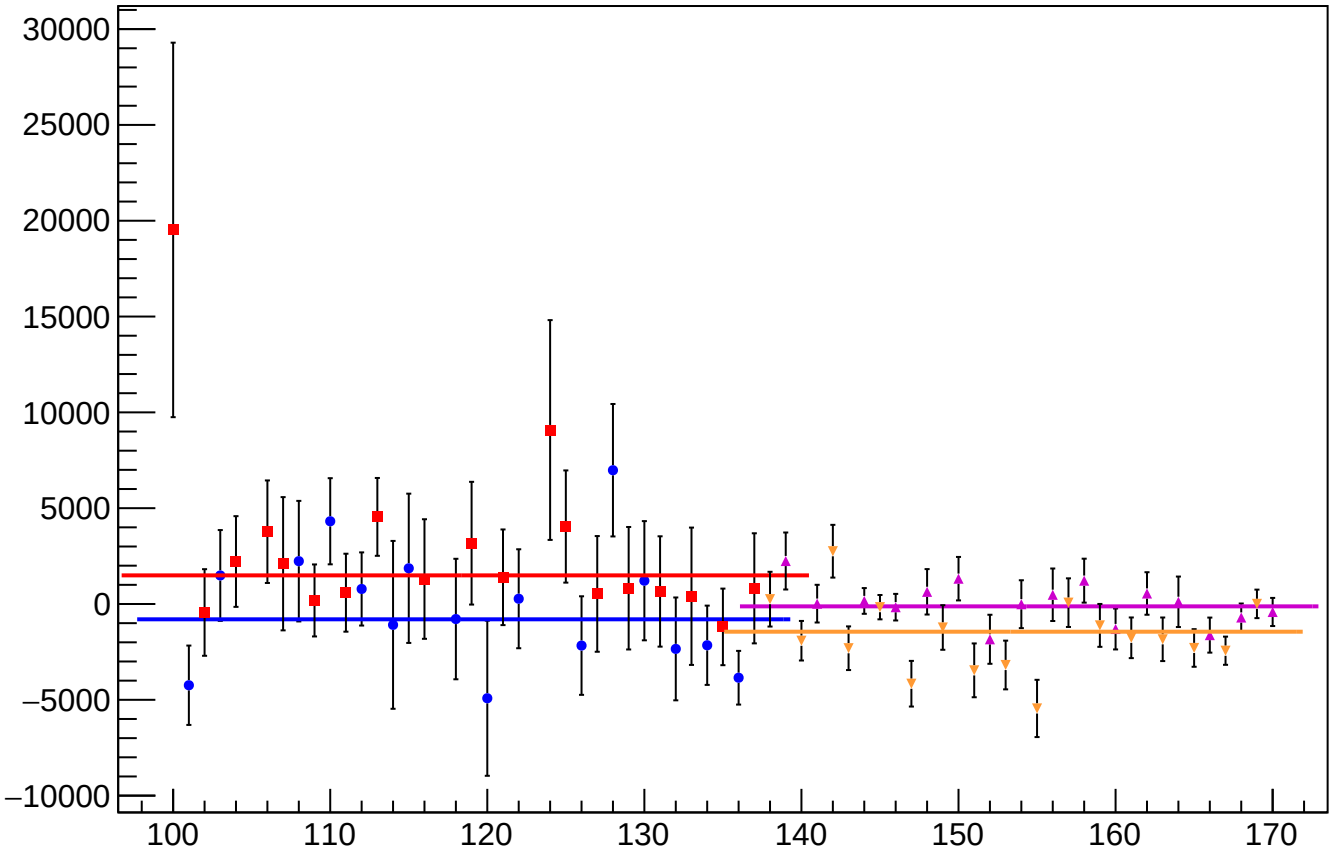
Left: 92.474+/-0.013 χ^2/NDF: 1369658.5/32

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 98.030+/-0.016 χ^2/NDF:2021371.3/31

Out: 99.090+/-0.016 χ^2/NDF:2106014.9/35

All: 98.558+/-0.011 χ^2/NDF: 4129600.7/67



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1445.663+/-250.004 χ^2/NDF:40.0/16

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: -123.249+/-242.420 χ^2/NDF:13.2/15

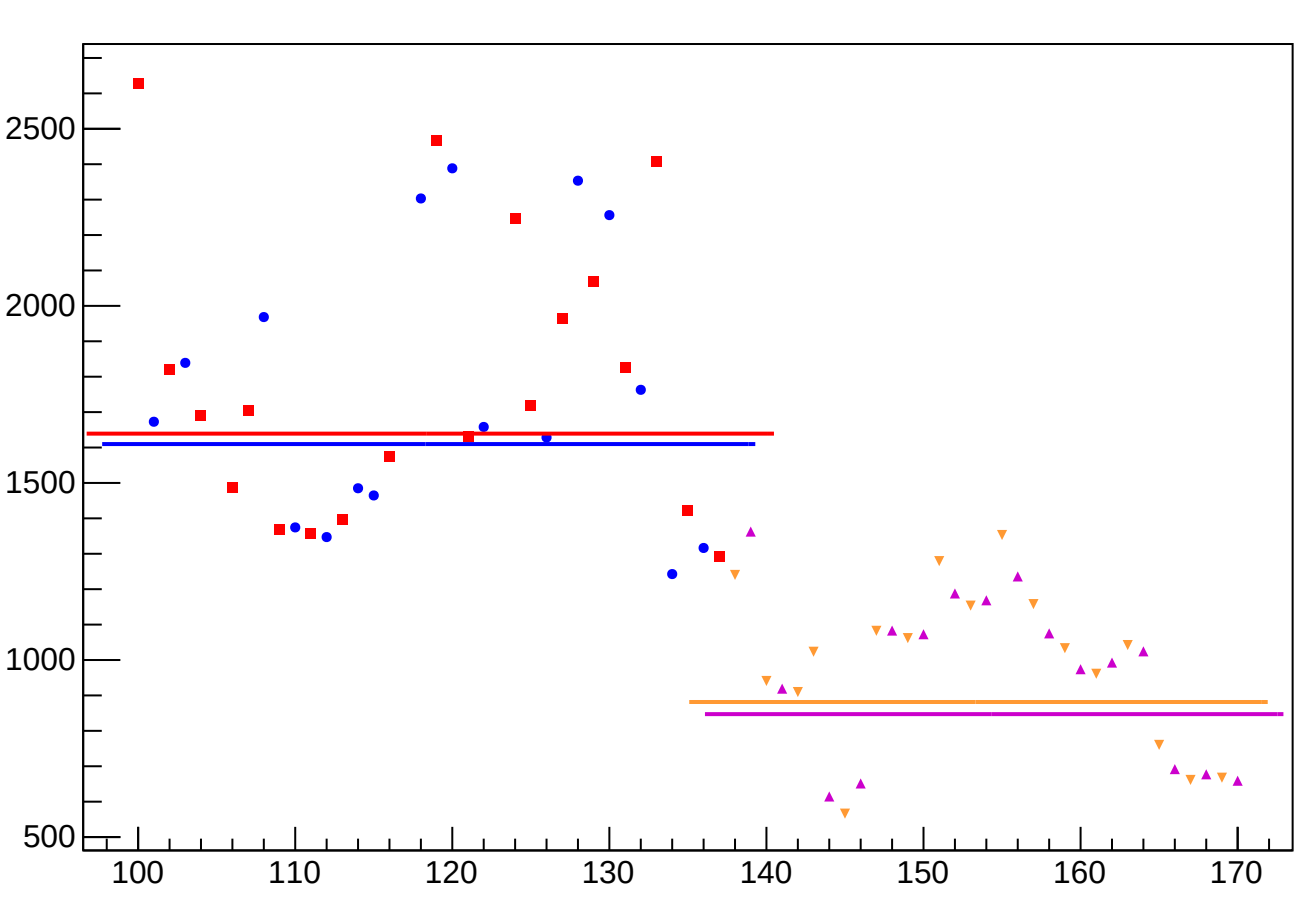
Left: -764.093+/-174.036 χ^2/NDF: 67.7/32

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -213.885+/-225.581 χ^2/NDF:37.7/31

Out: -1026.565+/-231.497 χ^2/NDF:72.6/35

All: -609.707+/-161.561 χ^2/NDF: 116.7/67



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 881.451+/-0.177 χ^2/NDF:1771514.1/16

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 847.191+/-0.171 χ^2/NDF:1719562.9/15

Left: 863.794+/-0.123 χ^2/NDF: 3510434.0/32

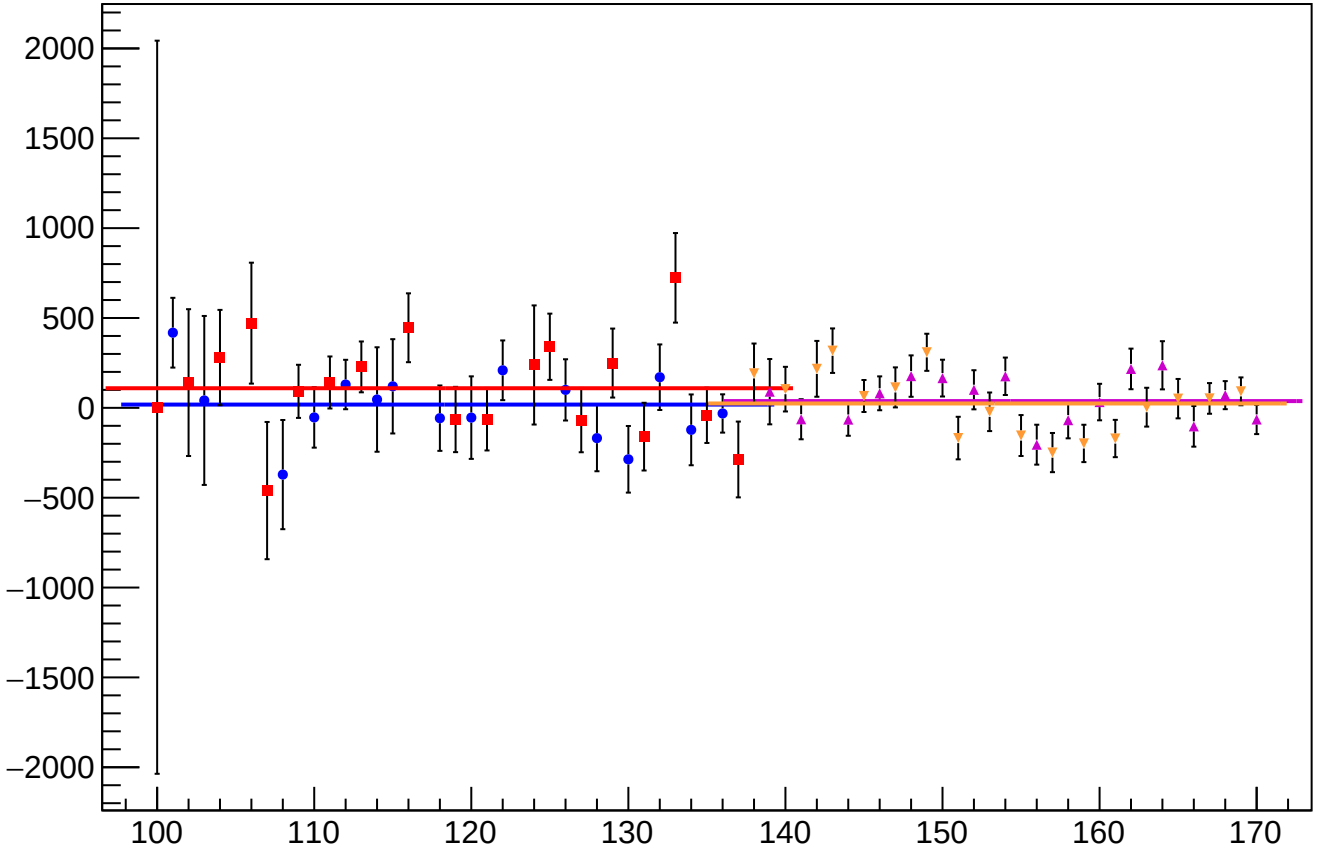
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 949.455+/-0.160 χ^2/NDF:4992721.2/31

Out: 989.490+/-0.164 χ^2/NDF:4911491.6/35

All: 968.954+/-0.114 χ^2/NDF: 9934895.5/67

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 24.316+/-25.947 χ^2/NDF:37.7/16

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 37.565+/-25.848 χ^2/NDF:21.4/15

Left: 30.966+/-18.312 χ^2/NDF: 59.3/32

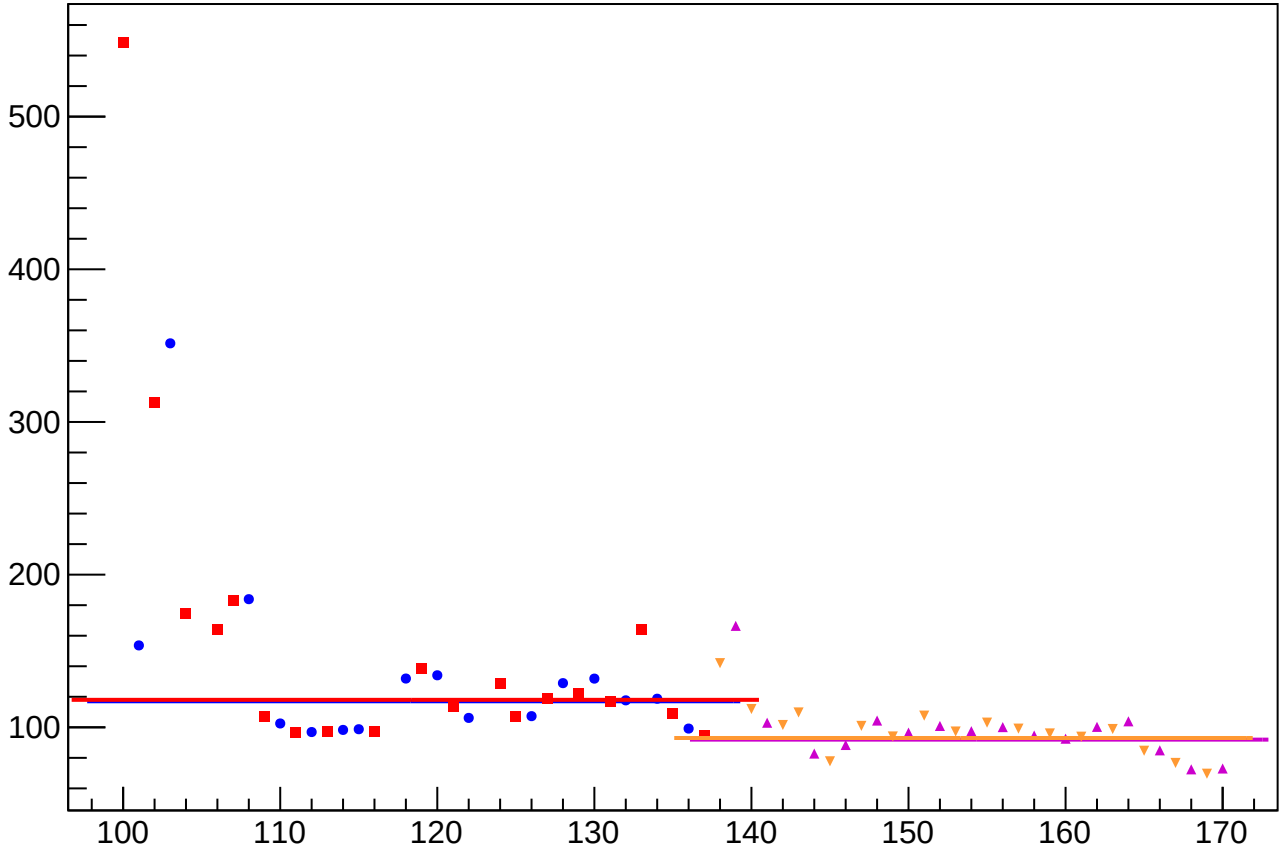
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 32.870+/-22.499 χ^2/NDF:35.4/31

Out: 44.909+/-22.579 χ^2/NDF:65.7/35

All: 38.868+/-15.937 χ^2/NDF: 101.3/67

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 93.009+/-0.018 χ^2/NDF:662767.8/16

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

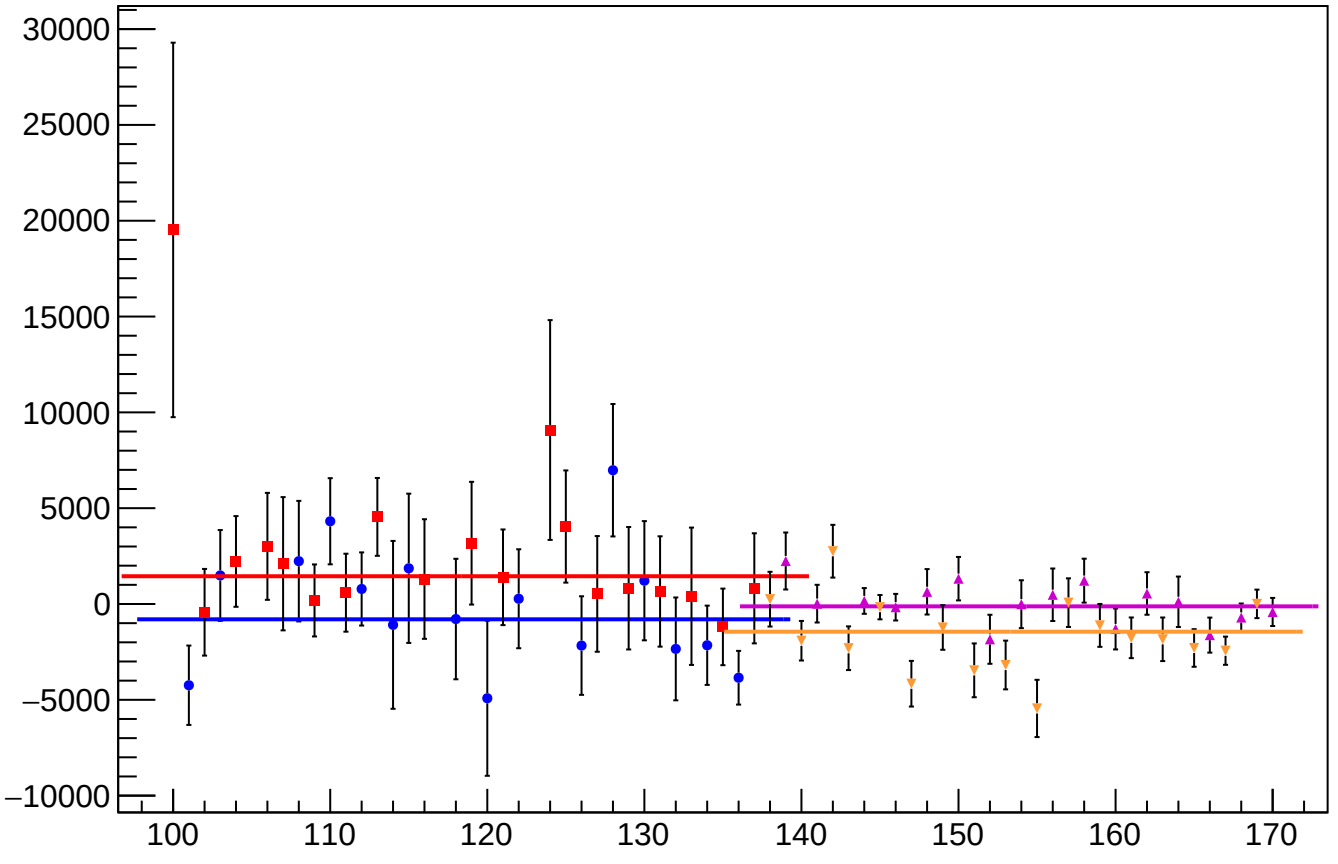
Left: 92.474+/-0.013 χ^2/NDF: 1369658.5/32

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 98.030+/-0.016 χ^2/NDF:2021373.1/31

Out: 99.077+/-0.016 χ^2/NDF:2099906.7/35

All: 98.551+/-0.011 χ^2/NDF: 4123439.5/67



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1445.651+/-250.004 χ^2/NDF:40.0/16

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -123.244+/-242.420 χ^2/NDF:13.2/15

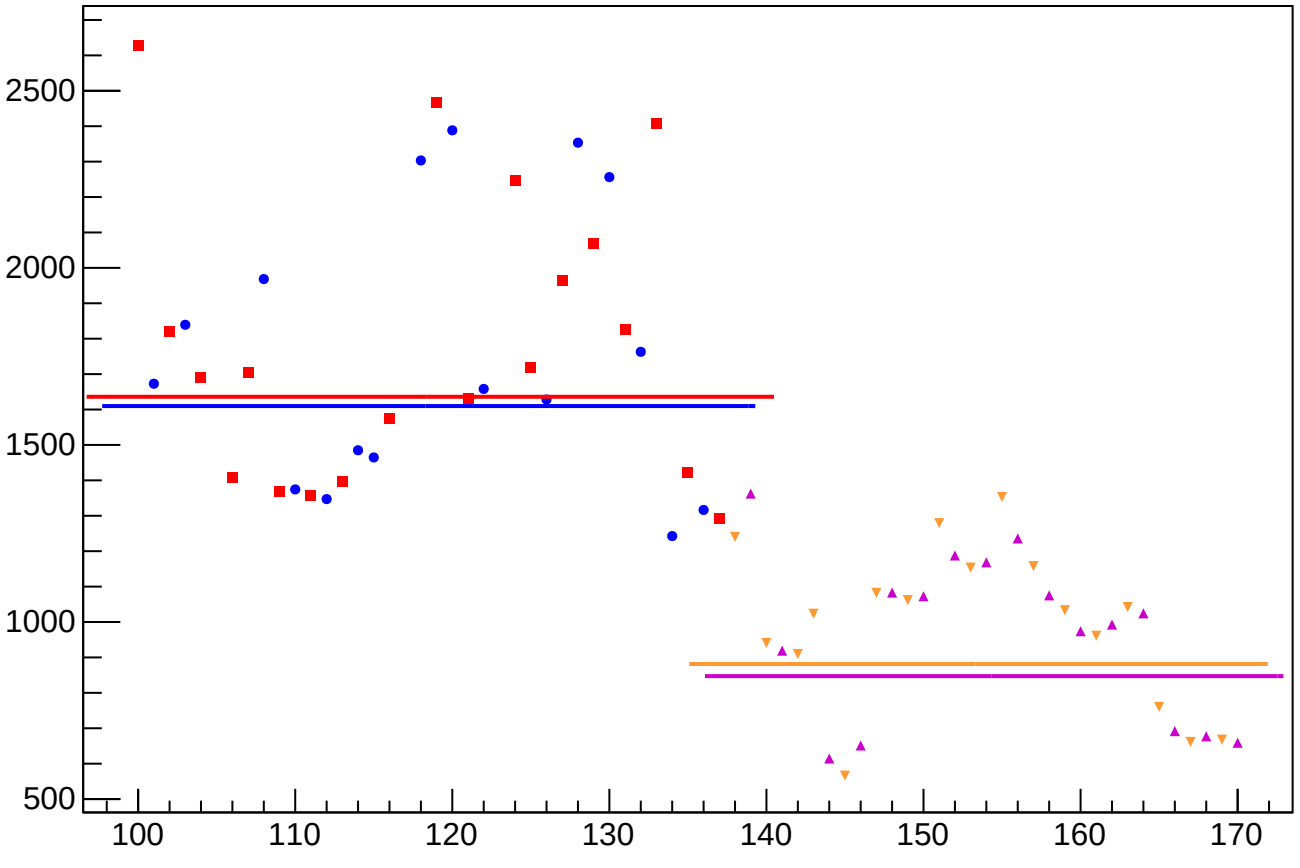
Left: -764.086+/-174.036 χ^2/NDF: 67.7/32

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -213.878+/-225.581 χ^2/NDF:37.7/31

Out: -1034.586+/-231.569 χ^2/NDF:71.5/35

All: -613.483+/-161.585 χ^2/NDF: 115.7/67



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 881.450+/-0.177 χ^2/NDF:1771518.5/16

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 847.191+/-0.171 χ^2/NDF:1719563.2/15

Left: 863.793+/-0.123 χ^2/NDF: 3510438.3/32

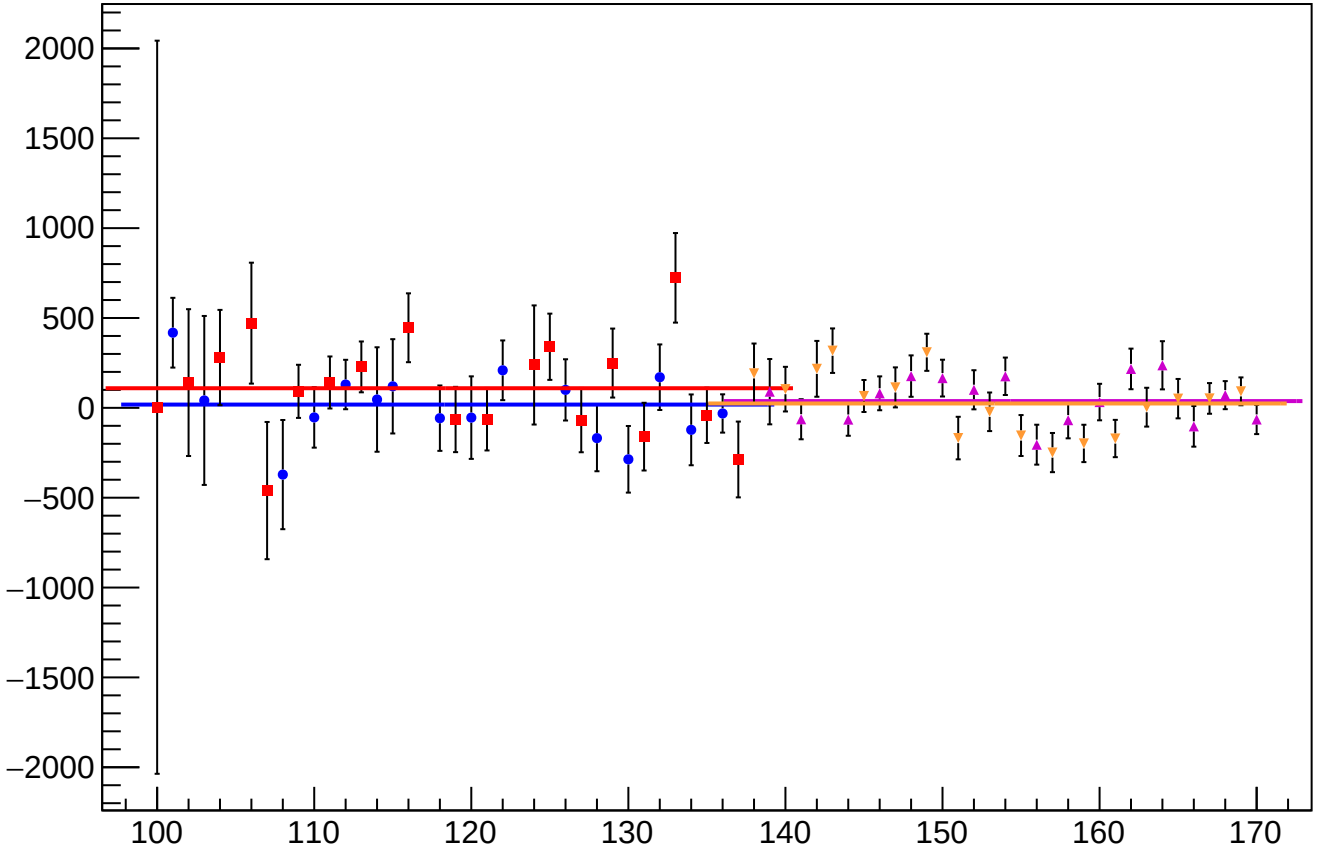
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 949.455+/-0.160 χ^2/NDF:4992782.7/31

Out: 988.630+/-0.164 χ^2/NDF:4887328.7/35

All: 968.529+/-0.114 χ^2/NDF: 9909480.8/67

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 24.316+/-25.947 χ^2/NDF:37.7/16

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 37.565+/-25.848 χ^2/NDF:21.4/15

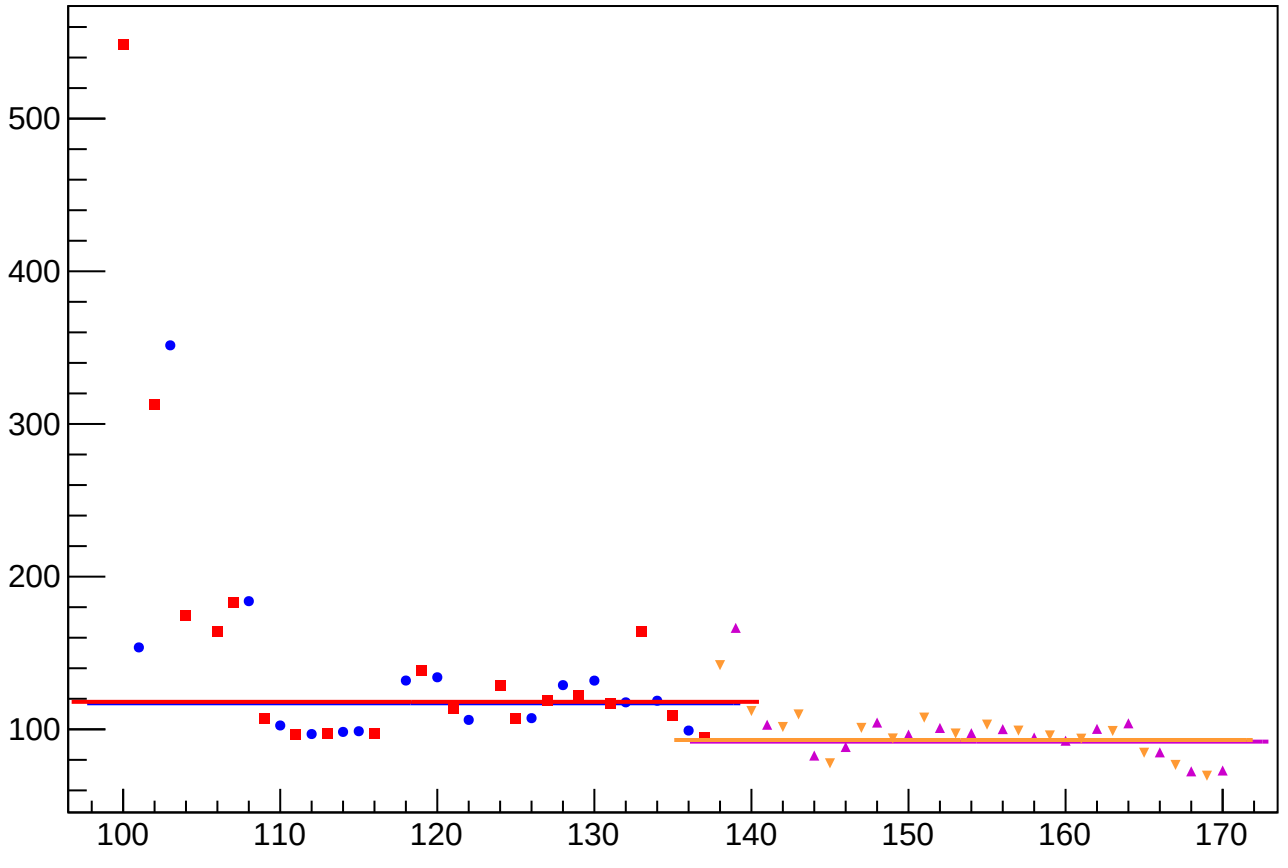
Left: 30.966+/-18.312 χ^2/NDF: 59.3/32

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 32.870+/-22.499 χ^2/NDF:35.4/31

Out: 44.909+/-22.579 χ^2/NDF:65.7/35

All: 38.868+/-15.937 χ^2/NDF: 101.3/67



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 93.009+/-0.018 χ^2/NDF:662767.8/16

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

Left: 92.474+/-0.013 χ^2/NDF: 1369658.5/32

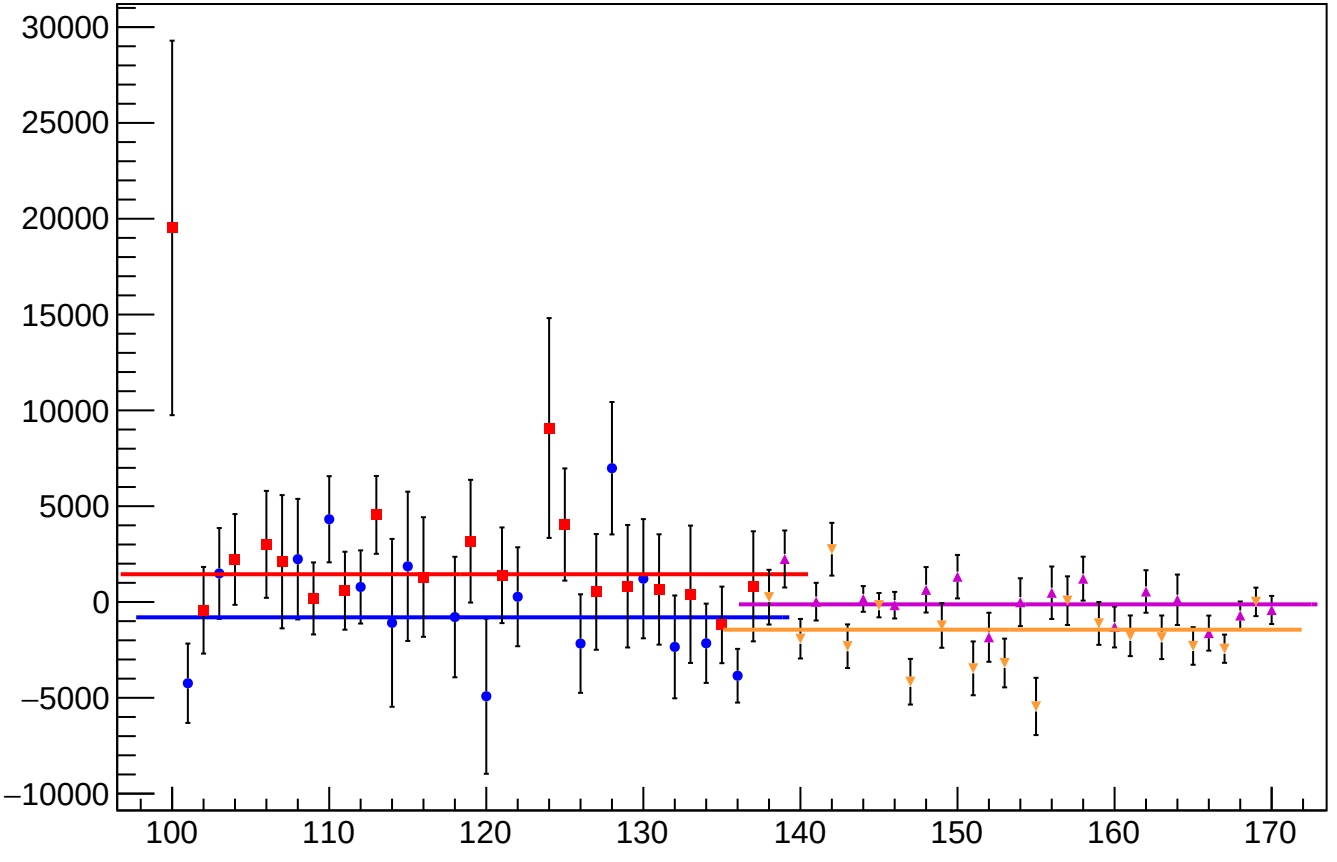
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 98.030+/-0.016 χ^2/NDF:2021373.1/31

Out: 99.077+/-0.016 χ^2/NDF:2099906.7/35

All: 98.551+/-0.011 χ^2/NDF: 4123439.5/67

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1445.651+/-250.004 χ^2/NDF:40.0/16

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -123.244+/-242.420 χ^2/NDF:13.2/15

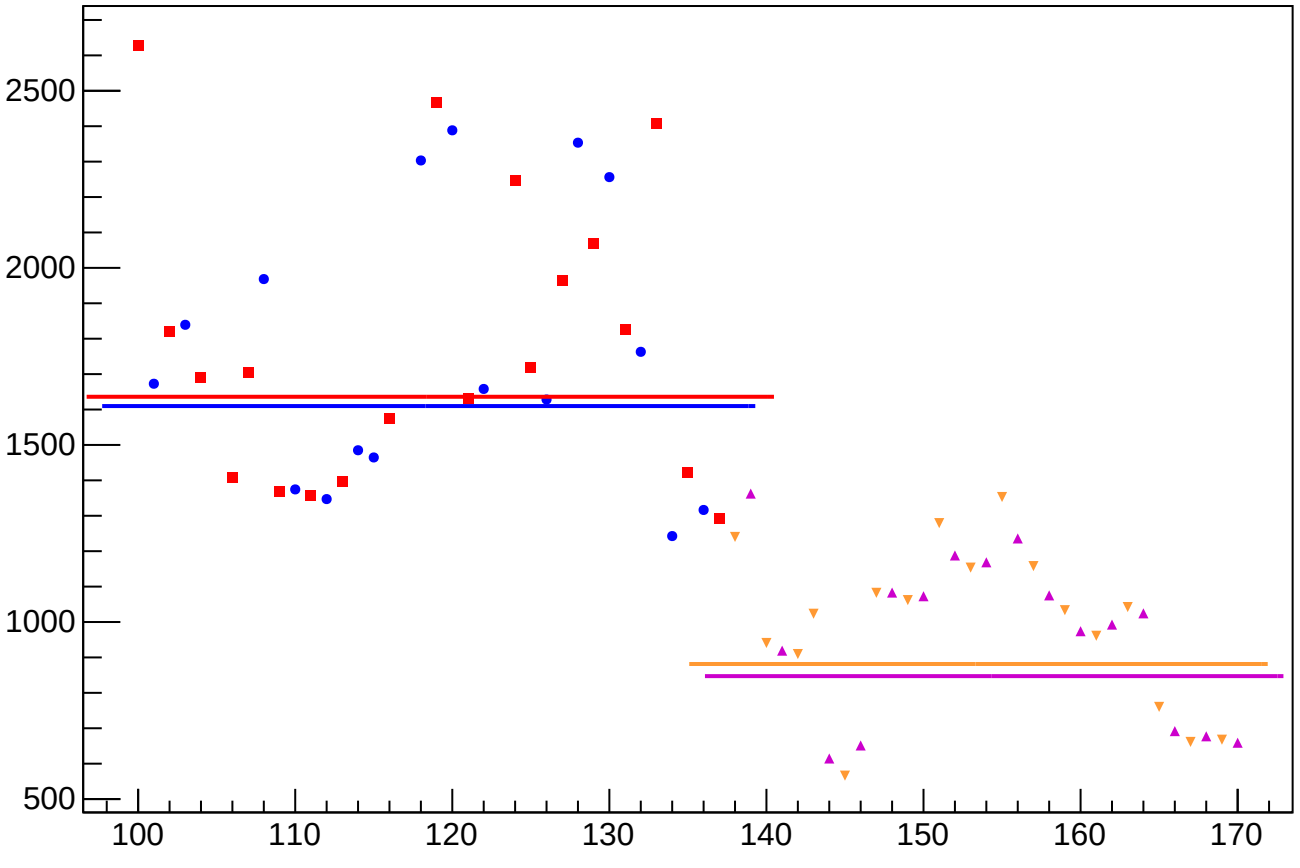
Left: -764.086+/-174.036 χ^2/NDF: 67.7/32

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -213.878+/-225.581 χ^2/NDF:37.7/31

Out: -1034.586+/-231.569 χ^2/NDF:71.5/35

All: -613.483+/-161.585 χ^2/NDF: 115.7/67



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 881.450+/-0.177 χ^2/NDF:1771518.5/16

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 847.191+/-0.171 χ^2/NDF:1719563.2/15

Left: 863.793+/-0.123 χ^2/NDF: 3510438.3/32

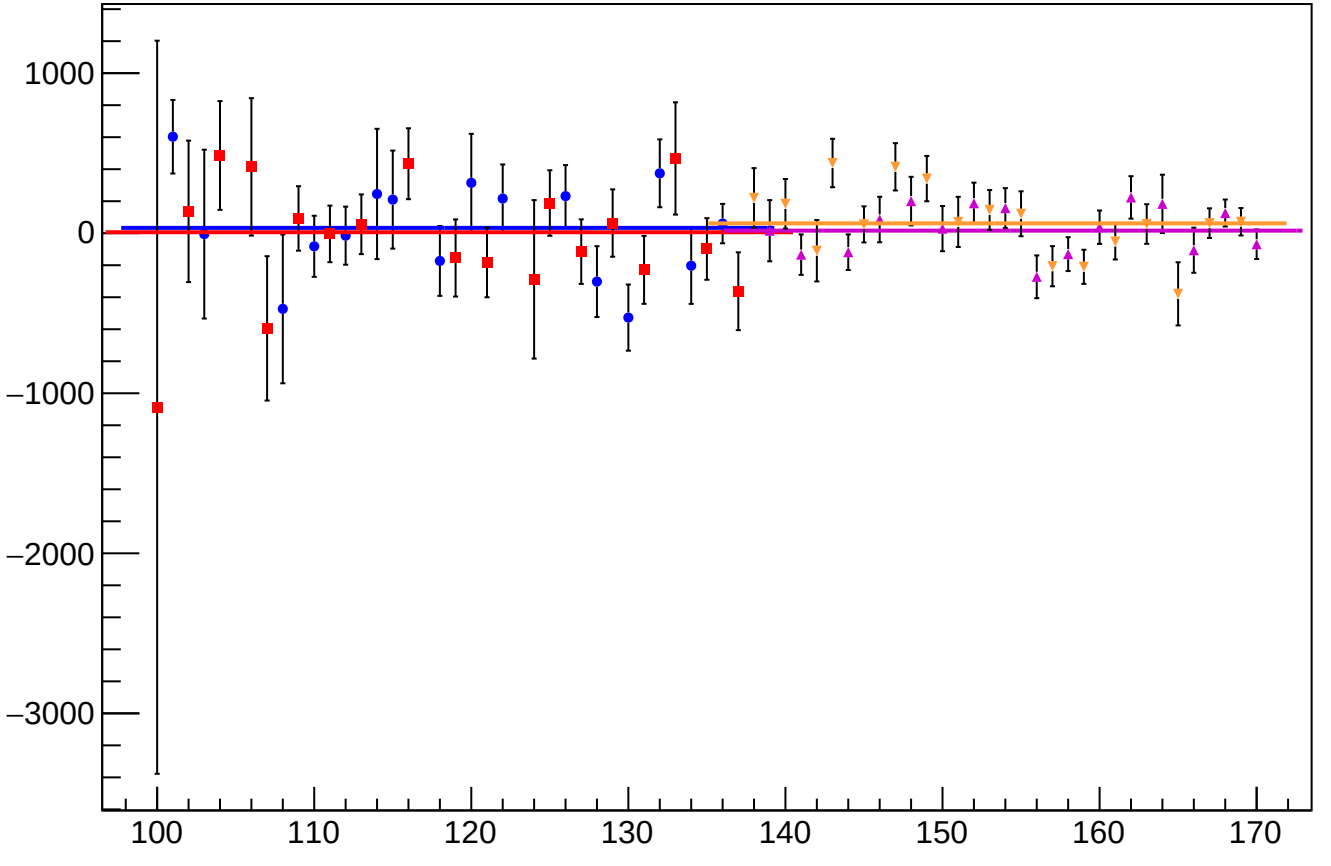
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 949.455+/-0.160 χ^2/NDF:4992782.7/31

Out: 988.630+/-0.164 χ^2/NDF:4887328.7/35

All: 968.529+/-0.114 χ^2/NDF: 9909480.8/67

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 61.550+/-30.924 χ^2/NDF:35.7/16

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 16.140+/-30.550 χ^2/NDF:20.9/15

Left: 38.569+/-21.733 χ^2/NDF: 57.6/32

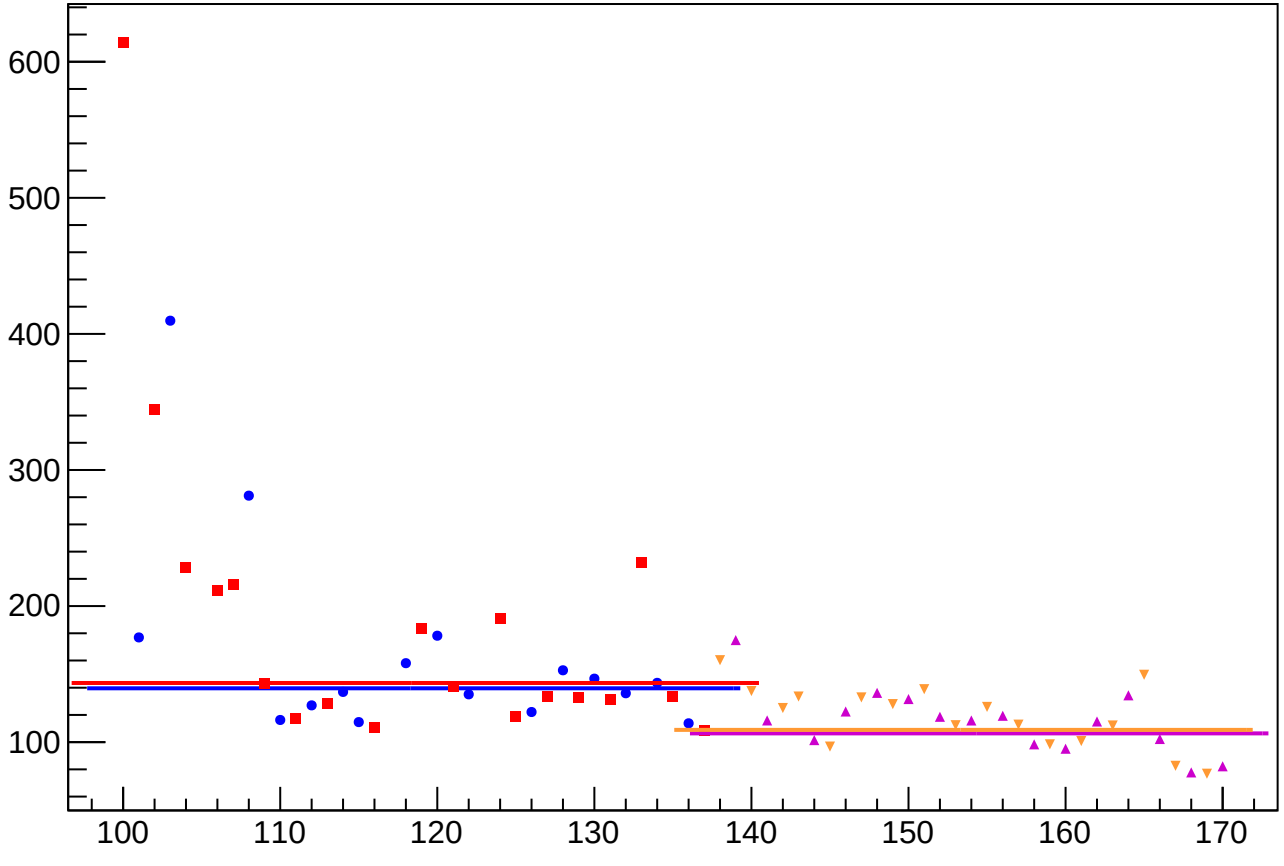
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 20.237+/-26.696 χ^2/NDF:46.1/31

Out: 48.626+/-27.081 χ^2/NDF:53.7/35

All: 34.228+/-19.012 χ^2/NDF: 100.4/67

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 109.018+/-0.022 χ^2/NDF:1063148.4/16

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 106.442+/-0.022 χ^2/NDF:949095.7/15

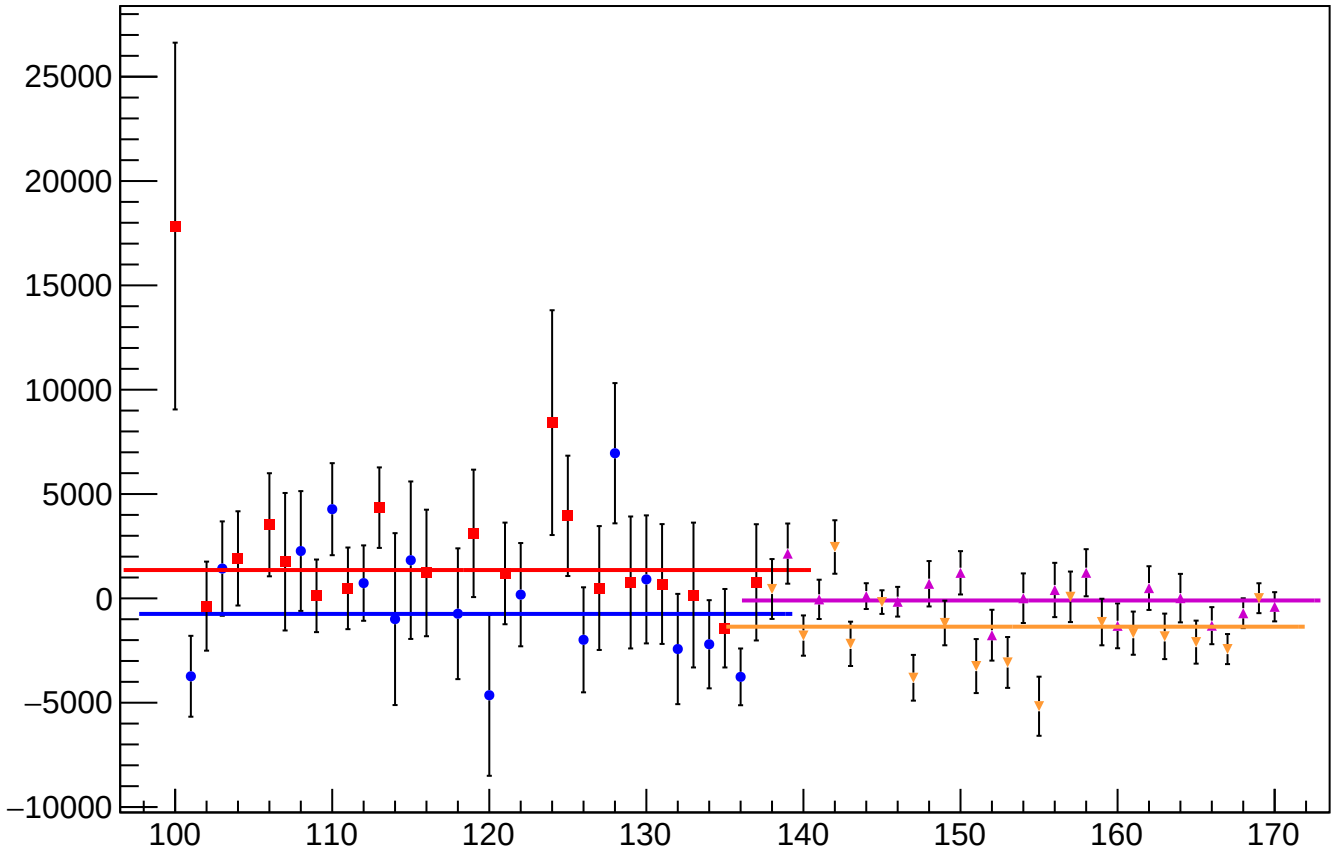
Left: 107.714+/-0.015 χ^2/NDF: 2019269.2/32

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 114.272+/-0.019 χ^2/NDF:2481665.1/31

Out: 117.051+/-0.019 χ^2/NDF:2758793.0/35

All: 115.642+/-0.013 χ^2/NDF: 5251141.1/67



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1357.020+/-237.490 χ^2/NDF:40.0/16

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: -100.452+/-232.404 χ^2/NDF:12.5/15

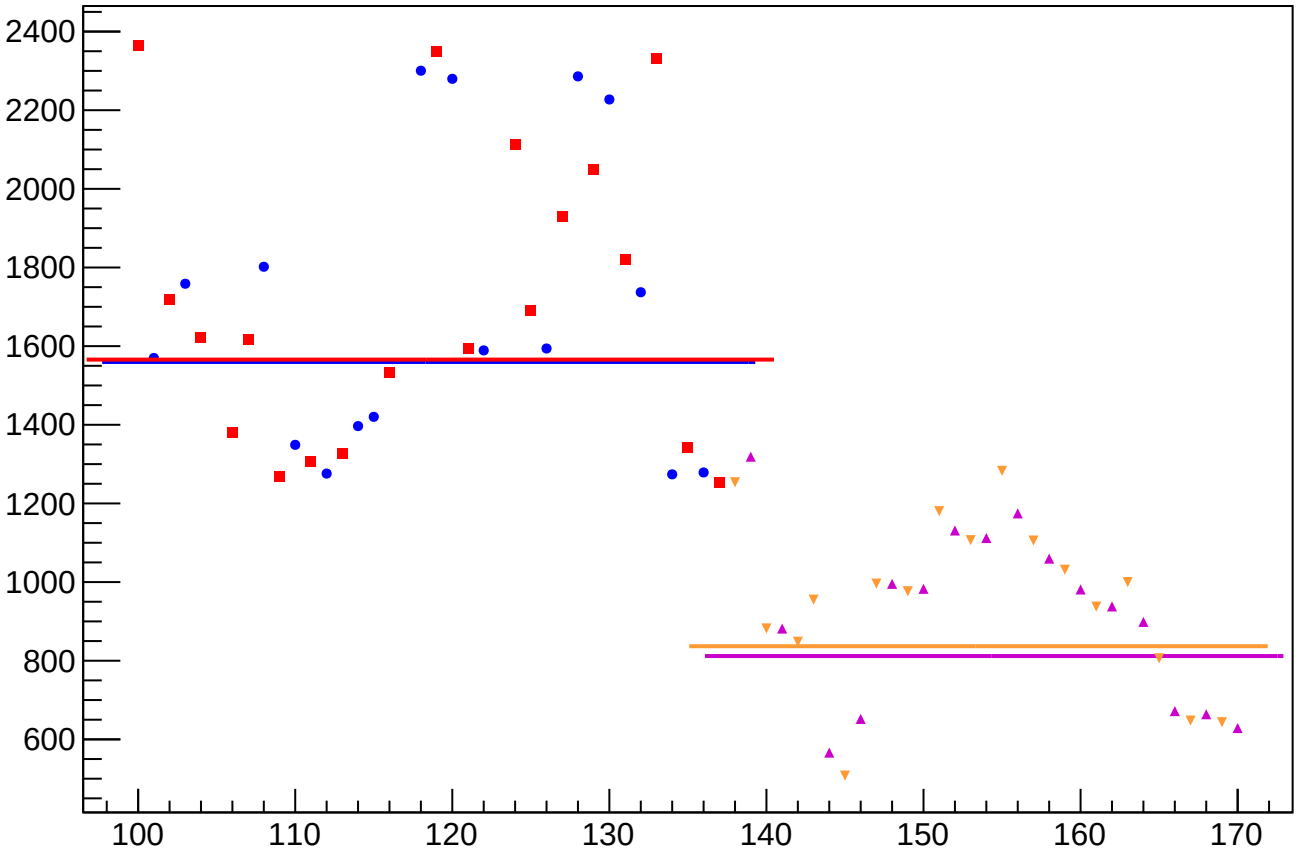
Left: -715.138+/-166.103 χ^2/NDF: 66.8/32

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -185.528+/-216.515 χ^2/NDF:37.0/31

Out: -973.802+/-220.091 χ^2/NDF:72.0/35

All: -573.210+/-154.348 χ^2/NDF: 115.5/67



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 836.889+/-0.168 χ^2/NDF:1896197.5/16

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 811.914+/-0.164 χ^2/NDF:1665246.1/15

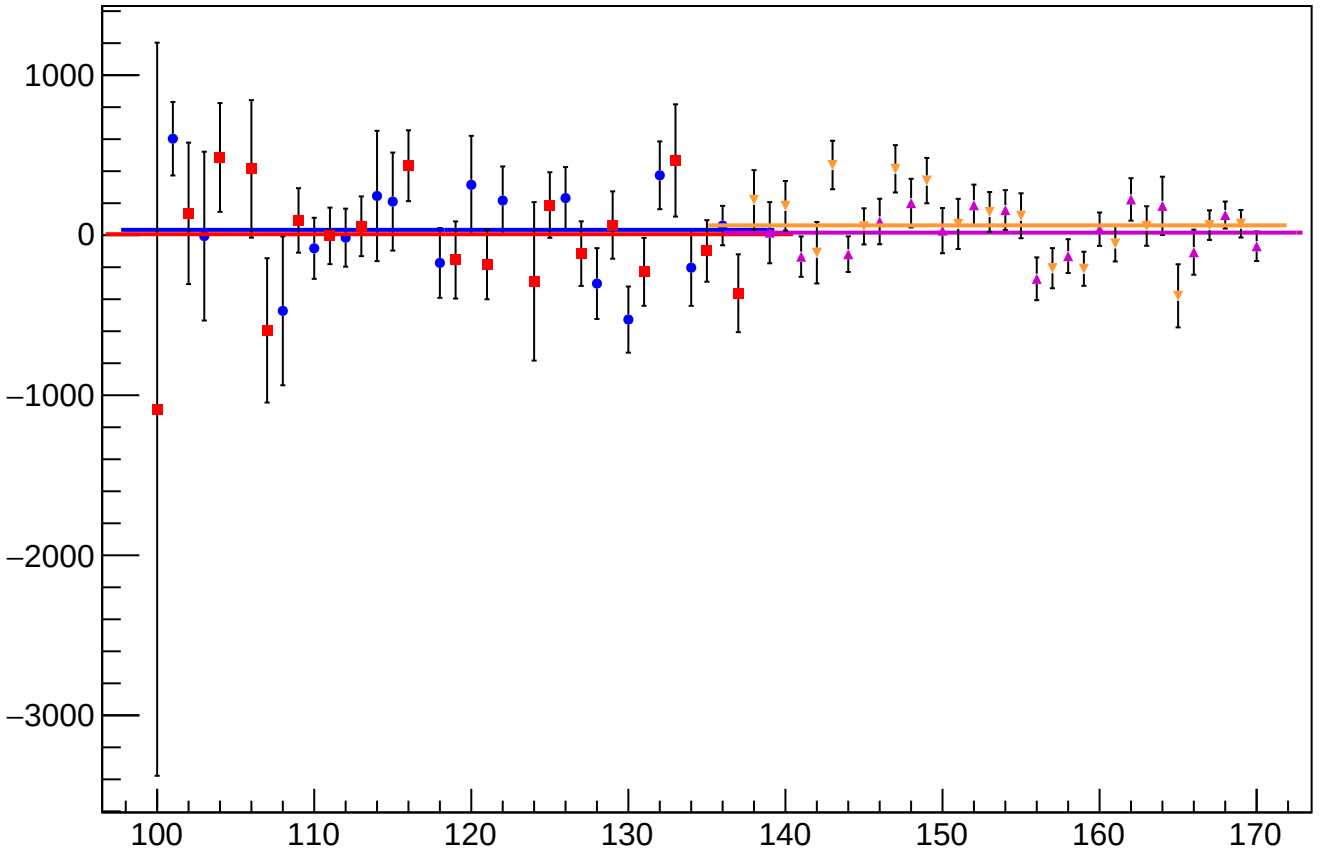
Left: 824.131+/-0.117 χ^2/NDF: 3572741.4/32

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 910.669+/-0.153 χ^2/NDF:5004102.3/31

Out: 939.779+/-0.156 χ^2/NDF:5119506.2/35

All: 924.986+/-0.109 χ^2/NDF: 10141387.5/67



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 61.552+/-30.924 χ^2/NDF:35.7/16

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 16.139+/-30.550 χ^2/NDF:20.9/15

Left: 38.569+/-21.733 χ^2/NDF: 57.6/32

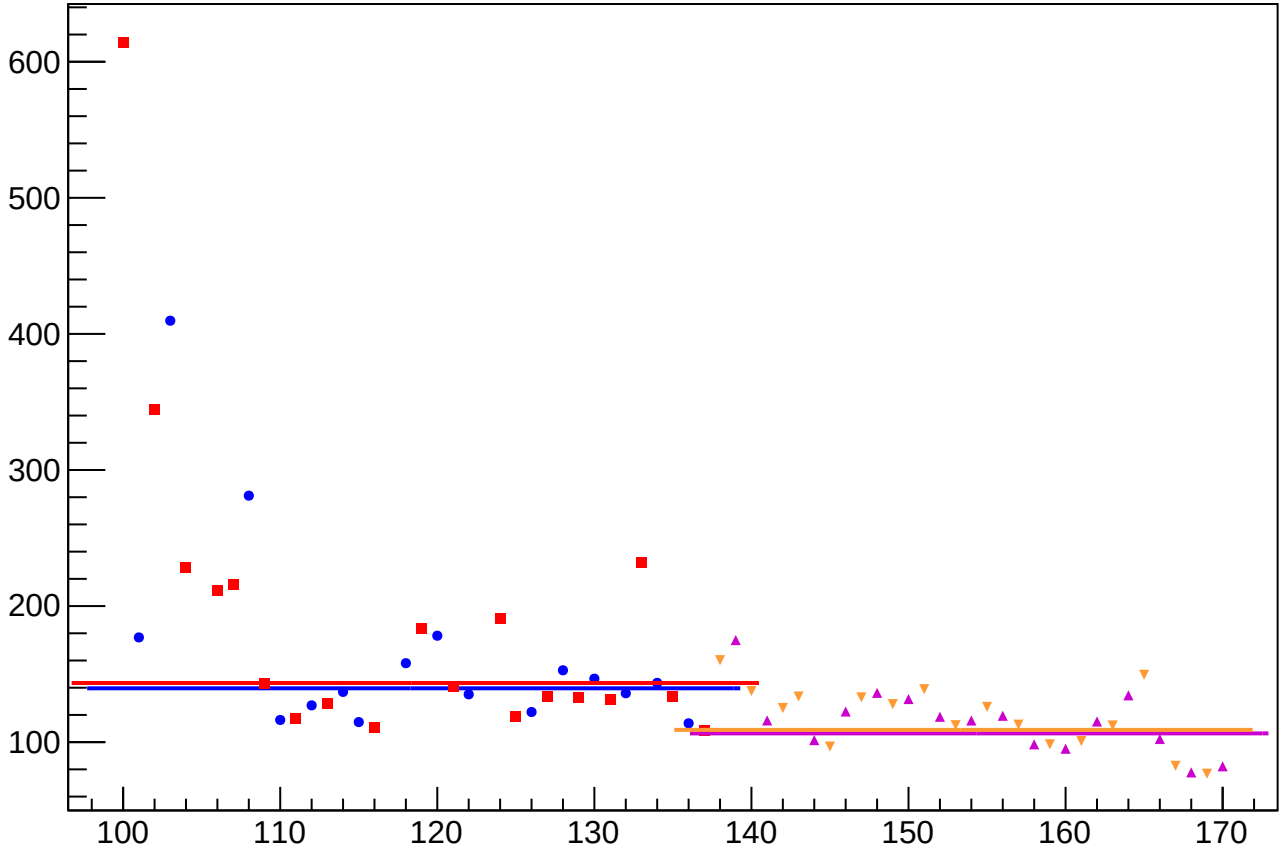
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 20.235+/-26.696 χ^2/NDF:46.1/31

Out: 48.626+/-27.081 χ^2/NDF:53.7/35

All: 34.227+/-19.012 χ^2/NDF: 100.4/67

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 109.018+/-0.022 χ^2/NDF:1063171.9/16

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 106.442+/-0.022 χ^2/NDF:949112.7/15

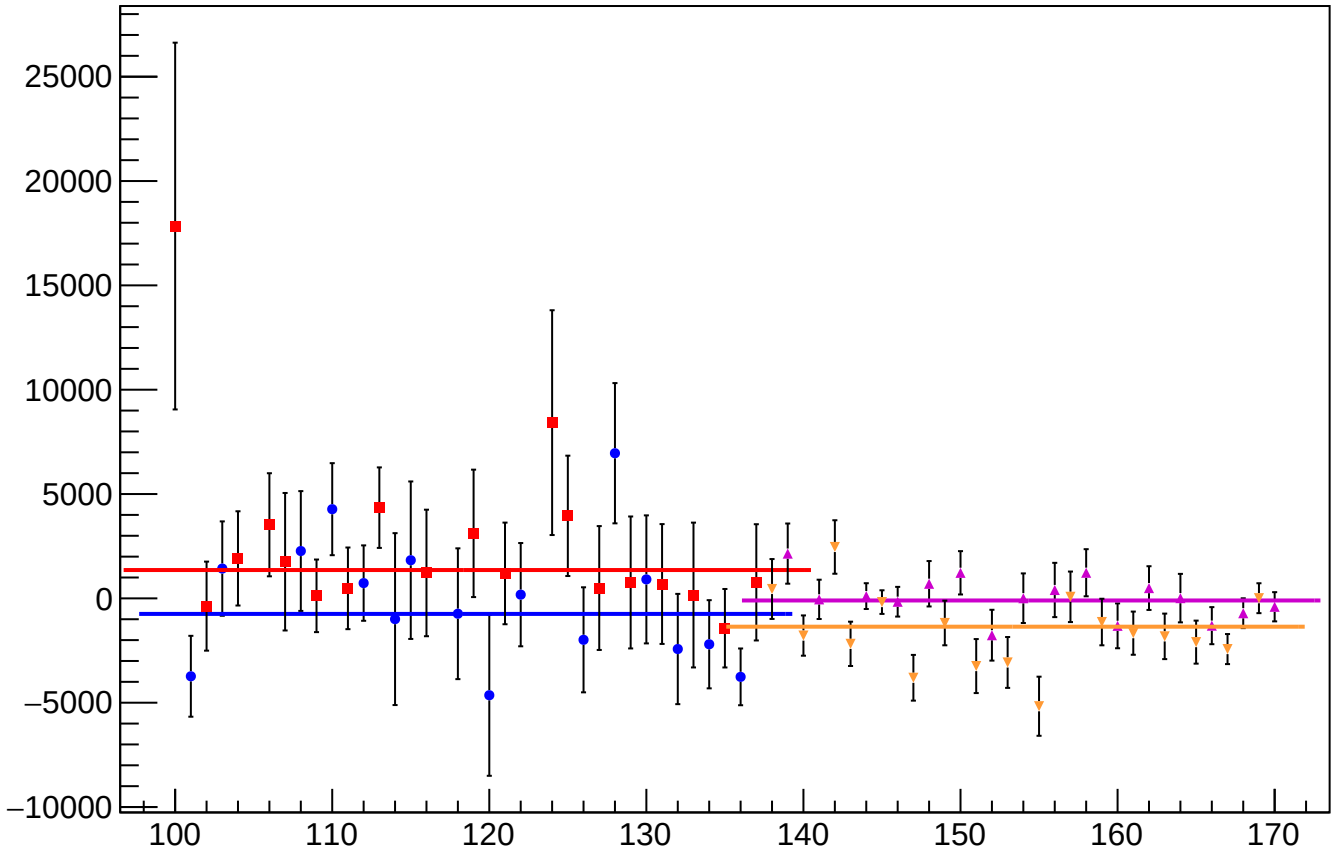
Left: 107.714+/-0.015 χ^2/NDF: 2019310.1/32

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 114.272+/-0.019 χ^2/NDF:2481680.9/31

Out: 117.052+/-0.019 χ^2/NDF:2758822.5/35

All: 115.642+/-0.013 χ^2/NDF: 5251186.9/67



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1357.021+/-237.489 χ^2/NDF:40.0/16

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: -100.453+/-232.404 χ^2/NDF:12.5/15

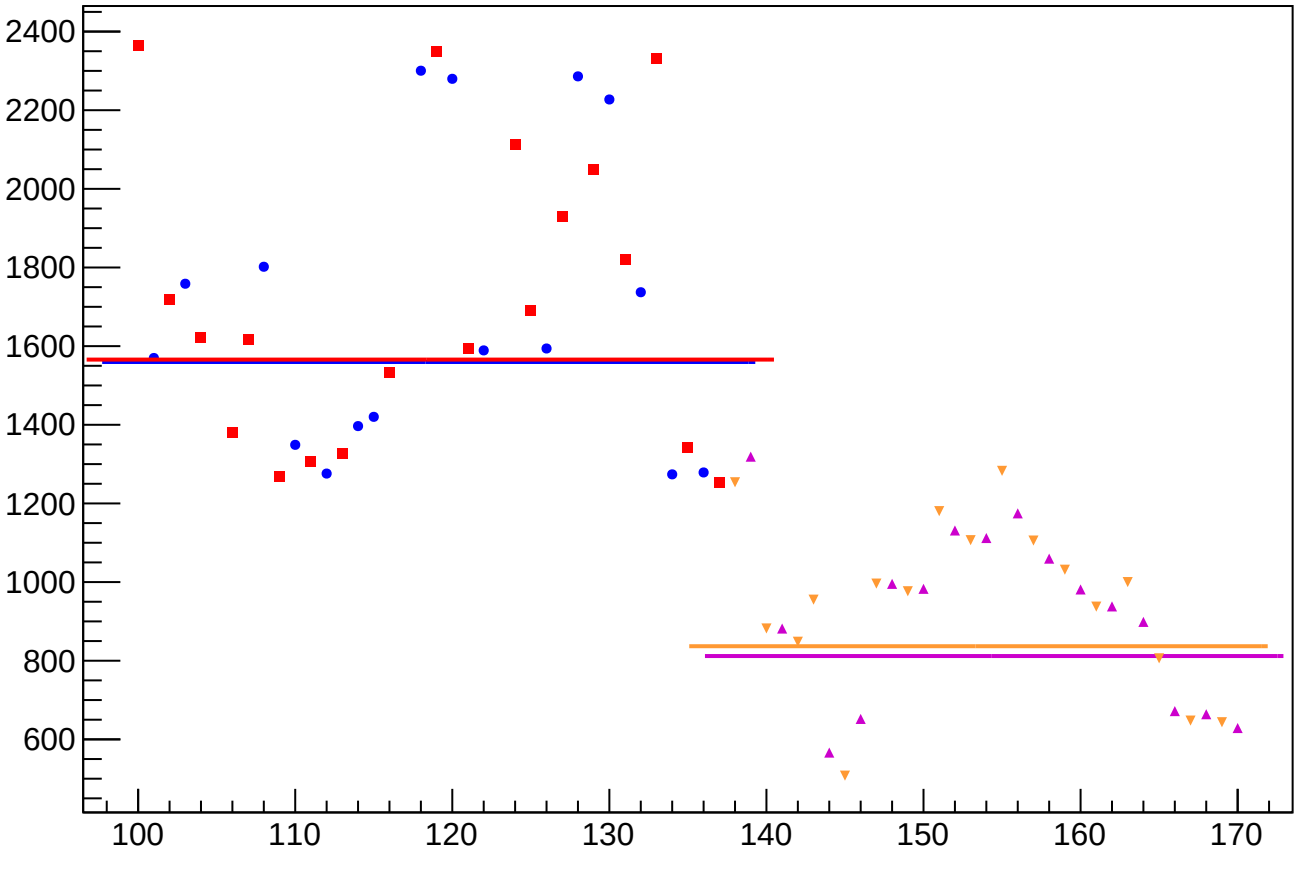
Left: -715.139+/-166.103 χ^2/NDF: 66.8/32

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -185.528+/-216.515 χ^2/NDF:37.0/31

Out: -973.802+/-220.091 χ^2/NDF:72.0/35

All: -573.210+/-154.348 χ^2/NDF: 115.5/67



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 836.888+/-0.168 χ^2/NDF:1896192.1/16

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 811.914+/-0.164 χ^2/NDF:1665241.0/15

Left: 824.130+/-0.117 χ^2/NDF: 3572730.9/32

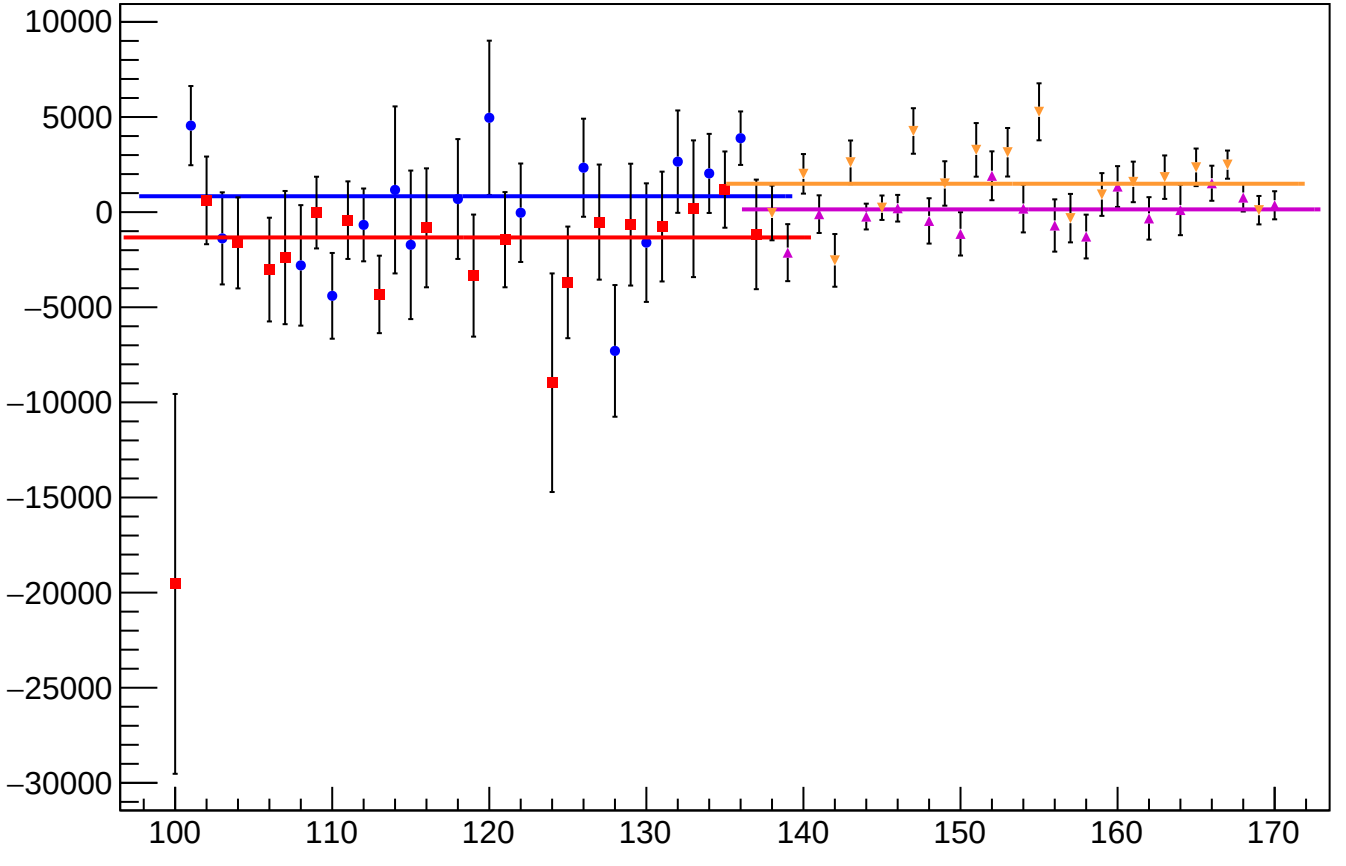
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 910.669+/-0.153 χ^2/NDF:5004096.8/31

Out: 939.778+/-0.156 χ^2/NDF:5119496.2/35

All: 924.985+/-0.109 χ^2/NDF: 10141372.0/67

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1492.635+/-251.549 χ^2/NDF:38.1/16

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 144.903+/-244.015 χ^2/NDF:12.5/15

Left: 798.284+/-175.148 χ^2/NDF: 65.4/32

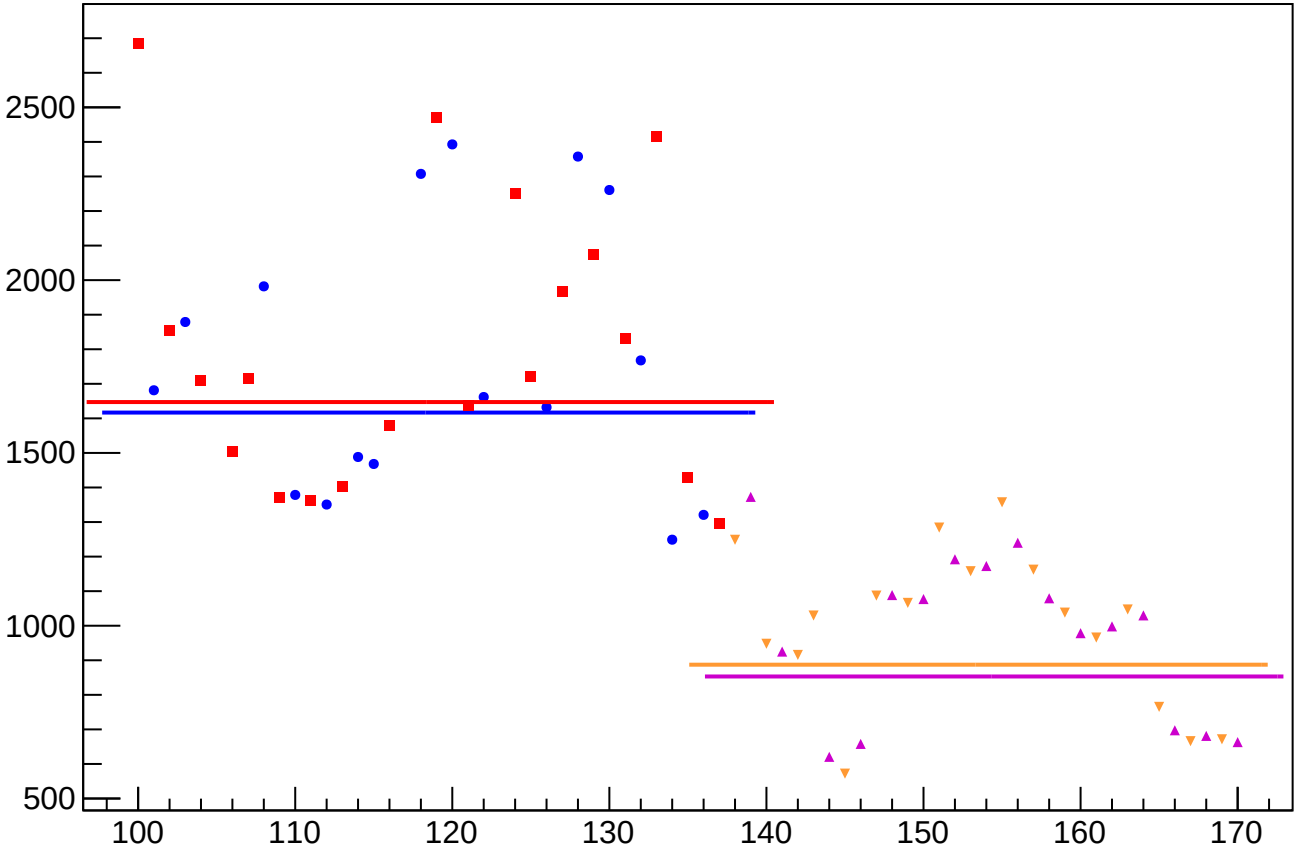
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 237.844+/-227.002 χ^2/NDF:38.5/31

Out: 1089.759+/-232.904 χ^2/NDF:68.2/35

All: 652.872+/-162.561 χ^2/NDF: 113.5/67

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 887.241+/-0.178 χ^2/NDF:1750099.5/16

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 853.139+/-0.173 χ^2/NDF:1698508.9/15

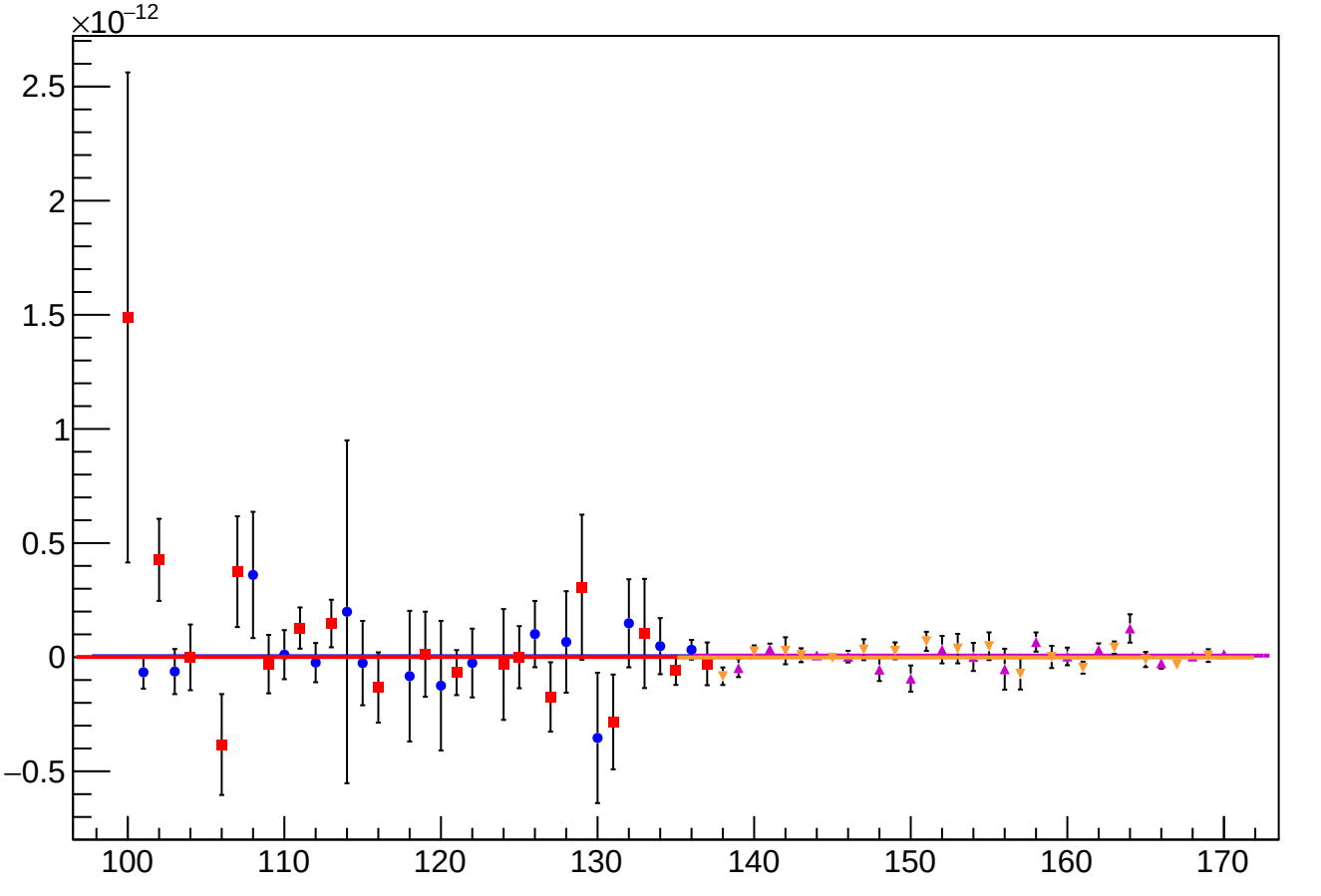
Left: 869.672+/-0.124 χ^2/NDF: 3467545.7/32

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 955.914+/-0.161 χ^2/NDF:4957043.5/31

Out: 995.732+/-0.165 χ^2/NDF:4880009.2/35

All: 975.312+/-0.115 χ^2/NDF: 9867030.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/15

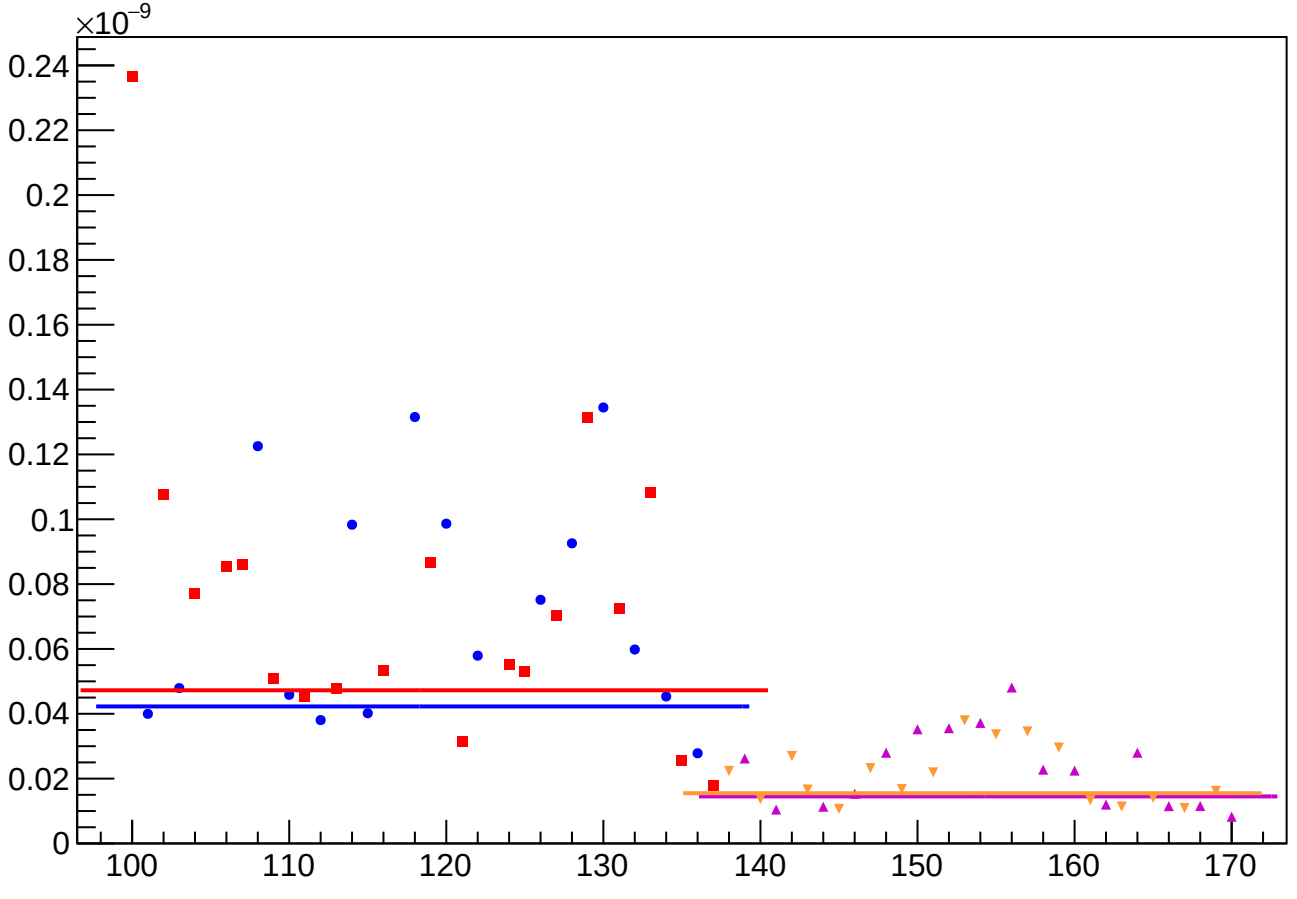
Left: 0.000+/-0.000 χ^2/NDF: 38.0/32

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.1/31

Out: -0.000+/-0.000 χ^2/NDF:43.6/35

All: 0.000+/-0.000 χ^2/NDF: 68.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1312551.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2068888.4/15

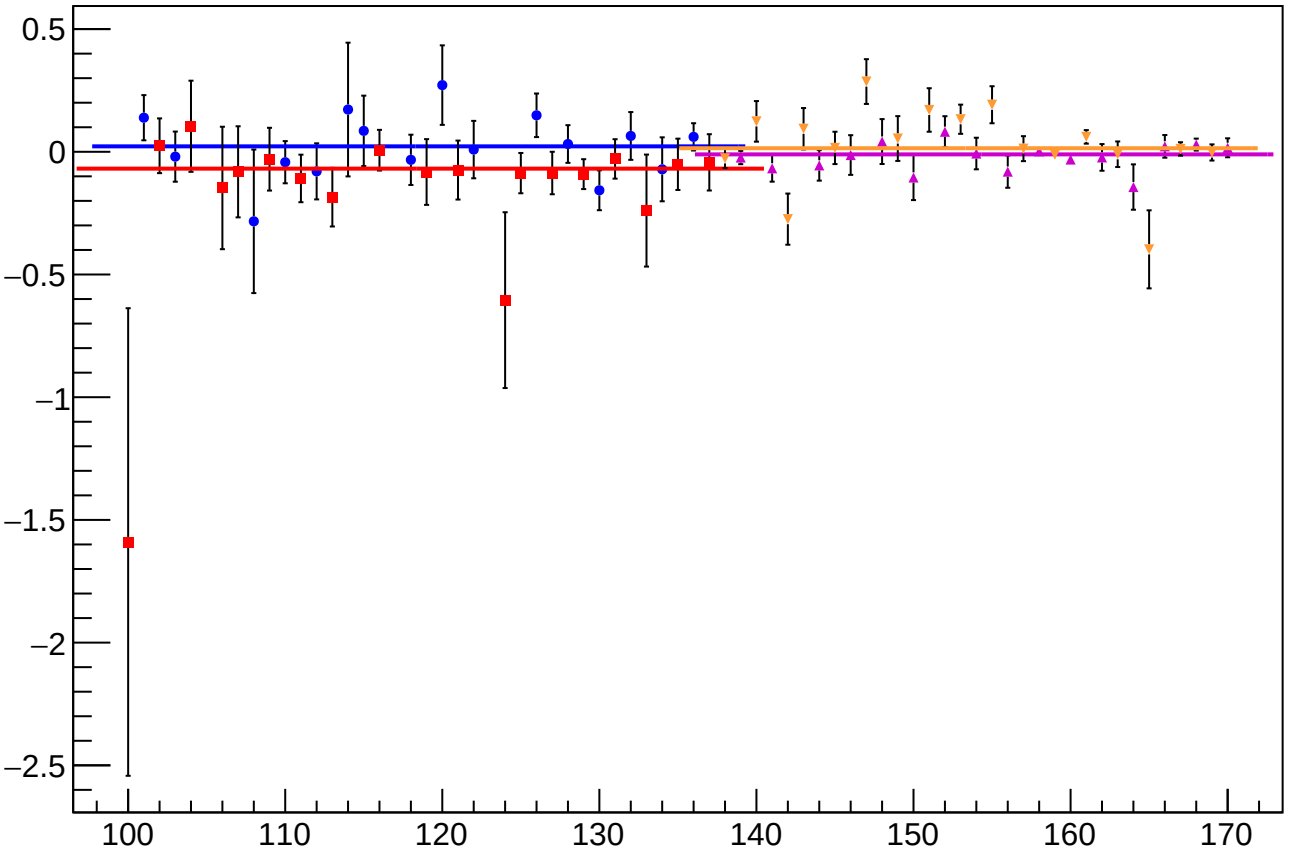
Left: 0.000+/-0.000 χ^2/NDF: 3398189.7/32

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:5147497.6/31

Out: 0.000+/-0.000 χ^2/NDF:4787624.9/35

All: 0.000+/-0.000 χ^2/NDF: 9952061.4/67



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.015+/-0.010 χ^2/NDF:46.0/16

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:14.5/15

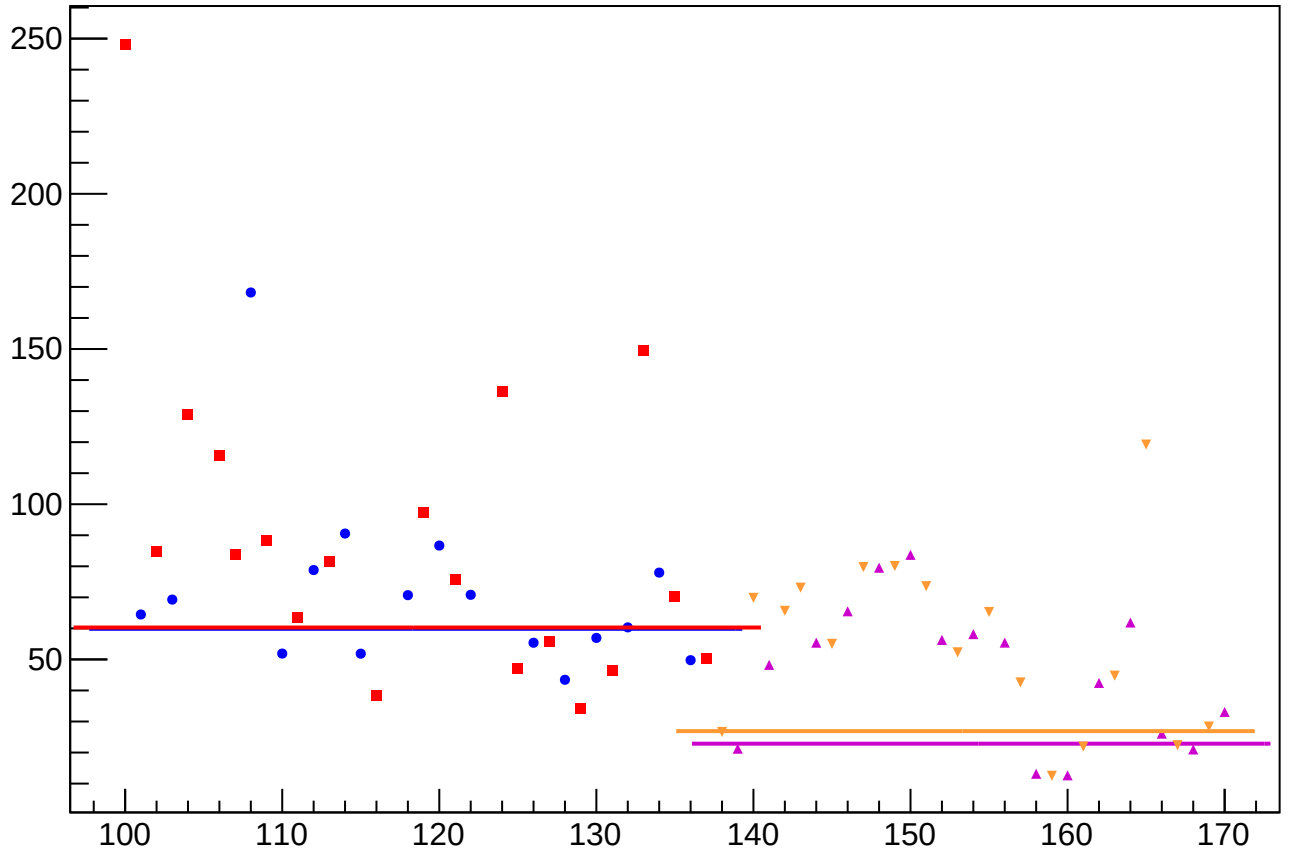
Left: 0.000+/-0.006 χ^2/NDF: 64.3/32

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.009 χ^2/NDF:65.0/35

All: -0.002+/-0.006 χ^2/NDF: 97.5/67



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.905+/-0.007 χ^2/NDF:7525057.9/16

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.858+/-0.006 χ^2/NDF:7131271.5/15

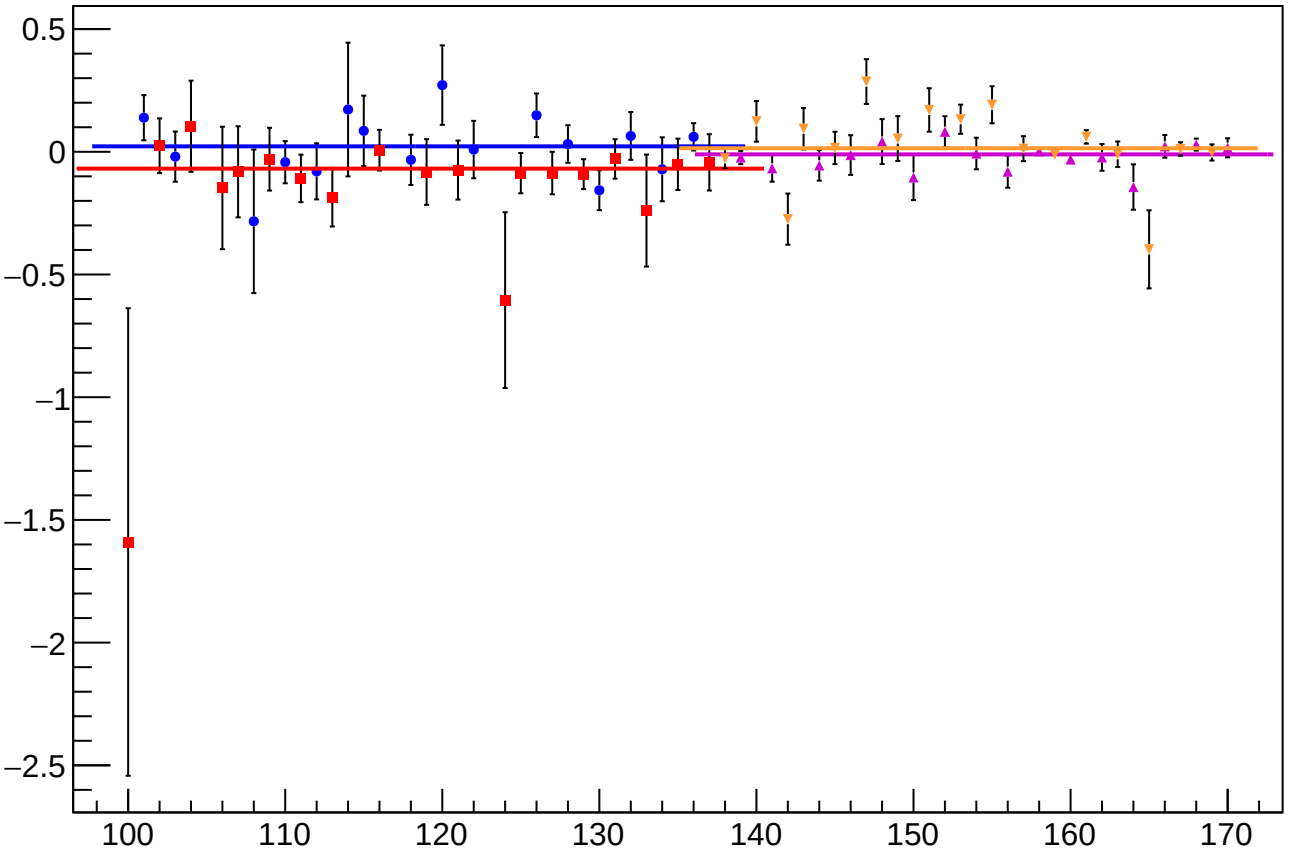
Left: 24.604+/-0.005 χ^2/NDF: 14854141.7/32

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.746+/-0.006 χ^2/NDF:11857088.0/31

Out: 31.191+/-0.006 χ^2/NDF:12540734.7/35

All: 28.693+/-0.004 χ^2/NDF: 24668432.6/67



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.015+/-0.010 χ^2/NDF:46.0/16

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:14.5/15

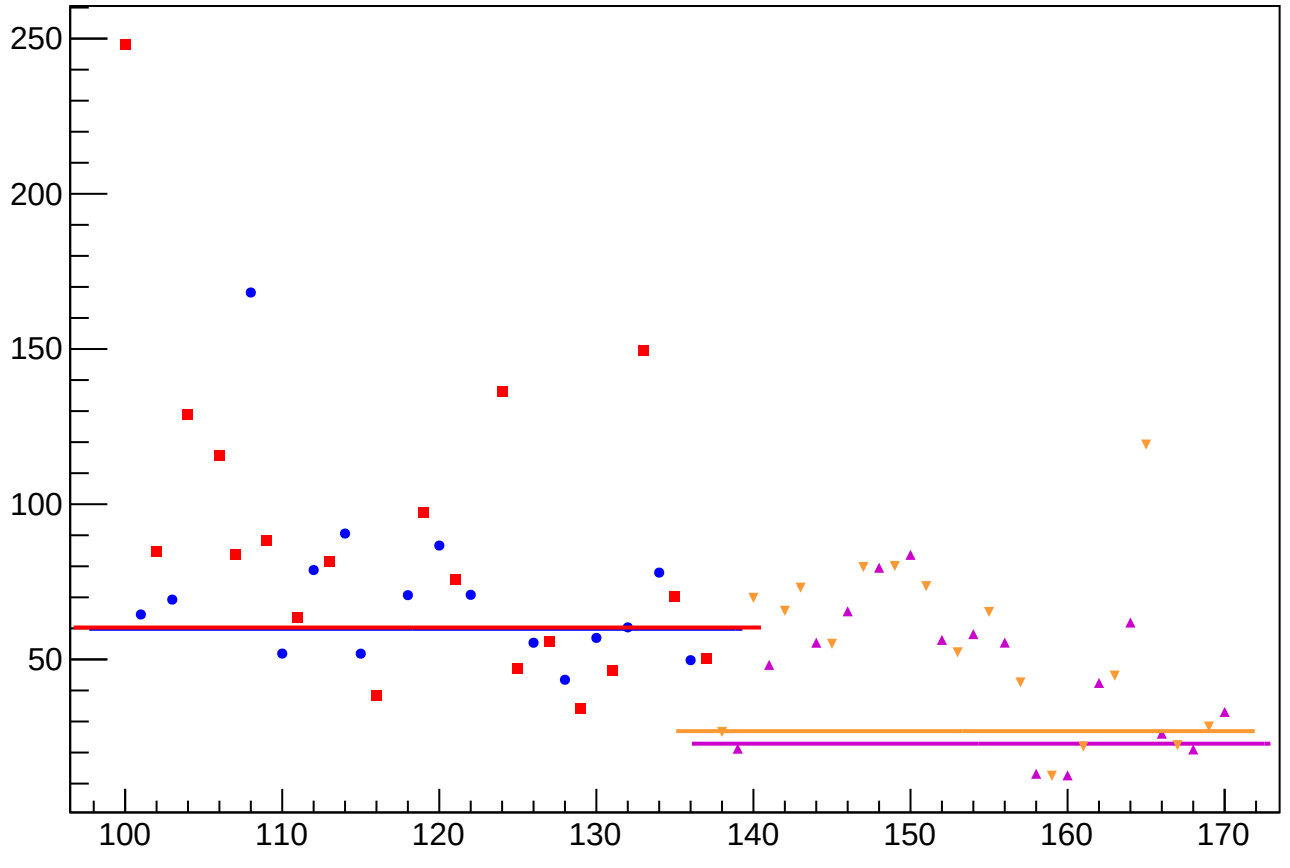
Left: 0.000+/-0.006 χ^2/NDF: 64.3/32

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.009 χ^2/NDF:65.0/35

All: -0.002+/-0.006 χ^2/NDF: 97.5/67



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.905+/-0.007 χ^2/NDF:7525057.9/16

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.858+/-0.006 χ^2/NDF:7131271.5/15

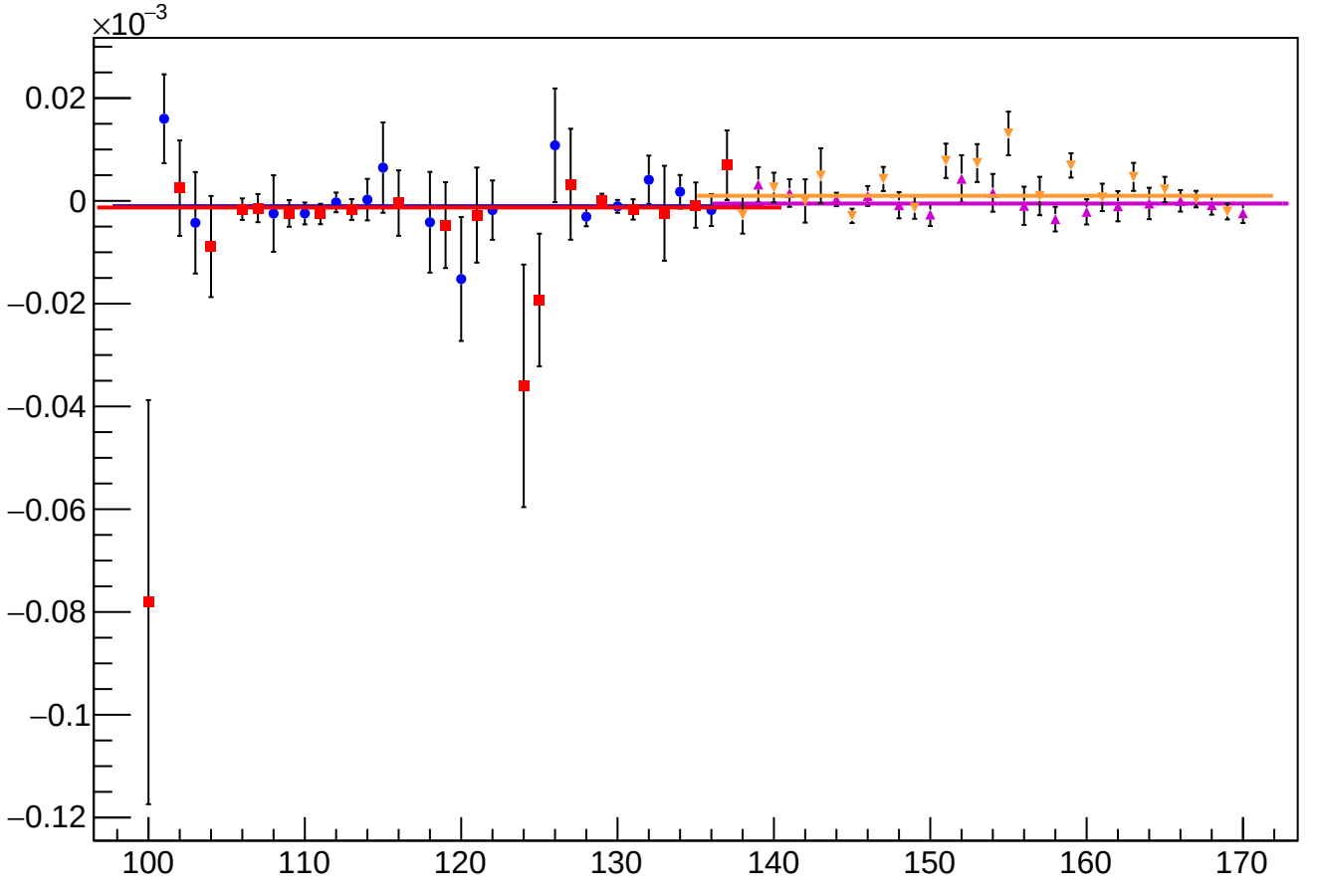
Left: 24.604+/-0.005 χ^2/NDF: 14854141.7/32

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.746+/-0.006 χ^2/NDF:11857088.0/31

Out: 31.191+/-0.006 χ^2/NDF:12540734.7/35

All: 28.693+/-0.004 χ^2/NDF: 24668432.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/15

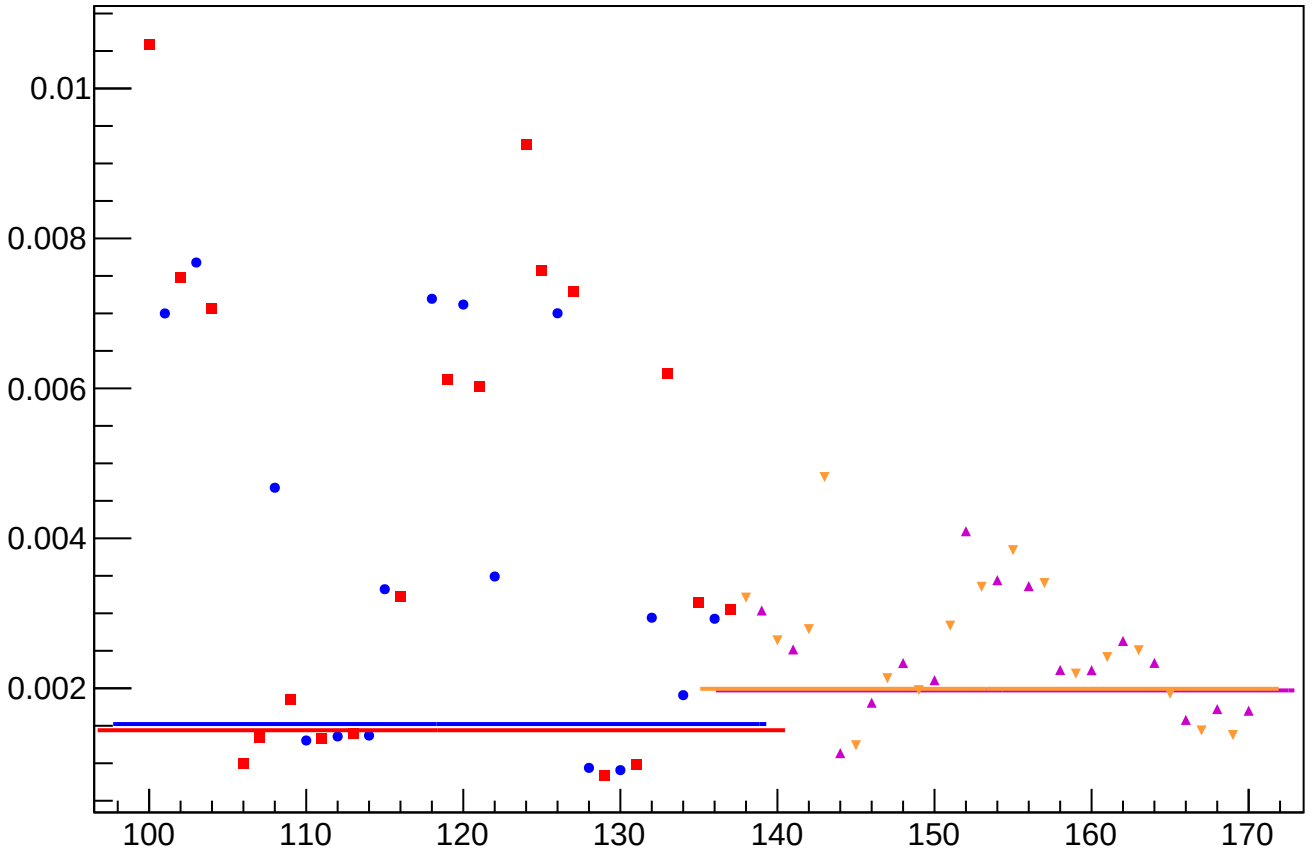
Left: 0.000+/-0.000 χ^2/NDF: 52.2/32

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.8/31

Out: 0.000+/-0.000 χ^2/NDF:59.2/35

All: -0.000+/-0.000 χ^2/NDF: 80.5/67



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3301062.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2520285.2/15

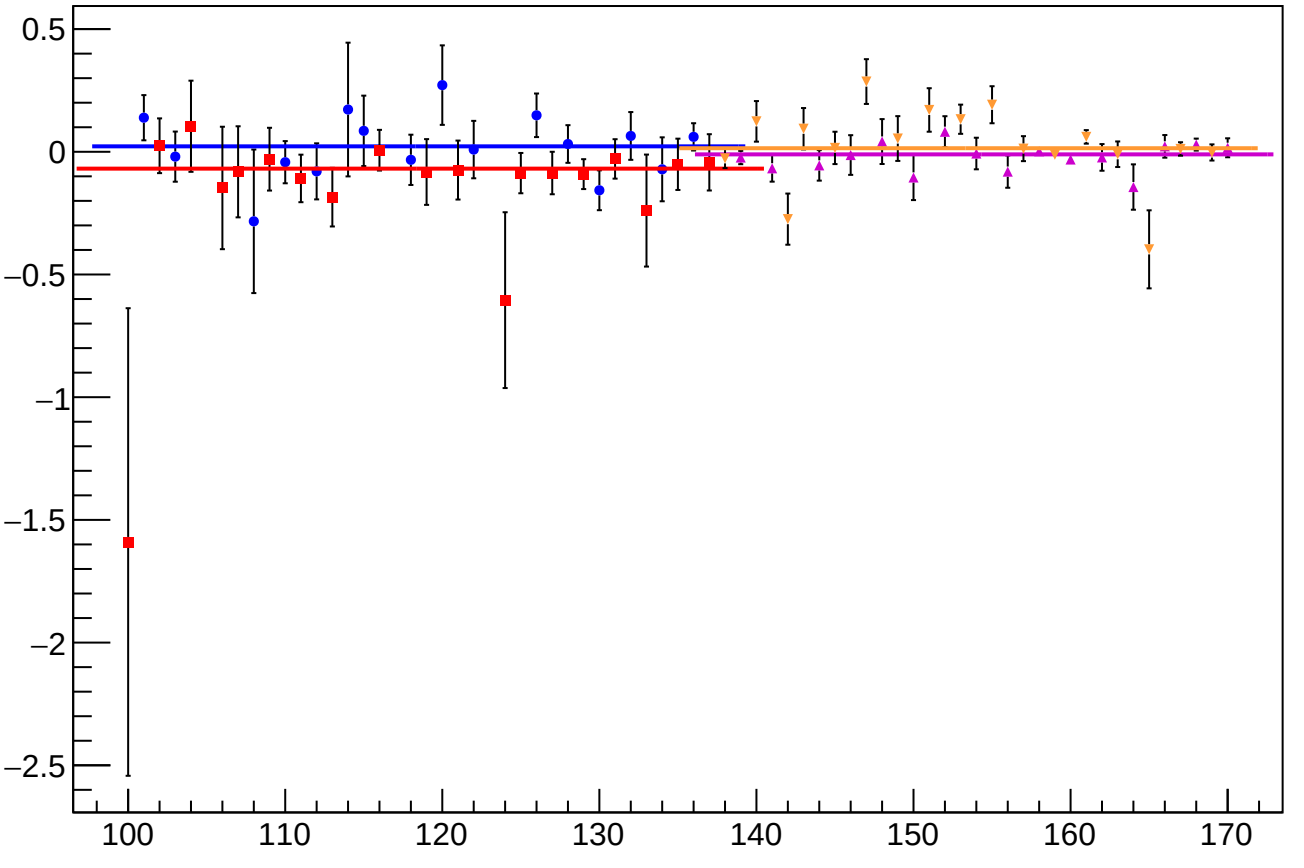
Left: 0.002+/-0.000 χ^2/NDF: 5822732.8/32

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8160363.8/31

Out: 0.002+/-0.000 χ^2/NDF:9824496.6/35

All: 0.002+/-0.000 χ^2/NDF: 17991119.5/67



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.015+/-0.010 χ^2/NDF:46.0/16

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:14.5/15

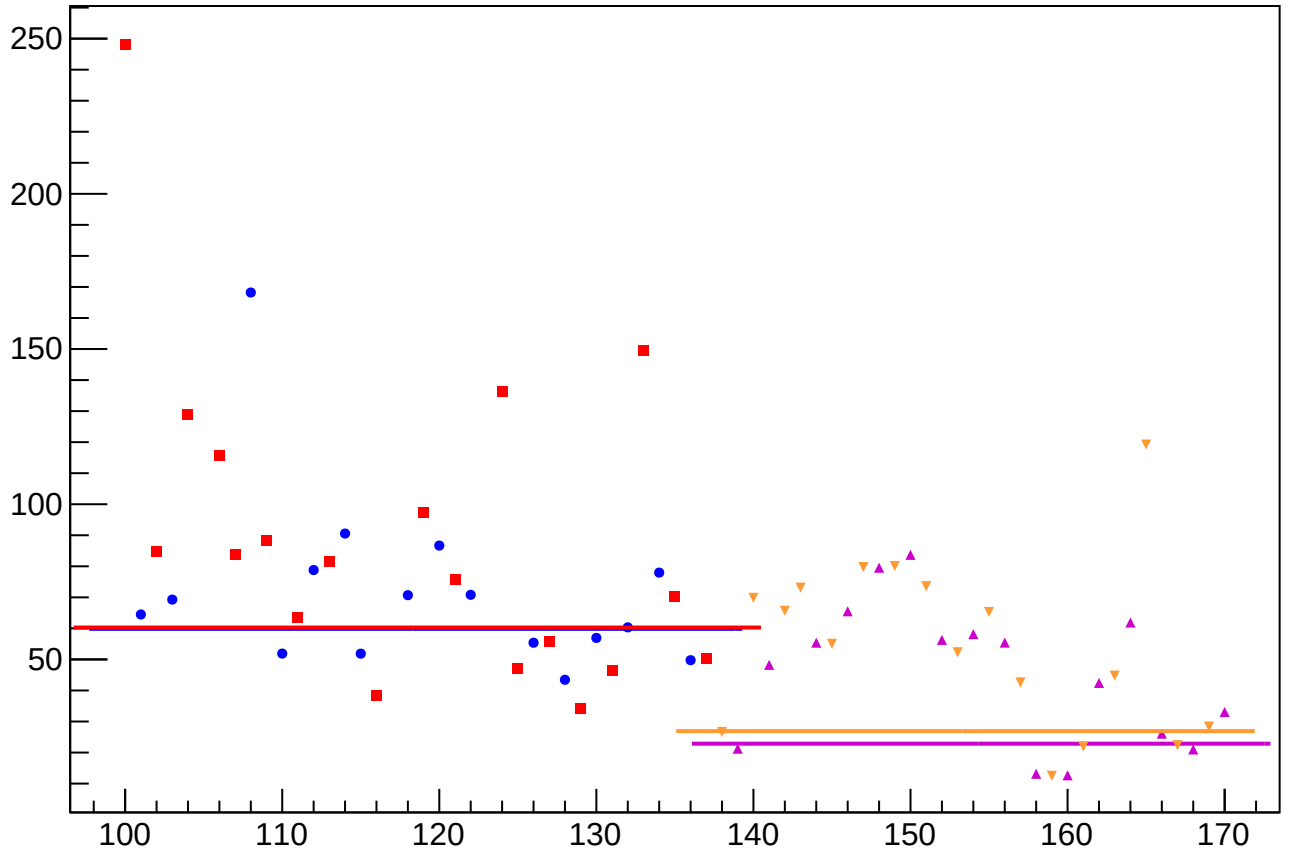
Left: 0.000+/-0.006 χ^2/NDF: 64.3/32

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.009 χ^2/NDF:65.0/35

All: -0.002+/-0.006 χ^2/NDF: 97.5/67



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.903+/-0.007 χ^2/NDF:7526011.3/16

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.857+/-0.006 χ^2/NDF:7131653.3/15

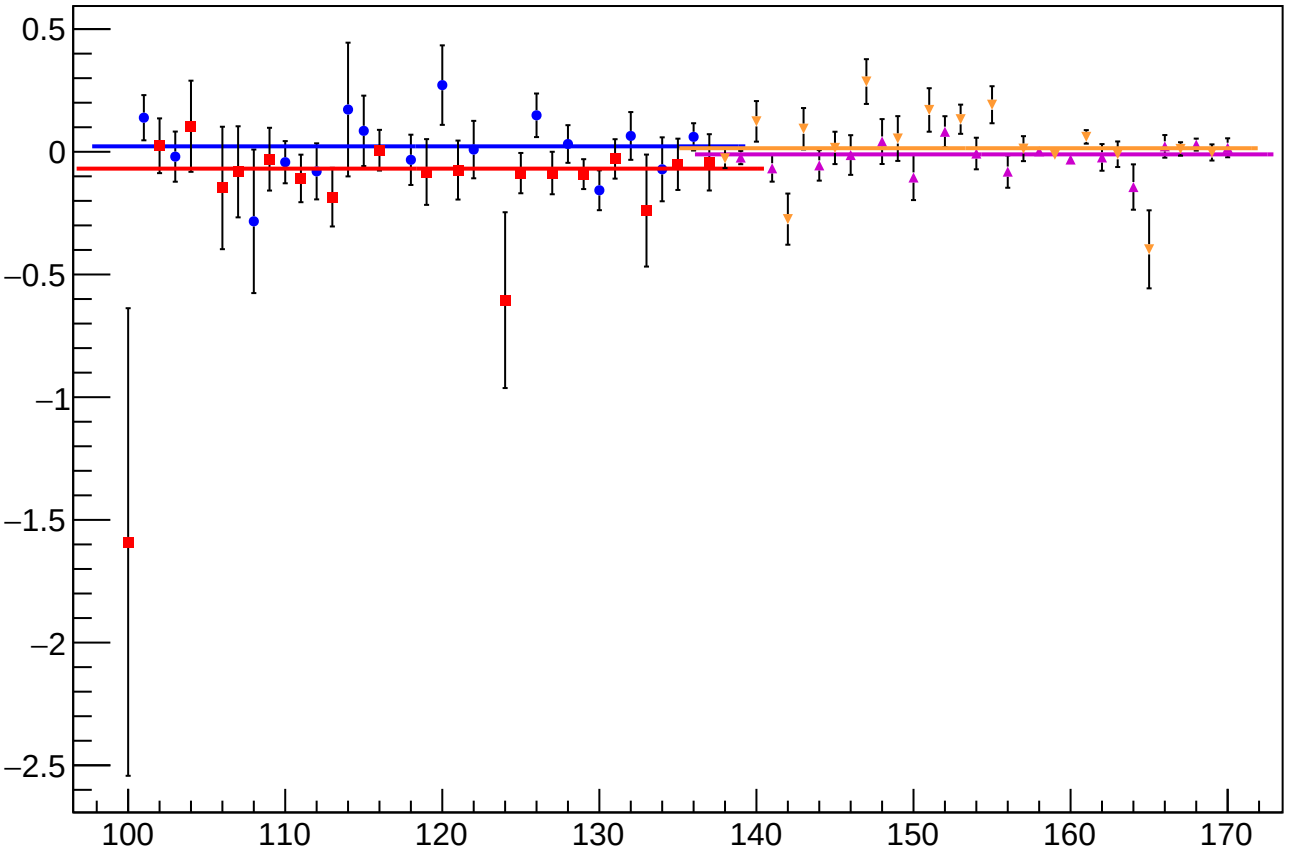
Left: 24.603+/-0.005 χ^2/NDF: 14855362.3/32

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.745+/-0.006 χ^2/NDF:11857687.0/31

Out: 31.189+/-0.006 χ^2/NDF:12542119.0/35

All: 28.692+/-0.004 χ^2/NDF: 24670273.3/67



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.015+/-0.010 χ^2/NDF:46.0/16

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:14.5/15

Left: 0.000+/-0.006 χ^2/NDF: 64.3/32

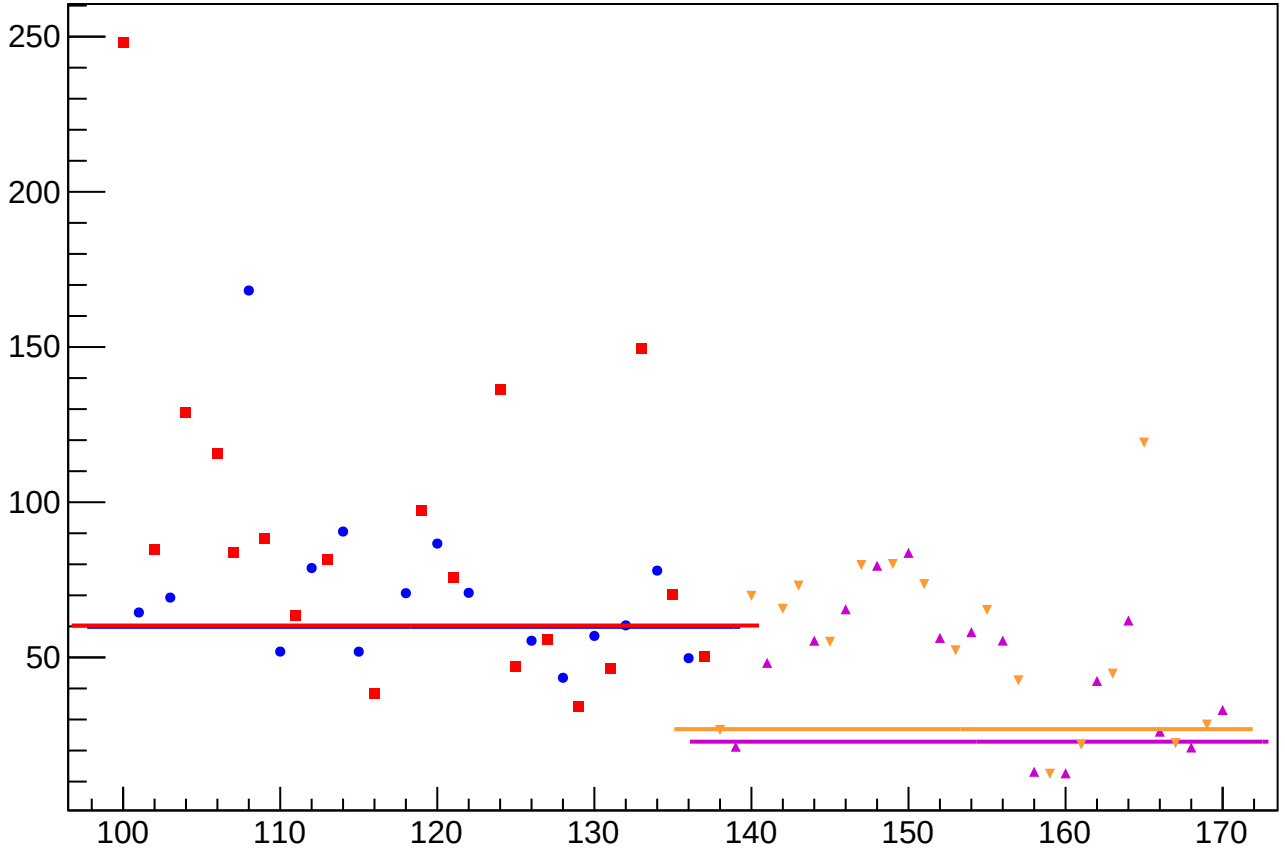
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.009 χ^2/NDF:65.0/35

All: -0.002+/-0.006 χ^2/NDF: 97.5/67

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: 26.903+/-0.007 χ^2/NDF:7526011.3/16

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.857+/-0.006 χ^2/NDF:7131653.3/15

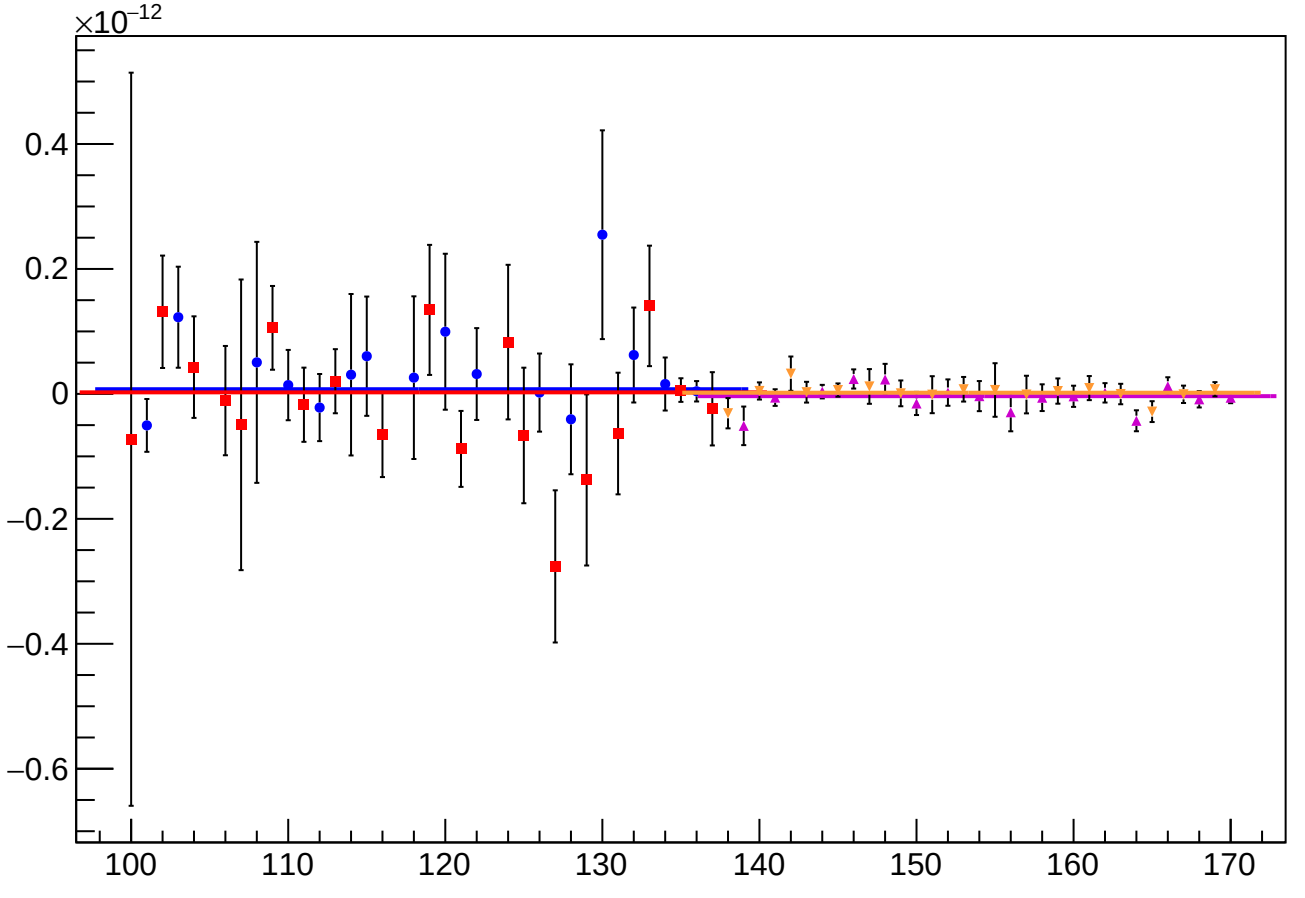
Left: 24.603+/-0.005 χ^2/NDF: 14855362.3/32

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.745+/-0.006 χ^2/NDF:11857687.0/31

Out: 31.189+/-0.006 χ^2/NDF:12542119.0/35

All: 28.692+/-0.004 χ^2/NDF: 24670273.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/15

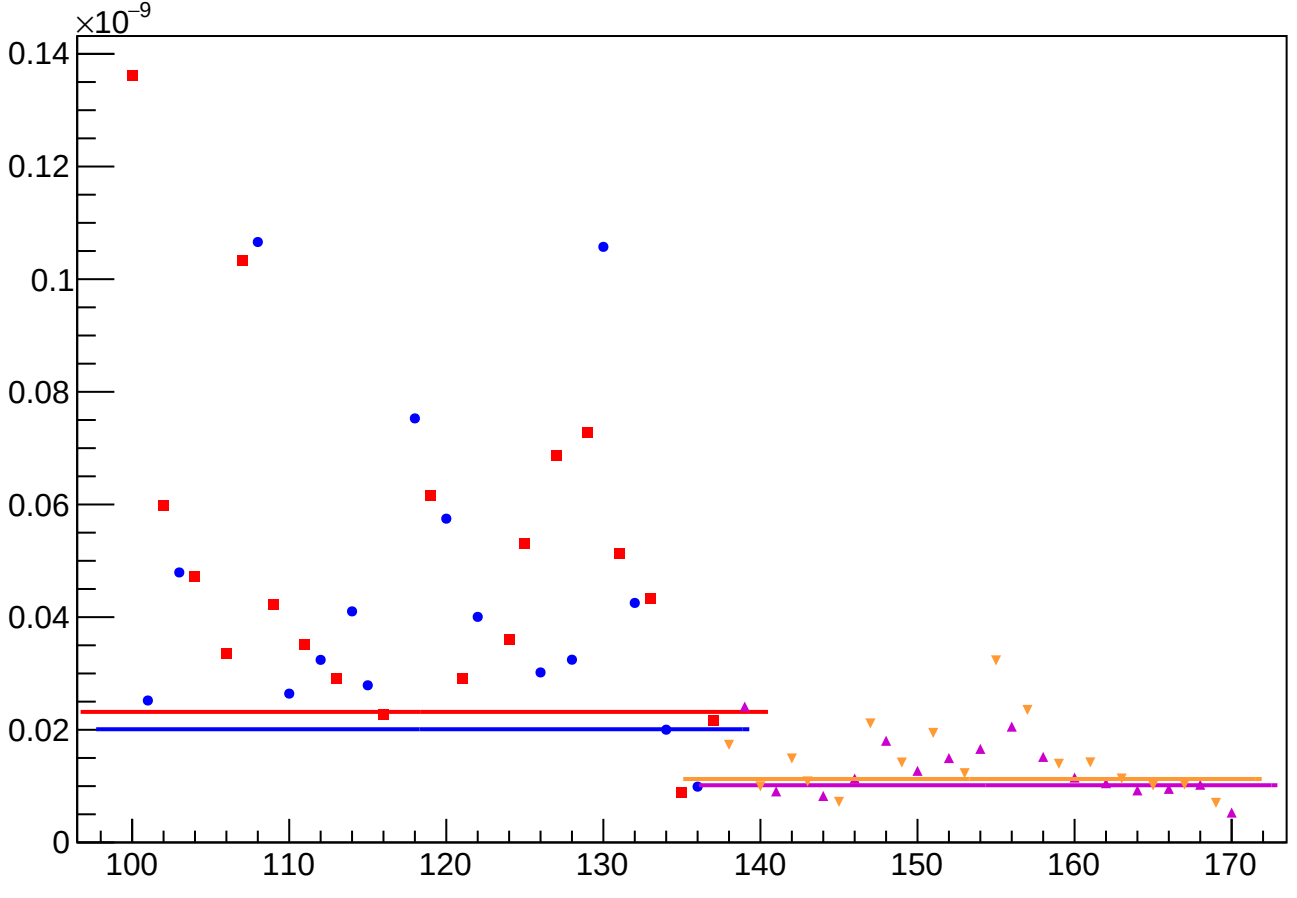
Left: -0.000+/-0.000 χ^2/NDF: 23.6/32

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.6/31

Out: 0.000+/-0.000 χ^2/NDF:26.9/35

All: -0.000+/-0.000 χ^2/NDF: 52.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2115748.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1951309.6/15

Left: 0.000+/-0.000 χ^2/NDF: 4140834.8/32

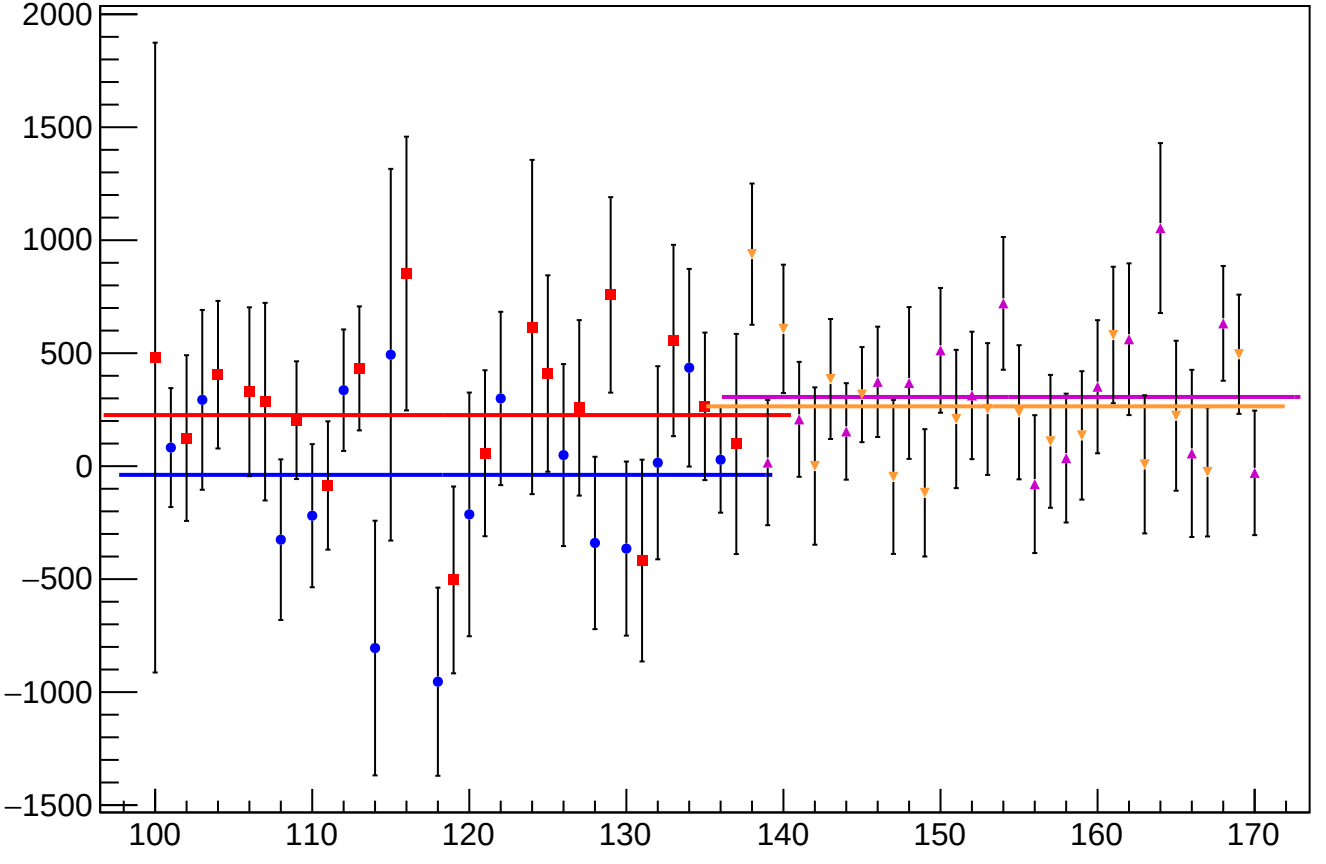
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6287351.9/31

Out: 0.000+/-0.000 χ^2/NDF:7058039.9/35

All: 0.000+/-0.000 χ^2/NDF: 13449253.3/67

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.769+/-70.018 χ^2/NDF:13.8/16

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 306.260+/-70.746 χ^2/NDF:15.1/15

Left: 285.300+/-49.765 χ^2/NDF: 29.0/32

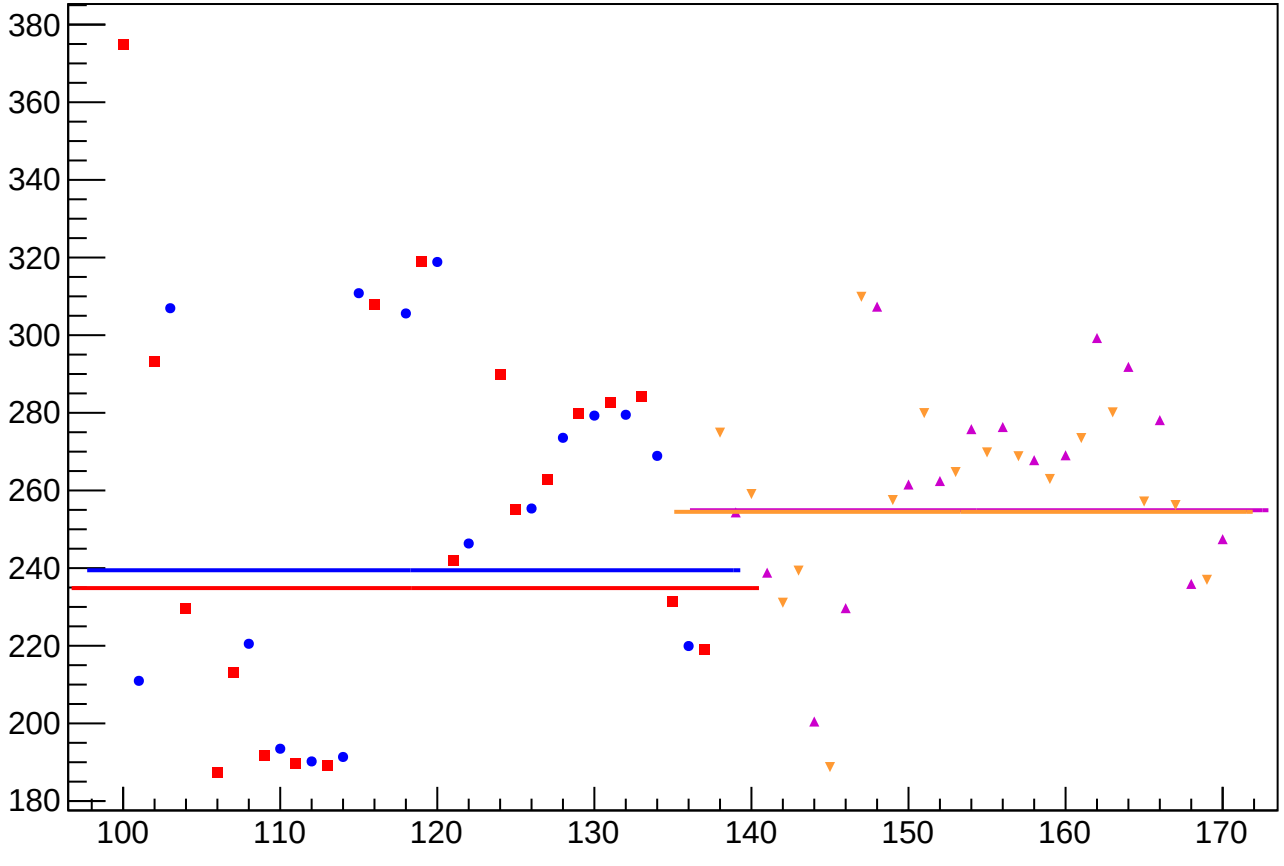
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 175.706+/-55.764 χ^2/NDF:38.5/31

Out: 249.786+/-54.769 χ^2/NDF:25.3/35

All: 213.413+/-39.074 χ^2/NDF: 64.7/67

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.500+/-0.050 χ^2/NDF:331849.1/16

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.911+/-0.050 χ^2/NDF:313998.7/15

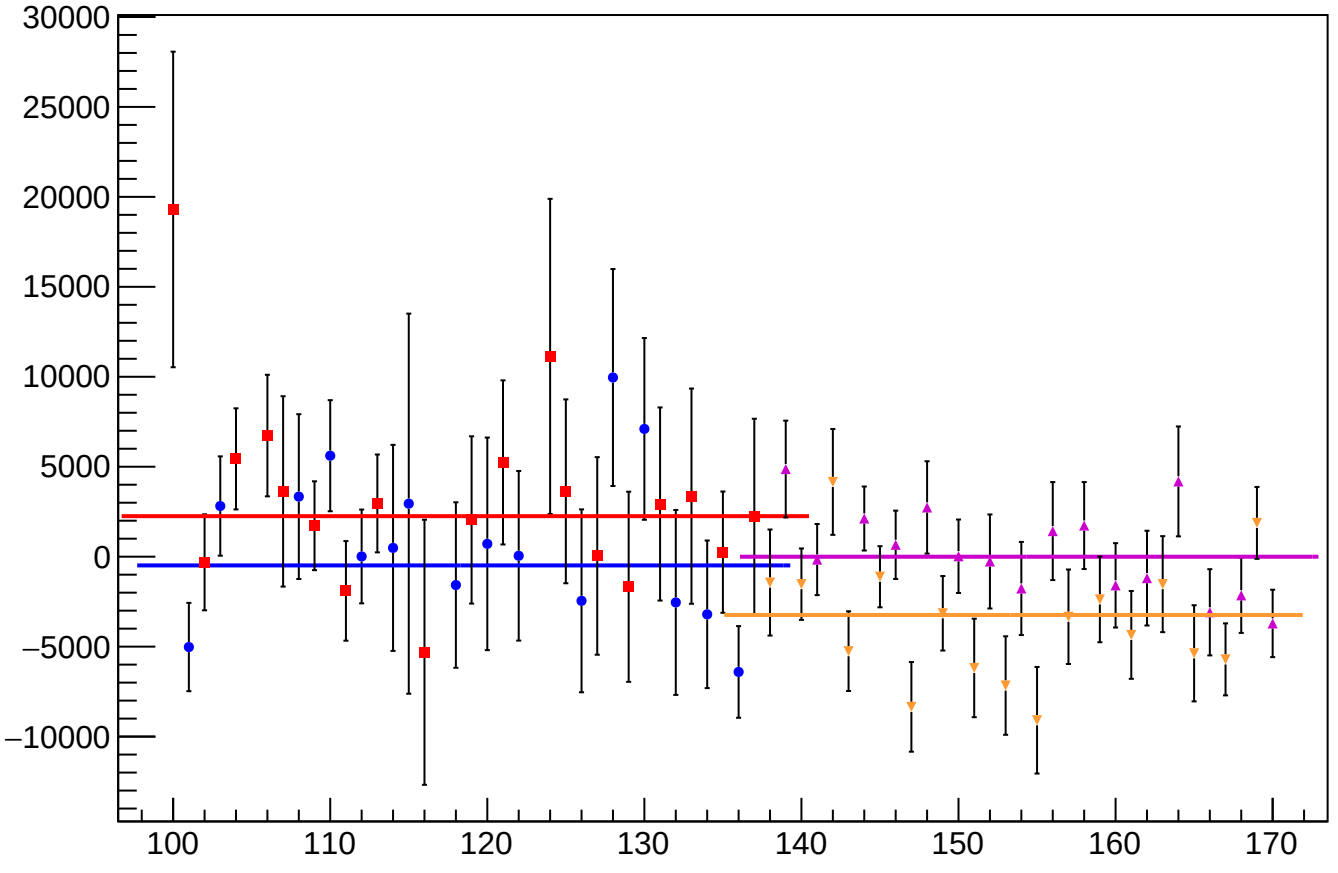
Left: 254.703+/-0.035 χ^2/NDF: 645882.0/32

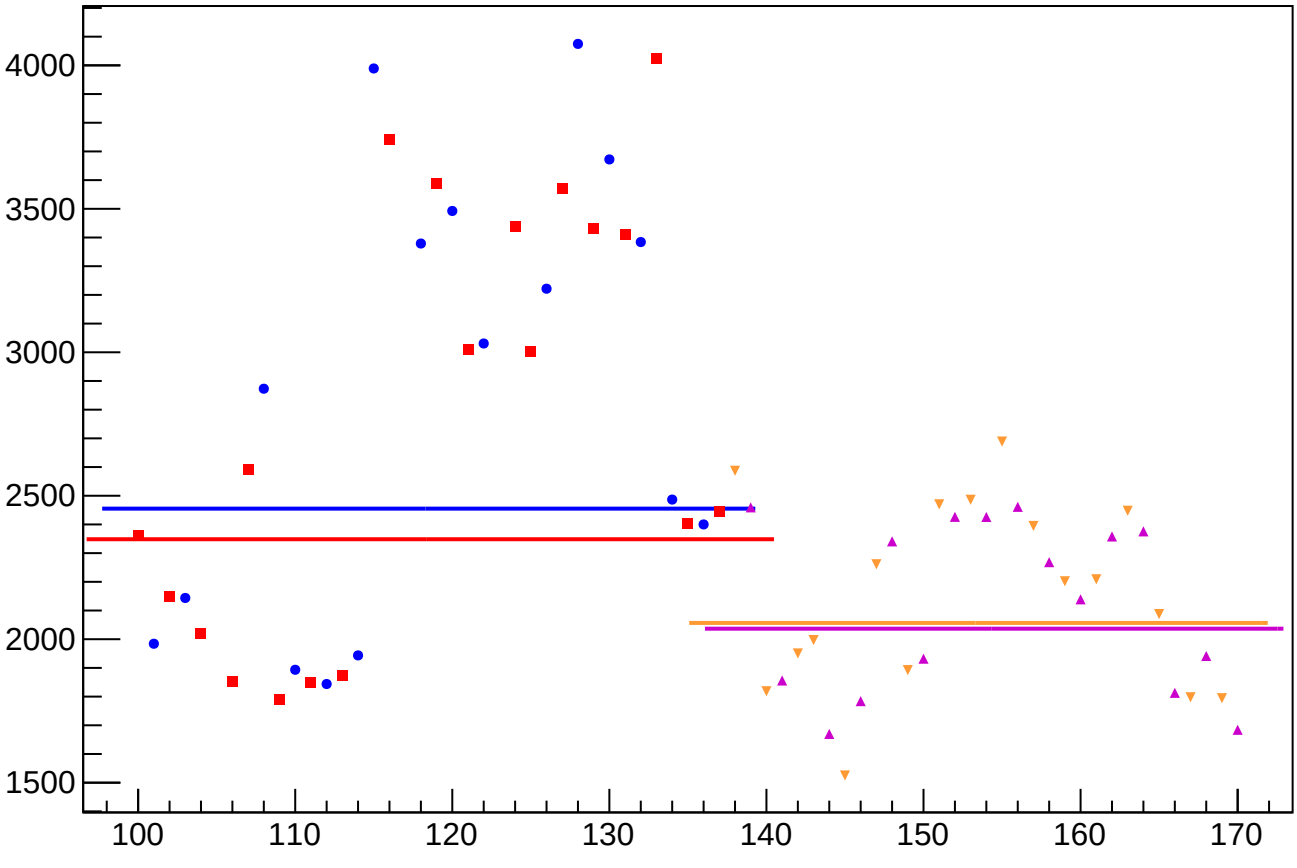
Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.056+/-0.039 χ^2/NDF:751131.2/31

Out: 246.874+/-0.039 χ^2/NDF:874675.2/35

All: 247.945+/-0.028 χ^2/NDF: 1627364.4/67


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -485.932+/-947.459 χ²/NDF: 21.1/15
Left Out: -3240.870+/-569.871 χ²/NDF:30.6/16
Right Out: 2251.898+/-894.171 χ²/NDF: 13.9/18
Left In: -2.734+/-567.802 χ²/NDF:16.4/15
Left: -1615.913+/-402.226 χ²/NDF: 63.2/32
Right: 962.136+/-650.297 χ²/NDF: 39.4/34
In: -130.416+/-487.039 χ²/NDF:37.7/31
Out: -1654.283+/-480.570 χ²/NDF:71.3/35
All: -902.536+/-342.079 χ²/NDF: 114.0/67



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2056.780+/-0.403 χ^2/NDF:664644.3/16

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2036.666+/-0.401 χ^2/NDF:527070.0/15

Left: 2046.687+/-0.284 χ^2/NDF: 1192964.7/32

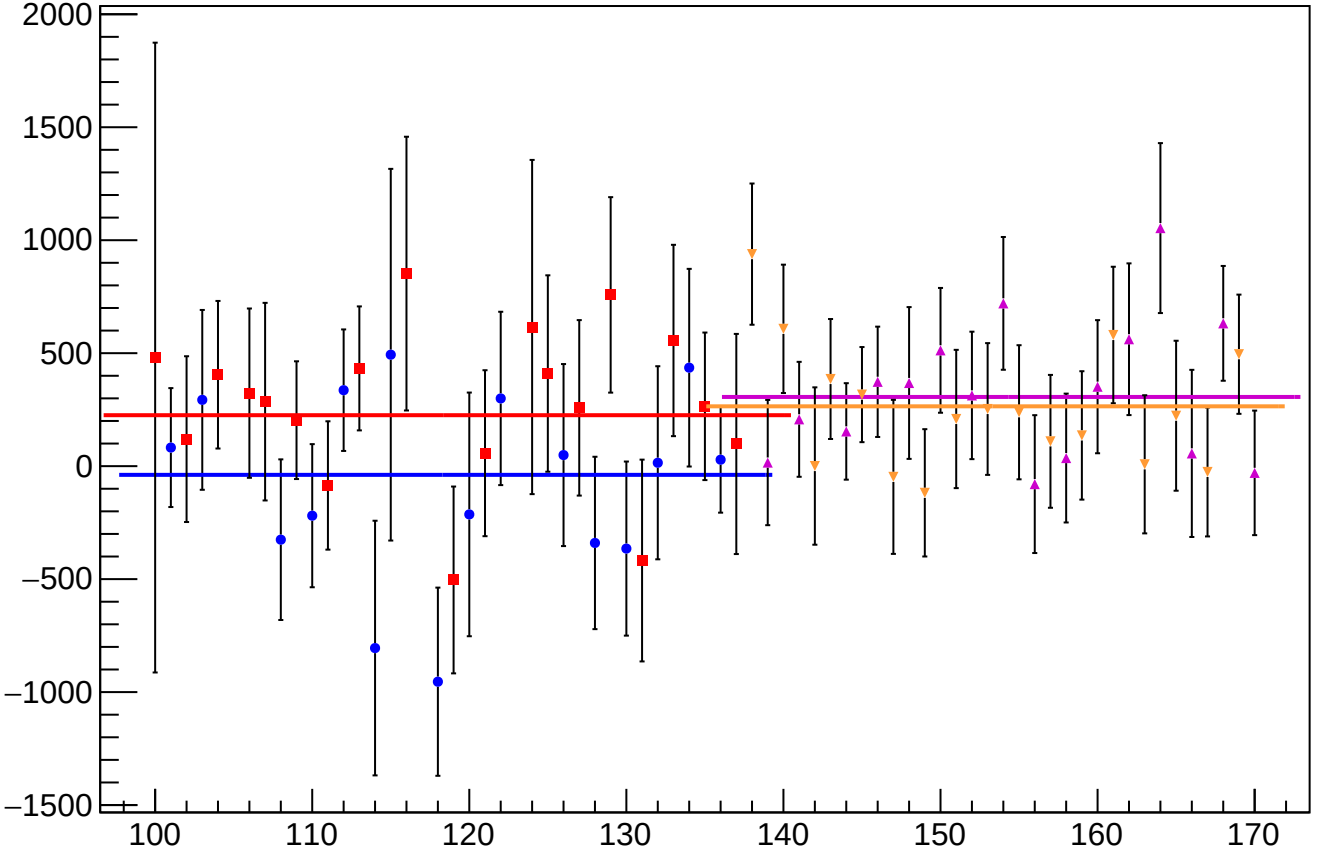
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2147.236+/-0.344 χ^2/NDF:1708473.3/31

Out: 2141.028+/-0.340 χ^2/NDF:1868394.5/35

All: 2144.090+/-0.242 χ^2/NDF: 3577032.5/67

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.779+/-70.018 χ^2/NDF:13.8/16

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 306.260+/-70.746 χ^2/NDF:15.1/15

Left: 285.305+/-49.765 χ^2/NDF: 29.0/32

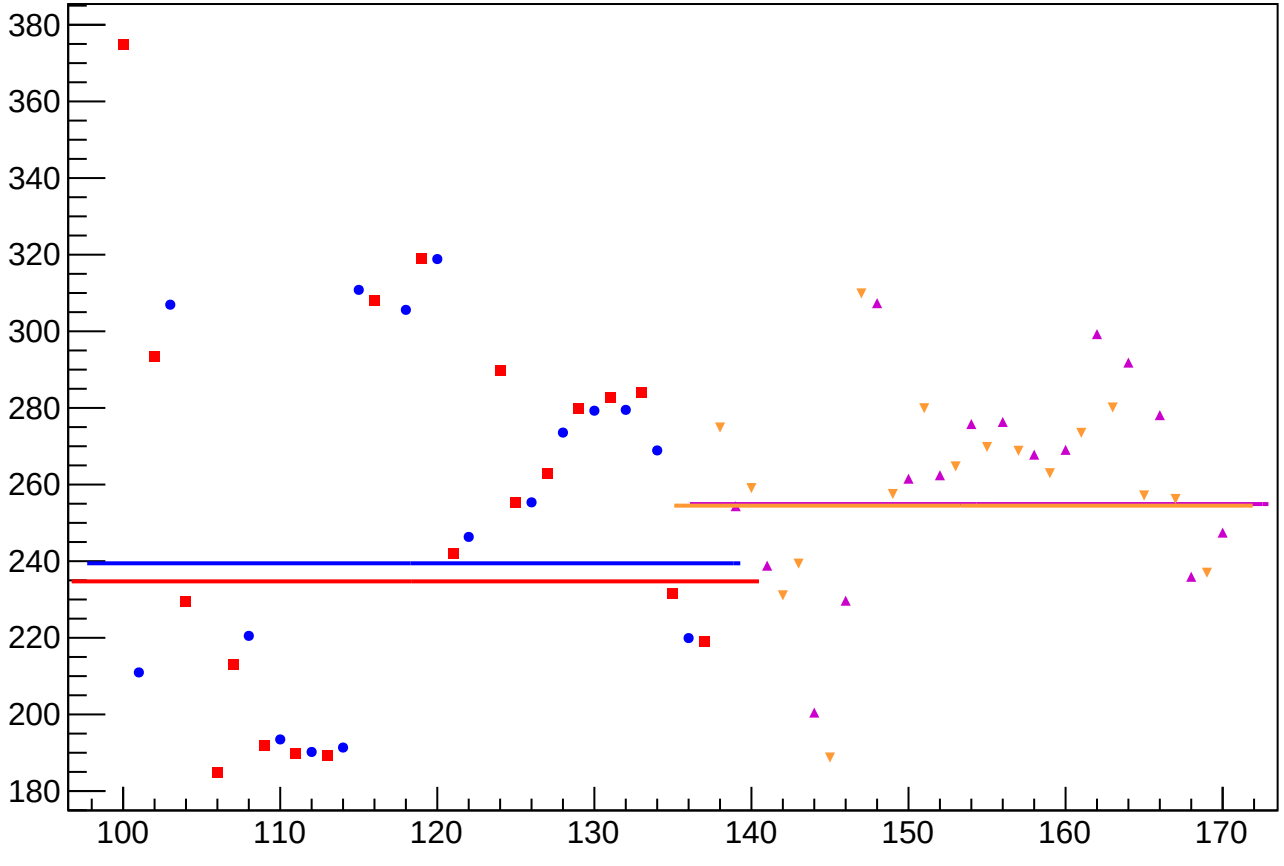
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 175.698+/-55.764 χ^2/NDF:38.5/31

Out: 249.541+/-54.772 χ^2/NDF:25.3/35

All: 213.282+/-39.076 χ^2/NDF: 64.7/67

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.500+/-0.050 χ^2/NDF:331849.1/16

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.911+/-0.050 χ^2/NDF:313998.8/15

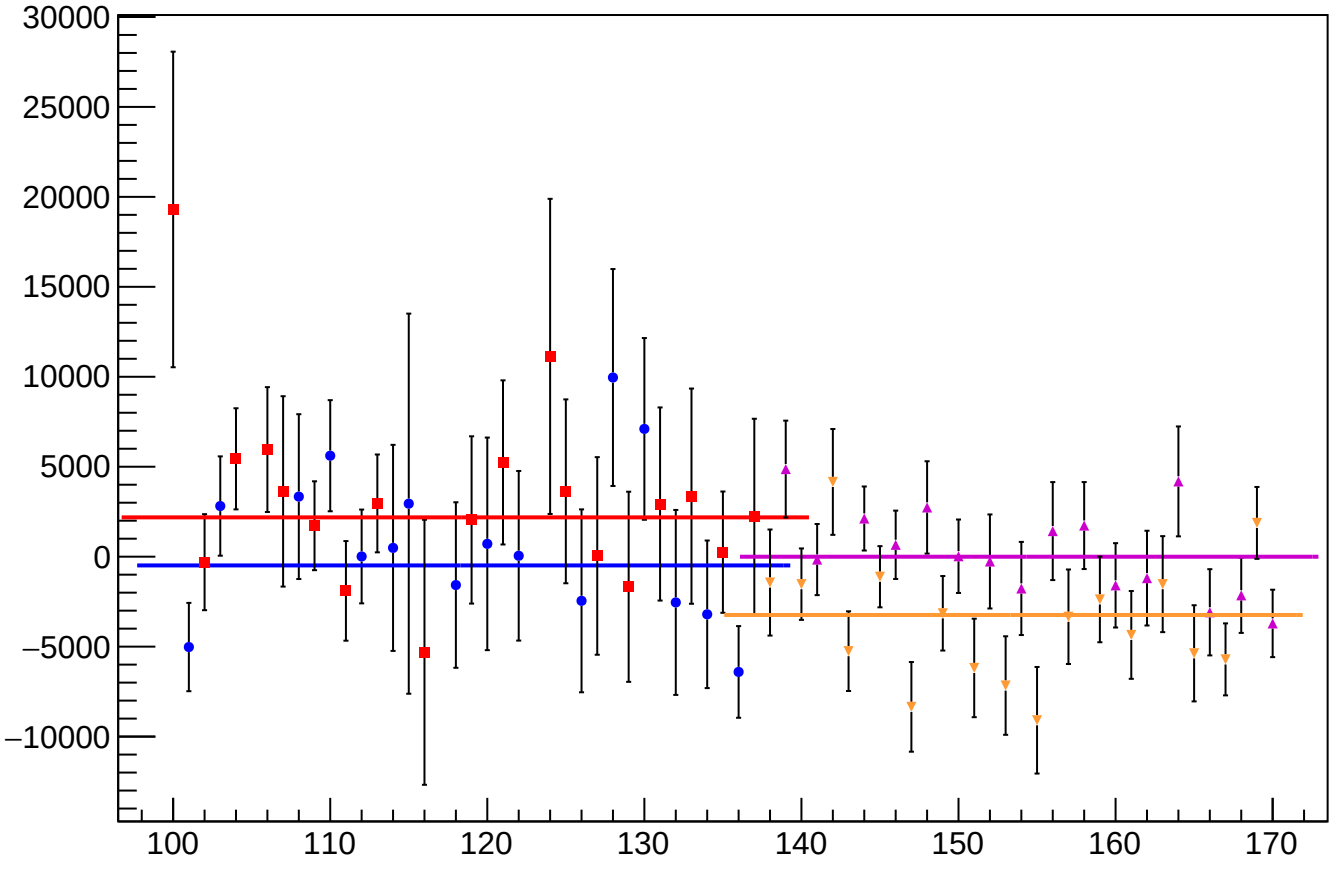
Left: 254.703+/-0.035 χ^2/NDF: 645882.0/32

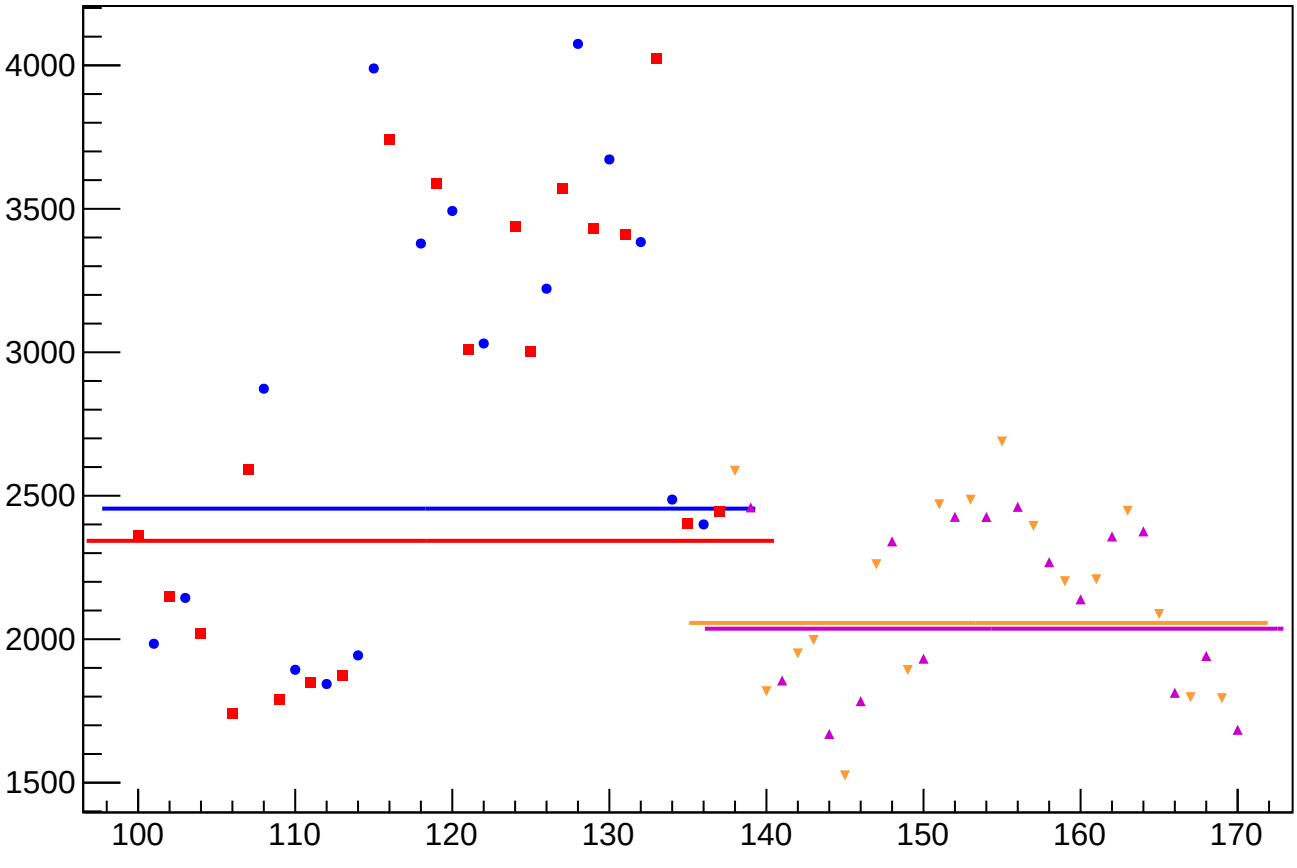
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.056+/-0.039 χ^2/NDF:751133.4/31

Out: 246.828+/-0.039 χ^2/NDF:878946.1/35

All: 247.922+/-0.028 χ^2/NDF: 1631703.4/67


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -3240.857+/-569.871 χ²/NDF:30.6/16
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: -2.717+/-567.802 χ²/NDF:16.4/15
Left: -1615.899+/-402.226 χ²/NDF: 63.2/32
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: -130.448+/-487.040 χ²/NDF:37.7/31
Out: -1677.855+/-480.832 χ²/NDF:70.0/35
All: -914.075+/-342.173 χ²/NDF: 112.8/67



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2056.780+/-0.403 χ^2/NDF:664645.5/16

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2036.667+/-0.401 χ^2/NDF:527068.3/15

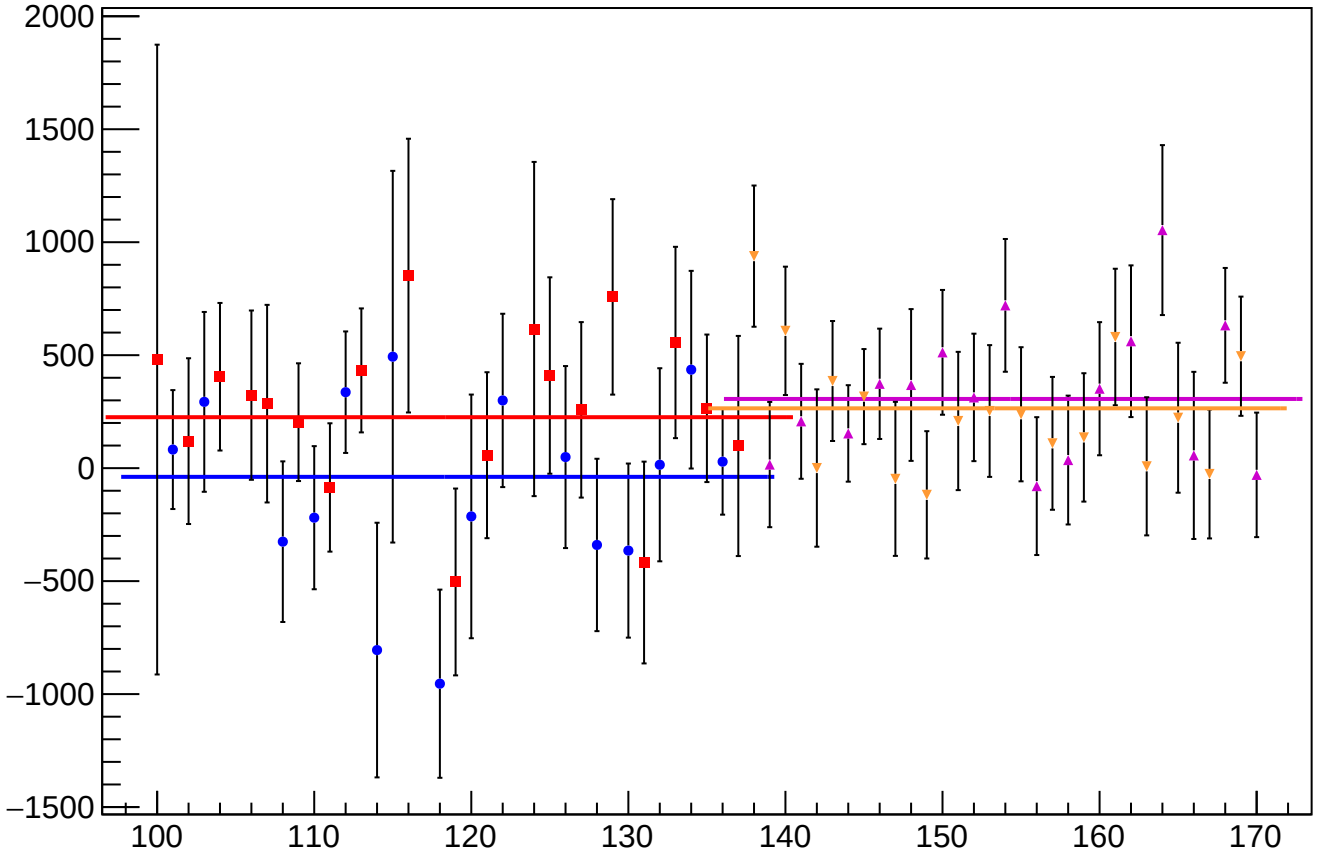
Left: 2046.687+/-0.284 χ^2/NDF: 1192964.0/32

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2147.241+/-0.344 χ^2/NDF:1708469.1/31

Out: 2139.220+/-0.340 χ^2/NDF:1880326.6/35

All: 2143.179+/-0.242 χ^2/NDF: 3589070.5/67



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.779+/-70.018 χ^2/NDF:13.8/16

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 306.260+/-70.746 χ^2/NDF:15.1/15

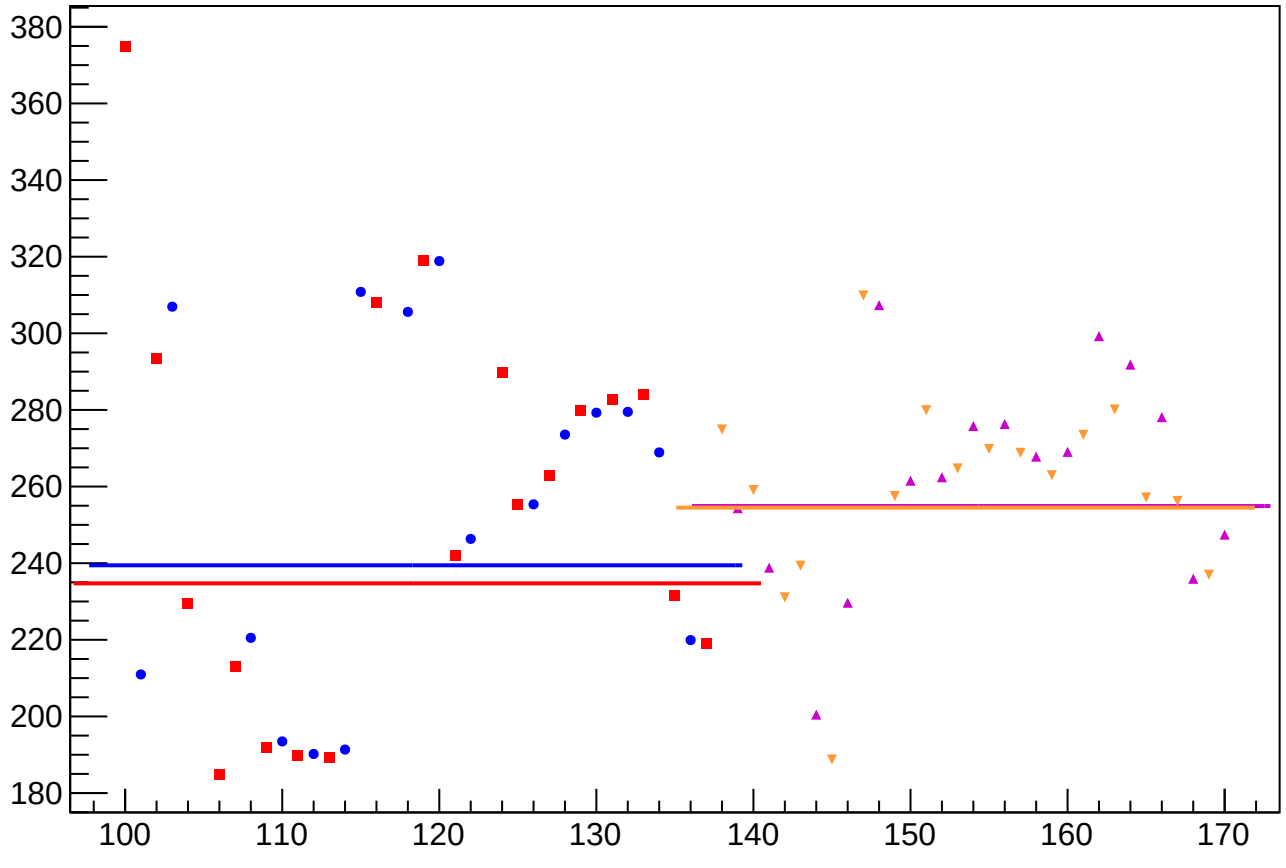
Left: 285.305+/-49.765 χ^2/NDF: 29.0/32

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 175.698+/-55.764 χ^2/NDF:38.5/31

Out: 249.541+/-54.772 χ^2/NDF:25.3/35

All: 213.282+/-39.076 χ^2/NDF: 64.7/67



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.500+/-0.050 χ^2/NDF:331849.1/16

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.911+/-0.050 χ^2/NDF:313998.8/15

Left: 254.703+/-0.035 χ^2/NDF: 645882.0/32

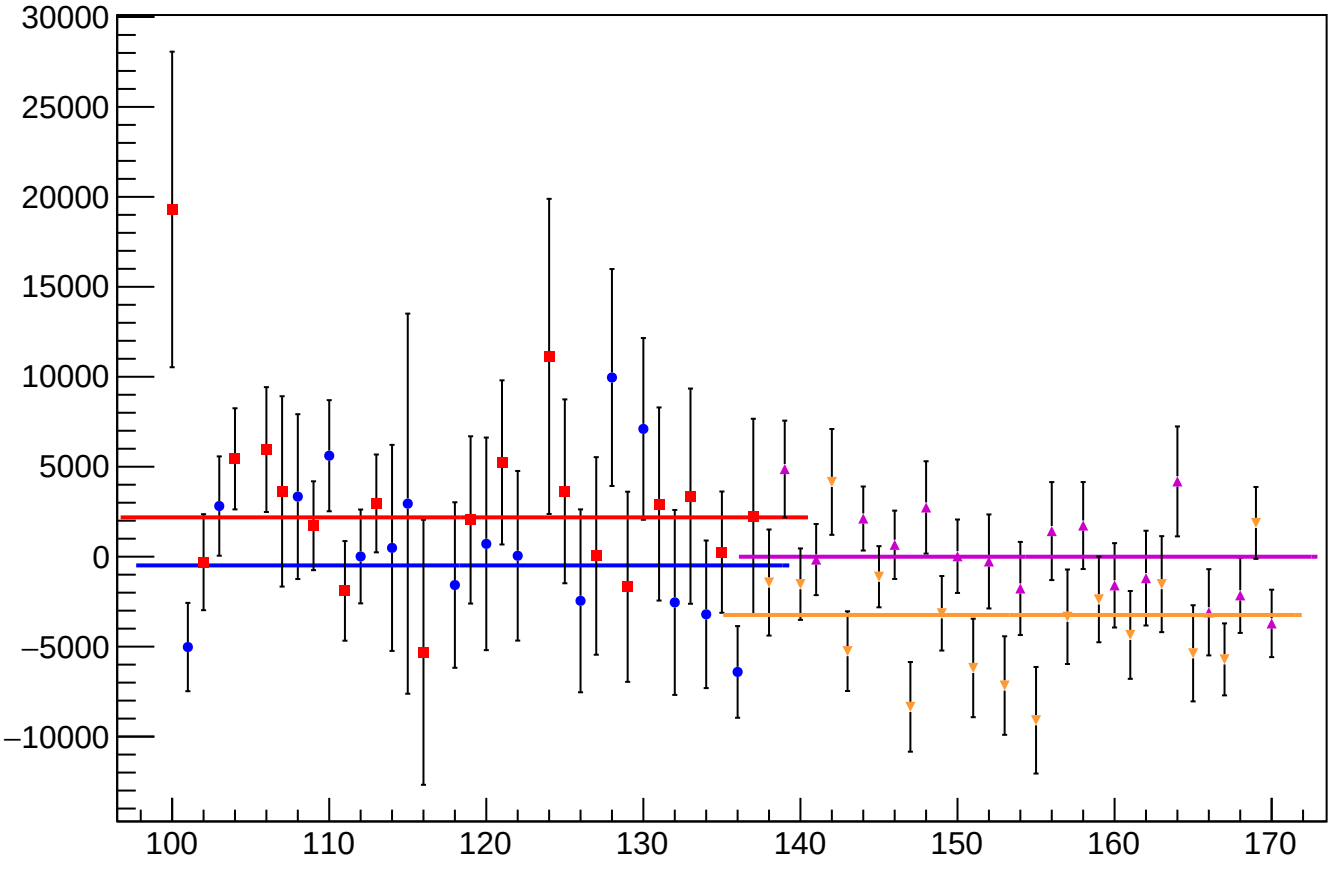
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.056+/-0.039 χ^2/NDF:751133.4/31

Out: 246.828+/-0.039 χ^2/NDF:878946.1/35

All: 247.922+/-0.028 χ^2/NDF: 1631703.4/67

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3240.857+/-569.871 χ^2/NDF:30.6/16

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: -2.717+/-567.802 χ^2/NDF:16.4/15

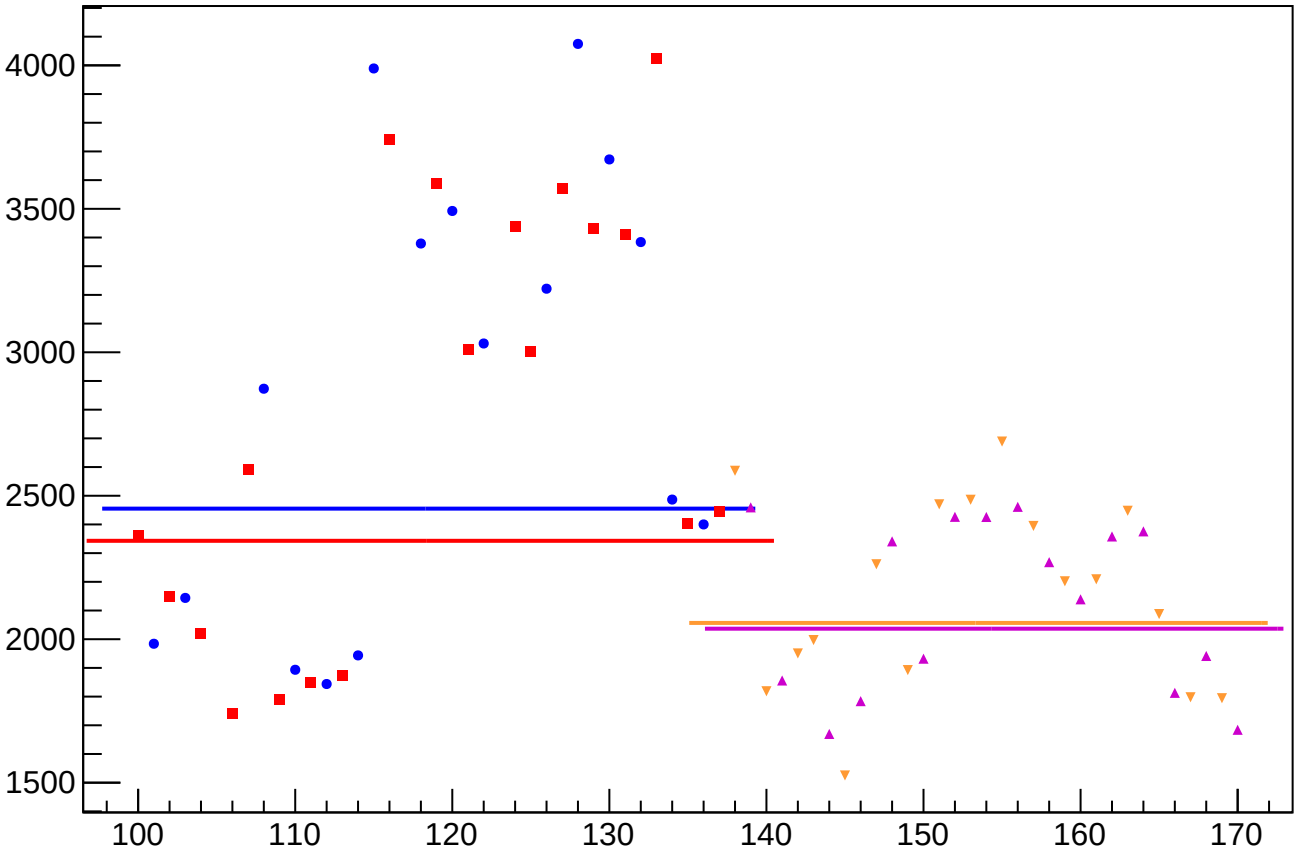
Left: -1615.899+/-402.226 χ^2/NDF: 63.2/32

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: -130.448+/-487.040 χ^2/NDF:37.7/31

Out: -1677.855+/-480.832 χ^2/NDF:70.0/35

All: -914.075+/-342.173 χ^2/NDF: 112.8/67



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2056.780+/-0.403 χ^2/NDF:664645.5/16

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2036.667+/-0.401 χ^2/NDF:527068.3/15

Left: 2046.687+/-0.284 χ^2/NDF: 1192964.0/32

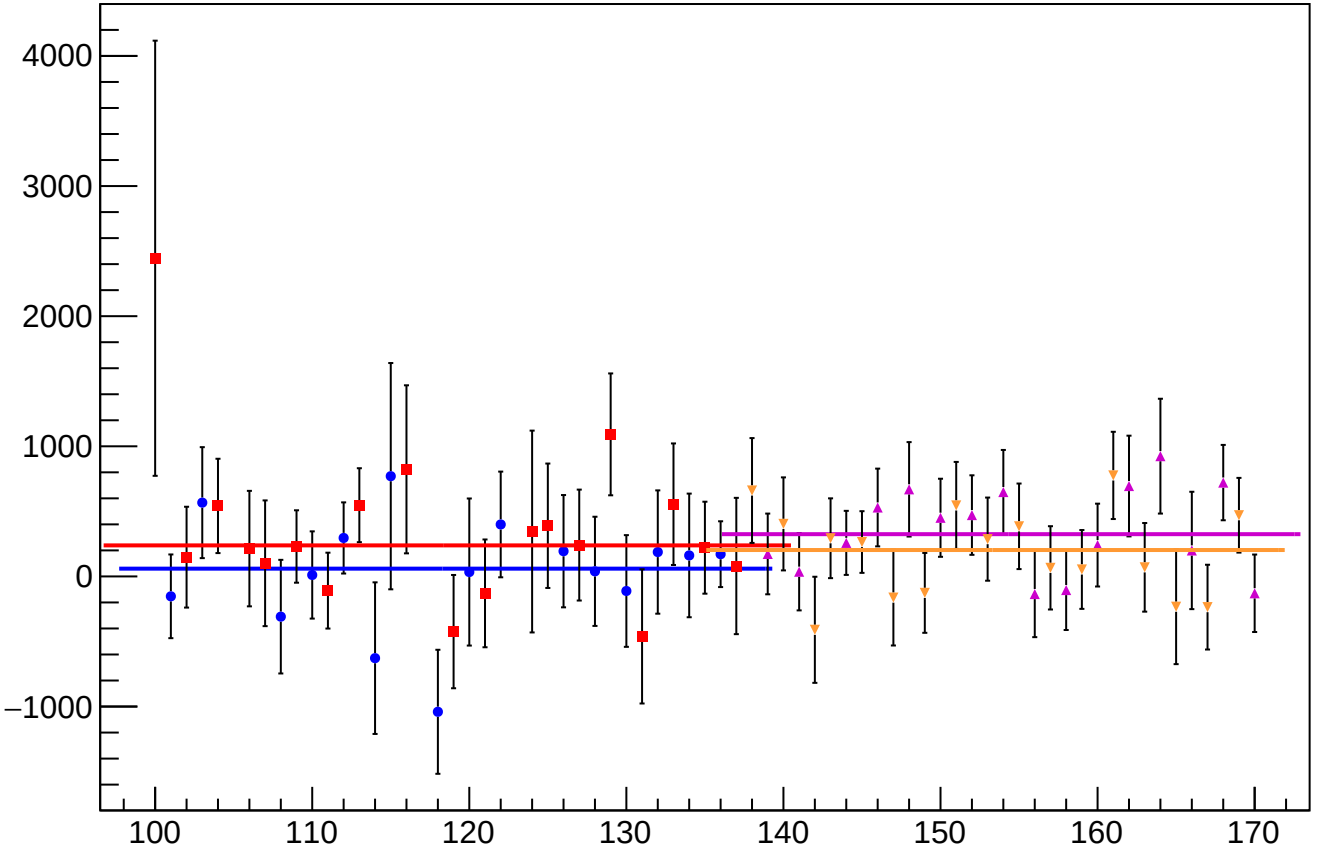
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2147.241+/-0.344 χ^2/NDF:1708469.1/31

Out: 2139.220+/-0.340 χ^2/NDF:1880326.6/35

All: 2143.179+/-0.242 χ^2/NDF: 3589070.5/67

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 202.874+/-79.226 χ^2/NDF:14.7/16

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 324.723+/-79.577 χ^2/NDF:15.0/15

Left: 263.529+/-56.145 χ^2/NDF: 31.0/32

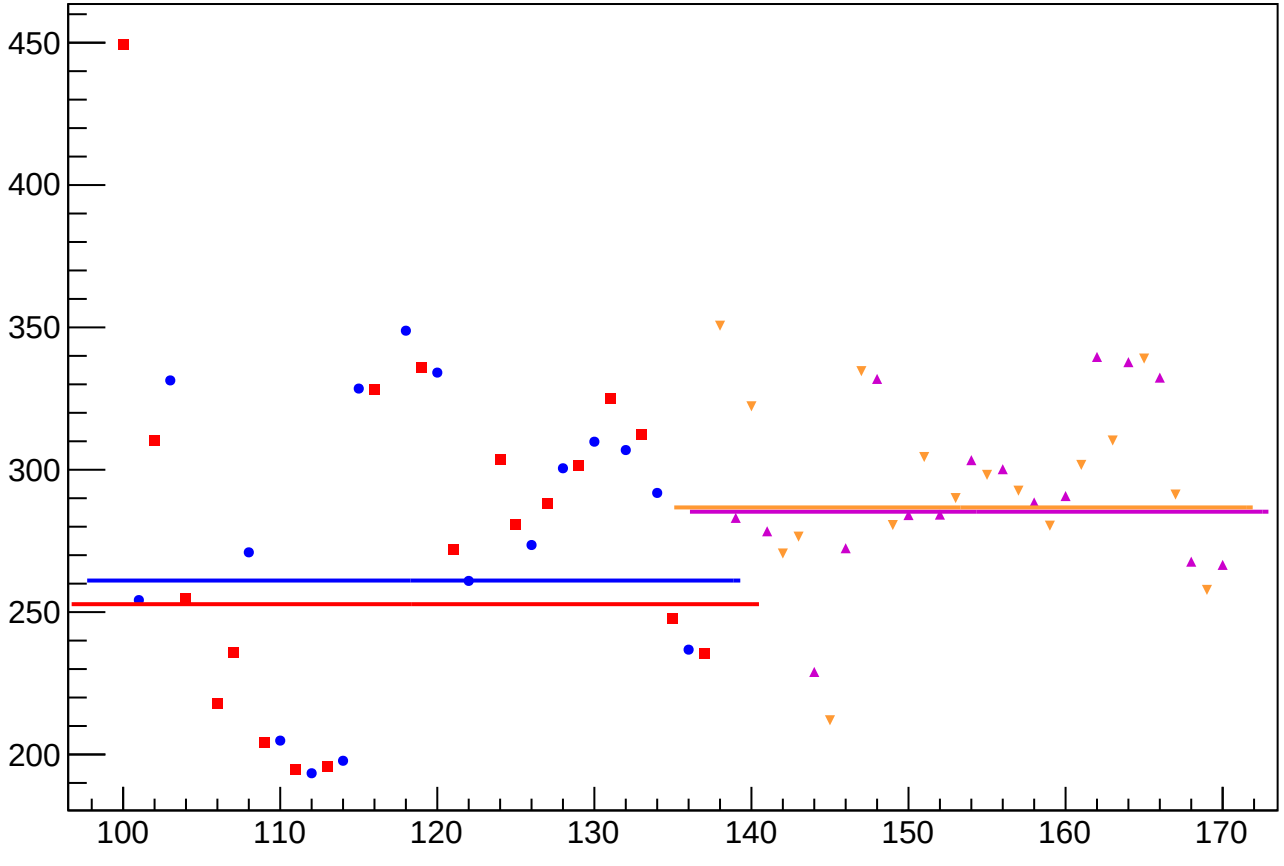
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 221.003+/-62.080 χ^2/NDF:31.4/31

Out: 217.483+/-60.861 χ^2/NDF:29.8/35

All: 219.208+/-43.460 χ^2/NDF: 61.1/67

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 286.768+/-0.056 χ^2/NDF:381221.6/16

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 285.265+/-0.056 χ^2/NDF:258537.6/15

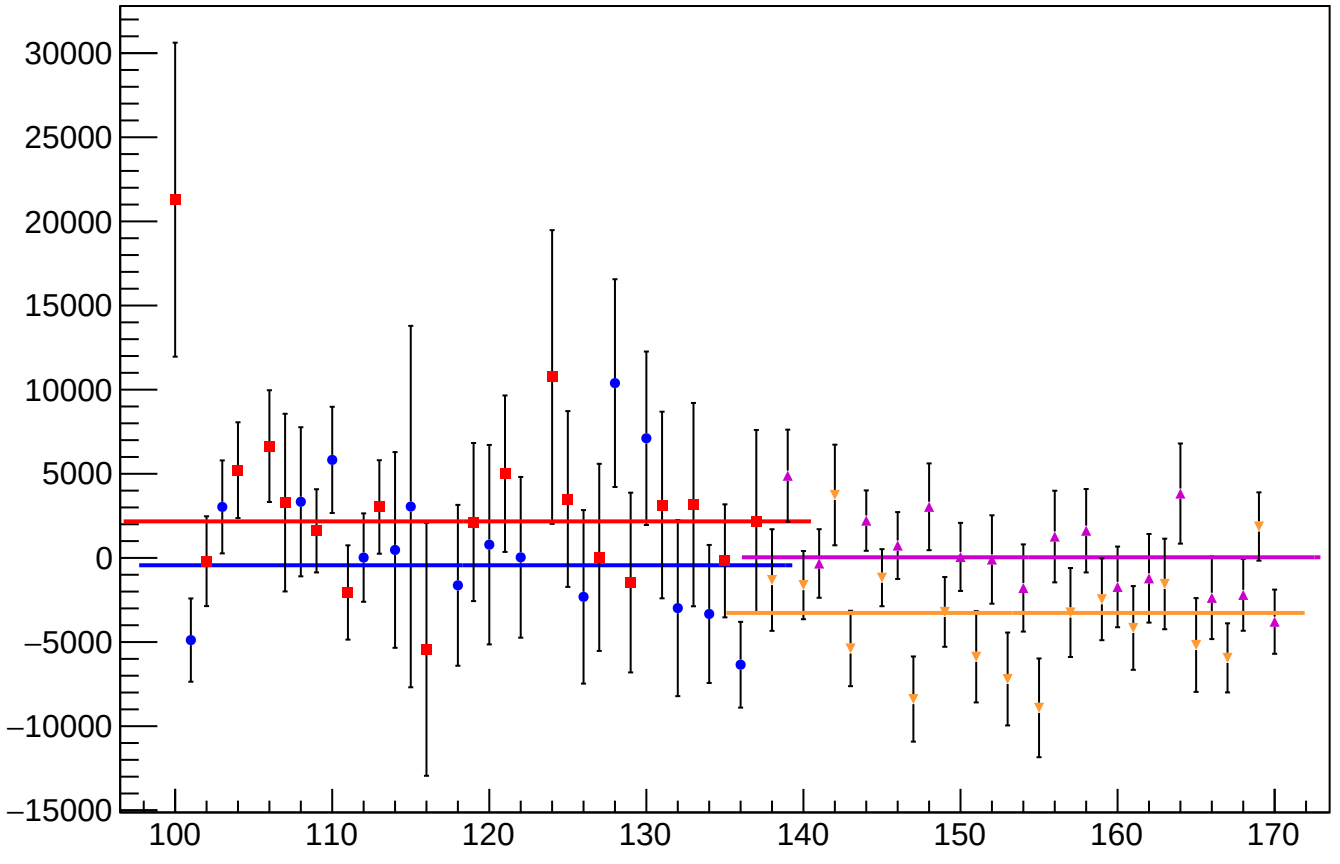
Left: 286.020+/-0.040 χ^2/NDF: 640117.7/32

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.802+/-0.044 χ^2/NDF:793449.3/31

Out: 272.840+/-0.043 χ^2/NDF:1069318.0/35

All: 274.291+/-0.031 χ^2/NDF: 1865089.4/67



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3268.047+/-576.913 χ^2/NDF:28.9/16

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 37.422+/-575.804 χ^2/NDF:15.7/15

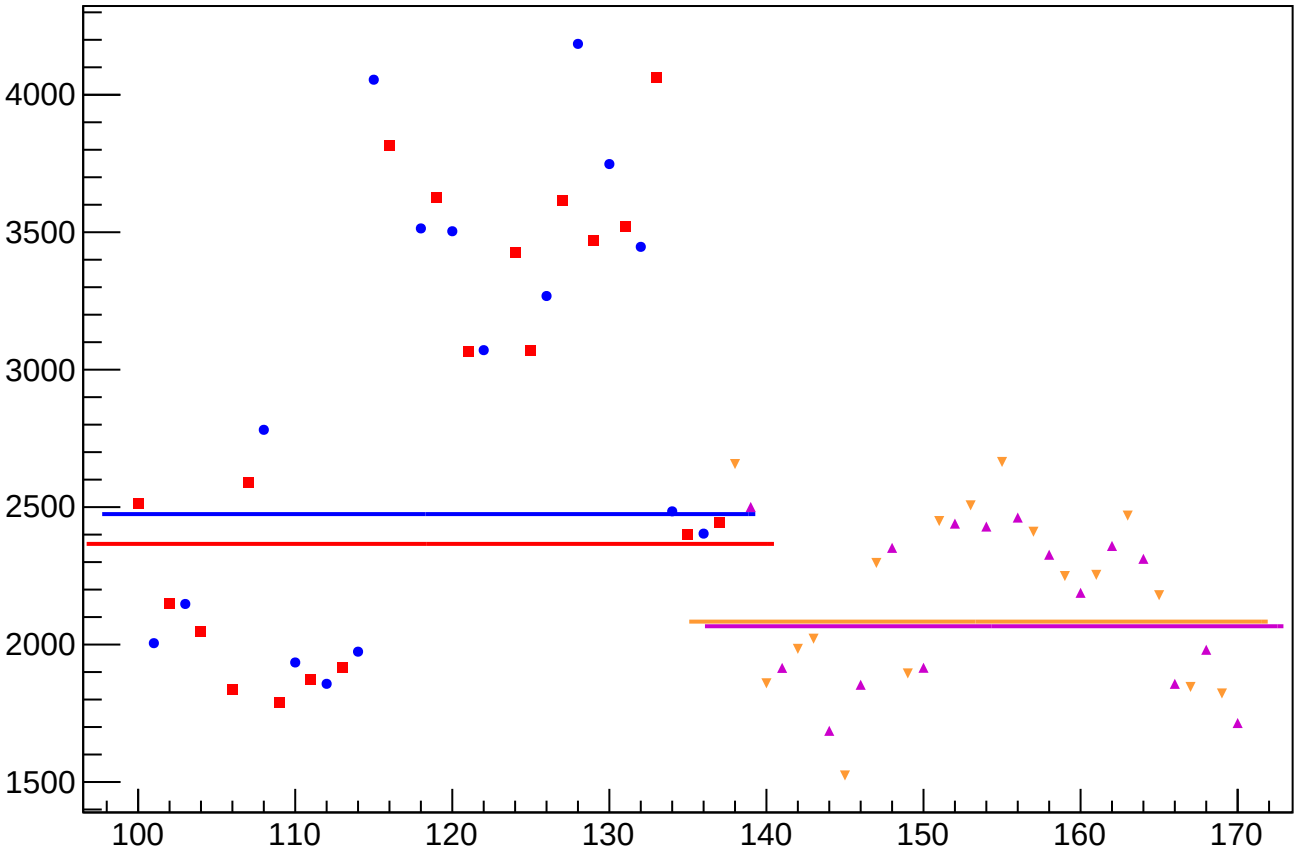
Left: -1612.132+/-407.546 χ^2/NDF: 61.1/32

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: -88.966+/-493.126 χ^2/NDF:37.1/31

Out: -1686.450+/-485.866 χ^2/NDF:68.8/35

All: -899.554+/-346.098 χ^2/NDF: 111.2/67



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2083.479+/-0.408 χ^2/NDF:663468.1/16

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2066.623+/-0.407 χ^2/NDF:482825.1/15

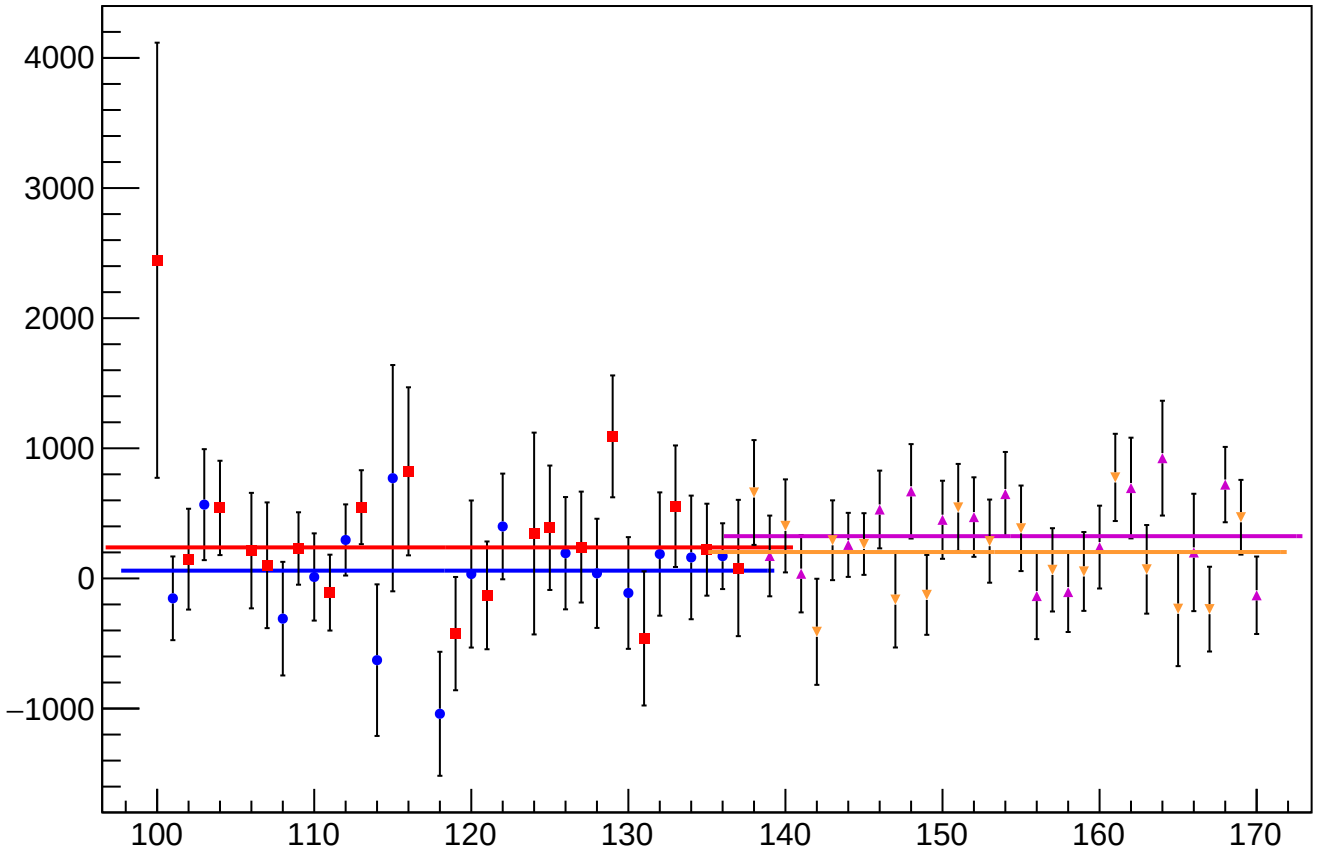
Left: 2075.035+/-0.288 χ^2/NDF: 1147148.5/32

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2175.377+/-0.349 χ^2/NDF:1666737.9/31

Out: 2165.680+/-0.344 χ^2/NDF:1880304.6/35

All: 2170.457+/-0.245 χ^2/NDF: 3547434.9/67



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 202.879+/-79.226 χ^2/NDF:14.7/16

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 324.725+/-79.578 χ^2/NDF:15.0/15

Left: 263.532+/-56.145 χ^2/NDF: 31.0/32

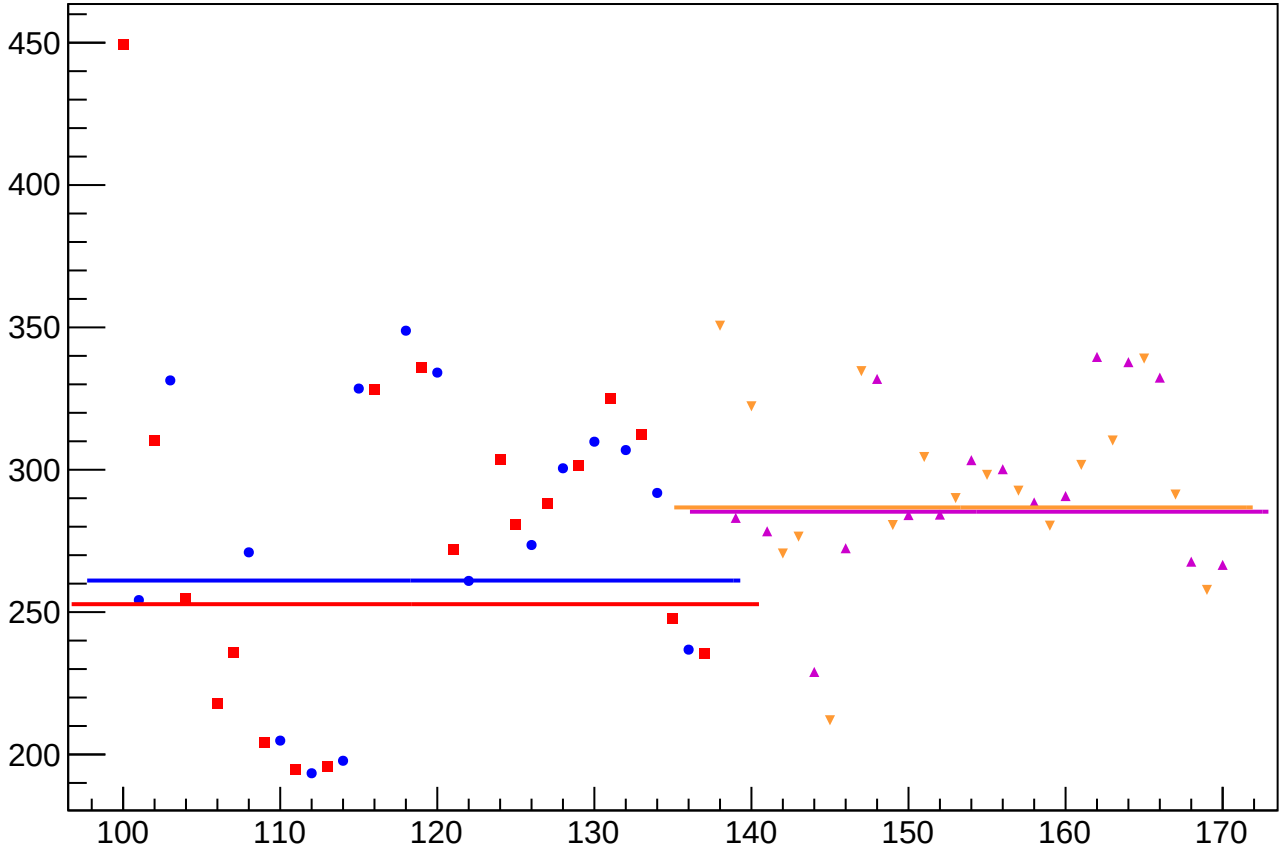
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 221.006+/-62.080 χ^2/NDF:31.4/31

Out: 217.486+/-60.861 χ^2/NDF:29.8/35

All: 219.211+/-43.460 χ^2/NDF: 61.1/67

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 286.768+/-0.056 χ^2/NDF:381219.1/16

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 285.265+/-0.056 χ^2/NDF:258537.1/15

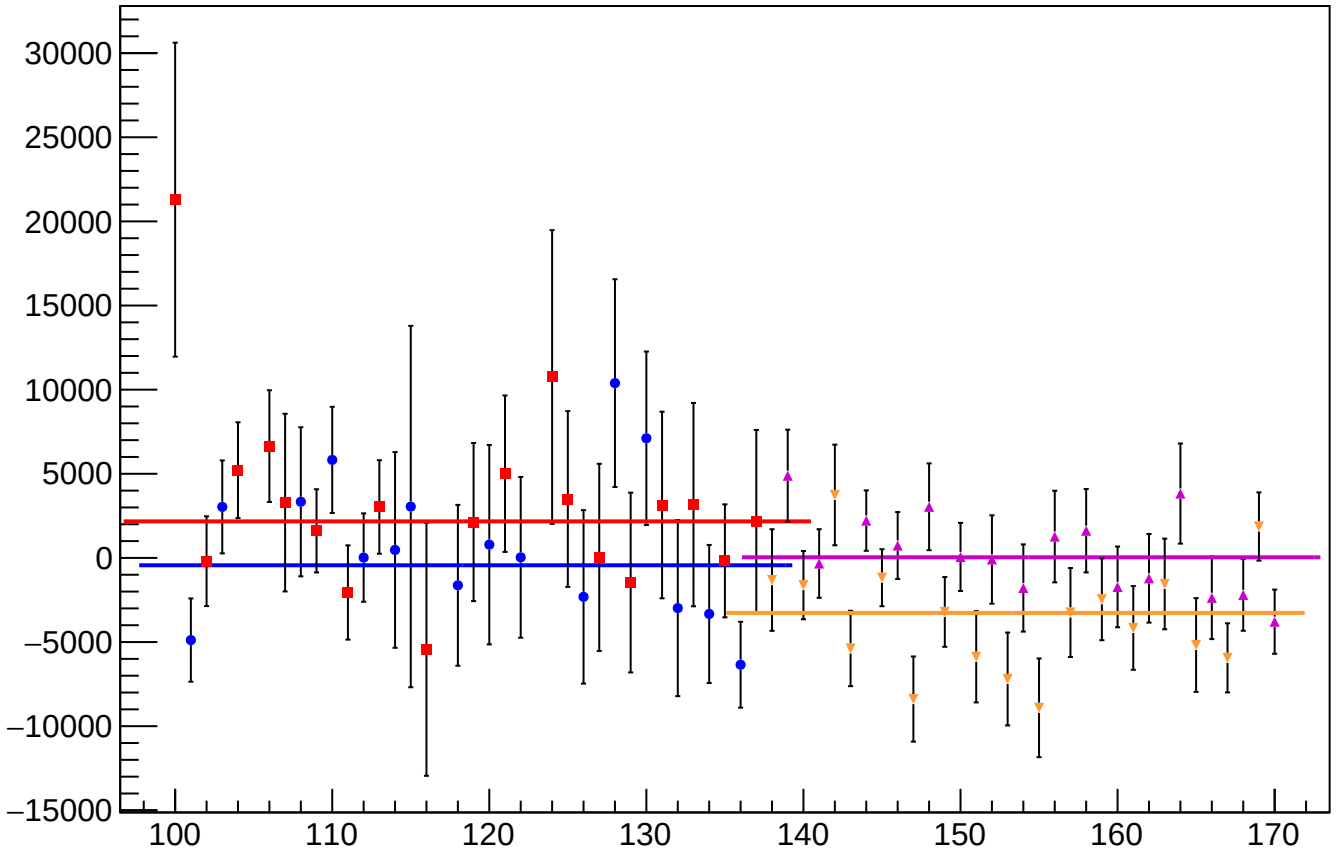
Left: 286.020+/-0.040 χ^2/NDF: 640114.7/32

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.802+/-0.044 χ^2/NDF:793453.2/31

Out: 272.840+/-0.043 χ^2/NDF:1069322.4/35

All: 274.292+/-0.031 χ^2/NDF: 1865097.8/67



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3268.039+/-576.912 χ^2/NDF:28.9/16

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 37.420+/-575.803 χ^2/NDF:15.7/15

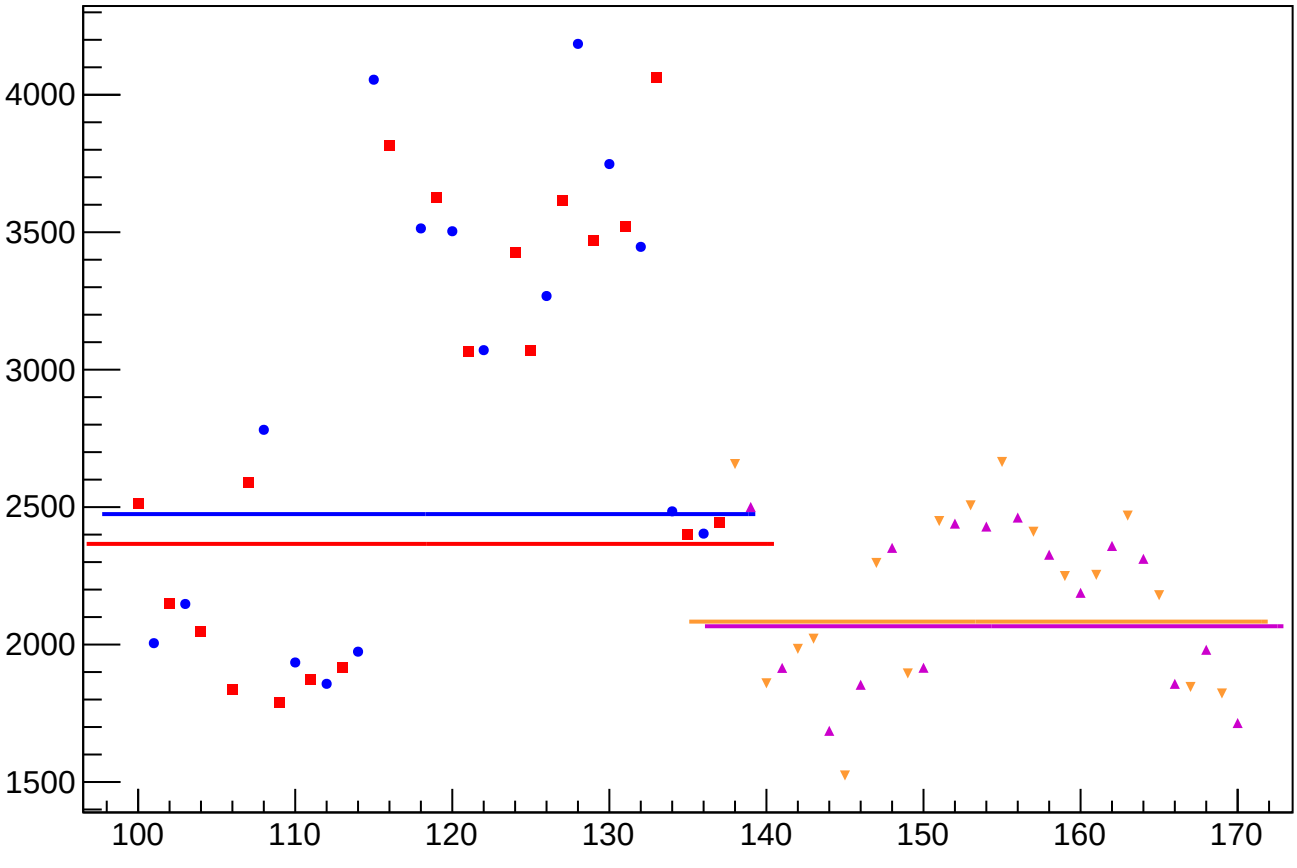
Left: -1612.130+/-407.546 χ^2/NDF: 61.1/32

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: -88.968+/-493.126 χ^2/NDF:37.1/31

Out: -1686.446+/-485.866 χ^2/NDF:68.8/35

All: -899.553+/-346.097 χ^2/NDF: 111.2/67



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2083.476+/-0.408 χ^2/NDF:663473.9/16

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2066.621+/-0.407 χ^2/NDF:482826.4/15

Left: 2075.032+/-0.288 χ^2/NDF: 1147155.6/32

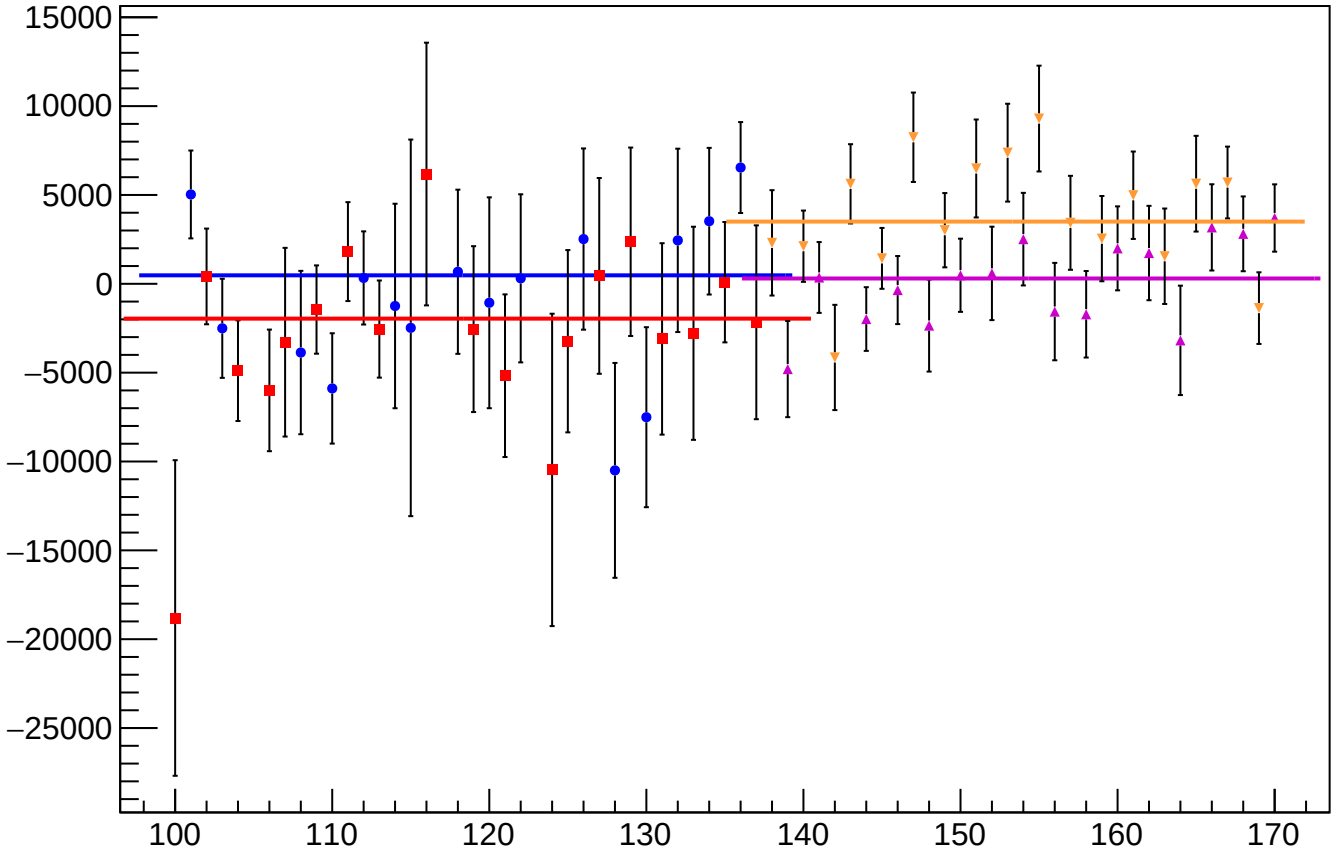
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2175.375+/-0.349 χ^2/NDF:1666744.0/31

Out: 2165.677+/-0.344 χ^2/NDF:1880314.4/35

All: 2170.454+/-0.245 χ^2/NDF: 3547450.9/67

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3501.194+/-574.428 χ^2/NDF:28.9/16

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: 299.762+/-572.467 χ^2/NDF:16.4/15

Left: 1895.003+/-405.487 χ^2/NDF: 60.9/32

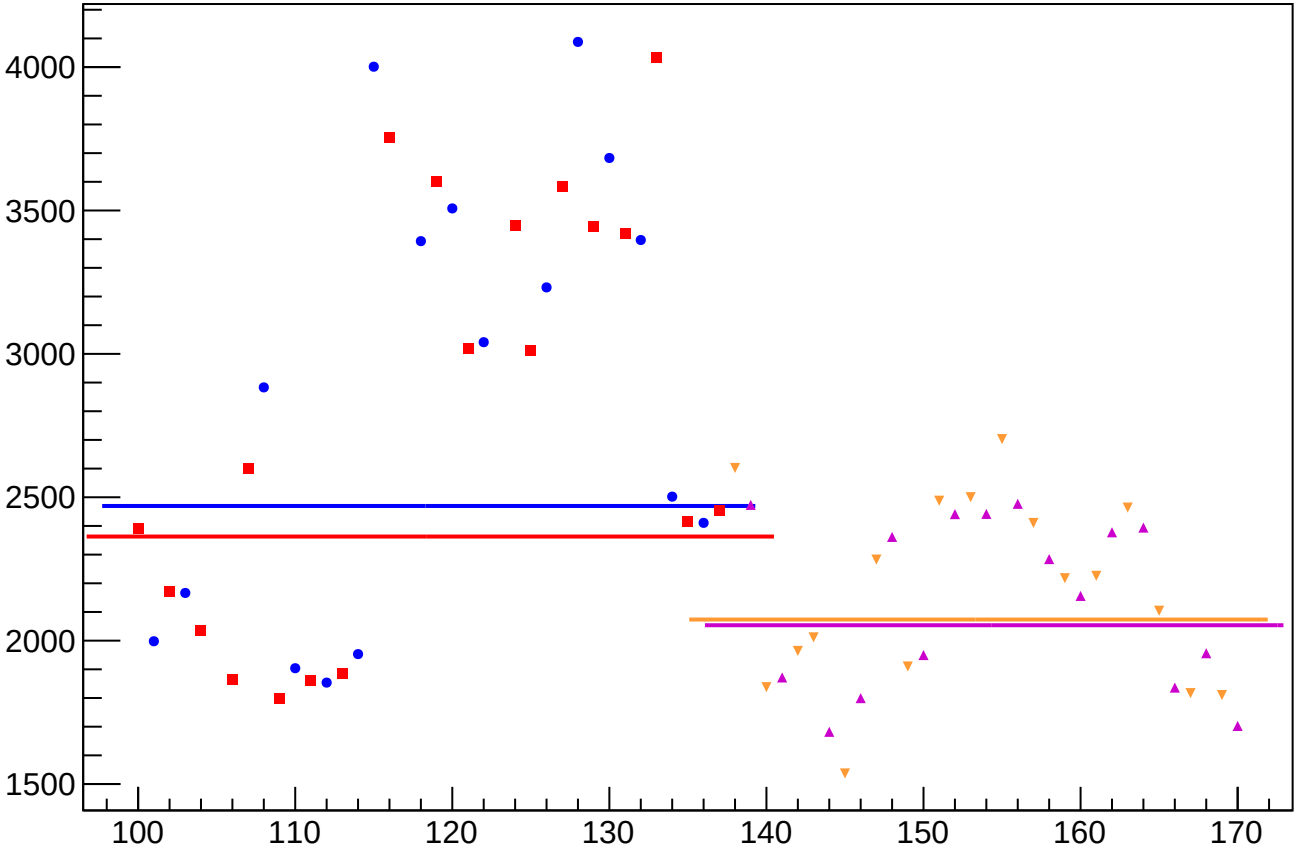
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 346.852+/-490.701 χ^2/NDF:38.5/31

Out: 1919.835+/-484.162 χ^2/NDF:67.9/35

All: 1143.894+/-344.643 χ^2/NDF: 111.7/67

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2073.652+/-0.406 χ^2/NDF:656703.5/16

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2053.768+/-0.405 χ^2/NDF:519994.1/15

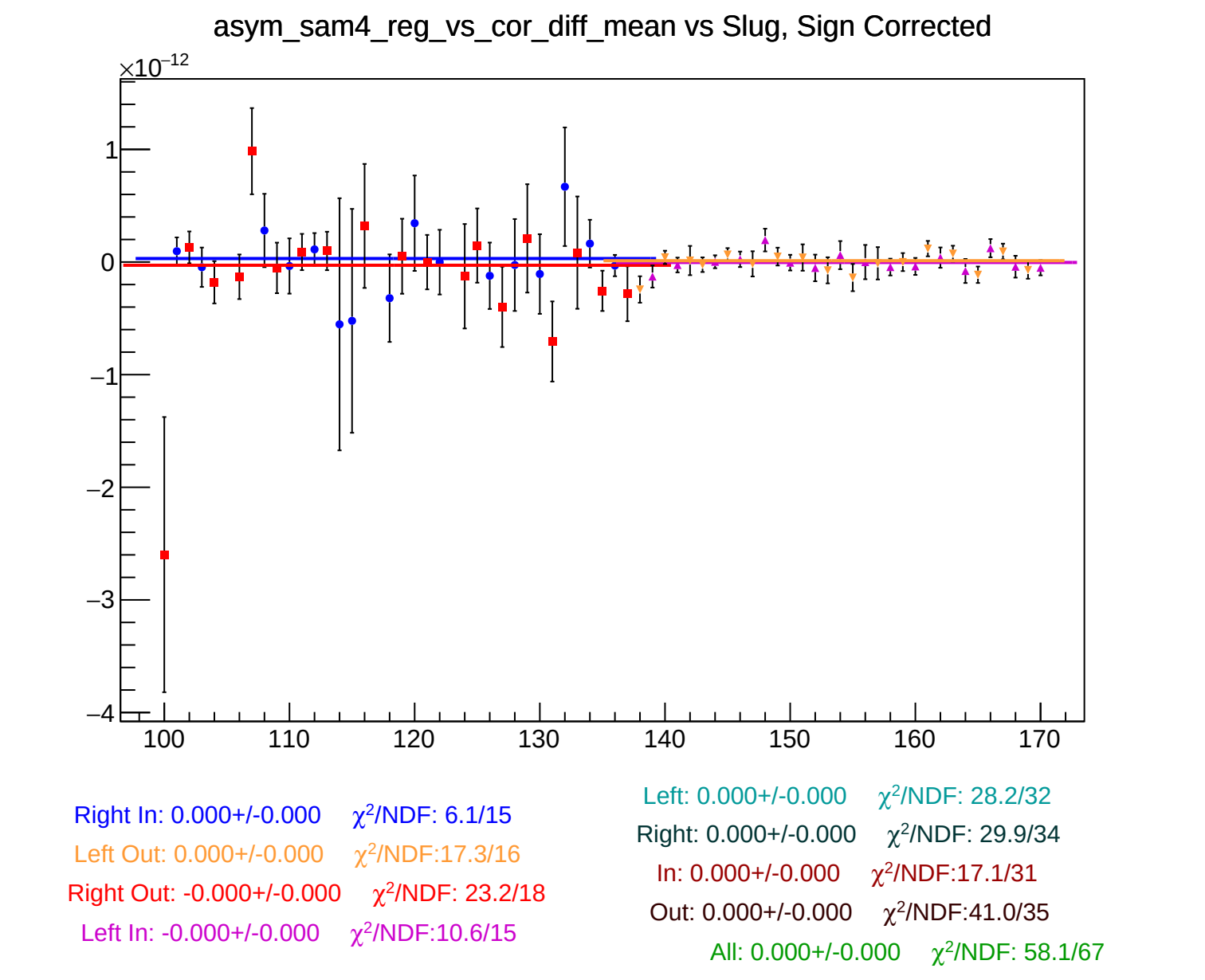
Left: 2063.676+/-0.287 χ^2/NDF: 1177899.9/32

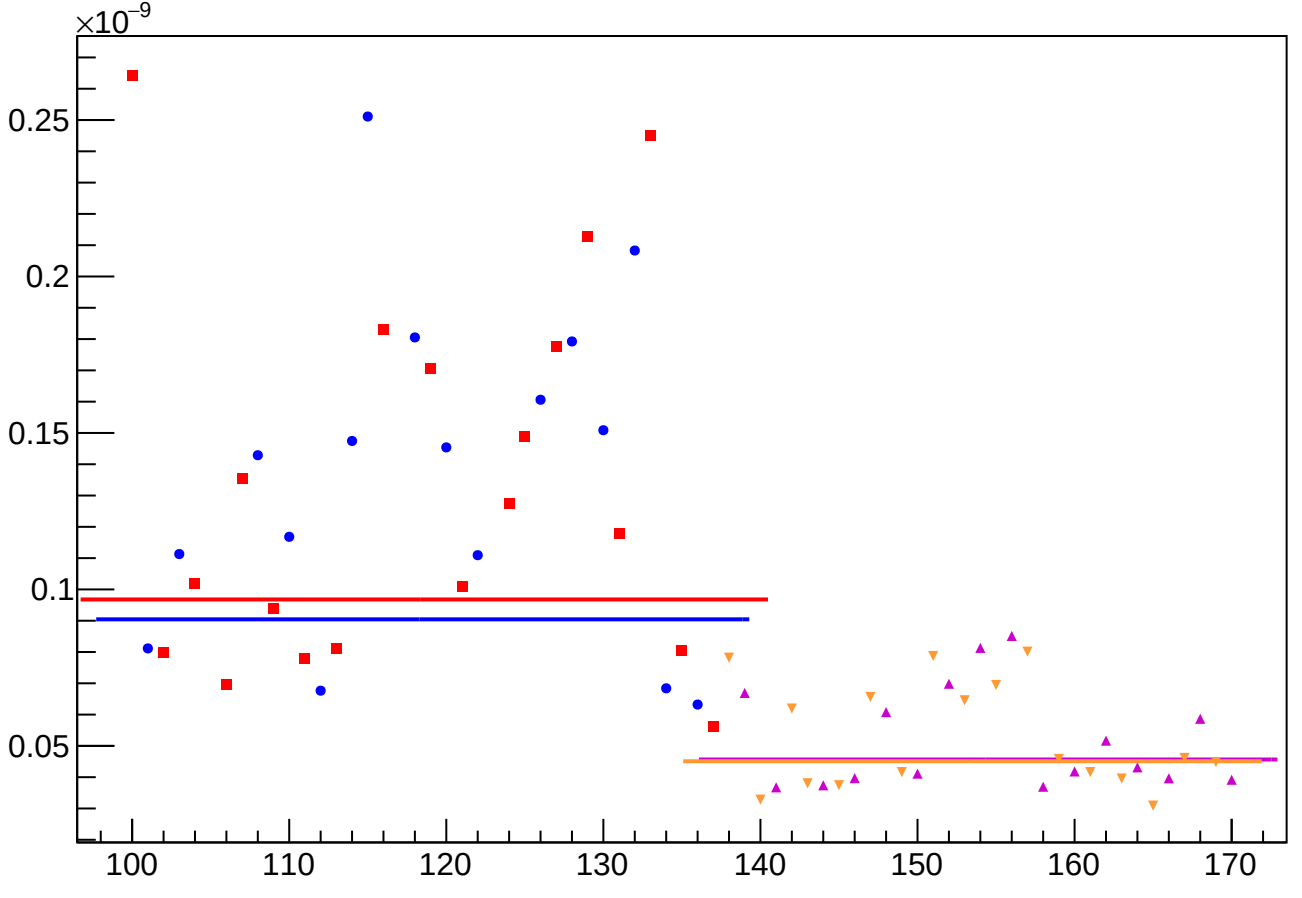
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2164.082+/-0.347 χ^2/NDF:1686149.4/31

Out: 2157.459+/-0.342 χ^2/NDF:1847055.9/35

All: 2160.726+/-0.244 χ^2/NDF: 3533389.8/67


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:17.3/16
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.6/15
Left: 0.000+/-0.000 χ²/NDF: 28.2/32
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:17.1/31
Out: 0.000+/-0.000 χ²/NDF:41.0/35
All: 0.000+/-0.000 χ²/NDF: 58.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925555.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:729828.2/15

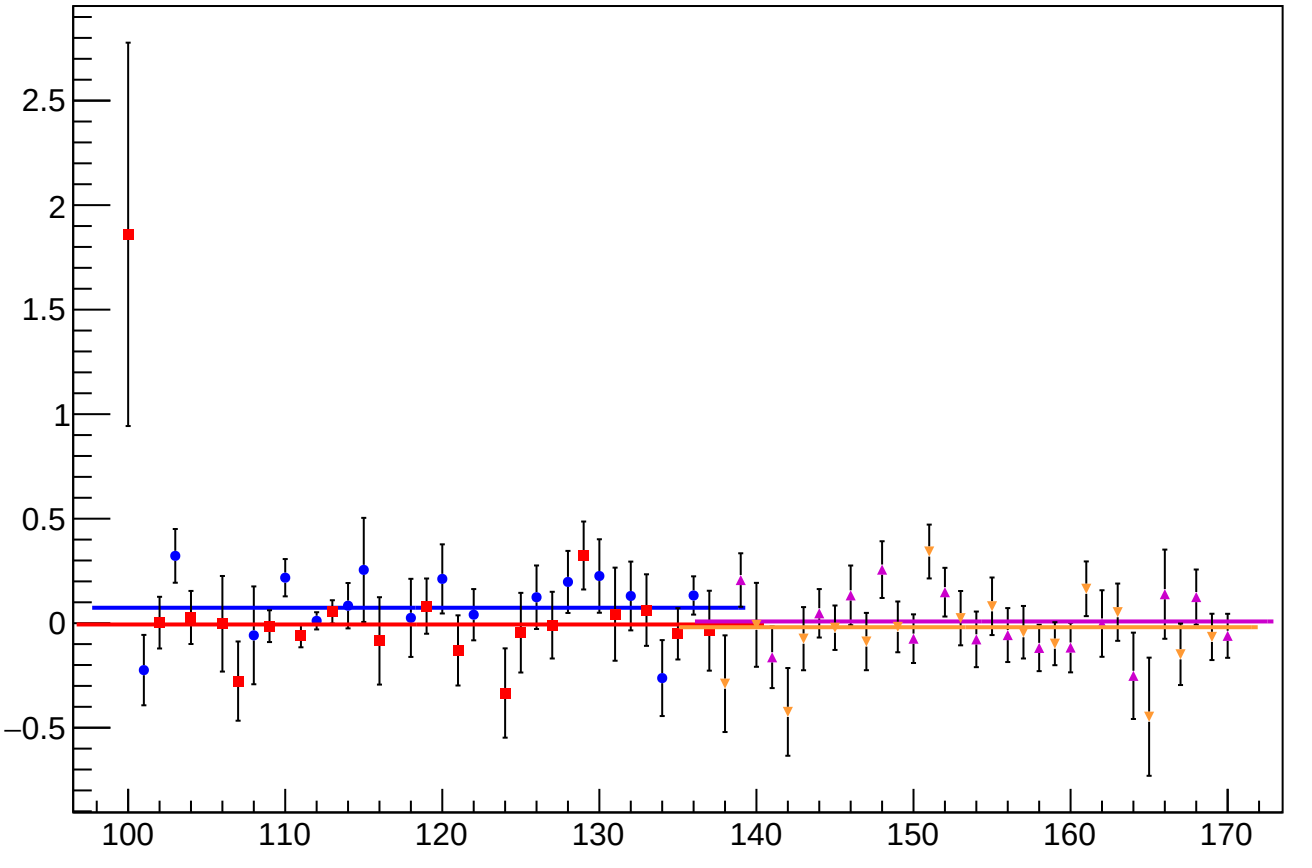
Left: 0.000+/-0.000 χ^2/NDF: 1656183.0/32

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2916548.2/31

Out: 0.000+/-0.000 χ^2/NDF:3298797.4/35

All: 0.000+/-0.000 χ^2/NDF: 6217234.5/67



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.033 χ^2/NDF:20.1/16

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.033 χ^2/NDF:16.2/15

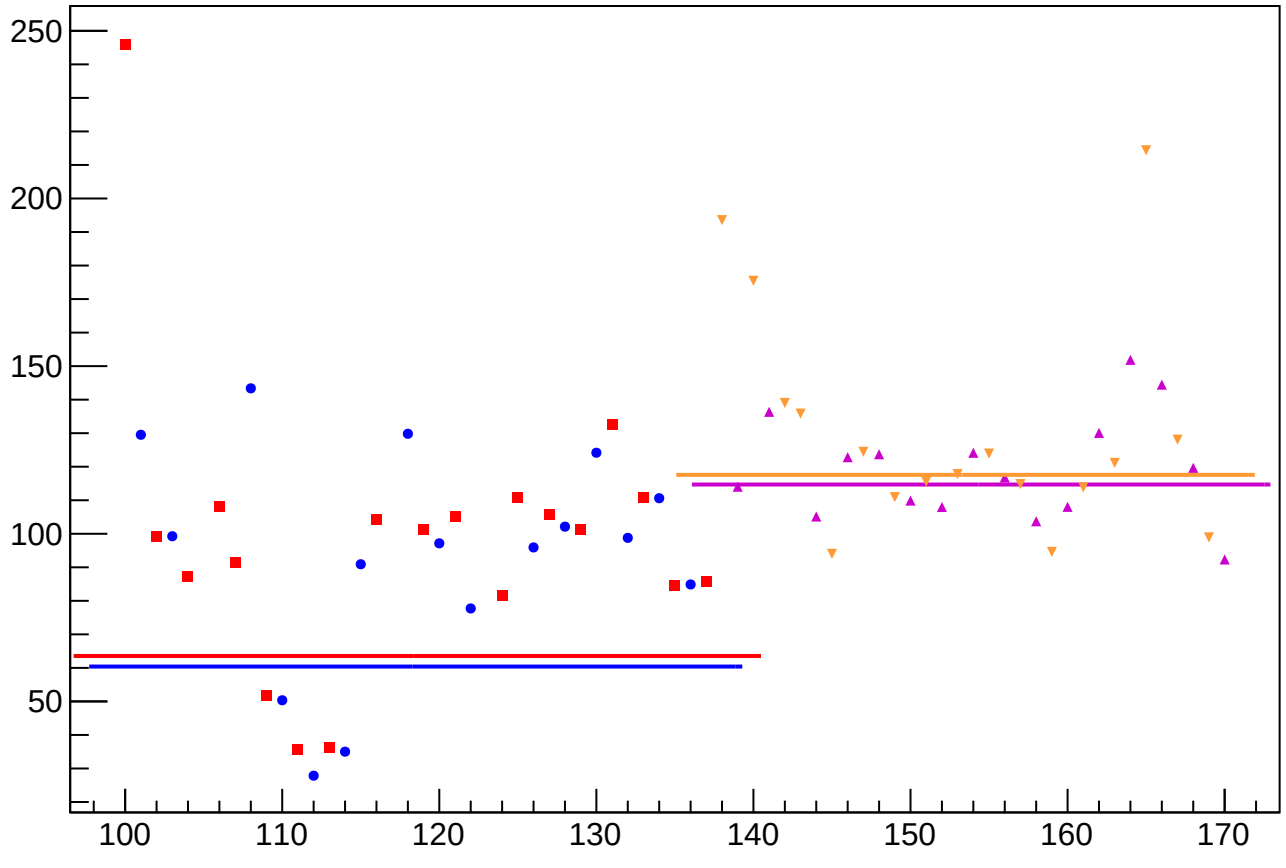
Left: -0.005+/-0.023 χ^2/NDF: 36.6/32

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/35

All: 0.018+/-0.015 χ^2/NDF: 78.1/67



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.575+/-0.024 χ^2/NDF:951471.9/16

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.690+/-0.023 χ^2/NDF:334128.8/15

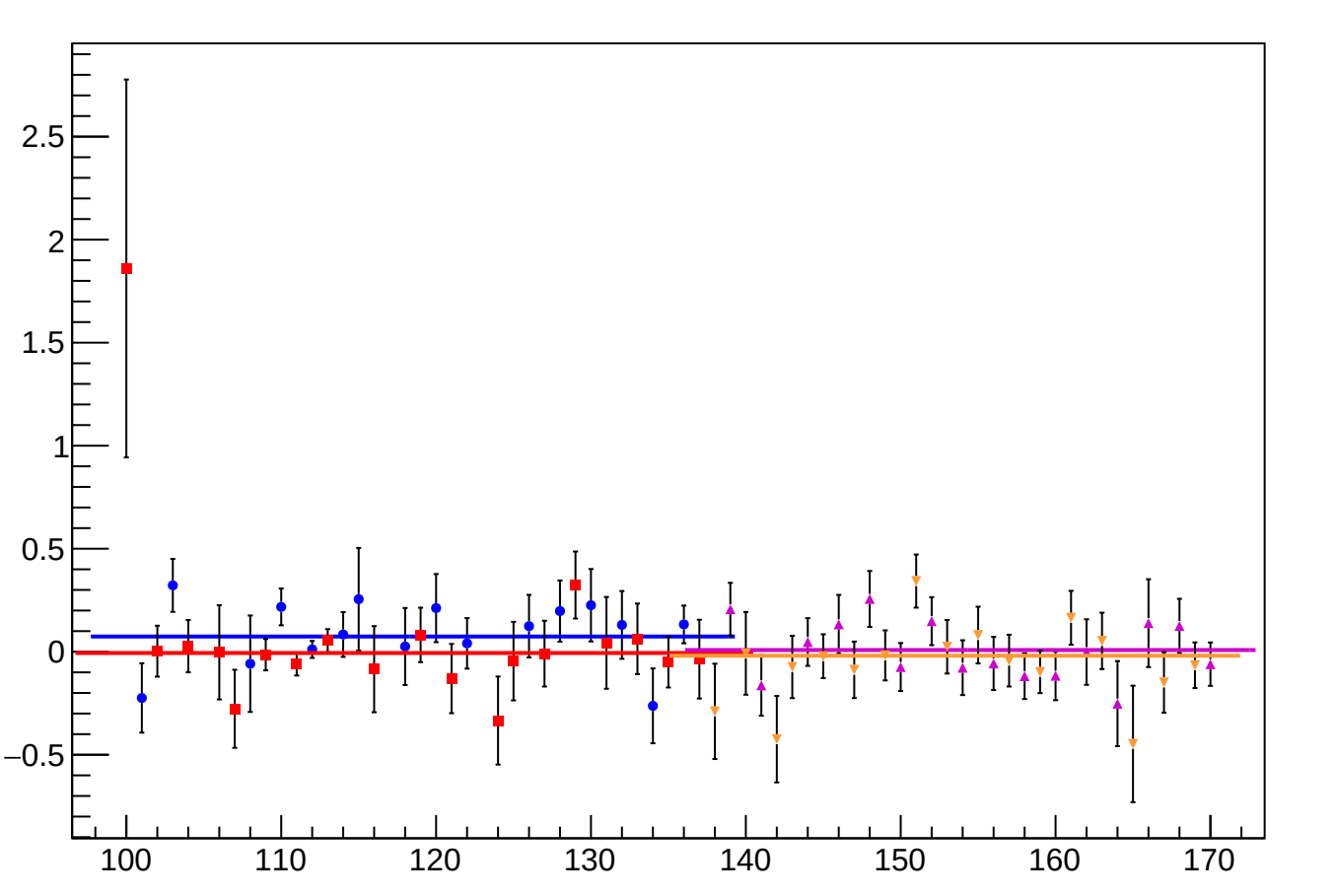
Left: 116.107+/-0.017 χ^2/NDF: 1293236.7/32

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 82.396+/-0.015 χ^2/NDF:7145323.6/31

Out: 84.818+/-0.015 χ^2/NDF:6797537.0/35

All: 83.604+/-0.010 χ^2/NDF: 13956330.6/67



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.033 χ^2/NDF:20.1/16

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.033 χ^2/NDF:16.2/15

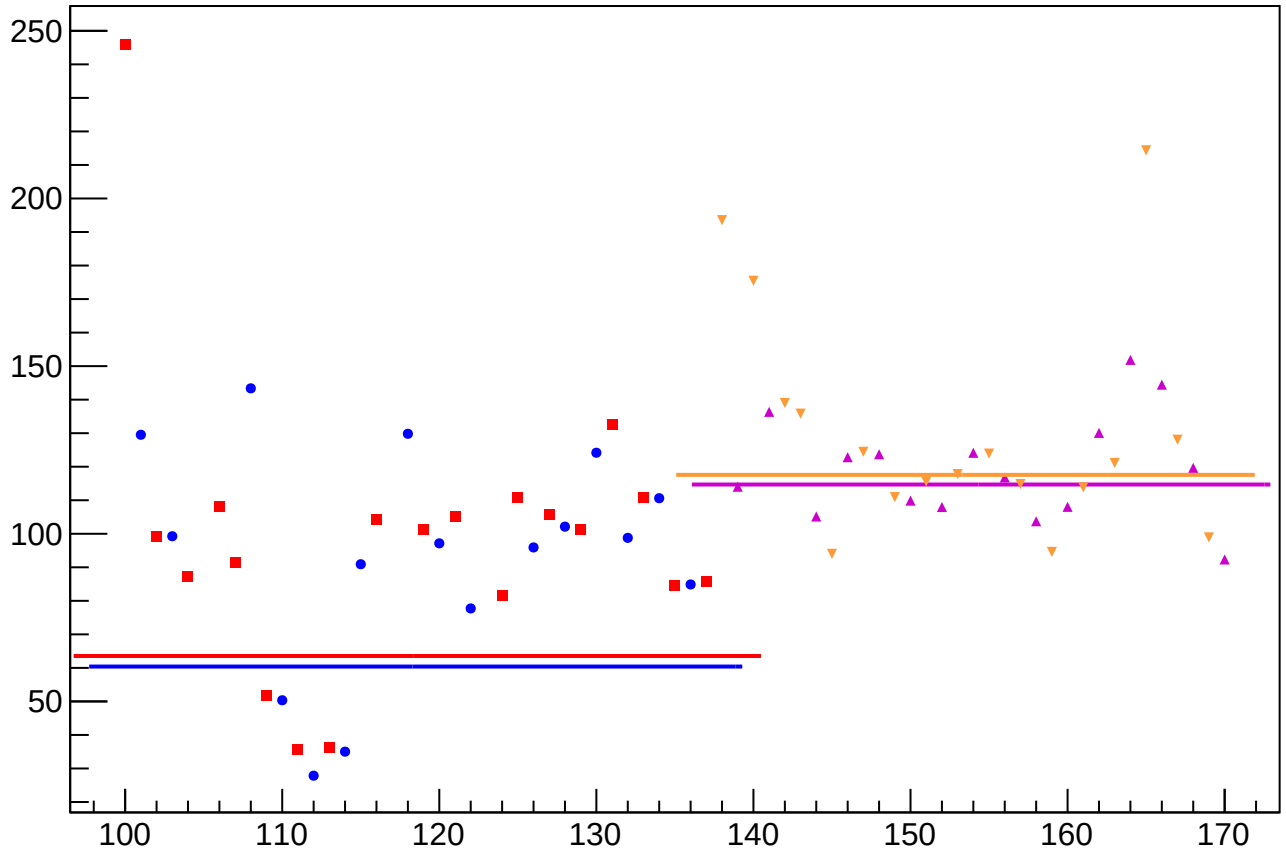
Left: -0.005+/-0.023 χ^2/NDF: 36.6/32

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/35

All: 0.018+/-0.015 χ^2/NDF: 78.1/67



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.575+/-0.024 χ^2/NDF:951471.9/16

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.690+/-0.023 χ^2/NDF:334128.8/15

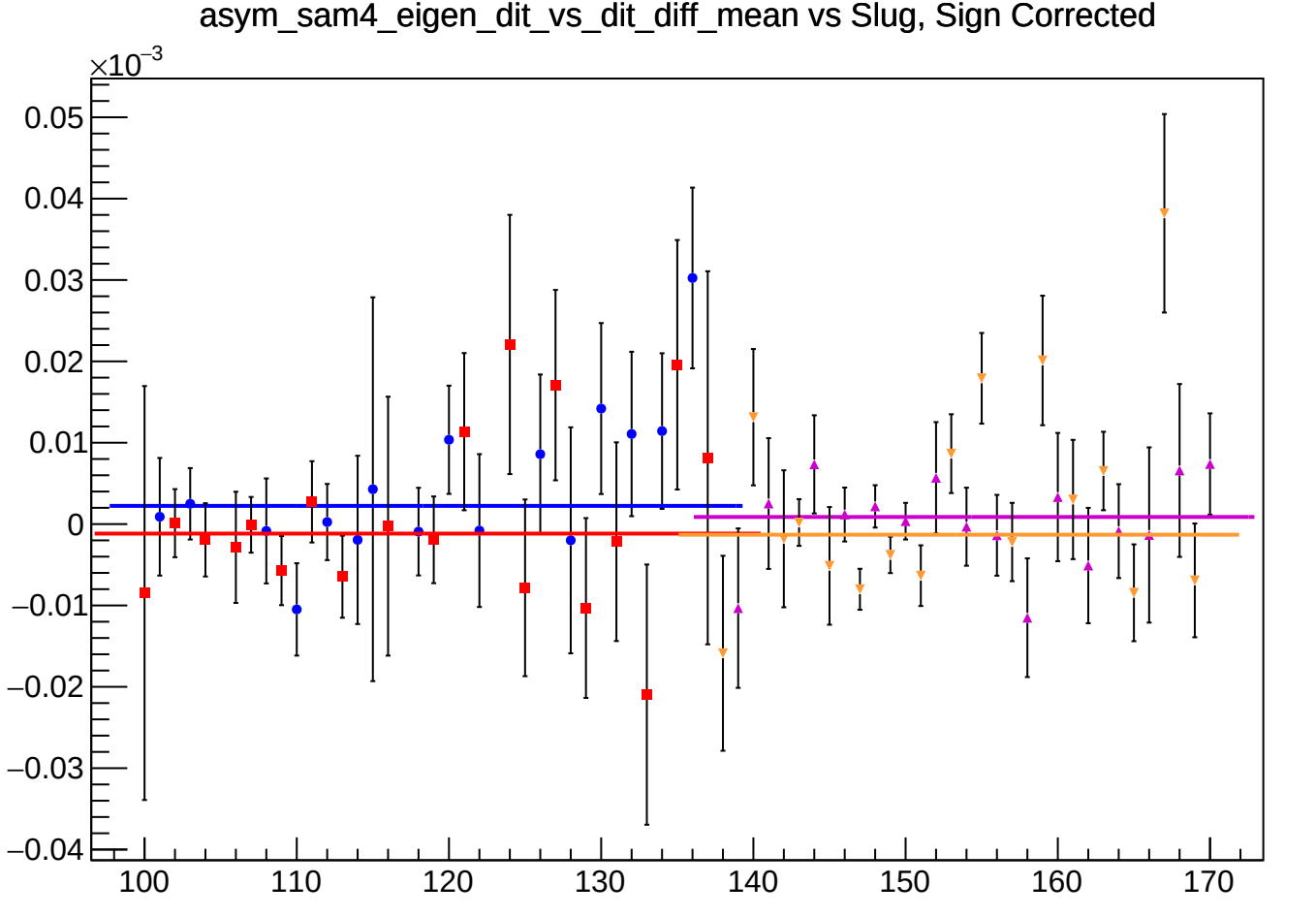
Left: 116.107+/-0.017 χ^2/NDF: 1293236.7/32

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 82.396+/-0.015 χ^2/NDF:7145323.6/31

Out: 84.818+/-0.015 χ^2/NDF:6797537.0/35

All: 83.604+/-0.010 χ^2/NDF: 13956330.6/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:54.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/15

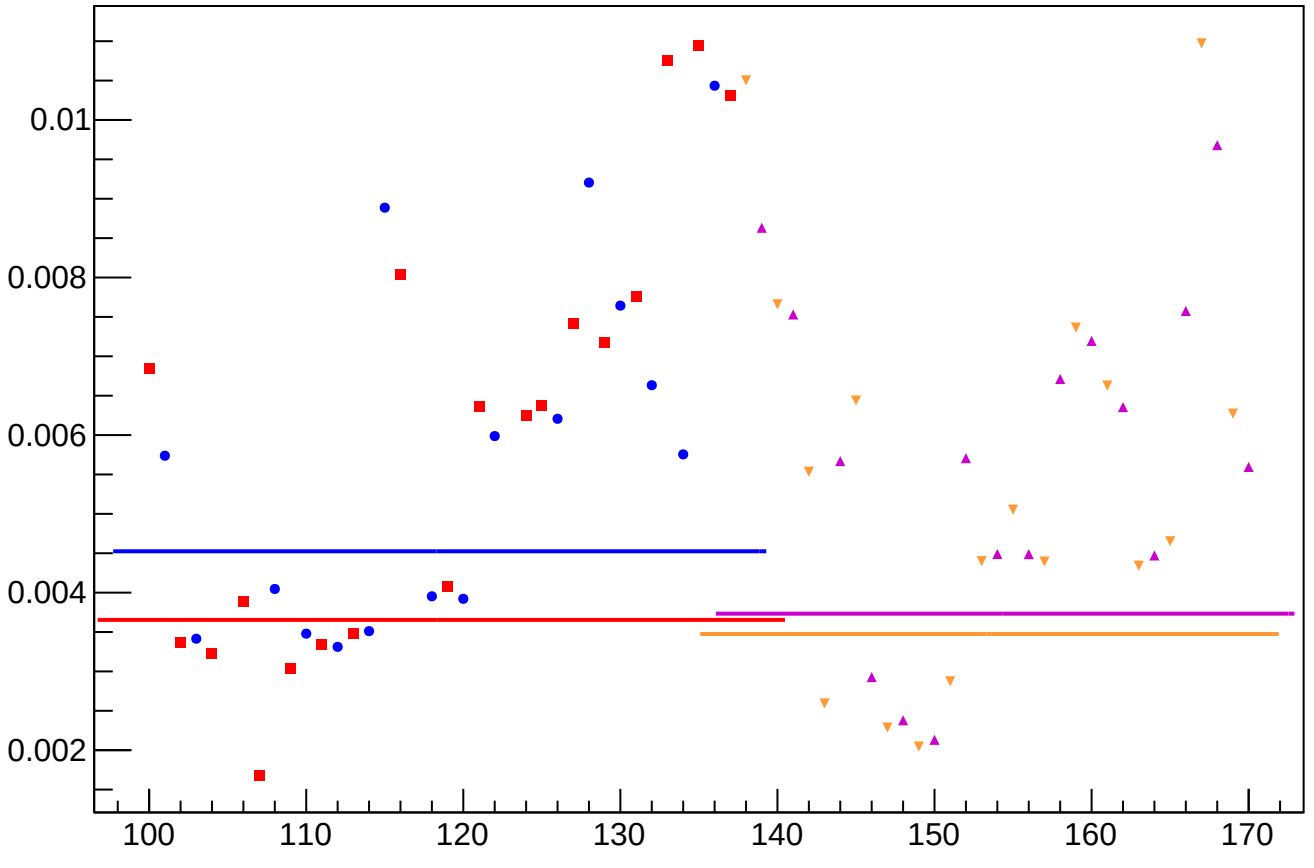
Left: -0.000+/-0.000 χ^2/NDF: 64.7/32

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.6/31

Out: -0.000+/-0.000 χ^2/NDF:68.2/35

All: -0.000+/-0.000 χ^2/NDF: 98.5/67



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:5515405.7/16

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:5171687.6/15

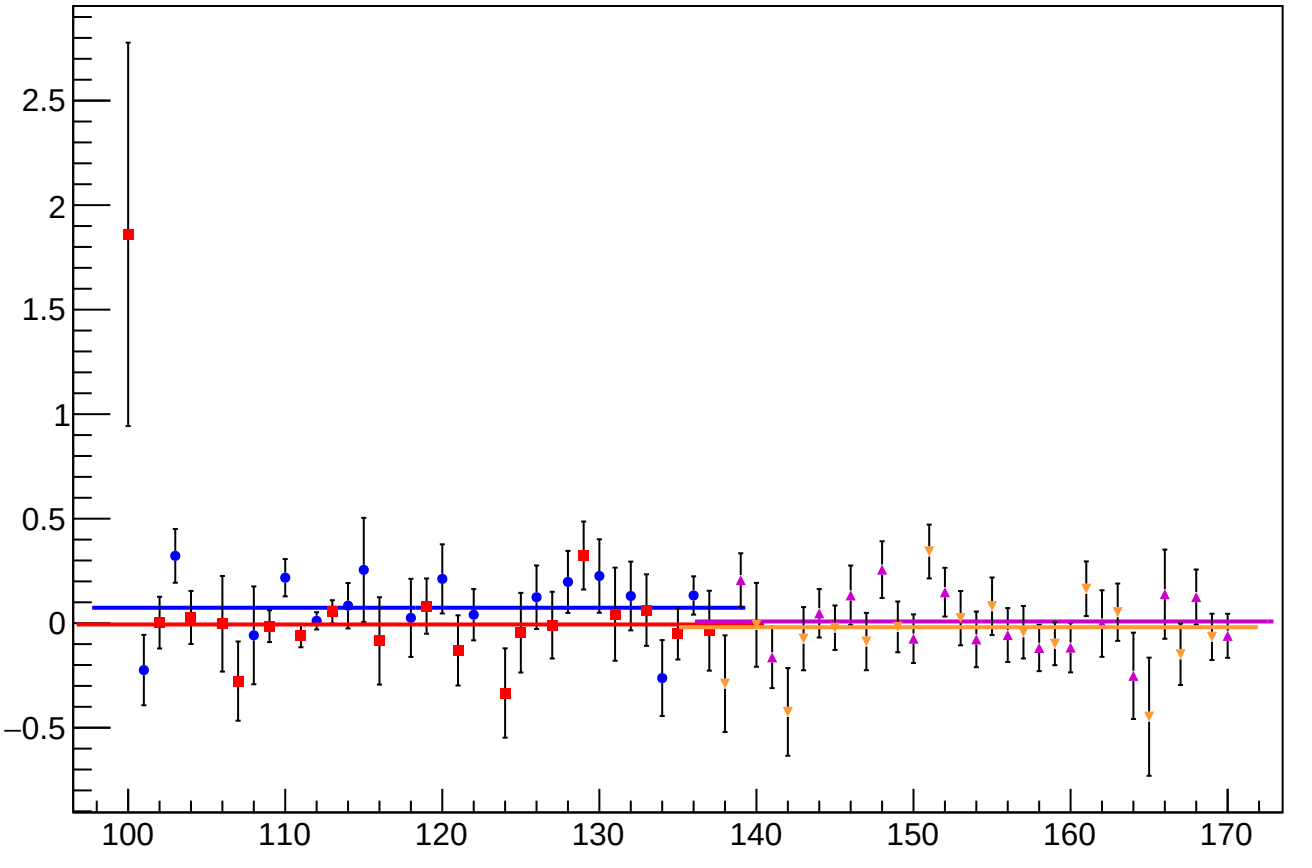
Left: 0.004+/-0.000 χ^2/NDF: 10739311.9/32

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:7161871.8/31

Out: 0.004+/-0.000 χ^2/NDF:8467423.9/35

All: 0.004+/-0.000 χ^2/NDF: 15843312.1/67



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.033 χ^2/NDF:20.1/16

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.033 χ^2/NDF:16.2/15

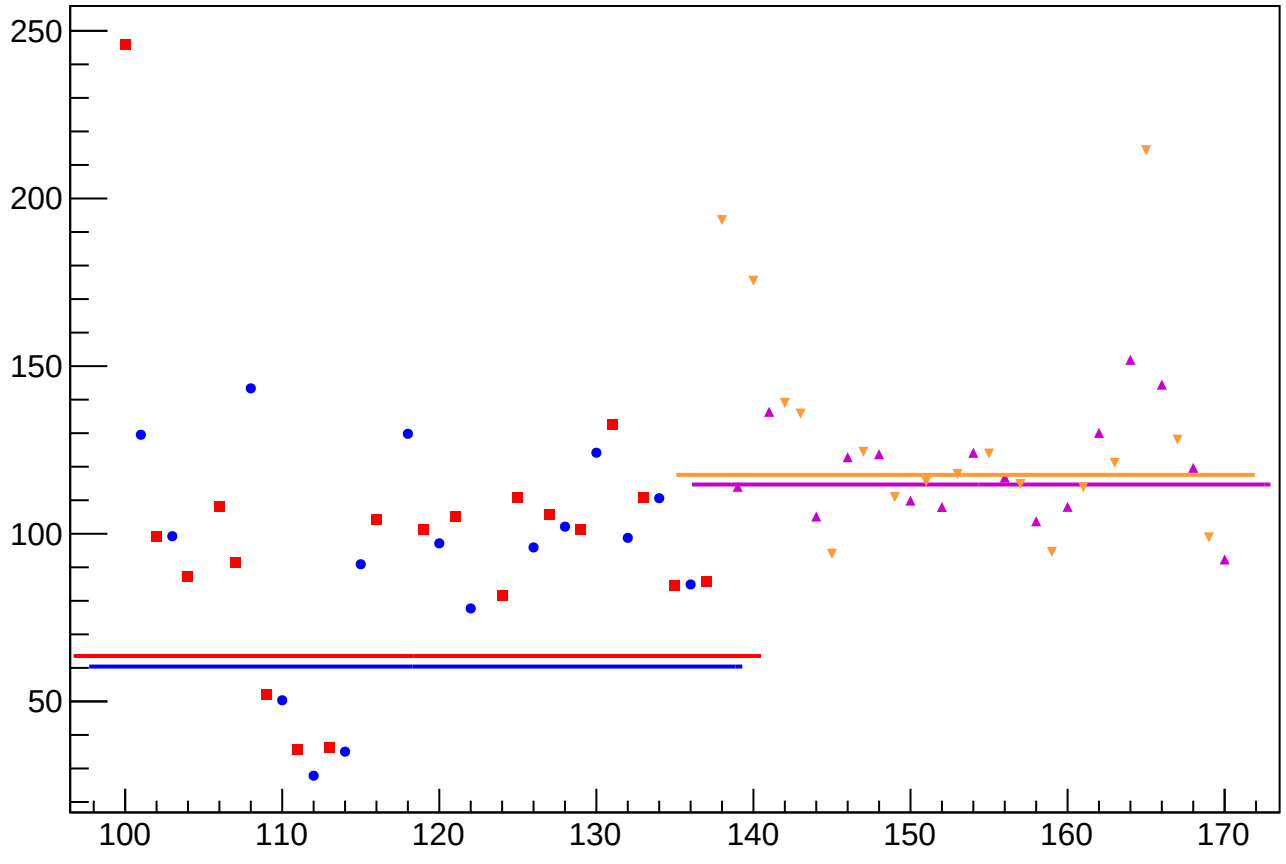
Left: -0.005+/-0.023 χ^2/NDF: 36.6/32

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/35

All: 0.018+/-0.015 χ^2/NDF: 78.1/67



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.576+/-0.024 χ^2/NDF:951450.3/16

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.690+/-0.023 χ^2/NDF:334133.5/15

Left: 116.108+/-0.017 χ^2/NDF: 1293220.3/32

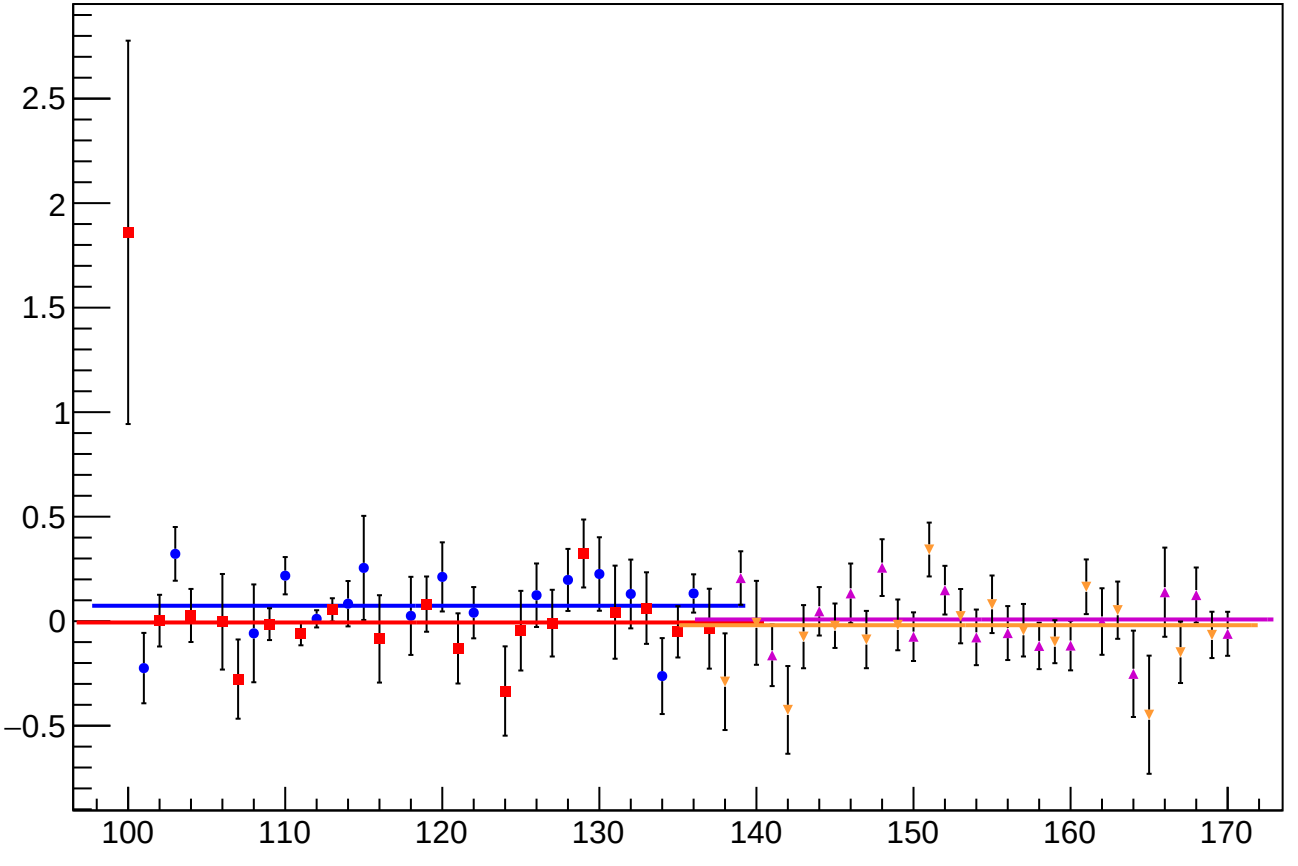
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 82.395+/-0.015 χ^2/NDF:7145974.5/31

Out: 84.816+/-0.015 χ^2/NDF:6798130.3/35

All: 83.602+/-0.010 χ^2/NDF: 13957578.3/67

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: -0.019+/-0.033 χ^2/NDF:20.1/16

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.008+/-0.033 χ^2/NDF:16.2/15

Left: -0.005+/-0.023 χ^2/NDF: 36.6/32

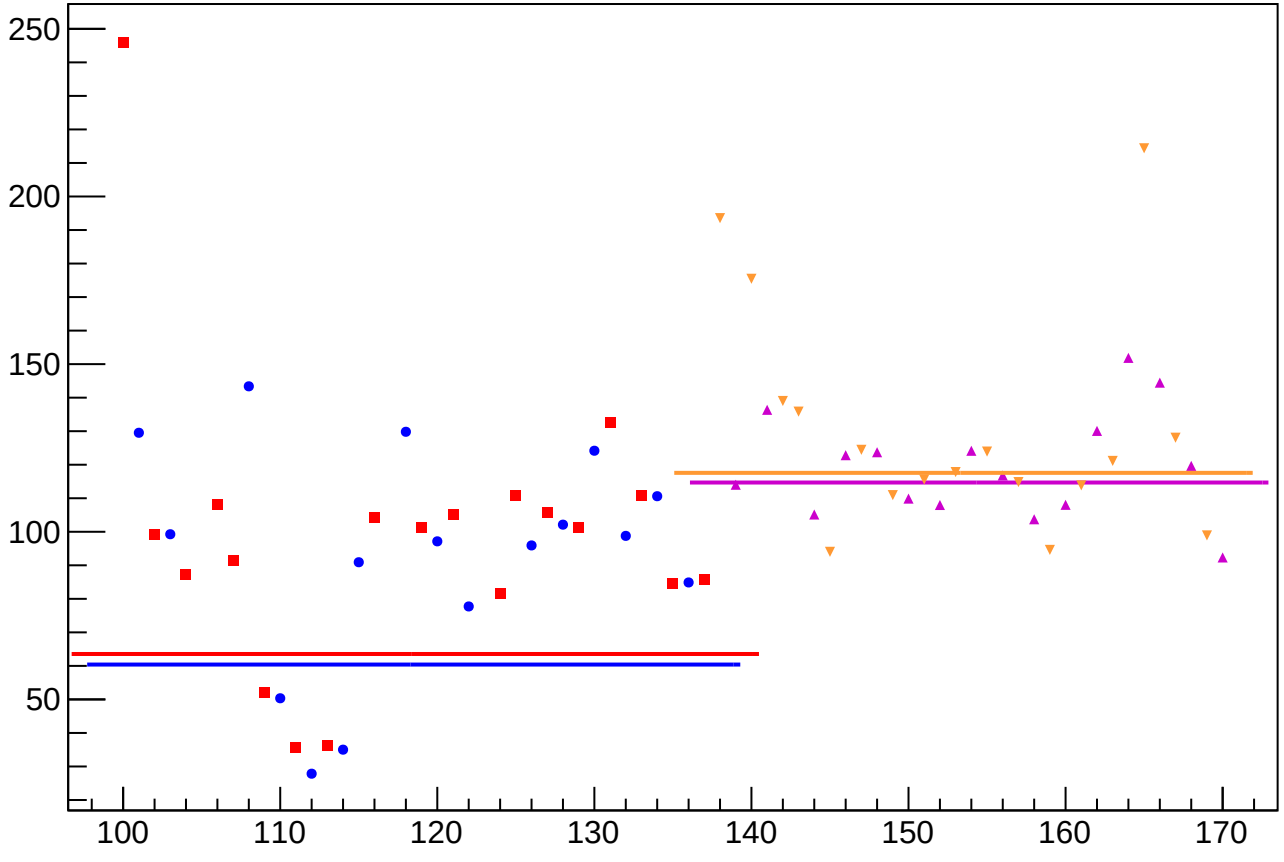
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/35

All: 0.018+/-0.015 χ^2/NDF: 78.1/67

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.576+/-0.024 χ^2/NDF:951450.3/16

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.690+/-0.023 χ^2/NDF:334133.5/15

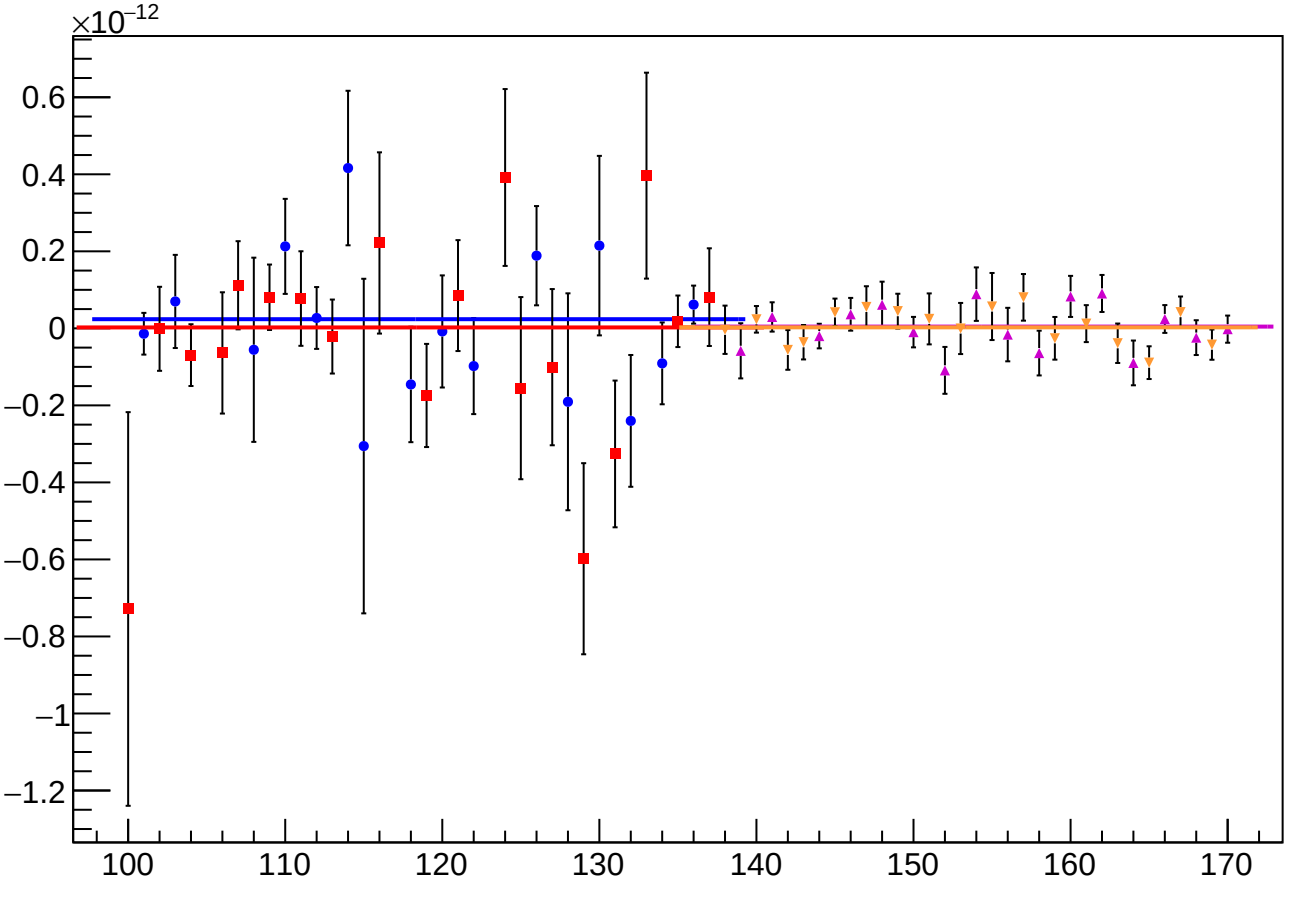
Left: 116.108+/-0.017 χ^2/NDF: 1293220.3/32

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 82.395+/-0.015 χ^2/NDF:7145974.5/31

Out: 84.816+/-0.015 χ^2/NDF:6798130.3/35

All: 83.602+/-0.010 χ^2/NDF: 13957578.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/15

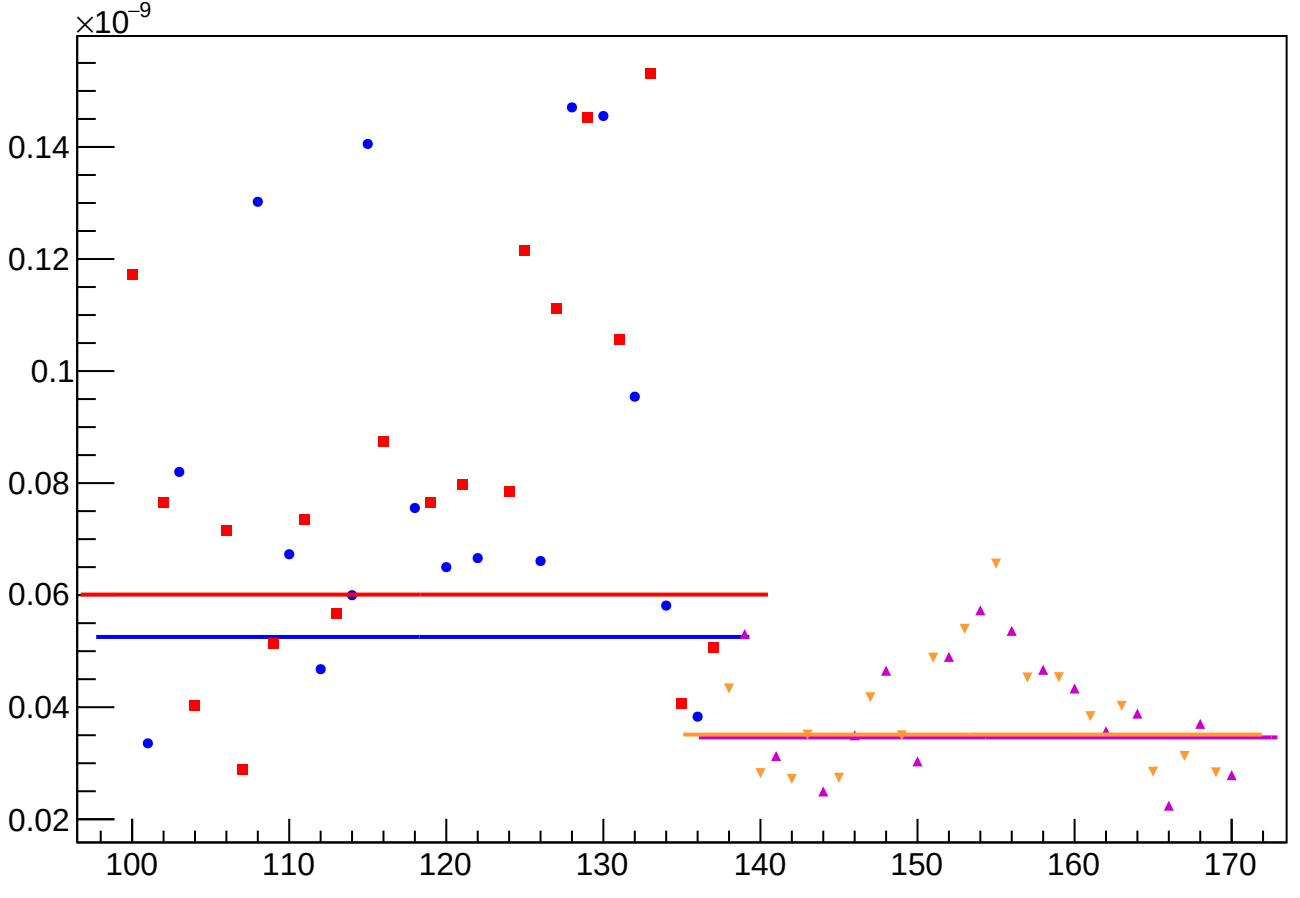
Left: 0.000+/-0.000 χ^2/NDF: 34.1/32

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.8/31

Out: 0.000+/-0.000 χ^2/NDF:38.7/35

All: 0.000+/-0.000 χ^2/NDF: 74.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1059222.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1366857.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2428017.1/32

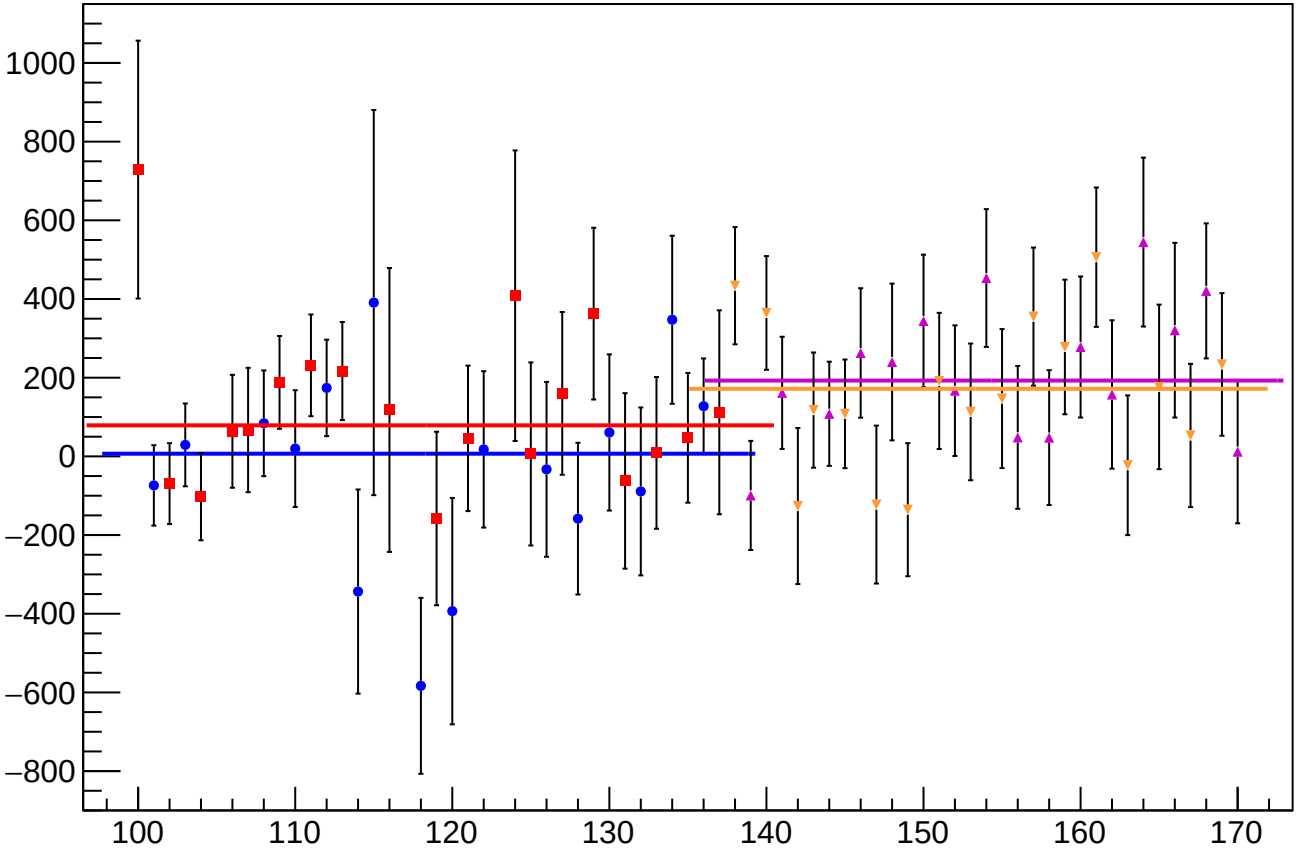
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3800061.1/31

Out: 0.000+/-0.000 χ^2/NDF:3887368.9/35

All: 0.000+/-0.000 χ^2/NDF: 7697345.0/67

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 171.730+/-41.188 χ^2/NDF:19.9/16

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 192.709+/-42.478 χ^2/NDF:15.6/15

Left: 181.896+/-29.570 χ^2/NDF: 35.5/32

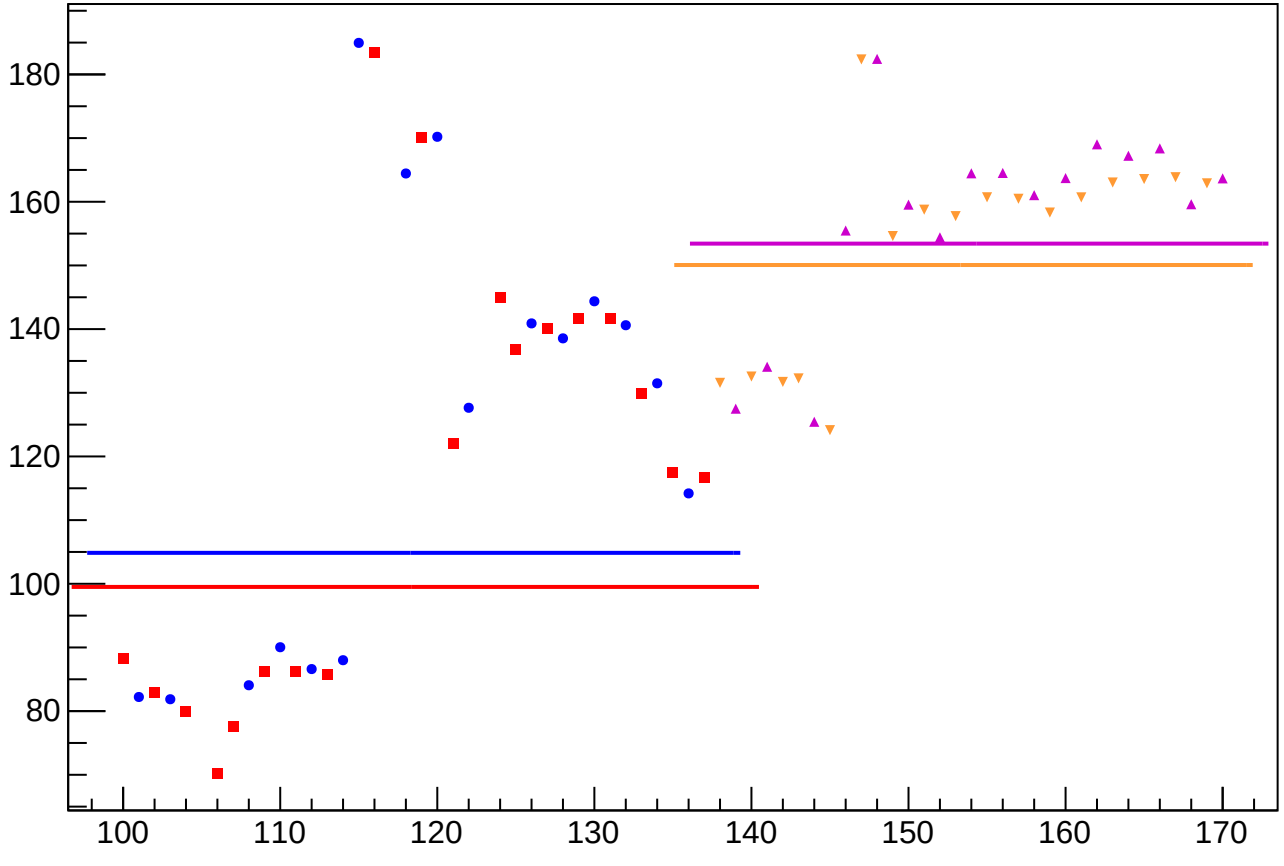
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 94.994+/-29.256 χ^2/NDF:44.4/31

Out: 121.460+/-27.892 χ^2/NDF:39.3/35

All: 108.859+/-20.188 χ^2/NDF: 84.1/67

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 150.066+/-0.029 χ^2/NDF:306284.8/16

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

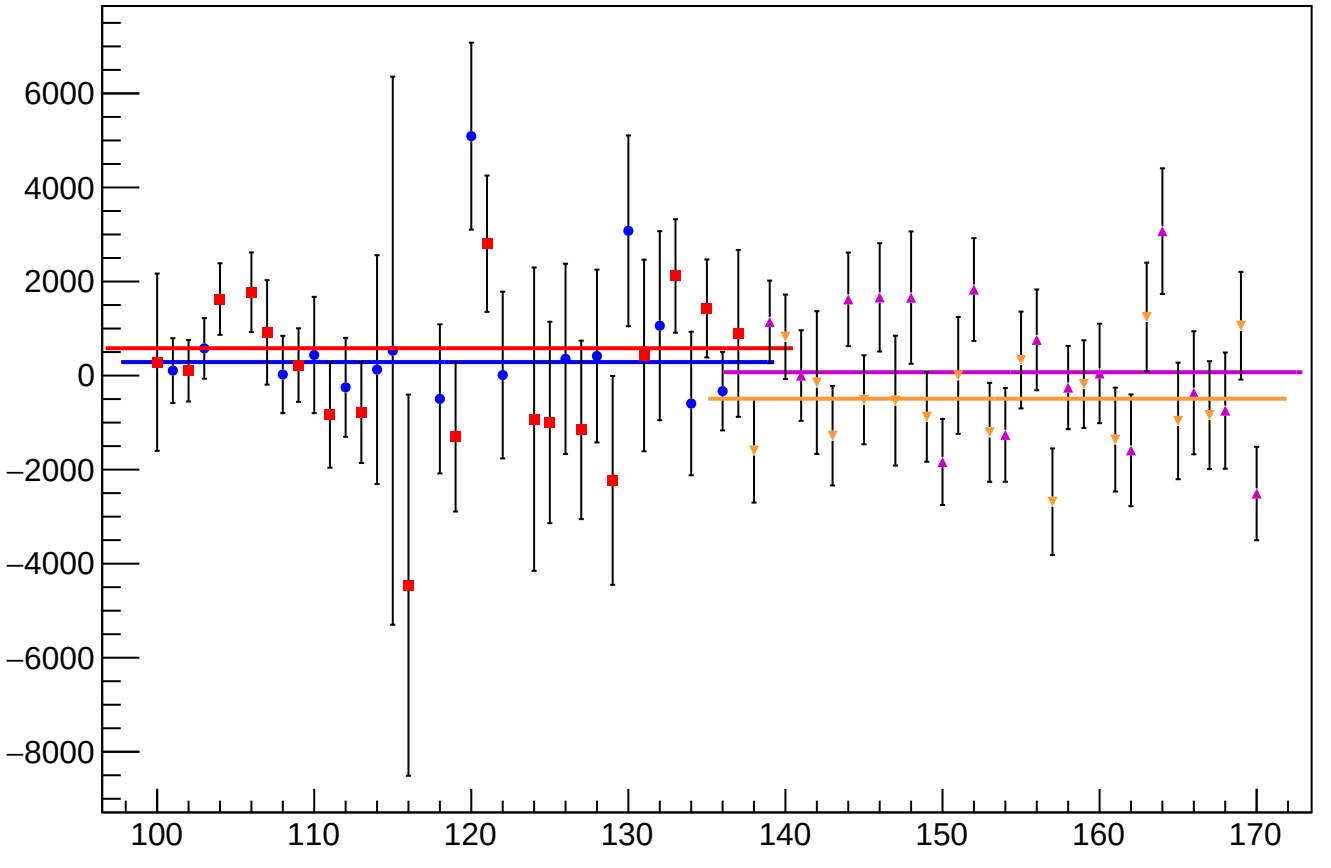
Left: 151.694+/-0.021 χ^2/NDF: 620144.9/32

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 127.898+/-0.021 χ^2/NDF:2612870.4/31

Out: 122.692+/-0.020 χ^2/NDF:2976906.4/35

All: 125.171+/-0.014 χ^2/NDF: 5622945.5/67



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -491.848+/-264.535 χ^2/NDF:14.0/16

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 71.319+/-264.987 χ^2/NDF:30.6/15

Left: -210.745+/-187.214 χ^2/NDF: 46.9/32

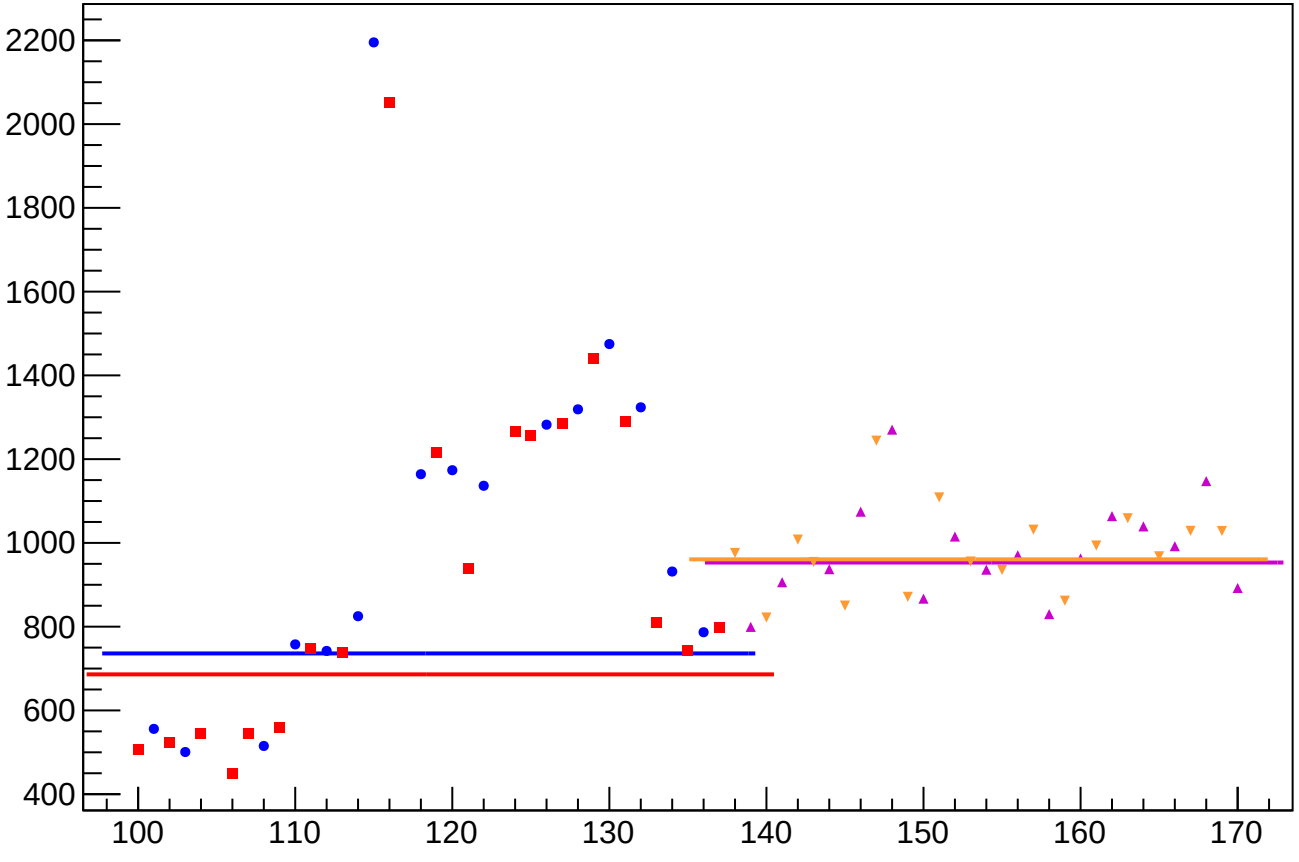
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 168.148+/-196.676 χ^2/NDF:40.6/31

Out: 34.161+/-188.880 χ^2/NDF:40.8/35

All: 98.446+/-136.231 χ^2/NDF: 81.7/67

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 960.755+/-0.187 χ^2/NDF:269464.0/16

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 953.138+/-0.187 χ^2/NDF:339199.2/15

Left: 956.953+/-0.132 χ^2/NDF: 609491.0/32

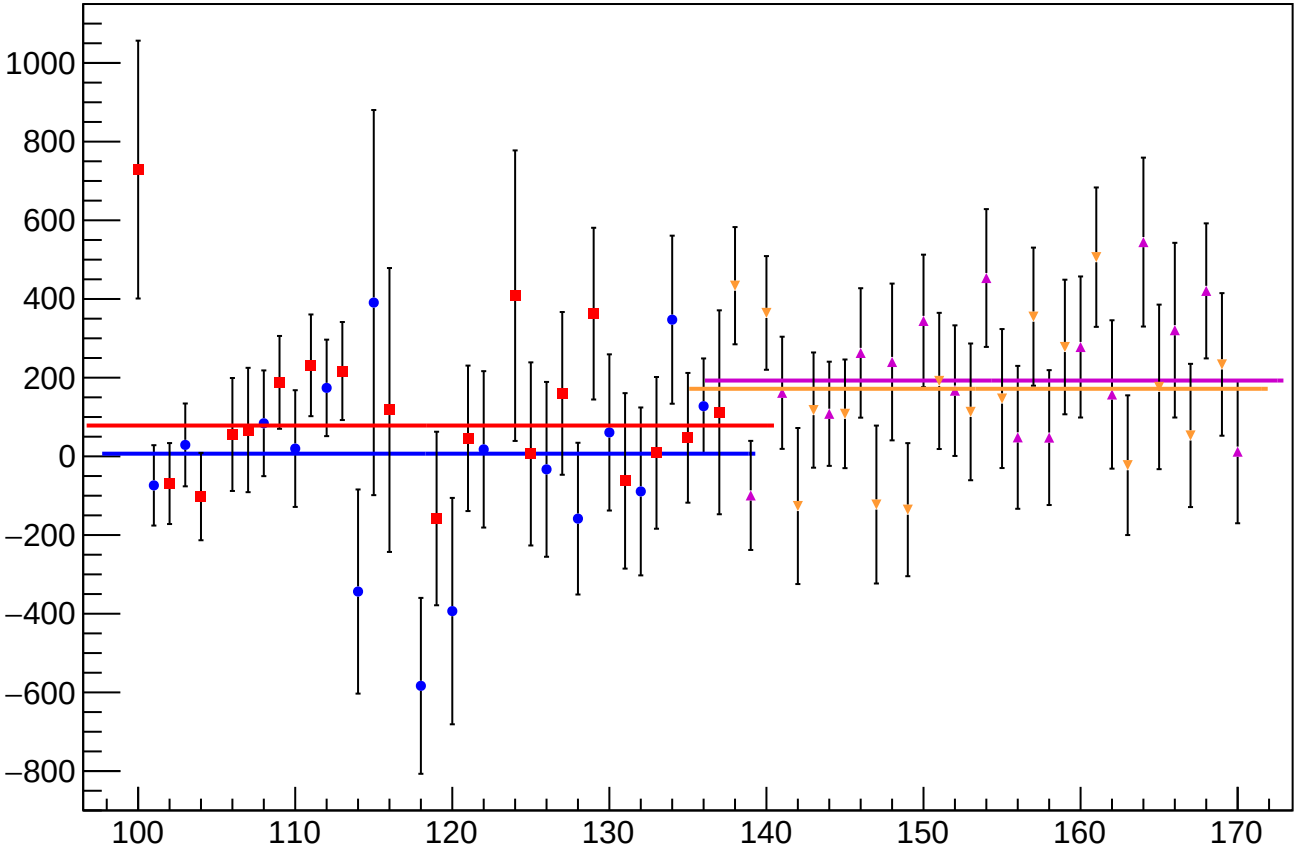
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 855.654+/-0.139 χ^2/NDF:2786367.2/31

Out: 826.125+/-0.134 χ^2/NDF:3145414.0/35

All: 840.293+/-0.096 χ^2/NDF: 5955234.0/67

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 171.729+/-41.188 χ^2/NDF:19.9/16

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 192.709+/-42.478 χ^2/NDF:15.6/15

Left: 181.896+/-29.570 χ^2/NDF: 35.5/32

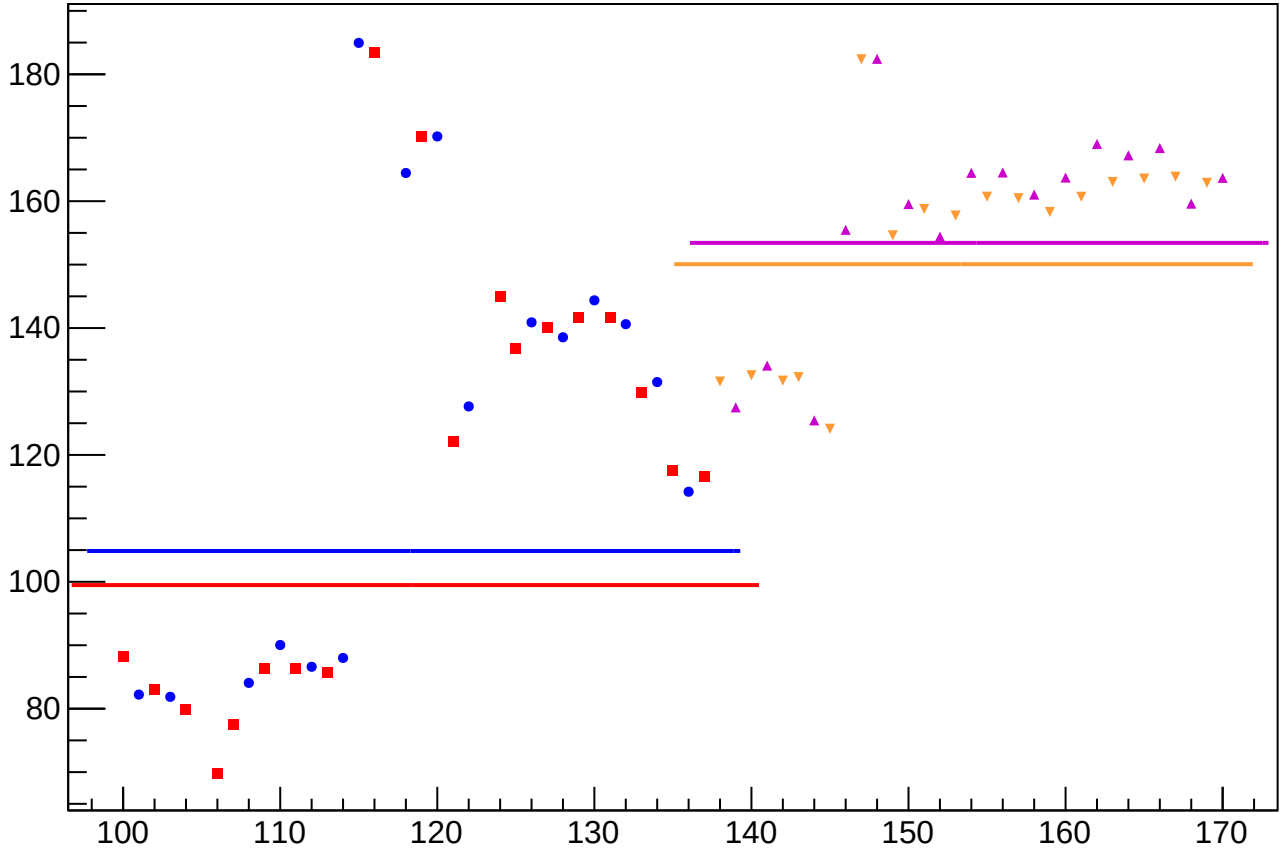
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.989+/-29.256 χ^2/NDF:44.4/31

Out: 121.173+/-27.893 χ^2/NDF:39.3/35

All: 108.705+/-20.188 χ^2/NDF: 84.2/67

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.066+/-0.029 χ^2/NDF:306284.8/16

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

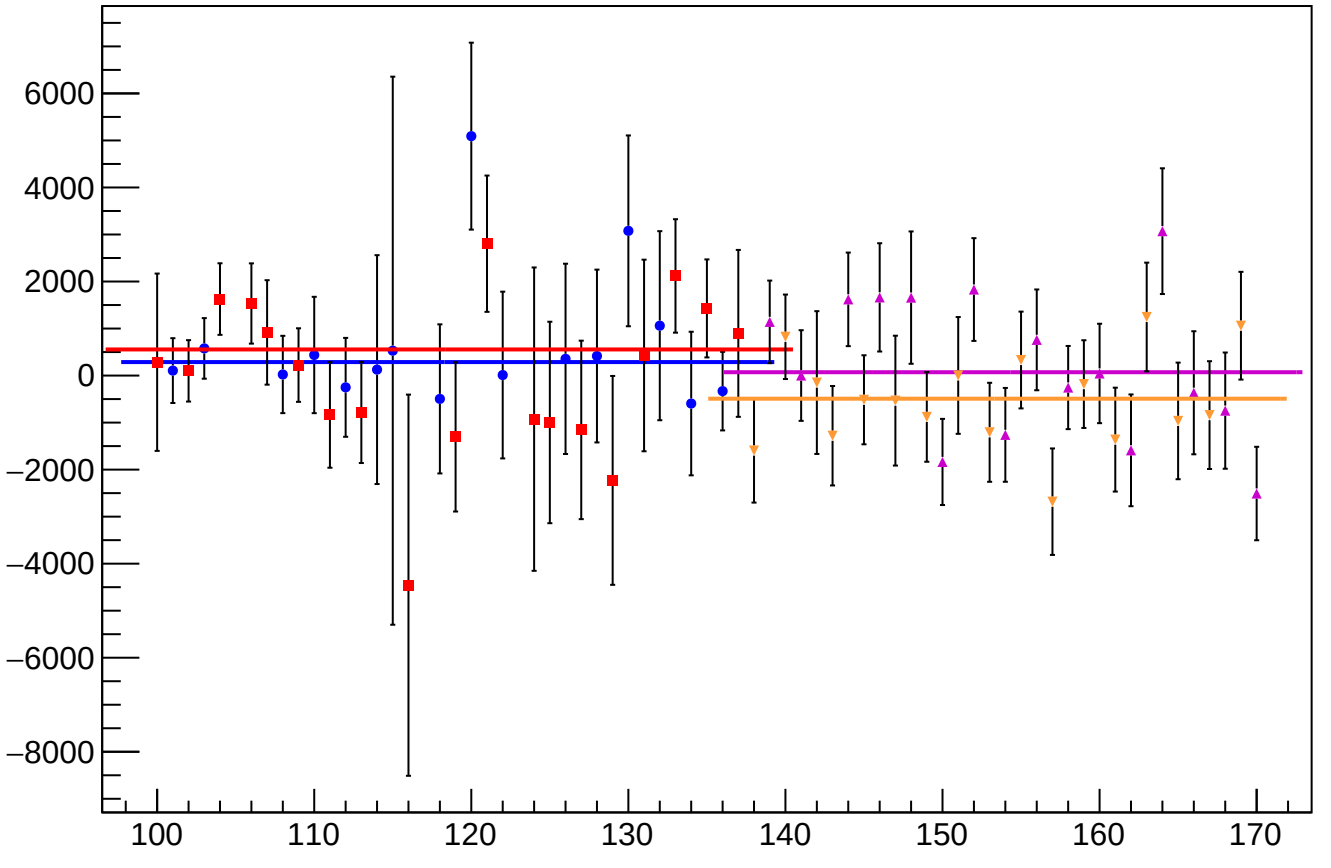
Left: 151.694+/-0.021 χ^2/NDF: 620144.9/32

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 127.898+/-0.021 χ^2/NDF:2612868.7/31

Out: 122.681+/-0.020 χ^2/NDF:2980529.4/35

All: 125.165+/-0.014 χ^2/NDF: 5626708.1/67



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -491.846+/-264.535 χ^2/NDF:14.0/16

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 71.319+/-264.987 χ^2/NDF:30.6/15

Left: -210.744+/-187.214 χ^2/NDF: 46.9/32

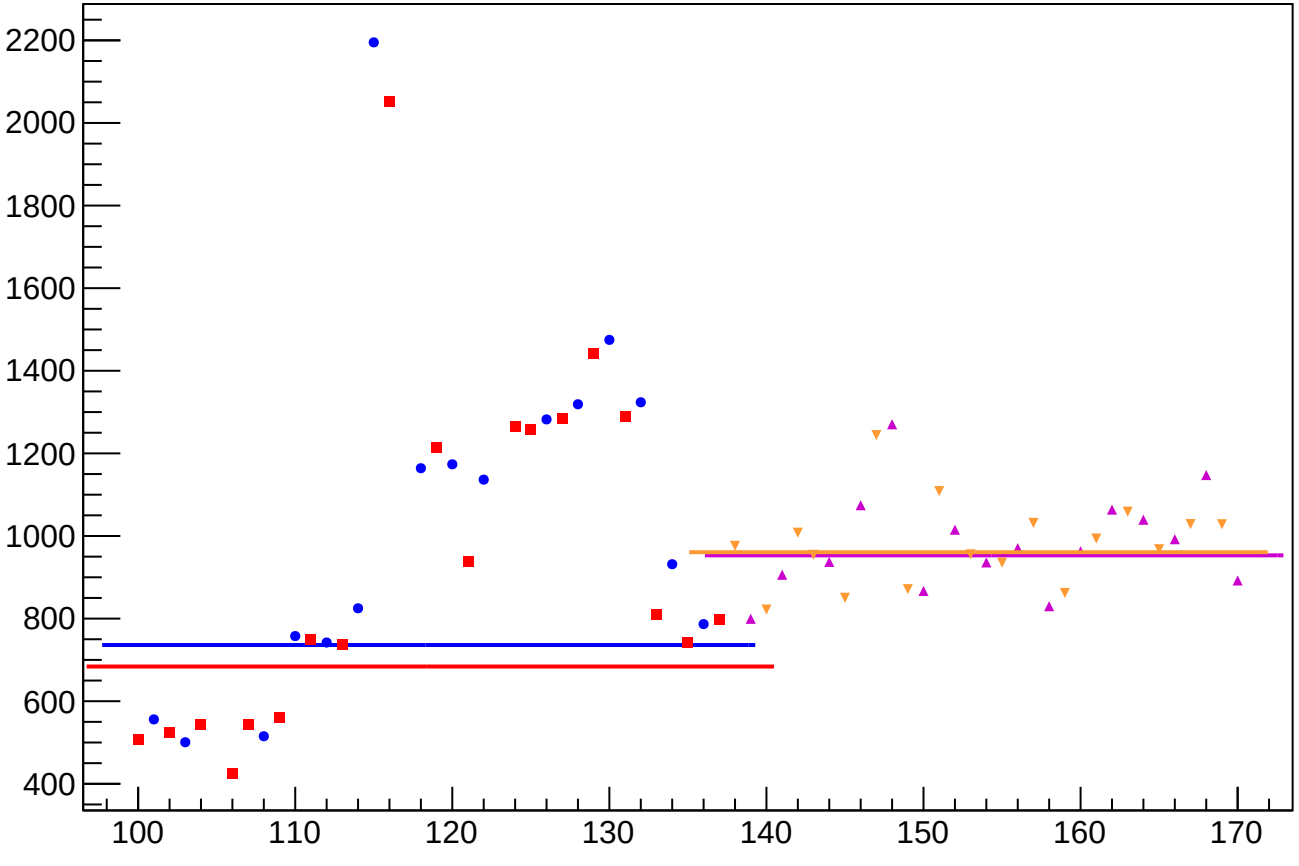
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 168.149+/-196.676 χ^2/NDF:40.6/31

Out: 21.179+/-188.941 χ^2/NDF:39.7/35

All: 91.717+/-136.254 χ^2/NDF: 80.6/67

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 960.756+/-0.187 χ^2/NDF:269463.6/16

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 953.138+/-0.187 χ^2/NDF:339201.7/15

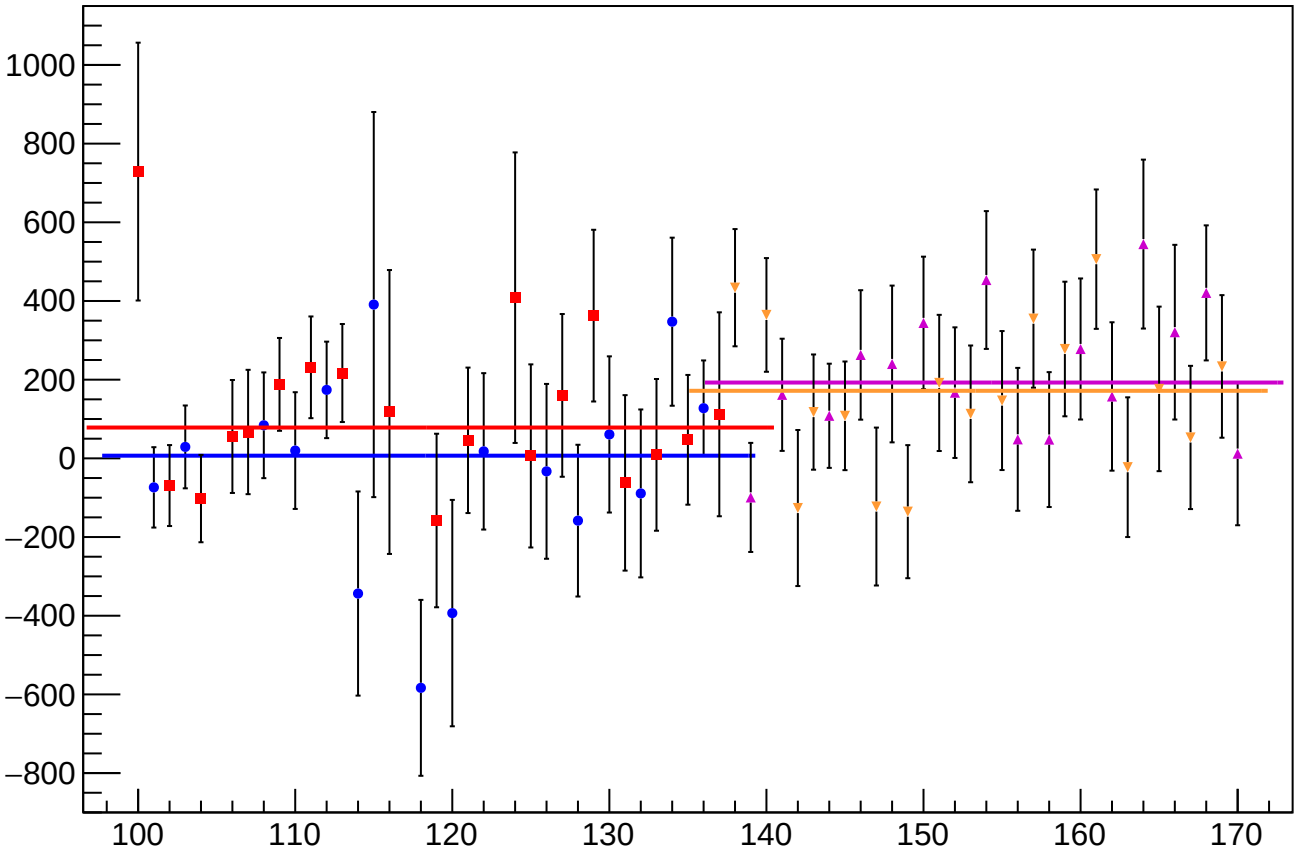
Left: 956.953+/-0.132 χ^2/NDF: 609493.2/32

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 855.654+/-0.139 χ^2/NDF:2786376.3/31

Out: 825.174+/-0.134 χ^2/NDF:3192355.7/35

All: 839.802+/-0.096 χ^2/NDF: 6003712.3/67



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 171.729+/-41.188 χ^2/NDF:19.9/16

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 192.709+/-42.478 χ^2/NDF:15.6/15

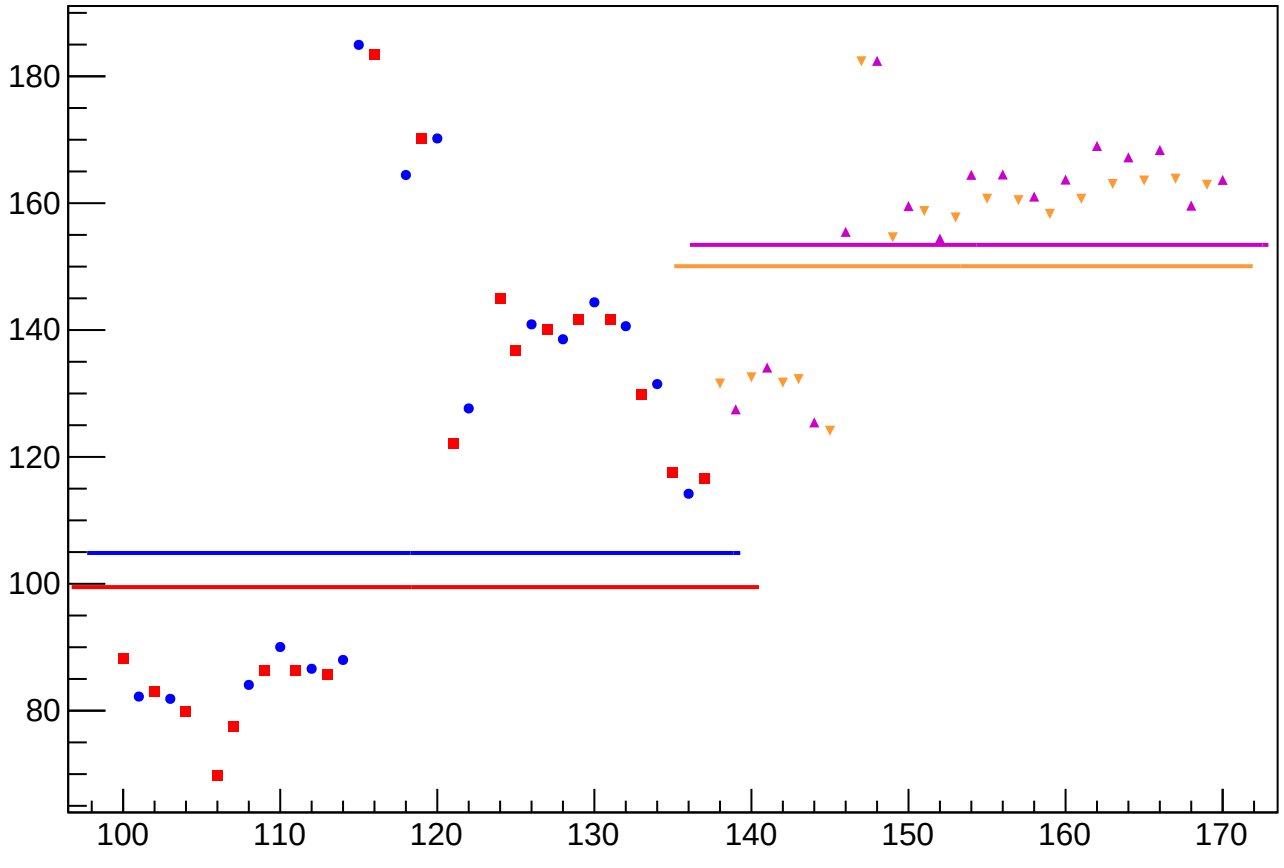
Left: 181.896+/-29.570 χ^2/NDF: 35.5/32

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.989+/-29.256 χ^2/NDF:44.4/31

Out: 121.173+/-27.893 χ^2/NDF:39.3/35

All: 108.705+/-20.188 χ^2/NDF: 84.2/67



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.066+/-0.029 χ^2/NDF:306284.8/16

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

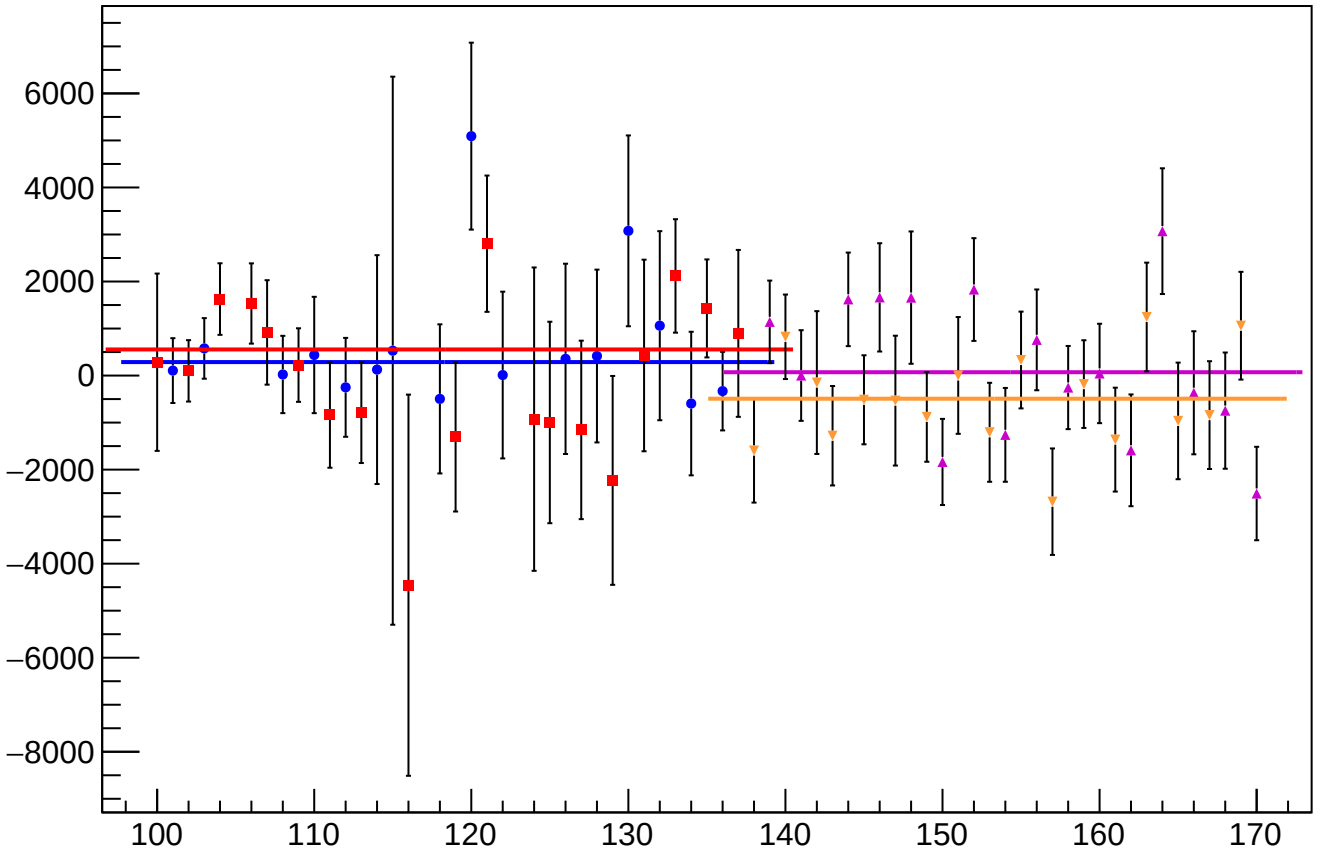
Left: 151.694+/-0.021 χ^2/NDF: 620144.9/32

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 127.898+/-0.021 χ^2/NDF:2612868.7/31

Out: 122.681+/-0.020 χ^2/NDF:2980529.4/35

All: 125.165+/-0.014 χ^2/NDF: 5626708.1/67



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -491.846+/-264.535 χ^2/NDF:14.0/16

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 71.319+/-264.987 χ^2/NDF:30.6/15

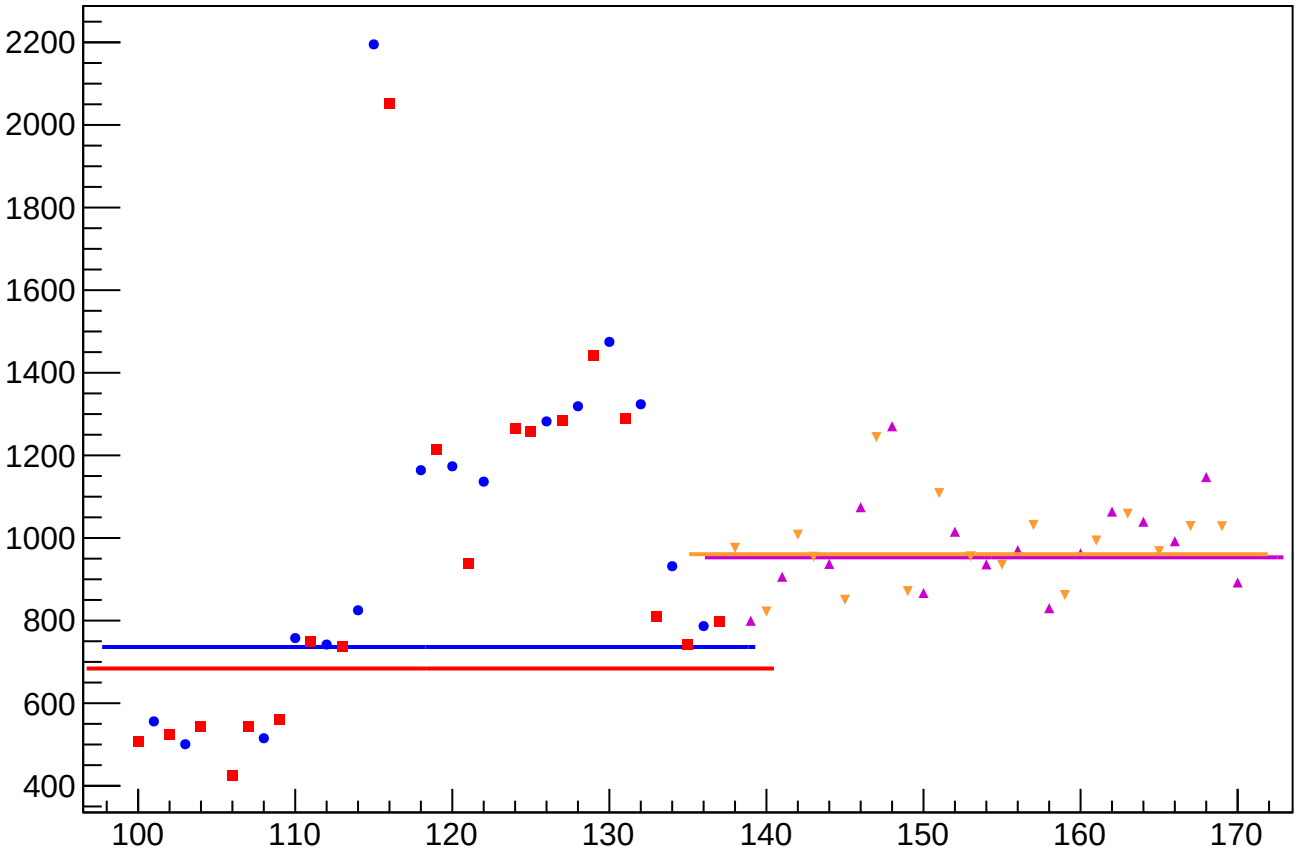
Left: -210.744+/-187.214 χ^2/NDF: 46.9/32

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

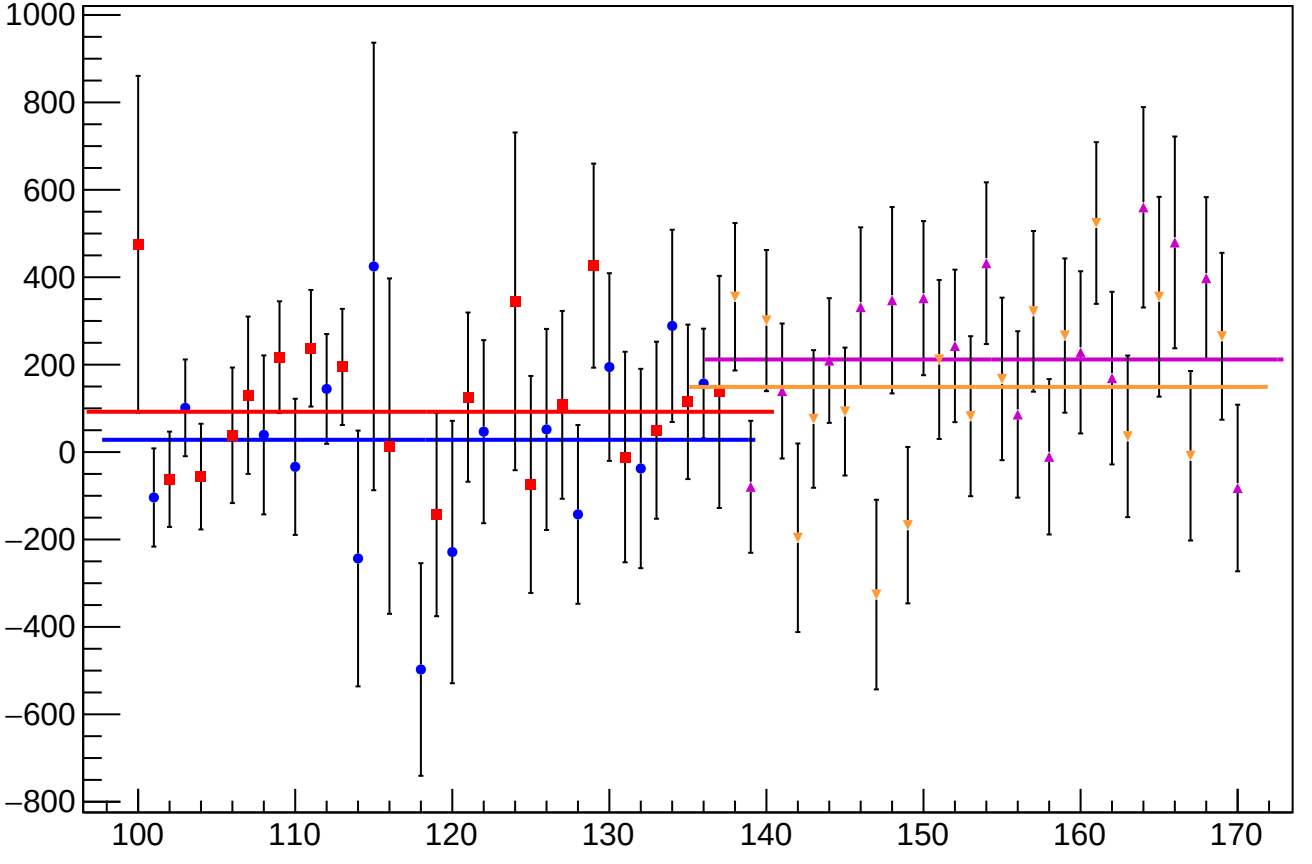
In: 168.149+/-196.676 χ^2/NDF:40.6/31

Out: 21.179+/-188.941 χ^2/NDF:39.7/35

All: 91.717+/-136.254 χ^2/NDF: 80.6/67


asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
Right In: 736.083+/-0.208 χ²/NDF: 1844498.2/15
Left Out: 960.756+/-0.187 χ²/NDF:269463.6/16
Right Out: 683.981+/-0.191 χ²/NDF: 1850402.3/18
Left In: 953.138+/-0.187 χ²/NDF:339201.7/15
Left: 956.953+/-0.132 χ²/NDF: 609493.2/32
Right: 707.861+/-0.140 χ²/NDF: 3729047.2/34
In: 855.654+/-0.139 χ²/NDF:2786376.3/31
Out: 825.174+/-0.134 χ²/NDF:3192355.7/35
All: 839.802+/-0.096 χ²/NDF: 6003712.3/67

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.055+/-43.985 χ^2/NDF:21.1/16

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 211.870+/-45.271 χ^2/NDF:15.8/15

Left: 179.558+/-31.547 χ^2/NDF: 38.0/32

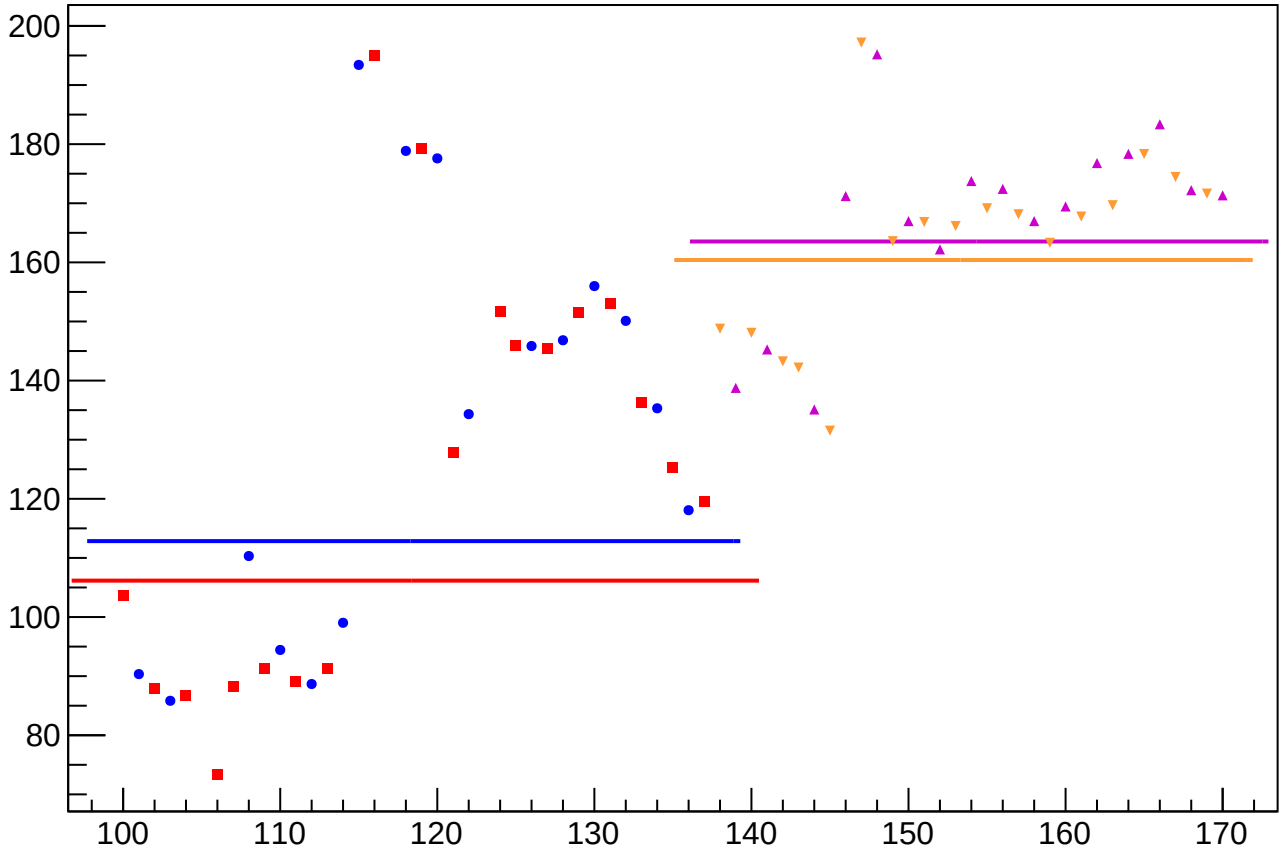
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 116.189+/-31.343 χ^2/NDF:38.0/31

Out: 118.339+/-29.809 χ^2/NDF:33.8/35

All: 117.318+/-21.600 χ^2/NDF: 71.7/67

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 160.401+/-0.031 χ^2/NDF:247403.1/16

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 163.531+/-0.032 χ^2/NDF:261575.7/15

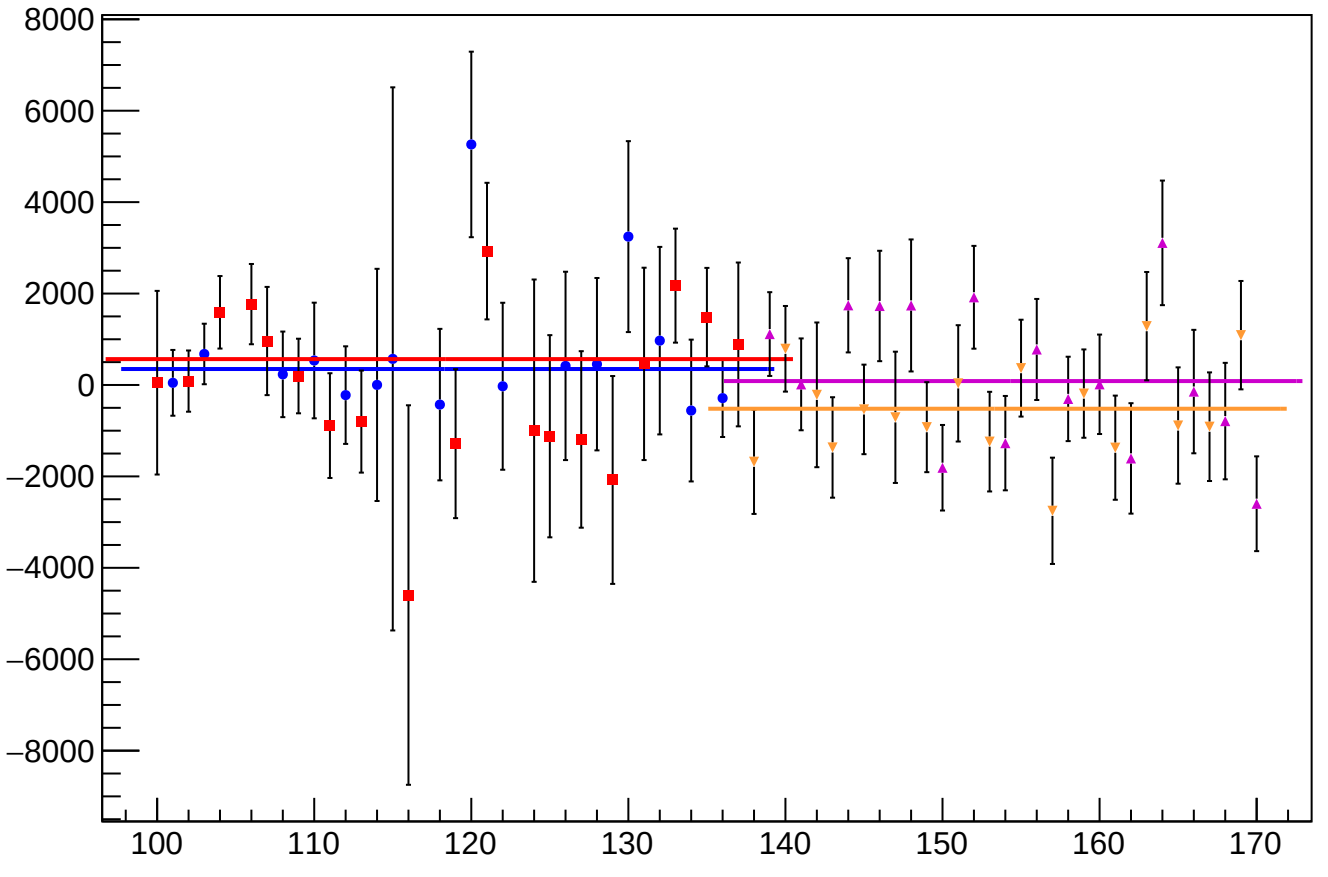
Left: 161.921+/-0.022 χ^2/NDF: 513897.6/32

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 137.141+/-0.022 χ^2/NDF:2439241.7/31

Out: 131.072+/-0.021 χ^2/NDF:2894151.4/35

All: 133.954+/-0.015 χ^2/NDF: 5372761.0/67



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -519.709+/-273.435 χ^2/NDF:13.9/16

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 85.374+/-274.058 χ^2/NDF:30.2/15

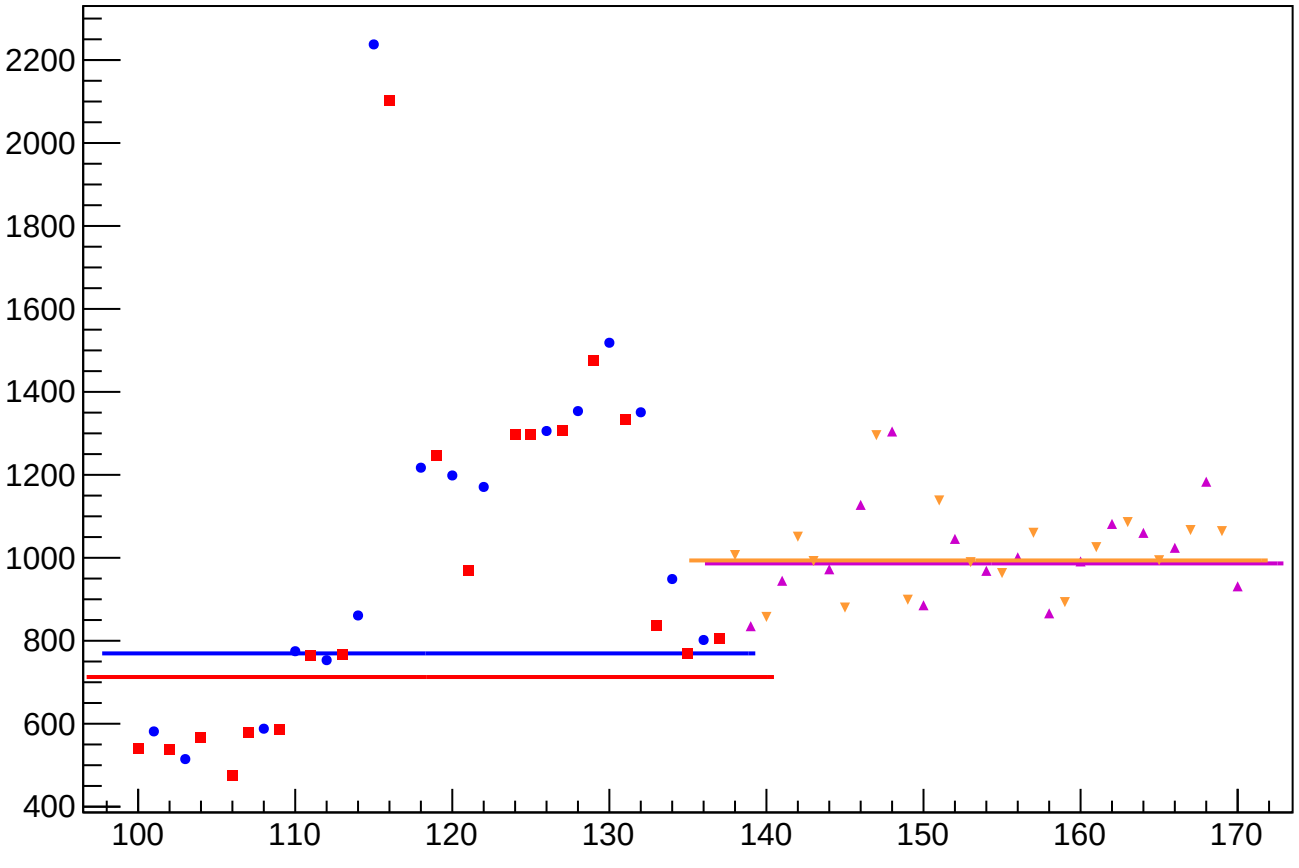
Left: -217.855+/-193.568 χ^2/NDF: 46.5/32

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 203.050+/-203.950 χ^2/NDF:40.4/31

Out: 11.798+/-195.361 χ^2/NDF:39.9/35

All: 103.312+/-141.080 χ^2/NDF: 80.7/67



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 993.647+/-0.193 χ^2/NDF:263172.9/16

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 986.486+/-0.194 χ^2/NDF:319741.9/15

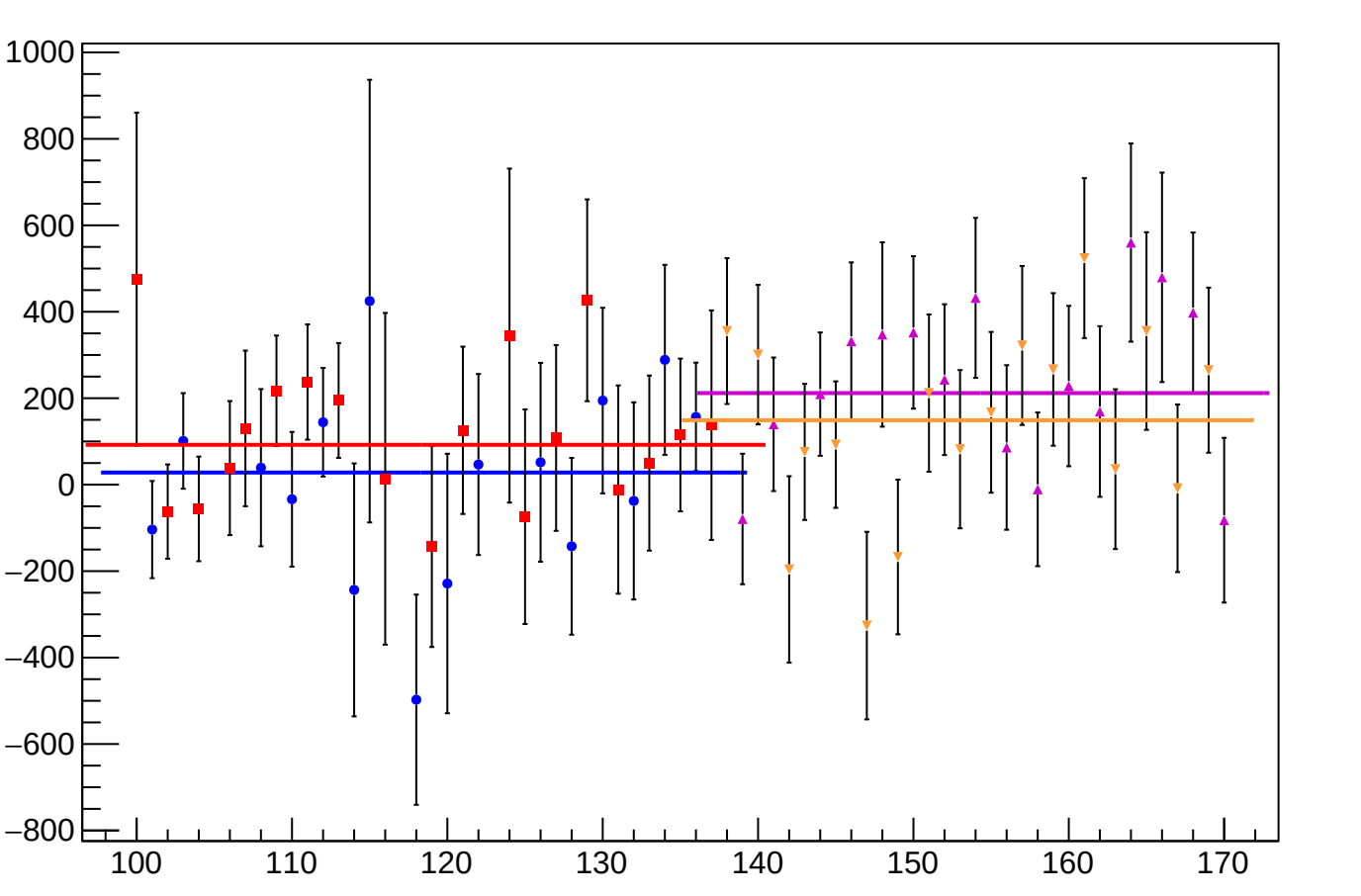
Left: 990.075+/-0.137 χ^2/NDF: 583599.0/32

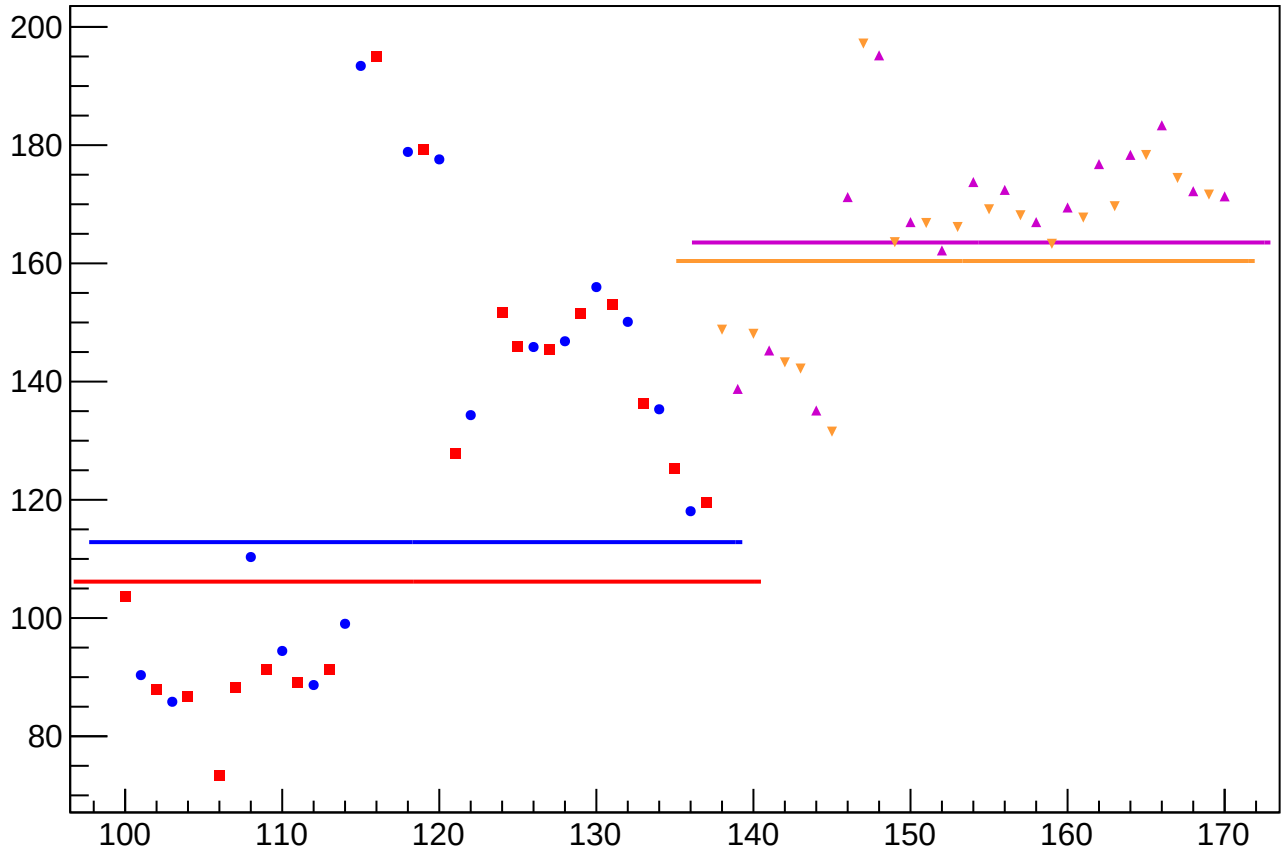
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 889.696+/-0.144 χ^2/NDF:2618786.9/31

Out: 856.078+/-0.138 χ^2/NDF:3064529.2/35

All: 872.164+/-0.100 χ^2/NDF: 5711654.5/67


eigen_dit_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 28.093+/-43.439 χ²/NDF: 13.6/15
Left Out: 149.056+/-43.985 χ²/NDF:21.1/16
Right Out: 92.247+/-40.539 χ²/NDF: 11.7/18
Left In: 211.871+/-45.271 χ²/NDF:15.8/15
Left: 179.559+/-31.547 χ²/NDF: 38.0/32
Right: 62.383+/-29.637 χ²/NDF: 26.4/34
In: 116.188+/-31.343 χ²/NDF:38.0/31
Out: 118.339+/-29.809 χ²/NDF:33.8/35
All: 117.318+/-21.600 χ²/NDF: 71.7/67



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 160.401+/-0.031 χ^2/NDF:247403.5/16

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 163.531+/-0.032 χ^2/NDF:261569.8/15

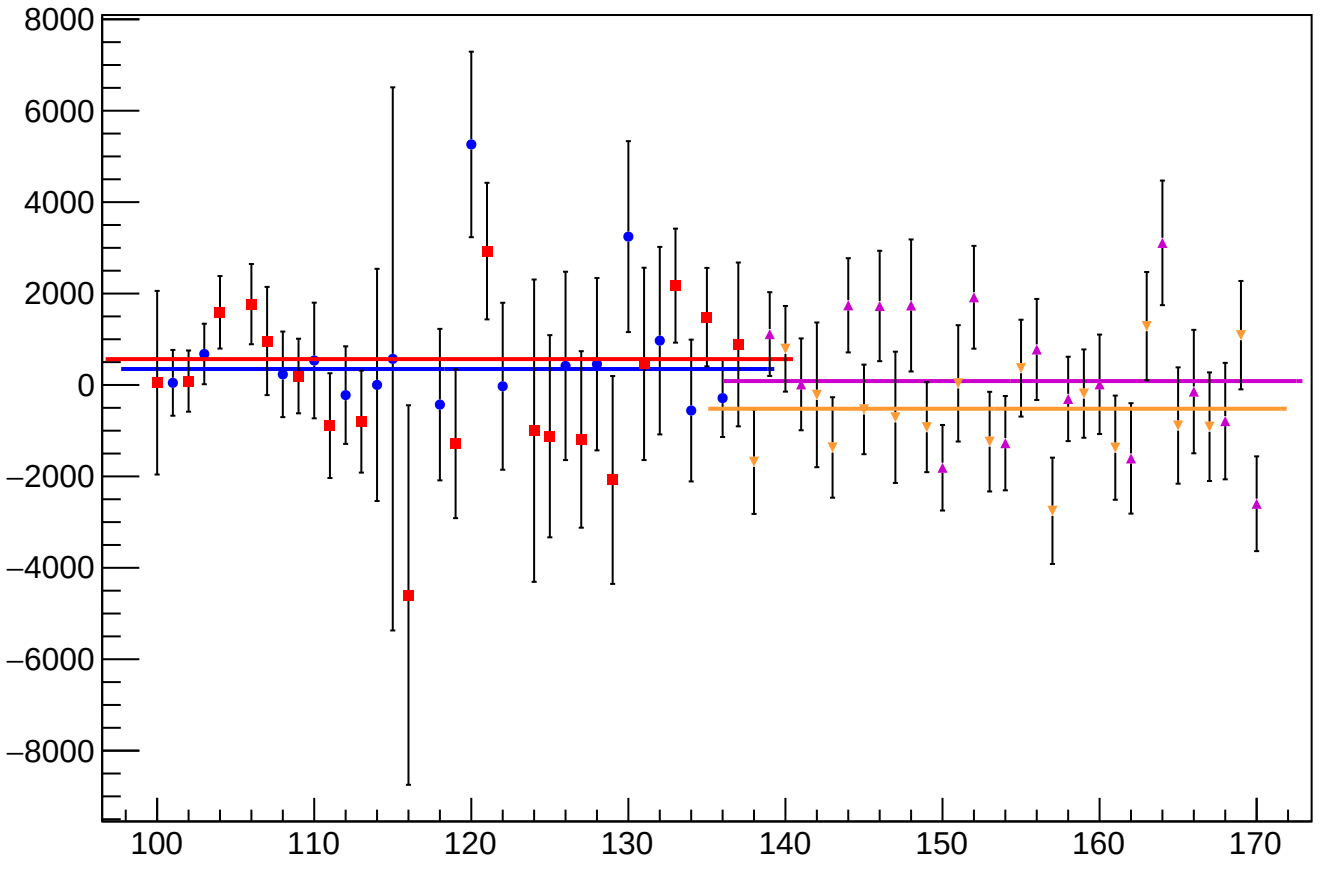
Left: 161.921+/-0.022 χ^2/NDF: 513892.4/32

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 137.141+/-0.022 χ^2/NDF:2439260.1/31

Out: 131.072+/-0.021 χ^2/NDF:2894165.6/35

All: 133.954+/-0.015 χ^2/NDF: 5372793.4/67



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -519.709+/-273.436 χ^2/NDF:13.9/16

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 85.374+/-274.058 χ^2/NDF:30.2/15

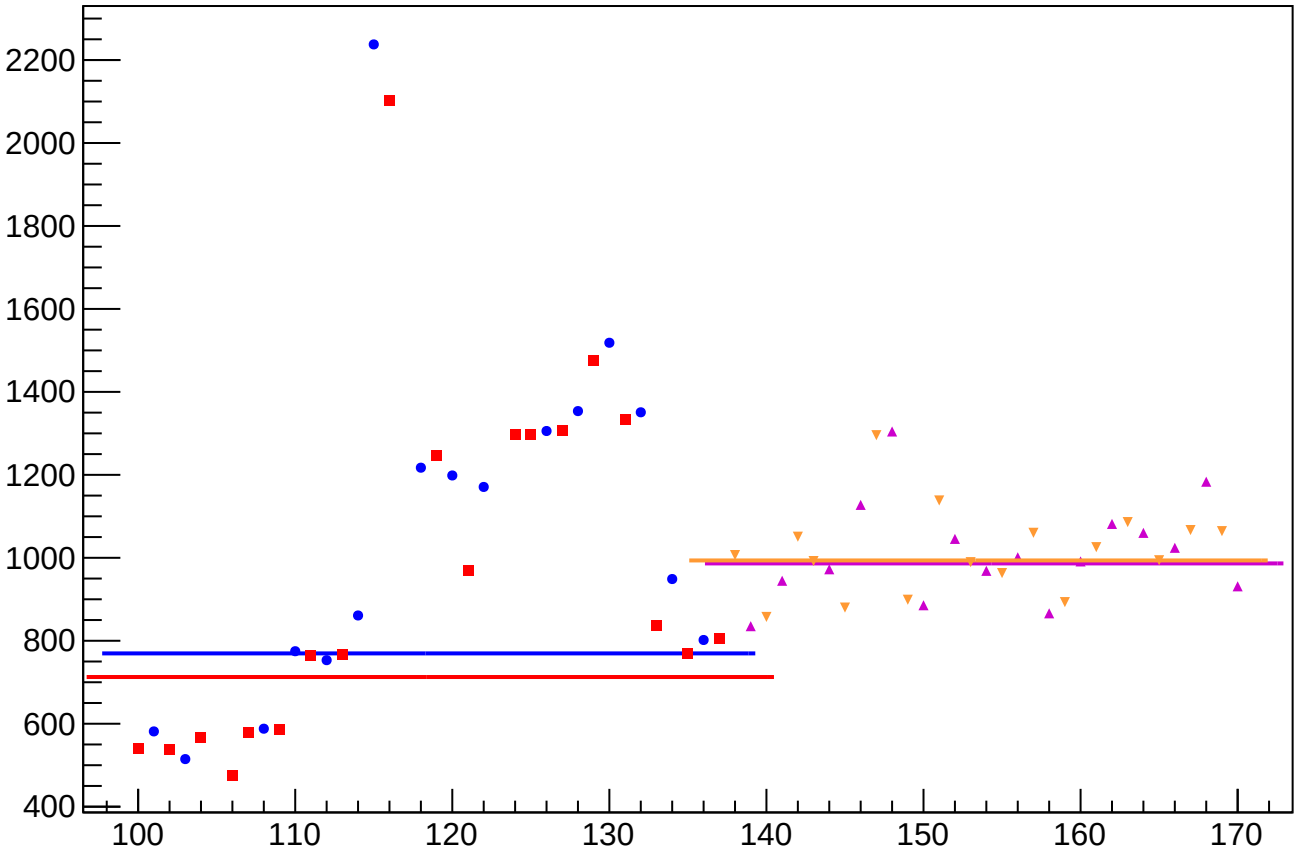
Left: -217.855+/-193.568 χ^2/NDF: 46.5/32

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 203.050+/-203.950 χ^2/NDF:40.4/31

Out: 11.800+/-195.361 χ^2/NDF:39.9/35

All: 103.313+/-141.080 χ^2/NDF: 80.7/67



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 993.648+/-0.193 χ^2/NDF:263172.9/16

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 986.487+/-0.194 χ^2/NDF:319740.8/15

Left: 990.076+/-0.137 χ^2/NDF: 583598.0/32

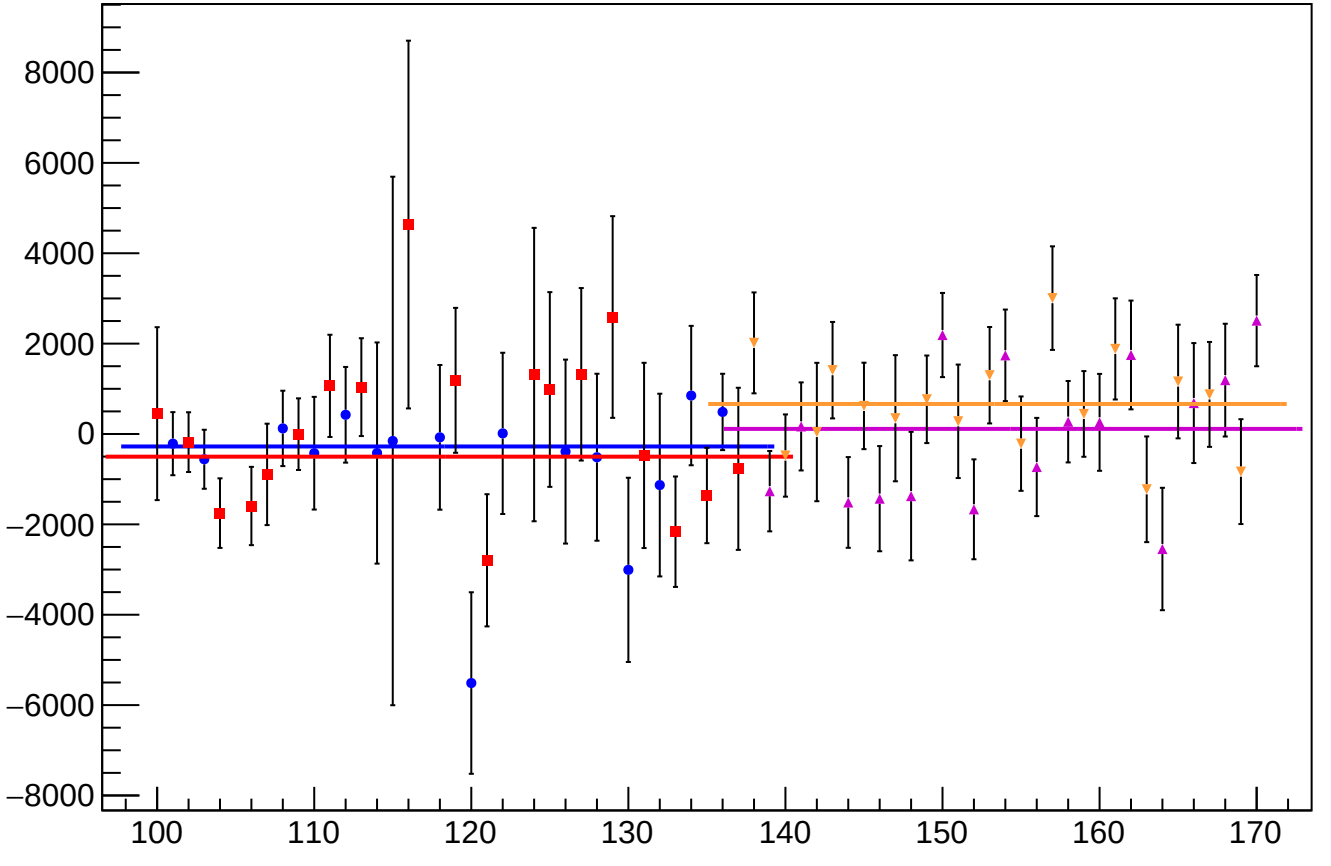
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 889.696+/-0.144 χ^2/NDF:2618795.8/31

Out: 856.078+/-0.138 χ^2/NDF:3064542.0/35

All: 872.164+/-0.100 χ^2/NDF: 5711676.2/67

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 664.257+/-267.909 χ^2/NDF:14.8/16

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 112.896+/-268.607 χ^2/NDF:30.9/15

Left: 389.294+/-189.687 χ^2/NDF: 47.9/32

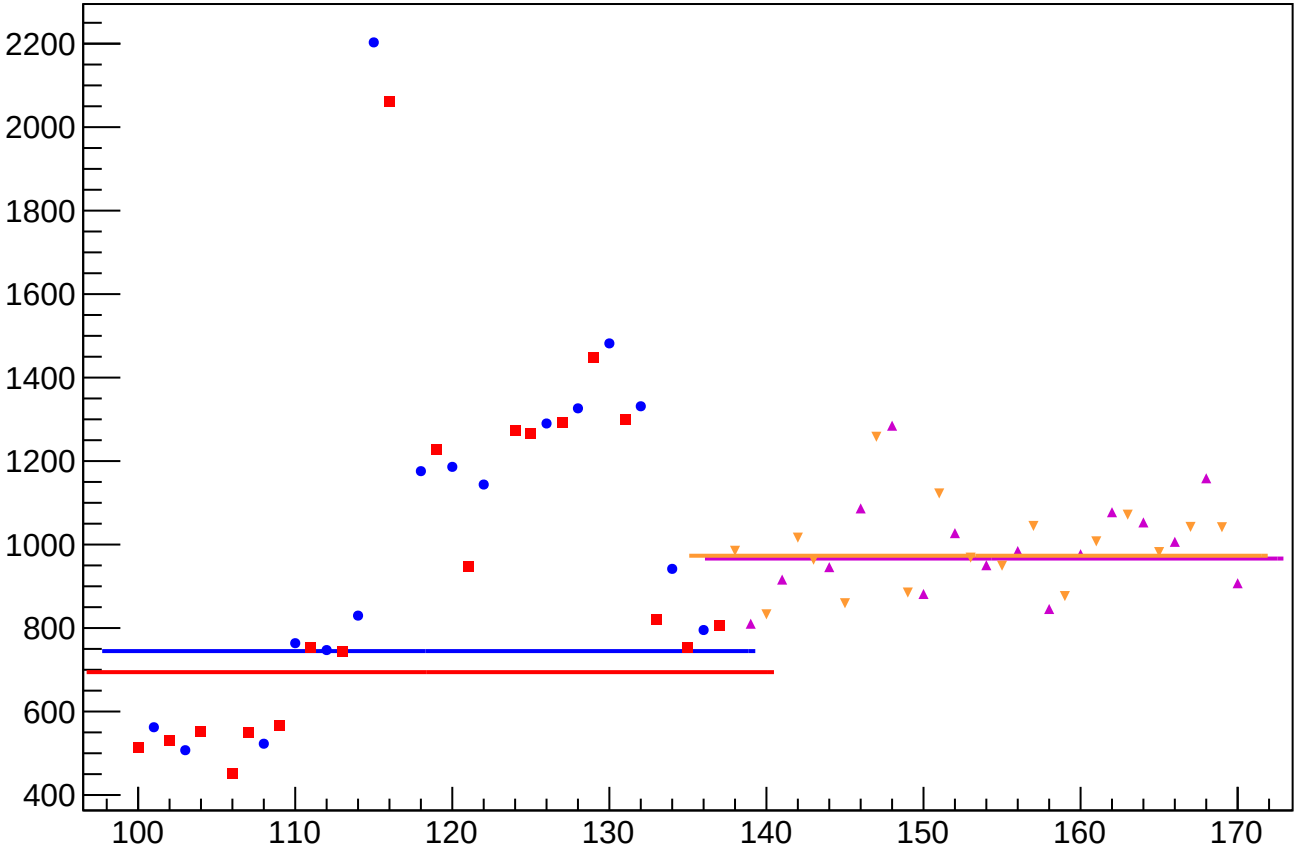
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -62.358+/-199.130 χ^2/NDF:43.0/31

Out: 92.091+/-191.212 χ^2/NDF:44.6/35

All: 17.998+/-137.921 χ^2/NDF: 87.8/67

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 973.246+/-0.189 χ^2/NDF:265830.8/16

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 966.462+/-0.190 χ^2/NDF:330513.4/15

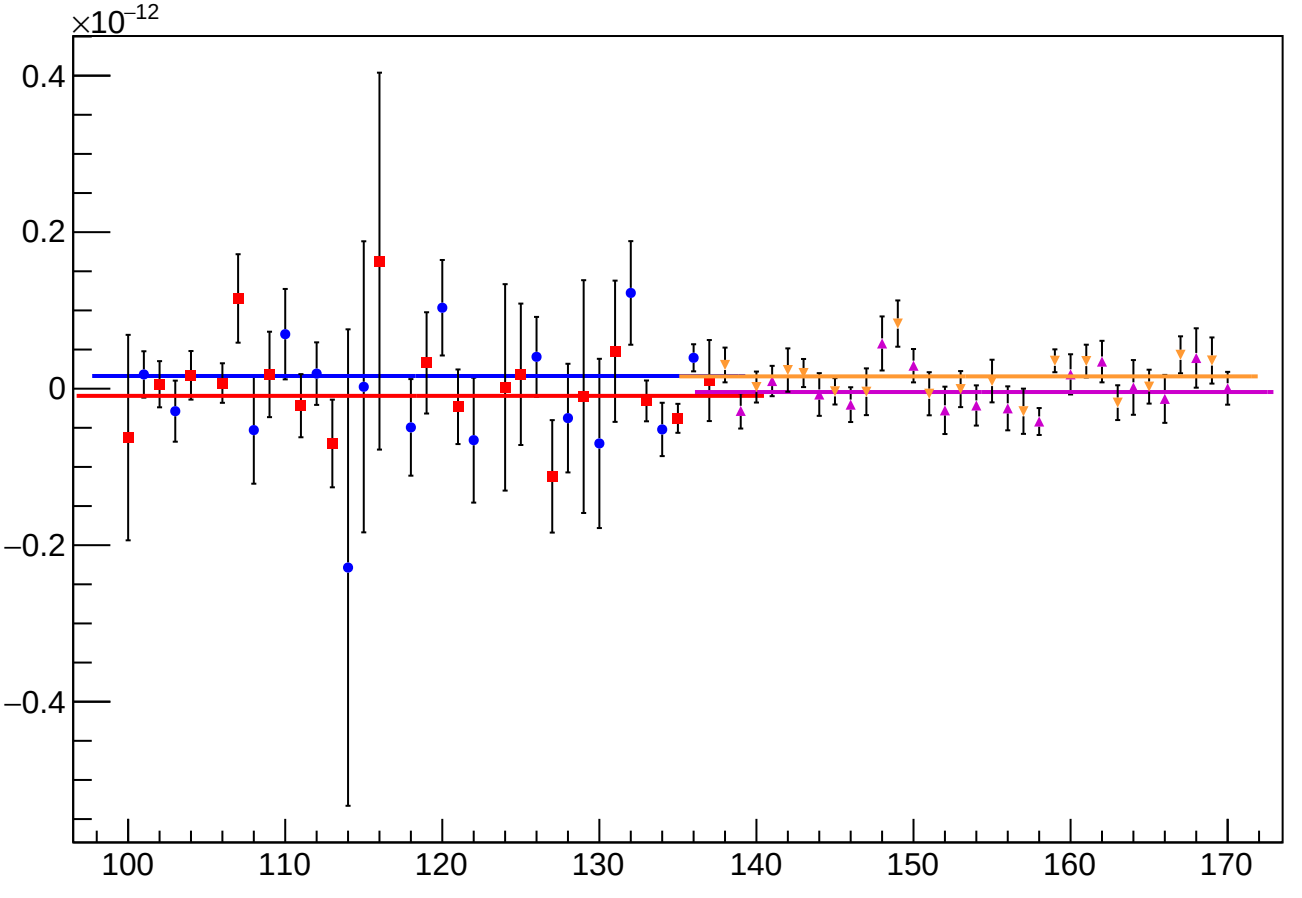
Left: 969.863+/-0.134 χ^2/NDF: 596983.8/32

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 866.615+/-0.141 χ^2/NDF:2766626.9/31

Out: 836.417+/-0.135 χ^2/NDF:3132930.0/35

All: 850.904+/-0.098 χ^2/NDF: 5923486.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/15

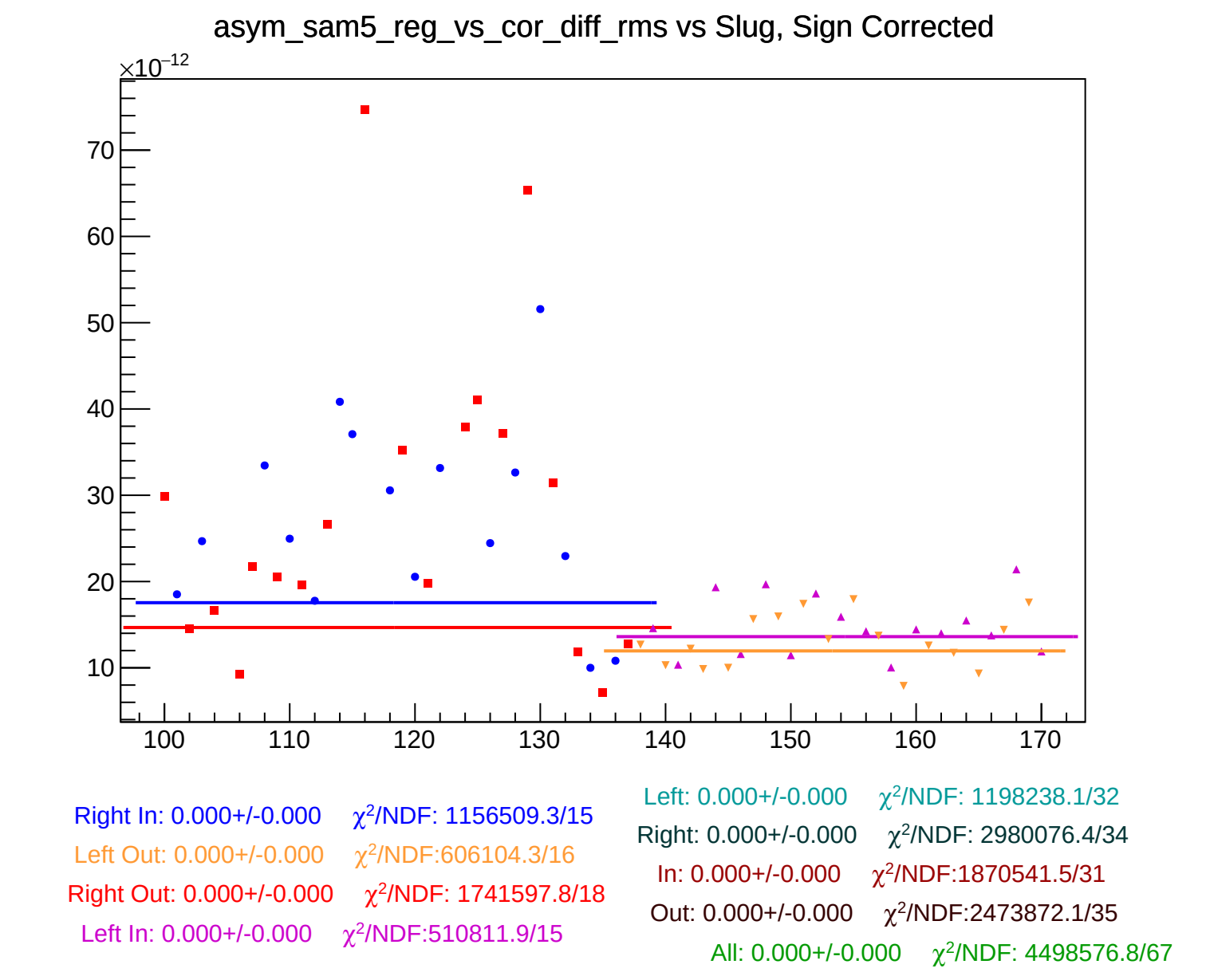
Left: 0.000+/-0.000 χ^2/NDF: 43.4/32

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.4/31

Out: 0.000+/-0.000 χ^2/NDF:38.2/35

All: 0.000+/-0.000 χ^2/NDF: 79.1/67


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
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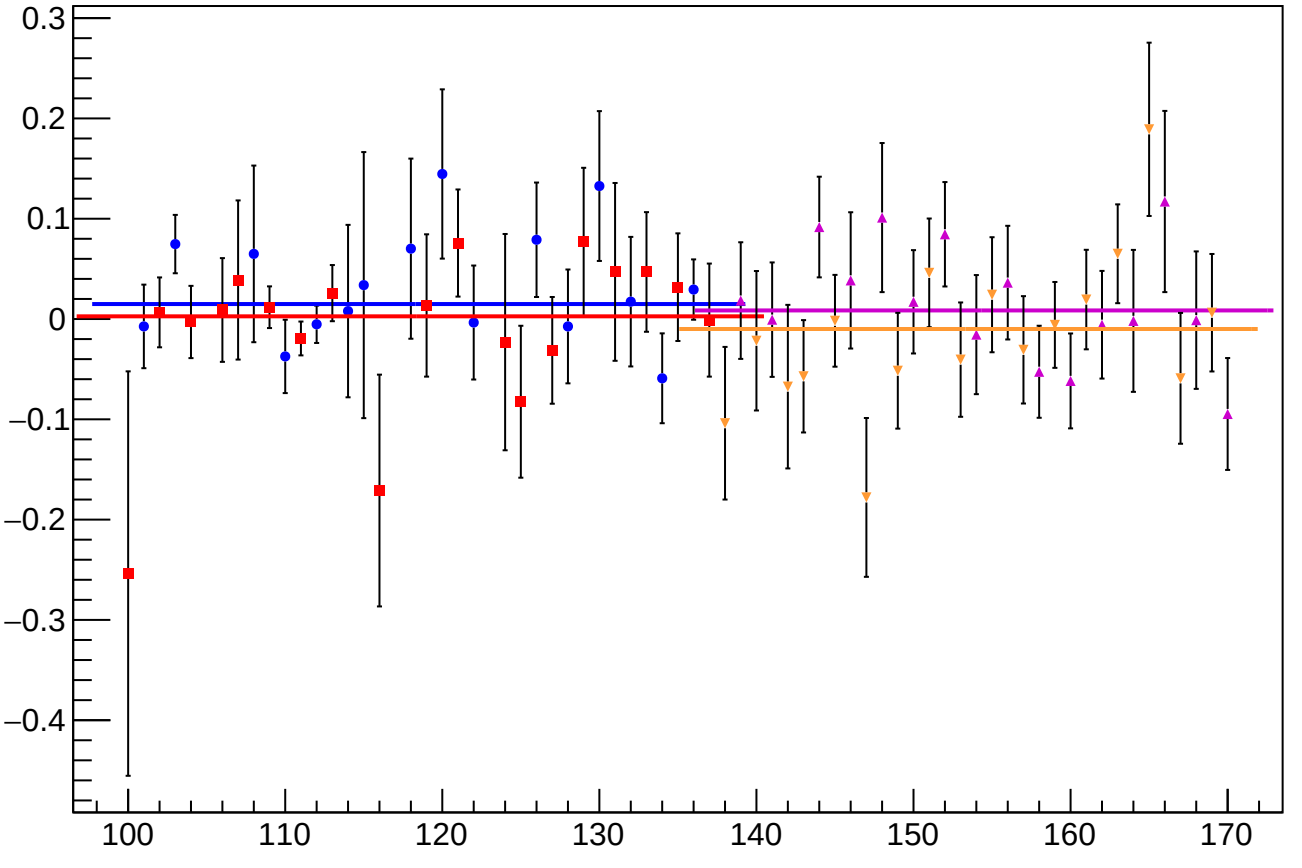
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:606104.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:510811.9/15
Left: 0.000+/-0.000 χ²/NDF: 1198238.1/32
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1870541.5/31
Out: 0.000+/-0.000 χ²/NDF:2473872.1/35
All: 0.000+/-0.000 χ²/NDF: 4498576.8/67



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.010+/-0.014 χ^2/NDF:18.3/16

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/15

Left: -0.001+/-0.010 χ^2/NDF: 35.2/32

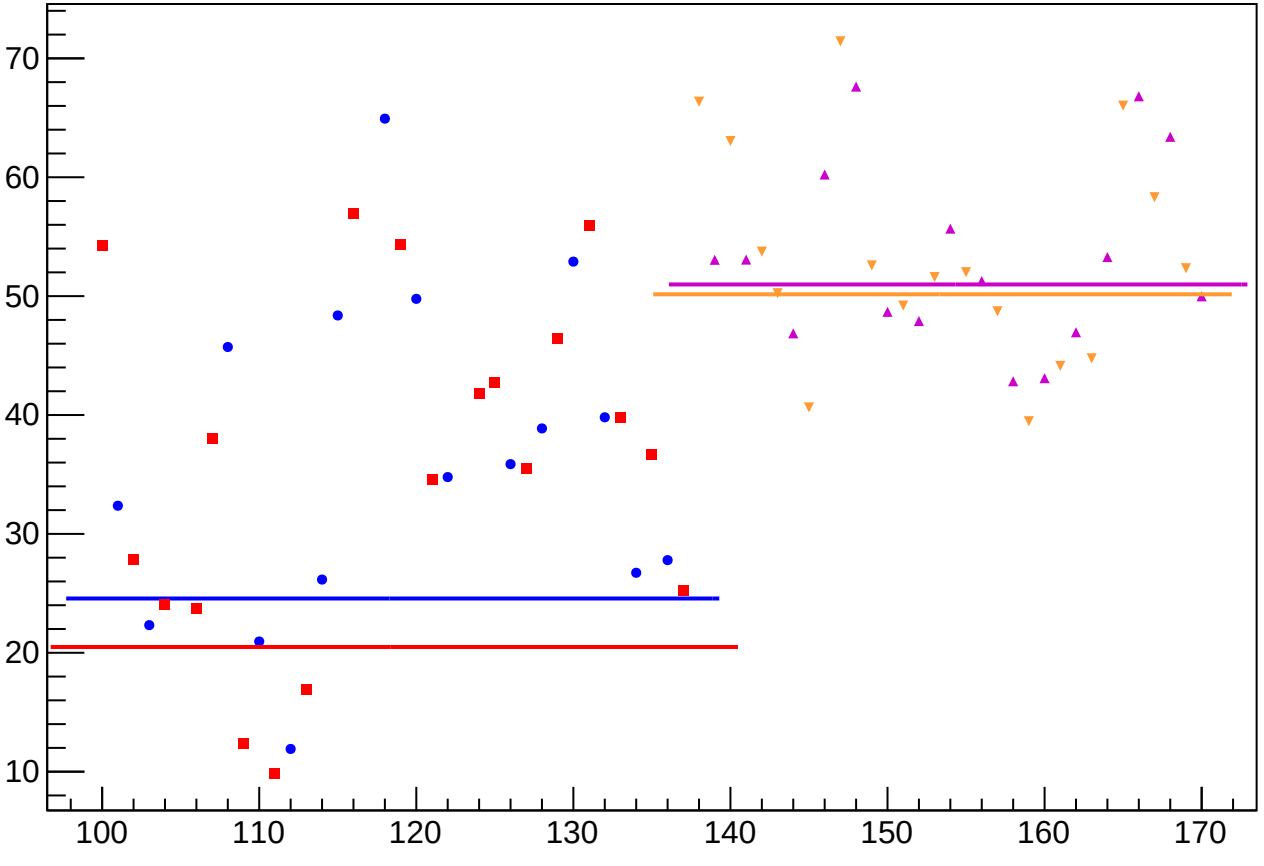
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.009 χ^2/NDF:34.0/31

Out: -0.001+/-0.008 χ^2/NDF:31.3/35

All: 0.005+/-0.006 χ^2/NDF: 66.7/67

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.153+/-0.010 χ^2/NDF:682695.6/16

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.983+/-0.010 χ^2/NDF:439165.3/15

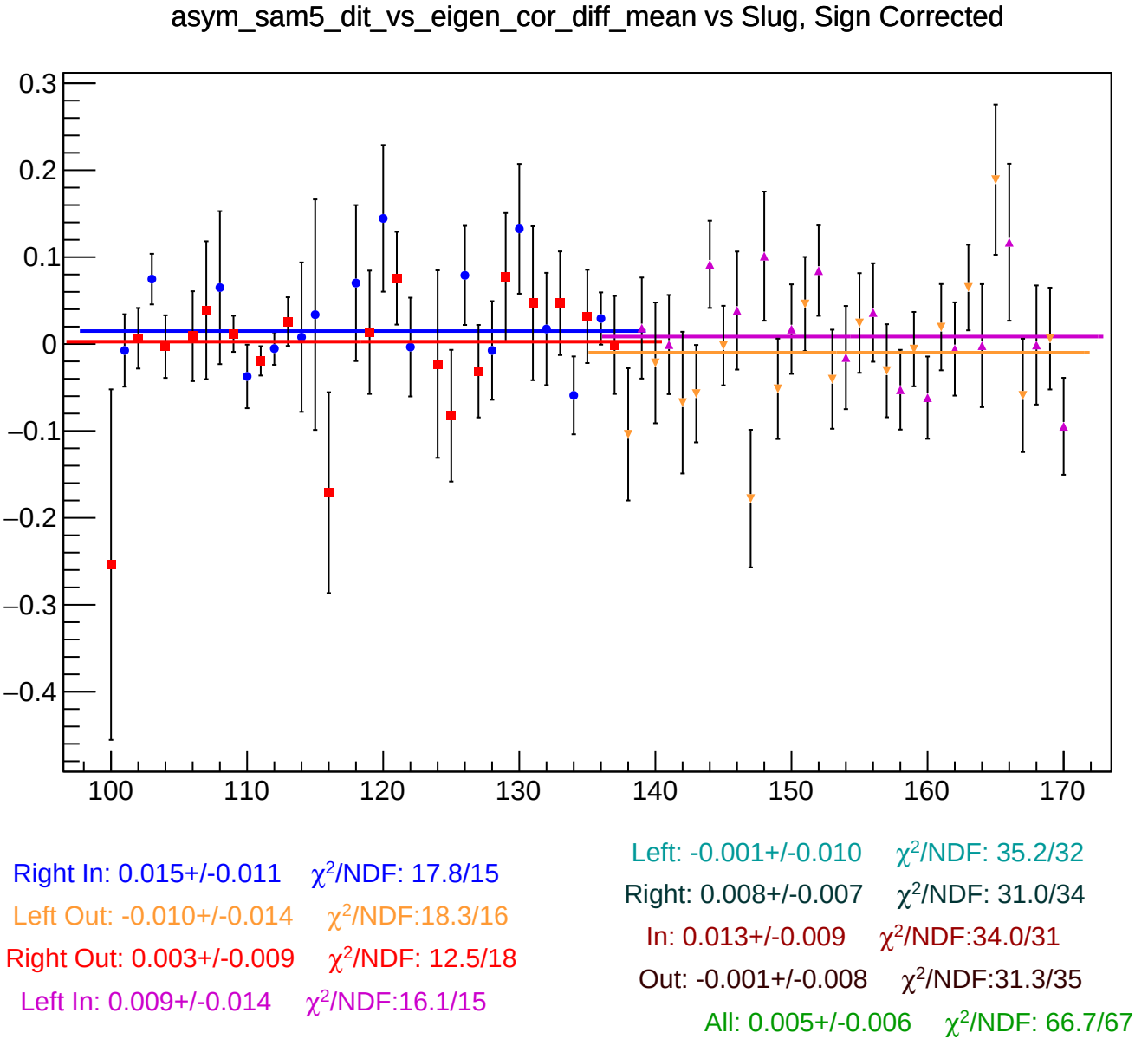
Left: 50.558+/-0.007 χ^2/NDF: 1125291.8/32

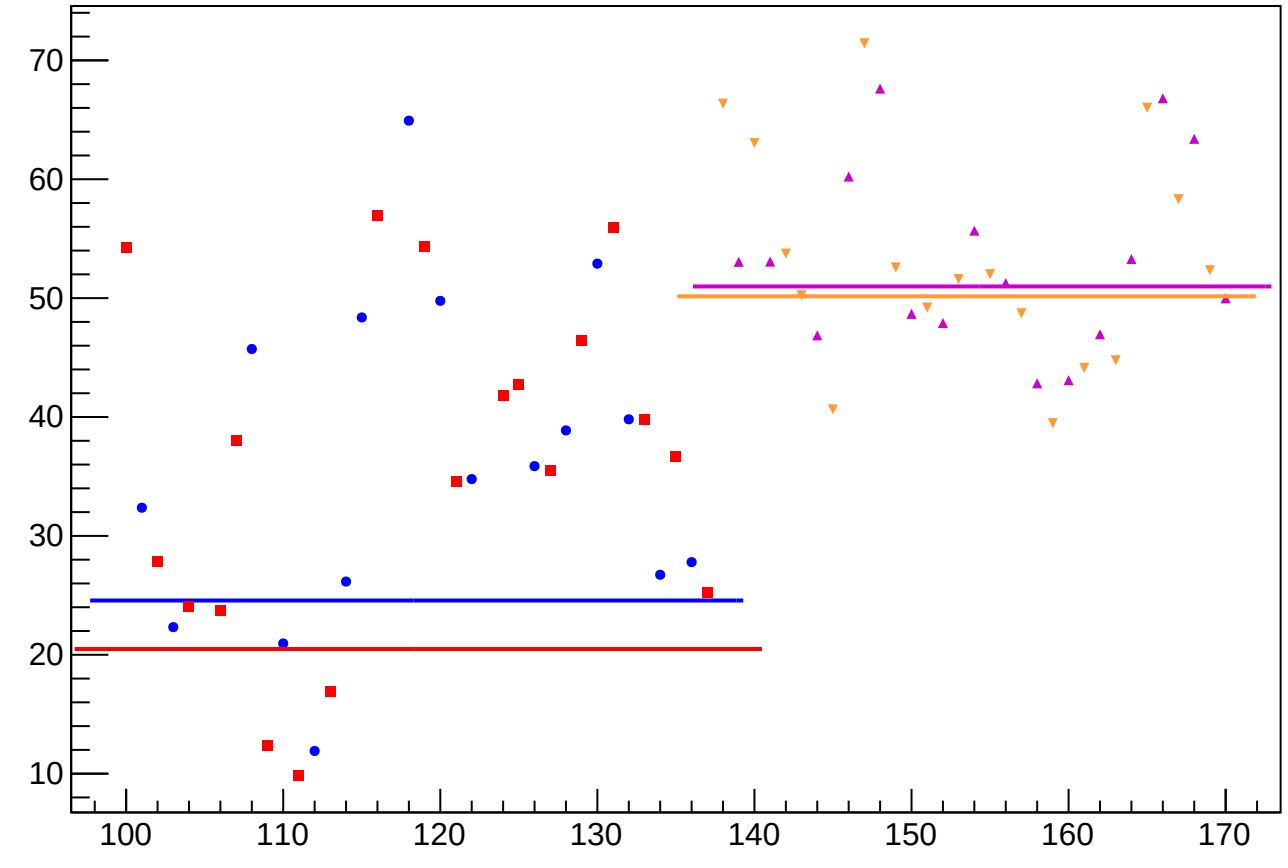
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.887+/-0.006 χ^2/NDF:7317148.1/31

Out: 29.483+/-0.005 χ^2/NDF:10536192.5/35

All: 31.464+/-0.004 χ^2/NDF: 18147603.3/67


asym_sam5_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
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.010+/-0.014 χ²/NDF:18.3/16
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.009+/-0.014 χ²/NDF:16.1/15
Left: -0.001+/-0.010 χ²/NDF: 35.2/32
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.009 χ²/NDF:34.0/31
Out: -0.001+/-0.008 χ²/NDF:31.3/35
All: 0.005+/-0.006 χ²/NDF: 66.7/67



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.153+/-0.010 χ^2/NDF:682695.6/16

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.983+/-0.010 χ^2/NDF:439165.3/15

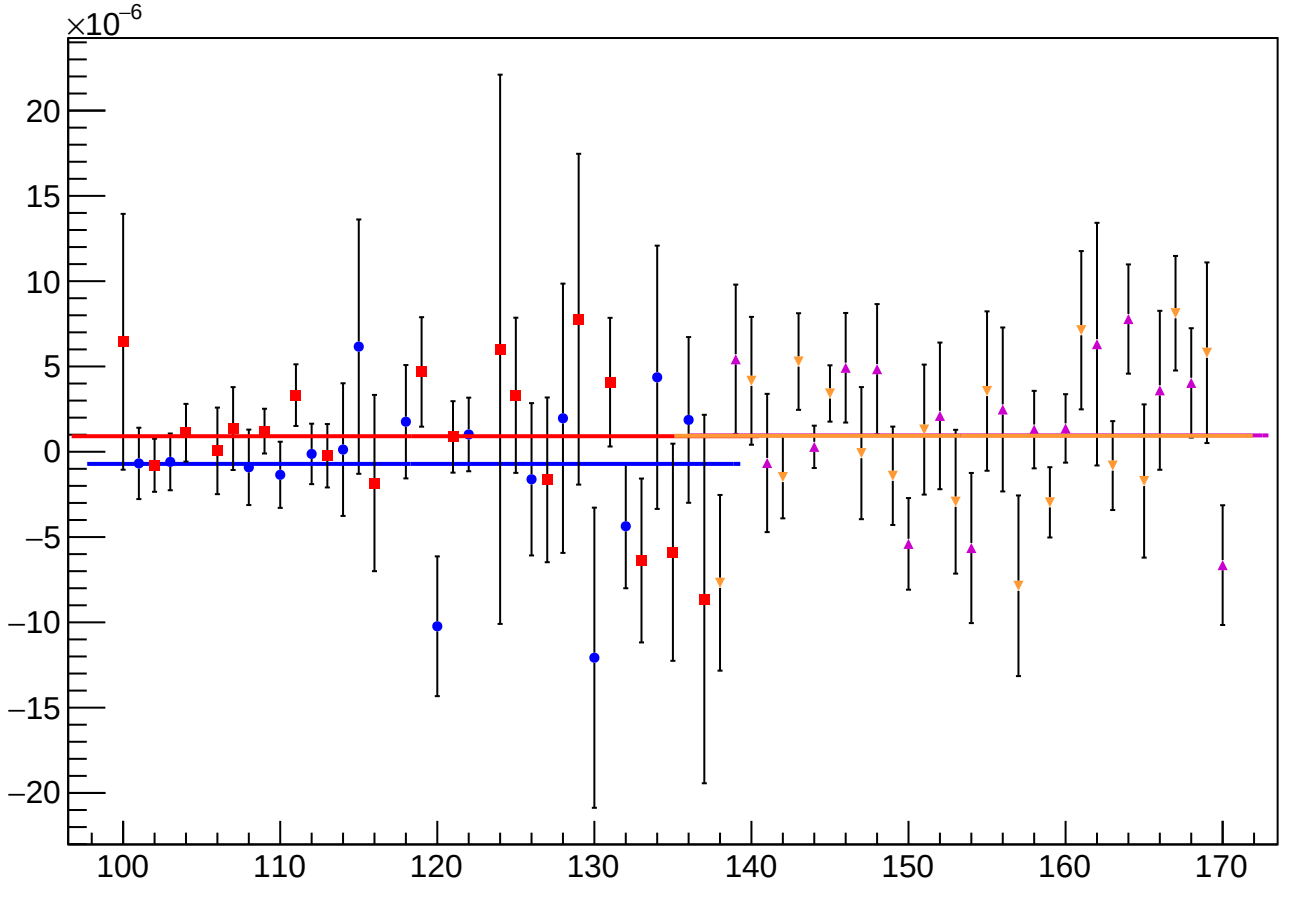
Left: 50.558+/-0.007 χ^2/NDF: 1125291.8/32

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.887+/-0.006 χ^2/NDF:7317148.1/31

Out: 29.483+/-0.005 χ^2/NDF:10536192.5/35

All: 31.464+/-0.004 χ^2/NDF: 18147603.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.2/15

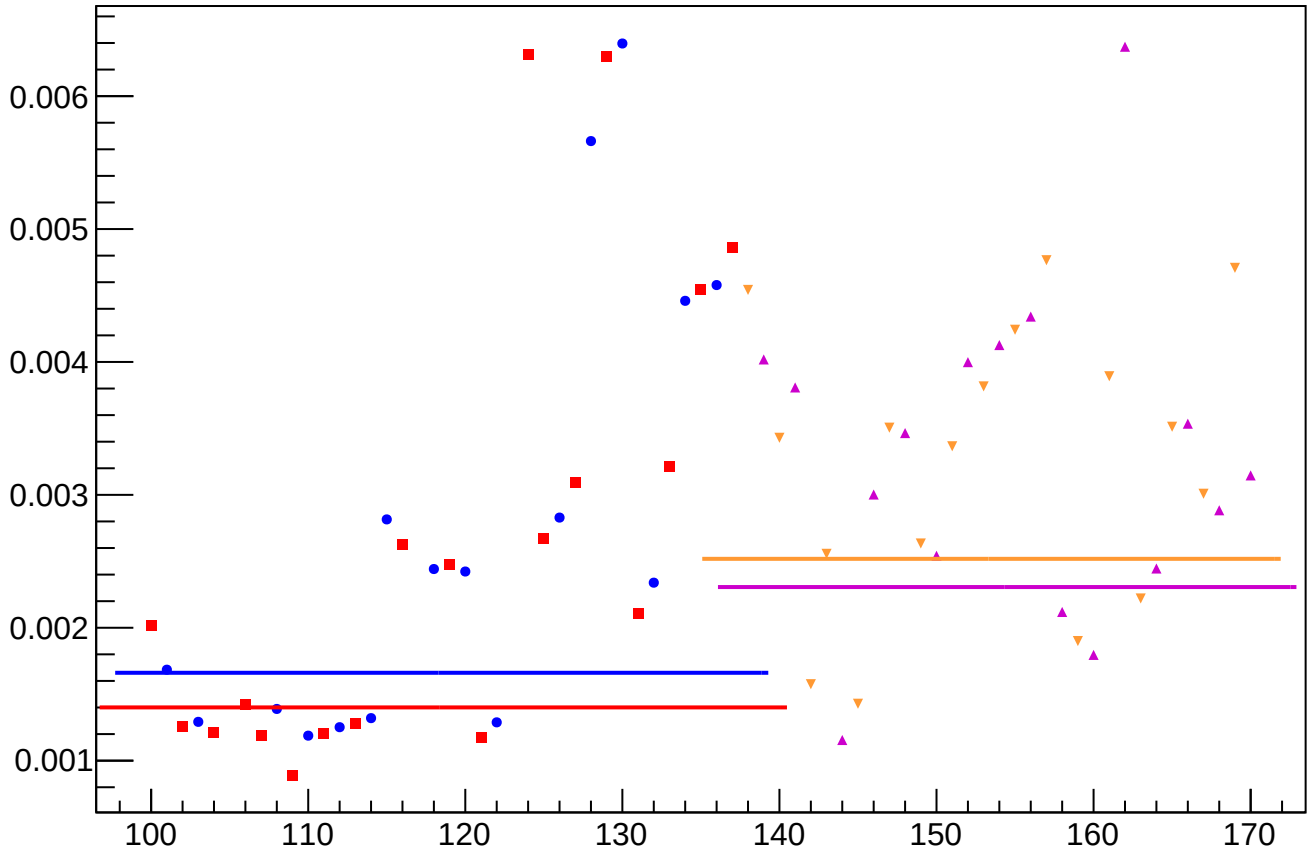
Left: 0.000+/-0.000 χ^2/NDF: 48.6/32

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:37.3/31

Out: 0.000+/-0.000 χ^2/NDF:37.3/35

All: 0.000+/-0.000 χ^2/NDF: 75.9/67



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3521589.0/16

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4722834.1/15

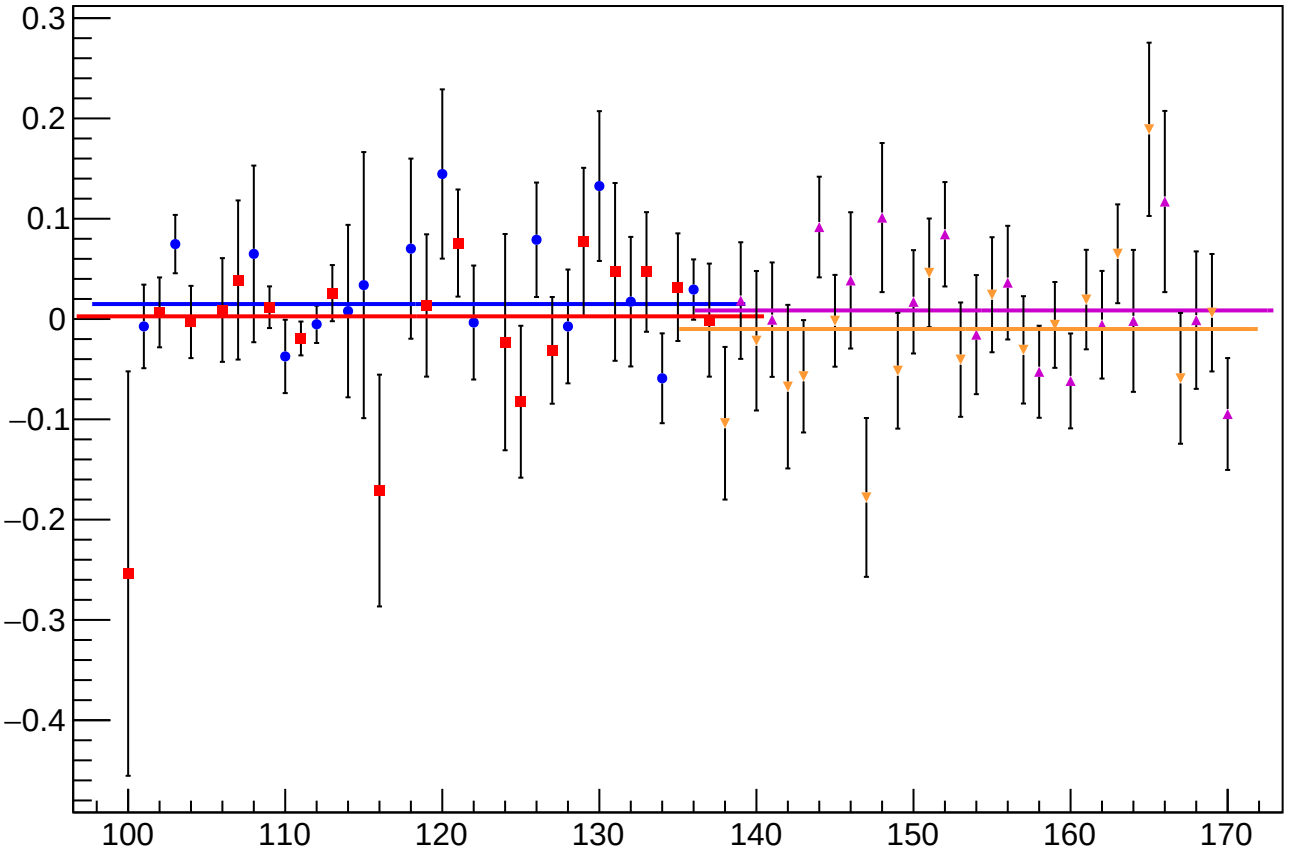
Left: 0.002+/-0.000 χ^2/NDF: 8329010.3/32

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8505830.0/31

Out: 0.002+/-0.000 χ^2/NDF:9181980.9/35

All: 0.002+/-0.000 χ^2/NDF: 17793169.4/67



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.010+/-0.014 χ^2/NDF:18.3/16

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/15

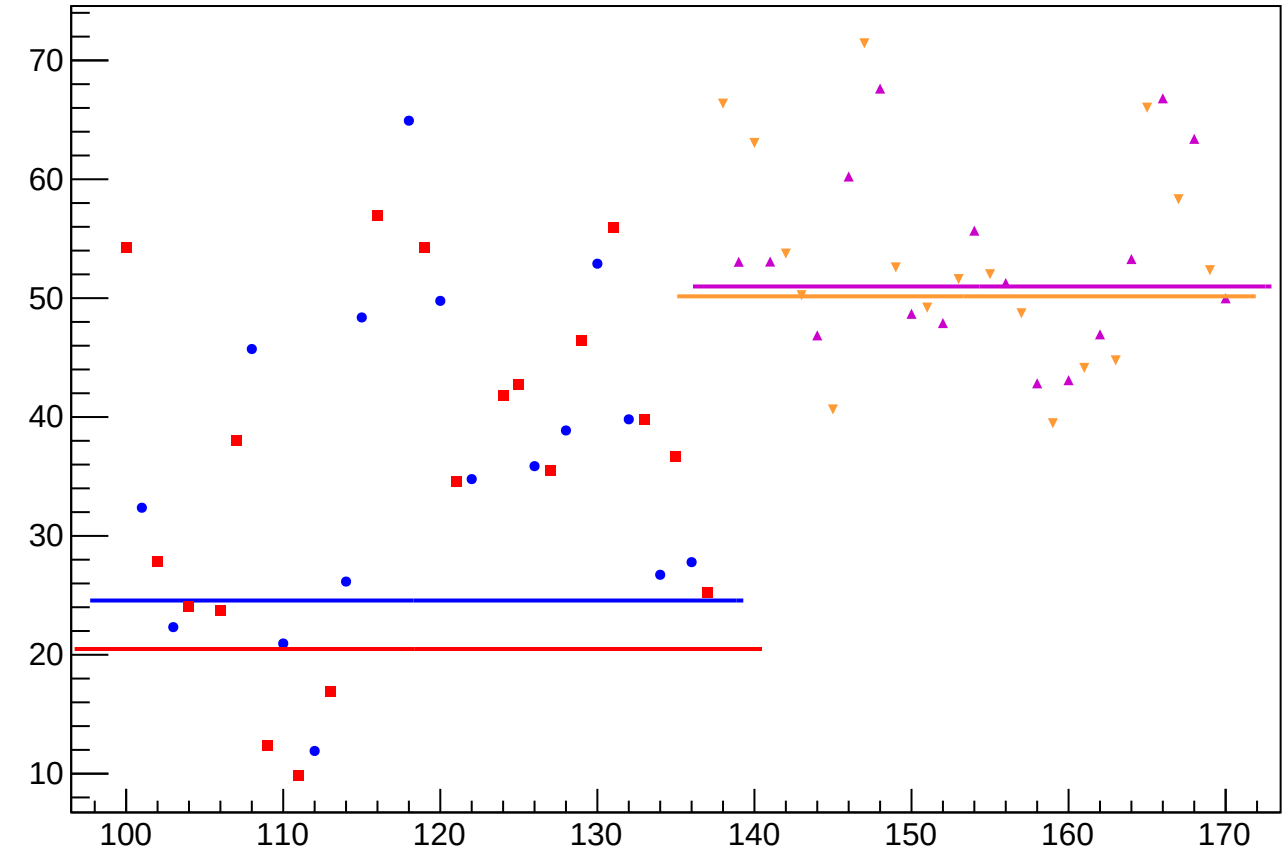
Left: -0.001+/-0.010 χ^2/NDF: 35.2/32

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.009 χ^2/NDF:34.0/31

Out: -0.001+/-0.008 χ^2/NDF:31.3/35

All: 0.005+/-0.006 χ^2/NDF: 66.7/67



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.153+/-0.010 χ^2/NDF:682826.8/16

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.983+/-0.010 χ^2/NDF:439259.1/15

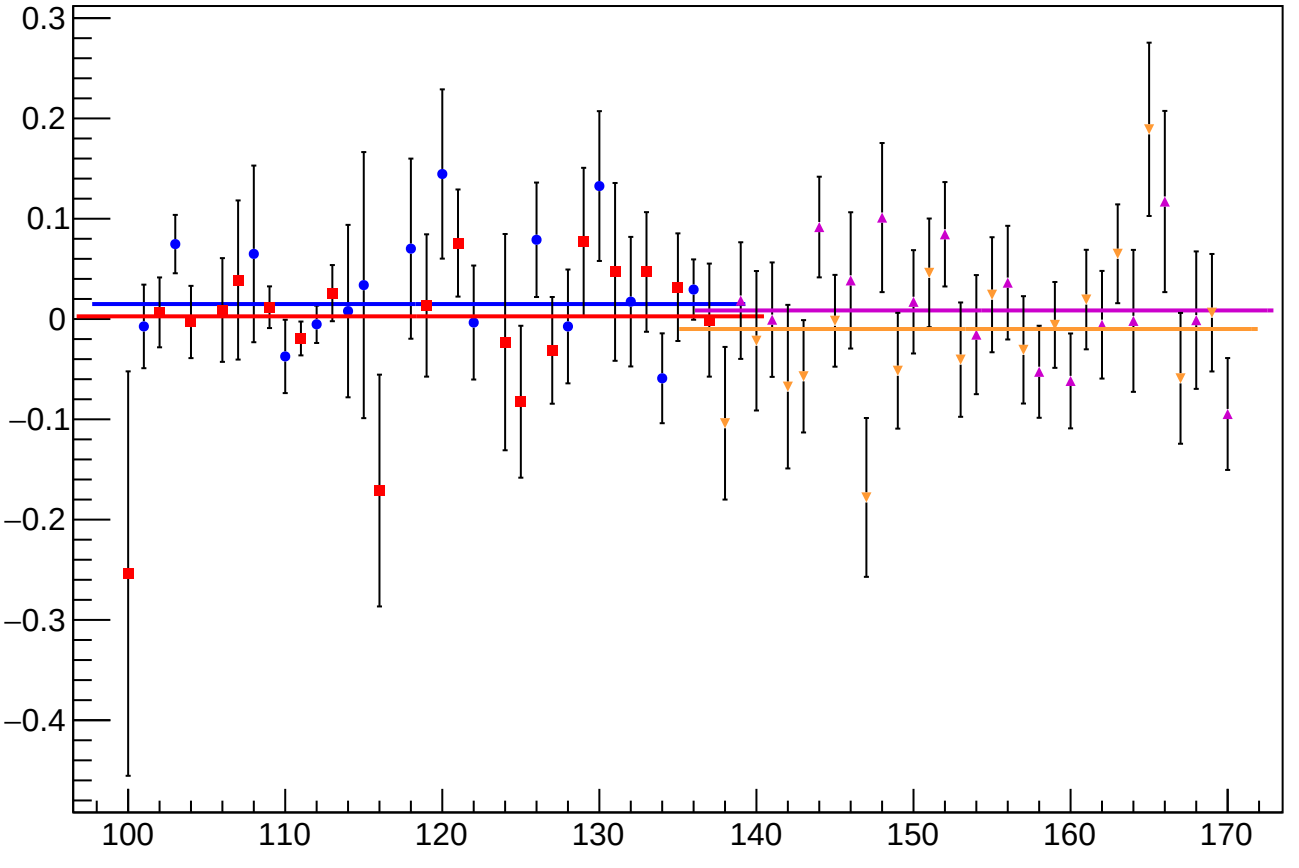
Left: 50.558+/-0.007 χ^2/NDF: 1125516.7/32

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.886+/-0.006 χ^2/NDF:7317378.2/31

Out: 29.482+/-0.005 χ^2/NDF:10536576.9/35

All: 31.463+/-0.004 χ^2/NDF: 18148234.9/67



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.010+/-0.014 χ^2/NDF:18.3/16

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/15

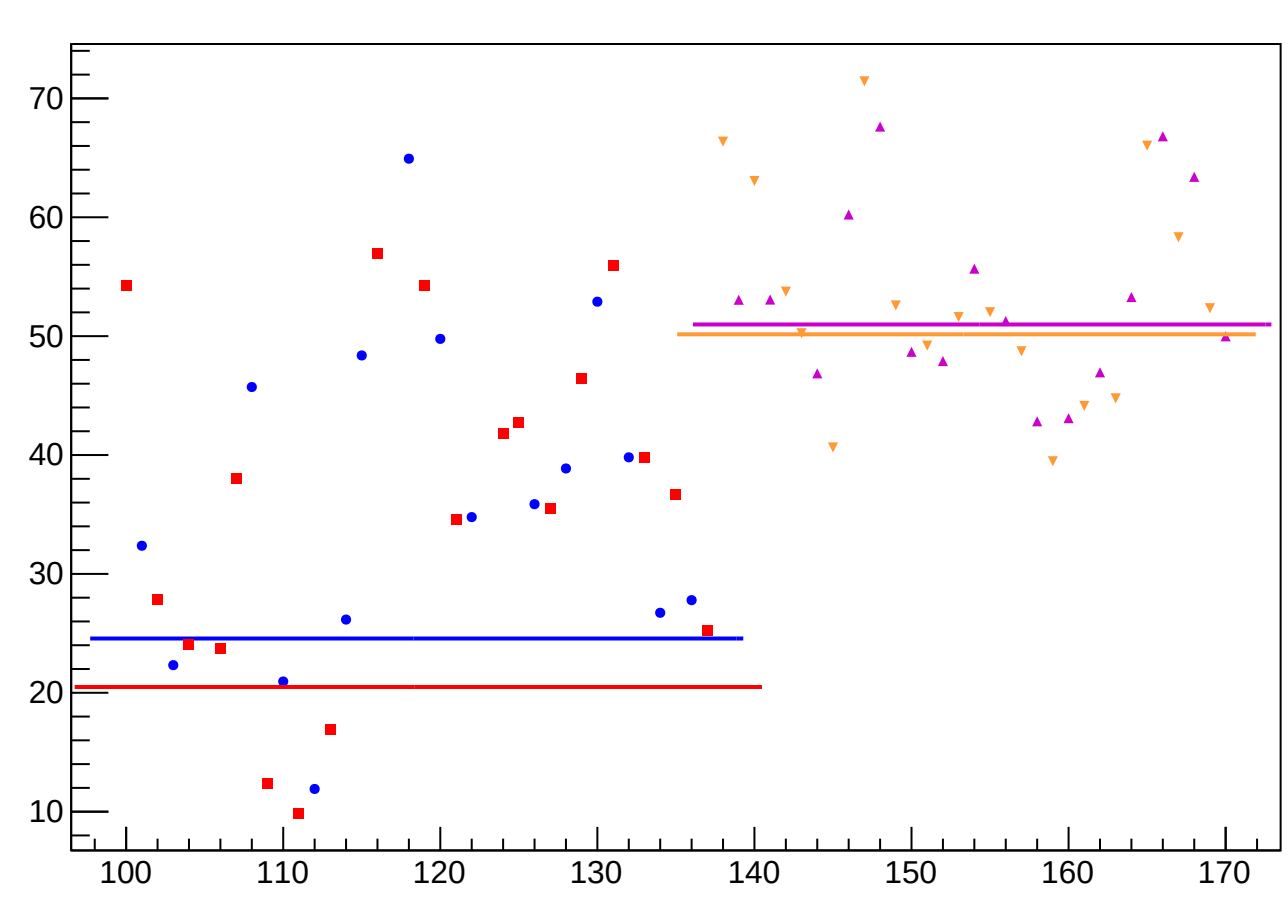
Left: -0.001+/-0.010 χ^2/NDF: 35.2/32

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.009 χ^2/NDF:34.0/31

Out: -0.001+/-0.008 χ^2/NDF:31.3/35

All: 0.005+/-0.006 χ^2/NDF: 66.7/67



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.153+/-0.010 χ^2/NDF:682826.8/16

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.983+/-0.010 χ^2/NDF:439259.1/15

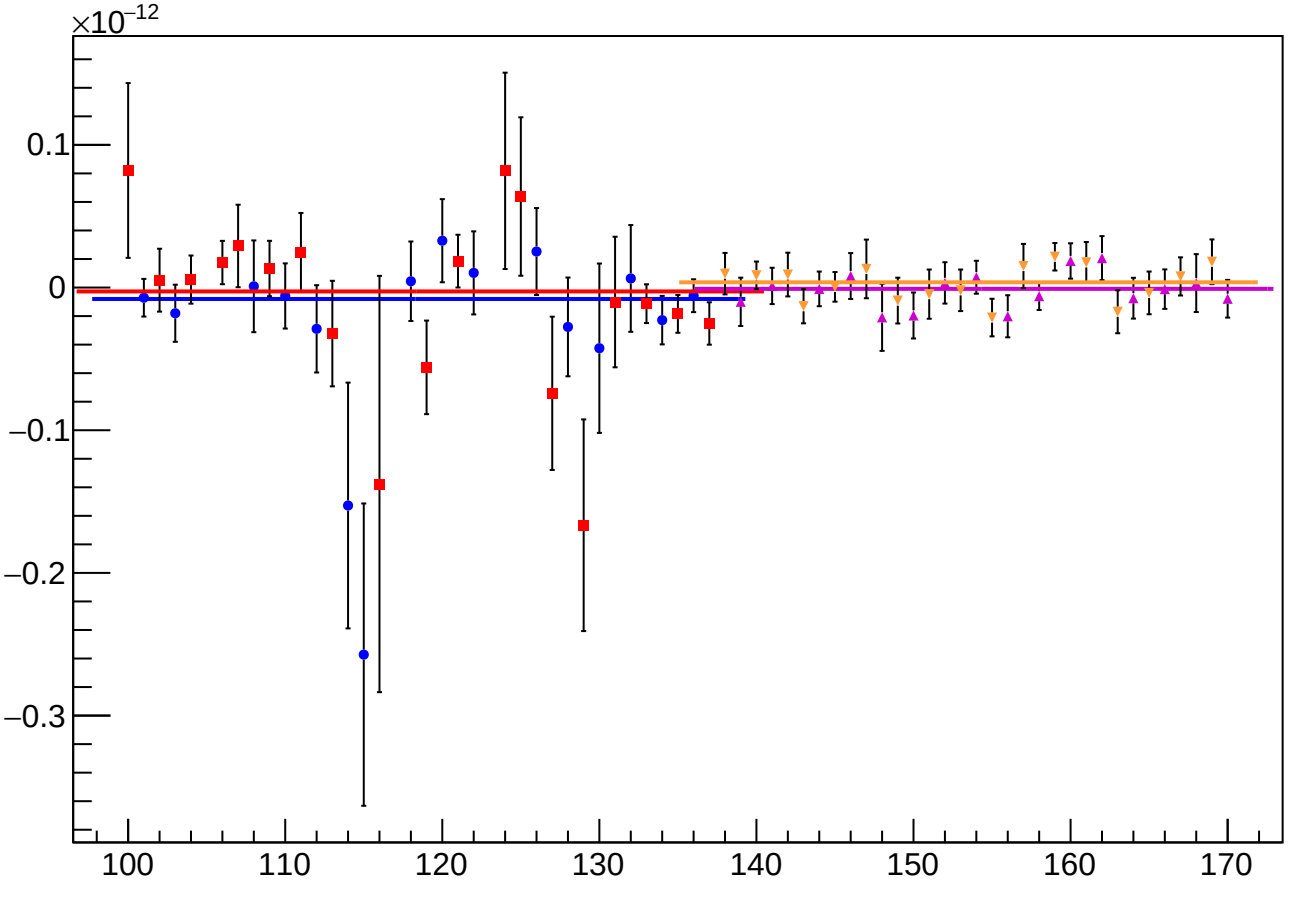
Left: 50.558+/-0.007 χ^2/NDF: 1125516.7/32

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.886+/-0.006 χ^2/NDF:7317378.2/31

Out: 29.482+/-0.005 χ^2/NDF:10536576.9/35

All: 31.463+/-0.004 χ^2/NDF: 18148234.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/15

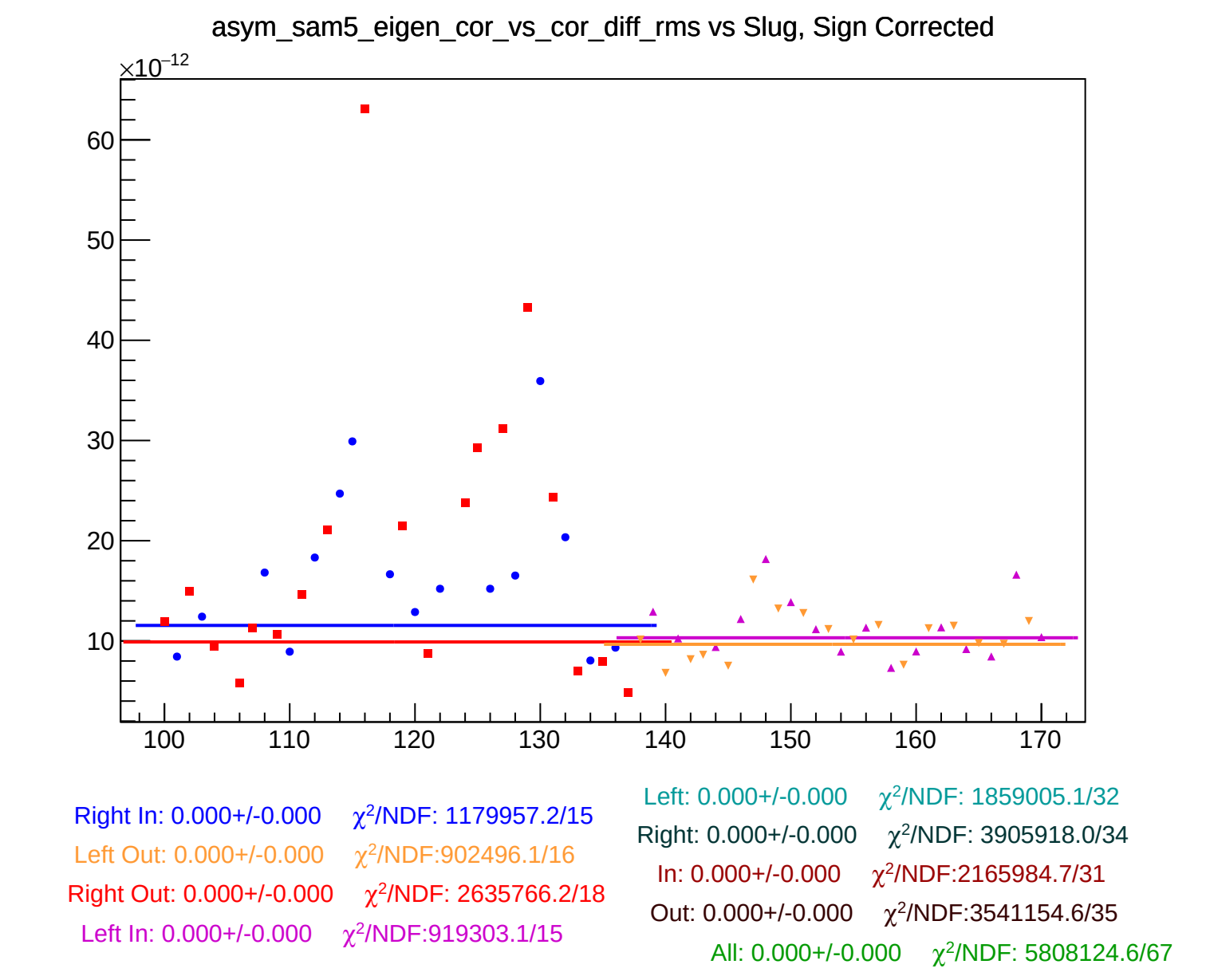
Left: 0.000+/-0.000 χ^2/NDF: 26.5/32

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

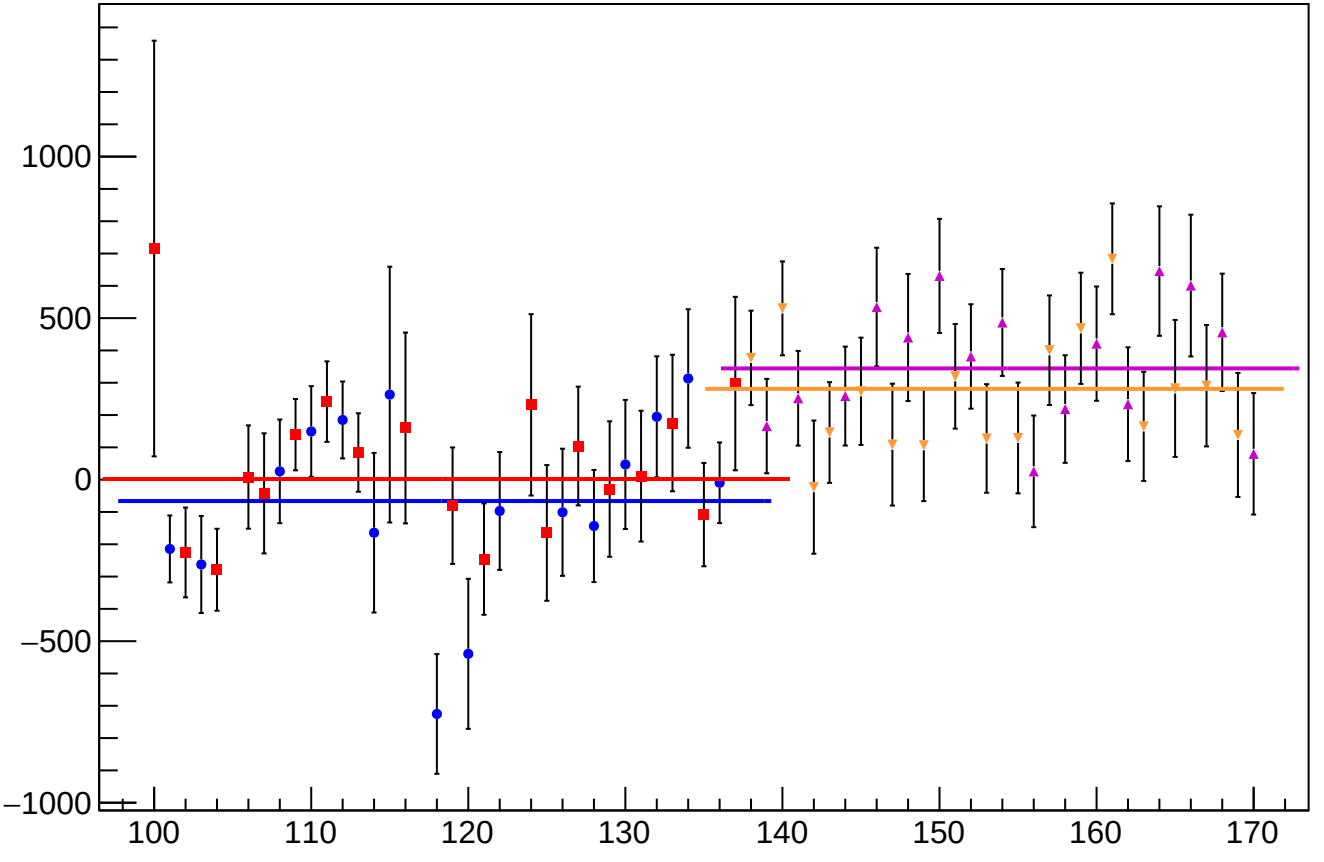
In: -0.000+/-0.000 χ^2/NDF:25.8/31

Out: 0.000+/-0.000 χ^2/NDF:42.6/35

All: -0.000+/-0.000 χ^2/NDF: 69.7/67


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:902496.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:919303.1/15
Left: 0.000+/-0.000 χ²/NDF: 1859005.1/32
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2165984.7/31
Out: 0.000+/-0.000 χ²/NDF:3541154.6/35
All: 0.000+/-0.000 χ²/NDF: 5808124.6/67

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 281.085+/-41.544 χ^2/NDF:18.0/16

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 344.340+/-43.181 χ^2/NDF:17.5/15

Left: 311.491+/-29.938 χ^2/NDF: 36.6/32

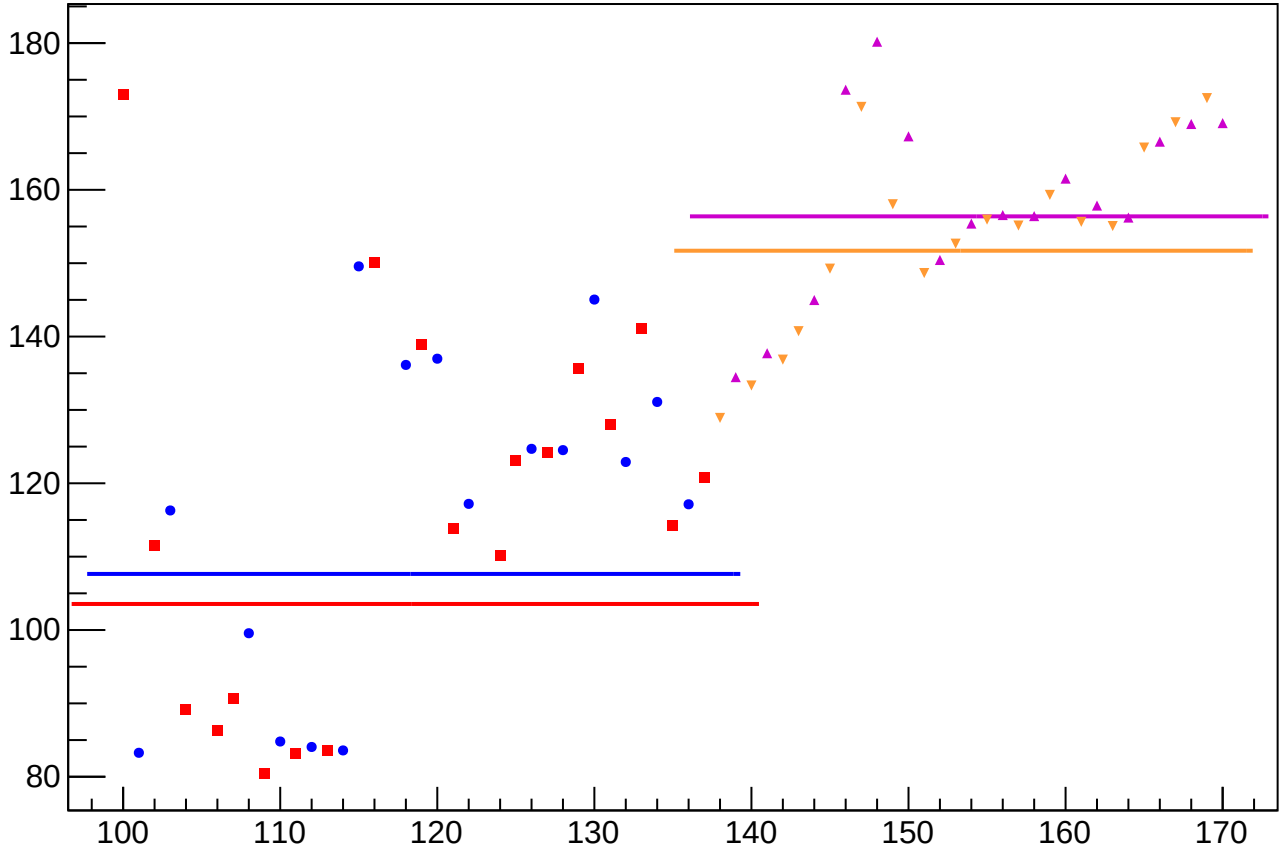
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 128.108+/-29.709 χ^2/NDF:99.5/31

Out: 132.268+/-28.382 χ^2/NDF:63.2/35

All: 130.283+/-20.522 χ^2/NDF: 162.7/67

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 151.700+/-0.029 χ^2/NDF:183792.2/16

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 156.384+/-0.031 χ^2/NDF:170680.2/15

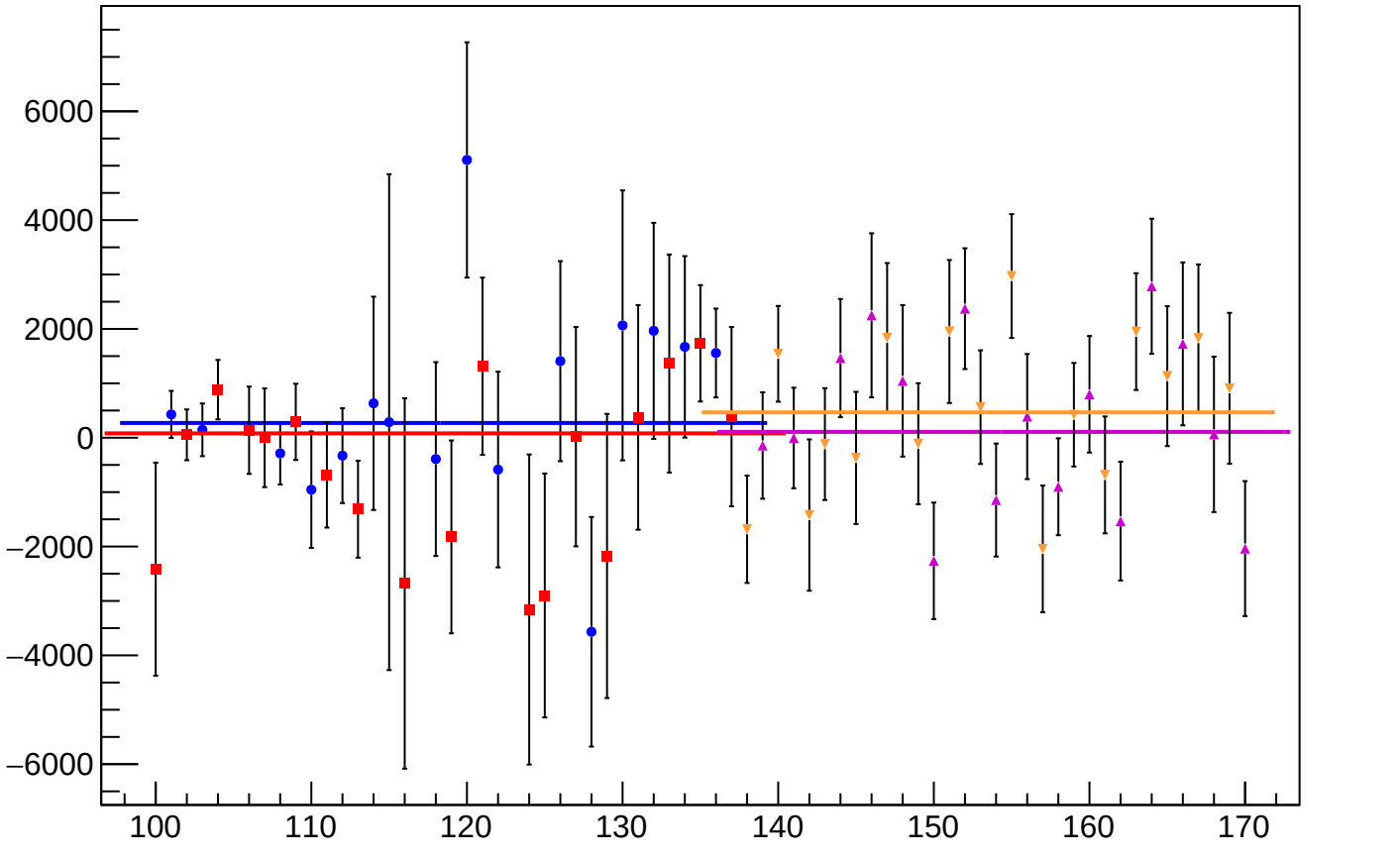
Left: 153.952+/-0.021 χ^2/NDF: 366690.3/32

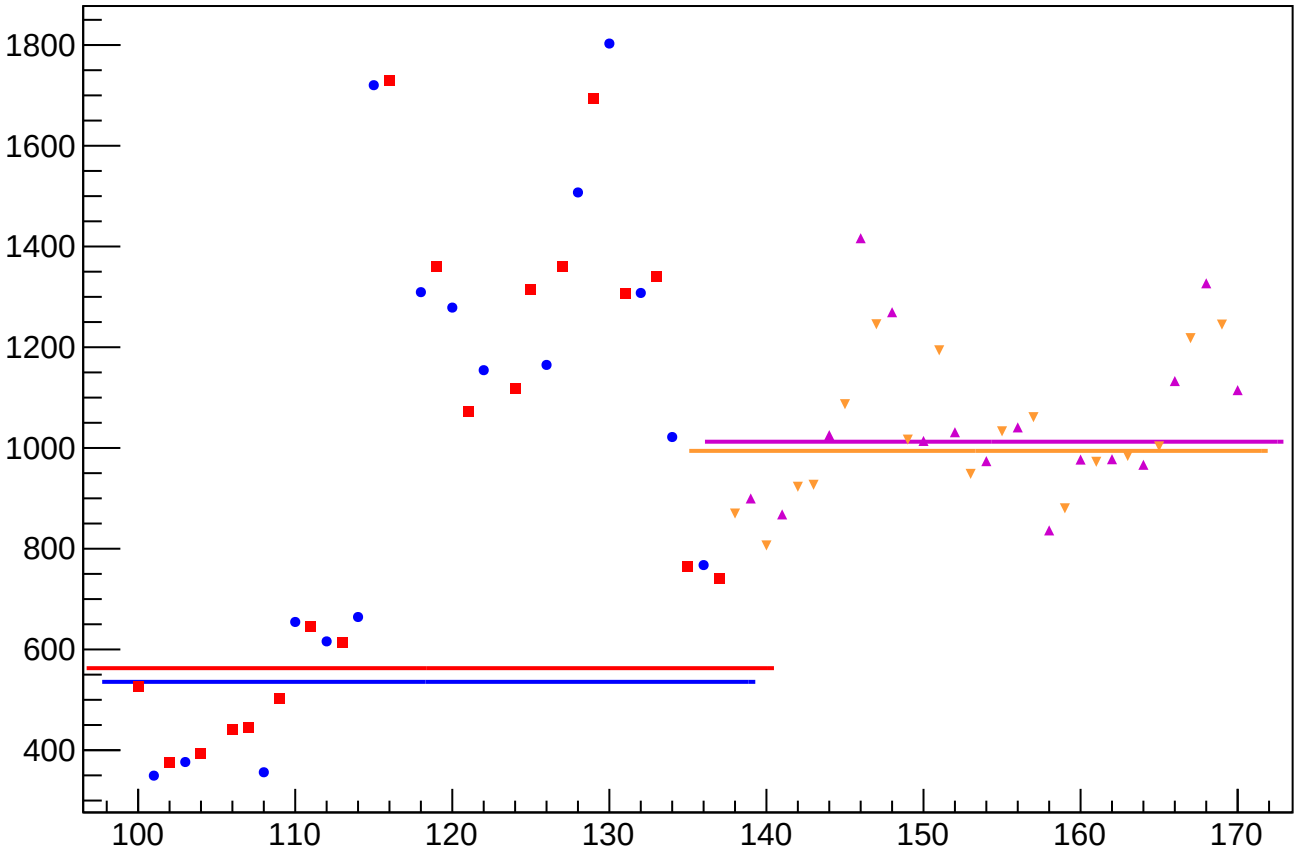
Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 130.714+/-0.021 χ^2/NDF:2045437.7/31

Out: 126.023+/-0.020 χ^2/NDF:2233840.8/35

All: 128.262+/-0.015 χ^2/NDF: 4305349.5/67


asym_sam6_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 271.505+/-230.663 χ²/NDF: 16.5/15
Left Out: 466.154+/-274.086 χ²/NDF:25.4/16
Right Out: 80.094+/-232.154 χ²/NDF: 16.0/18
Left In: 107.240+/-281.841 χ²/NDF:27.4/15
Left: 291.703+/-196.493 χ²/NDF: 53.6/32
Right: 176.417+/-163.628 χ²/NDF: 32.8/34
In: 205.614+/-178.503 χ²/NDF:44.1/31
Out: 241.365+/-177.148 χ²/NDF:42.5/35
All: 223.626+/-125.739 χ²/NDF: 86.7/67



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 994.235+/-0.194 χ^2/NDF:424690.9/16

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1012.442+/-0.199 χ^2/NDF:500480.3/15

Left: 1003.084+/-0.139 χ^2/NDF: 929460.6/32

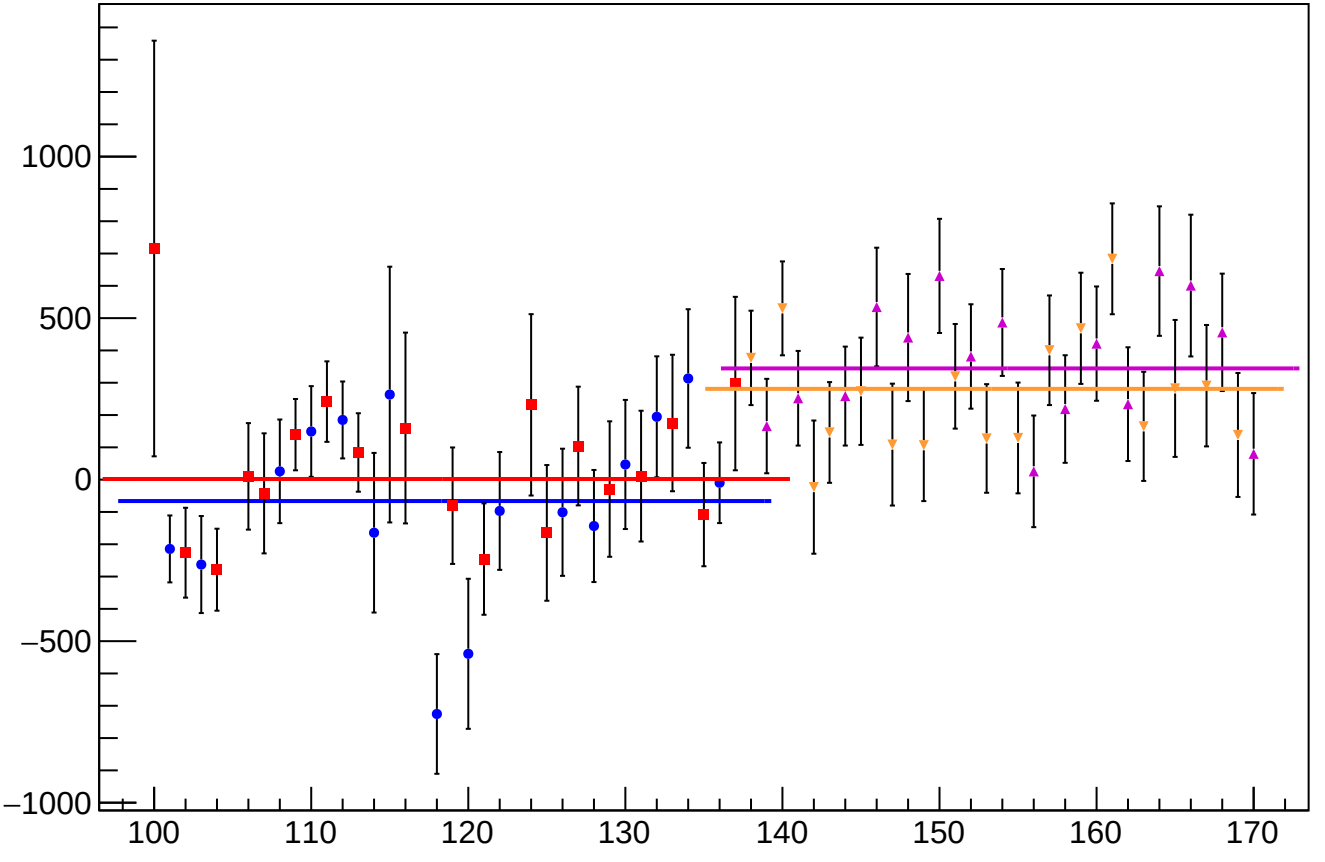
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 726.923+/-0.126 χ^2/NDF:7560184.3/31

Out: 743.052+/-0.125 χ^2/NDF:6420538.0/35

All: 735.049+/-0.089 χ^2/NDF: 13988948.2/67

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 281.083+/-41.544 χ^2/NDF:18.0/16

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 344.344+/-43.181 χ^2/NDF:17.5/15

Left: 311.492+/-29.938 χ^2/NDF: 36.6/32

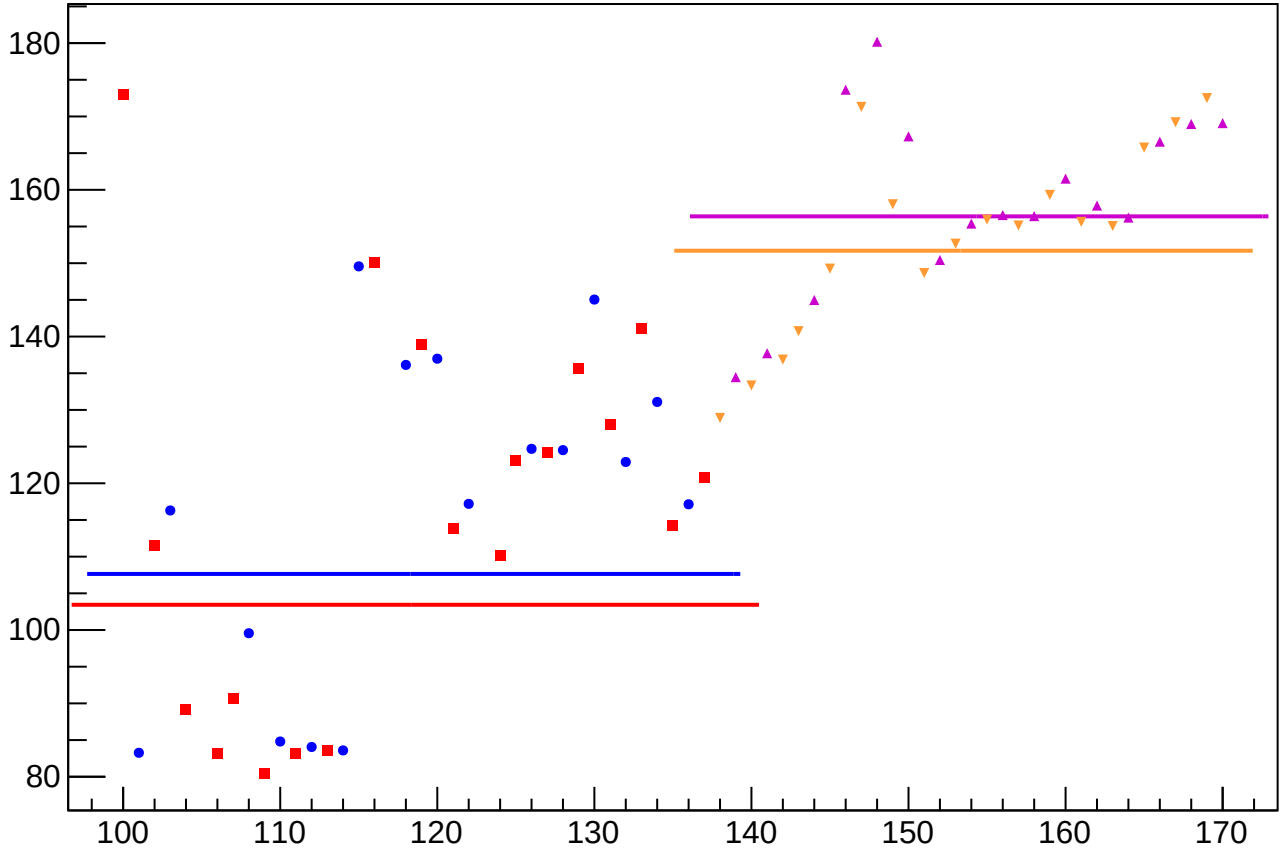
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 128.097+/-29.709 χ^2/NDF:99.5/31

Out: 132.542+/-28.409 χ^2/NDF:63.2/35

All: 130.419+/-20.532 χ^2/NDF: 162.7/67

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 151.700+/-0.029 χ^2/NDF:183792.2/16

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 156.384+/-0.031 χ^2/NDF:170680.3/15

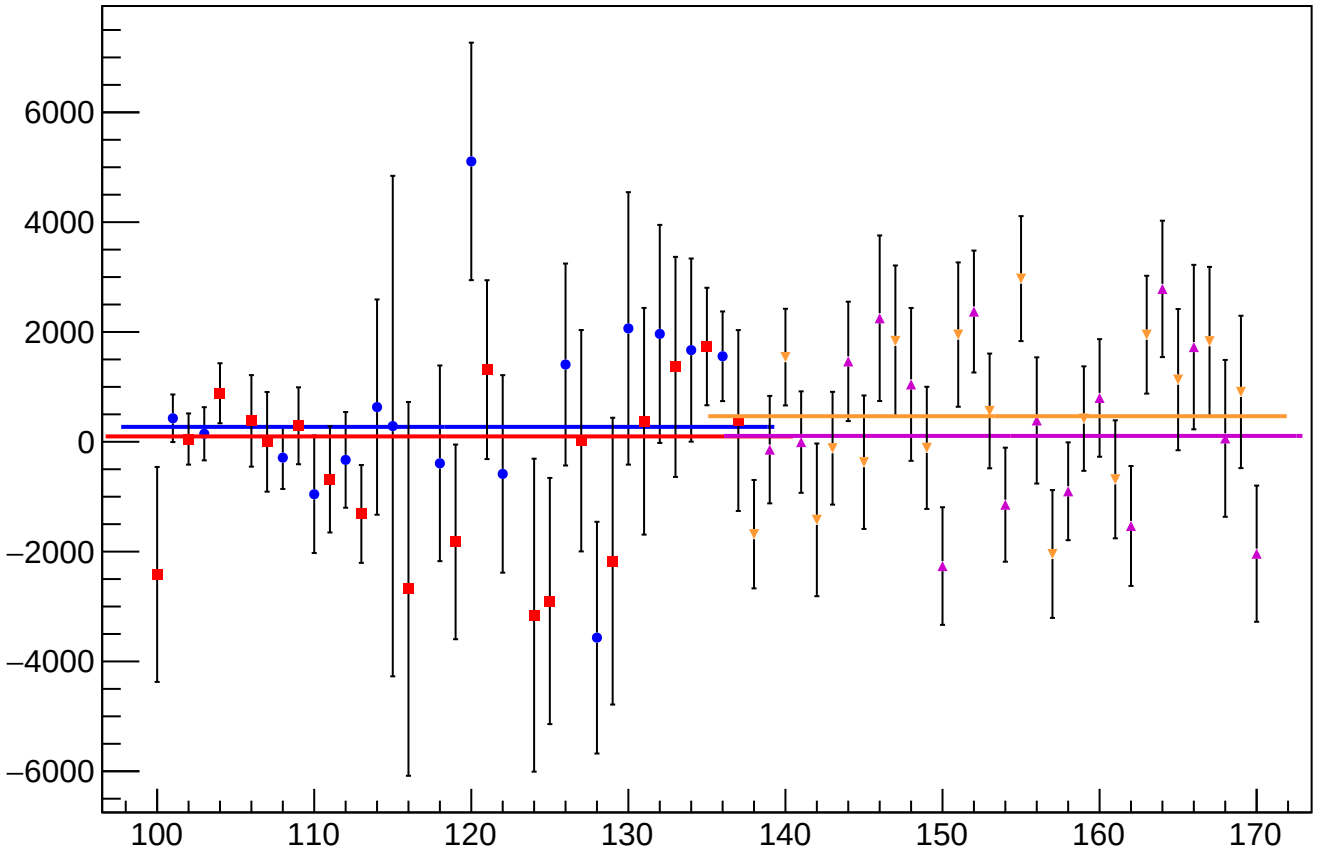
Left: 153.952+/-0.021 χ^2/NDF: 366690.3/32

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 130.714+/-0.021 χ^2/NDF:2045435.6/31

Out: 126.007+/-0.020 χ^2/NDF:2245498.9/35

All: 128.255+/-0.015 χ^2/NDF: 4317164.7/67



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 466.158+/-274.086 χ^2/NDF:25.4/16

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 107.240+/-281.841 χ^2/NDF:27.4/15

Left: 291.705+/-196.493 χ^2/NDF: 53.6/32

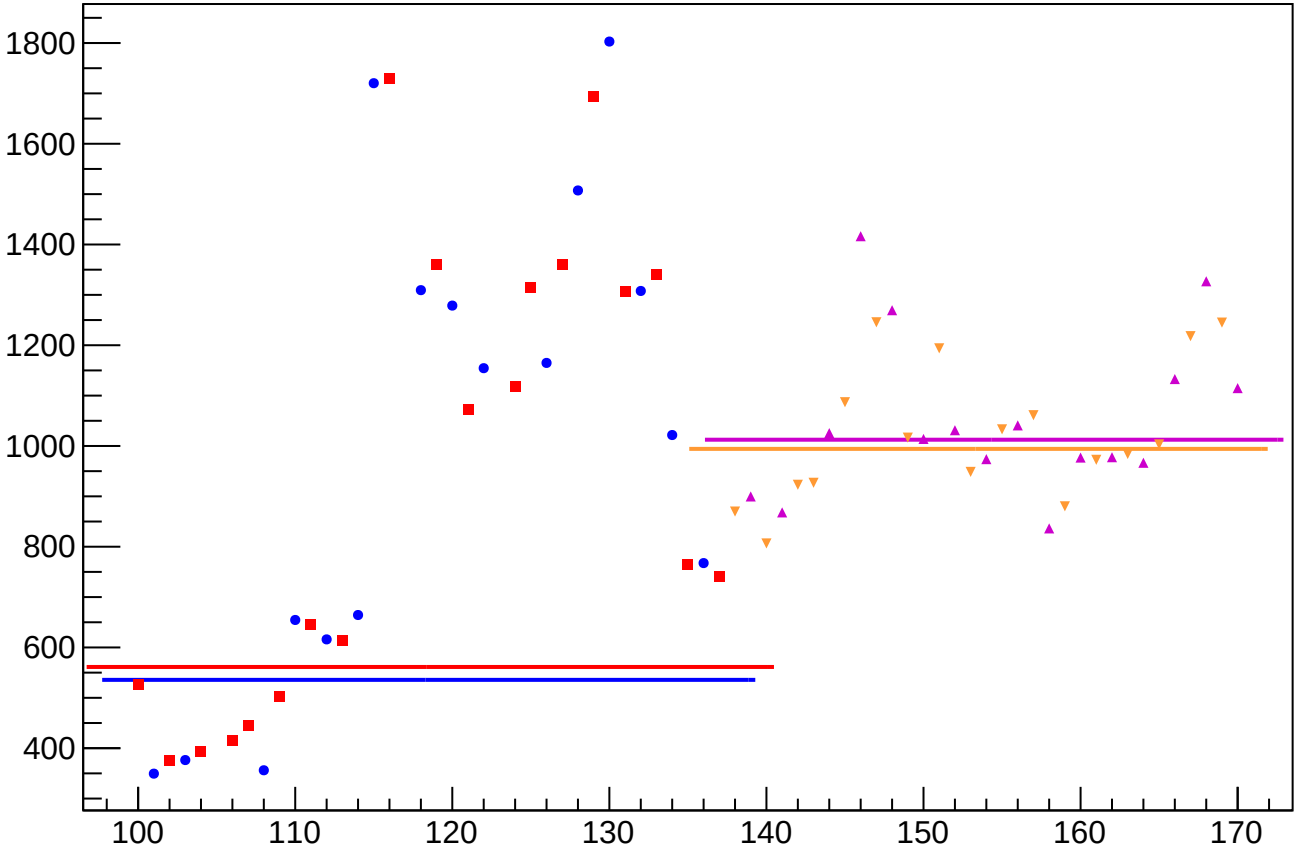
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 205.700+/-178.499 χ^2/NDF:44.1/31

Out: 252.186+/-177.426 χ^2/NDF:42.6/35

All: 229.084+/-125.837 χ^2/NDF: 86.7/67

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 994.236+/-0.194 χ^2/NDF:424690.5/16

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1012.442+/-0.199 χ^2/NDF:500479.6/15

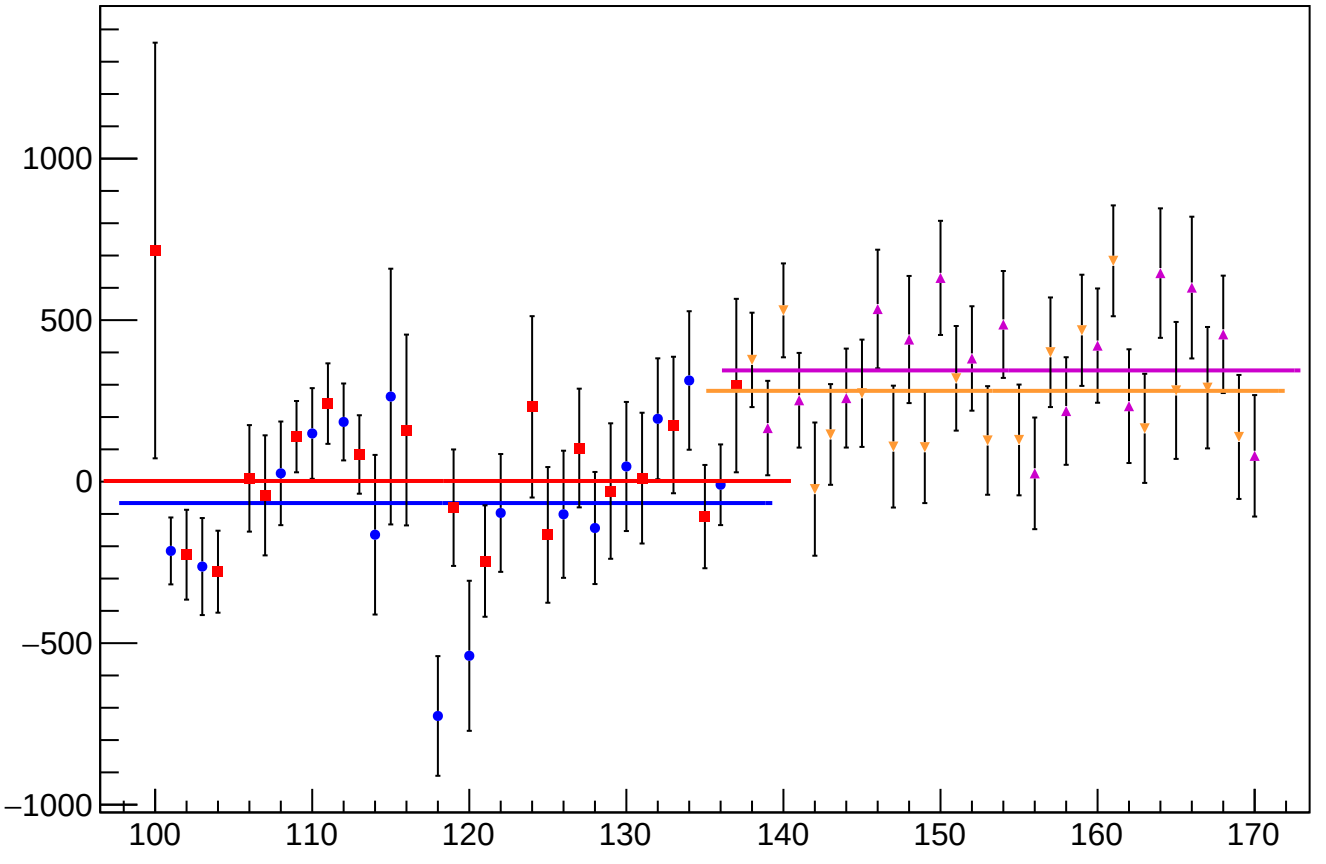
Left: 1003.085+/-0.139 χ^2/NDF: 929459.6/32

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 726.904+/-0.126 χ^2/NDF:7560785.3/31

Out: 742.703+/-0.125 χ^2/NDF:6454829.5/35

All: 734.851+/-0.089 χ^2/NDF: 14023496.1/67



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 281.083+/-41.544 χ^2/NDF:18.0/16

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 344.344+/-43.181 χ^2/NDF:17.5/15

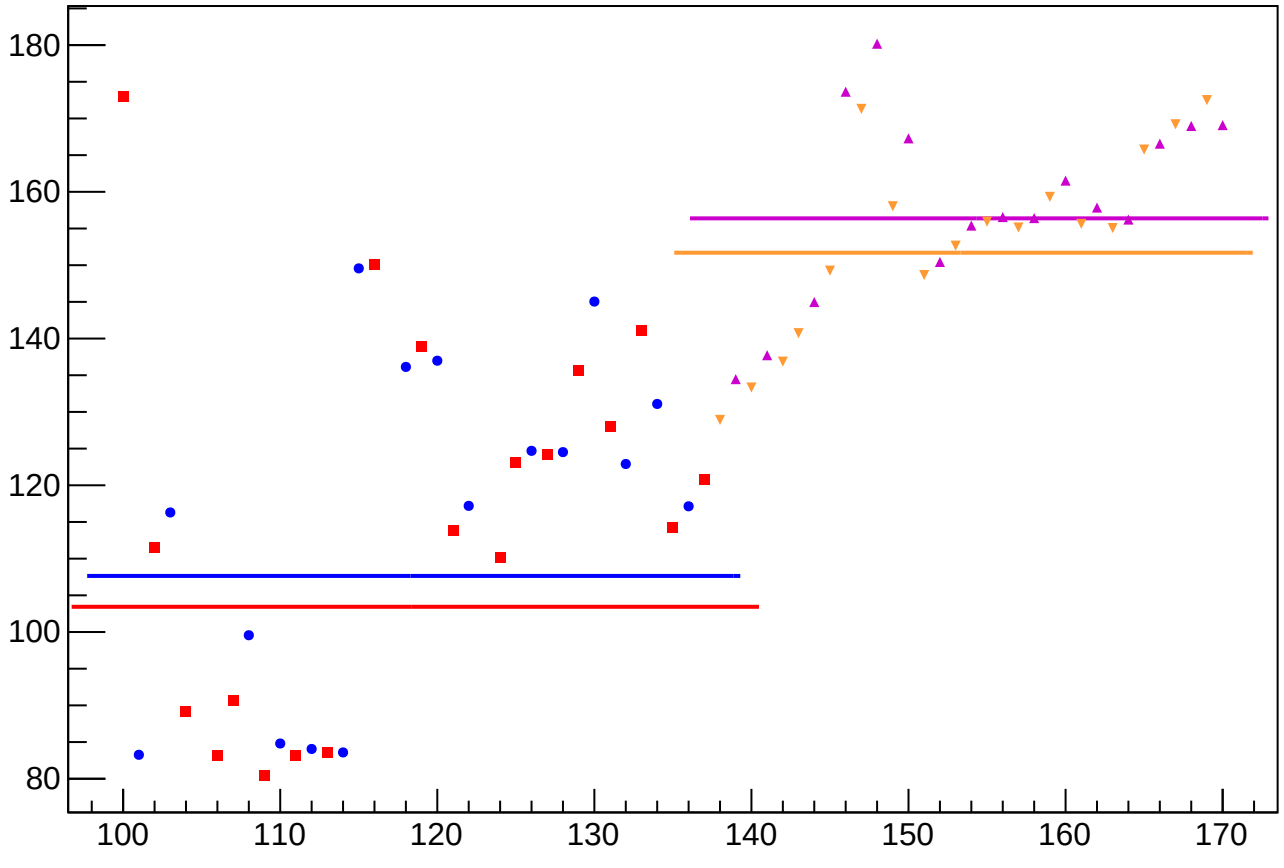
Left: 311.492+/-29.938 χ^2/NDF: 36.6/32

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 128.097+/-29.709 χ^2/NDF:99.5/31

Out: 132.542+/-28.409 χ^2/NDF:63.2/35

All: 130.419+/-20.532 χ^2/NDF: 162.7/67



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 151.700+/-0.029 χ^2/NDF:183792.2/16

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 156.384+/-0.031 χ^2/NDF:170680.3/15

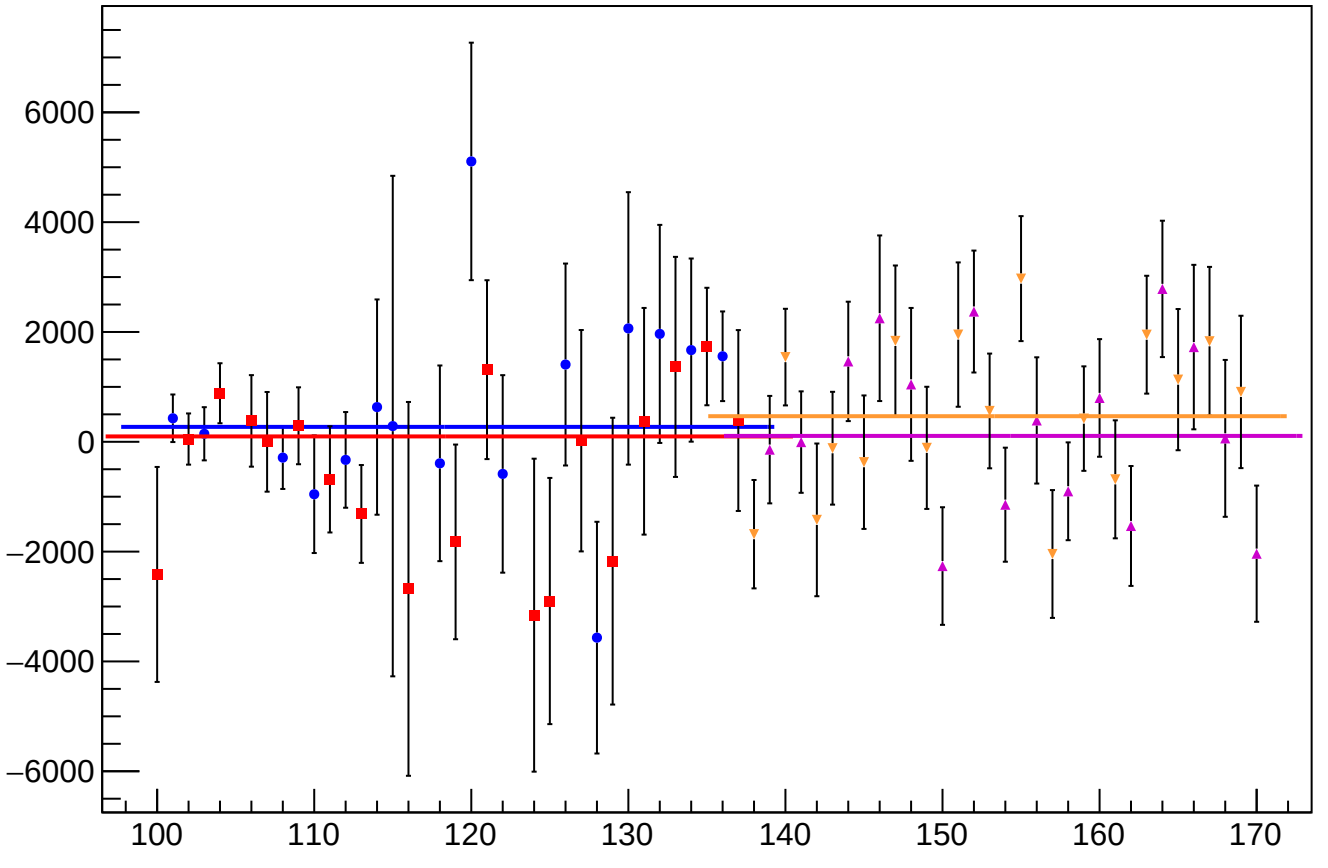
Left: 153.952+/-0.021 χ^2/NDF: 366690.3/32

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 130.714+/-0.021 χ^2/NDF:2045435.6/31

Out: 126.007+/-0.020 χ^2/NDF:2245498.9/35

All: 128.255+/-0.015 χ^2/NDF: 4317164.7/67



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 466.158+/-274.086 χ^2/NDF:25.4/16

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 107.240+/-281.841 χ^2/NDF:27.4/15

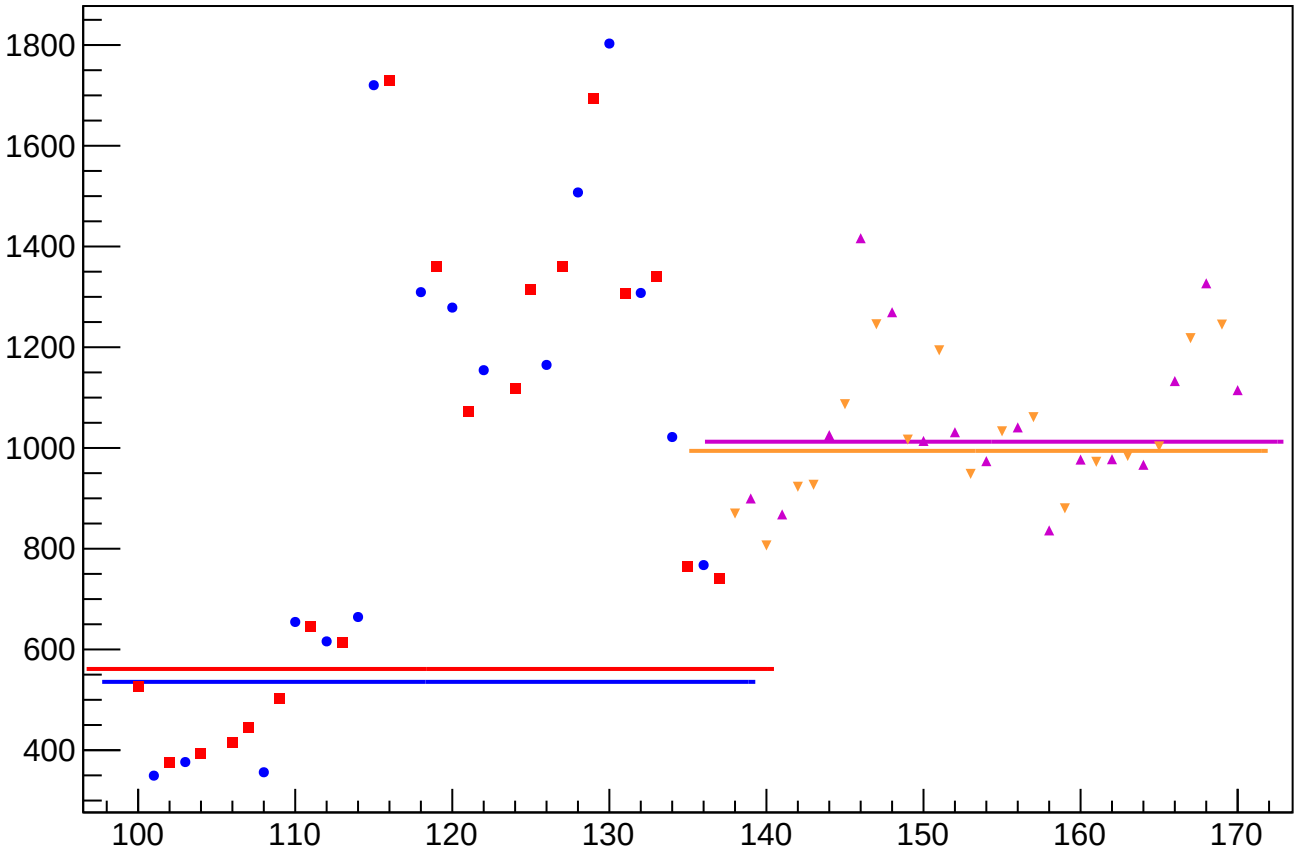
Left: 291.705+/-196.493 χ^2/NDF: 53.6/32

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 205.700+/-178.499 χ^2/NDF:44.1/31

Out: 252.186+/-177.426 χ^2/NDF:42.6/35

All: 229.084+/-125.837 χ^2/NDF: 86.7/67



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 994.236+/-0.194 χ^2/NDF:424690.5/16

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1012.442+/-0.199 χ^2/NDF:500479.6/15

Left: 1003.085+/-0.139 χ^2/NDF: 929459.6/32

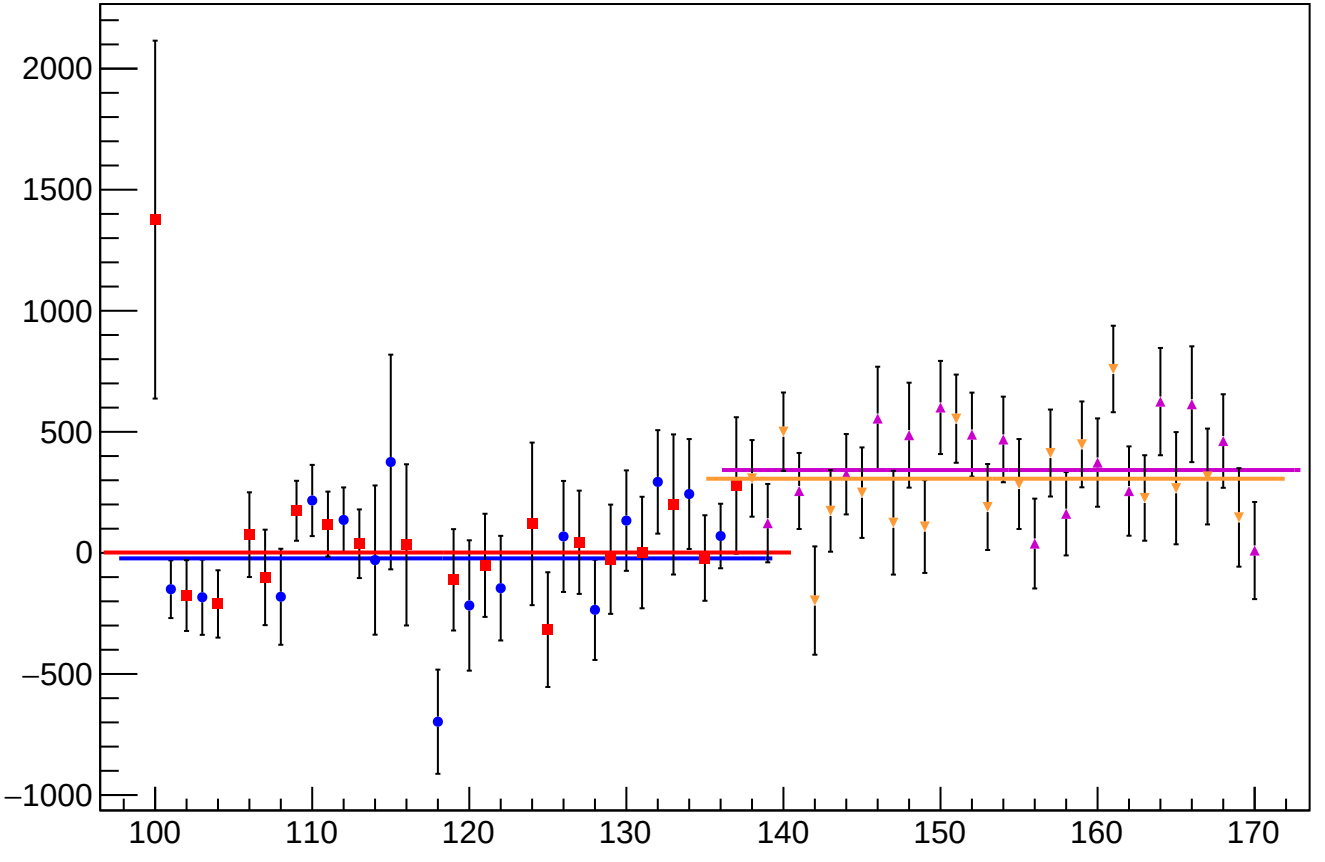
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 726.904+/-0.126 χ^2/NDF:7560785.3/31

Out: 742.703+/-0.125 χ^2/NDF:6454829.5/35

All: 734.851+/-0.089 χ^2/NDF: 14023496.1/67

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 306.356+/-44.885 χ^2/NDF:19.6/16

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 342.246+/-46.513 χ^2/NDF:16.7/15

Left: 323.662+/-32.299 χ^2/NDF: 36.6/32

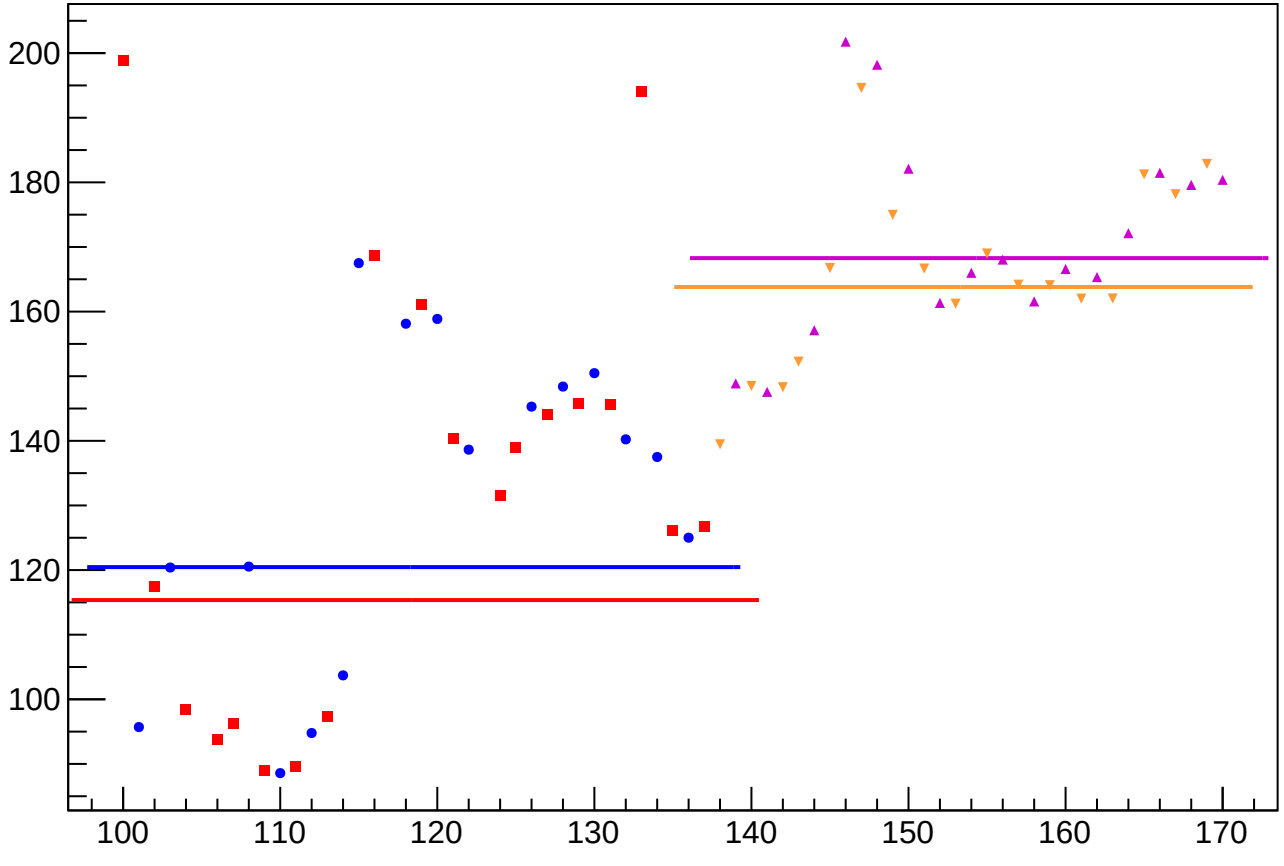
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 157.396+/-32.674 χ^2/NDF:72.1/31

Out: 149.423+/-31.261 χ^2/NDF:57.6/35

All: 153.234+/-22.588 χ^2/NDF: 129.7/67

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 163.804+/-0.032 χ^2/NDF:175130.0/16

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 168.275+/-0.033 χ^2/NDF:198097.7/15

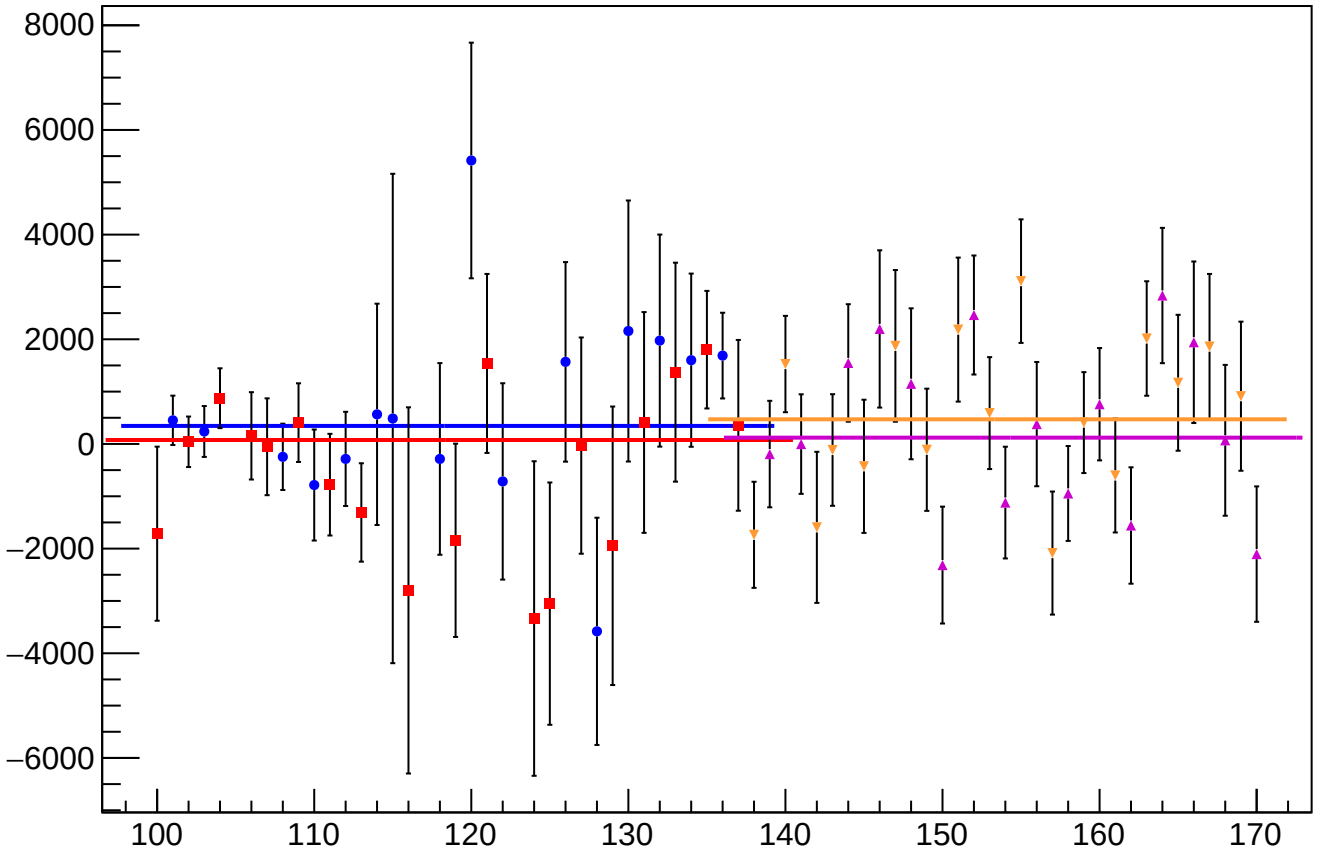
Left: 165.960+/-0.023 χ^2/NDF: 382794.9/32

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 144.054+/-0.023 χ^2/NDF:1799098.0/31

Out: 138.857+/-0.022 χ^2/NDF:2142208.9/35

All: 141.340+/-0.016 χ^2/NDF: 3967725.6/67



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 470.874+/-282.363 χ^2/NDF:25.7/16

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 120.153+/-289.400 χ^2/NDF:27.3/15

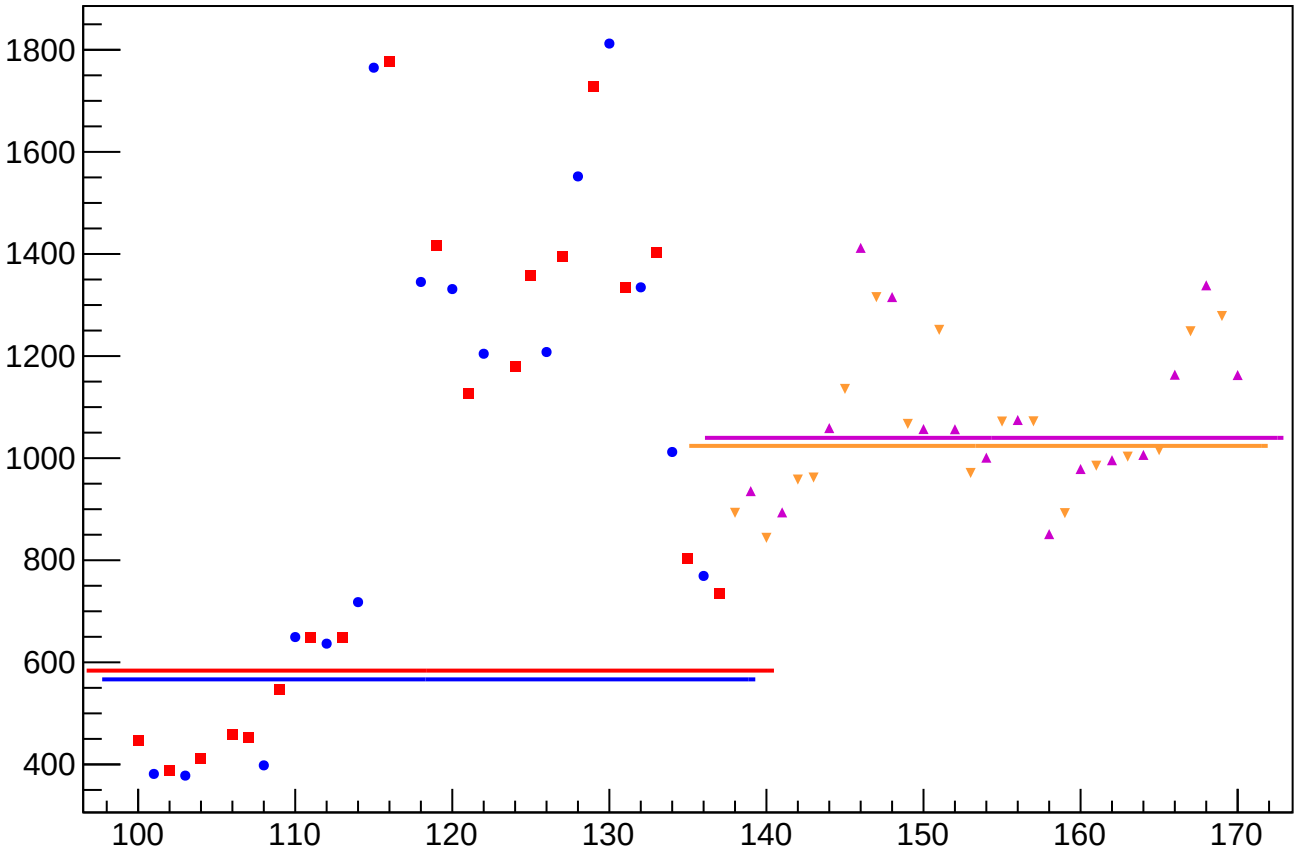
Left: 299.830+/-202.103 χ^2/NDF: 53.8/32

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 252.353+/-185.435 χ^2/NDF:43.9/31

Out: 241.678+/-183.080 χ^2/NDF:42.1/35

All: 246.948+/-130.282 χ^2/NDF: 86.1/67



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1024.046+/-0.200 χ^2/NDF:442879.8/16

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1039.790+/-0.205 χ^2/NDF:484237.5/15

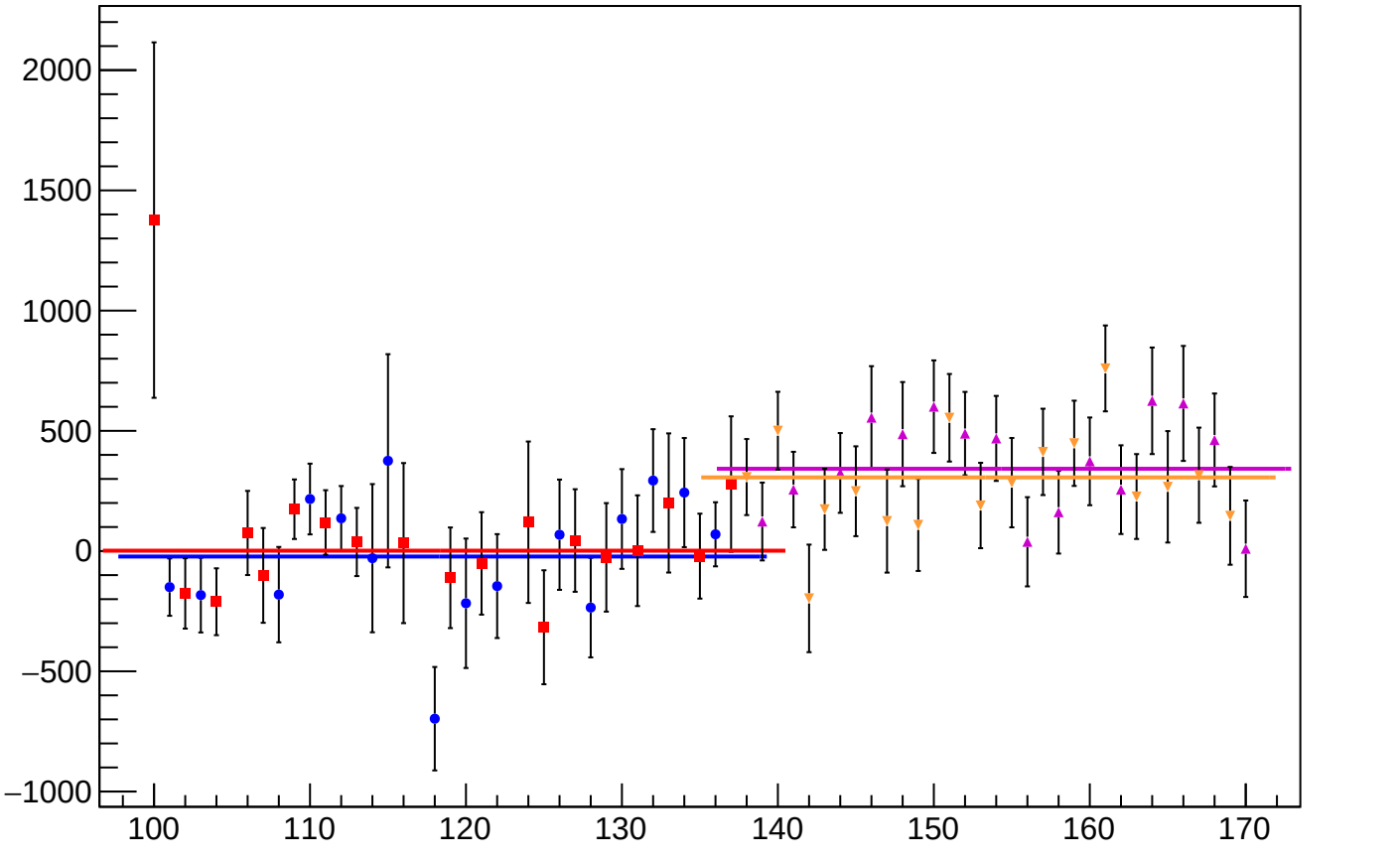
Left: 1031.725+/-0.143 χ^2/NDF: 930149.7/32

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 760.879+/-0.131 χ^2/NDF:7068289.4/31

Out: 768.878+/-0.129 χ^2/NDF:6368418.7/35

All: 764.929+/-0.092 χ^2/NDF: 13438592.6/67



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 306.357+/-44.885 χ^2/NDF:19.6/16

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 342.247+/-46.513 χ^2/NDF:16.7/15

Left: 323.663+/-32.299 χ^2/NDF: 36.6/32

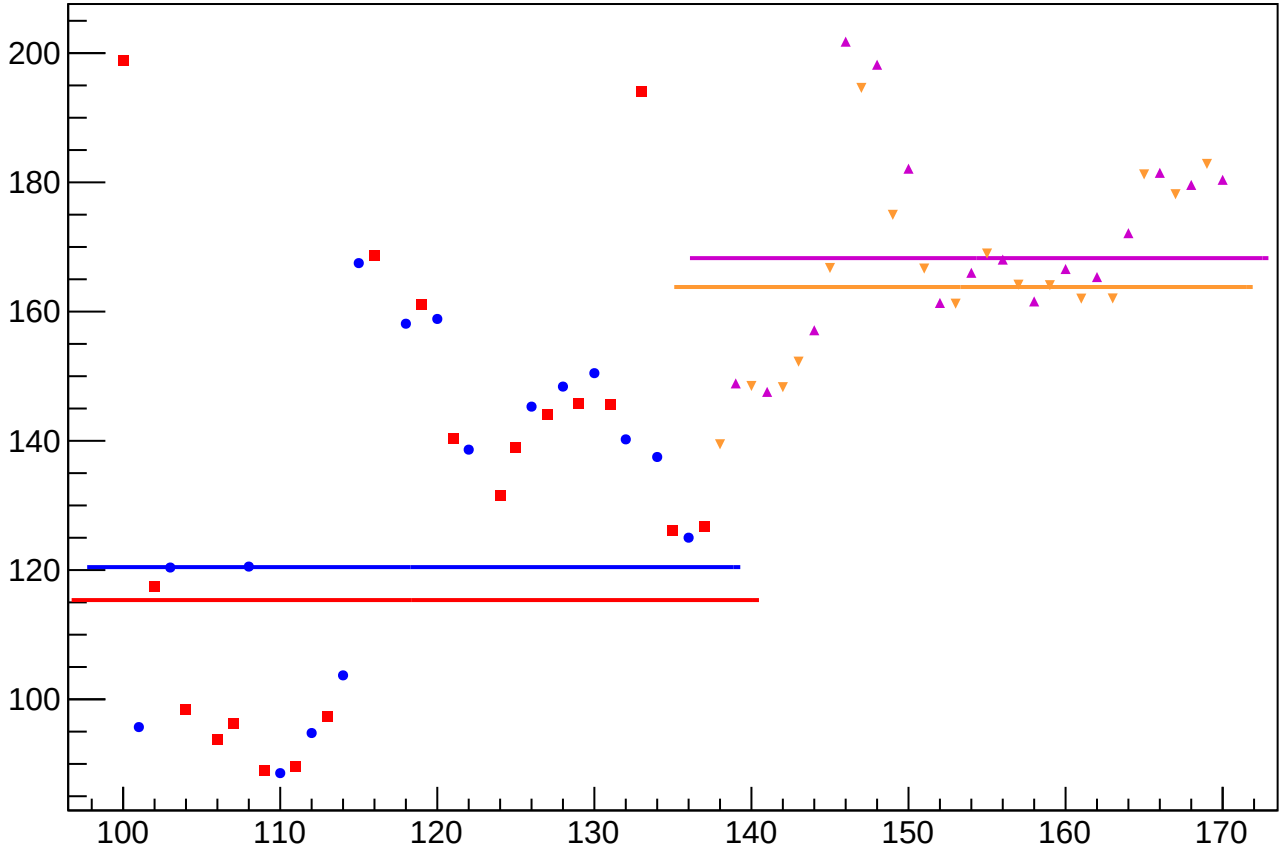
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 157.396+/-32.674 χ^2/NDF:72.1/31

Out: 149.424+/-31.261 χ^2/NDF:57.6/35

All: 153.234+/-22.588 χ^2/NDF: 129.7/67

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 163.804+/-0.032 χ^2/NDF:175128.7/16

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 168.275+/-0.033 χ^2/NDF:198097.1/15

Left: 165.960+/-0.023 χ^2/NDF: 382793.2/32

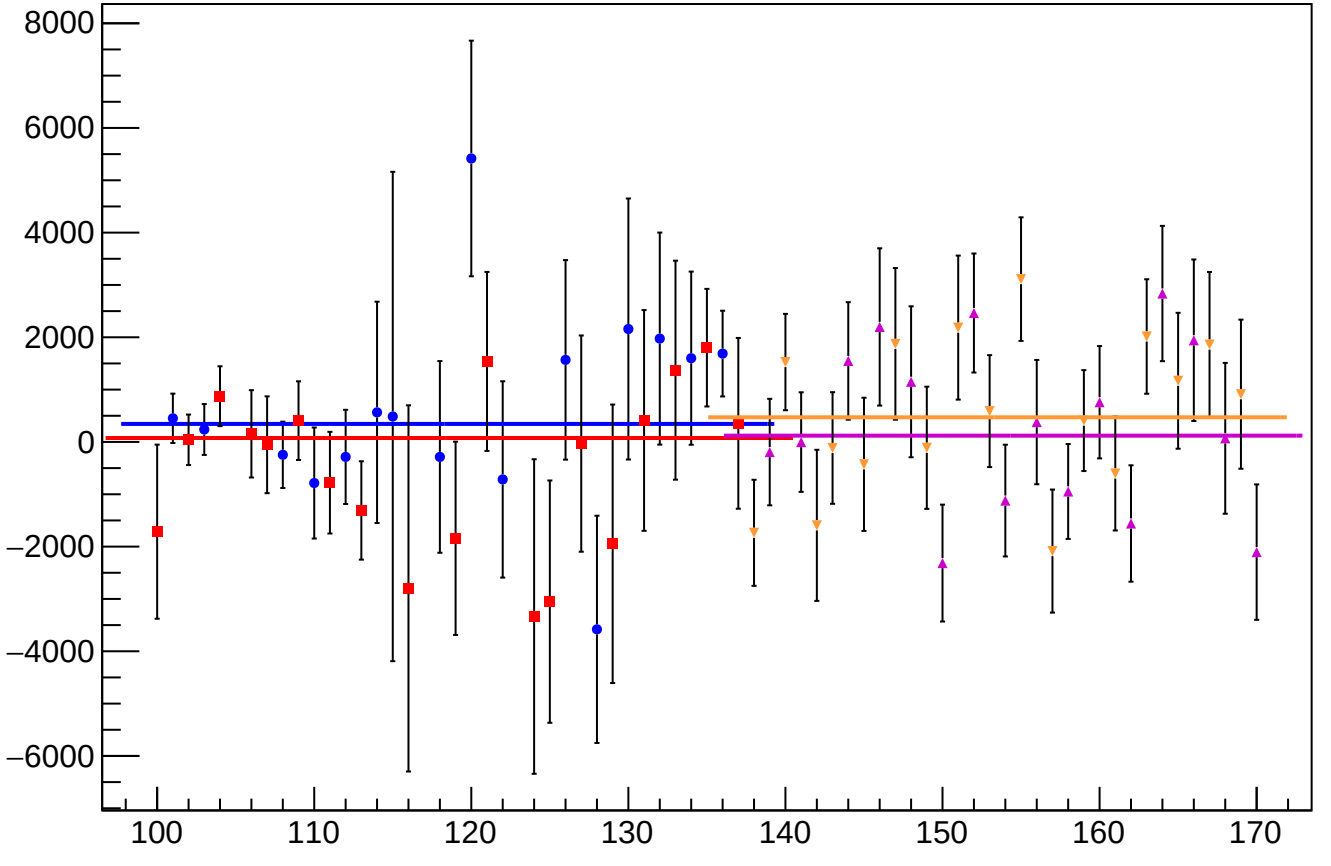
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 144.053+/-0.023 χ^2/NDF:1799106.9/31

Out: 138.856+/-0.022 χ^2/NDF:2142208.8/35

All: 141.340+/-0.016 χ^2/NDF: 3967734.1/67

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 470.875+/-282.363 χ^2/NDF:25.7/16

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 120.153+/-289.400 χ^2/NDF:27.3/15

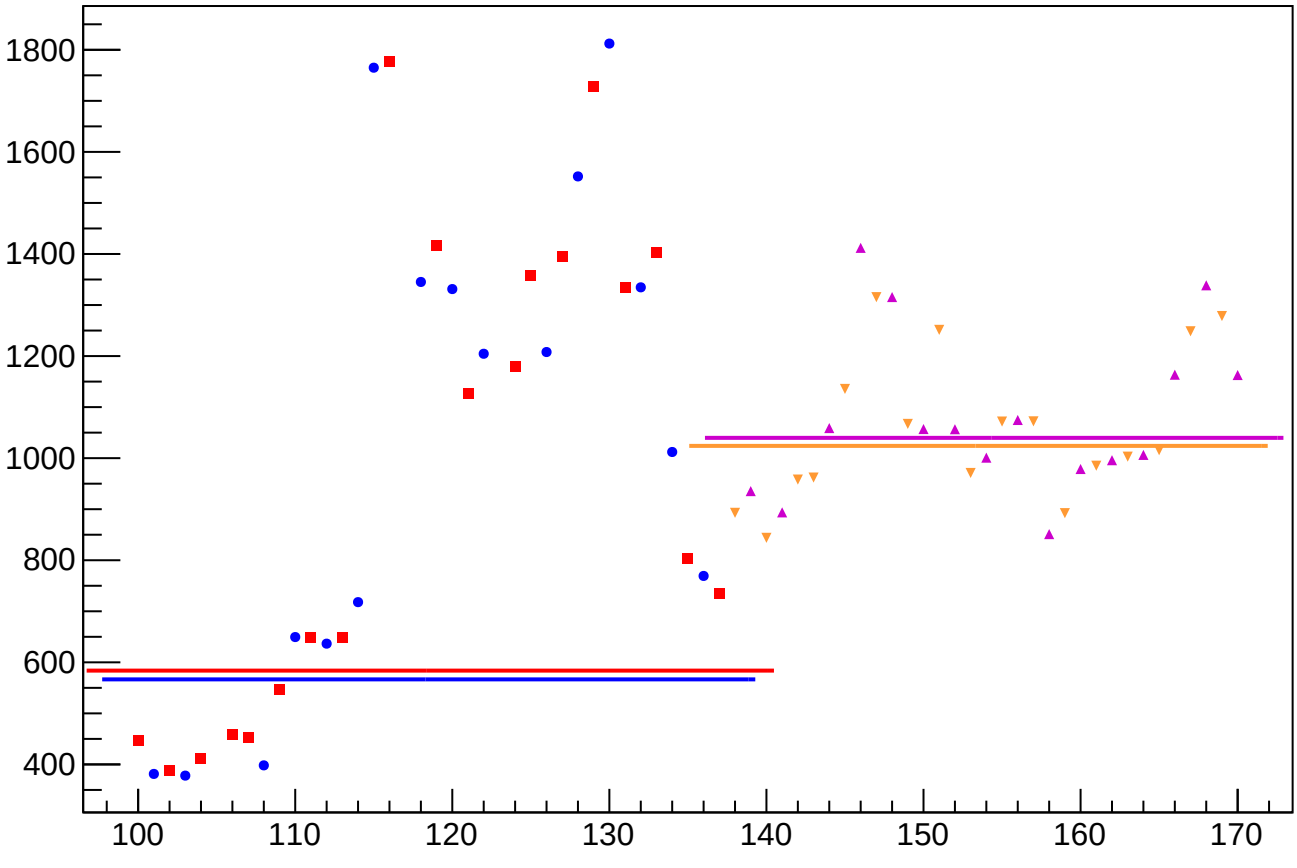
Left: 299.830+/-202.103 χ^2/NDF: 53.8/32

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 252.353+/-185.435 χ^2/NDF:43.9/31

Out: 241.679+/-183.080 χ^2/NDF:42.1/35

All: 246.948+/-130.281 χ^2/NDF: 86.1/67



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1024.046+/-0.200 χ^2/NDF:442882.1/16

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1039.790+/-0.205 χ^2/NDF:484240.5/15

Left: 1031.725+/-0.143 χ^2/NDF: 930154.9/32

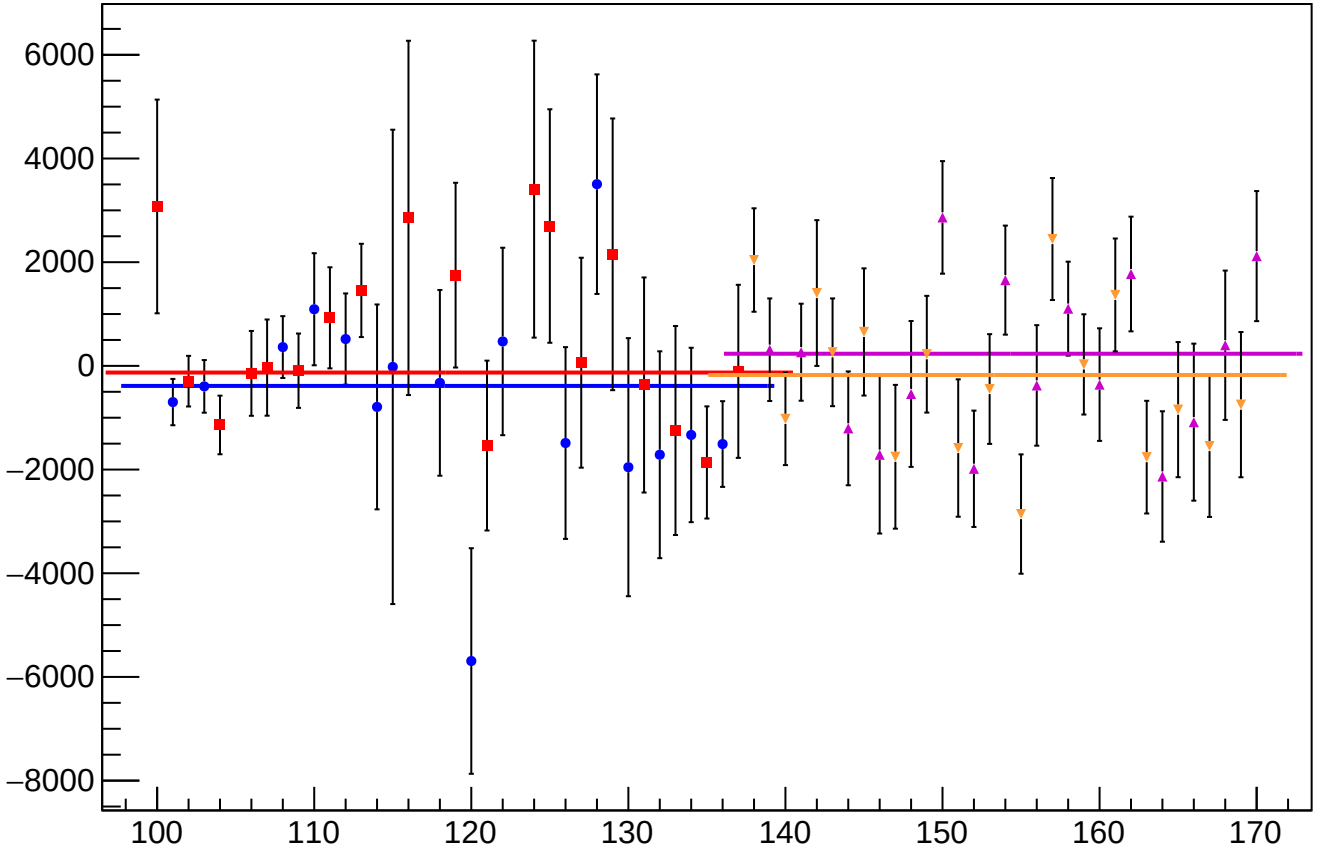
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 760.878+/-0.131 χ^2/NDF:7068307.1/31

Out: 768.877+/-0.129 χ^2/NDF:6368428.5/35

All: 764.929+/-0.092 χ^2/NDF: 13438620.2/67

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -175.492+/-277.358 χ^2/NDF:26.4/16

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 234.187+/-285.297 χ^2/NDF:25.3/15

Left: 23.568+/-198.869 χ^2/NDF: 52.7/32

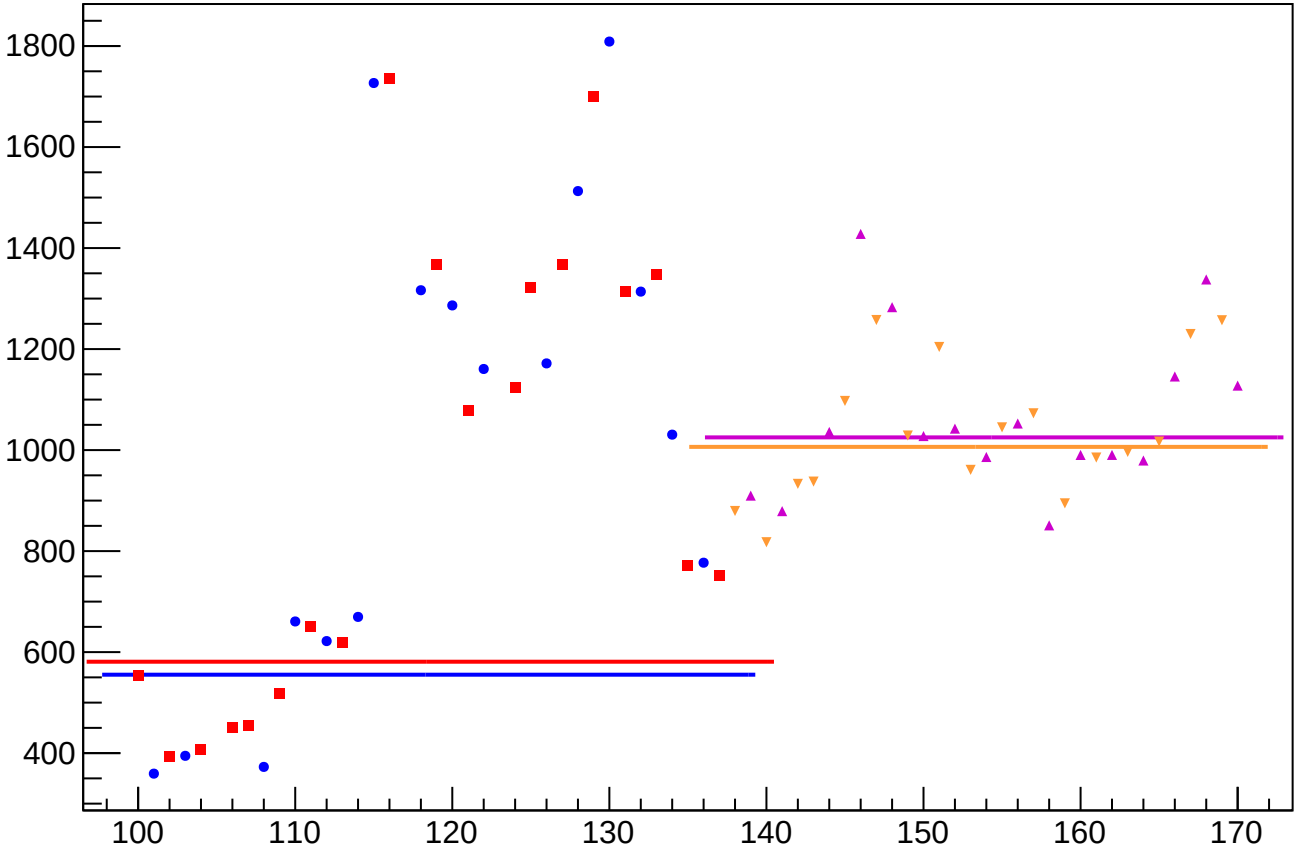
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -132.414+/-182.542 χ^2/NDF:46.0/31

Out: -148.499+/-180.723 χ^2/NDF:45.8/35

All: -140.537+/-128.429 χ^2/NDF: 91.8/67

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1006.363+/-0.196 χ^2/NDF:415710.8/16

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1025.167+/-0.202 χ^2/NDF:488937.7/15

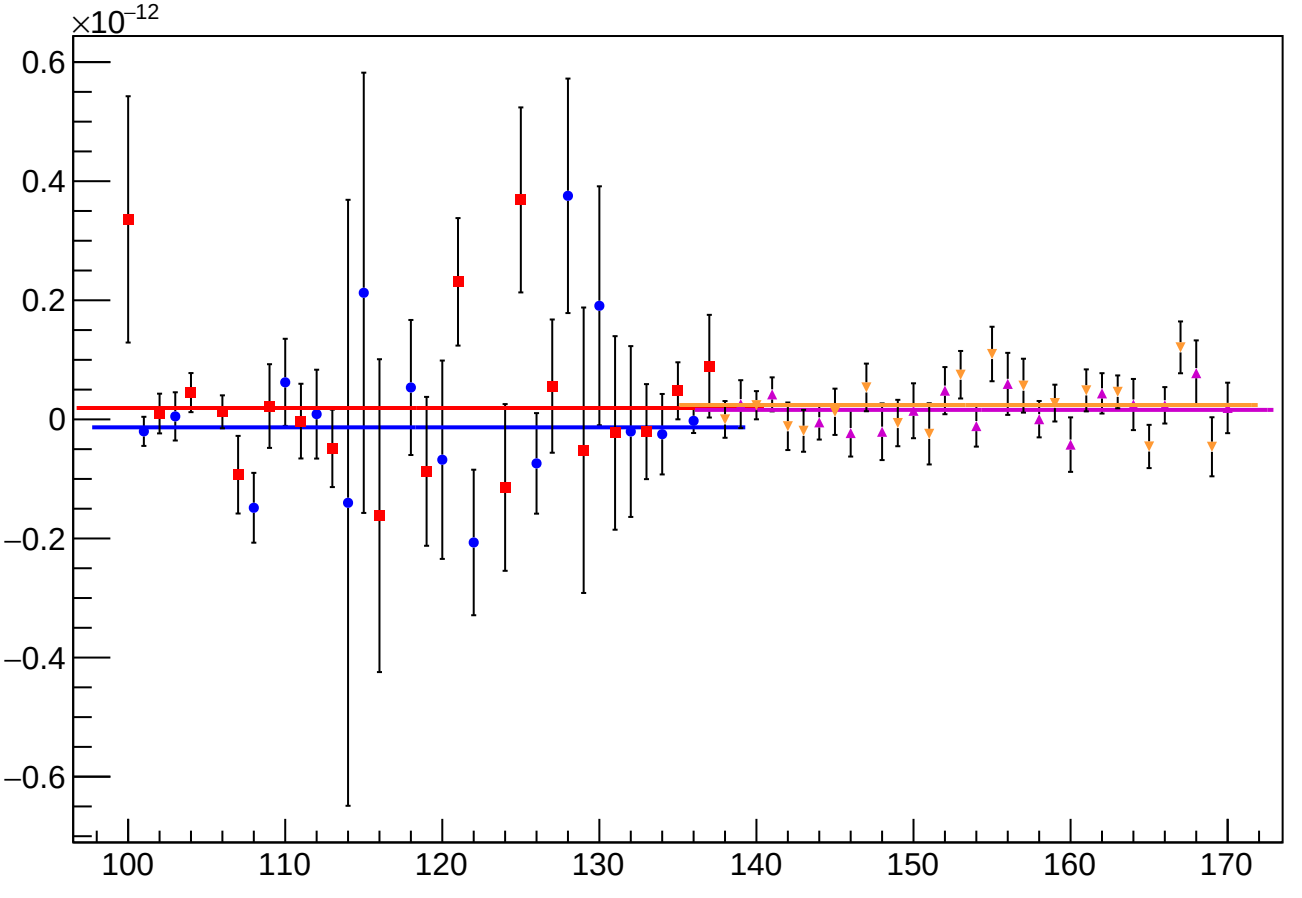
Left: 1015.499+/-0.141 χ^2/NDF: 909115.0/32

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 747.651+/-0.129 χ^2/NDF:7175570.8/31

Out: 761.593+/-0.128 χ^2/NDF:6106170.4/35

All: 754.691+/-0.091 χ^2/NDF: 13287633.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/15

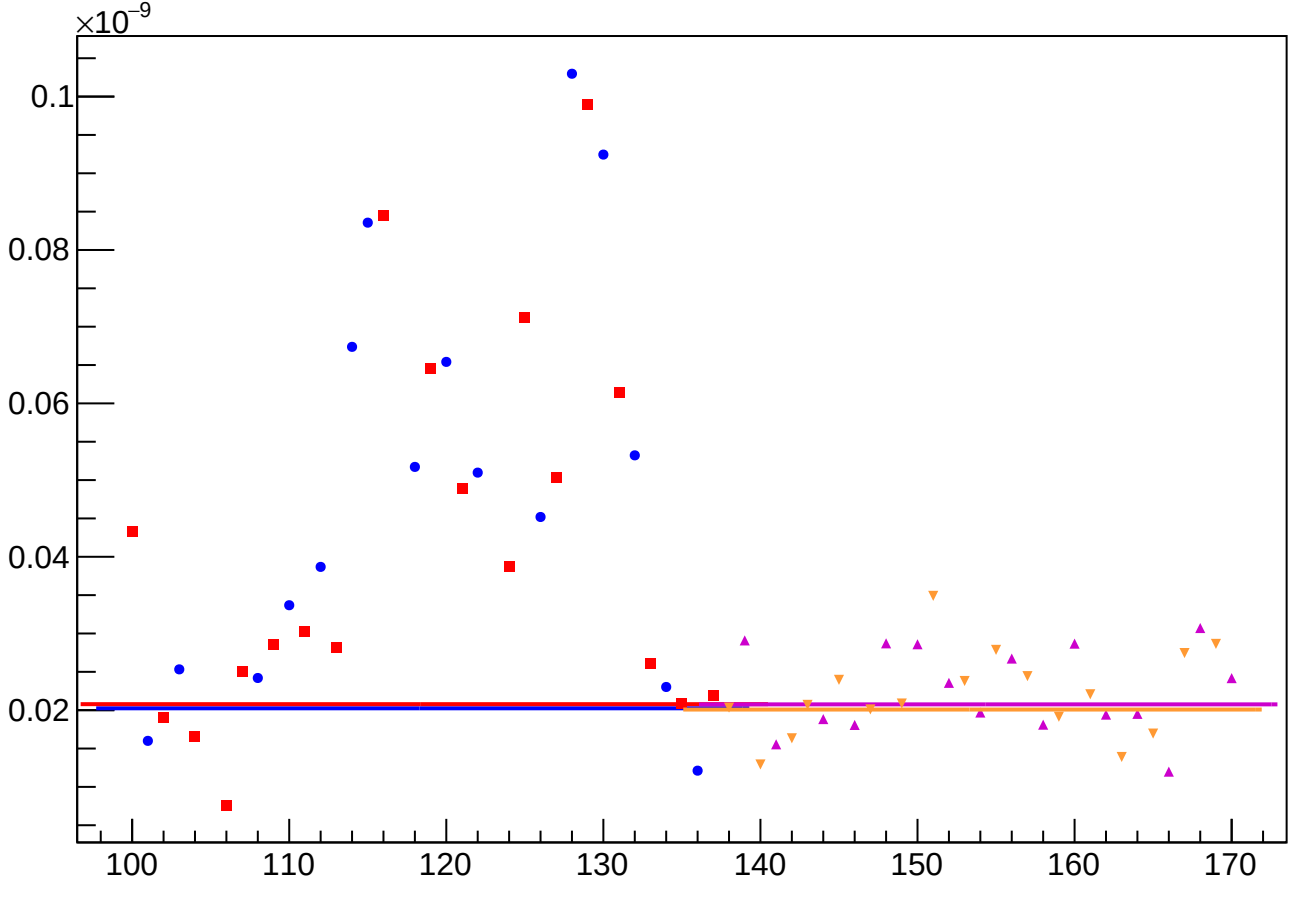
Left: 0.000+/-0.000 χ^2/NDF: 31.8/32

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/31

Out: 0.000+/-0.000 χ^2/NDF:42.4/35

All: 0.000+/-0.000 χ^2/NDF: 73.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:722503.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:645042.1/15

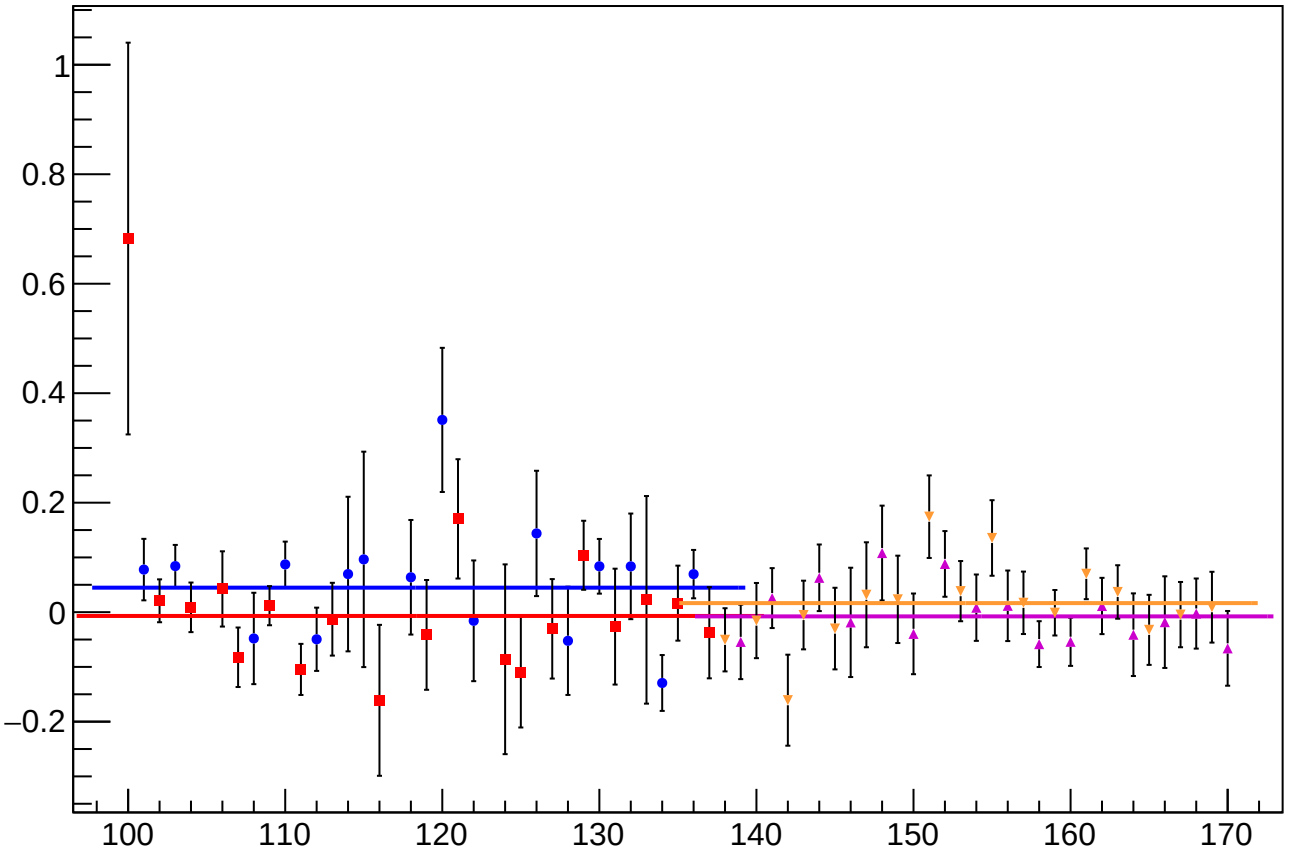
Left: 0.000+/-0.000 χ^2/NDF: 1373095.3/32

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2651787.8/31

Out: 0.000+/-0.000 χ^2/NDF:2582064.0/35

All: 0.000+/-0.000 χ^2/NDF: 5235435.8/67



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/16

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.5/15

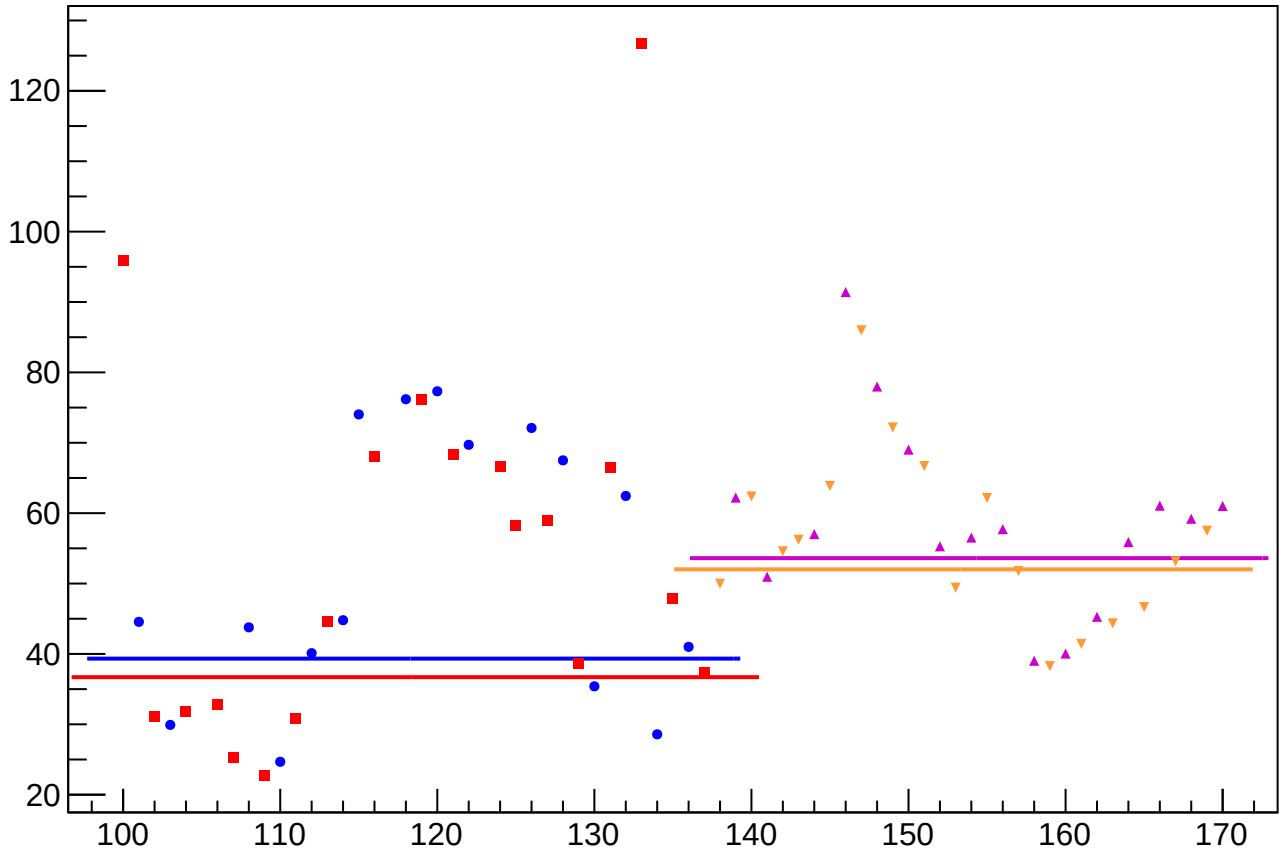
Left: 0.005+/-0.011 χ^2/NDF: 28.4/32

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.005+/-0.011 χ^2/NDF:38.0/35

All: 0.011+/-0.008 χ^2/NDF: 81.4/67



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.017+/-0.010 χ^2/NDF:1013736.5/16

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.610+/-0.011 χ^2/NDF:1131317.9/15

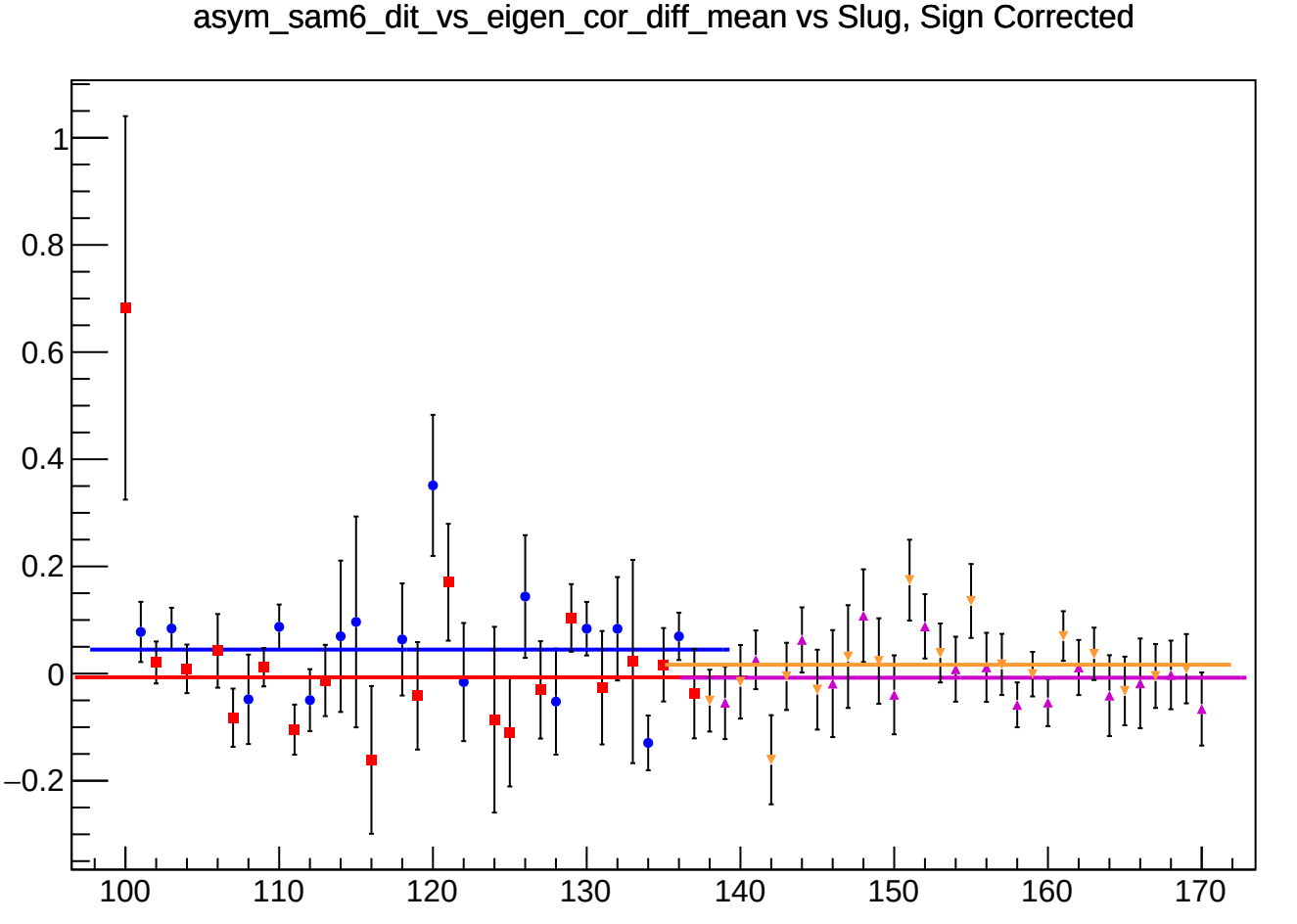
Left: 52.783+/-0.008 χ^2/NDF: 2156299.9/32

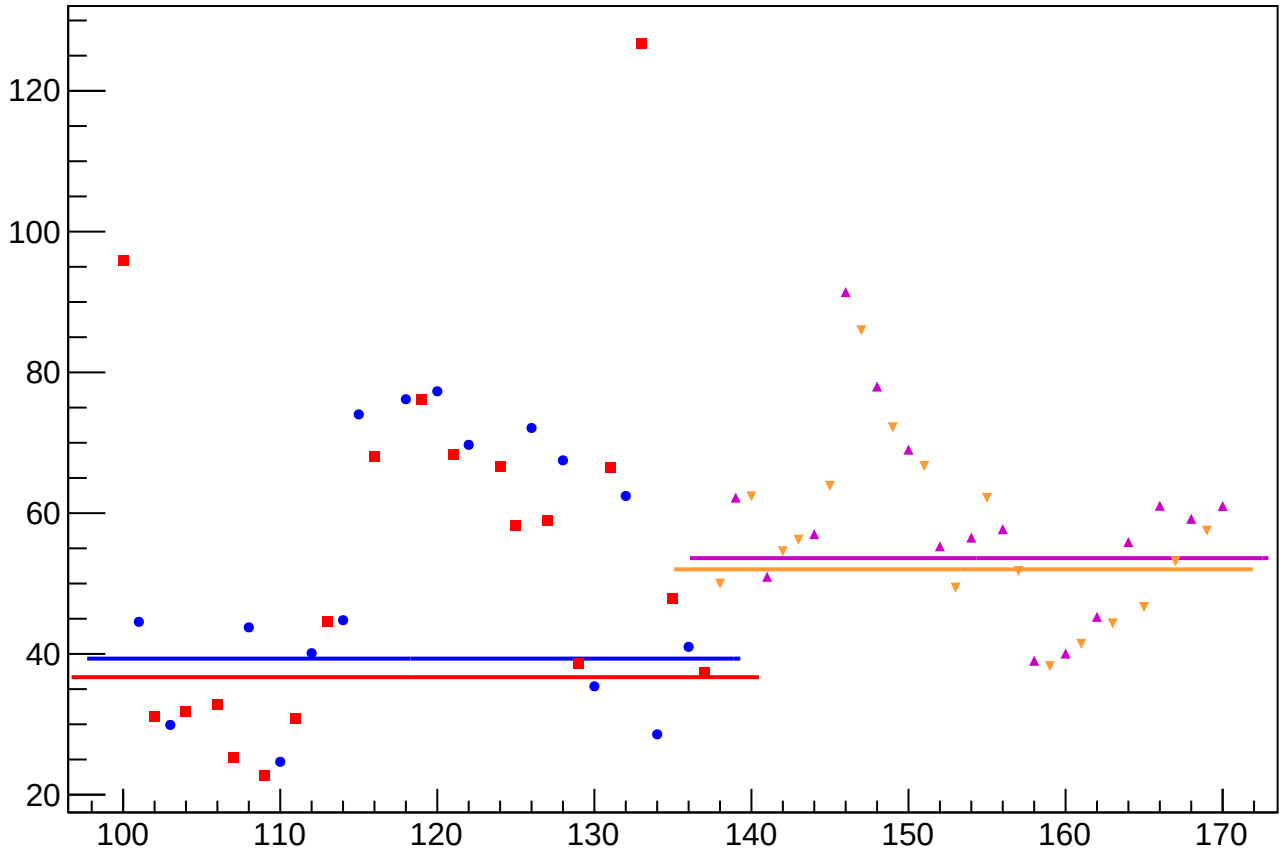
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.799+/-0.008 χ^2/NDF:3528059.7/31

Out: 44.554+/-0.007 χ^2/NDF:4164255.5/35

All: 45.623+/-0.005 χ^2/NDF: 7735445.4/67


asym_sam6_dit_vs_eigen_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: 0.017+/-0.015 χ²/NDF:16.6/16
Right Out: -0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.008+/-0.015 χ²/NDF:10.5/15
Left: 0.005+/-0.011 χ²/NDF: 28.4/32
Right: 0.017+/-0.011 χ²/NDF: 52.3/34
In: 0.017+/-0.011 χ²/NDF:42.8/31
Out: 0.005+/-0.011 χ²/NDF:38.0/35
All: 0.011+/-0.008 χ²/NDF: 81.4/67



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.017+/-0.010 χ^2/NDF:1013736.5/16

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.610+/-0.011 χ^2/NDF:1131317.9/15

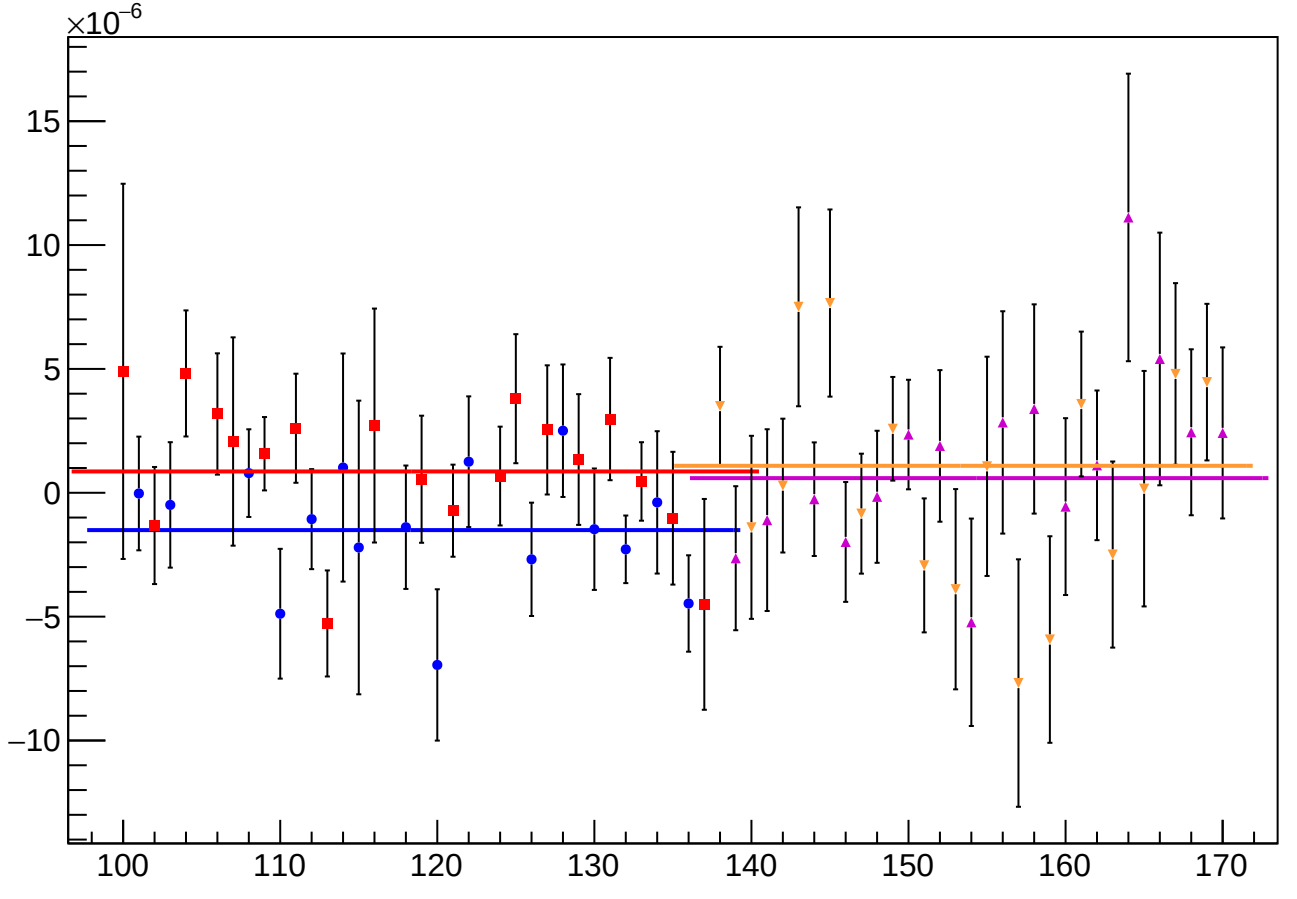
Left: 52.783+/-0.008 χ^2/NDF: 2156299.9/32

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.799+/-0.008 χ^2/NDF:3528059.7/31

Out: 44.554+/-0.007 χ^2/NDF:4164255.5/35

All: 45.623+/-0.005 χ^2/NDF: 7735445.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/15

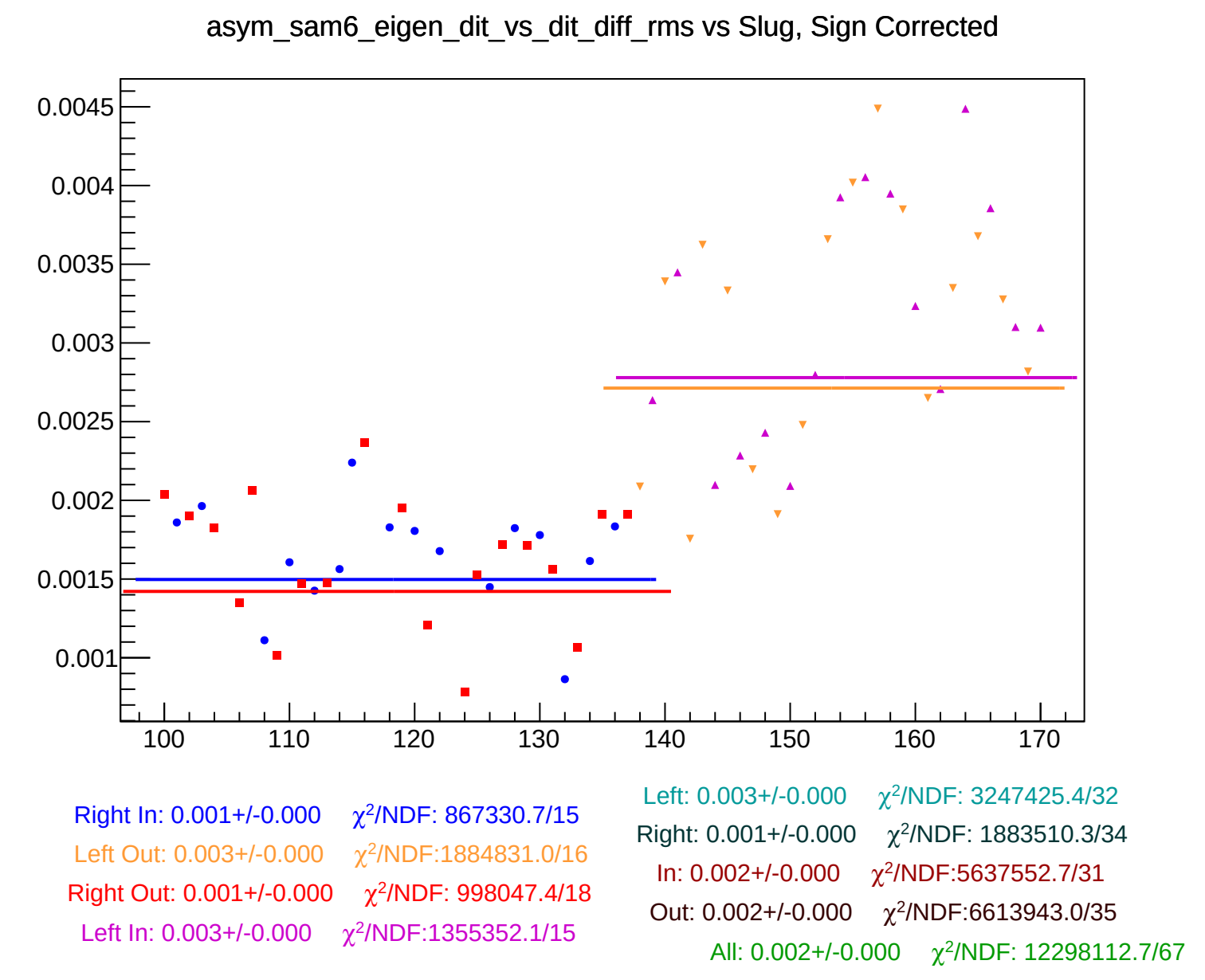
Left: 0.000+/-0.000 χ^2/NDF: 33.1/32

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

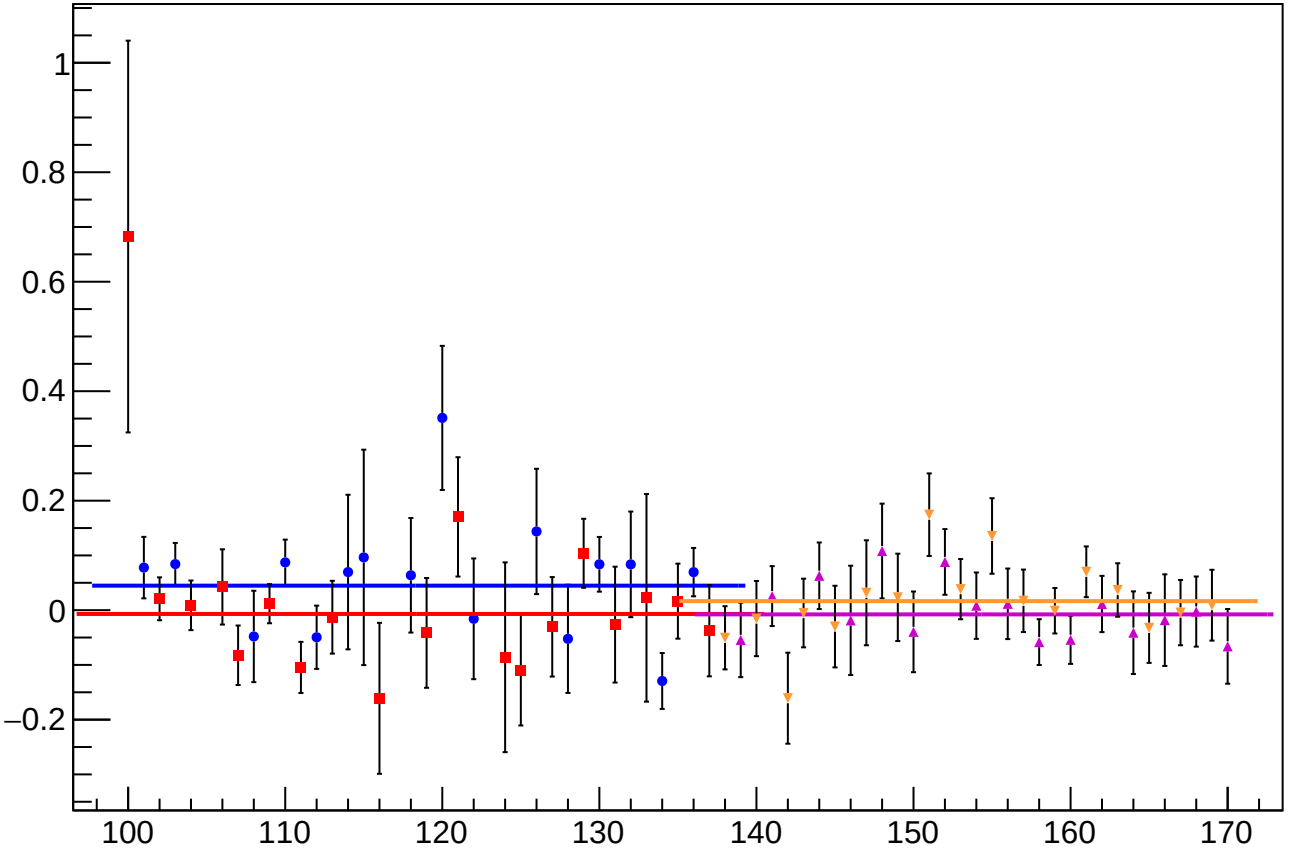
In: -0.000+/-0.000 χ^2/NDF:29.6/31

Out: 0.000+/-0.000 χ^2/NDF:40.9/35

All: 0.000+/-0.000 χ^2/NDF: 77.5/67


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:1884831.0/16
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1355352.1/15
Left: 0.003+/-0.000 χ²/NDF: 3247425.4/32
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5637552.7/31
Out: 0.002+/-0.000 χ²/NDF:6613943.0/35
All: 0.002+/-0.000 χ²/NDF: 12298112.7/67

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/16

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.5/15

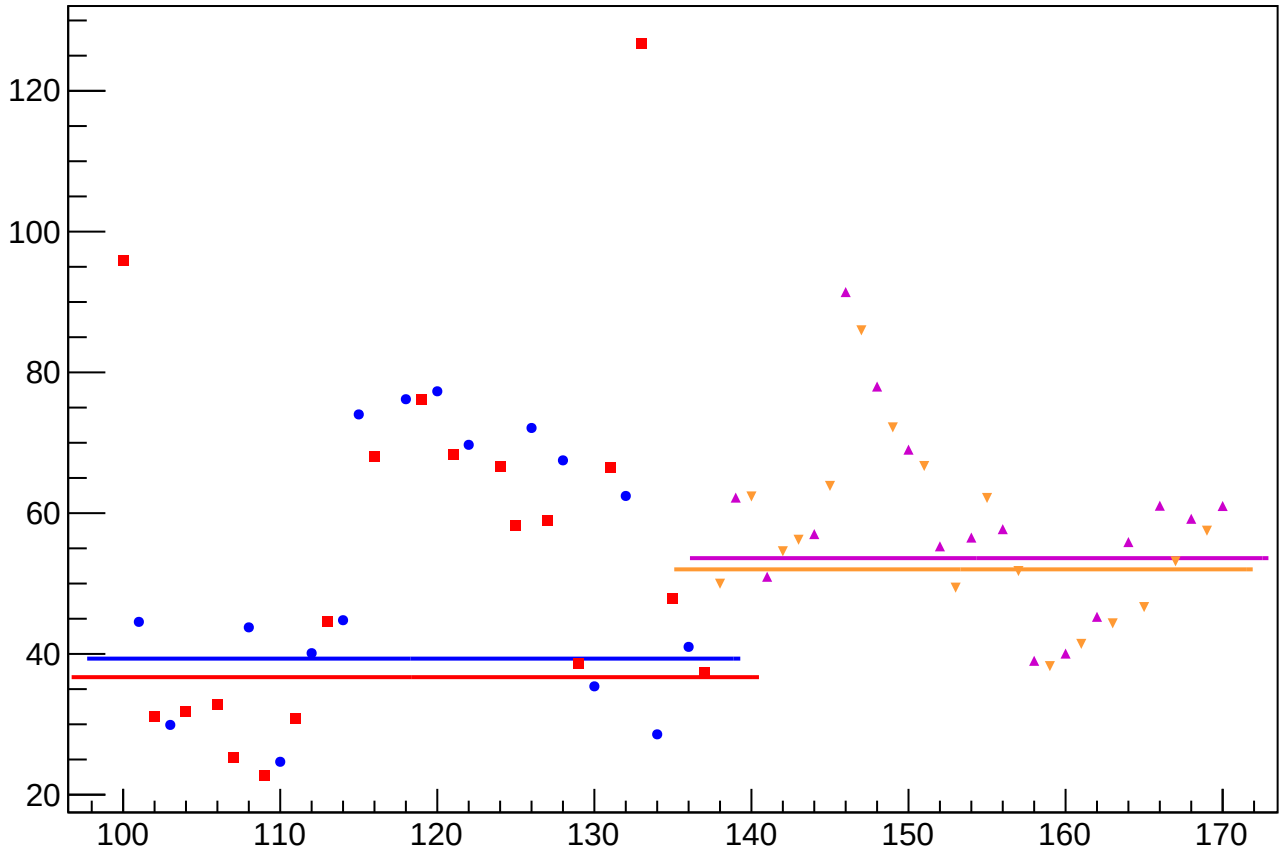
Left: 0.005+/-0.011 χ^2/NDF: 28.4/32

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.005+/-0.011 χ^2/NDF:38.0/35

All: 0.011+/-0.008 χ^2/NDF: 81.4/67



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.016+/-0.010 χ^2/NDF:1013811.2/16

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.608+/-0.011 χ^2/NDF:1131441.9/15

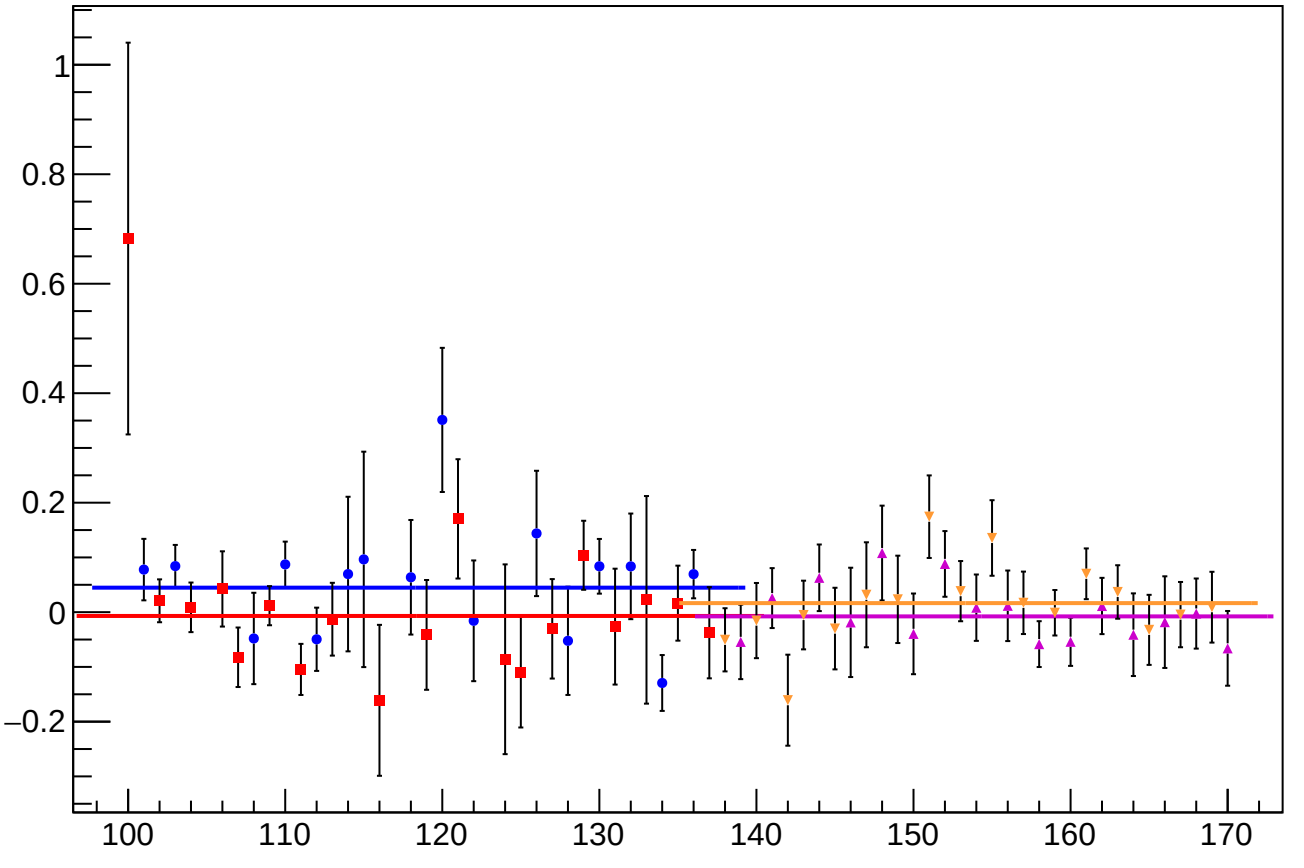
Left: 52.782+/-0.008 χ^2/NDF: 2156496.6/32

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.798+/-0.008 χ^2/NDF:3528145.4/31

Out: 44.553+/-0.007 χ^2/NDF:4164235.9/35

All: 45.622+/-0.005 χ^2/NDF: 7735502.6/67



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.017+/-0.015 χ^2/NDF:16.6/16

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.5/15

Left: 0.005+/-0.011 χ^2/NDF: 28.4/32

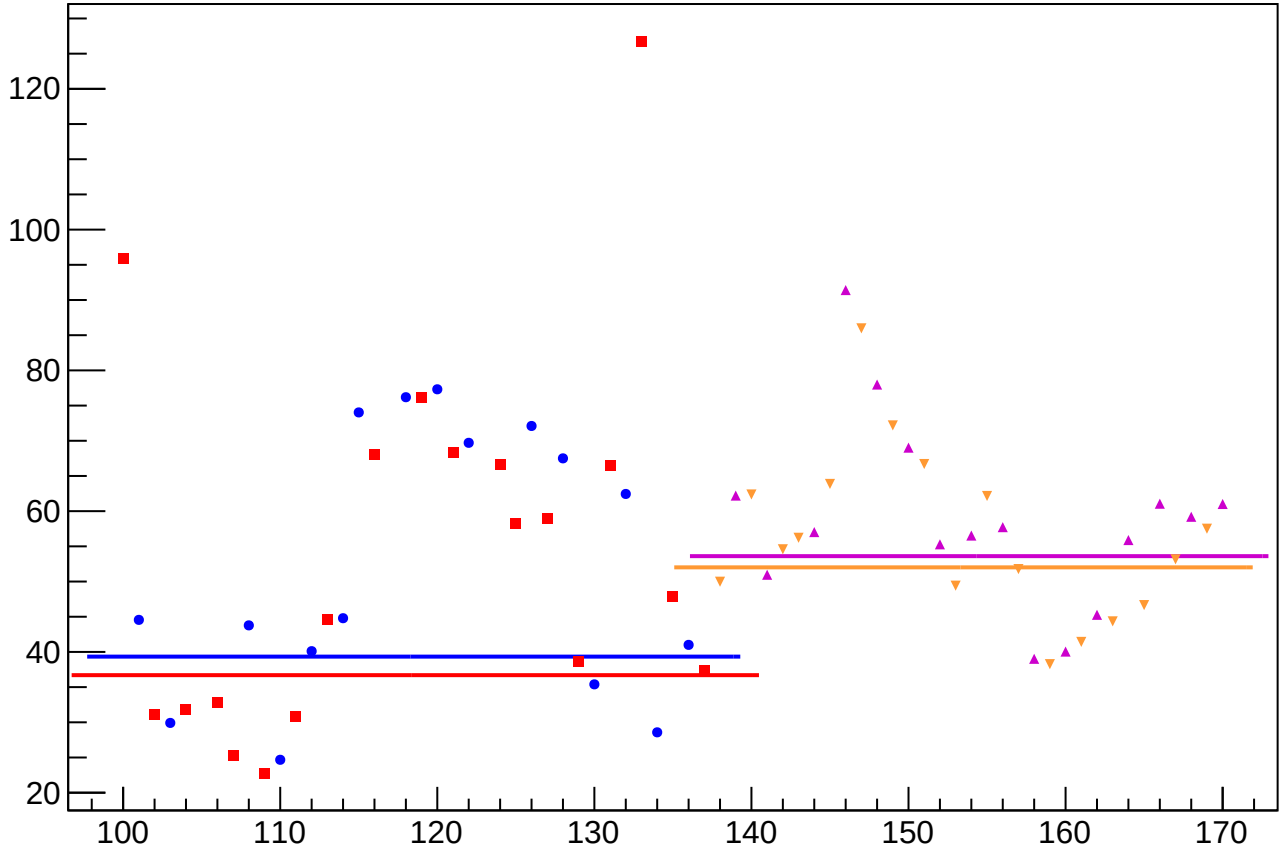
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.005+/-0.011 χ^2/NDF:38.0/35

All: 0.011+/-0.008 χ^2/NDF: 81.4/67

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.016+/-0.010 χ^2/NDF:1013811.2/16

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.608+/-0.011 χ^2/NDF:1131441.9/15

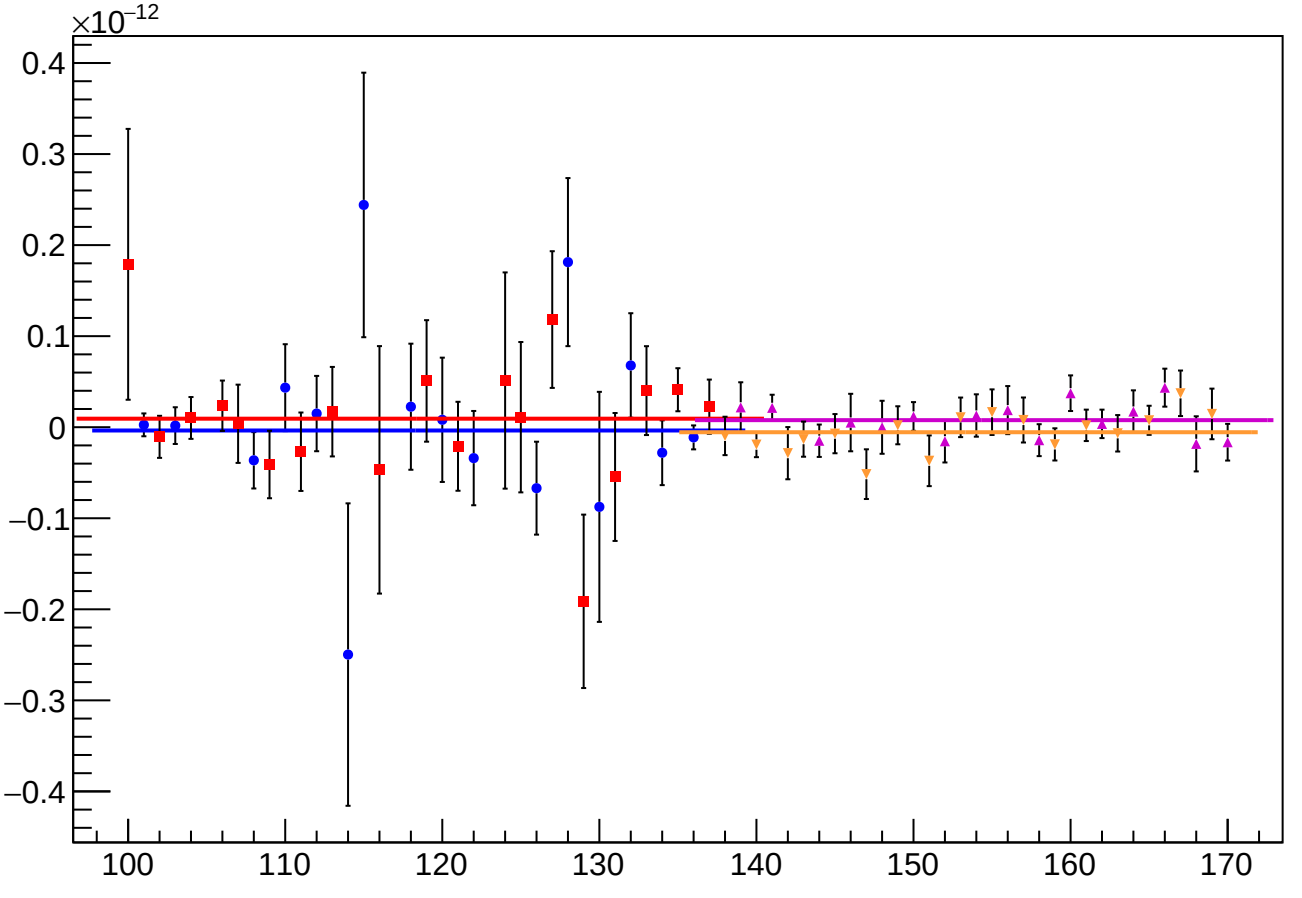
Left: 52.782+/-0.008 χ^2/NDF: 2156496.6/32

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.798+/-0.008 χ^2/NDF:3528145.4/31

Out: 44.553+/-0.007 χ^2/NDF:4164235.9/35

All: 45.622+/-0.005 χ^2/NDF: 7735502.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/15

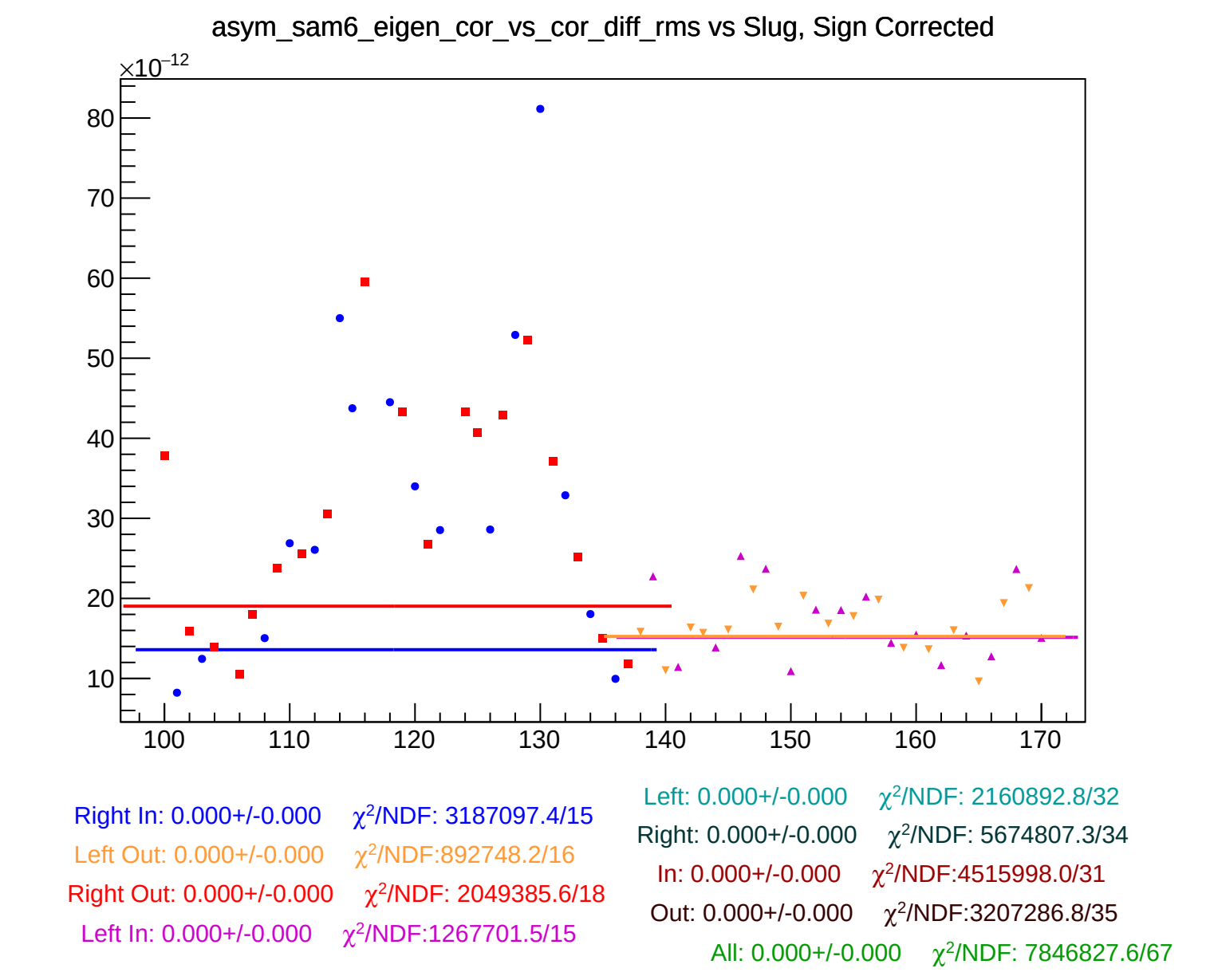
Left: 0.000+/-0.000 χ^2/NDF: 29.3/32

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

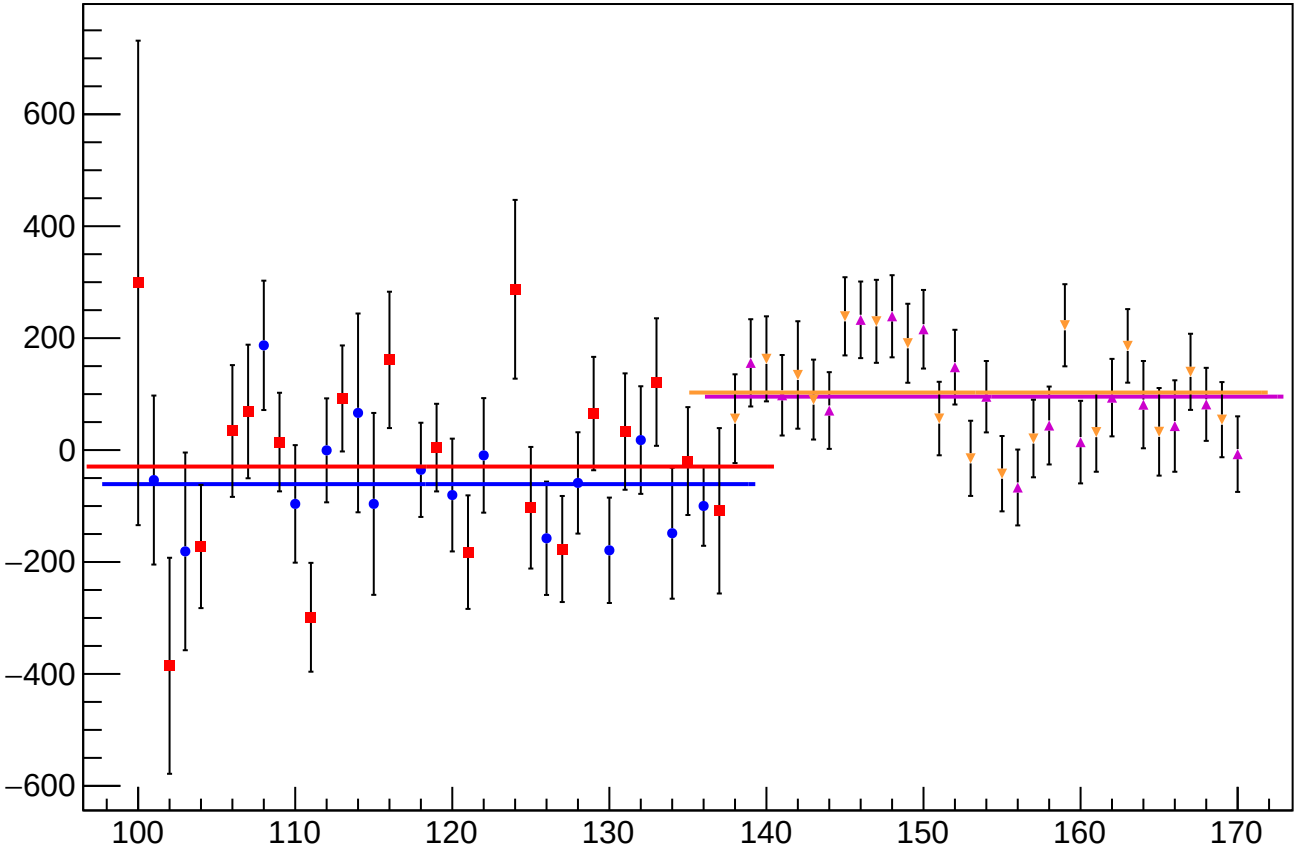
In: 0.000+/-0.000 χ^2/NDF:31.5/31

Out: -0.000+/-0.000 χ^2/NDF:30.4/35

All: 0.000+/-0.000 χ^2/NDF: 62.9/67


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:892748.2/16
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1267701.5/15
Left: 0.000+/-0.000 χ²/NDF: 2160892.8/32
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4515998.0/31
Out: 0.000+/-0.000 χ²/NDF:3207286.8/35
All: 0.000+/-0.000 χ²/NDF: 7846827.6/67

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.814+/-17.343 χ^2/NDF:25.9/16

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 95.491+/-17.602 χ^2/NDF:22.5/15

Left: 99.207+/-12.354 χ^2/NDF: 48.5/32

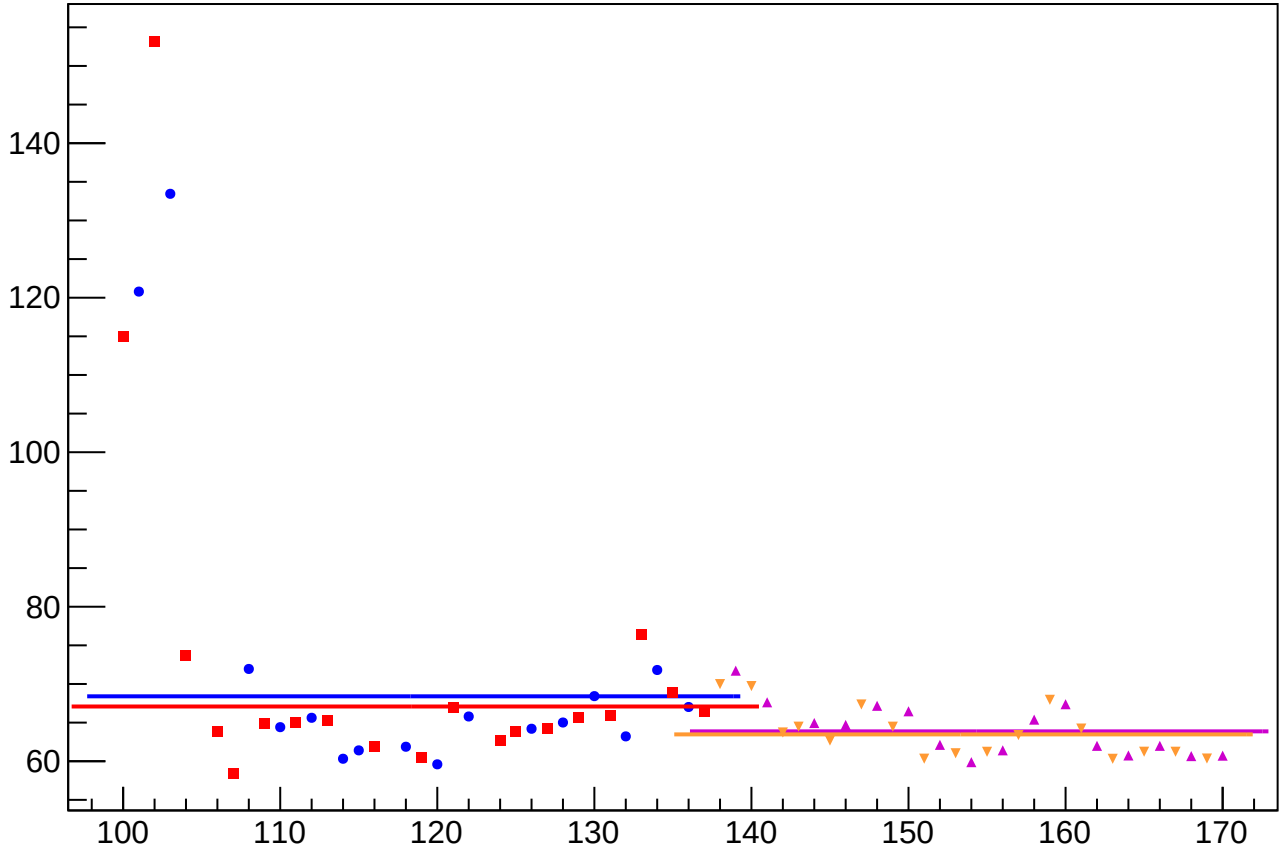
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 46.497+/-14.585 χ^2/NDF:57.7/31

Out: 60.084+/-14.269 χ^2/NDF:75.9/35

All: 53.439+/-10.200 χ^2/NDF: 134.1/67

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.475+/-0.012 χ^2/NDF:63459.3/16

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

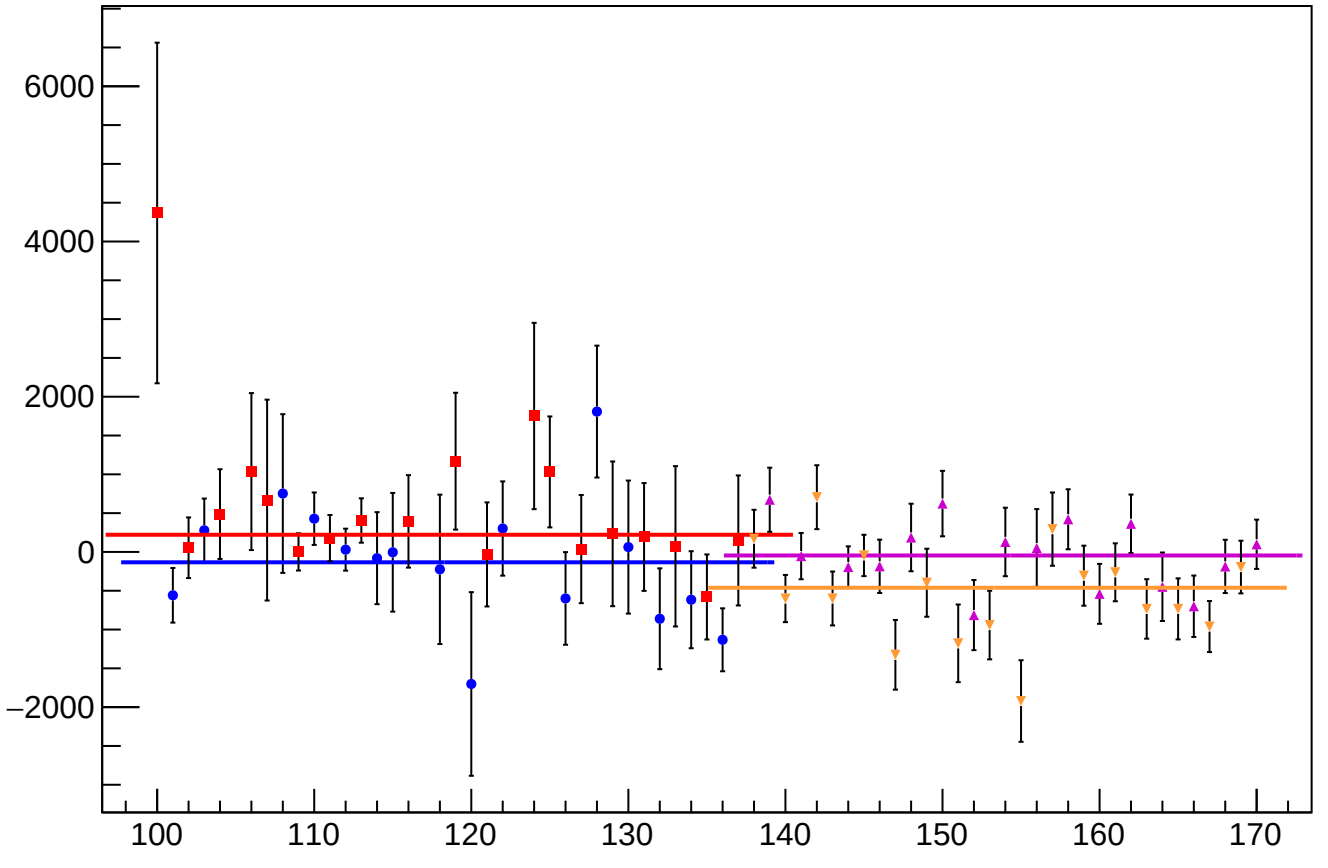
Left: 63.668+/-0.009 χ^2/NDF: 129497.2/32

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.289+/-0.010 χ^2/NDF:676721.8/31

Out: 64.642+/-0.010 χ^2/NDF:573277.8/35

All: 64.958+/-0.007 χ^2/NDF: 1252010.9/67



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -461.407+/-91.766 χ^2/NDF:35.3/16

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -45.559+/-93.268 χ^2/NDF:17.6/15

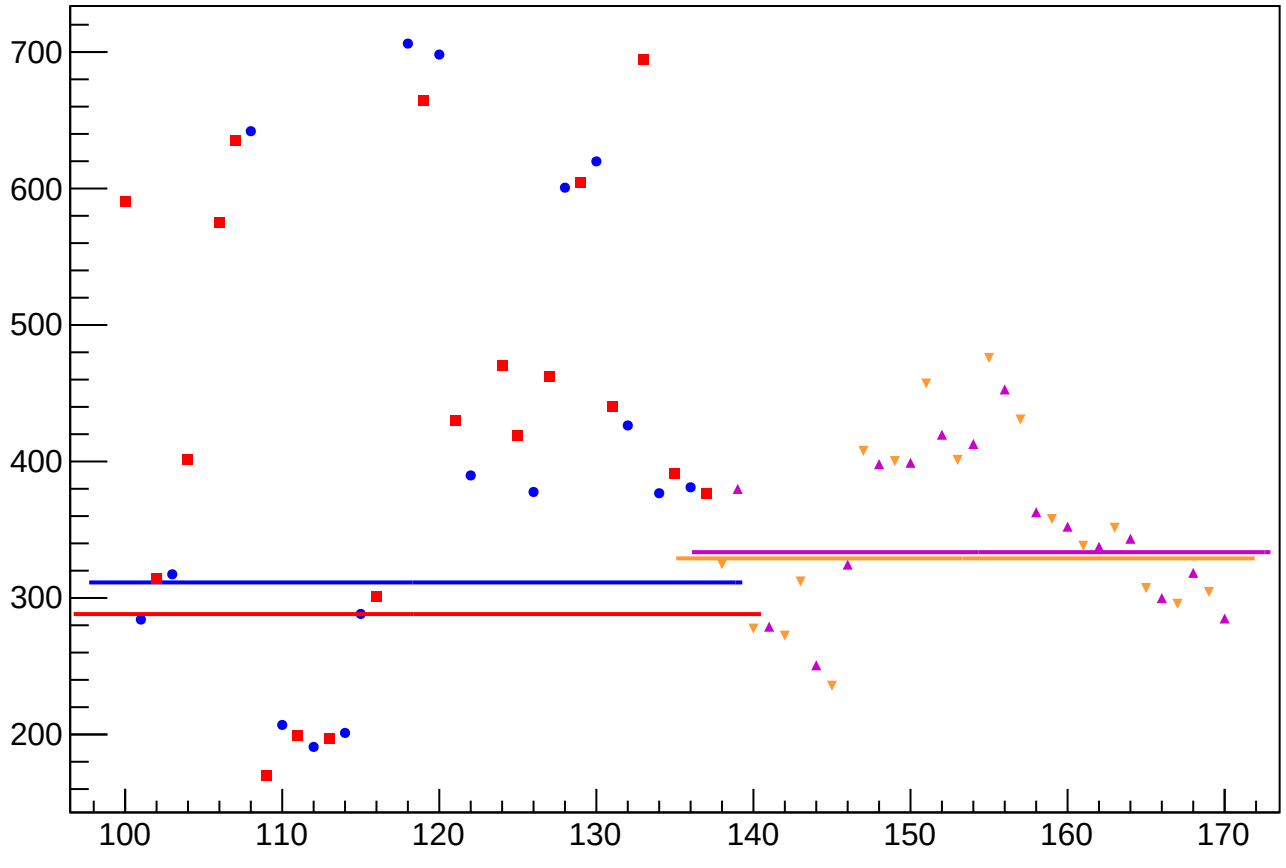
Left: -256.857+/-65.413 χ^2/NDF: 63.0/32

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -76.751+/-74.944 χ^2/NDF:40.4/31

Out: -203.519+/-72.389 χ^2/NDF:68.7/35

All: -142.333+/-52.067 χ^2/NDF: 110.6/67



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 329.013+/-0.065 χ^2/NDF:949956.4/16

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 333.580+/-0.066 χ^2/NDF:711826.8/15

Left: 331.259+/-0.046 χ^2/NDF: 1664220.2/32

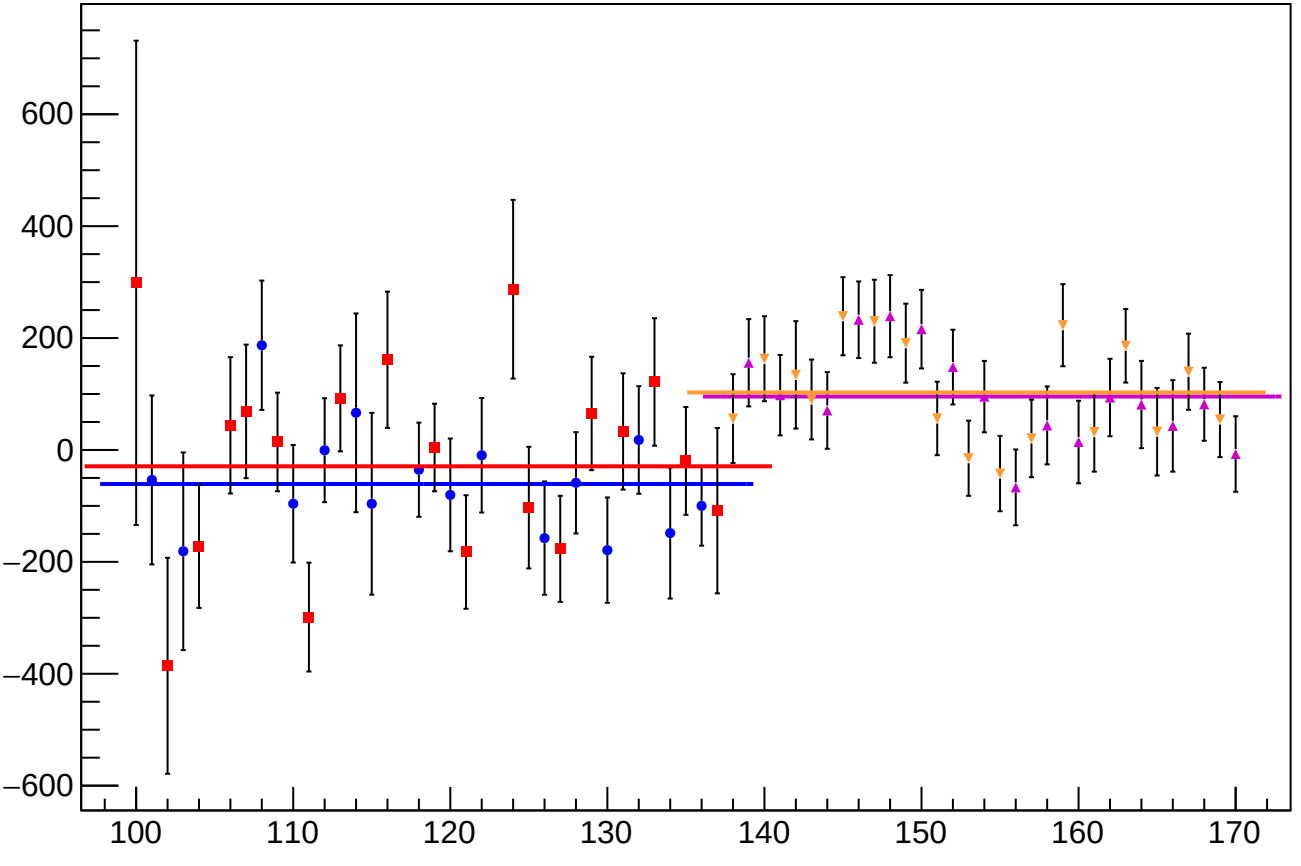
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 325.716+/-0.053 χ^2/NDF:2875751.3/31

Out: 313.598+/-0.051 χ^2/NDF:3814731.8/35

All: 319.447+/-0.037 χ^2/NDF: 6717534.1/67

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.815+/-17.343 χ^2/NDF:25.9/16

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 95.489+/-17.602 χ^2/NDF:22.5/15

Left: 99.207+/-12.354 χ^2/NDF: 48.5/32

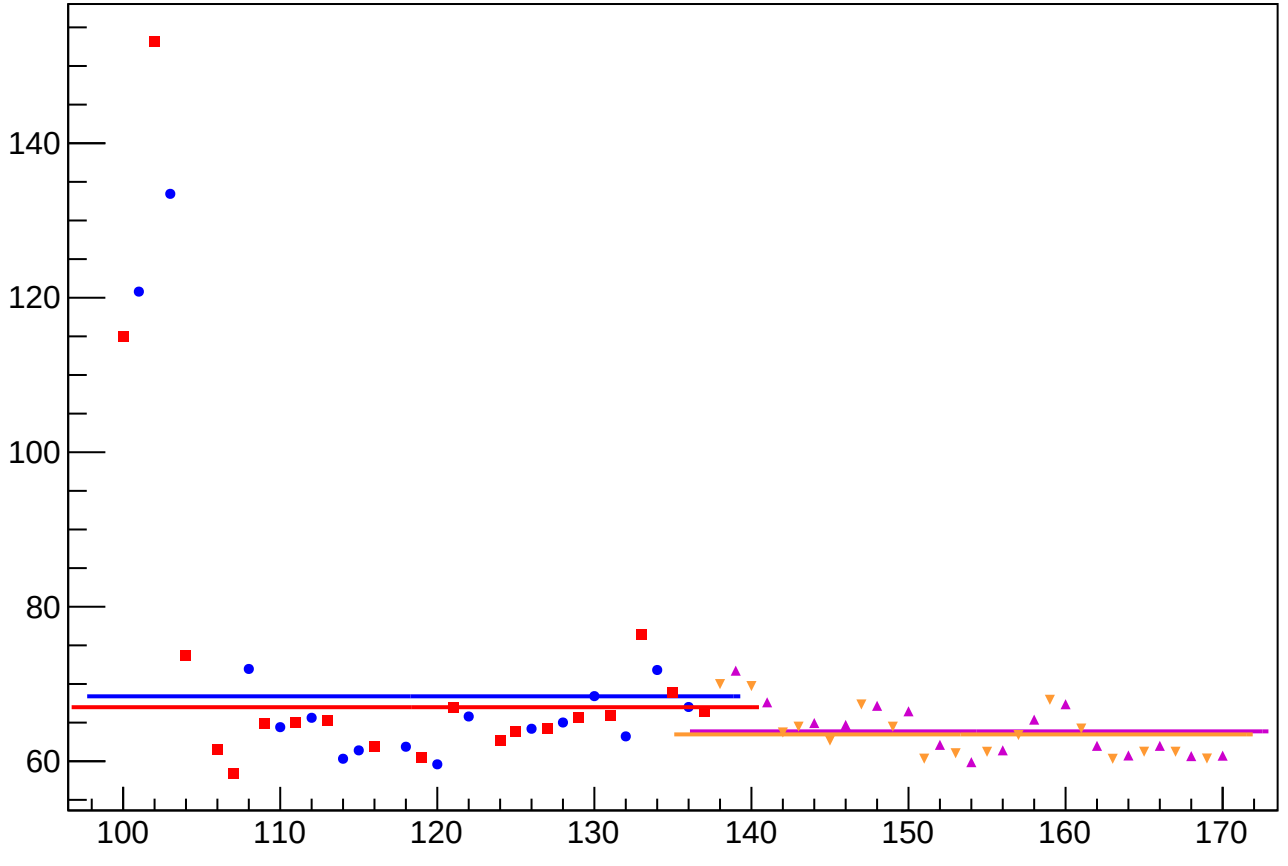
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.495+/-14.585 χ^2/NDF:57.7/31

Out: 60.247+/-14.276 χ^2/NDF:75.9/35

All: 53.518+/-10.202 χ^2/NDF: 134.1/67

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.475+/-0.012 χ^2/NDF:63459.3/16

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

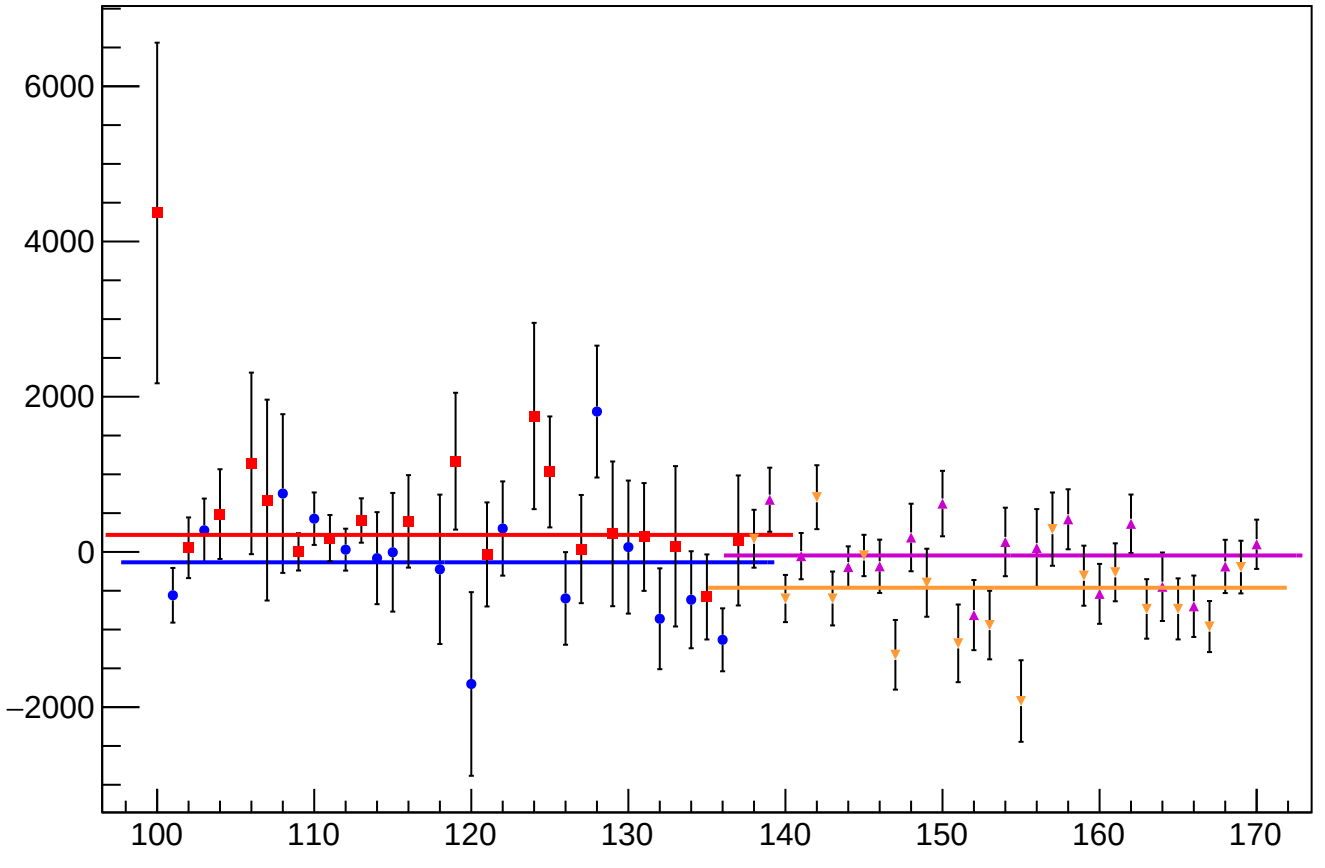
Left: 63.668+/-0.009 χ^2/NDF: 129497.2/32

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.289+/-0.010 χ^2/NDF:676722.2/31

Out: 64.610+/-0.010 χ^2/NDF:574501.0/35

All: 64.942+/-0.007 χ^2/NDF: 1253435.6/67



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -461.407+/-91.766 χ^2/NDF:35.3/16

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -45.564+/-93.268 χ^2/NDF:17.6/15

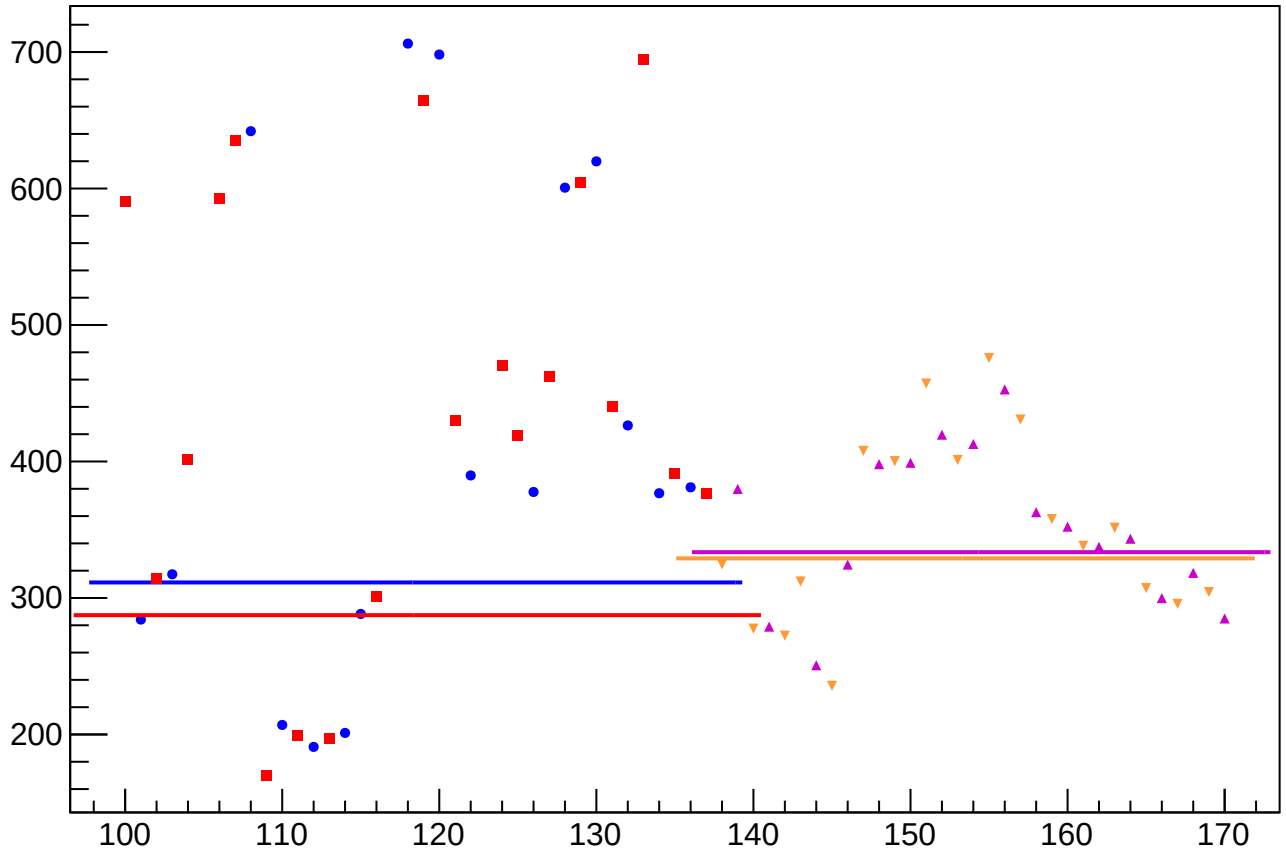
Left: -256.860+/-65.413 χ^2/NDF: 63.0/32

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -76.752+/-74.944 χ^2/NDF:40.4/31

Out: -204.726+/-72.437 χ^2/NDF:68.6/35

All: -142.916+/-52.085 χ^2/NDF: 110.5/67



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 329.013+/-0.065 χ^2/NDF:949960.6/16

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 333.580+/-0.066 χ^2/NDF:711826.4/15

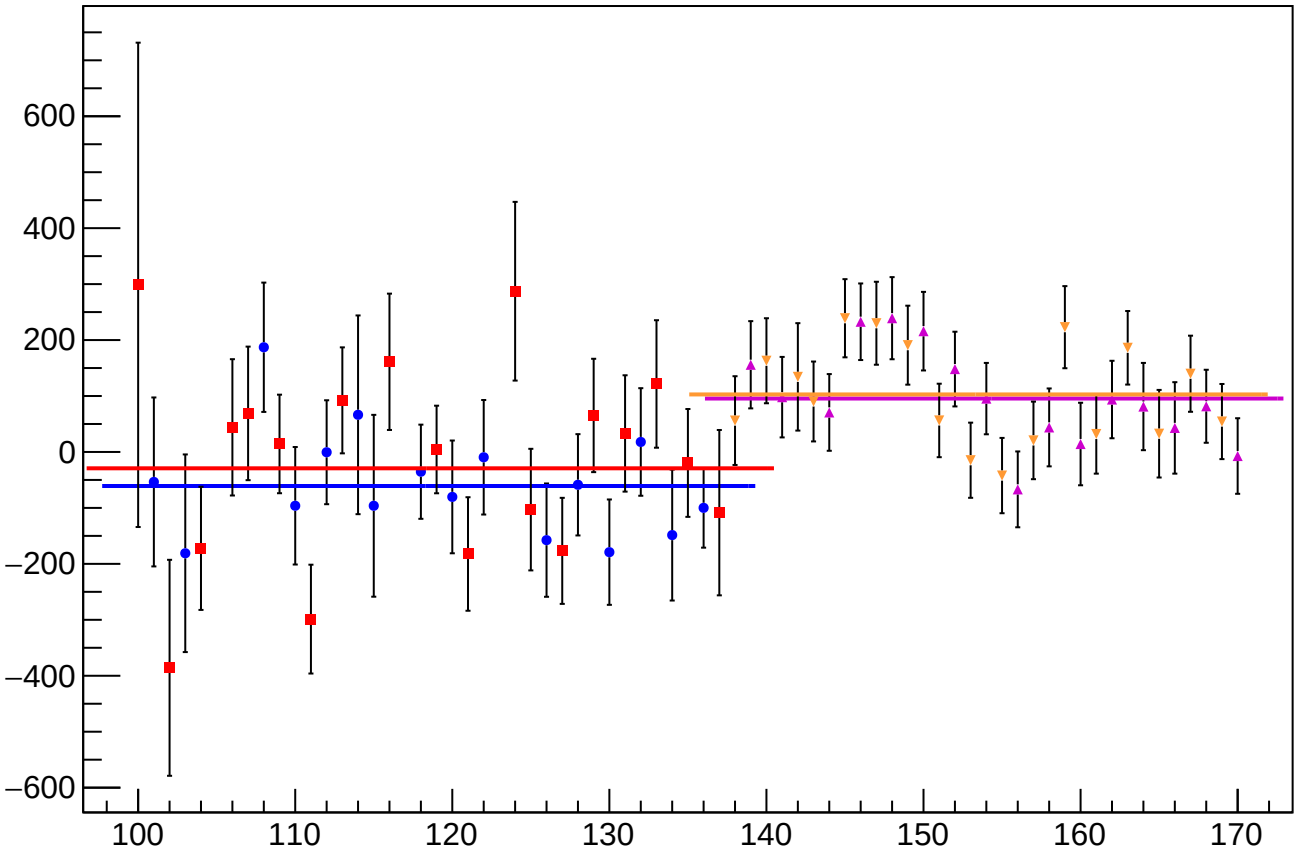
Left: 331.259+/-0.046 χ^2/NDF: 1664224.3/32

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 325.717+/-0.053 χ^2/NDF:2875745.5/31

Out: 313.333+/-0.051 χ^2/NDF:3795126.5/35

All: 319.315+/-0.037 χ^2/NDF: 6699104.0/67



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 102.815+/-17.343 χ^2/NDF:25.9/16

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 95.489+/-17.602 χ^2/NDF:22.5/15

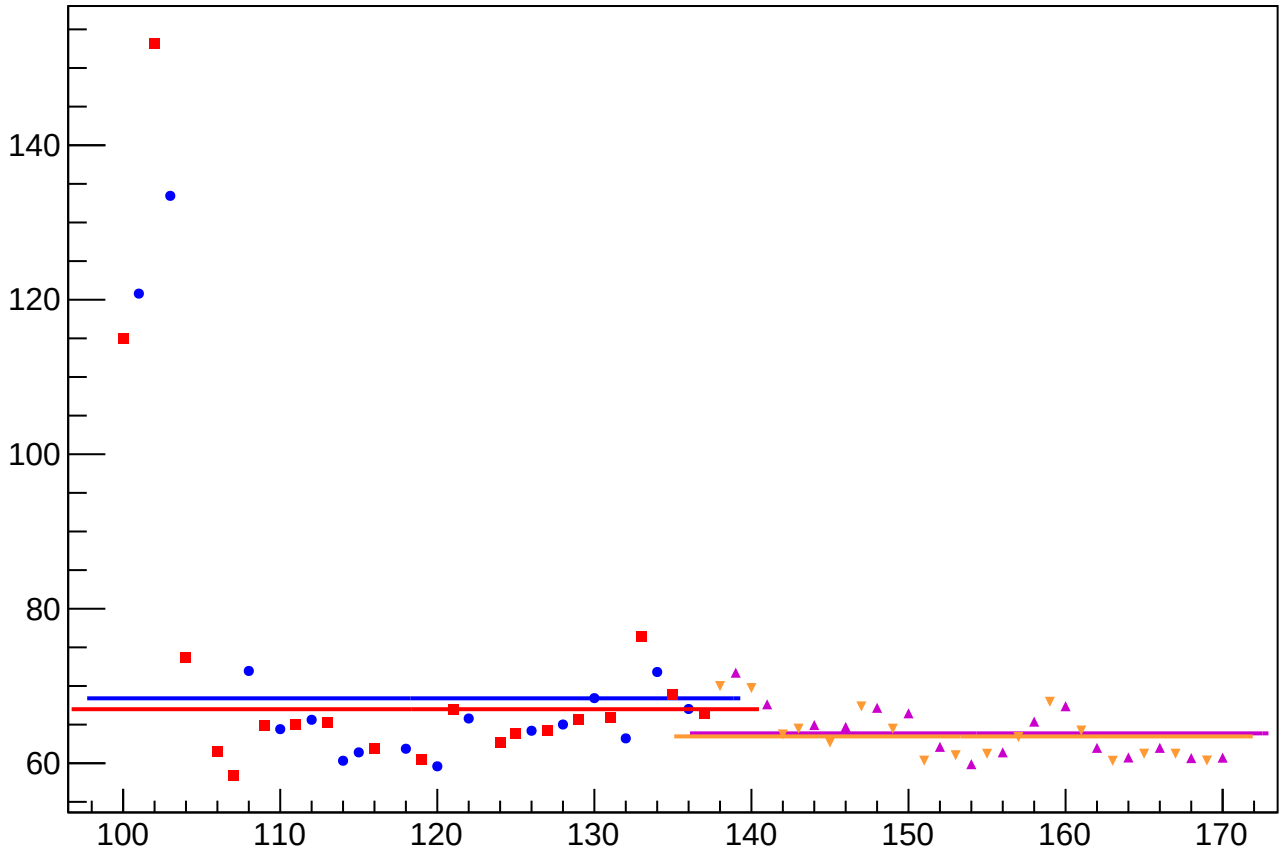
Left: 99.207+/-12.354 χ^2/NDF: 48.5/32

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.495+/-14.585 χ^2/NDF:57.7/31

Out: 60.247+/-14.276 χ^2/NDF:75.9/35

All: 53.518+/-10.202 χ^2/NDF: 134.1/67



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.475+/-0.012 χ^2/NDF:63459.3/16

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

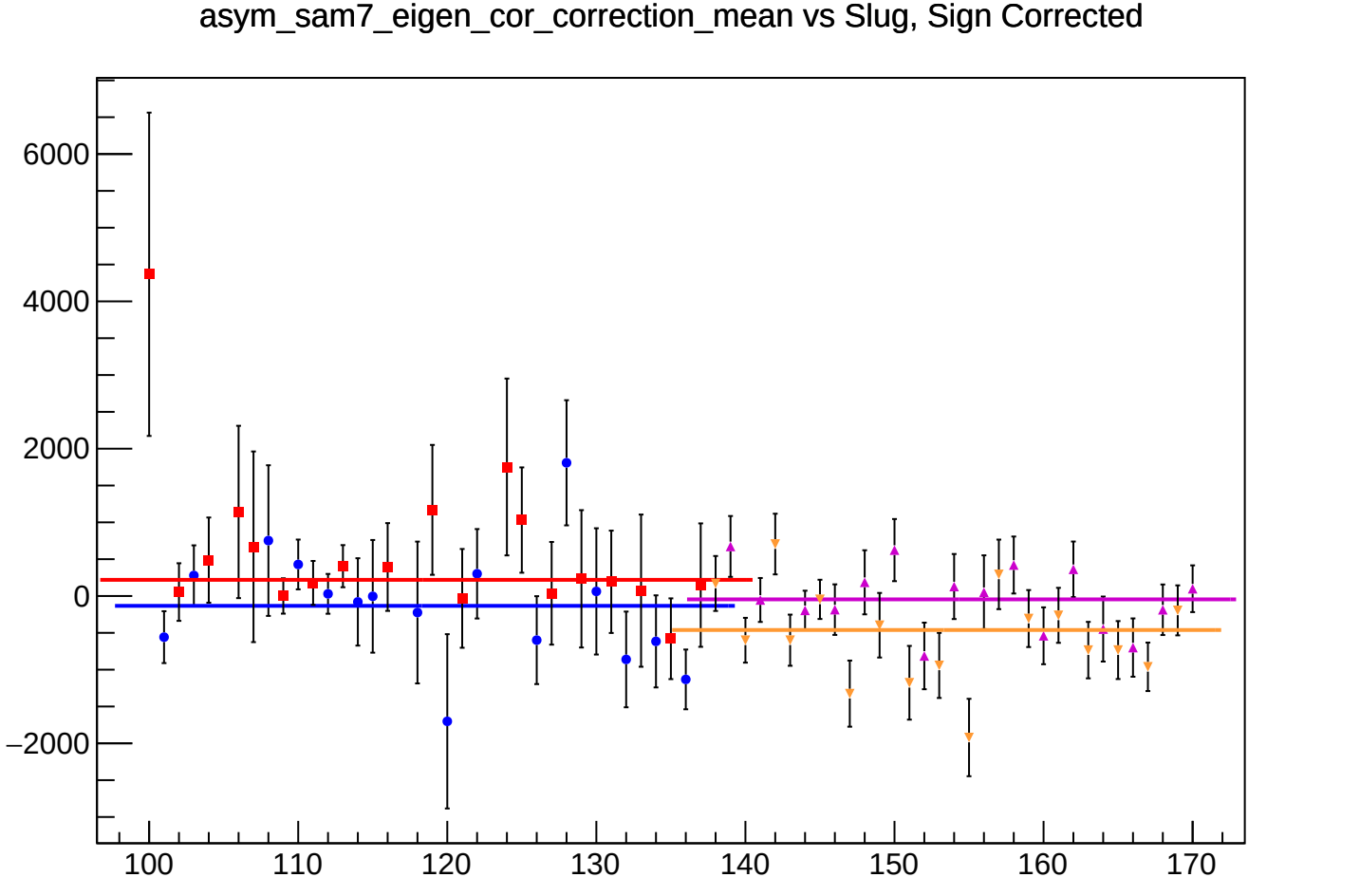
Left: 63.668+/-0.009 χ^2/NDF: 129497.2/32

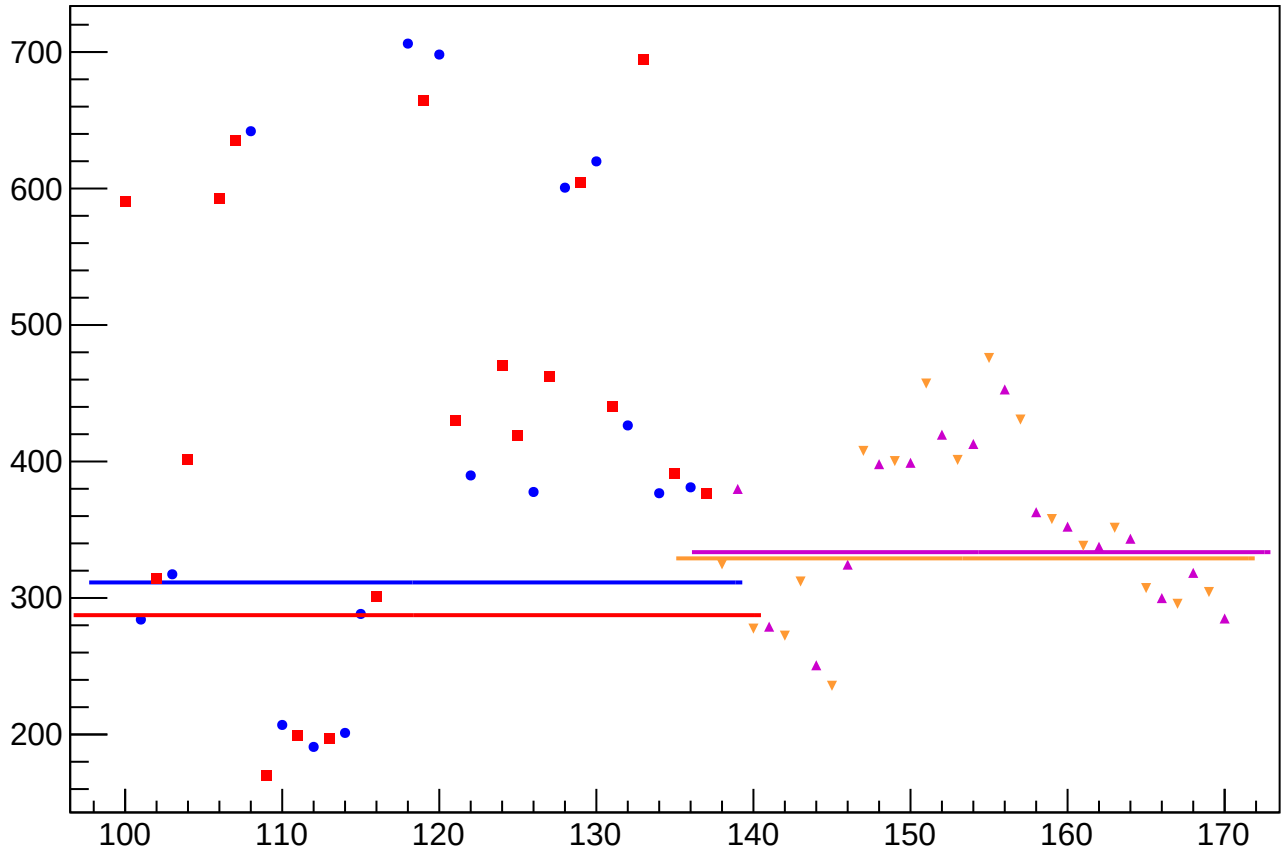
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.289+/-0.010 χ^2/NDF:676722.2/31

Out: 64.610+/-0.010 χ^2/NDF:574501.0/35

All: 64.942+/-0.007 χ^2/NDF: 1253435.6/67


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -133.587+/-125.904 χ²/NDF: 22.5/15
Left Out: -461.407+/-91.766 χ²/NDF:35.3/16
Right Out: 219.615+/-117.989 χ²/NDF: 12.5/18
Left In: -45.564+/-93.268 χ²/NDF:17.6/15
Left: -256.860+/-65.413 χ²/NDF: 63.0/32
Right: 54.464+/-86.093 χ²/NDF: 39.2/34
In: -76.752+/-74.944 χ²/NDF:40.4/31
Out: -204.726+/-72.437 χ²/NDF:68.6/35
All: -142.916+/-52.085 χ²/NDF: 110.5/67



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 329.013+/-0.065 χ^2/NDF:949960.6/16

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 333.580+/-0.066 χ^2/NDF:711826.4/15

Left: 331.259+/-0.046 χ^2/NDF: 1664224.3/32

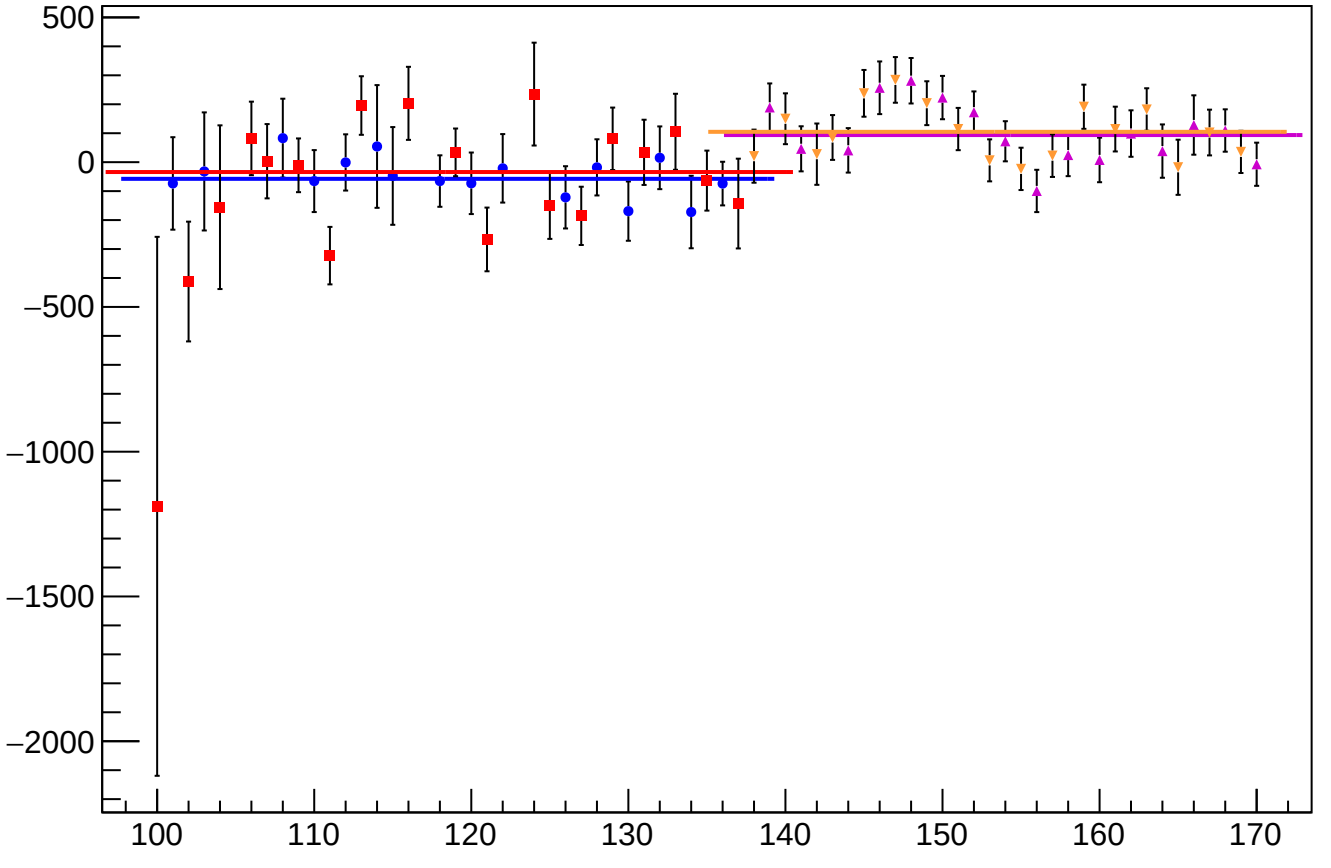
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 325.717+/-0.053 χ^2/NDF:2875745.5/31

Out: 313.333+/-0.051 χ^2/NDF:3795126.5/35

All: 319.315+/-0.037 χ^2/NDF: 6699104.0/67

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.827+/-19.153 χ^2/NDF:22.4/16

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 93.653+/-19.529 χ^2/NDF:26.9/15

Left: 99.348+/-13.674 χ^2/NDF: 49.5/32

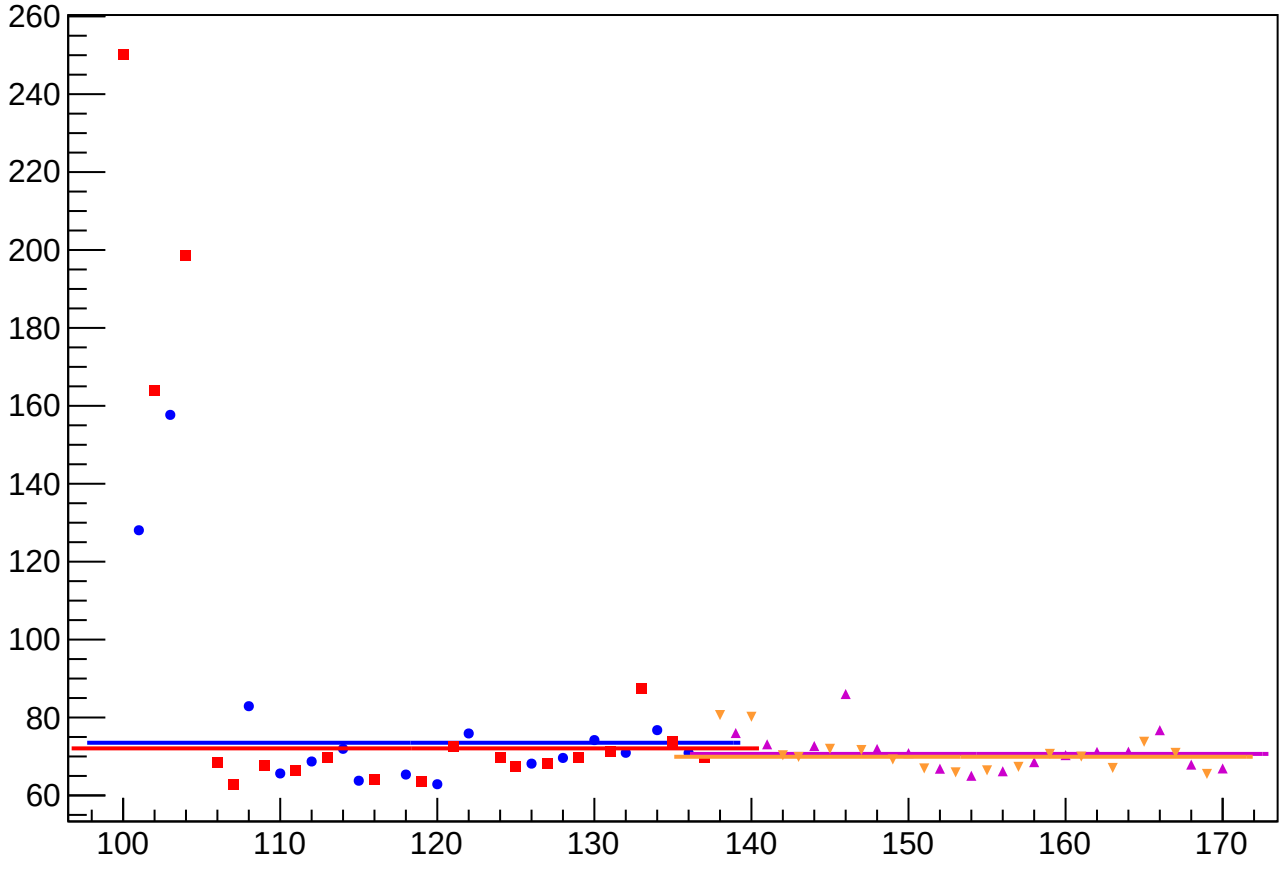
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 44.384+/-16.034 χ^2/NDF:51.3/31

Out: 59.242+/-15.698 χ^2/NDF:76.8/35

All: 51.970+/-11.217 χ^2/NDF: 128.5/67

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 69.923+/-0.014 χ^2/NDF:87627.9/16

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.655+/-0.014 χ^2/NDF:112287.0/15

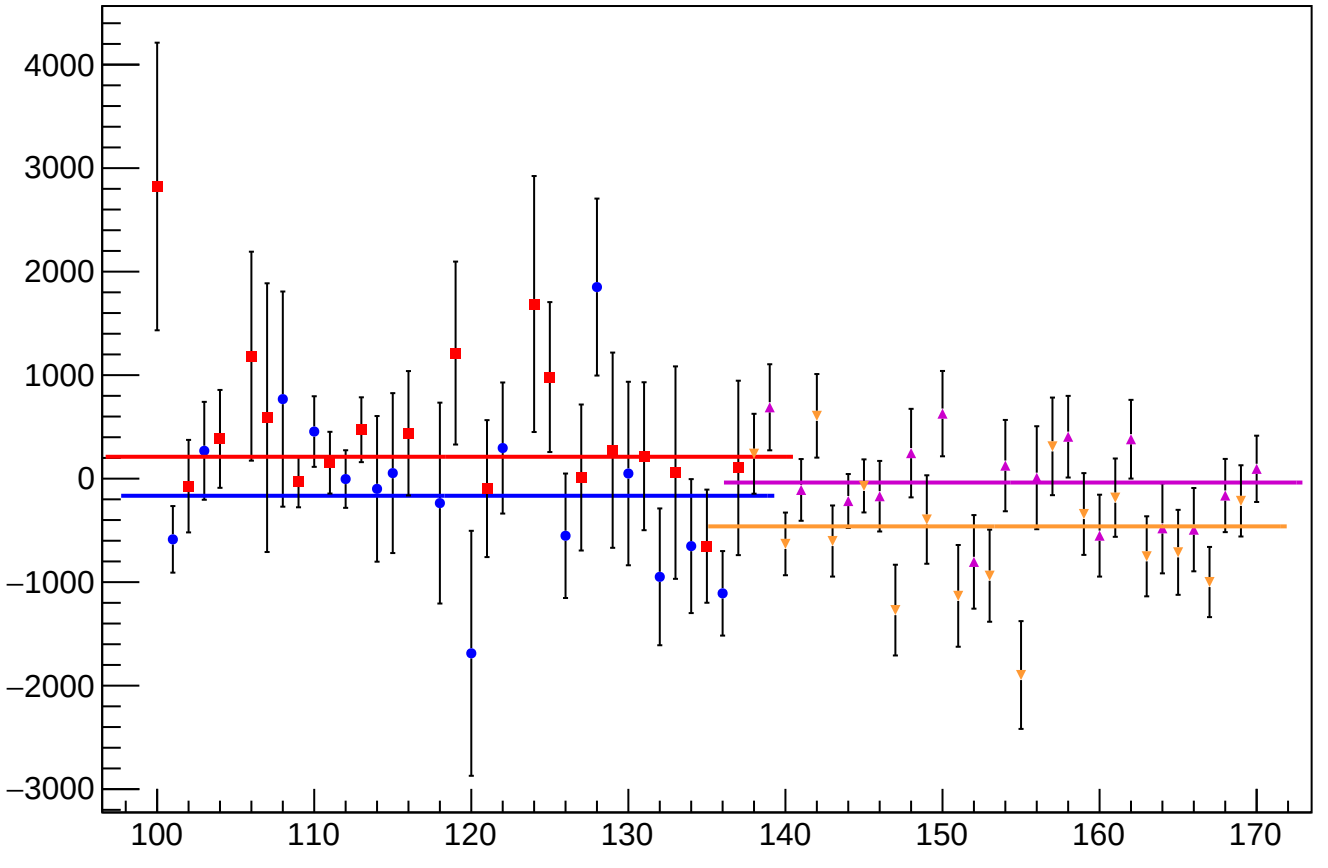
Left: 70.282+/-0.010 χ^2/NDF: 201348.6/32

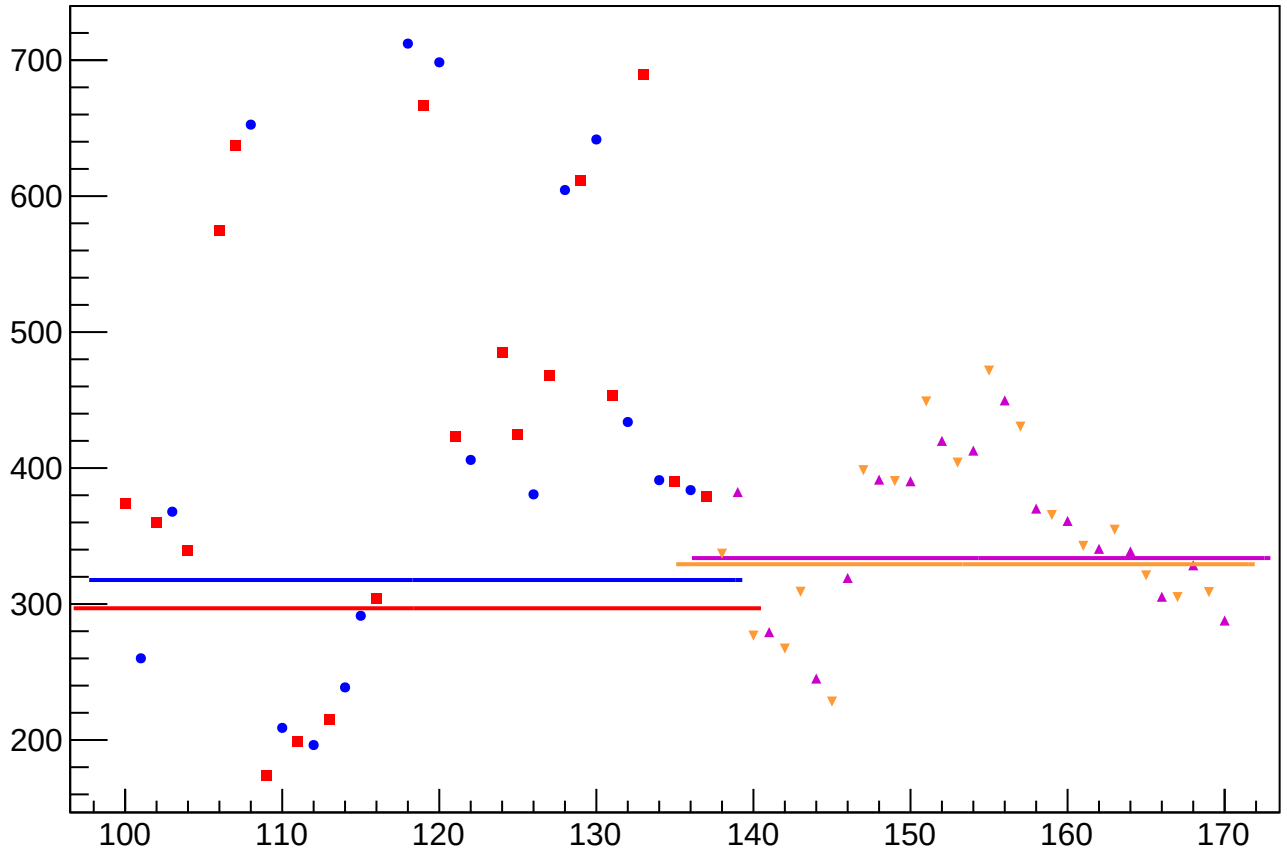
Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.589+/-0.011 χ^2/NDF:783150.7/31

Out: 70.629+/-0.011 χ^2/NDF:1054403.8/35

All: 71.099+/-0.008 χ^2/NDF: 1841211.2/67


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -461.238+/-91.805 χ²/NDF:34.4/16
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: -37.681+/-93.380 χ²/NDF:16.6/15
Left: -253.062+/-65.466 χ²/NDF: 61.5/32
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: -81.881+/-75.528 χ²/NDF:39.8/31
Out: -213.236+/-72.942 χ²/NDF:67.8/35
All: -149.846+/-52.468 χ²/NDF: 109.2/67



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 329.279+/-0.065 χ^2/NDF:979023.8/16

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 333.794+/-0.066 χ^2/NDF:727198.6/15

Left: 331.498+/-0.046 χ^2/NDF: 1708599.7/32

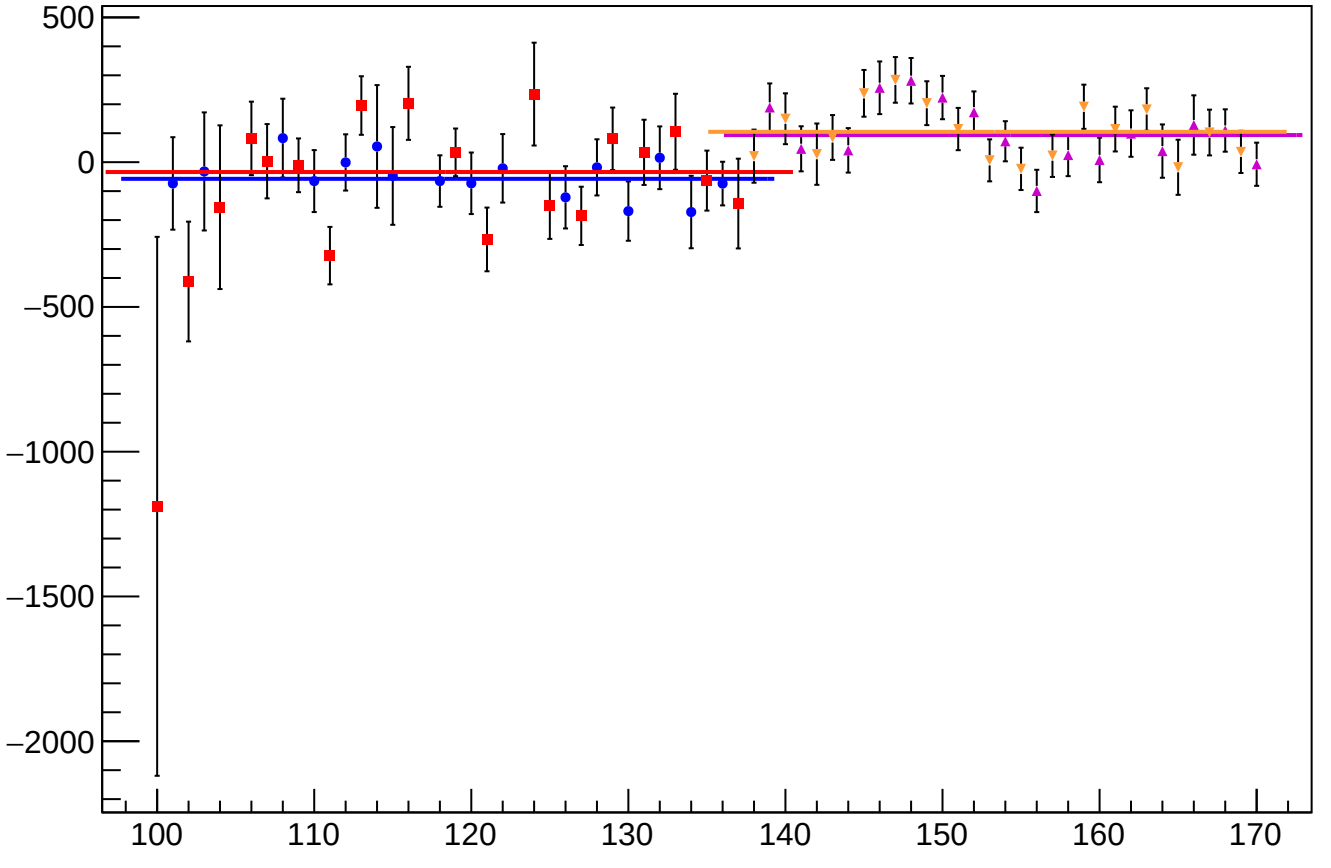
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 328.216+/-0.053 χ^2/NDF:2884027.4/31

Out: 317.336+/-0.052 χ^2/NDF:3611866.7/35

All: 322.586+/-0.037 χ^2/NDF: 6517369.8/67

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.827+/-19.153 χ^2/NDF:22.4/16

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 93.653+/-19.529 χ^2/NDF:26.9/15

Left: 99.348+/-13.674 χ^2/NDF: 49.5/32

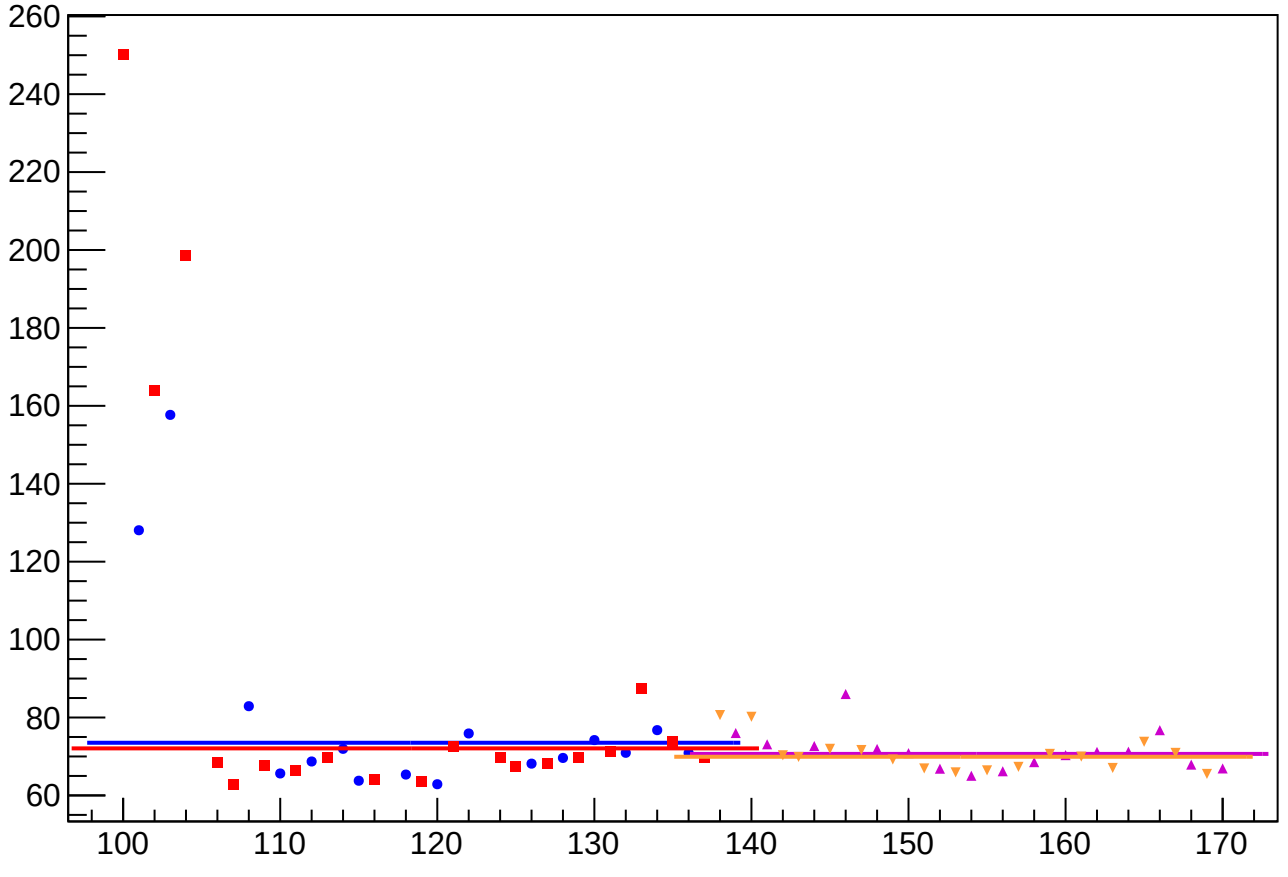
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 44.383+/-16.034 χ^2/NDF:51.3/31

Out: 59.242+/-15.698 χ^2/NDF:76.8/35

All: 51.970+/-11.217 χ^2/NDF: 128.5/67

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 69.923+/-0.014 χ^2/NDF:87626.9/16

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.655+/-0.014 χ^2/NDF:112286.7/15

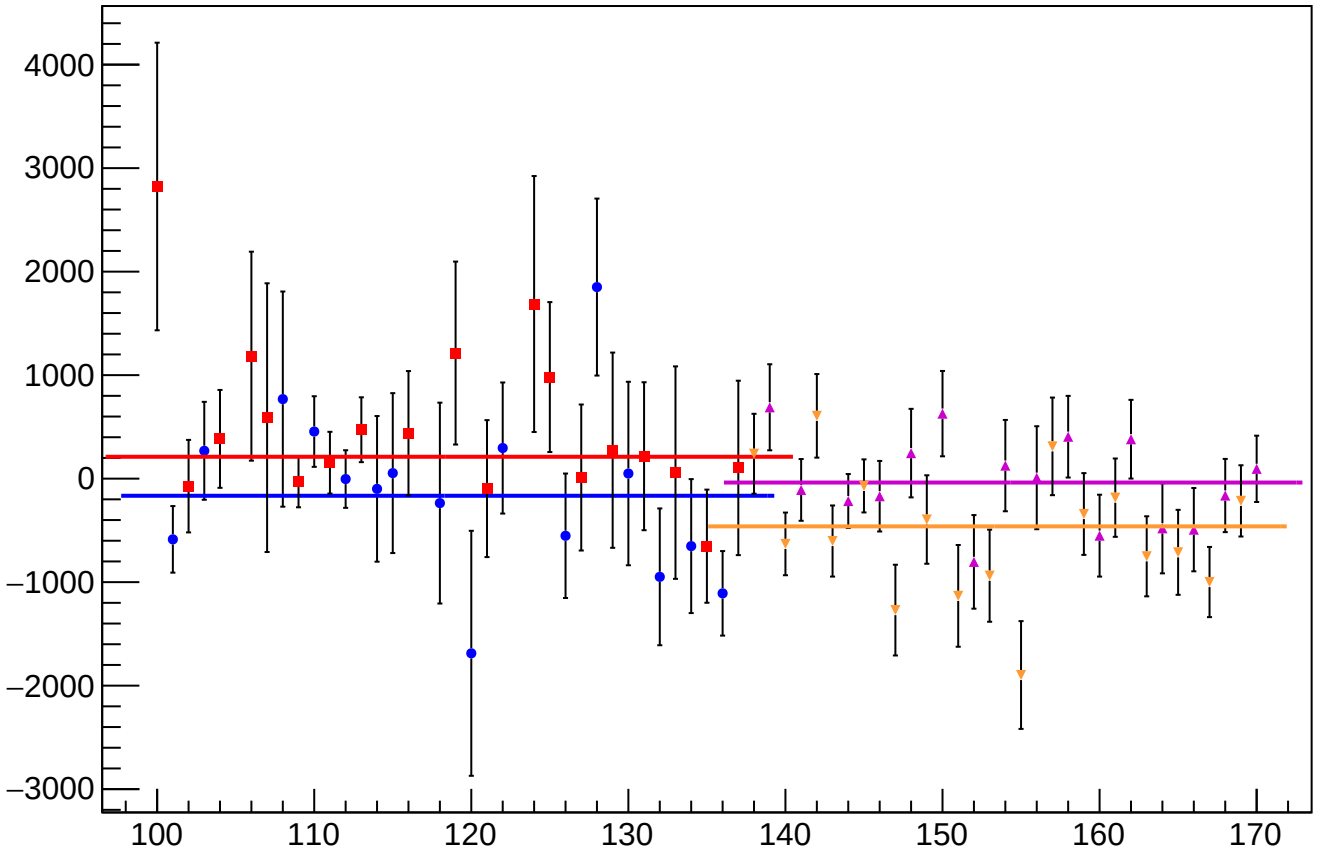
Left: 70.282+/-0.010 χ^2/NDF: 201347.3/32

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.589+/-0.011 χ^2/NDF:783150.5/31

Out: 70.629+/-0.011 χ^2/NDF:1054403.3/35

All: 71.099+/-0.008 χ^2/NDF: 1841210.5/67



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -461.238+/-91.805 χ^2/NDF:34.4/16

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -37.681+/-93.380 χ^2/NDF:16.6/15

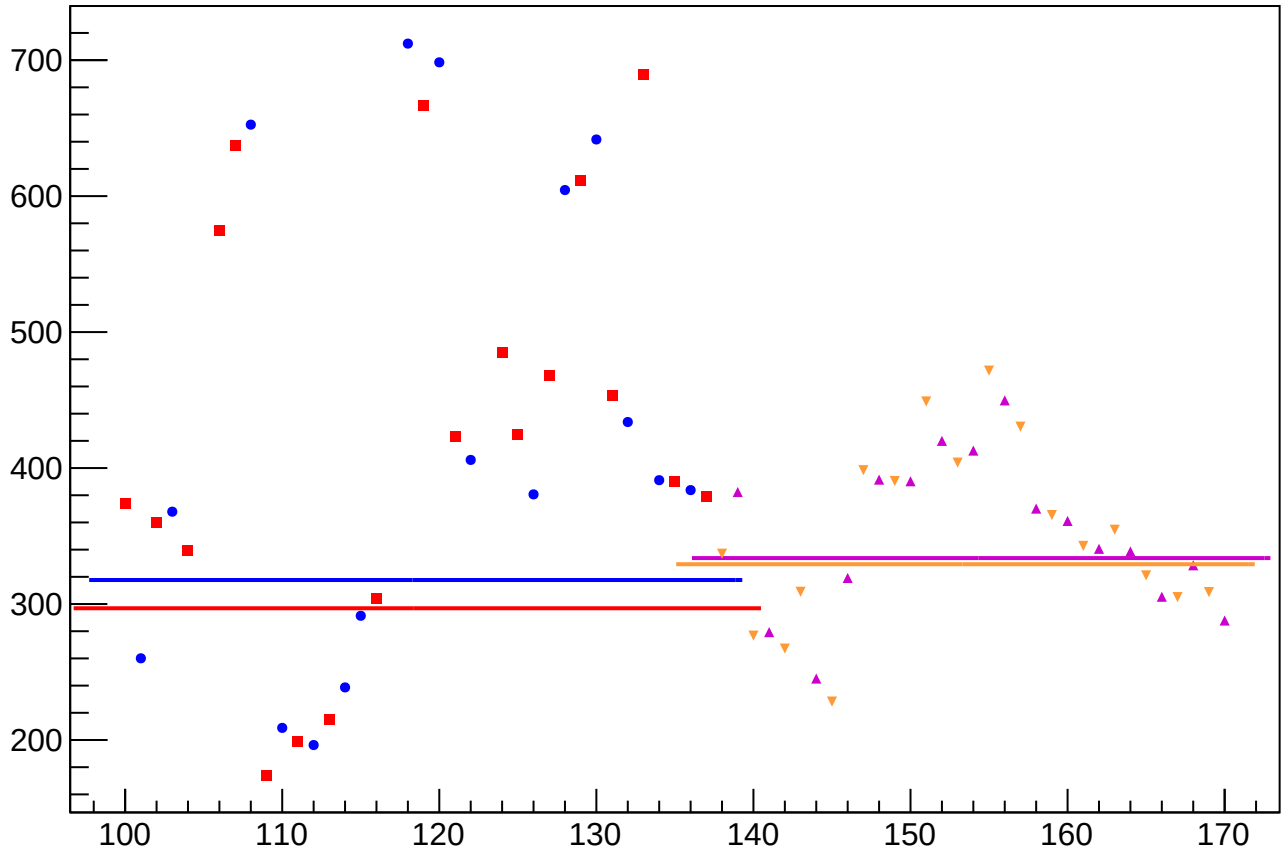
Left: -253.062+/-65.466 χ^2/NDF: 61.5/32

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -81.882+/-75.528 χ^2/NDF:39.8/31

Out: -213.235+/-72.941 χ^2/NDF:67.8/35

All: -149.846+/-52.468 χ^2/NDF: 109.2/67



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 329.279+/-0.065 χ^2/NDF:979033.2/16

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 333.794+/-0.066 χ^2/NDF:727203.9/15

Left: 331.498+/-0.046 χ^2/NDF: 1708614.7/32

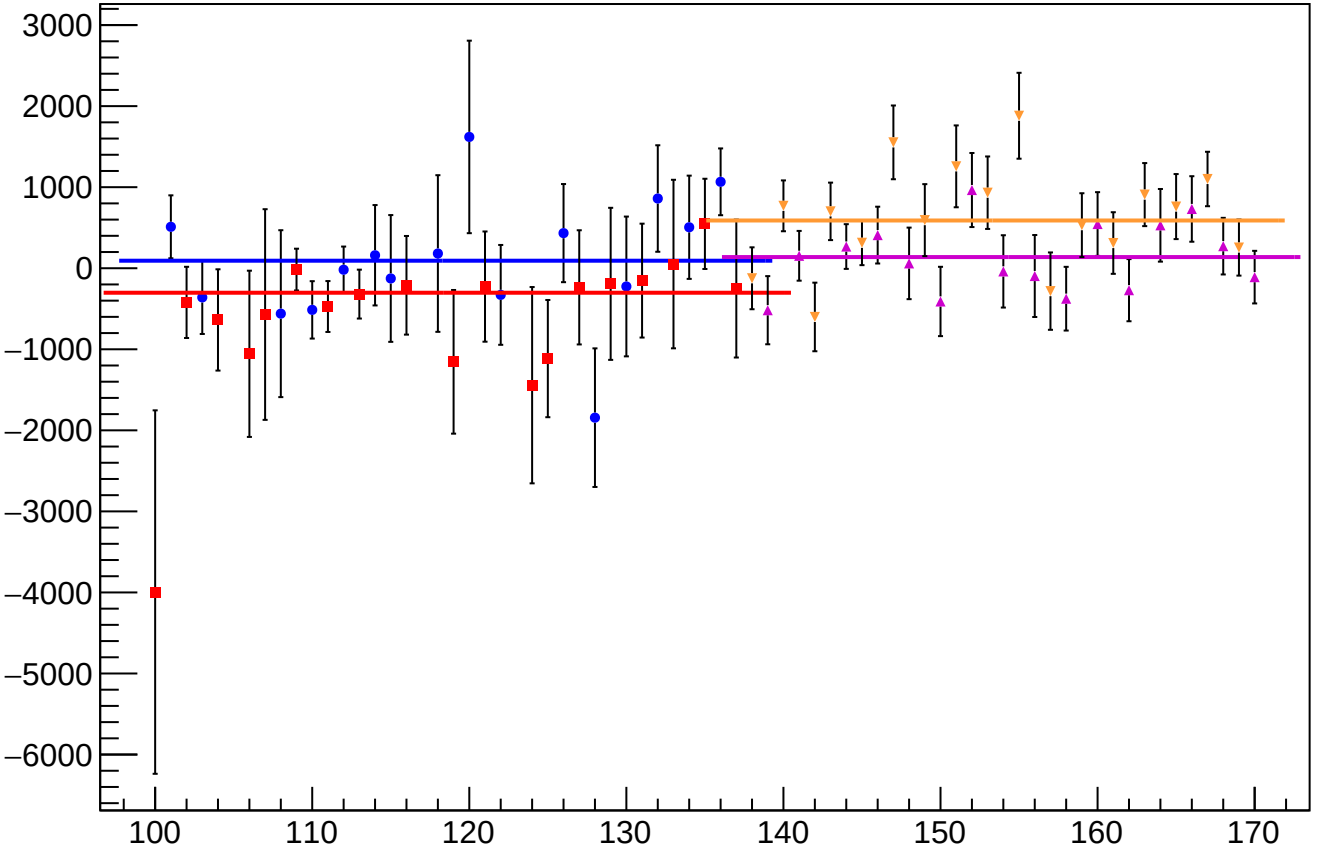
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 328.215+/-0.053 χ^2/NDF:2884070.6/31

Out: 317.335+/-0.052 χ^2/NDF:3611894.7/35

All: 322.586+/-0.037 χ^2/NDF: 6517440.5/67

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 589.057+/-93.707 χ^2/NDF:33.6/16

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 137.828+/-95.160 χ^2/NDF:16.1/15

Left: 366.913+/-66.769 χ^2/NDF: 61.2/32

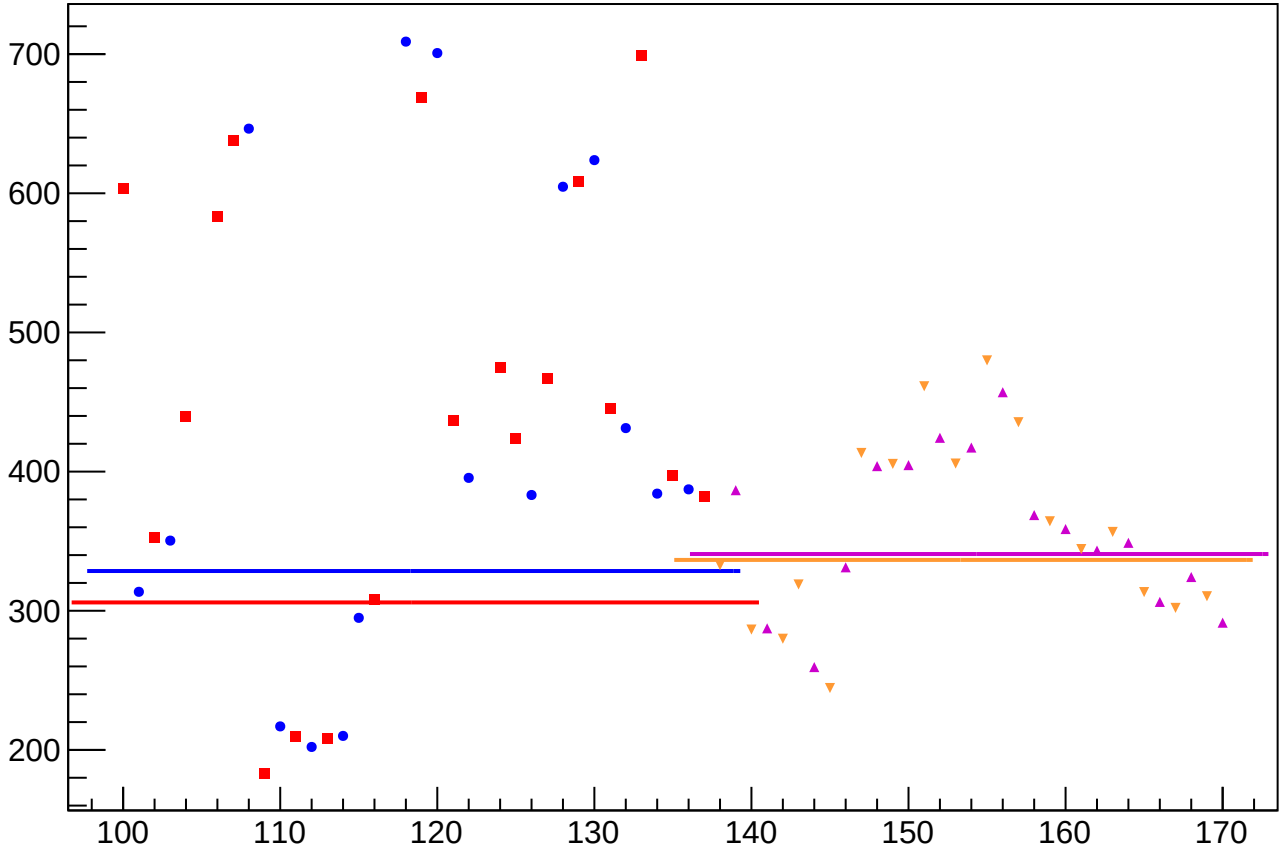
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 122.419+/-77.178 χ^2/NDF:37.0/31

Out: 264.781+/-74.742 χ^2/NDF:77.3/35

All: 195.882+/-53.691 χ^2/NDF: 116.1/67

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 336.539+/-0.066 χ^2/NDF:877630.2/16

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 340.777+/-0.067 χ^2/NDF:656554.3/15

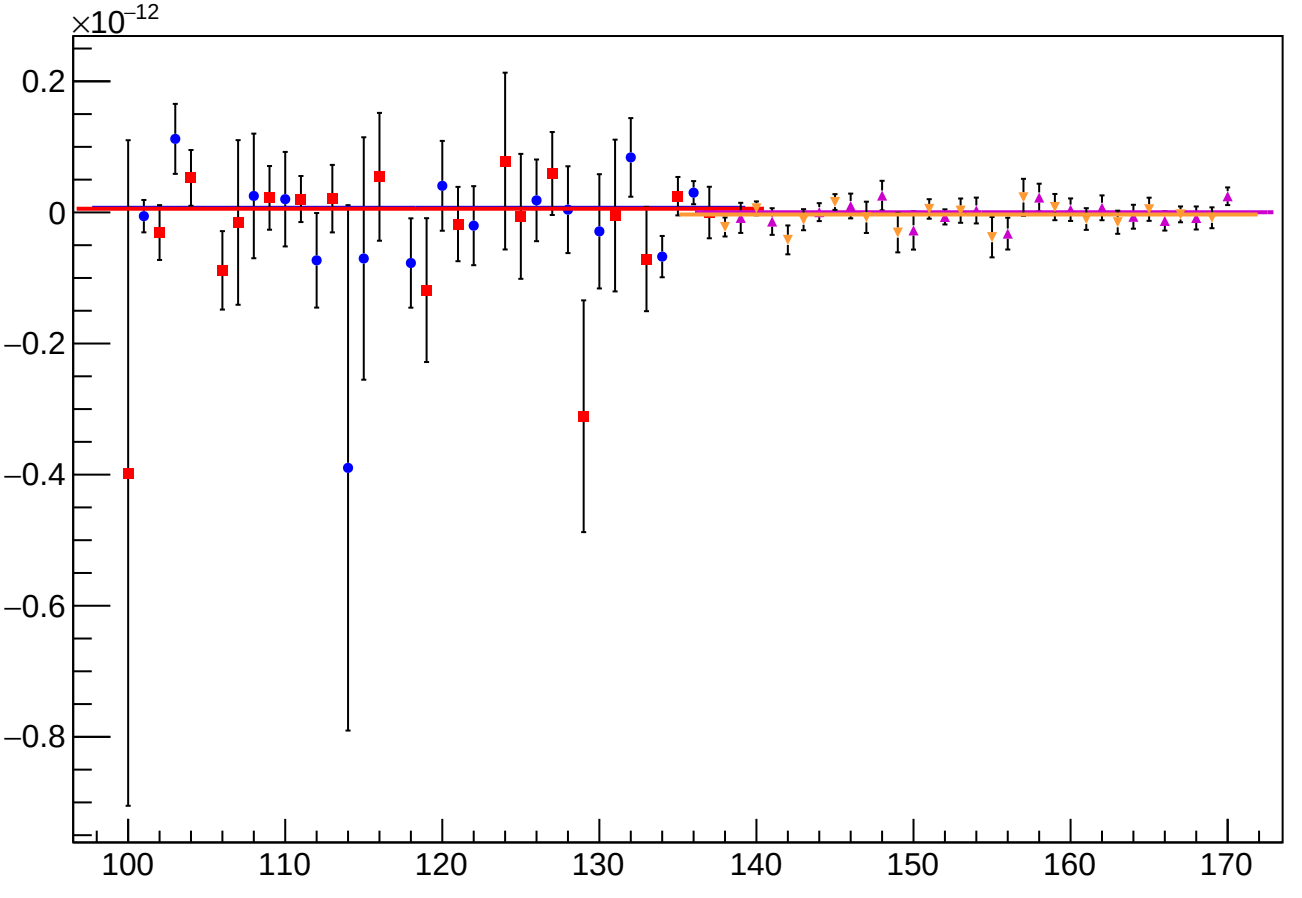
Left: 338.625+/-0.047 χ^2/NDF: 1536198.6/32

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 336.598+/-0.055 χ^2/NDF:2626696.7/31

Out: 325.424+/-0.053 χ^2/NDF:3482432.0/35

All: 330.832+/-0.038 χ^2/NDF: 6130762.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/15

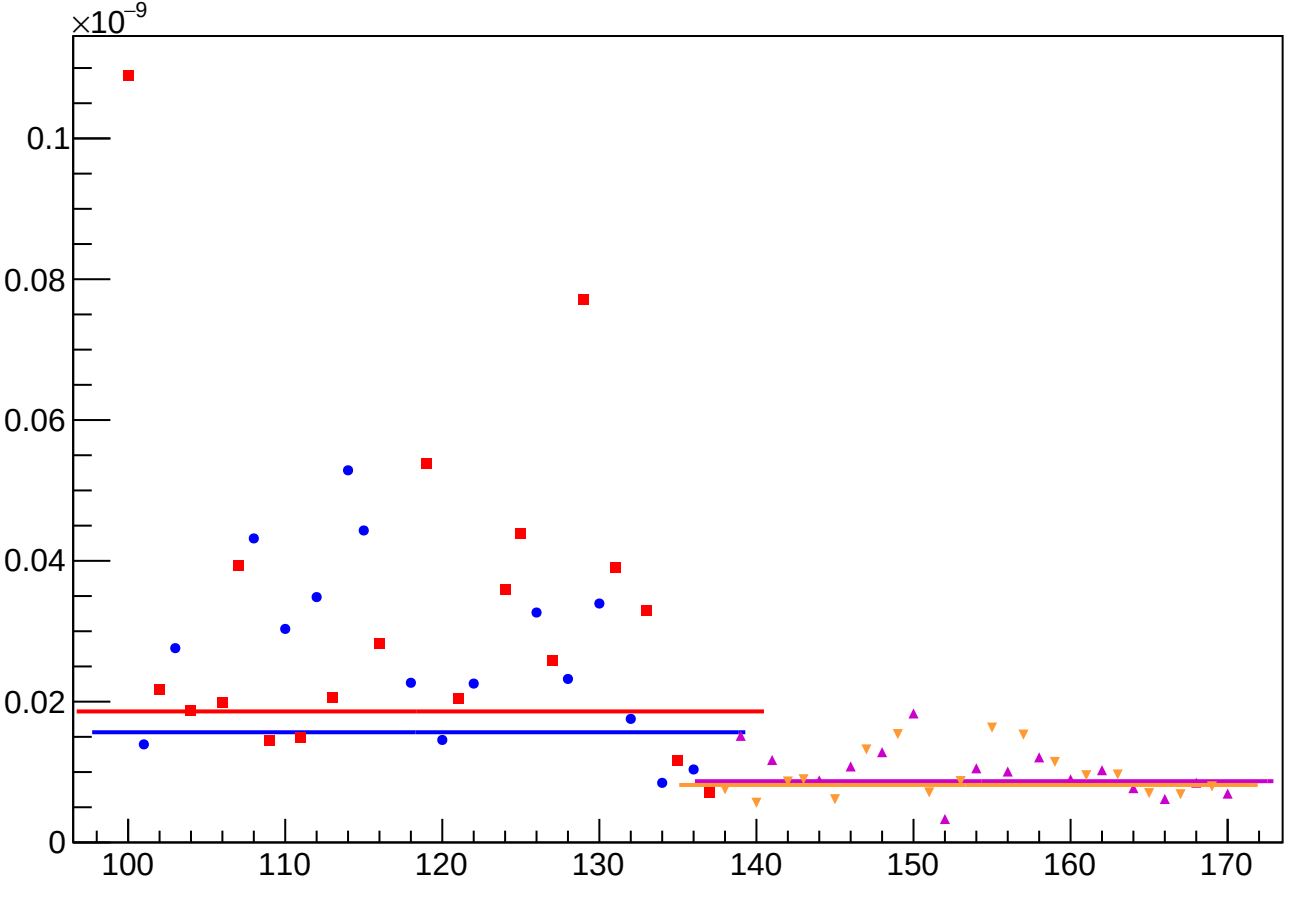
Left: -0.000+/-0.000 χ^2/NDF: 24.4/32

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:26.3/35

All: -0.000+/-0.000 χ^2/NDF: 55.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:779761.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1130857.5/15

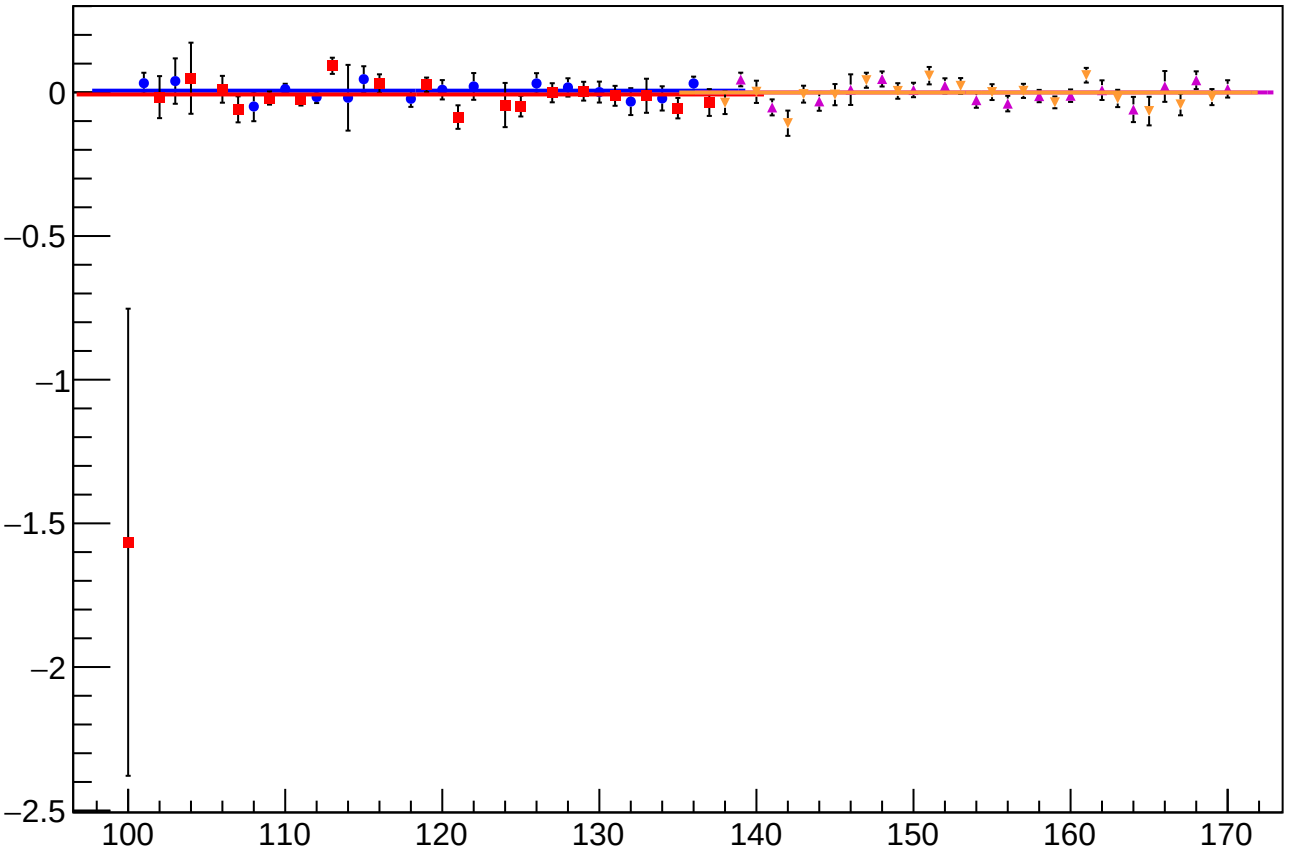
Left: 0.000+/-0.000 χ^2/NDF: 1926863.0/32

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2990078.4/31

Out: 0.000+/-0.000 χ^2/NDF:3215729.9/35

All: 0.000+/-0.000 χ^2/NDF: 6226528.4/67



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.001+/-0.007 χ^2/NDF:26.0/16

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.000+/-0.007 χ^2/NDF:19.8/15

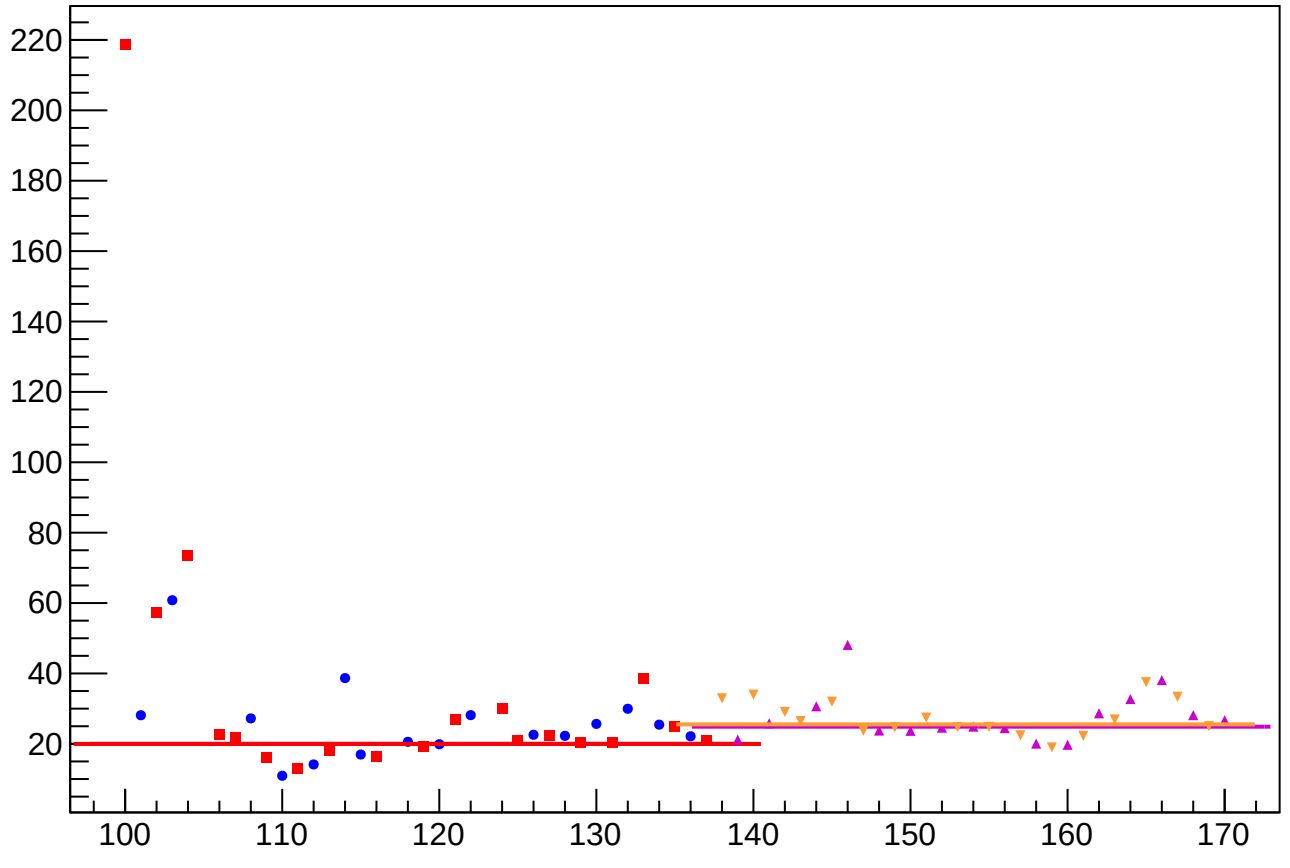
Left: -0.000+/-0.005 χ^2/NDF: 45.8/32

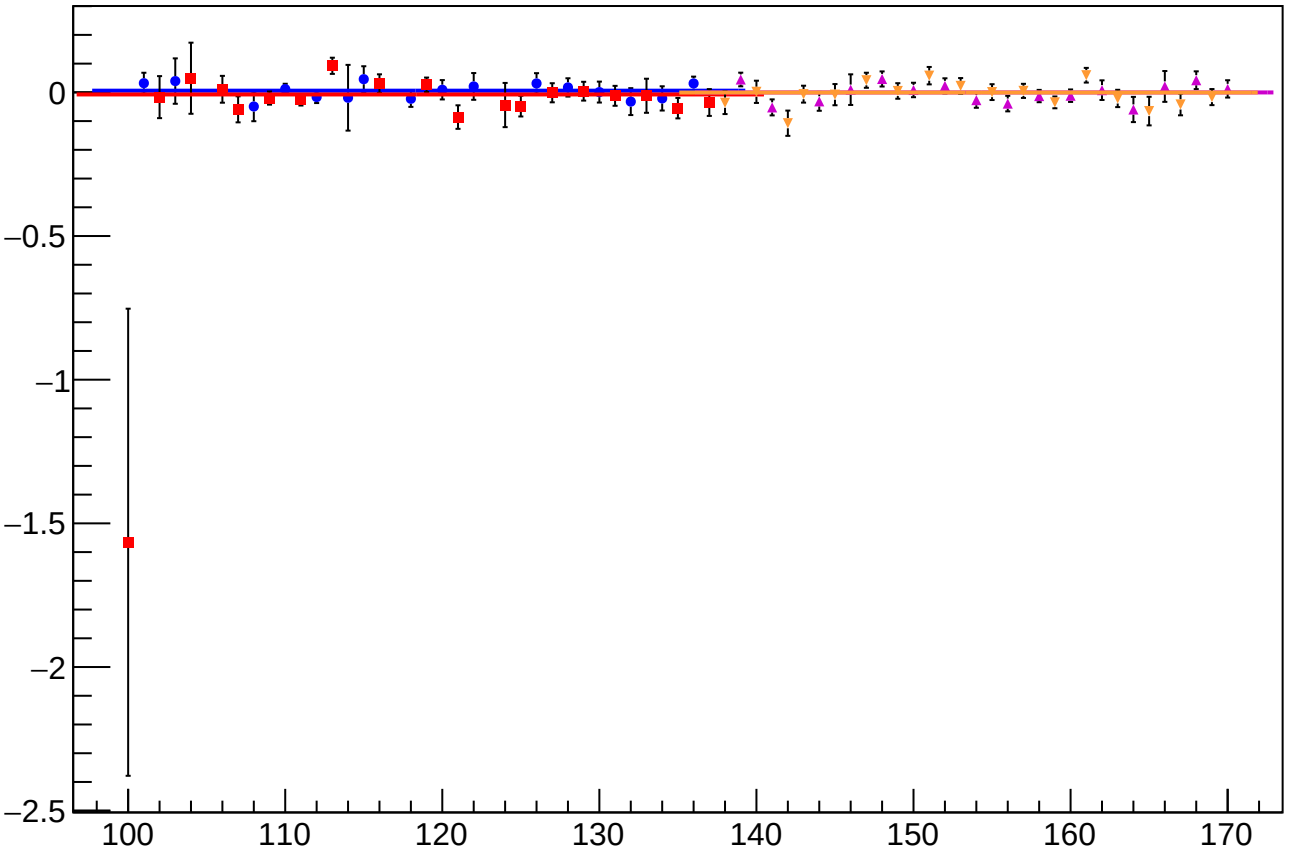
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.004+/-0.005 χ^2/NDF:56.2/35

All: -0.001+/-0.004 χ^2/NDF: 84.8/67


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.000+/-0.006 χ²/NDF: 1641371.9/15
Left Out: 25.530+/-0.005 χ²/NDF:737919.7/16
Right Out: 19.963+/-0.006 χ²/NDF: 1716895.2/18
Left In: 24.875+/-0.005 χ²/NDF:953423.9/15
Left: 25.199+/-0.004 χ²/NDF: 1699699.7/32
Right: 19.981+/-0.004 χ²/NDF: 3358287.6/34
In: 22.770+/-0.004 χ²/NDF:2999647.9/31
Out: 23.072+/-0.004 χ²/NDF:2983112.8/35
All: 22.921+/-0.003 χ²/NDF: 5985918.4/67



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.001+/-0.007 χ^2/NDF:26.0/16

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.000+/-0.007 χ^2/NDF:19.8/15

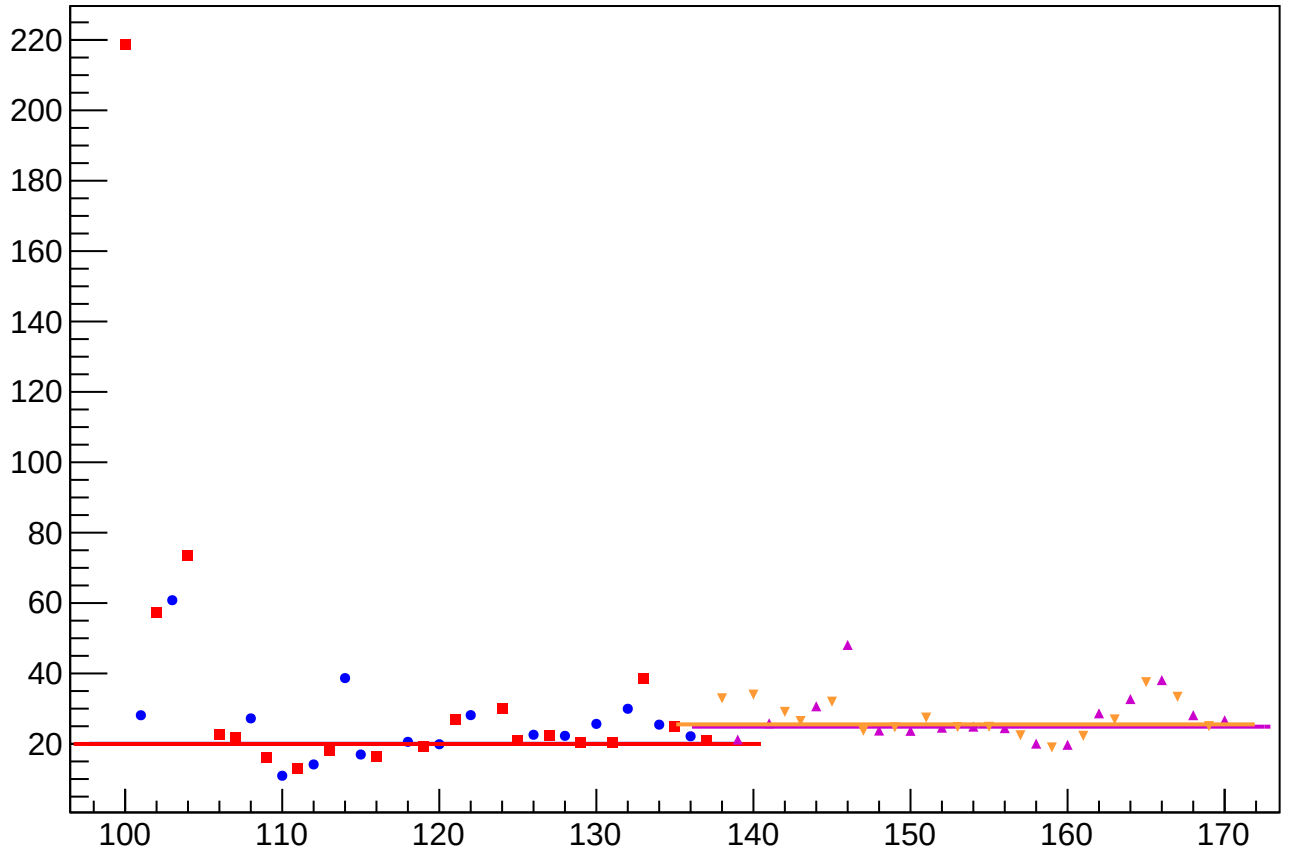
Left: -0.000+/-0.005 χ^2/NDF: 45.8/32

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.004+/-0.005 χ^2/NDF:56.2/35

All: -0.001+/-0.004 χ^2/NDF: 84.8/67



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.530+/-0.005 χ^2/NDF:737919.7/16

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.875+/-0.005 χ^2/NDF:953423.9/15

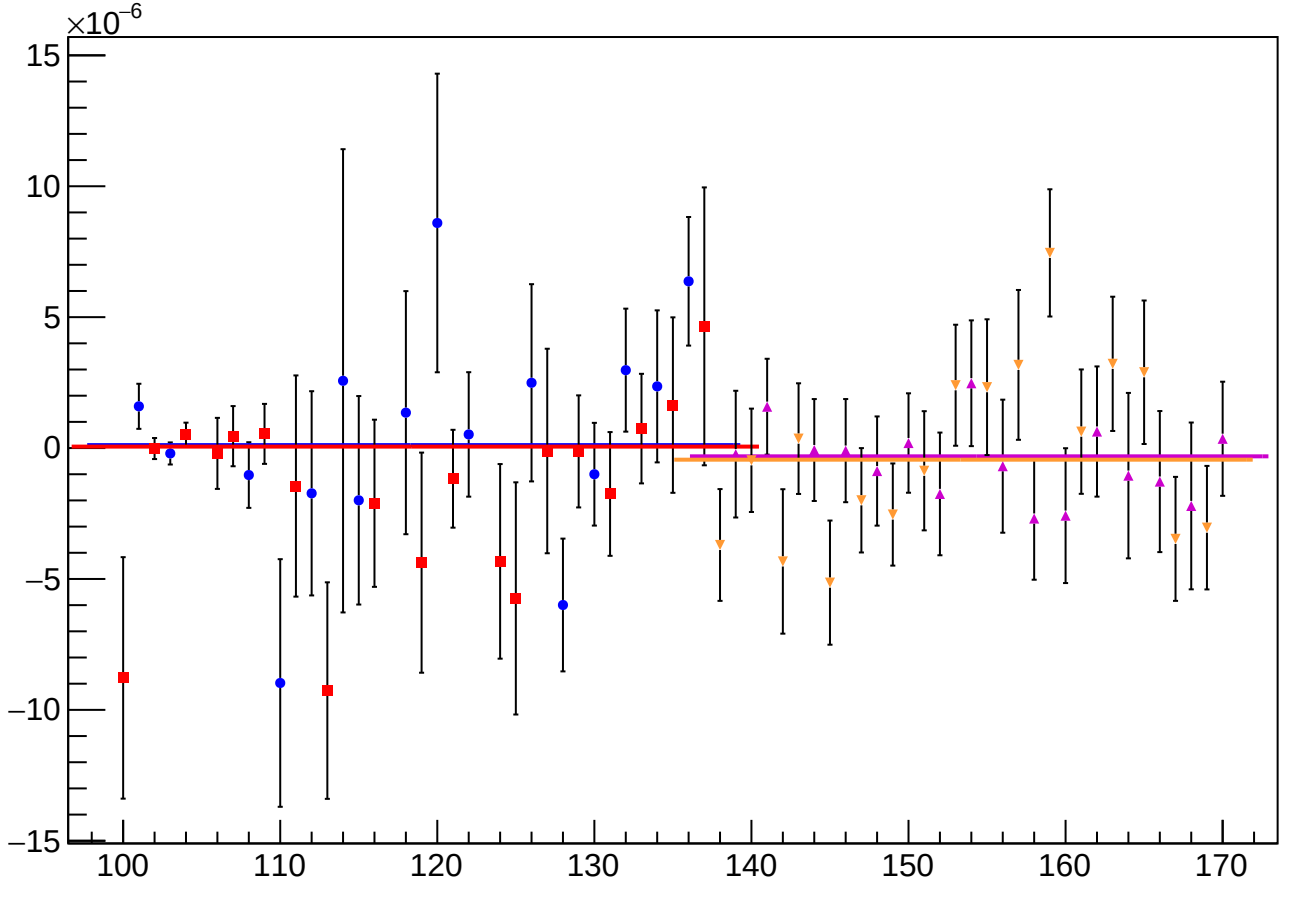
Left: 25.199+/-0.004 χ^2/NDF: 1699699.7/32

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.770+/-0.004 χ^2/NDF:2999647.9/31

Out: 23.072+/-0.004 χ^2/NDF:2983112.8/35

All: 22.921+/-0.003 χ^2/NDF: 5985918.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/15

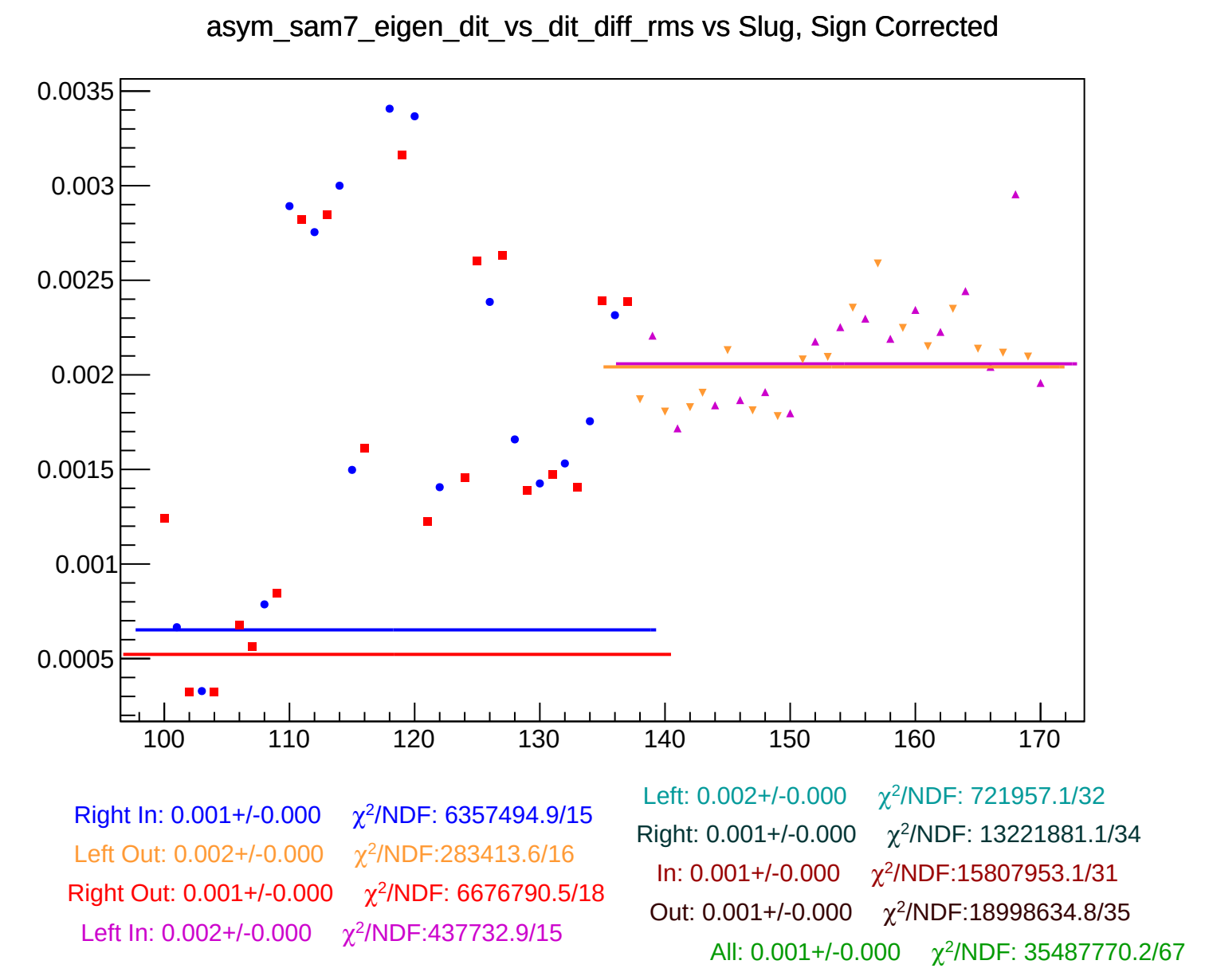
Left: -0.000+/-0.000 χ^2/NDF: 37.2/32

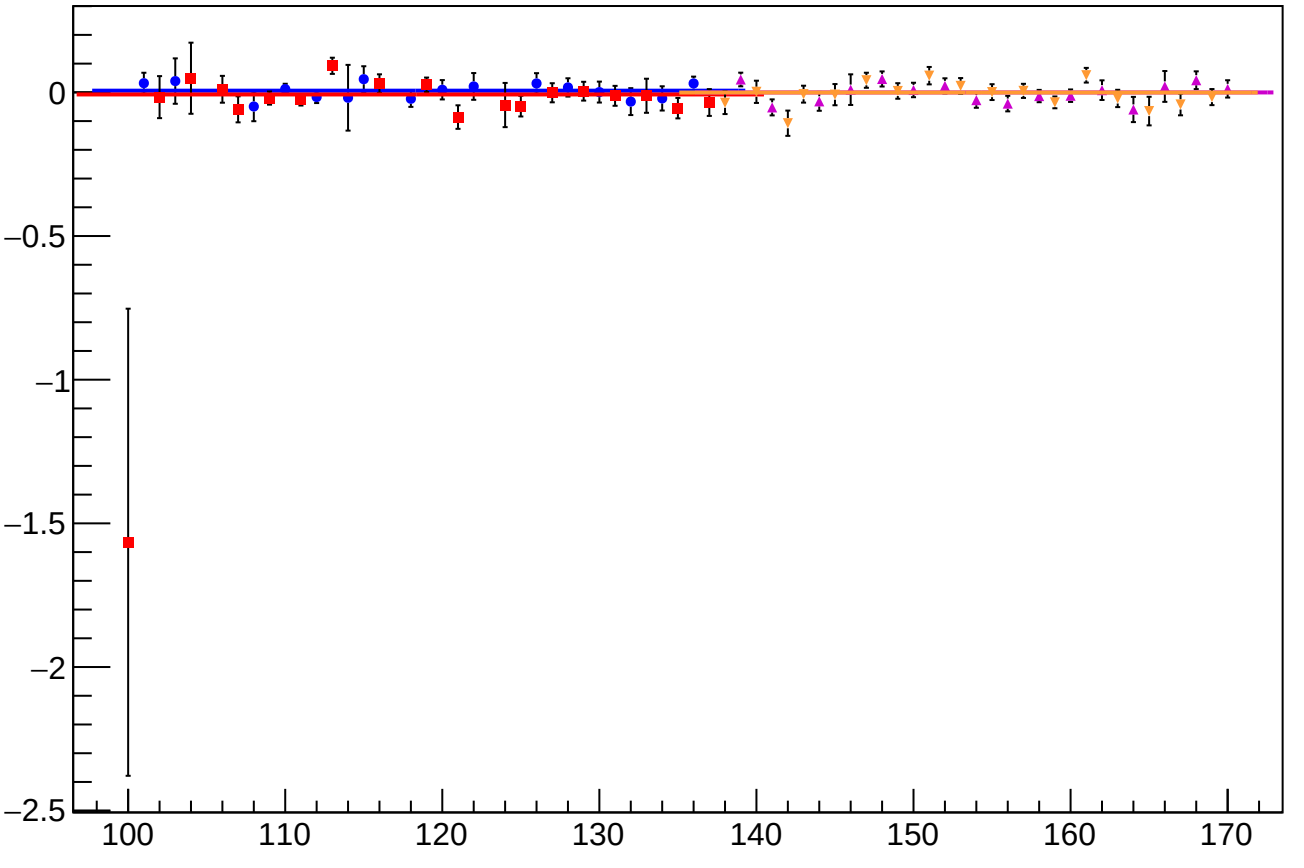
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:32.0/31

Out: -0.000+/-0.000 χ^2/NDF:49.3/35

All: -0.000+/-0.000 χ^2/NDF: 81.4/67


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:283413.6/16
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:437732.9/15
Left: 0.002+/-0.000 χ²/NDF: 721957.1/32
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:15807953.1/31
Out: 0.001+/-0.000 χ²/NDF:18998634.8/35
All: 0.001+/-0.000 χ²/NDF: 35487770.2/67



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.001+/-0.007 χ^2/NDF:26.0/16

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.000+/-0.007 χ^2/NDF:19.8/15

Left: -0.000+/-0.005 χ^2/NDF: 45.8/32

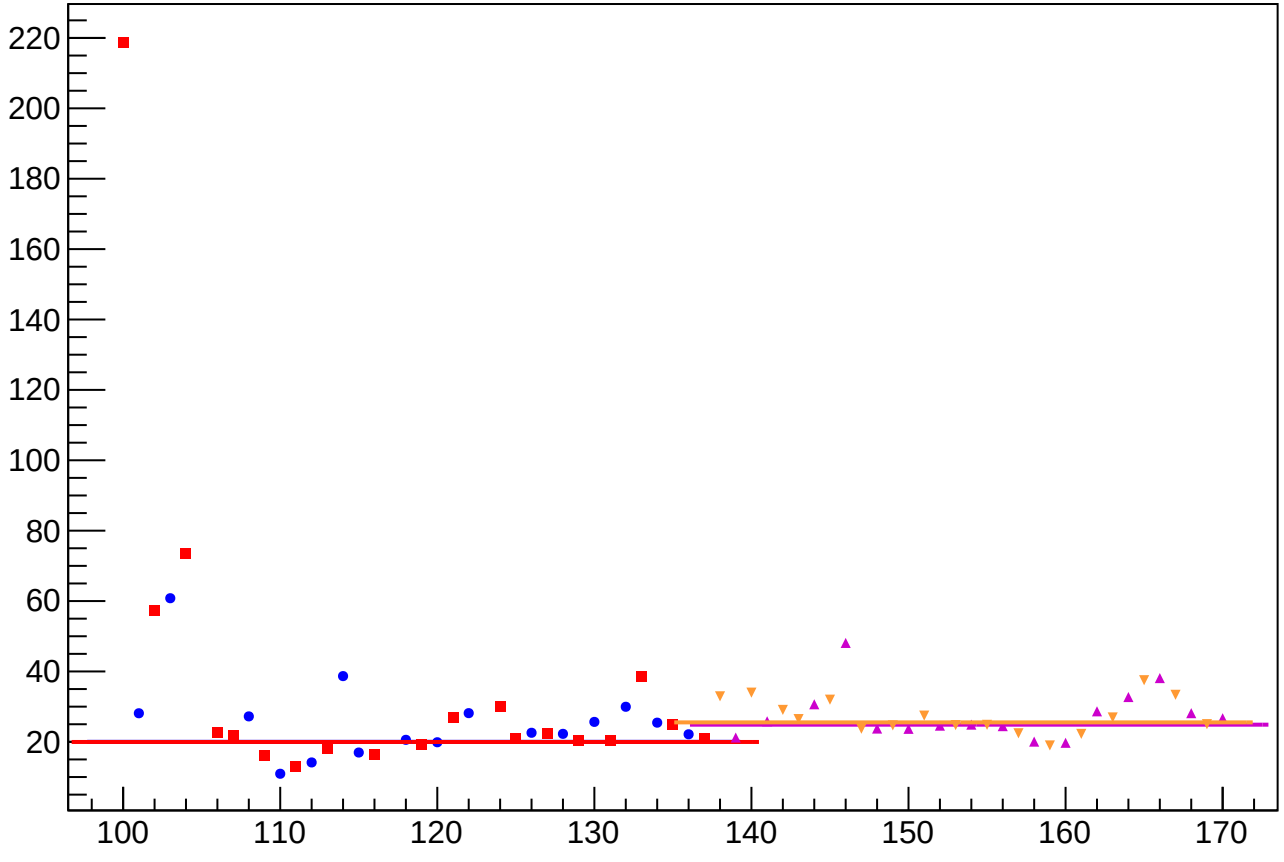
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.004+/-0.005 χ^2/NDF:56.2/35

All: -0.001+/-0.004 χ^2/NDF: 84.8/67

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: 25.530+/-0.005 χ^2/NDF:737962.8/16

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.875+/-0.005 χ^2/NDF:953478.0/15

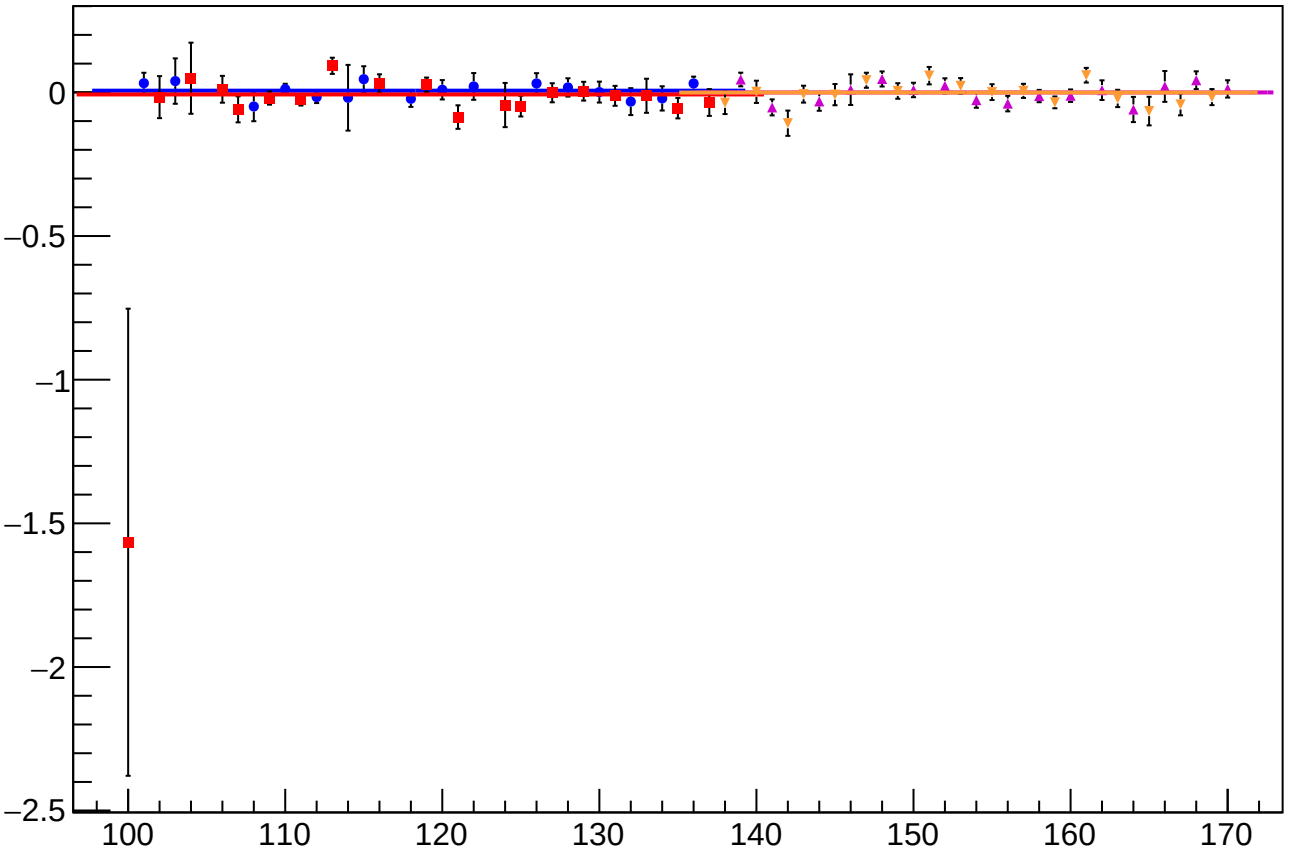
Left: 25.199+/-0.004 χ^2/NDF: 1699797.4/32

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.770+/-0.004 χ^2/NDF:2999435.6/31

Out: 23.072+/-0.004 χ^2/NDF:2983060.8/35

All: 22.921+/-0.003 χ^2/NDF: 5985650.7/67



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.001+/-0.007 χ^2/NDF:26.0/16

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.000+/-0.007 χ^2/NDF:19.8/15

Left: -0.000+/-0.005 χ^2/NDF: 45.8/32

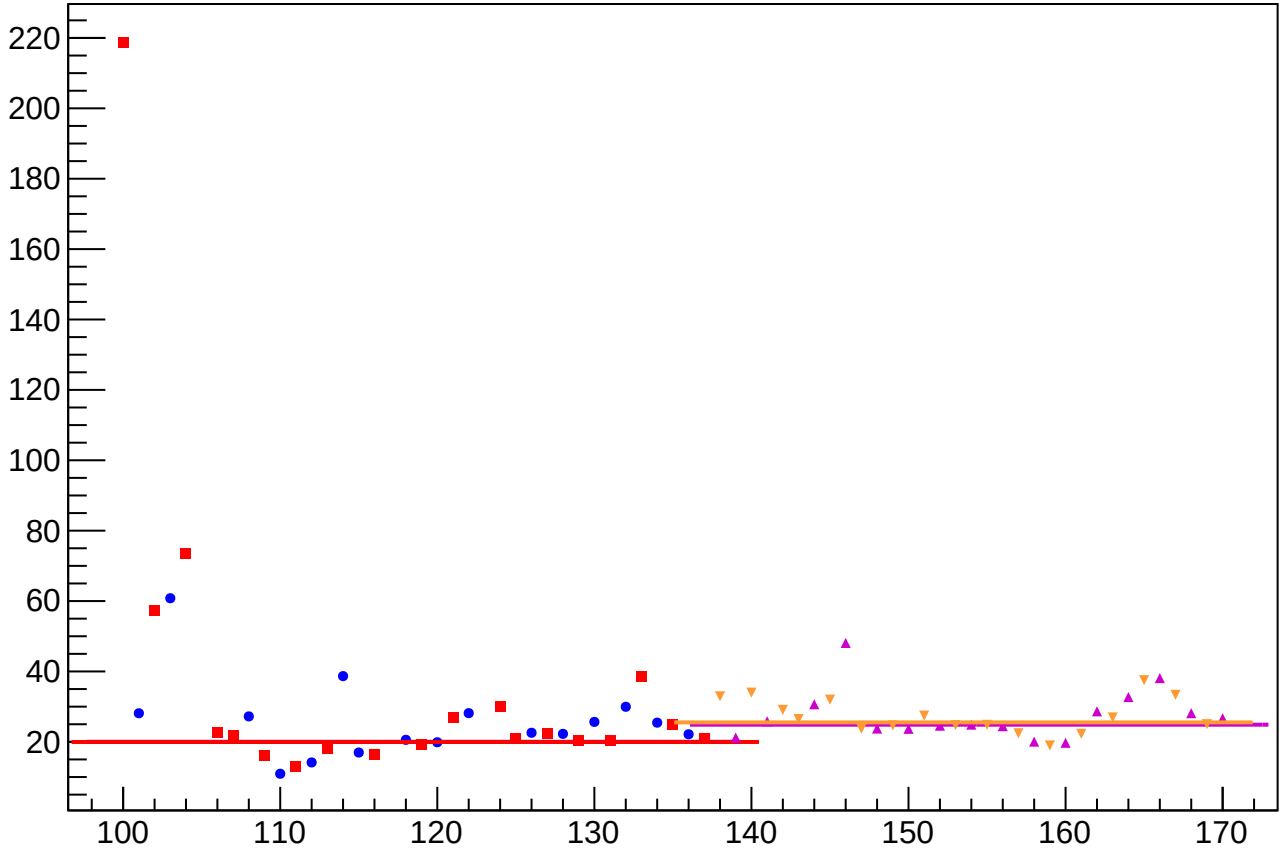
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.004+/-0.005 χ^2/NDF:56.2/35

All: -0.001+/-0.004 χ^2/NDF: 84.8/67

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: 25.530+/-0.005 χ^2/NDF:737962.8/16

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.875+/-0.005 χ^2/NDF:953478.0/15

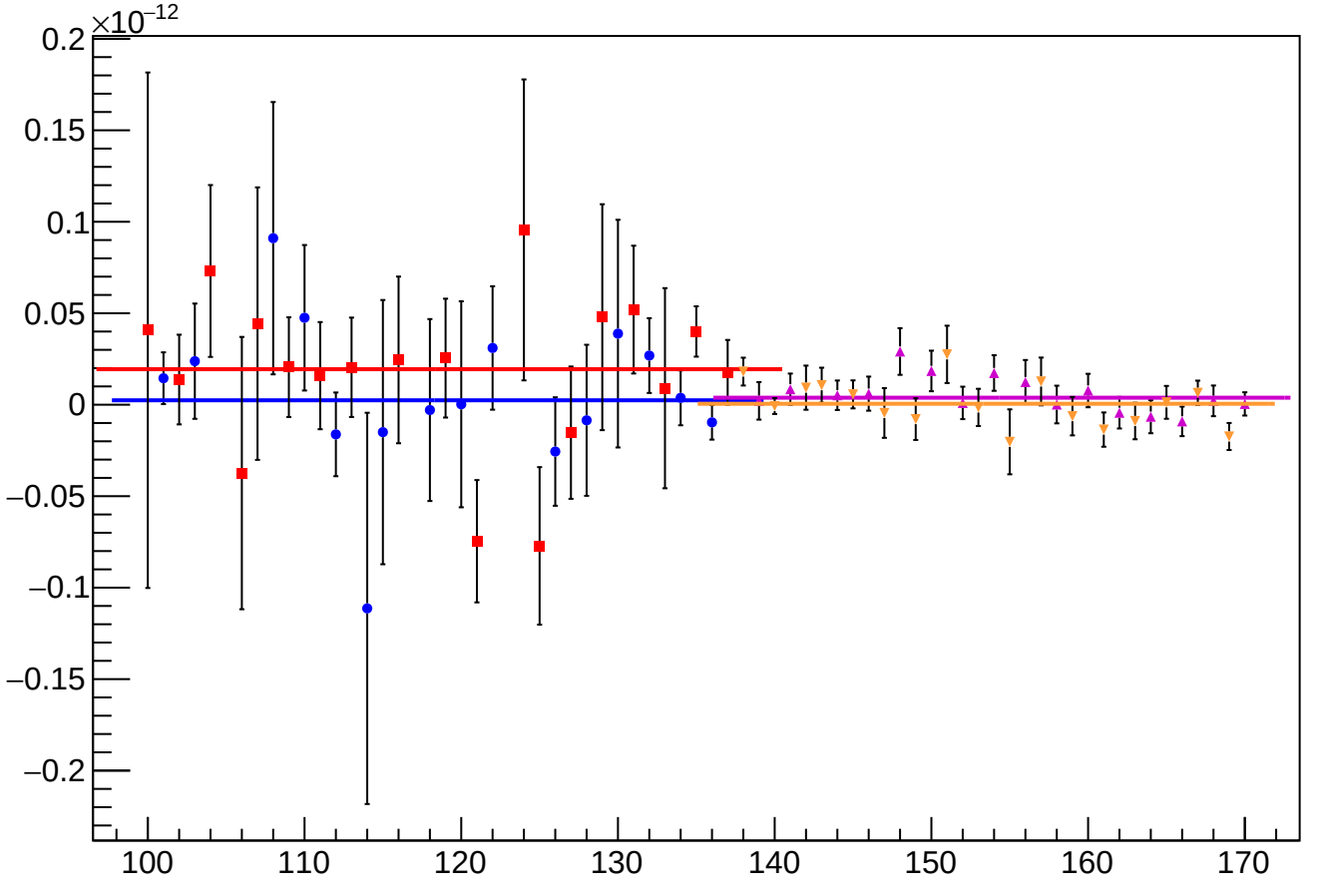
Left: 25.199+/-0.004 χ^2/NDF: 1699797.4/32

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.770+/-0.004 χ^2/NDF:2999435.6/31

Out: 23.072+/-0.004 χ^2/NDF:2983060.8/35

All: 22.921+/-0.003 χ^2/NDF: 5985650.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/15

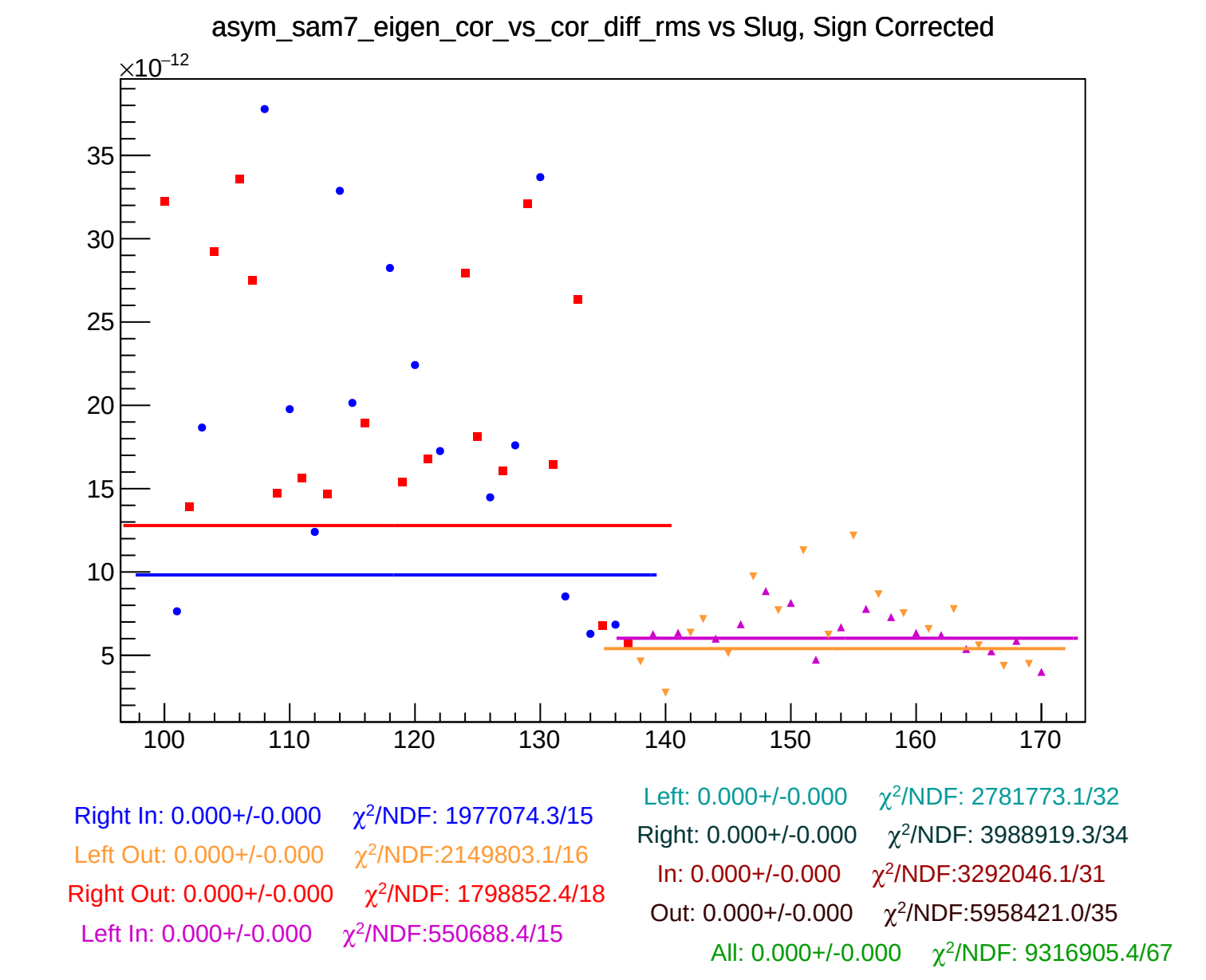
Left: 0.000+/-0.000 χ^2/NDF: 38.9/32

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:24.9/31

Out: 0.000+/-0.000 χ^2/NDF:50.5/35

All: 0.000+/-0.000 χ^2/NDF: 75.7/67


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
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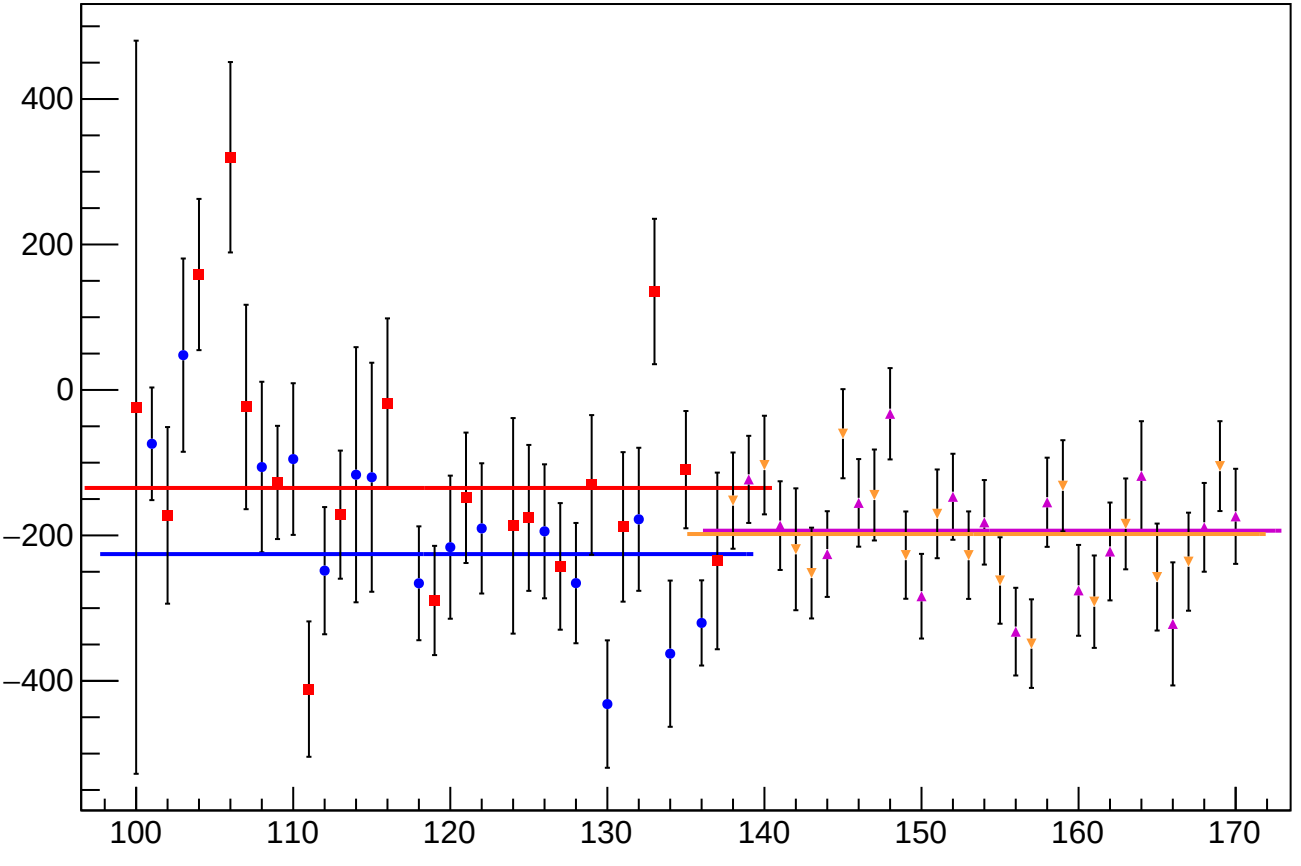
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2149803.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:550688.4/15
Left: 0.000+/-0.000 χ²/NDF: 2781773.1/32
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3292046.1/31
Out: 0.000+/-0.000 χ²/NDF:5958421.0/35
All: 0.000+/-0.000 χ²/NDF: 9316905.4/67

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -198.091+/-15.488 χ^2/NDF:23.6/16

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -193.514+/-15.655 χ^2/NDF:22.7/15

Left: -195.827+/-11.011 χ^2/NDF: 46.3/32

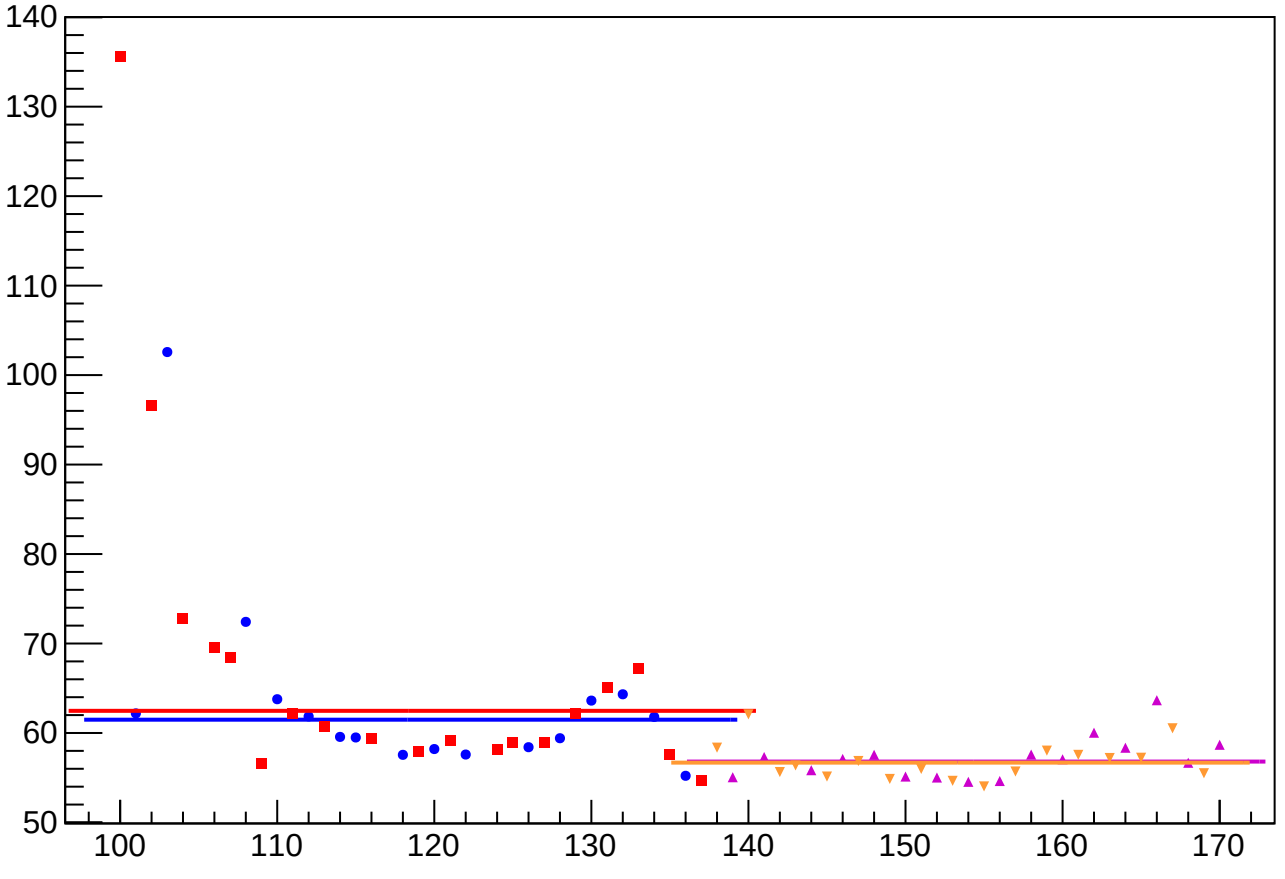
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -203.631+/-12.963 χ^2/NDF:46.7/31

Out: -178.557+/-12.880 χ^2/NDF:74.0/35

All: -191.014+/-9.137 χ^2/NDF: 122.5/67

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.688+/-0.011 χ^2/NDF:33318.9/16

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

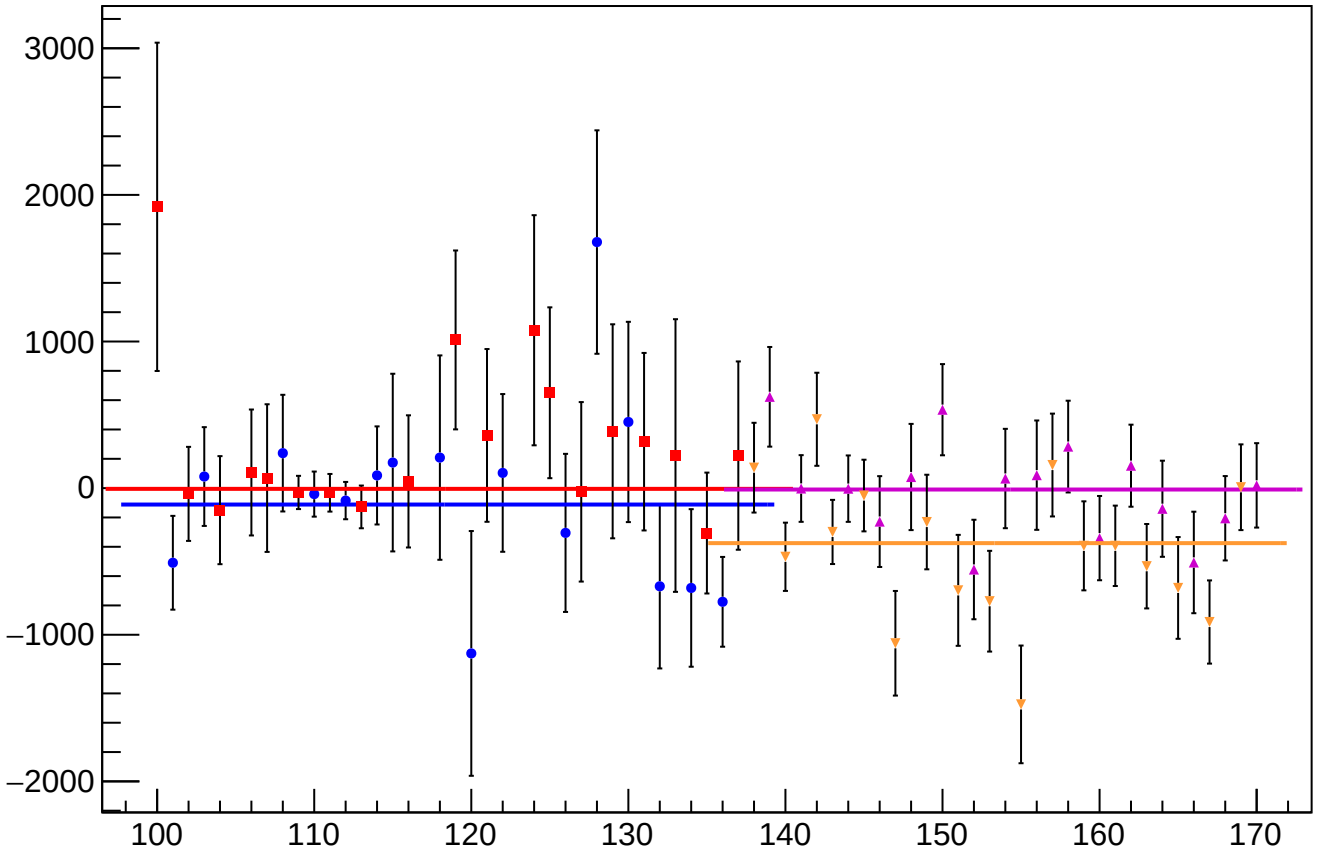
Left: 56.746+/-0.008 χ^2/NDF: 65794.9/32

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.277+/-0.009 χ^2/NDF:339305.2/31

Out: 58.473+/-0.009 χ^2/NDF:400620.1/35

All: 58.375+/-0.006 χ^2/NDF: 740156.3/67



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -375.088+/-72.056 χ^2/NDF:34.1/16

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: -9.422+/-75.090 χ^2/NDF:15.0/15

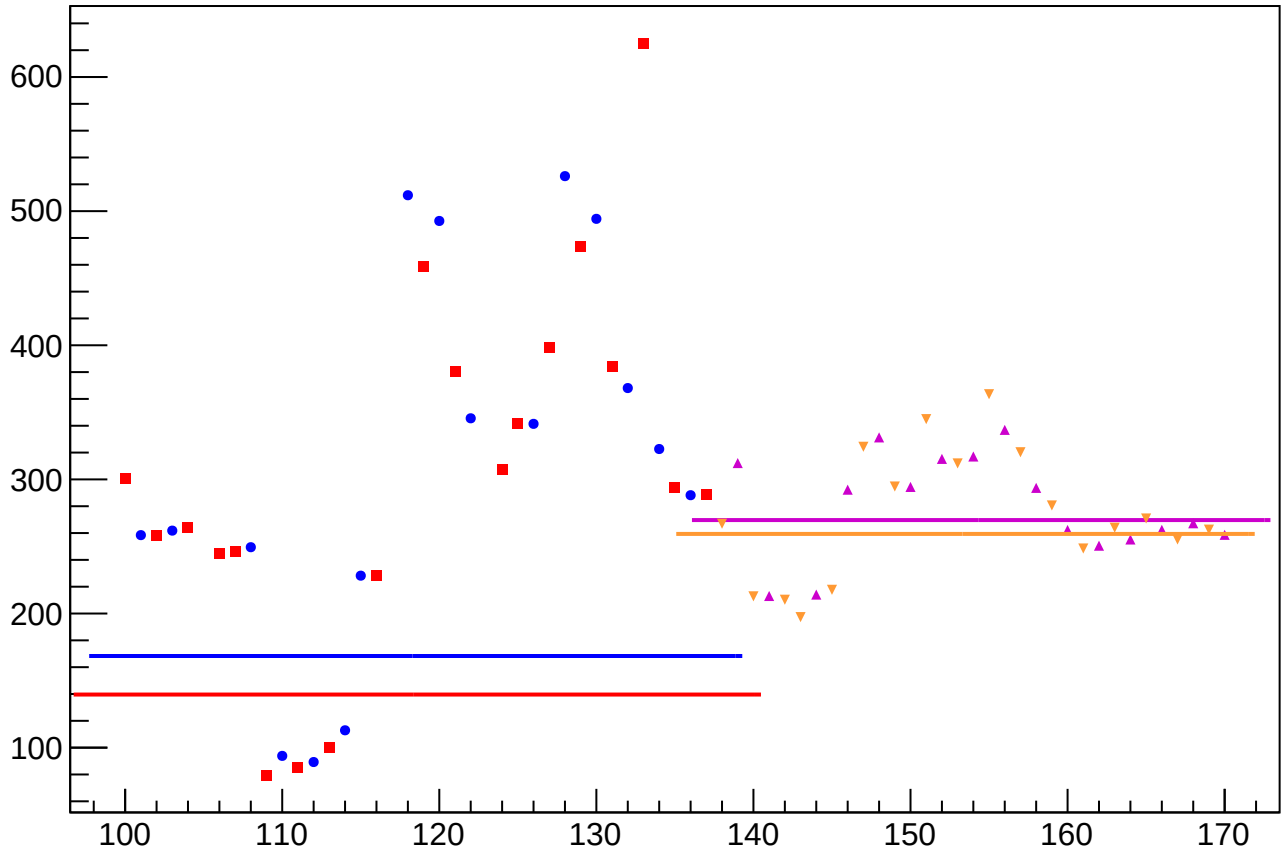
Left: -199.789+/-51.991 χ^2/NDF: 61.4/32

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -59.893+/-53.489 χ^2/NDF:34.4/31

Out: -167.954+/-47.823 χ^2/NDF:60.5/35

All: -119.948+/-35.651 χ^2/NDF: 97.1/67



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.351+/-0.051 χ^2/NDF:798614.5/16

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 269.678+/-0.053 χ^2/NDF:527403.8/15

Left: 264.302+/-0.037 χ^2/NDF: 1345715.0/32

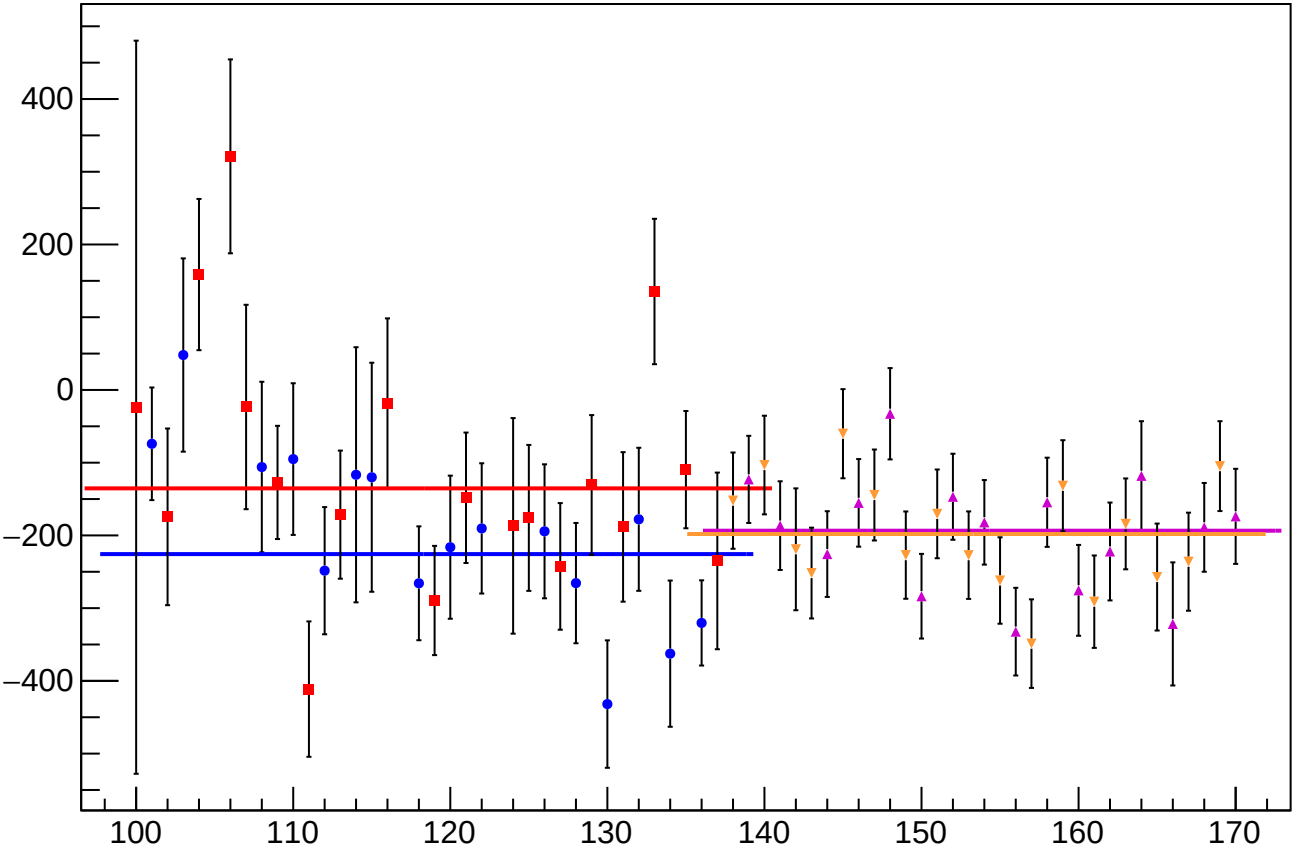
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 219.756+/-0.038 χ^2/NDF:6866118.1/31

Out: 192.343+/-0.034 χ^2/NDF:9043825.4/35

All: 204.521+/-0.025 χ^2/NDF: 16201882.6/67

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -198.088+/-15.488 χ^2/NDF:23.6/16

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -193.517+/-15.655 χ^2/NDF:22.7/15

Left: -195.827+/-11.011 χ^2/NDF: 46.3/32

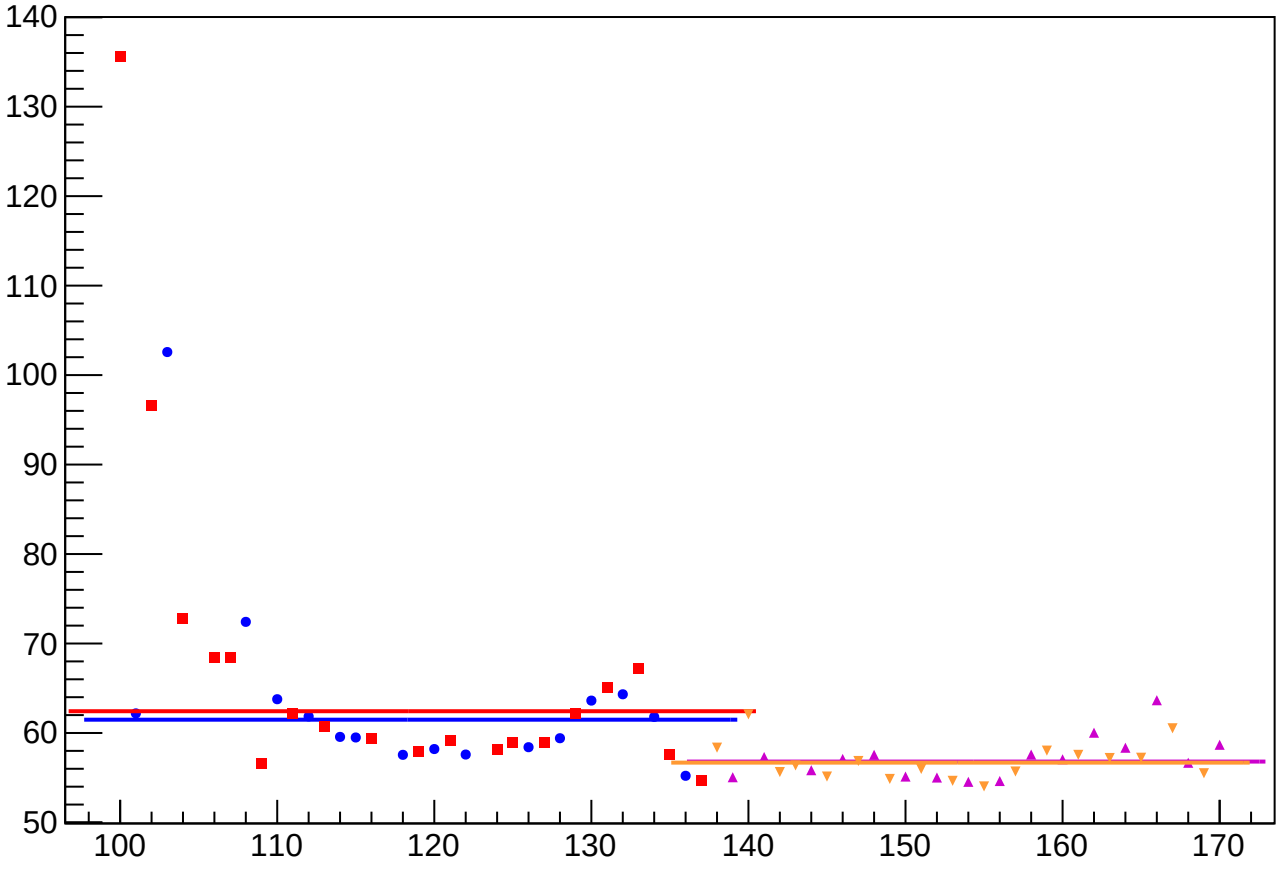
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -203.633+/-12.963 χ^2/NDF:46.7/31

Out: -178.740+/-12.882 χ^2/NDF:73.5/35

All: -191.109+/-9.138 χ^2/NDF: 122.0/67

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.688+/-0.011 χ^2/NDF:33318.9/16

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

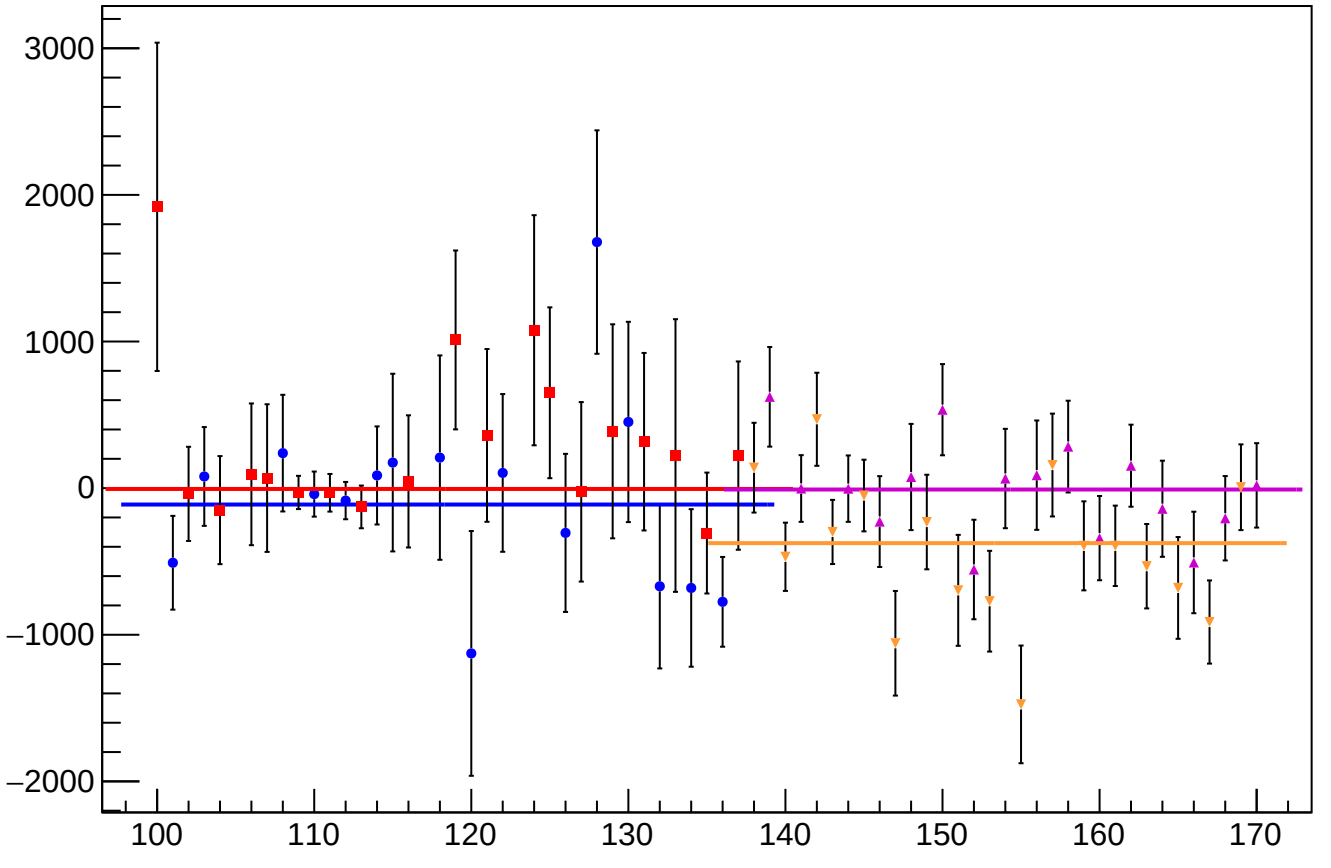
Left: 56.746+/-0.008 χ^2/NDF: 65794.9/32

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.277+/-0.009 χ^2/NDF:339307.8/31

Out: 58.458+/-0.009 χ^2/NDF:397535.1/35

All: 58.368+/-0.006 χ^2/NDF: 737040.6/67



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -375.084+/-72.056 χ^2/NDF:34.1/16

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: -9.426+/-75.090 χ^2/NDF:15.0/15

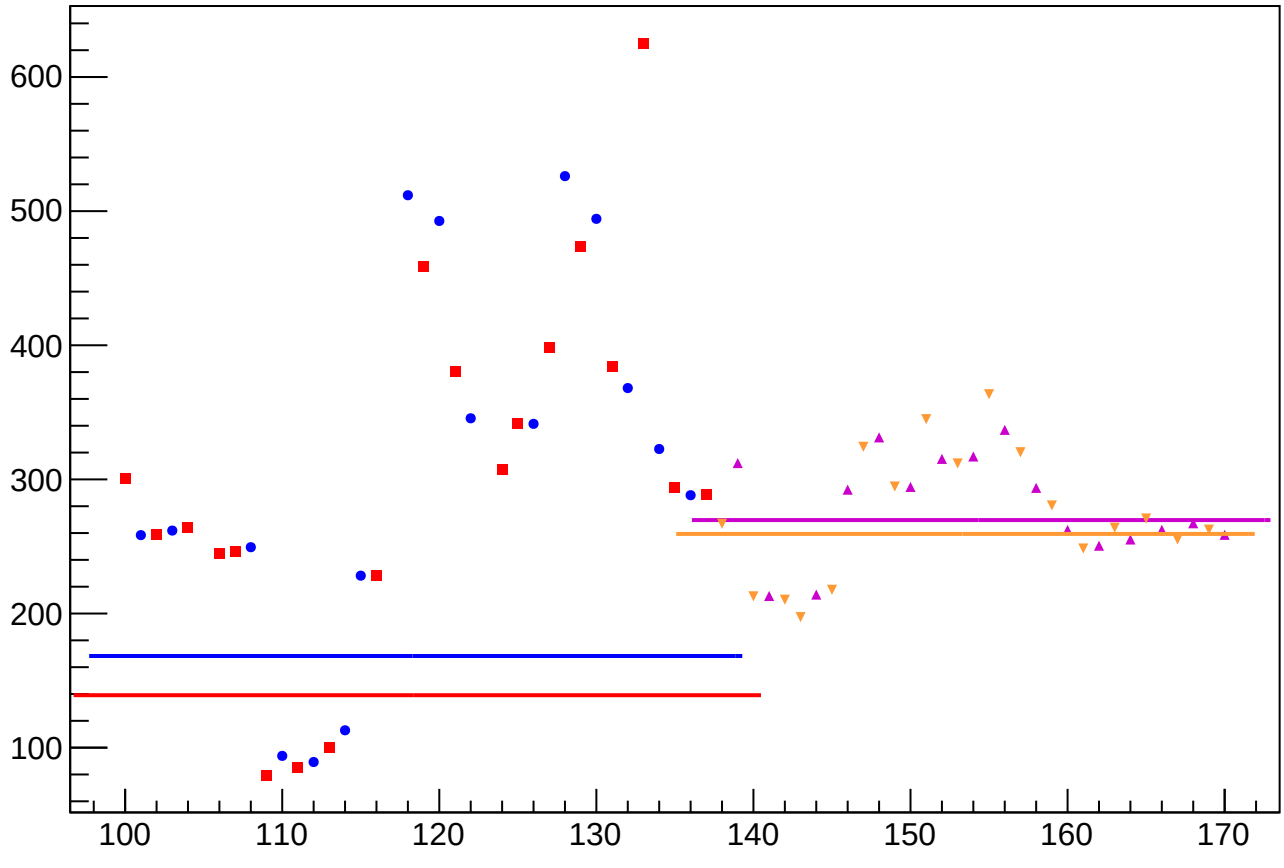
Left: -199.790+/-51.991 χ^2/NDF: 61.4/32

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -59.886+/-53.489 χ^2/NDF:34.4/31

Out: -168.790+/-47.886 χ^2/NDF:60.4/35

All: -120.339+/-35.678 χ^2/NDF: 97.1/67



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.350+/-0.051 χ^2/NDF:798619.1/16

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.678+/-0.053 χ^2/NDF:527402.6/15

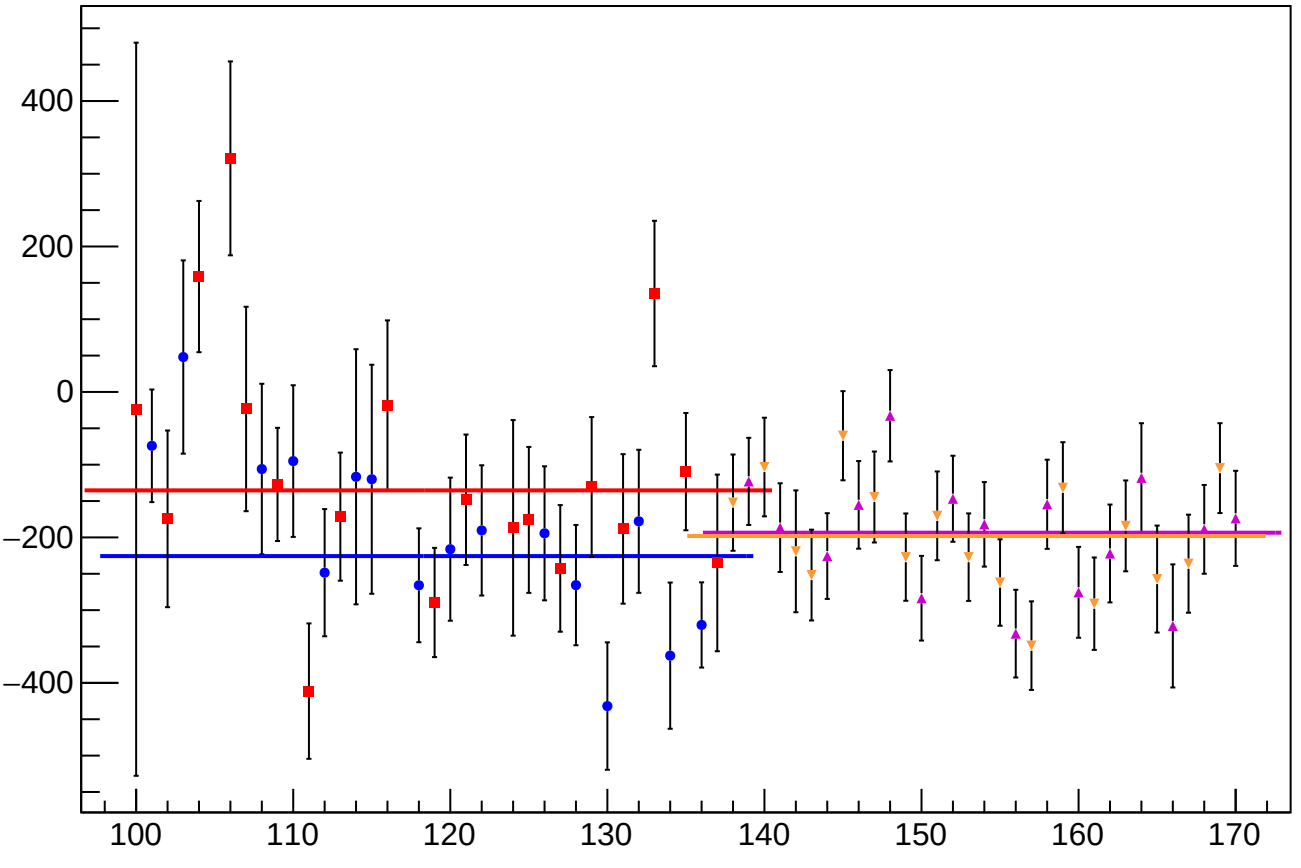
Left: 264.302+/-0.037 χ^2/NDF: 1345719.0/32

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 219.756+/-0.038 χ^2/NDF:6866150.6/31

Out: 192.211+/-0.034 χ^2/NDF:9038437.3/35

All: 204.466+/-0.025 χ^2/NDF: 16199017.8/67



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -198.088+/-15.488 χ^2/NDF:23.6/16

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -193.517+/-15.655 χ^2/NDF:22.7/15

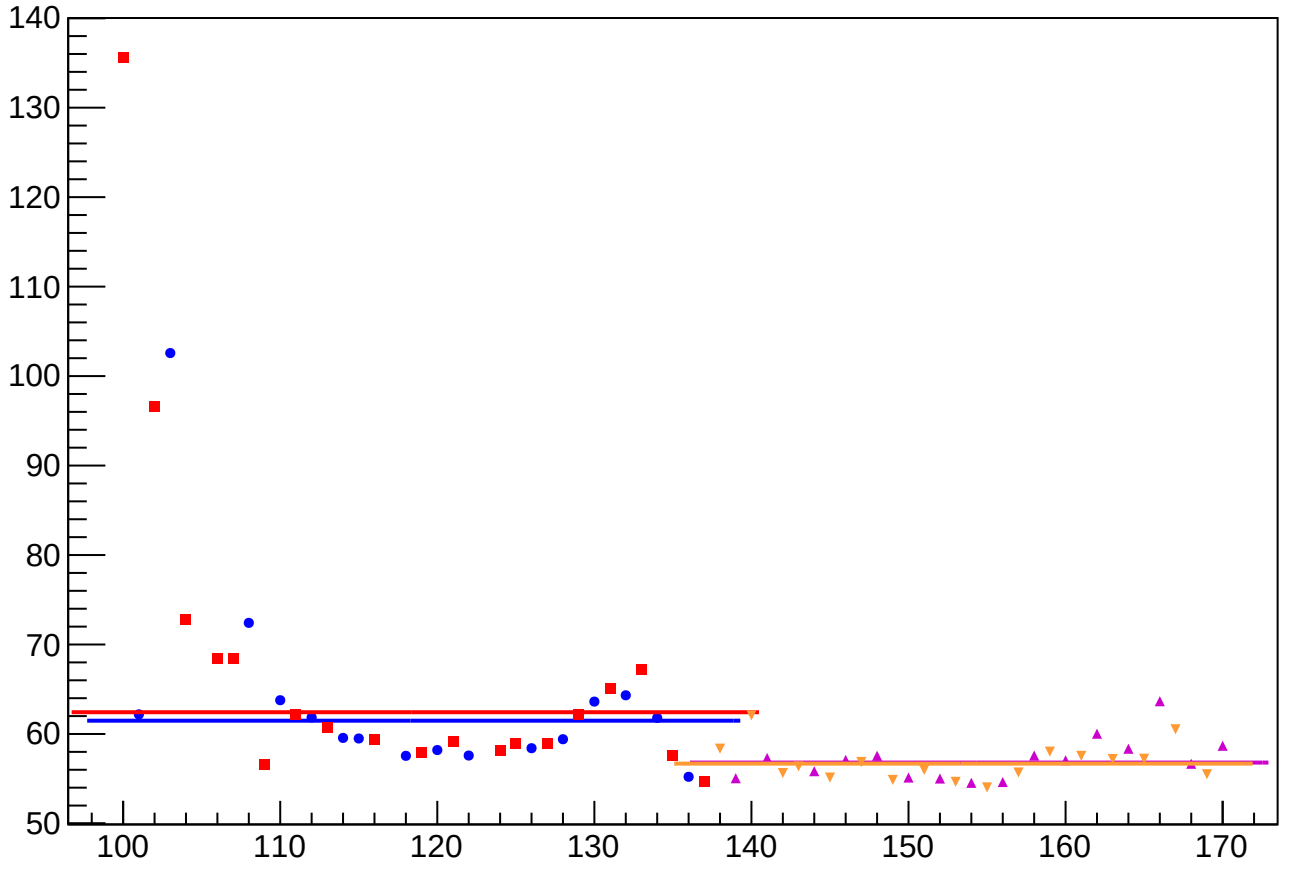
Left: -195.827+/-11.011 χ^2/NDF: 46.3/32

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -203.633+/-12.963 χ^2/NDF:46.7/31

Out: -178.740+/-12.882 χ^2/NDF:73.5/35

All: -191.109+/-9.138 χ^2/NDF: 122.0/67



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.688+/-0.011 χ^2/NDF:33318.9/16

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

Left: 56.746+/-0.008 χ^2/NDF: 65794.9/32

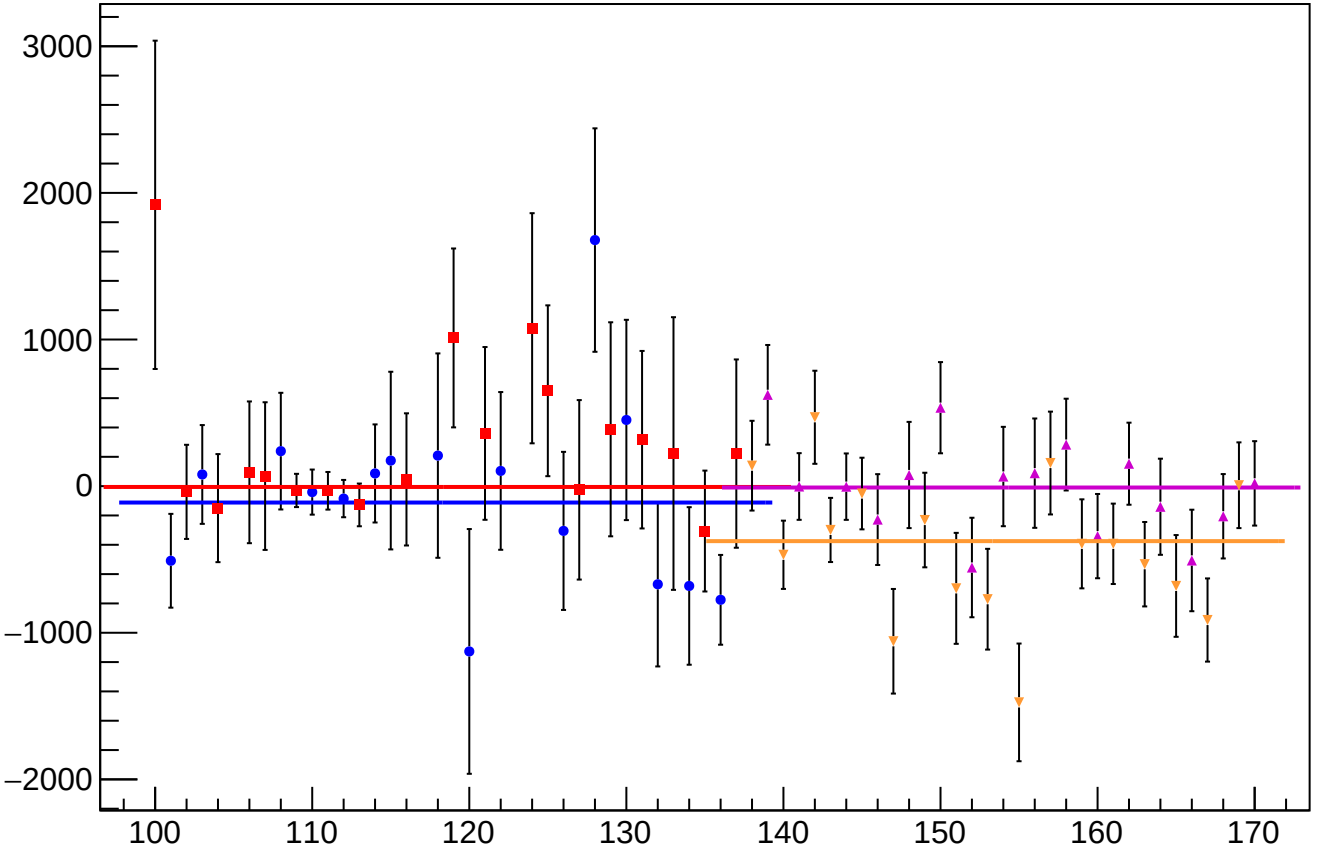
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.277+/-0.009 χ^2/NDF:339307.8/31

Out: 58.458+/-0.009 χ^2/NDF:397535.1/35

All: 58.368+/-0.006 χ^2/NDF: 737040.6/67

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -375.084+/-72.056 χ^2/NDF:34.1/16

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: -9.426+/-75.090 χ^2/NDF:15.0/15

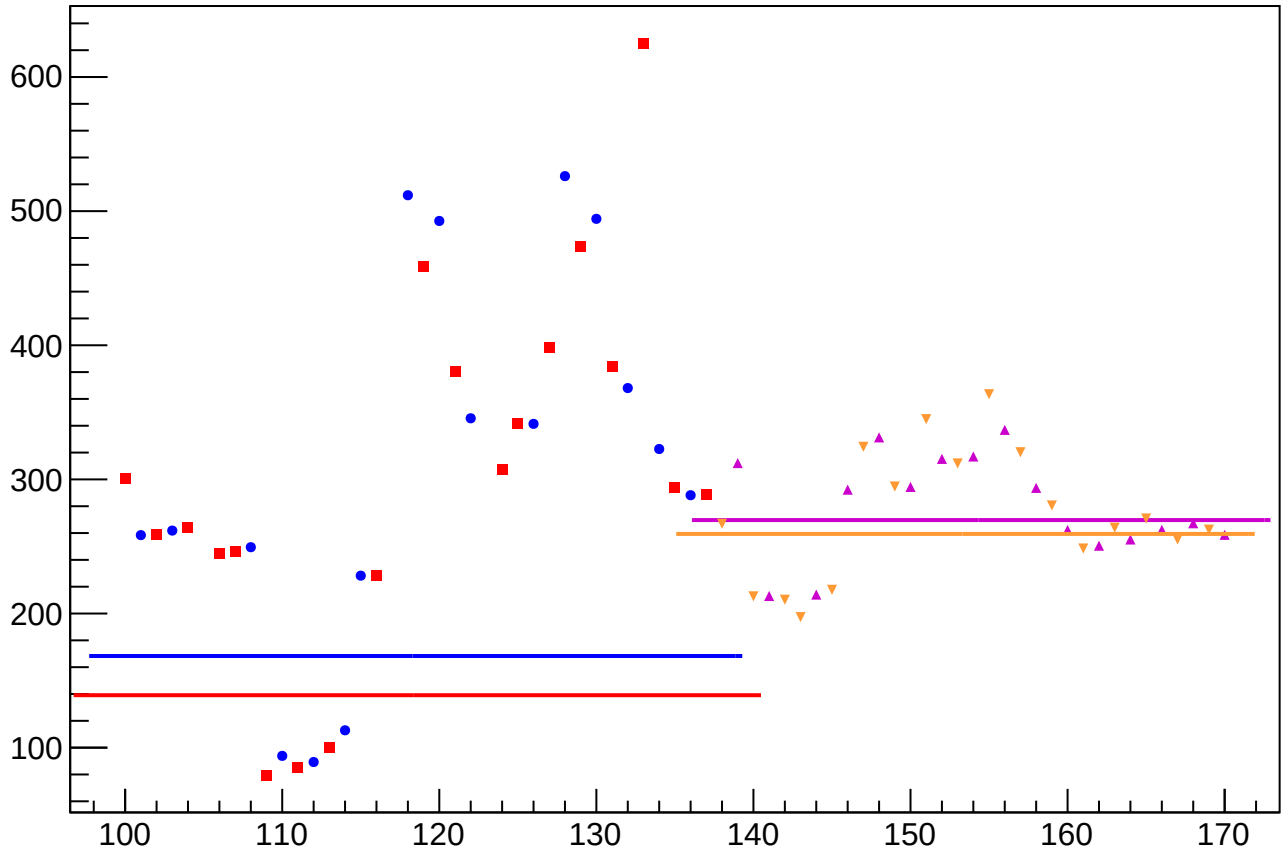
Left: -199.790+/-51.991 χ^2/NDF: 61.4/32

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -59.886+/-53.489 χ^2/NDF:34.4/31

Out: -168.790+/-47.886 χ^2/NDF:60.4/35

All: -120.339+/-35.678 χ^2/NDF: 97.1/67



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.350+/-0.051 χ^2/NDF:798619.1/16

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.678+/-0.053 χ^2/NDF:527402.6/15

Left: 264.302+/-0.037 χ^2/NDF: 1345719.0/32

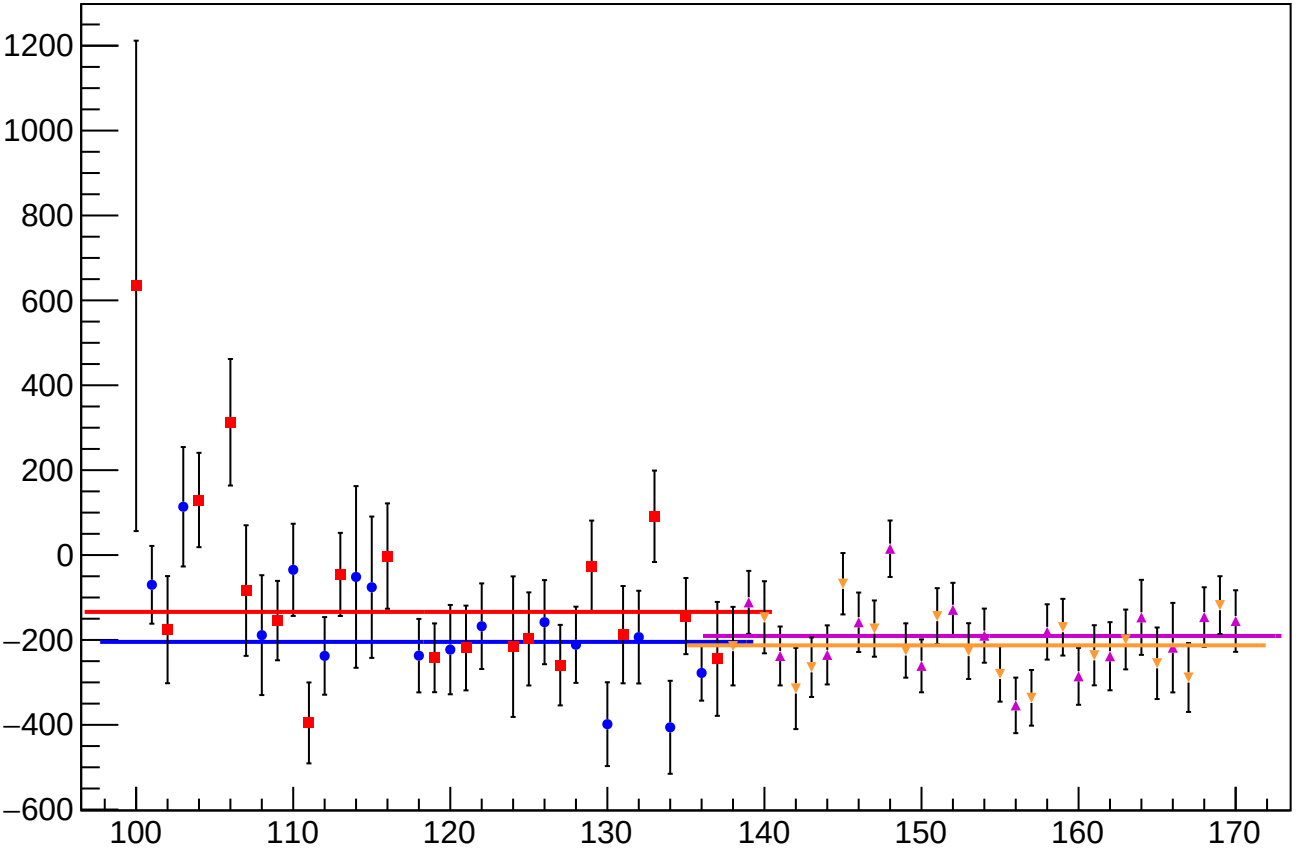
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 219.756+/-0.038 χ^2/NDF:6866150.6/31

Out: 192.211+/-0.034 χ^2/NDF:9038437.3/35

All: 204.466+/-0.025 χ^2/NDF: 16199017.8/67

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -212.717+/-17.422 χ^2/NDF:16.1/16

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -190.586+/-17.585 χ^2/NDF:23.6/15

Left: -201.754+/-12.377 χ^2/NDF: 40.4/32

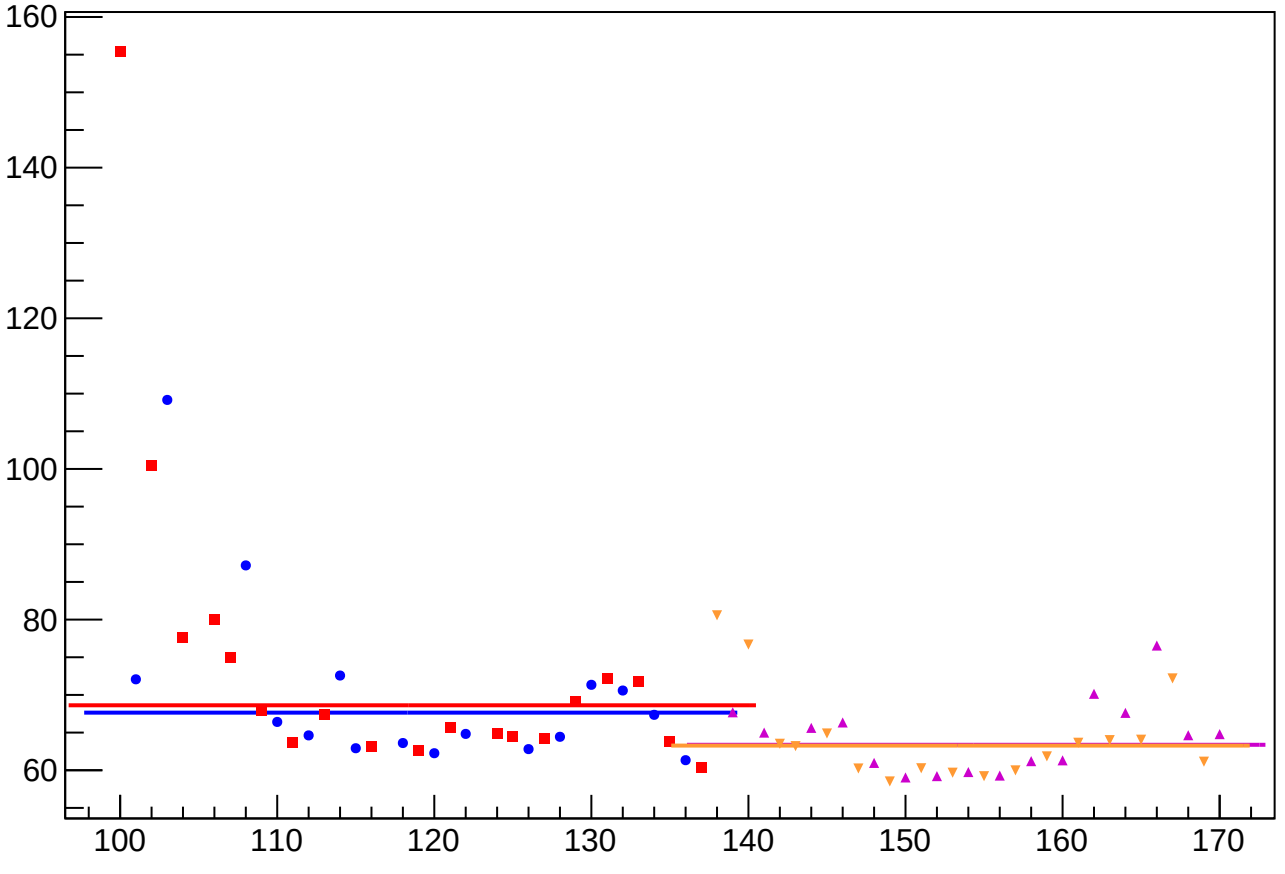
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -195.090+/-14.481 χ^2/NDF:43.8/31

Out: -187.620+/-14.382 χ^2/NDF:59.8/35

All: -191.329+/-10.205 χ^2/NDF: 103.7/67

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.274+/-0.012 χ^2/NDF:186579.4/16

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.379+/-0.012 χ^2/NDF:104174.6/15

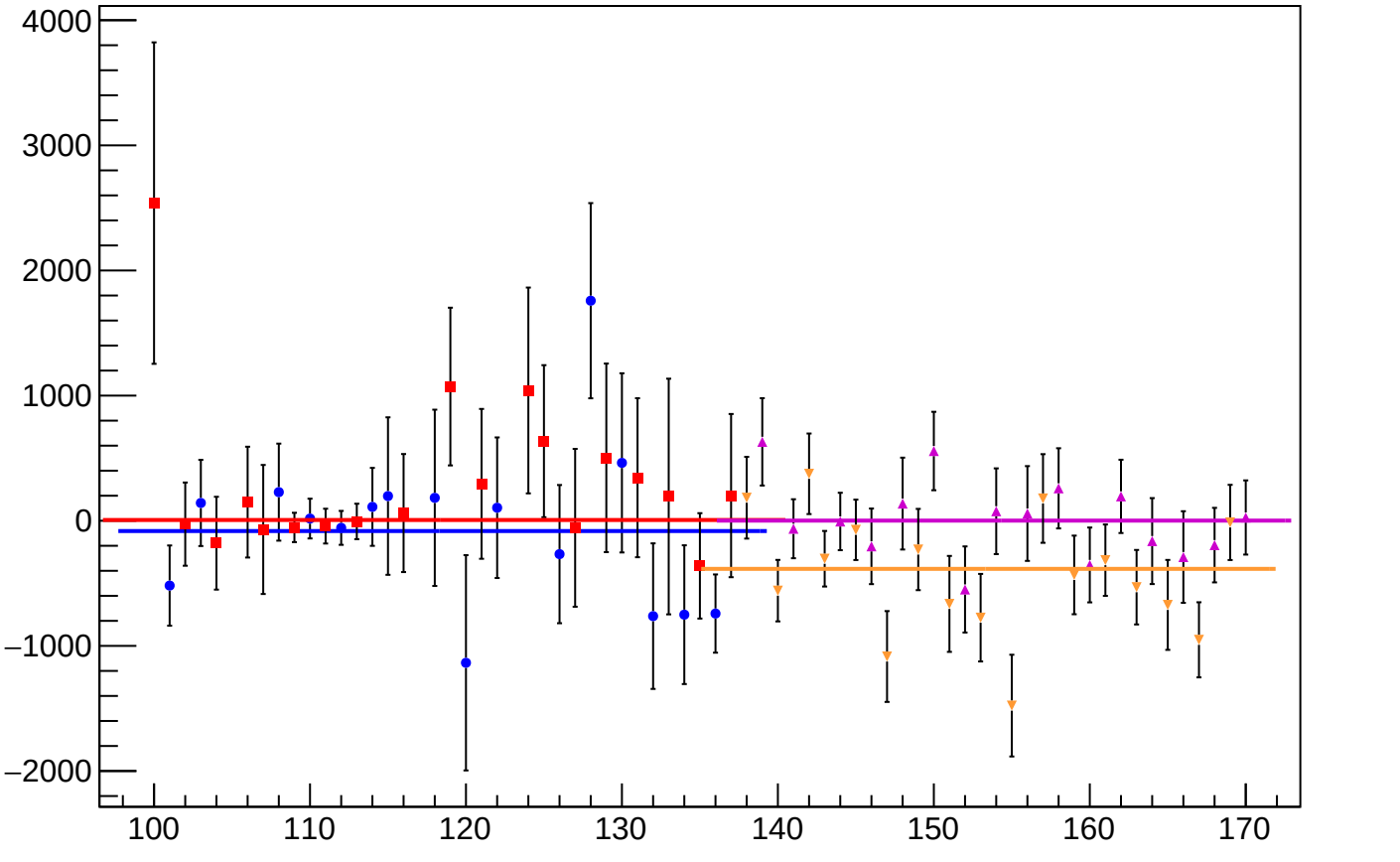
Left: 63.326+/-0.009 χ^2/NDF: 290789.5/32

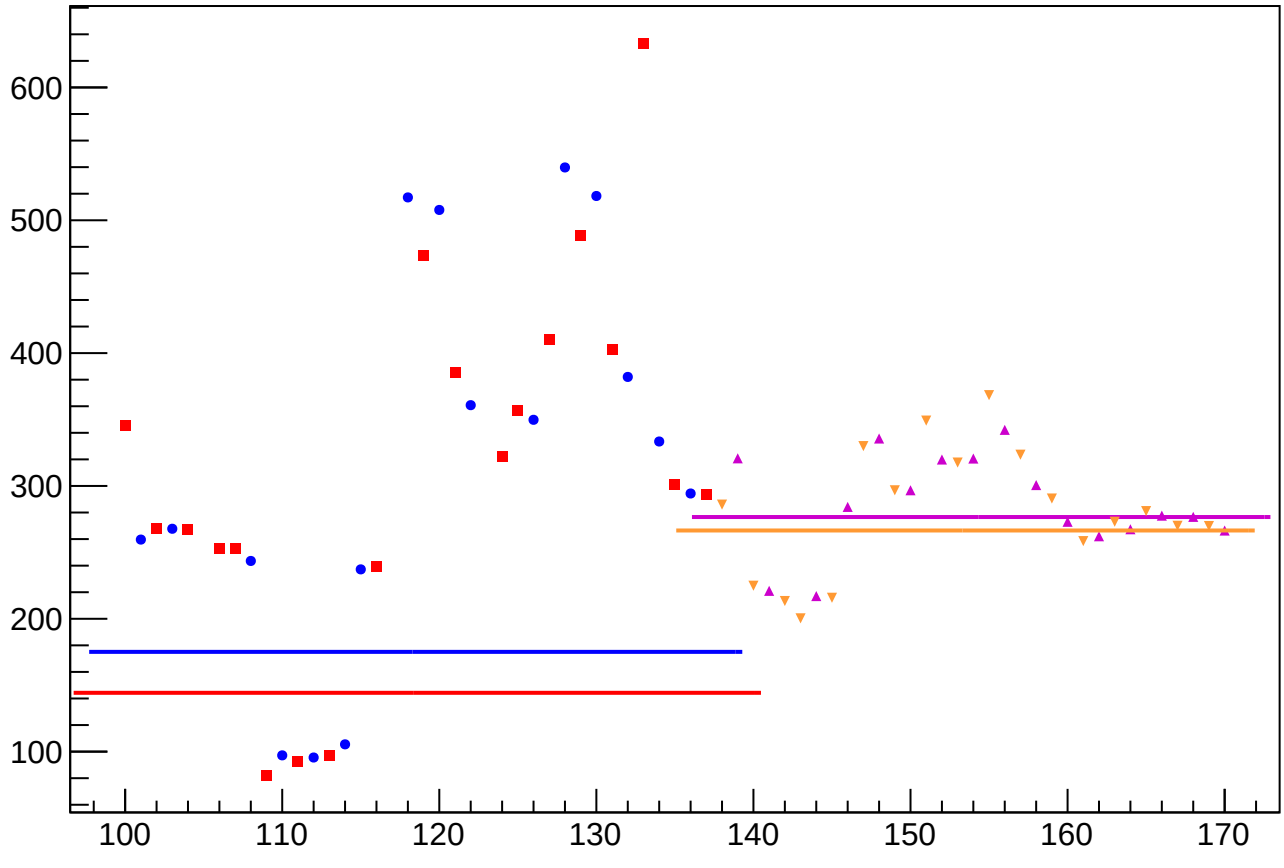
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.753+/-0.010 χ^2/NDF:405776.4/31

Out: 64.978+/-0.010 χ^2/NDF:494803.7/35

All: 64.866+/-0.007 χ^2/NDF: 900824.2/67


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -384.458+/-73.969 χ²/NDF:32.5/16
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 1.087+/-76.944 χ²/NDF:13.5/15
Left: -199.286+/-53.325 χ²/NDF: 59.0/32
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -39.644+/-55.010 χ²/NDF:33.3/31
Out: -166.774+/-49.209 χ²/NDF:60.0/35
All: -110.263+/-36.676 χ²/NDF: 96.3/67



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.473+/-0.052 χ^2/NDF:794531.8/16

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 276.606+/-0.054 χ^2/NDF:484188.8/15

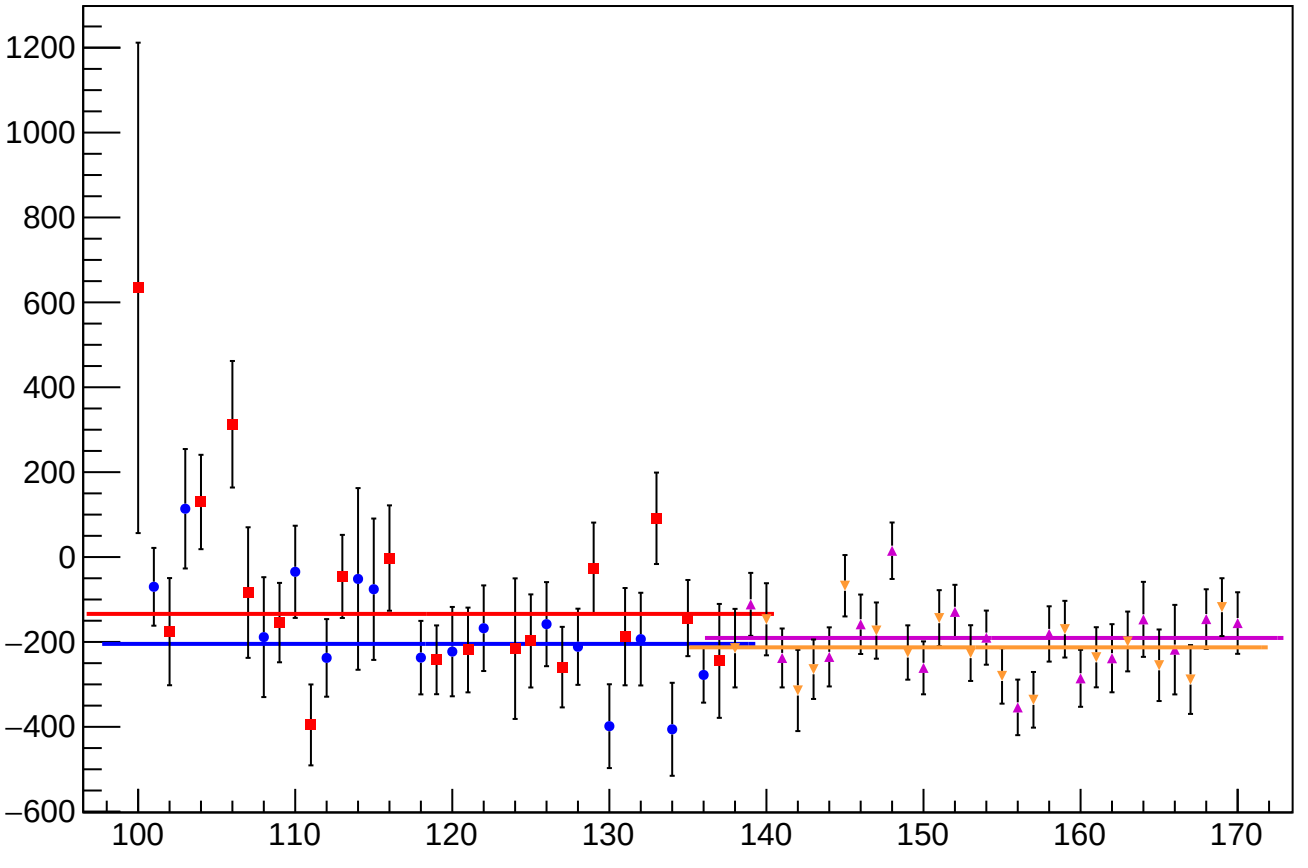
Left: 271.340+/-0.038 χ^2/NDF: 1296747.5/32

Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 226.982+/-0.039 χ^2/NDF:6614893.6/31

Out: 198.358+/-0.035 χ^2/NDF:8969527.4/35

All: 211.082+/-0.026 χ^2/NDF: 15885220.5/67



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -212.716+/-17.422 χ^2/NDF:16.1/16

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -190.587+/-17.585 χ^2/NDF:23.6/15

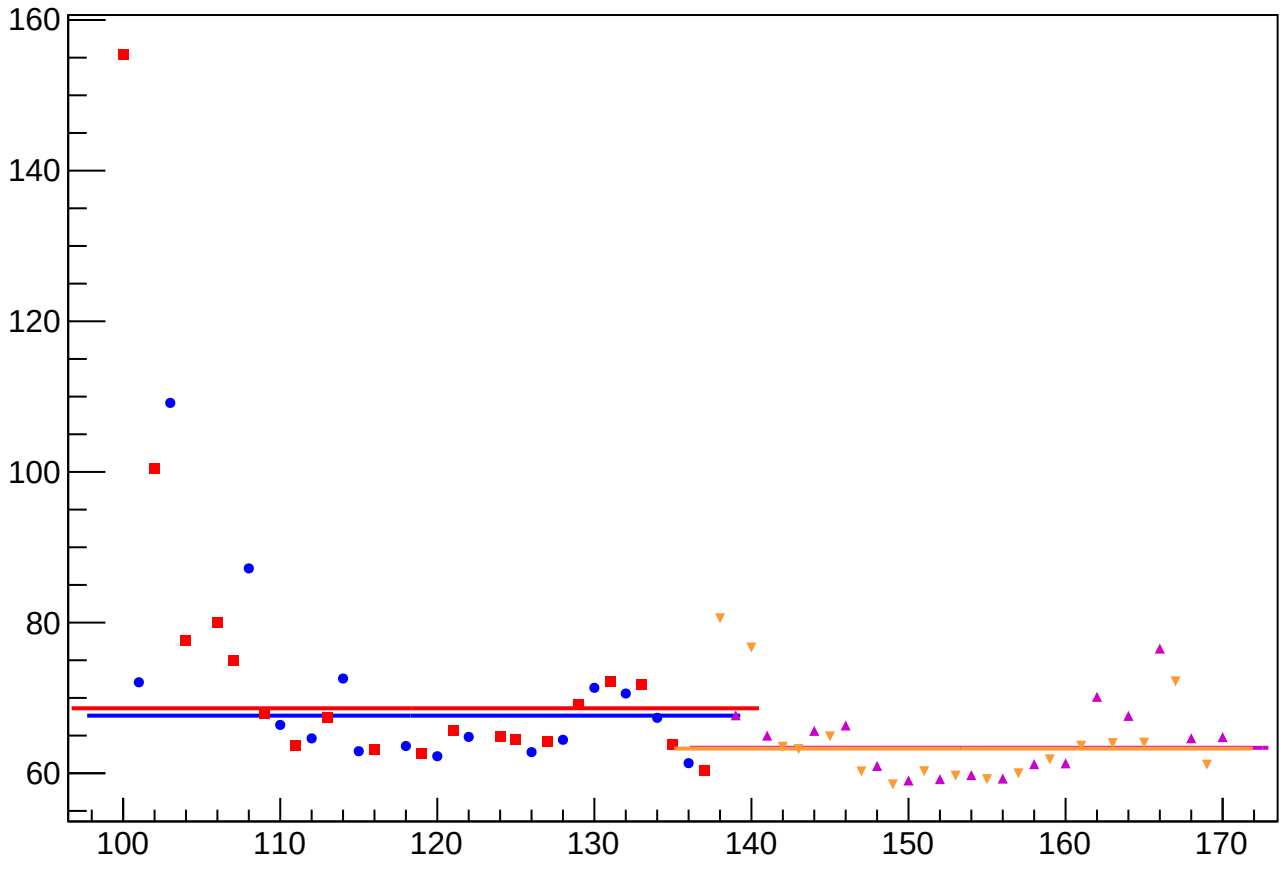
Left: -201.755+/-12.377 χ^2/NDF: 40.4/32

Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -195.090+/-14.481 χ^2/NDF:43.8/31

Out: -187.619+/-14.382 χ^2/NDF:59.8/35

All: -191.329+/-10.205 χ^2/NDF: 103.7/67



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.275+/-0.012 χ^2/NDF:186578.4/16

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.379+/-0.012 χ^2/NDF:104174.8/15

Left: 63.326+/-0.009 χ^2/NDF: 290788.7/32

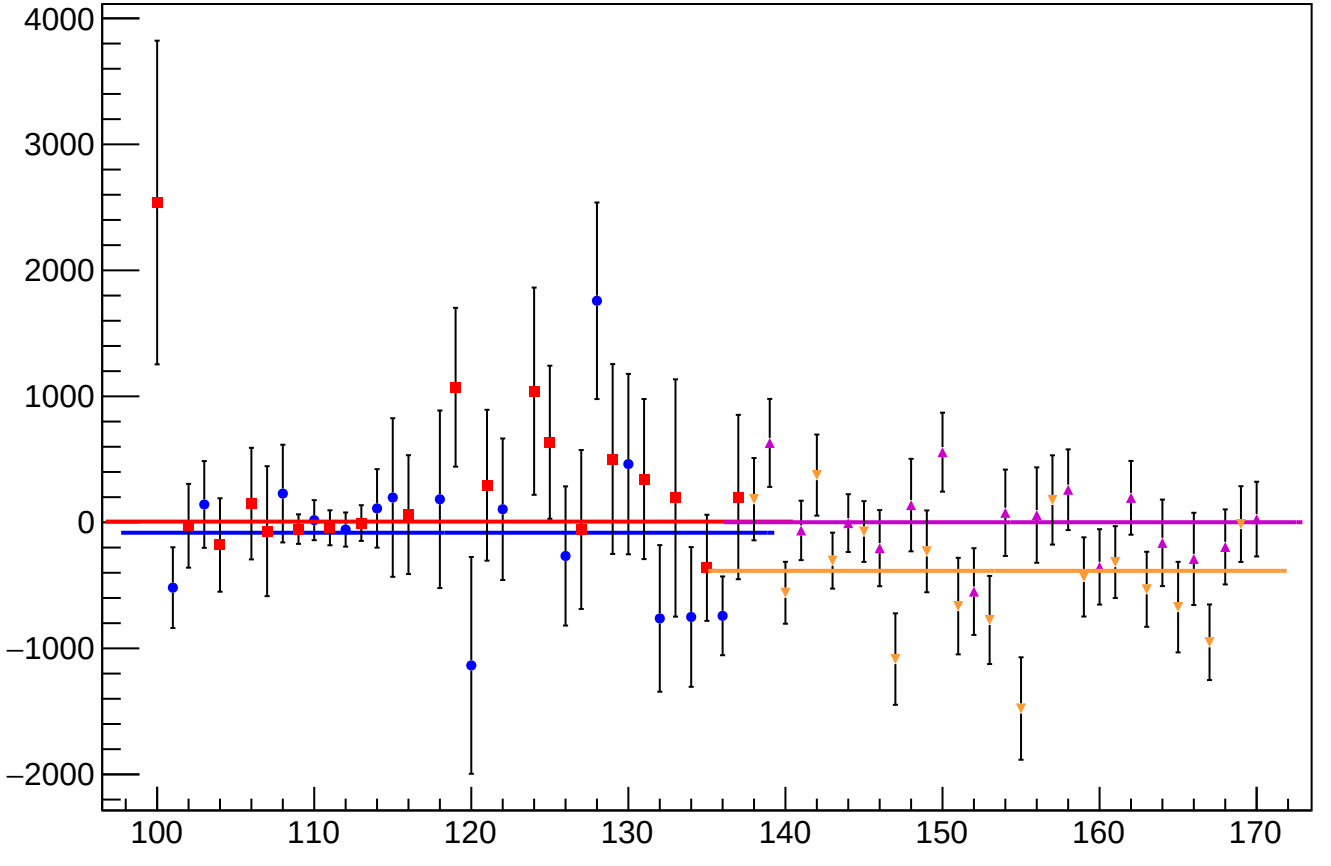
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.753+/-0.010 χ^2/NDF:405771.9/31

Out: 64.978+/-0.010 χ^2/NDF:494799.0/35

All: 64.866+/-0.007 χ^2/NDF: 900814.9/67

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -384.457+/-73.968 χ^2/NDF:32.5/16

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 1.086+/-76.944 χ^2/NDF:13.5/15

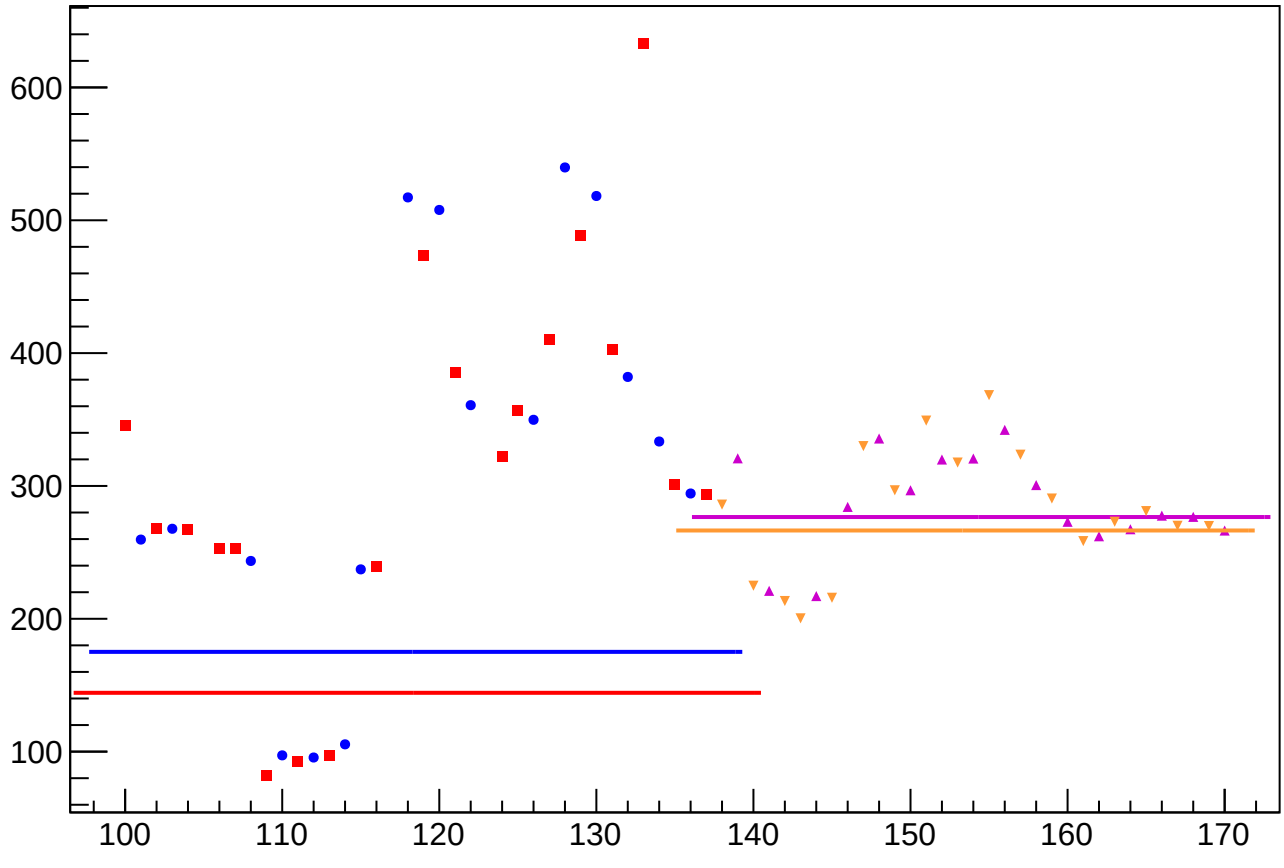
Left: -199.285+/-53.325 χ^2/NDF: 59.0/32

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.643+/-55.010 χ^2/NDF:33.3/31

Out: -166.775+/-49.209 χ^2/NDF:60.0/35

All: -110.263+/-36.676 χ^2/NDF: 96.3/67



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.472+/-0.052 χ^2/NDF:794540.5/16

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 276.605+/-0.054 χ^2/NDF:484190.6/15

Left: 271.339+/-0.038 χ^2/NDF: 1296758.5/32

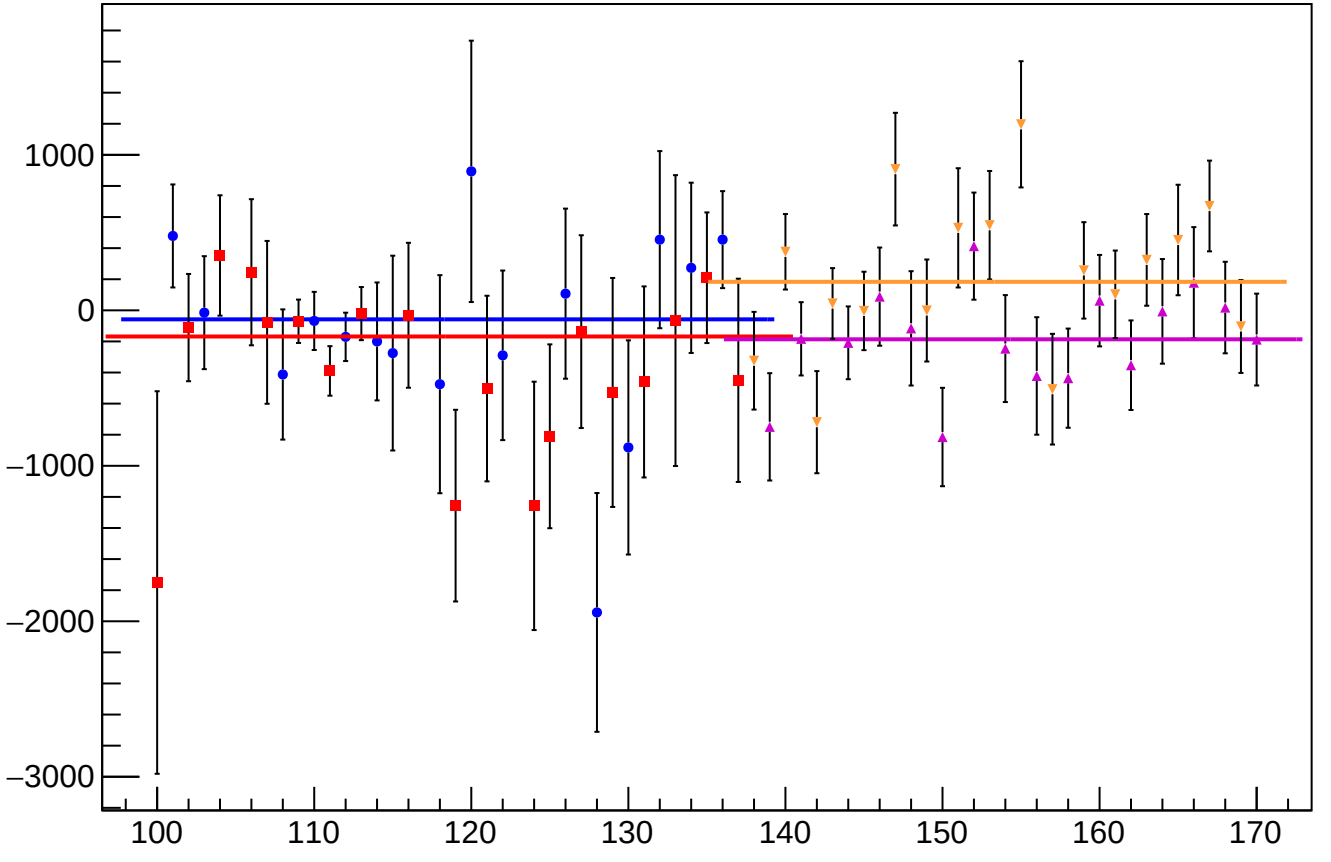
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 226.981+/-0.039 χ^2/NDF:6614949.6/31

Out: 198.358+/-0.035 χ^2/NDF:8969499.3/35

All: 211.081+/-0.026 χ^2/NDF: 15885235.4/67

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 183.452+/-73.995 χ^2/NDF:32.6/16

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -186.332+/-76.912 χ^2/NDF:14.3/15

Left: 5.704+/-53.324 χ^2/NDF: 58.9/32

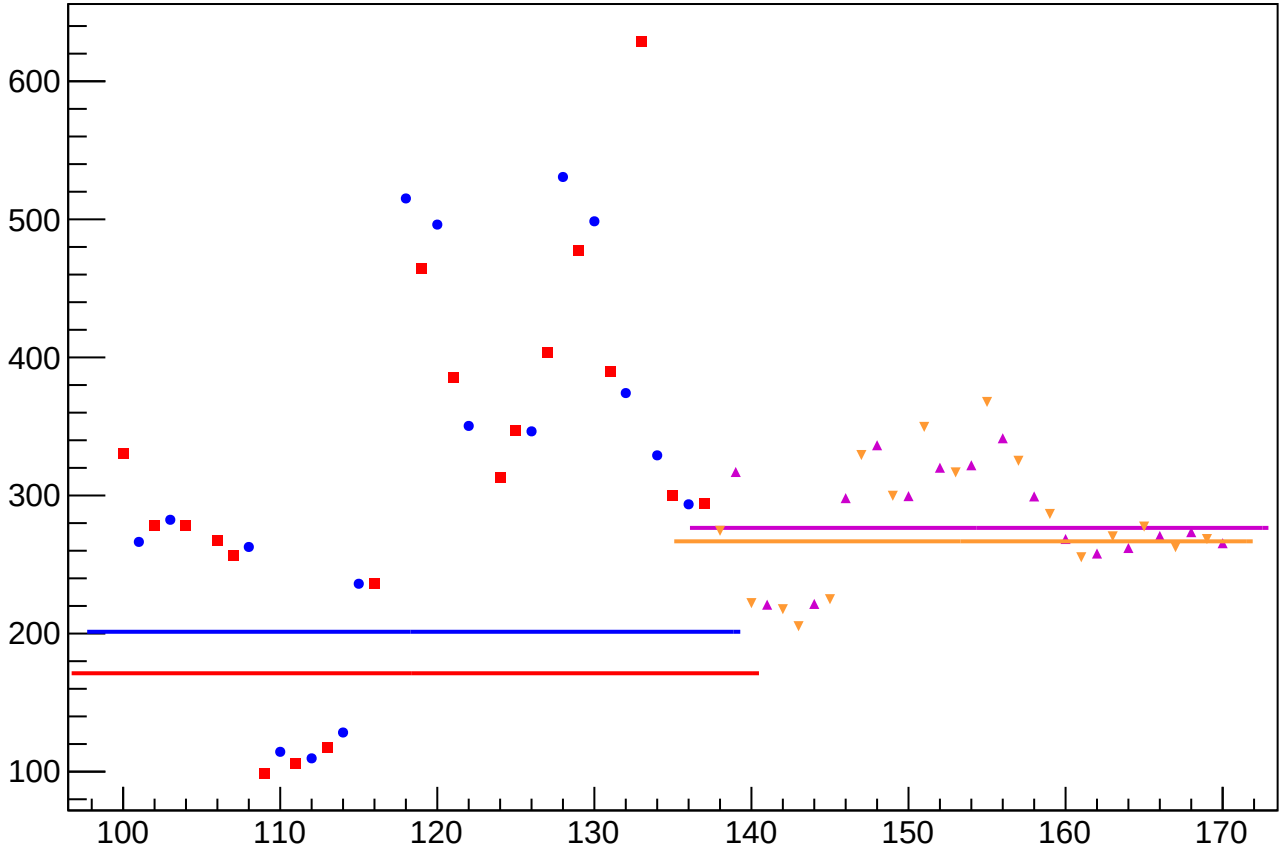
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -129.942+/-57.591 χ^2/NDF:32.9/31

Out: 8.992+/-52.534 χ^2/NDF:59.3/35

All: -54.109+/-38.812 χ^2/NDF: 95.4/67

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.805+/-0.052 χ^2/NDF:720656.7/16

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 276.540+/-0.054 χ^2/NDF:475560.4/15

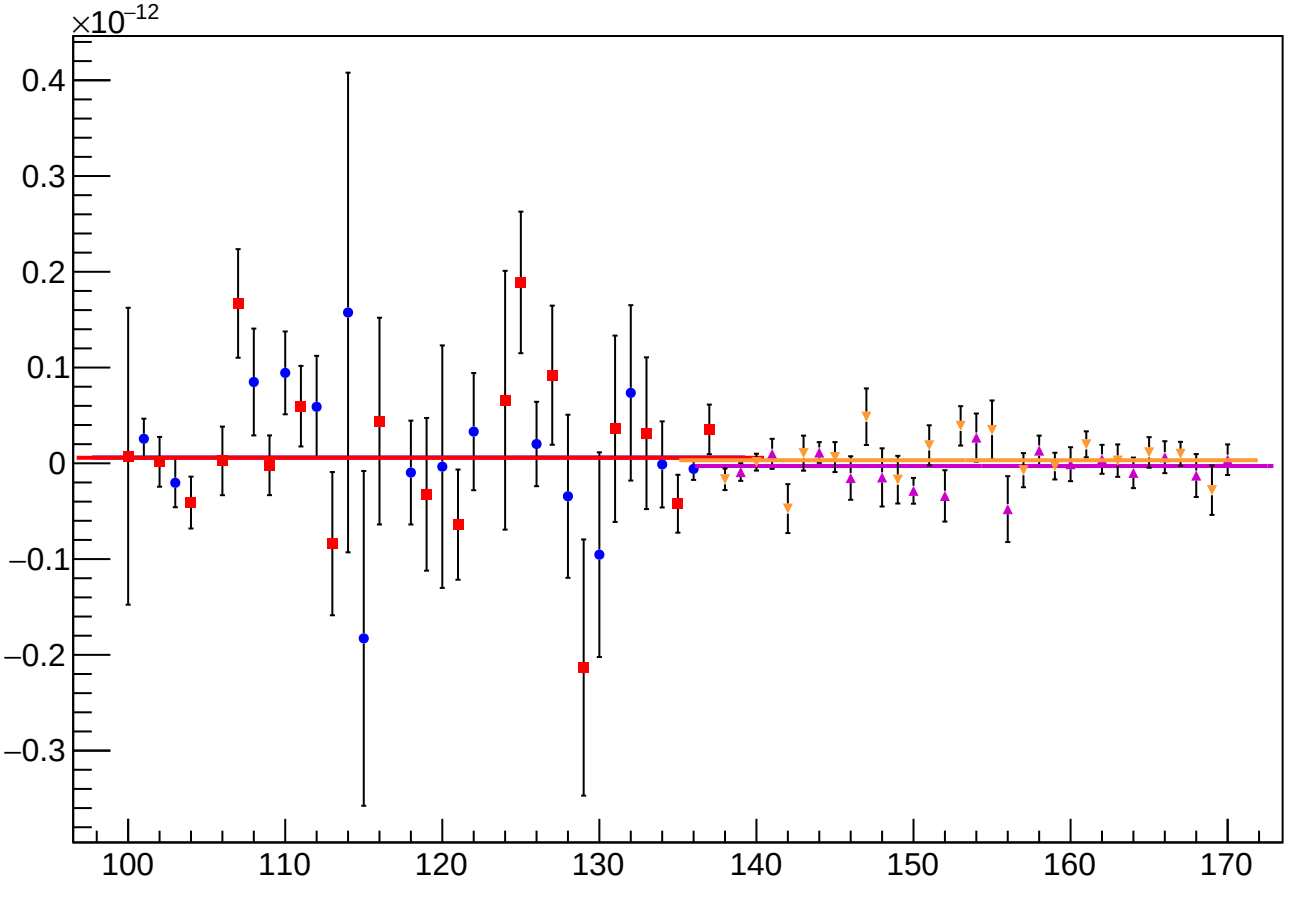
Left: 271.484+/-0.038 χ^2/NDF: 1212856.5/32

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 243.487+/-0.041 χ^2/NDF:4888552.6/31

Out: 219.416+/-0.037 χ^2/NDF:6567249.3/35

All: 230.348+/-0.027 χ^2/NDF: 11646511.1/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

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

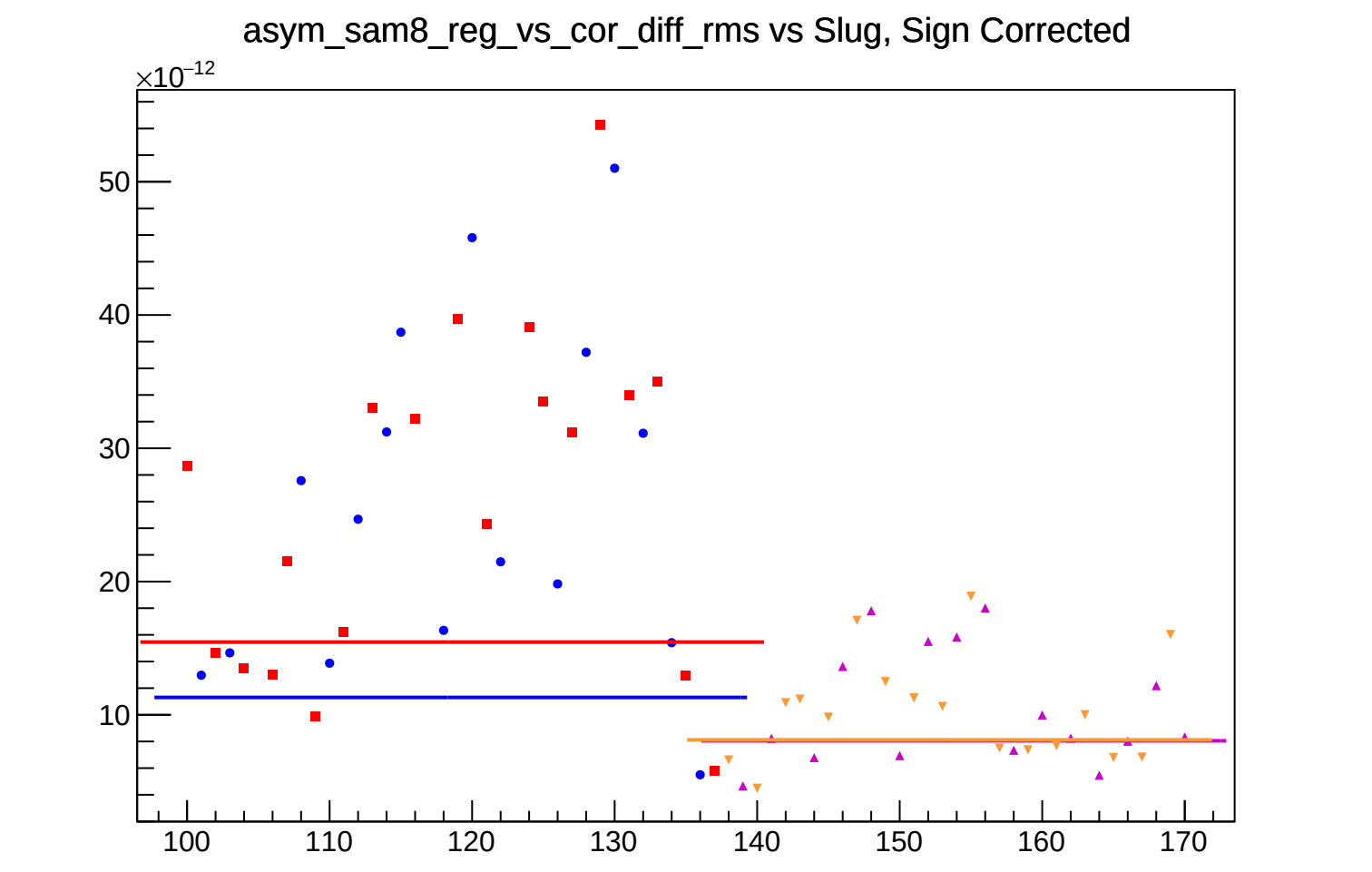
Left: 0.000+/-0.000 χ^2/NDF: 33.8/32

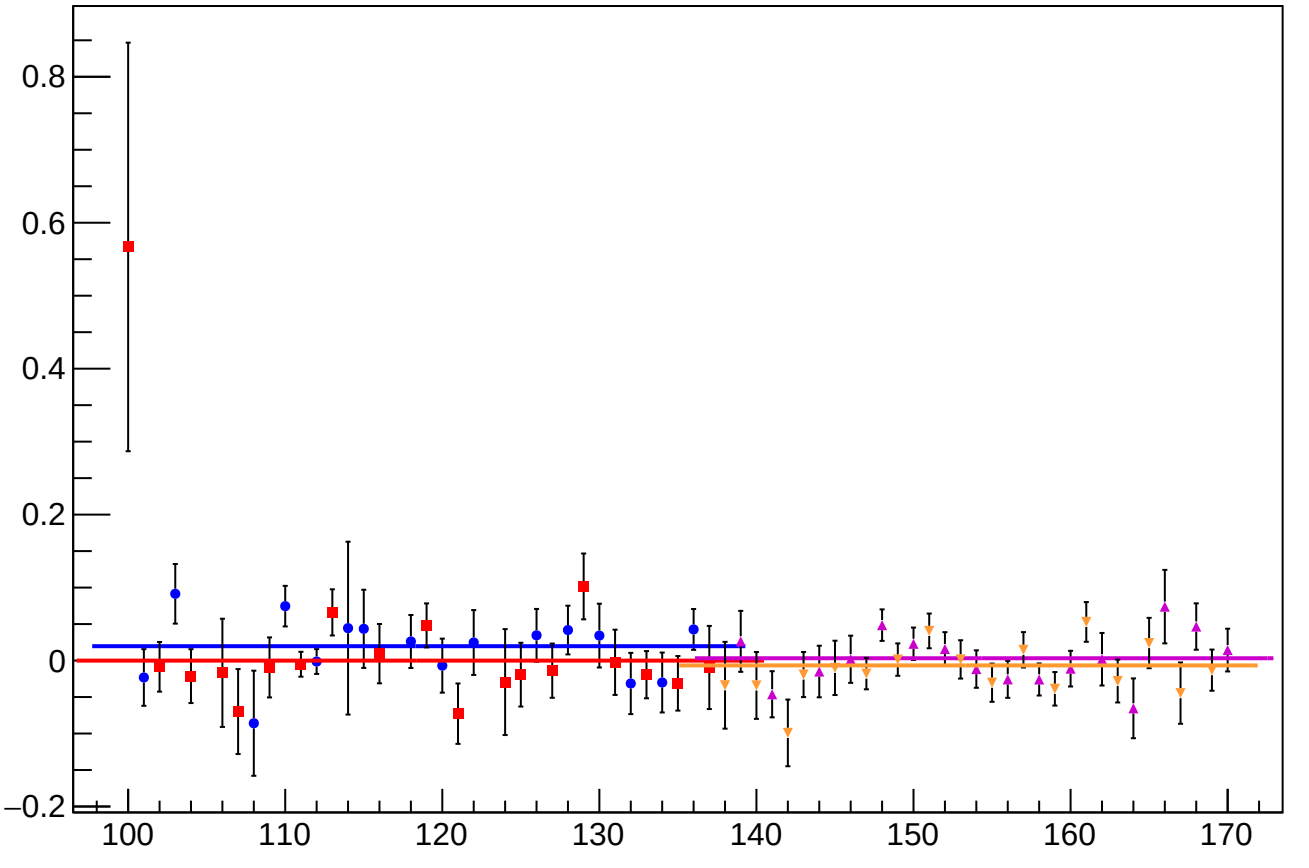
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:28.3/31

Out: 0.000+/-0.000 χ^2/NDF:49.6/35

All: 0.000+/-0.000 χ^2/NDF: 78.7/67


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:1302110.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1300677.1/15
Left: 0.000+/-0.000 χ²/NDF: 2603136.9/32
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3340171.5/31
Out: 0.000+/-0.000 χ²/NDF:3649845.0/35
All: 0.000+/-0.000 χ²/NDF: 7000700.1/67



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.007 χ^2/NDF:19.8/16

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.003+/-0.007 χ^2/NDF:19.1/15

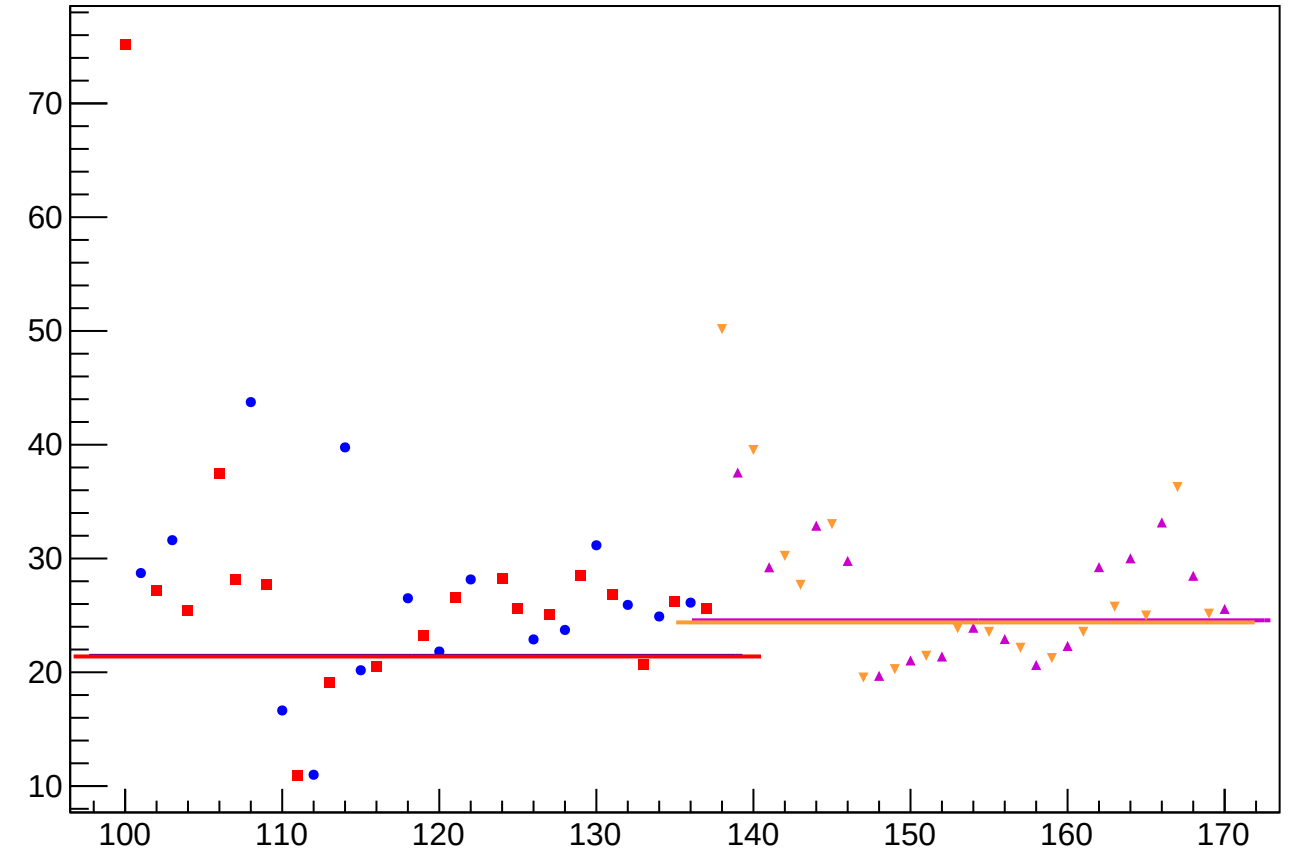
Left: -0.002+/-0.005 χ^2/NDF: 39.9/32

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.0/35

All: 0.003+/-0.004 χ^2/NDF: 84.5/67



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.383+/-0.005 χ^2/NDF:1183599.3/16

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.567+/-0.005 χ^2/NDF:841121.8/15

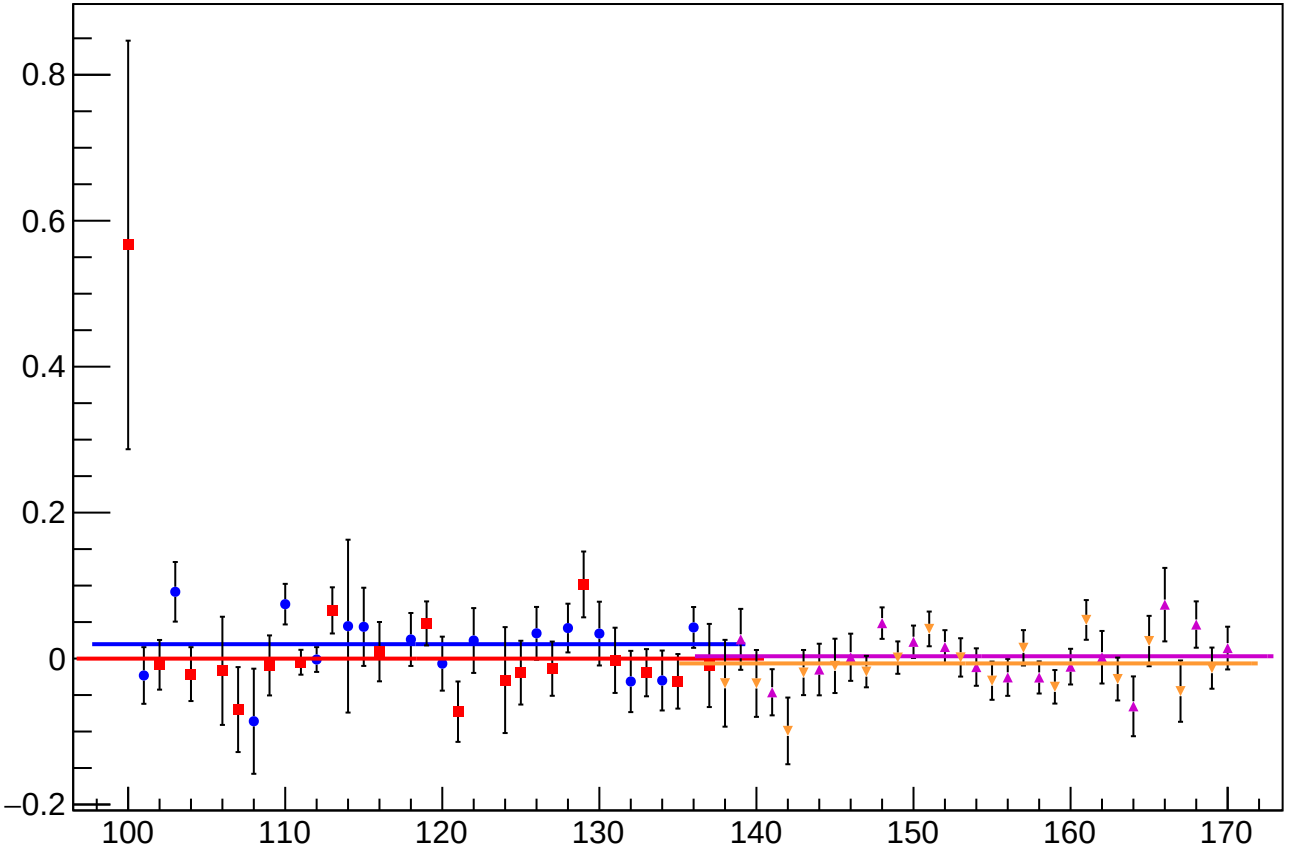
Left: 24.474+/-0.004 χ^2/NDF: 2025410.5/32

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.327+/-0.004 χ^2/NDF:2537786.0/31

Out: 23.183+/-0.004 χ^2/NDF:2643912.5/35

All: 23.253+/-0.003 χ^2/NDF: 5182402.1/67



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.007 χ^2/NDF:19.8/16

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.003+/-0.007 χ^2/NDF:19.1/15

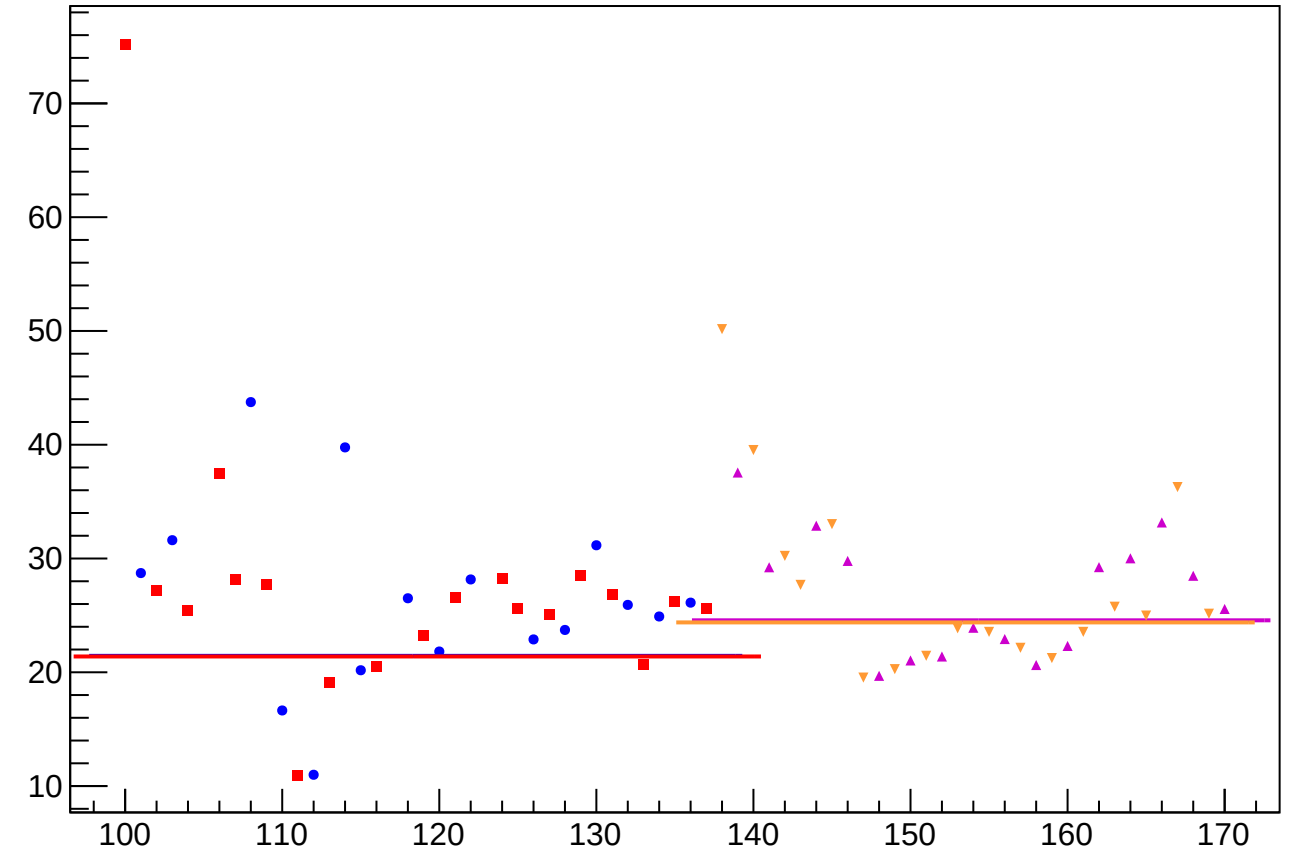
Left: -0.002+/-0.005 χ^2/NDF: 39.9/32

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.0/35

All: 0.003+/-0.004 χ^2/NDF: 84.5/67



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.383+/-0.005 χ^2/NDF:1183599.3/16

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.567+/-0.005 χ^2/NDF:841121.8/15

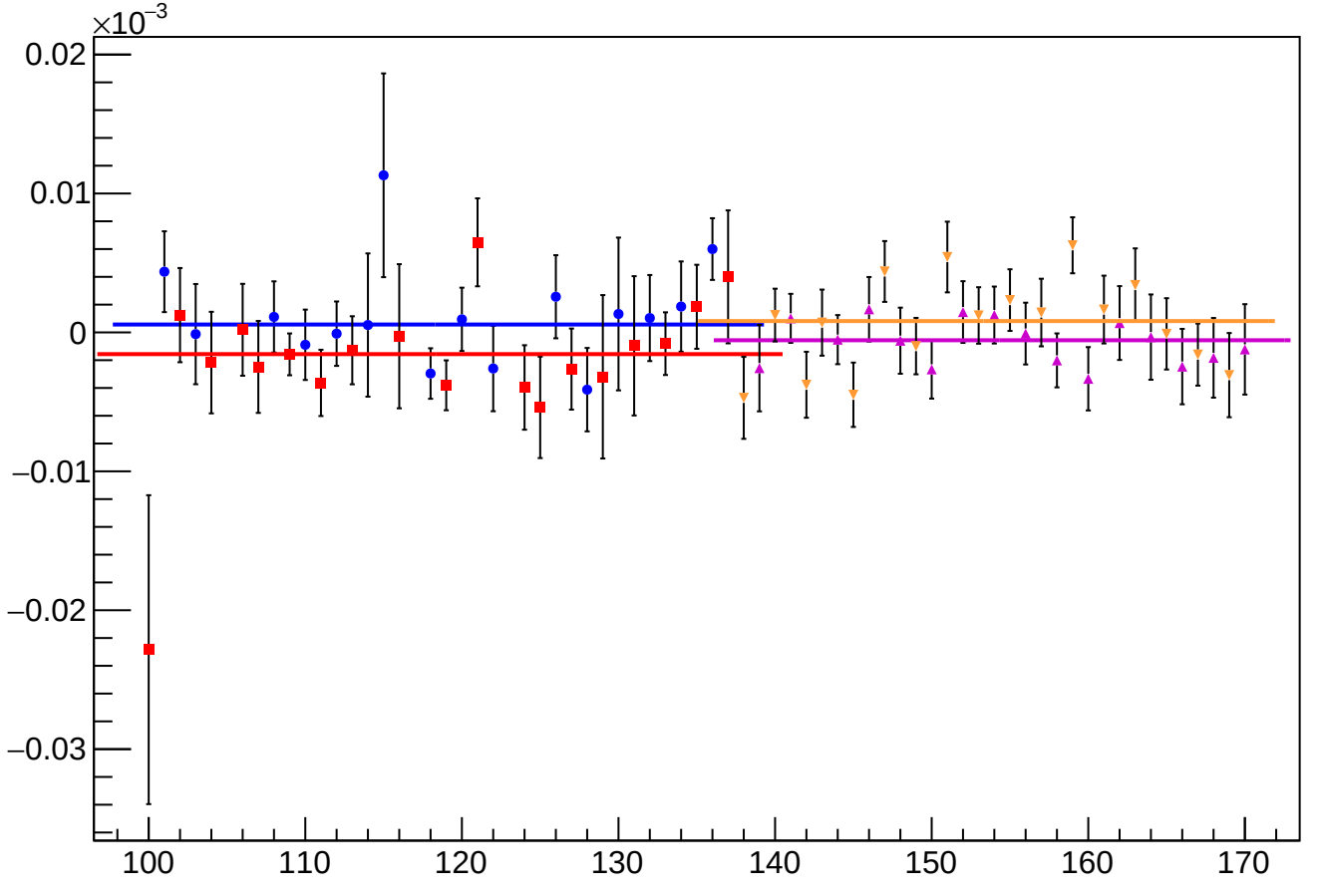
Left: 24.474+/-0.004 χ^2/NDF: 2025410.5/32

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.327+/-0.004 χ^2/NDF:2537786.0/31

Out: 23.183+/-0.004 χ^2/NDF:2643912.5/35

All: 23.253+/-0.003 χ^2/NDF: 5182402.1/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/15

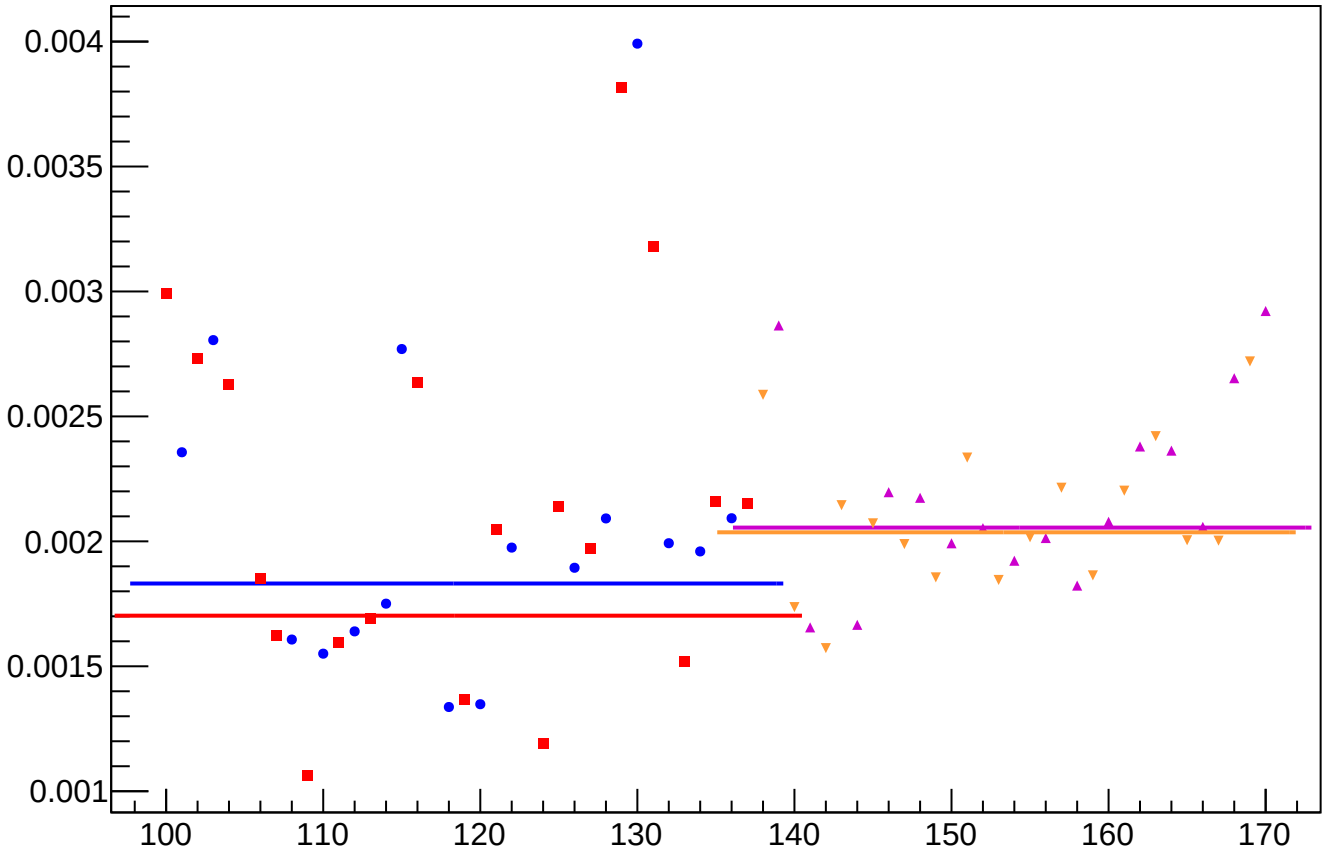
Left: 0.000+/-0.000 χ^2/NDF: 41.9/32

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:27.6/31

Out: -0.000+/-0.000 χ^2/NDF:57.0/35

All: -0.000+/-0.000 χ^2/NDF: 84.6/67



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:442101.2/16

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:665353.0/15

Left: 0.002+/-0.000 χ^2/NDF: 1108554.6/32

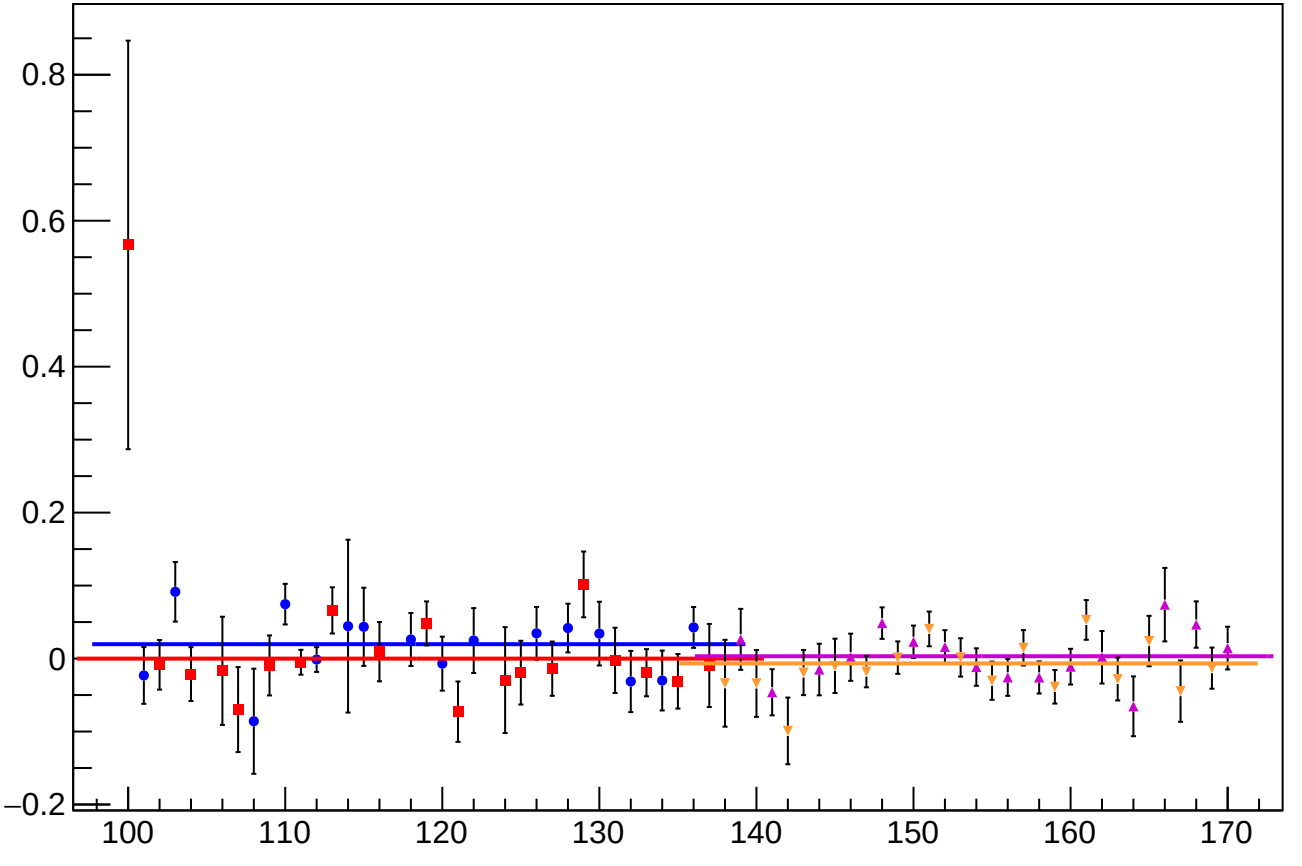
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1686570.5/31

Out: 0.002+/-0.000 χ^2/NDF:2217136.1/35

All: 0.002+/-0.000 χ^2/NDF: 3929531.2/67

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.007 χ^2/NDF:19.8/16

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.003+/-0.007 χ^2/NDF:19.1/15

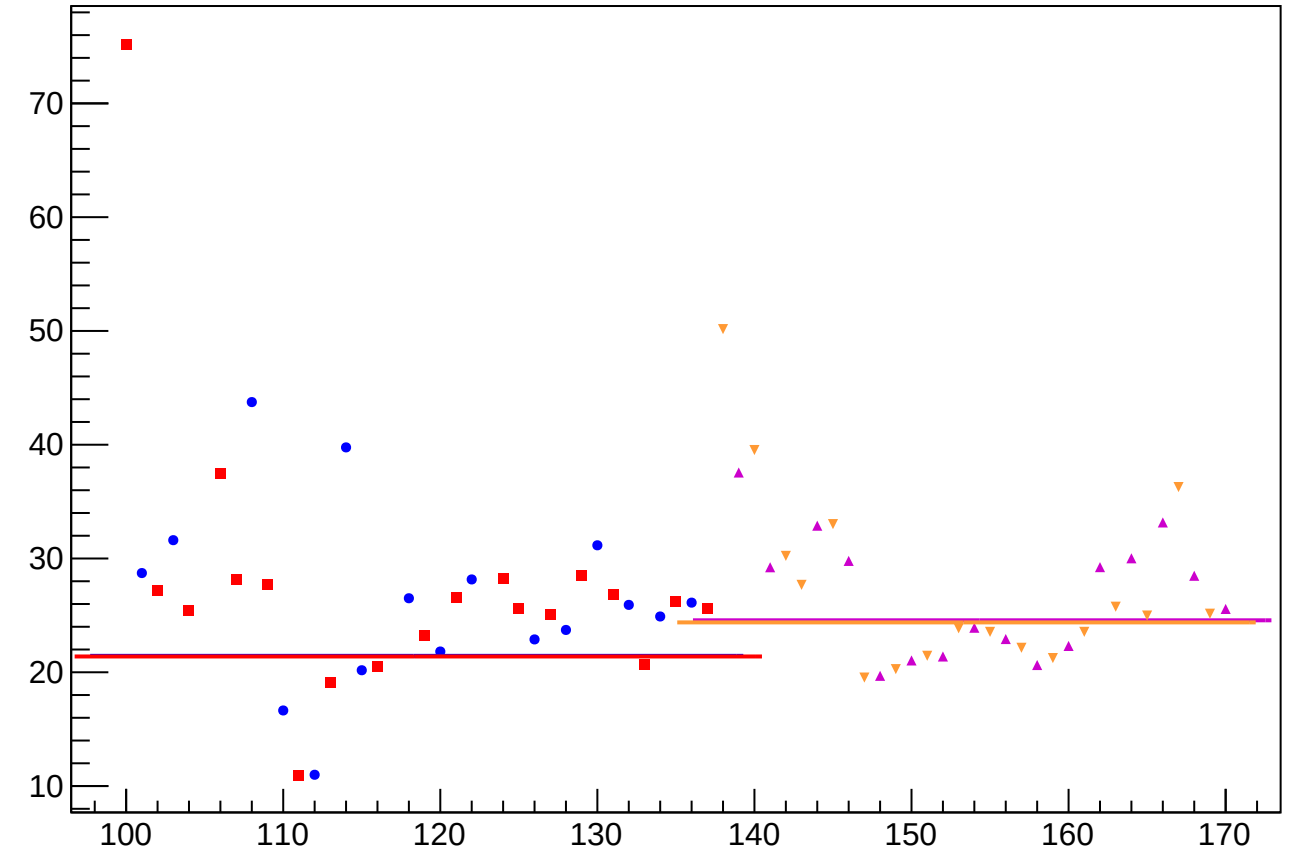
Left: -0.002+/-0.005 χ^2/NDF: 39.9/32

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.0/35

All: 0.003+/-0.004 χ^2/NDF: 84.5/67



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.383+/-0.005 χ^2/NDF:1183599.3/16

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.567+/-0.005 χ^2/NDF:841124.7/15

Left: 24.474+/-0.004 χ^2/NDF: 2025413.5/32

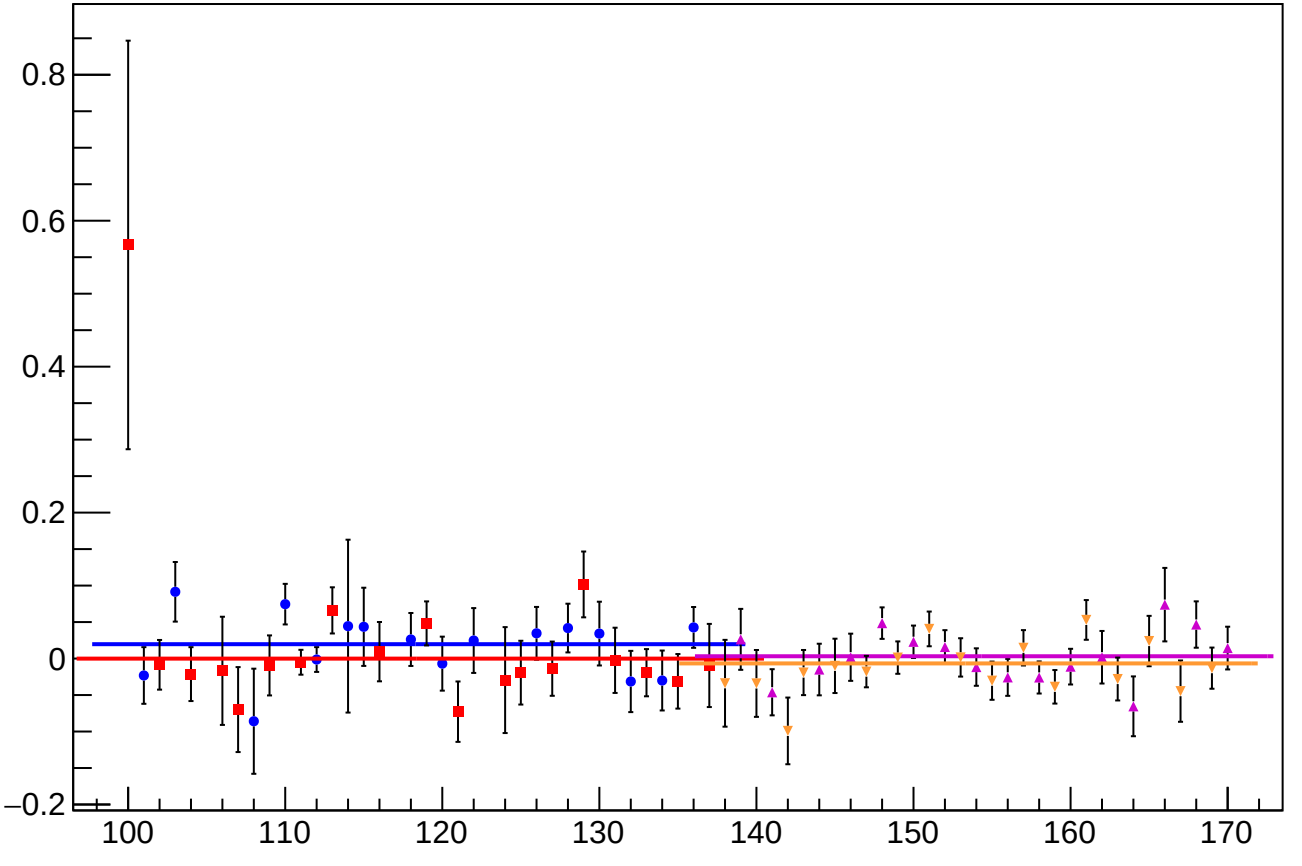
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.326+/-0.004 χ^2/NDF:2538018.7/31

Out: 23.182+/-0.004 χ^2/NDF:2644112.9/35

All: 23.253+/-0.003 χ^2/NDF: 5182835.3/67

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: -0.007+/-0.007 χ^2/NDF:19.8/16

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.003+/-0.007 χ^2/NDF:19.1/15

Left: -0.002+/-0.005 χ^2/NDF: 39.9/32

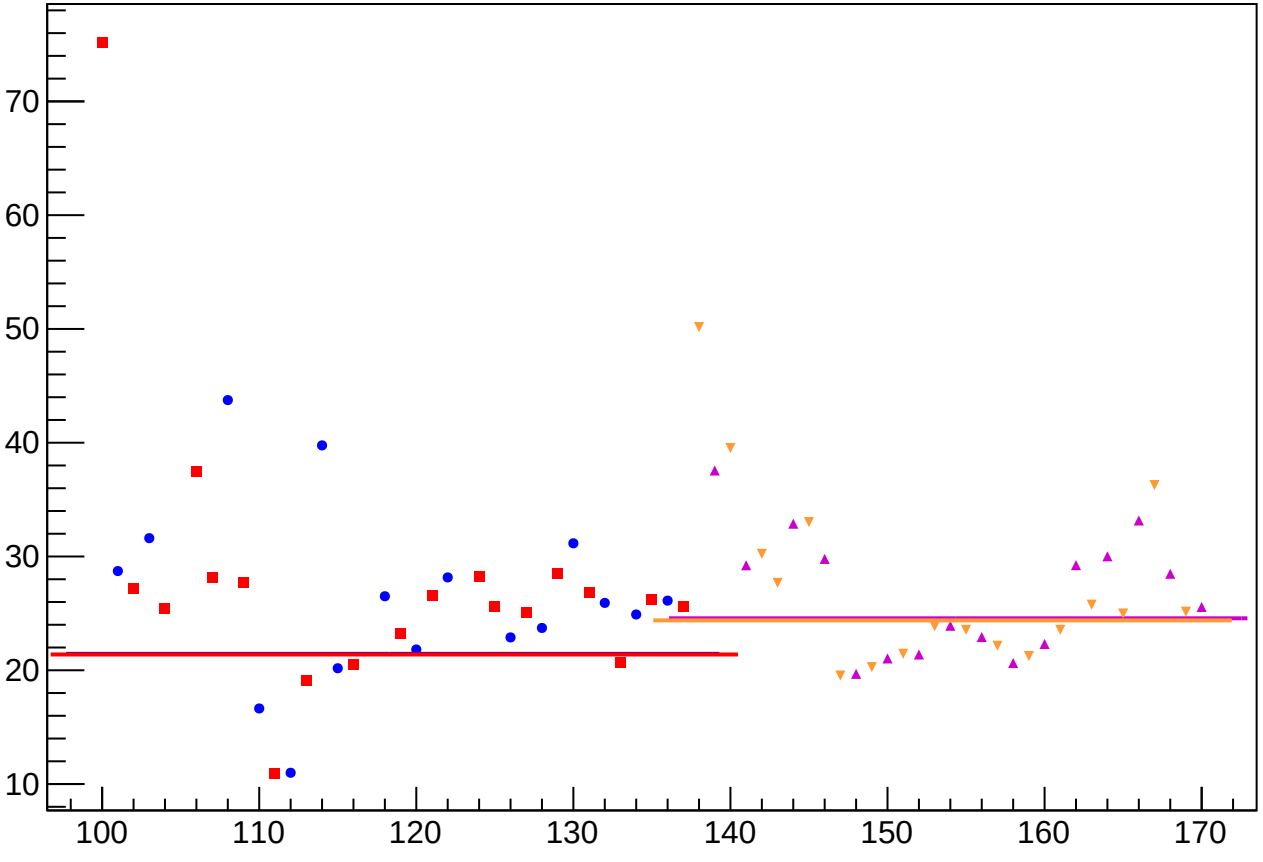
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.0/35

All: 0.003+/-0.004 χ^2/NDF: 84.5/67

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.383+/-0.005 χ^2/NDF:1183599.3/16

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.567+/-0.005 χ^2/NDF:841124.7/15

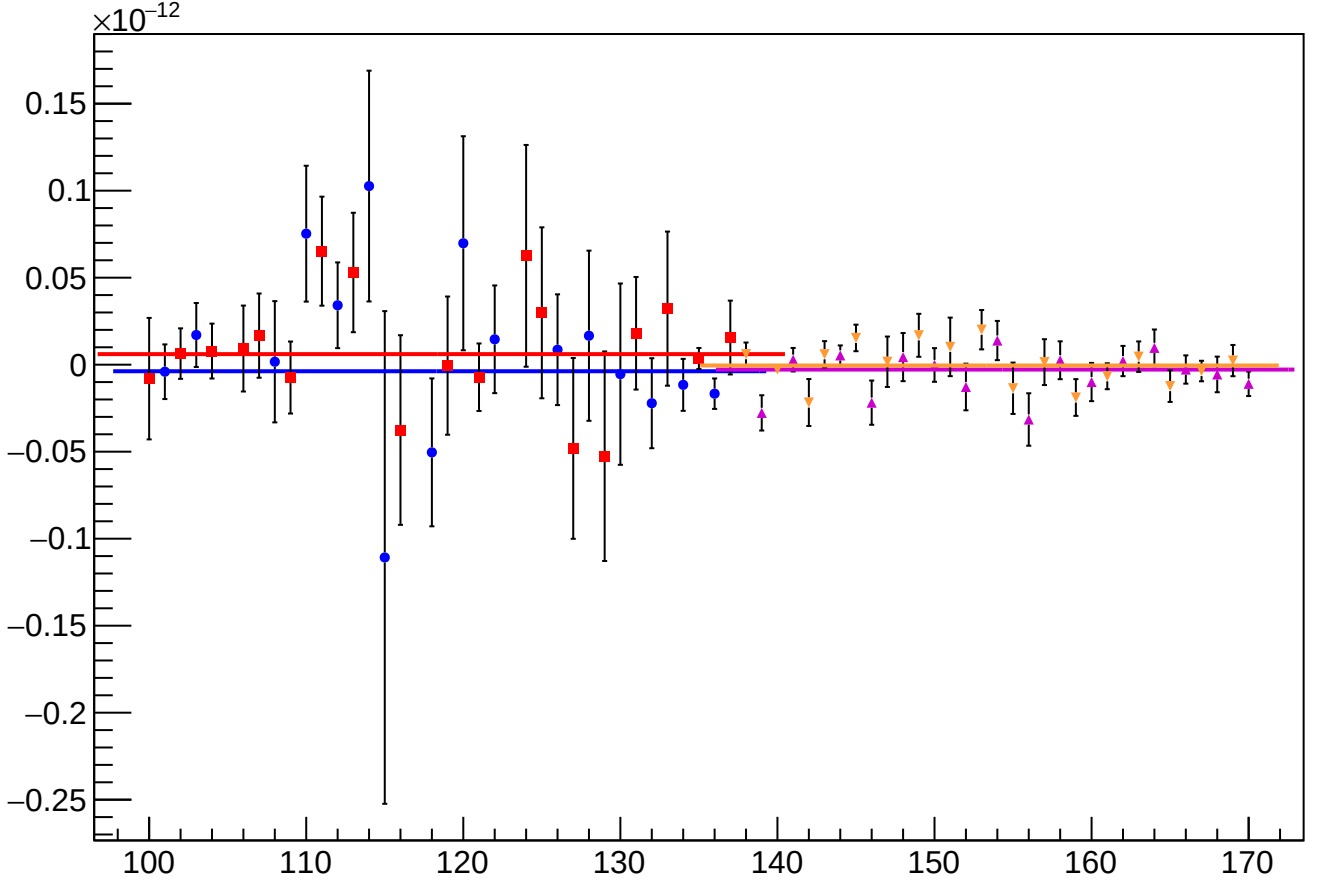
Left: 24.474+/-0.004 χ^2/NDF: 2025413.5/32

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.326+/-0.004 χ^2/NDF:2538018.7/31

Out: 23.182+/-0.004 χ^2/NDF:2644112.9/35

All: 23.253+/-0.003 χ^2/NDF: 5182835.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/15

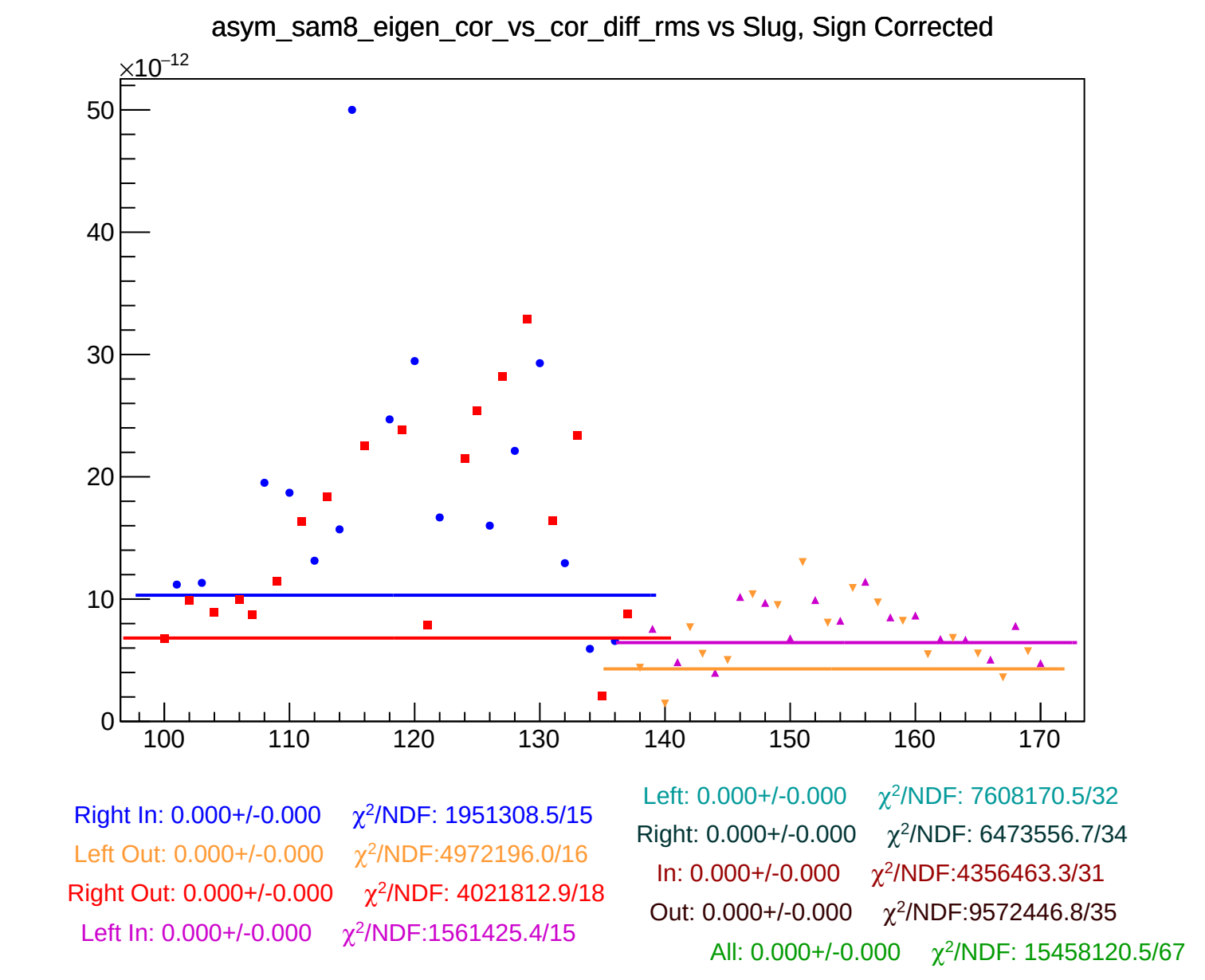
Left: -0.000+/-0.000 χ^2/NDF: 43.9/32

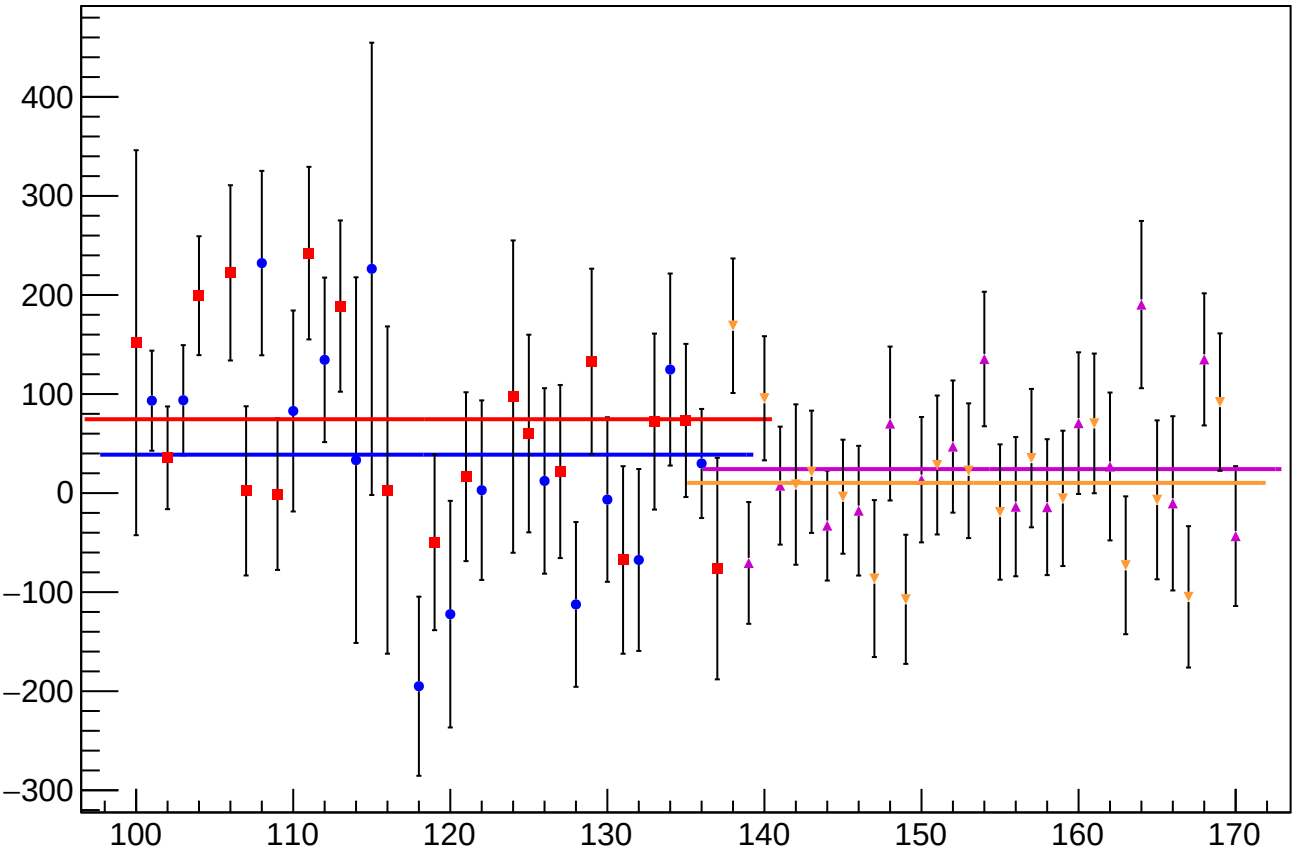
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:38.7/31

Out: 0.000+/-0.000 χ^2/NDF:35.0/35

All: -0.000+/-0.000 χ^2/NDF: 75.4/67


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:4972196.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1561425.4/15
Left: 0.000+/-0.000 χ²/NDF: 7608170.5/32
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4356463.3/31
Out: 0.000+/-0.000 χ²/NDF:9572446.8/35
All: 0.000+/-0.000 χ²/NDF: 15458120.5/67



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 10.303+/-16.660 χ^2/NDF:18.8/16

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 24.208+/-17.033 χ^2/NDF:15.8/15

Left: 17.102+/-11.910 χ^2/NDF: 35.0/32

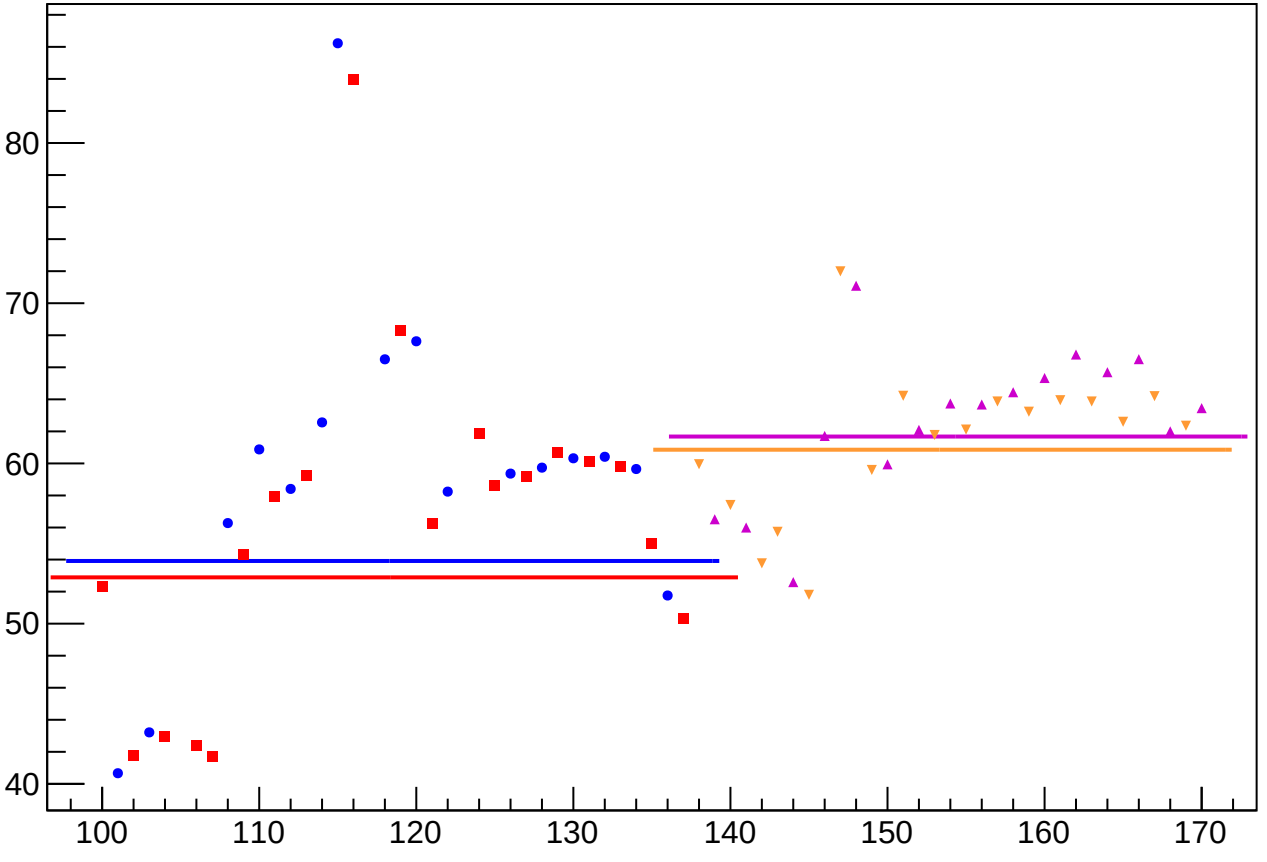
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 30.190+/-13.078 χ^2/NDF:39.4/31

Out: 36.944+/-12.748 χ^2/NDF:47.4/35

All: 33.653+/-9.129 χ^2/NDF: 87.0/67

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.856+/-0.012 χ^2/NDF:150903.9/16

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

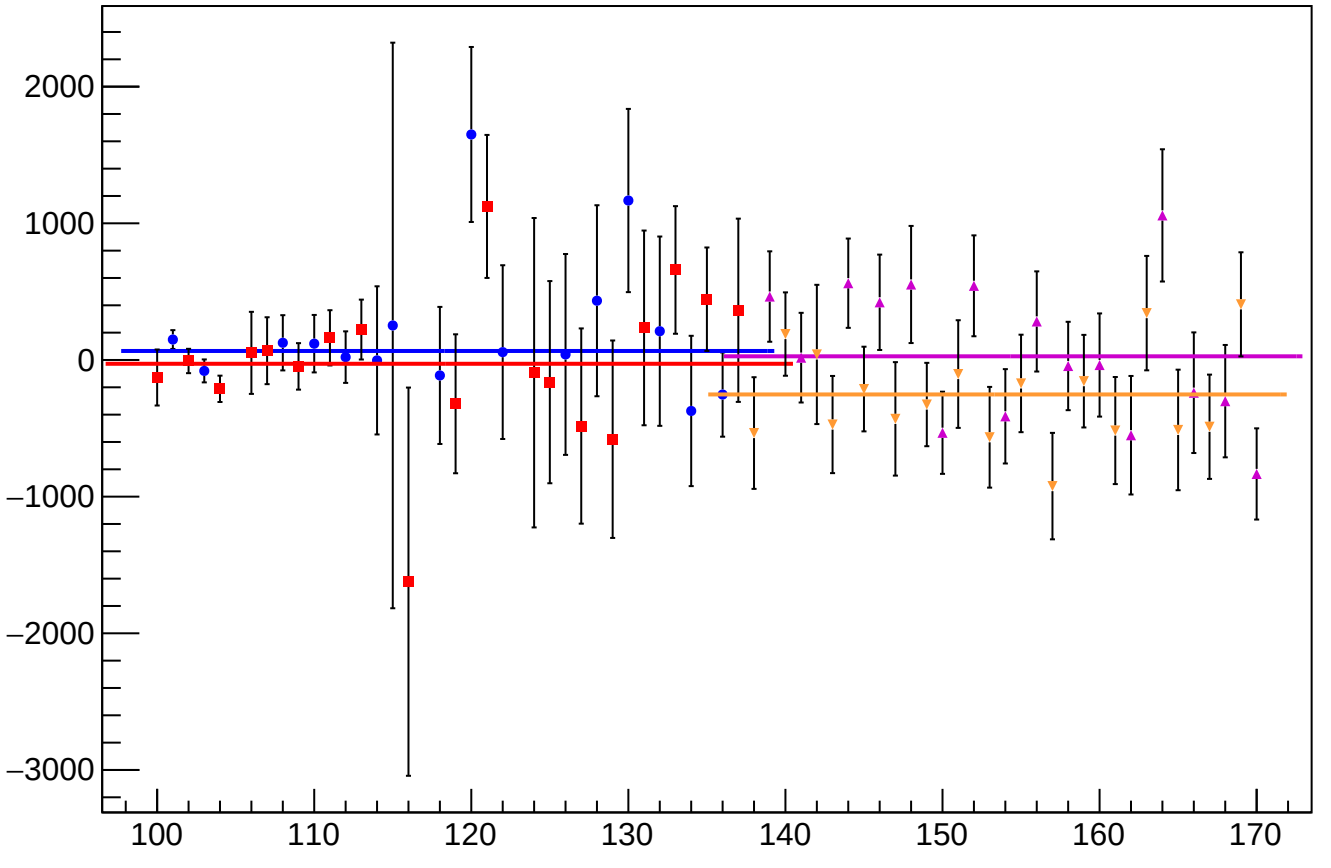
Left: 61.258+/-0.008 χ^2/NDF: 303365.5/32

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.491+/-0.009 χ^2/NDF:714013.5/31

Out: 57.554+/-0.009 χ^2/NDF:765714.2/35

All: 58.010+/-0.006 χ^2/NDF: 1484989.0/67



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -252.226+/-89.956 χ^2/NDF:13.7/16

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 26.846+/-90.573 χ^2/NDF:28.8/15

Left: -113.644+/-63.826 χ^2/NDF: 47.3/32

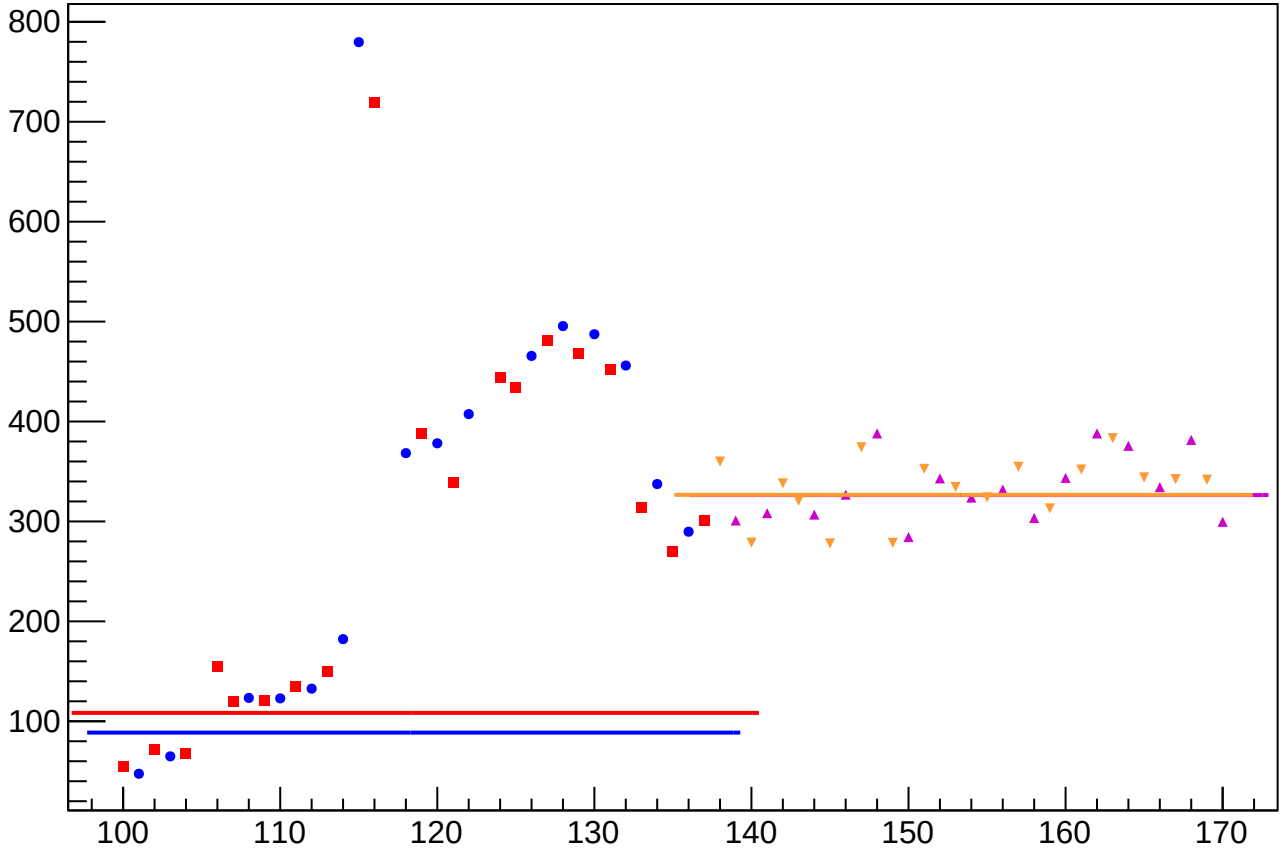
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 57.722+/-41.352 χ^2/NDF:44.6/31

Out: -81.280+/-43.897 χ^2/NDF:36.4/35

All: -7.632+/-30.100 χ^2/NDF: 86.4/67

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 326.606+/-0.064 χ^2/NDF:267246.6/16

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 326.392+/-0.064 χ^2/NDF:235161.4/15

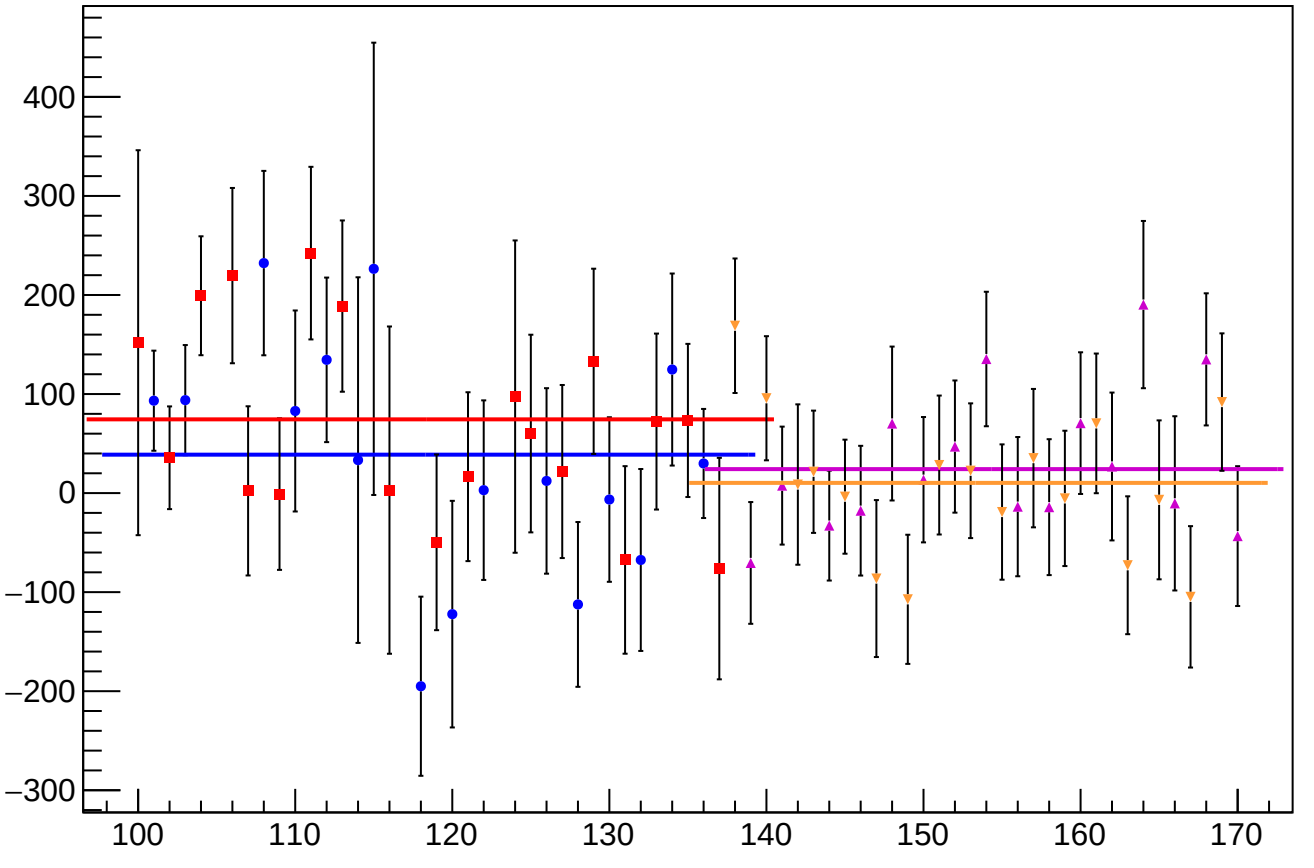
Left: 326.500+/-0.045 χ^2/NDF: 502413.7/32

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 138.212+/-0.029 χ^2/NDF:17790004.9/31

Out: 160.350+/-0.031 χ^2/NDF:14597068.0/35

All: 148.620+/-0.021 χ^2/NDF: 32656574.6/67



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 10.305+/-16.660 χ^2/NDF:18.8/16

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 24.205+/-17.033 χ^2/NDF:15.8/15

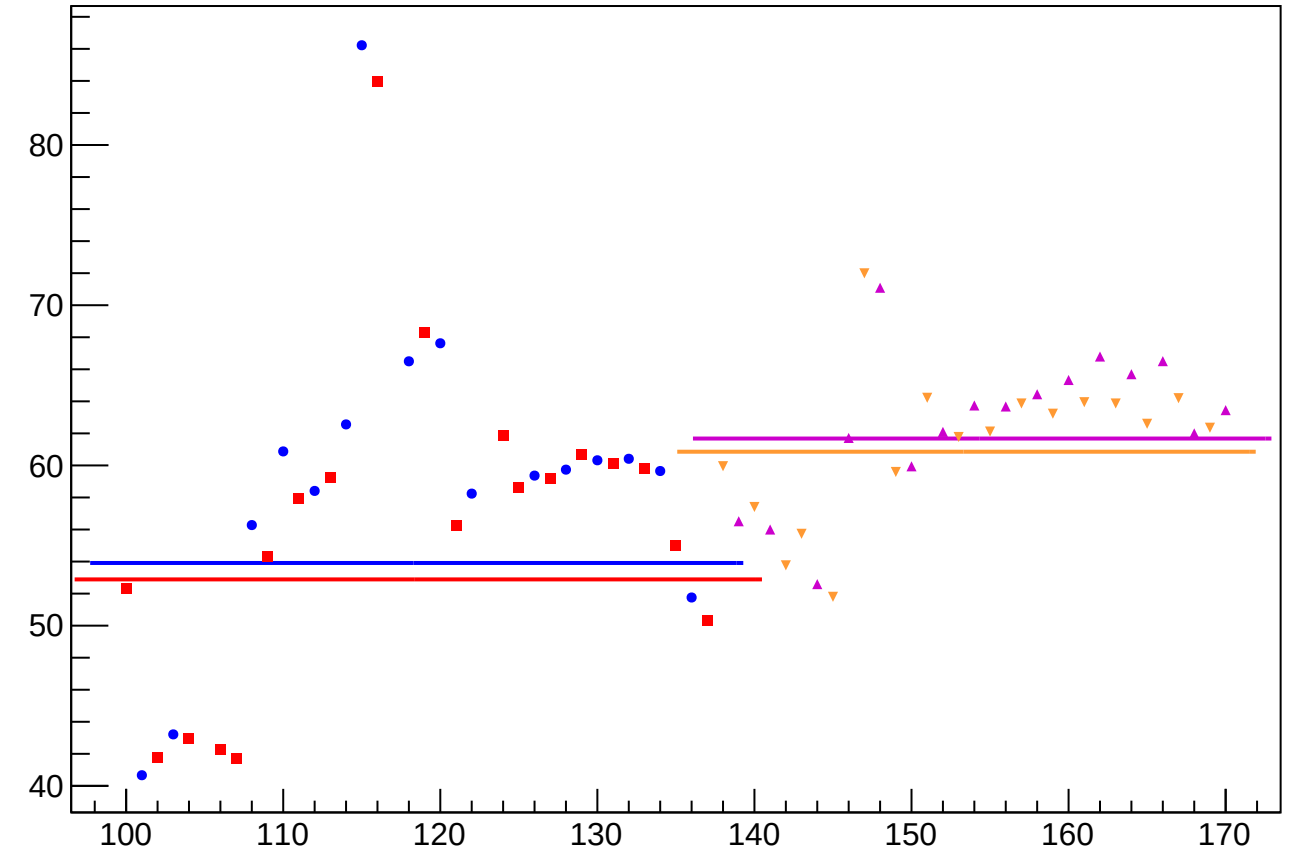
Left: 17.101+/-11.910 χ^2/NDF: 35.0/32

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 30.193+/-13.078 χ^2/NDF:39.4/31

Out: 36.886+/-12.749 χ^2/NDF:47.3/35

All: 33.625+/-9.129 χ^2/NDF: 86.9/67



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.856+/-0.012 χ^2/NDF:150903.9/16

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

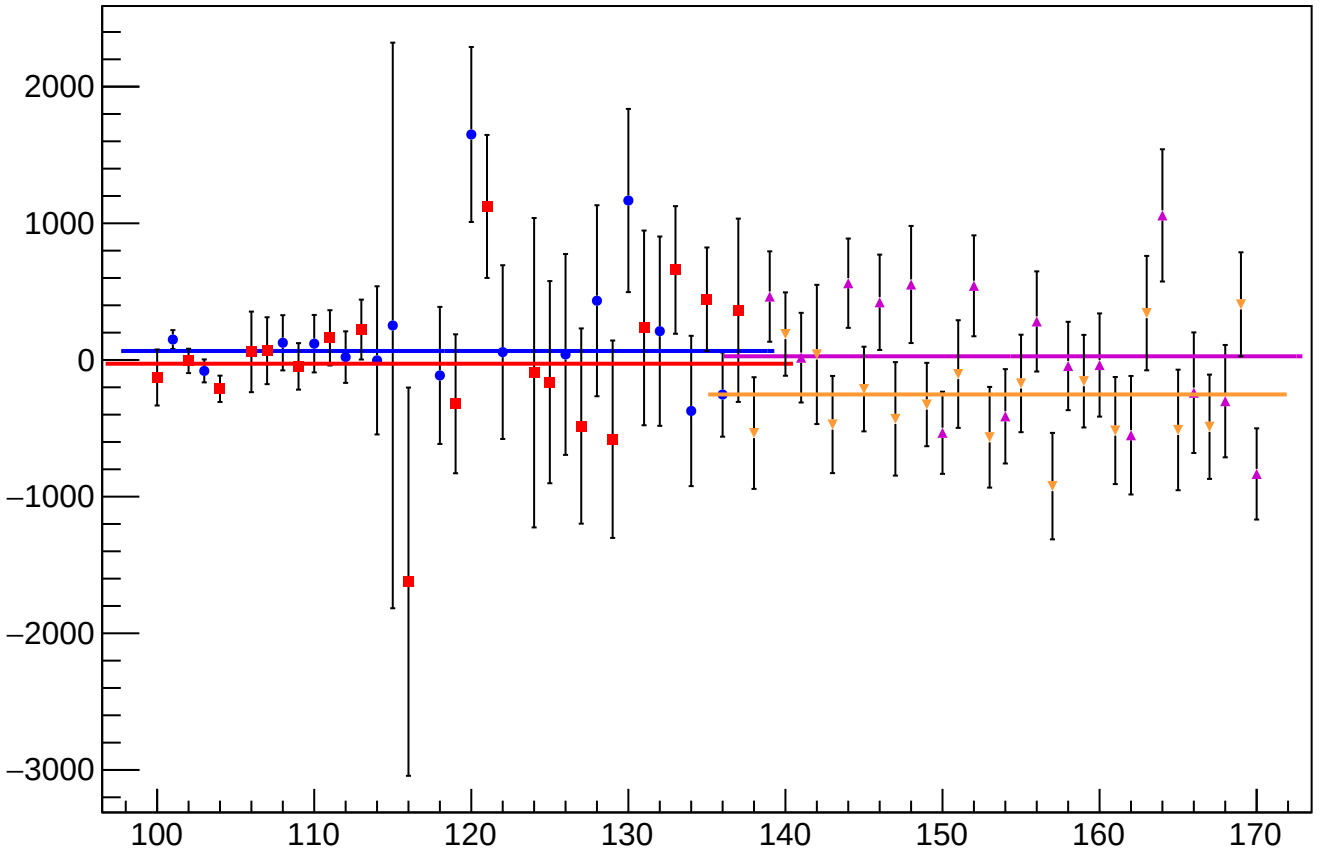
Left: 61.258+/-0.008 χ^2/NDF: 303365.5/32

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.491+/-0.009 χ^2/NDF:714012.6/31

Out: 57.553+/-0.009 χ^2/NDF:766112.8/35

All: 58.010+/-0.006 χ^2/NDF: 1485394.0/67



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -252.225+/-89.956 χ^2/NDF:13.7/16

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 26.844+/-90.573 χ^2/NDF:28.8/15

Left: -113.644+/-63.826 χ^2/NDF: 47.3/32

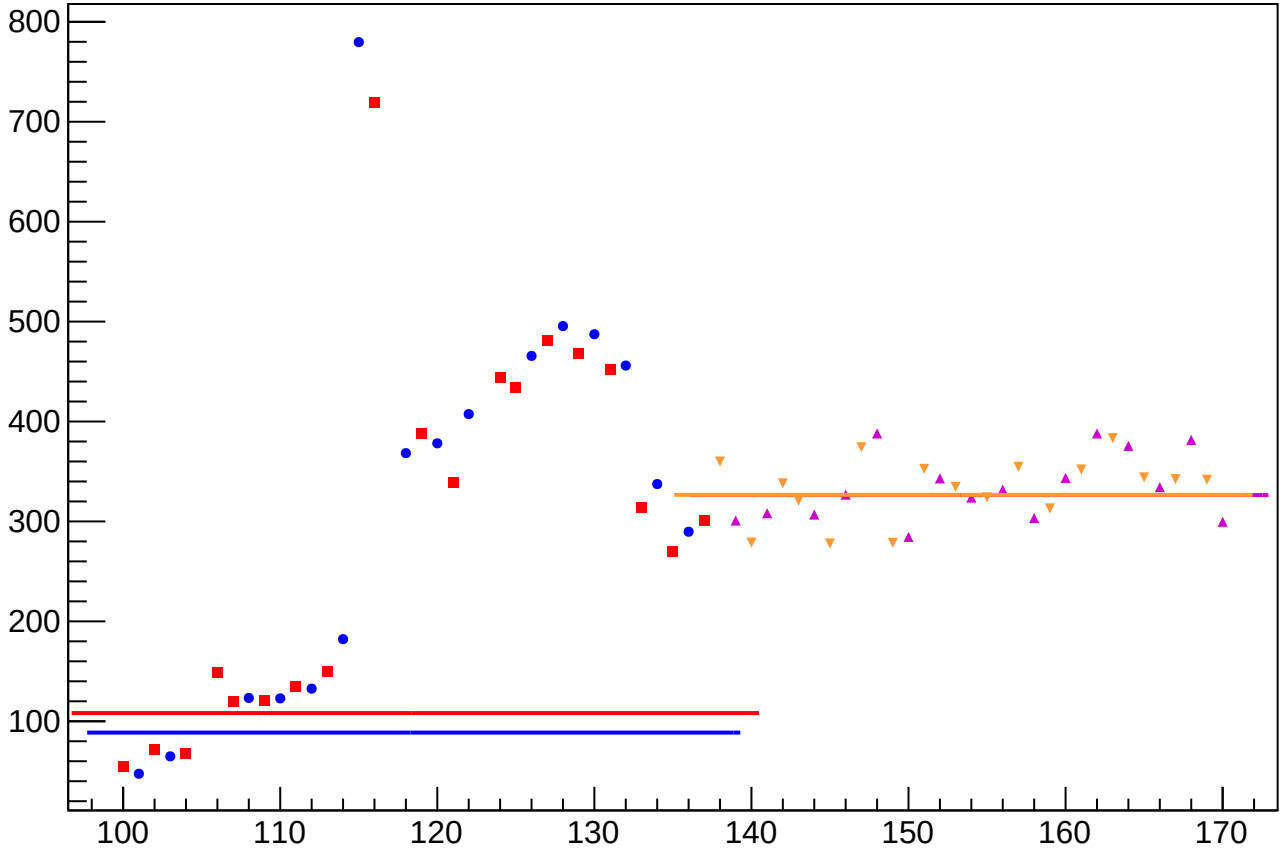
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 57.725+/-41.351 χ^2/NDF:44.6/31

Out: -80.872+/-43.869 χ^2/NDF:36.5/35

All: -7.482+/-30.090 χ^2/NDF: 86.4/67

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 326.607+/-0.064 χ^2/NDF:267245.5/16

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.392+/-0.064 χ^2/NDF:235166.7/15

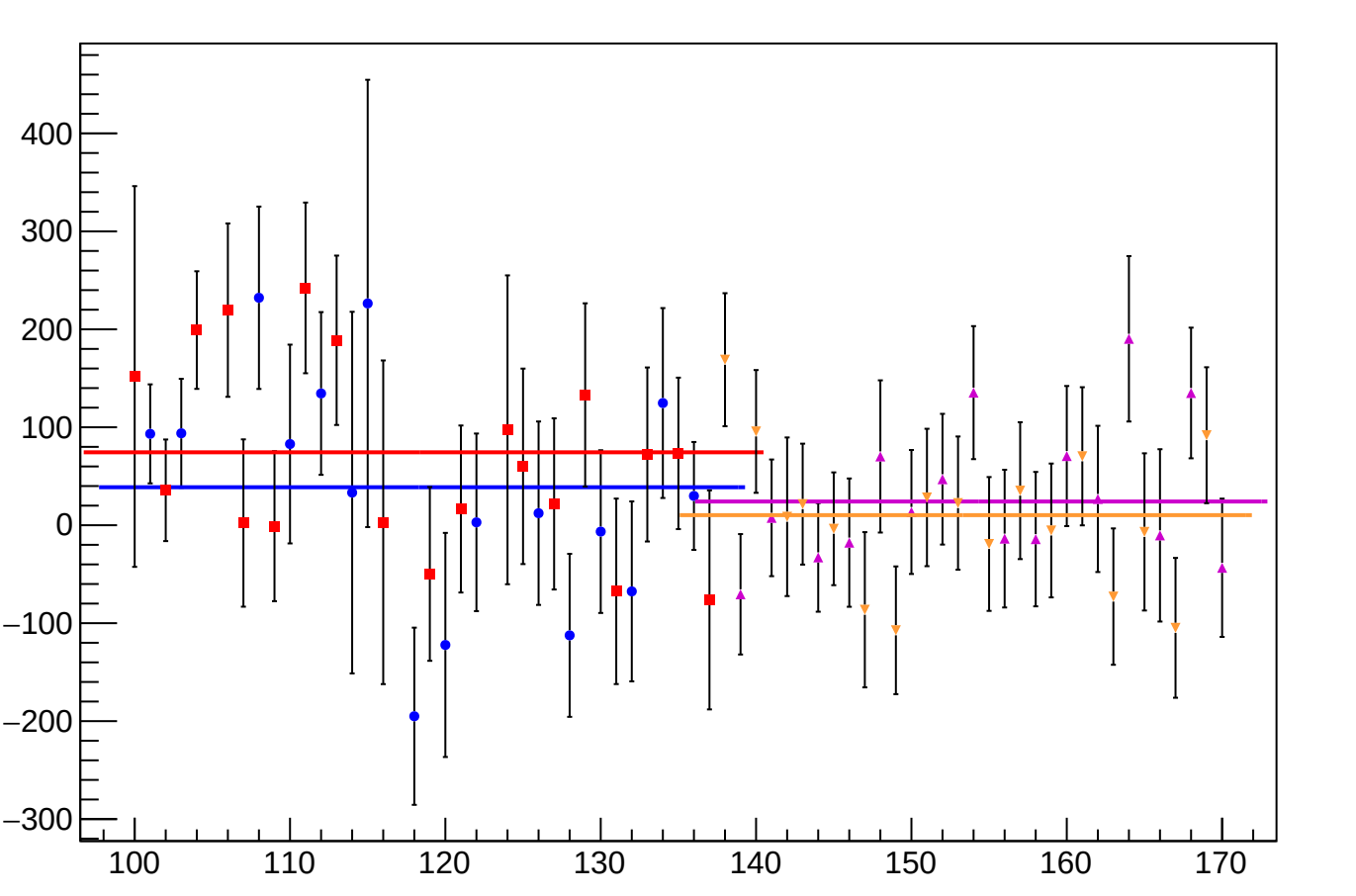
Left: 326.500+/-0.045 χ^2/NDF: 502417.9/32

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 138.208+/-0.029 χ^2/NDF:17790414.5/31

Out: 160.146+/-0.031 χ^2/NDF:14607414.0/35

All: 148.530+/-0.021 χ^2/NDF: 32662676.3/67



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 10.305+/-16.660 χ^2/NDF:18.8/16

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 24.205+/-17.033 χ^2/NDF:15.8/15

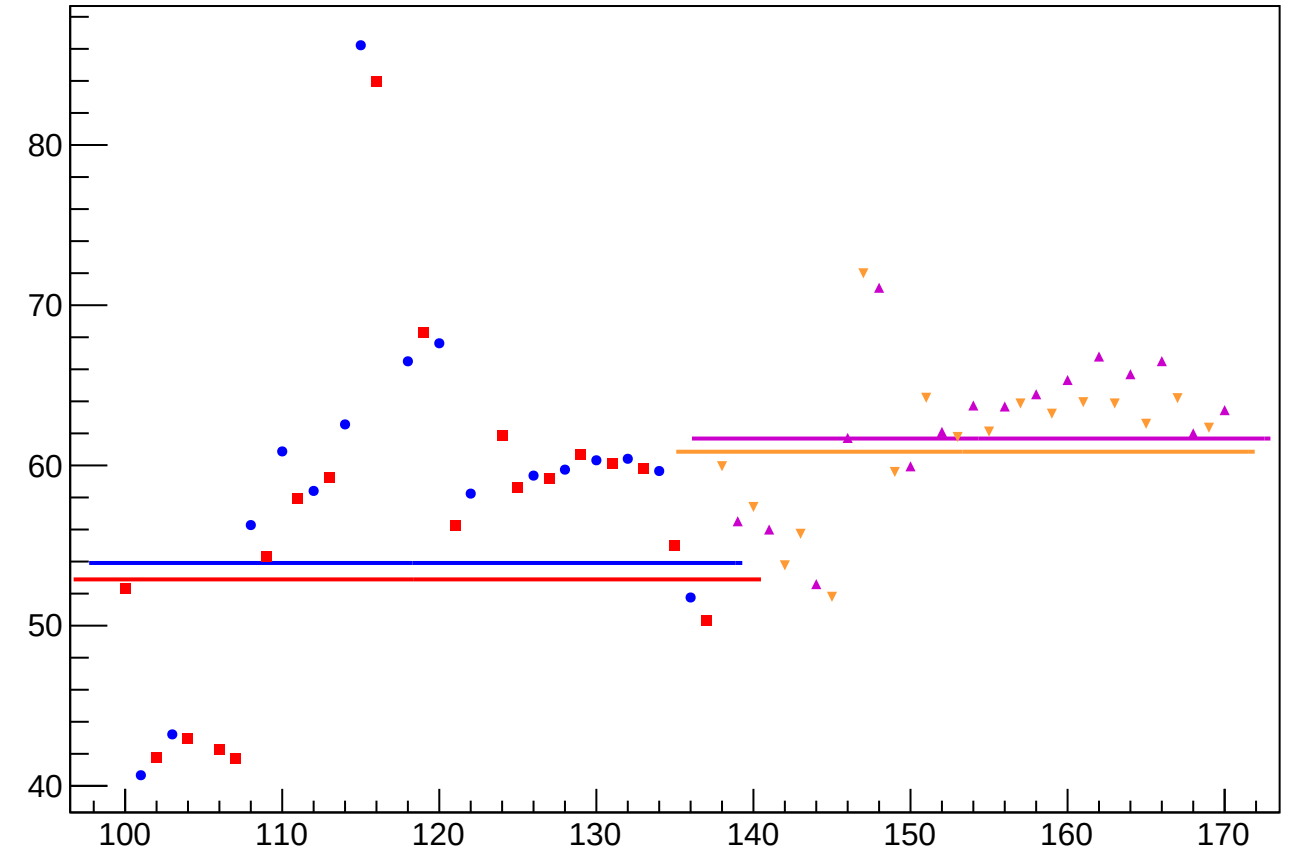
Left: 17.101+/-11.910 χ^2/NDF: 35.0/32

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 30.193+/-13.078 χ^2/NDF:39.4/31

Out: 36.886+/-12.749 χ^2/NDF:47.3/35

All: 33.625+/-9.129 χ^2/NDF: 86.9/67



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.856+/-0.012 χ^2/NDF:150903.9/16

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

Left: 61.258+/-0.008 χ^2/NDF: 303365.5/32

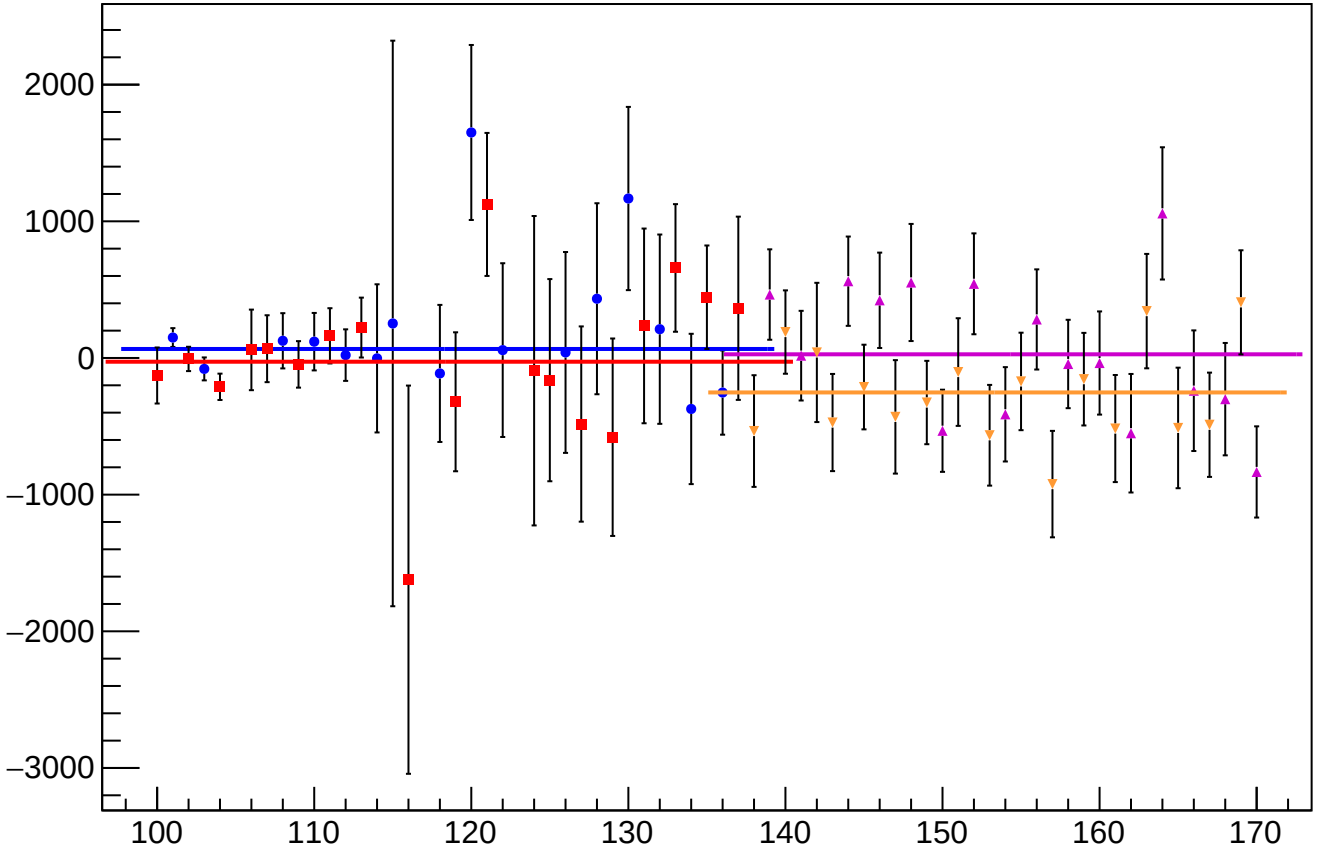
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.491+/-0.009 χ^2/NDF:714012.6/31

Out: 57.553+/-0.009 χ^2/NDF:766112.8/35

All: 58.010+/-0.006 χ^2/NDF: 1485394.0/67

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -252.225+/-89.956 χ^2/NDF:13.7/16

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 26.844+/-90.573 χ^2/NDF:28.8/15

Left: -113.644+/-63.826 χ^2/NDF: 47.3/32

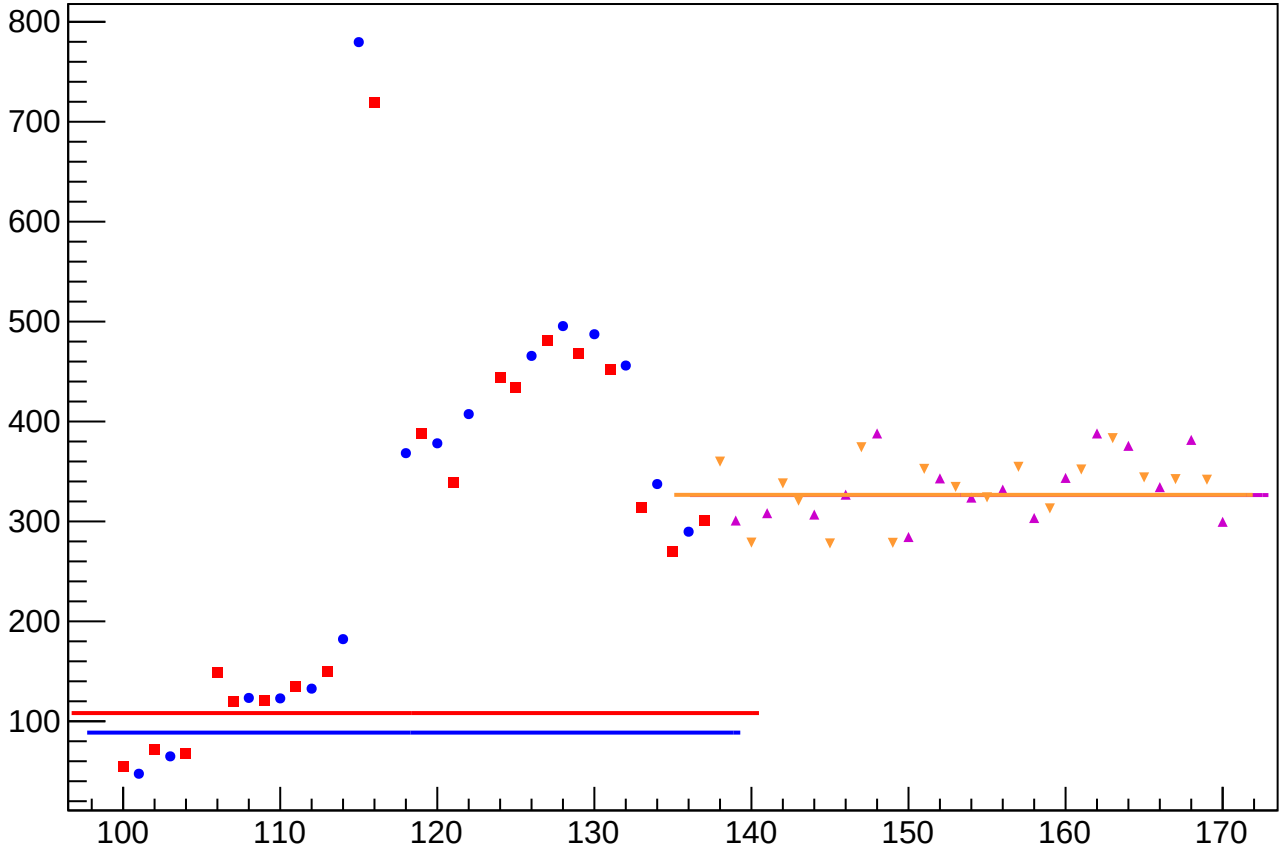
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 57.725+/-41.351 χ^2/NDF:44.6/31

Out: -80.872+/-43.869 χ^2/NDF:36.5/35

All: -7.482+/-30.090 χ^2/NDF: 86.4/67

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: 326.607+/-0.064 χ^2/NDF:267245.5/16

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.392+/-0.064 χ^2/NDF:235166.7/15

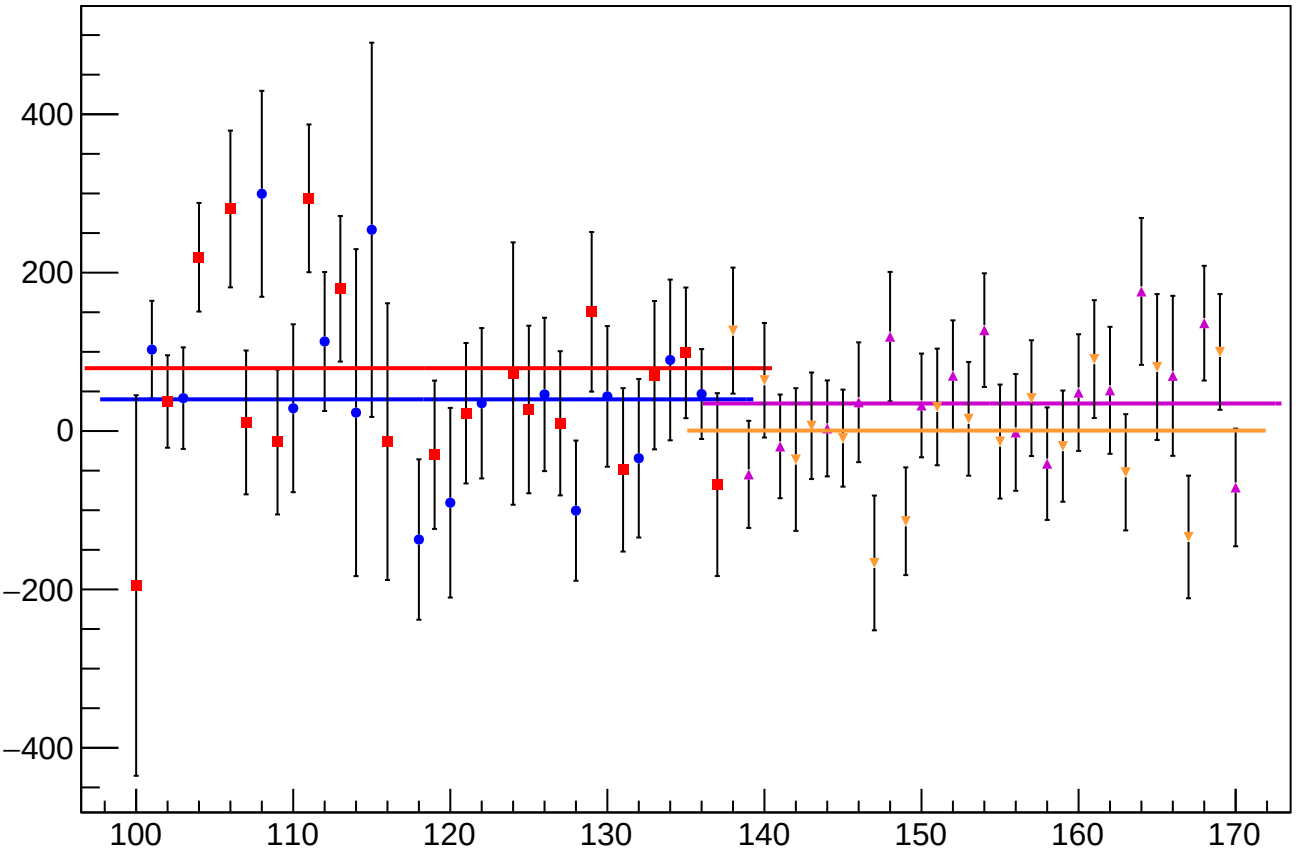
Left: 326.500+/-0.045 χ^2/NDF: 502417.9/32

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 138.208+/-0.029 χ^2/NDF:17790414.5/31

Out: 160.146+/-0.031 χ^2/NDF:14607414.0/35

All: 148.530+/-0.021 χ^2/NDF: 32662676.3/67



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.619+/-17.923 χ^2/NDF:18.4/16

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.802+/-18.291 χ^2/NDF:13.6/15

Left: 17.363+/-12.801 χ^2/NDF: 33.8/32

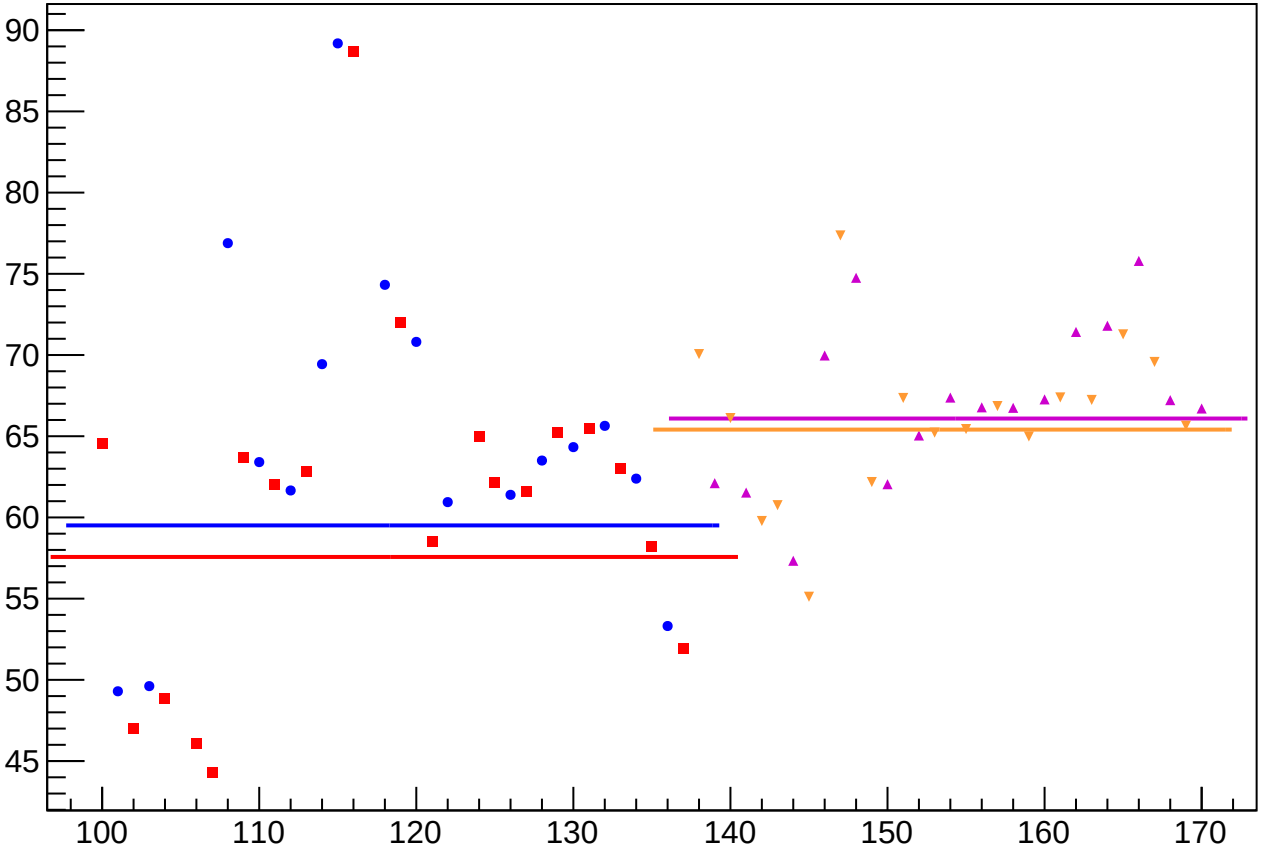
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.881+/-14.197 χ^2/NDF:27.8/31

Out: 32.774+/-13.787 χ^2/NDF:51.1/35

All: 34.767+/-9.890 χ^2/NDF: 78.9/67

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.409+/-0.013 χ^2/NDF:143651.5/16

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.089+/-0.013 χ^2/NDF:131257.3/15

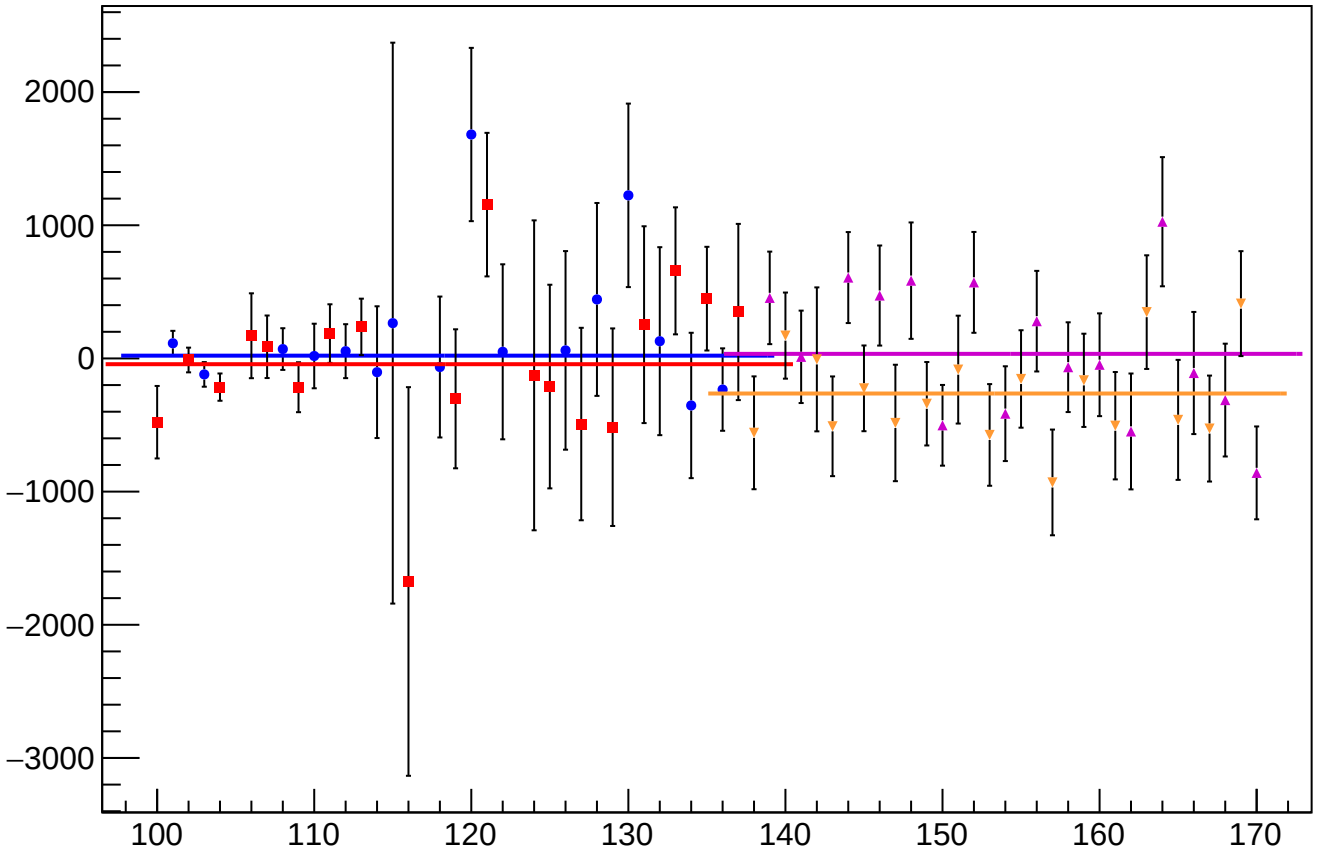
Left: 65.742+/-0.009 χ^2/NDF: 276321.8/32

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.473+/-0.010 χ^2/NDF:517374.1/31

Out: 62.207+/-0.010 χ^2/NDF:647346.1/35

All: 62.821+/-0.007 χ^2/NDF: 1172903.1/67



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -263.406+/-93.233 χ^2/NDF:13.1/16

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 34.354+/-93.718 χ^2/NDF:27.8/15

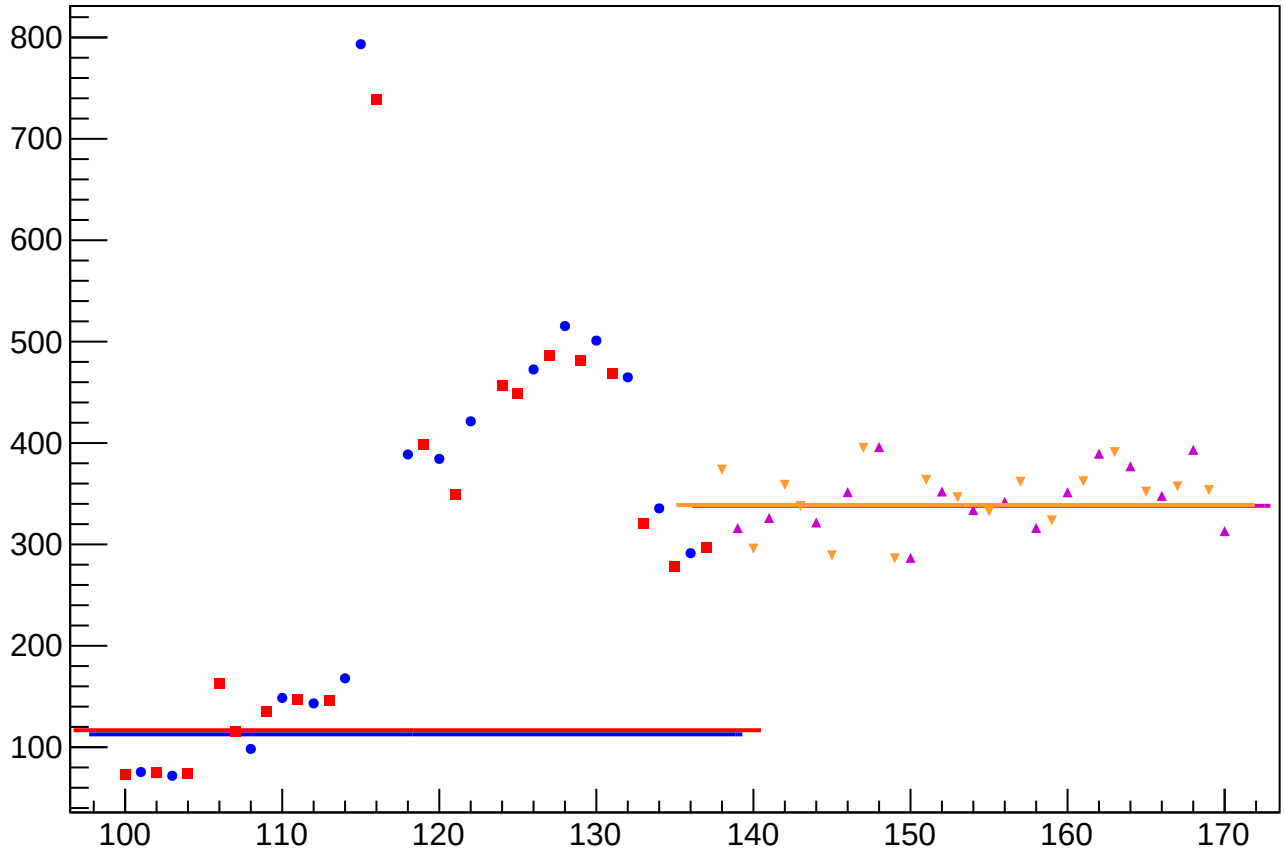
Left: -115.299+/-66.097 χ^2/NDF: 46.0/32

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 24.170+/-46.518 χ^2/NDF:42.5/31

Out: -97.351+/-46.213 χ^2/NDF:38.8/35

All: -36.990+/-32.785 χ^2/NDF: 84.7/67



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 338.900+/-0.066 χ^2/NDF:253709.2/16

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 338.068+/-0.066 χ^2/NDF:210115.5/15

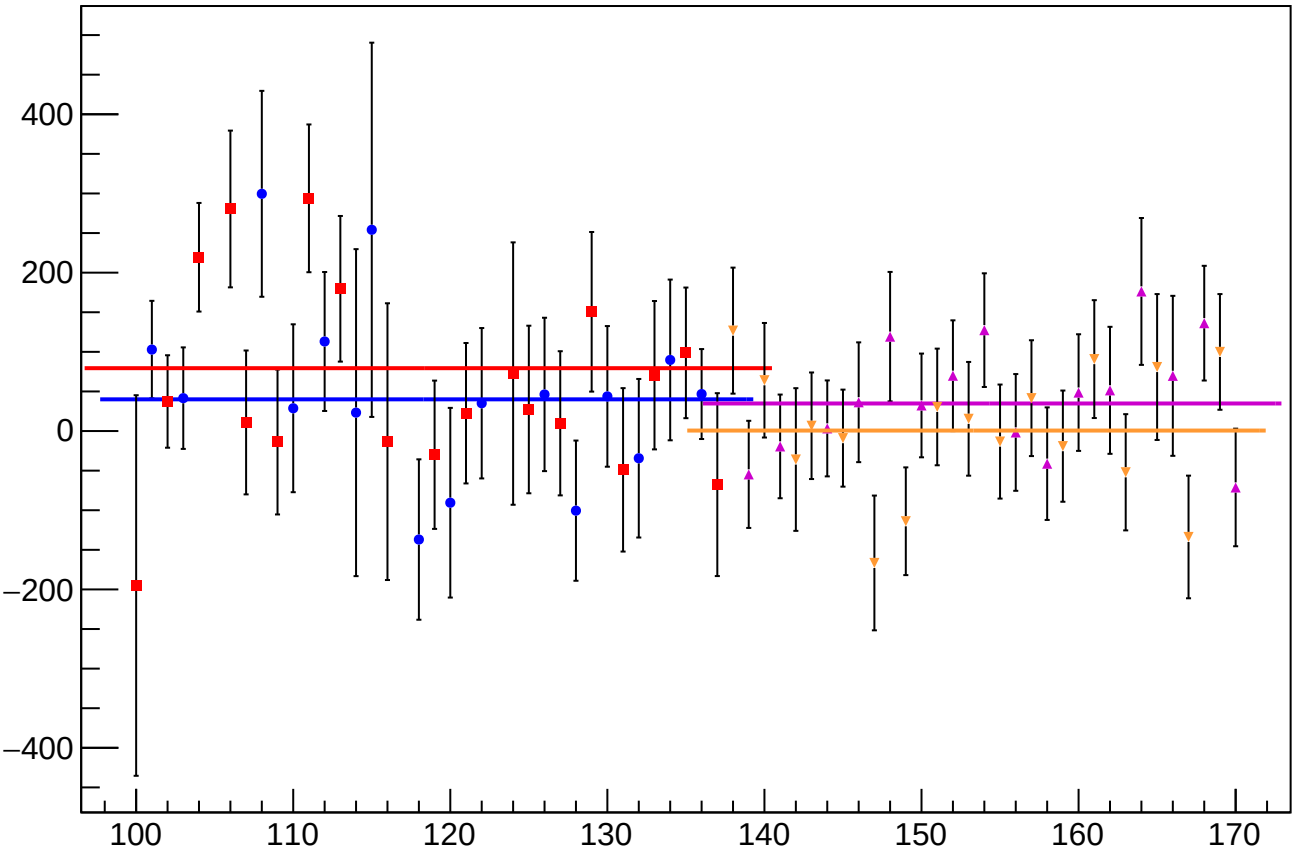
Left: 338.486+/-0.047 χ^2/NDF: 463903.8/32

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 168.201+/-0.033 χ^2/NDF:14528387.1/31

Out: 171.318+/-0.033 χ^2/NDF:13961471.9/35

All: 169.770+/-0.023 χ^2/NDF: 28494378.3/67



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.620+/-17.923 χ^2/NDF:18.4/16

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 34.803+/-18.291 χ^2/NDF:13.6/15

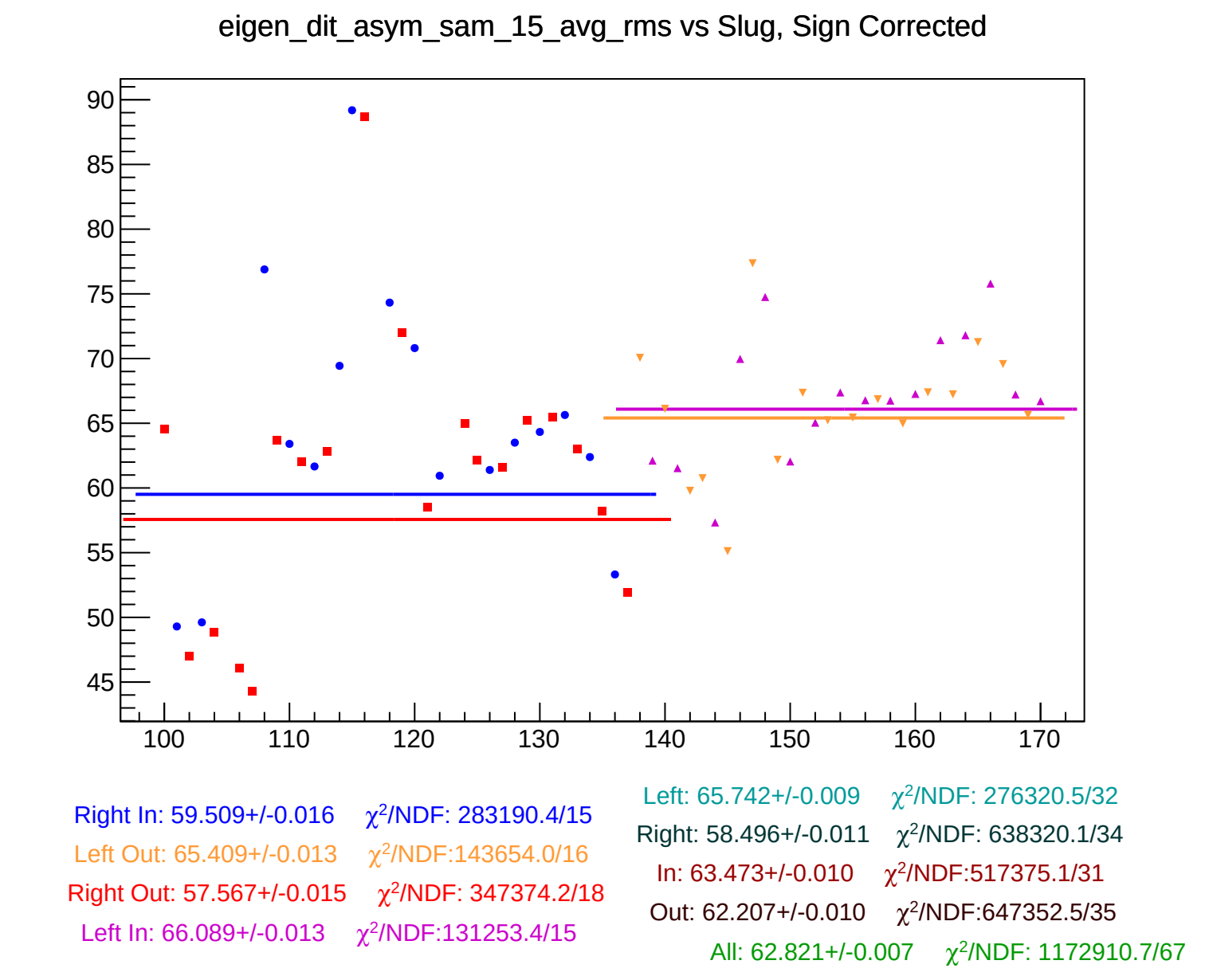
Left: 17.363+/-12.801 χ^2/NDF: 33.8/32

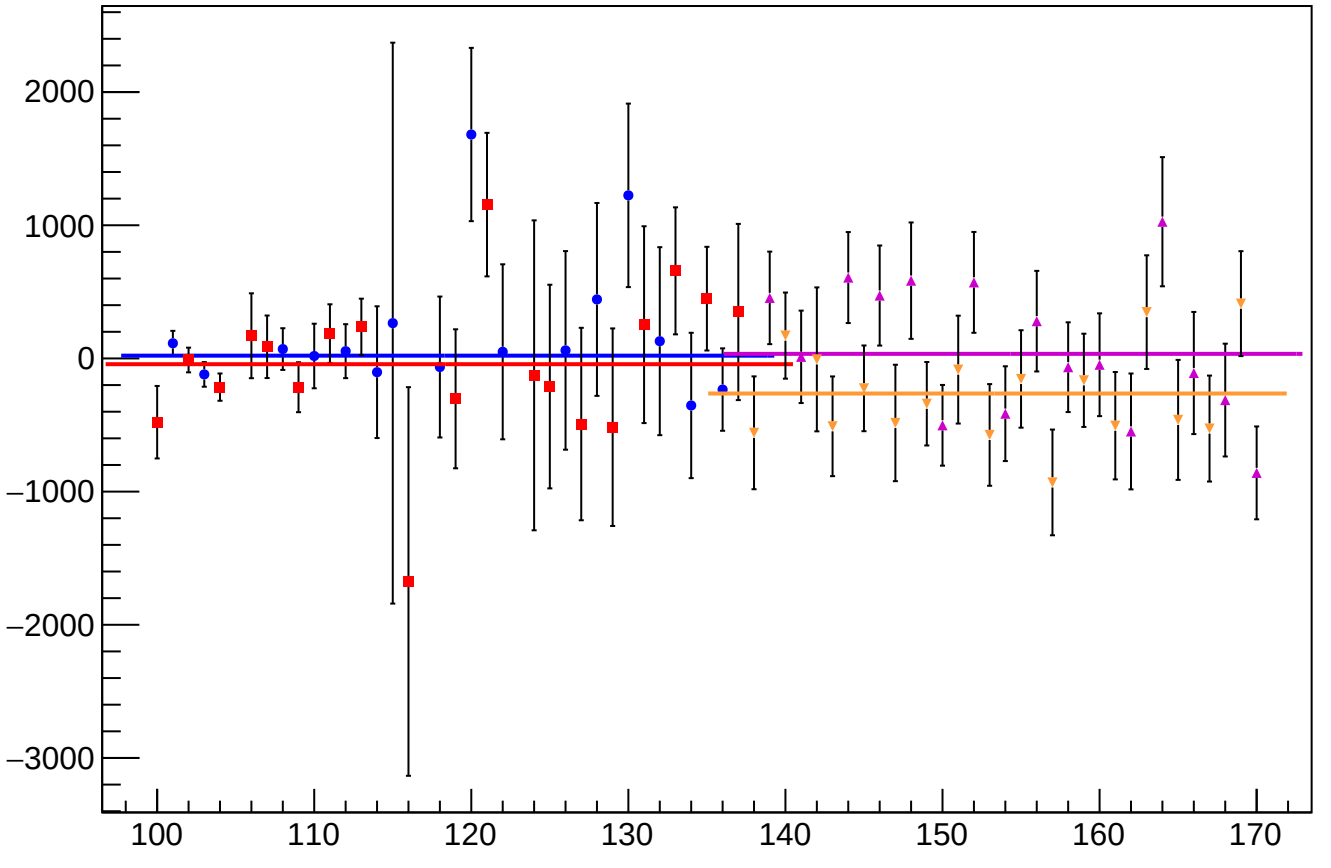
Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.881+/-14.197 χ^2/NDF:27.8/31

Out: 32.774+/-13.787 χ^2/NDF:51.1/35

All: 34.767+/-9.890 χ^2/NDF: 78.9/67


eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected
90
85
80
75
70
65
60
55
50
45
100
110
120
130
140
150
160
170
Right In: 59.509+/-0.016 χ²/NDF: 283190.4/15
Left Out: 65.409+/-0.013 χ²/NDF:143654.0/16
Right Out: 57.567+/-0.015 χ²/NDF: 347374.2/18
Left In: 66.089+/-0.013 χ²/NDF:131253.4/15
Left: 65.742+/-0.009 χ²/NDF: 276320.5/32
Right: 58.496+/-0.011 χ²/NDF: 638320.1/34
In: 63.473+/-0.010 χ²/NDF:517375.1/31
Out: 62.207+/-0.010 χ²/NDF:647352.5/35
All: 62.821+/-0.007 χ²/NDF: 1172910.7/67



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -263.406+/-93.233 χ^2/NDF:13.1/16

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 34.354+/-93.718 χ^2/NDF:27.8/15

Left: -115.298+/-66.097 χ^2/NDF: 46.0/32

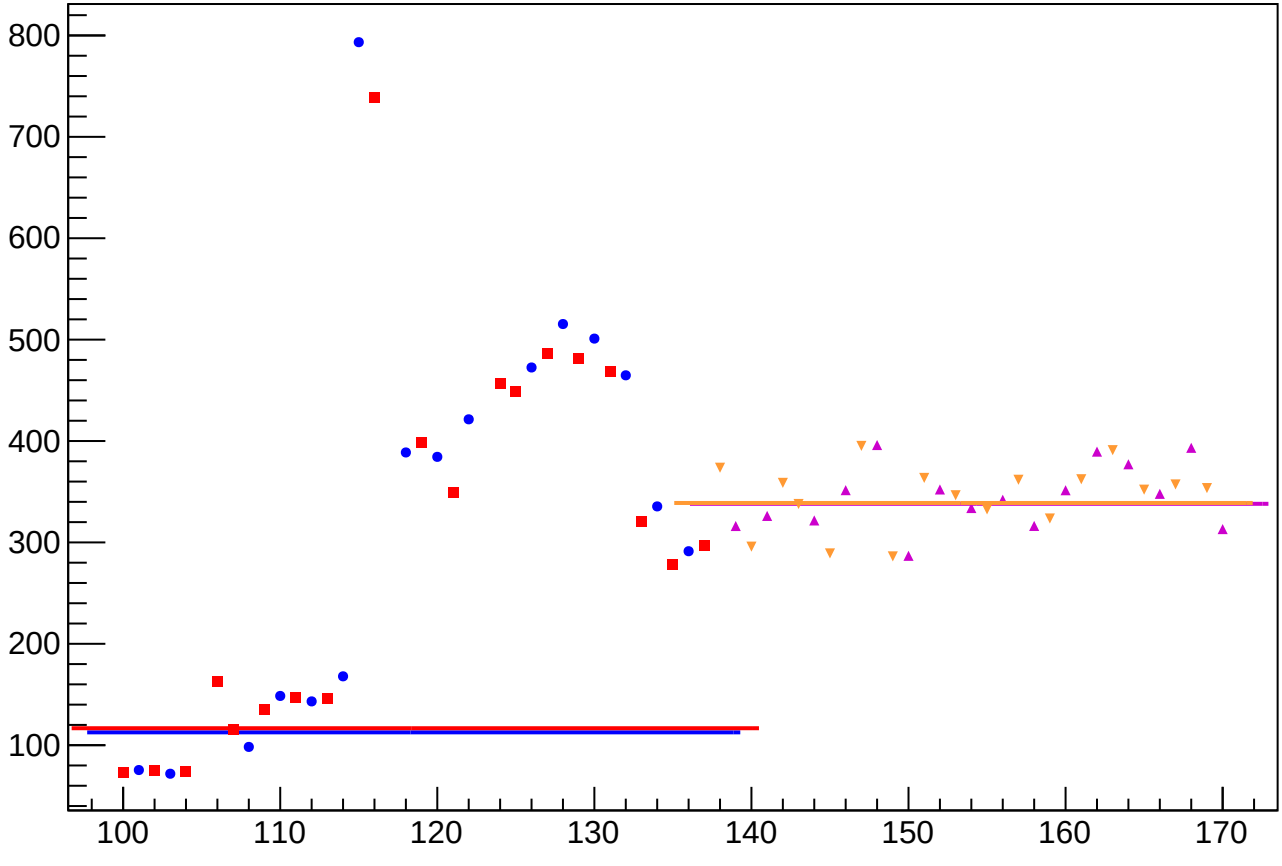
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 24.169+/-46.518 χ^2/NDF:42.5/31

Out: -97.350+/-46.213 χ^2/NDF:38.8/35

All: -36.990+/-32.785 χ^2/NDF: 84.7/67

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 338.901+/-0.066 χ^2/NDF:253707.6/16

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 338.069+/-0.066 χ^2/NDF:210110.2/15

Left: 338.487+/-0.047 χ^2/NDF: 463896.9/32

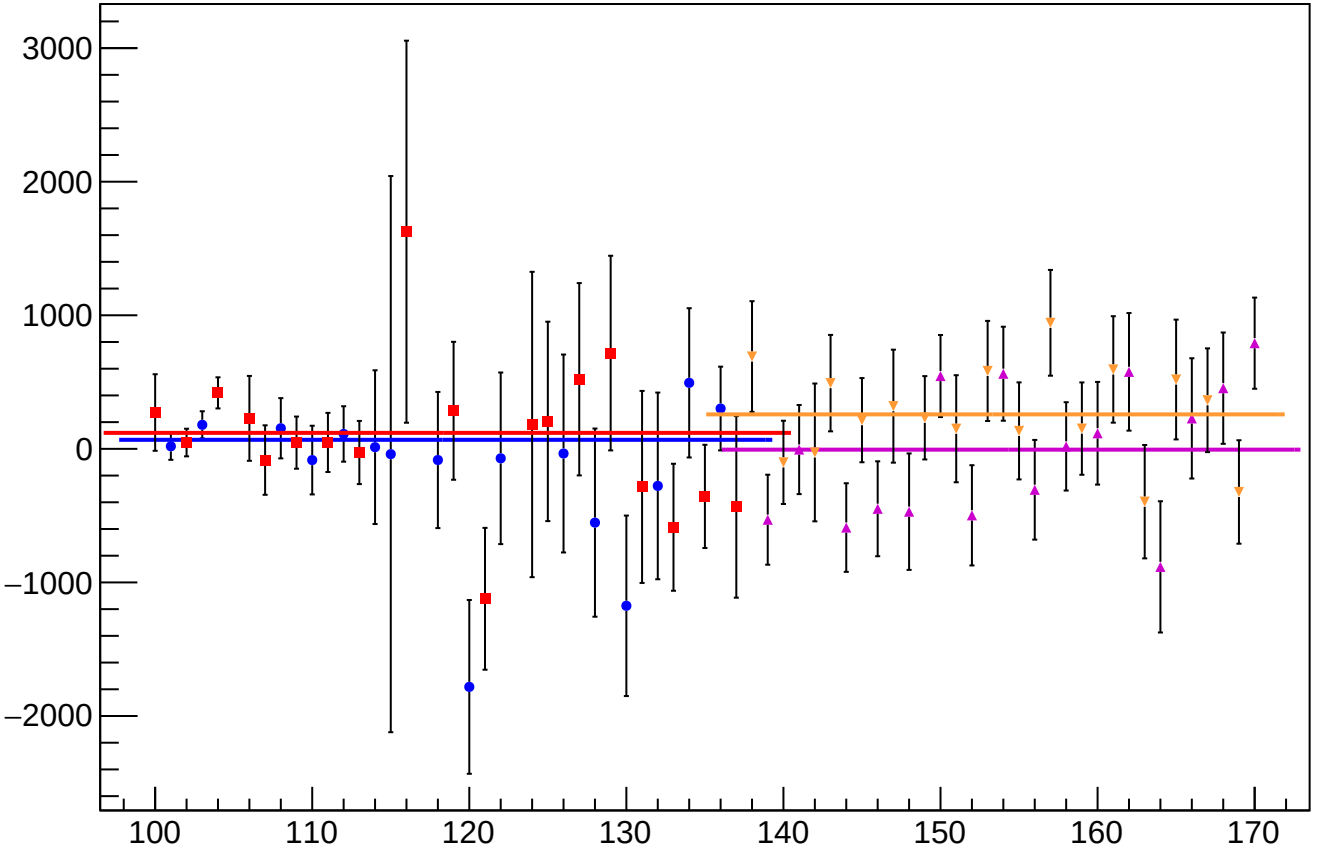
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 168.201+/-0.033 χ^2/NDF:14528431.1/31

Out: 171.318+/-0.033 χ^2/NDF:13961540.1/35

All: 169.770+/-0.023 χ^2/NDF: 28494490.0/67

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 258.096+/-91.560 χ^2/NDF:13.0/16

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -6.008+/-92.238 χ^2/NDF:28.4/15

Left: 127.019+/-64.981 χ^2/NDF: 45.5/32

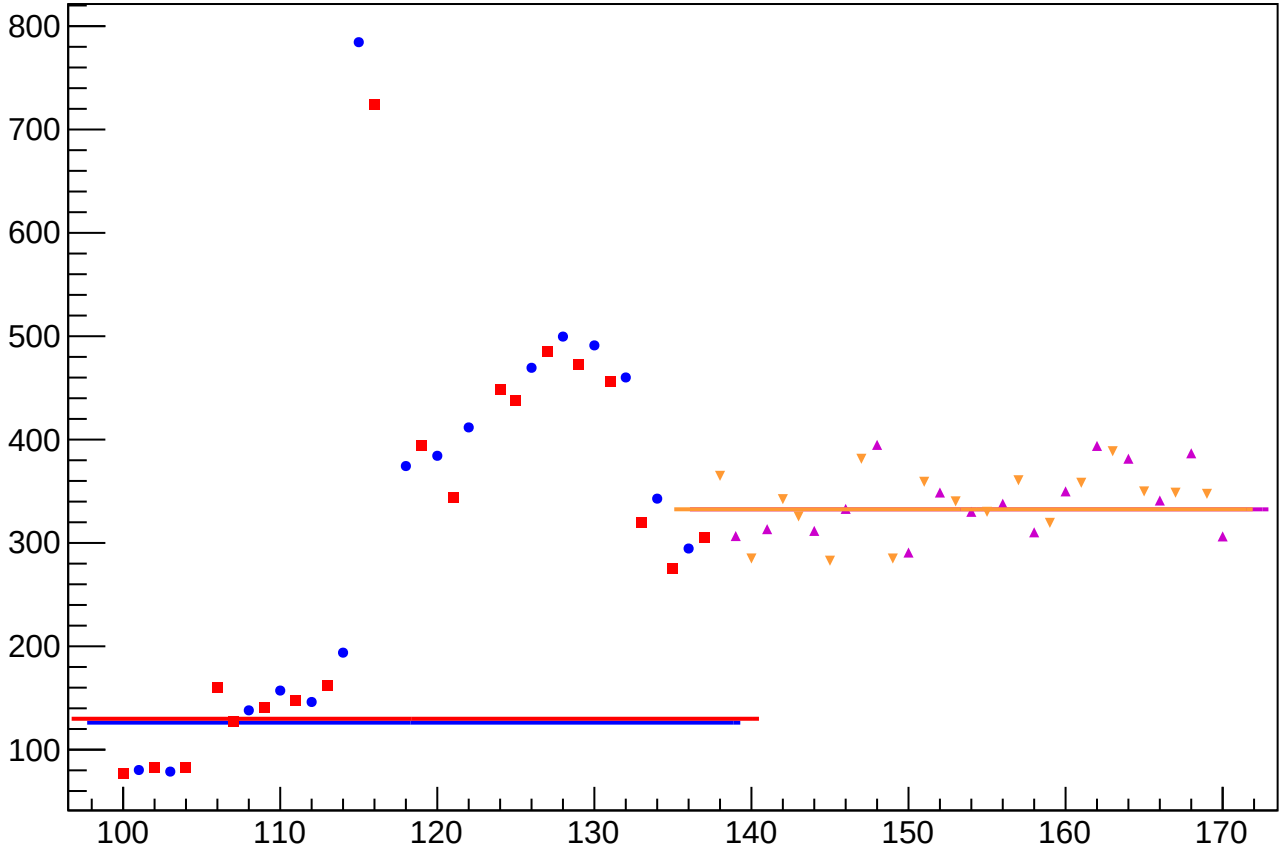
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 46.156+/-49.803 χ^2/NDF:44.6/31

Out: 159.228+/-48.961 χ^2/NDF:35.7/35

All: 103.655+/-34.915 χ^2/NDF: 83.0/67

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 332.565+/-0.065 χ^2/NDF:258815.0/16

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 332.516+/-0.065 χ^2/NDF:226797.1/15

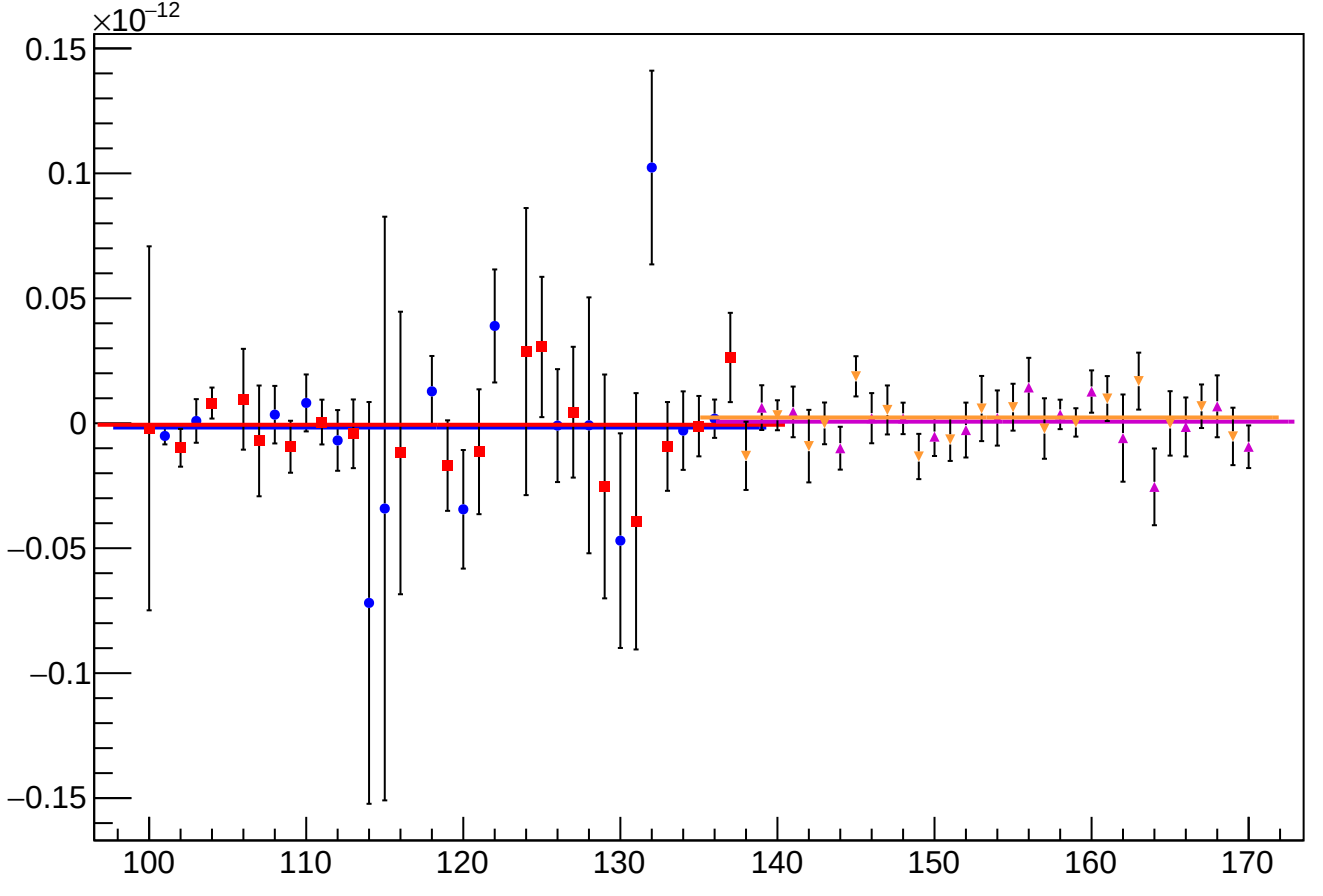
Left: 332.541+/-0.046 χ^2/NDF: 485612.4/32

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 186.315+/-0.035 χ^2/NDF:12539274.7/31

Out: 187.863+/-0.035 χ^2/NDF:11902355.5/35

All: 187.102+/-0.025 χ^2/NDF: 24442612.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/15

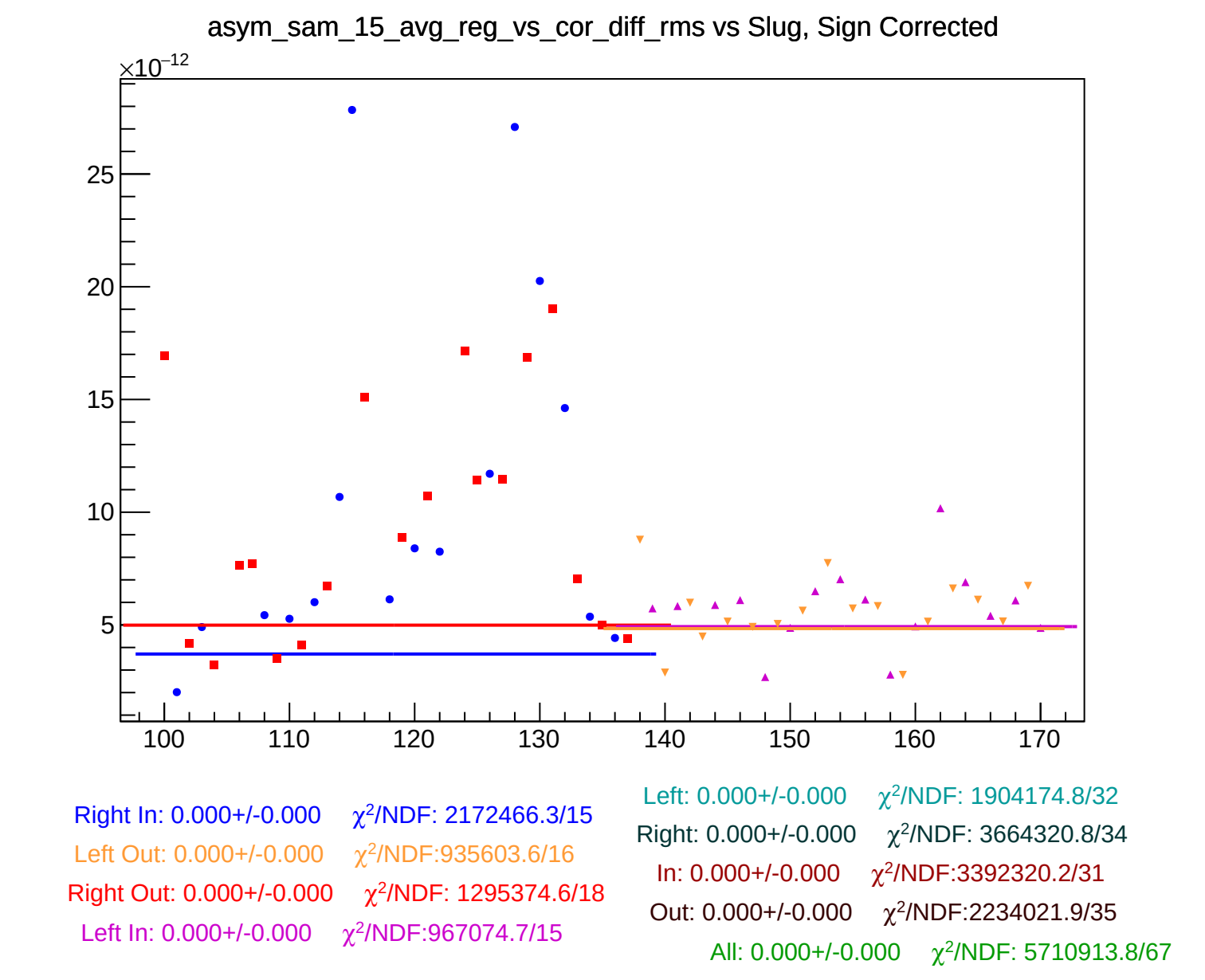
Left: 0.000+/-0.000 χ^2/NDF: 25.3/32

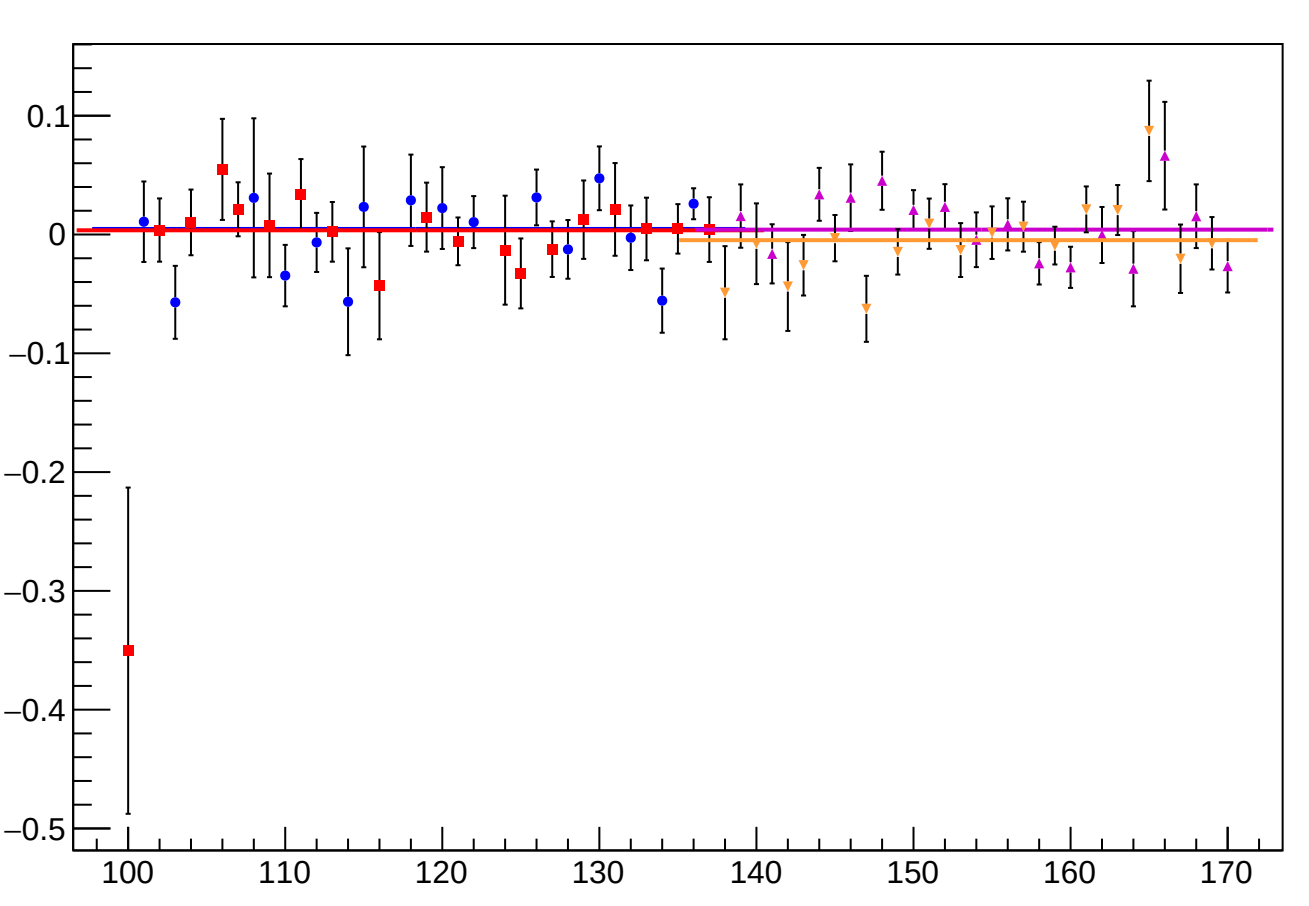
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:29.4/31

Out: 0.000+/-0.000 χ^2/NDF:25.0/35

All: 0.000+/-0.000 χ^2/NDF: 54.9/67


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:935603.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:967074.7/15
Left: 0.000+/-0.000 χ²/NDF: 1904174.8/32
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3392320.2/31
Out: 0.000+/-0.000 χ²/NDF:2234021.9/35
All: 0.000+/-0.000 χ²/NDF: 5710913.8/67



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/16

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.006 χ^2/NDF:19.5/15

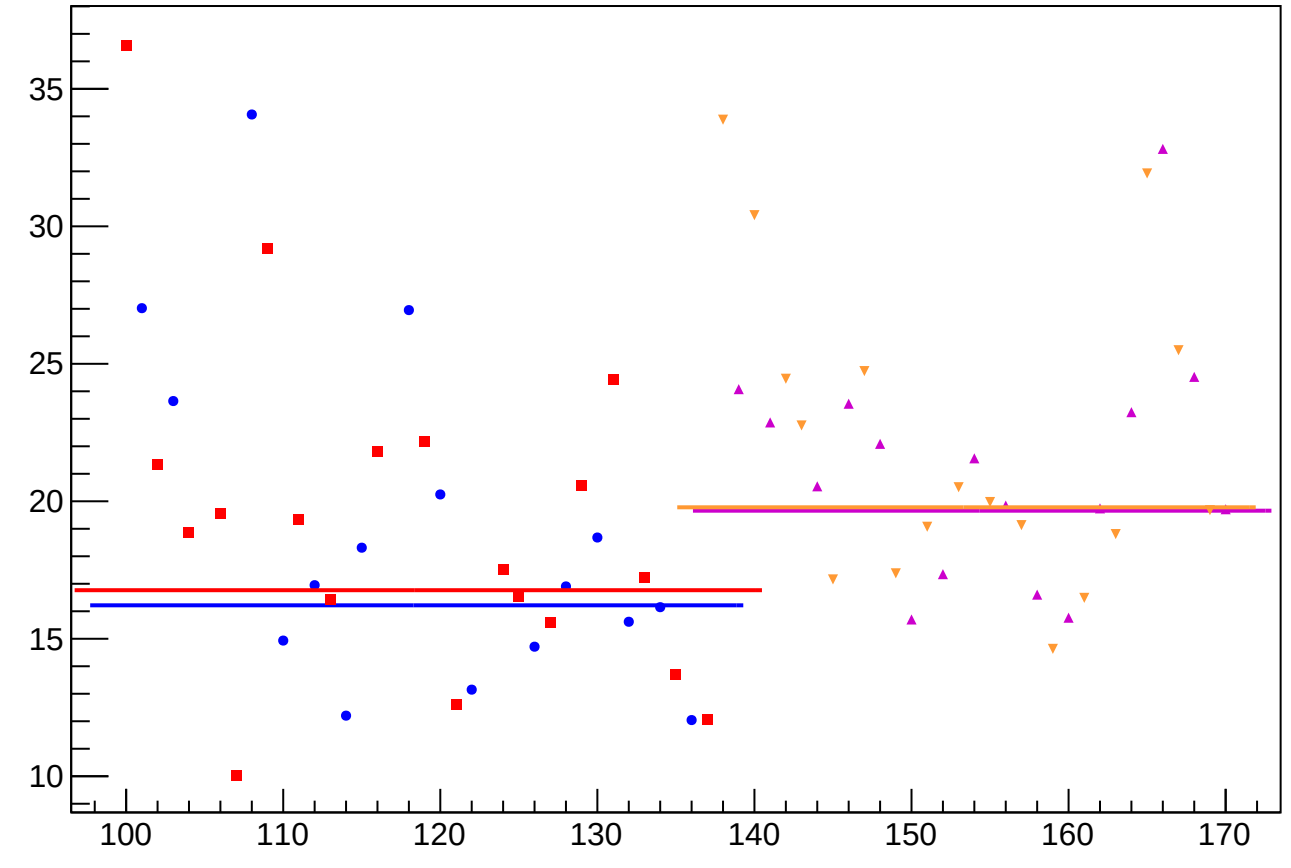
Left: -0.000+/-0.004 χ^2/NDF: 37.8/32

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.001+/-0.004 χ^2/NDF:31.5/35

All: 0.002+/-0.003 χ^2/NDF: 73.4/67



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.781+/-0.004 χ^2/NDF:1166841.9/16

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.658+/-0.004 χ^2/NDF:725479.6/15

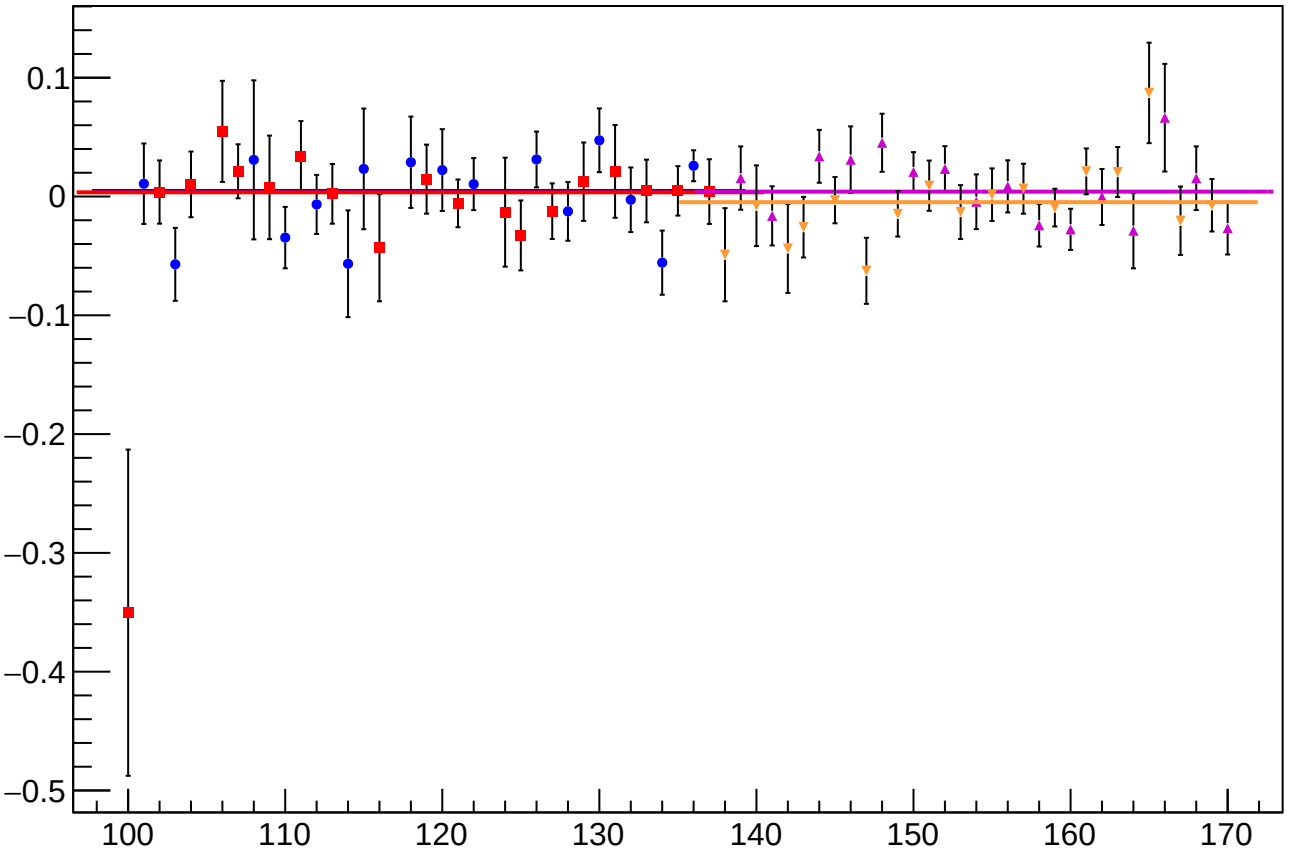
Left: 19.720+/-0.003 χ^2/NDF: 1892797.9/32

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.198+/-0.003 χ^2/NDF:1985720.1/31

Out: 18.519+/-0.003 χ^2/NDF:2274303.6/35

All: 18.358+/-0.002 χ^2/NDF: 4265671.0/67



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/16

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.006 χ^2/NDF:19.5/15

Left: -0.000+/-0.004 χ^2/NDF: 37.8/32

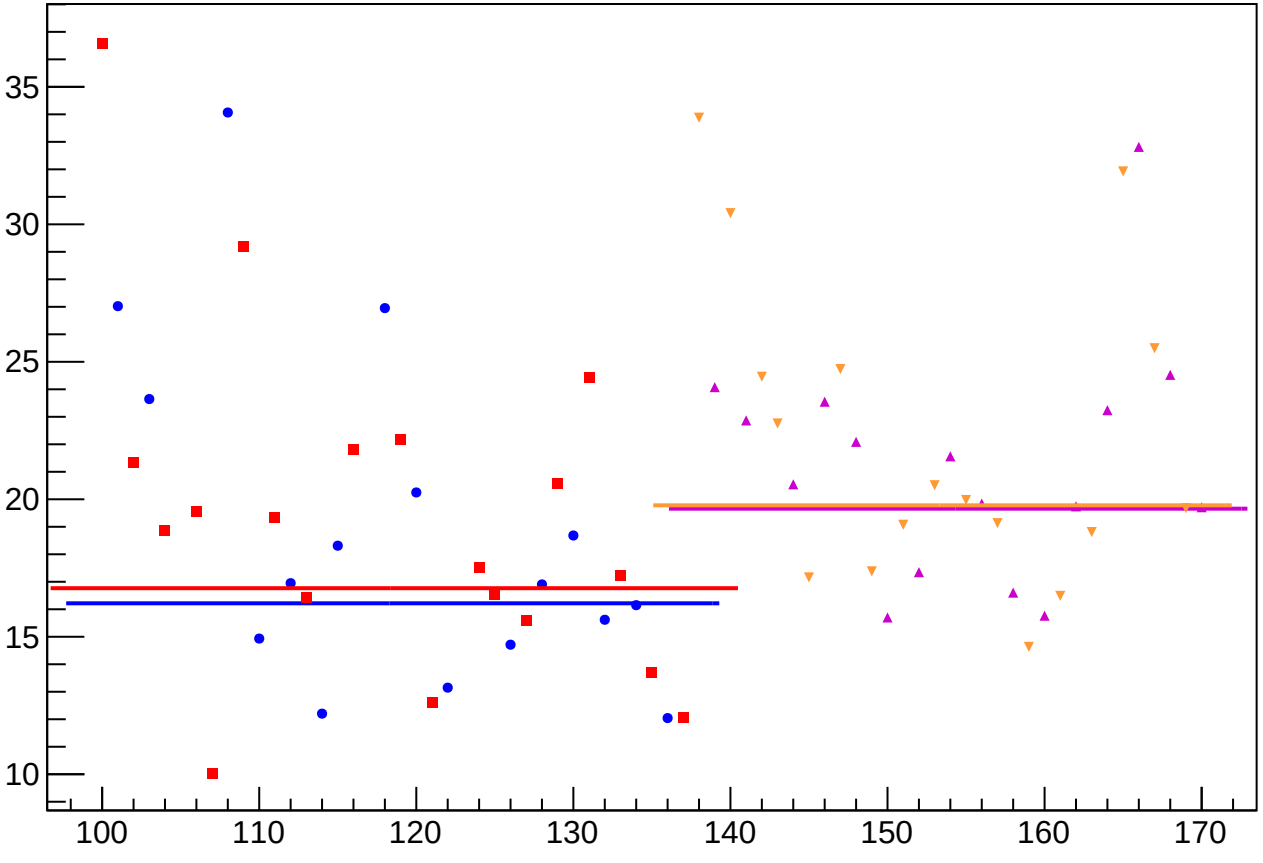
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.001+/-0.004 χ^2/NDF:31.5/35

All: 0.002+/-0.003 χ^2/NDF: 73.4/67

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.781+/-0.004 χ^2/NDF:1166841.9/16

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.658+/-0.004 χ^2/NDF:725479.6/15

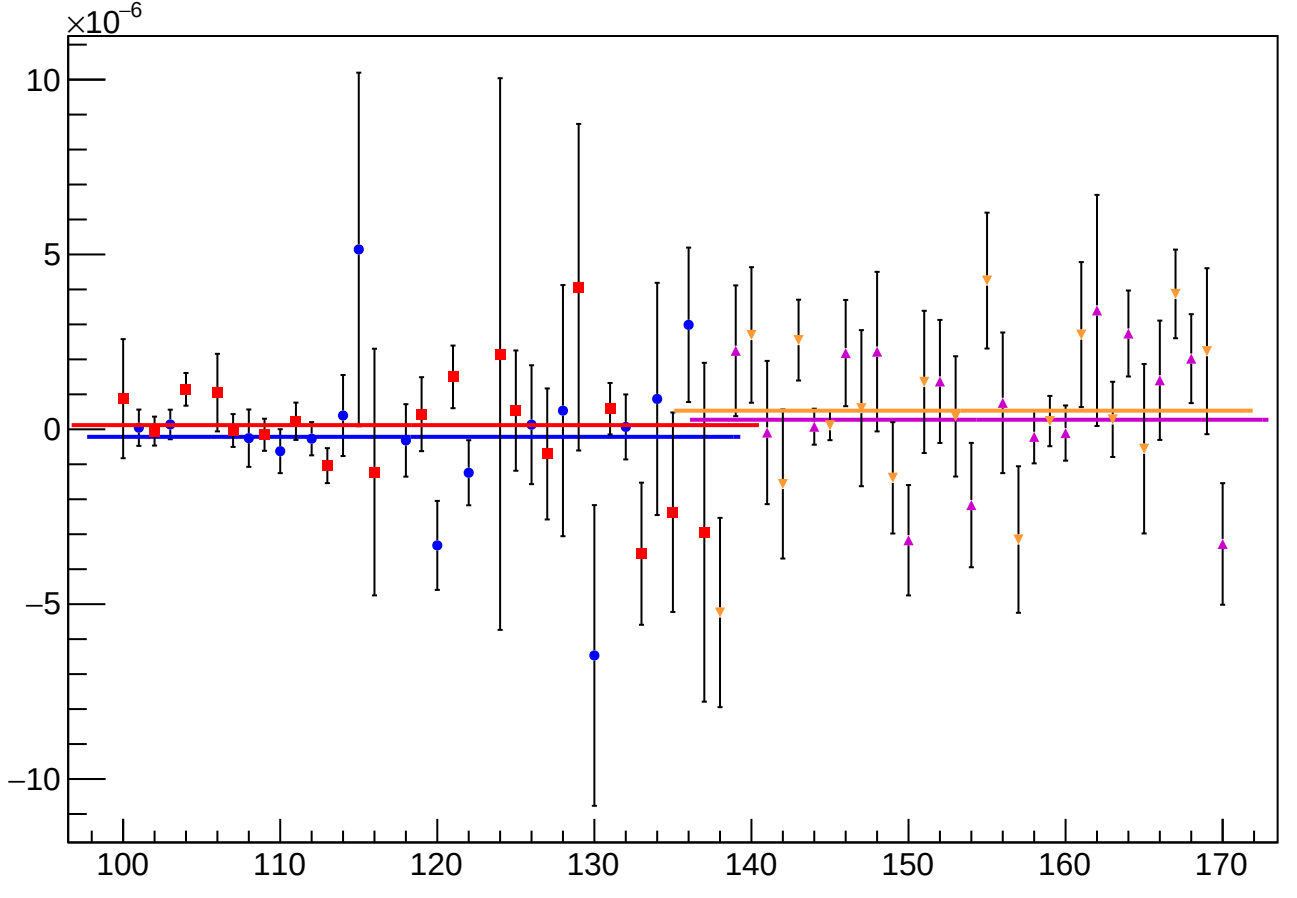
Left: 19.720+/-0.003 χ^2/NDF: 1892797.9/32

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.198+/-0.003 χ^2/NDF:1985720.1/31

Out: 18.519+/-0.003 χ^2/NDF:2274303.6/35

All: 18.358+/-0.002 χ^2/NDF: 4265671.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/15

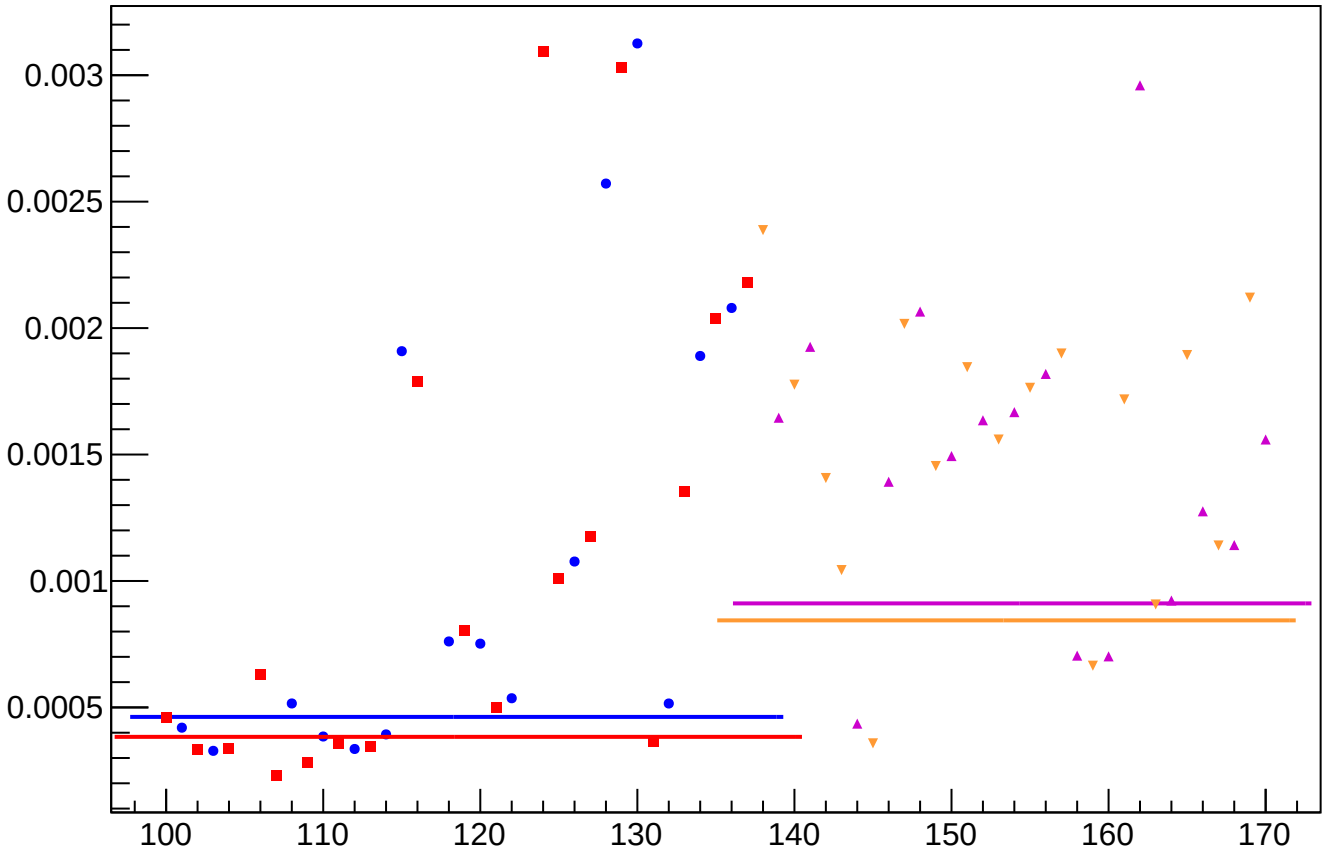
Left: 0.000+/-0.000 χ^2/NDF: 51.3/32

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:39.1/31

Out: 0.000+/-0.000 χ^2/NDF:49.9/35

All: 0.000+/-0.000 χ^2/NDF: 90.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:8094923.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6093414.1/15

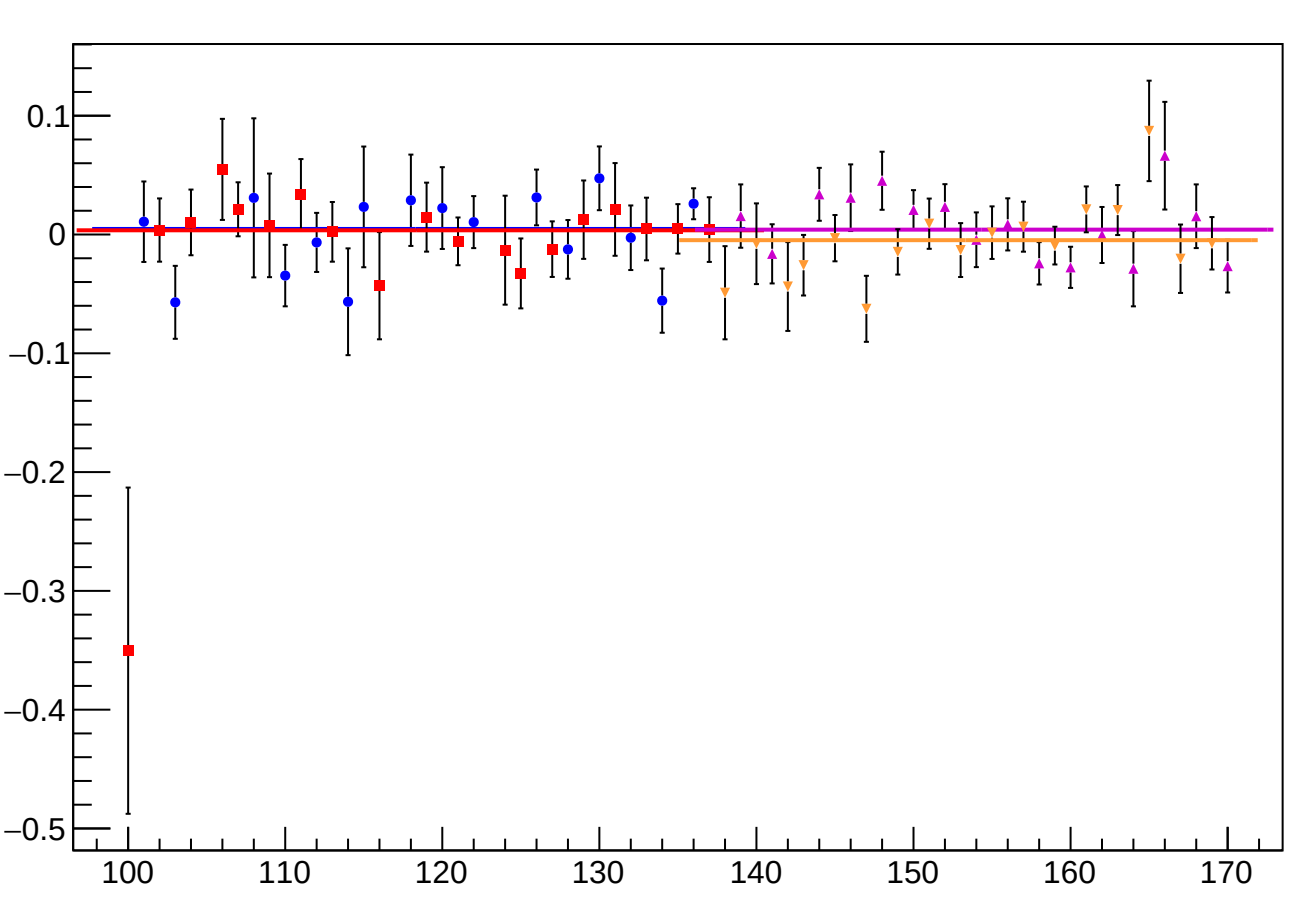
Left: 0.001+/-0.000 χ^2/NDF: 14242719.0/32

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:13225324.6/31

Out: 0.001+/-0.000 χ^2/NDF:16026212.3/35

All: 0.001+/-0.000 χ^2/NDF: 29673477.9/67



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/16

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.006 χ^2/NDF:19.5/15

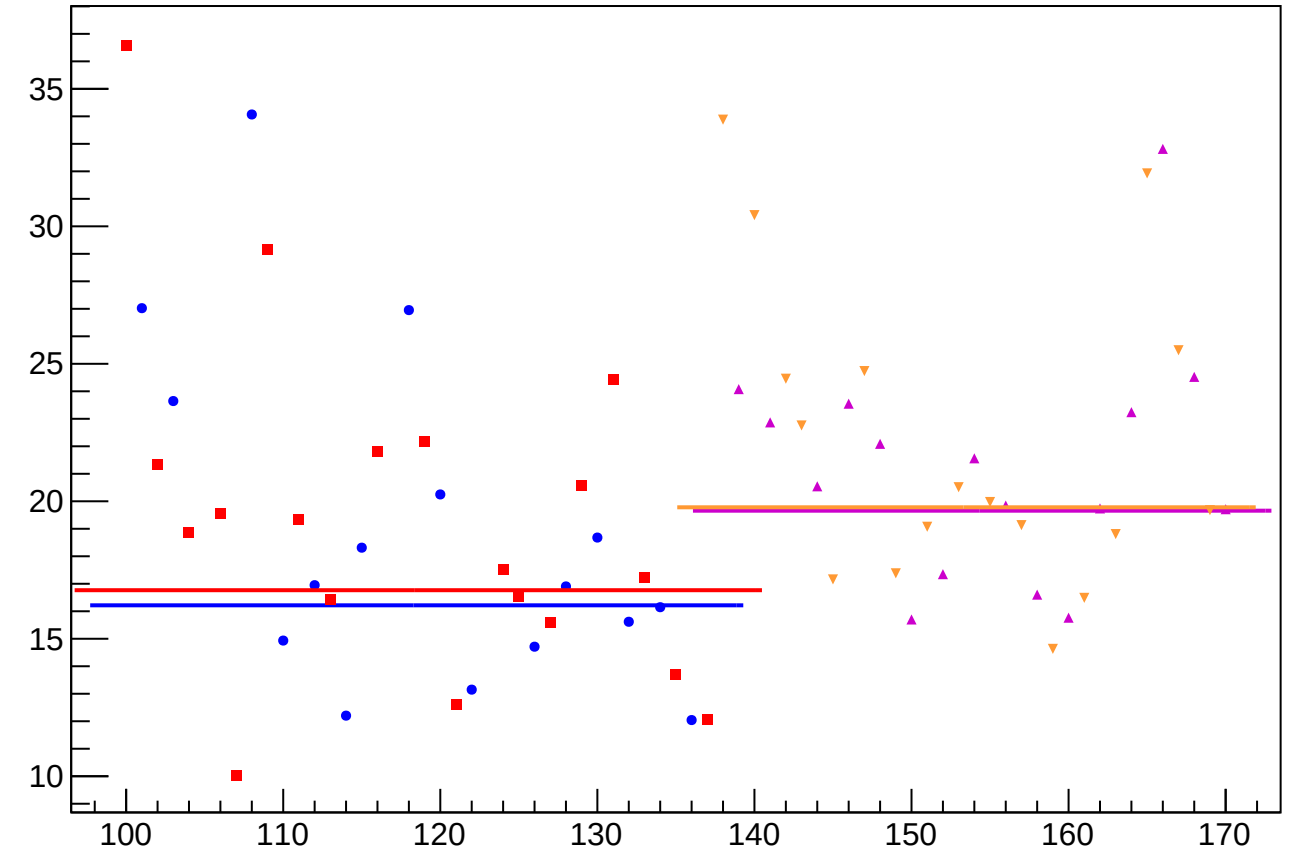
Left: -0.000+/-0.004 χ^2/NDF: 37.8/32

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.001+/-0.004 χ^2/NDF:31.5/35

All: 0.002+/-0.003 χ^2/NDF: 73.4/67



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.781+/-0.004 χ^2/NDF:1166953.0/16

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.658+/-0.004 χ^2/NDF:725578.1/15

Left: 19.720+/-0.003 χ^2/NDF: 1893008.1/32

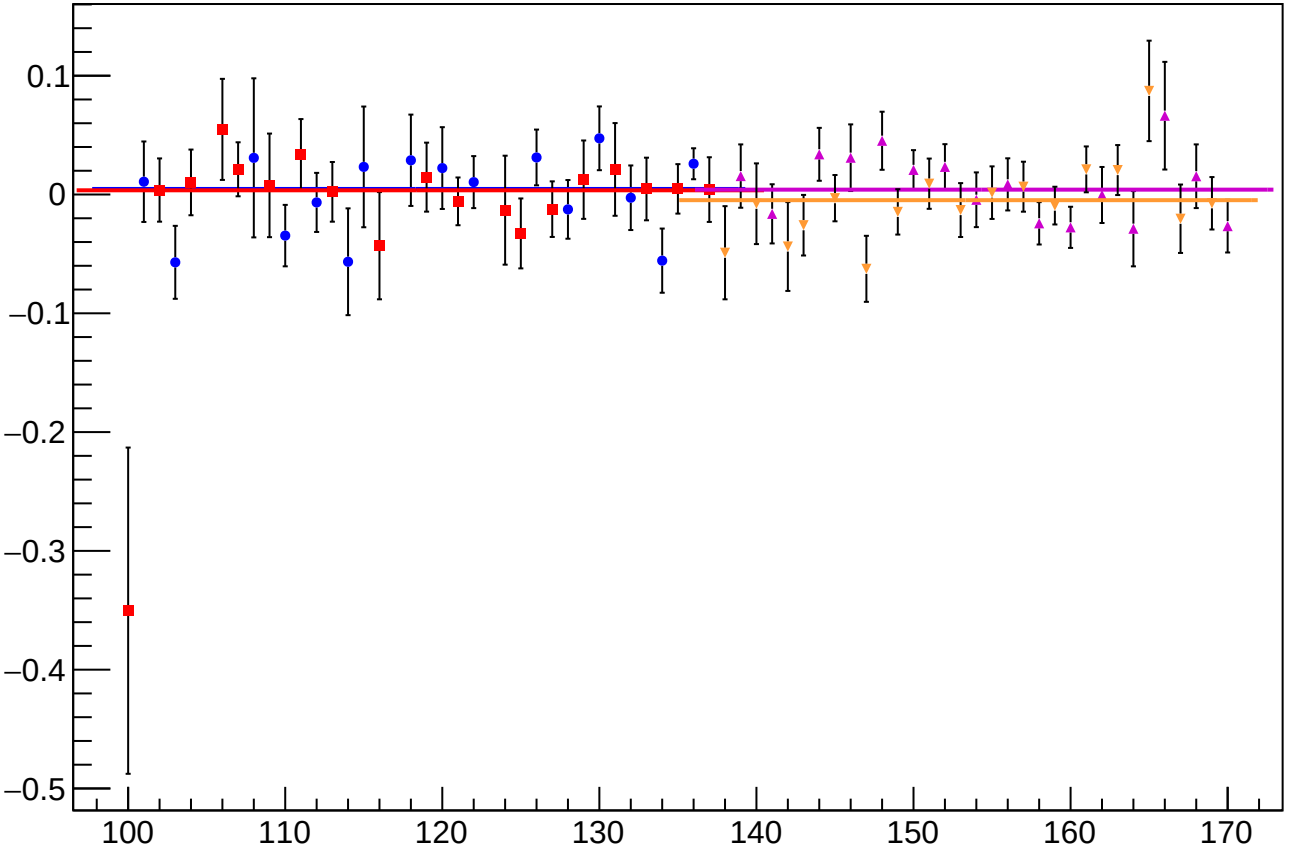
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.198+/-0.003 χ^2/NDF:1985814.4/31

Out: 18.519+/-0.003 χ^2/NDF:2274446.5/35

All: 18.358+/-0.002 χ^2/NDF: 4265909.2/67

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.006 χ^2/NDF:17.0/16

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.006 χ^2/NDF:19.5/15

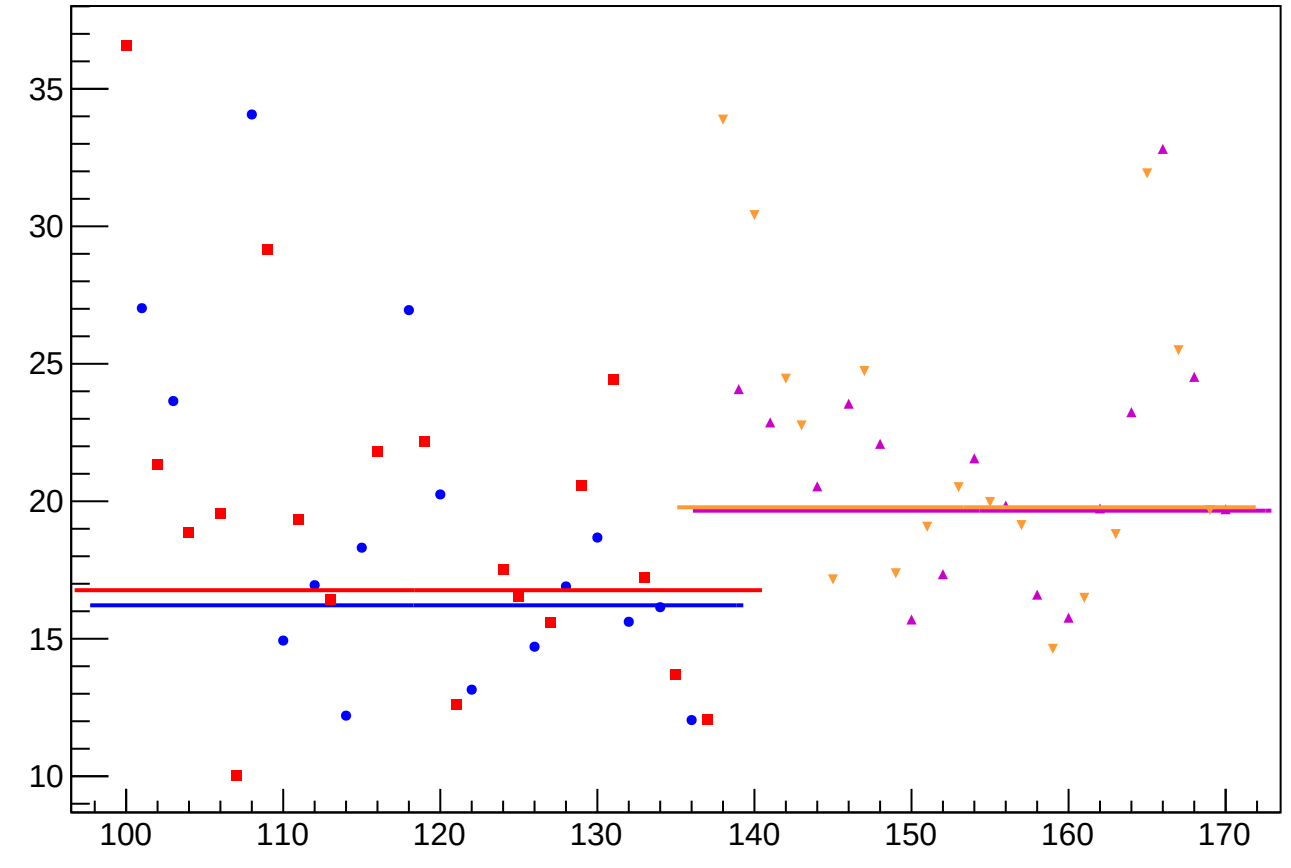
Left: -0.000+/-0.004 χ^2/NDF: 37.8/32

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.001+/-0.004 χ^2/NDF:31.5/35

All: 0.002+/-0.003 χ^2/NDF: 73.4/67



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.781+/-0.004 χ^2/NDF:1166953.0/16

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.658+/-0.004 χ^2/NDF:725578.1/15

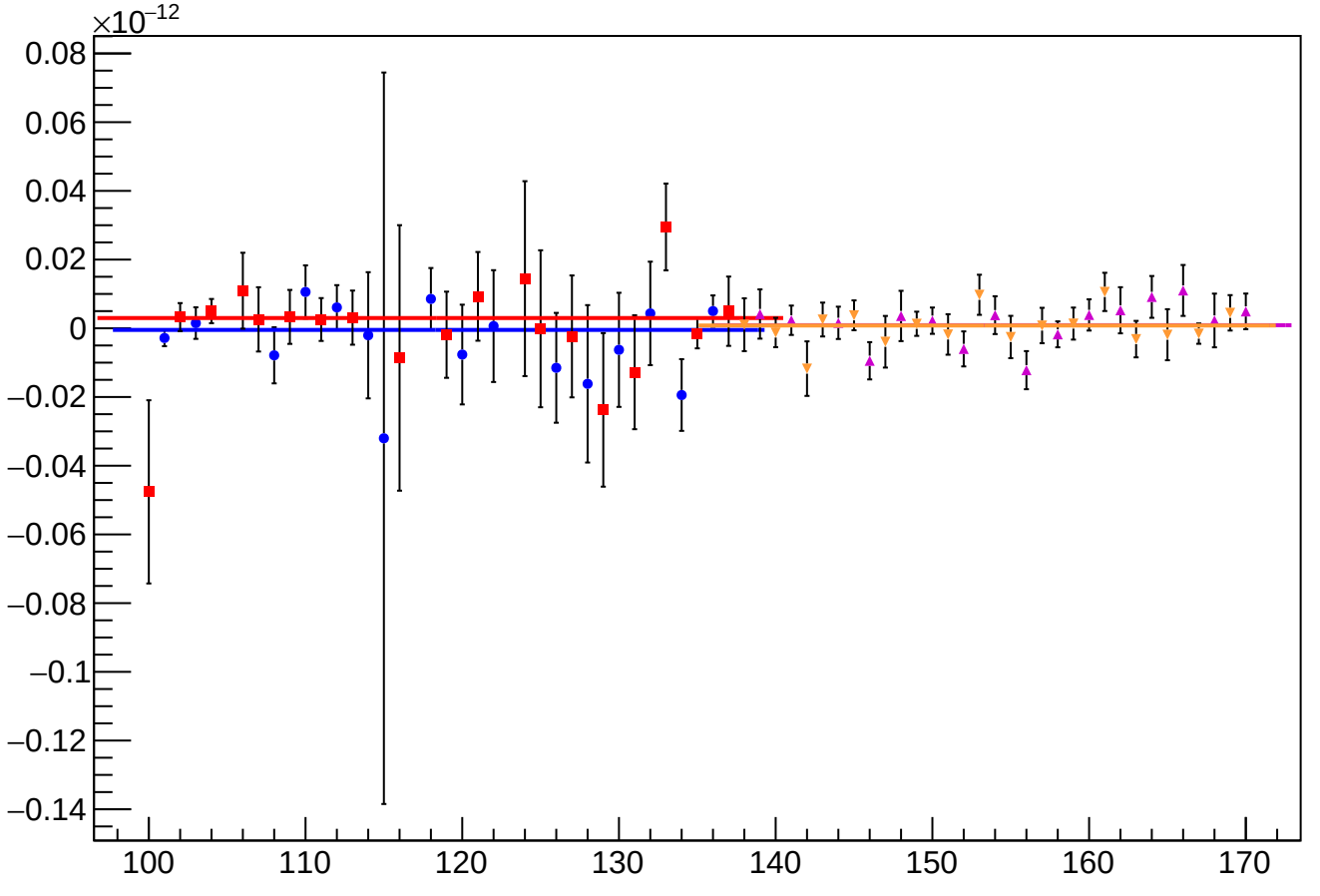
Left: 19.720+/-0.003 χ^2/NDF: 1893008.1/32

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.198+/-0.003 χ^2/NDF:1985814.4/31

Out: 18.519+/-0.003 χ^2/NDF:2274446.5/35

All: 18.358+/-0.002 χ^2/NDF: 4265909.2/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/15

Left: 0.000+/-0.000 χ^2/NDF: 29.1/32

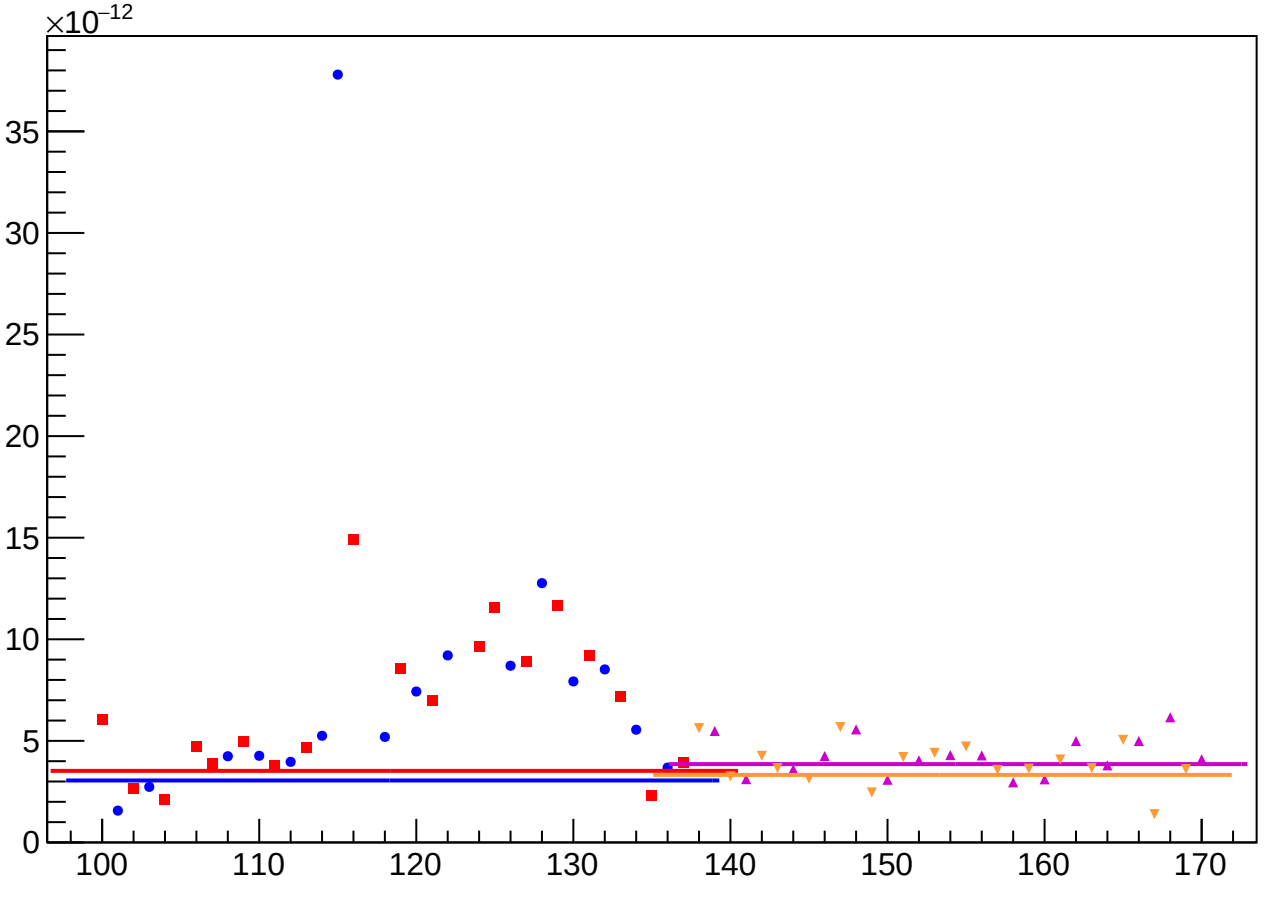
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:30.3/31

Out: 0.000+/-0.000 χ^2/NDF:25.5/35

All: 0.000+/-0.000 χ^2/NDF: 56.5/67

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1779959.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:847162.0/15

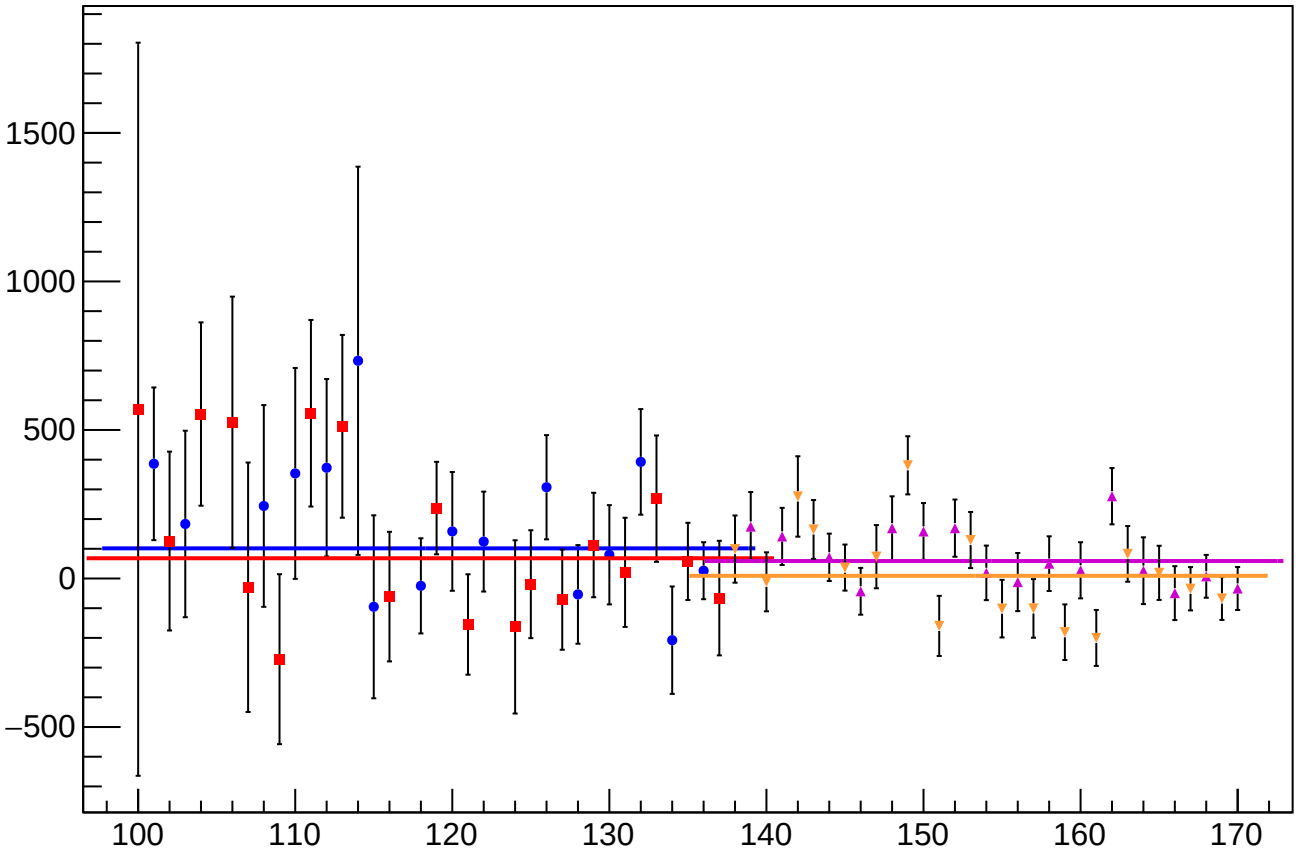
Left: 0.000+/-0.000 χ^2/NDF: 2805552.8/32

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4080920.5/31

Out: 0.000+/-0.000 χ^2/NDF:4356017.6/35

All: 0.000+/-0.000 χ^2/NDF: 8460338.4/67



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 9.074+/-22.612 χ^2/NDF:40.1/16

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 58.771+/-22.627 χ^2/NDF:16.7/15

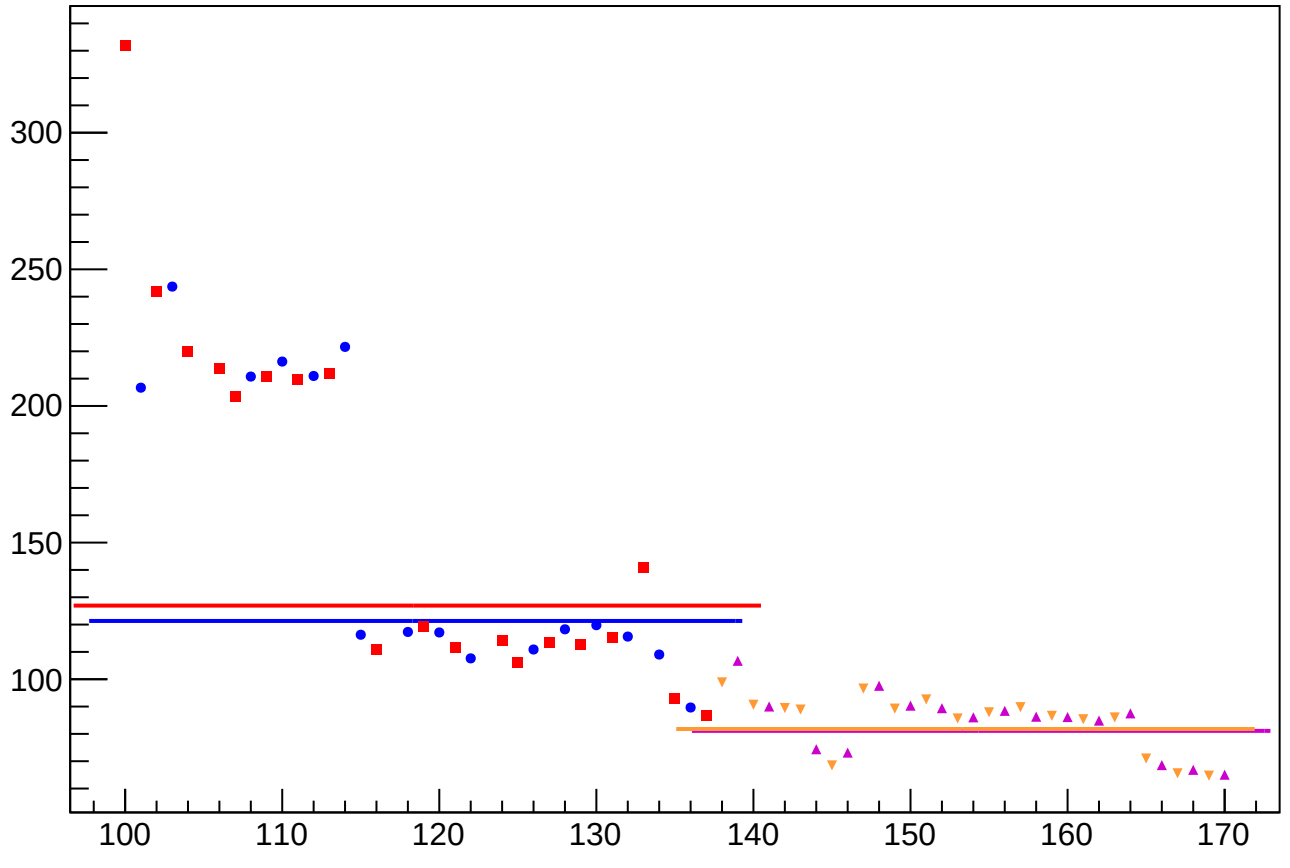
Left: 33.907+/-15.994 χ^2/NDF: 59.2/32

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 66.631+/-20.438 χ^2/NDF:30.7/31

Out: 19.325+/-20.555 χ^2/NDF:57.4/35

All: 43.114+/-14.493 χ^2/NDF: 90.8/67



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 81.789+/-0.016 χ^2/NDF:486311.5/16

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

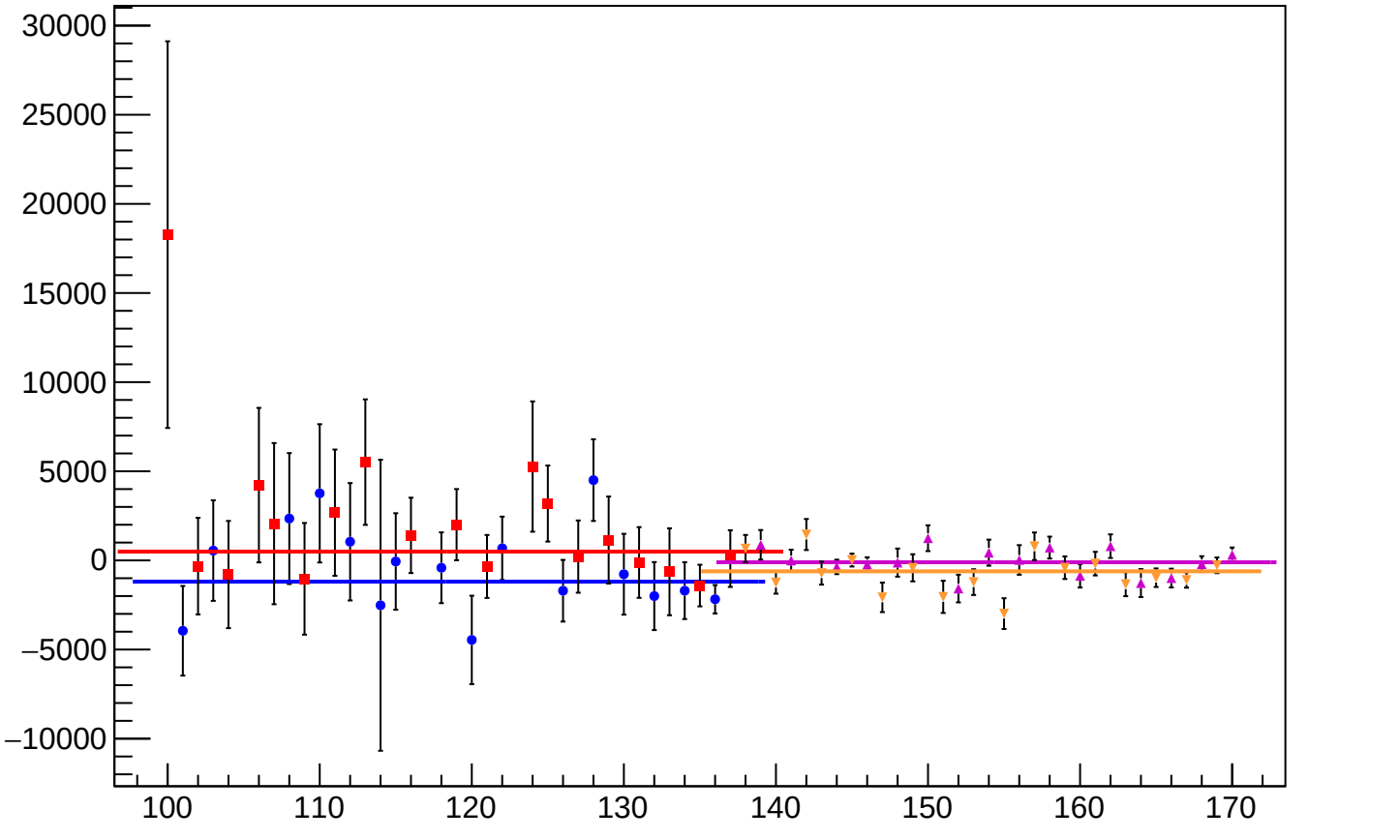
Left: 81.448+/-0.011 χ^2/NDF: 970308.2/32

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 88.511+/-0.014 χ^2/NDF:2933180.3/31

Out: 89.630+/-0.015 χ^2/NDF:3342906.7/35

All: 89.068+/-0.010 χ^2/NDF: 6279064.6/67



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -612.209+/-147.183 χ^2/NDF:33.7/16

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -105.359+/-143.950 χ^2/NDF:20.7/15

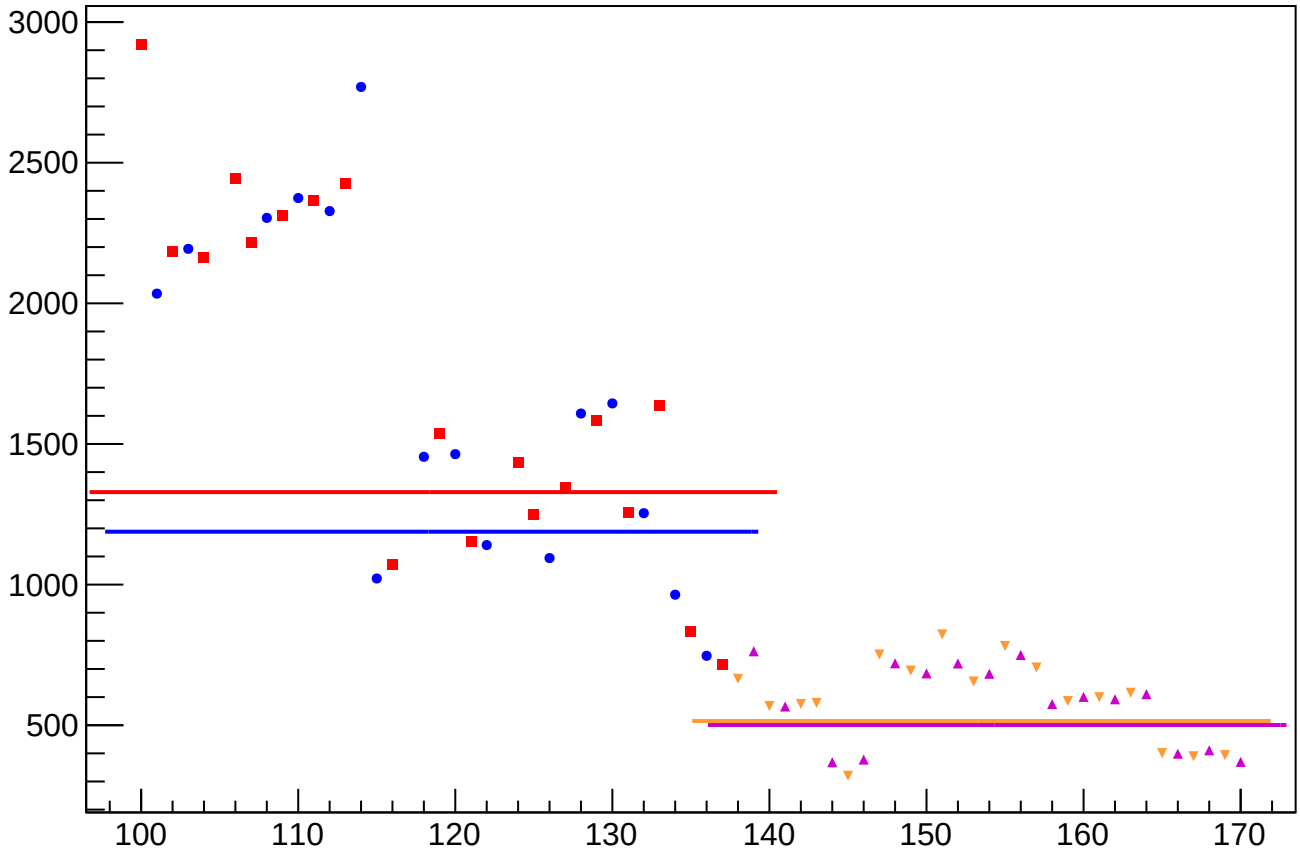
Left: -353.155+/-102.912 χ^2/NDF: 60.5/32

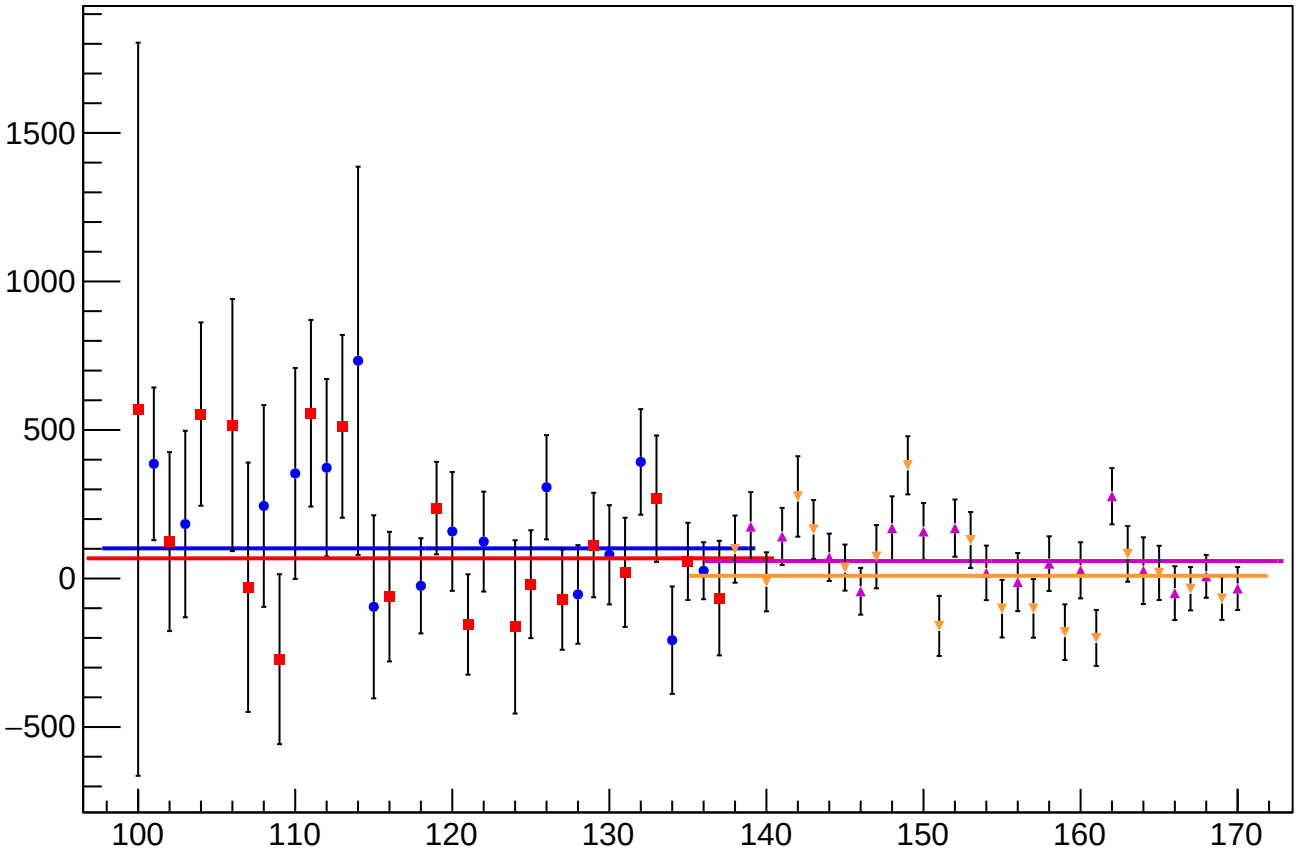
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -195.413+/-137.857 χ^2/NDF:41.3/31

Out: -530.623+/-141.655 χ^2/NDF:51.8/35

All: -358.464+/-98.795 χ^2/NDF: 96.0/67


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: 514.960+/-0.104 χ²/NDF:2110171.0/16
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 500.802+/-0.102 χ²/NDF:1878487.8/15
Left: 507.724+/-0.073 χ²/NDF: 3998116.9/32
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 557.750+/-0.097 χ²/NDF:7700686.6/31
Out: 574.950+/-0.100 χ²/NDF:8575450.7/35
All: 566.117+/-0.070 χ²/NDF: 16291280.3/67



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 9.076+/-22.612 χ^2/NDF:40.1/16

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 58.771+/-22.627 χ^2/NDF:16.7/15

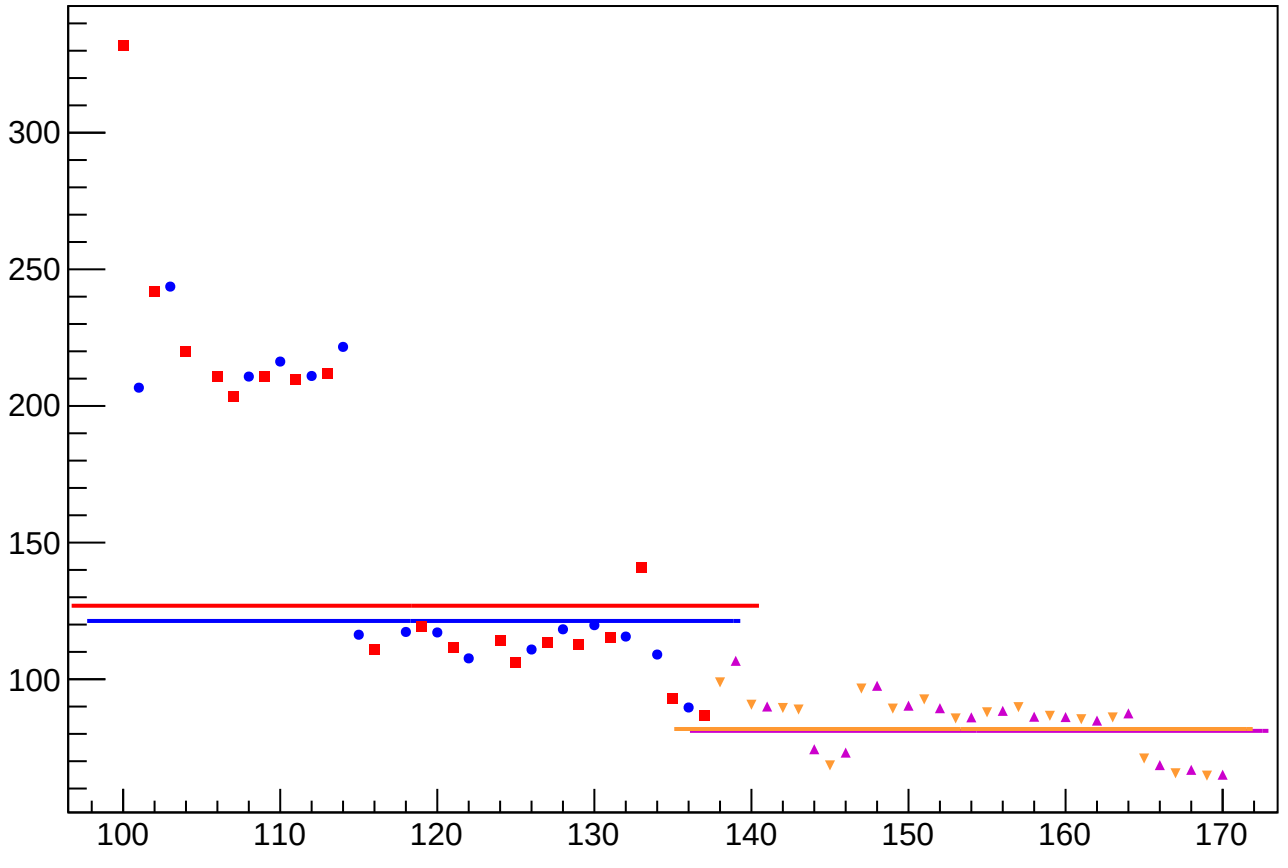
Left: 33.908+/-15.994 χ^2/NDF: 59.2/32

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 66.628+/-20.438 χ^2/NDF:30.7/31

Out: 19.286+/-20.556 χ^2/NDF:57.4/35

All: 43.093+/-14.493 χ^2/NDF: 90.7/67



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 81.789+/-0.016 χ^2/NDF:486311.5/16

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

Left: 81.448+/-0.011 χ^2/NDF: 970308.1/32

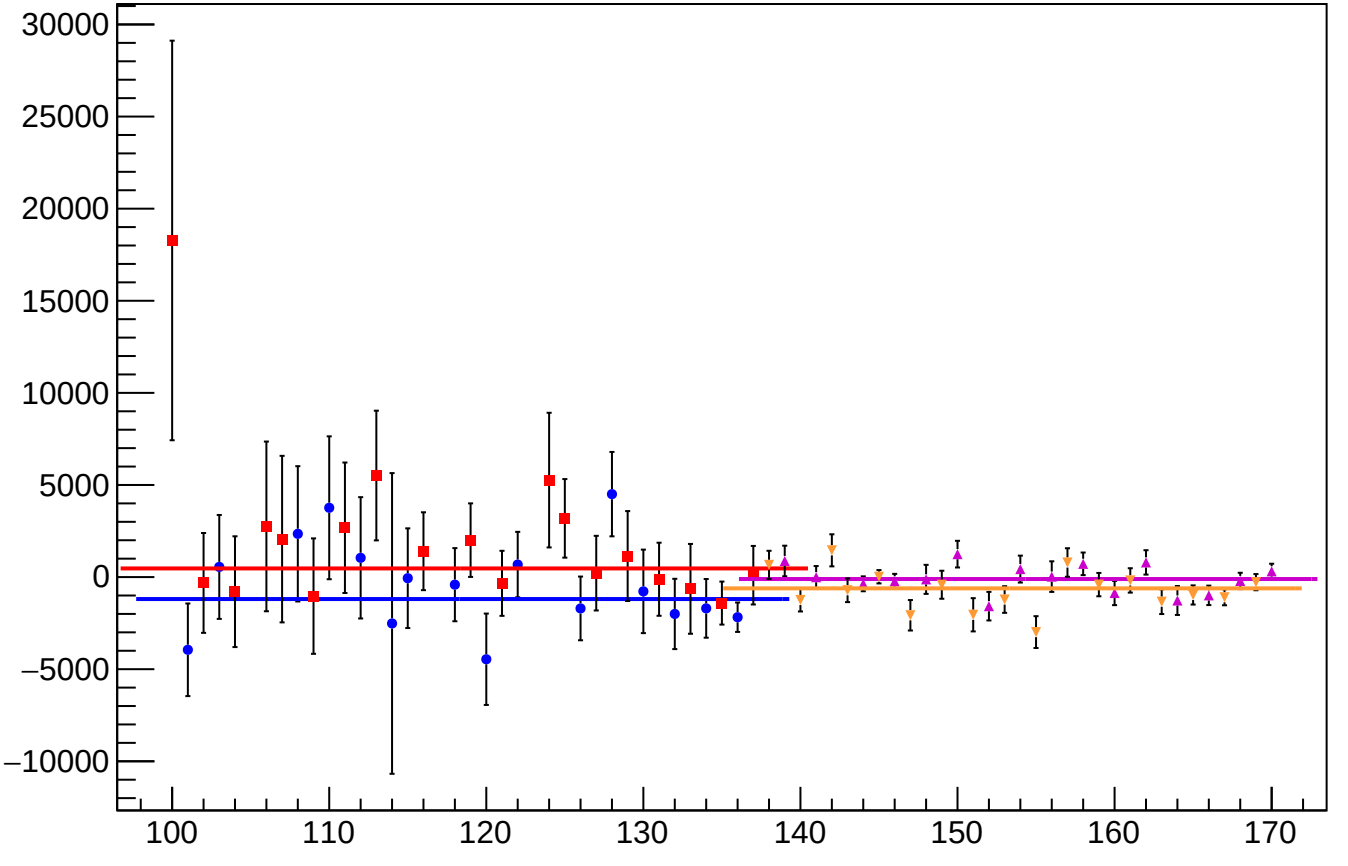
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 88.511+/-0.014 χ^2/NDF:2933182.4/31

Out: 89.620+/-0.015 χ^2/NDF:3333584.1/35

All: 89.063+/-0.010 χ^2/NDF: 6269693.8/67

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -612.204+/-147.183 χ^2/NDF:33.8/16

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -105.355+/-143.950 χ^2/NDF:20.7/15

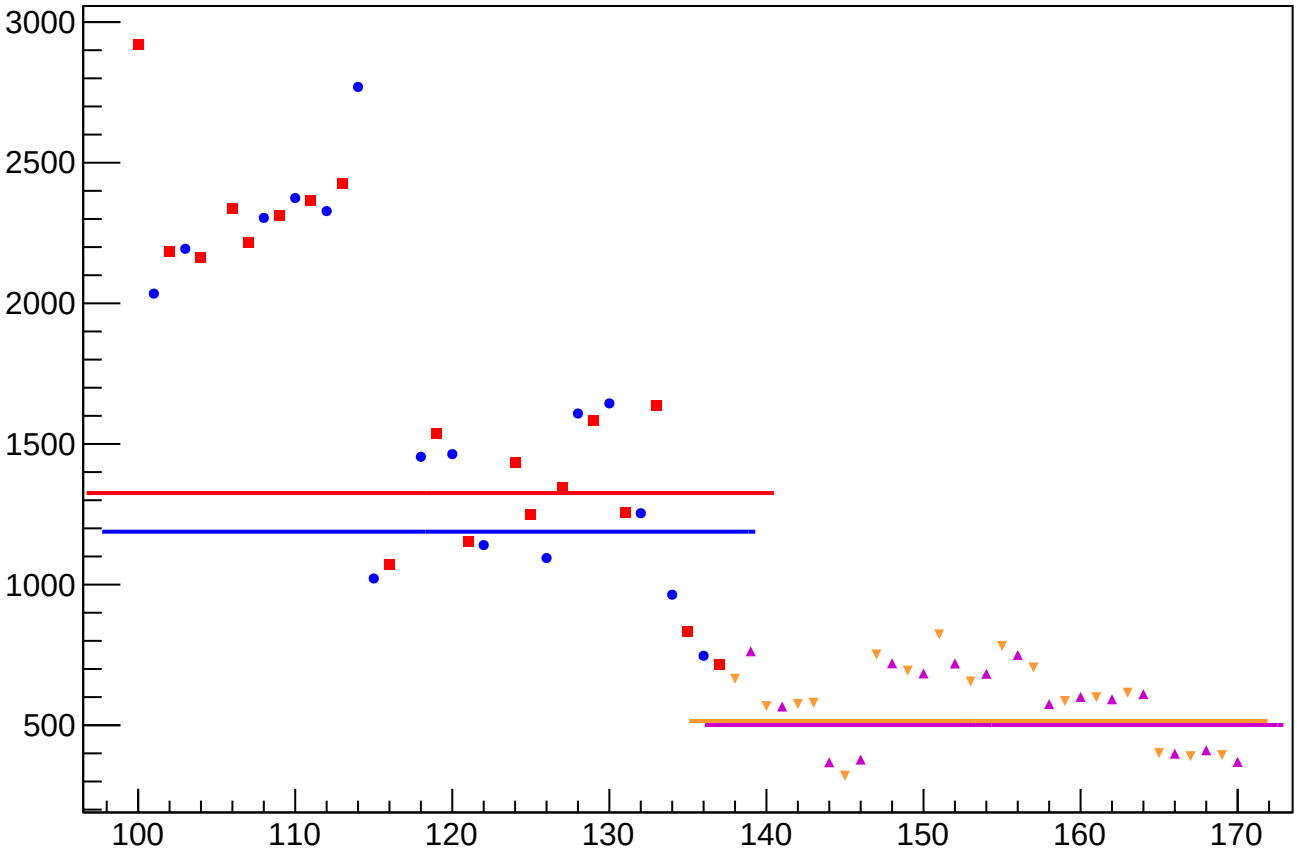
Left: -353.151+/-102.912 χ^2/NDF: 60.5/32

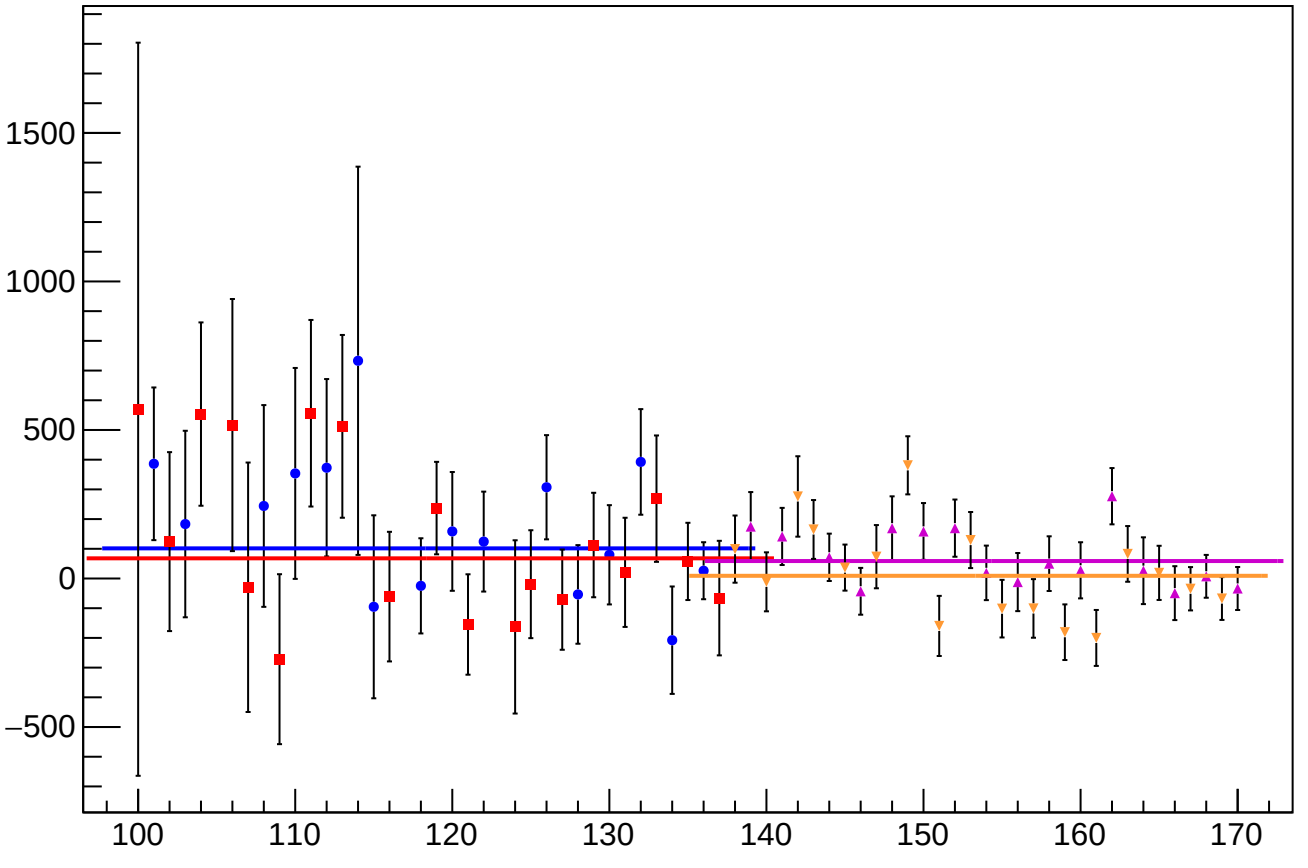
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -195.408+/-137.857 χ^2/NDF:41.3/31

Out: -532.580+/-141.664 χ^2/NDF:51.1/35

All: -359.403+/-98.798 χ^2/NDF: 95.3/67


asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 514.960+/-0.104 χ²/NDF:2110180.6/16
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 500.803+/-0.102 χ²/NDF:1878489.9/15
Left: 507.724+/-0.073 χ²/NDF: 3998127.9/32
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 557.750+/-0.097 χ²/NDF:7700706.2/31
Out: 574.615+/-0.100 χ²/NDF:8495643.5/35
All: 565.953+/-0.070 χ²/NDF: 16210907.5/67



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 9.076+/-22.612 χ^2/NDF:40.1/16

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 58.771+/-22.627 χ^2/NDF:16.7/15

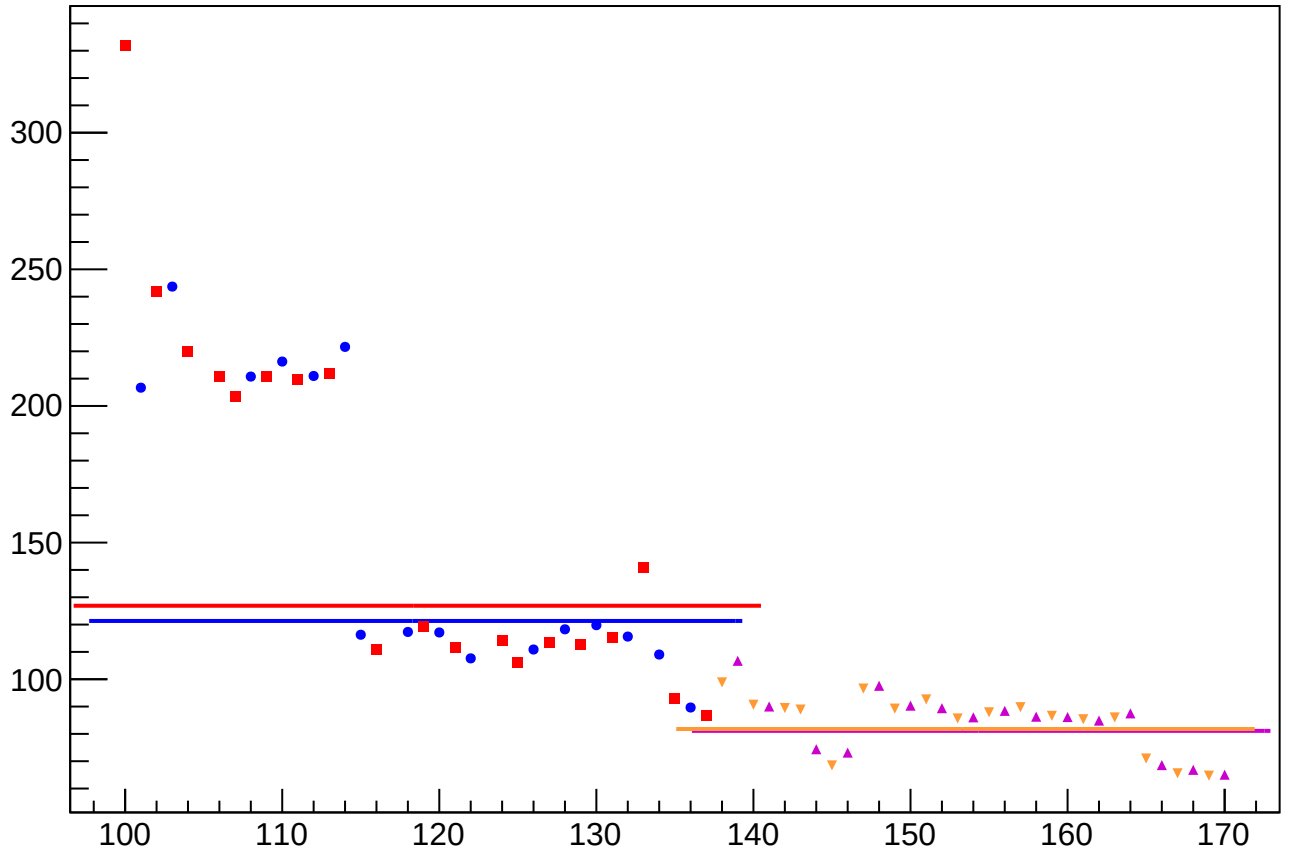
Left: 33.908+/-15.994 χ^2/NDF: 59.2/32

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 66.628+/-20.438 χ^2/NDF:30.7/31

Out: 19.286+/-20.556 χ^2/NDF:57.4/35

All: 43.093+/-14.493 χ^2/NDF: 90.7/67



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 81.789+/-0.016 χ^2/NDF:486311.5/16

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

Left: 81.448+/-0.011 χ^2/NDF: 970308.1/32

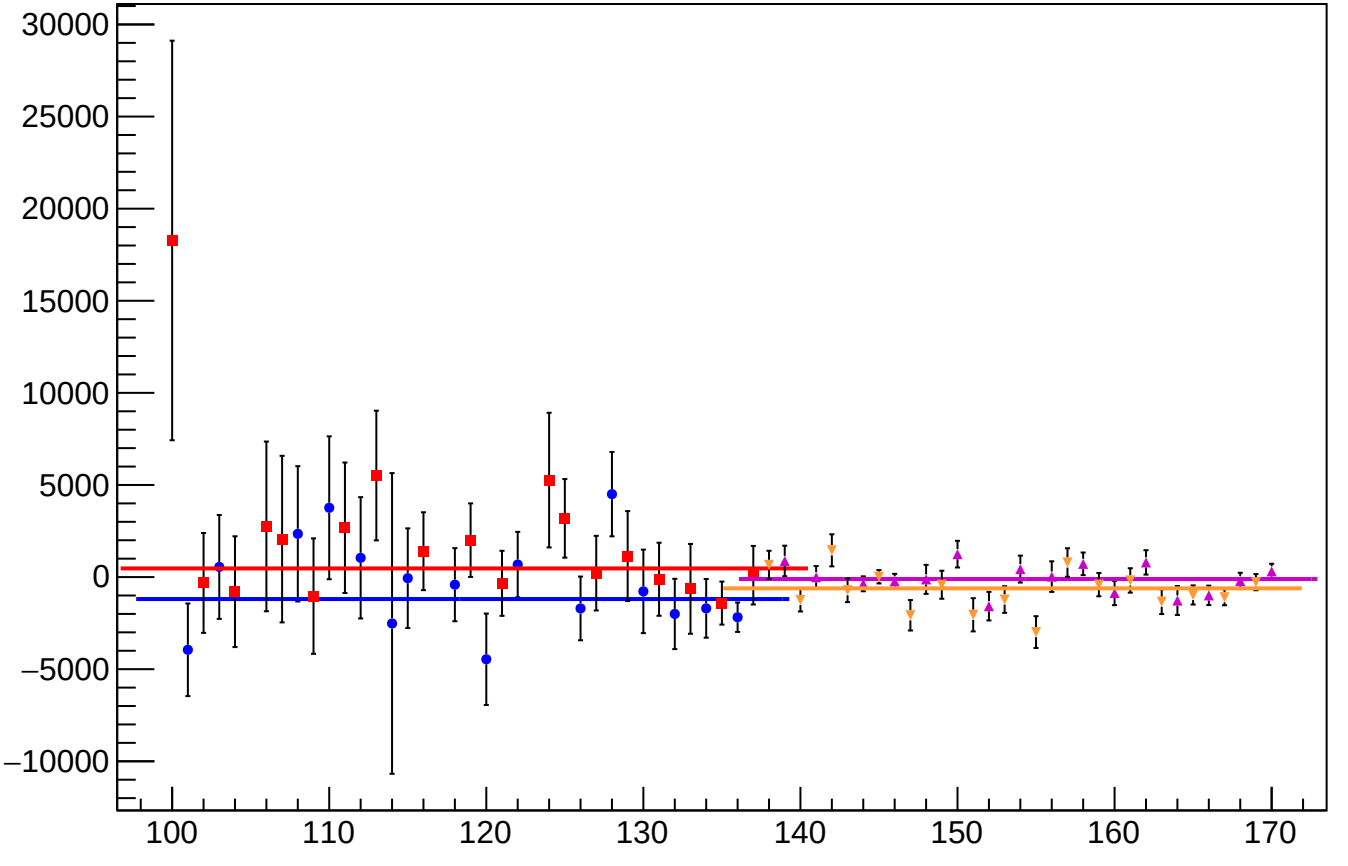
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 88.511+/-0.014 χ^2/NDF:2933182.4/31

Out: 89.620+/-0.015 χ^2/NDF:3333584.1/35

All: 89.063+/-0.010 χ^2/NDF: 6269693.8/67

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: -612.204+/-147.183 χ^2/NDF:33.8/16

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -105.355+/-143.950 χ^2/NDF:20.7/15

Left: -353.151+/-102.912 χ^2/NDF: 60.5/32

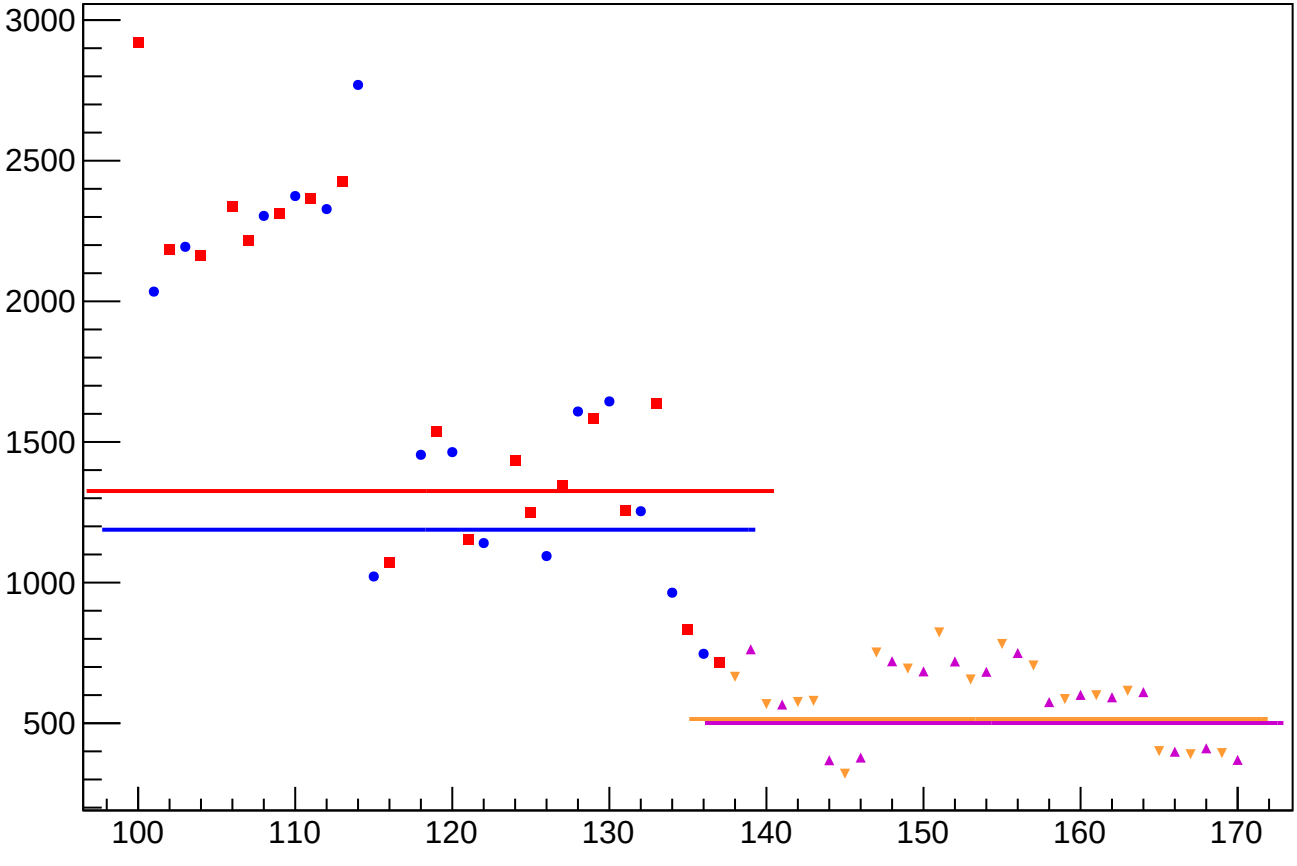
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -195.408+/-137.857 χ^2/NDF:41.3/31

Out: -532.580+/-141.664 χ^2/NDF:51.1/35

All: -359.403+/-98.798 χ^2/NDF: 95.3/67

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: 514.960+/-0.104 χ^2/NDF:2110180.6/16

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 500.803+/-0.102 χ^2/NDF:1878489.9/15

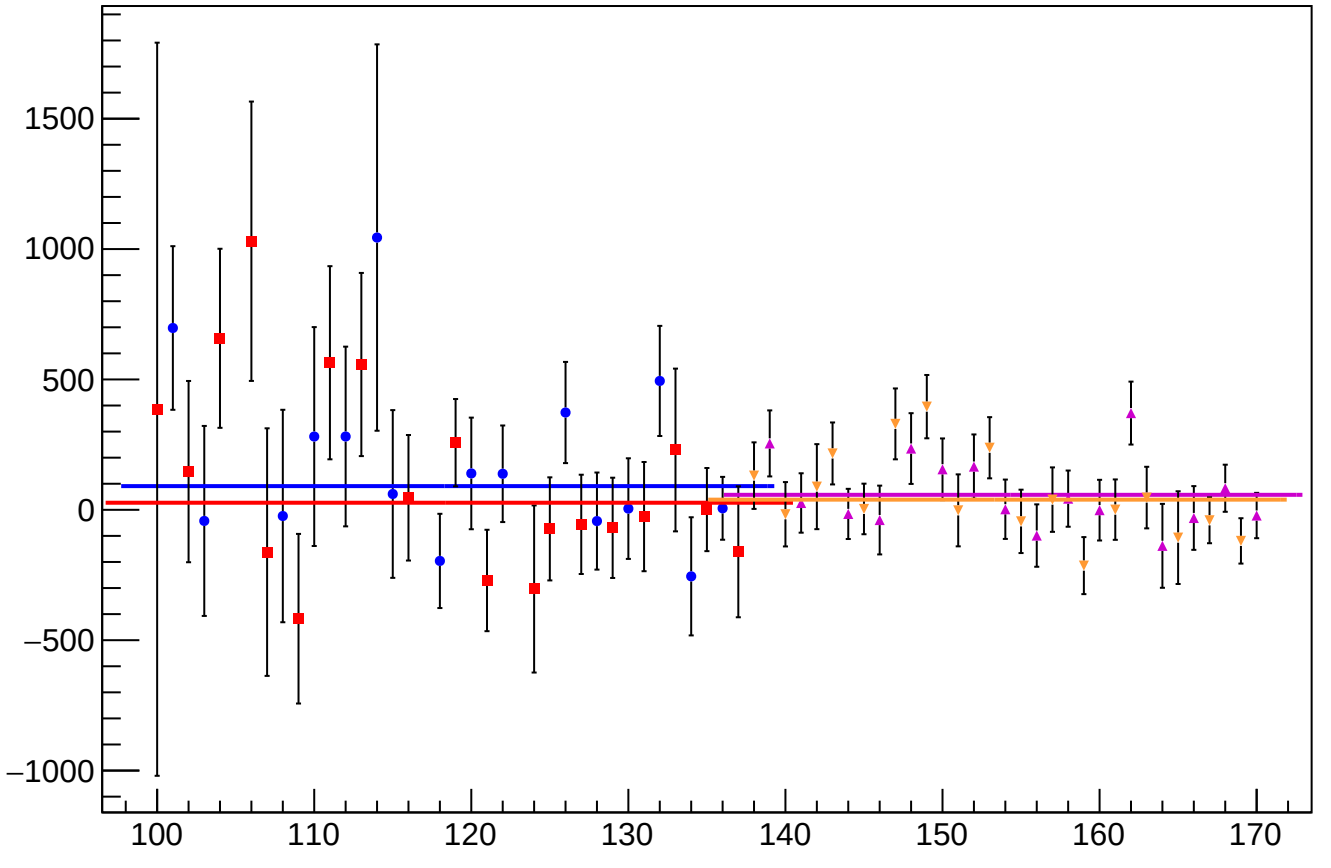
Left: 507.724+/-0.073 χ^2/NDF: 3998127.9/32

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 557.750+/-0.097 χ^2/NDF:7700706.2/31

Out: 574.615+/-0.100 χ^2/NDF:8495643.5/35

All: 565.953+/-0.070 χ^2/NDF: 16210907.5/67



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 38.993+/-28.339 χ^2/NDF:30.1/16

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 57.525+/-28.483 χ^2/NDF:18.7/15

Left: 48.212+/-20.089 χ^2/NDF: 48.9/32

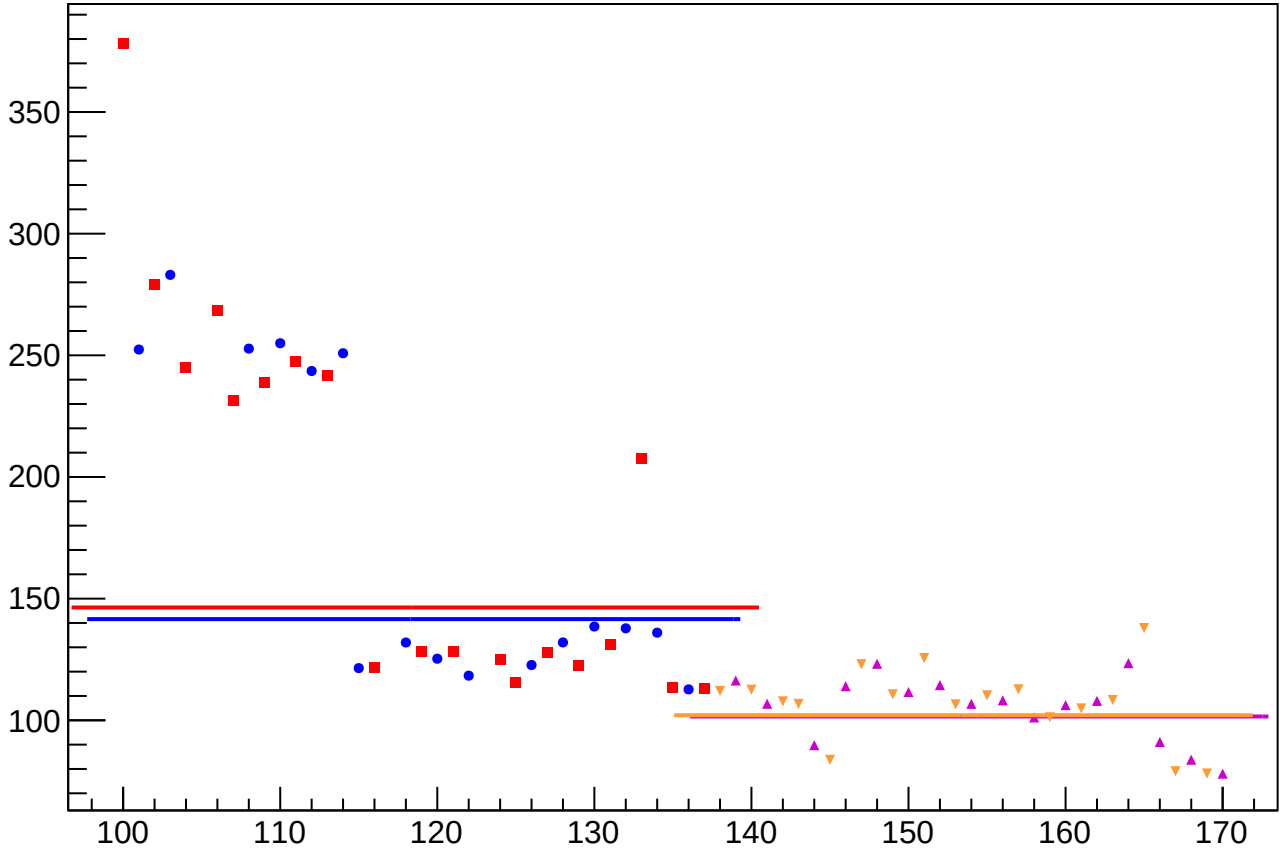
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 64.472+/-25.347 χ^2/NDF:37.0/31

Out: 36.651+/-25.377 χ^2/NDF:50.7/35

All: 50.578+/-17.933 χ^2/NDF: 88.3/67

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 102.080+/-0.020 χ^2/NDF:623012.0/16

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 101.563+/-0.020 χ^2/NDF:461117.3/15

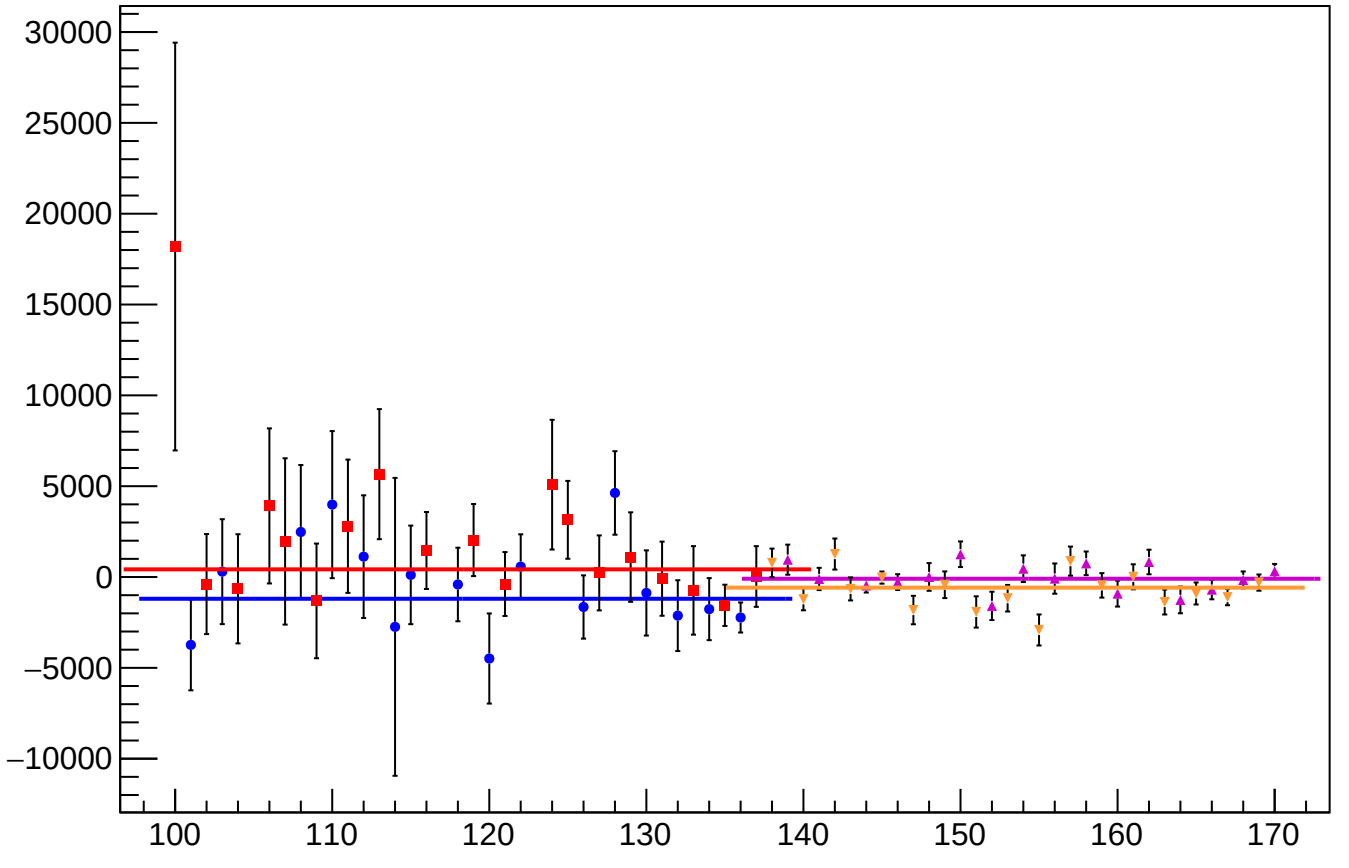
Left: 101.823+/-0.014 χ^2/NDF: 1084459.7/32

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 109.892+/-0.018 χ^2/NDF:2545210.5/31

Out: 110.854+/-0.018 χ^2/NDF:3104383.0/35

All: 110.372+/-0.013 χ^2/NDF: 5651032.8/67



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -584.417+/-147.449 χ^2/NDF:32.0/16

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -95.350+/-145.537 χ^2/NDF:20.3/15

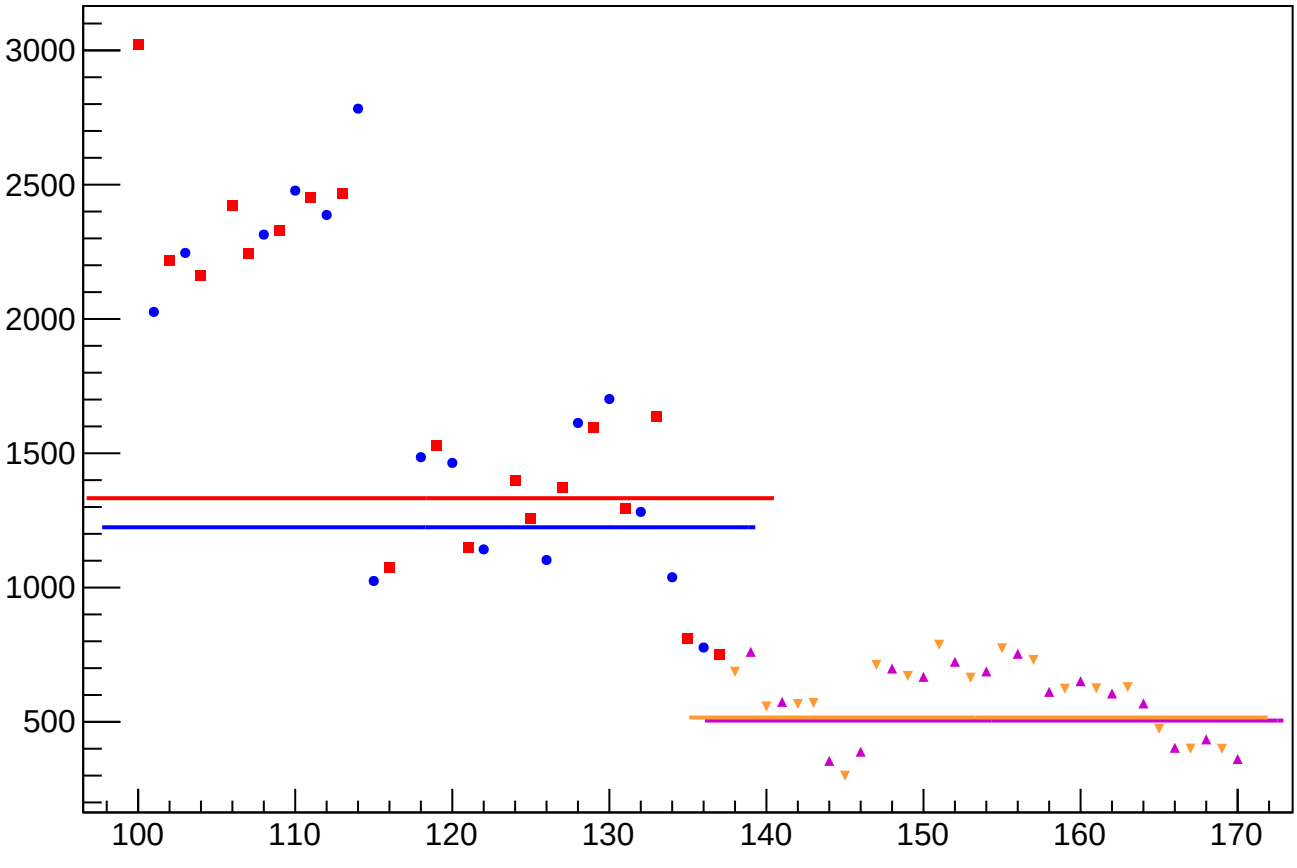
Left: -336.691+/-103.580 χ^2/NDF: 57.9/32

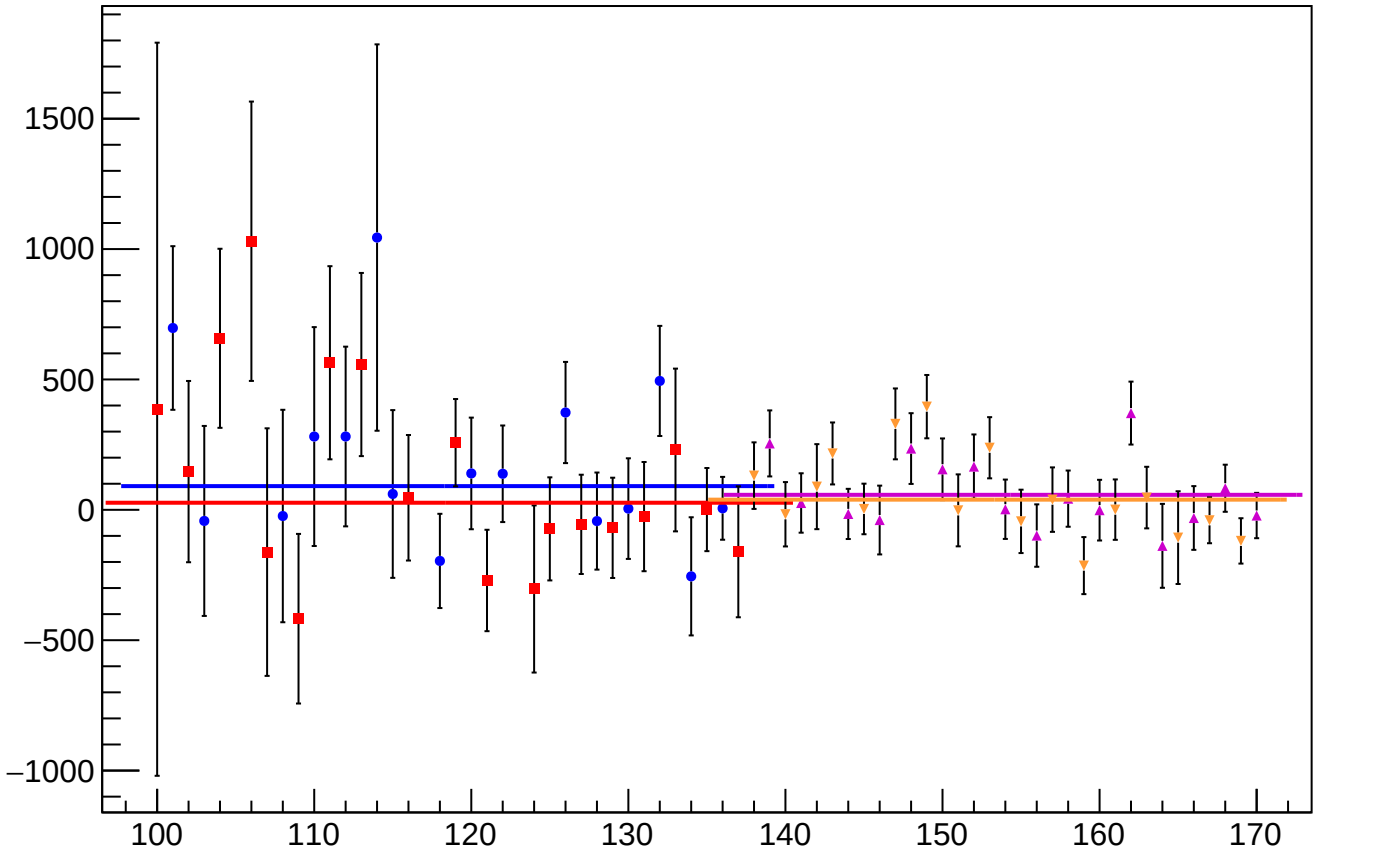
Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

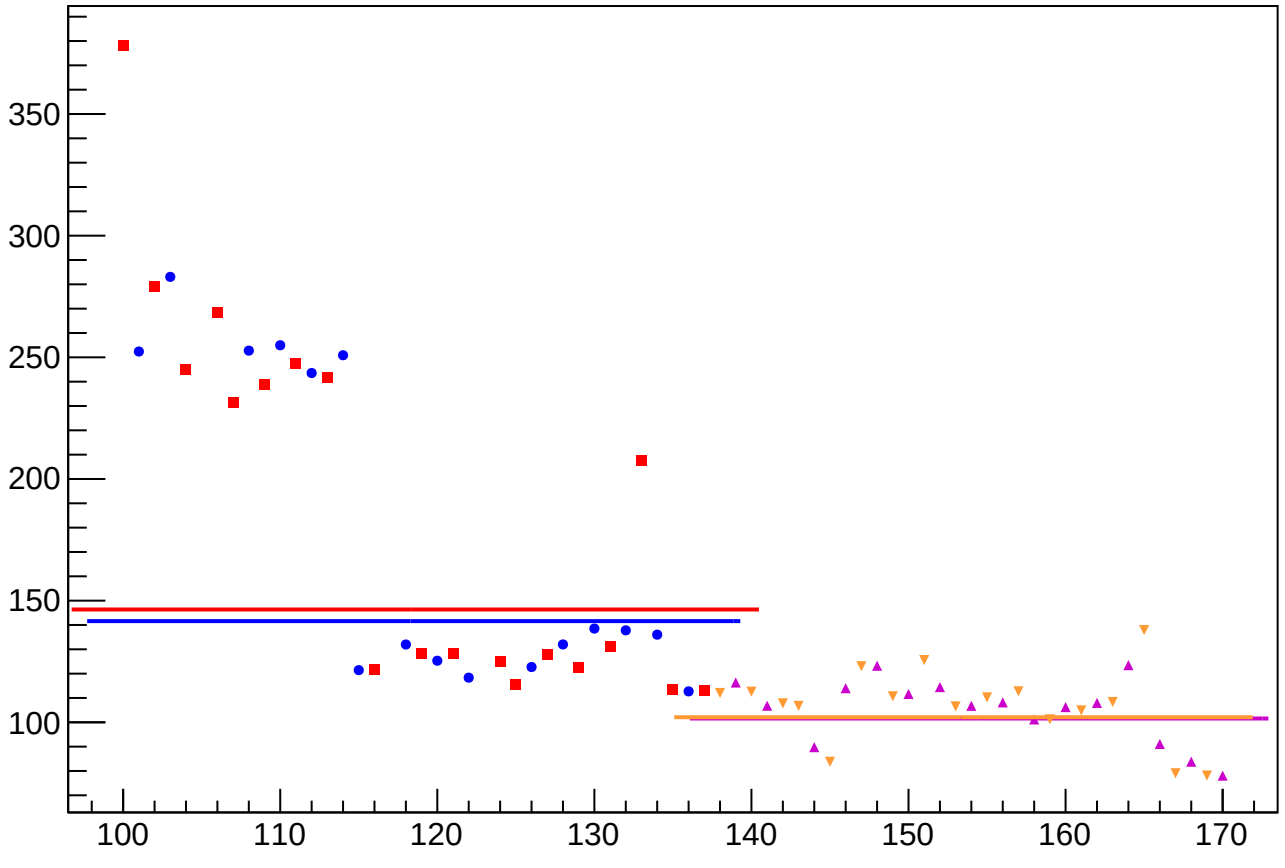
In: -184.167+/-139.545 χ^2/NDF:40.9/31

Out: -510.519+/-141.934 χ^2/NDF:49.7/35

All: -344.574+/-99.507 χ^2/NDF: 93.3/67


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: 516.165+/-0.104 χ²/NDF:2221769.3/16
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 504.859+/-0.103 χ²/NDF:1916703.3/15
Left: 510.438+/-0.073 χ²/NDF: 4144428.2/32
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 562.894+/-0.099 χ²/NDF:7819418.6/31
Out: 576.117+/-0.100 χ²/NDF:8720263.6/35
All: 569.393+/-0.070 χ²/NDF: 16548509.4/67


eigen_dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 90.910+/-55.564 χ²/NDF: 18.1/15
Left Out: 38.993+/-28.339 χ²/NDF:30.1/16
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 57.523+/-28.483 χ²/NDF:18.7/15
Left: 48.211+/-20.089 χ²/NDF: 48.9/32
Right: 59.862+/-39.793 χ²/NDF: 39.3/34
In: 64.471+/-25.347 χ²/NDF:37.0/31
Out: 36.650+/-25.377 χ²/NDF:50.7/35
All: 50.577+/-17.934 χ²/NDF: 88.3/67



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 102.080+/-0.020 χ^2/NDF:623000.3/16

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 101.564+/-0.020 χ^2/NDF:461103.3/15

Left: 101.823+/-0.014 χ^2/NDF: 1084433.9/32

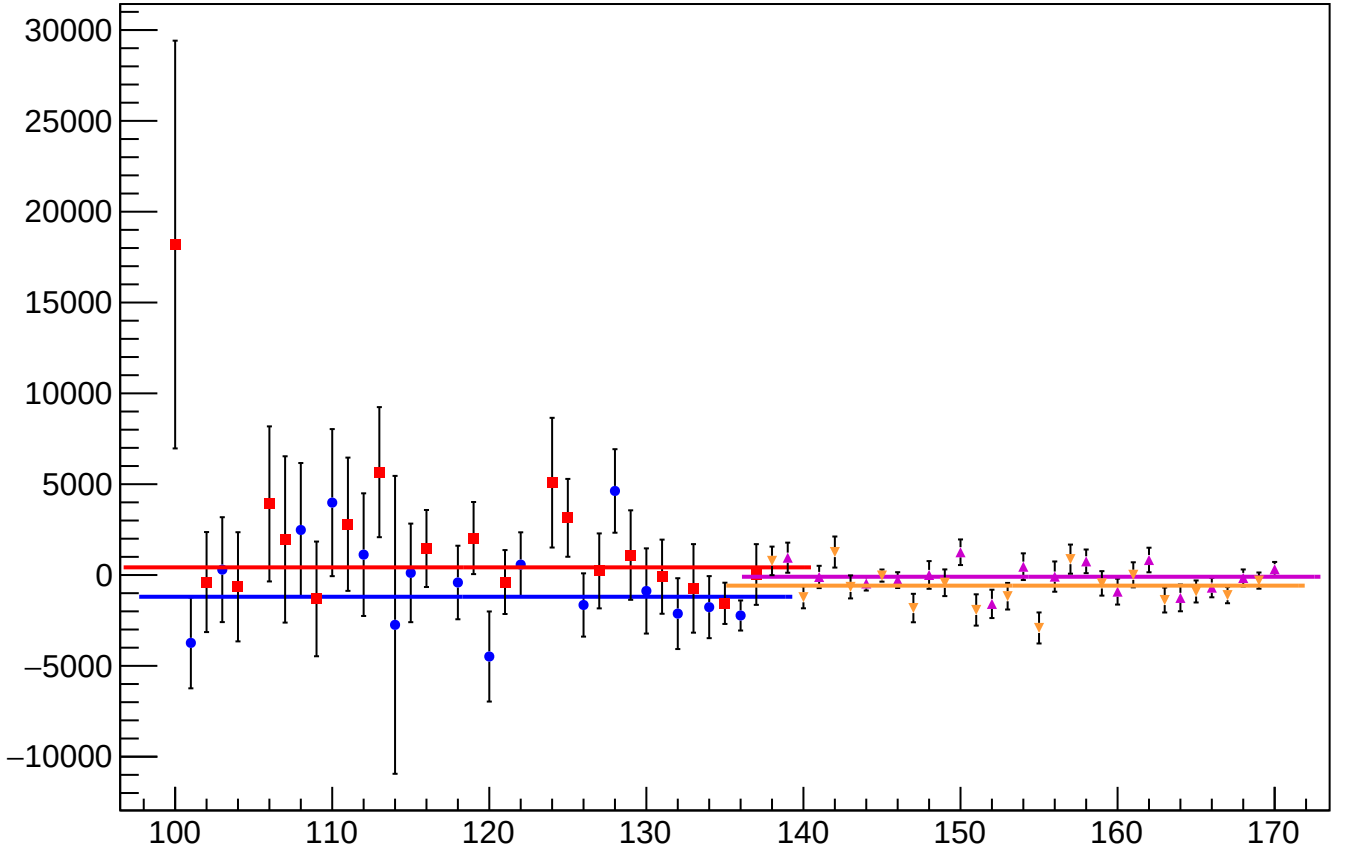
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 109.892+/-0.018 χ^2/NDF:2545138.5/31

Out: 110.854+/-0.018 χ^2/NDF:3104329.1/35

All: 110.372+/-0.013 χ^2/NDF: 5650906.6/67

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: -584.415+/-147.449 χ^2/NDF:32.0/16

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -95.350+/-145.536 χ^2/NDF:20.3/15

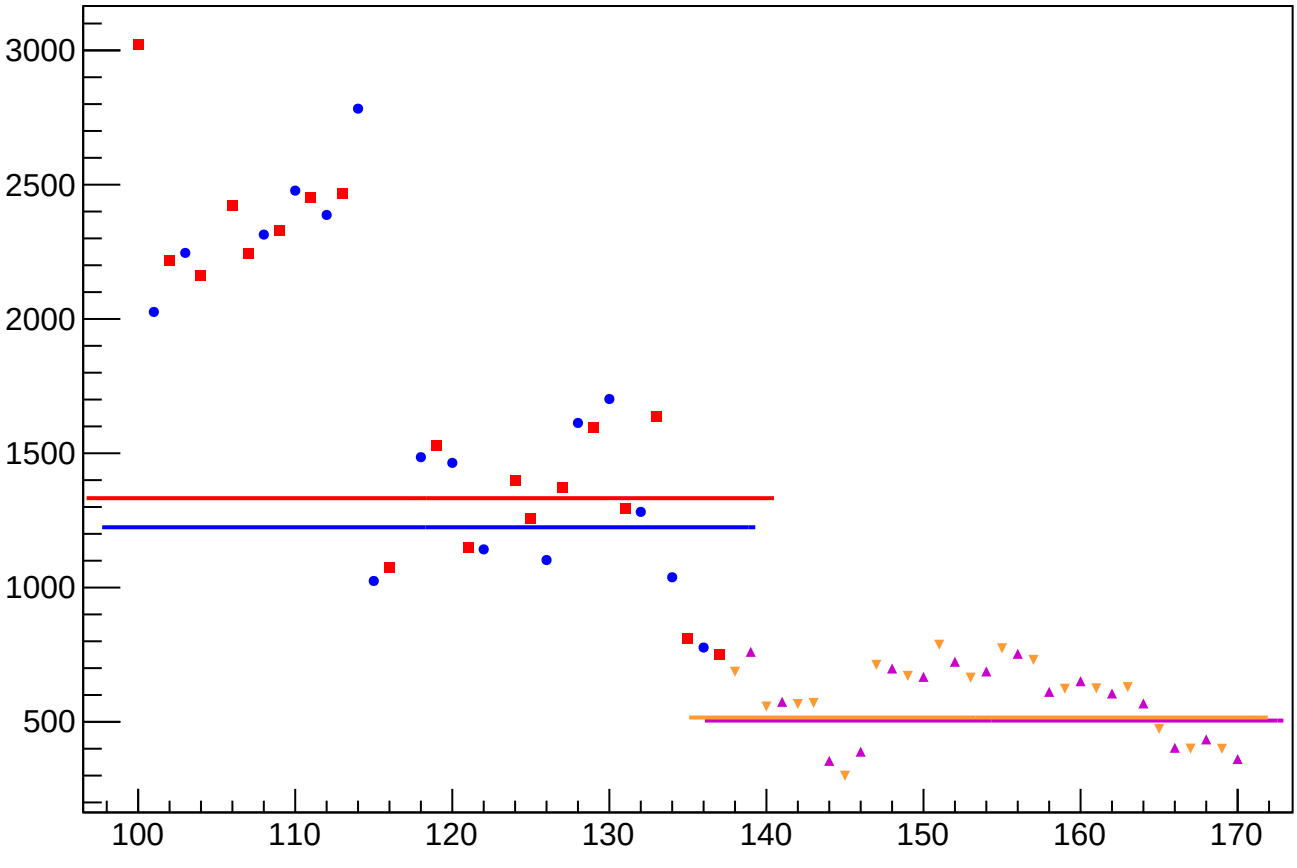
Left: -336.690+/-103.579 χ^2/NDF: 57.9/32

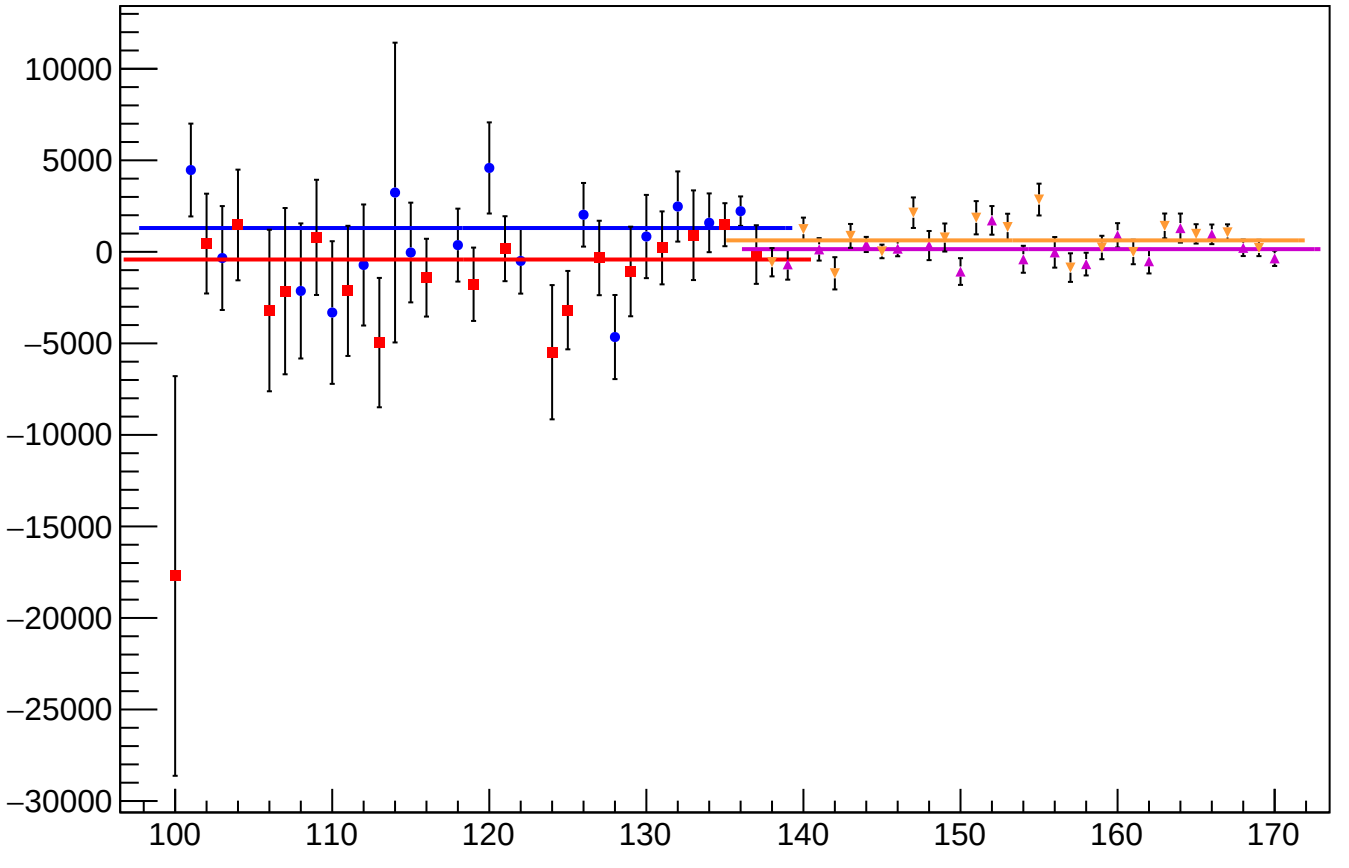
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -184.167+/-139.545 χ^2/NDF:40.9/31

Out: -510.517+/-141.933 χ^2/NDF:49.7/35

All: -344.573+/-99.507 χ^2/NDF: 93.3/67


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 516.163+/-0.104 χ²/NDF:2221816.0/16
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 504.858+/-0.103 χ²/NDF:1916732.5/15
Left: 510.437+/-0.073 χ²/NDF: 4144503.9/32
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 562.892+/-0.099 χ²/NDF:7819445.6/31
Out: 576.115+/-0.100 χ²/NDF:8720314.3/35
All: 569.392+/-0.070 χ²/NDF: 16548586.7/67



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 627.125+/-149.189 χ^2/NDF:31.6/16

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 147.962+/-146.008 χ^2/NDF:18.7/15

Left: 382.380+/-104.350 χ^2/NDF: 55.6/32

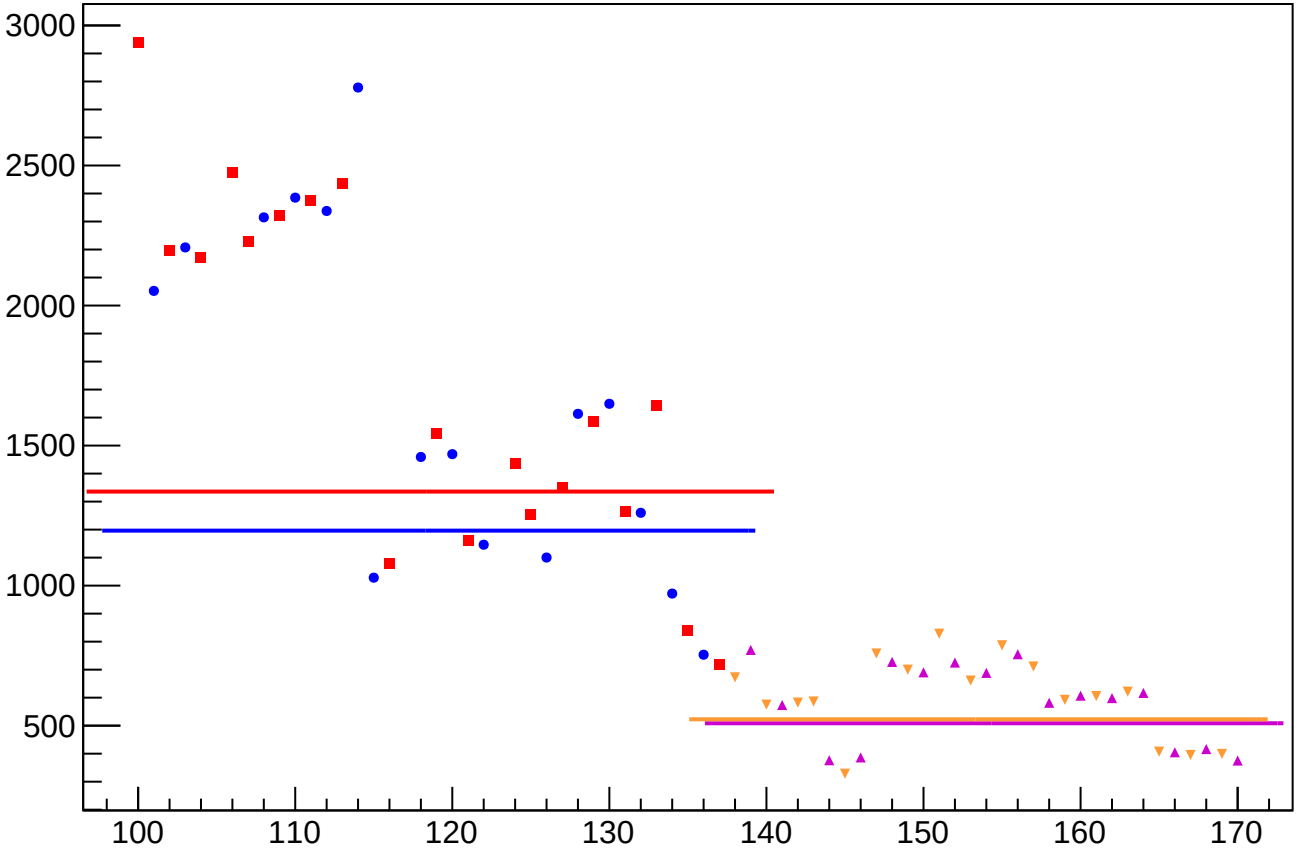
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 244.941+/-139.737 χ^2/NDF:40.4/31

Out: 548.880+/-143.497 χ^2/NDF:48.3/35

All: 392.875+/-100.112 χ^2/NDF: 91.0/67

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 522.707+/-0.105 χ^2/NDF:2045560.1/16

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 508.611+/-0.103 χ^2/NDF:1822195.4/15

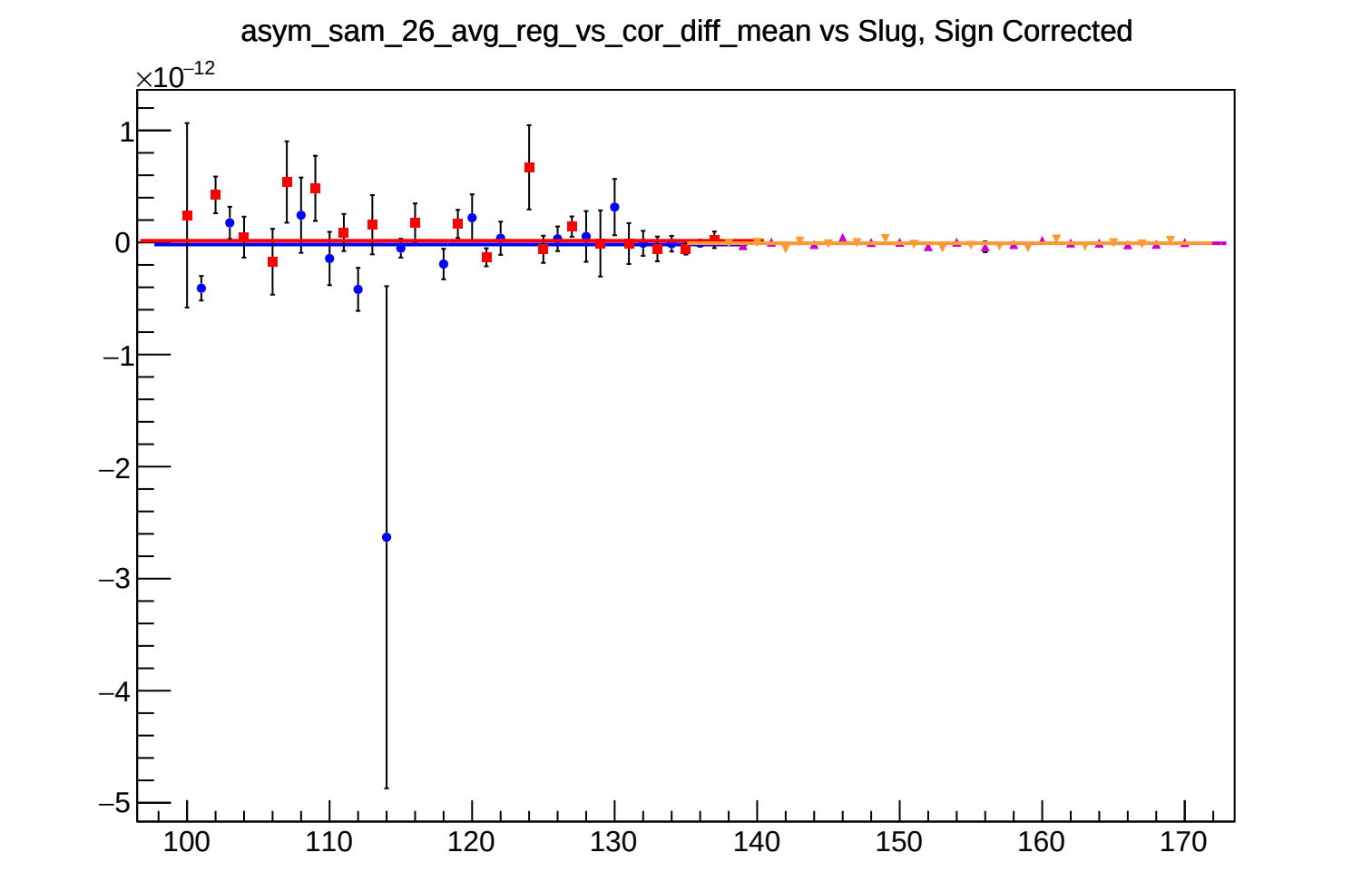
Left: 515.507+/-0.074 χ^2/NDF: 3876875.3/32

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 566.424+/-0.099 χ^2/NDF:7584061.9/31

Out: 583.565+/-0.101 χ^2/NDF:8443519.7/35

All: 574.767+/-0.071 χ^2/NDF: 16042229.2/67



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/15

Left: -0.000+/-0.000 χ^2/NDF: 30.0/32

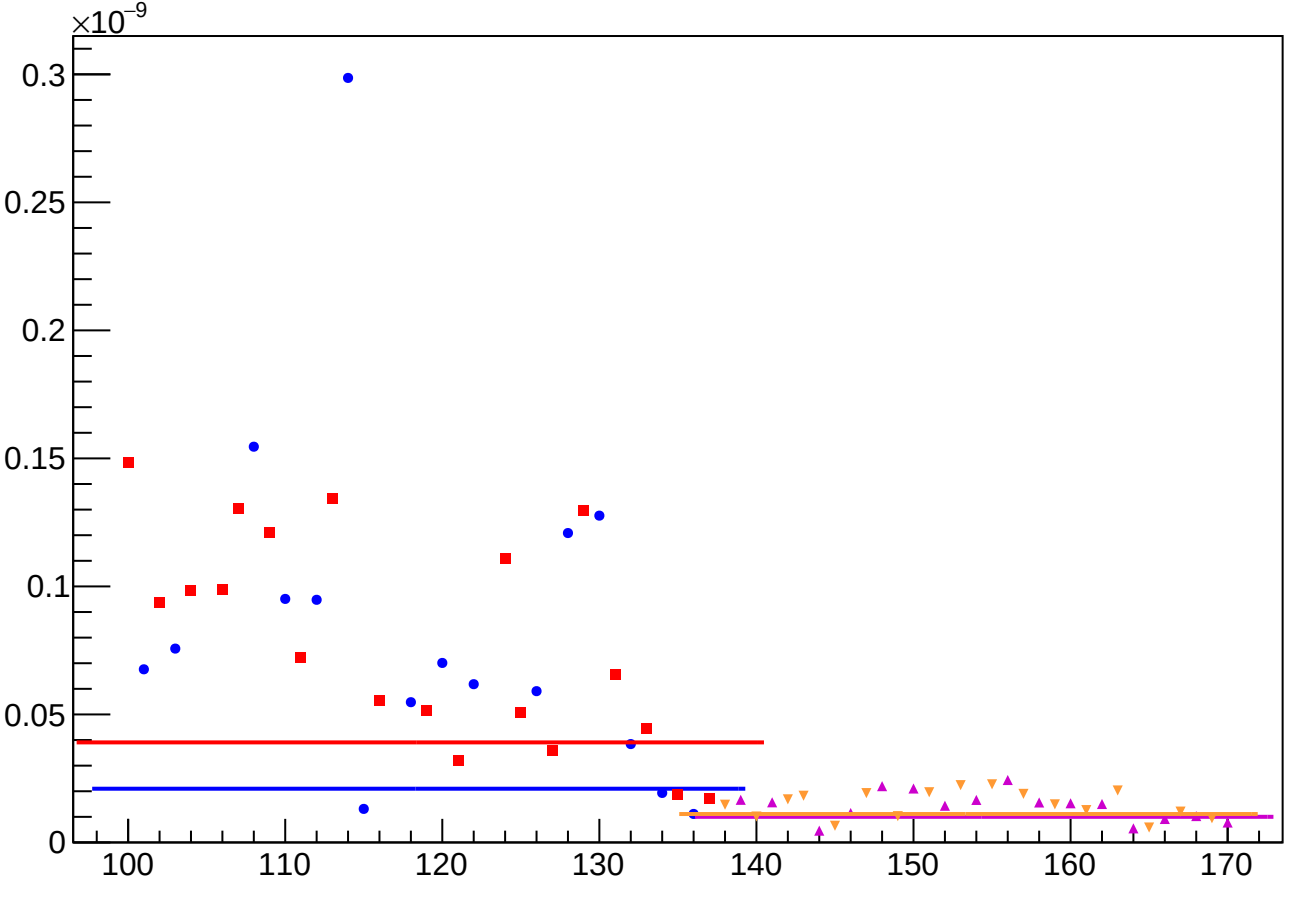
Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.6/31

Out: -0.000+/-0.000 χ^2/NDF:42.8/35

All: -0.000+/-0.000 χ^2/NDF: 83.5/67

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1826516.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2067998.7/15

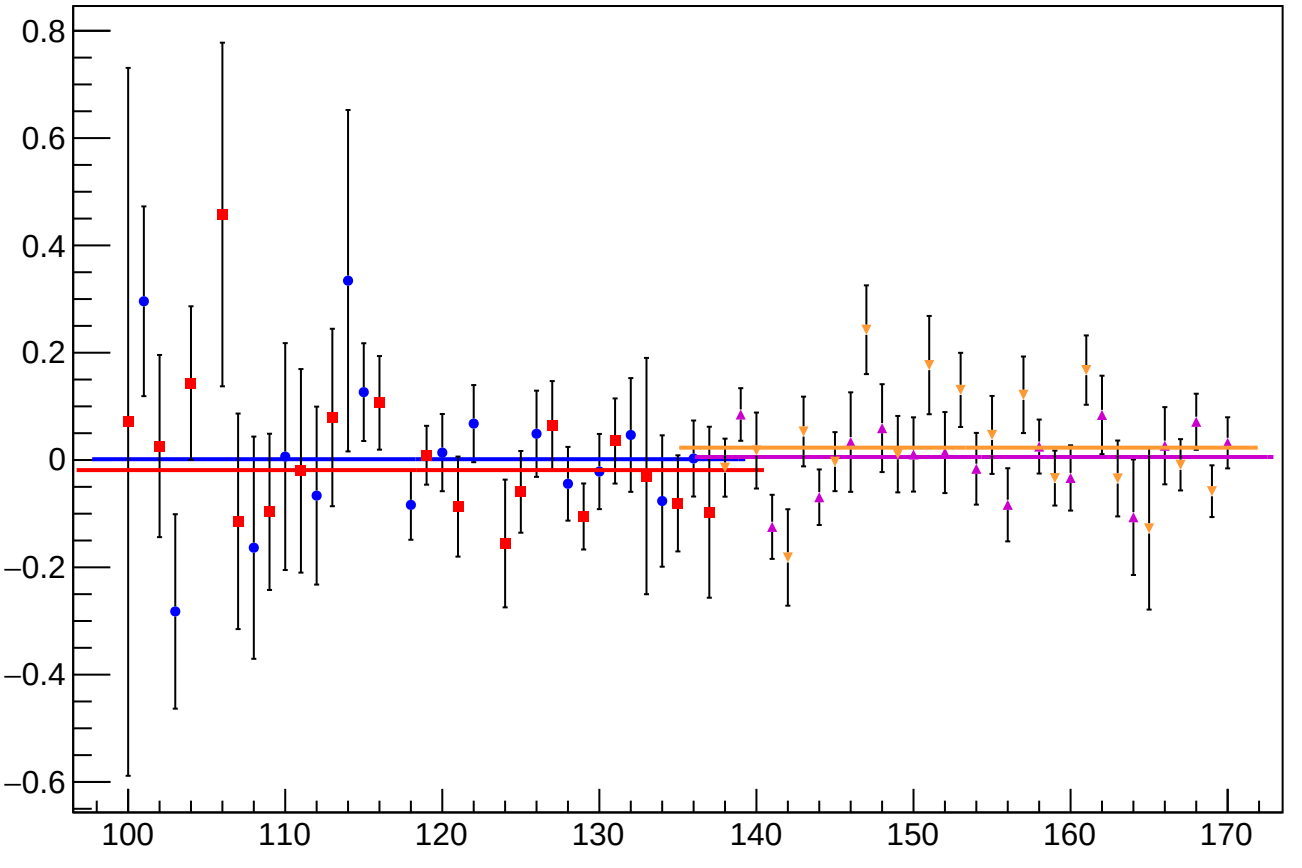
Left: 0.000+/-0.000 χ^2/NDF: 3939312.2/32

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6151377.4/31

Out: 0.000+/-0.000 χ^2/NDF:5888380.4/35

All: 0.000+/-0.000 χ^2/NDF: 12099607.4/67



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.016 χ^2/NDF:31.6/16

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.016 χ^2/NDF:16.6/15

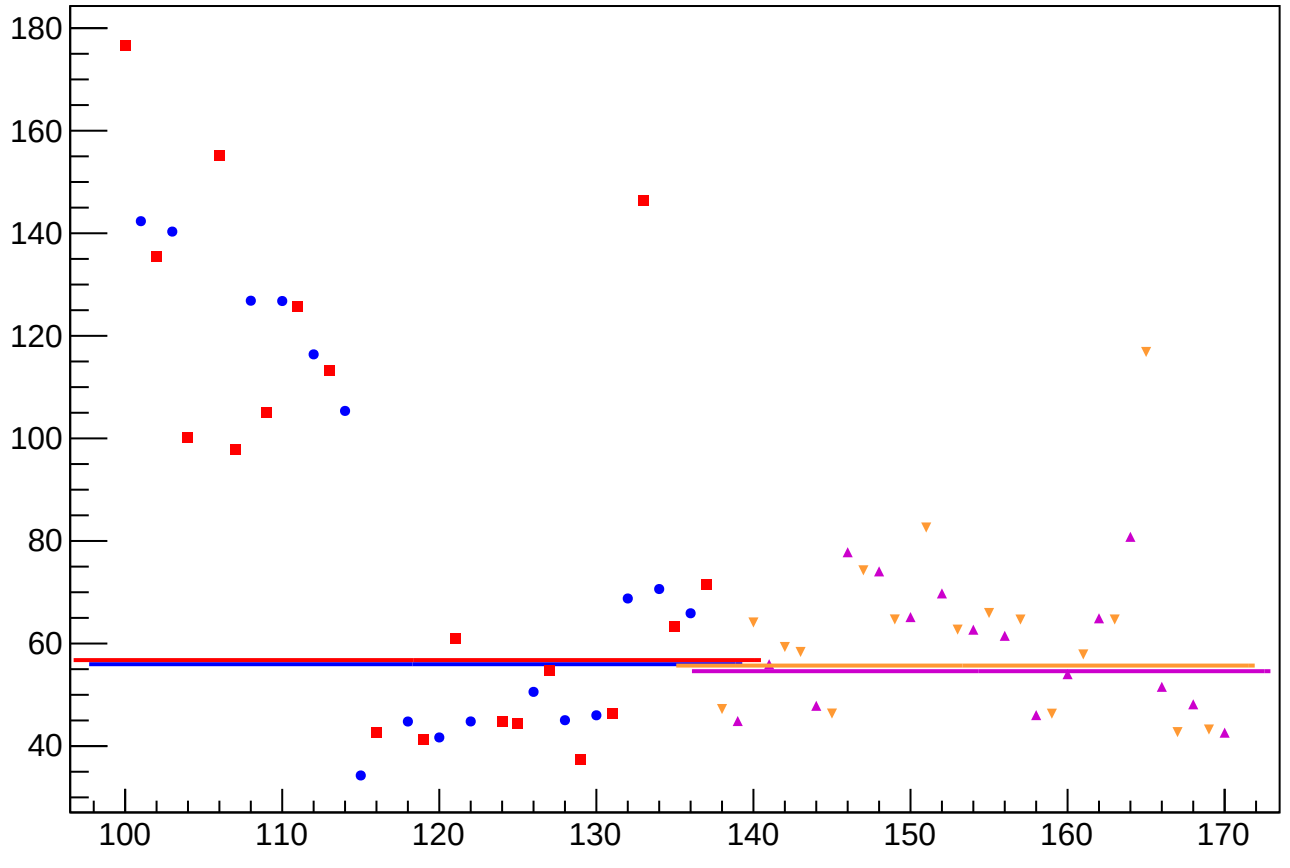
Left: 0.014+/-0.011 χ^2/NDF: 48.8/32

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/35

All: 0.007+/-0.009 χ^2/NDF: 76.7/67



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.703+/-0.011 χ^2/NDF:1248968.9/16

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

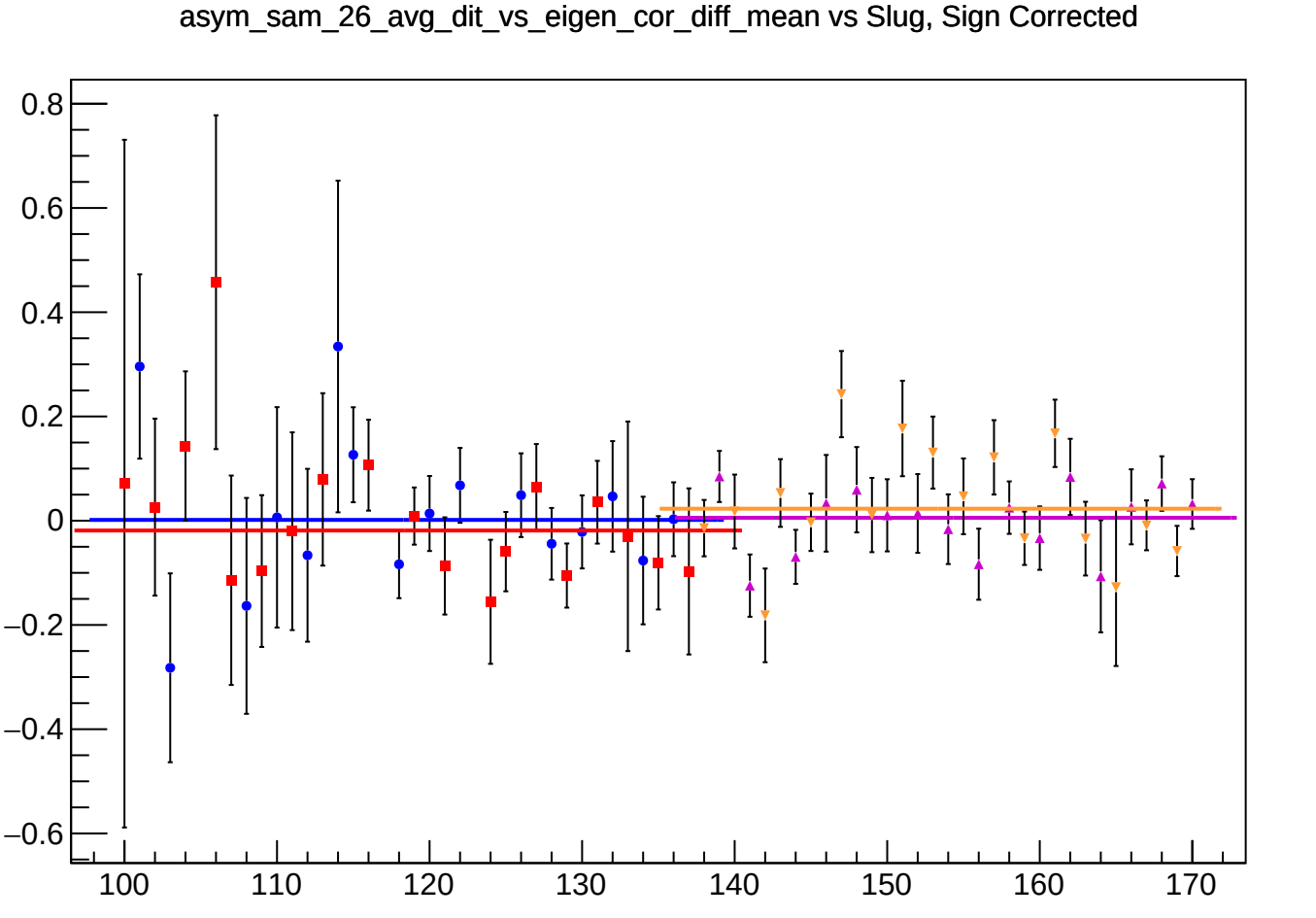
Left: 55.151+/-0.008 χ^2/NDF: 2159491.6/32

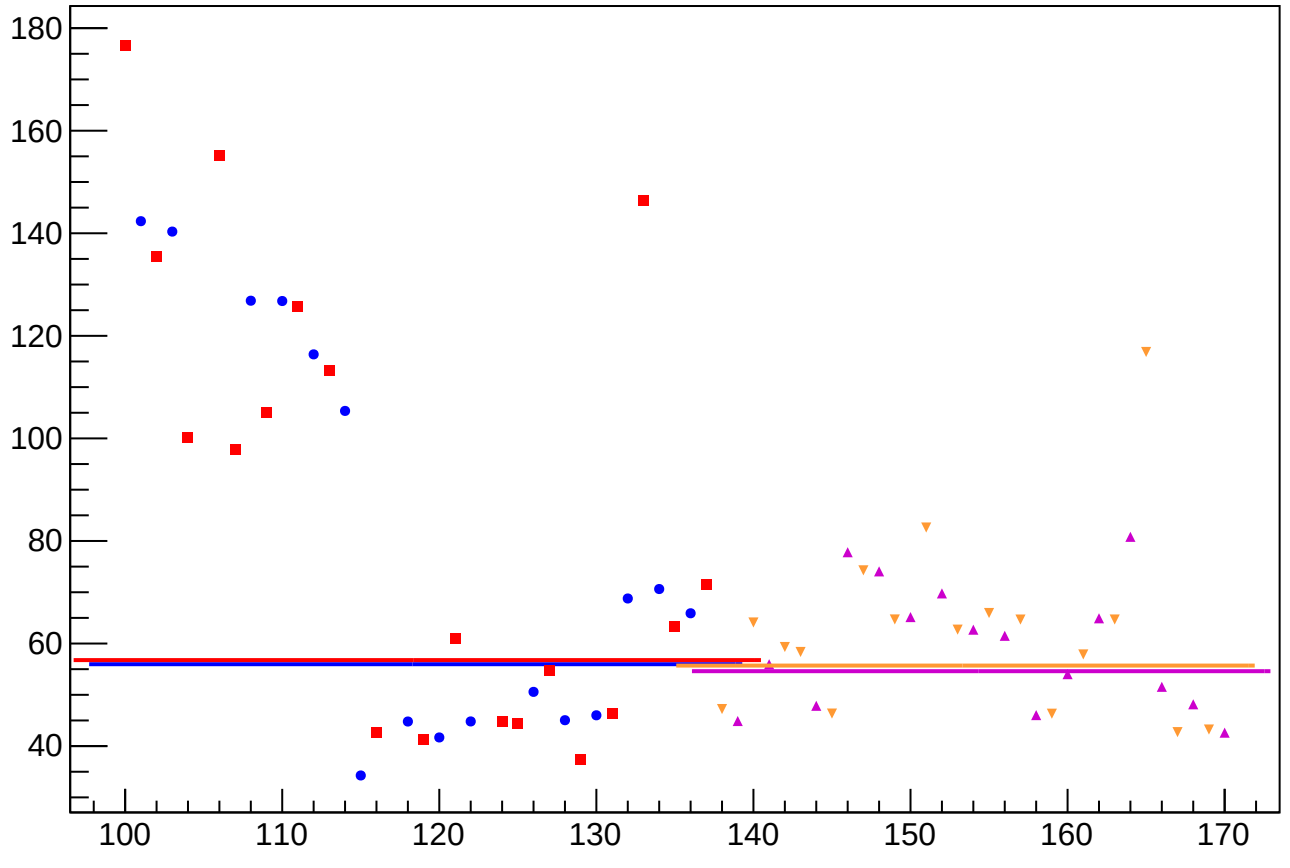
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.027+/-0.009 χ^2/NDF:3090159.5/31

Out: 56.034+/-0.009 χ^2/NDF:3805036.5/35

All: 55.527+/-0.007 χ^2/NDF: 6901146.1/67


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.023+/-0.016 χ²/NDF:31.6/16
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.006+/-0.016 χ²/NDF:16.6/15
Left: 0.014+/-0.011 χ²/NDF: 48.8/32
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: 0.004+/-0.013 χ²/NDF:29.7/31
Out: 0.010+/-0.013 χ²/NDF:46.9/35
All: 0.007+/-0.009 χ²/NDF: 76.7/67



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.703+/-0.011 χ^2/NDF:1248968.9/16

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

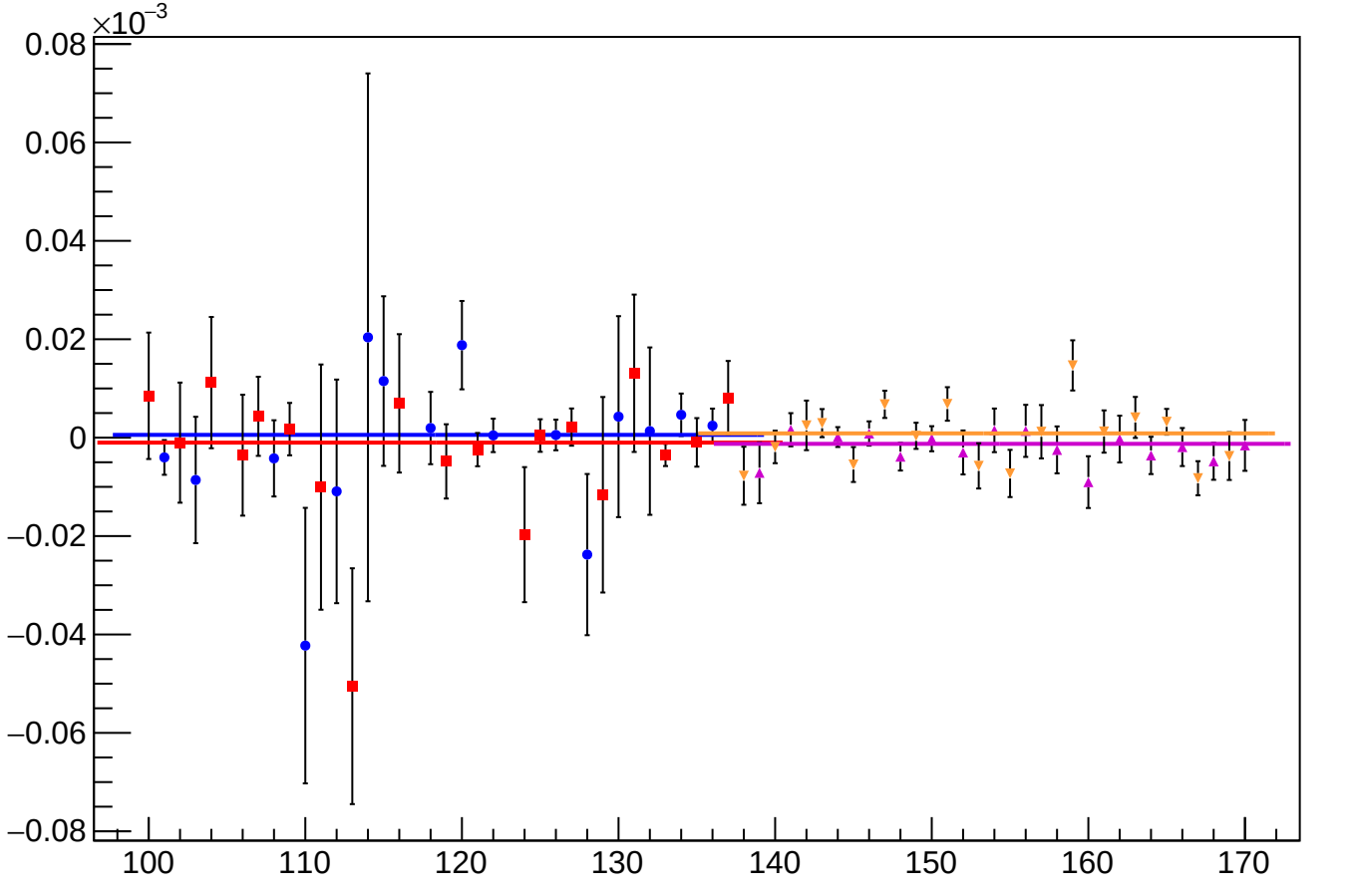
Left: 55.151+/-0.008 χ^2/NDF: 2159491.6/32

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.027+/-0.009 χ^2/NDF:3090159.5/31

Out: 56.034+/-0.009 χ^2/NDF:3805036.5/35

All: 55.527+/-0.007 χ^2/NDF: 6901146.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/15

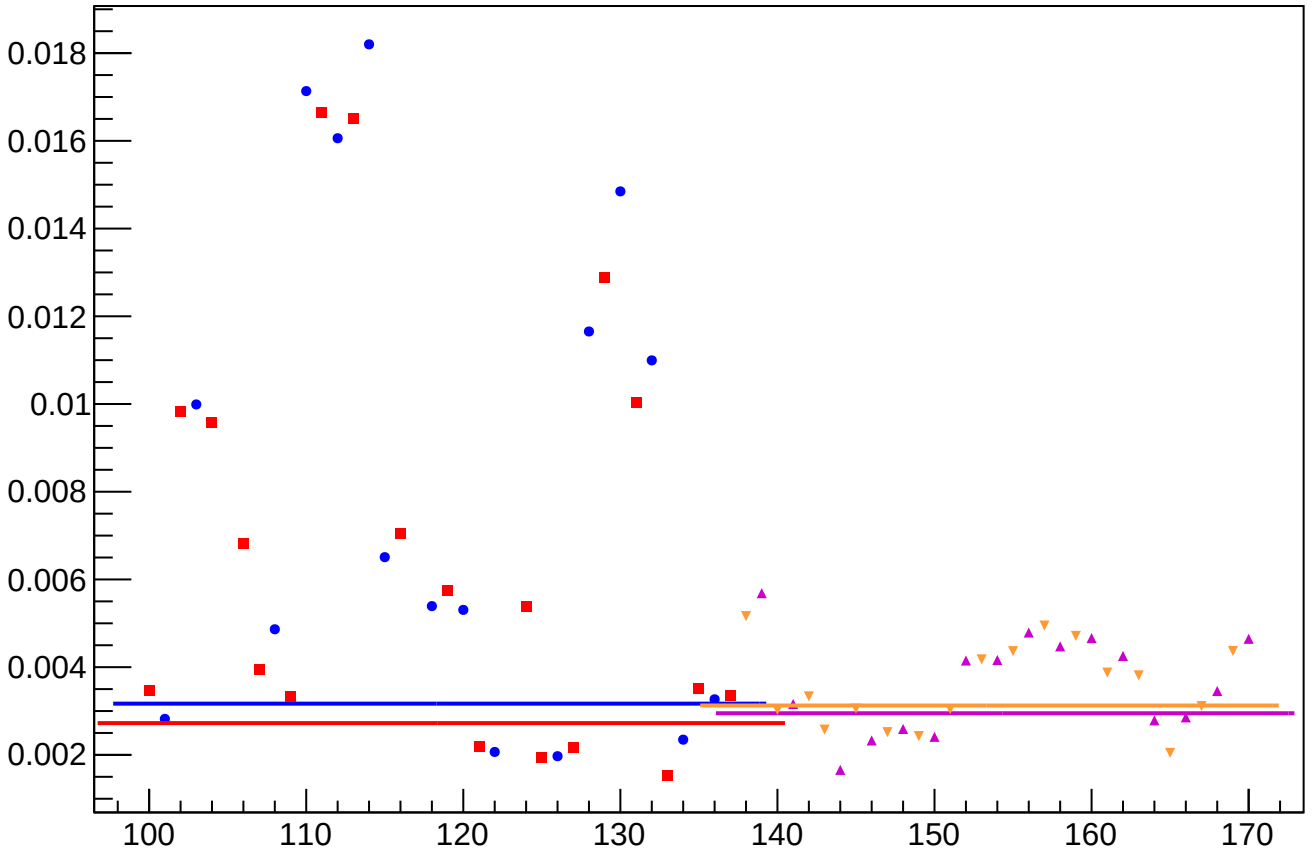
Left: -0.000+/-0.000 χ^2/NDF: 47.0/32

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:22.7/31

Out: 0.000+/-0.000 χ^2/NDF:51.1/35

All: -0.000+/-0.000 χ^2/NDF: 74.8/67



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1797941.9/16

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2827951.7/15

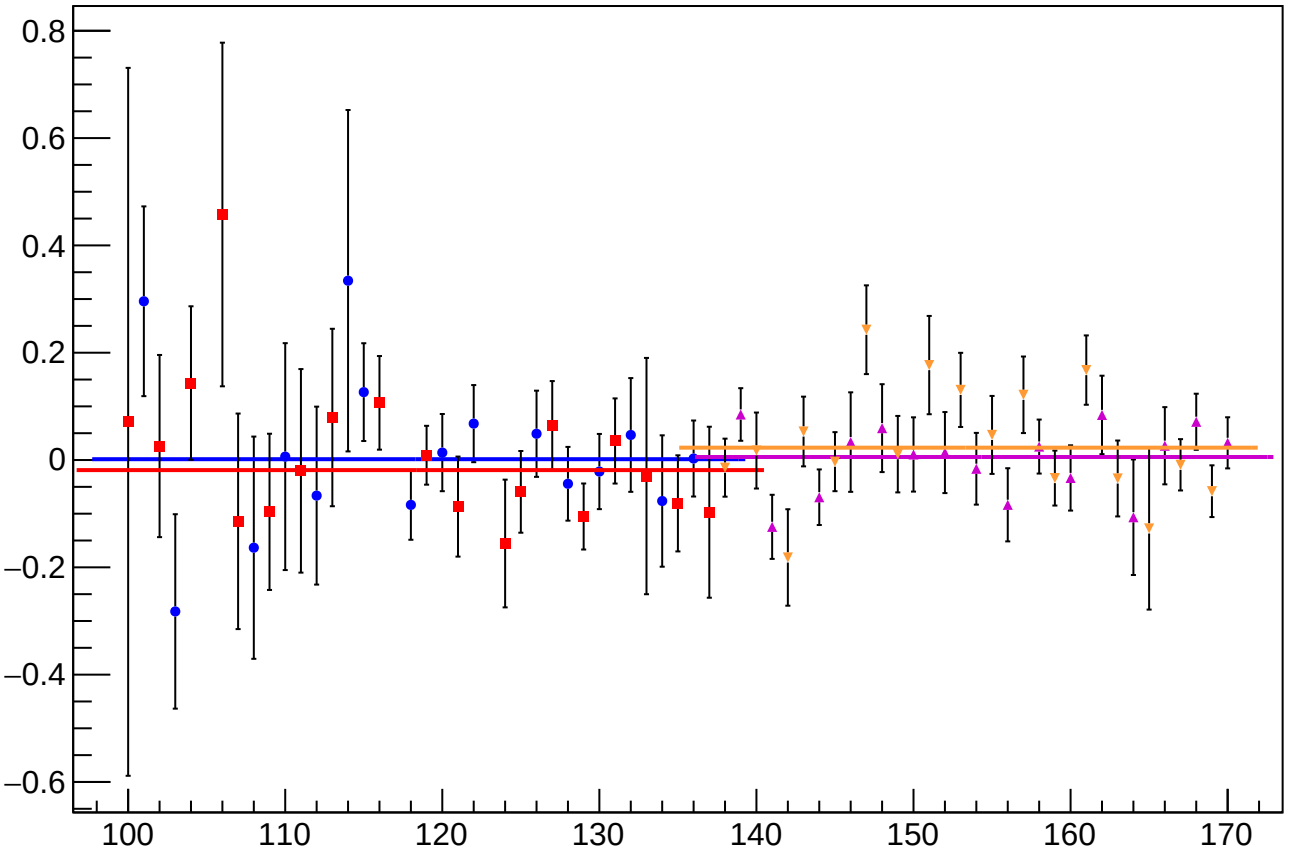
Left: 0.003+/-0.000 χ^2/NDF: 4666069.4/32

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7407097.4/31

Out: 0.003+/-0.000 χ^2/NDF:7084765.0/35

All: 0.003+/-0.000 χ^2/NDF: 14492184.3/67



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.016 χ^2/NDF:31.6/16

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.016 χ^2/NDF:16.6/15

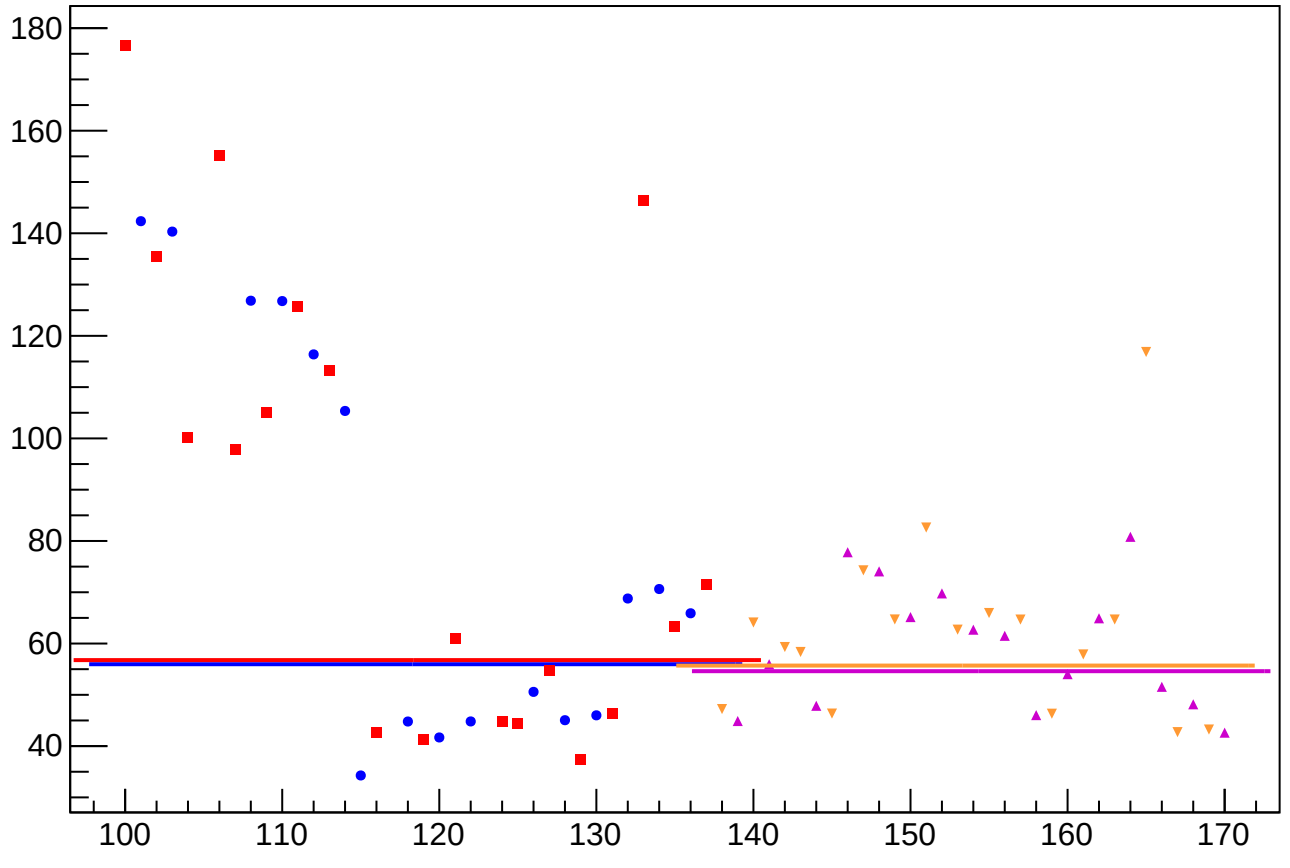
Left: 0.014+/-0.011 χ^2/NDF: 48.8/32

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/35

All: 0.007+/-0.009 χ^2/NDF: 76.7/67



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.703+/-0.011 χ^2/NDF:1248946.8/16

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.609+/-0.011 χ^2/NDF:905628.4/15

Left: 55.151+/-0.008 χ^2/NDF: 2159432.3/32

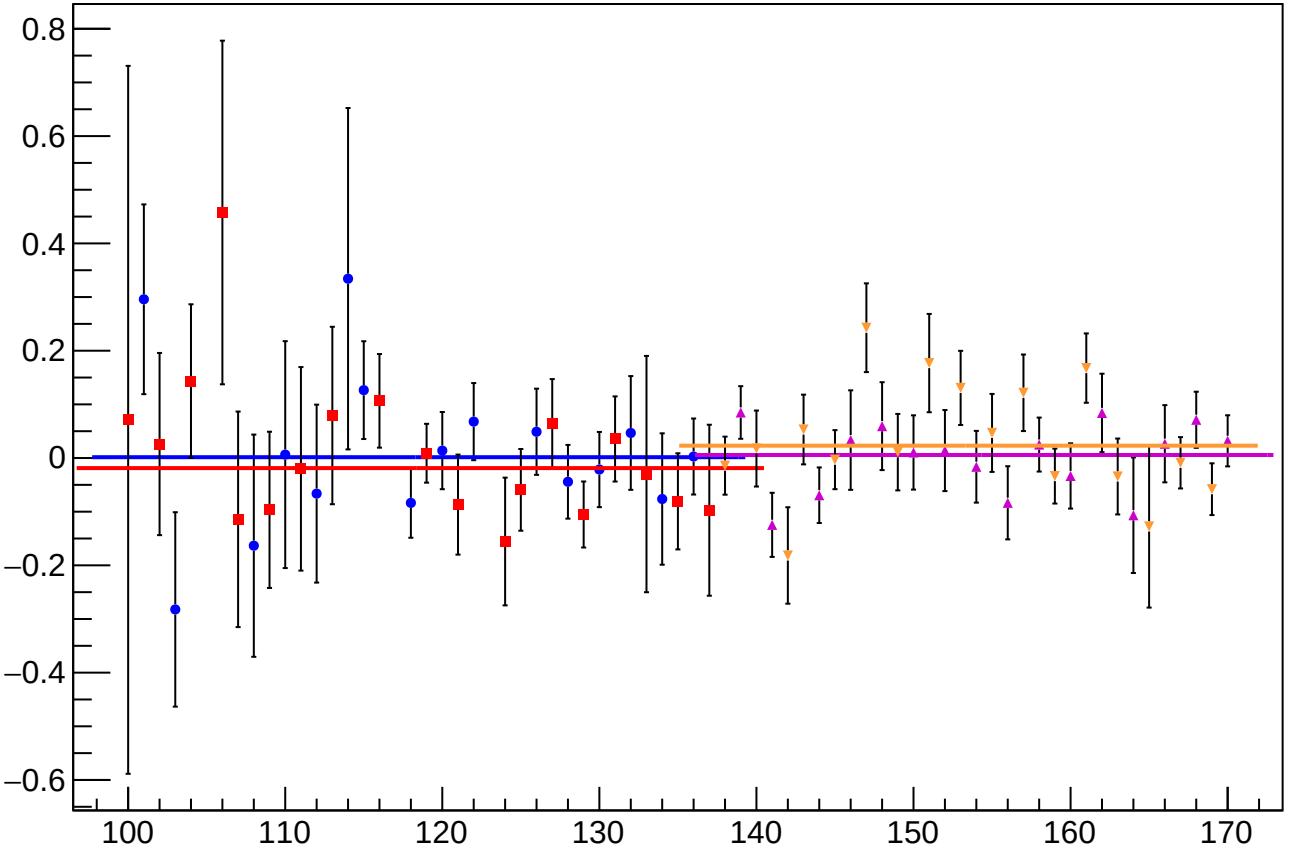
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.028+/-0.009 χ^2/NDF:3090045.2/31

Out: 56.034+/-0.009 χ^2/NDF:3804953.6/35

All: 55.527+/-0.007 χ^2/NDF: 6900946.2/67

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.016 χ^2/NDF:31.6/16

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.016 χ^2/NDF:16.6/15

Left: 0.014+/-0.011 χ^2/NDF: 48.8/32

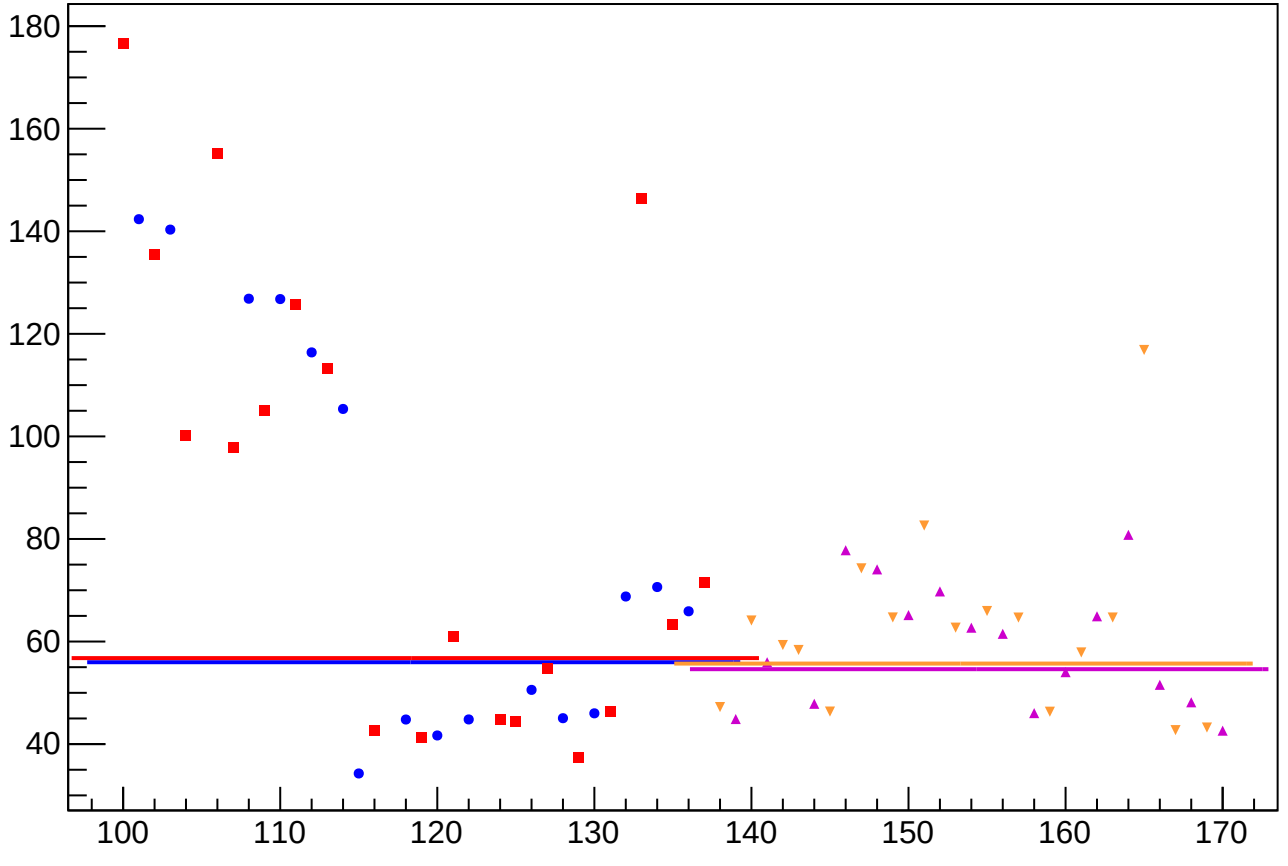
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/35

All: 0.007+/-0.009 χ^2/NDF: 76.7/67

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.703+/-0.011 χ^2/NDF:1248946.8/16

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.609+/-0.011 χ^2/NDF:905628.4/15

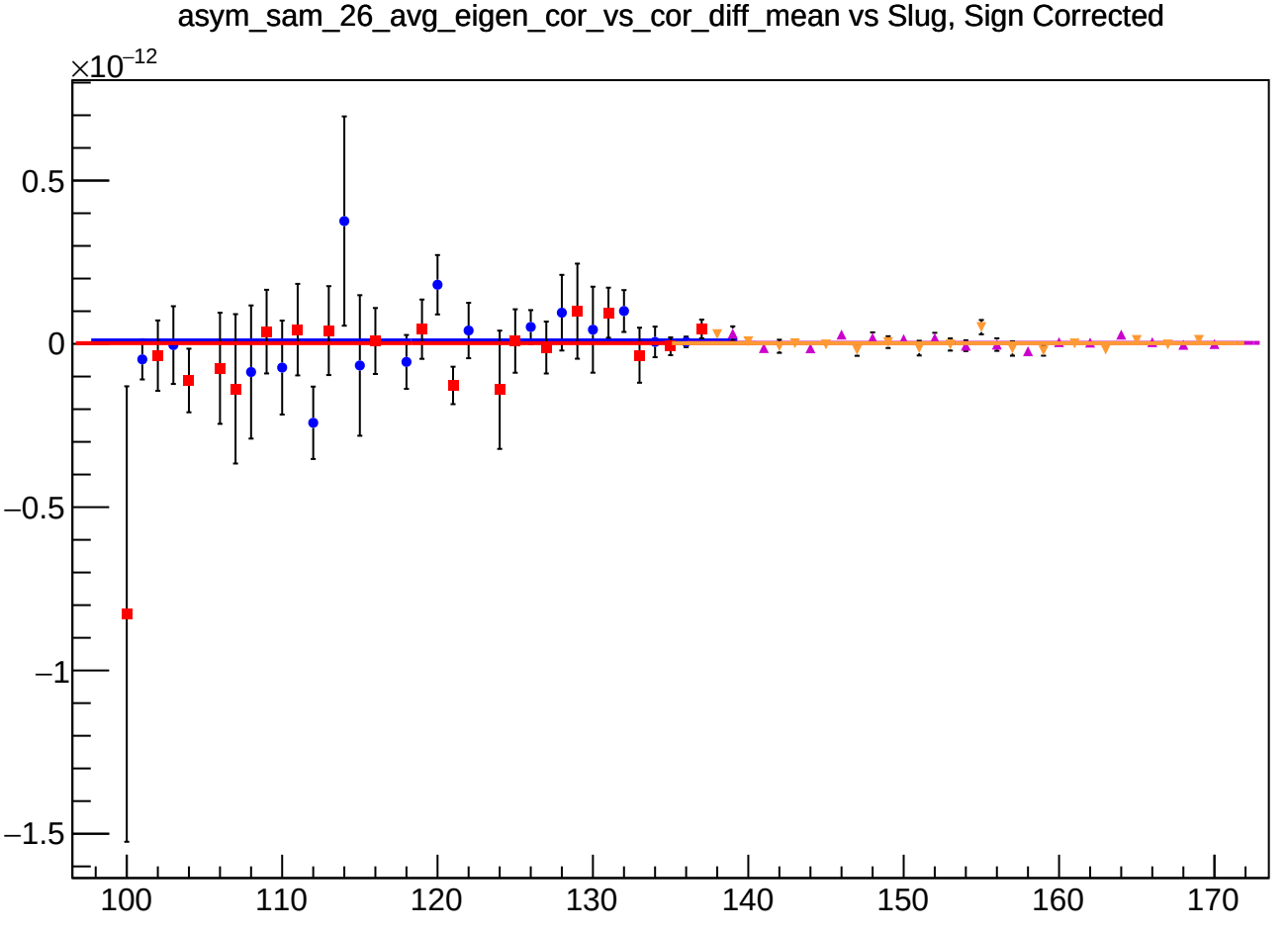
Left: 55.151+/-0.008 χ^2/NDF: 2159432.3/32

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.028+/-0.009 χ^2/NDF:3090045.2/31

Out: 56.034+/-0.009 χ^2/NDF:3804953.6/35

All: 55.527+/-0.007 χ^2/NDF: 6900946.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:28.2/15

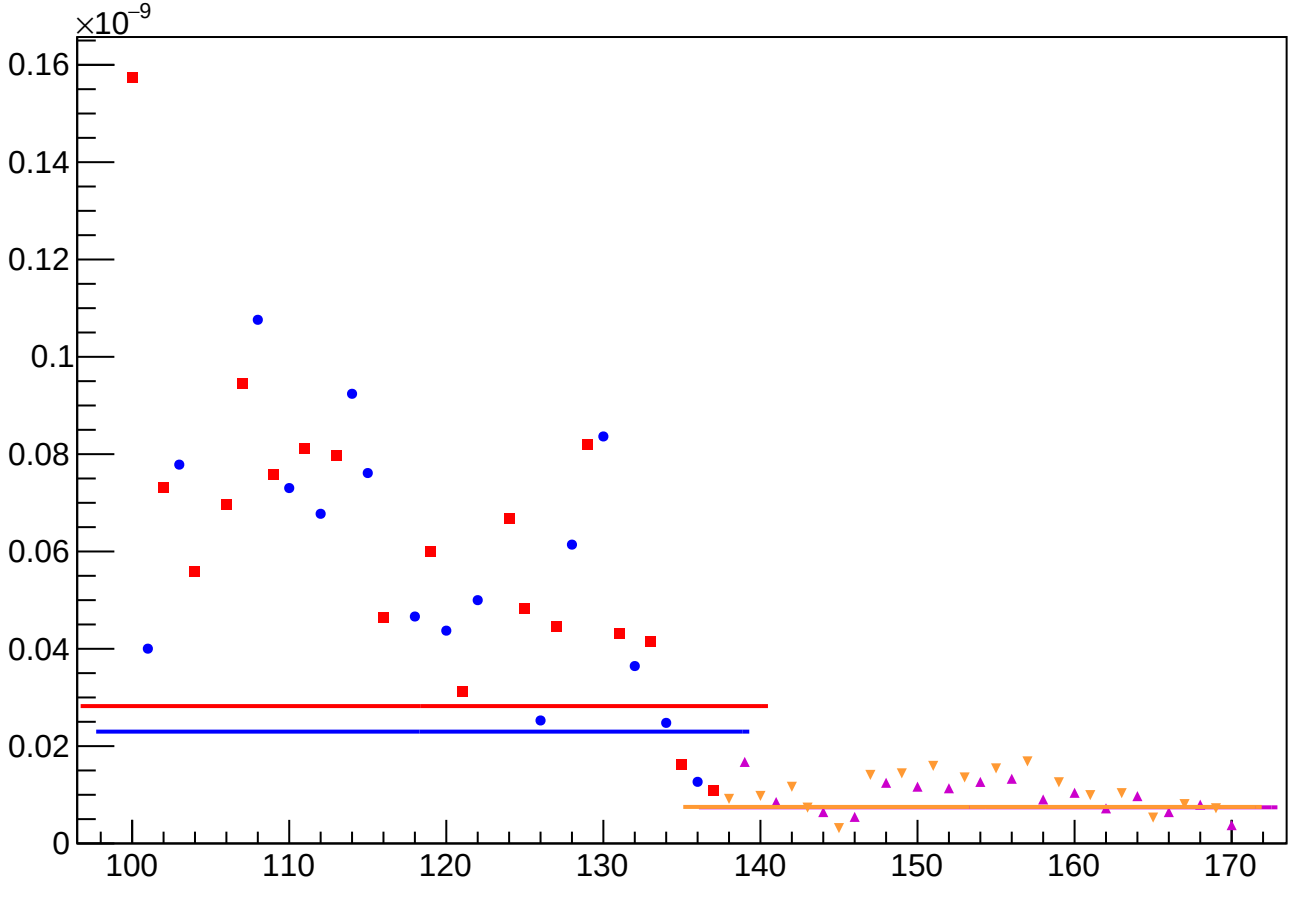
Left: 0.000+/-0.000 χ^2/NDF: 47.8/32

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:44.2/31

Out: 0.000+/-0.000 χ^2/NDF:33.7/35

All: 0.000+/-0.000 χ^2/NDF: 78.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3819860.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2350569.6/15

Left: 0.000+/-0.000 χ^2/NDF: 6171293.2/32

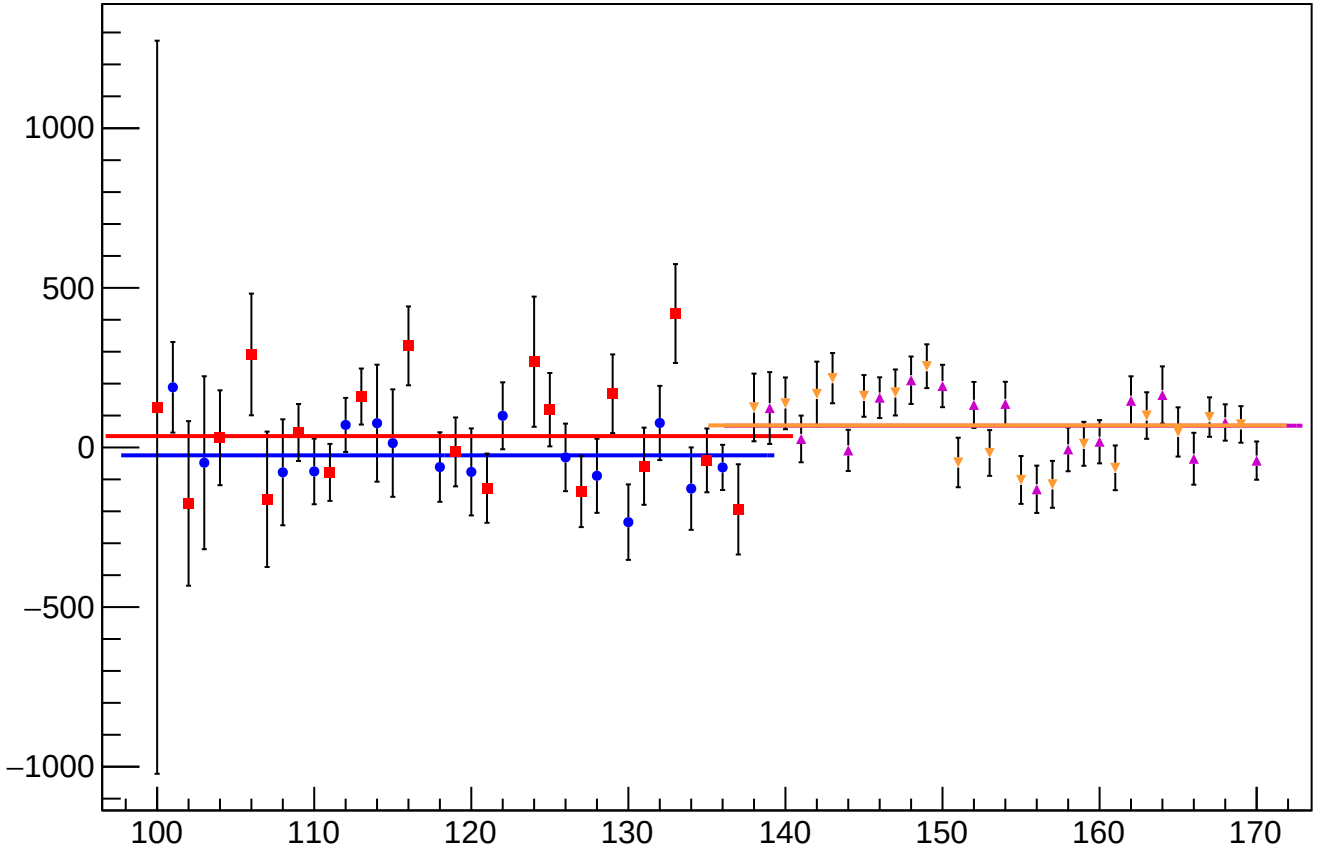
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:8839203.7/31

Out: 0.000+/-0.000 χ^2/NDF:11100652.3/35

All: 0.000+/-0.000 χ^2/NDF: 19940500.2/67

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 69.171+/-17.670 χ^2/NDF:36.8/16

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 68.151+/-17.655 χ^2/NDF:29.0/15

Left: 68.661+/-12.489 χ^2/NDF: 65.8/32

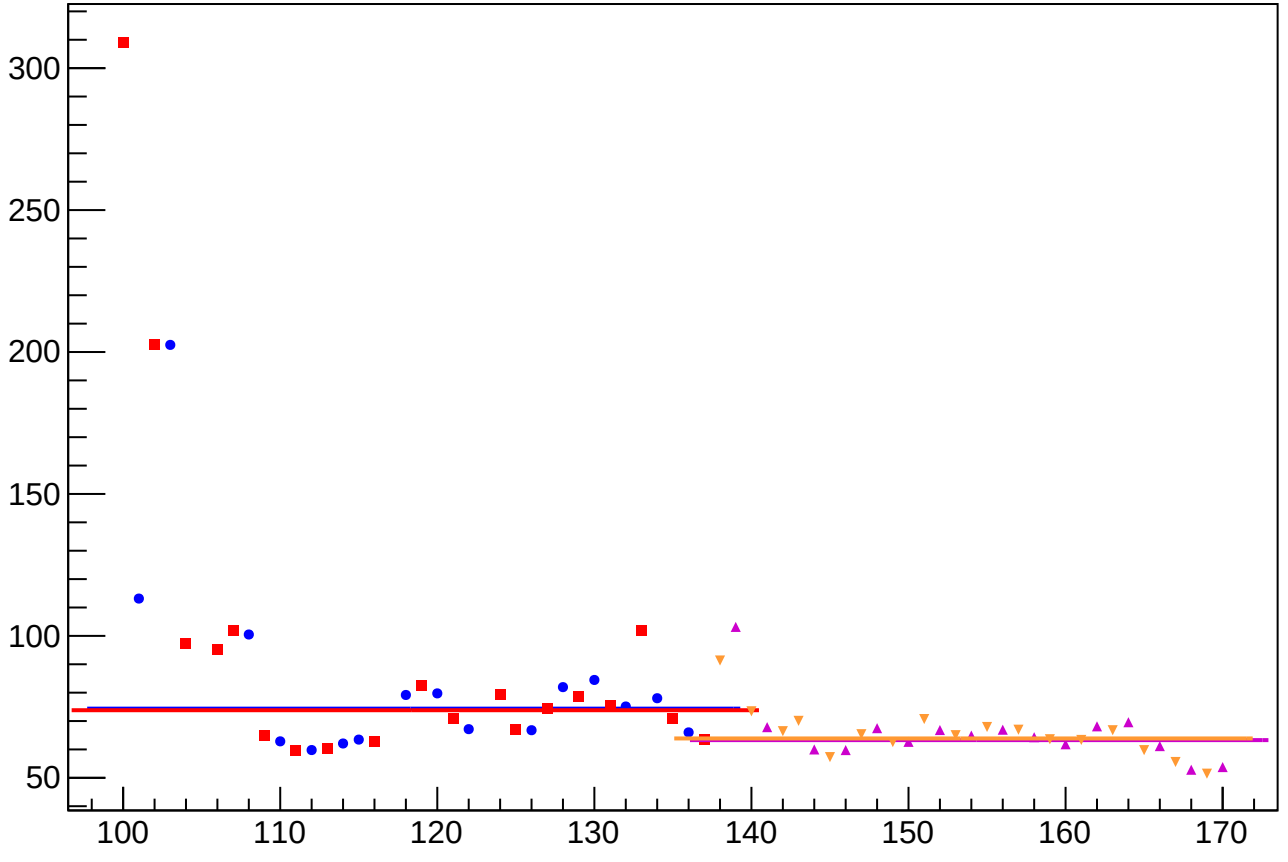
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 42.951+/-15.068 χ^2/NDF:47.5/31

Out: 59.823+/-15.011 χ^2/NDF:67.9/35

All: 51.419+/-10.635 χ^2/NDF: 116.1/67

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 63.870+/-0.012 χ^2/NDF:361798.8/16

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

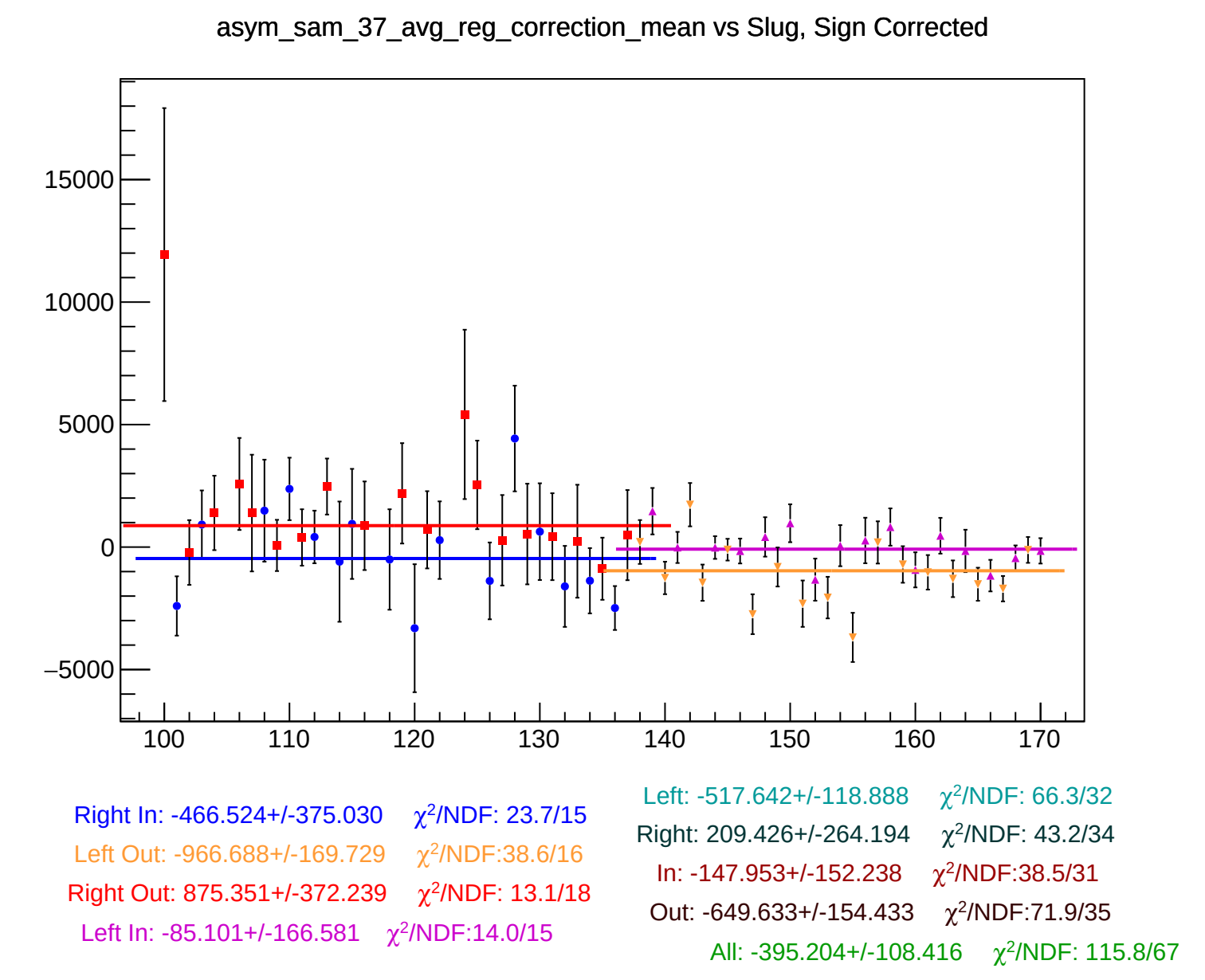
Left: 63.576+/-0.009 χ^2/NDF: 788732.0/32

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

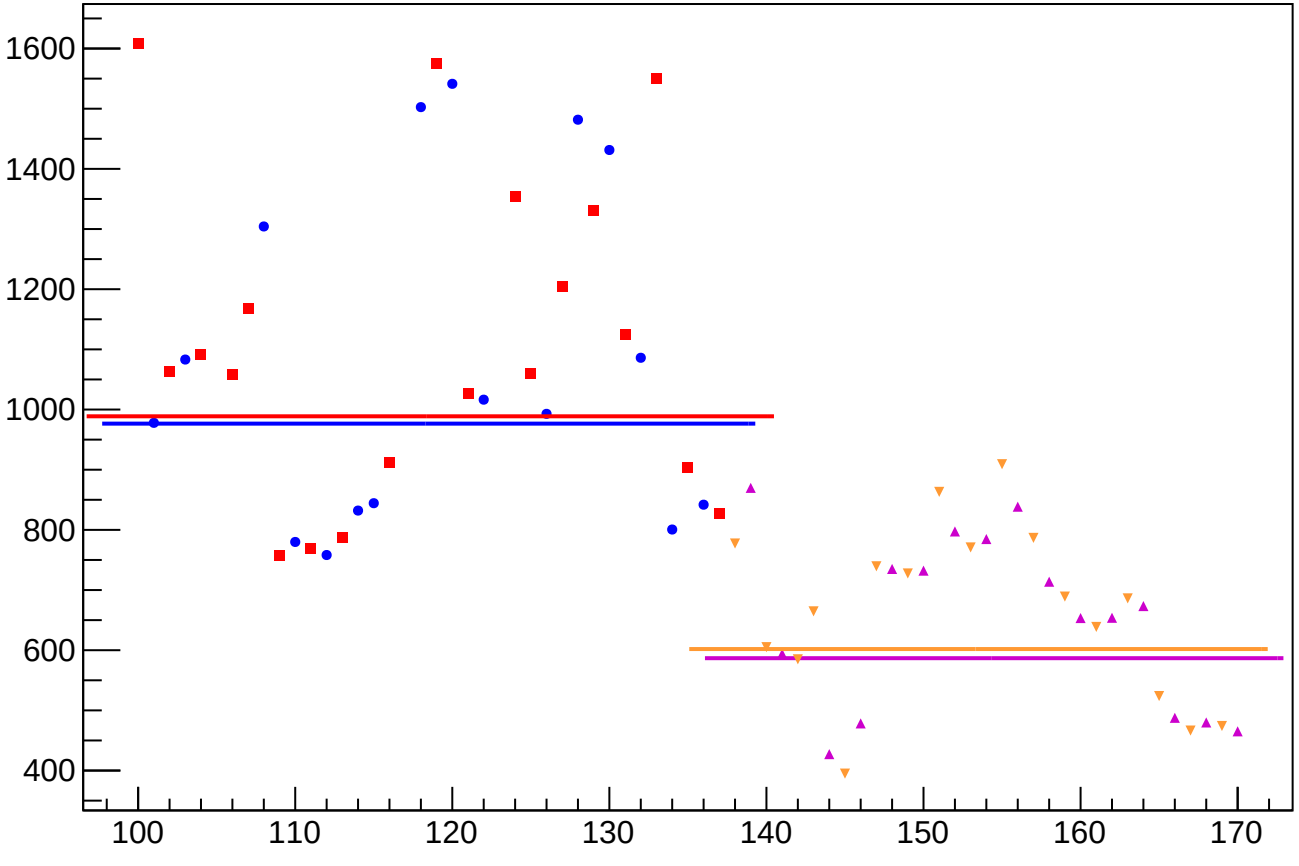
In: 66.293+/-0.011 χ^2/NDF:1467628.6/31

Out: 66.638+/-0.011 χ^2/NDF:1470041.4/35

All: 66.466+/-0.008 χ^2/NDF: 2938196.6/67


asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -466.524+/-375.030 χ²/NDF: 23.7/15
Left Out: -966.688+/-169.729 χ²/NDF:38.6/16
Right Out: 875.351+/-372.239 χ²/NDF: 13.1/18
Left In: -85.101+/-166.581 χ²/NDF:14.0/15
Left: -517.642+/-118.888 χ²/NDF: 66.3/32
Right: 209.426+/-264.194 χ²/NDF: 43.2/34
In: -147.953+/-152.238 χ²/NDF:38.5/31
Out: -649.633+/-154.433 χ²/NDF:71.9/35
All: -395.204+/-108.416 χ²/NDF: 115.8/67

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: 601.942+/-0.120 χ^2/NDF:1482675.5/16

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 586.743+/-0.118 χ^2/NDF:1377112.5/15

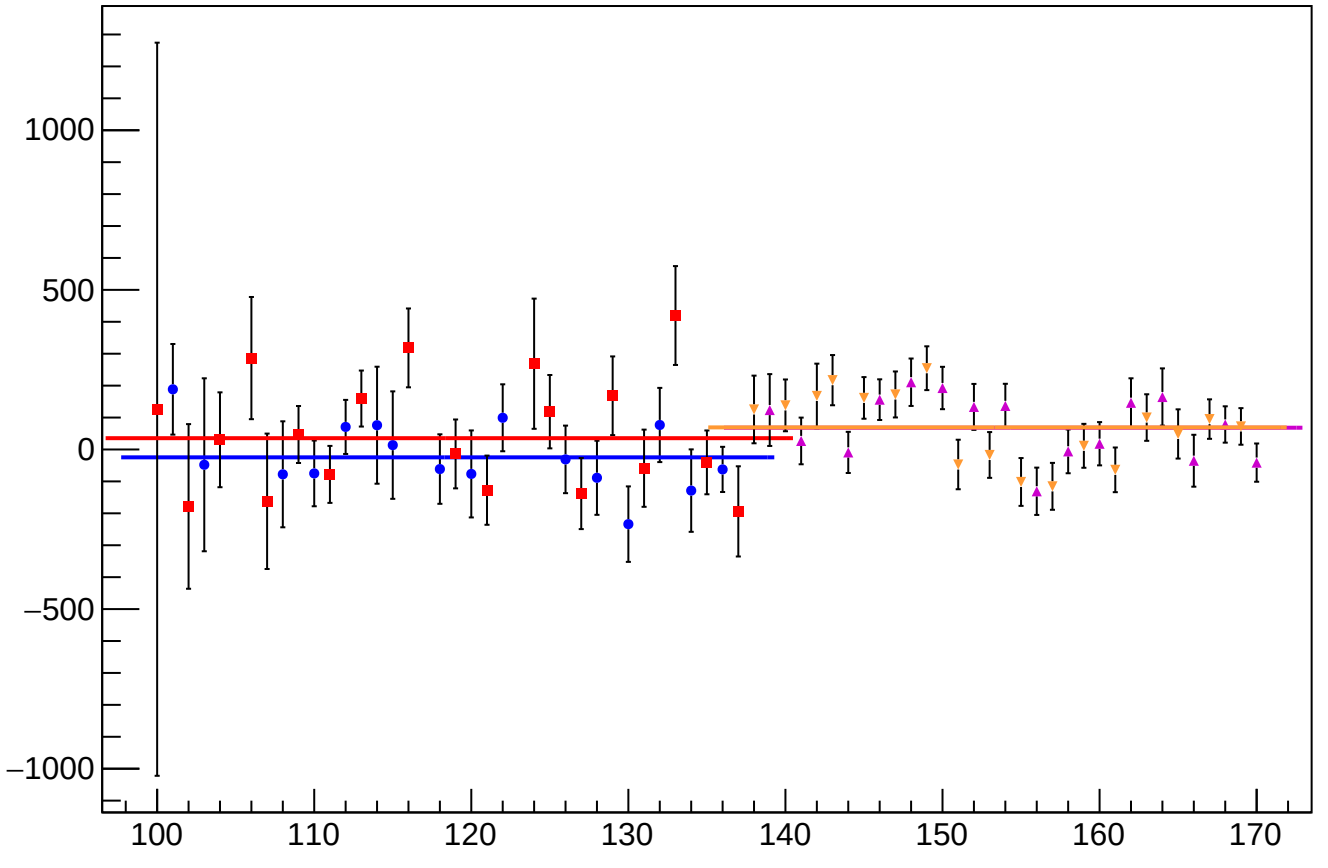
Left: 594.200+/-0.084 χ^2/NDF: 2867956.4/32

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 650.983+/-0.108 χ^2/NDF:3918676.9/31

Out: 668.522+/-0.109 χ^2/NDF:3986407.0/35

All: 659.627+/-0.077 χ^2/NDF: 7918167.3/67



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 69.176+/-17.670 χ^2/NDF:36.8/16

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 68.150+/-17.655 χ^2/NDF:29.0/15

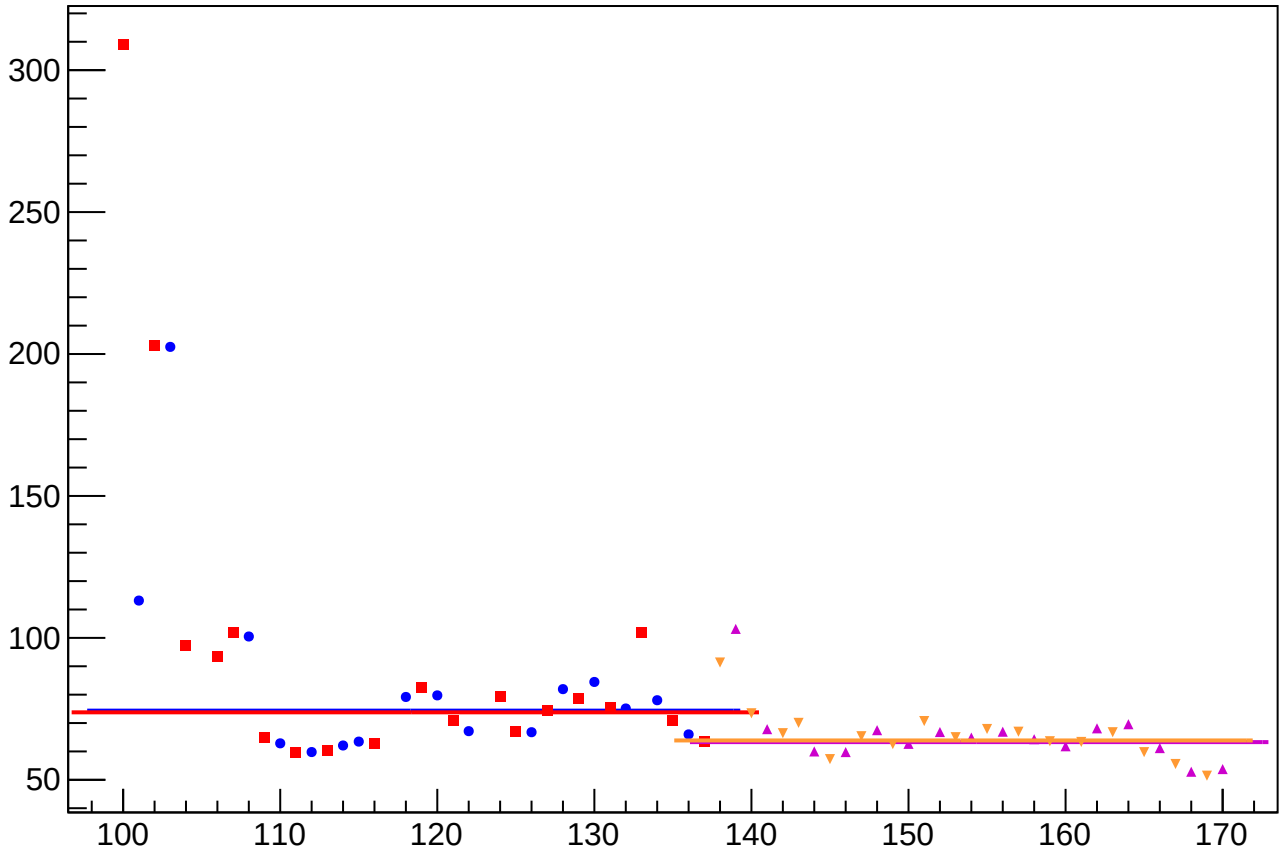
Left: 68.662+/-12.489 χ^2/NDF: 65.8/32

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.948+/-15.068 χ^2/NDF:47.5/31

Out: 59.772+/-15.012 χ^2/NDF:67.9/35

All: 51.391+/-10.635 χ^2/NDF: 116.0/67



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 63.870+/-0.012 χ^2/NDF:361798.8/16

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

Left: 63.576+/-0.009 χ^2/NDF: 788731.9/32

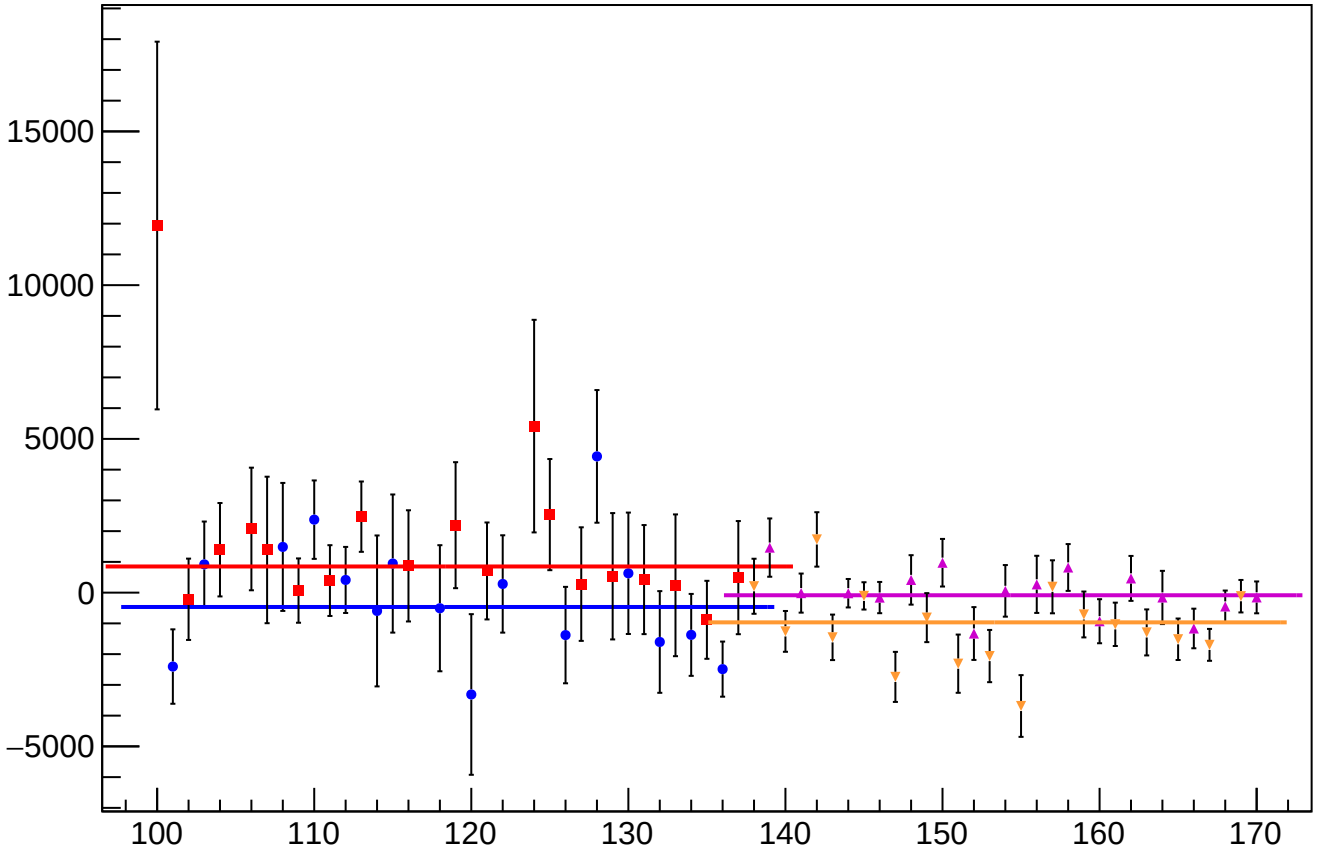
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 66.293+/-0.011 χ^2/NDF:1467630.5/31

Out: 66.626+/-0.011 χ^2/NDF:1464749.6/35

All: 66.460+/-0.008 χ^2/NDF: 2932870.5/67

asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -966.682+/-169.729 χ^2/NDF:38.6/16

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -85.101+/-166.581 χ^2/NDF:14.0/15

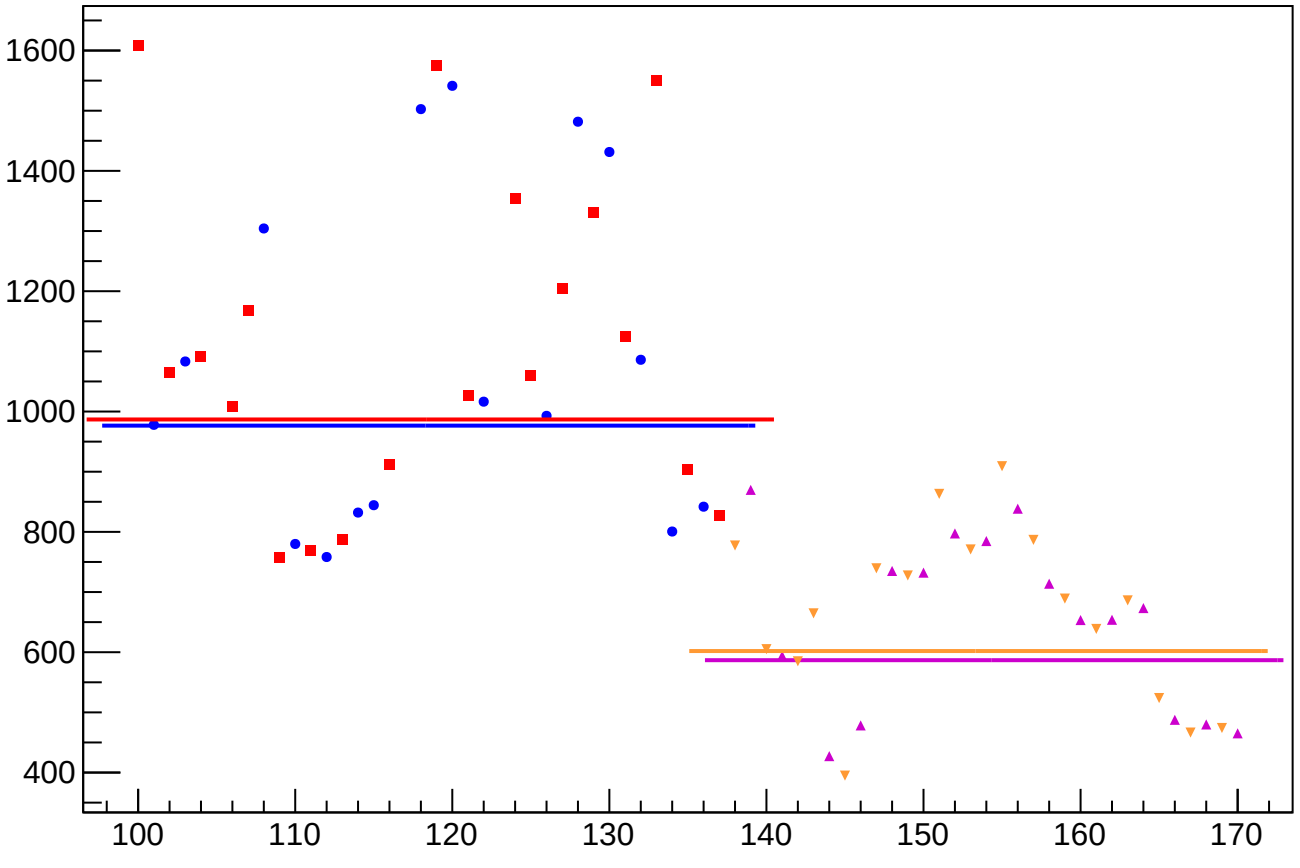
Left: -517.640+/-118.888 χ^2/NDF: 66.3/32

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.950+/-152.239 χ^2/NDF:38.5/31

Out: -655.046+/-154.493 χ^2/NDF:70.8/35

All: -397.771+/-108.437 χ^2/NDF: 114.8/67



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 601.942+/-0.120 χ^2/NDF:1482677.0/16

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 586.743+/-0.118 χ^2/NDF:1377112.9/15

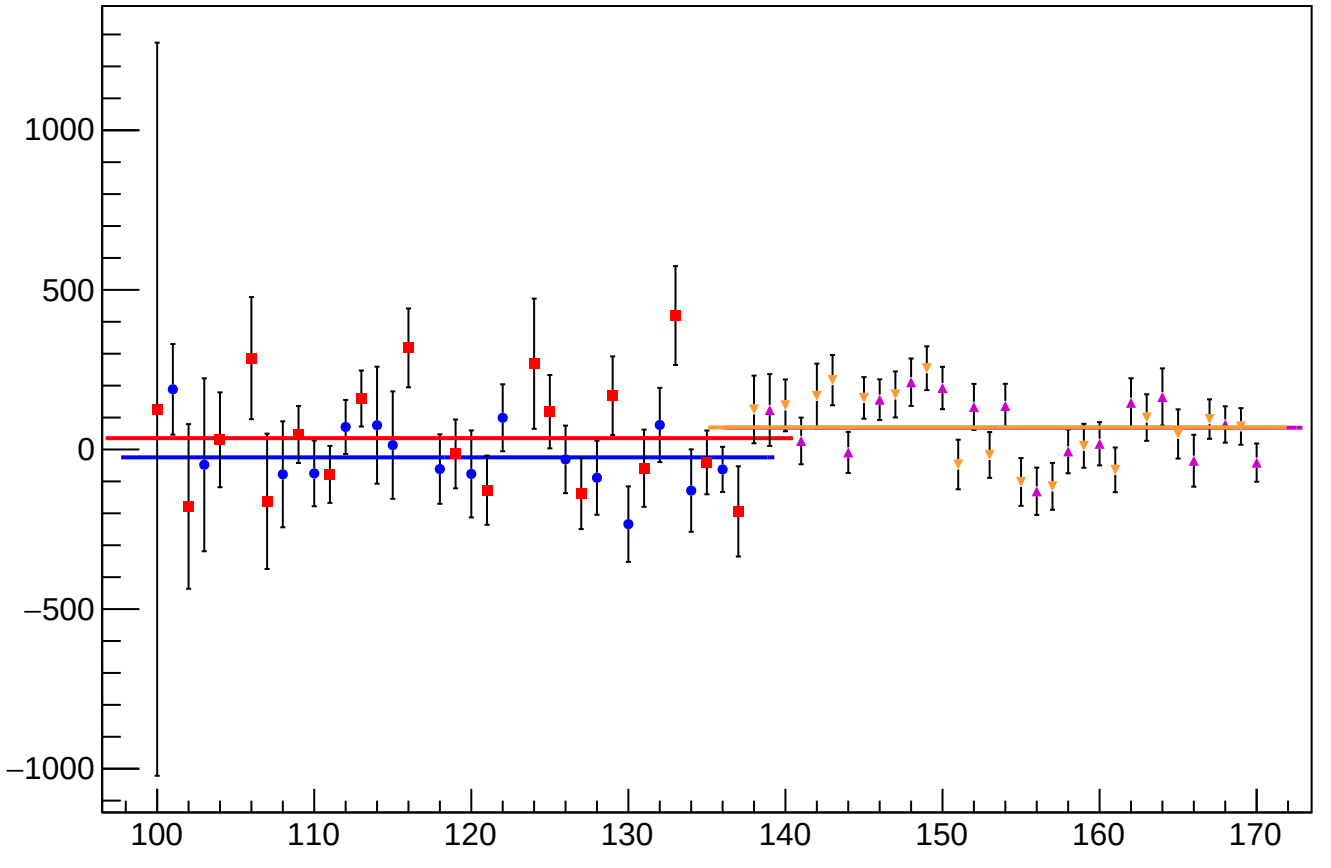
Left: 594.200+/-0.084 χ^2/NDF: 2867958.1/32

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 650.983+/-0.108 χ^2/NDF:3918734.5/31

Out: 667.937+/-0.109 χ^2/NDF:3959434.3/35

All: 659.335+/-0.077 χ^2/NDF: 7890388.9/67



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 69.176+/-17.670 χ^2/NDF:36.8/16

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 68.150+/-17.655 χ^2/NDF:29.0/15

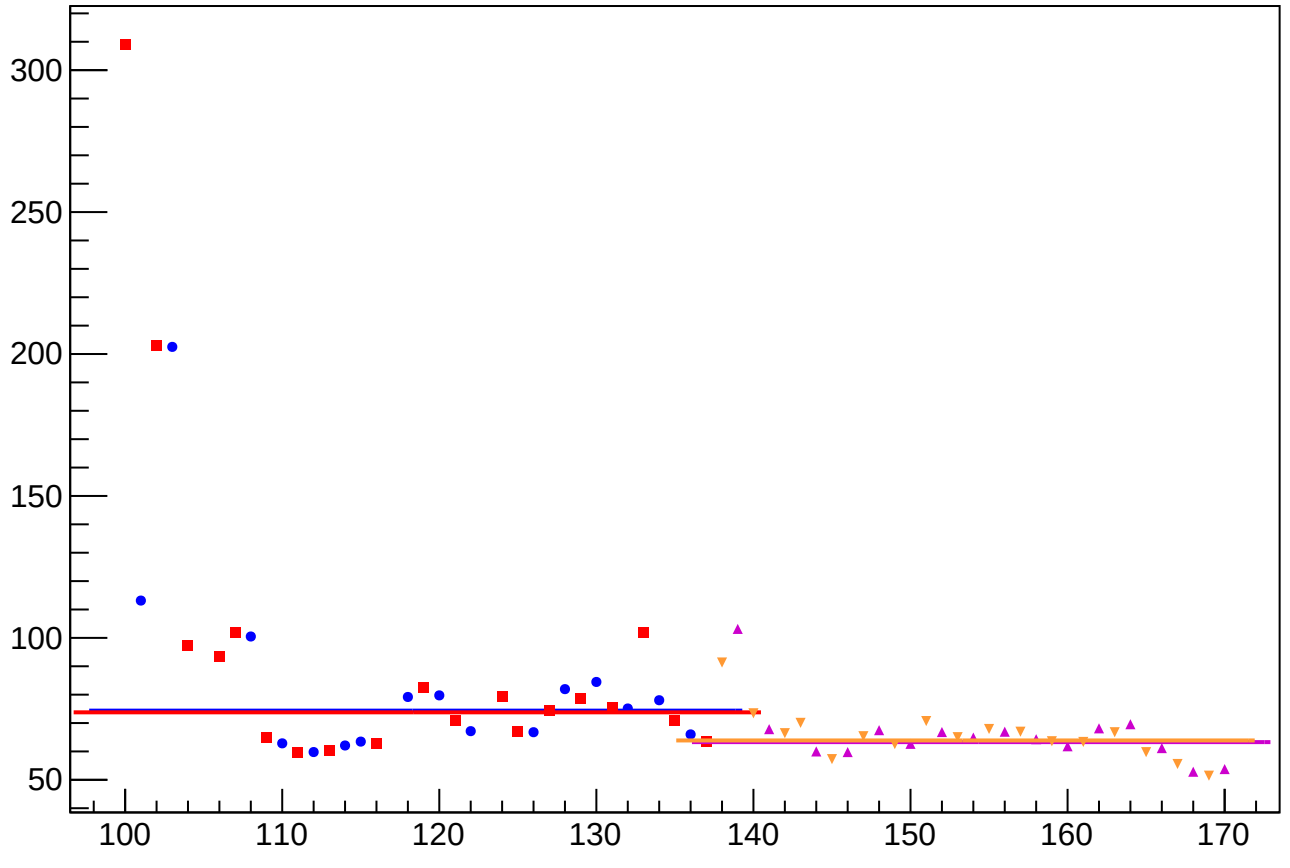
Left: 68.662+/-12.489 χ^2/NDF: 65.8/32

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.948+/-15.068 χ^2/NDF:47.5/31

Out: 59.772+/-15.012 χ^2/NDF:67.9/35

All: 51.391+/-10.635 χ^2/NDF: 116.0/67



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 63.870+/-0.012 χ^2/NDF:361798.8/16

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

Left: 63.576+/-0.009 χ^2/NDF: 788731.9/32

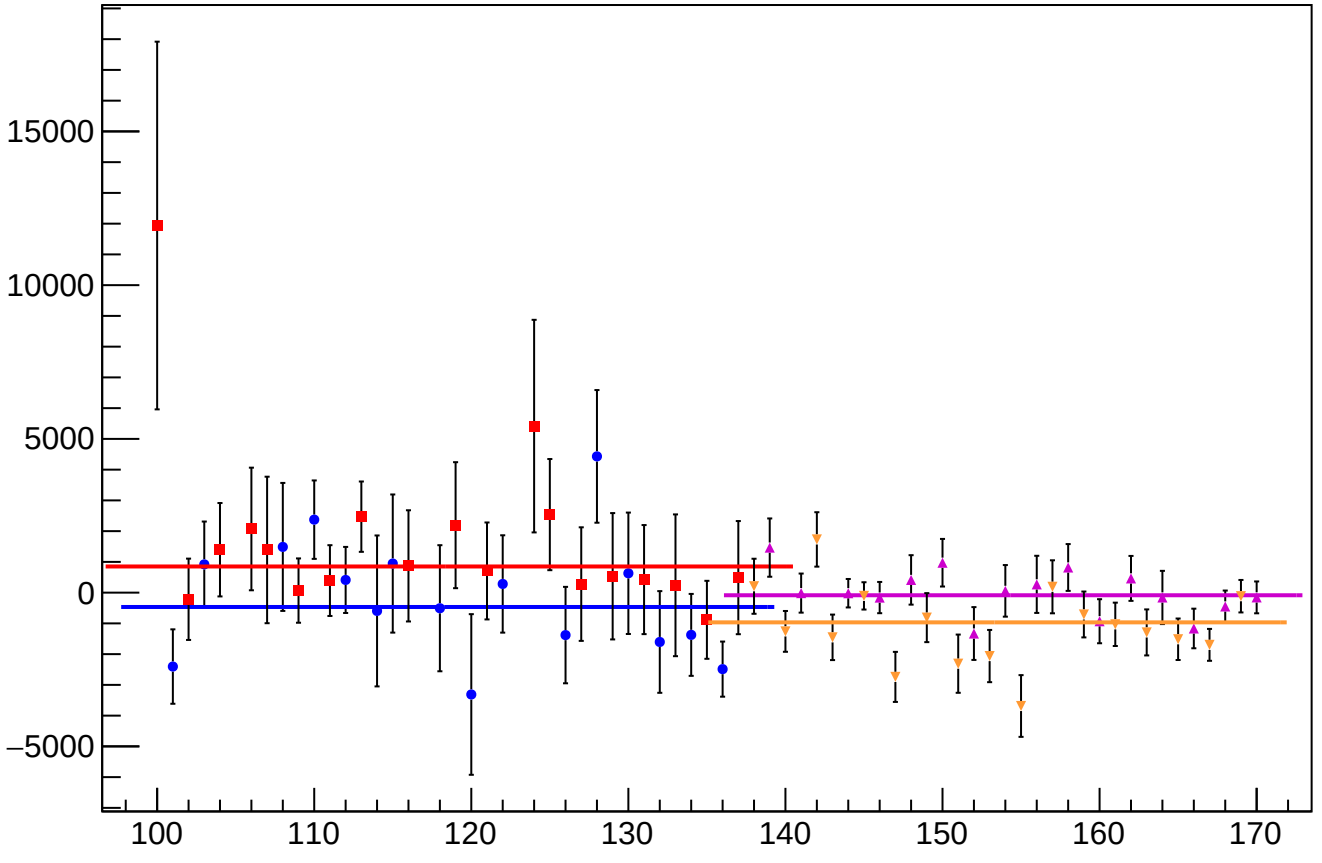
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 66.293+/-0.011 χ^2/NDF:1467630.5/31

Out: 66.626+/-0.011 χ^2/NDF:1464749.6/35

All: 66.460+/-0.008 χ^2/NDF: 2932870.5/67

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -966.682+/-169.729 χ^2/NDF:38.6/16

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -85.101+/-166.581 χ^2/NDF:14.0/15

Left: -517.640+/-118.888 χ^2/NDF: 66.3/32

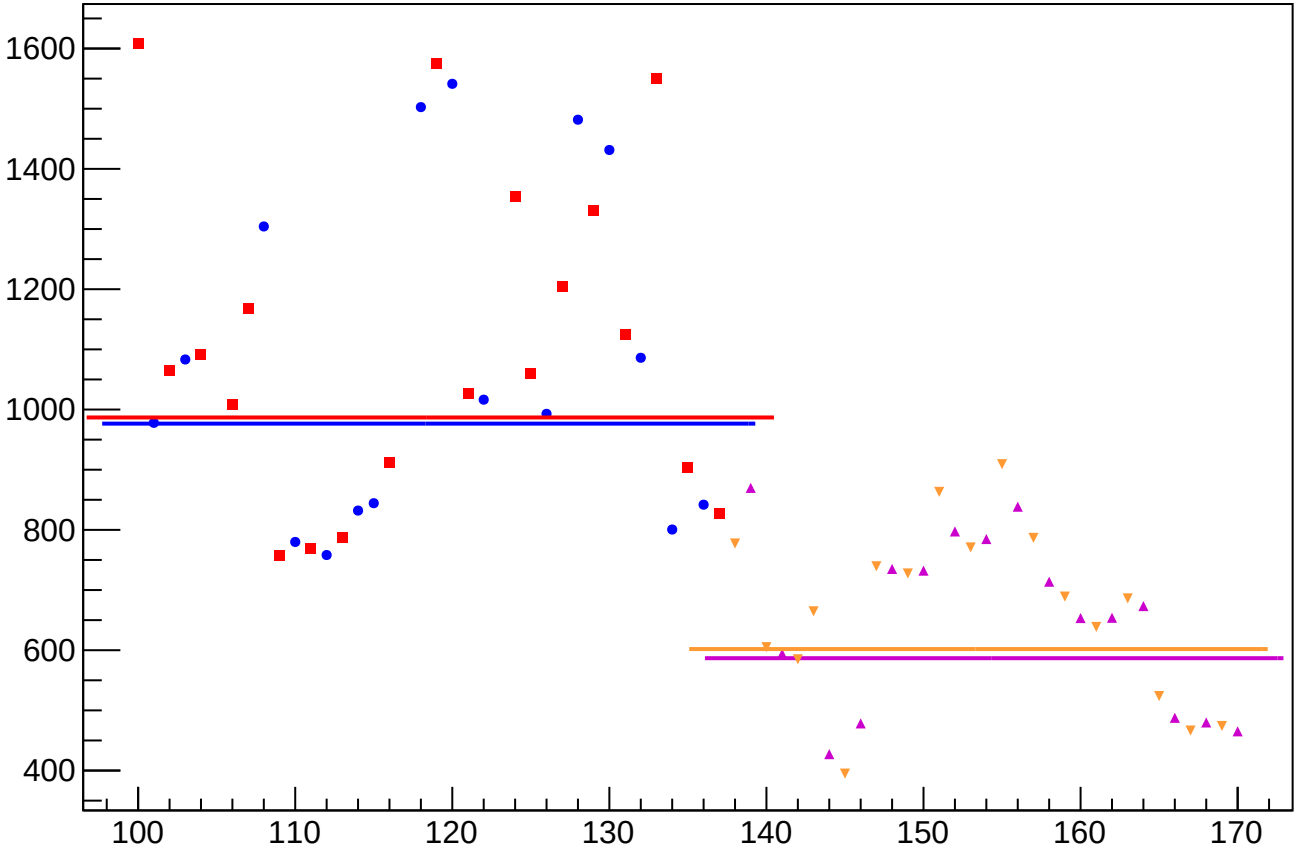
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.950+/-152.239 χ^2/NDF:38.5/31

Out: -655.046+/-154.493 χ^2/NDF:70.8/35

All: -397.771+/-108.437 χ^2/NDF: 114.8/67

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: 601.942+/-0.120 χ^2/NDF:1482677.0/16

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 586.743+/-0.118 χ^2/NDF:1377112.9/15

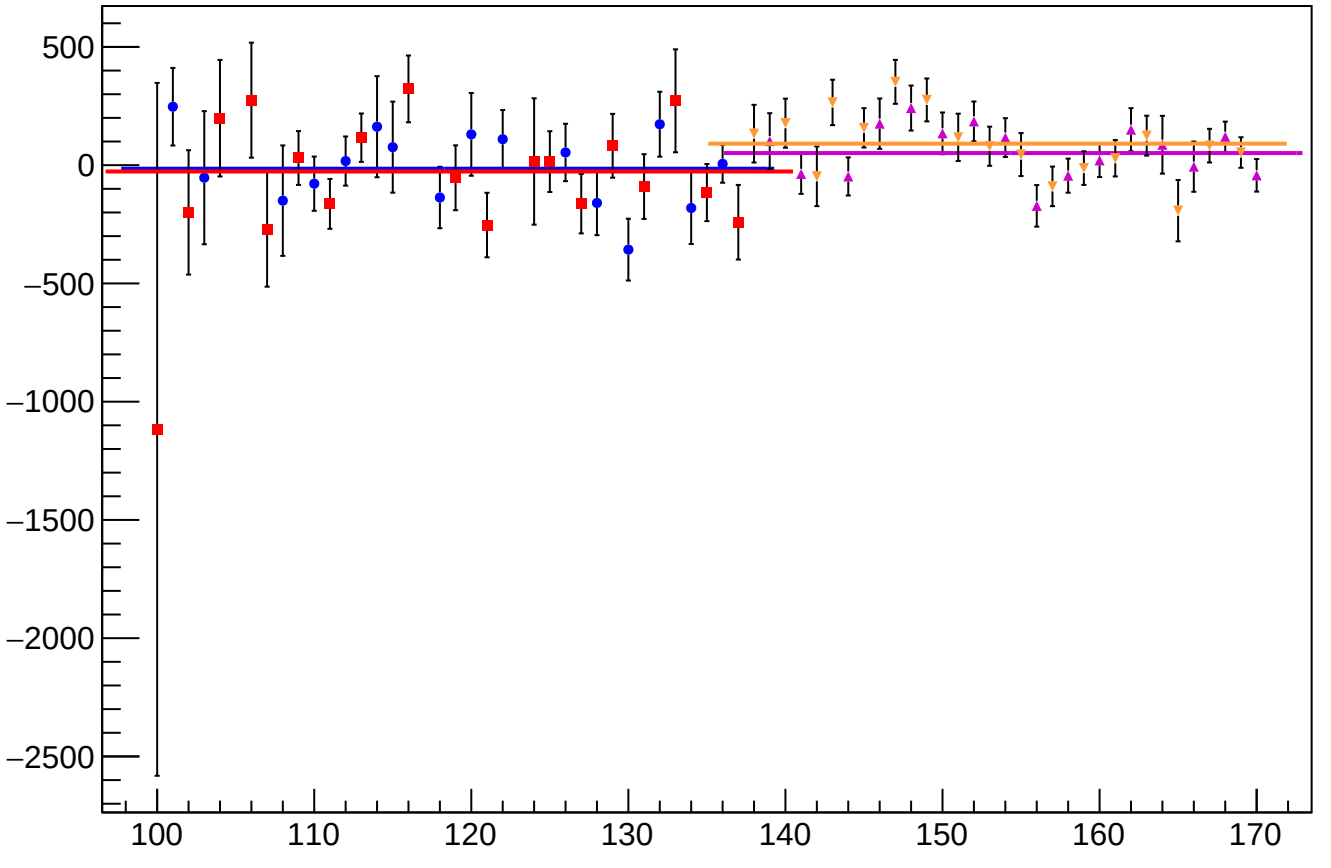
Left: 594.200+/-0.084 χ^2/NDF: 2867958.1/32

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 650.983+/-0.108 χ^2/NDF:3918734.5/31

Out: 667.937+/-0.109 χ^2/NDF:3959434.3/35

All: 659.335+/-0.077 χ^2/NDF: 7890388.9/67



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 90.925+/-21.193 χ^2/NDF:31.0/16

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.301+/-21.149 χ^2/NDF:25.2/15

Left: 71.072+/-14.970 χ^2/NDF: 58.0/32

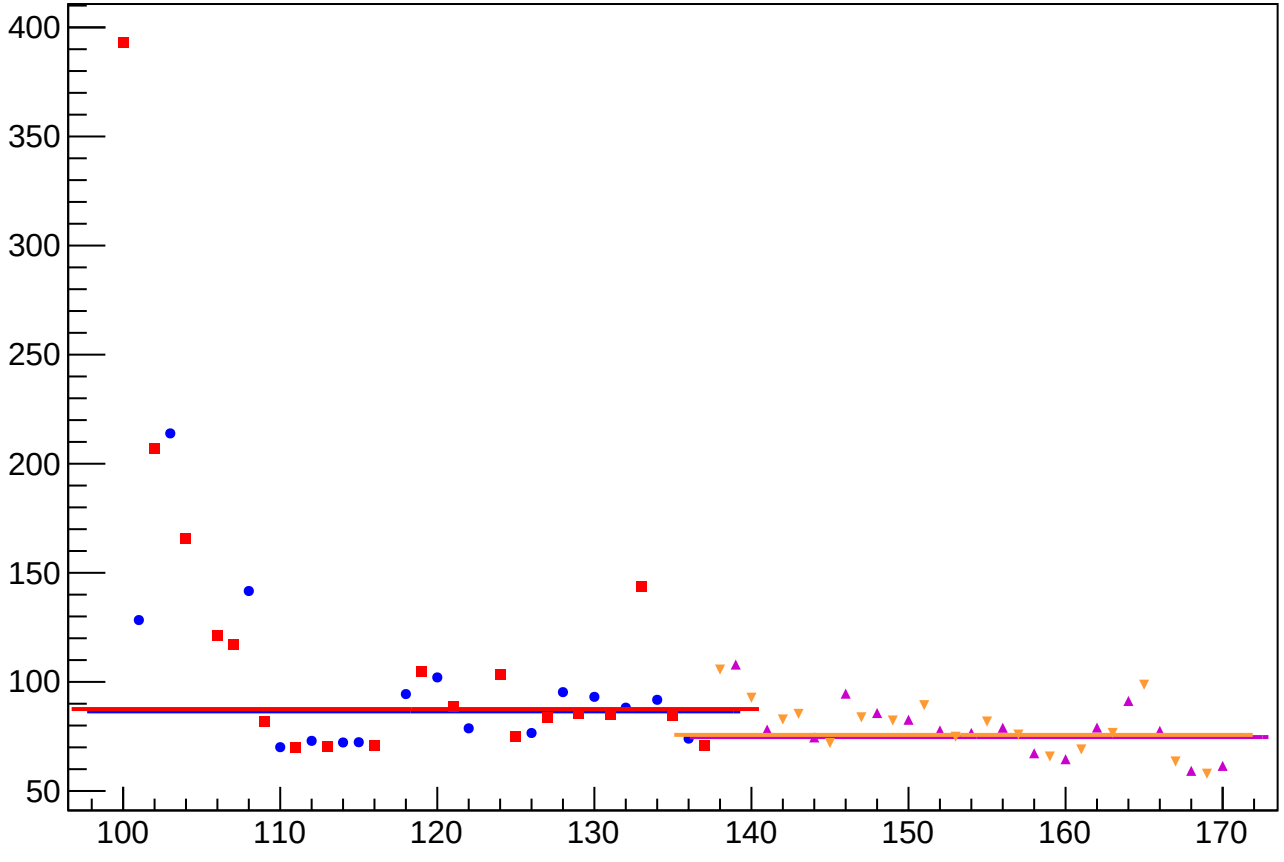
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 32.630+/-17.923 χ^2/NDF:46.2/31

Out: 58.127+/-17.996 χ^2/NDF:63.2/35

All: 45.326+/-12.699 χ^2/NDF: 110.5/67

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 75.720+/-0.015 χ^2/NDF:603793.7/16

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 74.715+/-0.015 χ^2/NDF:578672.6/15

Left: 75.216+/-0.011 χ^2/NDF: 1184719.7/32

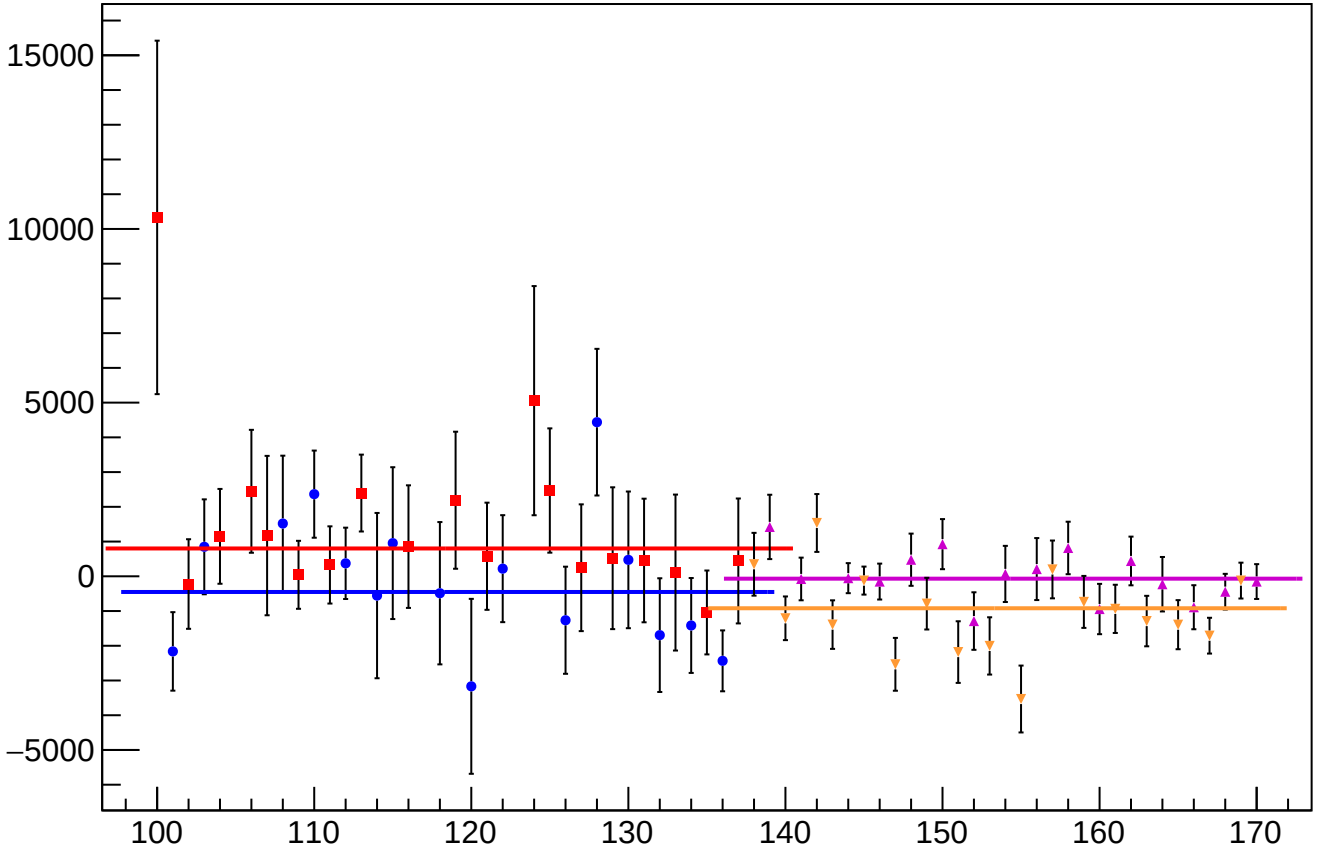
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 78.033+/-0.013 χ^2/NDF:1609634.3/31

Out: 79.021+/-0.013 χ^2/NDF:1907570.2/35

All: 78.525+/-0.009 χ^2/NDF: 3520231.1/67

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: -920.062+/-163.355 χ^2/NDF:38.2/16

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -68.352+/-161.341 χ^2/NDF:13.0/15

Left: -488.924+/-114.791 χ^2/NDF: 64.9/32

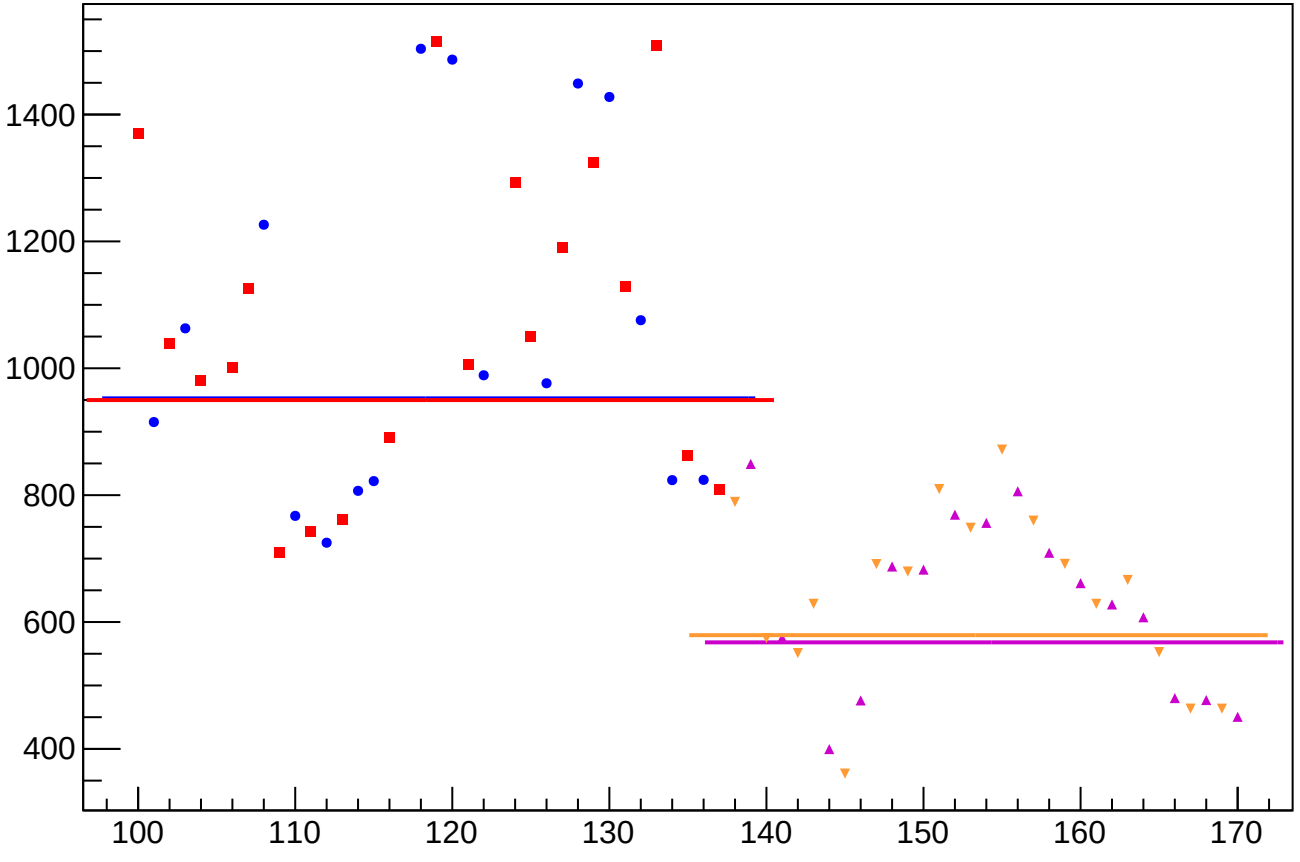
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -130.786+/-147.607 χ^2/NDF:37.6/31

Out: -623.254+/-148.605 χ^2/NDF:70.9/35

All: -375.361+/-104.725 χ^2/NDF: 114.1/67

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 579.297+/-0.116 χ^2/NDF:1572789.5/16

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 567.954+/-0.114 χ^2/NDF:1353607.8/15

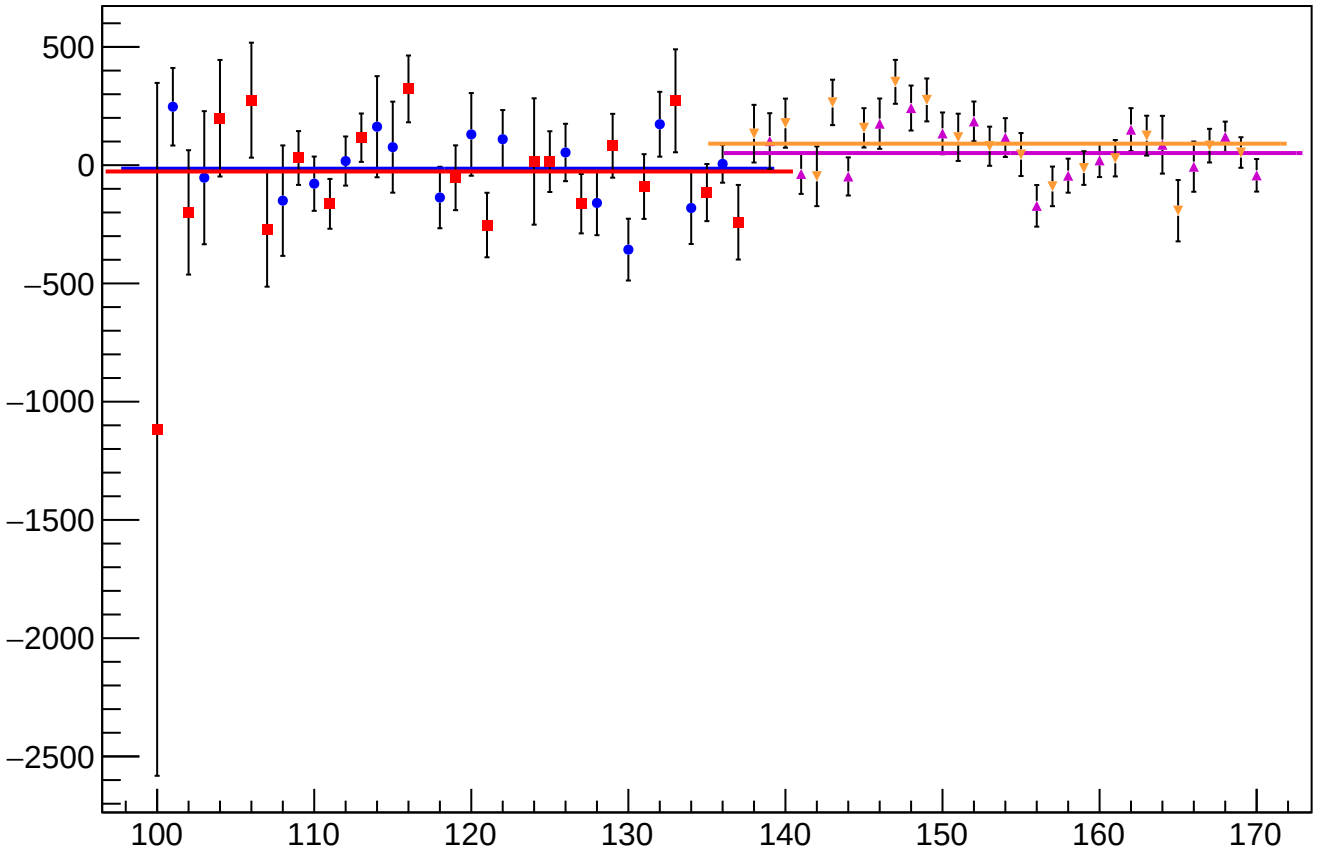
Left: 573.555+/-0.081 χ^2/NDF: 2931278.3/32

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 630.644+/-0.104 χ^2/NDF:3952382.3/31

Out: 643.200+/-0.105 χ^2/NDF:4099430.4/35

All: 636.880+/-0.074 χ^2/NDF: 8059000.5/67



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 90.926+/-21.193 χ^2/NDF:31.0/16

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 51.300+/-21.149 χ^2/NDF:25.2/15

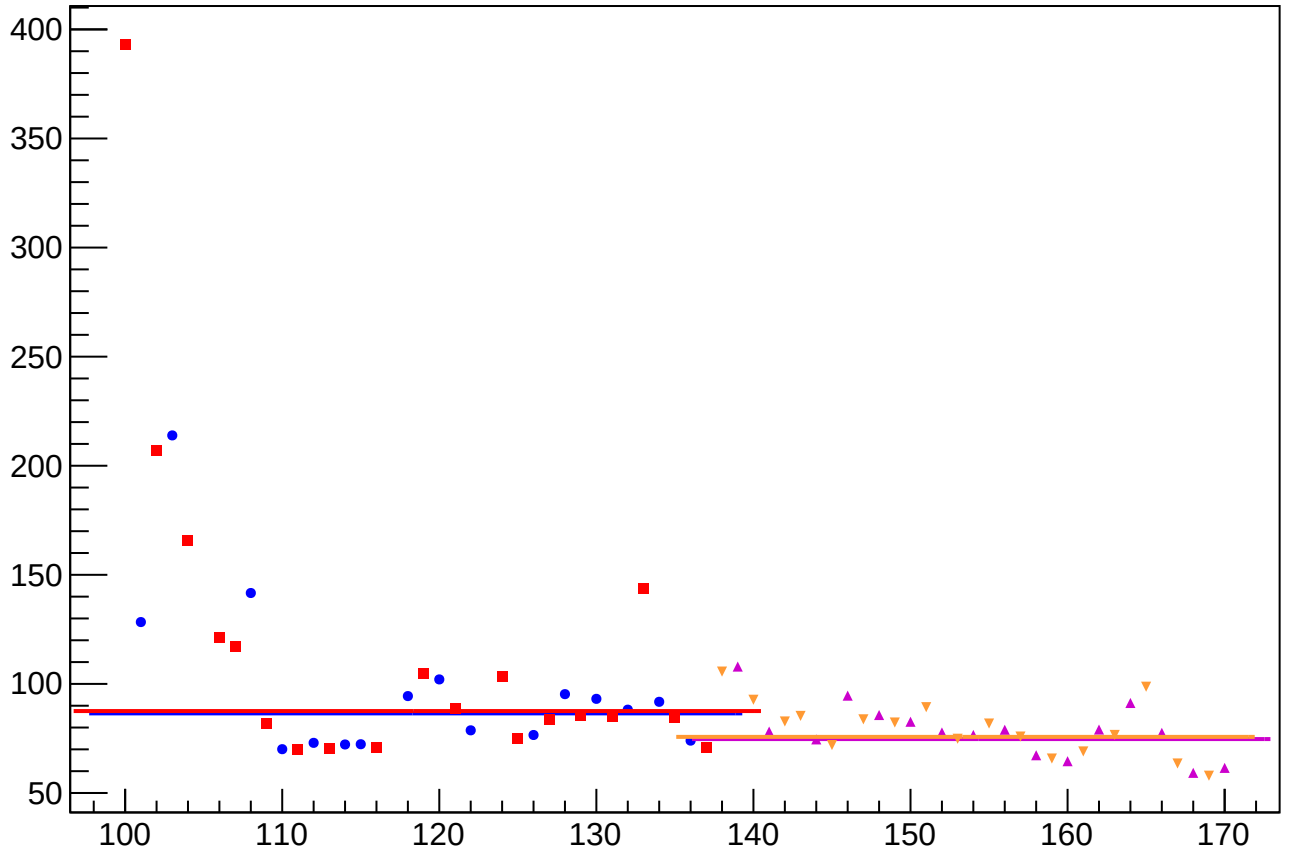
Left: 71.072+/-14.970 χ^2/NDF: 58.0/32

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

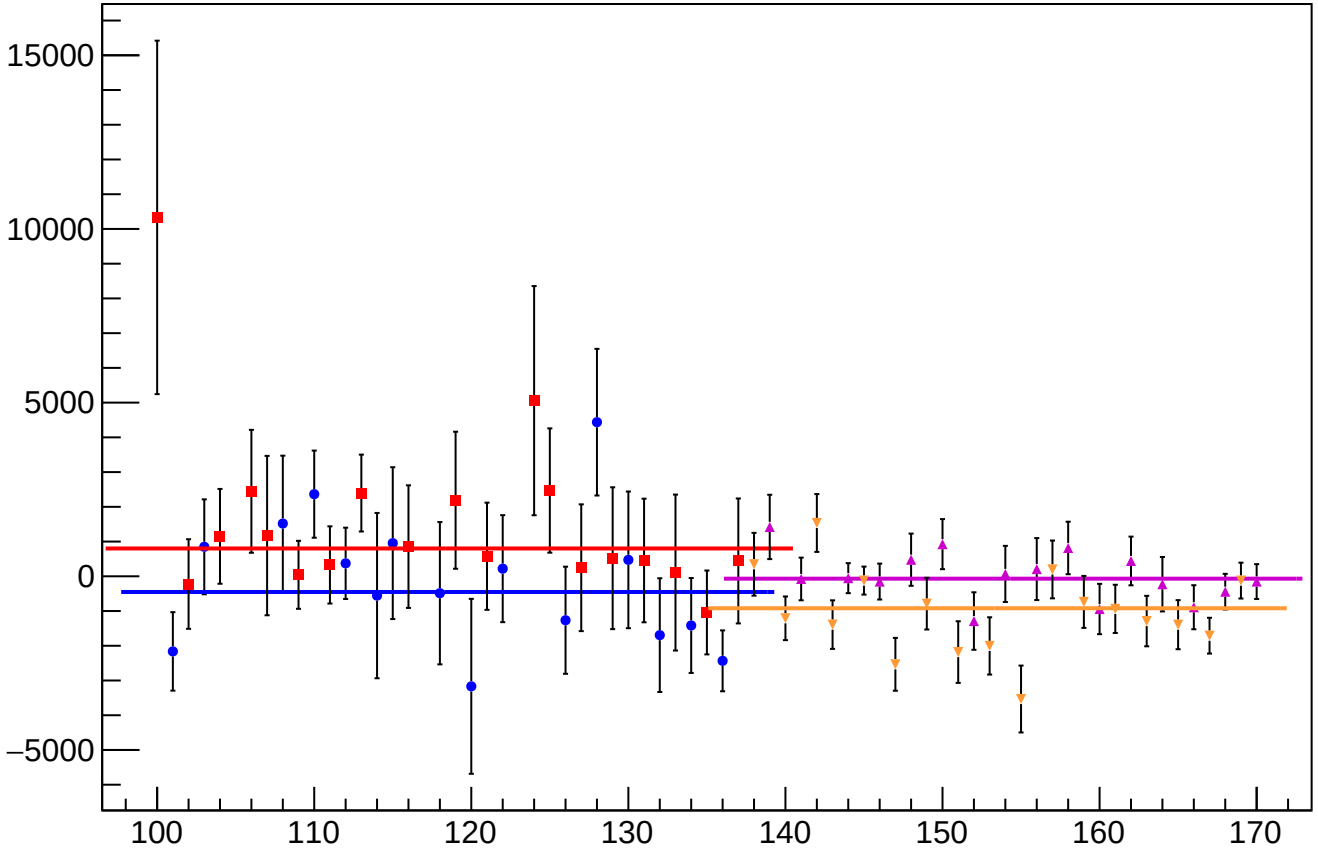
In: 32.629+/-17.923 χ^2/NDF:46.2/31

Out: 58.127+/-17.996 χ^2/NDF:63.2/35

All: 45.326+/-12.699 χ^2/NDF: 110.5/67


eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 86.489+/-0.024 χ²/NDF: 856249.6/15
Left Out: 75.720+/-0.015 χ²/NDF:603800.1/16
Right Out: 87.555+/-0.024 χ²/NDF: 1129791.7/18
Left In: 74.715+/-0.015 χ²/NDF:578677.9/15
Left: 75.216+/-0.011 χ²/NDF: 1184731.6/32
Right: 87.017+/-0.017 χ²/NDF: 1987028.5/34
In: 78.033+/-0.013 χ²/NDF:1609633.9/31
Out: 79.021+/-0.013 χ²/NDF:1907578.0/35
All: 78.525+/-0.009 χ²/NDF: 3520238.7/67

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: -920.062+/-163.355 χ^2/NDF:38.2/16

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -68.353+/-161.341 χ^2/NDF:13.0/15

Left: -488.925+/-114.791 χ^2/NDF: 64.9/32

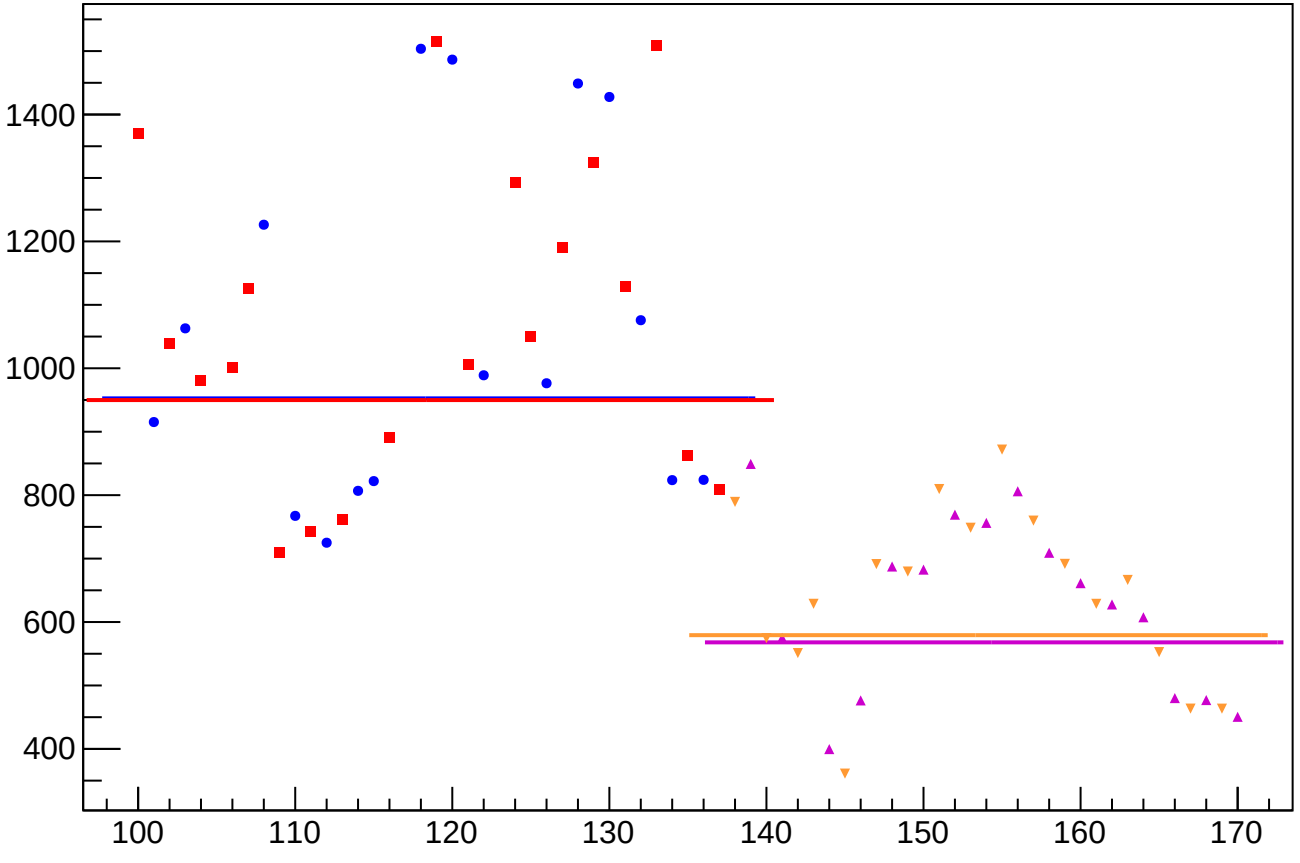
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -130.786+/-147.607 χ^2/NDF:37.6/31

Out: -623.254+/-148.605 χ^2/NDF:70.9/35

All: -375.361+/-104.725 χ^2/NDF: 114.1/67

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: 579.296+/-0.116 χ^2/NDF:1572787.6/16

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 567.954+/-0.114 χ^2/NDF:1353604.5/15

Left: 573.555+/-0.081 χ^2/NDF: 2931272.9/32

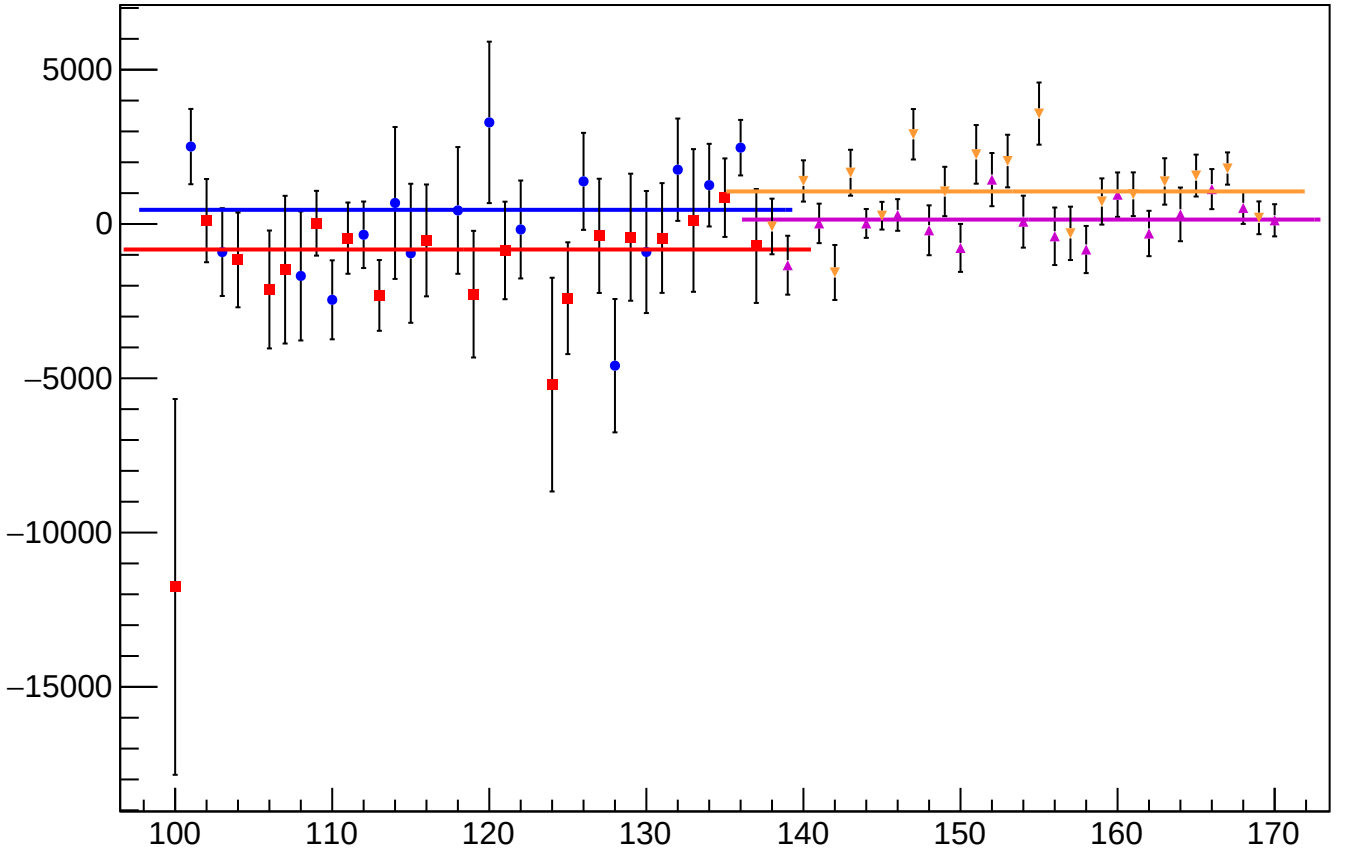
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 630.643+/-0.104 χ^2/NDF:3952374.1/31

Out: 643.200+/-0.105 χ^2/NDF:4099421.8/35

All: 636.879+/-0.074 χ^2/NDF: 8058983.6/67

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1055.013+/-170.804 χ^2/NDF:36.7/16

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 142.955+/-167.668 χ^2/NDF:12.9/15

Left: 590.536+/-119.653 χ^2/NDF: 64.1/32

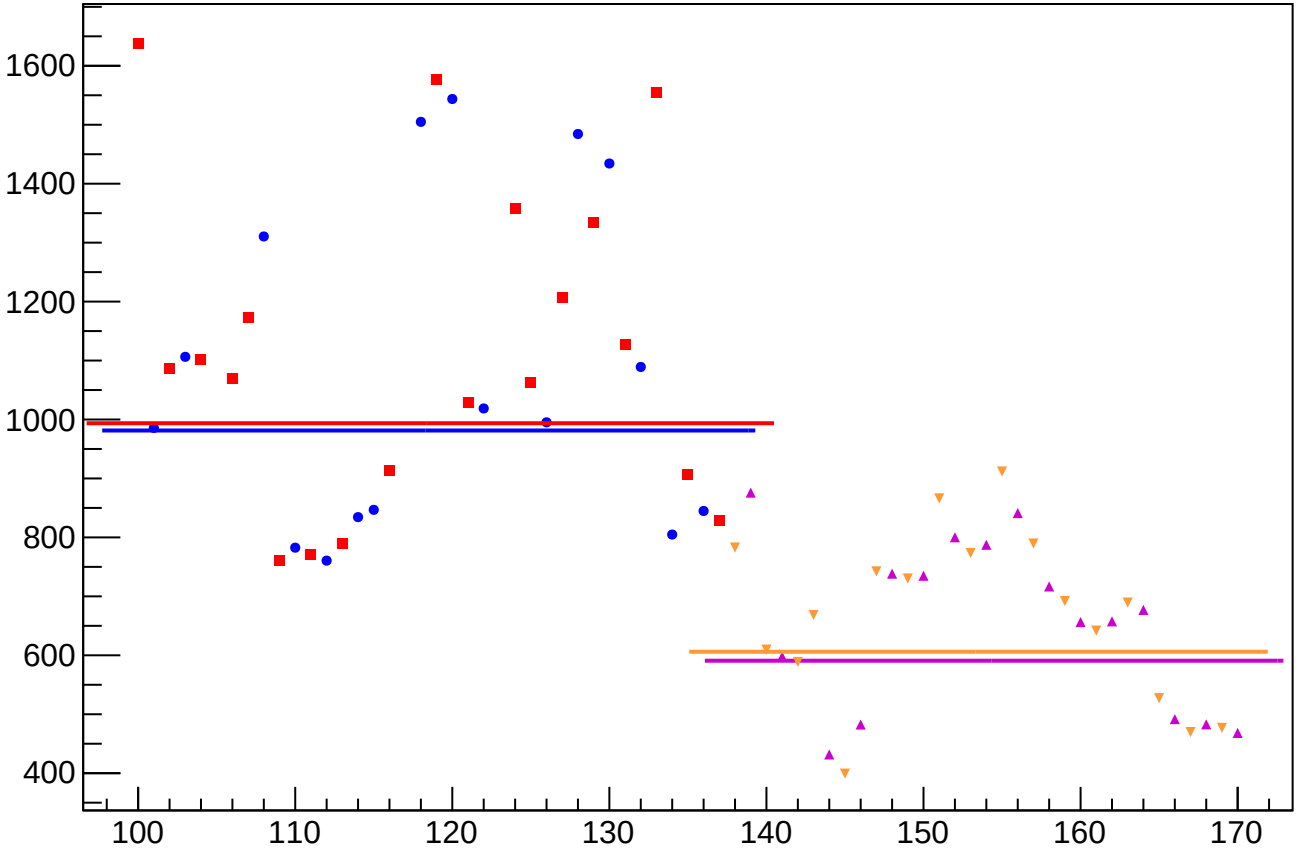
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 195.197+/-153.192 χ^2/NDF:38.1/31

Out: 730.653+/-155.386 χ^2/NDF:69.2/35

All: 459.119+/-109.090 χ^2/NDF: 113.3/67

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 606.033+/-0.121 χ^2/NDF:1458551.4/16

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 590.834+/-0.119 χ^2/NDF:1356314.9/15

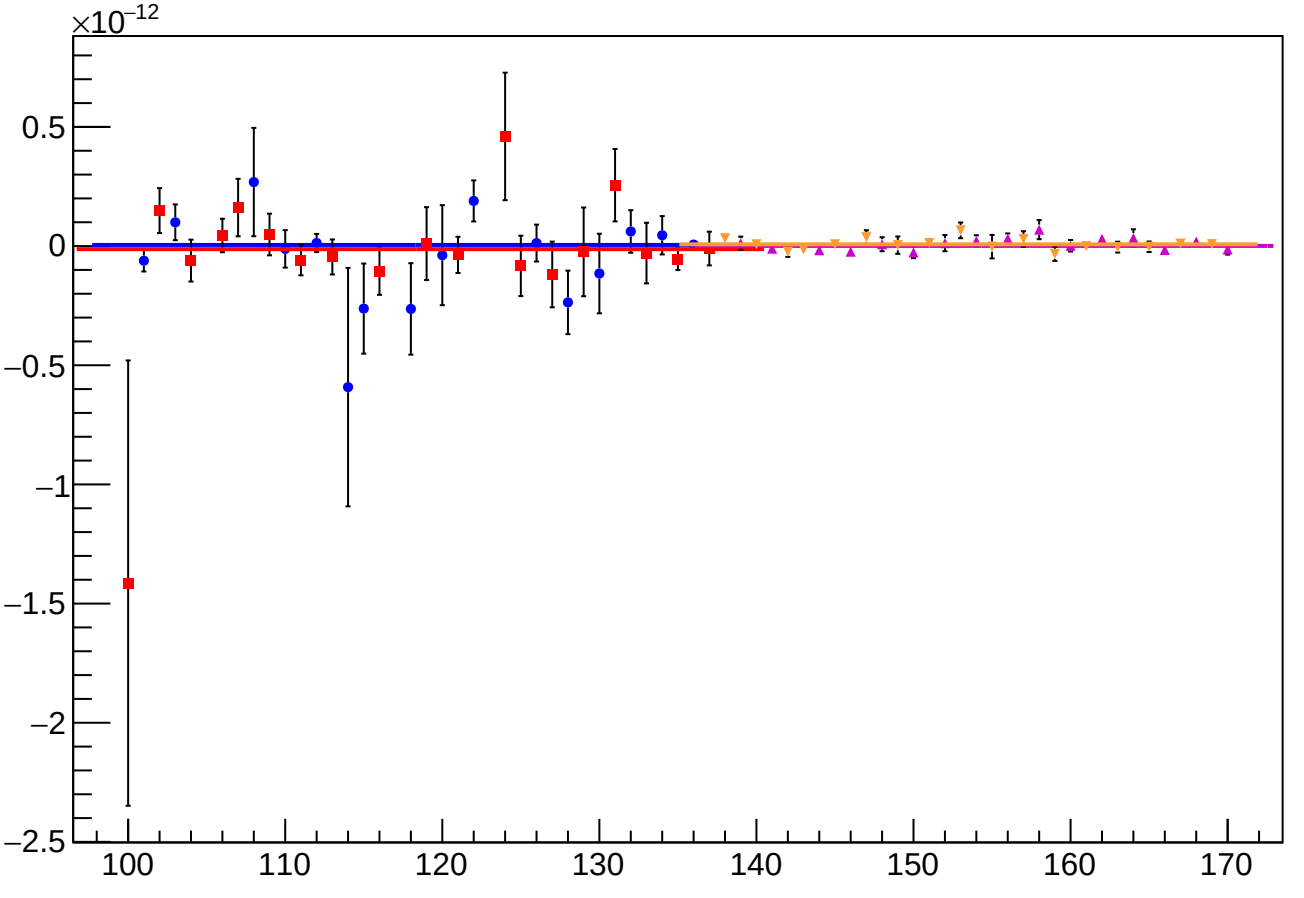
Left: 598.292+/-0.085 χ^2/NDF: 2822931.2/32

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 655.357+/-0.108 χ^2/NDF:3886544.0/31

Out: 672.860+/-0.110 χ^2/NDF:3954296.1/35

All: 663.984+/-0.077 χ^2/NDF: 7853708.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/15

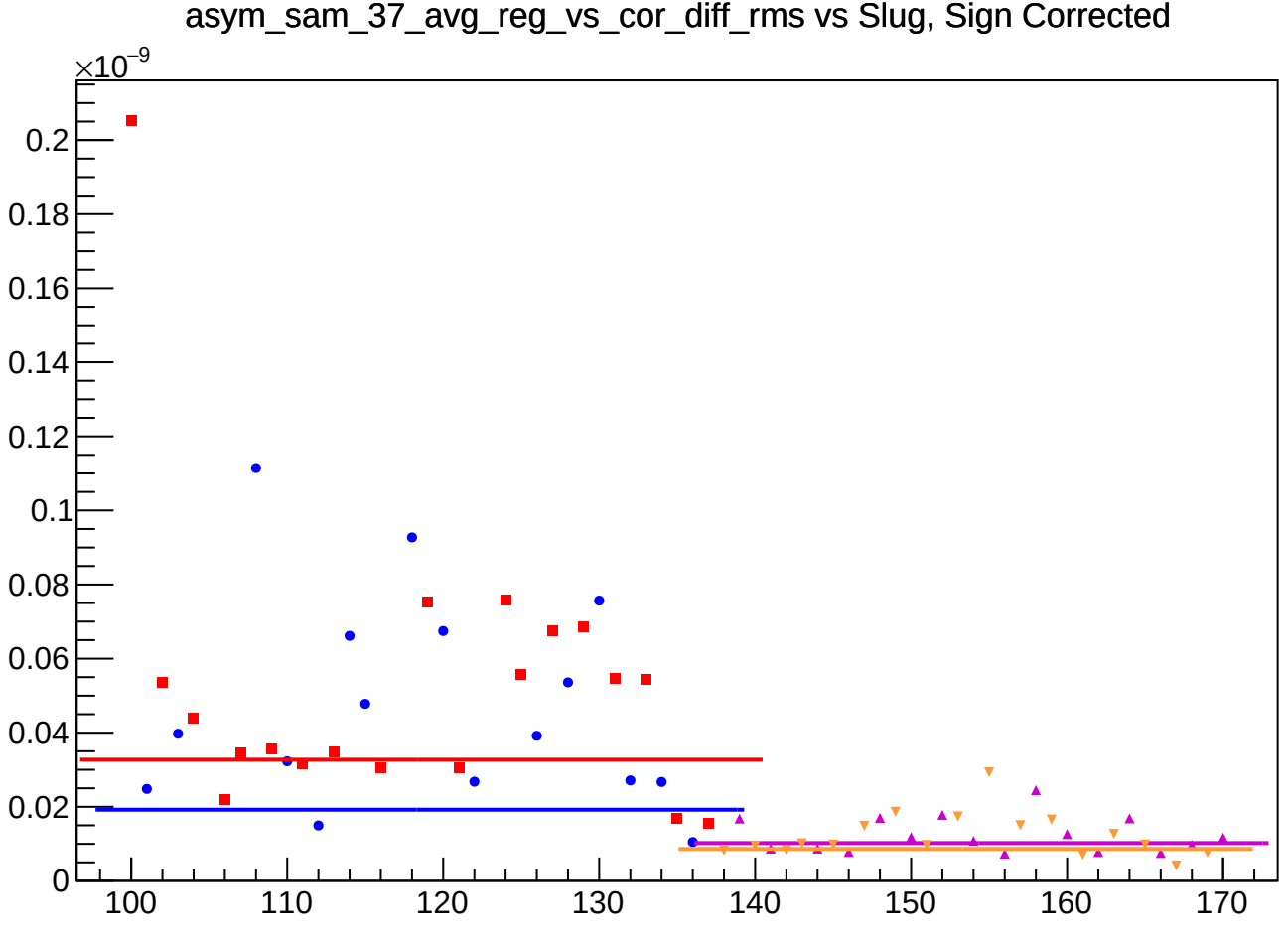
Left: 0.000+/-0.000 χ^2/NDF: 31.6/32

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.8/31

Out: 0.000+/-0.000 χ^2/NDF:32.0/35

All: 0.000+/-0.000 χ^2/NDF: 70.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1616983.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892705.6/15

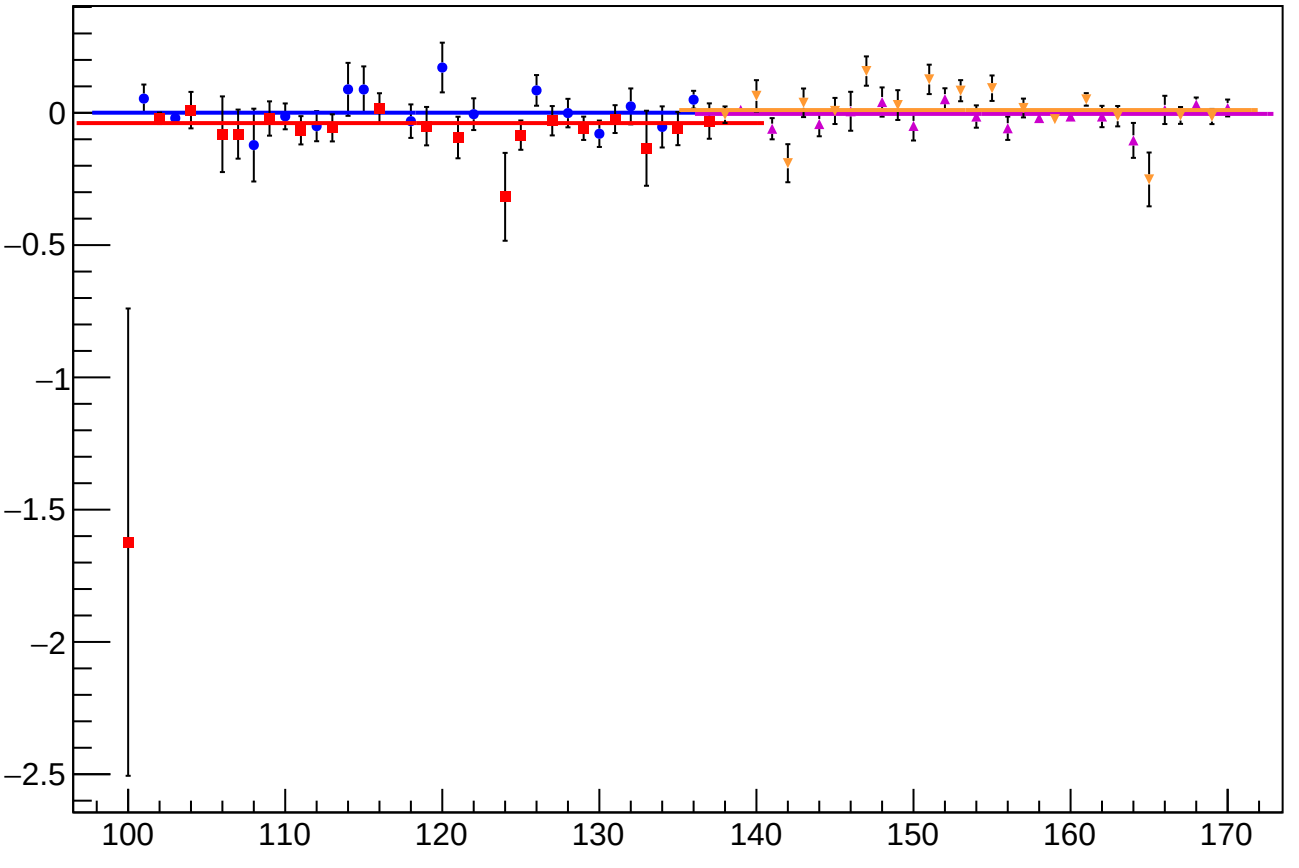
Left: 0.000+/-0.000 χ^2/NDF: 2615097.1/32

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3560463.1/31

Out: 0.000+/-0.000 χ^2/NDF:5374254.5/35

All: 0.000+/-0.000 χ^2/NDF: 9039085.4/67



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.009 χ^2/NDF:42.5/16

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.006 χ^2/NDF: 58.5/32

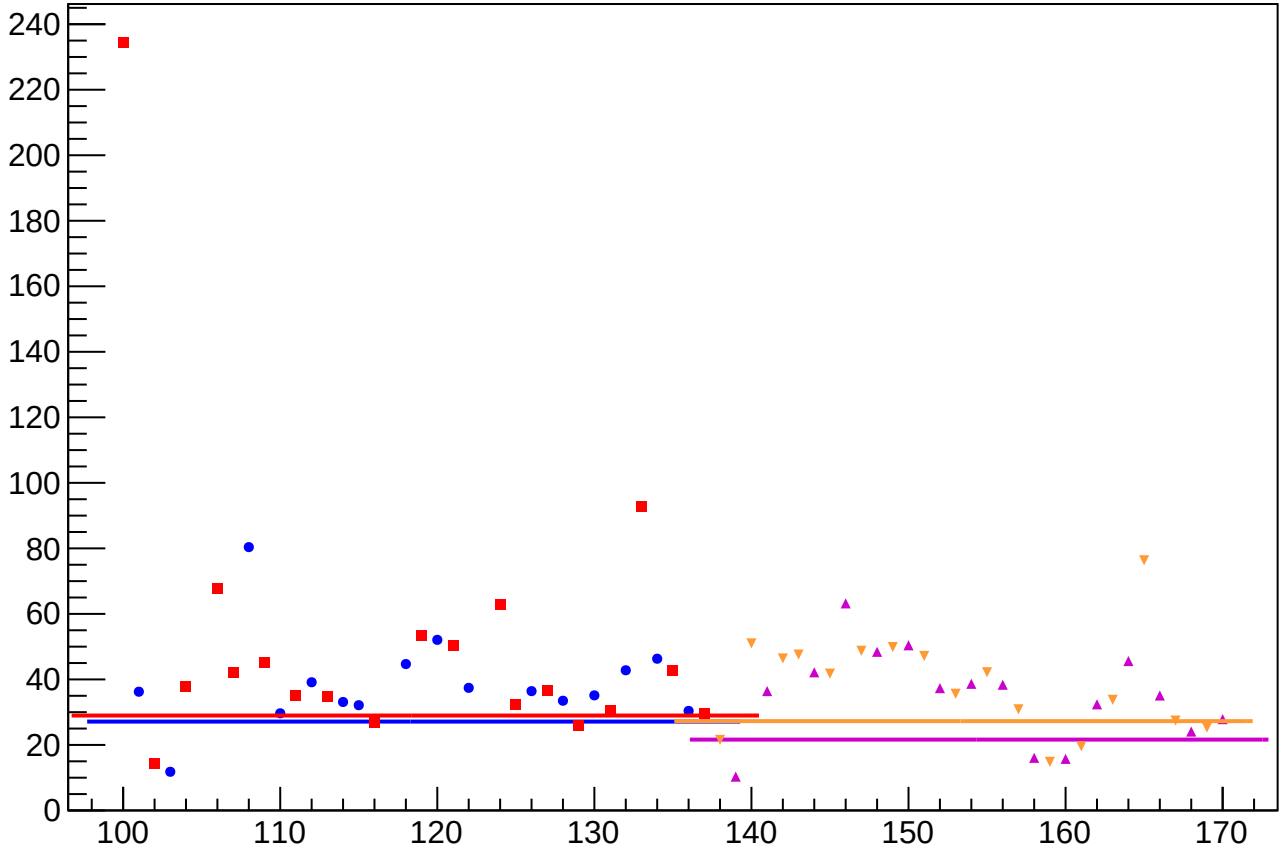
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.005+/-0.007 χ^2/NDF:63.9/35

All: -0.004+/-0.005 χ^2/NDF: 95.0/67

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: 27.264+/-0.006 χ^2/NDF:4048162.4/16

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.627+/-0.005 χ^2/NDF:5681111.1/15

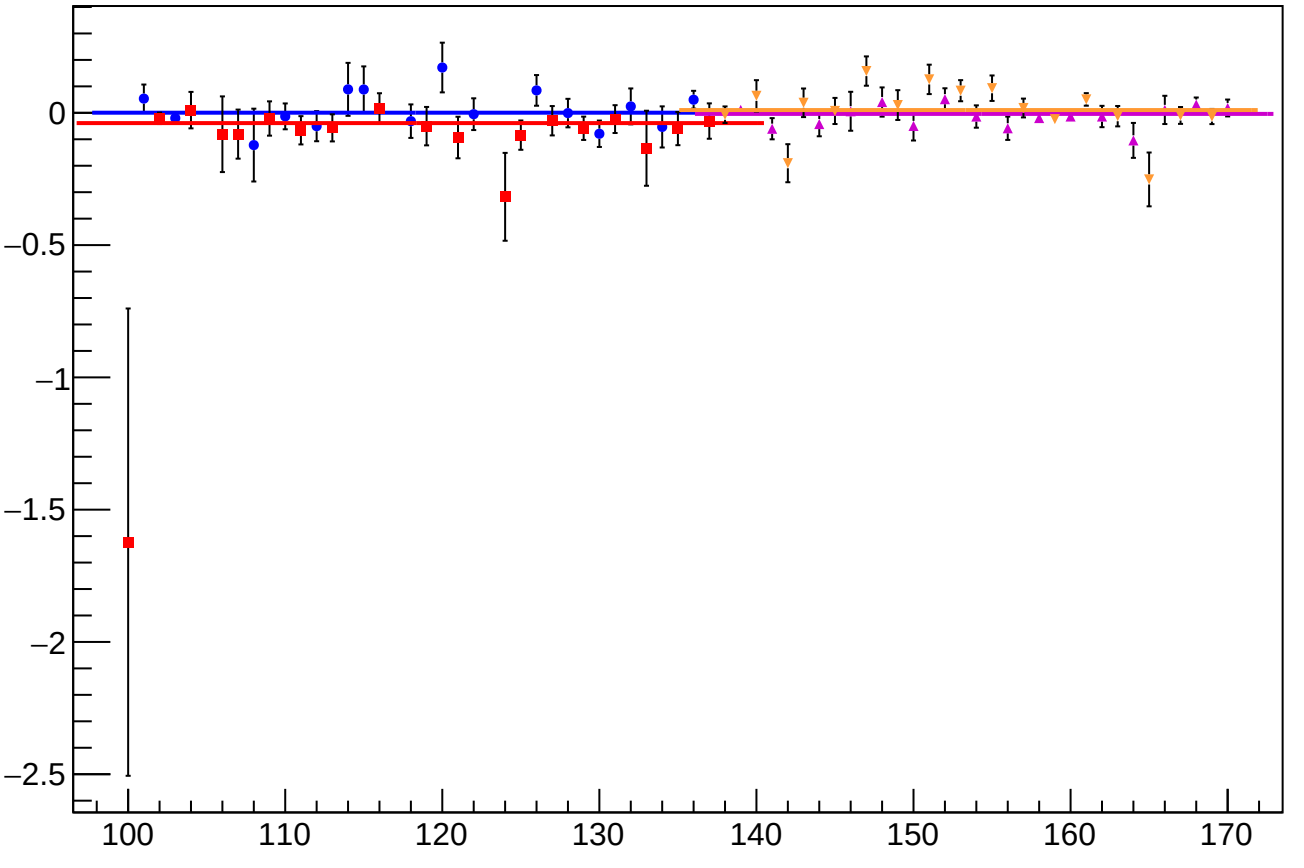
Left: 23.971+/-0.004 χ^2/NDF: 10230749.4/32

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.095+/-0.004 χ^2/NDF:8402853.5/31

Out: 27.807+/-0.005 χ^2/NDF:6529578.2/35

All: 25.136+/-0.003 χ^2/NDF: 15430214.2/67



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.009 χ^2/NDF:42.5/16

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.006 χ^2/NDF: 58.5/32

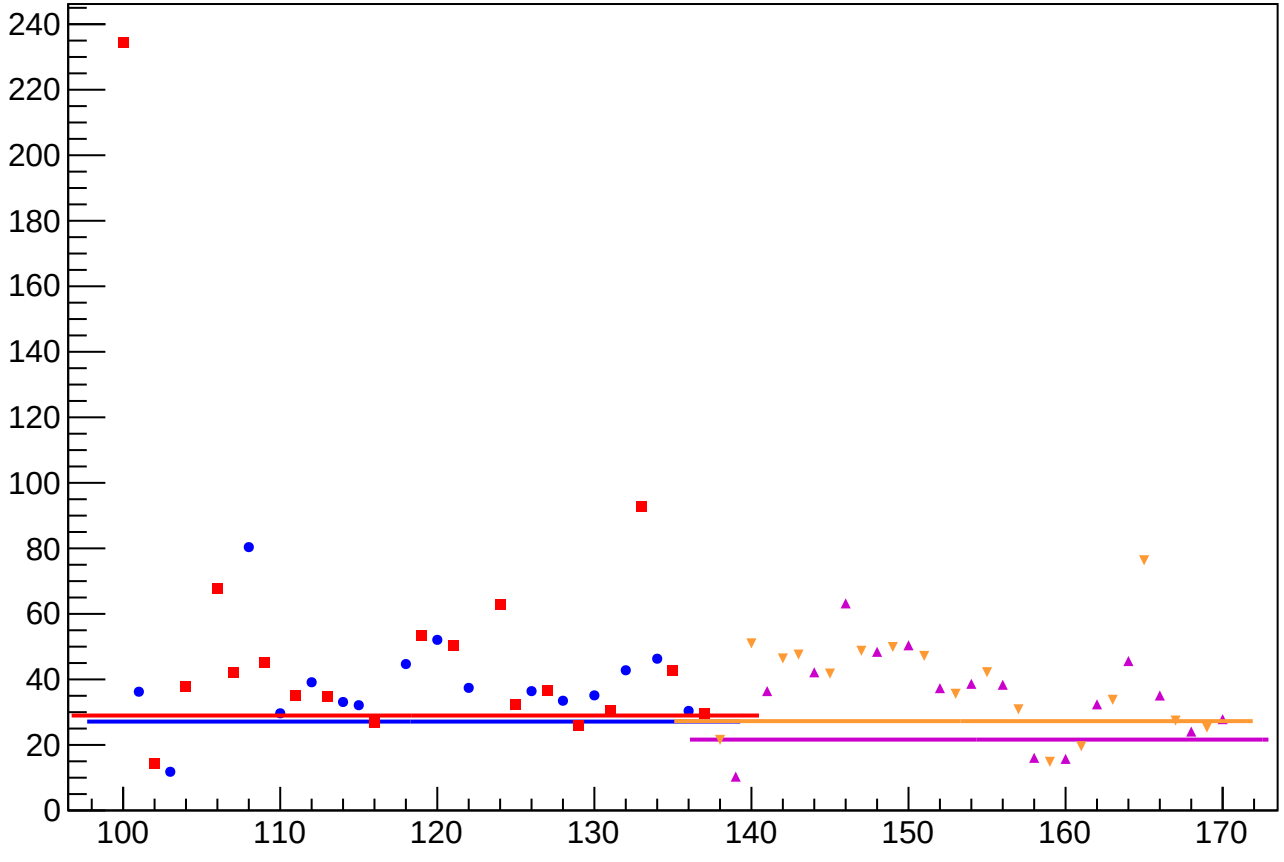
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.005+/-0.007 χ^2/NDF:63.9/35

All: -0.004+/-0.005 χ^2/NDF: 95.0/67

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: 27.264+/-0.006 χ^2/NDF:4048162.4/16

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.627+/-0.005 χ^2/NDF:5681111.1/15

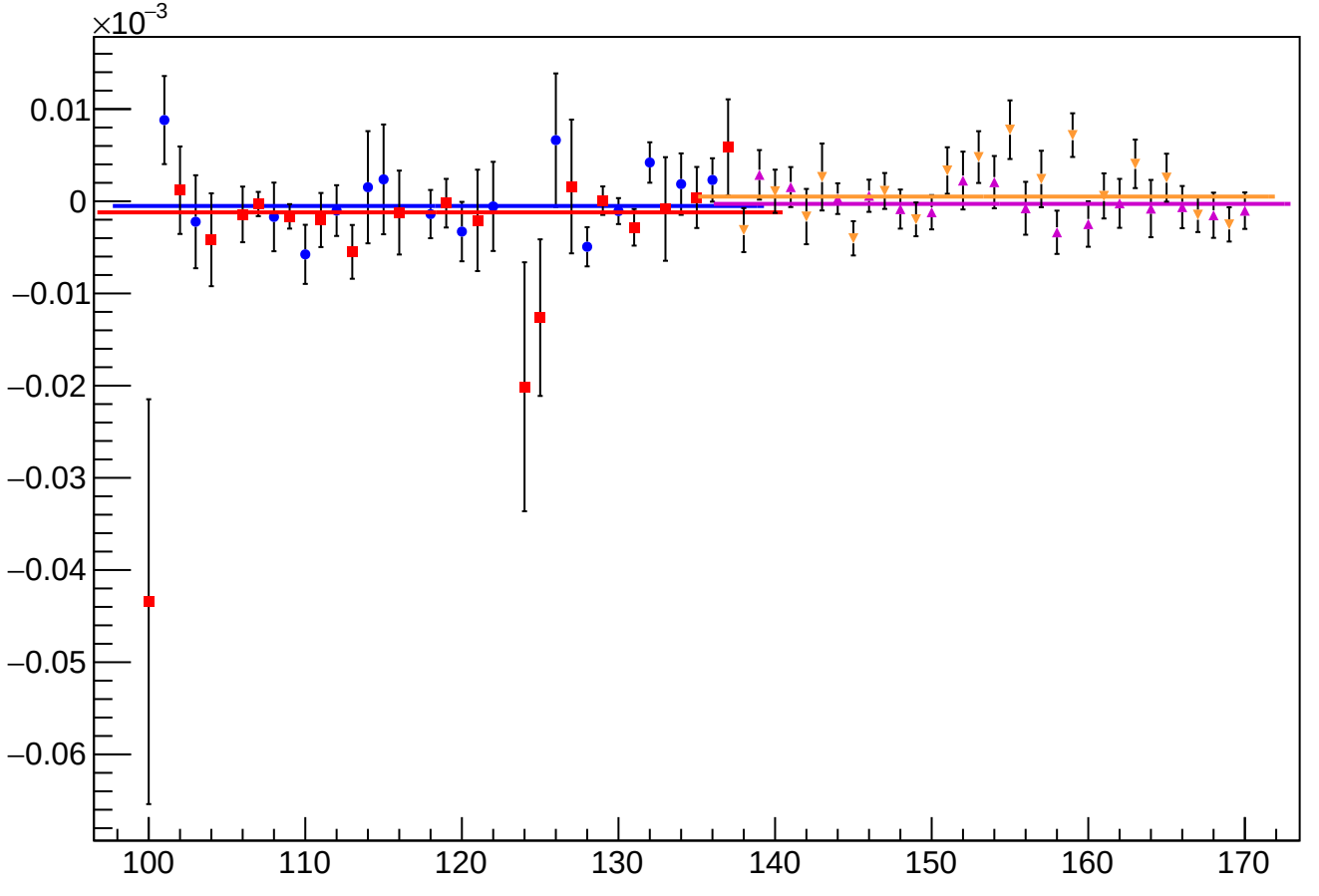
Left: 23.971+/-0.004 χ^2/NDF: 10230749.4/32

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.095+/-0.004 χ^2/NDF:8402853.5/31

Out: 27.807+/-0.005 χ^2/NDF:6529578.2/35

All: 25.136+/-0.003 χ^2/NDF: 15430214.2/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/15

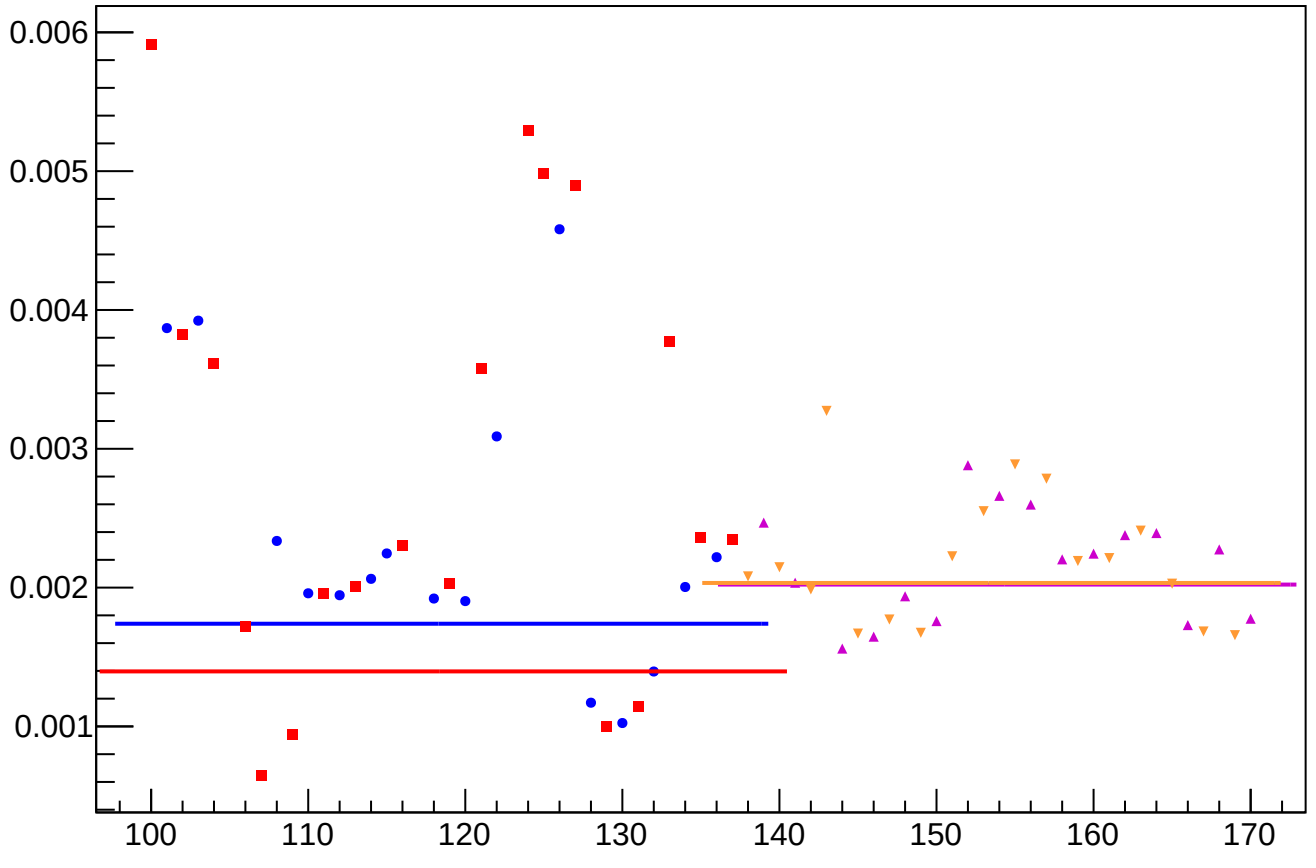
Left: 0.000+/-0.000 χ^2/NDF: 42.4/32

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:27.1/31

Out: -0.000+/-0.000 χ^2/NDF:53.2/35

All: -0.000+/-0.000 χ^2/NDF: 80.3/67



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:984758.6/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:854252.6/15

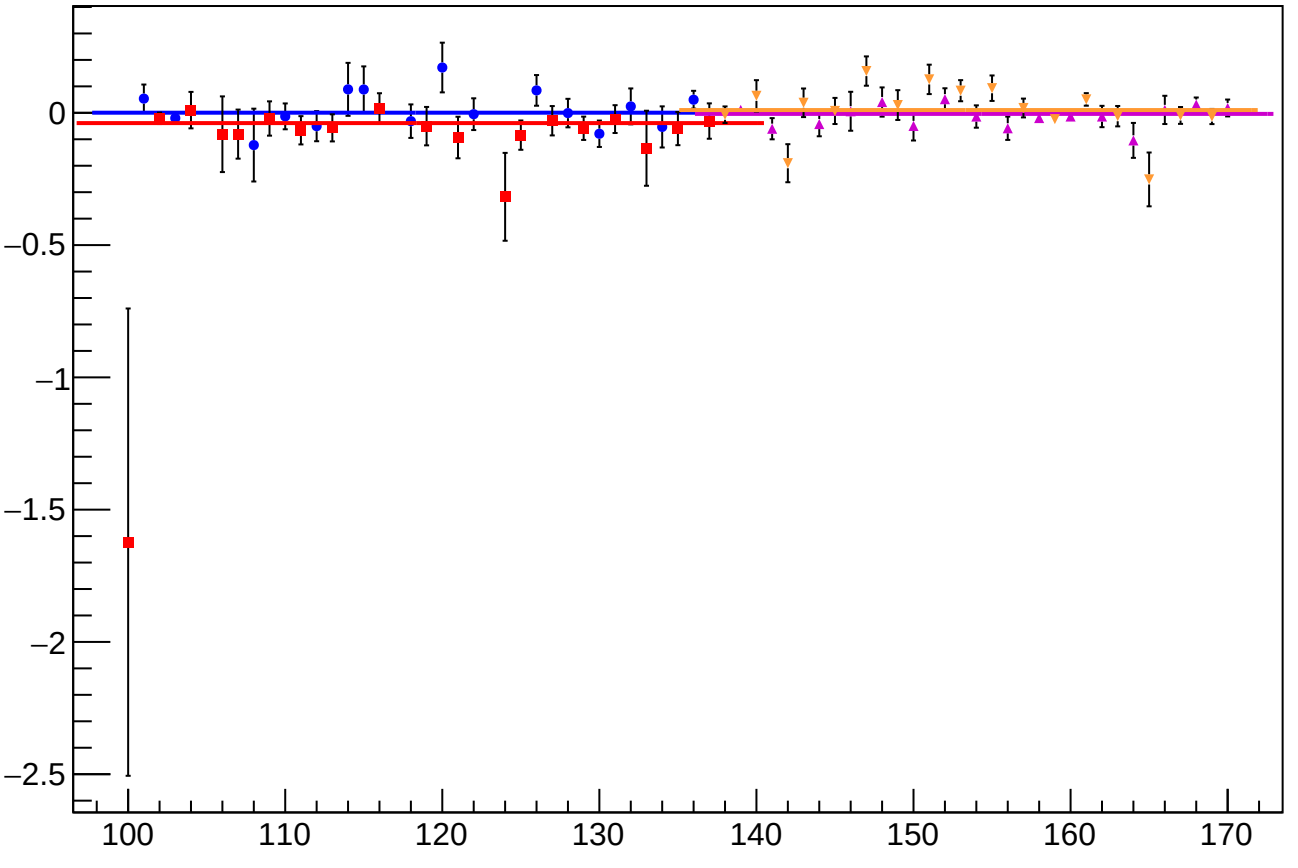
Left: 0.002+/-0.000 χ^2/NDF: 1839435.8/32

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3191458.1/31

Out: 0.002+/-0.000 χ^2/NDF:6472344.8/35

All: 0.002+/-0.000 χ^2/NDF: 9828223.7/67



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.009 χ^2/NDF:42.5/16

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.006 χ^2/NDF: 58.5/32

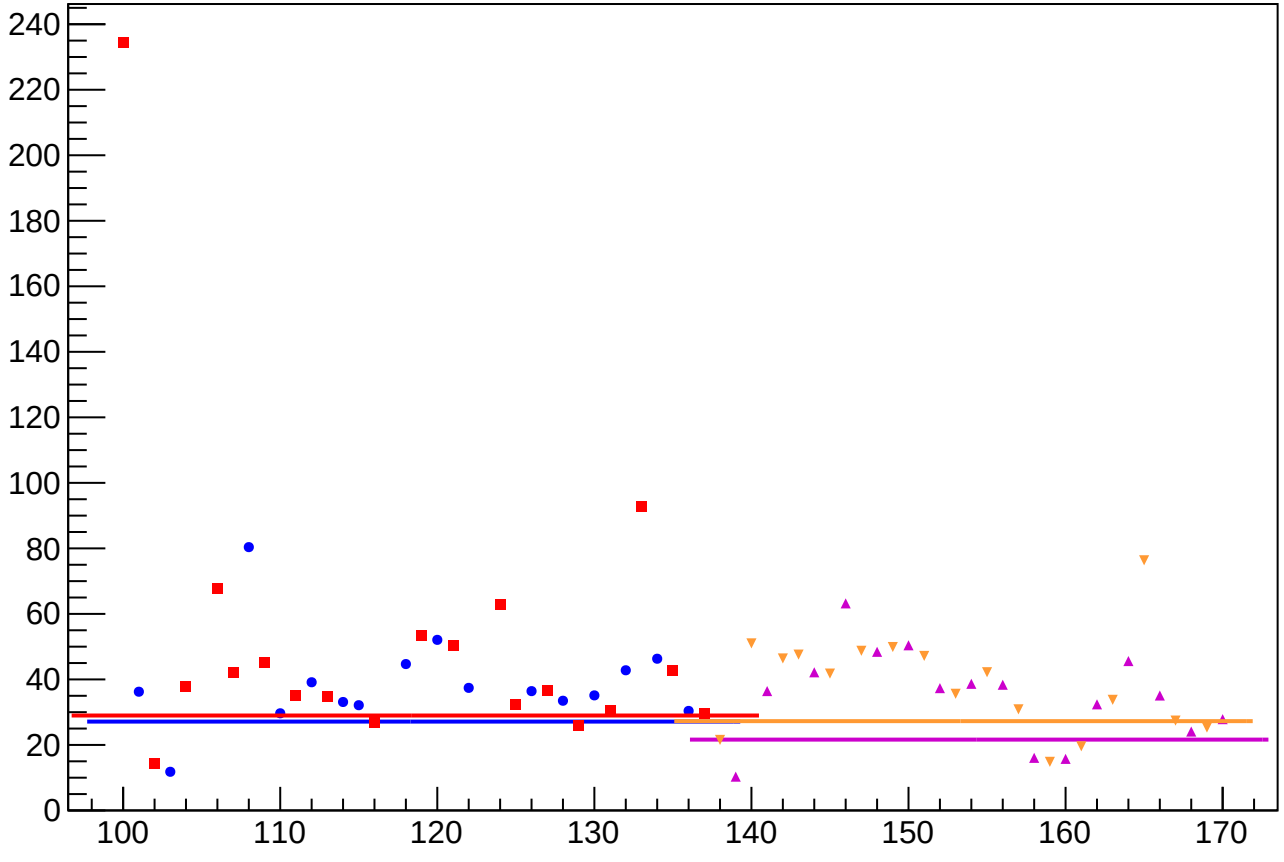
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.005+/-0.007 χ^2/NDF:63.9/35

All: -0.004+/-0.005 χ^2/NDF: 95.0/67

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: 27.264+/-0.006 χ^2/NDF:4048590.2/16

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.626+/-0.005 χ^2/NDF:5681952.7/15

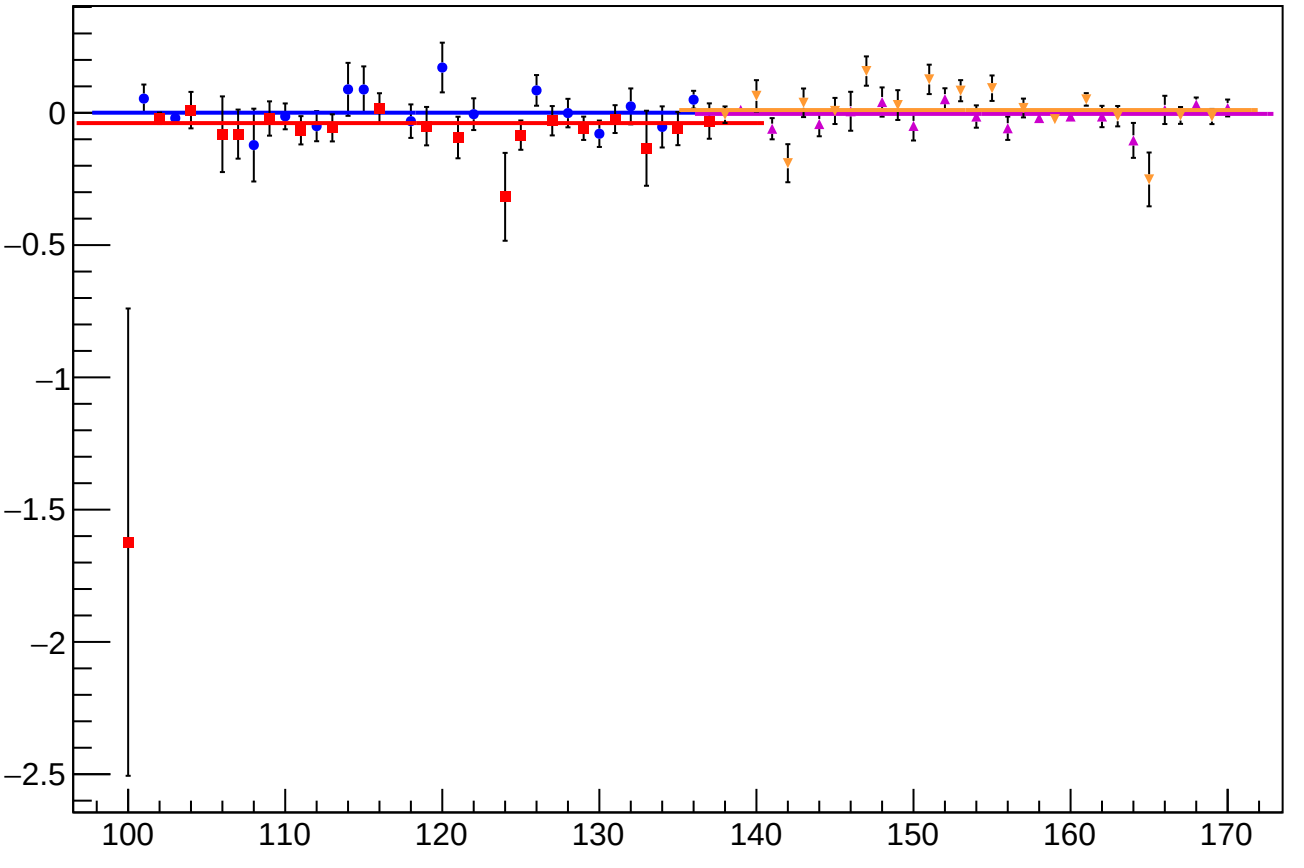
Left: 23.970+/-0.004 χ^2/NDF: 10232150.3/32

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.094+/-0.004 χ^2/NDF:8404088.5/31

Out: 27.808+/-0.005 χ^2/NDF:6529505.0/35

All: 25.135+/-0.003 χ^2/NDF: 15431707.0/67



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.009 χ^2/NDF:42.5/16

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.006 χ^2/NDF: 58.5/32

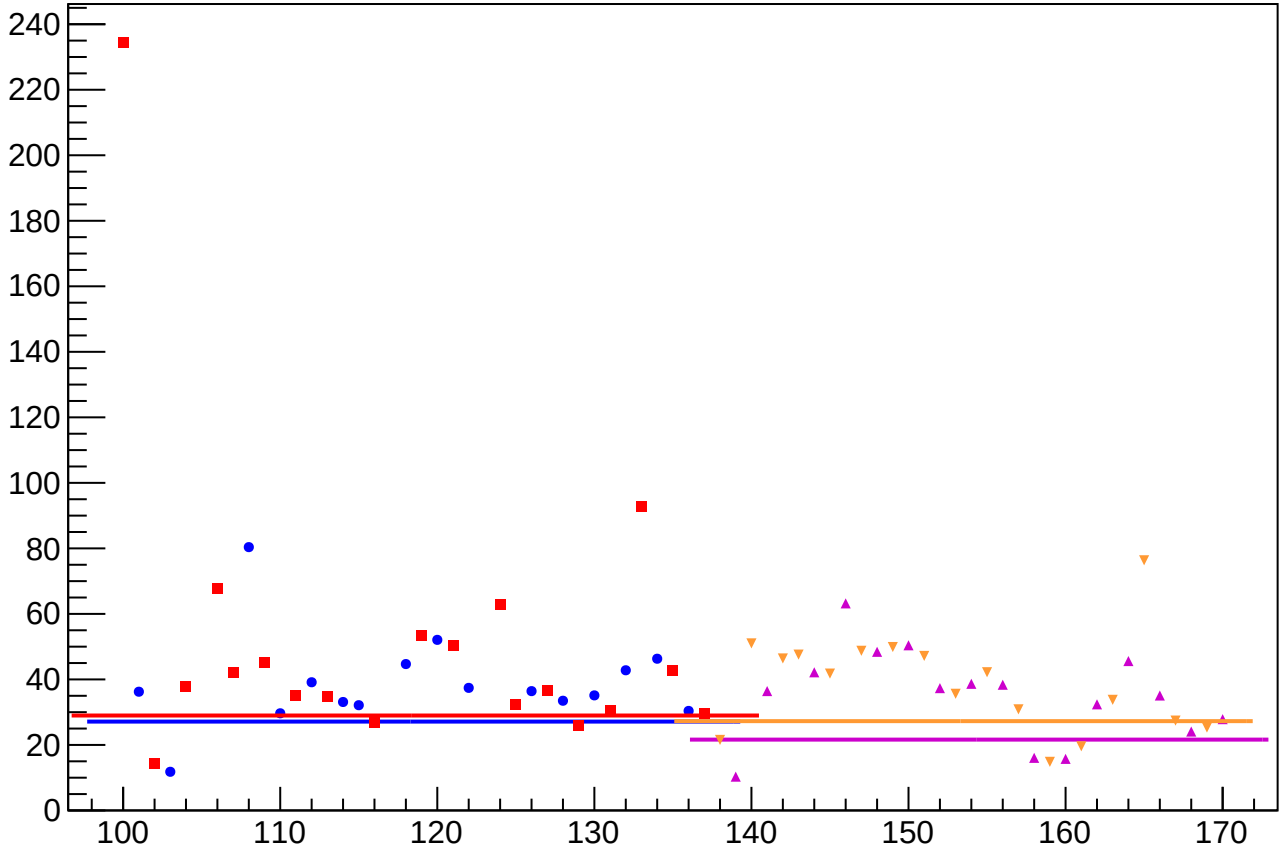
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.005+/-0.007 χ^2/NDF:63.9/35

All: -0.004+/-0.005 χ^2/NDF: 95.0/67

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: 27.264+/-0.006 χ^2/NDF:4048590.2/16

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.626+/-0.005 χ^2/NDF:5681952.7/15

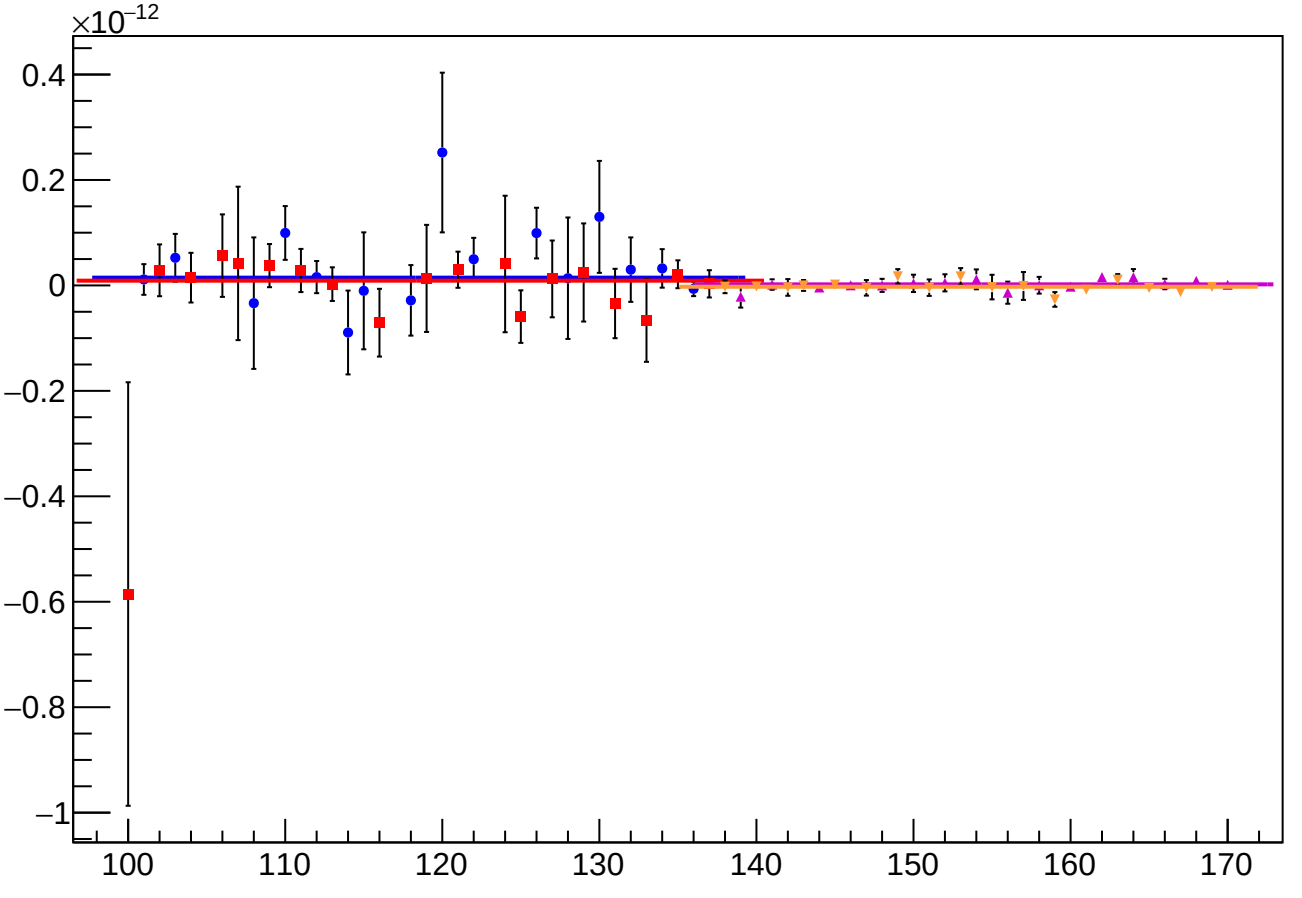
Left: 23.970+/-0.004 χ^2/NDF: 10232150.3/32

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.094+/-0.004 χ^2/NDF:8404088.5/31

Out: 27.808+/-0.005 χ^2/NDF:6529505.0/35

All: 25.135+/-0.003 χ^2/NDF: 15431707.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/15

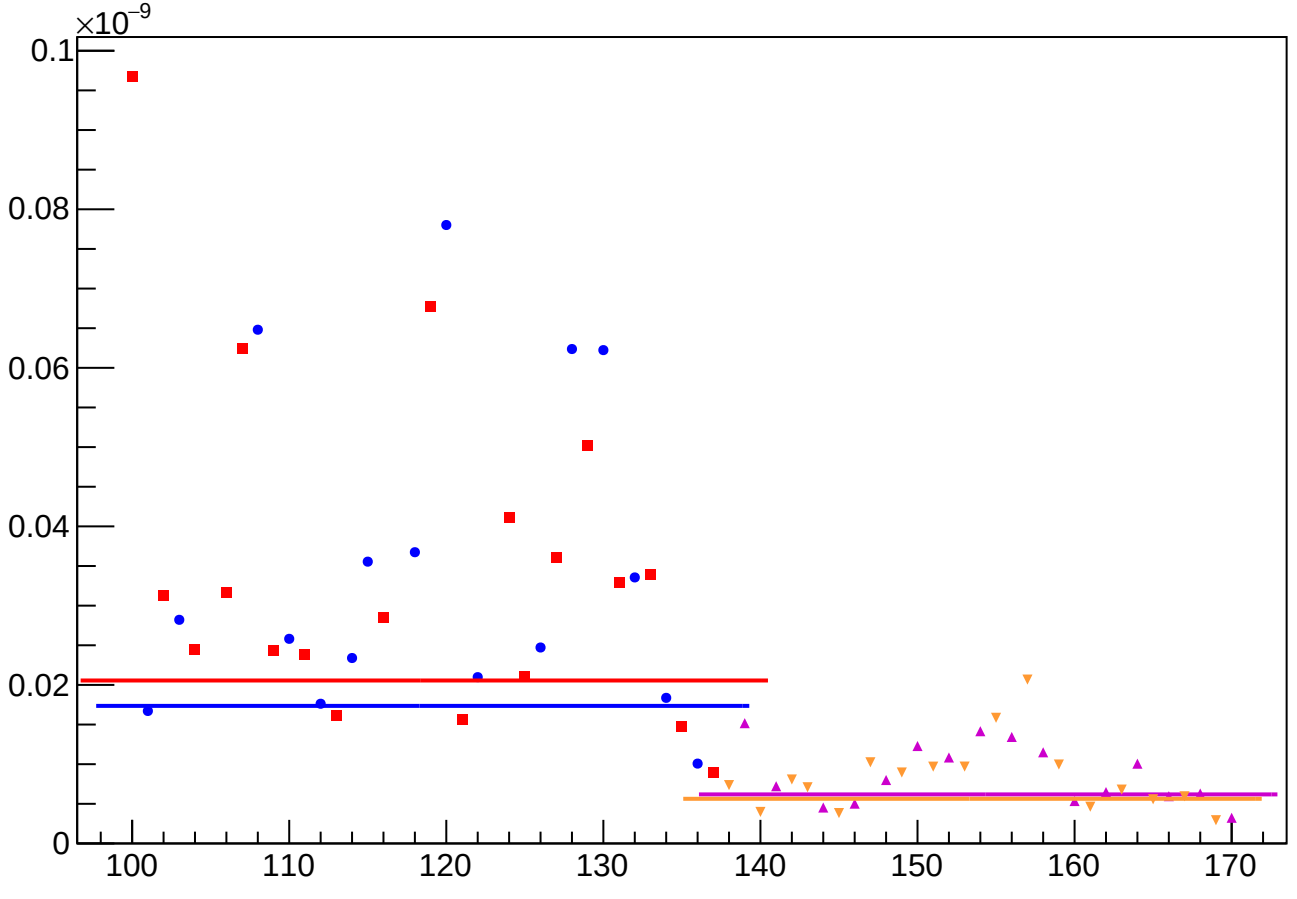
Left: -0.000+/-0.000 χ^2/NDF: 19.1/32

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:24.4/31

Out: -0.000+/-0.000 χ^2/NDF:20.7/35

All: 0.000+/-0.000 χ^2/NDF: 47.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2732518.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2578022.6/15

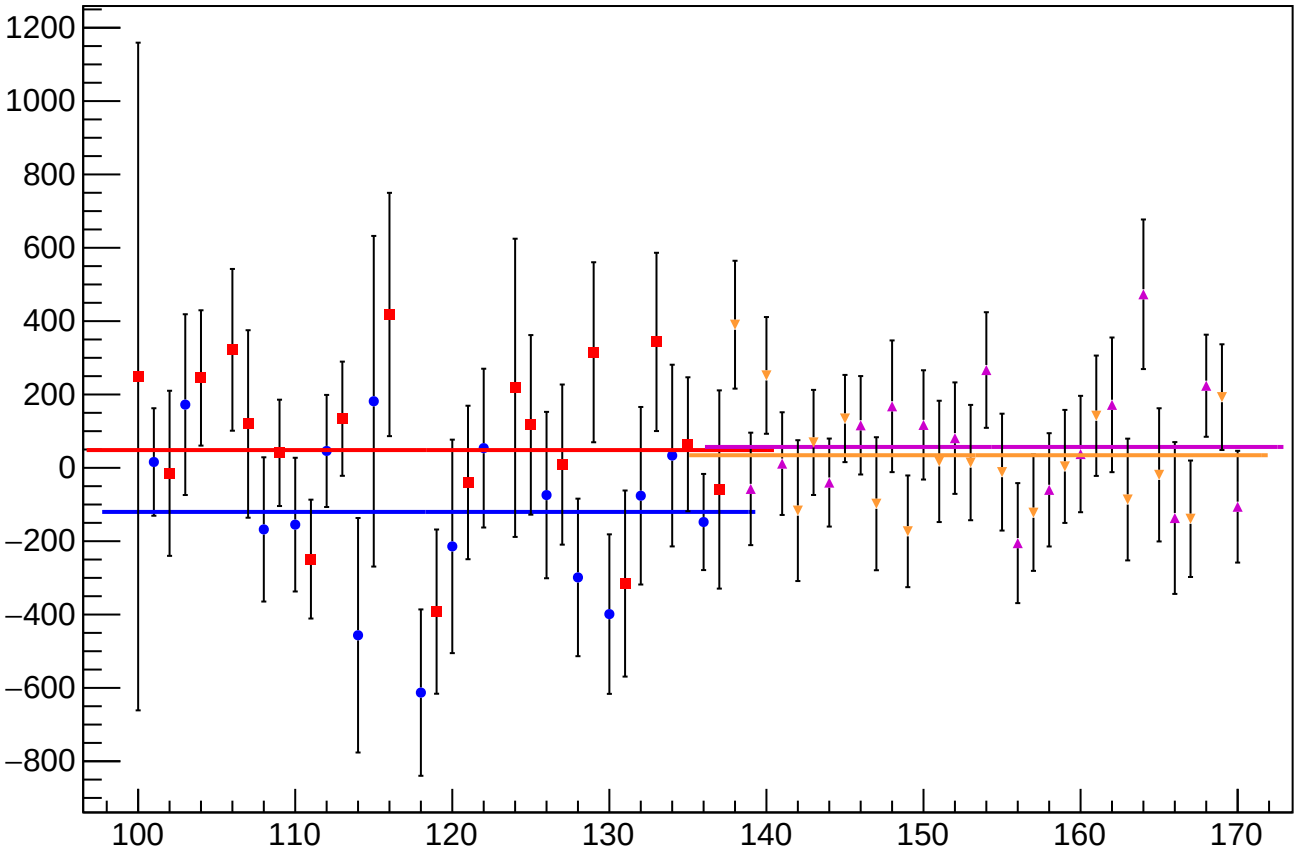
Left: 0.000+/-0.000 χ^2/NDF: 5361605.3/32

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

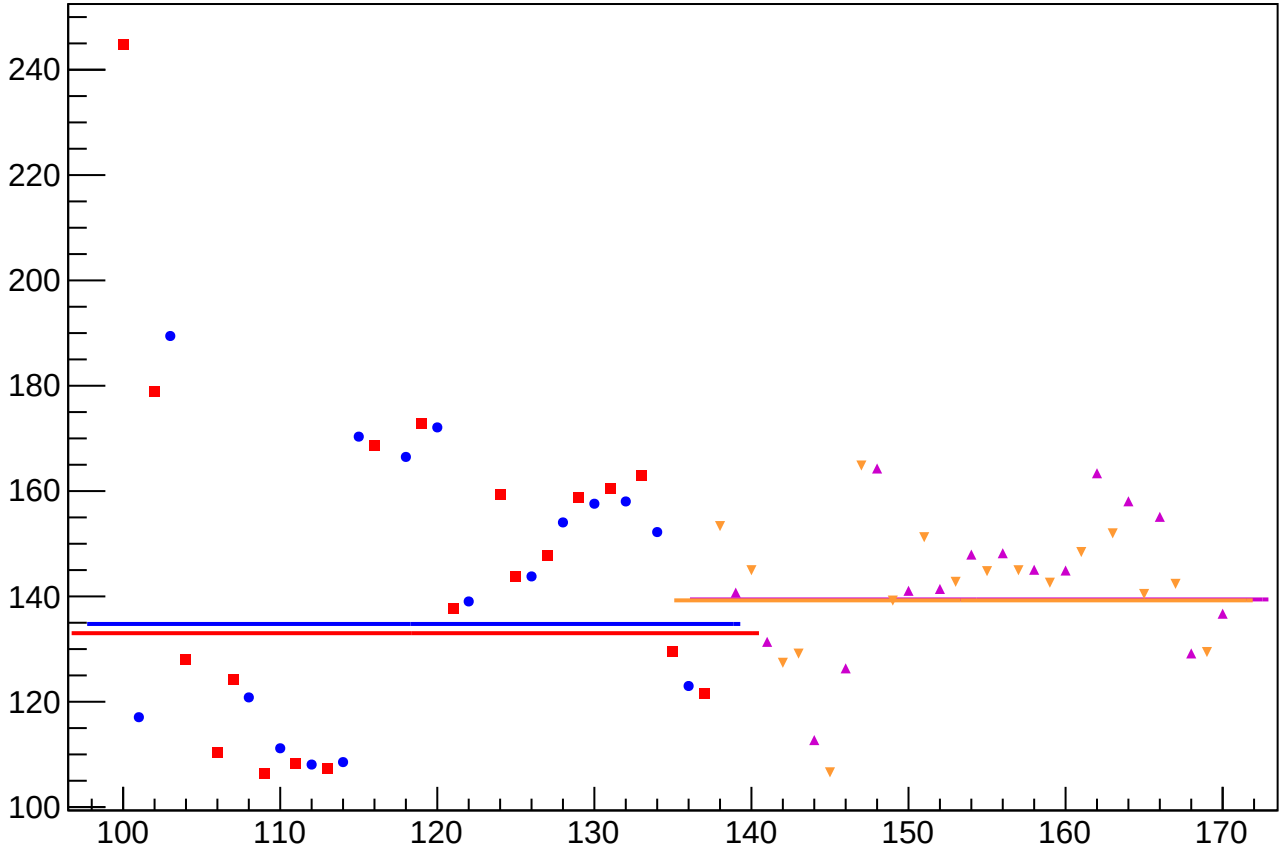
In: 0.000+/-0.000 χ^2/NDF:7625948.0/31

Out: 0.000+/-0.000 χ^2/NDF:8282886.4/35

All: 0.000+/-0.000 χ^2/NDF: 15973808.8/67


reg_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.159+/-51.103 χ²/NDF: 13.4/15
Left Out: 34.405+/-38.282 χ²/NDF:14.4/16
Right Out: 48.449+/-49.910 χ²/NDF: 17.0/18
Left In: 56.985+/-38.664 χ²/NDF:15.0/15
Left: 45.583+/-27.203 χ²/NDF: 29.6/32
Right: -33.863+/-35.706 χ²/NDF: 36.0/34
In: -7.501+/-30.833 χ²/NDF:36.1/31
Out: 39.607+/-30.375 χ²/NDF:31.4/35
All: 16.405+/-21.639 χ²/NDF: 68.7/67

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.252+/-0.027 χ^2/NDF:269590.9/16

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

Left: 139.338+/-0.019 χ^2/NDF: 523760.4/32

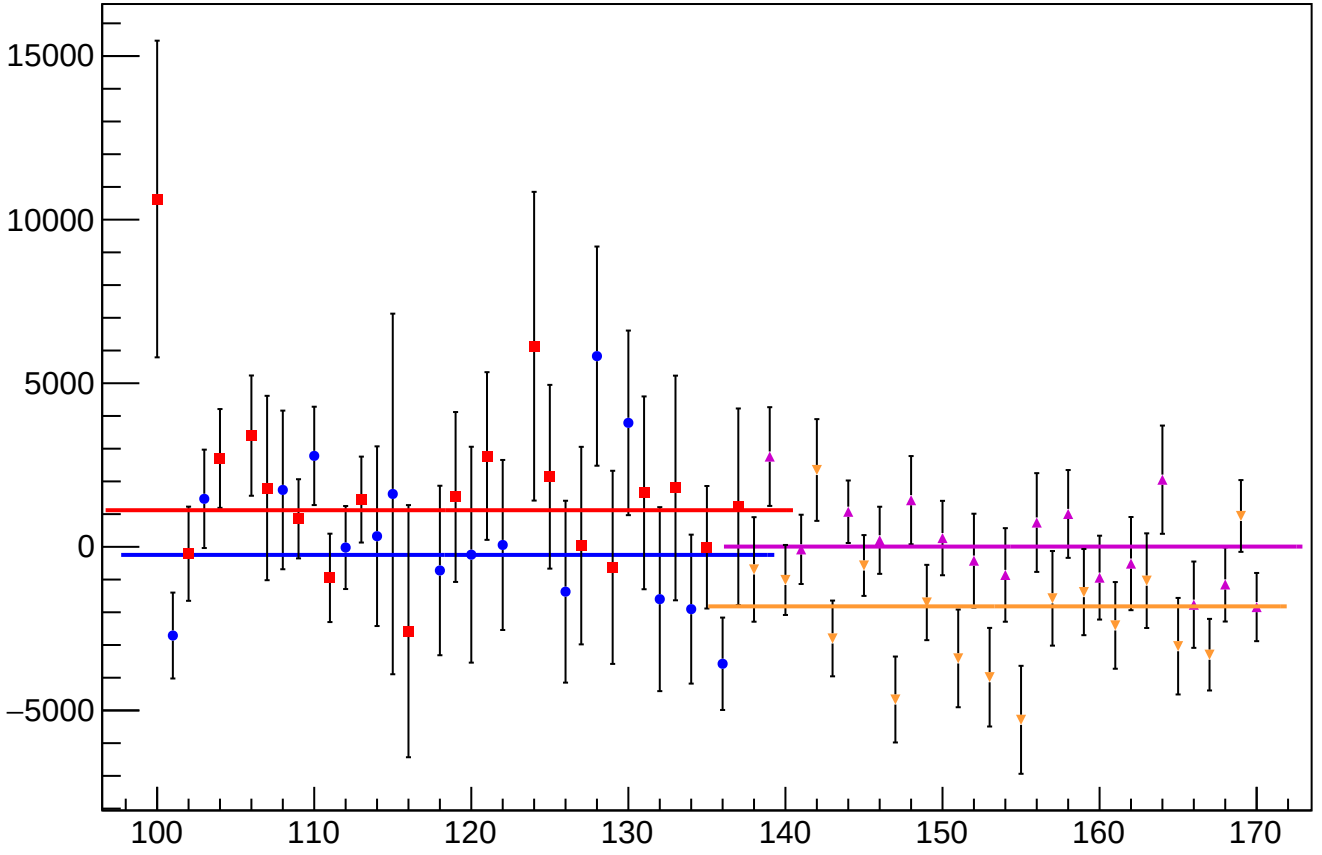
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.732+/-0.022 χ^2/NDF:681481.7/31

Out: 136.943+/-0.021 χ^2/NDF:784943.2/35

All: 137.332+/-0.015 χ^2/NDF: 1467088.5/67

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1819.266+/-310.049 χ^2/NDF:32.6/16

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 7.881+/-309.912 χ^2/NDF:15.2/15

Left: -905.290+/-219.189 χ^2/NDF: 65.2/32

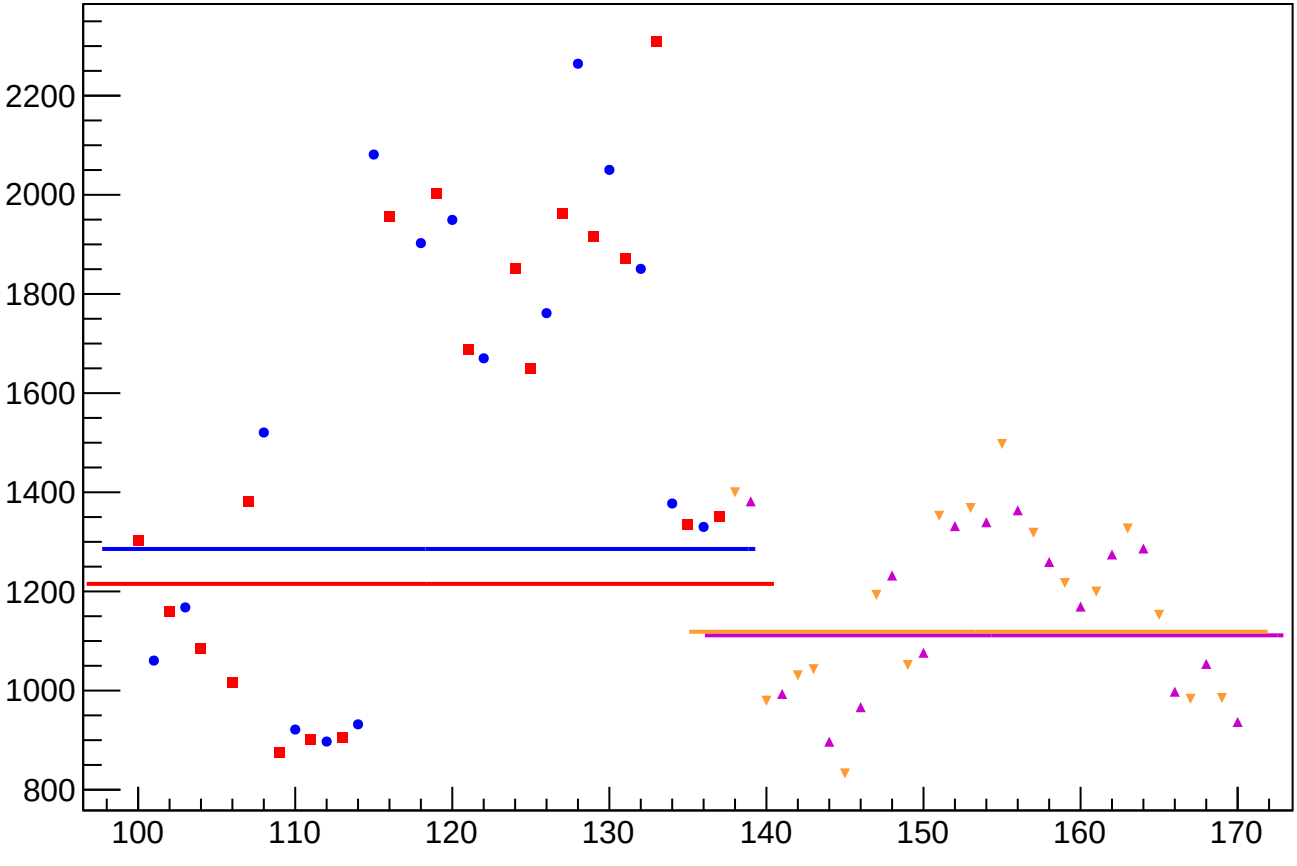
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: -62.396+/-263.622 χ^2/NDF:37.0/31

Out: -923.952+/-258.540 χ^2/NDF:73.3/35

All: -501.559+/-184.586 χ^2/NDF: 115.8/67

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1118.719+/-0.219 χ^2/NDF:681890.5/16

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1111.486+/-0.219 χ^2/NDF:555153.3/15

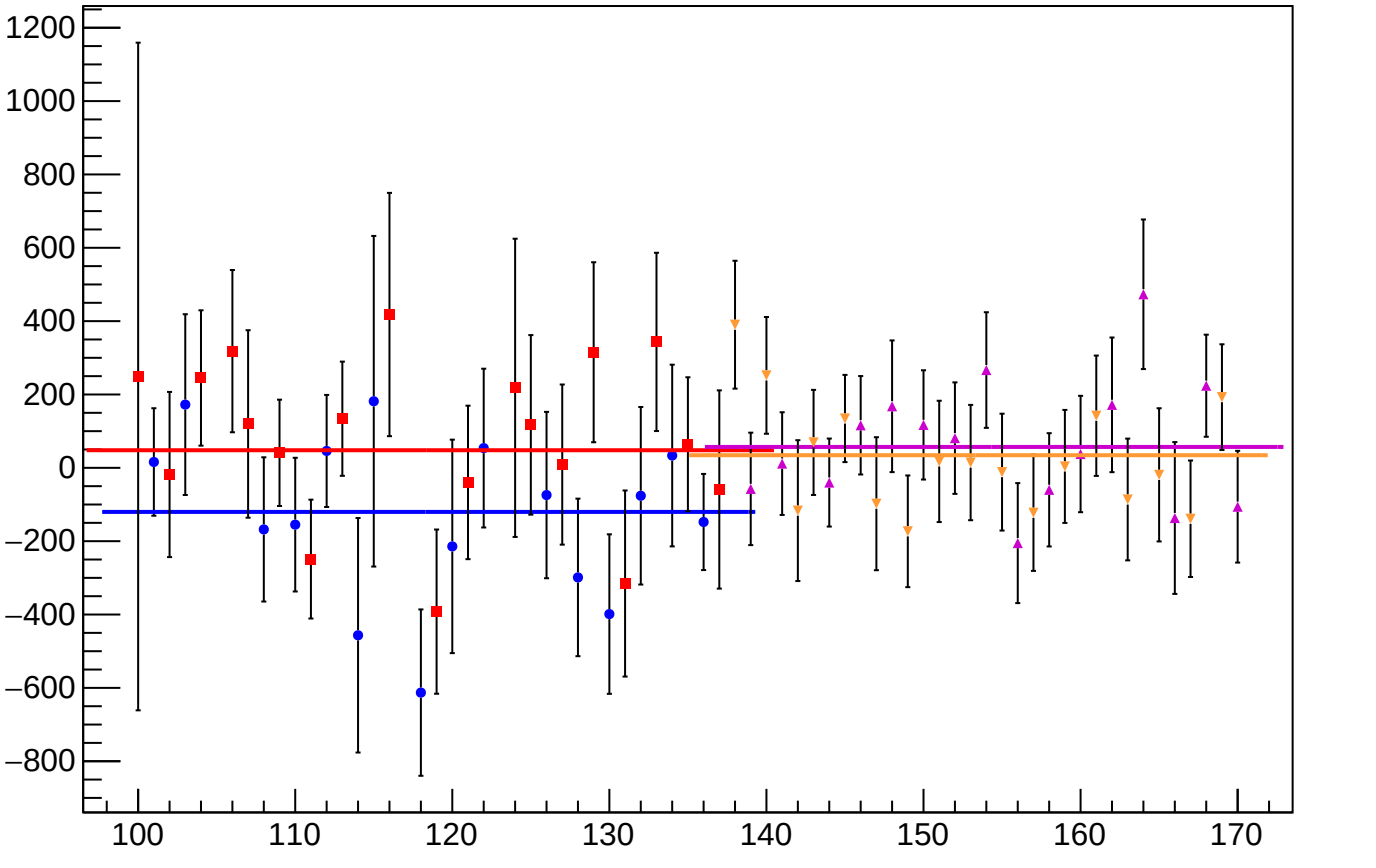
Left: 1115.101+/-0.155 χ^2/NDF: 1237588.2/32

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1159.634+/-0.186 χ^2/NDF:1900224.5/31

Out: 1148.125+/-0.183 χ^2/NDF:2127229.5/35

All: 1153.767+/-0.131 χ^2/NDF: 4029397.2/67


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
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−200
−400
−600
−800
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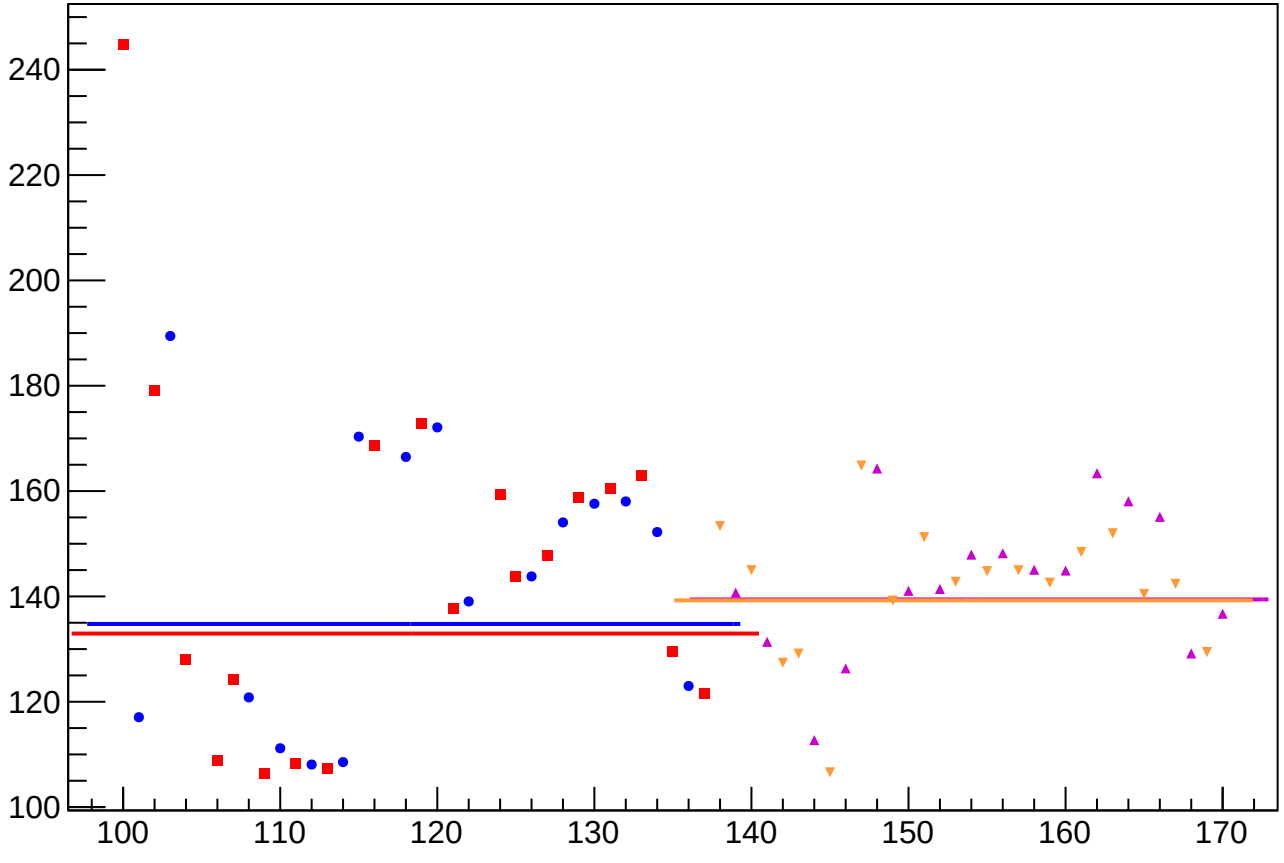
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 34.411+/-38.282 χ²/NDF:14.4/16
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 56.983+/-38.664 χ²/NDF:15.0/15
Left: 45.585+/-27.203 χ²/NDF: 29.6/32
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -7.506+/-30.833 χ²/NDF:36.1/31
Out: 39.448+/-30.377 χ²/NDF:31.4/35
All: 16.320+/-21.639 χ²/NDF: 68.6/67

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.252+/-0.027 χ^2/NDF:269590.9/16

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

Left: 139.338+/-0.019 χ^2/NDF: 523760.4/32

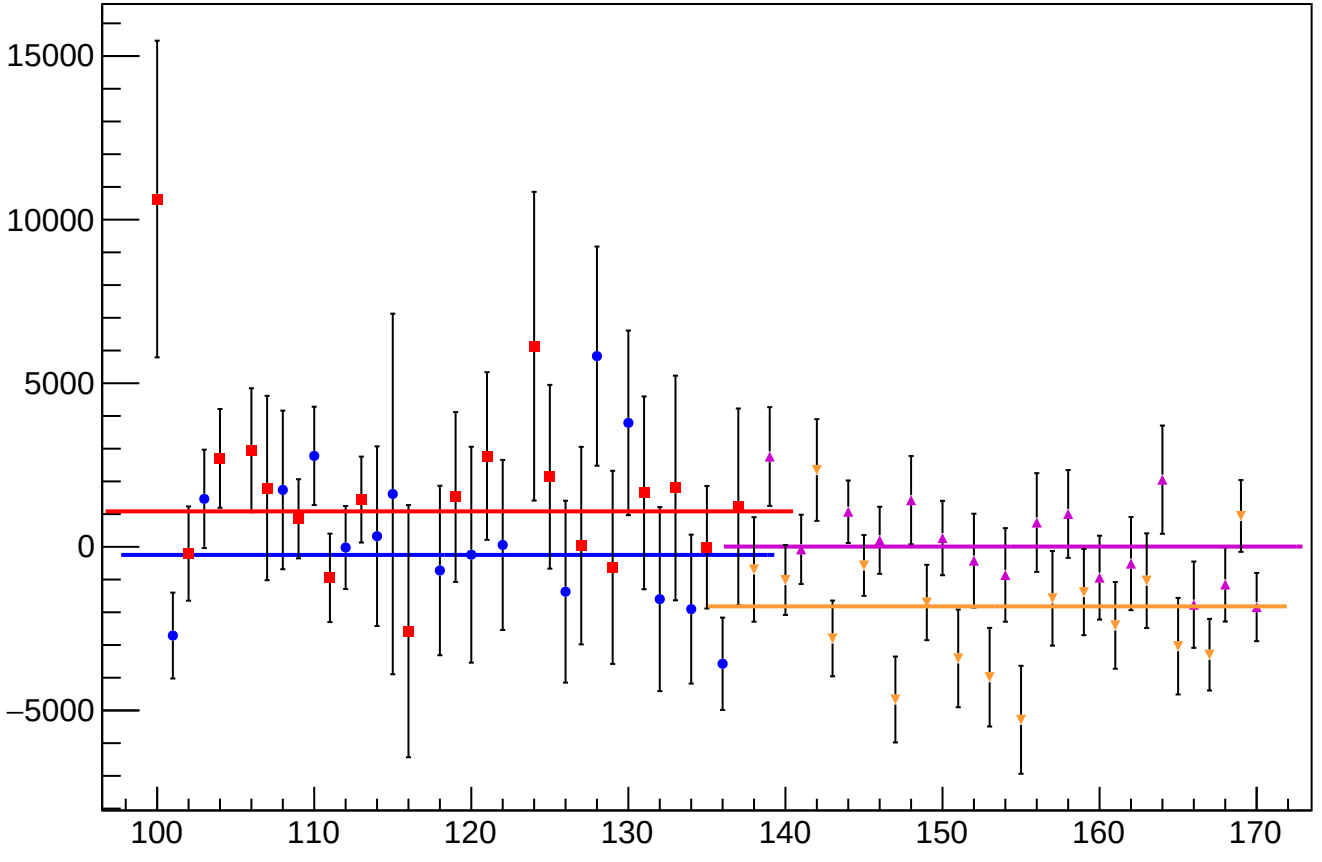
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.732+/-0.022 χ^2/NDF:681484.7/31

Out: 136.917+/-0.021 χ^2/NDF:788530.9/35

All: 137.318+/-0.015 χ^2/NDF: 1470724.0/67

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1819.257+/-310.049 χ^2/NDF:32.6/16

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 7.889+/-309.913 χ^2/NDF:15.2/15

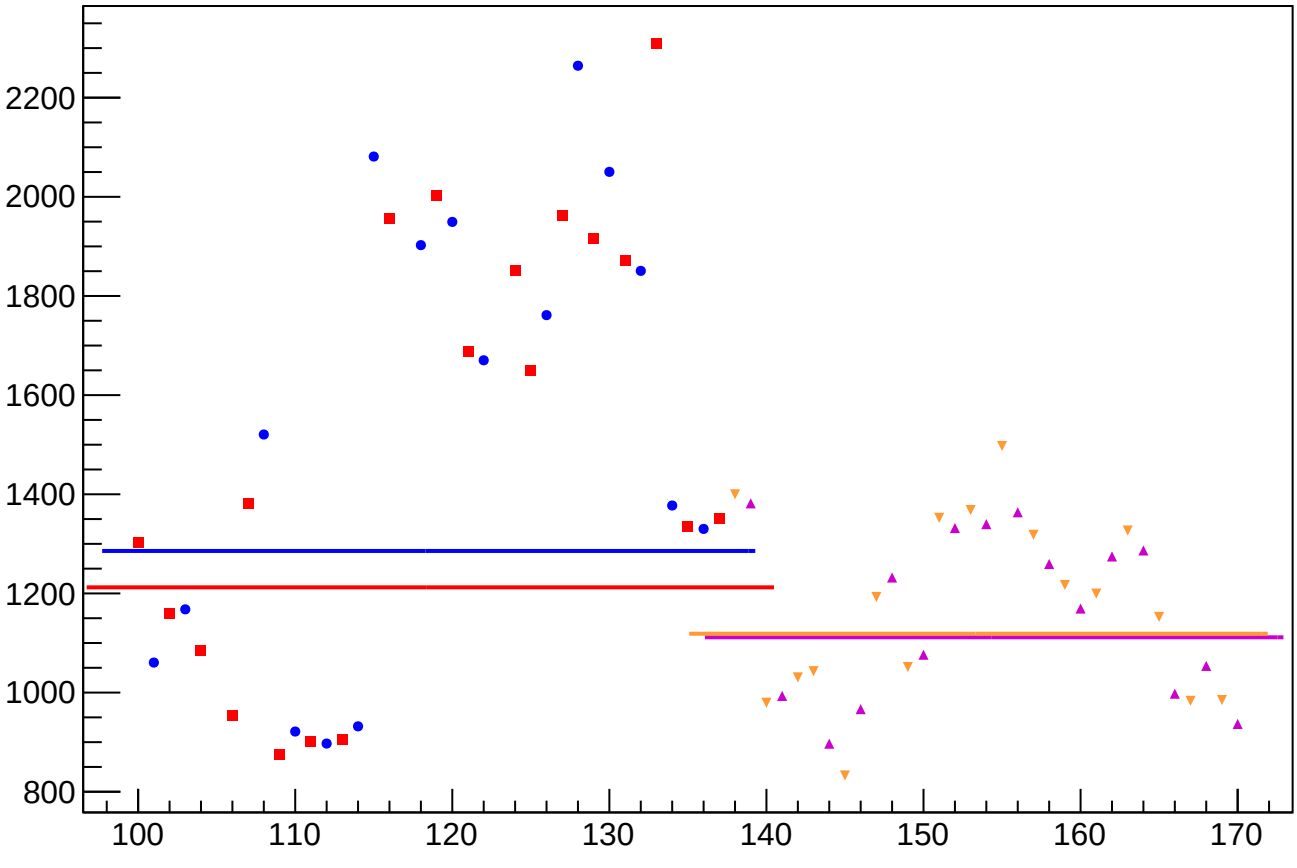
Left: -905.282+/-219.189 χ^2/NDF: 65.2/32

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -62.409+/-263.623 χ^2/NDF:37.0/31

Out: -937.131+/-258.695 χ^2/NDF:72.0/35

All: -508.022+/-184.643 χ^2/NDF: 114.6/67



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1118.719+/-0.219 χ^2/NDF:681891.8/16

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1111.487+/-0.219 χ^2/NDF:555151.1/15

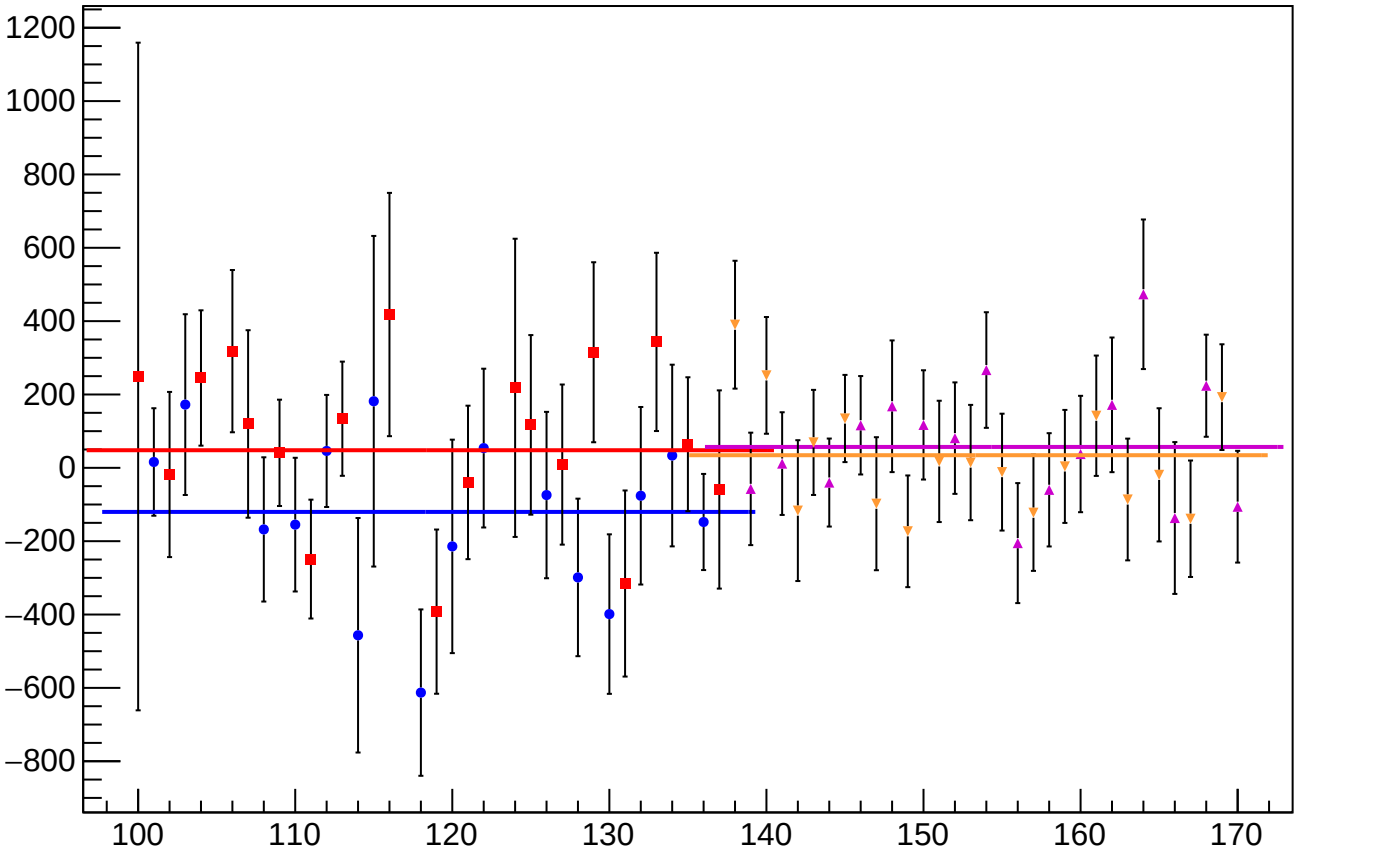
Left: 1115.101+/-0.155 χ^2/NDF: 1237587.2/32

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1159.637+/-0.186 χ^2/NDF:1900221.5/31

Out: 1147.144+/-0.183 χ^2/NDF:2137856.1/35

All: 1153.273+/-0.131 χ^2/NDF: 4040365.8/67


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
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−200
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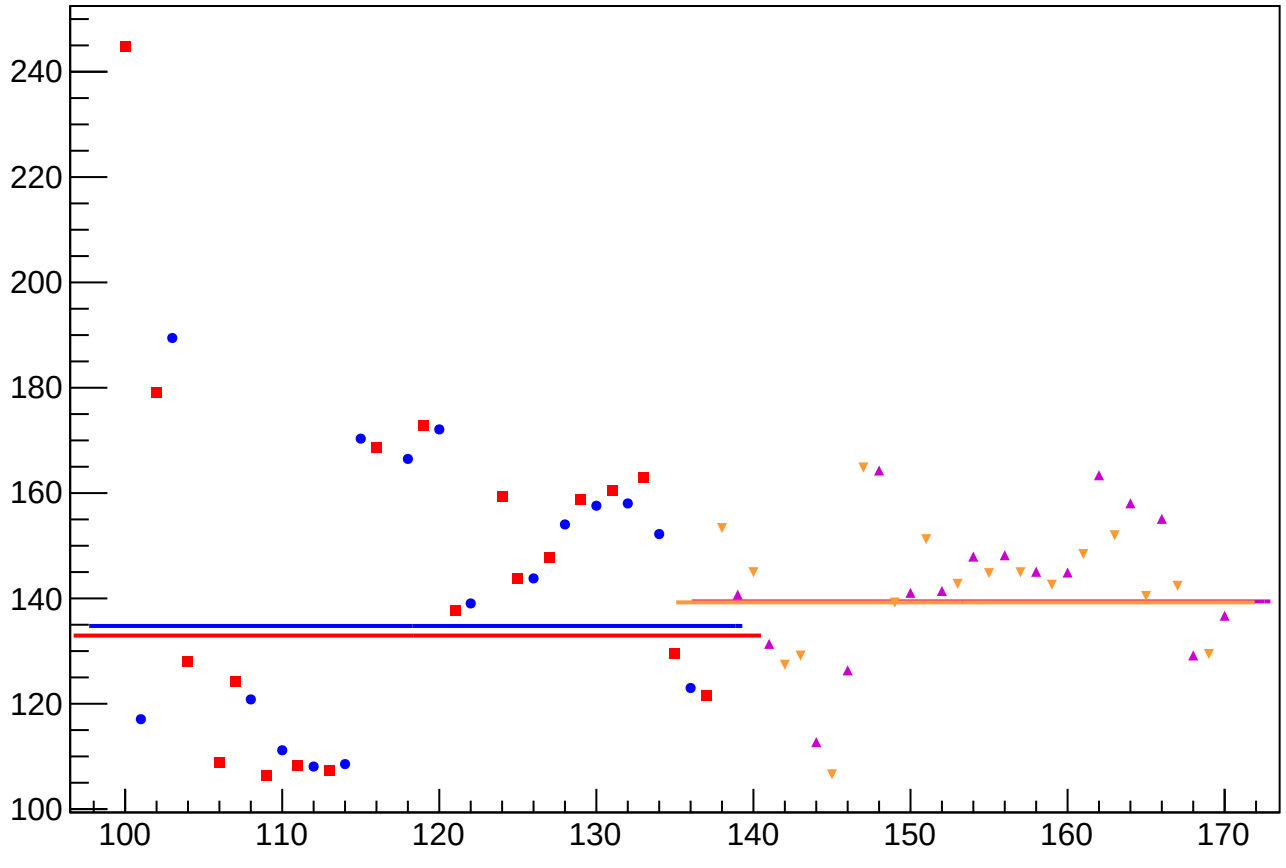
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 34.411+/-38.282 χ²/NDF:14.4/16
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 56.983+/-38.664 χ²/NDF:15.0/15
Left: 45.585+/-27.203 χ²/NDF: 29.6/32
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -7.506+/-30.833 χ²/NDF:36.1/31
Out: 39.448+/-30.377 χ²/NDF:31.4/35
All: 16.320+/-21.639 χ²/NDF: 68.6/67



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.252+/-0.027 χ^2/NDF:269590.9/16

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

Left: 139.338+/-0.019 χ^2/NDF: 523760.4/32

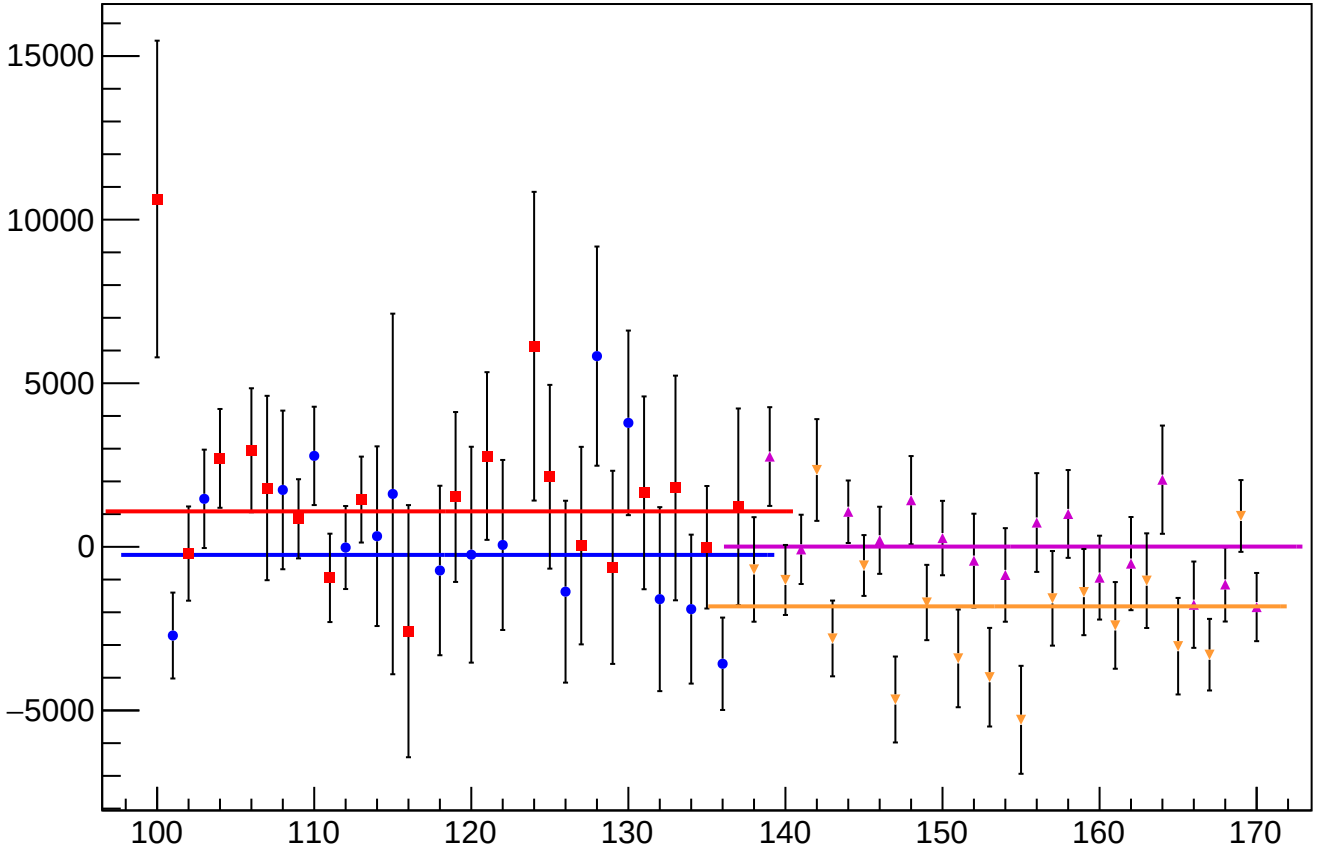
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.732+/-0.022 χ^2/NDF:681484.7/31

Out: 136.917+/-0.021 χ^2/NDF:788530.9/35

All: 137.318+/-0.015 χ^2/NDF: 1470724.0/67

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1819.257+/-310.049 χ^2/NDF:32.6/16

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 7.889+/-309.913 χ^2/NDF:15.2/15

Left: -905.282+/-219.189 χ^2/NDF: 65.2/32

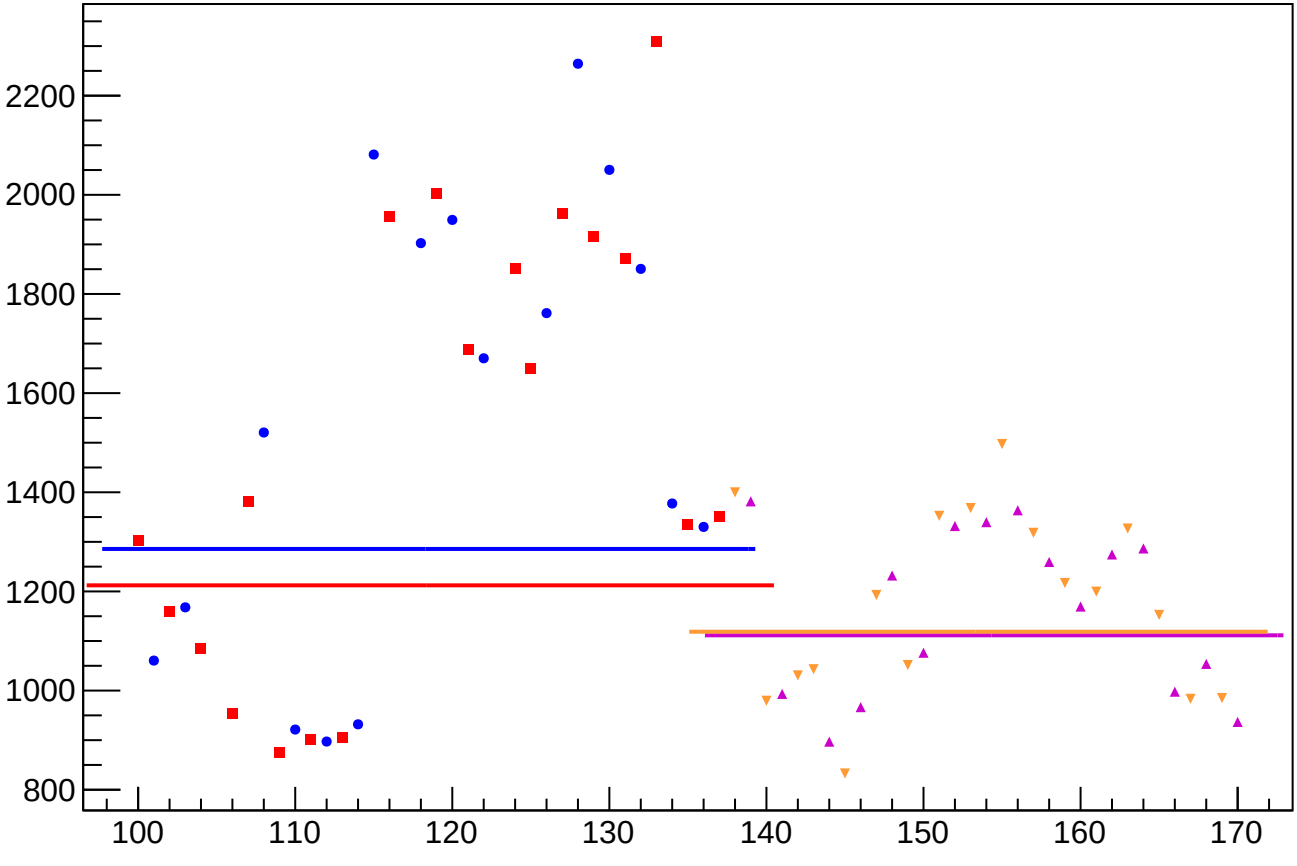
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -62.409+/-263.623 χ^2/NDF:37.0/31

Out: -937.131+/-258.695 χ^2/NDF:72.0/35

All: -508.022+/-184.643 χ^2/NDF: 114.6/67

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1118.719+/-0.219 χ^2/NDF:681891.8/16

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1111.487+/-0.219 χ^2/NDF:555151.1/15

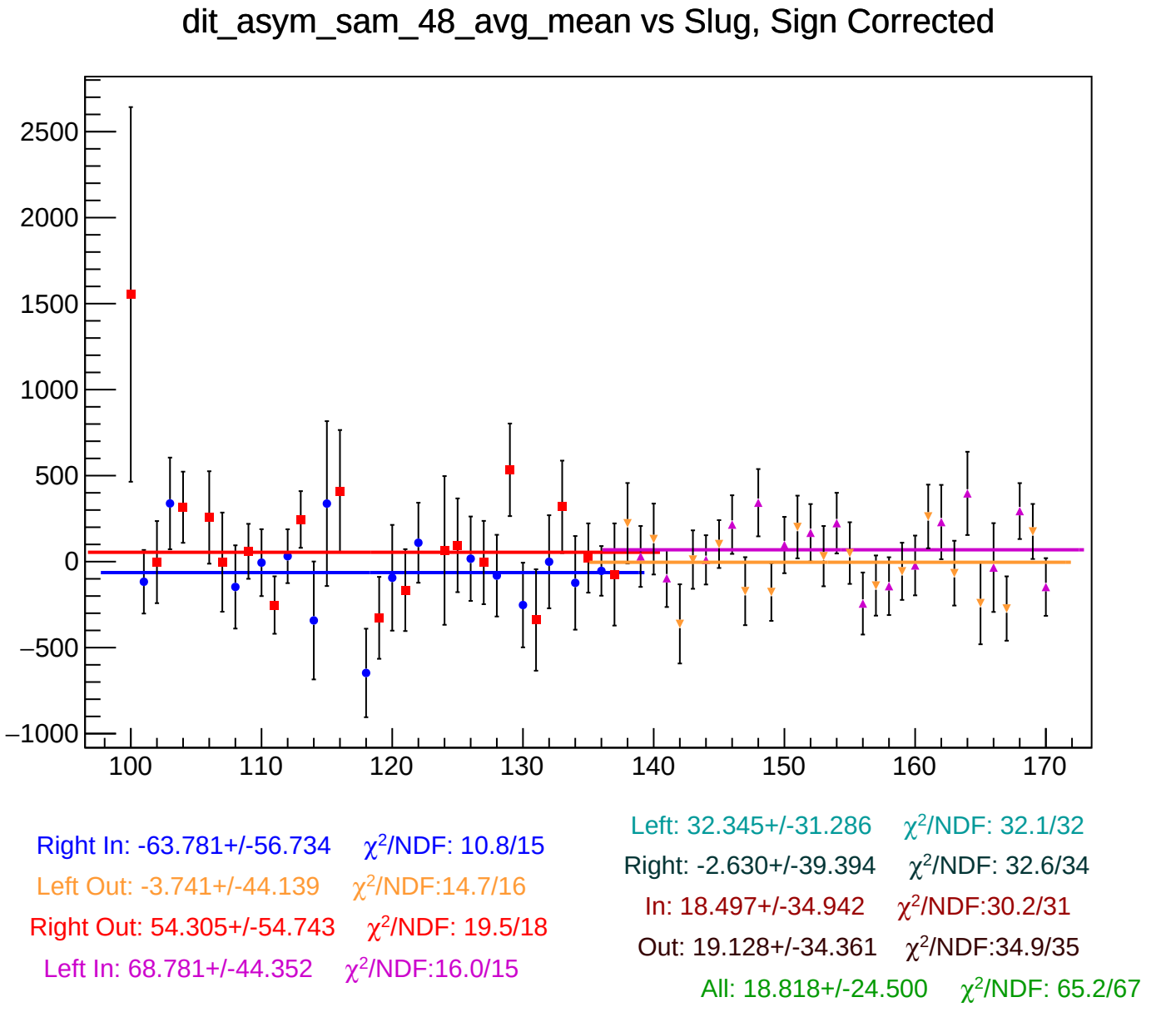
Left: 1115.101+/-0.155 χ^2/NDF: 1237587.2/32

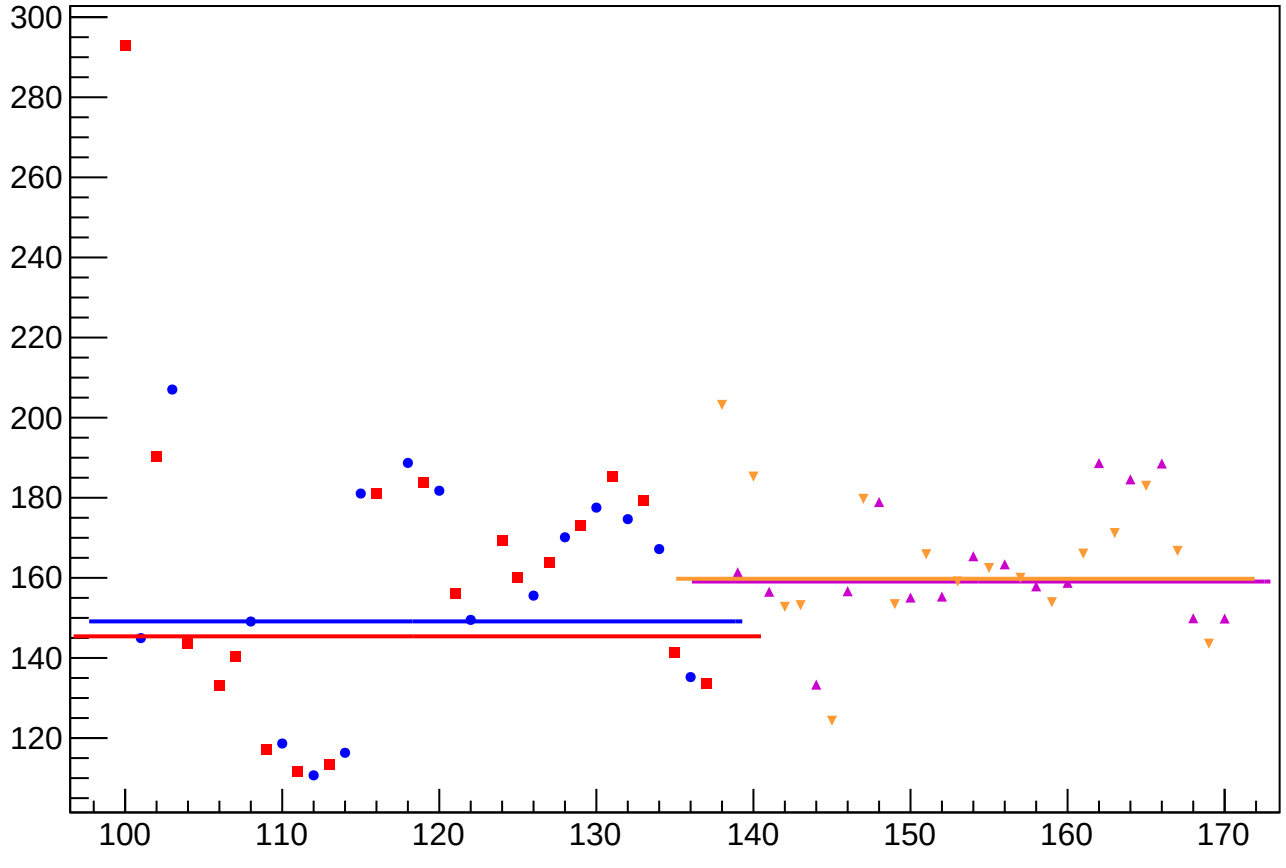
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

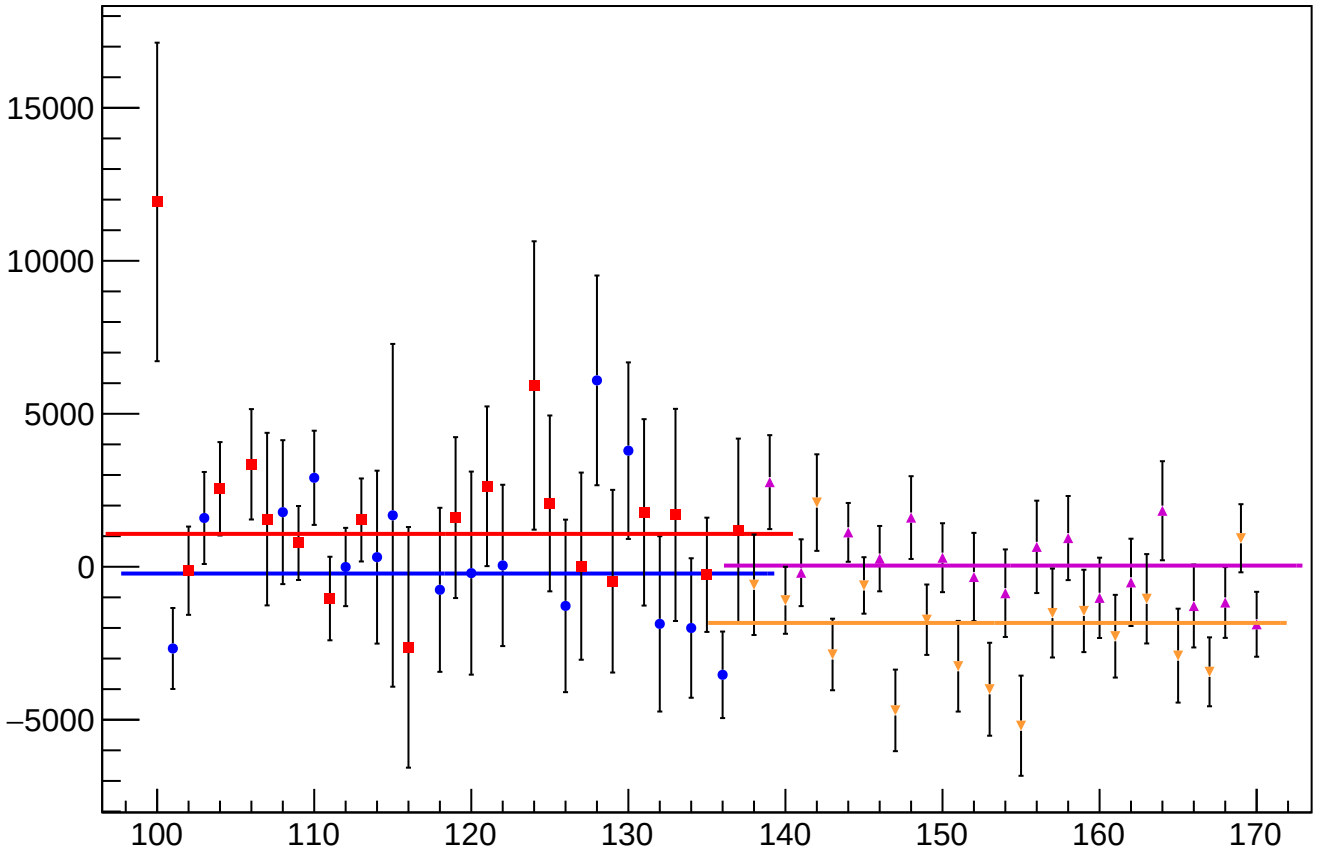
In: 1159.637+/-0.186 χ^2/NDF:1900221.5/31

Out: 1147.144+/-0.183 χ^2/NDF:2137856.1/35

All: 1153.273+/-0.131 χ^2/NDF: 4040365.8/67


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: -3.741+/-44.139 χ²/NDF:14.7/16
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 68.781+/-44.352 χ²/NDF:16.0/15
Left: 32.345+/-31.286 χ²/NDF: 32.1/32
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 18.497+/-34.942 χ²/NDF:30.2/31
Out: 19.128+/-34.361 χ²/NDF:34.9/35
All: 18.818+/-24.500 χ²/NDF: 65.2/67


dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
170
Right In: 149.130+/-0.040 χ²/NDF: 451003.6/15
Left Out: 159.774+/-0.031 χ²/NDF:314420.2/16
Right Out: 145.399+/-0.039 χ²/NDF: 525820.0/18
Left In: 159.084+/-0.031 χ²/NDF:190610.5/15
Left: 159.431+/-0.022 χ²/NDF: 505274.1/32
Right: 147.198+/-0.028 χ²/NDF: 981303.1/34
In: 155.308+/-0.025 χ²/NDF:679823.9/31
Out: 154.111+/-0.024 χ²/NDF:923817.8/35
All: 154.699+/-0.017 χ²/NDF: 1604835.9/67



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1835.765+/-313.845 χ^2/NDF:30.8/16

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 38.441+/-314.230 χ^2/NDF:14.3/15

Left: -899.811+/-222.058 χ^2/NDF: 62.9/32

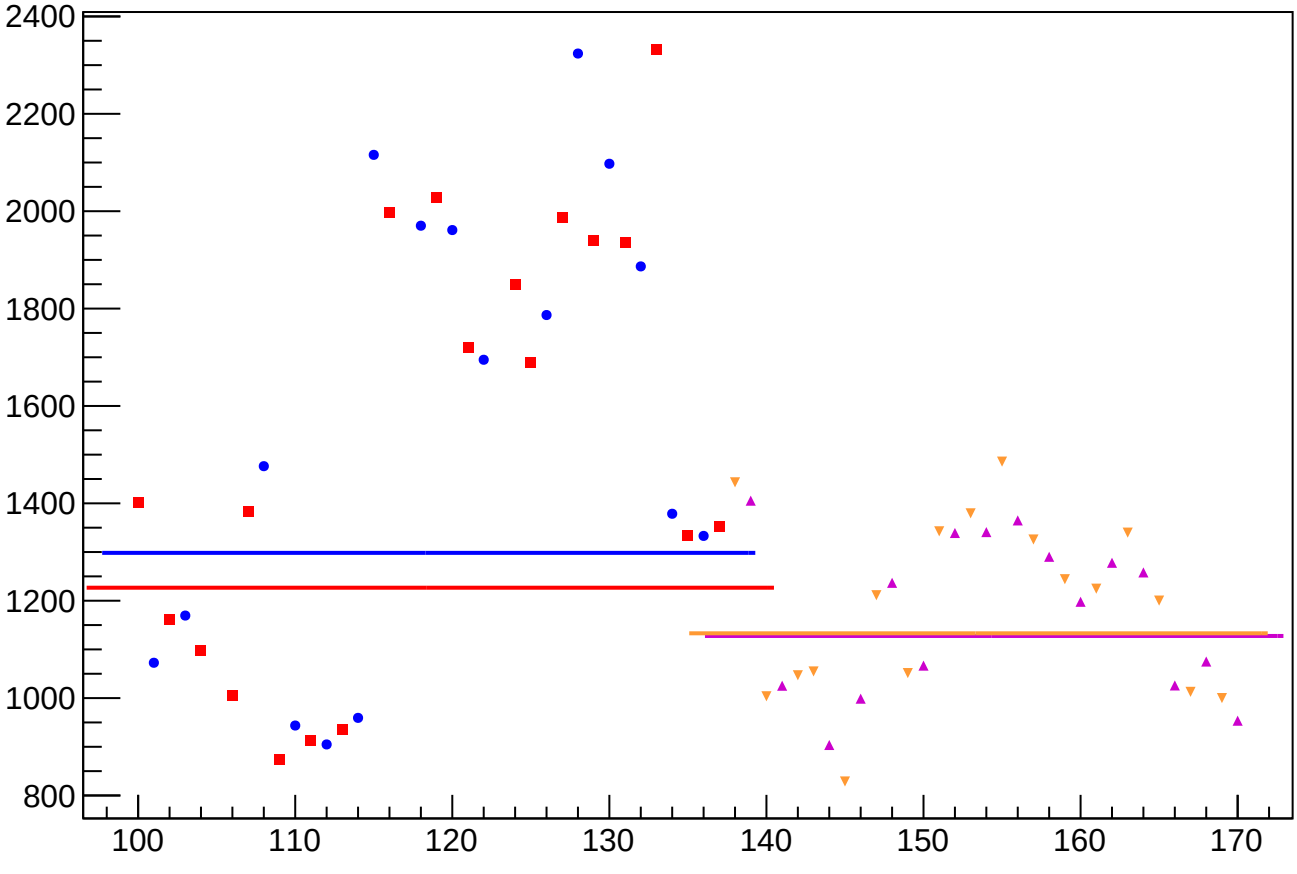
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: -33.791+/-266.974 χ^2/NDF:36.4/31

Out: -945.694+/-261.483 χ^2/NDF:70.7/35

All: -499.217+/-186.808 χ^2/NDF: 113.0/67

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1133.073+/-0.222 χ^2/NDF:687287.1/16

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1127.617+/-0.222 χ^2/NDF:514544.4/15

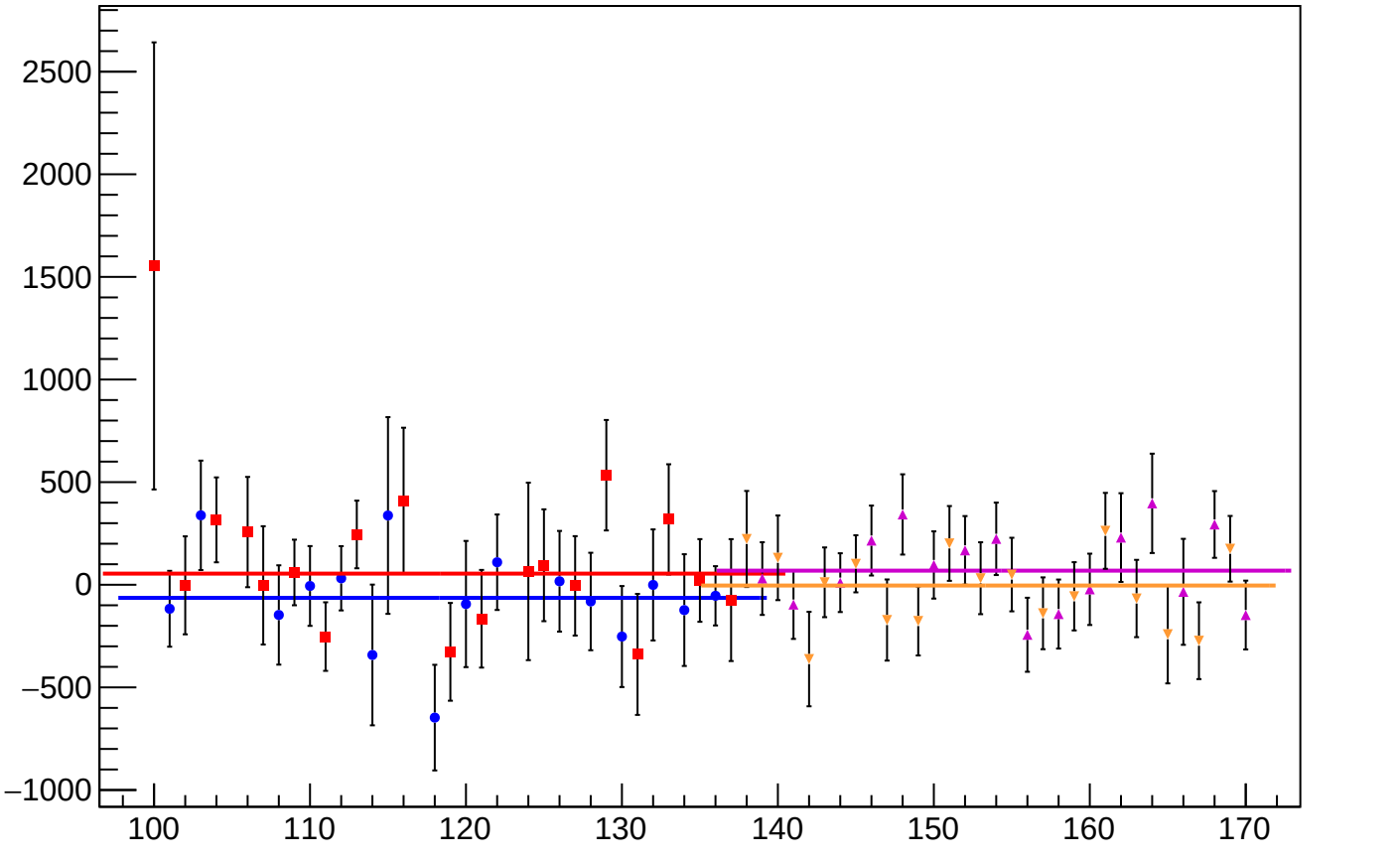
Left: 1130.349+/-0.157 χ^2/NDF: 1202133.3/32

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1175.092+/-0.189 χ^2/NDF:1860790.0/31

Out: 1161.717+/-0.185 χ^2/NDF:2146279.9/35

All: 1168.266+/-0.132 χ^2/NDF: 4009632.0/67


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
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−500
−1000
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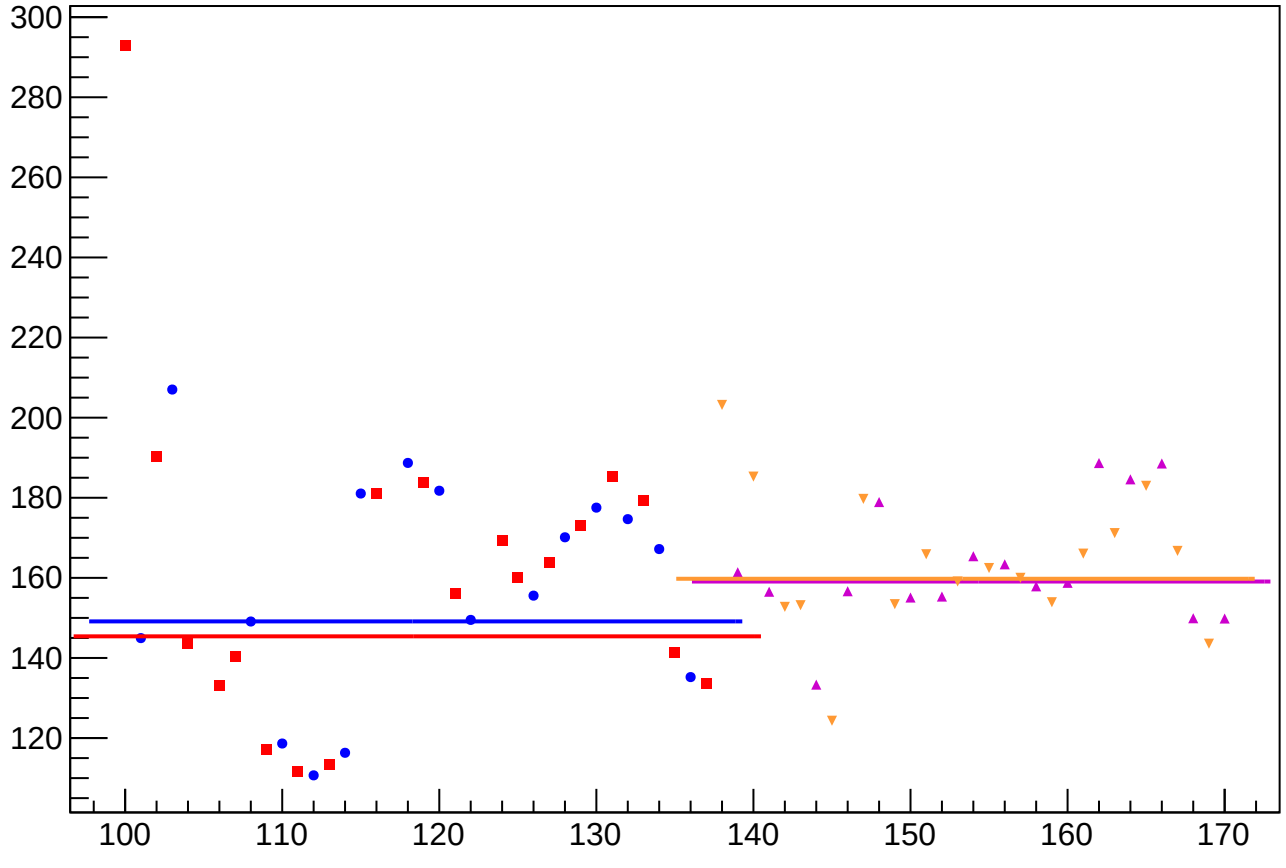
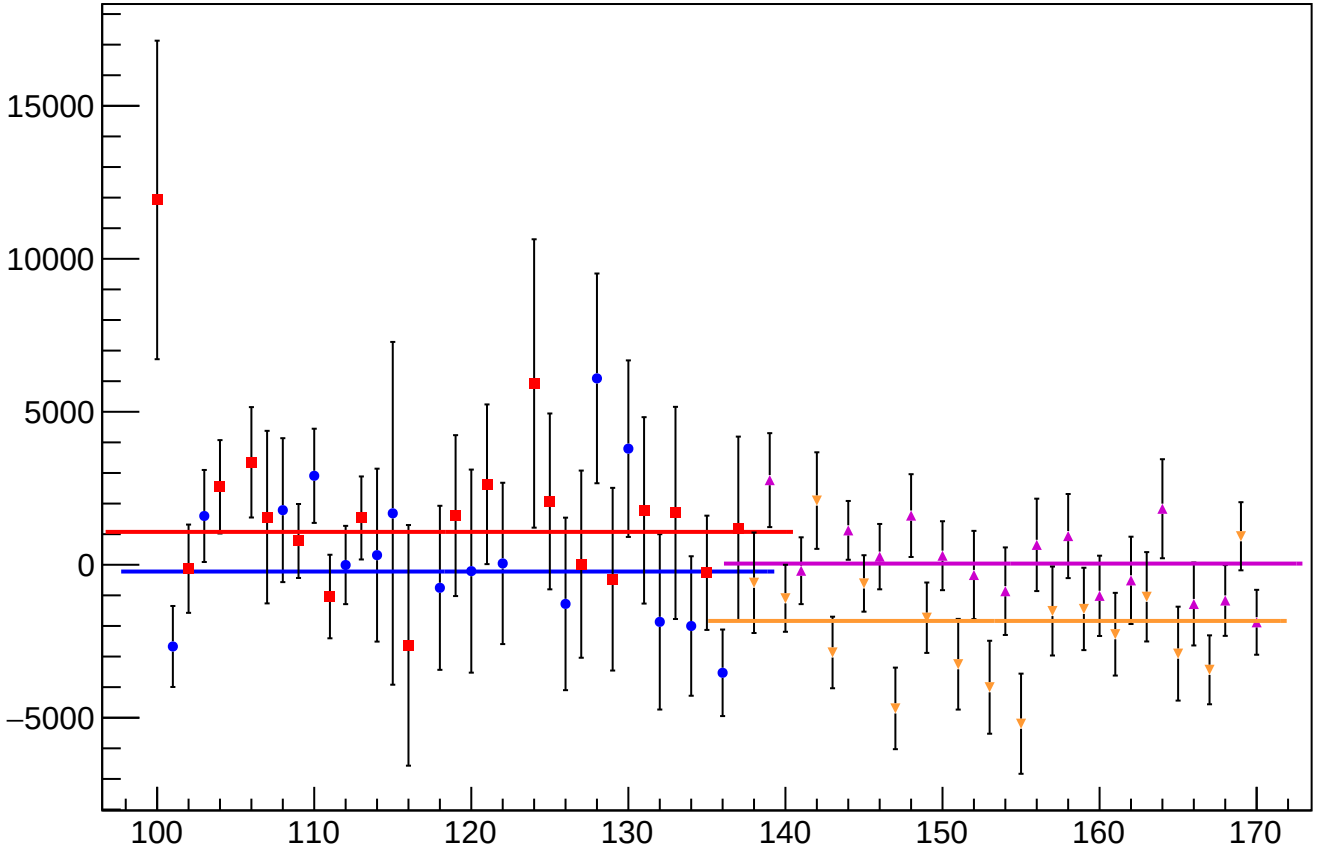
110
120
130
140
150
160
170
Right In: -63.778+/-56.734 χ²/NDF: 10.8/15
Left Out: -3.738+/-44.139 χ²/NDF:14.7/16
Right Out: 54.304+/-54.743 χ²/NDF: 19.5/18
Left In: 68.781+/-44.352 χ²/NDF:16.0/15
Left: 32.347+/-31.286 χ²/NDF: 32.1/32
Right: -2.629+/-39.394 χ²/NDF: 32.6/34
In: 18.498+/-34.942 χ²/NDF:30.2/31
Out: 19.129+/-34.361 χ²/NDF:34.9/35
All: 18.819+/-24.500 χ²/NDF: 65.2/67


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
170
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 159.775+/-0.031 χ²/NDF:314415.3/16
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 159.084+/-0.031 χ²/NDF:190609.6/15
Left: 159.431+/-0.022 χ²/NDF: 505268.5/32
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 155.308+/-0.025 χ²/NDF:679826.6/31
Out: 154.111+/-0.024 χ²/NDF:923819.6/35
All: 154.700+/-0.017 χ²/NDF: 1604840.3/67

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: -1835.760+/-313.845 χ^2/NDF:30.8/16

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 38.440+/-314.230 χ^2/NDF:14.3/15

Left: -899.810+/-222.058 χ^2/NDF: 62.9/32

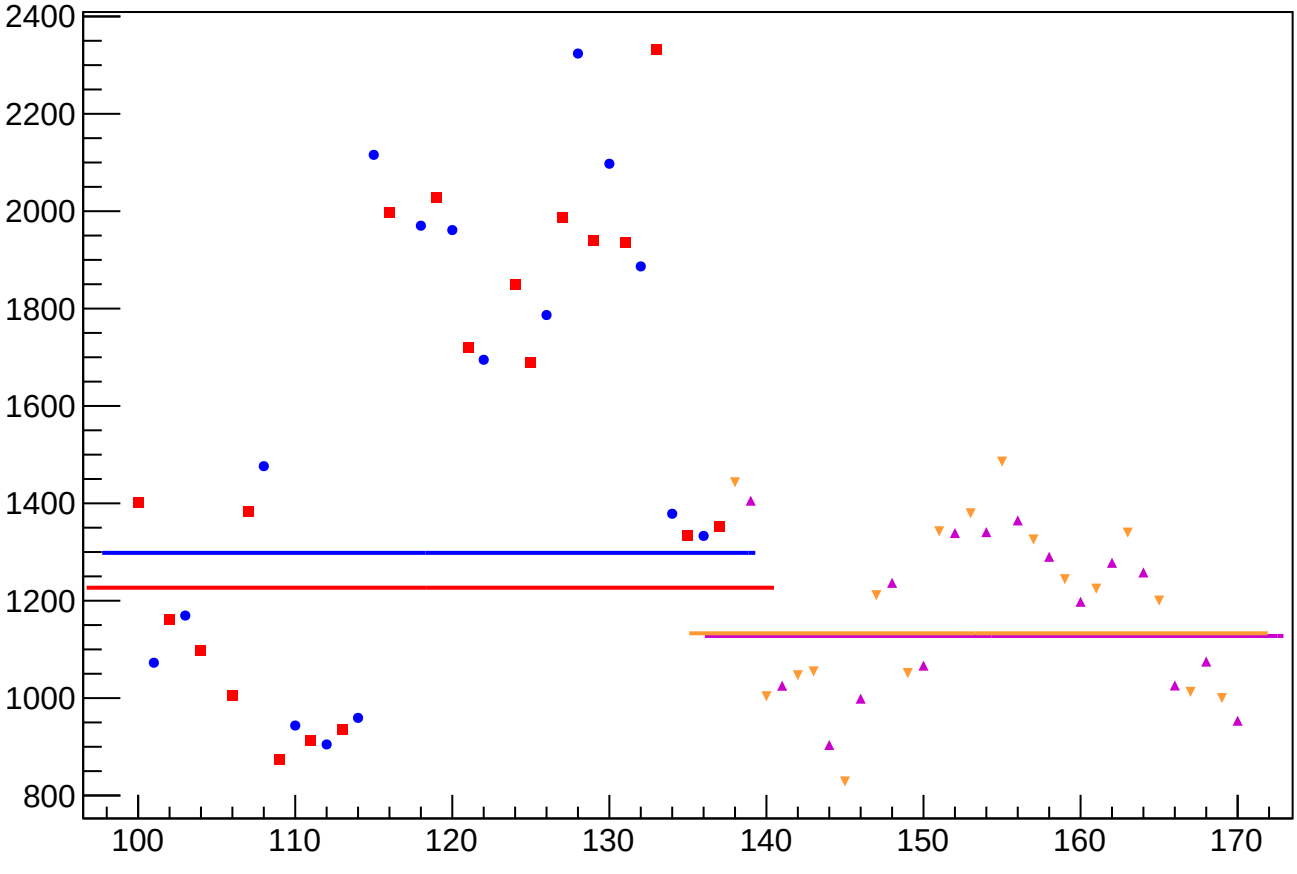
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: -33.792+/-266.974 χ^2/NDF:36.4/31

Out: -945.692+/-261.483 χ^2/NDF:70.7/35

All: -499.217+/-186.807 χ^2/NDF: 113.0/67

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1133.071+/-0.222 χ^2/NDF:687292.4/16

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1127.616+/-0.222 χ^2/NDF:514545.5/15

Left: 1130.347+/-0.157 χ^2/NDF: 1202139.7/32

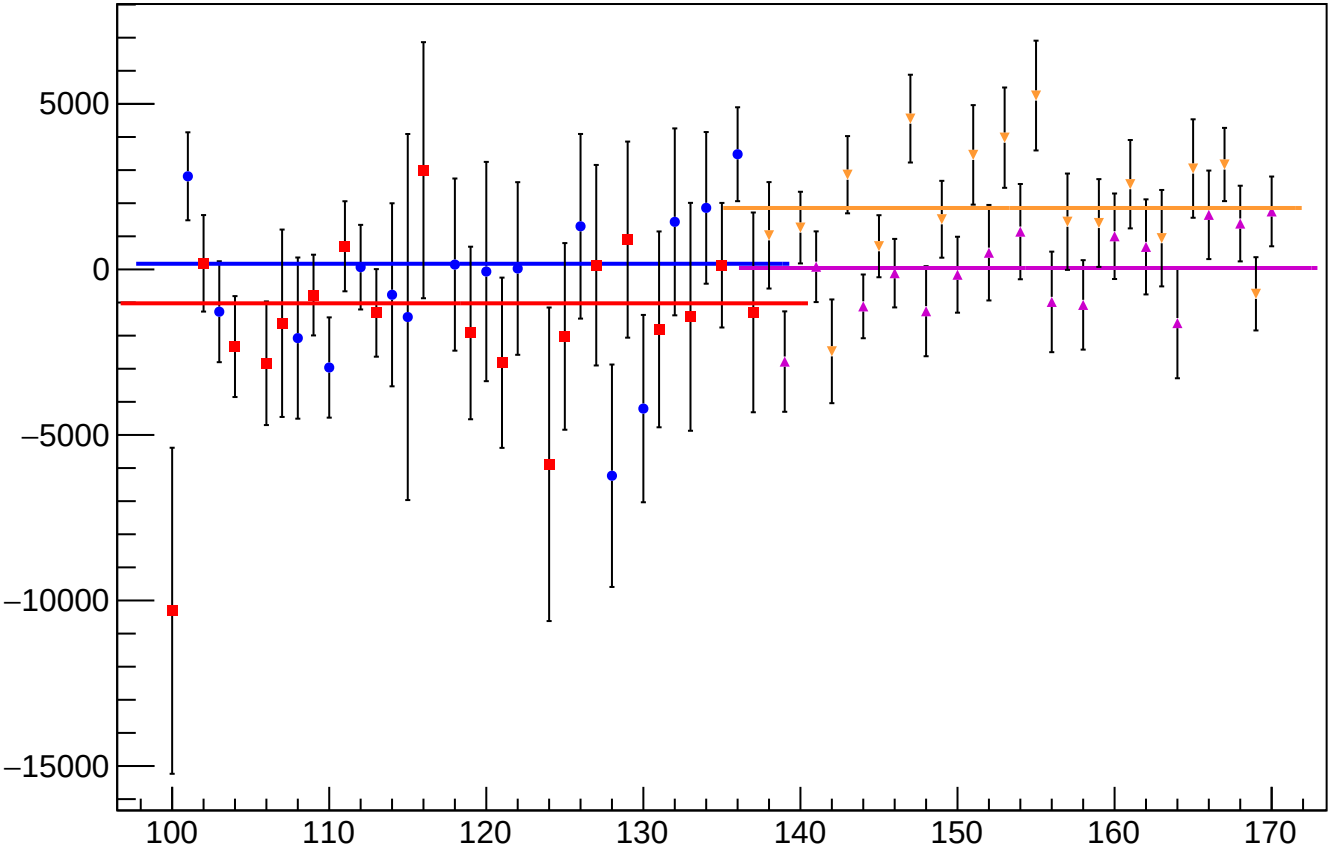
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1175.091+/-0.189 χ^2/NDF:1860796.4/31

Out: 1161.715+/-0.185 χ^2/NDF:2146289.0/35

All: 1168.264+/-0.132 χ^2/NDF: 4009647.5/67

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1855.874+/-312.579 χ^2/NDF:30.4/16

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: 43.035+/-312.487 χ^2/NDF:14.9/15

Left: 949.188+/-220.994 χ^2/NDF: 62.2/32

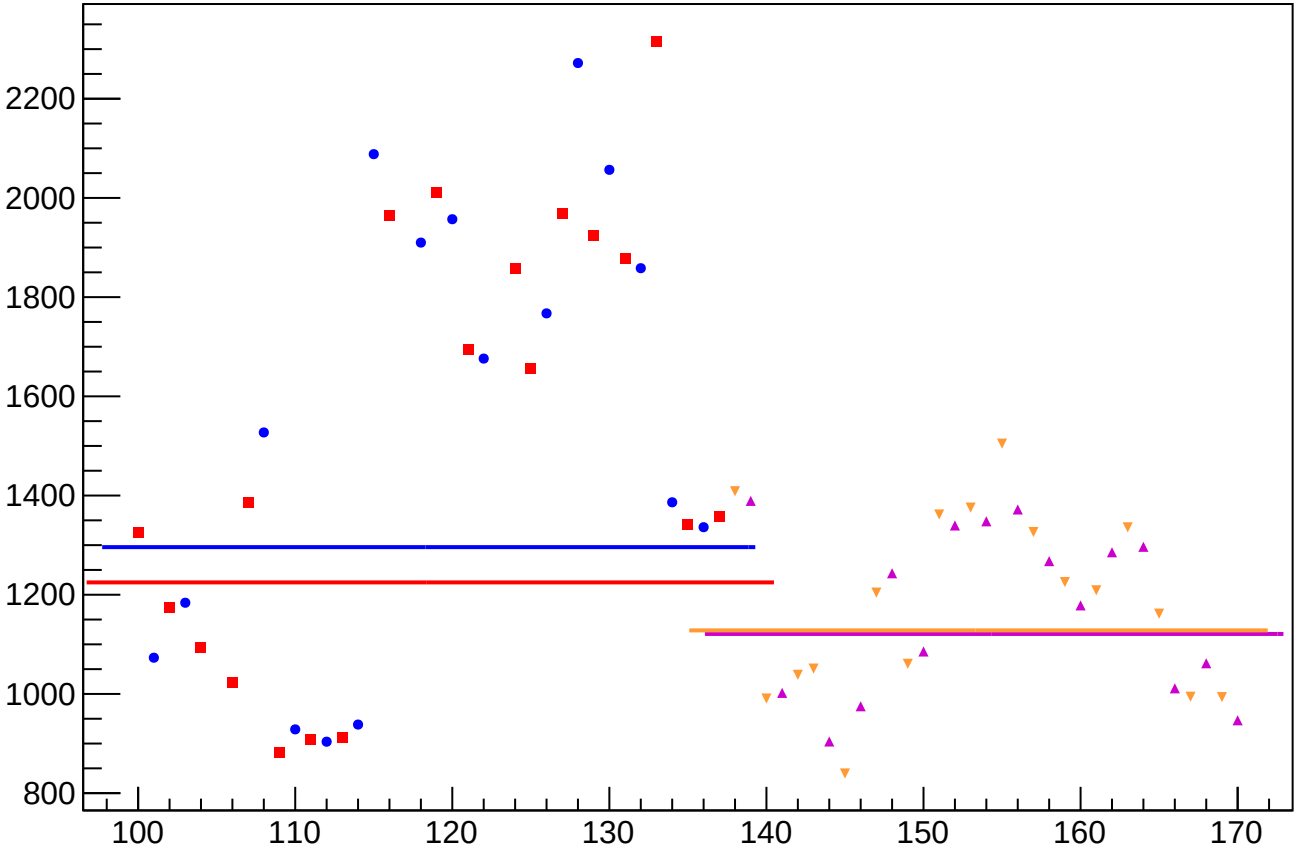
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: 78.468+/-265.748 χ^2/NDF:37.5/31

Out: 978.019+/-260.614 χ^2/NDF:67.8/35

All: 537.017+/-186.070 χ^2/NDF: 111.2/67

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1128.116+/-0.221 χ^2/NDF:671926.1/16

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1120.948+/-0.221 χ^2/NDF:546470.5/15

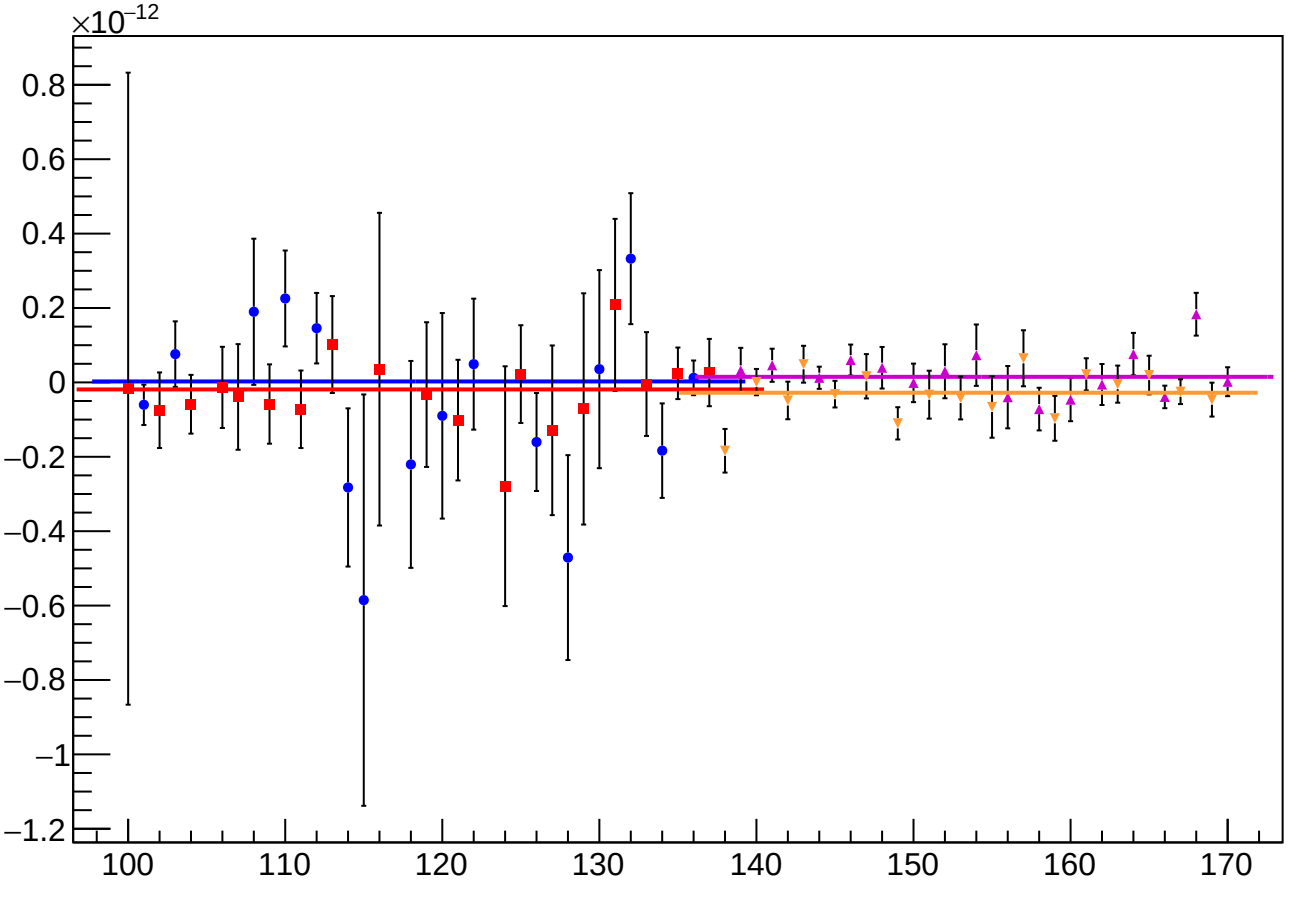
Left: 1124.531+/-0.156 χ^2/NDF: 1218922.6/32

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1169.394+/-0.188 χ^2/NDF:1874339.5/31

Out: 1157.612+/-0.184 χ^2/NDF:2101631.7/35

All: 1163.388+/-0.132 χ^2/NDF: 3977975.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/15

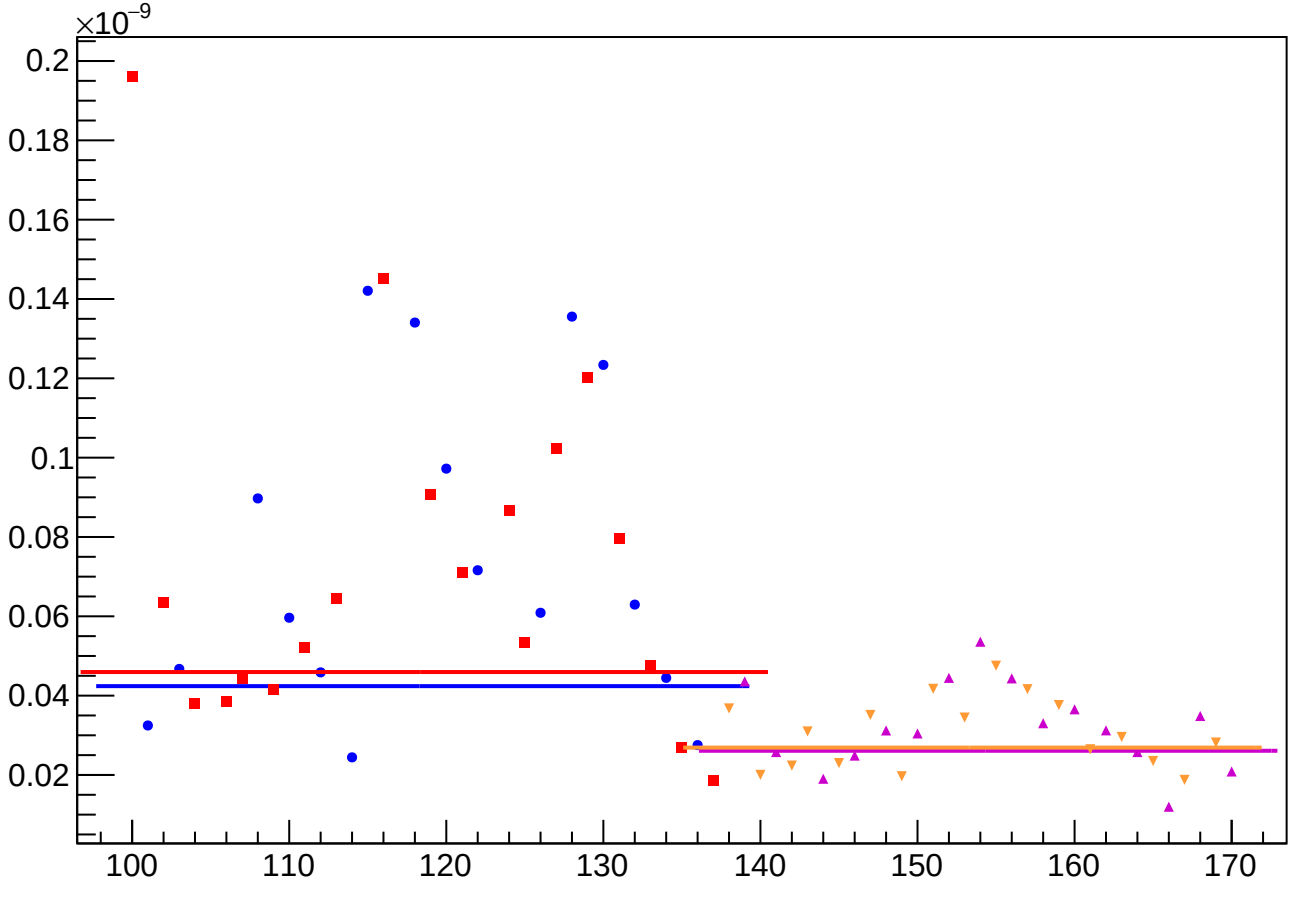
Left: -0.000+/-0.000 χ^2/NDF: 46.1/32

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:41.9/31

Out: -0.000+/-0.000 χ^2/NDF:24.9/35

All: -0.000+/-0.000 χ^2/NDF: 73.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:819541.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1384488.4/15

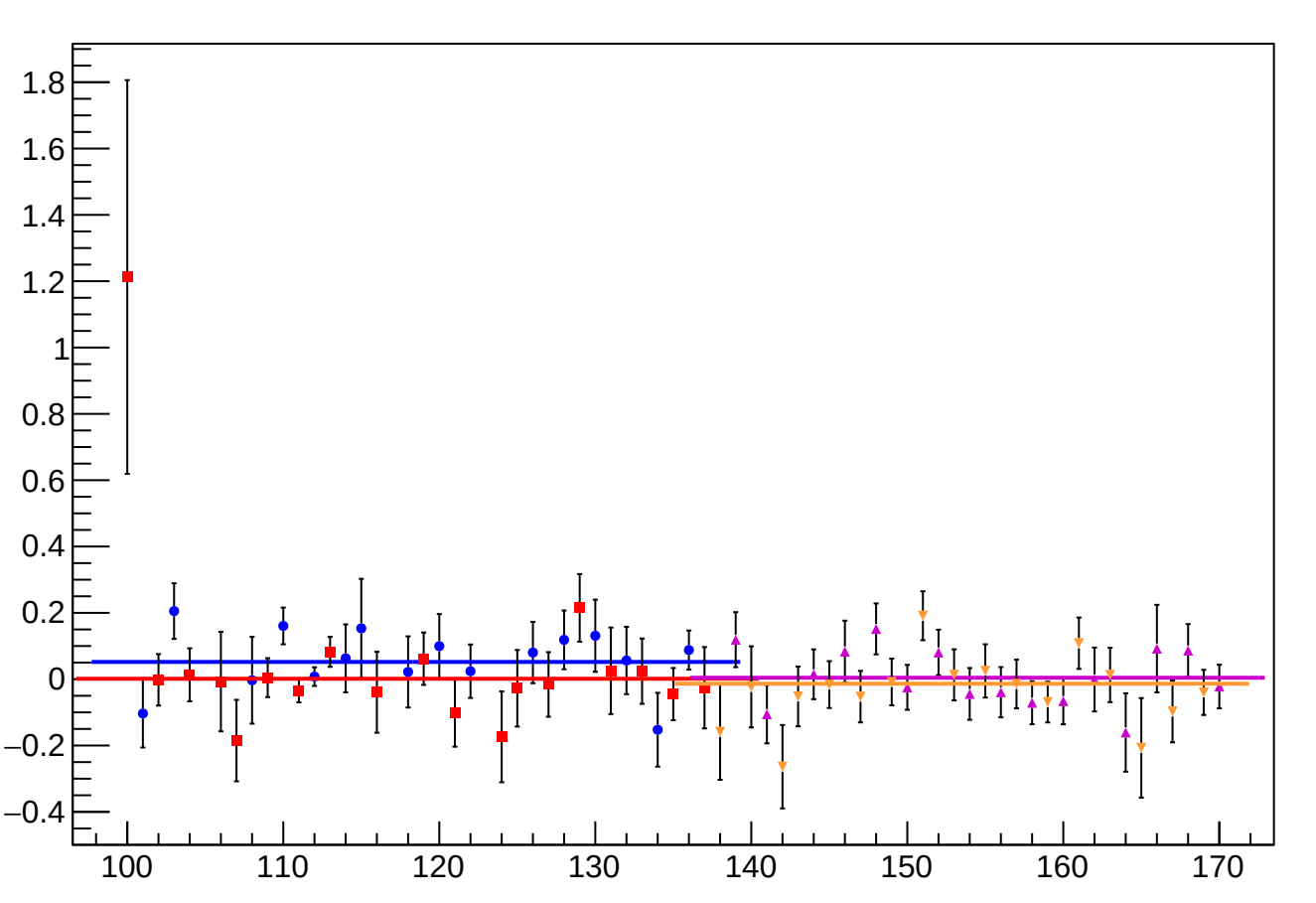
Left: 0.000+/-0.000 χ^2/NDF: 2208569.7/32

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3340664.2/31

Out: 0.000+/-0.000 χ^2/NDF:2686020.9/35

All: 0.000+/-0.000 χ^2/NDF: 6031637.9/67



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.020 χ^2/NDF:19.5/16

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

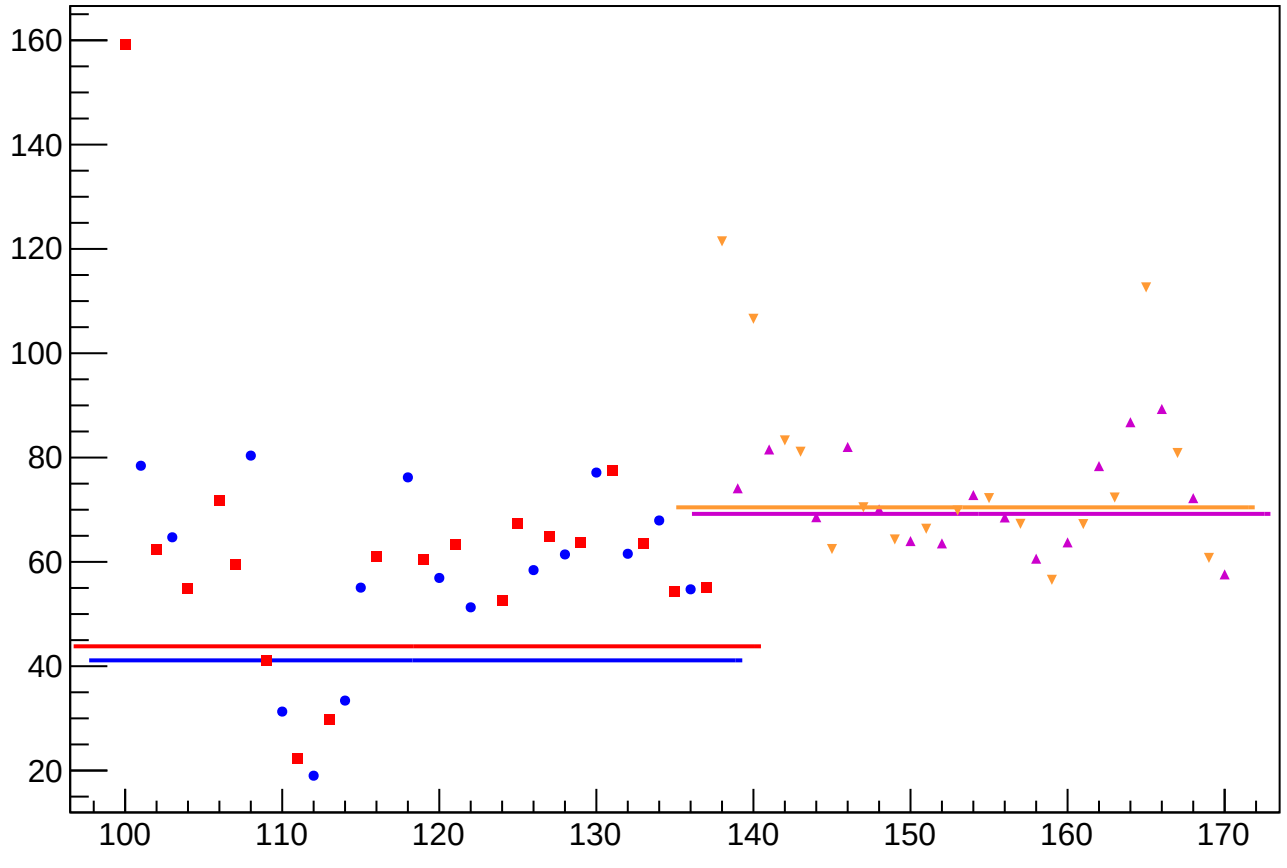
Left: -0.005+/-0.014 χ^2/NDF: 35.9/32

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/35

All: 0.013+/-0.009 χ^2/NDF: 79.9/67



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.459+/-0.014 χ^2/NDF:854224.5/16

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.204+/-0.014 χ^2/NDF:335707.3/15

Left: 69.825+/-0.010 χ^2/NDF: 1193936.1/32

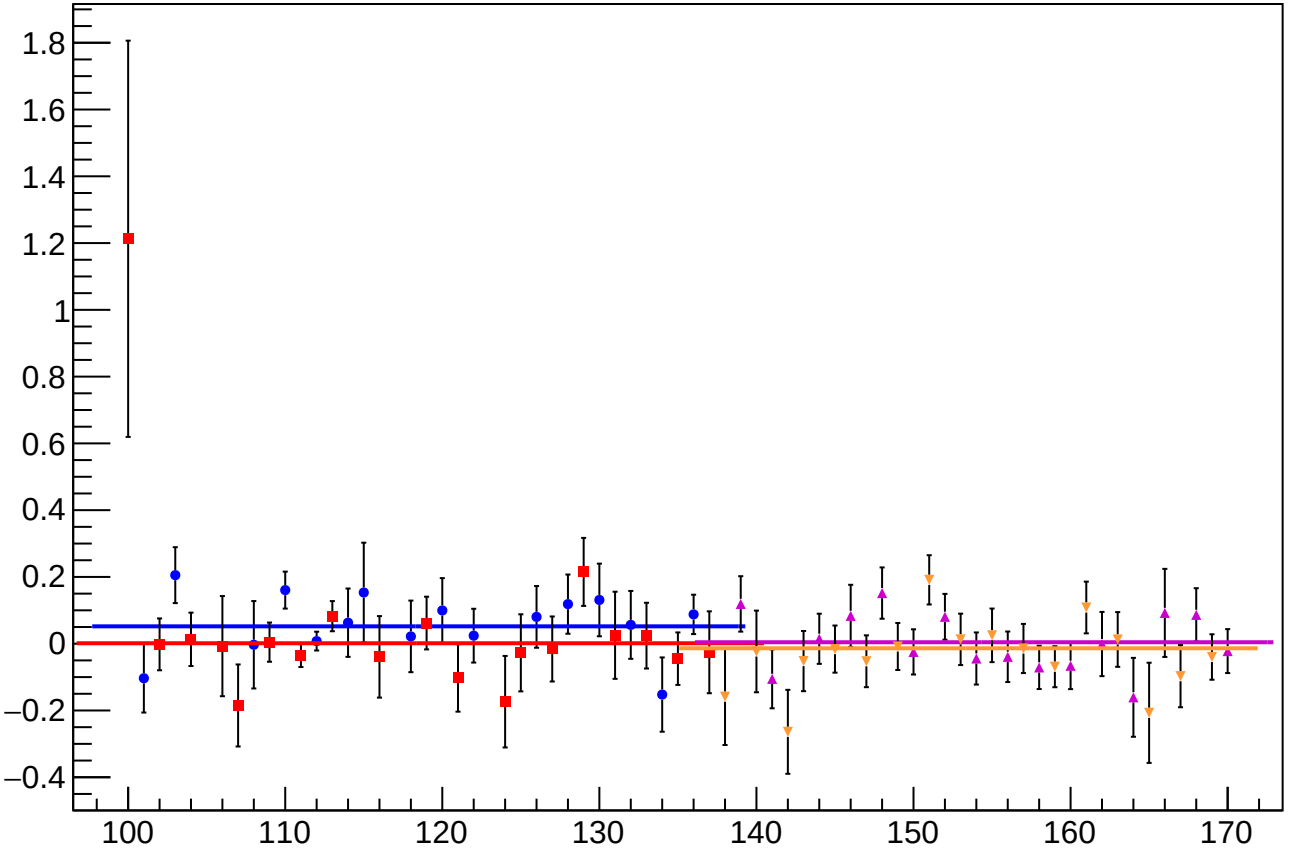
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.710+/-0.009 χ^2/NDF:5499934.4/31

Out: 55.731+/-0.009 χ^2/NDF:4878711.4/35

All: 54.711+/-0.007 χ^2/NDF: 10401856.6/67

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.020 χ^2/NDF:19.5/16

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

Left: -0.005+/-0.014 χ^2/NDF: 35.9/32

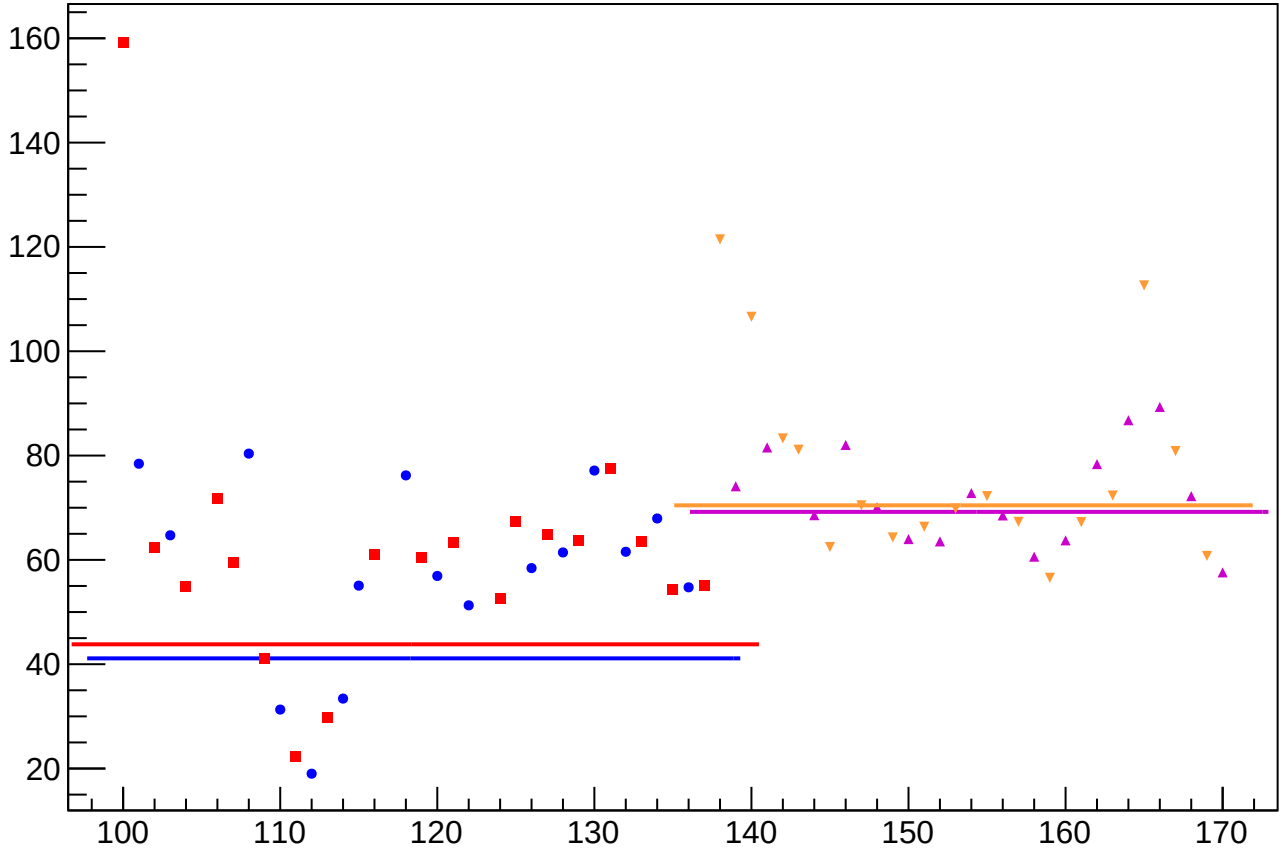
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/35

All: 0.013+/-0.009 χ^2/NDF: 79.9/67

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: 70.459+/-0.014 χ^2/NDF:854224.5/16

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.204+/-0.014 χ^2/NDF:335707.3/15

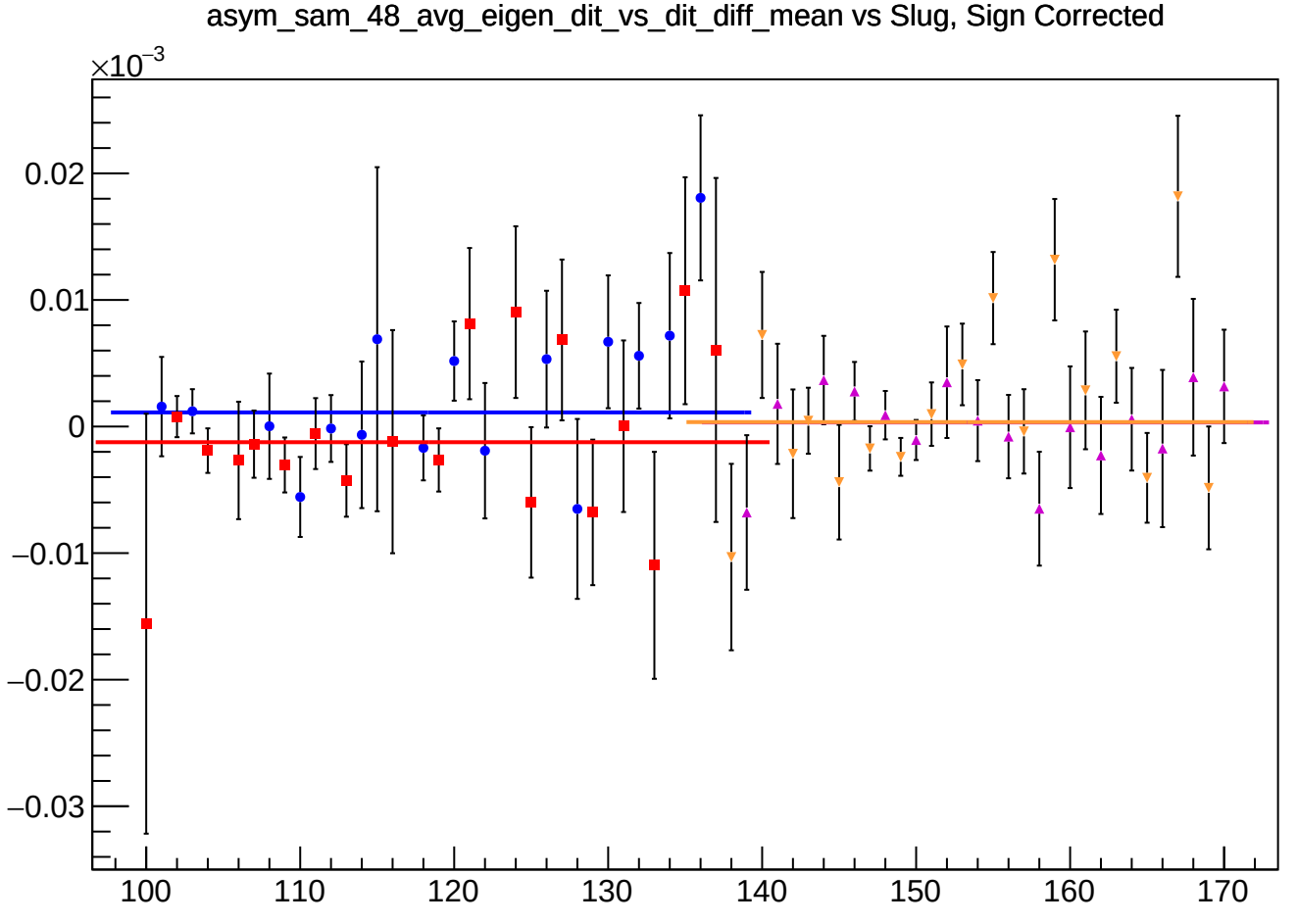
Left: 69.825+/-0.010 χ^2/NDF: 1193936.1/32

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.710+/-0.009 χ^2/NDF:5499934.4/31

Out: 55.731+/-0.009 χ^2/NDF:4878711.4/35

All: 54.711+/-0.007 χ^2/NDF: 10401856.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/15

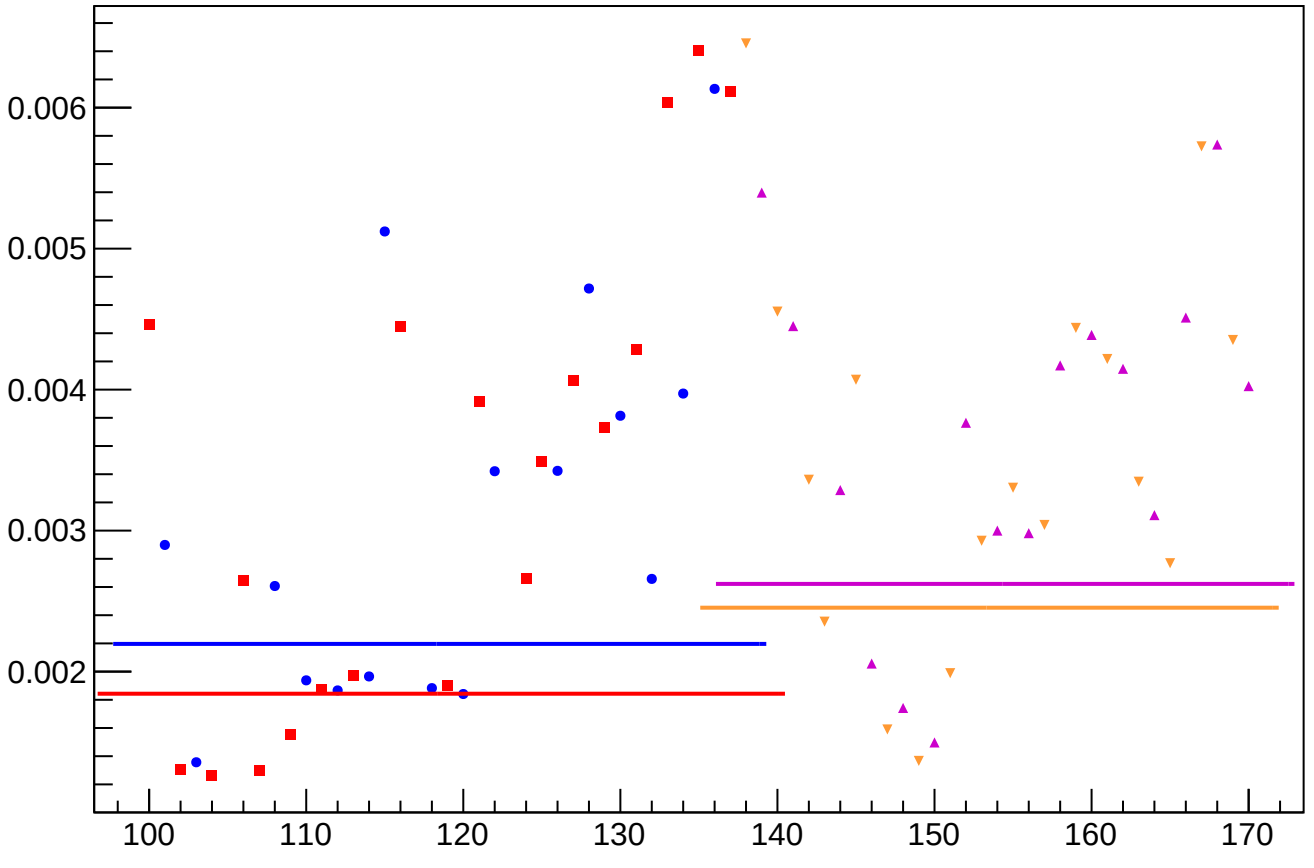
Left: 0.000+/-0.000 χ^2/NDF: 47.9/32

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.8/31

Out: -0.000+/-0.000 χ^2/NDF:57.6/35

All: 0.000+/-0.000 χ^2/NDF: 88.3/67



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4691630.6/16

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4161932.4/15

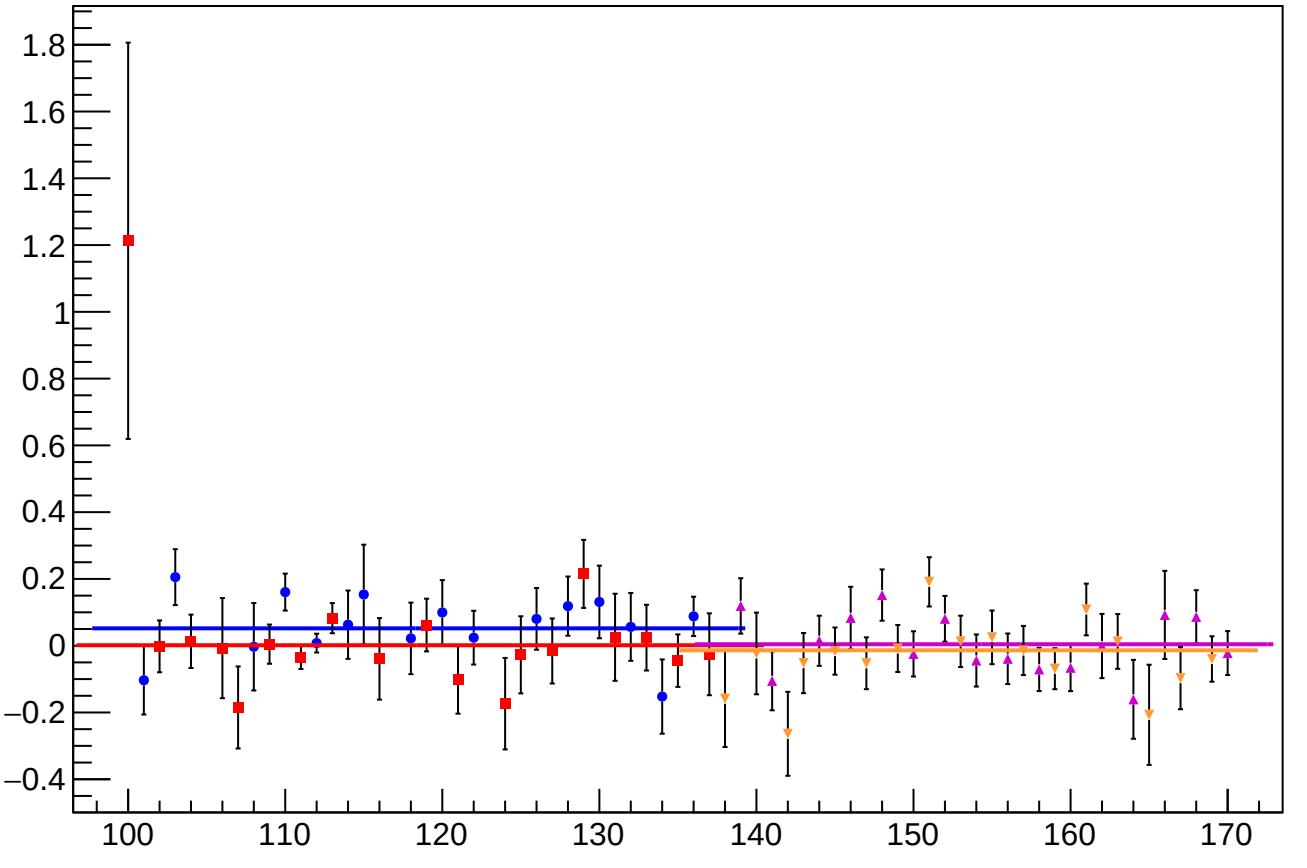
Left: 0.003+/-0.000 χ^2/NDF: 8900957.6/32

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:6701557.5/31

Out: 0.002+/-0.000 χ^2/NDF:8482447.2/35

All: 0.002+/-0.000 χ^2/NDF: 15426284.2/67



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.020 χ^2/NDF:19.5/16

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

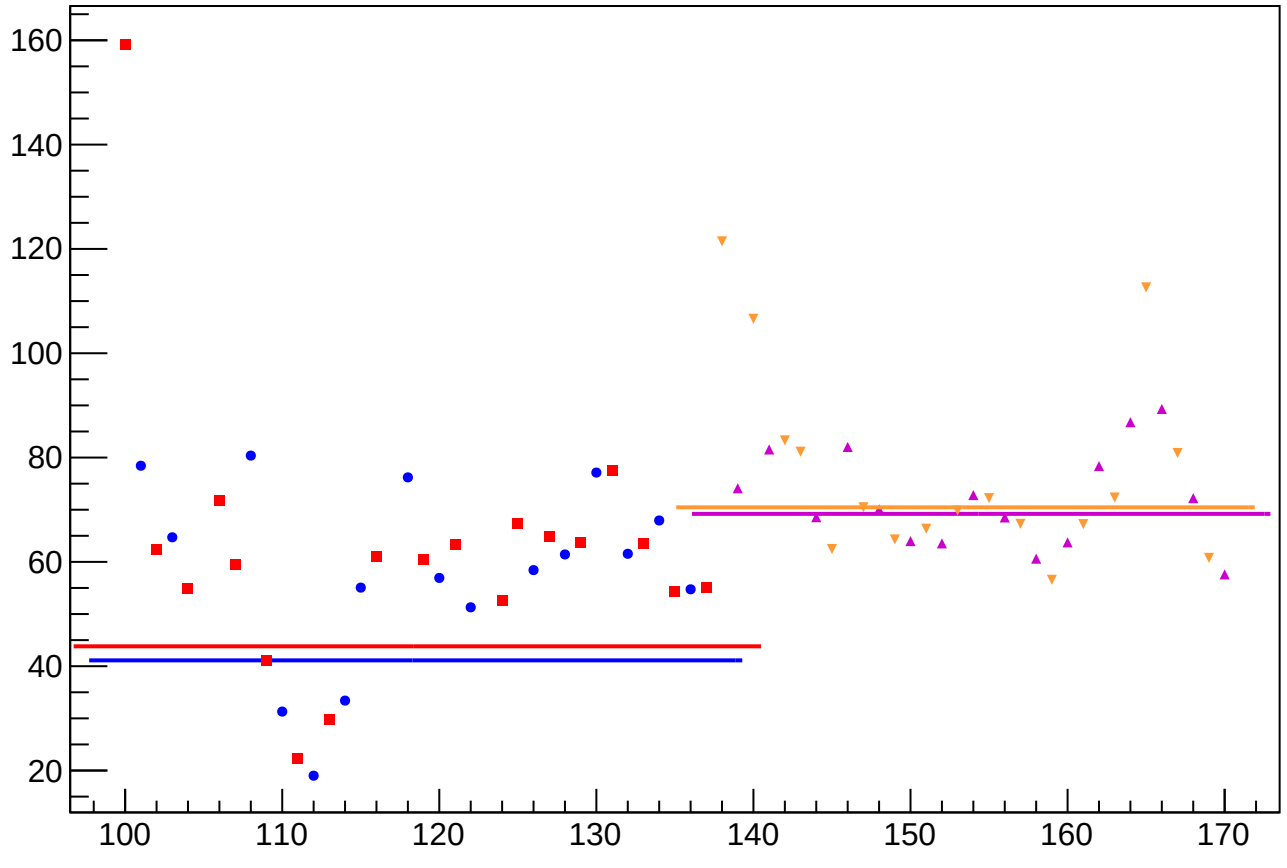
Left: -0.005+/-0.014 χ^2/NDF: 35.9/32

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/35

All: 0.013+/-0.009 χ^2/NDF: 79.9/67



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.459+/-0.014 χ^2/NDF:854205.6/16

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.205+/-0.014 χ^2/NDF:335706.3/15

Left: 69.825+/-0.010 χ^2/NDF: 1193916.5/32

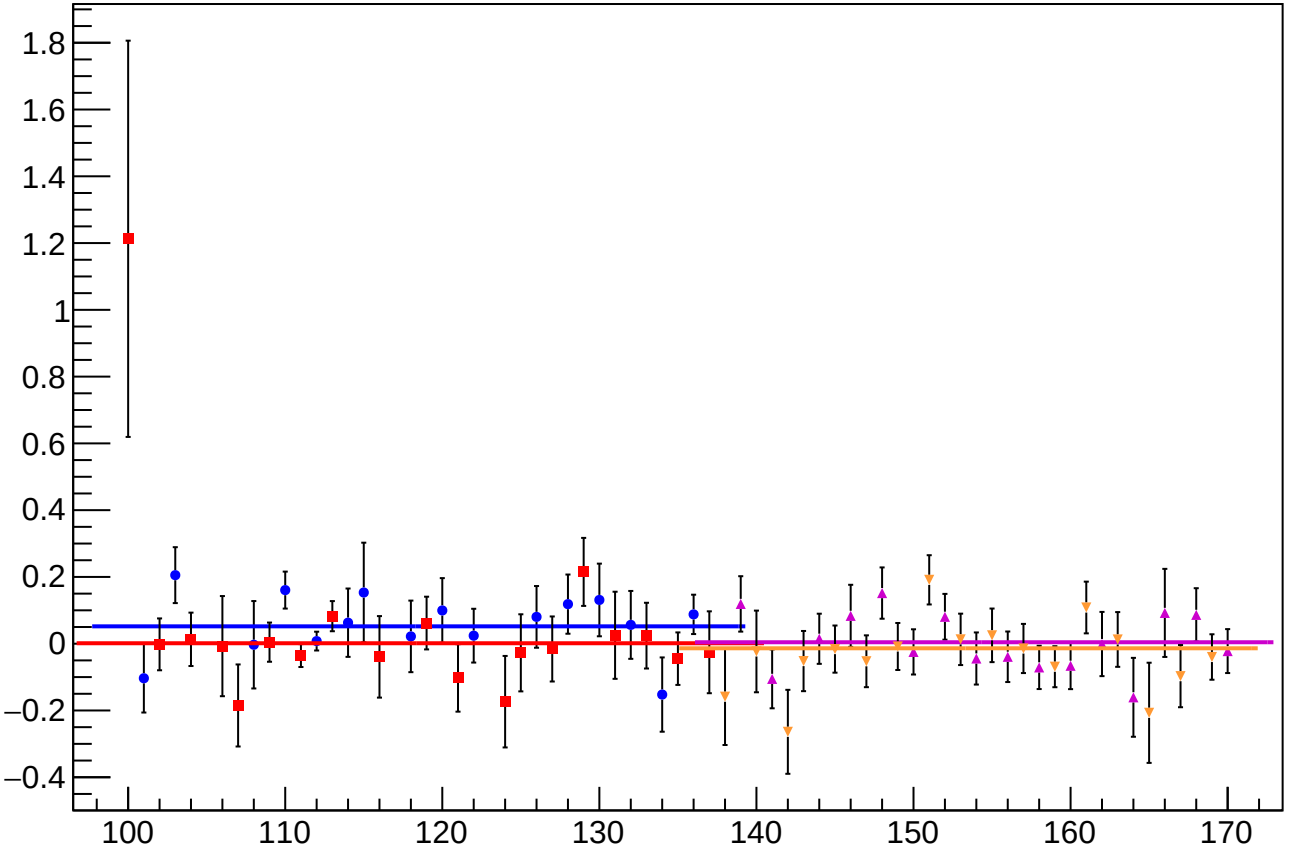
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.709+/-0.009 χ^2/NDF:5500343.9/31

Out: 55.730+/-0.009 χ^2/NDF:4879098.4/35

All: 54.710+/-0.007 χ^2/NDF: 10402654.8/67

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+/-0.020 χ^2/NDF:19.5/16

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

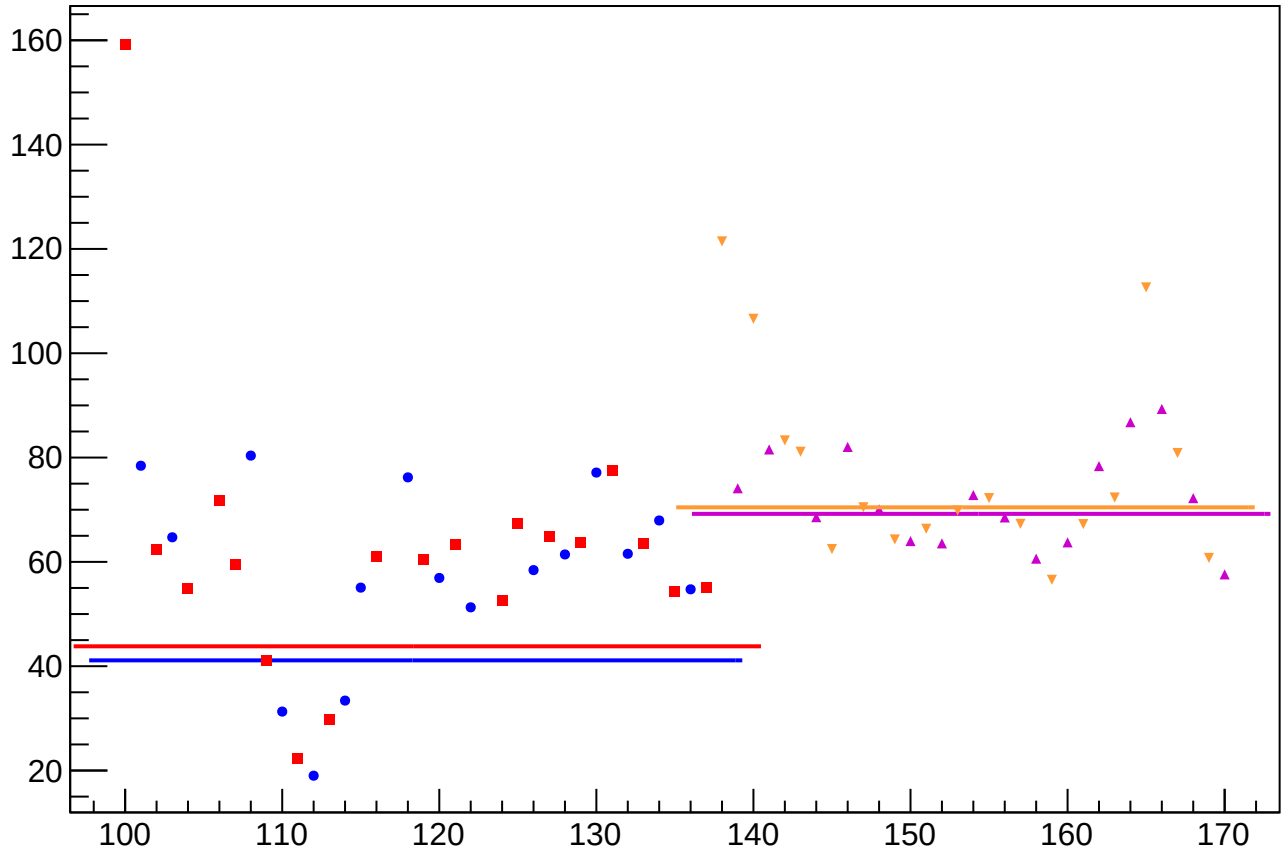
Left: -0.005+/-0.014 χ^2/NDF: 35.9/32

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/35

All: 0.013+/-0.009 χ^2/NDF: 79.9/67



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.459+/-0.014 χ^2/NDF:854205.6/16

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.205+/-0.014 χ^2/NDF:335706.3/15

Left: 69.825+/-0.010 χ^2/NDF: 1193916.5/32

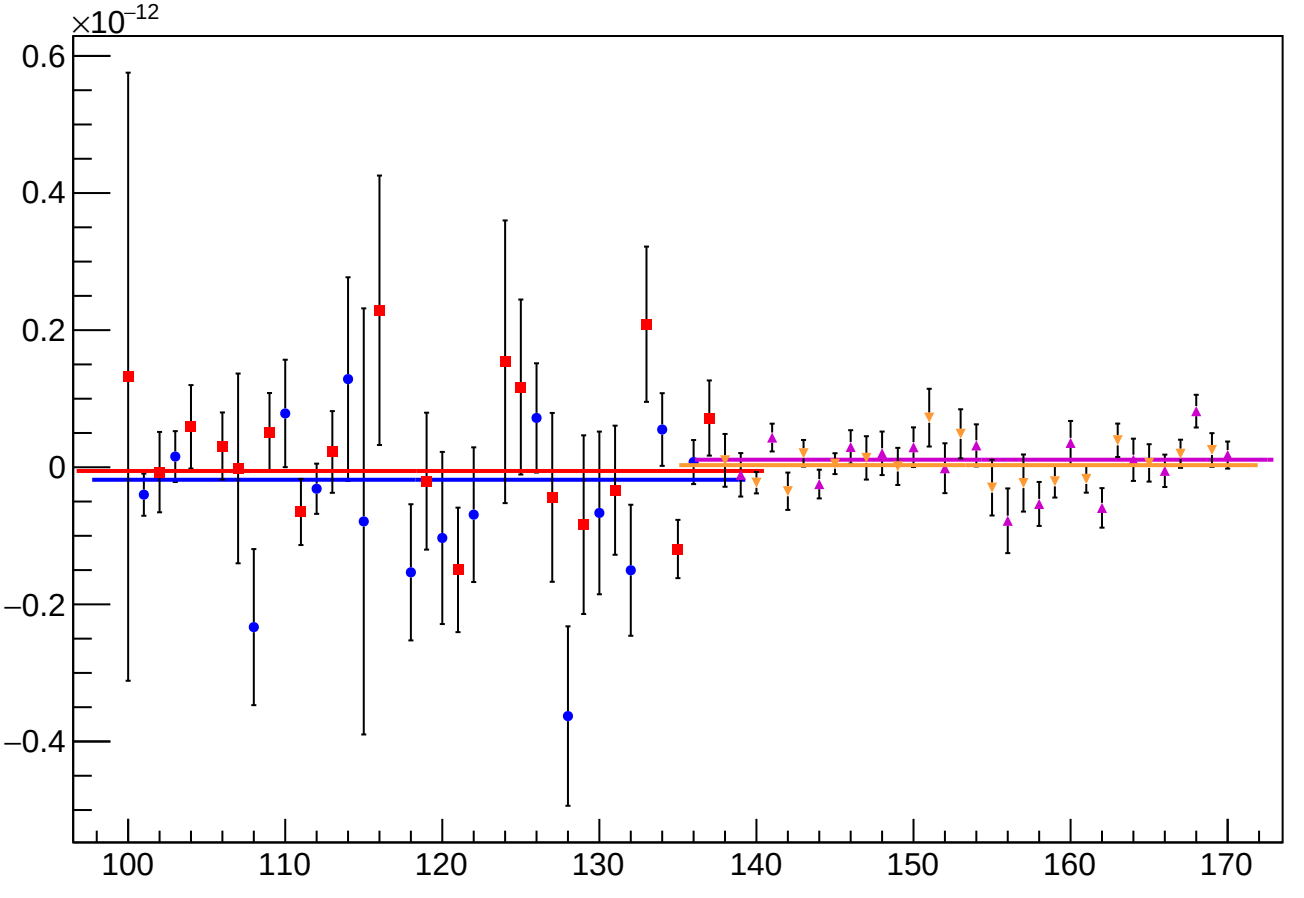
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.709+/-0.009 χ^2/NDF:5500343.9/31

Out: 55.730+/-0.009 χ^2/NDF:4879098.4/35

All: 54.710+/-0.007 χ^2/NDF: 10402654.8/67

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:31.1/15

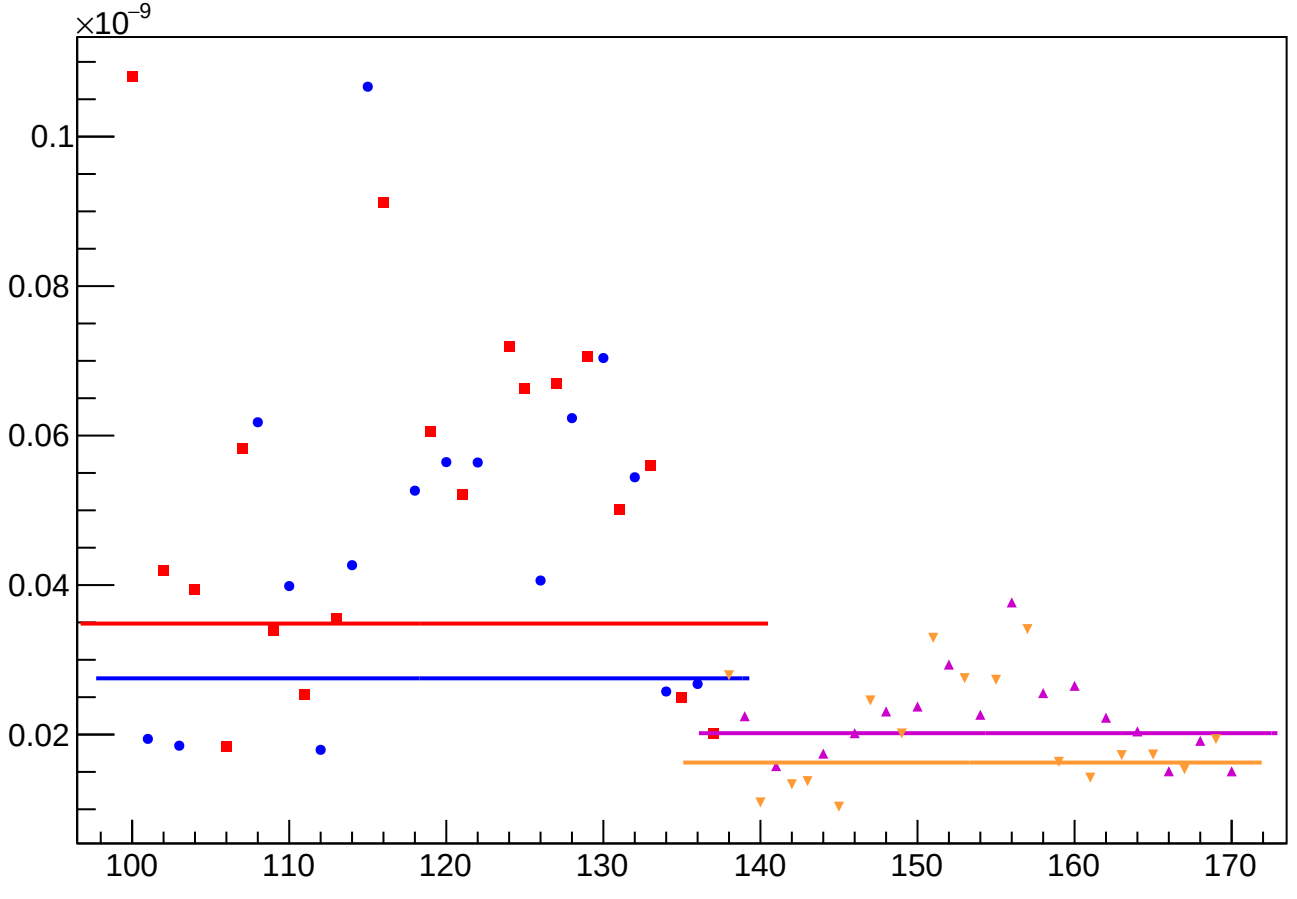
Left: 0.000+/-0.000 χ^2/NDF: 48.6/32

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:57.5/31

Out: 0.000+/-0.000 χ^2/NDF:40.2/35

All: 0.000+/-0.000 χ^2/NDF: 97.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2046631.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:975965.3/15

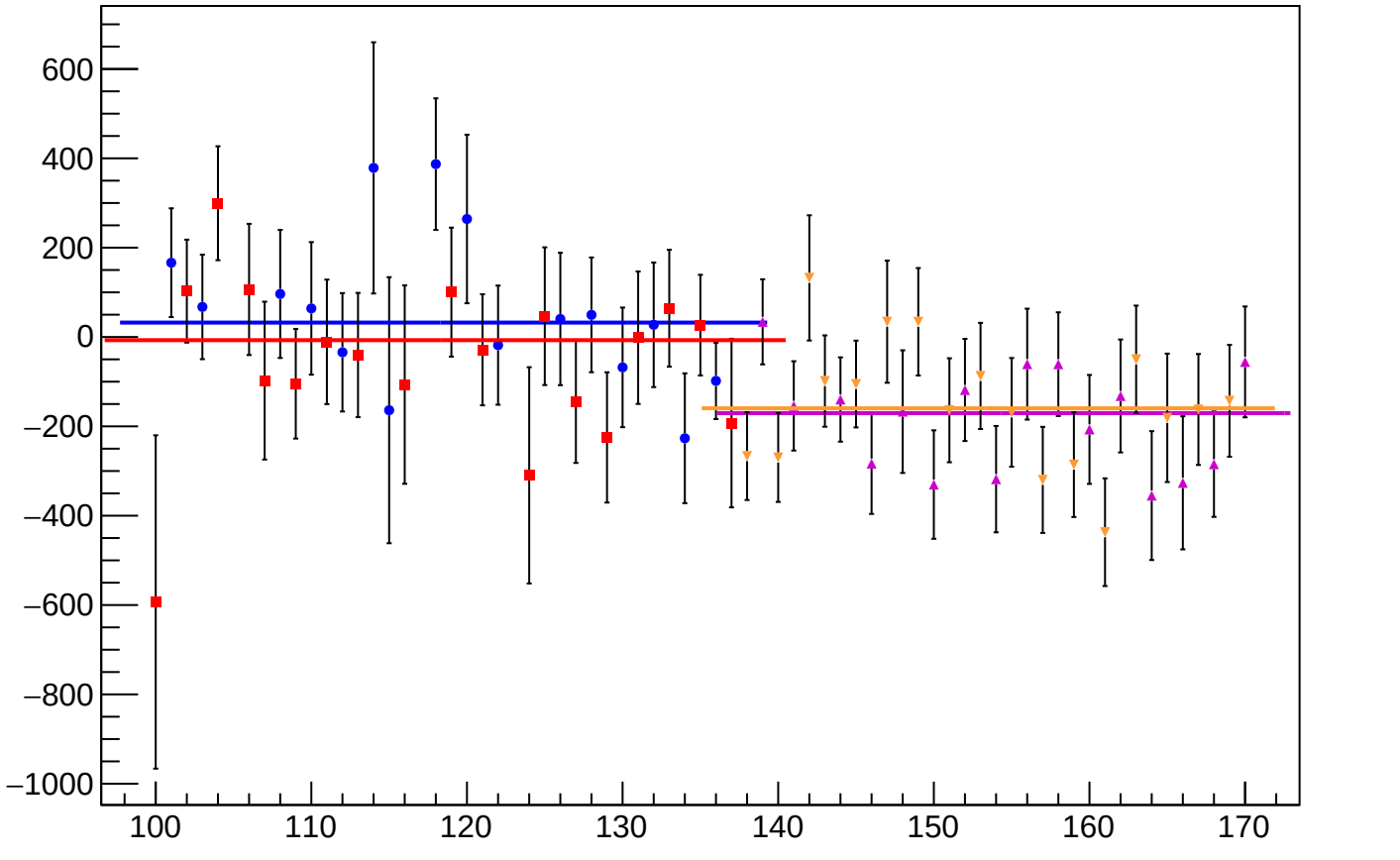
Left: 0.000+/-0.000 χ^2/NDF: 3412767.7/32

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

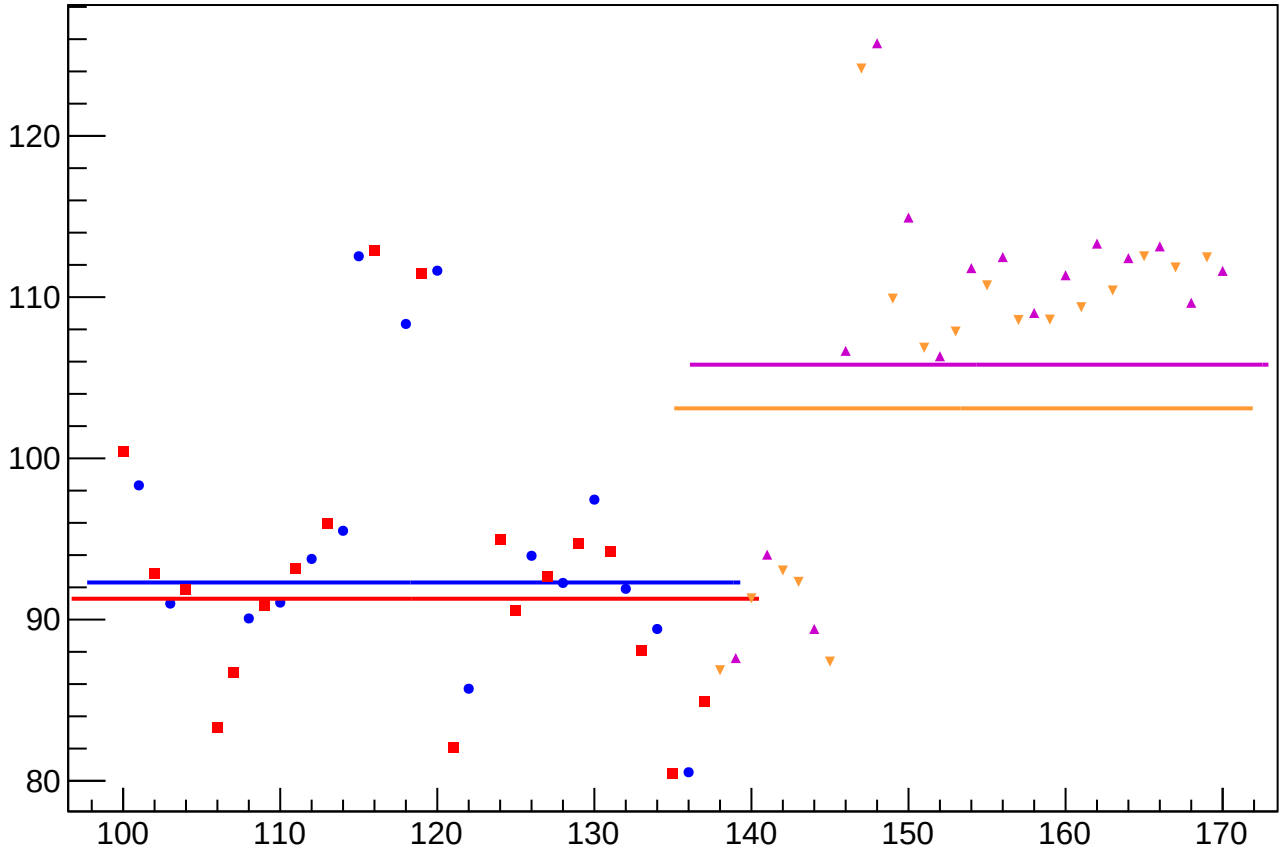
In: 0.000+/-0.000 χ^2/NDF:3201788.5/31

Out: 0.000+/-0.000 χ^2/NDF:5935181.7/35

All: 0.000+/-0.000 χ^2/NDF: 9443392.5/67


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -159.515+/-28.281 χ²/NDF:21.5/16
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -170.309+/-29.259 χ²/NDF:15.6/15
Left: -164.729+/-20.335 χ²/NDF: 37.2/32
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: -85.344+/-22.295 χ²/NDF:53.0/31
Out: -95.901+/-21.589 χ²/NDF:51.4/35
All: -90.792+/-15.509 χ²/NDF: 104.6/67

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.101+/-0.020 χ^2/NDF:285641.0/16

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

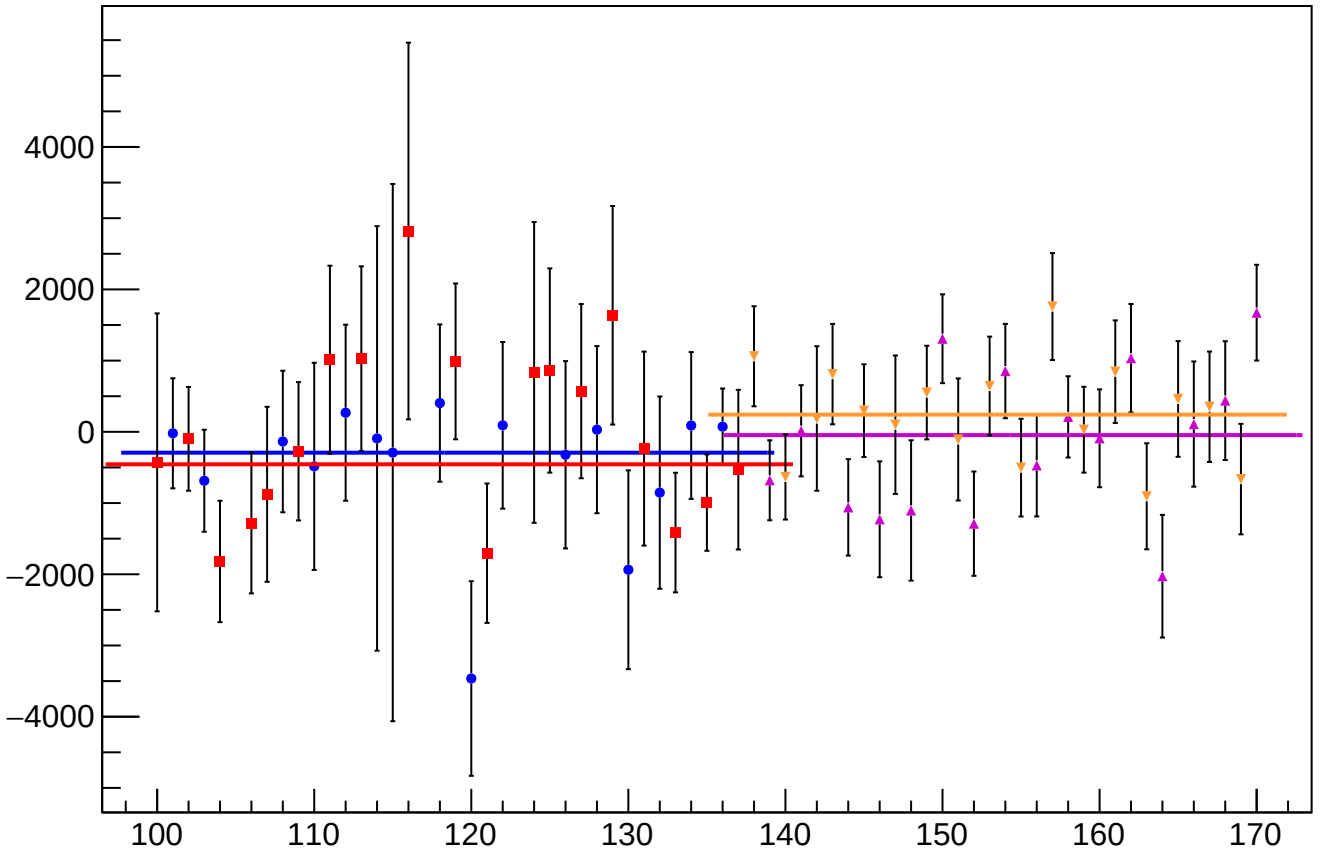
Left: 104.410+/-0.014 χ^2/NDF: 548385.4/32

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.146+/-0.016 χ^2/NDF:539722.4/31

Out: 98.174+/-0.015 χ^2/NDF:536214.7/35

All: 99.128+/-0.011 χ^2/NDF: 1084012.5/67



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 241.743+/-176.233 χ^2/NDF:14.8/16

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -45.671+/-176.229 χ^2/NDF:31.0/15

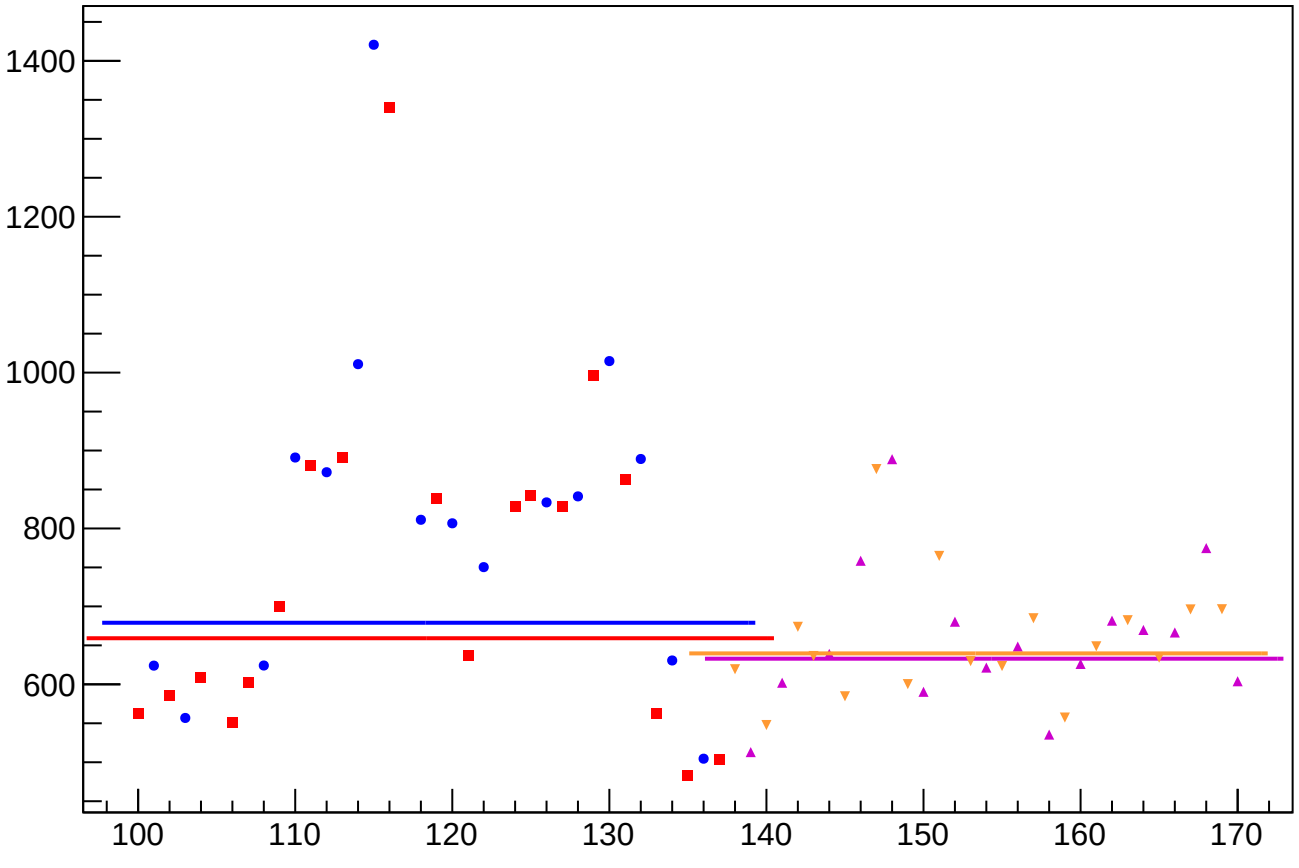
Left: 98.033+/-124.614 χ^2/NDF: 47.1/32

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -123.578+/-145.823 χ^2/NDF:40.4/31

Out: 8.578+/-143.794 χ^2/NDF:36.9/35

All: -56.574+/-102.388 χ^2/NDF: 77.7/67



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 639.684+/-0.125 χ^2/NDF:307857.6/16

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 632.885+/-0.125 χ^2/NDF:432648.8/15

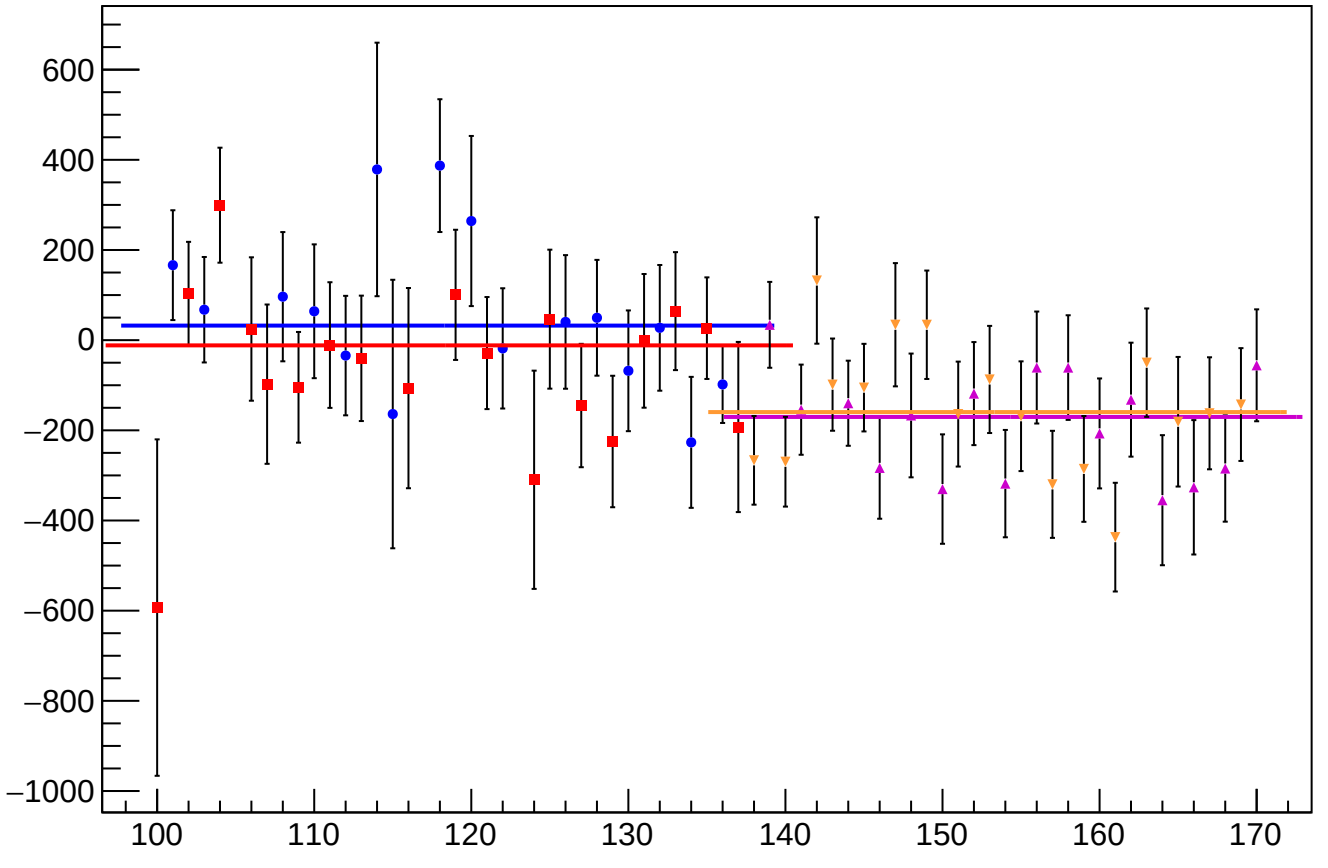
Left: 636.285+/-0.088 χ^2/NDF: 741994.6/32

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 647.427+/-0.103 χ^2/NDF:1243818.1/31

Out: 646.185+/-0.102 χ^2/NDF:1111877.5/35

All: 646.797+/-0.072 χ^2/NDF: 2355769.1/67



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.513+/-28.281 χ^2/NDF:21.5/16

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -170.313+/-29.259 χ^2/NDF:15.6/15

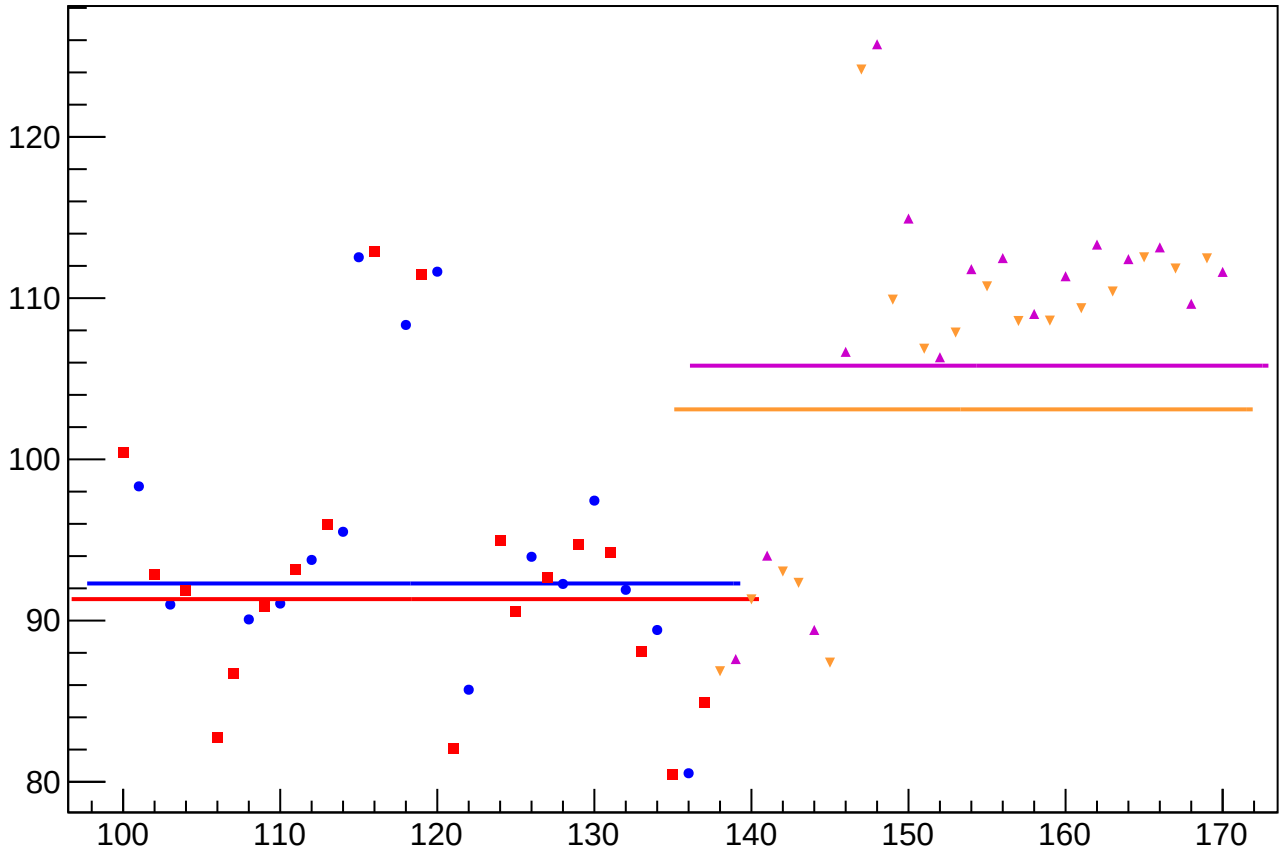
Left: -164.729+/-20.335 χ^2/NDF: 37.2/32

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -85.339+/-22.295 χ^2/NDF:53.0/31

Out: -98.056+/-21.623 χ^2/NDF:50.1/35

All: -91.892+/-15.522 χ^2/NDF: 103.3/67



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.101+/-0.020 χ^2/NDF:285641.1/16

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

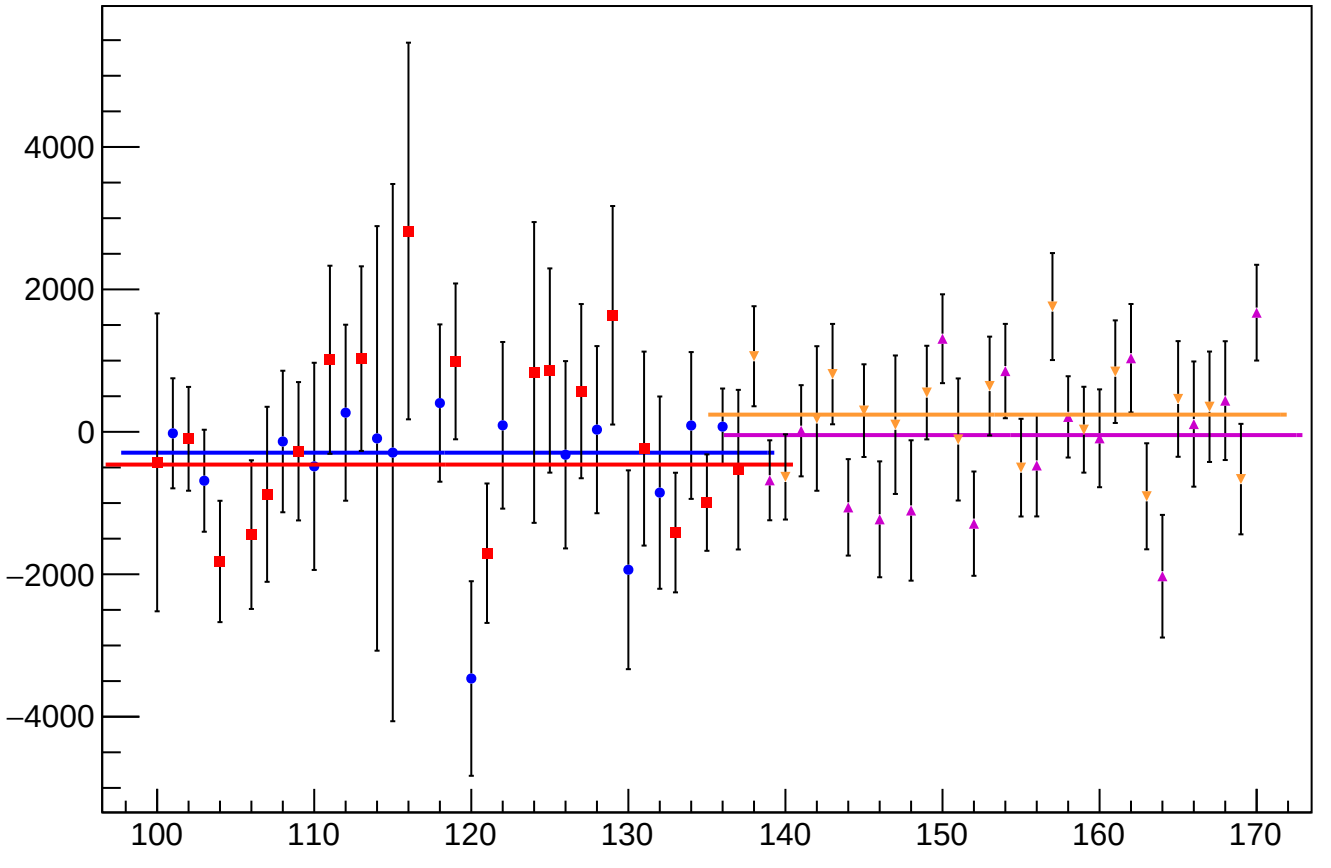
Left: 104.410+/-0.014 χ^2/NDF: 548385.4/32

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.146+/-0.016 χ^2/NDF:539722.3/31

Out: 98.212+/-0.015 χ^2/NDF:534446.8/35

All: 99.149+/-0.011 χ^2/NDF: 1081924.5/67



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 241.742+/-176.233 χ^2/NDF:14.8/16

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -45.673+/-176.229 χ^2/NDF:31.0/15

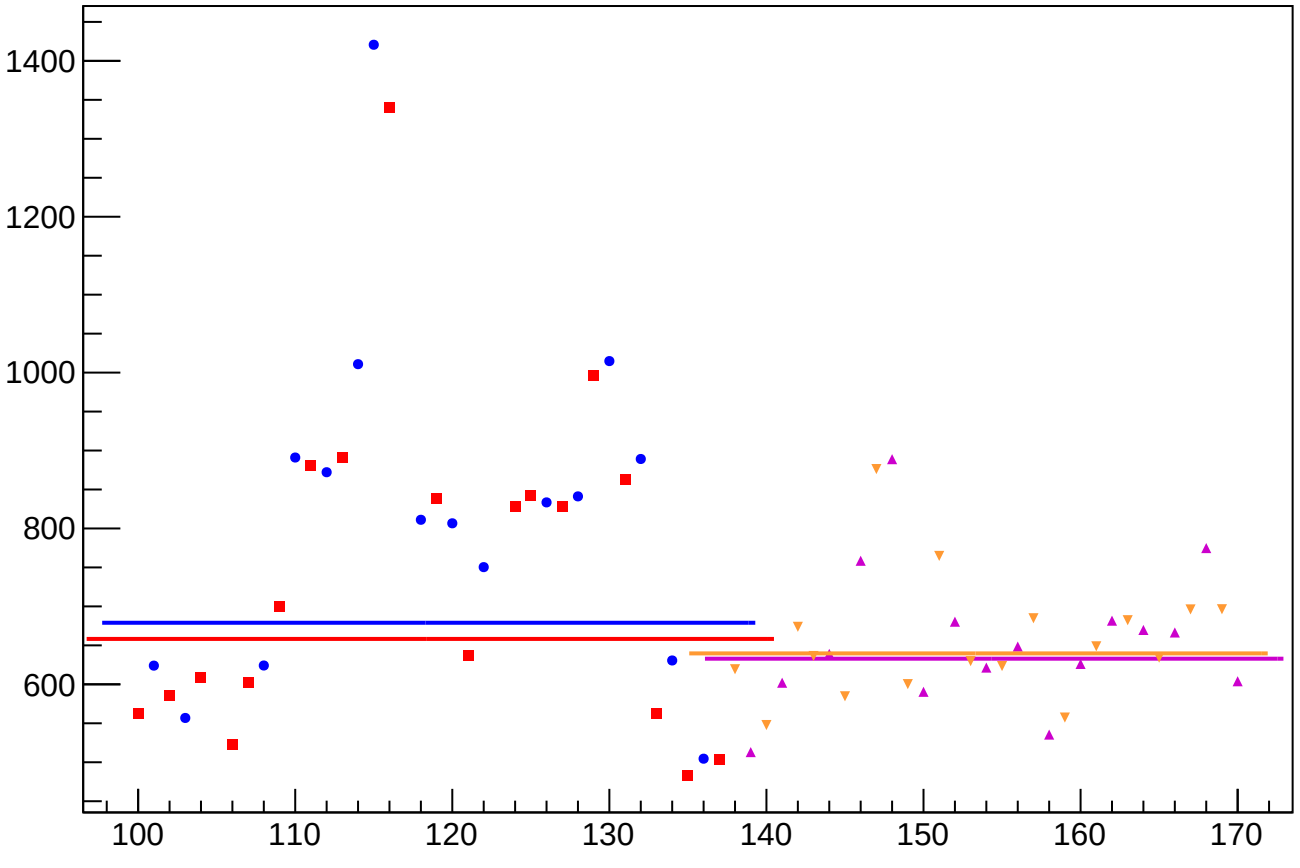
Left: 98.032+/-124.614 χ^2/NDF: 47.1/32

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -123.579+/-145.823 χ^2/NDF:40.4/31

Out: 8.353+/-143.953 χ^2/NDF:37.1/35

All: -56.762+/-102.445 χ^2/NDF: 78.0/67



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.684+/-0.125 χ^2/NDF:307858.6/16

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.886+/-0.125 χ^2/NDF:432650.0/15

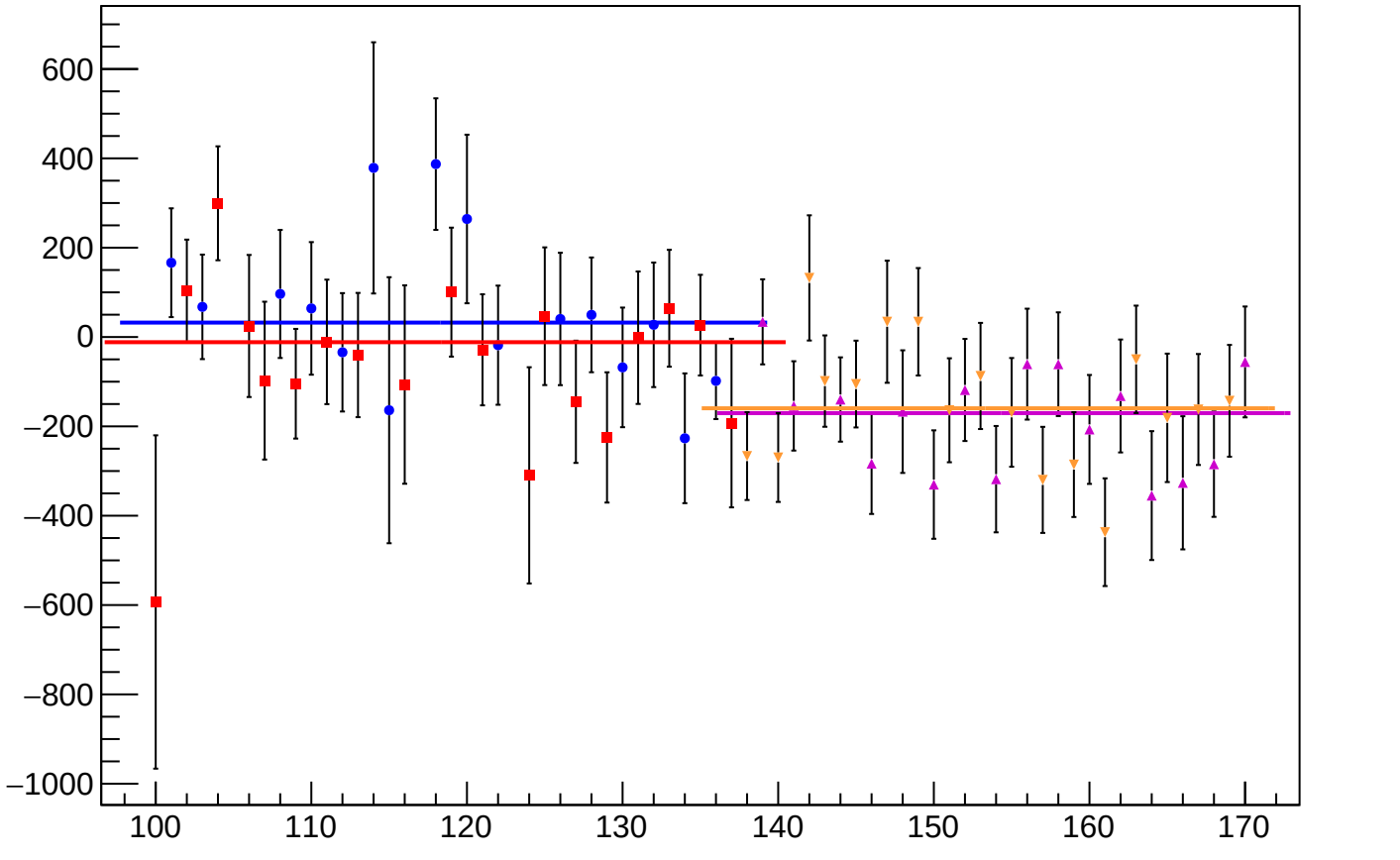
Left: 636.285+/-0.088 χ^2/NDF: 741996.9/32

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 647.427+/-0.103 χ^2/NDF:1243820.3/31

Out: 645.866+/-0.102 χ^2/NDF:1121152.7/35

All: 646.636+/-0.072 χ^2/NDF: 2365088.9/67



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.513+/-28.281 χ^2/NDF:21.5/16

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -170.313+/-29.259 χ^2/NDF:15.6/15

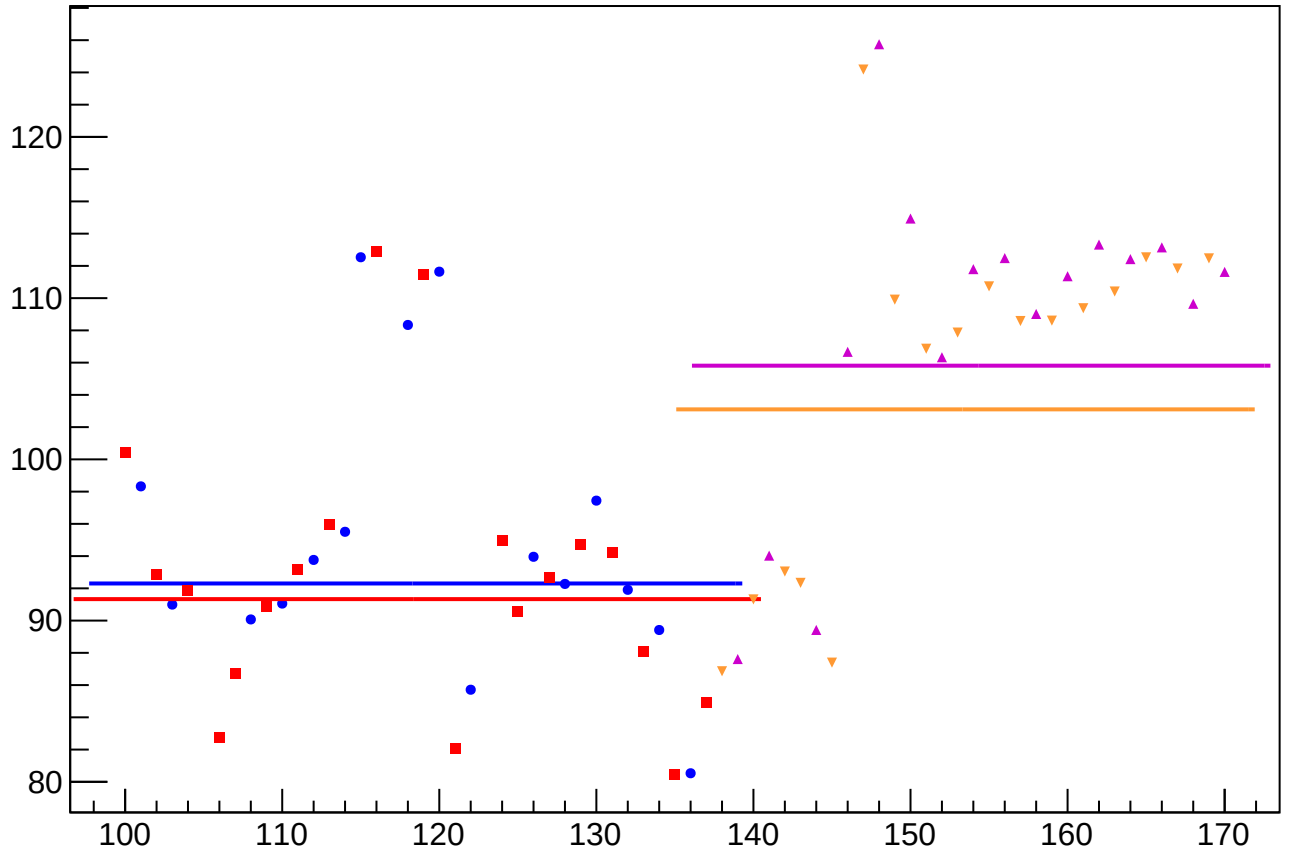
Left: -164.729+/-20.335 χ^2/NDF: 37.2/32

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -85.339+/-22.295 χ^2/NDF:53.0/31

Out: -98.056+/-21.623 χ^2/NDF:50.1/35

All: -91.892+/-15.522 χ^2/NDF: 103.3/67



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.101+/-0.020 χ^2/NDF:285641.1/16

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

Left: 104.410+/-0.014 χ^2/NDF: 548385.4/32

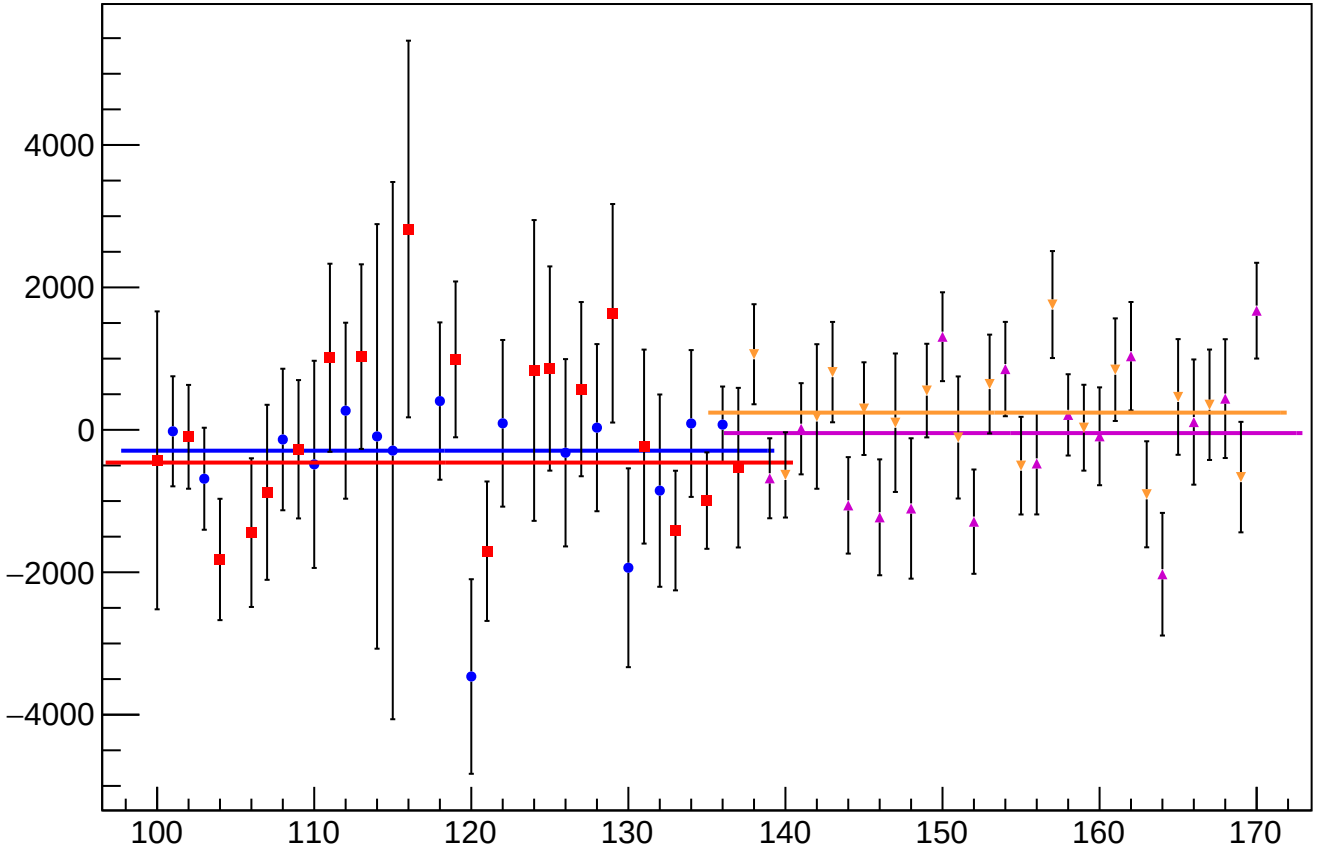
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.146+/-0.016 χ^2/NDF:539722.3/31

Out: 98.212+/-0.015 χ^2/NDF:534446.8/35

All: 99.149+/-0.011 χ^2/NDF: 1081924.5/67

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 241.742+/-176.233 χ^2/NDF:14.8/16

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -45.673+/-176.229 χ^2/NDF:31.0/15

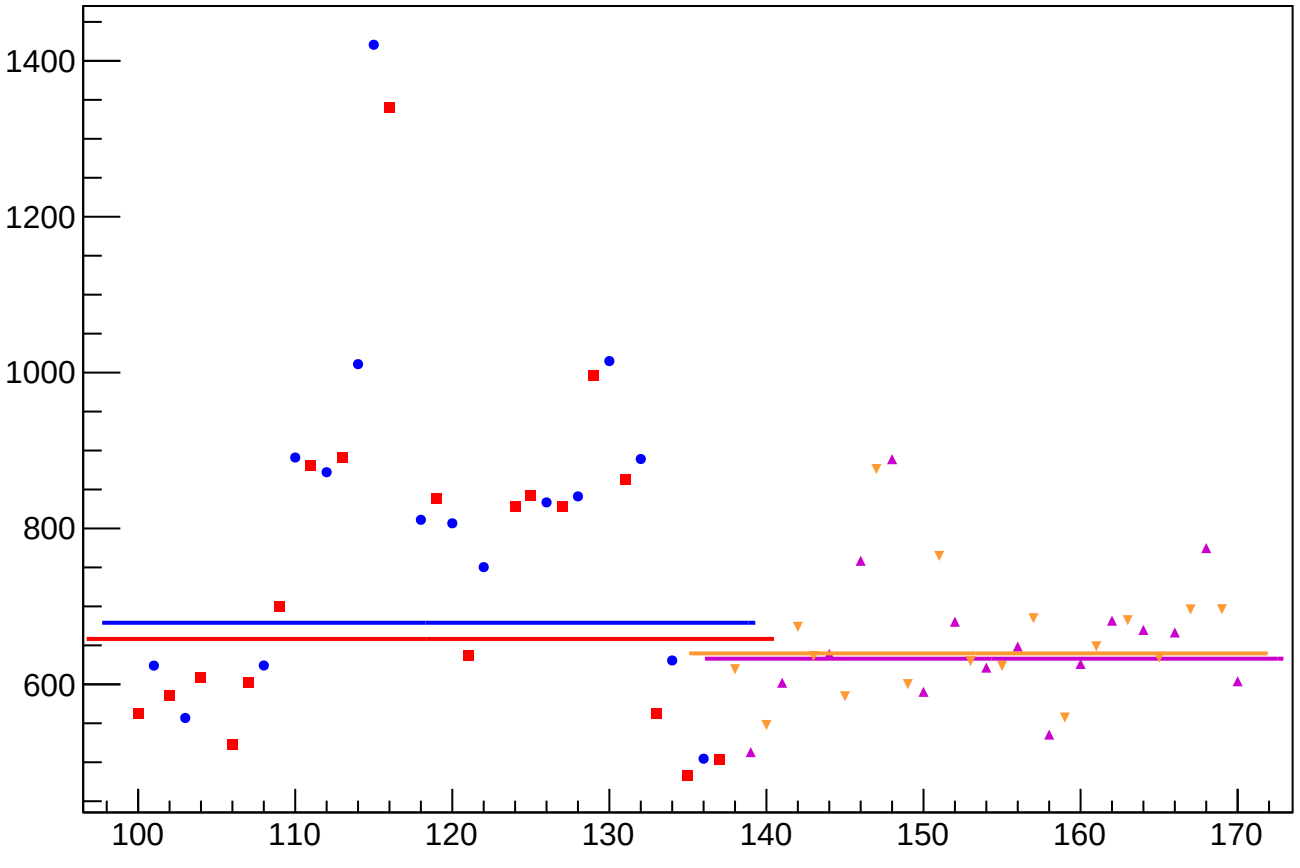
Left: 98.032+/-124.614 χ^2/NDF: 47.1/32

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -123.579+/-145.823 χ^2/NDF:40.4/31

Out: 8.353+/-143.953 χ^2/NDF:37.1/35

All: -56.762+/-102.445 χ^2/NDF: 78.0/67



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.684+/-0.125 χ^2/NDF:307858.6/16

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.886+/-0.125 χ^2/NDF:432650.0/15

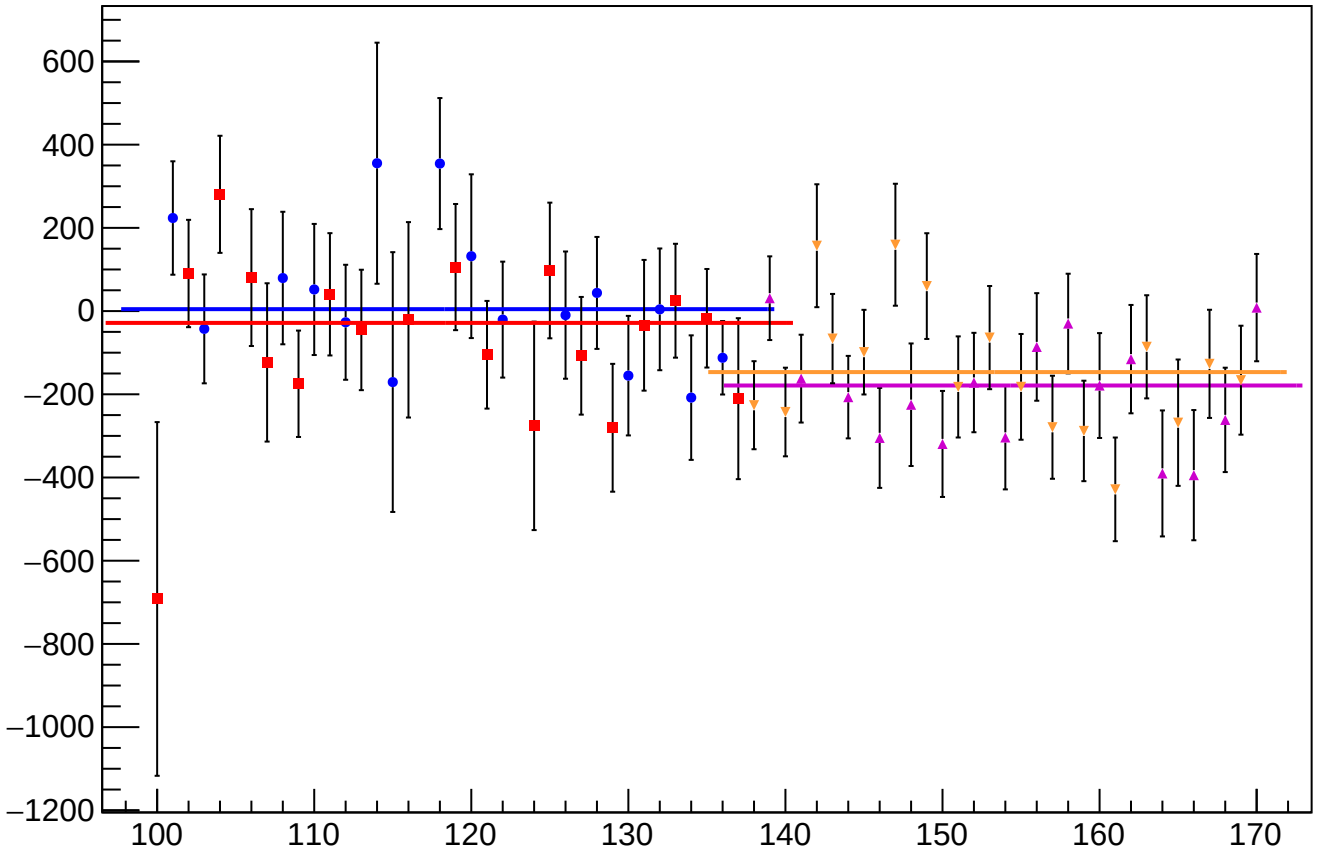
Left: 636.285+/-0.088 χ^2/NDF: 741996.9/32

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 647.427+/-0.103 χ^2/NDF:1243820.3/31

Out: 645.866+/-0.102 χ^2/NDF:1121152.7/35

All: 646.636+/-0.072 χ^2/NDF: 2365088.9/67



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.635+/-29.695 χ^2/NDF:22.6/16

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -178.870+/-30.699 χ^2/NDF:16.6/15

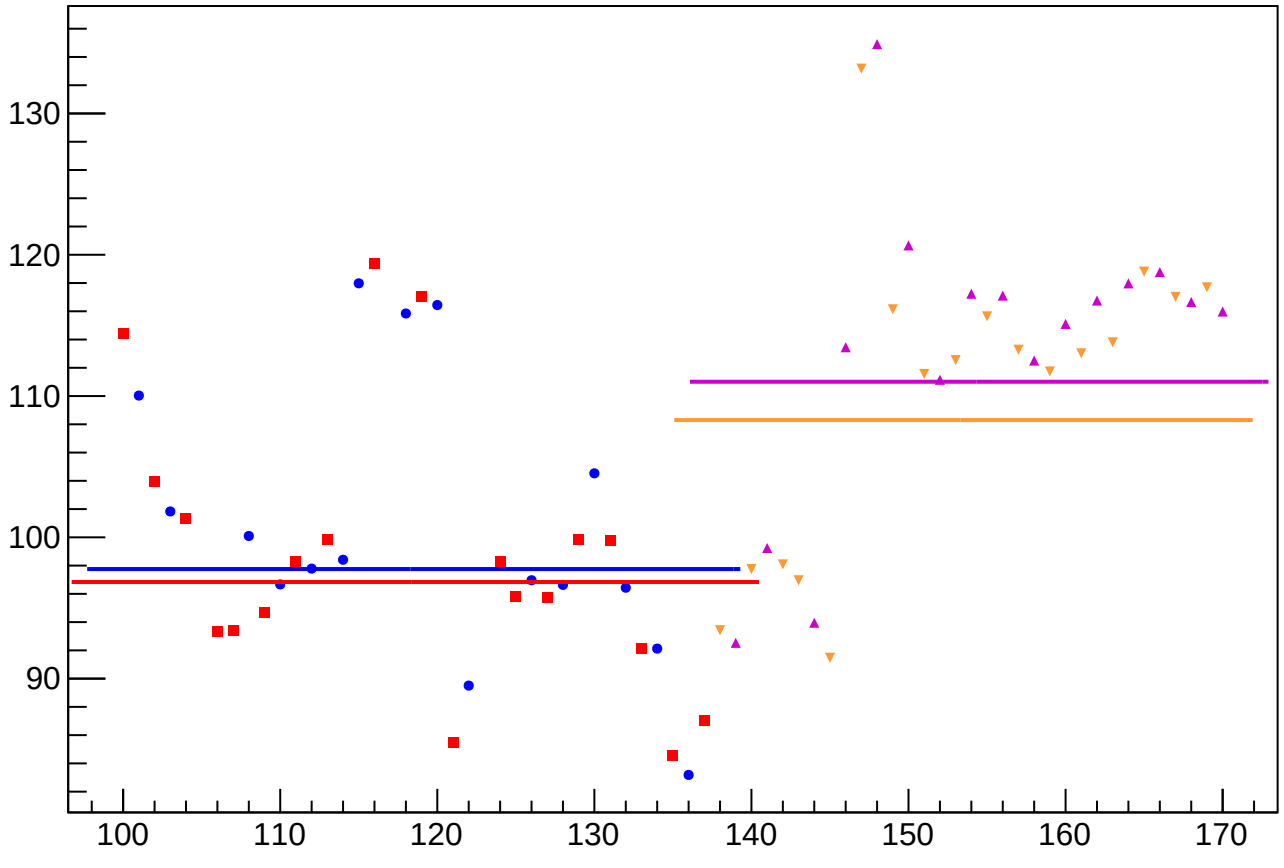
Left: -162.217+/-21.344 χ^2/NDF: 39.7/32

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -102.870+/-23.496 χ^2/NDF:46.7/31

Out: -97.909+/-22.768 χ^2/NDF:46.2/35

All: -100.311+/-16.351 χ^2/NDF: 92.9/67



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 108.300+/-0.021 χ^2/NDF:261971.2/16

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.014+/-0.022 χ^2/NDF:248394.2/15

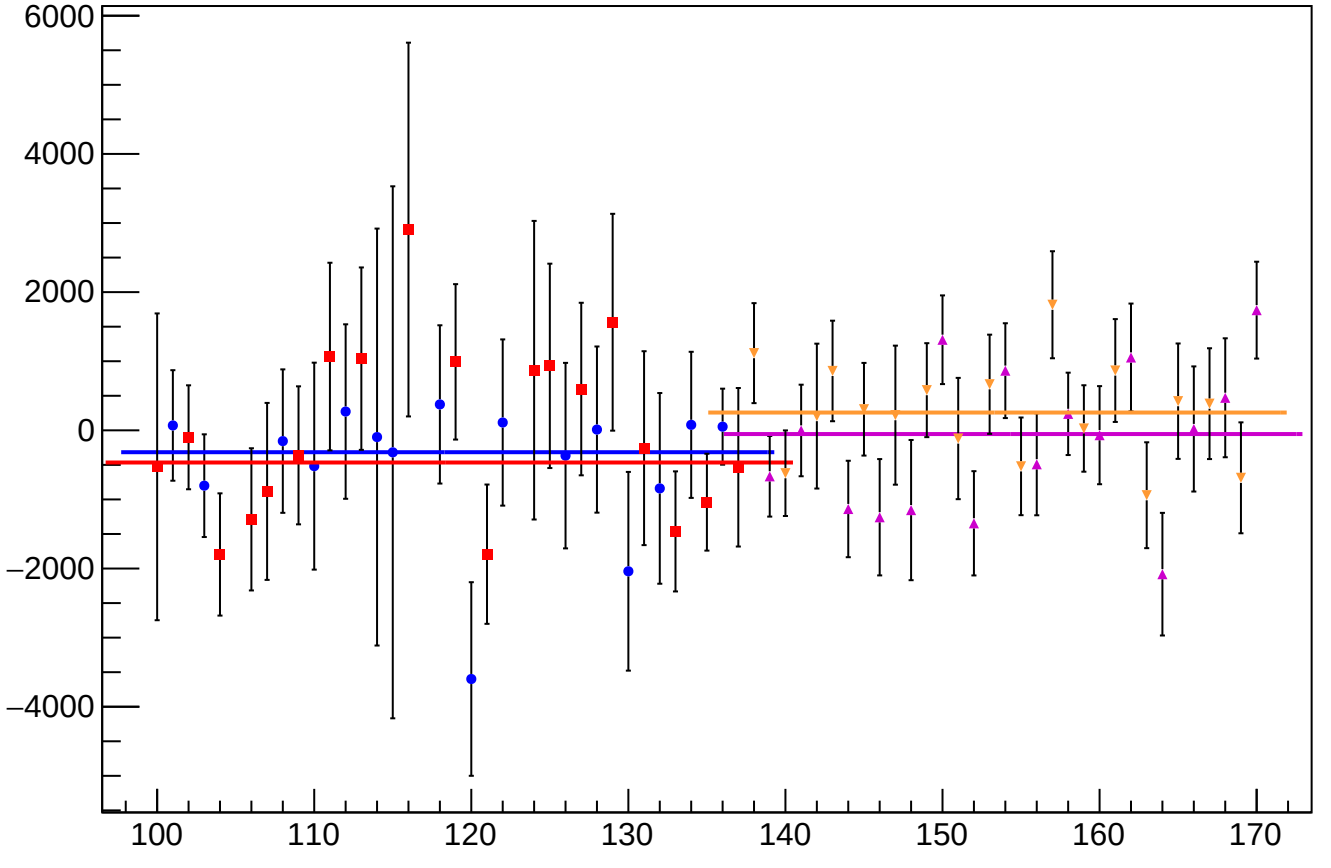
Left: 109.612+/-0.015 χ^2/NDF: 518440.0/32

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 105.523+/-0.017 χ^2/NDF:543554.4/31

Out: 103.577+/-0.016 χ^2/NDF:499918.7/35

All: 104.519+/-0.012 χ^2/NDF: 1050546.5/67



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 257.443+/-181.942 χ^2/NDF:14.8/16

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -53.784+/-182.228 χ^2/NDF:30.7/15

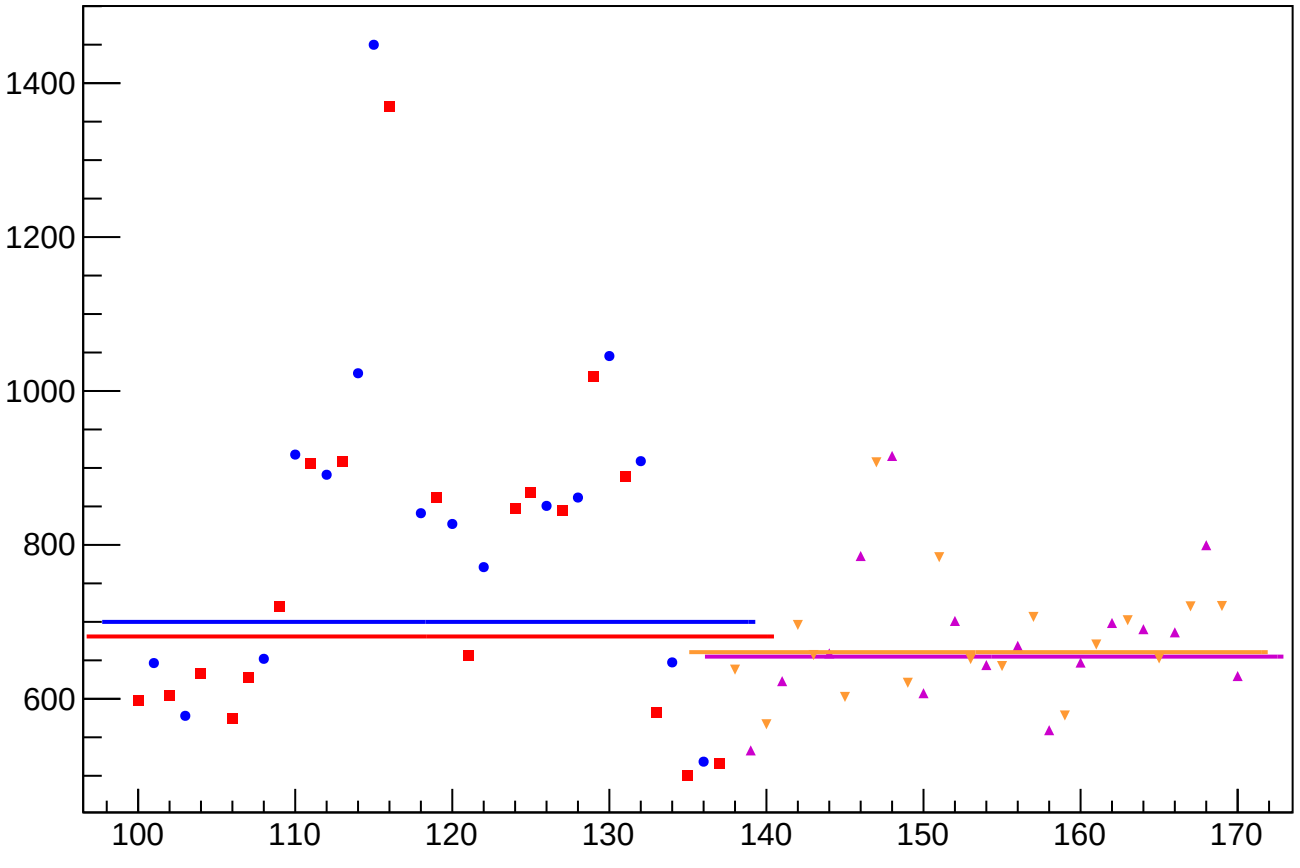
Left: 102.074+/-128.754 χ^2/NDF: 47.0/32

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -137.074+/-150.606 χ^2/NDF:40.5/31

Out: 15.612+/-148.428 χ^2/NDF:36.6/35

All: -59.619+/-105.716 χ^2/NDF: 77.6/67



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 660.655+/-0.129 χ^2/NDF:303512.3/16

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 654.838+/-0.129 χ^2/NDF:414892.3/15

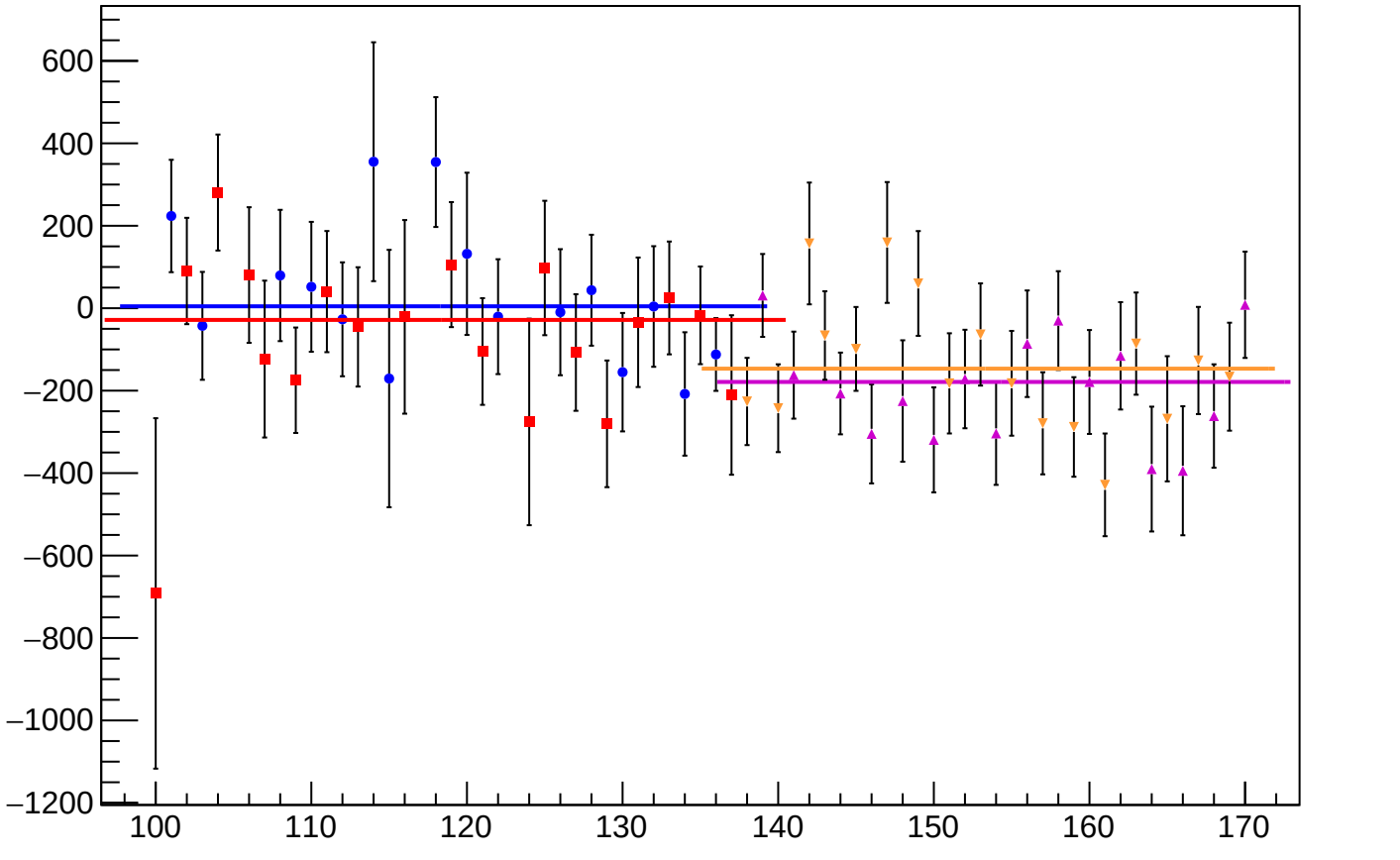
Left: 657.751+/-0.091 χ^2/NDF: 719425.1/32

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 669.144+/-0.106 χ^2/NDF:1207444.9/31

Out: 667.465+/-0.105 χ^2/NDF:1081287.5/35

All: 668.292+/-0.075 χ^2/NDF: 2288858.3/67



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.636+/-29.695 χ^2/NDF:22.6/16

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -178.870+/-30.699 χ^2/NDF:16.6/15

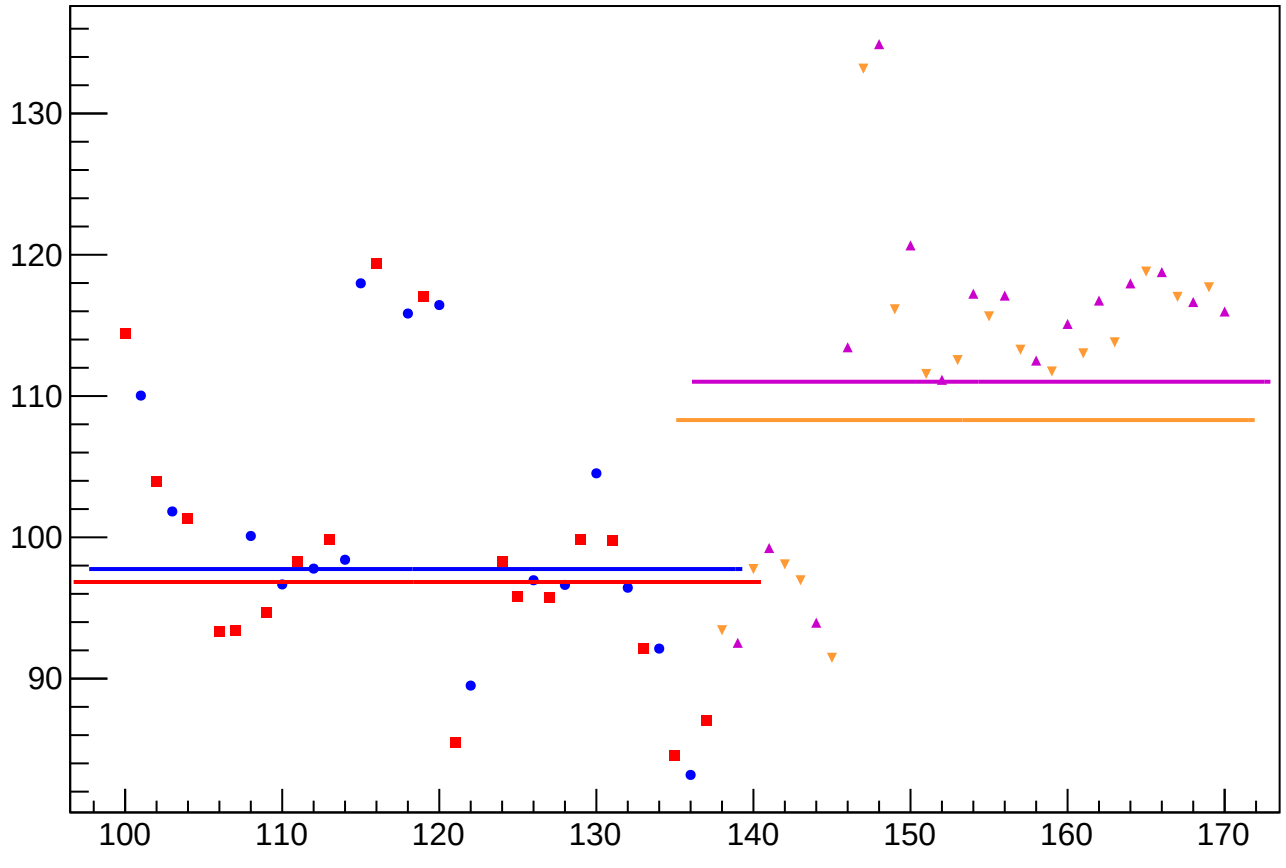
Left: -162.217+/-21.344 χ^2/NDF: 39.7/32

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -102.869+/-23.496 χ^2/NDF:46.7/31

Out: -97.909+/-22.768 χ^2/NDF:46.2/35

All: -100.311+/-16.351 χ^2/NDF: 92.9/67



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 108.300+/-0.021 χ^2/NDF:261970.5/16

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.014+/-0.022 χ^2/NDF:248391.4/15

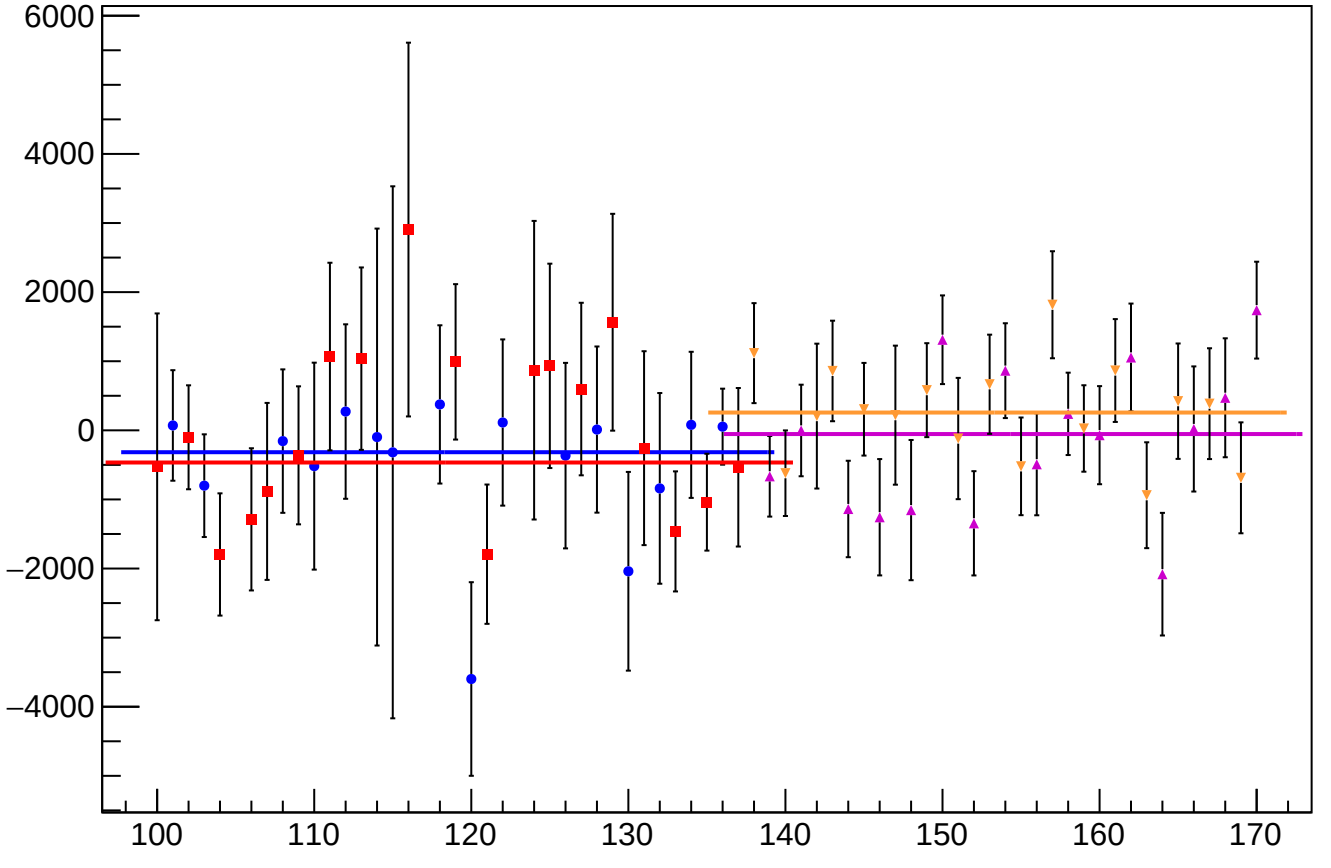
Left: 109.612+/-0.015 χ^2/NDF: 518436.6/32

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 105.523+/-0.017 χ^2/NDF:543561.1/31

Out: 103.577+/-0.016 χ^2/NDF:499928.9/35

All: 104.519+/-0.012 χ^2/NDF: 1050563.6/67



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 257.444+/-181.942 χ^2/NDF:14.8/16

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -53.784+/-182.228 χ^2/NDF:30.7/15

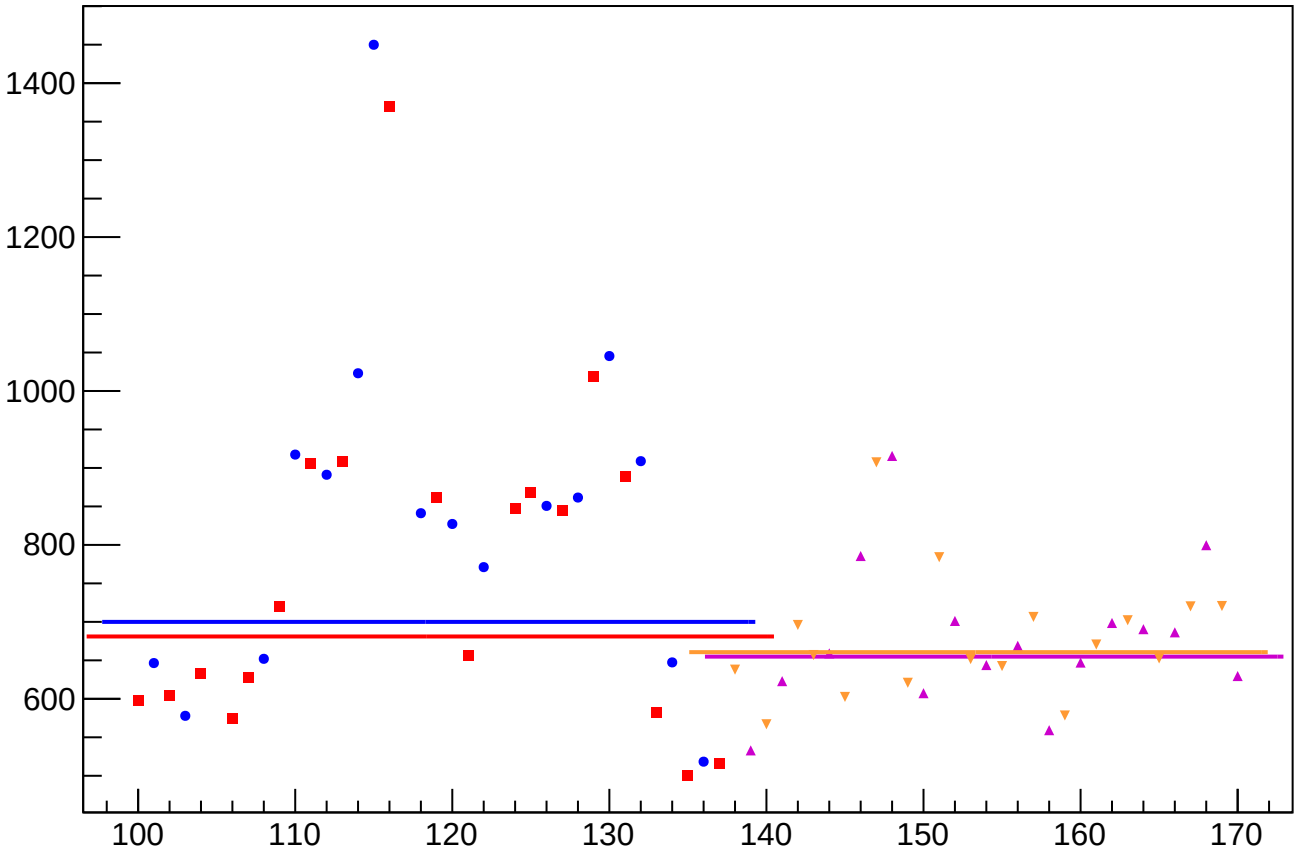
Left: 102.074+/-128.754 χ^2/NDF: 47.0/32

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -137.074+/-150.606 χ^2/NDF:40.5/31

Out: 15.611+/-148.428 χ^2/NDF:36.6/35

All: -59.620+/-105.716 χ^2/NDF: 77.6/67



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 660.656+/-0.129 χ^2/NDF:303512.5/16

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 654.839+/-0.129 χ^2/NDF:414892.6/15

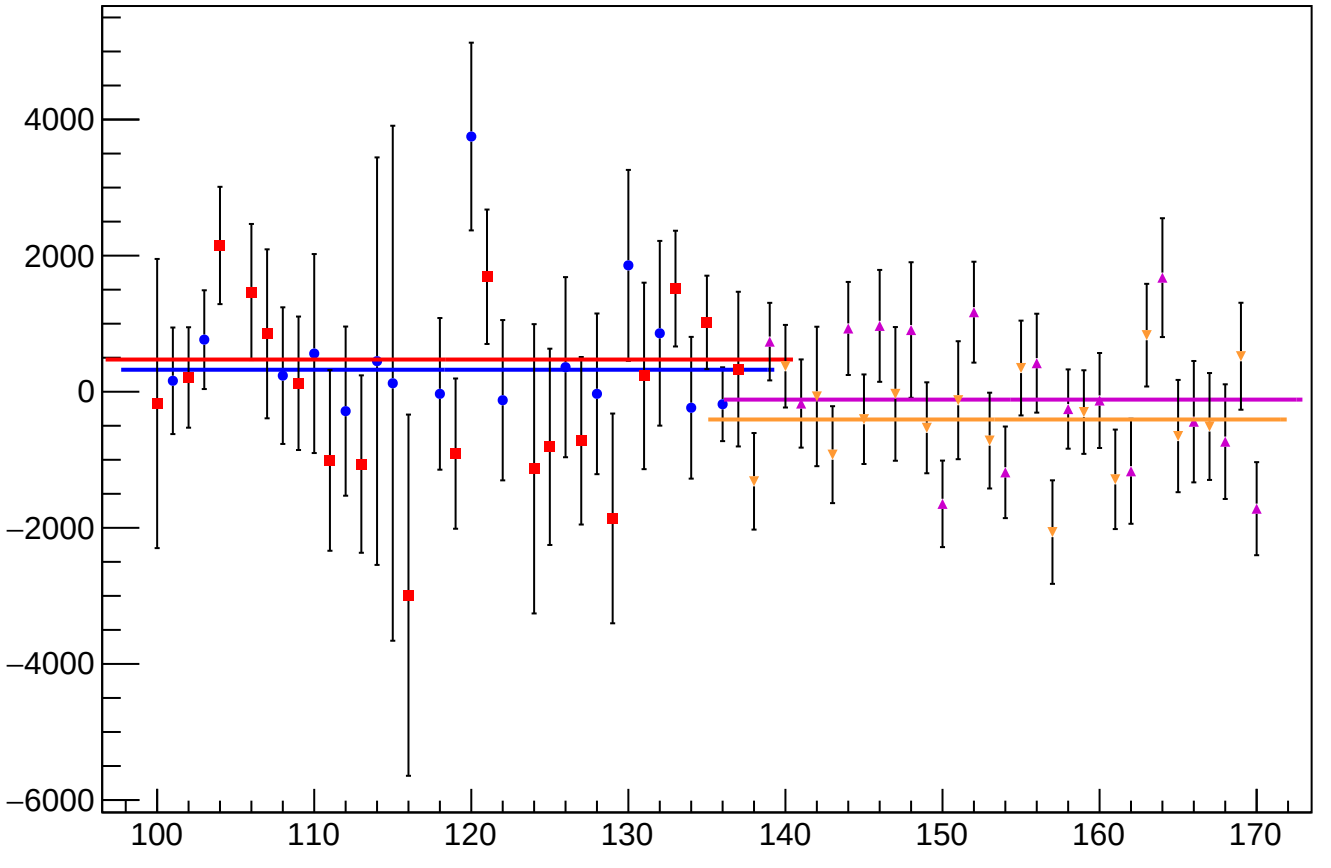
Left: 657.752+/-0.091 χ^2/NDF: 719425.7/32

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 669.144+/-0.106 χ^2/NDF:1207444.5/31

Out: 667.465+/-0.105 χ^2/NDF:1081289.0/35

All: 668.292+/-0.075 χ^2/NDF: 2288859.4/67



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -407.782+/-178.637 χ^2/NDF:16.0/16

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -115.705+/-178.820 χ^2/NDF:31.5/15

Left: -261.893+/-126.380 χ^2/NDF: 48.9/32

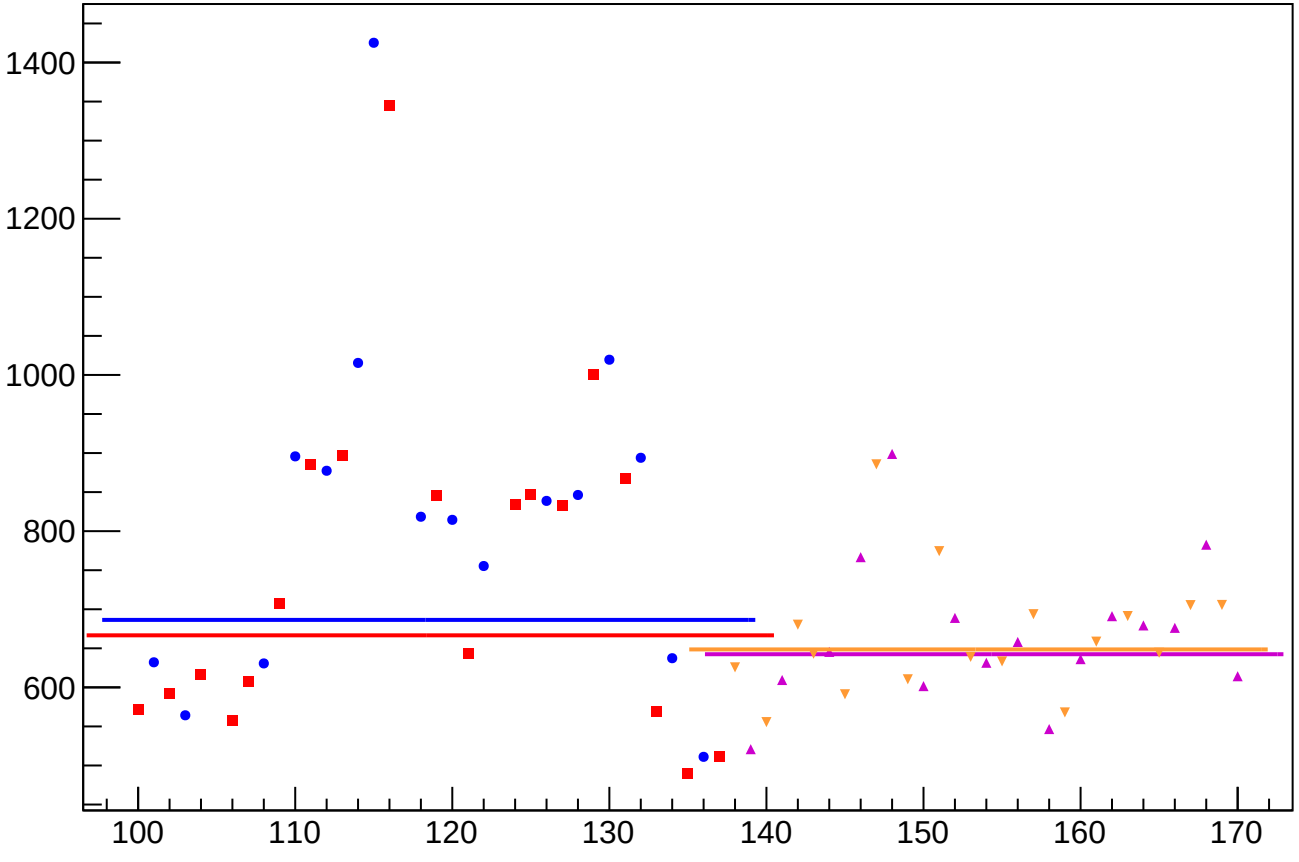
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 23.535+/-147.757 χ^2/NDF:43.2/31

Out: -112.085+/-145.605 χ^2/NDF:43.6/35

All: -45.270+/-103.711 χ^2/NDF: 87.2/67

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 648.602+/-0.126 χ^2/NDF:302015.9/16

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.449+/-0.126 χ^2/NDF:419509.2/15

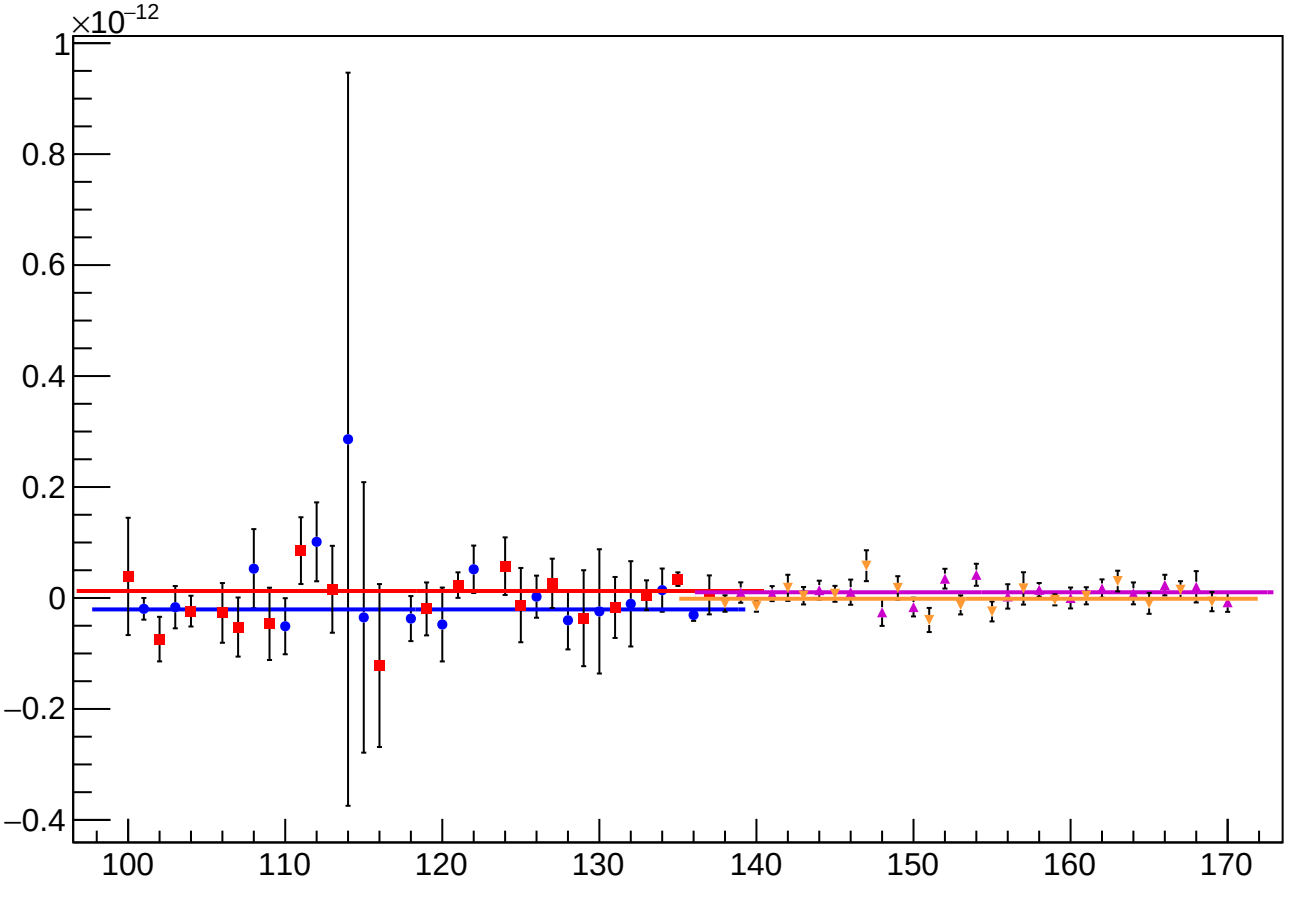
Left: 645.528+/-0.089 χ^2/NDF: 722710.6/32

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 656.390+/-0.104 χ^2/NDF:1207283.8/31

Out: 654.654+/-0.103 χ^2/NDF:1085889.5/35

All: 655.509+/-0.073 χ^2/NDF: 2293313.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/15

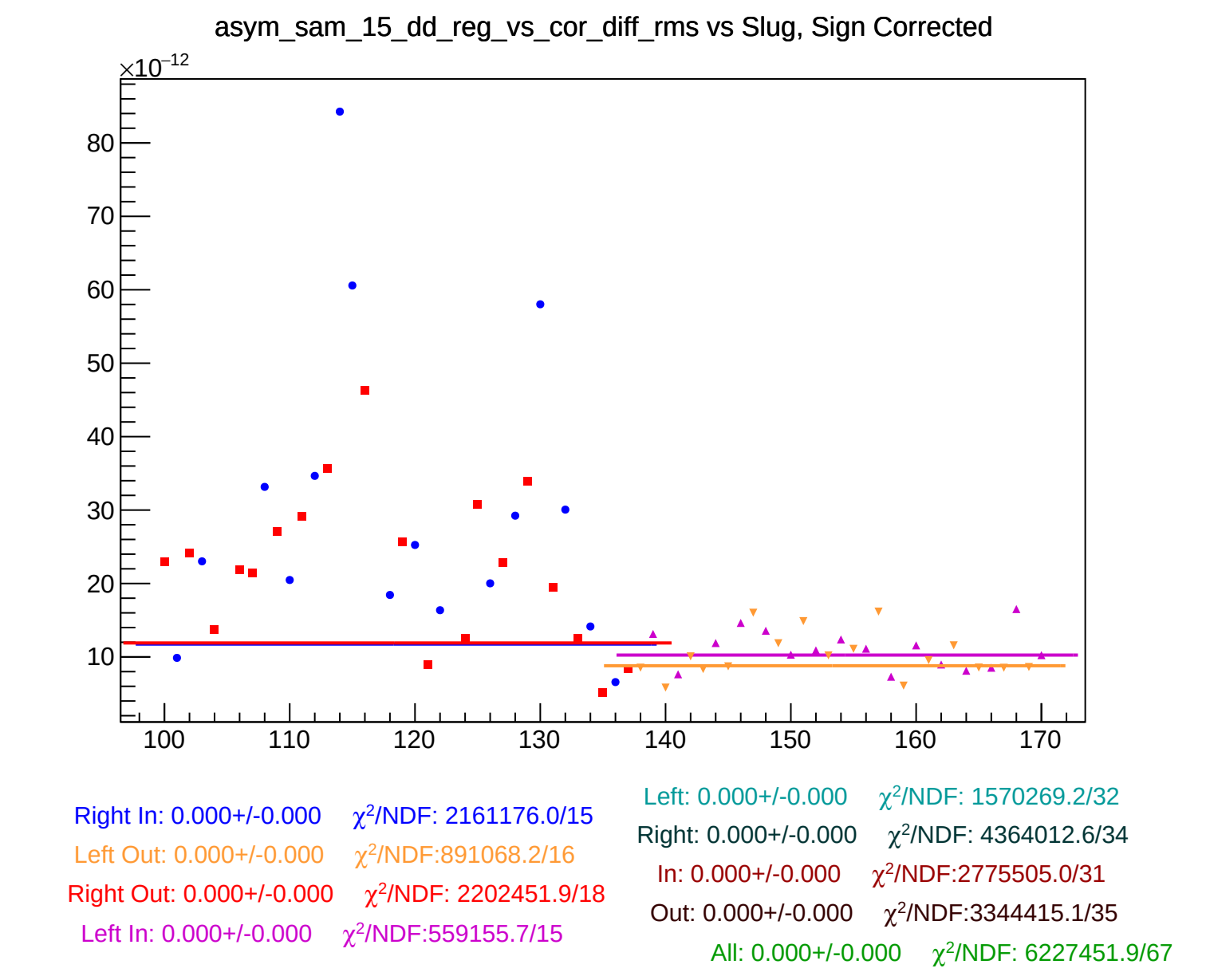
Left: 0.000+/-0.000 χ^2/NDF: 34.2/32

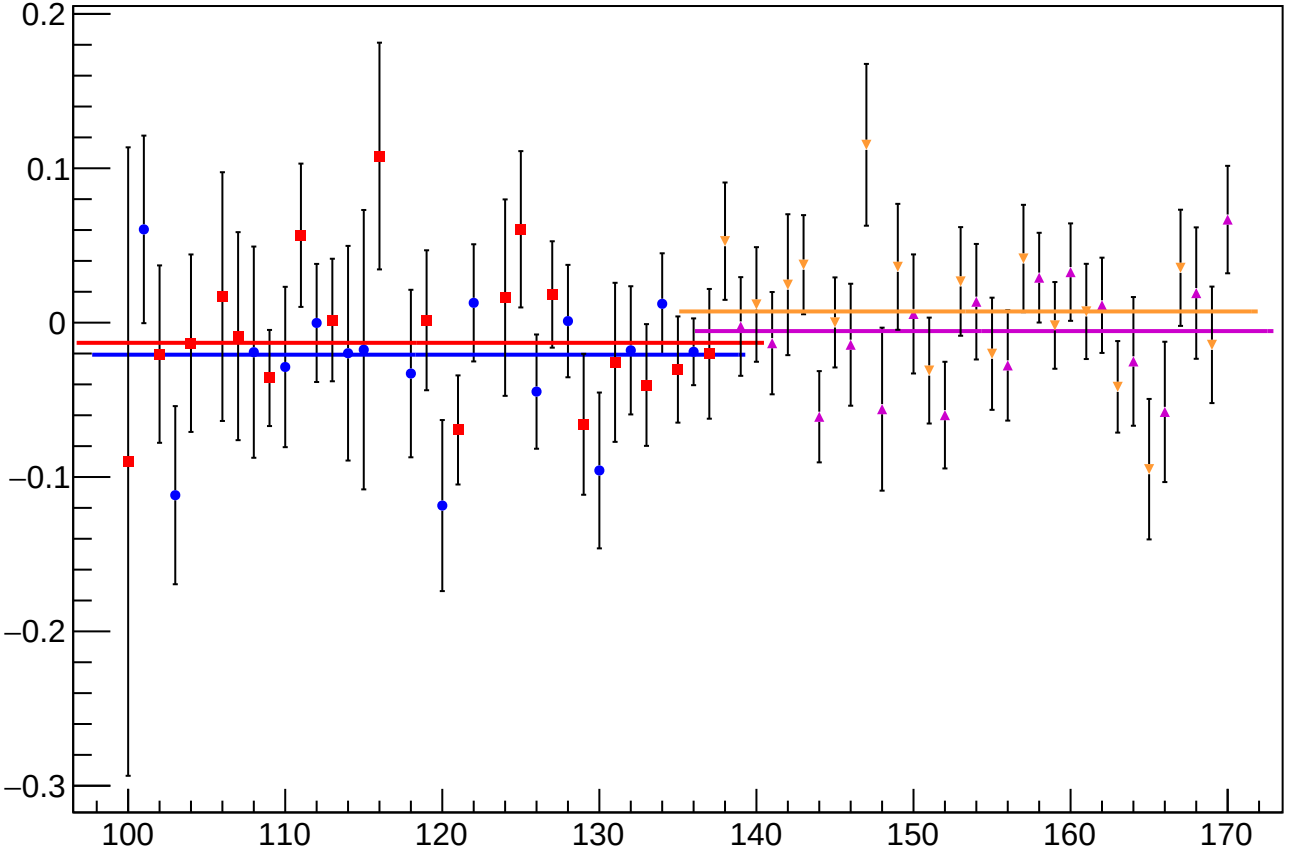
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:33.3/31

Out: 0.000+/-0.000 χ^2/NDF:38.4/35

All: 0.000+/-0.000 χ^2/NDF: 71.8/67


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:891068.2/16
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:559155.7/15
Left: 0.000+/-0.000 χ²/NDF: 1570269.2/32
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2775505.0/31
Out: 0.000+/-0.000 χ²/NDF:3344415.1/35
All: 0.000+/-0.000 χ²/NDF: 6227451.9/67



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:19.1/16

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.1/15

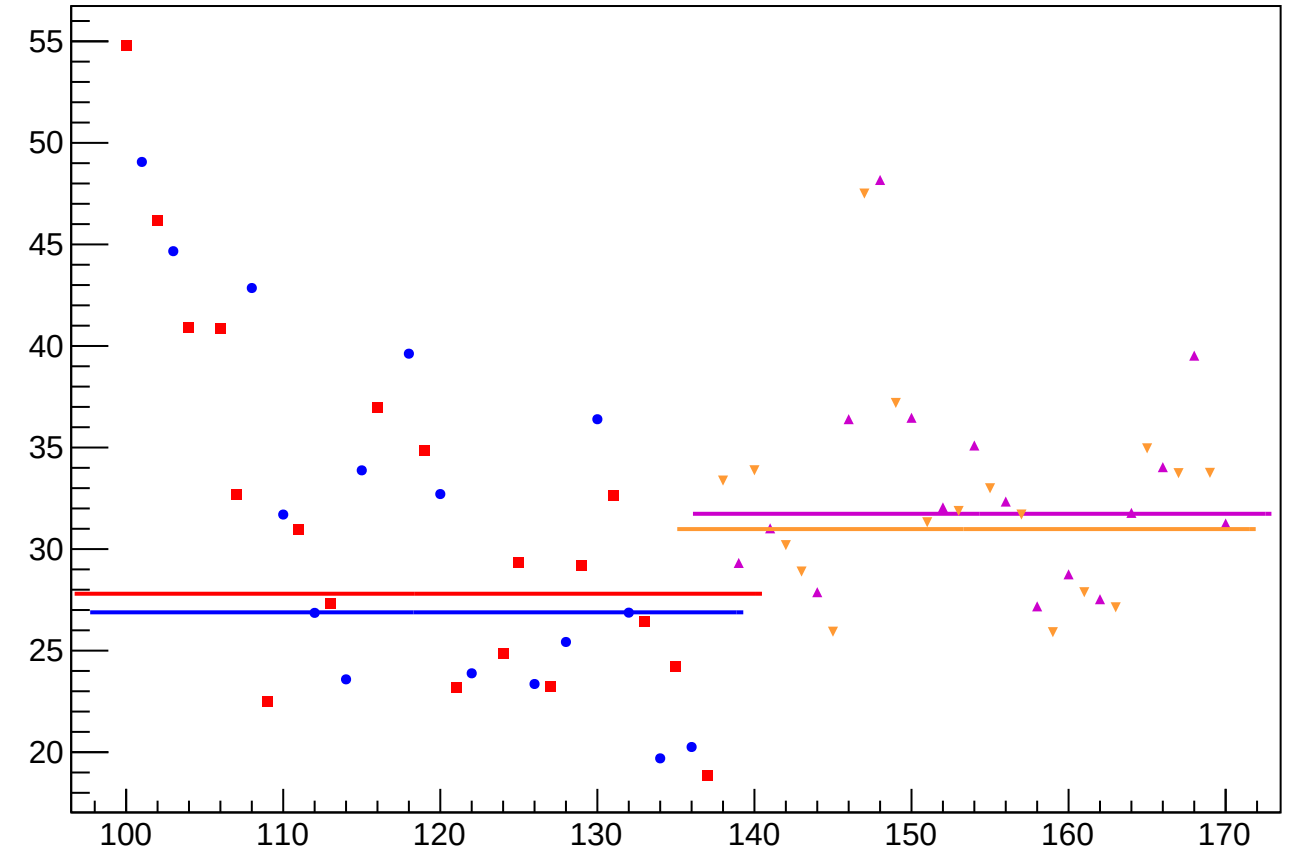
Left: 0.001+/-0.006 χ^2/NDF: 37.3/32

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: -0.001+/-0.007 χ^2/NDF:35.3/35

All: -0.006+/-0.005 χ^2/NDF: 67.5/67



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.985+/-0.006 χ^2/NDF:498795.4/16

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.738+/-0.006 χ^2/NDF:491648.6/15

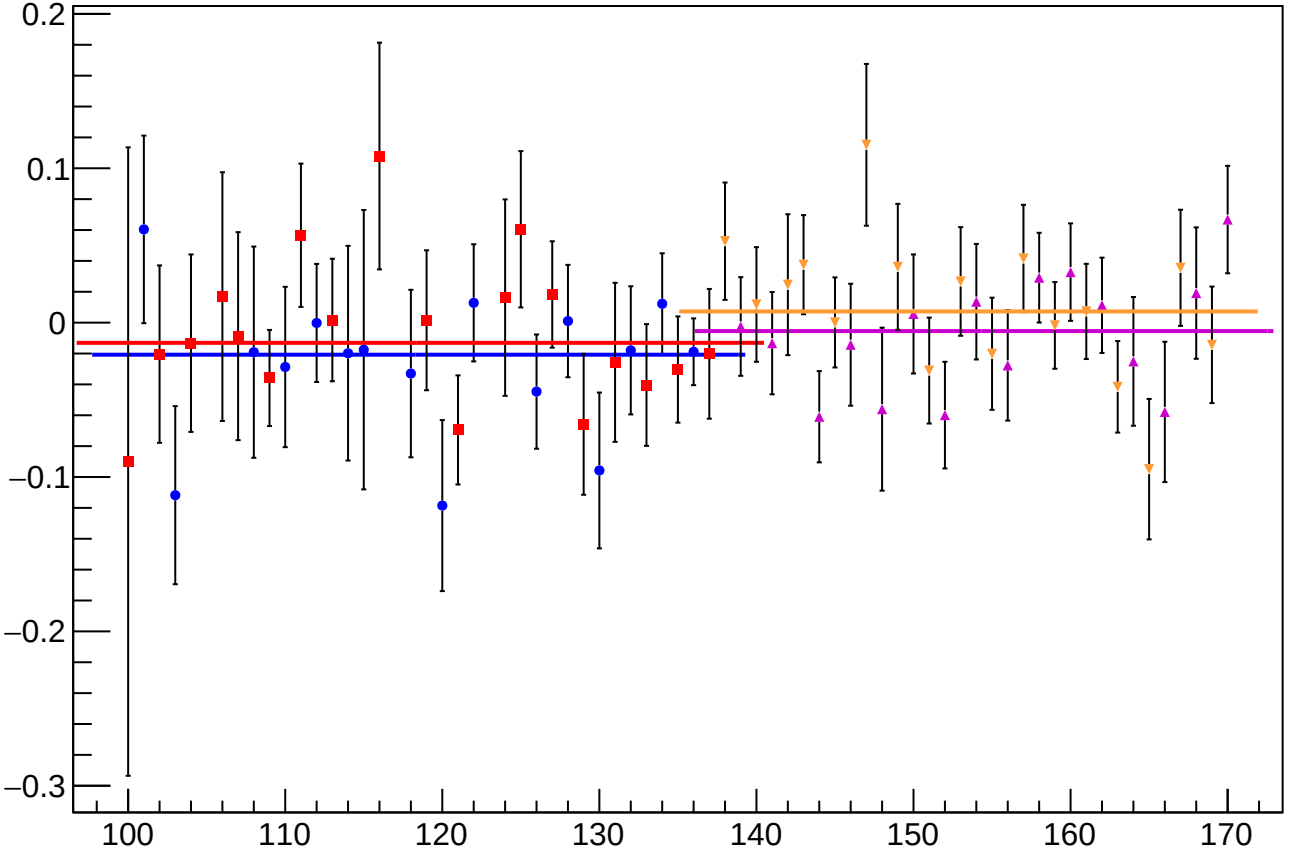
Left: 31.349+/-0.004 χ^2/NDF: 997894.5/32

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.720+/-0.005 χ^2/NDF:1861182.3/31

Out: 29.717+/-0.005 χ^2/NDF:1371632.0/35

All: 29.719+/-0.003 χ^2/NDF: 3232814.5/67



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:19.1/16

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.1/15

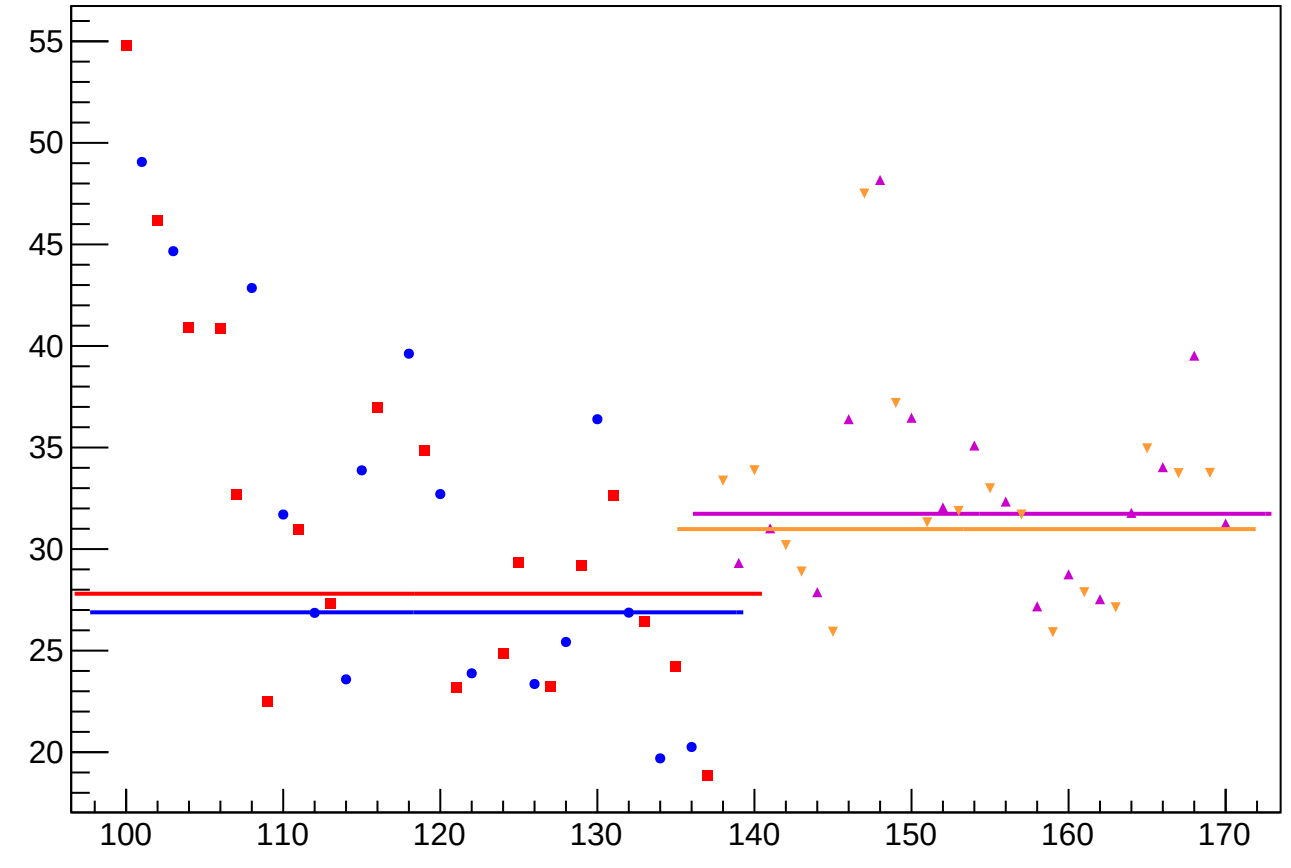
Left: 0.001+/-0.006 χ^2/NDF: 37.3/32

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: -0.001+/-0.007 χ^2/NDF:35.3/35

All: -0.006+/-0.005 χ^2/NDF: 67.5/67



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.985+/-0.006 χ^2/NDF:498795.4/16

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.738+/-0.006 χ^2/NDF:491648.6/15

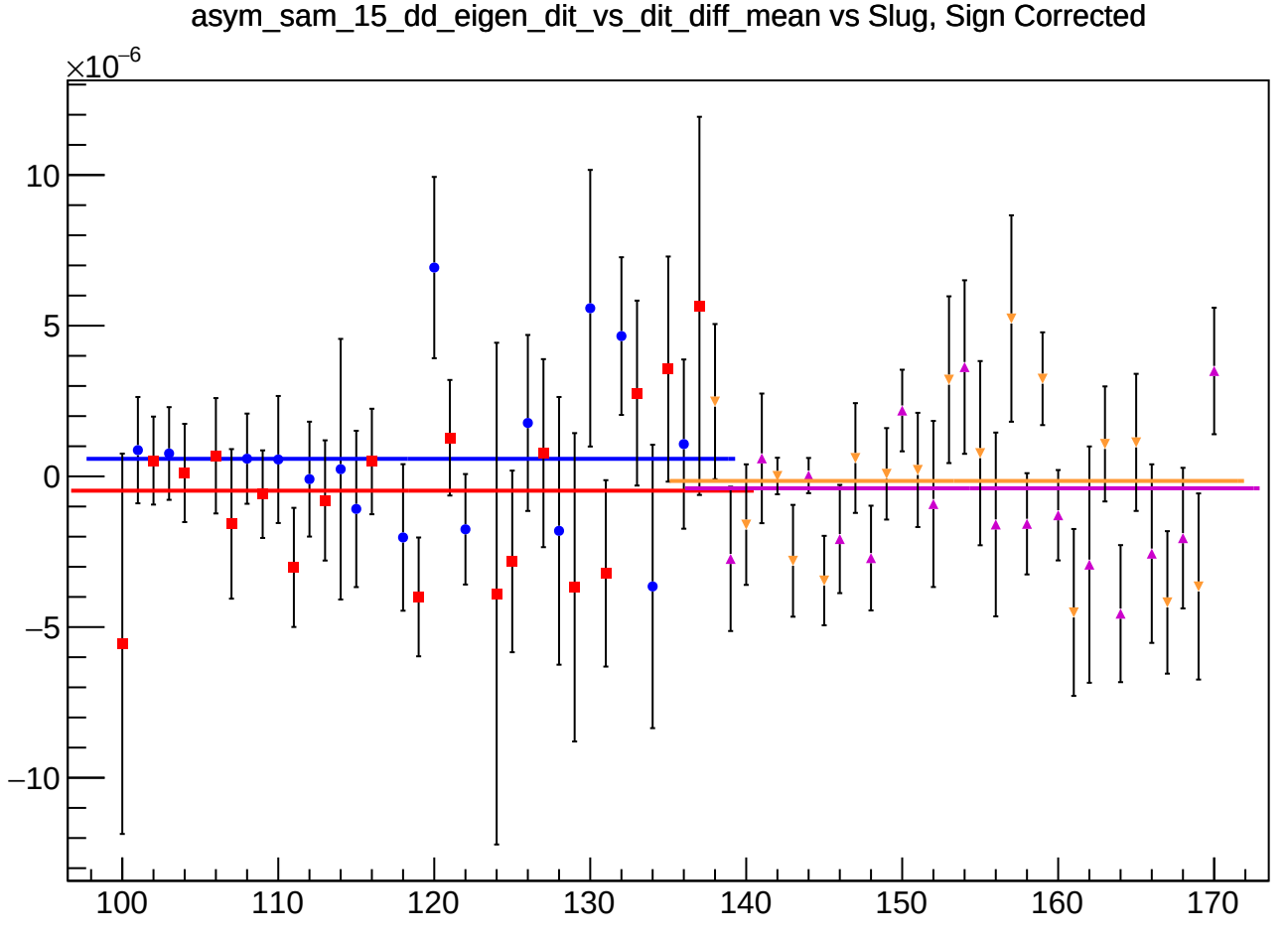
Left: 31.349+/-0.004 χ^2/NDF: 997894.5/32

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.720+/-0.005 χ^2/NDF:1861182.3/31

Out: 29.717+/-0.005 χ^2/NDF:1371632.0/35

All: 29.719+/-0.003 χ^2/NDF: 3232814.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/15

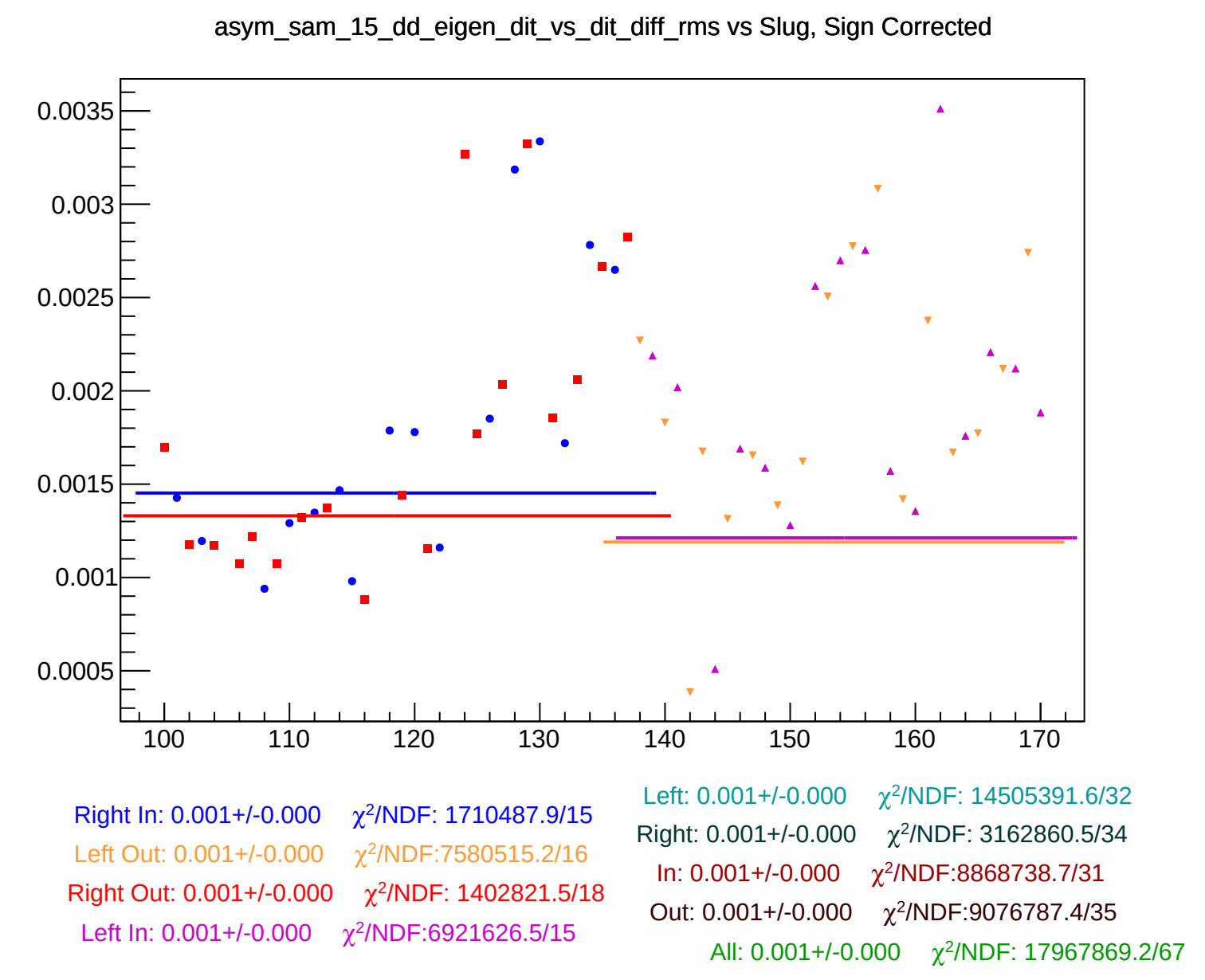
Left: -0.000+/-0.000 χ^2/NDF: 44.6/32

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

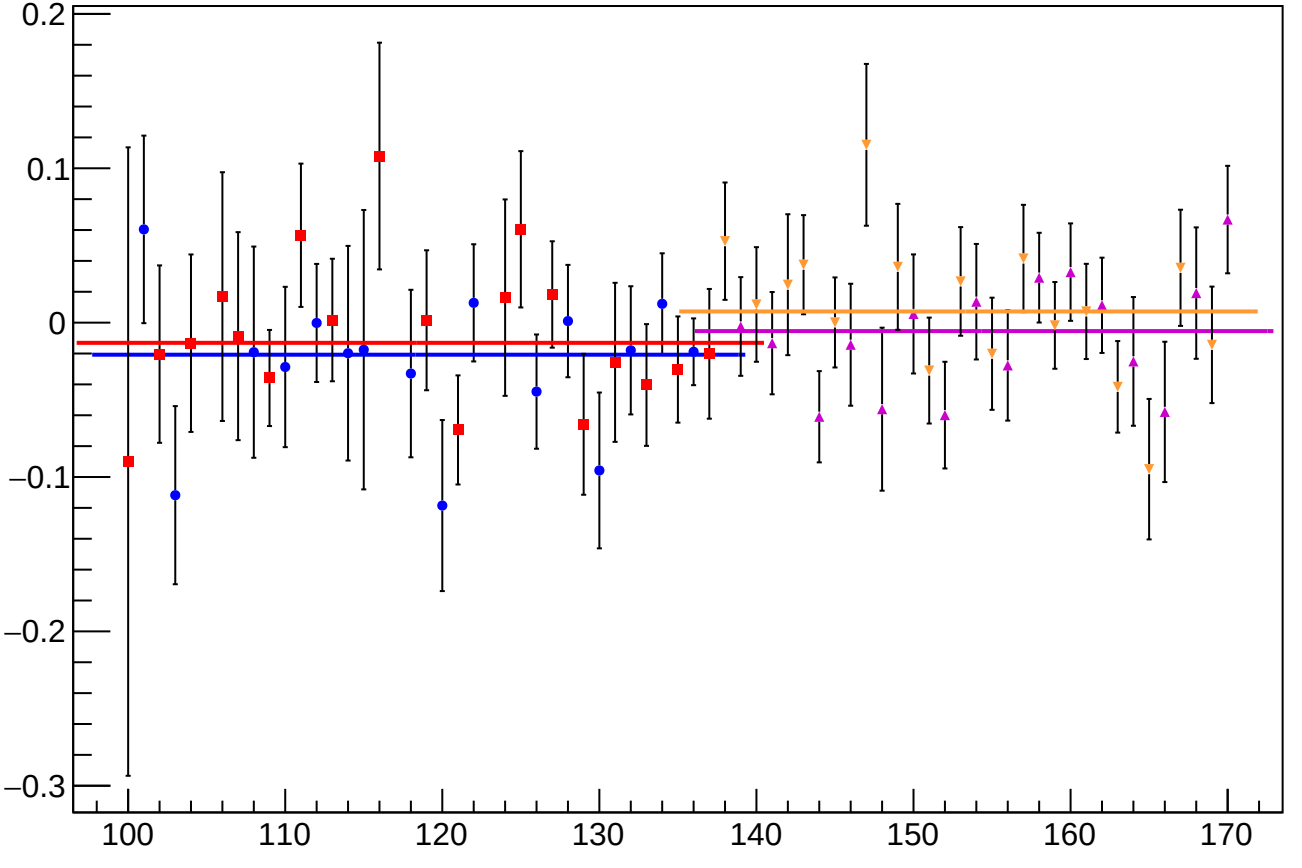
In: -0.000+/-0.000 χ^2/NDF:33.9/31

Out: -0.000+/-0.000 χ^2/NDF:38.6/35

All: -0.000+/-0.000 χ^2/NDF: 72.7/67


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:7580515.2/16
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6921626.5/15
Left: 0.001+/-0.000 χ²/NDF: 14505391.6/32
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8868738.7/31
Out: 0.001+/-0.000 χ²/NDF:9076787.4/35
All: 0.001+/-0.000 χ²/NDF: 17967869.2/67

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:19.1/16

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.1/15

Left: 0.001+/-0.006 χ^2/NDF: 37.3/32

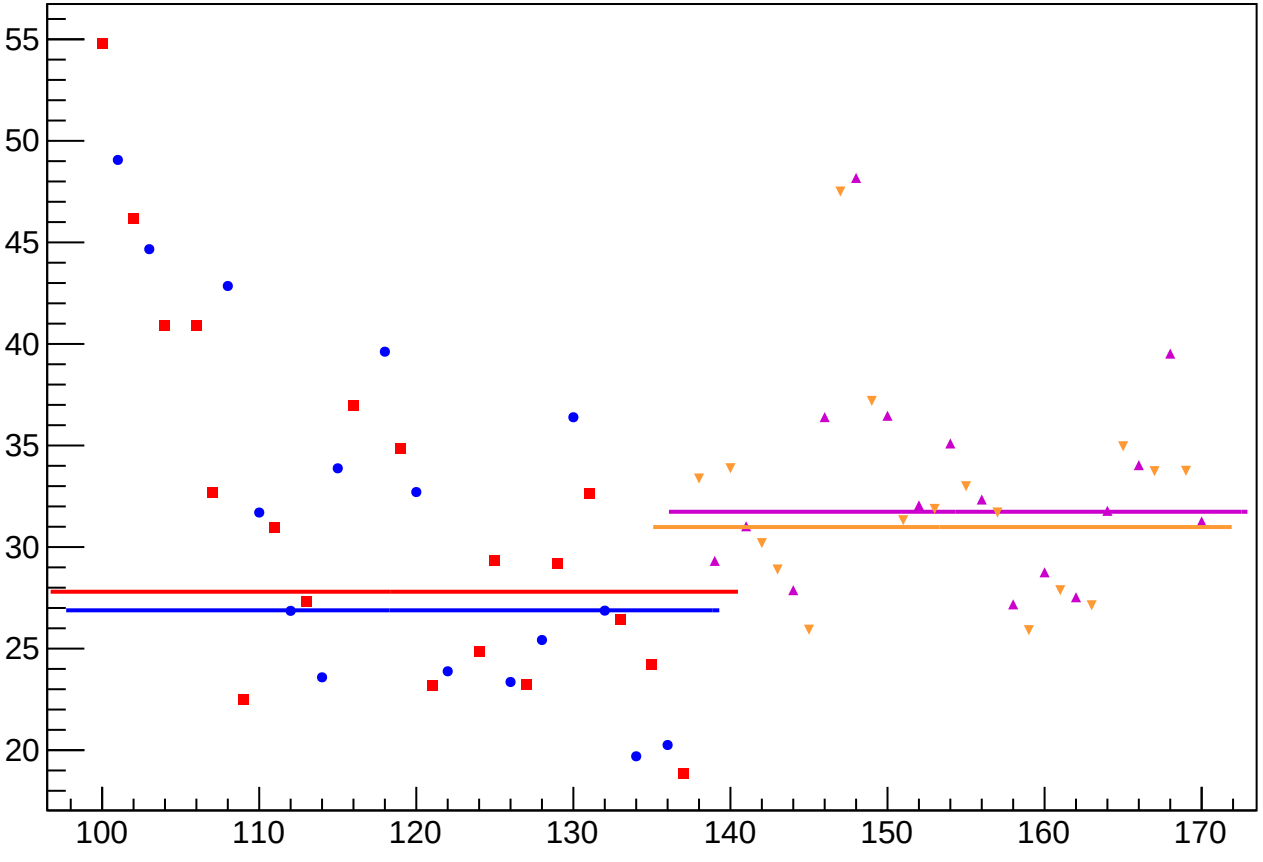
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: -0.001+/-0.007 χ^2/NDF:35.3/35

All: -0.006+/-0.005 χ^2/NDF: 67.5/67

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.985+/-0.006 χ^2/NDF:498919.5/16

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.738+/-0.006 χ^2/NDF:491744.4/15

Left: 31.349+/-0.004 χ^2/NDF: 998115.2/32

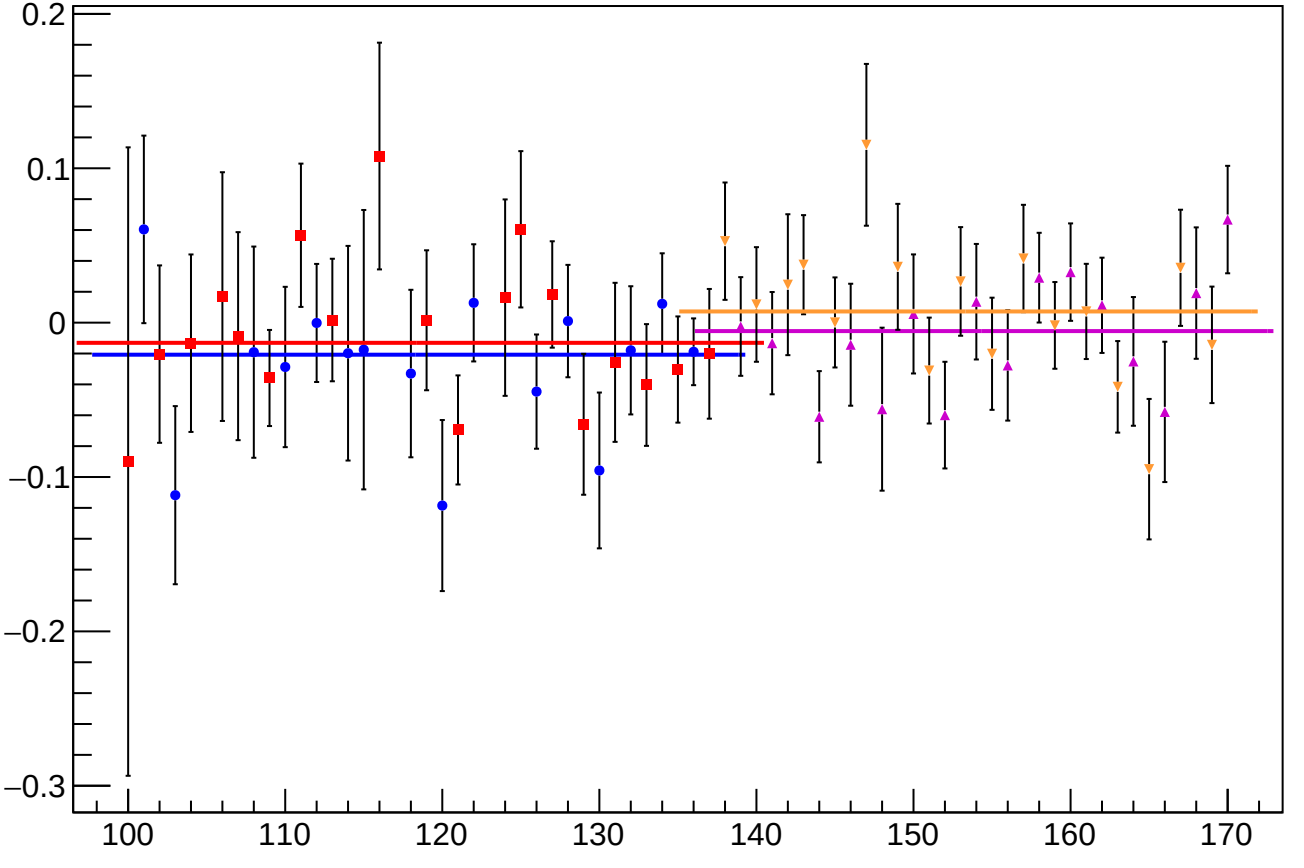
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.719+/-0.005 χ^2/NDF:1861378.9/31

Out: 29.717+/-0.005 χ^2/NDF:1371954.6/35

All: 29.718+/-0.003 χ^2/NDF: 3233333.7/67

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:19.1/16

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.1/15

Left: 0.001+/-0.006 χ^2/NDF: 37.3/32

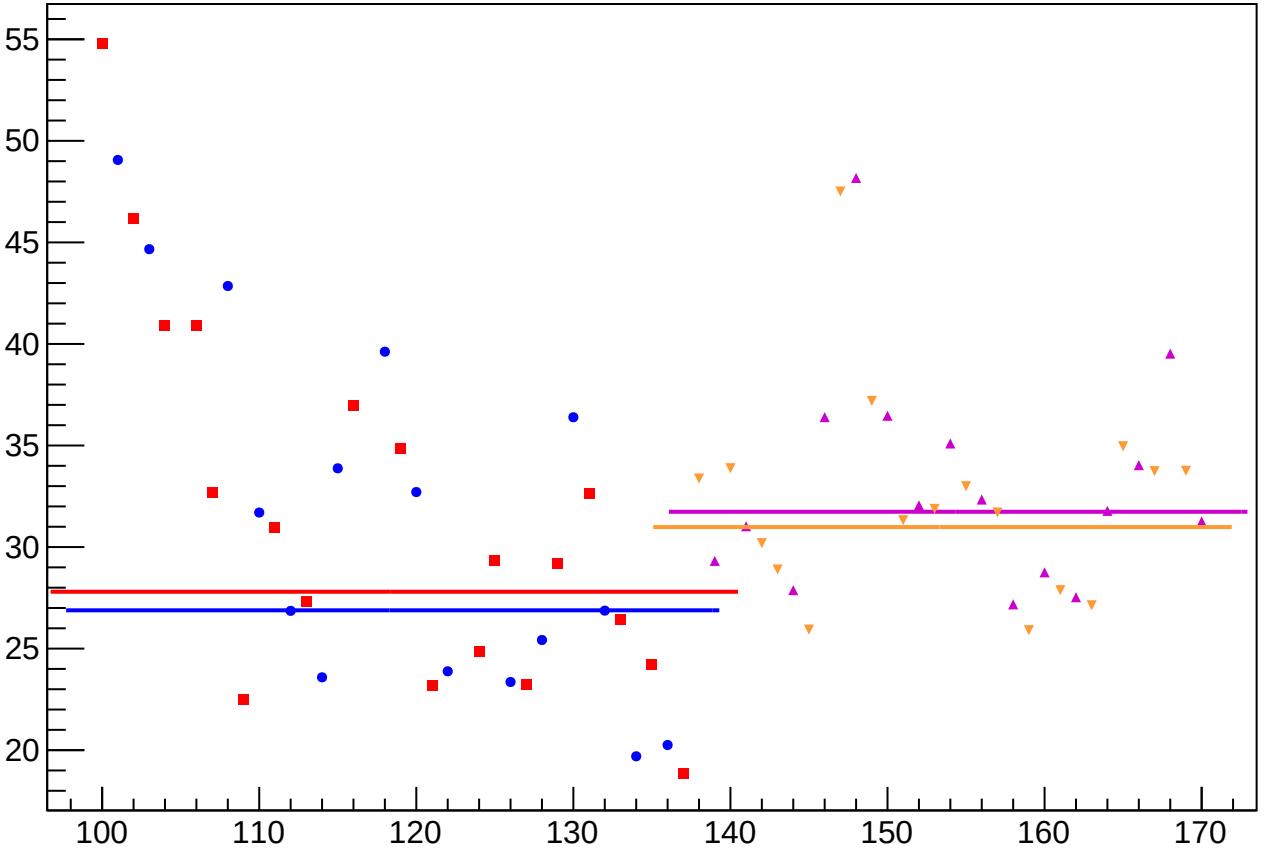
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: -0.001+/-0.007 χ^2/NDF:35.3/35

All: -0.006+/-0.005 χ^2/NDF: 67.5/67

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.985+/-0.006 χ^2/NDF:498919.5/16

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.738+/-0.006 χ^2/NDF:491744.4/15

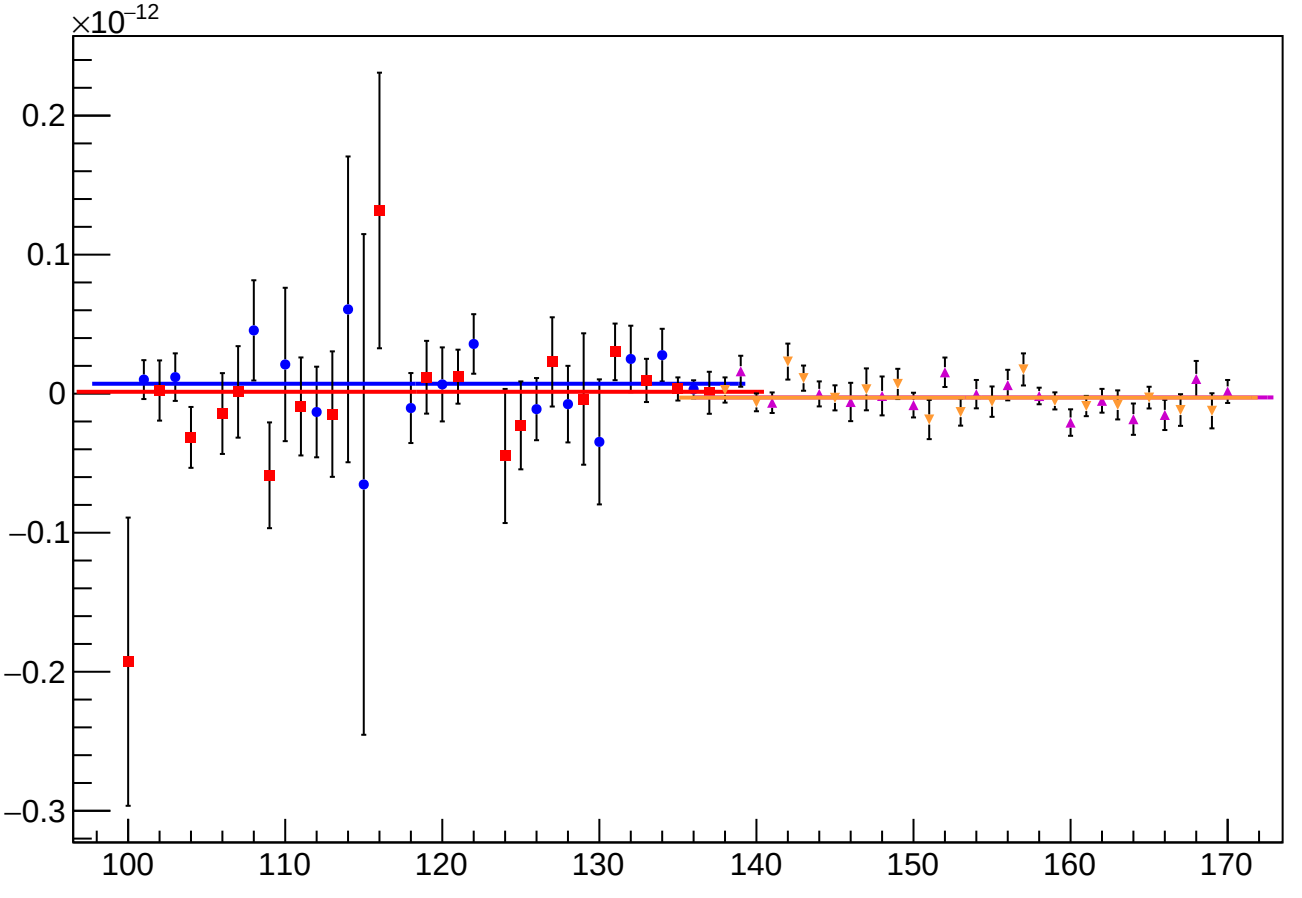
Left: 31.349+/-0.004 χ^2/NDF: 998115.2/32

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.719+/-0.005 χ^2/NDF:1861378.9/31

Out: 29.717+/-0.005 χ^2/NDF:1371954.6/35

All: 29.718+/-0.003 χ^2/NDF: 3233333.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/15

Left: -0.000+/-0.000 χ^2/NDF: 31.4/32

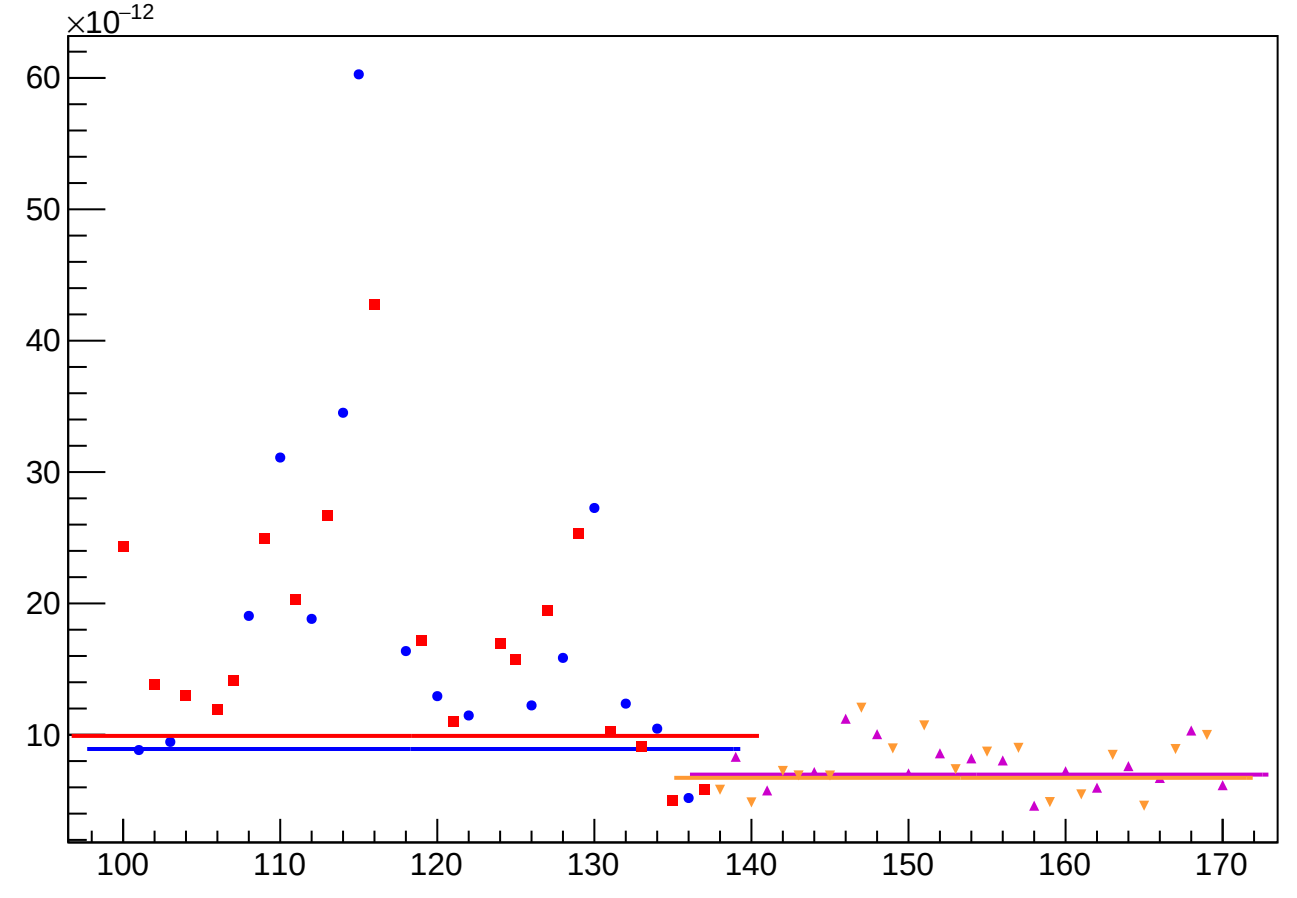
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/31

Out: -0.000+/-0.000 χ^2/NDF:31.7/35

All: -0.000+/-0.000 χ^2/NDF: 59.5/67

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:1497158.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:970881.8/15

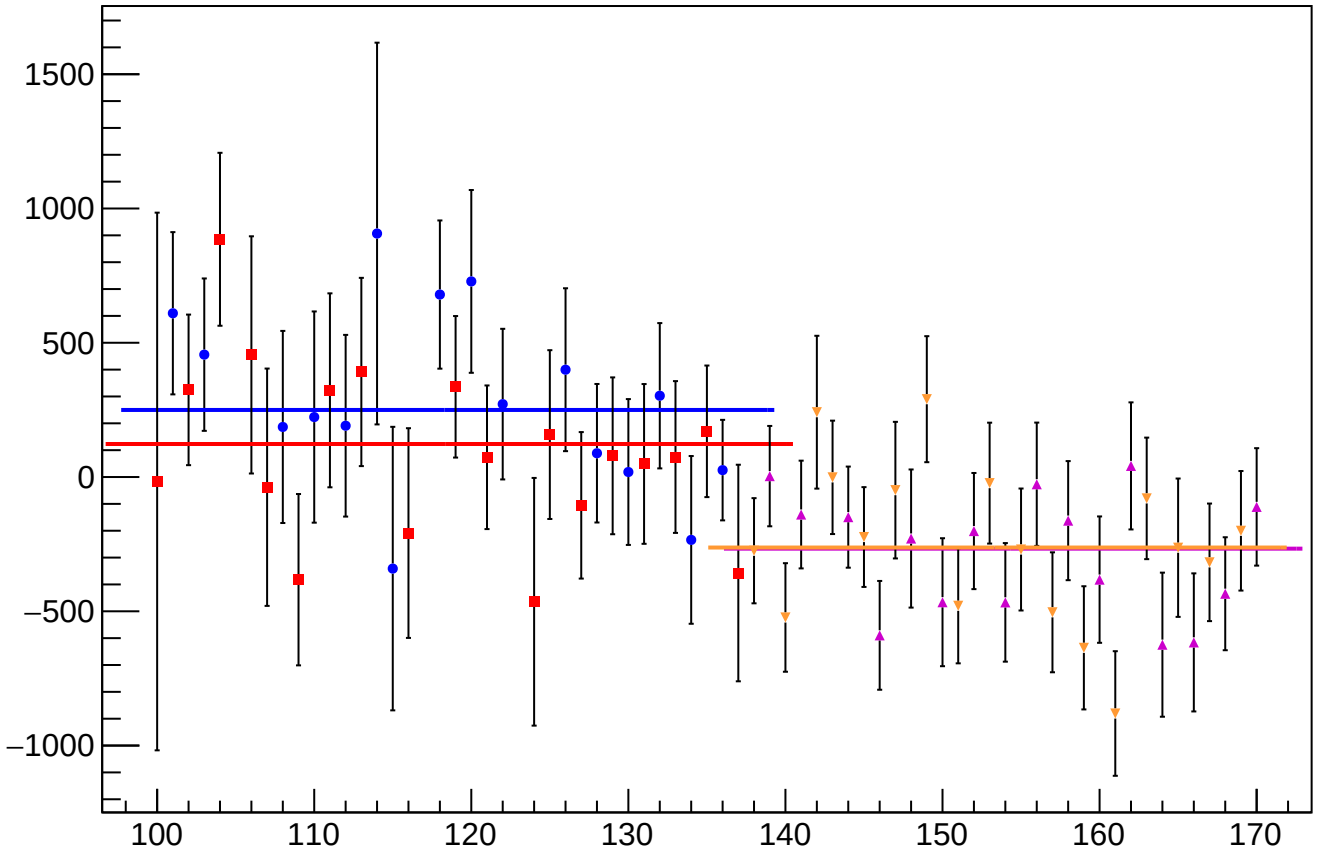
Left: 0.000+/-0.000 χ^2/NDF: 2479224.6/32

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3659790.6/31

Out: 0.000+/-0.000 χ^2/NDF:4855341.0/35

All: 0.000+/-0.000 χ^2/NDF: 8517754.4/67



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.562+/-54.069 χ^2/NDF:26.5/16

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -266.744+/-55.177 χ^2/NDF:15.1/15

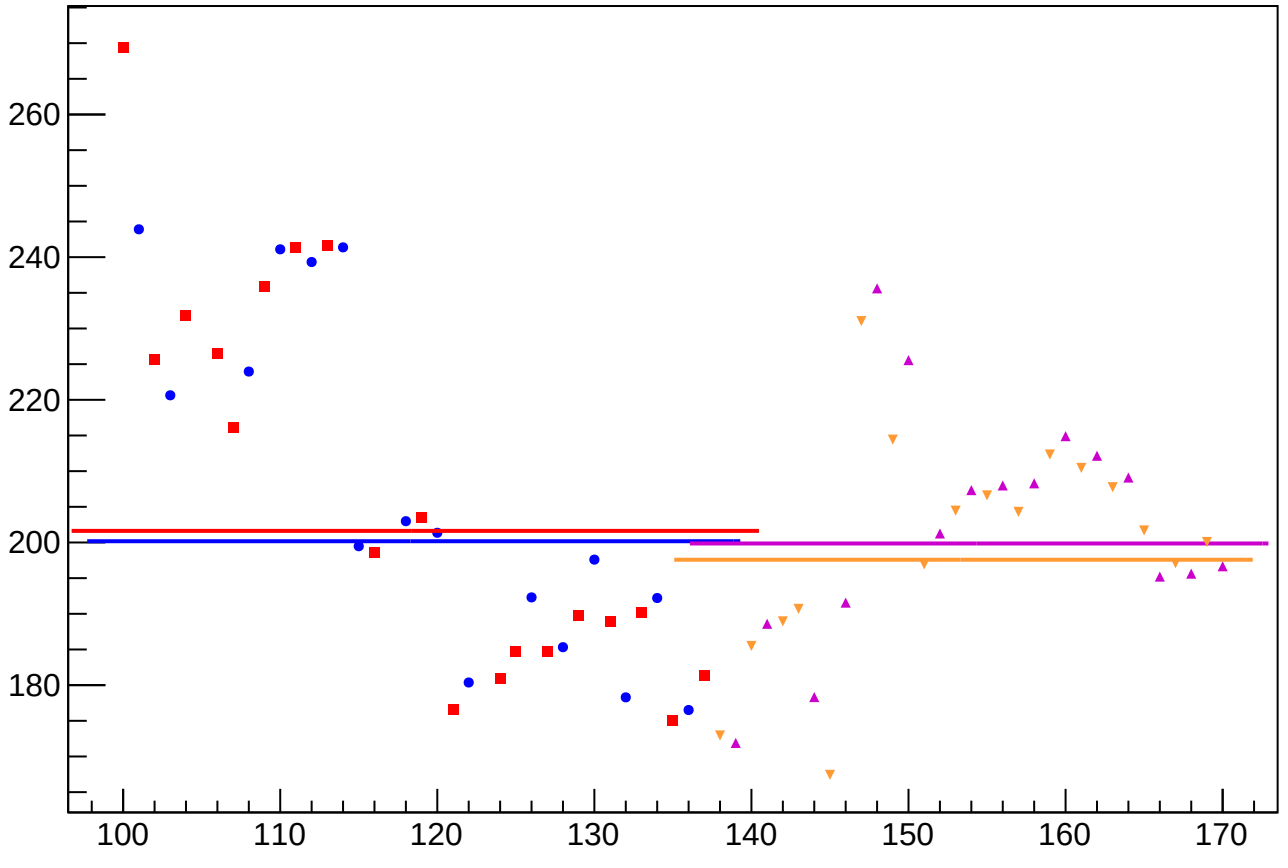
Left: -264.611+/-38.618 χ^2/NDF: 41.6/32

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -84.974+/-44.419 χ^2/NDF:59.7/31

Out: -129.239+/-43.733 χ^2/NDF:59.6/35

All: -107.451+/-31.164 χ^2/NDF: 119.8/67



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.584+/-0.038 χ^2/NDF:166431.3/16

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

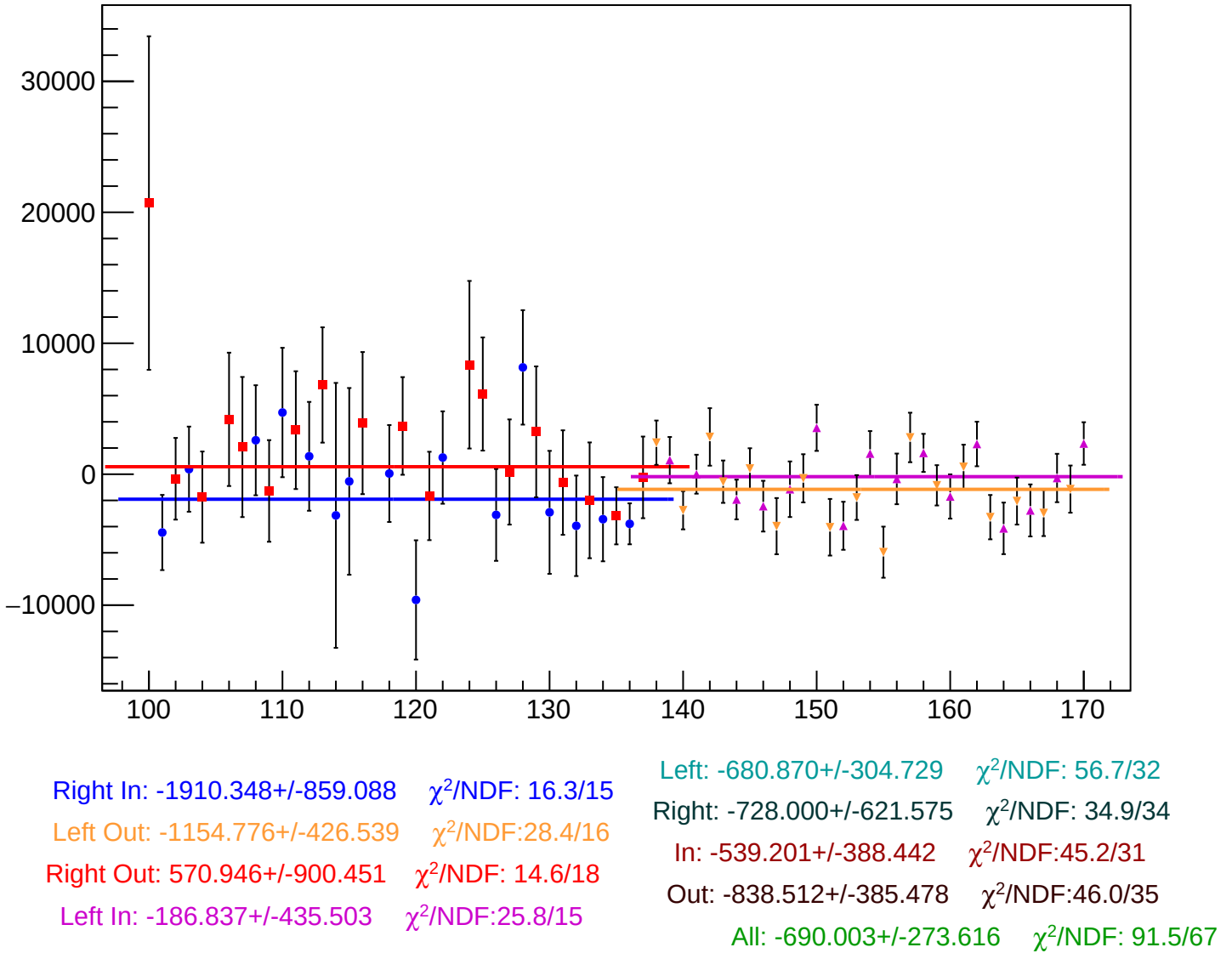
Left: 198.699+/-0.027 χ^2/NDF: 336335.5/32

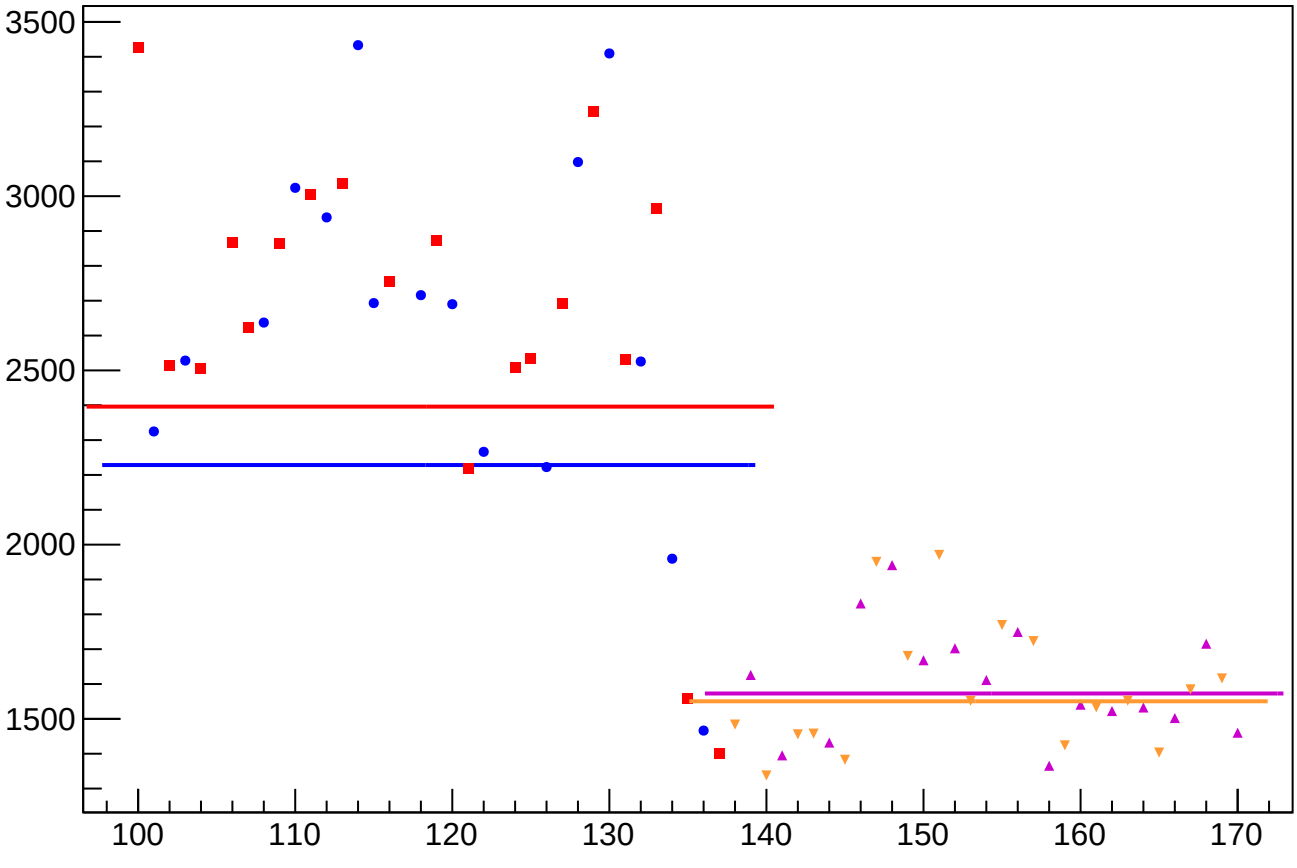
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.972+/-0.031 χ^2/NDF:349190.3/31

Out: 198.982+/-0.031 χ^2/NDF:367544.3/35

All: 199.469+/-0.022 χ^2/NDF: 717239.5/67


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -1154.776+/-426.539 χ²/NDF:28.4/16
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: -186.837+/-435.503 χ²/NDF:25.8/15
Left: -680.870+/-304.729 χ²/NDF: 56.7/32
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -539.201+/-388.442 χ²/NDF:45.2/31
Out: -838.512+/-385.478 χ²/NDF:46.0/35
All: -690.003+/-273.616 χ²/NDF: 91.5/67



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1550.460+/-0.302 χ^2/NDF:306731.1/16

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1572.850+/-0.308 χ^2/NDF:244964.3/15

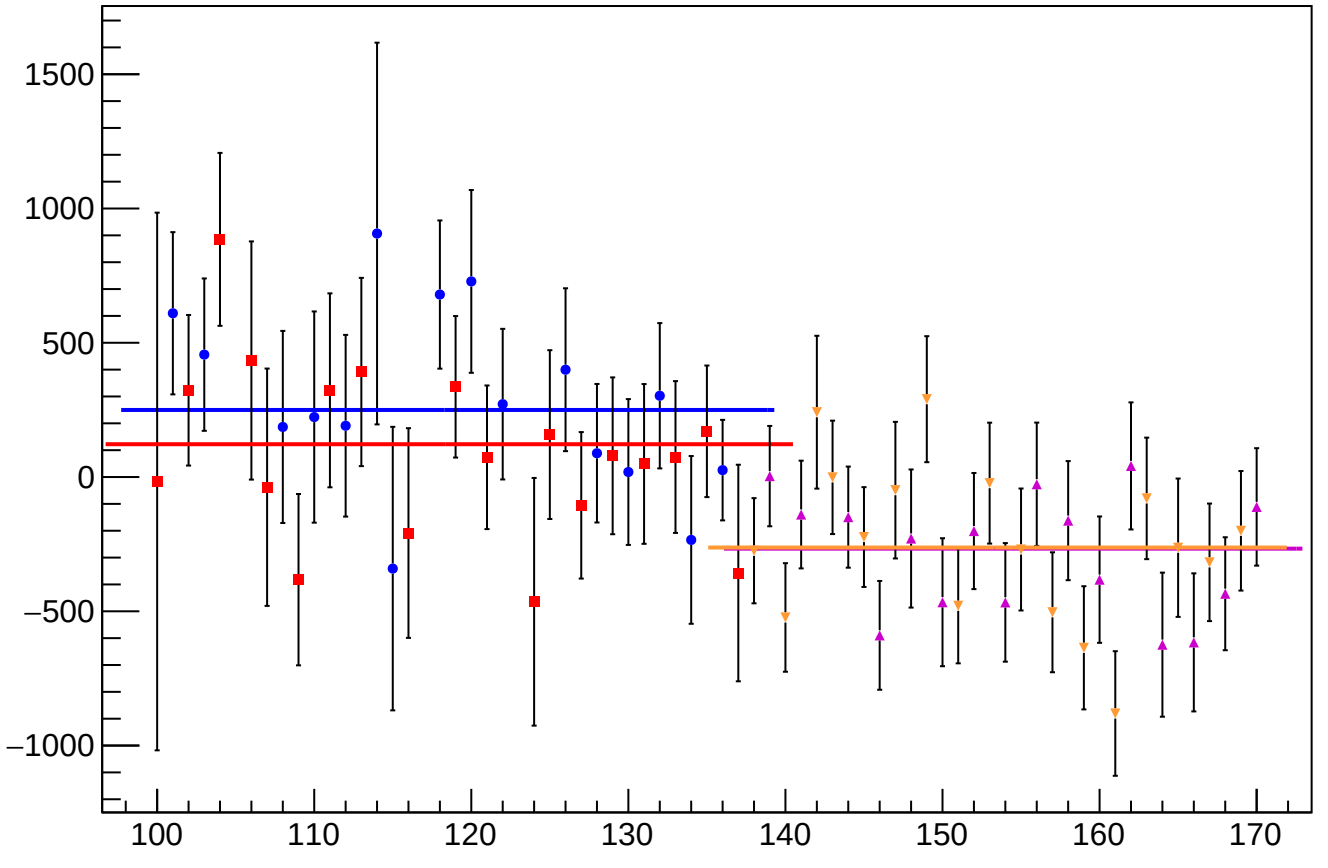
Left: 1561.422+/-0.215 χ^2/NDF: 554393.4/32

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1706.880+/-0.275 χ^2/NDF:2119190.0/31

Out: 1705.432+/-0.273 χ^2/NDF:2546764.7/35

All: 1706.151+/-0.193 χ^2/NDF: 4665968.7/67



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.559+/-54.069 χ^2/NDF:26.5/16

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -266.748+/-55.177 χ^2/NDF:15.1/15

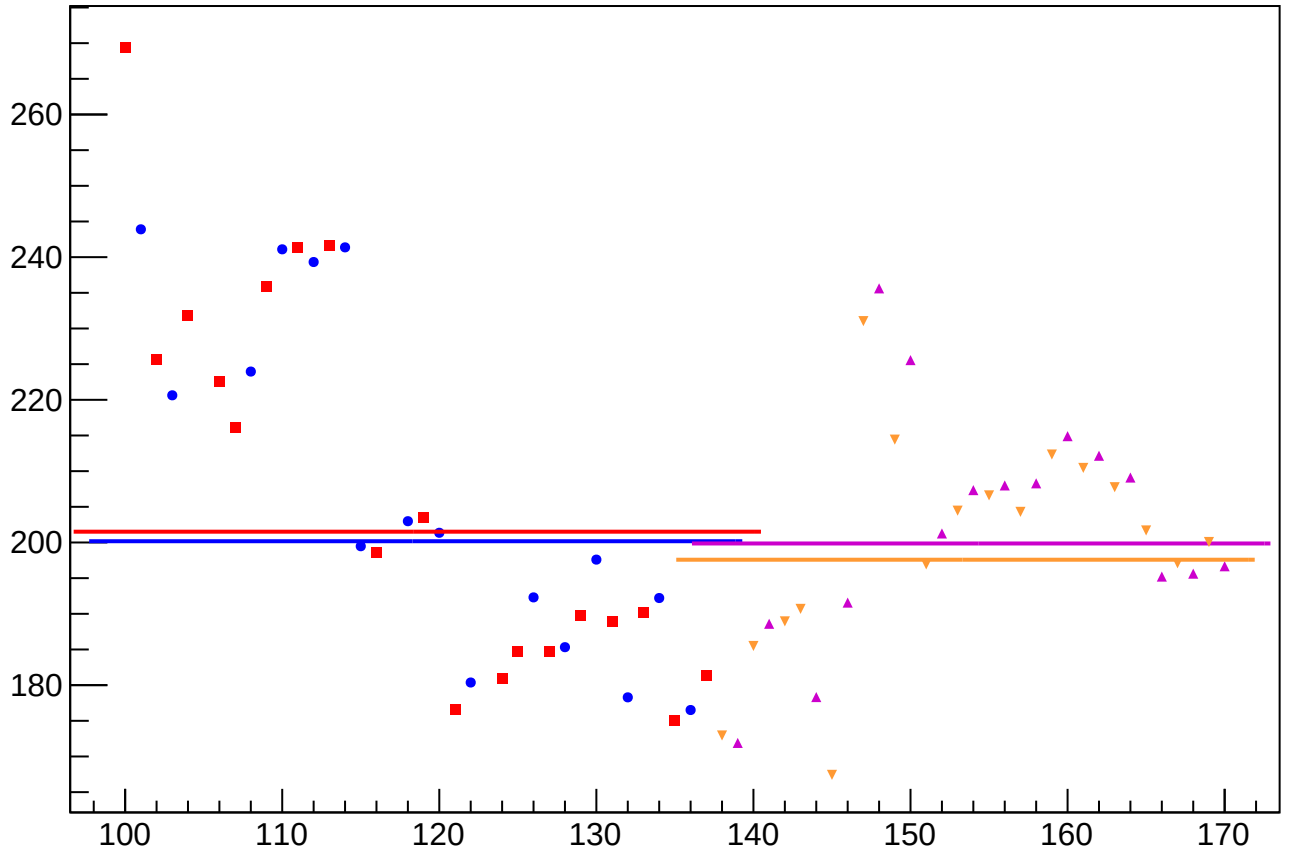
Left: -264.611+/-38.618 χ^2/NDF: 41.6/32

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -84.975+/-44.419 χ^2/NDF:59.7/31

Out: -129.532+/-43.735 χ^2/NDF:59.5/35

All: -107.600+/-31.164 χ^2/NDF: 119.6/67



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.584+/-0.038 χ^2/NDF:166431.3/16

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

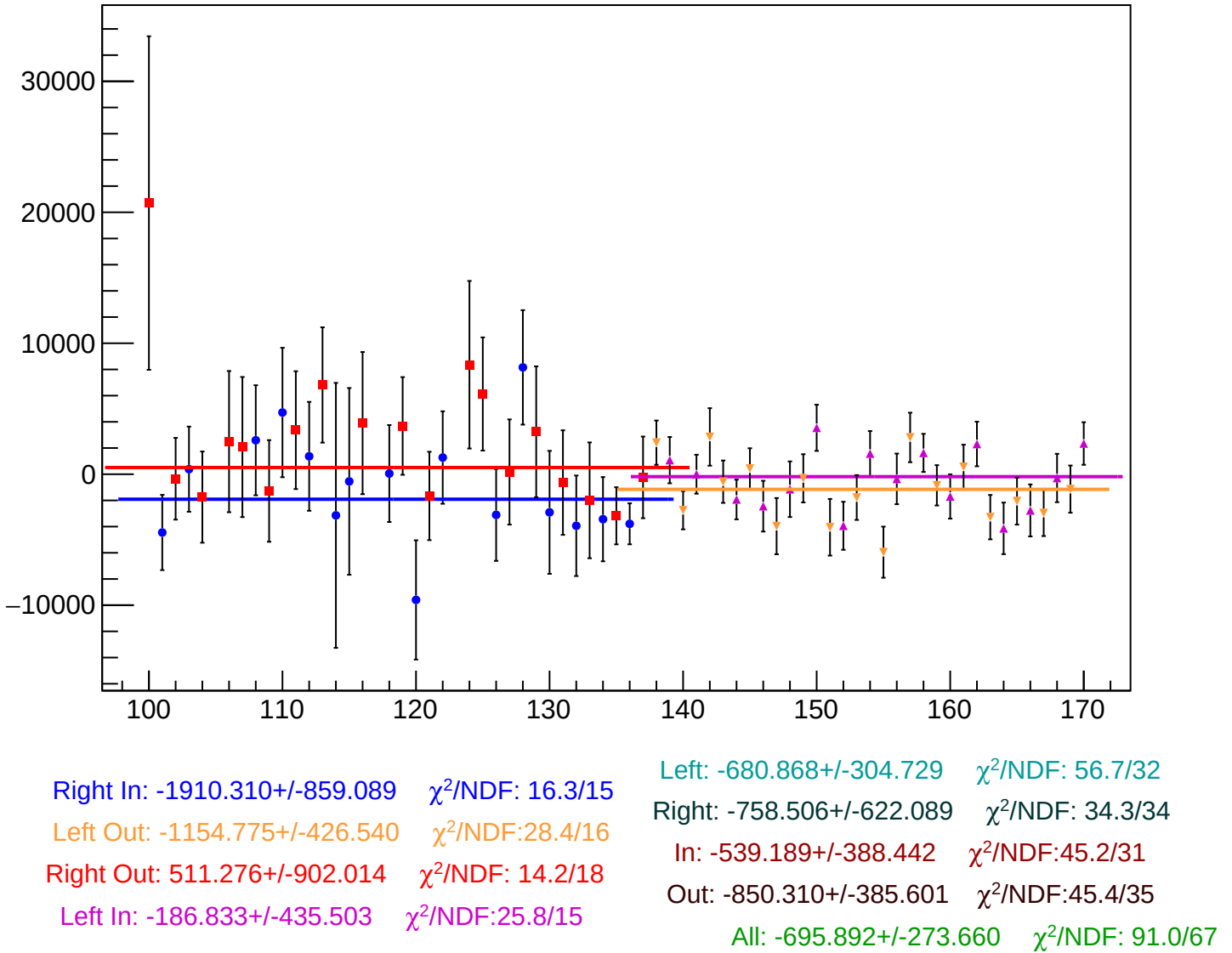
Left: 198.699+/-0.027 χ^2/NDF: 336335.5/32

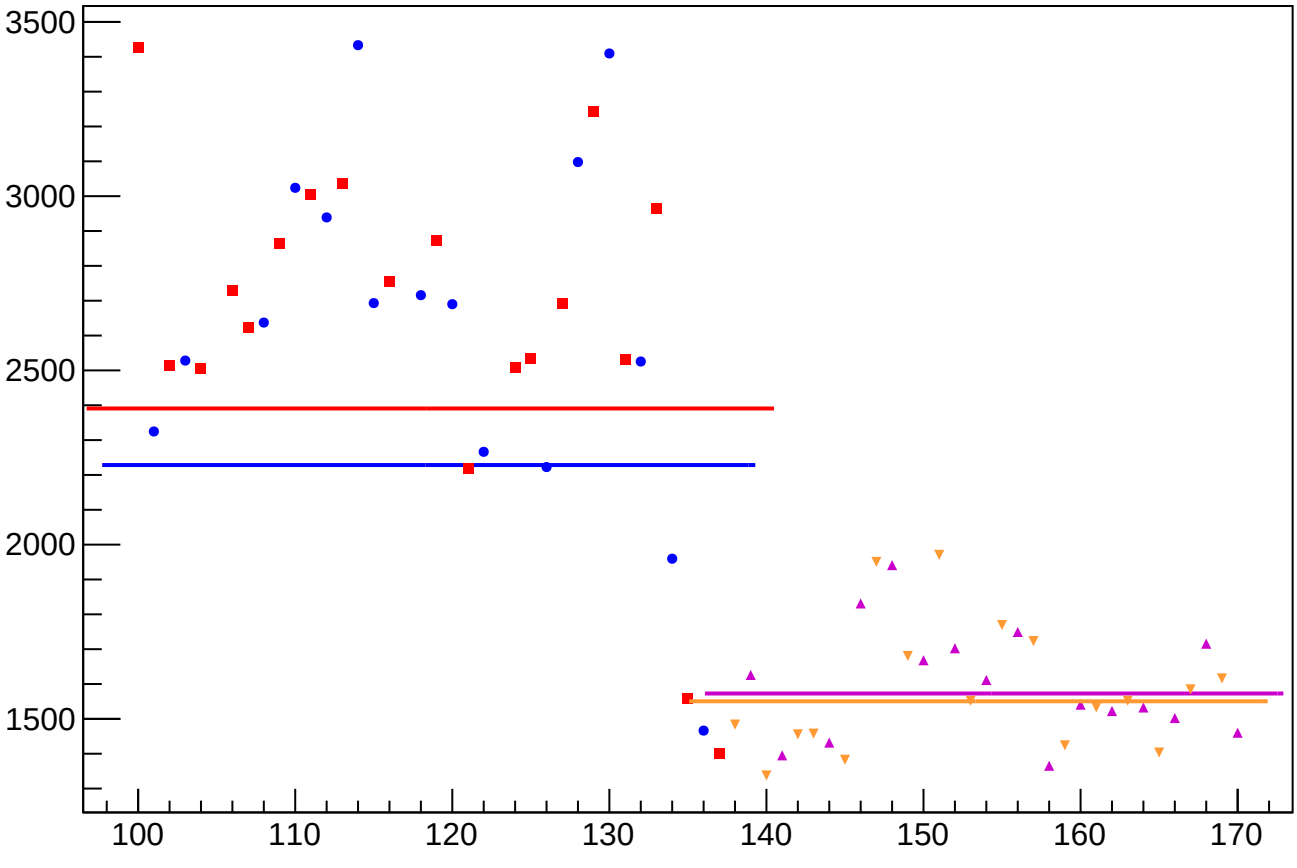
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.972+/-0.031 χ^2/NDF:349190.6/31

Out: 198.943+/-0.031 χ^2/NDF:365516.4/35

All: 199.450+/-0.022 χ^2/NDF: 715252.6/67


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -1154.775+/-426.540 χ²/NDF:28.4/16
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -186.833+/-435.503 χ²/NDF:25.8/15
Left: -680.868+/-304.729 χ²/NDF: 56.7/32
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -539.189+/-388.442 χ²/NDF:45.2/31
Out: -850.310+/-385.601 χ²/NDF:45.4/35
All: -695.892+/-273.660 χ²/NDF: 91.0/67



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1550.460+/-0.302 χ^2/NDF:306731.1/16

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1572.850+/-0.308 χ^2/NDF:244965.1/15

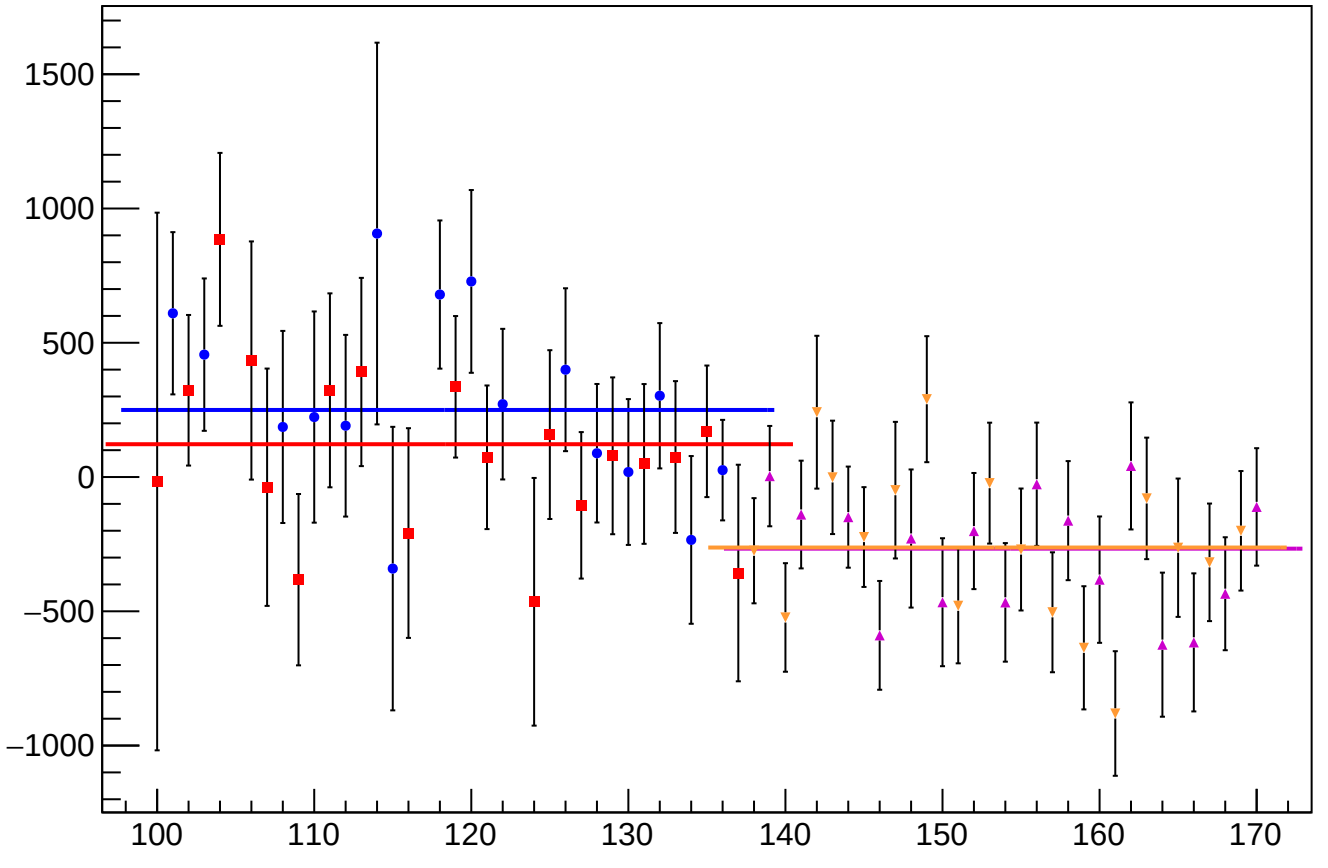
Left: 1561.423+/-0.215 χ^2/NDF: 554394.2/32

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1706.881+/-0.275 χ^2/NDF:2119200.9/31

Out: 1704.017+/-0.273 χ^2/NDF:2515134.0/35

All: 1705.439+/-0.194 χ^2/NDF: 4634389.6/67



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.559+/-54.069 χ^2/NDF:26.5/16

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -266.748+/-55.177 χ^2/NDF:15.1/15

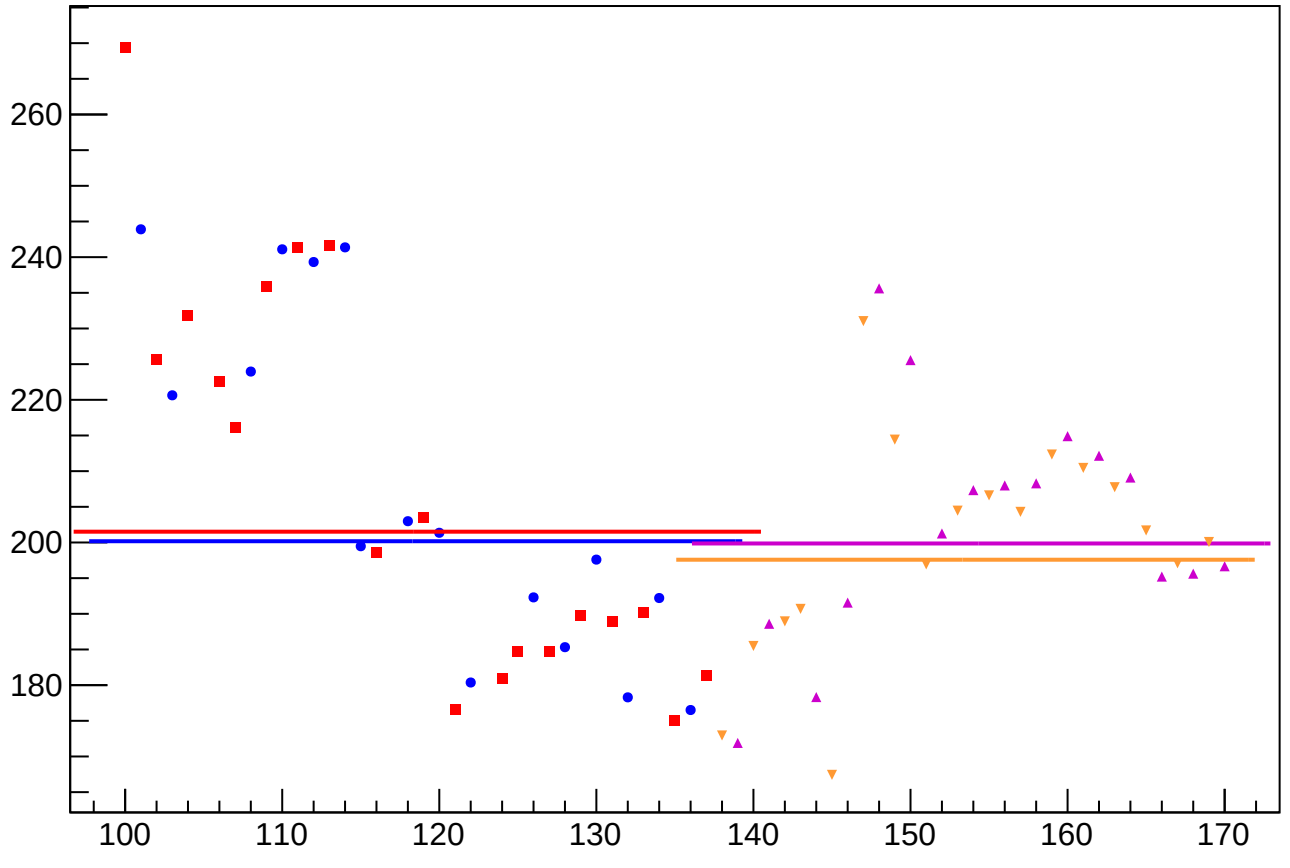
Left: -264.611+/-38.618 χ^2/NDF: 41.6/32

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -84.975+/-44.419 χ^2/NDF:59.7/31

Out: -129.532+/-43.735 χ^2/NDF:59.5/35

All: -107.600+/-31.164 χ^2/NDF: 119.6/67



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.584+/-0.038 χ^2/NDF:166431.3/16

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

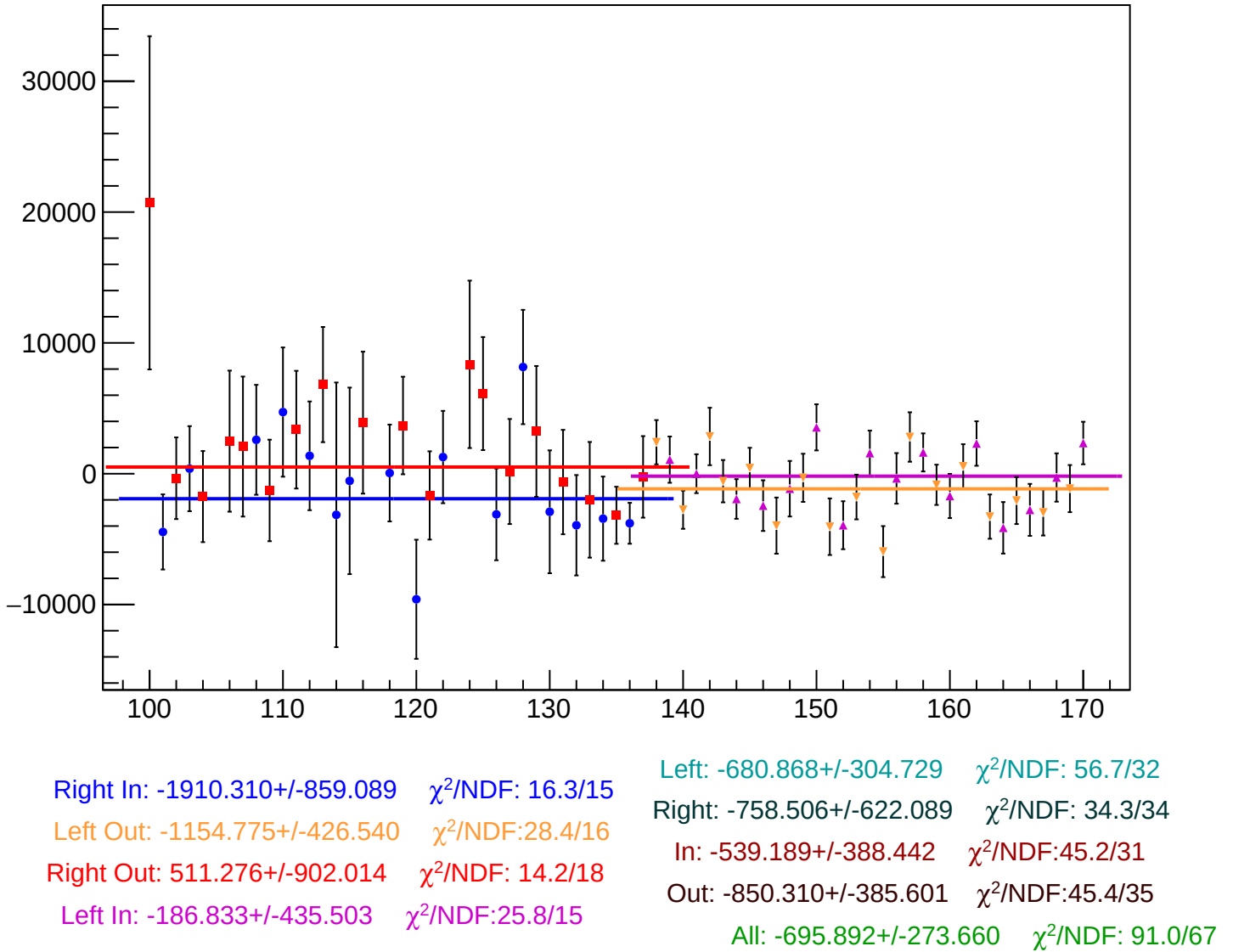
Left: 198.699+/-0.027 χ^2/NDF: 336335.5/32

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

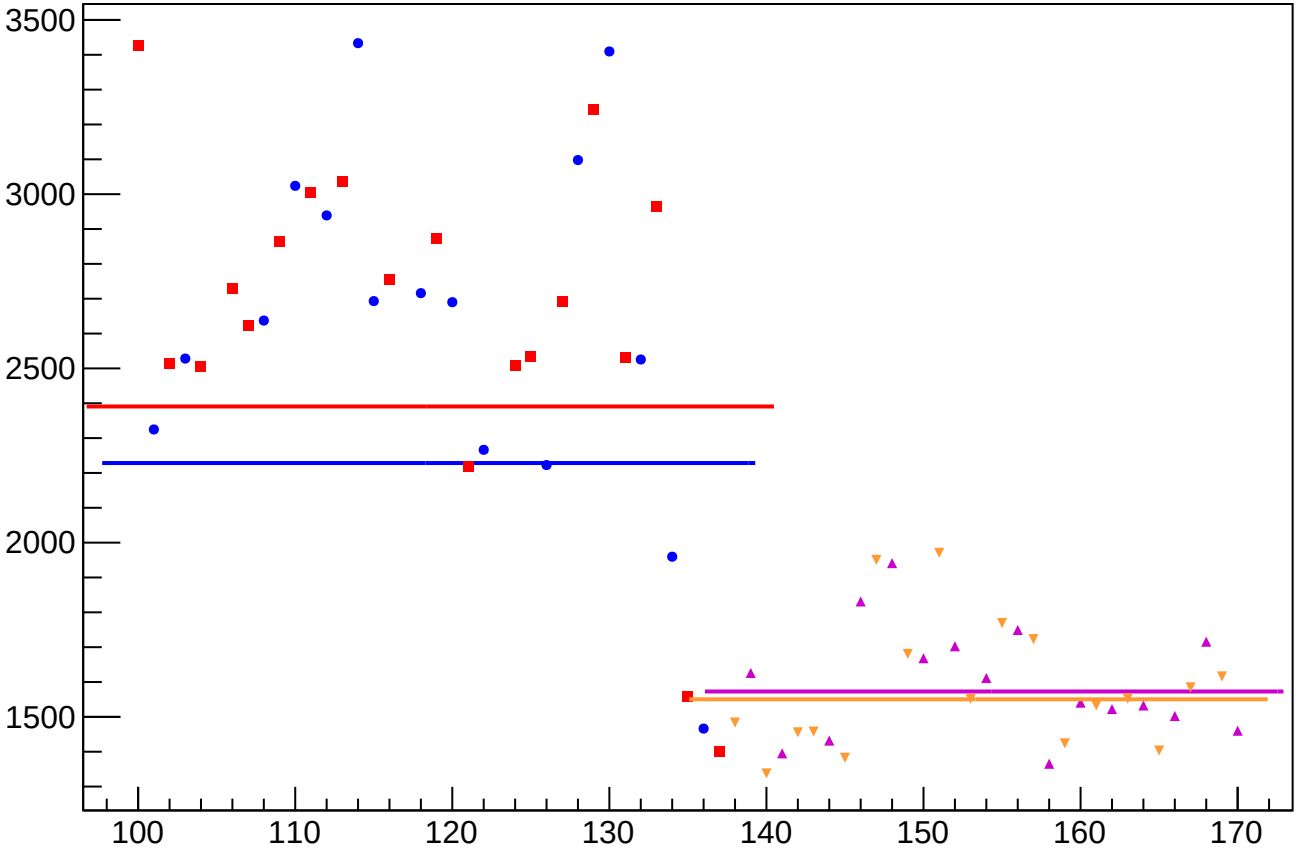
In: 199.972+/-0.031 χ^2/NDF:349190.6/31

Out: 198.943+/-0.031 χ^2/NDF:365516.4/35

All: 199.450+/-0.022 χ^2/NDF: 715252.6/67


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -1154.775+/-426.540 χ²/NDF:28.4/16
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -186.833+/-435.503 χ²/NDF:25.8/15
Left: -680.868+/-304.729 χ²/NDF: 56.7/32
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -539.189+/-388.442 χ²/NDF:45.2/31
Out: -850.310+/-385.601 χ²/NDF:45.4/35
All: -695.892+/-273.660 χ²/NDF: 91.0/67

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1550.460+/-0.302 χ^2/NDF:306731.1/16

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1572.850+/-0.308 χ^2/NDF:244965.1/15

Left: 1561.423+/-0.215 χ^2/NDF: 554394.2/32

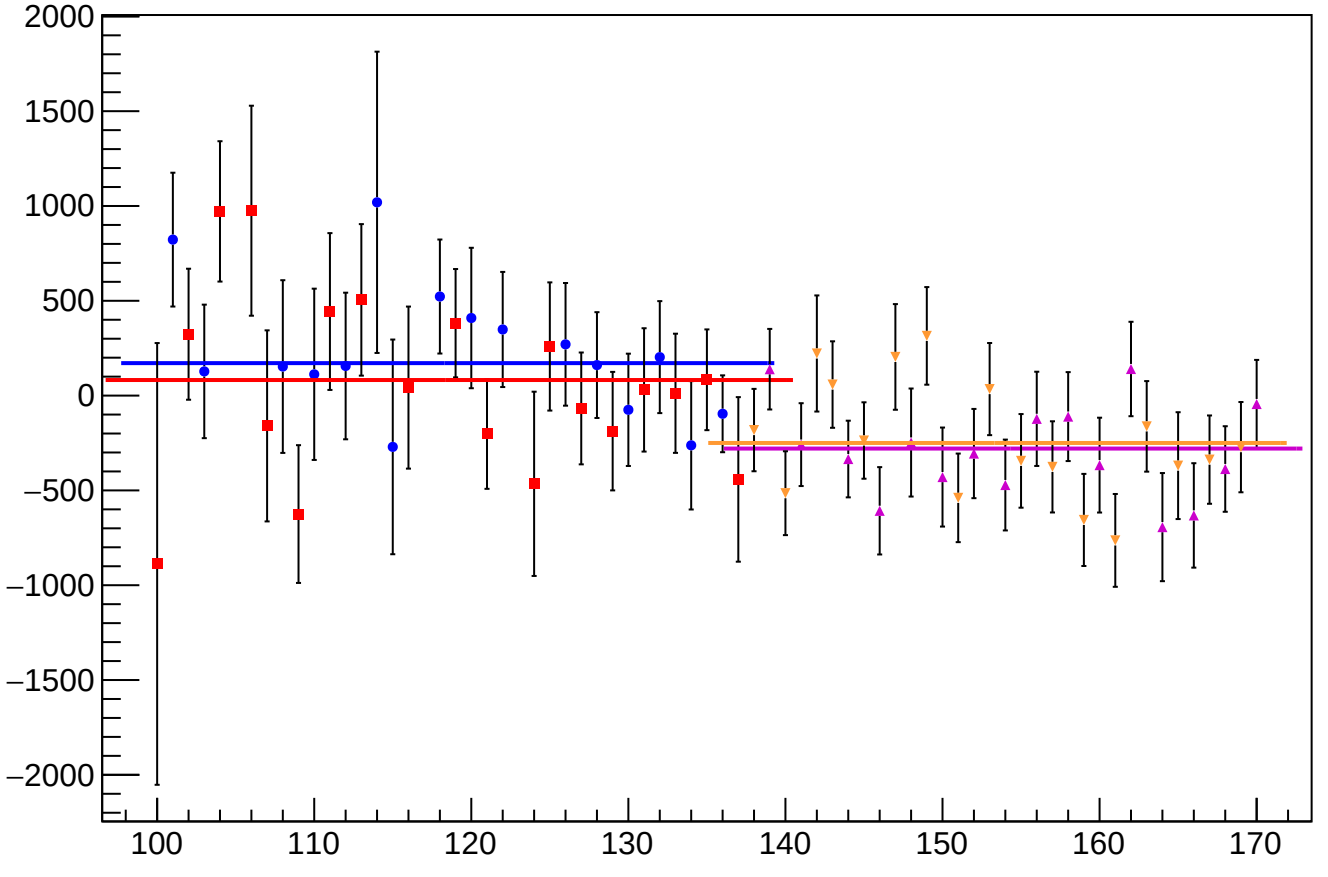
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1706.881+/-0.275 χ^2/NDF:2119200.9/31

Out: 1704.017+/-0.273 χ^2/NDF:2515134.0/35

All: 1705.439+/-0.194 χ^2/NDF: 4634389.6/67

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -249.792+/-58.422 χ^2/NDF:24.2/16

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -279.362+/-59.867 χ^2/NDF:15.9/15

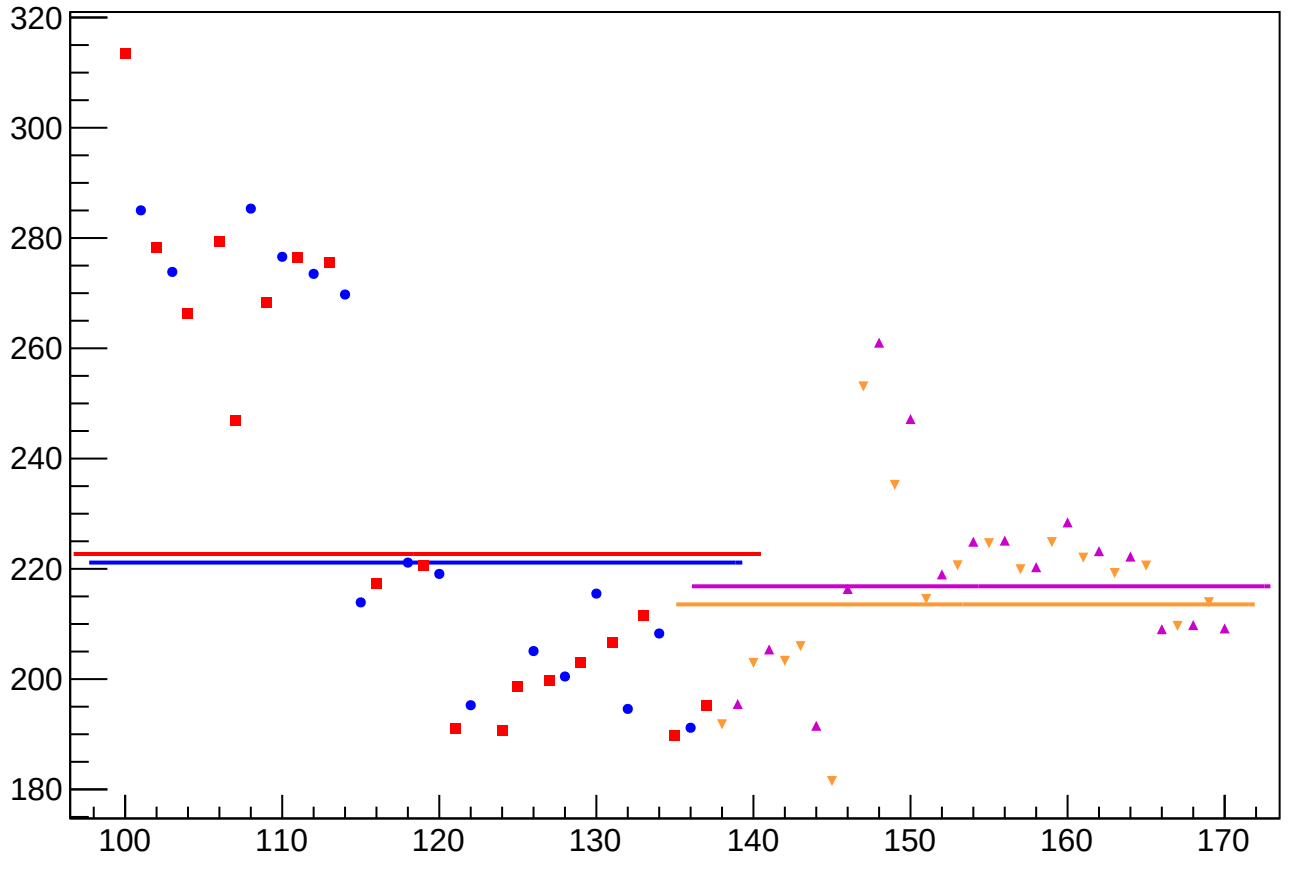
Left: -264.216+/-41.812 χ^2/NDF: 40.2/32

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -125.433+/-48.578 χ^2/NDF:46.7/31

Out: -139.008+/-47.687 χ^2/NDF:56.6/35

All: -132.346+/-34.030 χ^2/NDF: 103.3/67



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.552+/-0.041 χ^2/NDF:150936.6/16

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.835+/-0.042 χ^2/NDF:149239.0/15

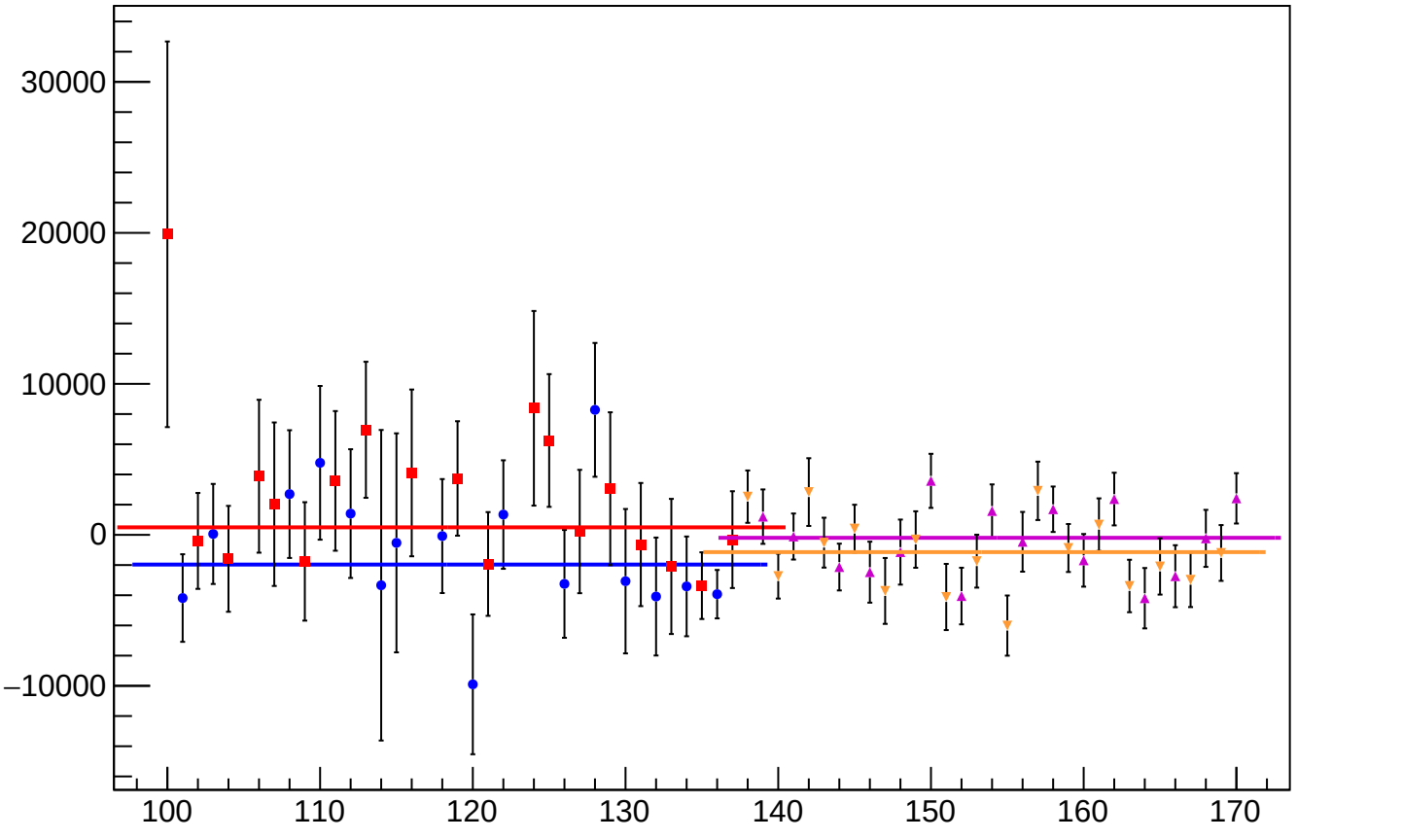
Left: 215.153+/-0.030 χ^2/NDF: 303254.8/32

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.305+/-0.034 χ^2/NDF:471473.0/31

Out: 216.604+/-0.034 χ^2/NDF:494324.3/35

All: 217.439+/-0.024 χ^2/NDF: 967045.4/67



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1142.793+/-436.732 χ^2/NDF:27.9/16

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -196.198+/-446.466 χ^2/NDF:25.8/15

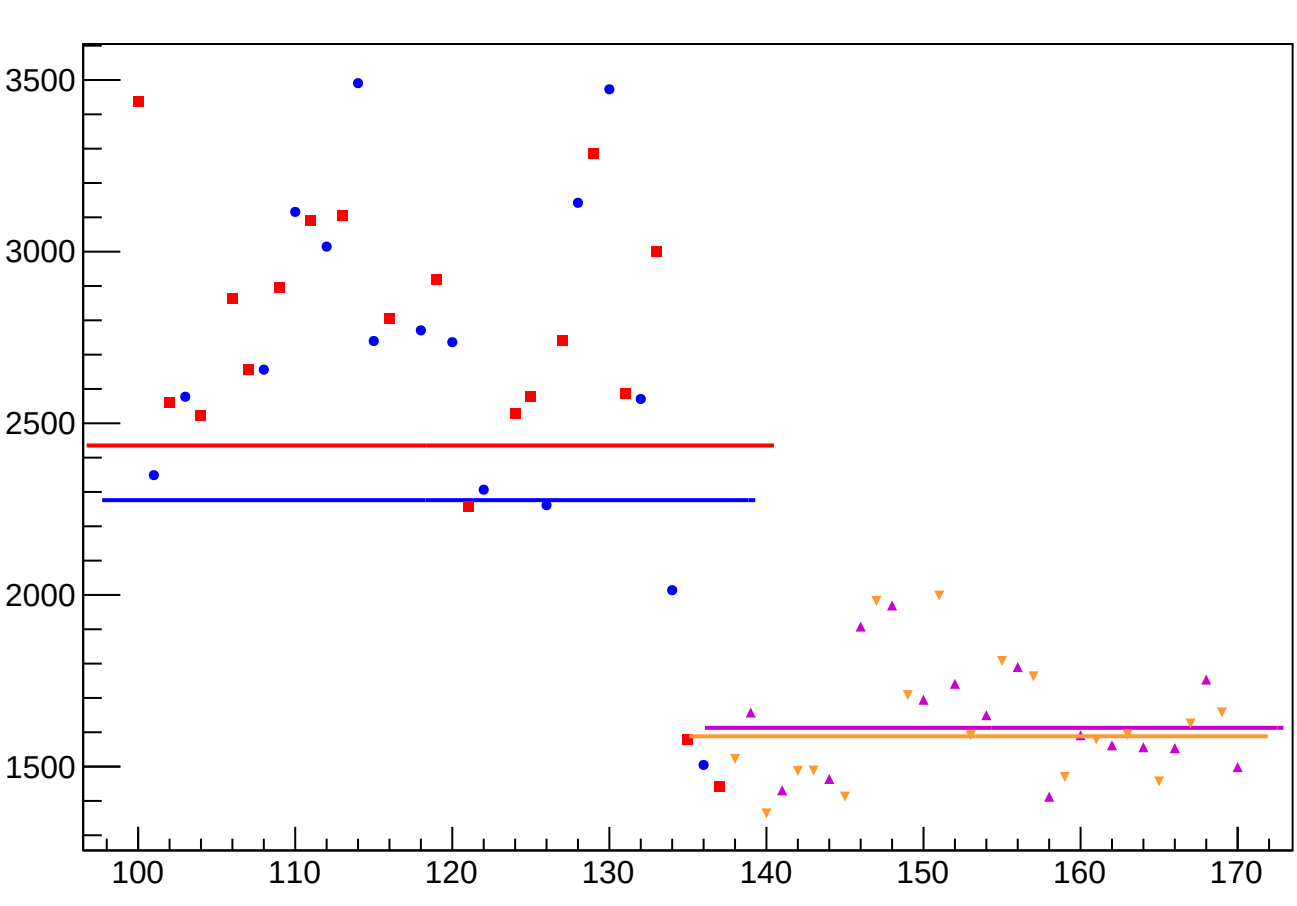
Left: -679.927+/-312.201 χ^2/NDF: 56.0/32

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -561.013+/-397.839 χ^2/NDF:45.2/31

Out: -838.351+/-394.118 χ^2/NDF:45.2/35

All: -700.985+/-279.990 χ^2/NDF: 90.7/67



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1588.316+/-0.309 χ^2/NDF:293403.9/16

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1612.901+/-0.316 χ^2/NDF:237477.3/15

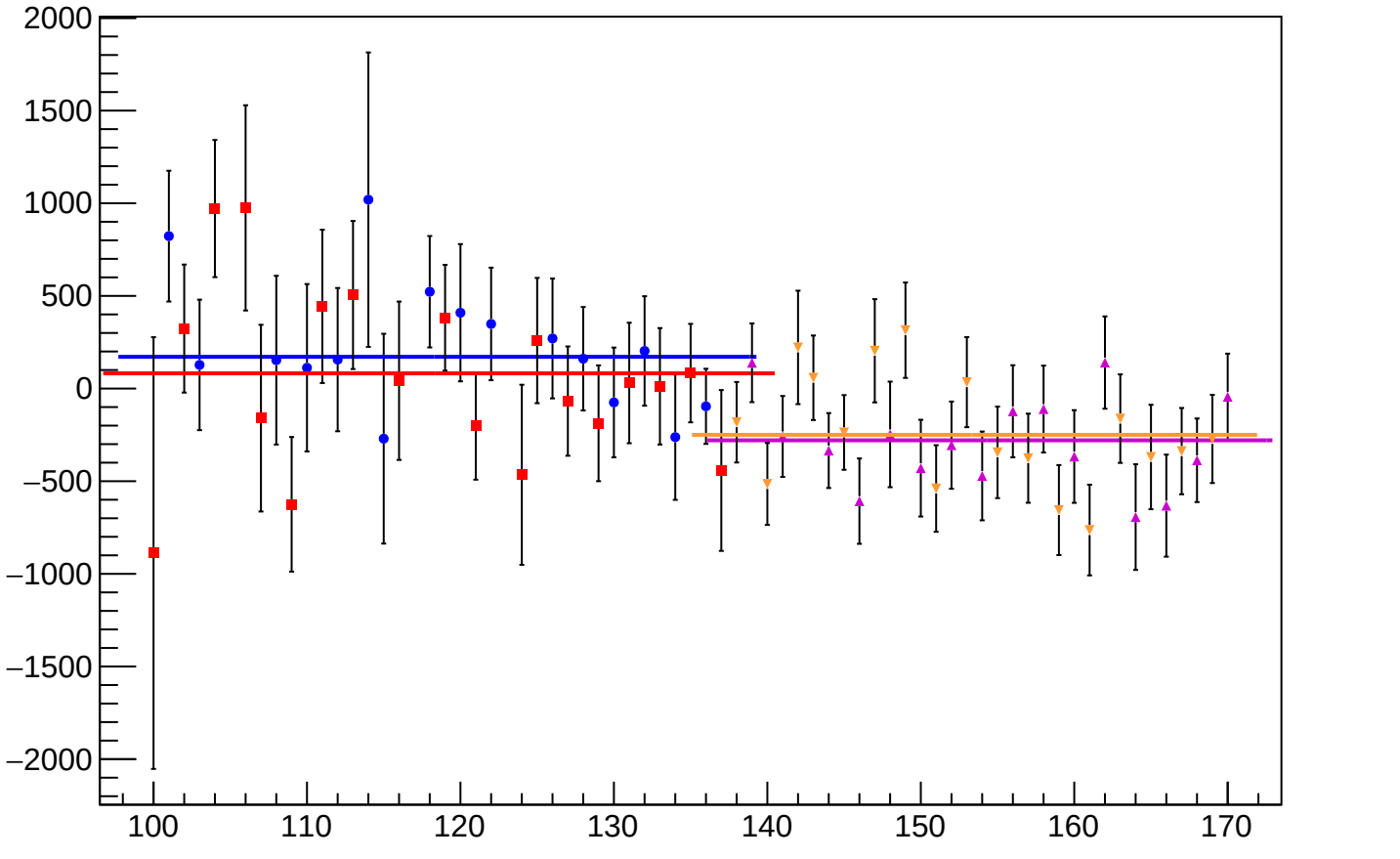
Left: 1600.338+/-0.221 χ^2/NDF: 533980.2/32

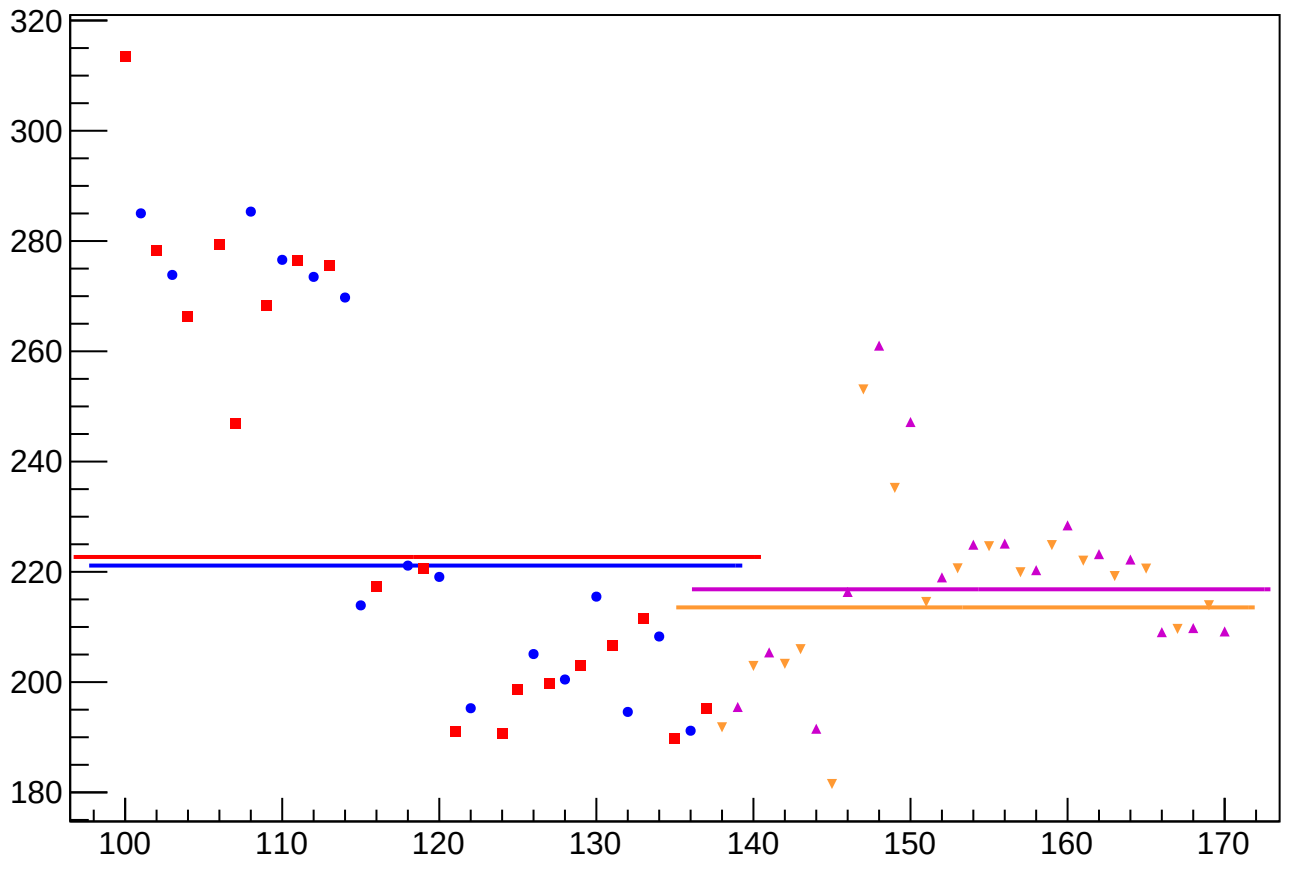
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1749.506+/-0.281 χ^2/NDF:2073510.1/31

Out: 1745.549+/-0.279 χ^2/NDF:2481436.8/35

All: 1747.509+/-0.198 χ^2/NDF: 4555046.8/67


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 171.260+/-83.115 χ²/NDF: 11.5/15
Left Out: -249.793+/-58.422 χ²/NDF:24.2/16
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -279.364+/-59.867 χ²/NDF:15.9/15
Left: -264.218+/-41.812 χ²/NDF: 40.2/32
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -125.433+/-48.578 χ²/NDF:46.7/31
Out: -139.009+/-47.687 χ²/NDF:56.6/35
All: -132.347+/-34.030 χ²/NDF: 103.3/67



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.552+/-0.041 χ^2/NDF:150940.7/16

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.834+/-0.042 χ^2/NDF:149241.7/15

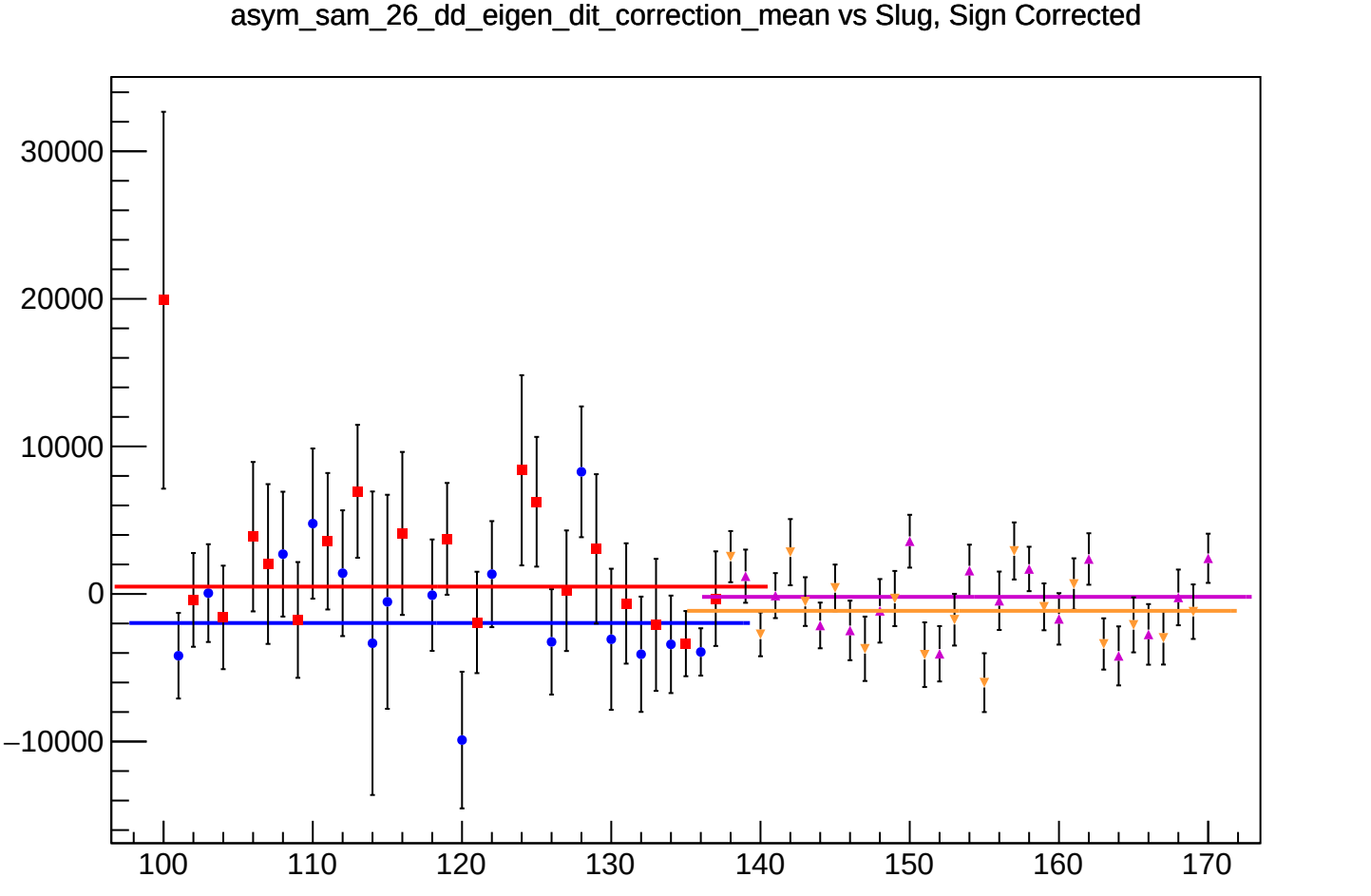
Left: 215.153+/-0.030 χ^2/NDF: 303261.4/32

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.304+/-0.034 χ^2/NDF:471469.0/31

Out: 216.604+/-0.034 χ^2/NDF:494318.8/35

All: 217.438+/-0.024 χ^2/NDF: 967035.7/67



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1142.793+/-436.732 χ^2/NDF:27.9/16

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -196.197+/-446.466 χ^2/NDF:25.8/15

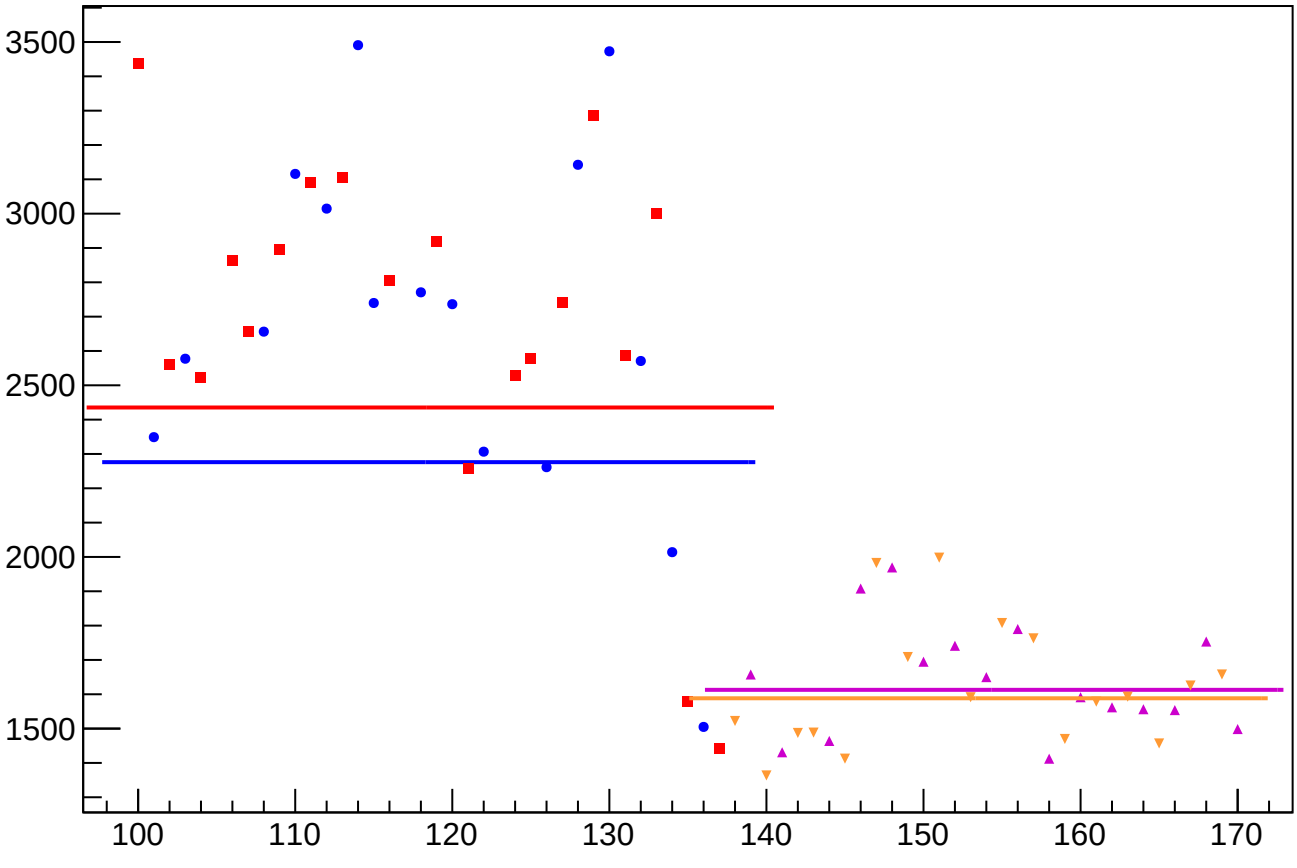
Left: -679.926+/-312.201 χ^2/NDF: 56.0/32

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -561.012+/-397.838 χ^2/NDF:45.2/31

Out: -838.350+/-394.118 χ^2/NDF:45.2/35

All: -700.984+/-279.990 χ^2/NDF: 90.7/67



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1588.316+/-0.309 χ^2/NDF:293406.9/16

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1612.901+/-0.316 χ^2/NDF:237479.5/15

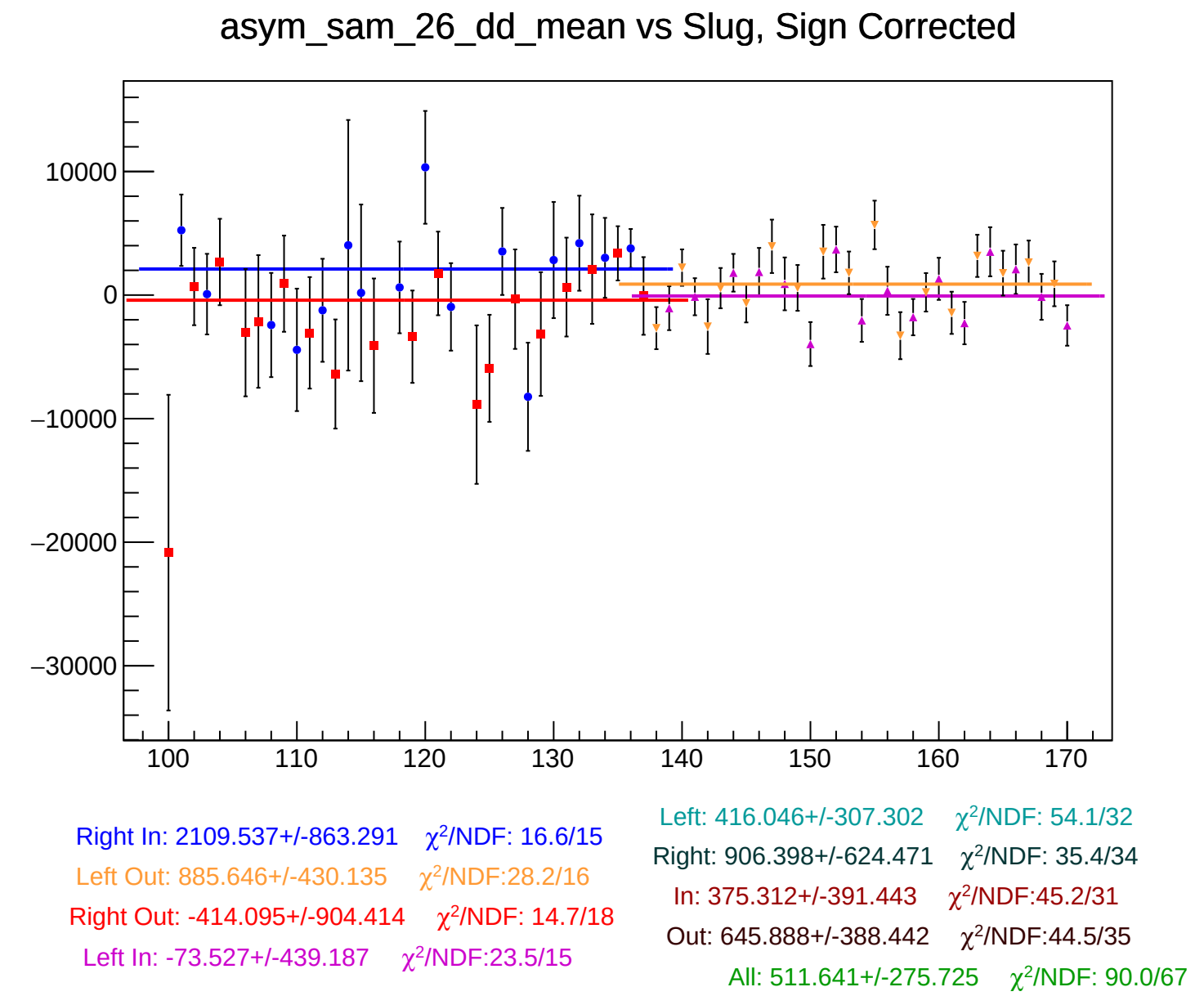
Left: 1600.337+/-0.221 χ^2/NDF: 533985.4/32

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

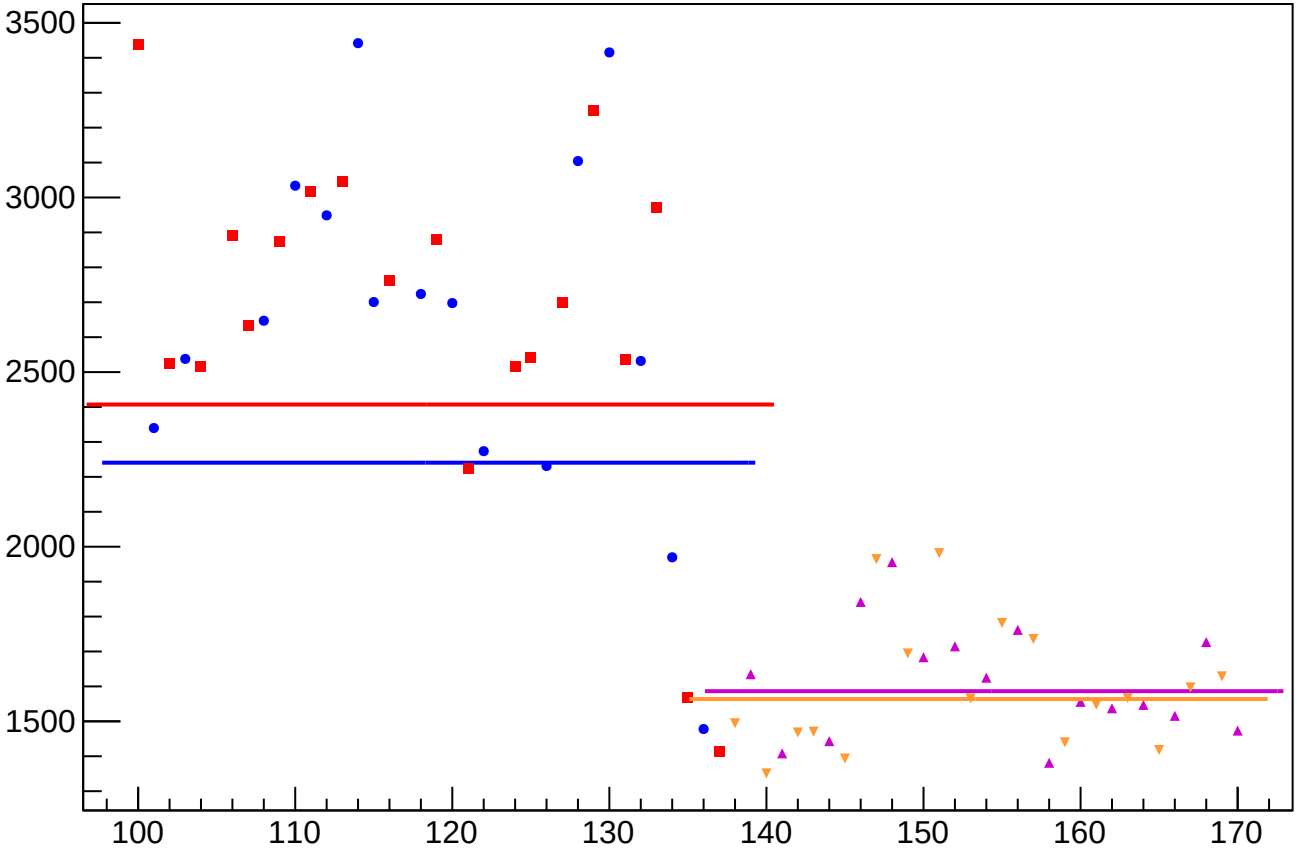
In: 1749.506+/-0.281 χ^2/NDF:2073498.9/31

Out: 1745.548+/-0.279 χ^2/NDF:2481426.7/35

All: 1747.508+/-0.198 χ^2/NDF: 4555025.4/67


asym_sam_26_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 2109.537+/-863.291 χ²/NDF: 16.6/15
Left Out: 885.646+/-430.135 χ²/NDF:28.2/16
Right Out: -414.095+/-904.414 χ²/NDF: 14.7/18
Left In: -73.527+/-439.187 χ²/NDF:23.5/15
Left: 416.046+/-307.302 χ²/NDF: 54.1/32
Right: 906.398+/-624.471 χ²/NDF: 35.4/34
In: 375.312+/-391.443 χ²/NDF:45.2/31
Out: 645.888+/-388.442 χ²/NDF:44.5/35
All: 511.641+/-275.725 χ²/NDF: 90.0/67

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1563.807+/-0.304 χ^2/NDF:301544.0/16

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1586.413+/-0.311 χ^2/NDF:239445.7/15

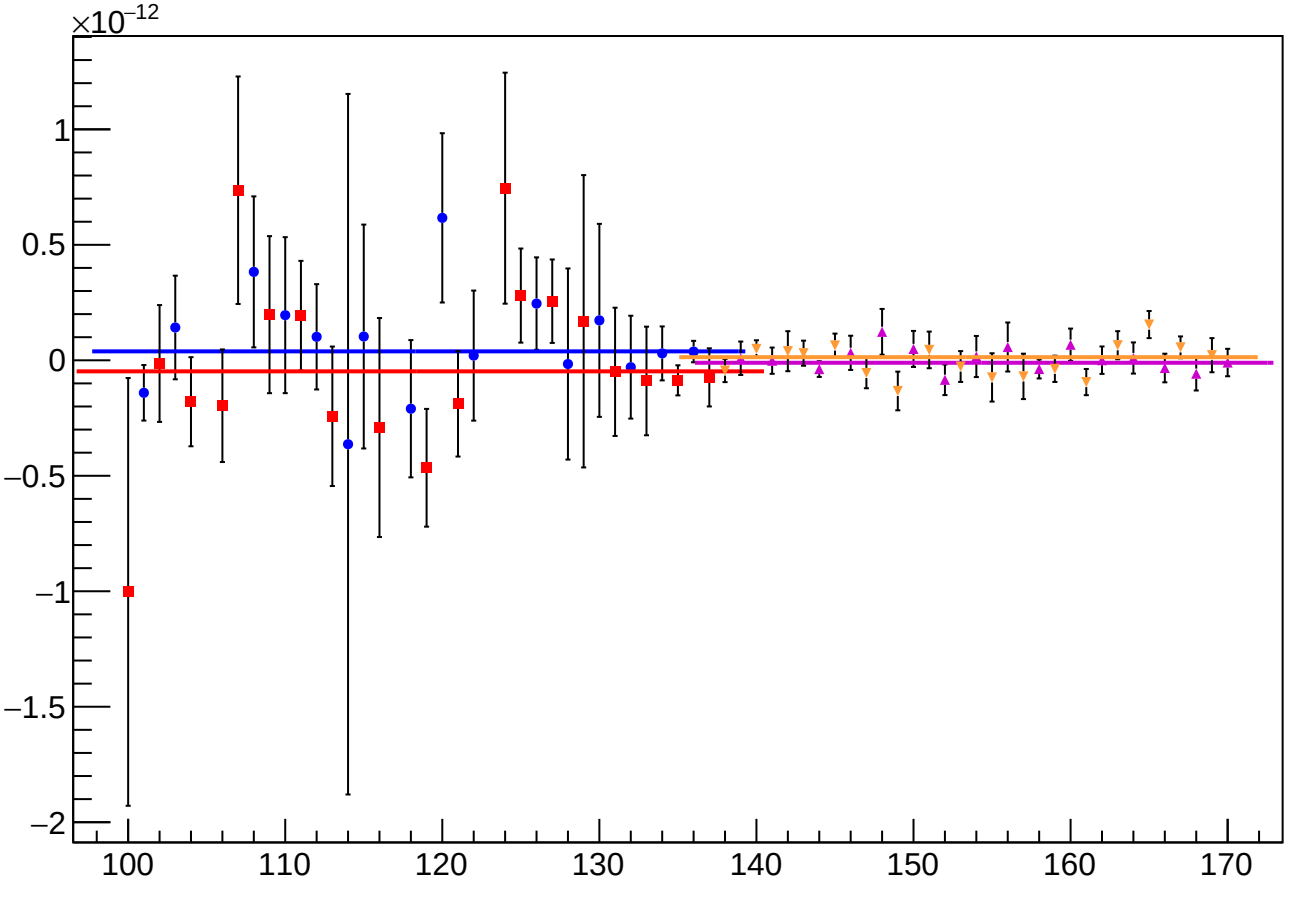
Left: 1574.875+/-0.217 χ^2/NDF: 543694.3/32

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1720.920+/-0.277 χ^2/NDF:2085452.3/31

Out: 1719.371+/-0.275 χ^2/NDF:2508660.8/35

All: 1720.139+/-0.195 χ^2/NDF: 4594128.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/15

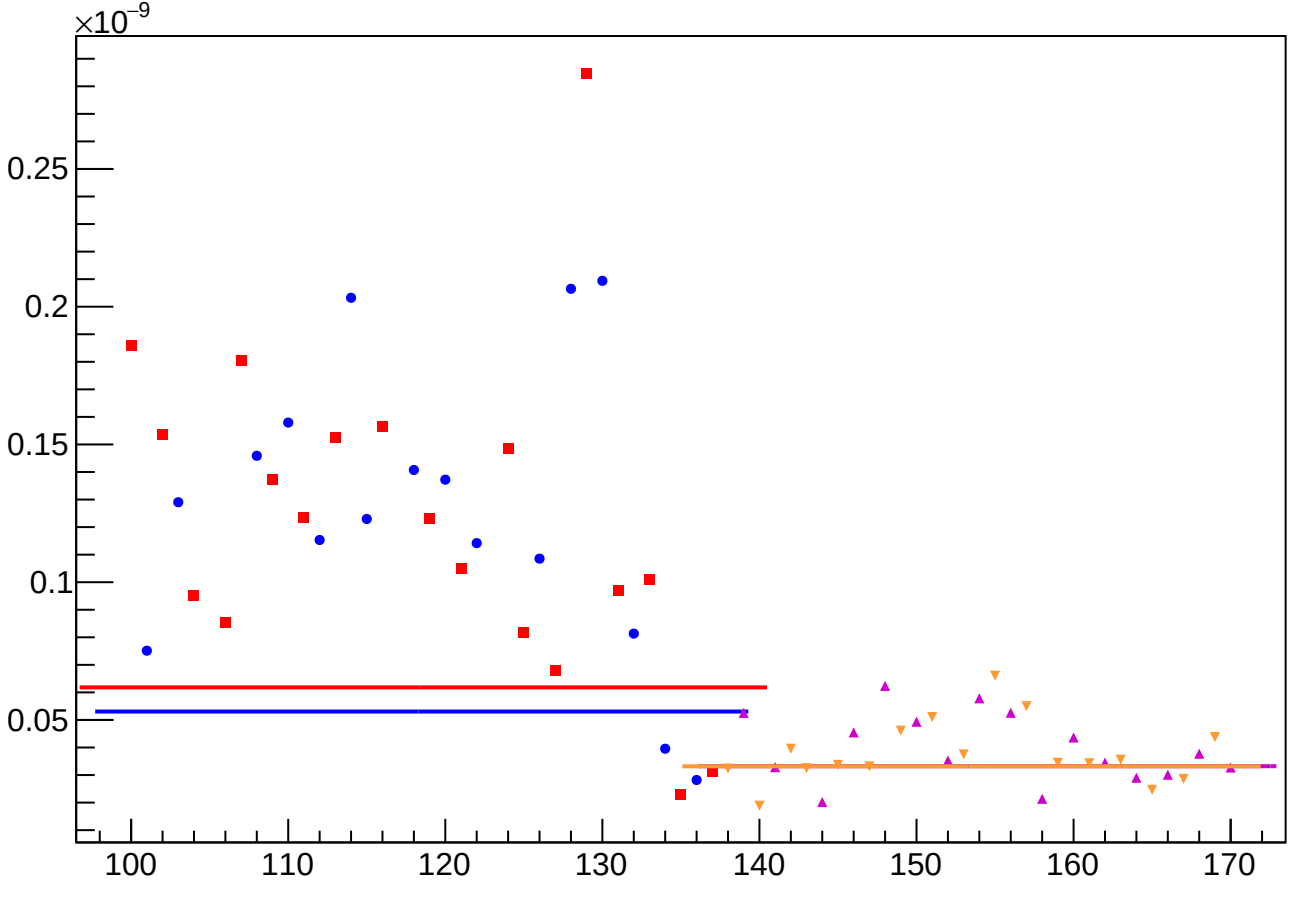
Left: 0.000+/-0.000 χ^2/NDF: 30.1/32

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/31

Out: 0.000+/-0.000 χ^2/NDF:41.2/35

All: 0.000+/-0.000 χ^2/NDF: 59.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:864720.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1203993.4/15

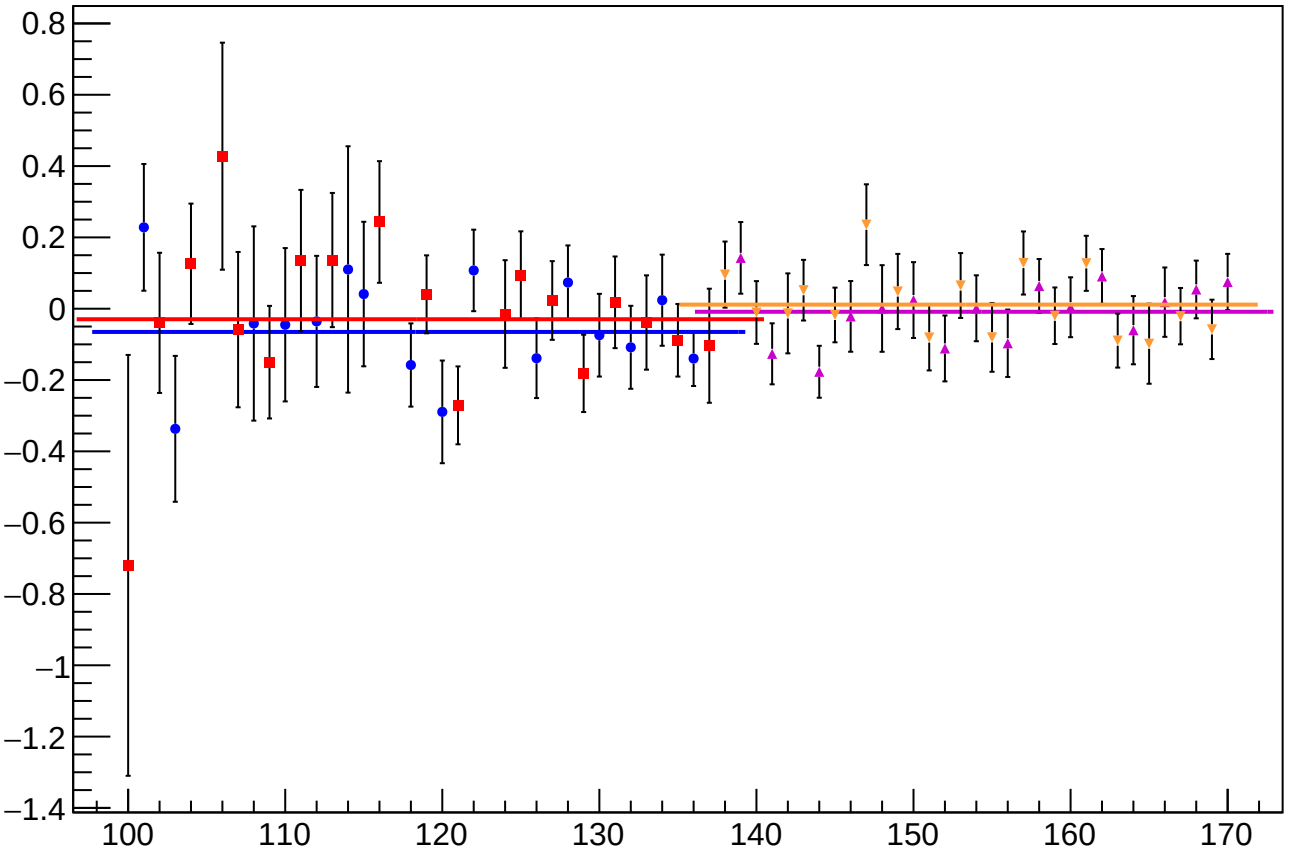
Left: 0.000+/-0.000 χ^2/NDF: 2068721.1/32

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4287184.8/31

Out: 0.000+/-0.000 χ^2/NDF:4066343.4/35

All: 0.000+/-0.000 χ^2/NDF: 8353595.5/67



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.011+/-0.022 χ^2/NDF:15.3/16

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.009+/-0.022 χ^2/NDF:16.4/15

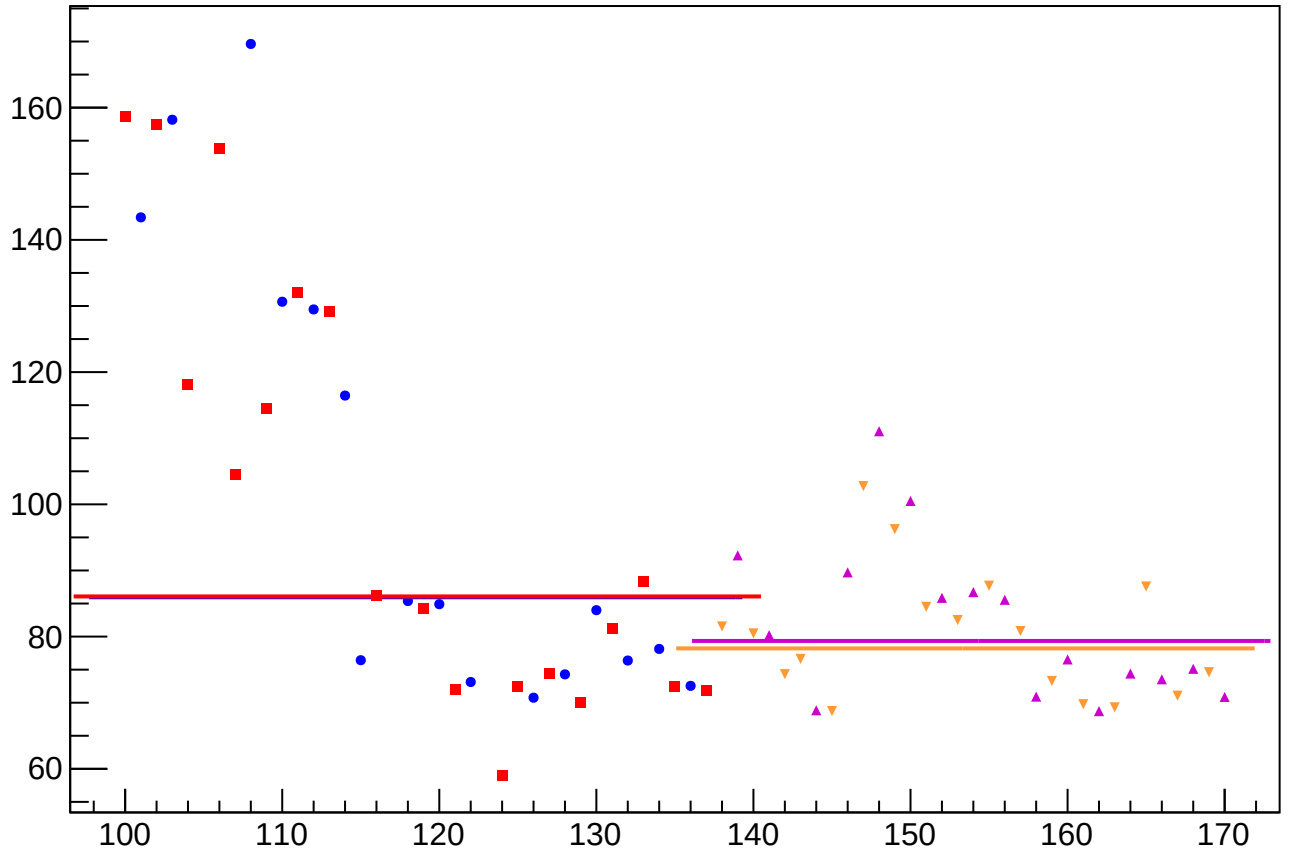
Left: 0.002+/-0.015 χ^2/NDF: 32.2/32

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: -0.001+/-0.018 χ^2/NDF:34.5/35

All: -0.013+/-0.013 χ^2/NDF: 68.1/67



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.216+/-0.015 χ^2/NDF:318265.0/16

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 79.343+/-0.016 χ^2/NDF:449967.6/15

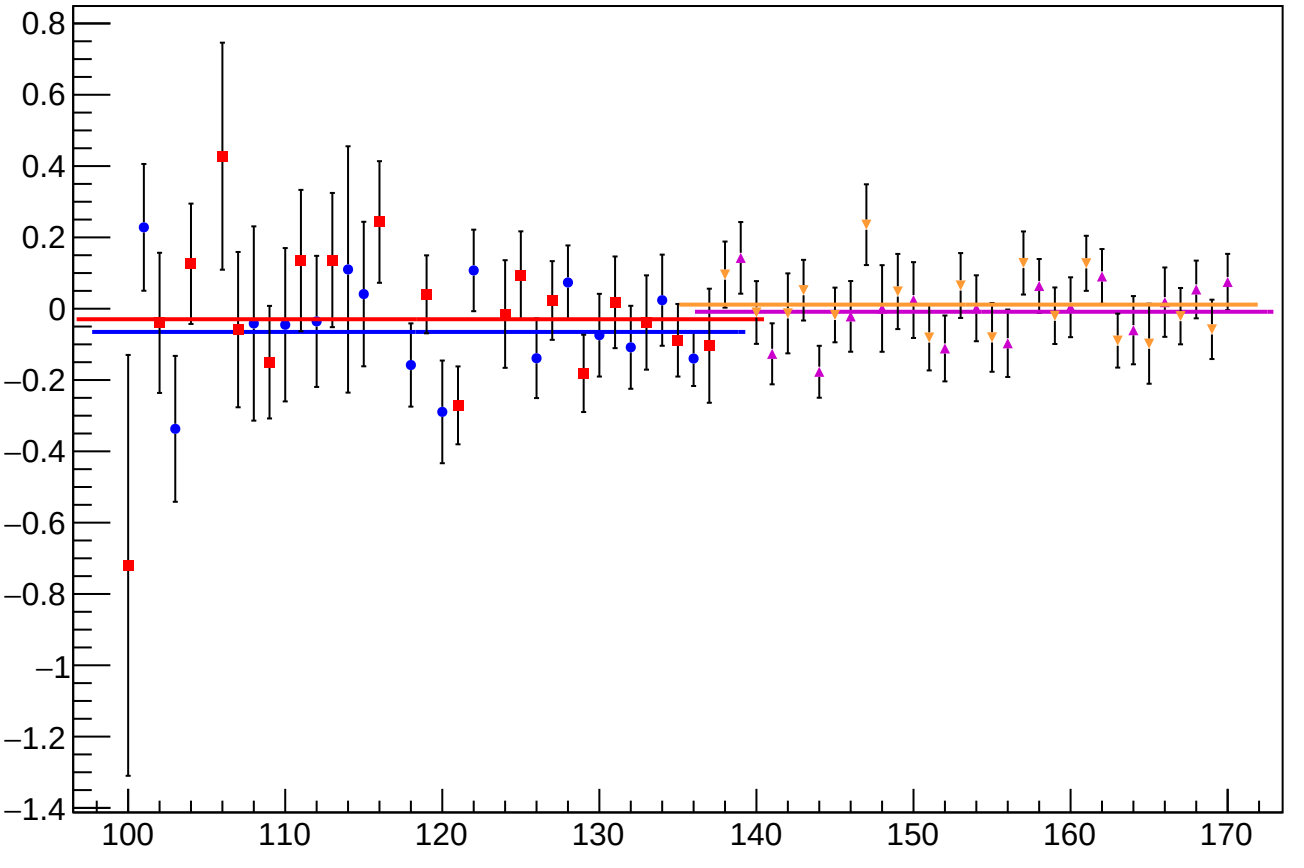
Left: 78.764+/-0.011 χ^2/NDF: 770899.7/32

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 81.365+/-0.013 χ^2/NDF:1539497.2/31

Out: 80.564+/-0.013 χ^2/NDF:1389307.2/35

All: 80.955+/-0.009 χ^2/NDF: 2930736.1/67



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.011+/-0.022 χ^2/NDF:15.3/16

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.009+/-0.022 χ^2/NDF:16.4/15

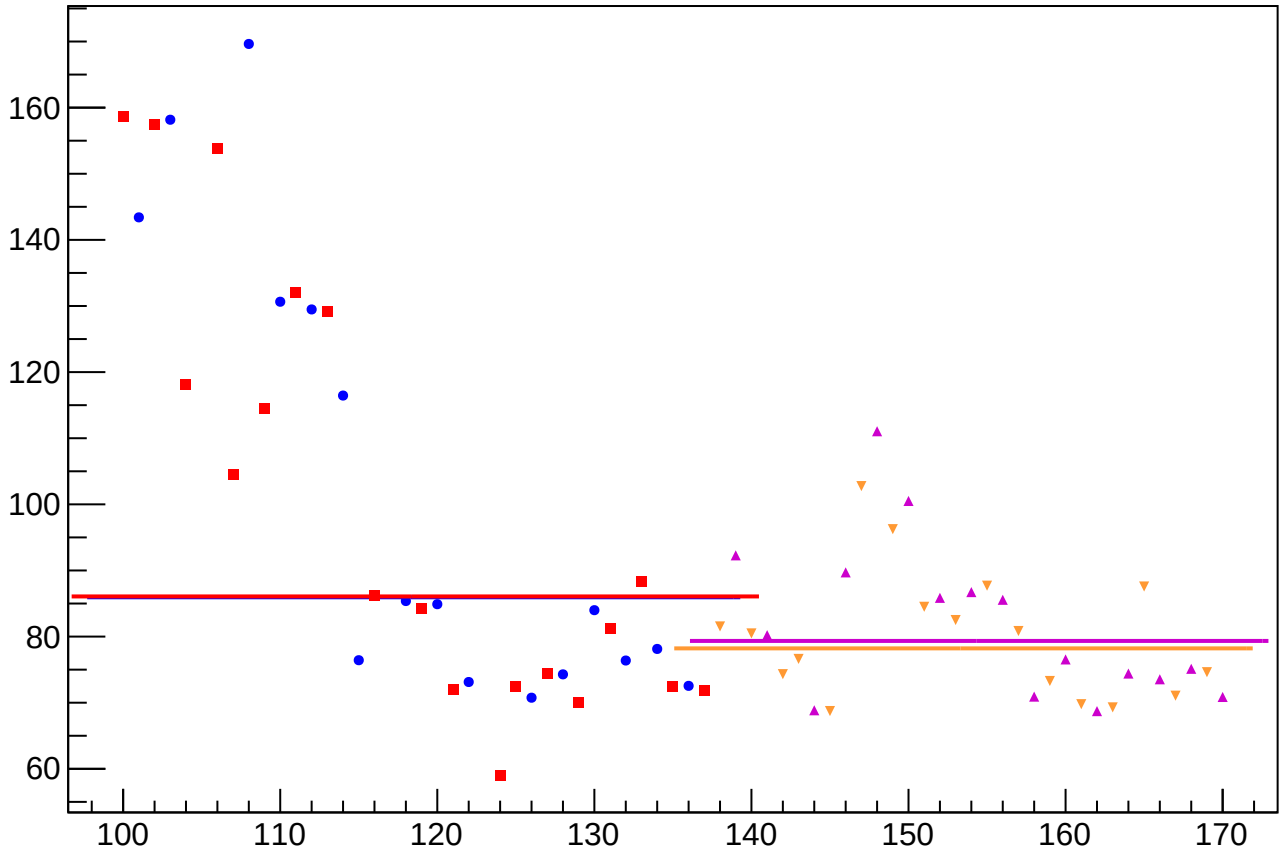
Left: 0.002+/-0.015 χ^2/NDF: 32.2/32

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: -0.001+/-0.018 χ^2/NDF:34.5/35

All: -0.013+/-0.013 χ^2/NDF: 68.1/67



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.216+/-0.015 χ^2/NDF:318265.0/16

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 79.343+/-0.016 χ^2/NDF:449967.6/15

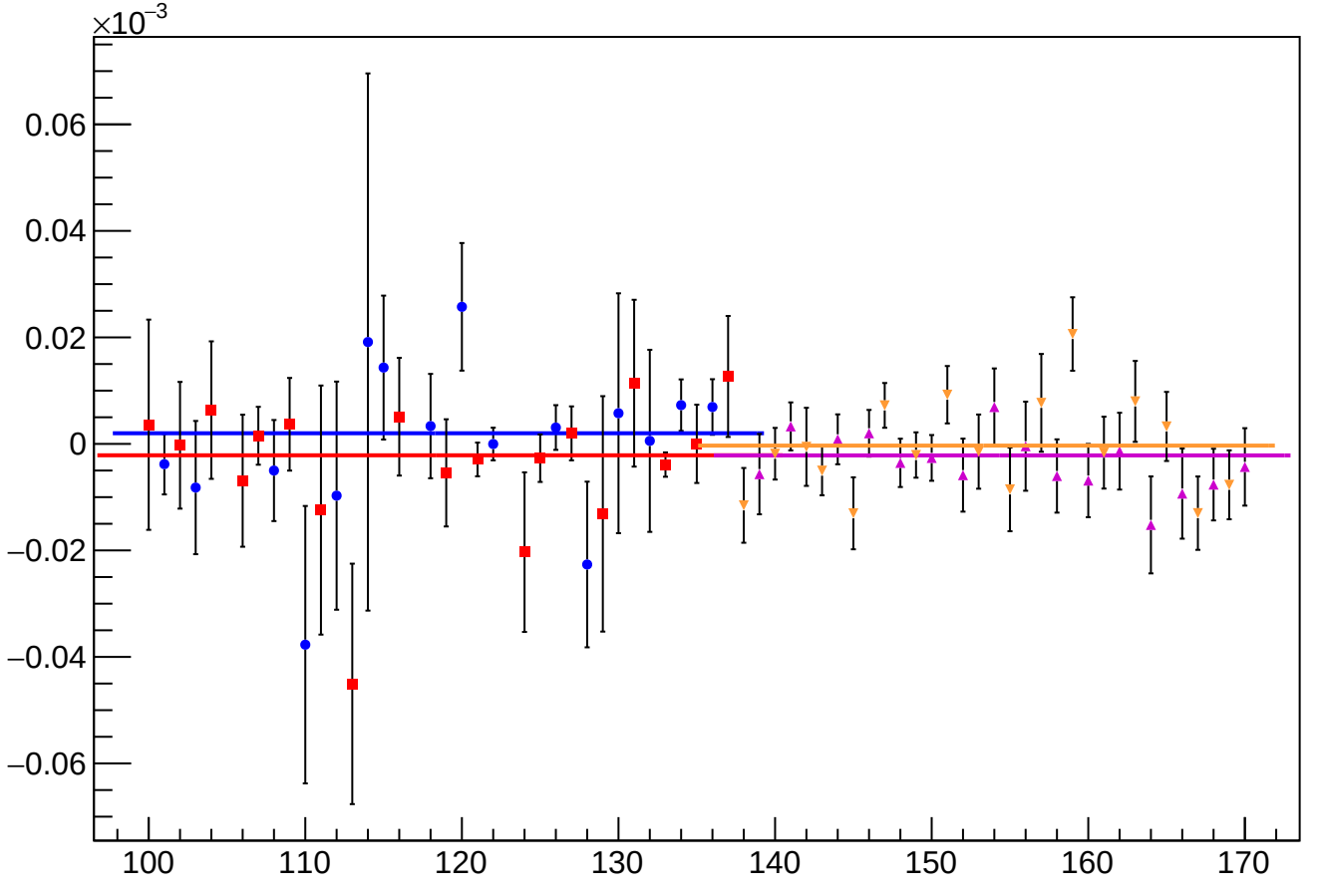
Left: 78.764+/-0.011 χ^2/NDF: 770899.7/32

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 81.365+/-0.013 χ^2/NDF:1539497.2/31

Out: 80.564+/-0.013 χ^2/NDF:1389307.2/35

All: 80.955+/-0.009 χ^2/NDF: 2930736.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/15

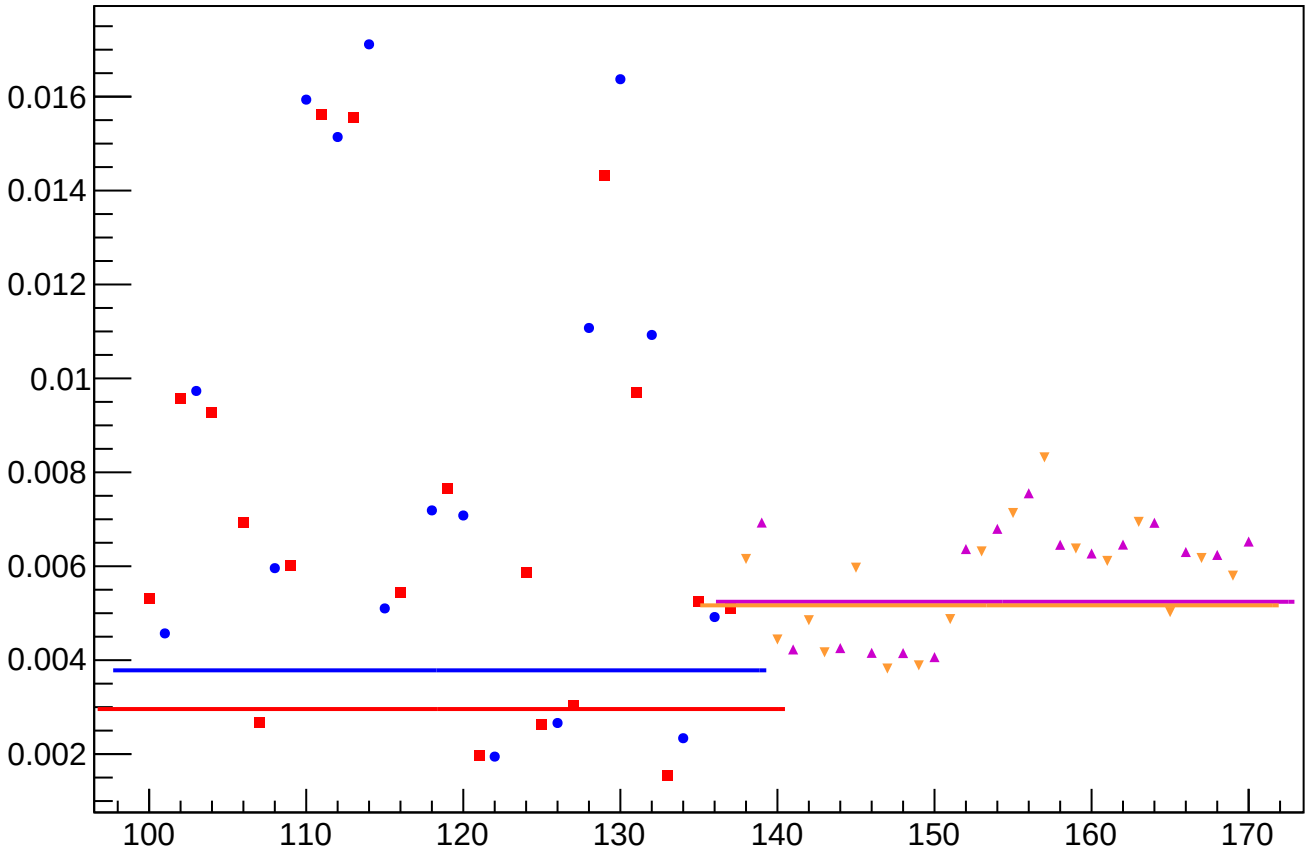
Left: -0.000+/-0.000 χ^2/NDF: 41.2/32

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:27.5/31

Out: -0.000+/-0.000 χ^2/NDF:43.4/35

All: -0.000+/-0.000 χ^2/NDF: 71.3/67



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1289971.6/16

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1347352.0/15

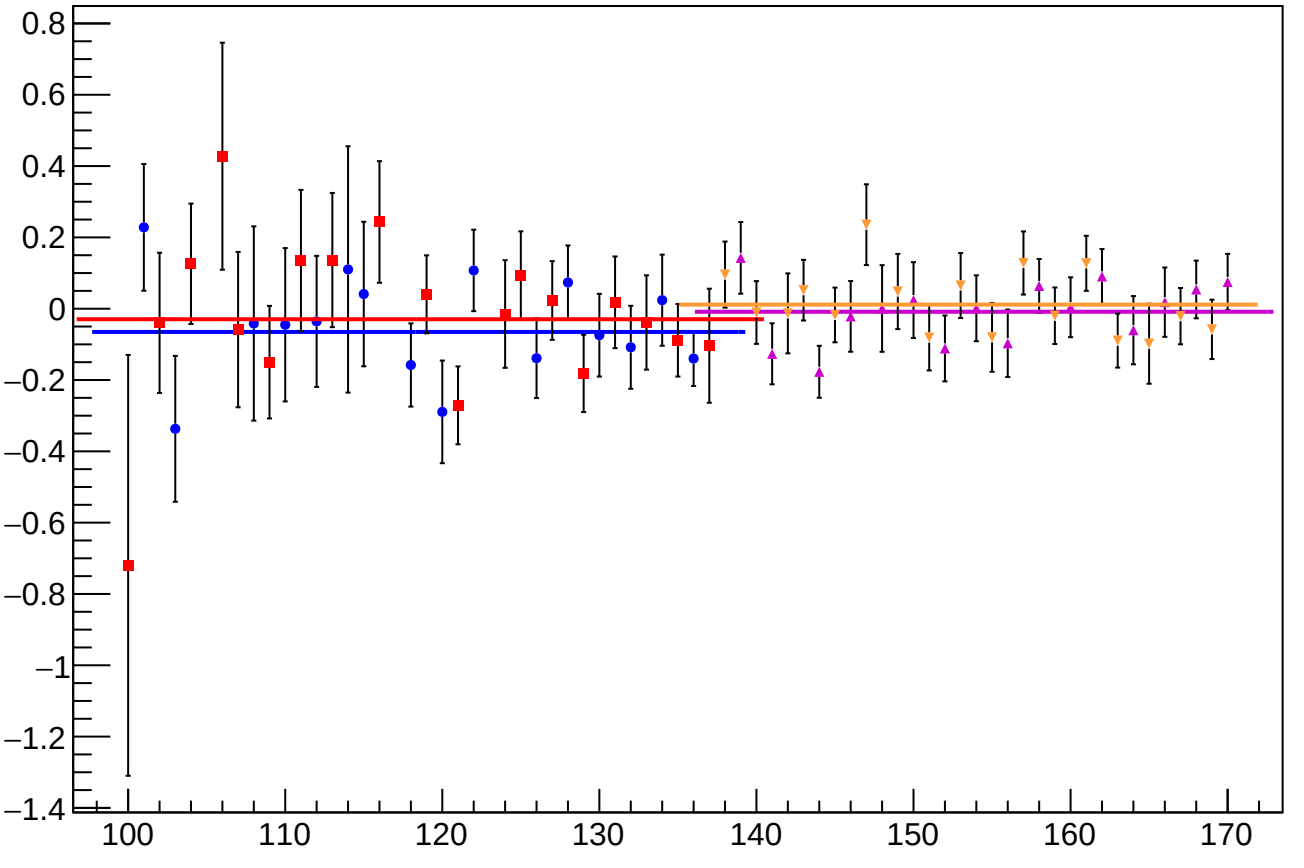
Left: 0.005+/-0.000 χ^2/NDF: 2639989.2/32

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6850312.3/31

Out: 0.004+/-0.000 χ^2/NDF:9230961.1/35

All: 0.004+/-0.000 χ^2/NDF: 16398004.1/67



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.011+/-0.022 χ^2/NDF:15.3/16

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.009+/-0.022 χ^2/NDF:16.4/15

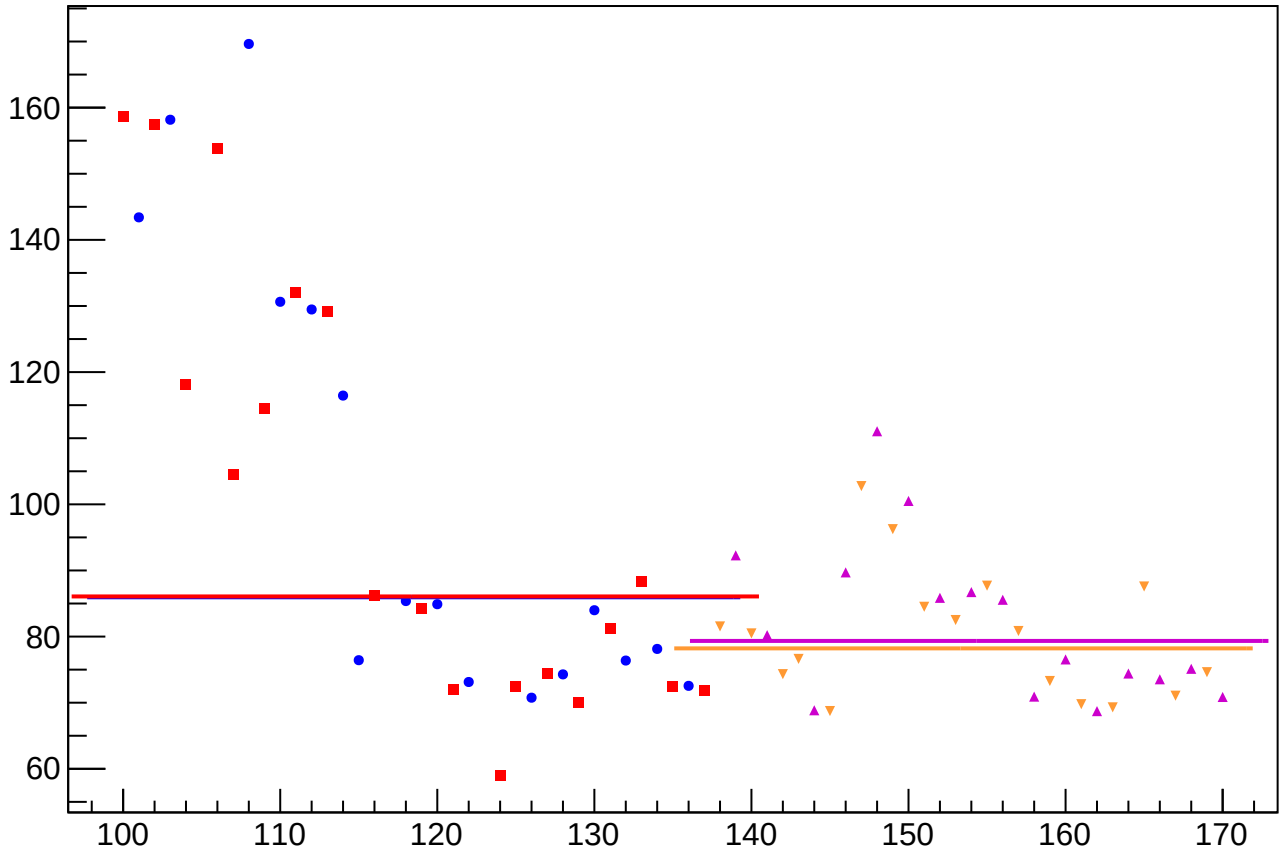
Left: 0.002+/-0.015 χ^2/NDF: 32.2/32

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: -0.001+/-0.018 χ^2/NDF:34.5/35

All: -0.013+/-0.013 χ^2/NDF: 68.1/67



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.216+/-0.015 χ^2/NDF:318312.7/16

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 79.342+/-0.016 χ^2/NDF:450016.3/15

Left: 78.763+/-0.011 χ^2/NDF: 770994.6/32

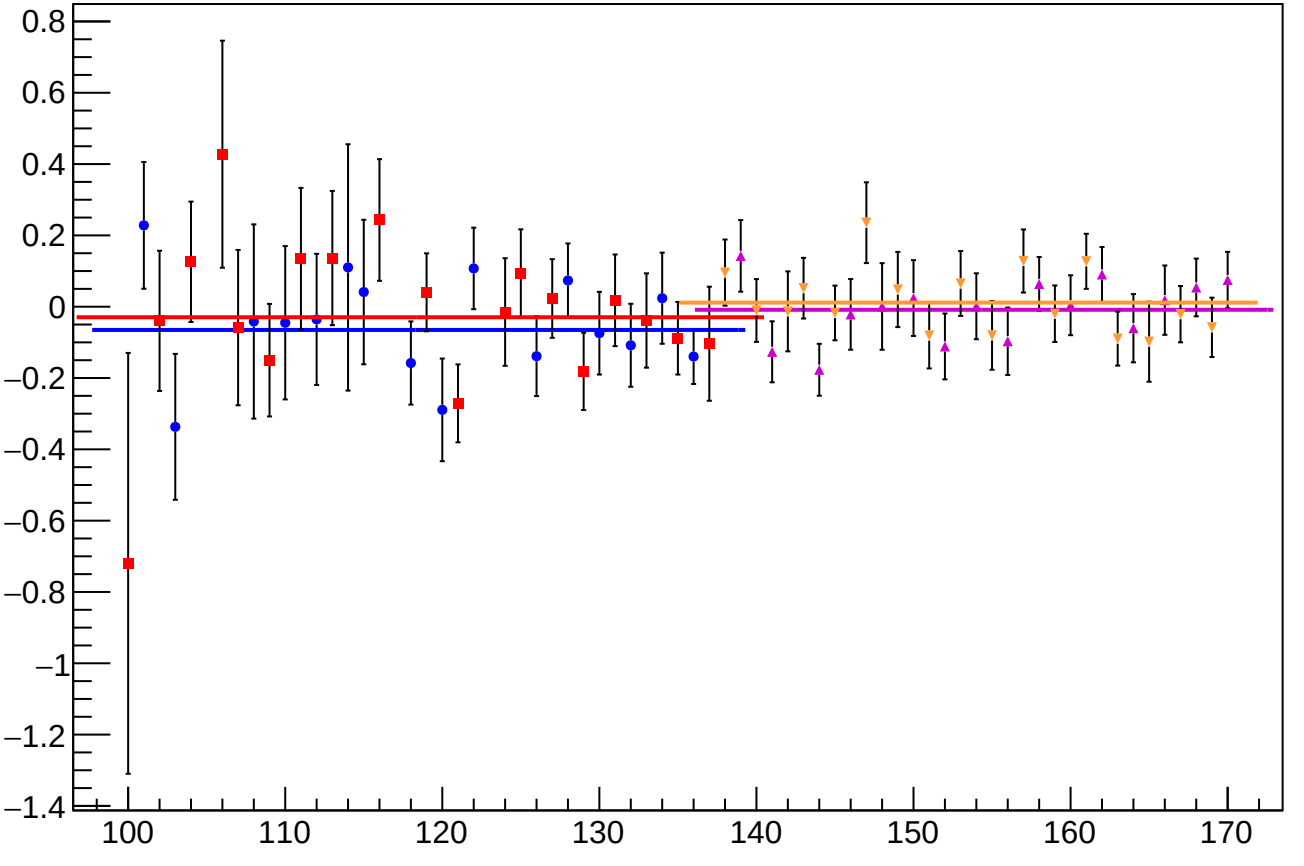
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.363+/-0.013 χ^2/NDF:1539505.3/31

Out: 80.562+/-0.013 χ^2/NDF:1389321.6/35

All: 80.954+/-0.009 χ^2/NDF: 2930757.1/67

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: 0.011+/-0.022 χ^2/NDF:15.3/16

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.009+/-0.022 χ^2/NDF:16.4/15

Left: 0.002+/-0.015 χ^2/NDF: 32.2/32

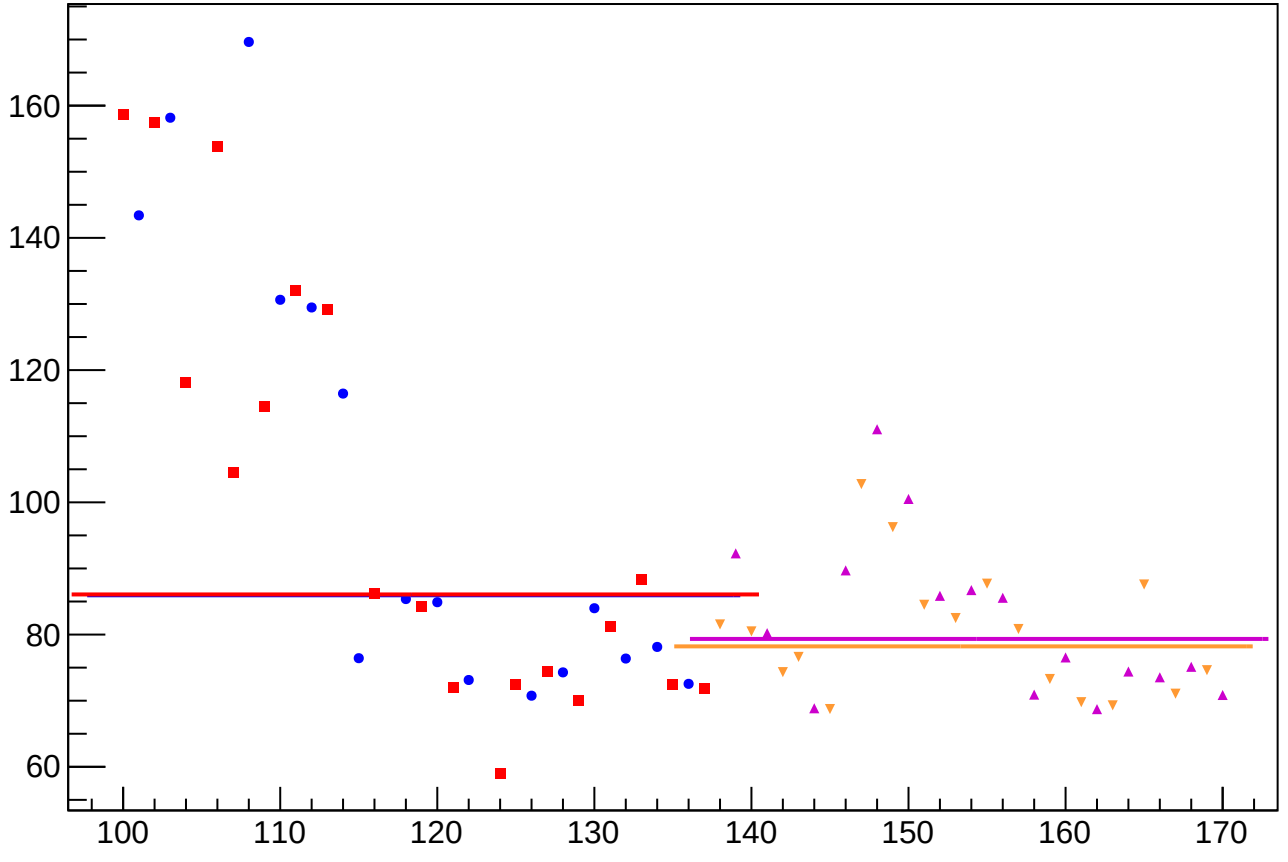
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: -0.001+/-0.018 χ^2/NDF:34.5/35

All: -0.013+/-0.013 χ^2/NDF: 68.1/67

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.216+/-0.015 χ^2/NDF:318312.7/16

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 79.342+/-0.016 χ^2/NDF:450016.3/15

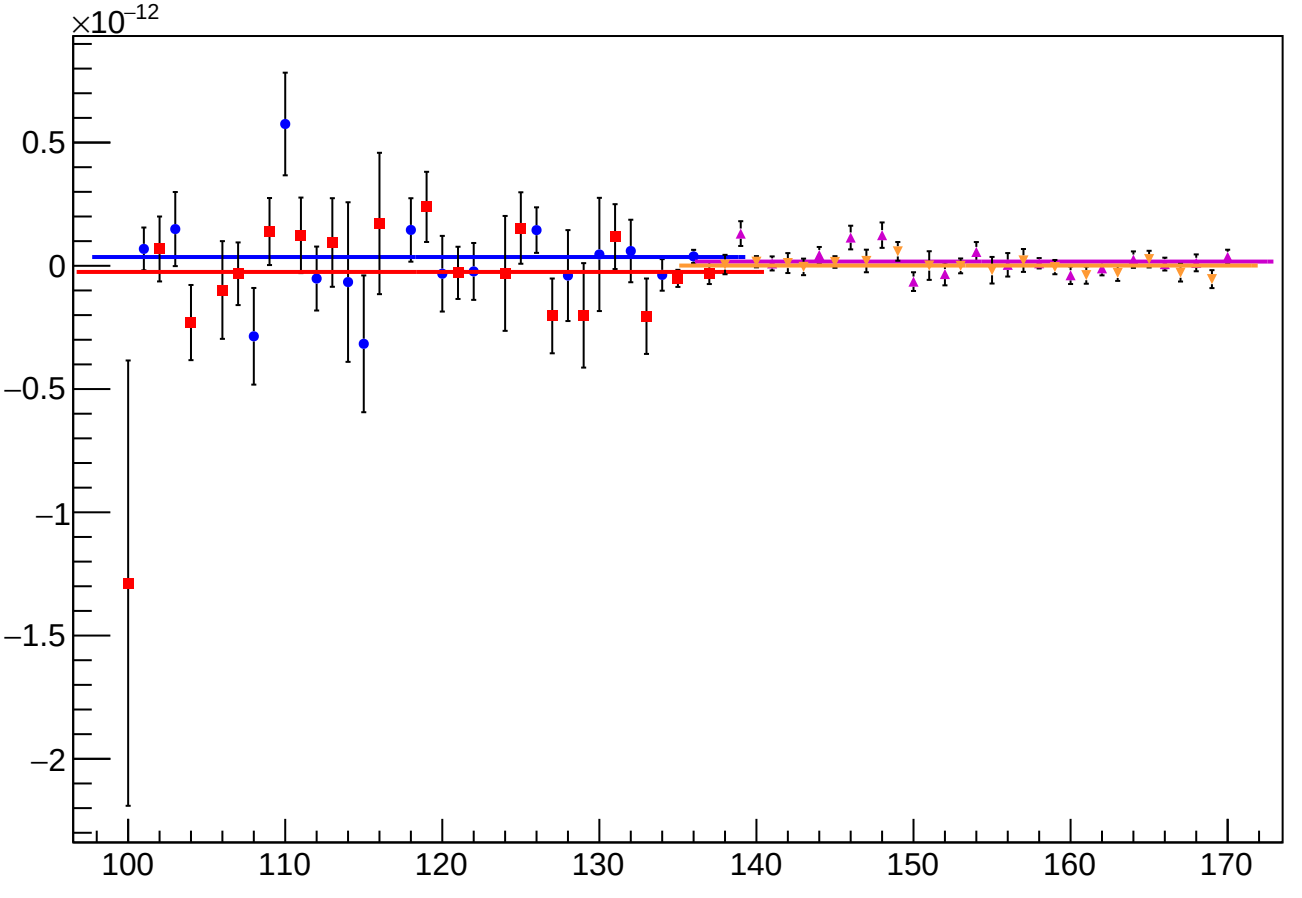
Left: 78.763+/-0.011 χ^2/NDF: 770994.6/32

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.363+/-0.013 χ^2/NDF:1539505.3/31

Out: 80.562+/-0.013 χ^2/NDF:1389321.6/35

All: 80.954+/-0.009 χ^2/NDF: 2930757.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.2/15

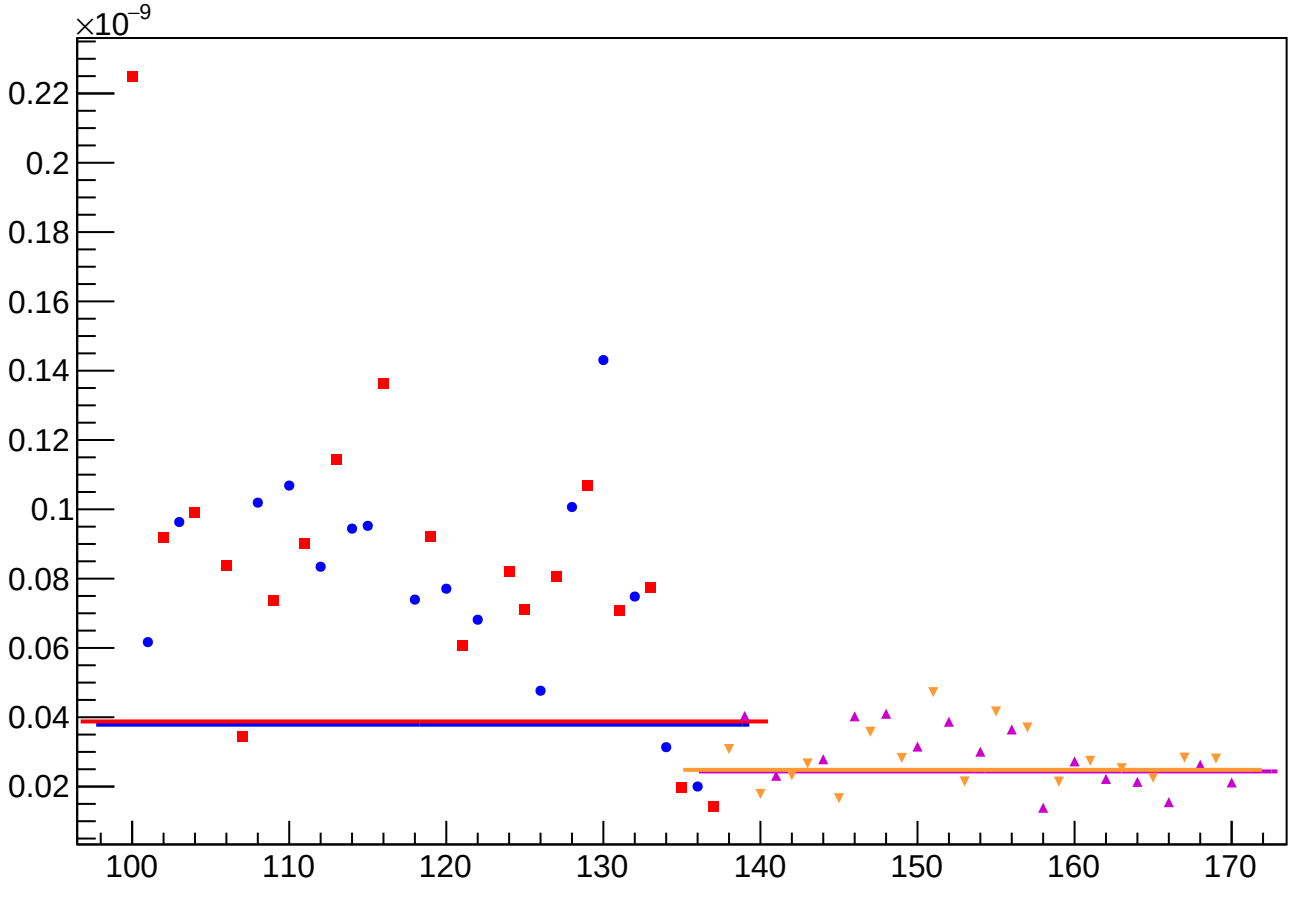
Left: 0.000+/-0.000 χ^2/NDF: 36.6/32

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:42.3/31

Out: -0.000+/-0.000 χ^2/NDF:28.5/35

All: 0.000+/-0.000 χ^2/NDF: 74.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1355397.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1895725.2/15

Left: 0.000+/-0.000 χ^2/NDF: 3254227.6/32

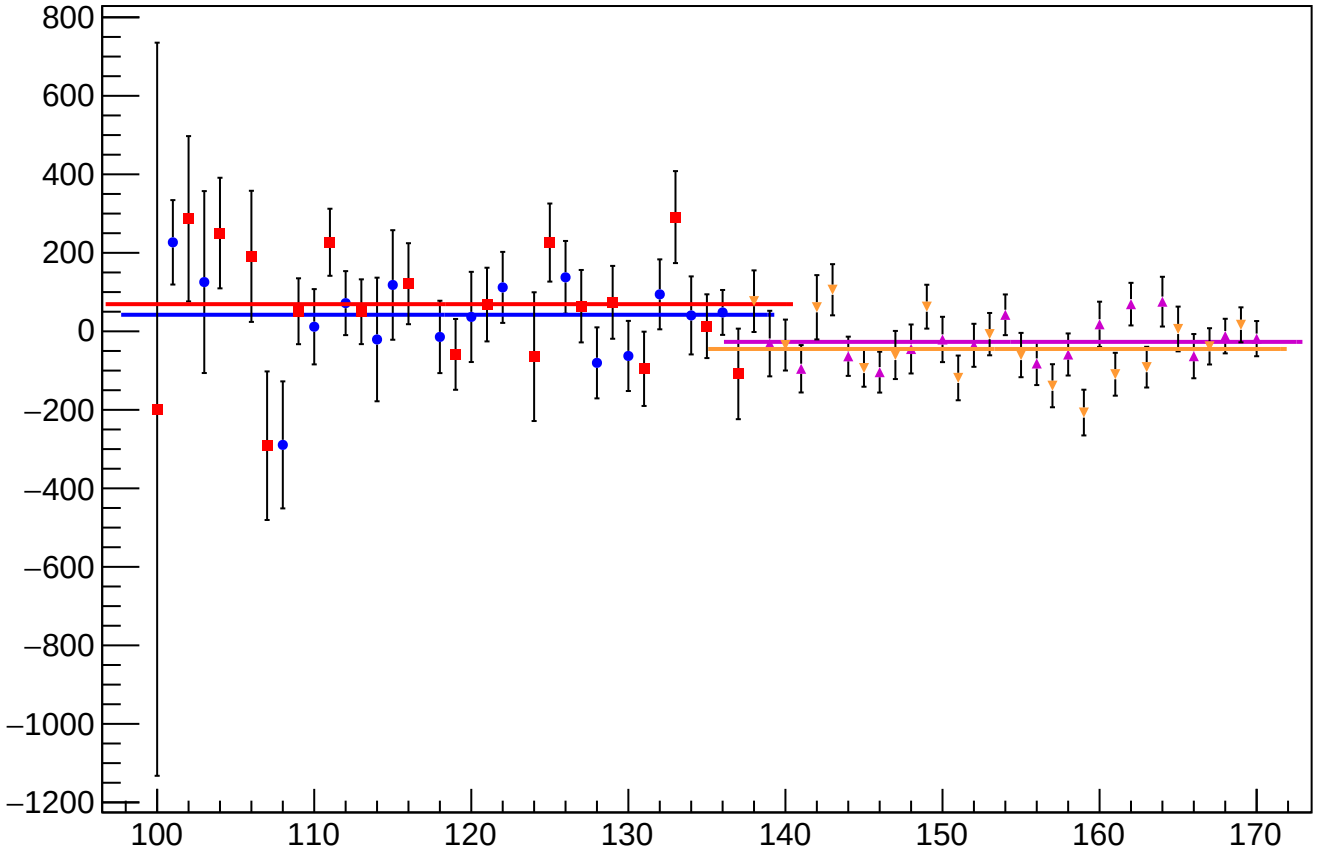
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6087494.0/31

Out: 0.000+/-0.000 χ^2/NDF:6173005.0/35

All: 0.000+/-0.000 χ^2/NDF: 12261643.7/67

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -44.930+/-13.618 χ^2/NDF:32.1/16

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -26.839+/-13.678 χ^2/NDF:14.2/15

Left: -35.924+/-9.650 χ^2/NDF: 47.2/32

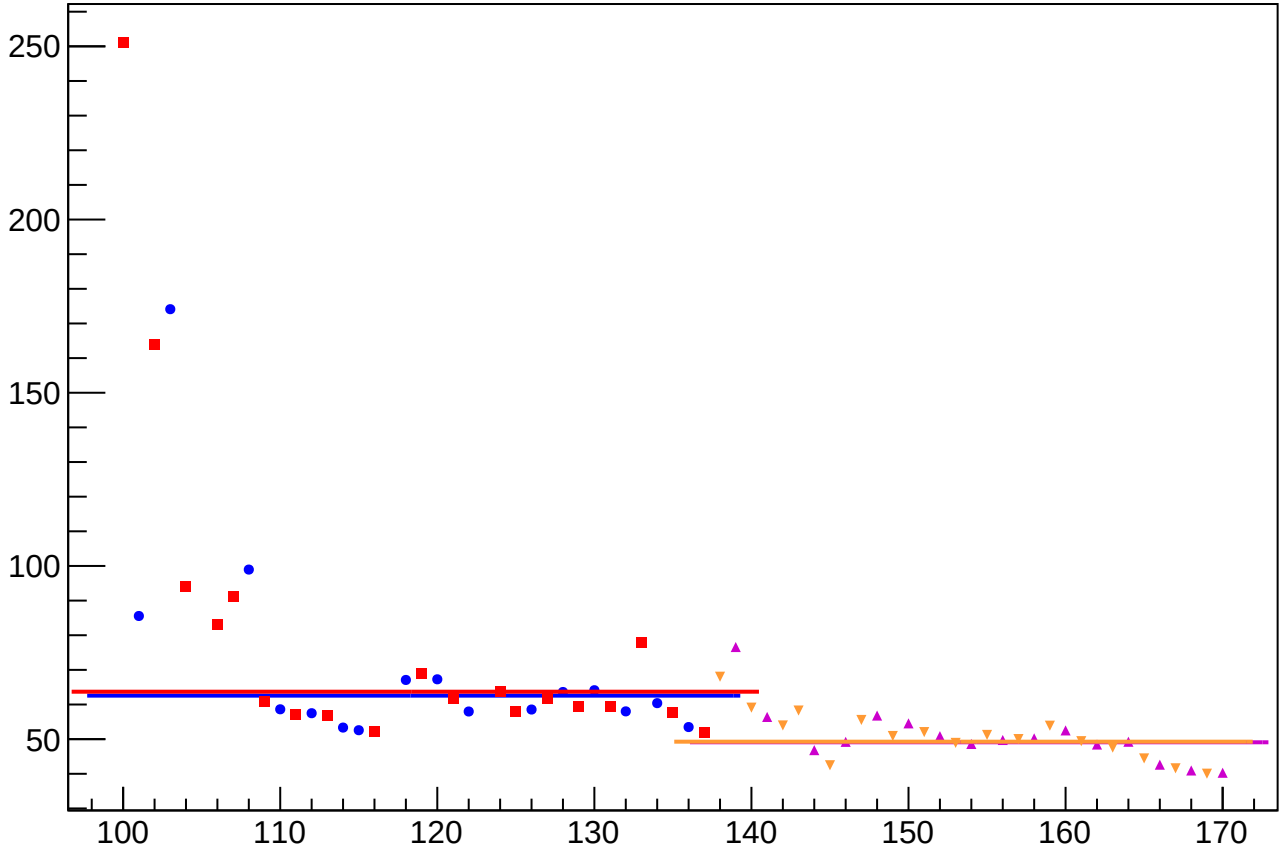
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.127+/-11.908 χ^2/NDF:33.9/31

Out: -17.842+/-11.893 χ^2/NDF:74.1/35

All: -13.989+/-8.415 χ^2/NDF: 108.3/67

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 49.271+/-0.010 χ^2/NDF:446224.5/16

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

Left: 49.184+/-0.007 χ^2/NDF: 927600.1/32

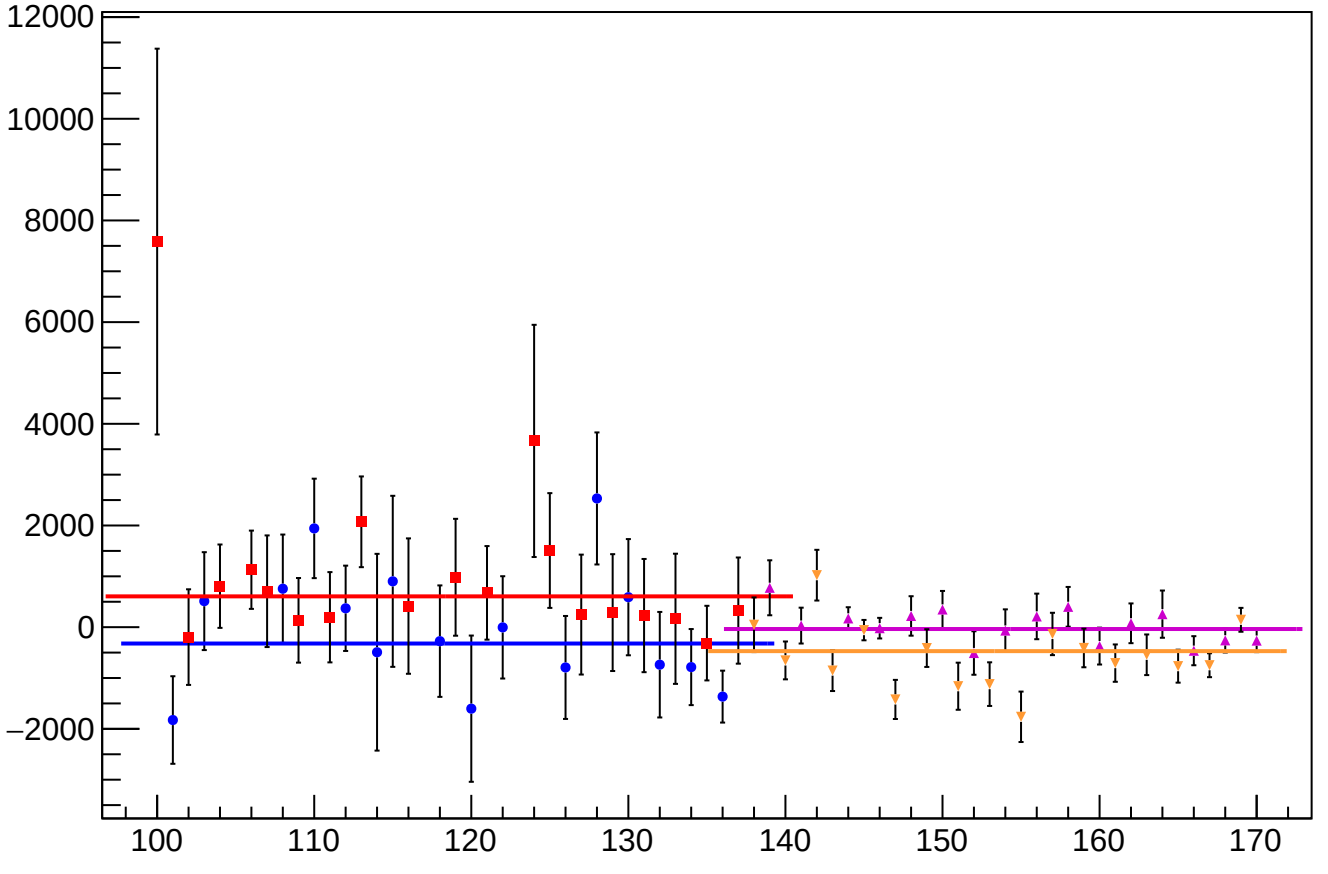
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 52.356+/-0.008 χ^2/NDF:1709138.0/31

Out: 52.694+/-0.008 χ^2/NDF:1813011.6/35

All: 52.525+/-0.006 χ^2/NDF: 3522955.4/67

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -471.386+/-82.735 χ^2/NDF:43.0/16

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: -36.302+/-78.717 χ^2/NDF:13.0/15

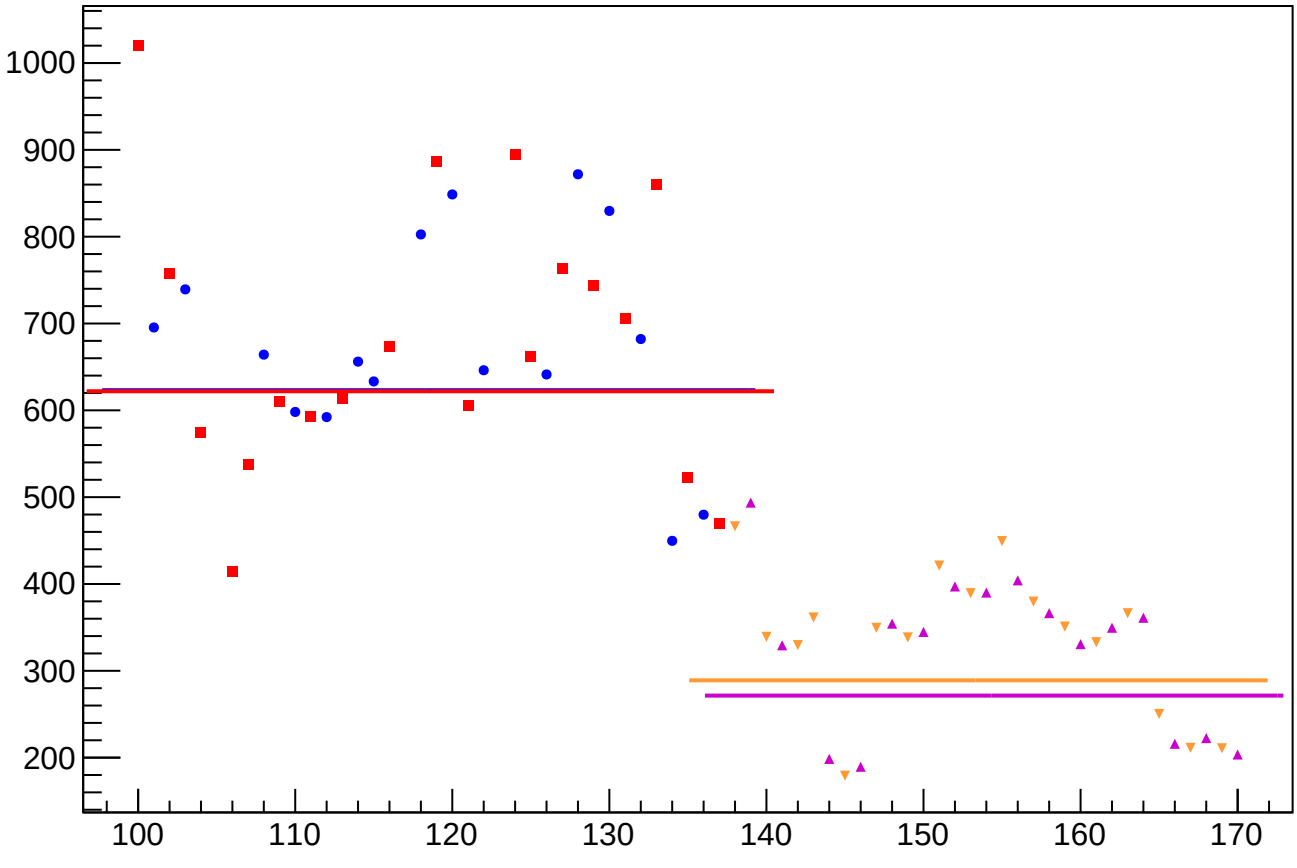
Left: -243.024+/-57.029 χ^2/NDF: 70.4/32

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -64.337+/-74.750 χ^2/NDF:37.0/31

Out: -351.358+/-77.990 χ^2/NDF:74.3/35

All: -201.764+/-53.965 χ^2/NDF: 118.4/67



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 289.011+/-0.059 χ^2/NDF:2219756.1/16

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 271.452+/-0.056 χ^2/NDF:2285879.3/15

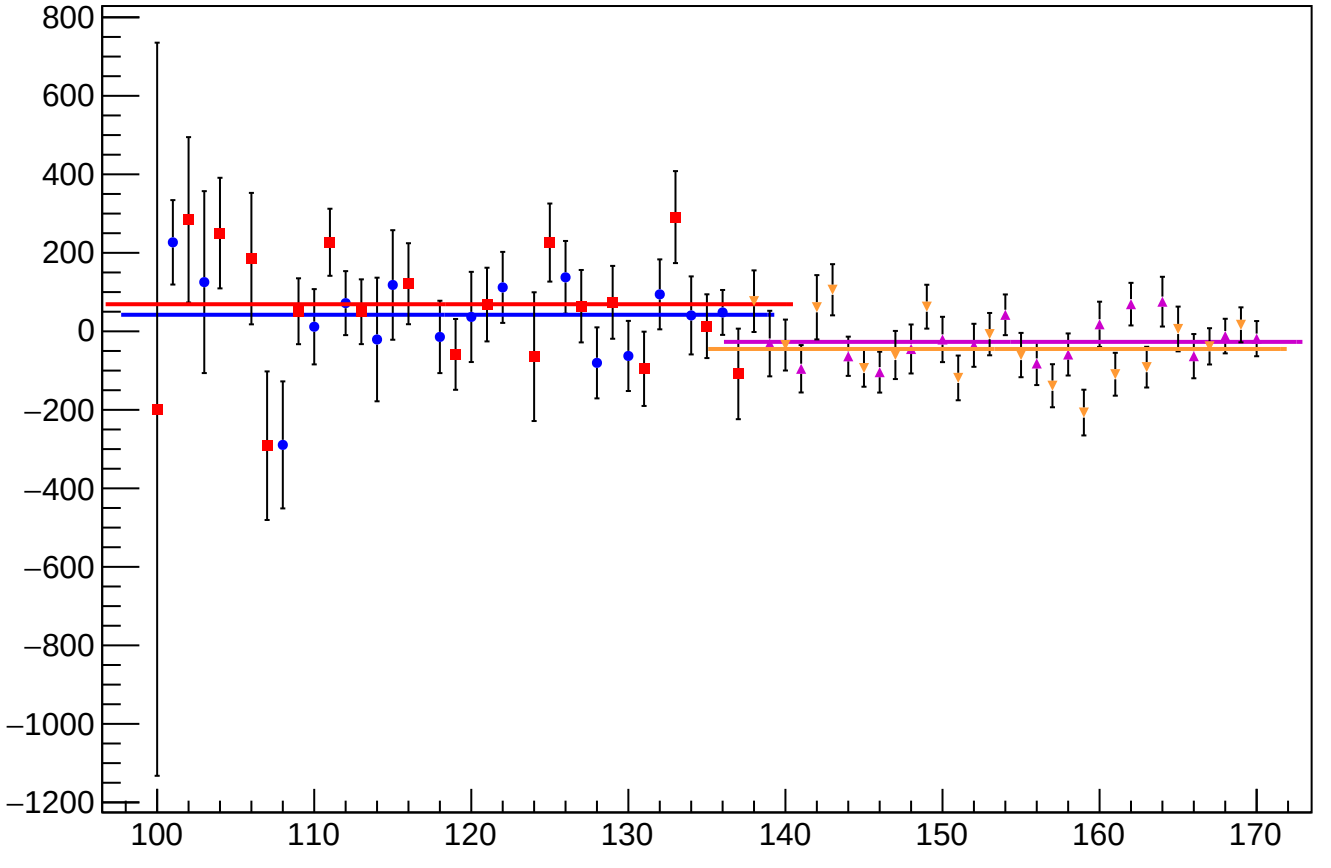
Left: 279.795+/-0.040 χ^2/NDF: 4552919.1/32

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 306.008+/-0.053 χ^2/NDF:6774434.4/31

Out: 326.110+/-0.055 χ^2/NDF:6411566.5/35

All: 315.633+/-0.038 χ^2/NDF: 13255256.2/67



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -44.927+/-13.618 χ^2/NDF:32.1/16

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.839+/-13.678 χ^2/NDF:14.2/15

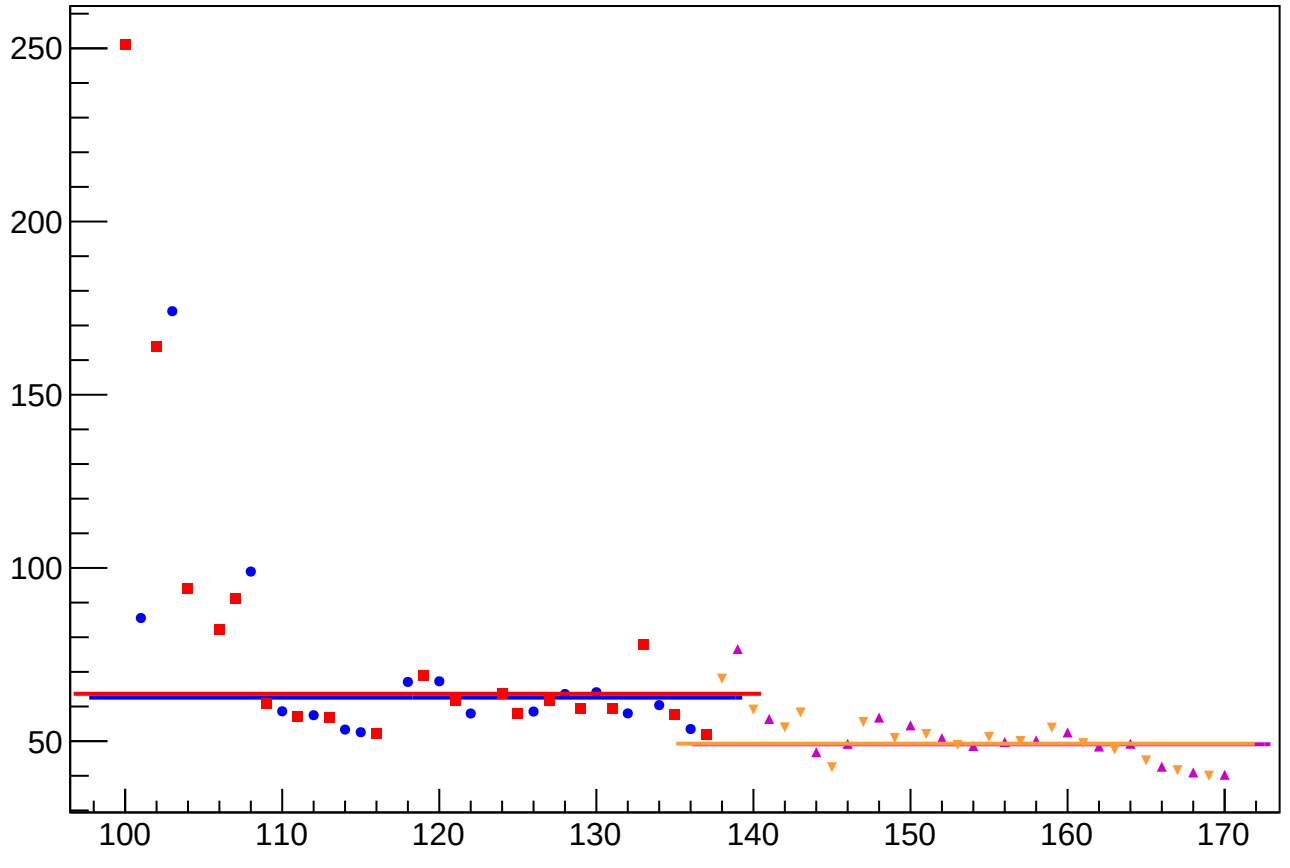
Left: -35.922+/-9.650 χ^2/NDF: 47.2/32

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.128+/-11.908 χ^2/NDF:33.9/31

Out: -17.885+/-11.894 χ^2/NDF:74.0/35

All: -14.011+/-8.415 χ^2/NDF: 108.1/67



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 49.271+/-0.010 χ^2/NDF:446224.4/16

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

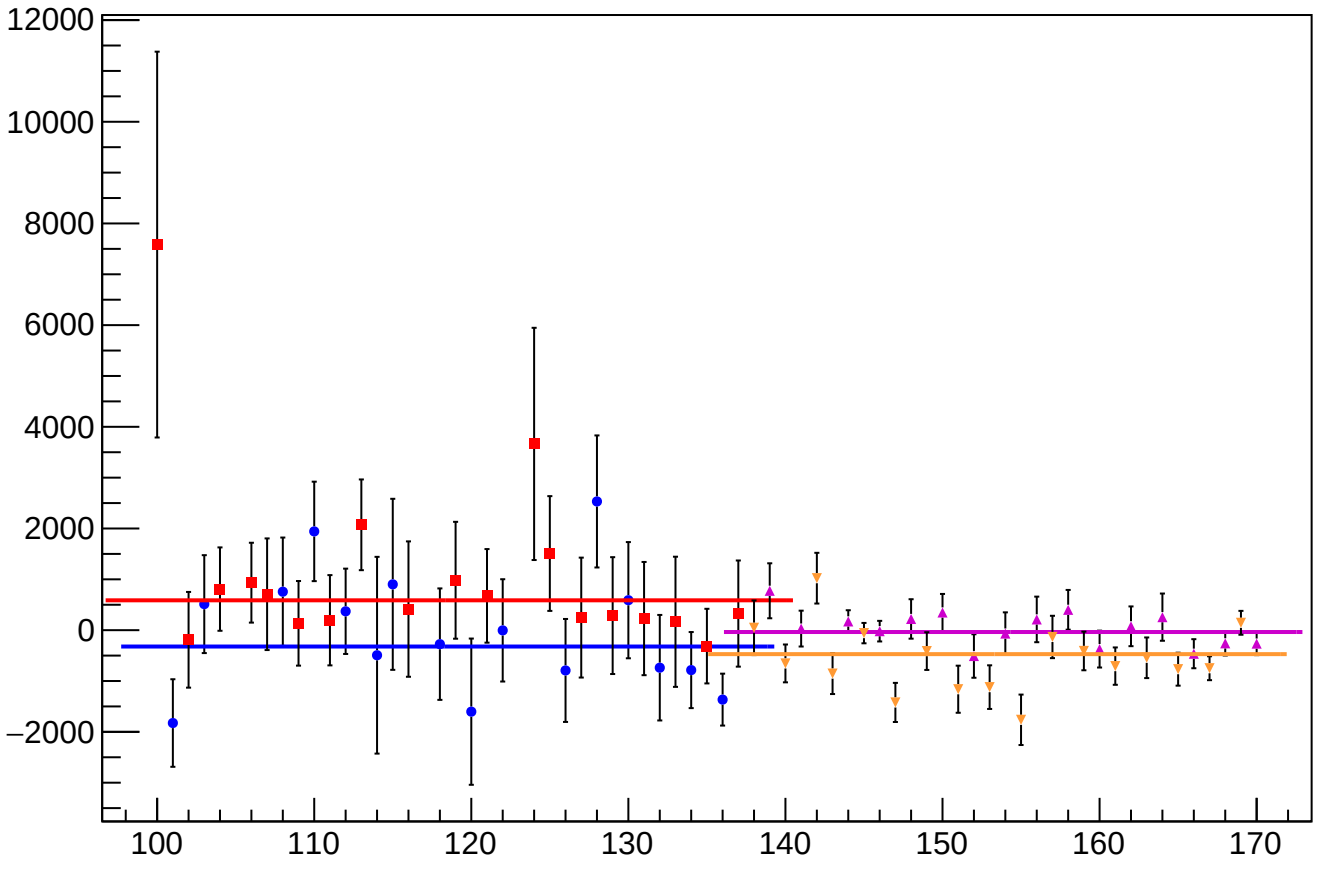
Left: 49.184+/-0.007 χ^2/NDF: 927600.0/32

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 52.356+/-0.008 χ^2/NDF:1709139.9/31

Out: 52.688+/-0.008 χ^2/NDF:1808433.9/35

All: 52.522+/-0.006 χ^2/NDF: 3518351.0/67



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -471.380+/-82.735 χ^2/NDF:43.0/16

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -36.298+/-78.717 χ^2/NDF:13.0/15

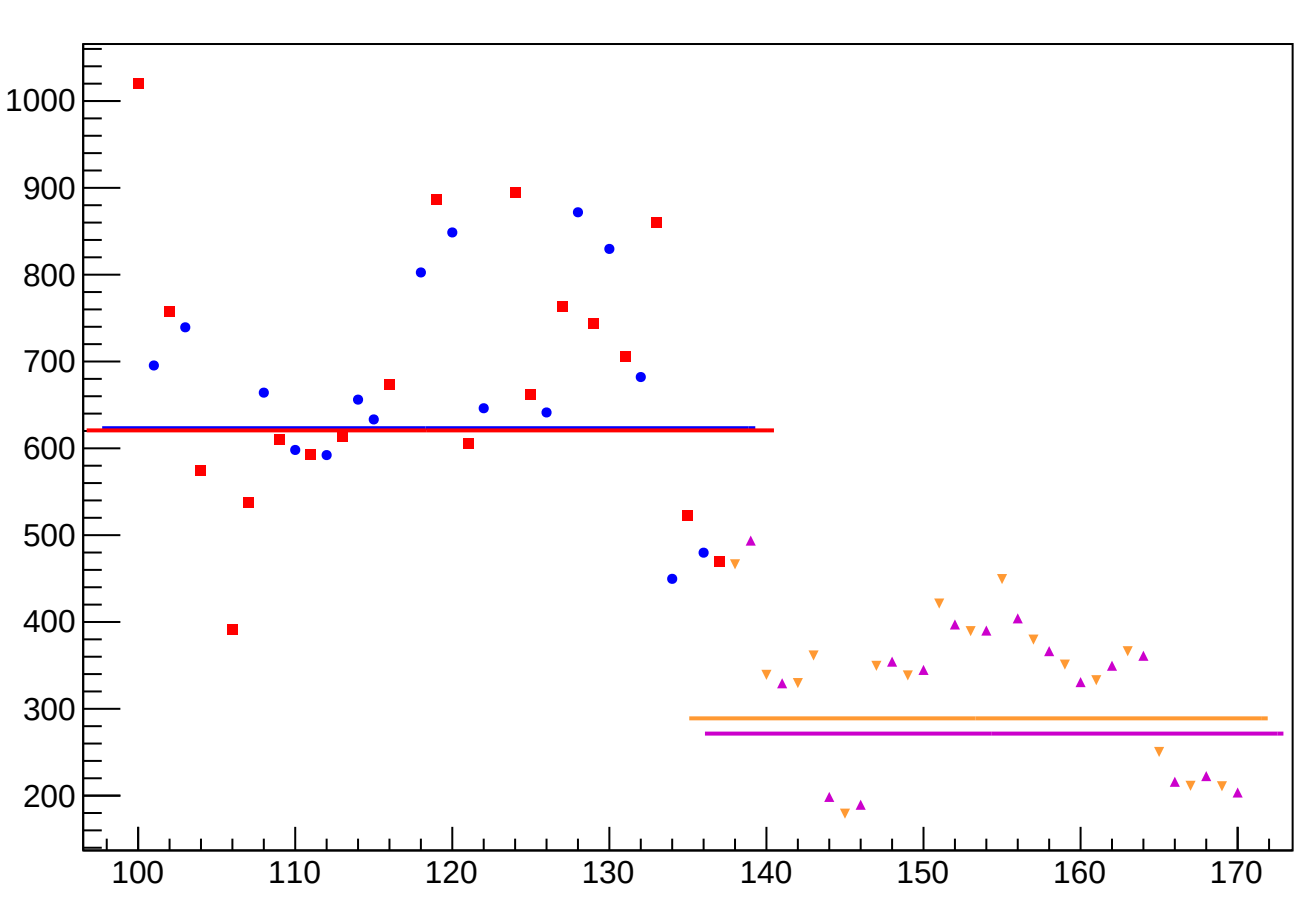
Left: -243.019+/-57.029 χ^2/NDF: 70.4/32

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -64.333+/-74.750 χ^2/NDF:37.0/31

Out: -353.821+/-78.006 χ^2/NDF:73.3/35

All: -202.911+/-53.971 χ^2/NDF: 117.5/67



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 289.011+/-0.059 χ^2/NDF:2219770.6/16

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 271.452+/-0.056 χ^2/NDF:2285880.0/15

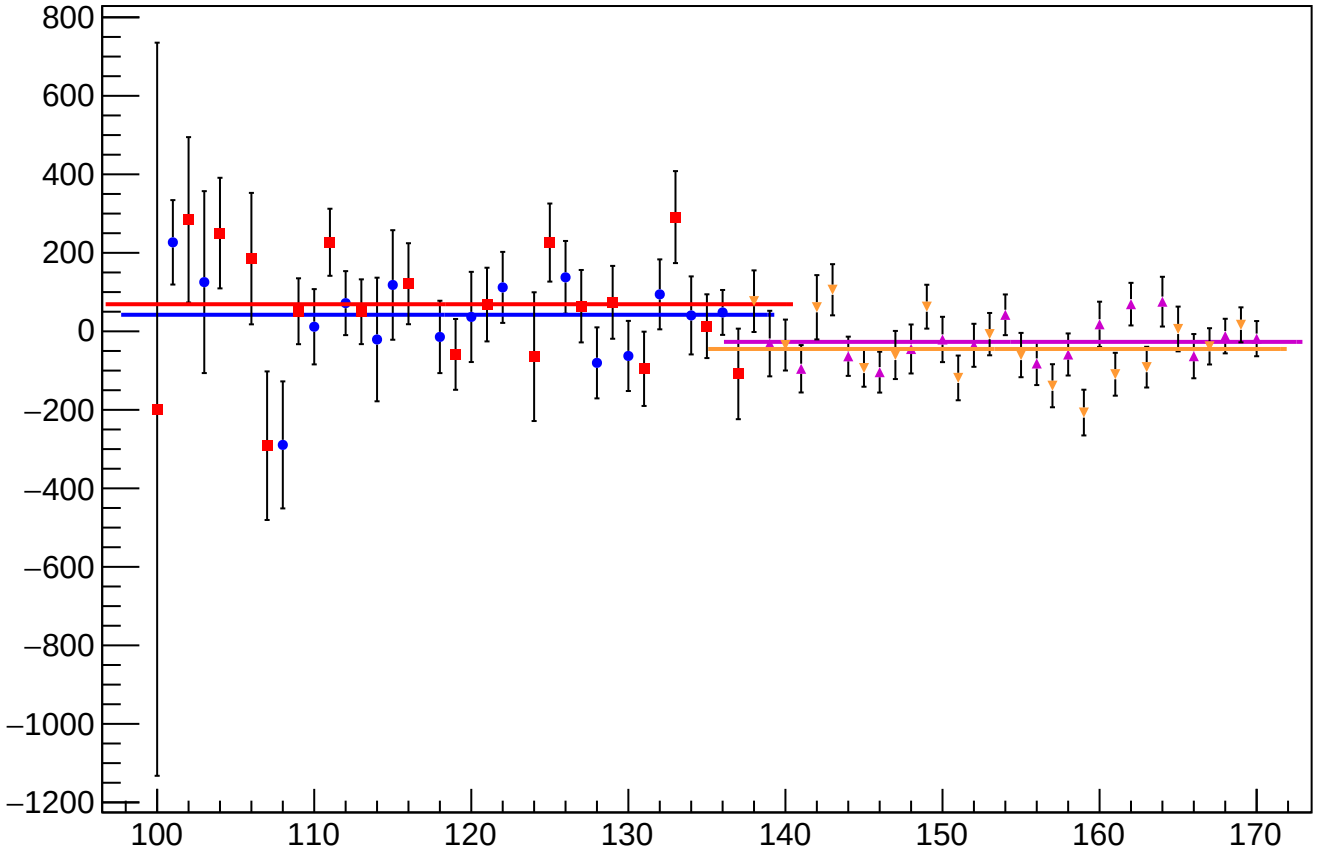
Left: 279.795+/-0.040 χ^2/NDF: 4552932.4/32

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 306.008+/-0.053 χ^2/NDF:6774489.8/31

Out: 325.842+/-0.055 χ^2/NDF:6399485.0/35

All: 315.503+/-0.038 χ^2/NDF: 13241382.8/67



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -44.927+/-13.618 χ^2/NDF:32.1/16

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.839+/-13.678 χ^2/NDF:14.2/15

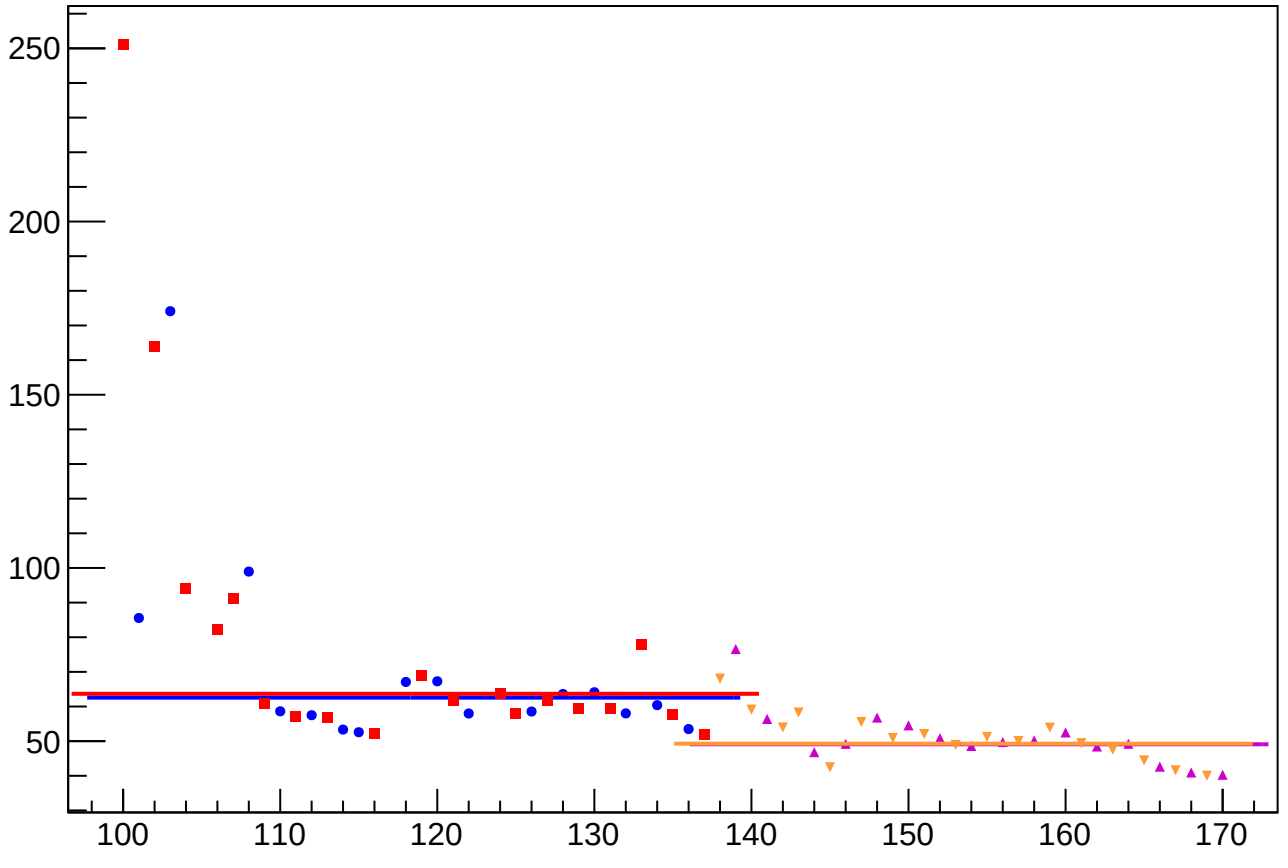
Left: -35.922+/-9.650 χ^2/NDF: 47.2/32

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.128+/-11.908 χ^2/NDF:33.9/31

Out: -17.885+/-11.894 χ^2/NDF:74.0/35

All: -14.011+/-8.415 χ^2/NDF: 108.1/67



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 49.271+/-0.010 χ^2/NDF:446224.4/16

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

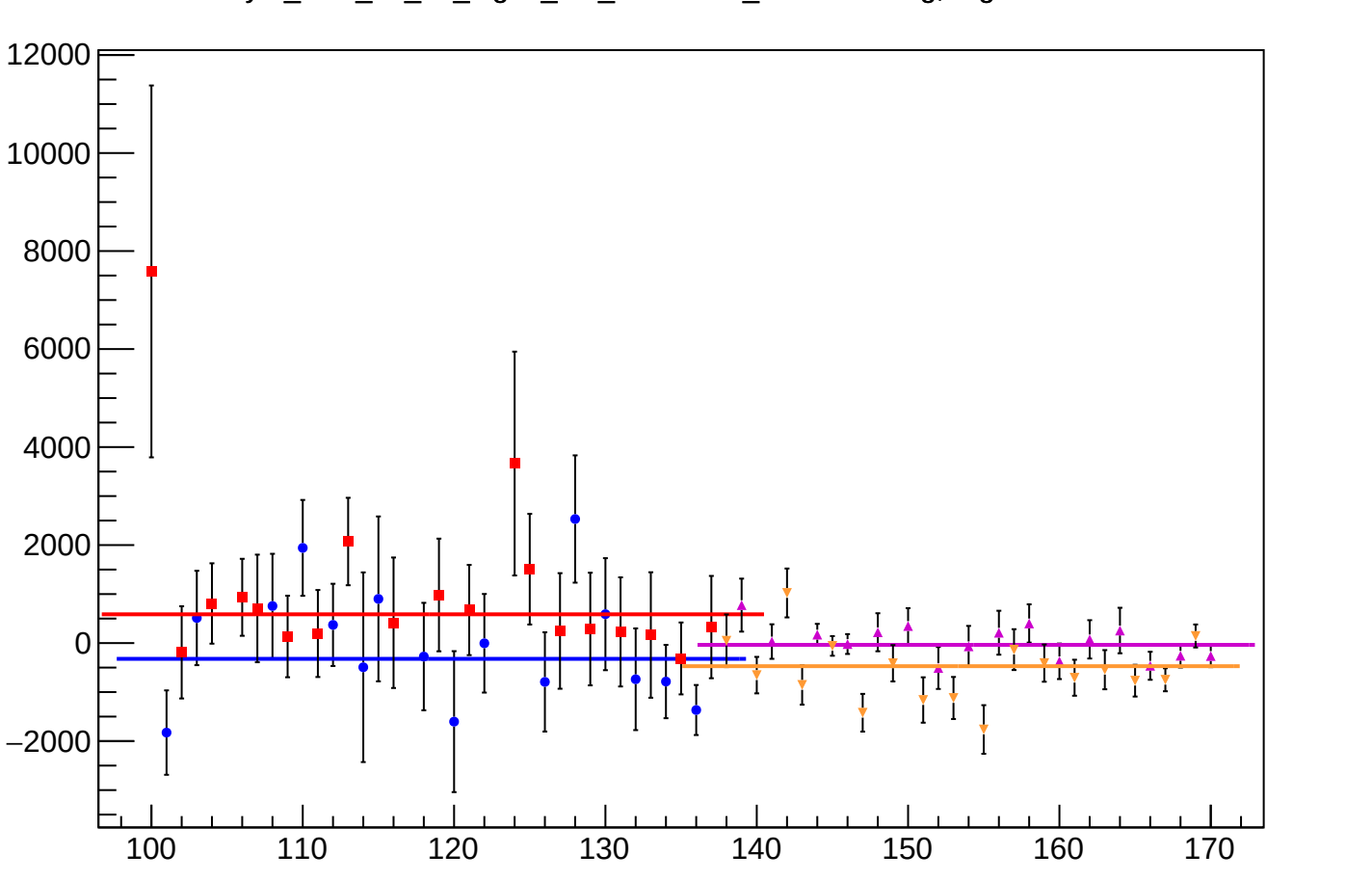
Left: 49.184+/-0.007 χ^2/NDF: 927600.0/32

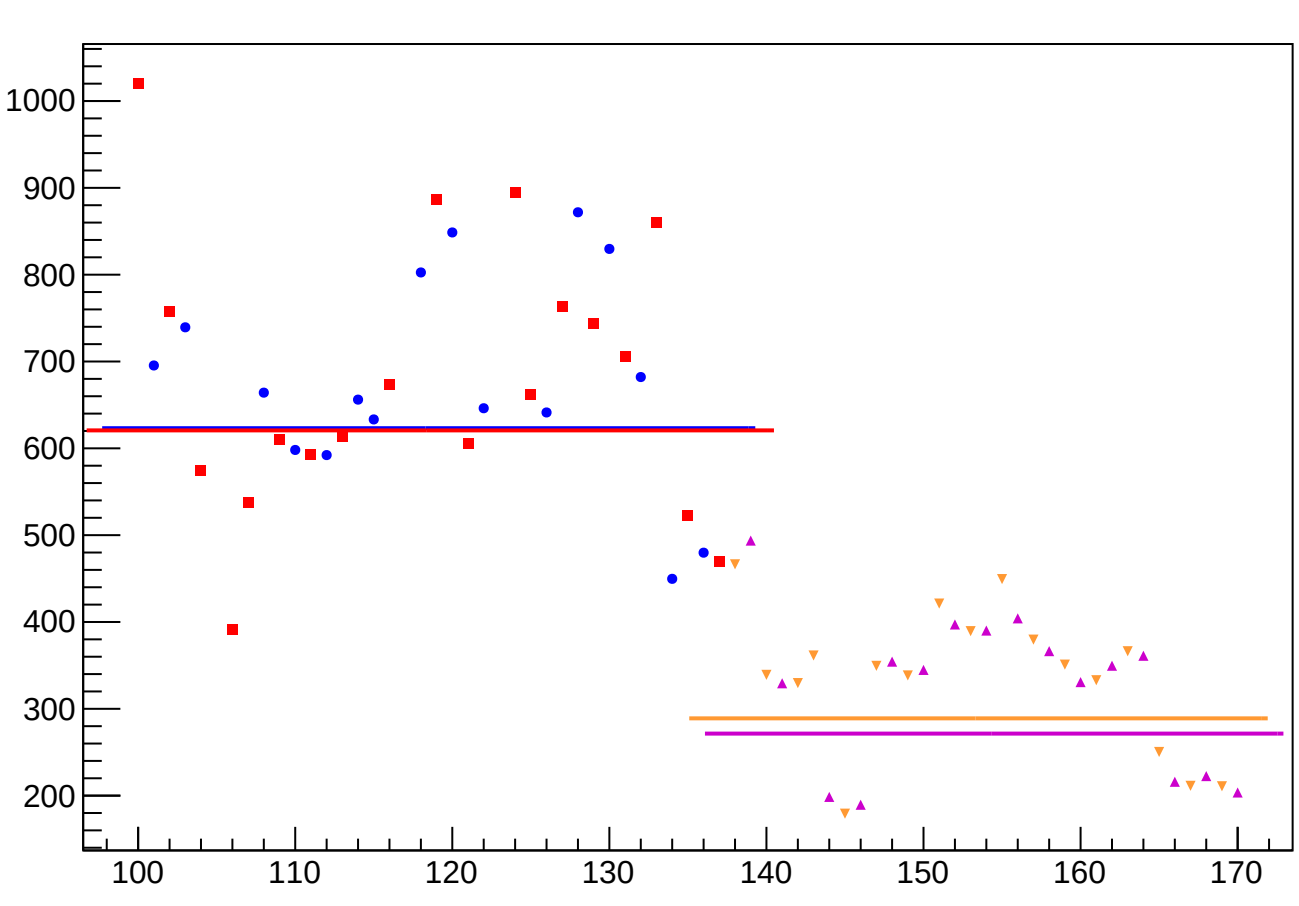
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 52.356+/-0.008 χ^2/NDF:1709139.9/31

Out: 52.688+/-0.008 χ^2/NDF:1808433.9/35

All: 52.522+/-0.006 χ^2/NDF: 3518351.0/67


asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -471.380+/-82.735 χ²/NDF:43.0/16
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: -36.298+/-78.717 χ²/NDF:13.0/15
Left: -243.019+/-57.029 χ²/NDF: 70.4/32
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -64.333+/-74.750 χ²/NDF:37.0/31
Out: -353.821+/-78.006 χ²/NDF:73.3/35
All: -202.911+/-53.971 χ²/NDF: 117.5/67



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 289.011+/-0.059 χ^2/NDF:2219770.6/16

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 271.452+/-0.056 χ^2/NDF:2285880.0/15

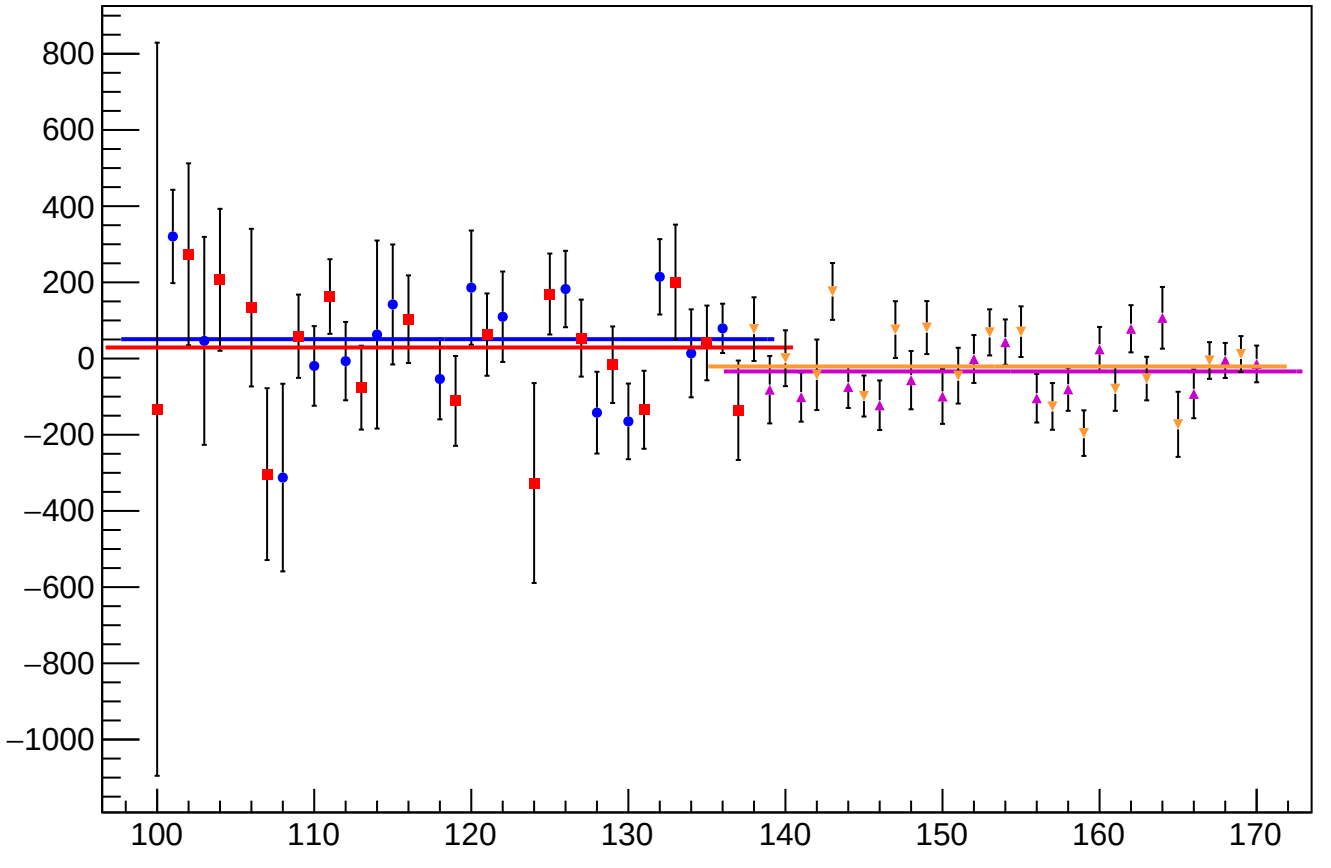
Left: 279.795+/-0.040 χ^2/NDF: 4552932.4/32

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 306.008+/-0.053 χ^2/NDF:6774489.8/31

Out: 325.842+/-0.055 χ^2/NDF:6399485.0/35

All: 315.503+/-0.038 χ^2/NDF: 13241382.8/67



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -20.770+/-15.405 χ^2/NDF:35.1/16

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -33.857+/-15.352 χ^2/NDF:17.2/15

Left: -27.336+/-10.874 χ^2/NDF: 52.7/32

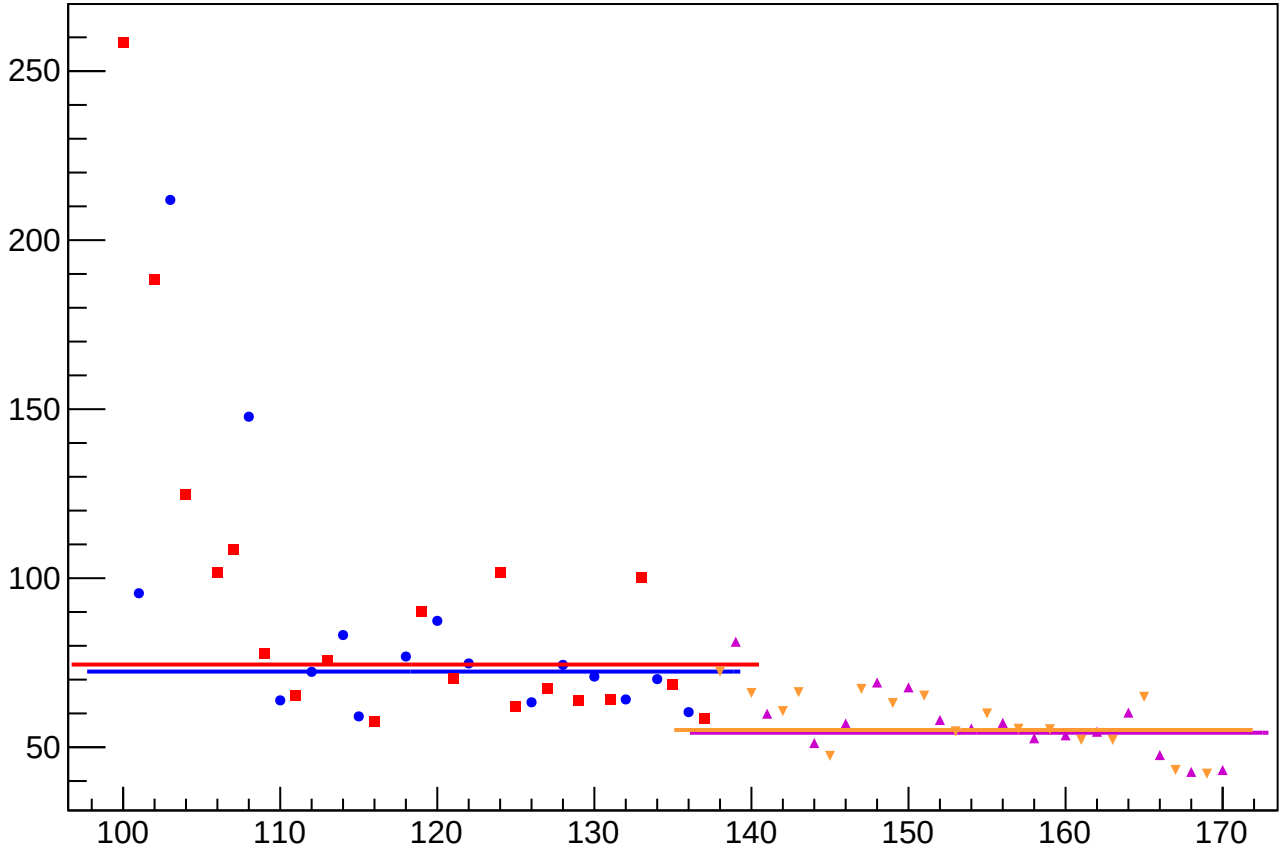
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -14.617+/-13.496 χ^2/NDF:47.0/31

Out: -9.755+/-13.595 χ^2/NDF:56.0/35

All: -12.204+/-9.578 χ^2/NDF: 103.0/67

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 55.106+/-0.011 χ^2/NDF:660386.4/16

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 54.289+/-0.011 χ^2/NDF:633065.5/15

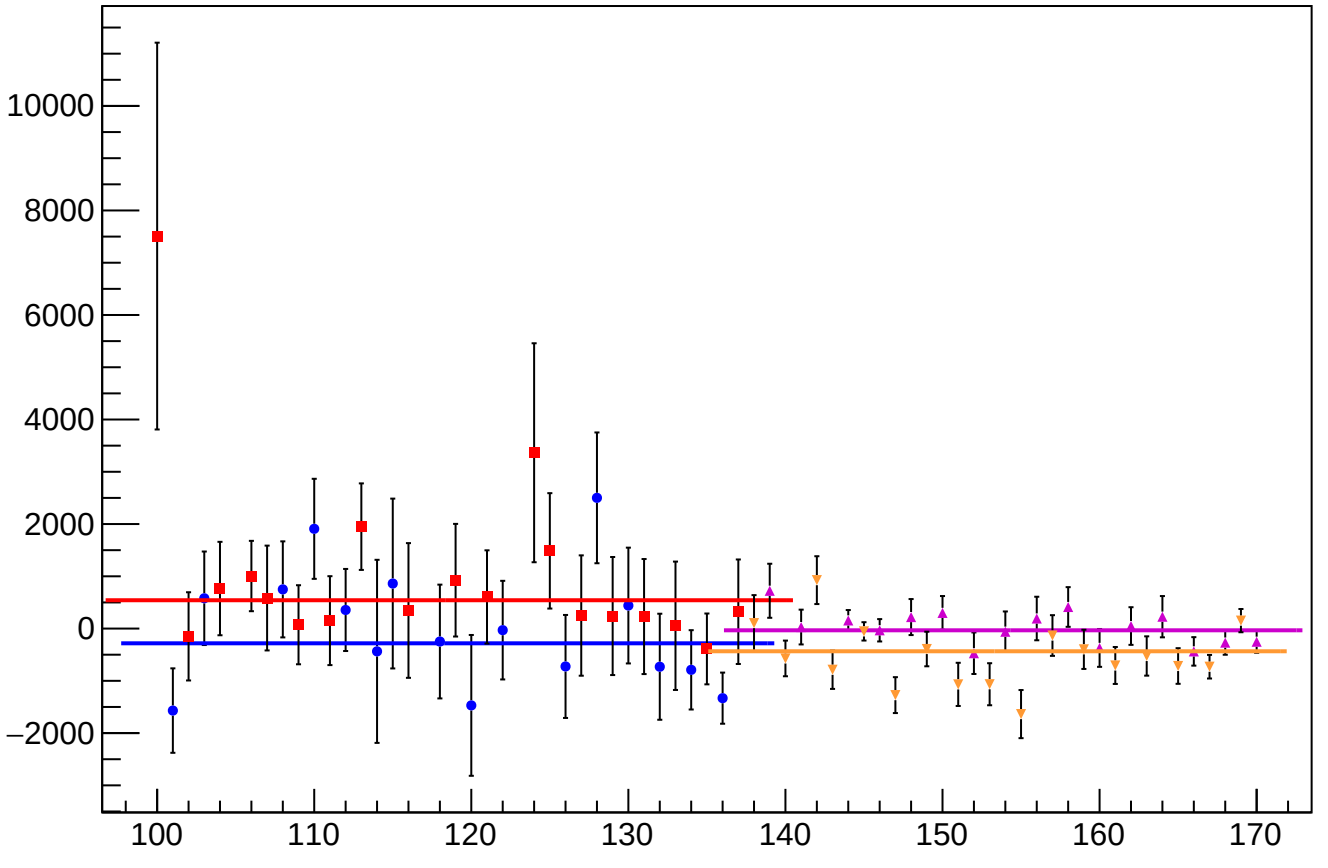
Left: 54.696+/-0.008 χ^2/NDF: 1296279.6/32

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 58.398+/-0.010 χ^2/NDF:2202036.8/31

Out: 59.387+/-0.010 χ^2/NDF:2411047.8/35

All: 58.889+/-0.007 χ^2/NDF: 4618418.9/67



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -434.333+/-77.074 χ^2/NDF:43.9/16

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -33.156+/-74.575 χ^2/NDF:13.2/15

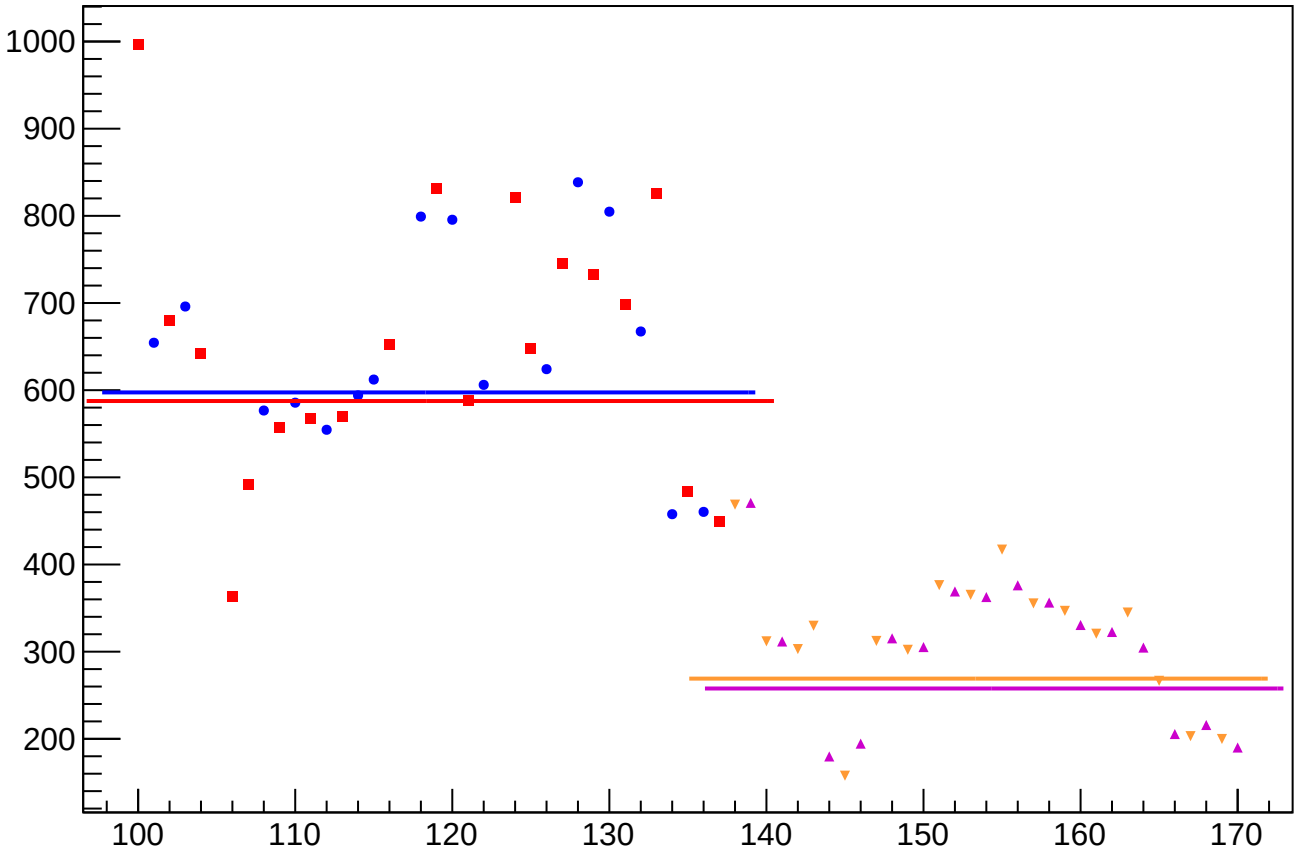
Left: -227.134+/-53.594 χ^2/NDF: 71.1/32

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -57.249+/-70.873 χ^2/NDF:37.1/31

Out: -328.376+/-72.772 χ^2/NDF:74.5/35

All: -189.229+/-50.773 χ^2/NDF: 118.8/67



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 269.089+/-0.054 χ^2/NDF:2360092.2/16

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 257.756+/-0.053 χ^2/NDF:2091642.3/15

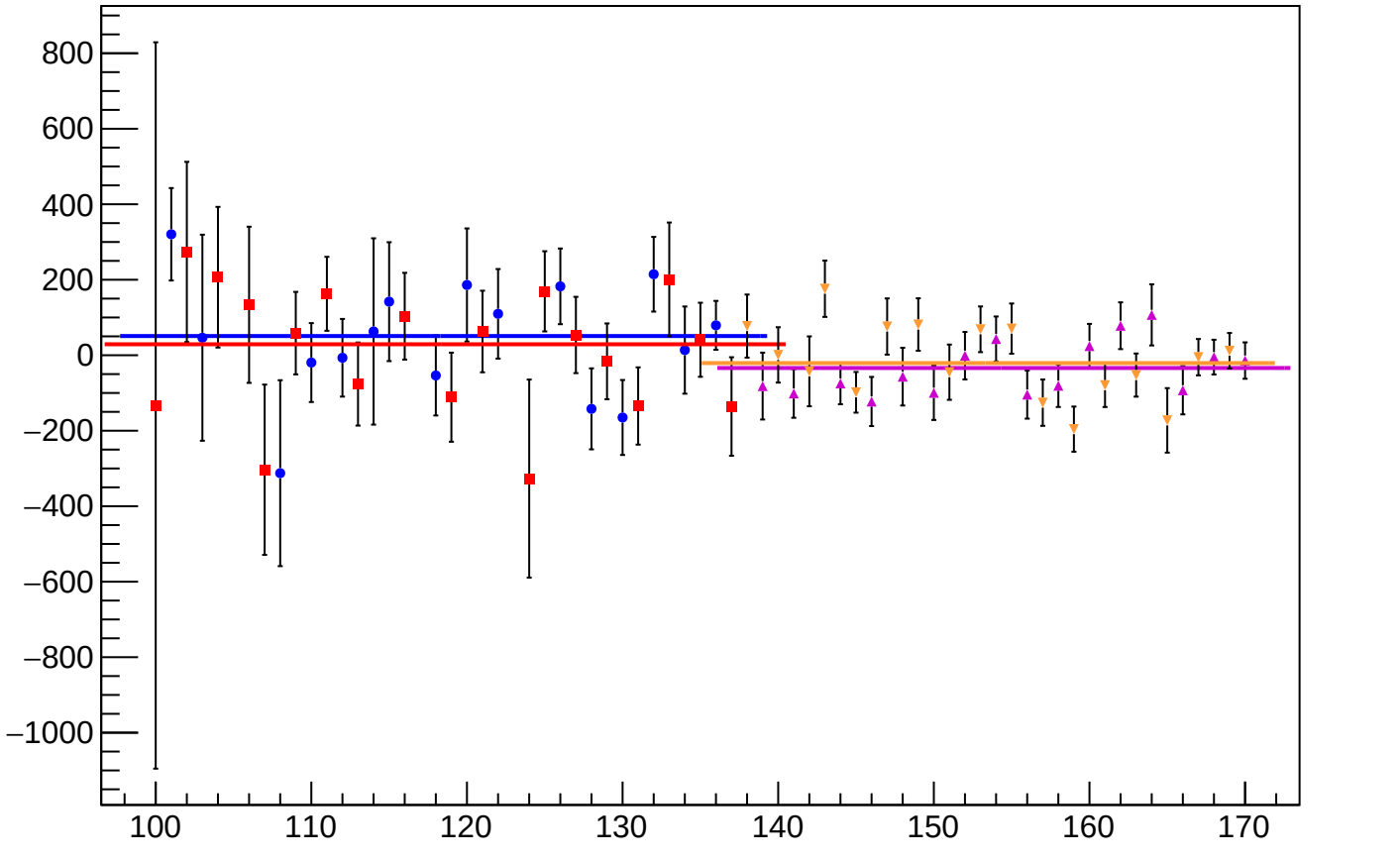
Left: 263.236+/-0.038 χ^2/NDF: 4474069.2/32

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 290.639+/-0.050 χ^2/NDF:6642337.1/31

Out: 303.651+/-0.051 χ^2/NDF:6754966.6/35

All: 296.973+/-0.036 χ^2/NDF: 13430121.1/67



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -20.769+/-15.405 χ^2/NDF:35.1/16

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -33.857+/-15.352 χ^2/NDF:17.2/15

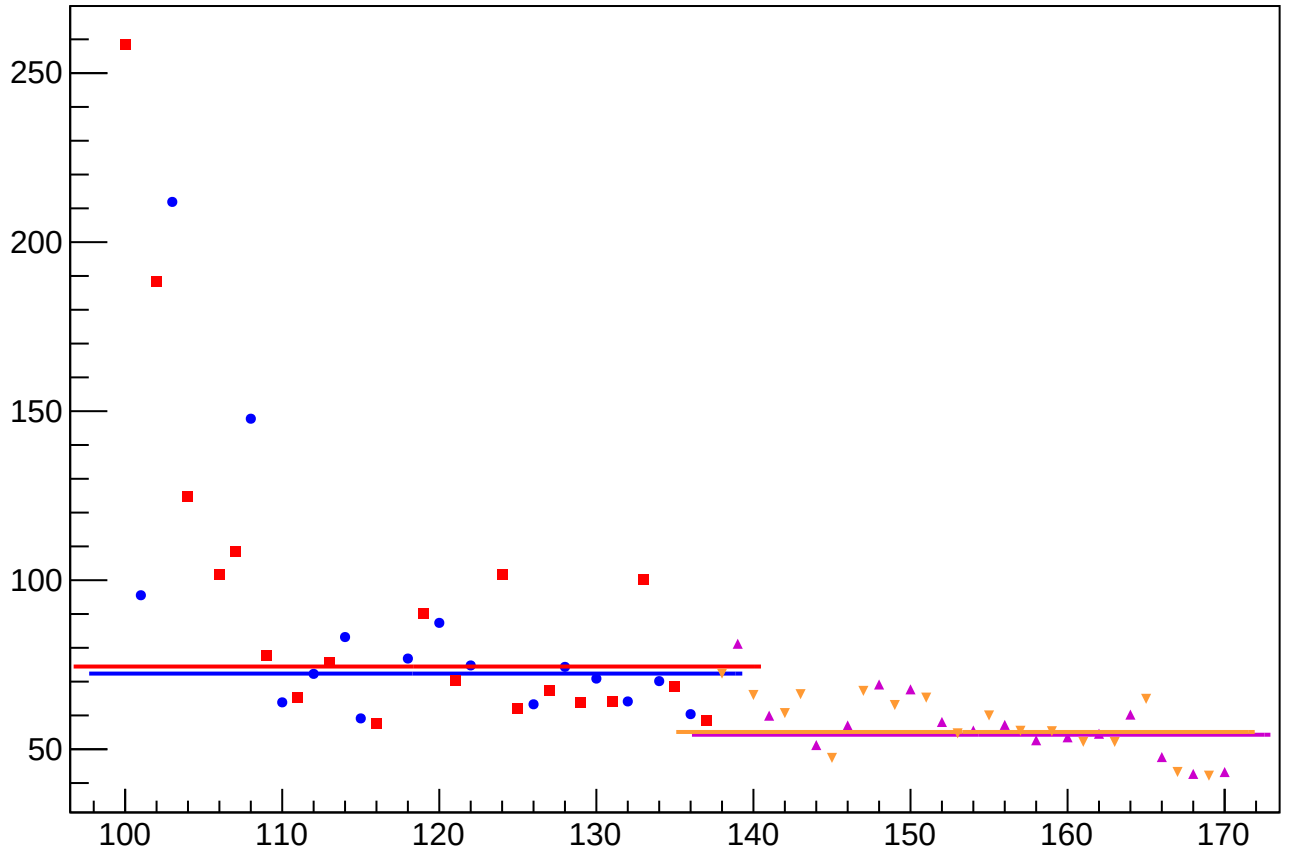
Left: -27.336+/-10.874 χ^2/NDF: 52.7/32

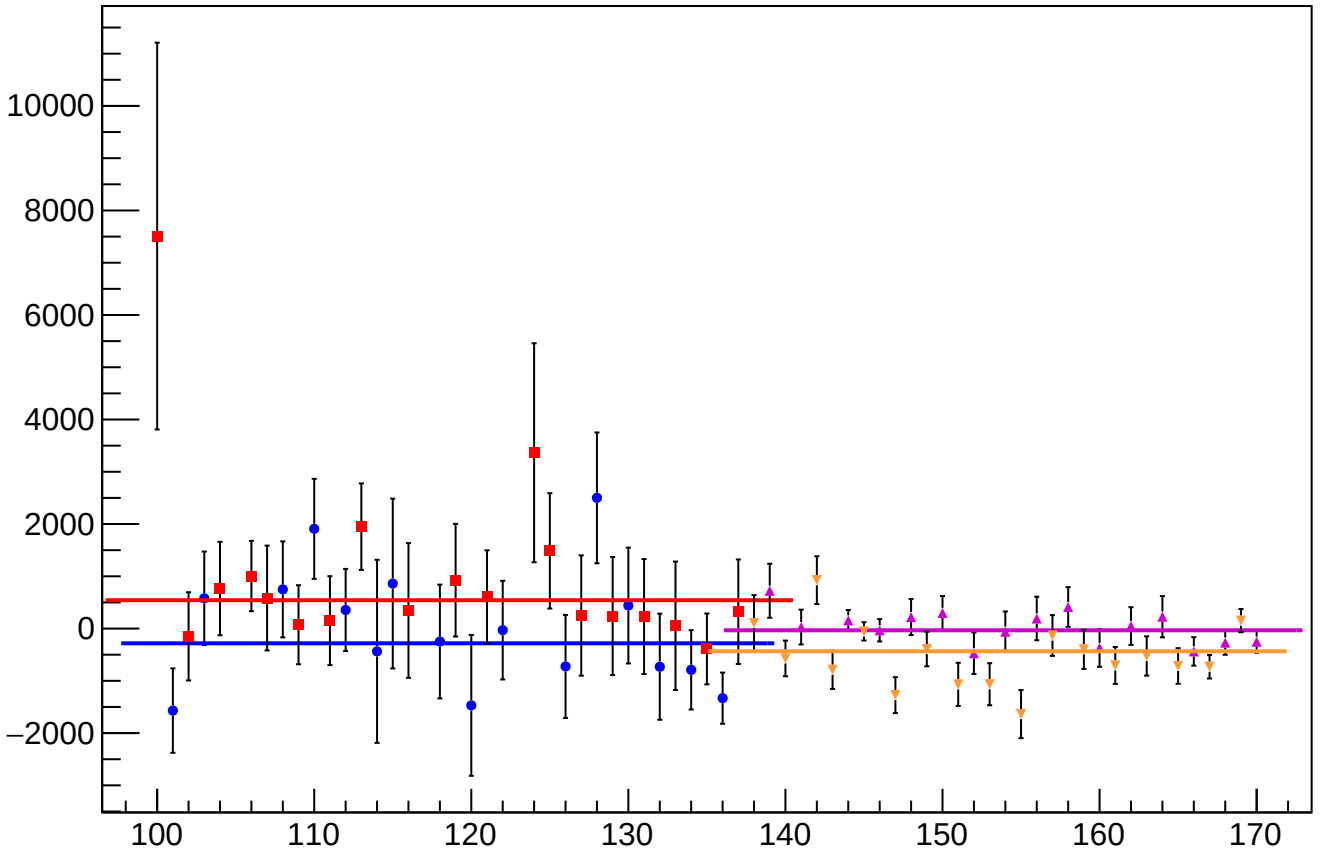
Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -14.617+/-13.496 χ^2/NDF:47.0/31

Out: -9.755+/-13.595 χ^2/NDF:56.0/35

All: -12.204+/-9.578 χ^2/NDF: 103.0/67


eigen_dit_asym_sam_37_dd_rms vs Slug, Sign Corrected
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 72.378+/-0.020 χ²/NDF: 938180.0/15
Left Out: 55.106+/-0.011 χ²/NDF:660408.1/16
Right Out: 74.463+/-0.020 χ²/NDF: 1052290.0/18
Left In: 54.289+/-0.011 χ²/NDF:633076.0/15
Left: 54.696+/-0.008 χ²/NDF: 1296312.0/32
Right: 73.399+/-0.014 χ²/NDF: 1995782.9/34
In: 58.398+/-0.010 χ²/NDF:2202037.0/31
Out: 59.387+/-0.010 χ²/NDF:2411049.9/35
All: 58.889+/-0.007 χ²/NDF: 4618421.6/67



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -434.333+/-77.074 χ^2/NDF:43.9/16

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -33.156+/-74.575 χ^2/NDF:13.2/15

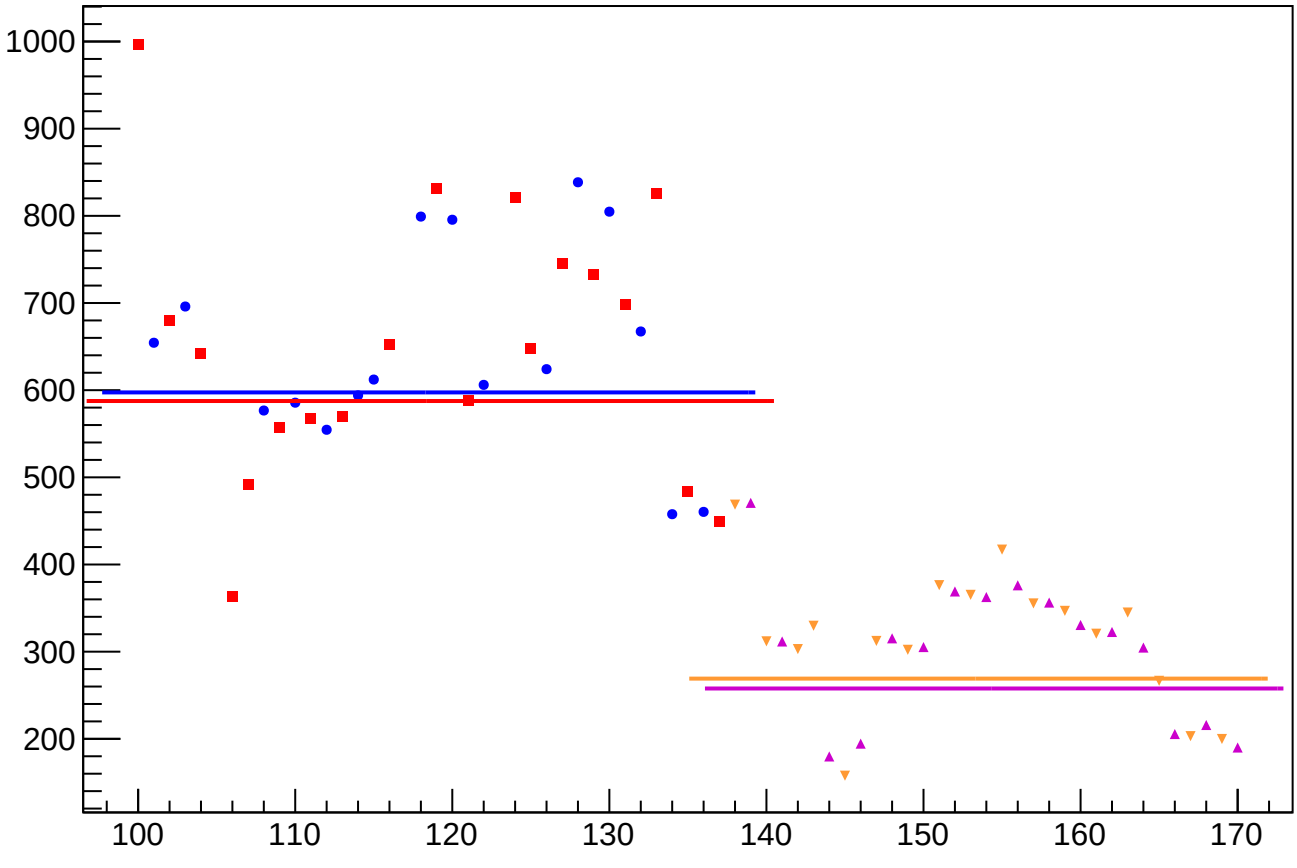
Left: -227.134+/-53.594 χ^2/NDF: 71.1/32

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -57.249+/-70.873 χ^2/NDF:37.1/31

Out: -328.376+/-72.772 χ^2/NDF:74.5/35

All: -189.229+/-50.773 χ^2/NDF: 118.8/67



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 269.089+/-0.054 χ^2/NDF:2360079.3/16

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 257.755+/-0.053 χ^2/NDF:2091632.6/15

Left: 263.235+/-0.038 χ^2/NDF: 4474046.8/32

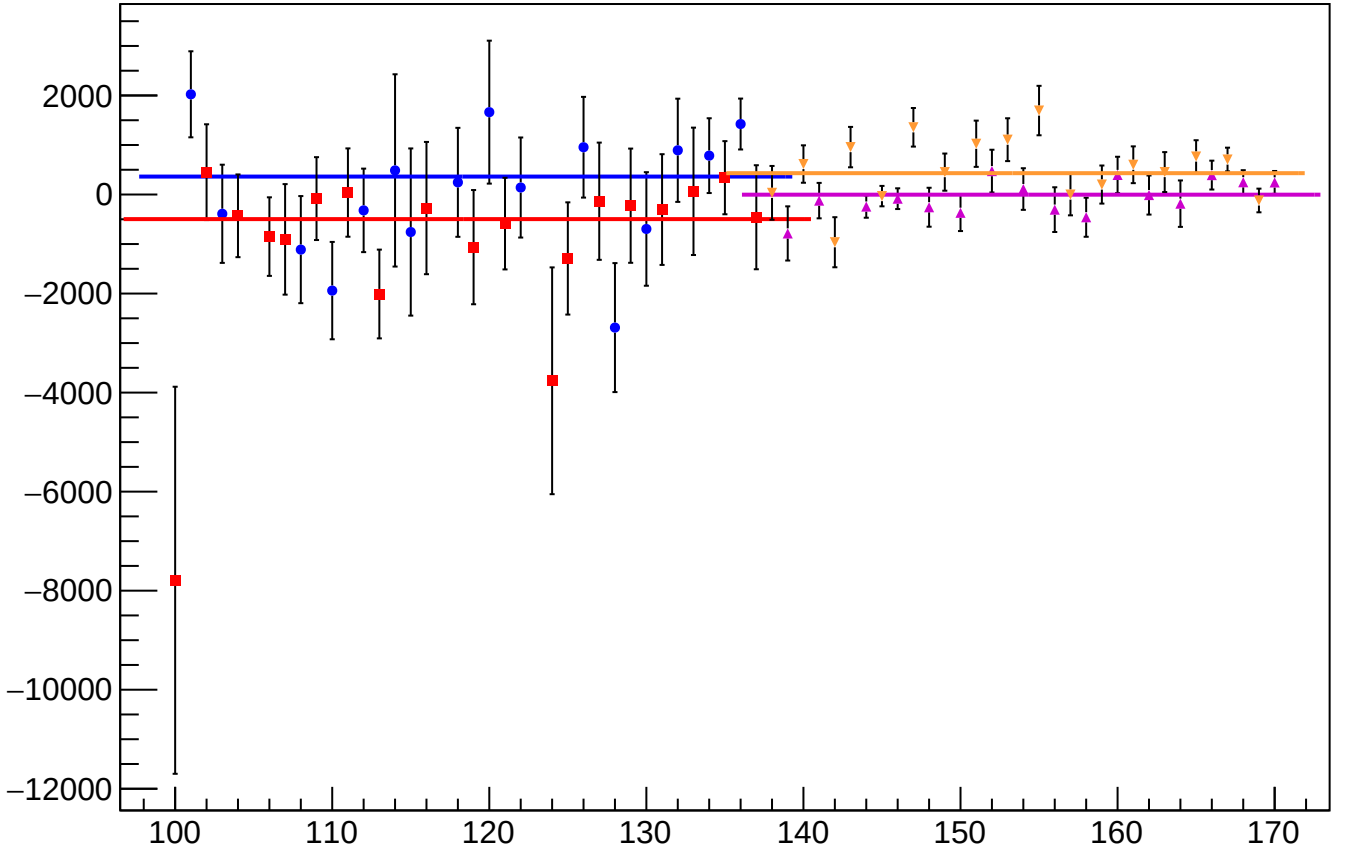
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 290.638+/-0.050 χ^2/NDF:6642334.0/31

Out: 303.651+/-0.051 χ^2/NDF:6754951.4/35

All: 296.973+/-0.036 χ^2/NDF: 13430103.1/67

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 431.098+/-84.069 χ^2/NDF:40.5/16

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -3.305+/-80.202 χ^2/NDF:13.3/15

Left: 203.679+/-58.030 χ^2/NDF: 67.8/32

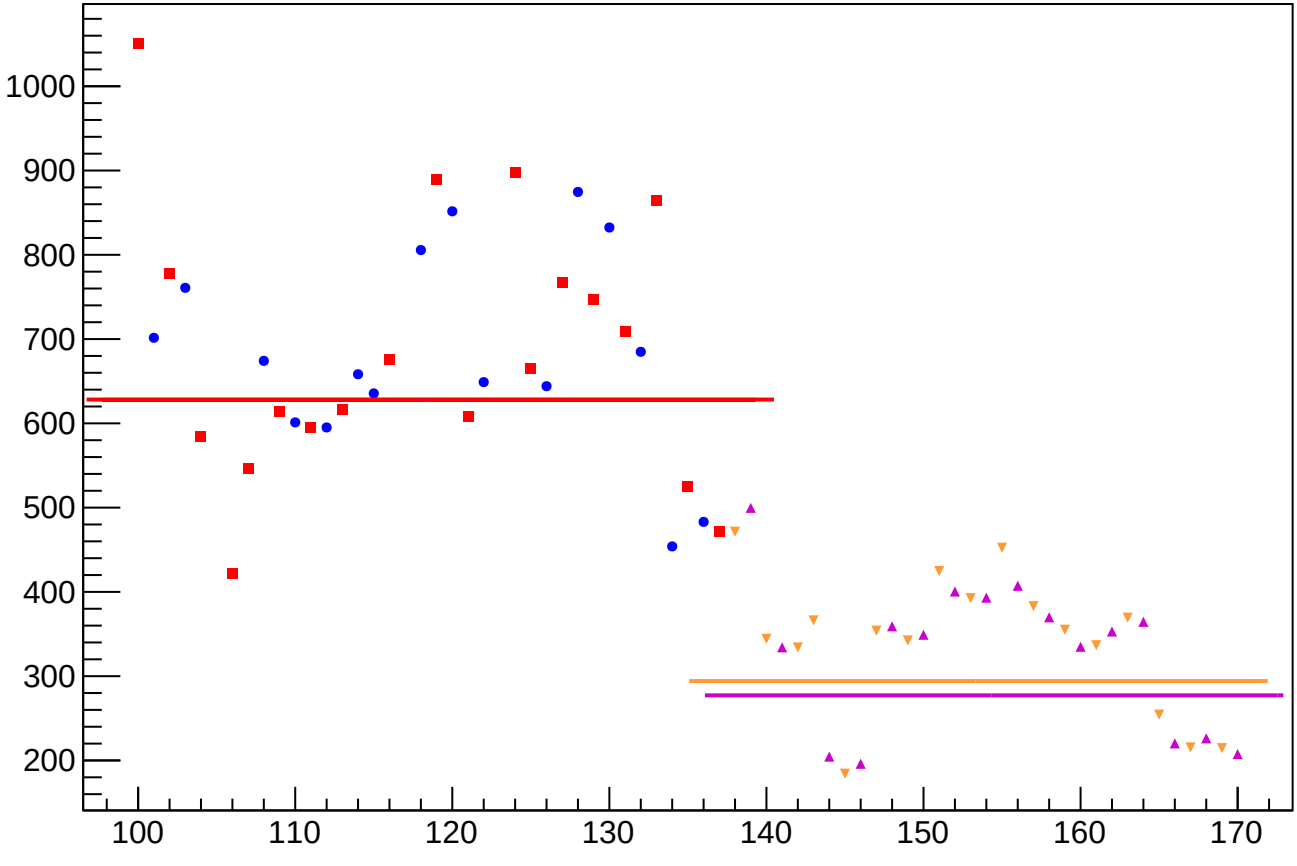
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 33.348+/-76.077 χ^2/NDF:40.4/31

Out: 326.653+/-79.195 χ^2/NDF:66.9/35

All: 174.113+/-54.864 χ^2/NDF: 114.5/67

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 294.194+/-0.059 χ^2/NDF:2135071.0/16

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 277.246+/-0.057 χ^2/NDF:2181294.9/15

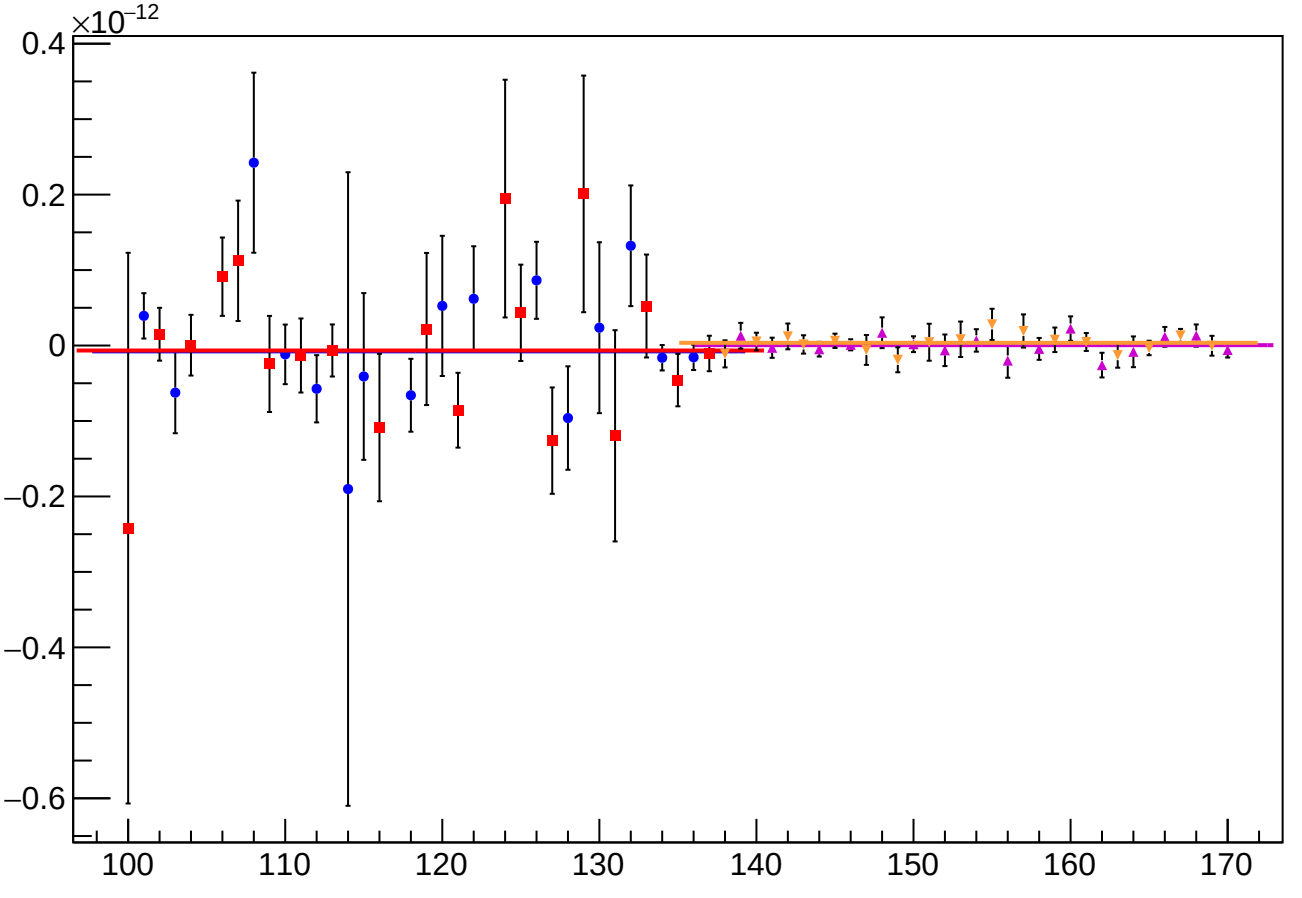
Left: 285.321+/-0.041 χ^2/NDF: 4358919.6/32

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 312.390+/-0.054 χ^2/NDF:6579801.1/31

Out: 331.802+/-0.056 χ^2/NDF:6261283.3/35

All: 321.707+/-0.039 χ^2/NDF: 12903575.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/15

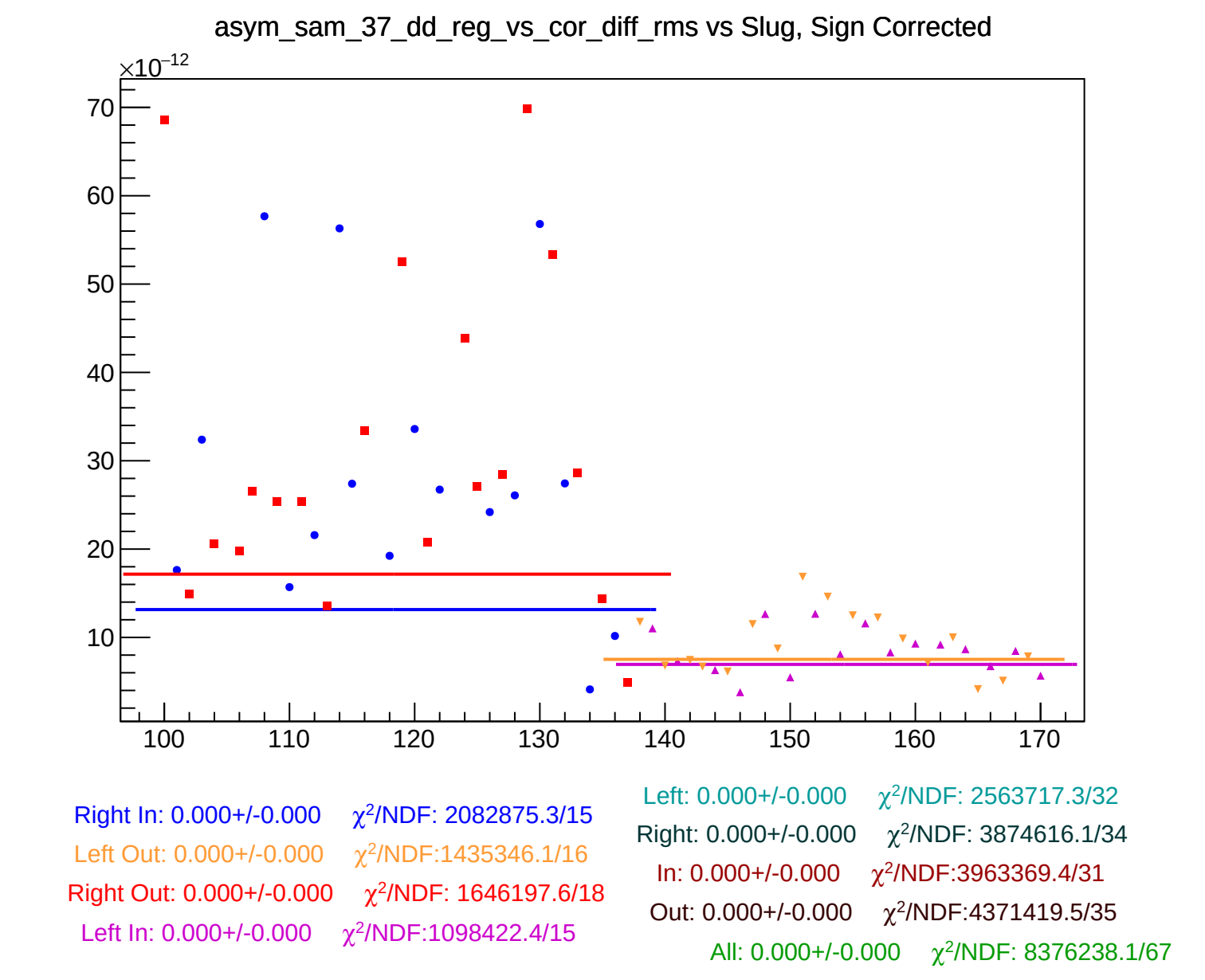
Left: 0.000+/-0.000 χ^2/NDF: 17.7/32

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:28.6/35

All: 0.000+/-0.000 χ^2/NDF: 60.1/67


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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50
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20
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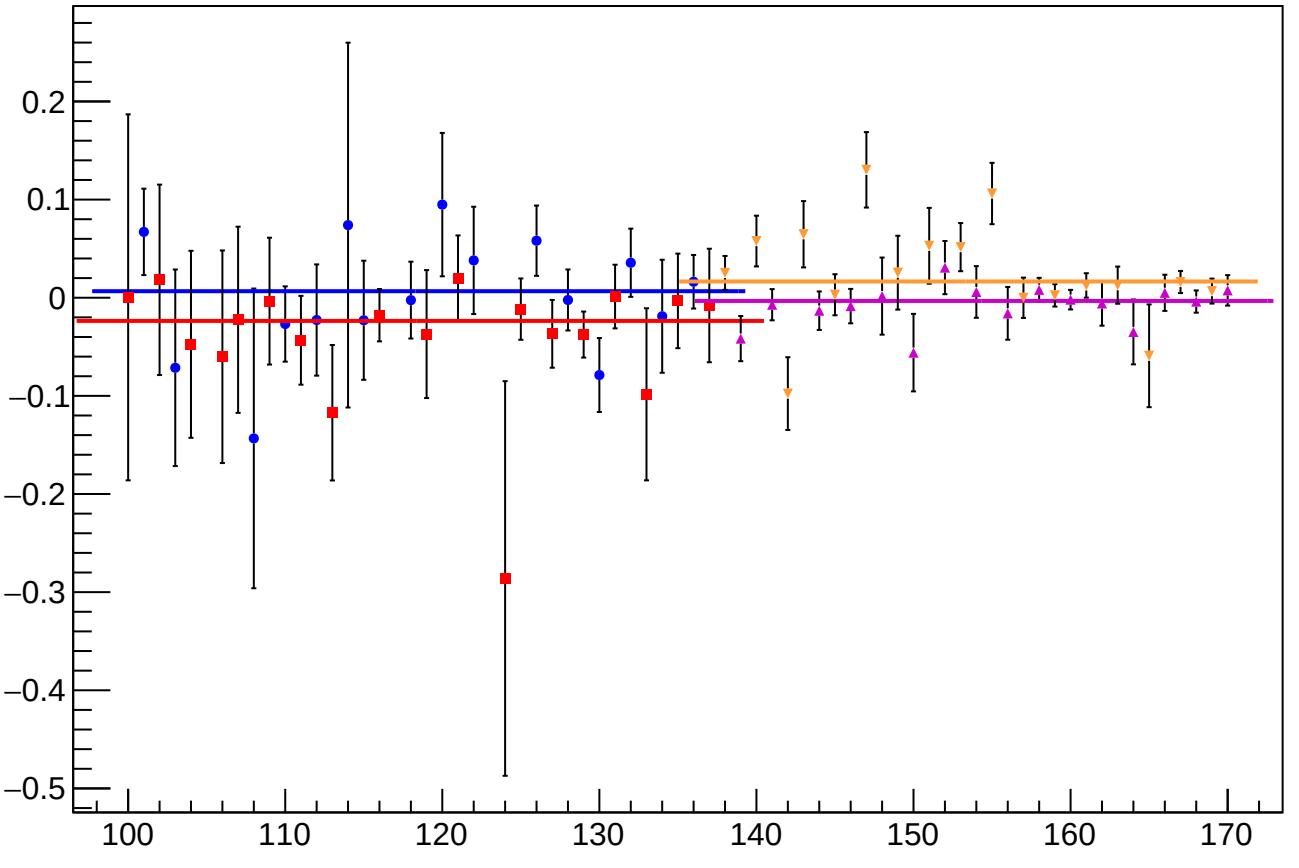
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1435346.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1098422.4/15
Left: 0.000+/-0.000 χ²/NDF: 2563717.3/32
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3963369.4/31
Out: 0.000+/-0.000 χ²/NDF:4371419.5/35
All: 0.000+/-0.000 χ²/NDF: 8376238.1/67



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.017+/-0.005 χ^2/NDF:39.7/16

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.003+/-0.004 χ^2/NDF:9.4/15

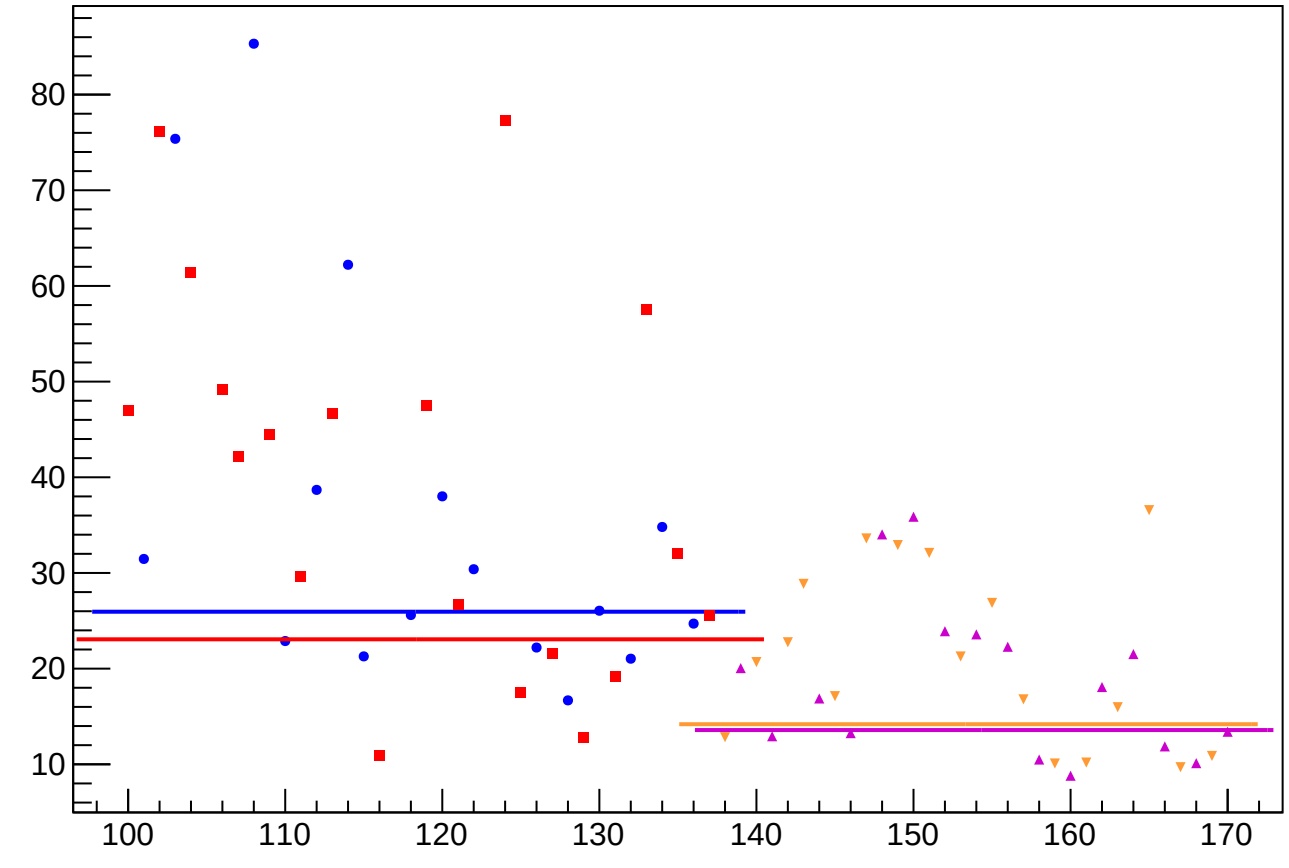
Left: 0.006+/-0.003 χ^2/NDF: 58.8/32

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.010+/-0.004 χ^2/NDF:59.5/35

All: 0.004+/-0.003 χ^2/NDF: 88.8/67



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 14.191+/-0.003 χ^2/NDF:3928495.7/16

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.581+/-0.003 χ^2/NDF:3171505.9/15

Left: 13.872+/-0.002 χ^2/NDF: 7118361.8/32

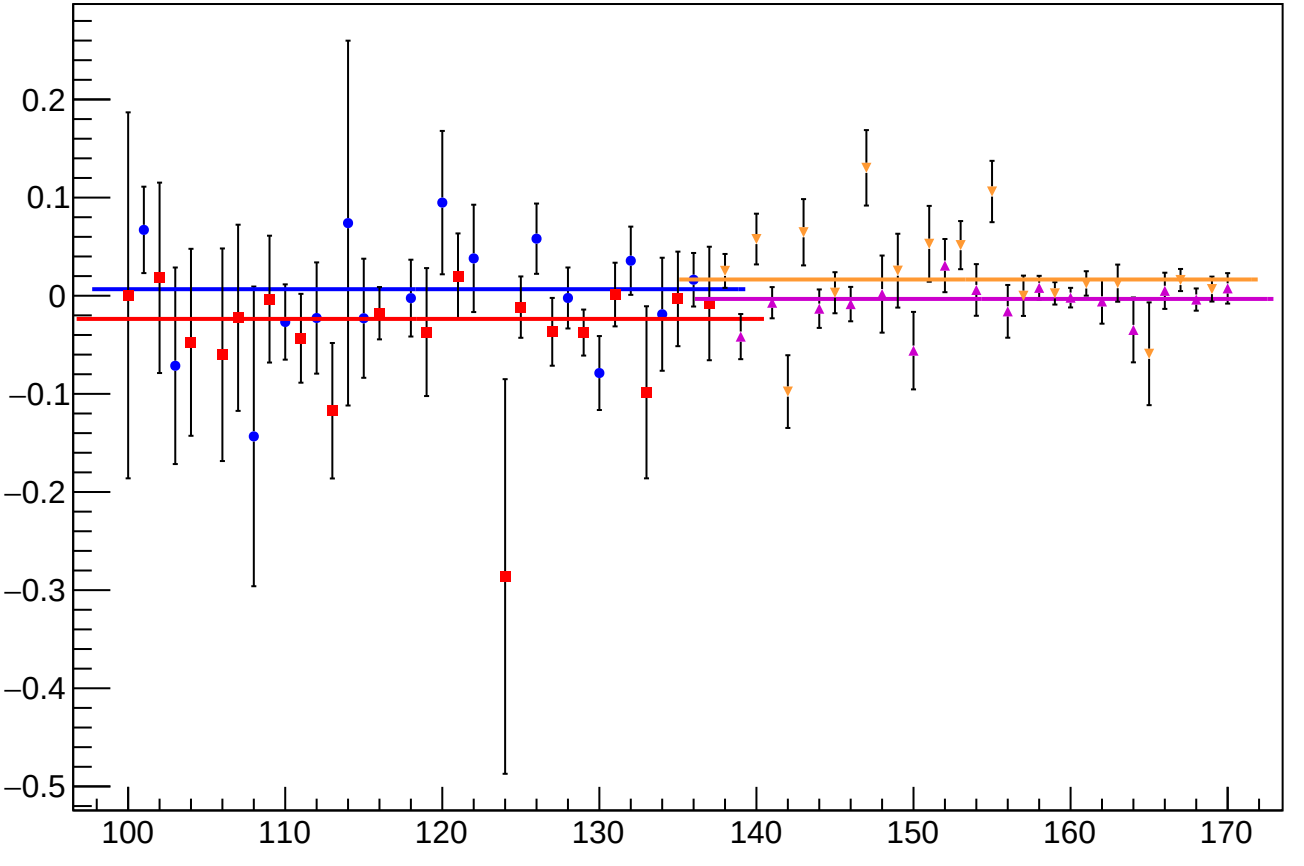
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.260+/-0.003 χ^2/NDF:6699350.8/31

Out: 15.620+/-0.003 χ^2/NDF:8487440.4/35

All: 15.435+/-0.002 χ^2/NDF: 15194331.9/67

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.017+/-0.005 χ^2/NDF:39.7/16

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.003+/-0.004 χ^2/NDF:9.4/15

Left: 0.006+/-0.003 χ^2/NDF: 58.8/32

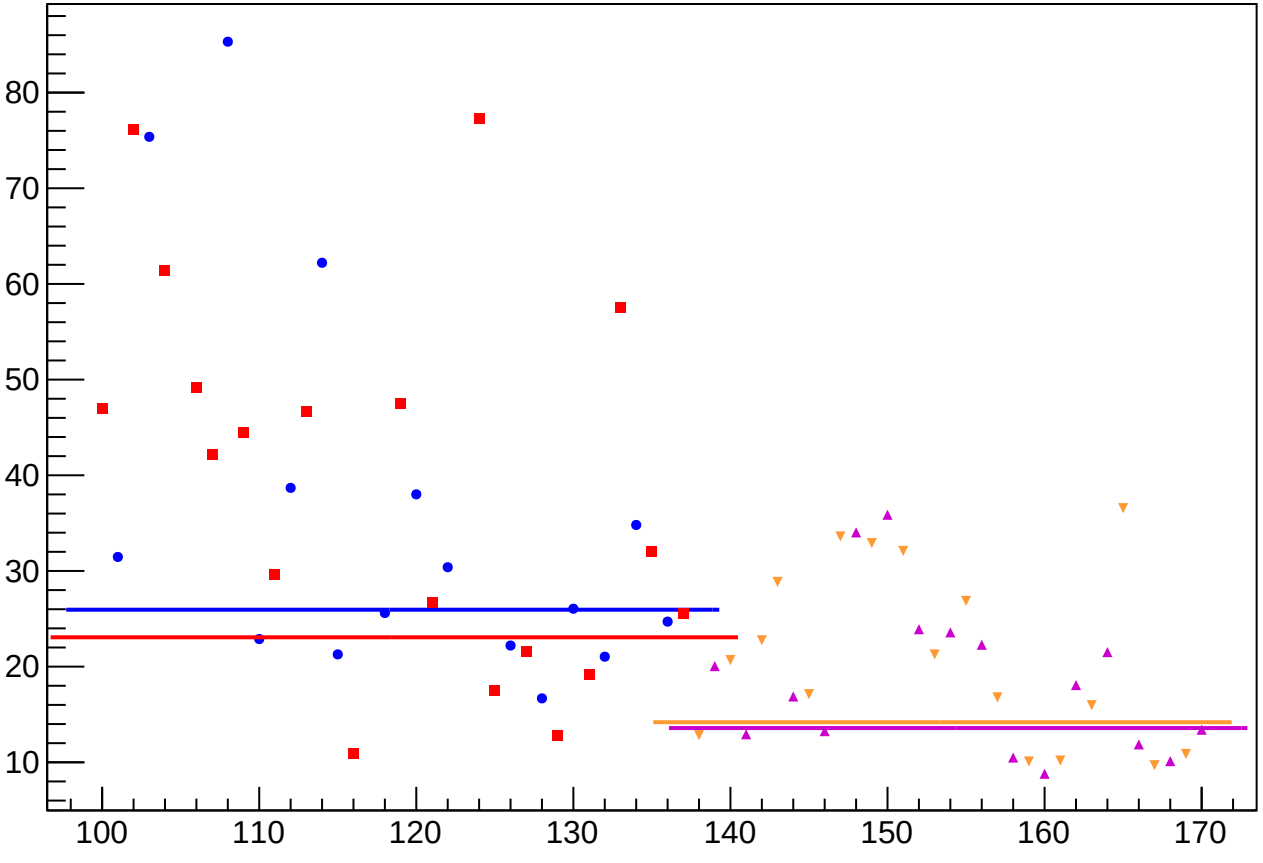
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.010+/-0.004 χ^2/NDF:59.5/35

All: 0.004+/-0.003 χ^2/NDF: 88.8/67

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 14.191+/-0.003 χ^2/NDF:3928495.7/16

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.581+/-0.003 χ^2/NDF:3171505.9/15

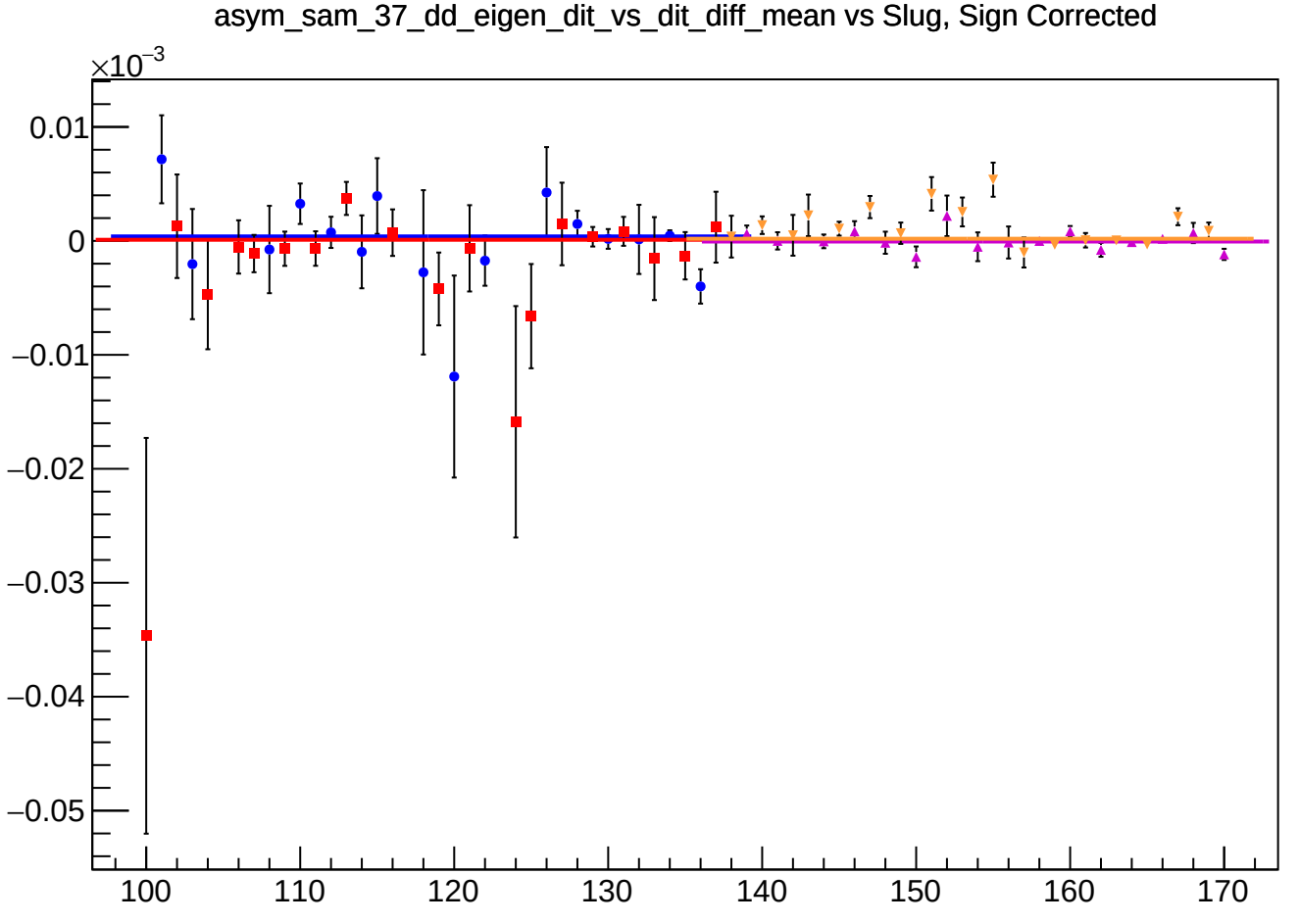
Left: 13.872+/-0.002 χ^2/NDF: 7118361.8/32

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.260+/-0.003 χ^2/NDF:6699350.8/31

Out: 15.620+/-0.003 χ^2/NDF:8487440.4/35

All: 15.435+/-0.002 χ^2/NDF: 15194331.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/15

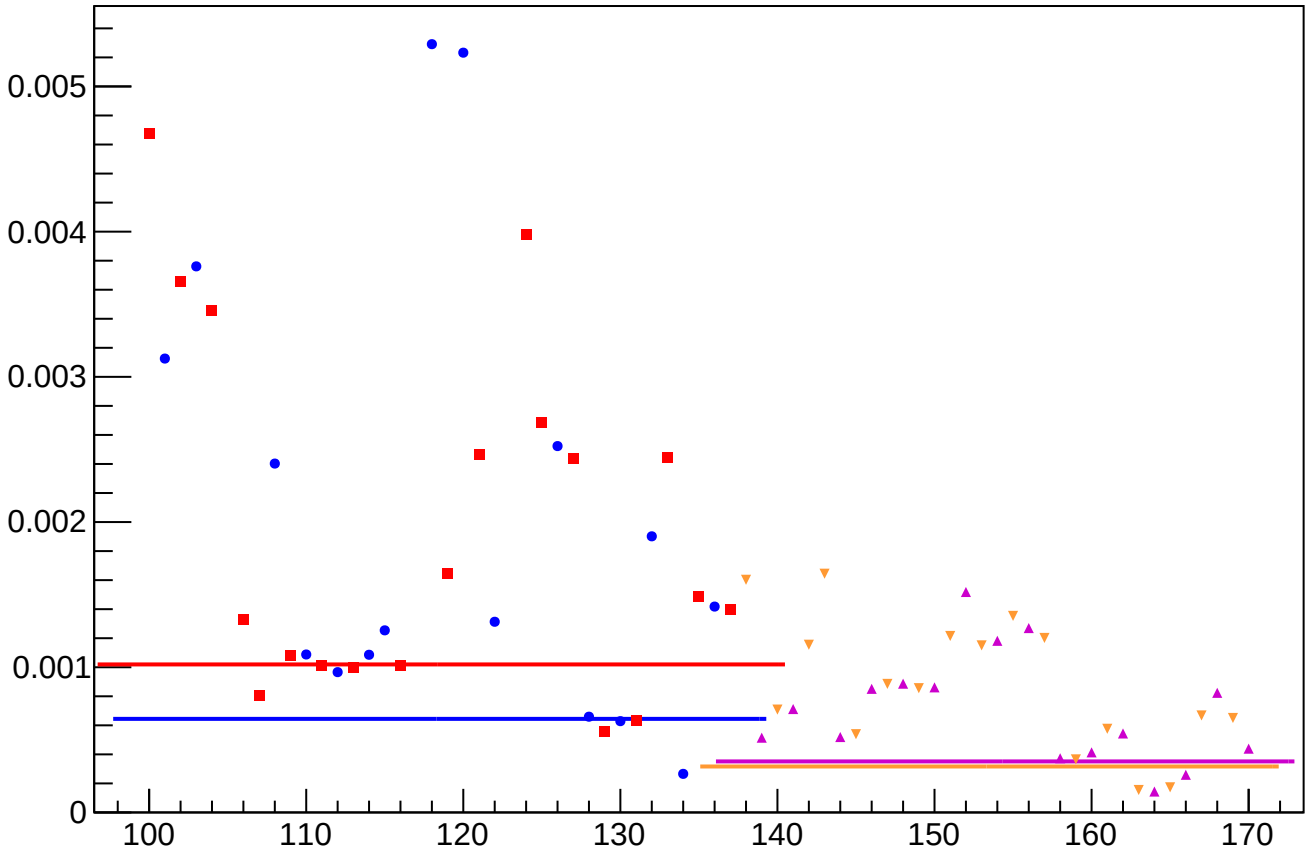
Left: 0.000+/-0.000 χ^2/NDF: 72.4/32

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:39.9/31

Out: 0.000+/-0.000 χ^2/NDF:73.4/35

All: 0.000+/-0.000 χ^2/NDF: 114.6/67



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11675856.2/16

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8585767.7/15

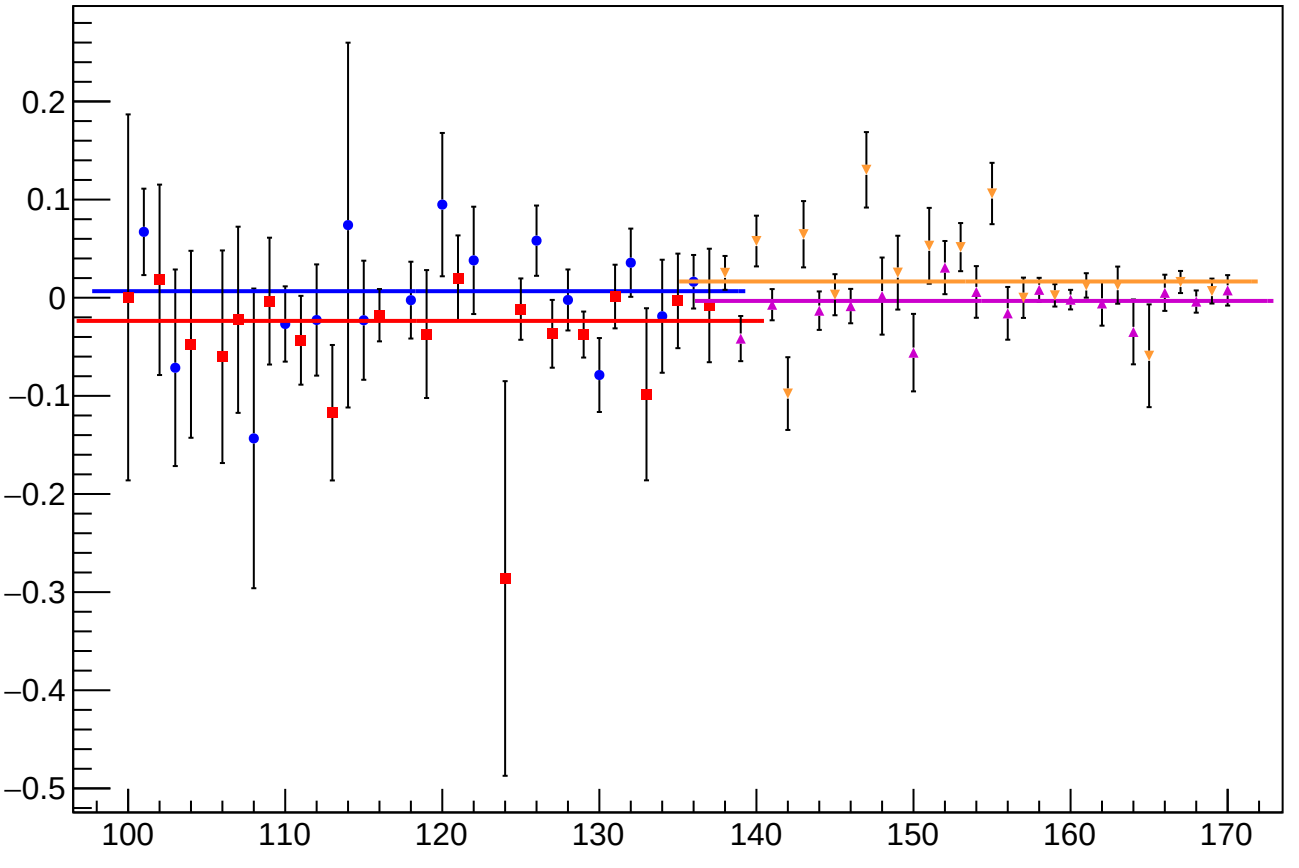
Left: 0.000+/-0.000 χ^2/NDF: 20344733.4/32

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:16470982.1/31

Out: 0.000+/-0.000 χ^2/NDF:19901223.2/35

All: 0.000+/-0.000 χ^2/NDF: 36415989.3/67



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.017+/-0.005 χ^2/NDF:39.7/16

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.003+/-0.004 χ^2/NDF:9.4/15

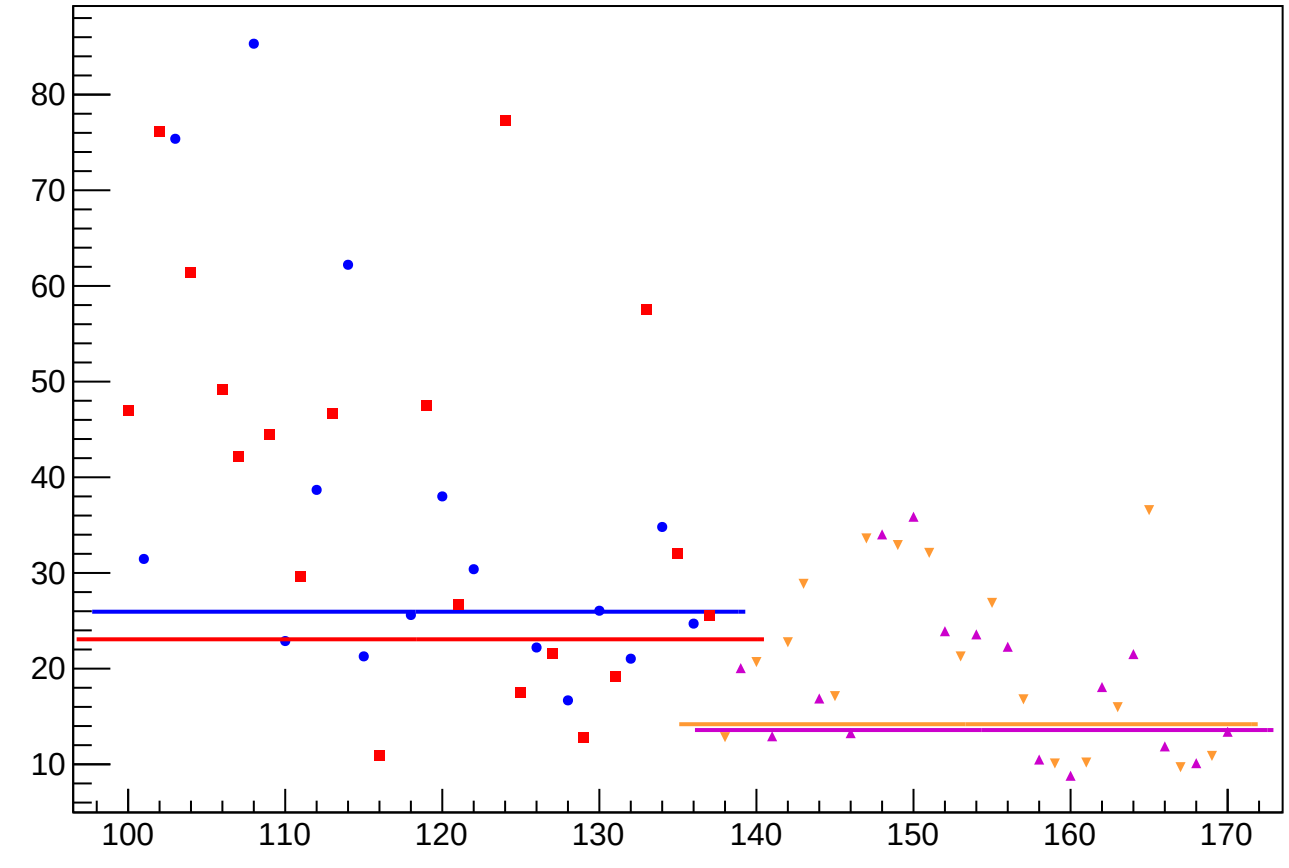
Left: 0.006+/-0.003 χ^2/NDF: 58.8/32

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.010+/-0.004 χ^2/NDF:59.5/35

All: 0.004+/-0.003 χ^2/NDF: 88.8/67



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.191+/-0.003 χ^2/NDF:3928709.8/16

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.581+/-0.003 χ^2/NDF:3171658.2/15

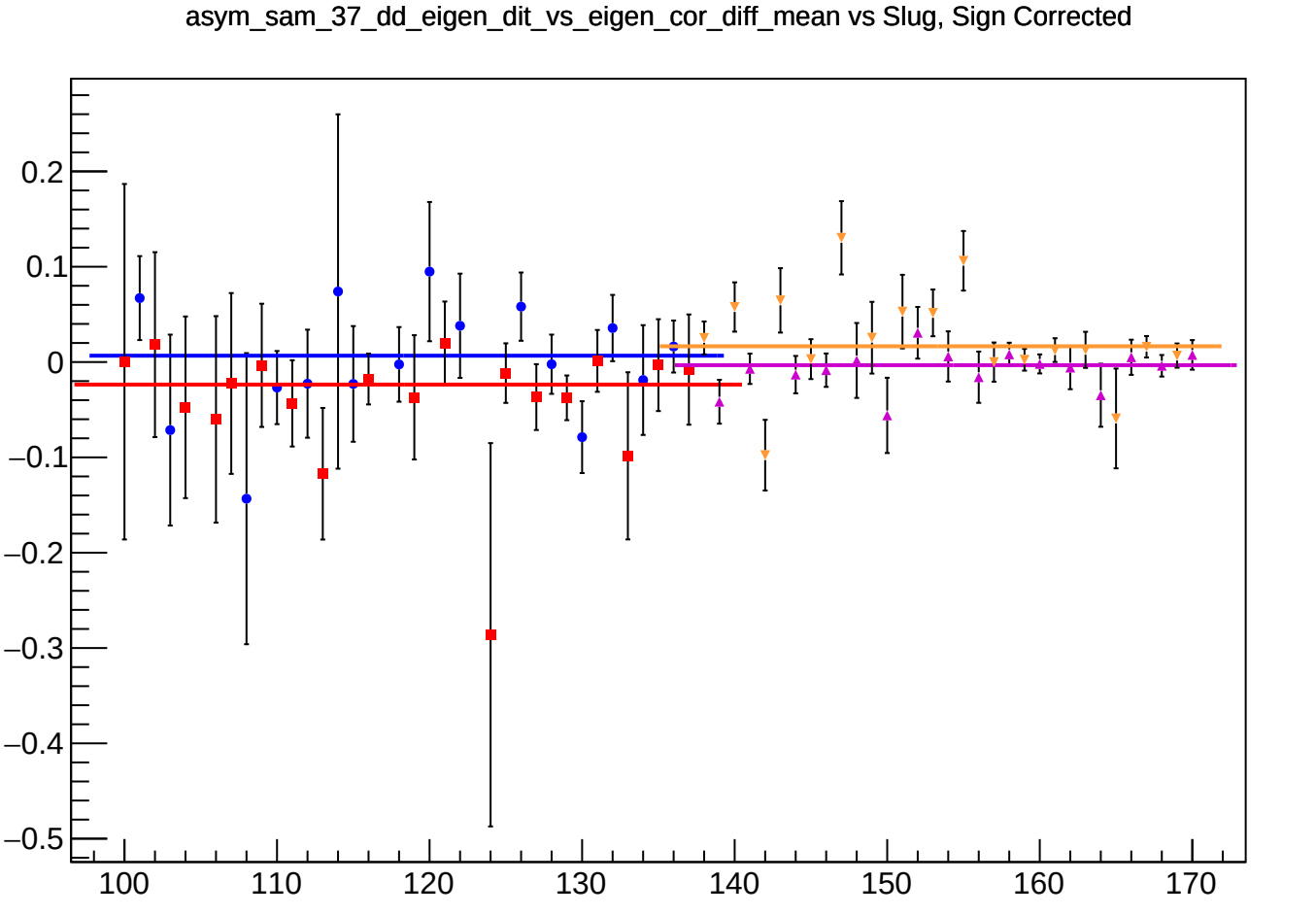
Left: 13.872+/-0.002 χ^2/NDF: 7118731.8/32

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.260+/-0.003 χ^2/NDF:6699520.0/31

Out: 15.621+/-0.003 χ^2/NDF:8487555.1/35

All: 15.435+/-0.002 χ^2/NDF: 15194619.3/67


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
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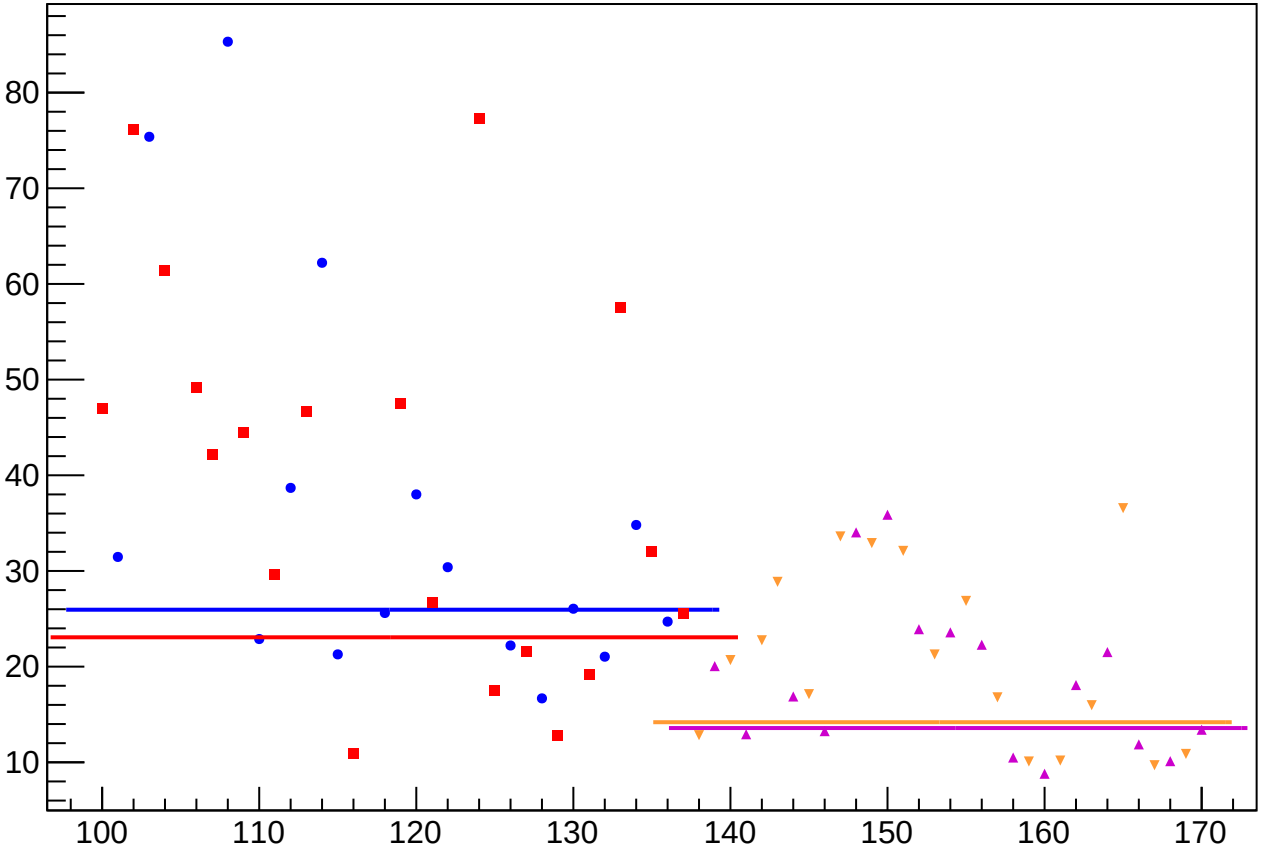
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.017+/-0.005 χ²/NDF:39.7/16
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.003+/-0.004 χ²/NDF:9.4/15
Left: 0.006+/-0.003 χ²/NDF: 58.8/32
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.002+/-0.004 χ²/NDF:25.1/31
Out: 0.010+/-0.004 χ²/NDF:59.5/35
All: 0.004+/-0.003 χ²/NDF: 88.8/67

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 14.191+/-0.003 χ^2/NDF:3928709.8/16

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.581+/-0.003 χ^2/NDF:3171658.2/15

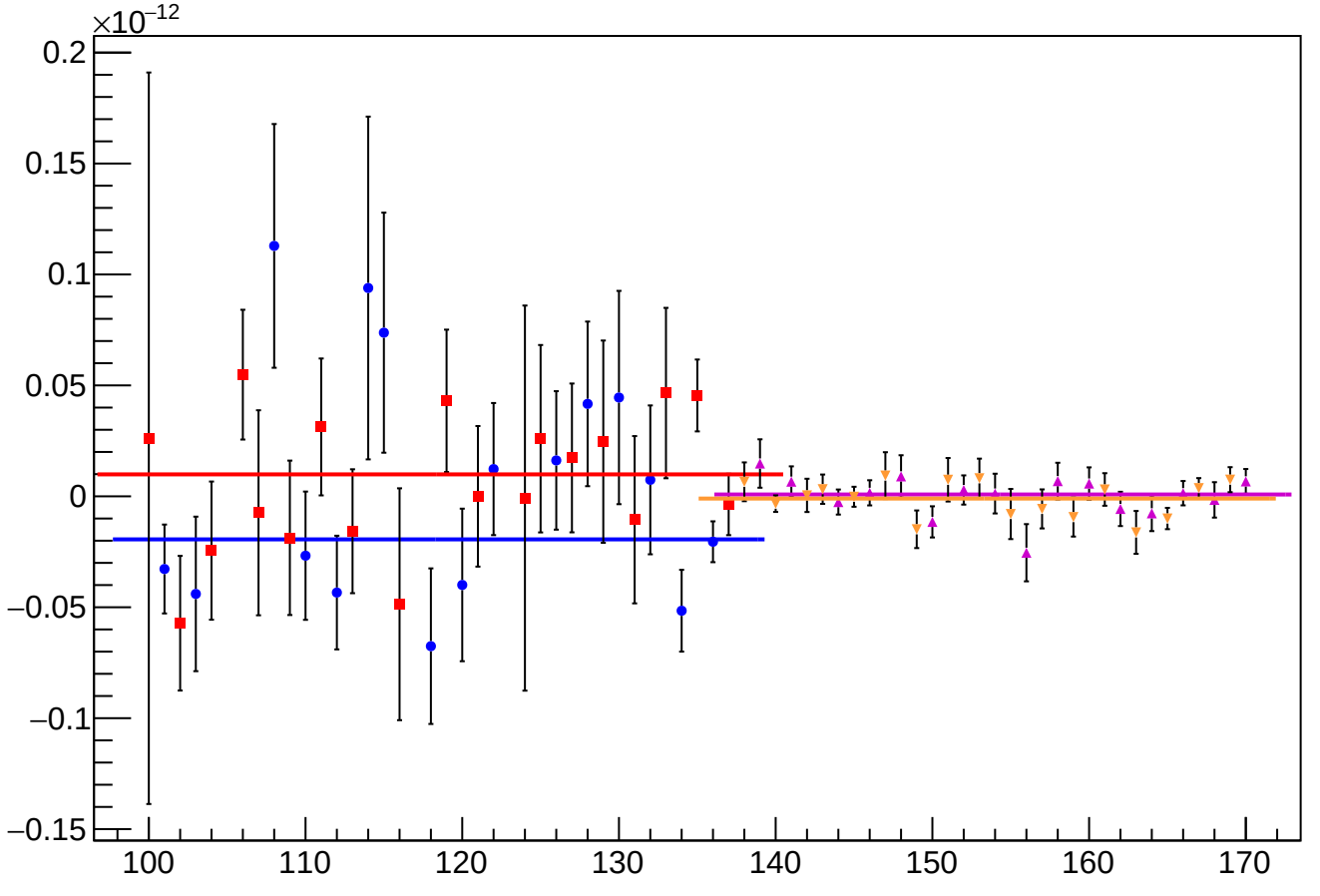
Left: 13.872+/-0.002 χ^2/NDF: 7118731.8/32

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.260+/-0.003 χ^2/NDF:6699520.0/31

Out: 15.621+/-0.003 χ^2/NDF:8487555.1/35

All: 15.435+/-0.002 χ^2/NDF: 15194619.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

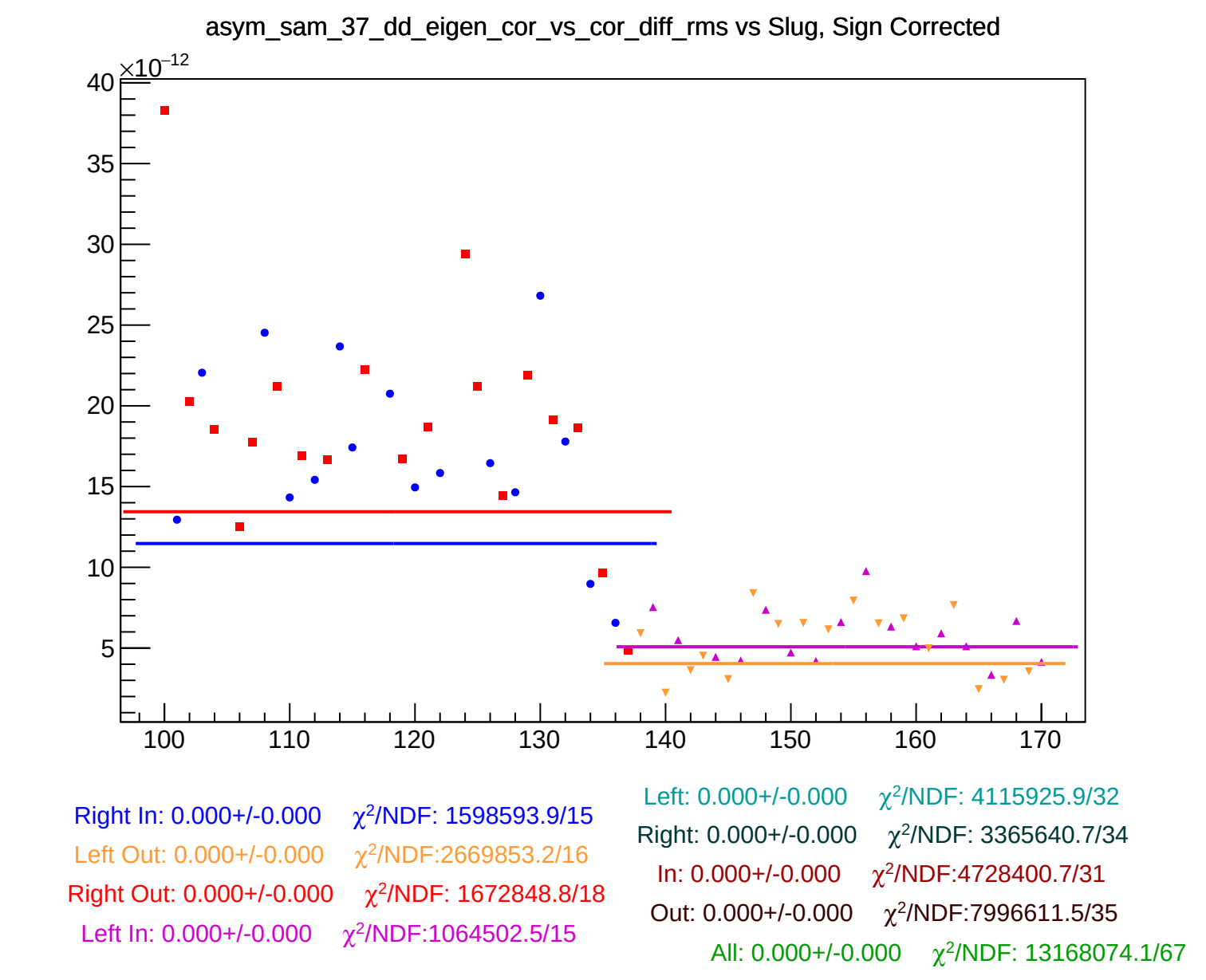
Left: -0.000+/-0.000 χ^2/NDF: 33.7/32

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: -0.000+/-0.000 χ^2/NDF:41.1/35

All: -0.000+/-0.000 χ^2/NDF: 91.9/67


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
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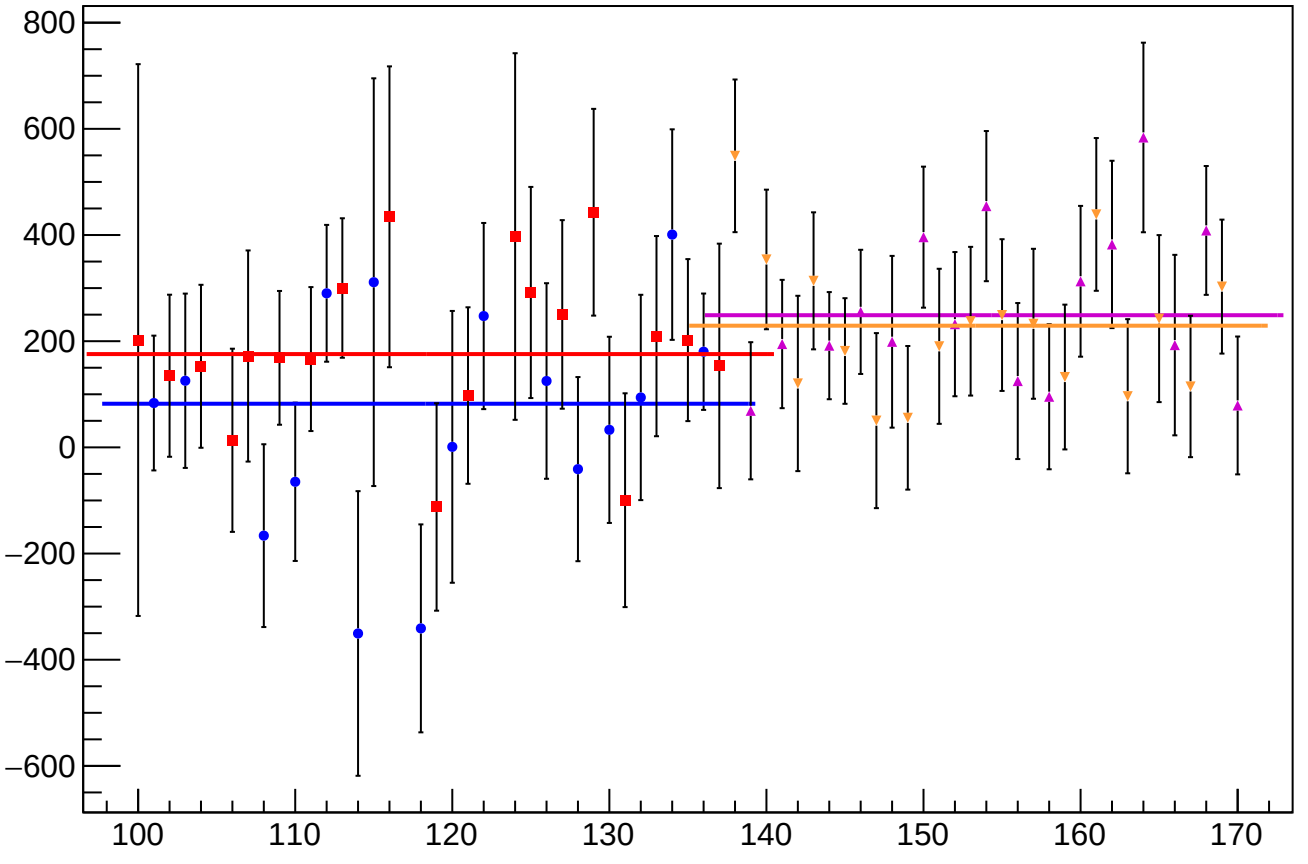
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2669853.2/16
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1064502.5/15
Left: 0.000+/-0.000 χ²/NDF: 4115925.9/32
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4728400.7/31
Out: 0.000+/-0.000 χ²/NDF:7996611.5/35
All: 0.000+/-0.000 χ²/NDF: 13168074.1/67



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 229.201+/-33.304 χ^2/NDF:14.4/16

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 248.939+/-33.678 χ^2/NDF:15.9/15

Left: 238.960+/-23.681 χ^2/NDF: 30.5/32

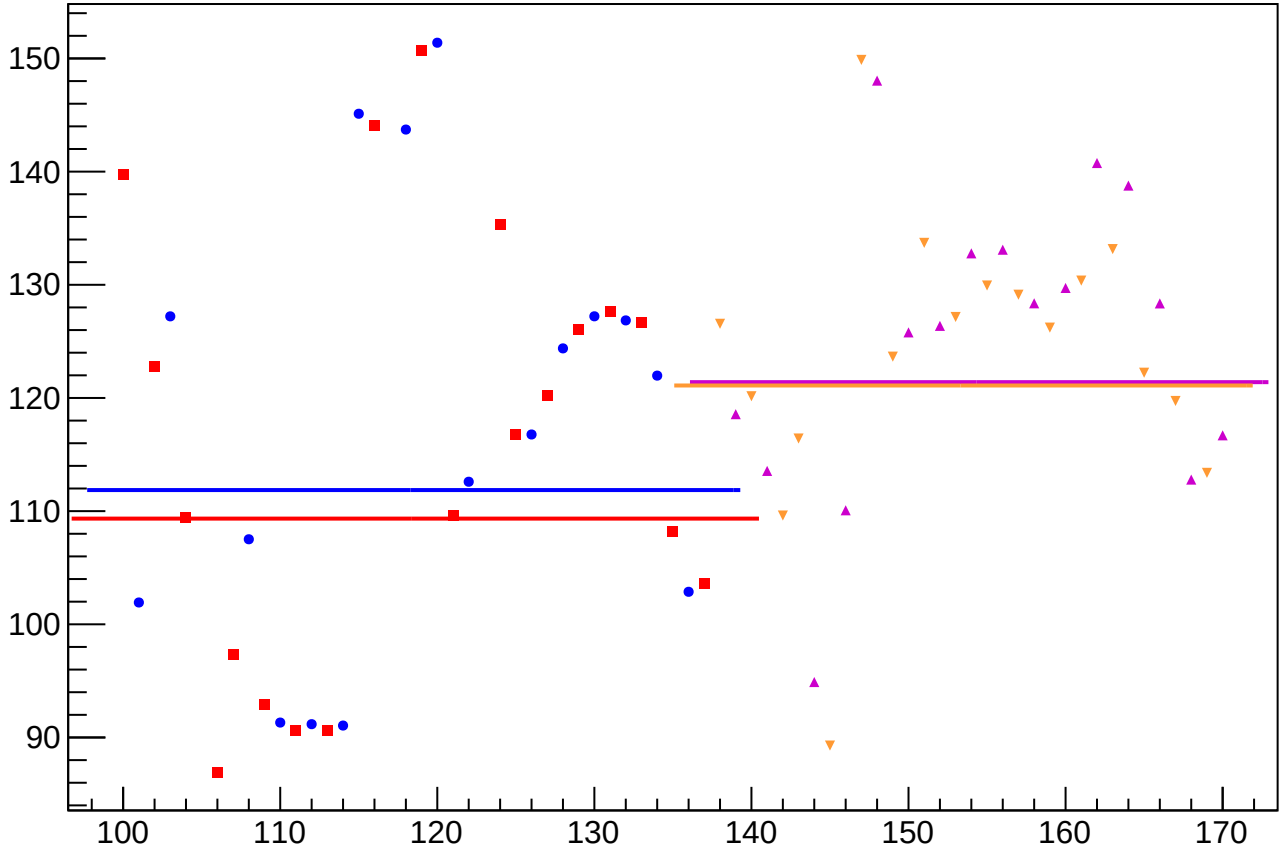
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 183.937+/-26.307 χ^2/NDF:43.8/31

Out: 207.740+/-25.768 χ^2/NDF:25.3/35

All: 196.084+/-18.408 χ^2/NDF: 69.5/67

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.102+/-0.024 χ^2/NDF:346989.8/16

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

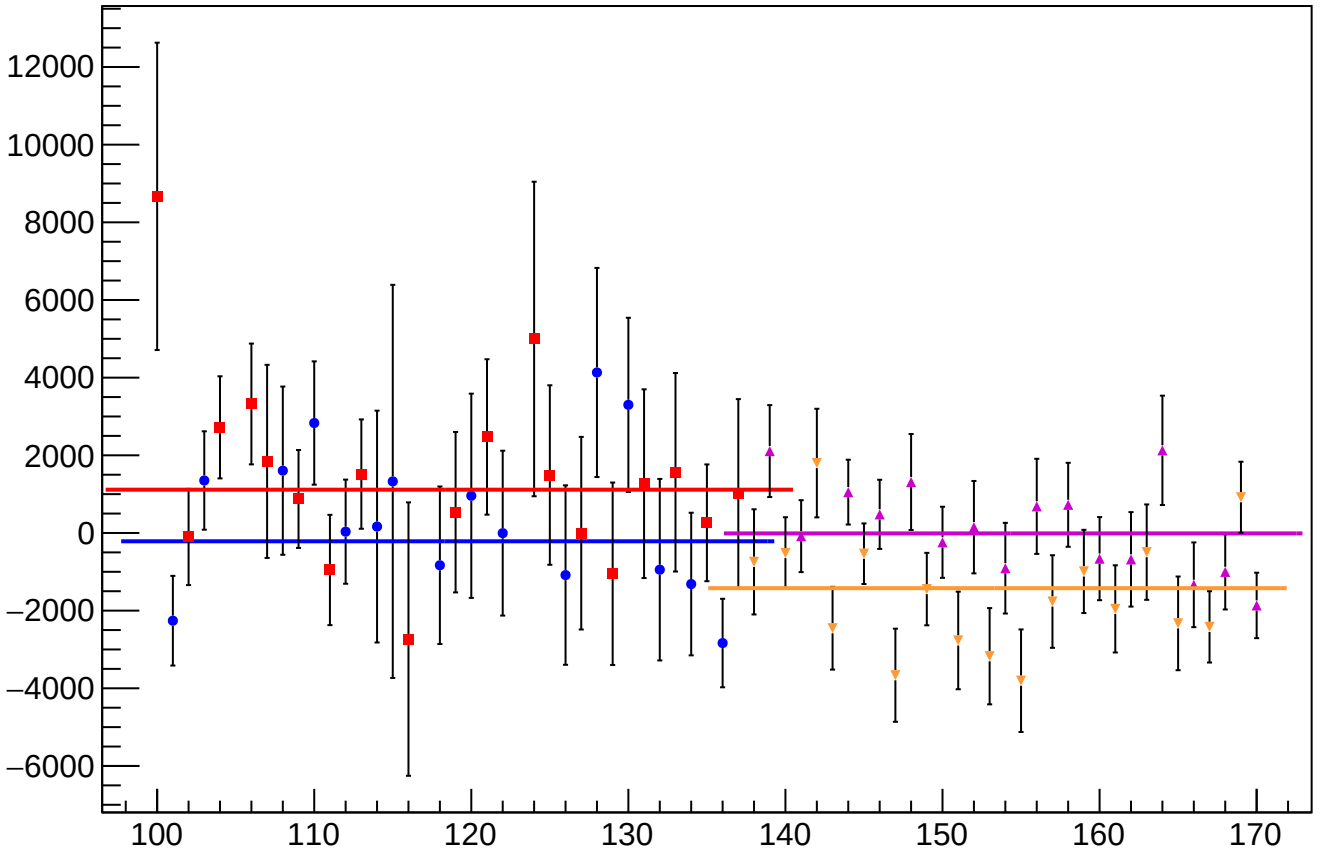
Left: 121.248+/-0.017 χ^2/NDF: 675061.1/32

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.680+/-0.019 χ^2/NDF:696518.4/31

Out: 116.381+/-0.018 χ^2/NDF:814336.8/35

All: 117.017+/-0.013 χ^2/NDF: 1513342.6/67



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1421.306+/-262.130 χ^2/NDF:28.0/16

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: -11.035+/-260.351 χ^2/NDF:18.1/15

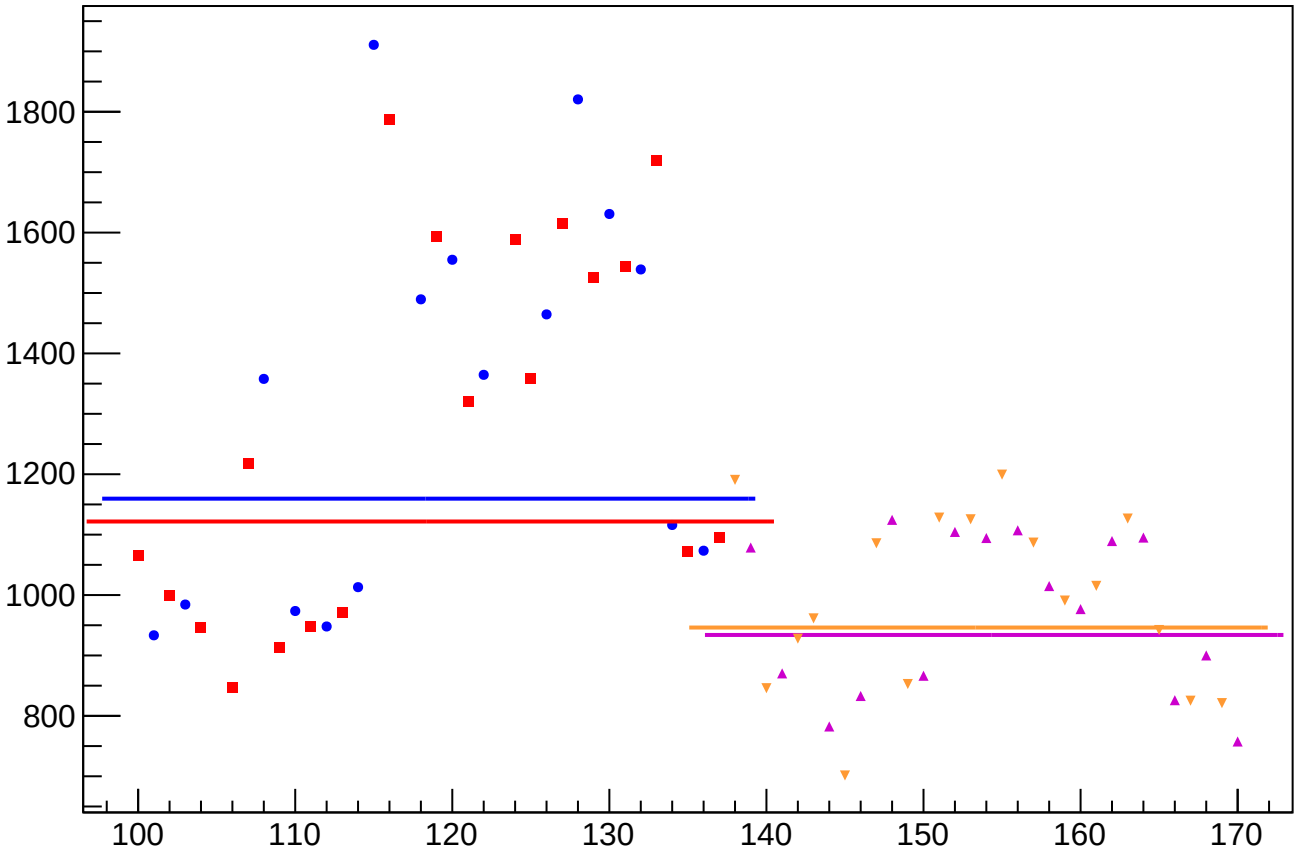
Left: -711.368+/-184.722 χ^2/NDF: 60.6/32

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: -63.020+/-224.583 χ^2/NDF:38.7/31

Out: -717.743+/-222.821 χ^2/NDF:68.5/35

All: -392.959+/-158.178 χ^2/NDF: 111.4/67



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 946.225+/-0.185 χ^2/NDF:645023.7/16

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 933.942+/-0.184 χ^2/NDF:491201.9/15

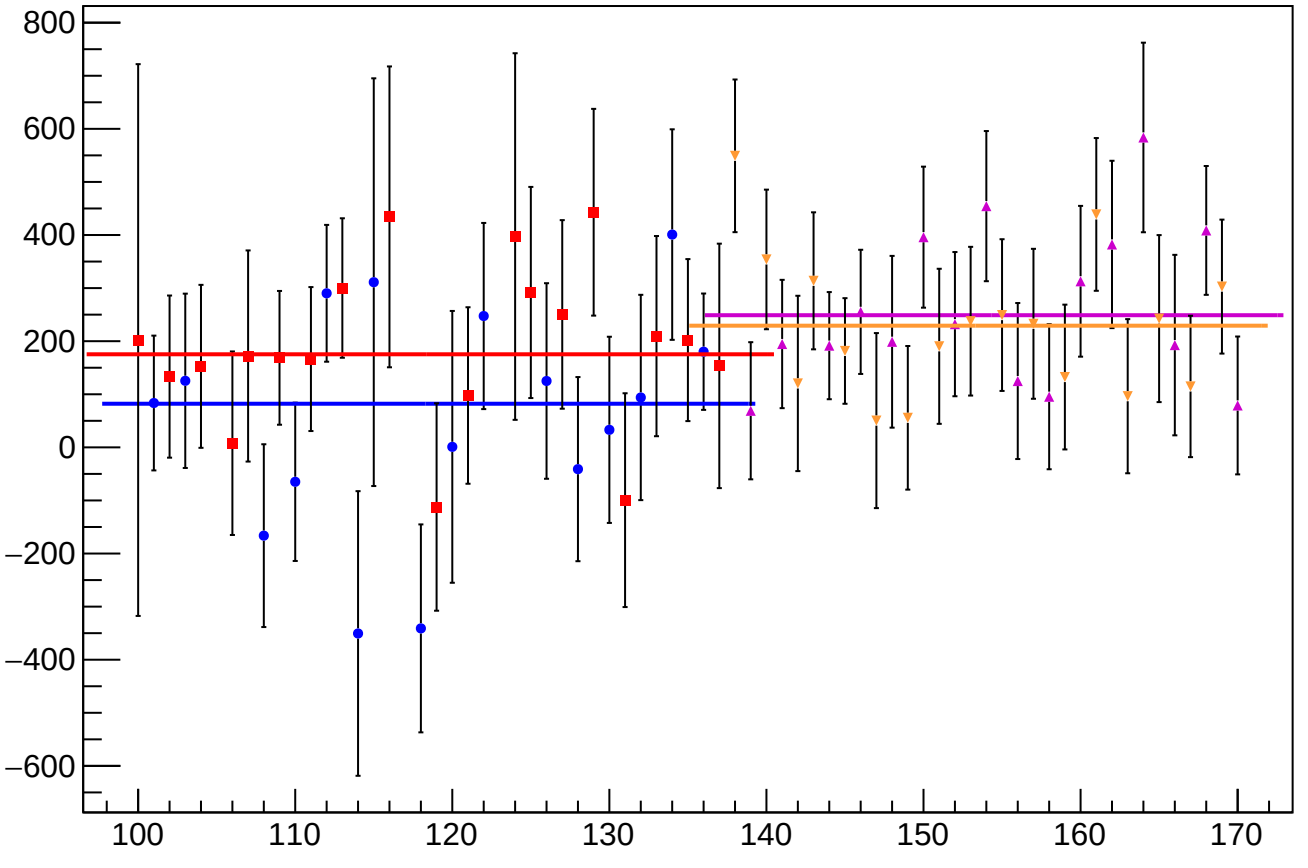
Left: 940.042+/-0.131 χ^2/NDF: 1138436.2/32

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 991.678+/-0.159 χ^2/NDF:1559262.8/31

Out: 994.921+/-0.158 χ^2/NDF:1676088.7/35

All: 993.312+/-0.112 χ^2/NDF: 3235561.7/67



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 229.205+/-33.304 χ^2/NDF:14.4/16

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 248.940+/-33.678 χ^2/NDF:15.9/15

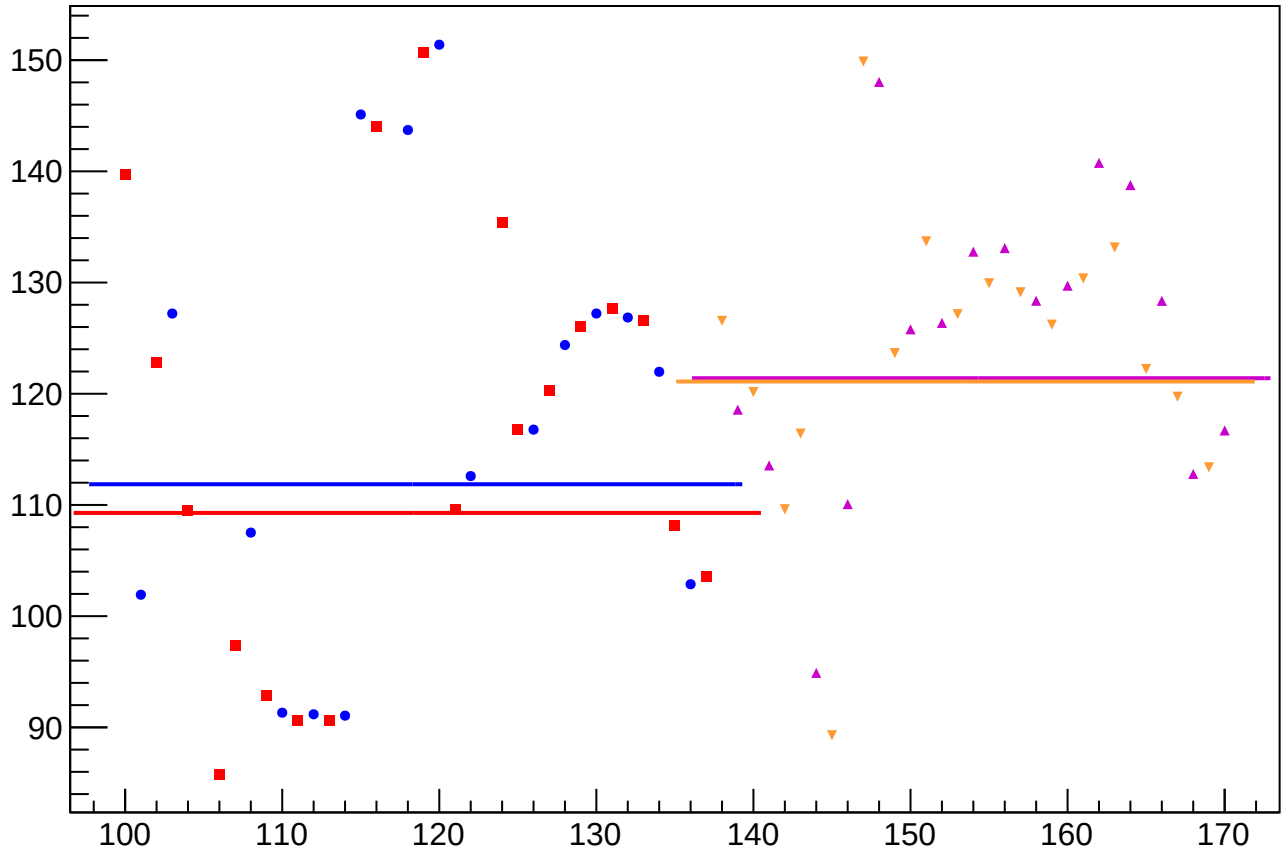
Left: 238.963+/-23.681 χ^2/NDF: 30.5/32

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 183.933+/-26.307 χ^2/NDF:43.8/31

Out: 207.587+/-25.769 χ^2/NDF:25.4/35

All: 196.004+/-18.409 χ^2/NDF: 69.6/67



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.102+/-0.024 χ^2/NDF:346989.8/16

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

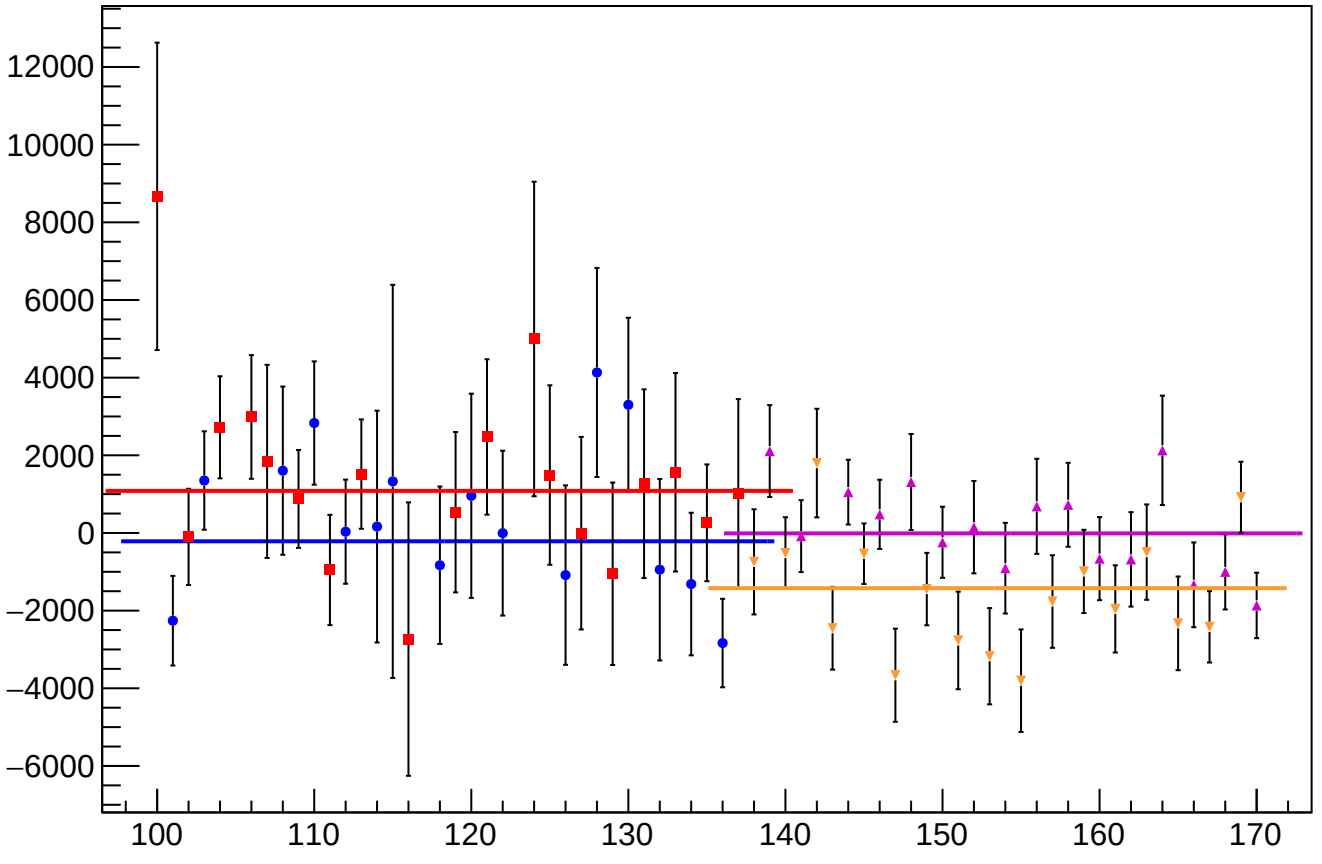
Left: 121.248+/-0.017 χ^2/NDF: 675061.2/32

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.680+/-0.019 χ^2/NDF:696519.1/31

Out: 116.360+/-0.018 χ^2/NDF:818769.9/35

All: 117.006+/-0.013 χ^2/NDF: 1517860.4/67



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1421.302+/-262.130 χ^2/NDF:28.0/16

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -11.027+/-260.351 χ^2/NDF:18.1/15

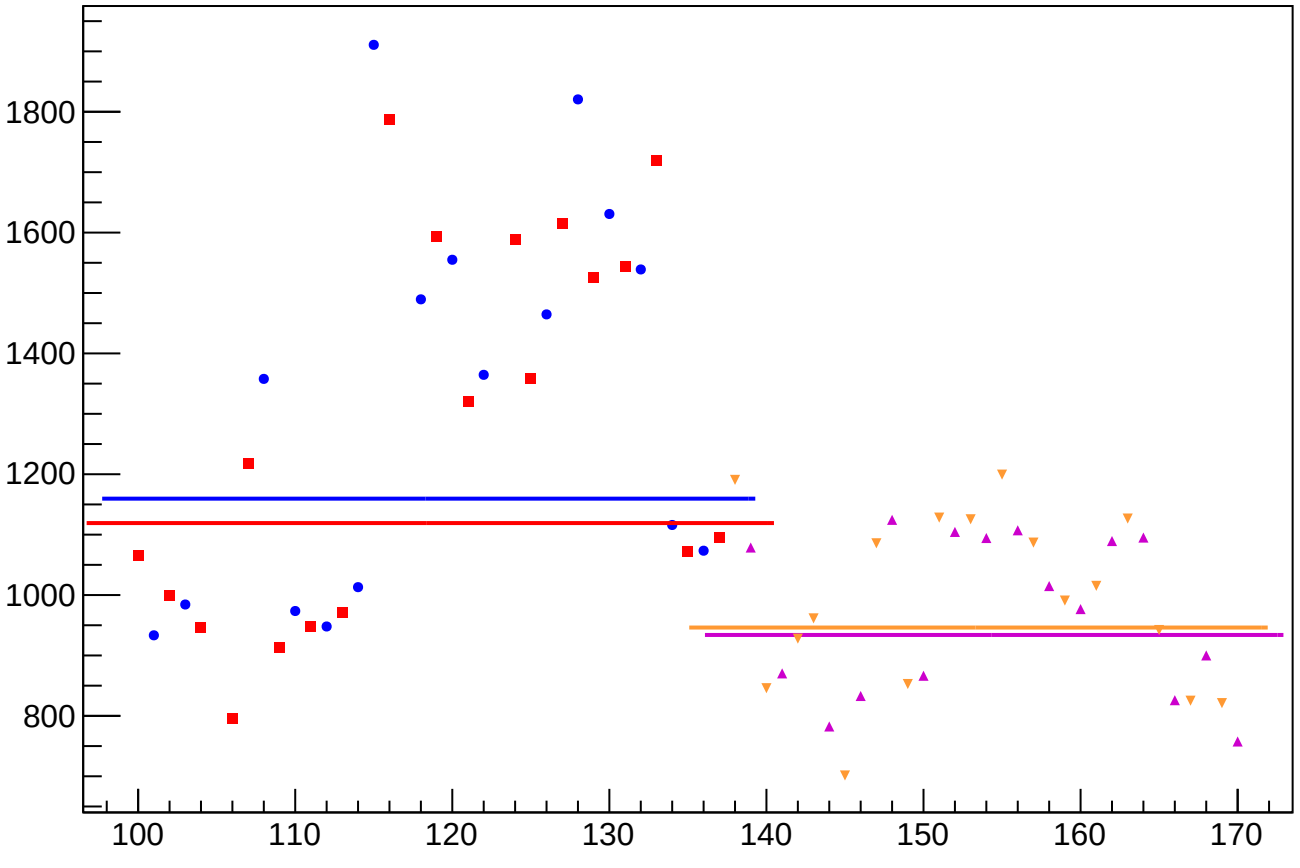
Left: -711.363+/-184.722 χ^2/NDF: 60.6/32

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -63.038+/-224.583 χ^2/NDF:38.7/31

Out: -728.016+/-222.929 χ^2/NDF:67.2/35

All: -397.985+/-158.216 χ^2/NDF: 110.2/67



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 946.225+/-0.185 χ^2/NDF:645024.4/16

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 933.942+/-0.184 χ^2/NDF:491201.0/15

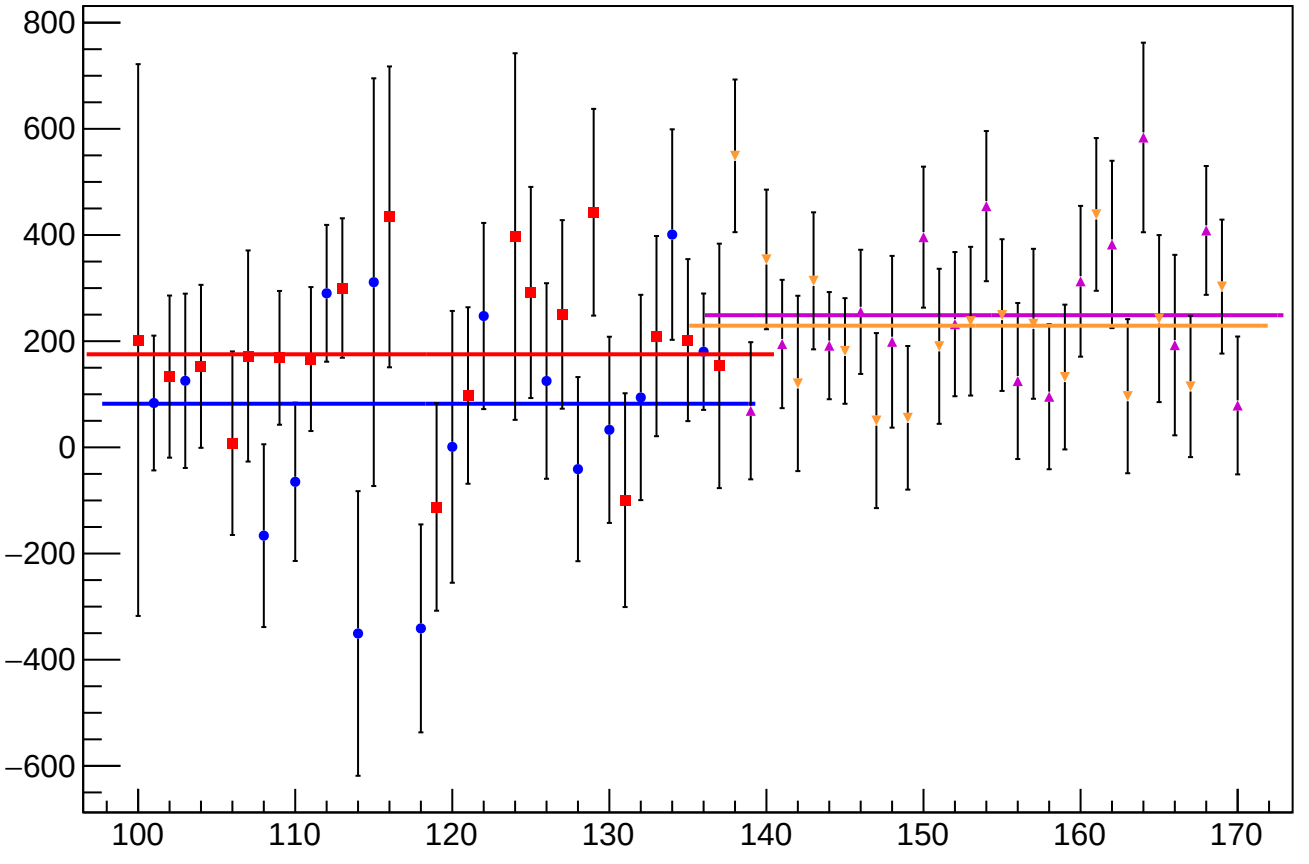
Left: 940.042+/-0.131 χ^2/NDF: 1138436.0/32

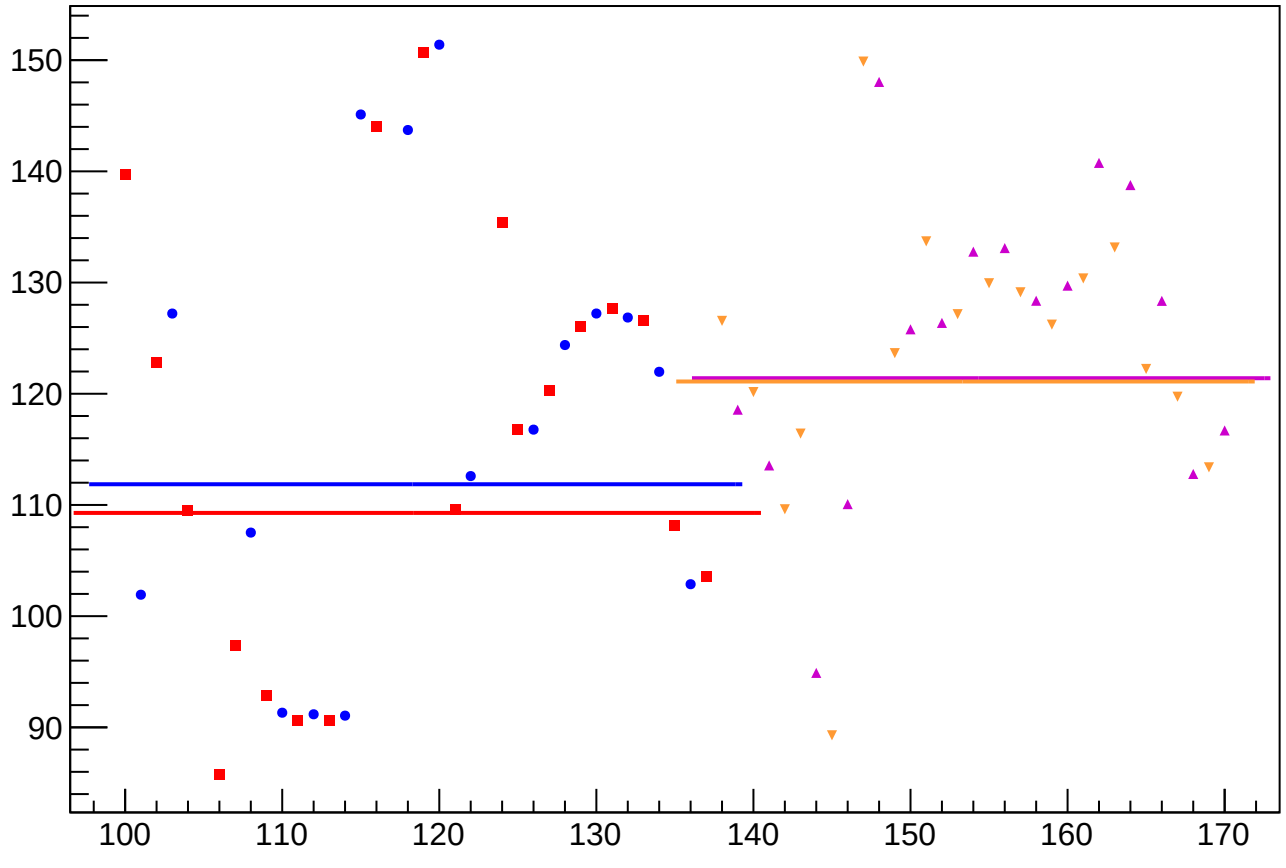
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 991.680+/-0.159 χ^2/NDF:1559258.7/31

Out: 994.081+/-0.158 χ^2/NDF:1689060.1/35

All: 992.889+/-0.112 χ^2/NDF: 3248433.9/67


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 229.205+/-33.304 χ²/NDF:14.4/16
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 248.940+/-33.678 χ²/NDF:15.9/15
Left: 238.963+/-23.681 χ²/NDF: 30.5/32
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 183.933+/-26.307 χ²/NDF:43.8/31
Out: 207.587+/-25.769 χ²/NDF:25.4/35
All: 196.004+/-18.409 χ²/NDF: 69.6/67



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.102+/-0.024 χ^2/NDF:346989.8/16

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

Left: 121.248+/-0.017 χ^2/NDF: 675061.2/32

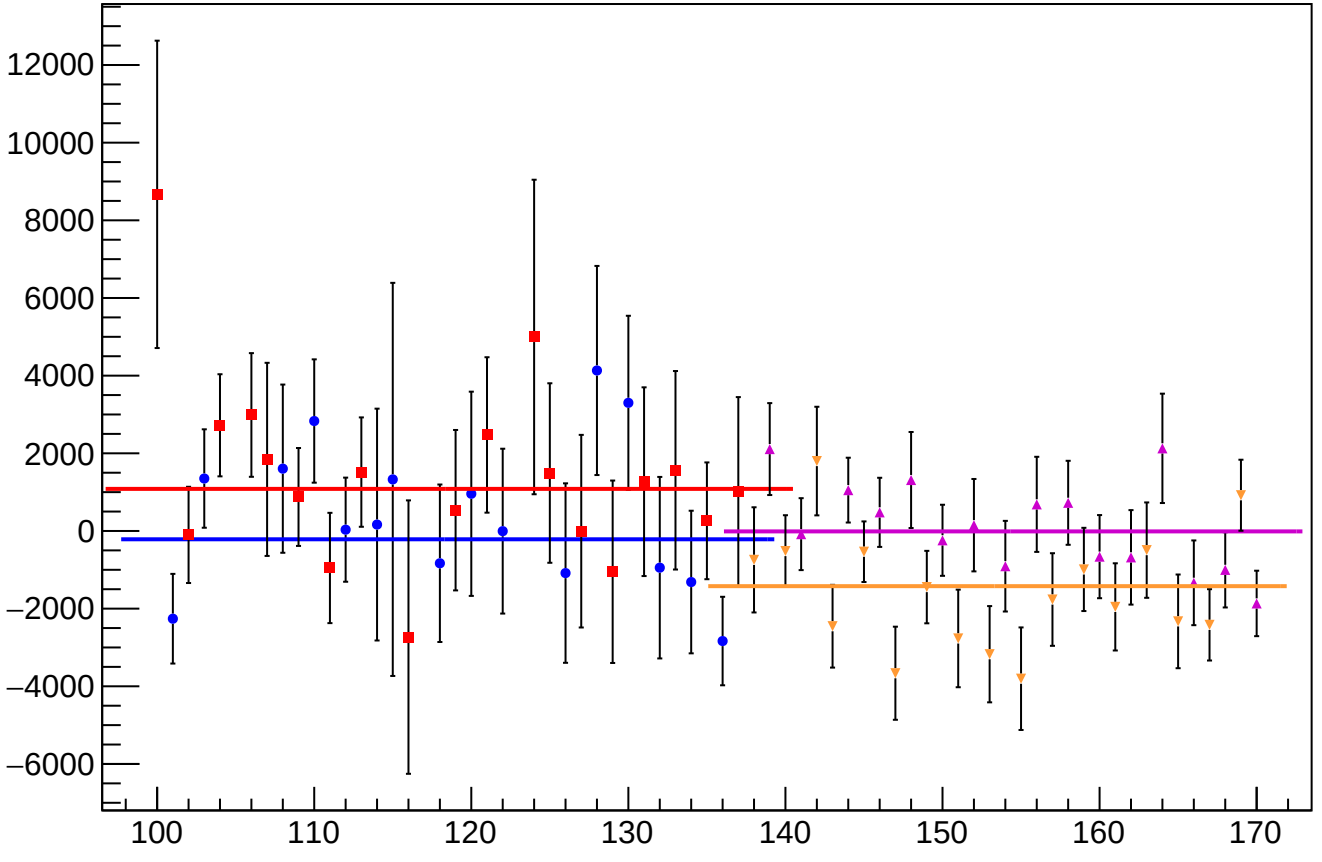
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.680+/-0.019 χ^2/NDF:696519.1/31

Out: 116.360+/-0.018 χ^2/NDF:818769.9/35

All: 117.006+/-0.013 χ^2/NDF: 1517860.4/67

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: -1421.302+/-262.130 χ^2/NDF:28.0/16

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -11.027+/-260.351 χ^2/NDF:18.1/15

Left: -711.363+/-184.722 χ^2/NDF: 60.6/32

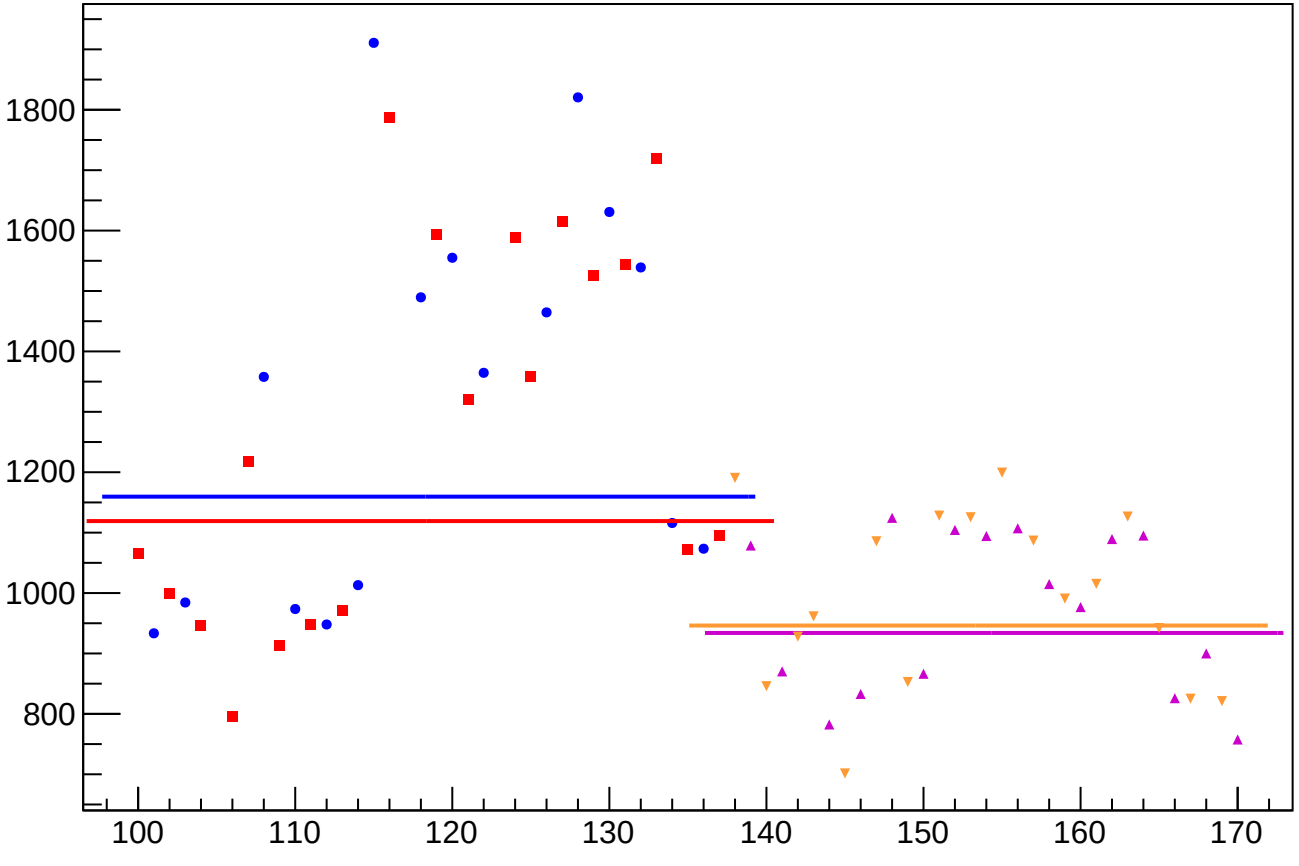
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -63.038+/-224.583 χ^2/NDF:38.7/31

Out: -728.016+/-222.929 χ^2/NDF:67.2/35

All: -397.985+/-158.216 χ^2/NDF: 110.2/67

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: 946.225+/-0.185 χ^2/NDF:645024.4/16

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 933.942+/-0.184 χ^2/NDF:491201.0/15

Left: 940.042+/-0.131 χ^2/NDF: 1138436.0/32

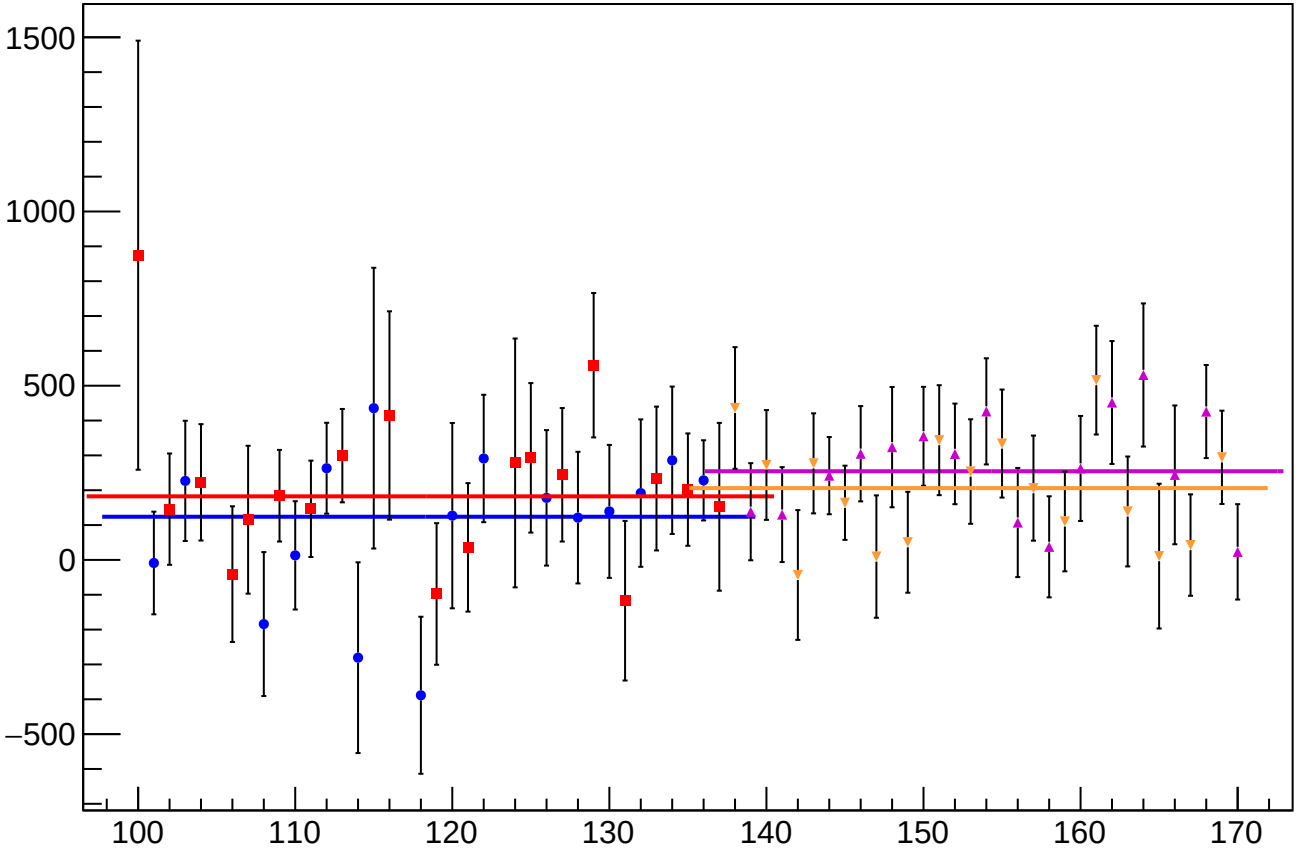
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 991.680+/-0.159 χ^2/NDF:1559258.7/31

Out: 994.081+/-0.158 χ^2/NDF:1689060.1/35

All: 992.889+/-0.112 χ^2/NDF: 3248433.9/67

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 206.082+/-36.632 χ^2/NDF:15.2/16

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 254.498+/-36.826 χ^2/NDF:14.4/15

Left: 230.163+/-25.971 χ^2/NDF: 30.5/32

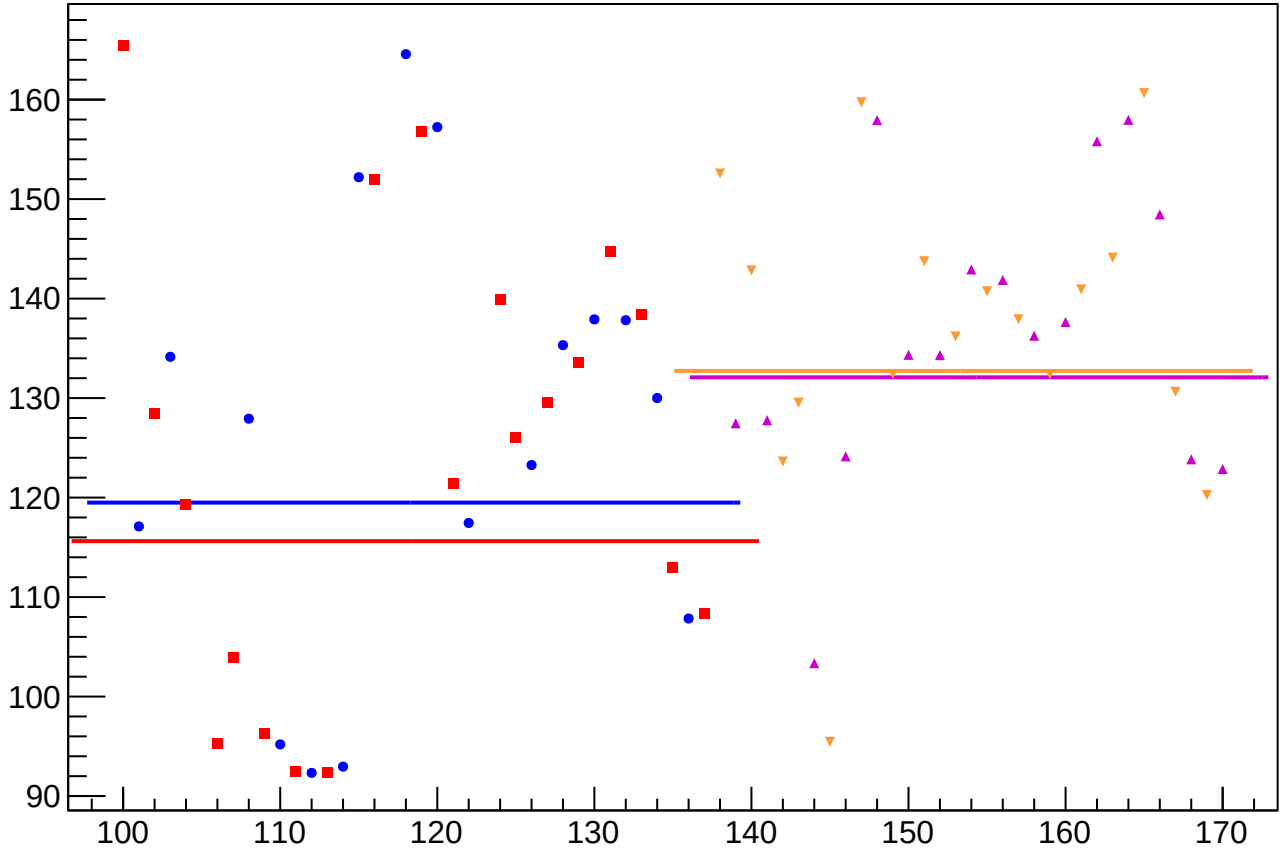
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 202.444+/-28.559 χ^2/NDF:34.9/31

Out: 196.211+/-27.946 χ^2/NDF:27.7/35

All: 199.260+/-19.974 χ^2/NDF: 62.6/67

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.729+/-0.026 χ^2/NDF:420762.1/16

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.084+/-0.026 χ^2/NDF:311791.1/15

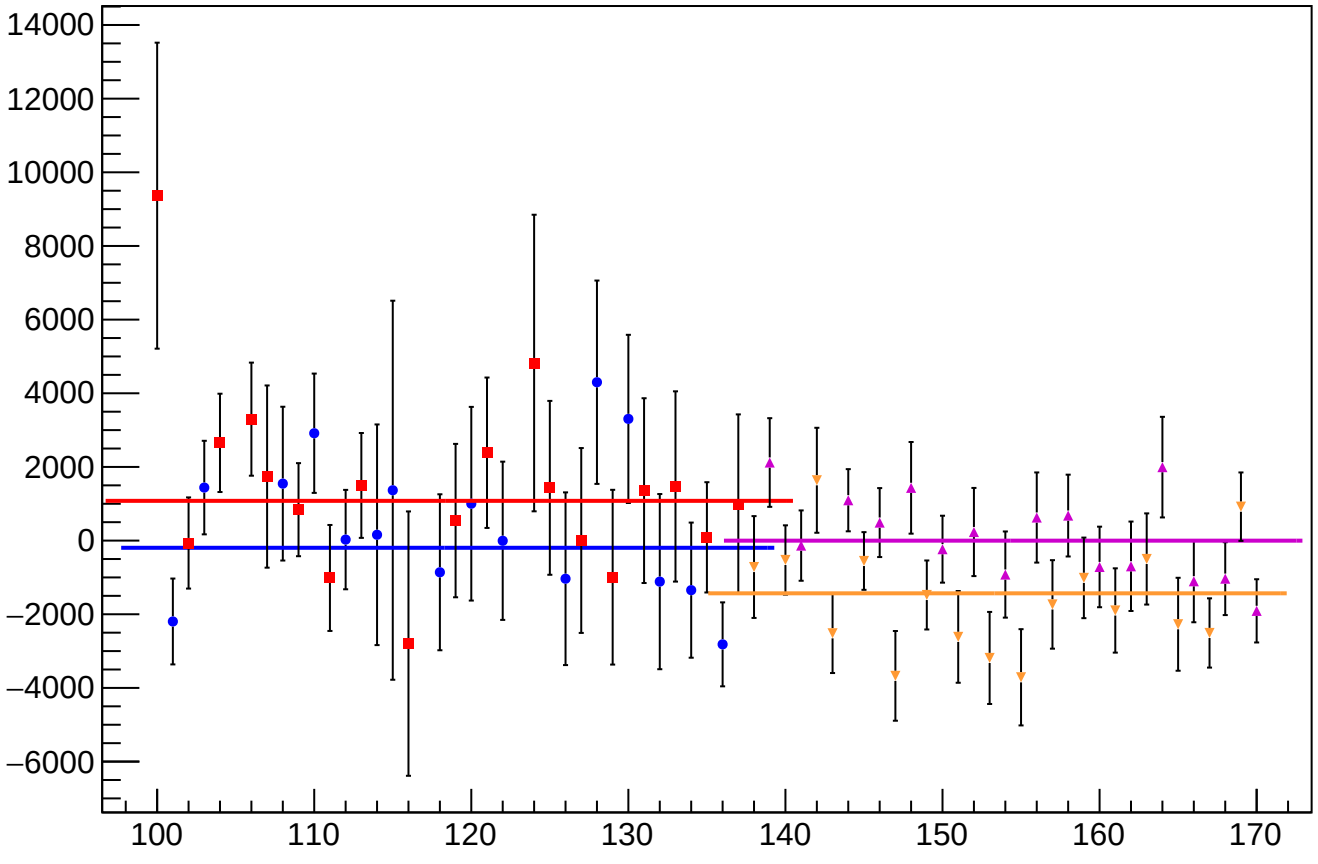
Left: 132.408+/-0.018 χ^2/NDF: 732861.4/32

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.066+/-0.020 χ^2/NDF:785202.3/31

Out: 125.578+/-0.020 χ^2/NDF:1030048.4/35

All: 126.306+/-0.014 χ^2/NDF: 1818026.0/67



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1431.421+/-265.556 χ^2/NDF:26.5/16

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: -1.621+/-264.161 χ^2/NDF:17.7/15

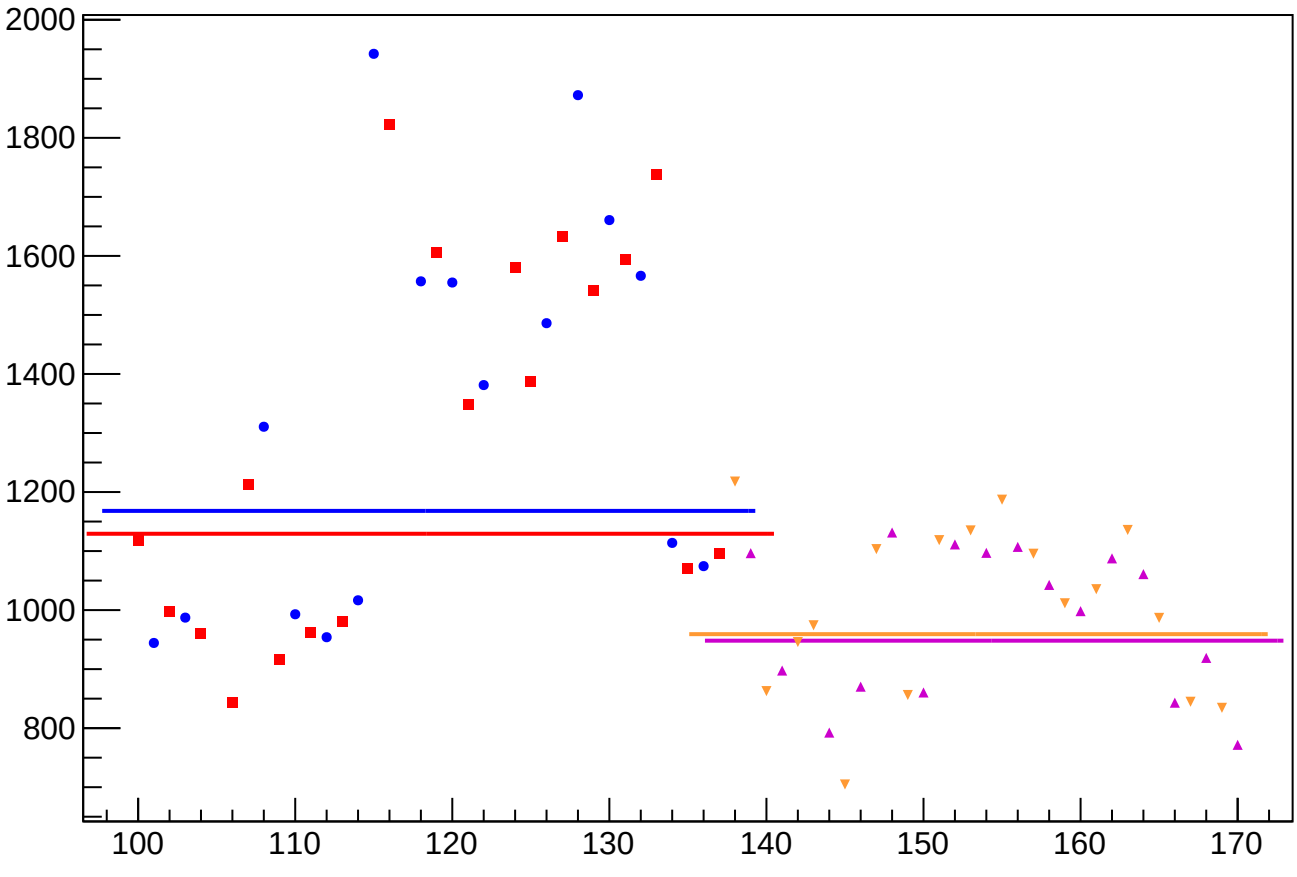
Left: -712.755+/-187.281 χ^2/NDF: 58.8/32

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -51.642+/-227.461 χ^2/NDF:38.2/31

Out: -728.661+/-225.349 χ^2/NDF:66.1/35

All: -393.311+/-160.087 χ^2/NDF: 108.8/67



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 959.254+/-0.188 χ^2/NDF:634668.6/16

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 948.201+/-0.187 χ^2/NDF:445702.9/15

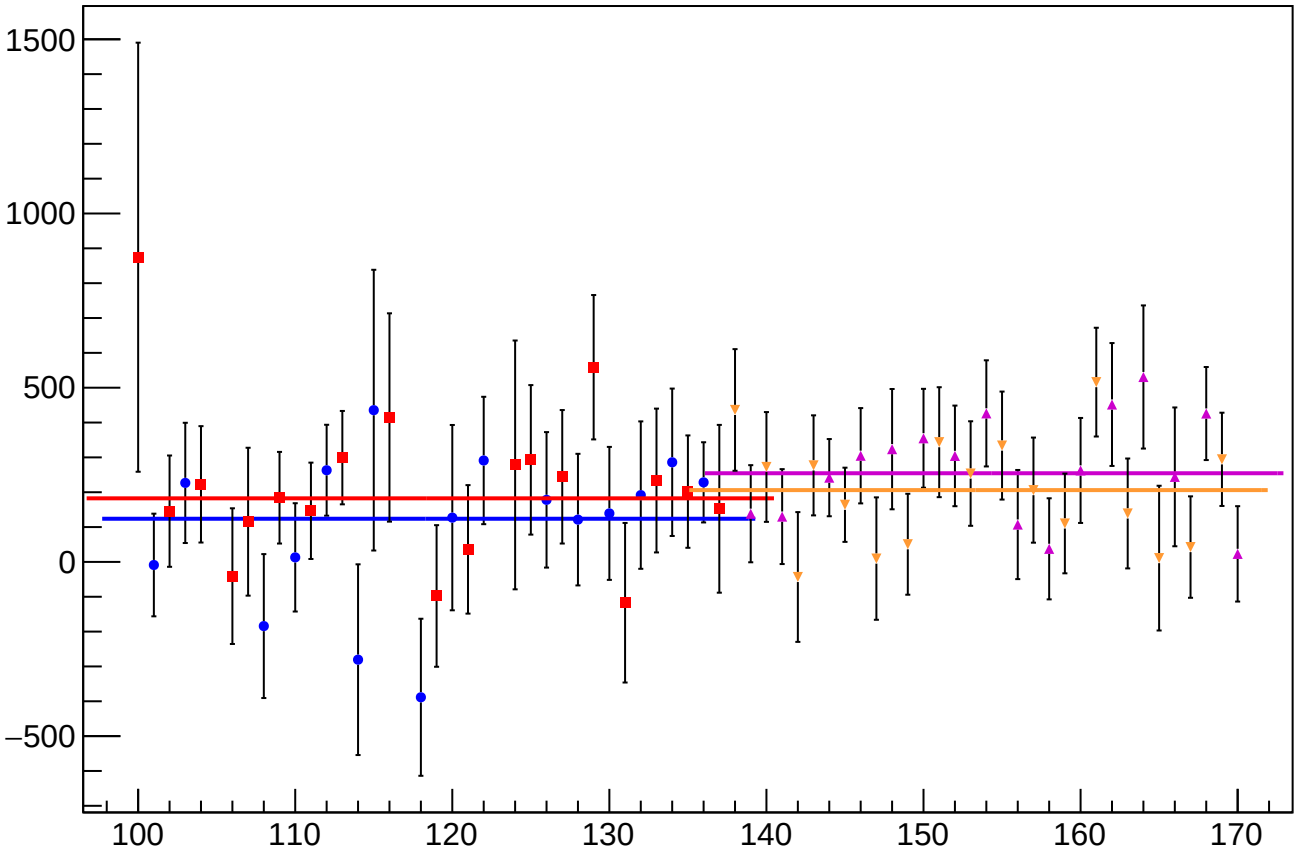
Left: 953.699+/-0.132 χ^2/NDF: 1082113.0/32

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1005.048+/-0.161 χ^2/NDF:1513281.7/31

Out: 1006.853+/-0.159 χ^2/NDF:1671467.0/35

All: 1005.959+/-0.113 χ^2/NDF: 3184812.3/67



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 206.085+/-36.632 χ^2/NDF:15.2/16

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 254.500+/-36.826 χ^2/NDF:14.4/15

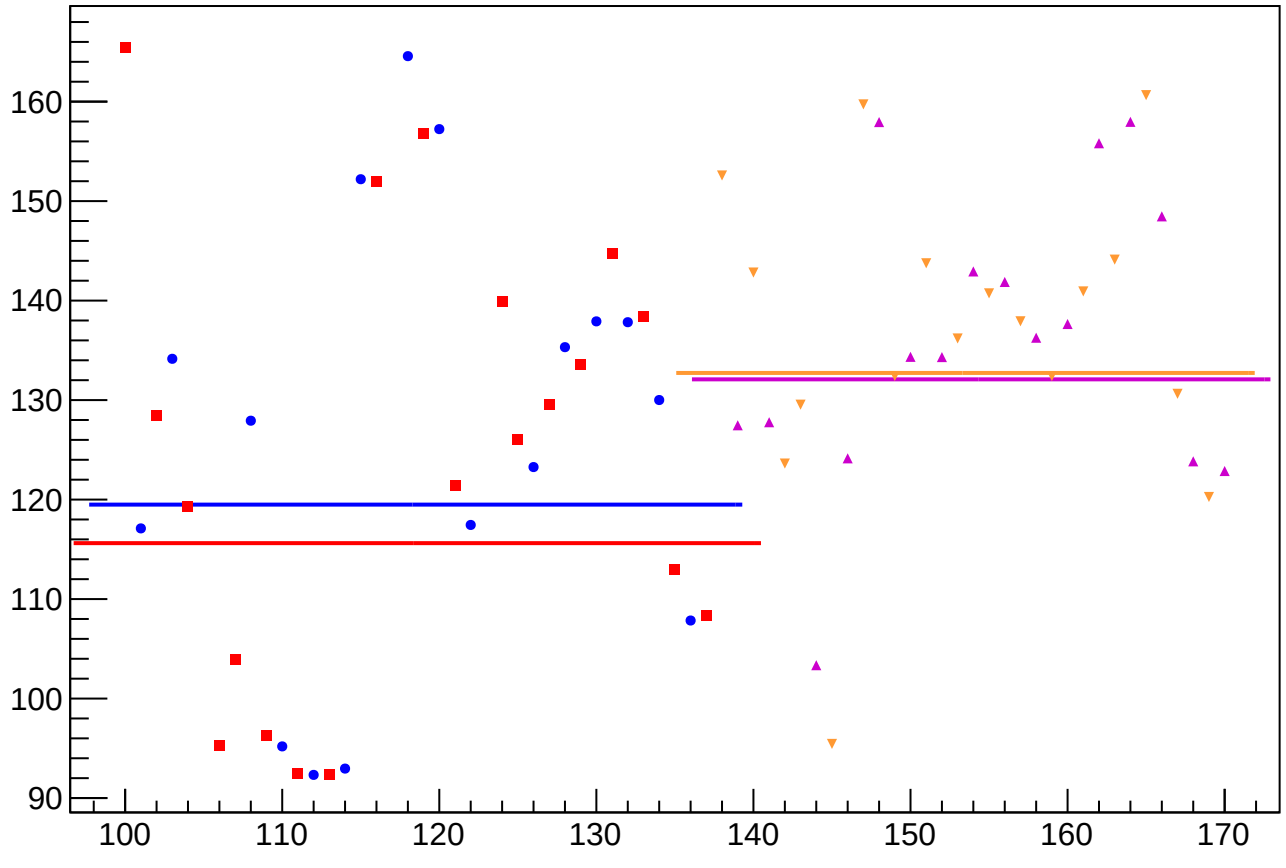
Left: 230.165+/-25.971 χ^2/NDF: 30.5/32

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 202.446+/-28.559 χ^2/NDF:34.9/31

Out: 196.213+/-27.946 χ^2/NDF:27.7/35

All: 199.262+/-19.974 χ^2/NDF: 62.6/67



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.729+/-0.026 χ^2/NDF:420763.5/16

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.084+/-0.026 χ^2/NDF:311791.6/15

Left: 132.408+/-0.018 χ^2/NDF: 732863.3/32

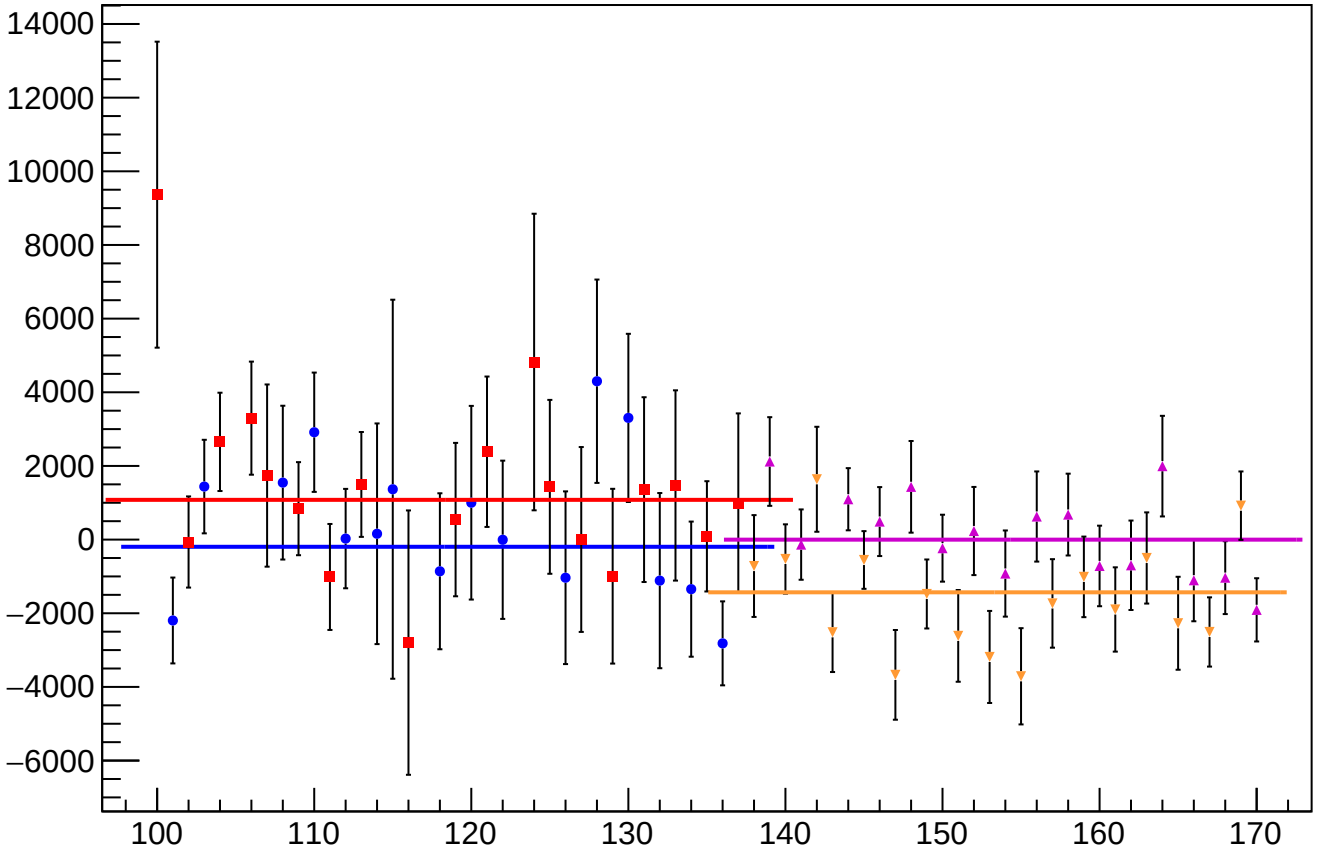
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.066+/-0.020 χ^2/NDF:785206.1/31

Out: 125.578+/-0.020 χ^2/NDF:1030056.4/35

All: 126.306+/-0.014 χ^2/NDF: 1818037.9/67

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: -1431.417+/-265.556 χ^2/NDF:26.5/16

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: -1.622+/-264.160 χ^2/NDF:17.7/15

Left: -712.753+/-187.281 χ^2/NDF: 58.8/32

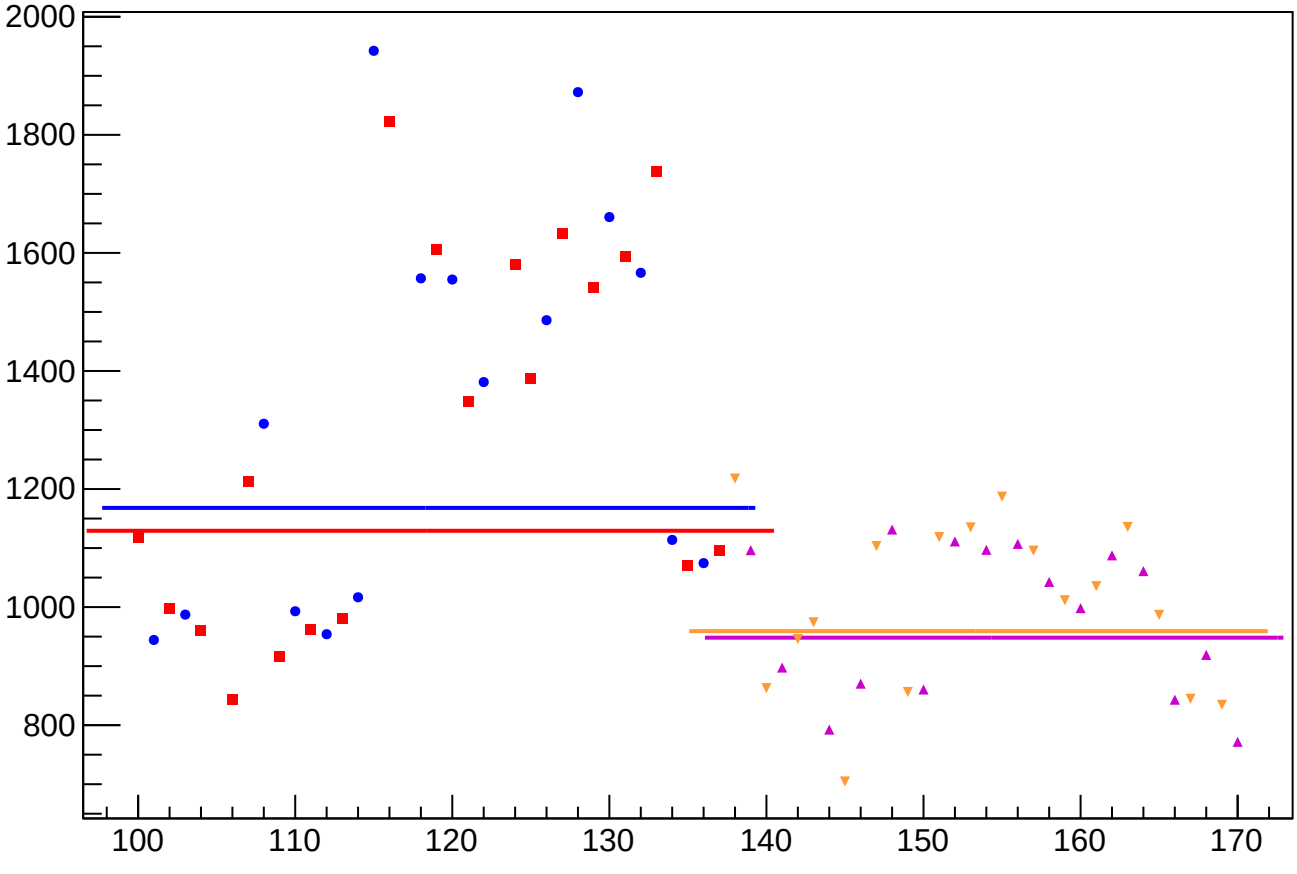
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -51.643+/-227.461 χ^2/NDF:38.2/31

Out: -728.660+/-225.348 χ^2/NDF:66.1/35

All: -393.310+/-160.087 χ^2/NDF: 108.8/67

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: 959.253+/-0.188 χ^2/NDF:634674.8/16

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 948.201+/-0.187 χ^2/NDF:445704.6/15

Left: 953.698+/-0.132 χ^2/NDF: 1082120.8/32

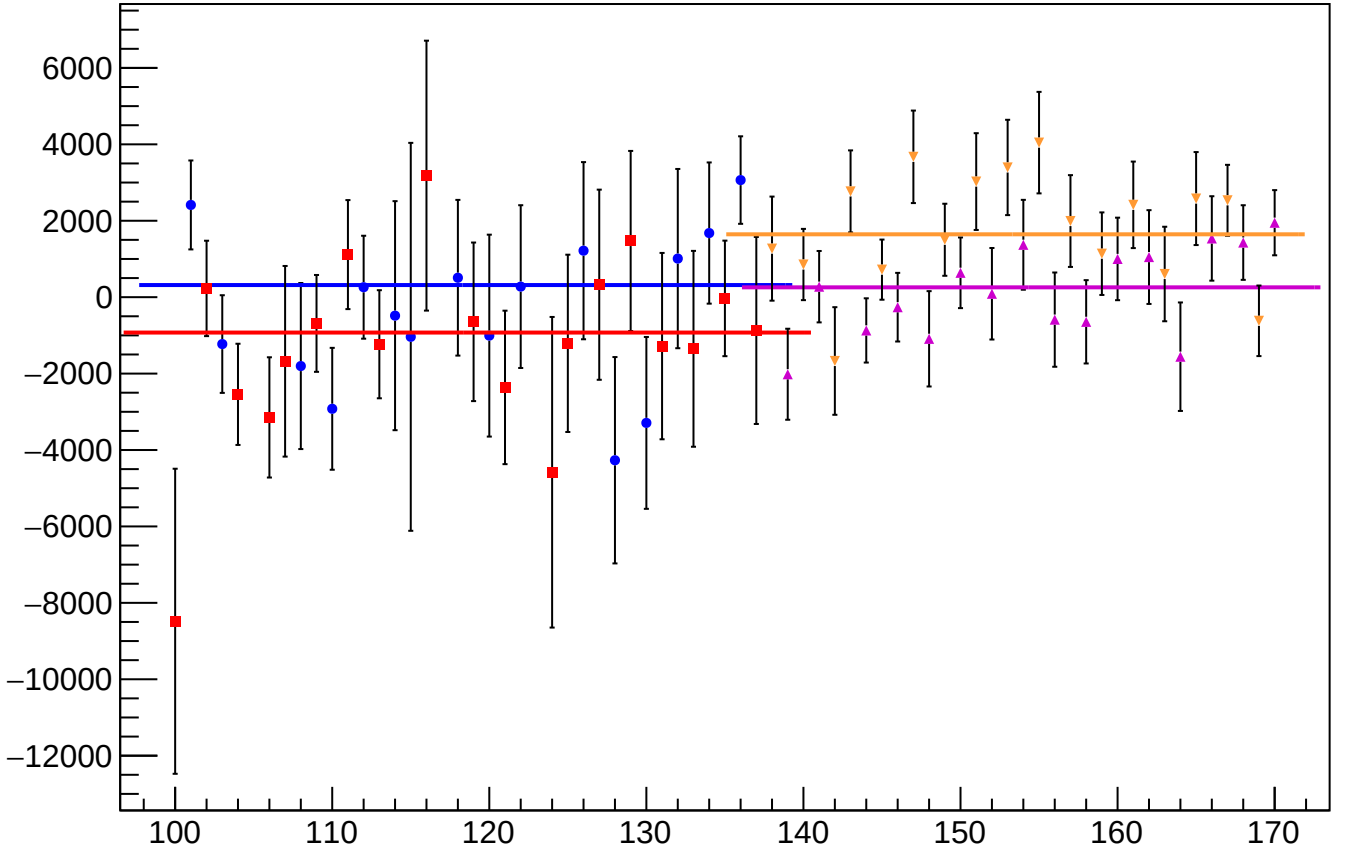
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1005.047+/-0.161 χ^2/NDF:1513287.7/31

Out: 1006.852+/-0.159 χ^2/NDF:1671477.0/35

All: 1005.958+/-0.113 χ^2/NDF: 3184828.3/67

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1645.507+/-264.356 χ^2/NDF:27.1/16

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 257.279+/-262.643 χ^2/NDF:18.4/15

Left: 946.881+/-186.319 χ^2/NDF: 59.4/32

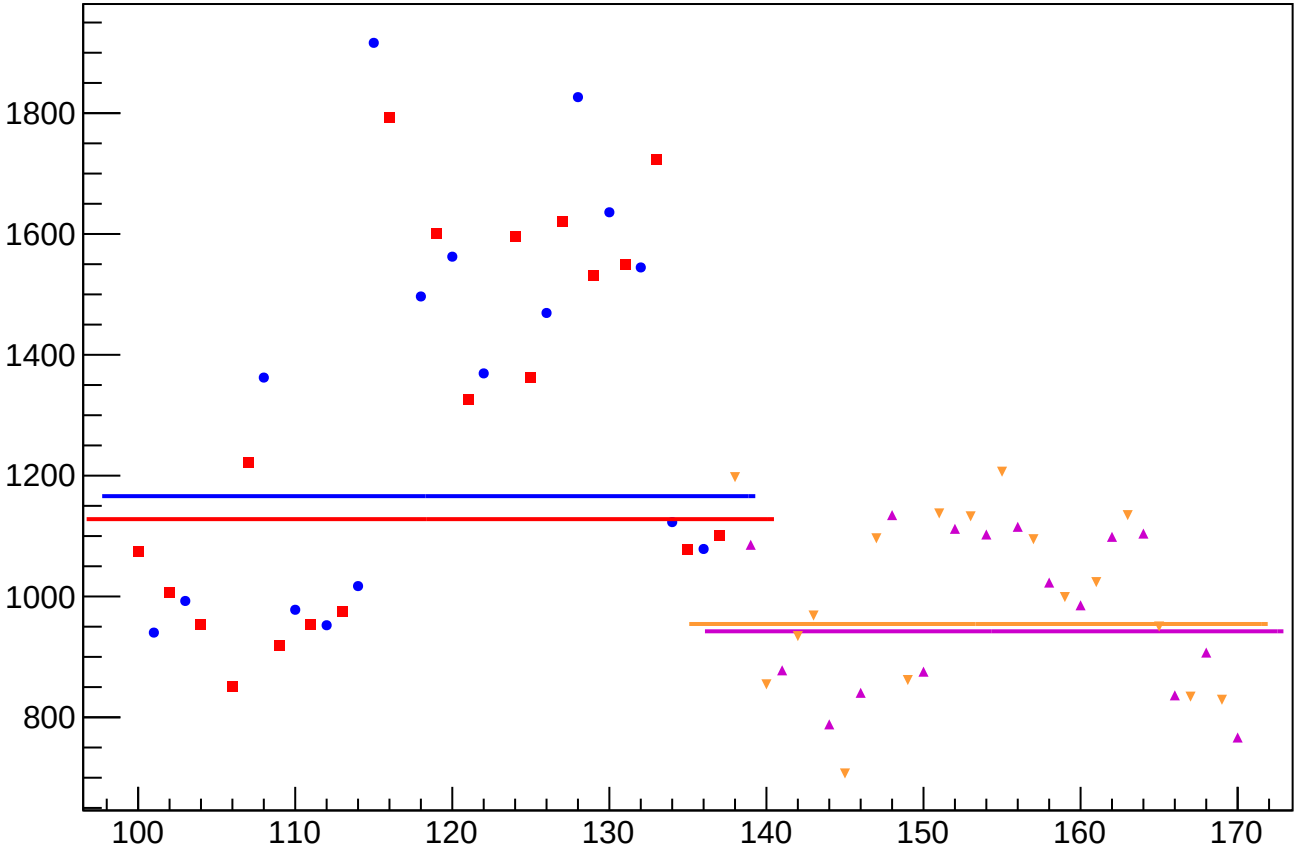
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 272.733+/-226.361 χ^2/NDF:40.6/31

Out: 929.113+/-224.534 χ^2/NDF:67.9/35

All: 603.583+/-159.411 χ^2/NDF: 112.8/67

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 954.462+/-0.187 χ^2/NDF:637644.8/16

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 942.345+/-0.186 χ^2/NDF:484422.7/15

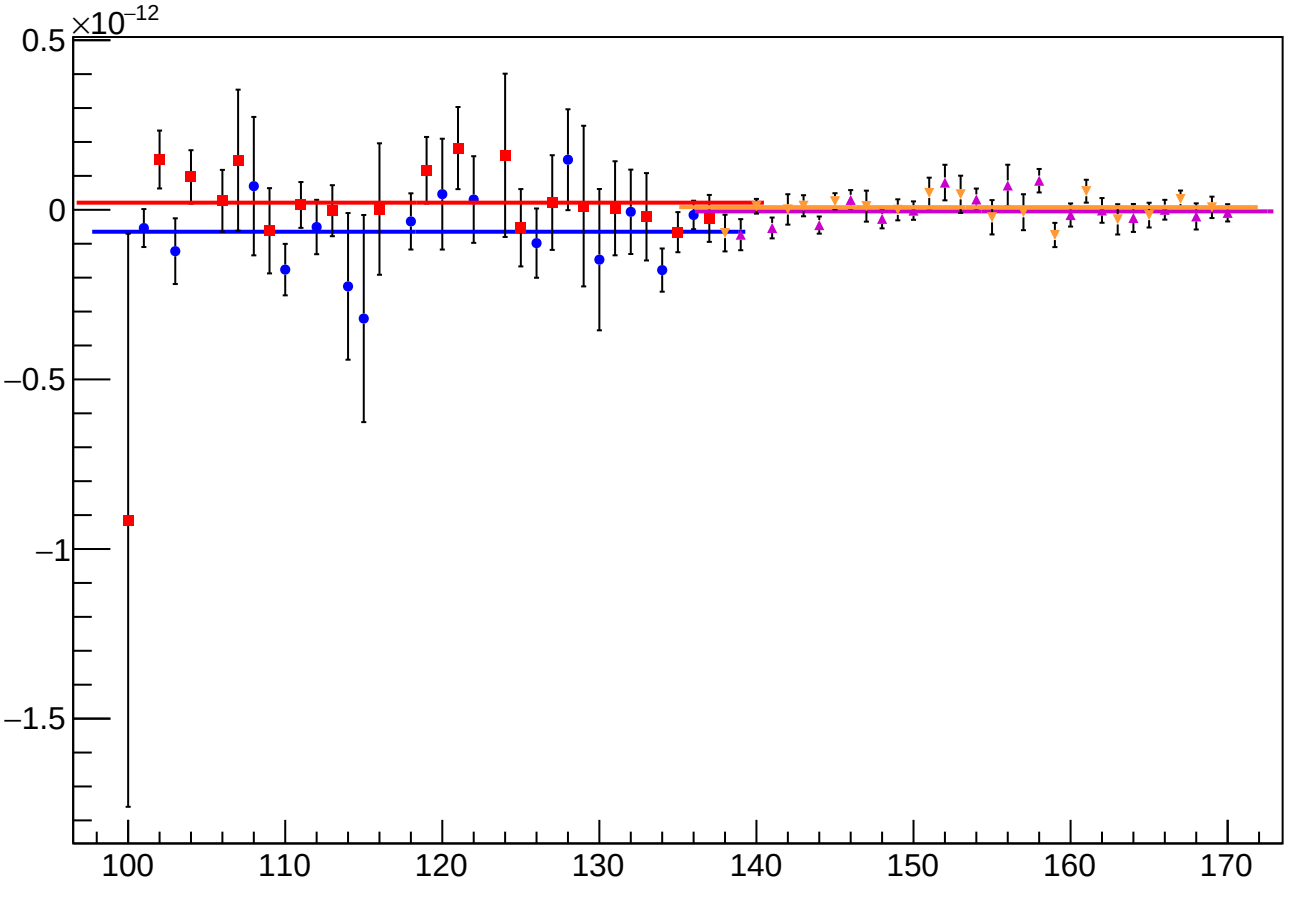
Left: 948.365+/-0.132 χ^2/NDF: 1124182.1/32

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 999.884+/-0.160 χ^2/NDF:1534687.9/31

Out: 1002.809+/-0.159 χ^2/NDF:1653532.1/35

All: 1001.358+/-0.113 χ^2/NDF: 3188388.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:22.1/15

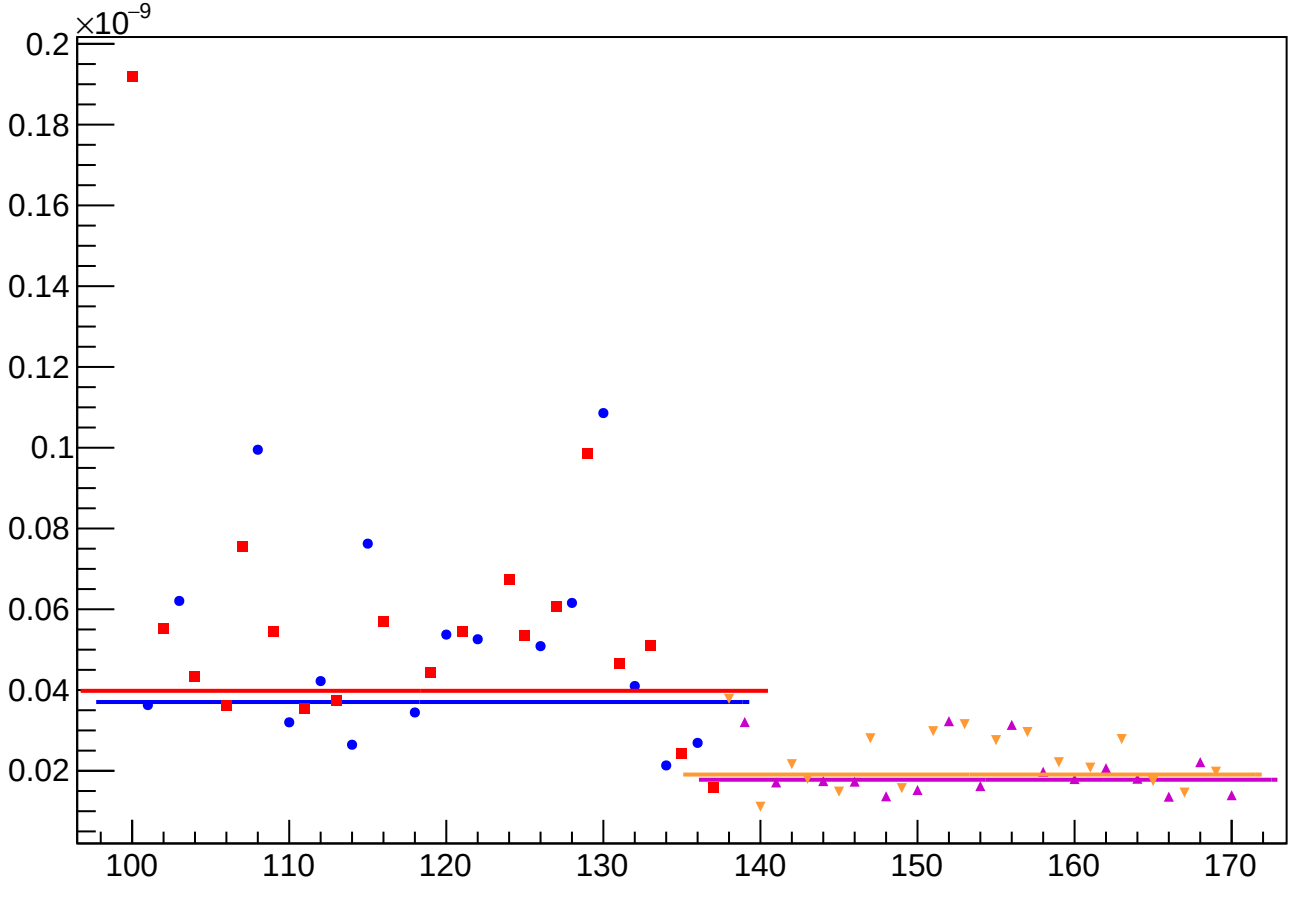
Left: 0.000+/-0.000 χ^2/NDF: 36.8/32

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.2/31

Out: 0.000+/-0.000 χ^2/NDF:25.4/35

All: -0.000+/-0.000 χ^2/NDF: 70.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1201278.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:643789.2/15

Left: 0.000+/-0.000 χ^2/NDF: 1869280.5/32

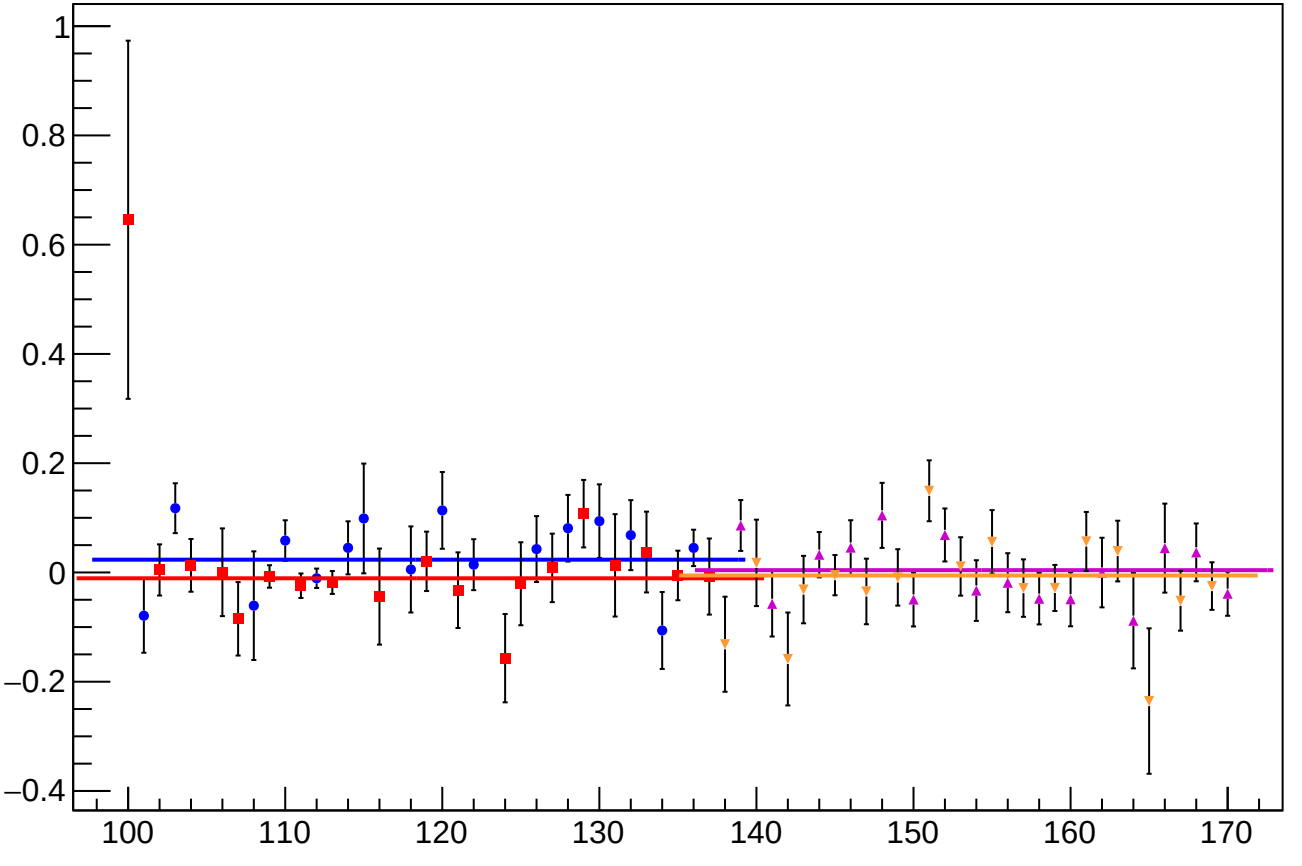
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3001393.7/31

Out: 0.000+/-0.000 χ^2/NDF:3528725.1/35

All: 0.000+/-0.000 χ^2/NDF: 6558530.4/67

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/16

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.013 χ^2/NDF:17.0/15

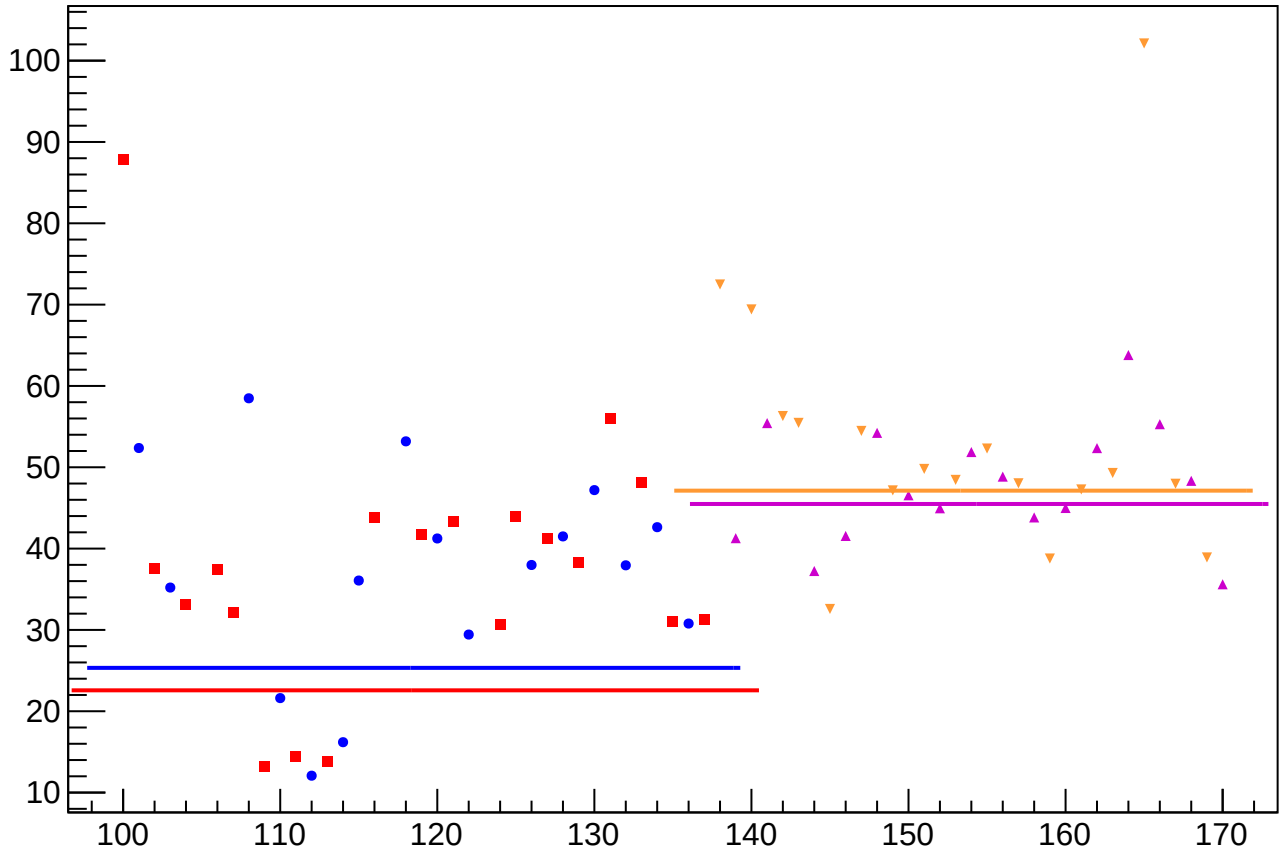
Left: -0.001+/-0.009 χ^2/NDF: 38.4/32

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/35

All: 0.002+/-0.006 χ^2/NDF: 78.8/67



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.126+/-0.009 χ^2/NDF:1246639.0/16

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.486+/-0.009 χ^2/NDF:509328.0/15

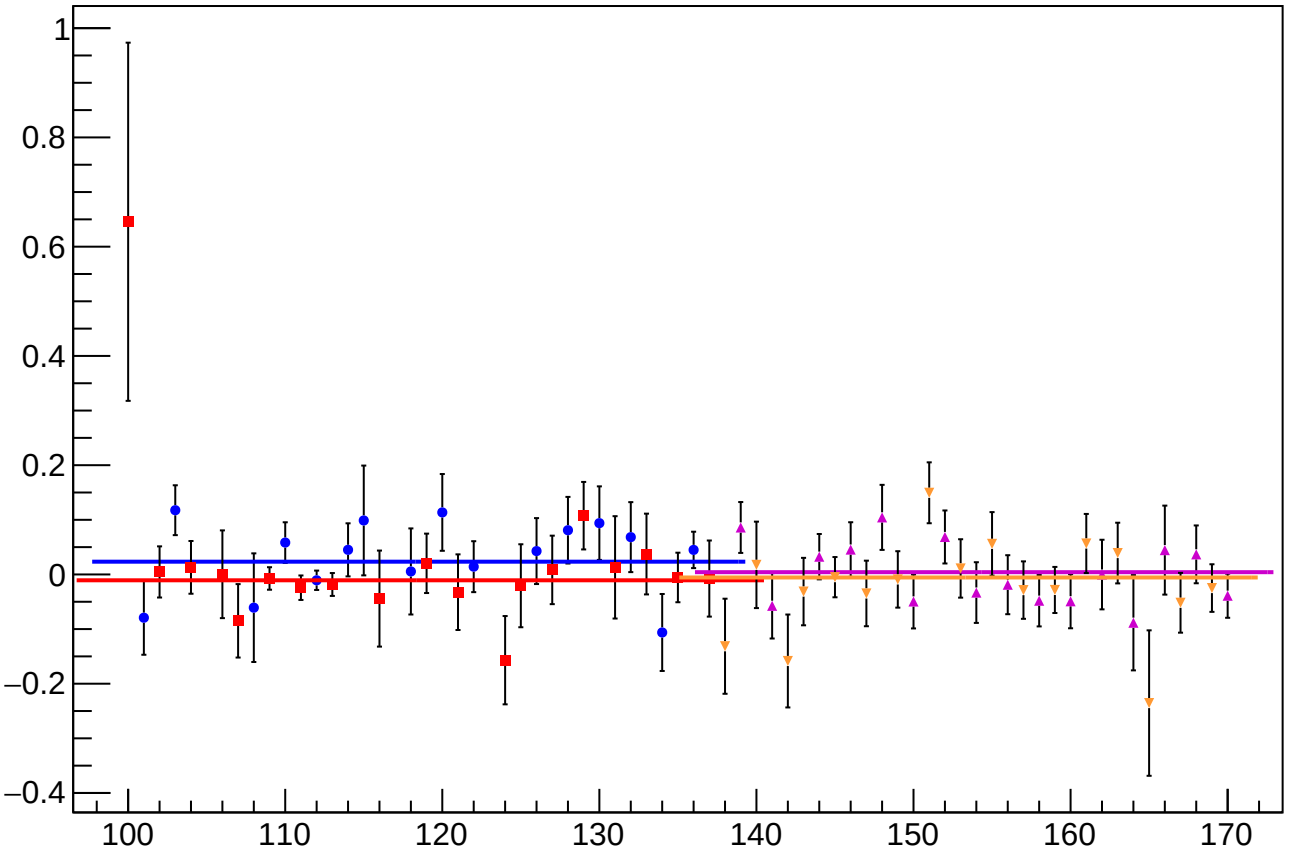
Left: 46.284+/-0.007 χ^2/NDF: 1771299.8/32

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.757+/-0.006 χ^2/NDF:6205574.4/31

Out: 31.117+/-0.006 χ^2/NDF:8754579.7/35

All: 32.352+/-0.004 χ^2/NDF: 15064225.4/67



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/16

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.013 χ^2/NDF:17.0/15

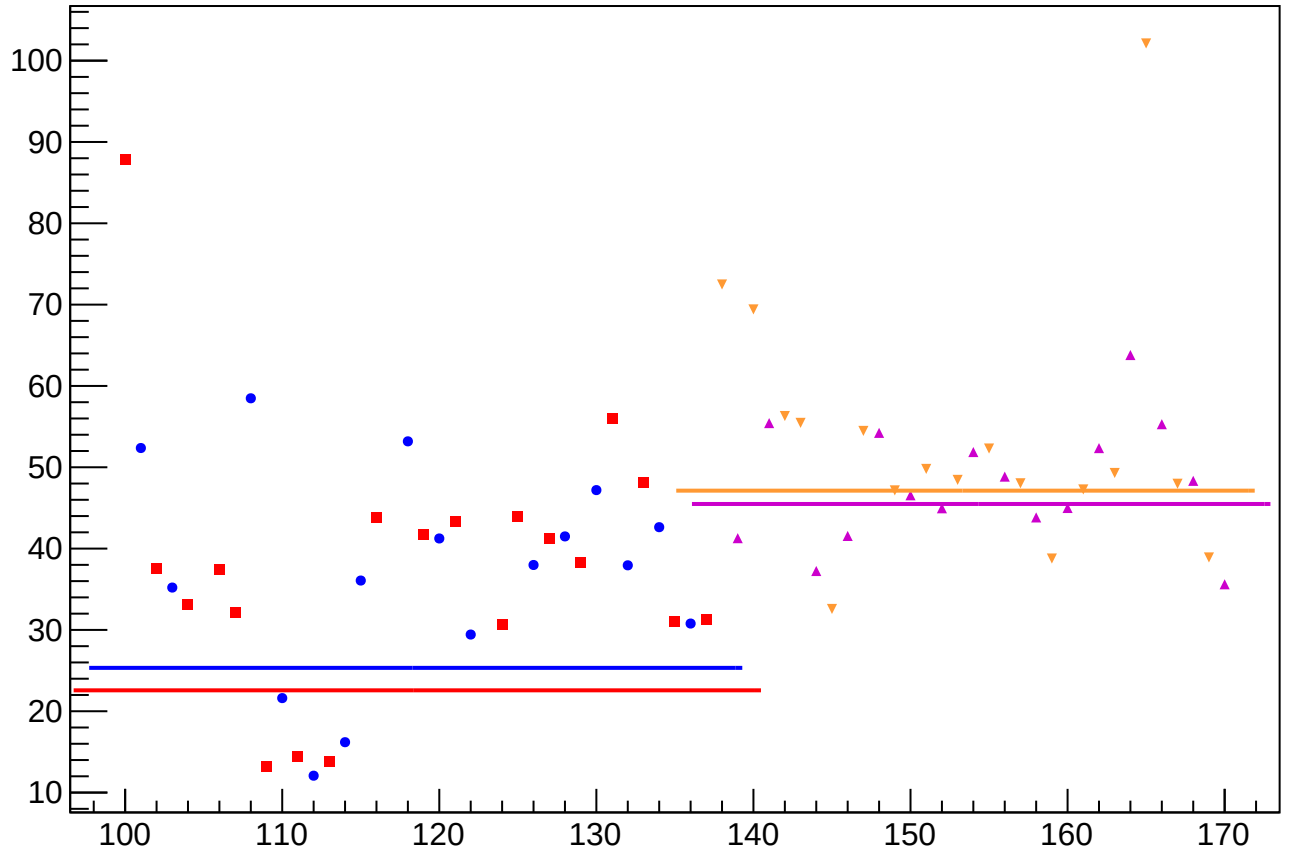
Left: -0.001+/-0.009 χ^2/NDF: 38.4/32

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/35

All: 0.002+/-0.006 χ^2/NDF: 78.8/67



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.126+/-0.009 χ^2/NDF:1246639.0/16

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.486+/-0.009 χ^2/NDF:509328.0/15

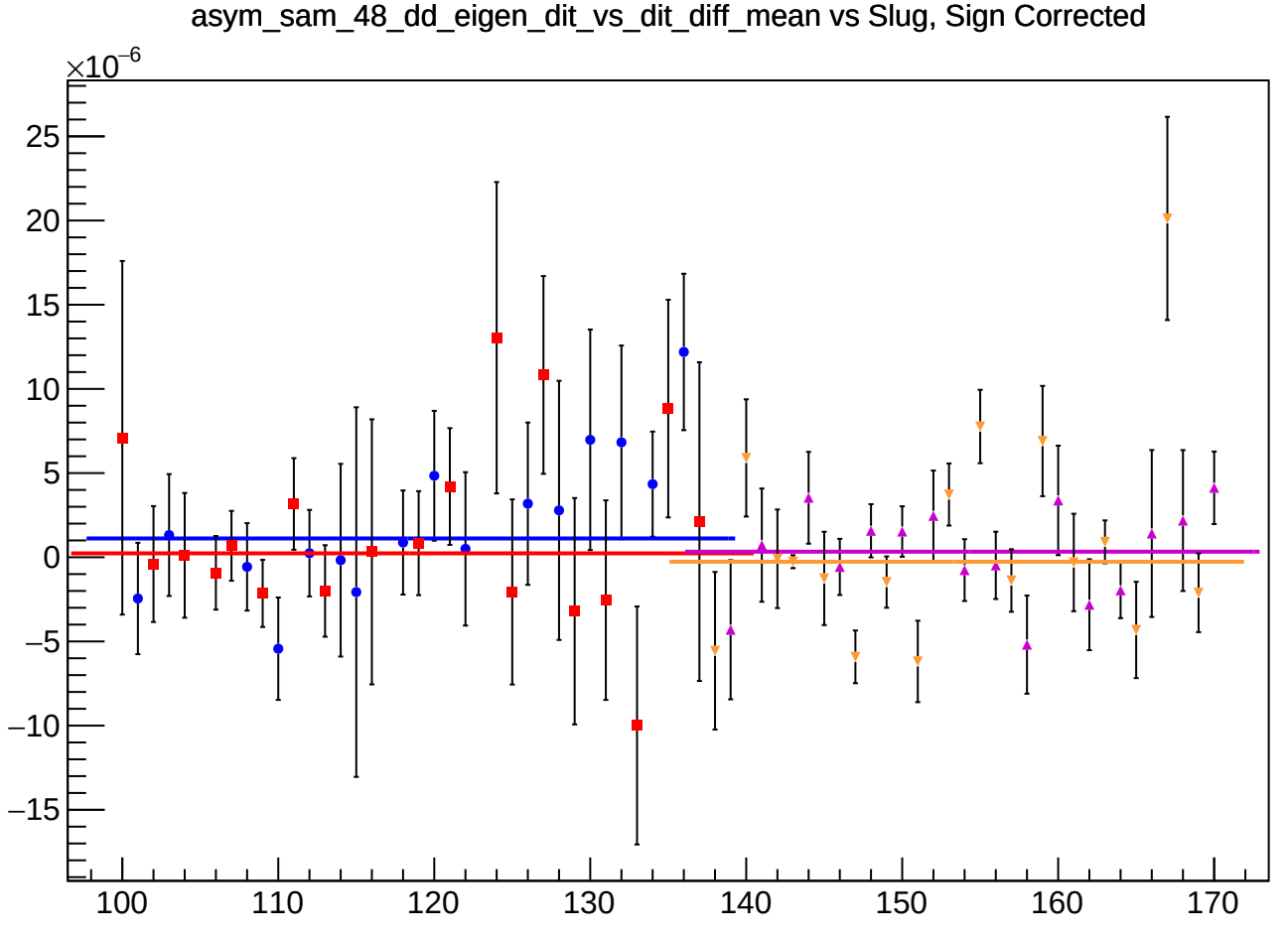
Left: 46.284+/-0.007 χ^2/NDF: 1771299.8/32

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.757+/-0.006 χ^2/NDF:6205574.4/31

Out: 31.117+/-0.006 χ^2/NDF:8754579.7/35

All: 32.352+/-0.004 χ^2/NDF: 15064225.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:62.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/15

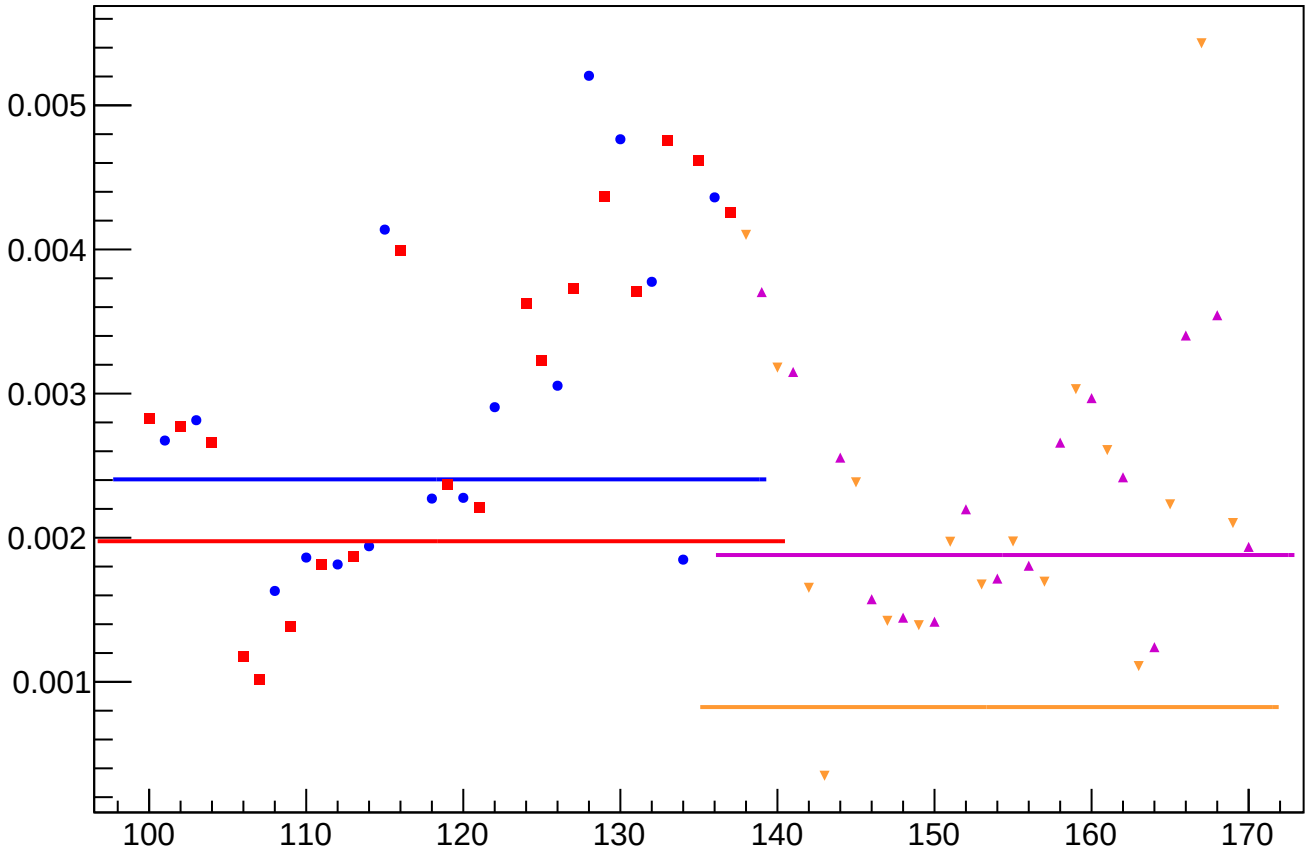
Left: -0.000+/-0.000 χ^2/NDF: 79.8/32

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:33.2/31

Out: -0.000+/-0.000 χ^2/NDF:78.0/35

All: -0.000+/-0.000 χ^2/NDF: 112.8/67



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:12183360.1/16

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2506693.3/15

Left: 0.001+/-0.000 χ^2/NDF: 20095157.1/32

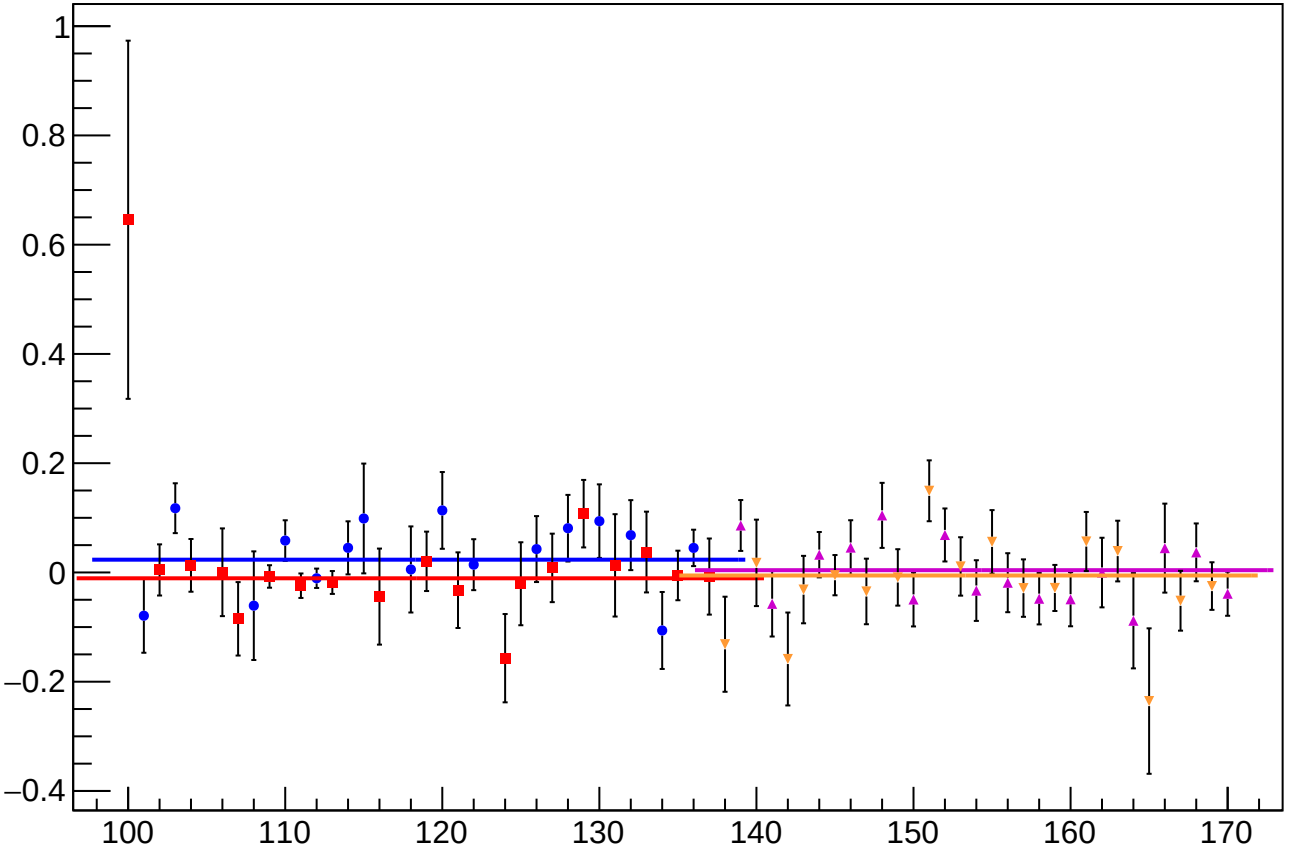
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4528991.2/31

Out: 0.001+/-0.000 χ^2/NDF:18443475.1/35

All: 0.001+/-0.000 χ^2/NDF: 29728530.1/67

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: -0.006+/-0.013 χ^2/NDF:21.1/16

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.013 χ^2/NDF:17.0/15

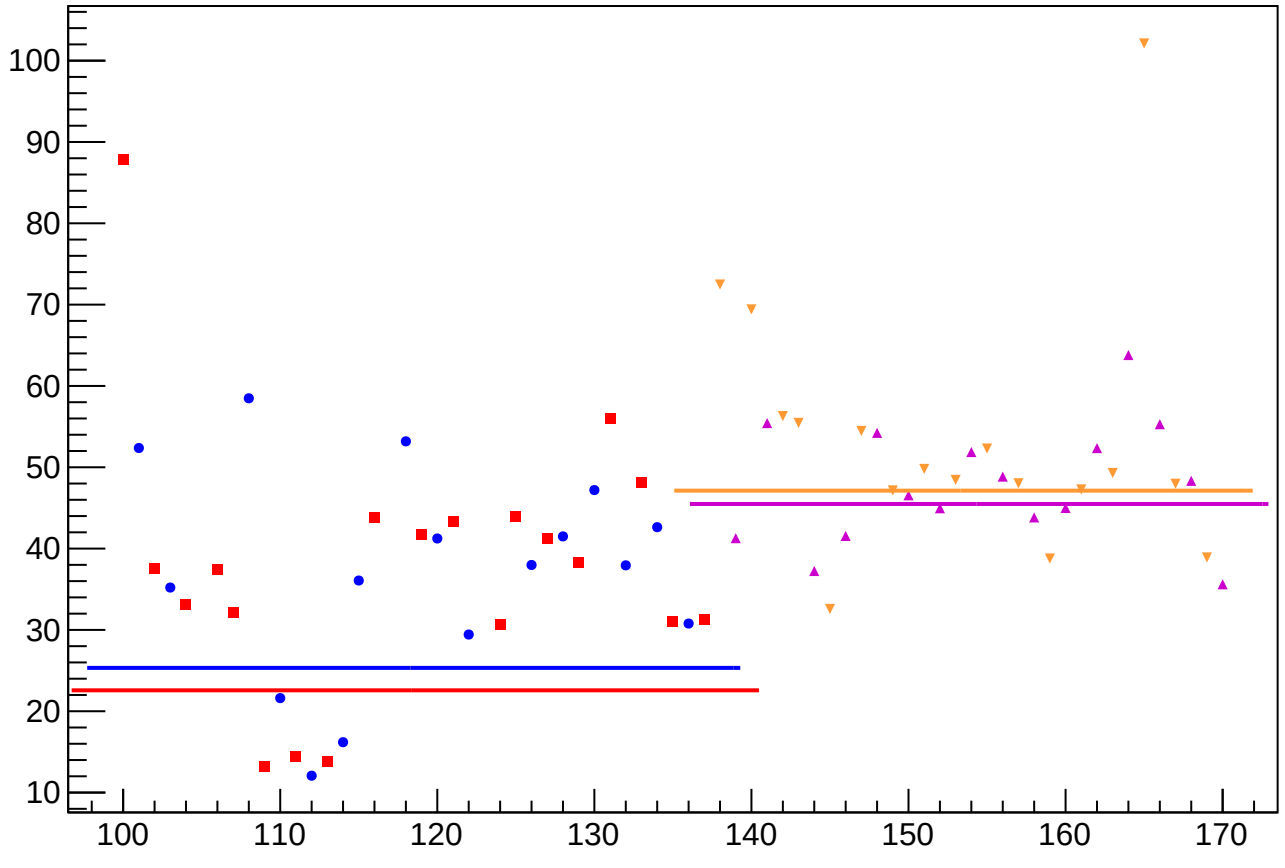
Left: -0.001+/-0.009 χ^2/NDF: 38.4/32

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/35

All: 0.002+/-0.006 χ^2/NDF: 78.8/67



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.126+/-0.009 χ^2/NDF:1246617.1/16

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.486+/-0.009 χ^2/NDF:509342.2/15

Left: 46.284+/-0.007 χ^2/NDF: 1771293.0/32

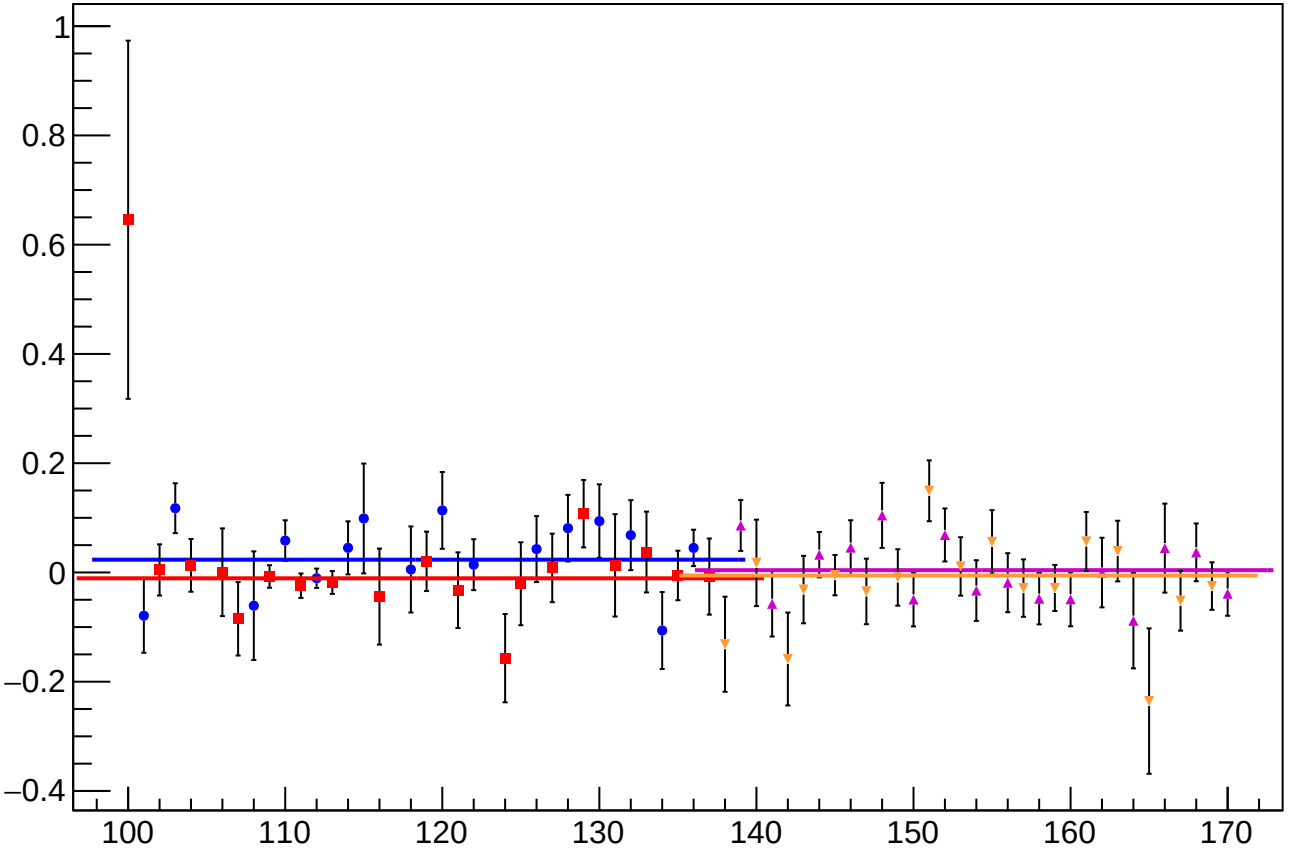
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.756+/-0.006 χ^2/NDF:6206493.4/31

Out: 31.117+/-0.006 χ^2/NDF:8754914.6/35

All: 32.351+/-0.004 χ^2/NDF: 15065421.6/67

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: -0.006+/-0.013 χ^2/NDF:21.1/16

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.013 χ^2/NDF:17.0/15

Left: -0.001+/-0.009 χ^2/NDF: 38.4/32

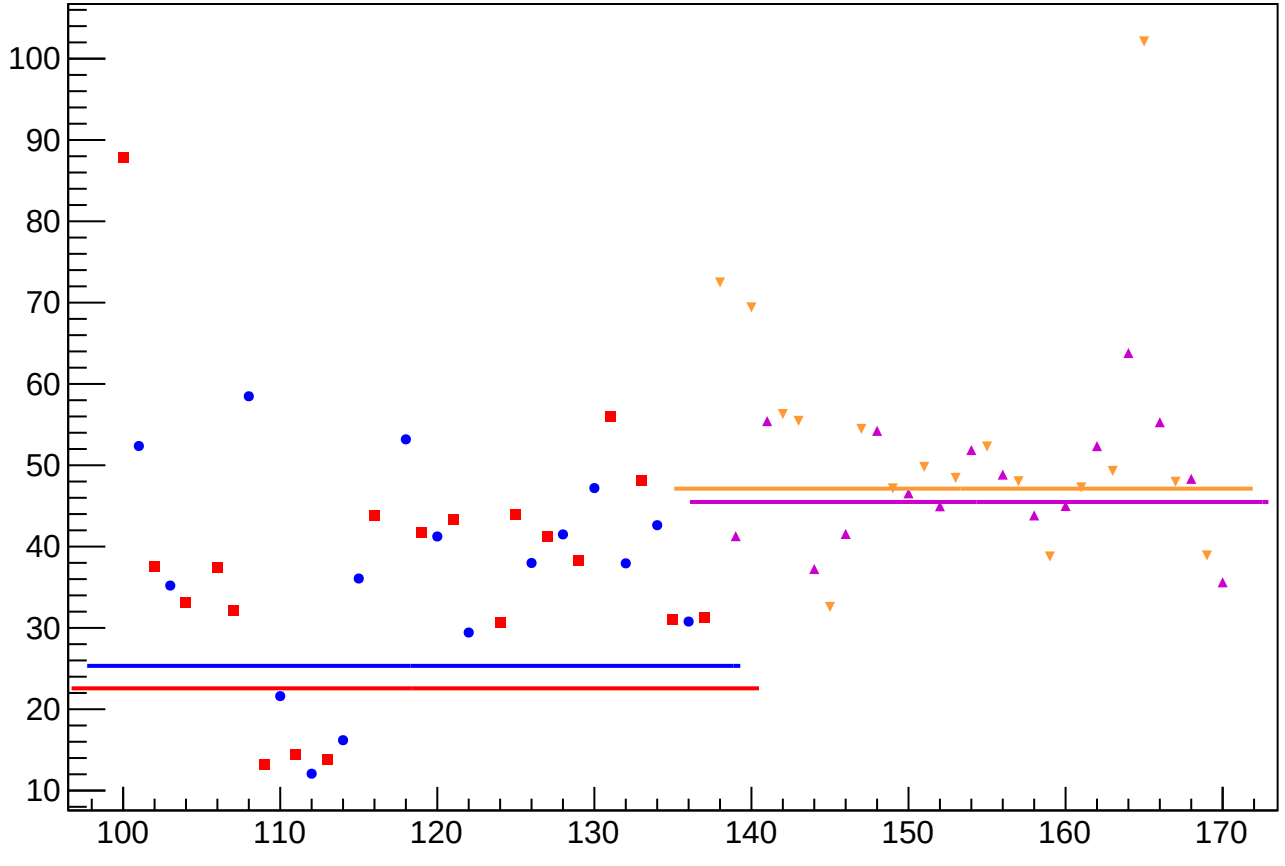
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/35

All: 0.002+/-0.006 χ^2/NDF: 78.8/67

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.126+/-0.009 χ^2/NDF:1246617.1/16

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.486+/-0.009 χ^2/NDF:509342.2/15

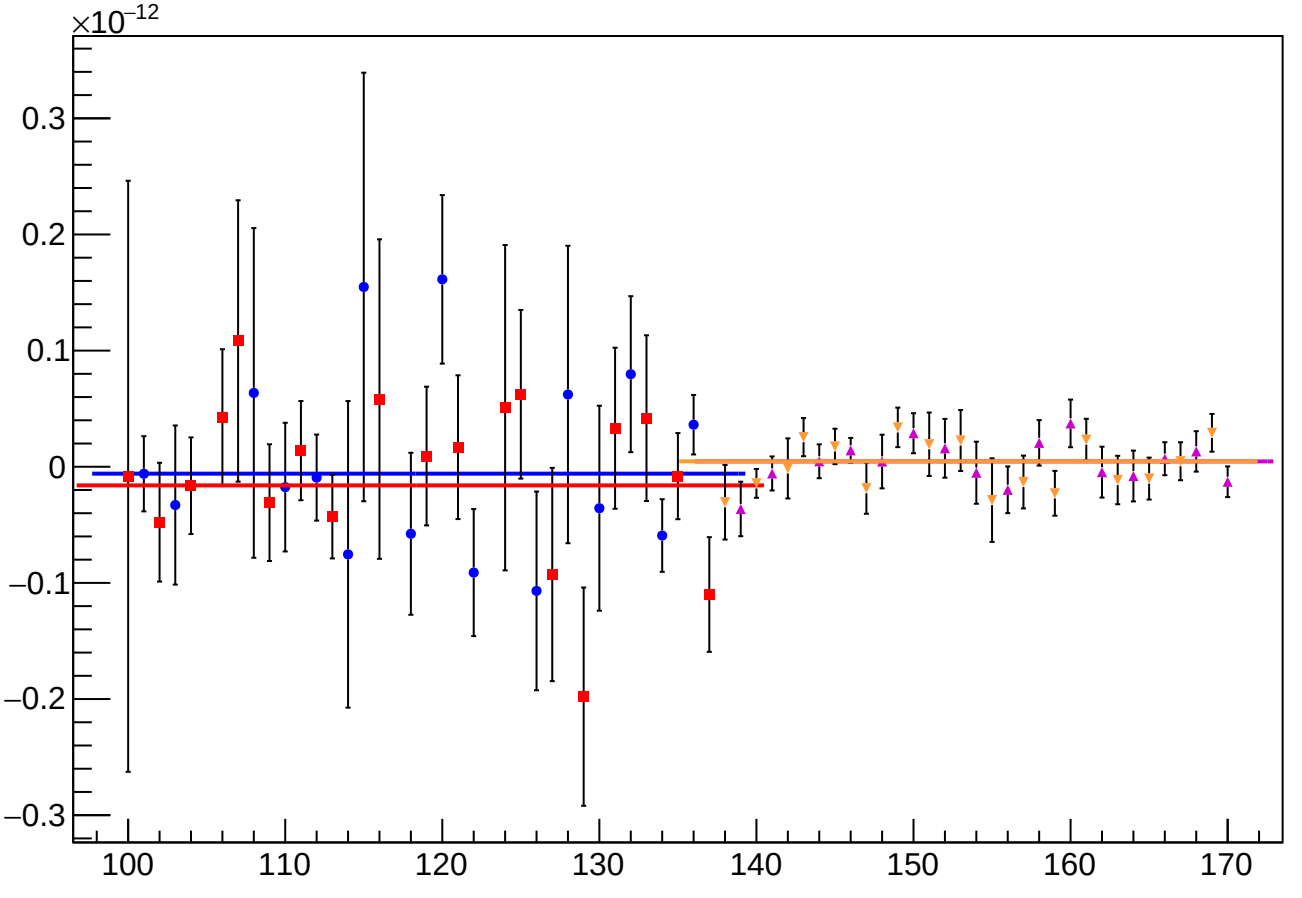
Left: 46.284+/-0.007 χ^2/NDF: 1771293.0/32

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.756+/-0.006 χ^2/NDF:6206493.4/31

Out: 31.117+/-0.006 χ^2/NDF:8754914.6/35

All: 32.351+/-0.004 χ^2/NDF: 15065421.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/15

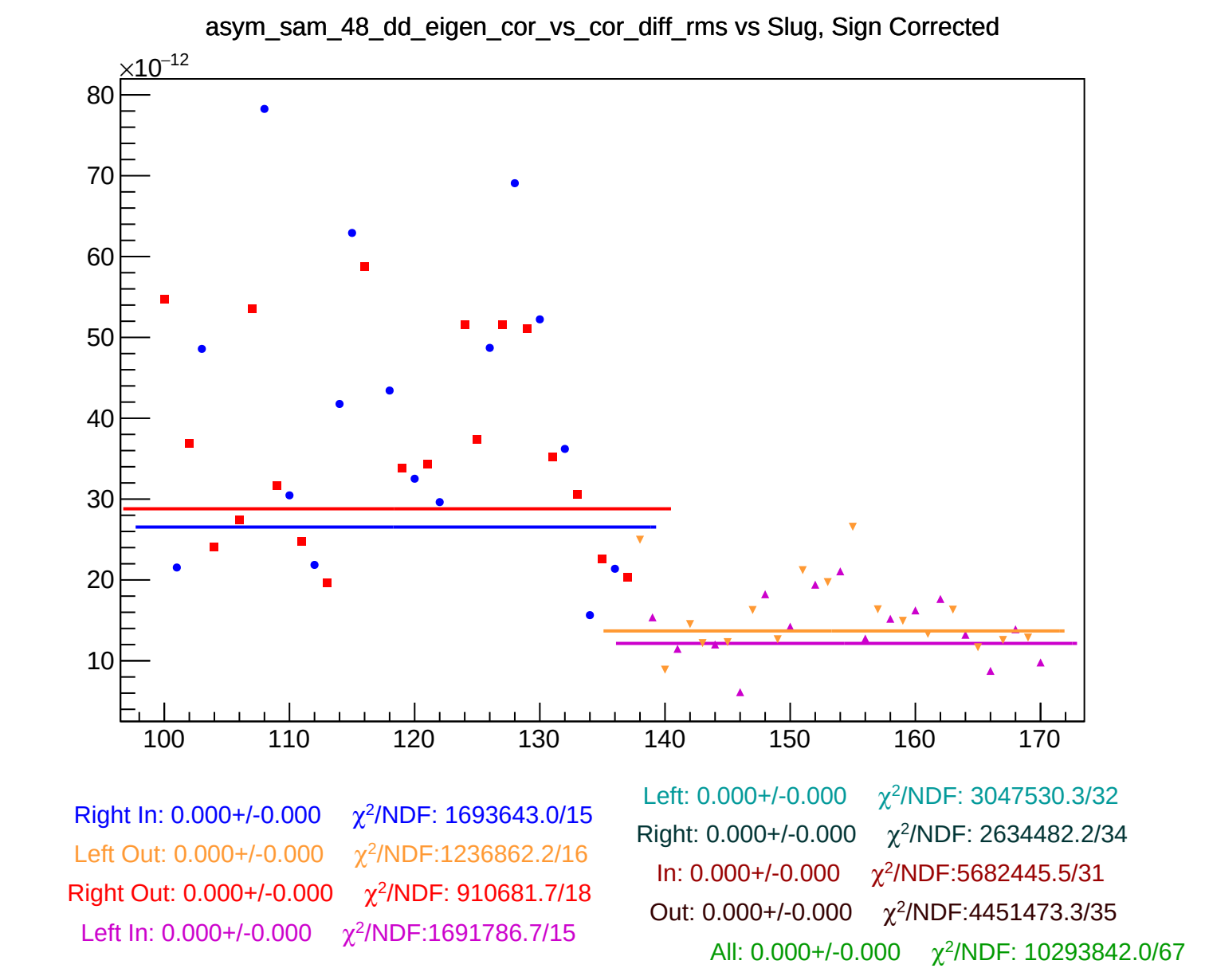
Left: 0.000+/-0.000 χ^2/NDF: 32.8/32

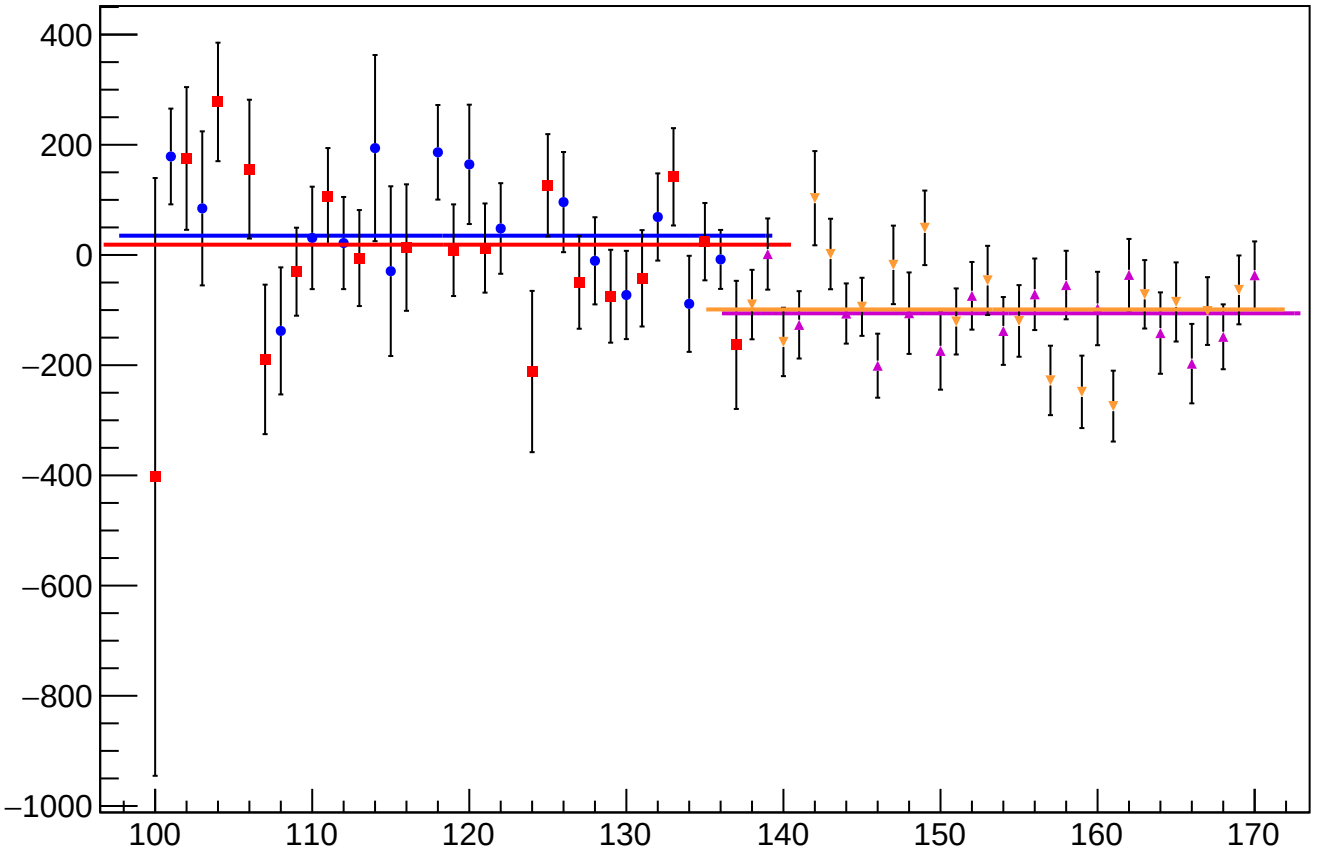
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/31

Out: 0.000+/-0.000 χ^2/NDF:36.0/35

All: 0.000+/-0.000 χ^2/NDF: 69.4/67


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:1236862.2/16
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1691786.7/15
Left: 0.000+/-0.000 χ²/NDF: 3047530.3/32
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5682445.5/31
Out: 0.000+/-0.000 χ²/NDF:4451473.3/35
All: 0.000+/-0.000 χ²/NDF: 10293842.0/67



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -98.818+/-15.549 χ^2/NDF:33.4/16

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -105.879+/-15.934 χ^2/NDF:12.8/15

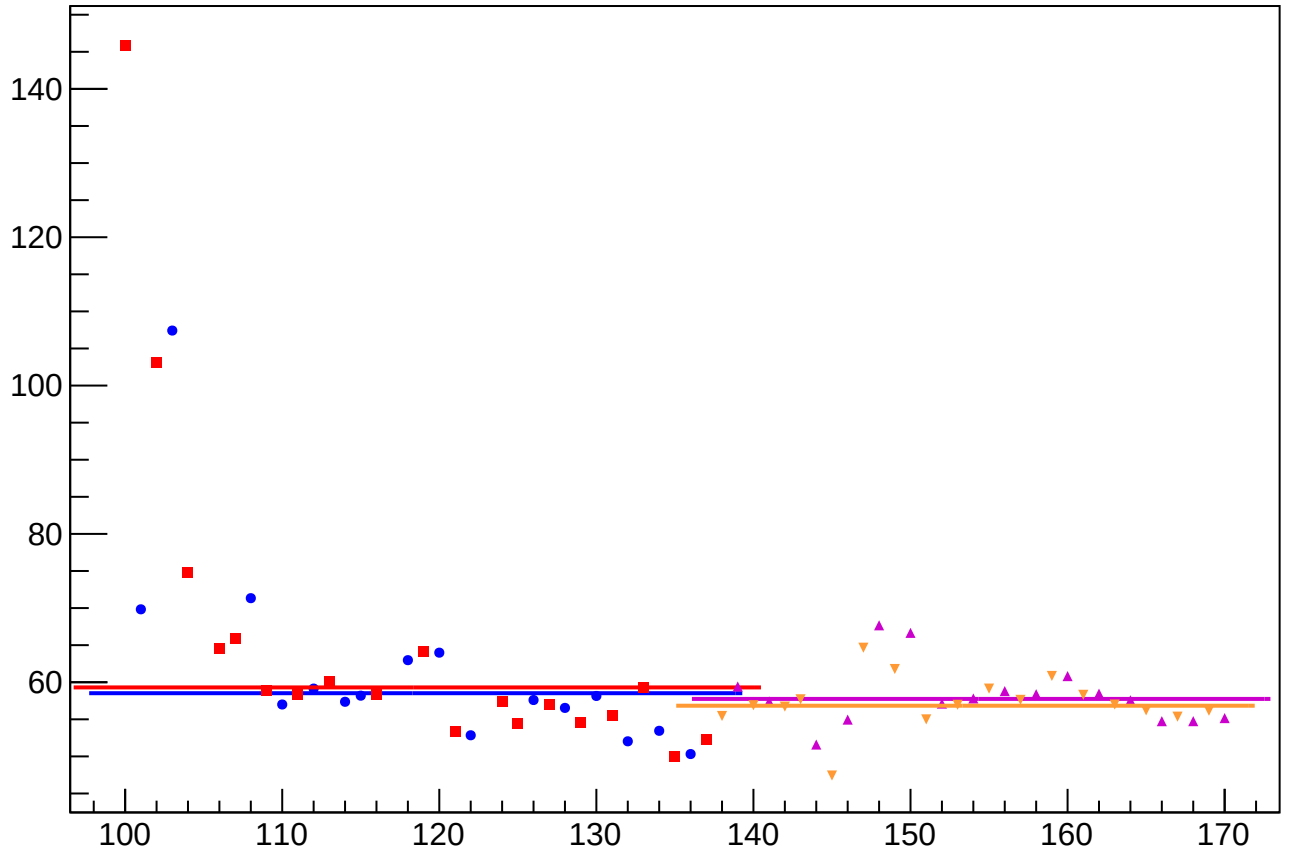
Left: -102.262+/-11.129 χ^2/NDF: 46.3/32

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -57.785+/-12.932 χ^2/NDF:55.7/31

Out: -59.996+/-12.724 χ^2/NDF:75.7/35

All: -58.908+/-9.070 χ^2/NDF: 131.4/67



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.835+/-0.011 χ^2/NDF:114683.6/16

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

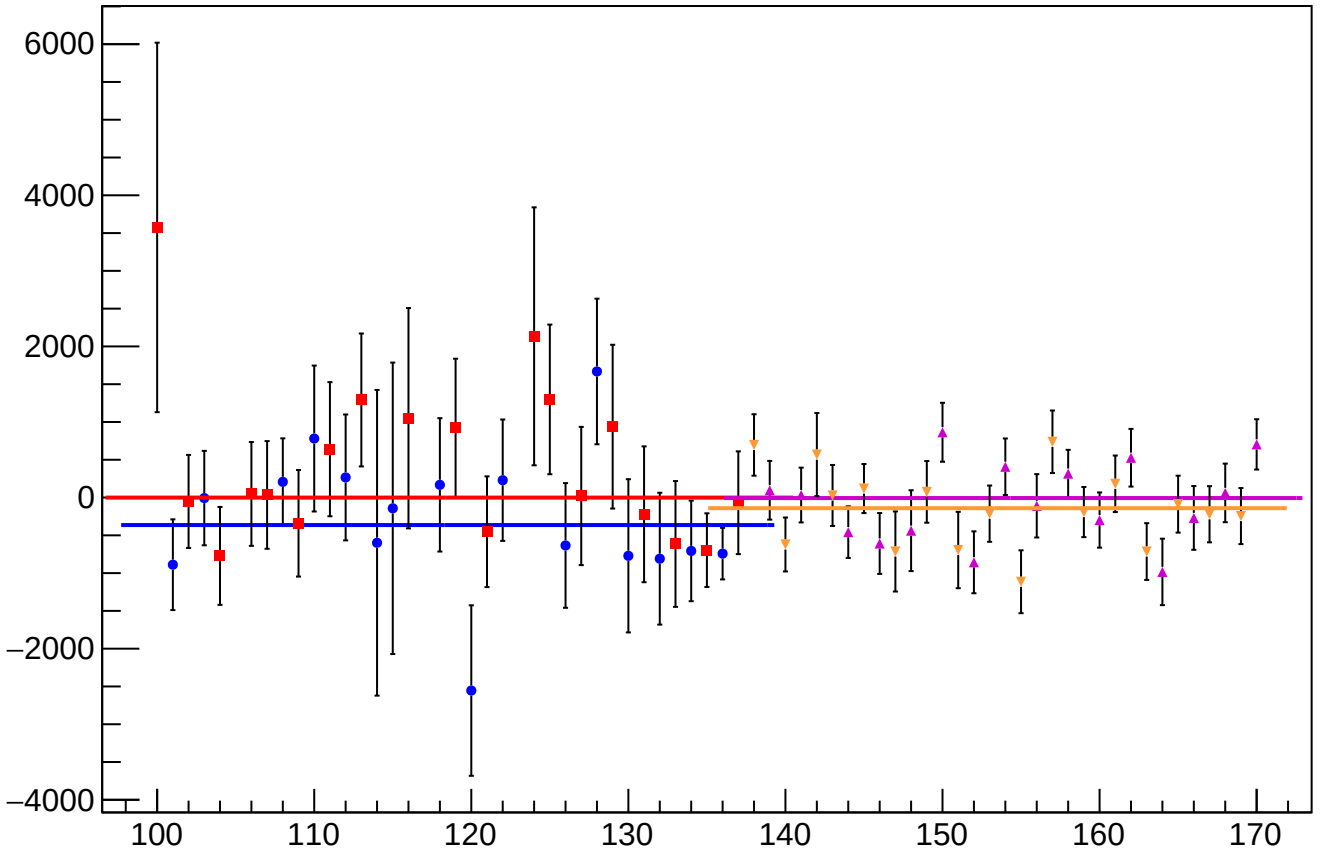
Left: 57.282+/-0.008 χ^2/NDF: 235155.0/32

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.014+/-0.009 χ^2/NDF:511429.3/31

Out: 57.650+/-0.009 χ^2/NDF:537915.6/35

All: 57.829+/-0.006 χ^2/NDF: 1050150.0/67



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -140.593+/-95.332 χ^2/NDF:24.4/16

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -6.662+/-95.907 χ^2/NDF:28.8/15

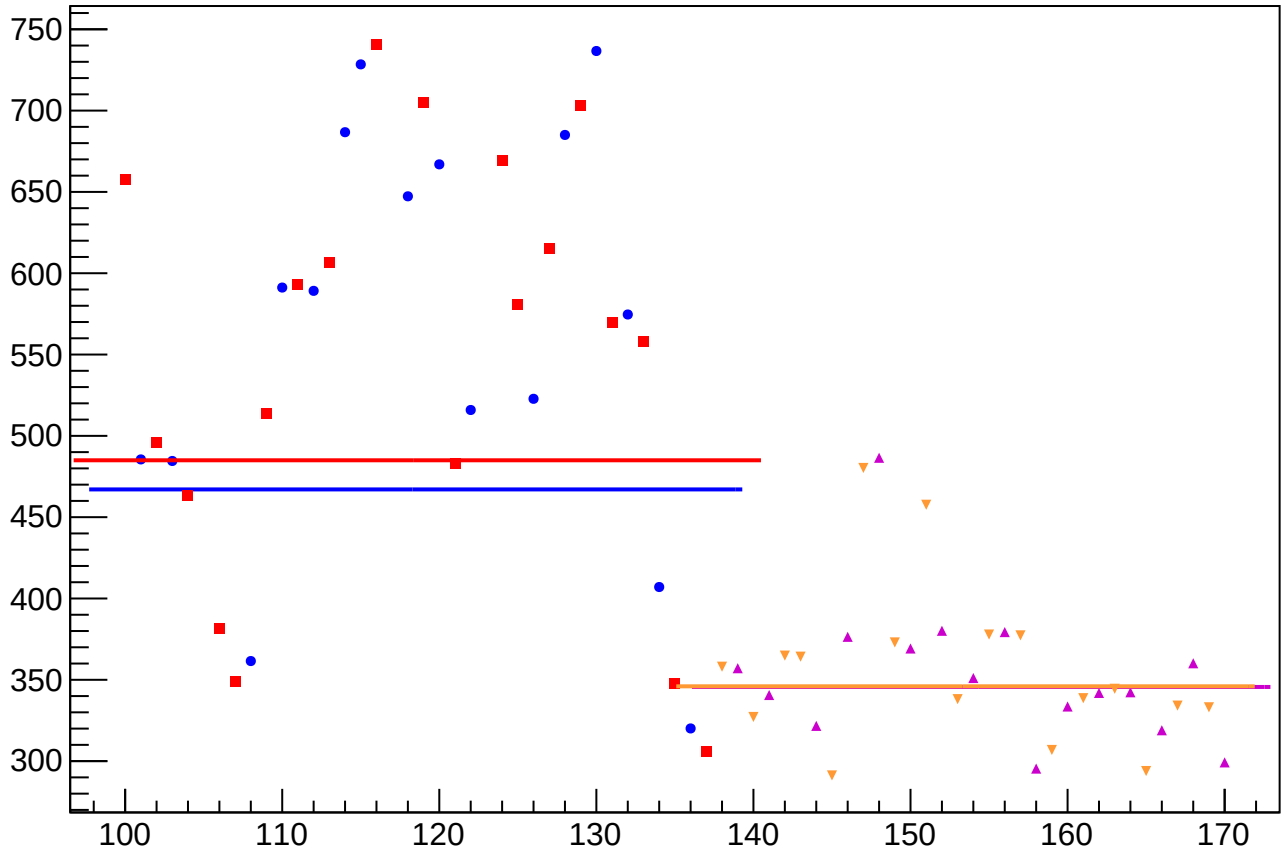
Left: -74.031+/-67.612 χ^2/NDF: 54.3/32

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -85.284+/-84.704 χ^2/NDF:47.1/31

Out: -110.727+/-84.556 χ^2/NDF:40.0/35

All: -98.028+/-59.842 χ^2/NDF: 87.1/67



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 345.994+/-0.067 χ^2/NDF:400898.9/16

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 345.596+/-0.068 χ^2/NDF:300319.2/15

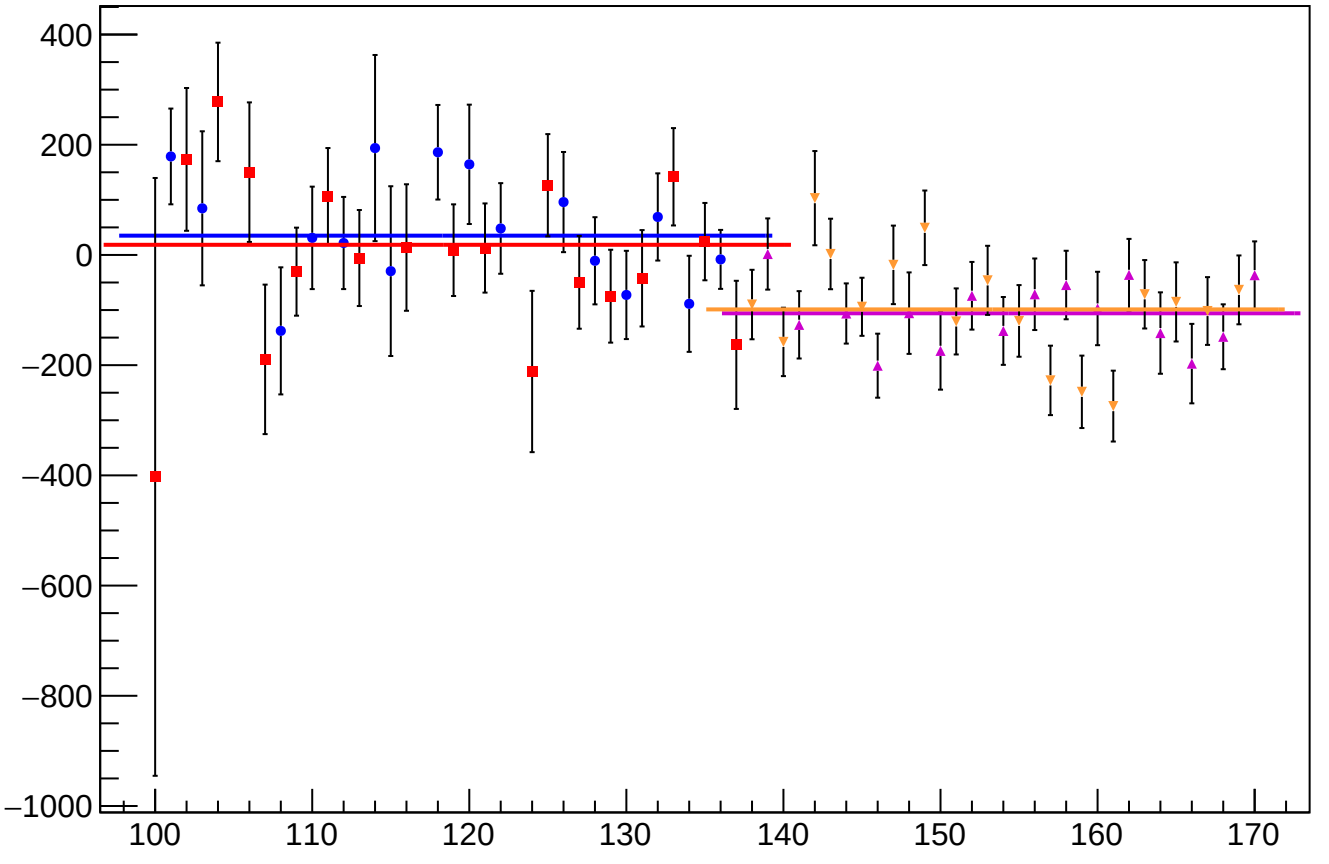
Left: 345.796+/-0.048 χ^2/NDF: 701235.3/32

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 372.317+/-0.060 χ^2/NDF:2036348.7/31

Out: 375.639+/-0.060 χ^2/NDF:2181749.6/35

All: 373.981+/-0.042 χ^2/NDF: 4219639.8/67



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -98.816+/-15.549 χ^2/NDF:33.4/16

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.880+/-15.934 χ^2/NDF:12.8/15

Left: -102.262+/-11.129 χ^2/NDF: 46.3/32

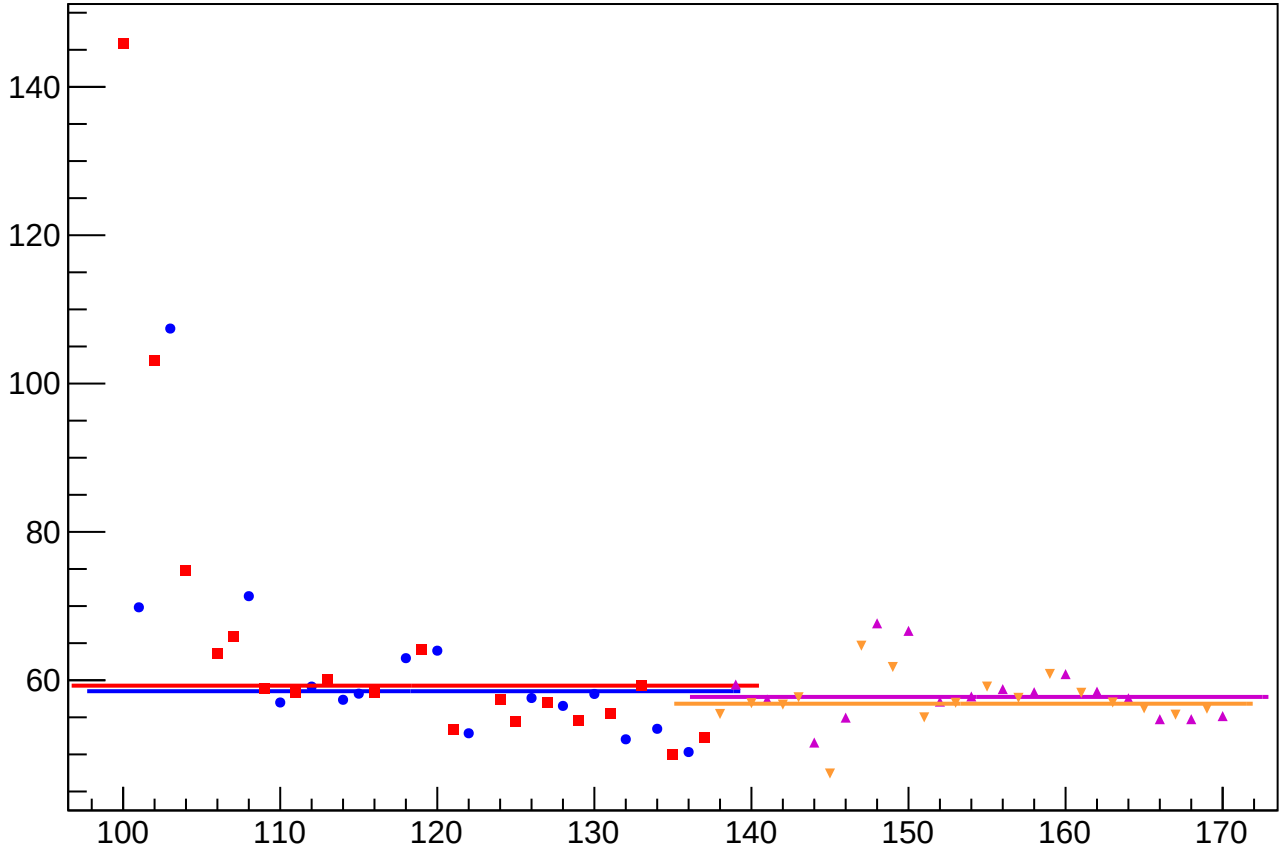
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -57.786+/-12.932 χ^2/NDF:55.7/31

Out: -60.095+/-12.725 χ^2/NDF:75.5/35

All: -58.959+/-9.070 χ^2/NDF: 131.2/67

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.835+/-0.011 χ^2/NDF:114683.6/16

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

Left: 57.282+/-0.008 χ^2/NDF: 235155.0/32

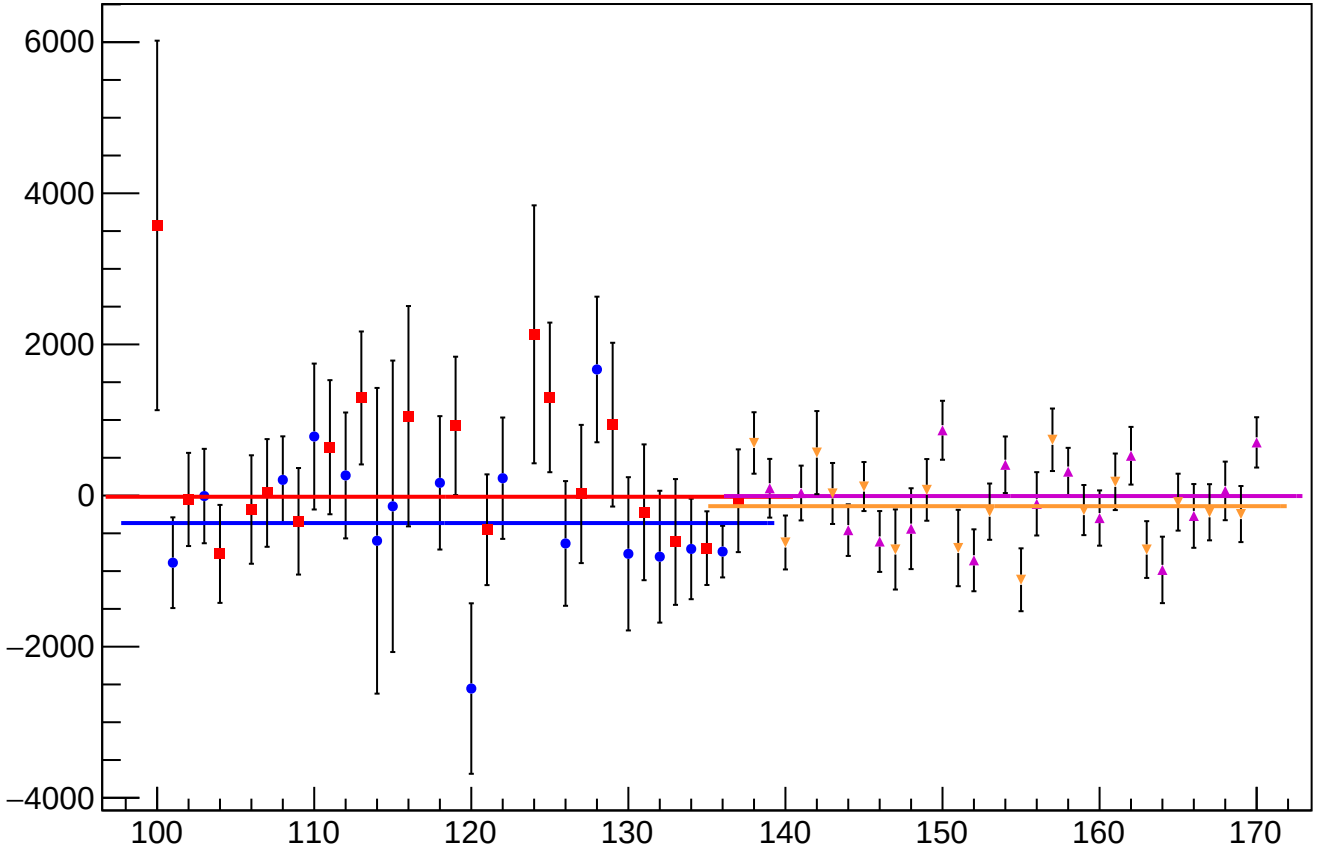
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.014+/-0.009 χ^2/NDF:511431.4/31

Out: 57.639+/-0.009 χ^2/NDF:536490.1/35

All: 57.824+/-0.006 χ^2/NDF: 1048774.7/67

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -140.593+/-95.332 χ^2/NDF:24.4/16

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -6.663+/-95.907 χ^2/NDF:28.8/15

Left: -74.031+/-67.612 χ^2/NDF: 54.2/32

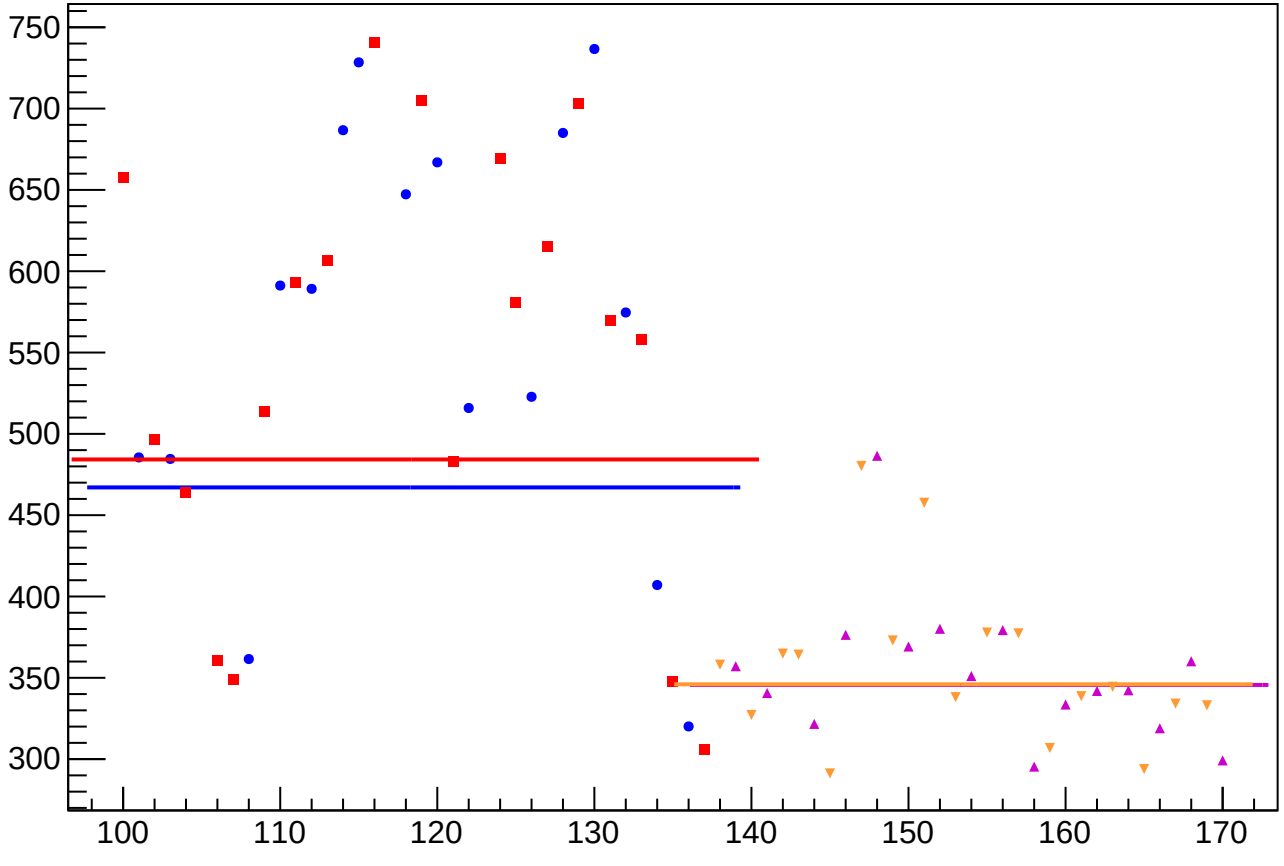
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -85.276+/-84.704 χ^2/NDF:47.1/31

Out: -114.165+/-84.611 χ^2/NDF:39.9/35

All: -99.736+/-59.862 χ^2/NDF: 87.1/67

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: 345.994+/-0.067 χ^2/NDF:400898.6/16

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 345.596+/-0.068 χ^2/NDF:300320.8/15

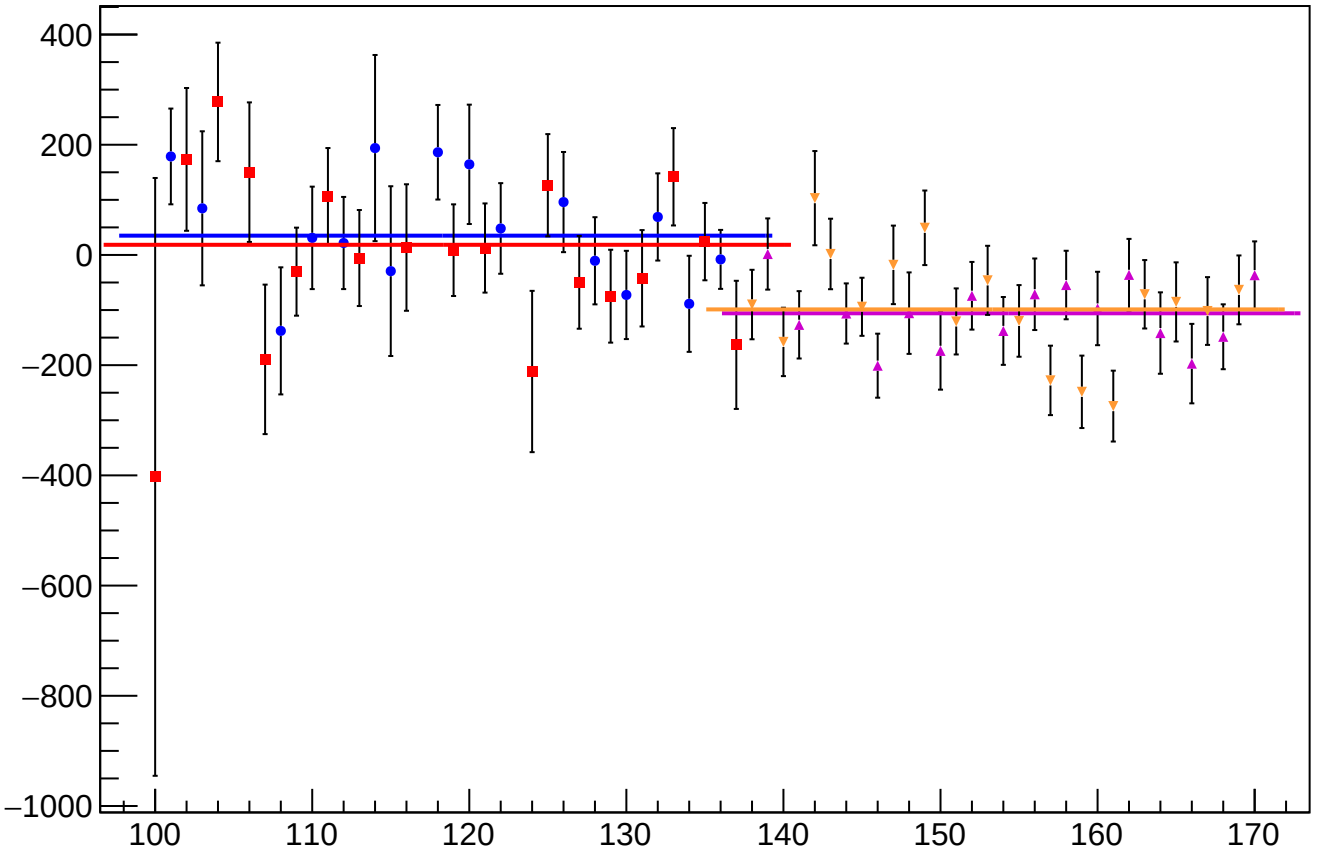
Left: 345.797+/-0.048 χ^2/NDF: 701236.8/32

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 372.317+/-0.060 χ^2/NDF:2036375.3/31

Out: 375.346+/-0.060 χ^2/NDF:2182884.2/35

All: 373.833+/-0.042 χ^2/NDF: 4220539.2/67



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -98.816+/-15.549 χ^2/NDF:33.4/16

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.880+/-15.934 χ^2/NDF:12.8/15

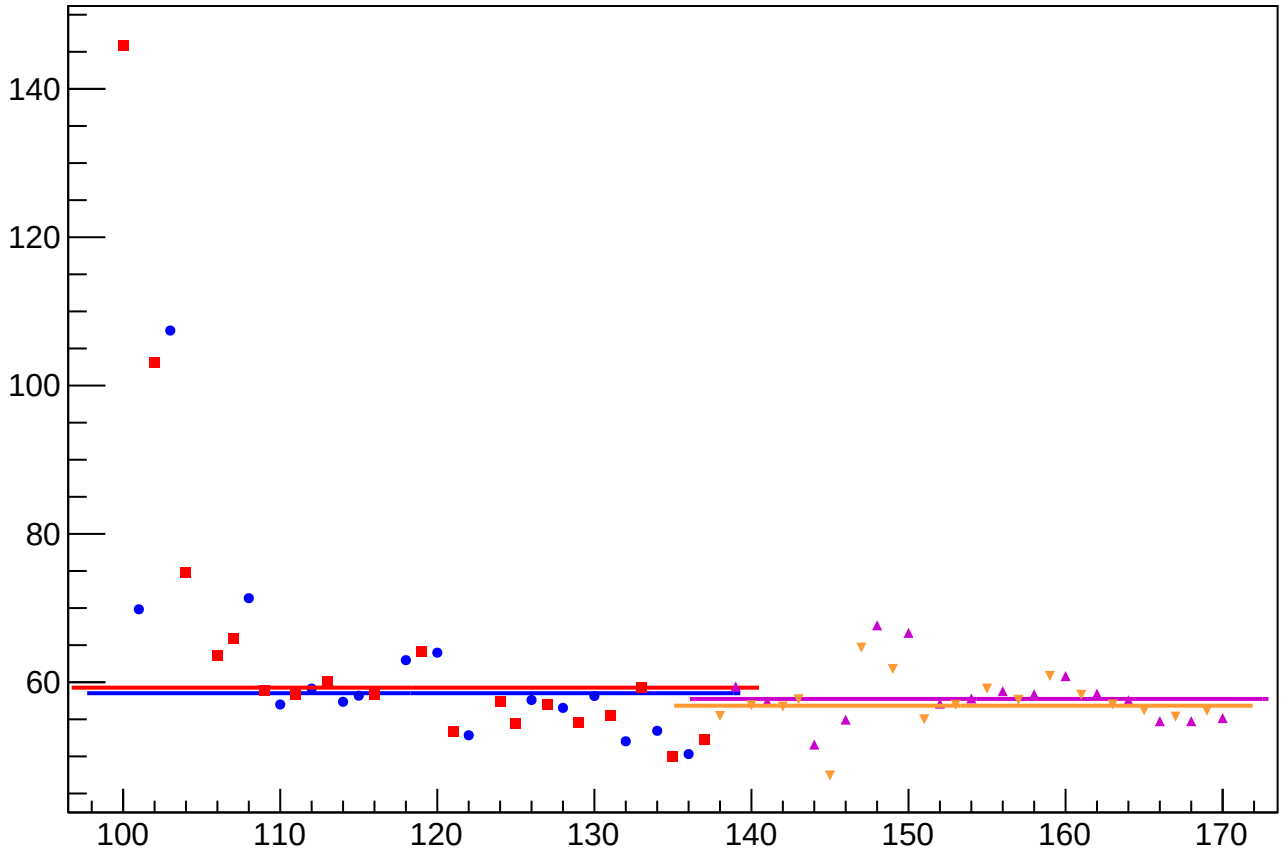
Left: -102.262+/-11.129 χ^2/NDF: 46.3/32

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -57.786+/-12.932 χ^2/NDF:55.7/31

Out: -60.095+/-12.725 χ^2/NDF:75.5/35

All: -58.959+/-9.070 χ^2/NDF: 131.2/67



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.835+/-0.011 χ^2/NDF:114683.6/16

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

Left: 57.282+/-0.008 χ^2/NDF: 235155.0/32

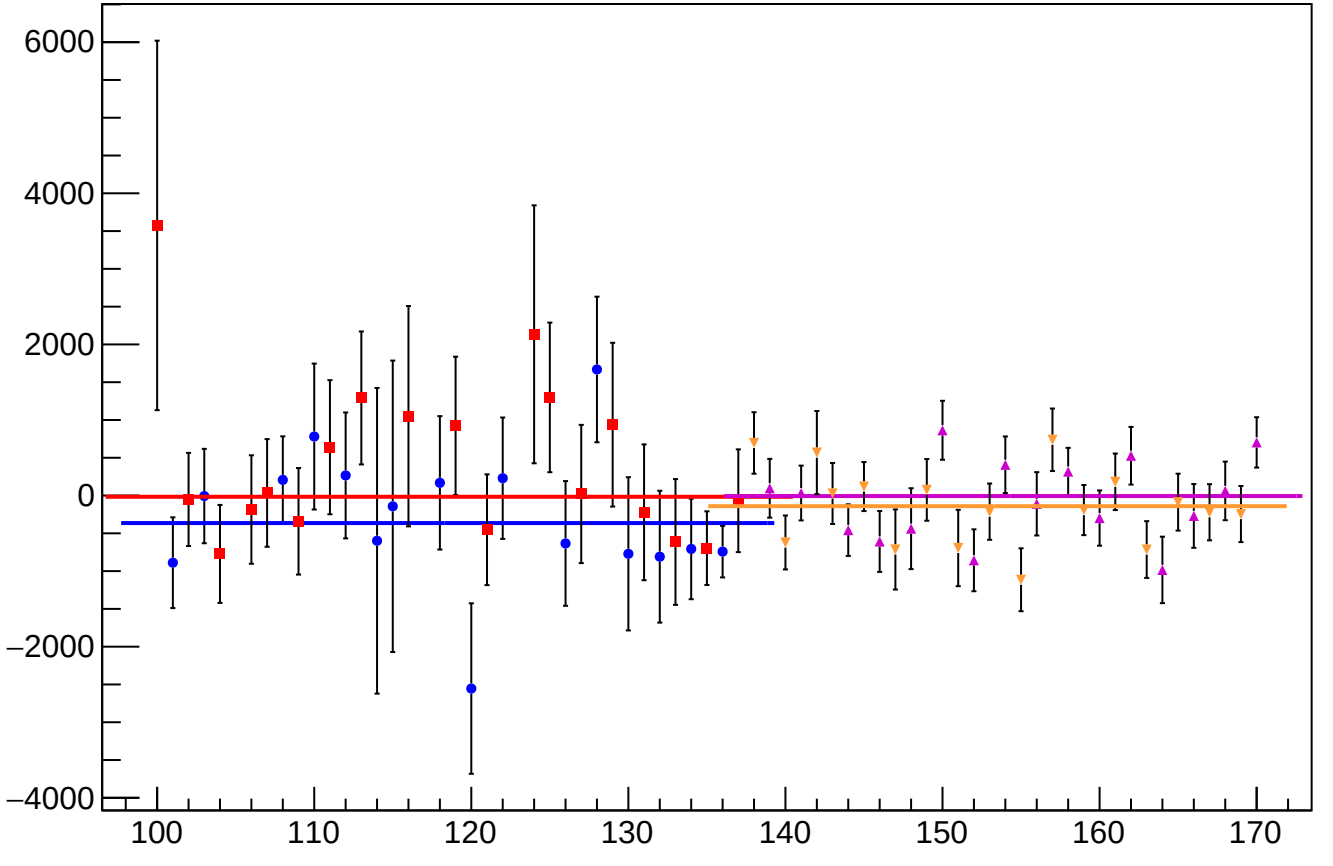
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.014+/-0.009 χ^2/NDF:511431.4/31

Out: 57.639+/-0.009 χ^2/NDF:536490.1/35

All: 57.824+/-0.006 χ^2/NDF: 1048774.7/67

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: -140.593+/-95.332 χ^2/NDF:24.4/16

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -6.663+/-95.907 χ^2/NDF:28.8/15

Left: -74.031+/-67.612 χ^2/NDF: 54.2/32

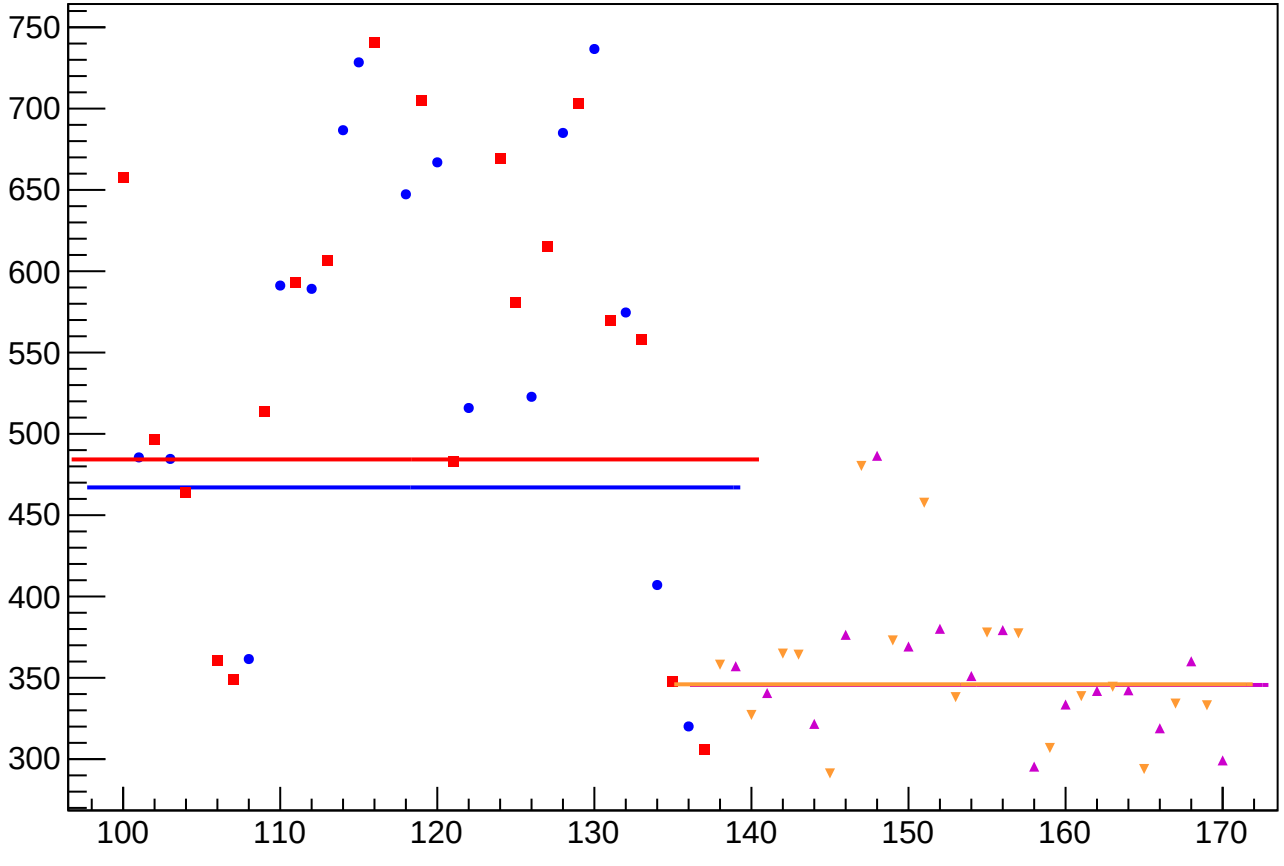
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -85.276+/-84.704 χ^2/NDF:47.1/31

Out: -114.165+/-84.611 χ^2/NDF:39.9/35

All: -99.736+/-59.862 χ^2/NDF: 87.1/67

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: 345.994+/-0.067 χ^2/NDF:400898.6/16

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 345.596+/-0.068 χ^2/NDF:300320.8/15

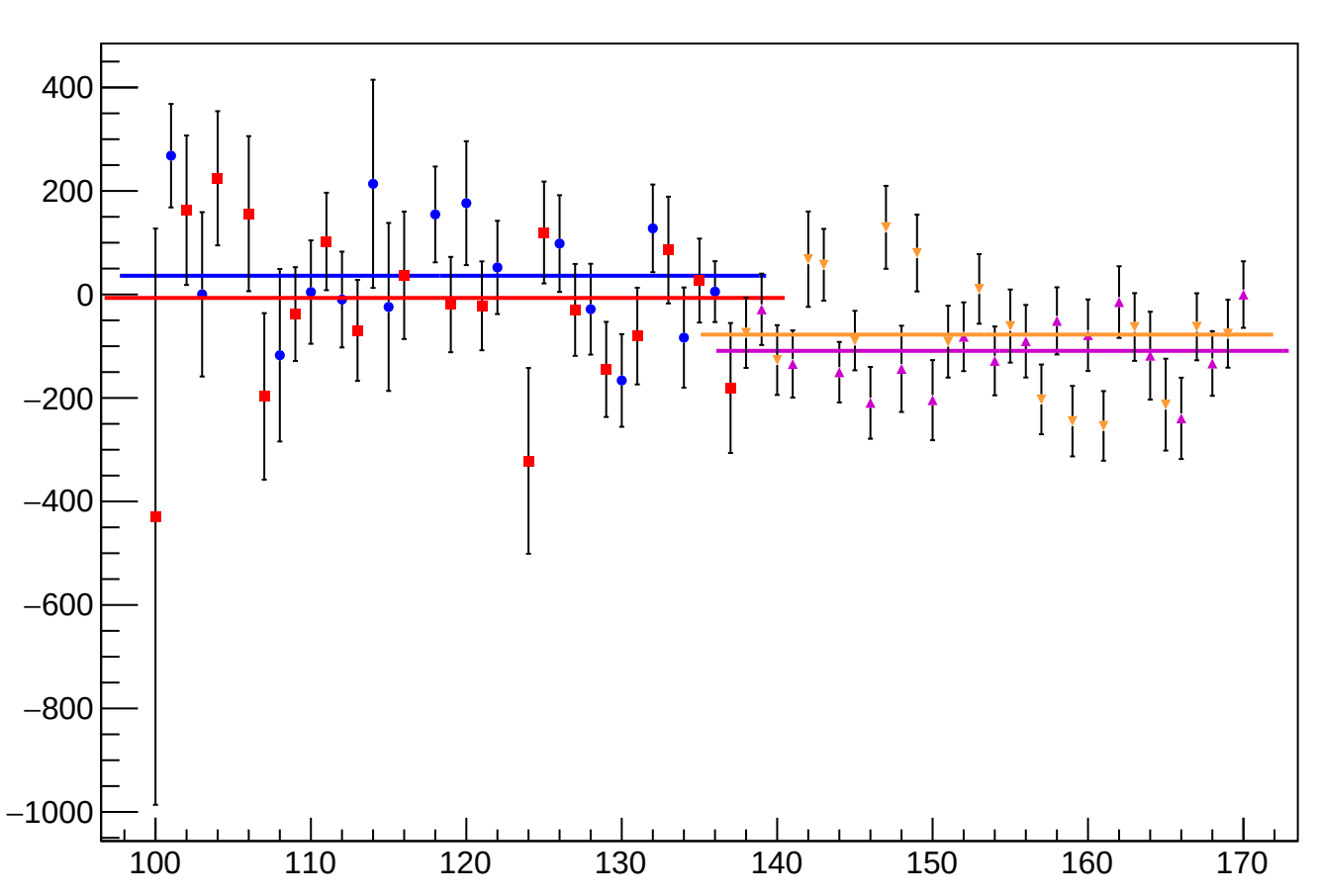
Left: 345.797+/-0.048 χ^2/NDF: 701236.8/32

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 372.317+/-0.060 χ^2/NDF:2036375.3/31

Out: 375.346+/-0.060 χ^2/NDF:2182884.2/35

All: 373.833+/-0.042 χ^2/NDF: 4220539.2/67



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.548+/-16.850 χ^2/NDF:38.7/16

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.969+/-17.227 χ^2/NDF:14.7/15

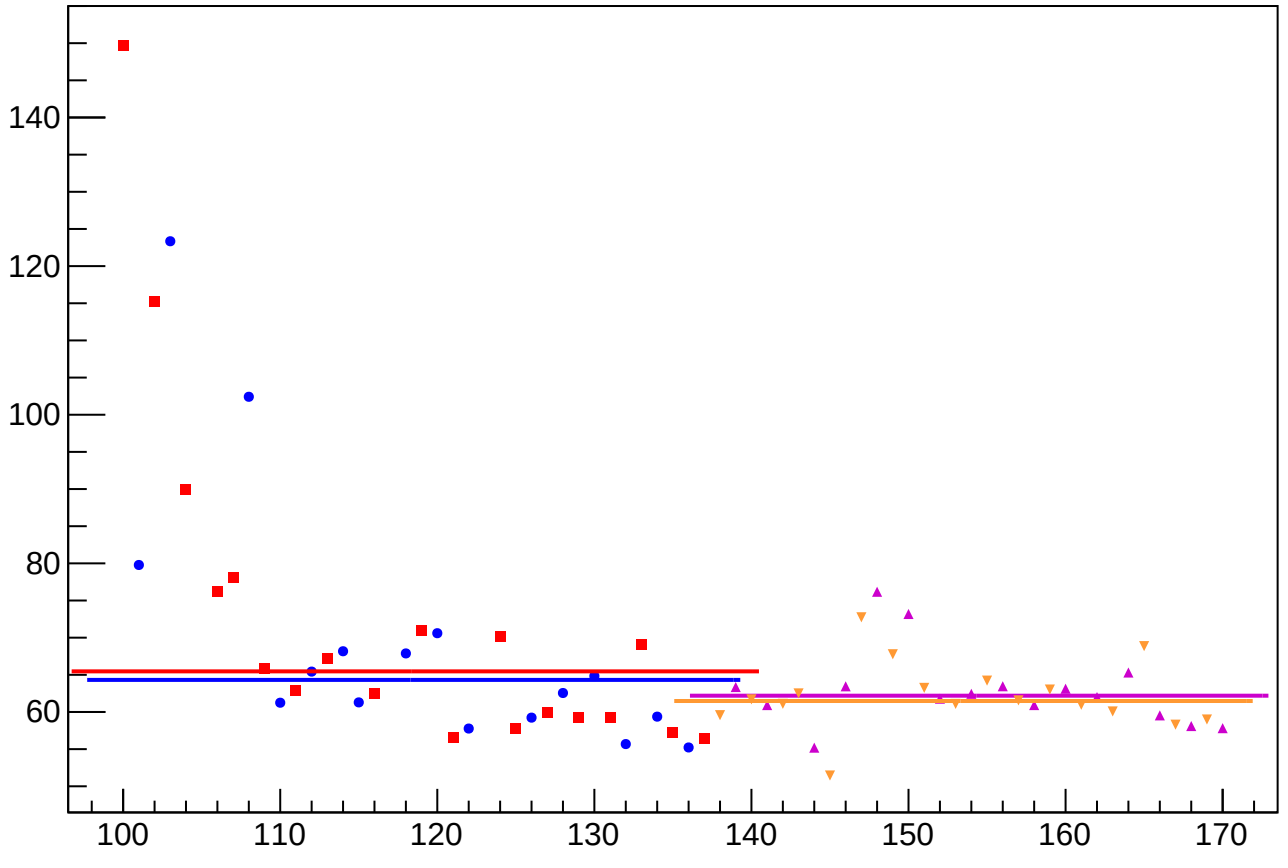
Left: -92.911+/-12.046 χ^2/NDF: 55.1/32

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.882+/-14.086 χ^2/NDF:57.9/31

Out: -54.889+/-13.895 χ^2/NDF:64.7/35

All: -57.845+/-9.892 χ^2/NDF: 122.7/67



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.477+/-0.012 χ^2/NDF:144831.4/16

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.192+/-0.012 χ^2/NDF:152052.6/15

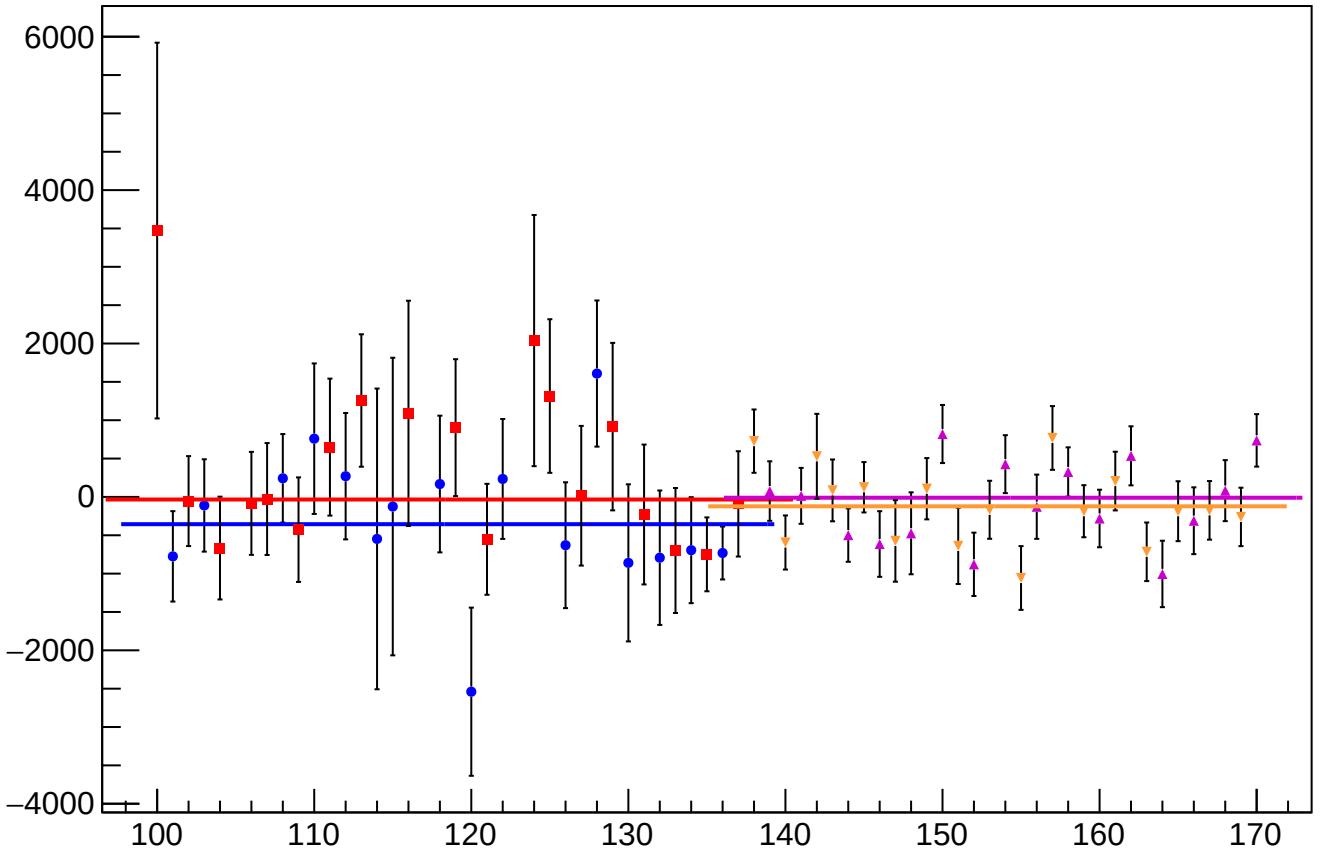
Left: 61.826+/-0.009 χ^2/NDF: 298645.3/32

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.896+/-0.010 χ^2/NDF:694196.0/31

Out: 62.753+/-0.010 χ^2/NDF:663061.5/35

All: 62.824+/-0.007 χ^2/NDF: 1357361.4/67



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -122.585+/-96.358 χ^2/NDF:23.4/16

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -10.472+/-97.155 χ^2/NDF:29.6/15

Left: -66.990+/-68.415 χ^2/NDF: 53.7/32

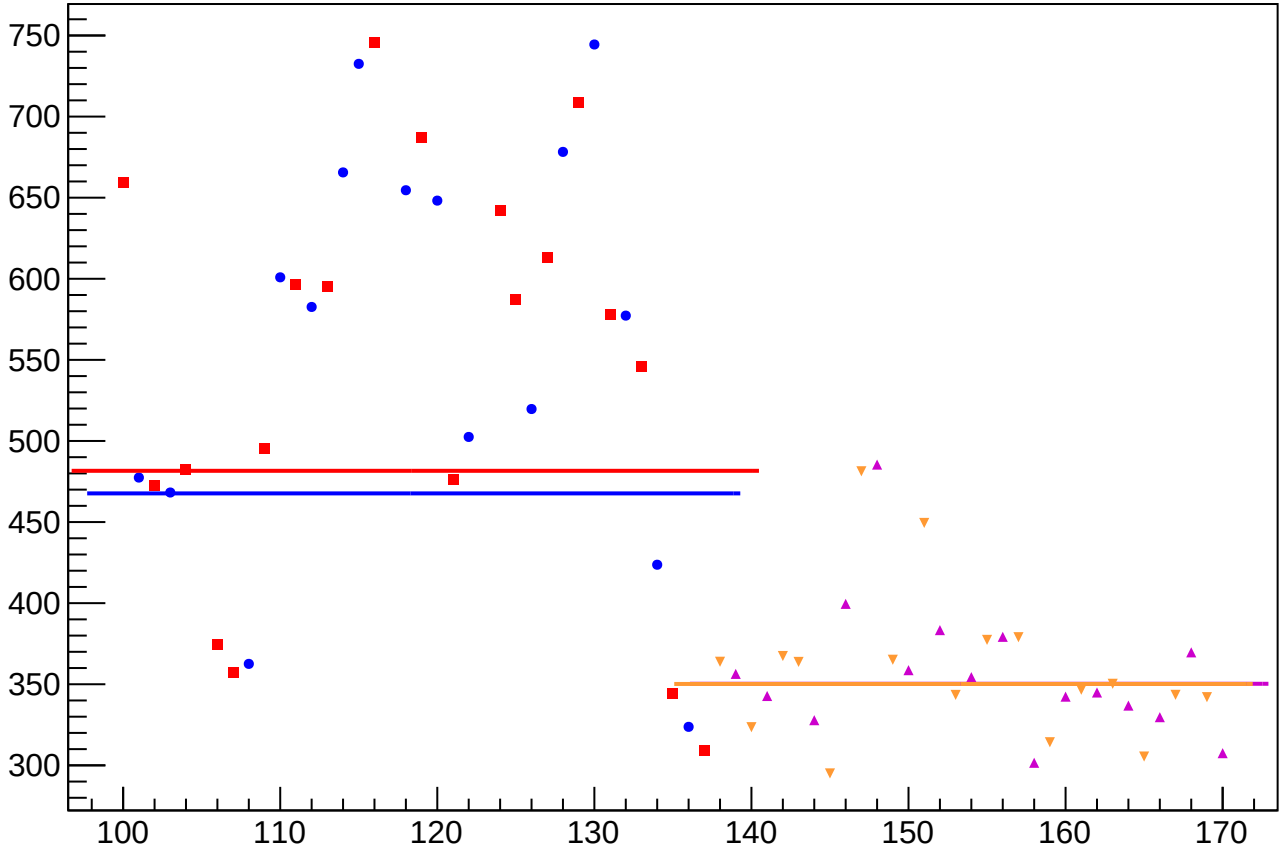
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -88.095+/-85.532 χ^2/NDF:47.2/31

Out: -103.070+/-85.114 χ^2/NDF:39.0/35

All: -95.619+/-60.332 χ^2/NDF: 86.3/67

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.180+/-0.068 χ^2/NDF:347832.7/16

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 350.291+/-0.069 χ^2/NDF:277531.5/15

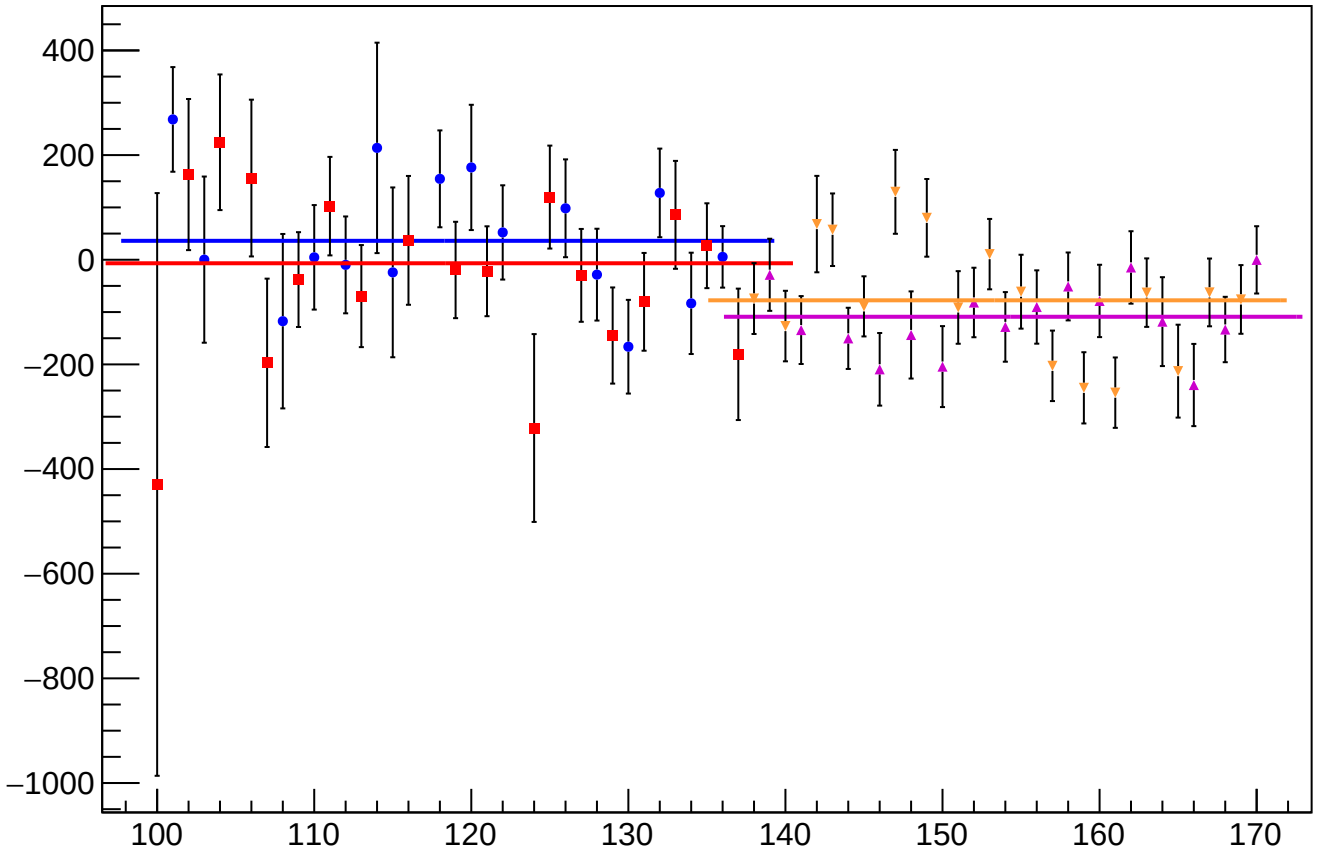
Left: 350.235+/-0.048 χ^2/NDF: 625365.6/32

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 376.697+/-0.060 χ^2/NDF:1920245.9/31

Out: 379.061+/-0.060 χ^2/NDF:2019700.9/35

All: 377.885+/-0.043 χ^2/NDF: 3940714.5/67



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -77.547+/-16.850 χ^2/NDF:38.7/16

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.969+/-17.227 χ^2/NDF:14.7/15

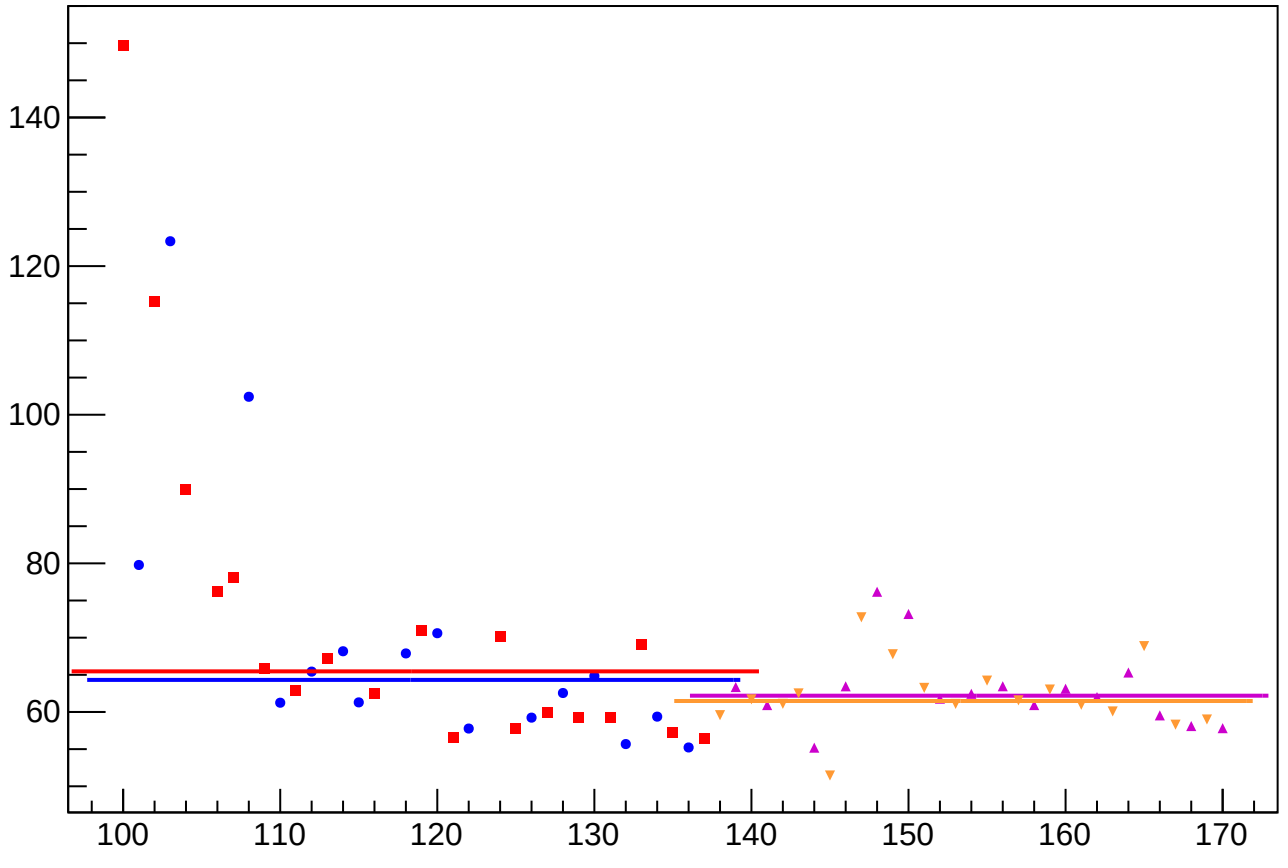
Left: -92.911+/-12.046 χ^2/NDF: 55.1/32

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.882+/-14.086 χ^2/NDF:57.9/31

Out: -54.889+/-13.895 χ^2/NDF:64.7/35

All: -57.845+/-9.892 χ^2/NDF: 122.7/67



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.477+/-0.012 χ^2/NDF:144835.6/16

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.192+/-0.012 χ^2/NDF:152056.3/15

Left: 61.826+/-0.009 χ^2/NDF: 298653.2/32

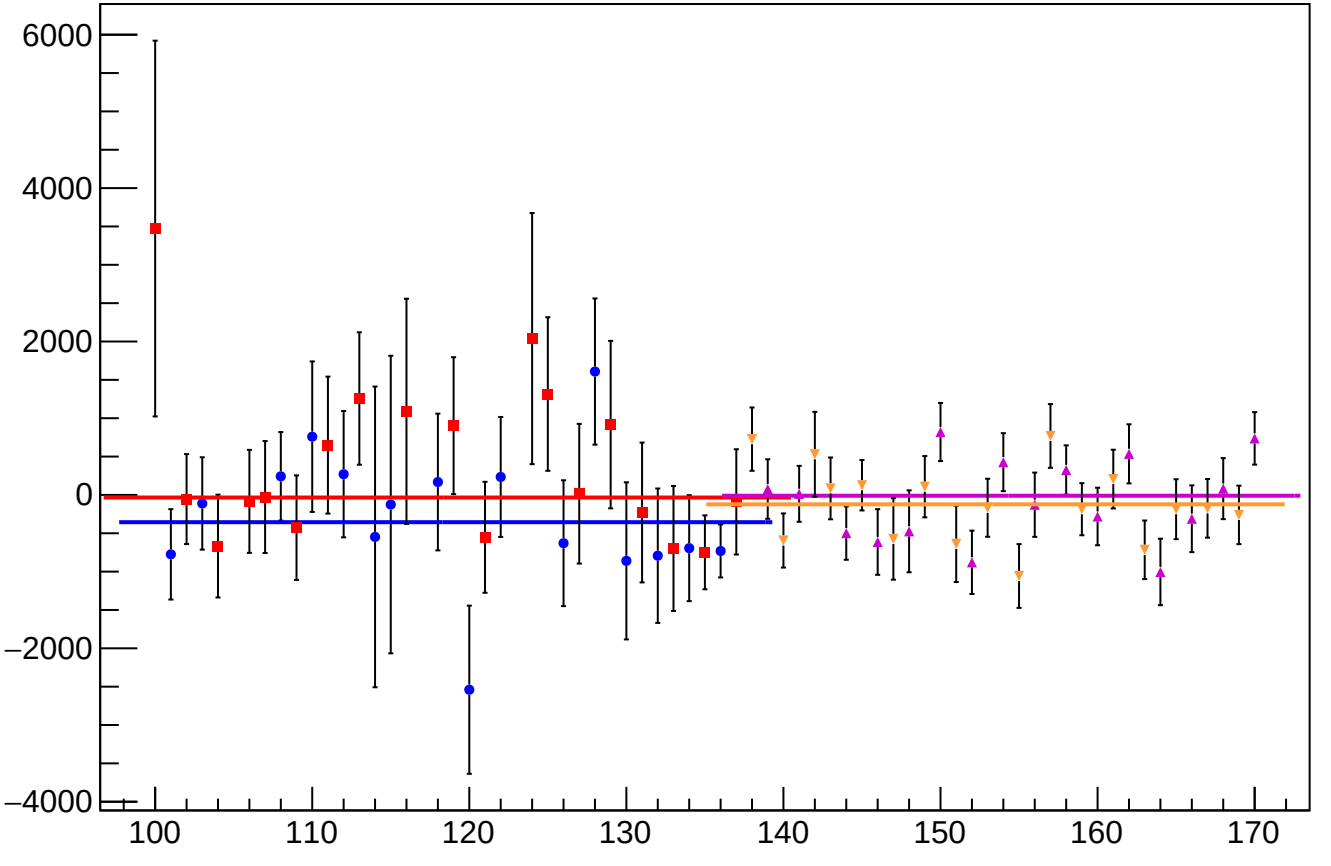
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.896+/-0.010 χ^2/NDF:694207.0/31

Out: 62.753+/-0.010 χ^2/NDF:663069.1/35

All: 62.824+/-0.007 χ^2/NDF: 1357379.9/67

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -122.585+/-96.358 χ^2/NDF:23.4/16

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -10.472+/-97.155 χ^2/NDF:29.6/15

Left: -66.990+/-68.415 χ^2/NDF: 53.7/32

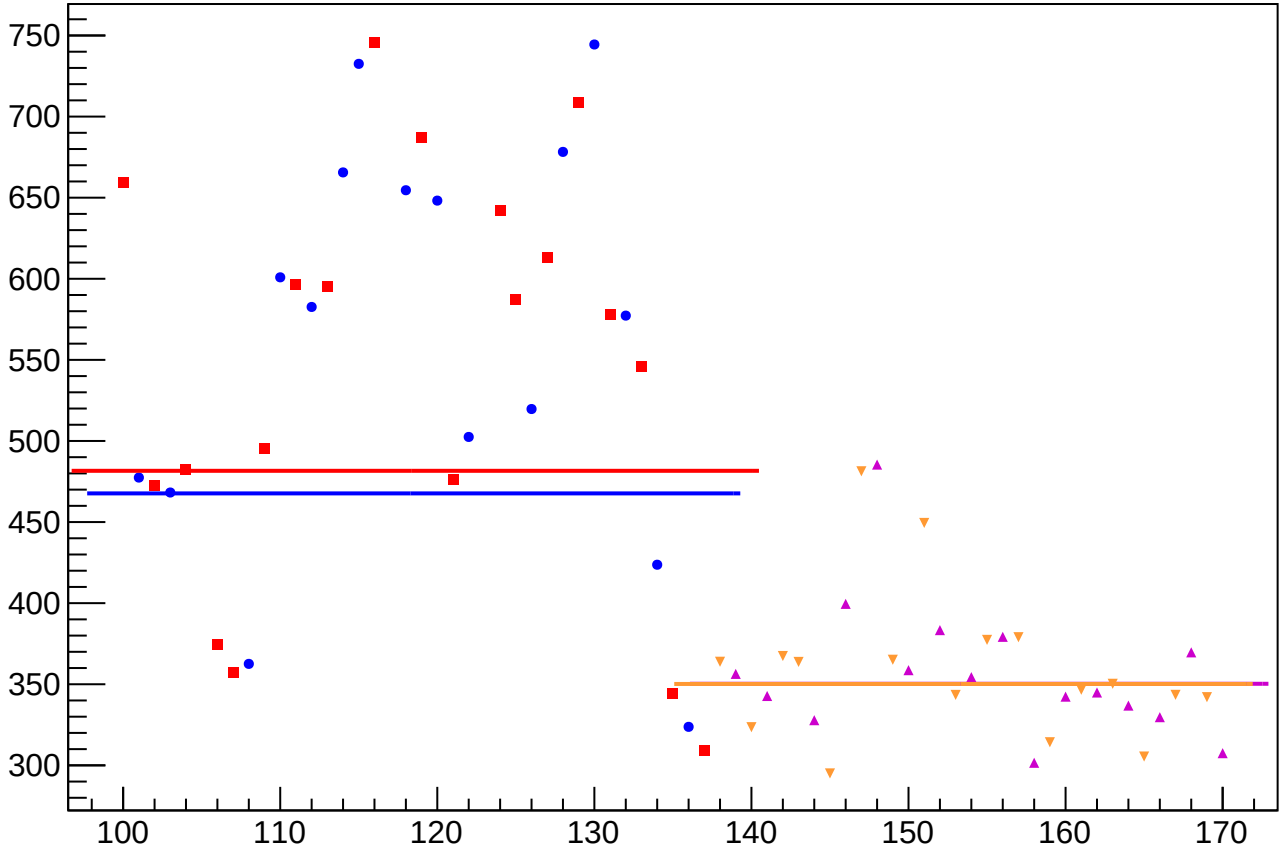
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -88.095+/-85.532 χ^2/NDF:47.2/31

Out: -103.070+/-85.114 χ^2/NDF:39.0/35

All: -95.619+/-60.332 χ^2/NDF: 86.3/67

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 350.180+/-0.068 χ^2/NDF:347832.2/16

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 350.291+/-0.069 χ^2/NDF:277532.7/15

Left: 350.235+/-0.048 χ^2/NDF: 625366.3/32

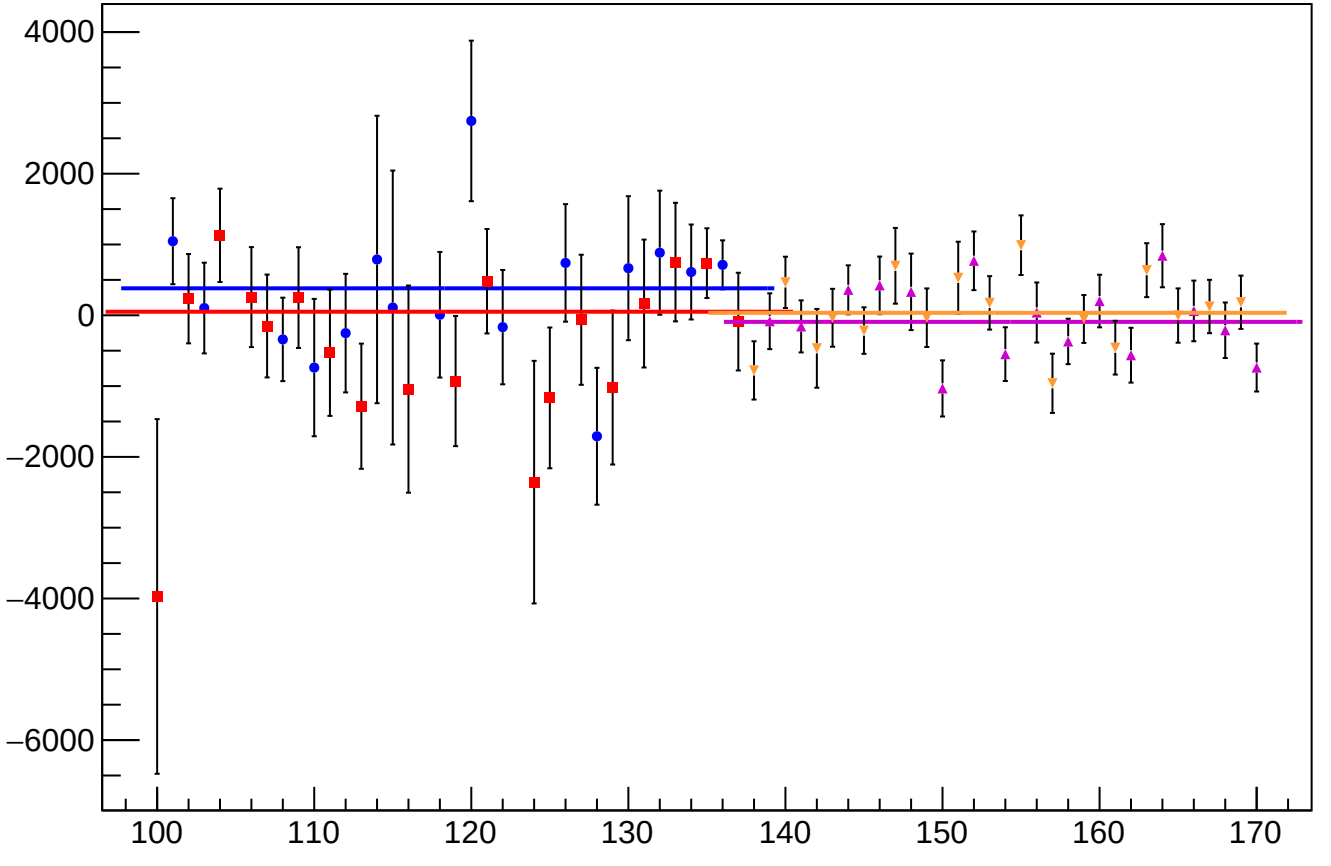
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 376.697+/-0.060 χ^2/NDF:1920242.7/31

Out: 379.061+/-0.060 χ^2/NDF:2019691.0/35

All: 377.885+/-0.043 χ^2/NDF: 3940701.3/67

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 35.129+/-96.666 χ^2/NDF:24.7/16

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -93.025+/-97.284 χ^2/NDF:26.5/15

Left: -28.539+/-68.570 χ^2/NDF: 52.1/32

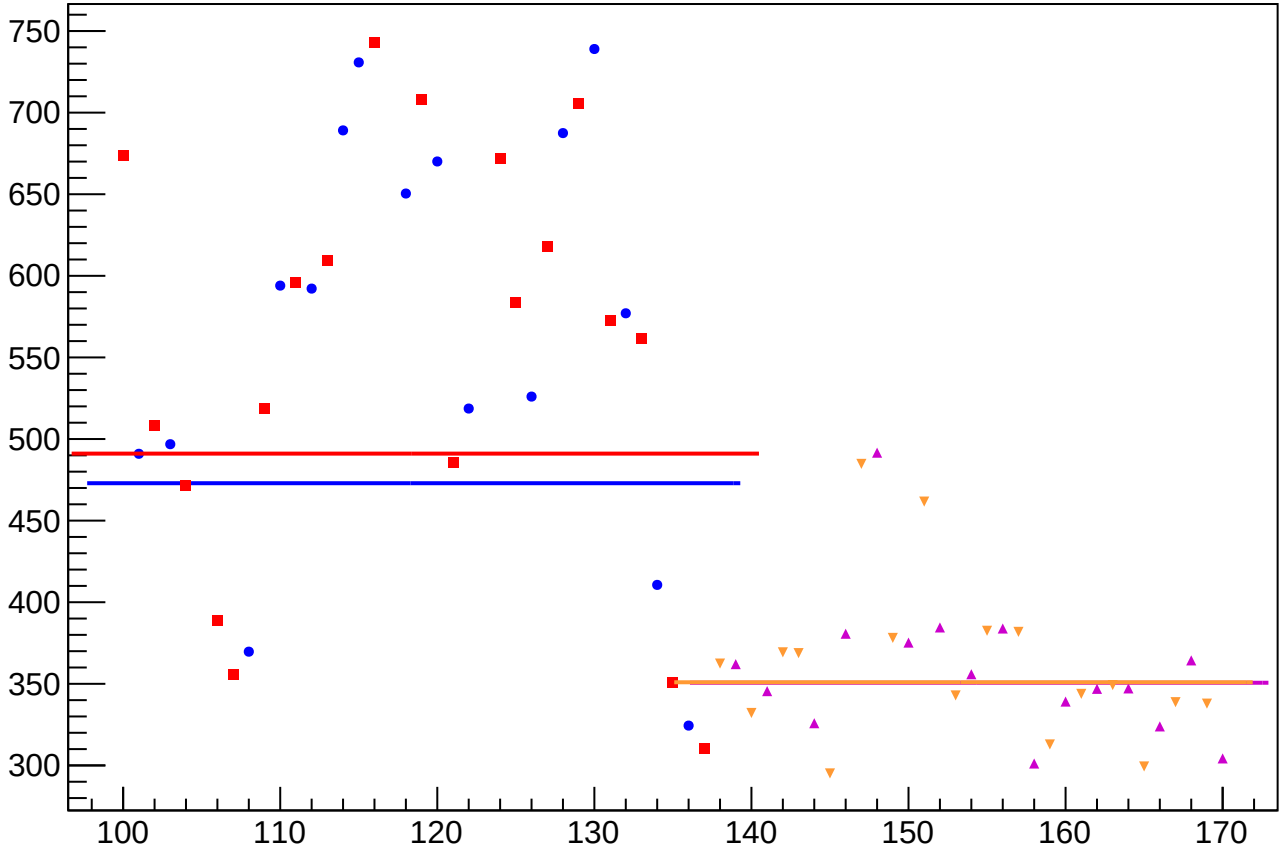
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 11.746+/-85.864 χ^2/NDF:47.9/31

Out: 38.395+/-85.701 χ^2/NDF:42.1/35

All: 25.096+/-60.657 χ^2/NDF: 90.1/67

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 350.952+/-0.068 χ^2/NDF:388634.5/16

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 350.659+/-0.069 χ^2/NDF:290597.3/15

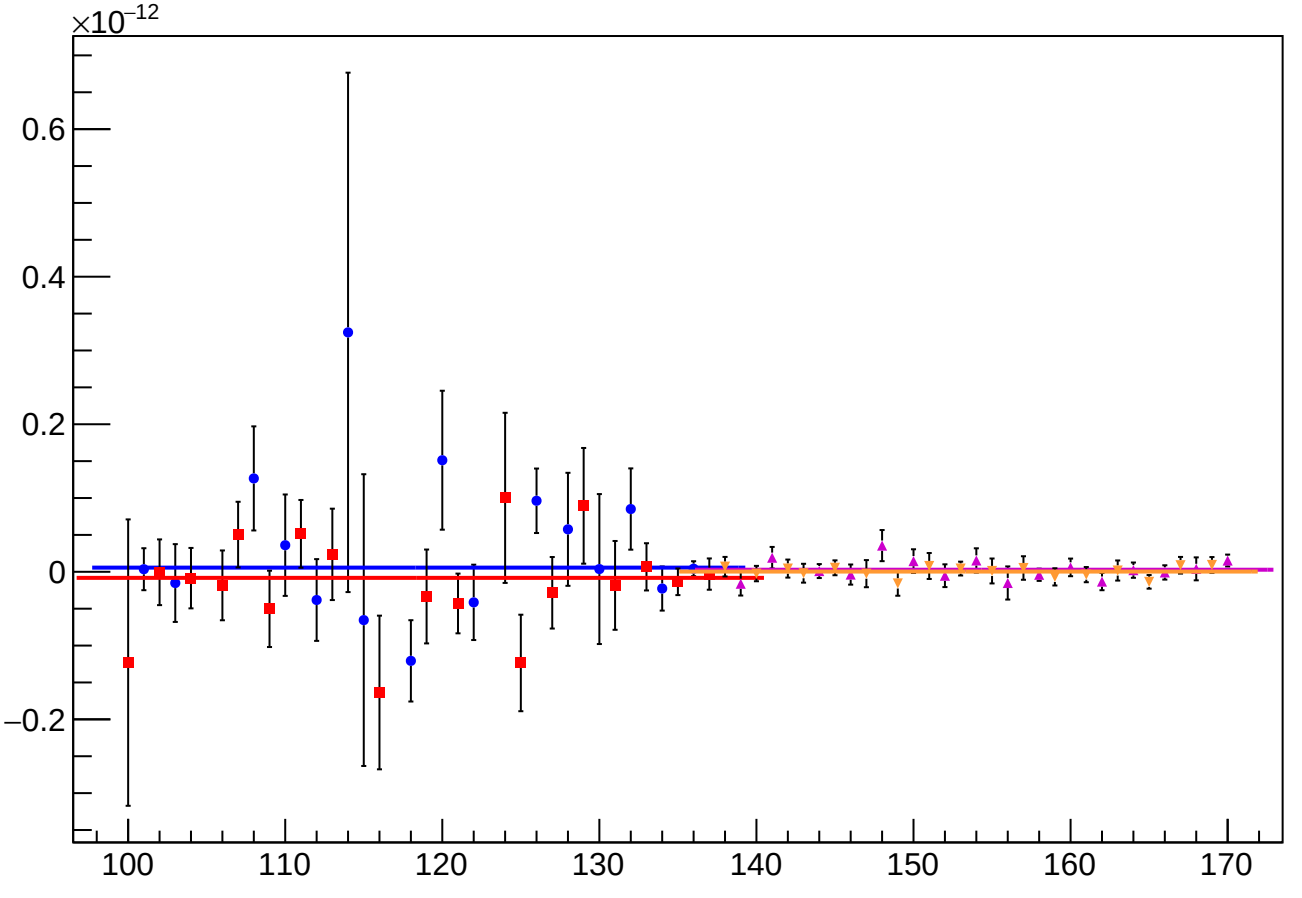
Left: 350.806+/-0.048 χ^2/NDF: 679240.9/32

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 377.678+/-0.061 χ^2/NDF:1988973.1/31

Out: 380.935+/-0.061 χ^2/NDF:2135270.2/35

All: 379.309+/-0.043 χ^2/NDF: 4125684.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/15

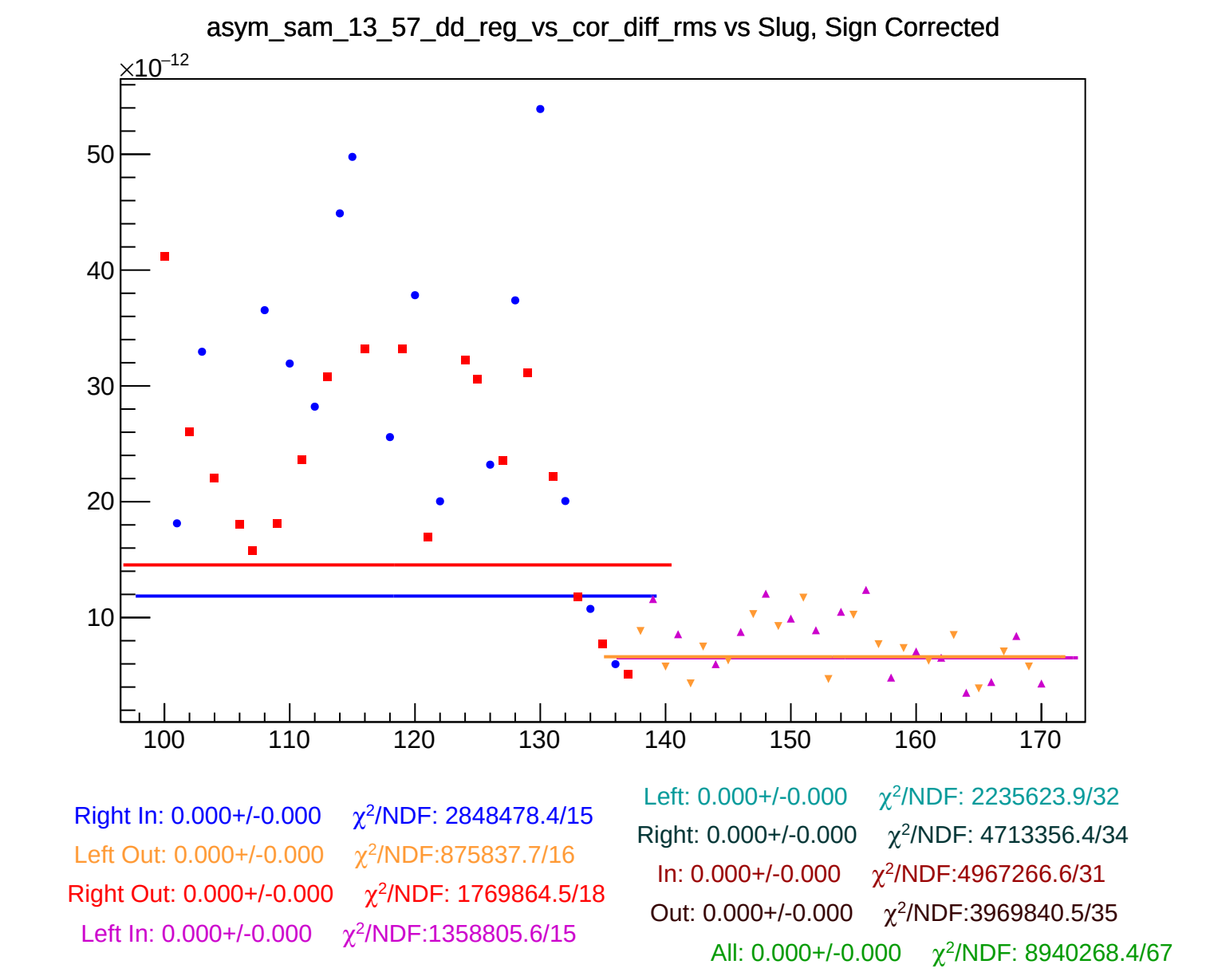
Left: 0.000+/-0.000 χ^2/NDF: 19.1/32

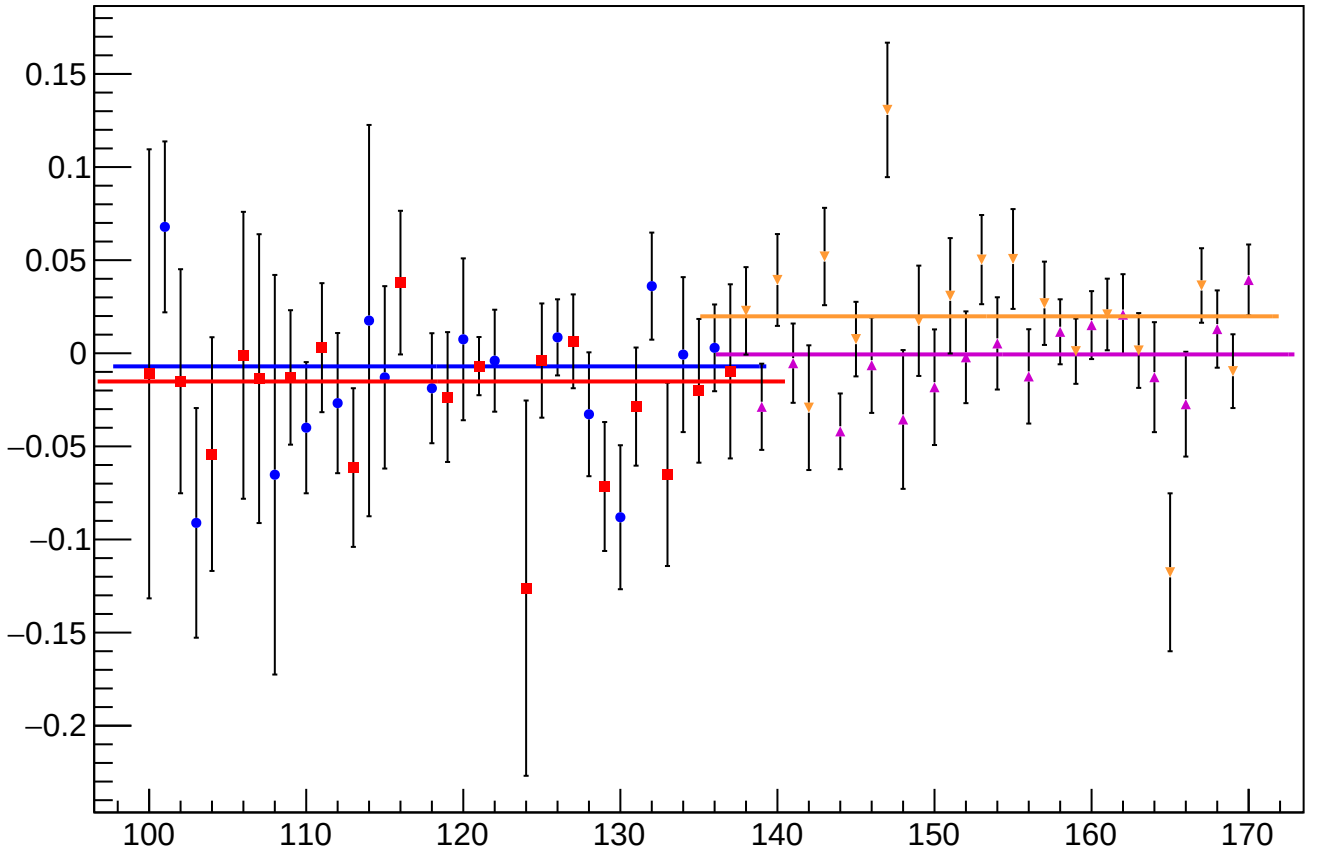
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:33.8/31

Out: -0.000+/-0.000 χ^2/NDF:21.0/35

All: 0.000+/-0.000 χ^2/NDF: 55.6/67


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:875837.7/16
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1358805.6/15
Left: 0.000+/-0.000 χ²/NDF: 2235623.9/32
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:4967266.6/31
Out: 0.000+/-0.000 χ²/NDF:3969840.5/35
All: 0.000+/-0.000 χ²/NDF: 8940268.4/67



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.006 χ^2/NDF:32.6/16

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.006 χ^2/NDF:15.3/15

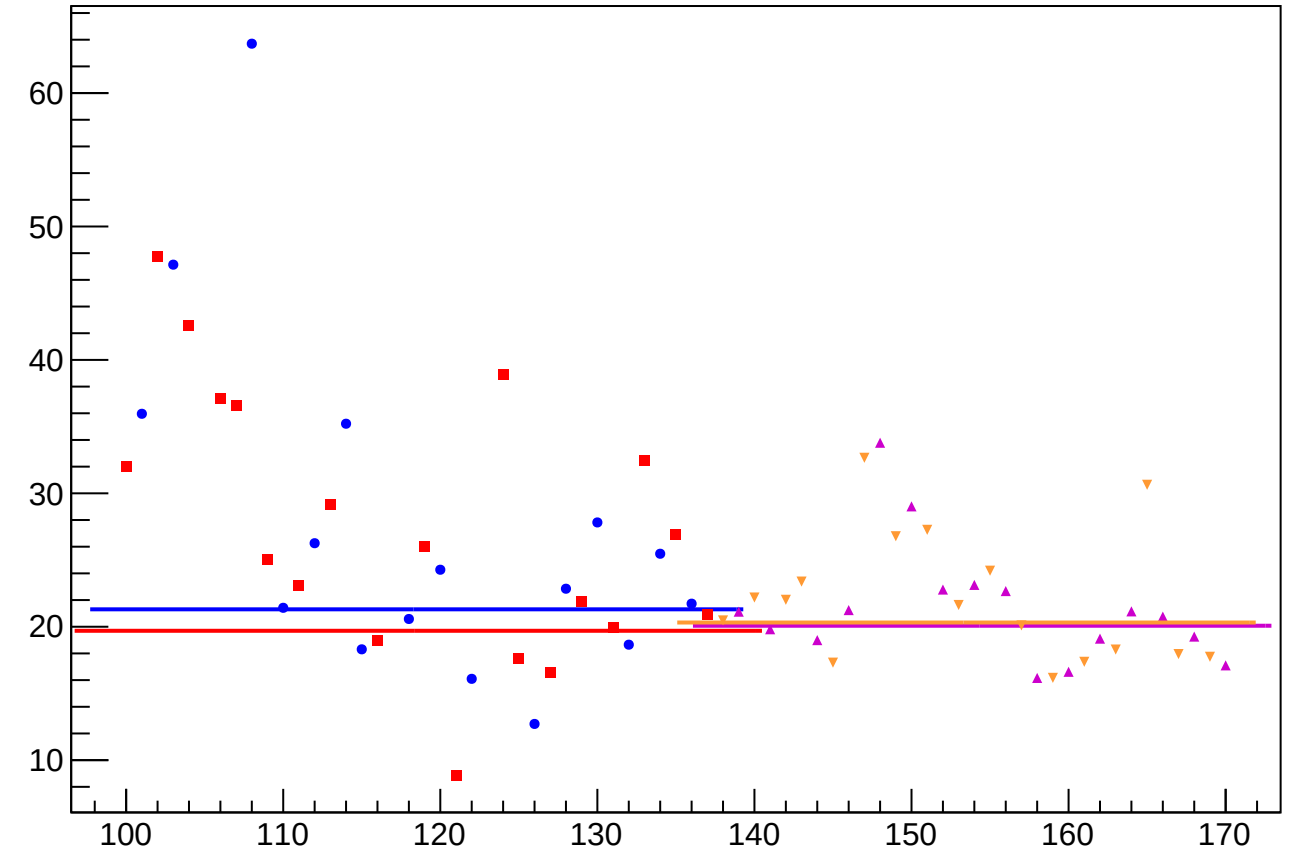
Left: 0.010+/-0.004 χ^2/NDF: 54.3/32

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/35

All: 0.003+/-0.003 χ^2/NDF: 87.6/67



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.317+/-0.004 χ^2/NDF:926893.9/16

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.075+/-0.004 χ^2/NDF:758537.9/15

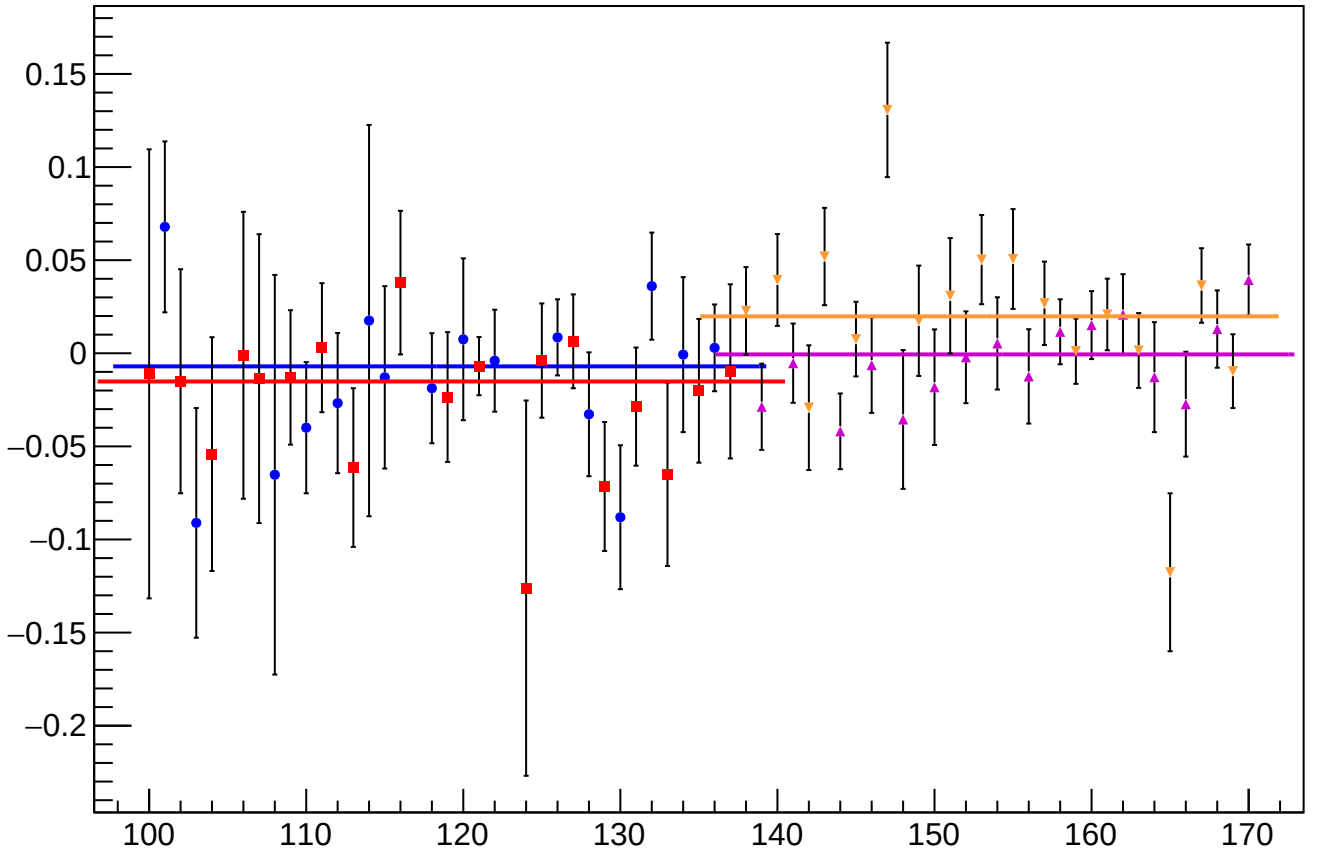
Left: 20.196+/-0.003 χ^2/NDF: 1687207.6/32

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.452+/-0.003 χ^2/NDF:2266179.8/31

Out: 20.114+/-0.003 χ^2/NDF:3373515.9/35

All: 20.280+/-0.002 χ^2/NDF: 5644776.8/67



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.006 χ^2/NDF:32.6/16

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.006 χ^2/NDF:15.3/15

Left: 0.010+/-0.004 χ^2/NDF: 54.3/32

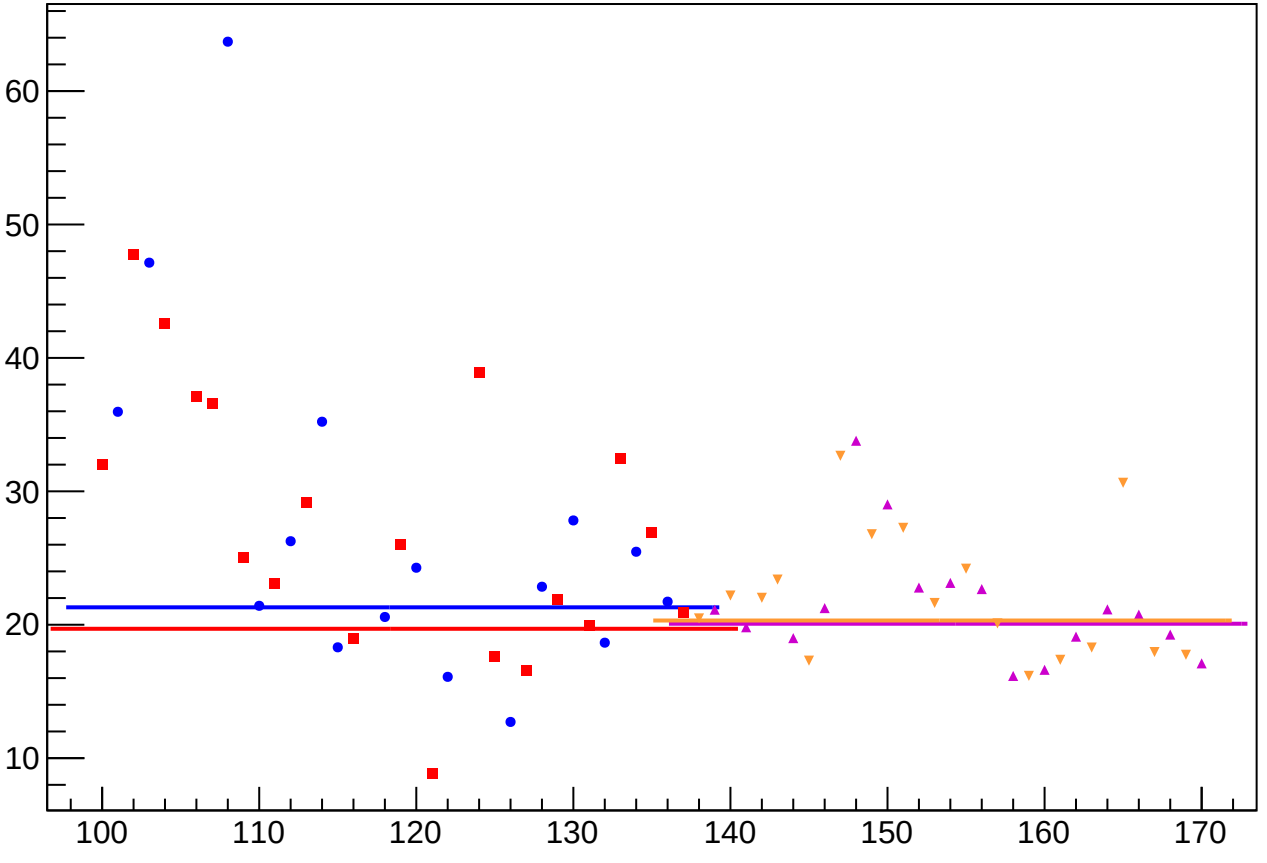
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/35

All: 0.003+/-0.003 χ^2/NDF: 87.6/67

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.317+/-0.004 χ^2/NDF:926893.9/16

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.075+/-0.004 χ^2/NDF:758537.9/15

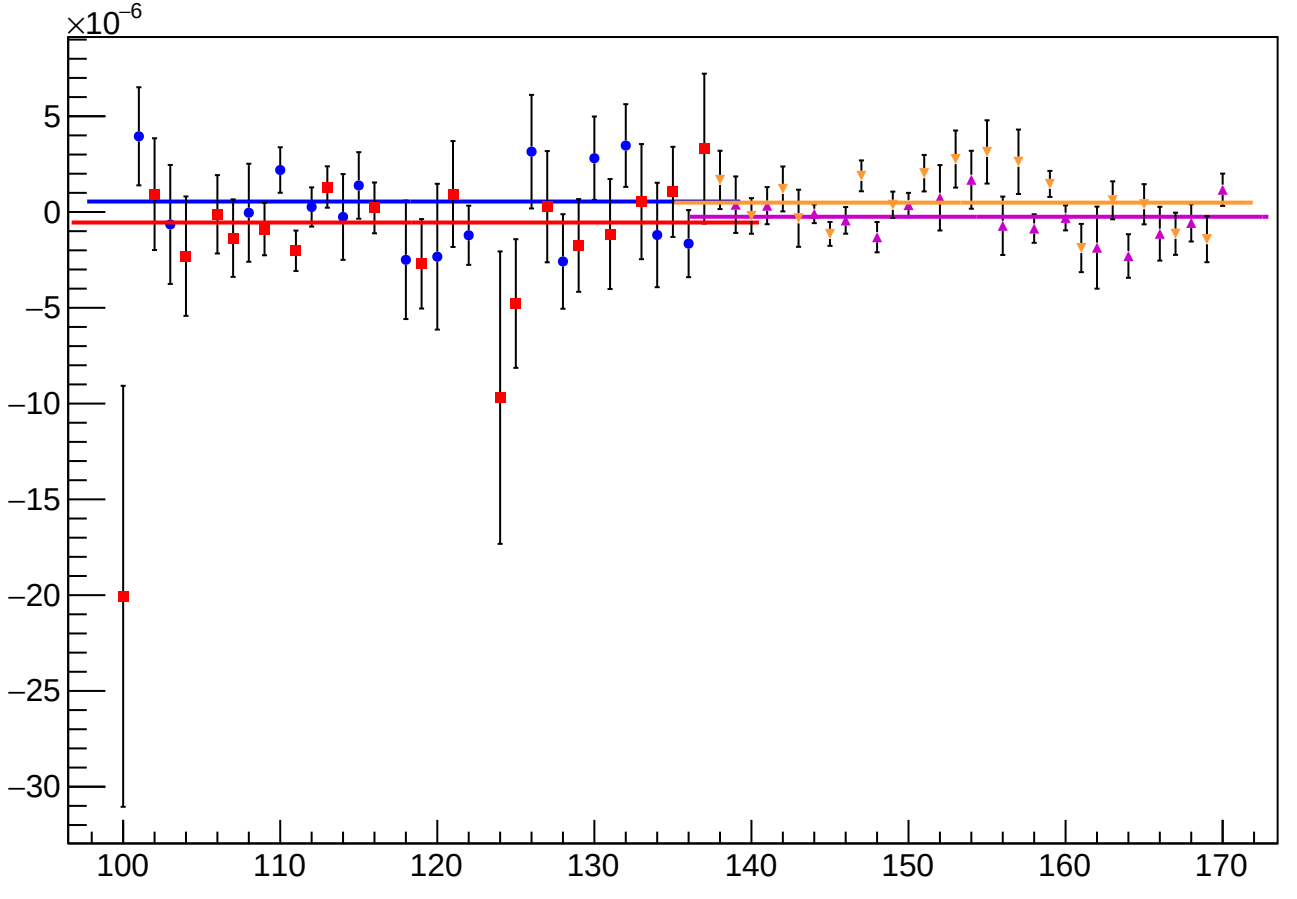
Left: 20.196+/-0.003 χ^2/NDF: 1687207.6/32

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.452+/-0.003 χ^2/NDF:2266179.8/31

Out: 20.114+/-0.003 χ^2/NDF:3373515.9/35

All: 20.280+/-0.002 χ^2/NDF: 5644776.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/15

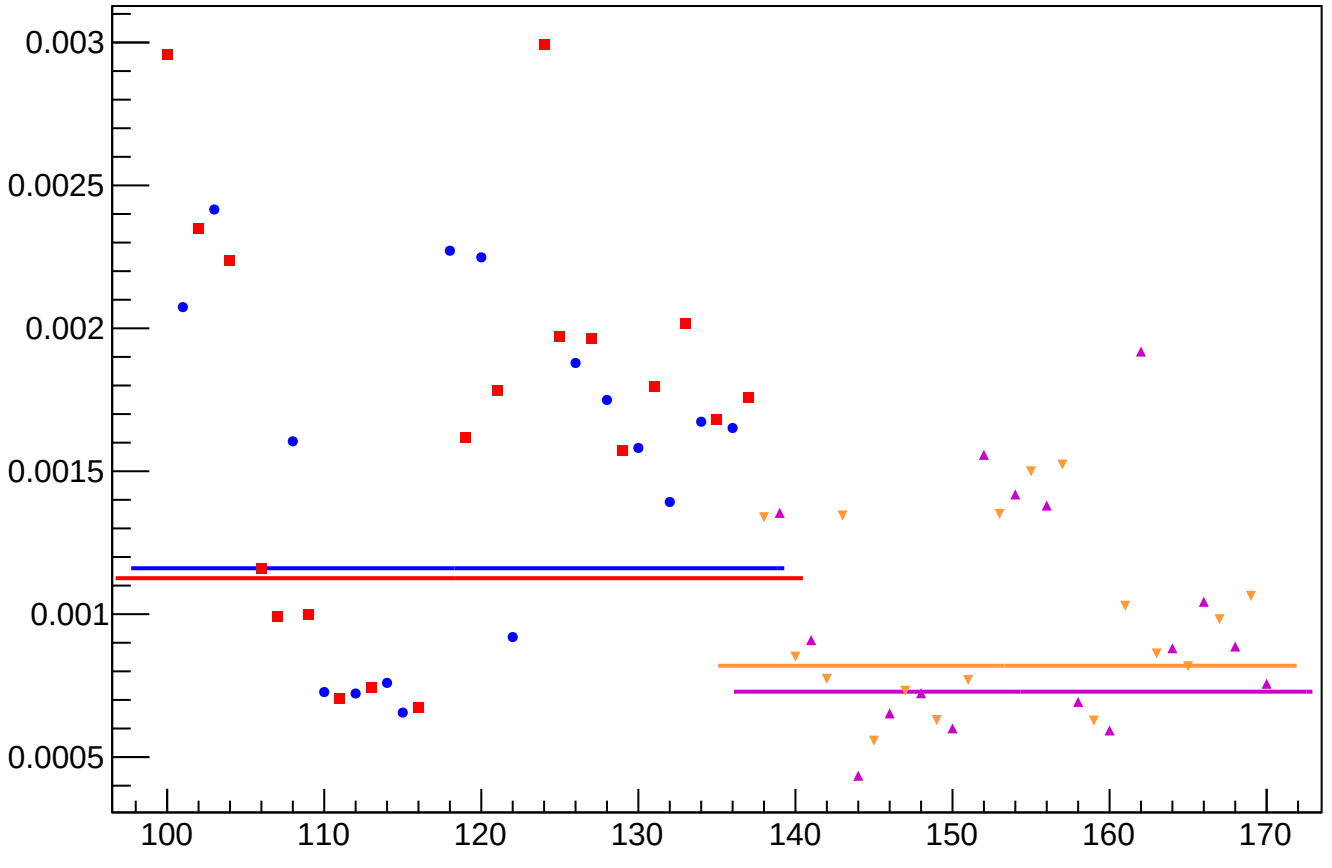
Left: 0.000+/-0.000 χ^2/NDF: 49.7/32

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/31

Out: 0.000+/-0.000 χ^2/NDF:50.6/35

All: 0.000+/-0.000 χ^2/NDF: 82.3/67



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2310732.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3407579.3/15

Left: 0.001+/-0.000 χ^2/NDF: 5876280.5/32

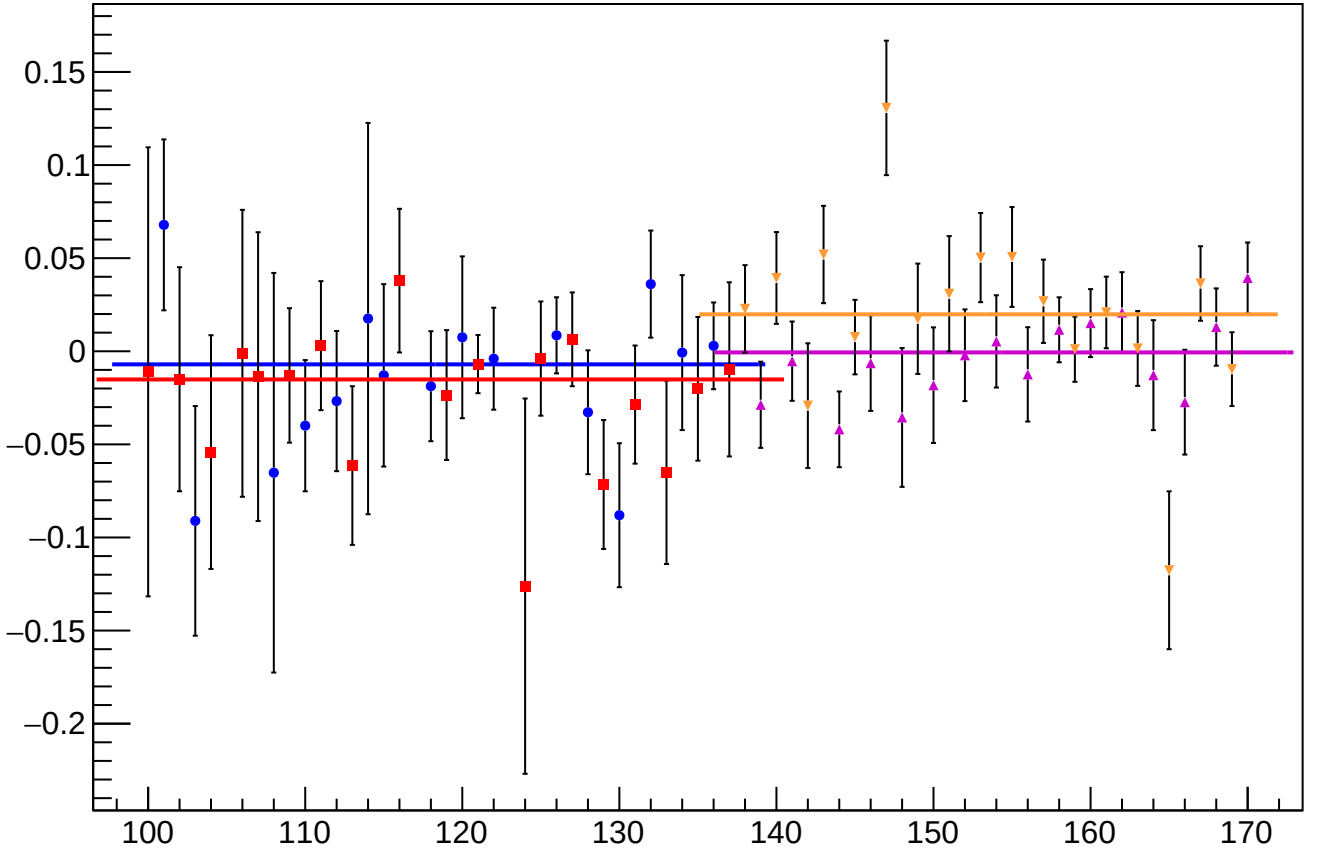
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7291811.2/31

Out: 0.001+/-0.000 χ^2/NDF:5636284.3/35

All: 0.001+/-0.000 χ^2/NDF: 13089627.1/67

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: 0.020+/-0.006 χ^2/NDF:32.6/16

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.006 χ^2/NDF:15.3/15

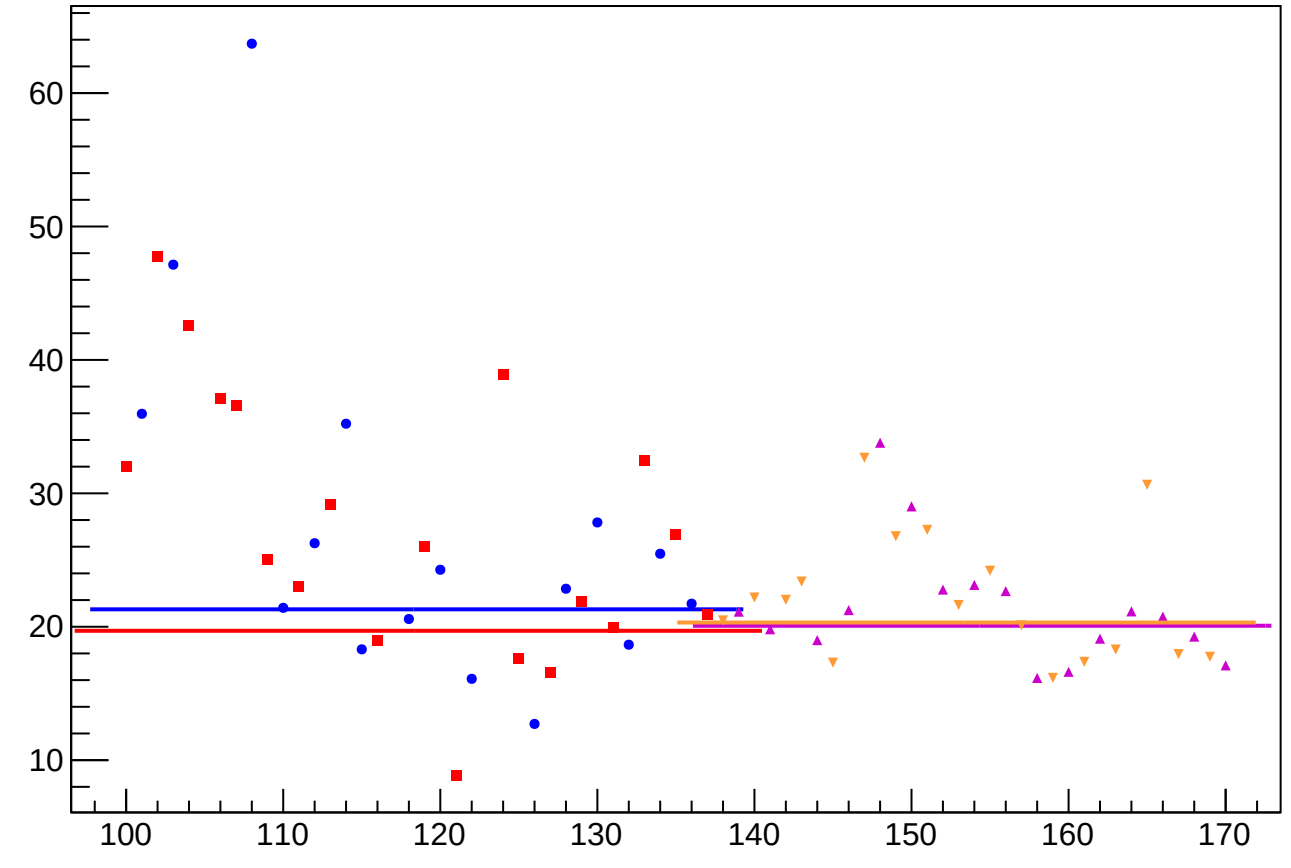
Left: 0.010+/-0.004 χ^2/NDF: 54.3/32

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/35

All: 0.003+/-0.003 χ^2/NDF: 87.6/67



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.317+/-0.004 χ^2/NDF:927027.9/16

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.075+/-0.004 χ^2/NDF:758643.1/15

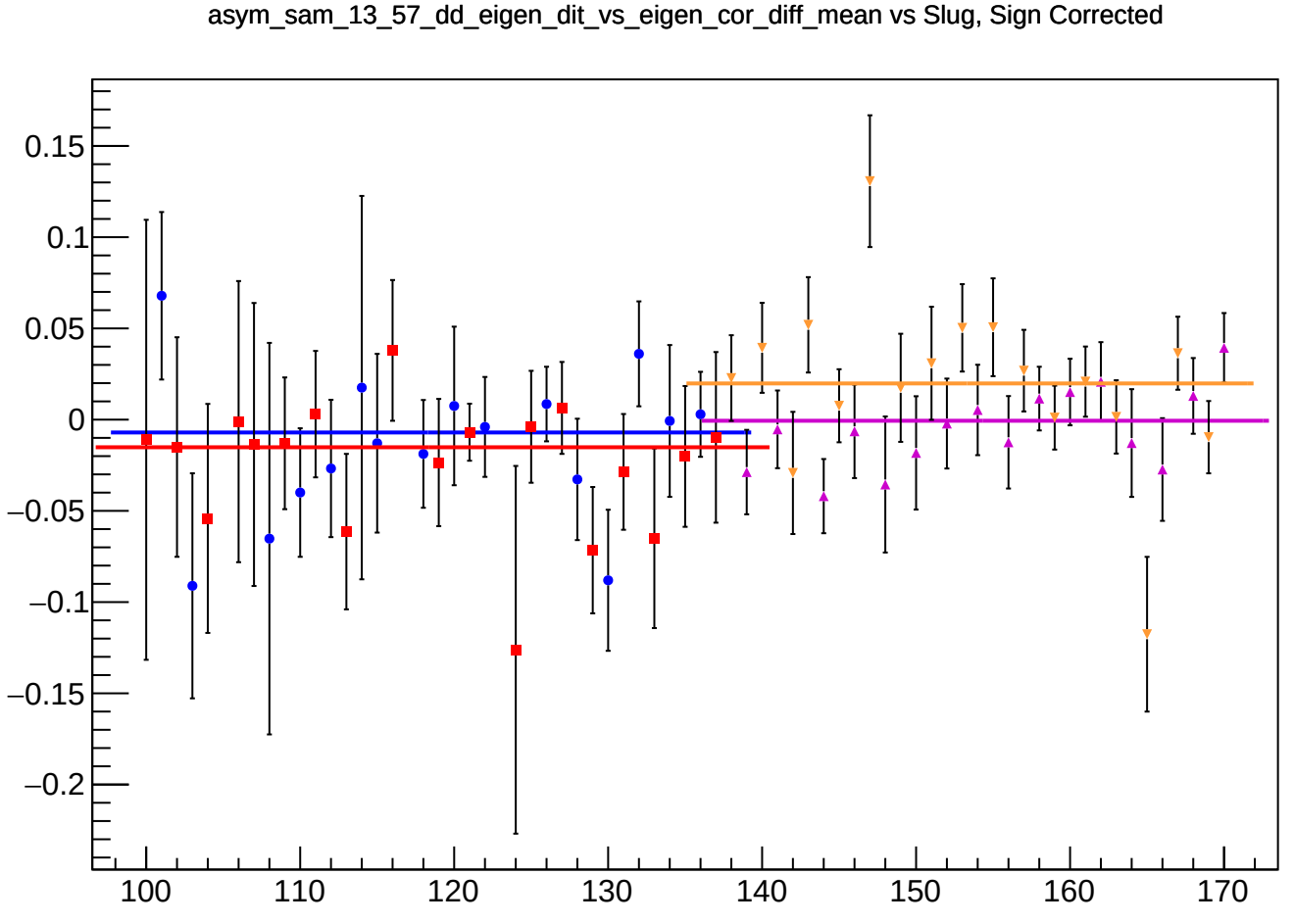
Left: 20.196+/-0.003 χ^2/NDF: 1687447.1/32

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

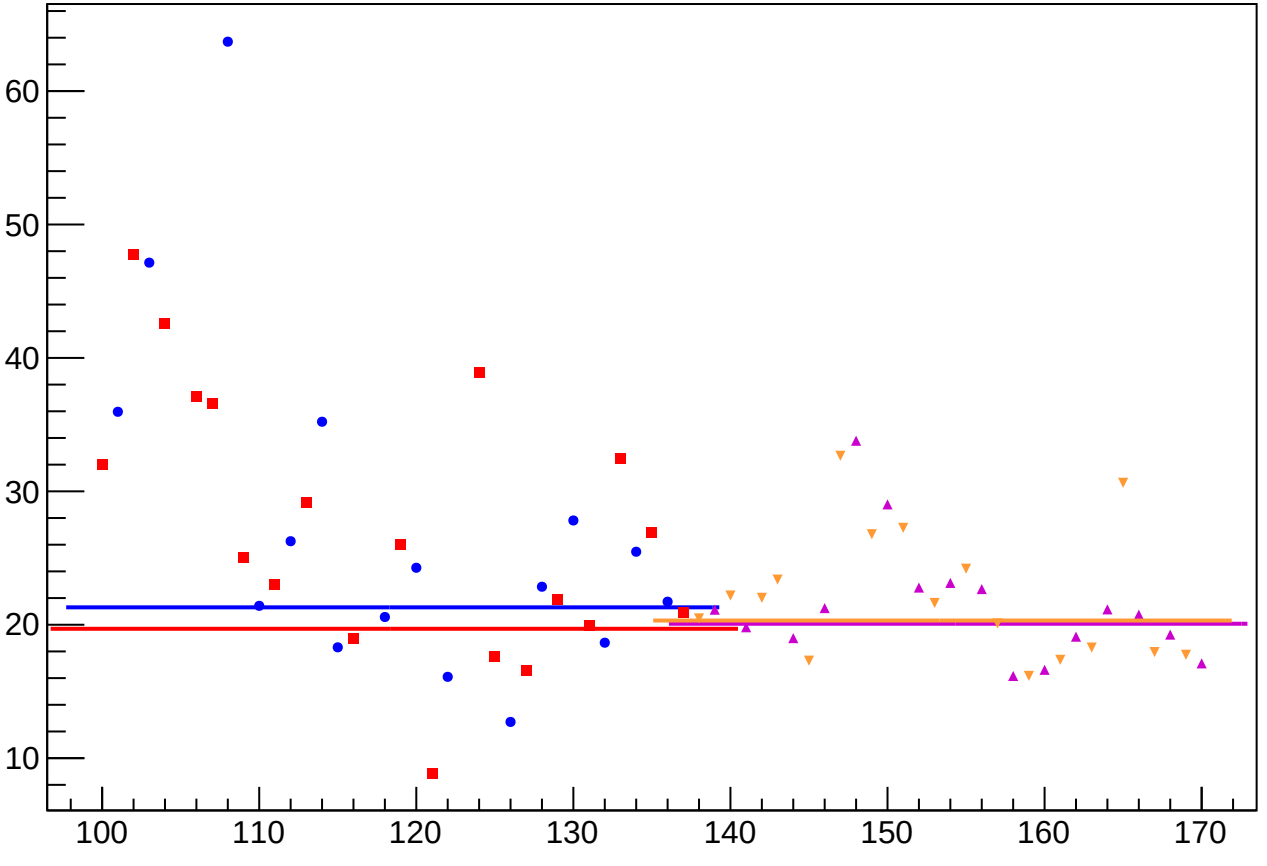
In: 20.452+/-0.003 χ^2/NDF:2266135.1/31

Out: 20.114+/-0.003 χ^2/NDF:3373265.2/35

All: 20.281+/-0.002 χ^2/NDF: 5644477.0/67


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: 0.020+/-0.006 χ²/NDF:32.6/16
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.006 χ²/NDF:15.3/15
Left: 0.010+/-0.004 χ²/NDF: 54.3/32
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.005 χ²/NDF:30.0/31
Out: 0.008+/-0.005 χ²/NDF:54.9/35
All: 0.003+/-0.003 χ²/NDF: 87.6/67

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.317+/-0.004 χ^2/NDF:927027.9/16

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.075+/-0.004 χ^2/NDF:758643.1/15

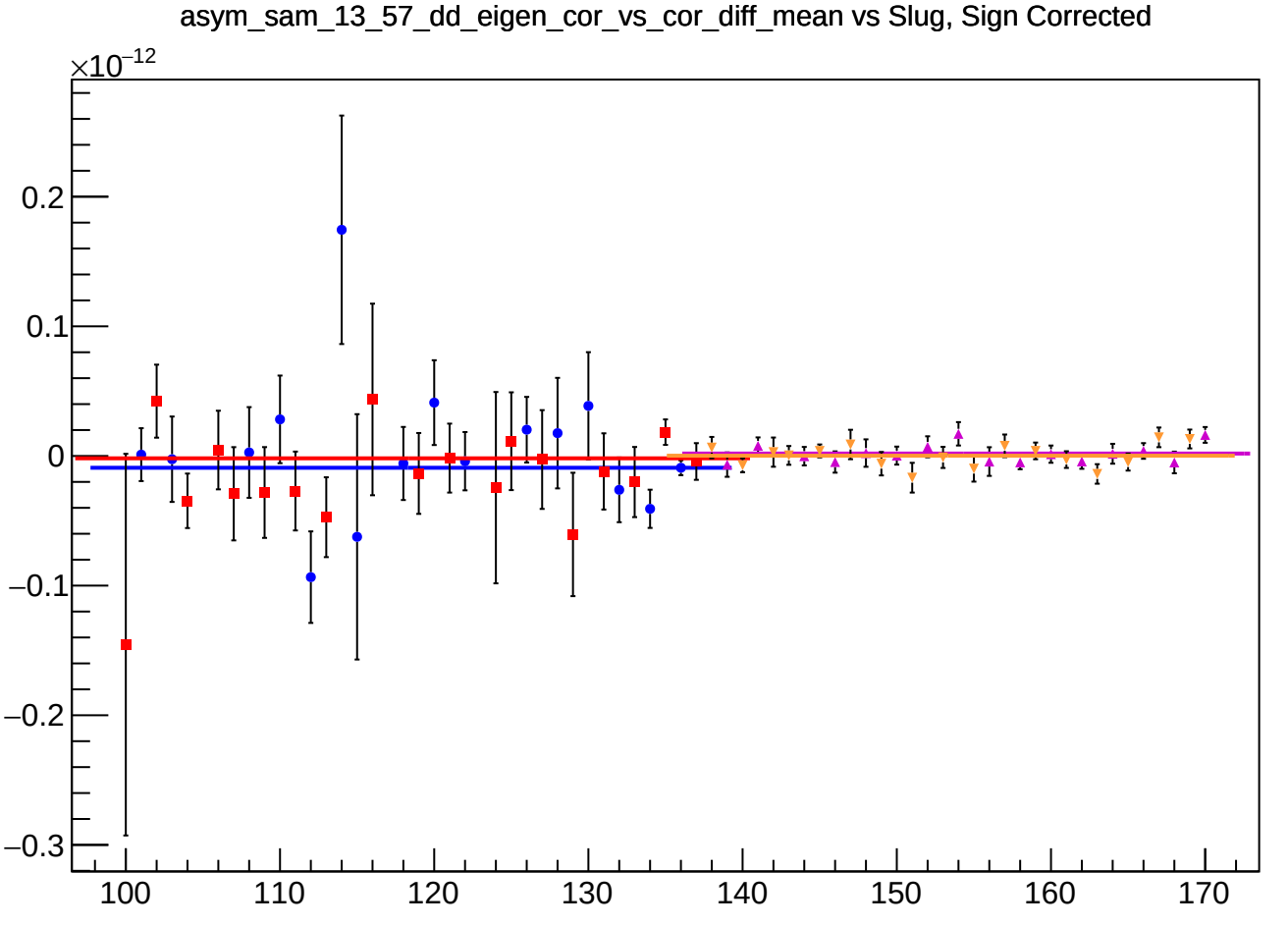
Left: 20.196+/-0.003 χ^2/NDF: 1687447.1/32

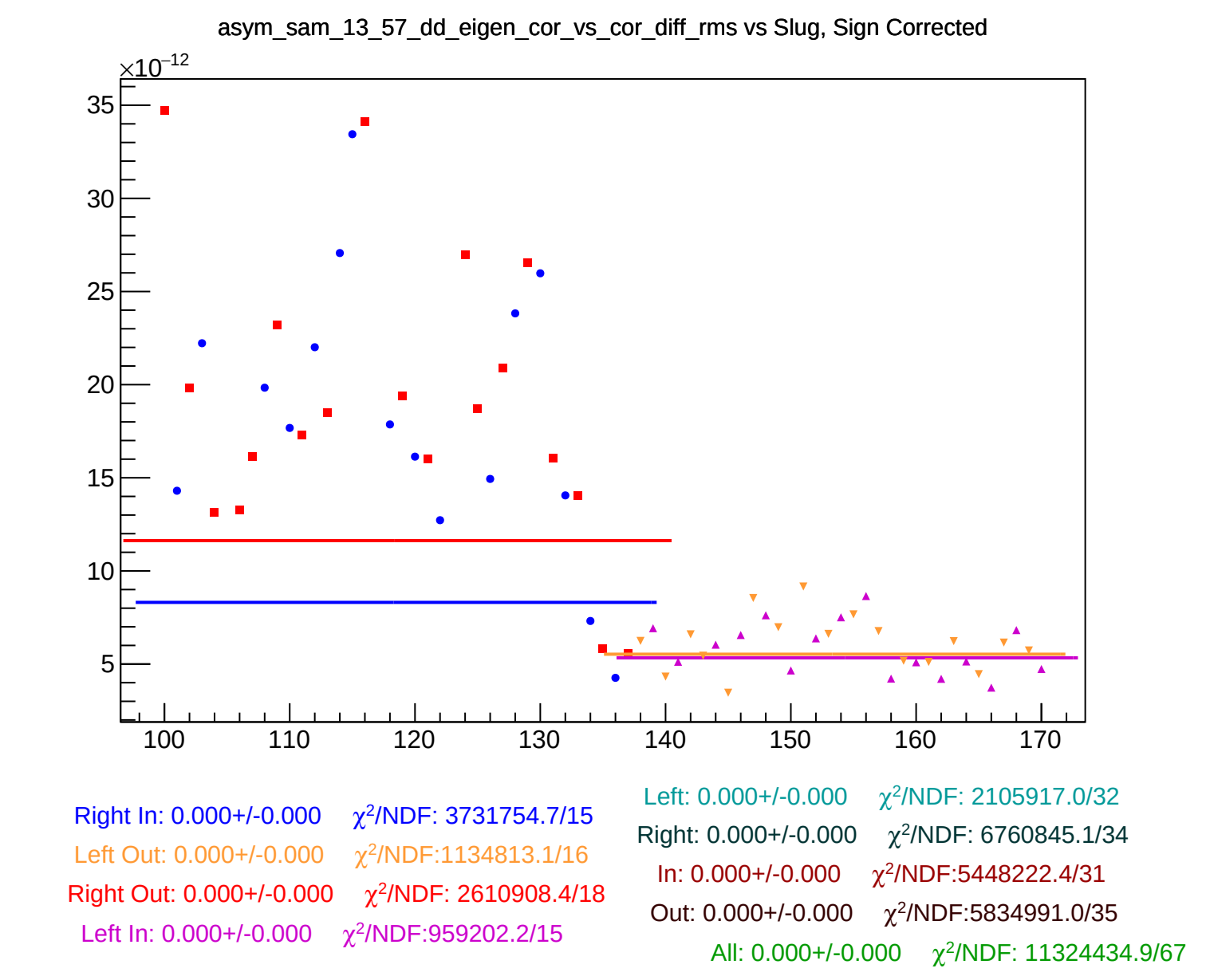
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

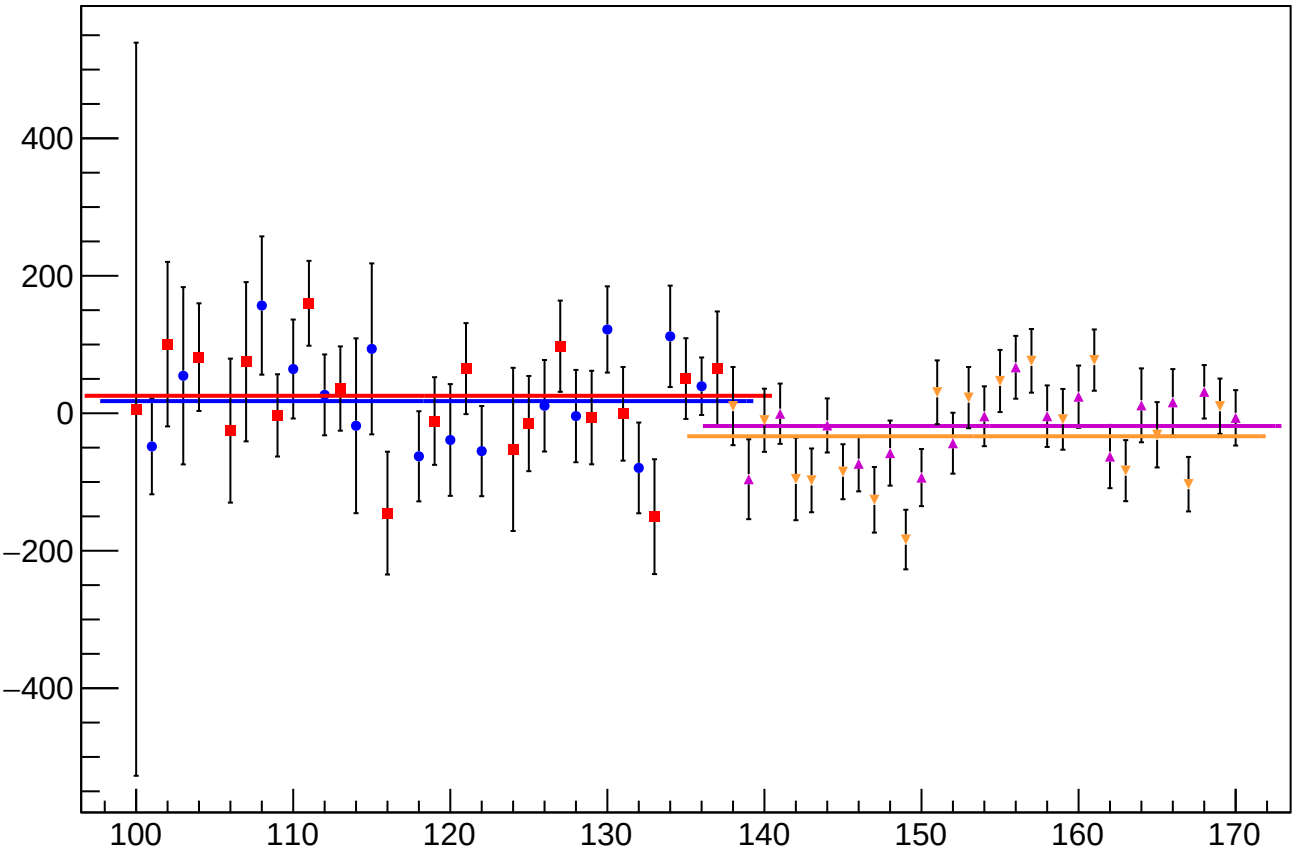
In: 20.452+/-0.003 χ^2/NDF:2266135.1/31

Out: 20.114+/-0.003 χ^2/NDF:3373265.2/35

All: 20.281+/-0.002 χ^2/NDF: 5644477.0/67


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:19.3/16
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:15.2/15
Left: 0.000+/-0.000 χ²/NDF: 34.9/32
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: 0.000+/-0.000 χ²/NDF:42.9/31
Out: 0.000+/-0.000 χ²/NDF:36.4/35
All: 0.000+/-0.000 χ²/NDF: 79.3/67


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1134813.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:959202.2/15
Left: 0.000+/-0.000 χ²/NDF: 2105917.0/32
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:5448222.4/31
Out: 0.000+/-0.000 χ²/NDF:5834991.0/35
All: 0.000+/-0.000 χ²/NDF: 11324434.9/67



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.459+/-11.001 χ^2/NDF:45.6/16

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -18.545+/-11.088 χ^2/NDF:16.1/15

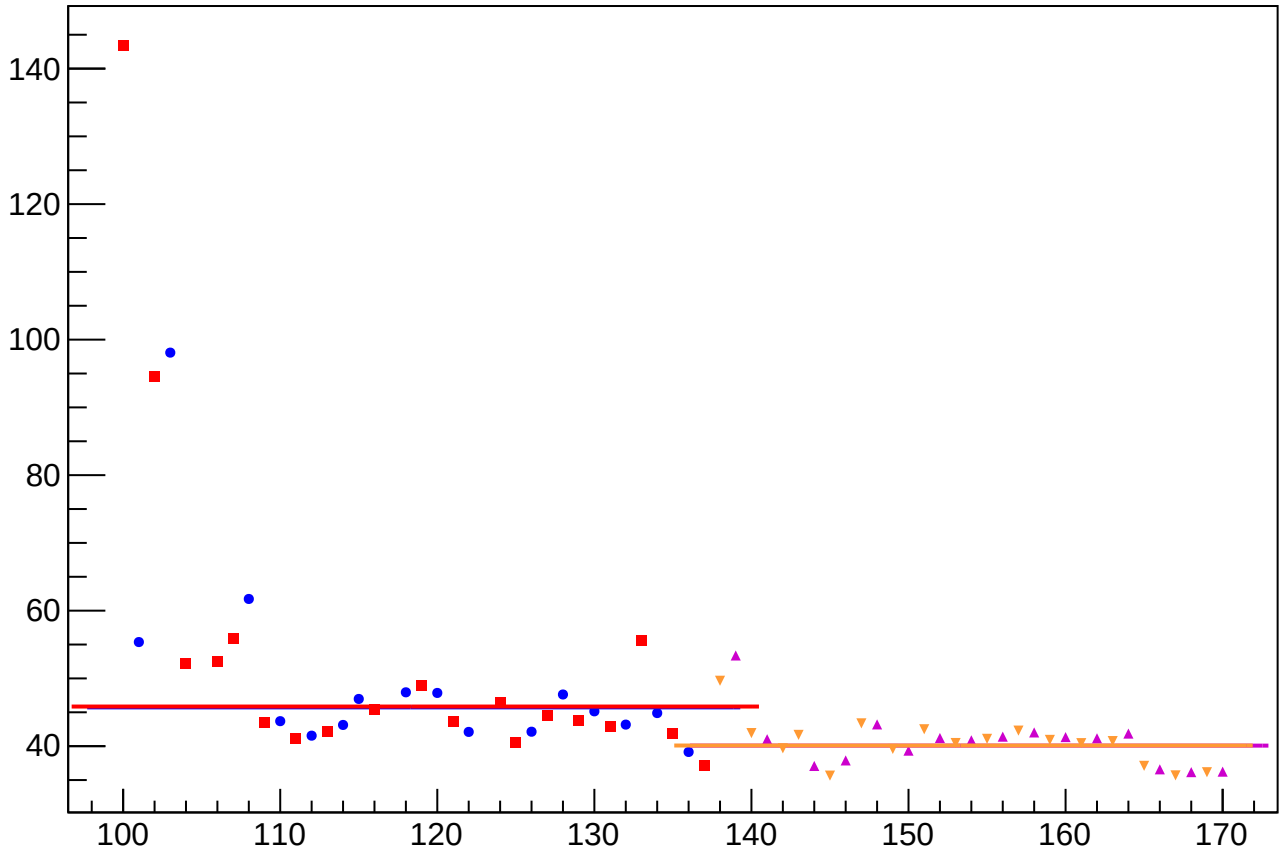
Left: -26.061+/-7.809 χ^2/NDF: 62.6/32

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -16.552+/-9.289 χ^2/NDF:71.7/35

All: -12.377+/-6.594 χ^2/NDF: 105.2/67



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.098+/-0.008 χ^2/NDF:160483.8/16

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

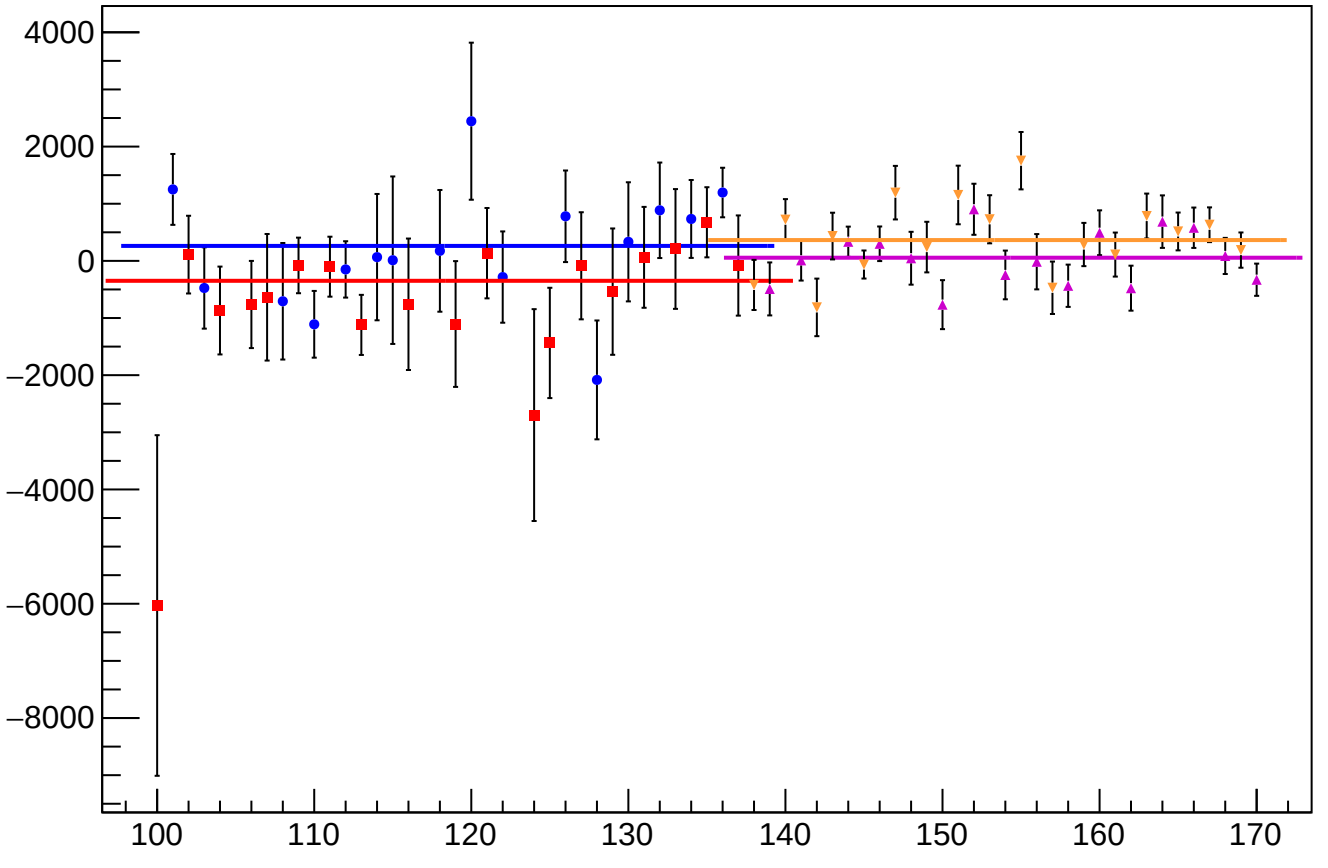
Left: 40.089+/-0.006 χ^2/NDF: 354296.3/32

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.702+/-0.007 χ^2/NDF:844168.5/31

Out: 41.749+/-0.007 χ^2/NDF:857579.8/35

All: 41.726+/-0.005 χ^2/NDF: 1701773.2/67



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 364.087+/-92.090 χ^2/NDF:32.9/16

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 55.269+/-91.935 χ^2/NDF:21.8/15

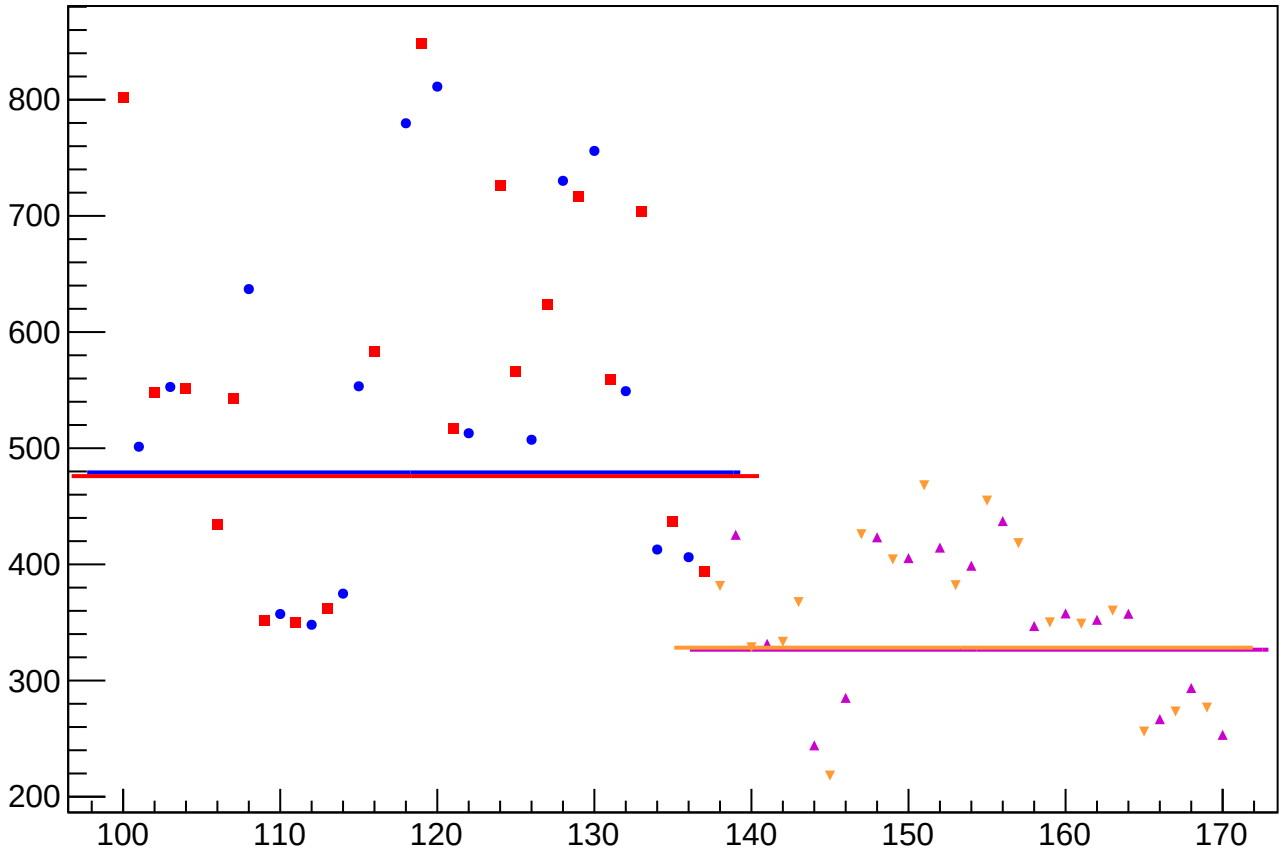
Left: 209.418+/-65.062 χ^2/NDF: 60.3/32

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 96.125+/-82.348 χ^2/NDF:47.7/31

Out: 217.110+/-82.047 χ^2/NDF:60.2/35

All: 156.839+/-58.122 χ^2/NDF: 109.0/67



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 328.314+/-0.065 χ^2/NDF:1223383.7/16

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 326.568+/-0.065 χ^2/NDF:968131.1/15

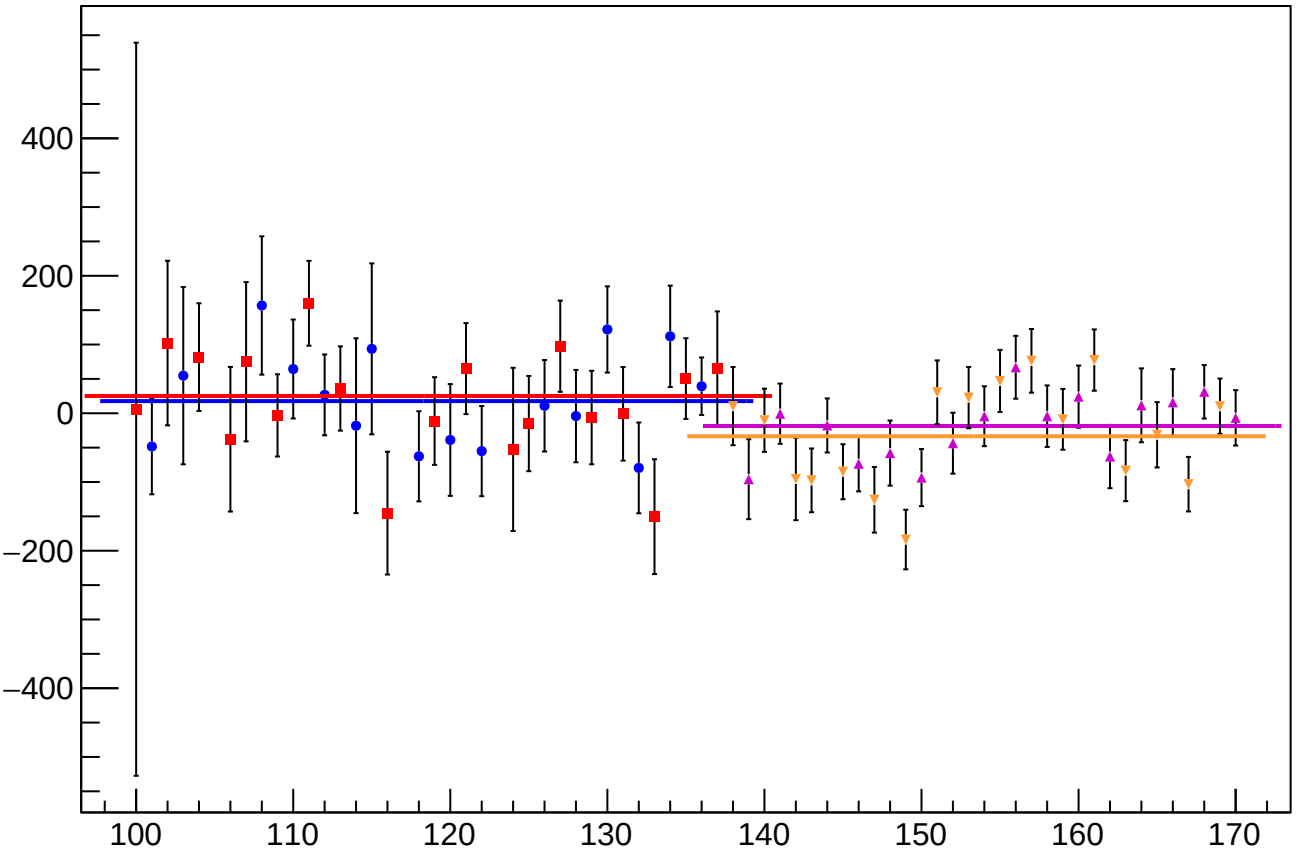
Left: 327.439+/-0.046 χ^2/NDF: 2191874.6/32

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 356.737+/-0.058 χ^2/NDF:3010270.6/31

Out: 358.766+/-0.058 χ^2/NDF:3290447.9/35

All: 357.755+/-0.041 χ^2/NDF: 6301327.8/67



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.460+/-11.001 χ^2/NDF:45.6/16

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -18.546+/-11.088 χ^2/NDF:16.1/15

Left: -26.062+/-7.809 χ^2/NDF: 62.6/32

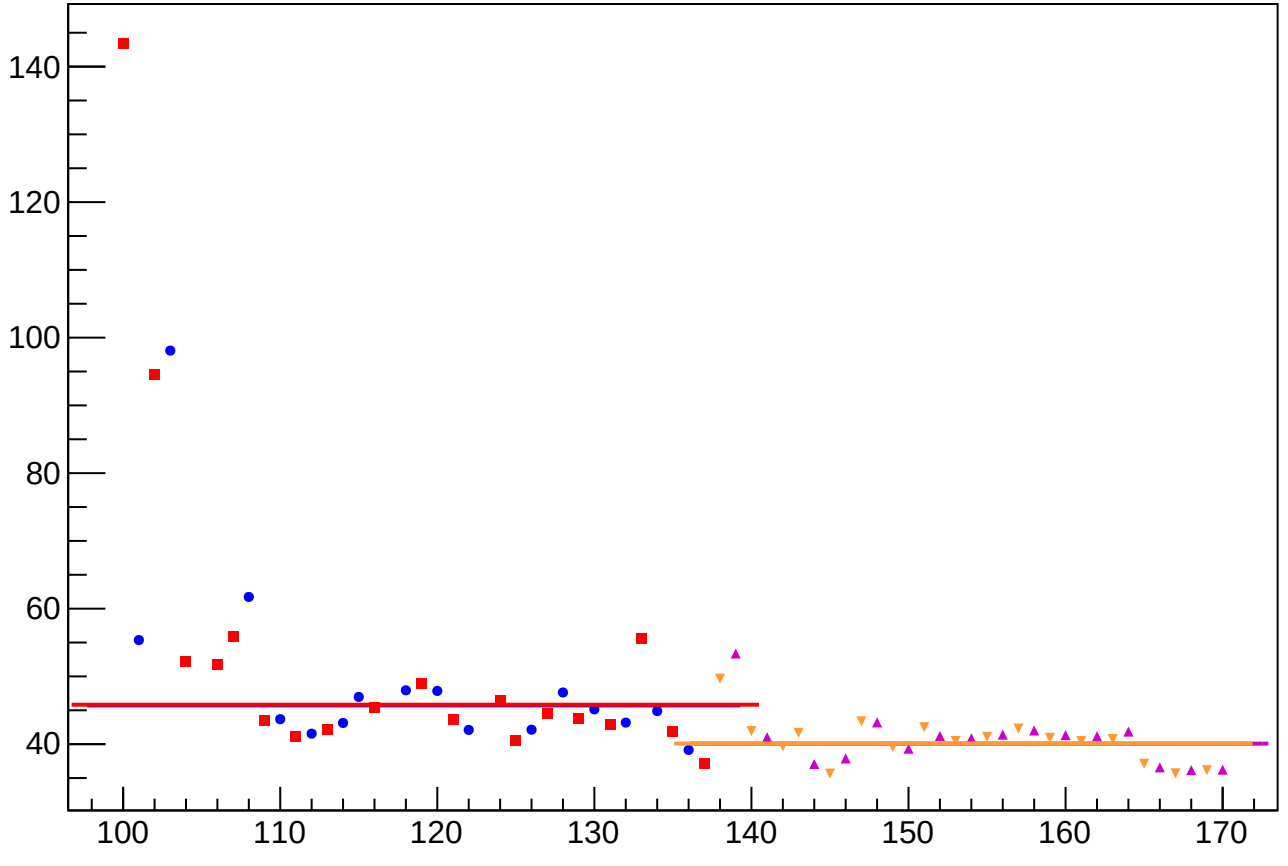
Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -16.641+/-9.289 χ^2/NDF:71.7/35

All: -12.422+/-6.594 χ^2/NDF: 105.3/67

cor_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.098+/-0.008 χ^2/NDF:160483.8/16

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

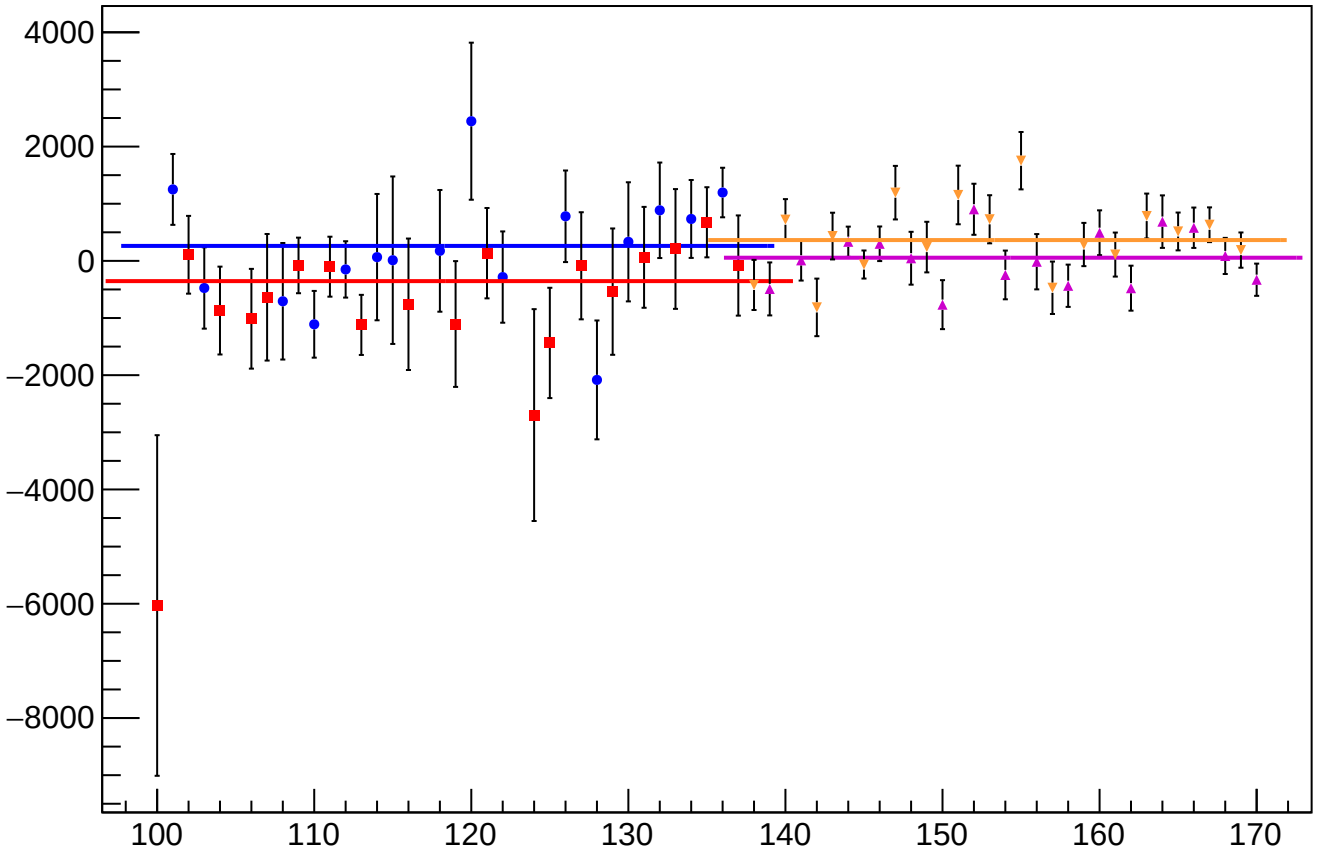
Left: 40.089+/-0.006 χ^2/NDF: 354296.3/32

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.702+/-0.007 χ^2/NDF:844171.5/31

Out: 41.741+/-0.007 χ^2/NDF:854565.1/35

All: 41.722+/-0.005 χ^2/NDF: 1698754.4/67



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 364.085+/-92.090 χ^2/NDF:32.9/16

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 55.270+/-91.935 χ^2/NDF:21.8/15

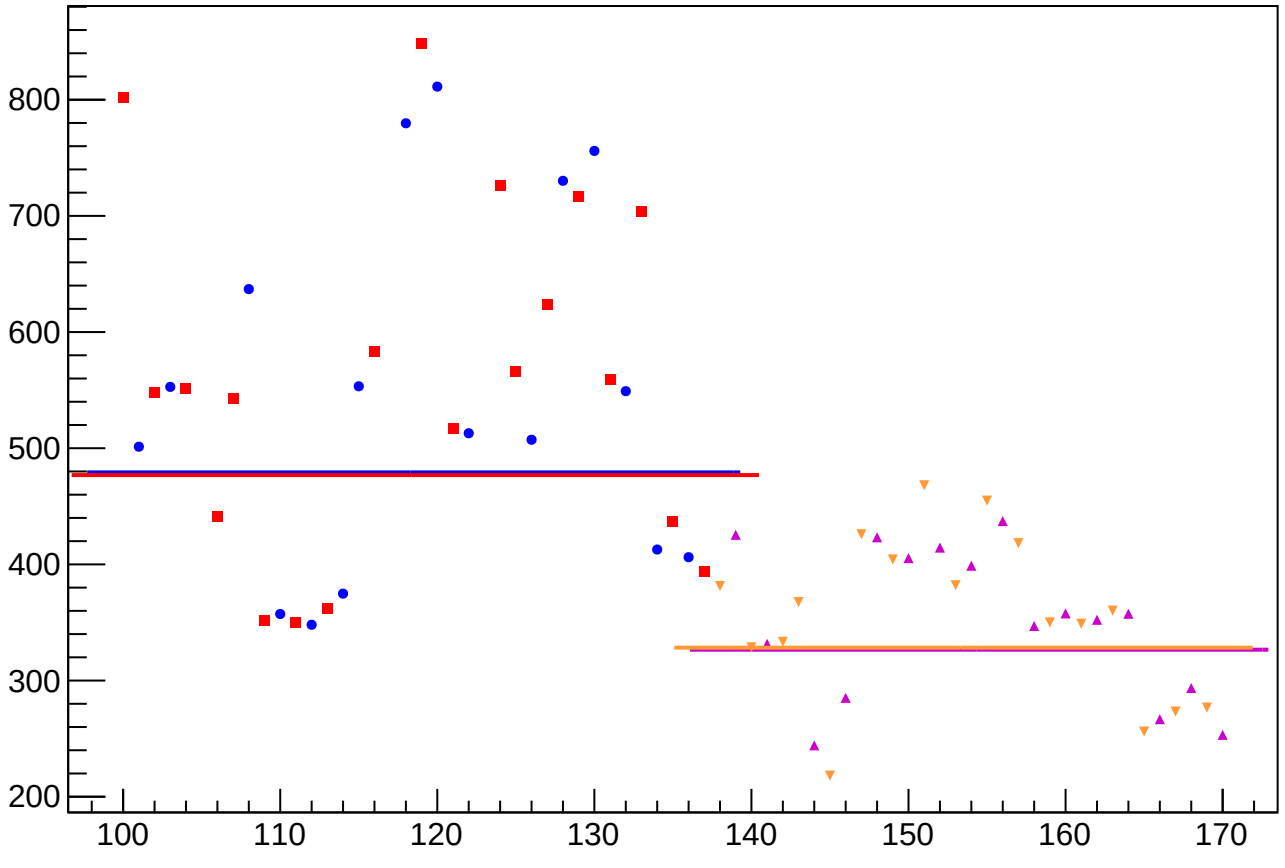
Left: 209.418+/-65.062 χ^2/NDF: 60.3/32

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 96.127+/-82.348 χ^2/NDF:47.7/31

Out: 217.547+/-82.161 χ^2/NDF:60.6/35

All: 156.975+/-58.163 χ^2/NDF: 109.4/67



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 328.313+/-0.065 χ^2/NDF:1223383.2/16

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 326.568+/-0.065 χ^2/NDF:968134.1/15

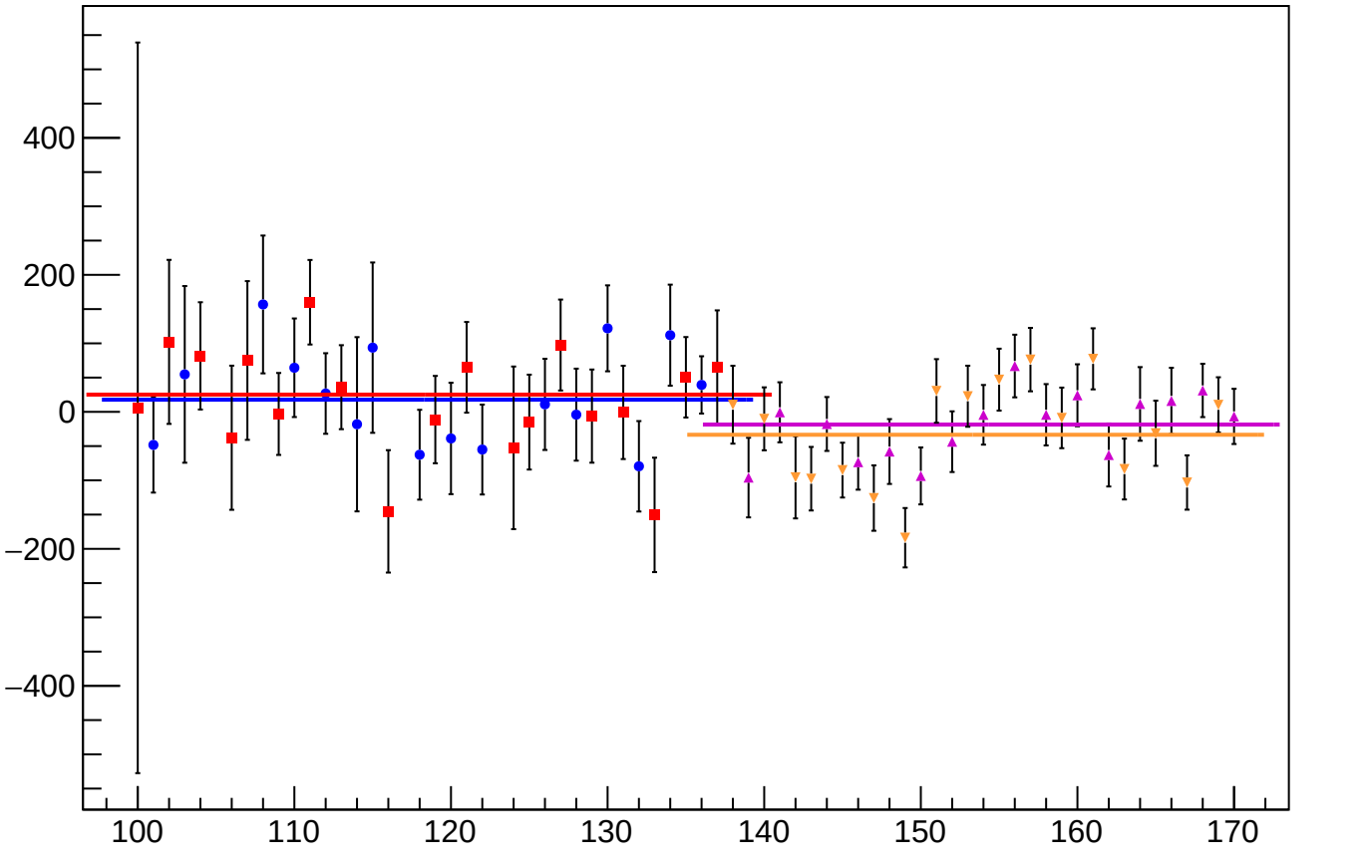
Left: 327.439+/-0.046 χ^2/NDF: 2191877.0/32

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 356.737+/-0.058 χ^2/NDF:3010322.7/31

Out: 358.625+/-0.058 χ^2/NDF:3289277.6/35

All: 357.683+/-0.041 χ^2/NDF: 6300127.3/67



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -33.460+/-11.001 χ^2/NDF:45.6/16

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -18.546+/-11.088 χ^2/NDF:16.1/15

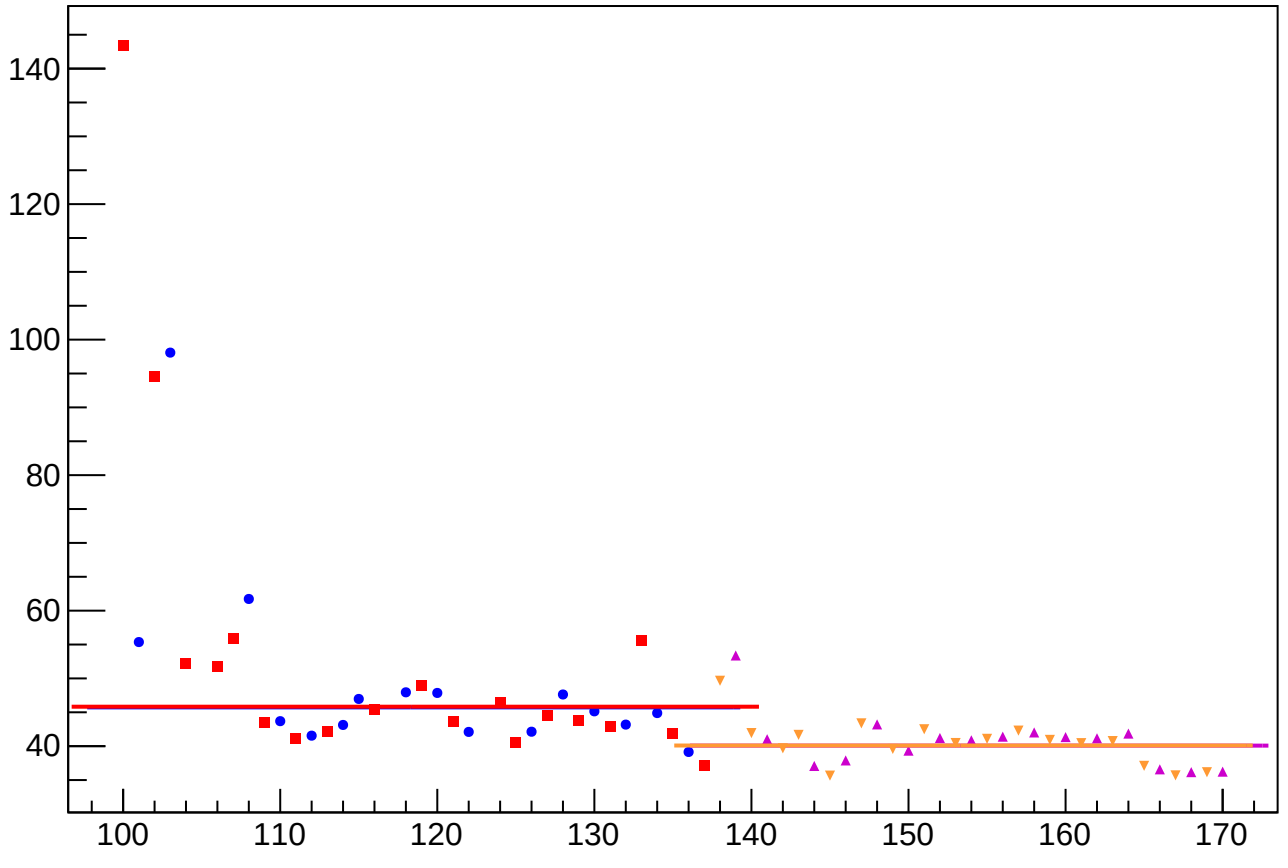
Left: -26.062+/-7.809 χ^2/NDF: 62.6/32

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -16.641+/-9.289 χ^2/NDF:71.7/35

All: -12.422+/-6.594 χ^2/NDF: 105.3/67



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.098+/-0.008 χ^2/NDF:160483.8/16

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

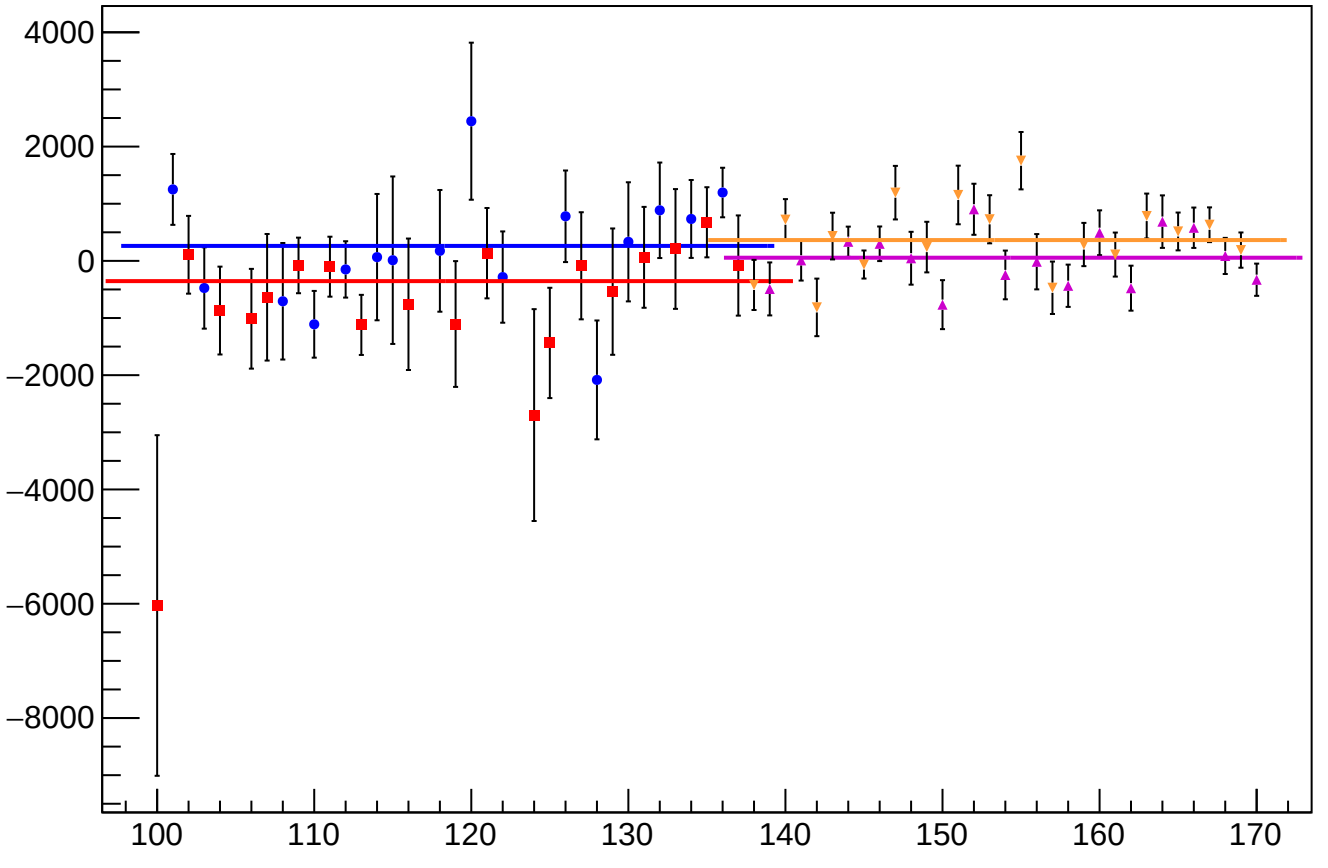
Left: 40.089+/-0.006 χ^2/NDF: 354296.3/32

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.702+/-0.007 χ^2/NDF:844171.5/31

Out: 41.741+/-0.007 χ^2/NDF:854565.1/35

All: 41.722+/-0.005 χ^2/NDF: 1698754.4/67



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 364.085+/-92.090 χ^2/NDF:32.9/16

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 55.270+/-91.935 χ^2/NDF:21.8/15

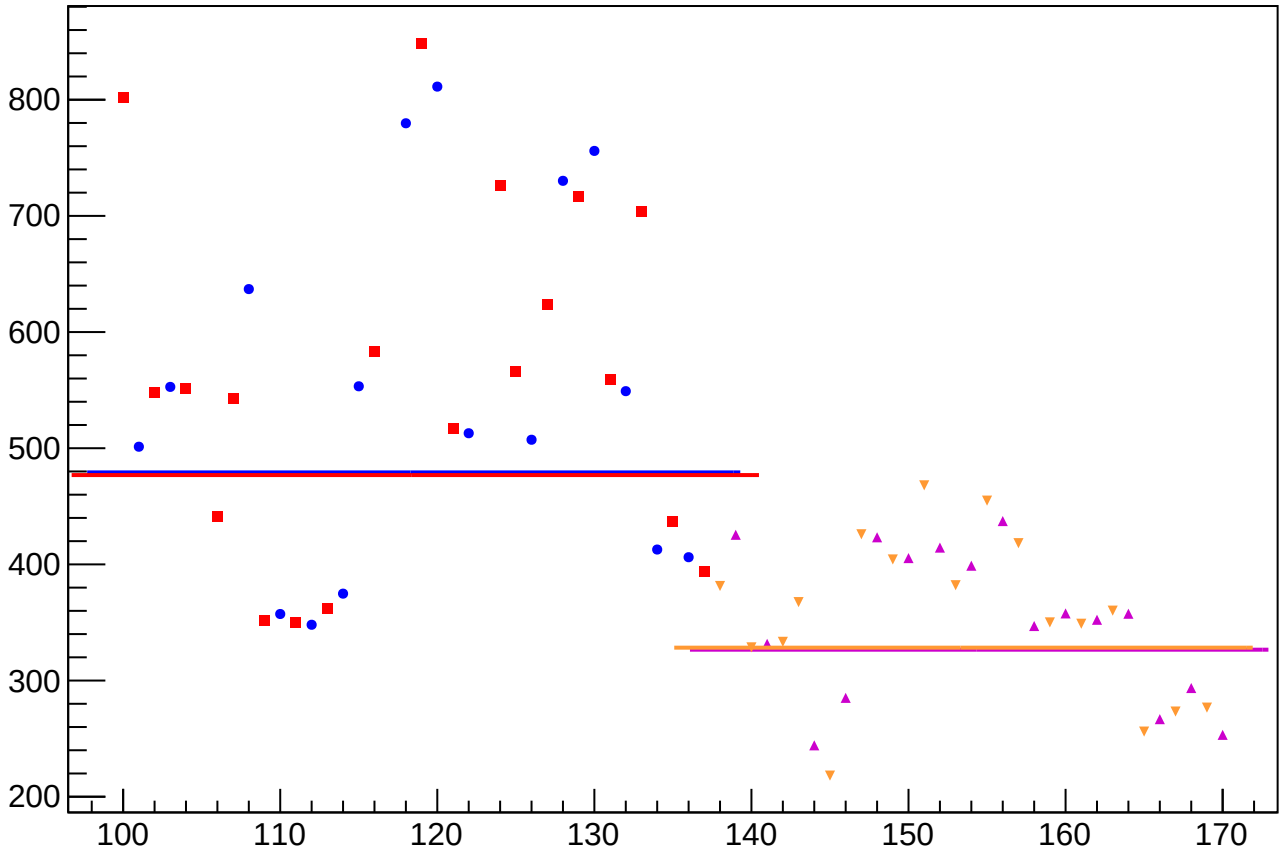
Left: 209.418+/-65.062 χ^2/NDF: 60.3/32

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 96.127+/-82.348 χ^2/NDF:47.7/31

Out: 217.547+/-82.161 χ^2/NDF:60.6/35

All: 156.975+/-58.163 χ^2/NDF: 109.4/67



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 328.313+/-0.065 χ^2/NDF:1223383.2/16

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 326.568+/-0.065 χ^2/NDF:968134.1/15

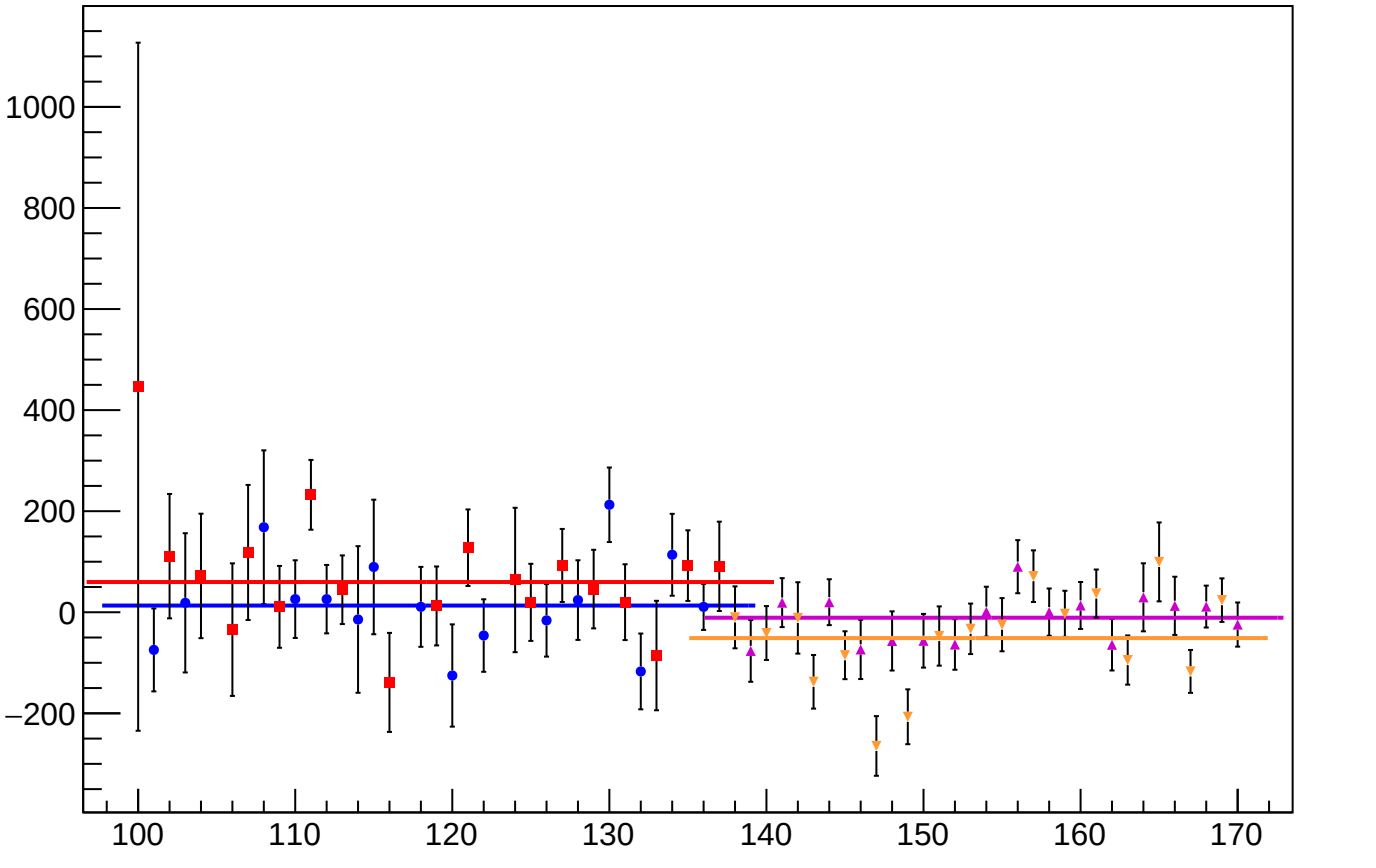
Left: 327.439+/-0.046 χ^2/NDF: 2191877.0/32

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 356.737+/-0.058 χ^2/NDF:3010322.7/31

Out: 358.625+/-0.058 χ^2/NDF:3289277.6/35

All: 357.683+/-0.041 χ^2/NDF: 6300127.3/67



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.098+/-12.615 χ^2/NDF:45.9/16

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -10.818+/-12.678 χ^2/NDF:11.7/15

Left: -31.058+/-8.942 χ^2/NDF: 62.7/32

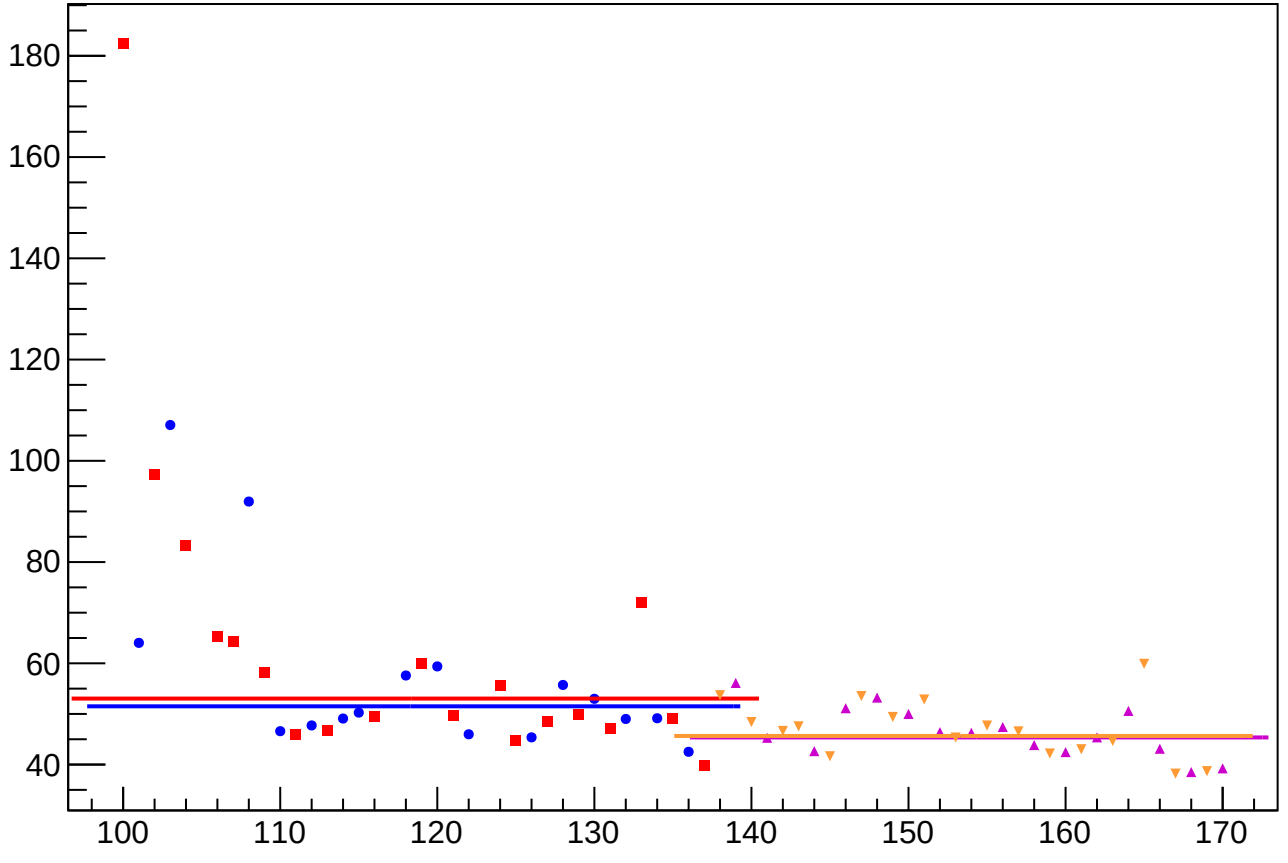
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.840+/-10.685 χ^2/NDF:30.0/31

Out: -20.054+/-10.705 χ^2/NDF:83.7/35

All: -11.932+/-7.562 χ^2/NDF: 114.8/67

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: 45.651+/-0.009 χ^2/NDF:334970.3/16

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 45.359+/-0.009 χ^2/NDF:263180.1/15

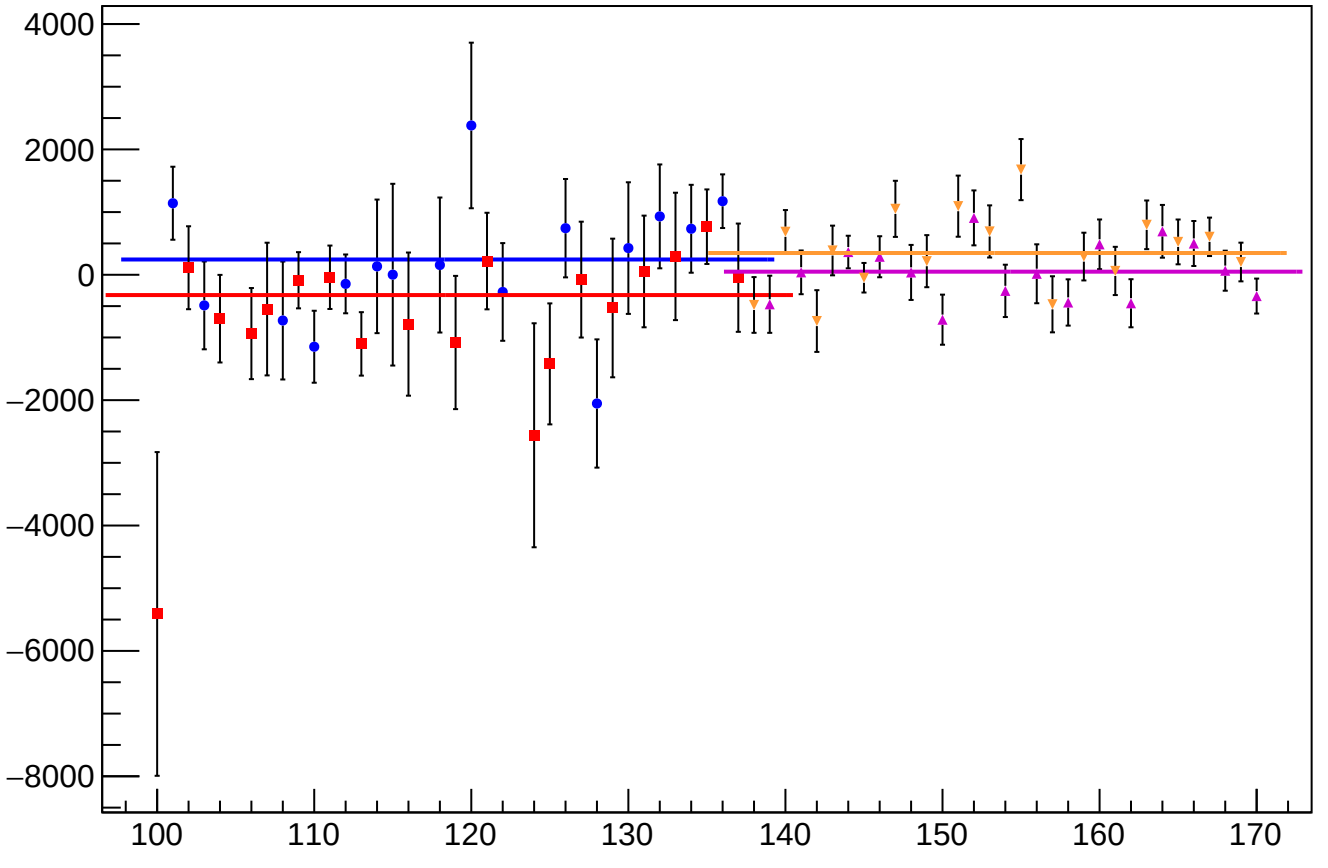
Left: 45.506+/-0.006 χ^2/NDF: 598682.9/32

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 47.140+/-0.008 χ^2/NDF:1066456.2/31

Out: 47.718+/-0.008 χ^2/NDF:1239815.8/35

All: 47.429+/-0.005 χ^2/NDF: 2309196.4/67



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 347.343+/-90.876 χ^2/NDF:31.6/16

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 49.464+/-91.026 χ^2/NDF:21.9/15

Left: 198.650+/-64.312 χ^2/NDF: 58.9/32

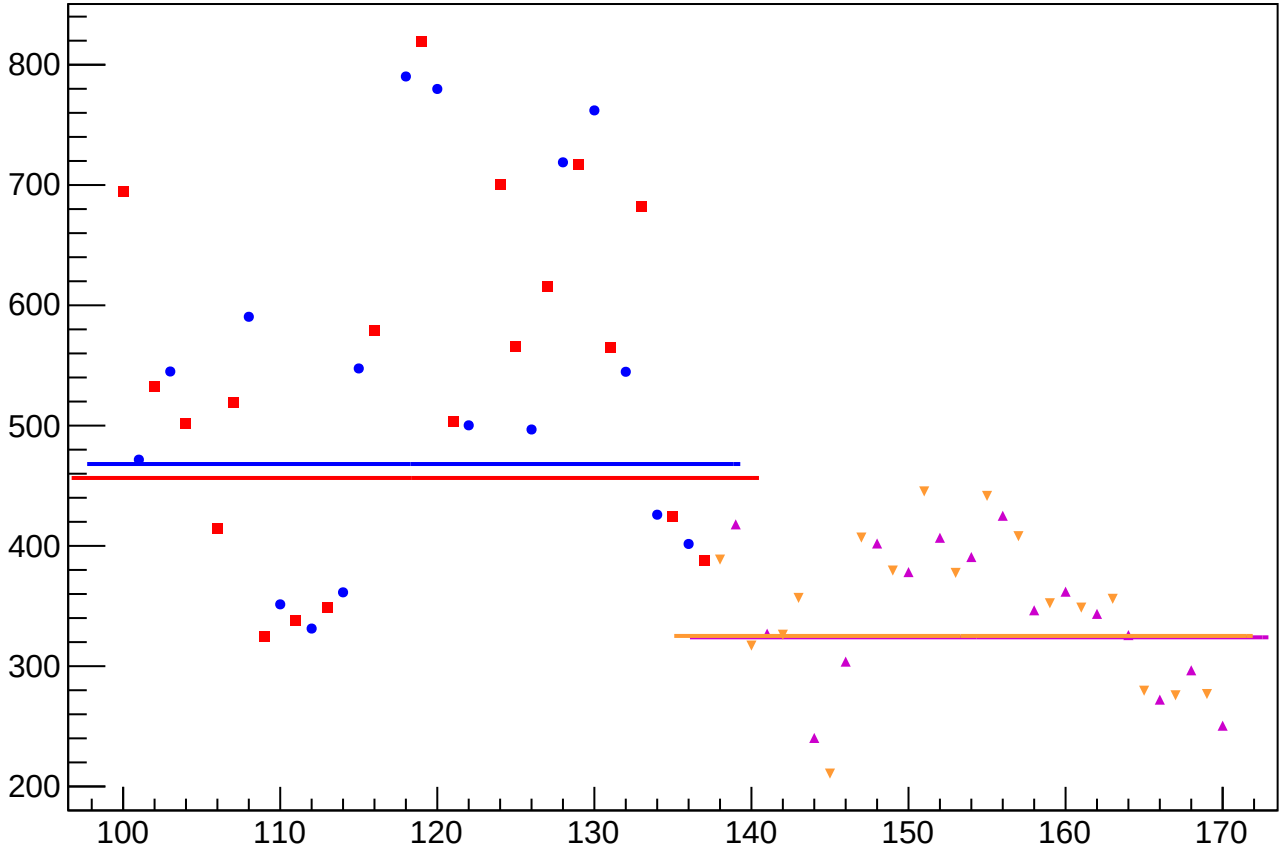
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 88.743+/-81.310 χ^2/NDF:48.4/31

Out: 203.066+/-80.515 χ^2/NDF:59.8/35

All: 146.467+/-57.212 χ^2/NDF: 109.2/67

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: 325.145+/-0.064 χ^2/NDF:1125967.9/16

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 323.986+/-0.064 χ^2/NDF:841154.1/15

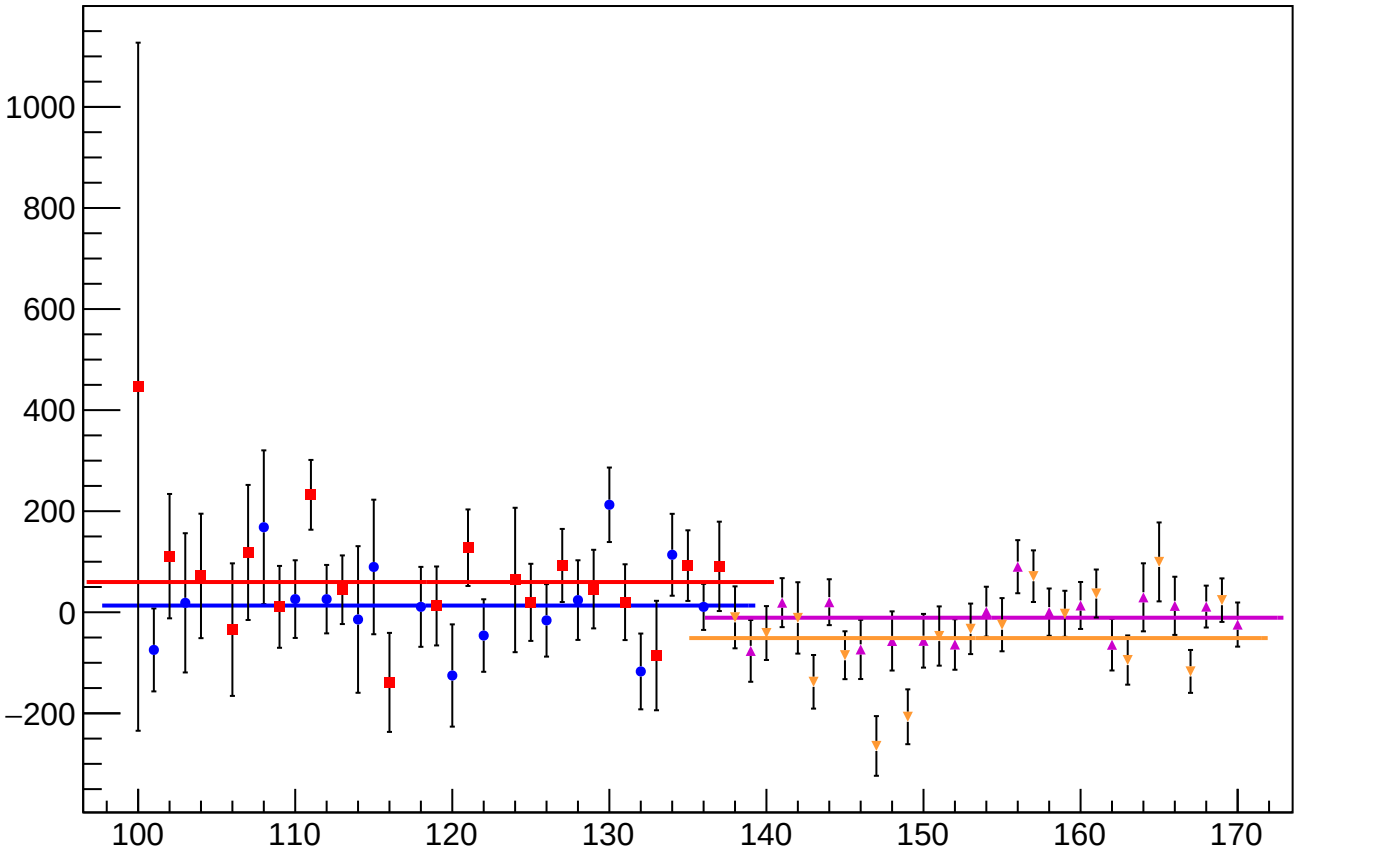
Left: 324.567+/-0.045 χ^2/NDF: 1967284.3/32

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 353.103+/-0.057 χ^2/NDF:2836684.7/31

Out: 353.383+/-0.057 χ^2/NDF:3106598.0/35

All: 353.245+/-0.040 χ^2/NDF: 5943294.7/67



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.098+/-12.615 χ^2/NDF:45.9/16

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -10.818+/-12.678 χ^2/NDF:11.7/15

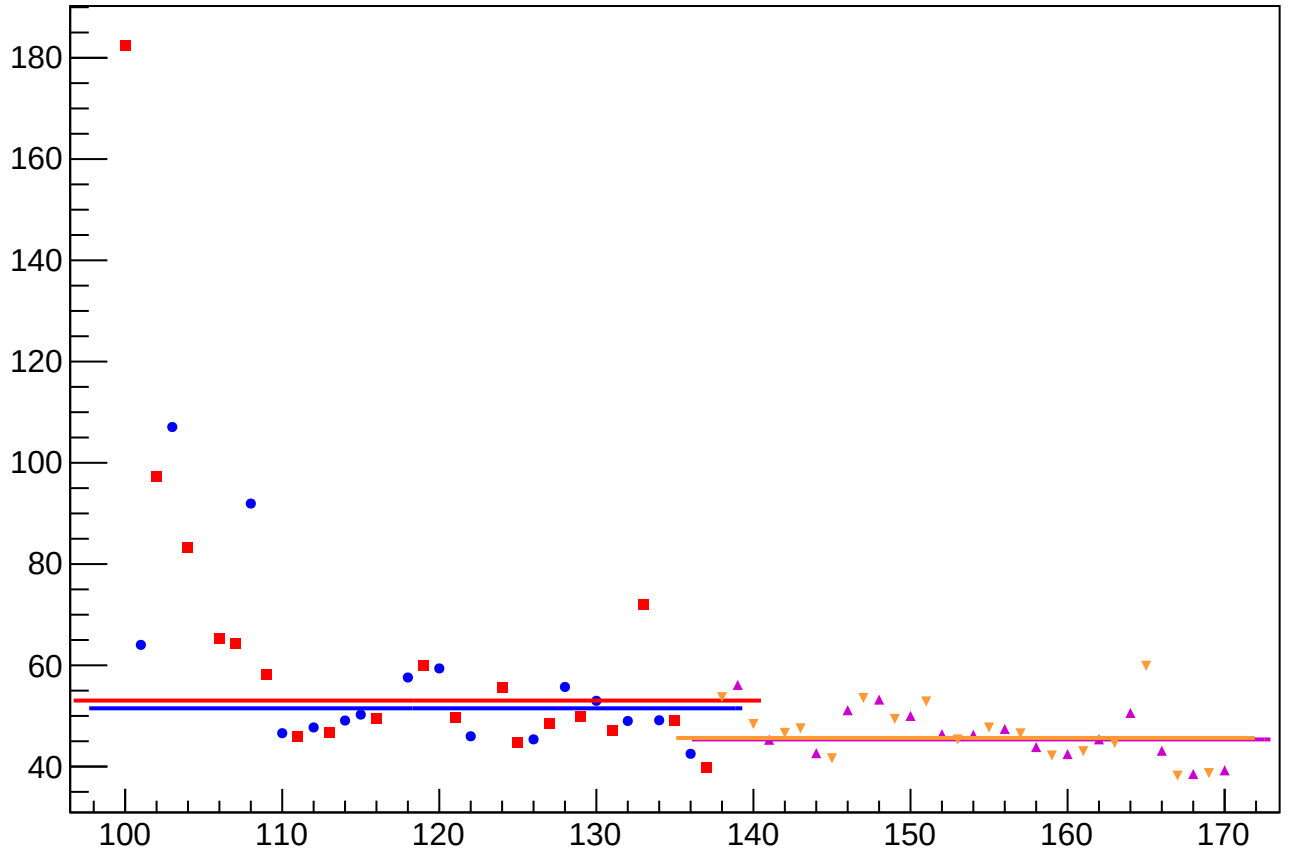
Left: -31.058+/-8.942 χ^2/NDF: 62.7/32

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.839+/-10.685 χ^2/NDF:30.0/31

Out: -20.054+/-10.705 χ^2/NDF:83.7/35

All: -11.931+/-7.562 χ^2/NDF: 114.8/67



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.651+/-0.009 χ^2/NDF:334973.4/16

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.359+/-0.009 χ^2/NDF:263182.1/15

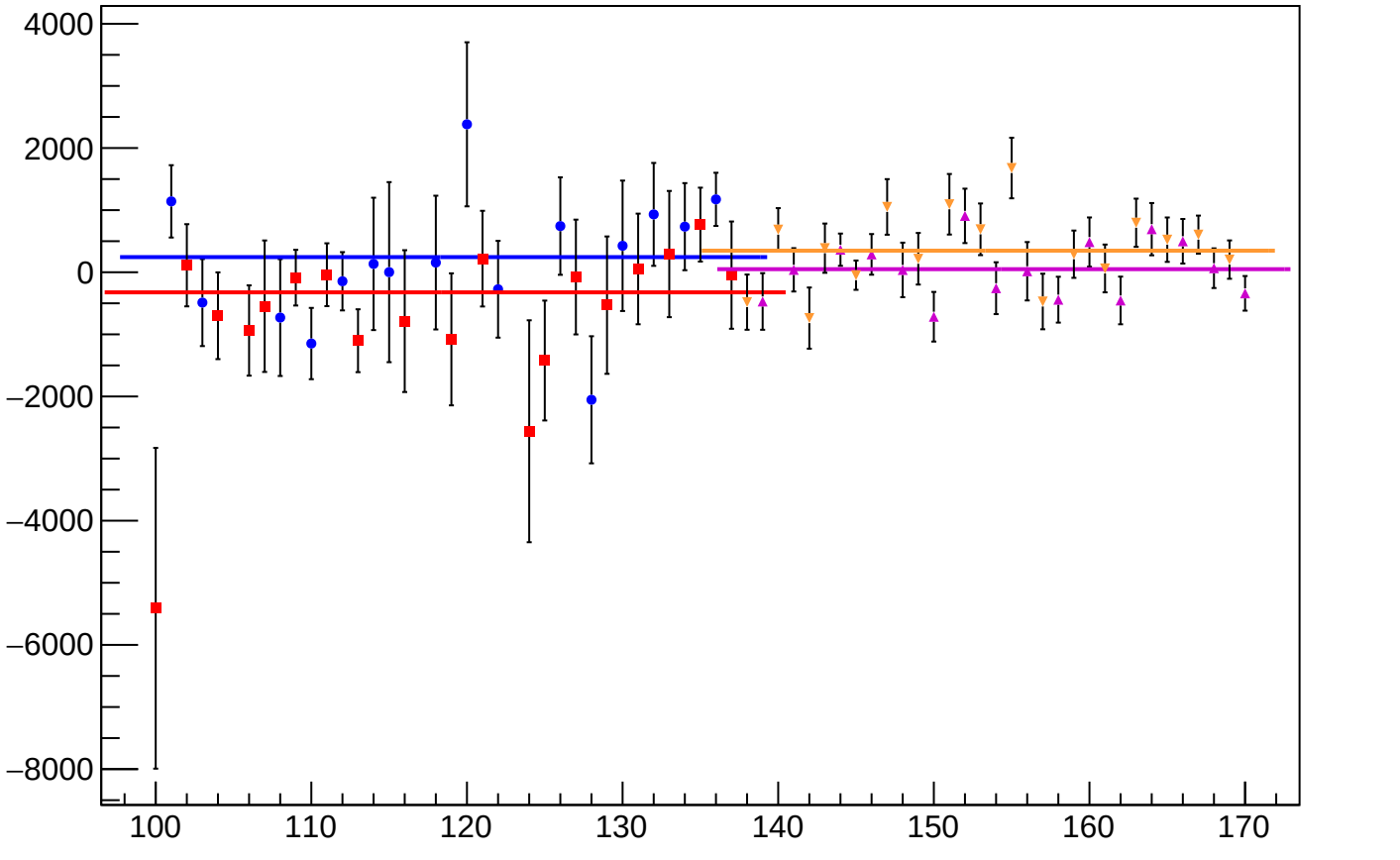
Left: 45.506+/-0.006 χ^2/NDF: 598688.1/32

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

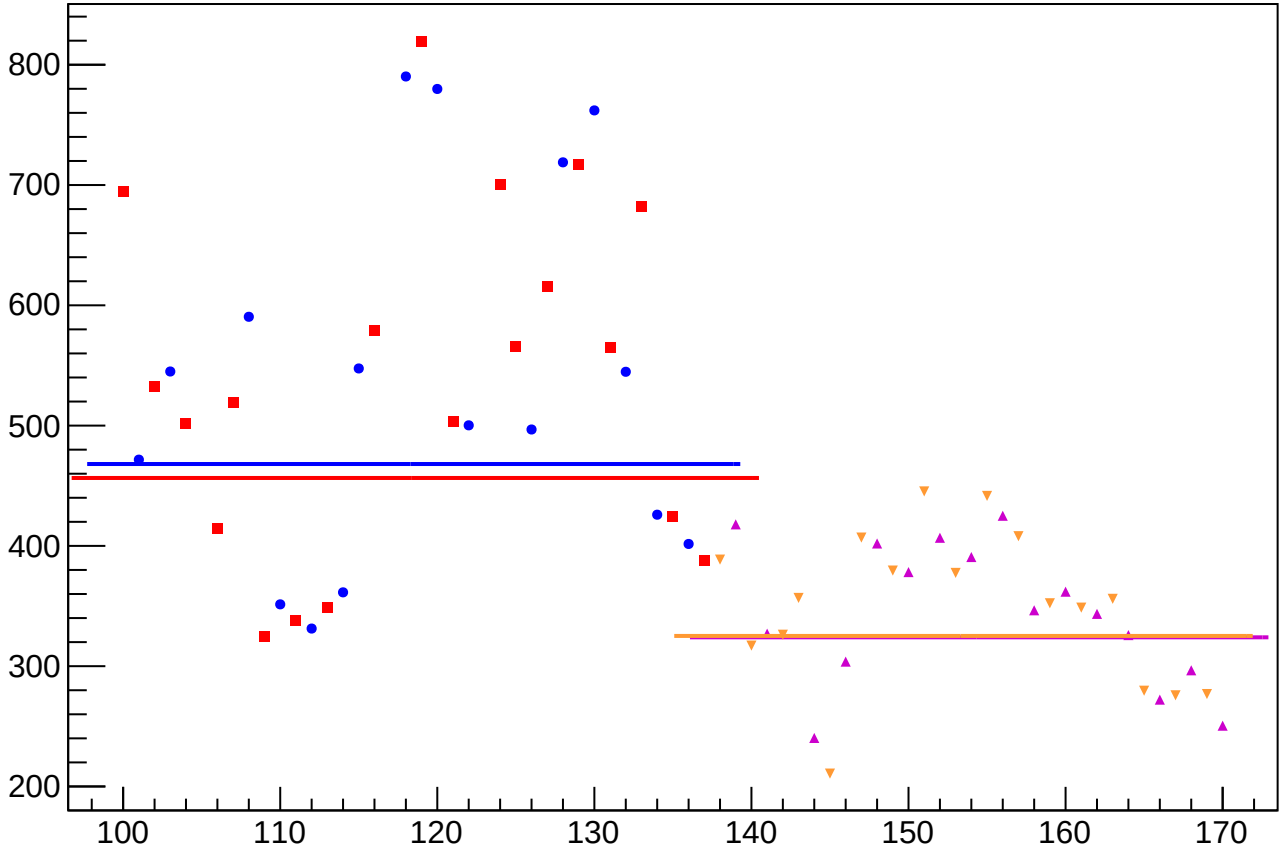
In: 47.140+/-0.008 χ^2/NDF:1066463.6/31

Out: 47.718+/-0.008 χ^2/NDF:1239828.8/35

All: 47.429+/-0.005 χ^2/NDF: 2309217.0/67


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 347.344+/-90.876 χ²/NDF:31.6/16
Right Out: -323.628+/-173.631 χ²/NDF: 16.5/18
Left In: 49.465+/-91.026 χ²/NDF:21.9/15
Left: 198.651+/-64.312 χ²/NDF: 58.9/32
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 88.744+/-81.310 χ²/NDF:48.4/31
Out: 203.066+/-80.515 χ²/NDF:59.8/35
All: 146.467+/-57.212 χ²/NDF: 109.2/67

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: 325.145+/-0.064 χ^2/NDF:1125968.3/16

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 323.987+/-0.064 χ^2/NDF:841152.9/15

Left: 324.567+/-0.045 χ^2/NDF: 1967283.6/32

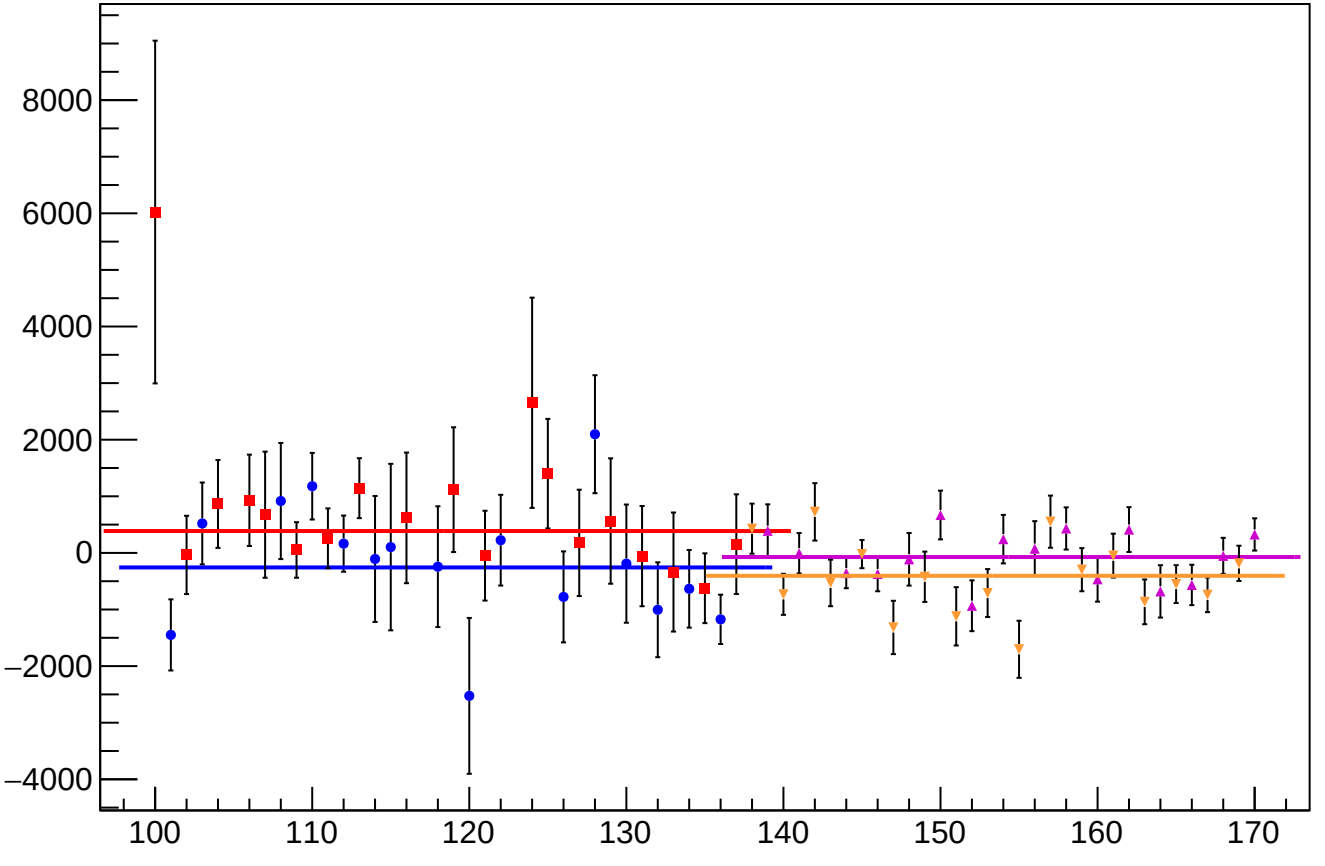
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 353.103+/-0.057 χ^2/NDF:2836672.4/31

Out: 353.383+/-0.057 χ^2/NDF:3106585.3/35

All: 353.245+/-0.040 χ^2/NDF: 5943269.6/67

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -404.721+/-92.829 χ^2/NDF:33.1/16

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -72.872+/-92.674 χ^2/NDF:20.3/15

Left: -238.518+/-65.585 χ^2/NDF: 59.8/32

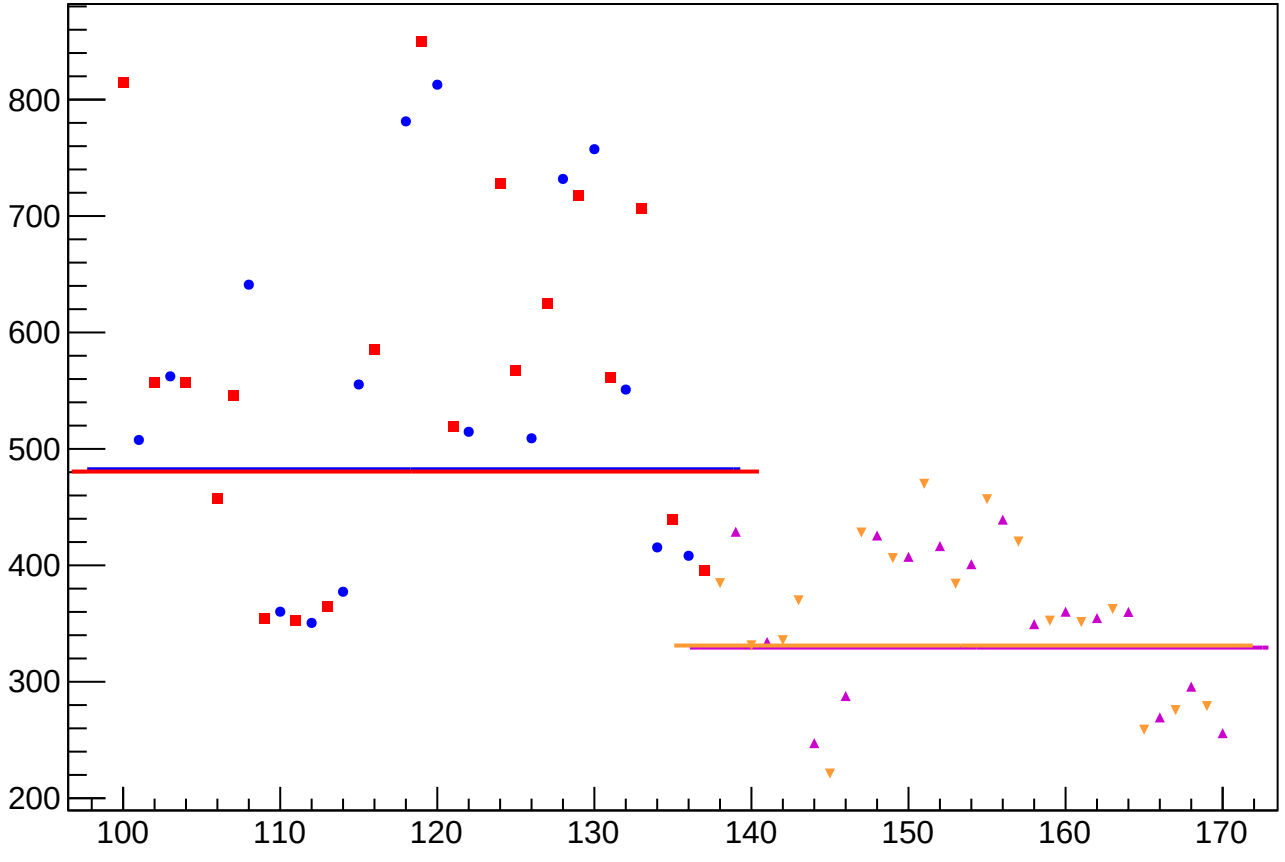
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -109.296+/-82.989 χ^2/NDF:48.0/31

Out: -241.903+/-82.728 χ^2/NDF:62.3/35

All: -175.808+/-58.590 χ^2/NDF: 111.6/67

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 331.150+/-0.066 χ^2/NDF:1195273.2/16

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 329.354+/-0.066 χ^2/NDF:947467.8/15

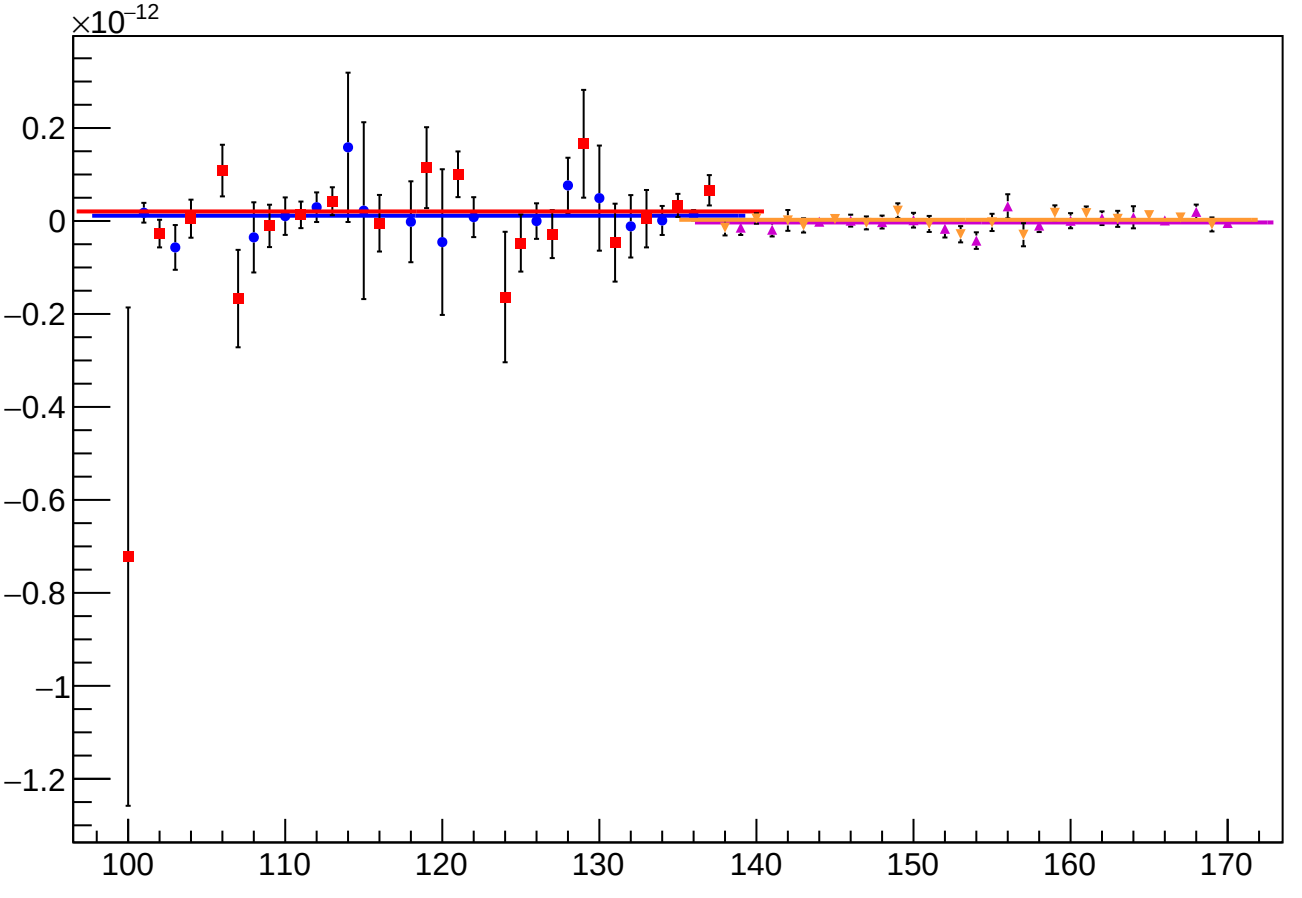
Left: 330.251+/-0.046 χ^2/NDF: 2143115.8/32

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 359.693+/-0.059 χ^2/NDF:2976064.7/31

Out: 361.897+/-0.058 χ^2/NDF:3255287.0/35

All: 360.799+/-0.041 χ^2/NDF: 6232059.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/15

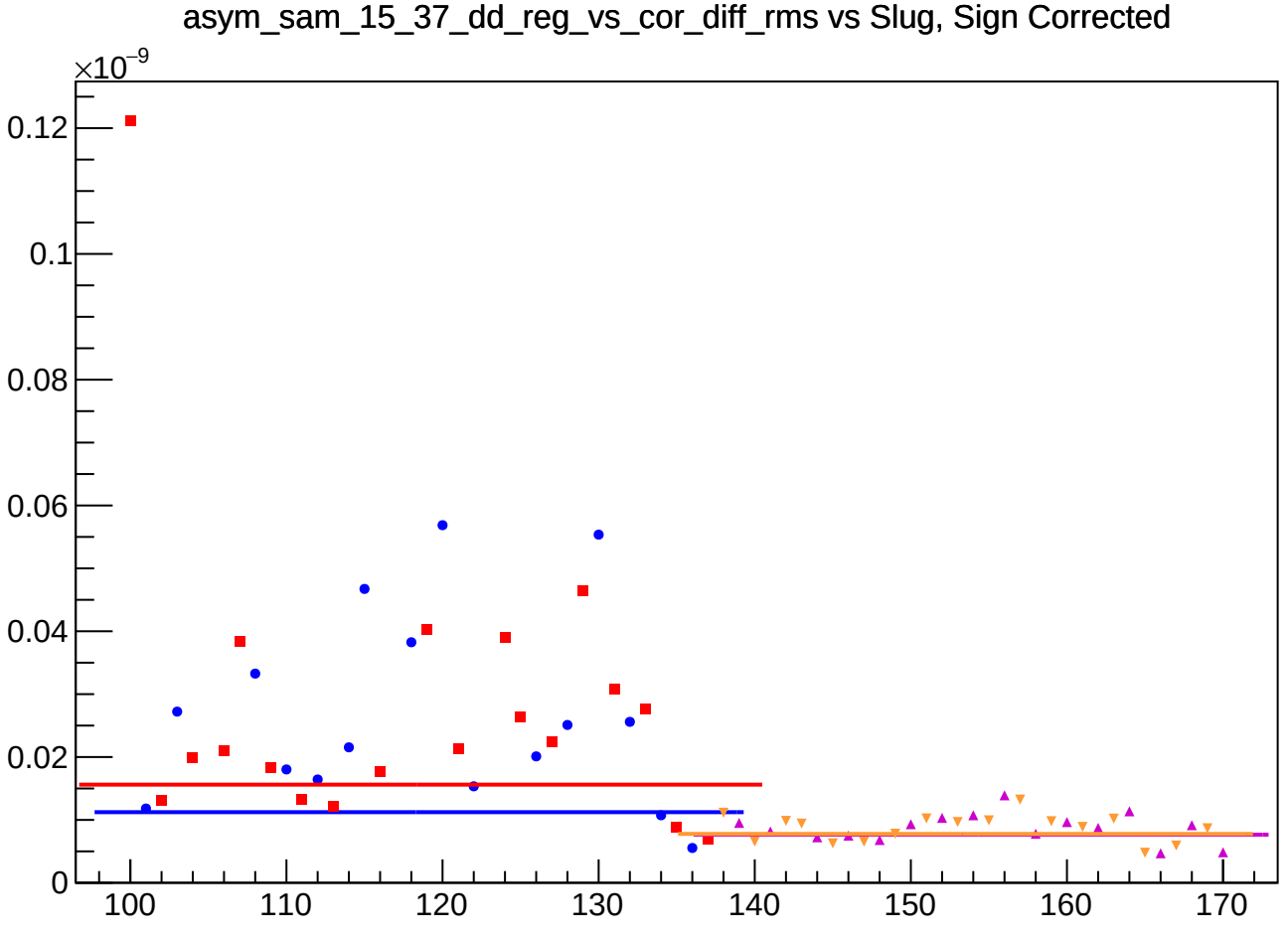
Left: -0.000+/-0.000 χ^2/NDF: 25.6/32

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:20.4/31

Out: 0.000+/-0.000 χ^2/NDF:38.5/35

All: 0.000+/-0.000 χ^2/NDF: 60.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:714018.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:737501.7/15

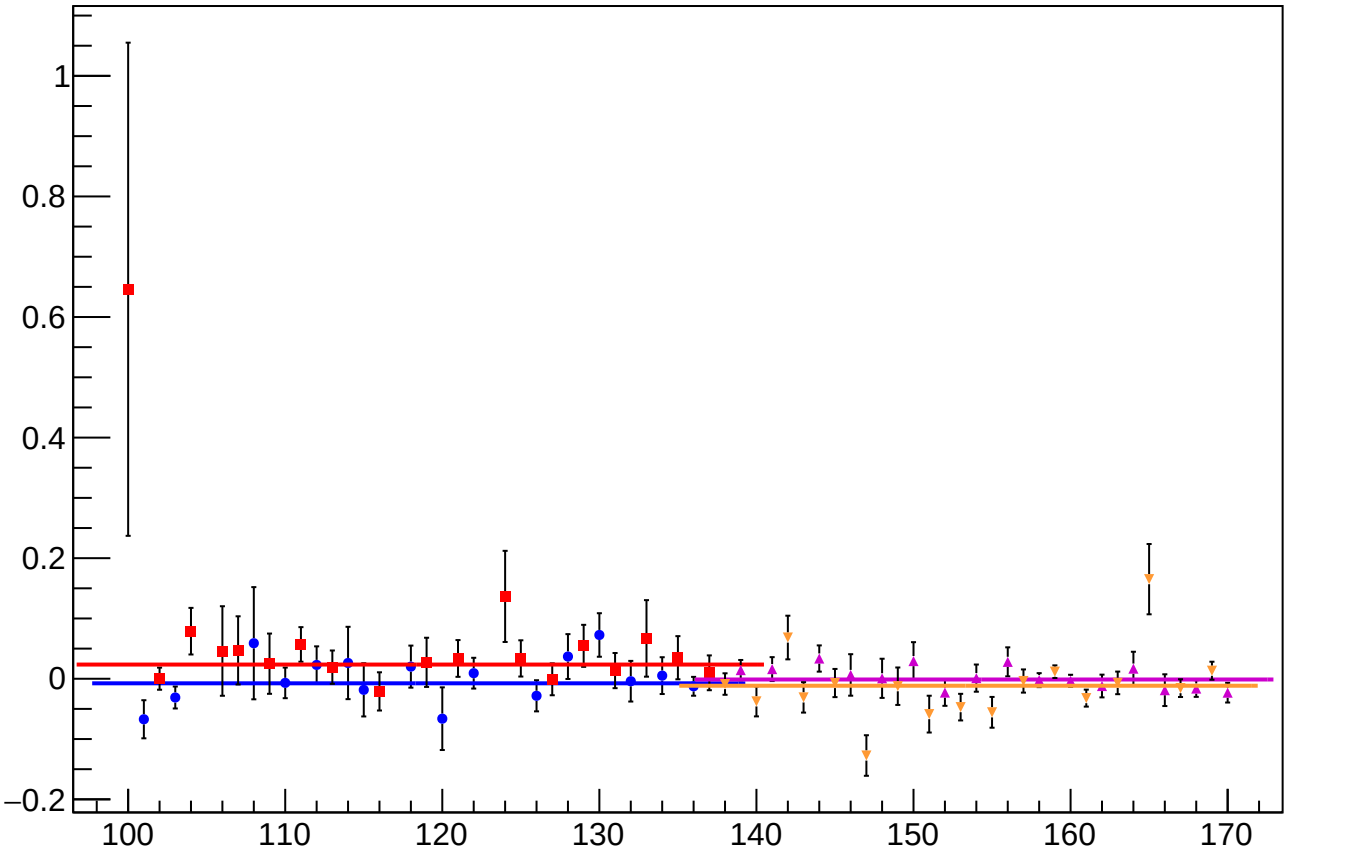
Left: 0.000+/-0.000 χ^2/NDF: 1452837.8/32

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3177037.6/31

Out: 0.000+/-0.000 χ^2/NDF:2946455.4/35

All: 0.000+/-0.000 χ^2/NDF: 6134541.9/67



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.005 χ^2/NDF:45.7/16

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:11.8/15

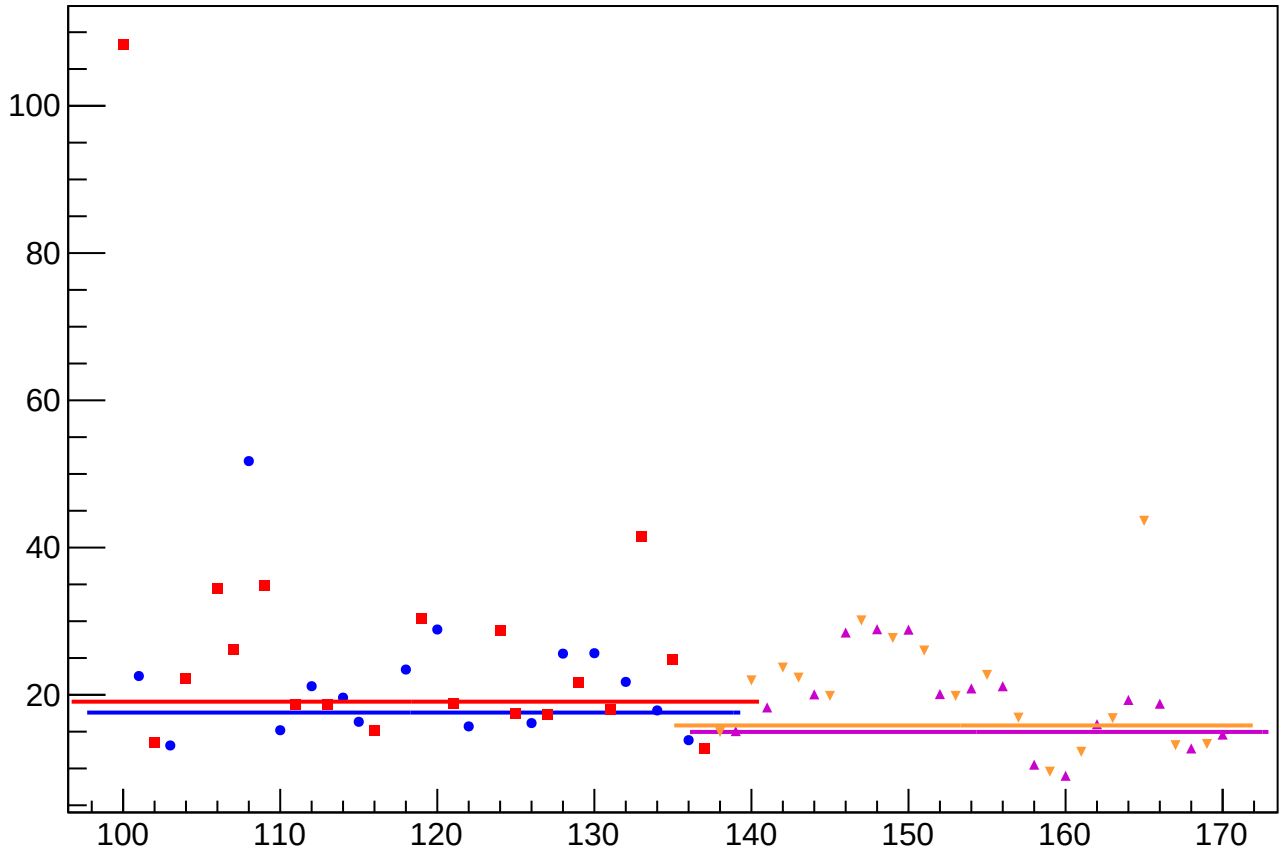
Left: -0.006+/-0.003 χ^2/NDF: 60.1/32

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.002+/-0.004 χ^2/NDF:75.4/35

All: -0.003+/-0.003 χ^2/NDF: 104.5/67



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.843+/-0.003 χ^2/NDF:2933301.6/16

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.961+/-0.003 χ^2/NDF:2766117.8/15

Left: 15.383+/-0.002 χ^2/NDF: 5735679.0/32

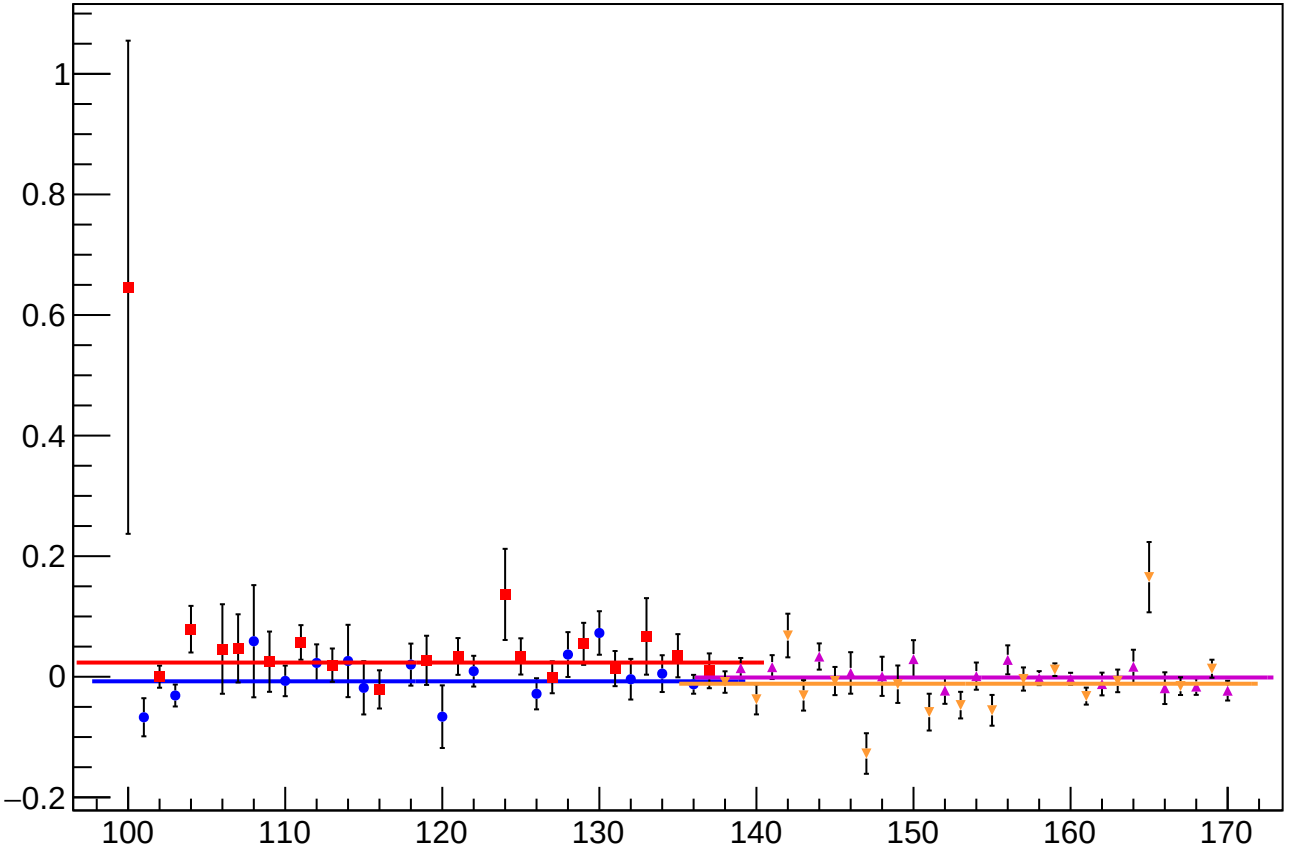
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.707+/-0.003 χ^2/NDF:3950556.8/31

Out: 16.722+/-0.003 χ^2/NDF:4434328.4/35

All: 16.189+/-0.002 χ^2/NDF: 8451269.1/67

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+/-0.005 χ^2/NDF:45.7/16

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.1/32

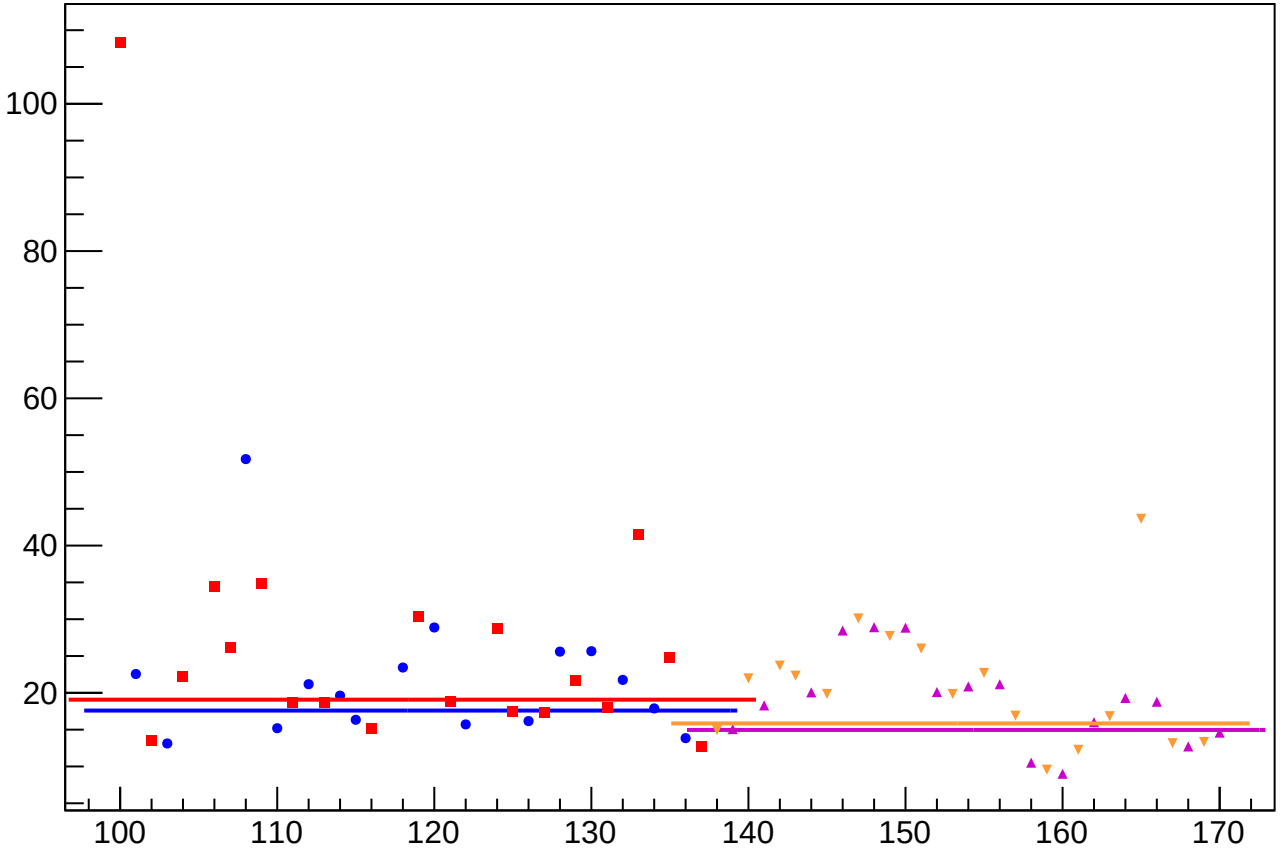
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.002+/-0.004 χ^2/NDF:75.4/35

All: -0.003+/-0.003 χ^2/NDF: 104.5/67

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: 15.843+/-0.003 χ^2/NDF:2933301.6/16

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.961+/-0.003 χ^2/NDF:2766117.8/15

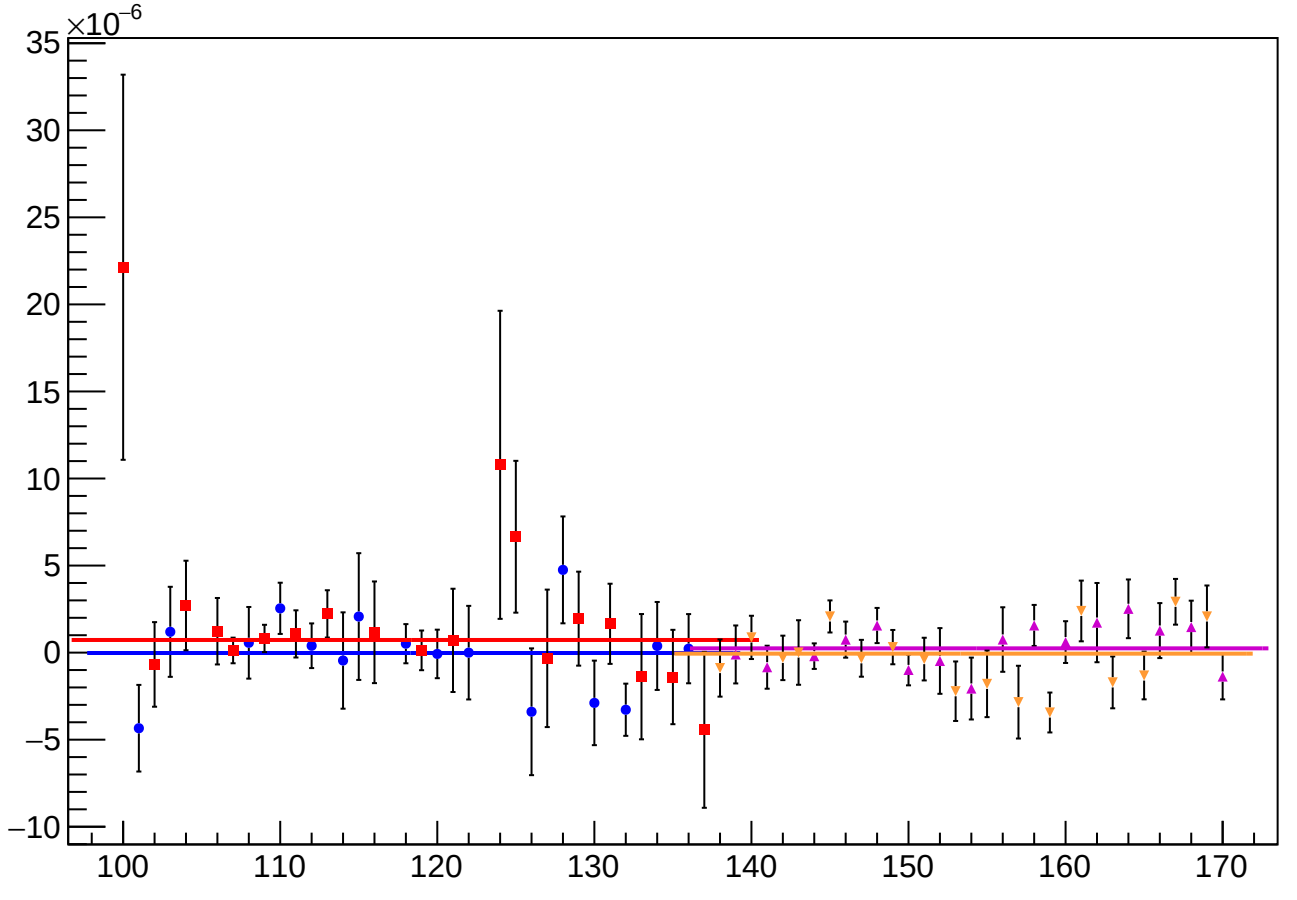
Left: 15.383+/-0.002 χ^2/NDF: 5735679.0/32

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.707+/-0.003 χ^2/NDF:3950556.8/31

Out: 16.722+/-0.003 χ^2/NDF:4434328.4/35

All: 16.189+/-0.002 χ^2/NDF: 8451269.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/15

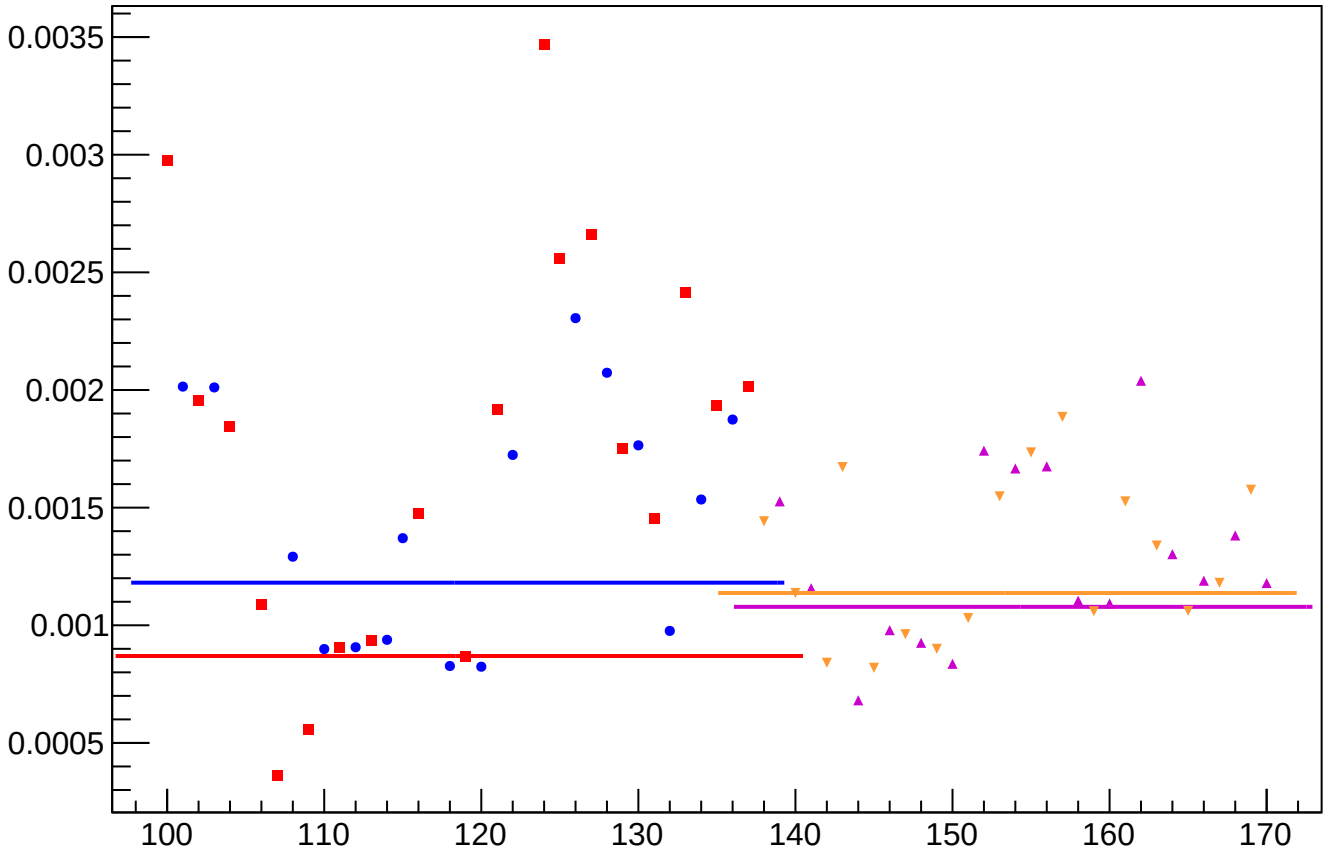
Left: 0.000+/-0.000 χ^2/NDF: 43.6/32

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:29.9/31

Out: 0.000+/-0.000 χ^2/NDF:45.4/35

All: 0.000+/-0.000 χ^2/NDF: 75.3/67



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1610603.8/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2122880.0/15

Left: 0.001+/-0.000 χ^2/NDF: 3767735.0/32

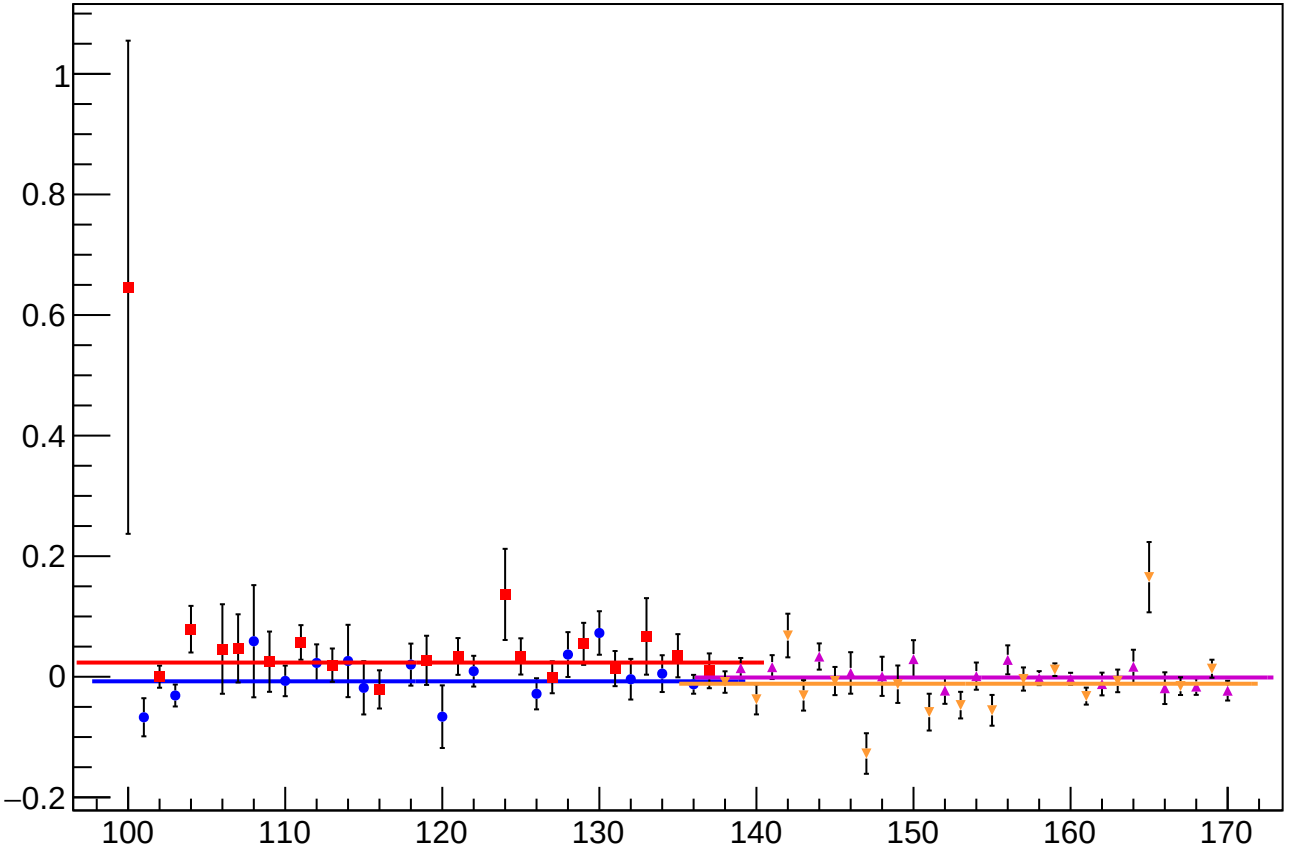
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4017045.5/31

Out: 0.001+/-0.000 χ^2/NDF:6618515.0/35

All: 0.001+/-0.000 χ^2/NDF: 10747090.7/67

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+/-0.005 χ^2/NDF:45.7/16

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.1/32

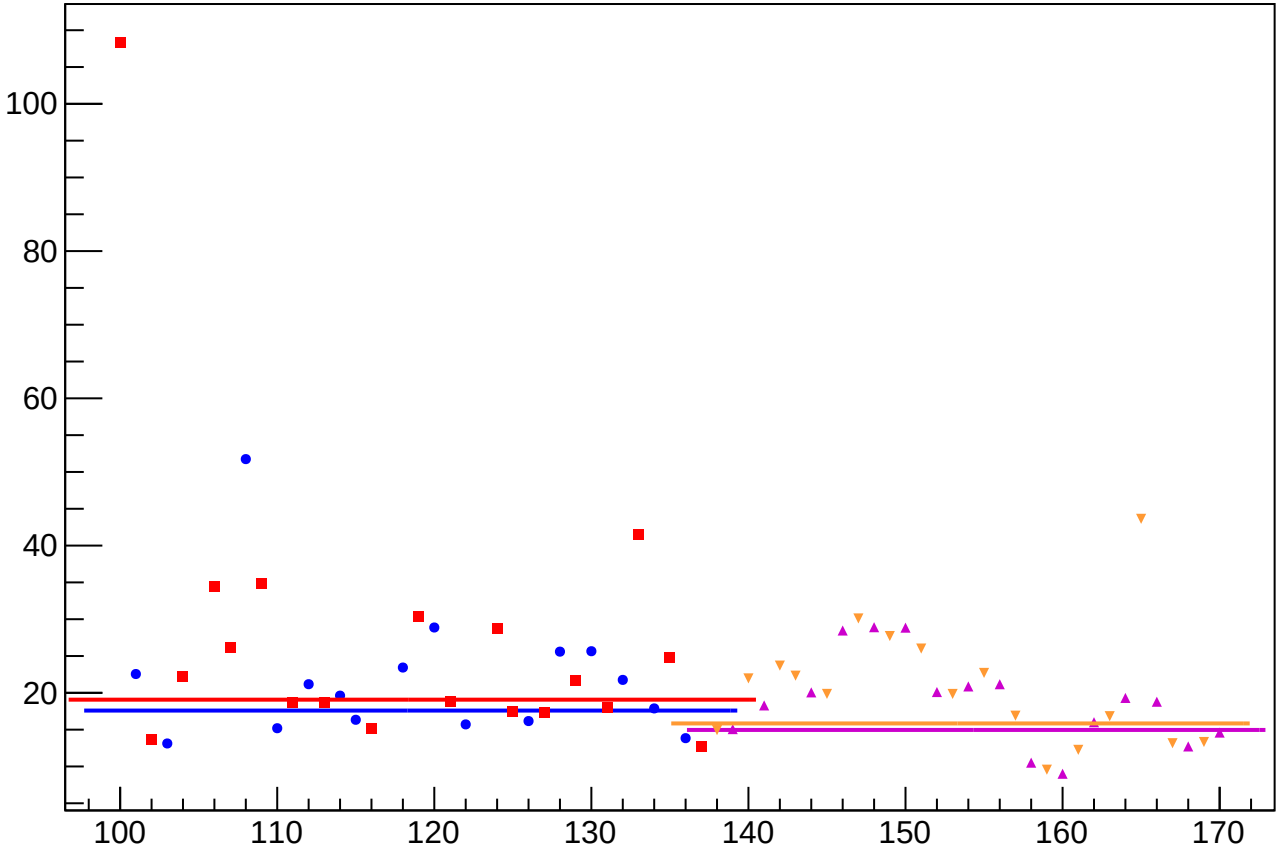
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.002+/-0.004 χ^2/NDF:75.4/35

All: -0.003+/-0.003 χ^2/NDF: 104.5/67

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: 15.843+/-0.003 χ^2/NDF:2933563.7/16

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.960+/-0.003 χ^2/NDF:2766429.6/15

Left: 15.382+/-0.002 χ^2/NDF: 5736263.1/32

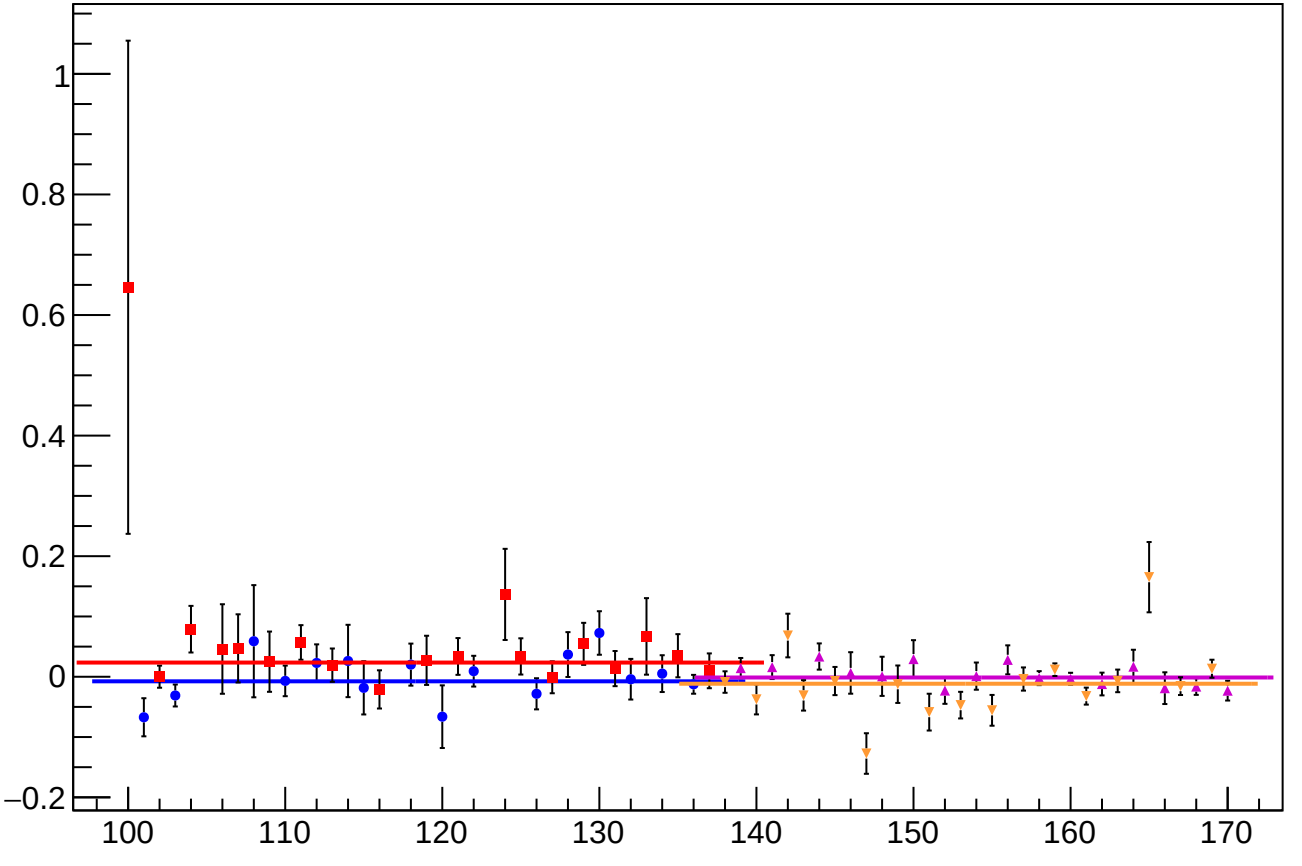
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.707+/-0.003 χ^2/NDF:3950968.5/31

Out: 16.722+/-0.003 χ^2/NDF:4434601.9/35

All: 16.188+/-0.002 χ^2/NDF: 8451974.7/67

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+/-0.005 χ^2/NDF:45.7/16

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.1/32

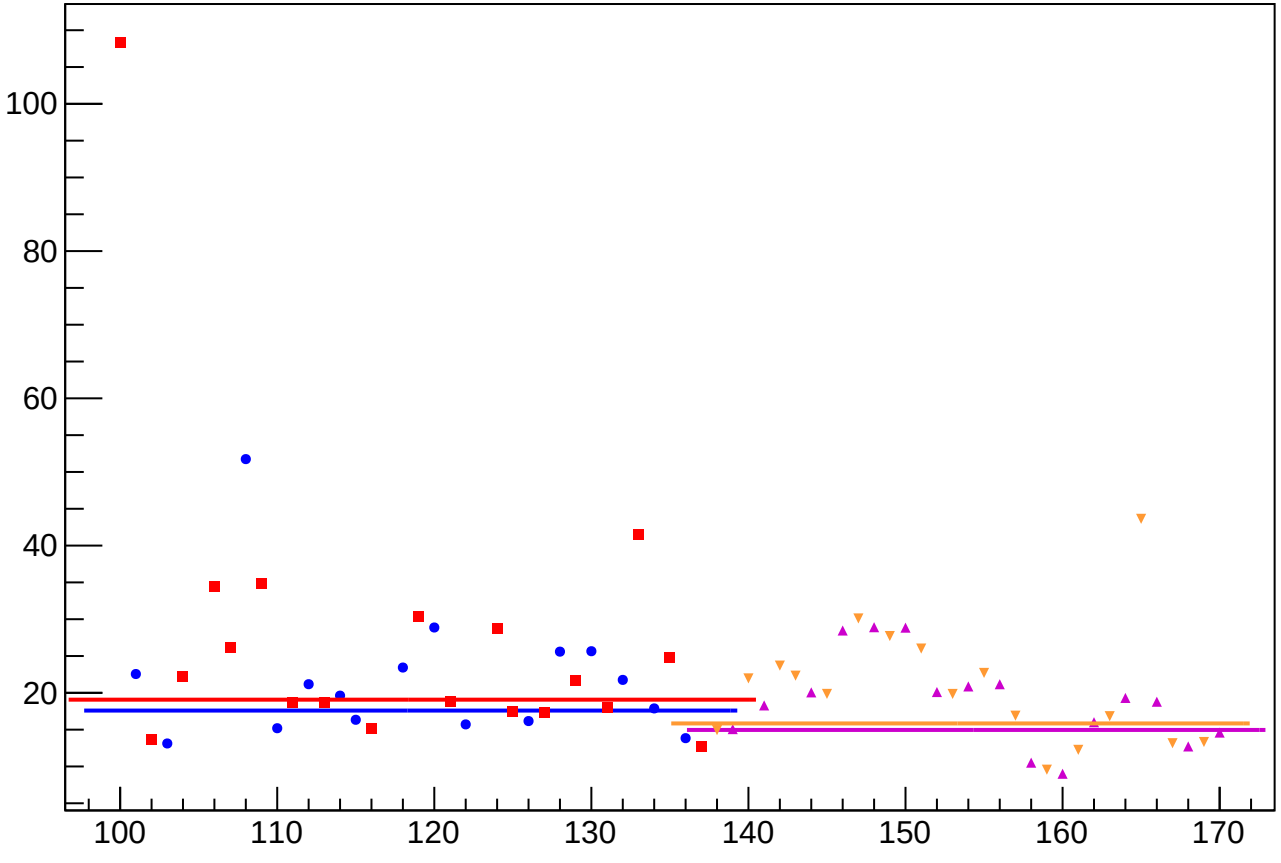
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.002+/-0.004 χ^2/NDF:75.4/35

All: -0.003+/-0.003 χ^2/NDF: 104.5/67

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: 15.843+/-0.003 χ^2/NDF:2933563.7/16

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.960+/-0.003 χ^2/NDF:2766429.6/15

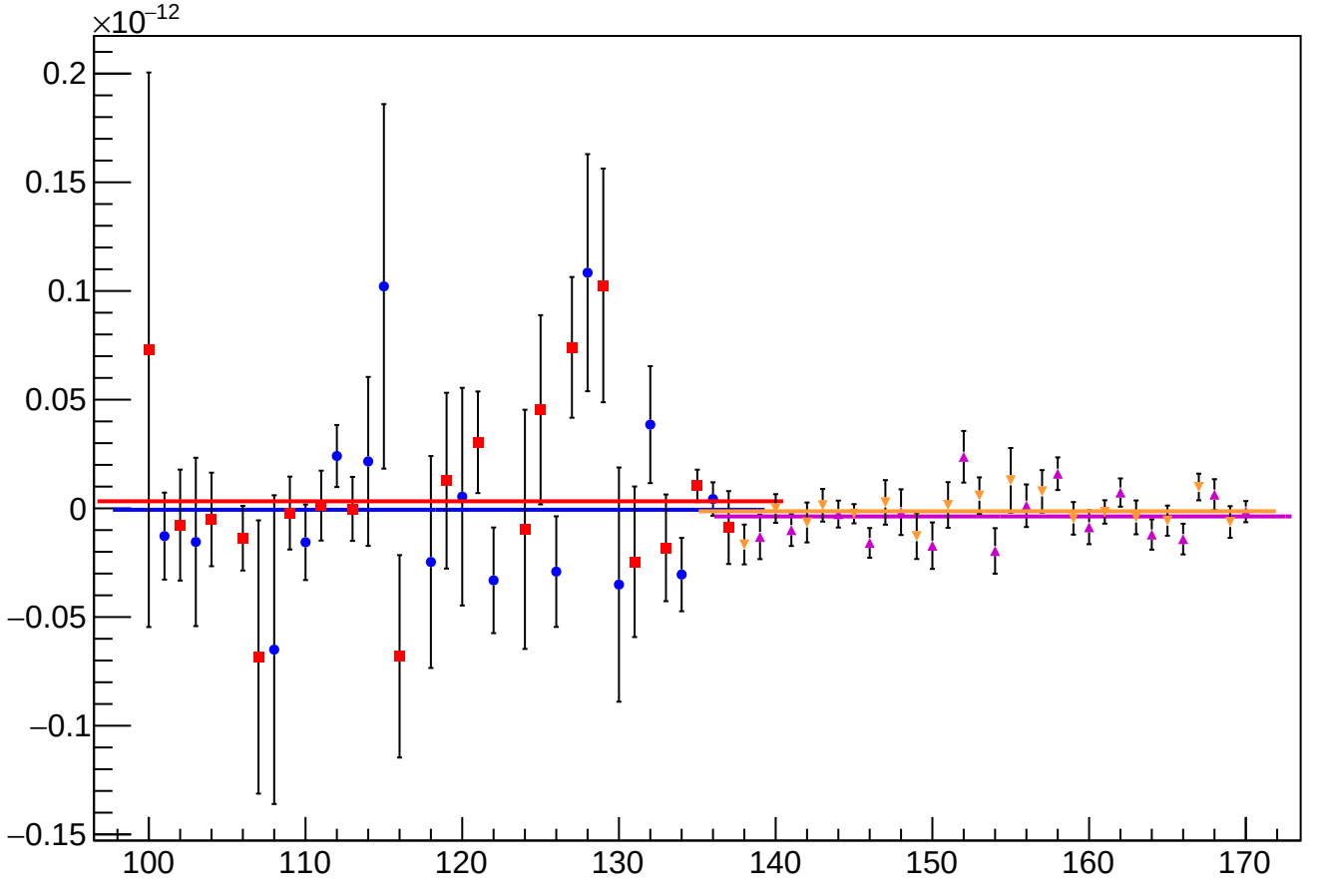
Left: 15.382+/-0.002 χ^2/NDF: 5736263.1/32

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.707+/-0.003 χ^2/NDF:3950968.5/31

Out: 16.722+/-0.003 χ^2/NDF:4434601.9/35

All: 16.188+/-0.002 χ^2/NDF: 8451974.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:30.2/15

Left: -0.000+/-0.000 χ^2/NDF: 42.9/32

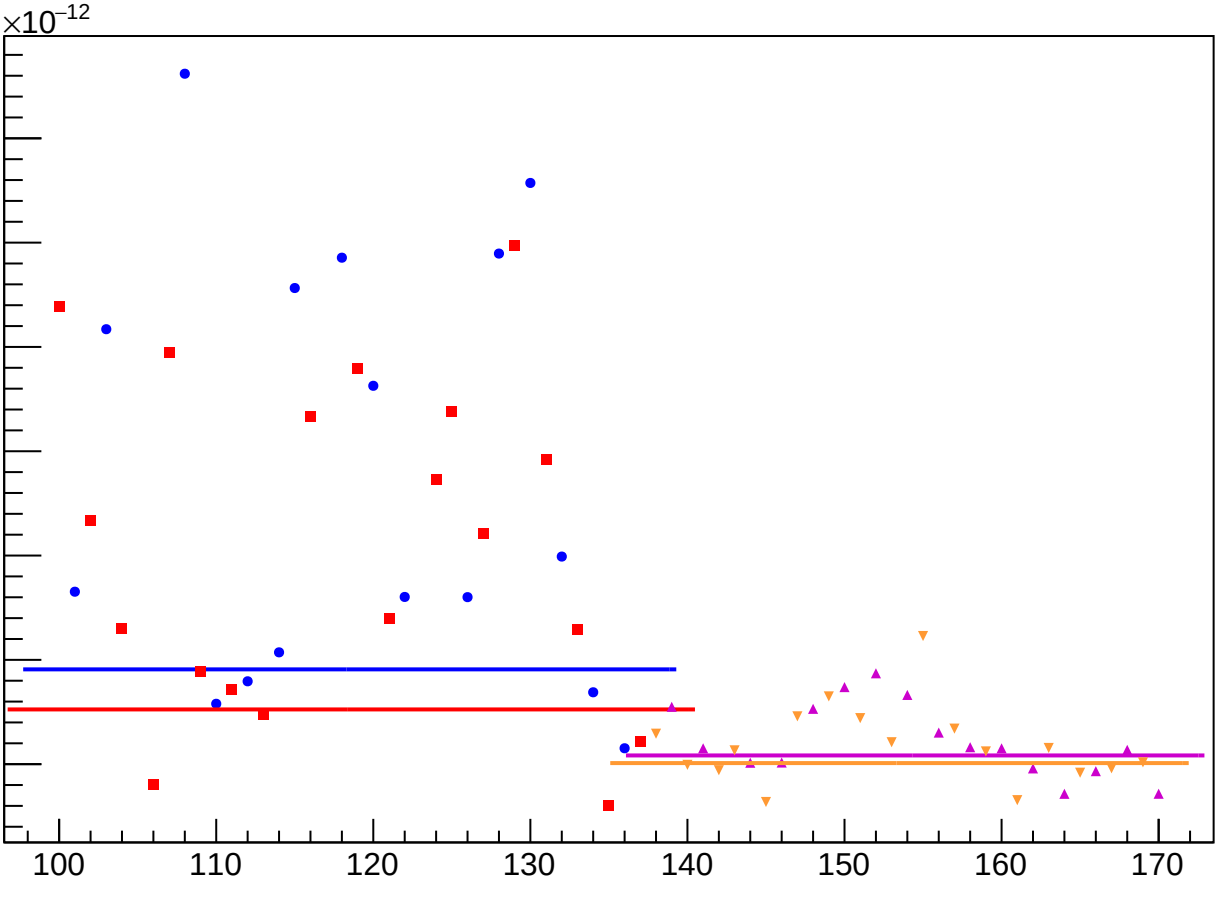
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: -0.000+/-0.000 χ^2/NDF:31.9/35

All: -0.000+/-0.000 χ^2/NDF: 83.9/67

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1463622.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1272517.5/15

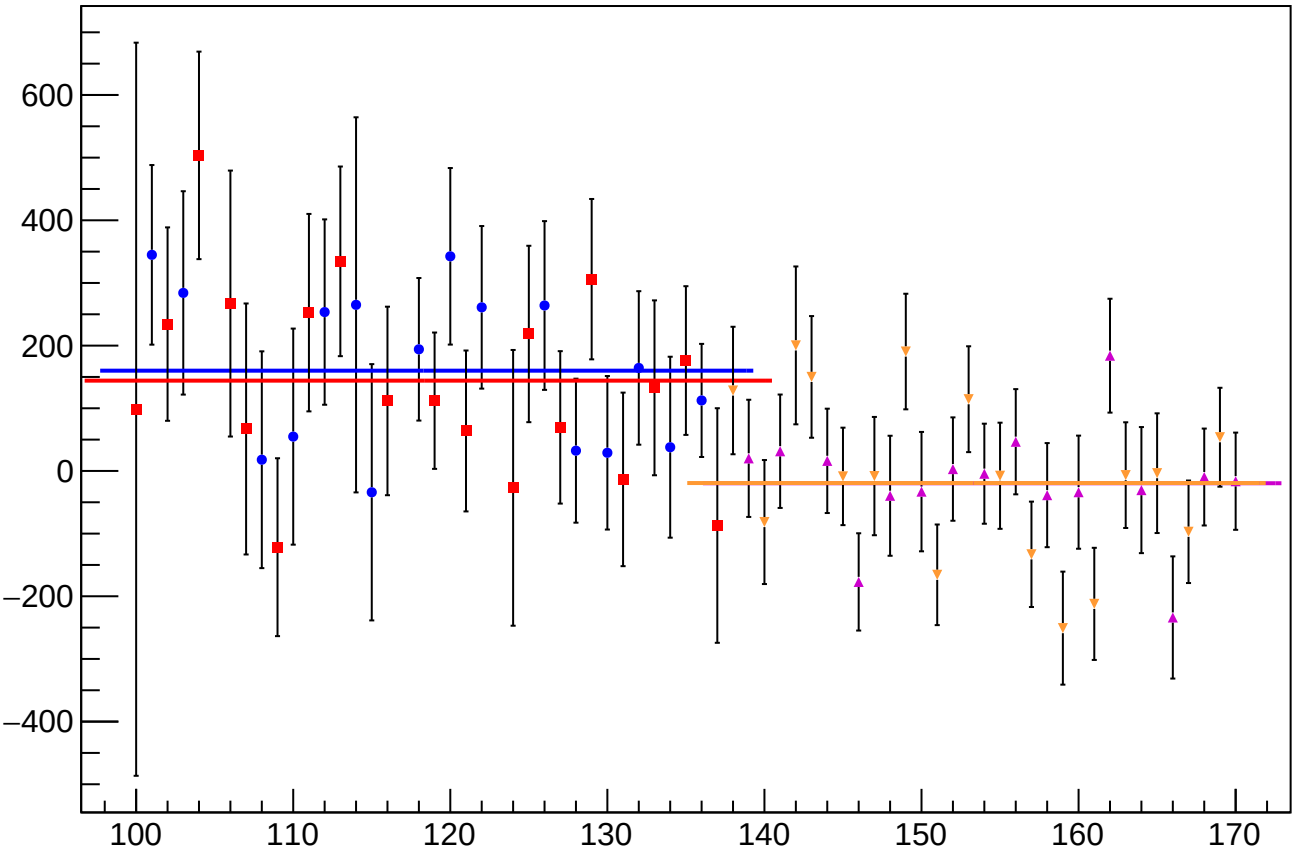
Left: 0.000+/-0.000 χ^2/NDF: 2775583.0/32

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5069464.6/31

Out: 0.000+/-0.000 χ^2/NDF:5115754.4/35

All: 0.000+/-0.000 χ^2/NDF: 10273565.3/67



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.297+/-21.581 χ^2/NDF:34.5/16

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -19.621+/-21.628 χ^2/NDF:15.5/15

Left: -19.459+/-15.276 χ^2/NDF: 50.1/32

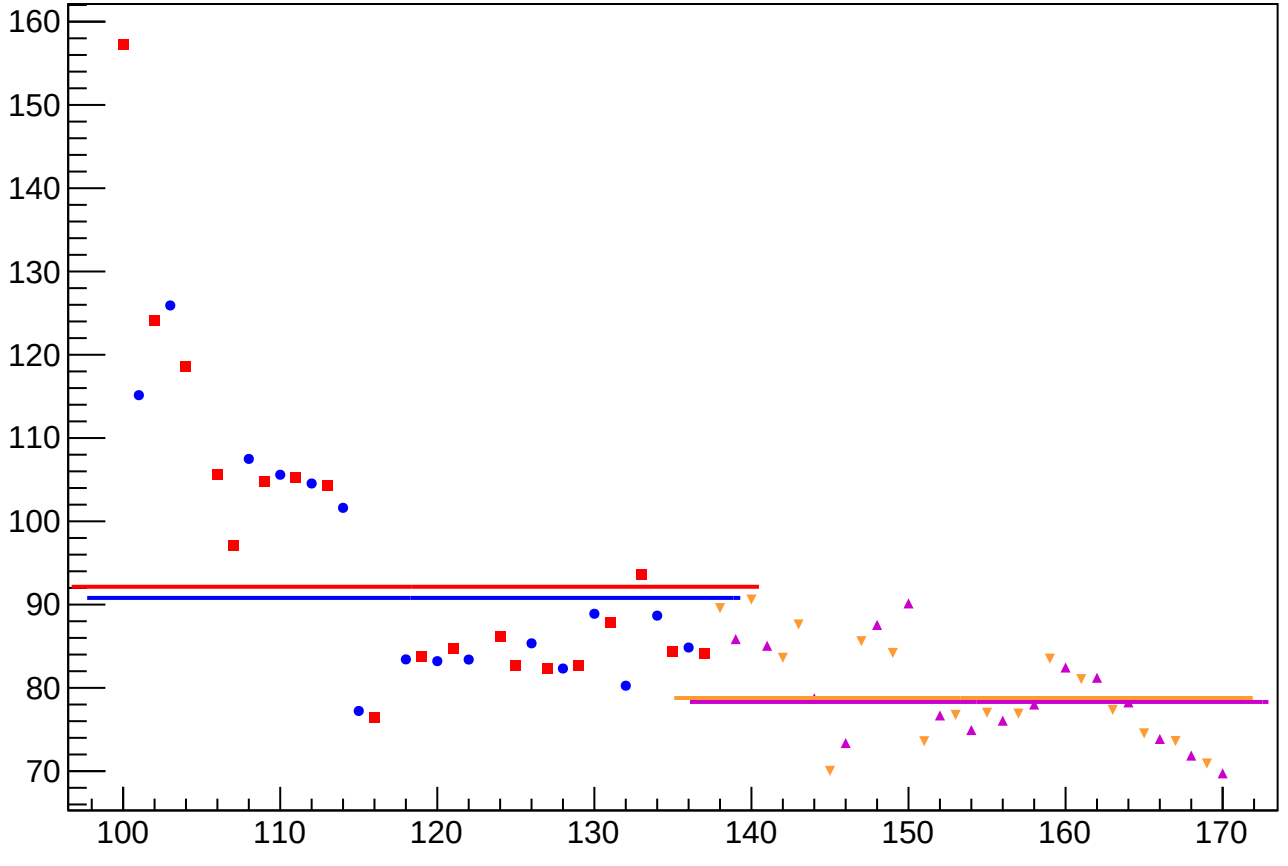
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 31.763+/-18.275 χ^2/NDF:46.3/31

Out: 27.215+/-18.253 χ^2/NDF:68.2/35

All: 29.486+/-12.914 χ^2/NDF: 114.6/67

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 78.785+/-0.015 χ^2/NDF:163678.1/16

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

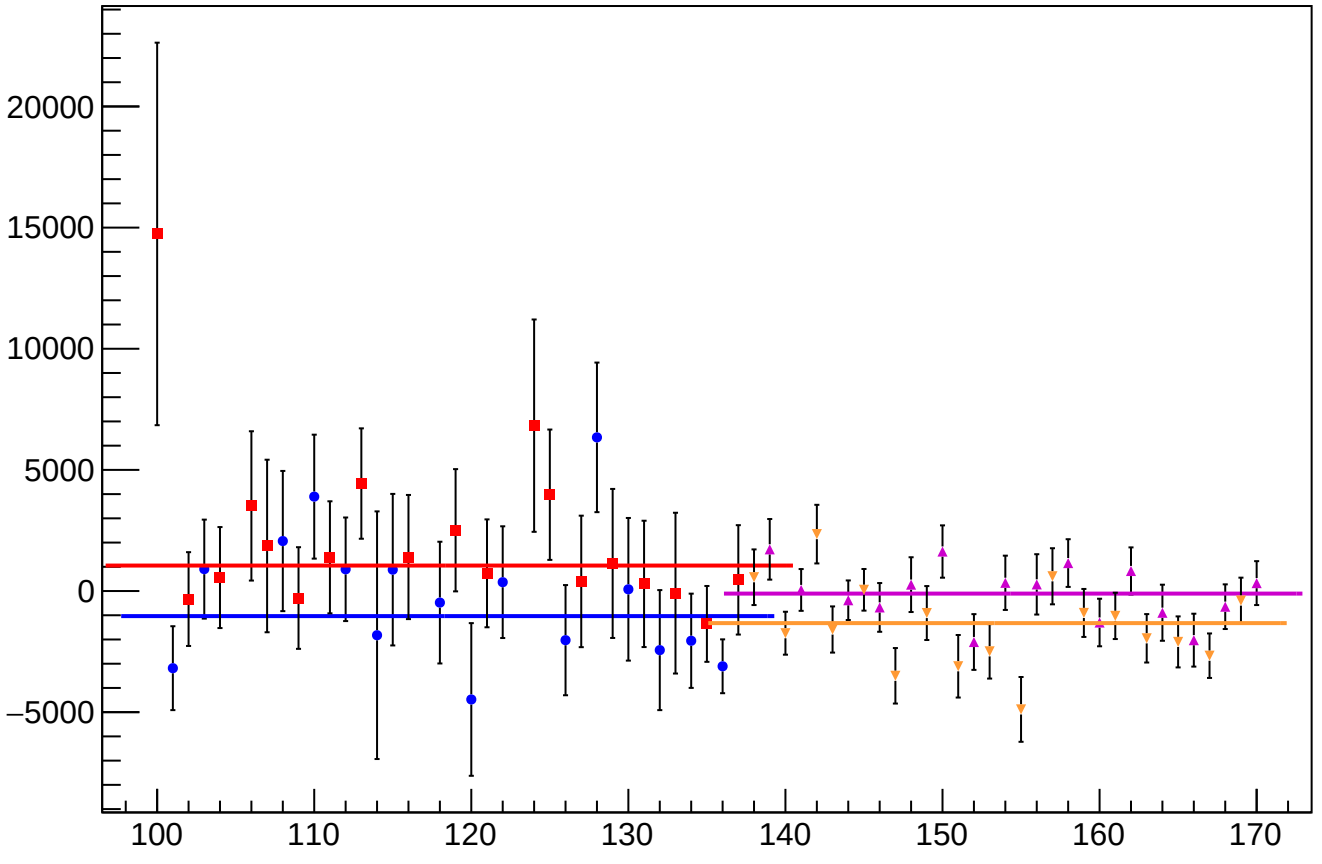
Left: 78.548+/-0.011 χ^2/NDF: 300460.7/32

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.883+/-0.013 χ^2/NDF:599905.8/31

Out: 82.586+/-0.013 χ^2/NDF:683755.5/35

All: 82.235+/-0.009 χ^2/NDF: 1285145.3/67



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1324.251+/-251.882 χ^2/NDF:35.7/16

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -105.938+/-254.701 χ^2/NDF:16.7/15

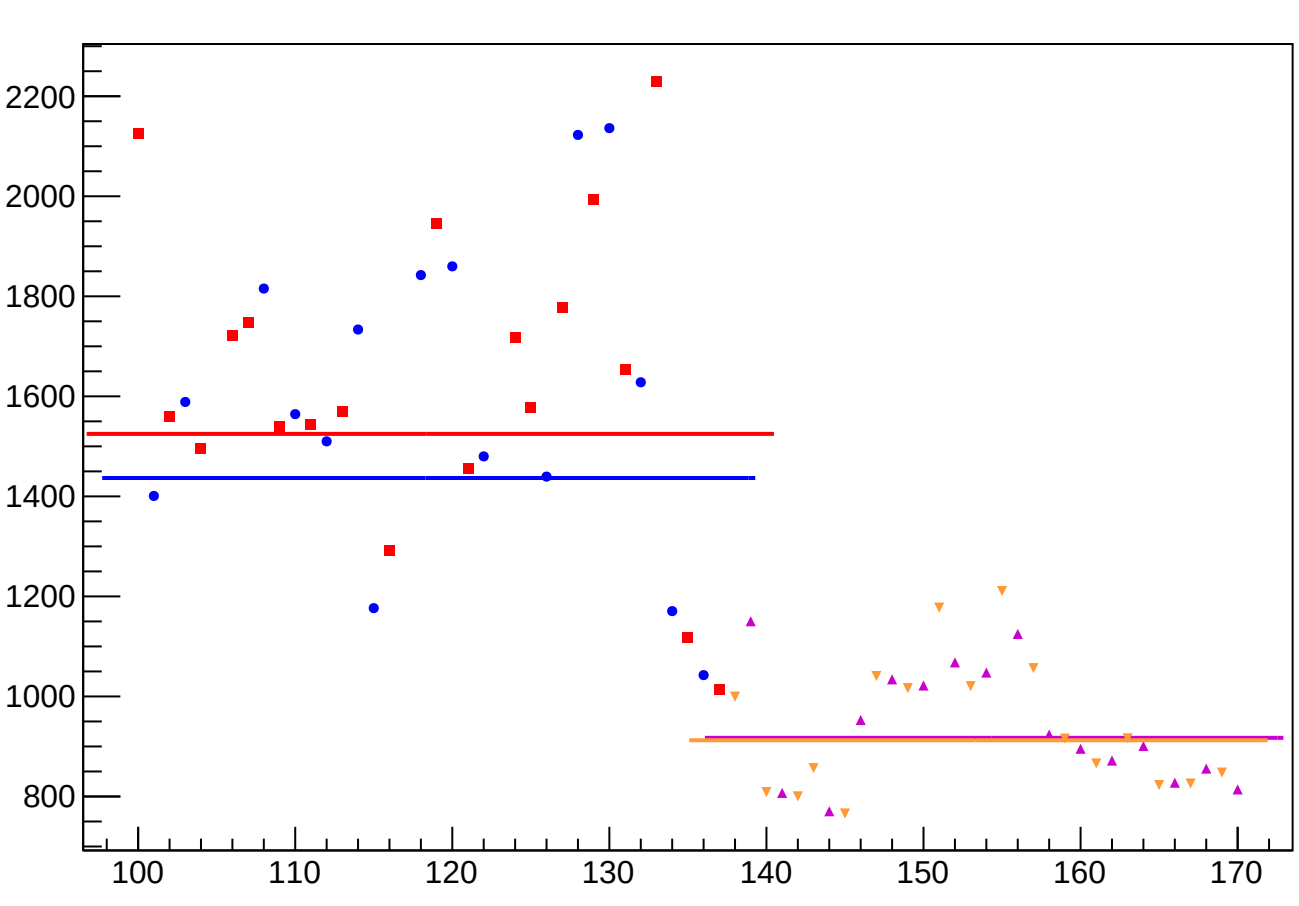
Left: -721.874+/-179.096 χ^2/NDF: 64.0/32

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -269.901+/-231.137 χ^2/NDF:39.3/31

Out: -934.901+/-230.319 χ^2/NDF:63.2/35

All: -603.579+/-163.149 χ^2/NDF: 106.7/67



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 912.388+/-0.178 χ^2/NDF:443435.5/16

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 917.267+/-0.180 χ^2/NDF:380648.6/15

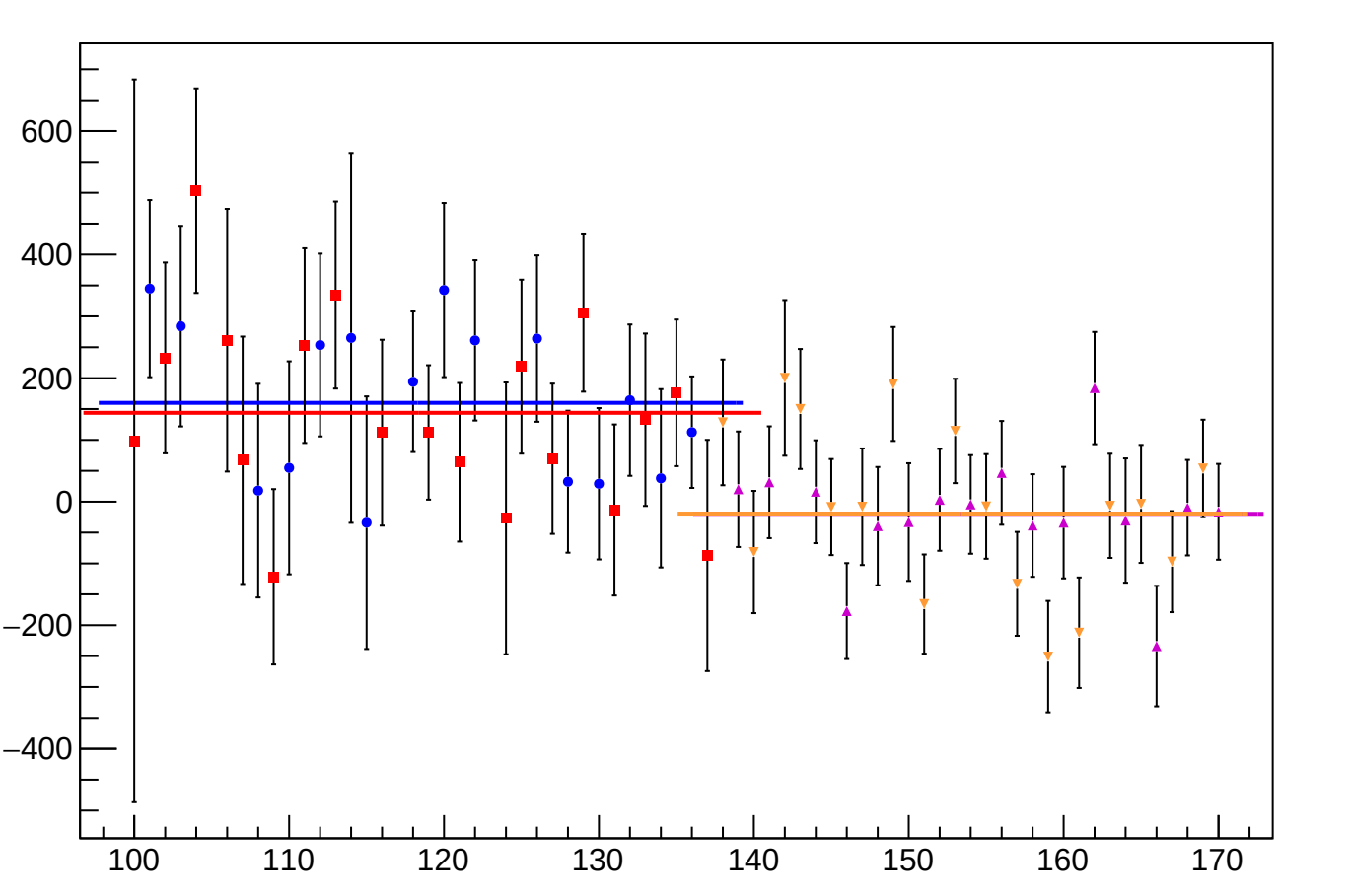
Left: 914.800+/-0.127 χ^2/NDF: 824455.1/32

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1008.940+/-0.163 χ^2/NDF:2524470.3/31

Out: 1012.778+/-0.163 χ^2/NDF:2886561.9/35

All: 1010.866+/-0.115 χ^2/NDF: 5411308.8/67



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.295+/-21.581 χ^2/NDF:34.5/16

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -19.623+/-21.628 χ^2/NDF:15.5/15

Left: -19.459+/-15.276 χ^2/NDF: 50.1/32

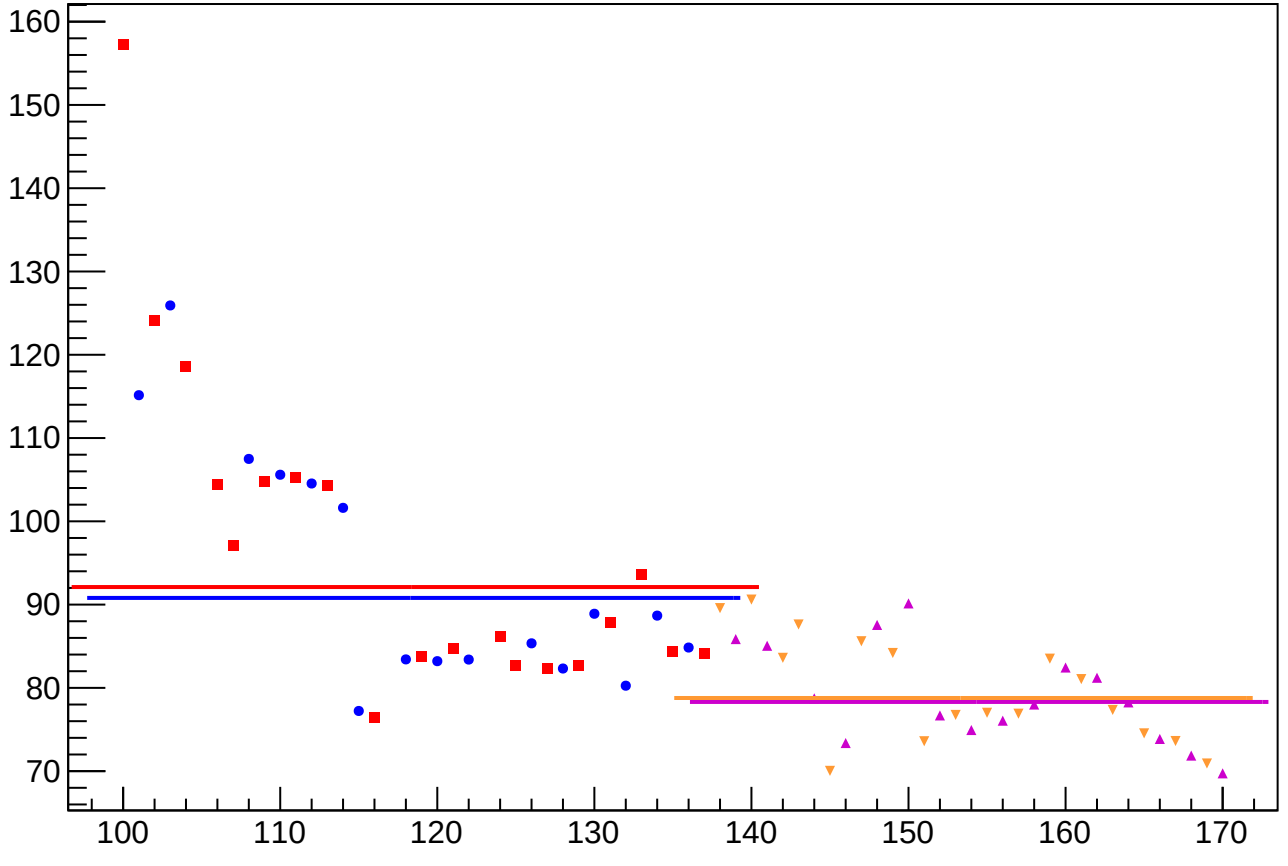
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 31.760+/-18.275 χ^2/NDF:46.3/31

Out: 27.140+/-18.253 χ^2/NDF:68.1/35

All: 29.447+/-12.915 χ^2/NDF: 114.5/67

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.785+/-0.015 χ^2/NDF:163678.1/16

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

Left: 78.548+/-0.011 χ^2/NDF: 300460.7/32

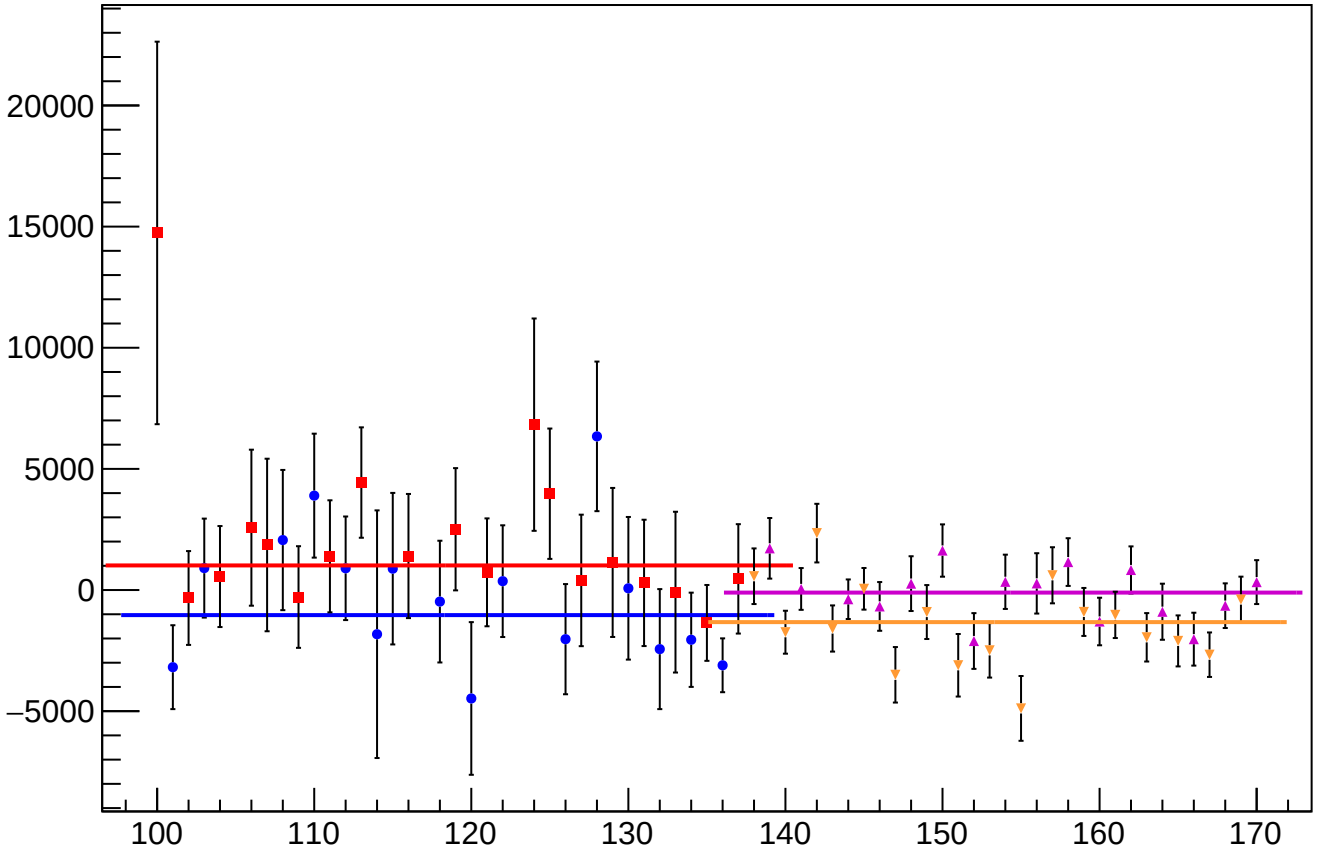
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.883+/-0.013 χ^2/NDF:599907.8/31

Out: 82.577+/-0.013 χ^2/NDF:681392.9/35

All: 82.230+/-0.009 χ^2/NDF: 1282743.8/67

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: -1324.247+/-251.882 χ^2/NDF:35.7/16

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -105.935+/-254.701 χ^2/NDF:16.7/15

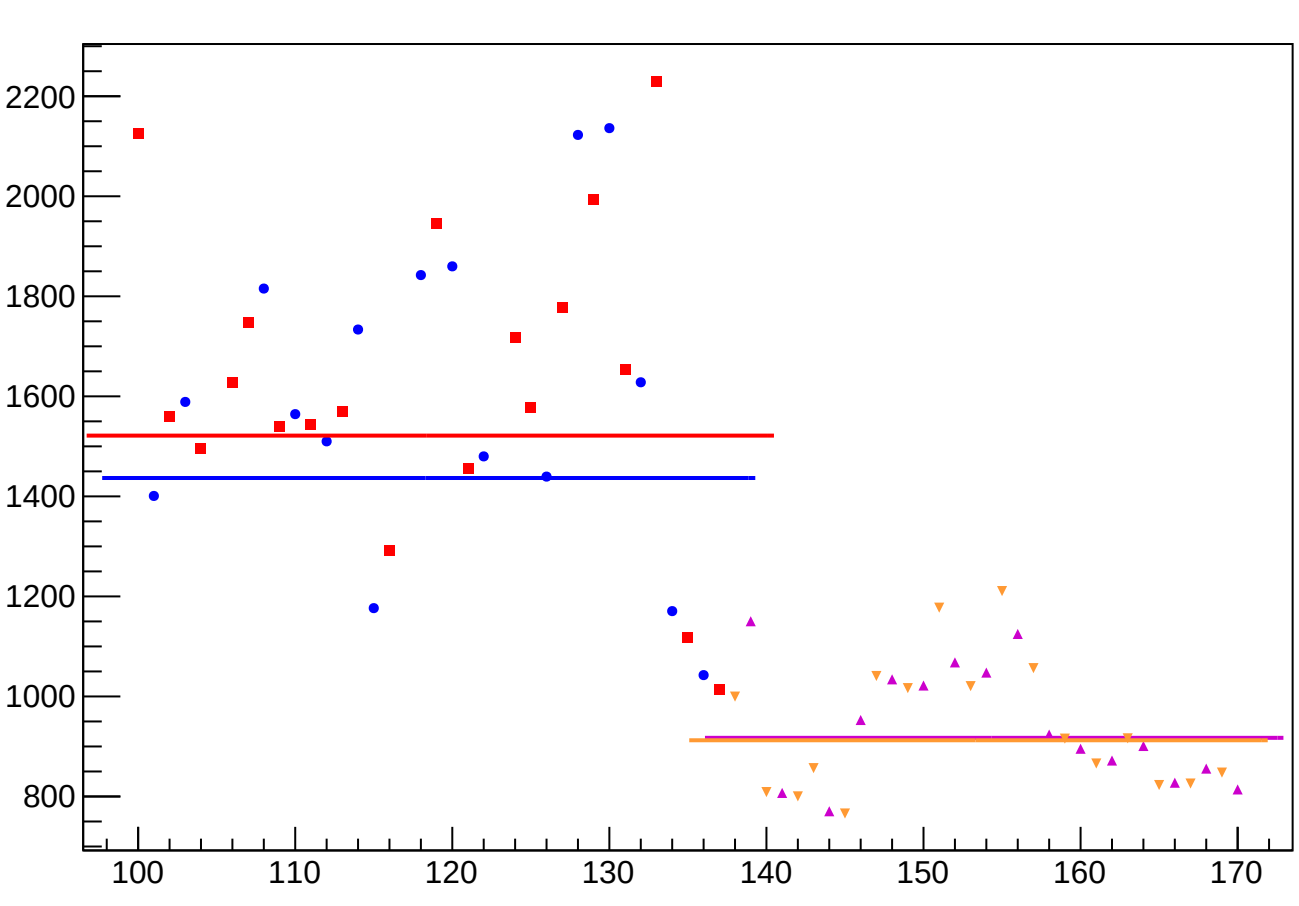
Left: -721.871+/-179.096 χ^2/NDF: 64.0/32

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -269.894+/-231.137 χ^2/NDF:39.3/31

Out: -941.763+/-230.375 χ^2/NDF:62.3/35

All: -606.937+/-163.168 χ^2/NDF: 105.9/67



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 912.388+/-0.178 χ^2/NDF:443436.8/16

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.267+/-0.180 χ^2/NDF:380648.1/15

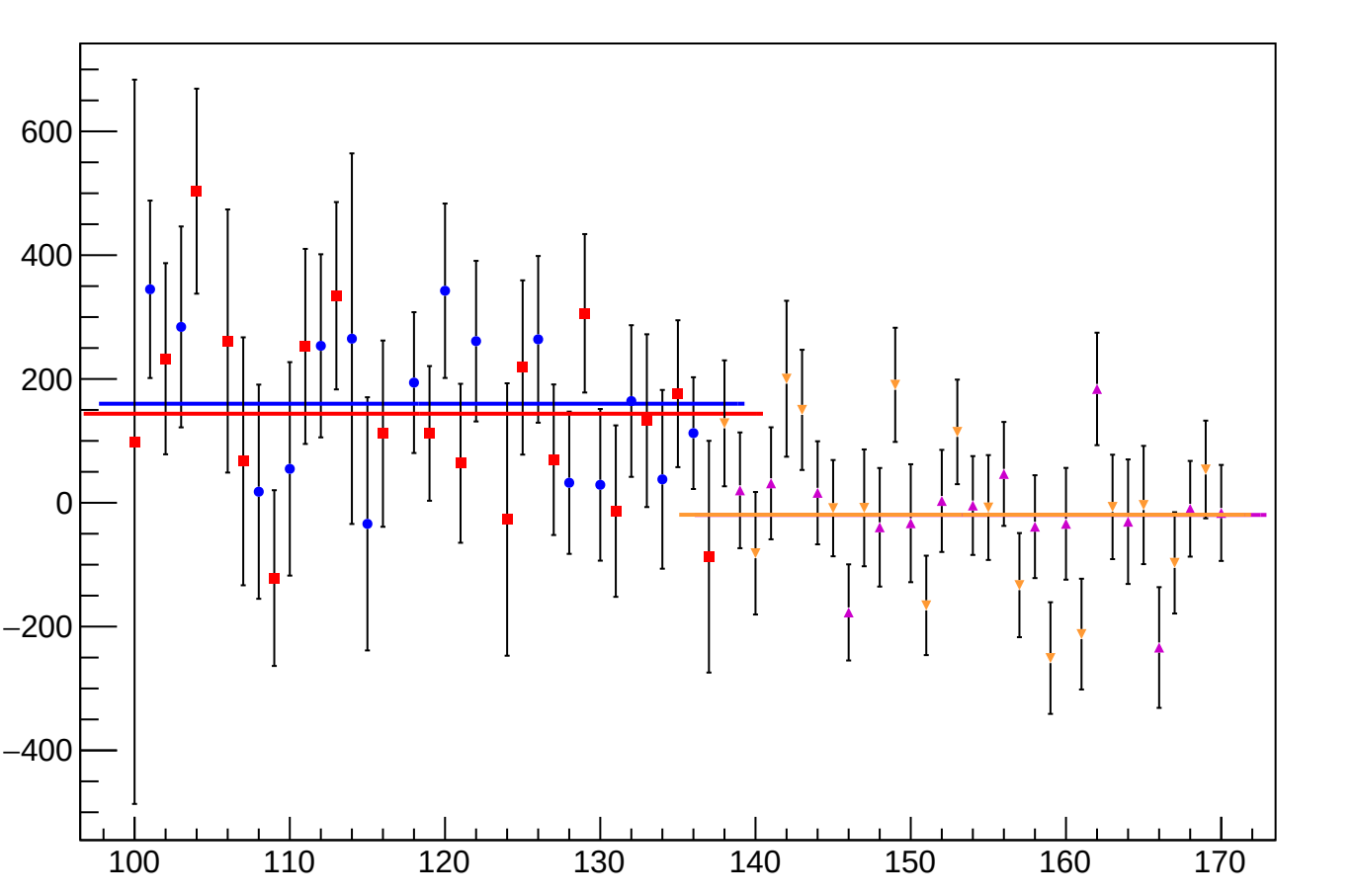
Left: 914.800+/-0.127 χ^2/NDF: 824456.1/32

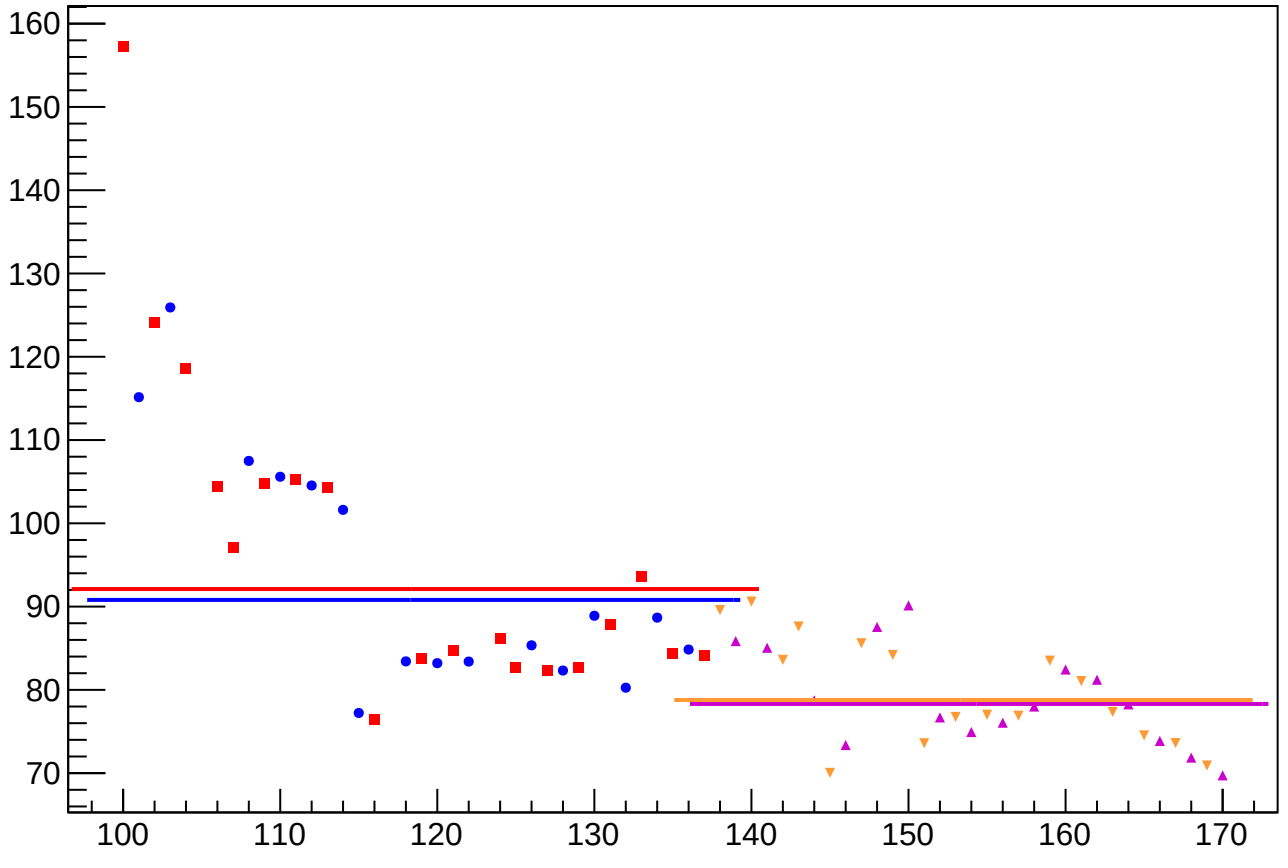
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1008.941+/-0.163 χ^2/NDF:2524489.9/31

Out: 1011.965+/-0.163 χ^2/NDF:2853819.5/35

All: 1010.458+/-0.115 χ^2/NDF: 5378481.2/67


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -19.295+/-21.581 χ²/NDF:34.5/16
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -19.623+/-21.628 χ²/NDF:15.5/15
Left: -19.459+/-15.276 χ²/NDF: 50.1/32
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 31.760+/-18.275 χ²/NDF:46.3/31
Out: 27.140+/-18.253 χ²/NDF:68.1/35
All: 29.447+/-12.915 χ²/NDF: 114.5/67



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.785+/-0.015 χ^2/NDF:163678.1/16

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

Left: 78.548+/-0.011 χ^2/NDF: 300460.7/32

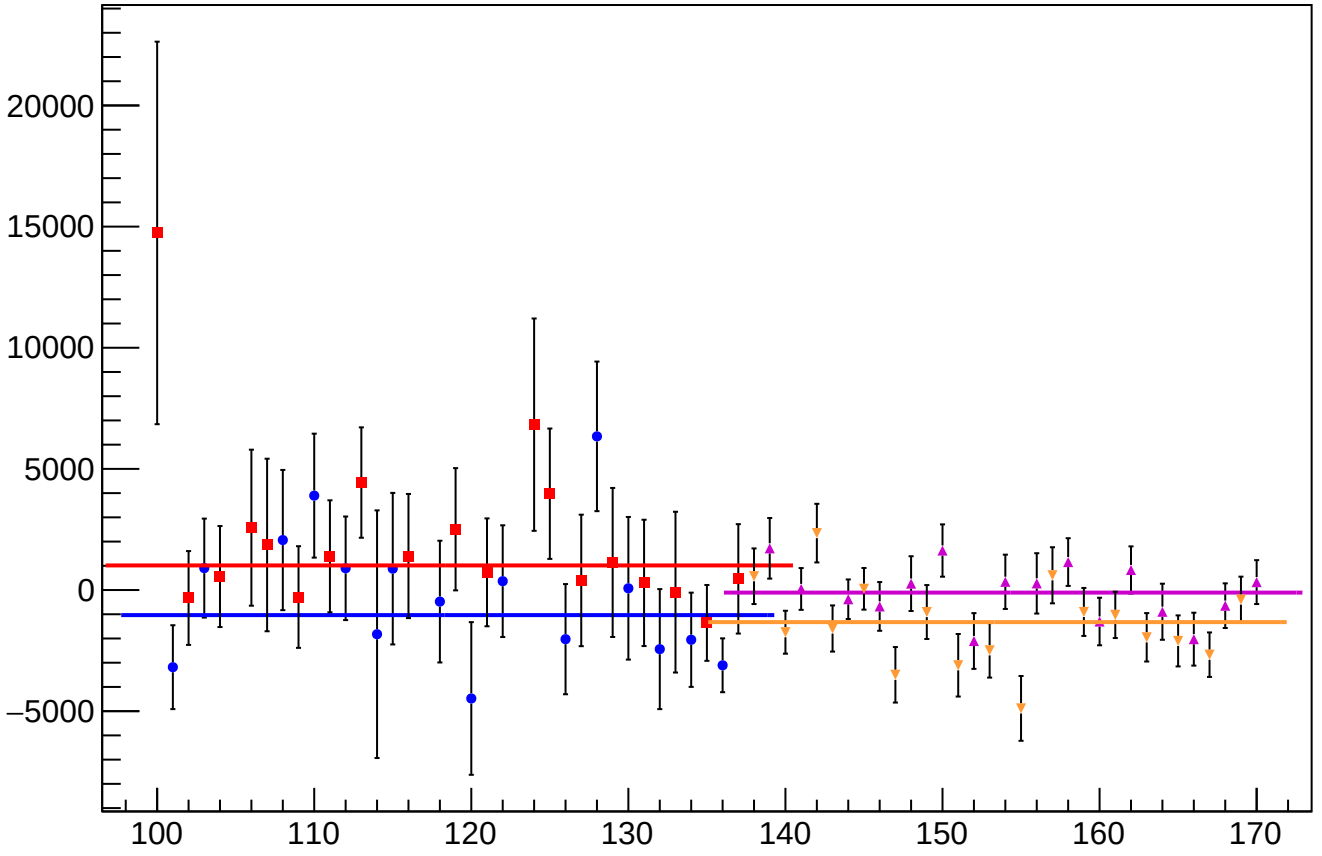
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.883+/-0.013 χ^2/NDF:599907.8/31

Out: 82.577+/-0.013 χ^2/NDF:681392.9/35

All: 82.230+/-0.009 χ^2/NDF: 1282743.8/67

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1324.247+/-251.882 χ^2/NDF:35.7/16

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -105.935+/-254.701 χ^2/NDF:16.7/15

Left: -721.871+/-179.096 χ^2/NDF: 64.0/32

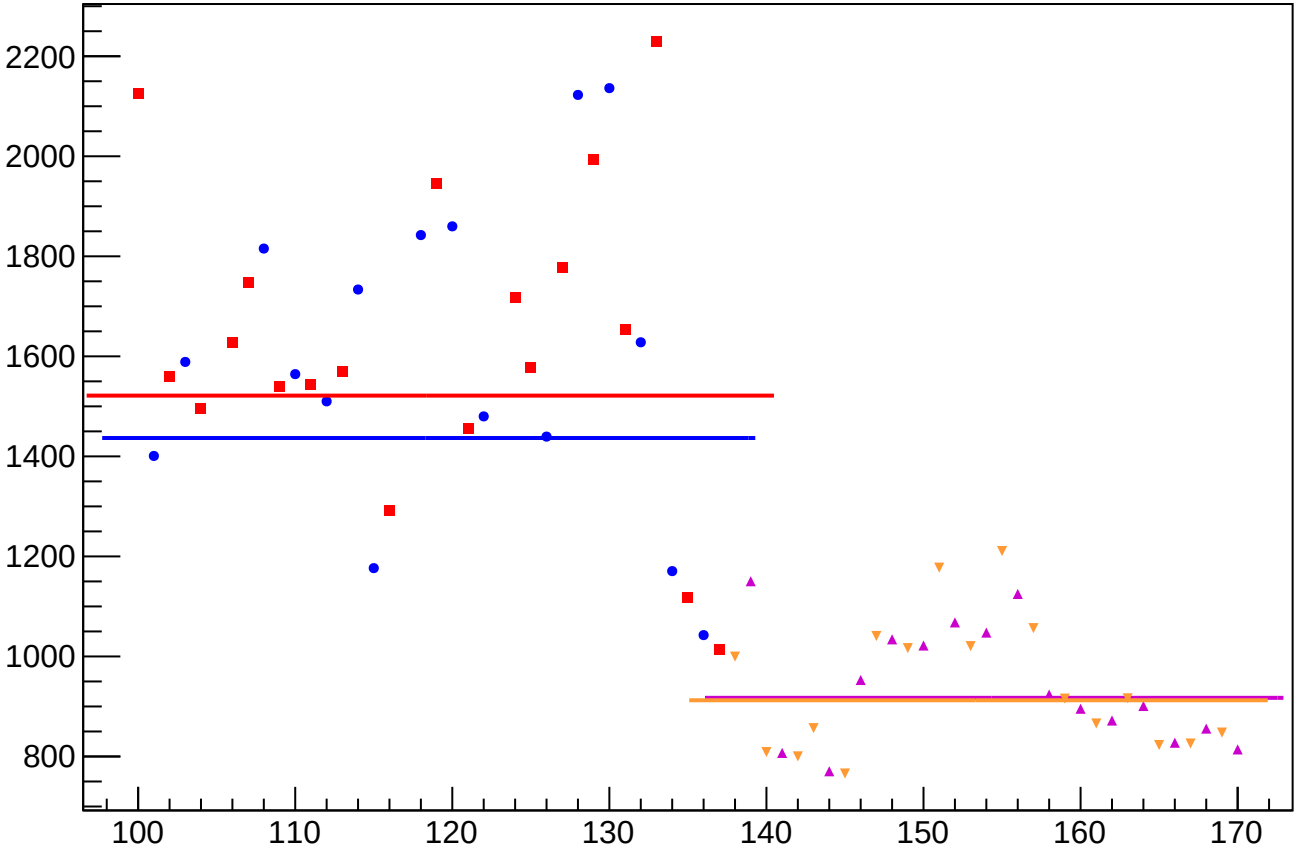
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -269.894+/-231.137 χ^2/NDF:39.3/31

Out: -941.763+/-230.375 χ^2/NDF:62.3/35

All: -606.937+/-163.168 χ^2/NDF: 105.9/67

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: 912.388+/-0.178 χ^2/NDF:443436.8/16

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.267+/-0.180 χ^2/NDF:380648.1/15

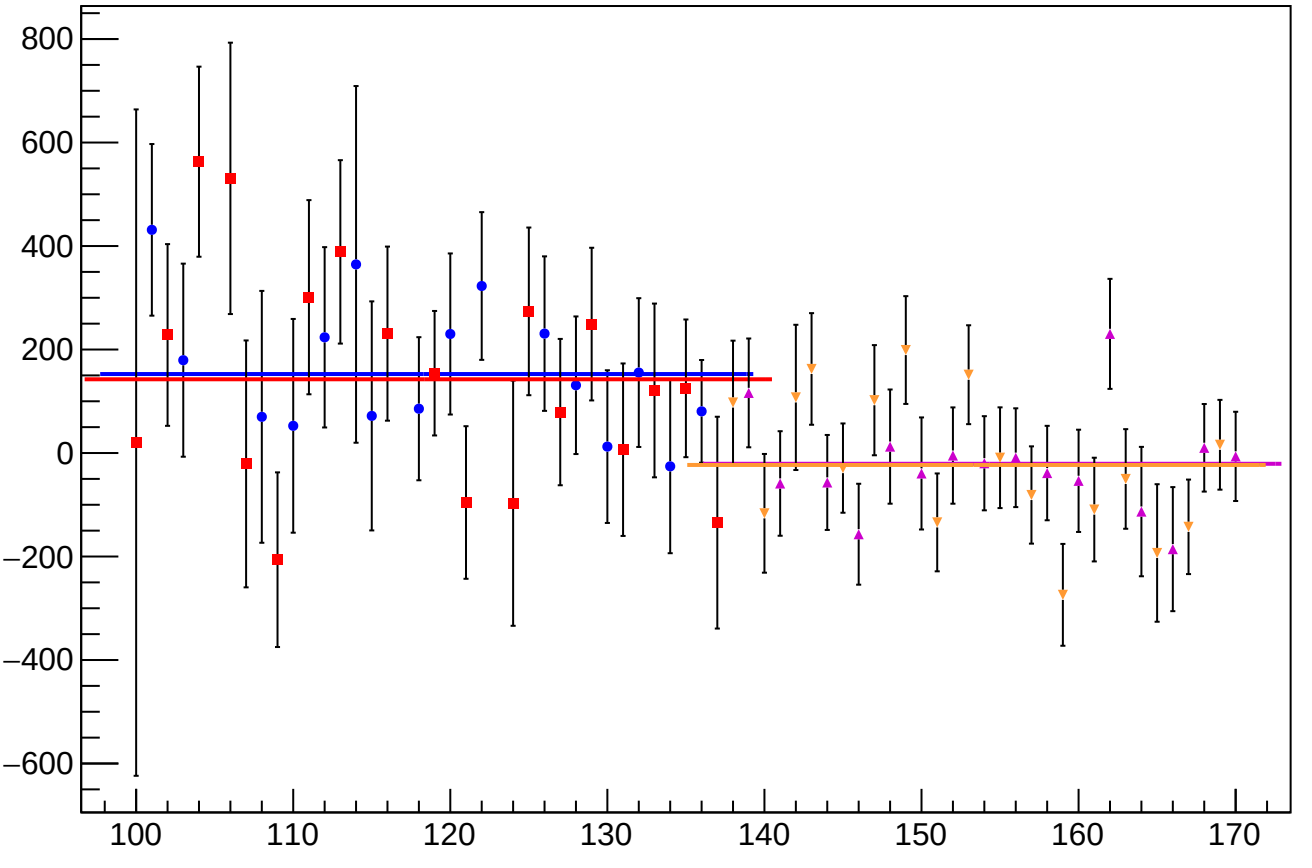
Left: 914.800+/-0.127 χ^2/NDF: 824456.1/32

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1008.941+/-0.163 χ^2/NDF:2524489.9/31

Out: 1011.965+/-0.163 χ^2/NDF:2853819.5/35

All: 1010.458+/-0.115 χ^2/NDF: 5378481.2/67


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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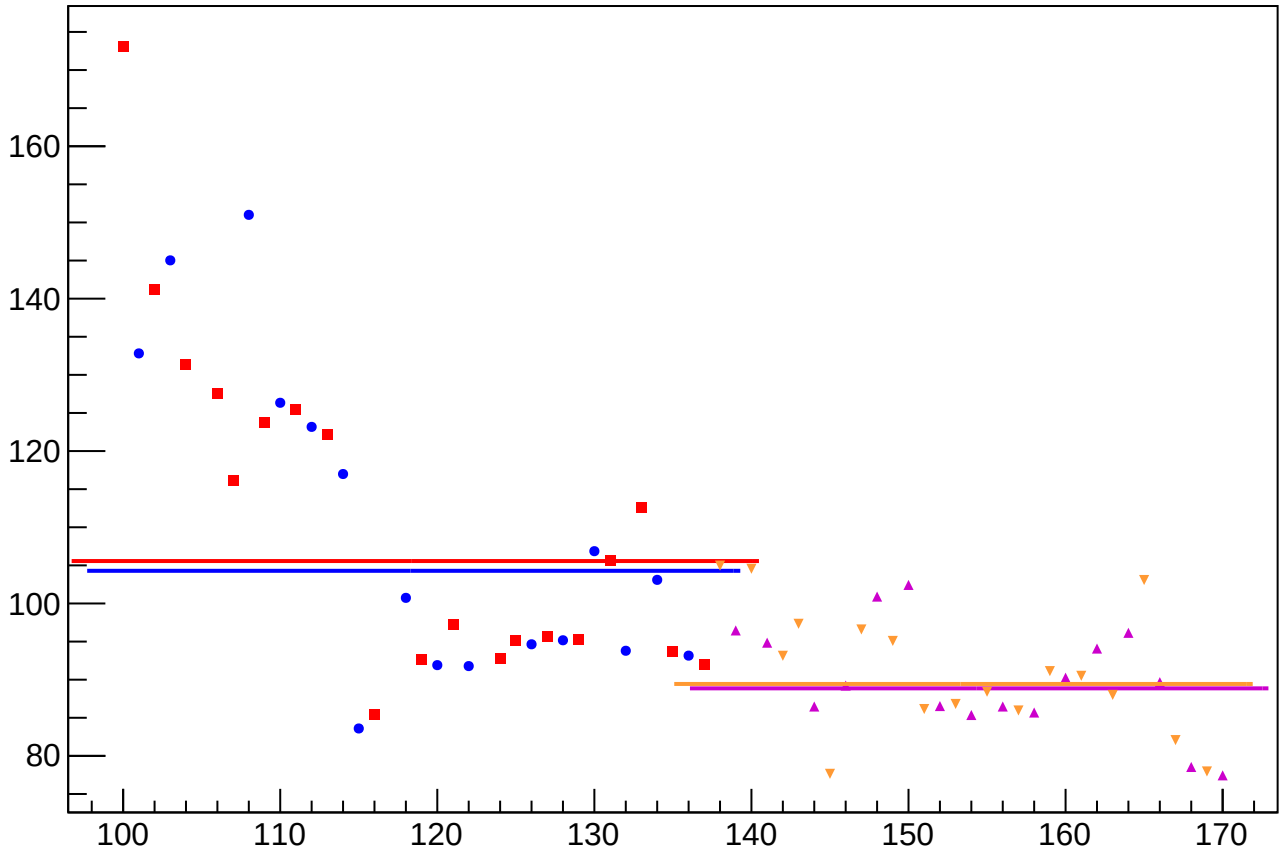
120
130
140
150
160
170
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -23.049+/-24.560 χ²/NDF:27.4/16
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -20.800+/-24.659 χ²/NDF:12.4/15
Left: -21.929+/-17.401 χ²/NDF: 39.9/32
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 27.929+/-20.910 χ²/NDF:35.0/31
Out: 23.376+/-20.833 χ²/NDF:63.1/35
All: 25.645+/-14.758 χ²/NDF: 98.1/67



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 89.439+/-0.017 χ^2/NDF:210160.2/16

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.861+/-0.017 χ^2/NDF:158877.1/15

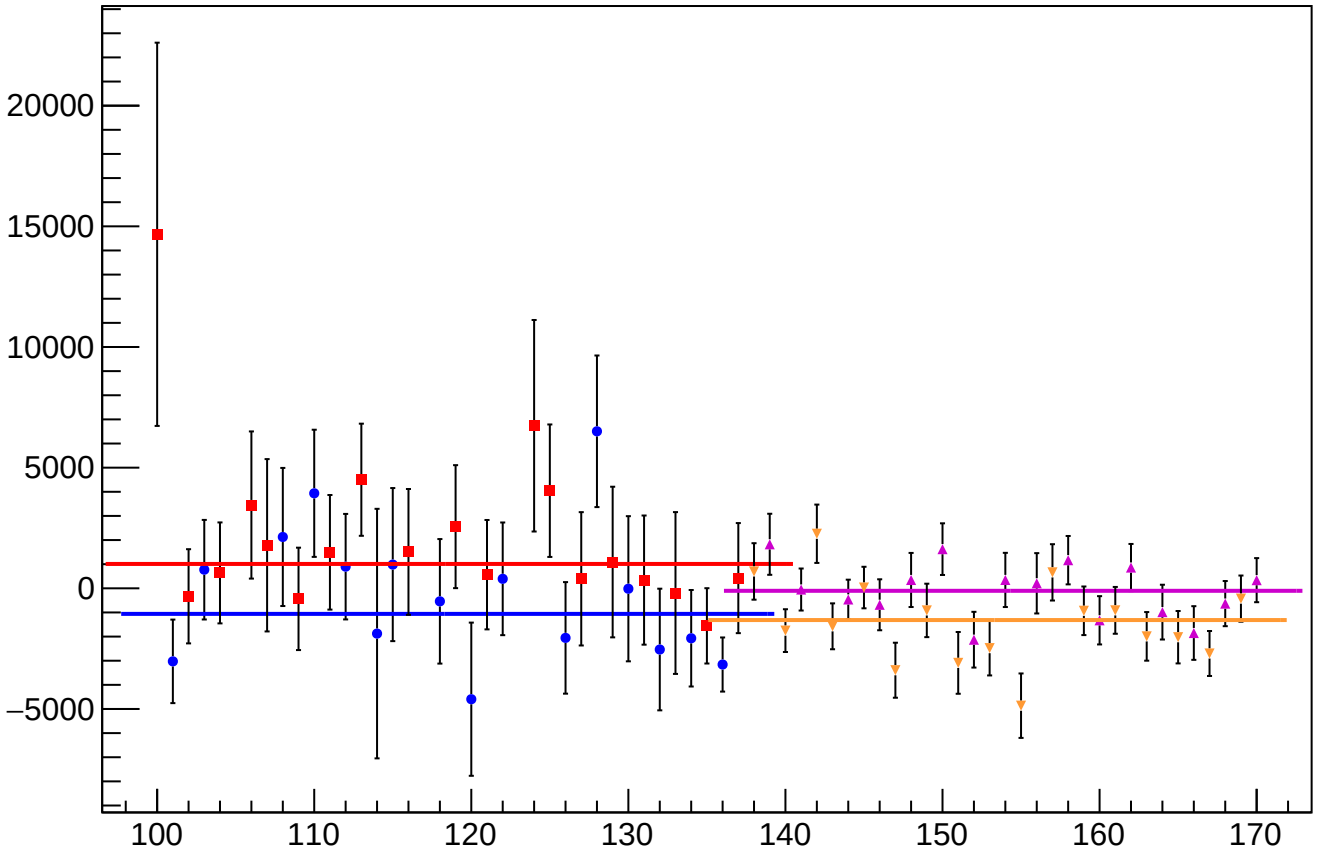
Left: 89.151+/-0.012 χ^2/NDF: 369587.5/32

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.195+/-0.015 χ^2/NDF:757072.8/31

Out: 93.962+/-0.015 χ^2/NDF:796681.3/35

All: 93.580+/-0.010 χ^2/NDF: 1555103.0/67



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1315.085+/-253.616 χ^2/NDF:35.1/16

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -103.191+/-256.930 χ^2/NDF:16.6/15

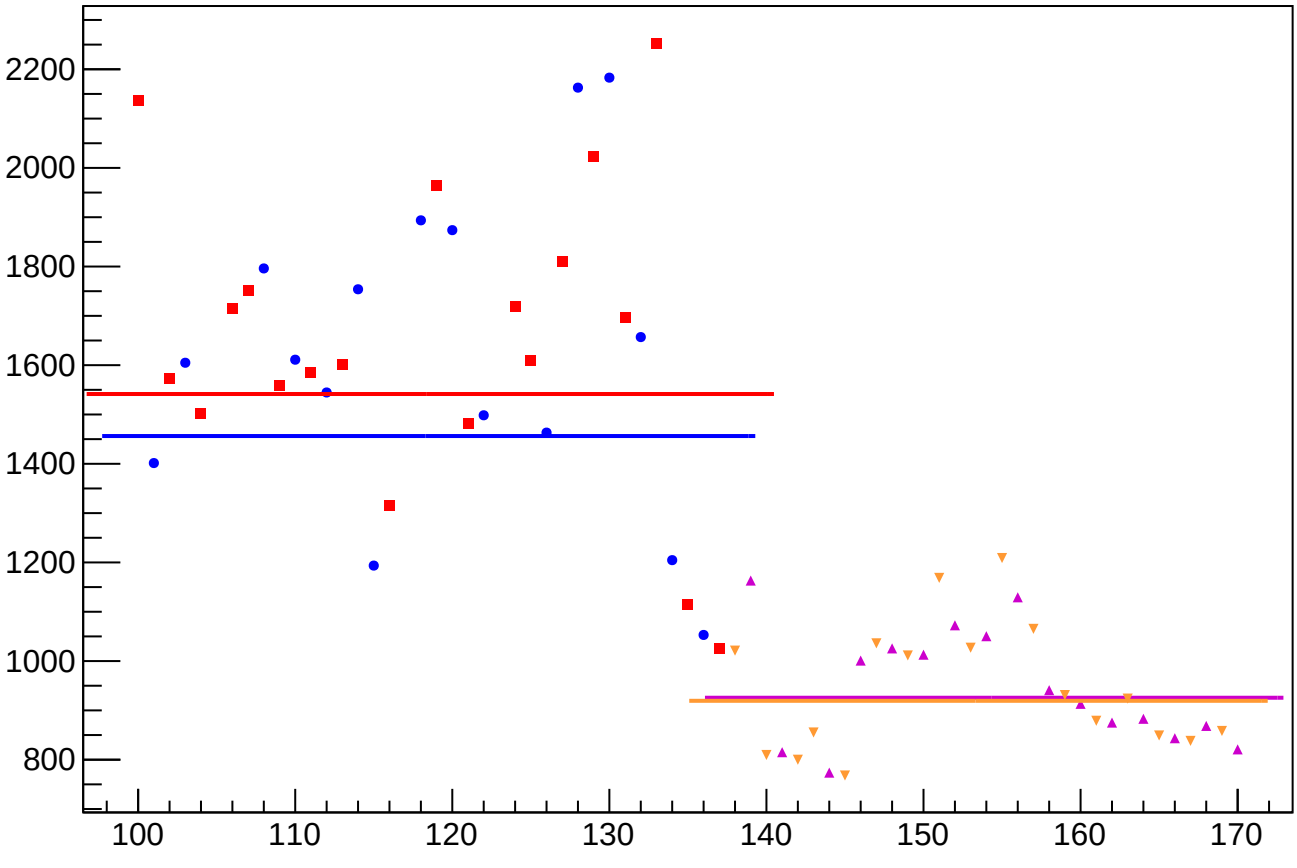
Left: -717.004+/-180.494 χ^2/NDF: 63.0/32

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -270.625+/-233.353 χ^2/NDF:39.0/31

Out: -936.546+/-232.053 χ^2/NDF:62.1/35

All: -605.445+/-164.544 χ^2/NDF: 105.2/67



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 919.435+/-0.179 χ^2/NDF:426029.0/16

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 925.641+/-0.182 χ^2/NDF:374526.2/15

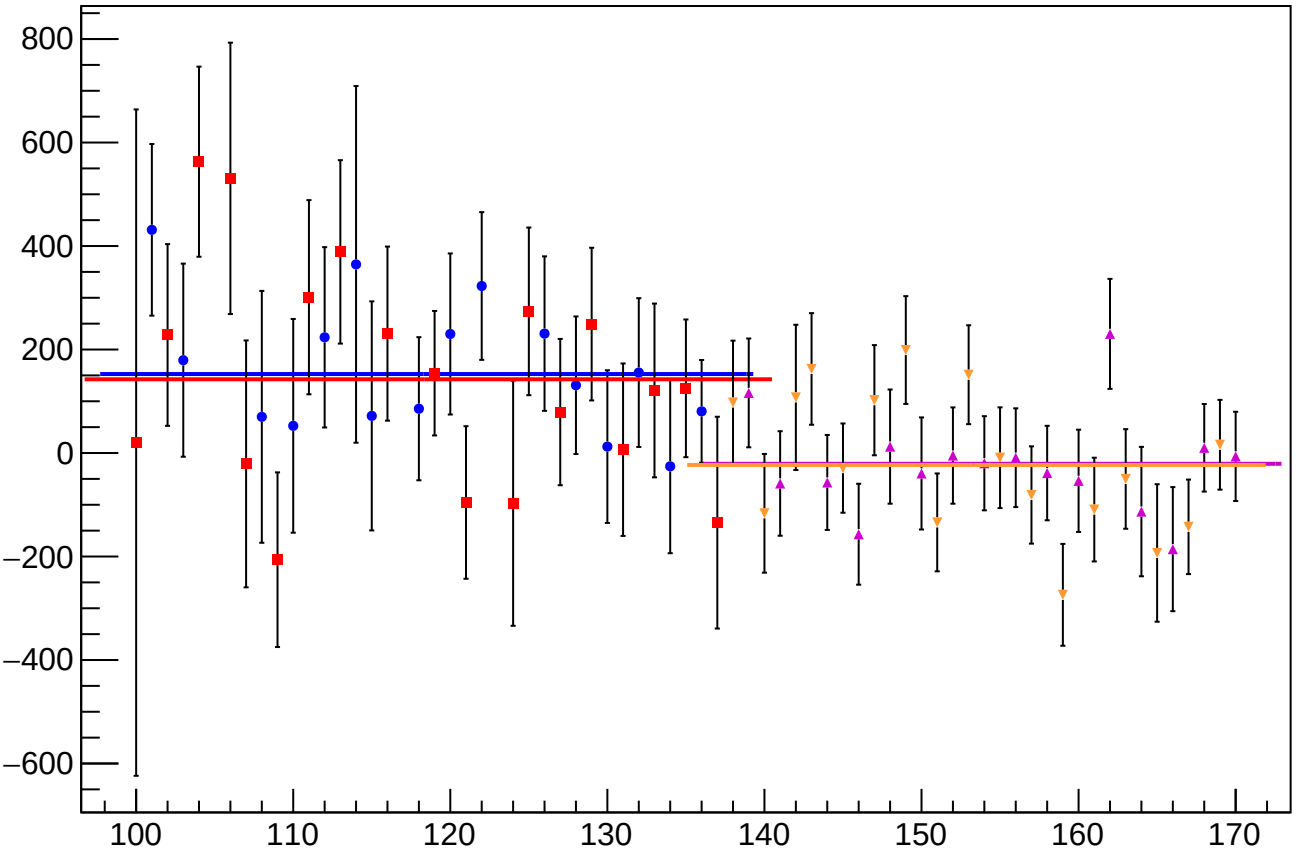
Left: 922.498+/-0.128 χ^2/NDF: 801146.1/32

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1018.565+/-0.165 χ^2/NDF:2553322.0/31

Out: 1020.719+/-0.164 χ^2/NDF:2904520.1/35

All: 1019.648+/-0.116 χ^2/NDF: 5457927.8/67


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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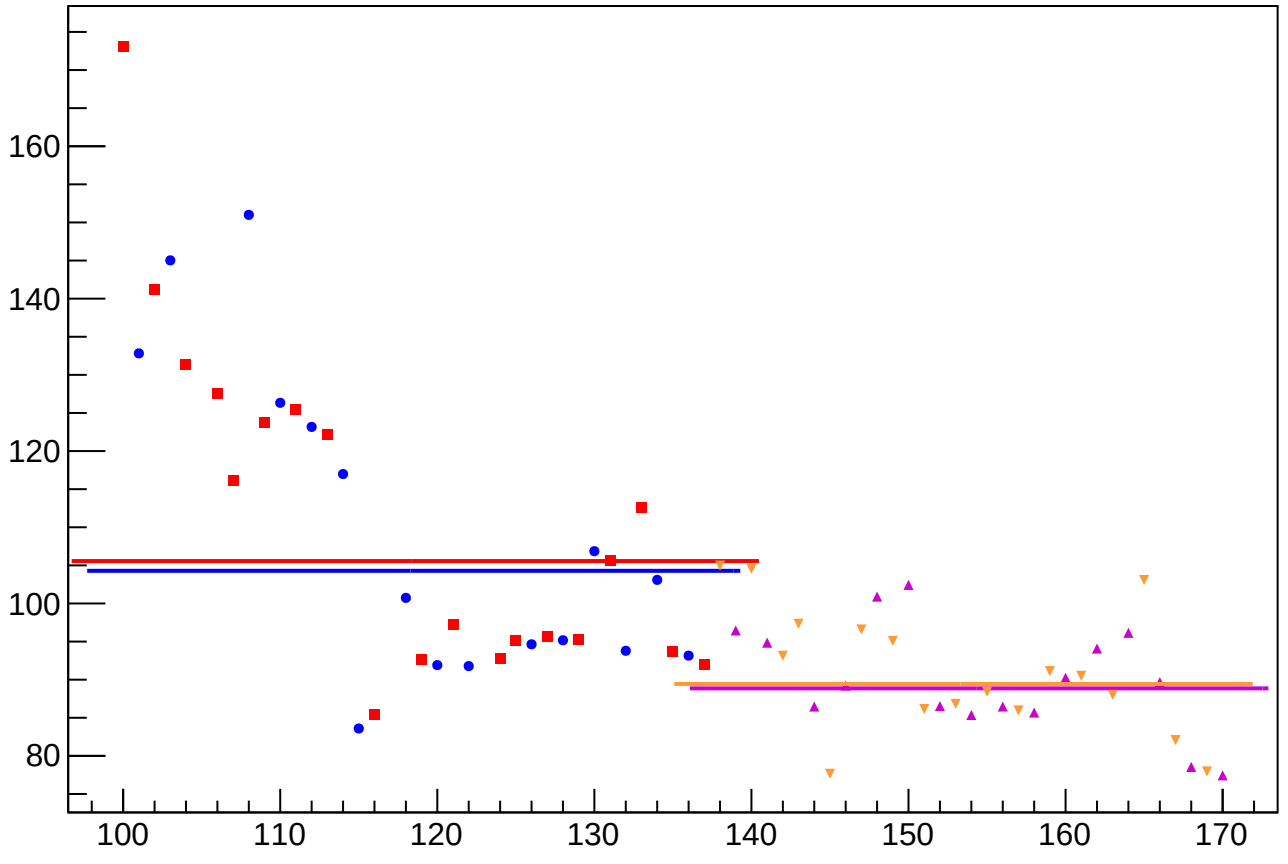
160
170
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -23.048+/-24.560 χ²/NDF:27.4/16
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -20.800+/-24.659 χ²/NDF:12.4/15
Left: -21.929+/-17.401 χ²/NDF: 39.9/32
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 27.930+/-20.909 χ²/NDF:35.0/31
Out: 23.377+/-20.833 χ²/NDF:63.1/35
All: 25.645+/-14.758 χ²/NDF: 98.1/67



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 89.439+/-0.017 χ^2/NDF:210158.5/16

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.861+/-0.017 χ^2/NDF:158878.8/15

Left: 89.151+/-0.012 χ^2/NDF: 369587.7/32

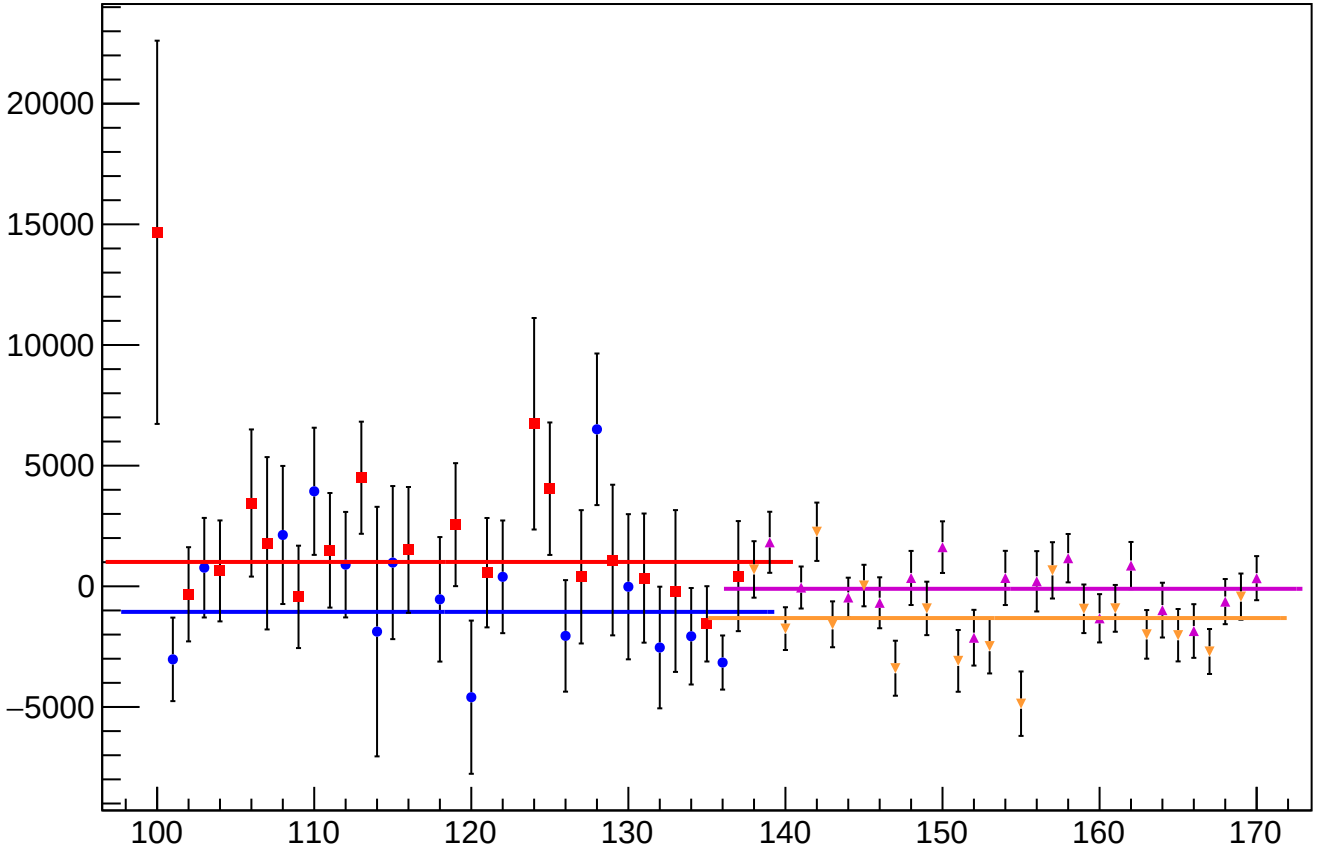
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.195+/-0.015 χ^2/NDF:757052.1/31

Out: 93.962+/-0.015 χ^2/NDF:796656.7/35

All: 93.580+/-0.010 χ^2/NDF: 1555058.2/67

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1315.084+/-253.615 χ^2/NDF:35.1/16

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -103.191+/-256.930 χ^2/NDF:16.6/15

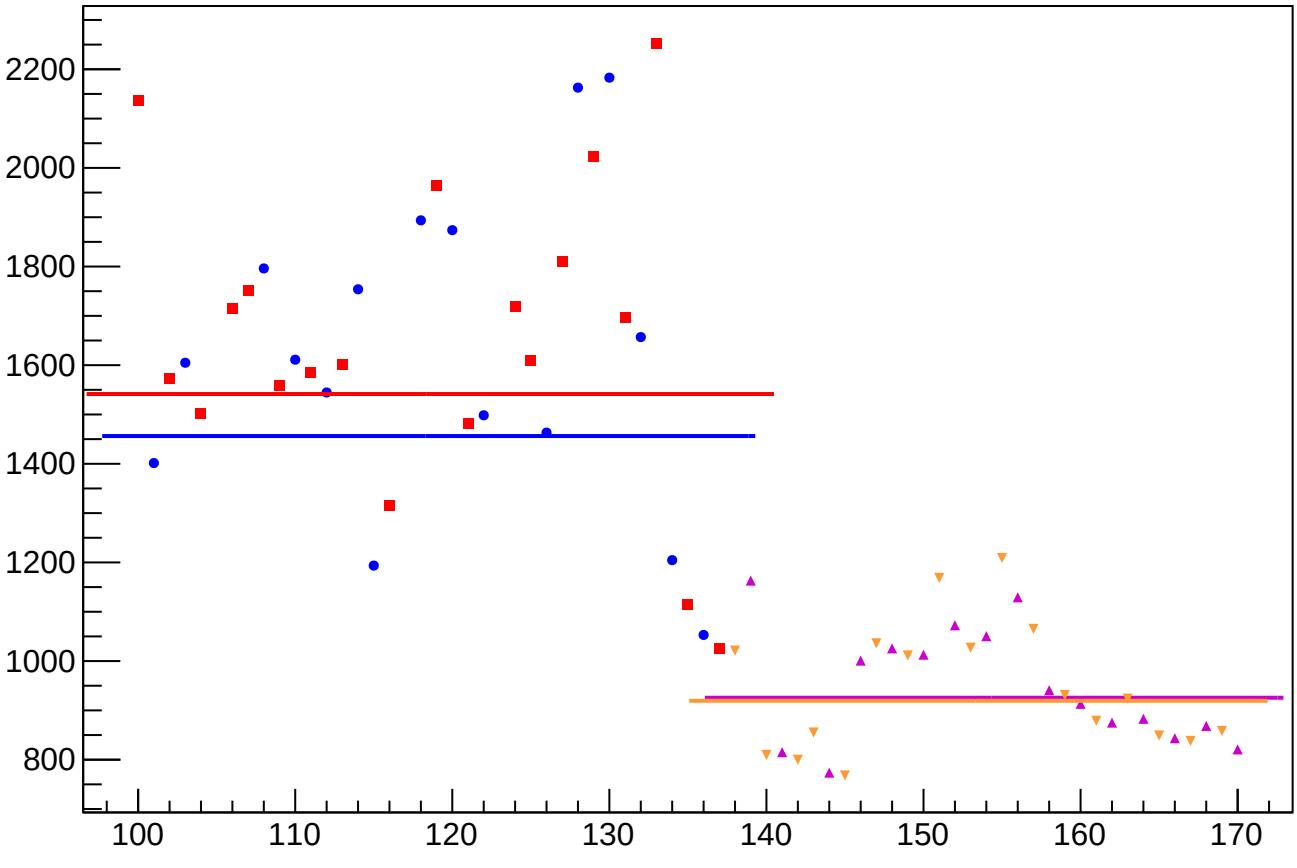
Left: -717.004+/-180.494 χ^2/NDF: 63.0/32

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -270.625+/-233.352 χ^2/NDF:39.0/31

Out: -936.545+/-232.053 χ^2/NDF:62.1/35

All: -605.444+/-164.544 χ^2/NDF: 105.2/67



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 919.434+/-0.179 χ^2/NDF:426032.7/16

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 925.640+/-0.182 χ^2/NDF:374528.7/15

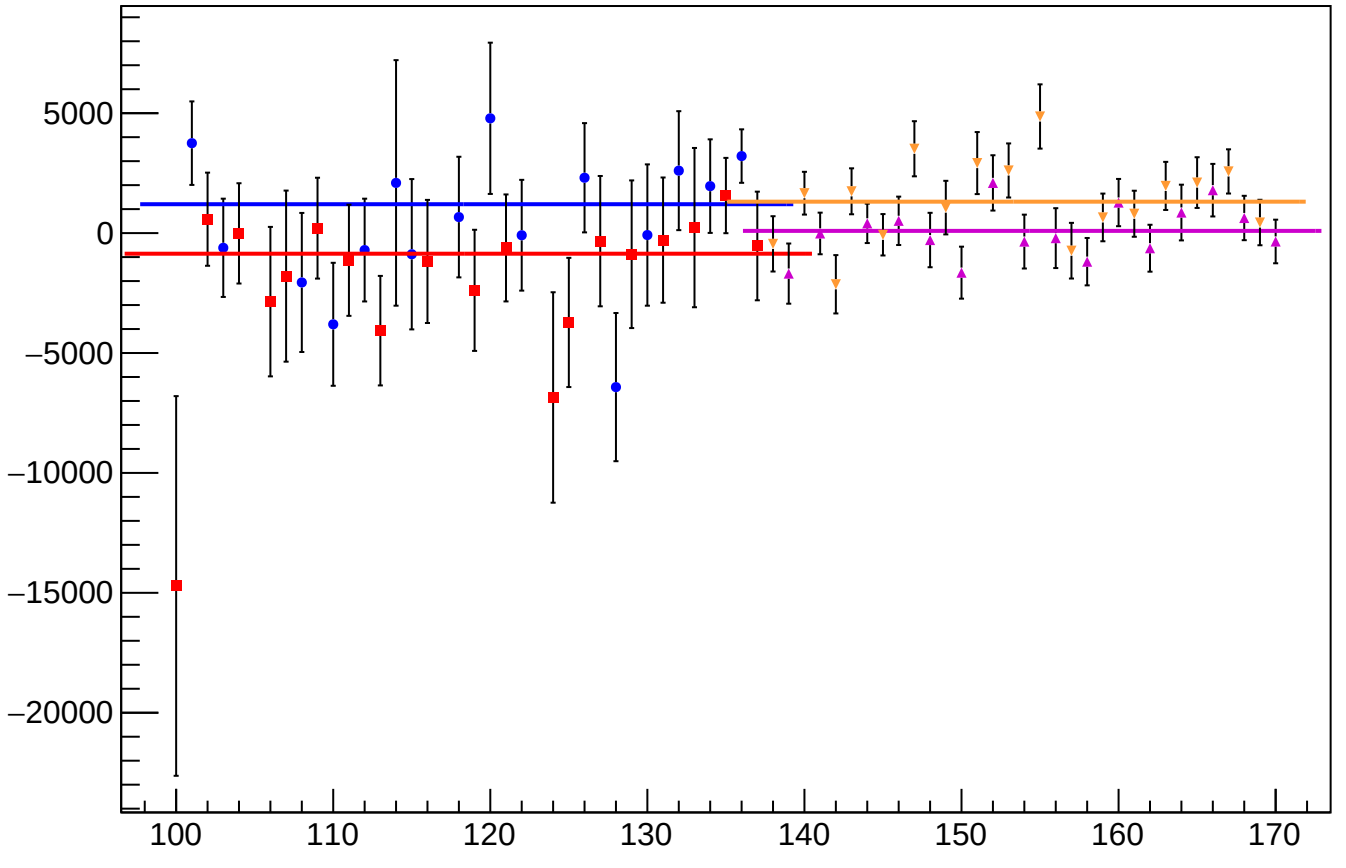
Left: 922.497+/-0.128 χ^2/NDF: 801152.4/32

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1018.564+/-0.165 χ^2/NDF:2553318.7/31

Out: 1020.718+/-0.164 χ^2/NDF:2904518.8/35

All: 1019.647+/-0.116 χ^2/NDF: 5457923.2/67



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1310.657+/-252.911 χ^2/NDF:34.4/16

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 92.475+/-255.697 χ^2/NDF:15.3/15

Left: 708.239+/-179.812 χ^2/NDF: 61.2/32

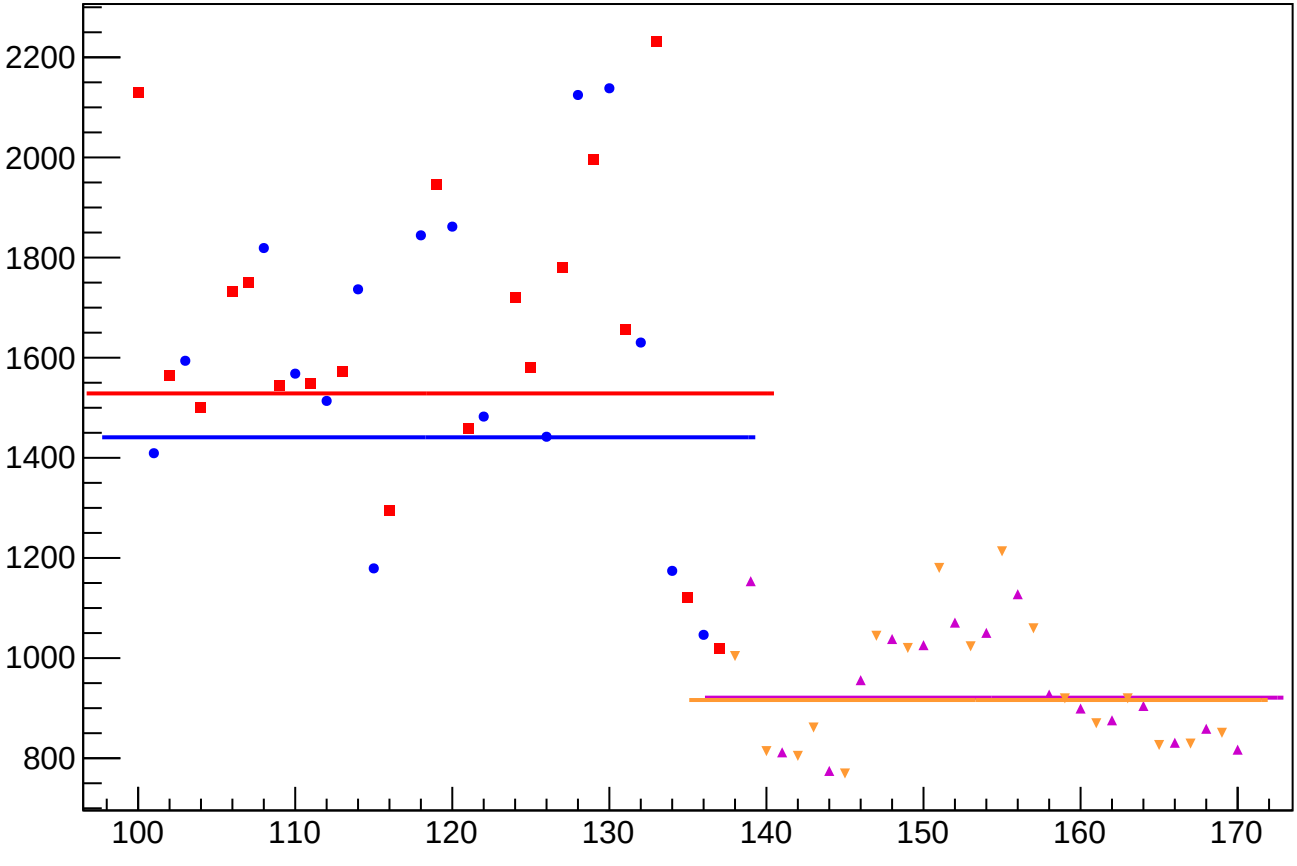
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 289.124+/-231.994 χ^2/NDF:39.8/31

Out: 954.132+/-231.203 χ^2/NDF:59.0/35

All: 622.764+/-163.764 χ^2/NDF: 103.0/67

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 916.258+/-0.179 χ^2/NDF:437772.5/16

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 920.965+/-0.181 χ^2/NDF:375935.2/15

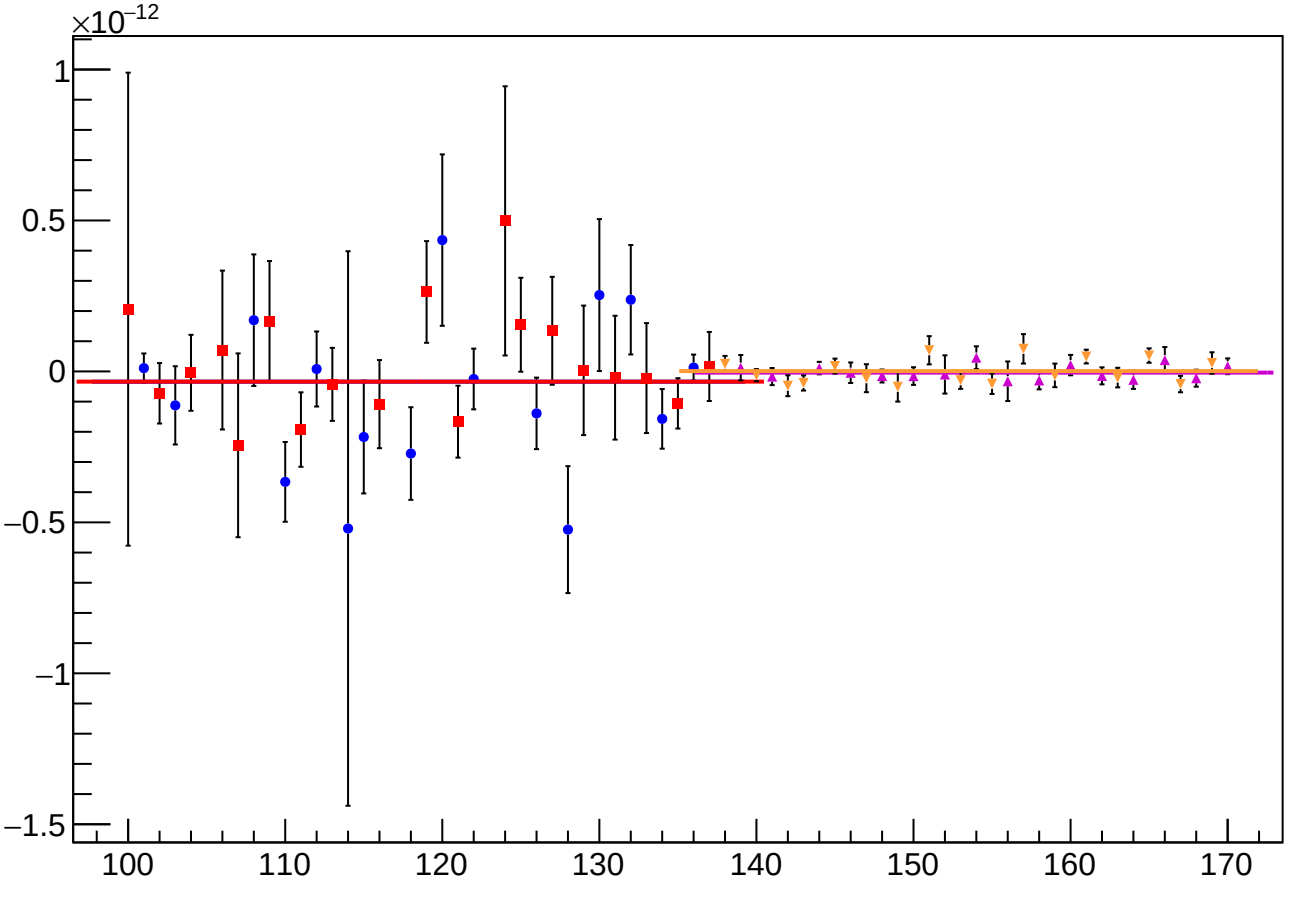
Left: 918.586+/-0.127 χ^2/NDF: 814050.2/32

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1012.916+/-0.164 χ^2/NDF:2509416.1/31

Out: 1016.875+/-0.163 χ^2/NDF:2866105.9/35

All: 1014.902+/-0.116 χ^2/NDF: 5375814.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/15

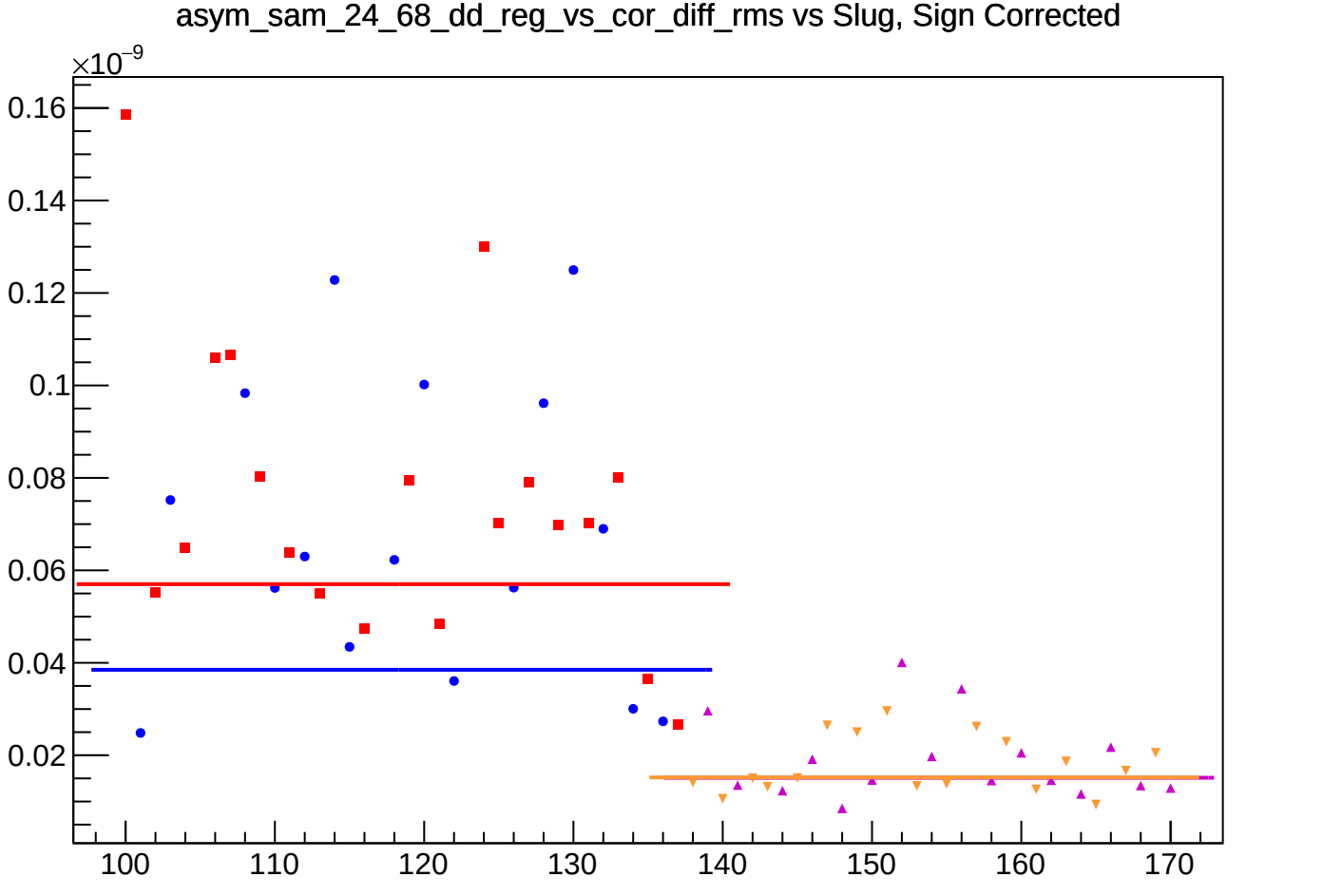
Left: -0.000+/-0.000 χ^2/NDF: 35.0/32

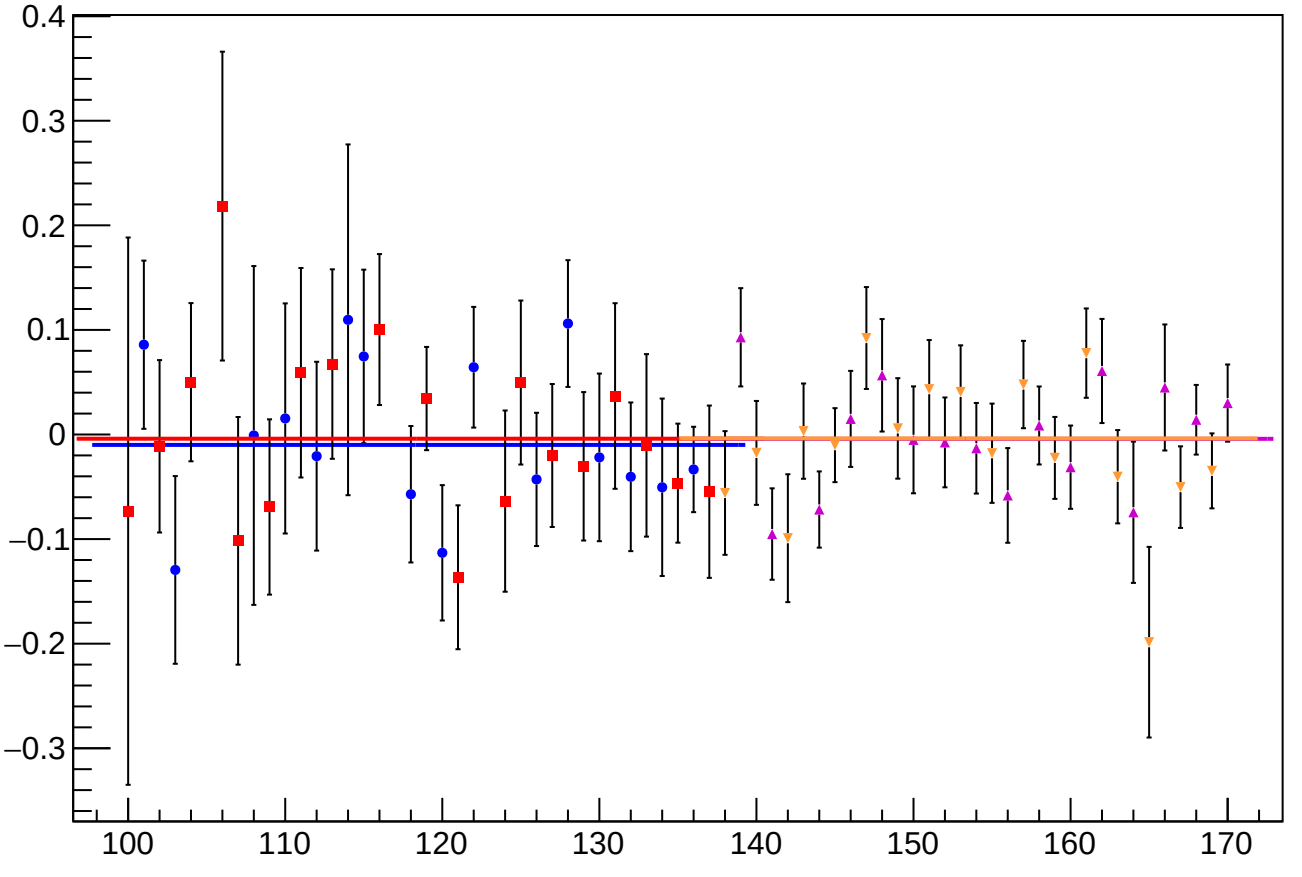
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:36.0/31

Out: -0.000+/-0.000 χ^2/NDF:41.4/35

All: -0.000+/-0.000 χ^2/NDF: 77.8/67


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:918407.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1161088.8/15
Left: 0.000+/-0.000 χ²/NDF: 2079588.5/32
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:4134716.9/31
Out: 0.000+/-0.000 χ²/NDF:4506894.2/35
All: 0.000+/-0.000 χ²/NDF: 8641793.7/67



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.004+/-0.011 χ^2/NDF:22.2/16

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.011 χ^2/NDF:20.2/15

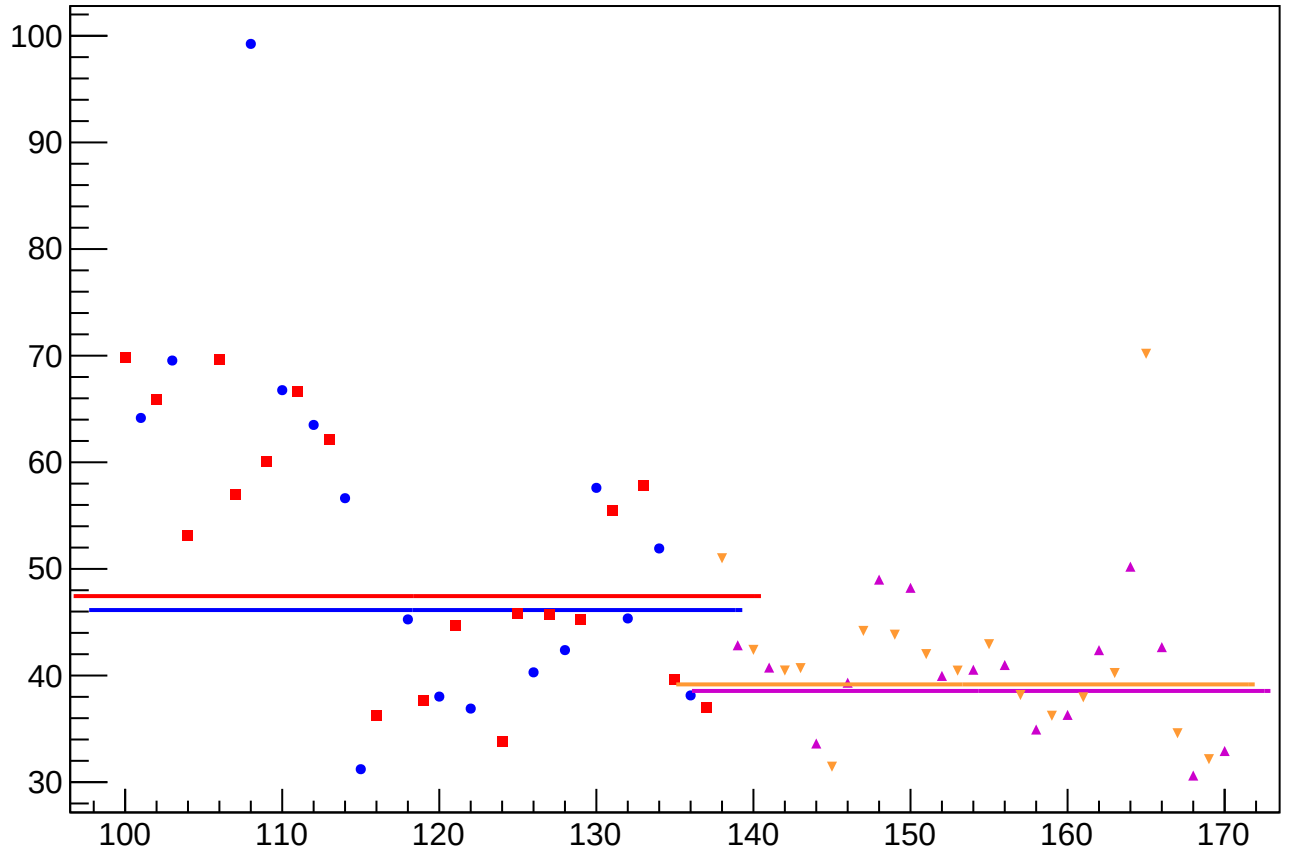
Left: -0.004+/-0.008 χ^2/NDF: 42.3/32

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: -0.004+/-0.009 χ^2/NDF:36.0/35

All: -0.005+/-0.007 χ^2/NDF: 70.5/67



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.168+/-0.008 χ^2/NDF:599423.6/16

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.554+/-0.008 χ^2/NDF:484060.0/15

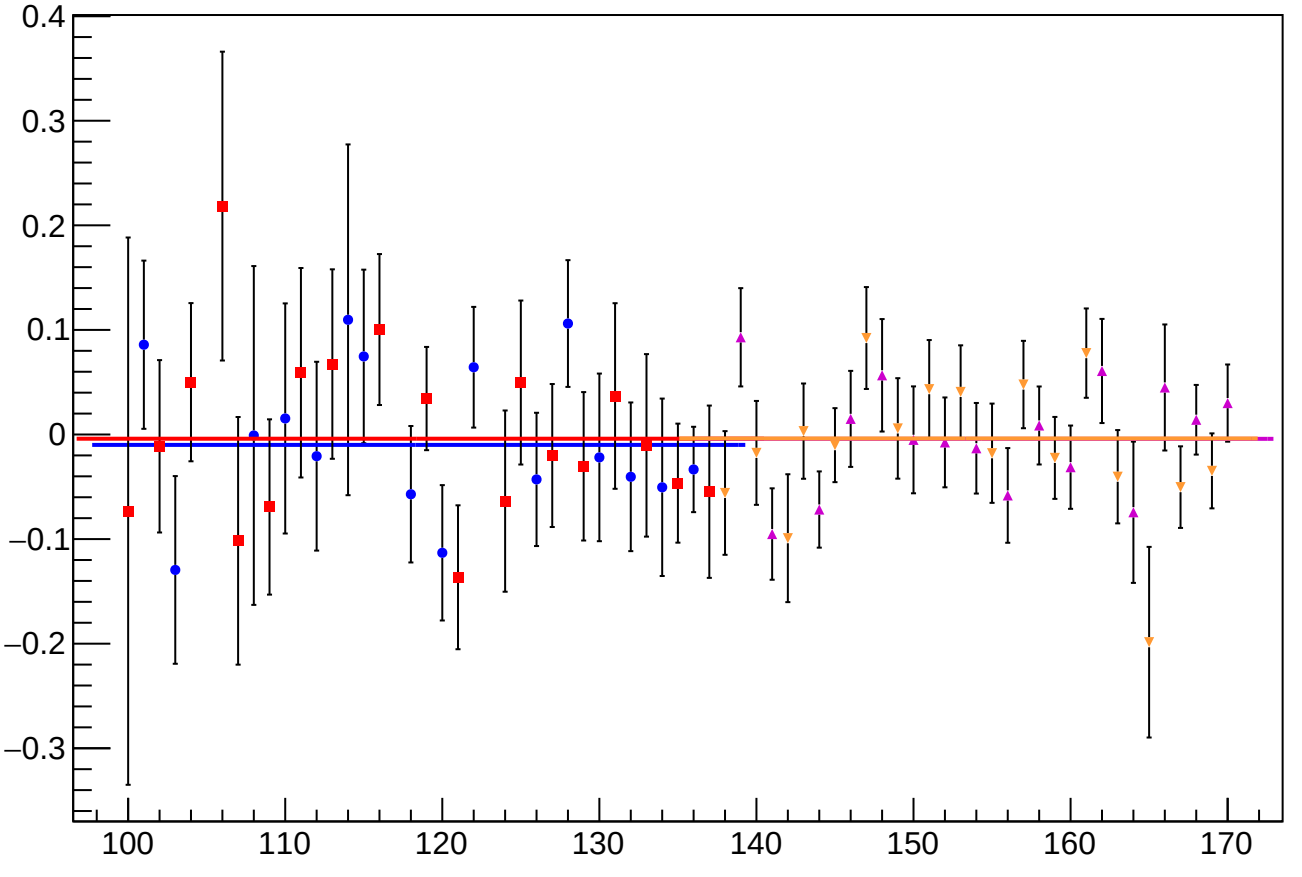
Left: 38.860+/-0.005 χ^2/NDF: 1086631.2/32

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.598+/-0.007 χ^2/NDF:1647163.5/31

Out: 41.391+/-0.007 χ^2/NDF:1560667.9/35

All: 40.993+/-0.005 χ^2/NDF: 3215015.9/67



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.004+/-0.011 χ^2/NDF:22.2/16

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.011 χ^2/NDF:20.2/15

Left: -0.004+/-0.008 χ^2/NDF: 42.3/32

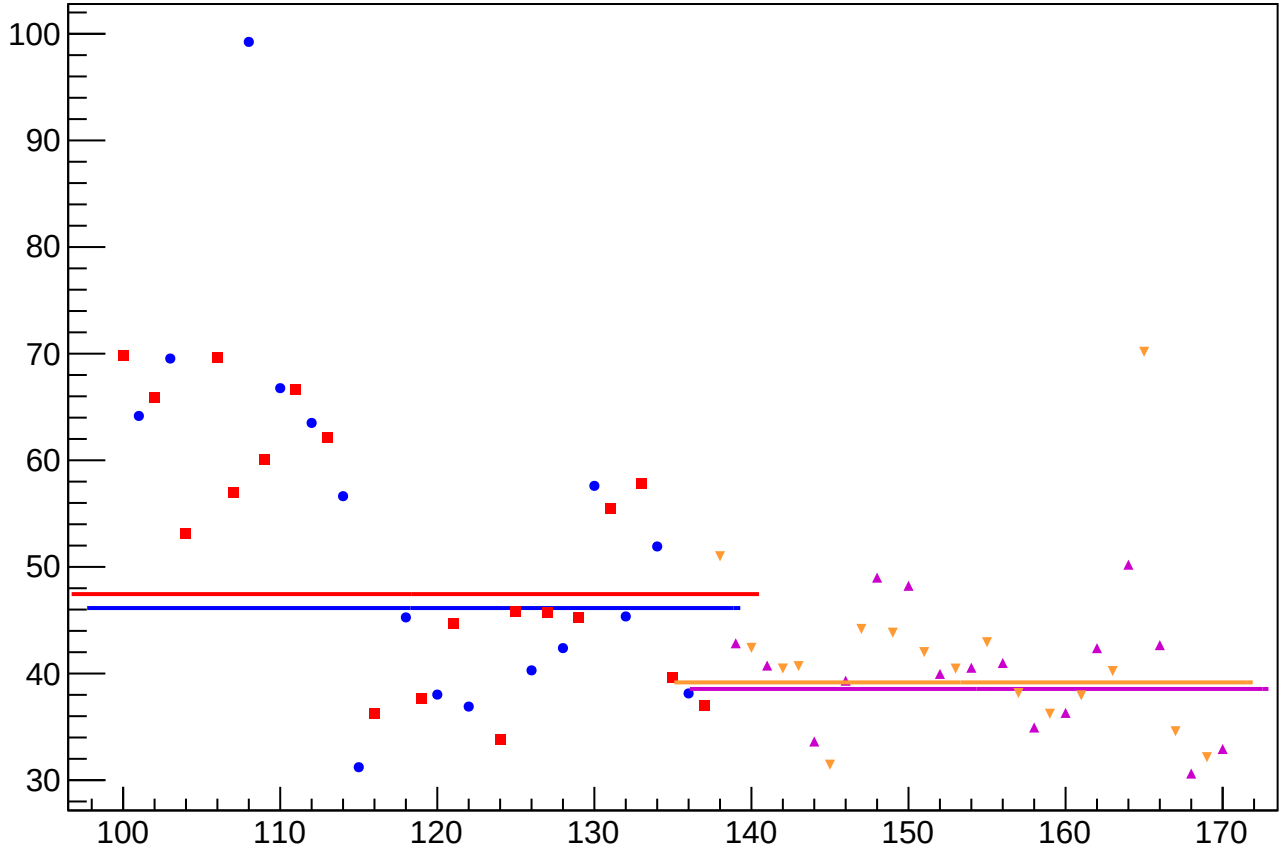
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: -0.004+/-0.009 χ^2/NDF:36.0/35

All: -0.005+/-0.007 χ^2/NDF: 70.5/67

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.168+/-0.008 χ^2/NDF:599423.6/16

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.554+/-0.008 χ^2/NDF:484060.0/15

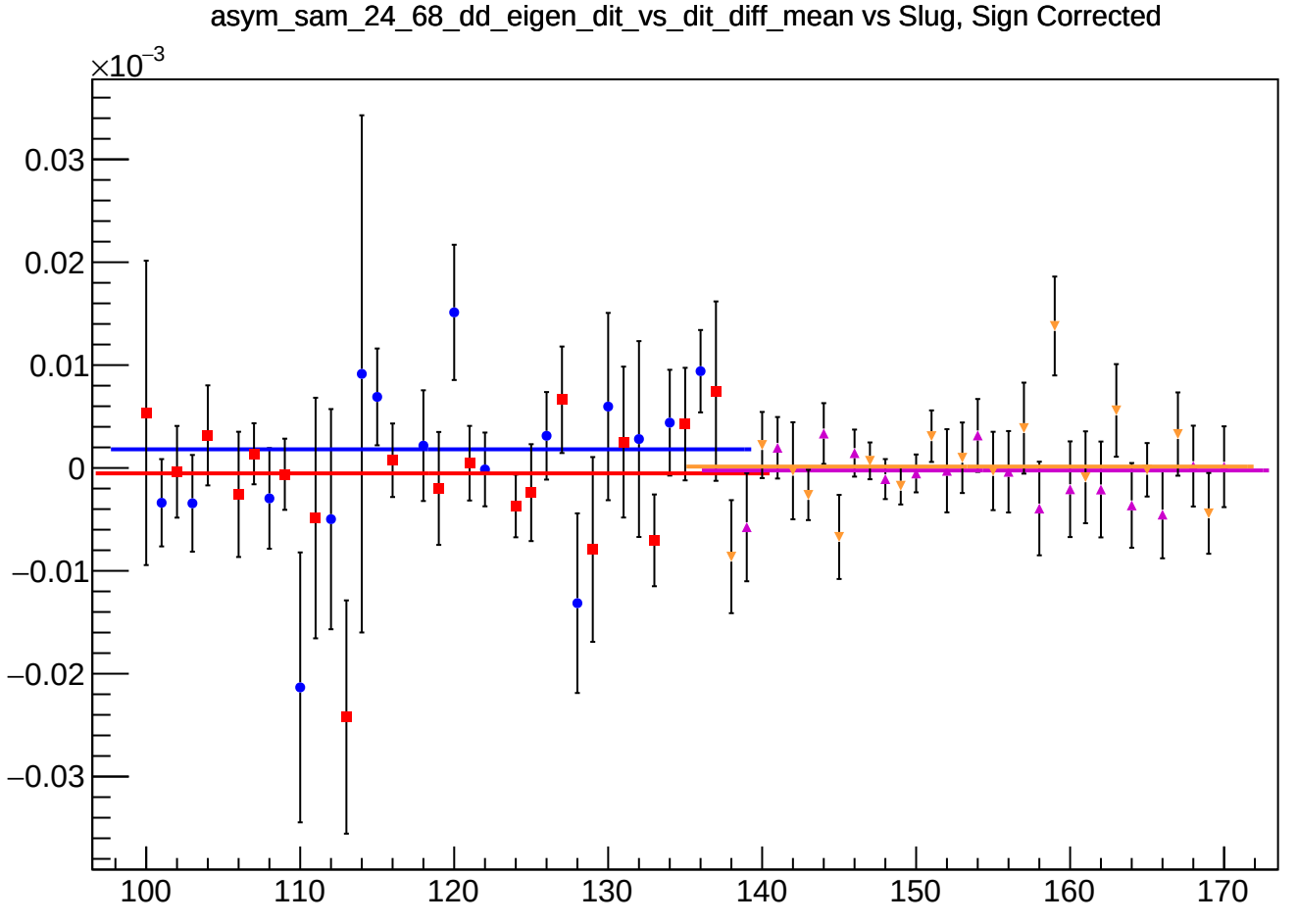
Left: 38.860+/-0.005 χ^2/NDF: 1086631.2/32

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.598+/-0.007 χ^2/NDF:1647163.5/31

Out: 41.391+/-0.007 χ^2/NDF:1560667.9/35

All: 40.993+/-0.005 χ^2/NDF: 3215015.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/15

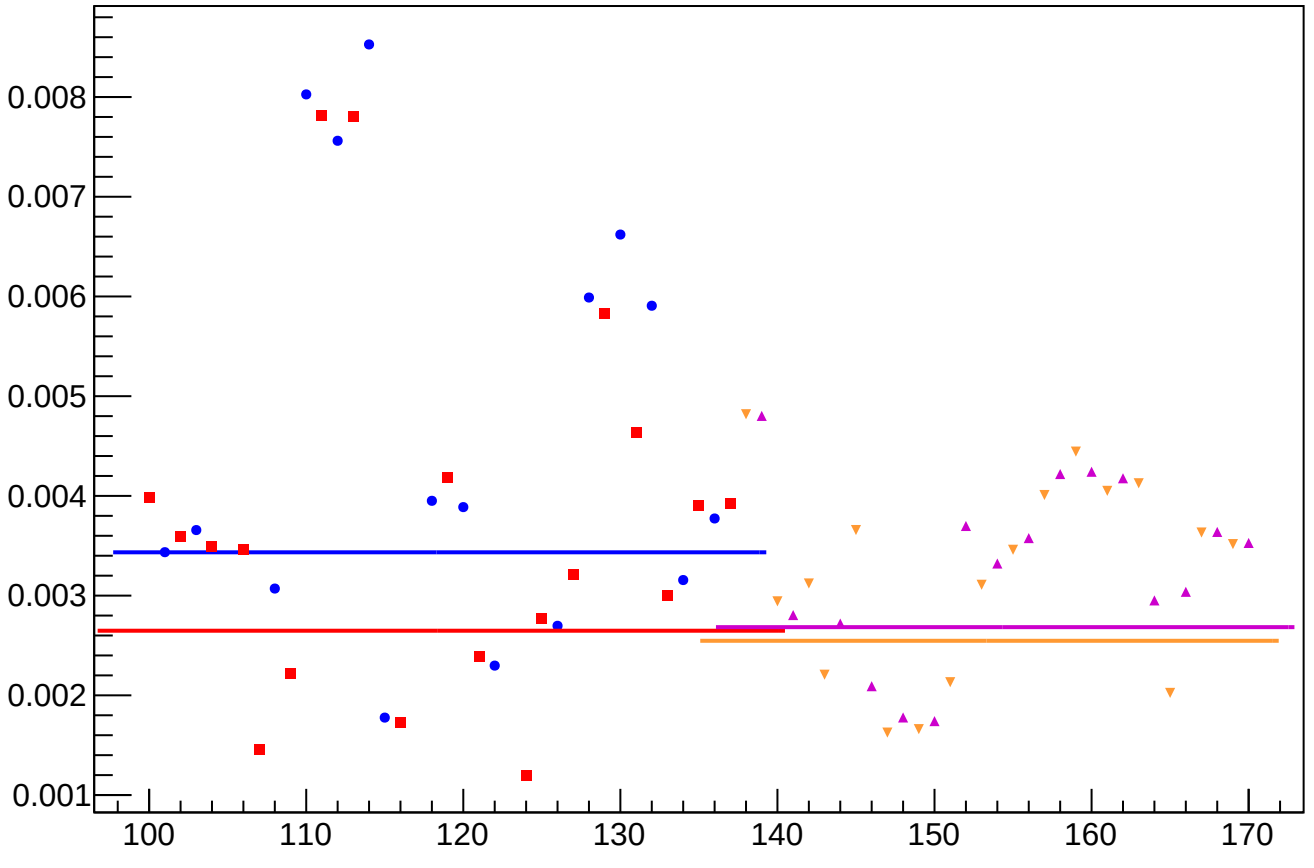
Left: -0.000+/-0.000 χ^2/NDF: 29.6/32

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:36.0/35

All: 0.000+/-0.000 χ^2/NDF: 65.3/67



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3166789.1/16

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2603949.7/15

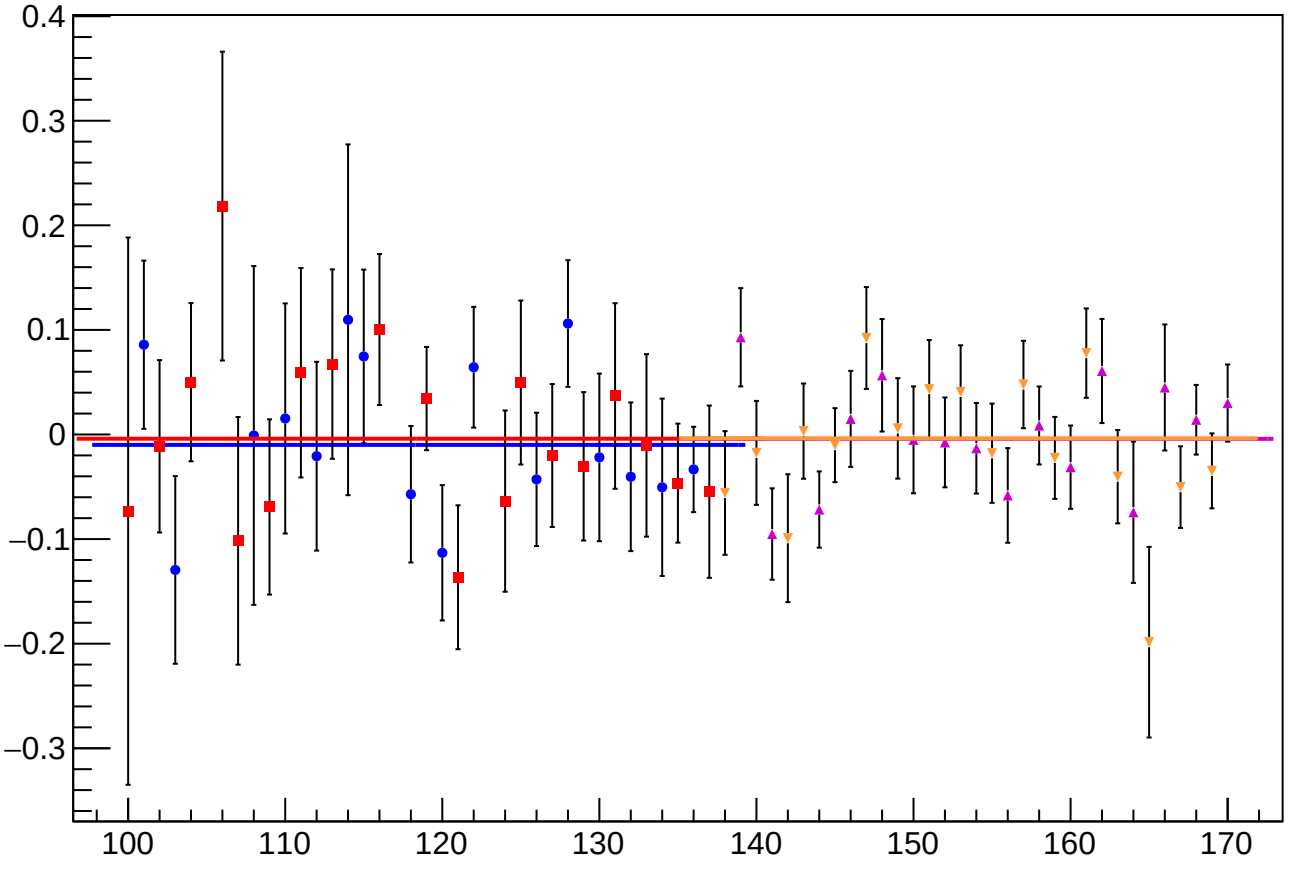
Left: 0.003+/-0.000 χ^2/NDF: 5802464.6/32

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4801764.8/31

Out: 0.003+/-0.000 χ^2/NDF:5875349.8/35

All: 0.003+/-0.000 χ^2/NDF: 10877454.2/67



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.004+/-0.011 χ^2/NDF:22.2/16

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.011 χ^2/NDF:20.2/15

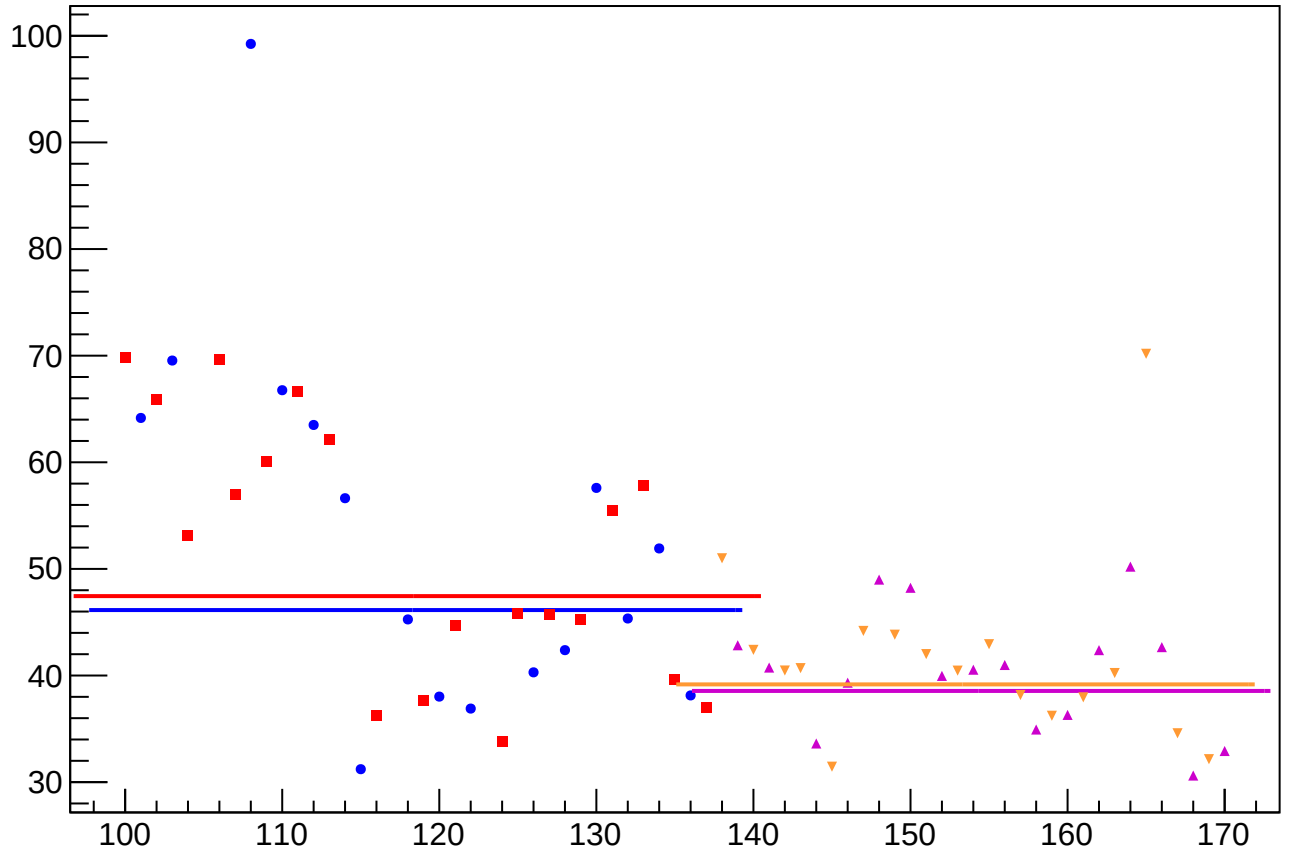
Left: -0.004+/-0.008 χ^2/NDF: 42.3/32

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: -0.004+/-0.009 χ^2/NDF:36.0/35

All: -0.005+/-0.007 χ^2/NDF: 70.5/67



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.168+/-0.008 χ^2/NDF:599460.6/16

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.554+/-0.008 χ^2/NDF:484128.8/15

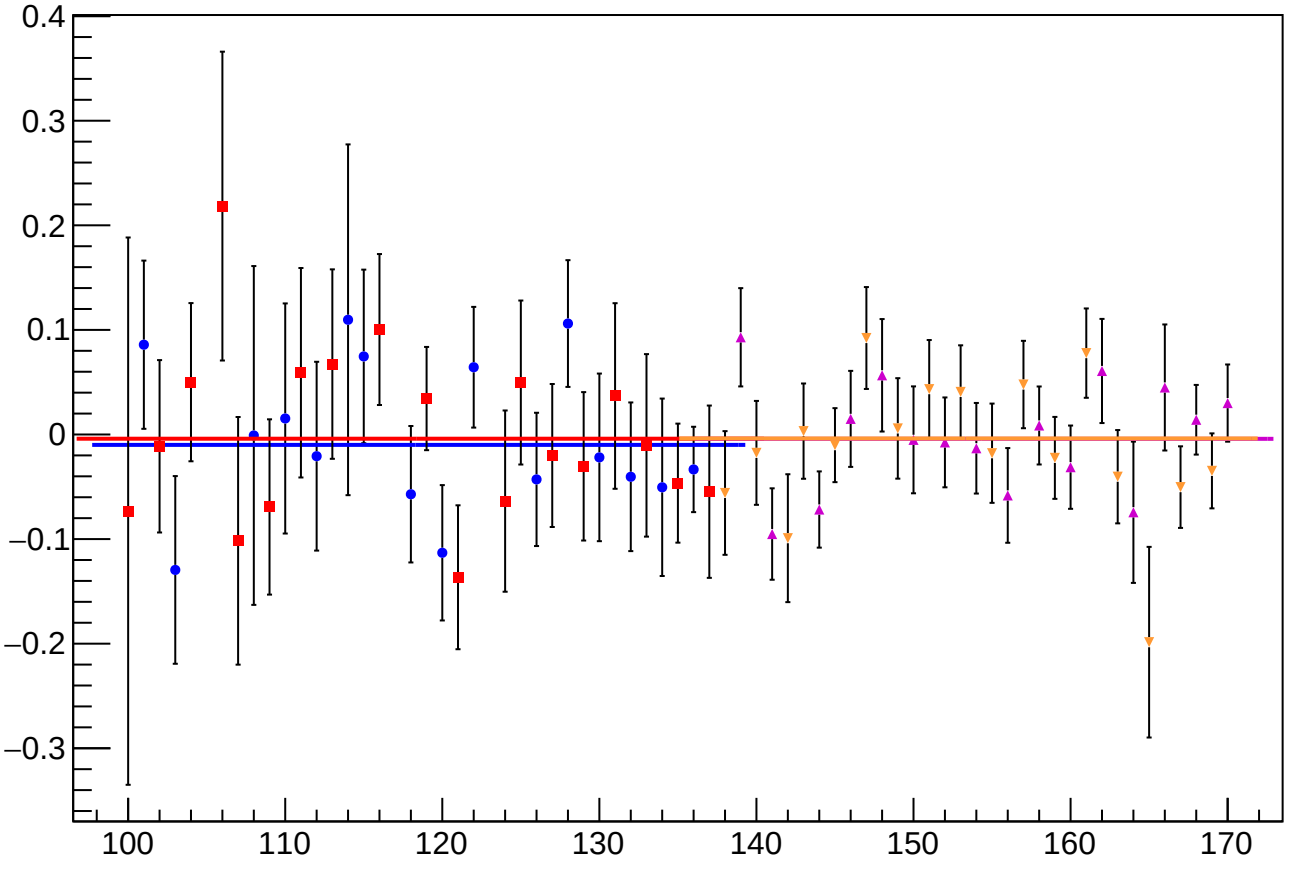
Left: 38.860+/-0.005 χ^2/NDF: 1086740.6/32

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.597+/-0.007 χ^2/NDF:1647129.1/31

Out: 41.391+/-0.007 χ^2/NDF:1560616.3/35

All: 40.993+/-0.005 χ^2/NDF: 3214936.5/67



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.004+/-0.011 χ^2/NDF:22.2/16

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.011 χ^2/NDF:20.2/15

Left: -0.004+/-0.008 χ^2/NDF: 42.3/32

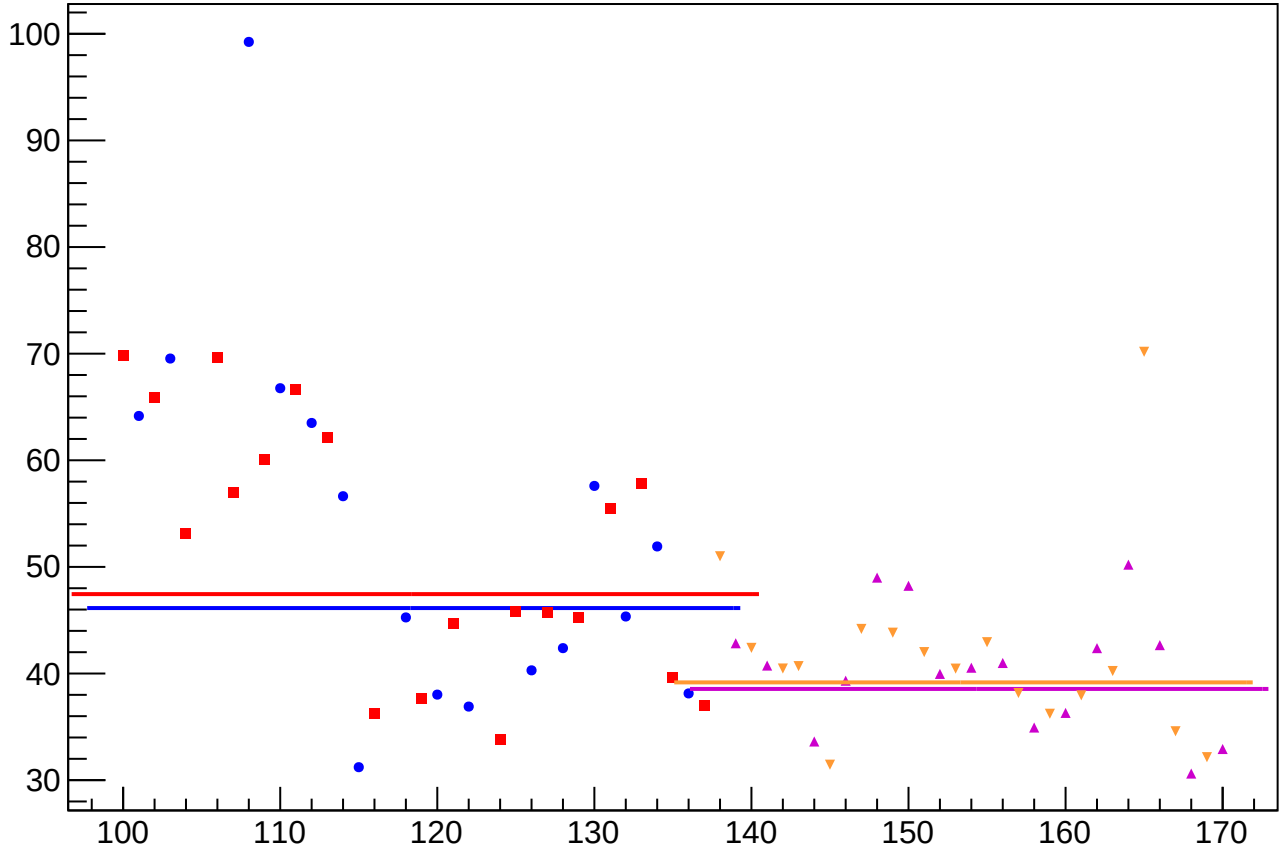
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: -0.004+/-0.009 χ^2/NDF:36.0/35

All: -0.005+/-0.007 χ^2/NDF: 70.5/67

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.168+/-0.008 χ^2/NDF:599460.6/16

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.554+/-0.008 χ^2/NDF:484128.8/15

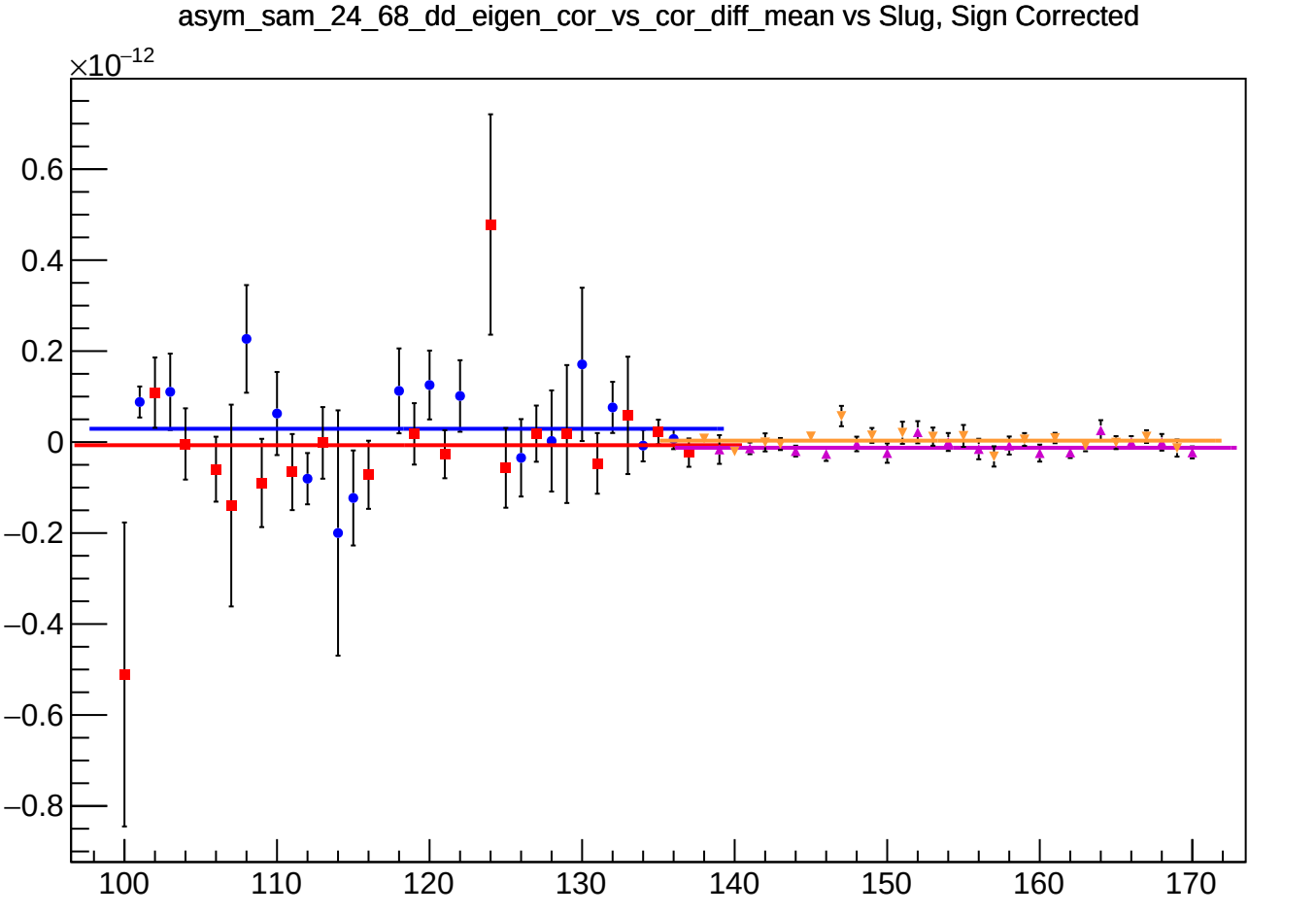
Left: 38.860+/-0.005 χ^2/NDF: 1086740.6/32

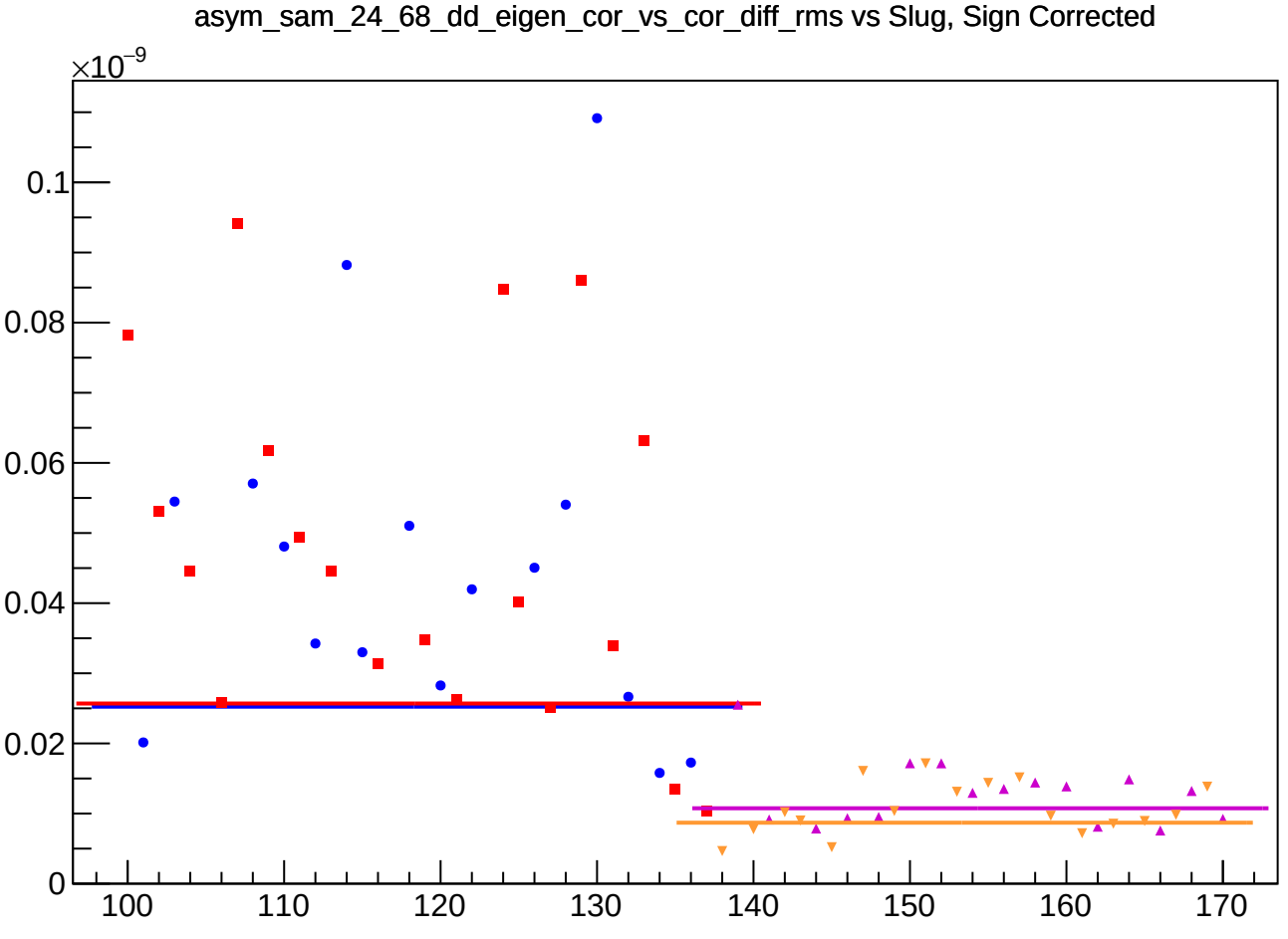
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.597+/-0.007 χ^2/NDF:1647129.1/31

Out: 41.391+/-0.007 χ^2/NDF:1560616.3/35

All: 40.993+/-0.005 χ^2/NDF: 3214936.5/67


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.4/16
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/15
Left: -0.000+/-0.000 χ²/NDF: 37.1/32
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:39.8/31
Out: 0.000+/-0.000 χ²/NDF:33.2/35
All: -0.000+/-0.000 χ²/NDF: 77.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1704281.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1449036.8/15

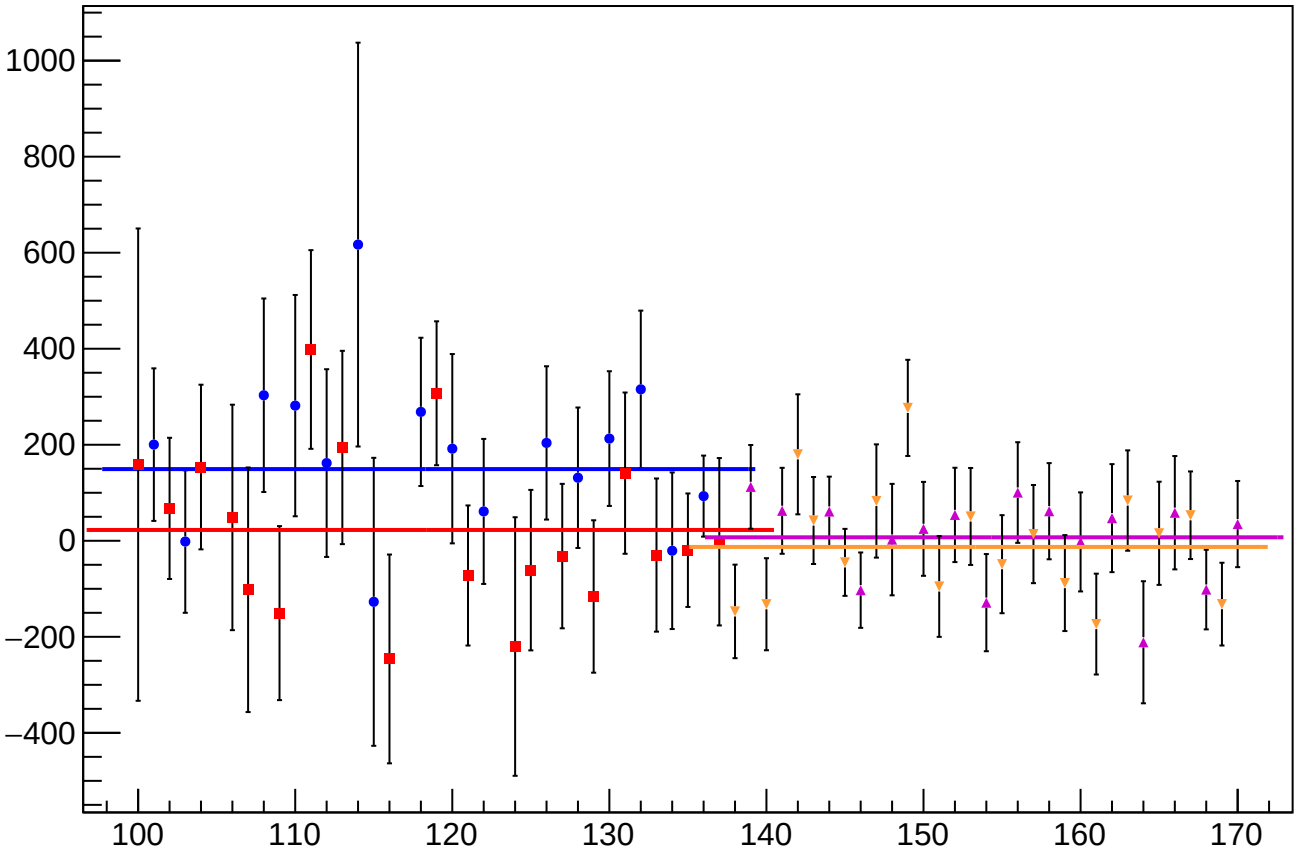
Left: 0.000+/-0.000 χ^2/NDF: 3447126.8/32

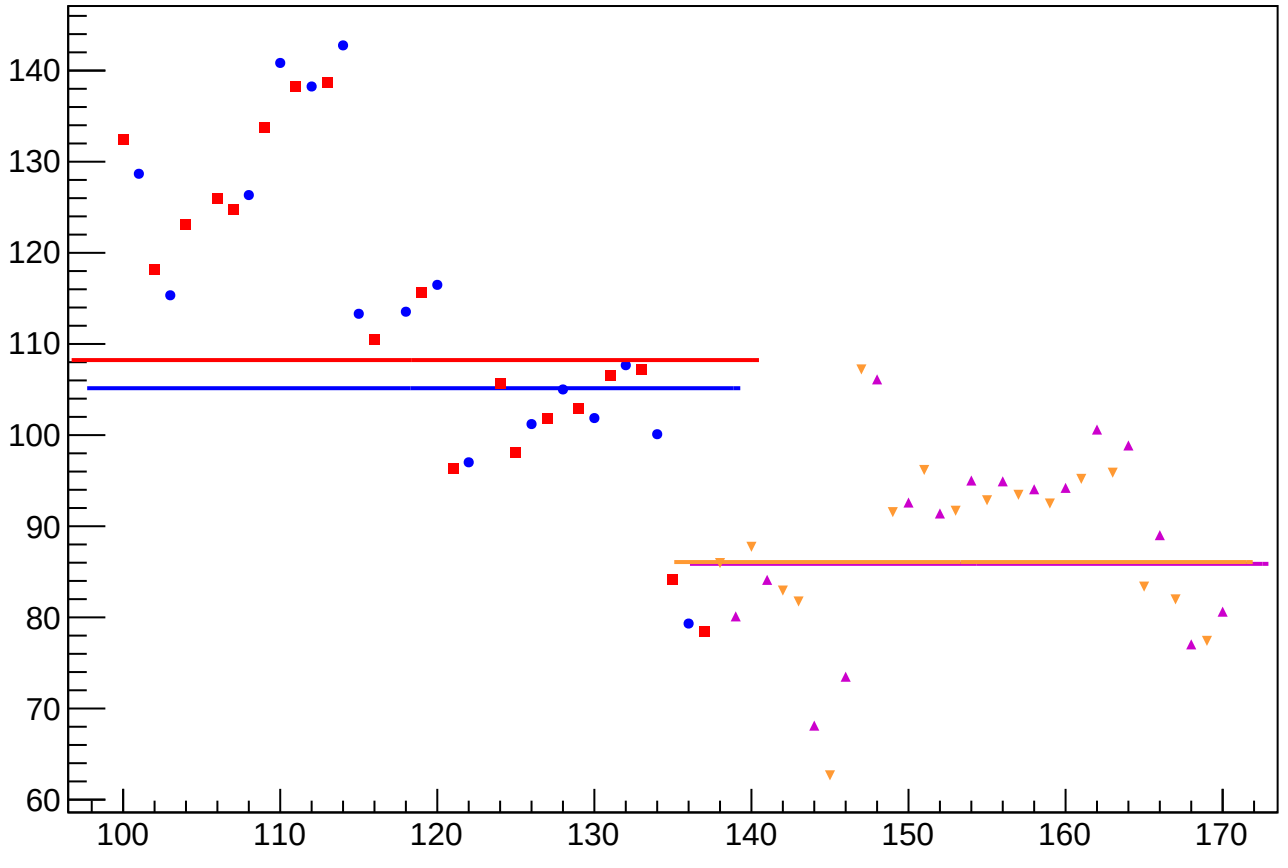
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5669906.2/31

Out: 0.000+/-0.000 χ^2/NDF:7149539.4/35

All: 0.000+/-0.000 χ^2/NDF: 13236604.5/67


reg_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: 149.303+/-39.687 χ²/NDF: 8.0/15
Left Out: -12.800+/-23.694 χ²/NDF:22.9/16
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: 7.244+/-23.867 χ²/NDF:12.6/15
Left: -2.851+/-16.815 χ²/NDF: 35.9/32
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 44.975+/-20.453 χ²/NDF:30.0/31
Out: -3.653+/-20.399 χ²/NDF:37.7/35
All: 20.597+/-14.443 χ²/NDF: 70.6/67



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.071+/-0.017 χ^2/NDF:412072.5/16

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.873+/-0.017 χ^2/NDF:399320.6/15

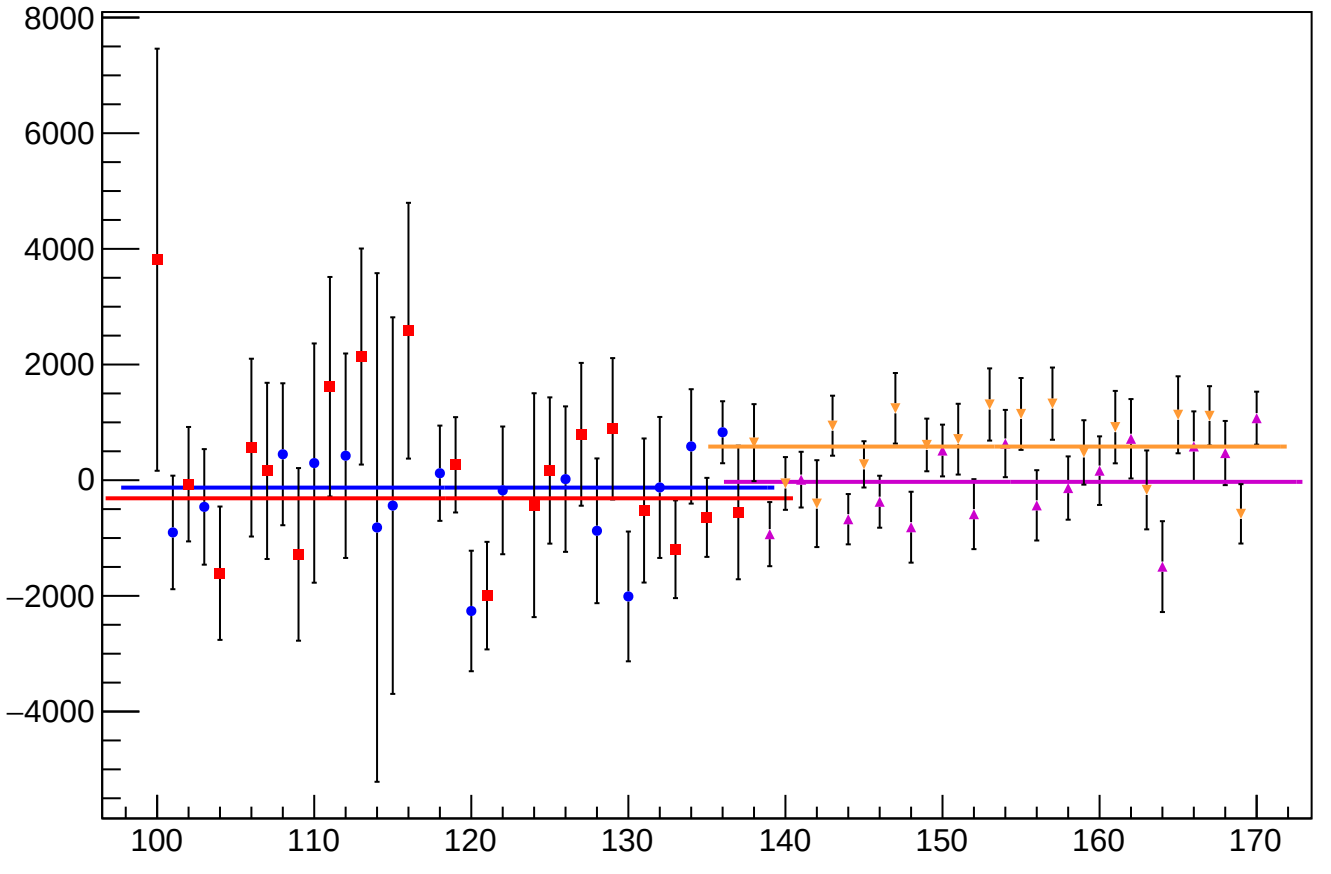
Left: 85.973+/-0.012 χ^2/NDF: 811462.3/32

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.992+/-0.014 χ^2/NDF:1154121.9/31

Out: 91.806+/-0.014 χ^2/NDF:1214804.0/35

All: 91.400+/-0.010 χ^2/NDF: 2370512.6/67



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 581.491+/-135.503 χ^2/NDF:18.0/16

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -28.705+/-135.445 χ^2/NDF:23.6/15

Left: 276.261+/-95.795 χ^2/NDF: 51.7/32

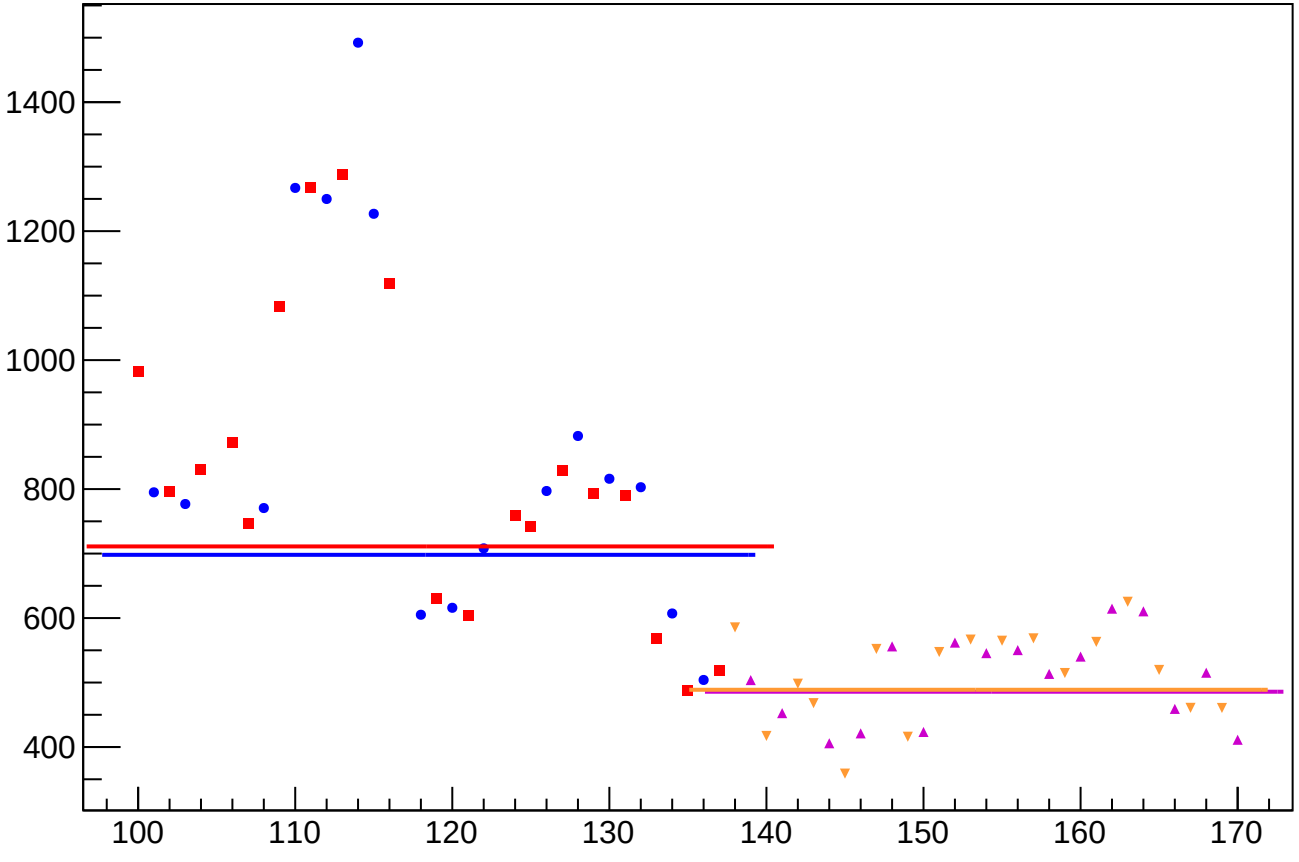
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -48.845+/-120.940 χ^2/NDF:36.0/31

Out: 401.658+/-121.119 χ^2/NDF:41.8/35

All: 176.072+/-85.581 χ^2/NDF: 84.7/67

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: 488.793+/-0.096 χ^2/NDF:619605.2/16

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 485.764+/-0.096 χ^2/NDF:466210.1/15

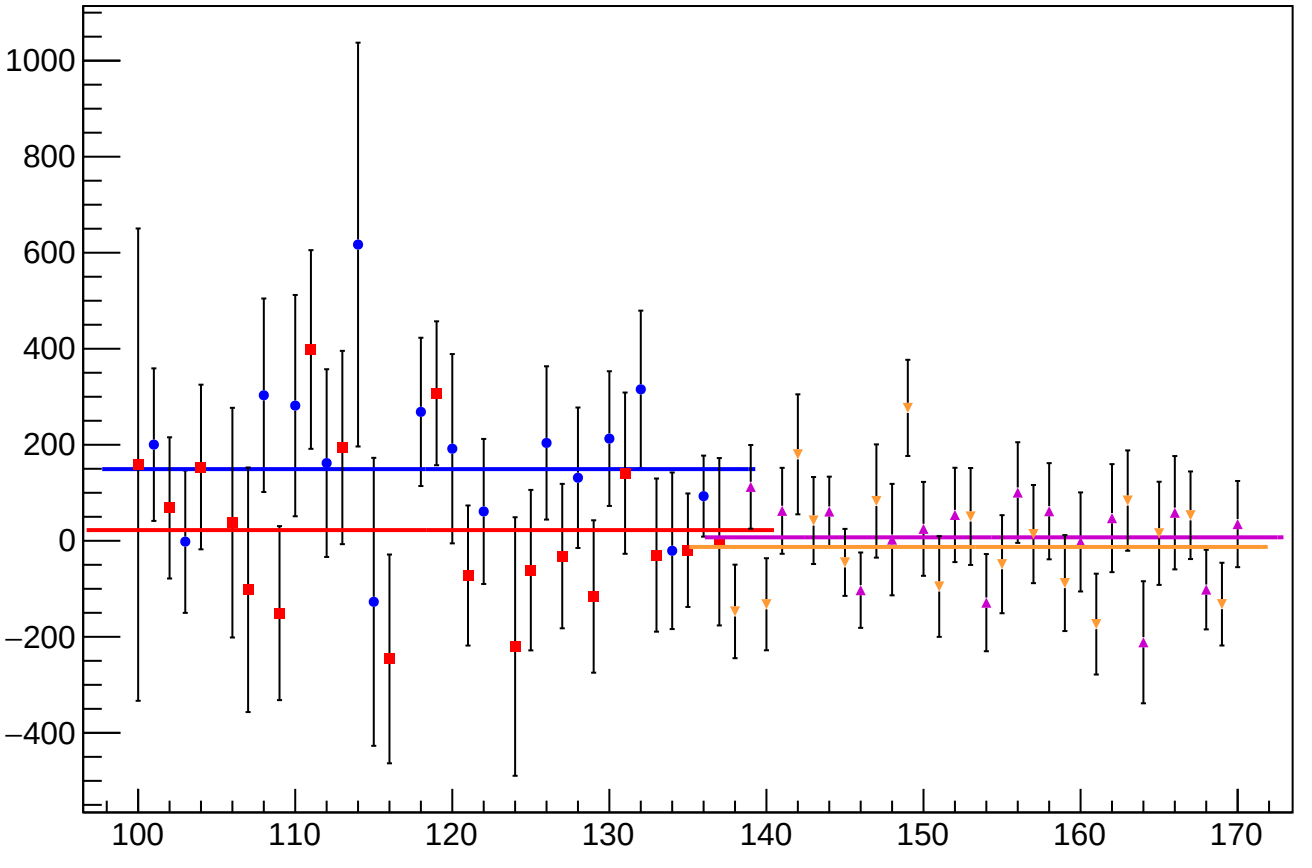
Left: 487.278+/-0.068 χ^2/NDF: 1086314.9/32

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 528.799+/-0.086 χ^2/NDF:2375049.2/31

Out: 533.482+/-0.086 χ^2/NDF:2736823.8/35

All: 531.137+/-0.061 χ^2/NDF: 5113370.3/67



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -12.802+/-23.694 χ^2/NDF:22.9/16

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 7.245+/-23.867 χ^2/NDF:12.6/15

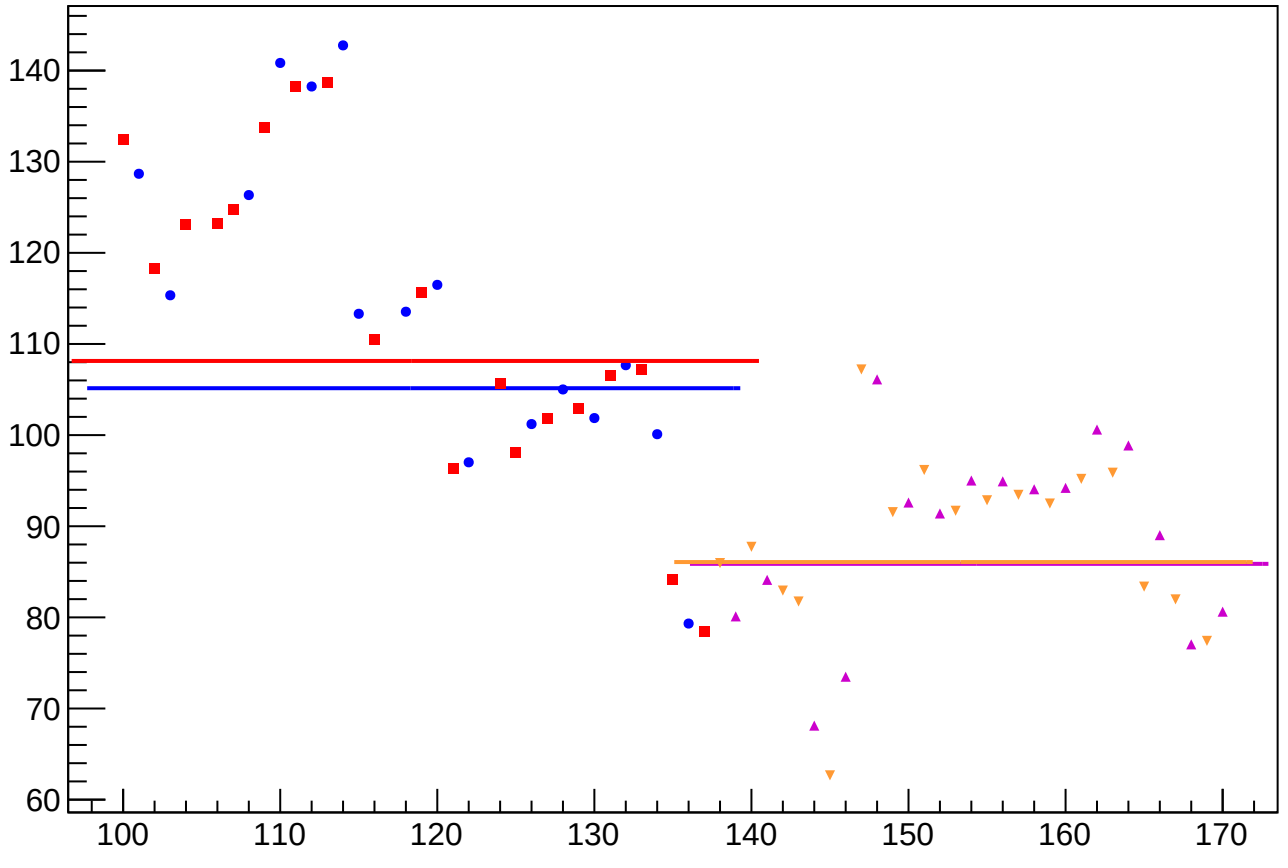
Left: -2.852+/-16.815 χ^2/NDF: 35.9/32

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 44.974+/-20.453 χ^2/NDF:30.0/31

Out: -3.727+/-20.402 χ^2/NDF:37.7/35

All: 20.562+/-14.445 χ^2/NDF: 70.6/67



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.071+/-0.017 χ^2/NDF:412072.5/16

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.873+/-0.017 χ^2/NDF:399320.7/15

Left: 85.973+/-0.012 χ^2/NDF: 811462.3/32

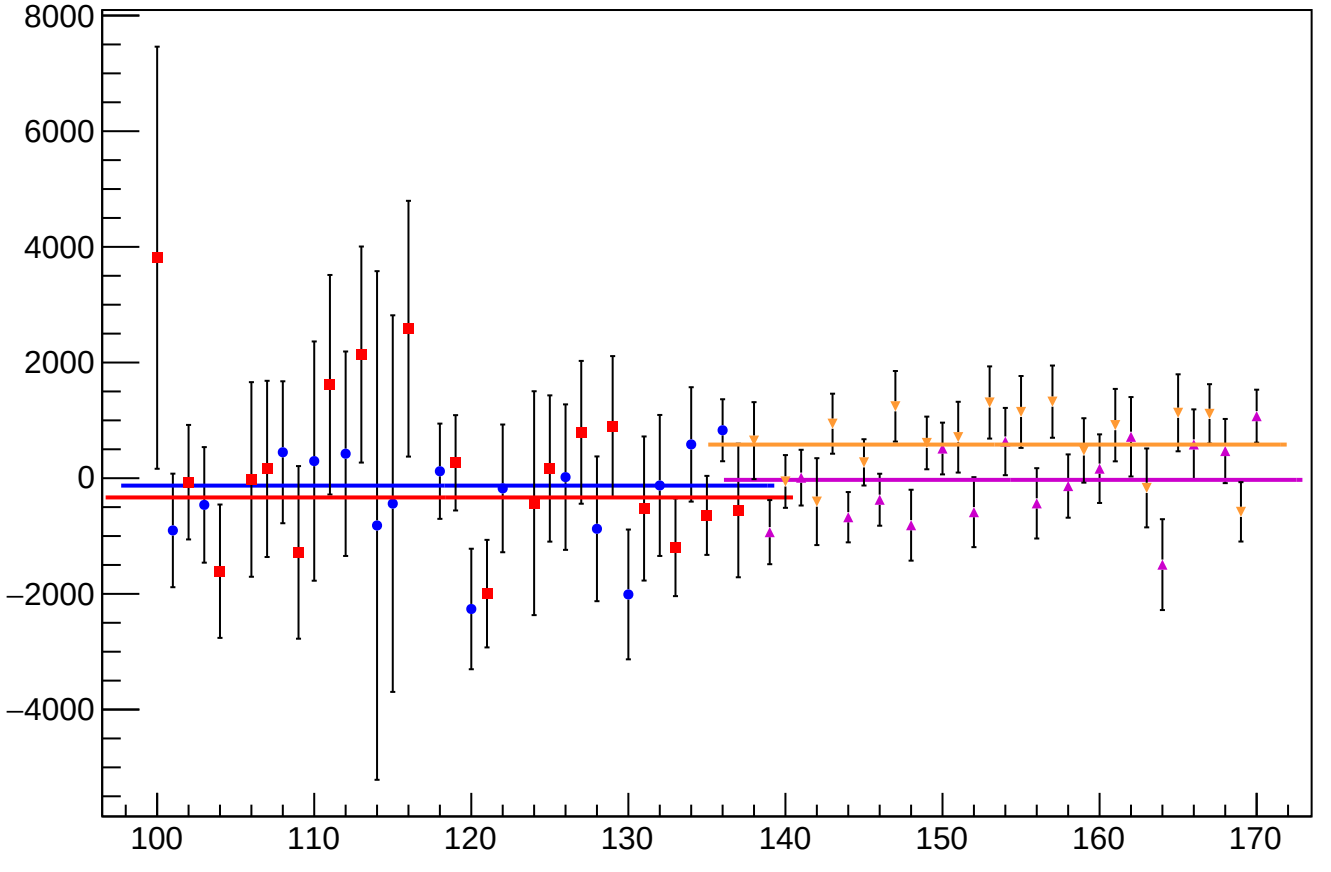
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.992+/-0.014 χ^2/NDF:1154122.3/31

Out: 91.776+/-0.014 χ^2/NDF:1206893.3/35

All: 91.385+/-0.010 χ^2/NDF: 2362488.8/67

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: 581.492+/-135.504 χ^2/NDF:18.0/16

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -28.706+/-135.445 χ^2/NDF:23.6/15

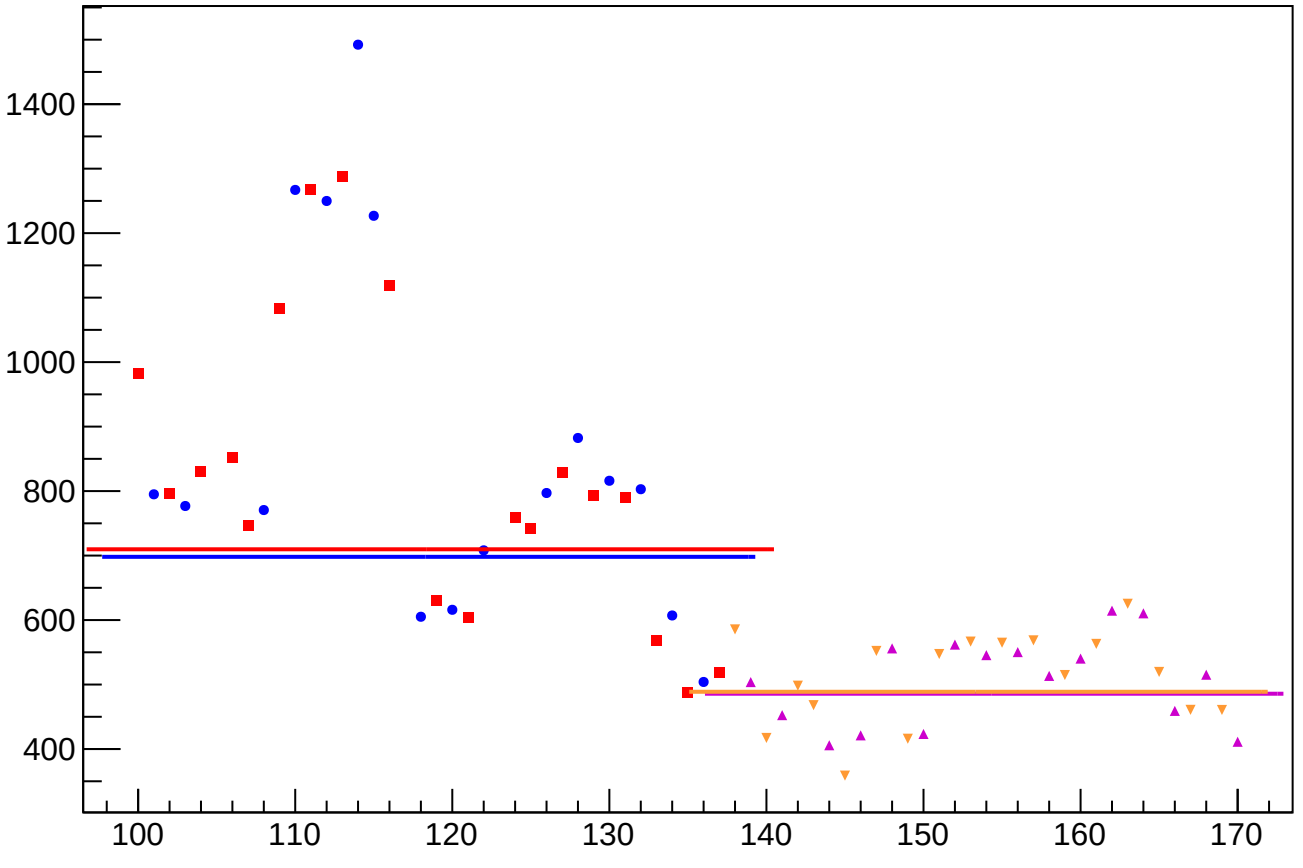
Left: 276.261+/-95.795 χ^2/NDF: 51.7/32

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -48.844+/-120.940 χ^2/NDF:36.0/31

Out: 398.475+/-121.183 χ^2/NDF:41.8/35

All: 174.367+/-85.603 χ^2/NDF: 84.6/67



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 488.793+/-0.096 χ^2/NDF:619604.9/16

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

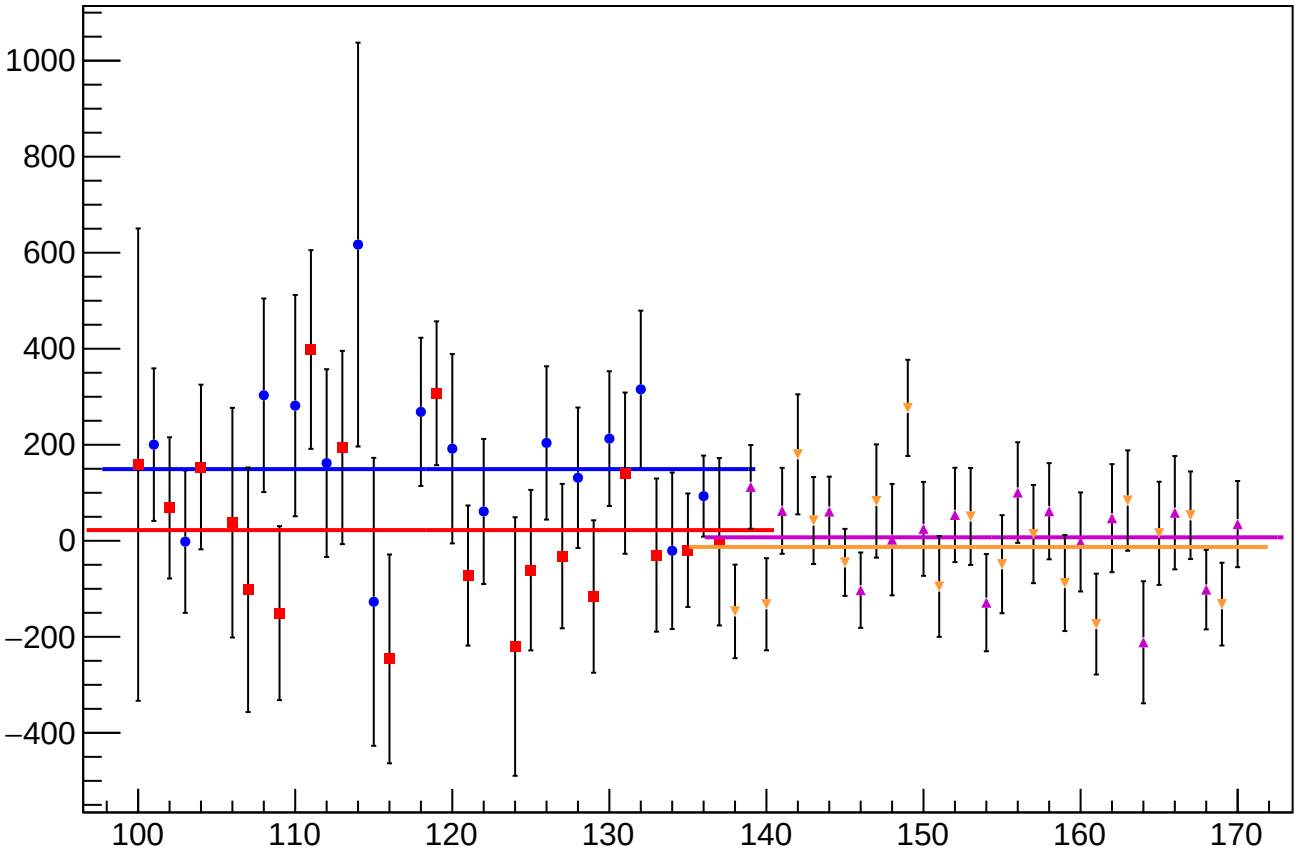
Left: 487.278+/-0.068 χ^2/NDF: 1086316.1/32

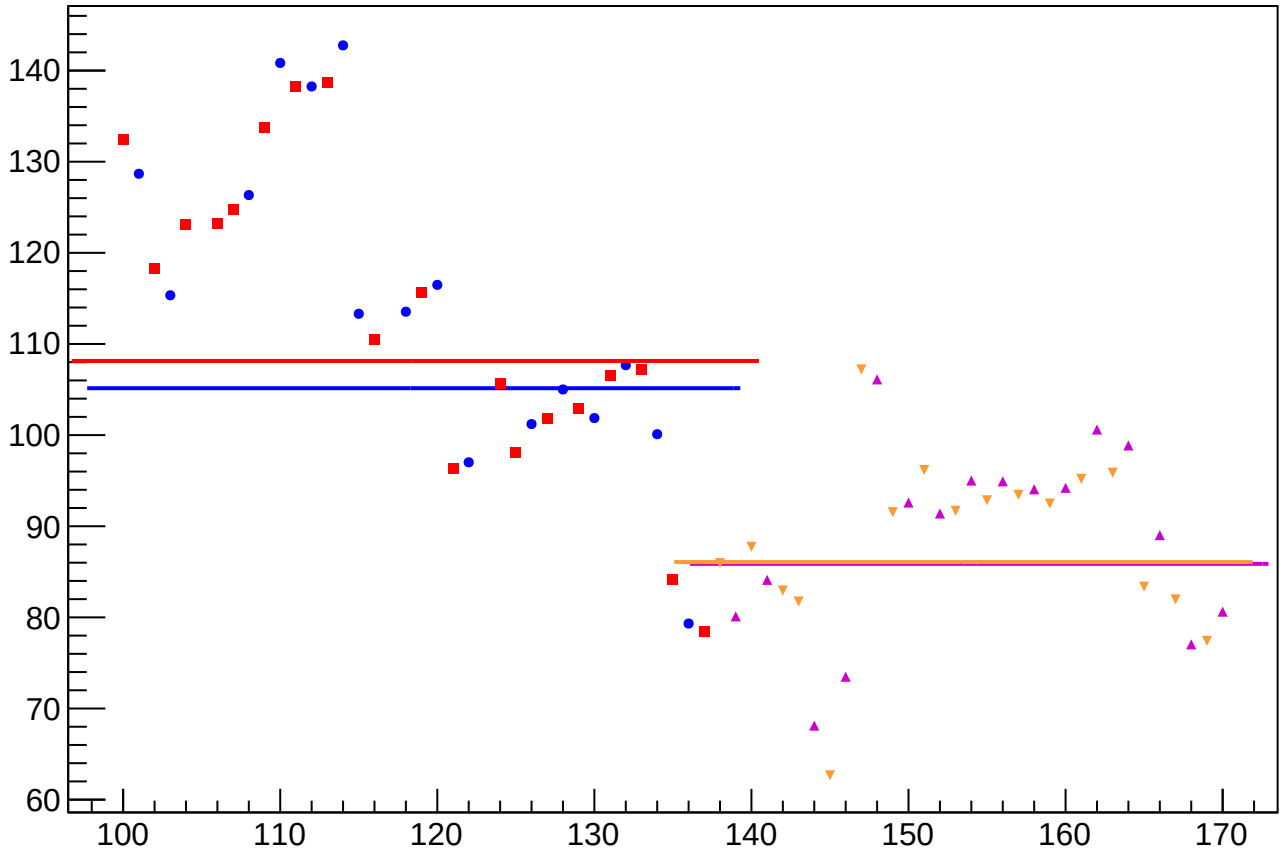
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 528.799+/-0.086 χ^2/NDF:2375062.6/31

Out: 533.029+/-0.086 χ^2/NDF:2711375.6/35

All: 530.910+/-0.061 χ^2/NDF: 5087658.6/67


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: -12.802+/-23.694 χ²/NDF:22.9/16
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 7.245+/-23.867 χ²/NDF:12.6/15
Left: -2.852+/-16.815 χ²/NDF: 35.9/32
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 44.974+/-20.453 χ²/NDF:30.0/31
Out: -3.727+/-20.402 χ²/NDF:37.7/35
All: 20.562+/-14.445 χ²/NDF: 70.6/67



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.071+/-0.017 χ^2/NDF:412072.5/16

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.873+/-0.017 χ^2/NDF:399320.7/15

Left: 85.973+/-0.012 χ^2/NDF: 811462.3/32

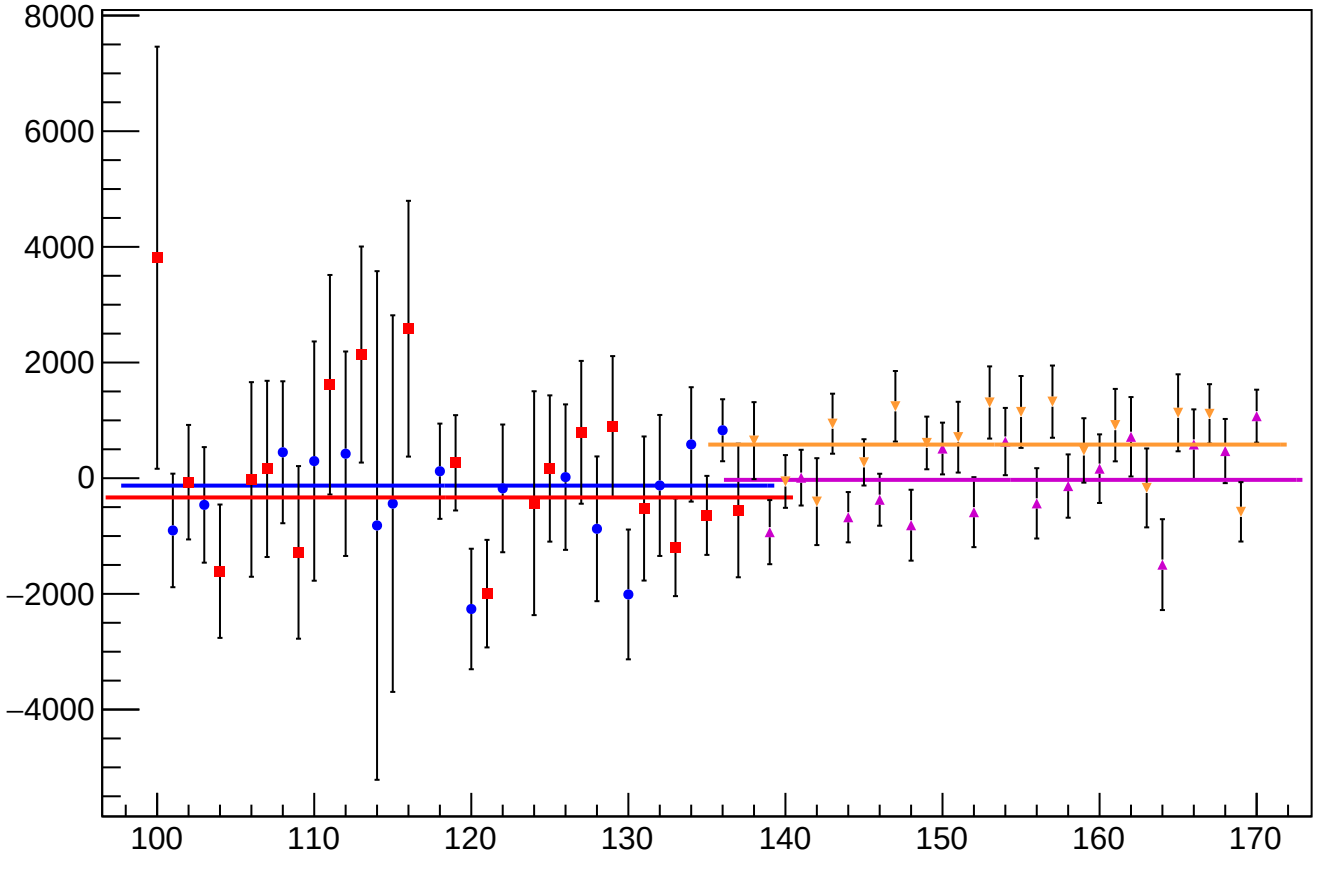
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.992+/-0.014 χ^2/NDF:1154122.3/31

Out: 91.776+/-0.014 χ^2/NDF:1206893.3/35

All: 91.385+/-0.010 χ^2/NDF: 2362488.8/67

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: 581.492+/-135.504 χ^2/NDF:18.0/16

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -28.706+/-135.445 χ^2/NDF:23.6/15

Left: 276.261+/-95.795 χ^2/NDF: 51.7/32

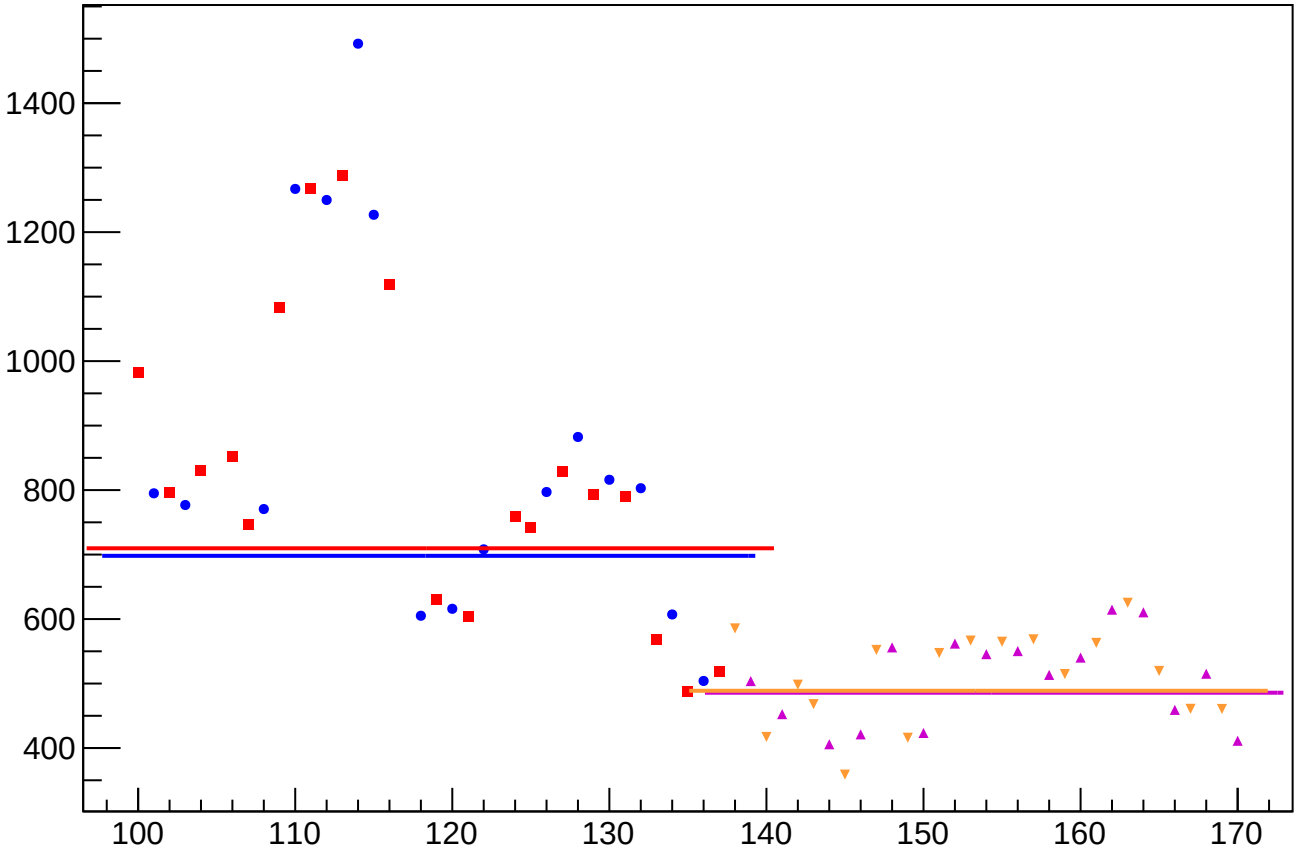
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -48.844+/-120.940 χ^2/NDF:36.0/31

Out: 398.475+/-121.183 χ^2/NDF:41.8/35

All: 174.367+/-85.603 χ^2/NDF: 84.6/67

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 488.793+/-0.096 χ^2/NDF:619604.9/16

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

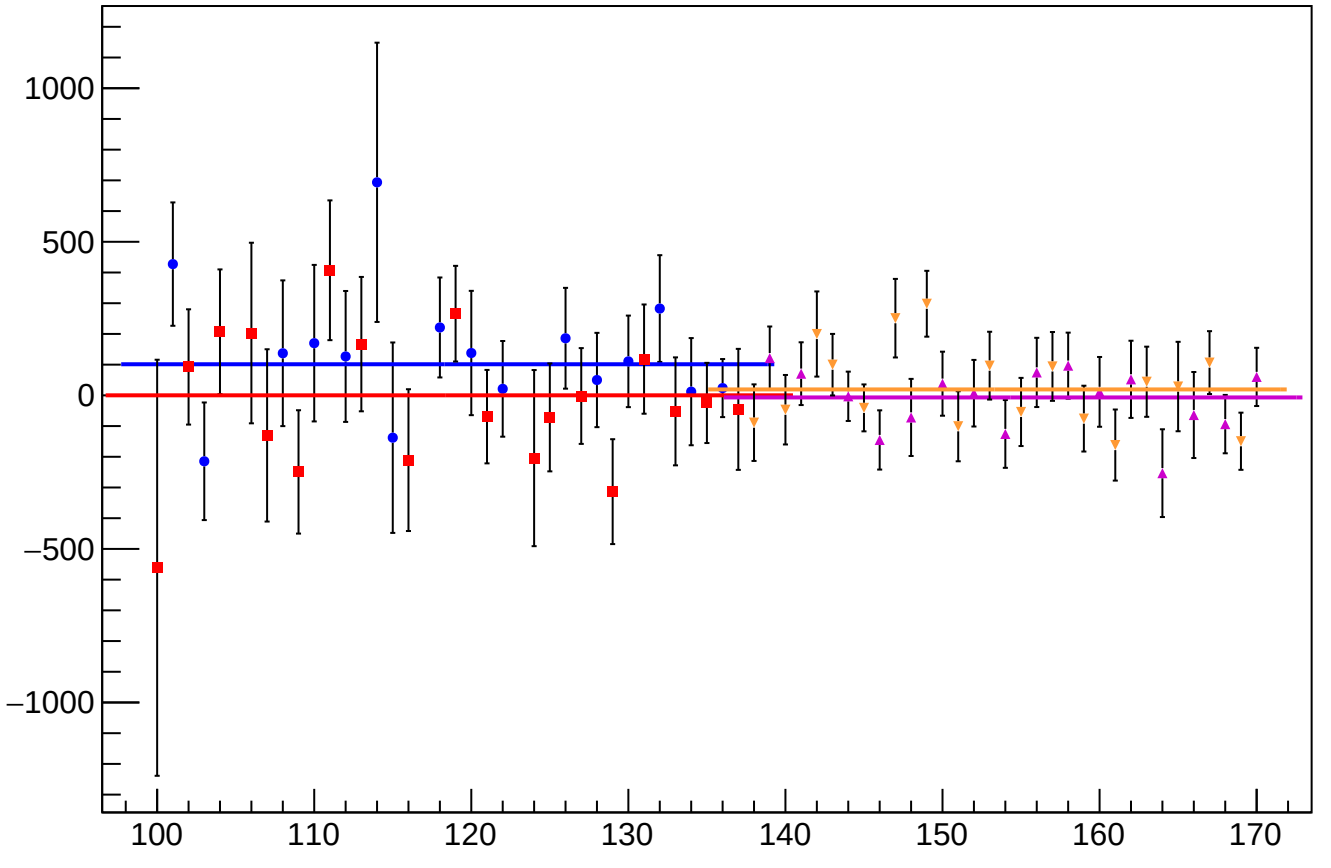
Left: 487.278+/-0.068 χ^2/NDF: 1086316.1/32

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 528.799+/-0.086 χ^2/NDF:2375062.6/31

Out: 533.029+/-0.086 χ^2/NDF:2711375.6/35

All: 530.910+/-0.061 χ^2/NDF: 5087658.6/67



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 19.293+/-26.445 χ^2/NDF:23.9/16

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -6.781+/-26.690 χ^2/NDF:12.0/15

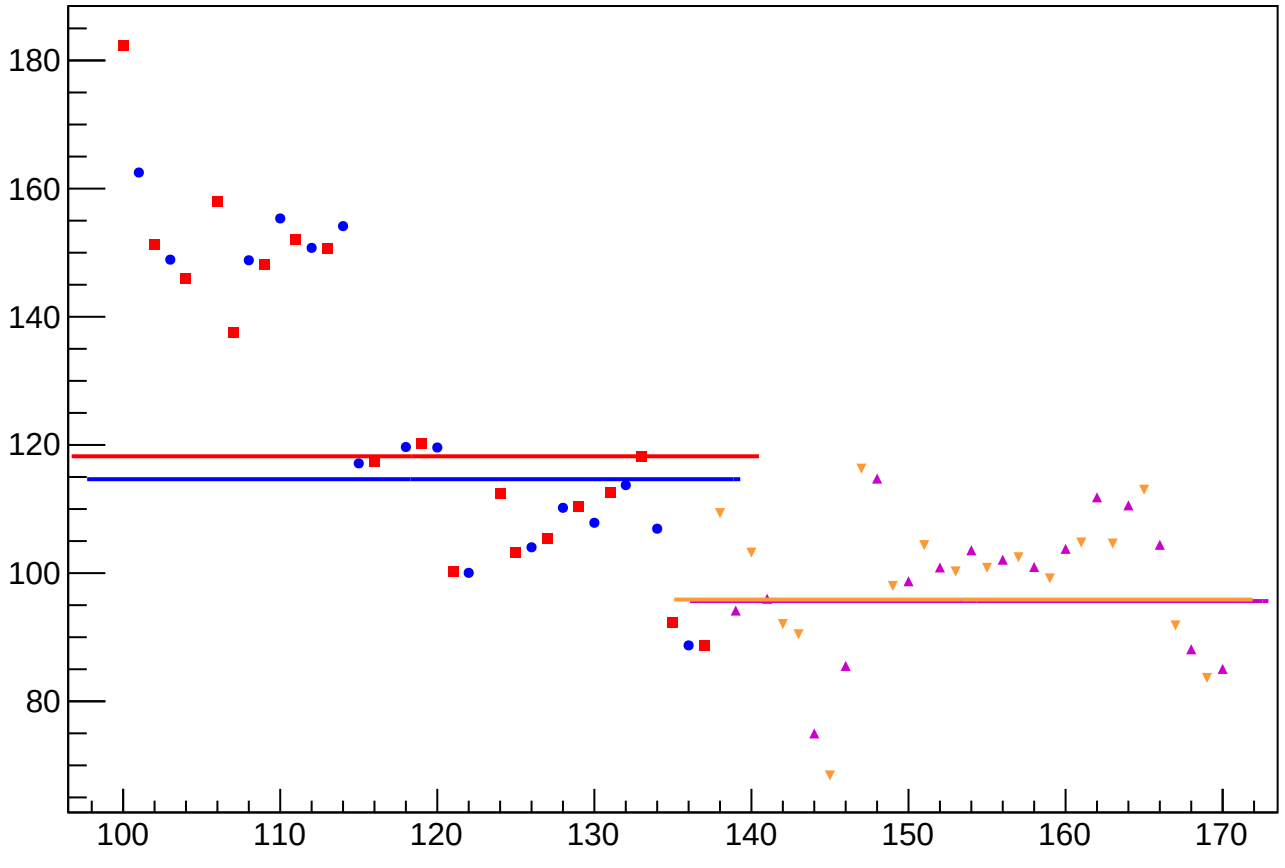
Left: 6.376+/-18.786 χ^2/NDF: 36.4/32

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 22.765+/-22.751 χ^2/NDF:27.5/31

Out: 14.212+/-22.671 χ^2/NDF:40.6/35

All: 18.474+/-16.059 χ^2/NDF: 68.2/67



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.875+/-0.019 χ^2/NDF:465094.5/16

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.638+/-0.019 χ^2/NDF:340008.7/15

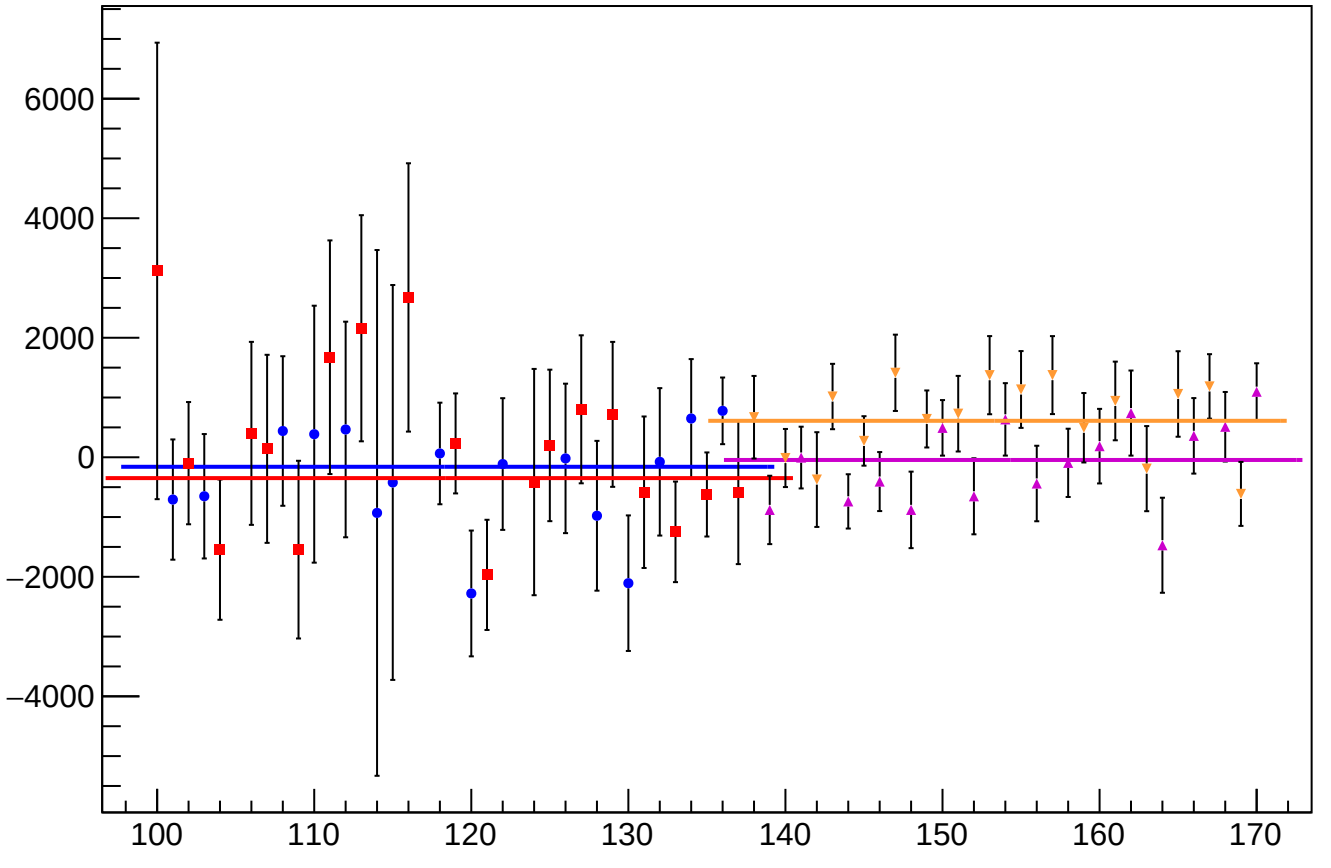
Left: 95.758+/-0.013 χ^2/NDF: 805182.6/32

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 100.838+/-0.016 χ^2/NDF:1149567.6/31

Out: 101.801+/-0.016 χ^2/NDF:1327338.2/35

All: 101.321+/-0.011 χ^2/NDF: 2478703.9/67



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 610.279+/-141.876 χ^2/NDF:17.7/16

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -45.015+/-142.015 χ^2/NDF:22.3/15

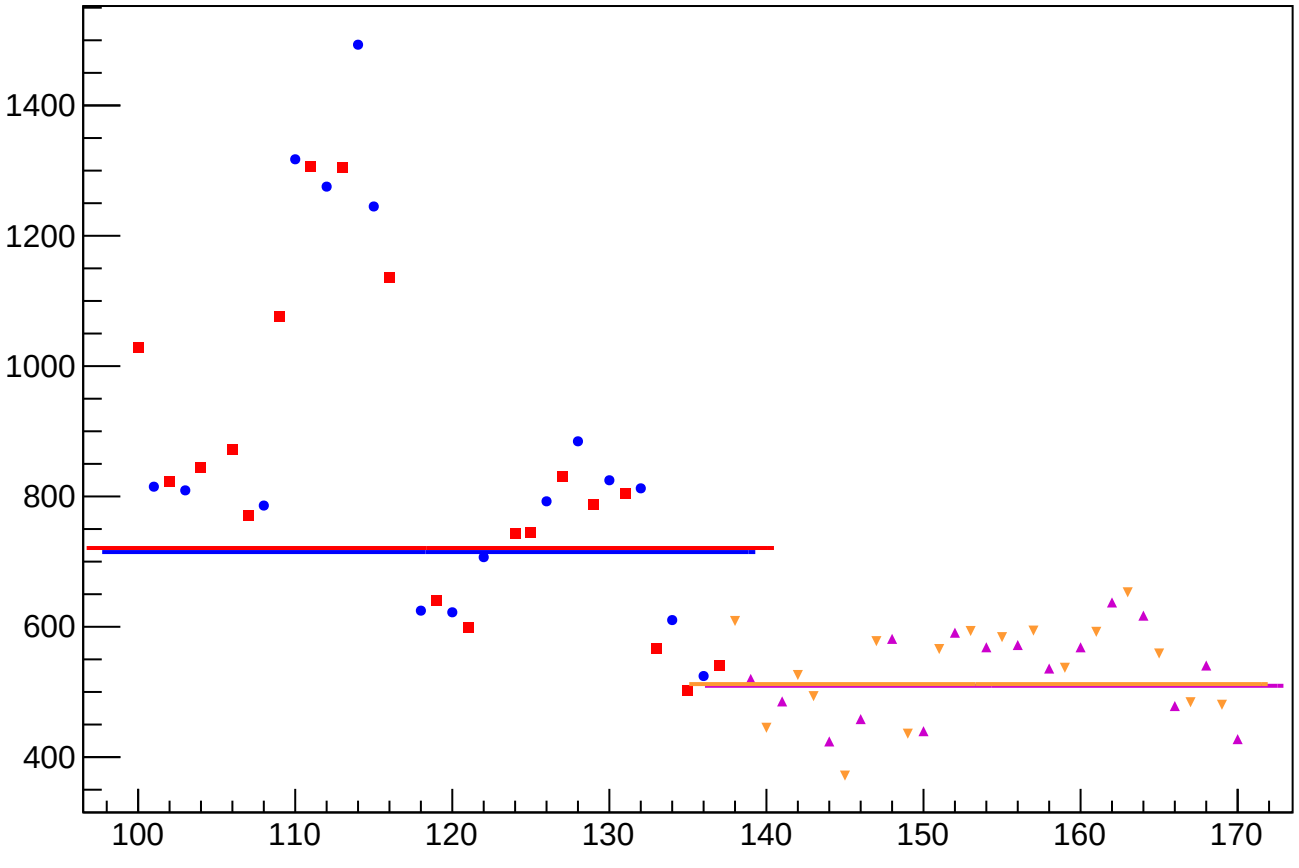
Left: 282.955+/-100.371 χ^2/NDF: 50.7/32

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -69.098+/-126.140 χ^2/NDF:34.4/31

Out: 407.089+/-125.949 χ^2/NDF:41.7/35

All: 169.358+/-89.127 χ^2/NDF: 83.2/67



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 512.078+/-0.100 χ^2/NDF:617532.7/16

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 509.463+/-0.100 χ^2/NDF:431922.8/15

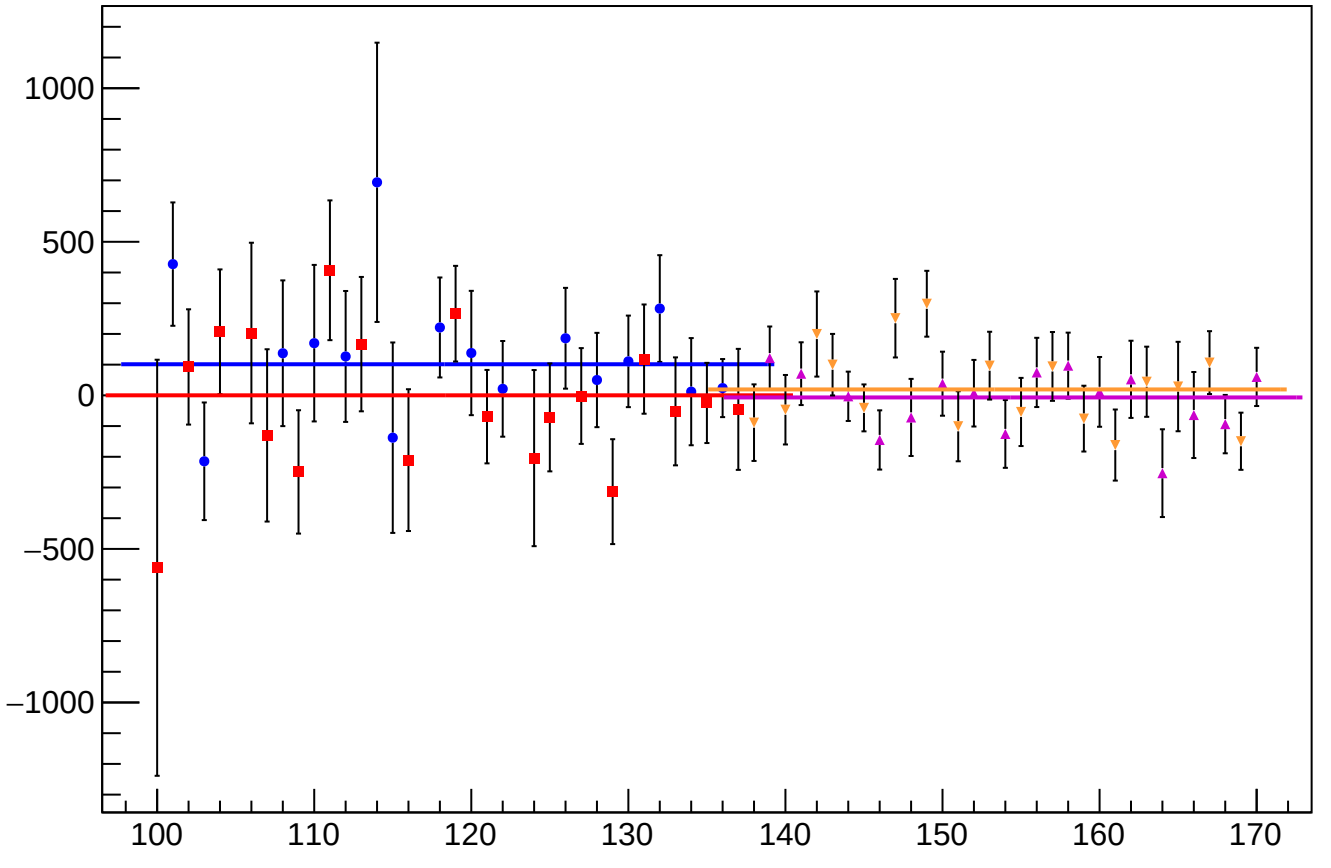
Left: 510.772+/-0.071 χ^2/NDF: 1049795.1/32

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 552.777+/-0.089 χ^2/NDF:2189526.7/31

Out: 556.328+/-0.089 χ^2/NDF:2554027.1/35

All: 554.555+/-0.063 χ^2/NDF: 4744347.9/67



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 19.291+/-26.445 χ^2/NDF:23.9/16

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -6.782+/-26.690 χ^2/NDF:12.0/15

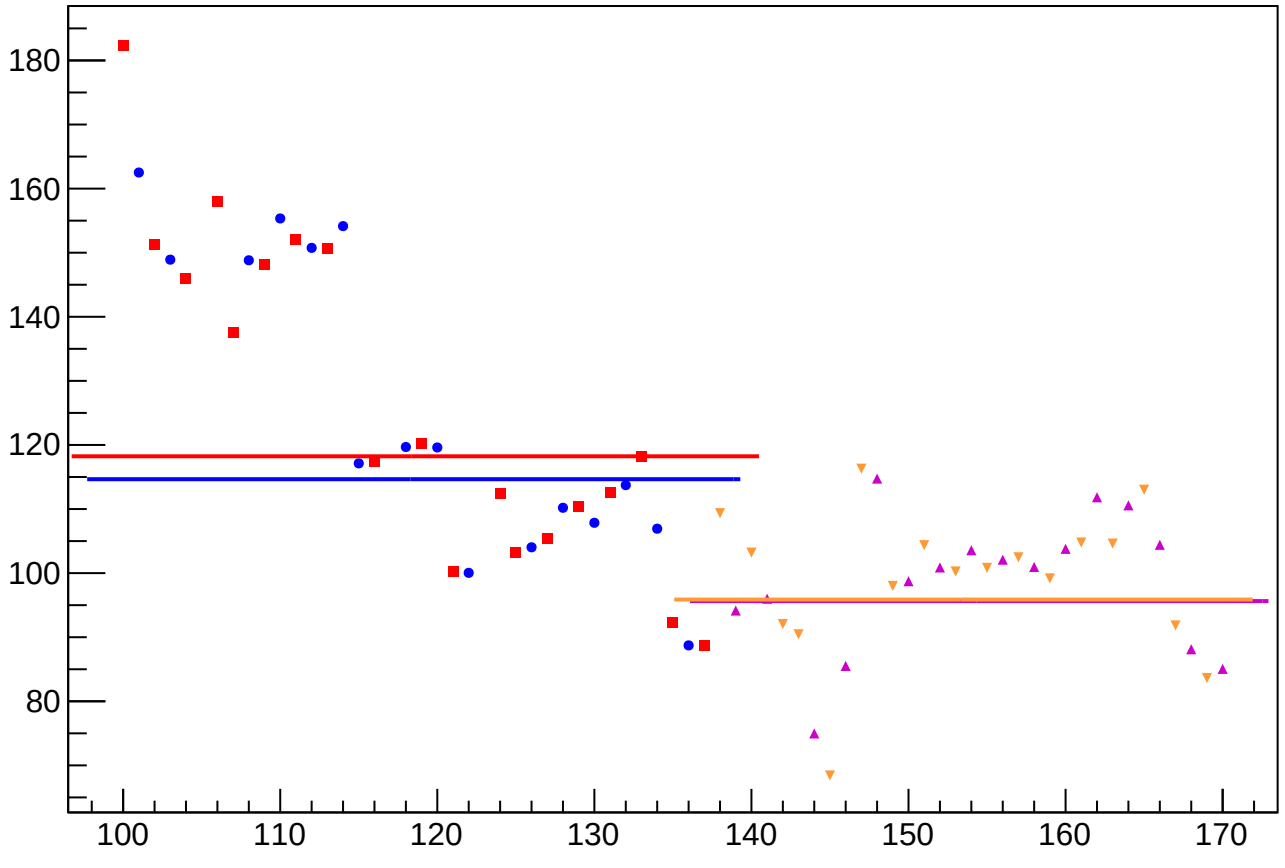
Left: 6.375+/-18.786 χ^2/NDF: 36.4/32

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 22.763+/-22.751 χ^2/NDF:27.5/31

Out: 14.211+/-22.671 χ^2/NDF:40.6/35

All: 18.472+/-16.059 χ^2/NDF: 68.2/67



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.875+/-0.019 χ^2/NDF:465103.0/16

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.638+/-0.019 χ^2/NDF:340011.0/15

Left: 95.758+/-0.013 χ^2/NDF: 805193.4/32

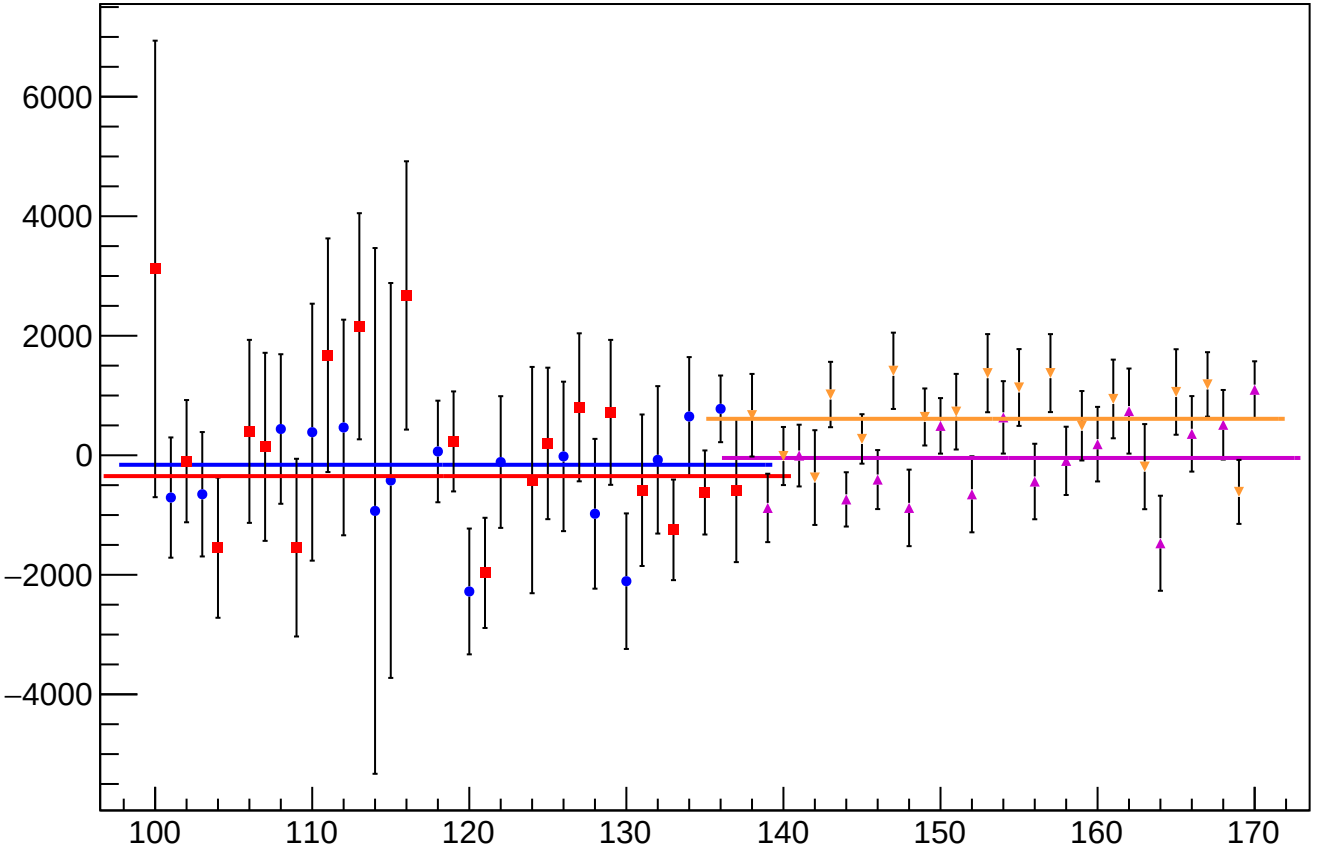
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 100.838+/-0.016 χ^2/NDF:1149560.6/31

Out: 101.801+/-0.016 χ^2/NDF:1327340.8/35

All: 101.321+/-0.011 χ^2/NDF: 2478699.2/67

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: 610.277+/-141.876 χ^2/NDF:17.7/16

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -45.015+/-142.015 χ^2/NDF:22.3/15

Left: 282.954+/-100.371 χ^2/NDF: 50.7/32

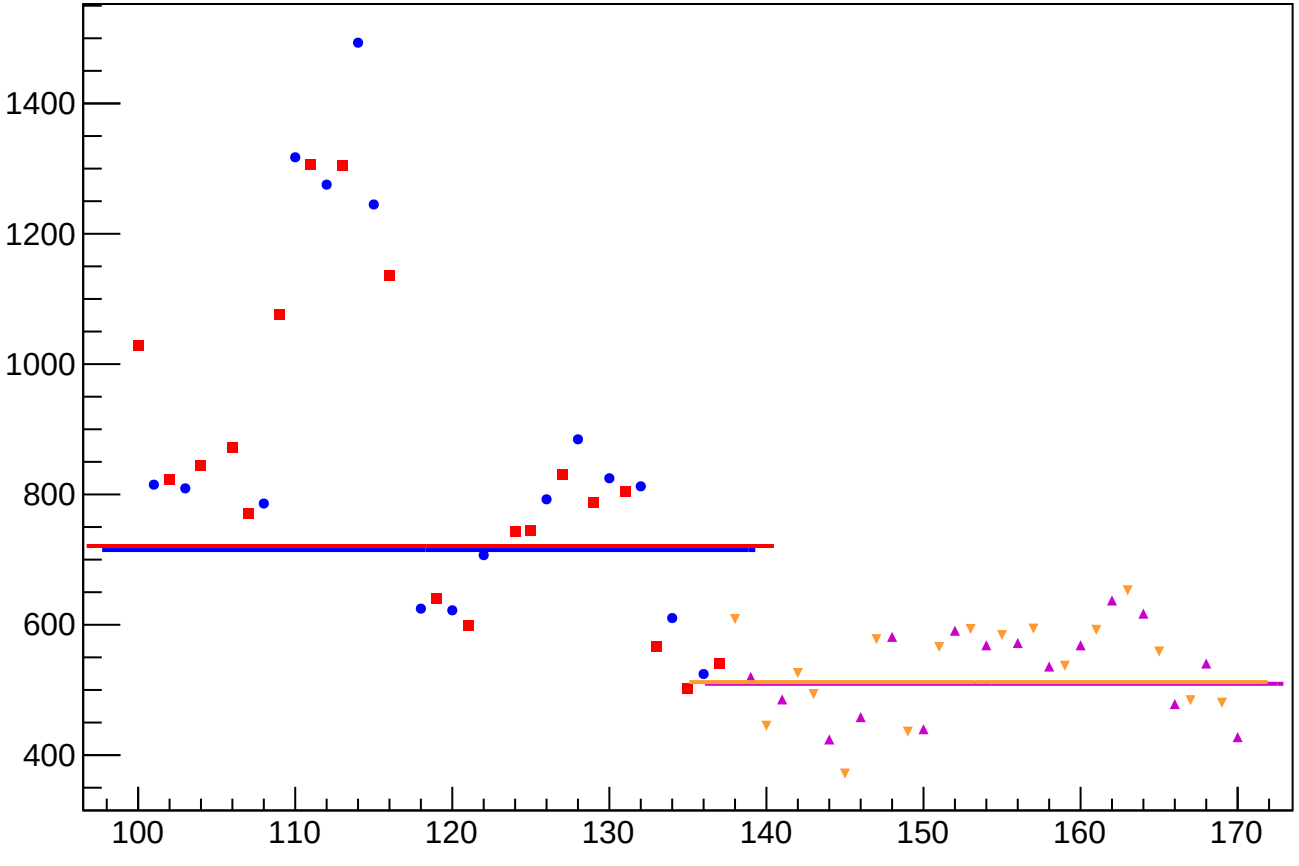
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -69.098+/-126.140 χ^2/NDF:34.4/31

Out: 407.088+/-125.949 χ^2/NDF:41.7/35

All: 169.357+/-89.127 χ^2/NDF: 83.2/67

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 512.078+/-0.100 χ^2/NDF:617535.4/16

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 509.463+/-0.100 χ^2/NDF:431922.5/15

Left: 510.772+/-0.071 χ^2/NDF: 1049797.4/32

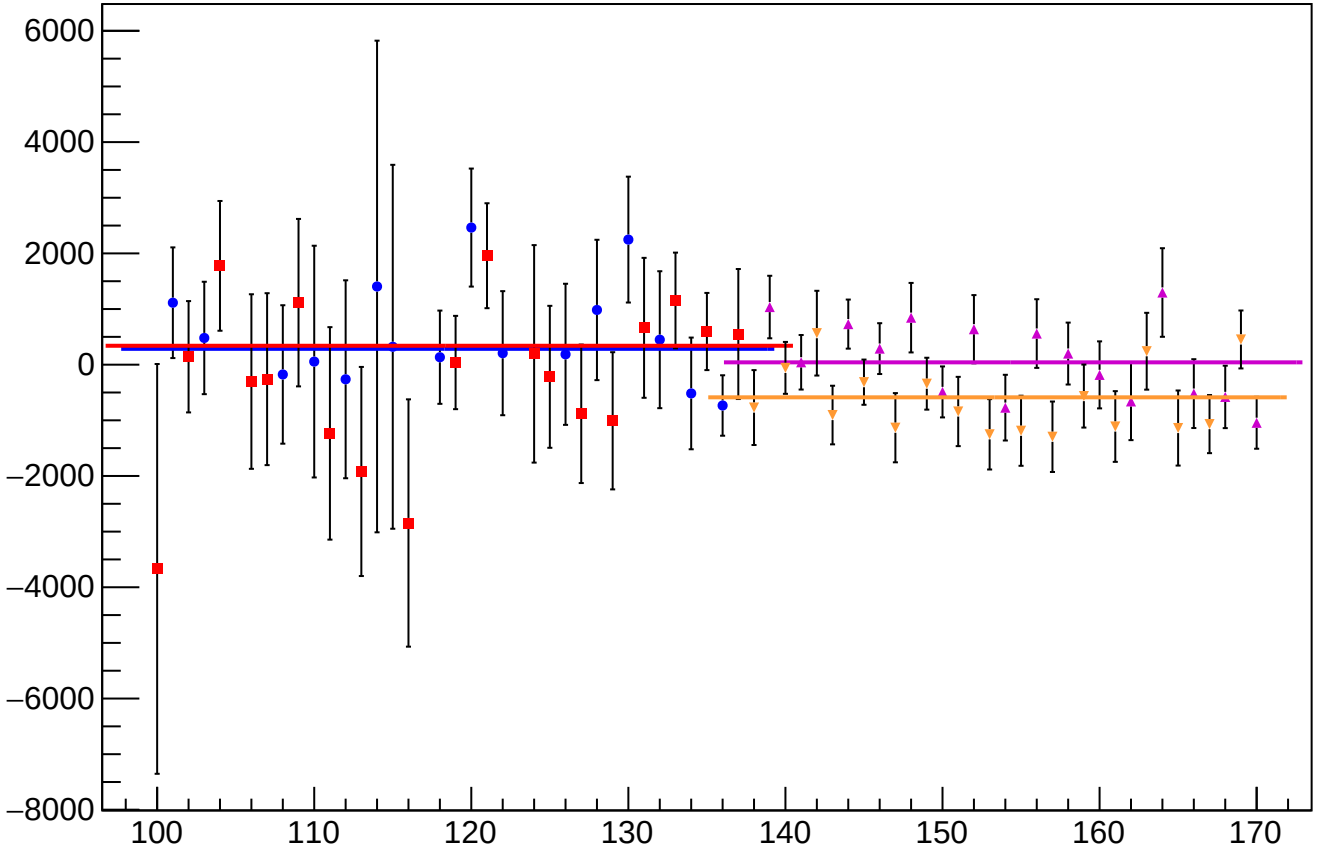
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 552.777+/-0.089 χ^2/NDF:2189521.3/31

Out: 556.328+/-0.089 χ^2/NDF:2554022.8/35

All: 554.555+/-0.063 χ^2/NDF: 4744338.2/67

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -586.699+/-137.715 χ^2/NDF:16.6/16

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 41.903+/-137.667 χ^2/NDF:23.6/15

Left: -272.290+/-97.362 χ^2/NDF: 50.6/32

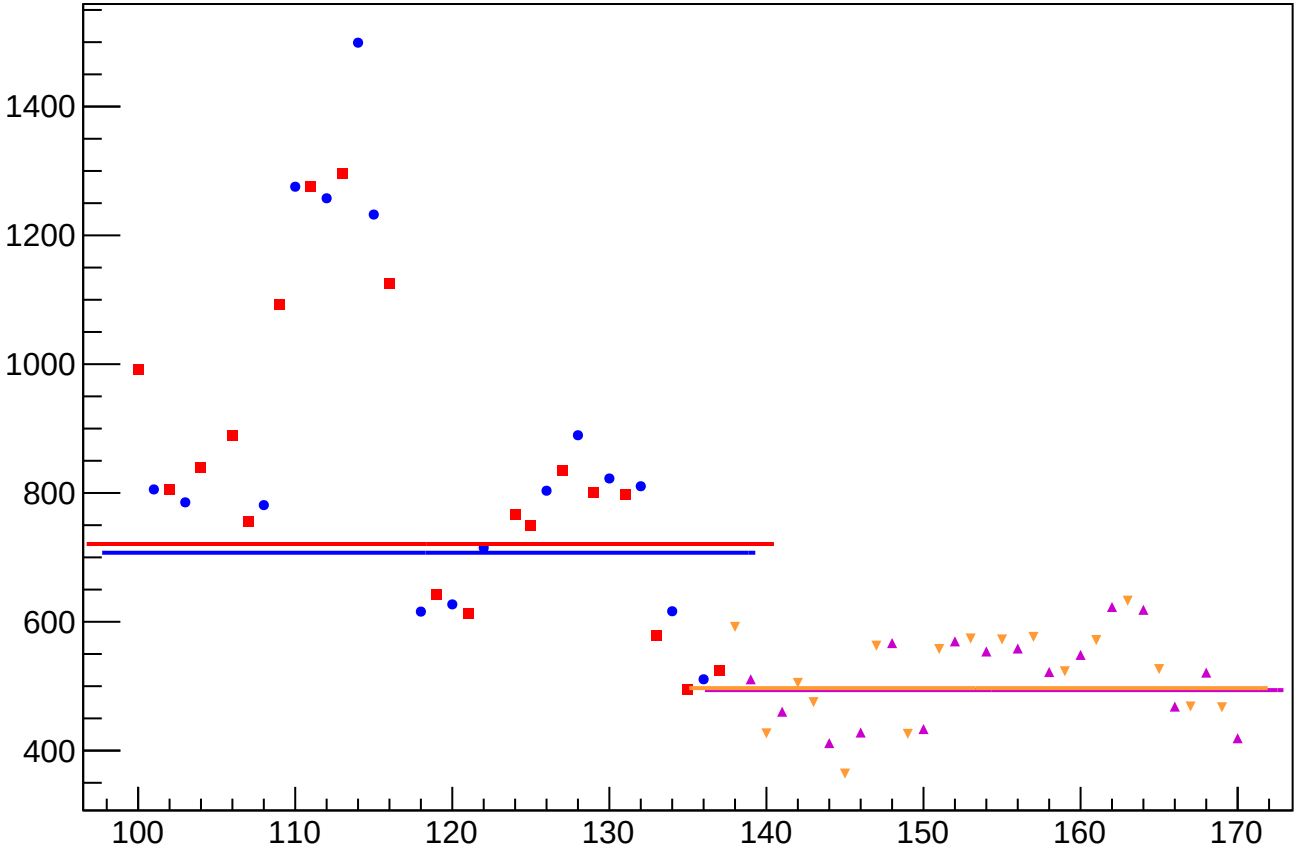
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 91.449+/-122.826 χ^2/NDF:37.0/31

Out: -399.374+/-123.011 χ^2/NDF:39.8/35

All: -153.593+/-86.916 χ^2/NDF: 84.8/67

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 497.010+/-0.097 χ^2/NDF:605790.4/16

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 493.902+/-0.097 χ^2/NDF:456277.1/15

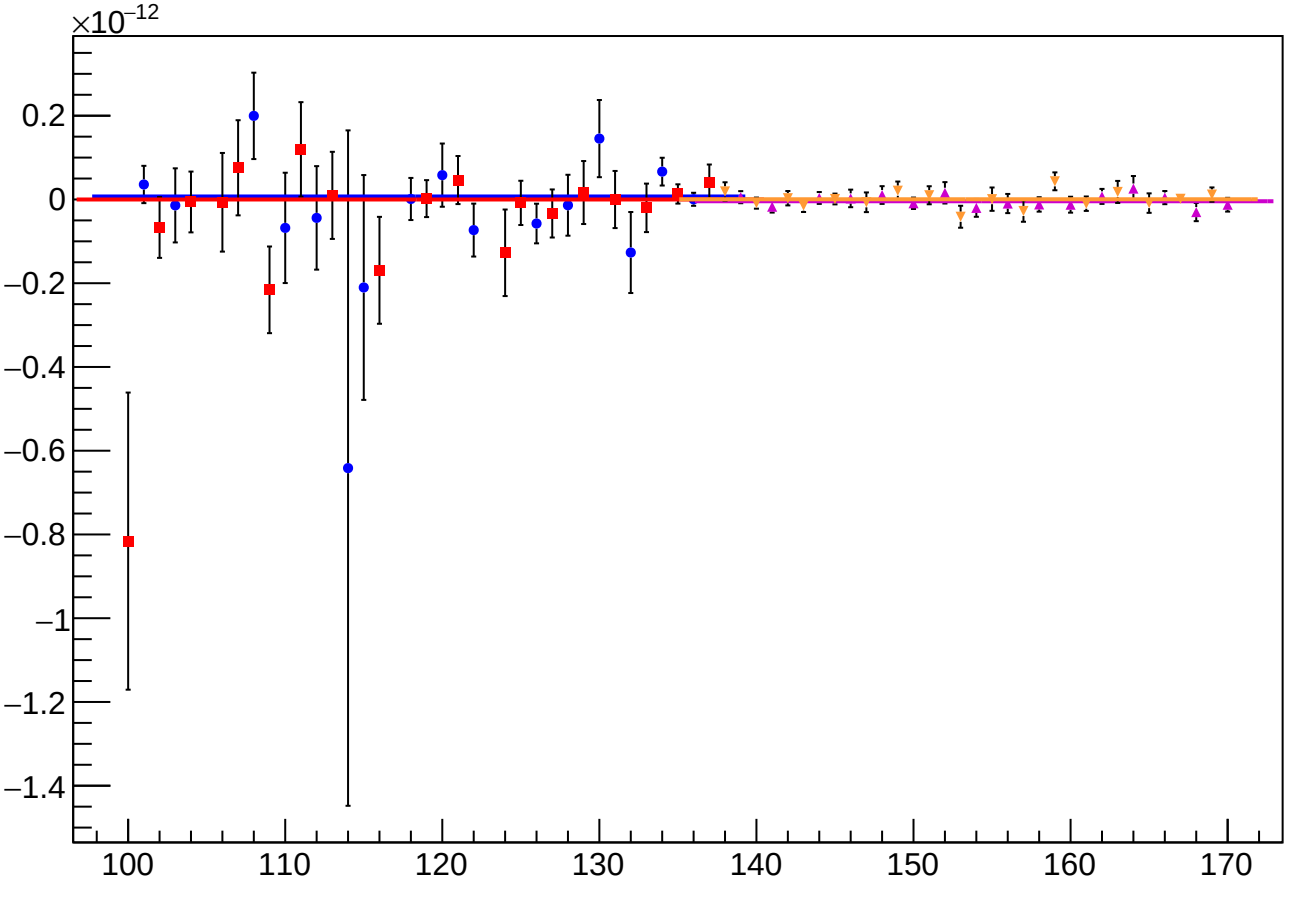
Left: 495.456+/-0.069 χ^2/NDF: 1062577.1/32

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 537.416+/-0.087 χ^2/NDF:2332452.2/31

Out: 542.242+/-0.087 χ^2/NDF:2688437.4/35

All: 539.825+/-0.061 χ^2/NDF: 5022431.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/15

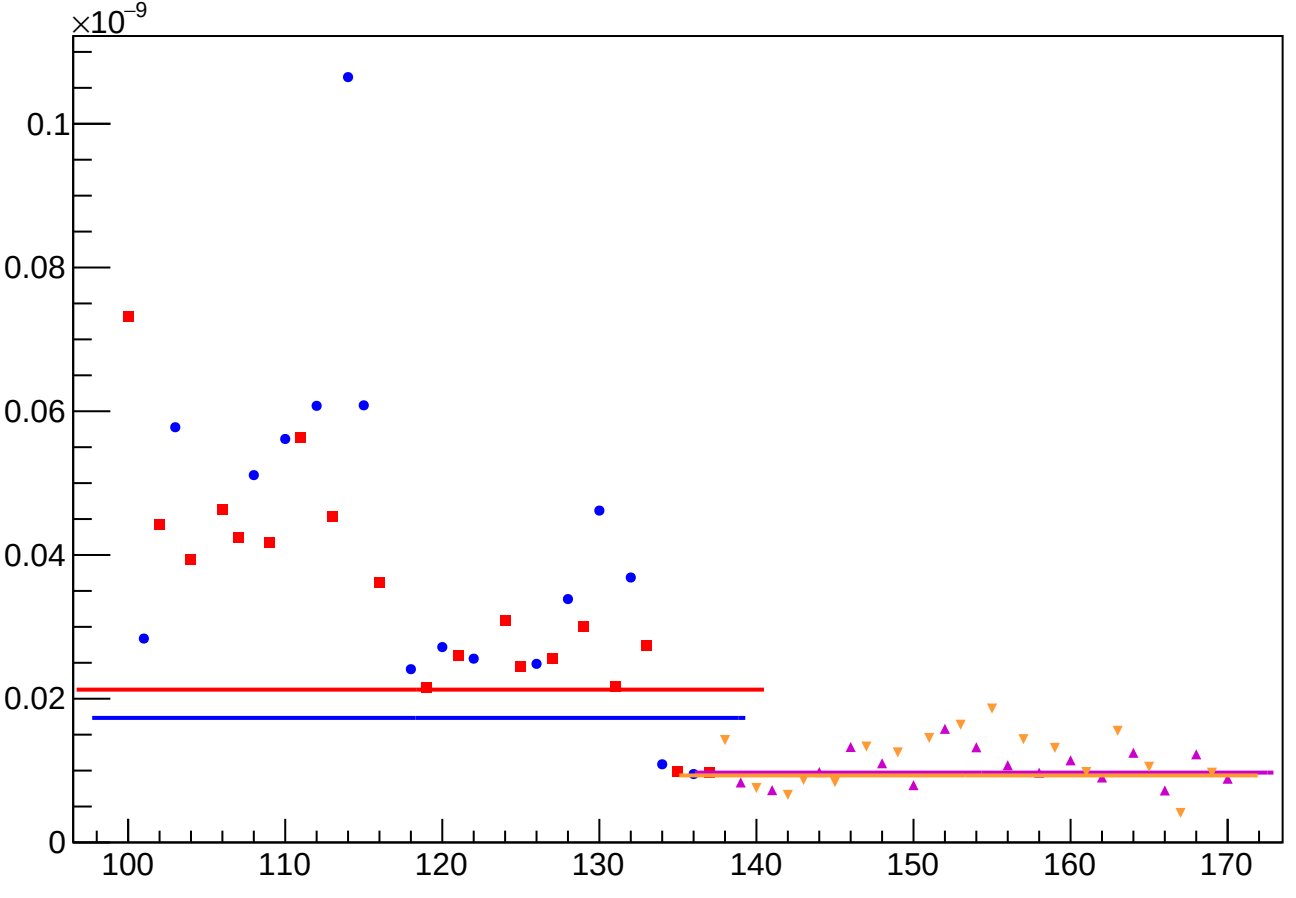
Left: -0.000+/-0.000 χ^2/NDF: 20.5/32

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: 0.000+/-0.000 χ^2/NDF:30.3/35

All: -0.000+/-0.000 χ^2/NDF: 56.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1676978.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:467617.3/15

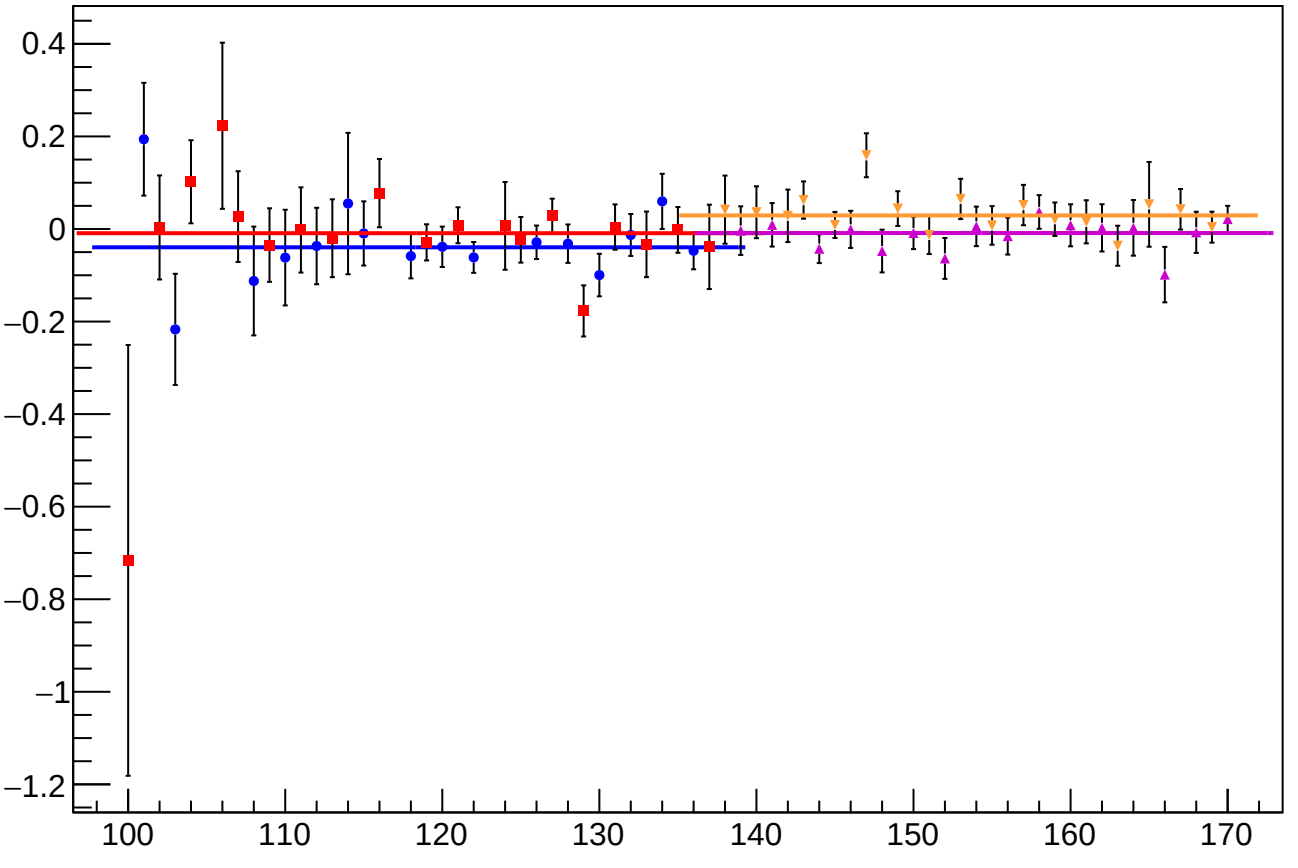
Left: 0.000+/-0.000 χ^2/NDF: 2152918.0/32

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3600908.4/31

Out: 0.000+/-0.000 χ^2/NDF:4792020.7/35

All: 0.000+/-0.000 χ^2/NDF: 8398340.1/67



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.010 χ^2/NDF:14.3/16

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:8.9/15

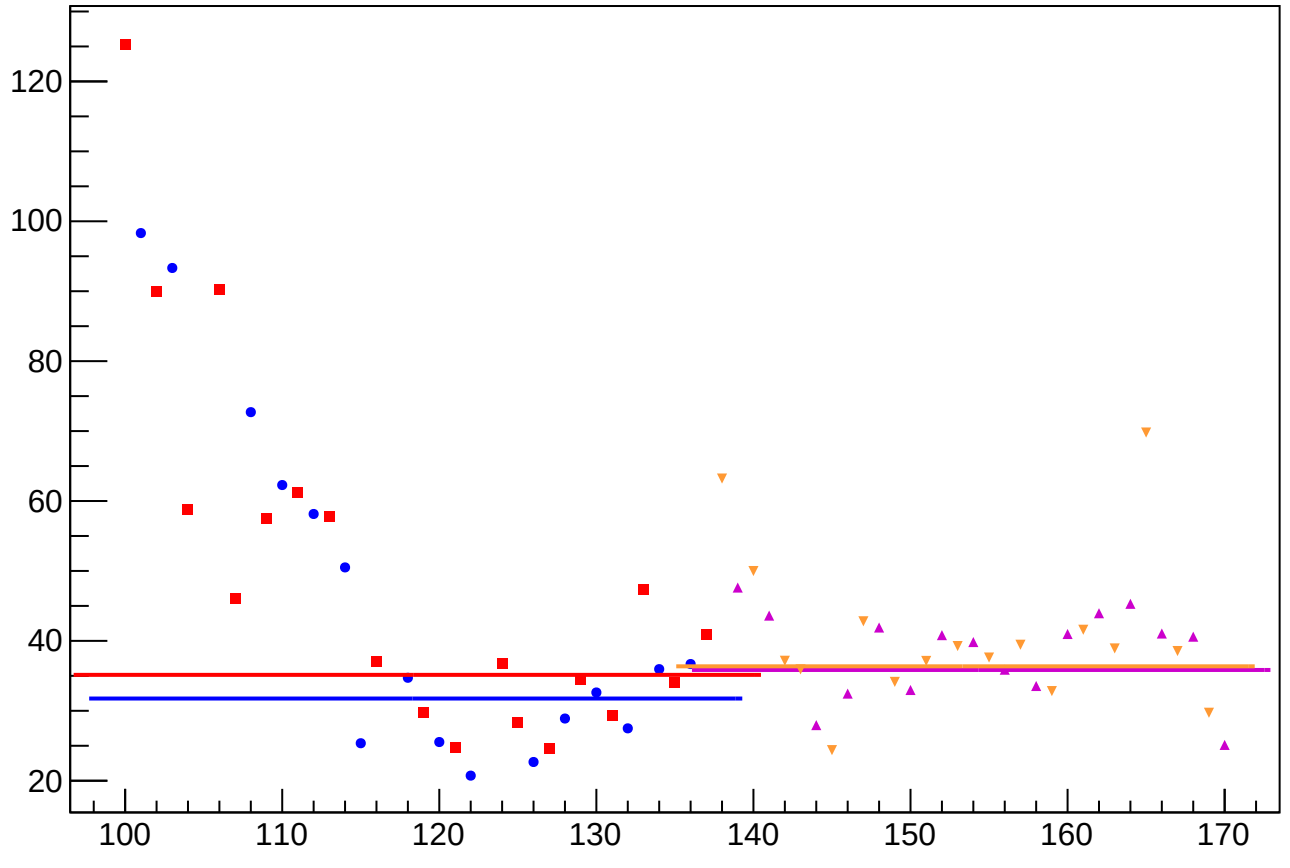
Left: 0.010+/-0.007 χ^2/NDF: 30.0/32

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/35

All: -0.003+/-0.006 χ^2/NDF: 71.9/67



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.361+/-0.007 χ^2/NDF:1214321.4/16

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

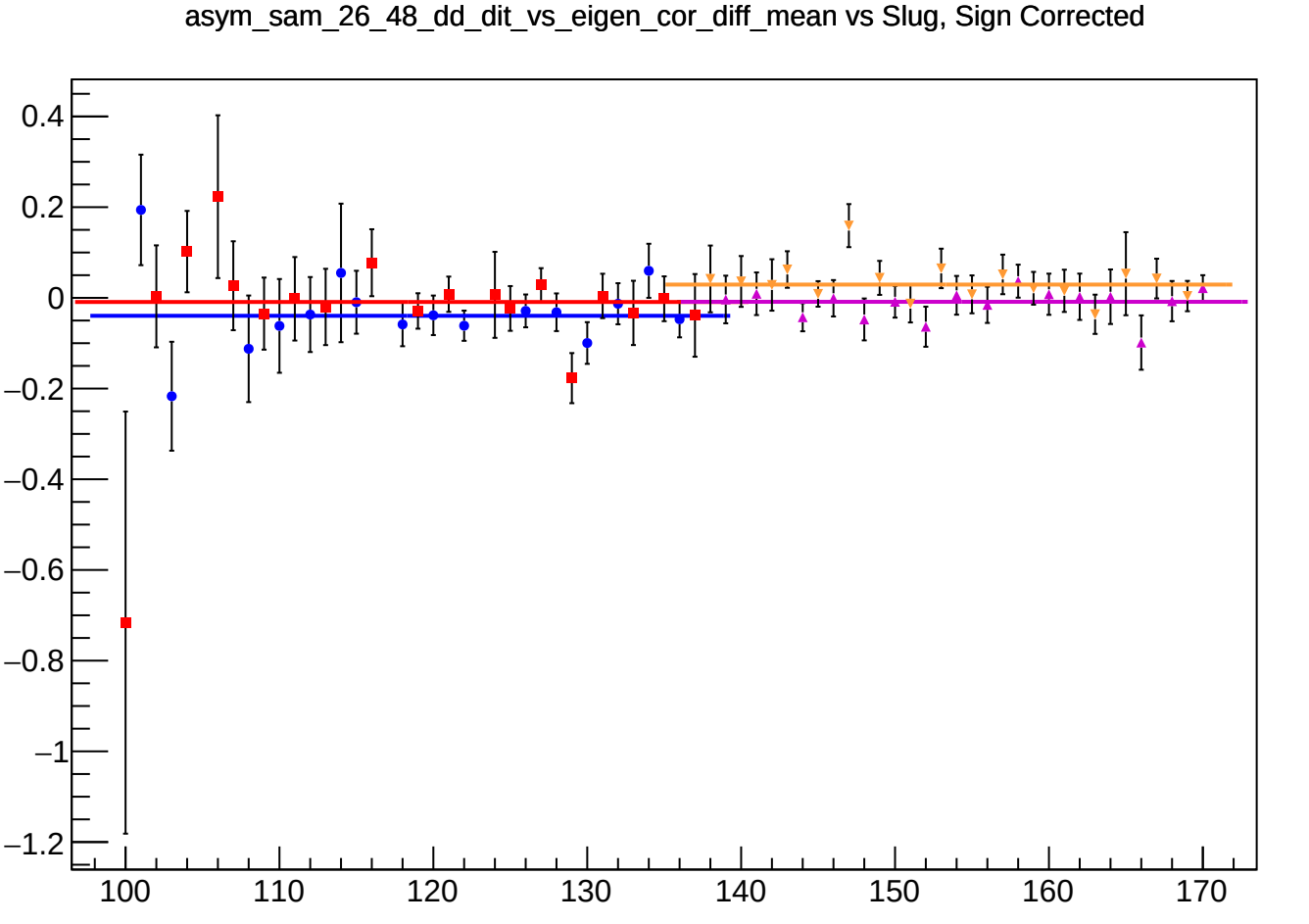
Left: 36.100+/-0.005 χ^2/NDF: 2059623.2/32

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.281+/-0.006 χ^2/NDF:3214248.0/31

Out: 35.936+/-0.006 χ^2/NDF:3068698.3/35

All: 35.087+/-0.004 χ^2/NDF: 6323277.0/67



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.010 χ^2/NDF:14.3/16

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:8.9/15

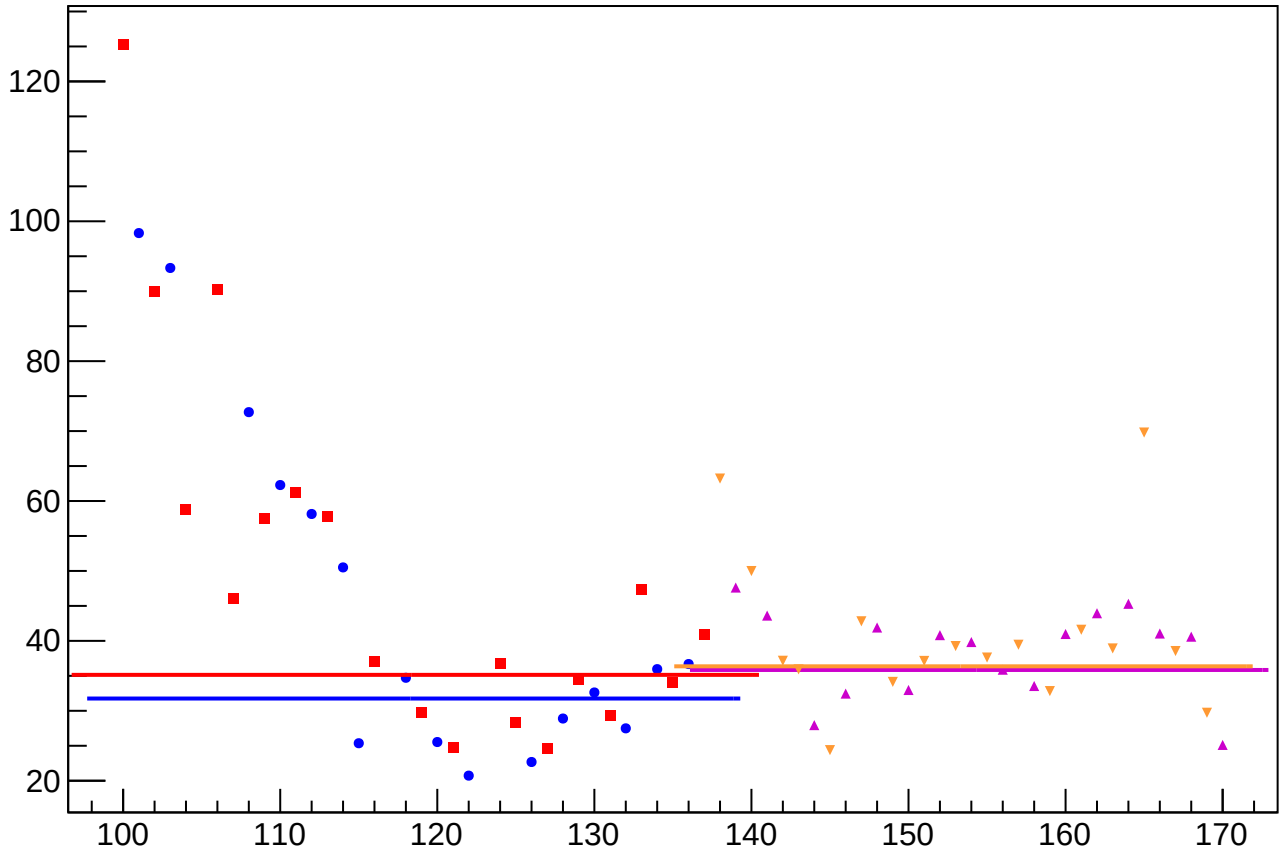
Left: 0.010+/-0.007 χ^2/NDF: 30.0/32

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/35

All: -0.003+/-0.006 χ^2/NDF: 71.9/67



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.361+/-0.007 χ^2/NDF:1214321.4/16

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

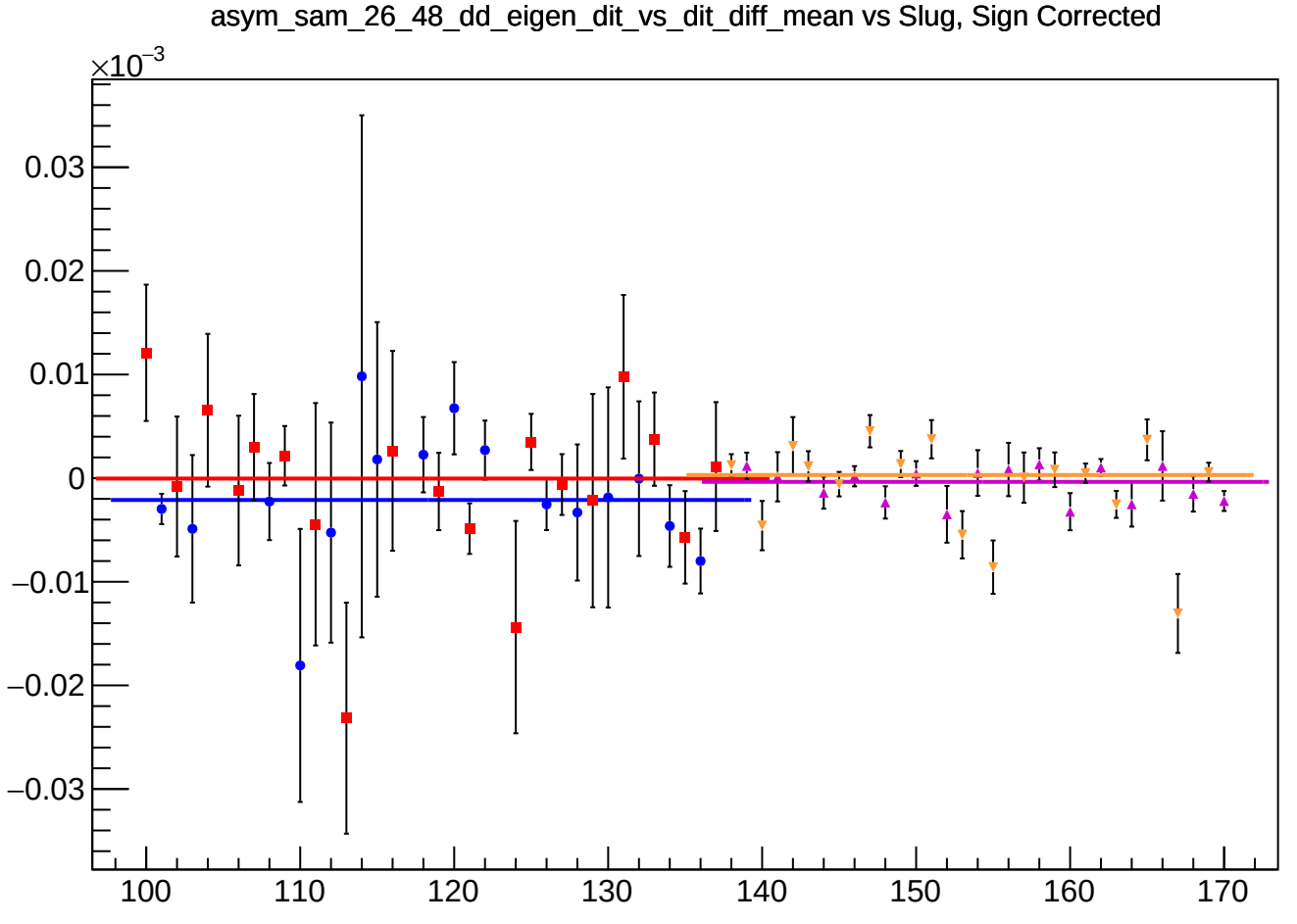
Left: 36.100+/-0.005 χ^2/NDF: 2059623.2/32

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.281+/-0.006 χ^2/NDF:3214248.0/31

Out: 35.936+/-0.006 χ^2/NDF:3068698.3/35

All: 35.087+/-0.004 χ^2/NDF: 6323277.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:57.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/15

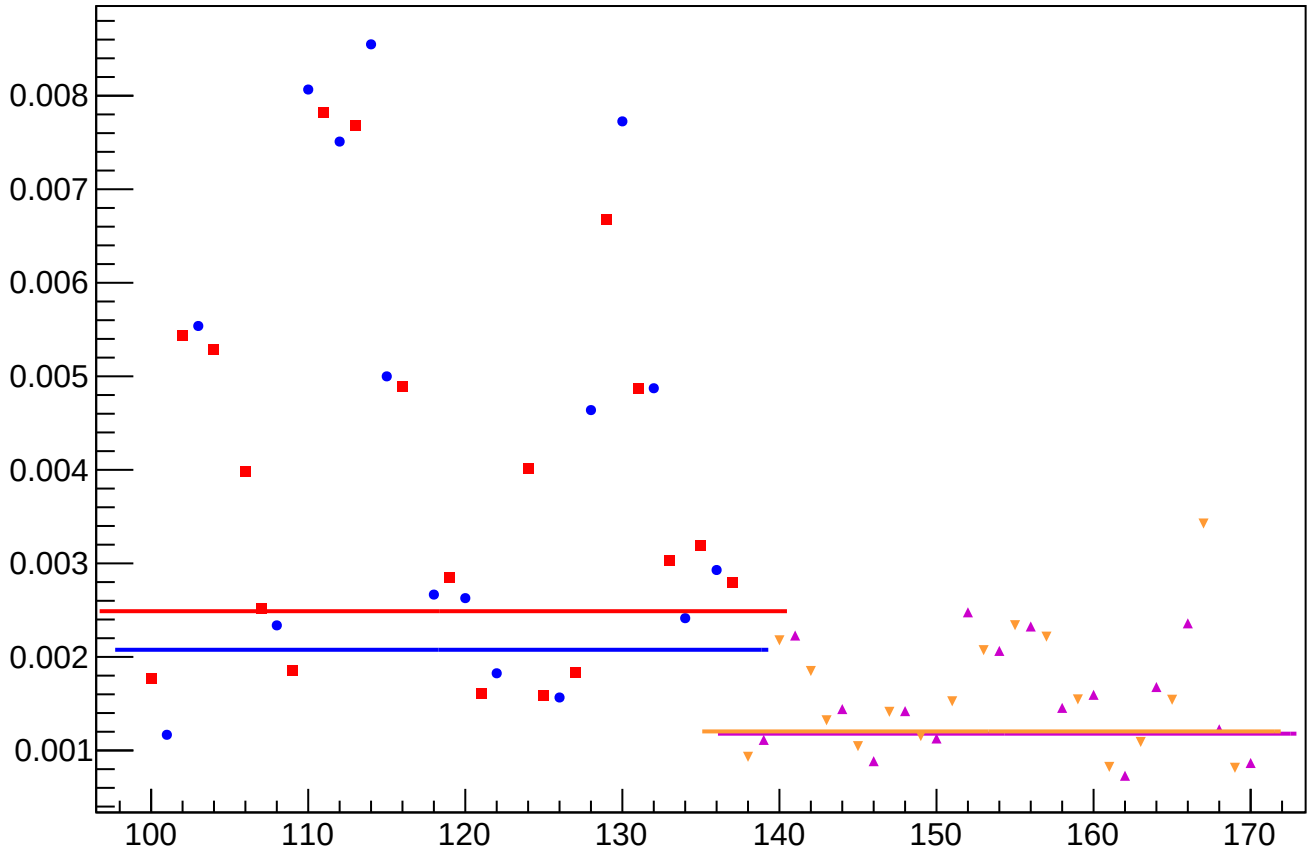
Left: -0.000+/-0.000 χ^2/NDF: 76.7/32

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:35.9/31

Out: 0.000+/-0.000 χ^2/NDF:78.5/35

All: -0.000+/-0.000 χ^2/NDF: 117.7/67



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3286598.1/16

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3201411.0/15

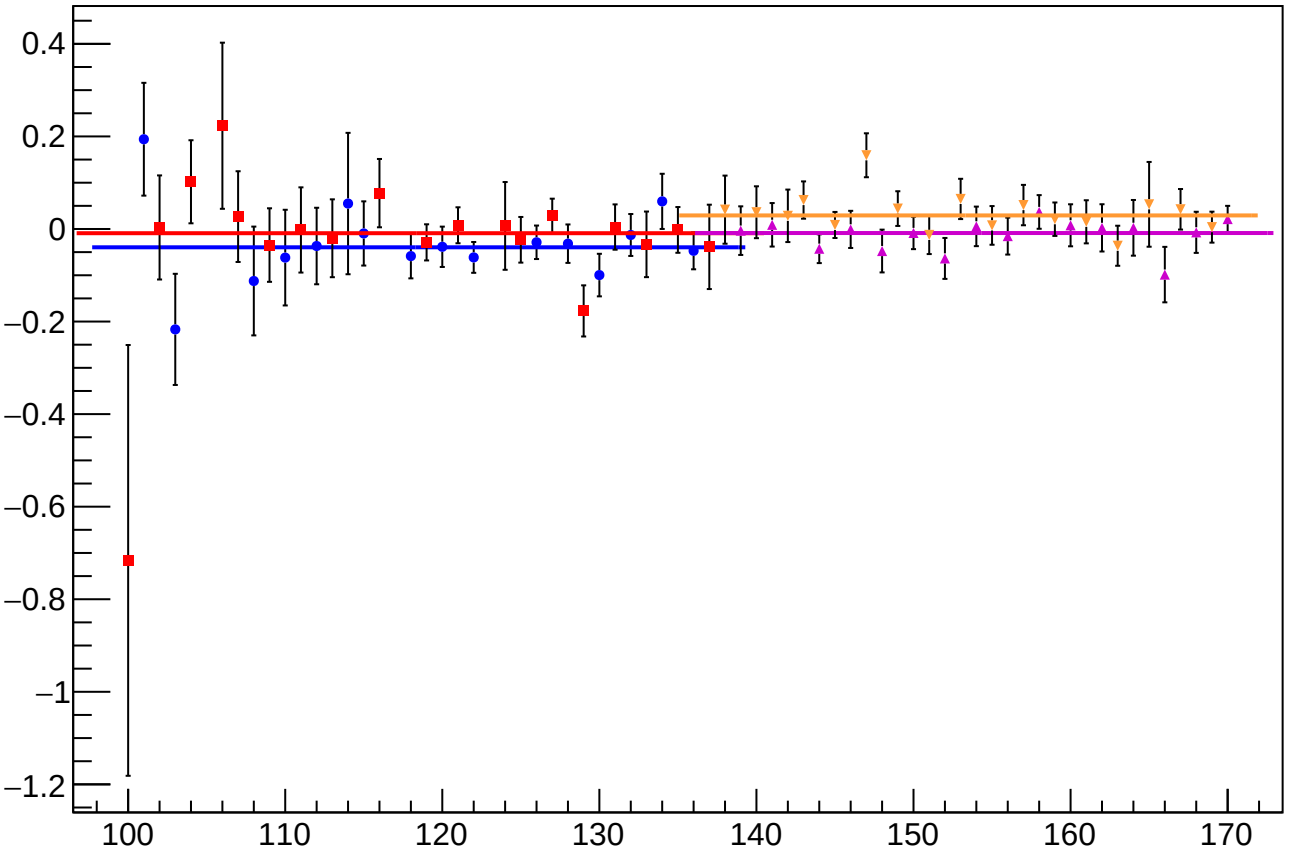
Left: 0.001+/-0.000 χ^2/NDF: 6492558.7/32

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8802996.7/31

Out: 0.001+/-0.000 χ^2/NDF:9102713.5/35

All: 0.001+/-0.000 χ^2/NDF: 17918851.5/67



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.010 χ^2/NDF:14.3/16

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/32

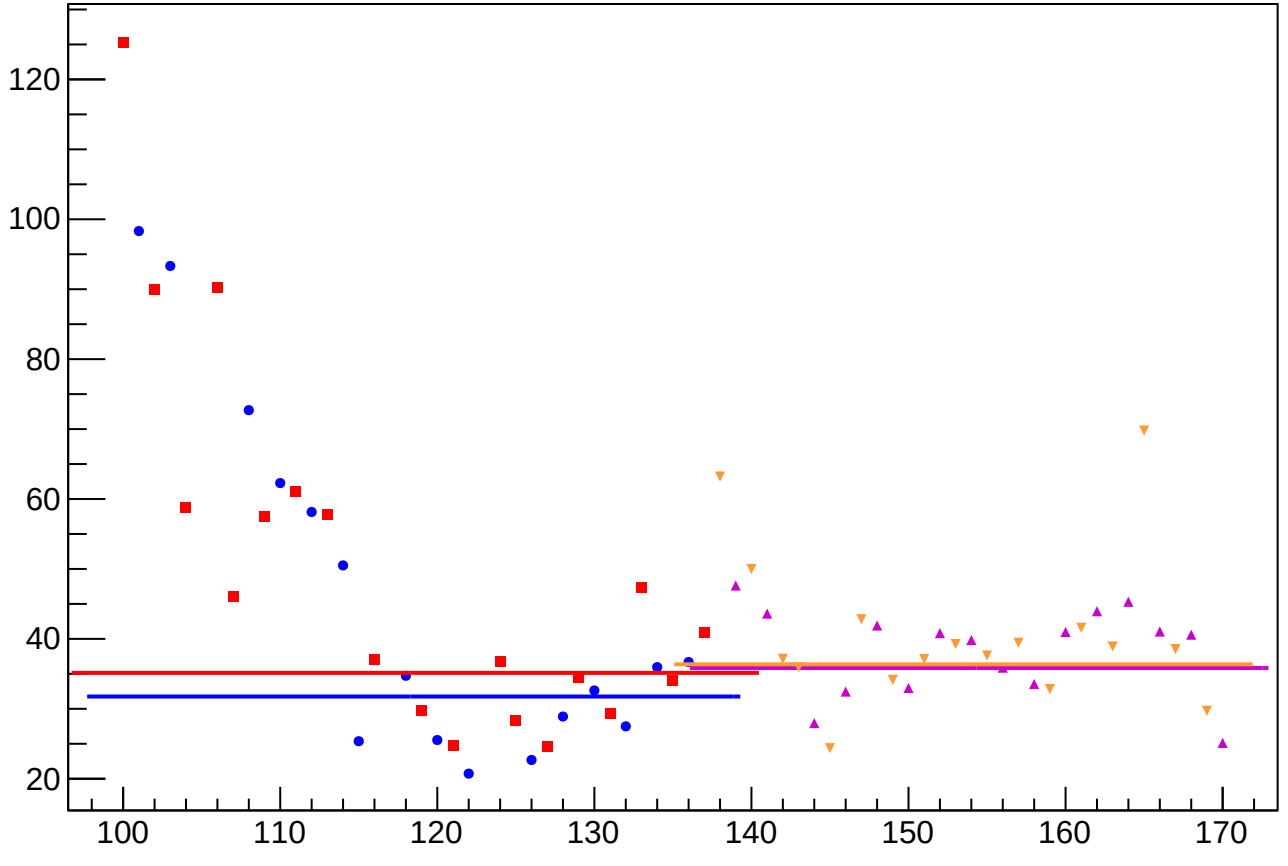
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/35

All: -0.003+/-0.006 χ^2/NDF: 71.9/67

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.361+/-0.007 χ^2/NDF:1214360.6/16

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

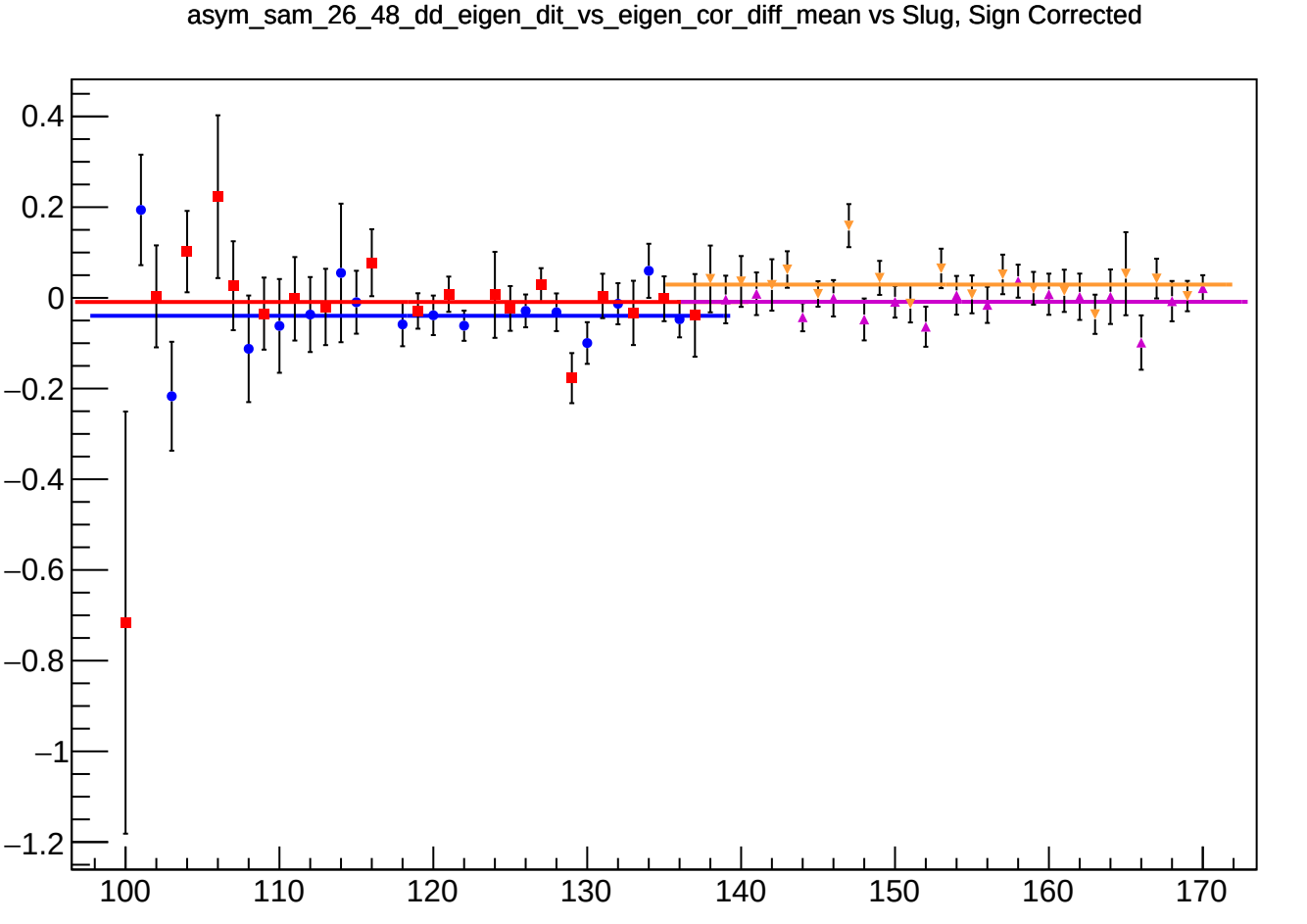
Left: 36.100+/-0.005 χ^2/NDF: 2059680.0/32

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.281+/-0.006 χ^2/NDF:3214214.3/31

Out: 35.937+/-0.006 χ^2/NDF:3068625.0/35

All: 35.087+/-0.004 χ^2/NDF: 6323170.0/67



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.010 χ^2/NDF:14.3/16

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/32

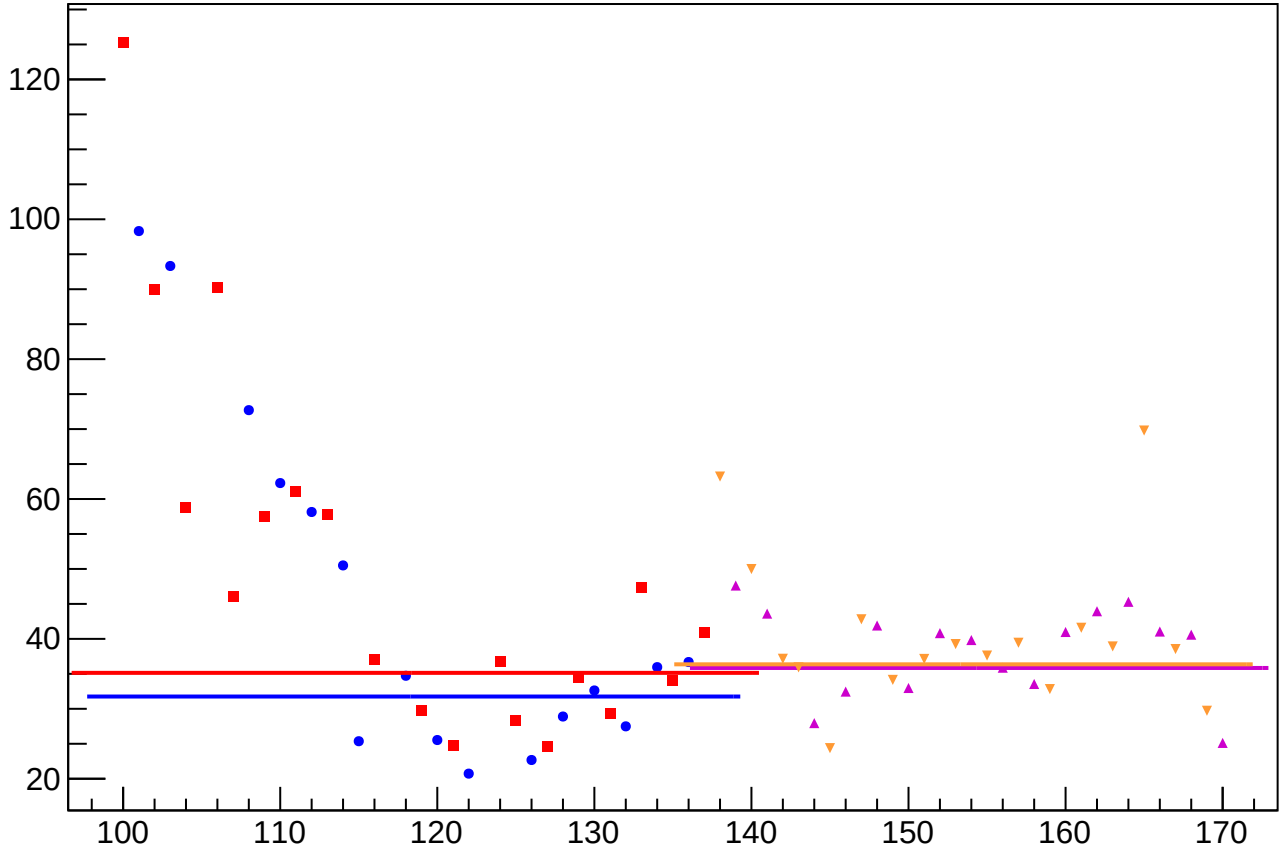
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/35

All: -0.003+/-0.006 χ^2/NDF: 71.9/67

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.361+/-0.007 χ^2/NDF:1214360.6/16

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

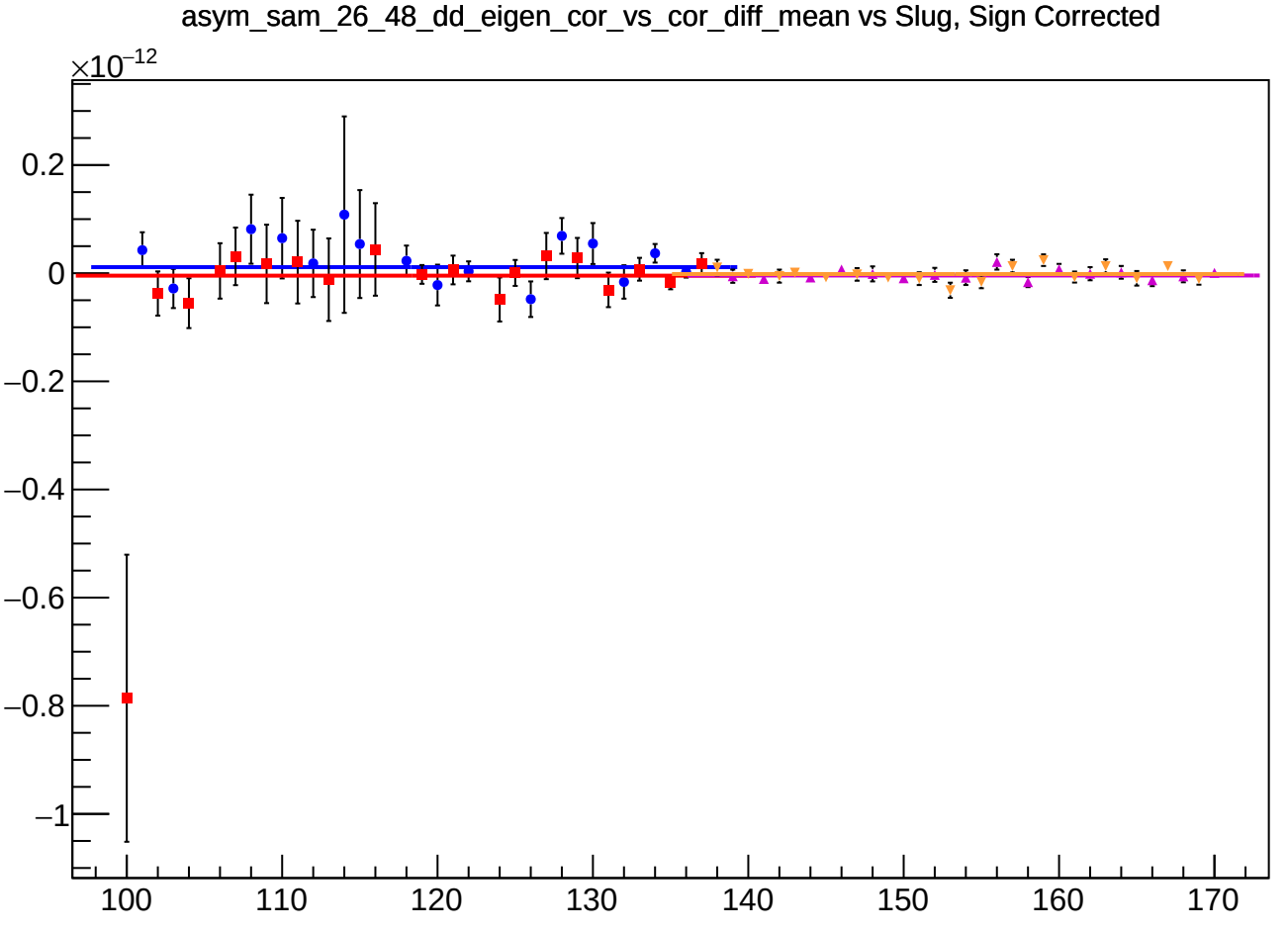
Left: 36.100+/-0.005 χ^2/NDF: 2059680.0/32

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.281+/-0.006 χ^2/NDF:3214214.3/31

Out: 35.937+/-0.006 χ^2/NDF:3068625.0/35

All: 35.087+/-0.004 χ^2/NDF: 6323170.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/15

Left: -0.000+/-0.000 χ^2/NDF: 32.7/32

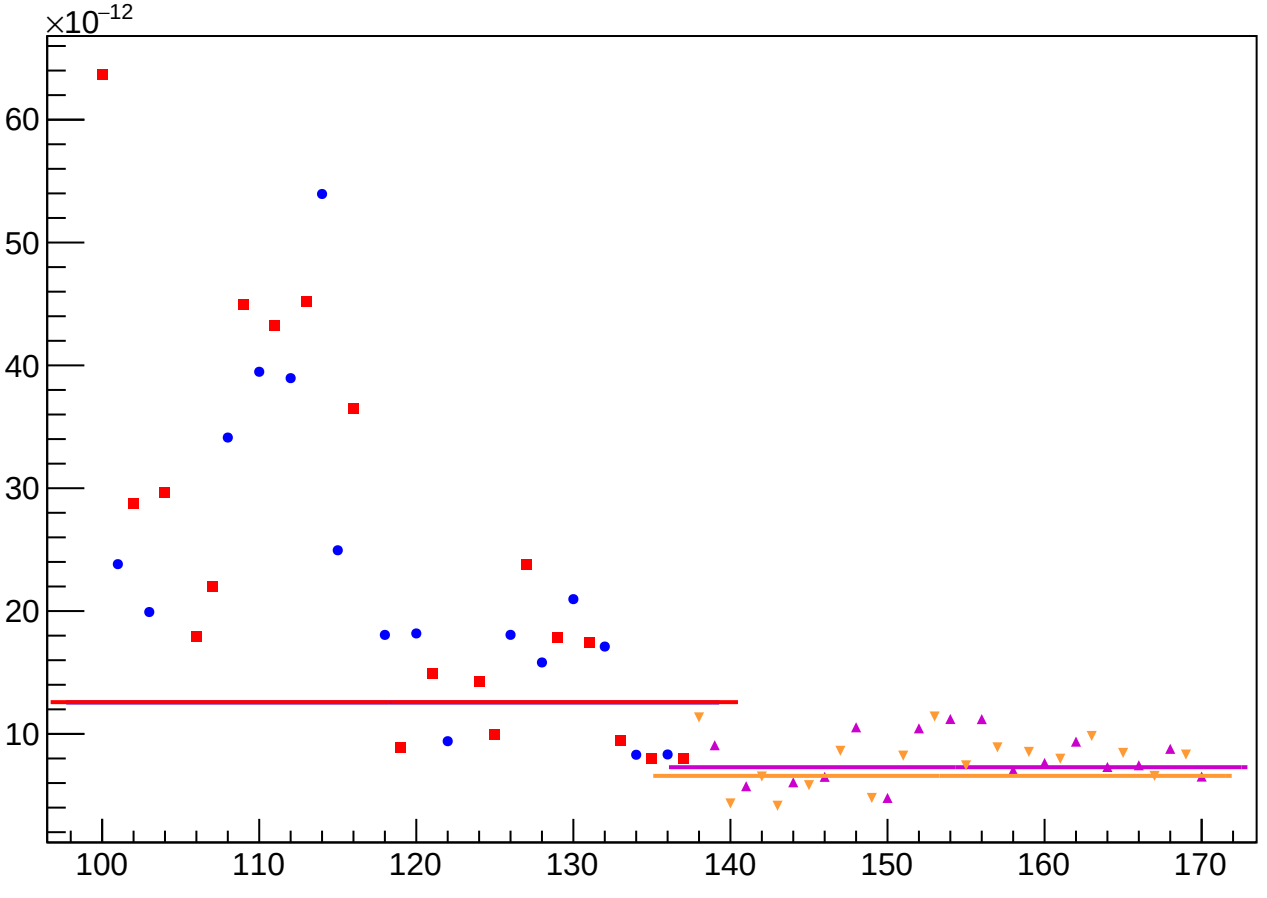
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/31

Out: -0.000+/-0.000 χ^2/NDF:39.2/35

All: -0.000+/-0.000 χ^2/NDF: 71.6/67

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:1698227.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1092556.5/15

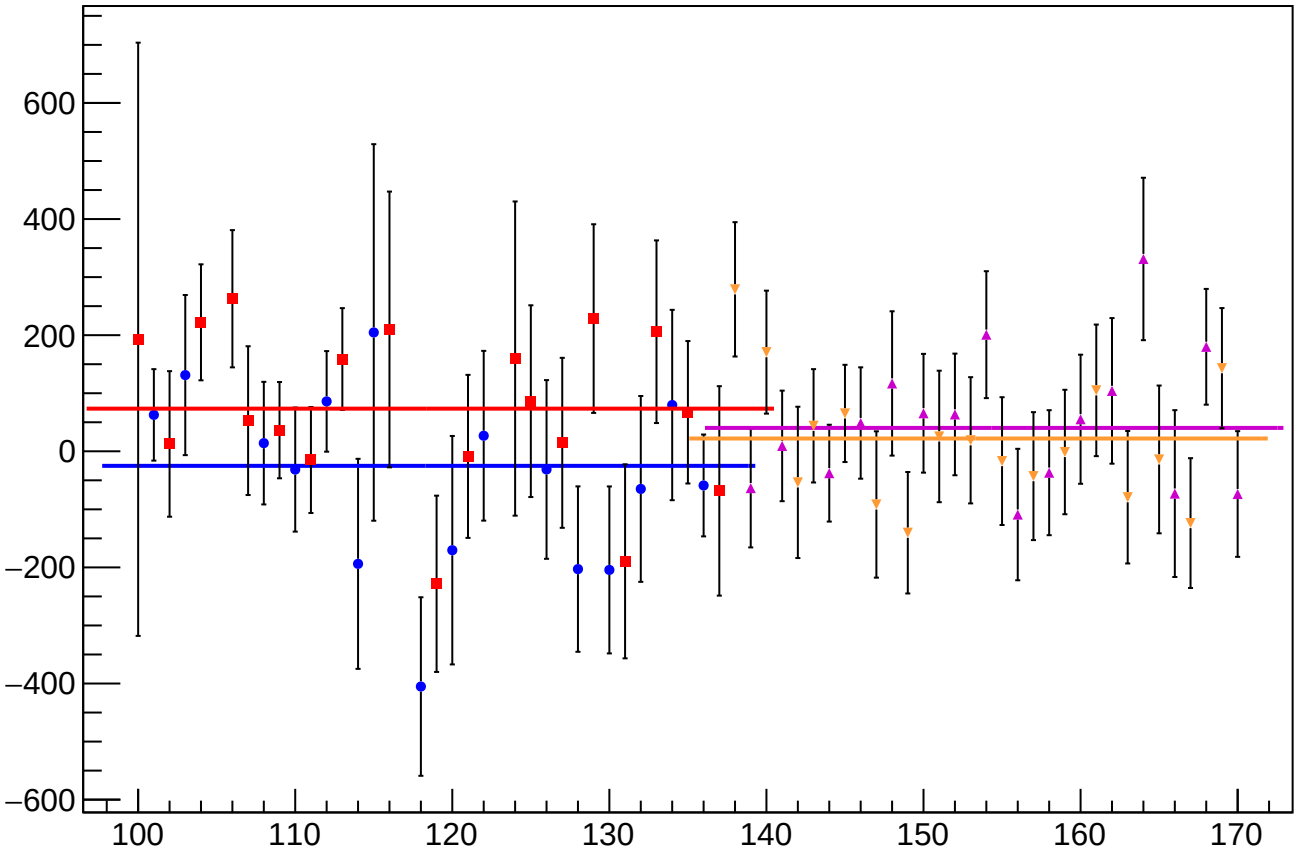
Left: 0.000+/-0.000 χ^2/NDF: 2876727.9/32

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4421471.5/31

Out: 0.000+/-0.000 χ^2/NDF:5900041.2/35

All: 0.000+/-0.000 χ^2/NDF: 10429831.5/67



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.031+/-26.454 χ^2/NDF:15.8/16

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 40.269+/-26.842 χ^2/NDF:15.2/15

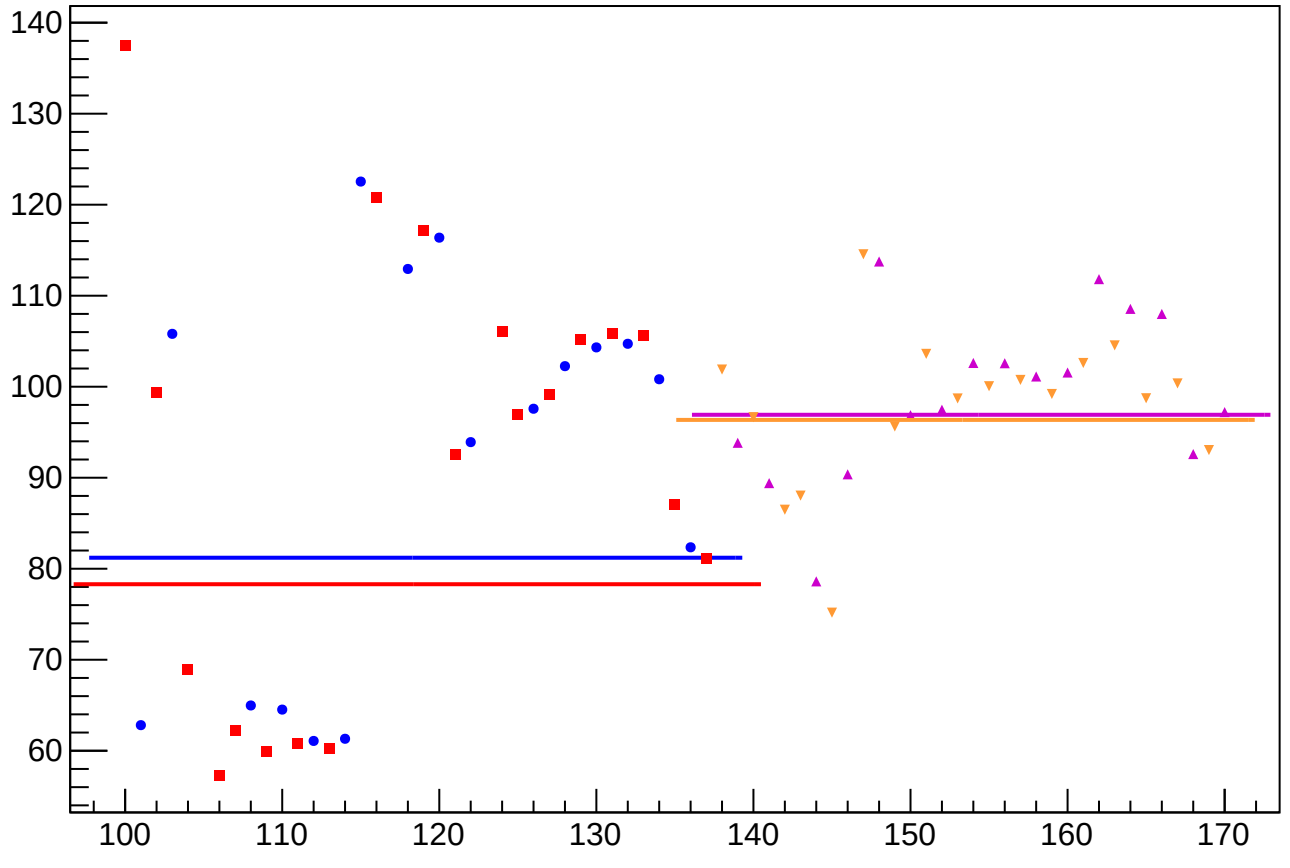
Left: 31.017+/-18.842 χ^2/NDF: 31.2/32

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 12.507+/-20.356 χ^2/NDF:33.9/31

Out: 44.583+/-19.823 χ^2/NDF:34.2/35

All: 28.971+/-14.202 χ^2/NDF: 69.4/67



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.353+/-0.019 χ^2/NDF:238049.3/16

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.630+/-0.013 χ^2/NDF: 469872.3/32

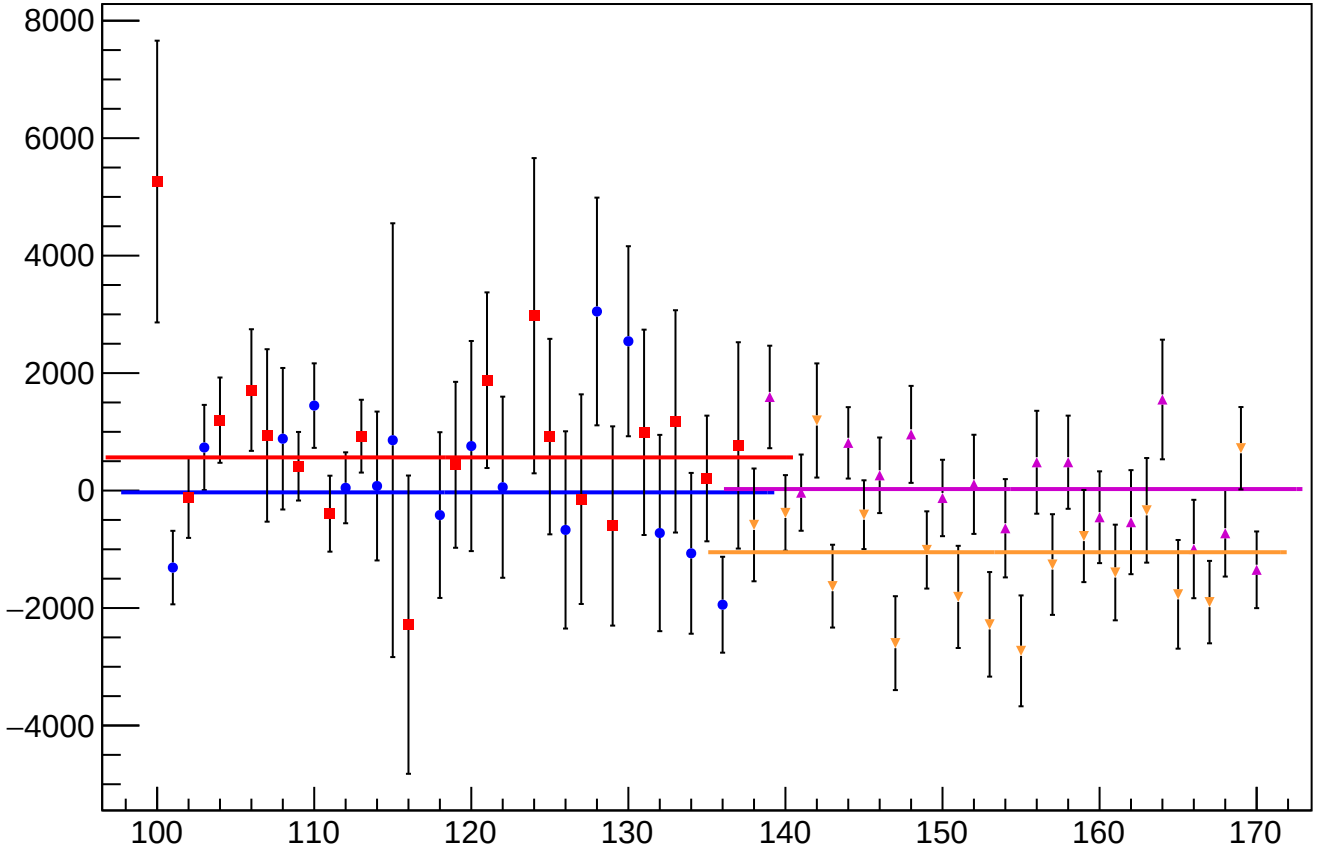
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.243+/-0.014 χ^2/NDF:1309990.0/31

Out: 88.436+/-0.014 χ^2/NDF:1581257.3/35

All: 89.315+/-0.010 χ^2/NDF: 2899334.9/67

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: -1049.687+/-188.802 χ^2/NDF:27.5/16

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 25.783+/-189.496 χ^2/NDF:17.6/15

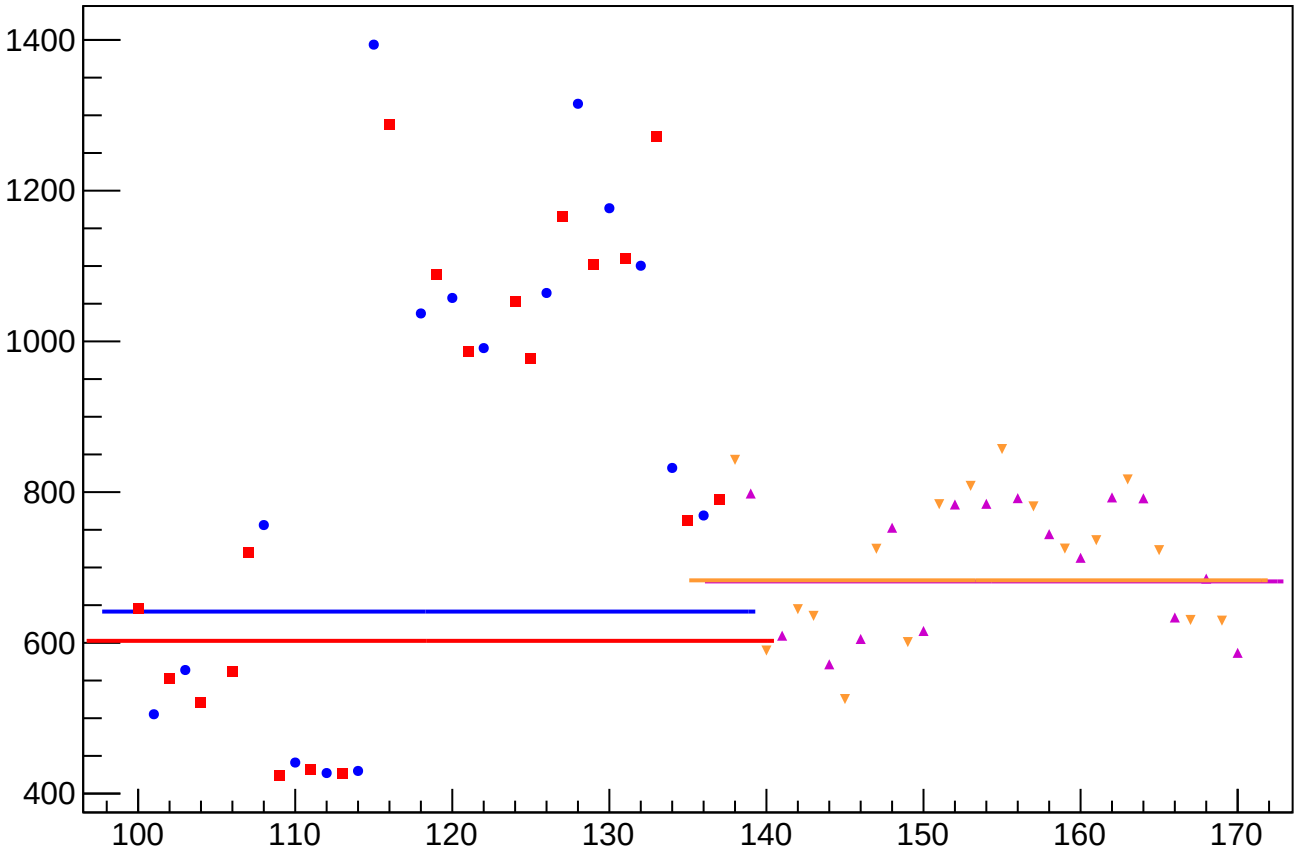
Left: -513.924+/-133.748 χ^2/NDF: 61.3/32

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 5.994+/-152.518 χ^2/NDF:39.5/31

Out: -427.652+/-148.031 χ^2/NDF:69.0/35

All: -217.303+/-106.225 χ^2/NDF: 112.7/67



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 682.928+/-0.134 χ^2/NDF:537716.2/16

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 681.515+/-0.134 χ^2/NDF:400259.7/15

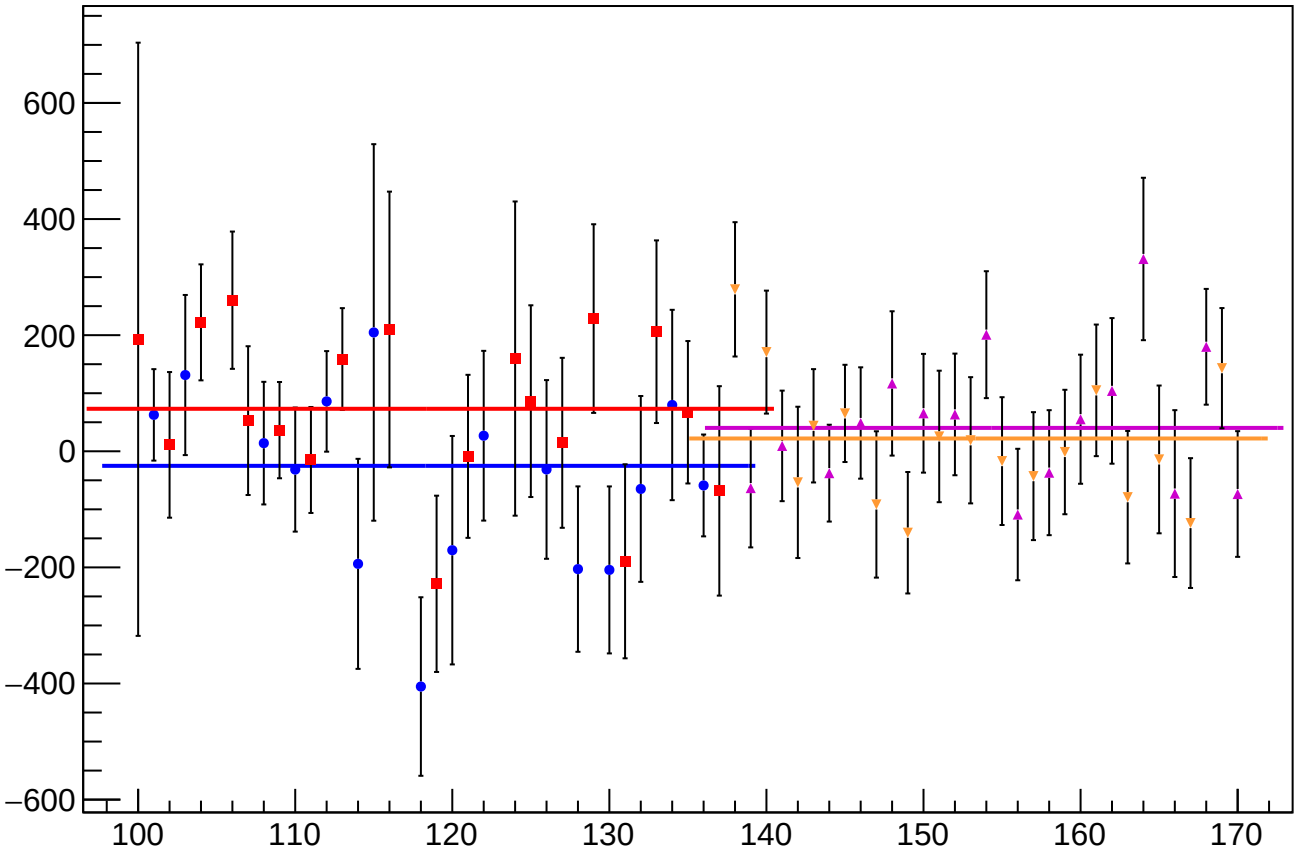
Left: 682.224+/-0.095 χ^2/NDF: 938031.7/32

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 667.422+/-0.108 χ^2/NDF:2306662.7/31

Out: 652.001+/-0.105 χ^2/NDF:2747315.5/35

All: 659.481+/-0.075 χ^2/NDF: 5064505.7/67



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.035+/-26.454 χ^2/NDF:15.8/16

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 40.267+/-26.842 χ^2/NDF:15.2/15

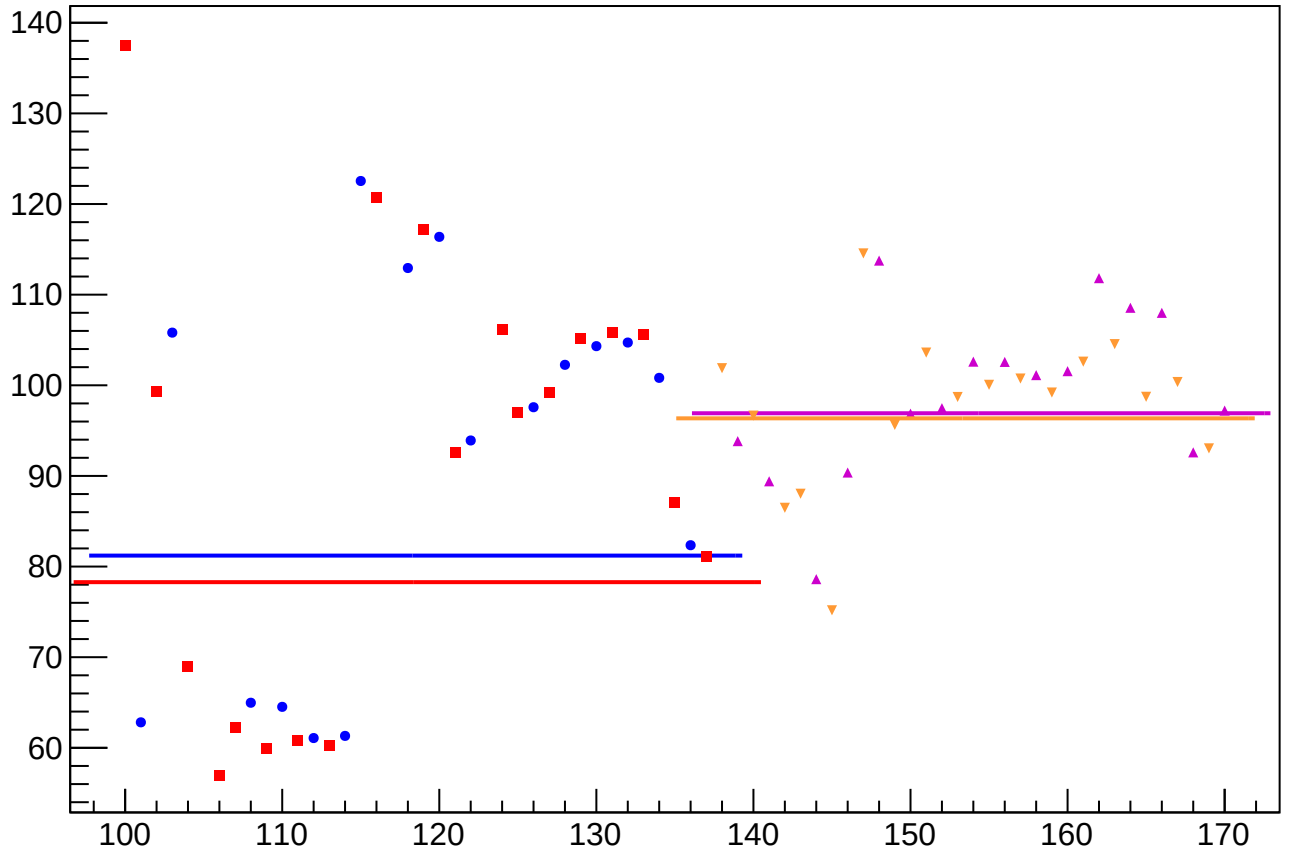
Left: 31.018+/-18.842 χ^2/NDF: 31.2/32

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 12.504+/-20.356 χ^2/NDF:33.9/31

Out: 44.467+/-19.823 χ^2/NDF:34.1/35

All: 28.909+/-14.202 χ^2/NDF: 69.3/67



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.353+/-0.019 χ^2/NDF:238049.3/16

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.630+/-0.013 χ^2/NDF: 469872.3/32

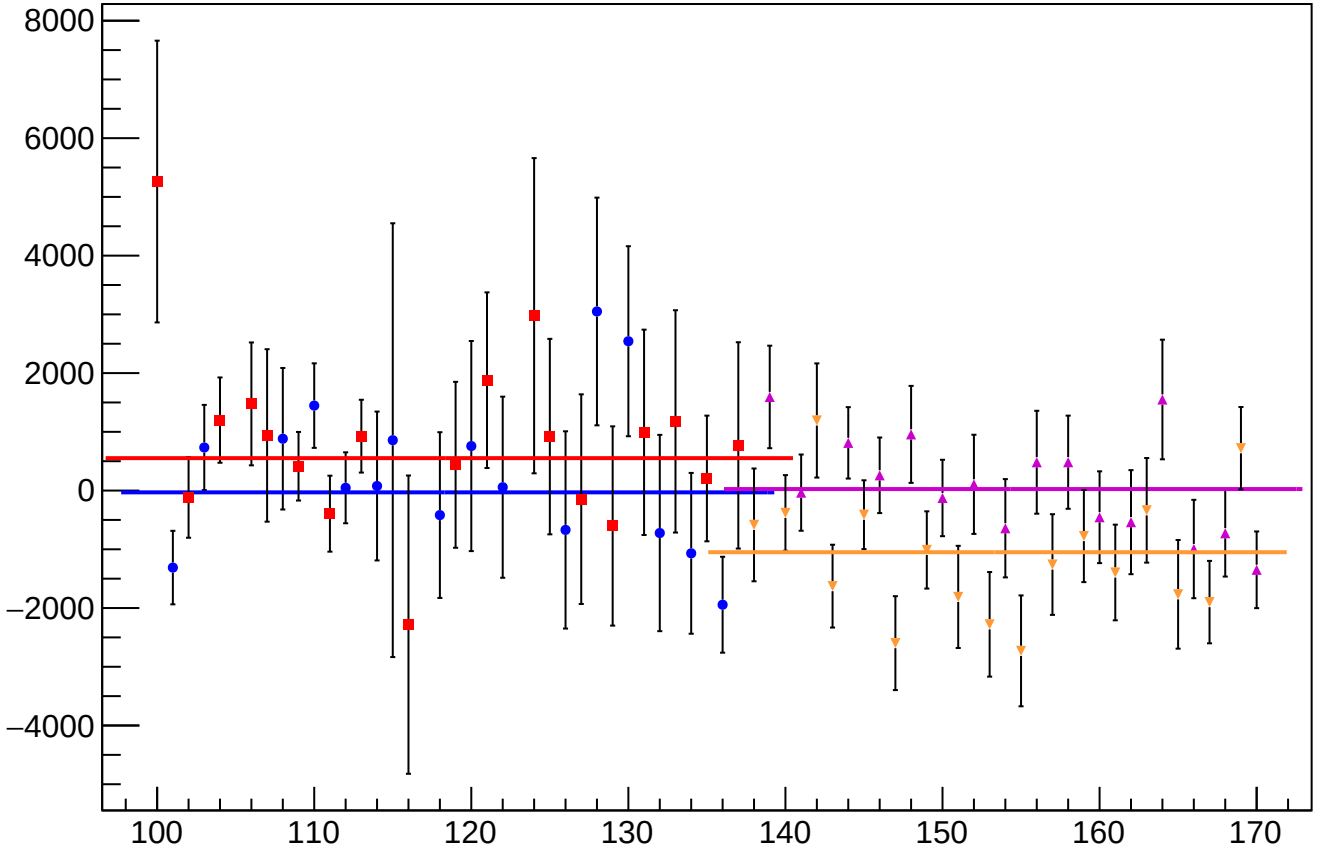
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.243+/-0.014 χ^2/NDF:1309991.6/31

Out: 88.428+/-0.014 χ^2/NDF:1584211.6/35

All: 89.311+/-0.010 χ^2/NDF: 2902359.2/67

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: -1049.682+/-188.802 χ^2/NDF:27.5/16

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 25.787+/-189.496 χ^2/NDF:17.6/15

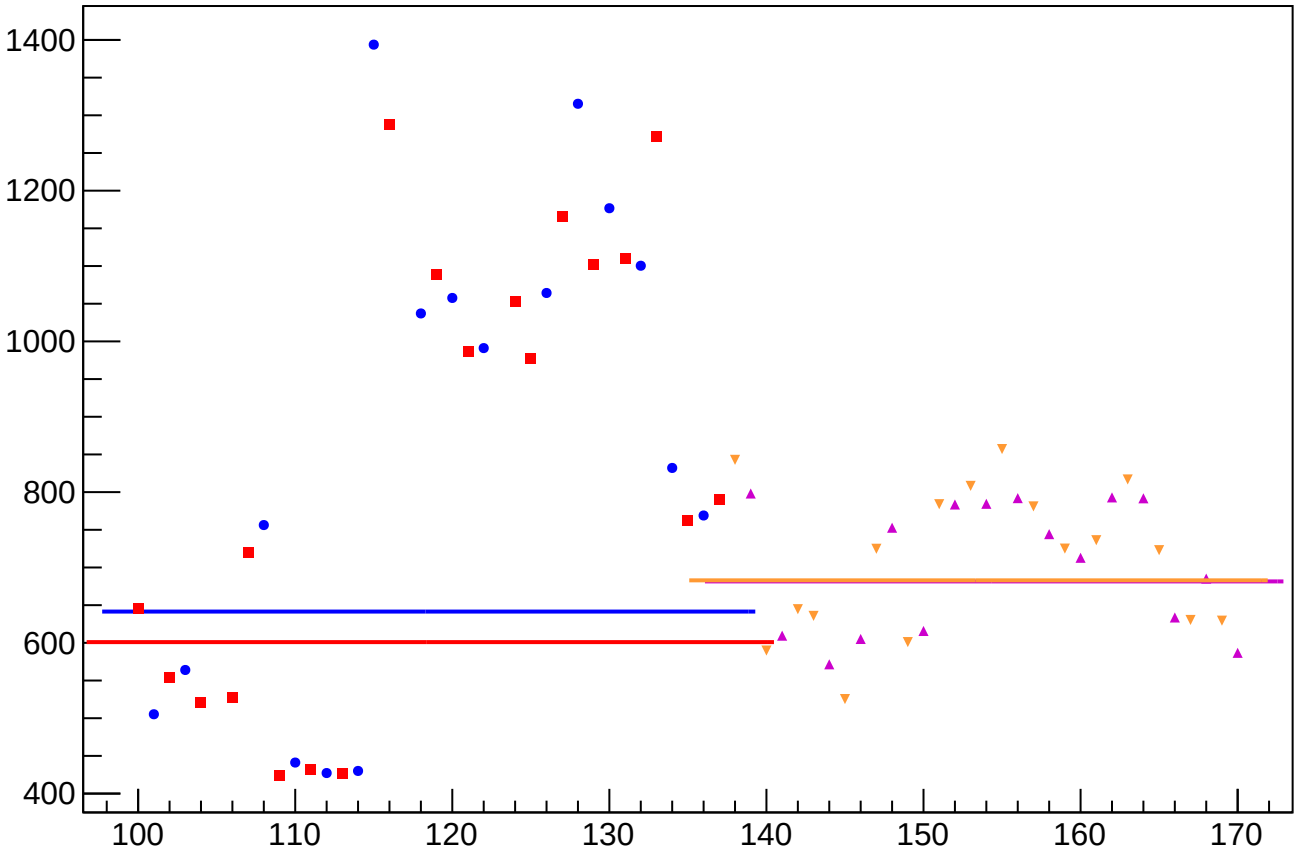
Left: -513.919+/-133.748 χ^2/NDF: 61.3/32

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 5.987+/-152.519 χ^2/NDF:39.5/31

Out: -433.106+/-148.066 χ^2/NDF:68.1/35

All: -220.063+/-106.238 χ^2/NDF: 111.8/67



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 682.928+/-0.134 χ^2/NDF:537717.0/16

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 681.515+/-0.134 χ^2/NDF:400258.6/15

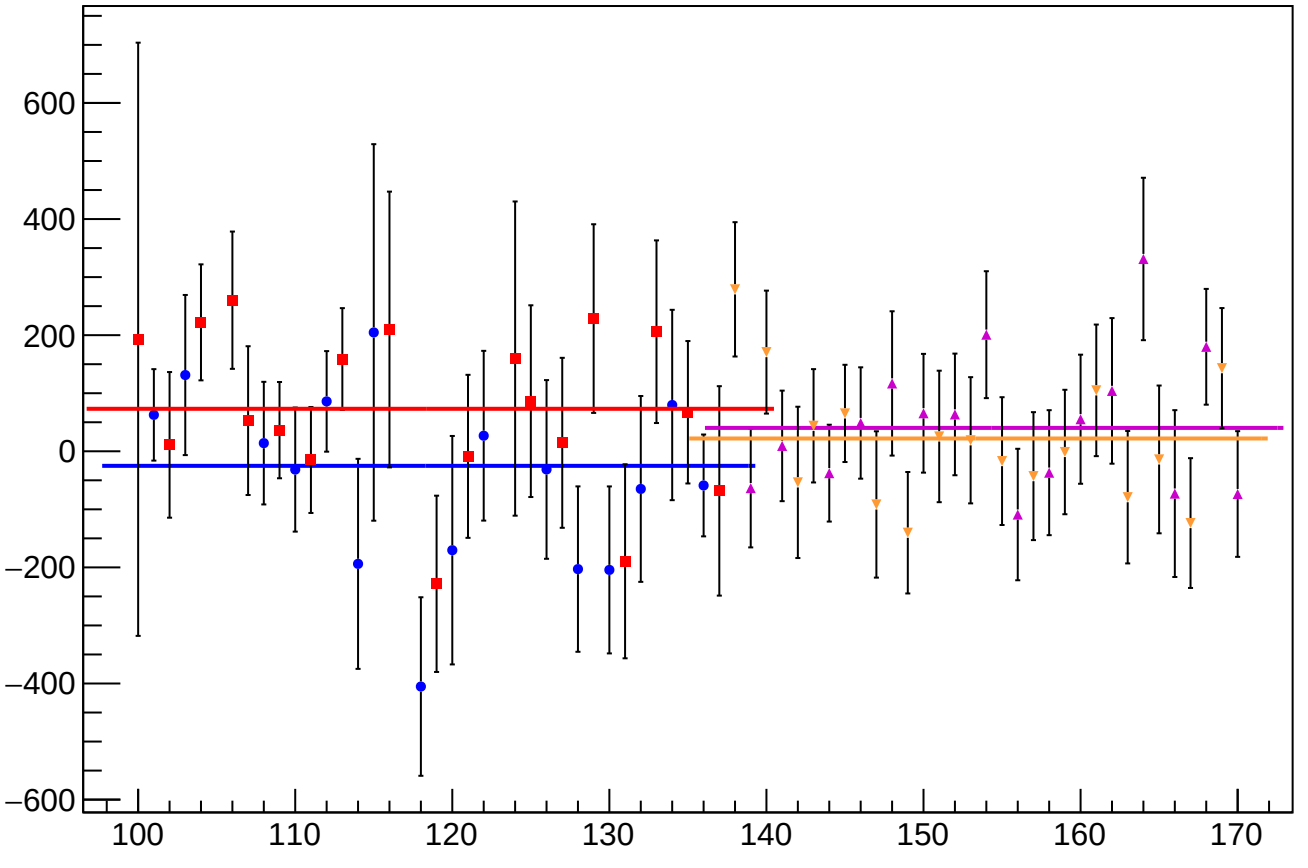
Left: 682.224+/-0.095 χ^2/NDF: 938031.3/32

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.425+/-0.108 χ^2/NDF:2306606.4/31

Out: 651.379+/-0.105 χ^2/NDF:2760015.4/35

All: 659.164+/-0.075 χ^2/NDF: 5078018.6/67



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.035+/-26.454 χ^2/NDF:15.8/16

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 40.267+/-26.842 χ^2/NDF:15.2/15

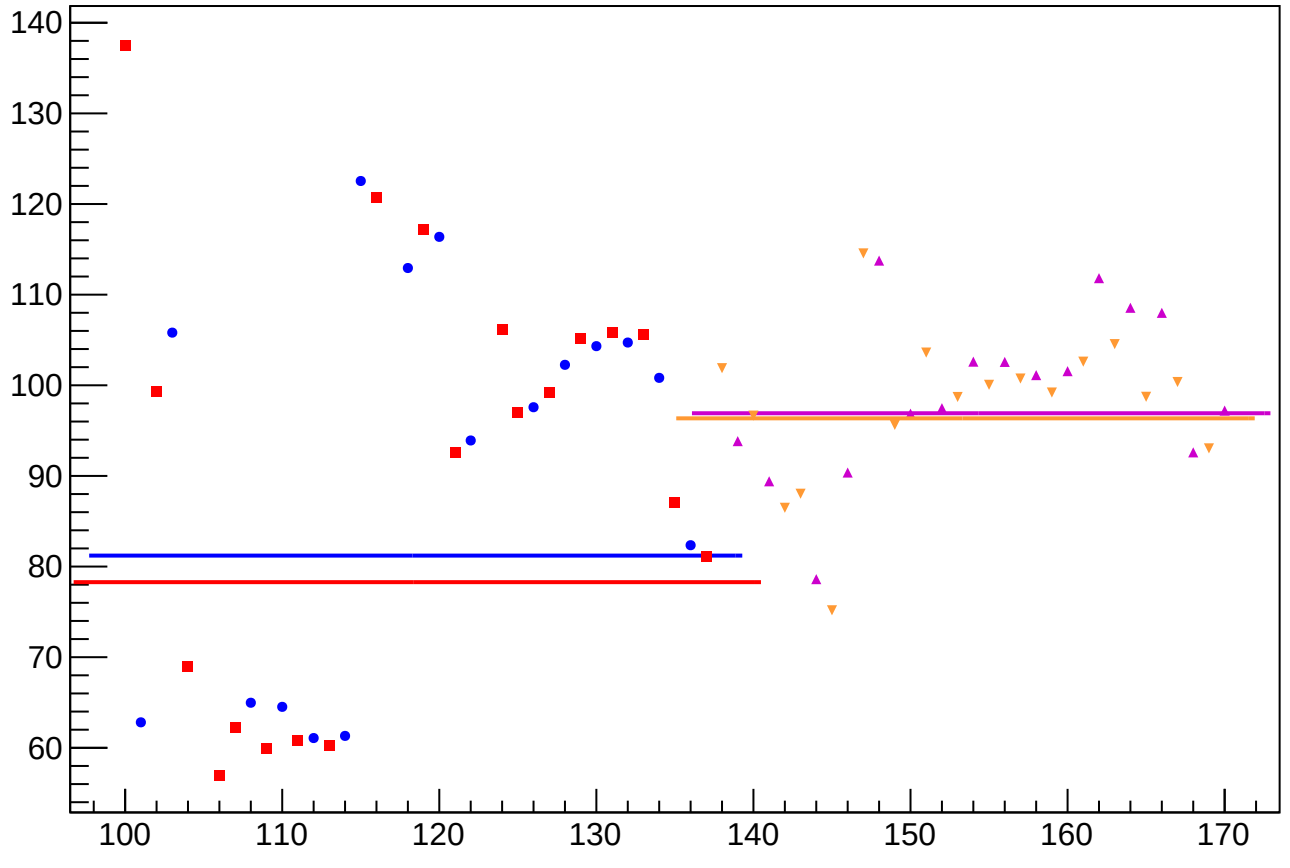
Left: 31.018+/-18.842 χ^2/NDF: 31.2/32

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 12.504+/-20.356 χ^2/NDF:33.9/31

Out: 44.467+/-19.823 χ^2/NDF:34.1/35

All: 28.909+/-14.202 χ^2/NDF: 69.3/67



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.353+/-0.019 χ^2/NDF:238049.3/16

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.630+/-0.013 χ^2/NDF: 469872.3/32

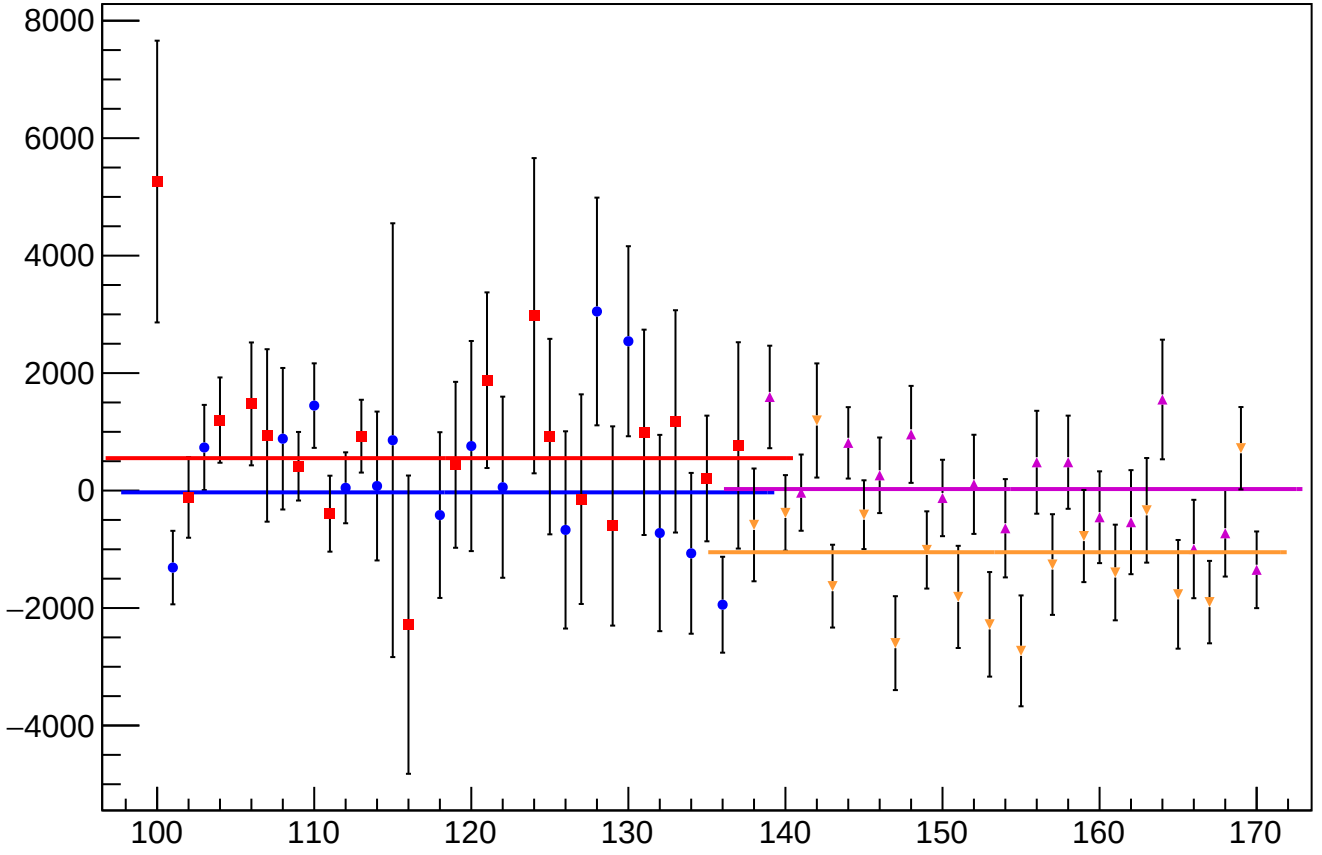
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.243+/-0.014 χ^2/NDF:1309991.6/31

Out: 88.428+/-0.014 χ^2/NDF:1584211.6/35

All: 89.311+/-0.010 χ^2/NDF: 2902359.2/67

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: -1049.682+/-188.802 χ^2/NDF:27.5/16

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 25.787+/-189.496 χ^2/NDF:17.6/15

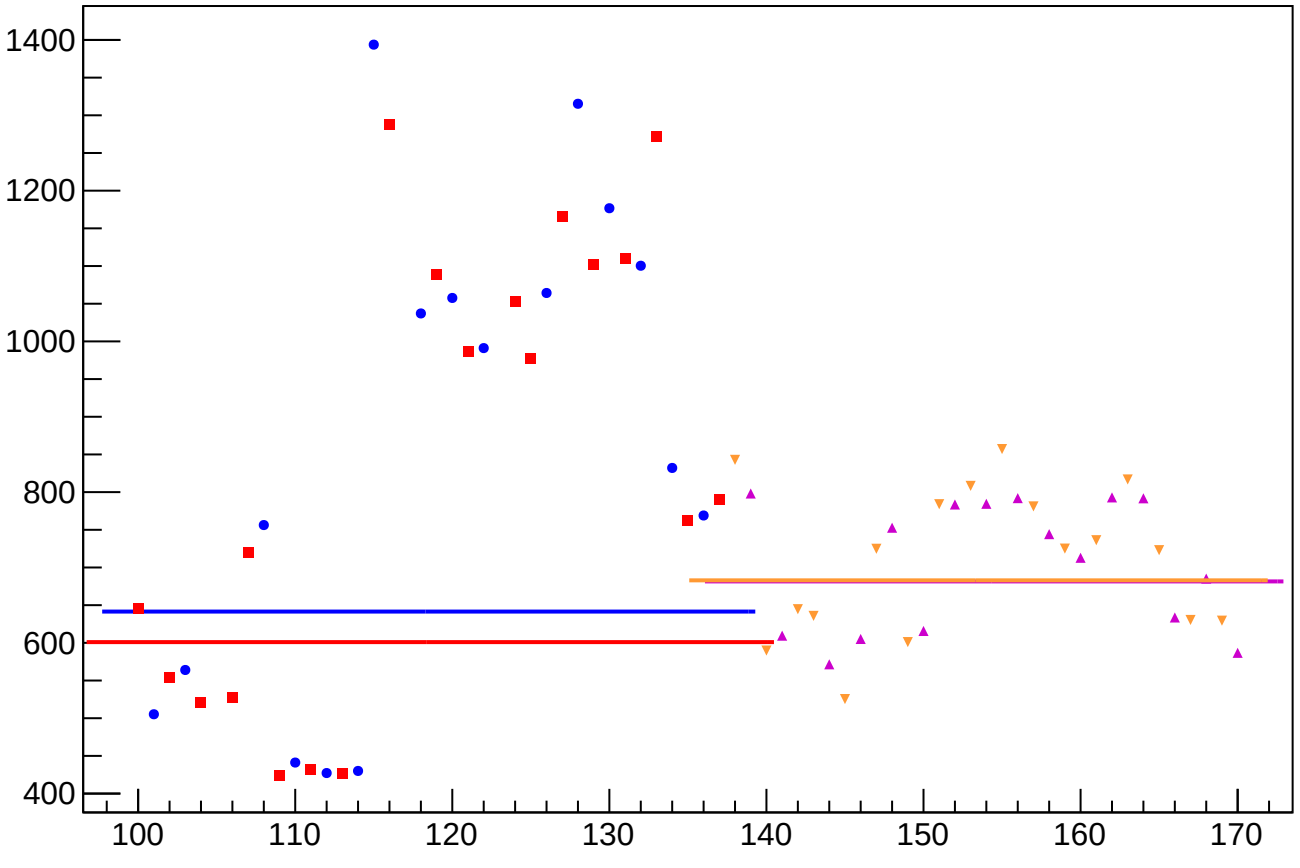
Left: -513.919+/-133.748 χ^2/NDF: 61.3/32

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 5.987+/-152.519 χ^2/NDF:39.5/31

Out: -433.106+/-148.066 χ^2/NDF:68.1/35

All: -220.063+/-106.238 χ^2/NDF: 111.8/67



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 682.928+/-0.134 χ^2/NDF:537717.0/16

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 681.515+/-0.134 χ^2/NDF:400258.6/15

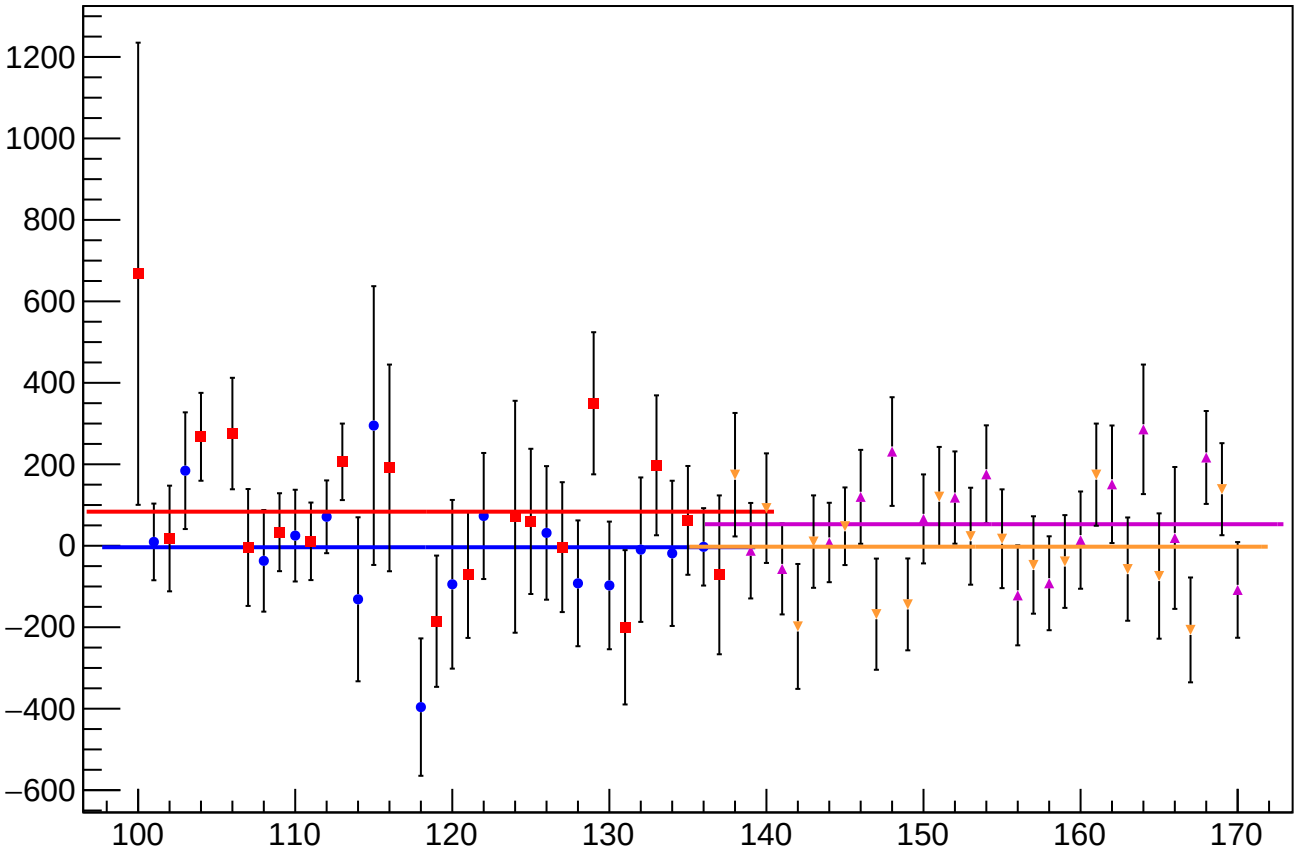
Left: 682.224+/-0.095 χ^2/NDF: 938031.3/32

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.425+/-0.108 χ^2/NDF:2306606.4/31

Out: 651.379+/-0.105 χ^2/NDF:2760015.4/35

All: 659.164+/-0.075 χ^2/NDF: 5078018.6/67



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -2.313+/-29.872 χ^2/NDF:14.6/16

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 52.890+/-30.122 χ^2/NDF:15.3/15

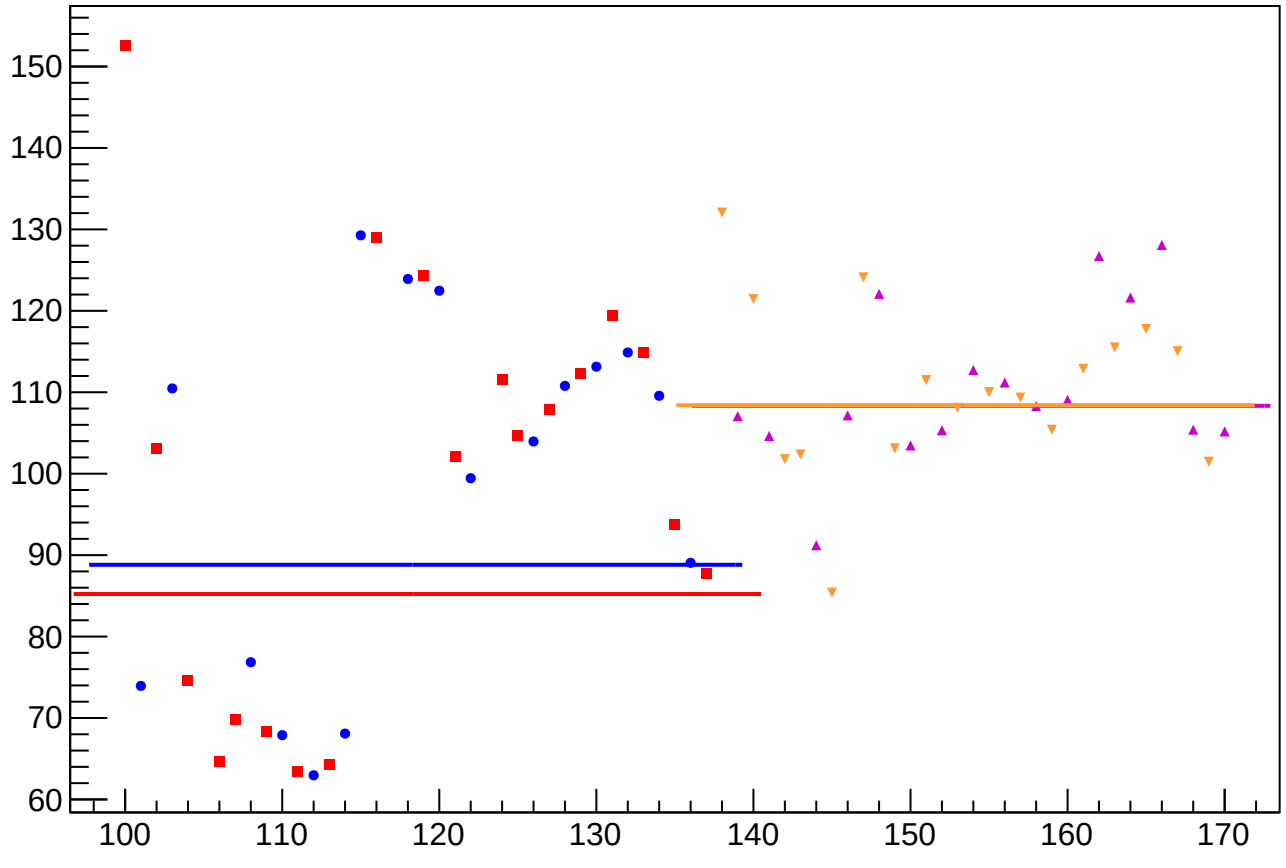
Left: 25.058+/-21.210 χ^2/NDF: 31.6/32

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 28.158+/-22.591 χ^2/NDF:27.2/31

Out: 36.891+/-22.034 χ^2/NDF:37.5/35

All: 32.633+/-15.773 χ^2/NDF: 64.7/67



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.403+/-0.021 χ^2/NDF:256665.6/16

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.339+/-0.021 χ^2/NDF:169826.9/15

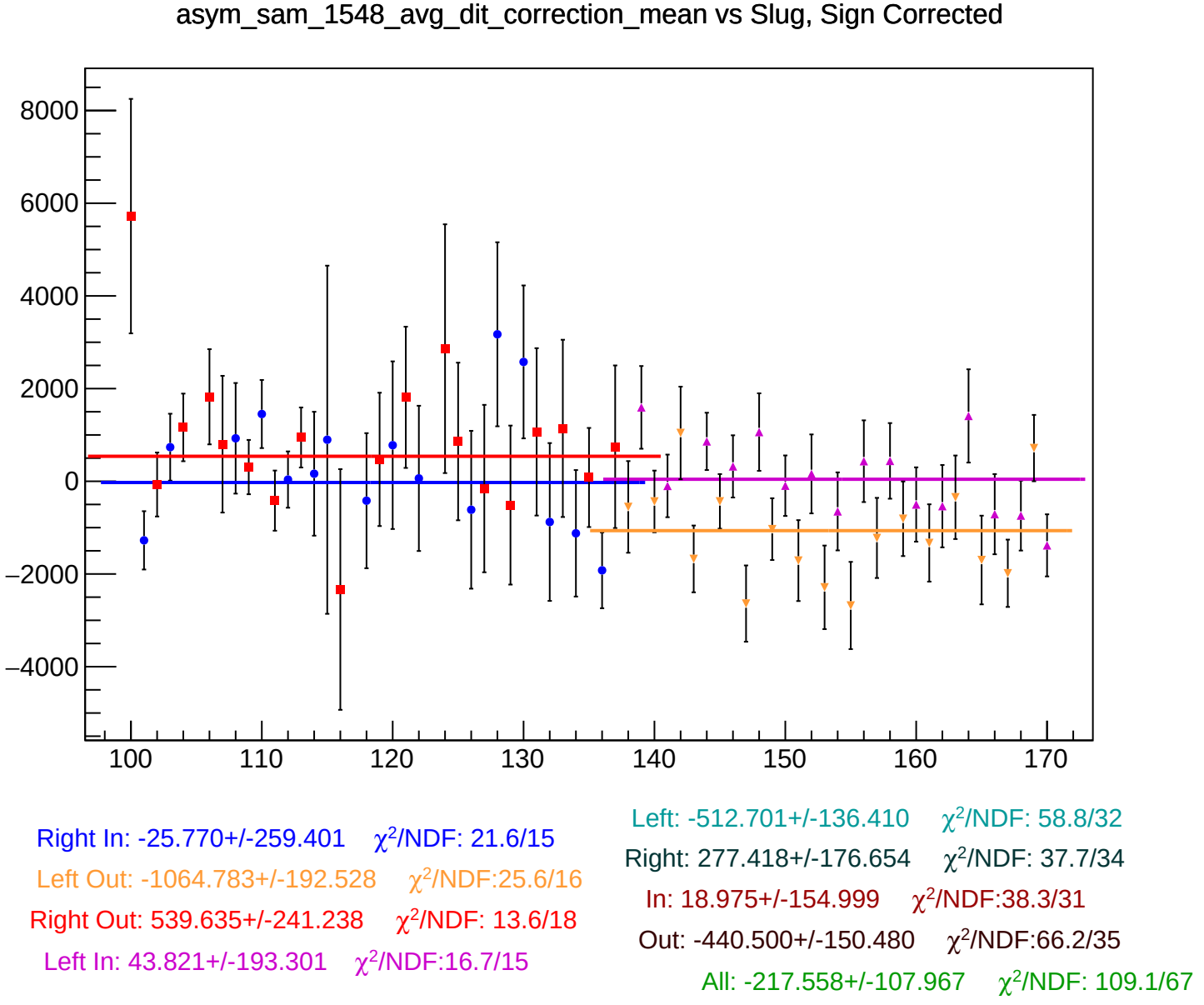
Left: 108.371+/-0.015 χ^2/NDF: 426497.2/32

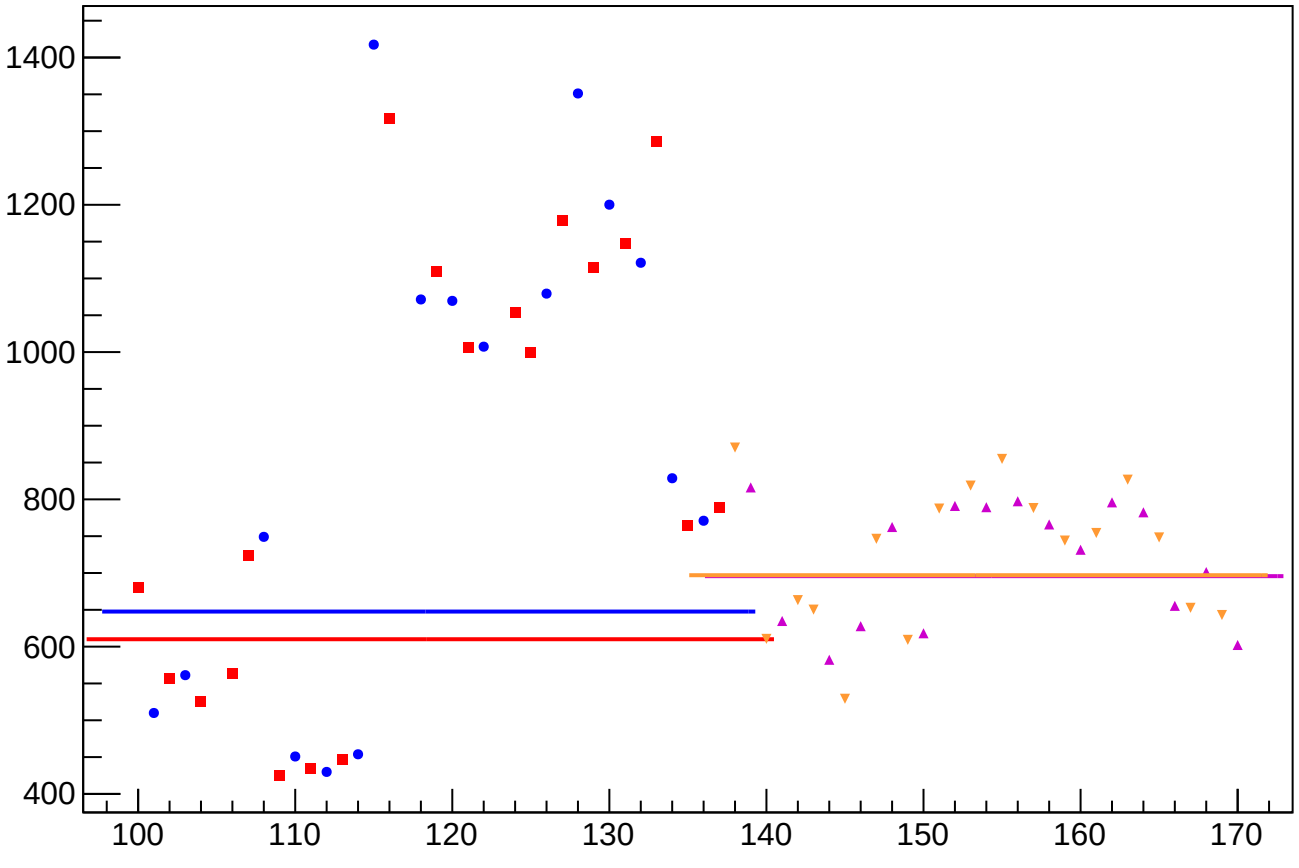
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.796+/-0.016 χ^2/NDF:1262123.5/31

Out: 97.836+/-0.016 χ^2/NDF:1689728.6/35

All: 98.791+/-0.011 χ^2/NDF: 2959566.0/67


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1064.783+/-192.528 χ²/NDF:25.6/16
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 43.821+/-193.301 χ²/NDF:16.7/15
Left: -512.701+/-136.410 χ²/NDF: 58.8/32
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 18.975+/-154.999 χ²/NDF:38.3/31
Out: -440.500+/-150.480 χ²/NDF:66.2/35
All: -217.558+/-107.967 χ²/NDF: 109.1/67



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 696.989+/-0.136 χ^2/NDF:529055.7/16

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 695.715+/-0.137 χ^2/NDF:360452.2/15

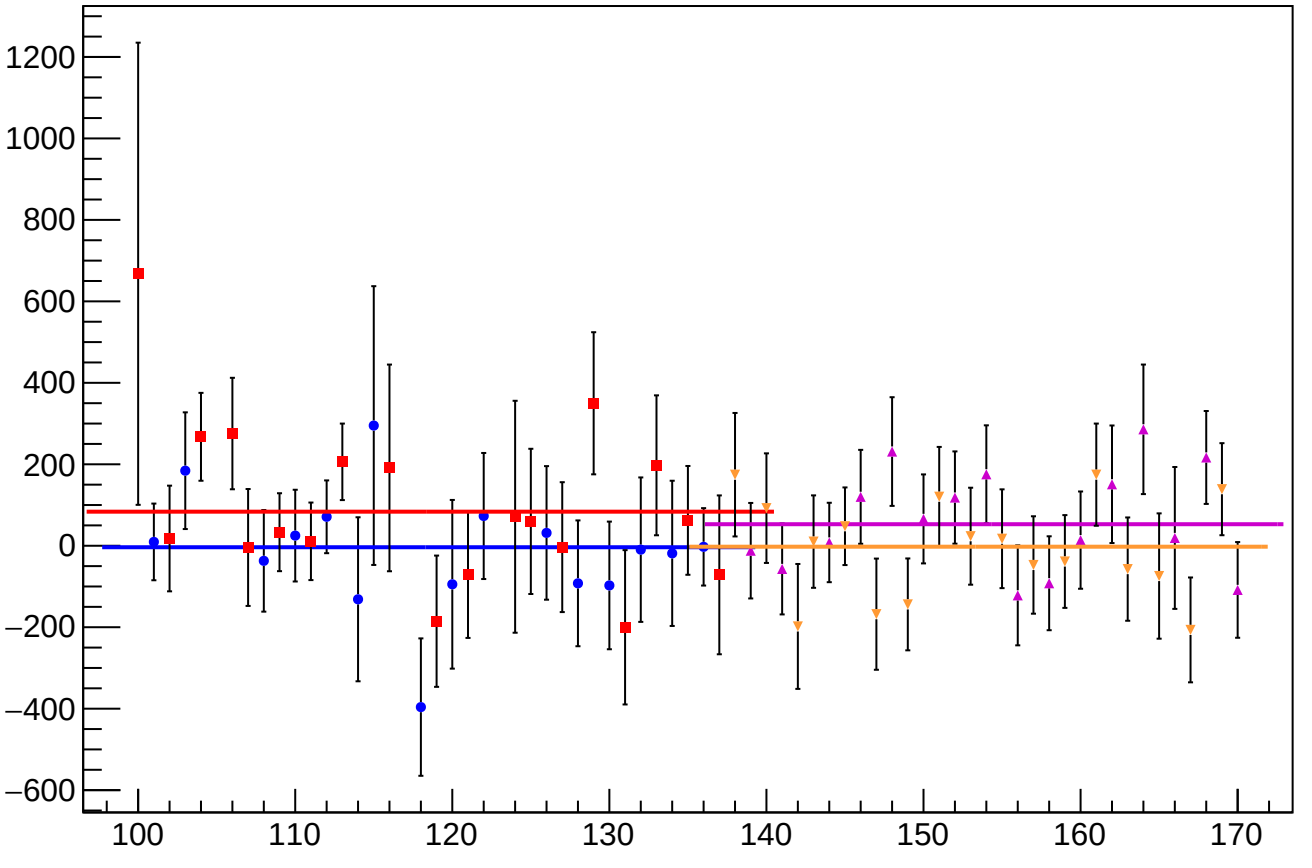
Left: 696.355+/-0.096 χ^2/NDF: 889551.6/32

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 678.551+/-0.110 χ^2/NDF:2292436.0/31

Out: 663.165+/-0.106 χ^2/NDF:2761951.5/35

All: 670.631+/-0.076 χ^2/NDF: 5064532.2/67



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -2.311+/-29.872 χ^2/NDF:14.6/16

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 52.890+/-30.122 χ^2/NDF:15.3/15

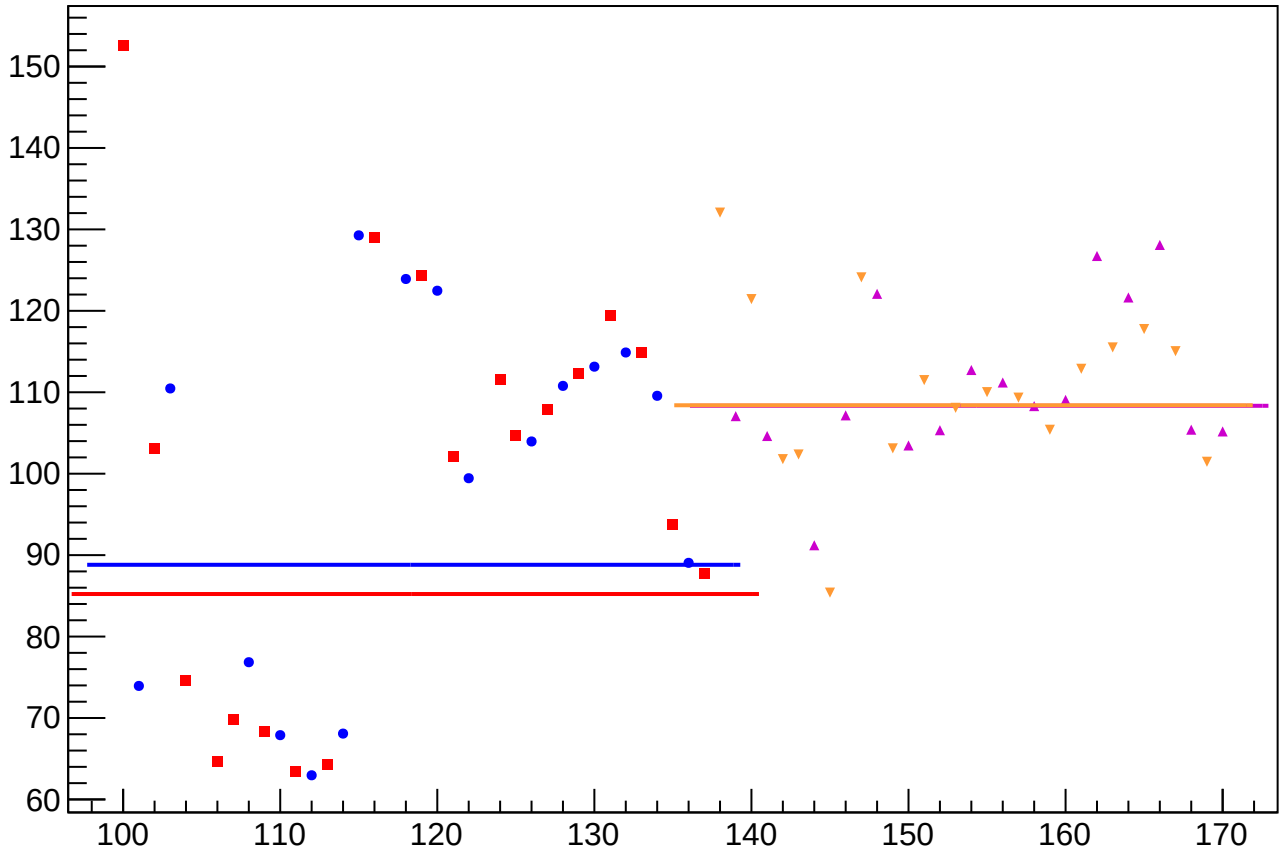
Left: 25.059+/-21.210 χ^2/NDF: 31.6/32

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 28.159+/-22.591 χ^2/NDF:27.2/31

Out: 36.891+/-22.034 χ^2/NDF:37.5/35

All: 32.634+/-15.773 χ^2/NDF: 64.7/67



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.403+/-0.021 χ^2/NDF:256663.9/16

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.339+/-0.021 χ^2/NDF:169825.2/15

Left: 108.371+/-0.015 χ^2/NDF: 426493.8/32

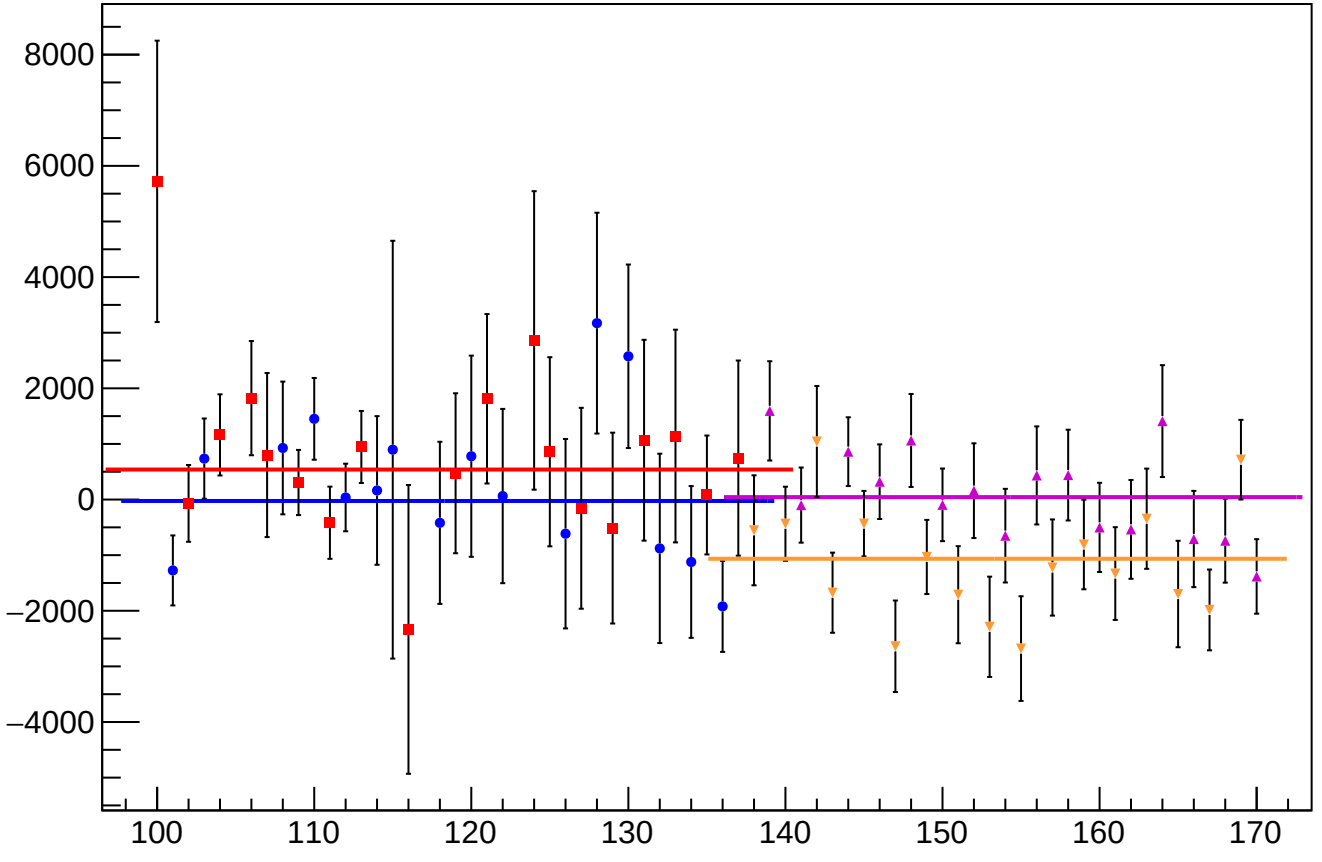
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.796+/-0.016 χ^2/NDF:1262128.3/31

Out: 97.836+/-0.016 χ^2/NDF:1689737.9/35

All: 98.791+/-0.011 χ^2/NDF: 2959580.3/67

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: -1064.781+/-192.528 χ^2/NDF:25.6/16

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 43.821+/-193.301 χ^2/NDF:16.7/15

Left: -512.701+/-136.410 χ^2/NDF: 58.8/32

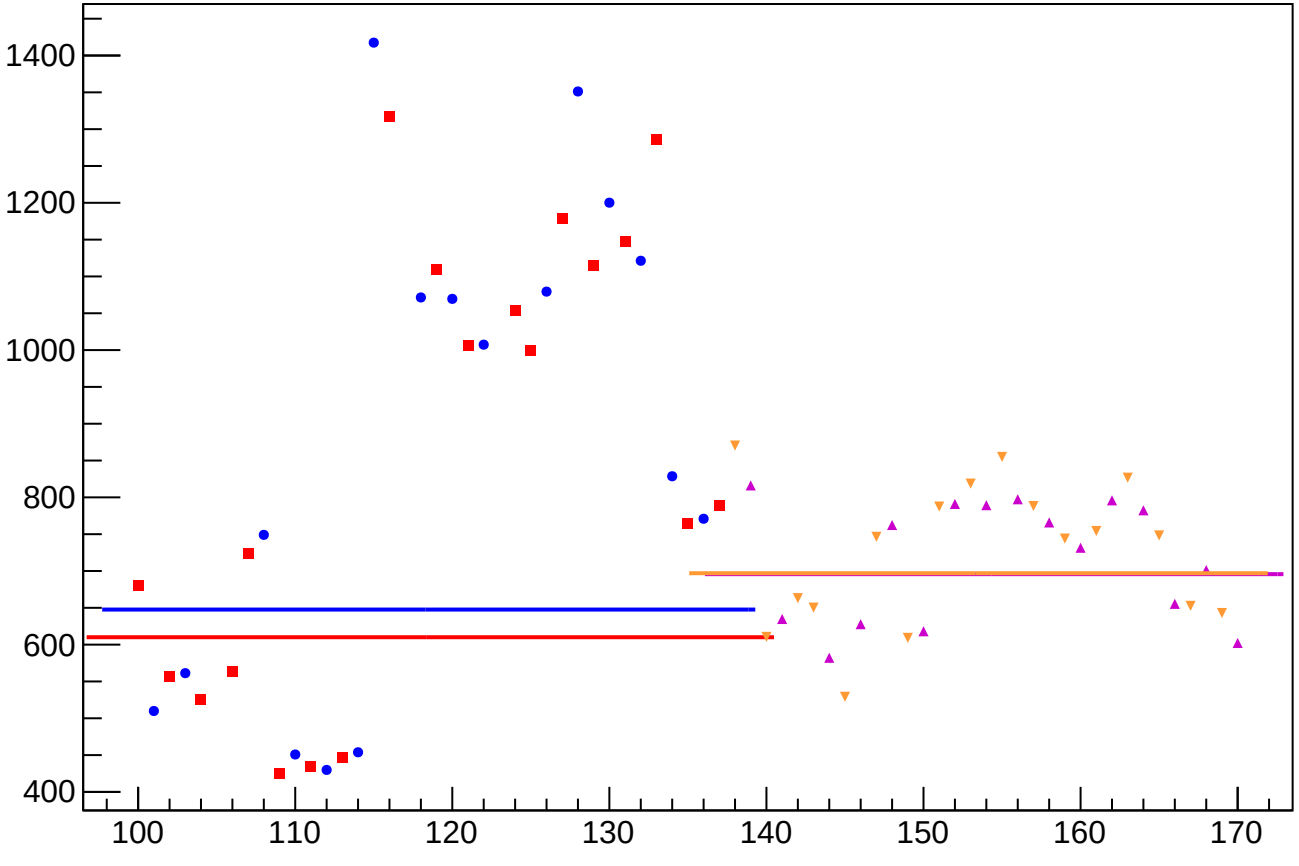
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 18.974+/-154.998 χ^2/NDF:38.3/31

Out: -440.499+/-150.480 χ^2/NDF:66.2/35

All: -217.557+/-107.967 χ^2/NDF: 109.1/67

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: 696.989+/-0.136 χ^2/NDF:529057.6/16

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 695.715+/-0.137 χ^2/NDF:360450.6/15

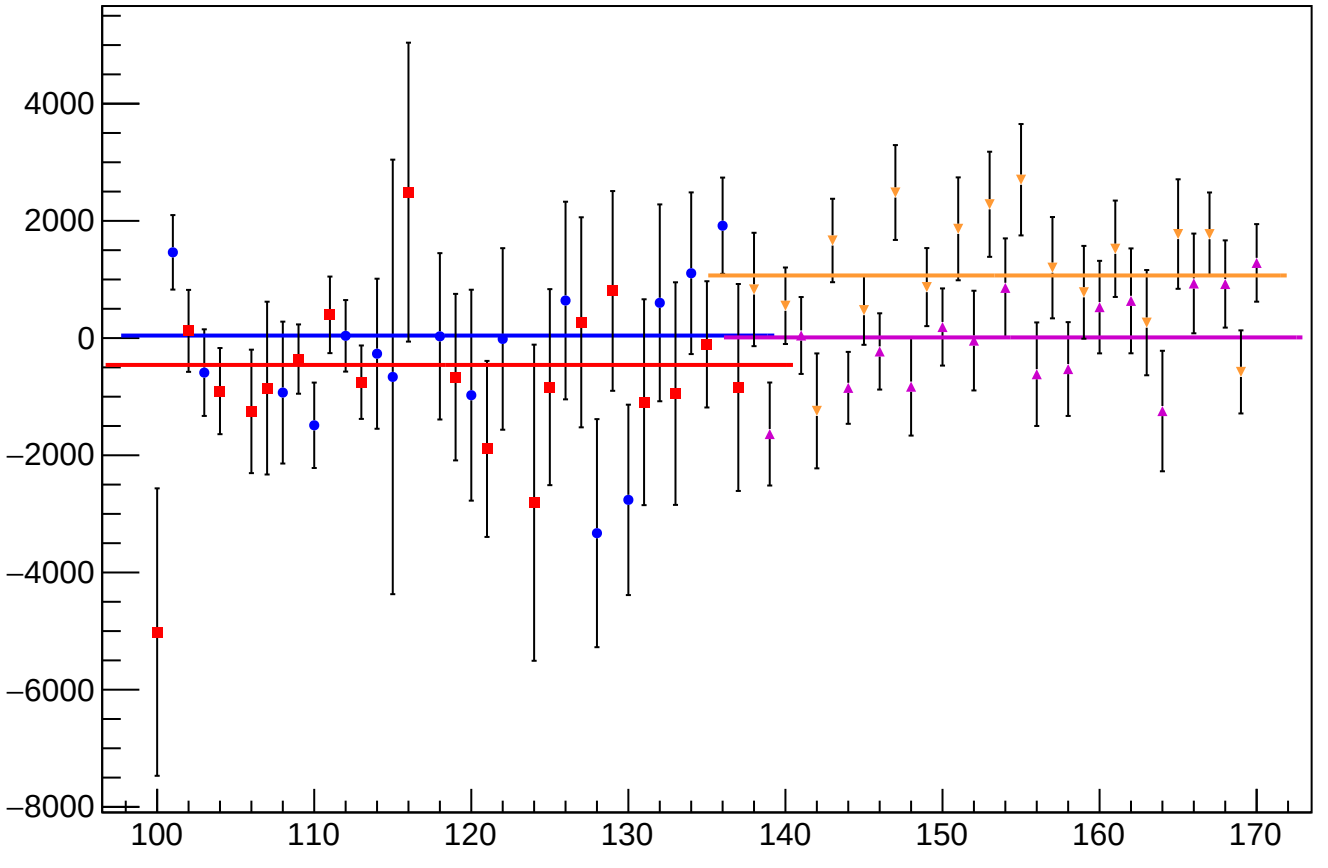
Left: 696.354+/-0.096 χ^2/NDF: 889551.8/32

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 678.550+/-0.110 χ^2/NDF:2292439.5/31

Out: 663.165+/-0.106 χ^2/NDF:2761956.8/35

All: 670.630+/-0.076 χ^2/NDF: 5064541.1/67



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1068.630+/-190.764 χ^2/NDF:24.9/16

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: 11.529+/-191.499 χ^2/NDF:17.4/15

Left: 542.112+/-135.149 χ^2/NDF: 57.7/32

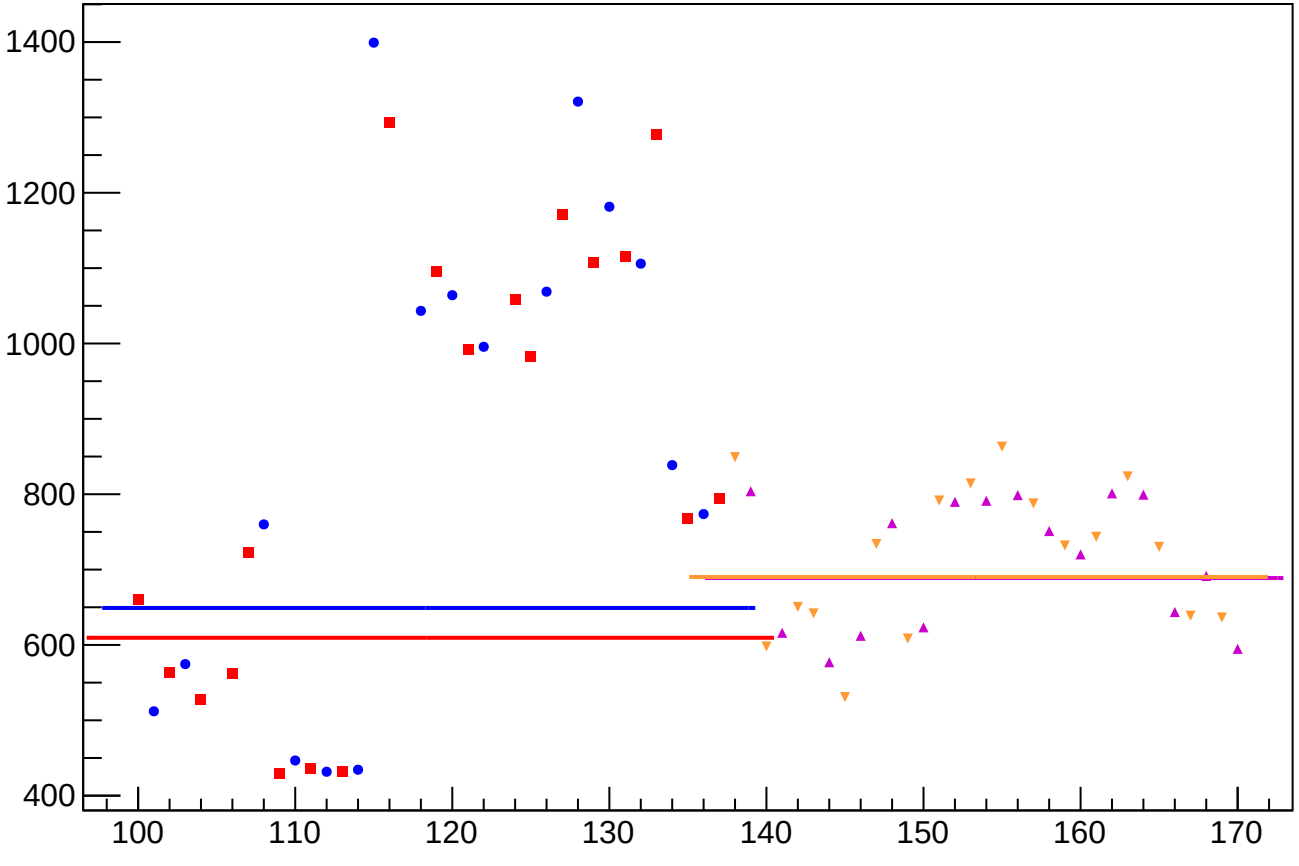
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: 22.662+/-154.147 χ^2/NDF:40.7/31

Out: 480.877+/-149.604 χ^2/NDF:60.8/35

All: 258.622+/-107.356 χ^2/NDF: 106.1/67

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 690.208+/-0.135 χ^2/NDF:527956.8/16

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 688.865+/-0.135 χ^2/NDF:392527.4/15

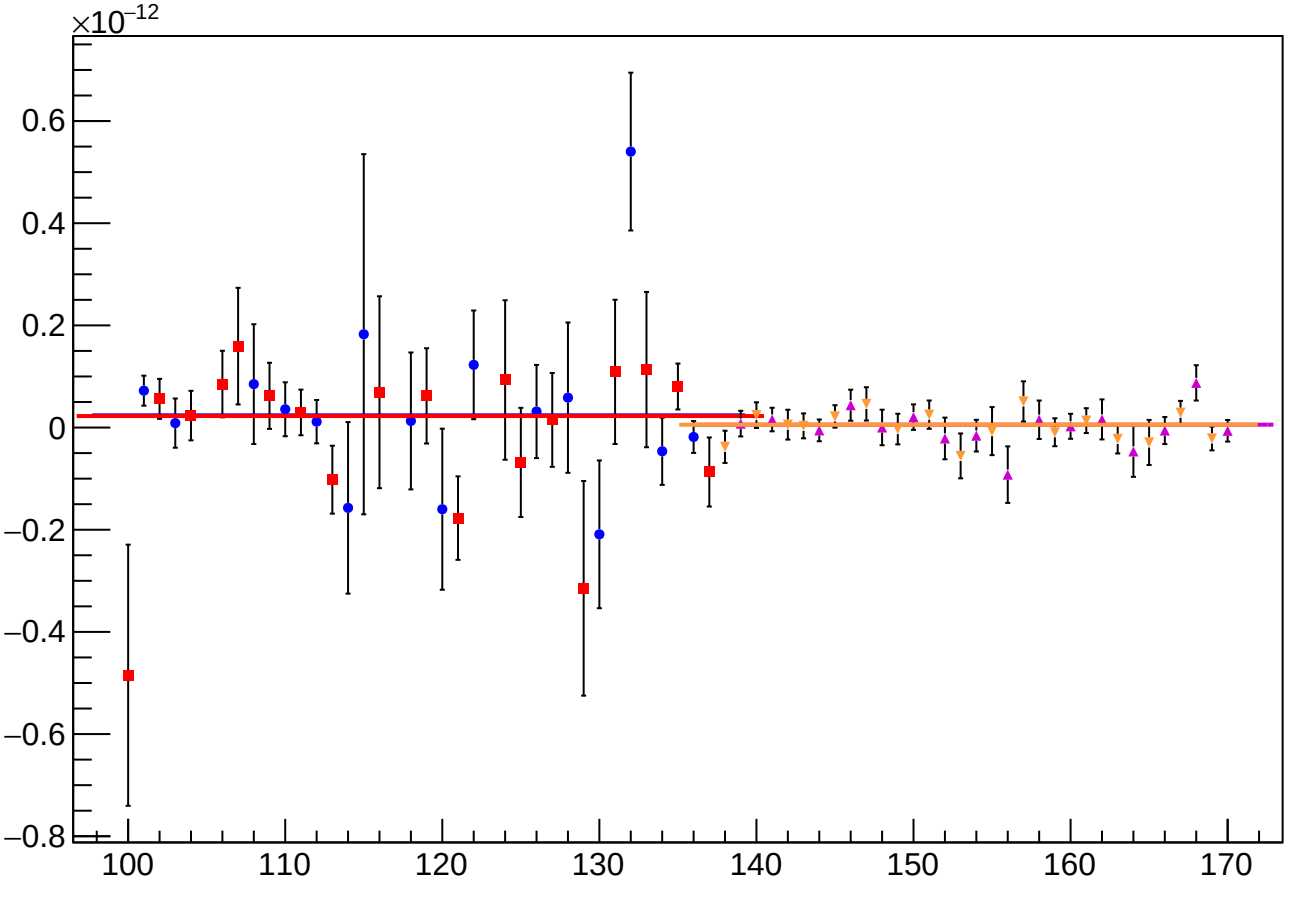
Left: 689.539+/-0.096 χ^2/NDF: 920533.6/32

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 674.862+/-0.109 χ^2/NDF:2268717.4/31

Out: 659.144+/-0.106 χ^2/NDF:2709309.3/35

All: 666.768+/-0.076 χ^2/NDF: 4988735.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

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

Left: 0.000+/-0.000 χ^2/NDF: 26.6/32

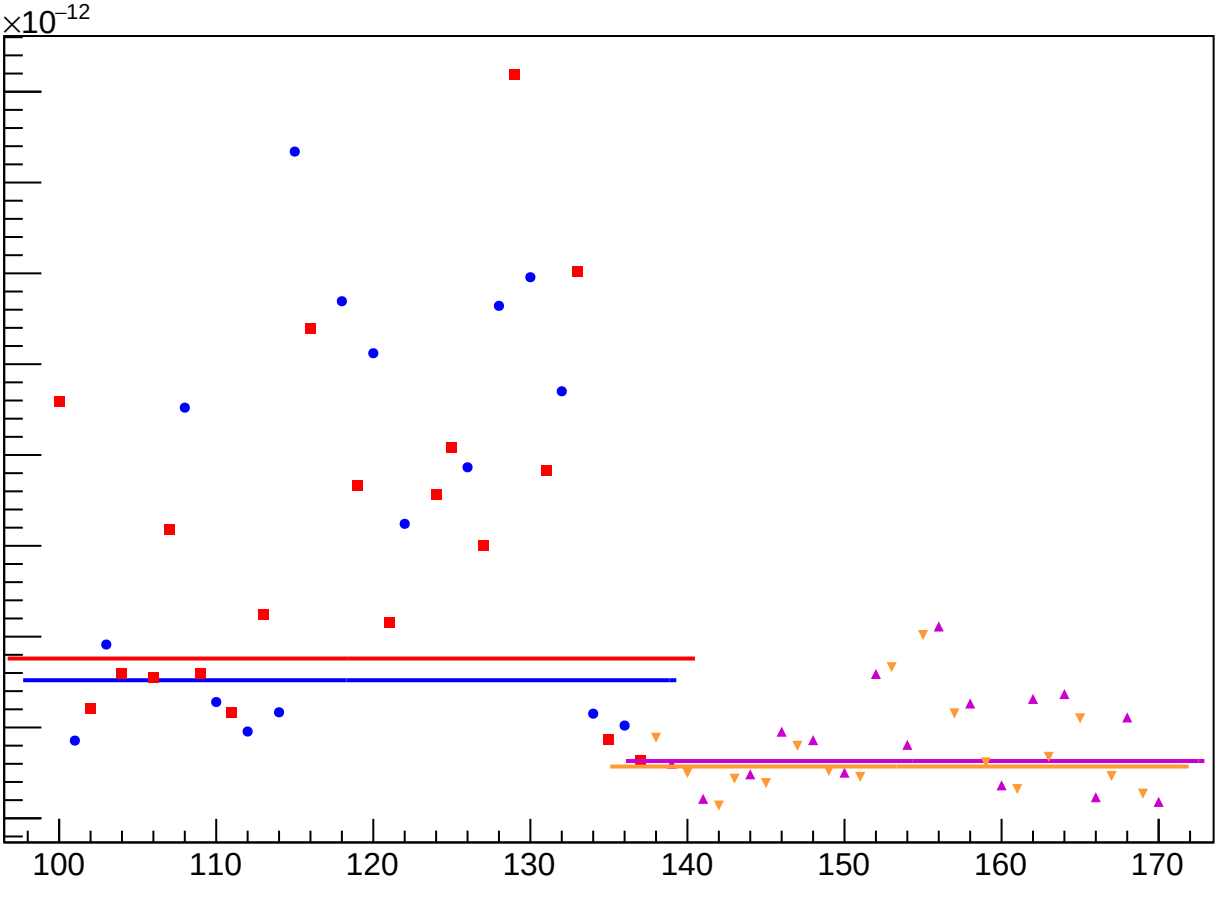
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:38.6/31

Out: 0.000+/-0.000 χ^2/NDF:39.4/35

All: 0.000+/-0.000 χ^2/NDF: 78.1/67

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:547040.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:731768.0/15

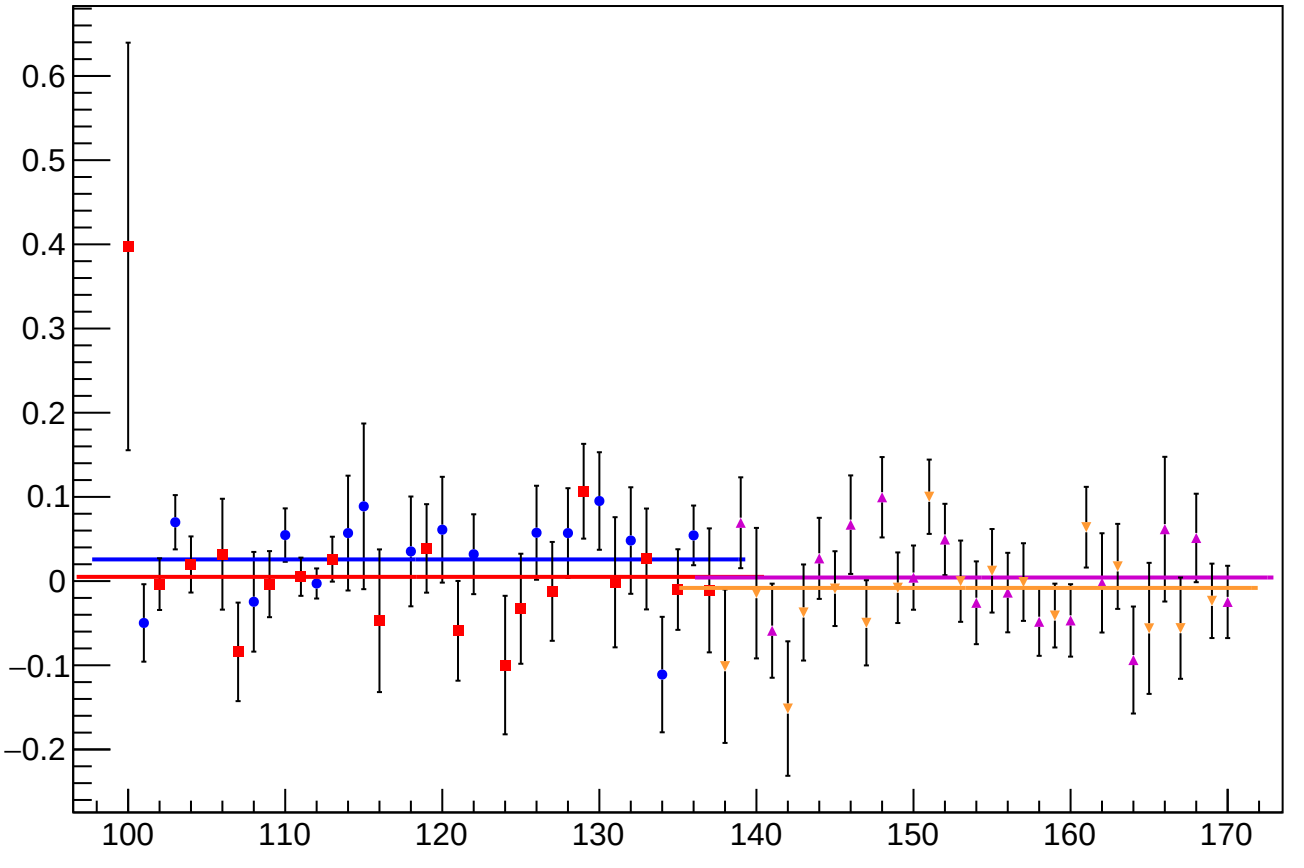
Left: 0.000+/-0.000 χ^2/NDF: 1286186.4/32

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2601691.1/31

Out: 0.000+/-0.000 χ^2/NDF:2433875.0/35

All: 0.000+/-0.000 χ^2/NDF: 5040414.2/67



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/16

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.012 χ^2/NDF:16.9/15

Left: -0.002+/-0.009 χ^2/NDF: 33.3/32

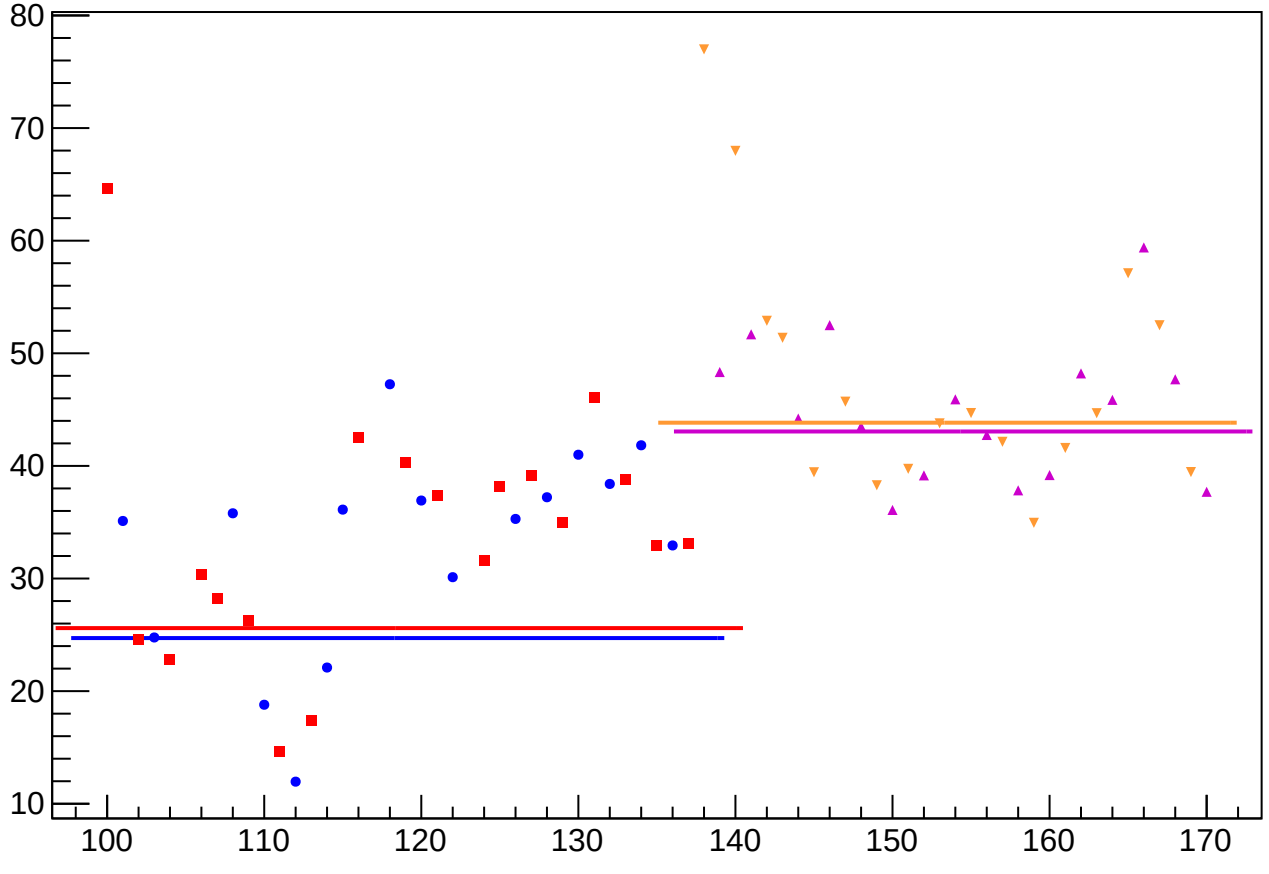
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.000+/-0.008 χ^2/NDF:30.1/35

All: 0.008+/-0.006 χ^2/NDF: 67.7/67

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: 43.838+/-0.009 χ^2/NDF:831348.5/16

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.057+/-0.009 χ^2/NDF:398376.0/15

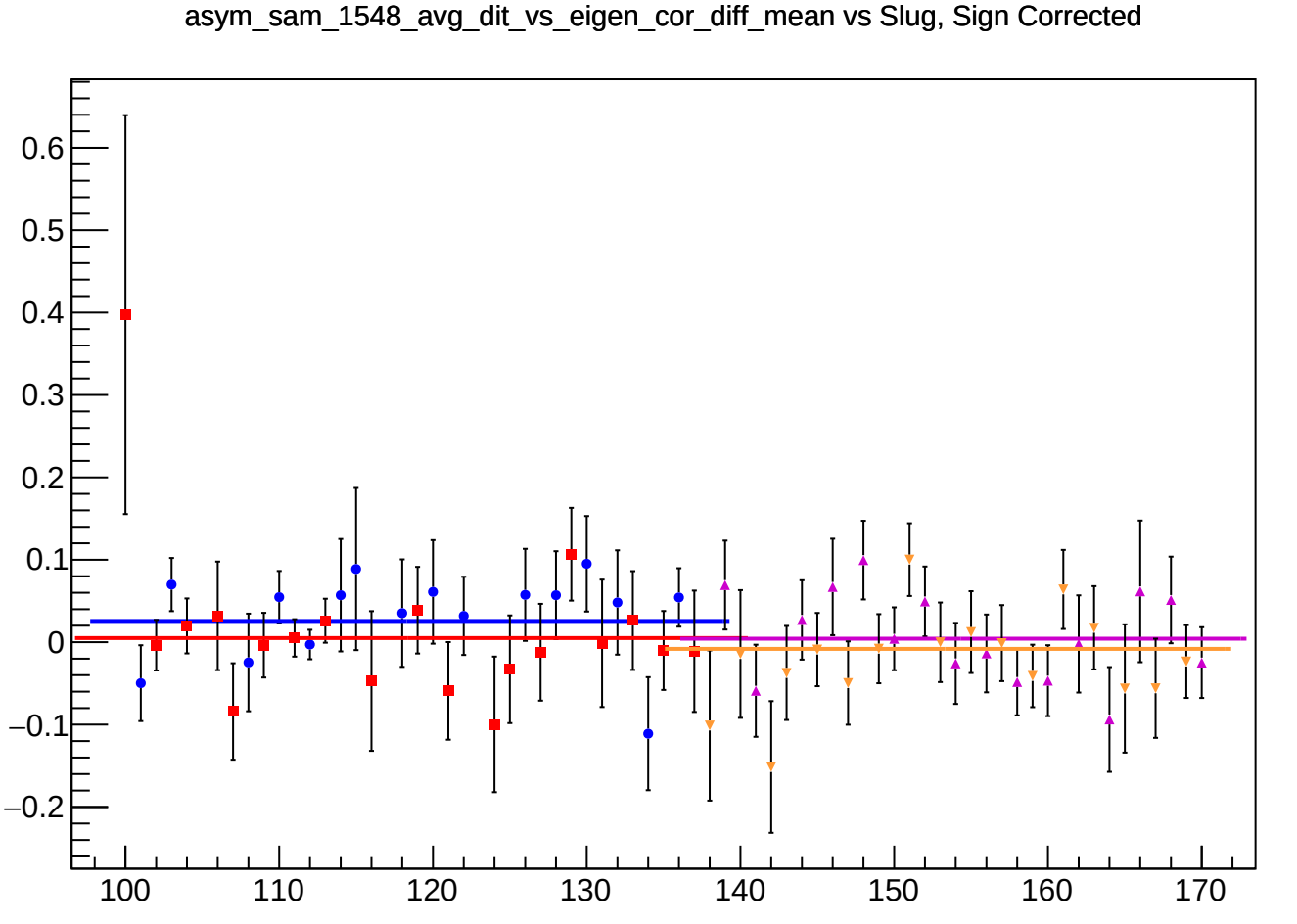
Left: 43.443+/-0.006 χ^2/NDF: 1233743.2/32

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.355+/-0.006 χ^2/NDF:5307578.5/31

Out: 33.091+/-0.006 χ^2/NDF:4989760.6/35

All: 32.721+/-0.004 χ^2/NDF: 10305982.0/67



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/16

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.012 χ^2/NDF:16.9/15

Left: -0.002+/-0.009 χ^2/NDF: 33.3/32

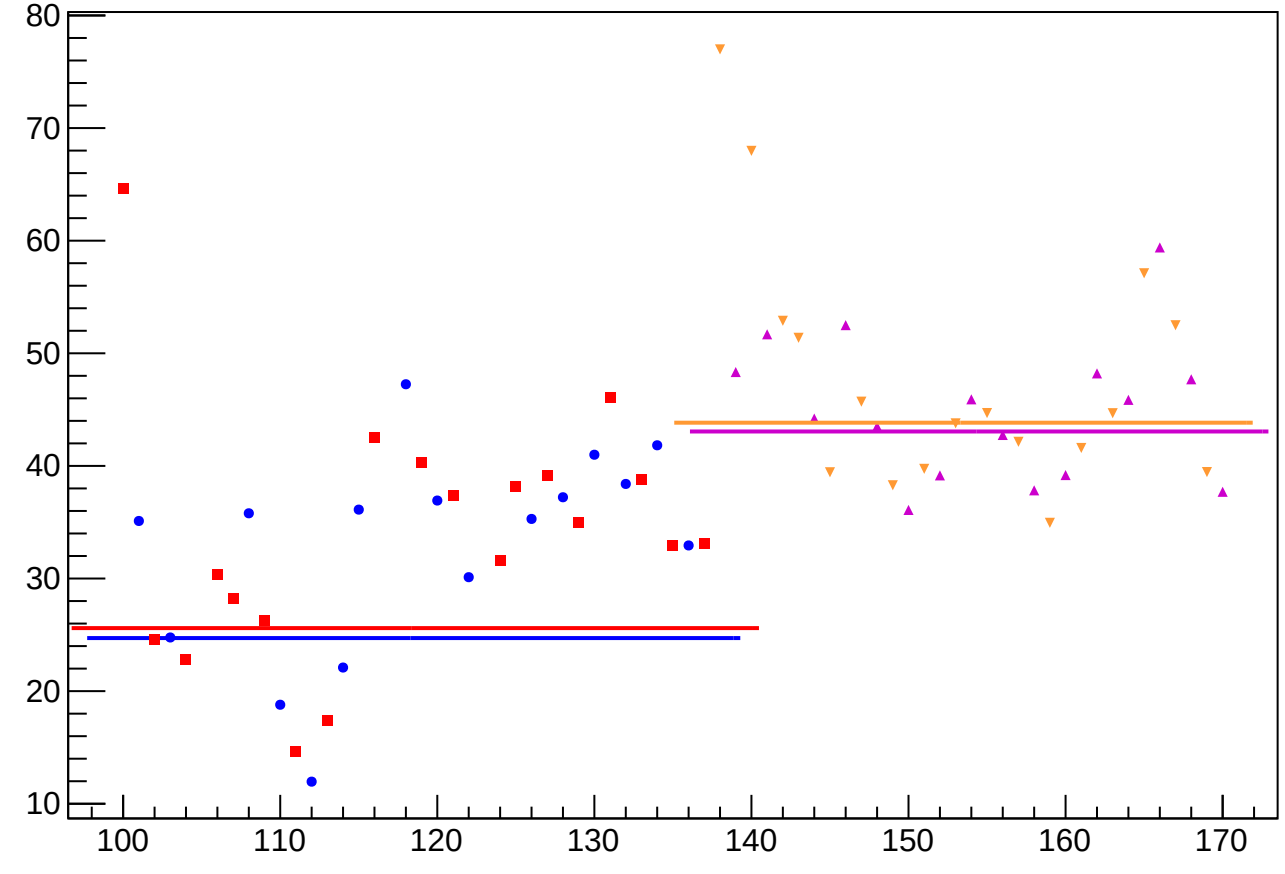
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.000+/-0.008 χ^2/NDF:30.1/35

All: 0.008+/-0.006 χ^2/NDF: 67.7/67

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: 43.838+/-0.009 χ^2/NDF:831348.5/16

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.057+/-0.009 χ^2/NDF:398376.0/15

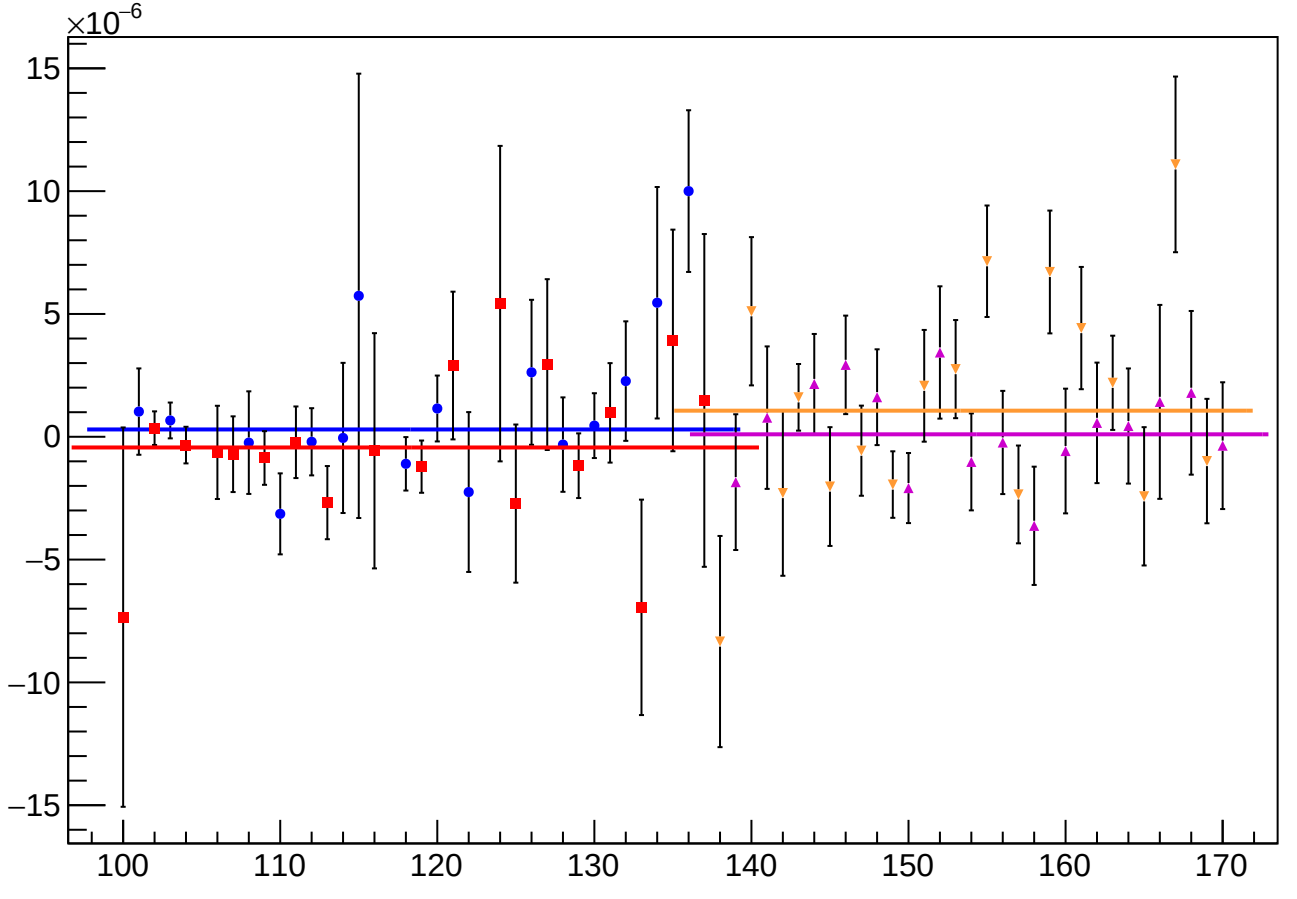
Left: 43.443+/-0.006 χ^2/NDF: 1233743.2/32

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.355+/-0.006 χ^2/NDF:5307578.5/31

Out: 33.091+/-0.006 χ^2/NDF:4989760.6/35

All: 32.721+/-0.004 χ^2/NDF: 10305982.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/15

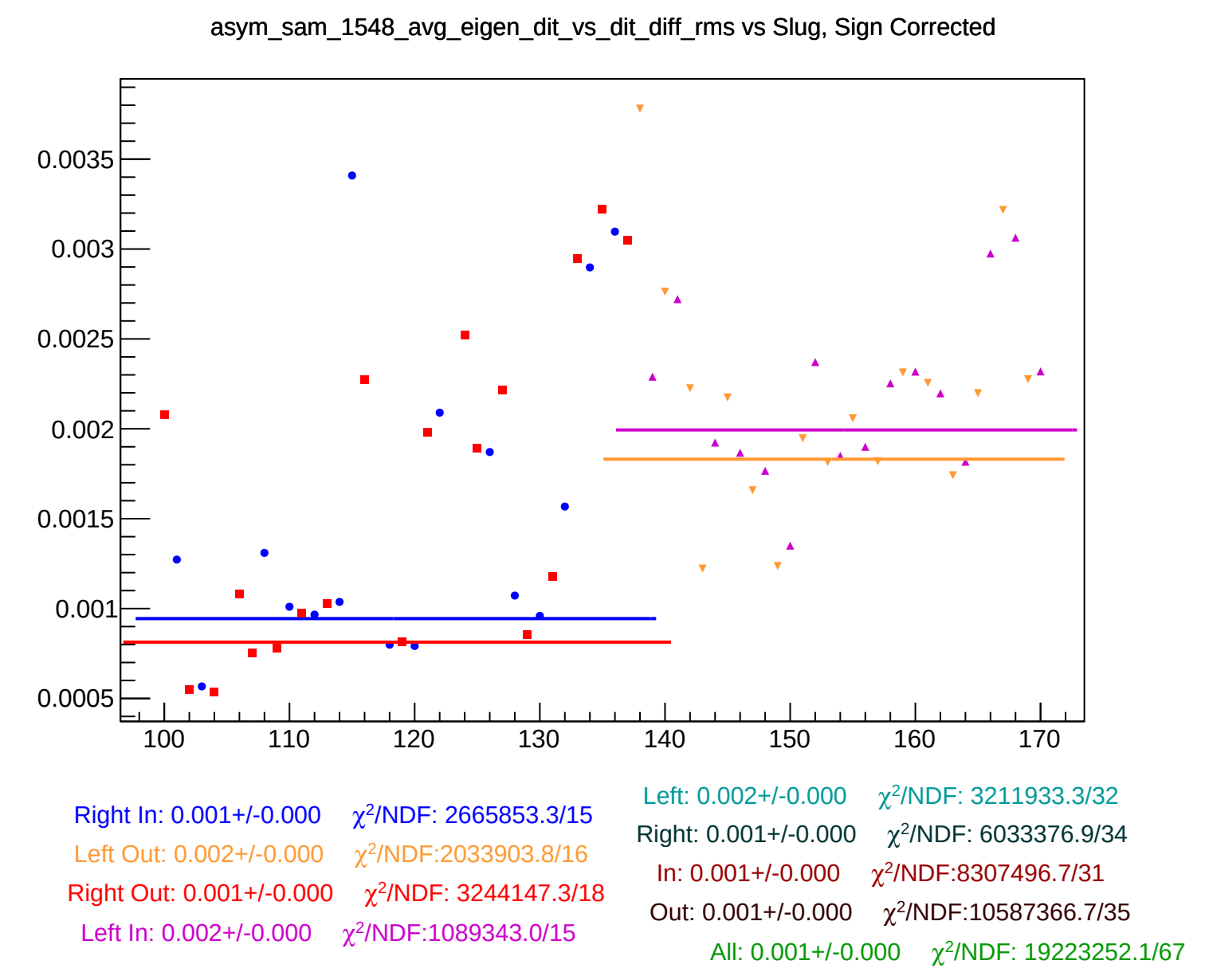
Left: 0.000+/-0.000 χ^2/NDF: 56.3/32

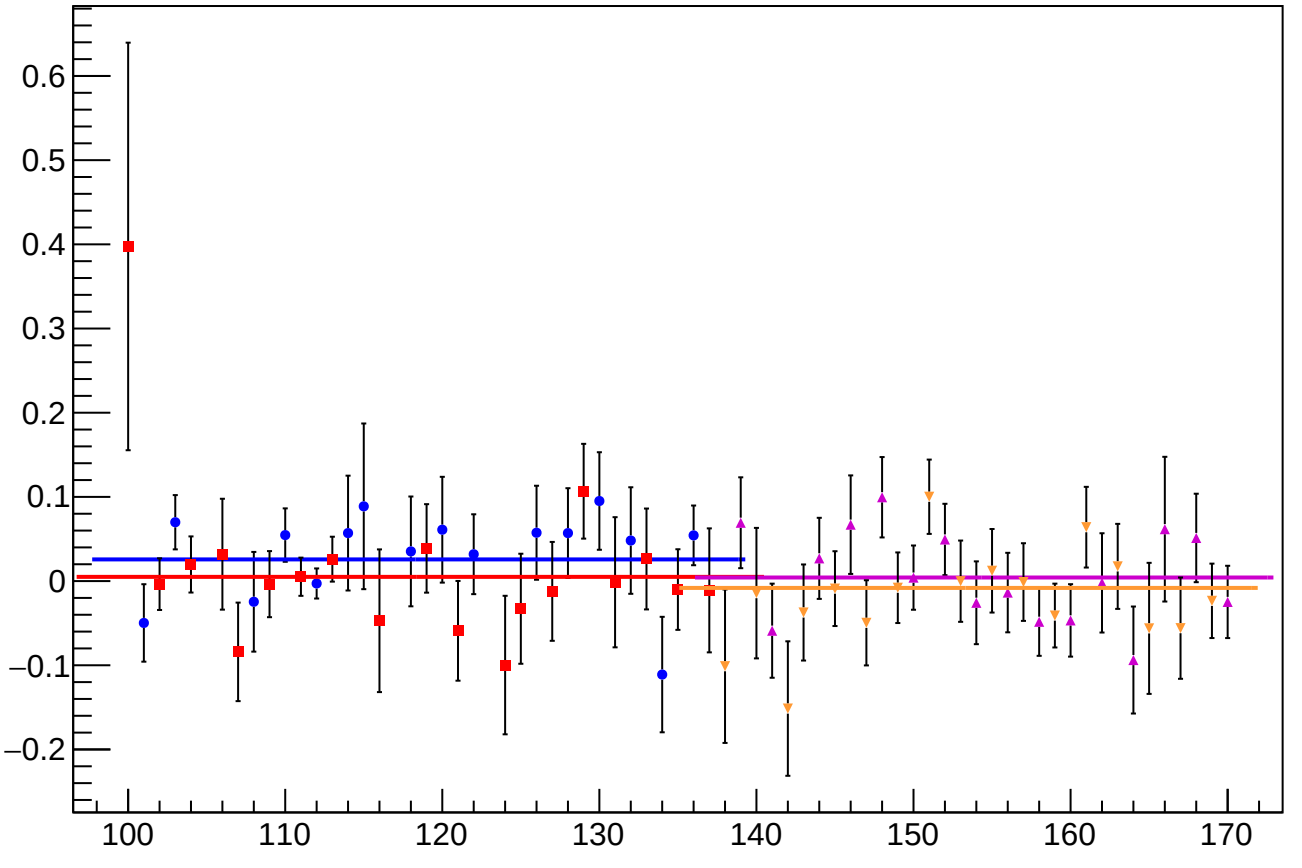
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.7/31

Out: 0.000+/-0.000 χ^2/NDF:61.9/35

All: 0.000+/-0.000 χ^2/NDF: 92.8/67


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:2033903.8/16
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1089343.0/15
Left: 0.002+/-0.000 χ²/NDF: 3211933.3/32
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:8307496.7/31
Out: 0.001+/-0.000 χ²/NDF:10587366.7/35
All: 0.001+/-0.000 χ²/NDF: 19223252.1/67



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/16

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.012 χ^2/NDF:16.9/15

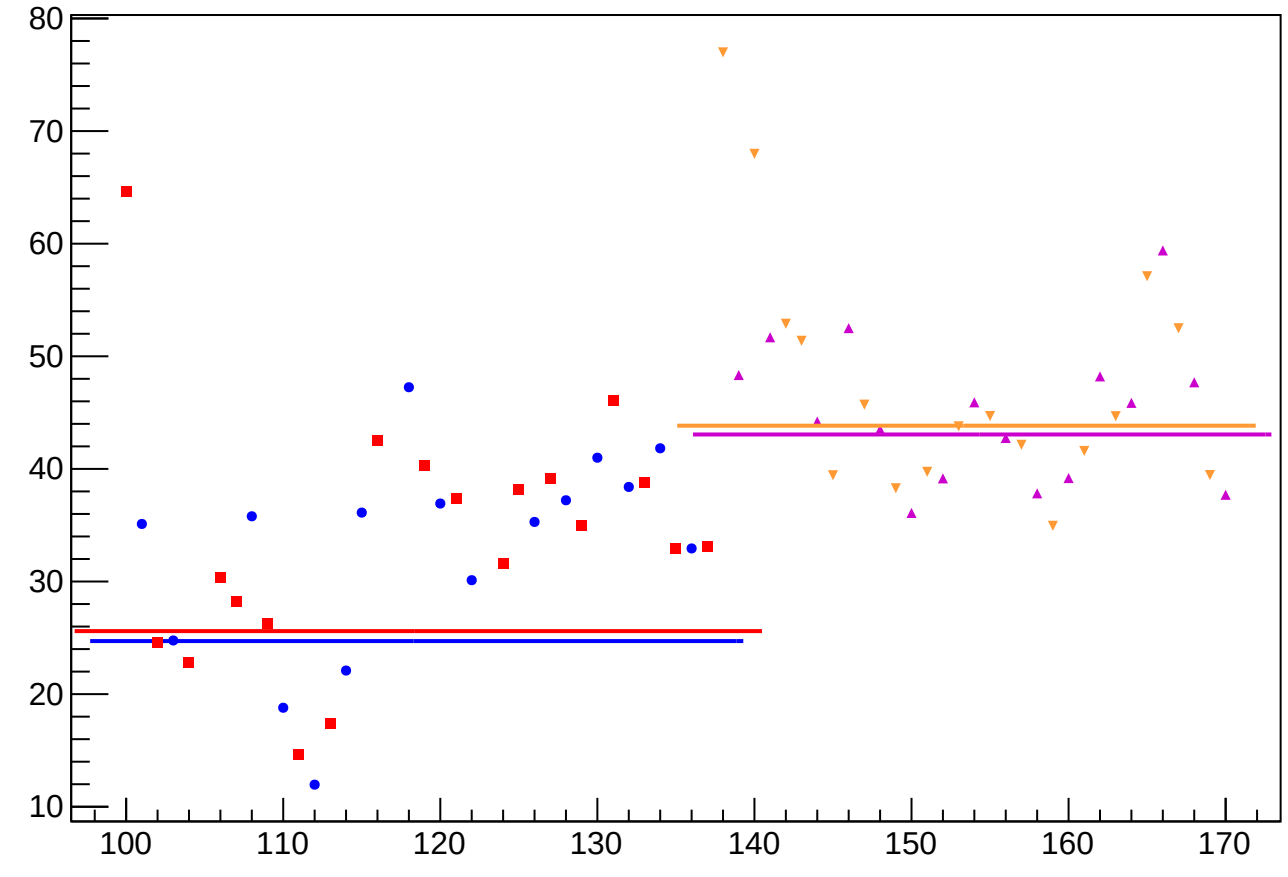
Left: -0.002+/-0.009 χ^2/NDF: 33.3/32

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.000+/-0.008 χ^2/NDF:30.1/35

All: 0.008+/-0.006 χ^2/NDF: 67.7/67



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.839+/-0.009 χ^2/NDF:831340.5/16

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.057+/-0.009 χ^2/NDF:398372.8/15

Left: 43.444+/-0.006 χ^2/NDF: 1233731.9/32

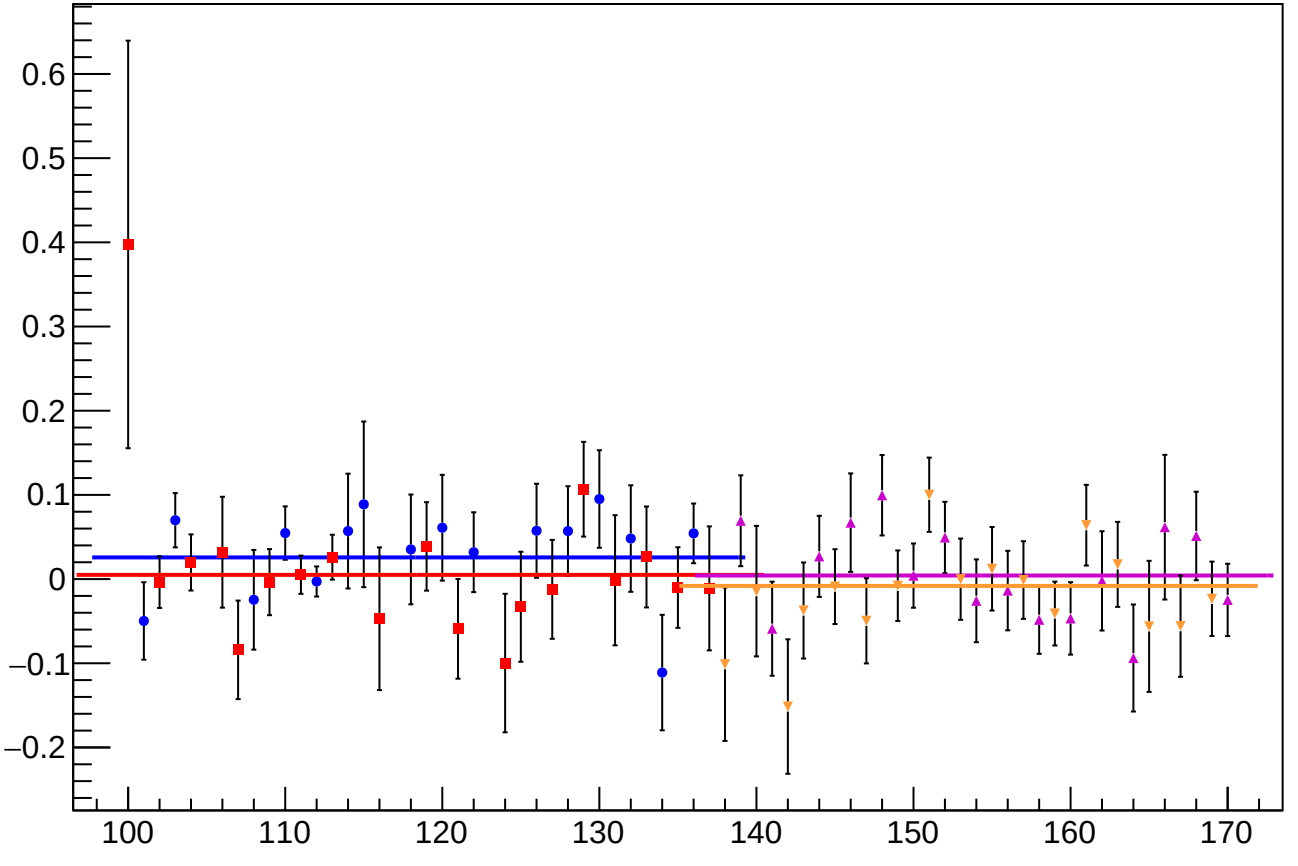
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.354+/-0.006 χ^2/NDF:5308023.8/31

Out: 33.091+/-0.006 χ^2/NDF:4990117.4/35

All: 32.721+/-0.004 χ^2/NDF: 10306787.1/67

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: -0.008+/-0.012 χ^2/NDF:15.8/16

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.012 χ^2/NDF:16.9/15

Left: -0.002+/-0.009 χ^2/NDF: 33.3/32

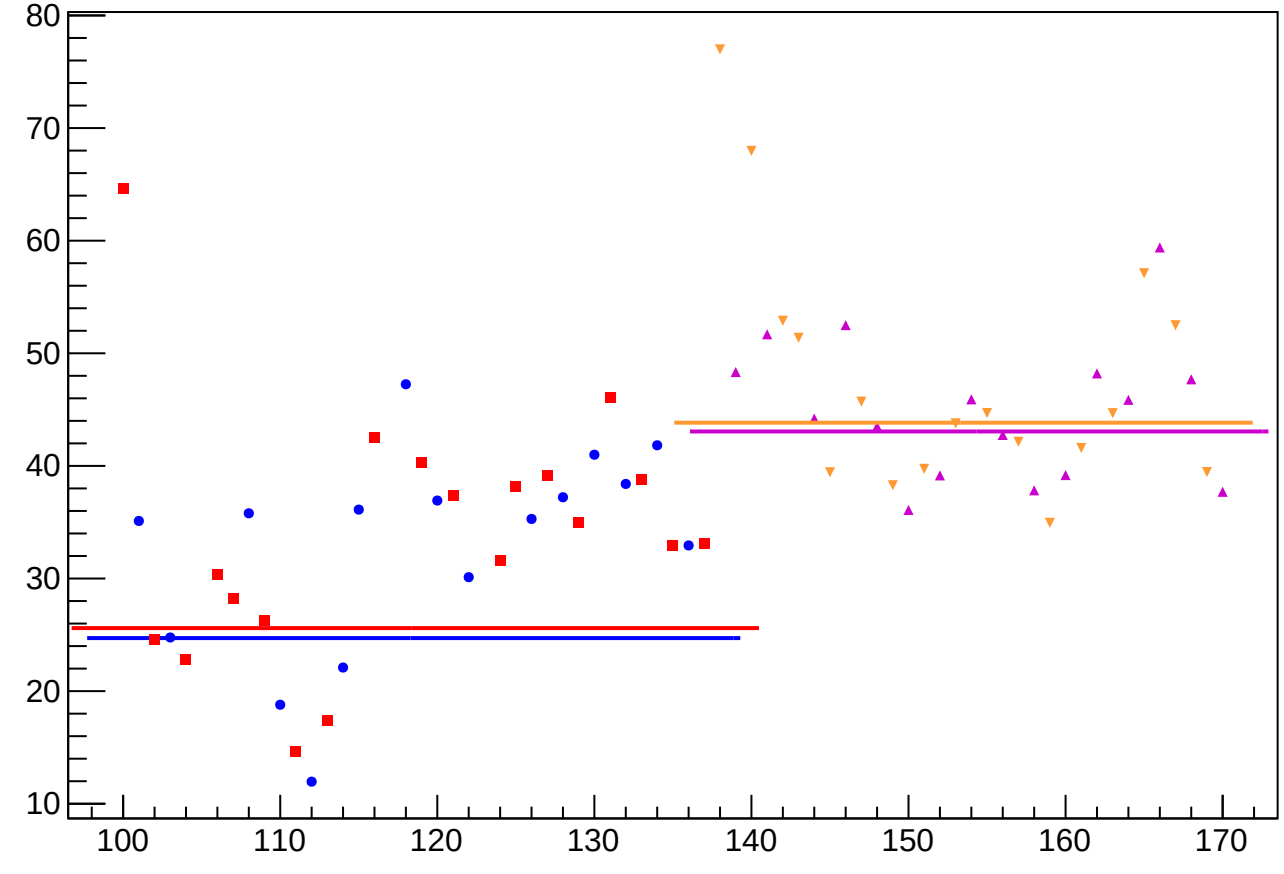
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.000+/-0.008 χ^2/NDF:30.1/35

All: 0.008+/-0.006 χ^2/NDF: 67.7/67

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: 43.839+/-0.009 χ^2/NDF:831340.5/16

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.057+/-0.009 χ^2/NDF:398372.8/15

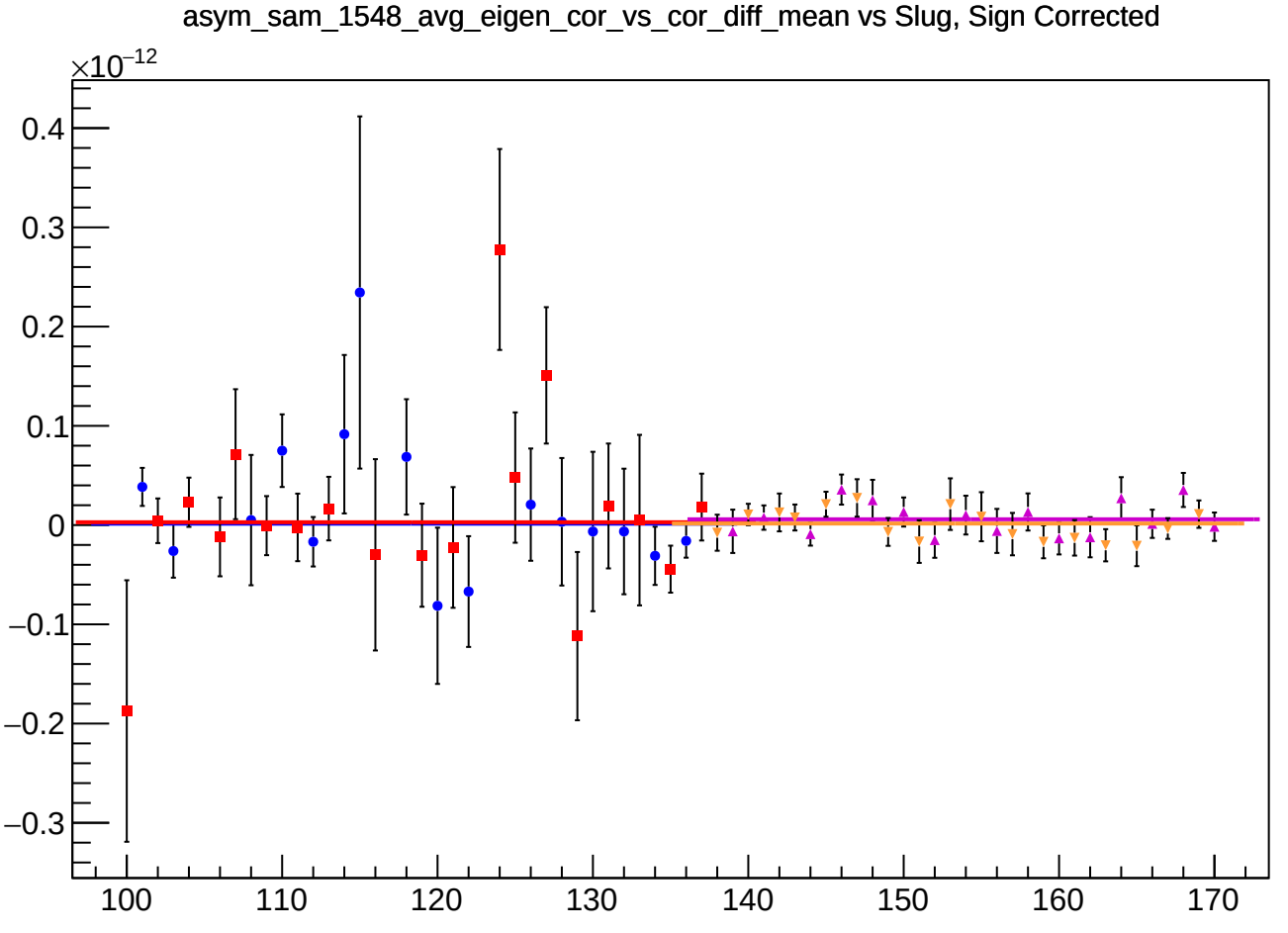
Left: 43.444+/-0.006 χ^2/NDF: 1233731.9/32

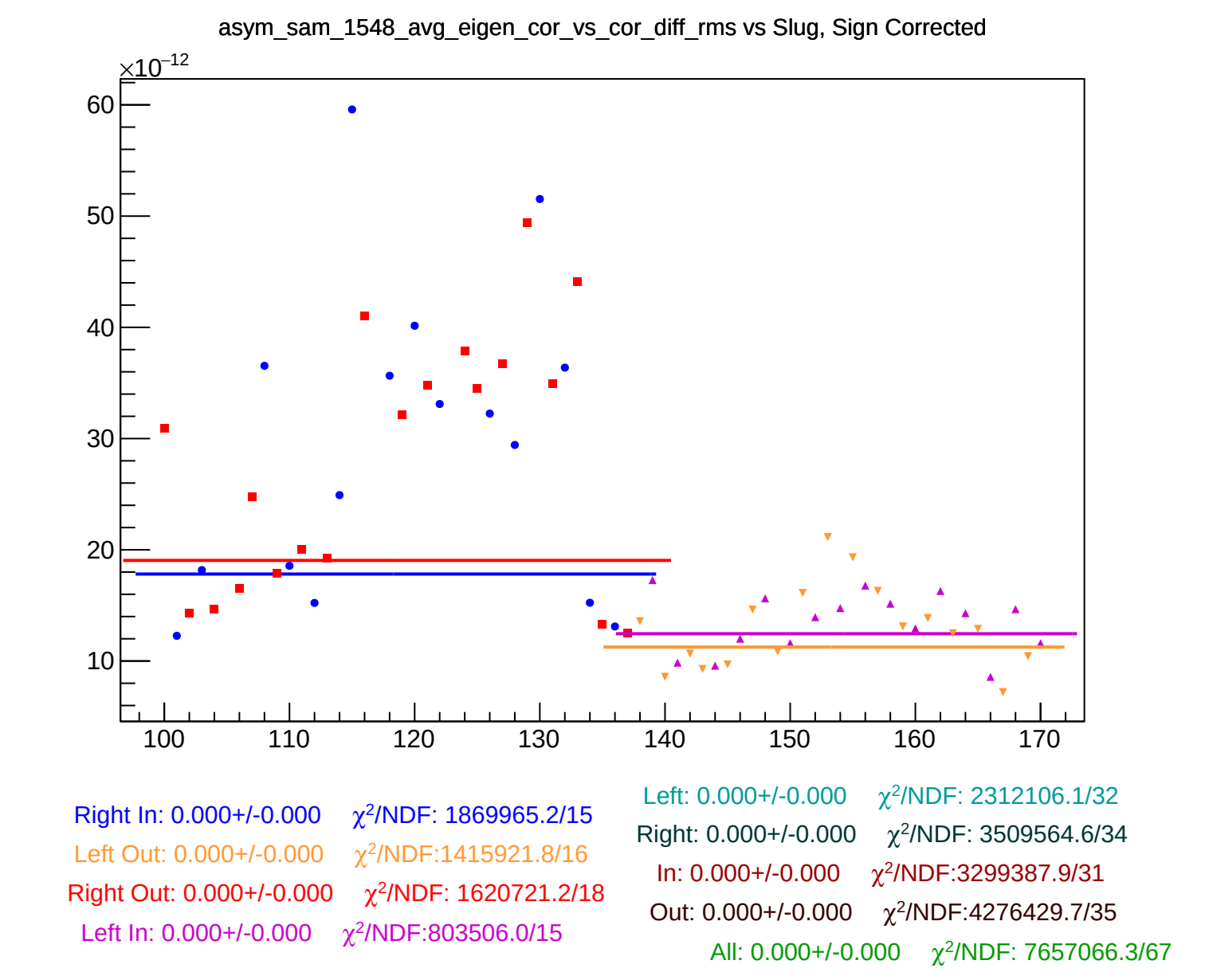
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

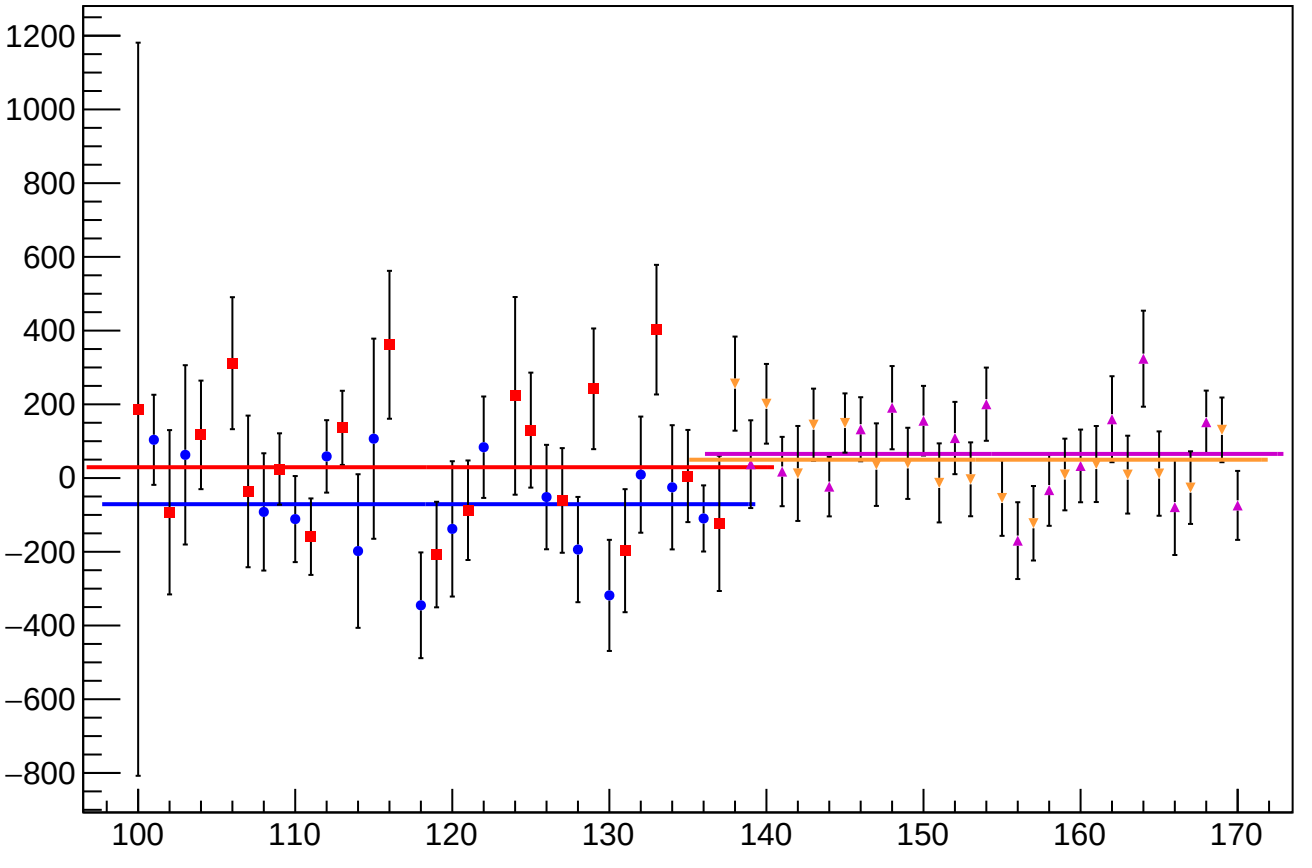
In: 32.354+/-0.006 χ^2/NDF:5308023.8/31

Out: 33.091+/-0.006 χ^2/NDF:4990117.4/35

All: 32.721+/-0.004 χ^2/NDF: 10306787.1/67


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:15.4/15
Left: 0.000+/-0.000 χ²/NDF: 29.3/32
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:34.3/31
Out: 0.000+/-0.000 χ²/NDF:36.9/35
All: 0.000+/-0.000 χ²/NDF: 71.6/67


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1415921.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:803506.0/15
Left: 0.000+/-0.000 χ²/NDF: 2312106.1/32
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3299387.9/31
Out: 0.000+/-0.000 χ²/NDF:4276429.7/35
All: 0.000+/-0.000 χ²/NDF: 7657066.3/67



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.761+/-24.756 χ^2/NDF:13.6/16

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 65.507+/-24.928 χ^2/NDF:21.6/15

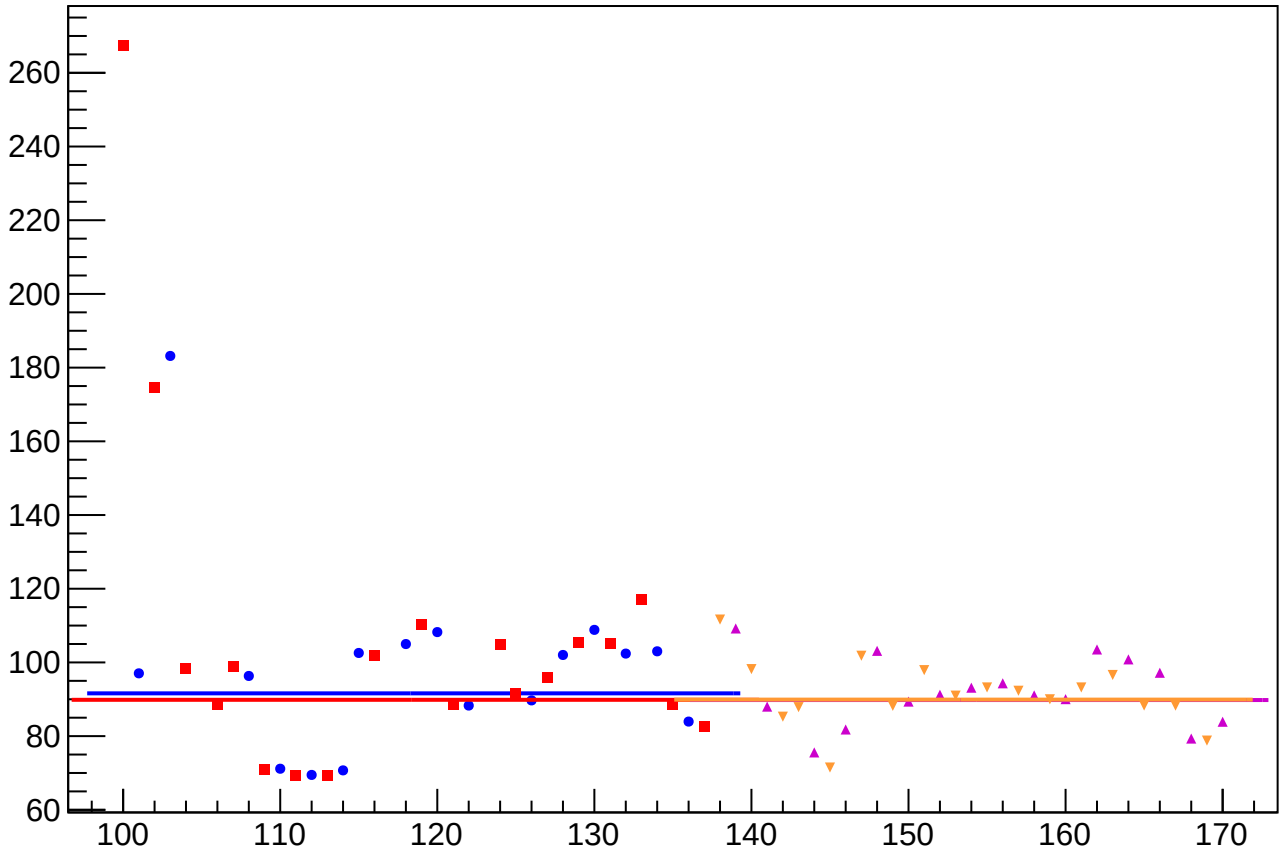
Left: 57.579+/-17.566 χ^2/NDF: 35.4/32

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 19.813+/-20.328 χ^2/NDF:45.7/31

Out: 42.775+/-20.062 χ^2/NDF:37.9/35

All: 31.446+/-14.279 χ^2/NDF: 84.2/67



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.907+/-0.018 χ^2/NDF:259267.3/16

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

Left: 89.850+/-0.012 χ^2/NDF: 513261.2/32

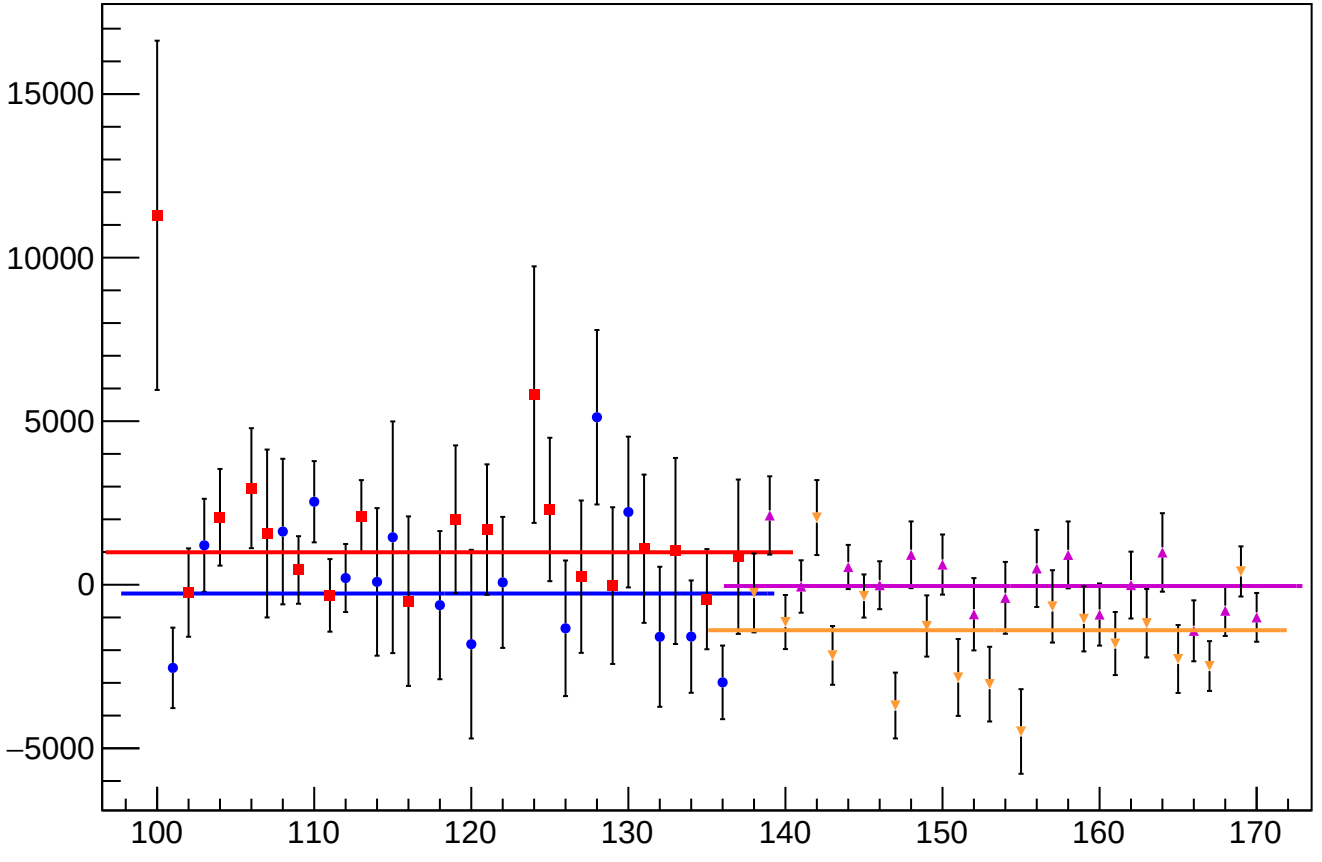
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.400+/-0.014 χ^2/NDF:838200.5/31

Out: 89.889+/-0.014 χ^2/NDF:1005559.4/35

All: 90.141+/-0.010 χ^2/NDF: 1844401.7/67

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1390.926+/-230.408 χ^2/NDF:36.9/16

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -39.309+/-228.391 χ^2/NDF:13.5/15

Left: -709.177+/-162.205 χ^2/NDF: 67.8/32

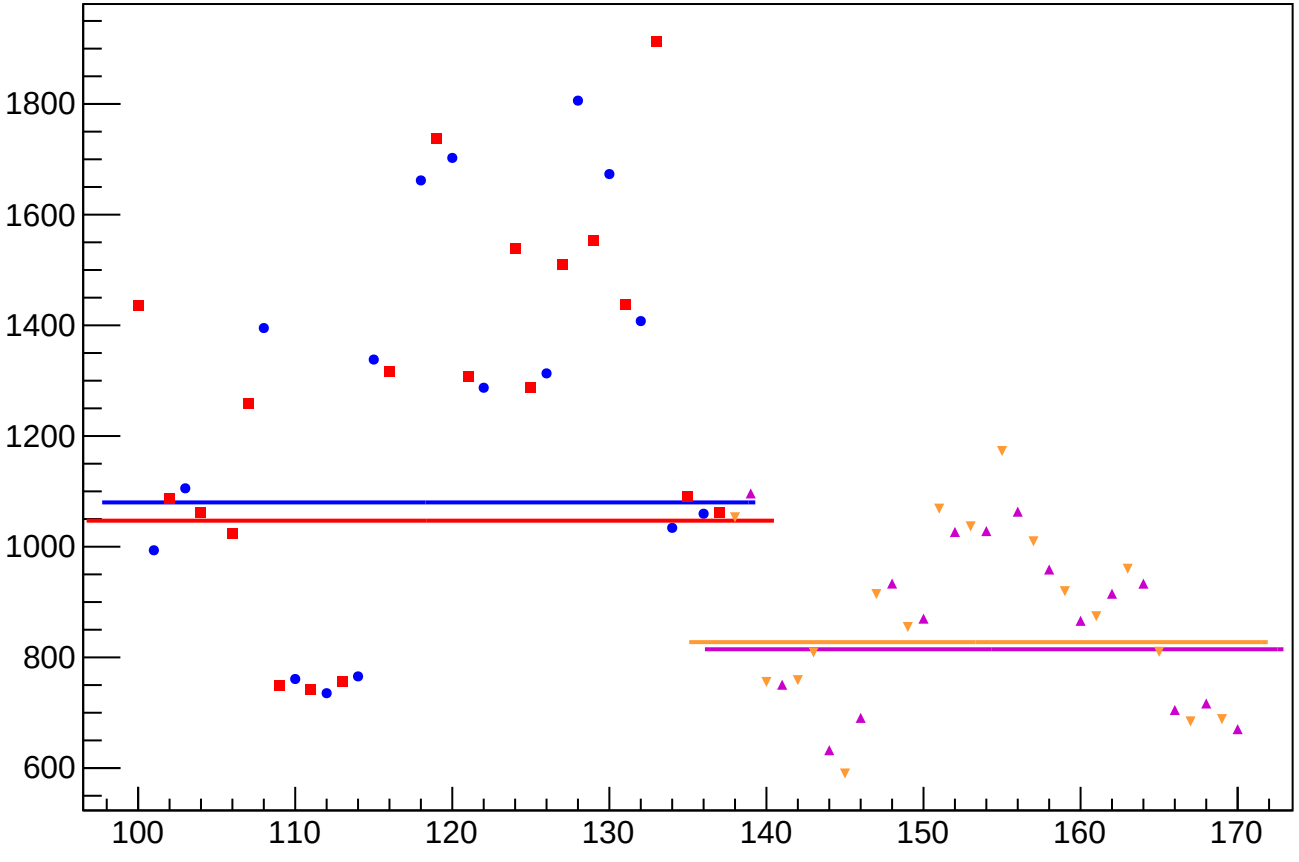
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -91.692+/-200.598 χ^2/NDF:37.2/31

Out: -798.921+/-199.756 χ^2/NDF:76.1/35

All: -446.794+/-141.546 χ^2/NDF: 119.6/67

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 827.568+/-0.163 χ^2/NDF:907898.3/16

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 814.685+/-0.161 χ^2/NDF:818473.0/15

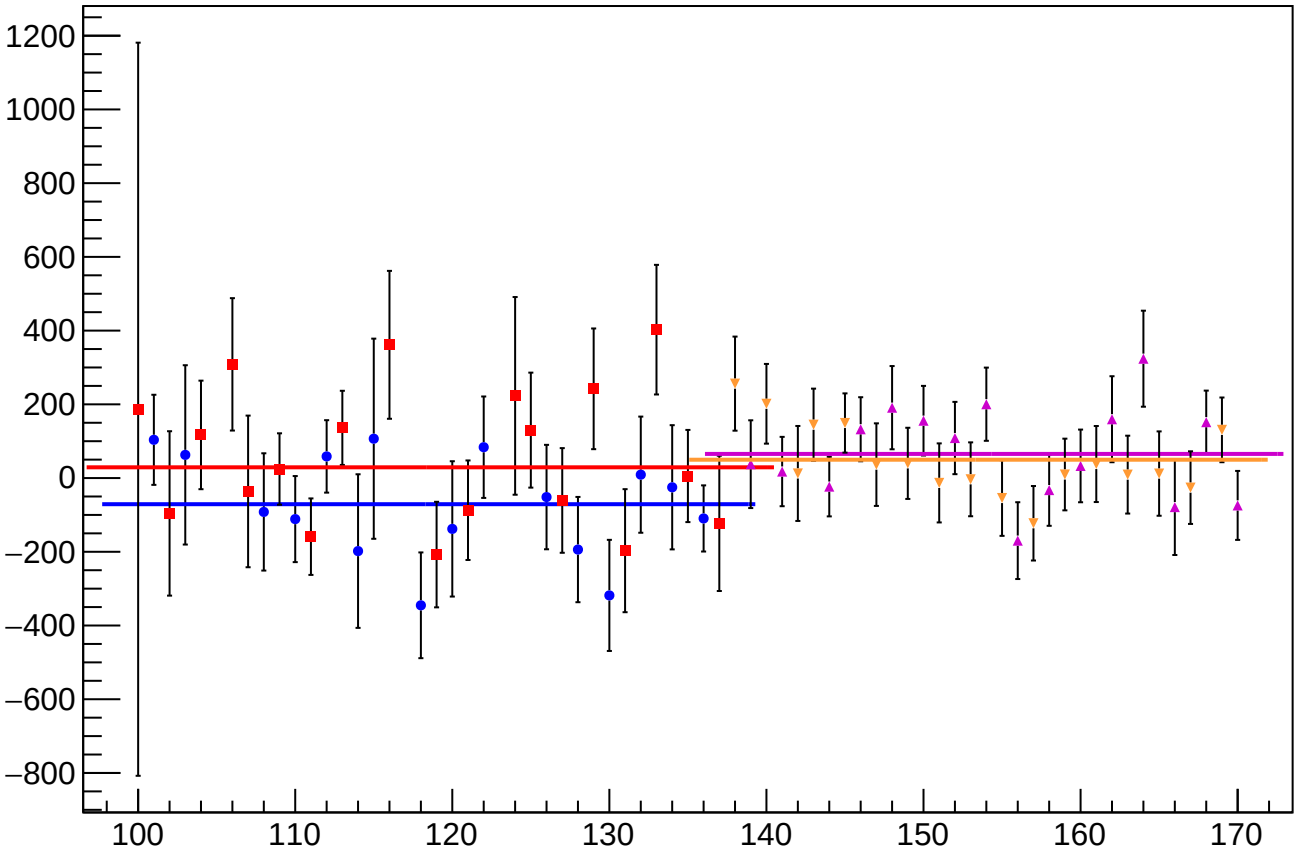
Left: 821.070+/-0.115 χ^2/NDF: 1729525.3/32

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 875.339+/-0.142 χ^2/NDF:2489063.3/31

Out: 882.084+/-0.141 χ^2/NDF:2557356.7/35

All: 878.726+/-0.100 χ^2/NDF: 5047555.3/67



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.766+/-24.756 χ^2/NDF:13.6/16

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 65.505+/-24.928 χ^2/NDF:21.6/15

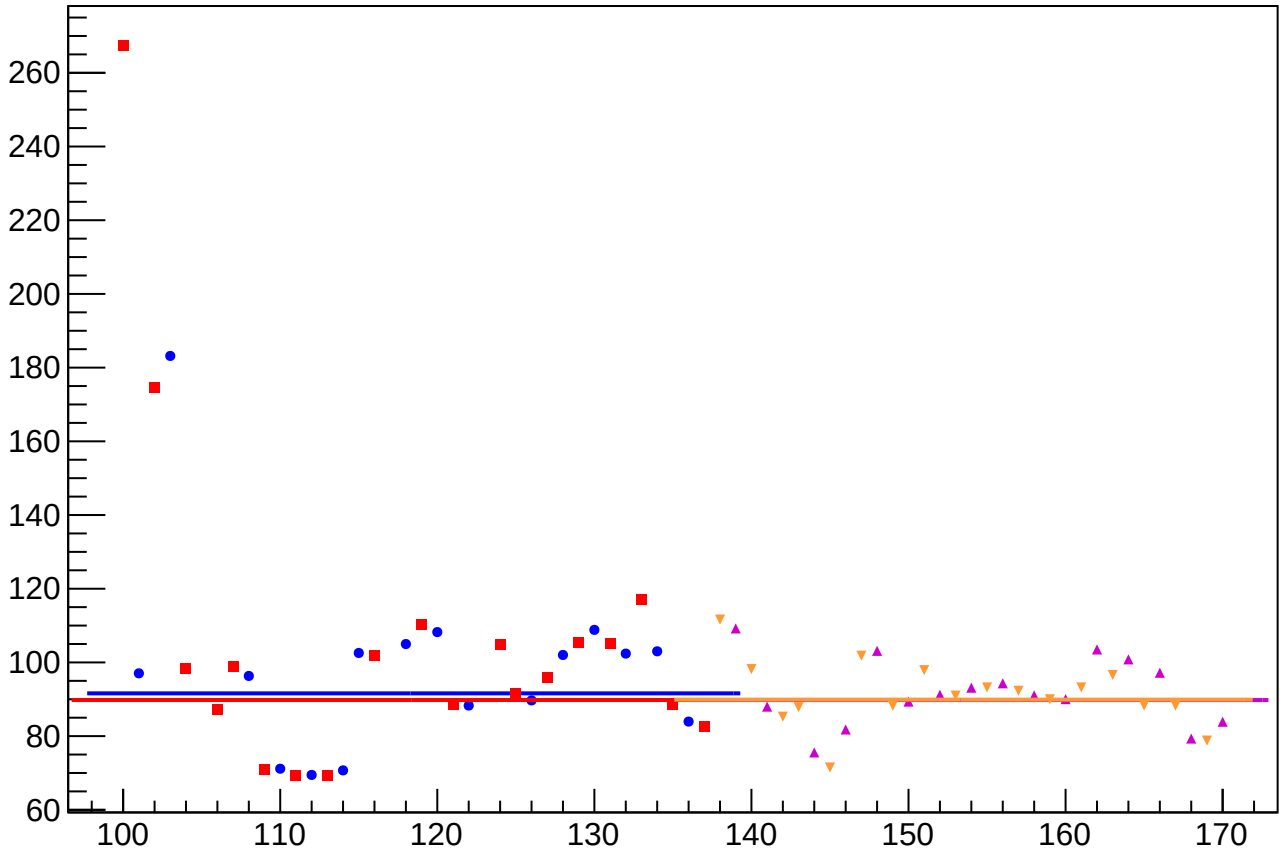
Left: 57.581+/-17.566 χ^2/NDF: 35.4/32

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.808+/-20.328 χ^2/NDF:45.7/31

Out: 42.694+/-20.063 χ^2/NDF:37.8/35

All: 31.401+/-14.280 χ^2/NDF: 84.1/67



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.907+/-0.018 χ^2/NDF:259267.3/16

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

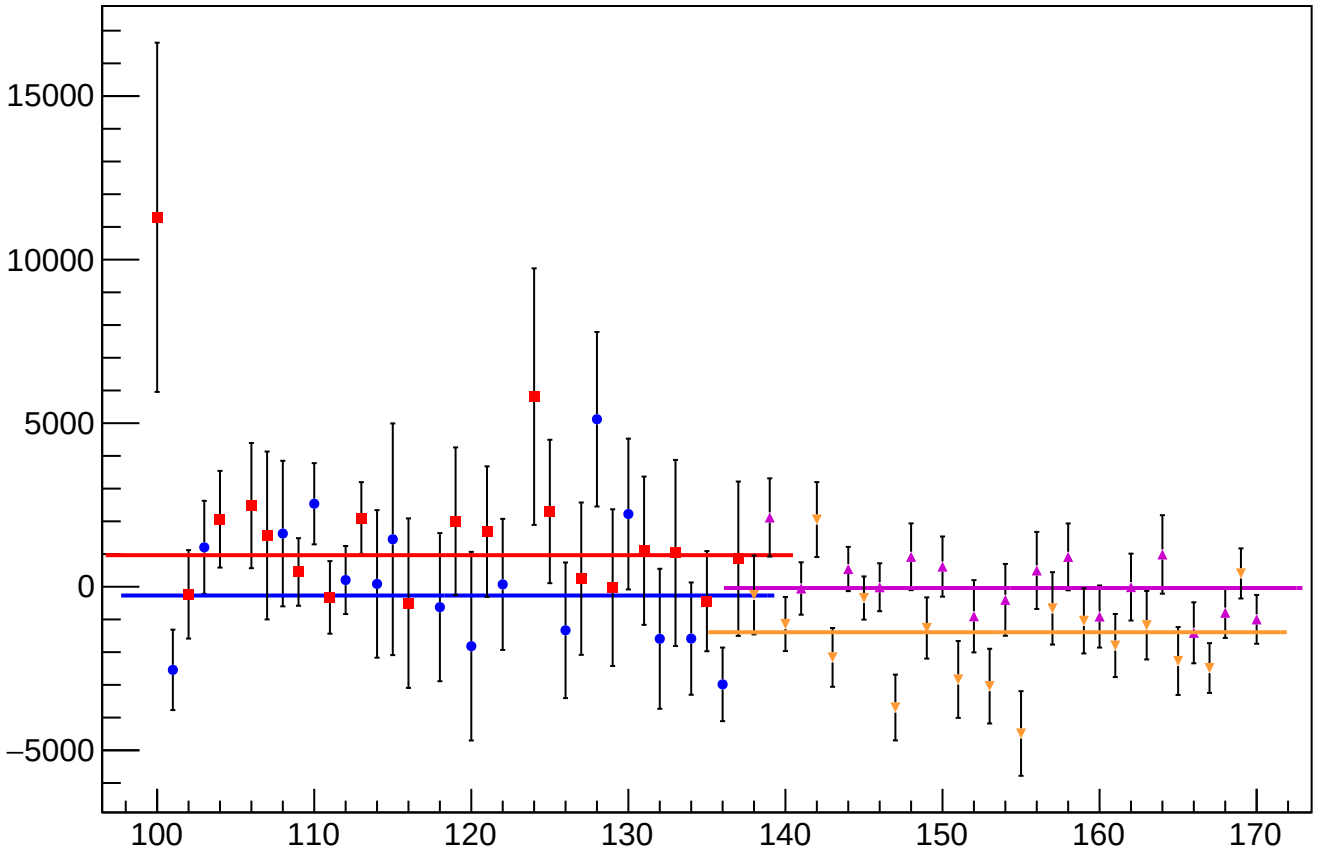
Left: 89.850+/-0.012 χ^2/NDF: 513261.2/32

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.400+/-0.014 χ^2/NDF:838203.6/31

Out: 89.873+/-0.014 χ^2/NDF:1006111.9/35

All: 90.133+/-0.010 χ^2/NDF: 1844998.7/67



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1390.918+/-230.408 χ^2/NDF:36.9/16

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -39.304+/-228.391 χ^2/NDF:13.5/15

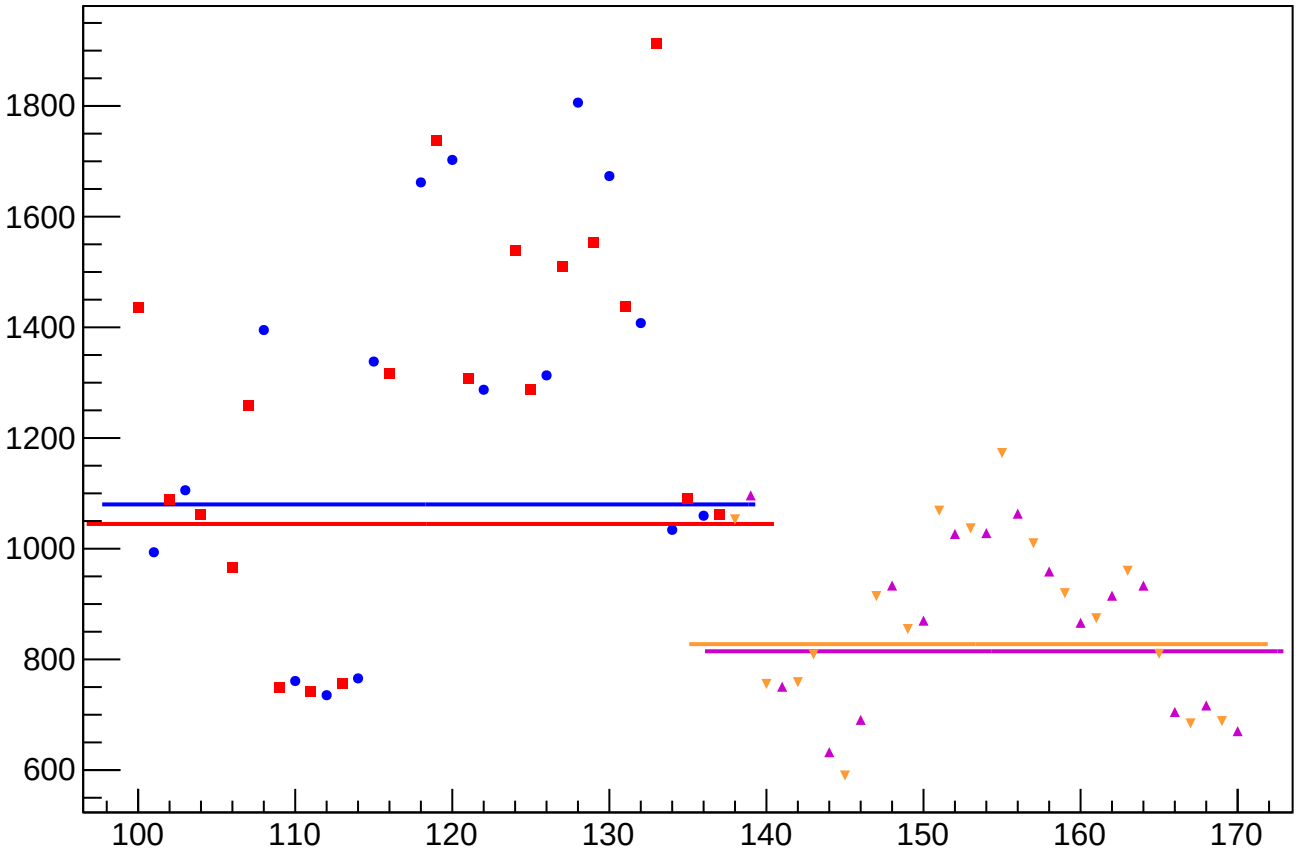
Left: -709.171+/-162.205 χ^2/NDF: 67.8/32

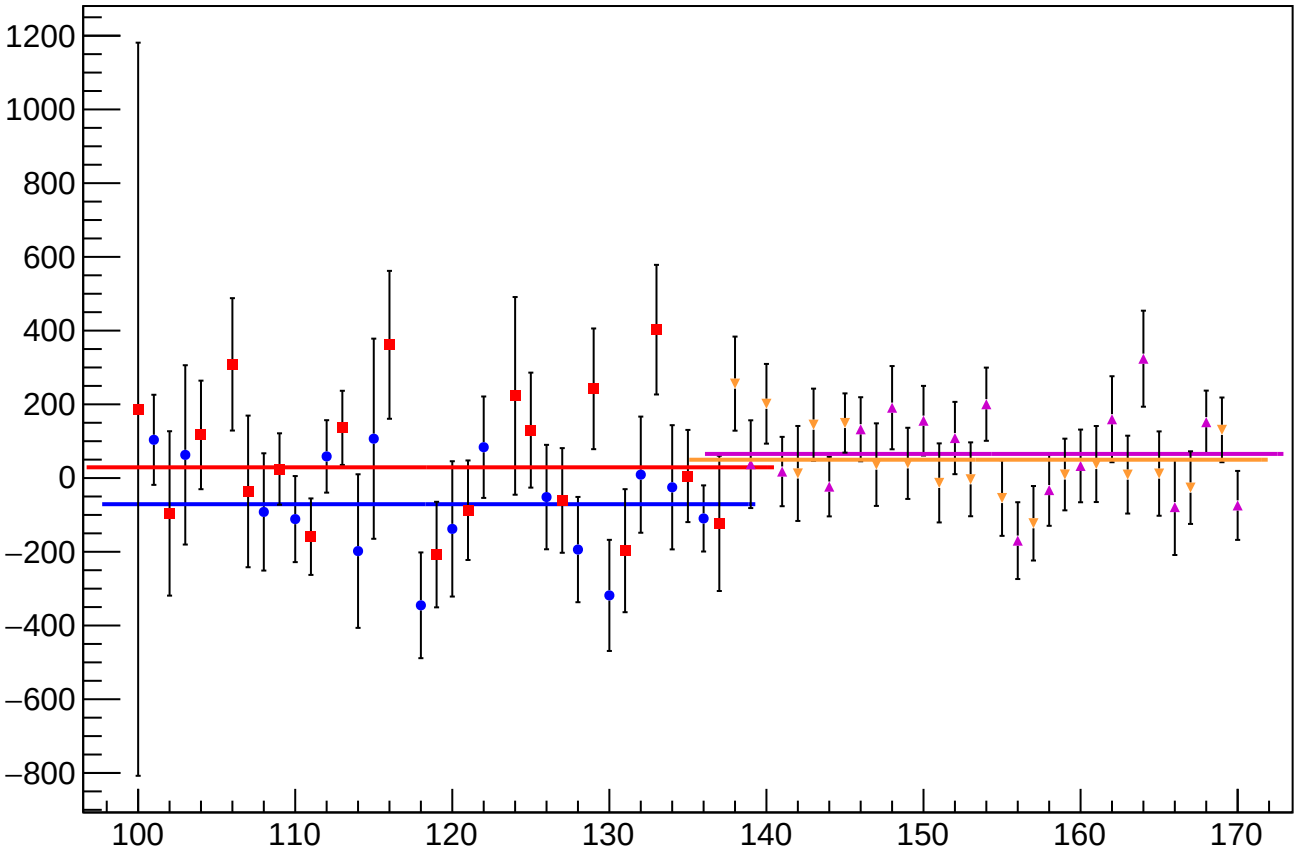
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -91.693+/-200.598 χ^2/NDF:37.2/31

Out: -807.562+/-199.856 χ^2/NDF:74.9/35

All: -450.955+/-141.581 χ^2/NDF: 118.5/67


asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
100
110
120
130
140
150
160
170
Right In: 1080.054+/-0.297 χ²/NDF: 1053475.0/15
Left Out: 827.568+/-0.163 χ²/NDF:907900.2/16
Right Out: 1044.717+/-0.284 χ²/NDF: 1201825.8/18
Left In: 814.685+/-0.161 χ²/NDF:818470.9/15
Left: 821.070+/-0.115 χ²/NDF: 1729524.9/32
Right: 1061.613+/-0.205 χ²/NDF: 2262703.7/34
In: 875.341+/-0.142 χ²/NDF:2489099.1/31
Out: 881.337+/-0.141 χ²/NDF:2549598.2/35
All: 878.350+/-0.100 χ²/NDF: 5039594.2/67



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.766+/-24.756 χ^2/NDF:13.6/16

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 65.505+/-24.928 χ^2/NDF:21.6/15

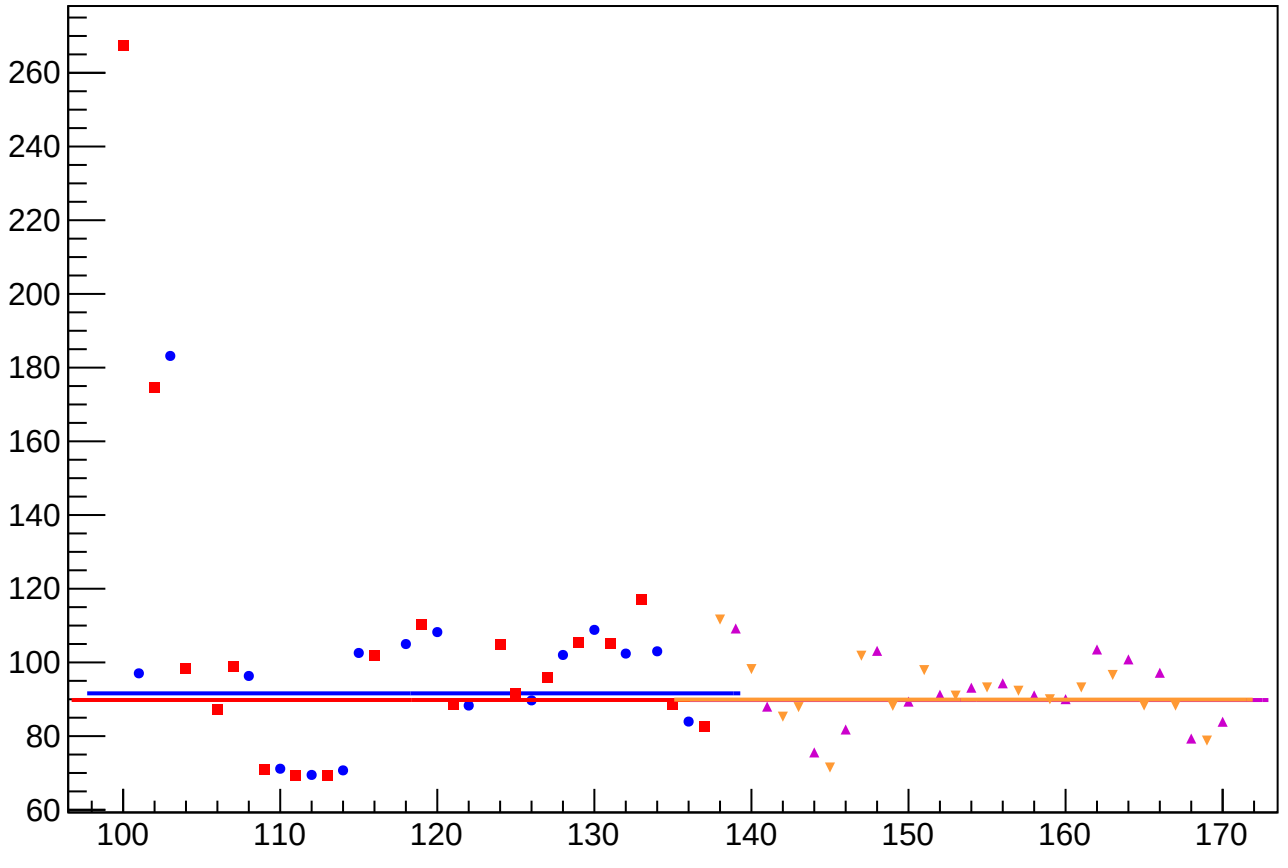
Left: 57.581+/-17.566 χ^2/NDF: 35.4/32

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.808+/-20.328 χ^2/NDF:45.7/31

Out: 42.694+/-20.063 χ^2/NDF:37.8/35

All: 31.401+/-14.280 χ^2/NDF: 84.1/67



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.907+/-0.018 χ^2/NDF:259267.3/16

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

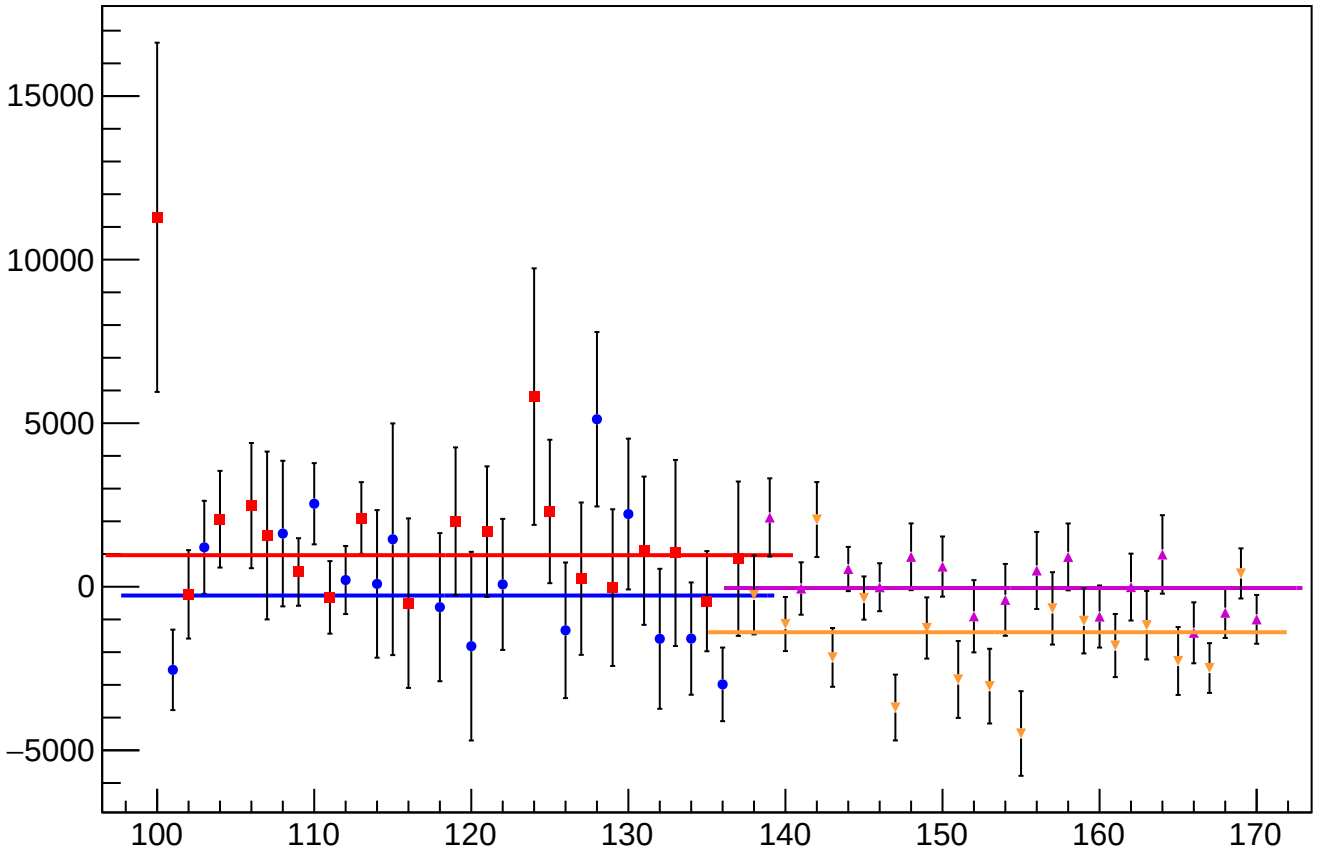
Left: 89.850+/-0.012 χ^2/NDF: 513261.2/32

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.400+/-0.014 χ^2/NDF:838203.6/31

Out: 89.873+/-0.014 χ^2/NDF:1006111.9/35

All: 90.133+/-0.010 χ^2/NDF: 1844998.7/67



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1390.918+/-230.408 χ^2/NDF:36.9/16

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -39.304+/-228.391 χ^2/NDF:13.5/15

Left: -709.171+/-162.205 χ^2/NDF: 67.8/32

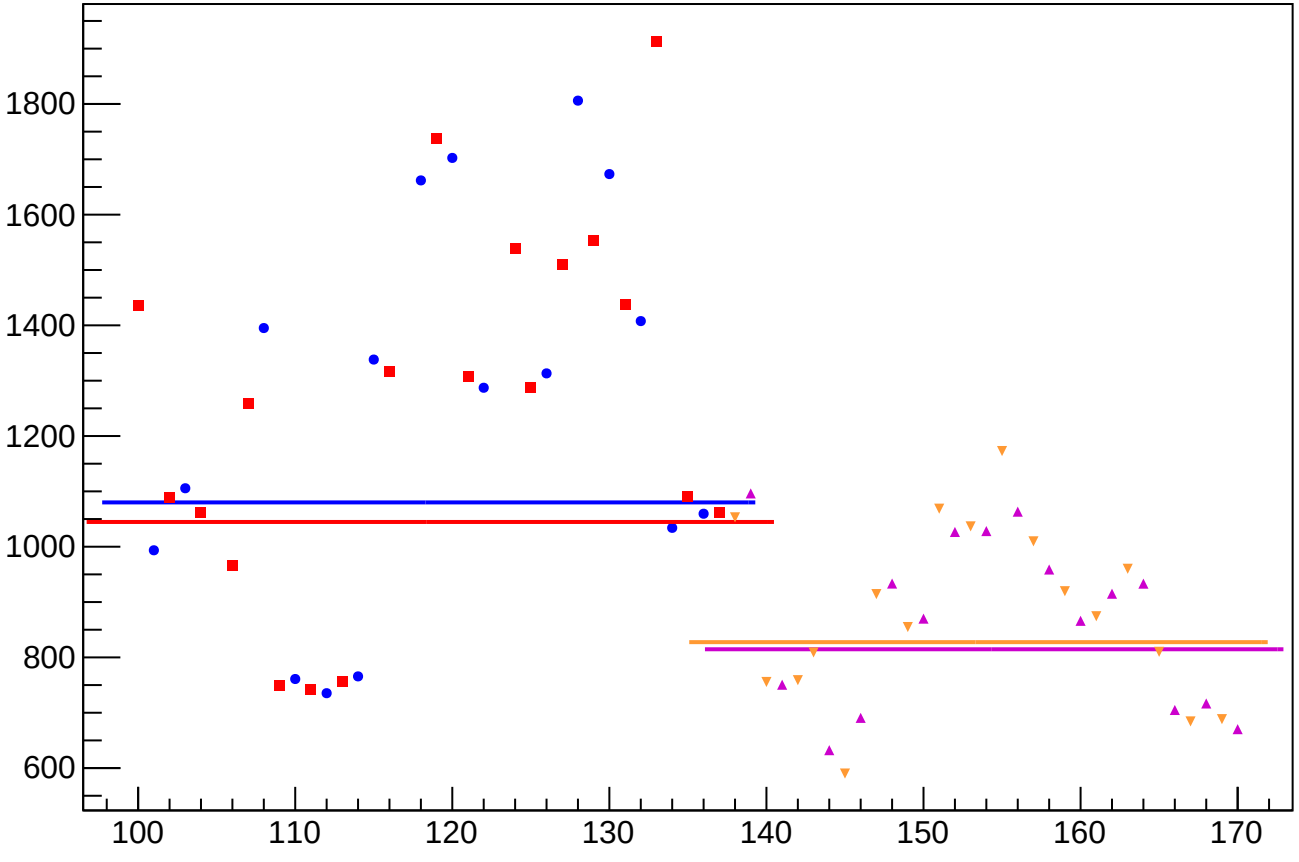
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -91.693+/-200.598 χ^2/NDF:37.2/31

Out: -807.562+/-199.856 χ^2/NDF:74.9/35

All: -450.955+/-141.581 χ^2/NDF: 118.5/67

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 827.568+/-0.163 χ^2/NDF:907900.2/16

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 814.685+/-0.161 χ^2/NDF:818470.9/15

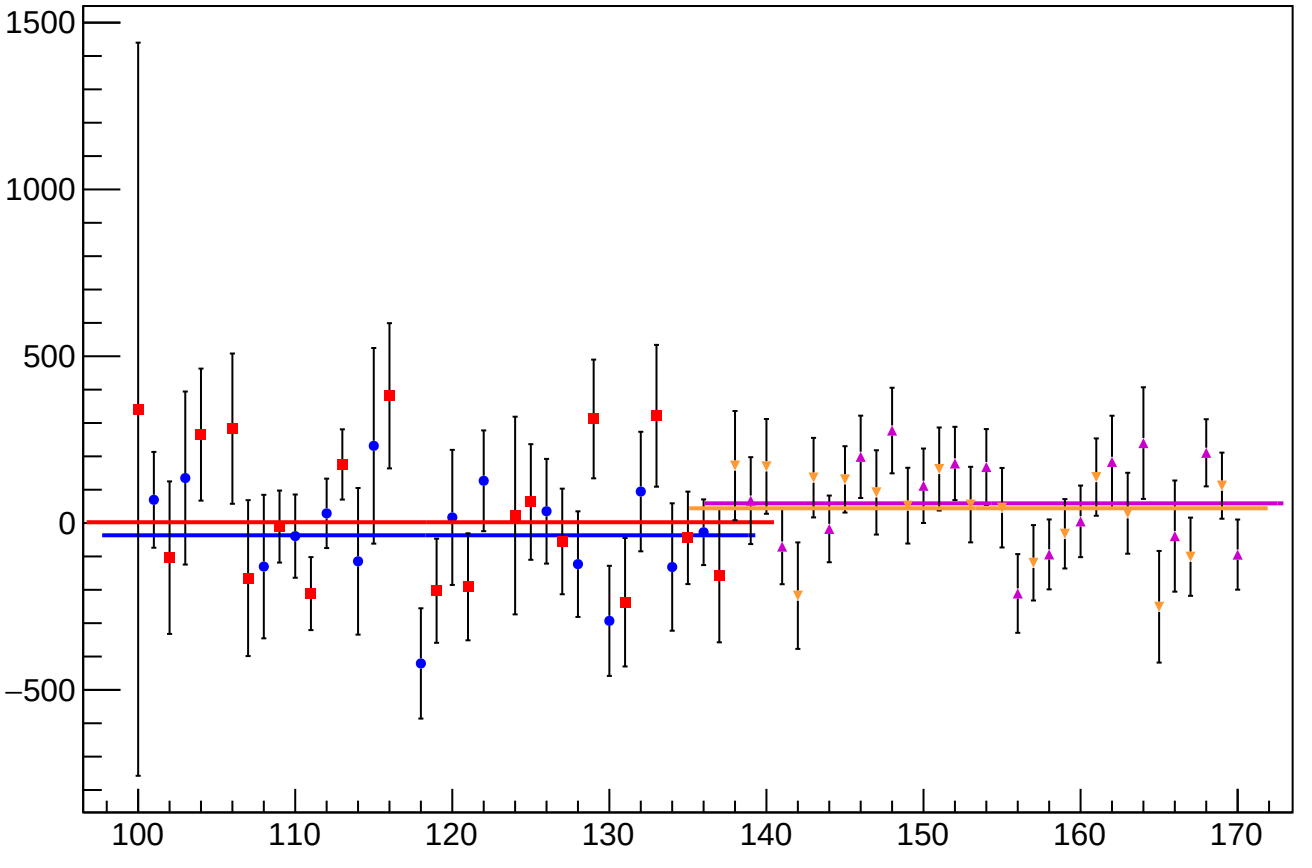
Left: 821.070+/-0.115 χ^2/NDF: 1729524.9/32

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 875.341+/-0.142 χ^2/NDF:2489099.1/31

Out: 881.337+/-0.141 χ^2/NDF:2549598.2/35

All: 878.350+/-0.100 χ^2/NDF: 5039594.2/67



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 44.346+/-29.182 χ^2/NDF:14.9/16

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 59.176+/-29.266 χ^2/NDF:22.8/15

Left: 51.740+/-20.664 χ^2/NDF: 37.8/32

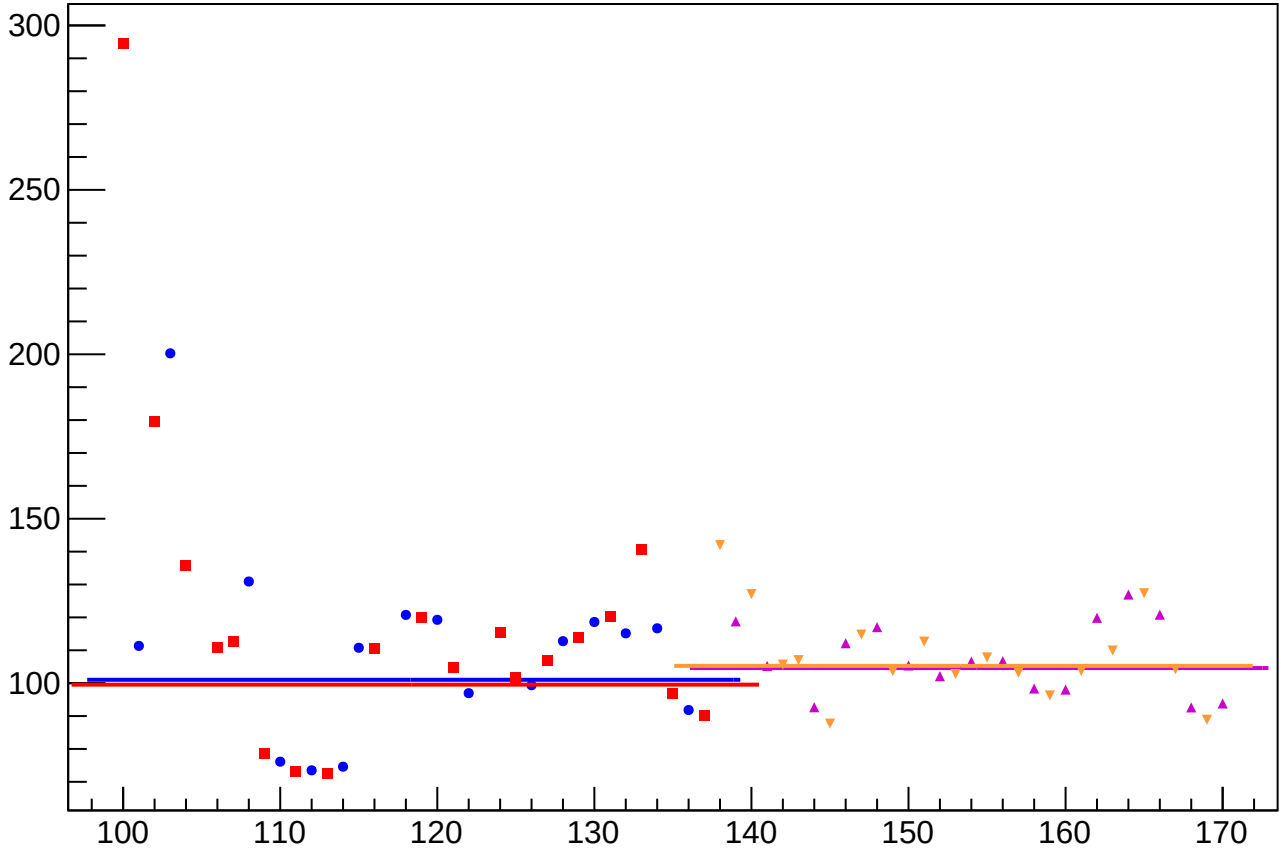
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 24.665+/-23.406 χ^2/NDF:39.5/31

Out: 28.932+/-23.182 χ^2/NDF:40.4/35

All: 26.819+/-16.471 χ^2/NDF: 79.9/67

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.262+/-0.021 χ^2/NDF:339830.9/16

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.595+/-0.021 χ^2/NDF:223712.7/15

Left: 104.930+/-0.015 χ^2/NDF: 564064.5/32

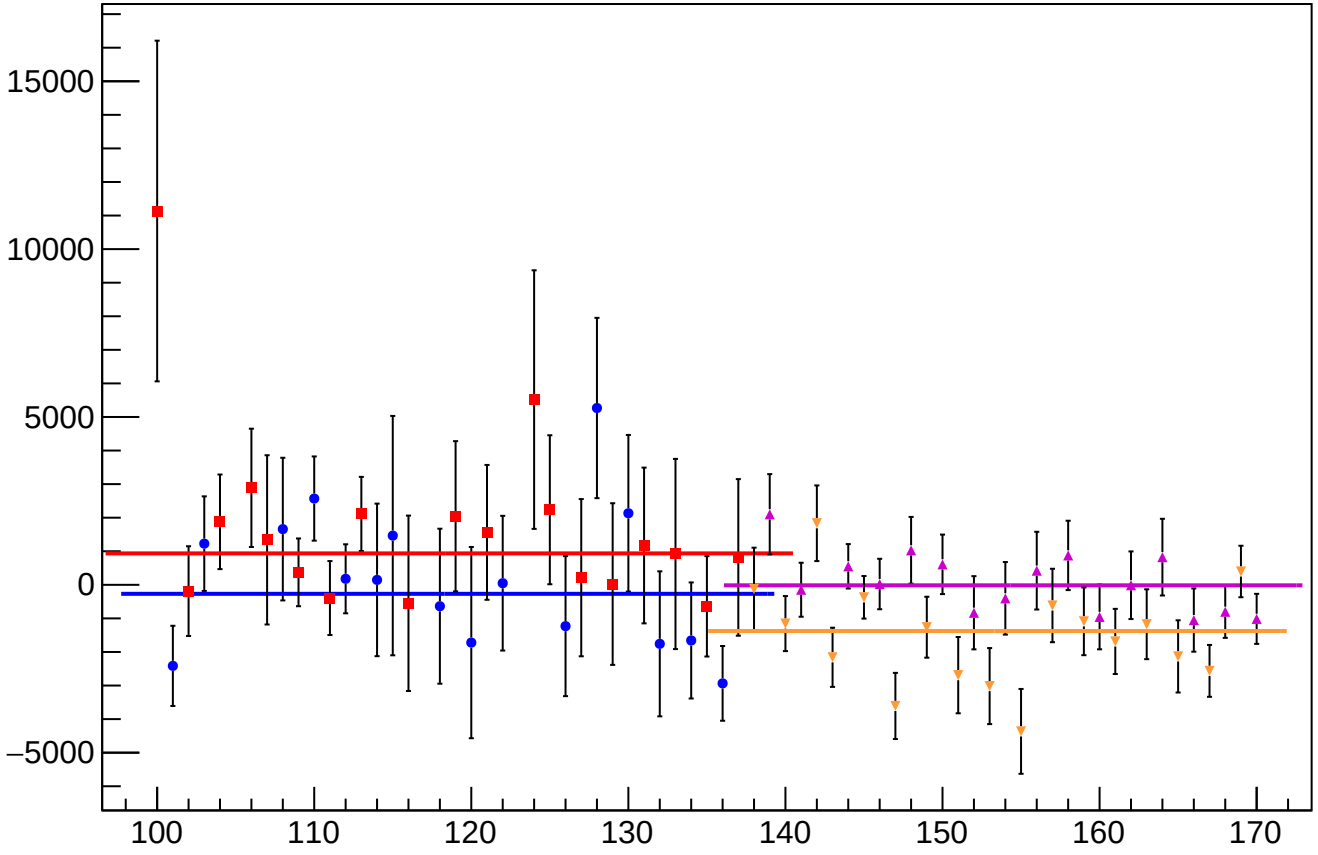
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.311+/-0.017 χ^2/NDF:950497.2/31

Out: 103.154+/-0.016 χ^2/NDF:1248630.3/35

All: 103.231+/-0.012 χ^2/NDF: 2199173.1/67

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1375.819+/-228.322 χ^2/NDF:35.6/16

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: -14.246+/-227.217 χ^2/NDF:12.6/15

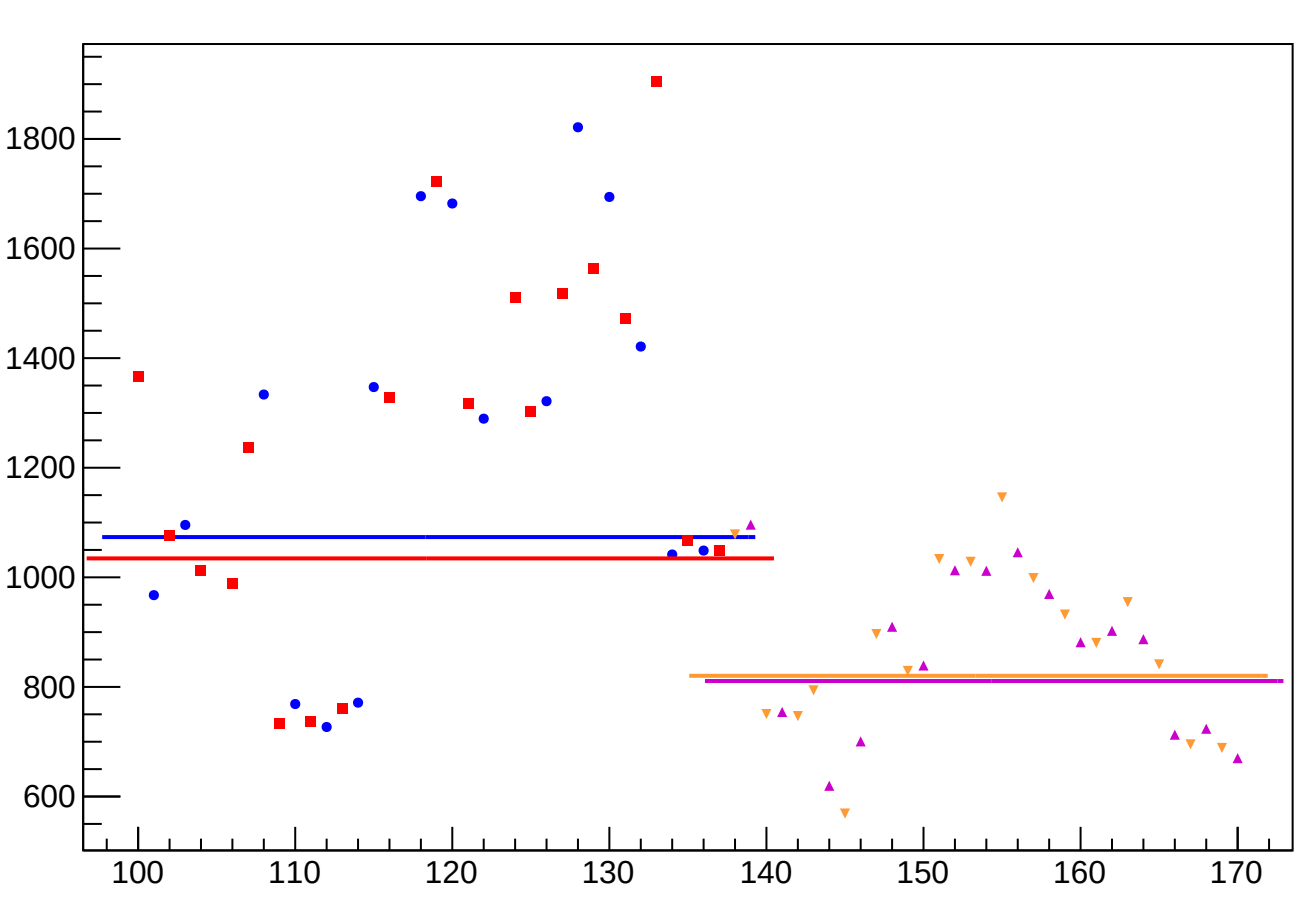
Left: -691.730+/-161.056 χ^2/NDF: 66.1/32

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -72.299+/-199.527 χ^2/NDF:36.3/31

Out: -799.365+/-197.829 χ^2/NDF:74.3/35

All: -438.940+/-140.483 χ^2/NDF: 117.3/67



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 820.331+/-0.161 χ^2/NDF:941015.5/16

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 810.785+/-0.161 χ^2/NDF:777795.8/15

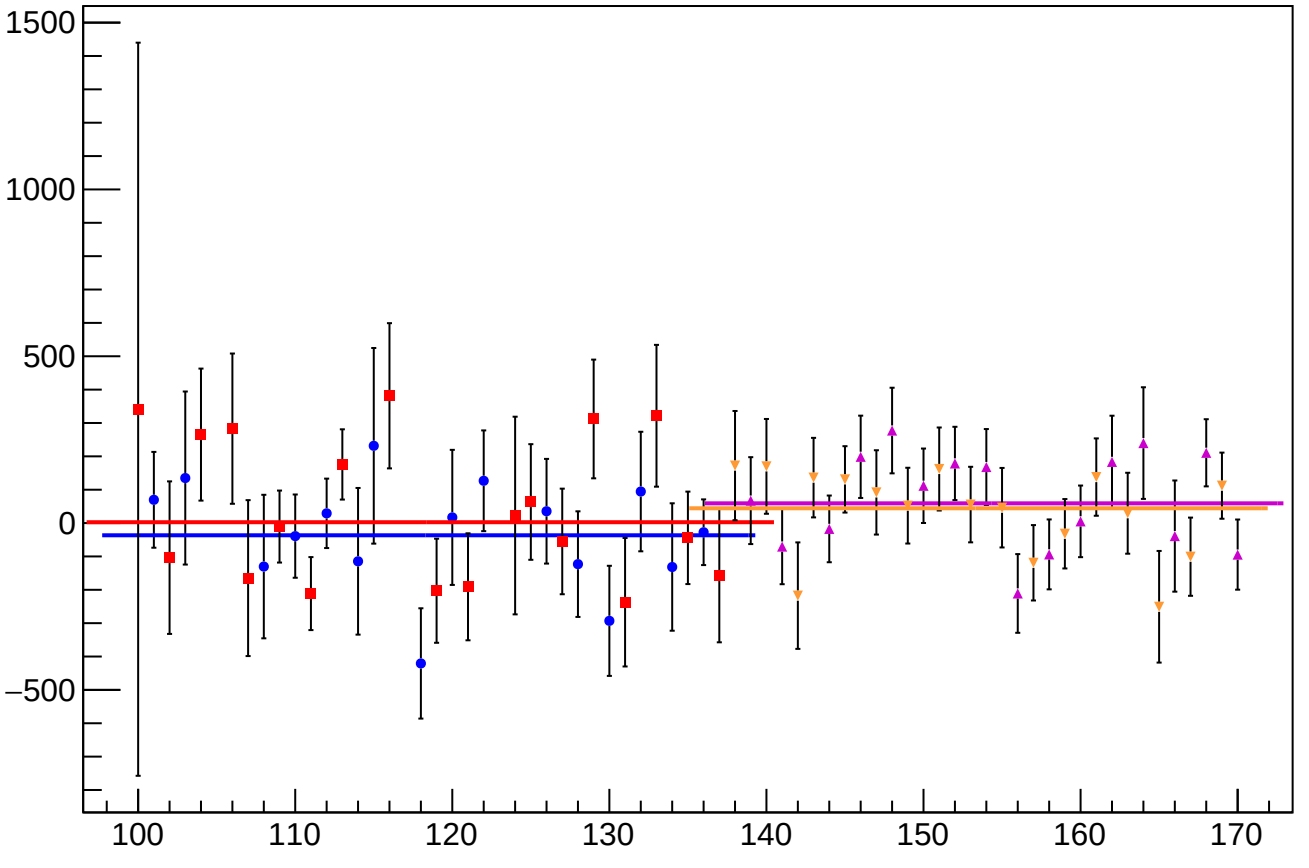
Left: 815.535+/-0.114 χ^2/NDF: 1720568.1/32

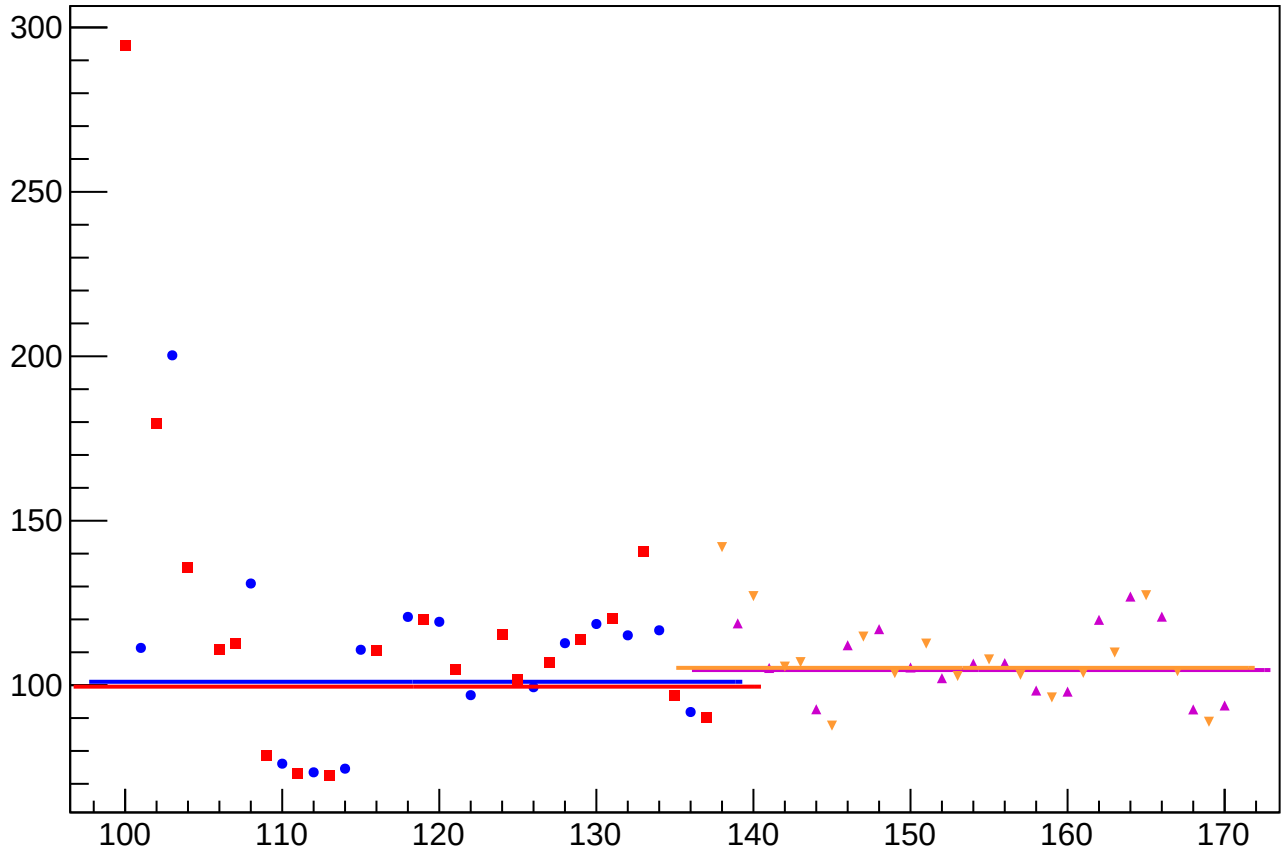
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 870.904+/-0.141 χ^2/NDF:2466606.5/31

Out: 873.726+/-0.140 χ^2/NDF:2609155.2/35

All: 872.327+/-0.099 χ^2/NDF: 5075963.5/67


eigen_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: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 44.348+/-29.182 χ²/NDF:14.9/16
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 59.176+/-29.267 χ²/NDF:22.8/15
Left: 51.740+/-20.665 χ²/NDF: 37.8/32
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 24.665+/-23.406 χ²/NDF:39.5/31
Out: 28.932+/-23.182 χ²/NDF:40.4/35
All: 26.819+/-16.471 χ²/NDF: 79.9/67



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.263+/-0.021 χ^2/NDF:339826.8/16

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.596+/-0.021 χ^2/NDF:223713.1/15

Left: 104.930+/-0.015 χ^2/NDF: 564060.7/32

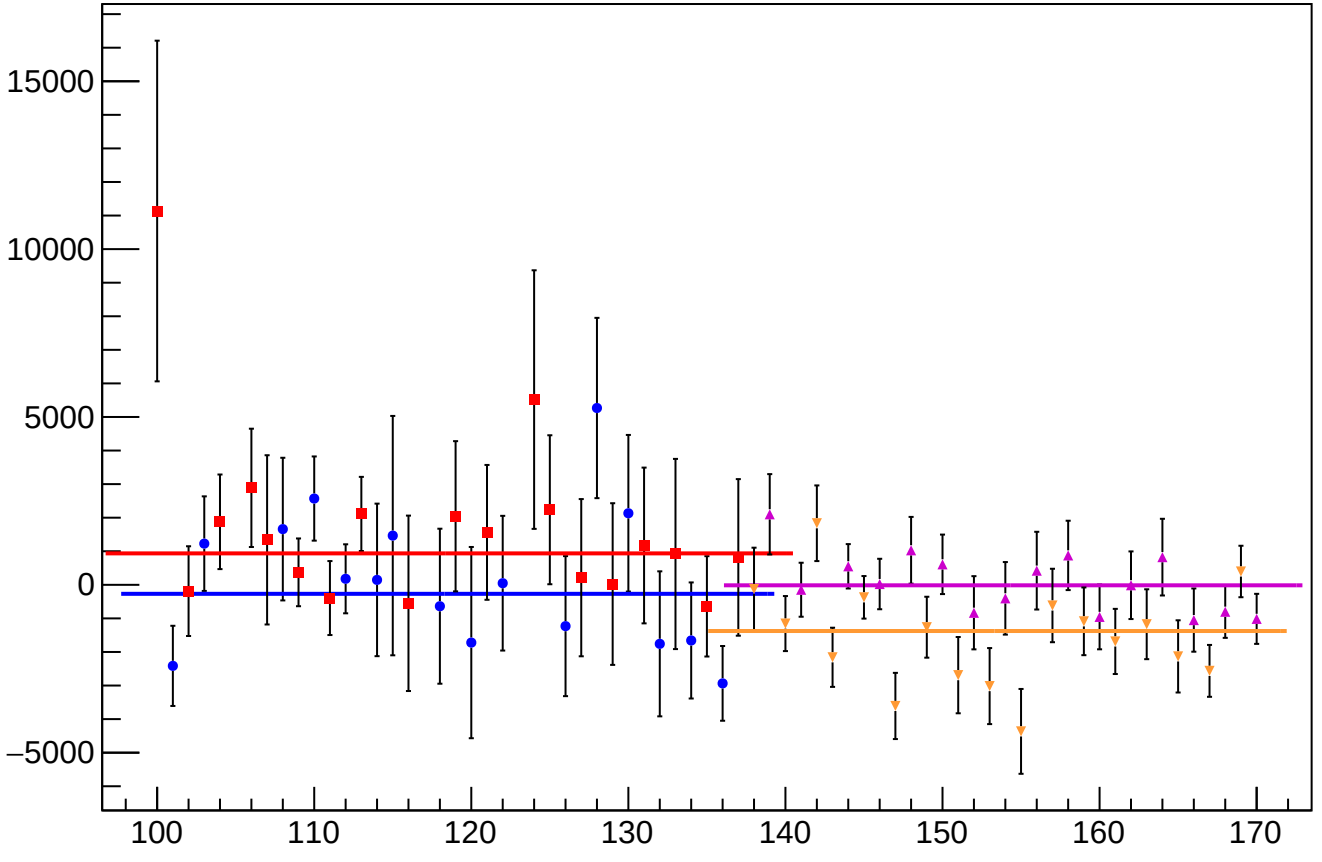
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.311+/-0.017 χ^2/NDF:950497.4/31

Out: 103.154+/-0.016 χ^2/NDF:1248630.5/35

All: 103.232+/-0.012 χ^2/NDF: 2199173.4/67

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: -1375.817+/-228.322 χ^2/NDF:35.6/16

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -14.247+/-227.217 χ^2/NDF:12.6/15

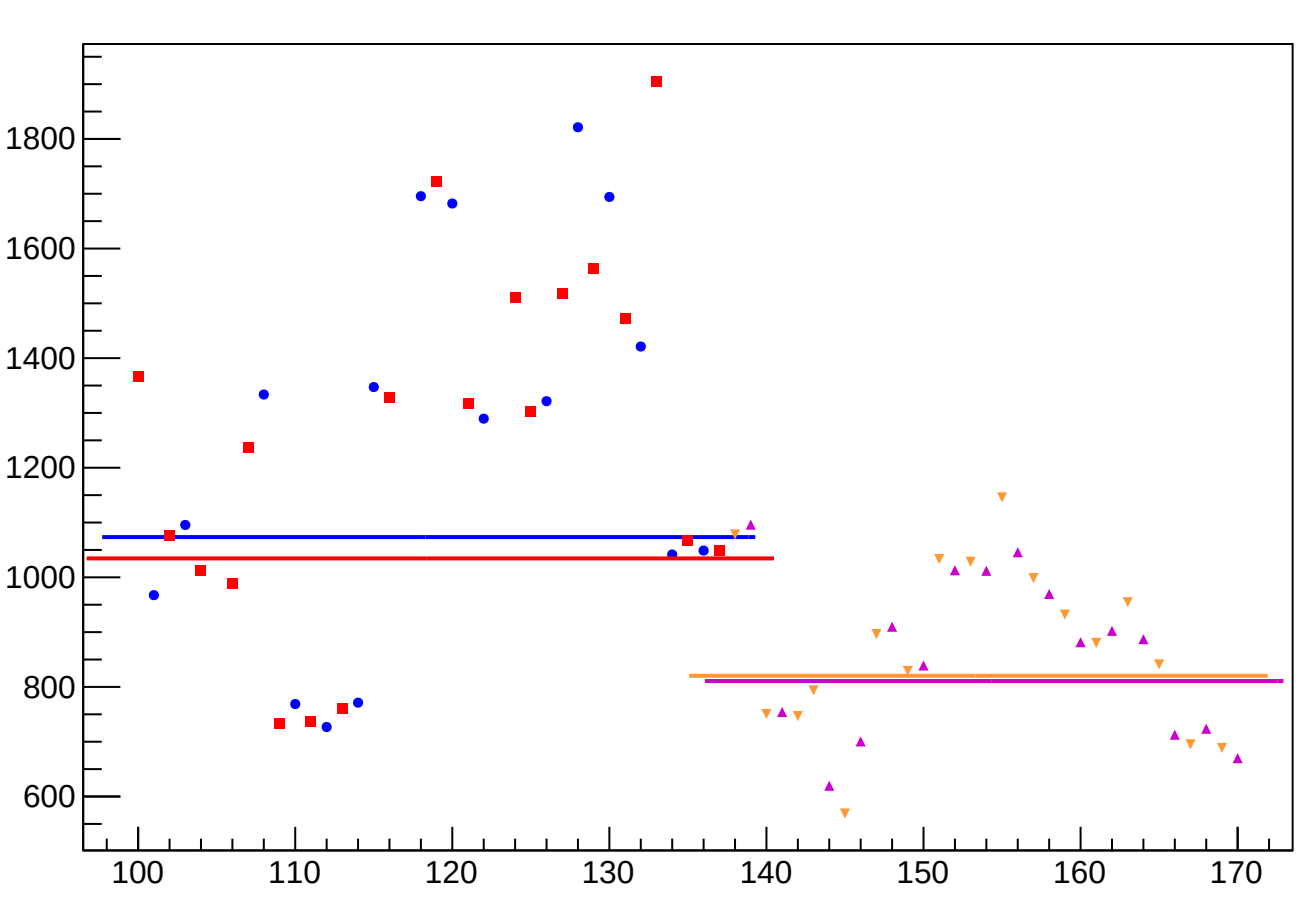
Left: -691.729+/-161.056 χ^2/NDF: 66.1/32

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: -72.299+/-199.527 χ^2/NDF:36.3/31

Out: -799.364+/-197.828 χ^2/NDF:74.3/35

All: -438.939+/-140.482 χ^2/NDF: 117.3/67



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 820.330+/-0.161 χ^2/NDF:941020.9/16

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 810.783+/-0.161 χ^2/NDF:777797.2/15

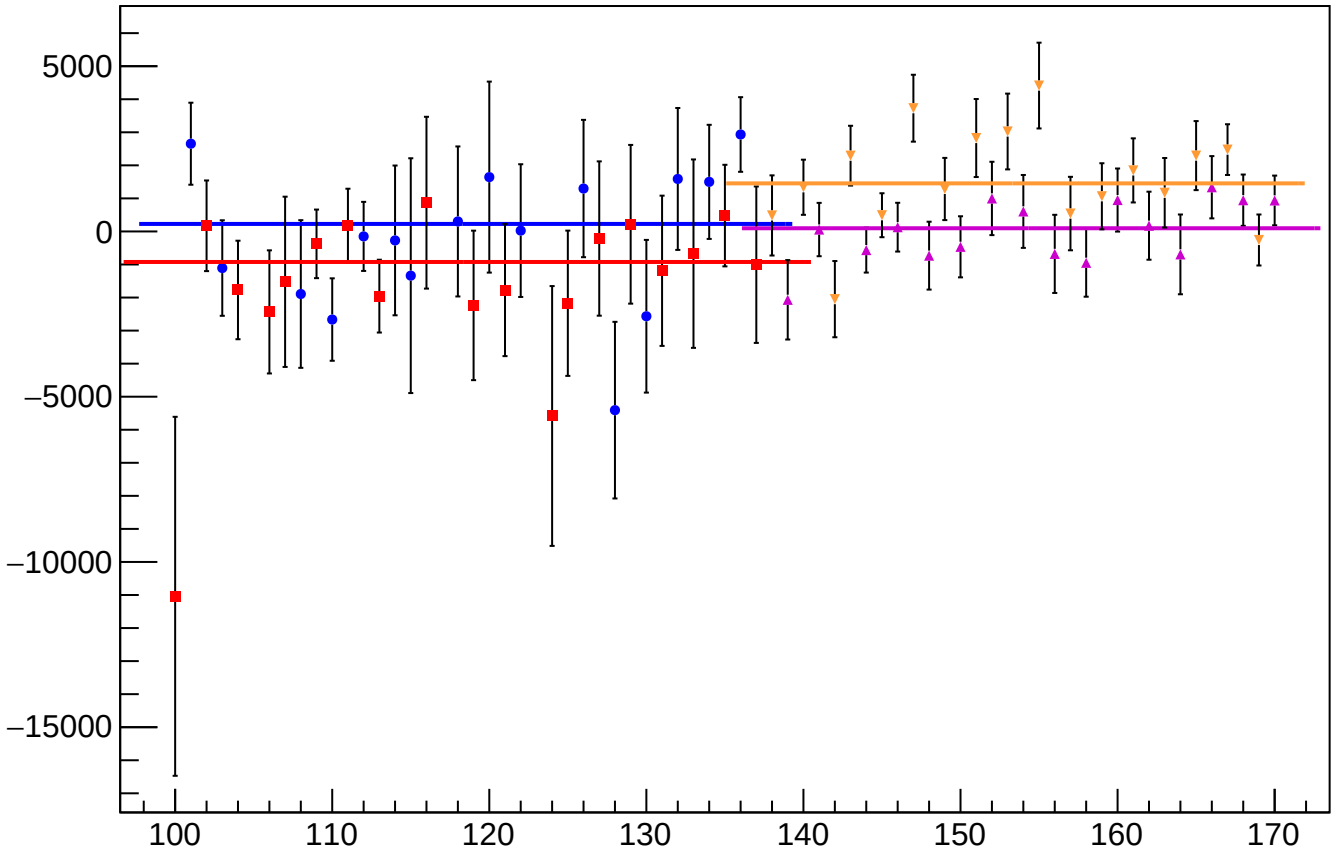
Left: 815.533+/-0.114 χ^2/NDF: 1720574.8/32

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 870.903+/-0.141 χ^2/NDF:2466612.8/31

Out: 873.725+/-0.140 χ^2/NDF:2609163.6/35

All: 872.326+/-0.099 χ^2/NDF: 5075978.1/67



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1454.583+/-231.860 χ^2/NDF:34.8/16

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 96.667+/-229.871 χ^2/NDF:13.0/15

Left: 769.778+/-163.242 χ^2/NDF: 65.0/32

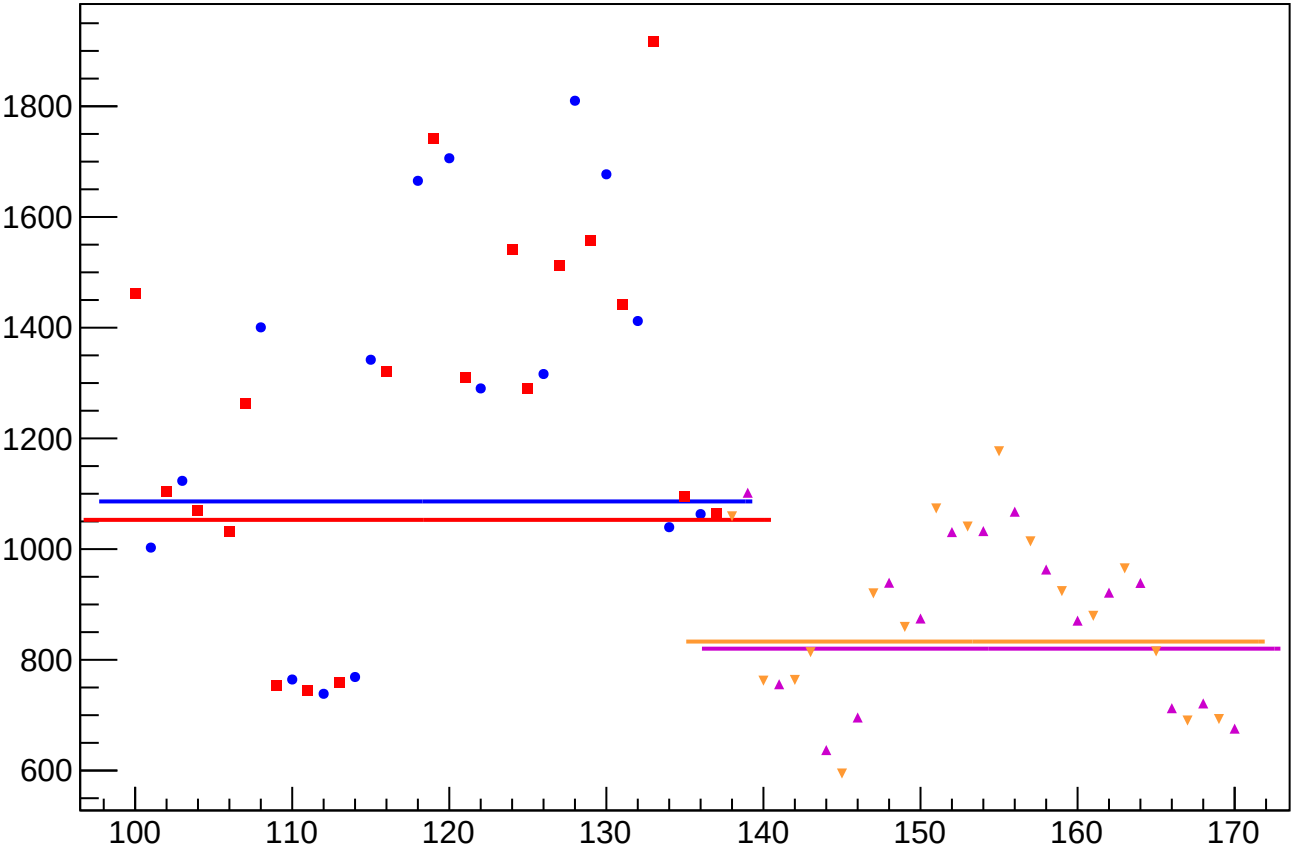
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: 126.623+/-201.848 χ^2/NDF:37.5/31

Out: 863.365+/-200.984 χ^2/NDF:72.1/35

All: 496.573+/-142.422 χ^2/NDF: 116.3/67

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 832.987+/-0.164 χ^2/NDF:895899.7/16

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 820.156+/-0.163 χ^2/NDF:807374.6/15

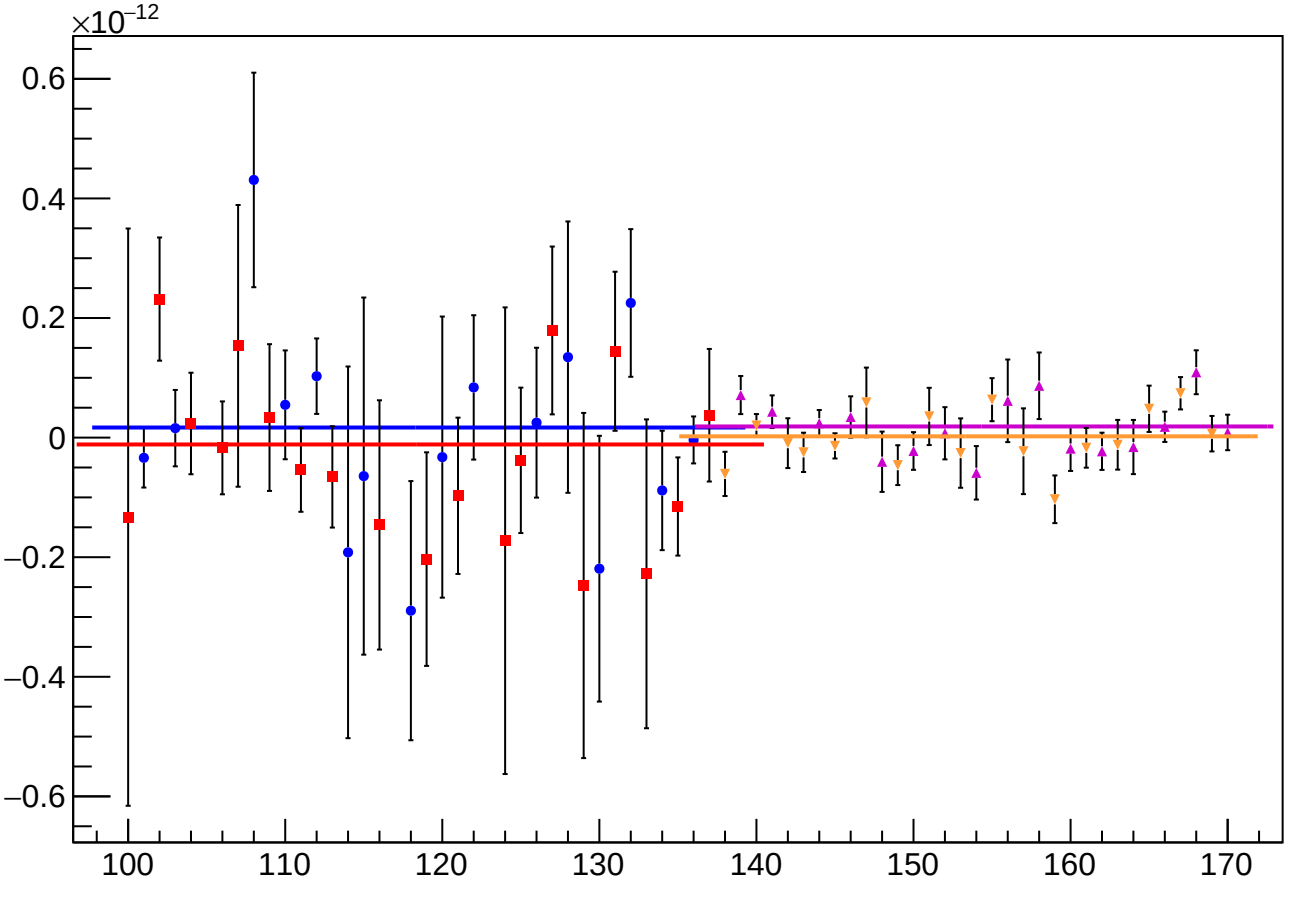
Left: 826.516+/-0.115 χ^2/NDF: 1706362.9/32

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 881.055+/-0.143 χ^2/NDF:2467935.3/31

Out: 887.639+/-0.142 χ^2/NDF:2537315.0/35

All: 884.361+/-0.101 χ^2/NDF: 5006319.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/15

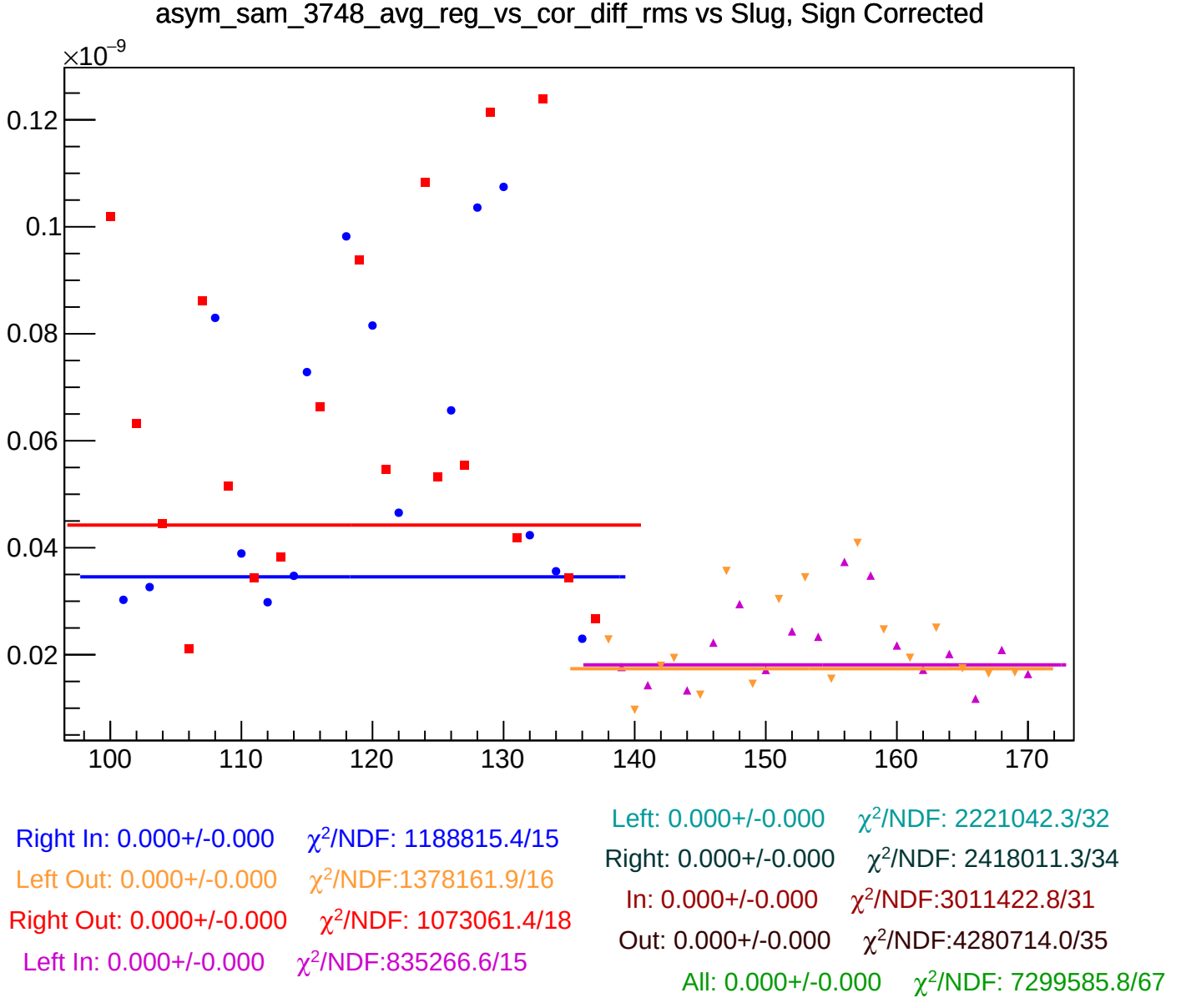
Left: 0.000+/-0.000 χ^2/NDF: 51.2/32

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

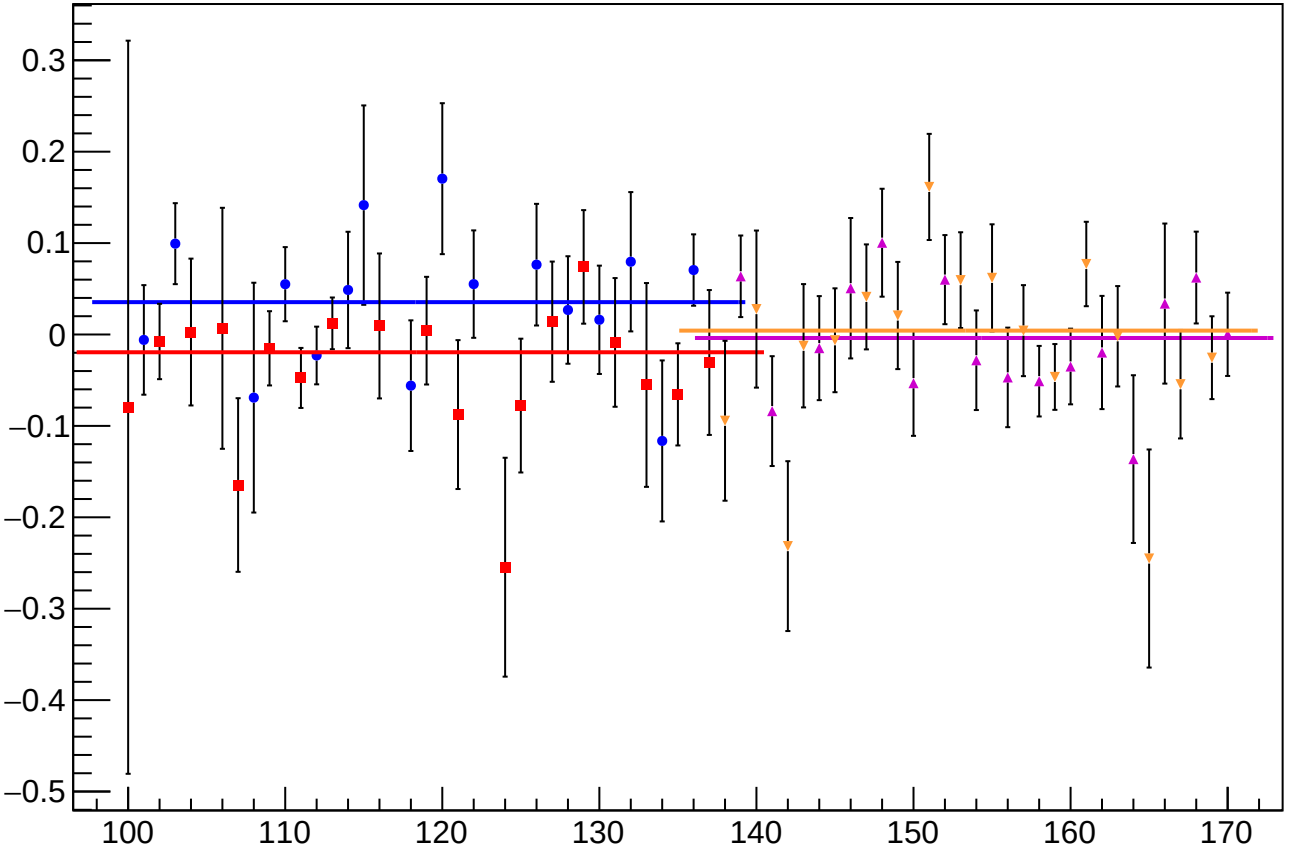
In: 0.000+/-0.000 χ^2/NDF:38.3/31

Out: 0.000+/-0.000 χ^2/NDF:43.9/35

All: 0.000+/-0.000 χ^2/NDF: 84.6/67


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1378161.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:835266.6/15
Left: 0.000+/-0.000 χ²/NDF: 2221042.3/32
Right: 0.000+/-0.000 χ²/NDF: 2418011.3/34
In: 0.000+/-0.000 χ²/NDF:3011422.8/31
Out: 0.000+/-0.000 χ²/NDF:4280714.0/35
All: 0.000+/-0.000 χ²/NDF: 7299585.8/67

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:28.0/16

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.013 χ^2/NDF:17.1/15

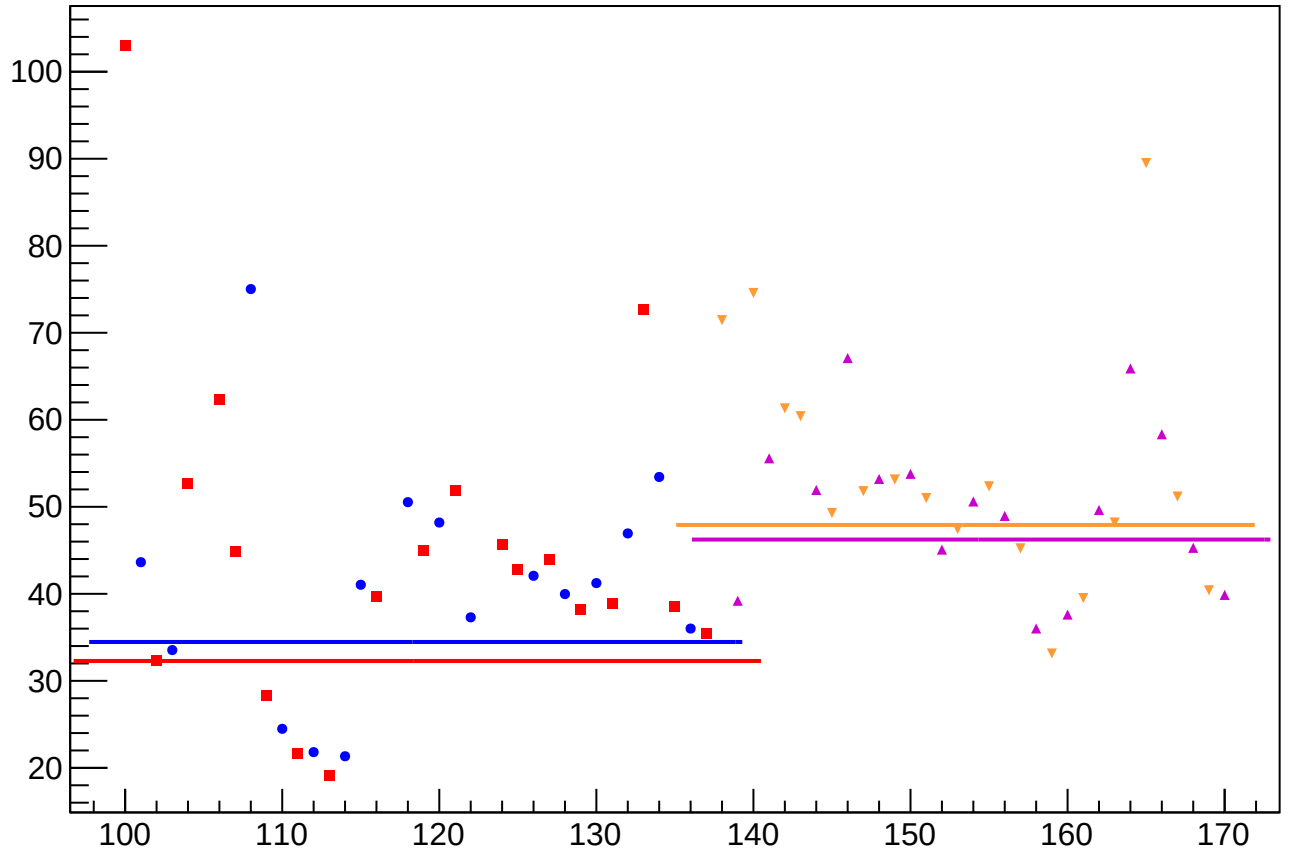
Left: 0.000+/-0.010 χ^2/NDF: 45.4/32

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.008+/-0.009 χ^2/NDF:43.0/35

All: 0.003+/-0.007 χ^2/NDF: 84.1/67



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.916+/-0.010 χ^2/NDF:1204179.1/16

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.237+/-0.009 χ^2/NDF:749285.0/15

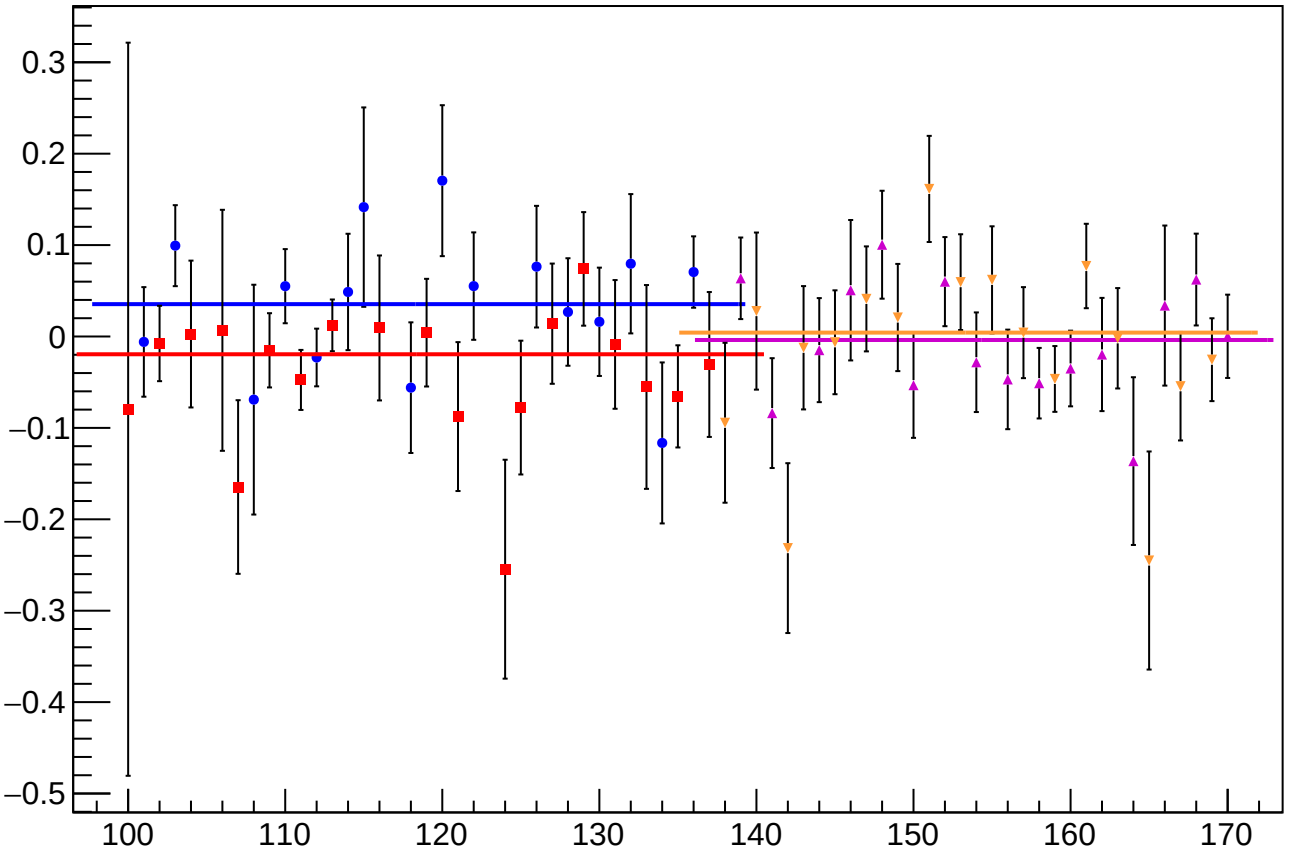
Left: 47.053+/-0.007 χ^2/NDF: 1968750.6/32

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.571+/-0.007 χ^2/NDF:2665029.9/31

Out: 39.725+/-0.007 χ^2/NDF:4227512.5/35

All: 40.142+/-0.005 χ^2/NDF: 6900363.5/67



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:28.0/16

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.013 χ^2/NDF:17.1/15

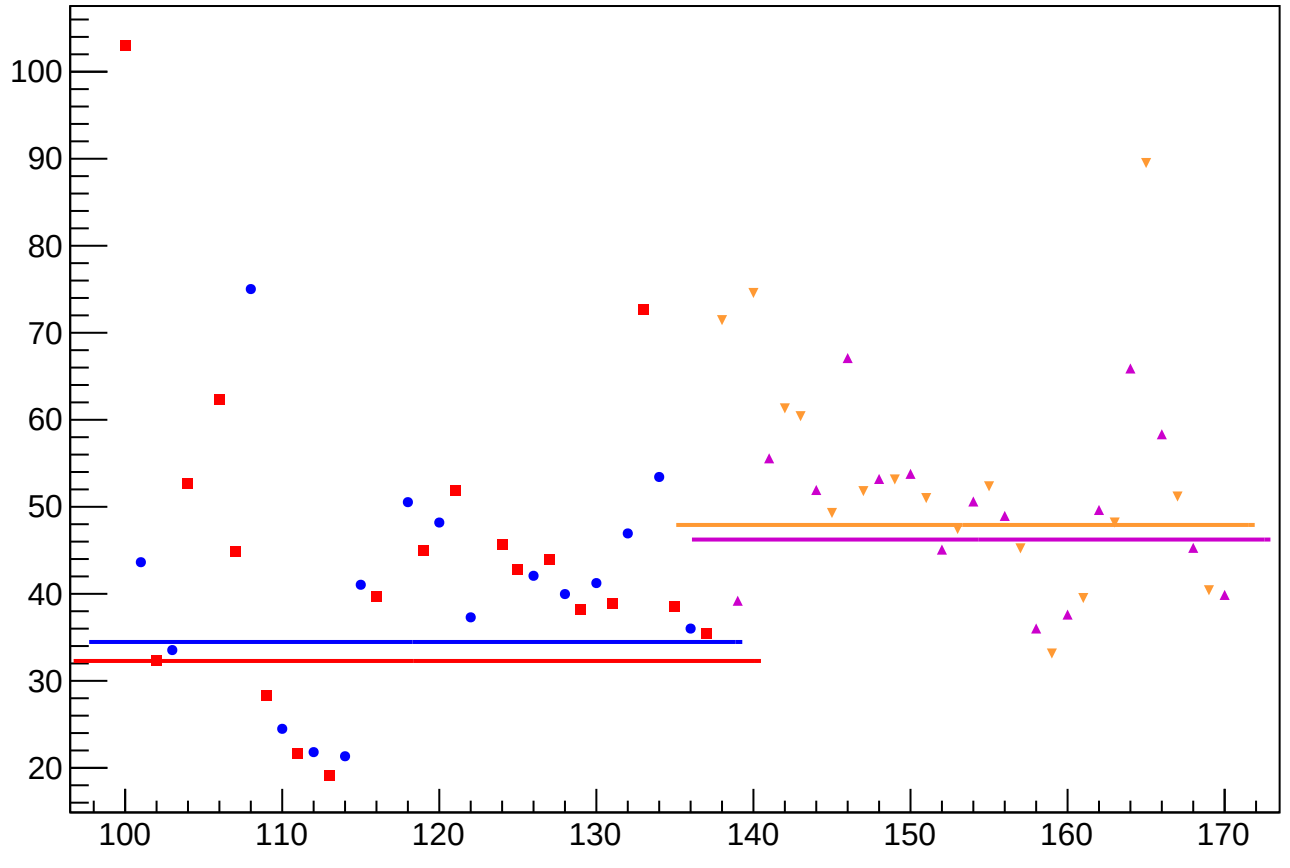
Left: 0.000+/-0.010 χ^2/NDF: 45.4/32

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.008+/-0.009 χ^2/NDF:43.0/35

All: 0.003+/-0.007 χ^2/NDF: 84.1/67



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.916+/-0.010 χ^2/NDF:1204179.1/16

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.237+/-0.009 χ^2/NDF:749285.0/15

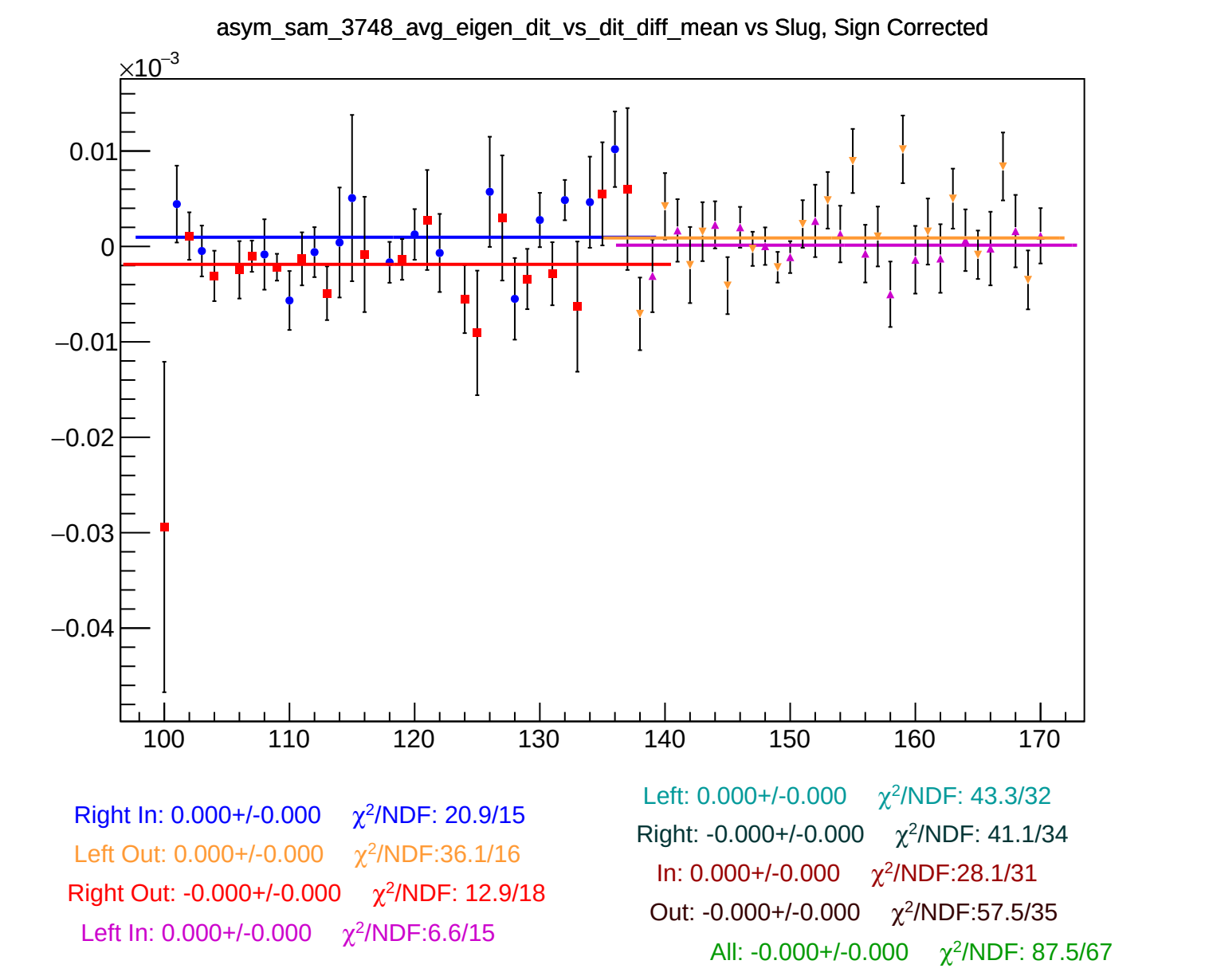
Left: 47.053+/-0.007 χ^2/NDF: 1968750.6/32

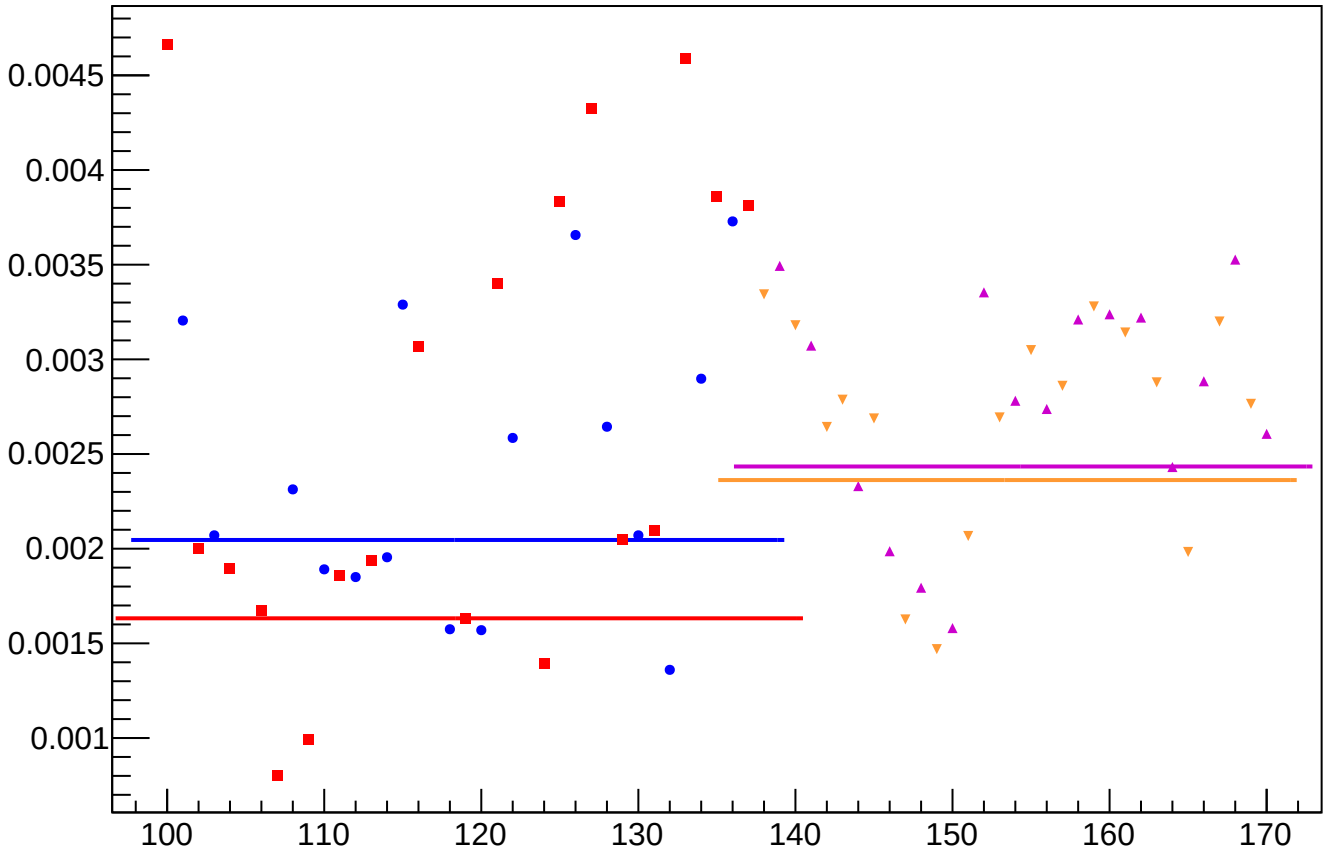
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.571+/-0.007 χ^2/NDF:2665029.9/31

Out: 39.725+/-0.007 χ^2/NDF:4227512.5/35

All: 40.142+/-0.005 χ^2/NDF: 6900363.5/67


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:36.1/16
Right Out: -0.000+/-0.000 χ²/NDF: 12.9/18
Left In: 0.000+/-0.000 χ²/NDF:6.6/15
Left: 0.000+/-0.000 χ²/NDF: 43.3/32
Right: -0.000+/-0.000 χ²/NDF: 41.1/34
In: 0.000+/-0.000 χ²/NDF:28.1/31
Out: -0.000+/-0.000 χ²/NDF:57.5/35
All: -0.000+/-0.000 χ²/NDF: 87.5/67



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1934620.5/16

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1722171.1/15

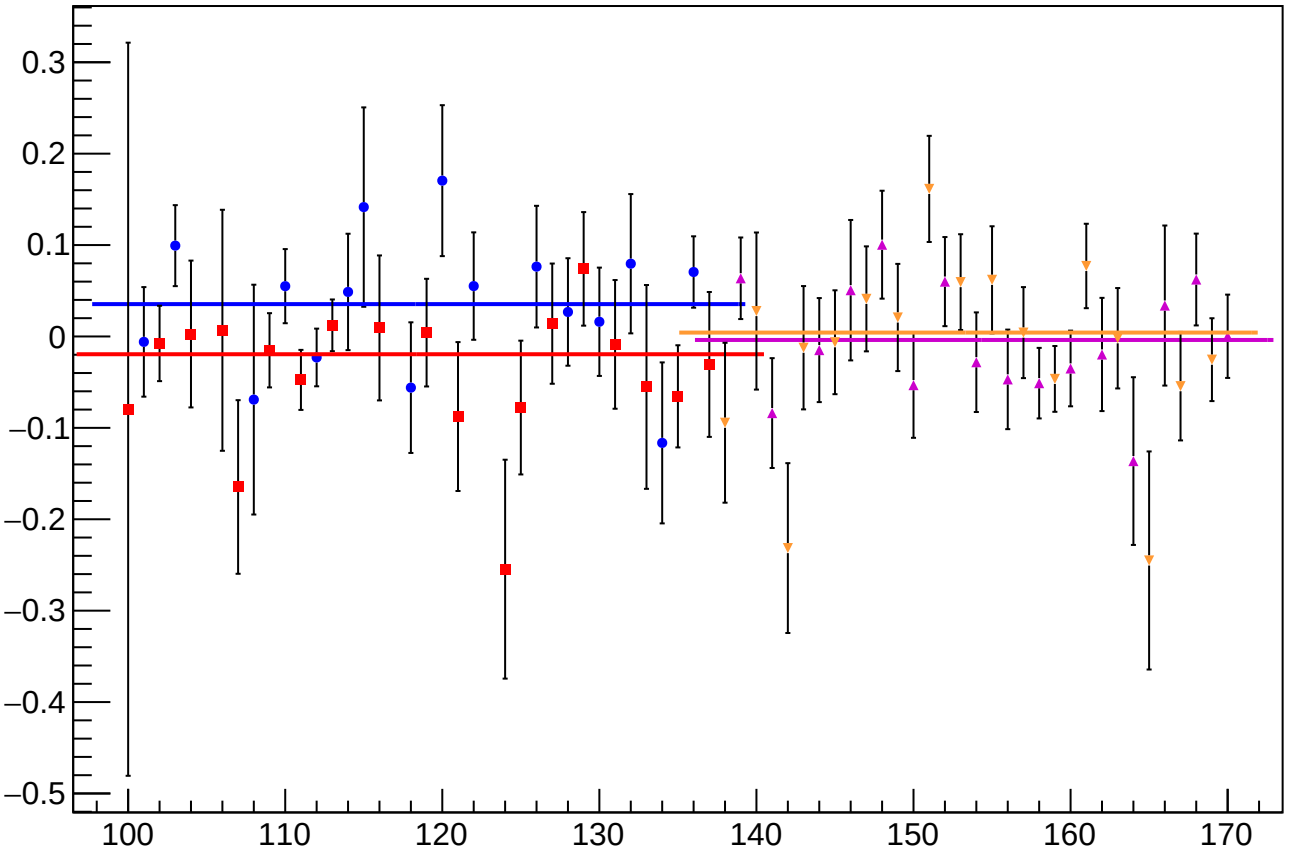
Left: 0.002+/-0.000 χ^2/NDF: 3667682.7/32

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3246422.6/31

Out: 0.002+/-0.000 χ^2/NDF:6042855.6/35

All: 0.002+/-0.000 χ^2/NDF: 9584307.1/67



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:28.0/16

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.013 χ^2/NDF:17.1/15

Left: 0.000+/-0.010 χ^2/NDF: 45.4/32

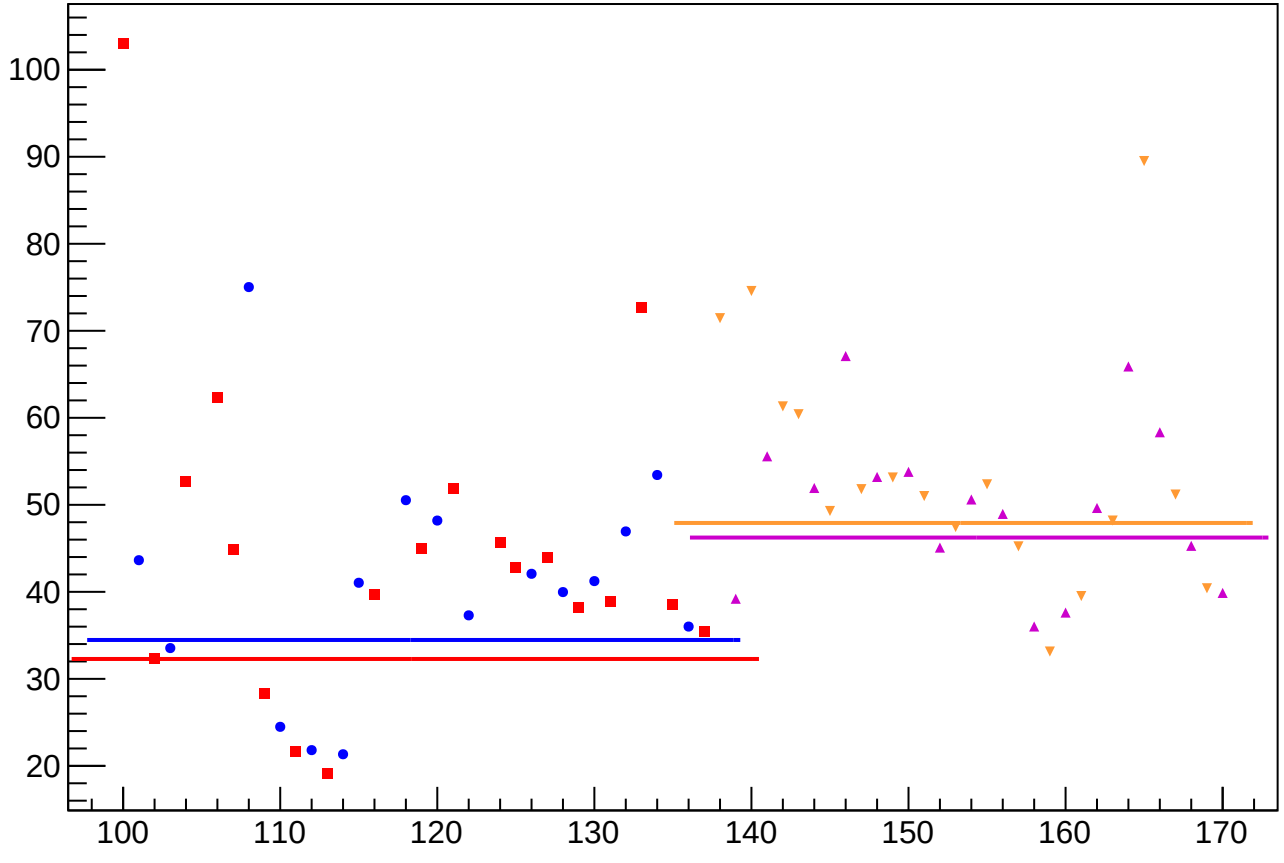
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.008+/-0.009 χ^2/NDF:43.0/35

All: 0.003+/-0.007 χ^2/NDF: 84.1/67

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.917+/-0.010 χ^2/NDF:1204189.4/16

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.238+/-0.009 χ^2/NDF:749319.6/15

Left: 47.054+/-0.007 χ^2/NDF: 1968796.7/32

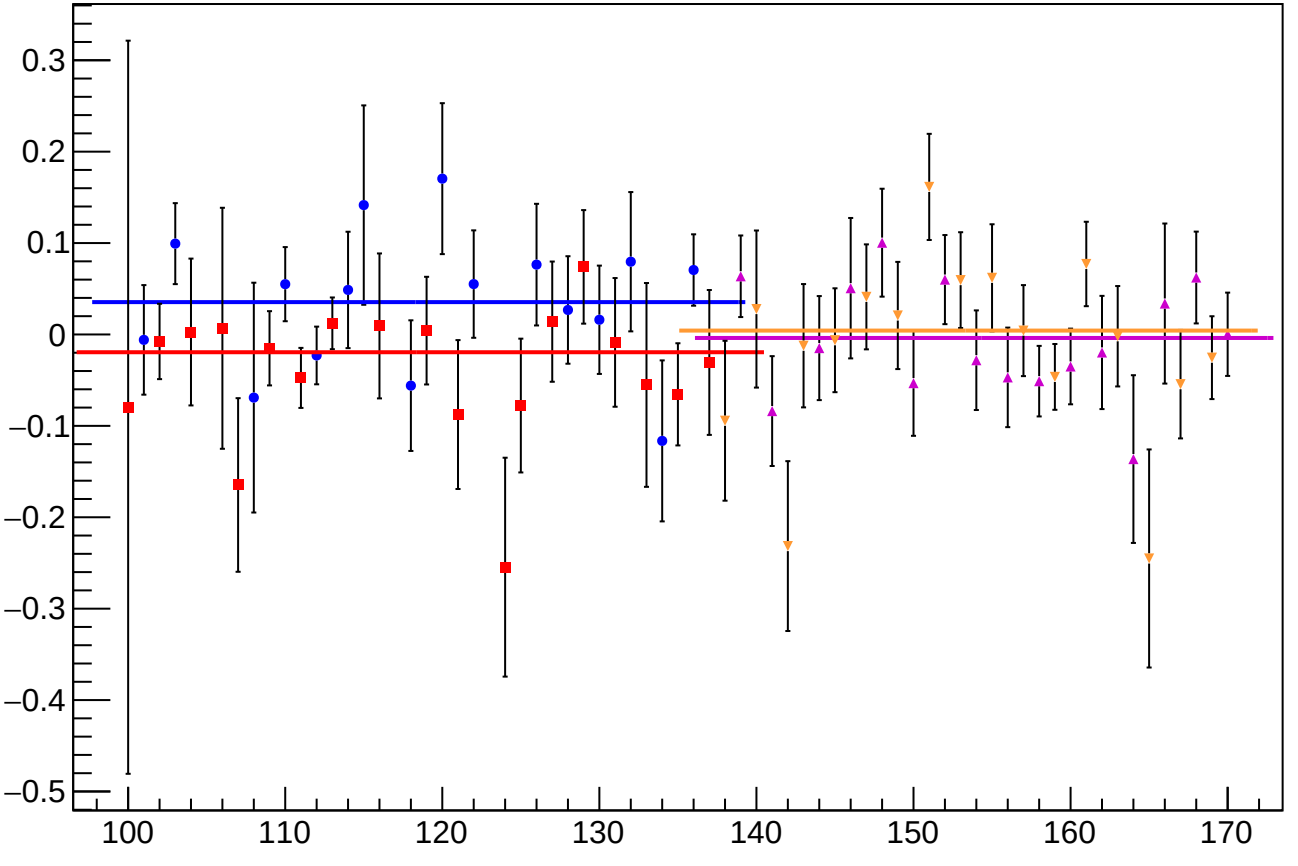
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.572+/-0.007 χ^2/NDF:2665028.4/31

Out: 39.726+/-0.007 χ^2/NDF:4227504.9/35

All: 40.143+/-0.005 χ^2/NDF: 6900353.5/67

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+/-0.014 χ^2/NDF:28.0/16

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.013 χ^2/NDF:17.1/15

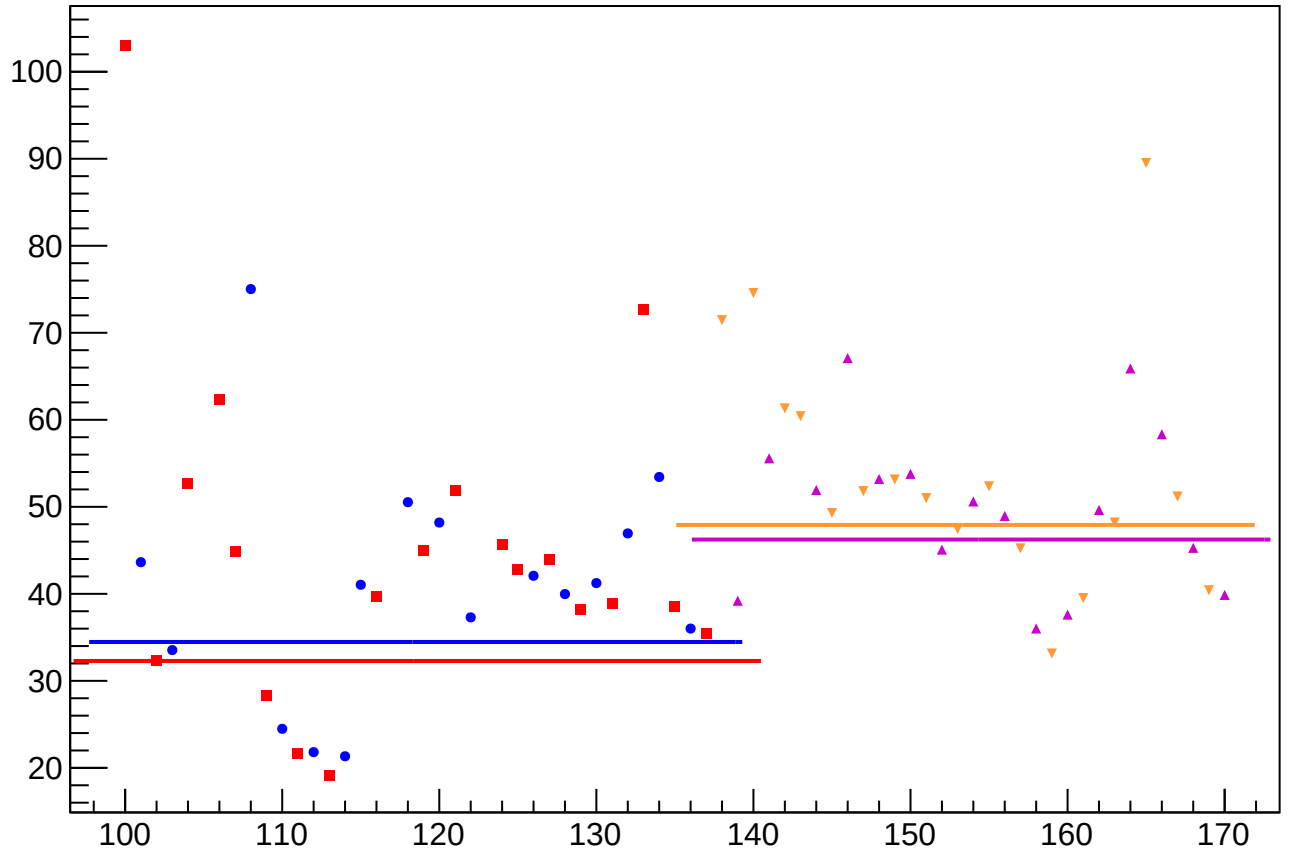
Left: 0.000+/-0.010 χ^2/NDF: 45.4/32

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.008+/-0.009 χ^2/NDF:43.0/35

All: 0.003+/-0.007 χ^2/NDF: 84.1/67



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.917+/-0.010 χ^2/NDF:1204189.4/16

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.238+/-0.009 χ^2/NDF:749319.6/15

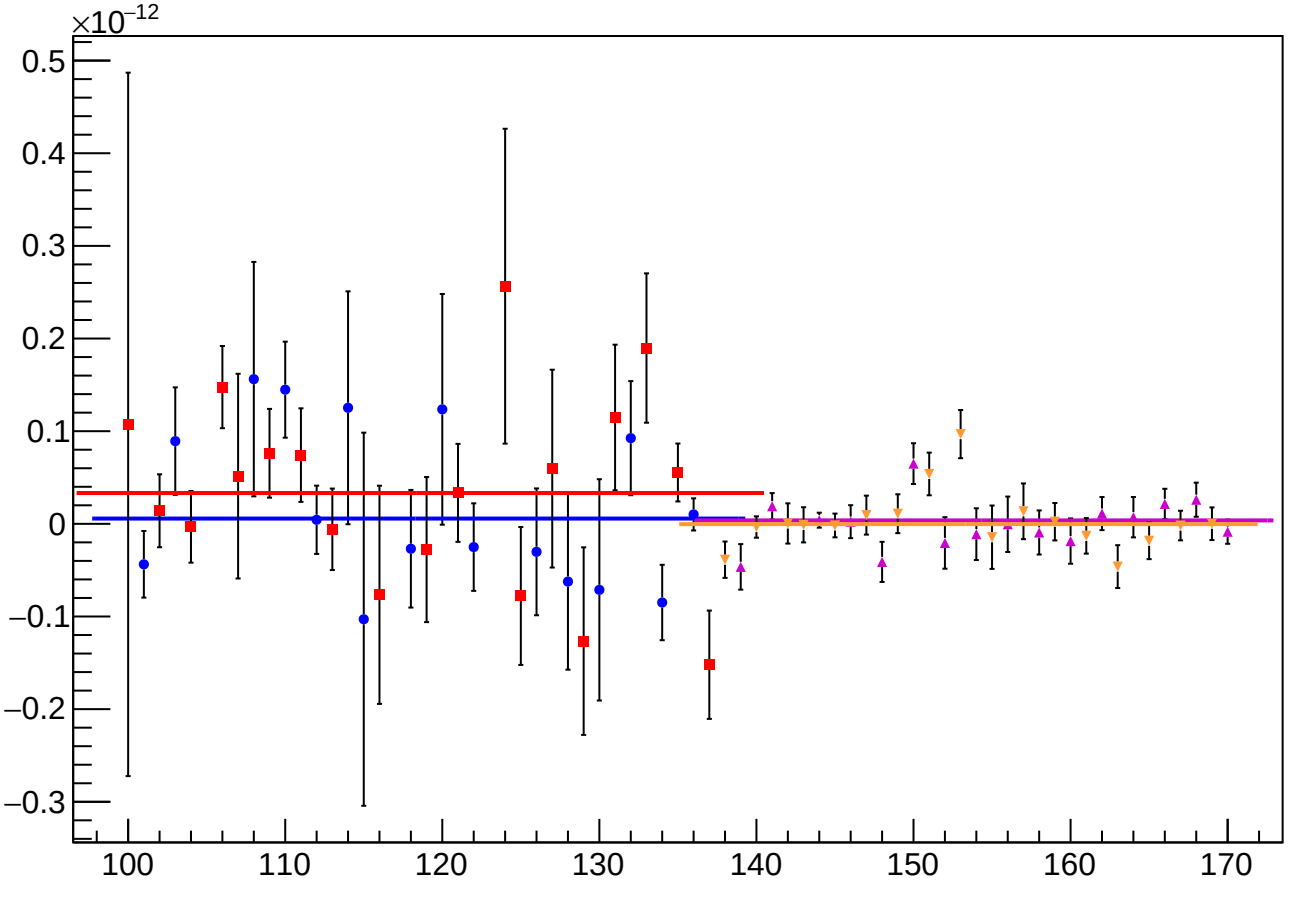
Left: 47.054+/-0.007 χ^2/NDF: 1968796.7/32

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.572+/-0.007 χ^2/NDF:2665028.4/31

Out: 39.726+/-0.007 χ^2/NDF:4227504.9/35

All: 40.143+/-0.005 χ^2/NDF: 6900353.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/15

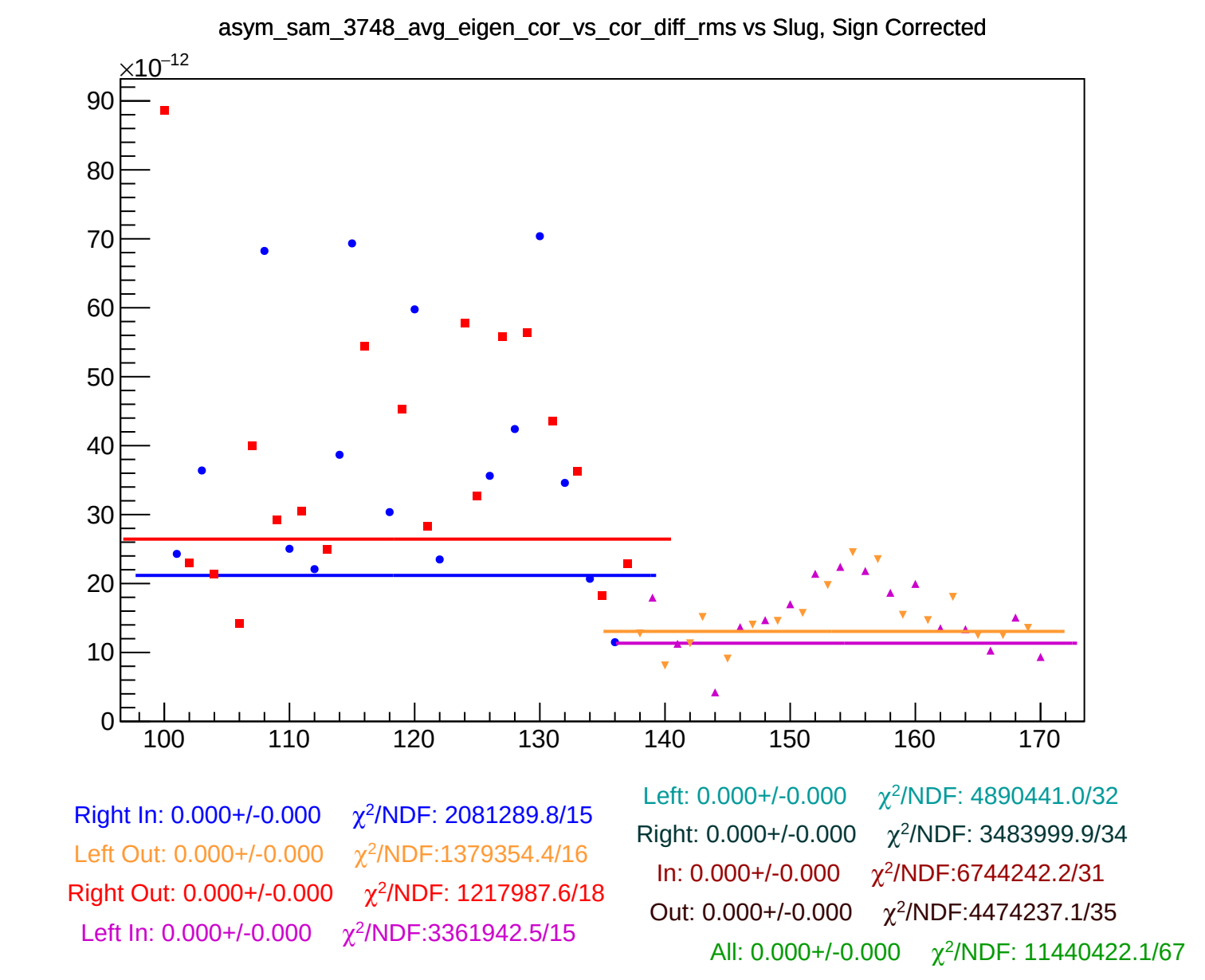
Left: 0.000+/-0.000 χ^2/NDF: 53.2/32

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

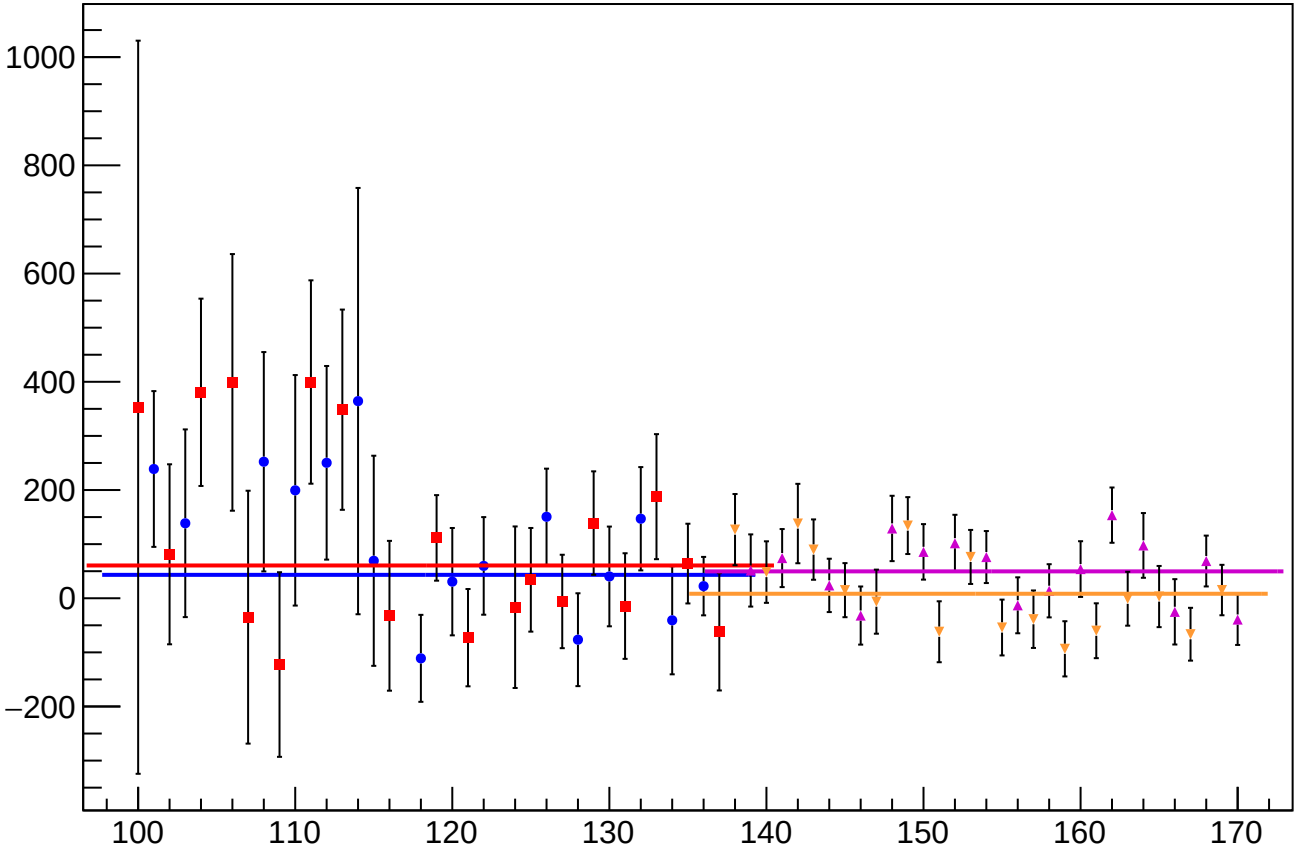
In: 0.000+/-0.000 χ^2/NDF:46.9/31

Out: 0.000+/-0.000 χ^2/NDF:68.9/35

All: 0.000+/-0.000 χ^2/NDF: 115.8/67


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1379354.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3361942.5/15
Left: 0.000+/-0.000 χ²/NDF: 4890441.0/32
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6744242.2/31
Out: 0.000+/-0.000 χ²/NDF:4474237.1/35
All: 0.000+/-0.000 χ²/NDF: 11440422.1/67

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.306+/-13.004 χ^2/NDF:28.7/16

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 49.676+/-13.142 χ^2/NDF:18.4/15

Left: 28.774+/-9.244 χ^2/NDF: 52.1/32

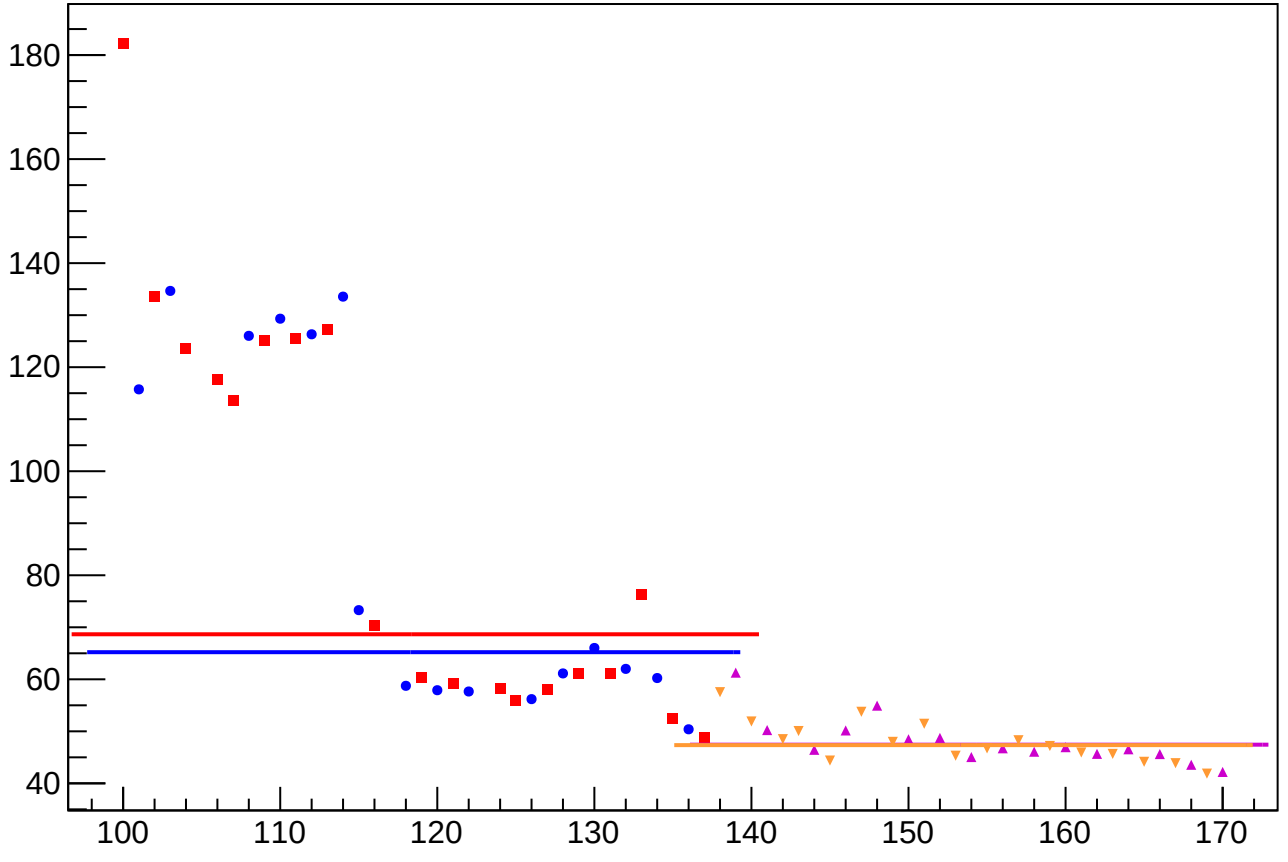
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 48.350+/-11.708 χ^2/NDF:33.4/31

Out: 18.212+/-11.708 χ^2/NDF:52.2/35

All: 33.280+/-8.279 χ^2/NDF: 88.9/67

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.348+/-0.009 χ^2/NDF:159631.2/16

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.432+/-0.009 χ^2/NDF:180530.4/15

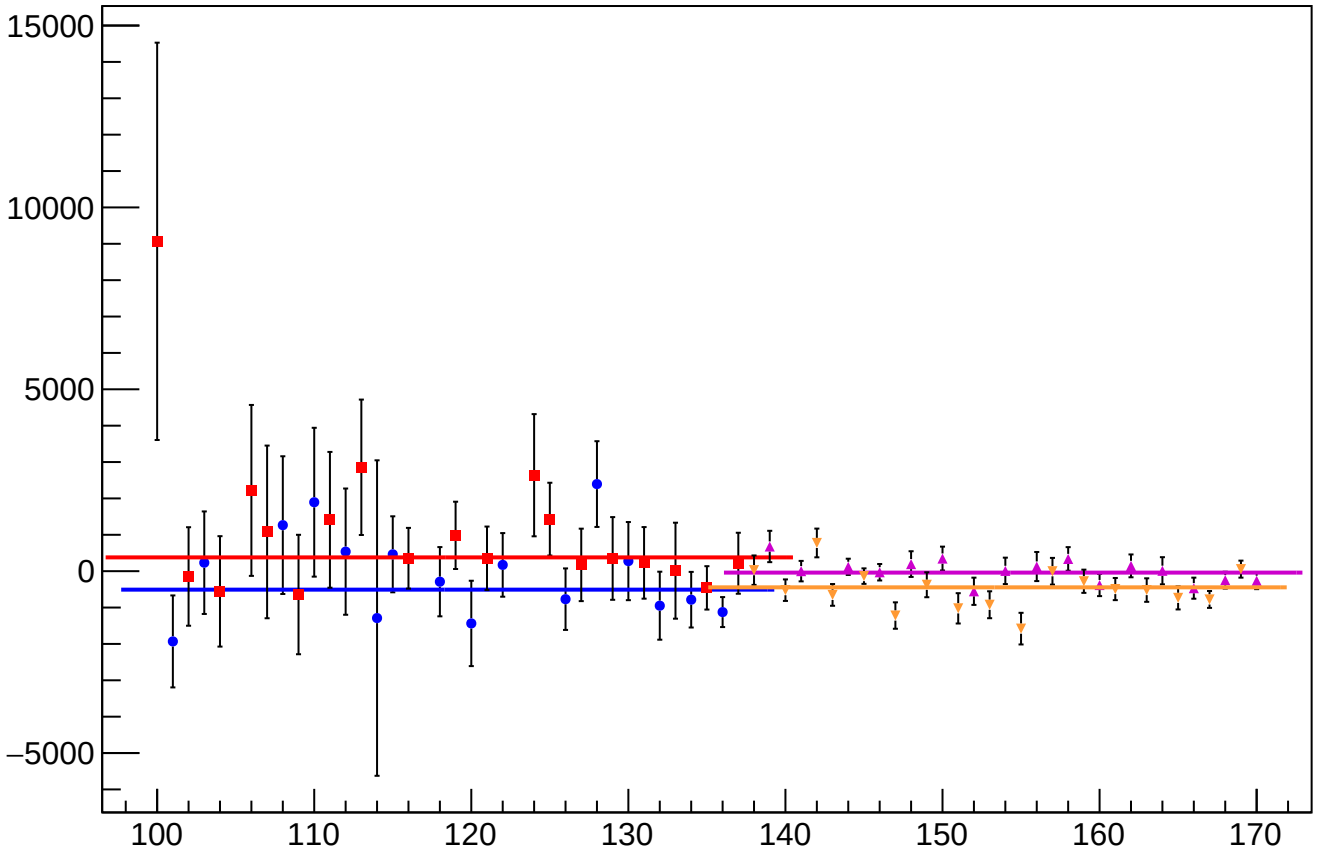
Left: 47.389+/-0.007 χ^2/NDF: 340203.1/32

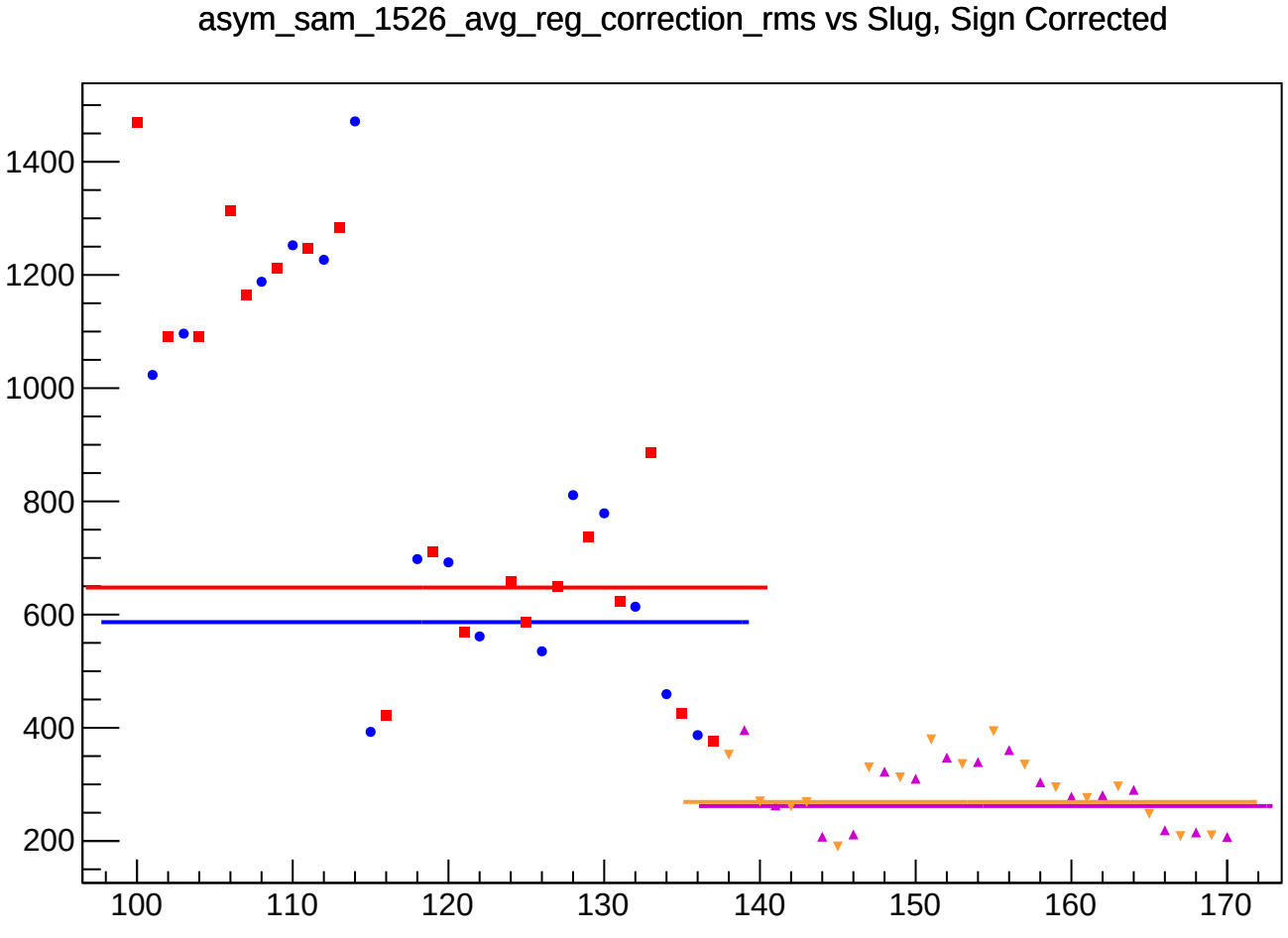
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 51.099+/-0.008 χ^2/NDF:2382164.1/31

Out: 51.386+/-0.008 χ^2/NDF:2818136.4/35

All: 51.242+/-0.006 χ^2/NDF: 5200899.1/67


asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -507.928+/-236.945 χ²/NDF: 15.6/15
Left Out: -444.474+/-75.373 χ²/NDF:37.8/16
Right Out: 378.892+/-256.407 χ²/NDF: 11.7/18
Left In: -39.509+/-73.939 χ²/NDF:14.1/15
Left: -238.103+/-52.782 χ²/NDF: 66.7/32
Right: -99.449+/-174.019 χ²/NDF: 33.8/34
In: -81.075+/-70.582 χ²/NDF:33.3/31
Out: -378.985+/-72.313 χ²/NDF:59.1/35
All: -226.422+/-50.510 χ²/NDF: 101.0/67



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 269.030+/-0.053 χ^2/NDF:1182156.0/16

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 261.802+/-0.052 χ^2/NDF:1125826.6/15

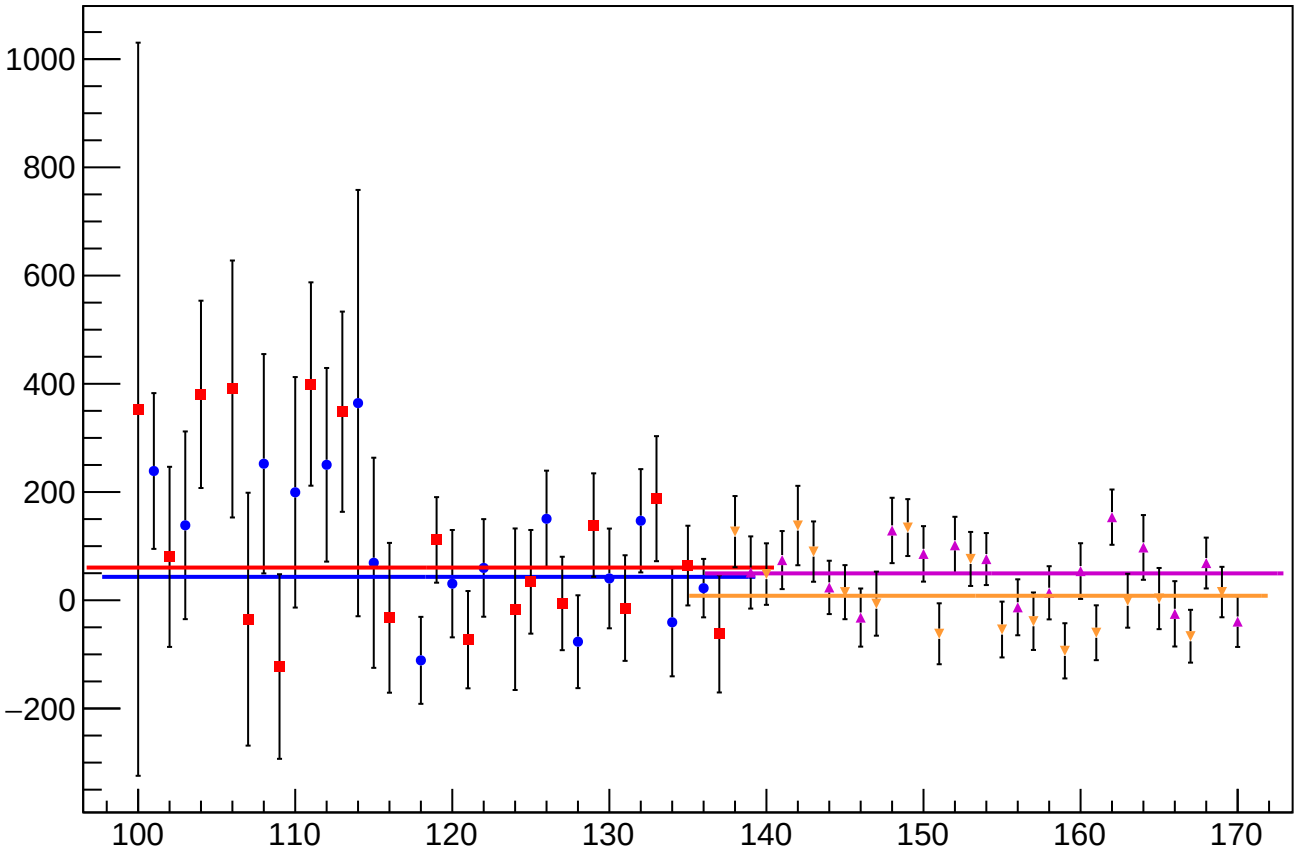
Left: 265.347+/-0.037 χ^2/NDF: 2317354.6/32

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 290.628+/-0.050 χ^2/NDF:6604482.3/31

Out: 299.152+/-0.051 χ^2/NDF:7303666.7/35

All: 294.786+/-0.036 χ^2/NDF: 13922380.7/67



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.307+/-13.004 χ^2/NDF:28.7/16

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 49.674+/-13.142 χ^2/NDF:18.4/15

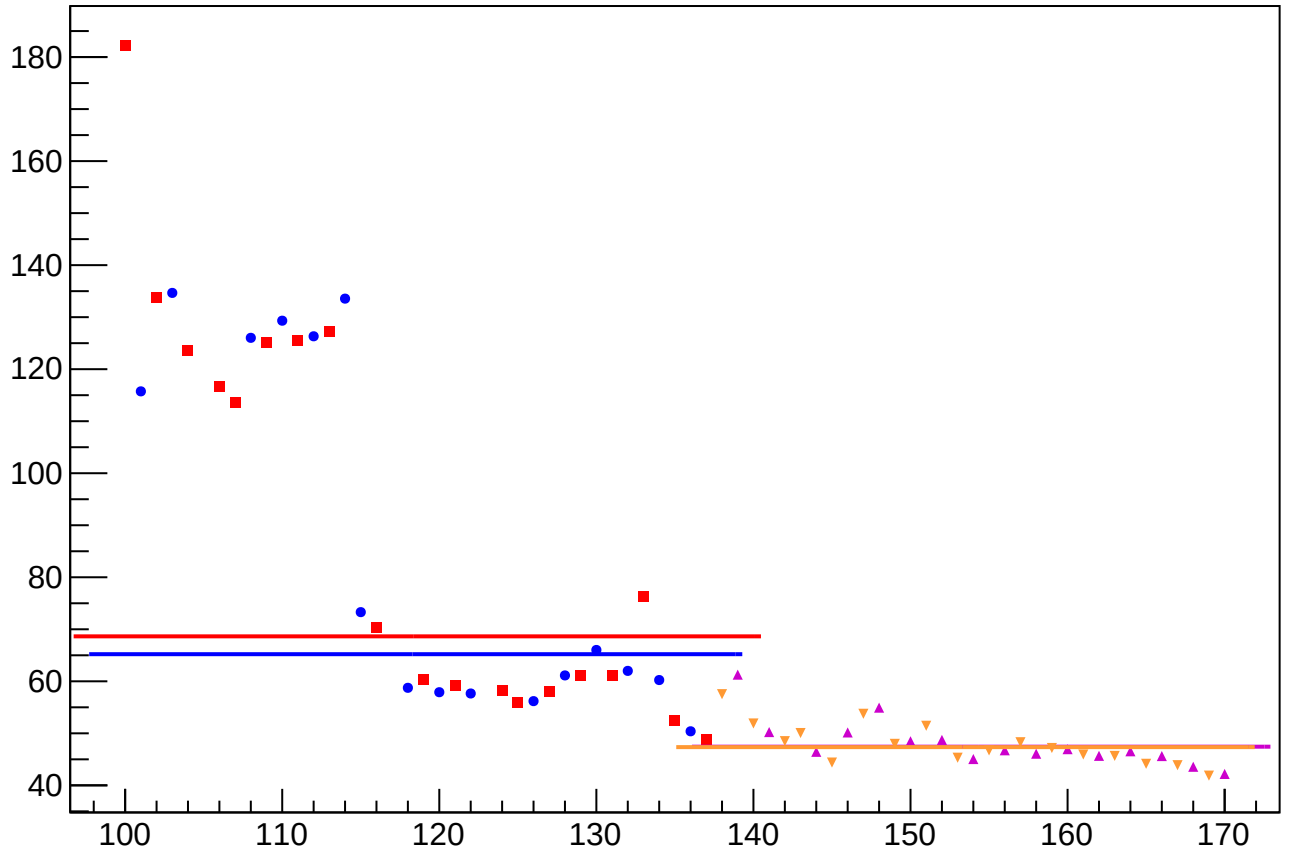
Left: 28.774+/-9.244 χ^2/NDF: 52.1/32

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.347+/-11.708 χ^2/NDF:33.4/31

Out: 18.185+/-11.708 χ^2/NDF:52.1/35

All: 33.265+/-8.279 χ^2/NDF: 88.8/67



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.348+/-0.009 χ^2/NDF:159631.2/16

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.432+/-0.009 χ^2/NDF:180530.3/15

Left: 47.389+/-0.007 χ^2/NDF: 340203.1/32

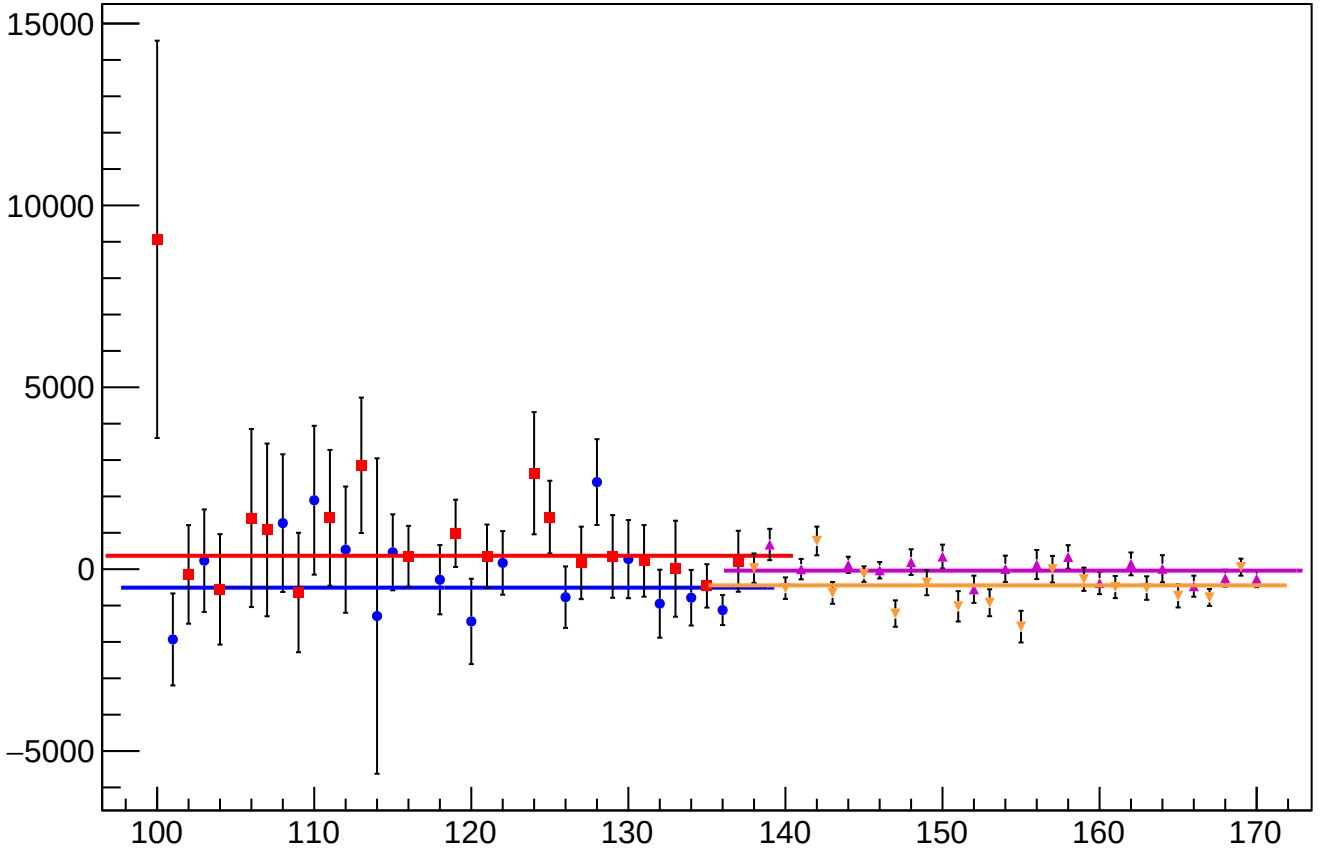
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.099+/-0.008 χ^2/NDF:2382166.1/31

Out: 51.383+/-0.008 χ^2/NDF:2813369.8/35

All: 51.241+/-0.006 χ^2/NDF: 5196122.4/67

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -444.470+/-75.373 χ^2/NDF:37.8/16

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -39.512+/-73.939 χ^2/NDF:14.1/15

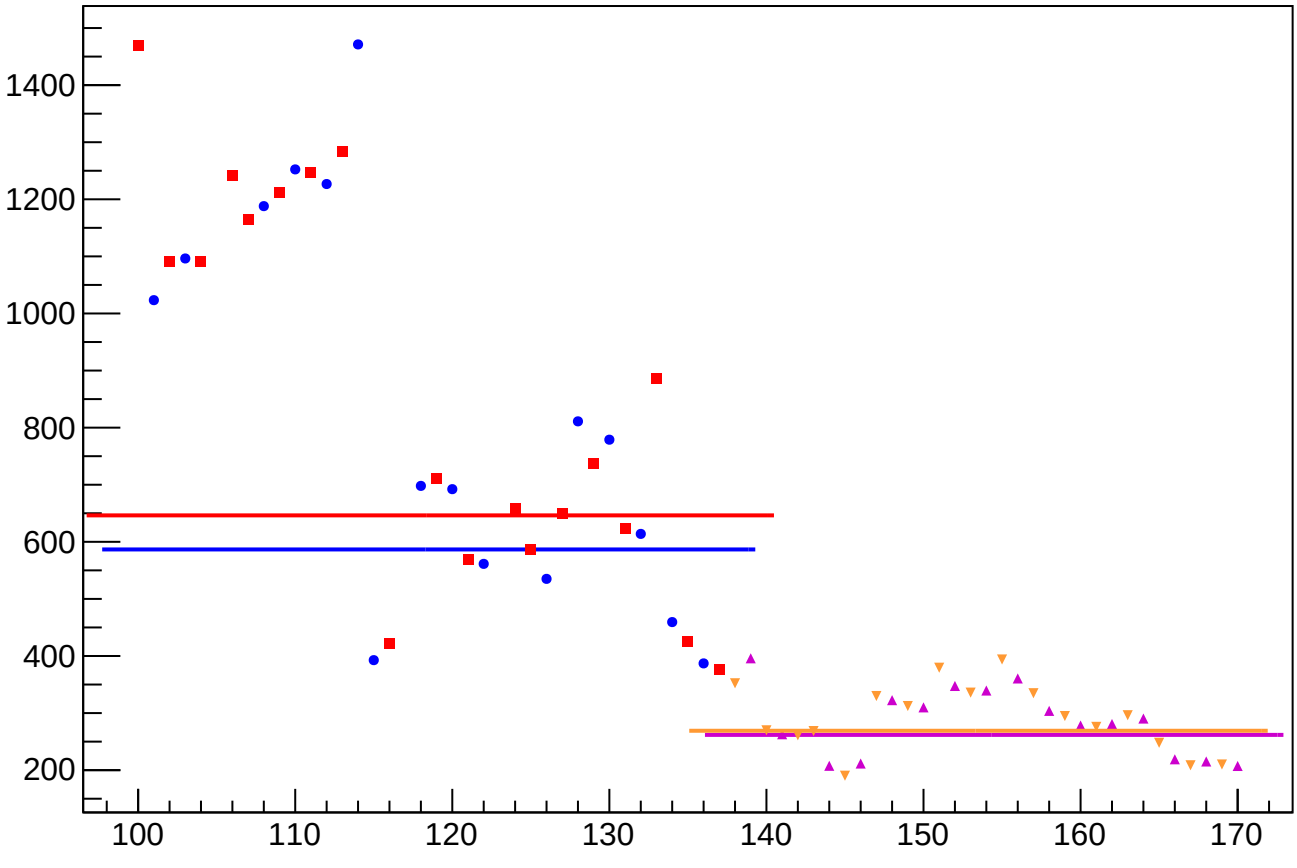
Left: -238.103+/-52.782 χ^2/NDF: 66.7/32

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -81.075+/-70.582 χ^2/NDF:33.3/31

Out: -379.880+/-72.316 χ^2/NDF:58.4/35

All: -226.853+/-50.511 χ^2/NDF: 100.4/67



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 269.030+/-0.053 χ^2/NDF:1182161.8/16

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 261.802+/-0.052 χ^2/NDF:1125824.3/15

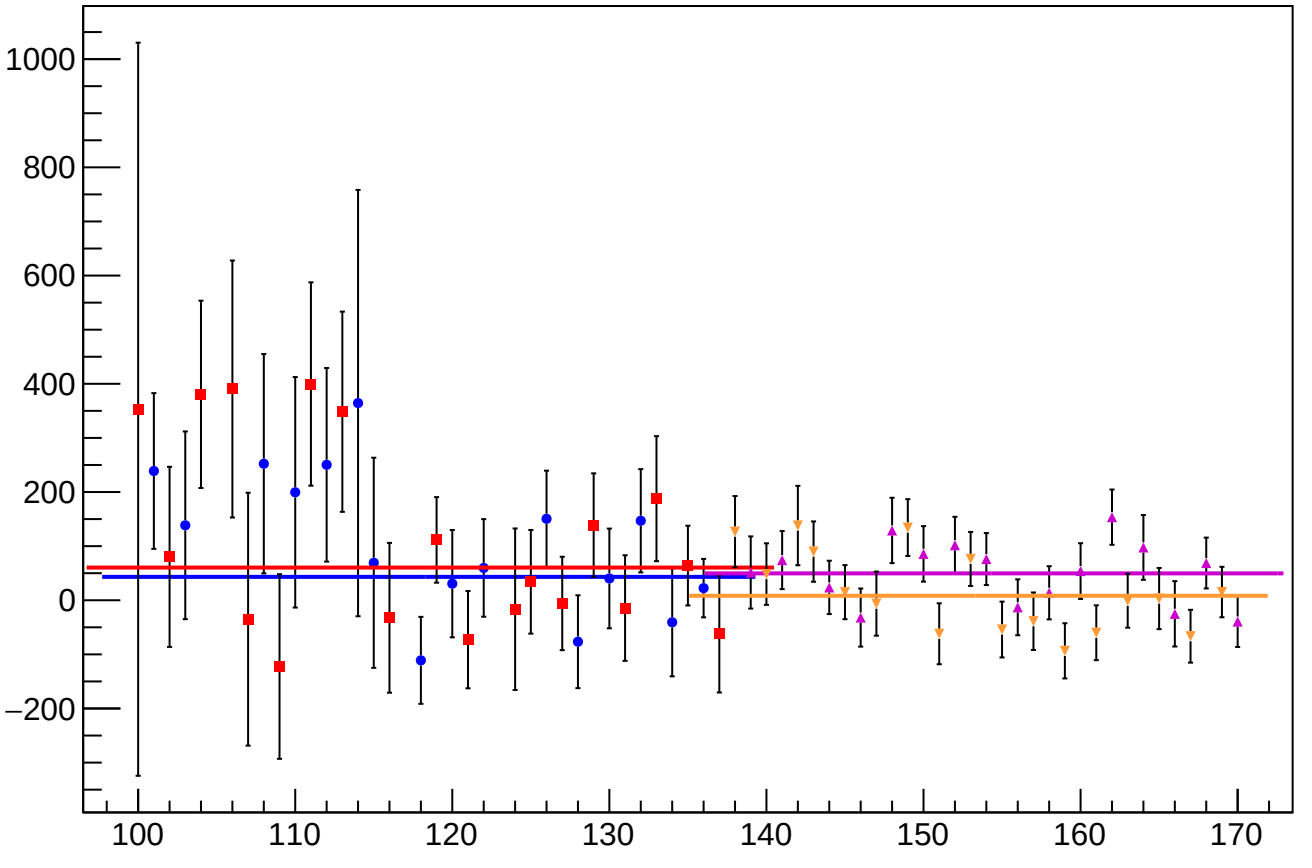
Left: 265.347+/-0.037 χ^2/NDF: 2317357.6/32

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 290.627+/-0.050 χ^2/NDF:6604501.3/31

Out: 299.012+/-0.051 χ^2/NDF:7227786.5/35

All: 294.718+/-0.036 χ^2/NDF: 13846057.3/67



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.307+/-13.004 χ^2/NDF:28.7/16

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 49.674+/-13.142 χ^2/NDF:18.4/15

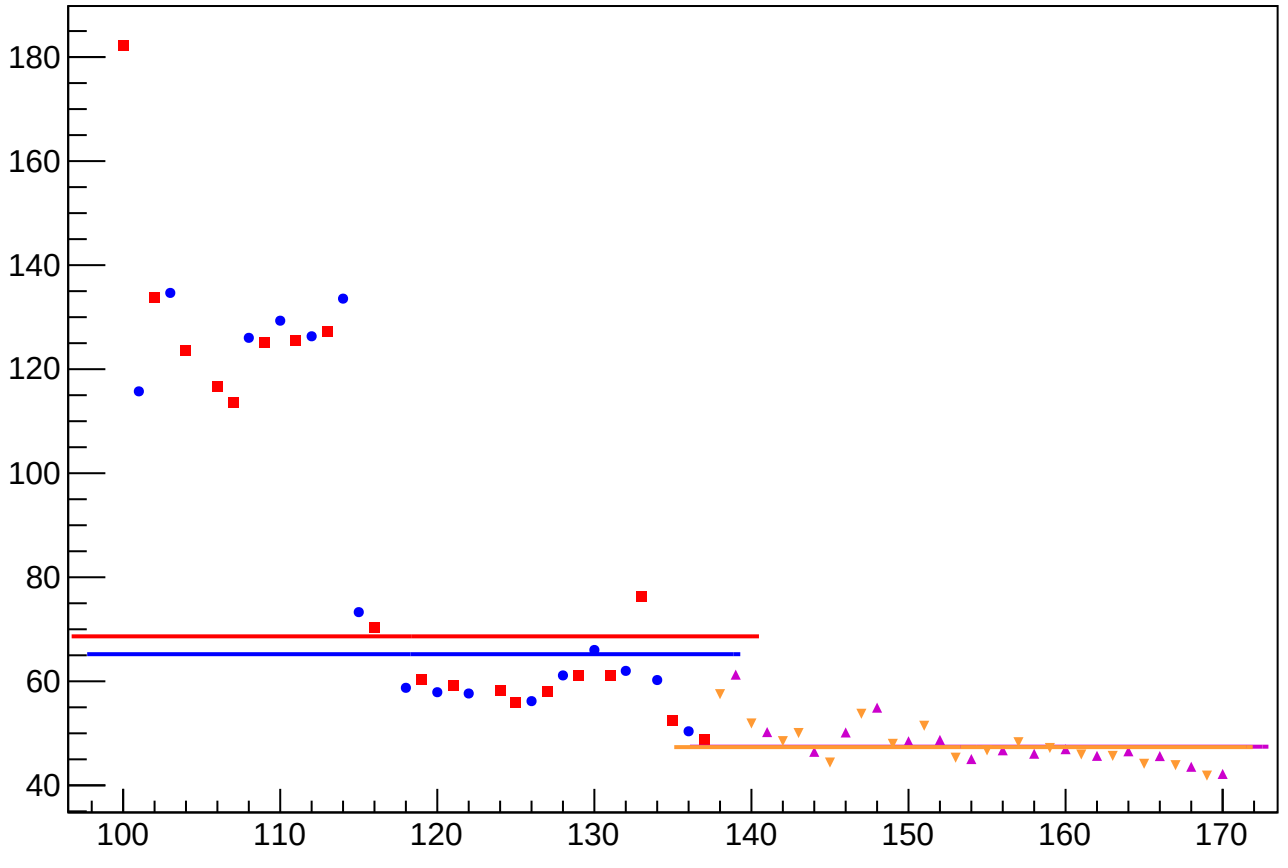
Left: 28.774+/-9.244 χ^2/NDF: 52.1/32

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.347+/-11.708 χ^2/NDF:33.4/31

Out: 18.185+/-11.708 χ^2/NDF:52.1/35

All: 33.265+/-8.279 χ^2/NDF: 88.8/67



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.348+/-0.009 χ^2/NDF:159631.2/16

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.432+/-0.009 χ^2/NDF:180530.3/15

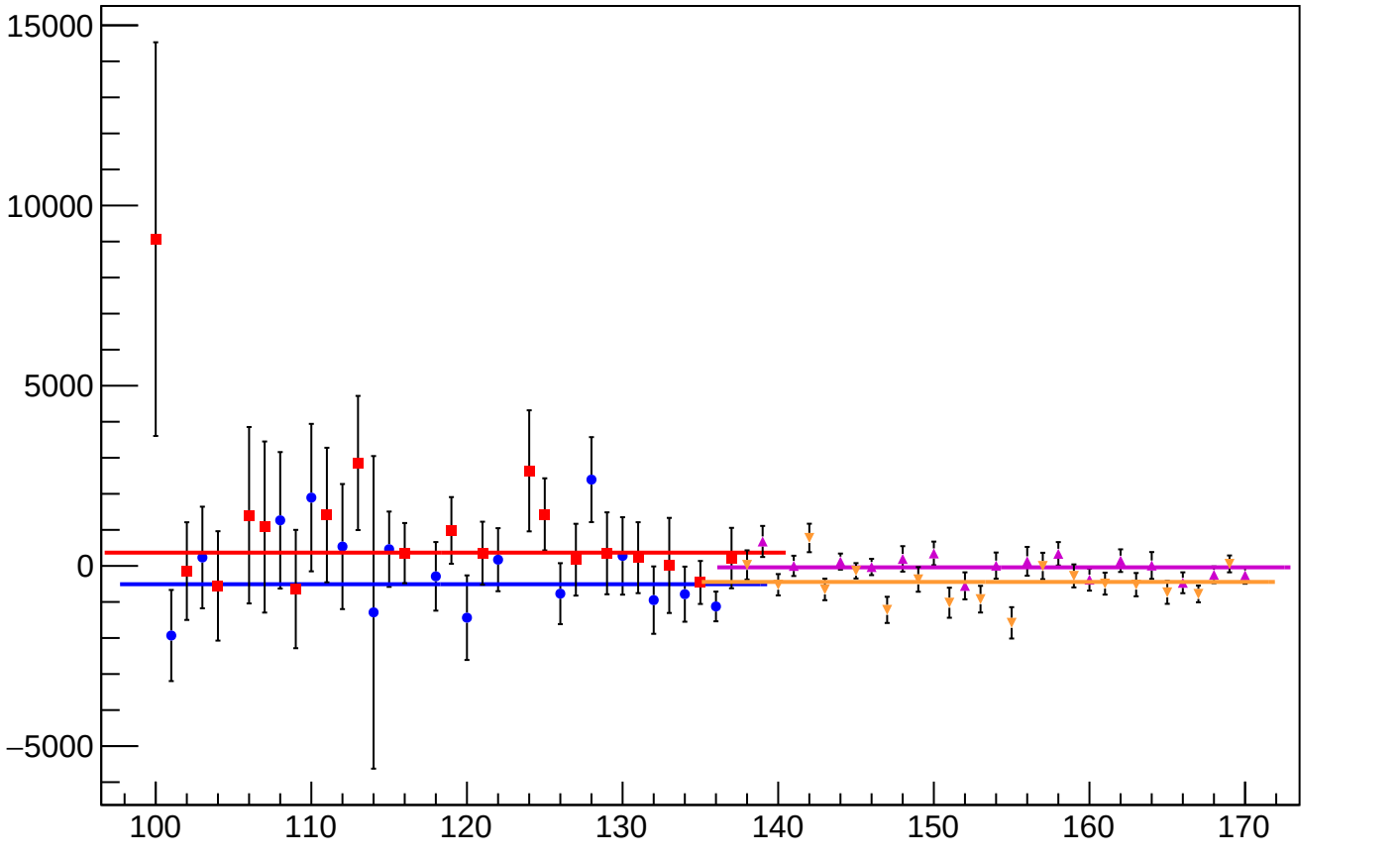
Left: 47.389+/-0.007 χ^2/NDF: 340203.1/32

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.099+/-0.008 χ^2/NDF:2382166.1/31

Out: 51.383+/-0.008 χ^2/NDF:2813369.8/35

All: 51.241+/-0.006 χ^2/NDF: 5196122.4/67



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -444.470+/-75.373 χ^2/NDF:37.8/16

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -39.512+/-73.939 χ^2/NDF:14.1/15

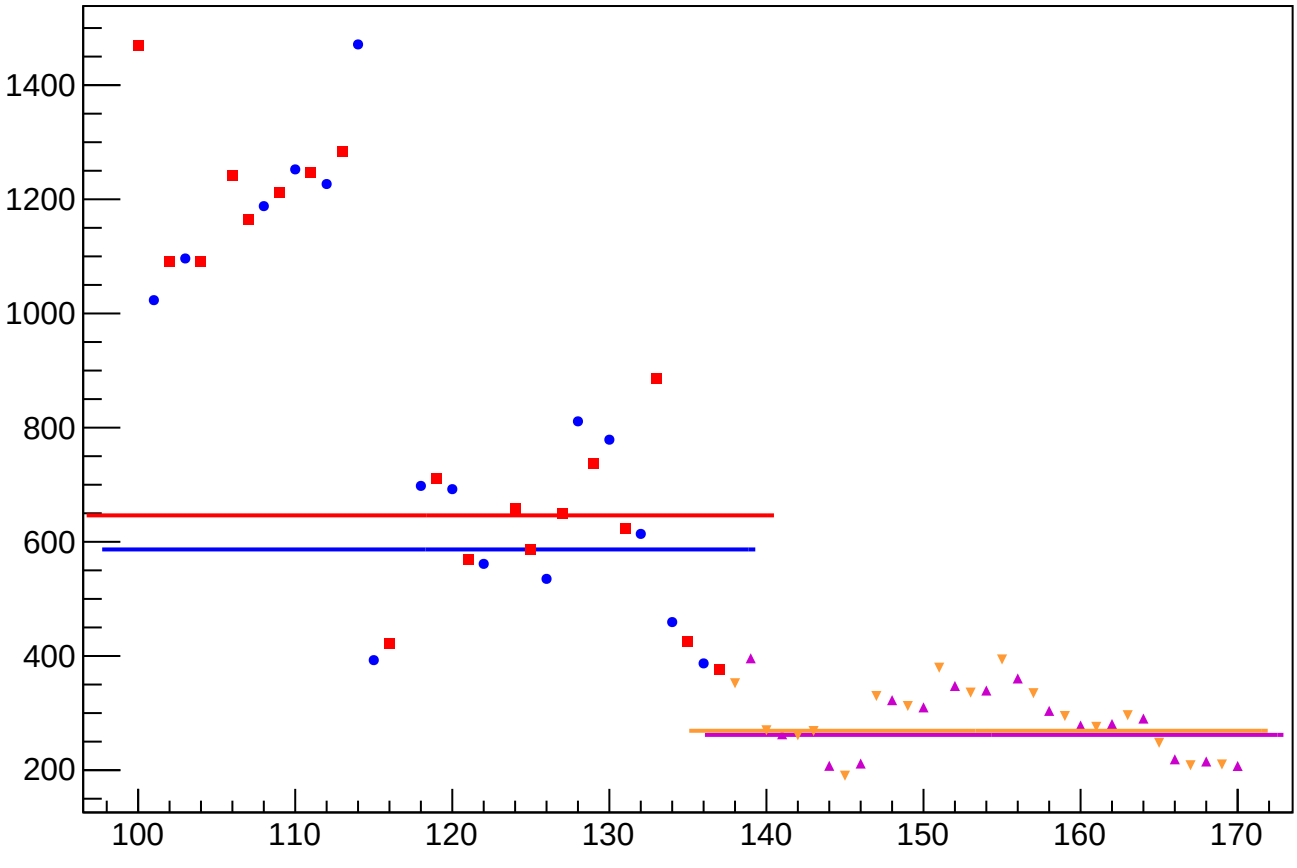
Left: -238.103+/-52.782 χ^2/NDF: 66.7/32

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -81.075+/-70.582 χ^2/NDF:33.3/31

Out: -379.880+/-72.316 χ^2/NDF:58.4/35

All: -226.853+/-50.511 χ^2/NDF: 100.4/67



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 269.030+/-0.053 χ^2/NDF:1182161.8/16

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 261.802+/-0.052 χ^2/NDF:1125824.3/15

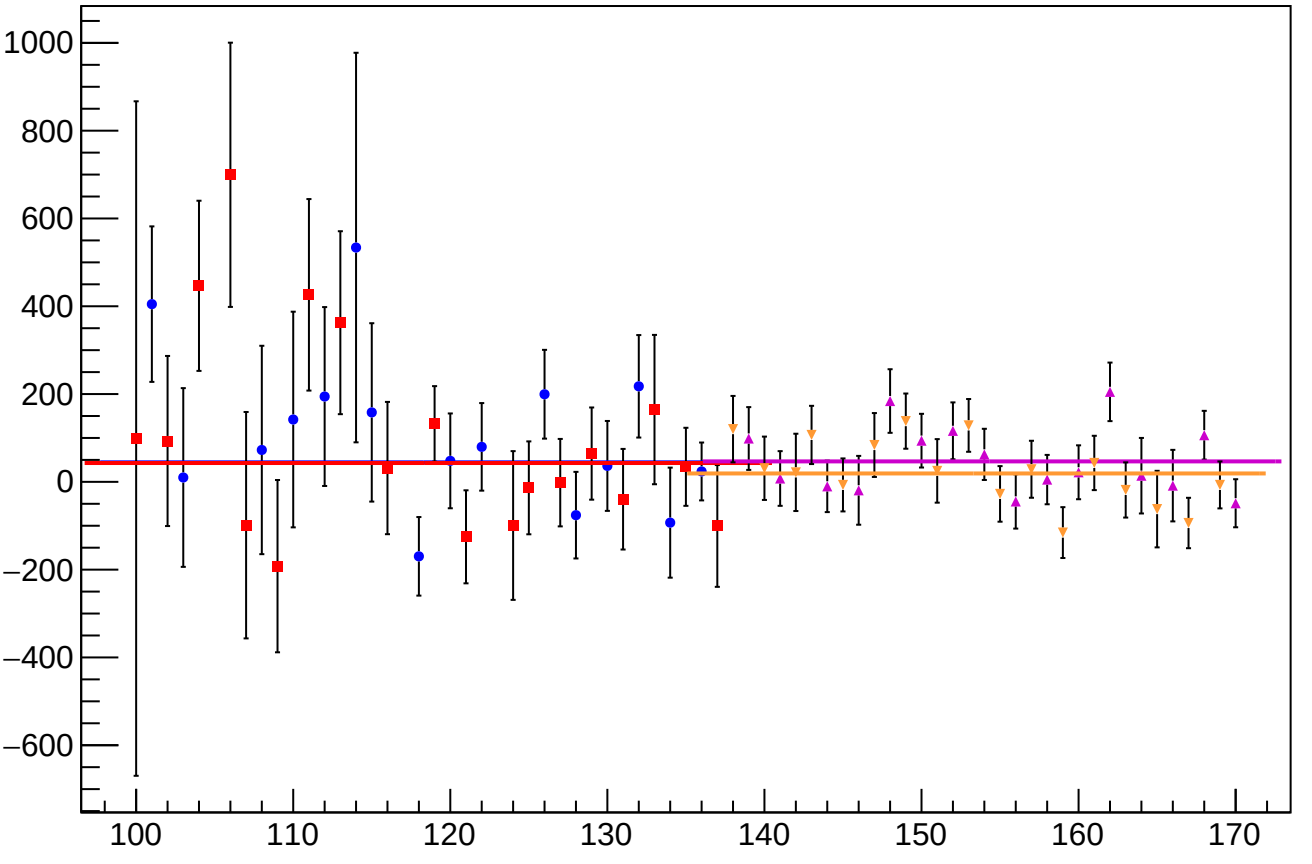
Left: 265.347+/-0.037 χ^2/NDF: 2317357.6/32

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 290.627+/-0.050 χ^2/NDF:6604501.3/31

Out: 299.012+/-0.051 χ^2/NDF:7227786.5/35

All: 294.718+/-0.036 χ^2/NDF: 13846057.3/67



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 19.123+/-15.830 χ^2/NDF:22.9/16

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.597+/-15.996 χ^2/NDF:21.3/15

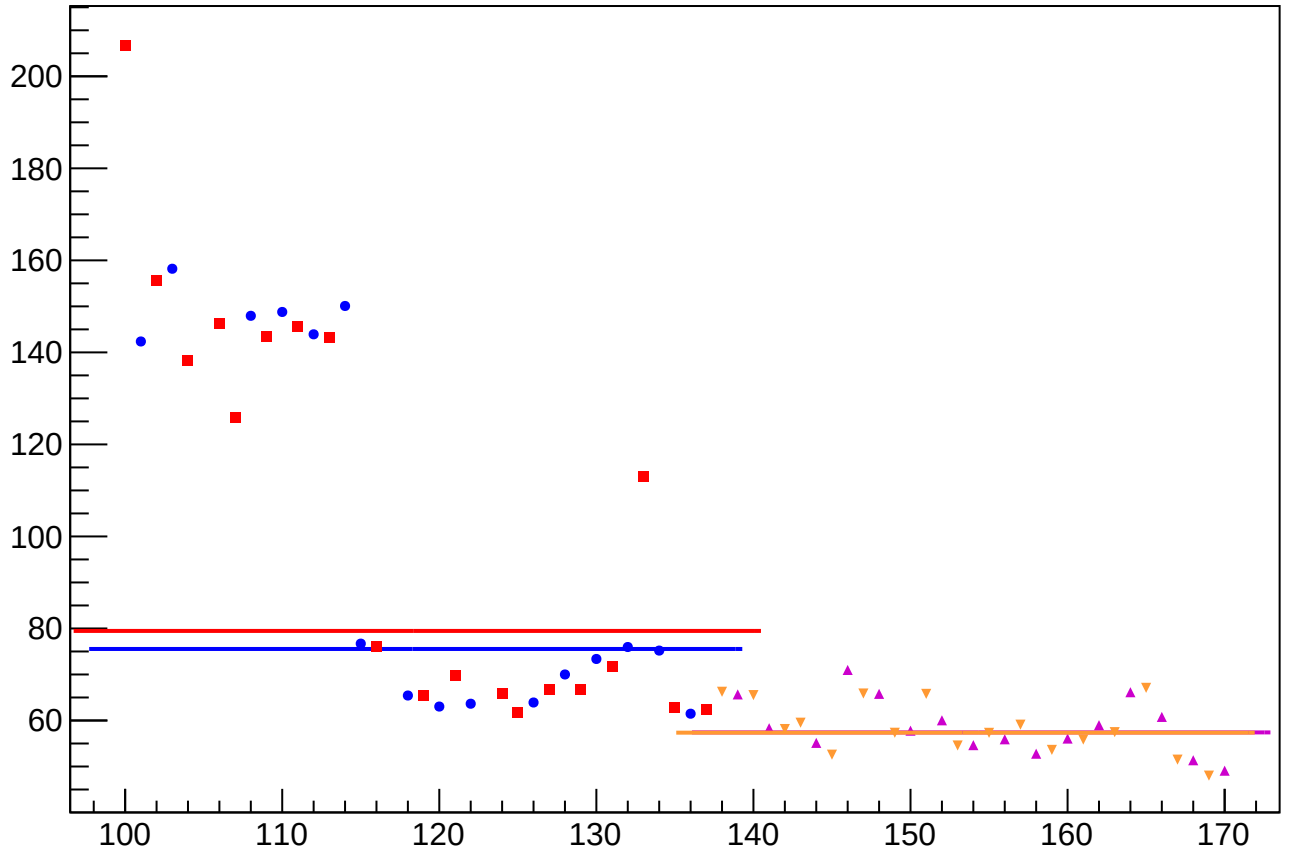
Left: 32.716+/-11.252 χ^2/NDF: 45.7/32

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.105+/-14.105 χ^2/NDF:40.9/31

Out: 23.978+/-14.121 χ^2/NDF:46.7/35

All: 35.054+/-9.980 χ^2/NDF: 88.8/67



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.355+/-0.011 χ^2/NDF:244570.1/16

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.411+/-0.011 χ^2/NDF:235506.0/15

Left: 57.383+/-0.008 χ^2/NDF: 480088.5/32

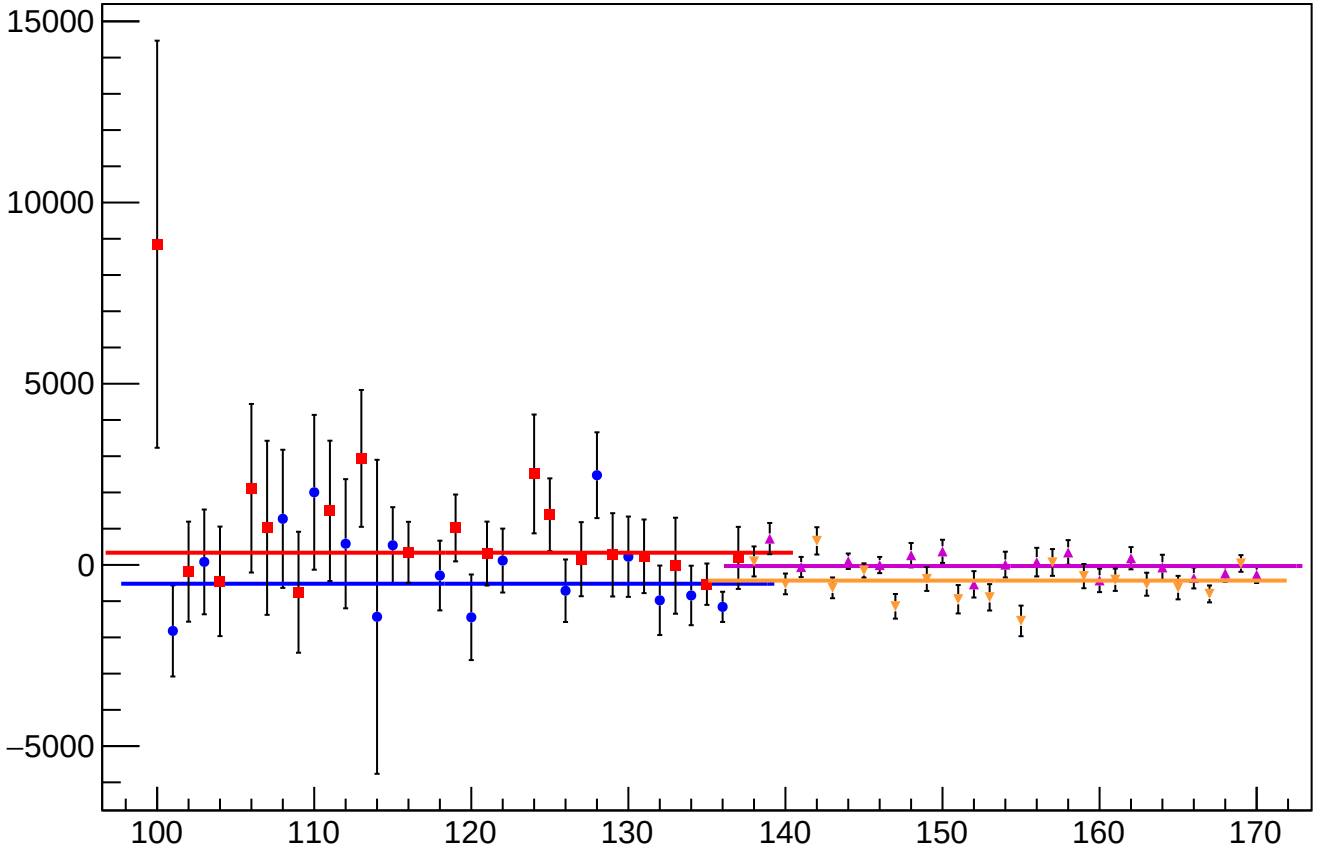
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.445+/-0.010 χ^2/NDF:2272689.4/31

Out: 61.871+/-0.010 χ^2/NDF:2725011.6/35

All: 61.657+/-0.007 χ^2/NDF: 4998612.1/67

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: -432.389+/-73.636 χ^2/NDF:36.5/16

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: -30.687+/-72.946 χ^2/NDF:14.4/15

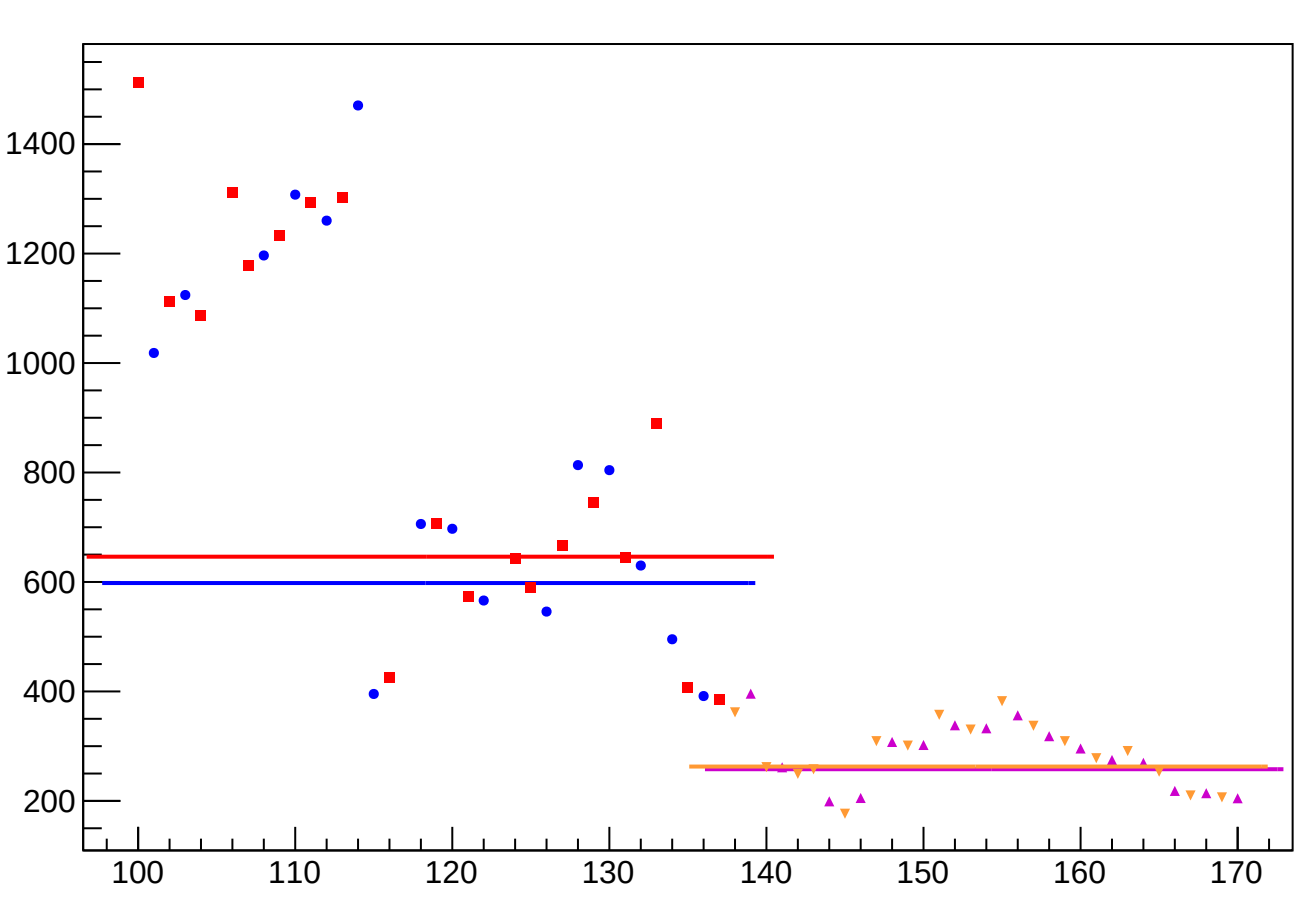
Left: -229.646+/-51.823 χ^2/NDF: 65.9/32

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -71.592+/-69.825 χ^2/NDF:33.9/31

Out: -373.878+/-70.780 χ^2/NDF:56.7/35

All: -220.683+/-49.708 χ^2/NDF: 99.9/67



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 262.770+/-0.052 χ^2/NDF:1277815.5/16

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 257.890+/-0.052 χ^2/NDF:1177079.5/15

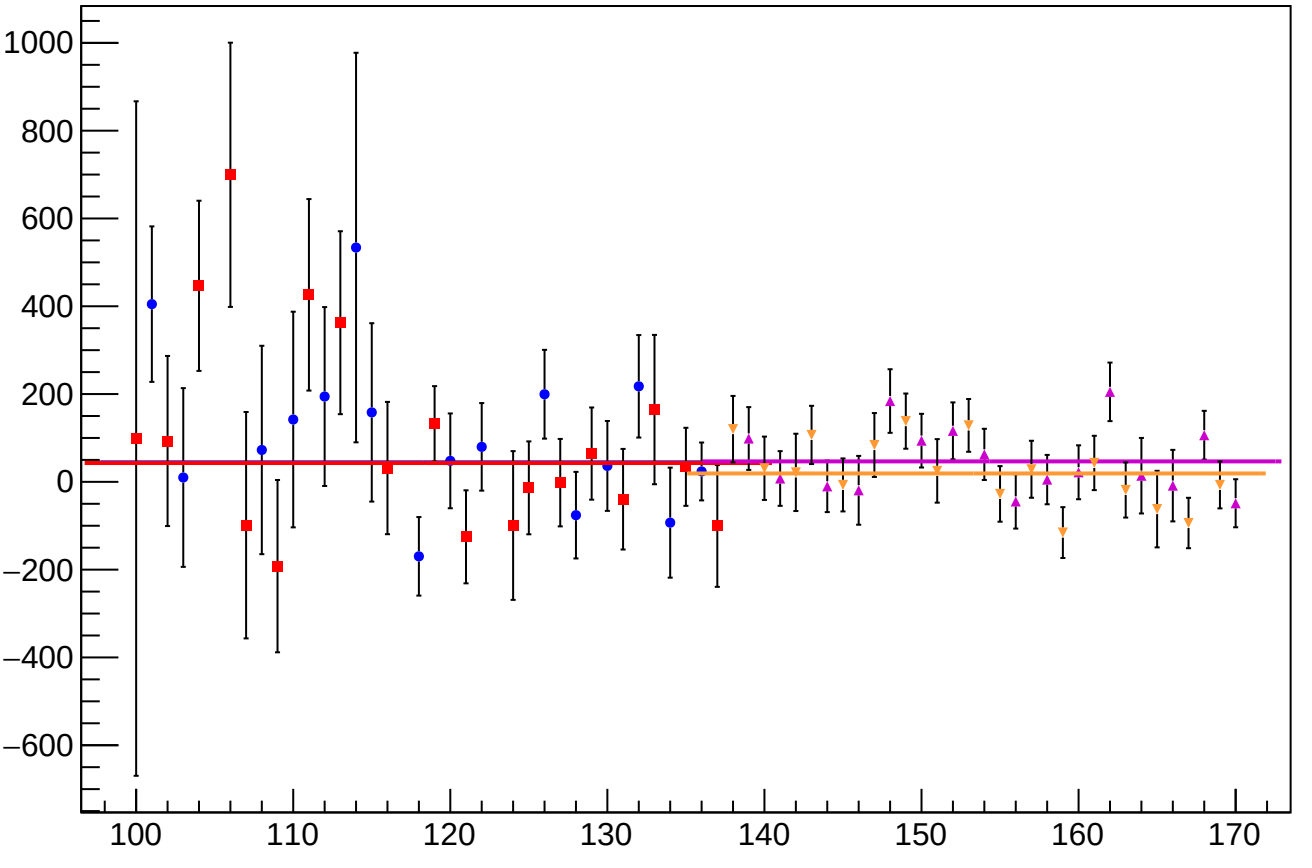
Left: 260.307+/-0.037 χ^2/NDF: 2459328.5/32

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 286.369+/-0.049 χ^2/NDF:6866008.9/31

Out: 291.939+/-0.050 χ^2/NDF:7608429.5/35

All: 289.116+/-0.035 χ^2/NDF: 14480714.7/67



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 19.123+/-15.830 χ^2/NDF:22.9/16

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.595+/-15.996 χ^2/NDF:21.3/15

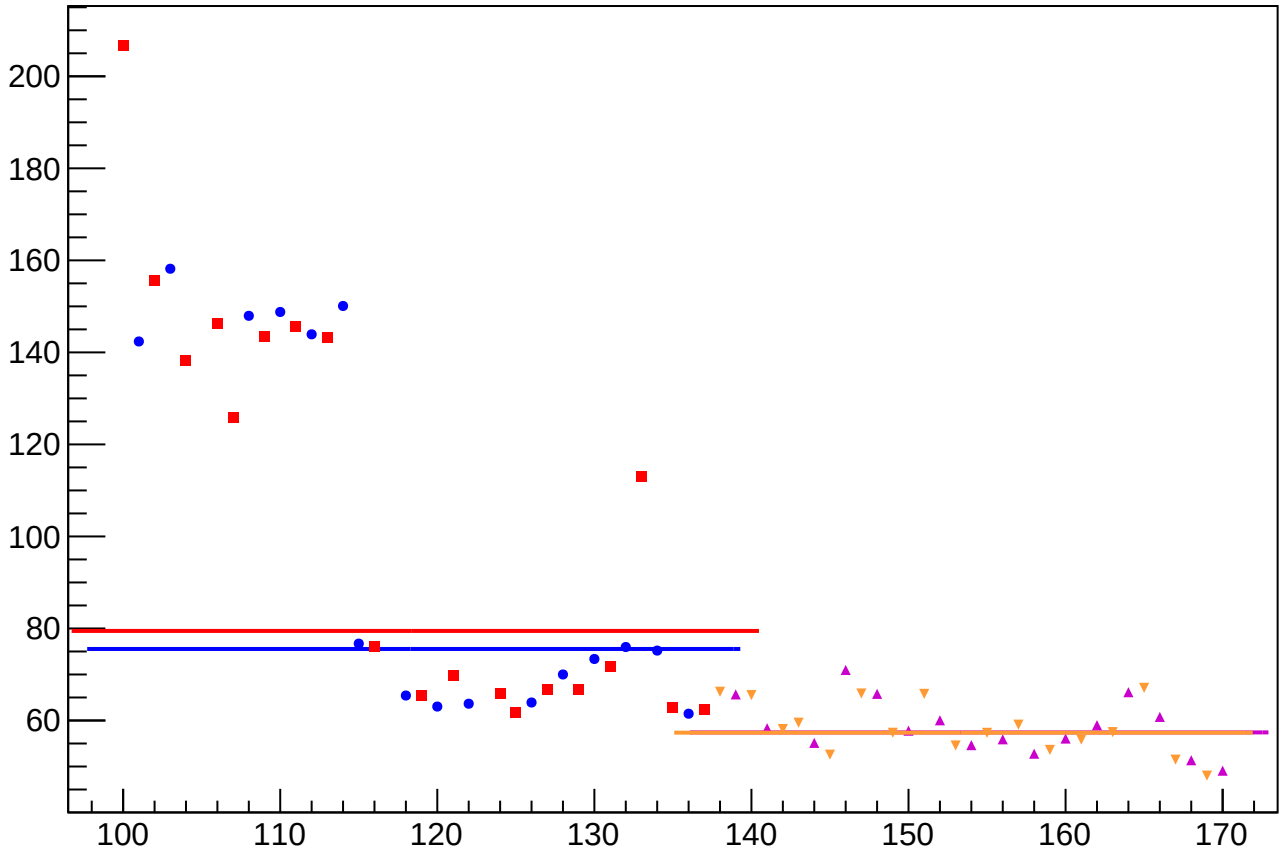
Left: 32.715+/-11.252 χ^2/NDF: 45.7/32

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.104+/-14.105 χ^2/NDF:40.9/31

Out: 23.979+/-14.121 χ^2/NDF:46.7/35

All: 35.054+/-9.980 χ^2/NDF: 88.8/67



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 57.356+/-0.011 χ^2/NDF:244566.8/16

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.412+/-0.011 χ^2/NDF:235504.7/15

Left: 57.383+/-0.008 χ^2/NDF: 480083.9/32

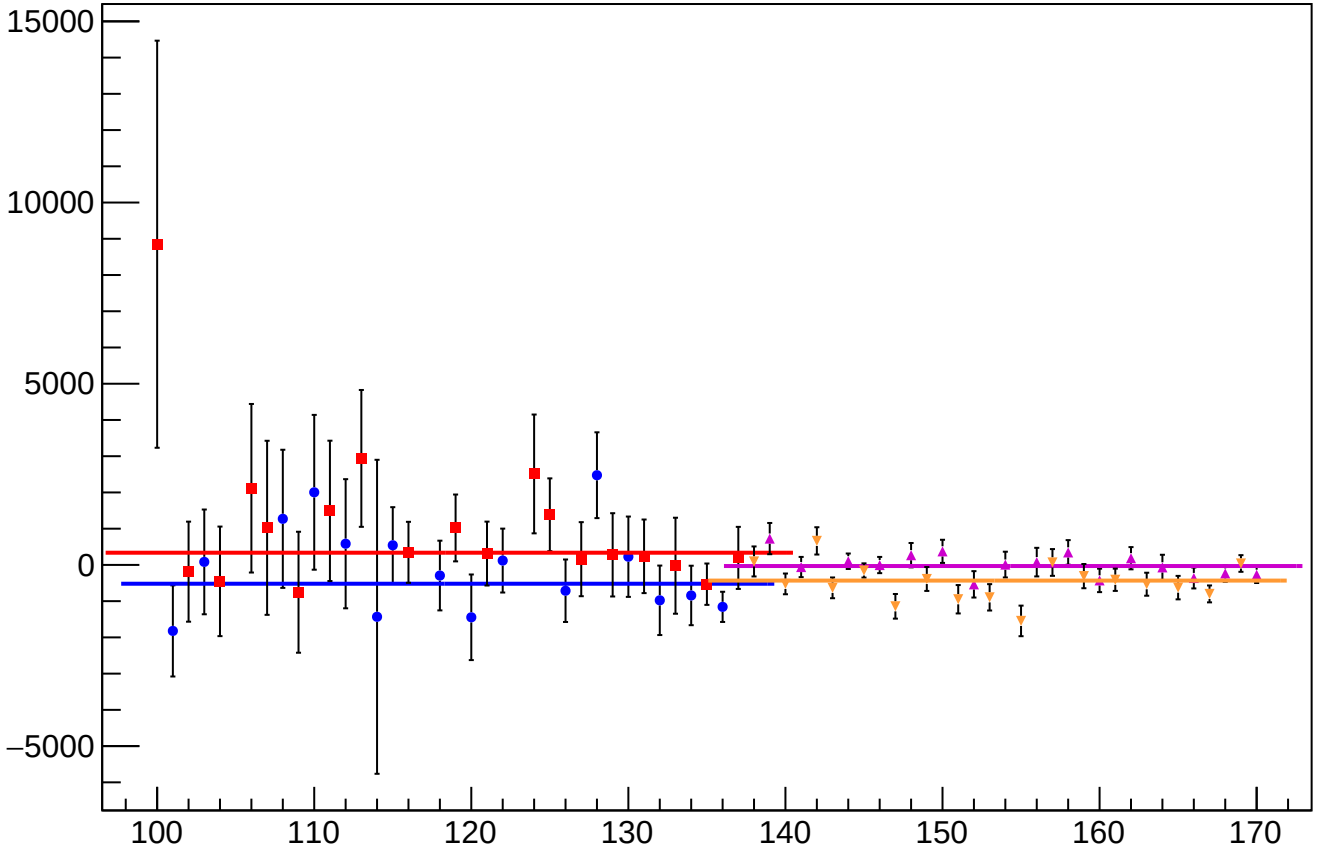
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.445+/-0.010 χ^2/NDF:2272643.0/31

Out: 61.871+/-0.010 χ^2/NDF:2724974.7/35

All: 61.658+/-0.007 χ^2/NDF: 4998528.5/67

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: -432.388+/-73.636 χ^2/NDF:36.5/16

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -30.688+/-72.946 χ^2/NDF:14.4/15

Left: -229.646+/-51.823 χ^2/NDF: 65.9/32

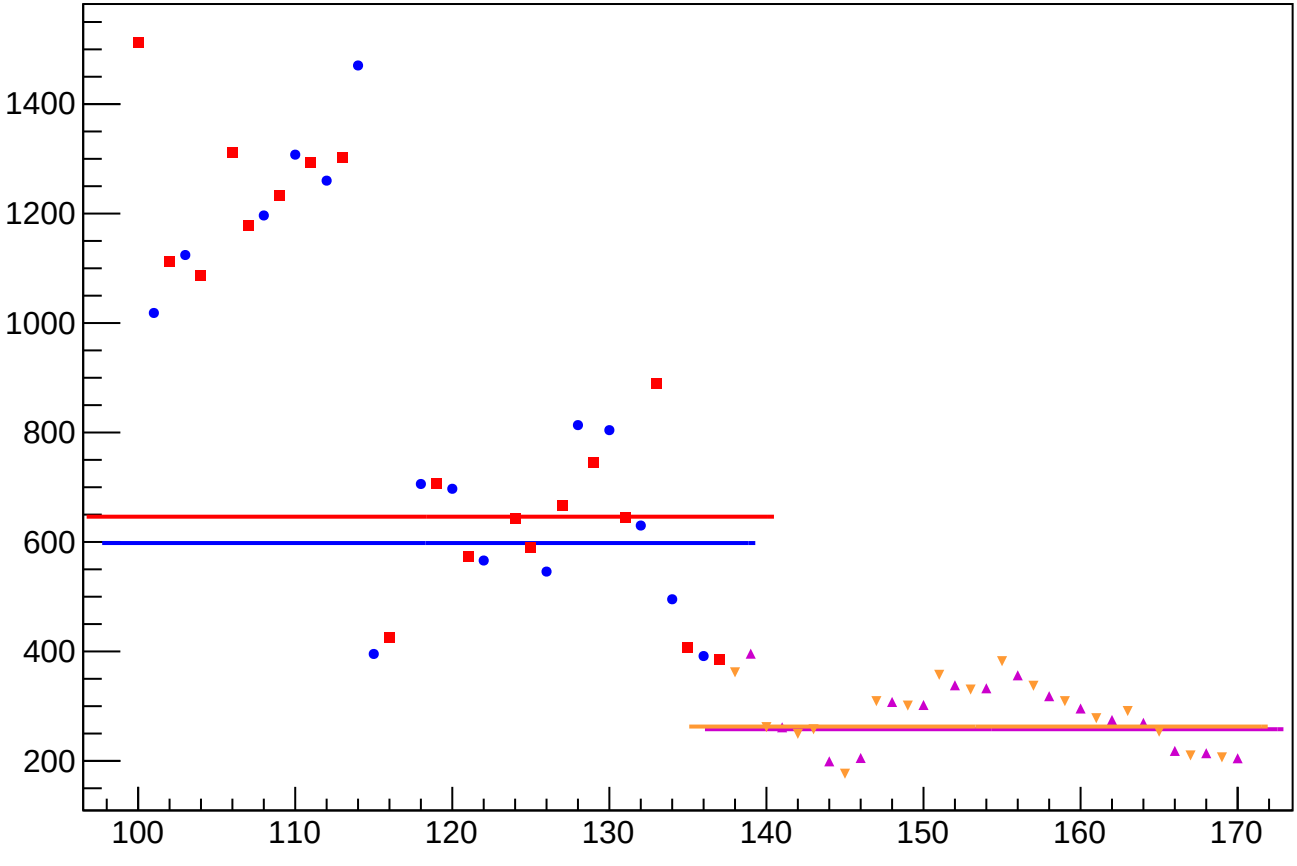
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -71.592+/-69.825 χ^2/NDF:33.9/31

Out: -373.877+/-70.780 χ^2/NDF:56.7/35

All: -220.683+/-49.708 χ^2/NDF: 99.9/67

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: 262.770+/-0.052 χ^2/NDF:1277826.9/16

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 257.890+/-0.052 χ^2/NDF:1177081.2/15

Left: 260.307+/-0.037 χ^2/NDF: 2459341.4/32

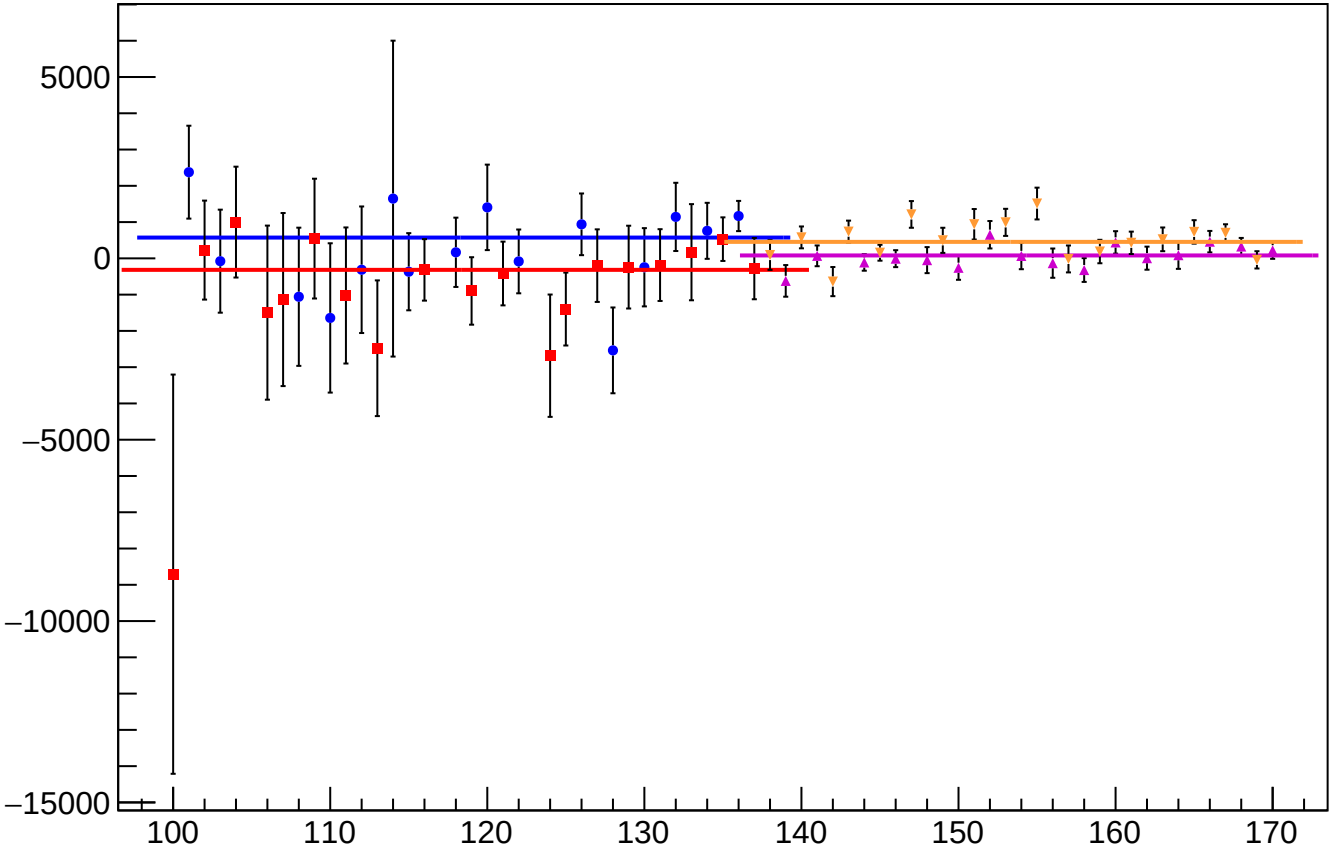
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 286.369+/-0.049 χ^2/NDF:6866002.5/31

Out: 291.938+/-0.050 χ^2/NDF:7608439.0/35

All: 289.116+/-0.035 χ^2/NDF: 14480717.5/67

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 454.634+/-76.650 χ^2/NDF:33.1/16

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 80.452+/-75.310 χ^2/NDF:13.2/15

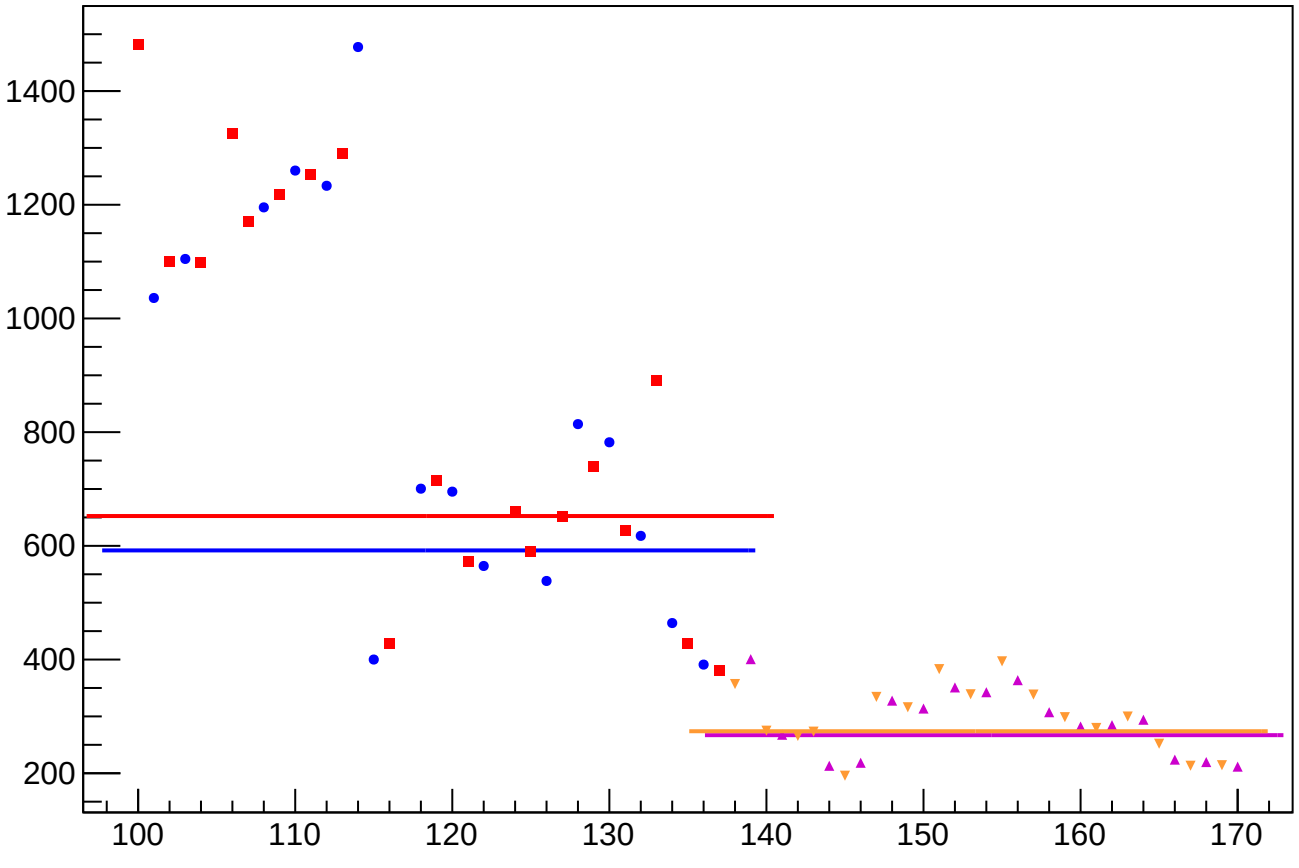
Left: 264.243+/-53.720 χ^2/NDF: 58.4/32

Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 125.000+/-71.826 χ^2/NDF:33.6/31

Out: 392.170+/-73.482 χ^2/NDF:52.3/35

All: 255.542+/-51.364 χ^2/NDF: 92.7/67



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 273.905+/-0.054 χ^2/NDF:1125896.2/16

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 267.000+/-0.053 χ^2/NDF:1065650.9/15

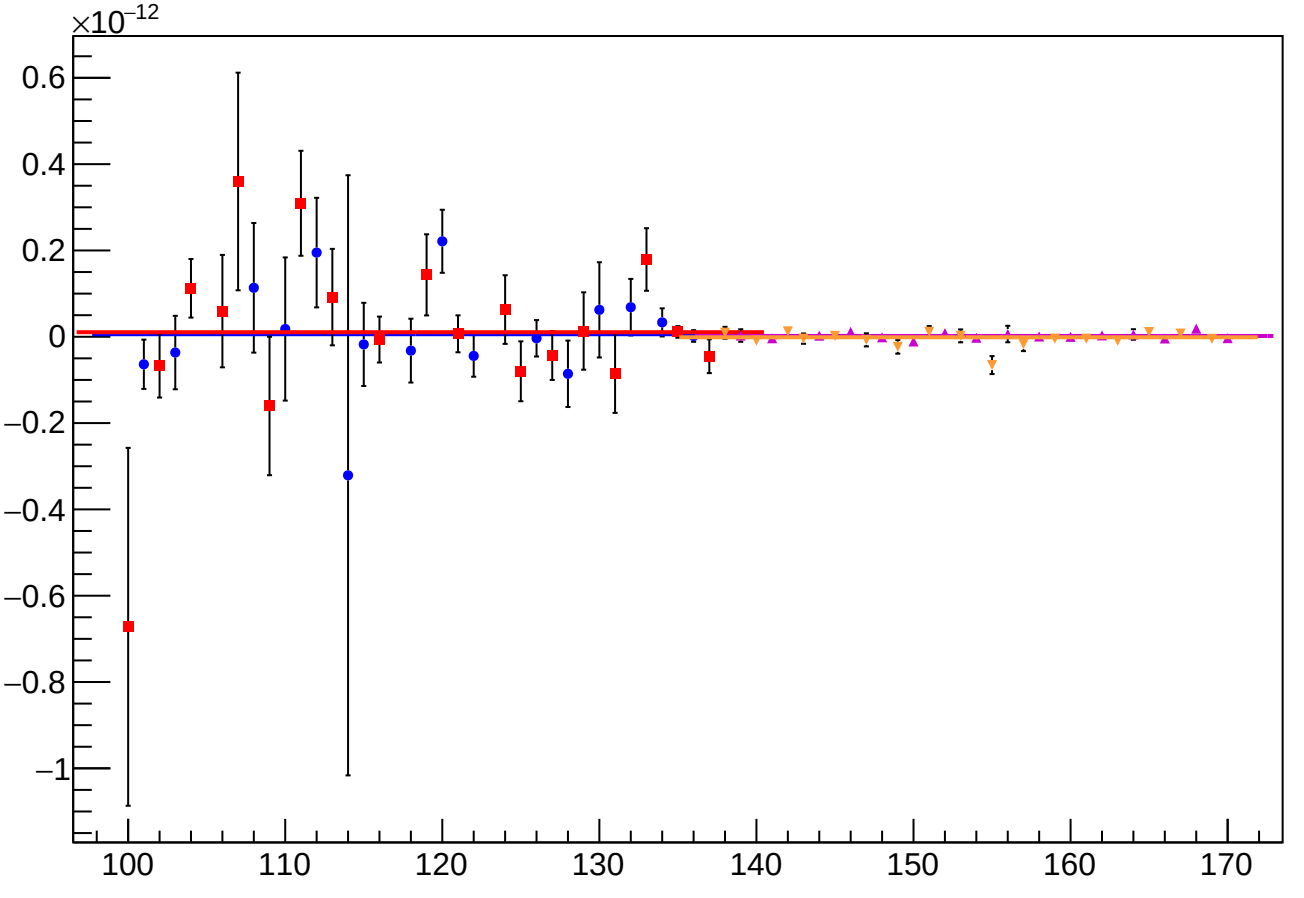
Left: 270.391+/-0.038 χ^2/NDF: 2199805.7/32

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 296.370+/-0.051 χ^2/NDF:6467089.7/31

Out: 304.556+/-0.052 χ^2/NDF:7165674.9/35

All: 300.369+/-0.036 χ^2/NDF: 13645457.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/15

Left: 0.000+/-0.000 χ^2/NDF: 31.5/32

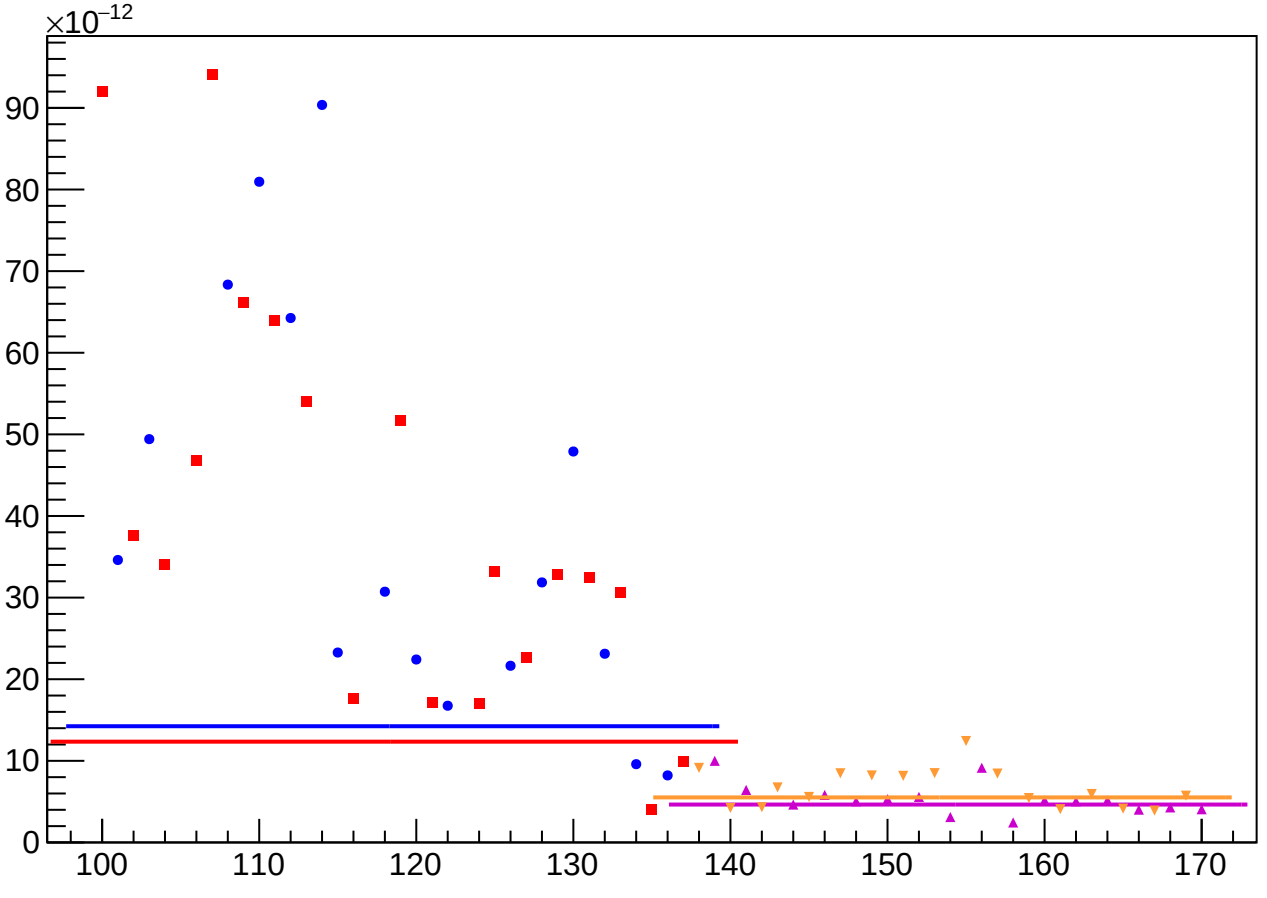
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:27.5/31

Out: -0.000+/-0.000 χ^2/NDF:52.2/35

All: 0.000+/-0.000 χ^2/NDF: 80.4/67

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1064451.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:804083.9/15

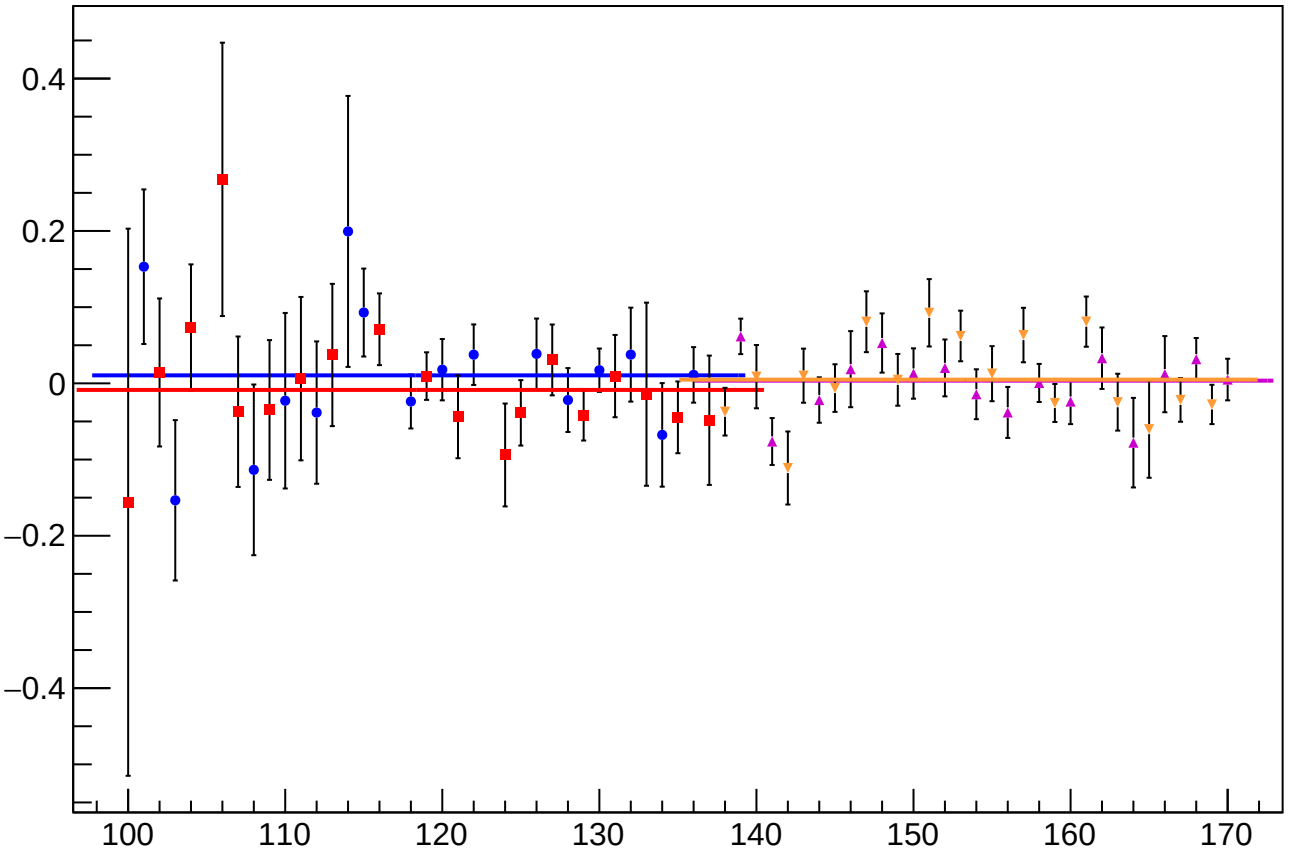
Left: 0.000+/-0.000 χ^2/NDF: 2000473.3/32

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4883198.2/31

Out: 0.000+/-0.000 χ^2/NDF:5331861.4/35

All: 0.000+/-0.000 χ^2/NDF: 10329223.0/67



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/16

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.008 χ^2/NDF:21.9/15

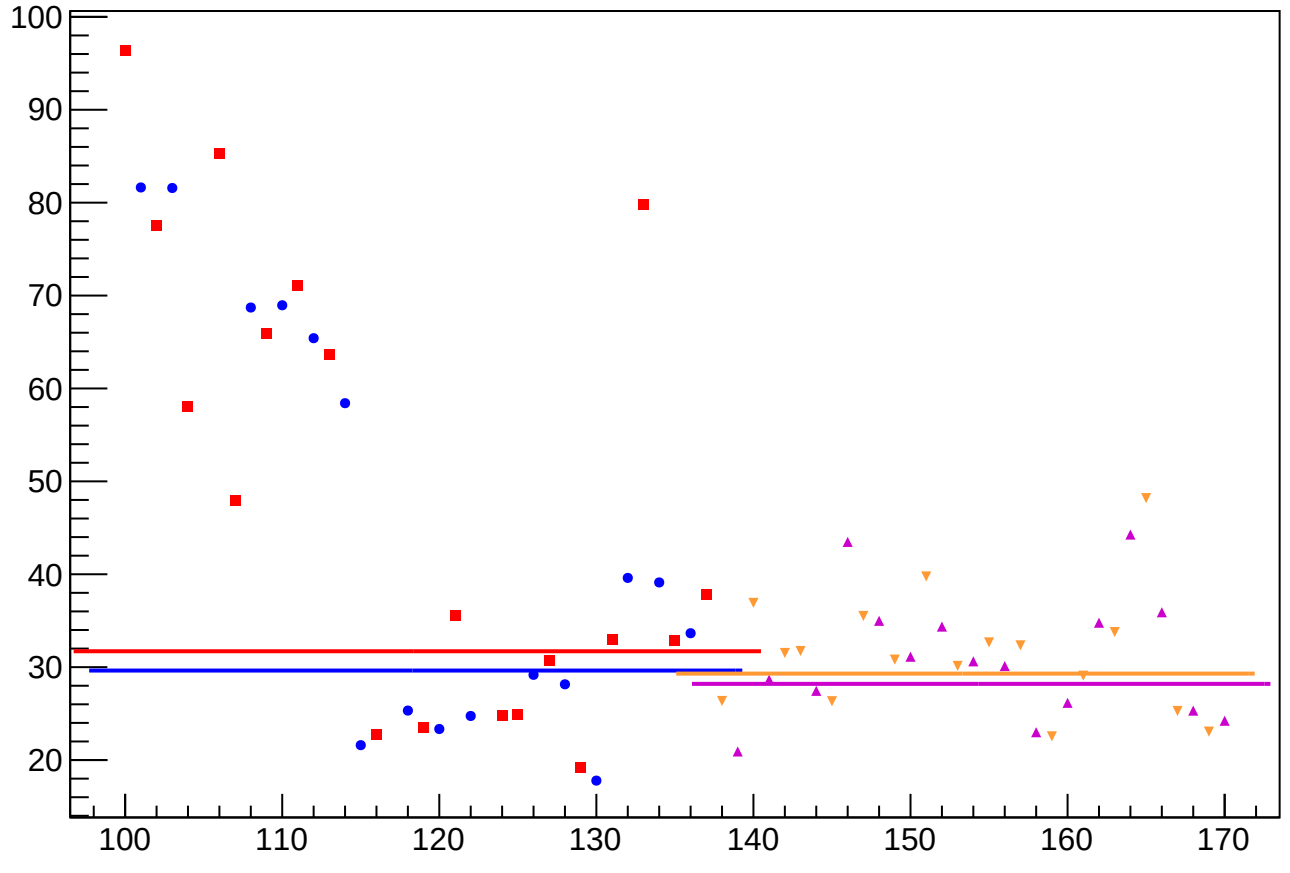
Left: 0.004+/-0.006 χ^2/NDF: 54.0/32

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.2/35

All: 0.003+/-0.005 χ^2/NDF: 80.7/67



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.306+/-0.006 χ^2/NDF:821151.4/16

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.201+/-0.006 χ^2/NDF:943718.0/15

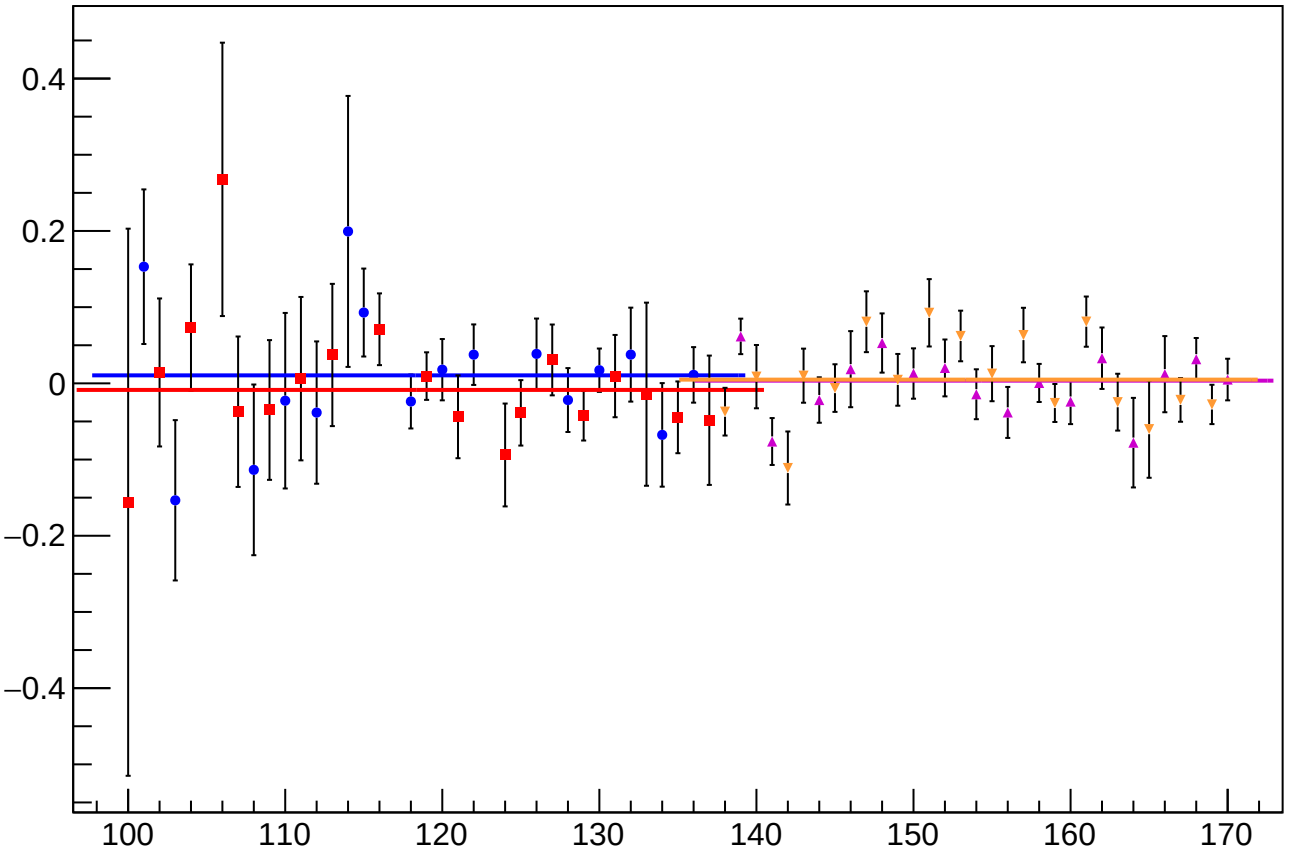
Left: 28.741+/-0.004 χ^2/NDF: 1783028.4/32

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.623+/-0.005 χ^2/NDF:3410580.0/31

Out: 29.985+/-0.005 χ^2/NDF:3520028.5/35

All: 29.282+/-0.003 χ^2/NDF: 6969345.7/67



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/16

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.008 χ^2/NDF:21.9/15

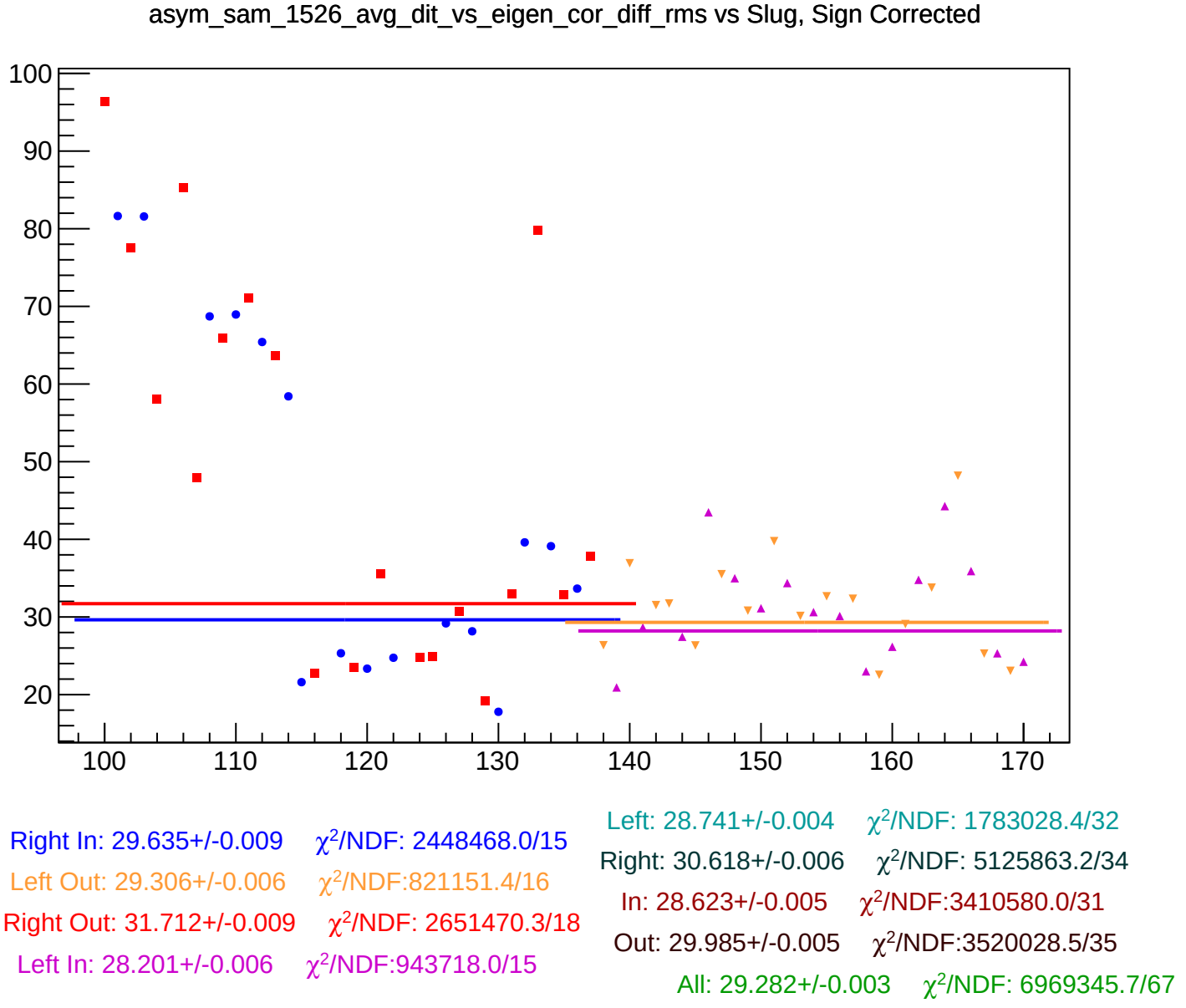
Left: 0.004+/-0.006 χ^2/NDF: 54.0/32

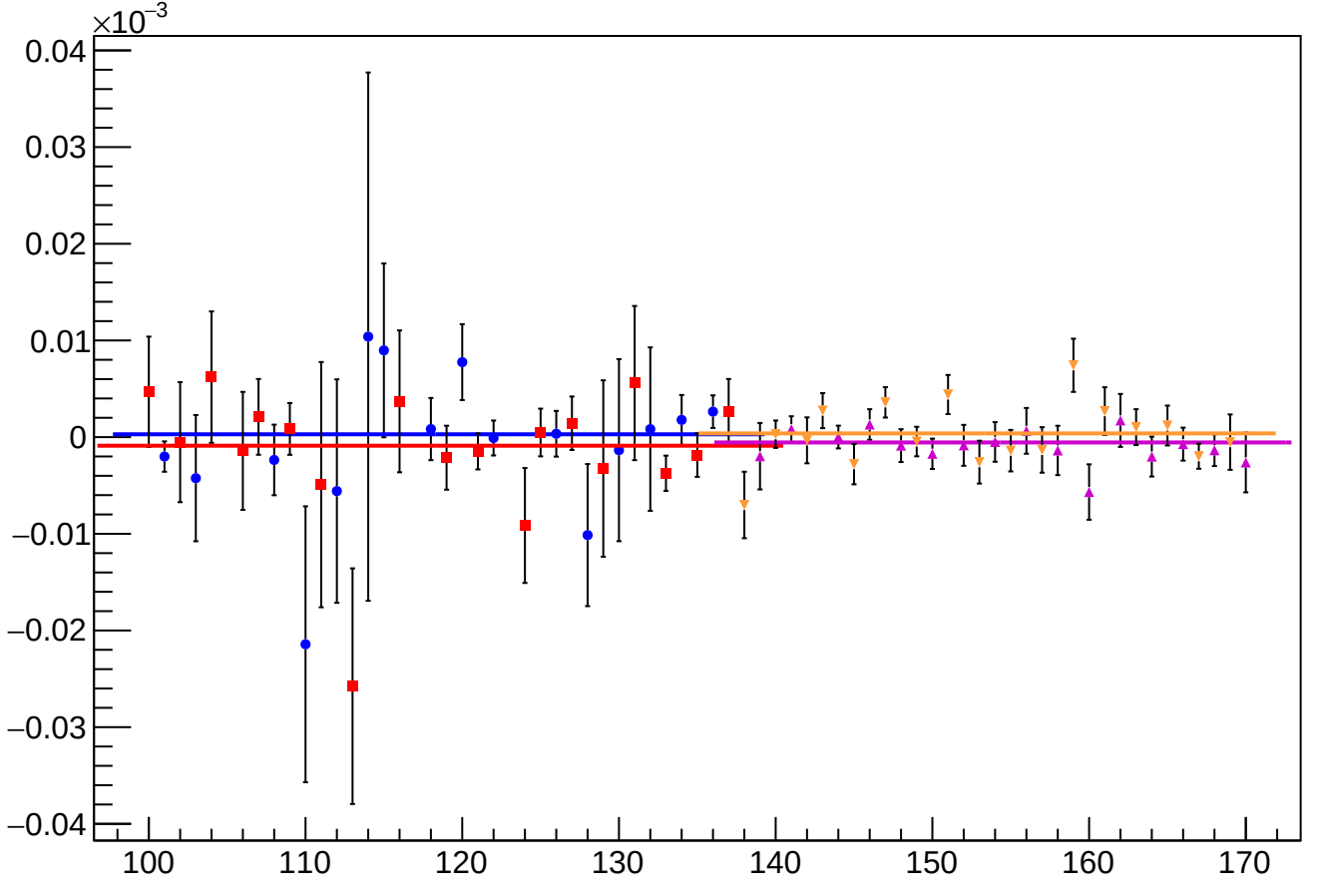
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.2/35

All: 0.003+/-0.005 χ^2/NDF: 80.7/67


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 29.306+/-0.006 χ²/NDF:821151.4/16
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.201+/-0.006 χ²/NDF:943718.0/15
Left: 28.741+/-0.004 χ²/NDF: 1783028.4/32
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 28.623+/-0.005 χ²/NDF:3410580.0/31
Out: 29.985+/-0.005 χ²/NDF:3520028.5/35
All: 29.282+/-0.003 χ²/NDF: 6969345.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/15

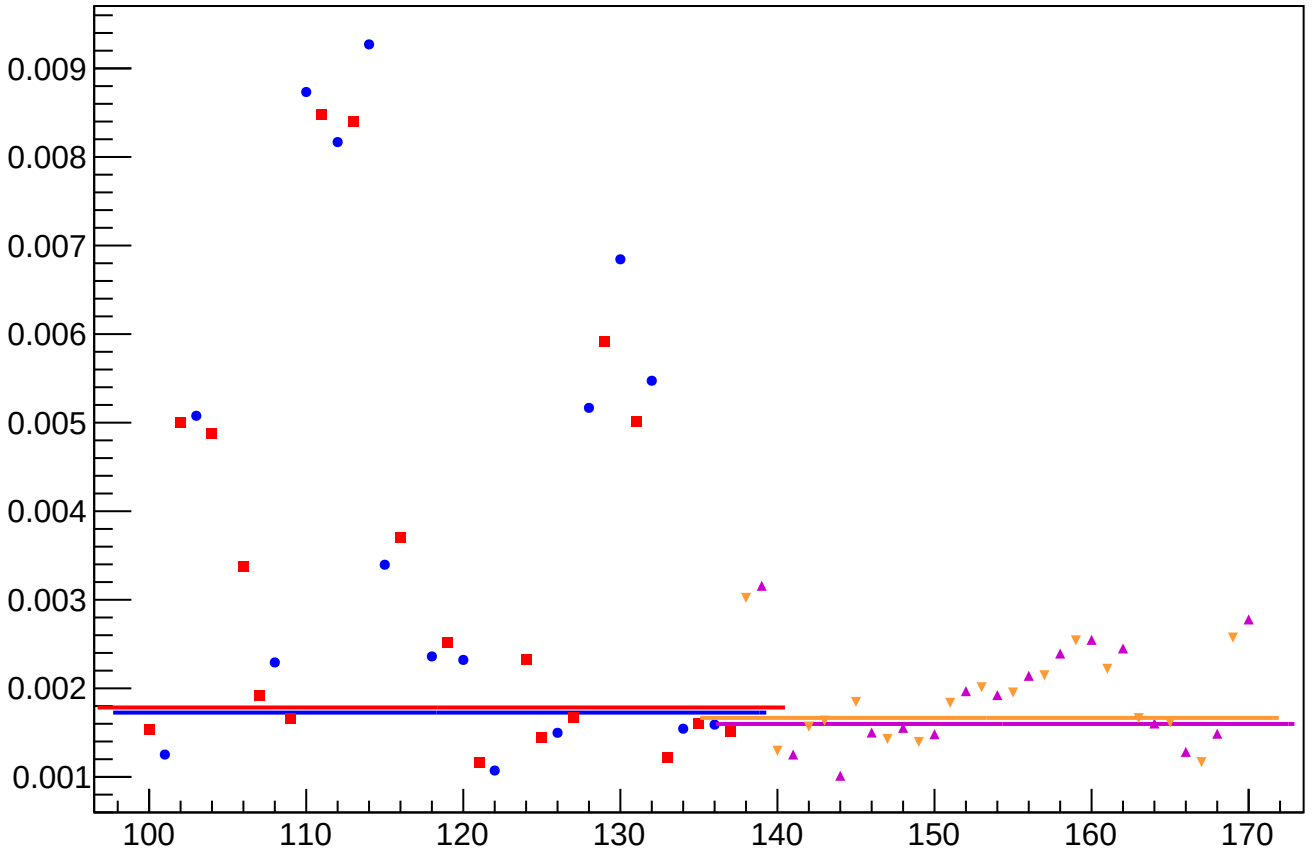
Left: -0.000+/-0.000 χ^2/NDF: 42.2/32

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/31

Out: 0.000+/-0.000 χ^2/NDF:48.7/35

All: -0.000+/-0.000 χ^2/NDF: 73.7/67



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1559467.1/16

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2252847.8/15

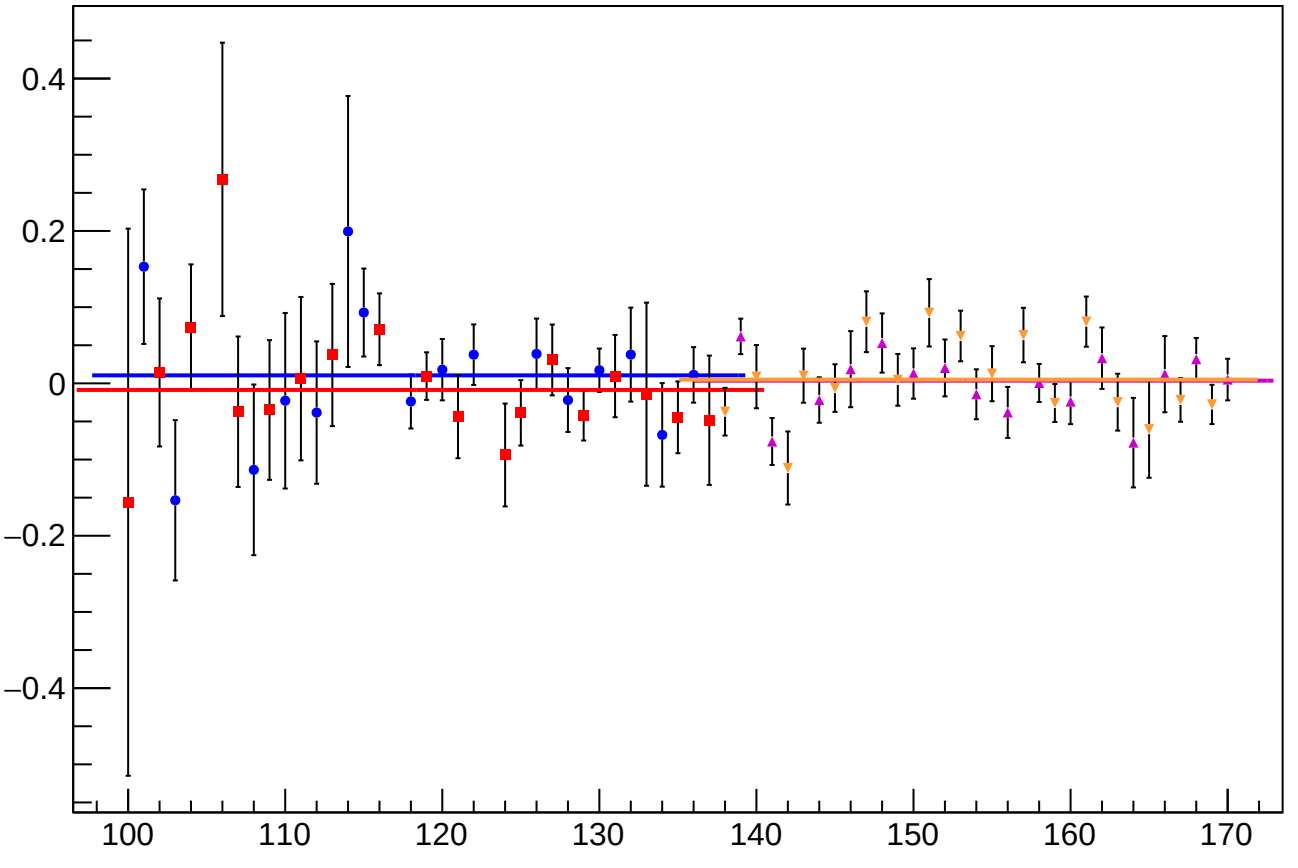
Left: 0.002+/-0.000 χ^2/NDF: 3833672.9/32

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:6226383.6/31

Out: 0.002+/-0.000 χ^2/NDF:5311771.8/35

All: 0.002+/-0.000 χ^2/NDF: 11564752.8/67



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/16

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.008 χ^2/NDF:21.9/15

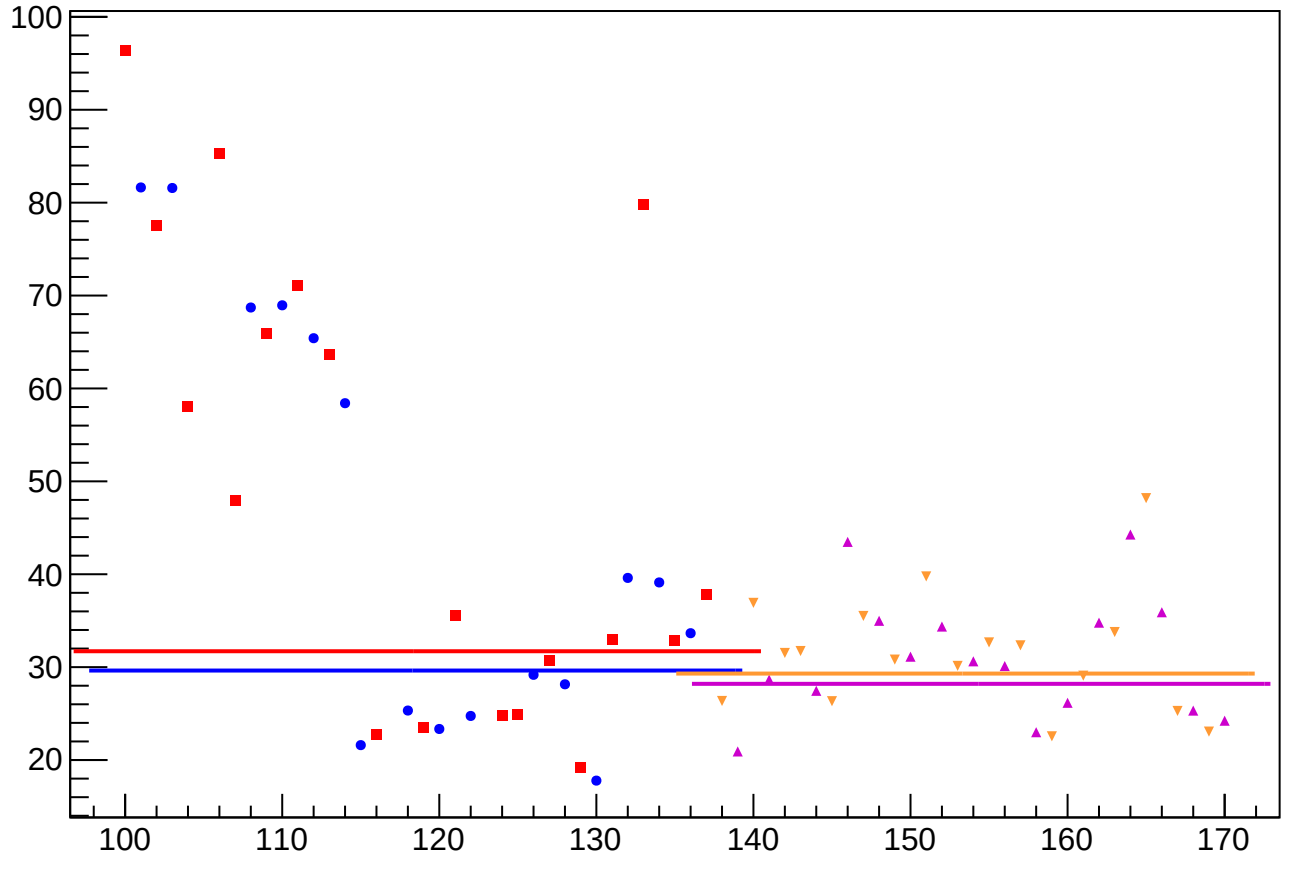
Left: 0.004+/-0.006 χ^2/NDF: 54.0/32

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.2/35

All: 0.003+/-0.005 χ^2/NDF: 80.7/67



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.307+/-0.006 χ^2/NDF:821152.1/16

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.202+/-0.006 χ^2/NDF:943722.0/15

Left: 28.741+/-0.004 χ^2/NDF: 1783028.0/32

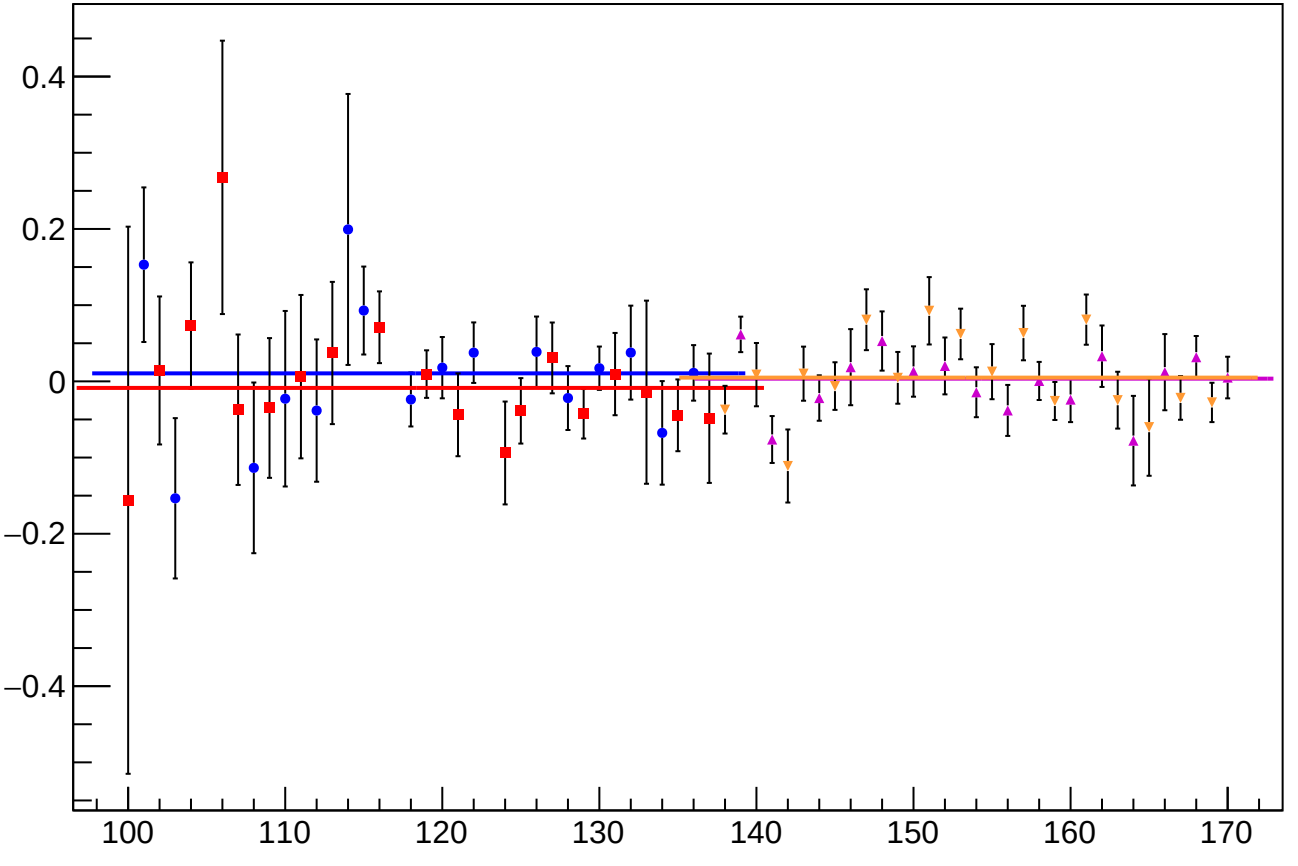
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.623+/-0.005 χ^2/NDF:3410744.1/31

Out: 29.985+/-0.005 χ^2/NDF:3520137.7/35

All: 29.282+/-0.003 χ^2/NDF: 6969614.5/67

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/16

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.008 χ^2/NDF:21.9/15

Left: 0.004+/-0.006 χ^2/NDF: 54.0/32

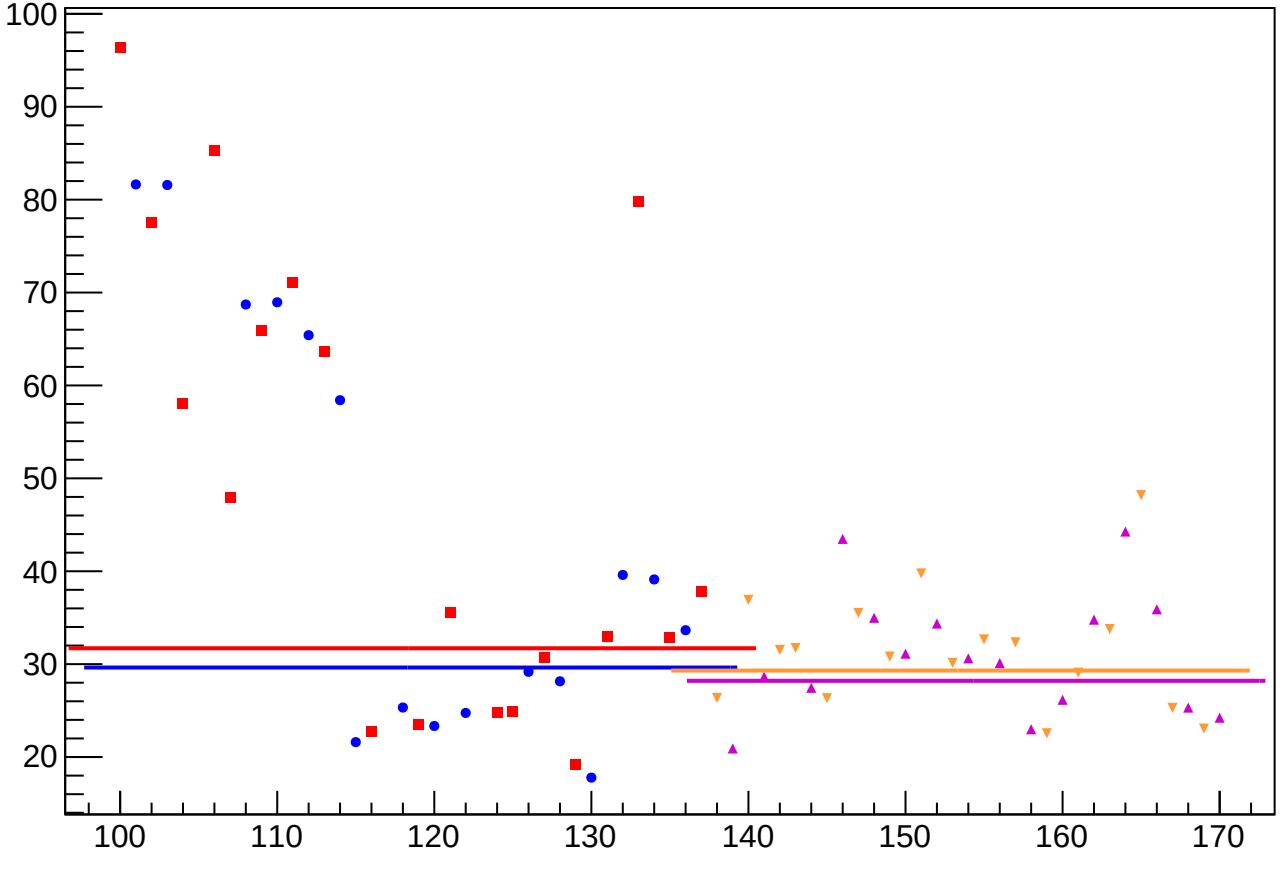
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.2/35

All: 0.003+/-0.005 χ^2/NDF: 80.7/67

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.307+/-0.006 χ^2/NDF:821152.1/16

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.202+/-0.006 χ^2/NDF:943722.0/15

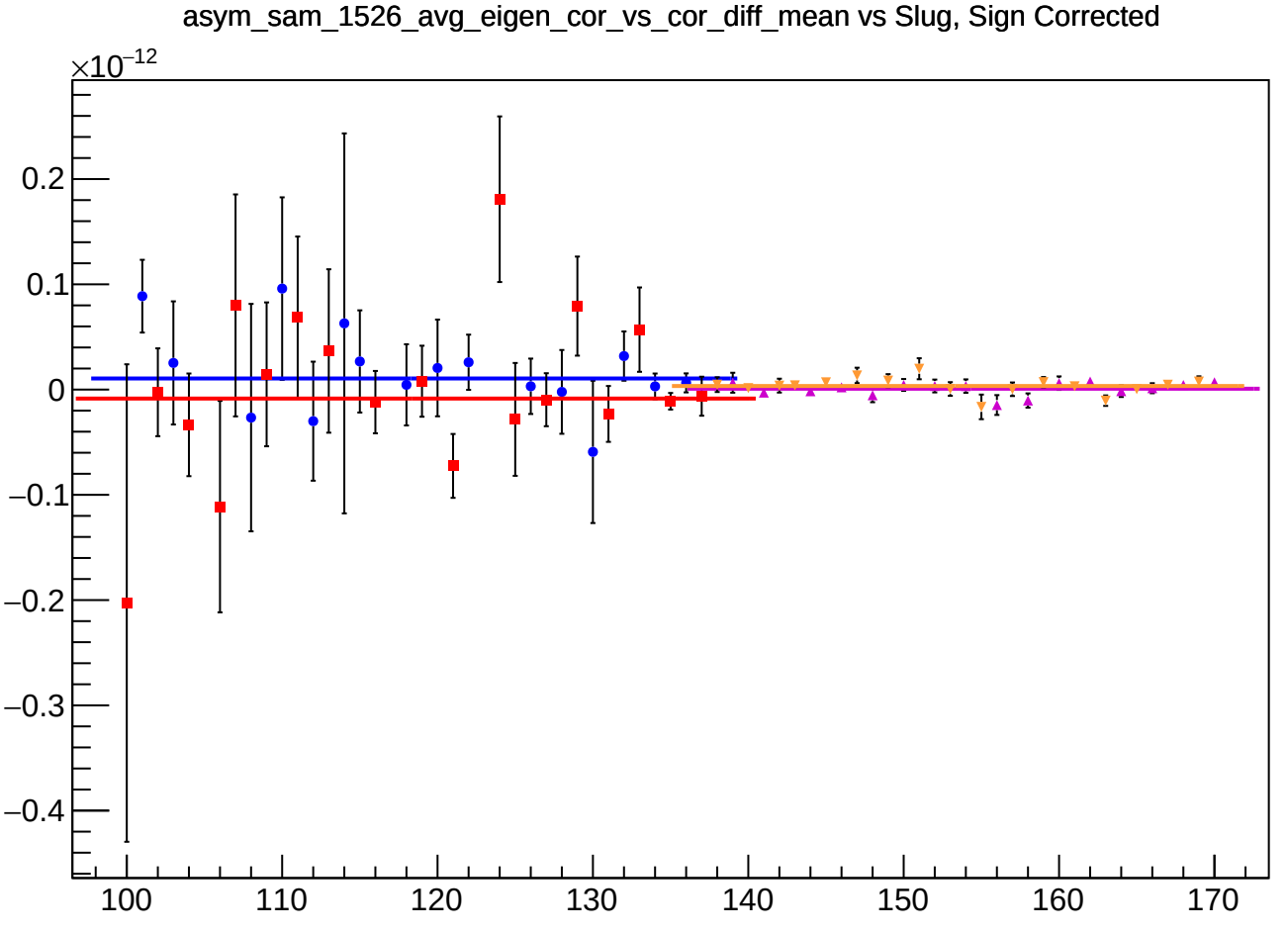
Left: 28.741+/-0.004 χ^2/NDF: 1783028.0/32

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

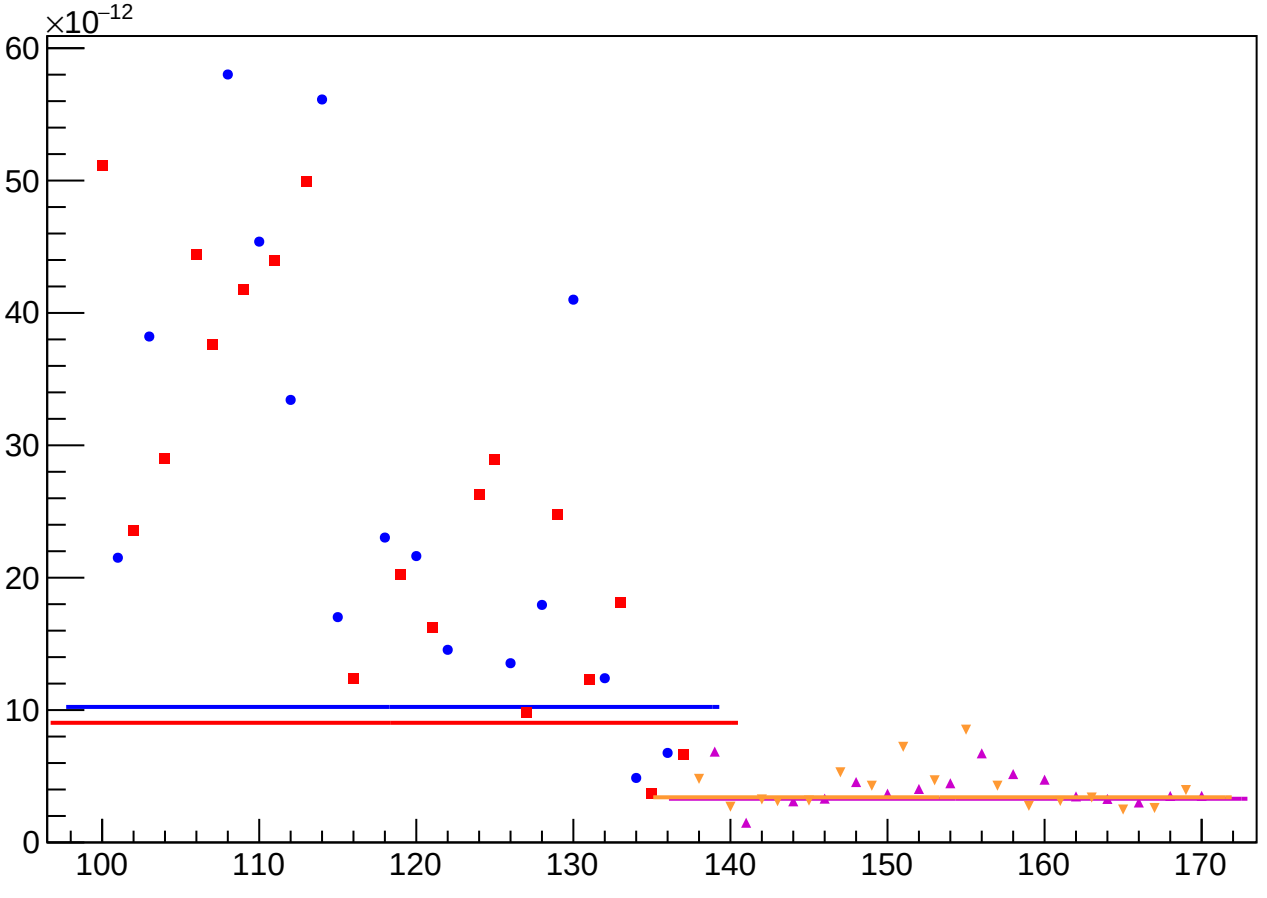
In: 28.623+/-0.005 χ^2/NDF:3410744.1/31

Out: 29.985+/-0.005 χ^2/NDF:3520137.7/35

All: 29.282+/-0.003 χ^2/NDF: 6969614.5/67


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:19.3/16
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:15.1/15
Left: 0.000+/-0.000 χ²/NDF: 36.5/32
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:27.7/31
Out: 0.000+/-0.000 χ²/NDF:44.6/35
All: 0.000+/-0.000 χ²/NDF: 73.2/67

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:1386853.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1905773.8/15

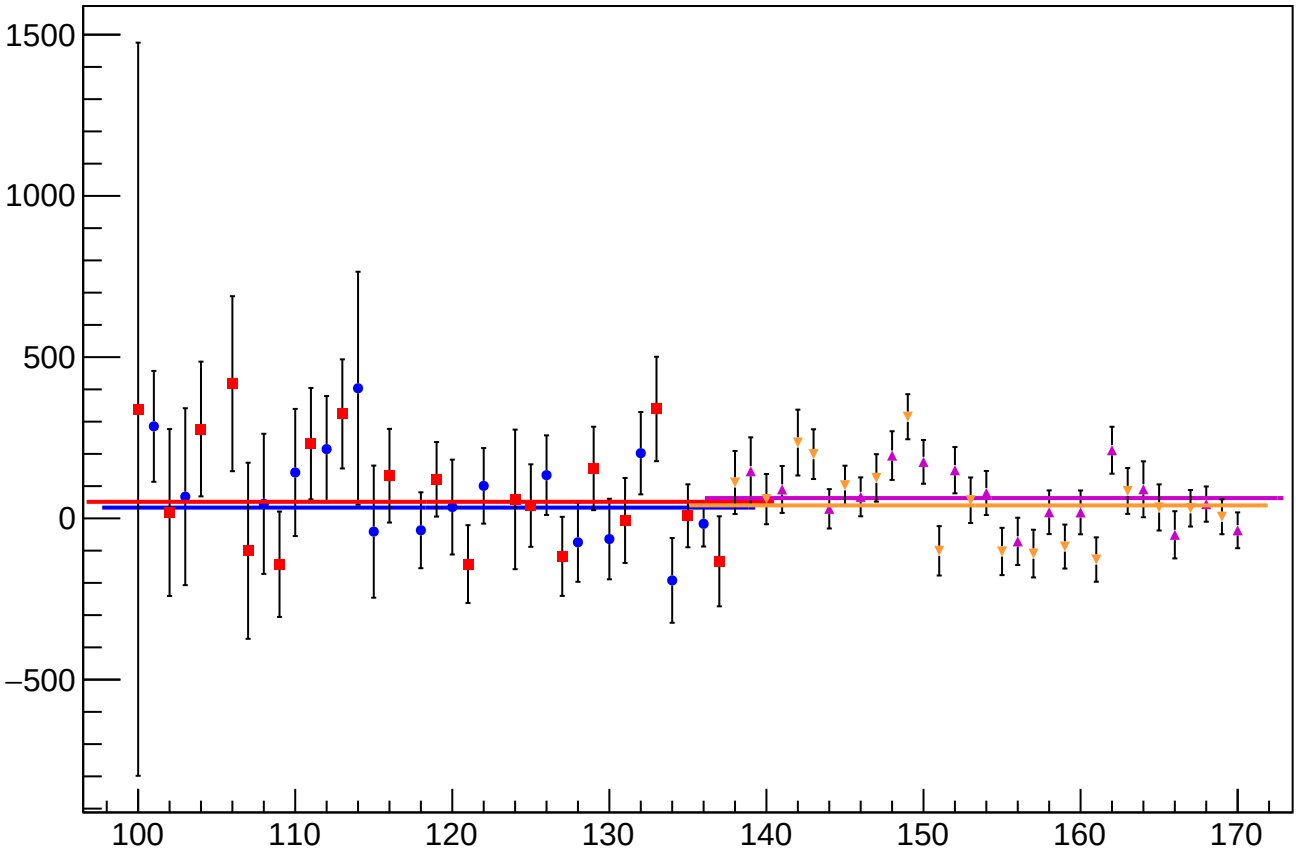
Left: 0.000+/-0.000 χ^2/NDF: 3300407.1/32

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7982062.0/31

Out: 0.000+/-0.000 χ^2/NDF:7628004.2/35

All: 0.000+/-0.000 χ^2/NDF: 15612969.4/67



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.305+/-17.131 χ^2/NDF:48.0/16

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 62.979+/-17.119 χ^2/NDF:22.6/15

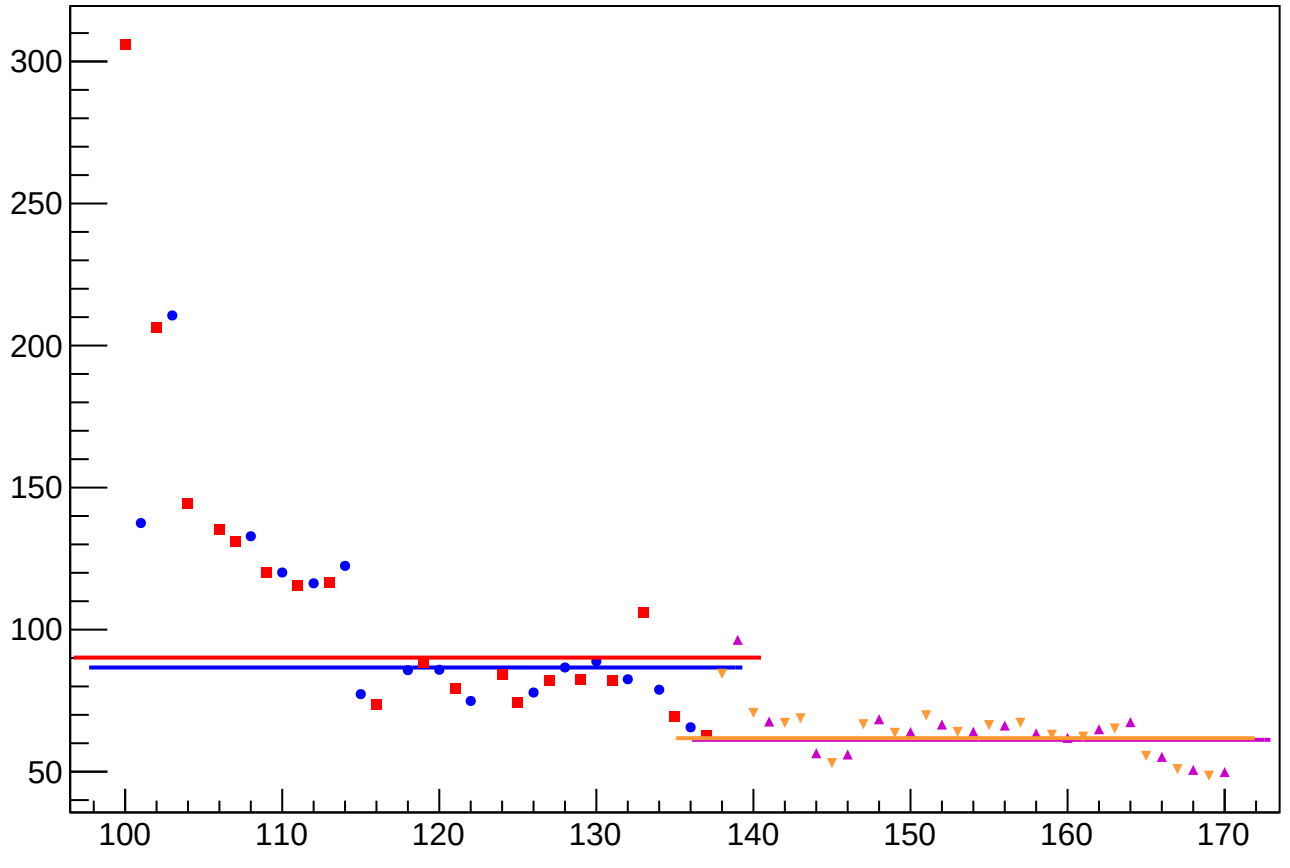
Left: 51.650+/-12.109 χ^2/NDF: 71.5/32

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 56.970+/-15.279 χ^2/NDF:36.0/31

Out: 42.451+/-15.374 χ^2/NDF:67.6/35

All: 49.756+/-10.837 χ^2/NDF: 104.1/67



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 61.792+/-0.012 χ^2/NDF:464039.6/16

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

Left: 61.503+/-0.009 χ^2/NDF: 967853.9/32

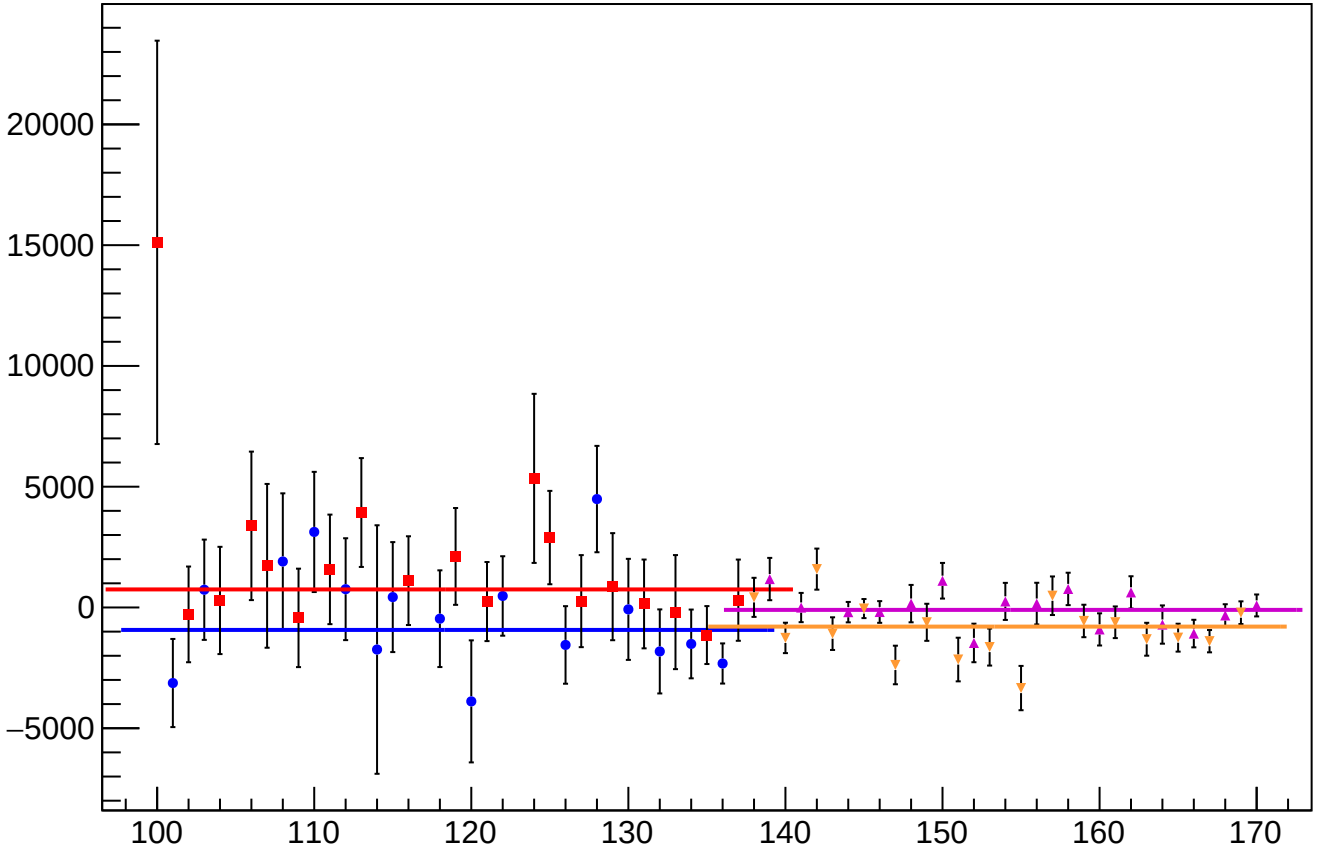
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 66.391+/-0.011 χ^2/NDF:2440602.9/31

Out: 67.311+/-0.011 χ^2/NDF:2680714.4/35

All: 66.848+/-0.008 χ^2/NDF: 5124926.5/67

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: -792.187+/-154.496 χ^2/NDF:36.8/16

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -100.062+/-151.450 χ^2/NDF:16.5/15

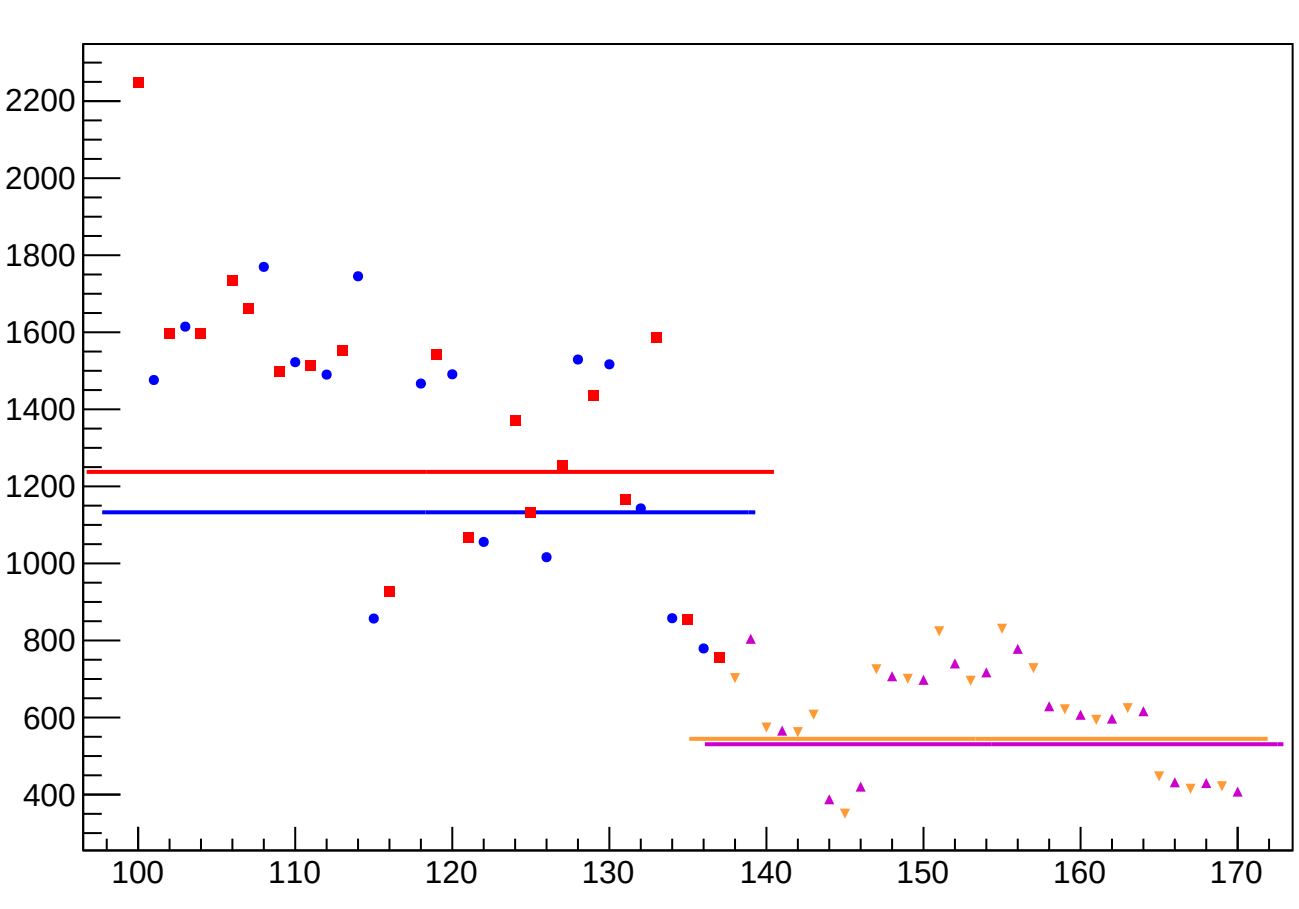
Left: -439.235+/-108.152 χ^2/NDF: 63.6/32

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -187.637+/-143.235 χ^2/NDF:38.2/31

Out: -640.856+/-146.705 χ^2/NDF:59.5/35

All: -408.822+/-102.487 χ^2/NDF: 102.7/67



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 544.691+/-0.109 χ^2/NDF:1751356.1/16

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 530.679+/-0.107 χ^2/NDF:1592568.9/15

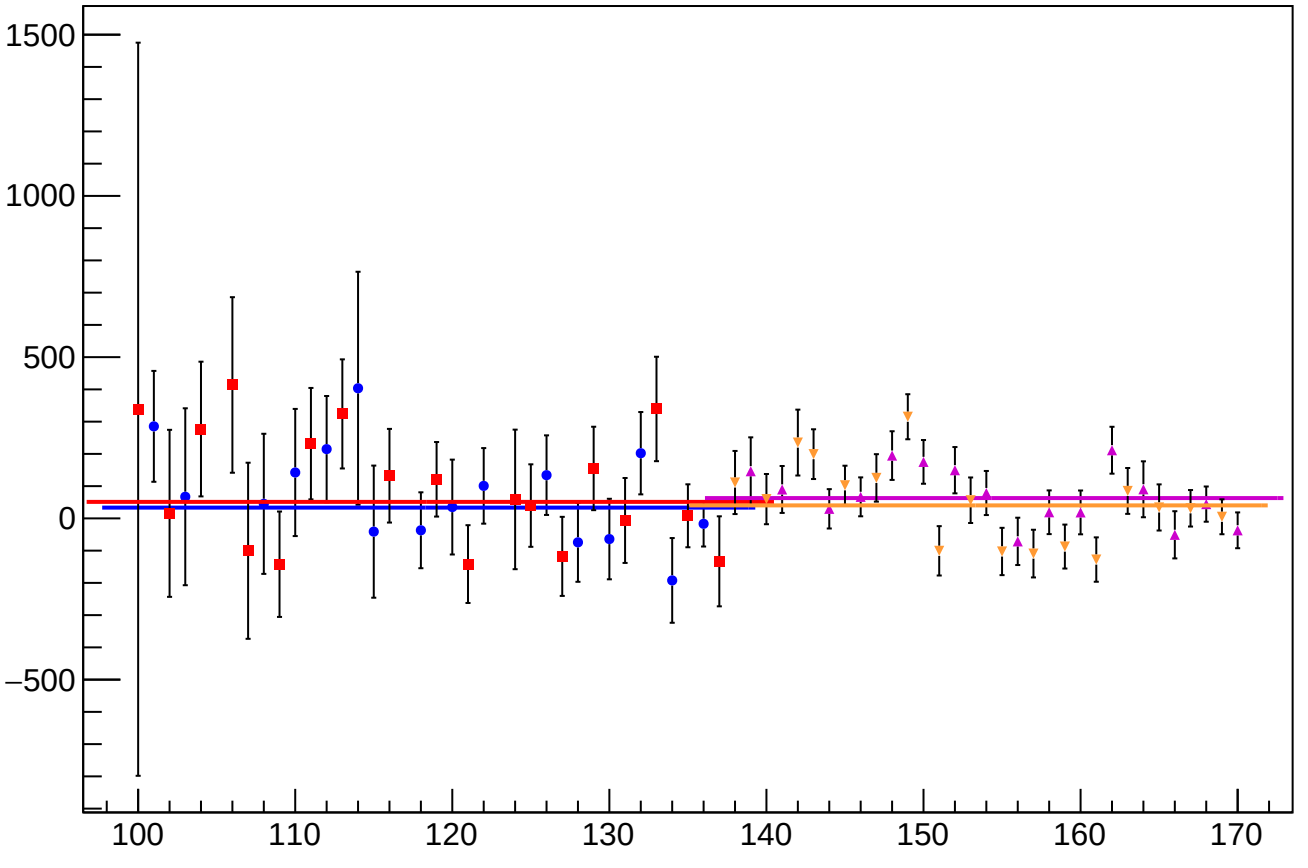
Left: 537.545+/-0.076 χ^2/NDF: 3352314.7/32

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 594.217+/-0.101 χ^2/NDF:6051976.7/31

Out: 612.807+/-0.104 χ^2/NDF:6601427.1/35

All: 603.290+/-0.072 χ^2/NDF: 12669846.4/67



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.308+/-17.131 χ^2/NDF:48.0/16

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.977+/-17.119 χ^2/NDF:22.6/15

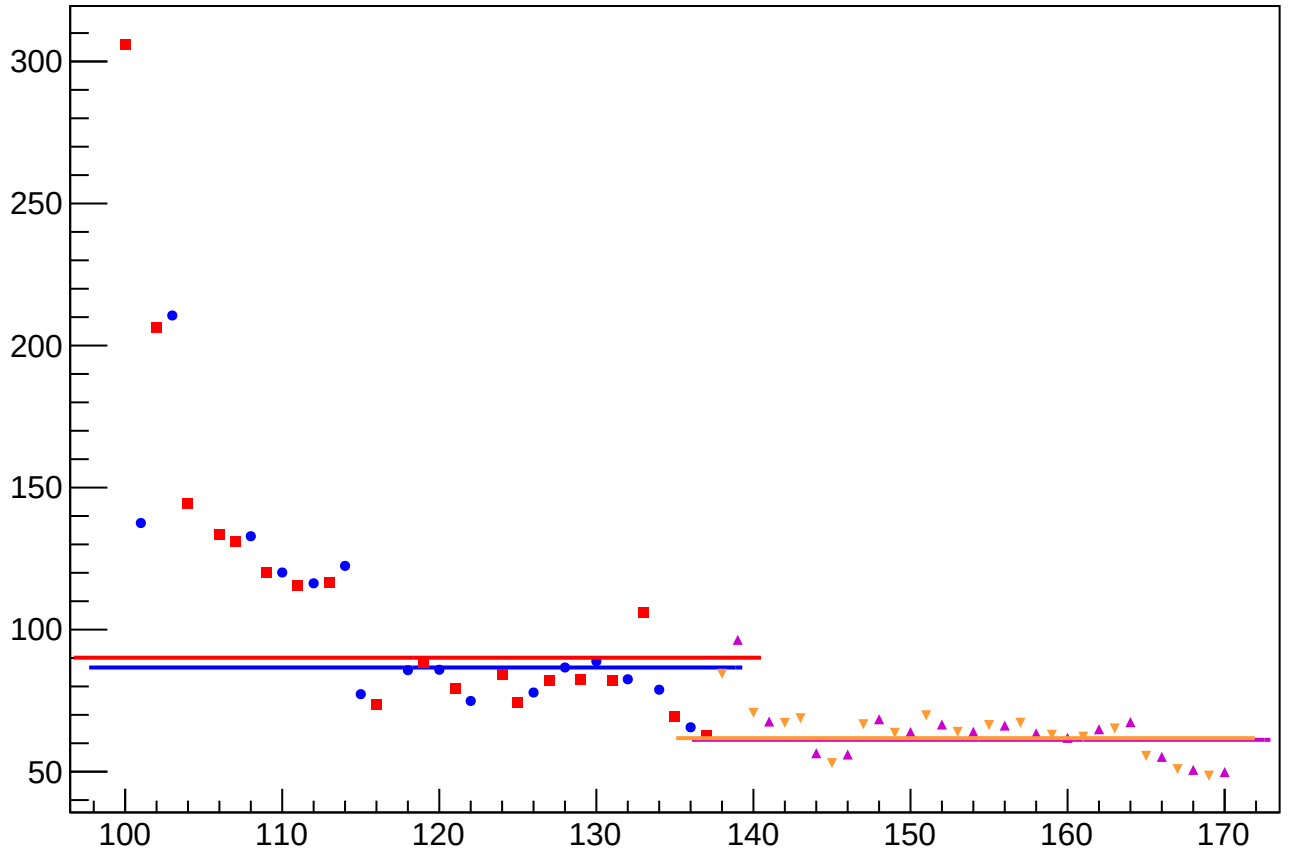
Left: 51.651+/-12.109 χ^2/NDF: 71.5/32

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 56.967+/-15.279 χ^2/NDF:36.0/31

Out: 42.425+/-15.374 χ^2/NDF:67.6/35

All: 49.741+/-10.837 χ^2/NDF: 104.1/67



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 61.792+/-0.012 χ^2/NDF:464039.5/16

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

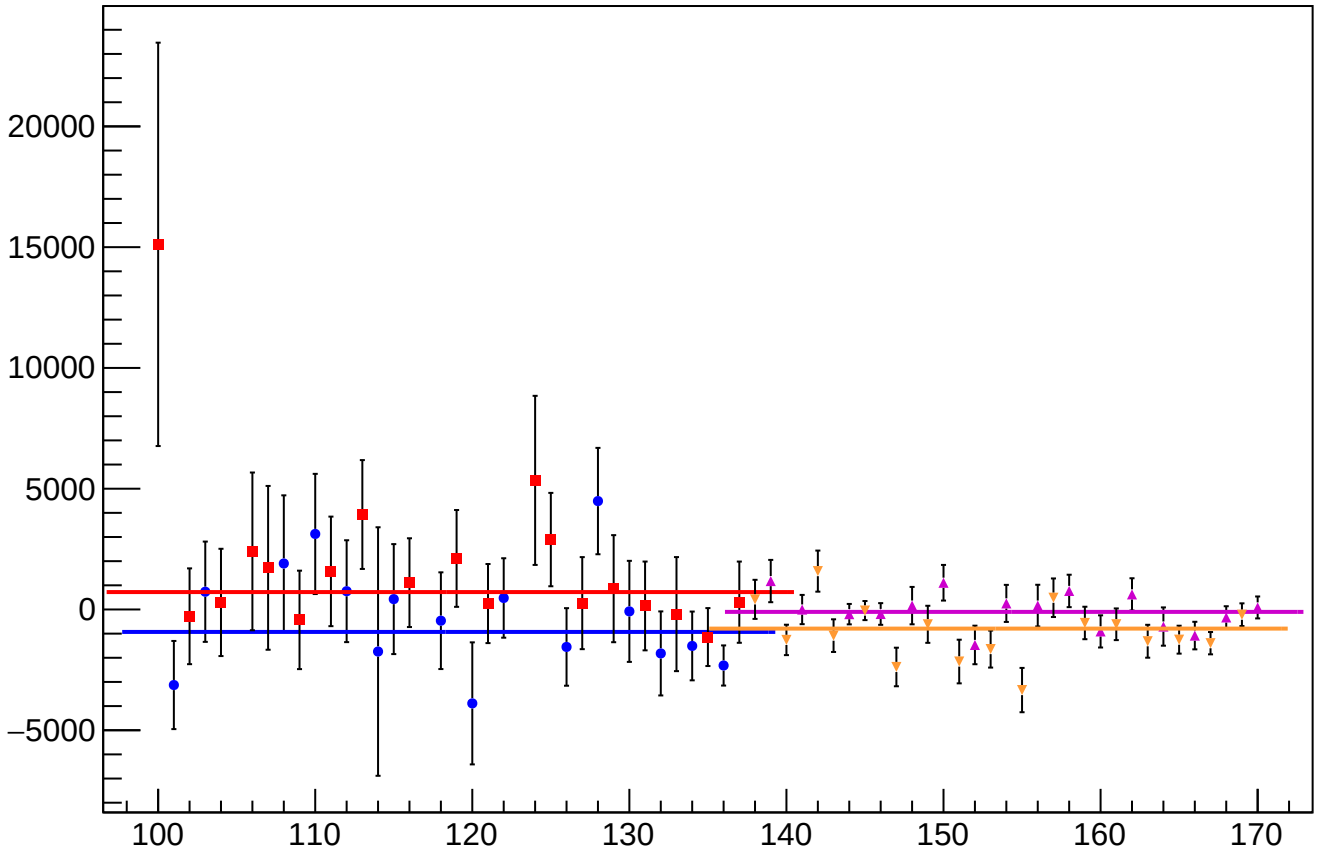
Left: 61.503+/-0.009 χ^2/NDF: 967853.8/32

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 66.391+/-0.011 χ^2/NDF:2440605.2/31

Out: 67.304+/-0.011 χ^2/NDF:2673128.2/35

All: 66.844+/-0.008 χ^2/NDF: 5117282.0/67



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -792.182+/-154.495 χ^2/NDF:36.8/16

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -100.062+/-151.450 χ^2/NDF:16.5/15

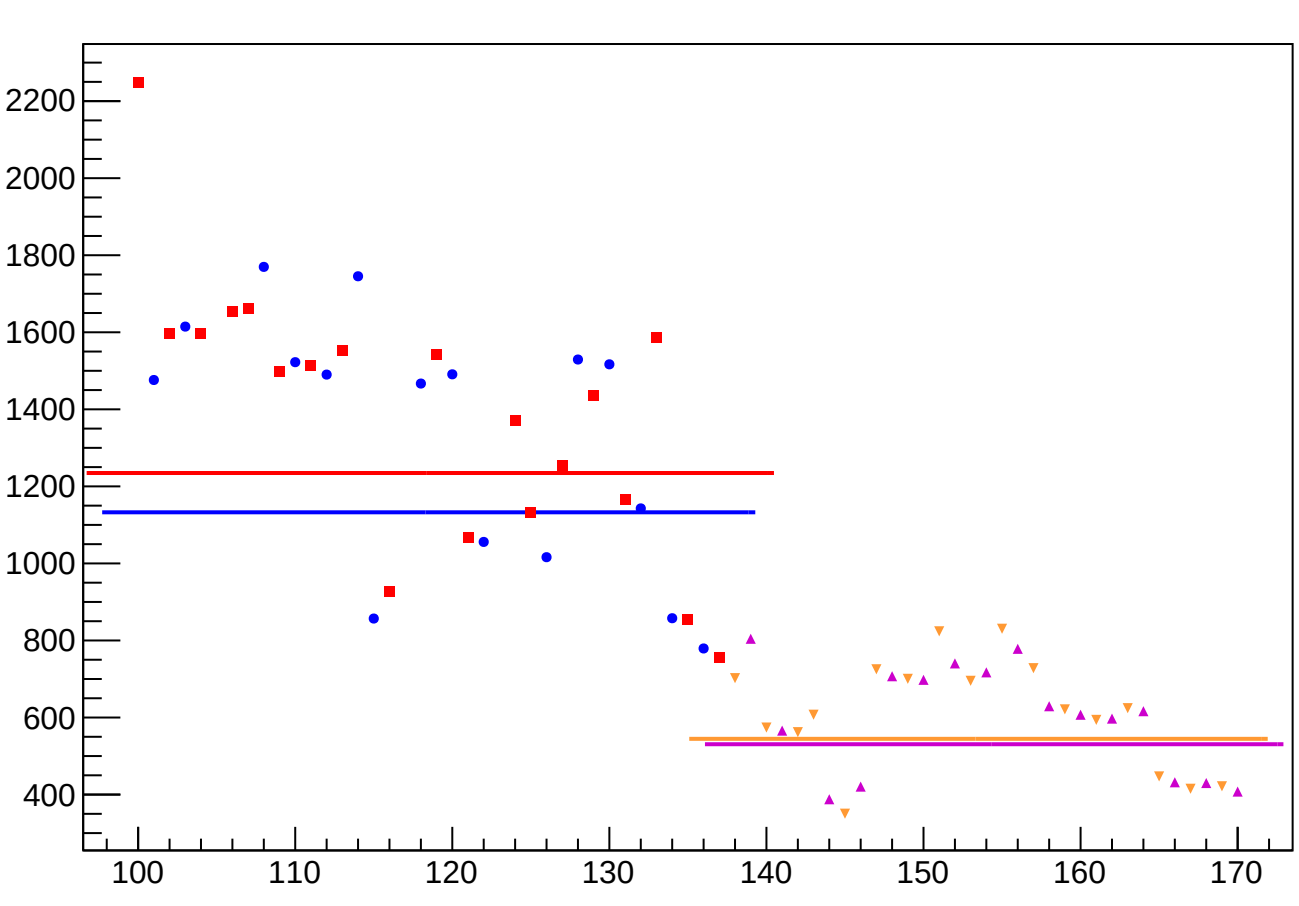
Left: -439.232+/-108.152 χ^2/NDF: 63.6/32

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -187.633+/-143.235 χ^2/NDF:38.2/31

Out: -643.831+/-146.725 χ^2/NDF:58.7/35

All: -410.242+/-102.494 χ^2/NDF: 101.9/67



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 544.691+/-0.109 χ^2/NDF:1751360.3/16

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 530.679+/-0.107 χ^2/NDF:1592569.4/15

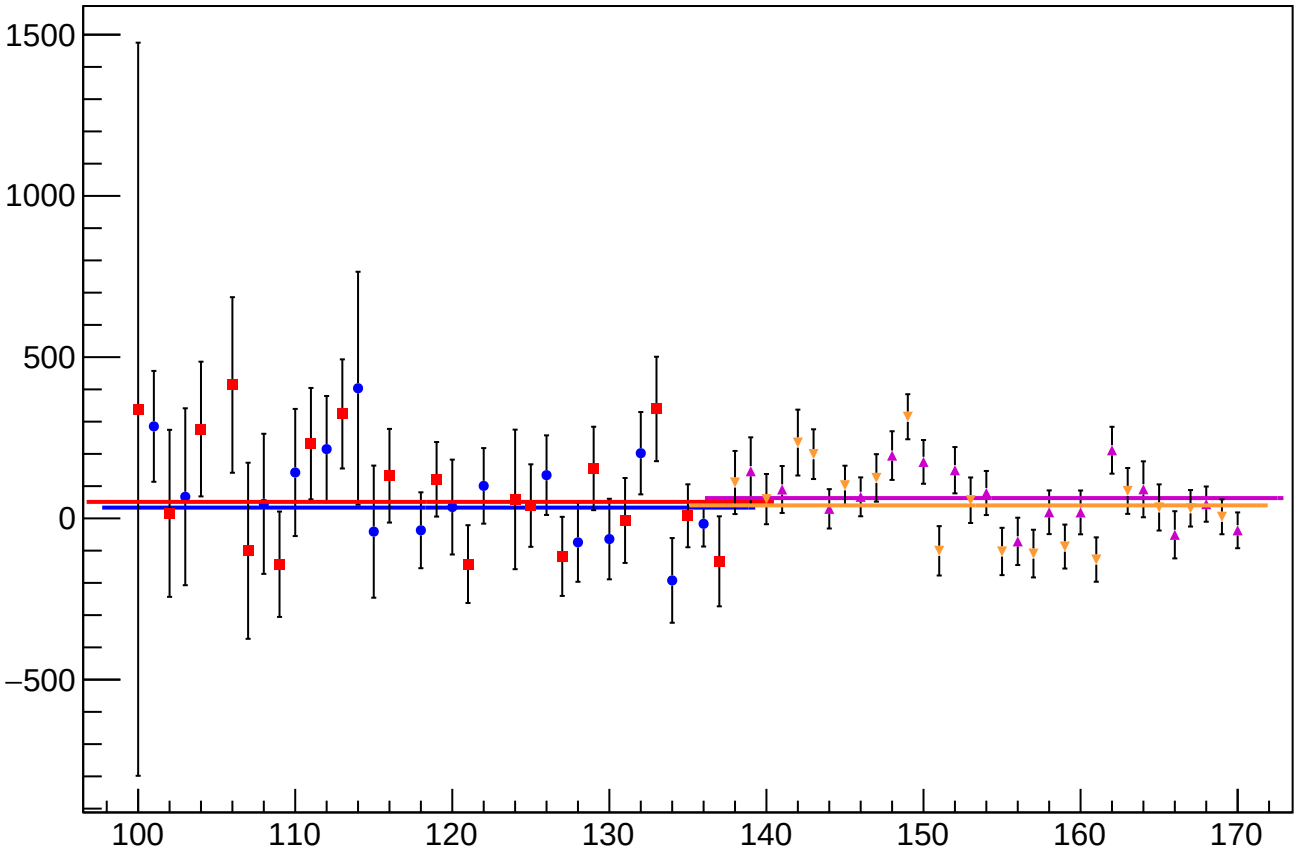
Left: 537.545+/-0.076 χ^2/NDF: 3352319.0/32

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 594.217+/-0.101 χ^2/NDF:6052010.8/31

Out: 612.357+/-0.104 χ^2/NDF:6539939.8/35

All: 603.069+/-0.072 χ^2/NDF: 12607604.7/67



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 40.308+/-17.131 χ^2/NDF:48.0/16

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.977+/-17.119 χ^2/NDF:22.6/15

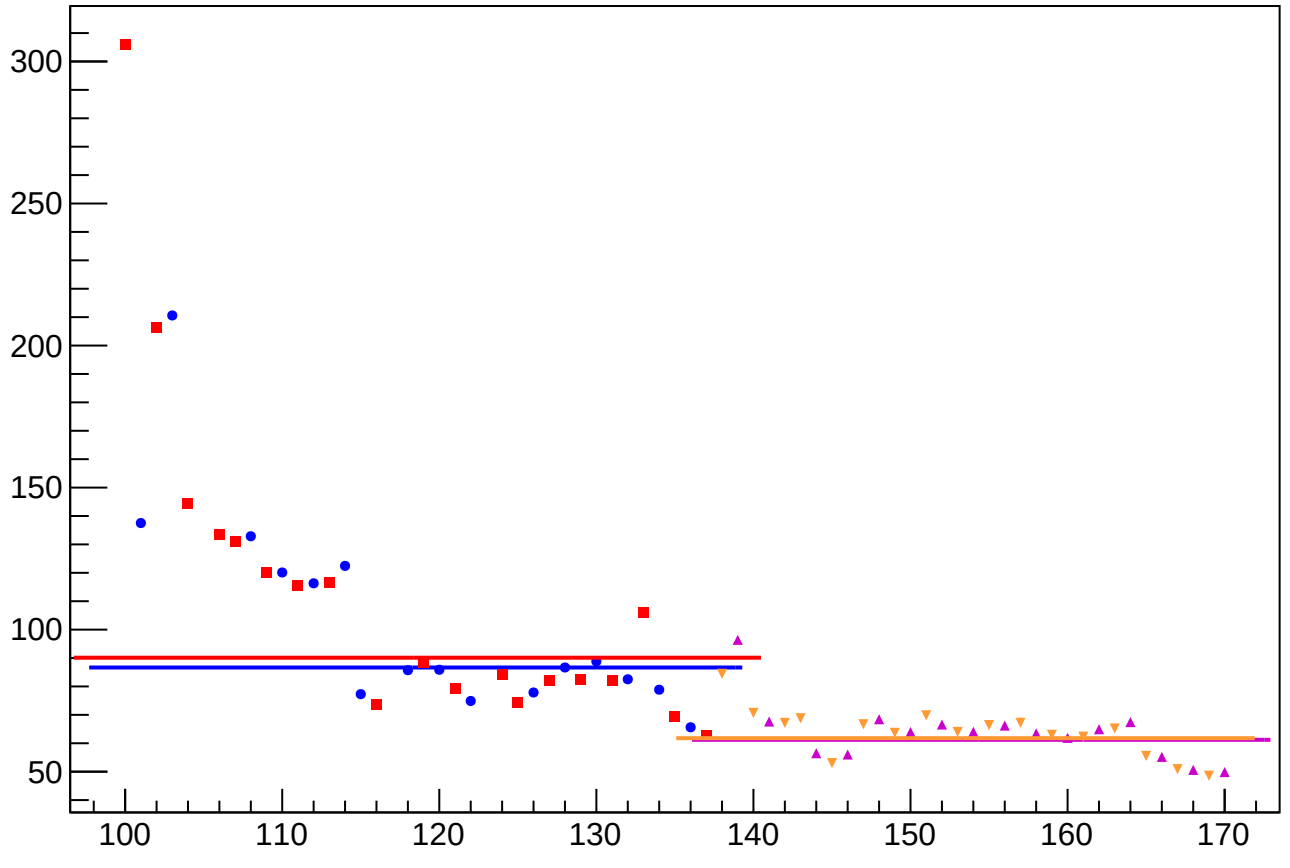
Left: 51.651+/-12.109 χ^2/NDF: 71.5/32

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 56.967+/-15.279 χ^2/NDF:36.0/31

Out: 42.425+/-15.374 χ^2/NDF:67.6/35

All: 49.741+/-10.837 χ^2/NDF: 104.1/67



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 61.792+/-0.012 χ^2/NDF:464039.5/16

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

Left: 61.503+/-0.009 χ^2/NDF: 967853.8/32

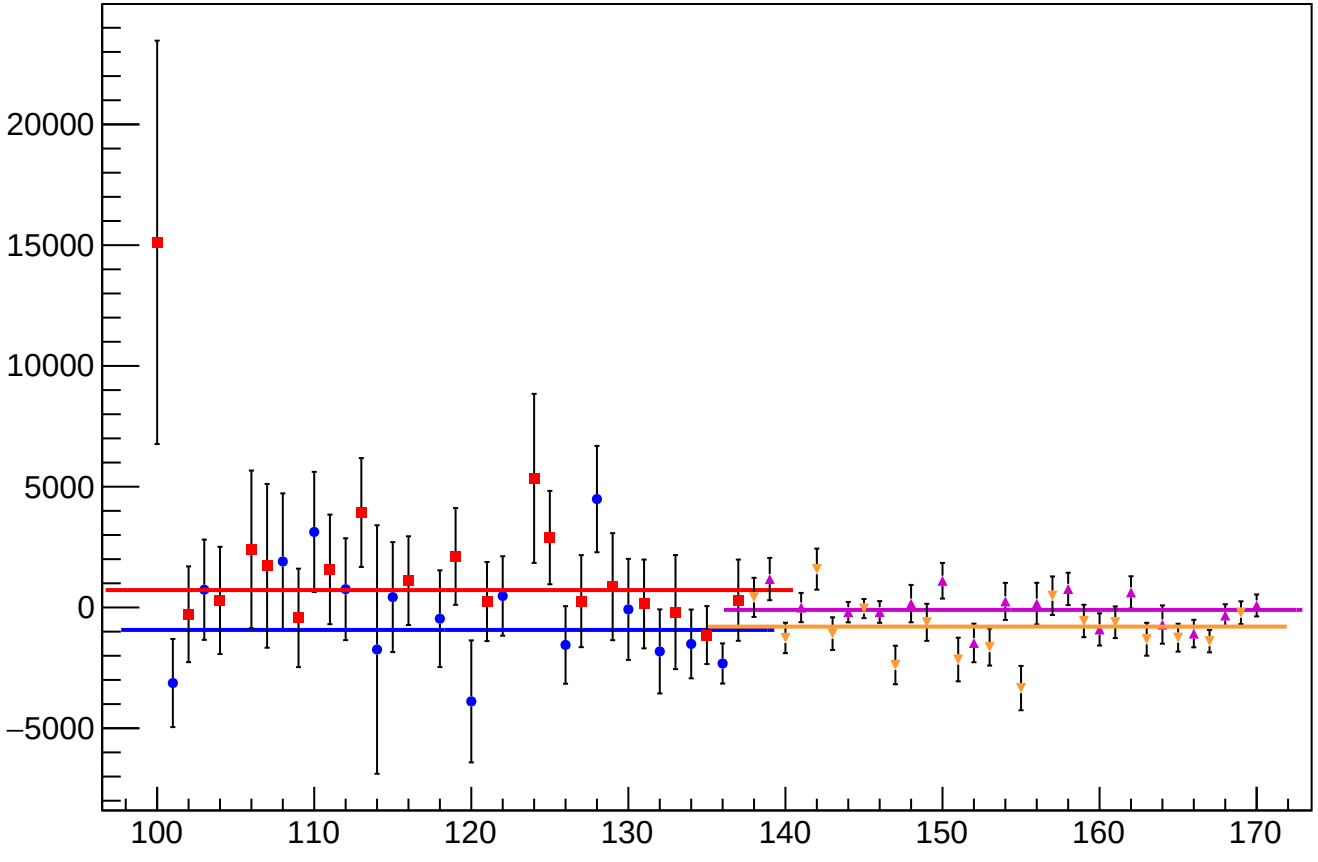
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 66.391+/-0.011 χ^2/NDF:2440605.2/31

Out: 67.304+/-0.011 χ^2/NDF:2673128.2/35

All: 66.844+/-0.008 χ^2/NDF: 5117282.0/67

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: -792.182+/-154.495 χ^2/NDF:36.8/16

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -100.062+/-151.450 χ^2/NDF:16.5/15

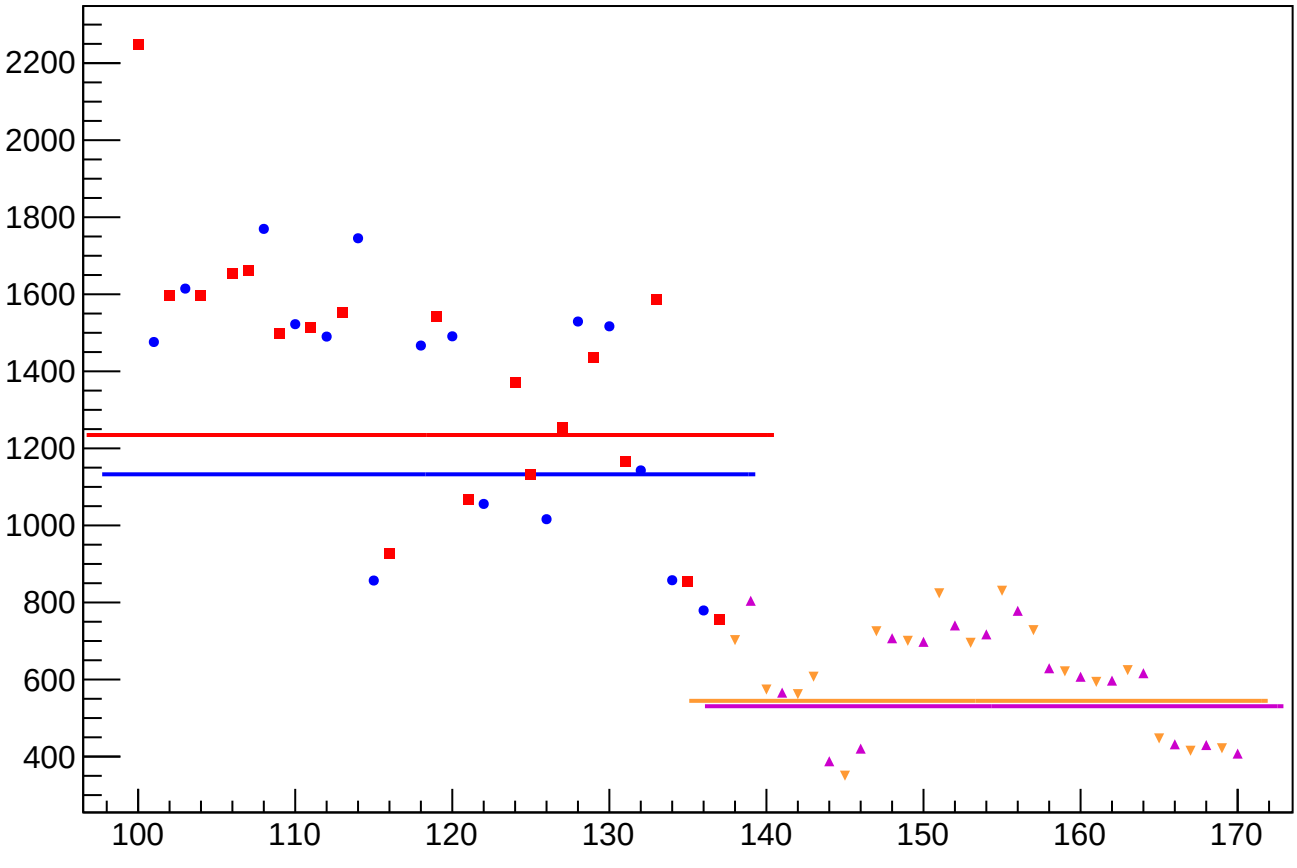
Left: -439.232+/-108.152 χ^2/NDF: 63.6/32

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -187.633+/-143.235 χ^2/NDF:38.2/31

Out: -643.831+/-146.725 χ^2/NDF:58.7/35

All: -410.242+/-102.494 χ^2/NDF: 101.9/67



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 544.691+/-0.109 χ^2/NDF:1751360.3/16

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 530.679+/-0.107 χ^2/NDF:1592569.4/15

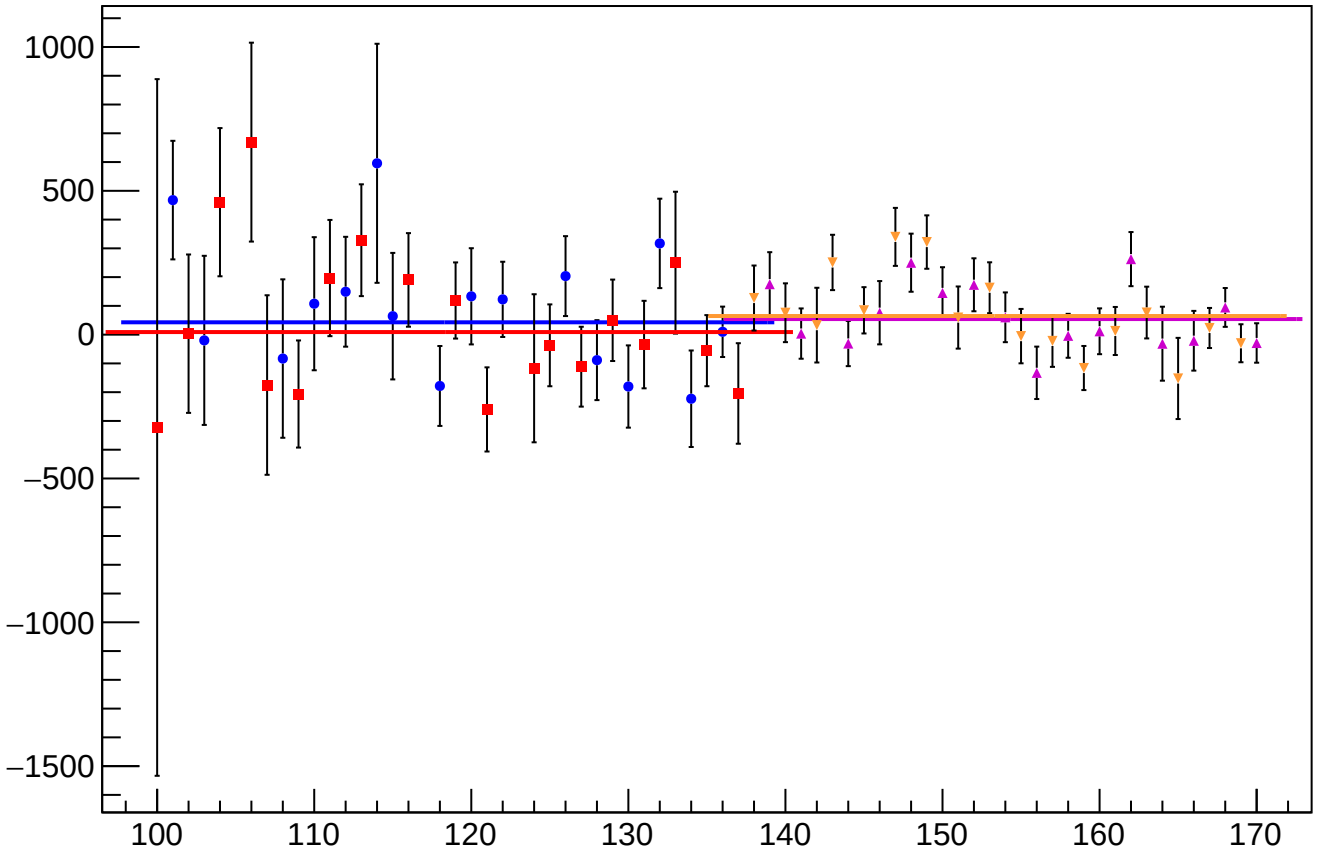
Left: 537.545+/-0.076 χ^2/NDF: 3352319.0/32

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 594.217+/-0.101 χ^2/NDF:6052010.8/31

Out: 612.357+/-0.104 χ^2/NDF:6539939.8/35

All: 603.069+/-0.072 χ^2/NDF: 12607604.7/67



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 64.722+/-21.918 χ^2/NDF:32.8/16

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 54.236+/-21.931 χ^2/NDF:22.0/15

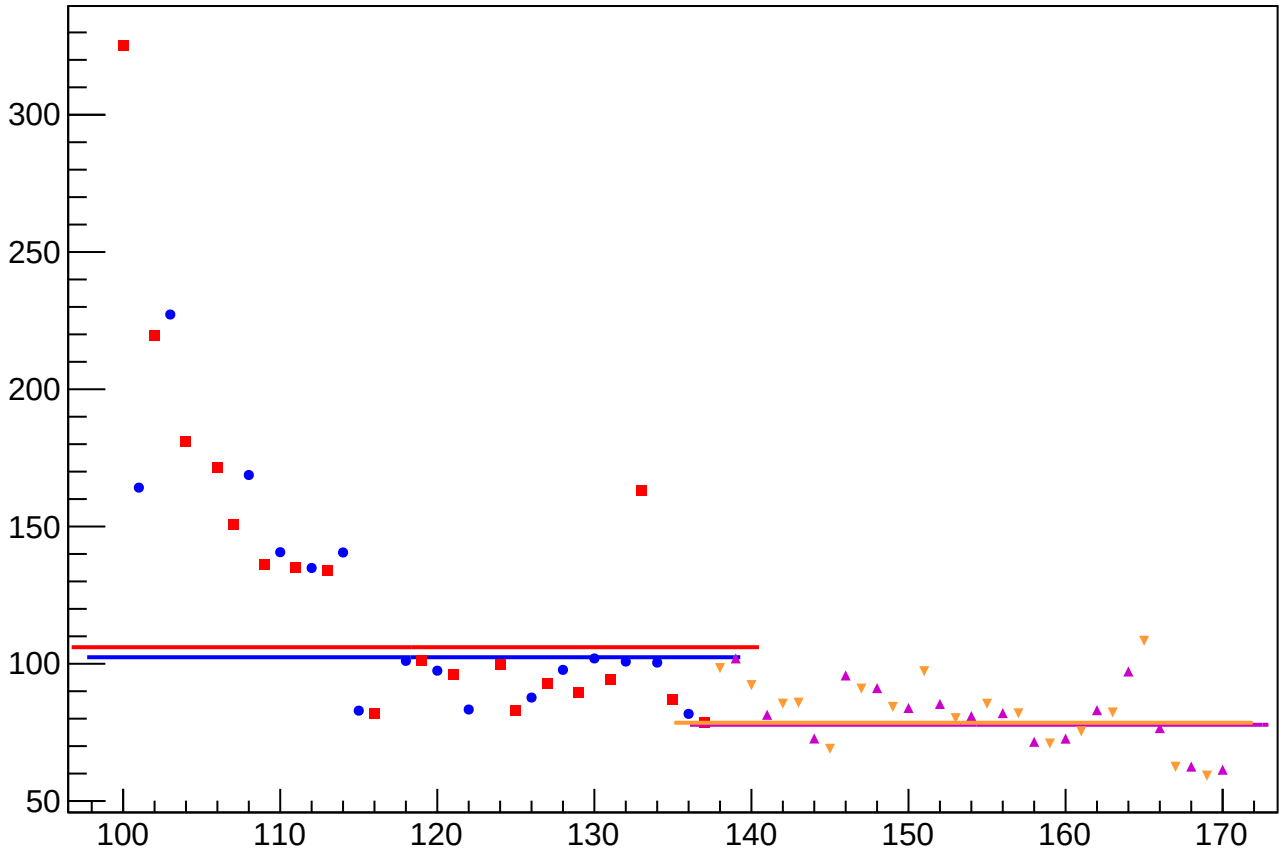
Left: 59.482+/-15.503 χ^2/NDF: 54.9/32

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 51.614+/-19.225 χ^2/NDF:42.4/31

Out: 52.363+/-19.336 χ^2/NDF:55.5/35

All: 51.986+/-13.633 χ^2/NDF: 97.9/67



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 78.518+/-0.015 χ^2/NDF:647420.0/16

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 77.773+/-0.016 χ^2/NDF:513924.4/15

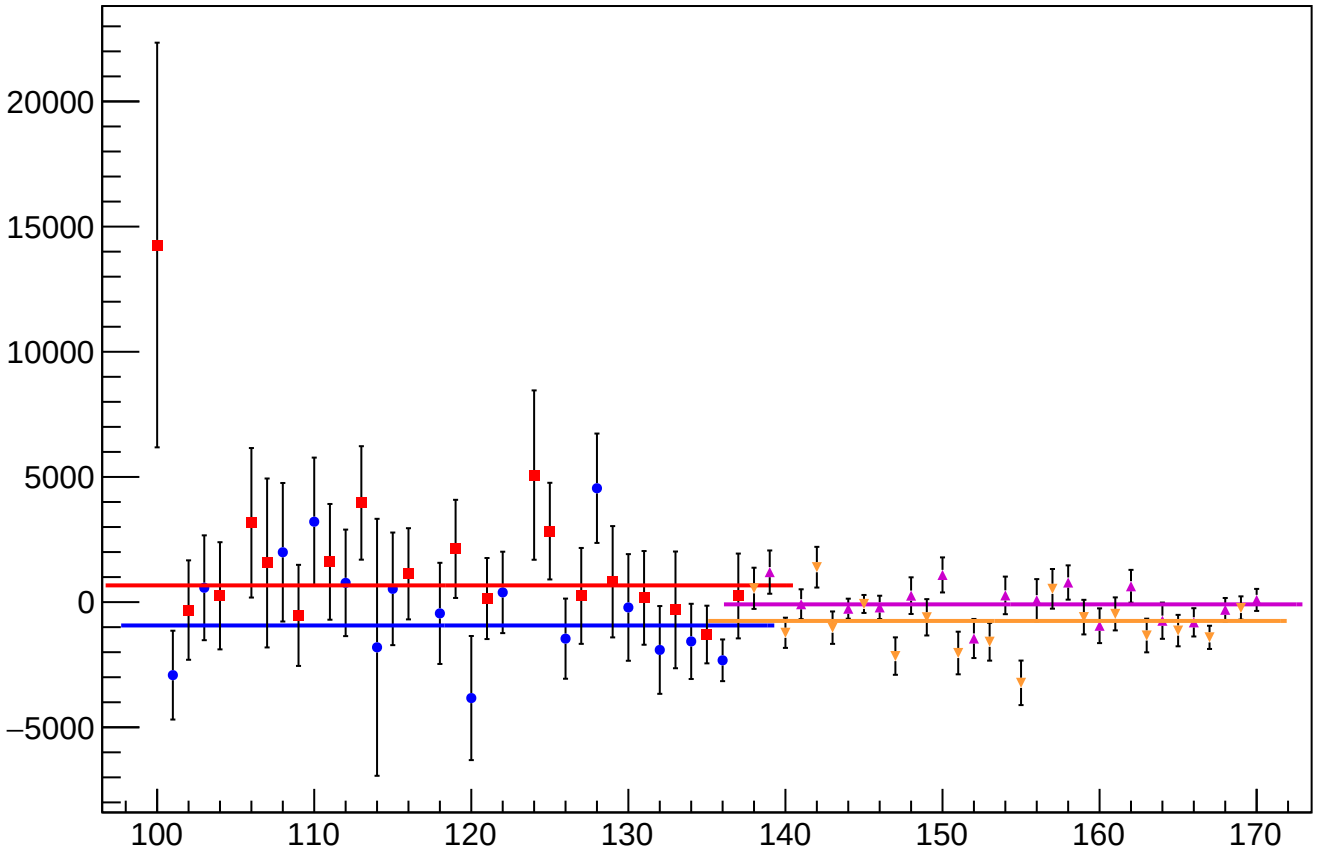
Left: 78.146+/-0.011 χ^2/NDF: 1162497.5/32

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 83.472+/-0.014 χ^2/NDF:2079251.7/31

Out: 84.620+/-0.014 χ^2/NDF:2537641.9/35

All: 84.042+/-0.010 χ^2/NDF: 4620438.2/67



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -751.612+/-150.773 χ^2/NDF:35.8/16

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -89.264+/-149.024 χ^2/NDF:16.0/15

Left: -416.575+/-105.989 χ^2/NDF: 61.6/32

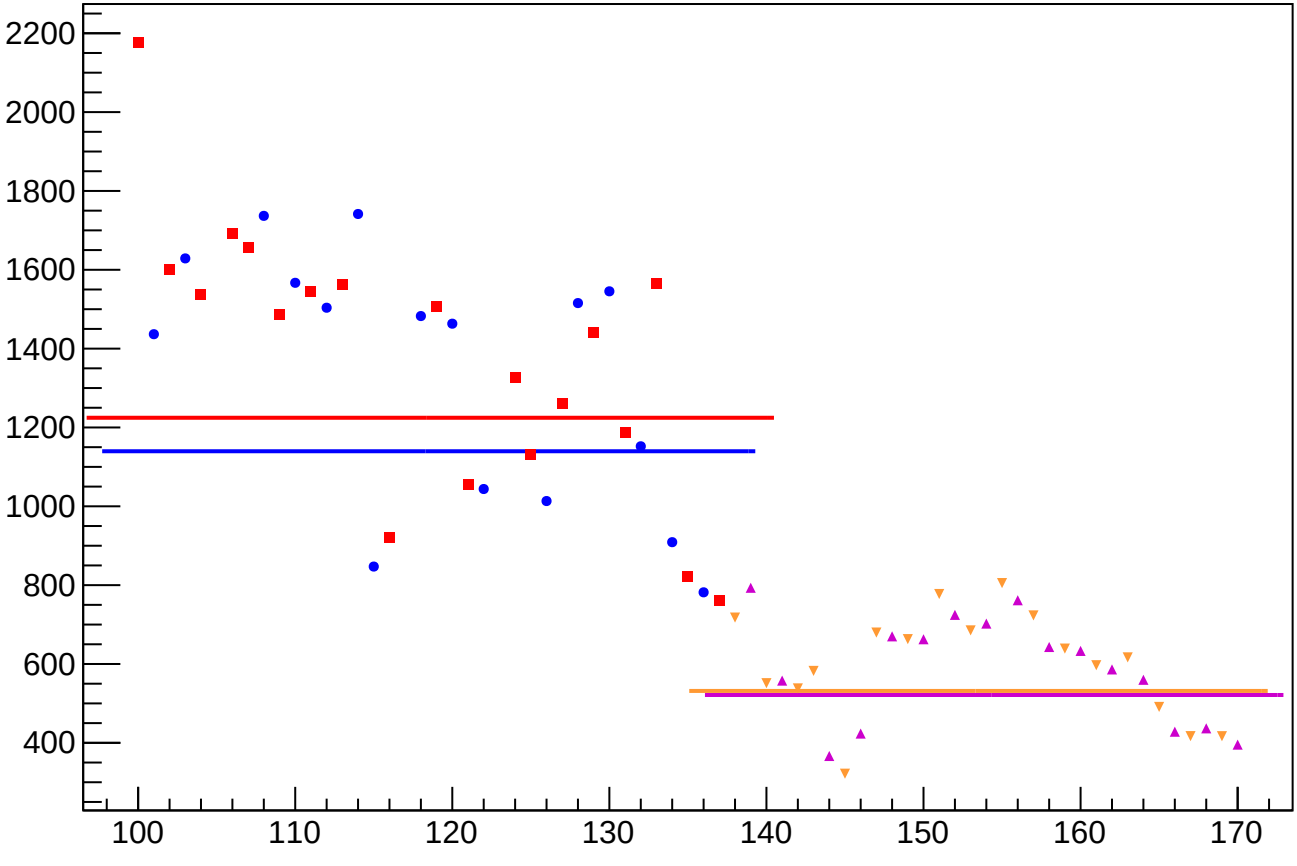
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -175.071+/-141.238 χ^2/NDF:37.7/31

Out: -615.567+/-143.369 χ^2/NDF:57.8/35

All: -392.020+/-100.615 χ^2/NDF: 100.3/67

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 531.647+/-0.107 χ^2/NDF:1853402.3/16

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 521.350+/-0.105 χ^2/NDF:1595742.7/15

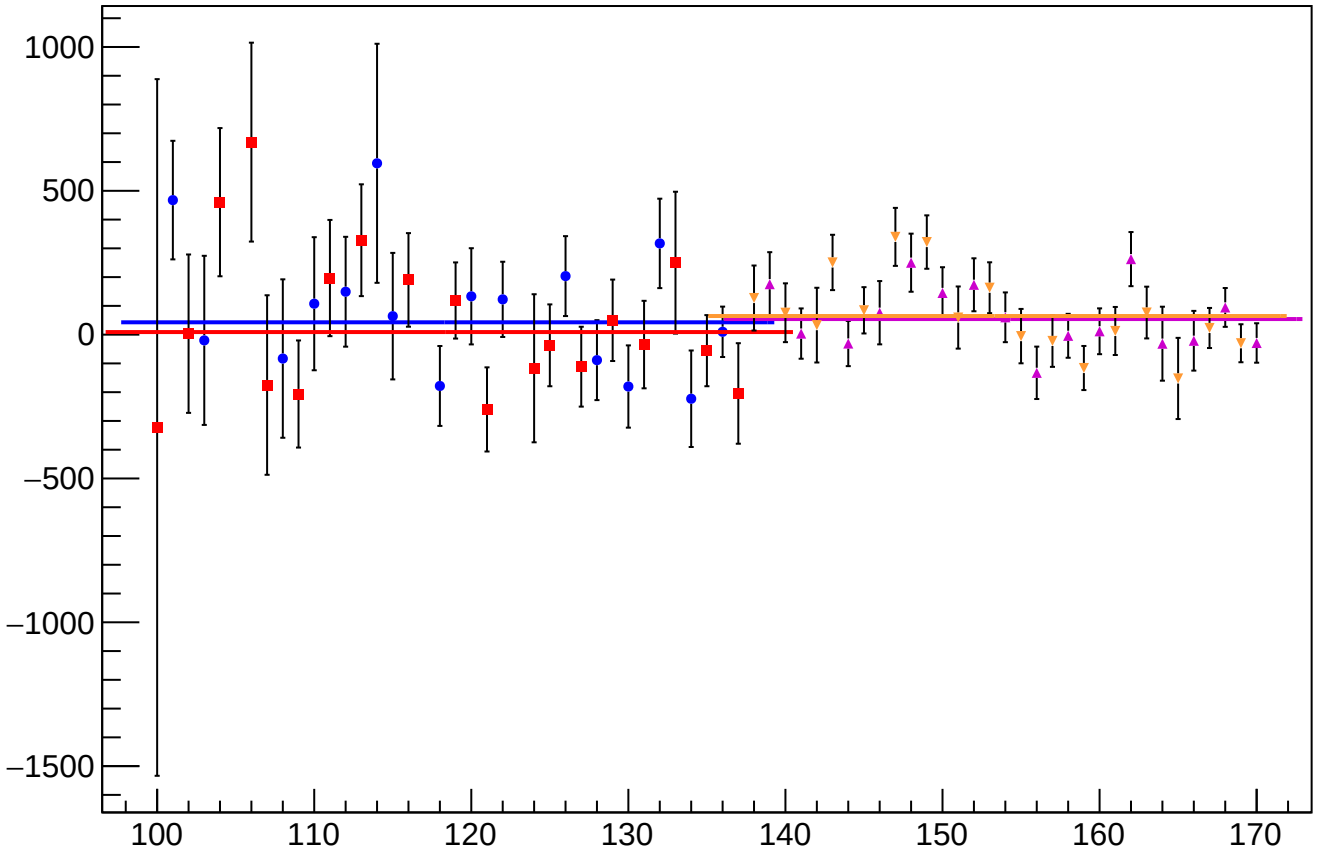
Left: 526.439+/-0.075 χ^2/NDF: 3453863.7/32

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 584.277+/-0.100 χ^2/NDF:6193101.5/31

Out: 598.034+/-0.101 χ^2/NDF:6823304.4/35

All: 591.052+/-0.071 χ^2/NDF: 13025750.3/67



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 64.723+/-21.918 χ^2/NDF:32.8/16

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 54.234+/-21.931 χ^2/NDF:22.0/15

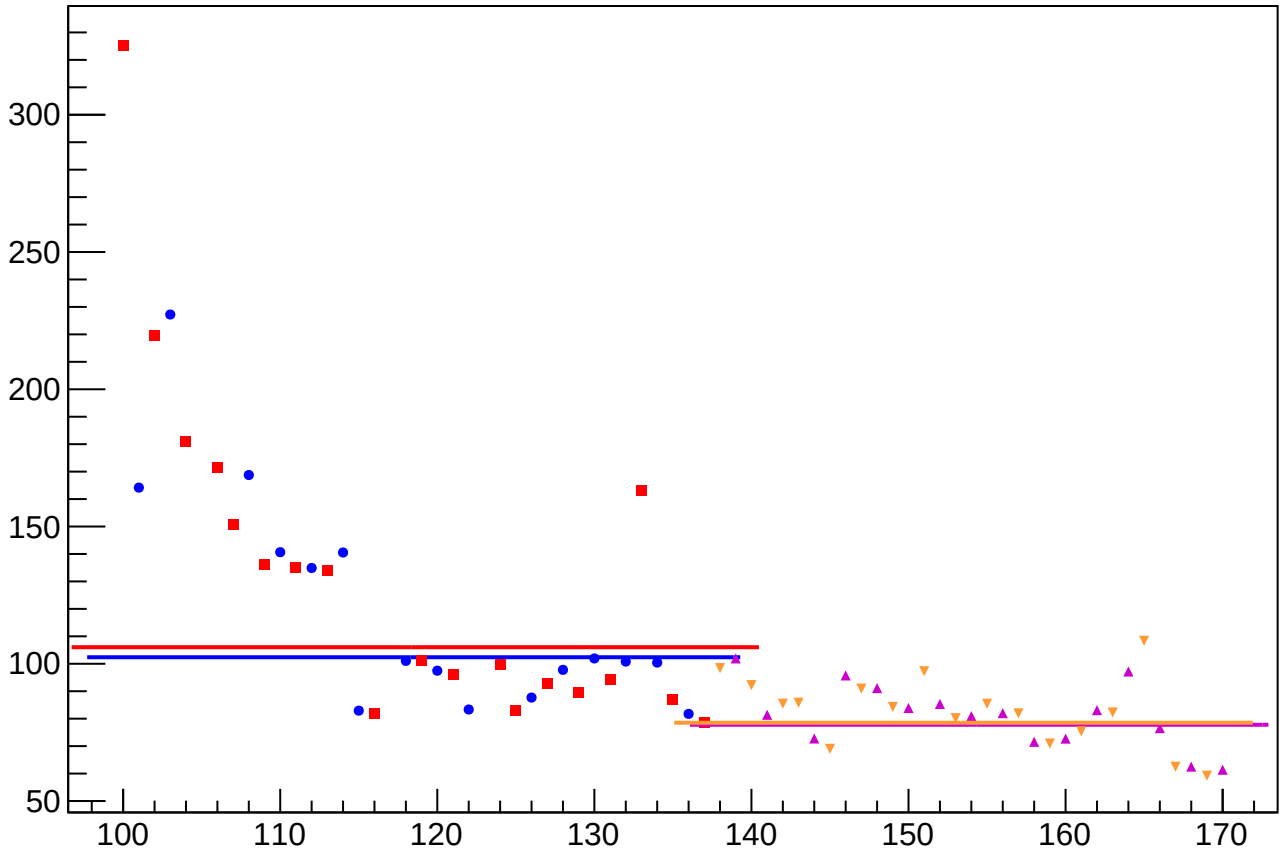
Left: 59.481+/-15.503 χ^2/NDF: 54.9/32

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 51.613+/-19.225 χ^2/NDF:42.4/31

Out: 52.362+/-19.336 χ^2/NDF:55.5/35

All: 51.985+/-13.633 χ^2/NDF: 97.9/67



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 78.518+/-0.015 χ^2/NDF:647409.2/16

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 77.774+/-0.016 χ^2/NDF:513916.4/15

Left: 78.146+/-0.011 χ^2/NDF: 1162478.5/32

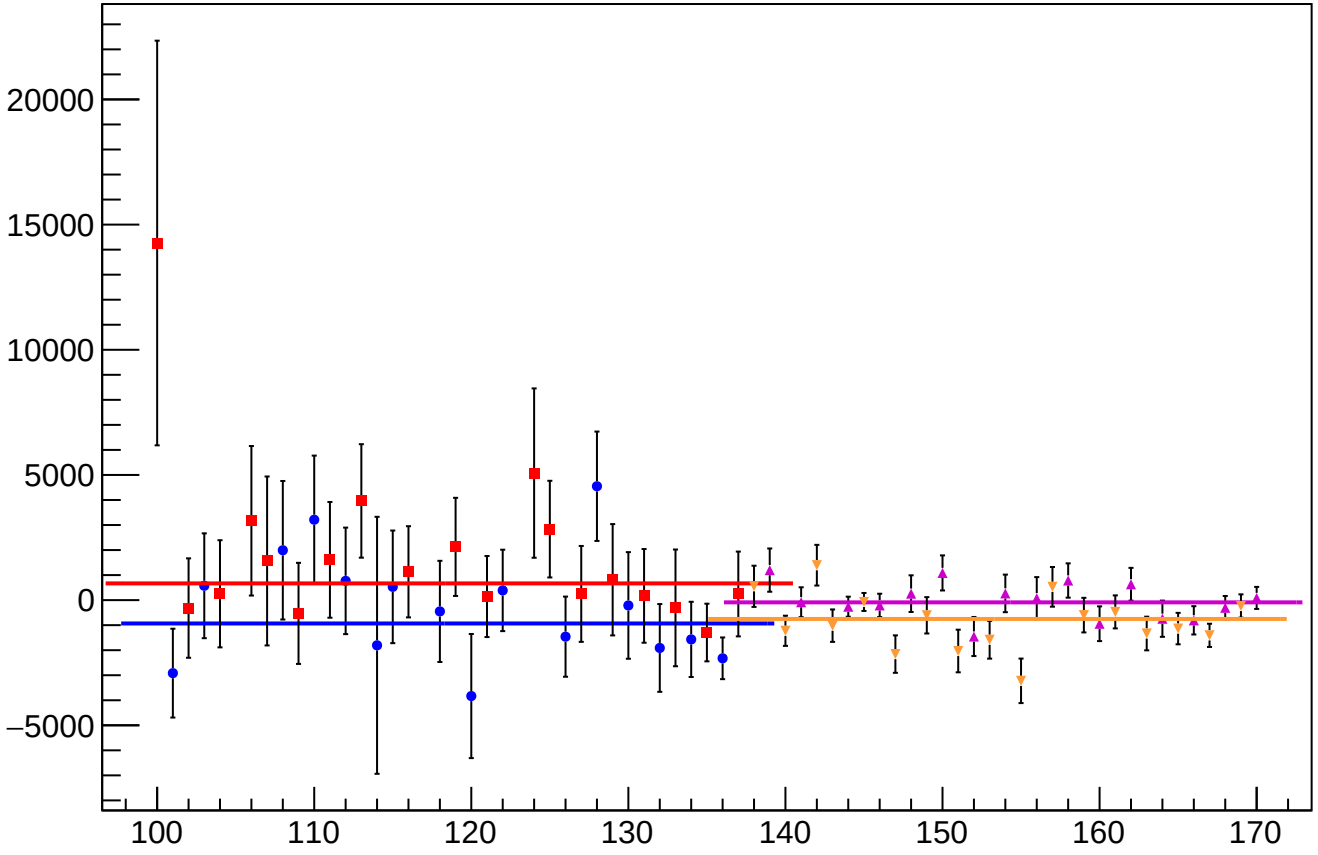
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 83.472+/-0.014 χ^2/NDF:2079212.0/31

Out: 84.620+/-0.014 χ^2/NDF:2537612.8/35

All: 84.043+/-0.010 χ^2/NDF: 4620369.3/67

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: -751.611+/-150.773 χ^2/NDF:35.8/16

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -89.265+/-149.024 χ^2/NDF:16.0/15

Left: -416.575+/-105.989 χ^2/NDF: 61.6/32

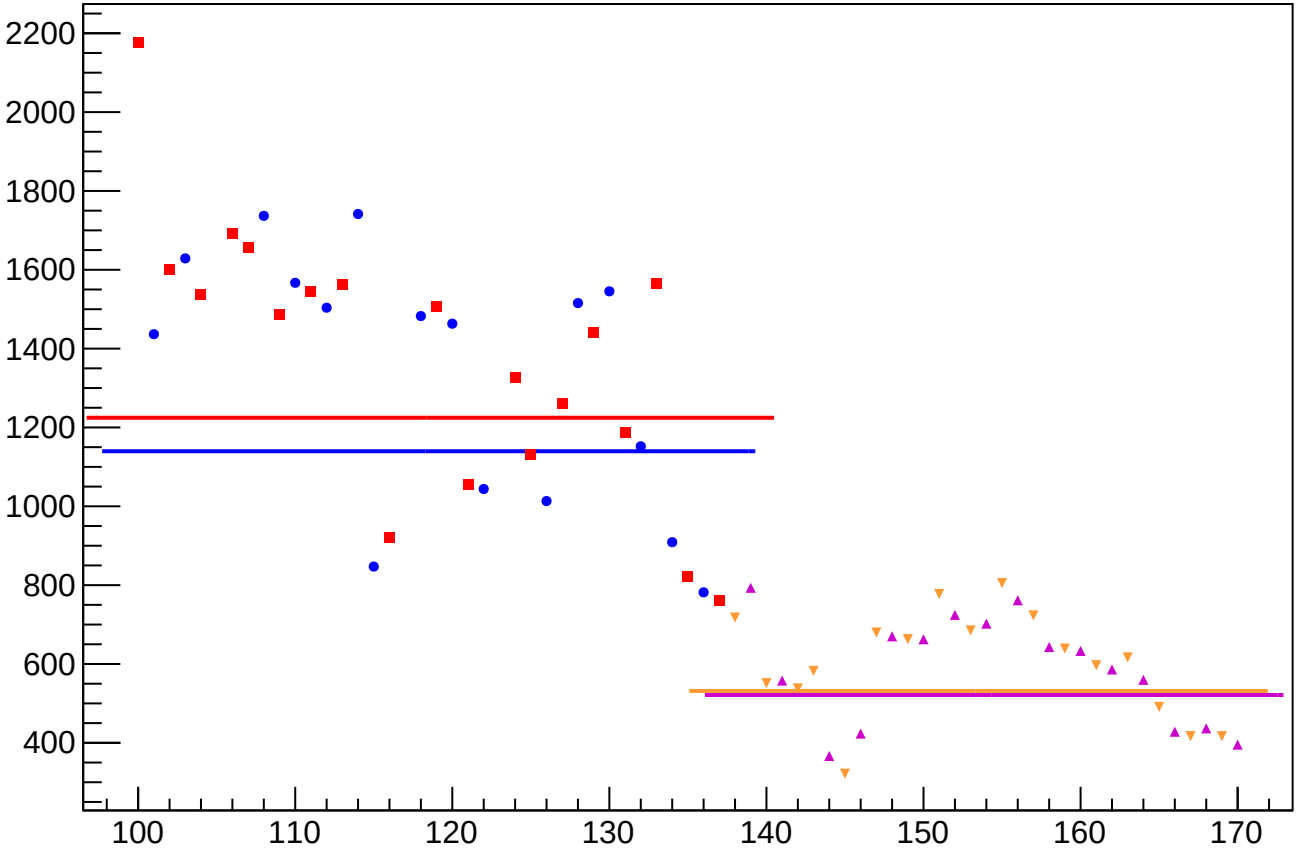
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -175.071+/-141.237 χ^2/NDF:37.7/31

Out: -615.566+/-143.369 χ^2/NDF:57.8/35

All: -392.020+/-100.615 χ^2/NDF: 100.3/67

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: 531.646+/-0.107 χ^2/NDF:1853419.6/16

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 521.350+/-0.105 χ^2/NDF:1595749.7/15

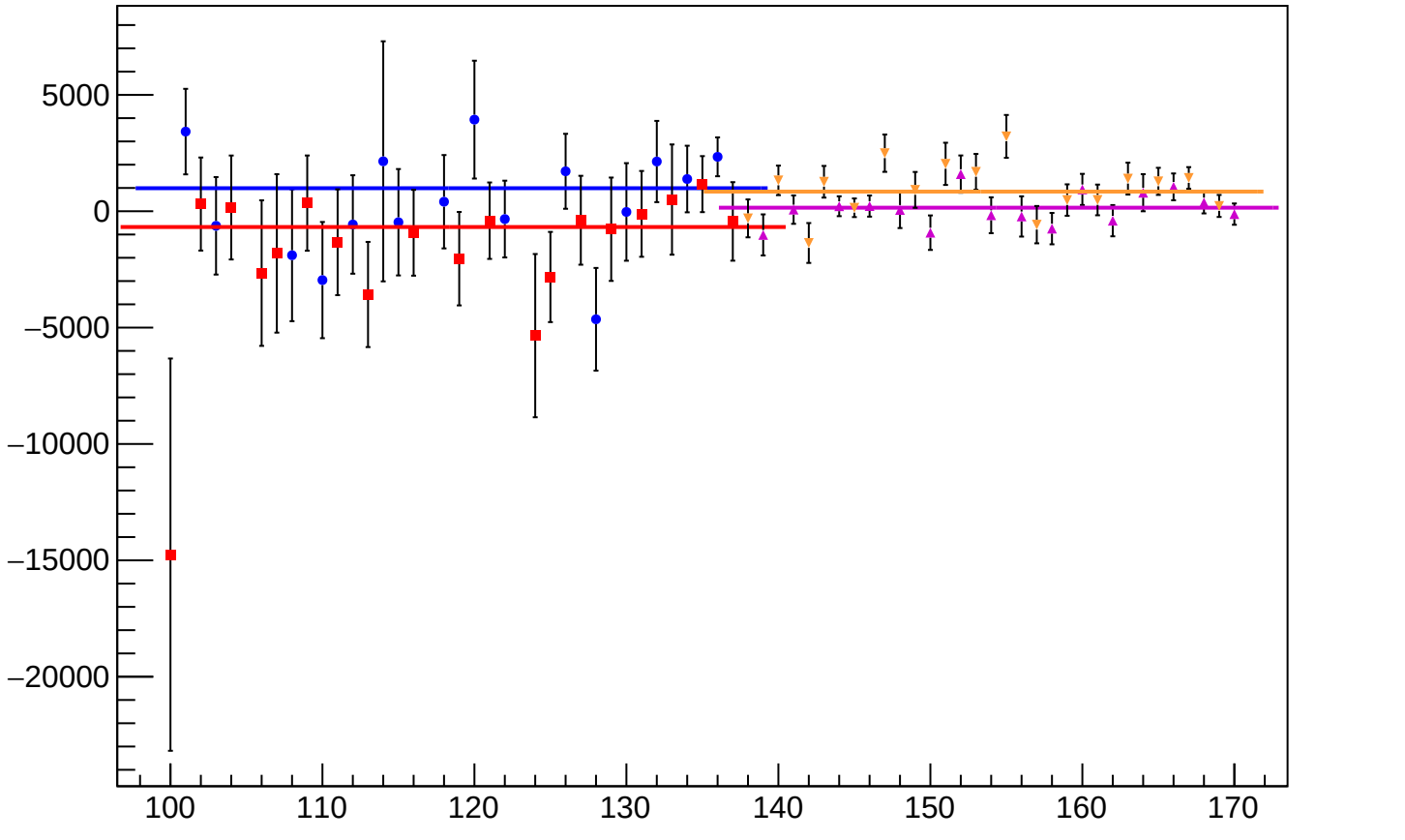
Left: 526.438+/-0.075 χ^2/NDF: 3453887.7/32

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 584.277+/-0.100 χ^2/NDF:6193100.2/31

Out: 598.033+/-0.101 χ^2/NDF:6823316.8/35

All: 591.052+/-0.071 χ^2/NDF: 13025761.0/67



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 844.236+/-155.599 χ^2/NDF:34.7/16

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 152.127+/-152.577 χ^2/NDF:15.0/15

Left: 491.396+/-108.941 χ^2/NDF: 59.8/32

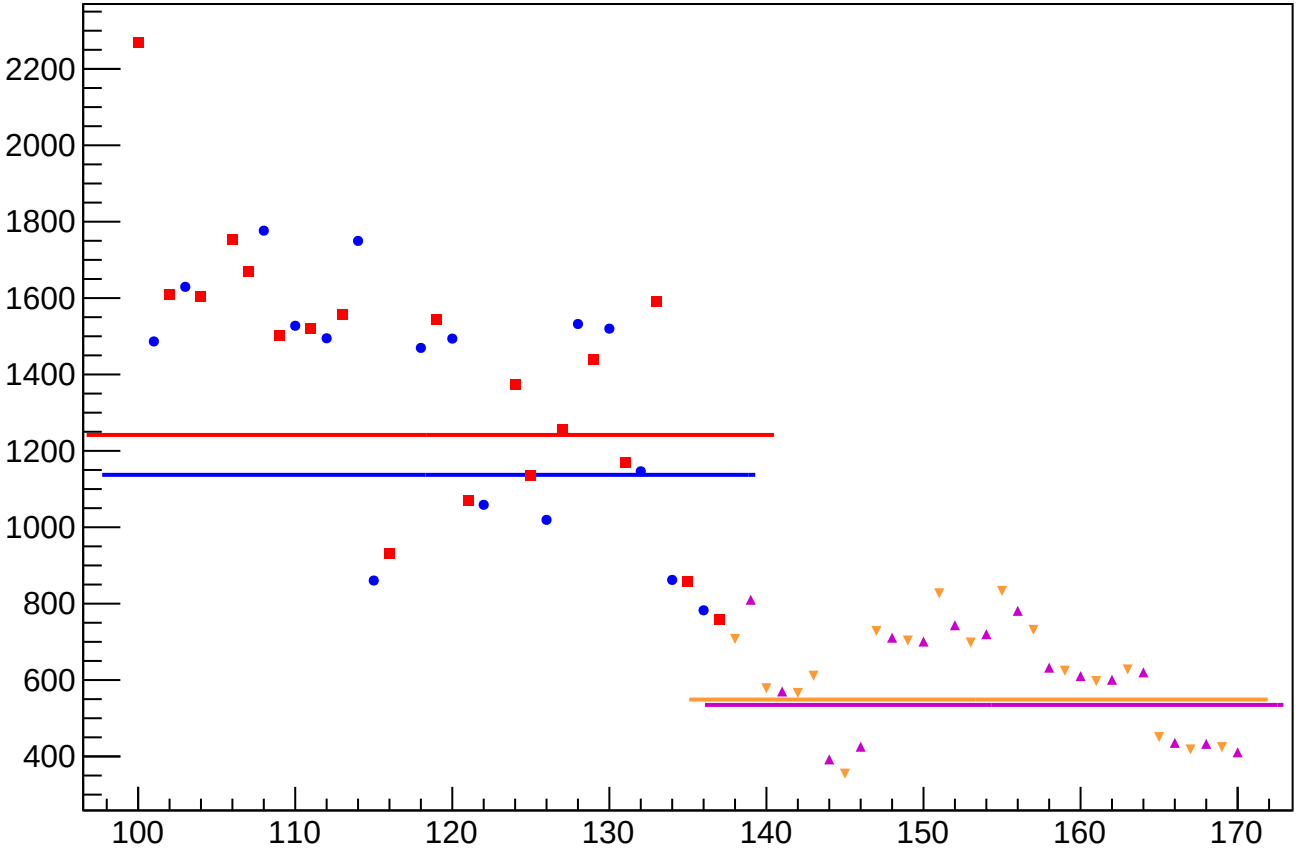
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 241.038+/-144.247 χ^2/NDF:37.3/31

Out: 693.713+/-147.703 χ^2/NDF:56.1/35

All: 462.018+/-103.199 χ^2/NDF: 98.2/67

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 548.891+/-0.110 χ^2/NDF:1722372.8/16

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 534.909+/-0.108 χ^2/NDF:1567616.2/15

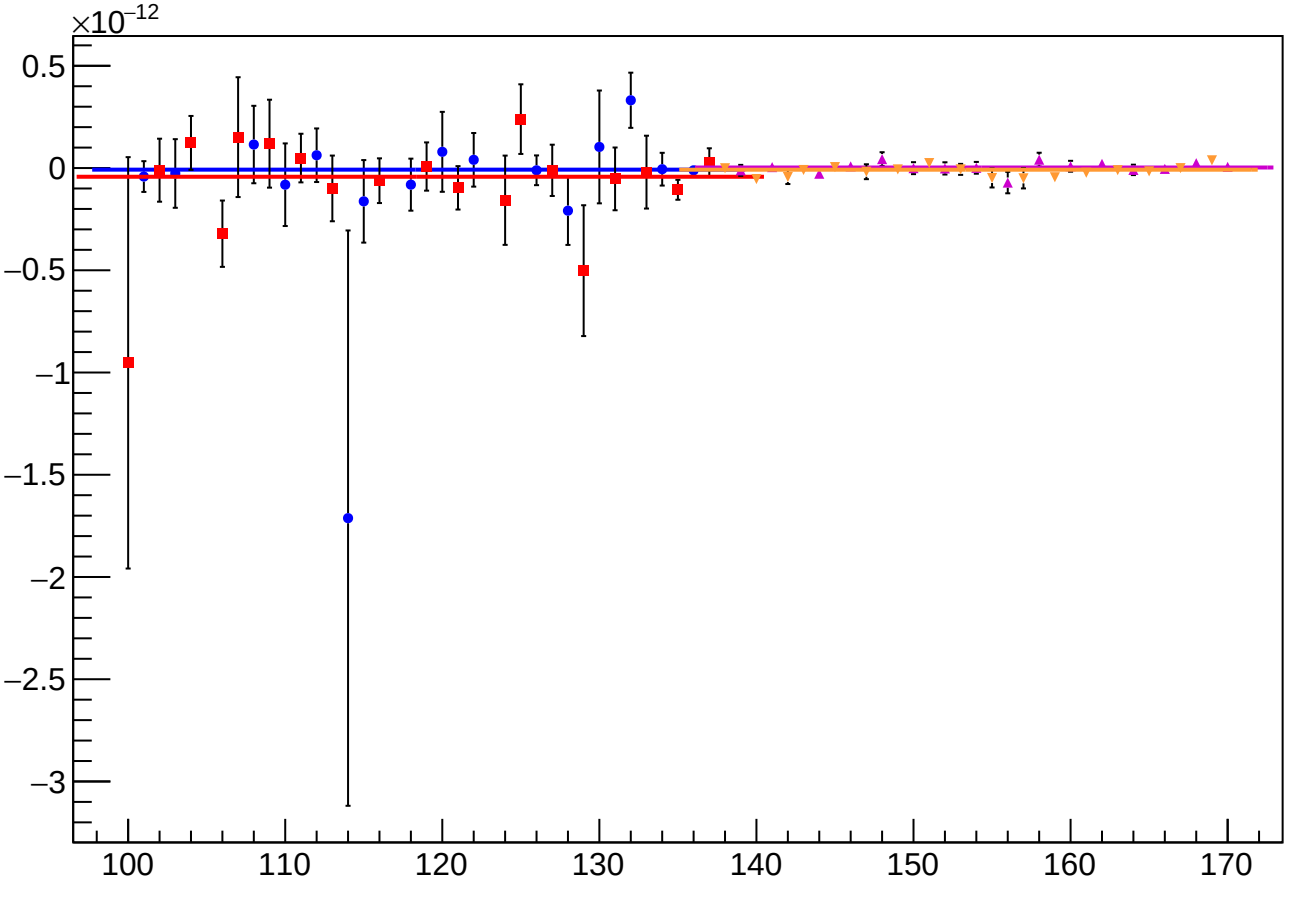
Left: 541.763+/-0.077 χ^2/NDF: 3298222.9/32

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 598.874+/-0.102 χ^2/NDF:6001255.5/31

Out: 617.416+/-0.104 χ^2/NDF:6543592.8/35

All: 607.926+/-0.073 χ^2/NDF: 12560980.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/15

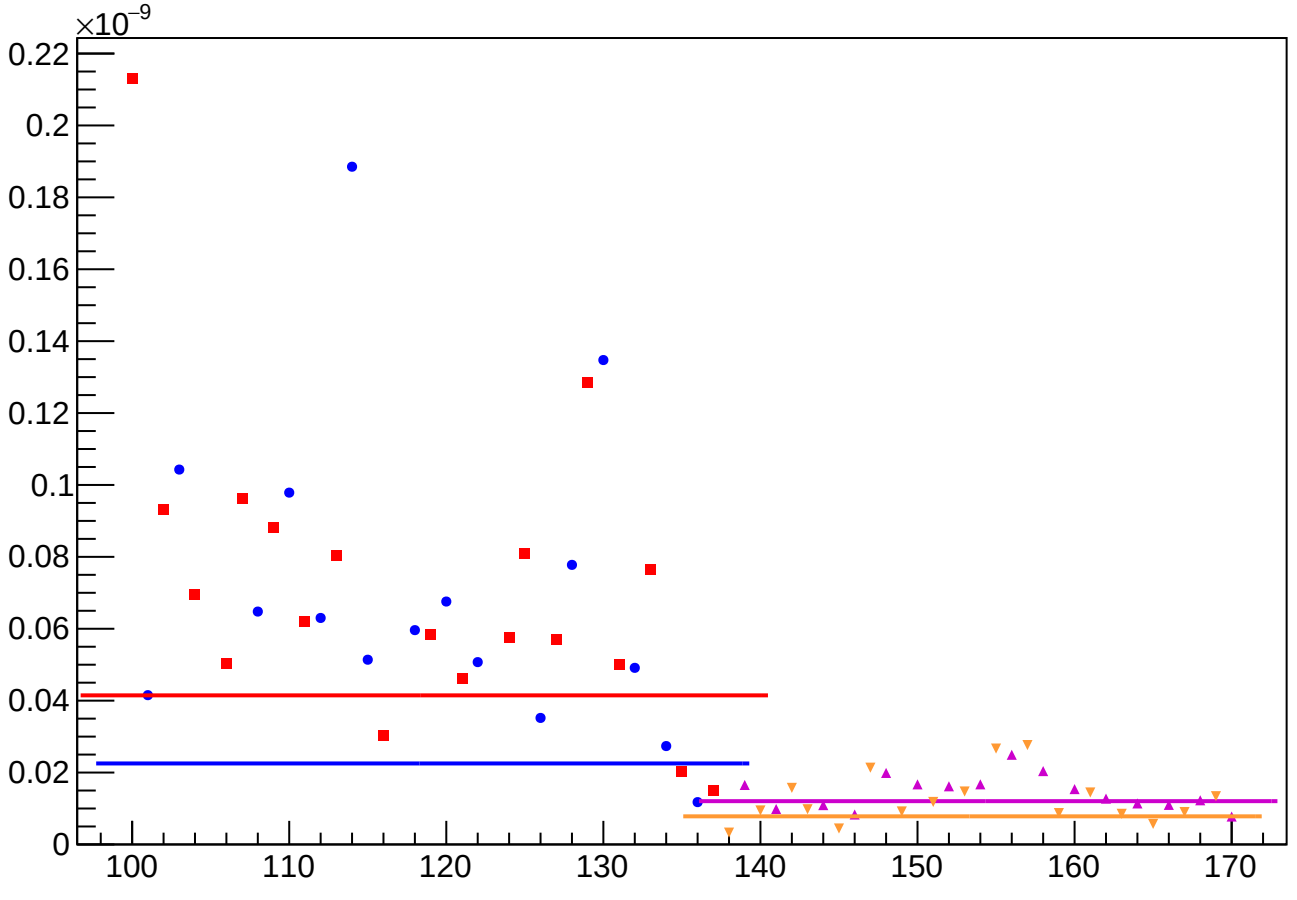
Left: -0.000+/-0.000 χ^2/NDF: 35.6/32

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:22.5/31

Out: -0.000+/-0.000 χ^2/NDF:40.0/35

All: -0.000+/-0.000 χ^2/NDF: 64.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2303945.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:903113.7/15

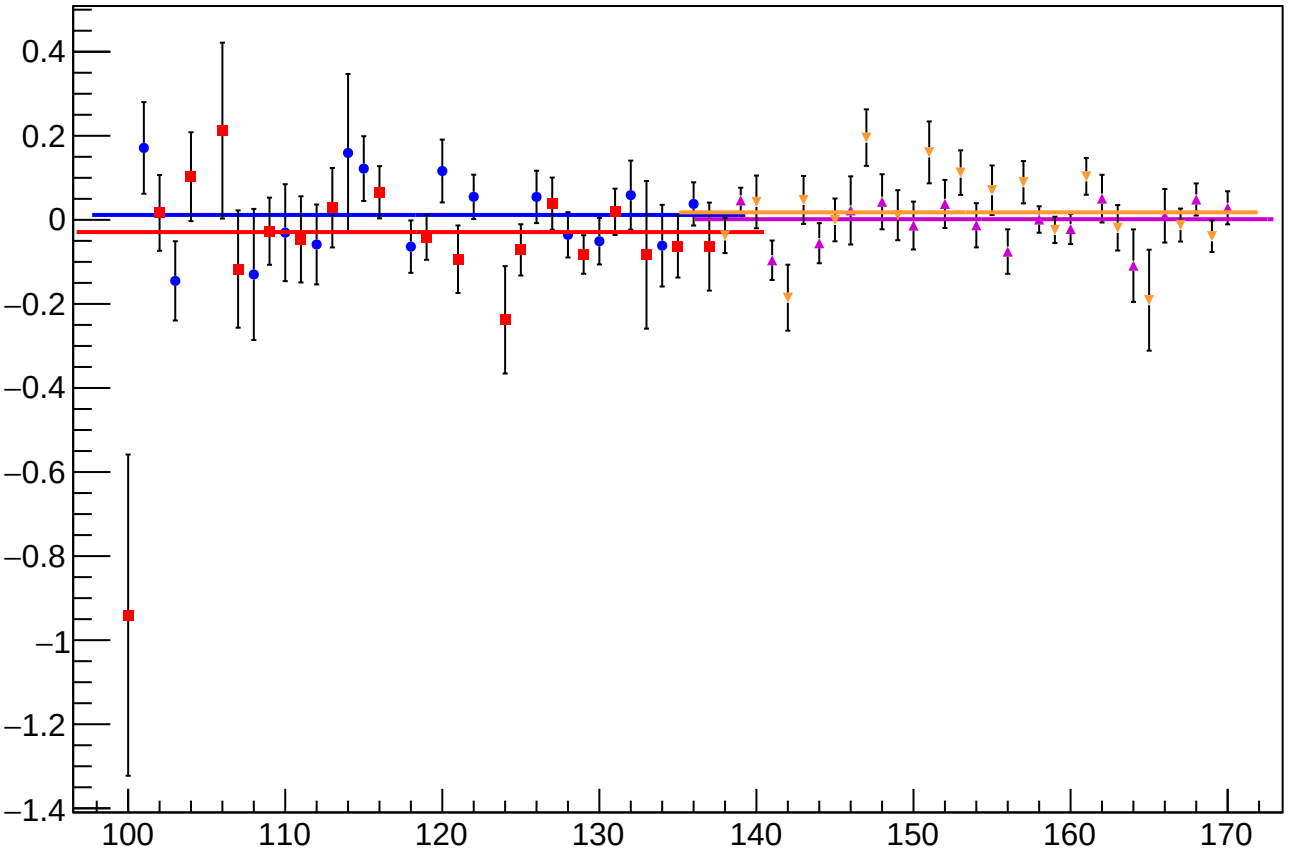
Left: 0.000+/-0.000 χ^2/NDF: 3913472.9/32

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4414879.7/31

Out: 0.000+/-0.000 χ^2/NDF:7169524.0/35

All: 0.000+/-0.000 χ^2/NDF: 12430870.6/67



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.012 χ^2/NDF:37.7/16

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.002+/-0.012 χ^2/NDF:15.9/15

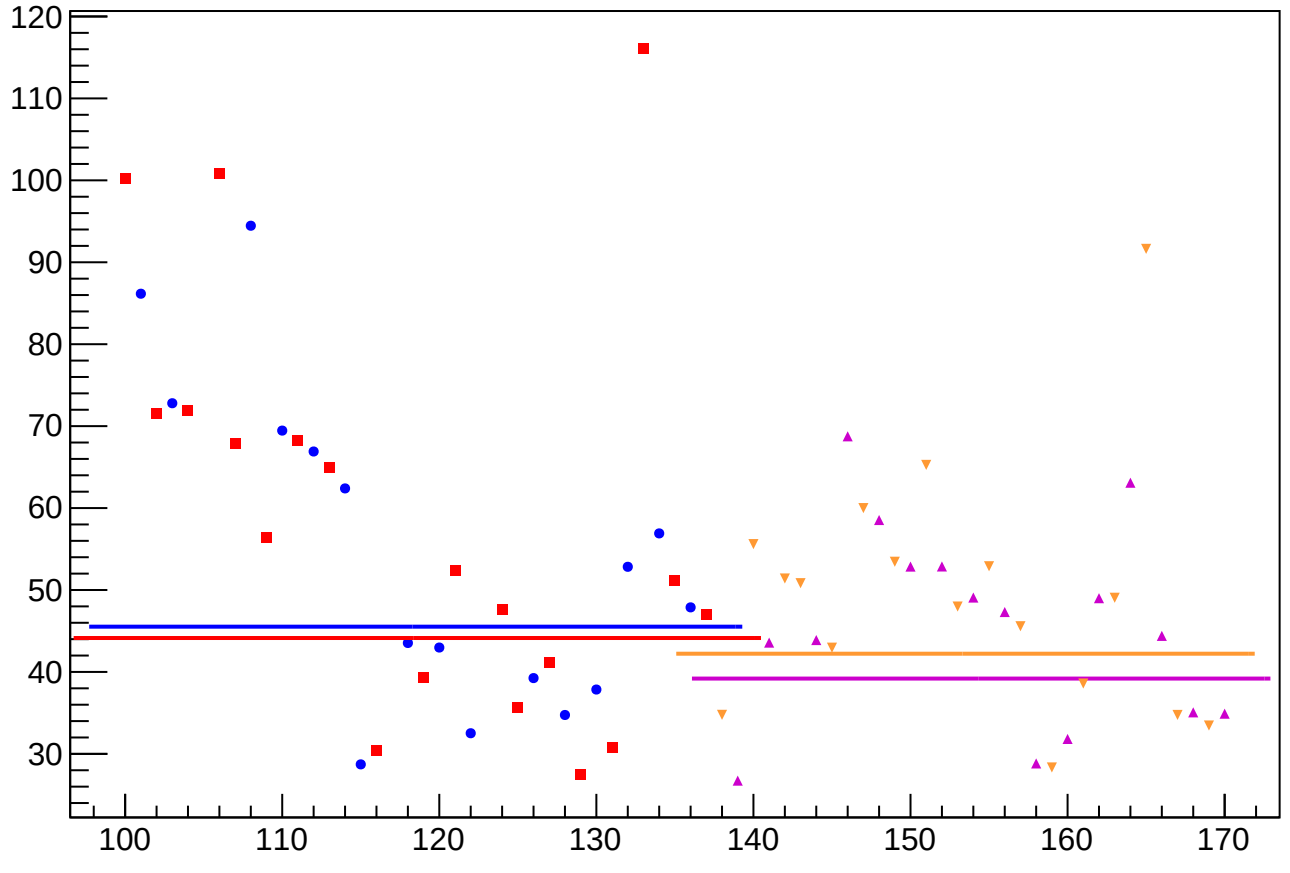
Left: 0.009+/-0.008 χ^2/NDF: 54.6/32

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/35

All: 0.004+/-0.007 χ^2/NDF: 95.0/67



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 42.225+/-0.009 χ^2/NDF:1692191.1/16

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.190+/-0.008 χ^2/NDF:1741226.3/15

Left: 40.623+/-0.006 χ^2/NDF: 3498761.7/32

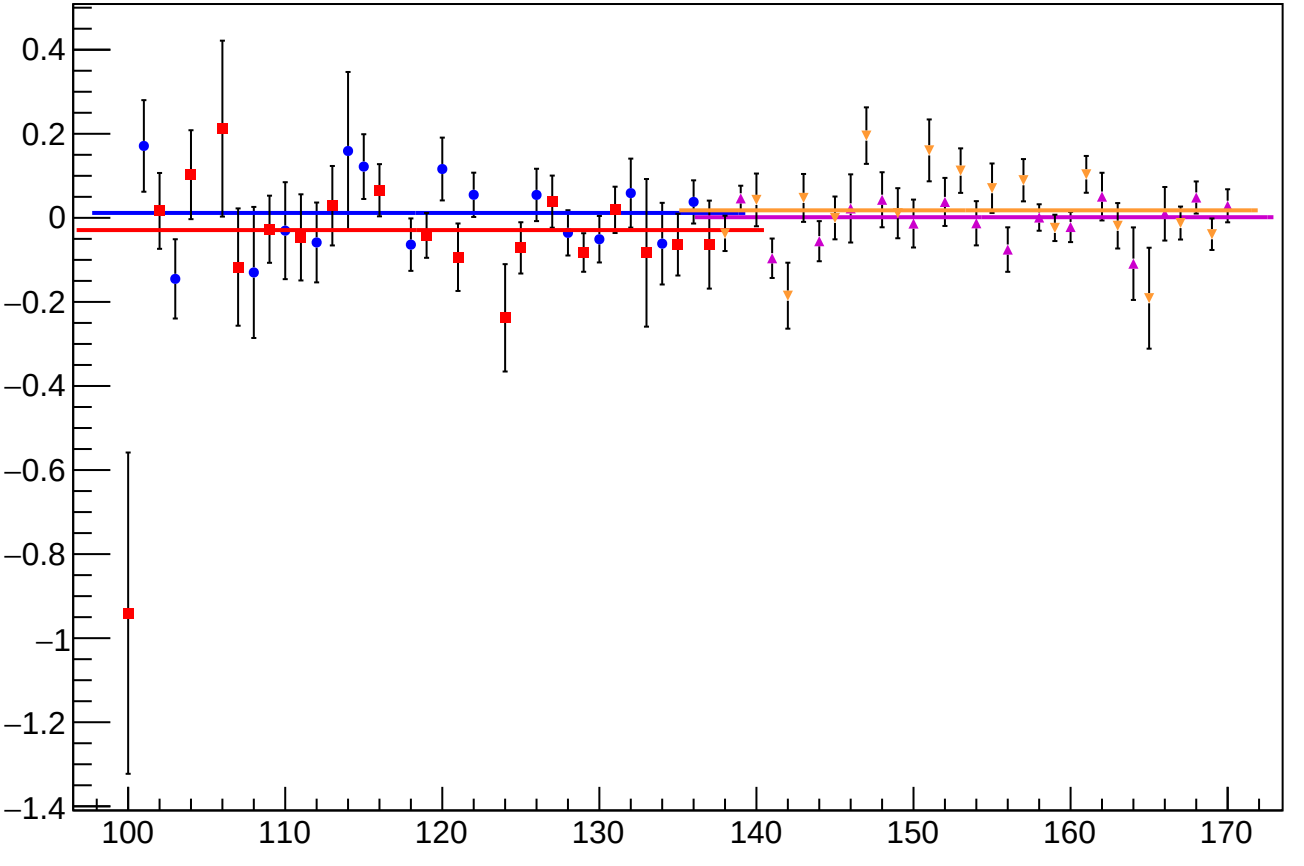
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.989+/-0.007 χ^2/NDF:3166453.5/31

Out: 42.833+/-0.007 χ^2/NDF:3451295.6/35

All: 41.881+/-0.005 χ^2/NDF: 6652328.0/67

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.012 χ^2/NDF:37.7/16

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.002+/-0.012 χ^2/NDF:15.9/15

Left: 0.009+/-0.008 χ^2/NDF: 54.6/32

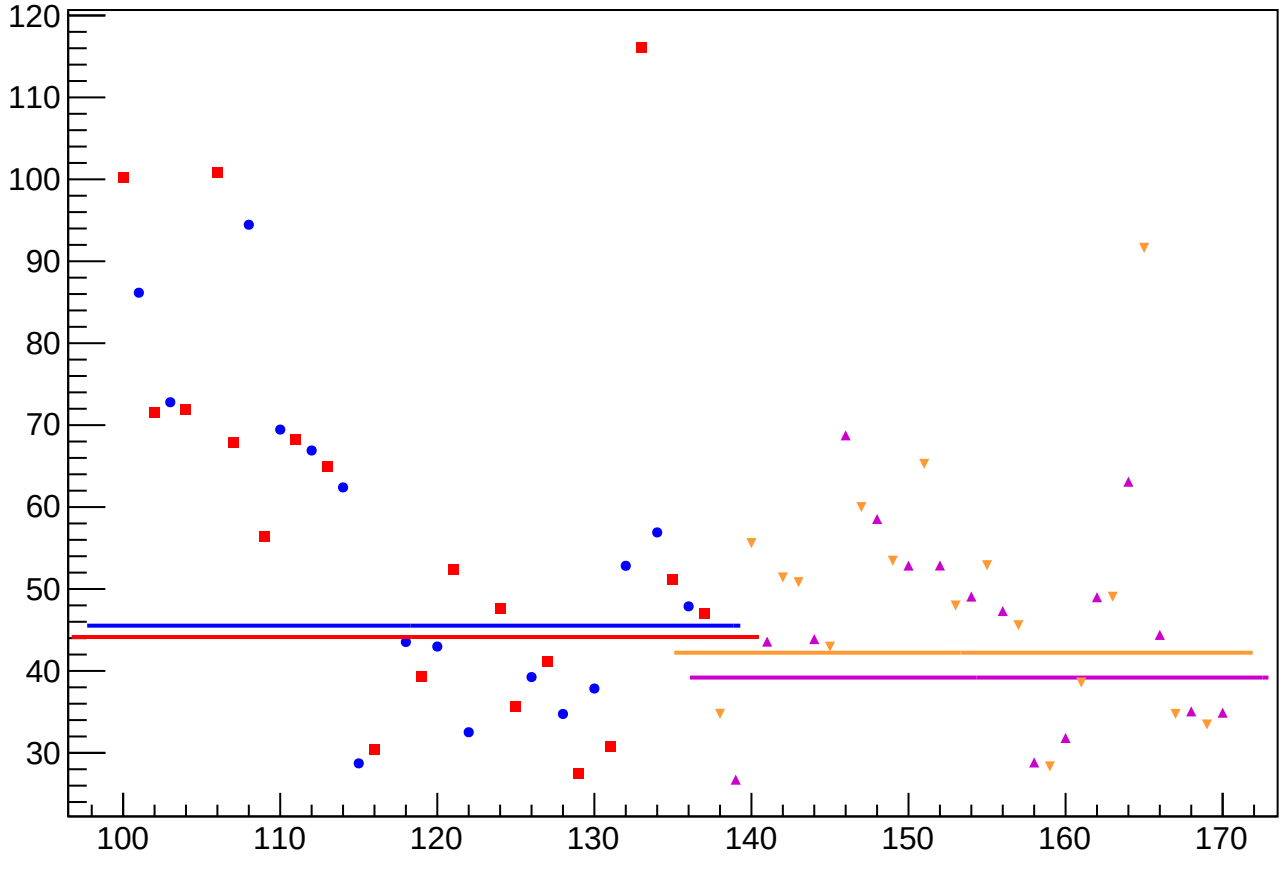
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/35

All: 0.004+/-0.007 χ^2/NDF: 95.0/67

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: 42.225+/-0.009 χ^2/NDF:1692191.1/16

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.190+/-0.008 χ^2/NDF:1741226.3/15

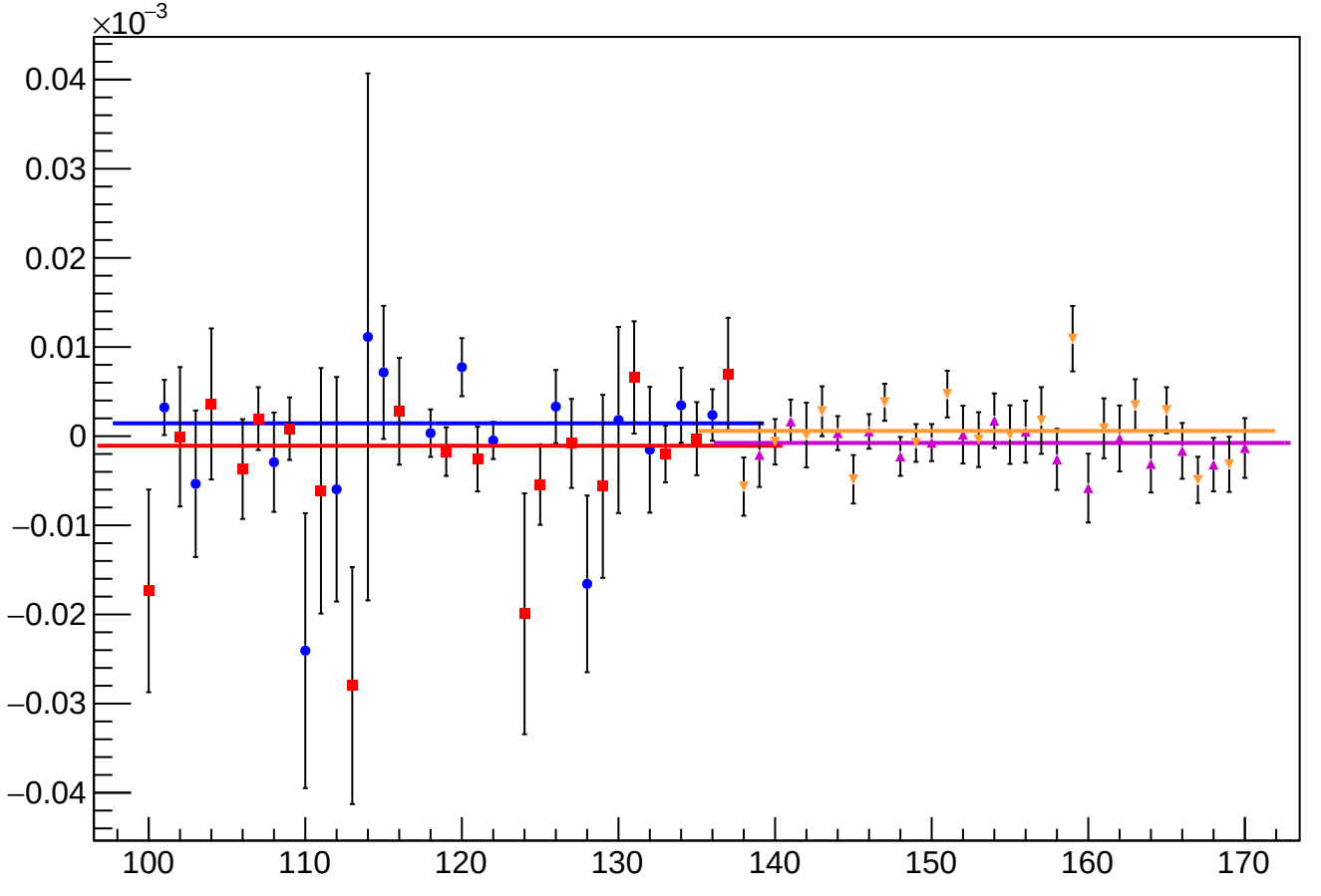
Left: 40.623+/-0.006 χ^2/NDF: 3498761.7/32

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.989+/-0.007 χ^2/NDF:3166453.5/31

Out: 42.833+/-0.007 χ^2/NDF:3451295.6/35

All: 41.881+/-0.005 χ^2/NDF: 6652328.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/15

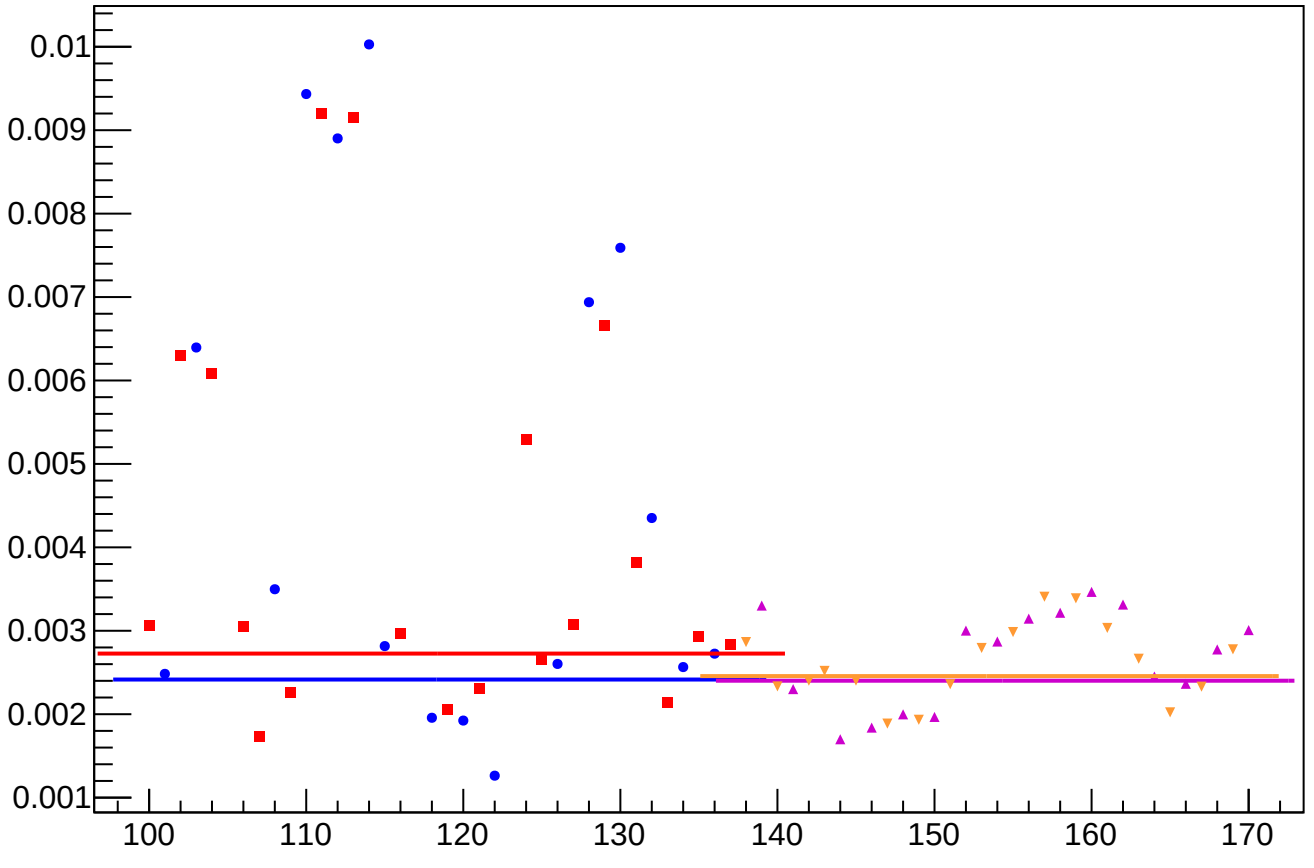
Left: -0.000+/-0.000 χ^2/NDF: 38.2/32

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:23.9/31

Out: 0.000+/-0.000 χ^2/NDF:46.1/35

All: 0.000+/-0.000 χ^2/NDF: 70.1/67



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:799904.5/16

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1412906.6/15

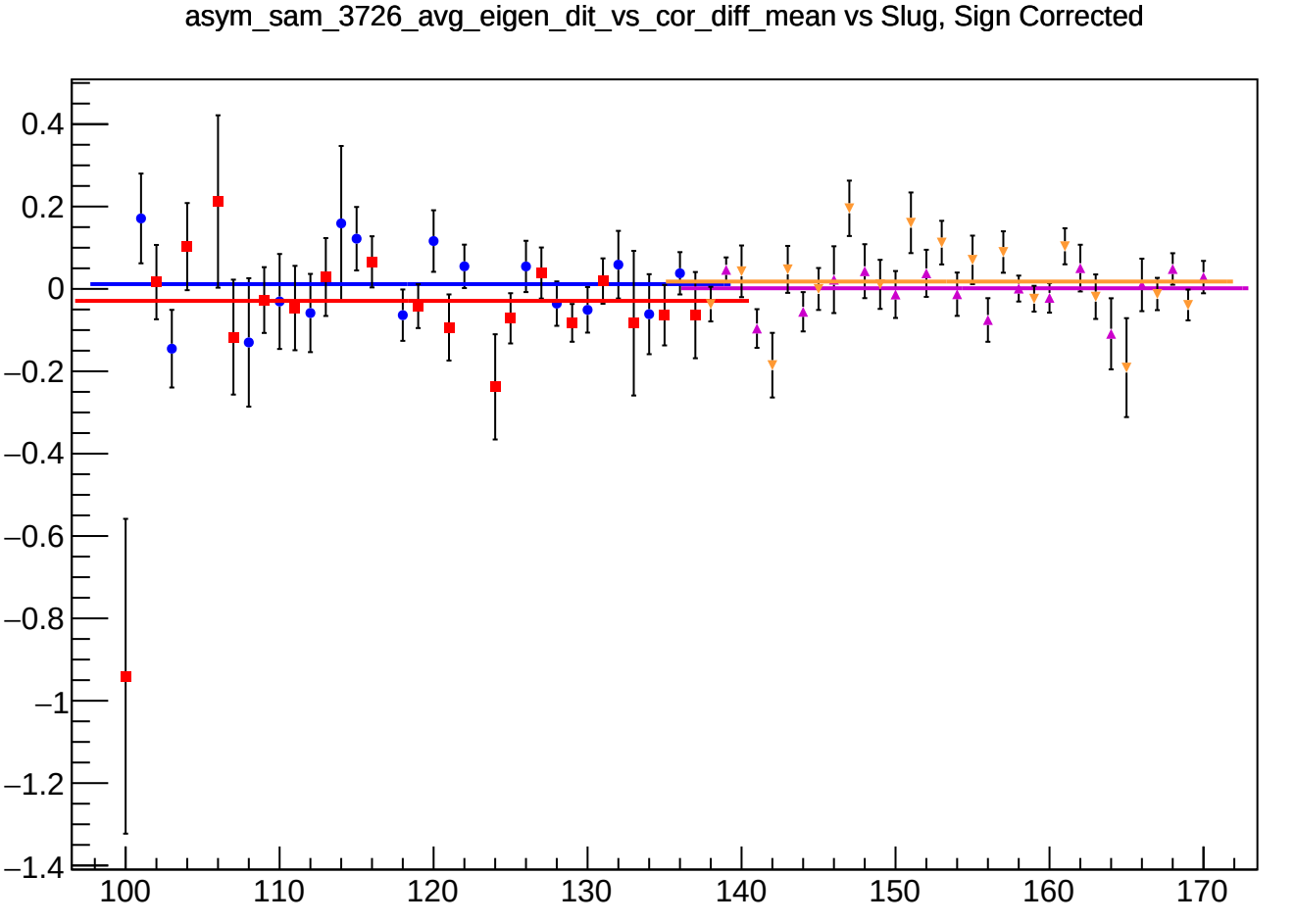
Left: 0.002+/-0.000 χ^2/NDF: 2219360.1/32

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4845275.1/31

Out: 0.003+/-0.000 χ^2/NDF:3389393.9/35

All: 0.002+/-0.000 χ^2/NDF: 8280798.9/67



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.018+/-0.012 χ^2/NDF:37.7/16

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.002+/-0.012 χ^2/NDF:15.9/15

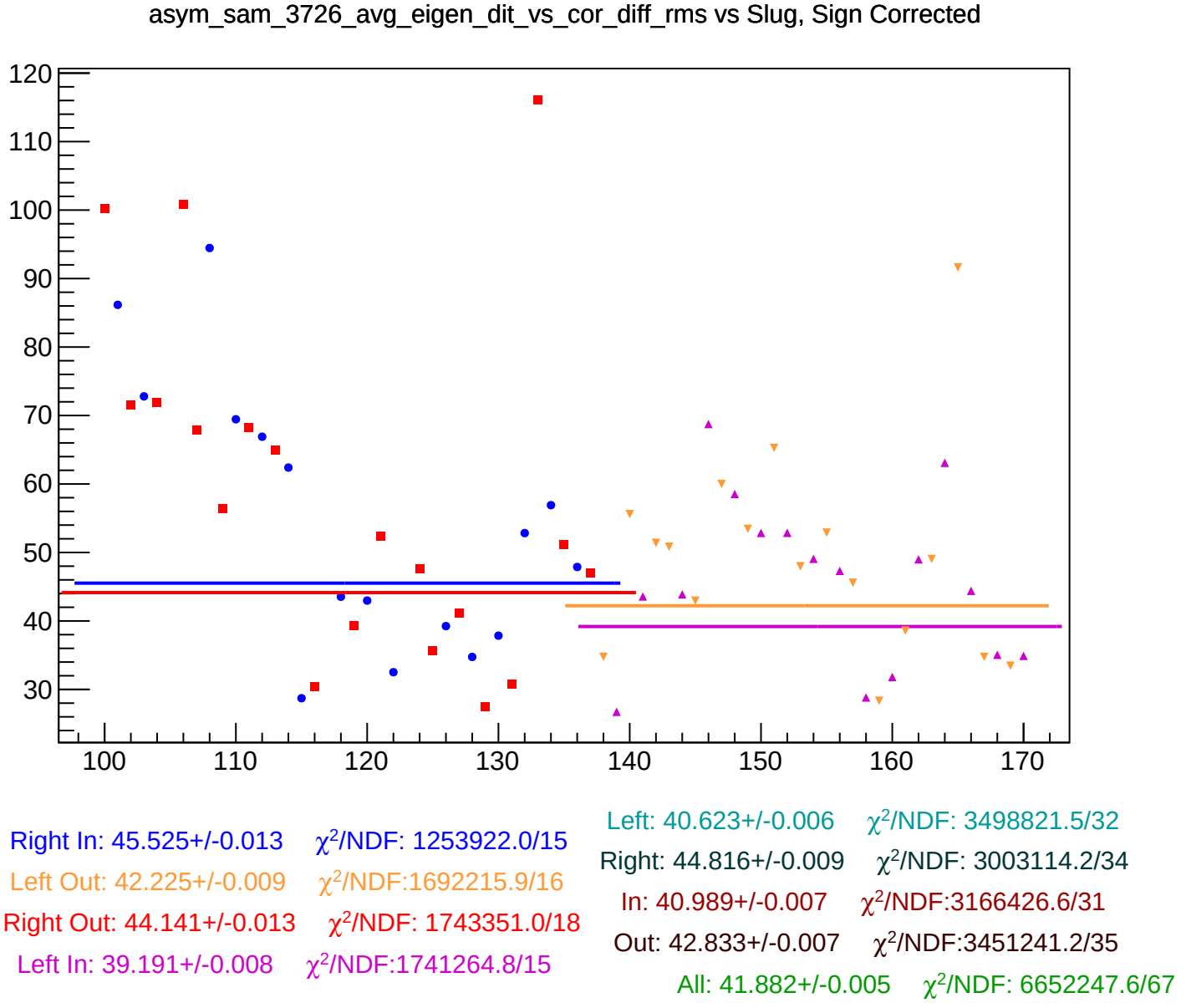
Left: 0.009+/-0.008 χ^2/NDF: 54.6/32

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

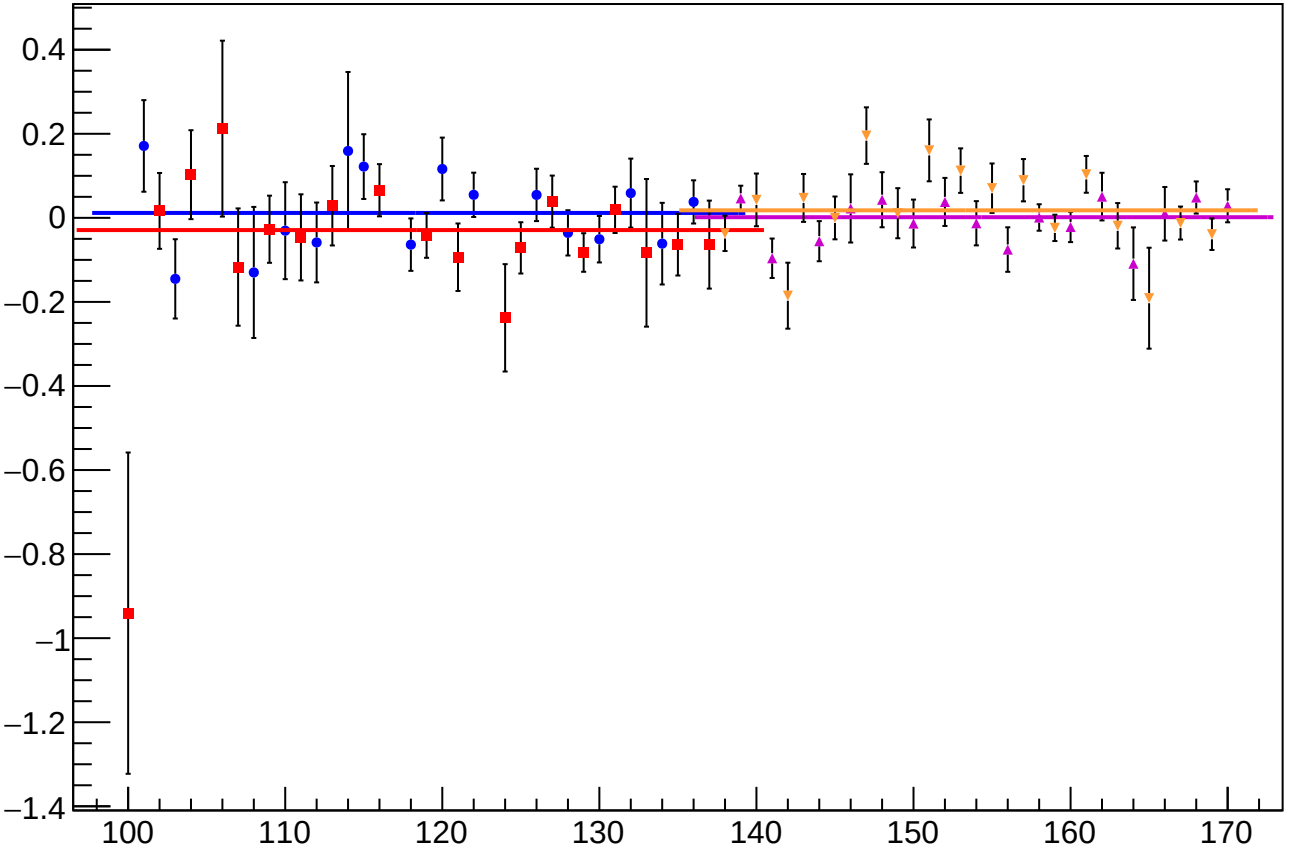
In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/35

All: 0.004+/-0.007 χ^2/NDF: 95.0/67


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 42.225+/-0.009 χ²/NDF:1692215.9/16
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 39.191+/-0.008 χ²/NDF:1741264.8/15
Left: 40.623+/-0.006 χ²/NDF: 3498821.5/32
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 40.989+/-0.007 χ²/NDF:3166426.6/31
Out: 42.833+/-0.007 χ²/NDF:3451241.2/35
All: 41.882+/-0.005 χ²/NDF: 6652247.6/67

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+/-0.012 χ^2/NDF:37.7/16

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.002+/-0.012 χ^2/NDF:15.9/15

Left: 0.009+/-0.008 χ^2/NDF: 54.6/32

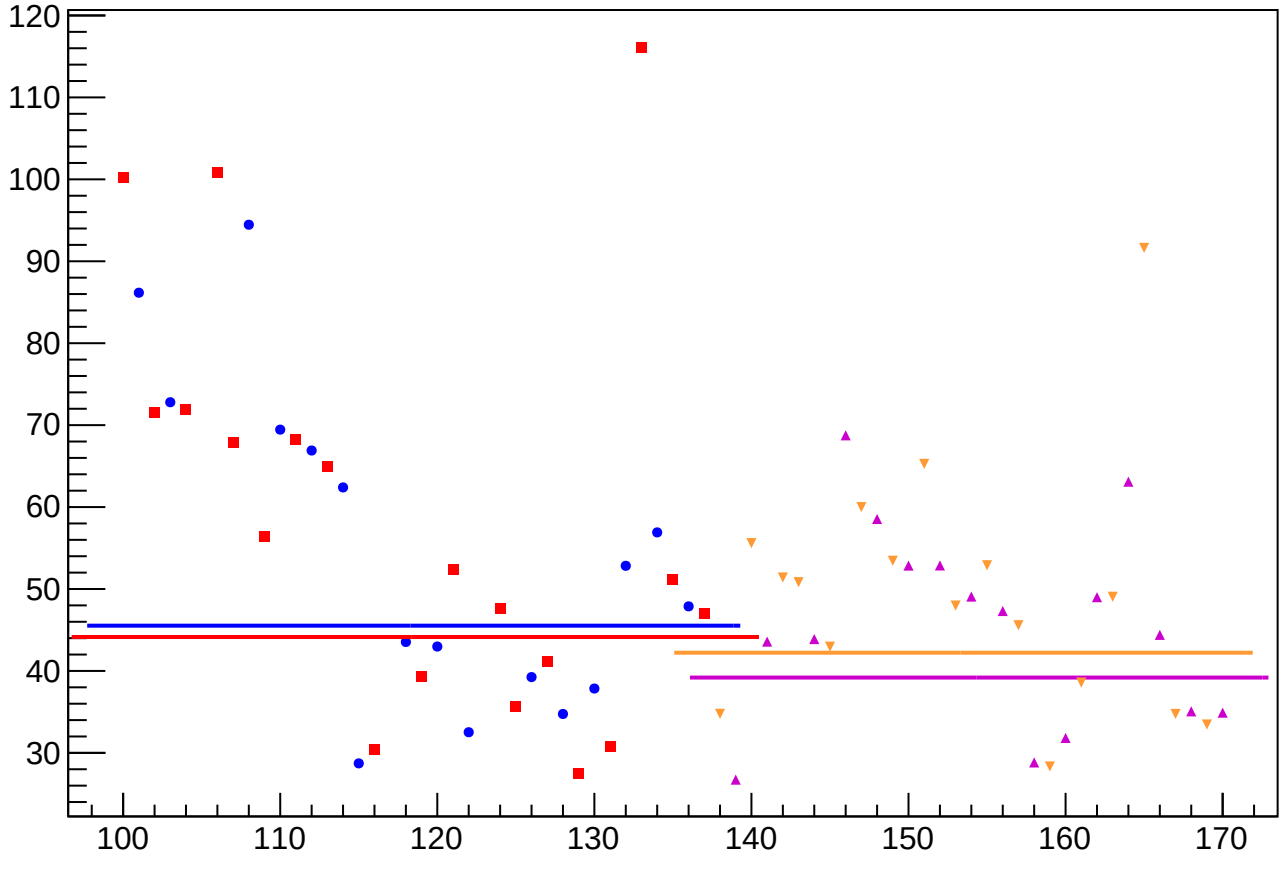
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/35

All: 0.004+/-0.007 χ^2/NDF: 95.0/67

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 42.225+/-0.009 χ^2/NDF:1692215.9/16

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.191+/-0.008 χ^2/NDF:1741264.8/15

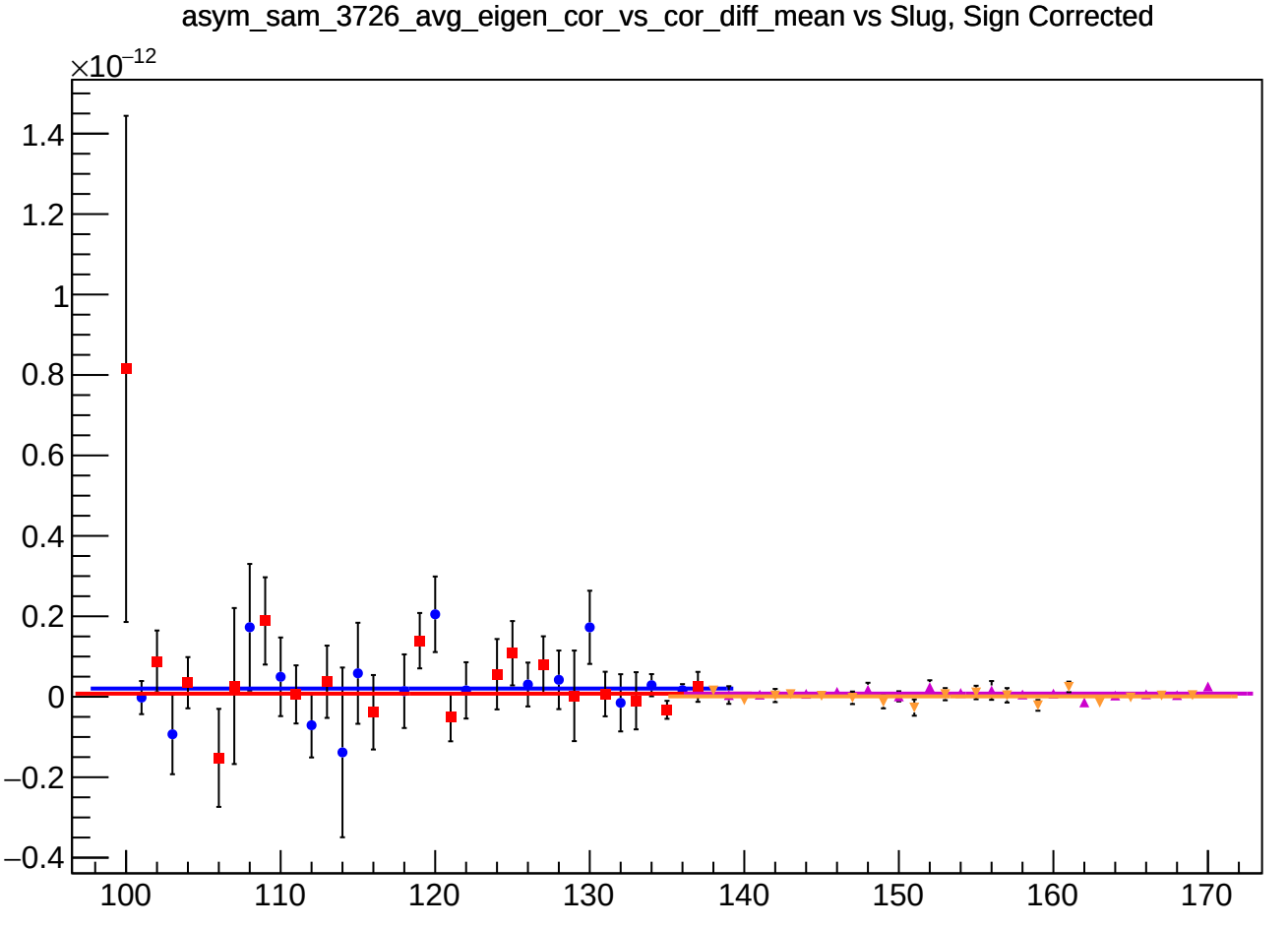
Left: 40.623+/-0.006 χ^2/NDF: 3498821.5/32

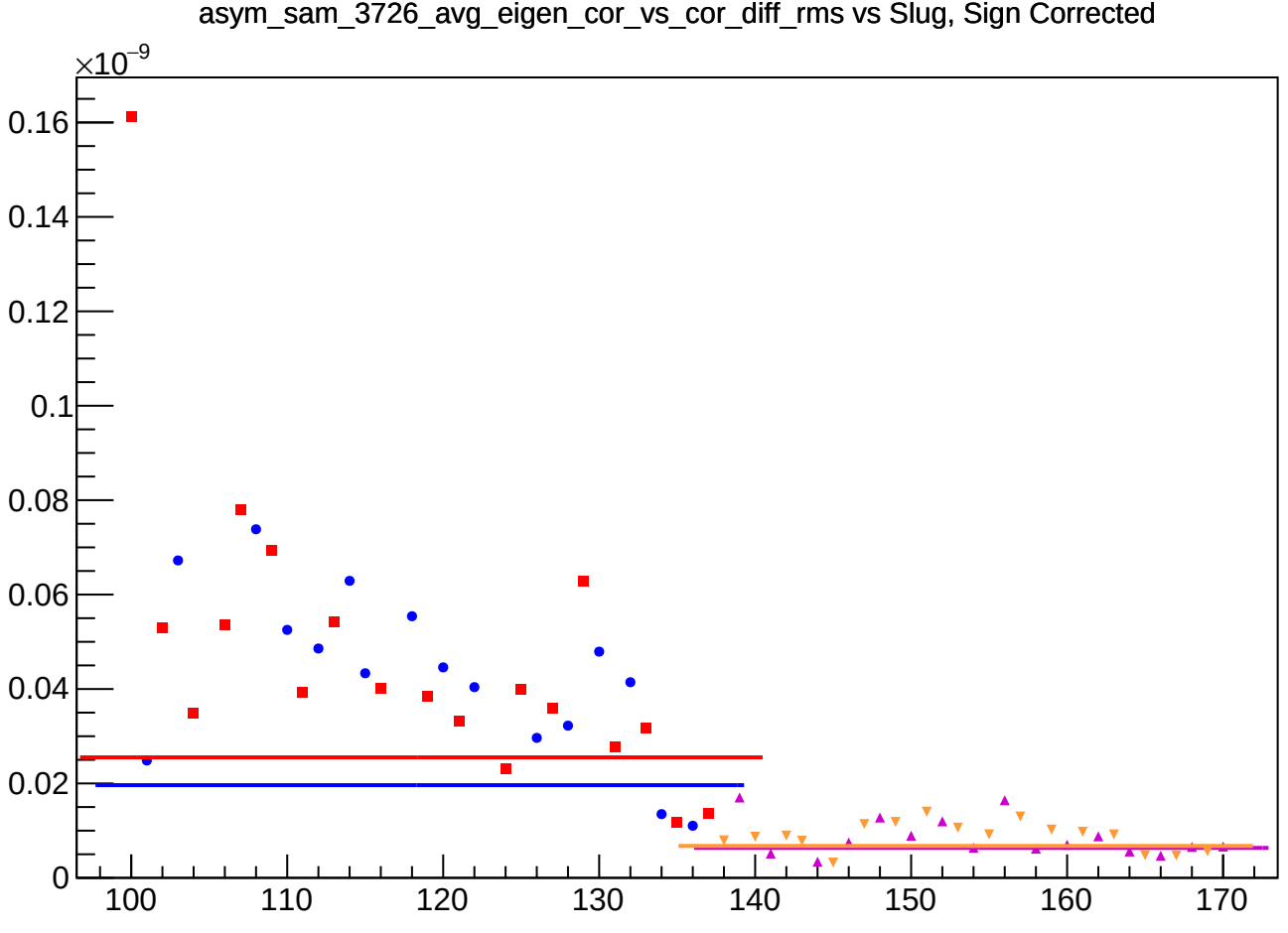
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.989+/-0.007 χ^2/NDF:3166426.6/31

Out: 42.833+/-0.007 χ^2/NDF:3451241.2/35

All: 41.882+/-0.005 χ^2/NDF: 6652247.6/67


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/16
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 26.4/32
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:22.4/31
Out: 0.000+/-0.000 χ²/NDF:32.5/35
All: 0.000+/-0.000 χ²/NDF: 59.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2600857.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2188619.1/15

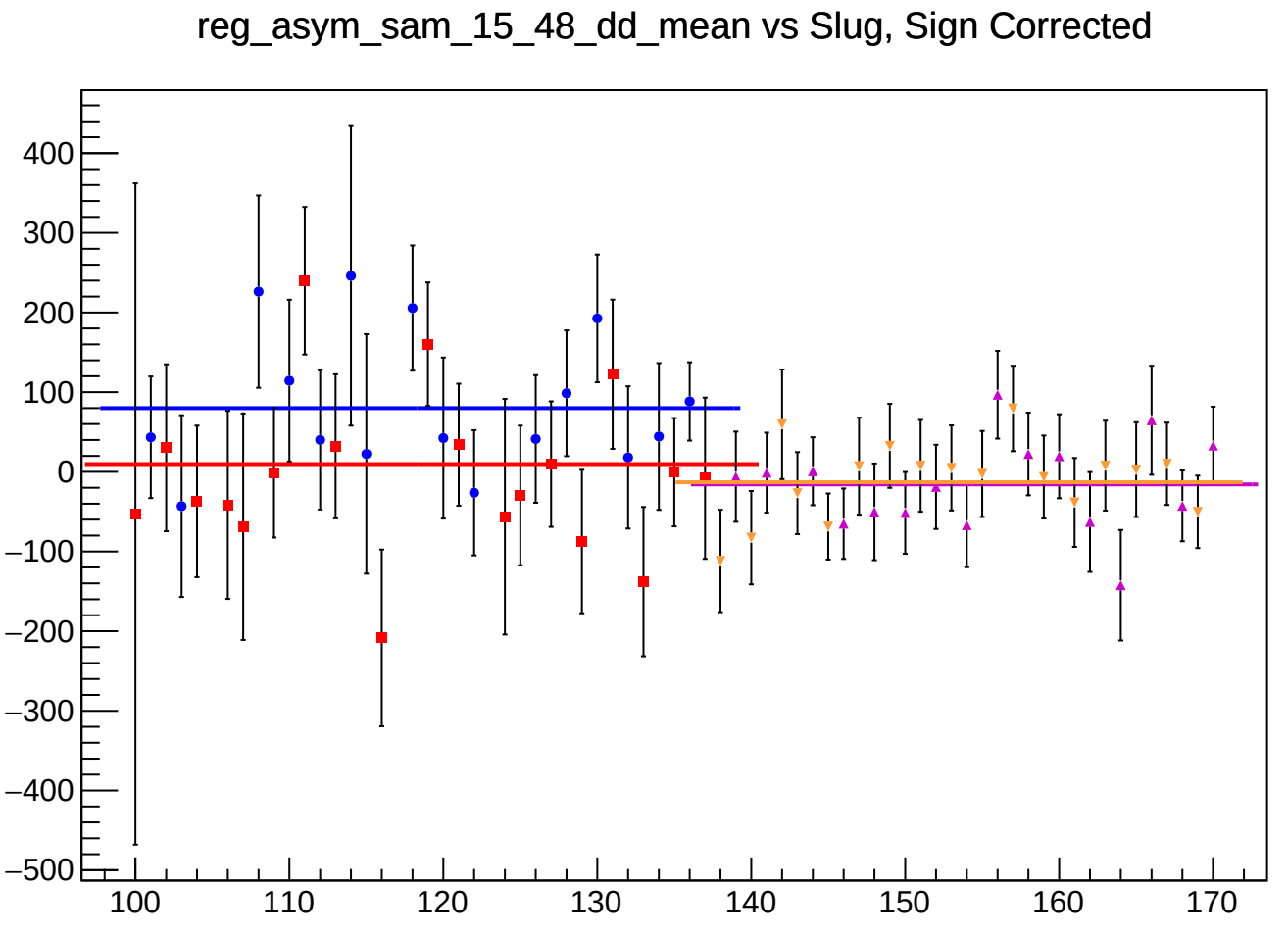
Left: 0.000+/-0.000 χ^2/NDF: 4816296.6/32

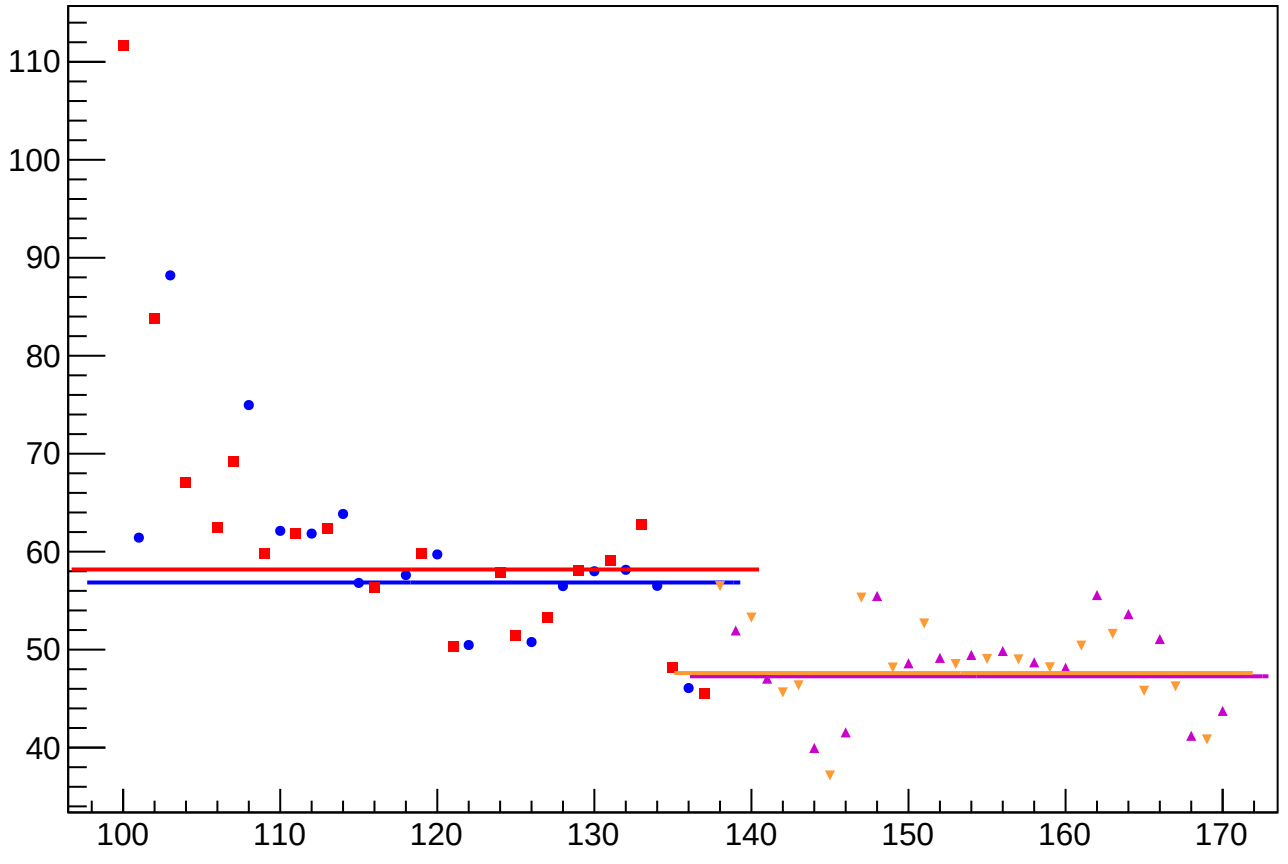
Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8120945.9/31

Out: 0.000+/-0.000 χ^2/NDF:8922435.9/35

All: 0.000+/-0.000 χ^2/NDF: 17072410.0/67


reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
−400
−500
100
110
120
130
140
150
160
170
Right In: 79.993+/-21.474 χ²/NDF: 11.6/15
Left Out: -13.077+/-13.109 χ²/NDF:12.2/16
Right Out: 9.730+/-21.617 χ²/NDF: 20.3/18
Left In: -15.785+/-13.127 χ²/NDF:15.1/15
Left: -14.429+/-9.276 χ²/NDF: 27.3/32
Right: 45.094+/-15.235 χ²/NDF: 37.2/34
In: 10.269+/-11.200 χ²/NDF:41.1/31
Out: -6.946+/-11.209 χ²/NDF:33.3/35
All: 1.668+/-7.923 χ²/NDF: 75.6/67



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.610+/-0.009 χ^2/NDF:300623.8/16

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

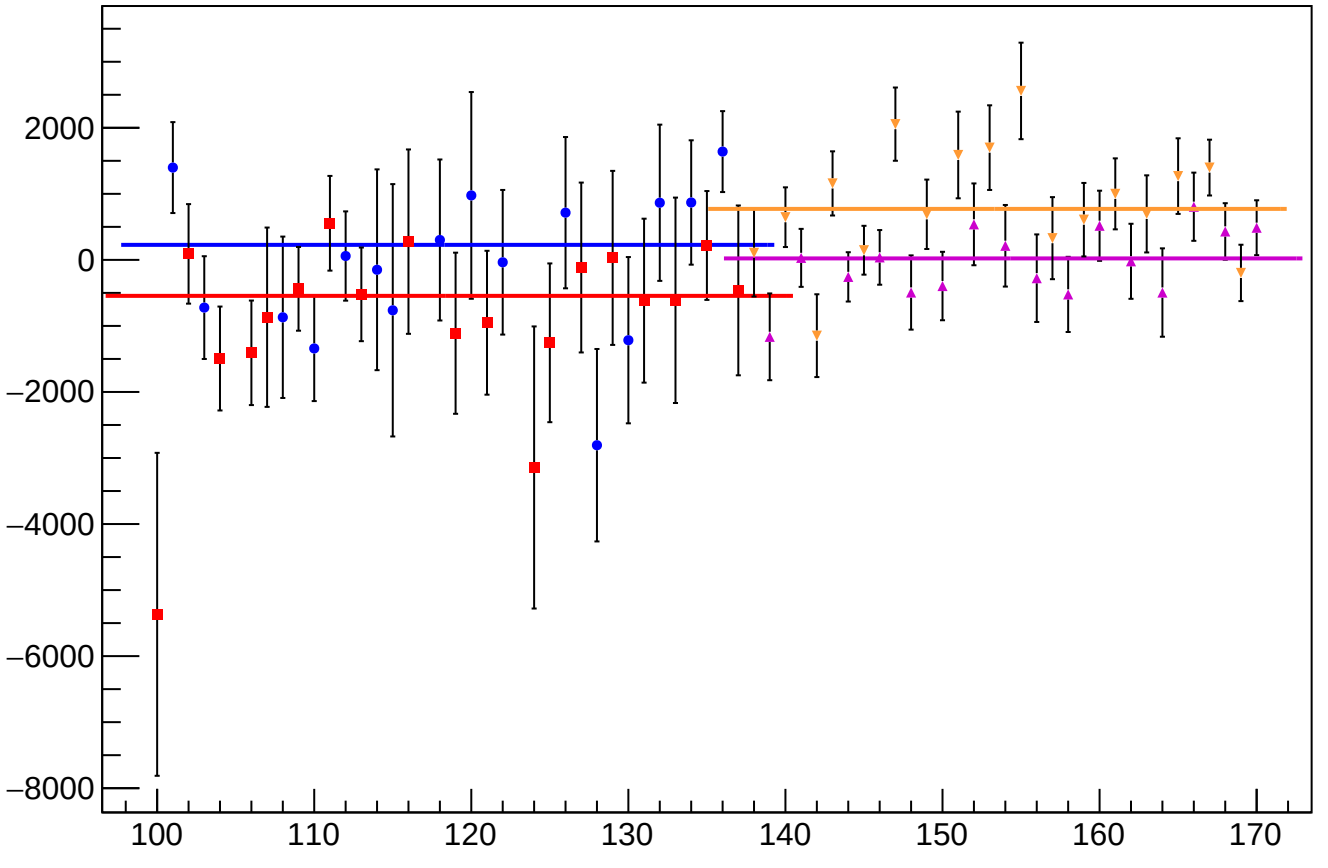
Left: 47.444+/-0.007 χ^2/NDF: 563445.3/32

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.882+/-0.008 χ^2/NDF:893360.4/31

Out: 50.452+/-0.008 χ^2/NDF:964997.5/35

All: 50.167+/-0.006 χ^2/NDF: 1860942.5/67



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 772.088+/-127.895 χ^2/NDF:37.9/16

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 22.178+/-127.125 χ^2/NDF:13.2/15

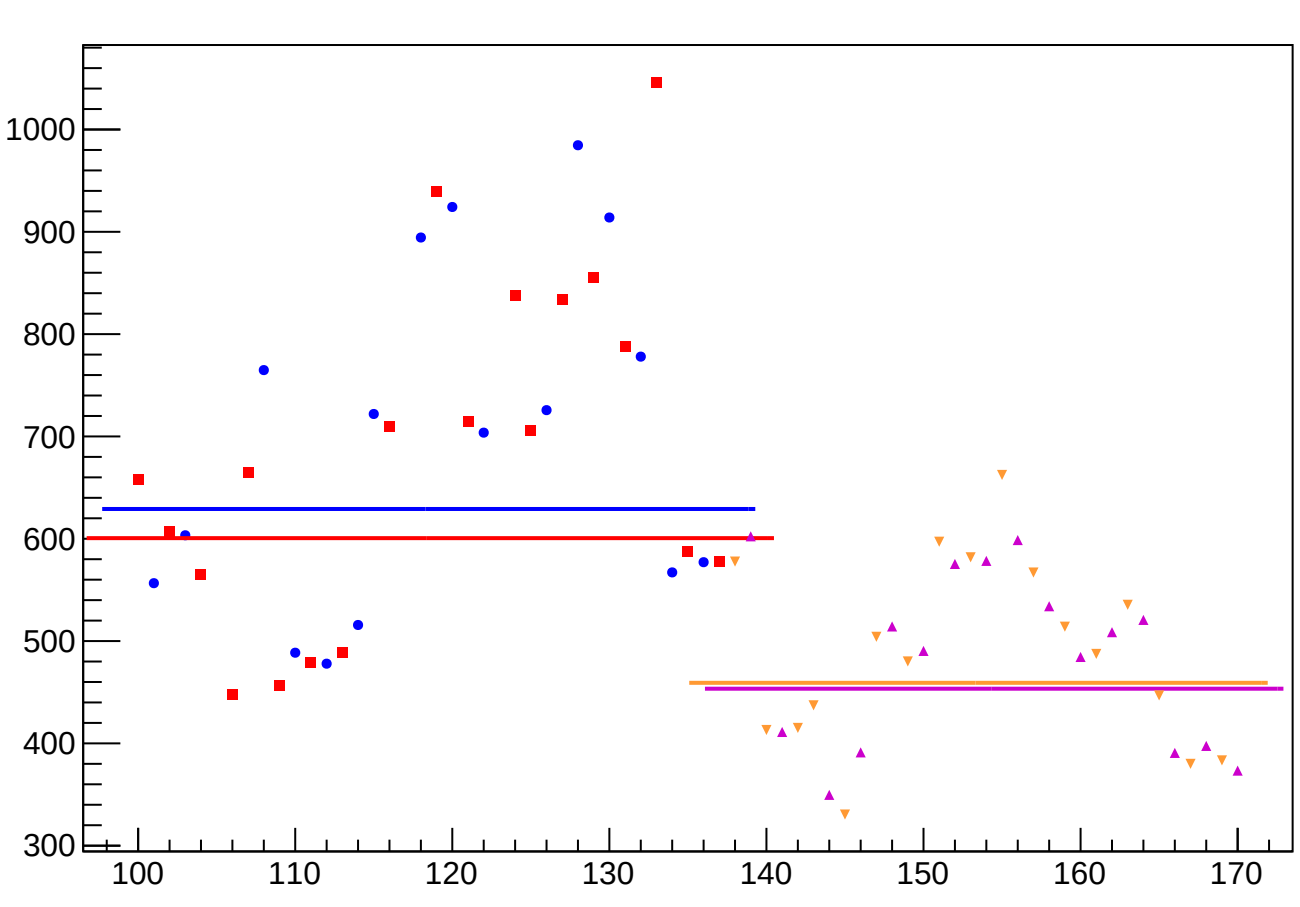
Left: 394.869+/-90.162 χ^2/NDF: 68.3/32

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 66.809+/-112.464 χ^2/NDF:35.4/31

Out: 455.307+/-111.455 χ^2/NDF:76.7/35

All: 262.807+/-79.165 χ^2/NDF: 118.1/67



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 459.197+/-0.090 χ^2/NDF:927634.1/16

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 453.436+/-0.090 χ^2/NDF:833778.4/15

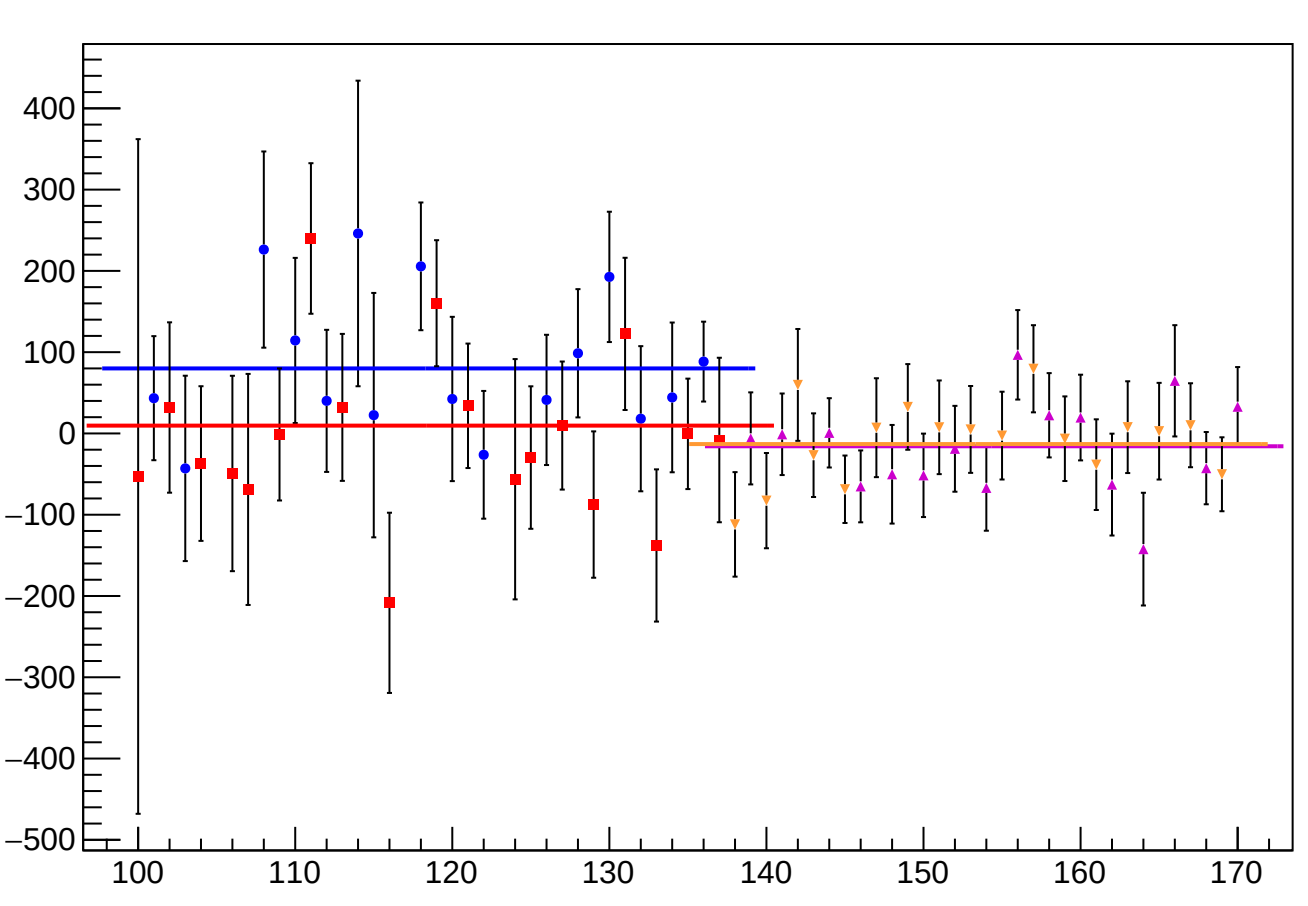
Left: 456.299+/-0.064 χ^2/NDF: 1763453.8/32

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 491.618+/-0.080 χ^2/NDF:2356527.0/31

Out: 493.211+/-0.079 χ^2/NDF:2390304.3/35

All: 492.422+/-0.056 χ^2/NDF: 4747033.9/67



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.080+/-13.109 χ^2/NDF:12.2/16

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.786+/-13.127 χ^2/NDF:15.1/15

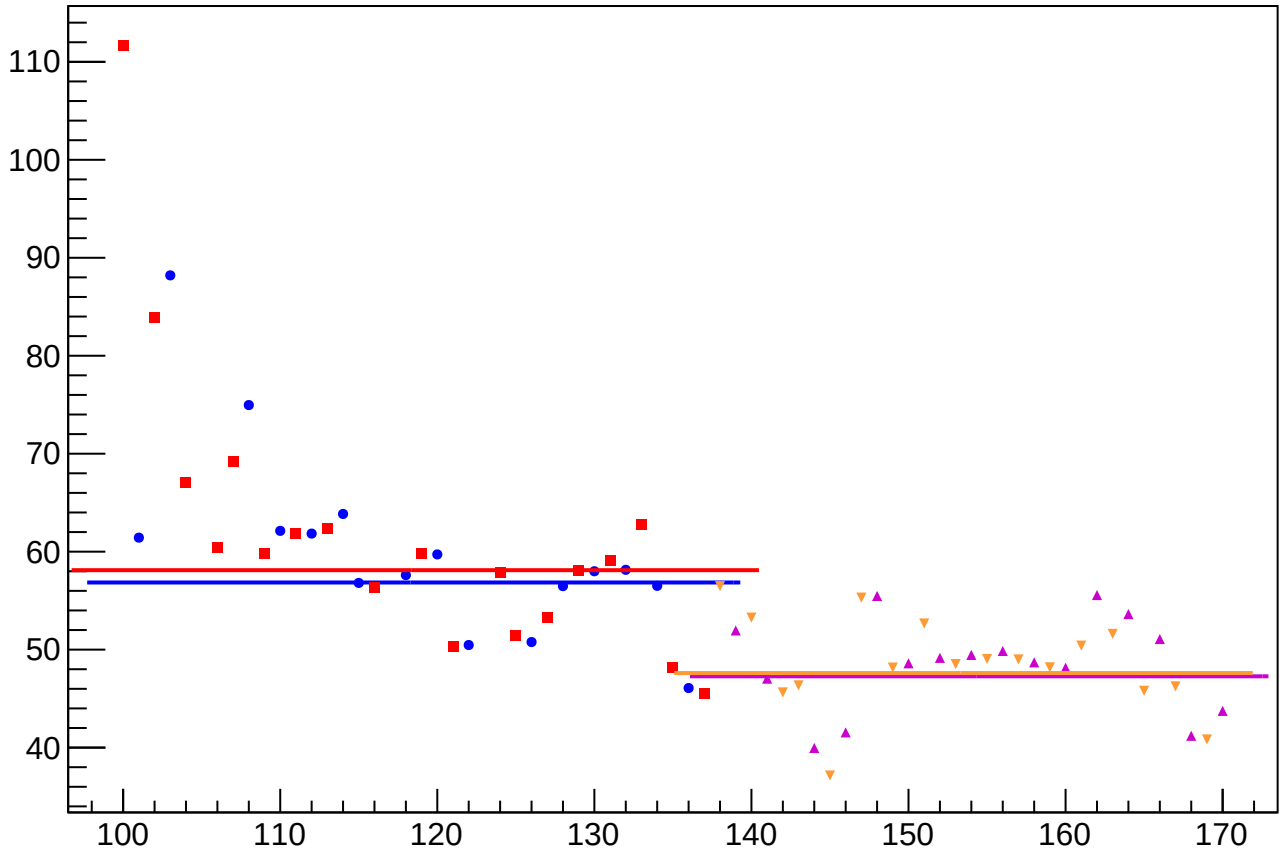
Left: -14.431+/-9.276 χ^2/NDF: 27.3/32

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 10.270+/-11.200 χ^2/NDF:41.1/31

Out: -6.983+/-11.211 χ^2/NDF:33.4/35

All: 1.652+/-7.923 χ^2/NDF: 75.7/67



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.610+/-0.009 χ^2/NDF:300623.8/16

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

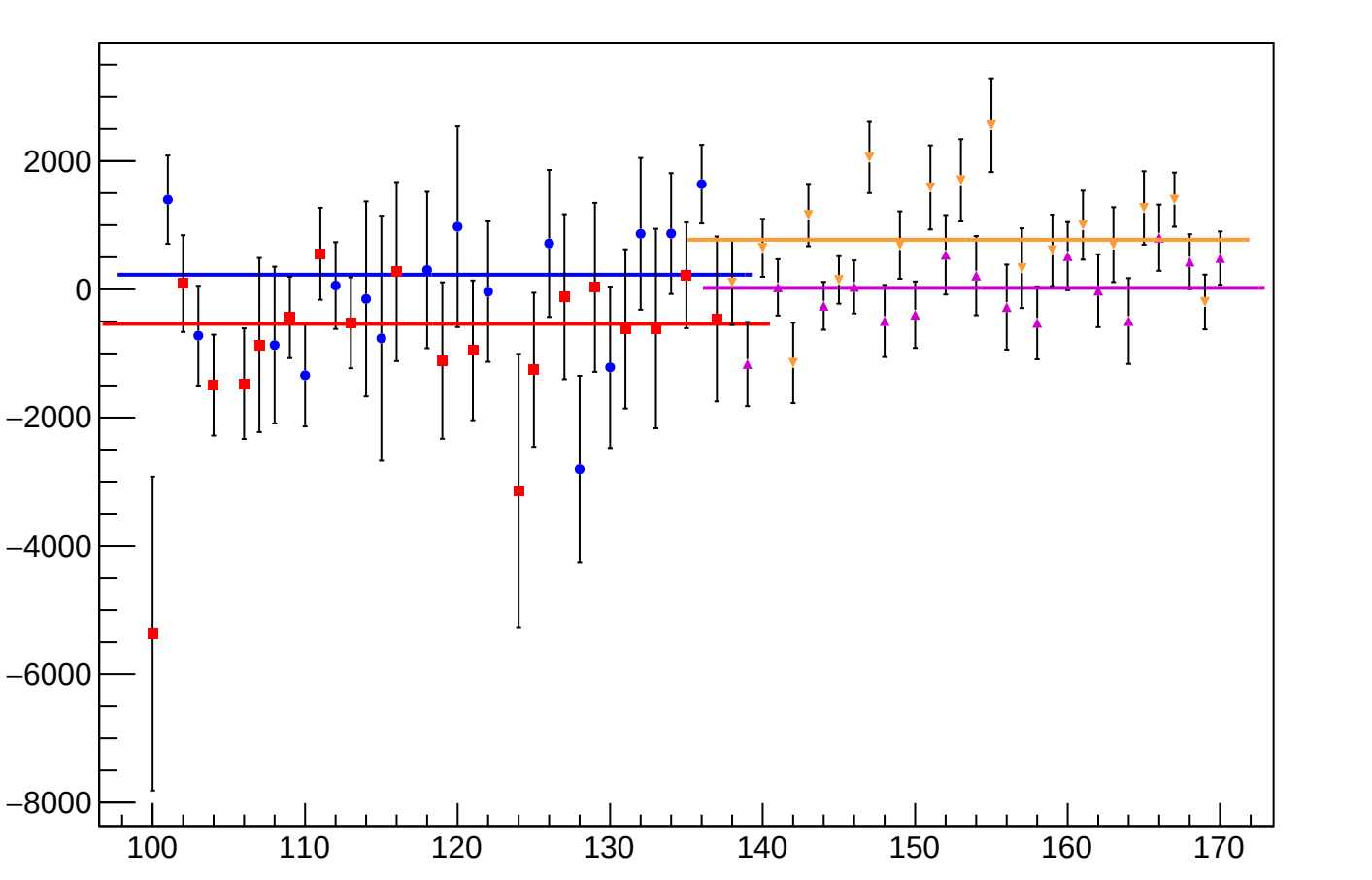
Left: 47.444+/-0.007 χ^2/NDF: 563445.3/32

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.882+/-0.008 χ^2/NDF:893364.4/31

Out: 50.430+/-0.008 χ^2/NDF:958295.0/35

All: 50.156+/-0.006 χ^2/NDF: 1854051.2/67



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 772.085+/-127.895 χ^2/NDF:37.9/16

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 22.174+/-127.125 χ^2/NDF:13.2/15

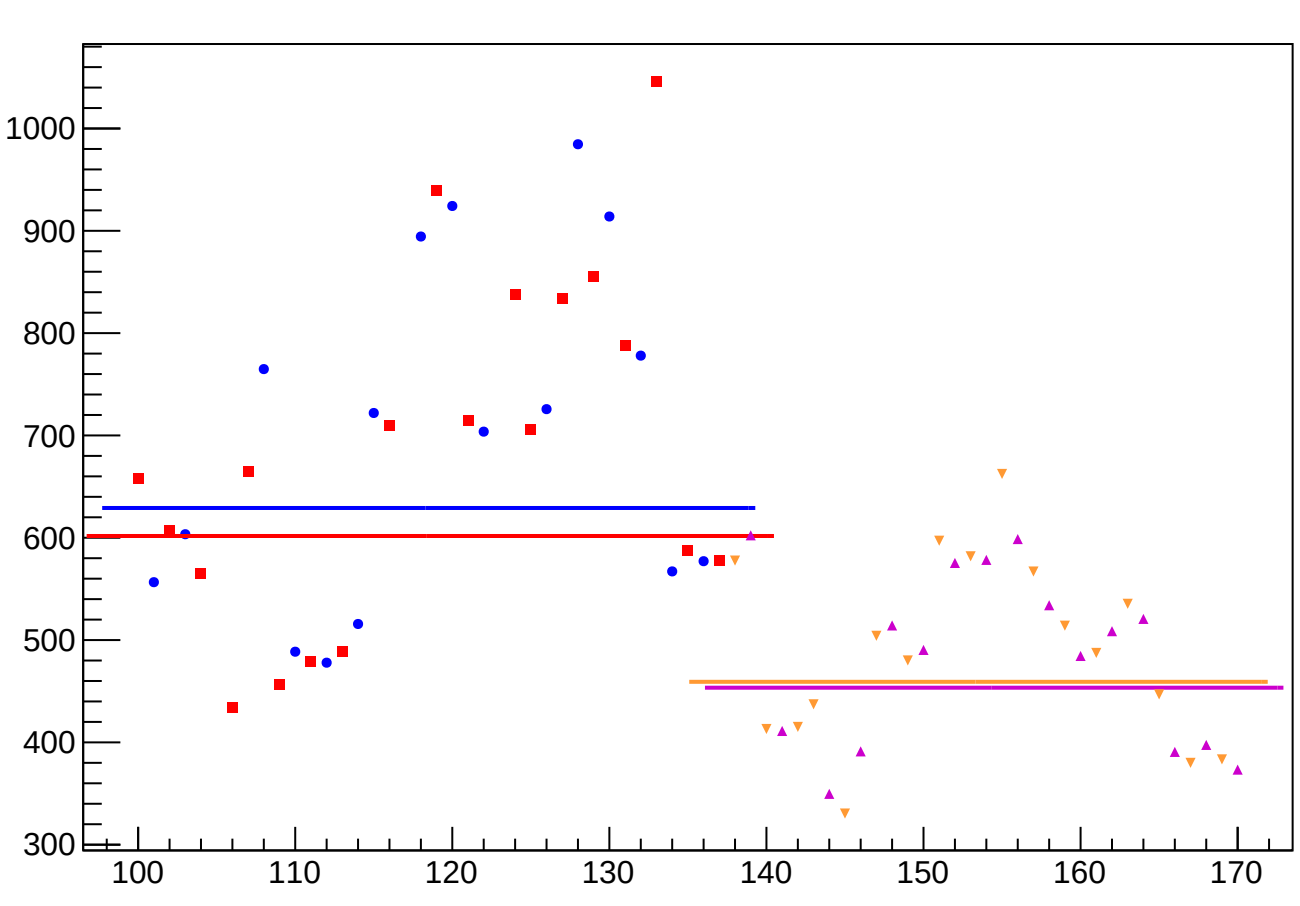
Left: 394.866+/-90.162 χ^2/NDF: 68.3/32

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 66.813+/-112.464 χ^2/NDF:35.4/31

Out: 460.068+/-111.632 χ^2/NDF:76.2/35

All: 264.900+/-79.228 χ^2/NDF: 117.7/67



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 459.197+/-0.090 χ^2/NDF:927634.7/16

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 453.436+/-0.090 χ^2/NDF:833775.7/15

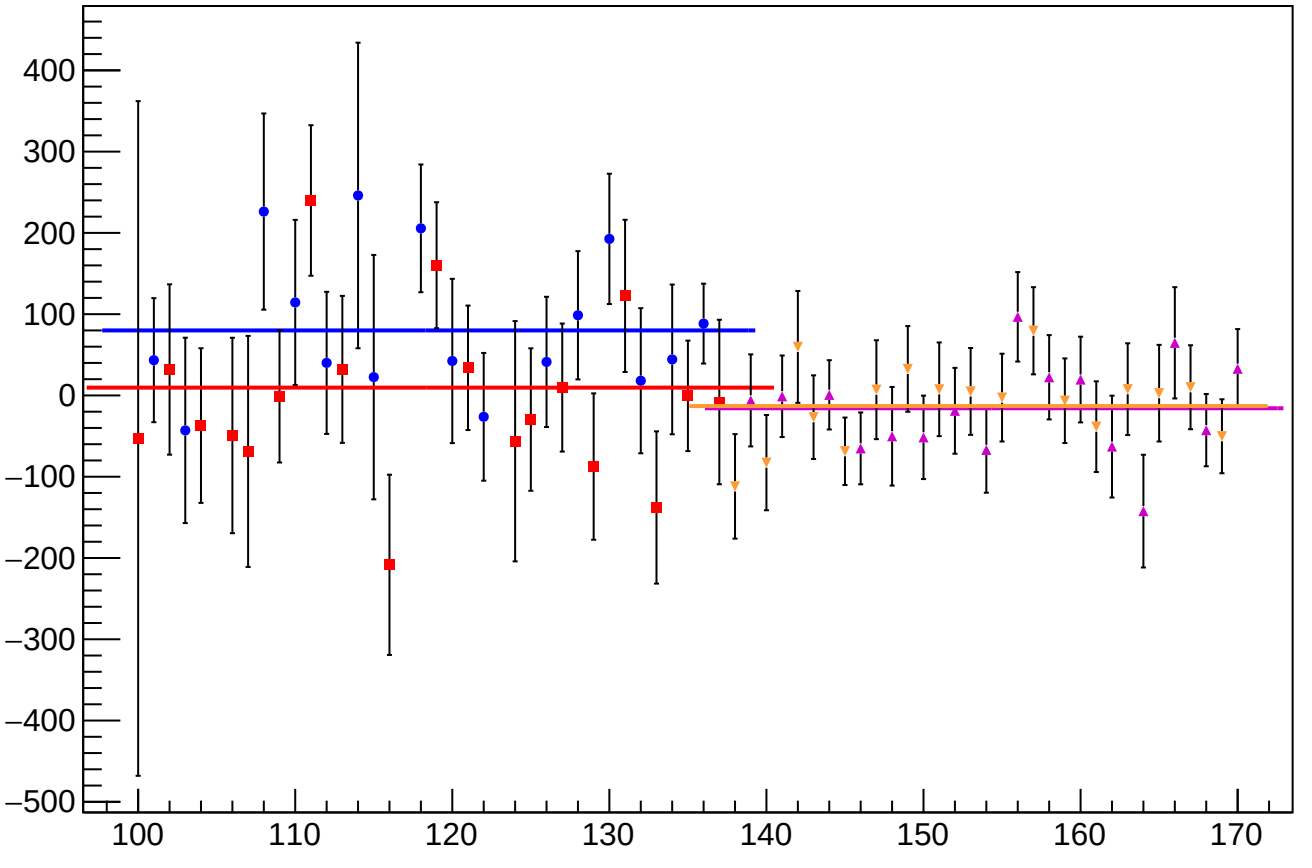
Left: 456.299+/-0.064 χ^2/NDF: 1763451.4/32

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 491.618+/-0.080 χ^2/NDF:2356549.4/31

Out: 493.138+/-0.079 χ^2/NDF:2393153.3/35

All: 492.384+/-0.056 χ^2/NDF: 4749886.7/67



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.080+/-13.109 χ^2/NDF:12.2/16

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.786+/-13.127 χ^2/NDF:15.1/15

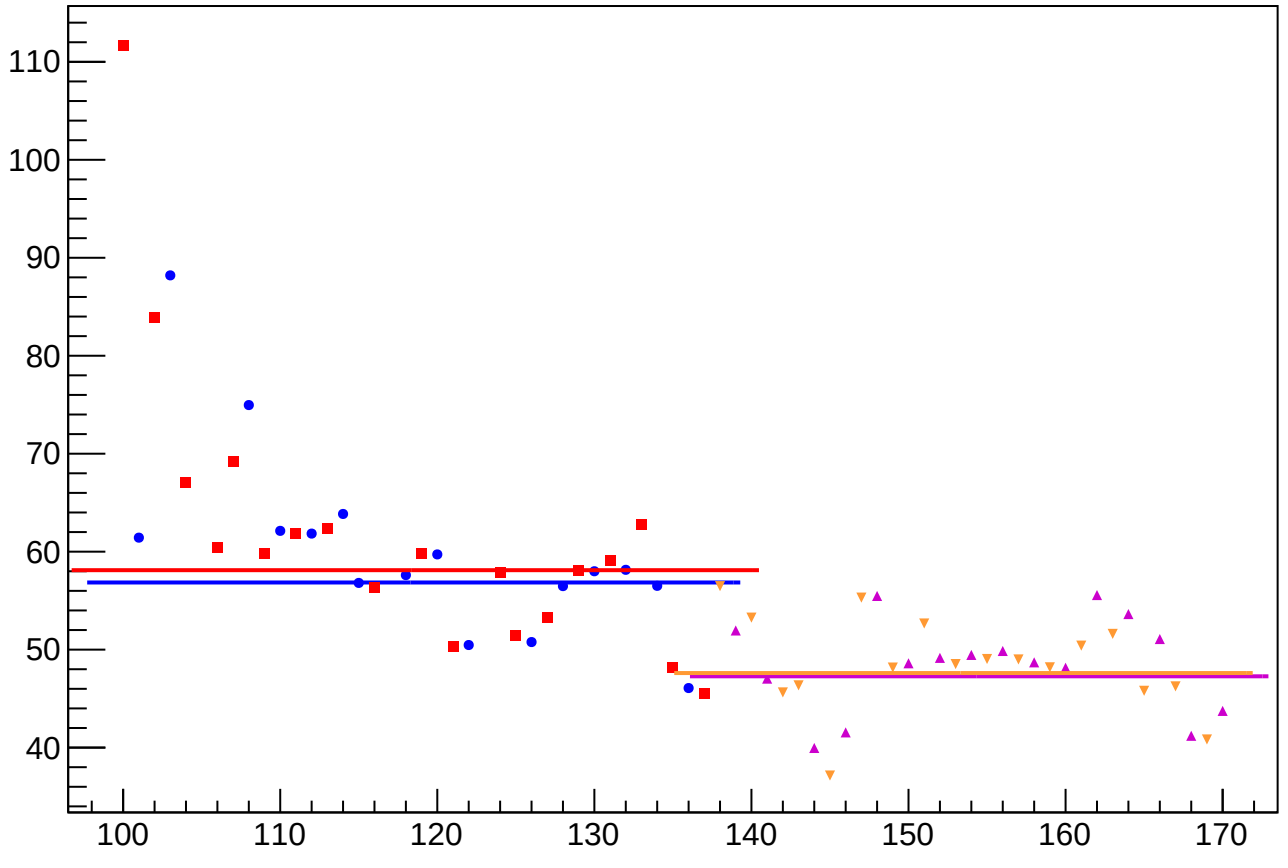
Left: -14.431+/-9.276 χ^2/NDF: 27.3/32

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 10.270+/-11.200 χ^2/NDF:41.1/31

Out: -6.983+/-11.211 χ^2/NDF:33.4/35

All: 1.652+/-7.923 χ^2/NDF: 75.7/67



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.610+/-0.009 χ^2/NDF:300623.8/16

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

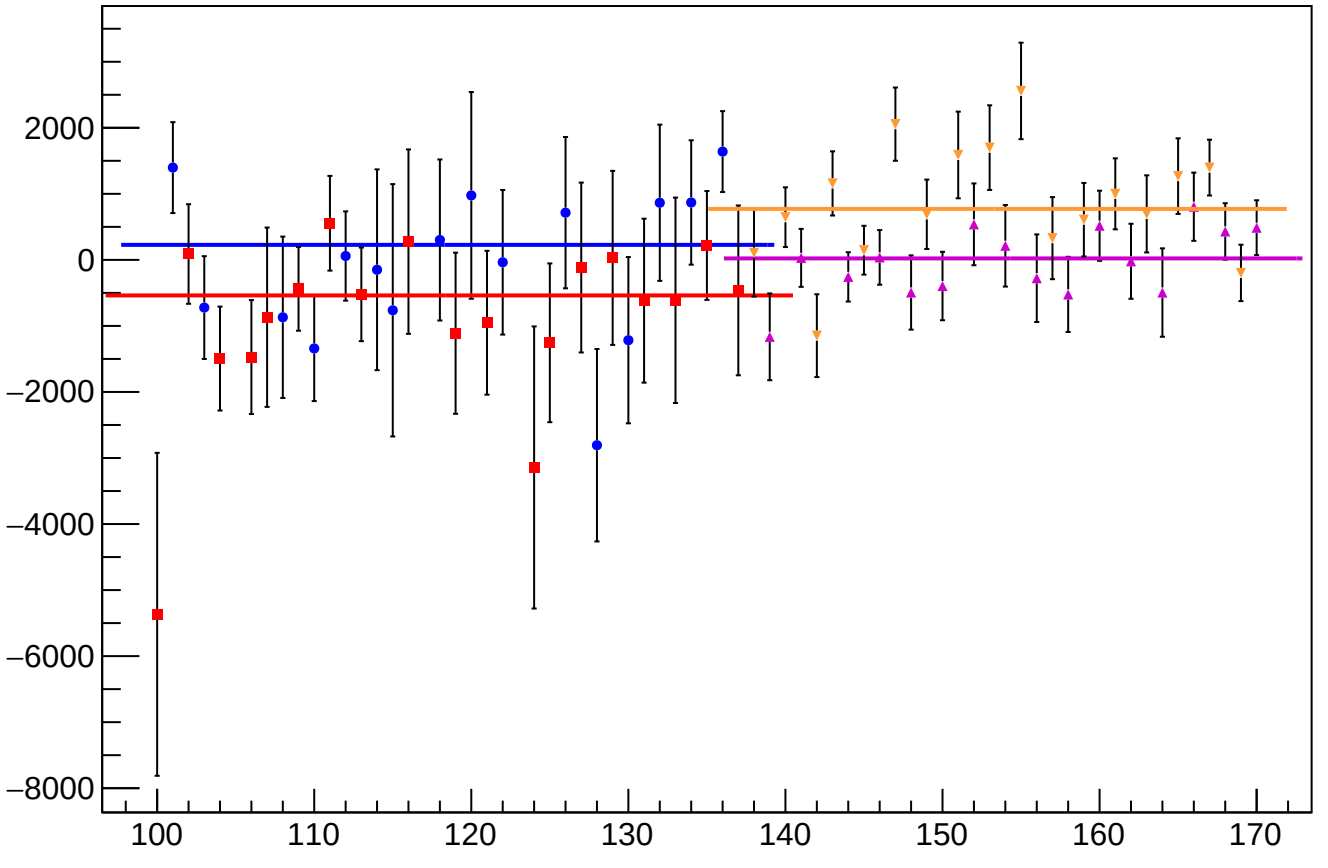
Left: 47.444+/-0.007 χ^2/NDF: 563445.3/32

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.882+/-0.008 χ^2/NDF:893364.4/31

Out: 50.430+/-0.008 χ^2/NDF:958295.0/35

All: 50.156+/-0.006 χ^2/NDF: 1854051.2/67



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 772.085+/-127.895 χ^2/NDF:37.9/16

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 22.174+/-127.125 χ^2/NDF:13.2/15

Left: 394.866+/-90.162 χ^2/NDF: 68.3/32

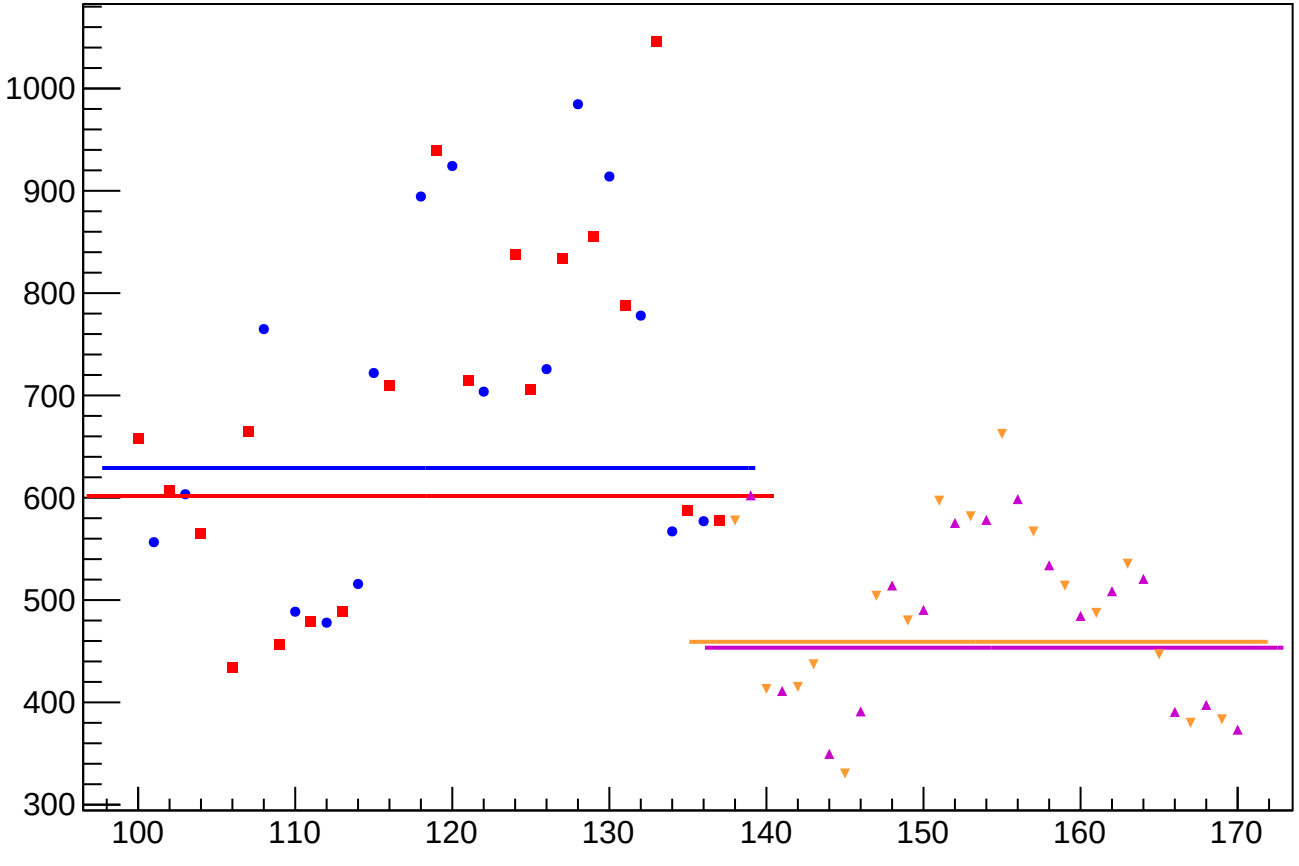
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 66.813+/-112.464 χ^2/NDF:35.4/31

Out: 460.068+/-111.632 χ^2/NDF:76.2/35

All: 264.900+/-79.228 χ^2/NDF: 117.7/67

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 459.197+/-0.090 χ^2/NDF:927634.7/16

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 453.436+/-0.090 χ^2/NDF:833775.7/15

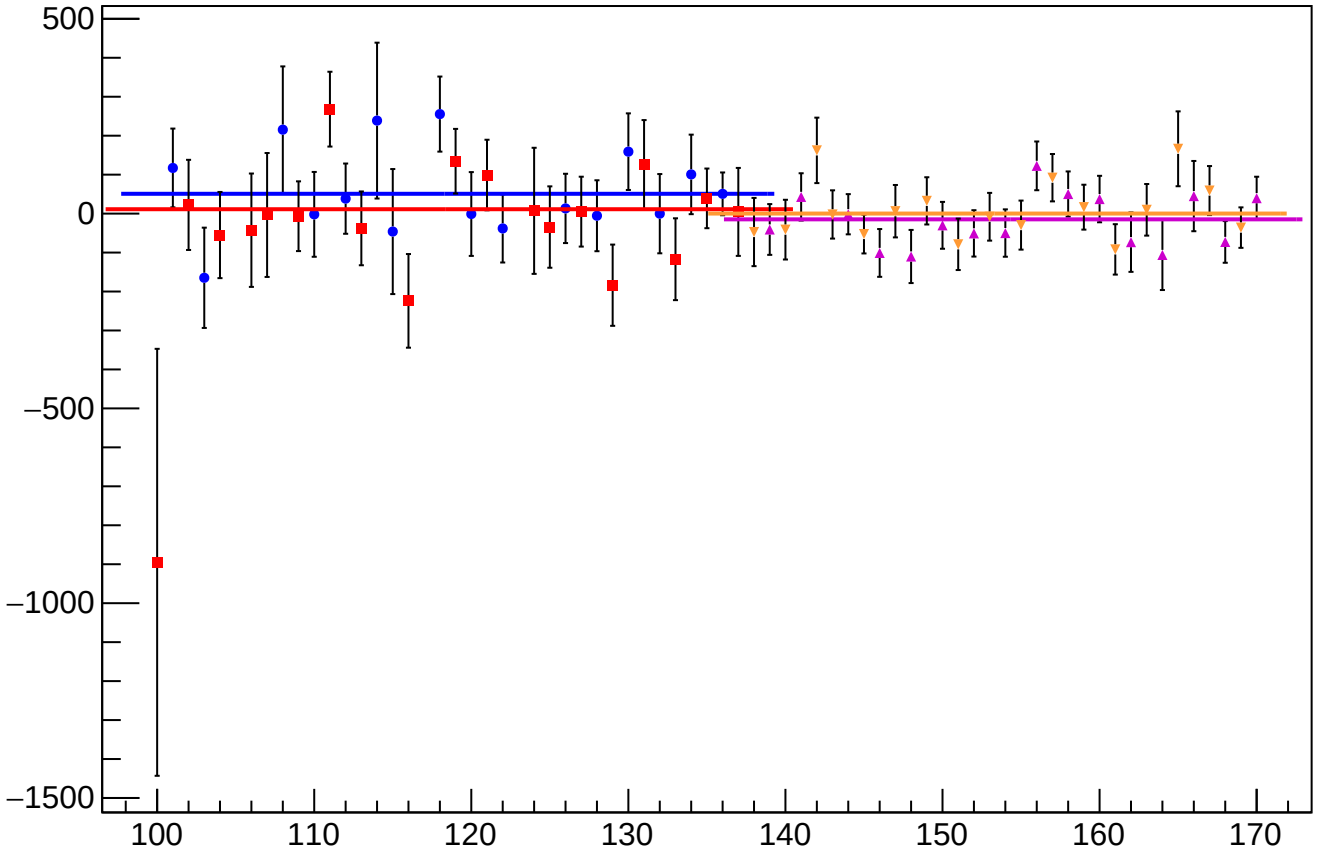
Left: 456.299+/-0.064 χ^2/NDF: 1763451.4/32

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 491.618+/-0.080 χ^2/NDF:2356549.4/31

Out: 493.138+/-0.079 χ^2/NDF:2393153.3/35

All: 492.384+/-0.056 χ^2/NDF: 4749886.7/67



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 0.120+/-15.583 χ^2/NDF:16.2/16

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.742+/-15.570 χ^2/NDF:16.9/15

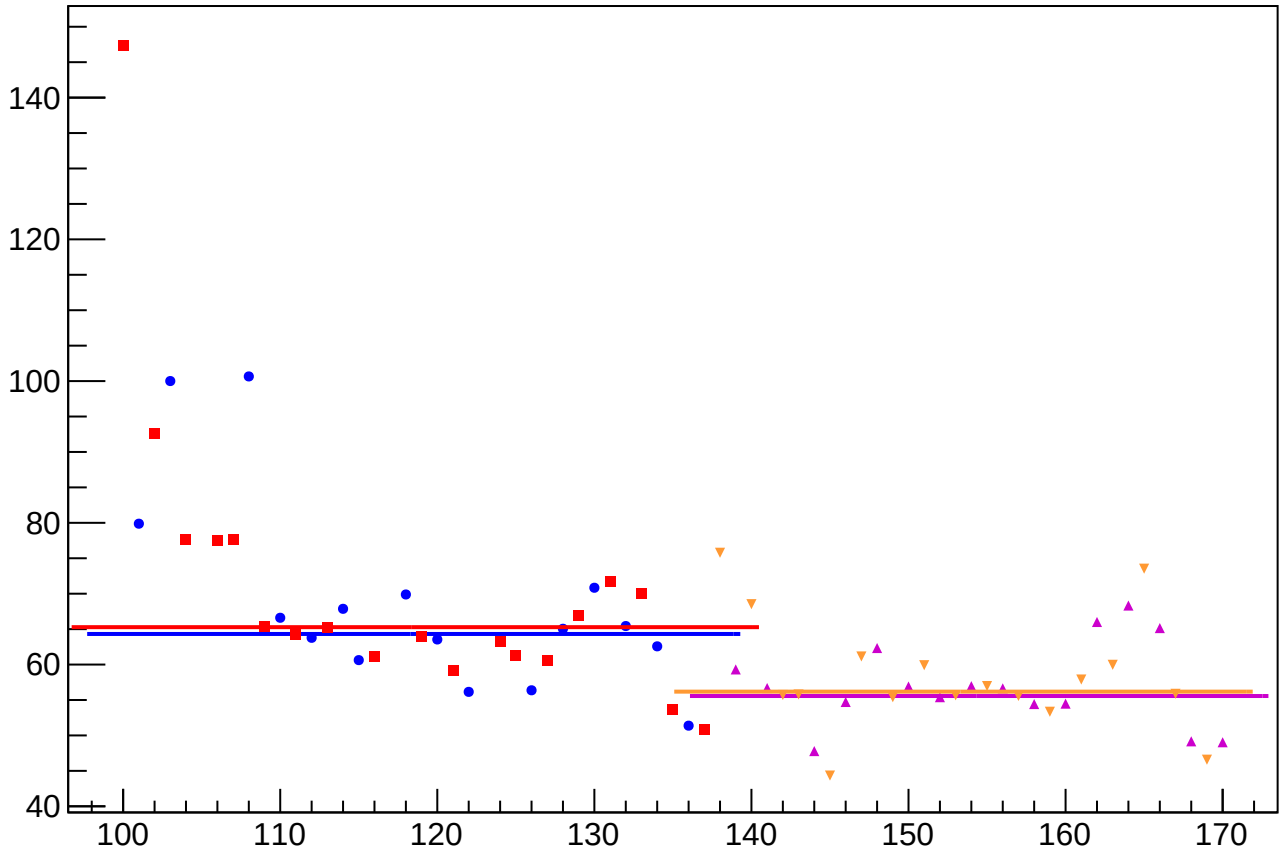
Left: -7.318+/-11.014 χ^2/NDF: 33.5/32

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 4.139+/-13.140 χ^2/NDF:35.8/31

Out: 3.362+/-13.122 χ^2/NDF:40.3/35

All: 3.750+/-9.285 χ^2/NDF: 76.1/67



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.180+/-0.011 χ^2/NDF:429849.4/16

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.562+/-0.011 χ^2/NDF:233817.1/15

Left: 55.871+/-0.008 χ^2/NDF: 665241.9/32

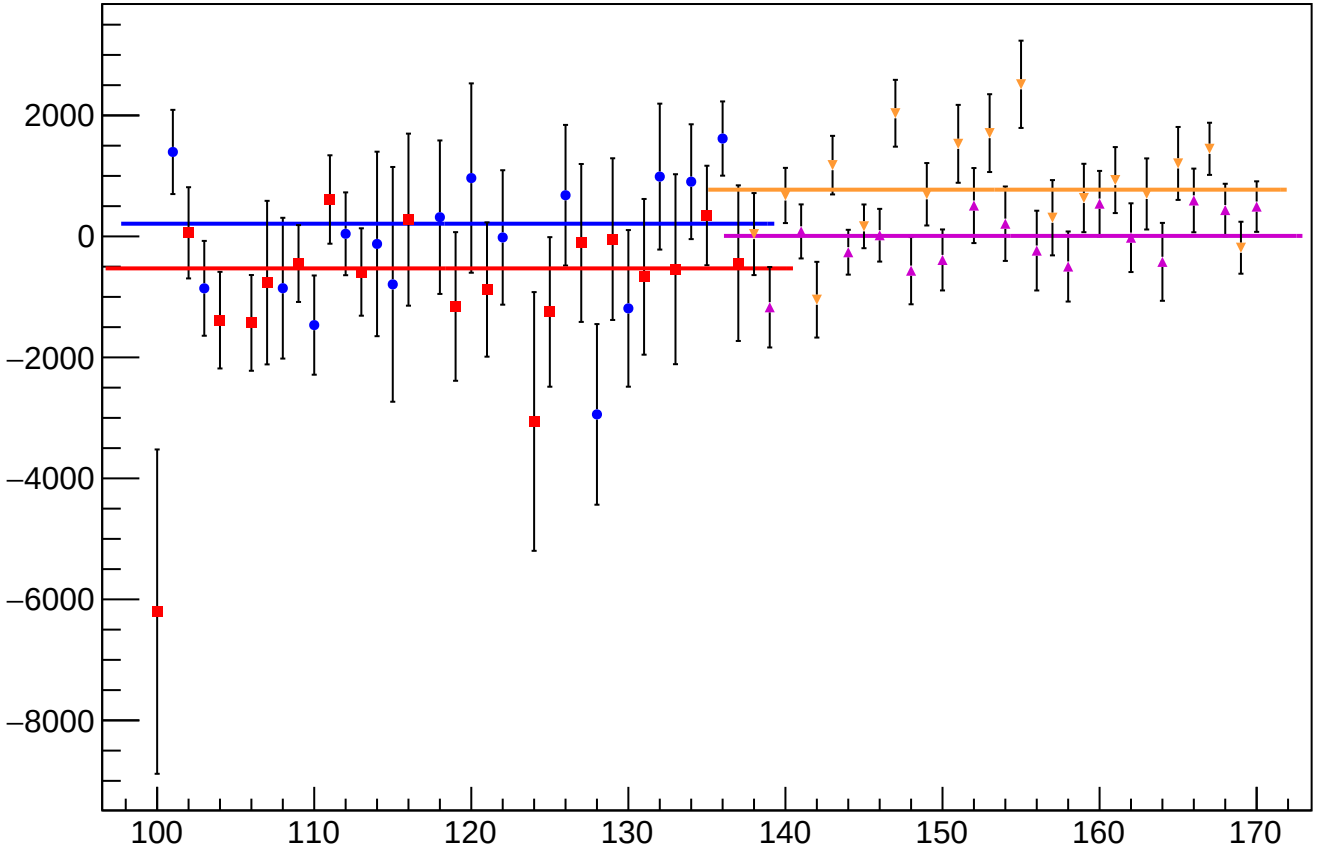
Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.082+/-0.009 χ^2/NDF:880771.6/31

Out: 58.827+/-0.009 χ^2/NDF:947328.0/35

All: 58.455+/-0.007 χ^2/NDF: 1831324.9/67

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 772.643+/-128.292 χ^2/NDF:36.4/16

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 8.356+/-127.948 χ^2/NDF:12.0/15

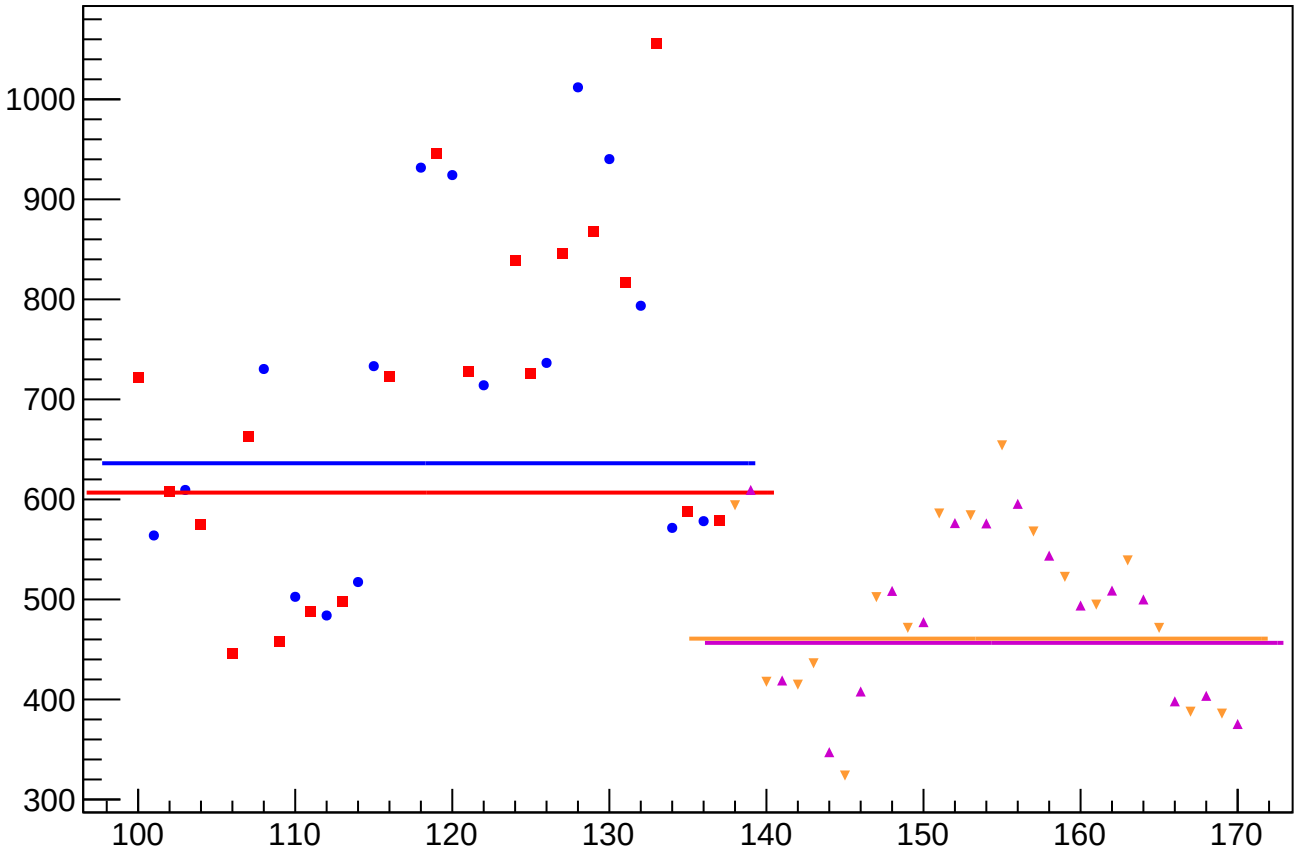
Left: 389.473+/-90.594 χ^2/NDF: 66.3/32

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 51.905+/-113.294 χ^2/NDF:35.0/31

Out: 463.180+/-112.004 χ^2/NDF:74.7/35

All: 259.897+/-79.651 χ^2/NDF: 116.4/67



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 460.810+/-0.091 χ^2/NDF:948097.6/16

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 456.583+/-0.090 χ^2/NDF:789194.2/15

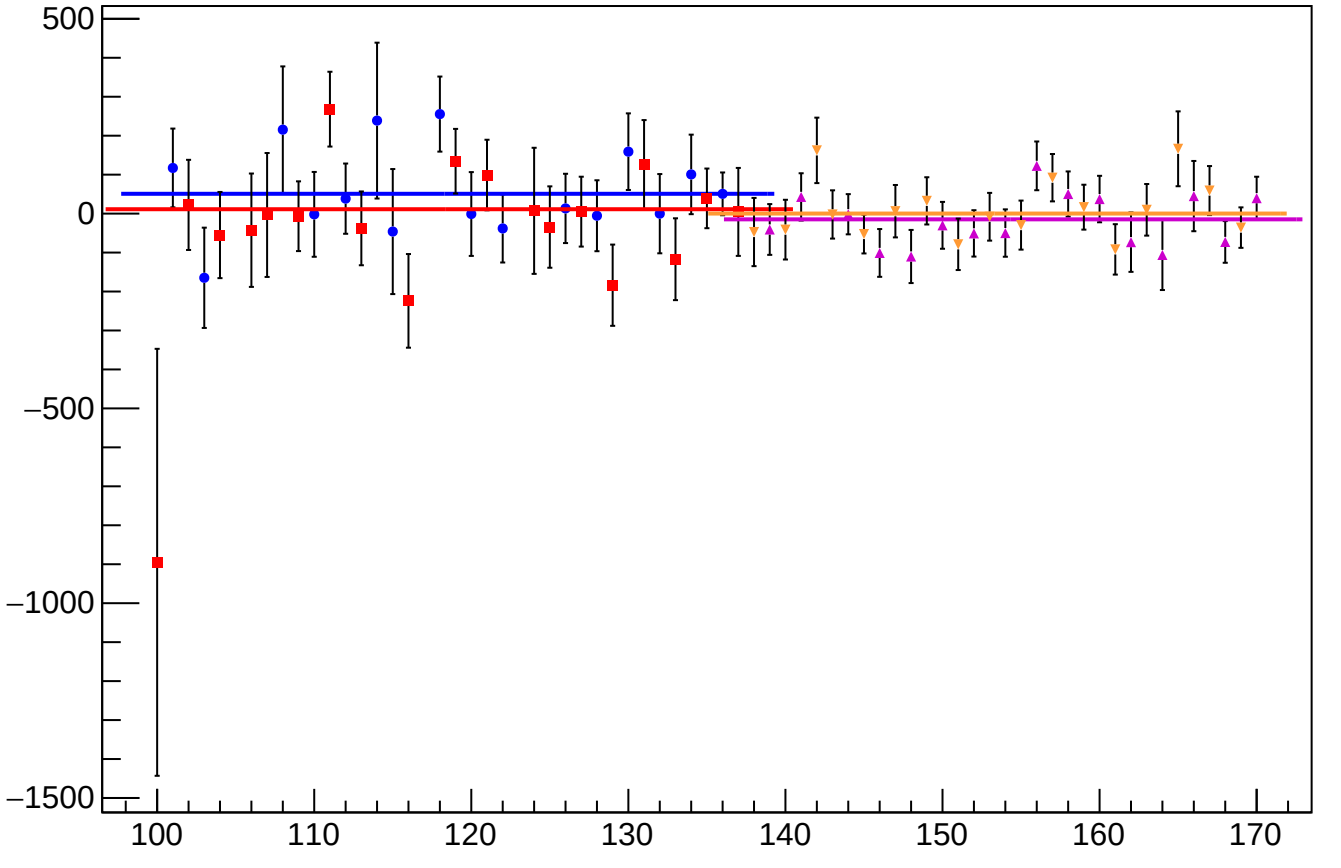
Left: 458.691+/-0.064 χ^2/NDF: 1738380.7/32

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 495.359+/-0.080 χ^2/NDF:2345065.4/31

Out: 495.528+/-0.079 χ^2/NDF:2457884.6/35

All: 495.445+/-0.056 χ^2/NDF: 4802952.2/67



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 0.119+/-15.583 χ^2/NDF:16.2/16

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -14.742+/-15.570 χ^2/NDF:16.9/15

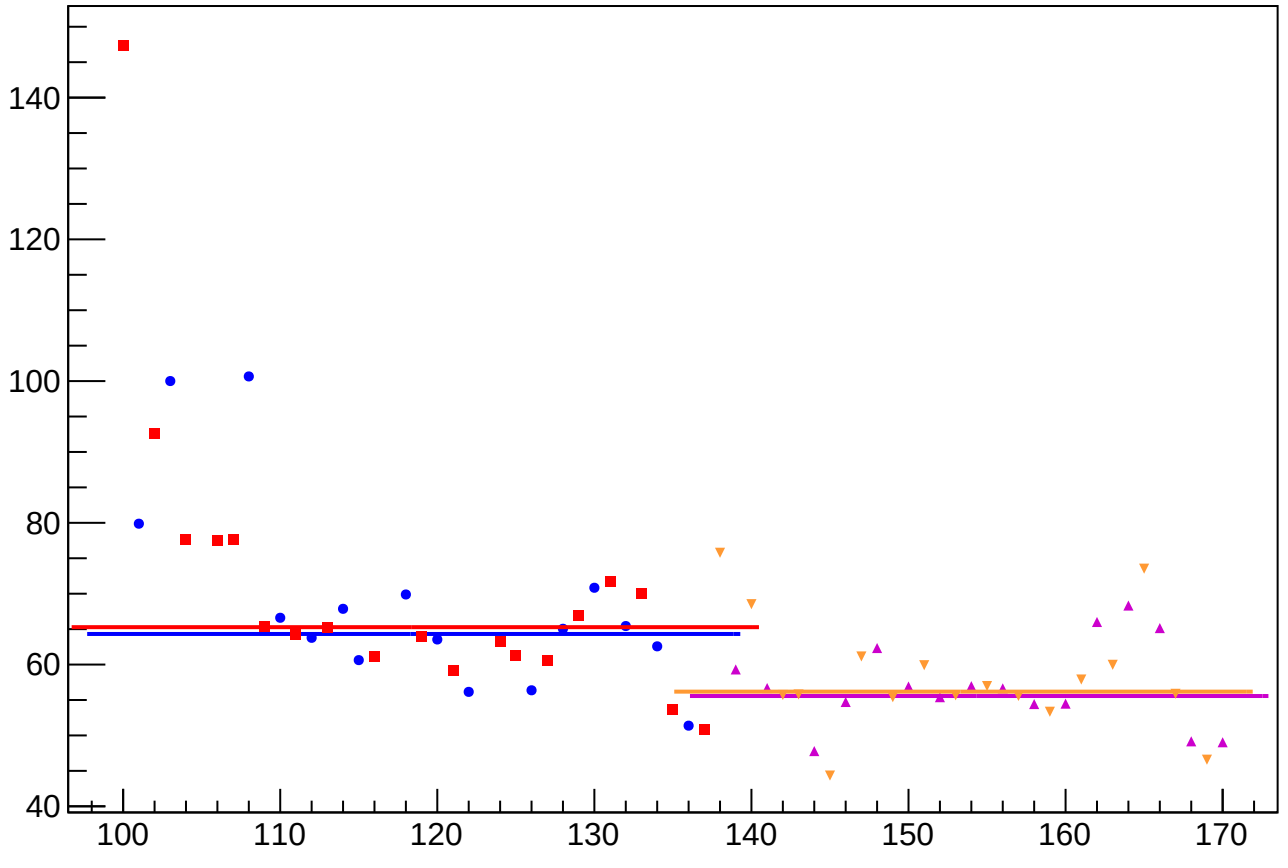
Left: -7.318+/-11.014 χ^2/NDF: 33.5/32

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 4.138+/-13.140 χ^2/NDF:35.8/31

Out: 3.361+/-13.122 χ^2/NDF:40.3/35

All: 3.749+/-9.285 χ^2/NDF: 76.1/67



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.180+/-0.011 χ^2/NDF:429839.2/16

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.562+/-0.011 χ^2/NDF:233816.1/15

Left: 55.871+/-0.008 χ^2/NDF: 665230.9/32

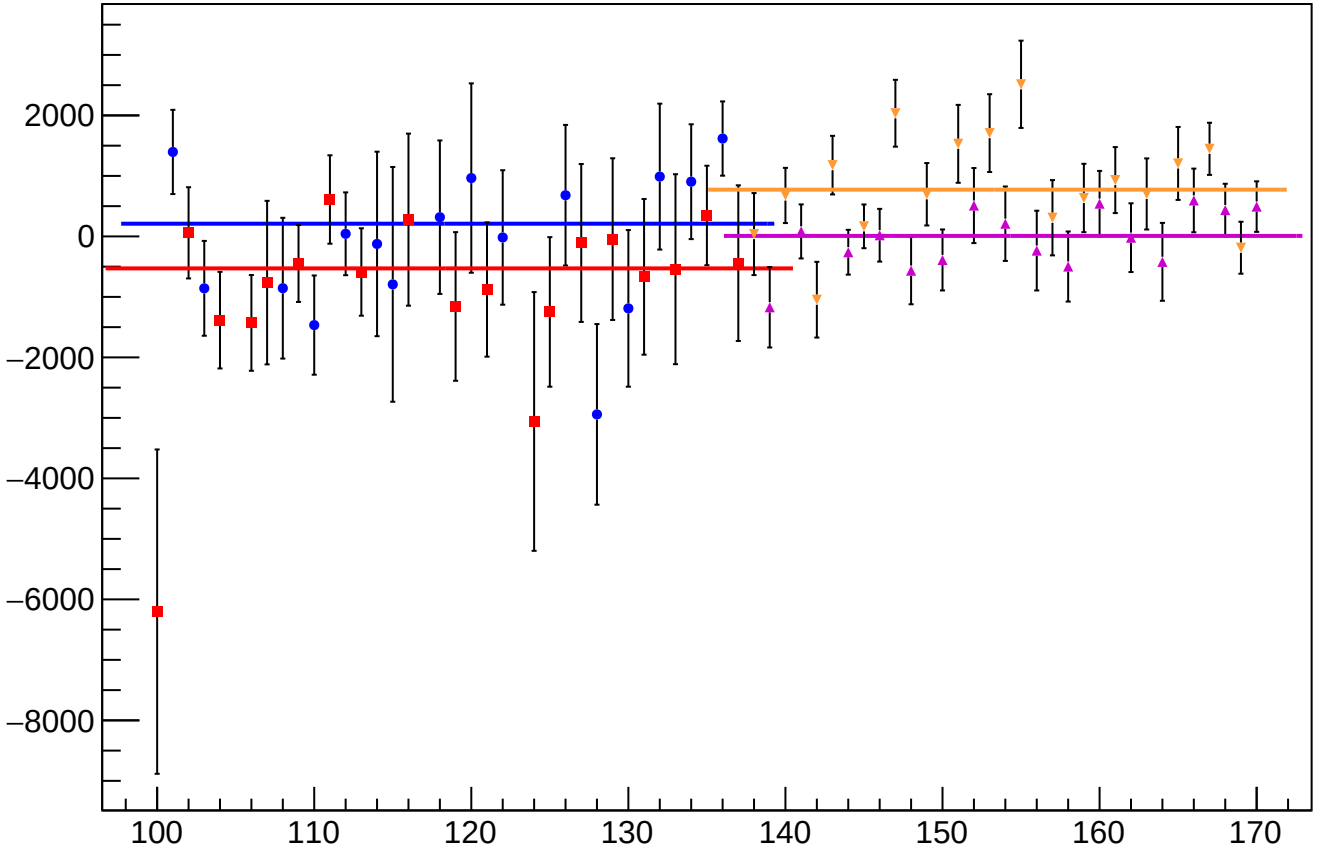
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.082+/-0.009 χ^2/NDF:880762.3/31

Out: 58.828+/-0.009 χ^2/NDF:947309.8/35

All: 58.455+/-0.007 χ^2/NDF: 1831297.6/67

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: 772.641+/-128.292 χ^2/NDF:36.4/16

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 8.357+/-127.948 χ^2/NDF:12.0/15

Left: 389.472+/-90.594 χ^2/NDF: 66.3/32

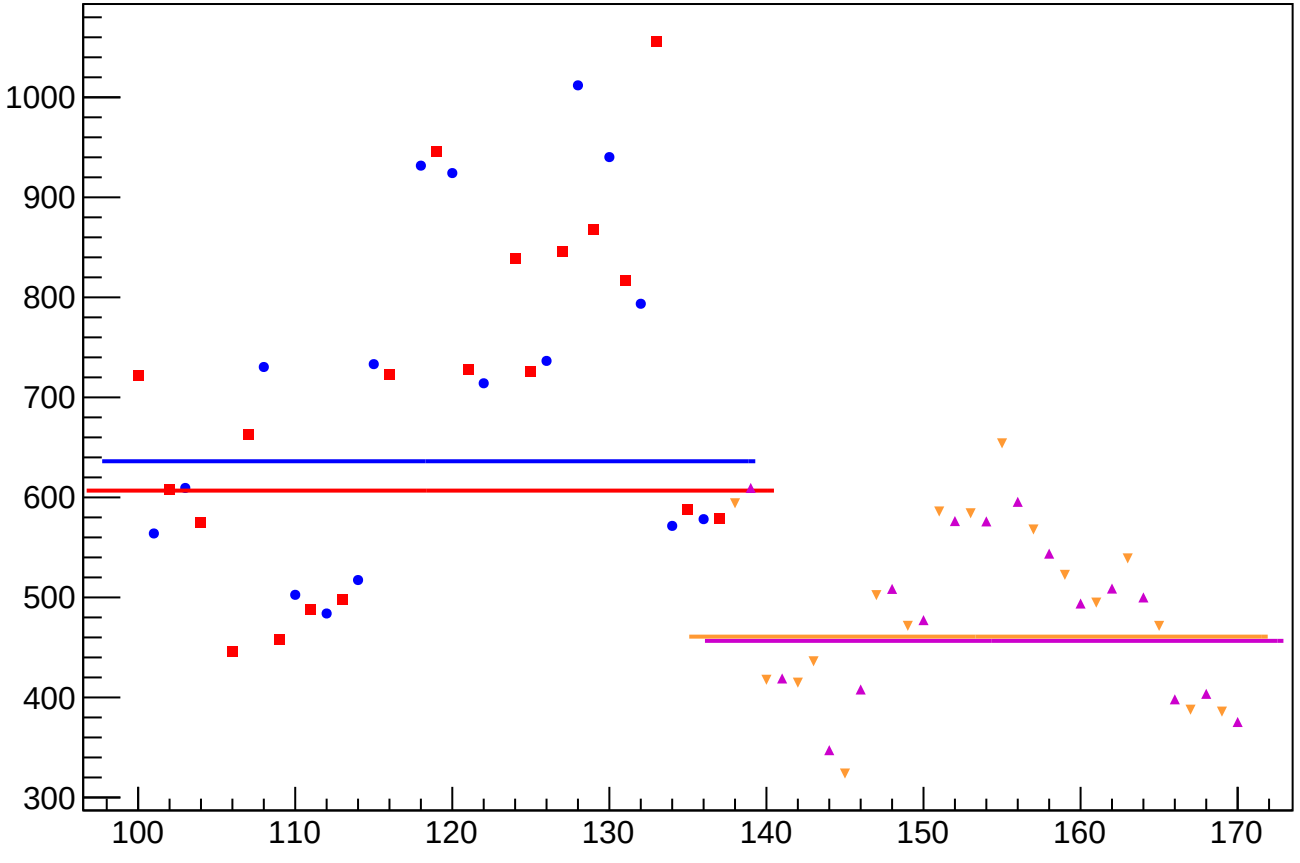
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 51.905+/-113.294 χ^2/NDF:35.0/31

Out: 463.179+/-112.004 χ^2/NDF:74.7/35

All: 259.897+/-79.651 χ^2/NDF: 116.4/67

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: 460.809+/-0.091 χ^2/NDF:948109.7/16

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 456.581+/-0.090 χ^2/NDF:789200.4/15

Left: 458.690+/-0.064 χ^2/NDF: 1738398.9/32

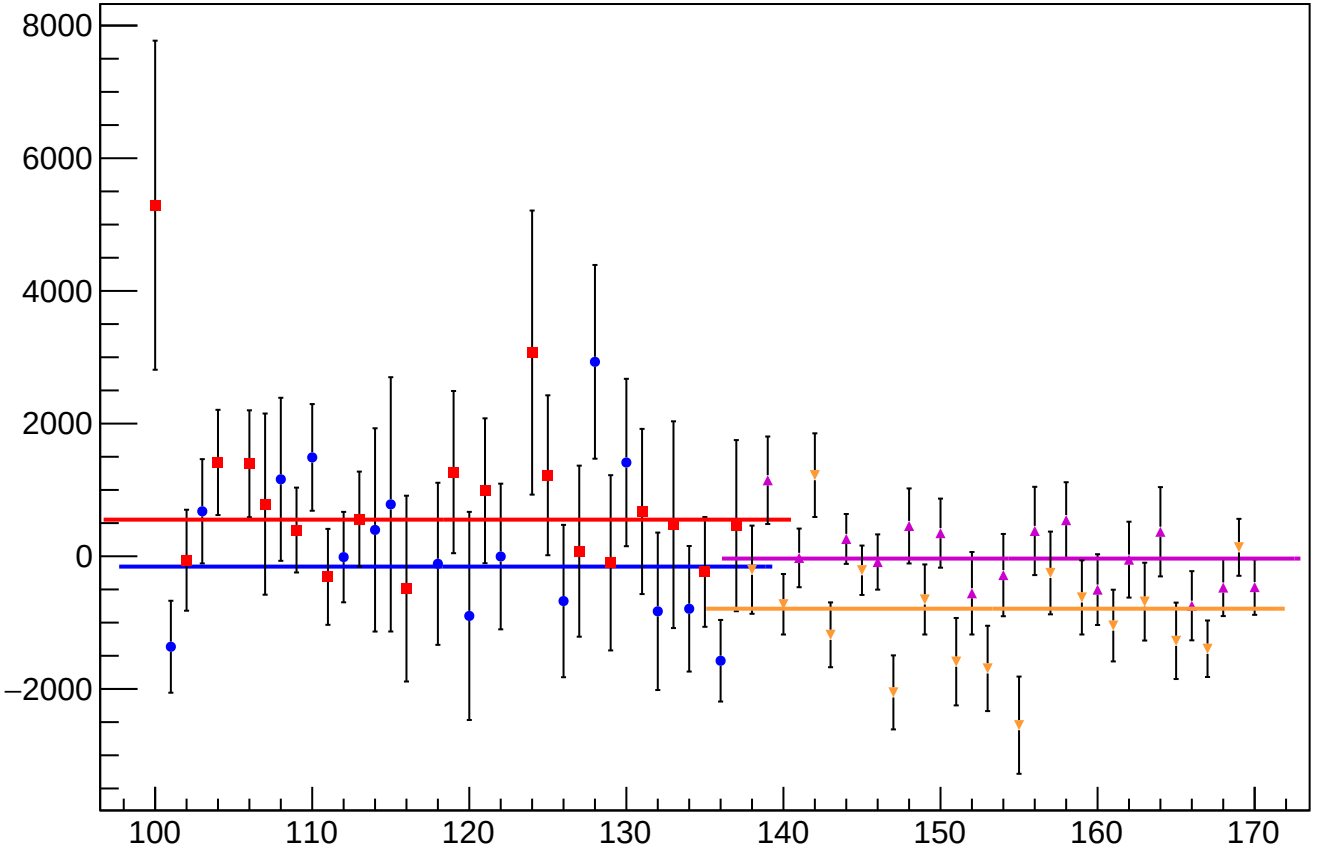
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 495.358+/-0.080 χ^2/NDF:2345080.0/31

Out: 495.527+/-0.079 χ^2/NDF:2457904.1/35

All: 495.443+/-0.056 χ^2/NDF: 4802986.4/67

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -790.062+/-128.633 χ^2/NDF:36.9/16

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: -34.675+/-127.869 χ^2/NDF:12.5/15

Left: -410.117+/-90.686 χ^2/NDF: 66.7/32

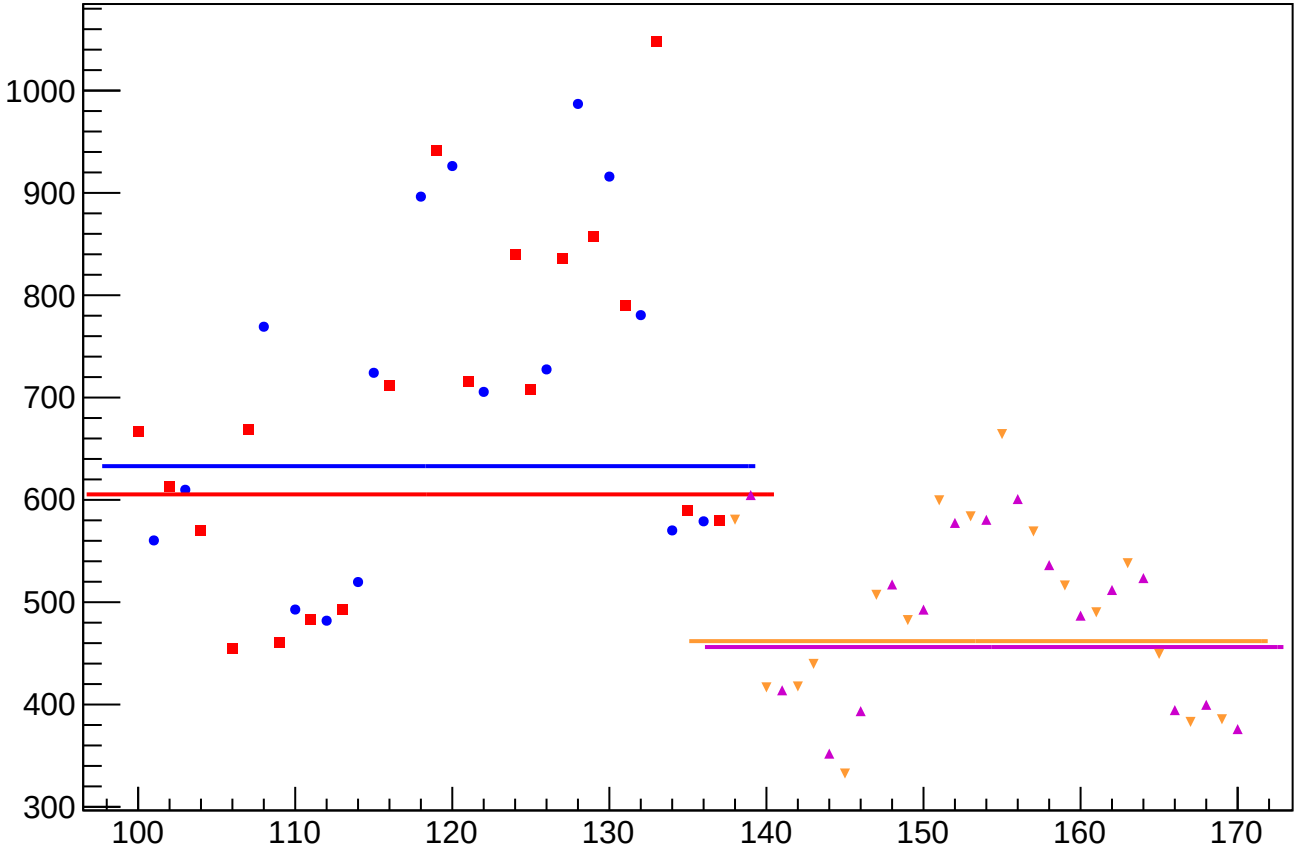
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -60.977+/-113.117 χ^2/NDF:35.2/31

Out: -467.894+/-112.138 χ^2/NDF:75.1/35

All: -266.204+/-79.638 χ^2/NDF: 116.8/67

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 461.955+/-0.091 χ^2/NDF:917140.8/16

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 456.188+/-0.090 χ^2/NDF:823703.4/15

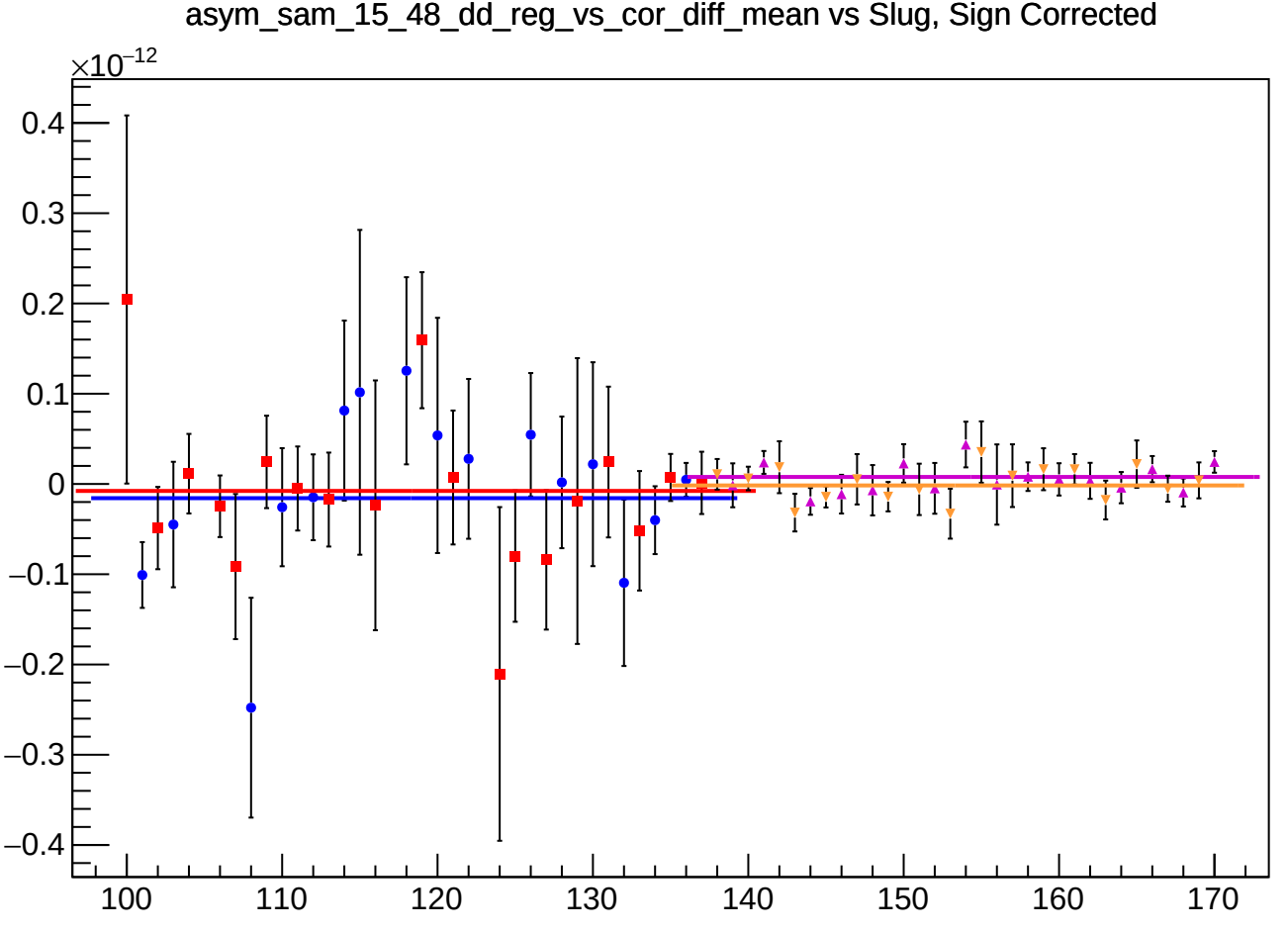
Left: 459.054+/-0.064 χ^2/NDF: 1742866.8/32

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 494.622+/-0.080 χ^2/NDF:2335946.9/31

Out: 496.379+/-0.079 χ^2/NDF:2367872.1/35

All: 495.508+/-0.056 χ^2/NDF: 4704062.3/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/15

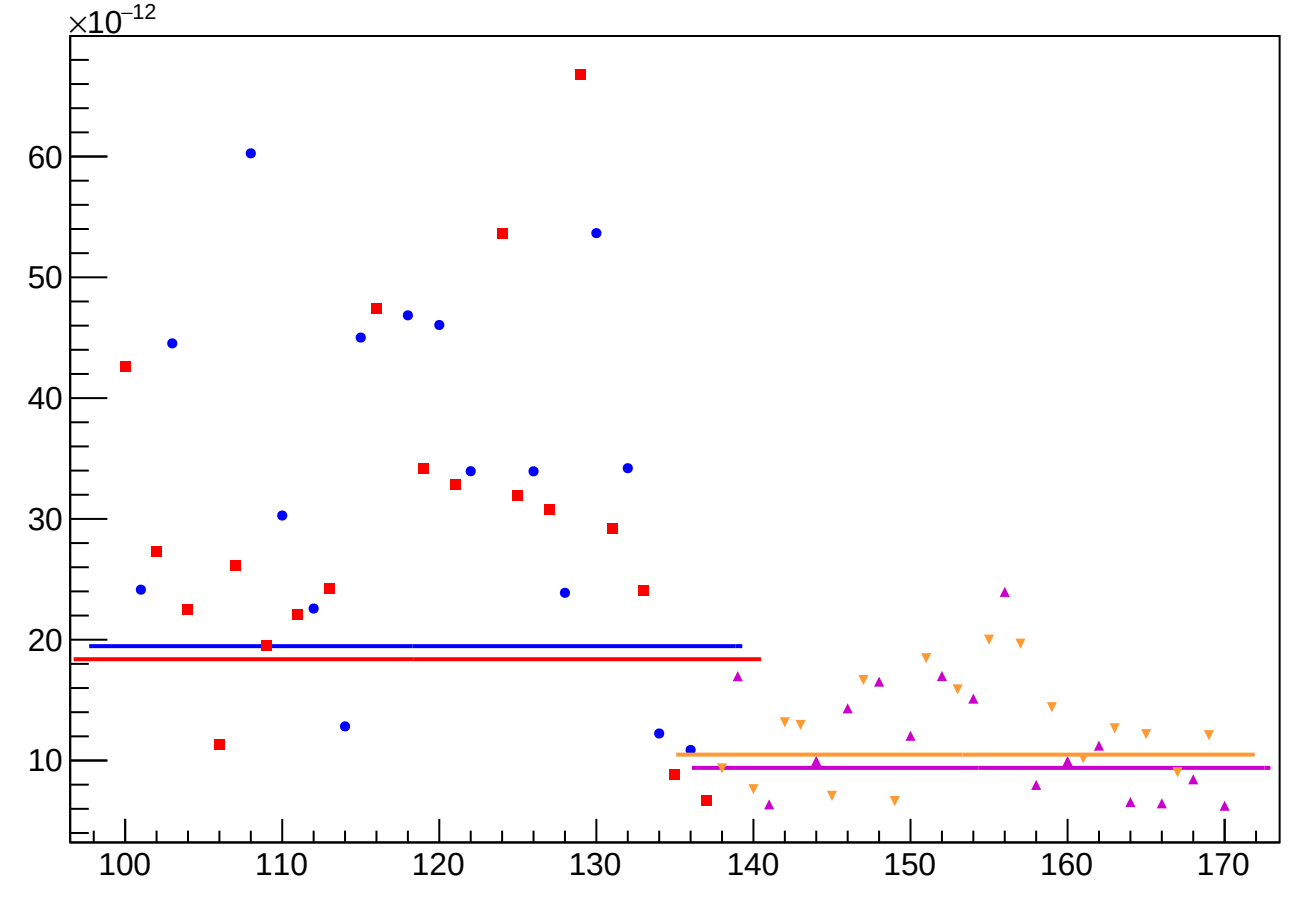
Left: 0.000+/-0.000 χ^2/NDF: 26.2/32

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: -0.000+/-0.000 χ^2/NDF:24.3/35

All: 0.000+/-0.000 χ^2/NDF: 58.8/67



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1178305.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1358004.2/15

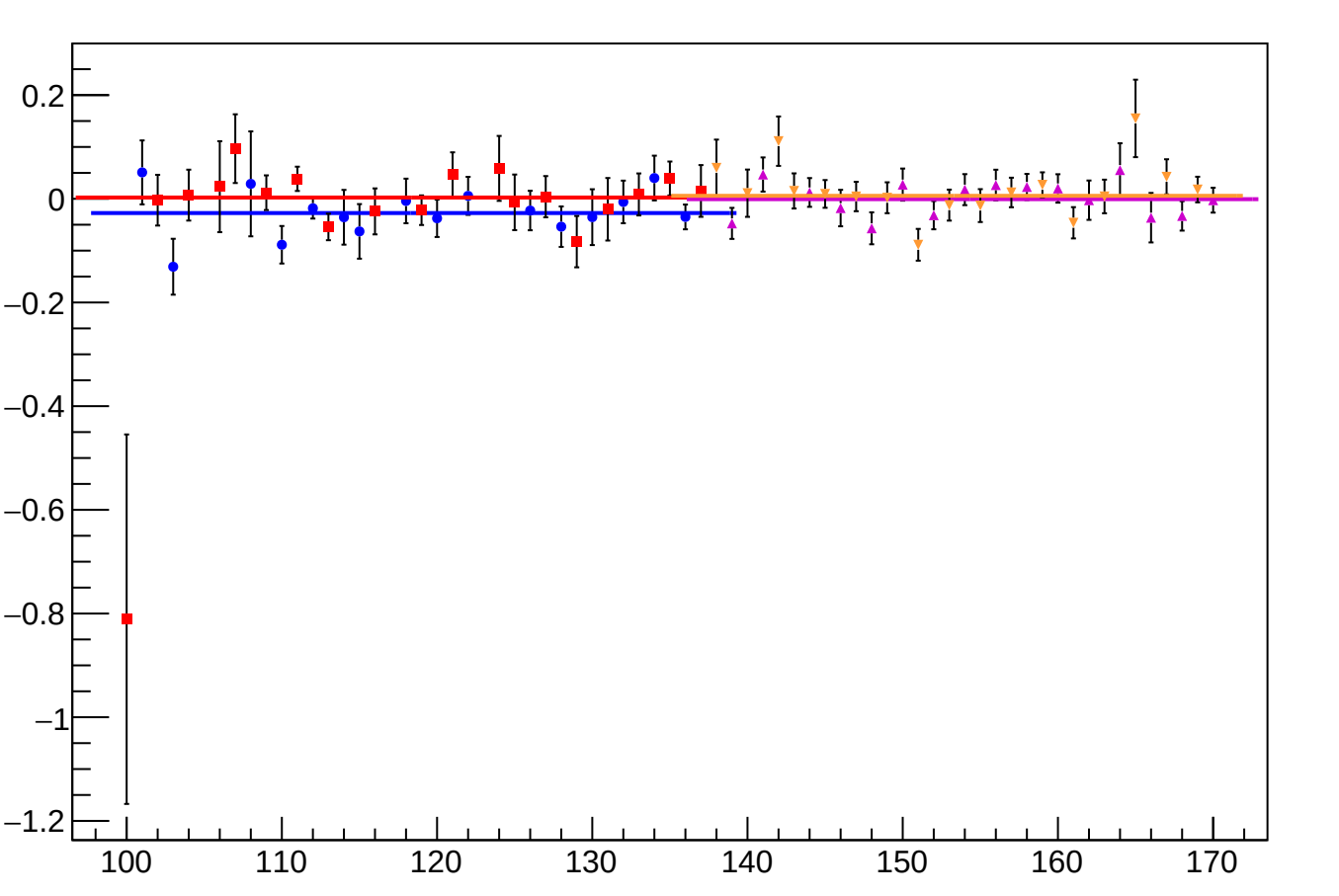
Left: 0.000+/-0.000 χ^2/NDF: 2594101.7/32

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4229248.1/31

Out: 0.000+/-0.000 χ^2/NDF:3358103.4/35

All: 0.000+/-0.000 χ^2/NDF: 7641430.7/67



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.006+/-0.008 χ^2/NDF:25.4/16

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/15

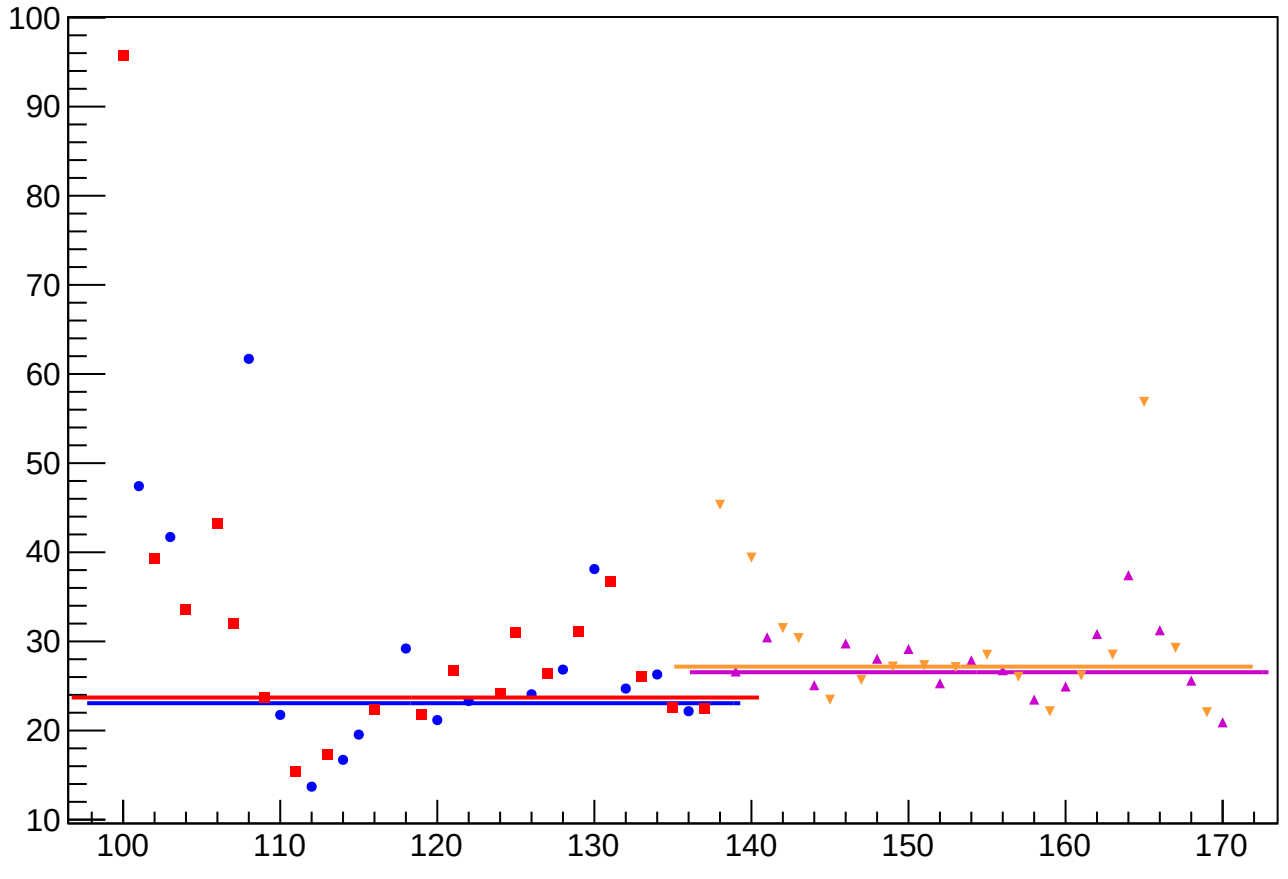
Left: 0.002+/-0.005 χ^2/NDF: 41.9/32

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.004+/-0.006 χ^2/NDF:47.6/35

All: -0.004+/-0.004 χ^2/NDF: 85.8/67



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.169+/-0.005 χ^2/NDF:952888.8/16

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.543+/-0.005 χ^2/NDF:360268.4/15

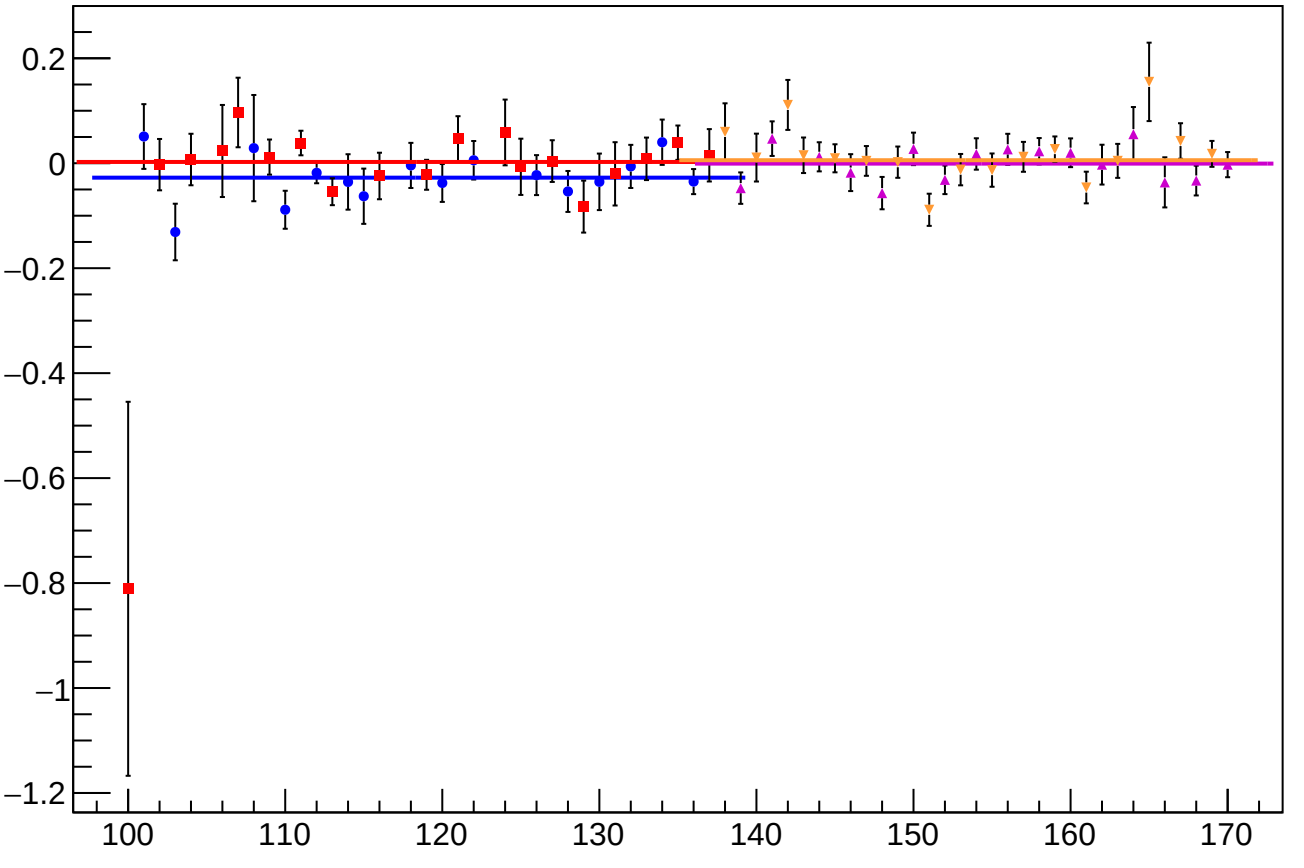
Left: 26.852+/-0.004 χ^2/NDF: 1319822.6/32

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.165+/-0.004 χ^2/NDF:2090175.1/31

Out: 25.753+/-0.004 χ^2/NDF:2206095.7/35

All: 25.458+/-0.003 χ^2/NDF: 4306137.0/67



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.006+/-0.008 χ^2/NDF:25.4/16

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/15

Left: 0.002+/-0.005 χ^2/NDF: 41.9/32

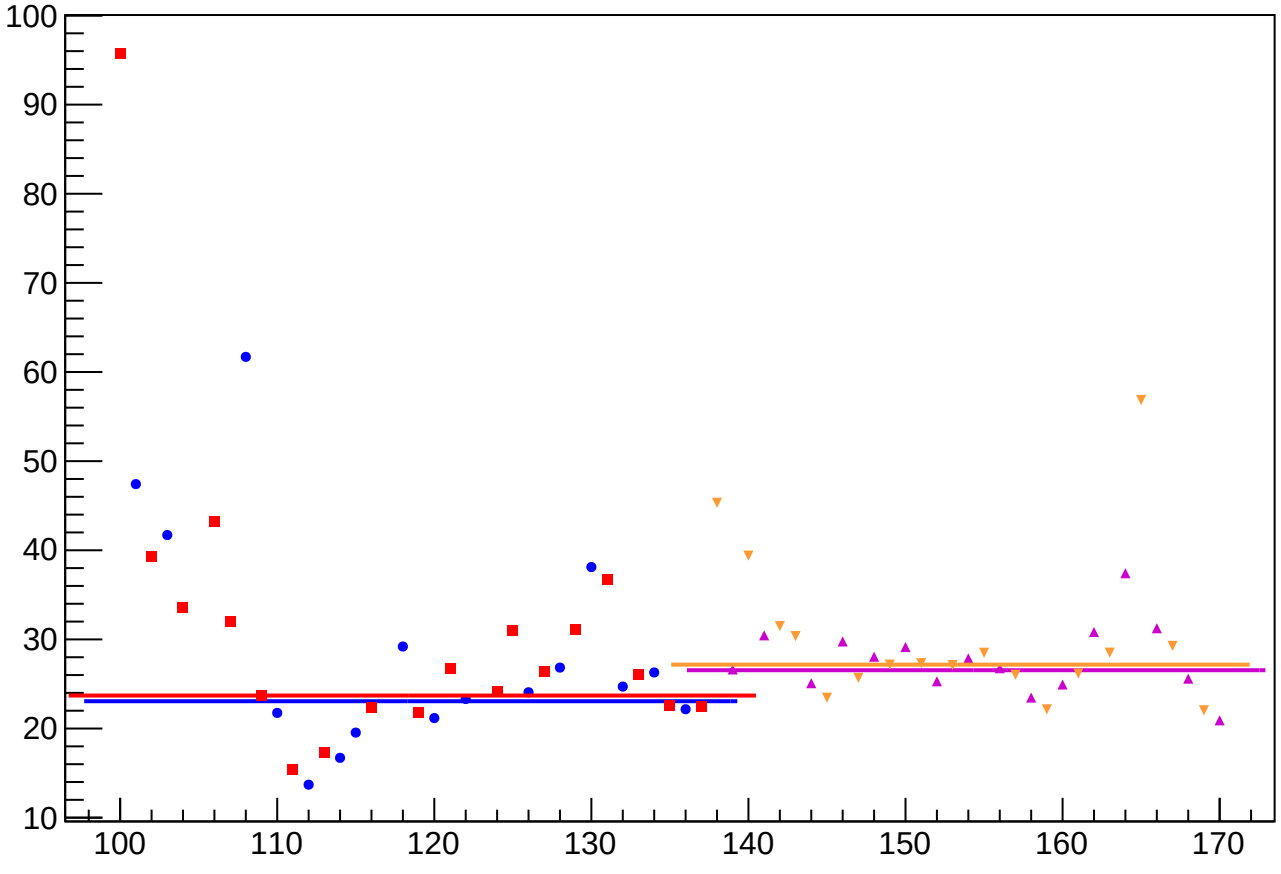
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.004+/-0.006 χ^2/NDF:47.6/35

All: -0.004+/-0.004 χ^2/NDF: 85.8/67

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.169+/-0.005 χ^2/NDF:952888.8/16

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.543+/-0.005 χ^2/NDF:360268.4/15

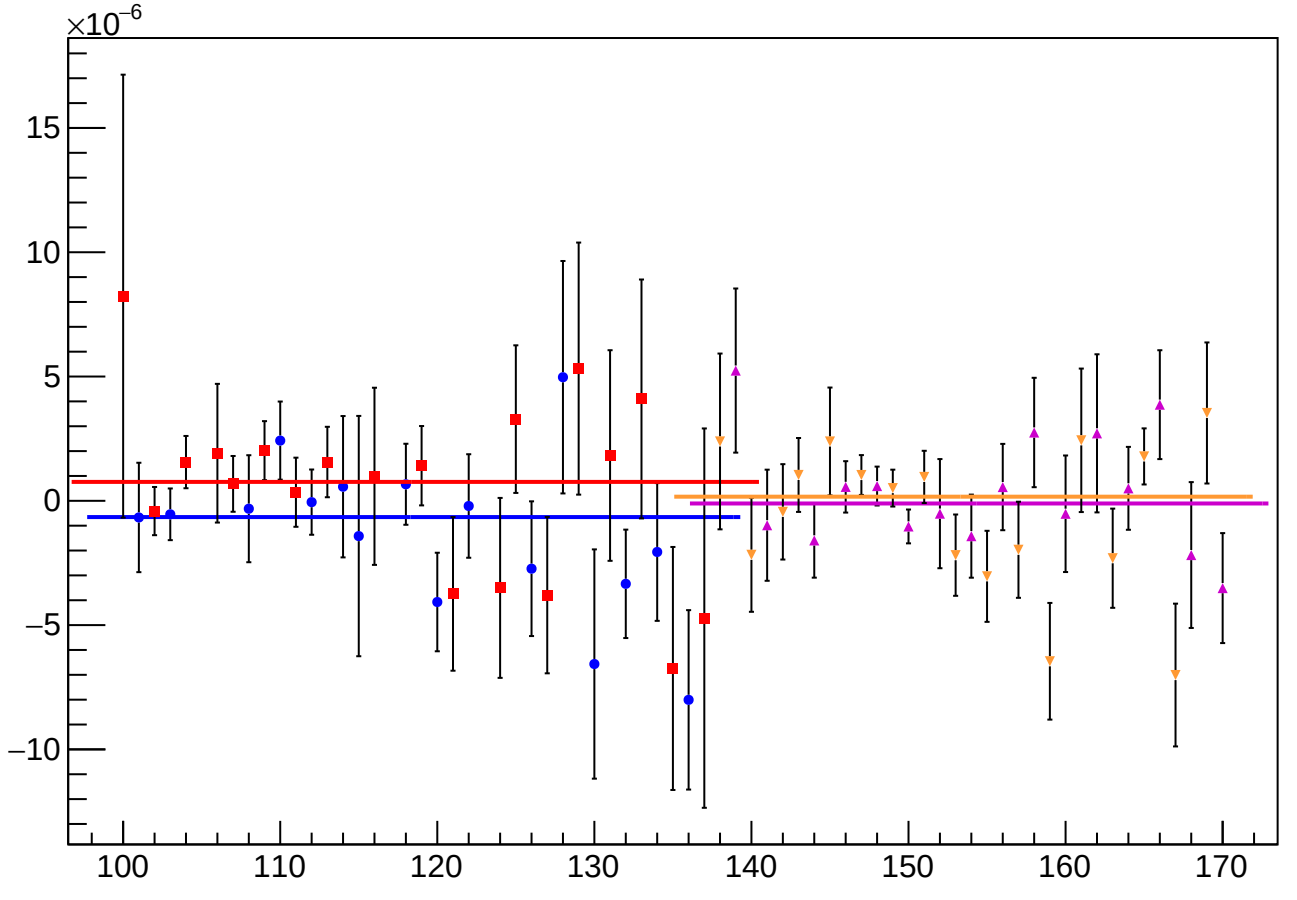
Left: 26.852+/-0.004 χ^2/NDF: 1319822.6/32

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.165+/-0.004 χ^2/NDF:2090175.1/31

Out: 25.753+/-0.004 χ^2/NDF:2206095.7/35

All: 25.458+/-0.003 χ^2/NDF: 4306137.0/67



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

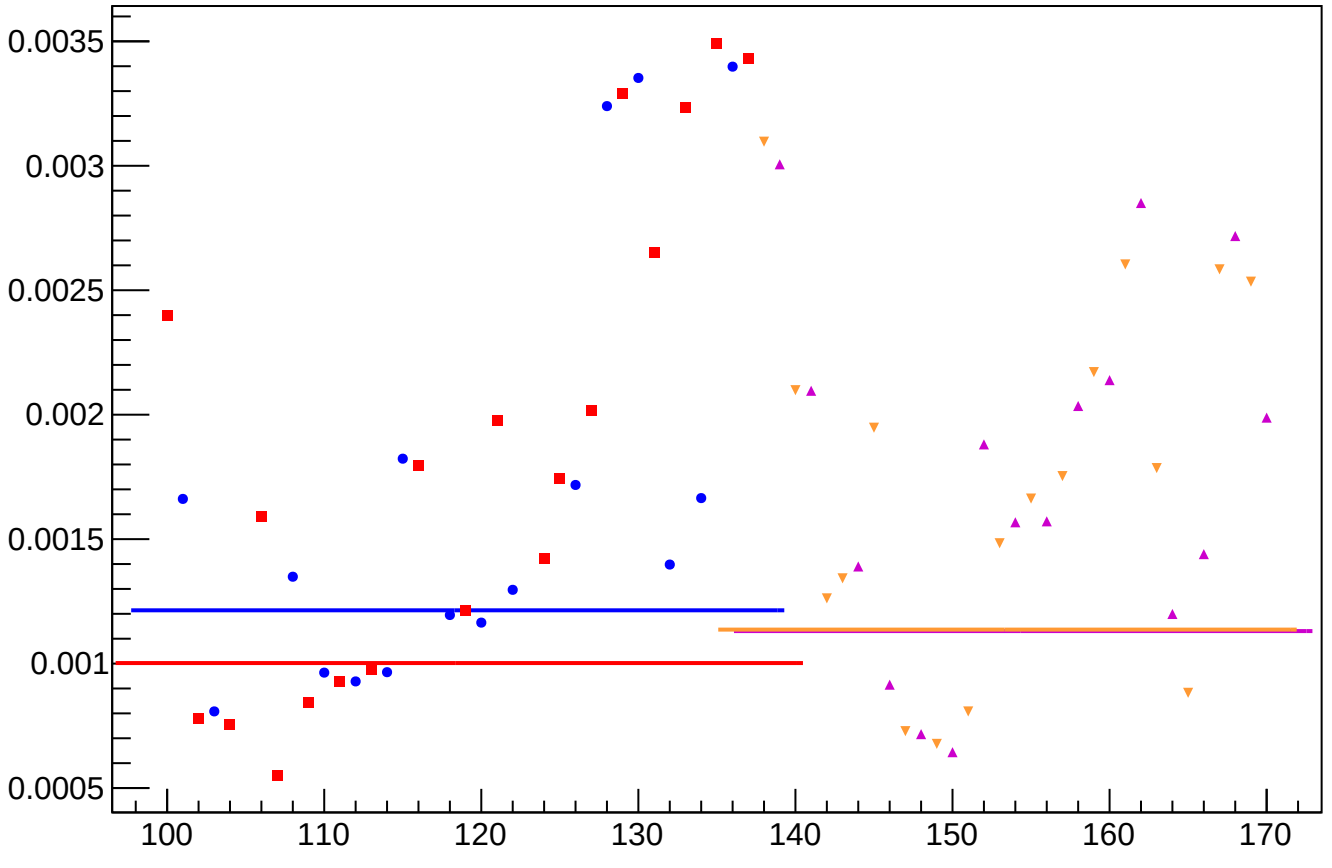
Left: 0.000+/-0.000 χ^2/NDF: 47.8/32

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:34.8/31

Out: 0.000+/-0.000 χ^2/NDF:47.4/35

All: 0.000+/-0.000 χ^2/NDF: 85.4/67



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5444031.8/16

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5468612.7/15

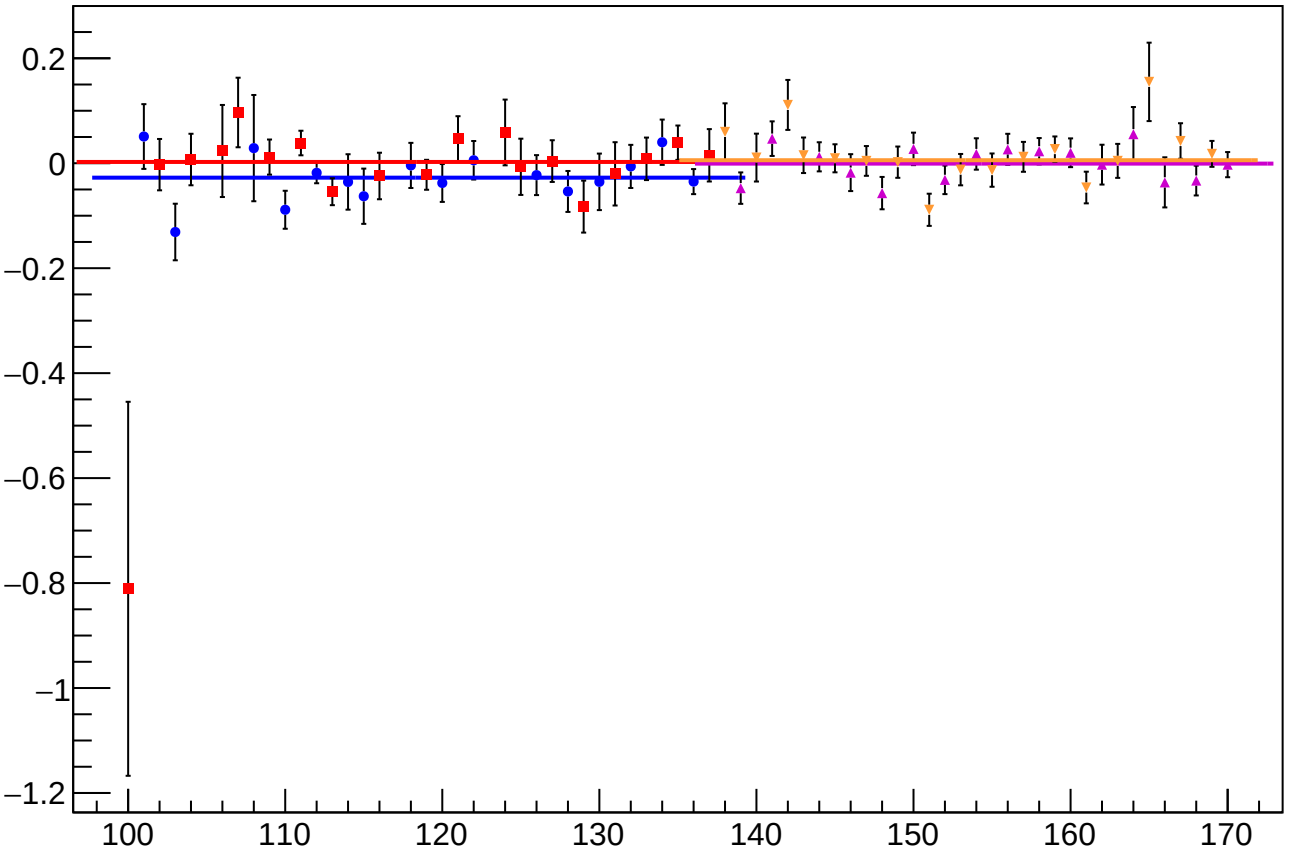
Left: 0.001+/-0.000 χ^2/NDF: 10912919.9/32

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:7772788.4/31

Out: 0.001+/-0.000 χ^2/NDF:8841448.4/35

All: 0.001+/-0.000 χ^2/NDF: 16691955.5/67



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.006+/-0.008 χ^2/NDF:25.4/16

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/15

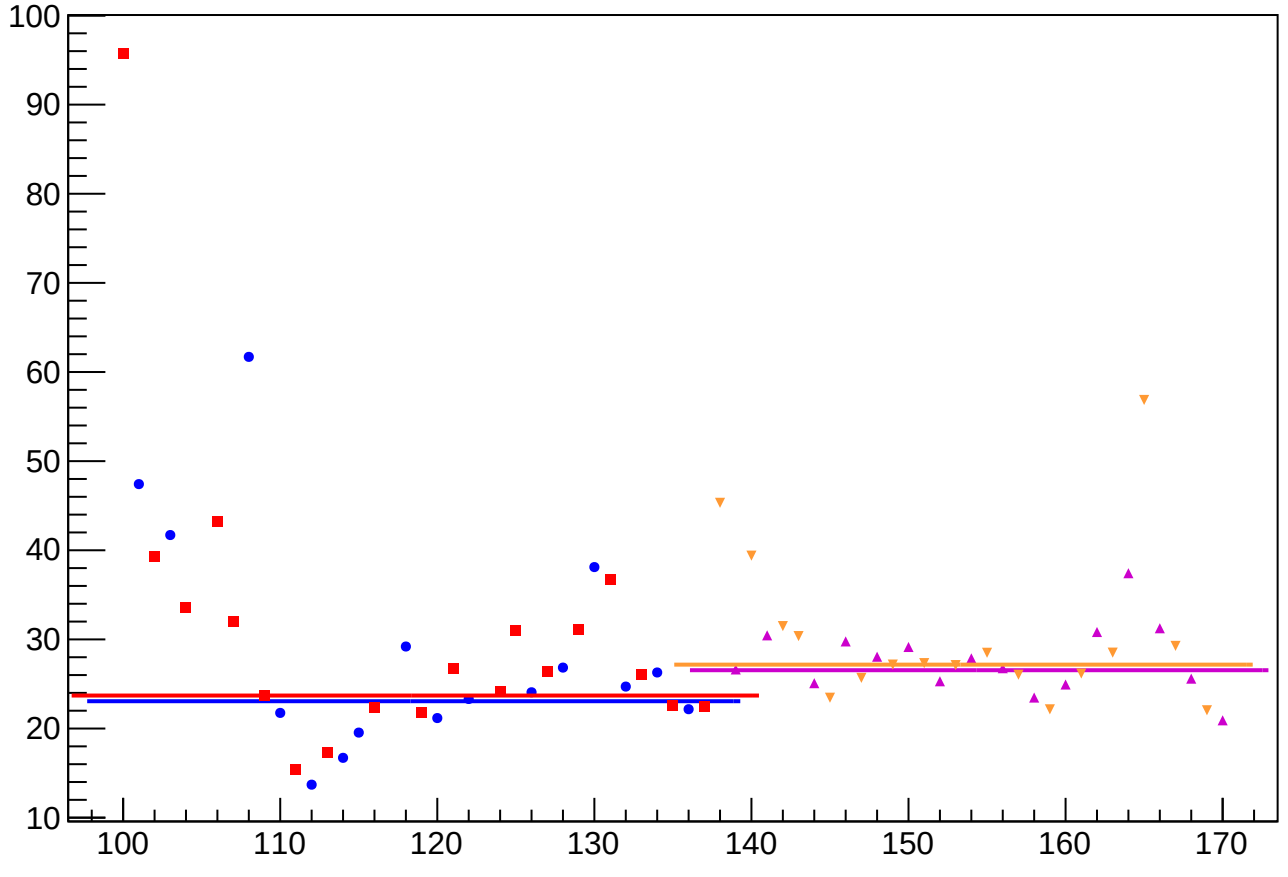
Left: 0.002+/-0.005 χ^2/NDF: 41.9/32

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.004+/-0.006 χ^2/NDF:47.6/35

All: -0.004+/-0.004 χ^2/NDF: 85.8/67



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.169+/-0.005 χ^2/NDF:952849.7/16

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.543+/-0.005 χ^2/NDF:360270.1/15

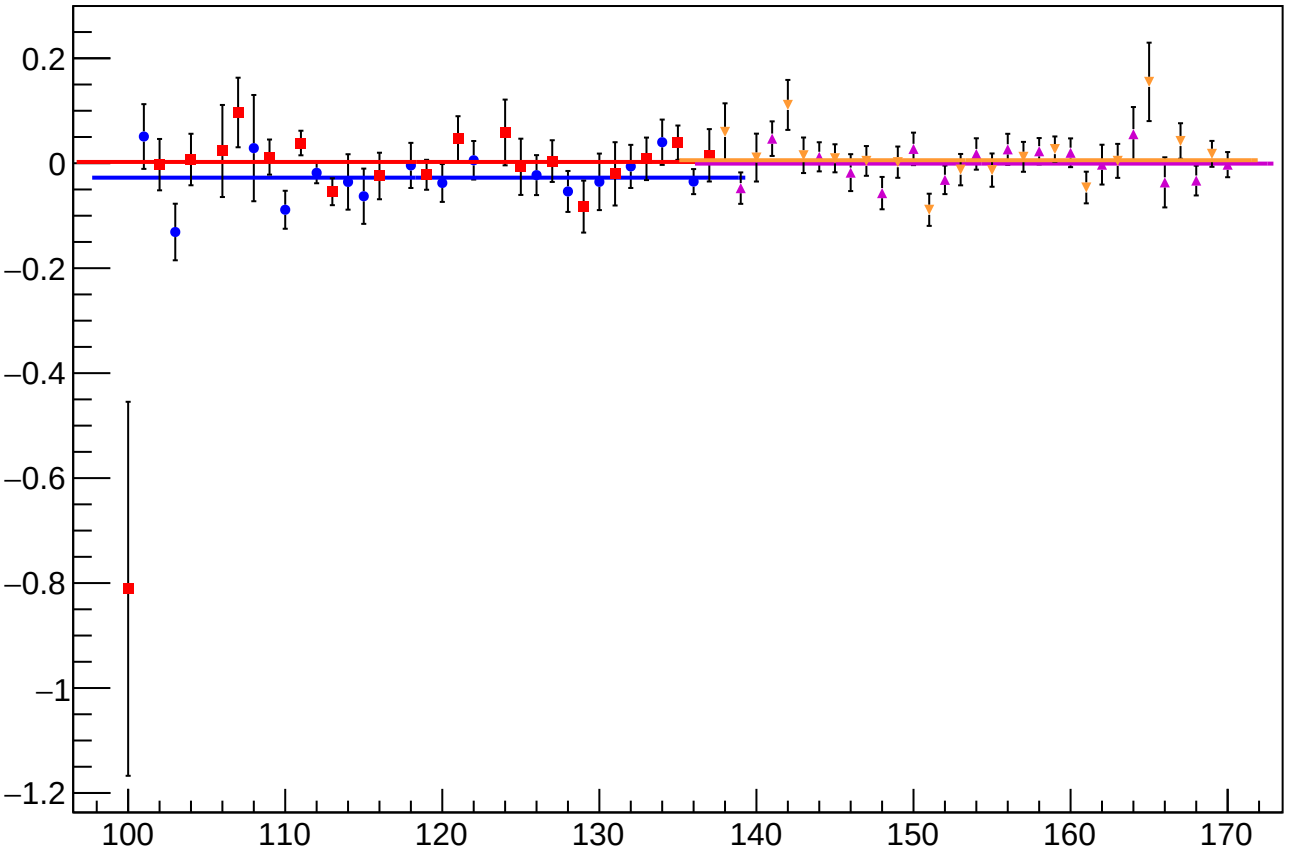
Left: 26.852+/-0.004 χ^2/NDF: 1319787.1/32

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.165+/-0.004 χ^2/NDF:2090231.0/31

Out: 25.753+/-0.004 χ^2/NDF:2206146.8/35

All: 25.458+/-0.003 χ^2/NDF: 4306244.9/67



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.006+/-0.008 χ^2/NDF:25.4/16

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/15

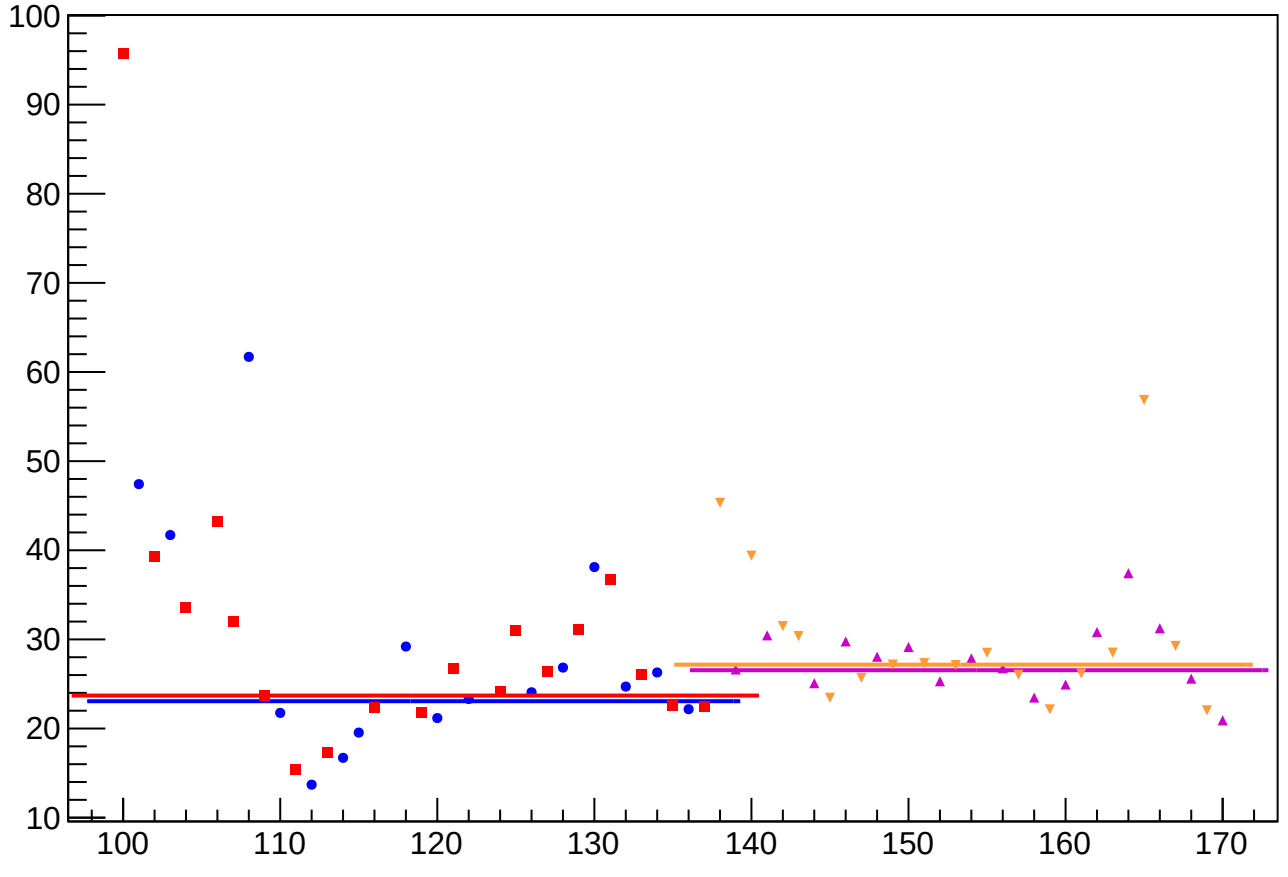
Left: 0.002+/-0.005 χ^2/NDF: 41.9/32

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.004+/-0.006 χ^2/NDF:47.6/35

All: -0.004+/-0.004 χ^2/NDF: 85.8/67



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.169+/-0.005 χ^2/NDF:952849.7/16

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.543+/-0.005 χ^2/NDF:360270.1/15

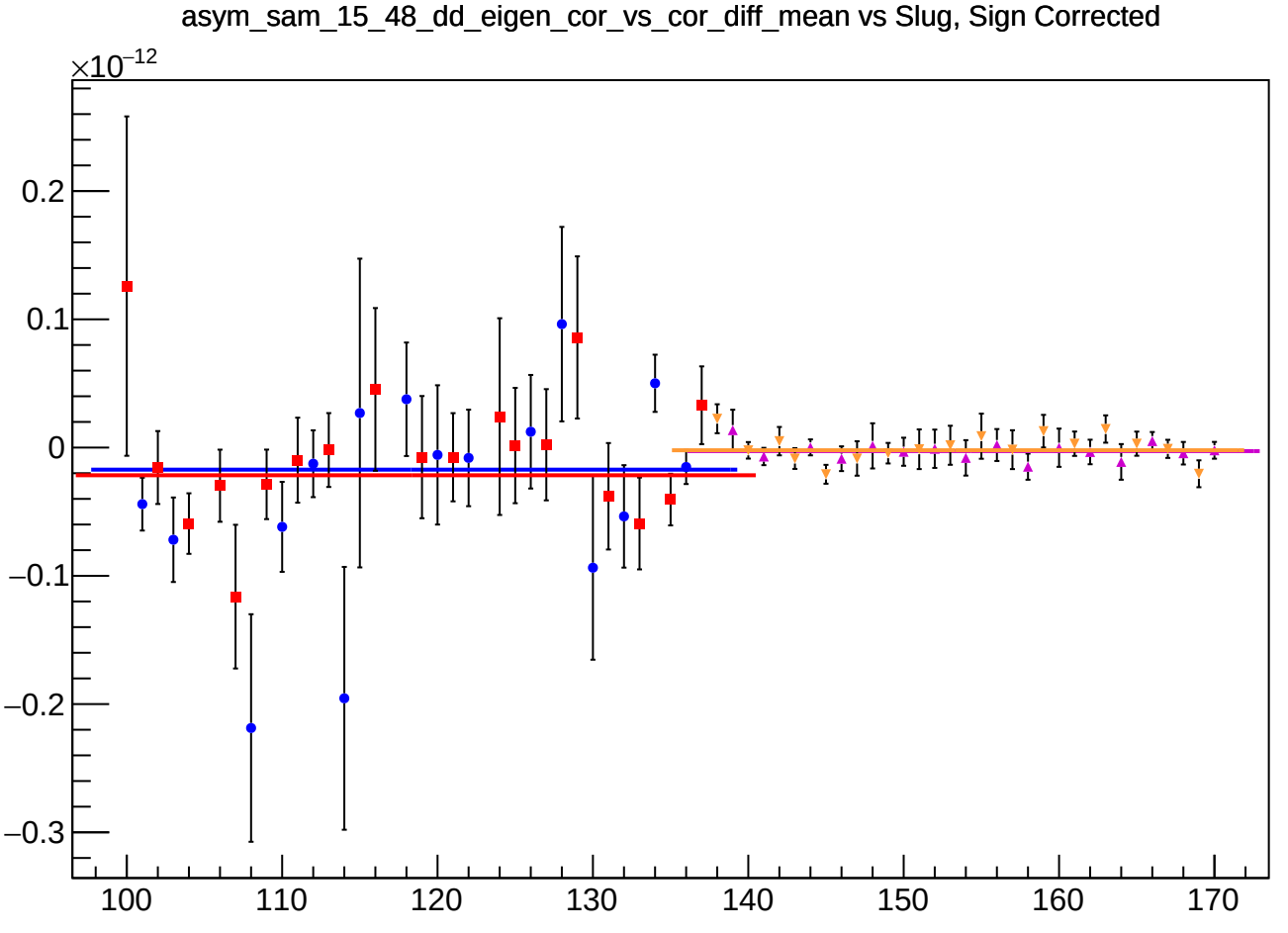
Left: 26.852+/-0.004 χ^2/NDF: 1319787.1/32

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.165+/-0.004 χ^2/NDF:2090231.0/31

Out: 25.753+/-0.004 χ^2/NDF:2206146.8/35

All: 25.458+/-0.003 χ^2/NDF: 4306244.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/15

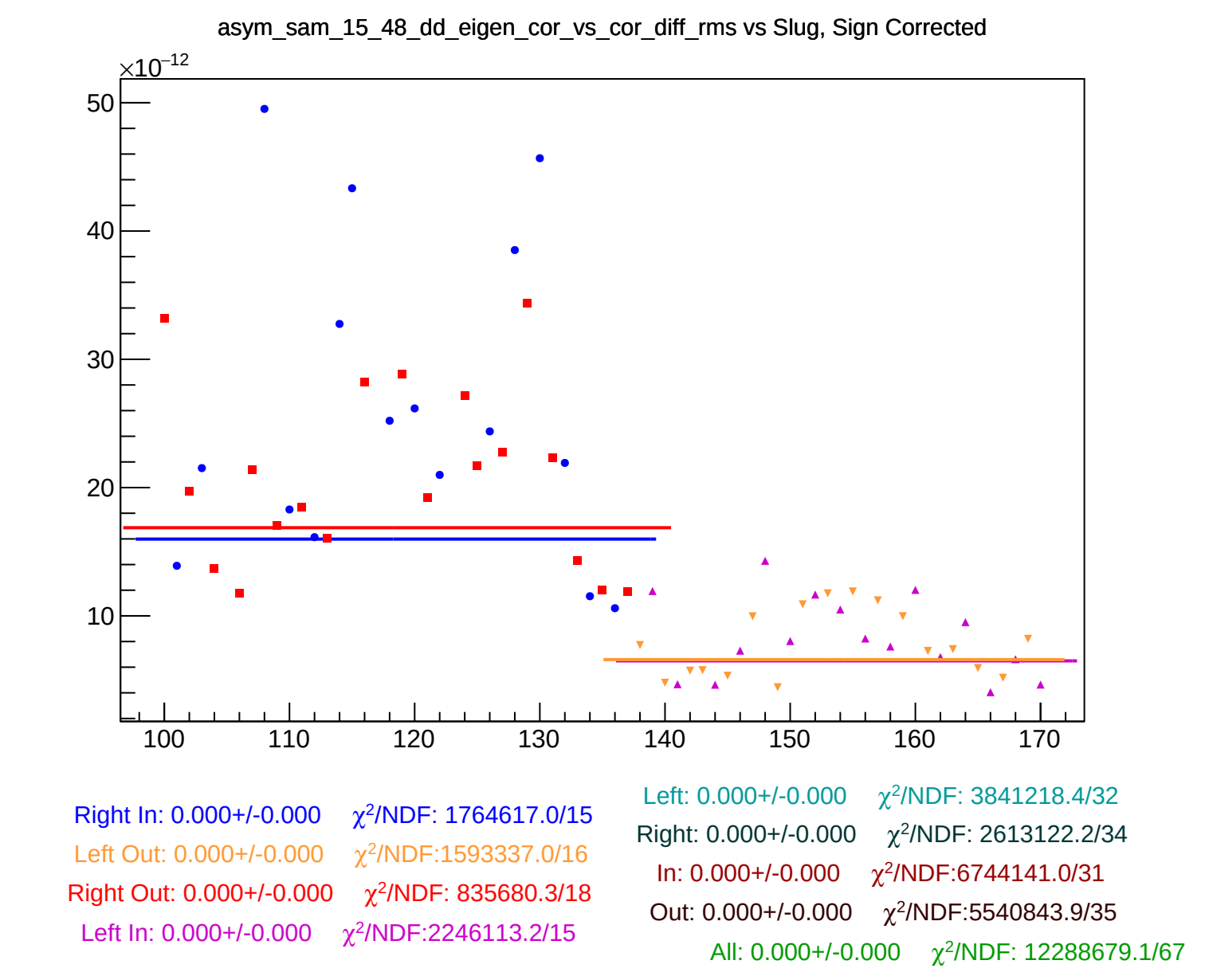
Left: -0.000+/-0.000 χ^2/NDF: 26.1/32

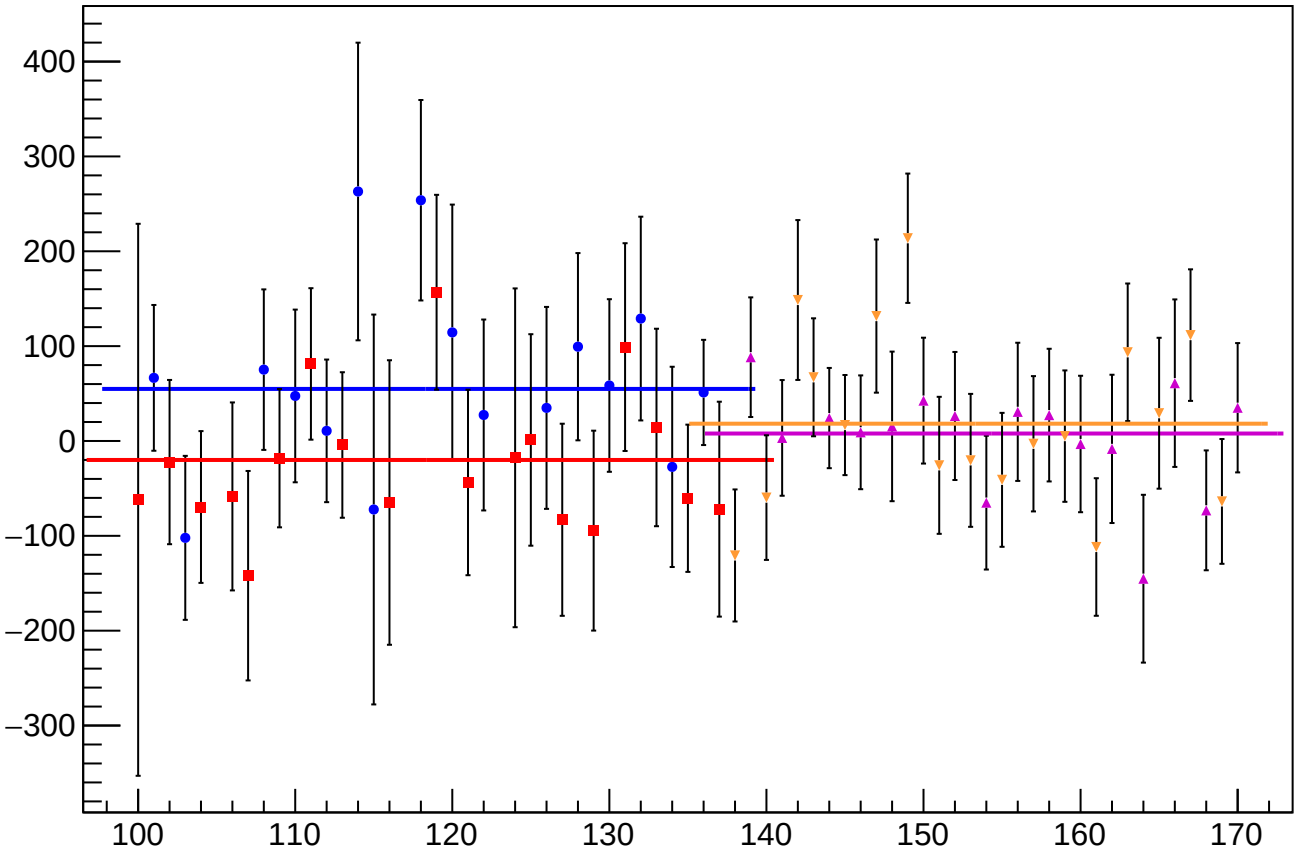
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

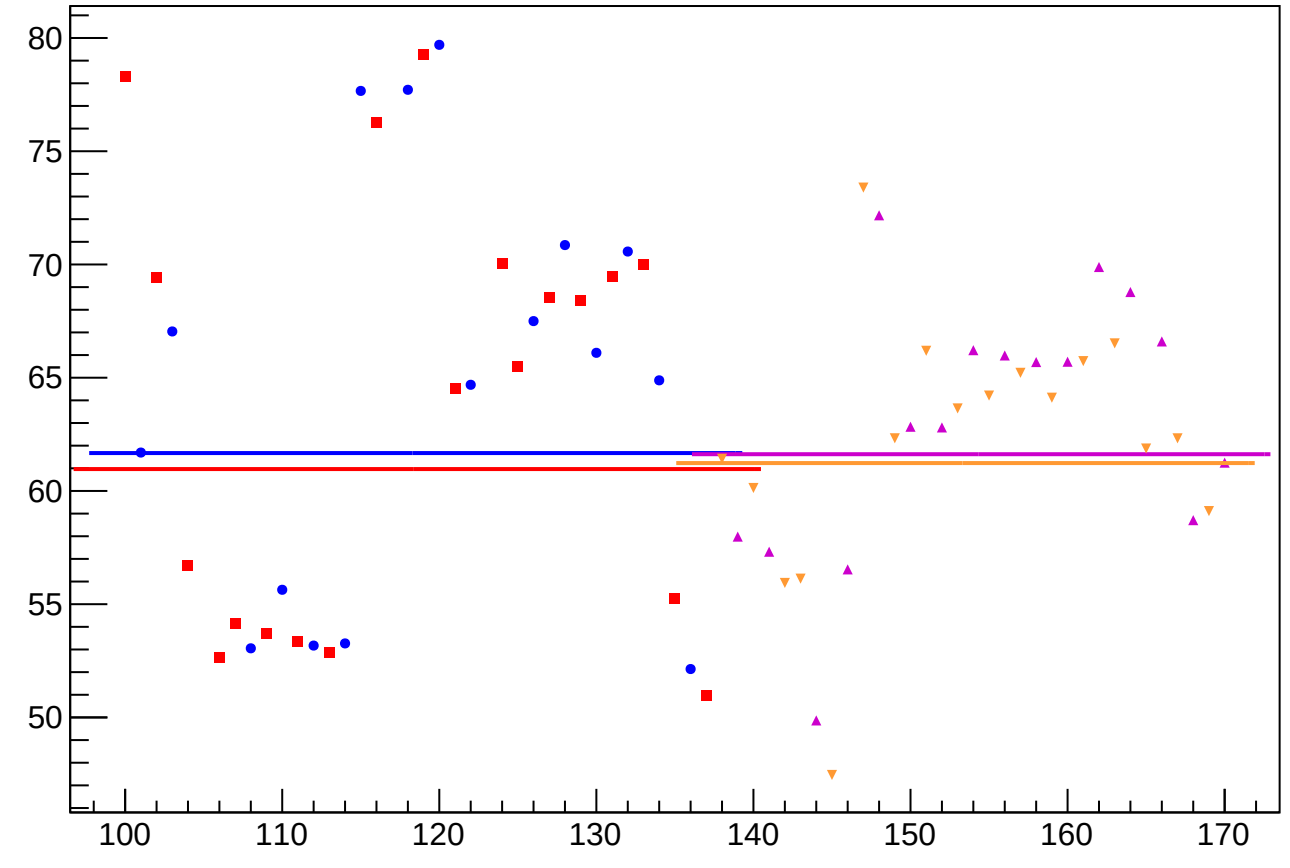
In: -0.000+/-0.000 χ^2/NDF:38.5/31

Out: -0.000+/-0.000 χ^2/NDF:44.1/35

All: -0.000+/-0.000 χ^2/NDF: 82.7/67


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:1593337.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2246113.2/15
Left: 0.000+/-0.000 χ²/NDF: 3841218.4/32
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:6744141.0/31
Out: 0.000+/-0.000 χ²/NDF:5540843.9/35
All: 0.000+/-0.000 χ²/NDF: 12288679.1/67


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 18.223+/-16.799 χ²/NDF:27.8/16
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 7.858+/-17.059 χ²/NDF:8.6/15
Left: 13.120+/-11.970 χ²/NDF: 36.5/32
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 24.380+/-13.739 χ²/NDF:22.2/31
Out: 4.590+/-13.476 χ²/NDF:38.9/35
All: 14.294+/-9.621 χ²/NDF: 62.2/67



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.231+/-0.012 χ^2/NDF:250114.5/16

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

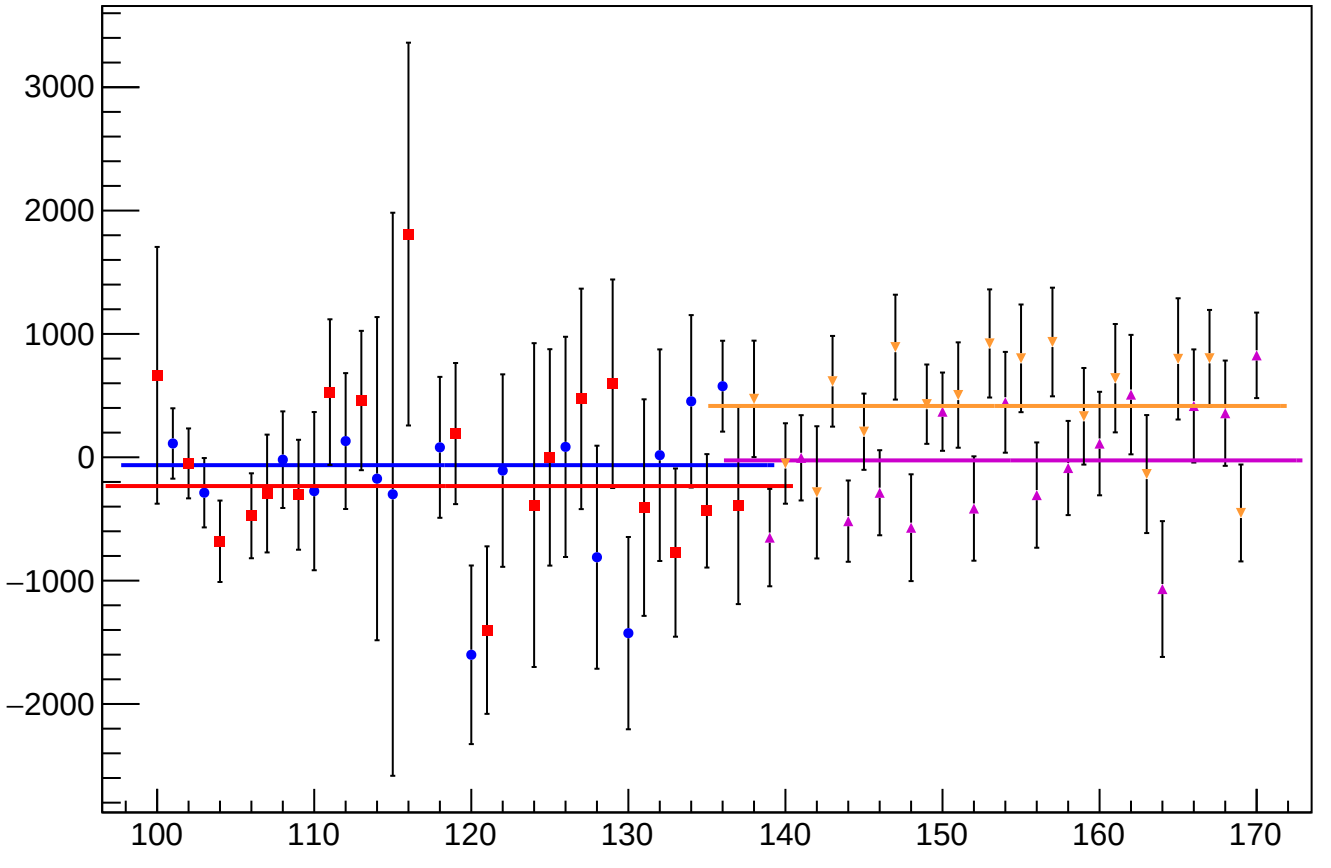
Left: 61.424+/-0.008 χ^2/NDF: 492690.0/32

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

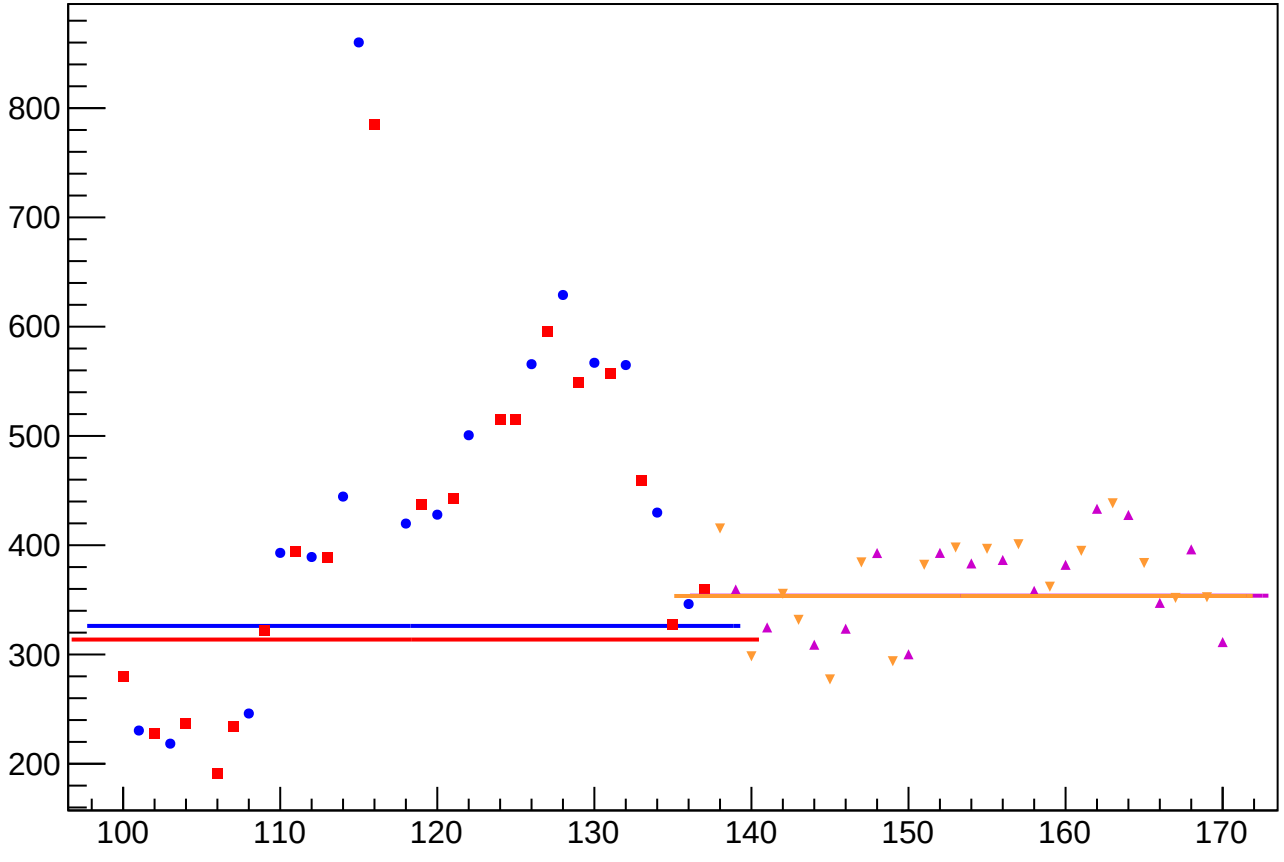
In: 61.640+/-0.010 χ^2/NDF:509155.2/31

Out: 61.137+/-0.010 χ^2/NDF:534474.8/35

All: 61.384+/-0.007 χ^2/NDF: 1044998.6/67


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 416.109+/-97.711 χ²/NDF:17.4/16
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -25.195+/-98.337 χ²/NDF:23.8/15
Left: 196.866+/-69.312 χ²/NDF: 51.3/32
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -39.303+/-78.355 χ²/NDF:37.0/31
Out: 164.362+/-76.458 χ²/NDF:49.1/35
All: 65.025+/-54.722 χ²/NDF: 89.5/67

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.536+/-0.069 χ^2/NDF:461419.6/16

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 353.814+/-0.070 χ^2/NDF:329093.2/15

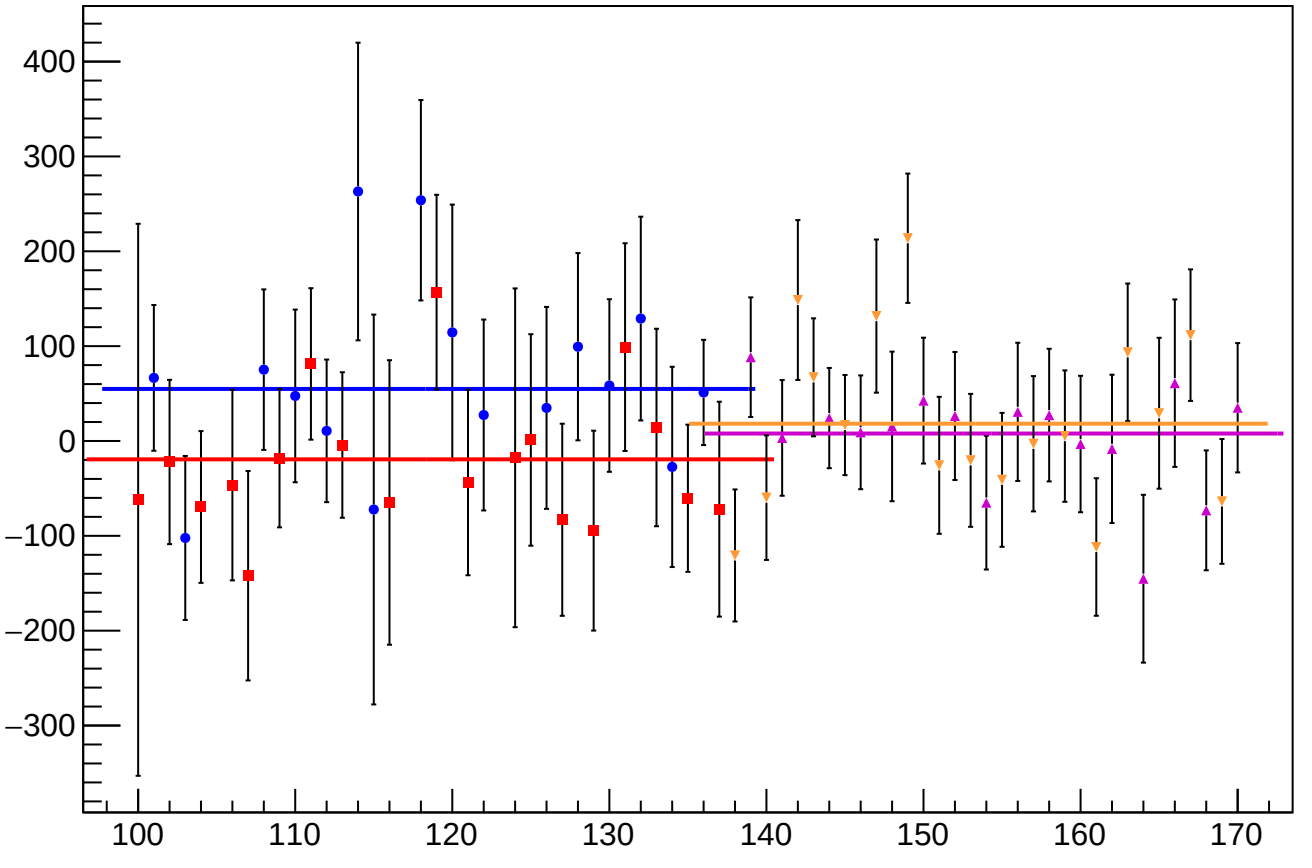
Left: 353.674+/-0.049 χ^2/NDF: 790520.8/32

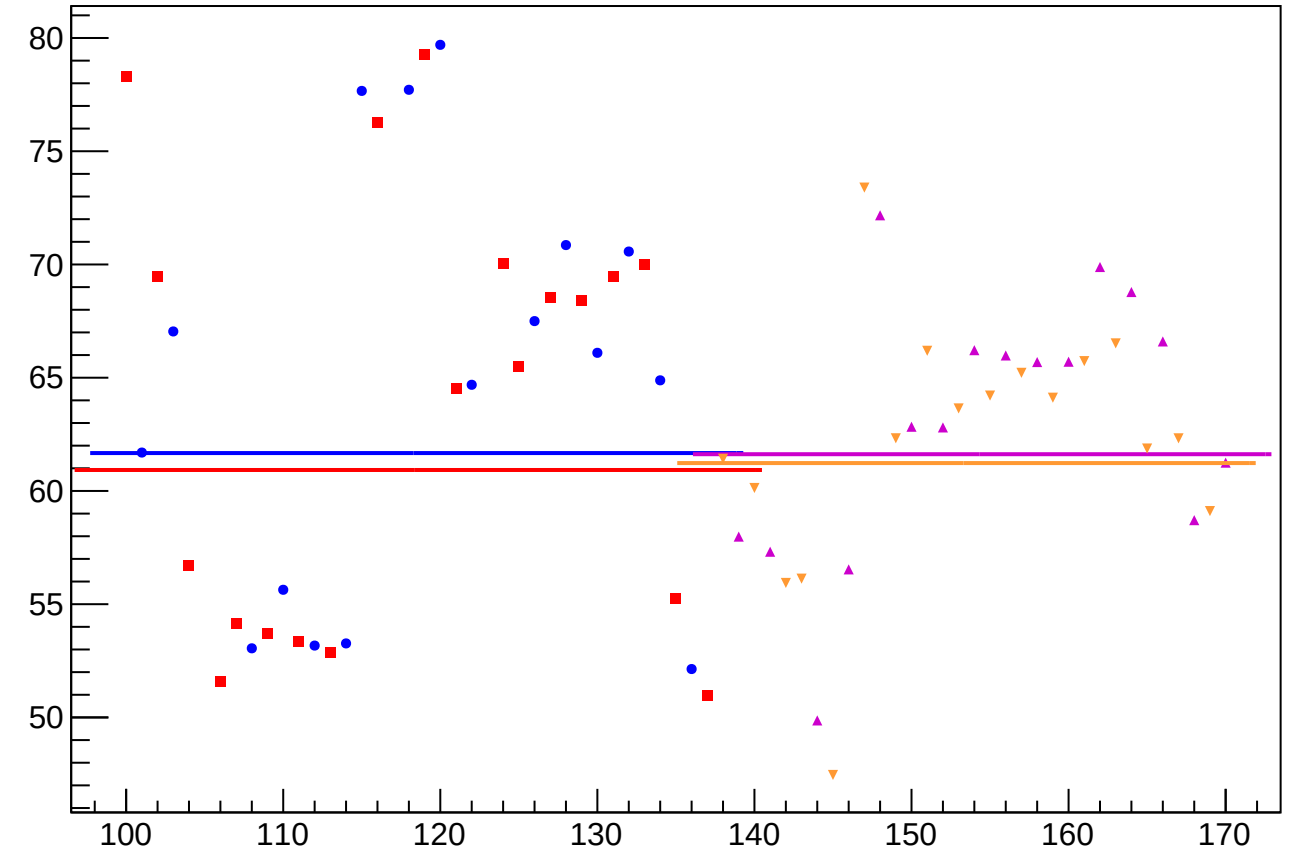
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.712+/-0.055 χ^2/NDF:2120888.2/31

Out: 338.080+/-0.054 χ^2/NDF:2377835.4/35

All: 340.827+/-0.039 χ^2/NDF: 4504016.6/67


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 18.221+/-16.799 χ²/NDF:27.8/16
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 7.858+/-17.059 χ²/NDF:8.6/15
Left: 13.119+/-11.970 χ²/NDF: 36.5/32
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 24.378+/-13.739 χ²/NDF:22.2/31
Out: 4.840+/-13.480 χ²/NDF:38.7/35
All: 14.423+/-9.622 χ²/NDF: 62.0/67



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.231+/-0.012 χ^2/NDF:250114.5/16

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

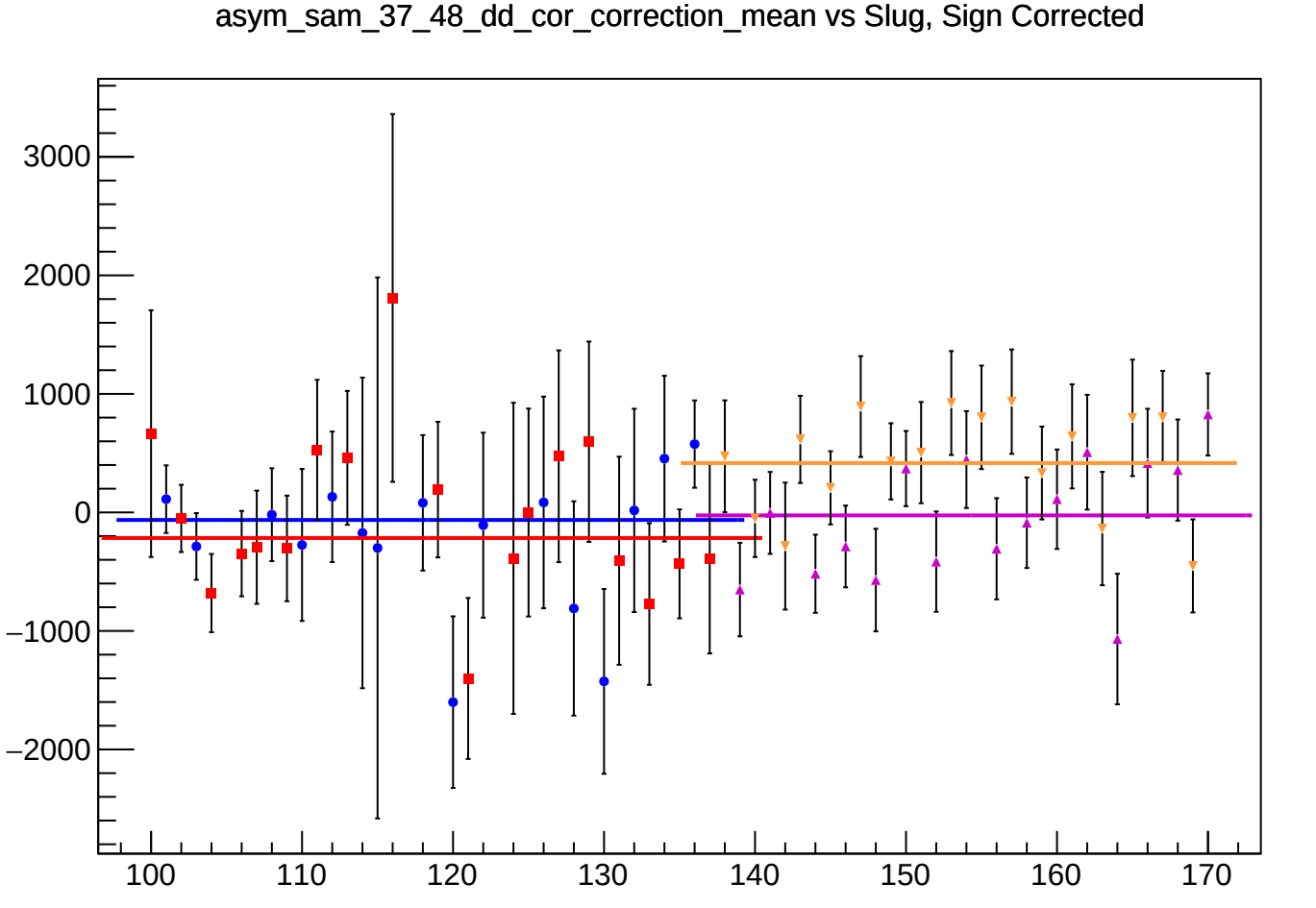
Left: 61.424+/-0.008 χ^2/NDF: 492690.0/32

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.640+/-0.010 χ^2/NDF:509155.4/31

Out: 61.122+/-0.010 χ^2/NDF:537929.7/35

All: 61.376+/-0.007 χ^2/NDF: 1048533.0/67


asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected
3000
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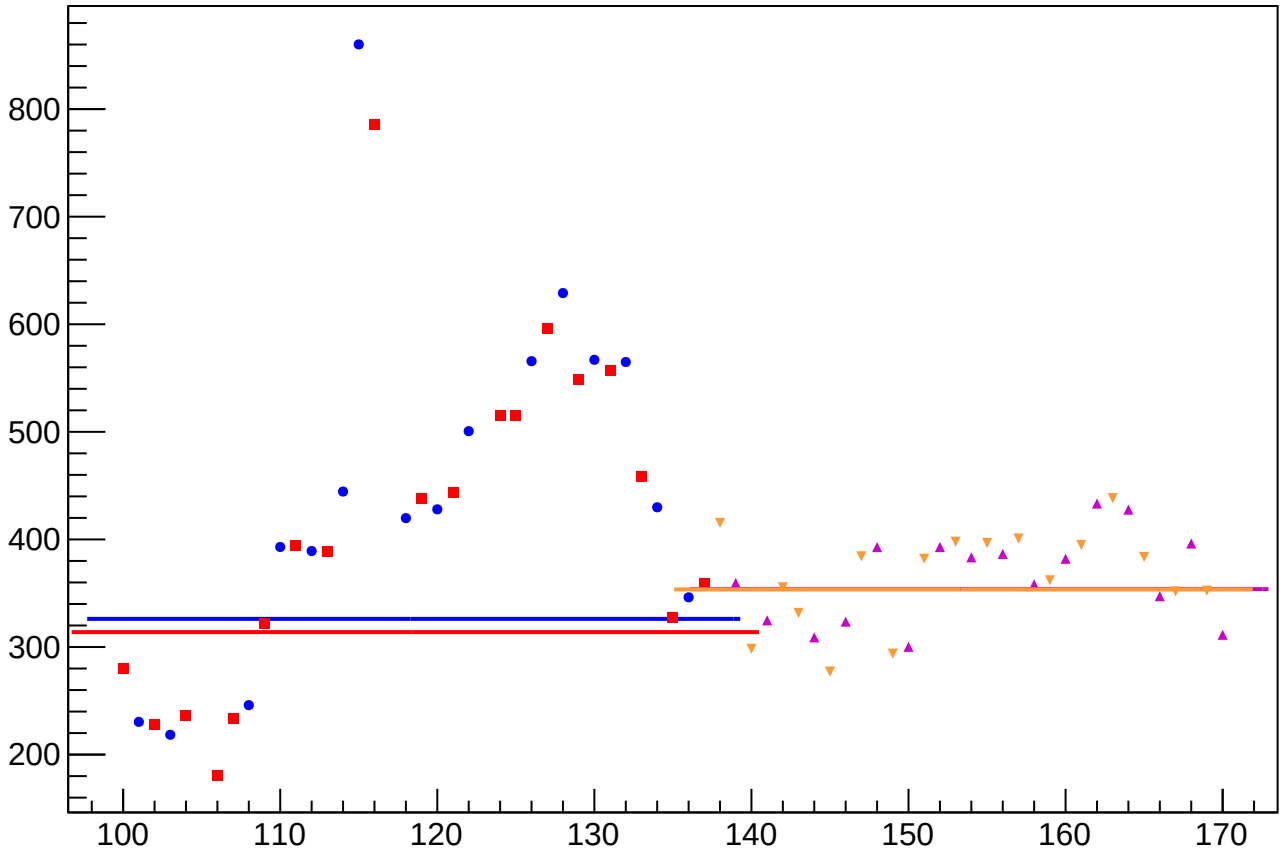
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 416.109+/-97.711 χ²/NDF:17.4/16
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -25.195+/-98.337 χ²/NDF:23.8/15
Left: 196.866+/-69.312 χ²/NDF: 51.3/32
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -39.298+/-78.355 χ²/NDF:37.0/31
Out: 172.771+/-76.626 χ²/NDF:47.6/35
All: 69.103+/-54.784 χ²/NDF: 88.4/67



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.536+/-0.069 χ^2/NDF:461418.8/16

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 353.814+/-0.070 χ^2/NDF:329094.0/15

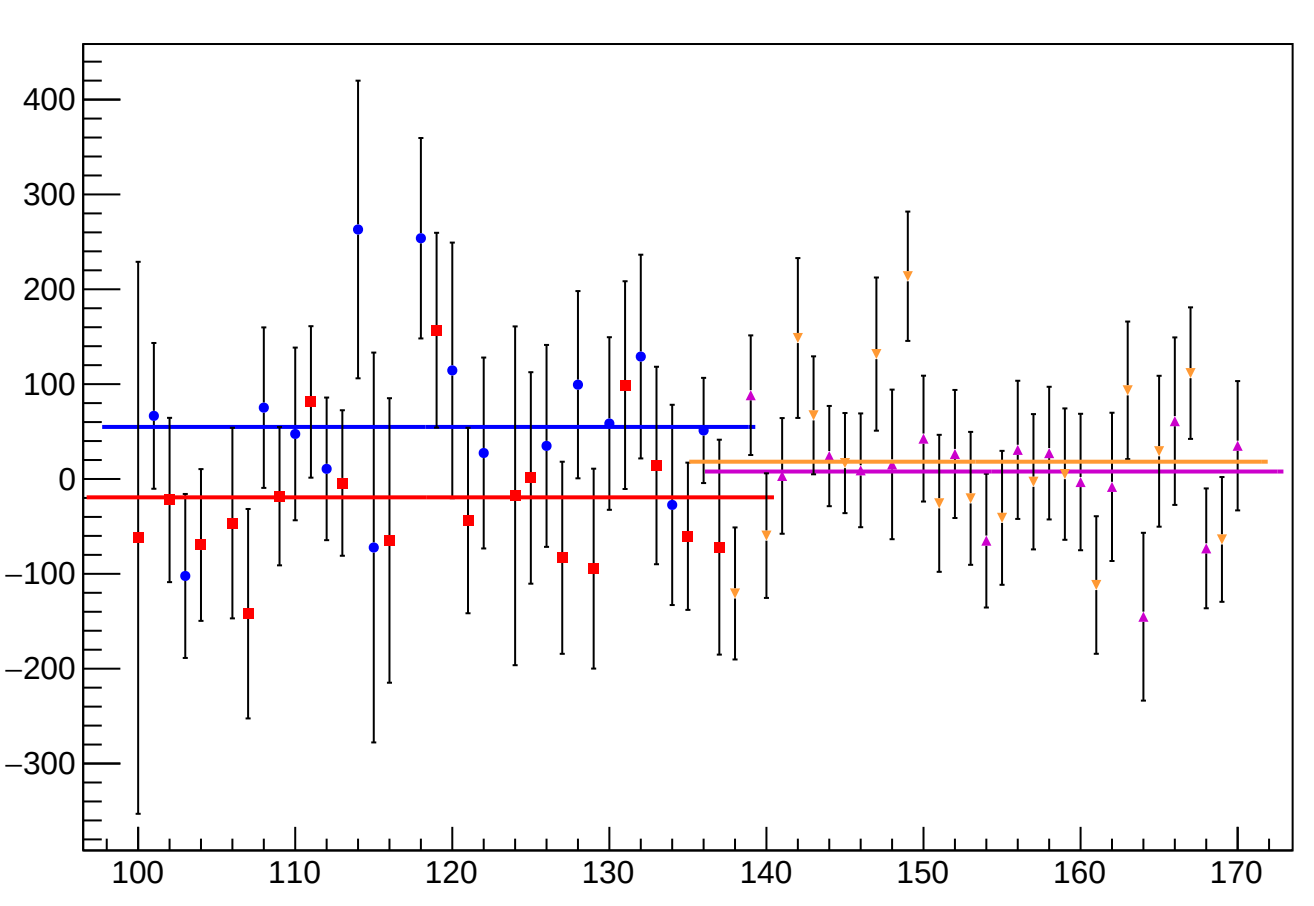
Left: 353.674+/-0.049 χ^2/NDF: 790520.7/32

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.714+/-0.055 χ^2/NDF:2120816.2/31

Out: 338.261+/-0.054 χ^2/NDF:2394158.3/35

All: 340.926+/-0.039 χ^2/NDF: 4519925.8/67



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.221+/-16.799 χ^2/NDF:27.8/16

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 7.858+/-17.059 χ^2/NDF:8.6/15

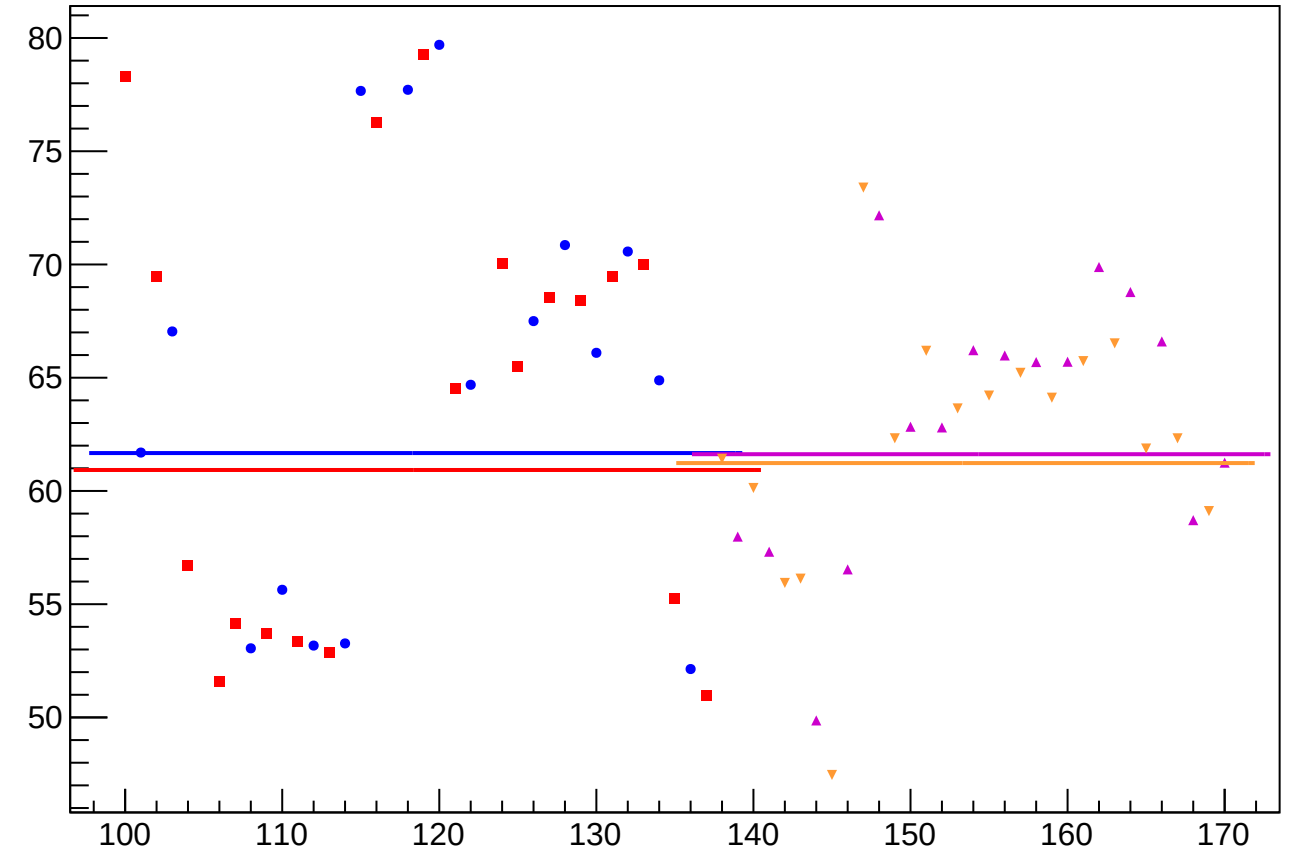
Left: 13.119+/-11.970 χ^2/NDF: 36.5/32

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 24.378+/-13.739 χ^2/NDF:22.2/31

Out: 4.840+/-13.480 χ^2/NDF:38.7/35

All: 14.423+/-9.622 χ^2/NDF: 62.0/67



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.231+/-0.012 χ^2/NDF:250114.5/16

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

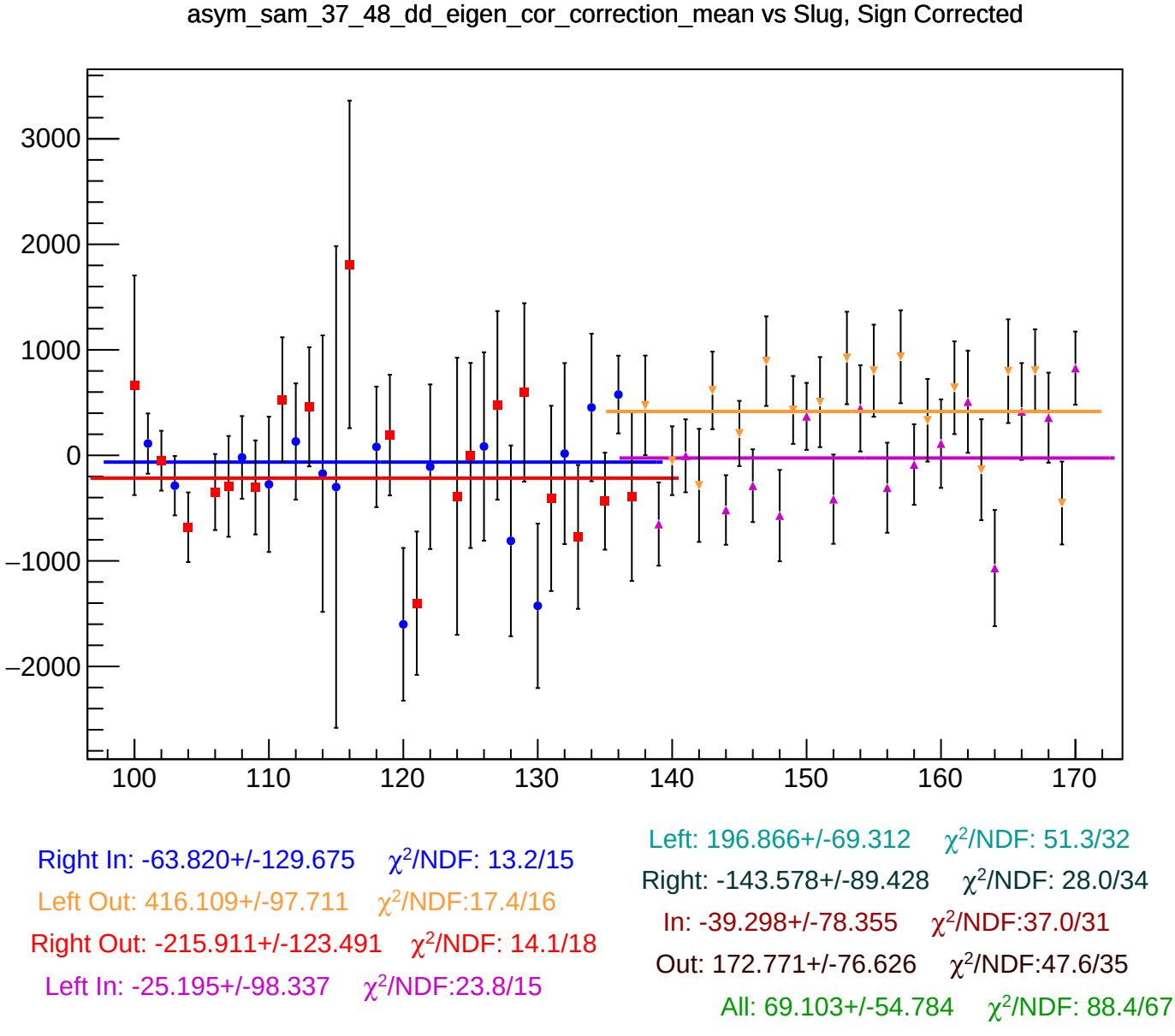
Left: 61.424+/-0.008 χ^2/NDF: 492690.0/32

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.640+/-0.010 χ^2/NDF:509155.4/31

Out: 61.122+/-0.010 χ^2/NDF:537929.7/35

All: 61.376+/-0.007 χ^2/NDF: 1048533.0/67


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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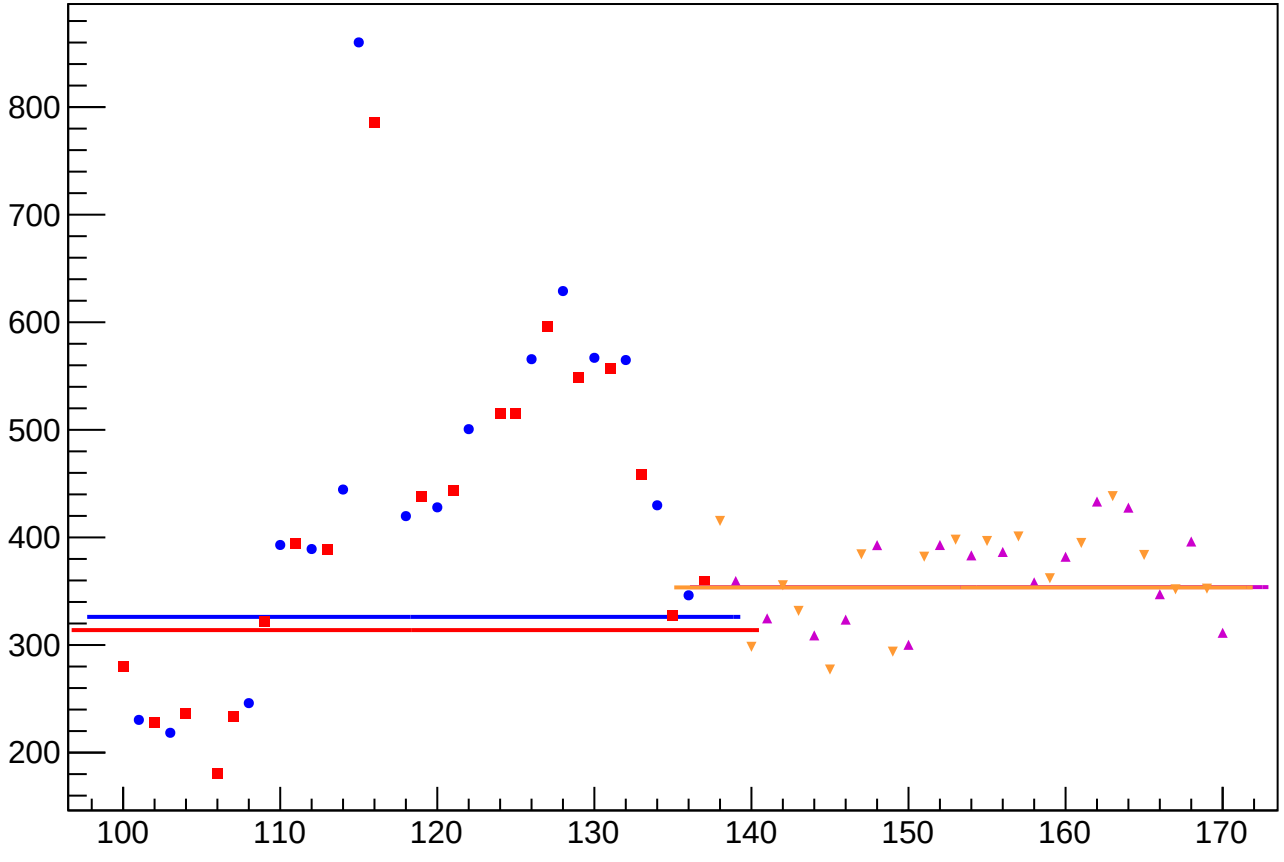
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 416.109+/-97.711 χ²/NDF:17.4/16
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -25.195+/-98.337 χ²/NDF:23.8/15
Left: 196.866+/-69.312 χ²/NDF: 51.3/32
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -39.298+/-78.355 χ²/NDF:37.0/31
Out: 172.771+/-76.626 χ²/NDF:47.6/35
All: 69.103+/-54.784 χ²/NDF: 88.4/67

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.536+/-0.069 χ^2/NDF:461418.8/16

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 353.814+/-0.070 χ^2/NDF:329094.0/15

Left: 353.674+/-0.049 χ^2/NDF: 790520.7/32

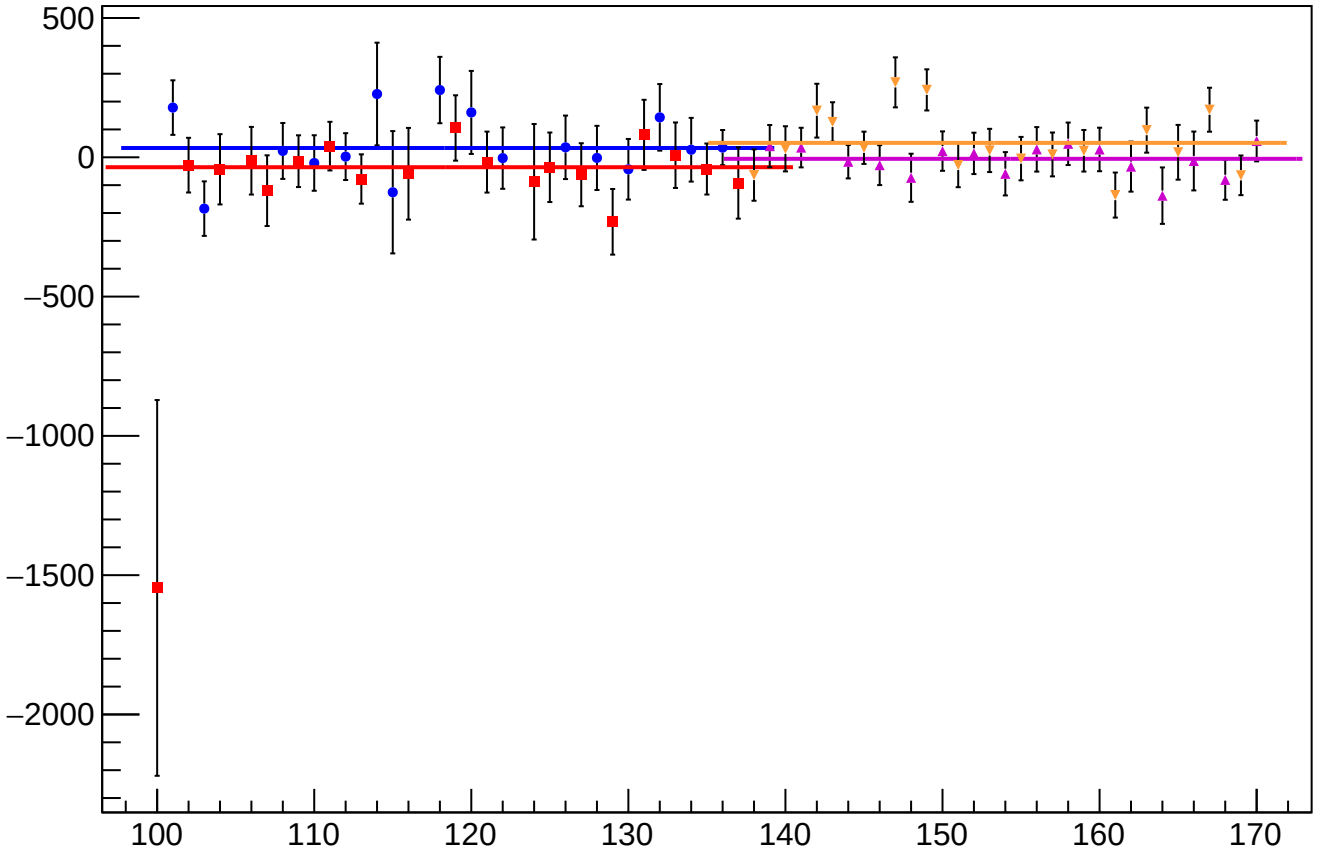
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.714+/-0.055 χ^2/NDF:2120816.2/31

Out: 338.261+/-0.054 χ^2/NDF:2394158.3/35

All: 340.926+/-0.039 χ^2/NDF: 4519925.8/67

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.719+/-18.968 χ^2/NDF:29.6/16

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -5.481+/-19.203 χ^2/NDF:6.7/15

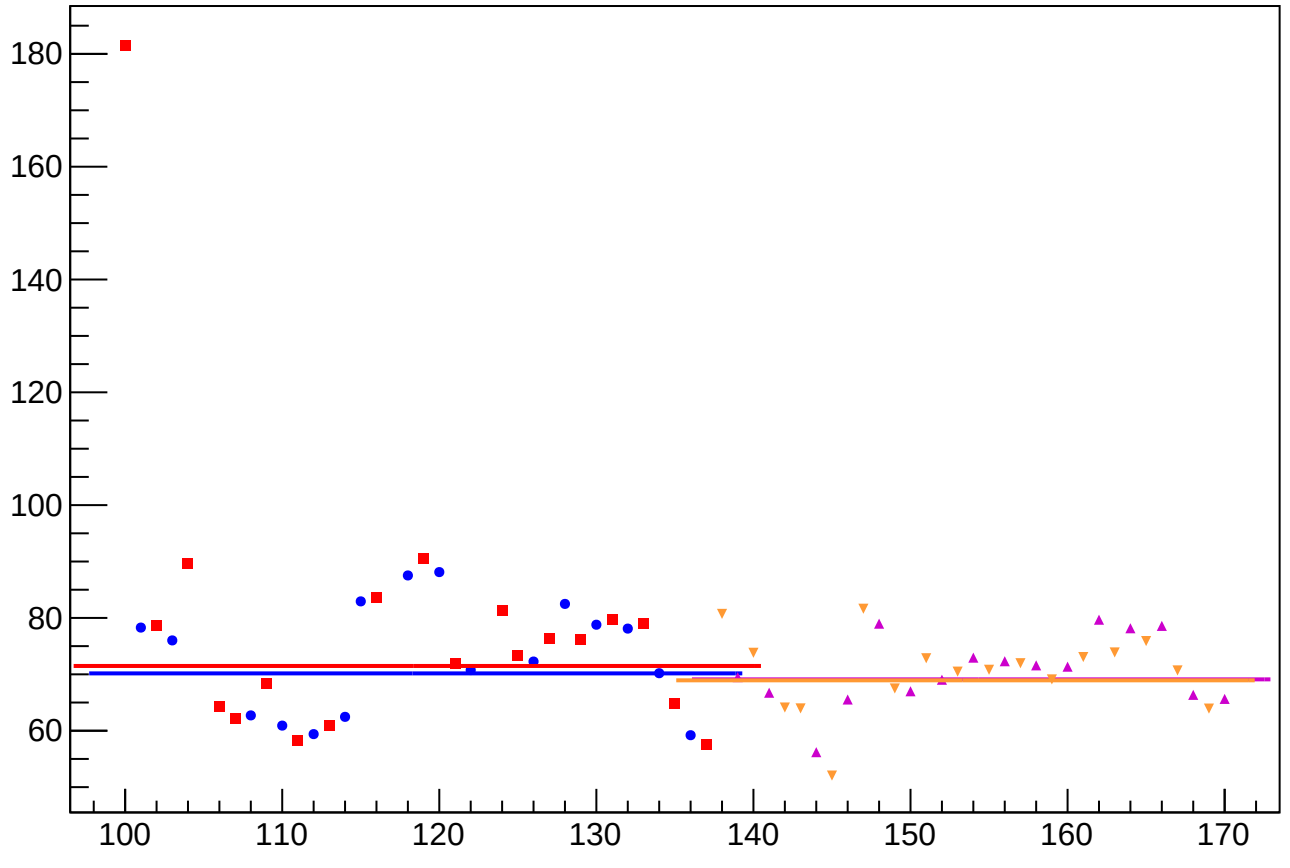
Left: 23.471+/-13.495 χ^2/NDF: 40.8/32

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 7.963+/-15.532 χ^2/NDF:22.6/31

Out: 22.199+/-15.431 χ^2/NDF:48.9/35

All: 15.127+/-10.947 χ^2/NDF: 71.9/67



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.937+/-0.013 χ^2/NDF:308953.3/16

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.108+/-0.014 χ^2/NDF:207319.7/15

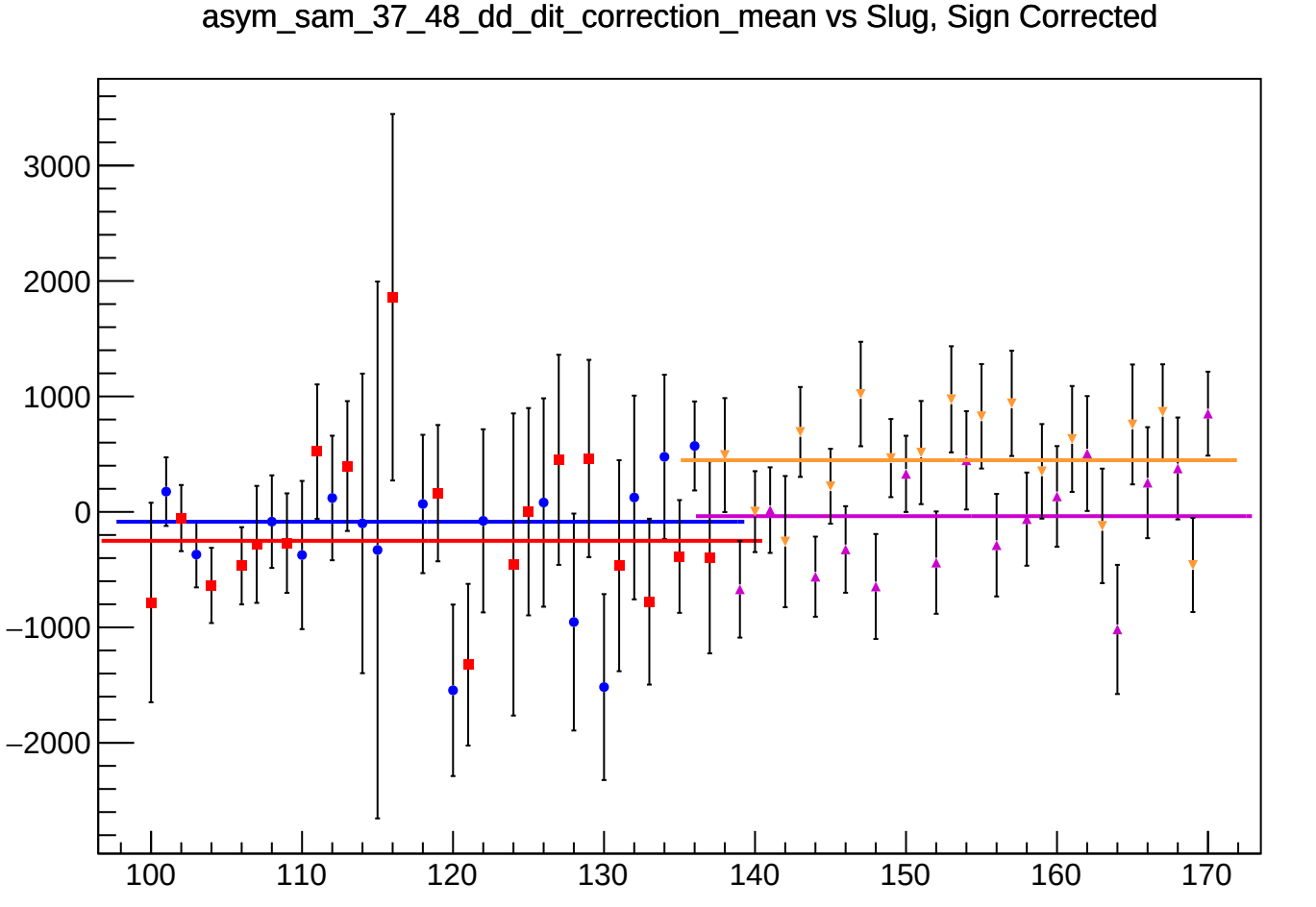
Left: 69.021+/-0.010 χ^2/NDF: 516352.7/32

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.474+/-0.011 χ^2/NDF:478675.8/31

Out: 69.798+/-0.011 χ^2/NDF:646852.6/35

All: 69.637+/-0.008 χ^2/NDF: 1125966.8/67


asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected
3000
2000
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130
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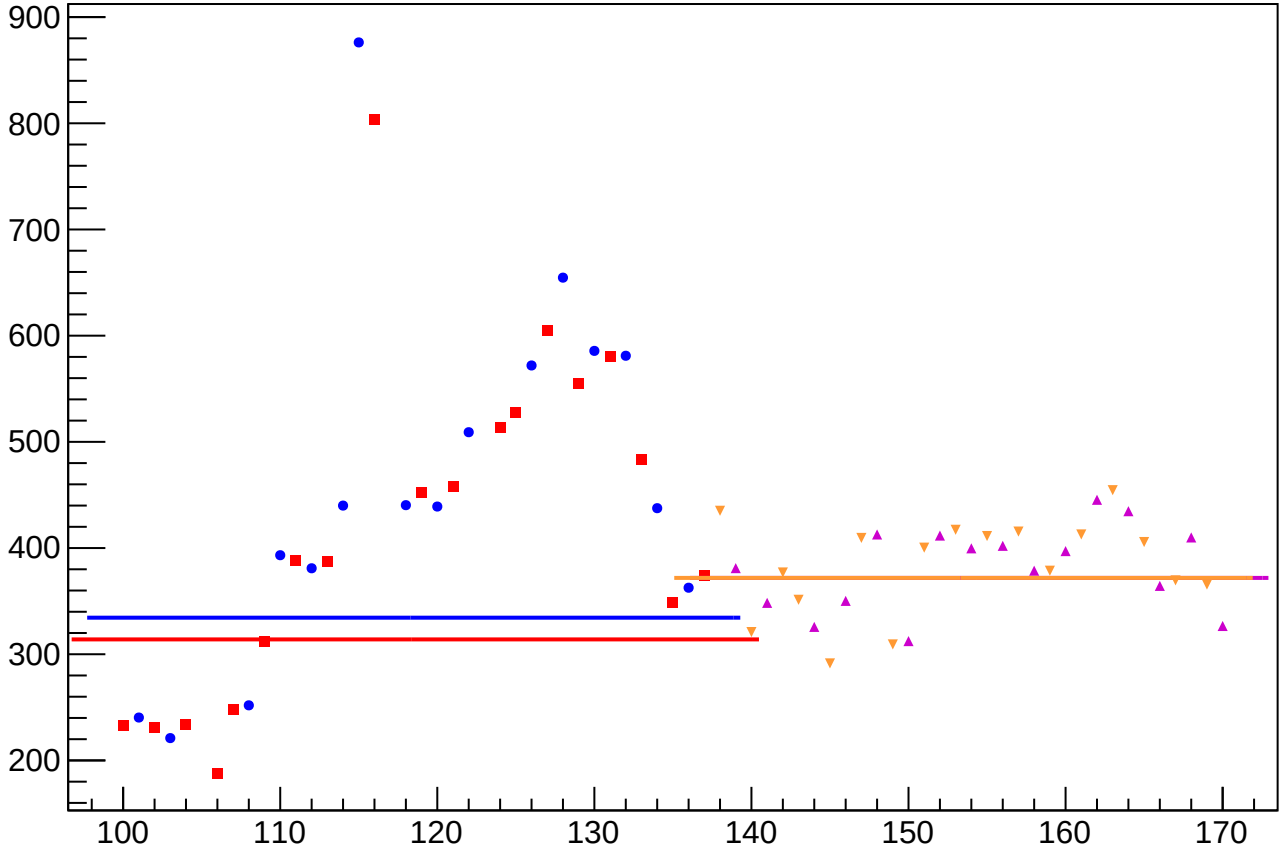
150
160
170
Right In: -85.184+/-132.877 χ²/NDF: 13.7/15
Left Out: 447.631+/-102.642 χ²/NDF:16.8/16
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -36.971+/-103.254 χ²/NDF:22.3/15
Left: 206.771+/-72.794 χ²/NDF: 50.1/32
Right: -173.980+/-90.383 χ²/NDF: 27.0/34
In: -55.123+/-81.532 χ²/NDF:36.1/31
Out: 161.897+/-78.886 χ²/NDF:48.2/35
All: 56.966+/-56.693 χ²/NDF: 87.9/67

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: 371.888+/-0.073 χ^2/NDF:428573.2/16

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 371.880+/-0.073 χ^2/NDF:288914.9/15

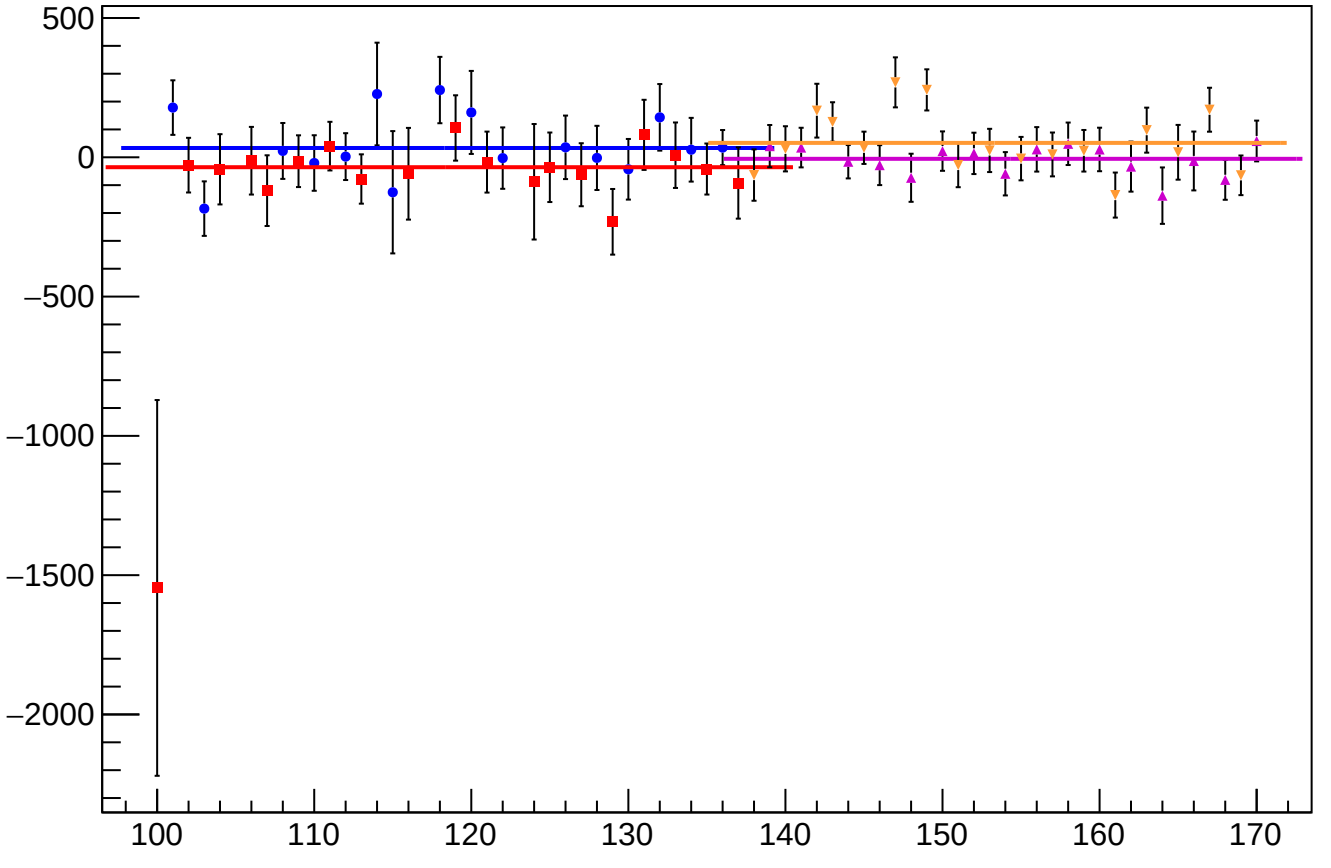
Left: 371.884+/-0.051 χ^2/NDF: 717488.1/32

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.781+/-0.058 χ^2/NDF:2118576.6/31

Out: 348.182+/-0.056 χ^2/NDF:2593832.6/35

All: 352.823+/-0.040 χ^2/NDF: 4726727.4/67



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.719+/-18.968 χ^2/NDF:29.6/16

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -5.481+/-19.203 χ^2/NDF:6.7/15

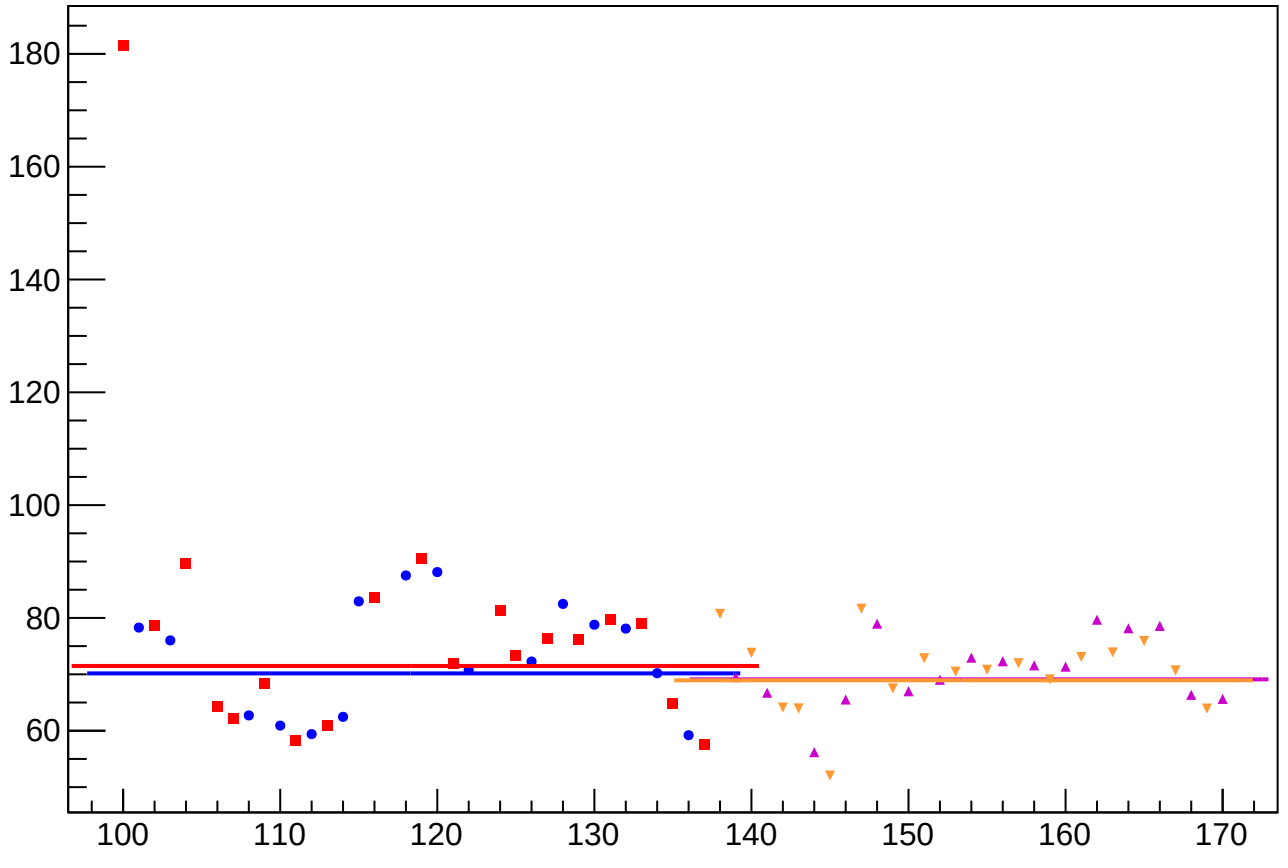
Left: 23.471+/-13.495 χ^2/NDF: 40.8/32

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 7.962+/-15.532 χ^2/NDF:22.6/31

Out: 22.198+/-15.431 χ^2/NDF:48.9/35

All: 15.126+/-10.947 χ^2/NDF: 71.9/67



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.937+/-0.013 χ^2/NDF:308960.1/16

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.107+/-0.014 χ^2/NDF:207322.6/15

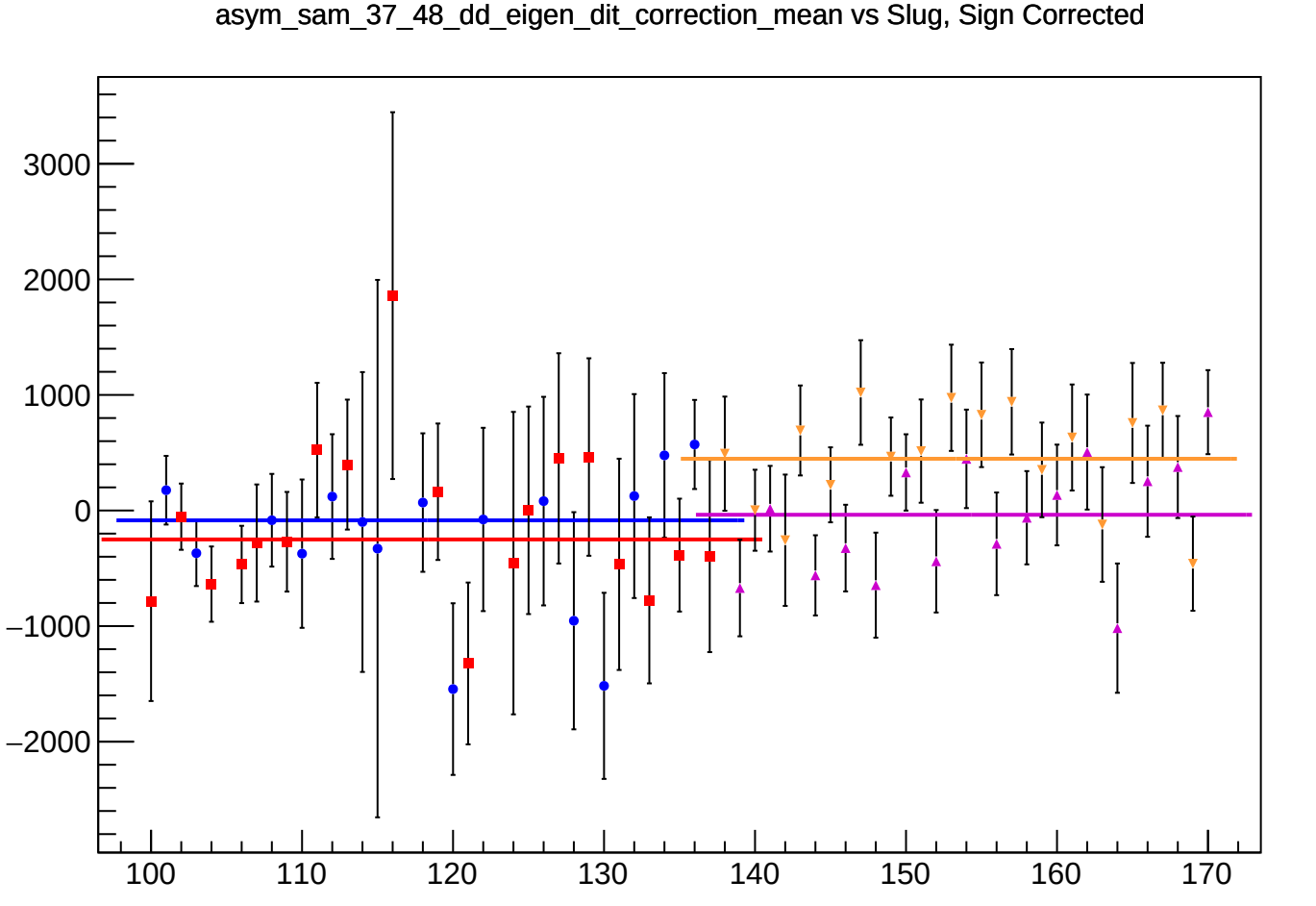
Left: 69.021+/-0.010 χ^2/NDF: 516362.4/32

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.474+/-0.011 χ^2/NDF:478682.4/31

Out: 69.798+/-0.011 χ^2/NDF:646867.1/35

All: 69.637+/-0.008 χ^2/NDF: 1125987.8/67


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
3000
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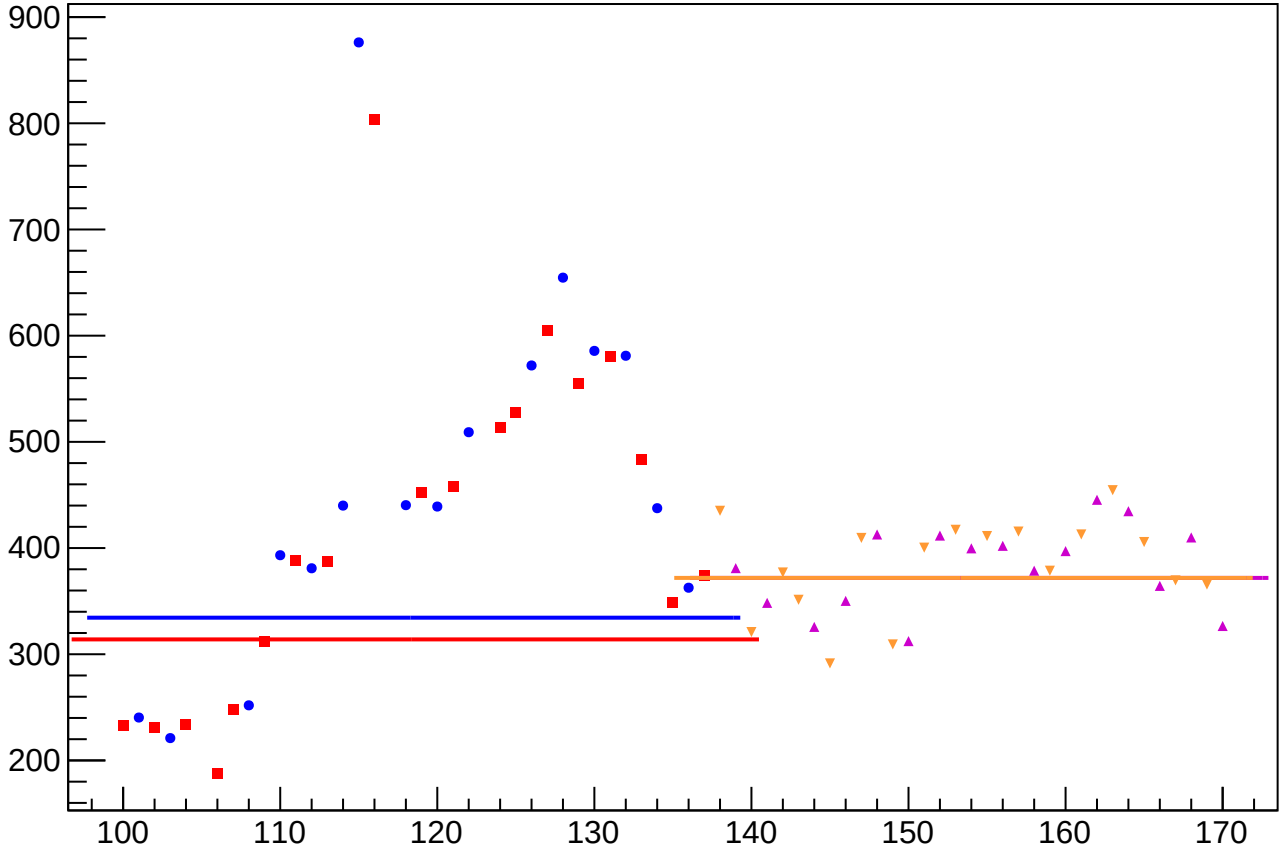
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 447.630+/-102.641 χ²/NDF:16.8/16
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -36.970+/-103.254 χ²/NDF:22.3/15
Left: 206.770+/-72.794 χ²/NDF: 50.1/32
Right: -173.981+/-90.383 χ²/NDF: 27.0/34
In: -55.123+/-81.532 χ²/NDF:36.1/31
Out: 161.897+/-78.886 χ²/NDF:48.2/35
All: 56.965+/-56.693 χ²/NDF: 87.9/67

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: 371.888+/-0.073 χ^2/NDF:428577.5/16

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 371.880+/-0.073 χ^2/NDF:288915.7/15

Left: 371.884+/-0.051 χ^2/NDF: 717493.2/32

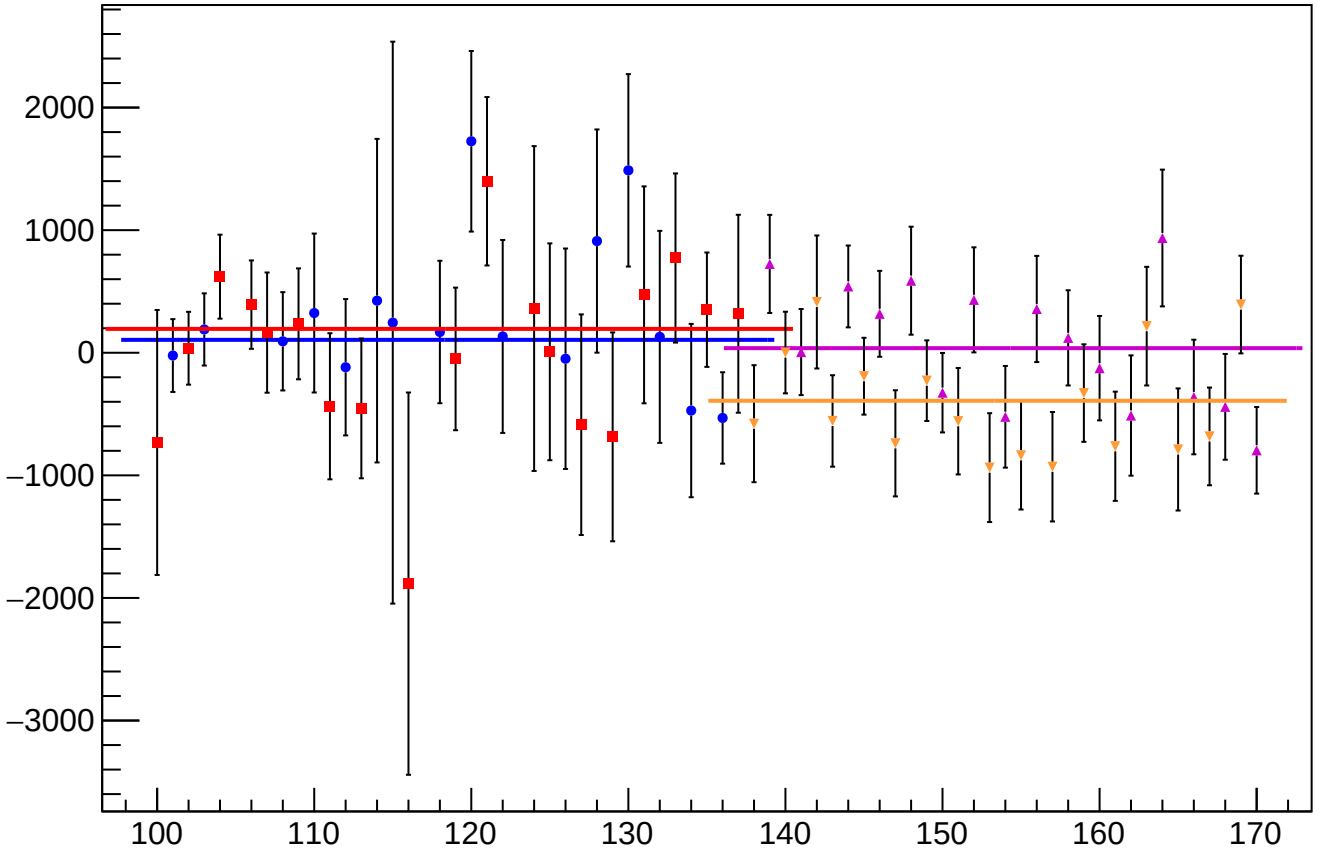
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.781+/-0.058 χ^2/NDF:2118574.3/31

Out: 348.182+/-0.056 χ^2/NDF:2593833.1/35

All: 352.823+/-0.040 χ^2/NDF: 4726726.1/67

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -391.627+/-99.242 χ^2/NDF:16.7/16

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 37.519+/-99.891 χ^2/NDF:23.5/15

Left: -178.453+/-70.403 χ^2/NDF: 49.5/32

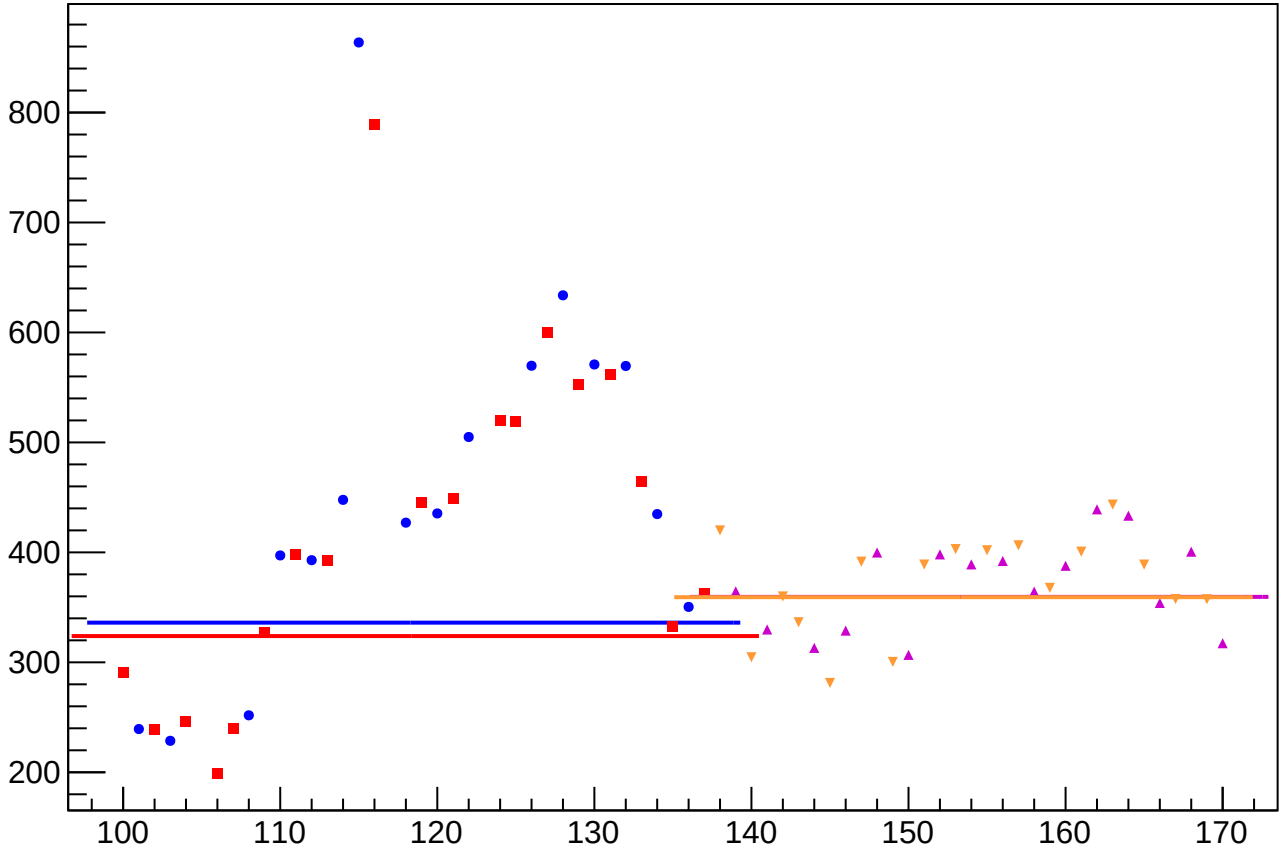
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 61.986+/-79.882 χ^2/NDF:36.6/31

Out: -167.578+/-78.010 χ^2/NDF:43.2/35

All: -55.518+/-55.812 χ^2/NDF: 84.0/67

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.244+/-0.070 χ^2/NDF:448397.6/16

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 359.527+/-0.071 χ^2/NDF:319795.3/15

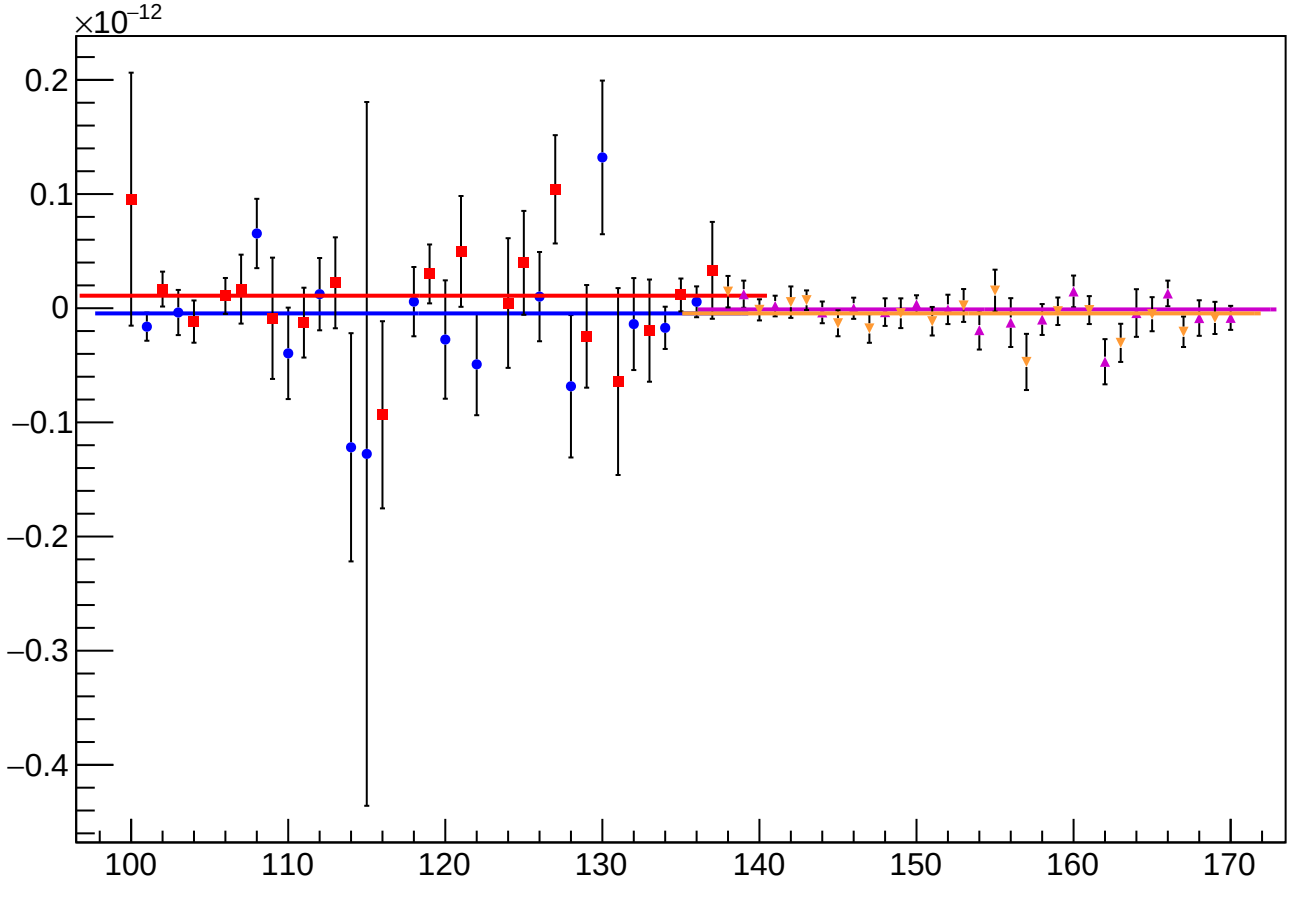
Left: 359.385+/-0.050 χ^2/NDF: 768201.0/32

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.079+/-0.056 χ^2/NDF:1978474.0/31

Out: 345.733+/-0.055 χ^2/NDF:2210831.4/35

All: 348.342+/-0.039 χ^2/NDF: 4193889.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/15

Left: -0.000+/-0.000 χ^2/NDF: 27.9/32

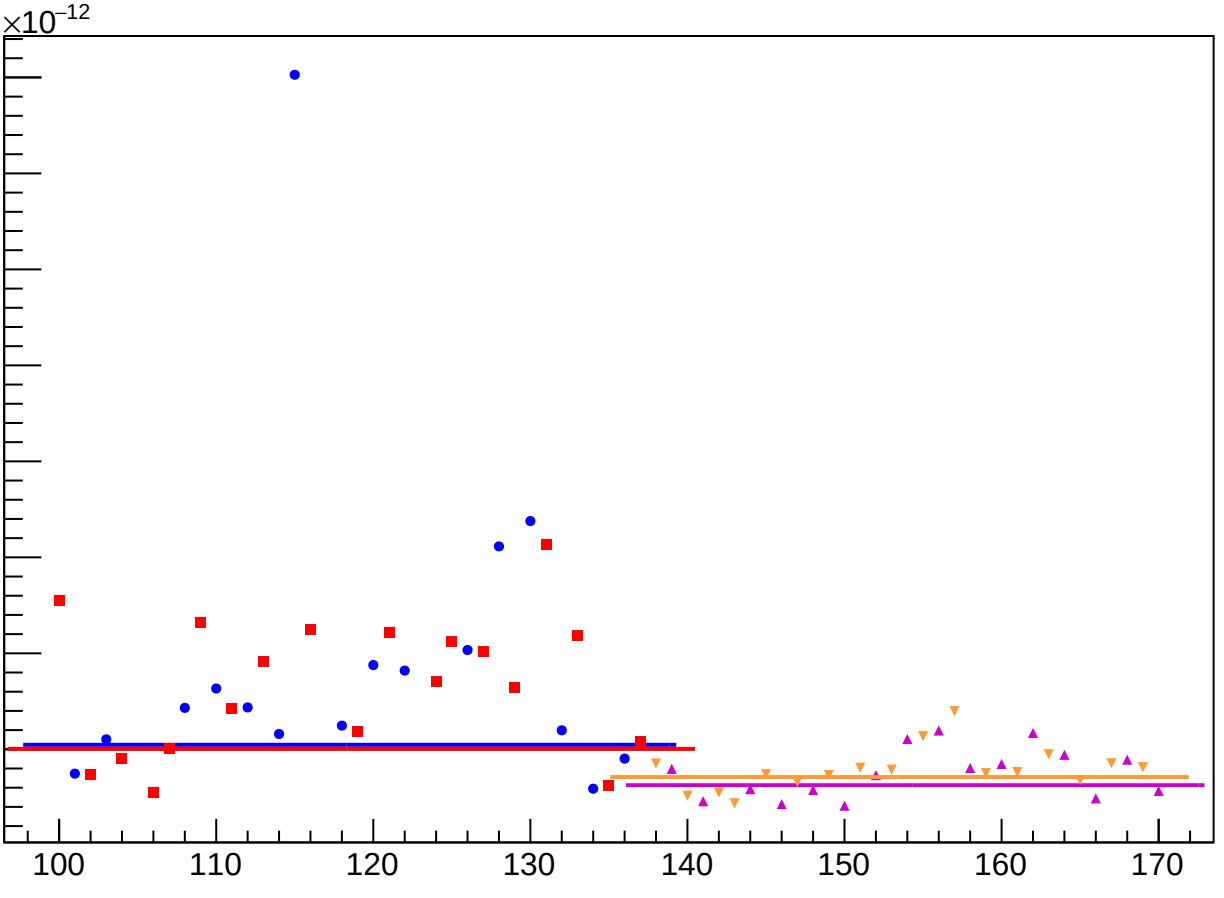
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:29.3/31

Out: -0.000+/-0.000 χ^2/NDF:31.8/35

All: -0.000+/-0.000 χ^2/NDF: 61.1/67

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:707634.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1040533.6/15

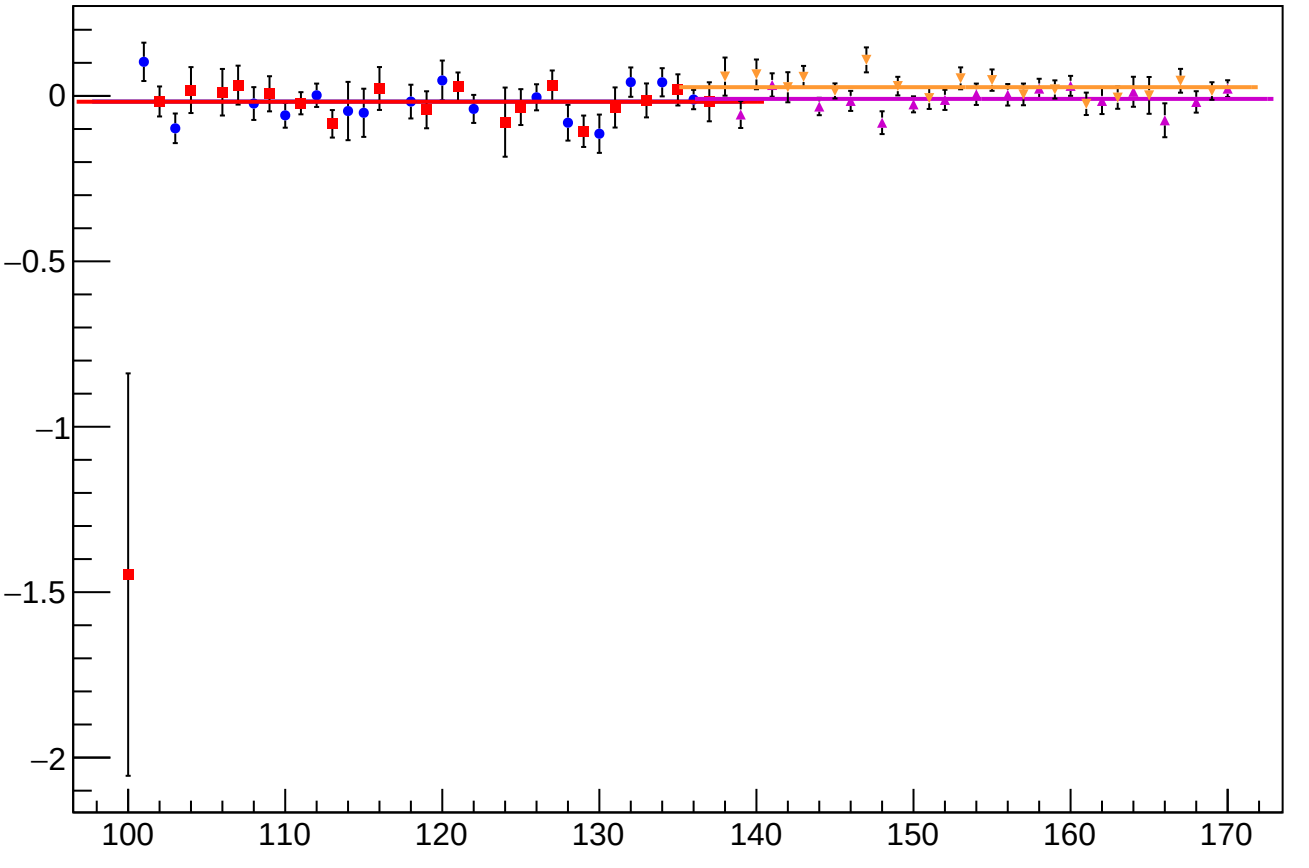
Left: 0.000+/-0.000 χ^2/NDF: 1825953.6/32

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2927249.2/31

Out: 0.000+/-0.000 χ^2/NDF:2462327.6/35

All: 0.000+/-0.000 χ^2/NDF: 5447806.6/67



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.026+/-0.008 χ^2/NDF:13.4/16

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.009+/-0.006 χ^2/NDF: 38.1/32

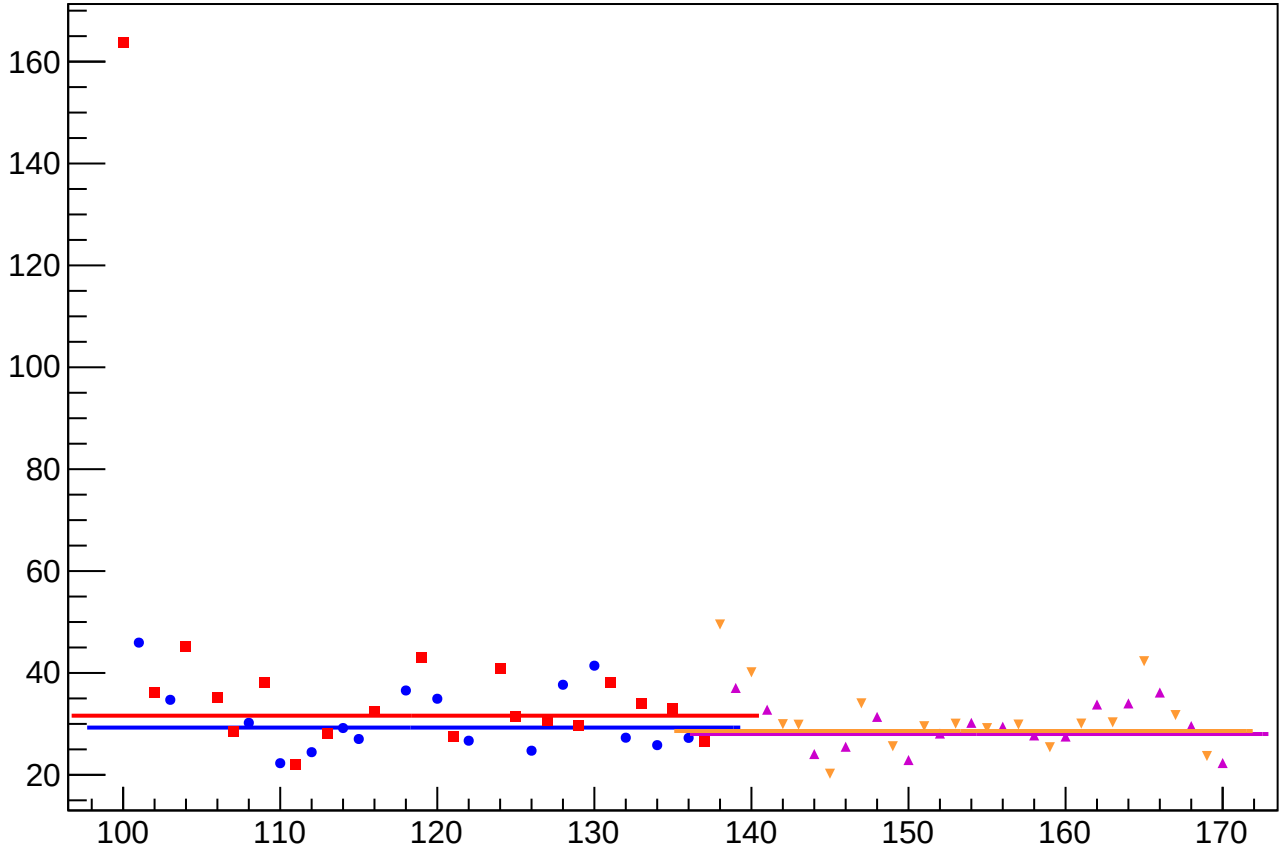
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.013+/-0.007 χ^2/NDF:39.4/35

All: 0.000+/-0.005 χ^2/NDF: 80.4/67

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.606+/-0.006 χ^2/NDF:982754.8/16

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.016+/-0.006 χ^2/NDF:548902.8/15

Left: 28.308+/-0.004 χ^2/NDF: 1537075.6/32

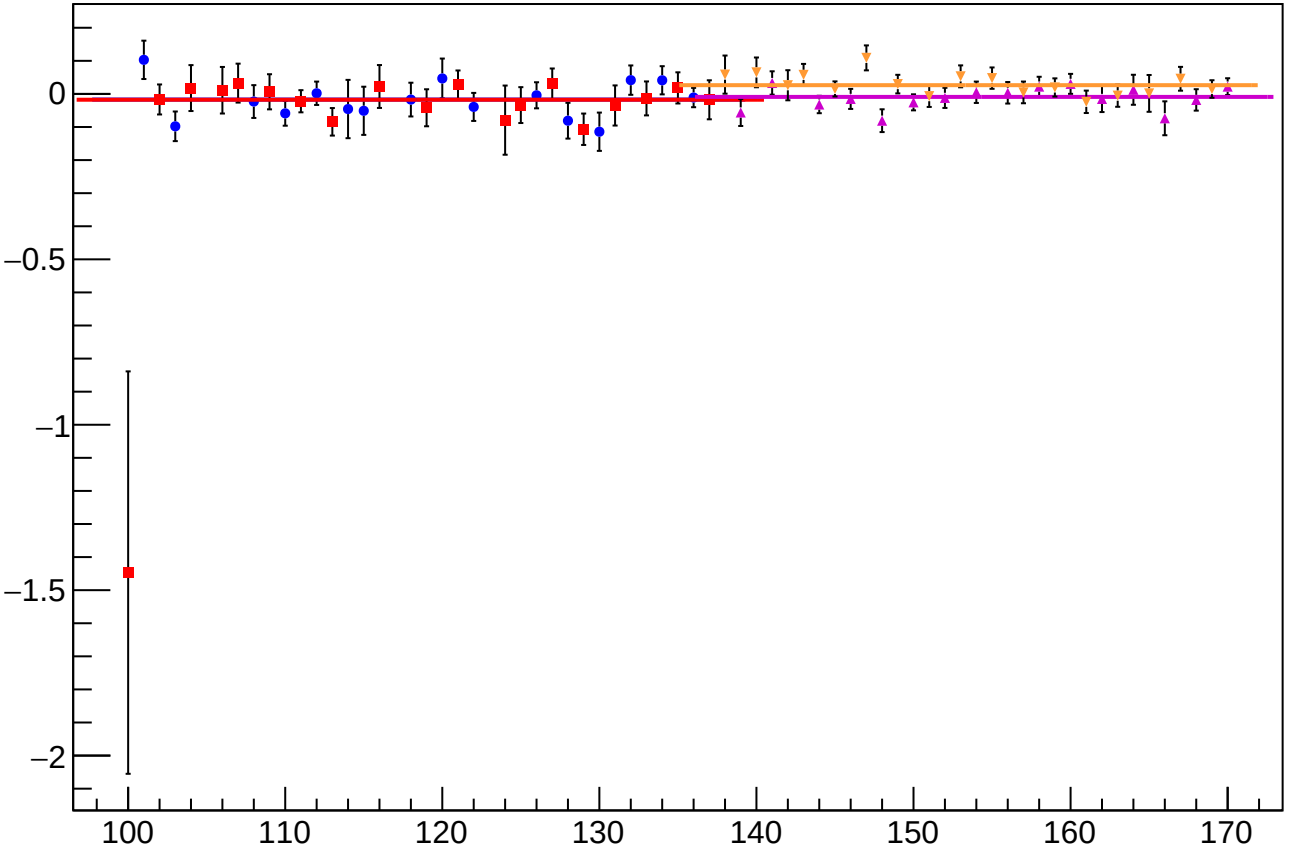
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.433+/-0.005 χ^2/NDF:1126141.1/31

Out: 29.529+/-0.005 χ^2/NDF:1640563.1/35

All: 28.966+/-0.003 χ^2/NDF: 2794156.1/67

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: 0.026+/-0.008 χ^2/NDF:13.4/16

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.009+/-0.006 χ^2/NDF: 38.1/32

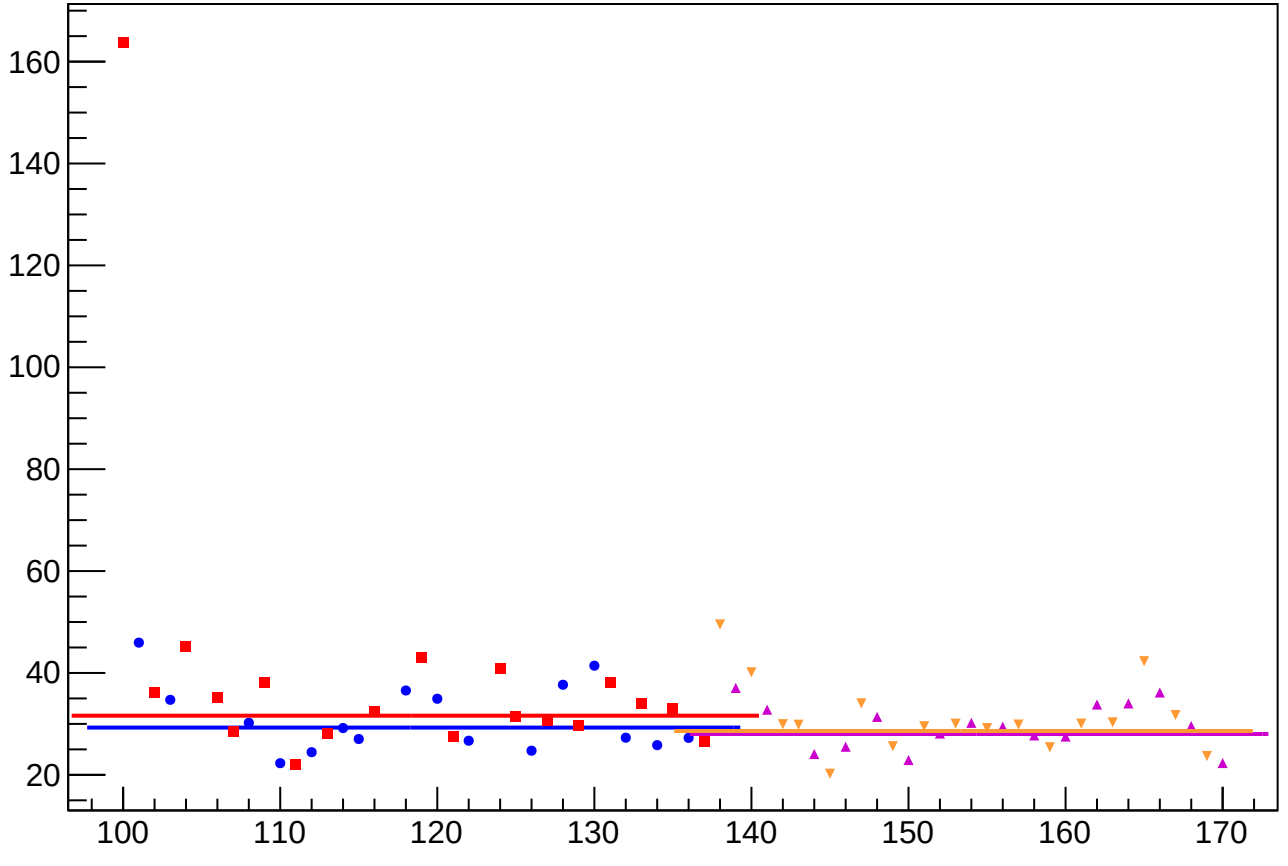
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.013+/-0.007 χ^2/NDF:39.4/35

All: 0.000+/-0.005 χ^2/NDF: 80.4/67

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.606+/-0.006 χ^2/NDF:982754.8/16

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.016+/-0.006 χ^2/NDF:548902.8/15

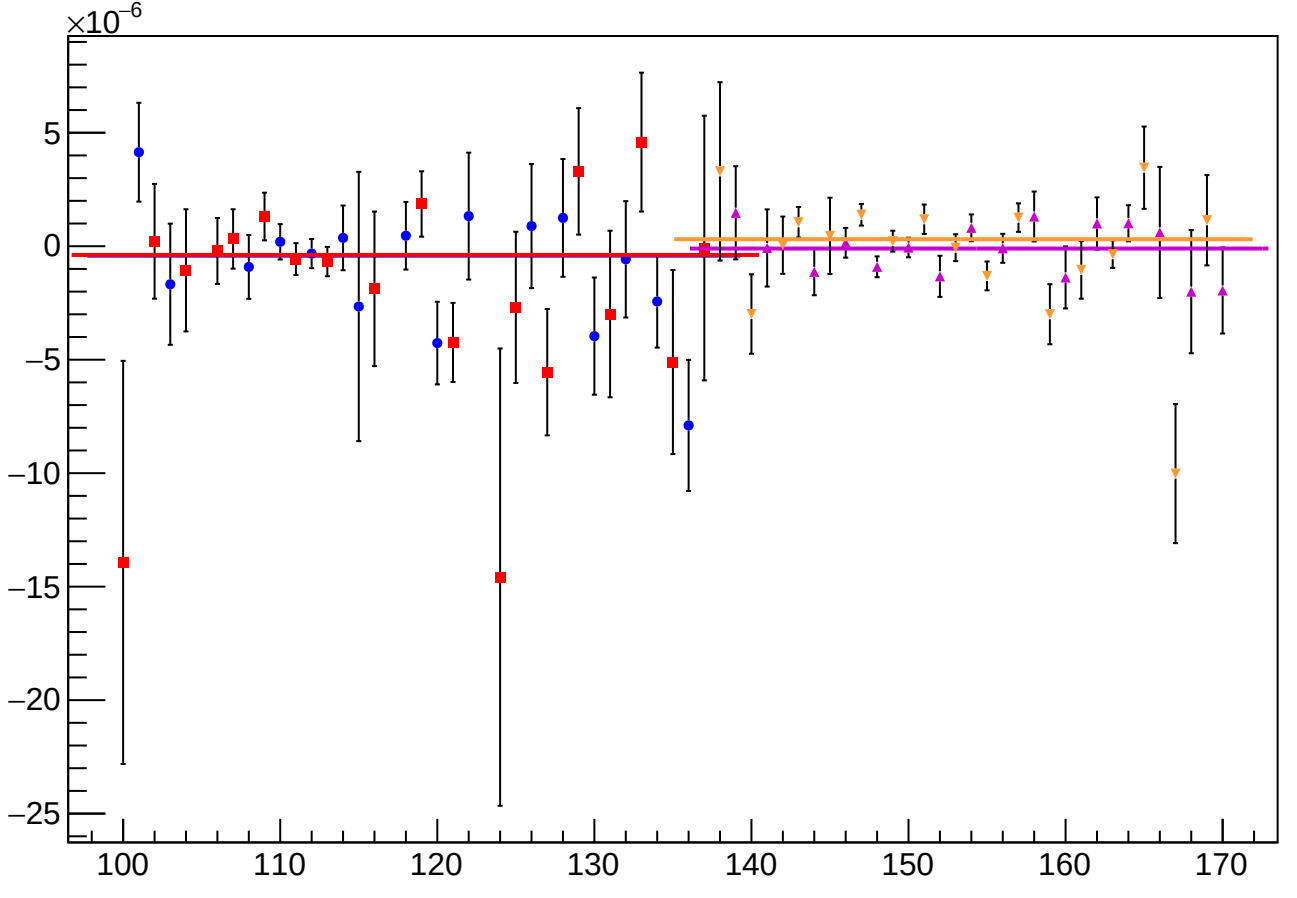
Left: 28.308+/-0.004 χ^2/NDF: 1537075.6/32

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.433+/-0.005 χ^2/NDF:1126141.1/31

Out: 29.529+/-0.005 χ^2/NDF:1640563.1/35

All: 28.966+/-0.003 χ^2/NDF: 2794156.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/15

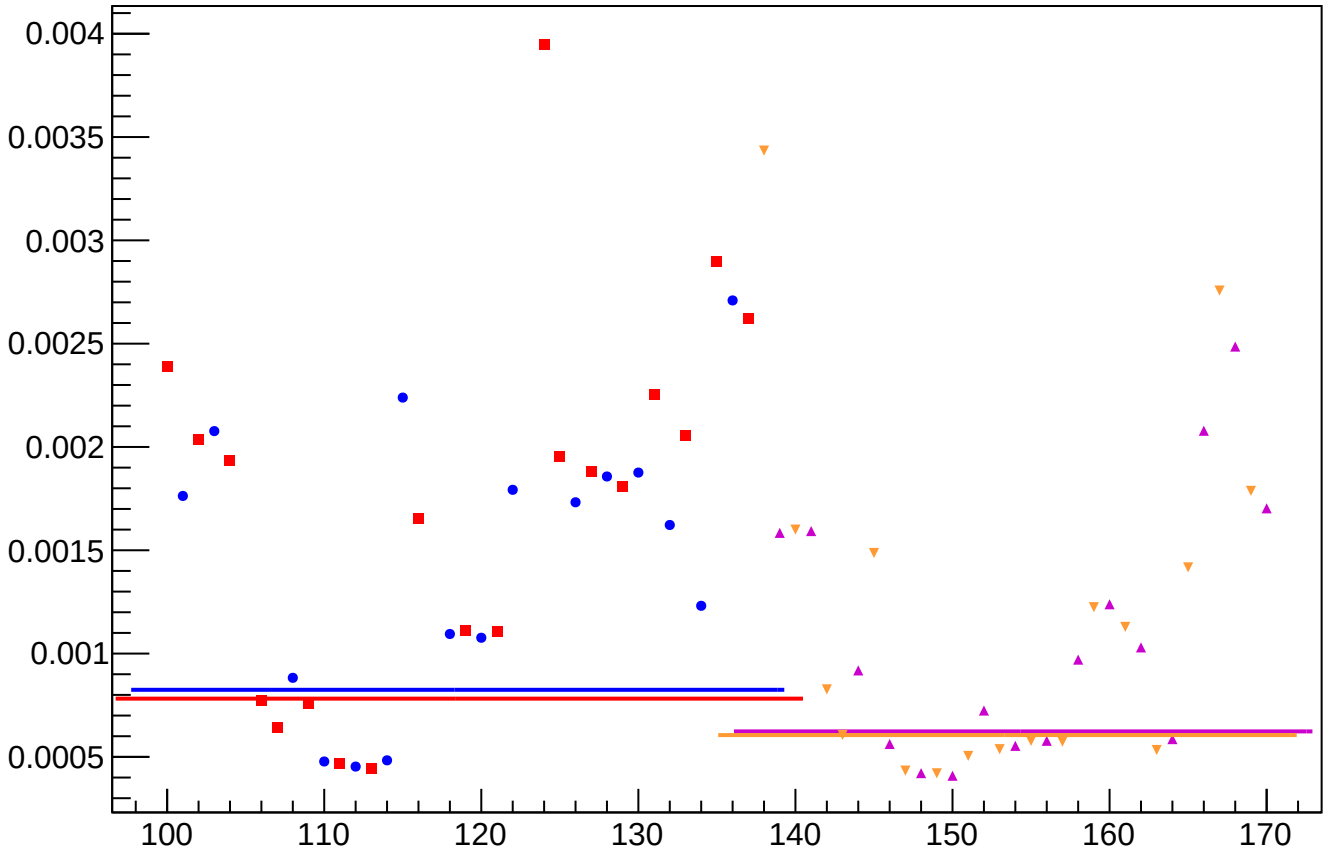
Left: 0.000+/-0.000 χ^2/NDF: 62.8/32

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:37.7/31

Out: 0.000+/-0.000 χ^2/NDF:73.0/35

All: -0.000+/-0.000 χ^2/NDF: 112.5/67



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5858833.1/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5171735.0/15

Left: 0.001+/-0.000 χ^2/NDF: 11038790.8/32

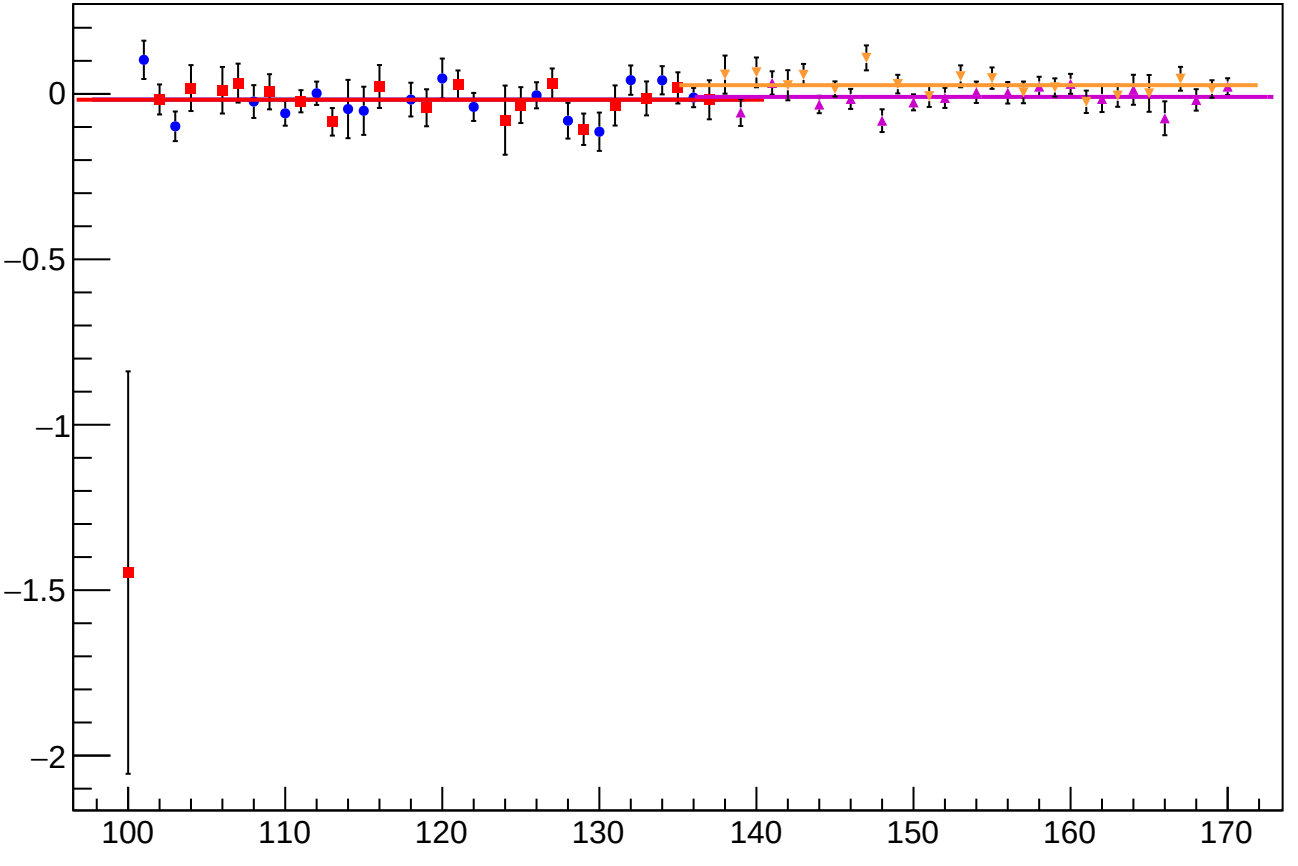
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:10076638.4/31

Out: 0.001+/-0.000 χ^2/NDF:10891448.5/35

All: 0.001+/-0.000 χ^2/NDF: 20985926.8/67

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: 0.026+/-0.008 χ^2/NDF:13.4/16

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.009+/-0.006 χ^2/NDF: 38.1/32

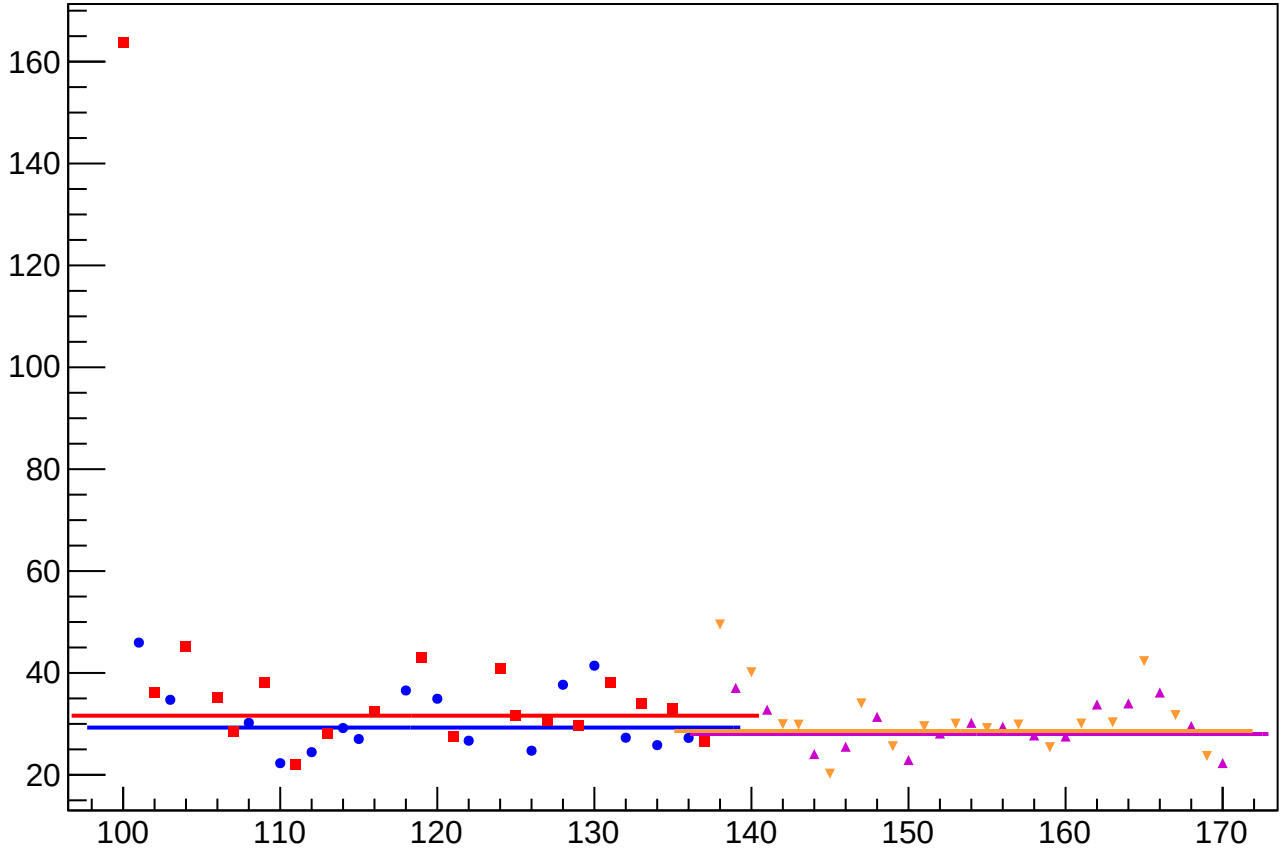
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.013+/-0.007 χ^2/NDF:39.4/35

All: 0.000+/-0.005 χ^2/NDF: 80.4/67

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.605+/-0.006 χ^2/NDF:982828.7/16

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.015+/-0.006 χ^2/NDF:548900.9/15

Left: 28.307+/-0.004 χ^2/NDF: 1537146.2/32

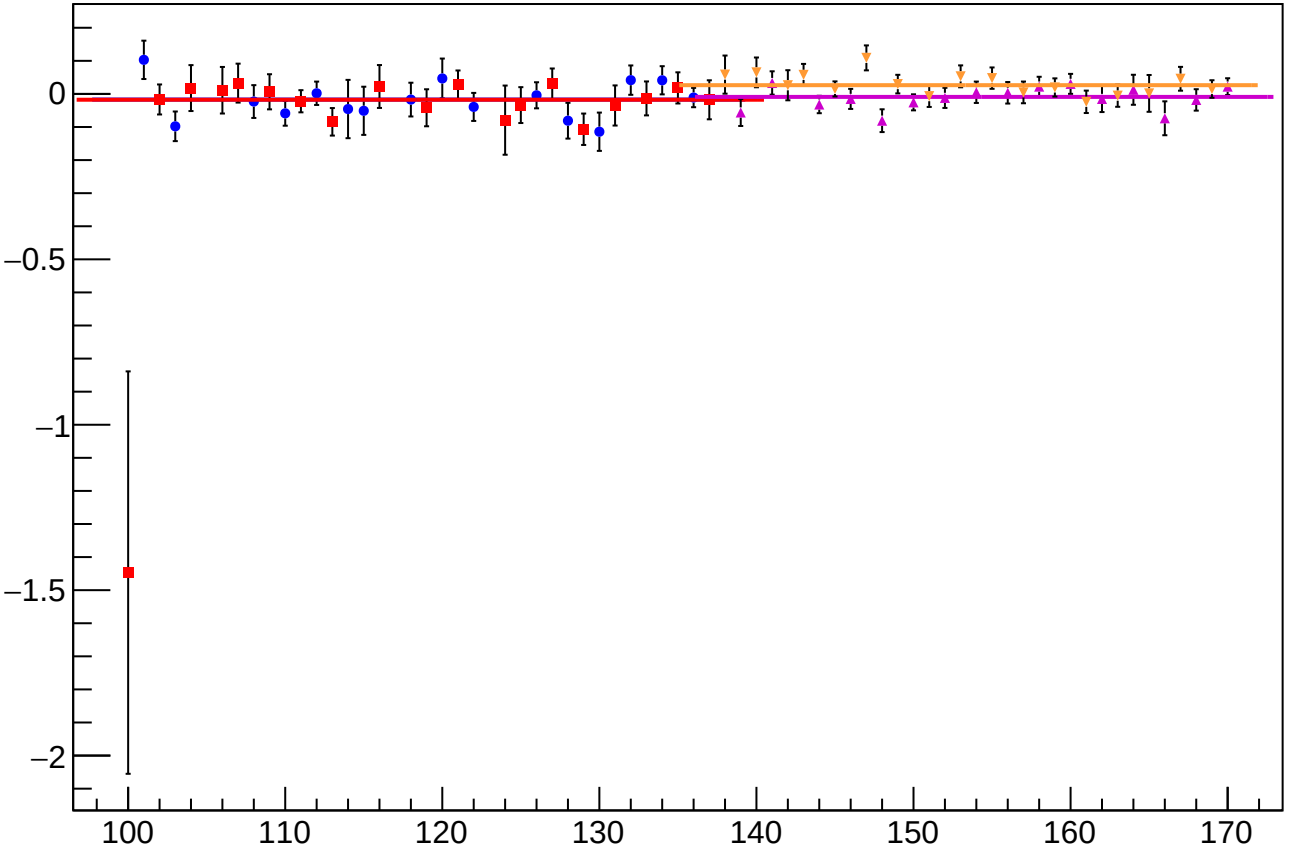
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.433+/-0.005 χ^2/NDF:1126146.9/31

Out: 29.529+/-0.005 χ^2/NDF:1640663.4/35

All: 28.966+/-0.003 χ^2/NDF: 2794260.5/67

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: 0.026+/-0.008 χ^2/NDF:13.4/16

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.009+/-0.006 χ^2/NDF: 38.1/32

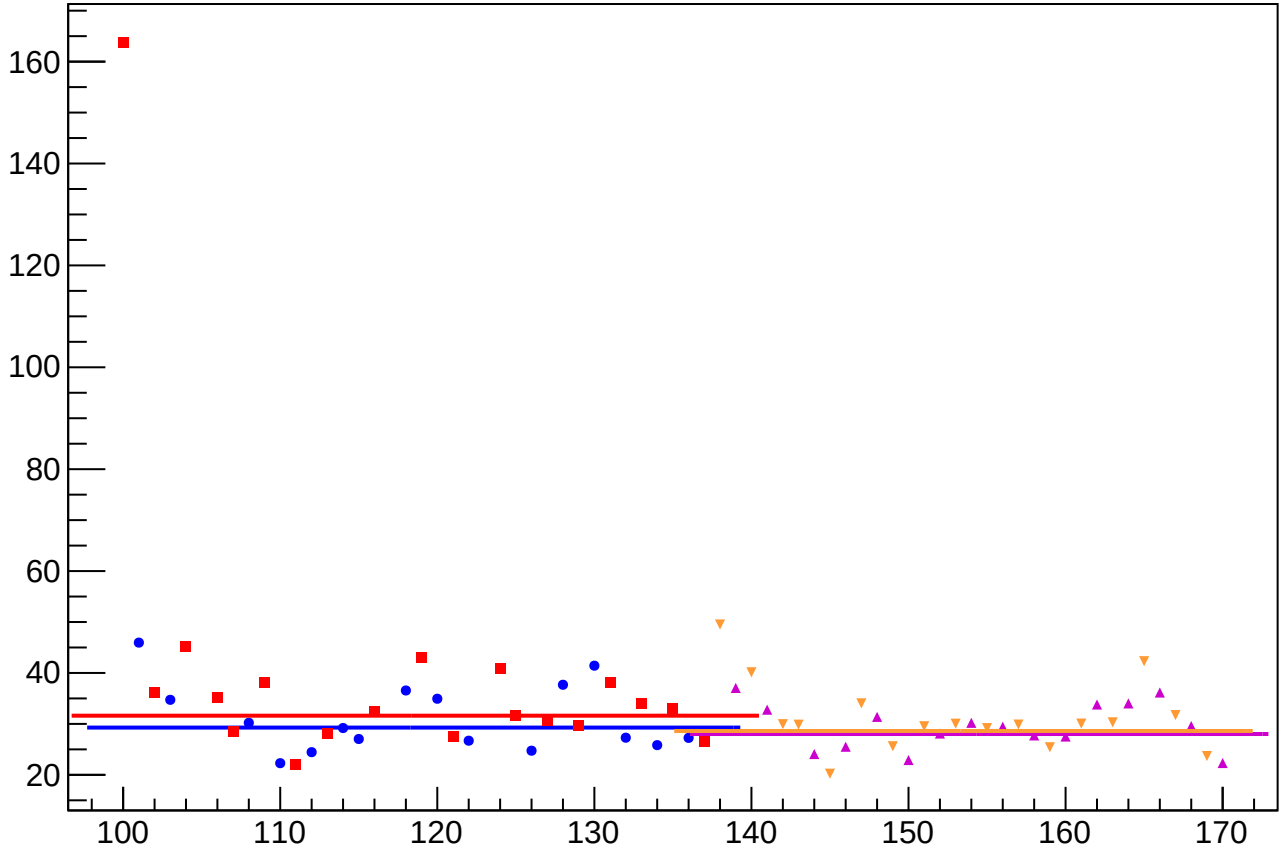
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.013+/-0.007 χ^2/NDF:39.4/35

All: 0.000+/-0.005 χ^2/NDF: 80.4/67

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.605+/-0.006 χ^2/NDF:982828.7/16

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.015+/-0.006 χ^2/NDF:548900.9/15

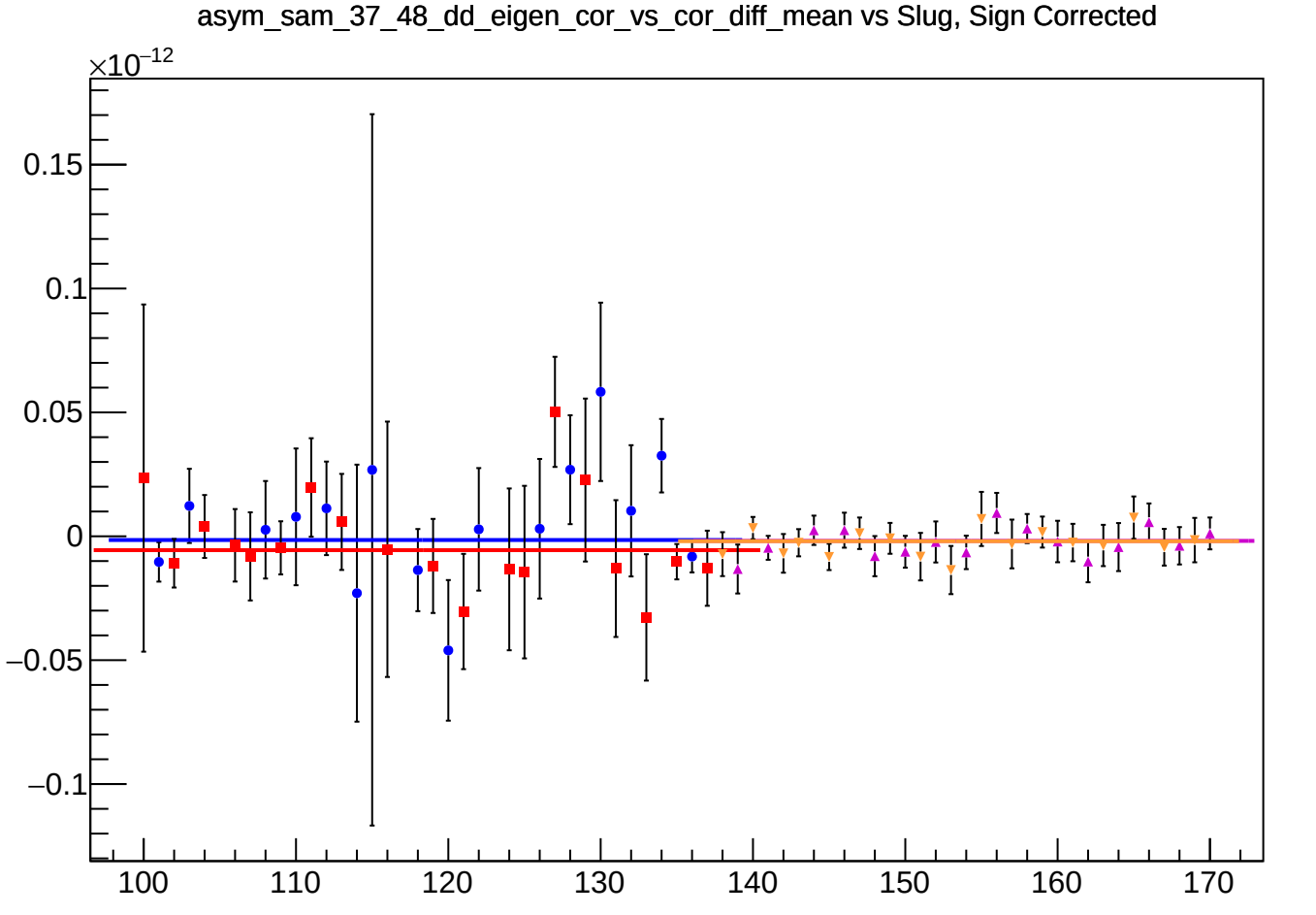
Left: 28.307+/-0.004 χ^2/NDF: 1537146.2/32

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

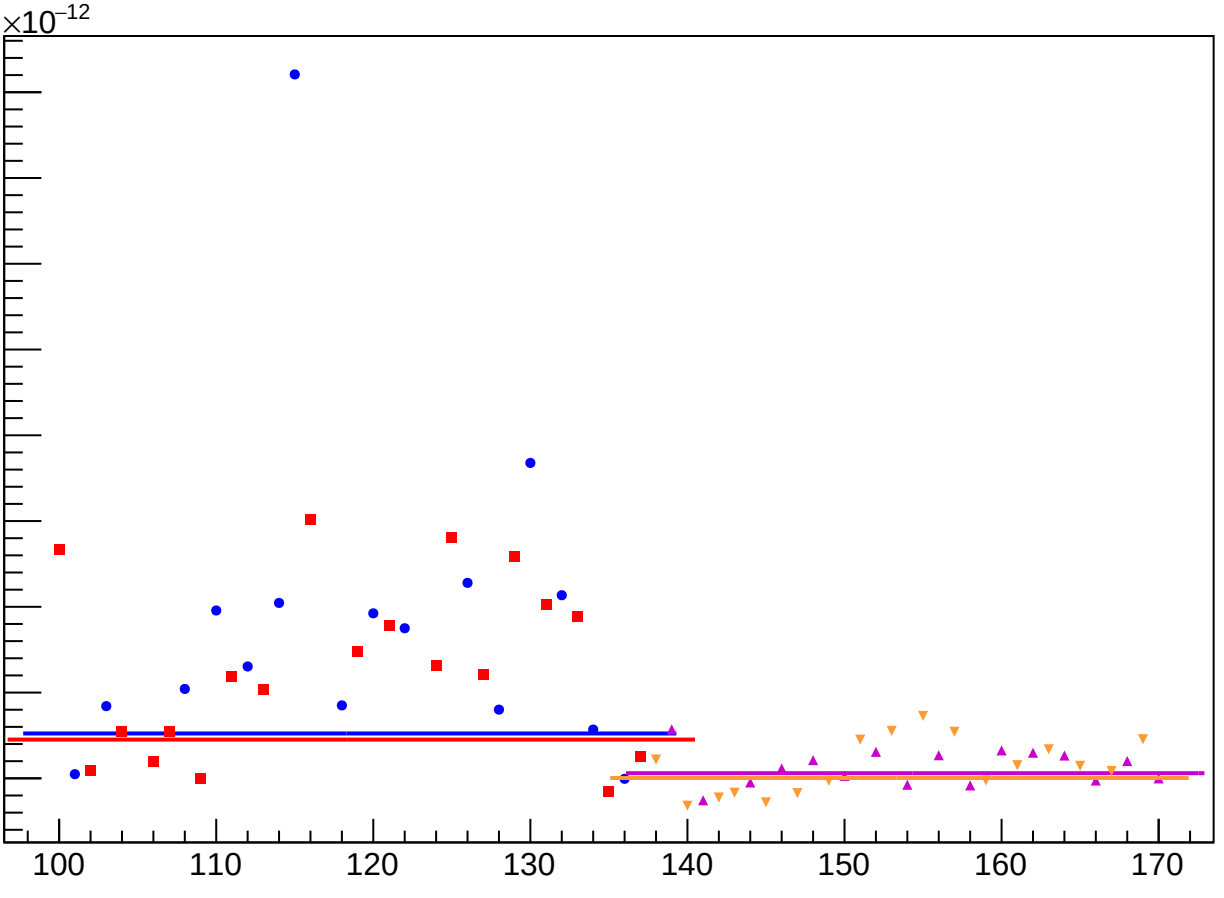
In: 28.433+/-0.005 χ^2/NDF:1126146.9/31

Out: 29.529+/-0.005 χ^2/NDF:1640663.4/35

All: 28.966+/-0.003 χ^2/NDF: 2794260.5/67


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:8.1/16
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/15
Left: -0.000+/-0.000 χ²/NDF: 17.2/32
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:26.0/31
Out: -0.000+/-0.000 χ²/NDF:22.3/35
All: -0.000+/-0.000 χ²/NDF: 48.4/67

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:1448847.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:656501.0/15

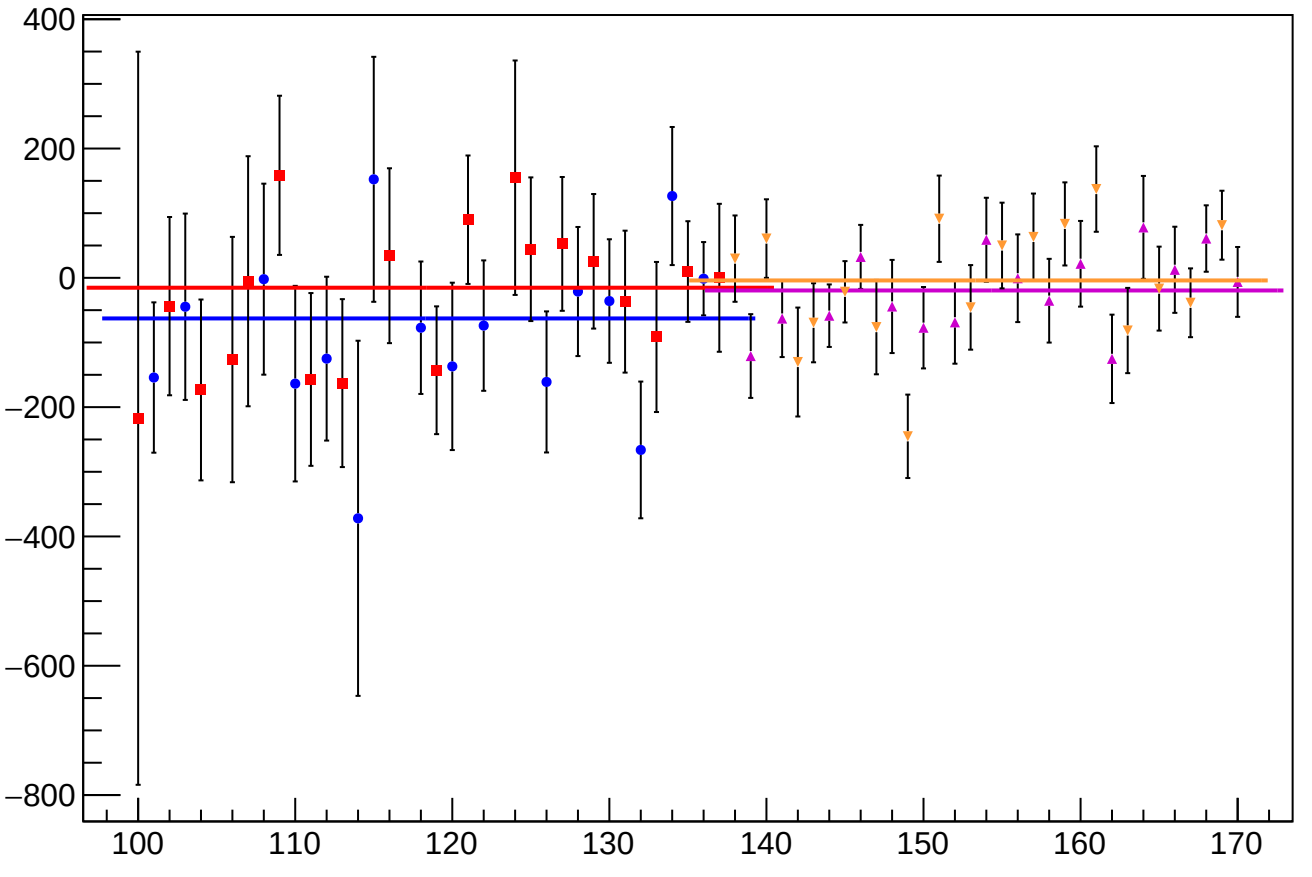
Left: 0.000+/-0.000 χ^2/NDF: 2131182.4/32

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

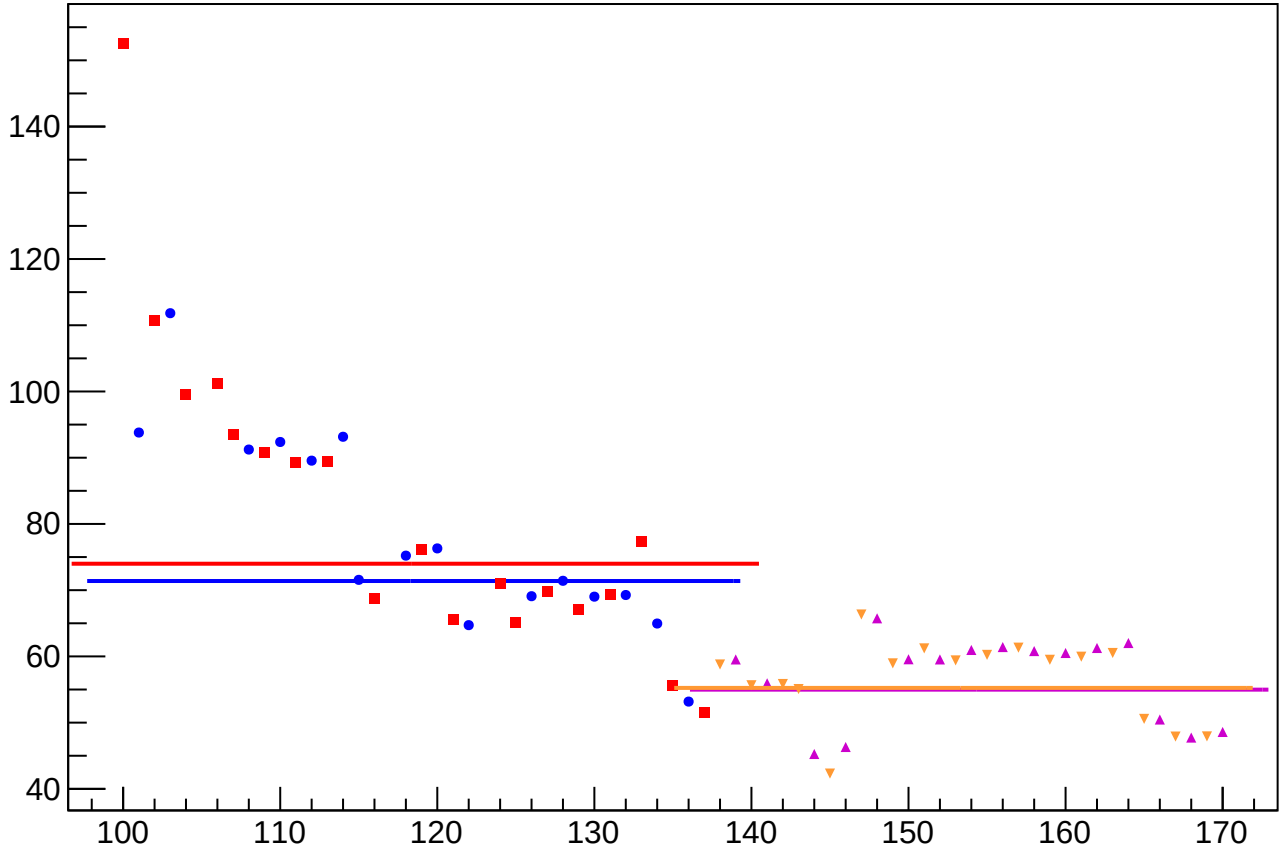
In: 0.000+/-0.000 χ^2/NDF:3282352.8/31

Out: 0.000+/-0.000 χ^2/NDF:4063585.8/35

All: 0.000+/-0.000 χ^2/NDF: 7377944.7/67


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: -4.031+/-15.203 χ²/NDF:34.8/16
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -19.540+/-15.279 χ²/NDF:14.9/15
Left: -11.747+/-10.777 χ²/NDF: 50.2/32
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -29.908+/-13.323 χ²/NDF:30.3/31
Out: -6.627+/-13.336 χ²/NDF:46.4/35
All: -18.279+/-9.425 χ²/NDF: 78.2/67

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.243+/-0.011 χ^2/NDF:376861.2/16

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

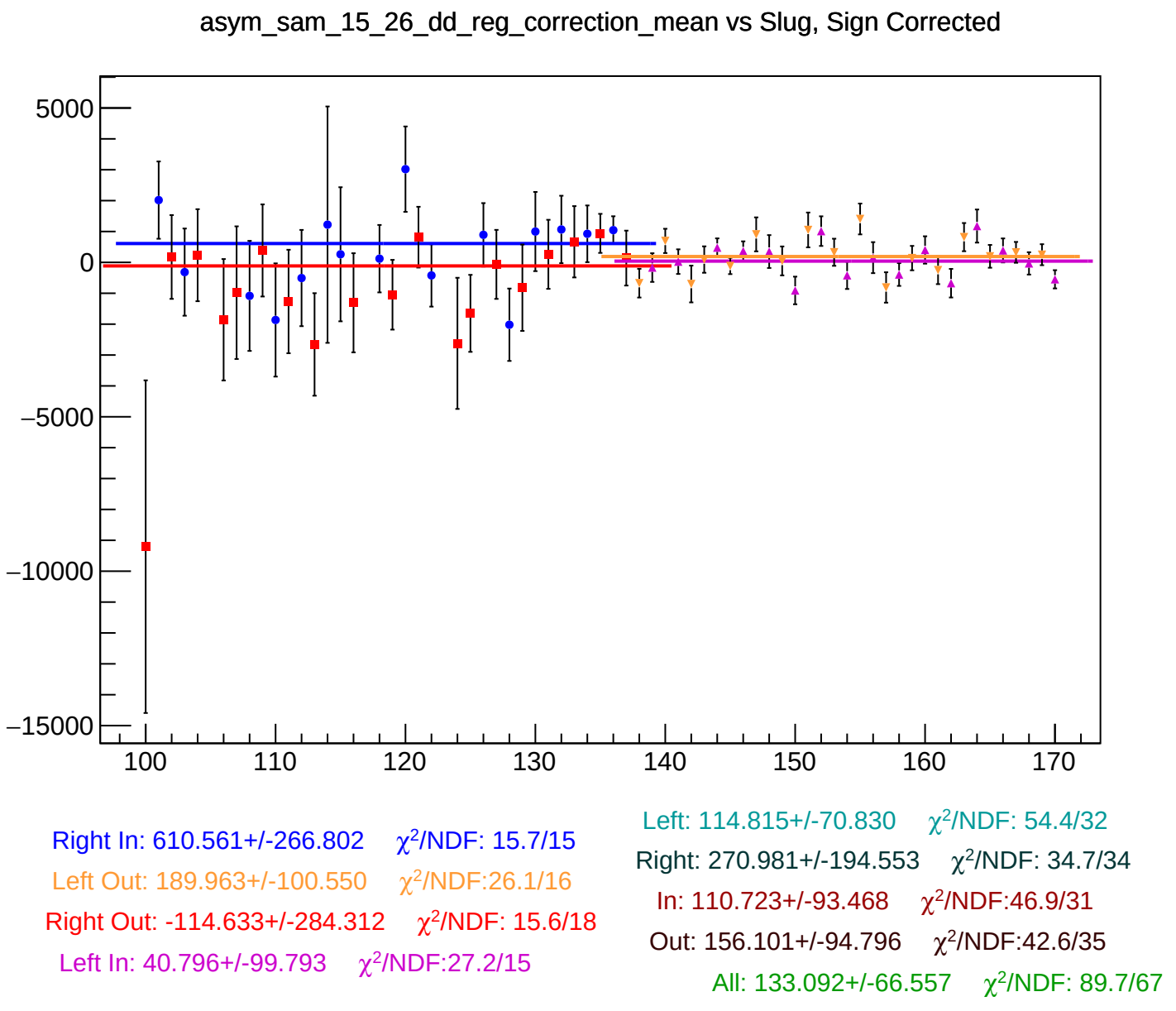
Left: 55.112+/-0.008 χ^2/NDF: 769497.4/32

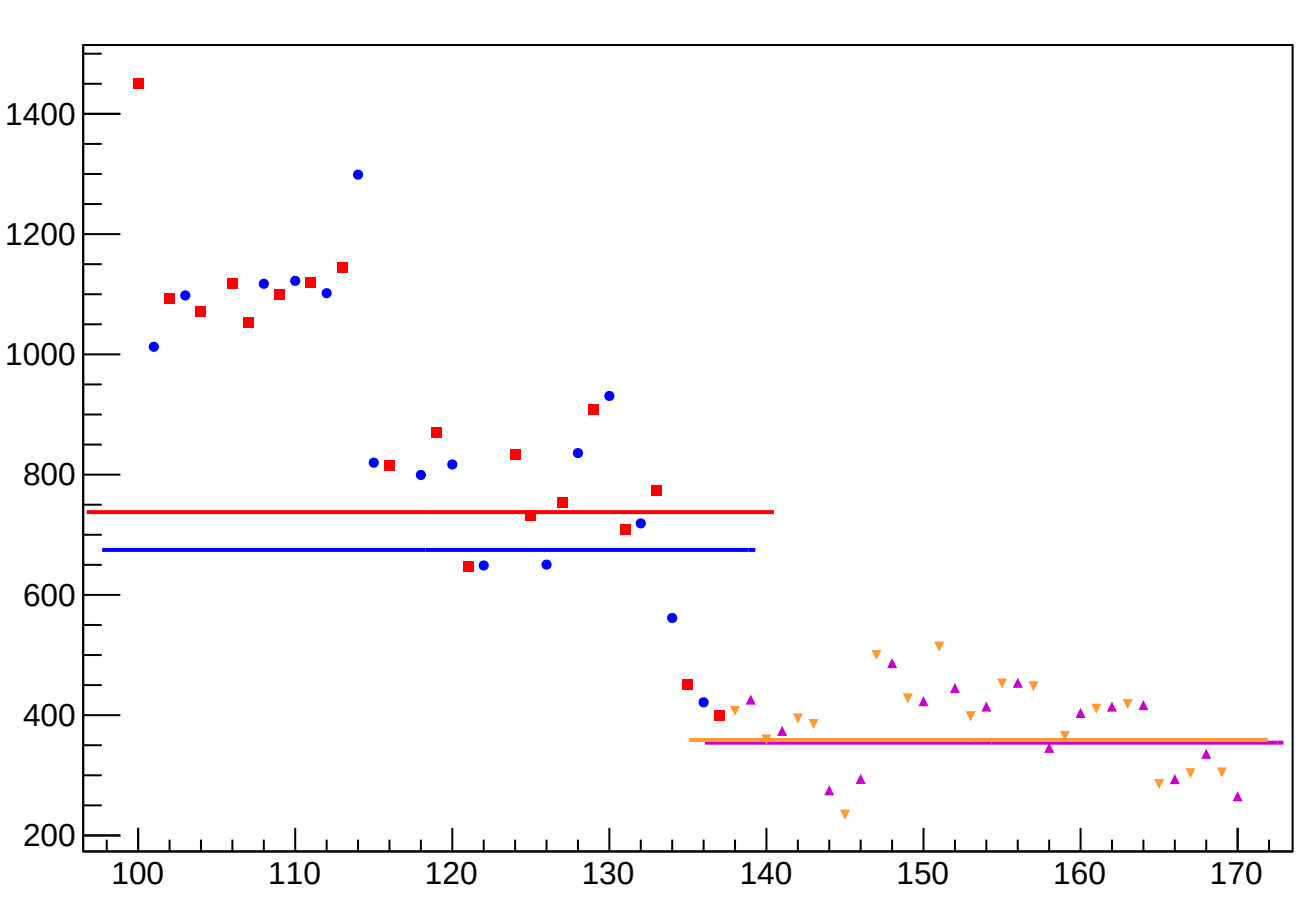
Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 58.912+/-0.009 χ^2/NDF:1535738.6/31

Out: 59.567+/-0.009 χ^2/NDF:1716865.9/35

All: 59.239+/-0.007 χ^2/NDF: 3255022.4/67


asym_sam_15_26_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.561+/-266.802 χ²/NDF: 15.7/15
Left Out: 189.963+/-100.550 χ²/NDF:26.1/16
Right Out: -114.633+/-284.312 χ²/NDF: 15.6/18
Left In: 40.796+/-99.793 χ²/NDF:27.2/15
Left: 114.815+/-70.830 χ²/NDF: 54.4/32
Right: 270.981+/-194.553 χ²/NDF: 34.7/34
In: 110.723+/-93.468 χ²/NDF:46.9/31
Out: 156.101+/-94.796 χ²/NDF:42.6/35
All: 133.092+/-66.557 χ²/NDF: 89.7/67



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 358.708+/-0.071 χ^2/NDF:1203611.0/16

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 354.264+/-0.071 χ^2/NDF:946879.7/15

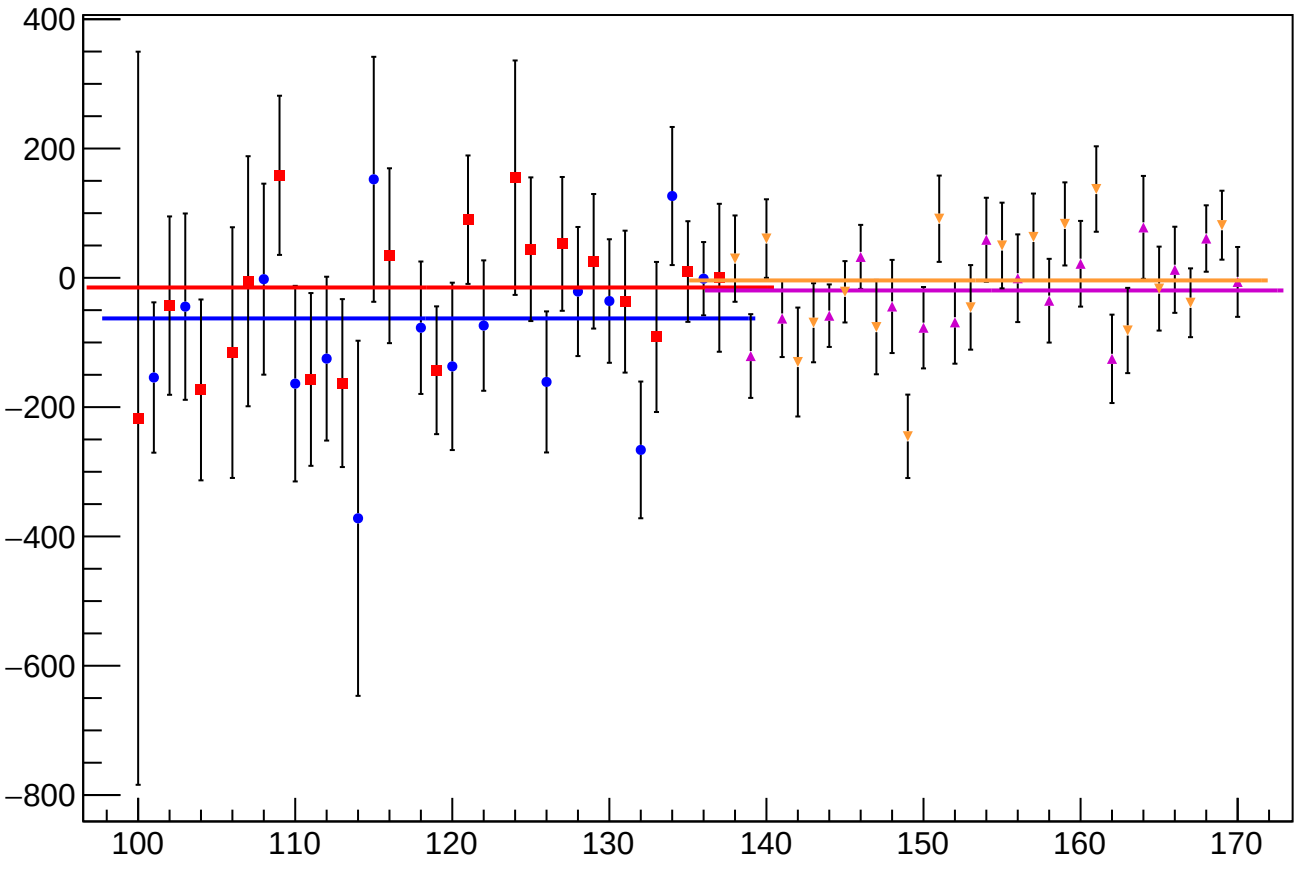
Left: 356.469+/-0.050 χ^2/NDF: 2152458.7/32

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

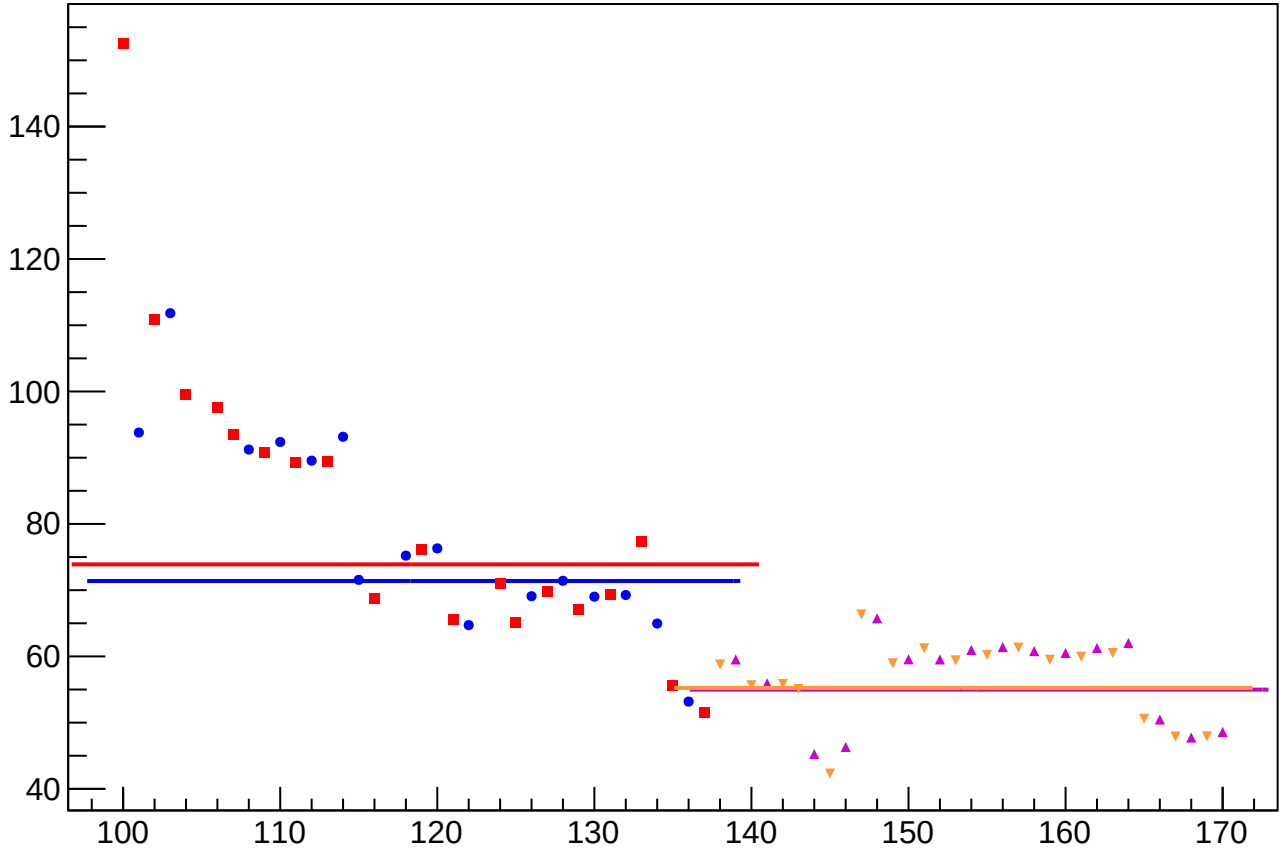
In: 393.608+/-0.066 χ^2/NDF:5097386.5/31

Out: 400.838+/-0.067 χ^2/NDF:5878697.5/35

All: 397.172+/-0.047 χ^2/NDF: 10981984.4/67


cor_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: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: -4.030+/-15.203 χ²/NDF:34.8/16
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -19.542+/-15.279 χ²/NDF:14.9/15
Left: -11.748+/-10.777 χ²/NDF: 50.2/32
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -29.907+/-13.323 χ²/NDF:30.3/31
Out: -6.542+/-13.337 χ²/NDF:46.3/35
All: -18.237+/-9.426 χ²/NDF: 78.2/67

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.243+/-0.011 χ^2/NDF:376861.2/16

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

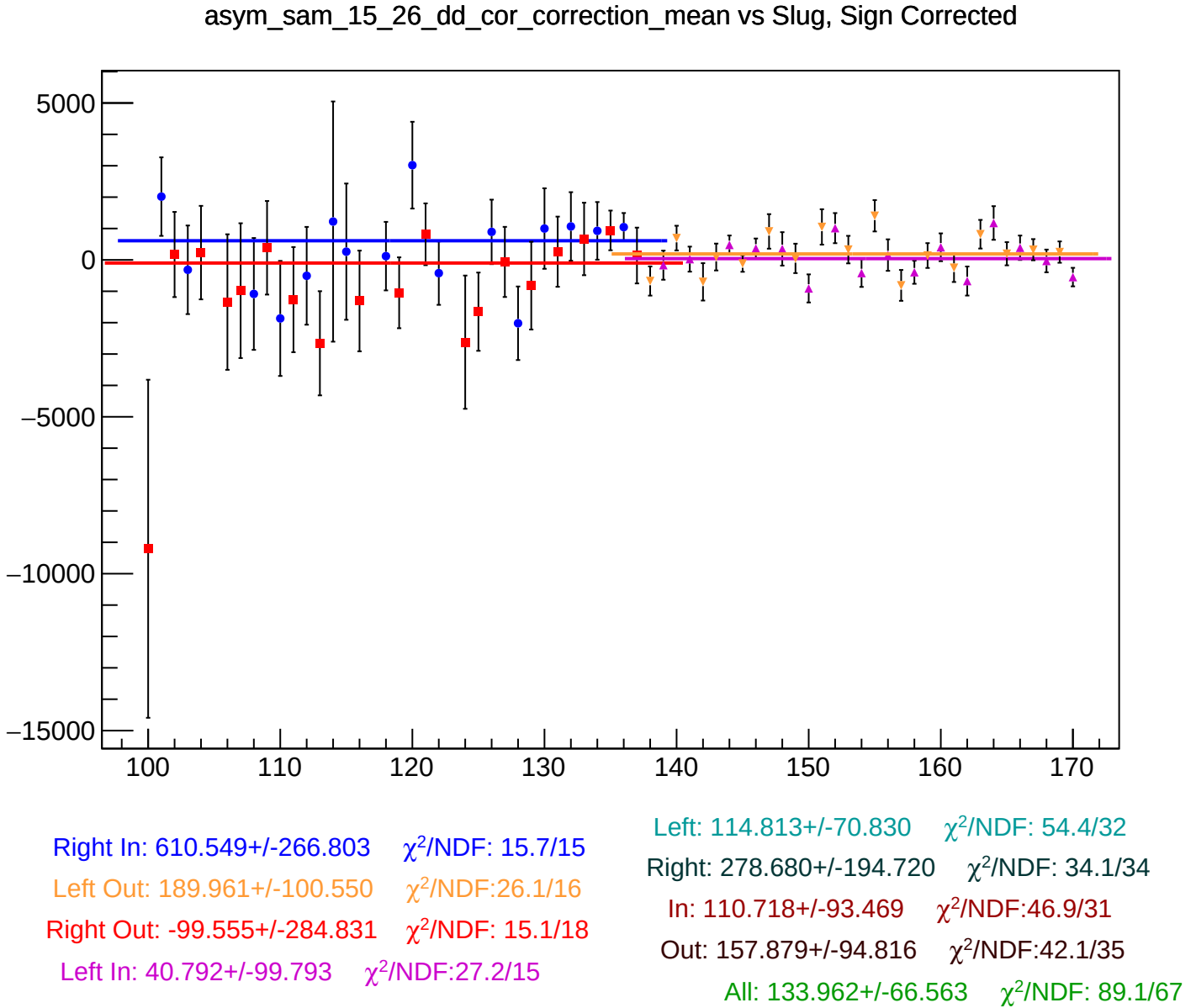
Left: 55.112+/-0.008 χ^2/NDF: 769497.4/32

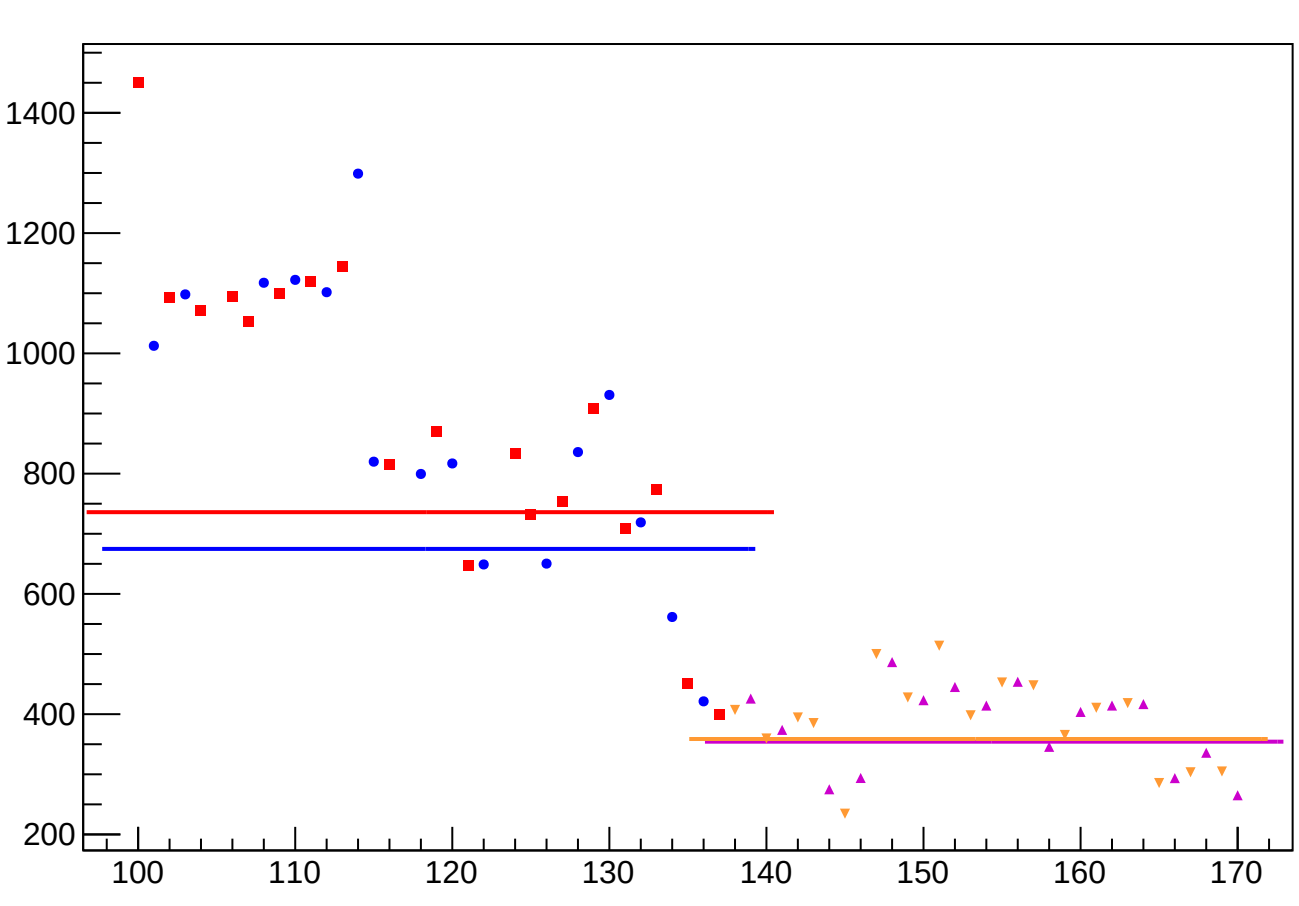
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.912+/-0.009 χ^2/NDF:1535741.2/31

Out: 59.541+/-0.009 χ^2/NDF:1697481.4/35

All: 59.226+/-0.007 χ^2/NDF: 3235451.1/67


asym_sam_15_26_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.549+/-266.803 χ²/NDF: 15.7/15
Left Out: 189.961+/-100.550 χ²/NDF:26.1/16
Right Out: -99.555+/-284.831 χ²/NDF: 15.1/18
Left In: 40.792+/-99.793 χ²/NDF:27.2/15
Left: 114.813+/-70.830 χ²/NDF: 54.4/32
Right: 278.680+/-194.720 χ²/NDF: 34.1/34
In: 110.718+/-93.469 χ²/NDF:46.9/31
Out: 157.879+/-94.816 χ²/NDF:42.1/35
All: 133.962+/-66.563 χ²/NDF: 89.1/67



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 358.708+/-0.071 χ^2/NDF:1203615.5/16

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 354.264+/-0.071 χ^2/NDF:946885.5/15

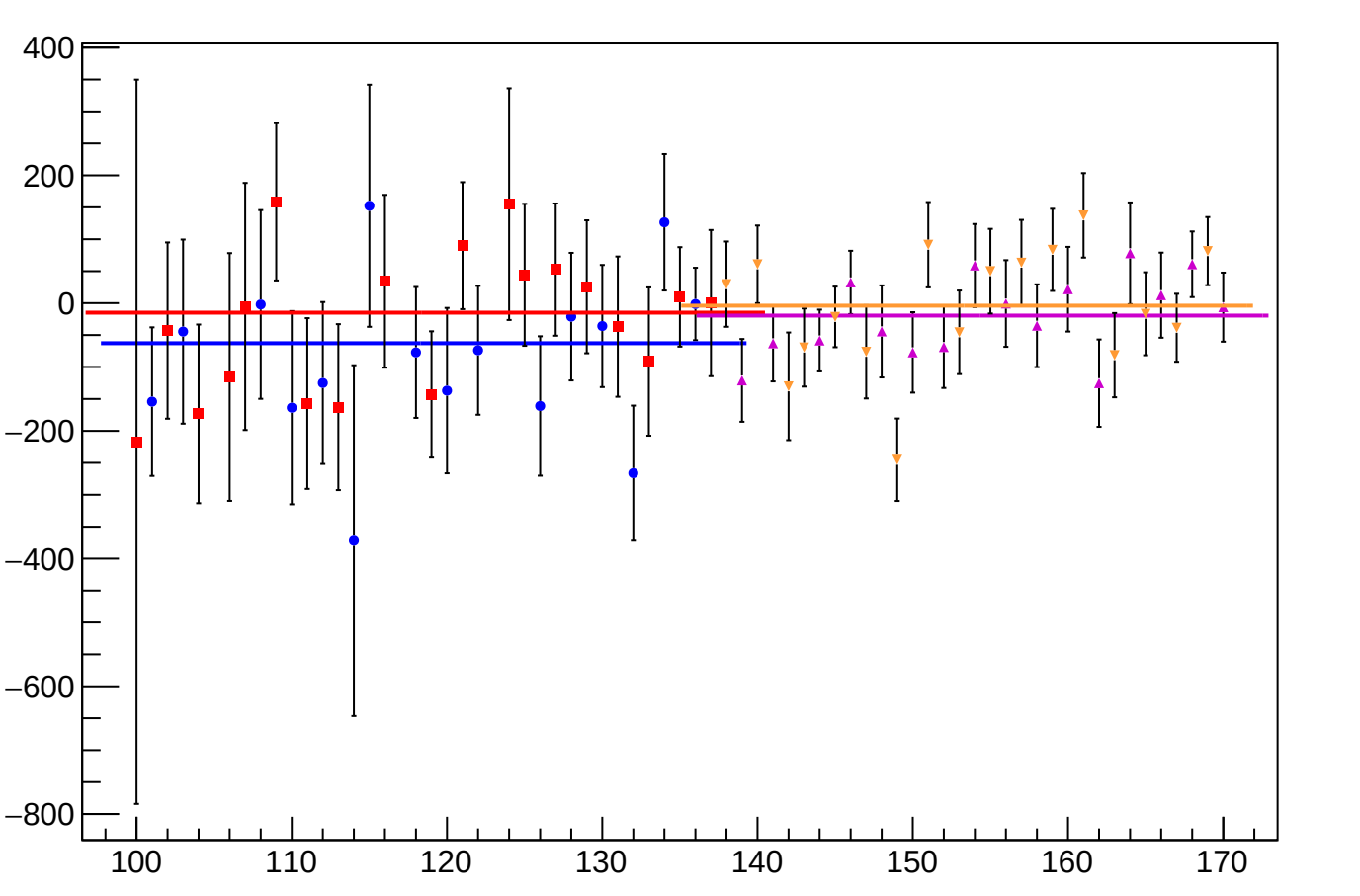
Left: 356.469+/-0.050 χ^2/NDF: 2152468.9/32

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 393.608+/-0.066 χ^2/NDF:5097414.4/31

Out: 400.507+/-0.067 χ^2/NDF:5819616.6/35

All: 397.008+/-0.047 χ^2/NDF: 10922402.6/67



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -4.030+/-15.203 χ^2/NDF:34.8/16

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -19.542+/-15.279 χ^2/NDF:14.9/15

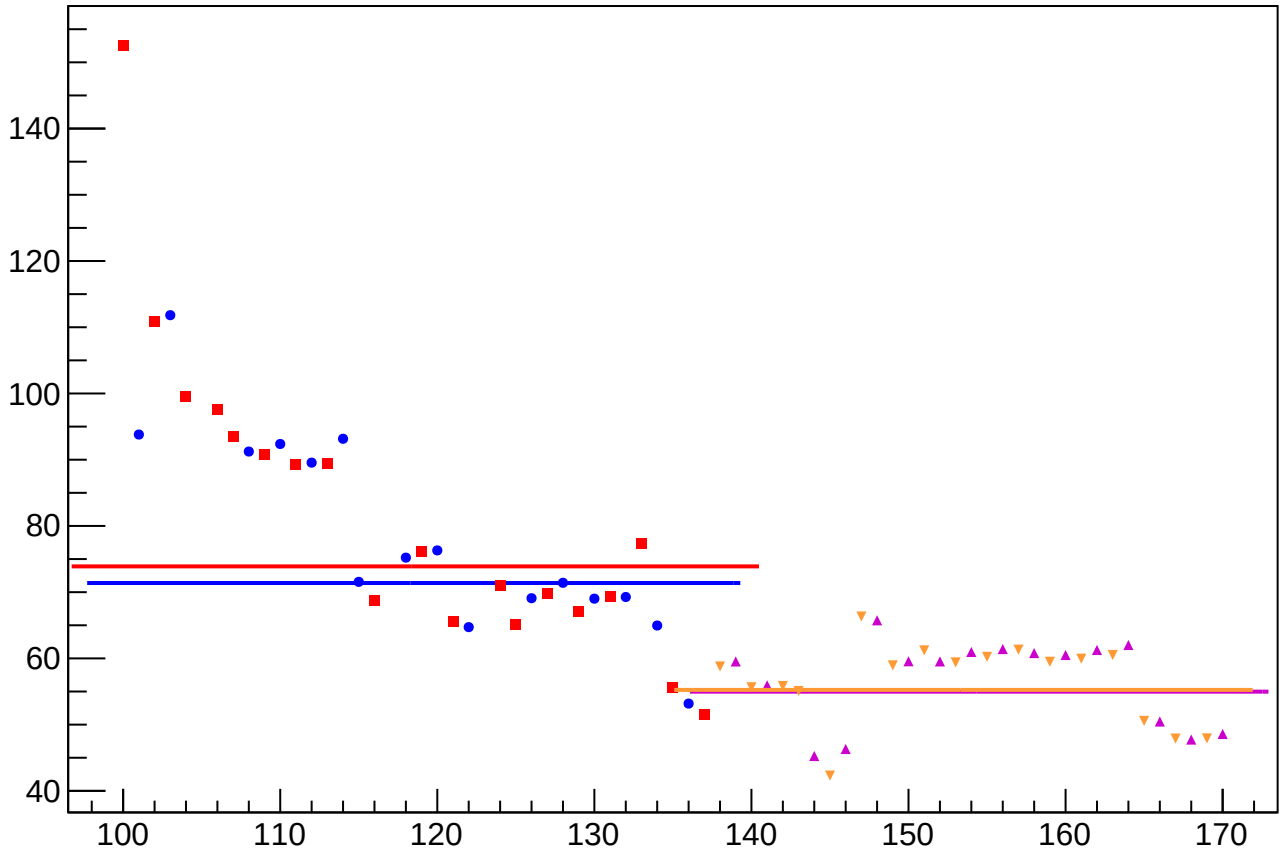
Left: -11.748+/-10.777 χ^2/NDF: 50.2/32

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.907+/-13.323 χ^2/NDF:30.3/31

Out: -6.542+/-13.337 χ^2/NDF:46.3/35

All: -18.237+/-9.426 χ^2/NDF: 78.2/67



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.243+/-0.011 χ^2/NDF:376861.2/16

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

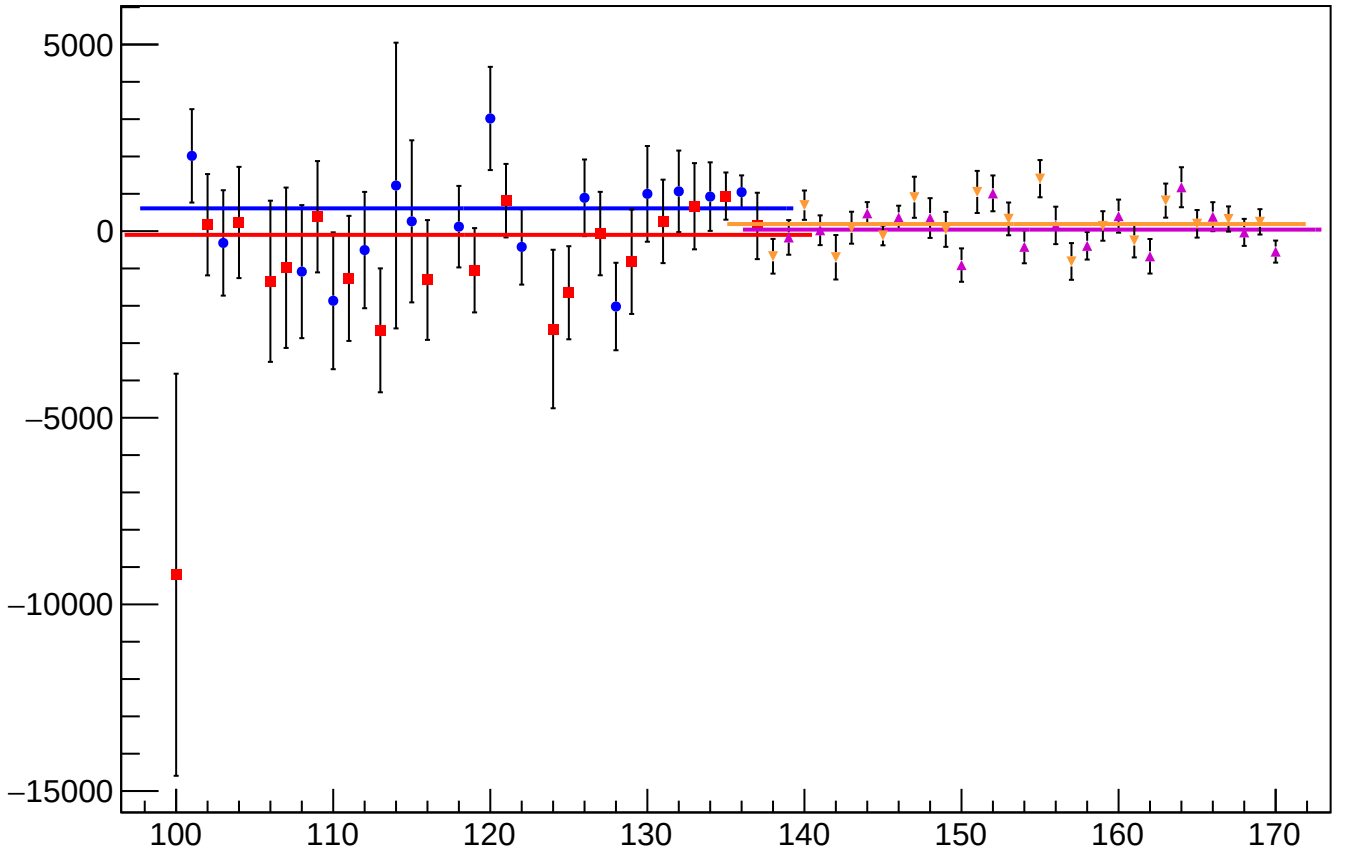
Left: 55.112+/-0.008 χ^2/NDF: 769497.4/32

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.912+/-0.009 χ^2/NDF:1535741.2/31

Out: 59.541+/-0.009 χ^2/NDF:1697481.4/35

All: 59.226+/-0.007 χ^2/NDF: 3235451.1/67



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 189.961+/-100.550 χ^2/NDF:26.1/16

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 40.792+/-99.793 χ^2/NDF:27.2/15

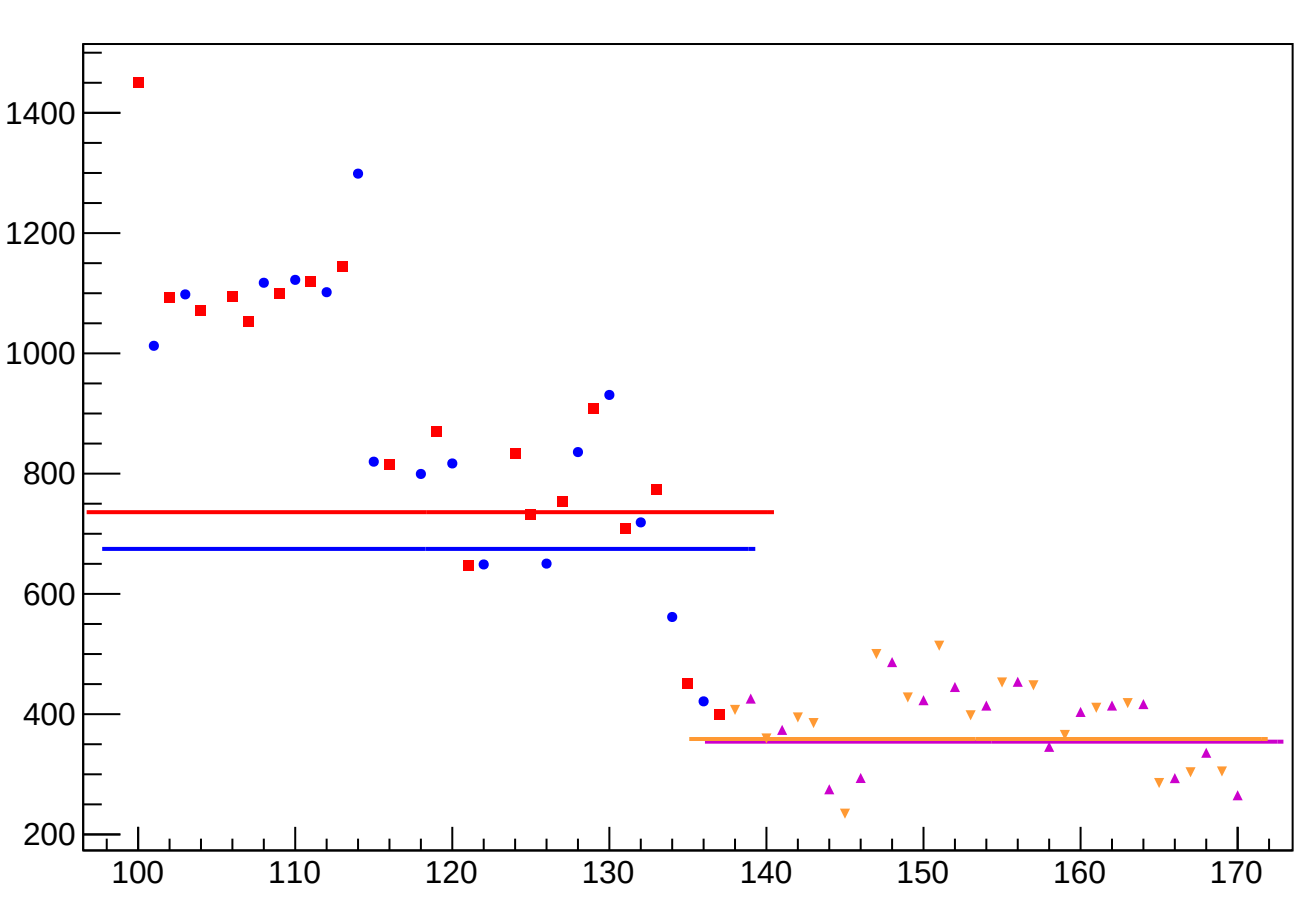
Left: 114.813+/-70.830 χ^2/NDF: 54.4/32

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 110.718+/-93.469 χ^2/NDF:46.9/31

Out: 157.879+/-94.816 χ^2/NDF:42.1/35

All: 133.962+/-66.563 χ^2/NDF: 89.1/67



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 358.708+/-0.071 χ^2/NDF:1203615.5/16

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 354.264+/-0.071 χ^2/NDF:946885.5/15

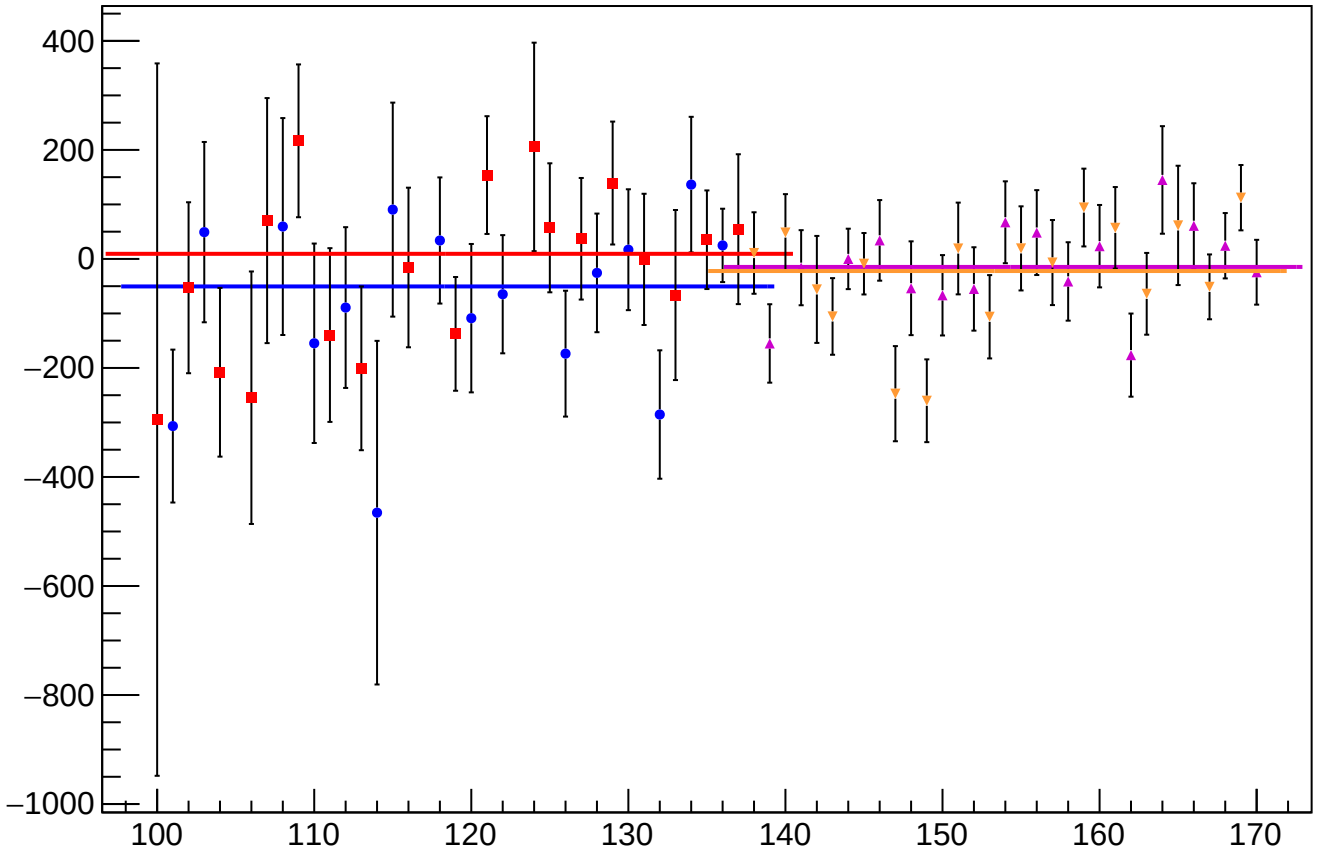
Left: 356.469+/-0.050 χ^2/NDF: 2152468.9/32

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 393.608+/-0.066 χ^2/NDF:5097414.4/31

Out: 400.507+/-0.067 χ^2/NDF:5819616.6/35

All: 397.008+/-0.047 χ^2/NDF: 10922402.6/67



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.191+/-17.823 χ^2/NDF:31.0/16

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -14.676+/-17.924 χ^2/NDF:16.0/15

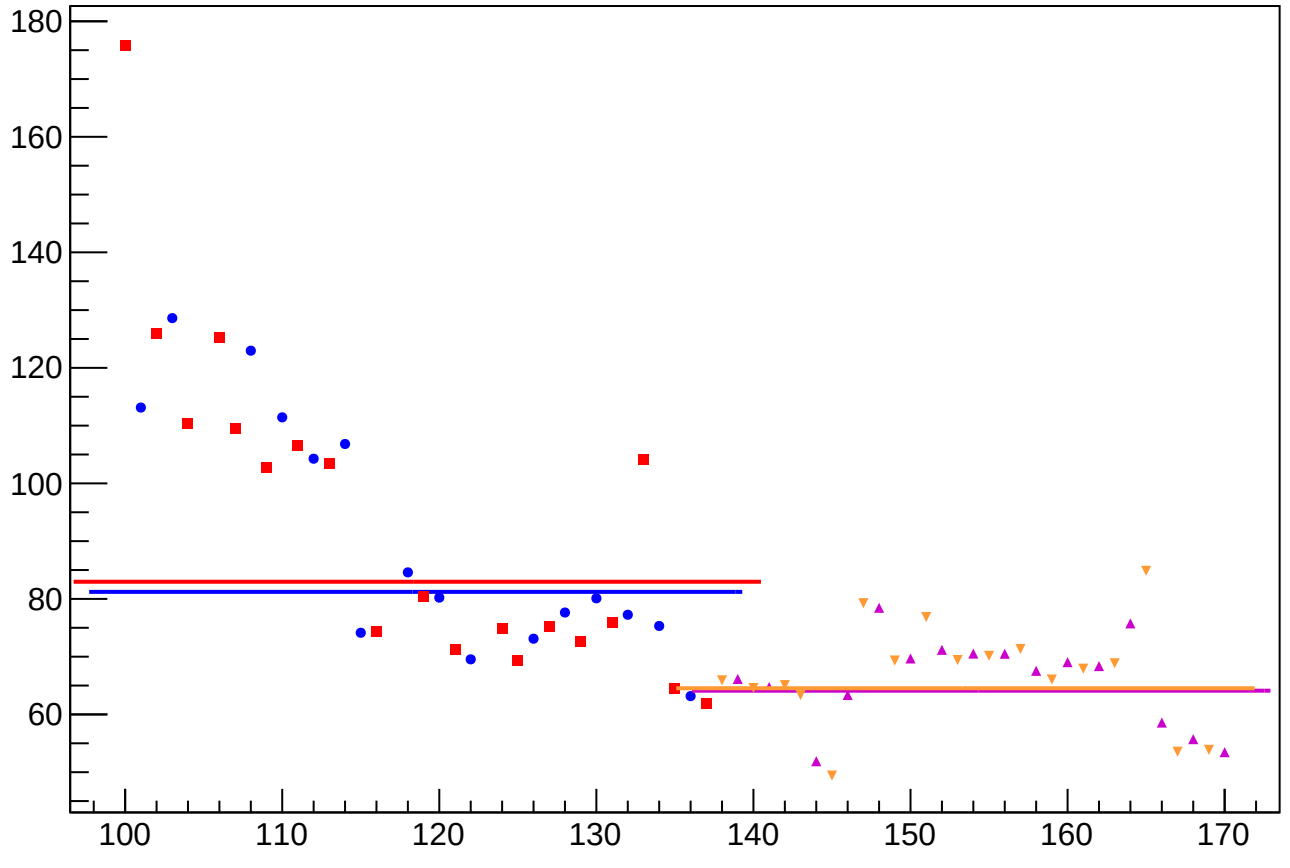
Left: -18.455+/-12.638 χ^2/NDF: 47.1/32

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.616+/-15.525 χ^2/NDF:33.4/31

Out: -14.436+/-15.480 χ^2/NDF:47.3/35

All: -19.013+/-10.962 χ^2/NDF: 80.9/67



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.533+/-0.013 χ^2/NDF:499085.5/16

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 64.110+/-0.013 χ^2/NDF:371953.3/15

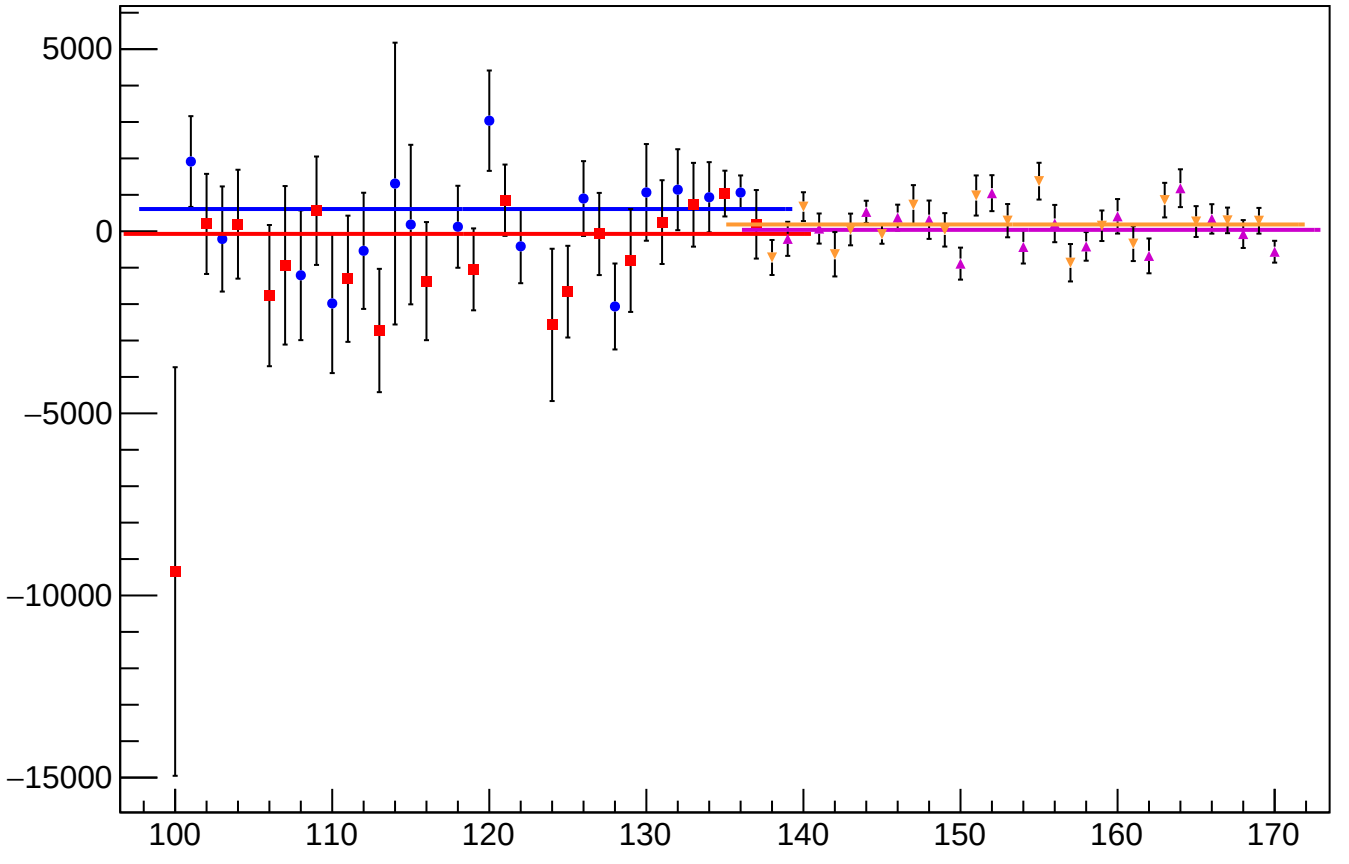
Left: 64.323+/-0.009 χ^2/NDF: 871598.2/32

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 68.384+/-0.011 χ^2/NDF:1489975.6/31

Out: 69.062+/-0.011 χ^2/NDF:1755196.2/35

All: 68.724+/-0.008 χ^2/NDF: 3247085.4/67



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 186.232+/-103.468 χ^2/NDF:24.4/16

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 38.309+/-103.310 χ^2/NDF:27.6/15

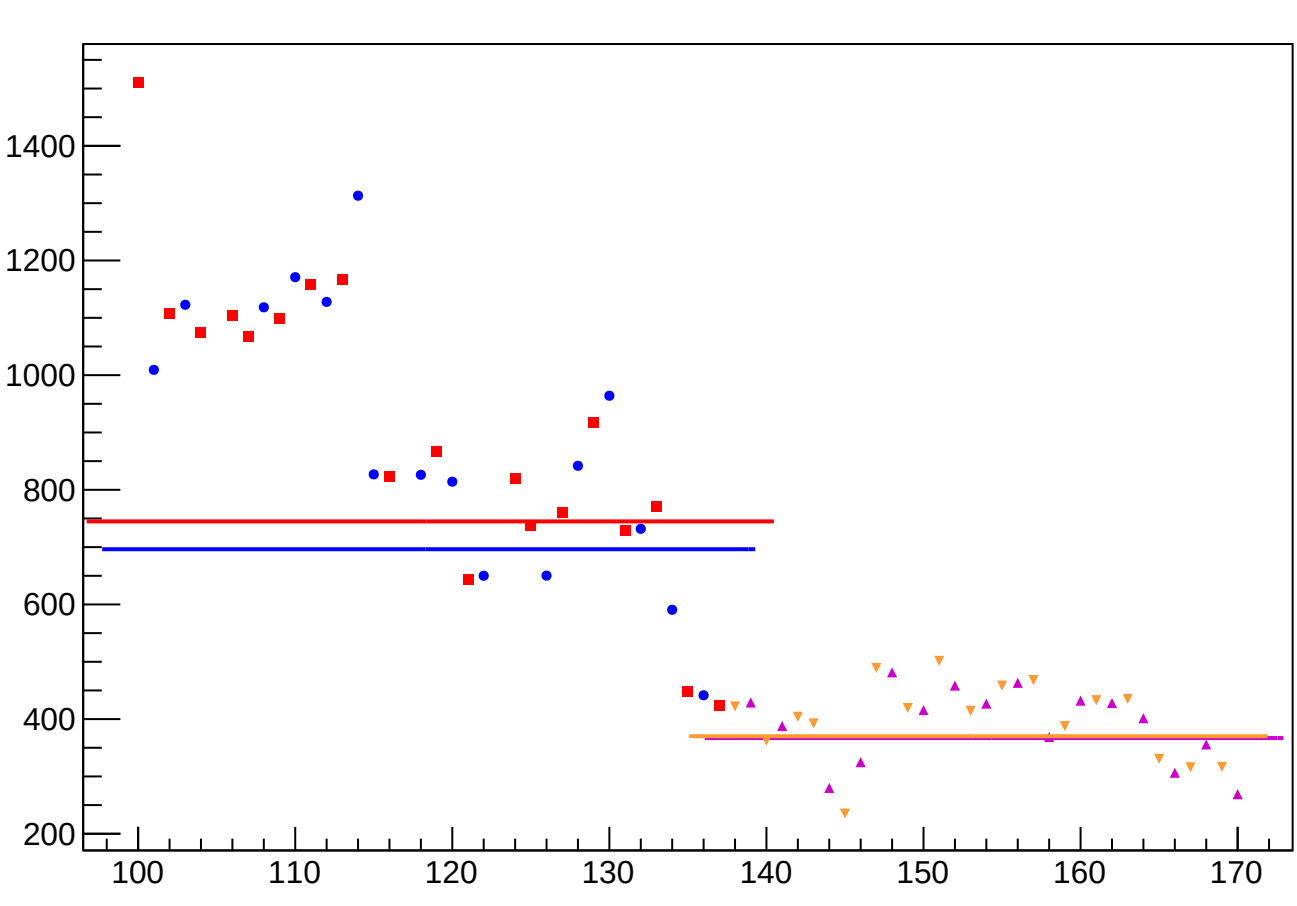
Left: 112.157+/-73.107 χ^2/NDF: 53.0/32

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 109.522+/-96.666 χ^2/NDF:47.2/31

Out: 156.463+/-97.329 χ^2/NDF:41.3/35

All: 132.832+/-68.587 χ^2/NDF: 88.6/67



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 370.170+/-0.073 χ^2/NDF:1140174.5/16

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 366.949+/-0.073 χ^2/NDF:864389.5/15

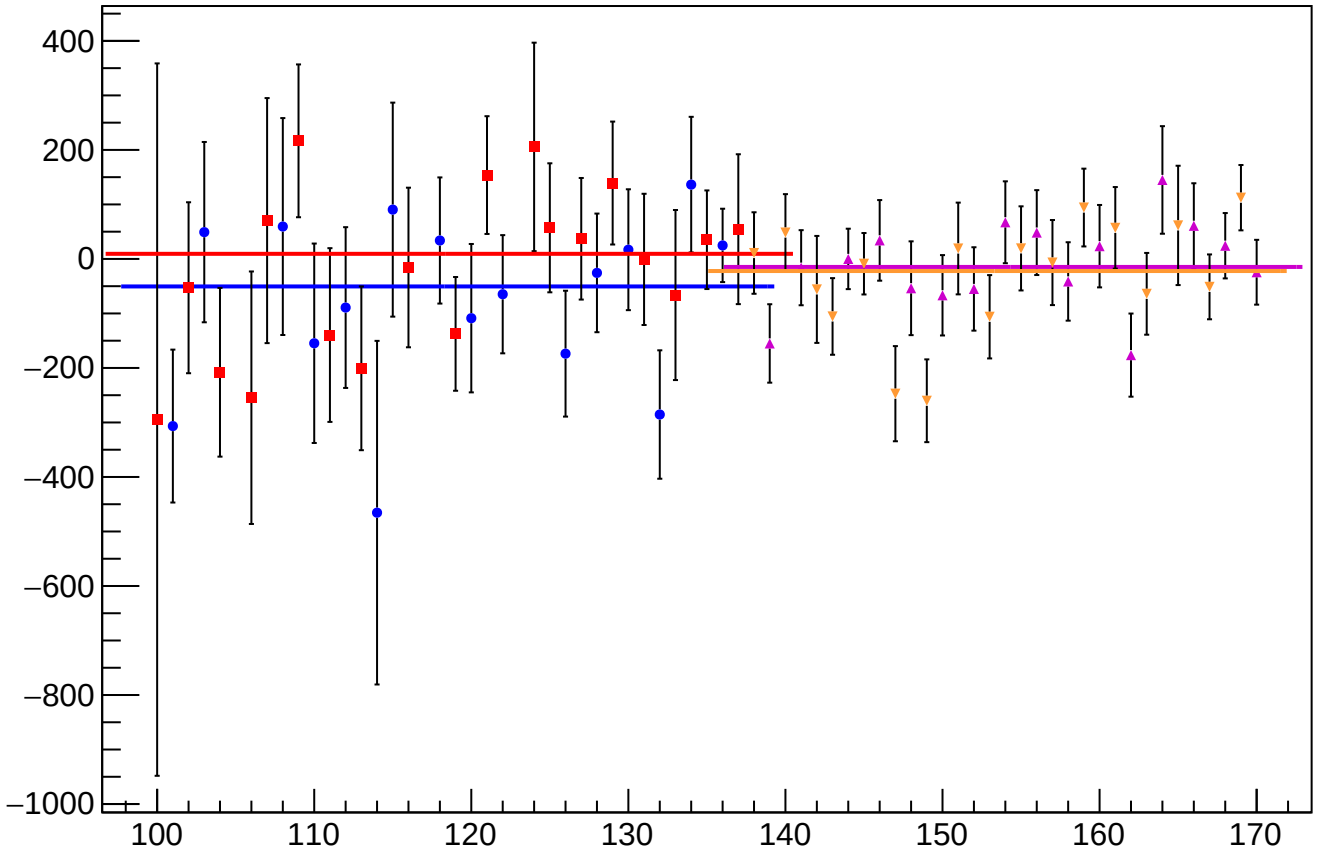
Left: 368.557+/-0.052 χ^2/NDF: 2005534.4/32

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 407.956+/-0.068 χ^2/NDF:4911239.7/31

Out: 413.315+/-0.069 χ^2/NDF:5658713.0/35

All: 410.617+/-0.048 χ^2/NDF: 10573004.3/67



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.190+/-17.823 χ^2/NDF:31.0/16

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -14.675+/-17.924 χ^2/NDF:16.0/15

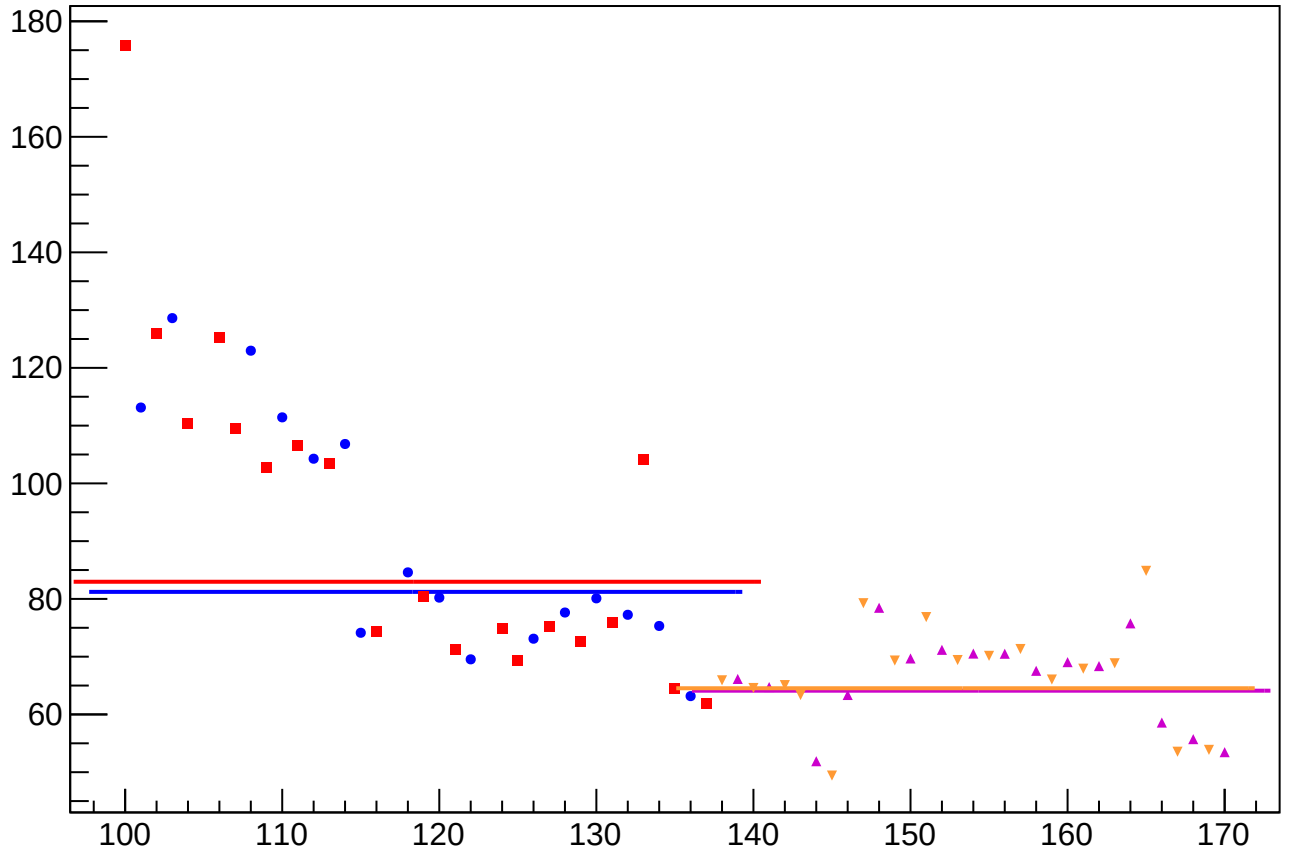
Left: -18.454+/-12.638 χ^2/NDF: 47.1/32

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.616+/-15.525 χ^2/NDF:33.4/31

Out: -14.435+/-15.480 χ^2/NDF:47.3/35

All: -19.012+/-10.962 χ^2/NDF: 80.9/67



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.533+/-0.013 χ^2/NDF:499080.8/16

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 64.110+/-0.013 χ^2/NDF:371949.0/15

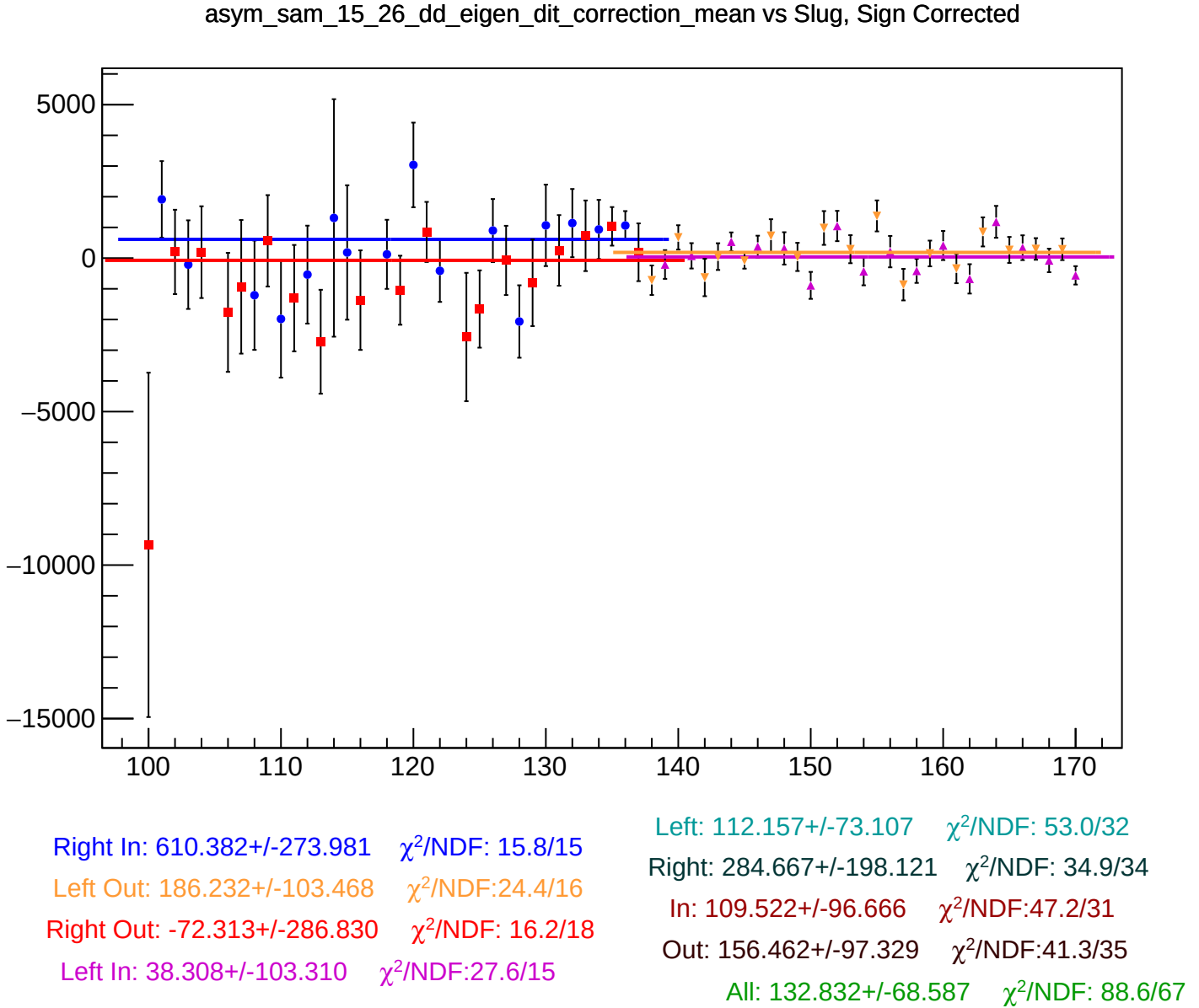
Left: 64.323+/-0.009 χ^2/NDF: 871589.2/32

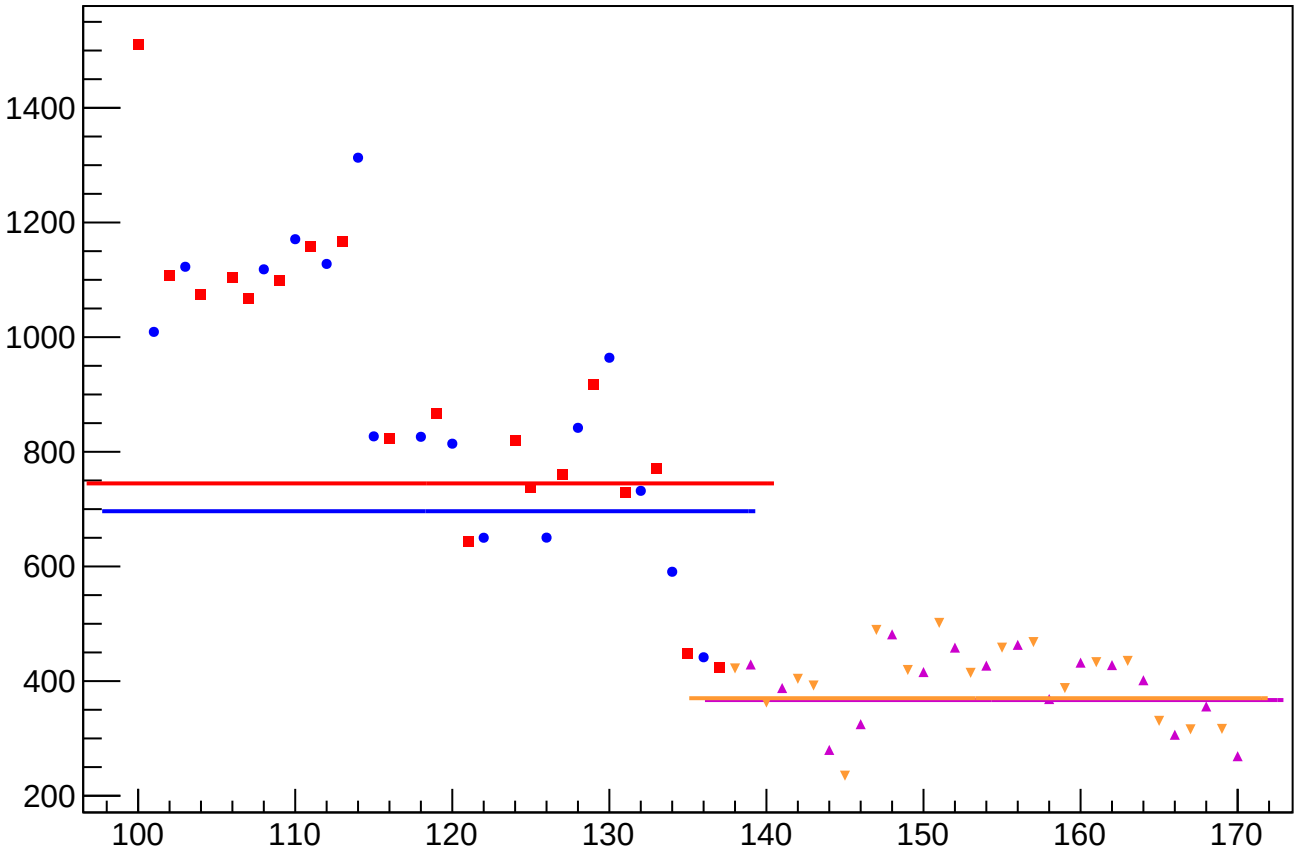
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 68.384+/-0.011 χ^2/NDF:1489929.8/31

Out: 69.062+/-0.011 χ^2/NDF:1755159.1/35

All: 68.724+/-0.008 χ^2/NDF: 3247002.6/67


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.382+/-273.981 χ²/NDF: 15.8/15
Left Out: 186.232+/-103.468 χ²/NDF:24.4/16
Right Out: -72.313+/-286.830 χ²/NDF: 16.2/18
Left In: 38.308+/-103.310 χ²/NDF:27.6/15
Left: 112.157+/-73.107 χ²/NDF: 53.0/32
Right: 284.667+/-198.121 χ²/NDF: 34.9/34
In: 109.522+/-96.666 χ²/NDF:47.2/31
Out: 156.462+/-97.329 χ²/NDF:41.3/35
All: 132.832+/-68.587 χ²/NDF: 88.6/67



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 370.170+/-0.073 χ^2/NDF:1140194.7/16

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 366.949+/-0.073 χ^2/NDF:864403.7/15

Left: 368.557+/-0.052 χ^2/NDF: 2005568.8/32

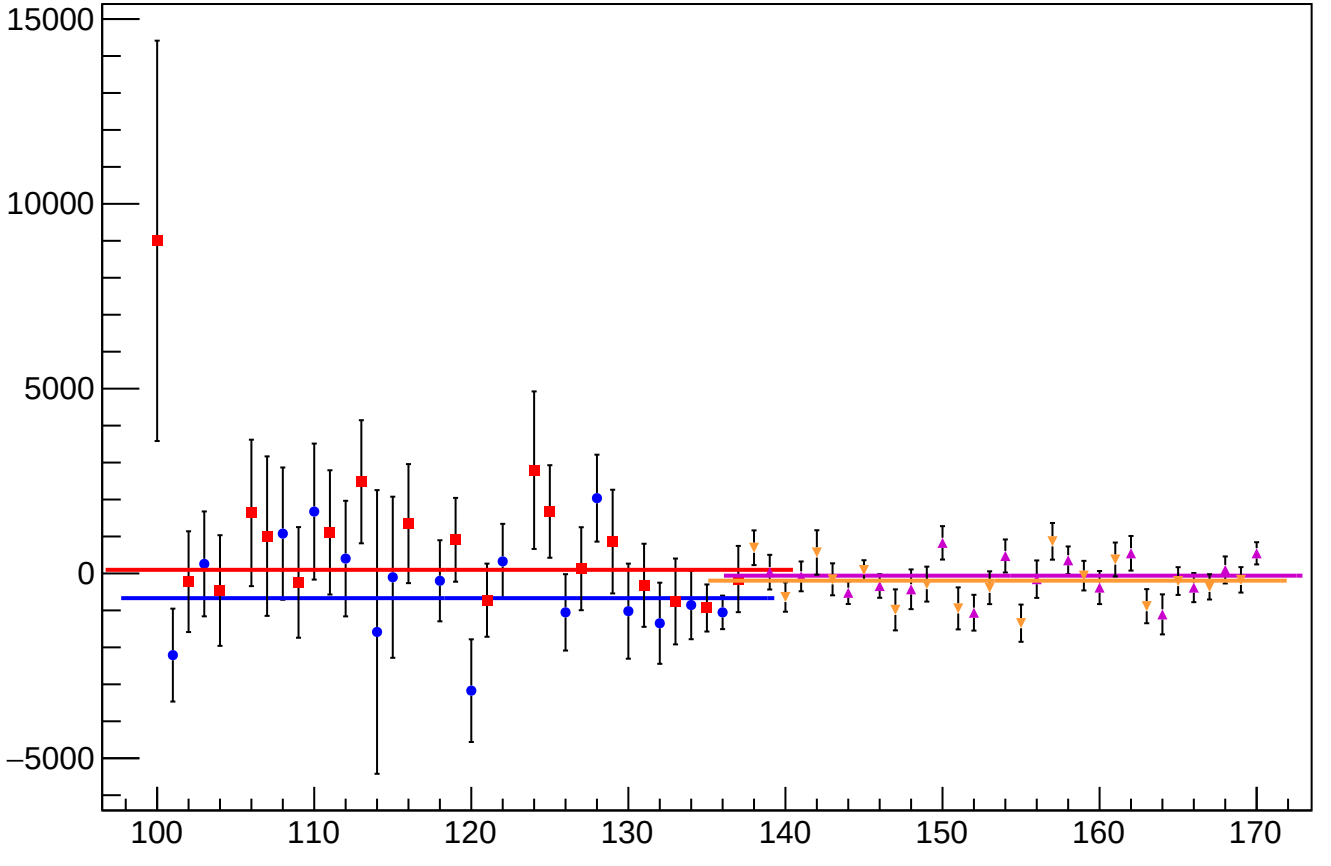
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 407.956+/-0.068 χ^2/NDF:4911233.4/31

Out: 413.315+/-0.069 χ^2/NDF:5658713.2/35

All: 410.617+/-0.048 χ^2/NDF: 10572998.3/67

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -195.332+/-101.764 χ^2/NDF:25.5/16

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -60.103+/-101.033 χ^2/NDF:25.3/15

Left: -127.230+/-71.698 χ^2/NDF: 51.7/32

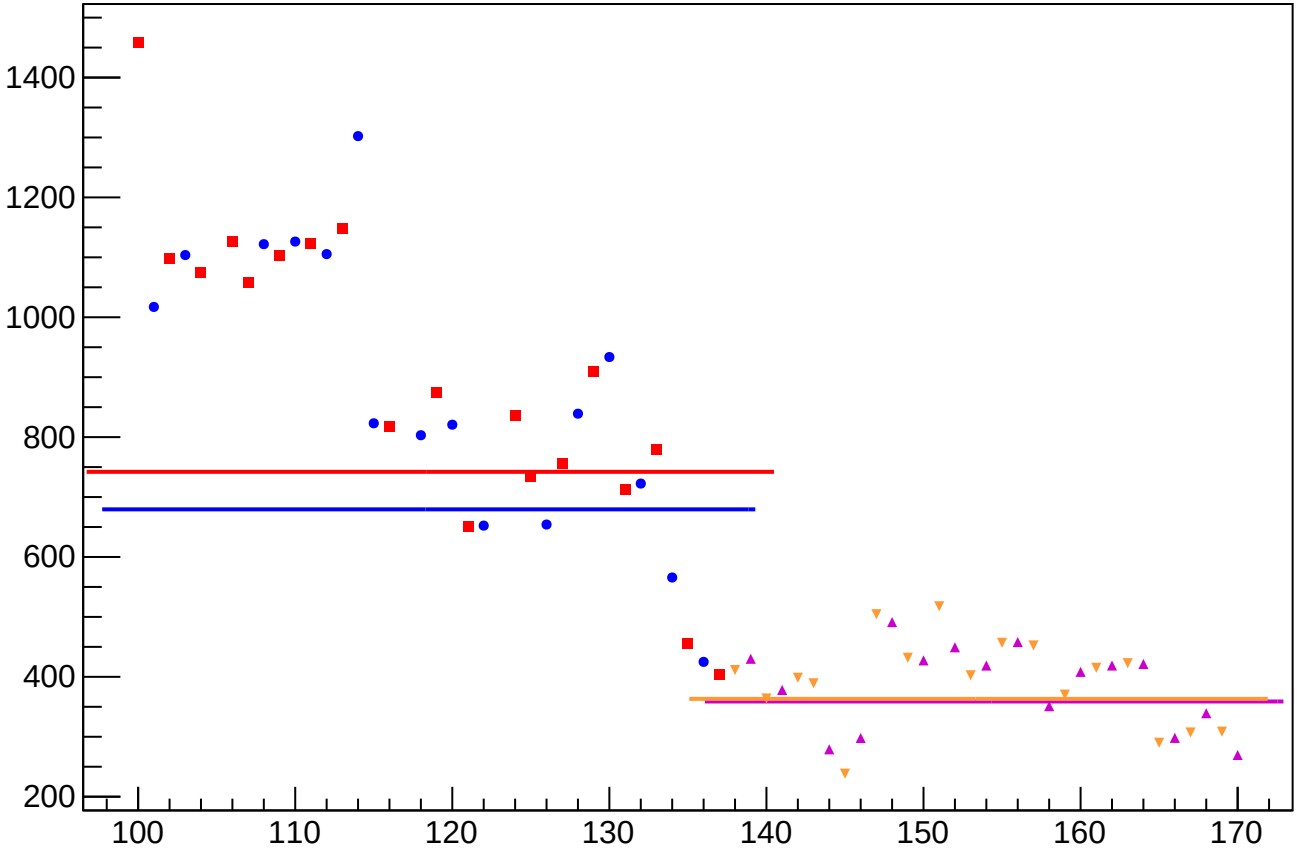
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -135.586+/-94.558 χ^2/NDF:45.9/31

Out: -162.343+/-95.871 χ^2/NDF:41.3/35

All: -148.780+/-67.322 χ^2/NDF: 87.2/67

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 363.261+/-0.072 χ^2/NDF:1177461.4/16

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 358.854+/-0.071 χ^2/NDF:926267.8/15

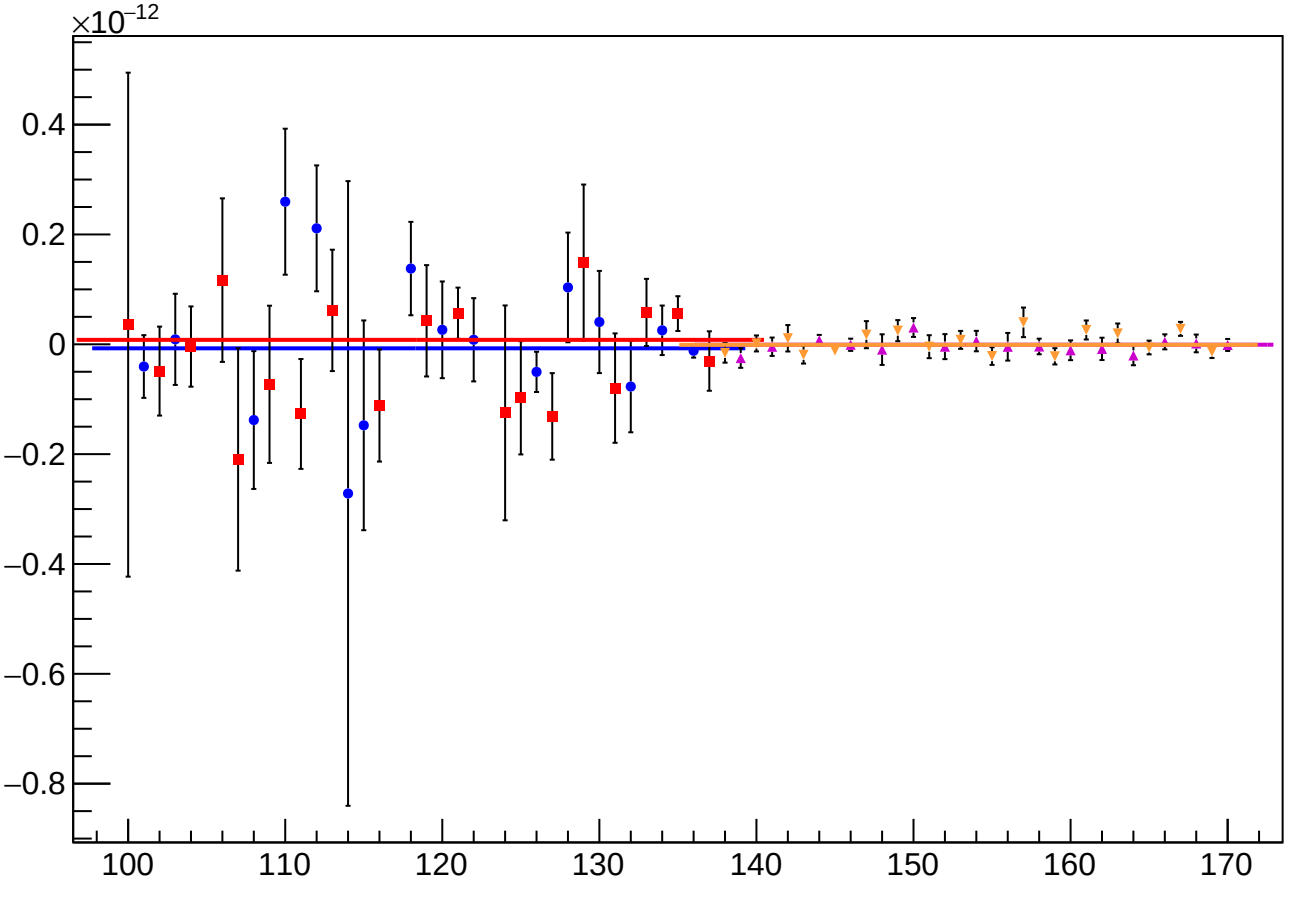
Left: 361.042+/-0.051 χ^2/NDF: 2105617.9/32

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 398.632+/-0.067 χ^2/NDF:5025994.2/31

Out: 405.864+/-0.068 χ^2/NDF:5798659.6/35

All: 402.198+/-0.048 χ^2/NDF: 10830421.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/15

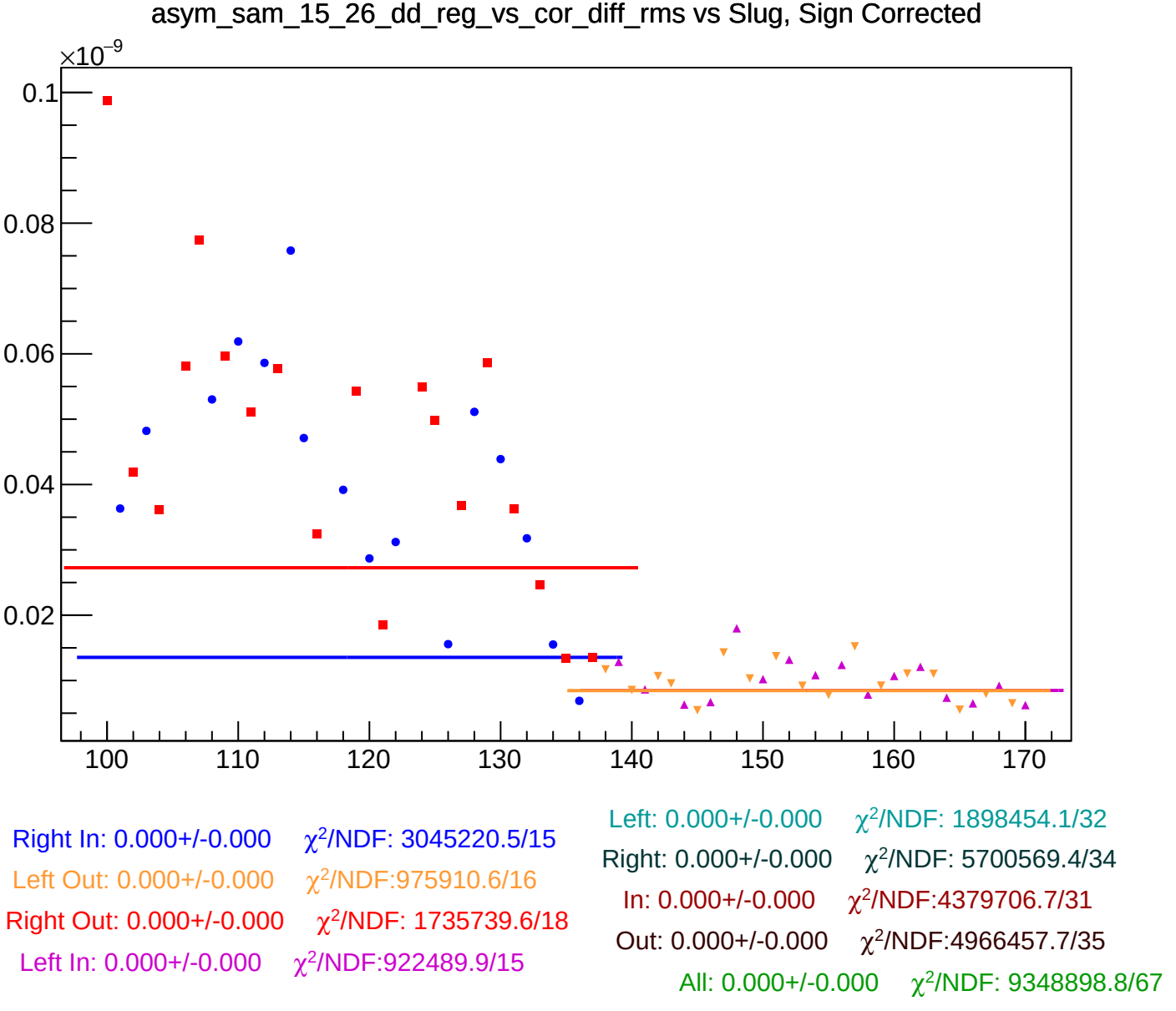
Left: -0.000+/-0.000 χ^2/NDF: 30.5/32

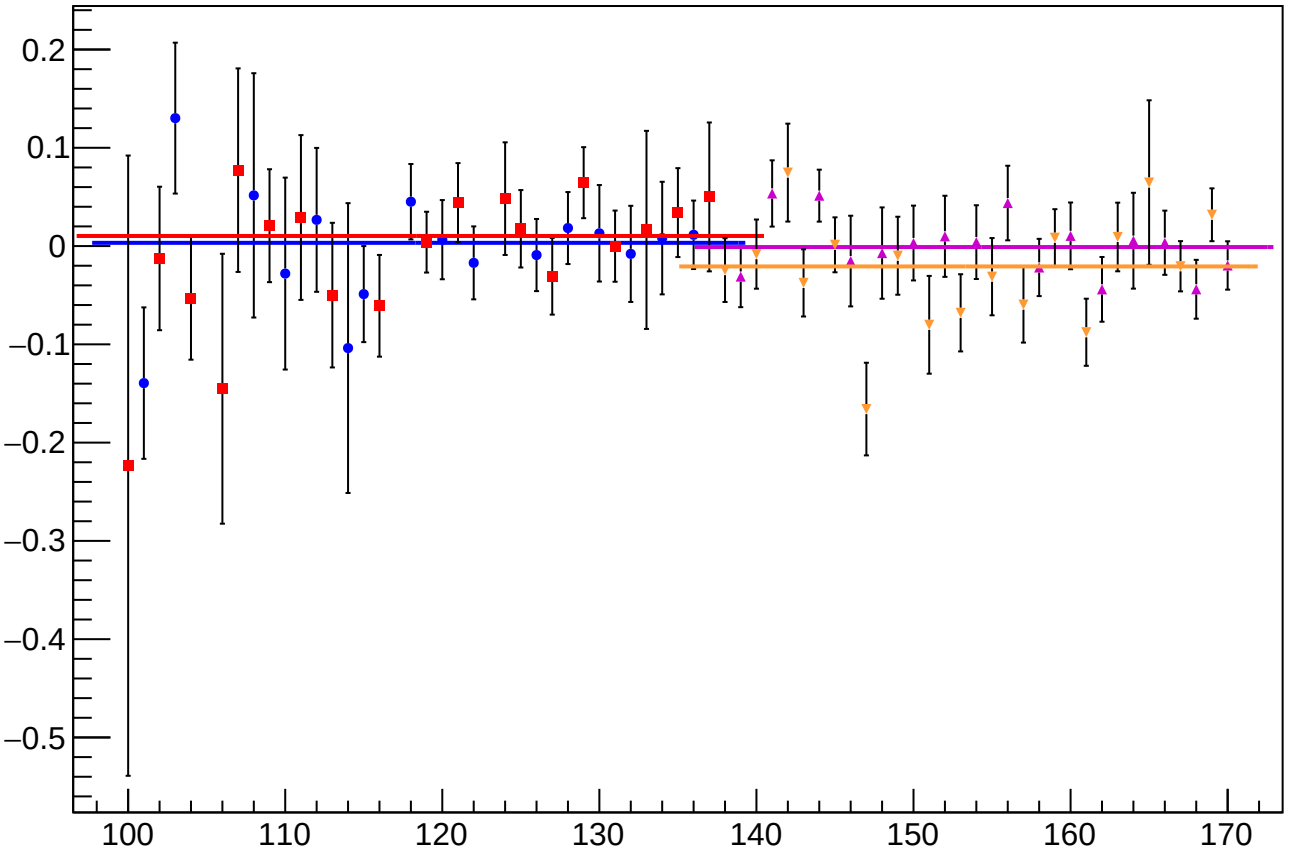
Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.6/31

Out: -0.000+/-0.000 χ^2/NDF:39.7/35

All: -0.000+/-0.000 χ^2/NDF: 65.4/67


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3045220.5/15
Left Out: 0.000+/-0.000 χ²/NDF:975910.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 1735739.6/18
Left In: 0.000+/-0.000 χ²/NDF:922489.9/15
Left: 0.000+/-0.000 χ²/NDF: 1898454.1/32
Right: 0.000+/-0.000 χ²/NDF: 5700569.4/34
In: 0.000+/-0.000 χ²/NDF:4379706.7/31
Out: 0.000+/-0.000 χ²/NDF:4966457.7/35
All: 0.000+/-0.000 χ²/NDF: 9348898.8/67



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.009 χ^2/NDF:28.6/16

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:14.1/15

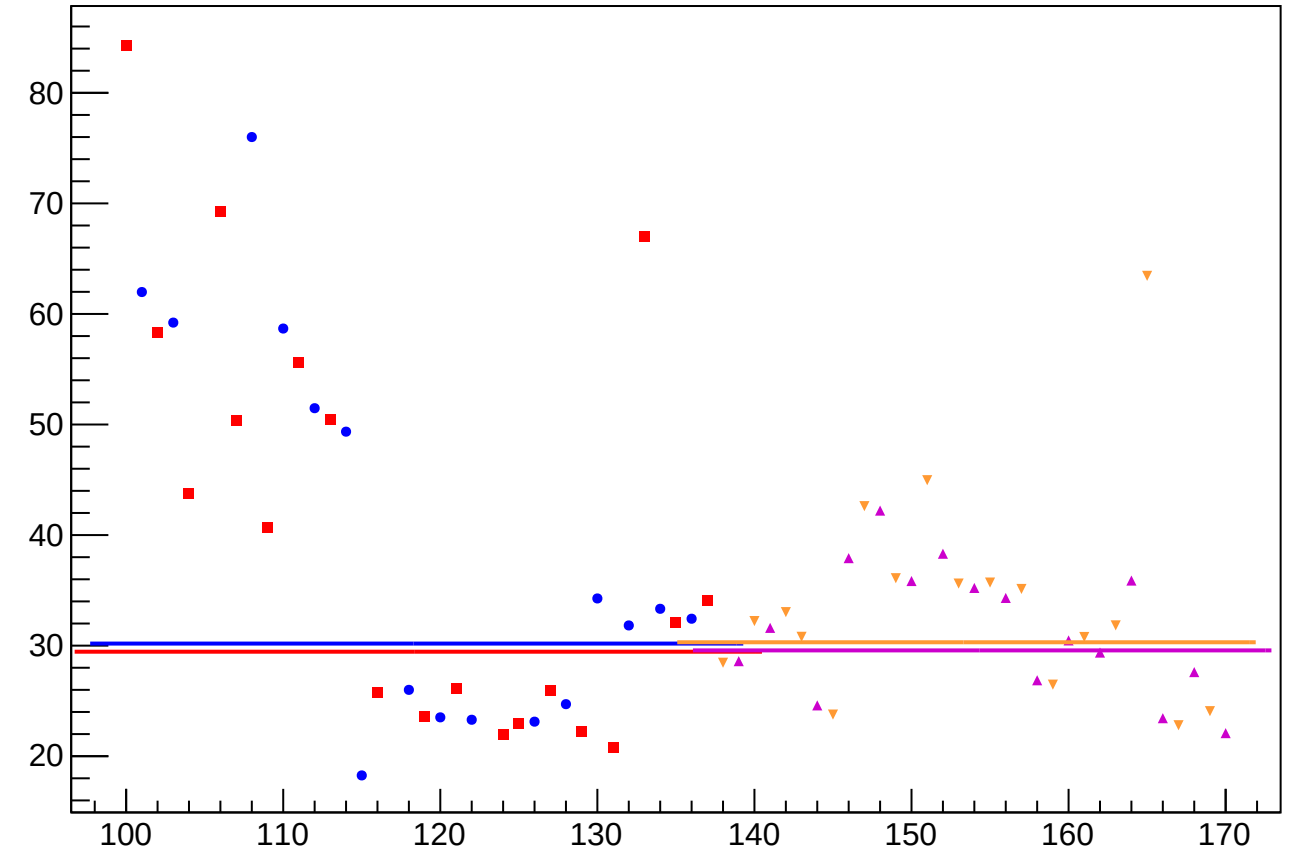
Left: -0.011+/-0.006 χ^2/NDF: 45.4/32

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.010+/-0.007 χ^2/NDF:44.4/35

All: -0.005+/-0.005 χ^2/NDF: 69.8/67



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.305+/-0.006 χ^2/NDF:1218912.5/16

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

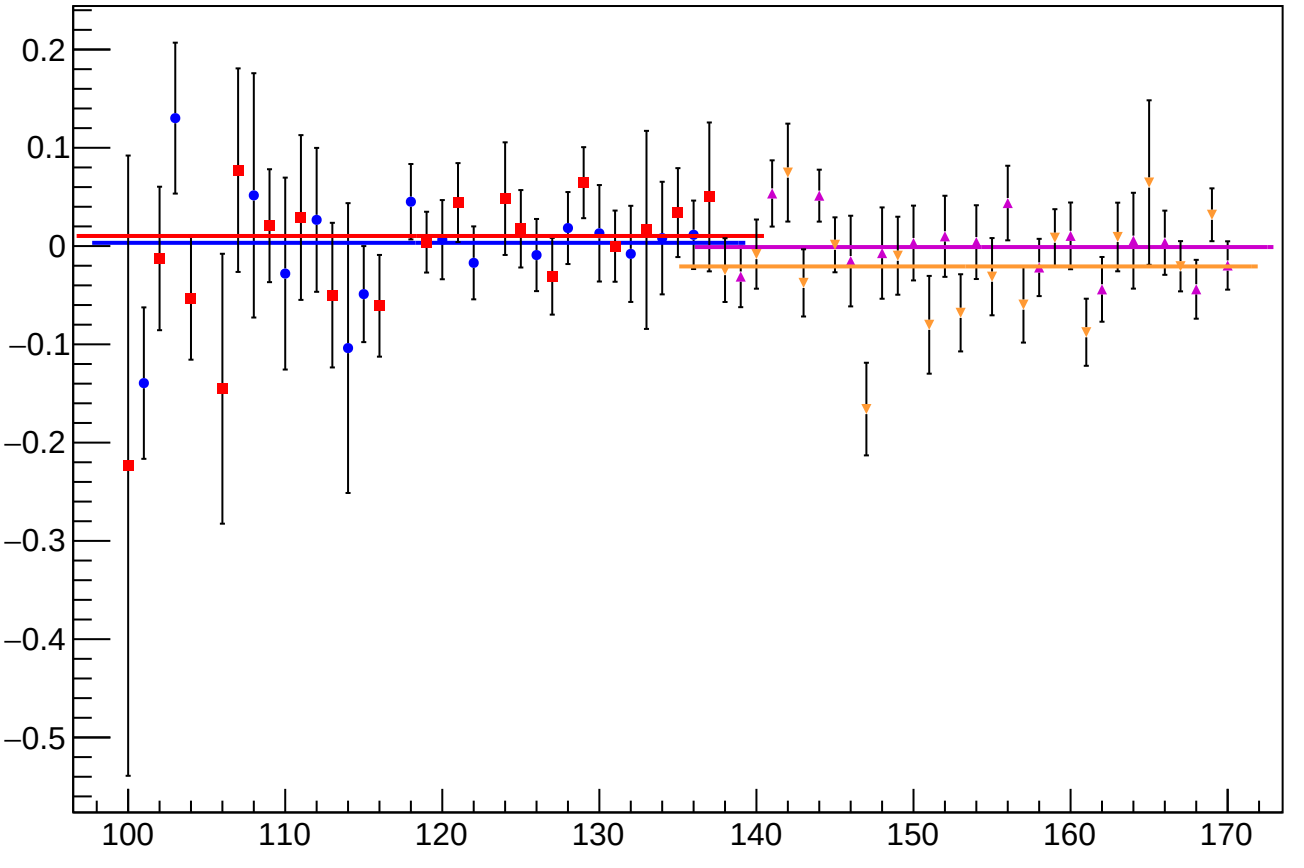
Left: 29.932+/-0.004 χ^2/NDF: 2057117.1/32

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.767+/-0.005 χ^2/NDF:2521516.1/31

Out: 30.011+/-0.005 χ^2/NDF:3074391.8/35

All: 29.890+/-0.003 χ^2/NDF: 5597146.5/67



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.009 χ^2/NDF:28.6/16

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:14.1/15

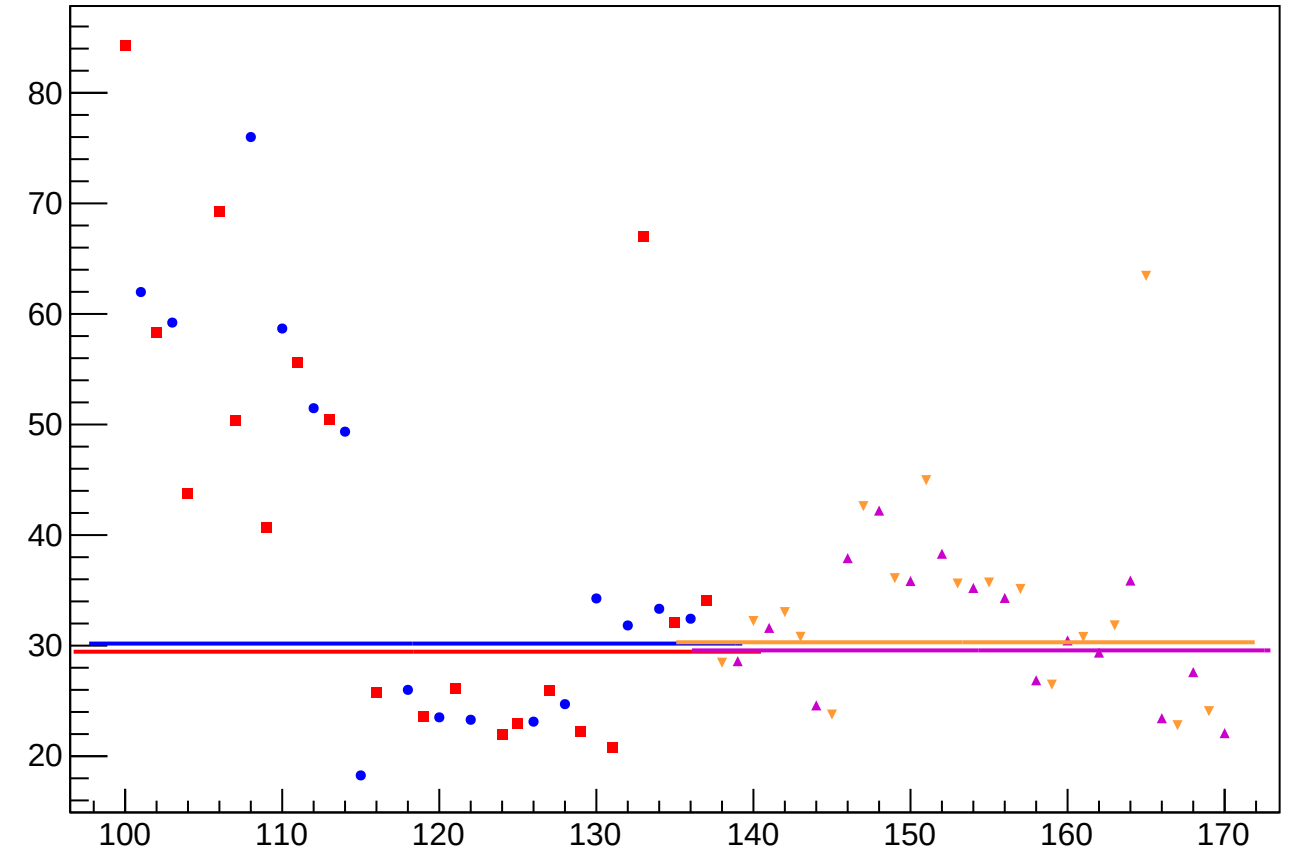
Left: -0.011+/-0.006 χ^2/NDF: 45.4/32

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.010+/-0.007 χ^2/NDF:44.4/35

All: -0.005+/-0.005 χ^2/NDF: 69.8/67



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.305+/-0.006 χ^2/NDF:1218912.5/16

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

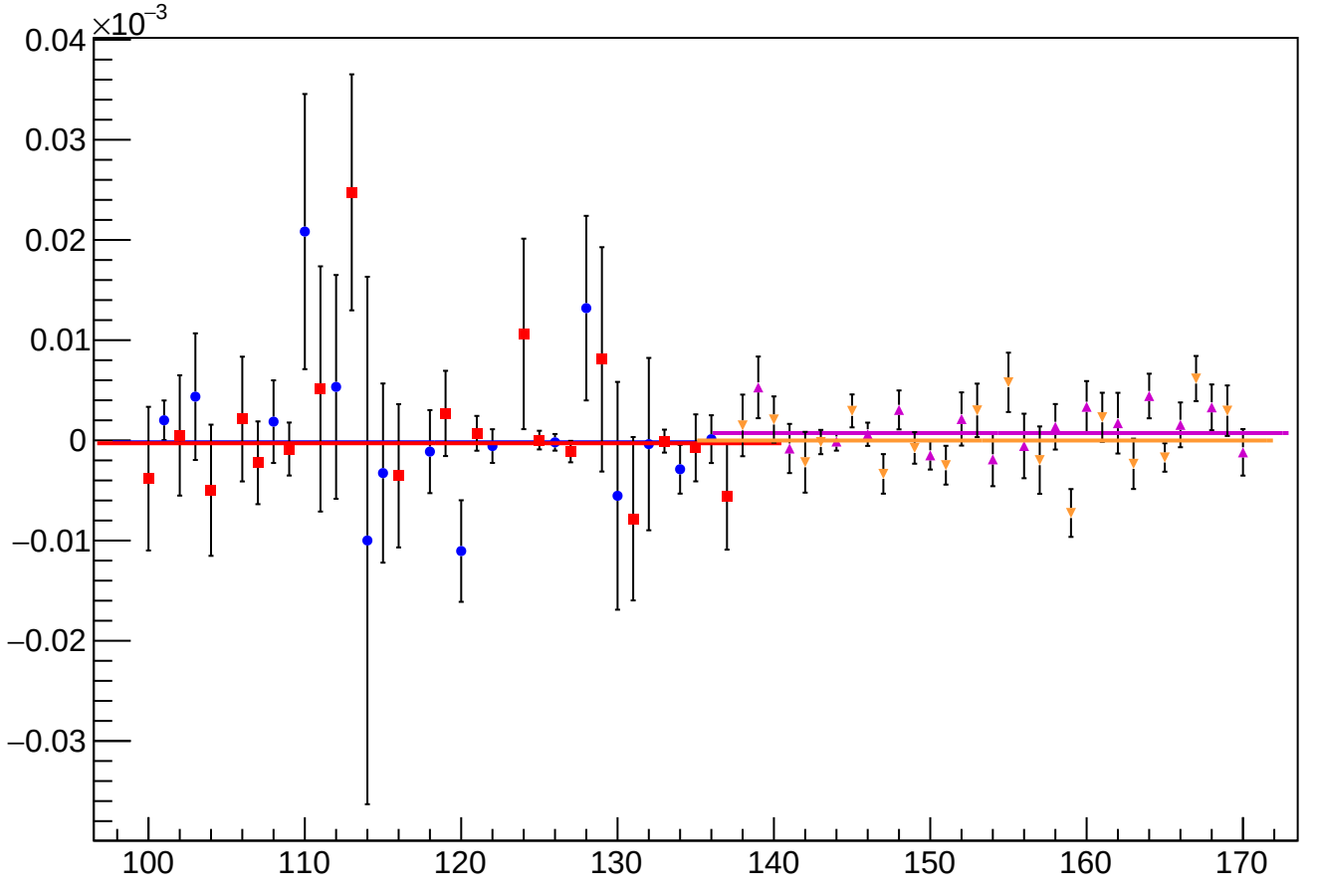
Left: 29.932+/-0.004 χ^2/NDF: 2057117.1/32

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.767+/-0.005 χ^2/NDF:2521516.1/31

Out: 30.011+/-0.005 χ^2/NDF:3074391.8/35

All: 29.890+/-0.003 χ^2/NDF: 5597146.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

Left: 0.000+/-0.000 χ^2/NDF: 52.2/32

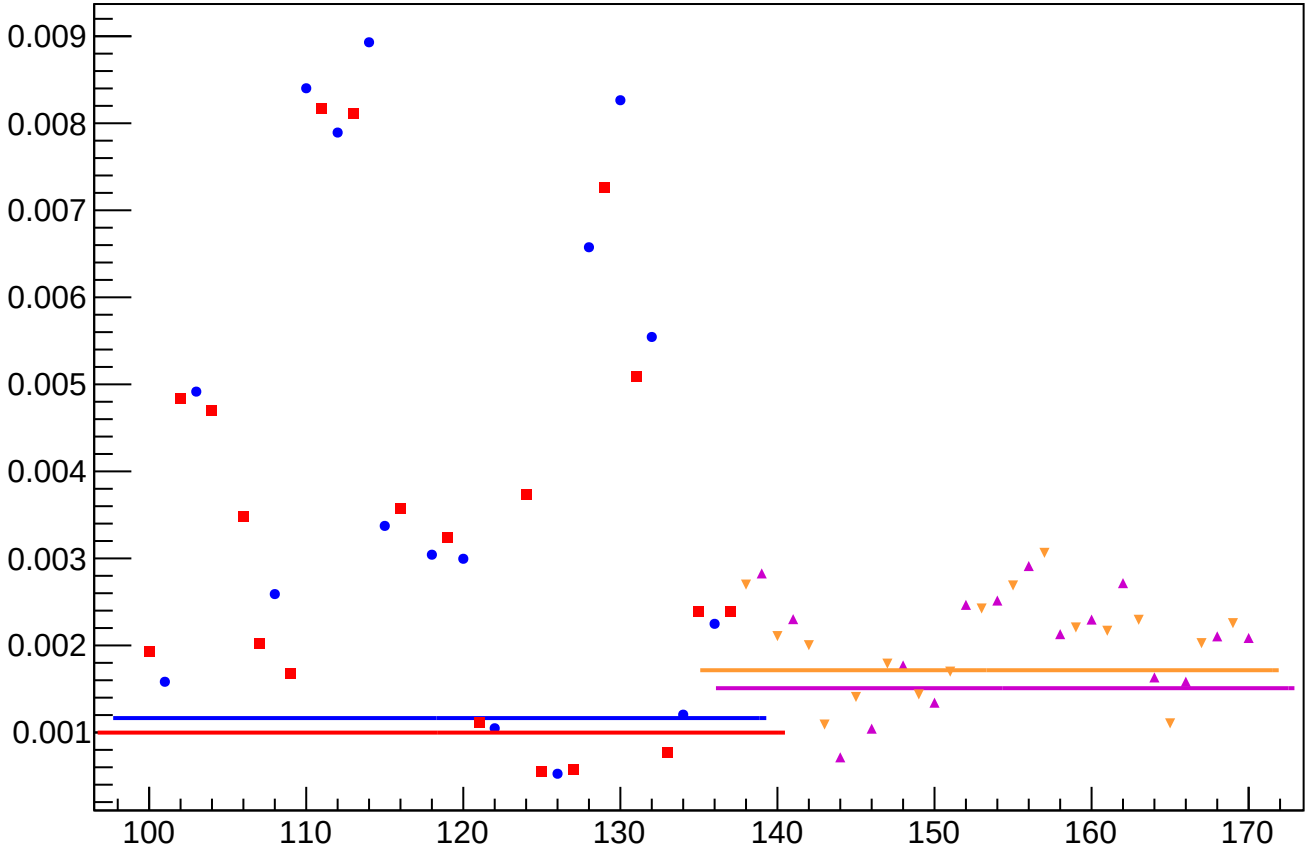
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:29.3/31

Out: -0.000+/-0.000 χ^2/NDF:47.8/35

All: 0.000+/-0.000 χ^2/NDF: 78.2/67

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:2385757.1/16

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4329678.7/15

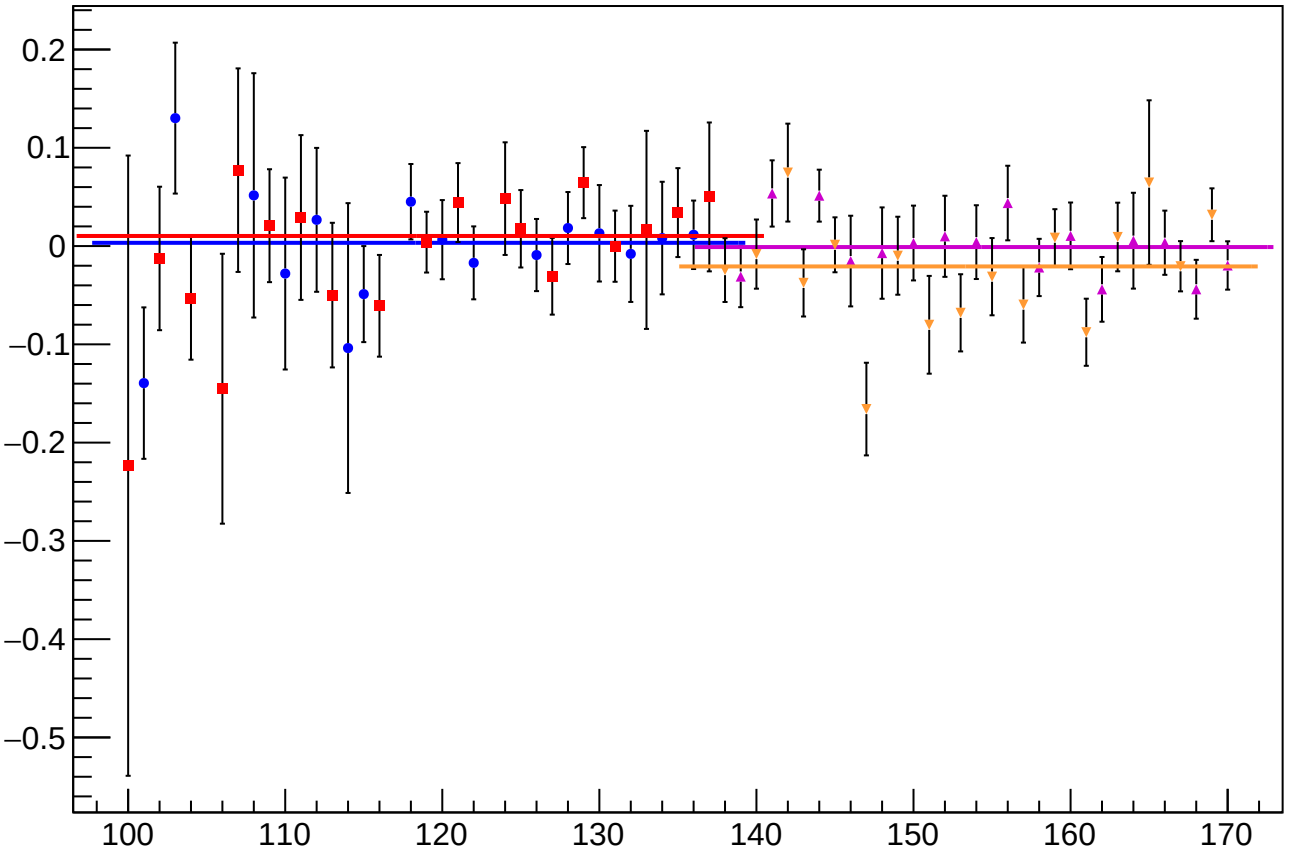
Left: 0.002+/-0.000 χ^2/NDF: 6899322.2/32

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11607697.6/31

Out: 0.001+/-0.000 χ^2/NDF:11305715.6/35

All: 0.001+/-0.000 χ^2/NDF: 22913824.4/67



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.009 χ^2/NDF:28.6/16

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:14.1/15

Left: -0.011+/-0.006 χ^2/NDF: 45.4/32

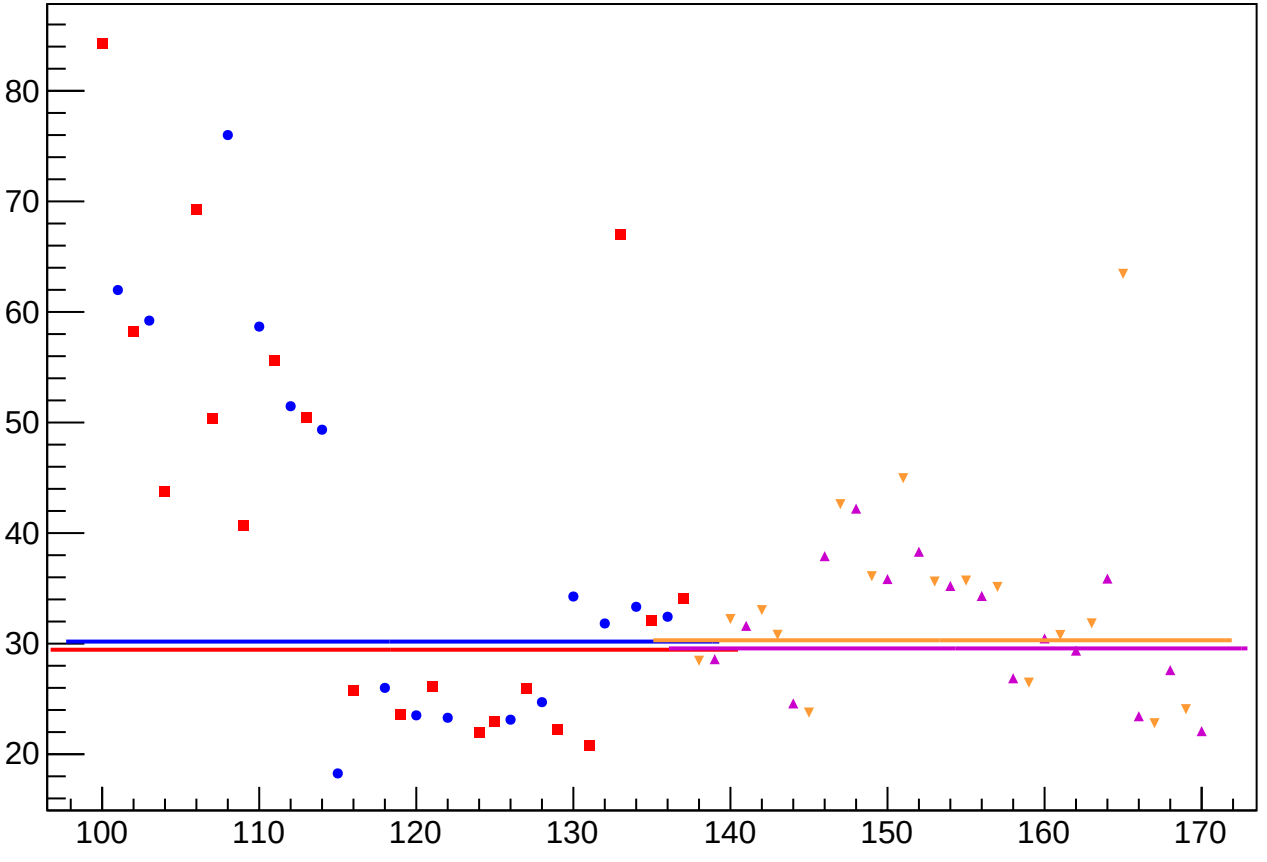
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.010+/-0.007 χ^2/NDF:44.4/35

All: -0.005+/-0.005 χ^2/NDF: 69.8/67

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.305+/-0.006 χ^2/NDF:1218903.5/16

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.569+/-0.006 χ^2/NDF:830687.4/15

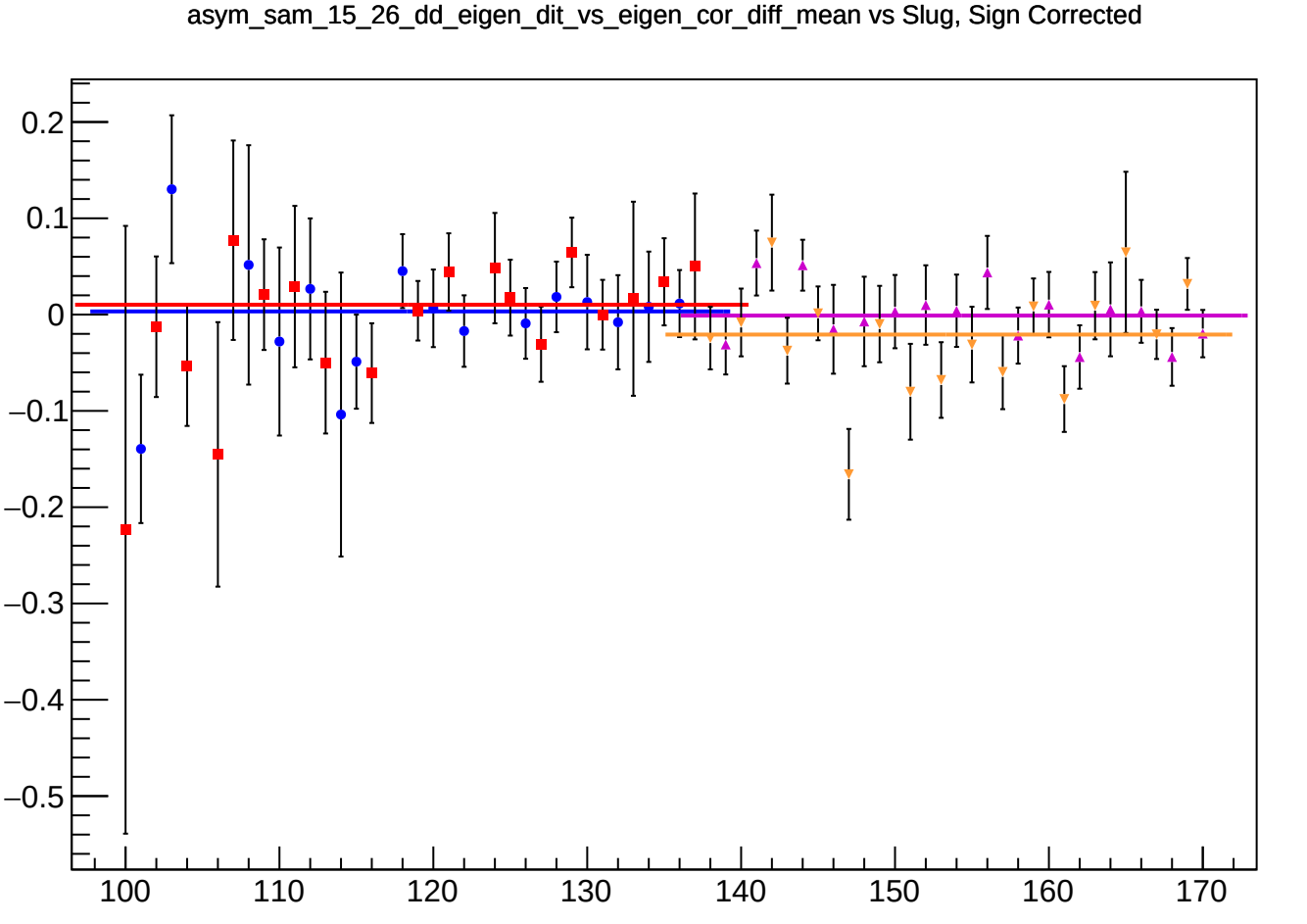
Left: 29.932+/-0.004 χ^2/NDF: 2057089.6/32

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.767+/-0.005 χ^2/NDF:2521311.5/31

Out: 30.011+/-0.005 χ^2/NDF:3074391.0/35

All: 29.890+/-0.003 χ^2/NDF: 5596938.5/67



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.009 χ^2/NDF:28.6/16

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:14.1/15

Left: -0.011+/-0.006 χ^2/NDF: 45.4/32

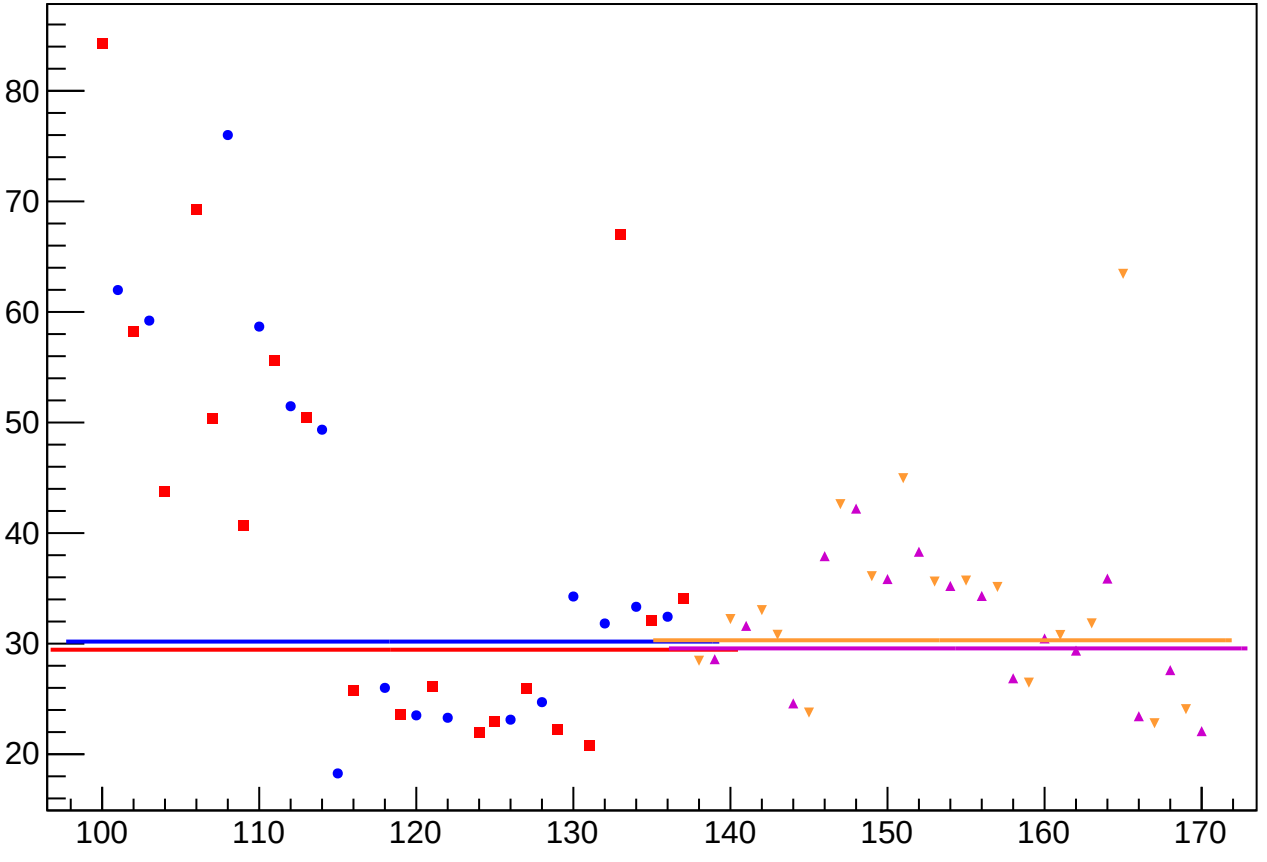
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.010+/-0.007 χ^2/NDF:44.4/35

All: -0.005+/-0.005 χ^2/NDF: 69.8/67

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.305+/-0.006 χ^2/NDF:1218903.5/16

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.569+/-0.006 χ^2/NDF:830687.4/15

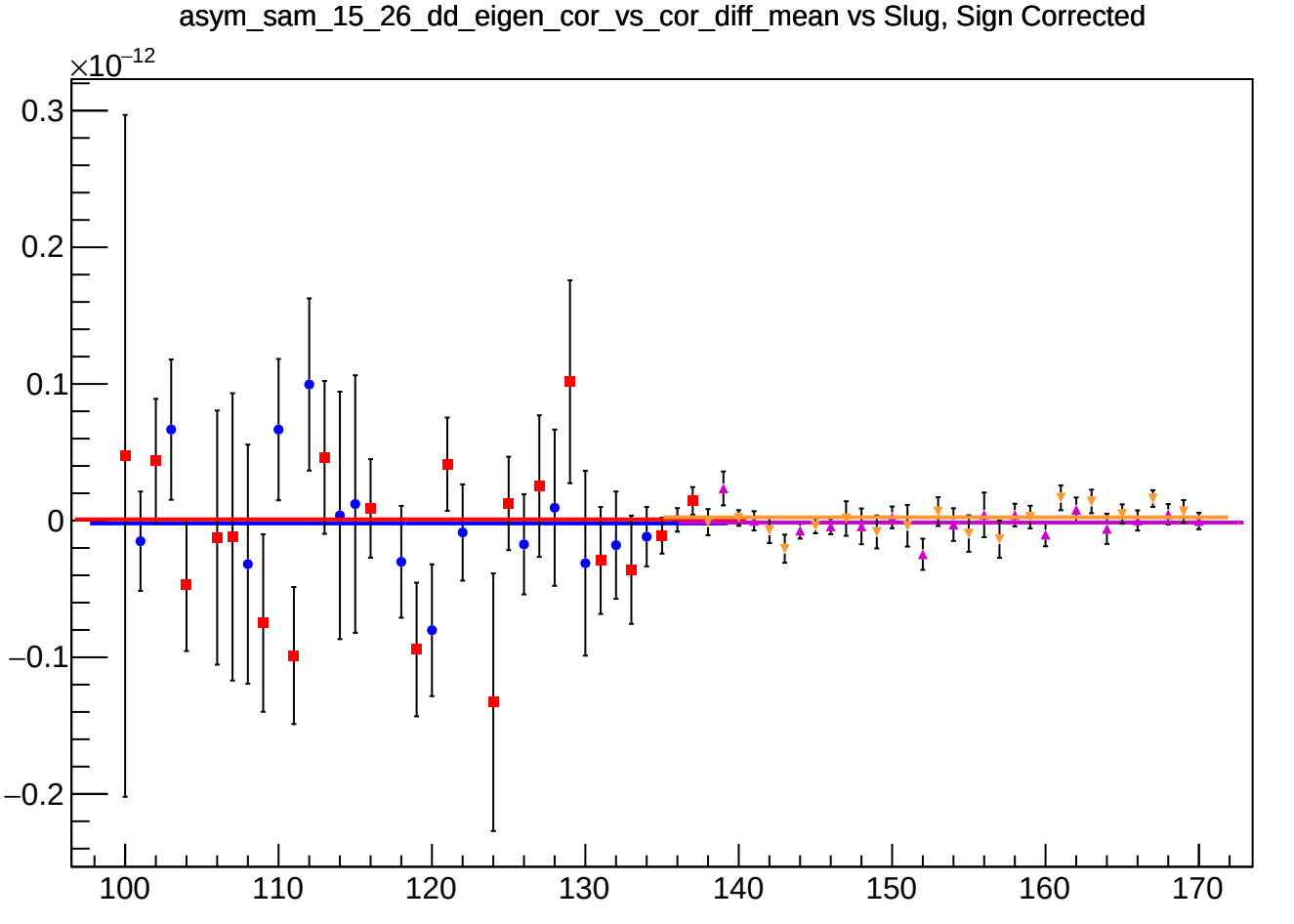
Left: 29.932+/-0.004 χ^2/NDF: 2057089.6/32

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

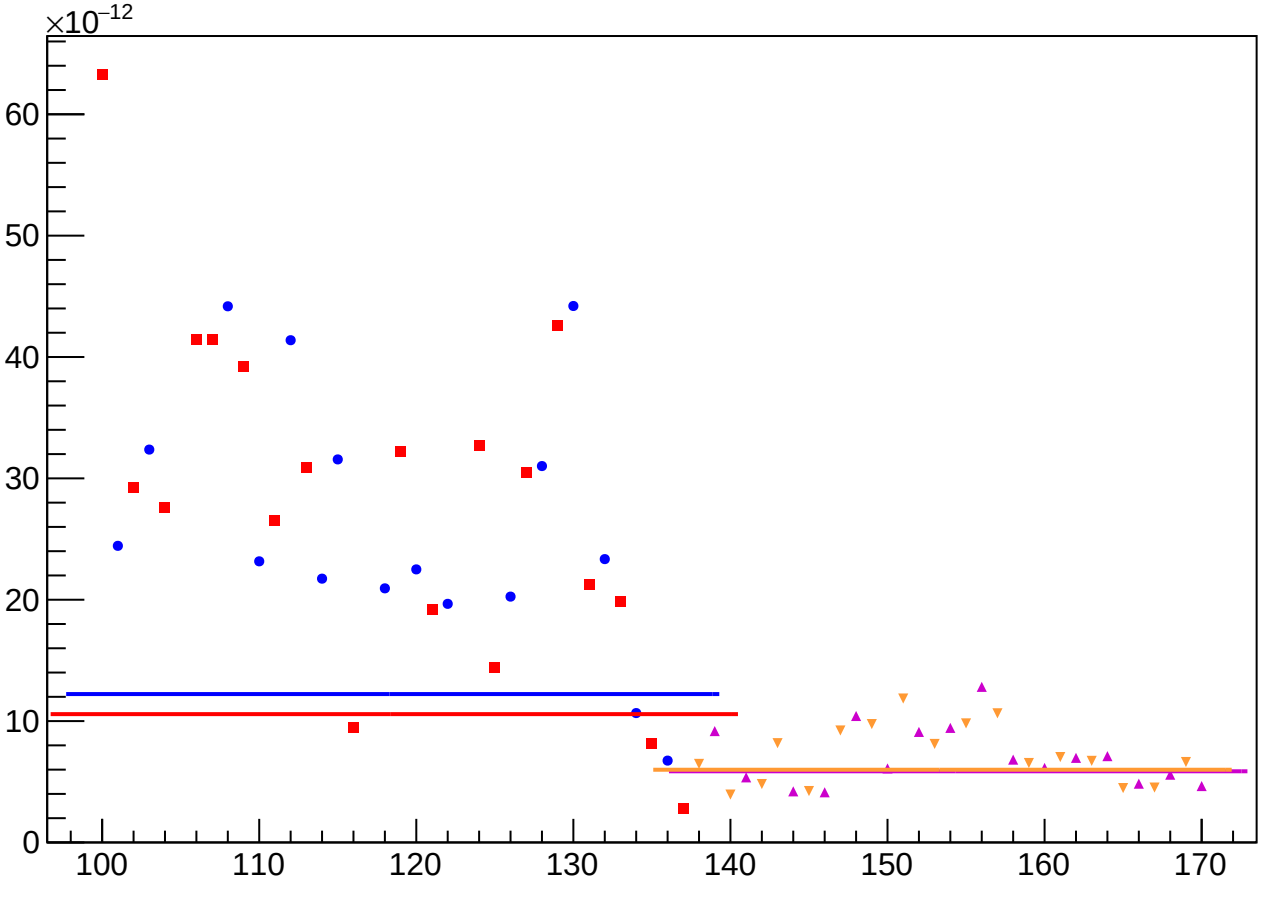
In: 29.767+/-0.005 χ^2/NDF:2521311.5/31

Out: 30.011+/-0.005 χ^2/NDF:3074391.0/35

All: 29.890+/-0.003 χ^2/NDF: 5596938.5/67


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 10.4/15
Left Out: 0.000+/-0.000 χ²/NDF:20.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/15
Left: 0.000+/-0.000 χ²/NDF: 35.5/32
Right: -0.000+/-0.000 χ²/NDF: 31.9/34
In: -0.000+/-0.000 χ²/NDF:23.9/31
Out: 0.000+/-0.000 χ²/NDF:41.8/35
All: 0.000+/-0.000 χ²/NDF: 67.4/67

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:1952741.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1655421.8/15

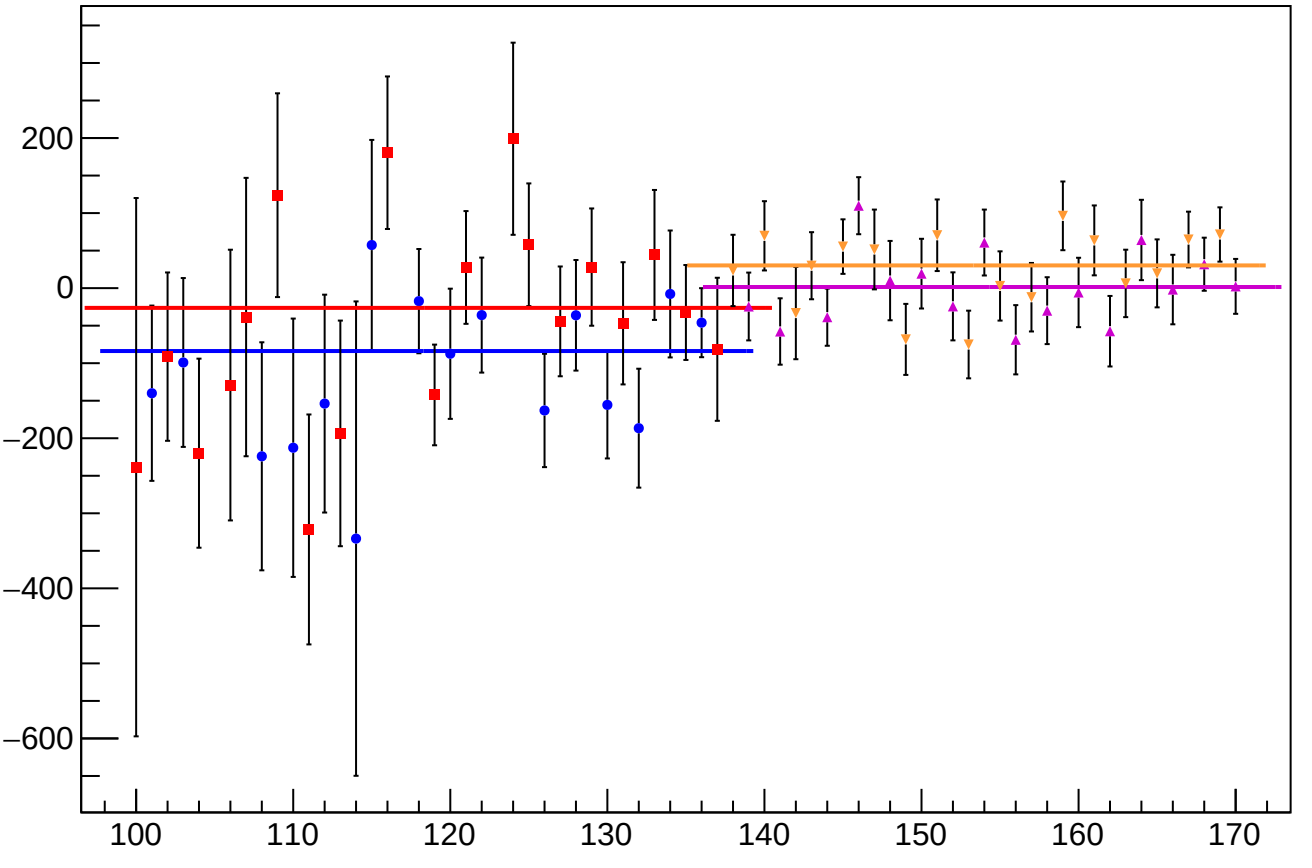
Left: 0.000+/-0.000 χ^2/NDF: 3612019.0/32

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6691622.1/31

Out: 0.000+/-0.000 χ^2/NDF:7586196.6/35

All: 0.000+/-0.000 χ^2/NDF: 14277833.5/67



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 30.281+/-10.828 χ^2/NDF:19.3/16

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 1.513+/-10.868 χ^2/NDF:20.2/15

Left: 15.950+/-7.671 χ^2/NDF: 43.0/32

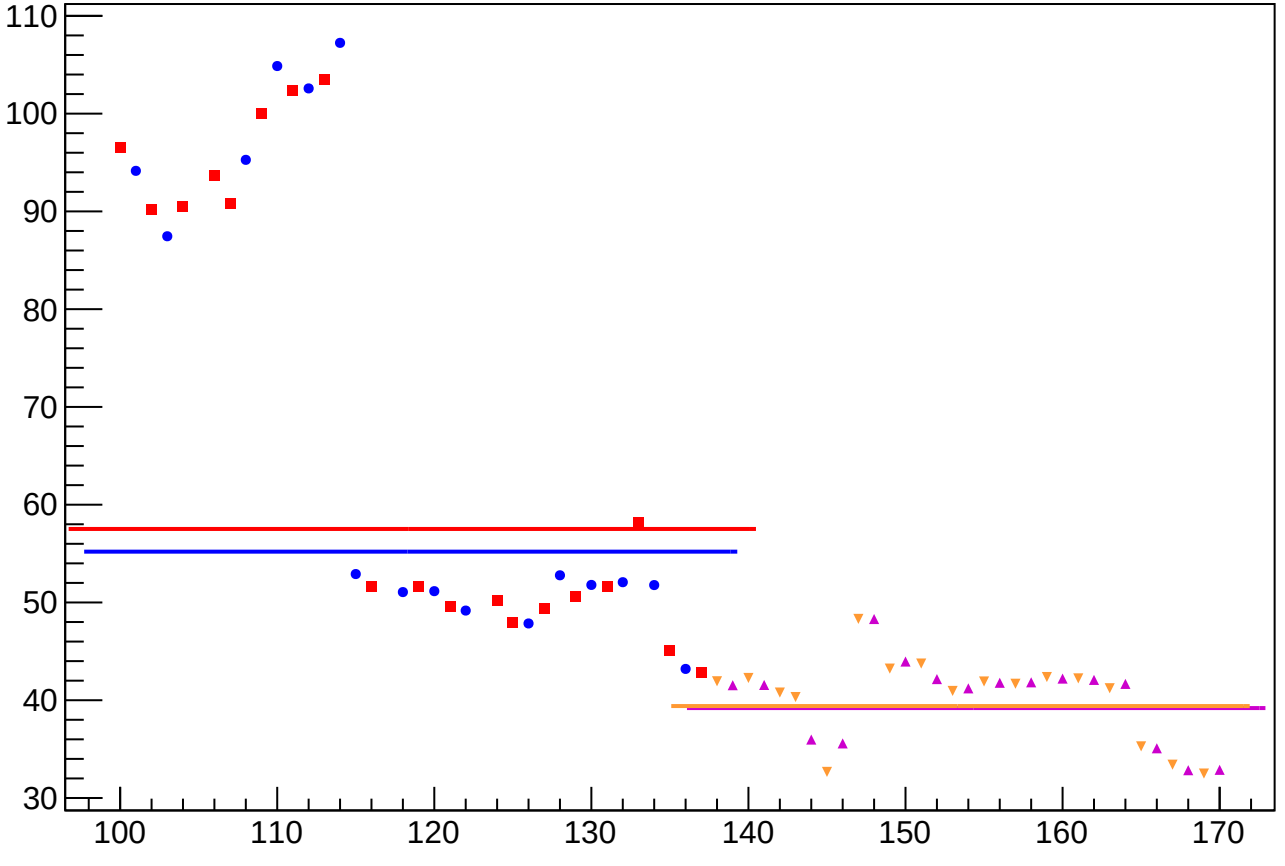
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -15.935+/-9.693 χ^2/NDF:43.4/31

Out: 19.301+/-9.721 χ^2/NDF:47.5/35

All: 1.632+/-6.864 χ^2/NDF: 97.5/67

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 39.404+/-0.008 χ^2/NDF:344004.7/16

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.301+/-0.005 χ^2/NDF: 654638.4/32

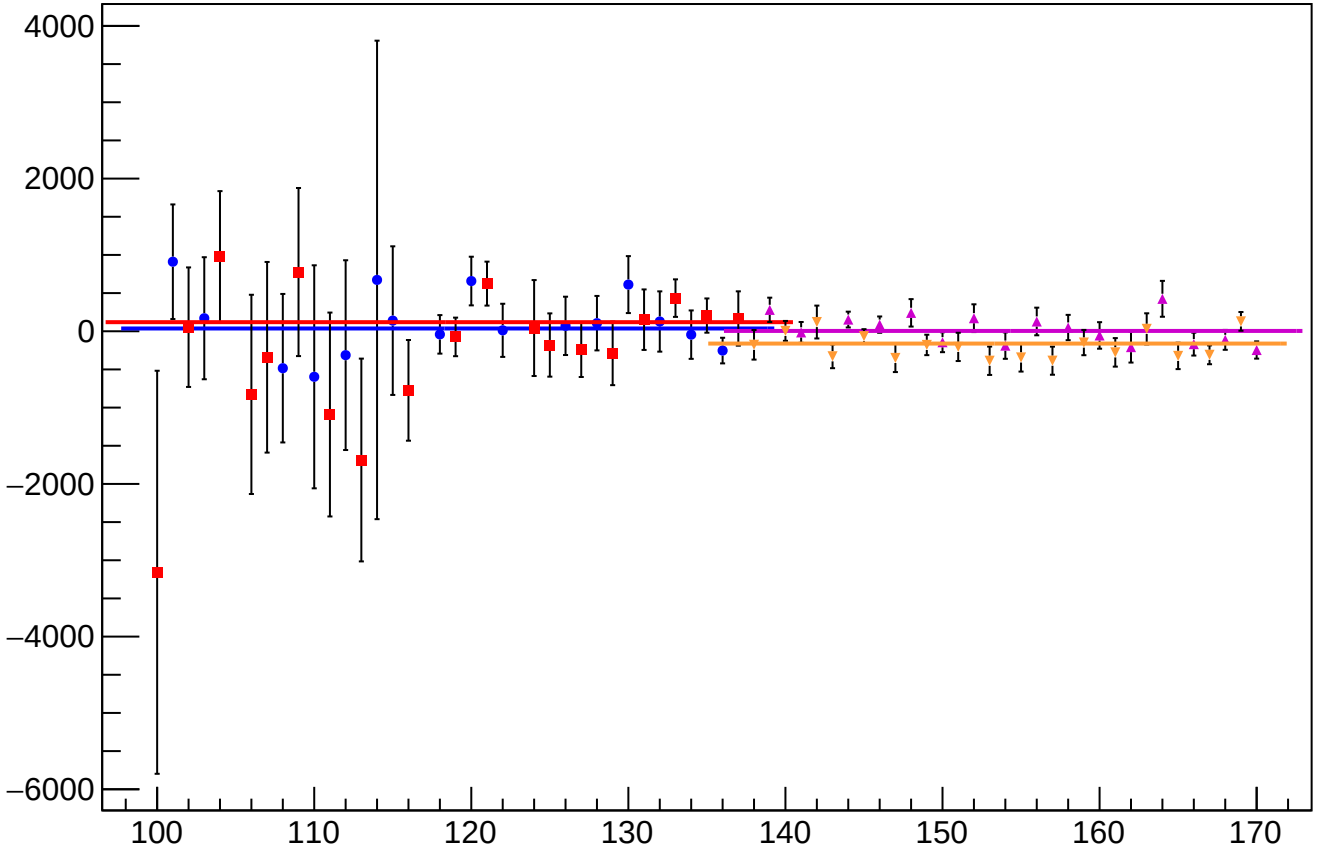
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 42.470+/-0.007 χ^2/NDF:2349338.1/31

Out: 42.920+/-0.007 χ^2/NDF:2712045.5/35

All: 42.694+/-0.005 χ^2/NDF: 5063529.0/67

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: -161.310+/-37.161 χ^2/NDF:19.8/16

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 4.292+/-36.481 χ^2/NDF:22.7/15

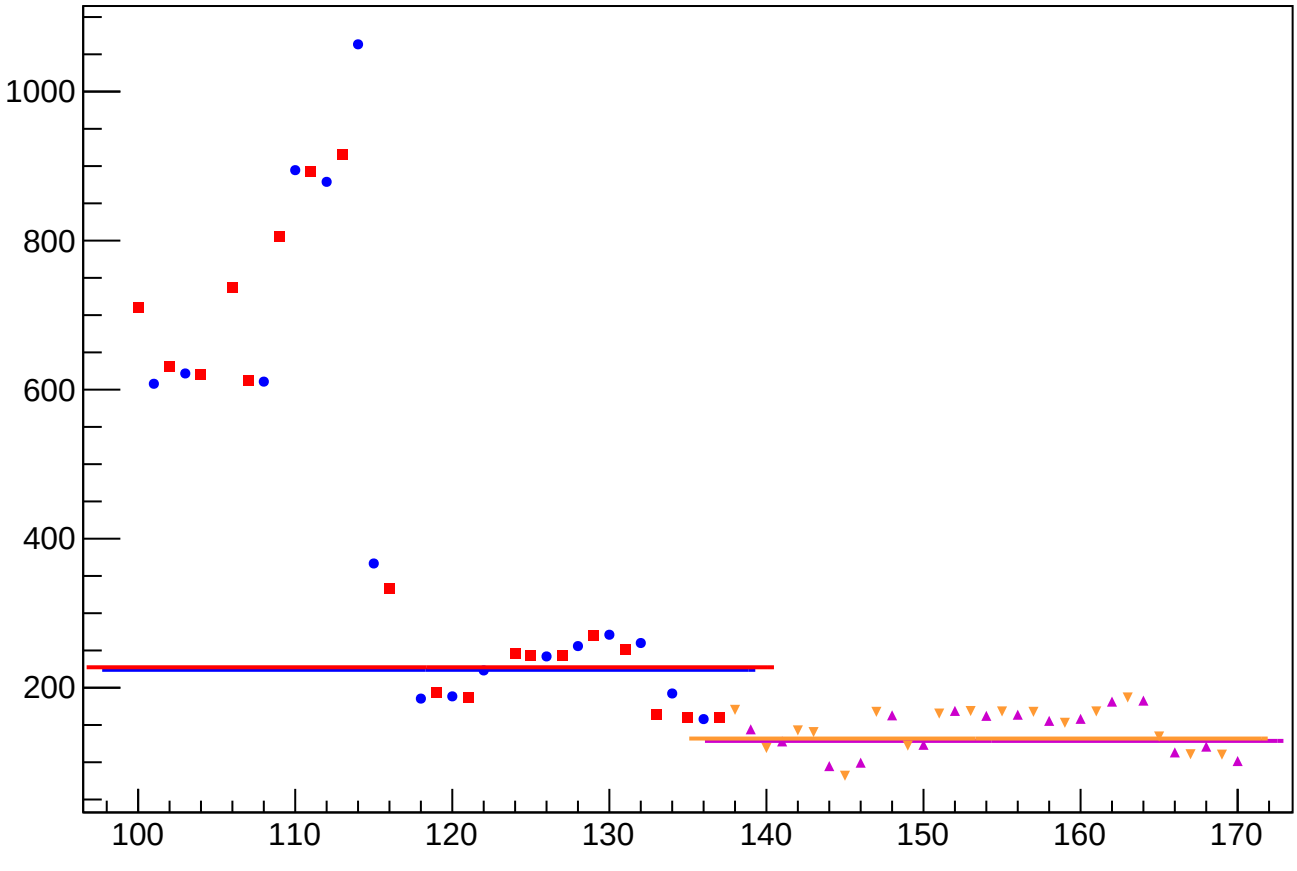
Left: -76.979+/-26.033 χ^2/NDF: 52.7/32

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -124.648+/-34.648 χ^2/NDF:43.3/35

All: -56.786+/-24.263 χ^2/NDF: 85.1/67



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 131.808+/-0.026 χ^2/NDF:1461008.3/16

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 128.657+/-0.026 χ^2/NDF:1201053.3/15

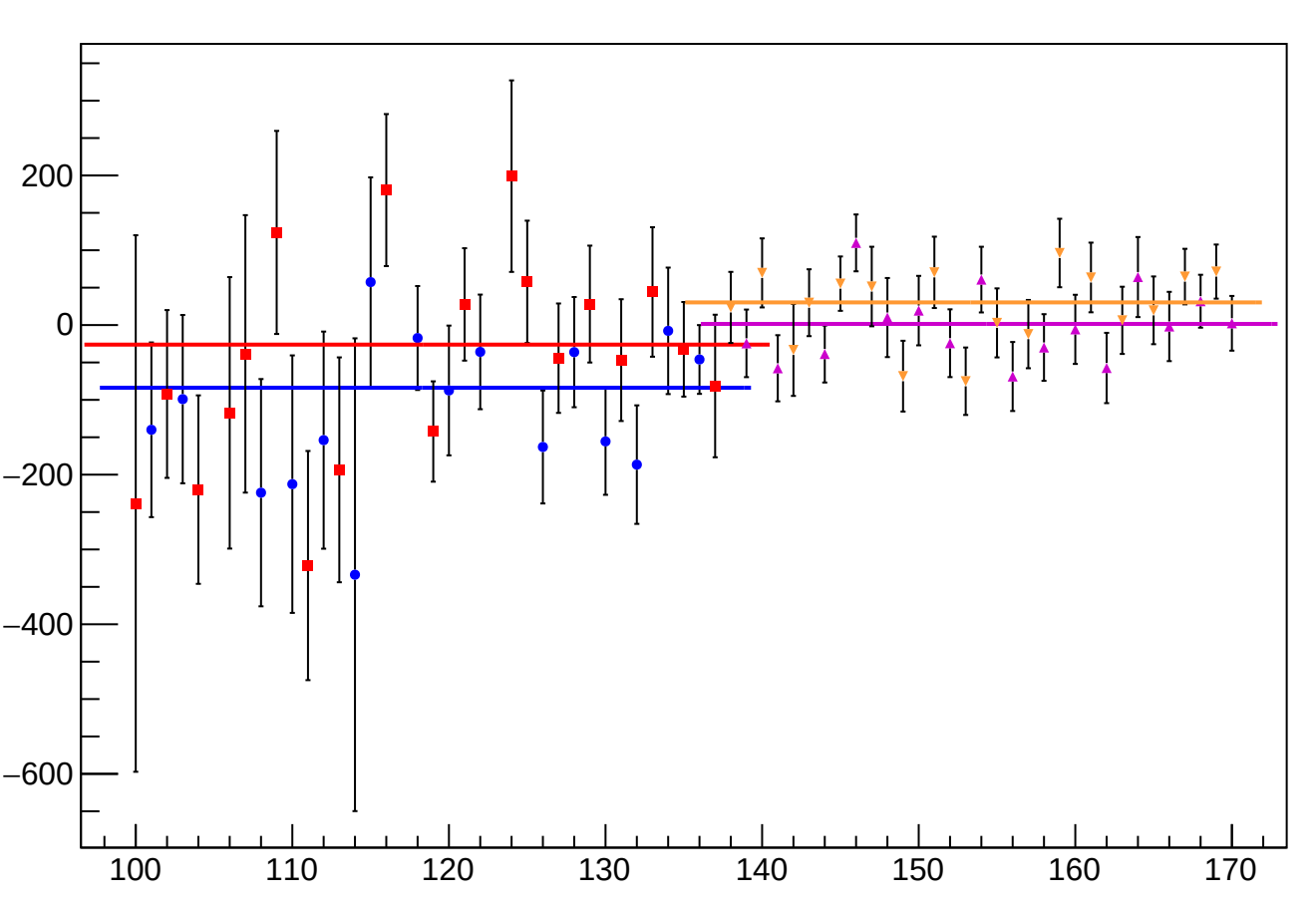
Left: 130.203+/-0.018 χ^2/NDF: 2669385.0/32

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 141.245+/-0.024 χ^2/NDF:5973442.4/31

Out: 144.310+/-0.024 χ^2/NDF:6833305.7/35

All: 142.748+/-0.017 χ^2/NDF: 12814724.9/67



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 30.283+/-10.828 χ^2/NDF:19.3/16

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 1.512+/-10.868 χ^2/NDF:20.2/15

Left: 15.950+/-7.671 χ^2/NDF: 43.0/32

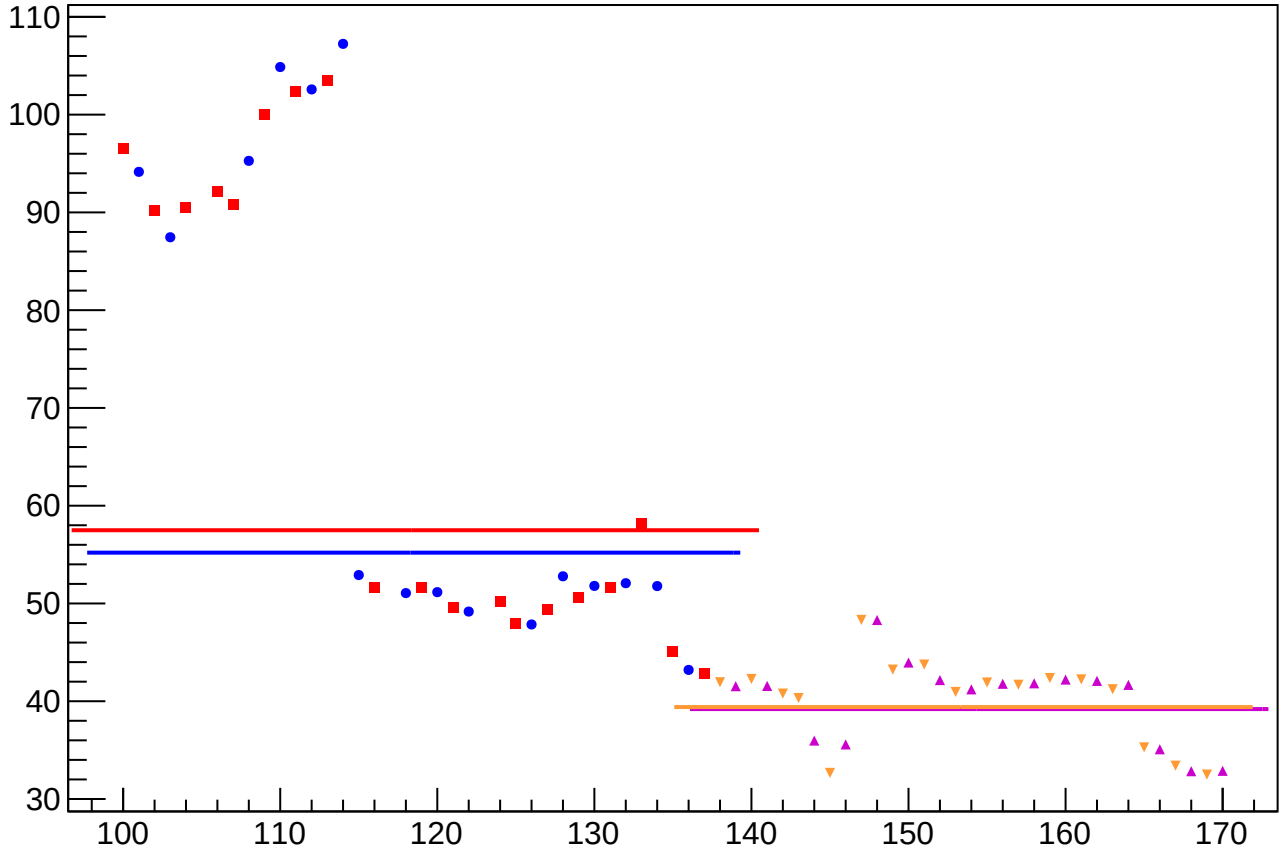
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -15.936+/-9.693 χ^2/NDF:43.4/31

Out: 19.335+/-9.721 χ^2/NDF:47.5/35

All: 1.648+/-6.864 χ^2/NDF: 97.4/67

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: 39.404+/-0.008 χ^2/NDF:344004.7/16

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.301+/-0.005 χ^2/NDF: 654638.4/32

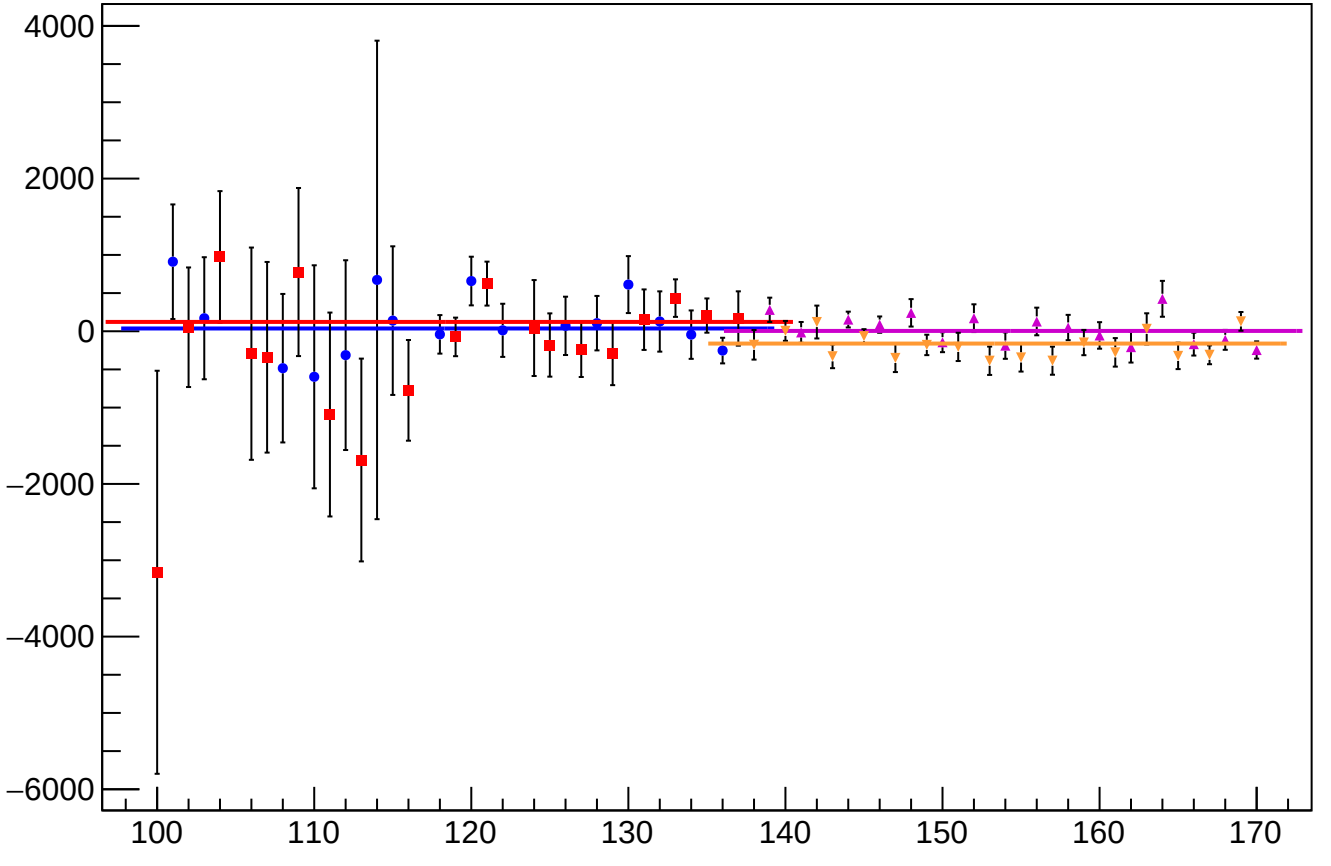
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 42.470+/-0.007 χ^2/NDF:2349338.3/31

Out: 42.913+/-0.007 χ^2/NDF:2701012.2/35

All: 42.691+/-0.005 χ^2/NDF: 5052437.6/67

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: -161.311+/-37.161 χ^2/NDF:19.8/16

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 4.293+/-36.481 χ^2/NDF:22.7/15

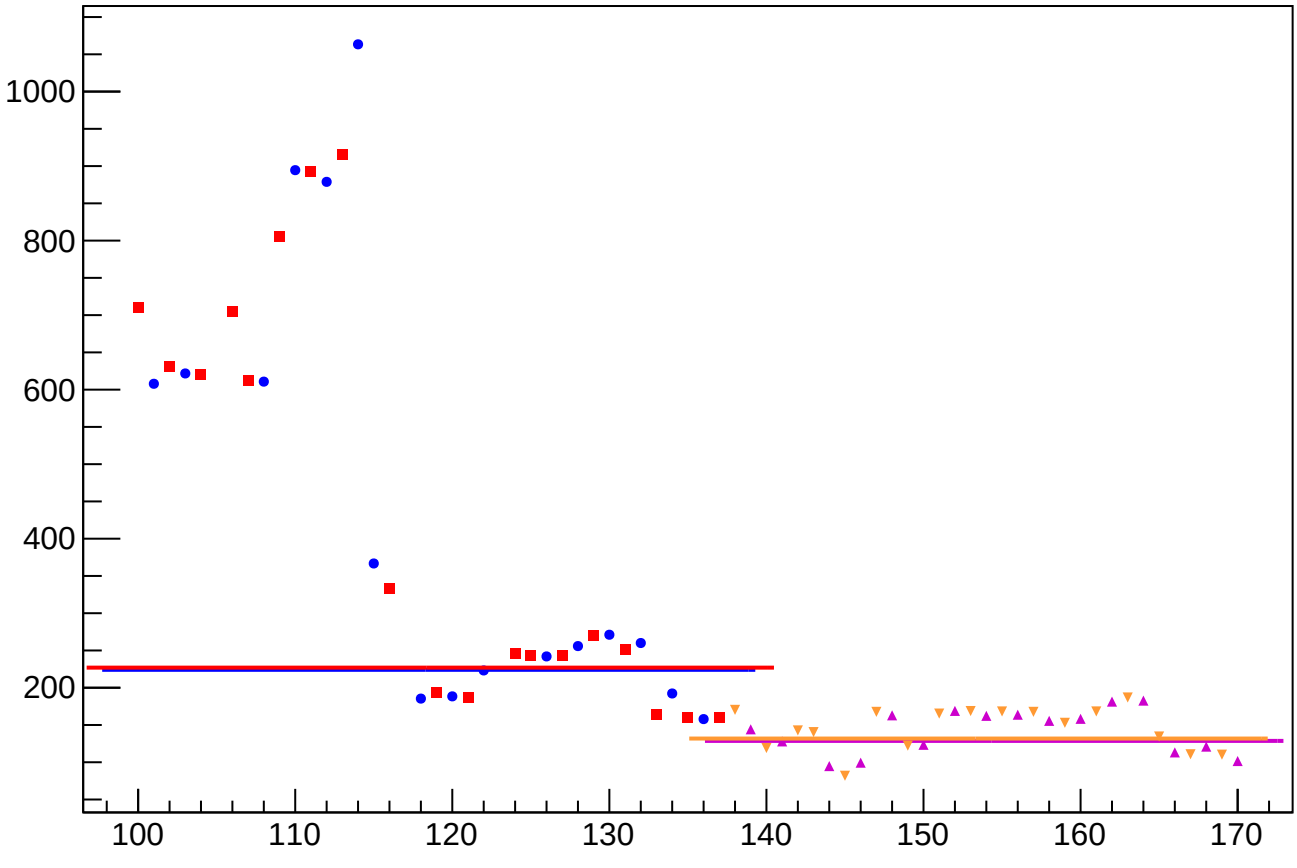
Left: -76.979+/-26.033 χ^2/NDF: 52.7/32

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -124.262+/-34.649 χ^2/NDF:43.0/35

All: -56.594+/-24.264 χ^2/NDF: 84.8/67



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 131.808+/-0.026 χ^2/NDF:1461008.3/16

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.657+/-0.026 χ^2/NDF:1201058.8/15

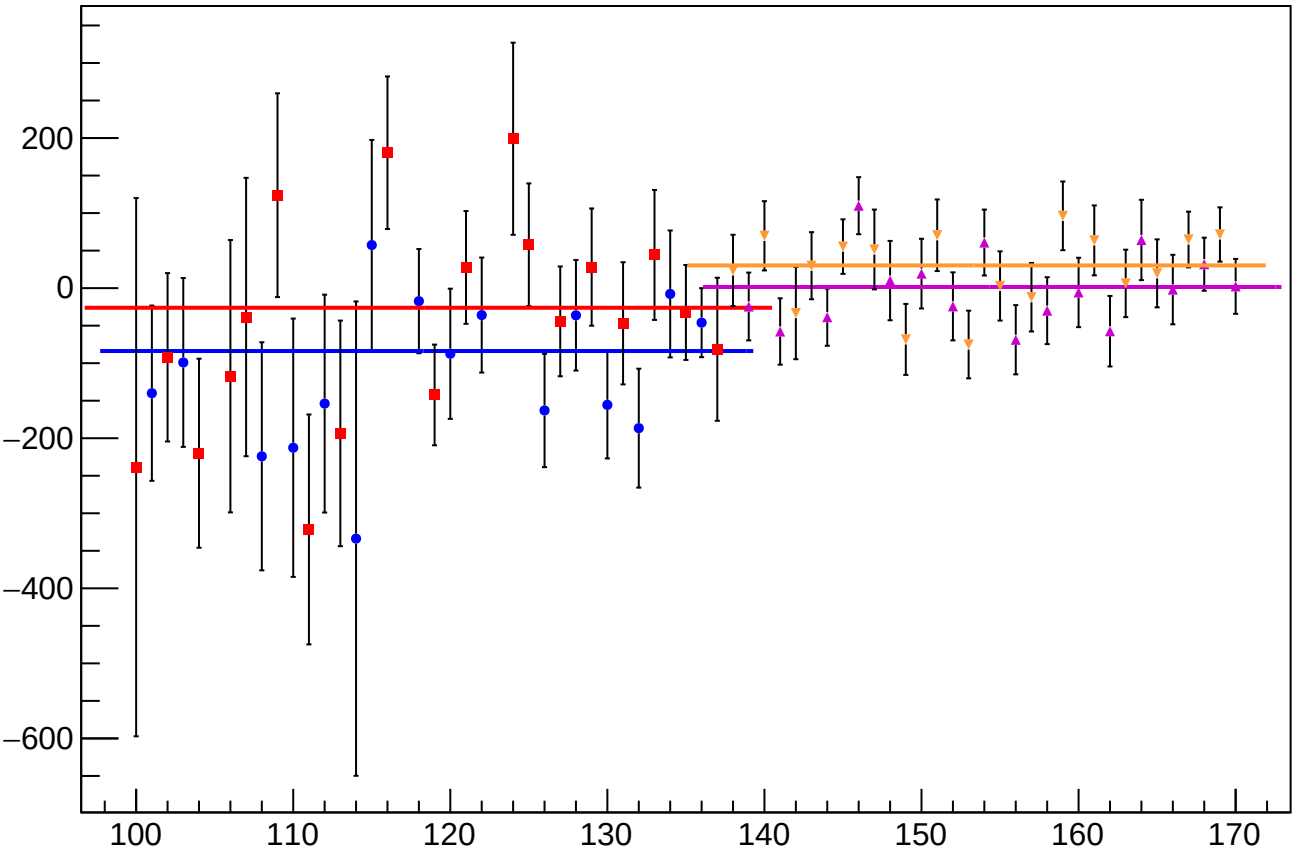
Left: 130.203+/-0.018 χ^2/NDF: 2669390.9/32

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 141.245+/-0.024 χ^2/NDF:5973457.6/31

Out: 144.240+/-0.025 χ^2/NDF:6746310.8/35

All: 142.713+/-0.017 χ^2/NDF: 12727386.2/67



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 30.283+/-10.828 χ^2/NDF:19.3/16

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 1.512+/-10.868 χ^2/NDF:20.2/15

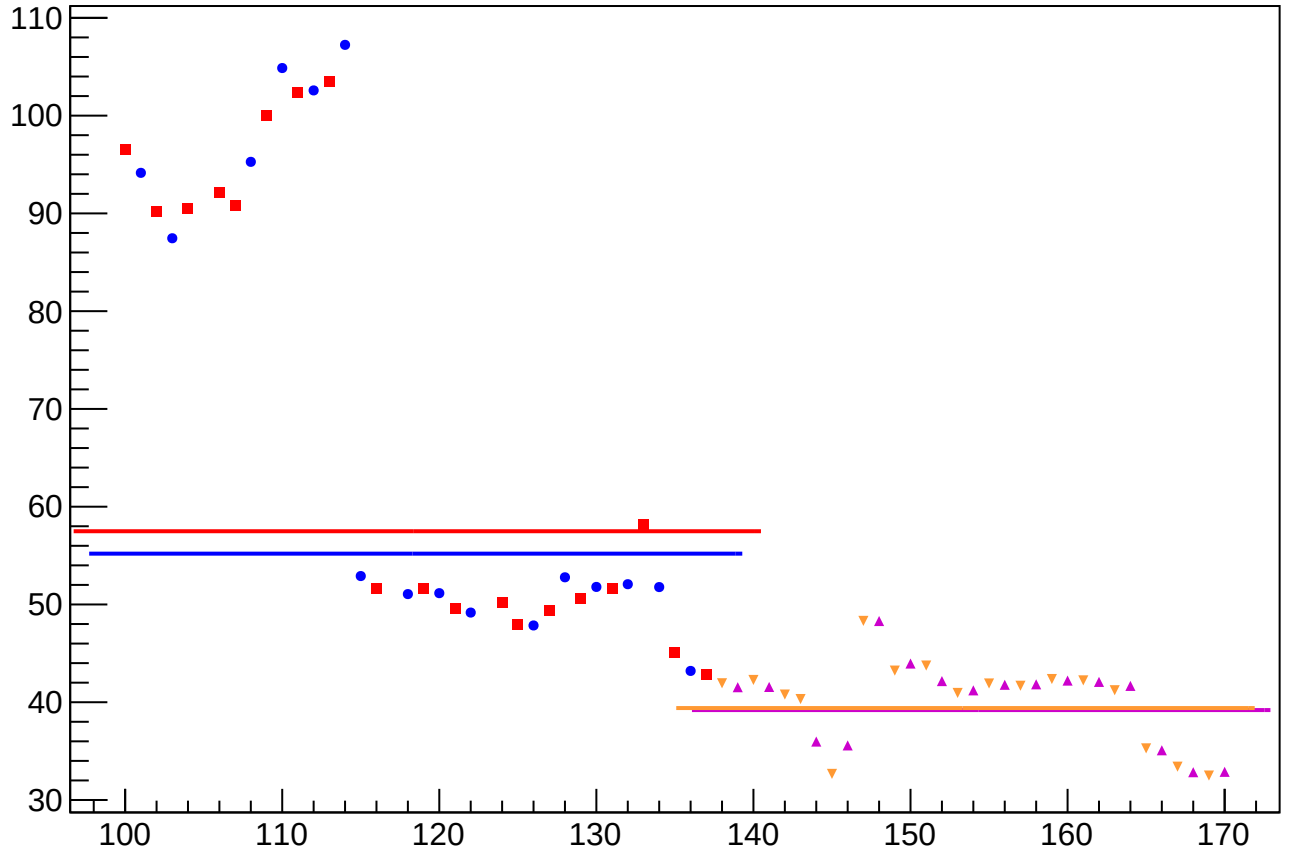
Left: 15.950+/-7.671 χ^2/NDF: 43.0/32

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -15.936+/-9.693 χ^2/NDF:43.4/31

Out: 19.335+/-9.721 χ^2/NDF:47.5/35

All: 1.648+/-6.864 χ^2/NDF: 97.4/67



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.404+/-0.008 χ^2/NDF:344004.7/16

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.301+/-0.005 χ^2/NDF: 654638.4/32

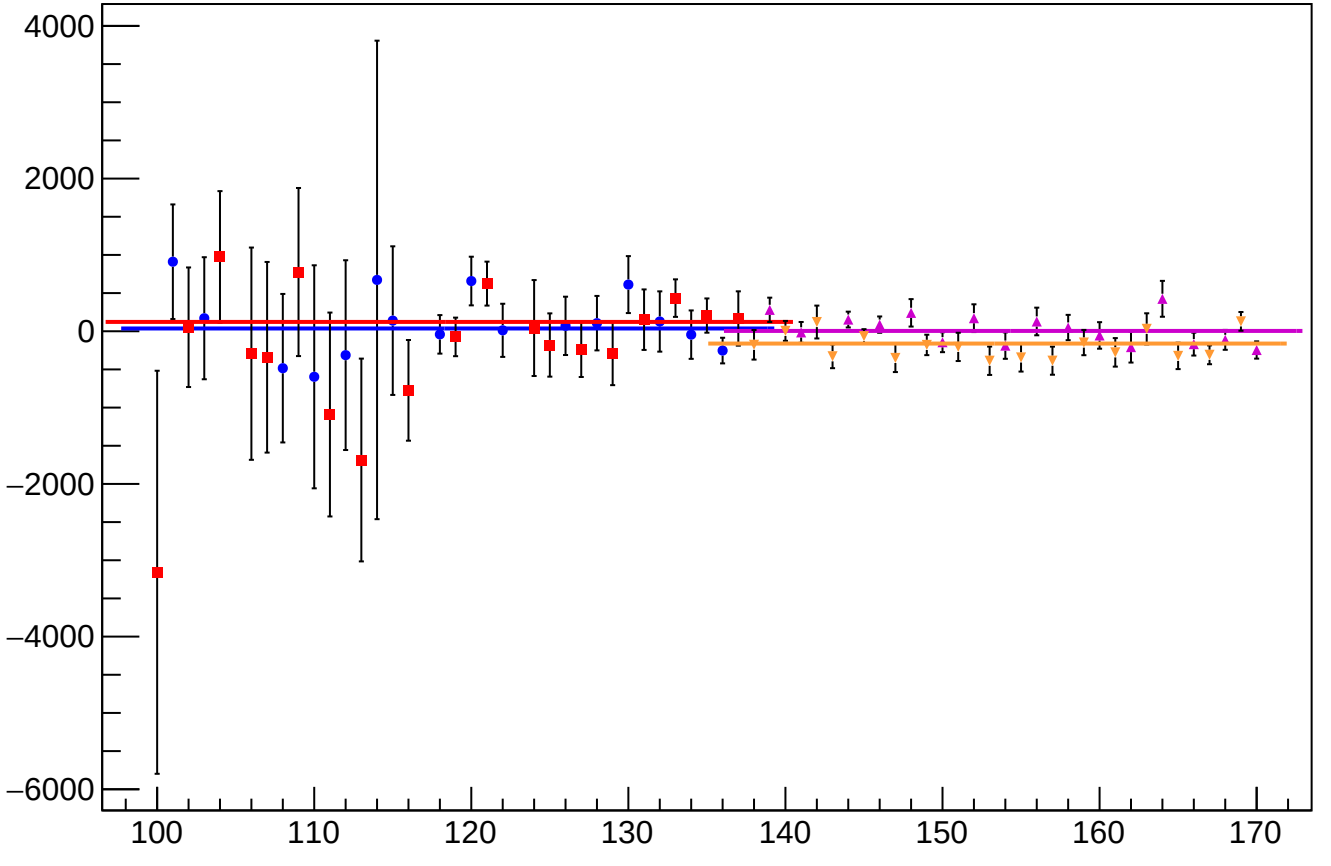
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 42.470+/-0.007 χ^2/NDF:2349338.3/31

Out: 42.913+/-0.007 χ^2/NDF:2701012.2/35

All: 42.691+/-0.005 χ^2/NDF: 5052437.6/67

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: -161.311+/-37.161 χ^2/NDF:19.8/16

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 4.293+/-36.481 χ^2/NDF:22.7/15

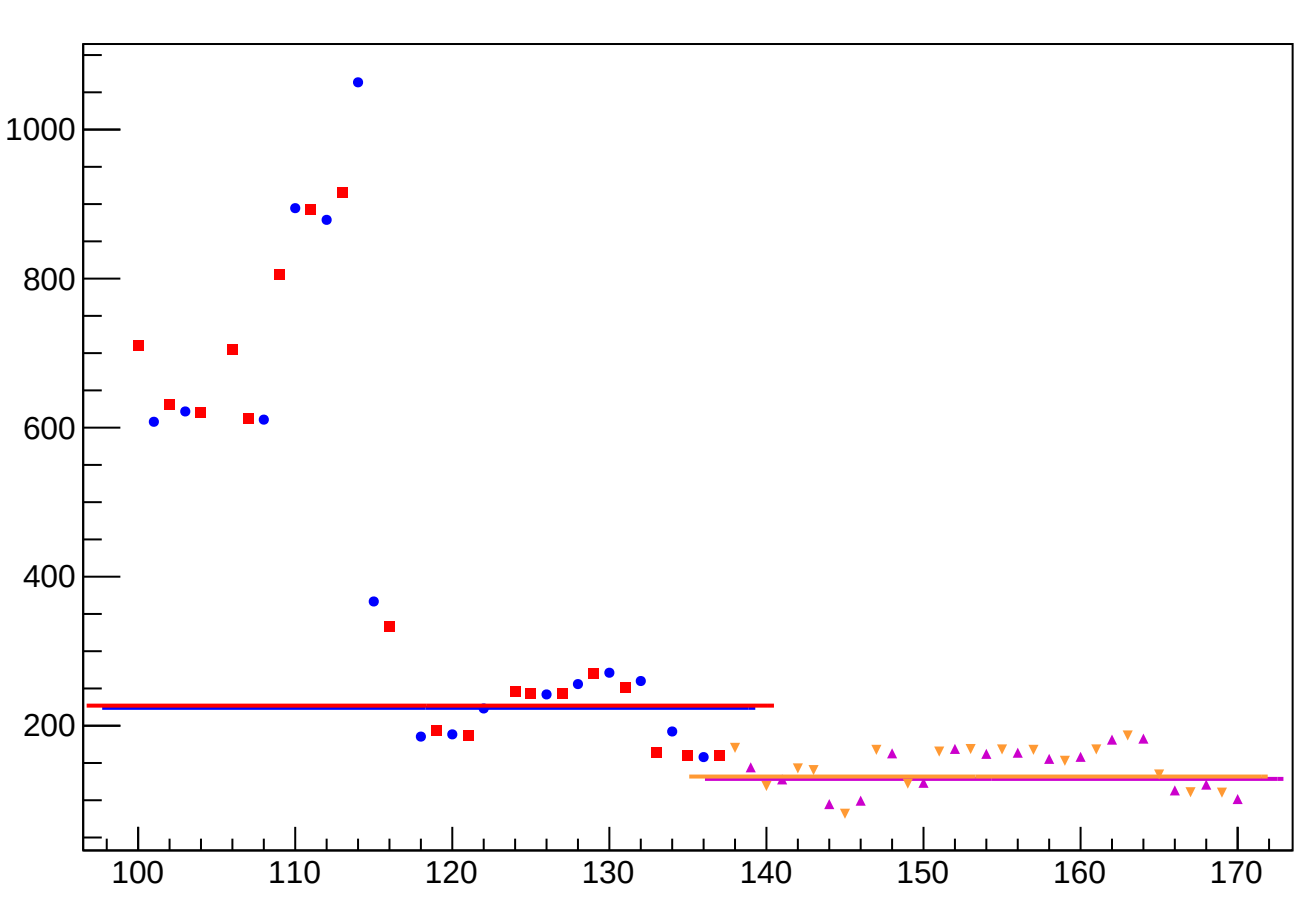
Left: -76.979+/-26.033 χ^2/NDF: 52.7/32

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -124.262+/-34.649 χ^2/NDF:43.0/35

All: -56.594+/-24.264 χ^2/NDF: 84.8/67



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 131.808+/-0.026 χ^2/NDF:1461008.3/16

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 128.657+/-0.026 χ^2/NDF:1201058.8/15

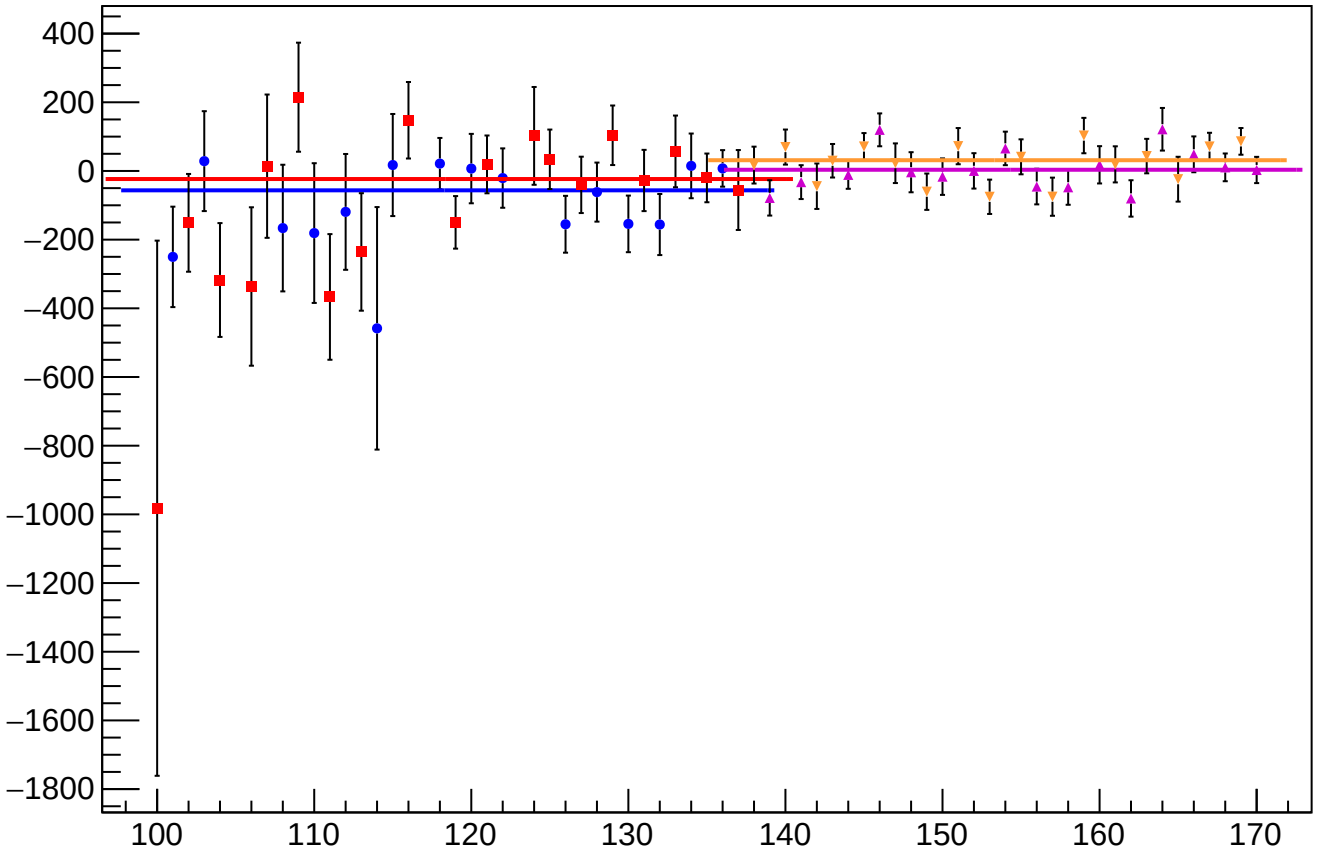
Left: 130.203+/-0.018 χ^2/NDF: 2669390.9/32

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 141.245+/-0.024 χ^2/NDF:5973457.6/31

Out: 144.240+/-0.025 χ^2/NDF:6746310.8/35

All: 142.713+/-0.017 χ^2/NDF: 12727386.2/67



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 31.295+/-12.109 χ^2/NDF:20.6/16

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 3.492+/-12.262 χ^2/NDF:19.7/15

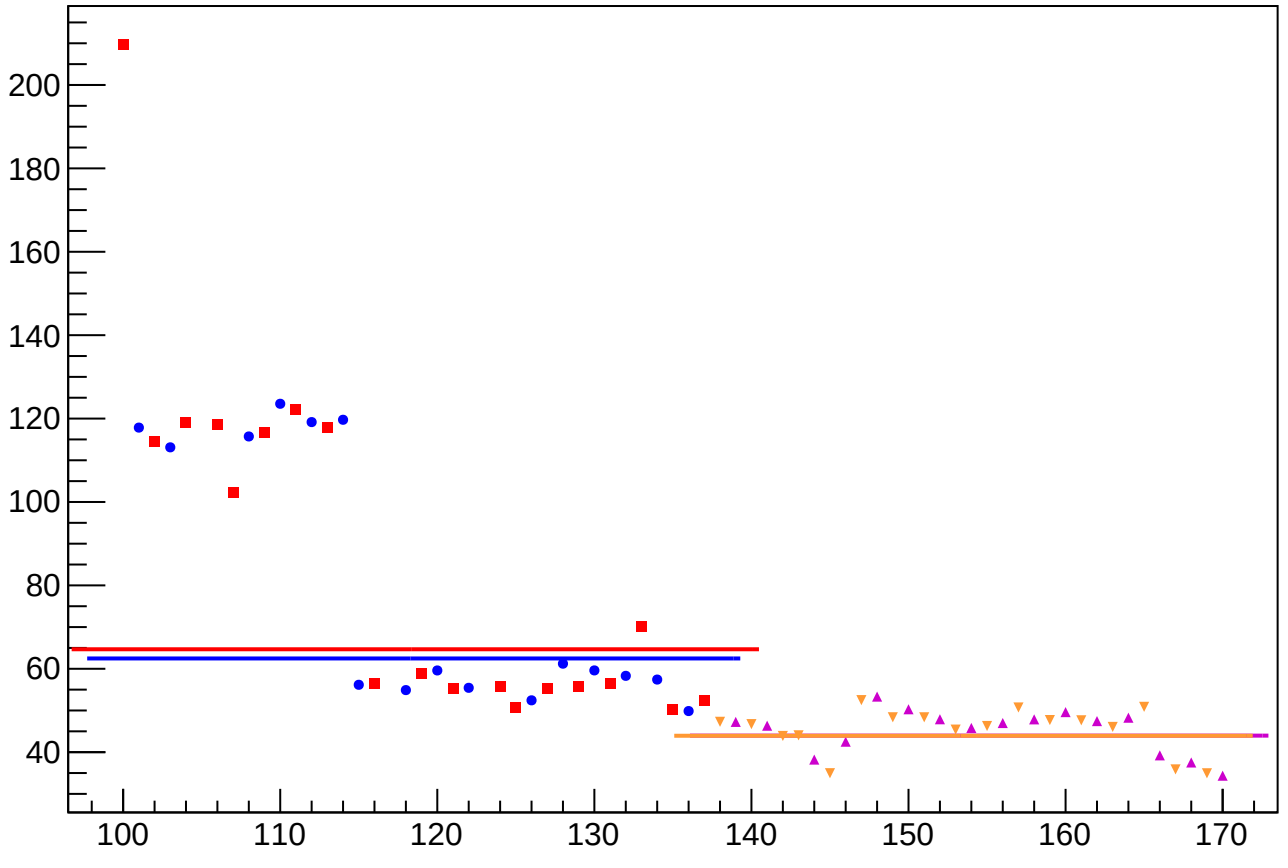
Left: 17.569+/-8.616 χ^2/NDF: 42.9/32

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -8.517+/-10.965 χ^2/NDF:36.8/31

Out: 20.991+/-10.911 χ^2/NDF:48.6/35

All: 6.309+/-7.734 χ^2/NDF: 88.9/67



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.940+/-0.009 χ^2/NDF:462895.4/16

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 43.970+/-0.009 χ^2/NDF:400795.6/15

Left: 43.955+/-0.006 χ^2/NDF: 863697.3/32

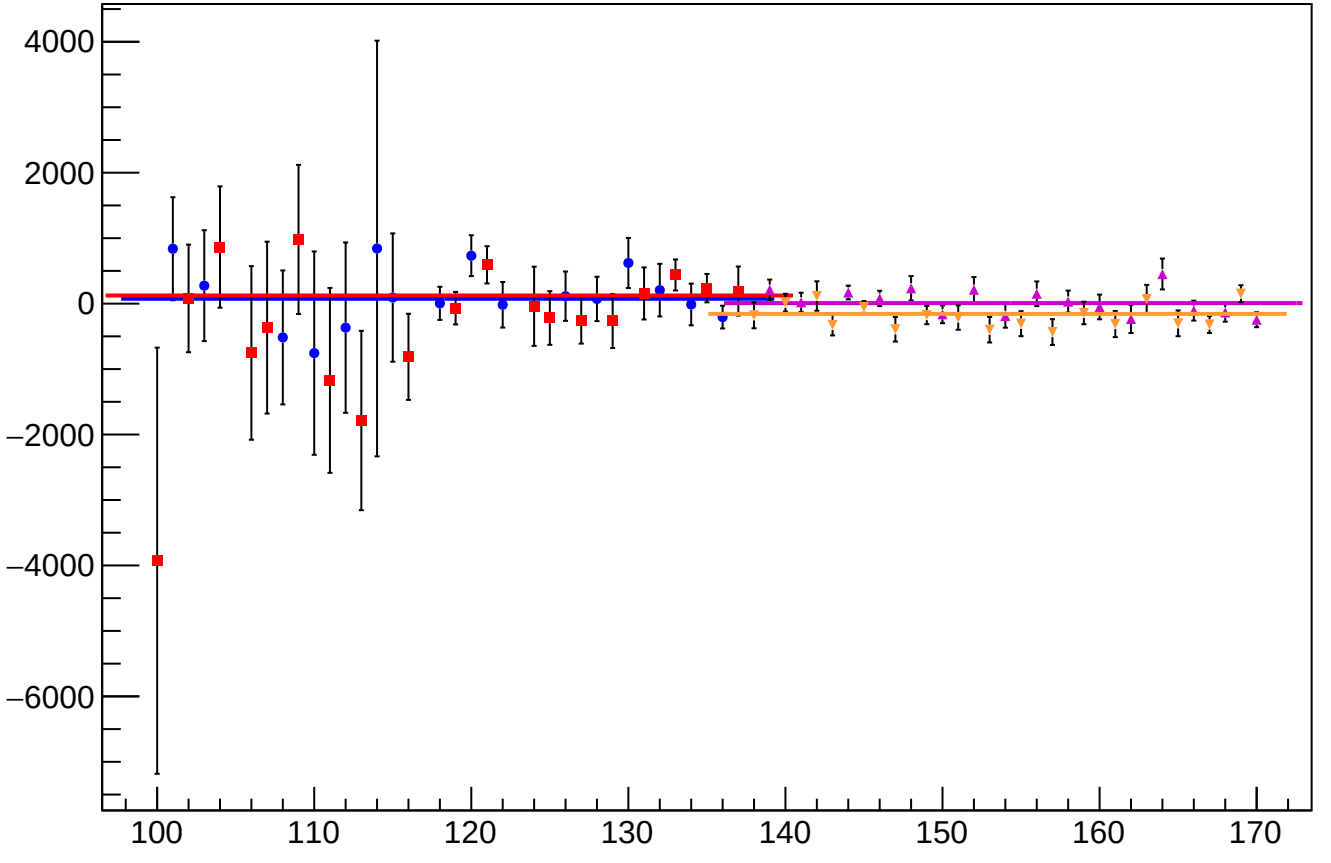
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 47.680+/-0.008 χ^2/NDF:2662011.7/31

Out: 47.840+/-0.008 χ^2/NDF:3156824.2/35

All: 47.760+/-0.005 χ^2/NDF: 5819051.2/67

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -156.691+/-38.476 χ^2/NDF:20.9/16

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 8.228+/-37.965 χ^2/NDF:21.9/15

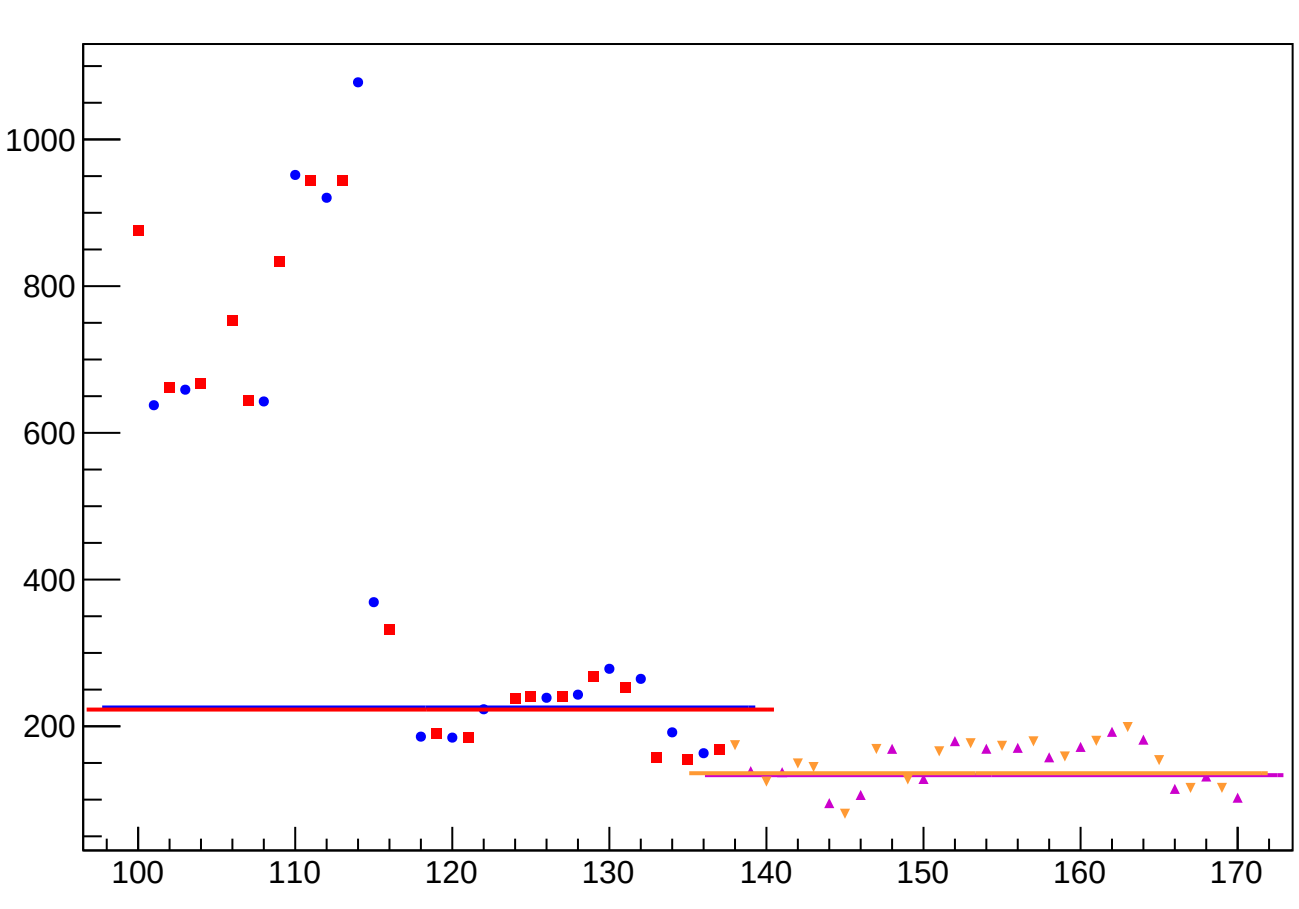
Left: -73.129+/-27.024 χ^2/NDF: 52.1/32

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 17.411+/-35.228 χ^2/NDF:33.5/31

Out: -116.869+/-35.644 χ^2/NDF:44.8/35

All: -48.940+/-25.056 χ^2/NDF: 85.5/67



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 136.009+/-0.027 χ^2/NDF:1650386.5/16

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 133.358+/-0.027 χ^2/NDF:1260251.9/15

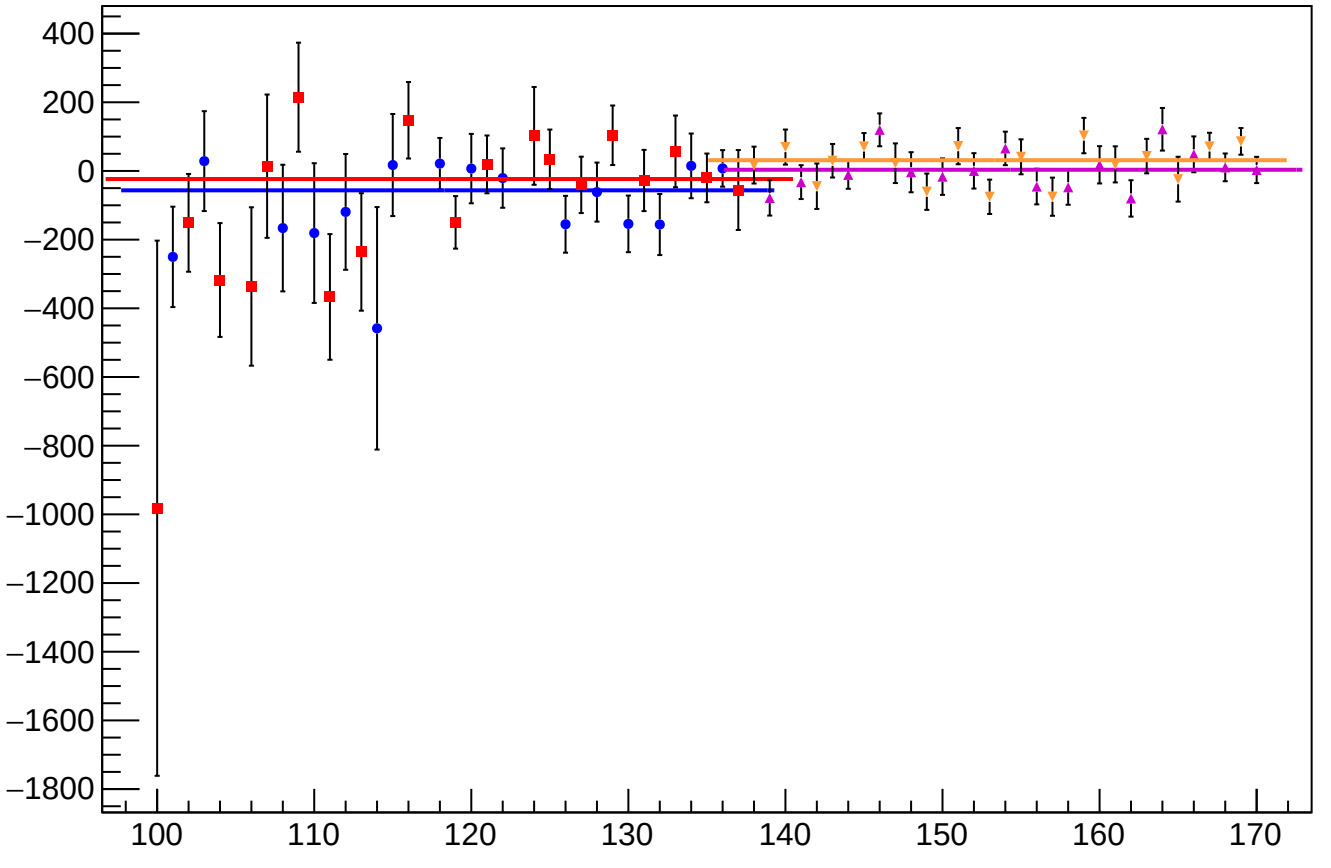
Left: 134.666+/-0.019 χ^2/NDF: 2915447.8/32

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 146.181+/-0.025 χ^2/NDF:5927739.1/31

Out: 148.311+/-0.025 χ^2/NDF:6940862.1/35

All: 147.234+/-0.018 χ^2/NDF: 12872216.5/67



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 31.296+/-12.109 χ^2/NDF:20.6/16

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 3.493+/-12.262 χ^2/NDF:19.7/15

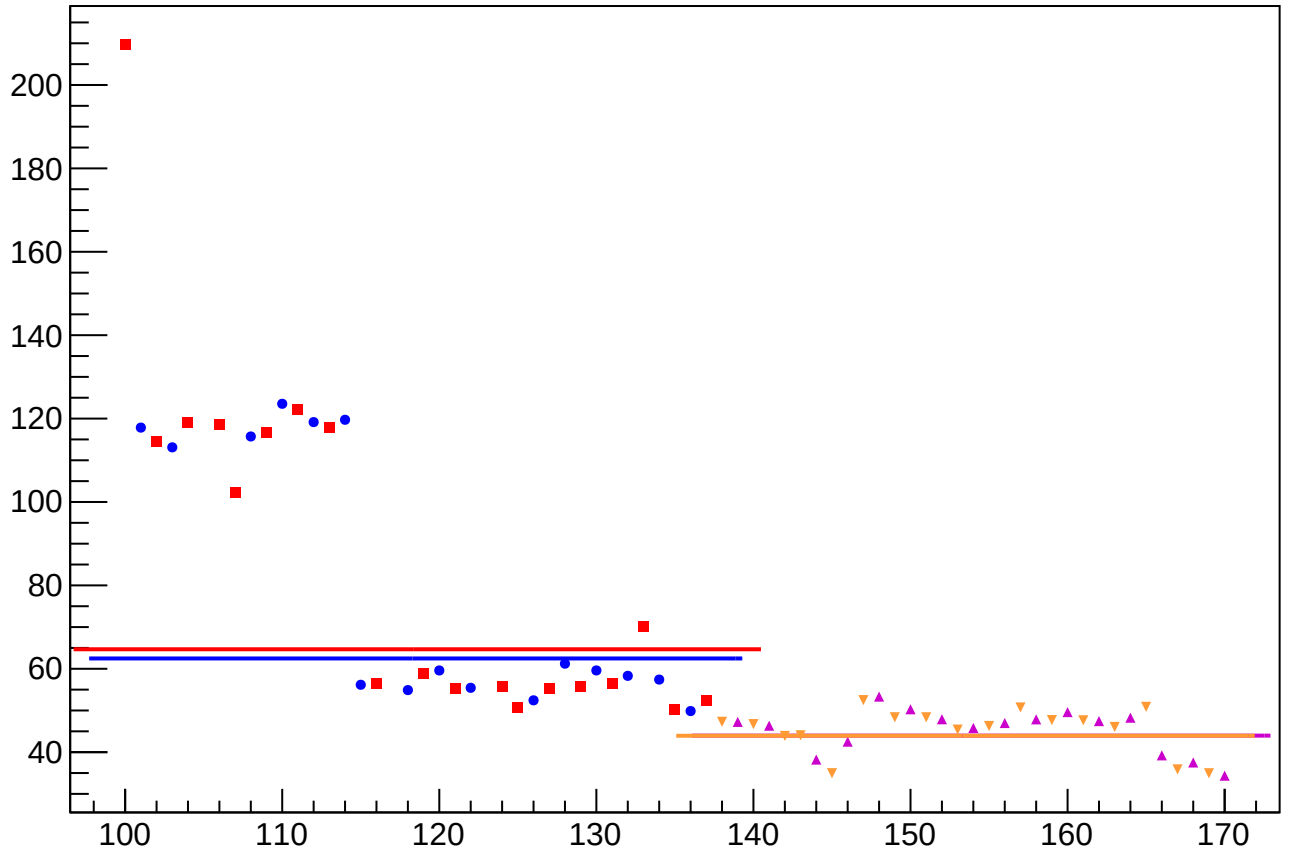
Left: 17.569+/-8.616 χ^2/NDF: 42.9/32

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -8.517+/-10.965 χ^2/NDF:36.8/31

Out: 20.991+/-10.911 χ^2/NDF:48.6/35

All: 6.309+/-7.734 χ^2/NDF: 88.9/67



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.940+/-0.009 χ^2/NDF:462908.5/16

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 43.970+/-0.009 χ^2/NDF:400803.2/15

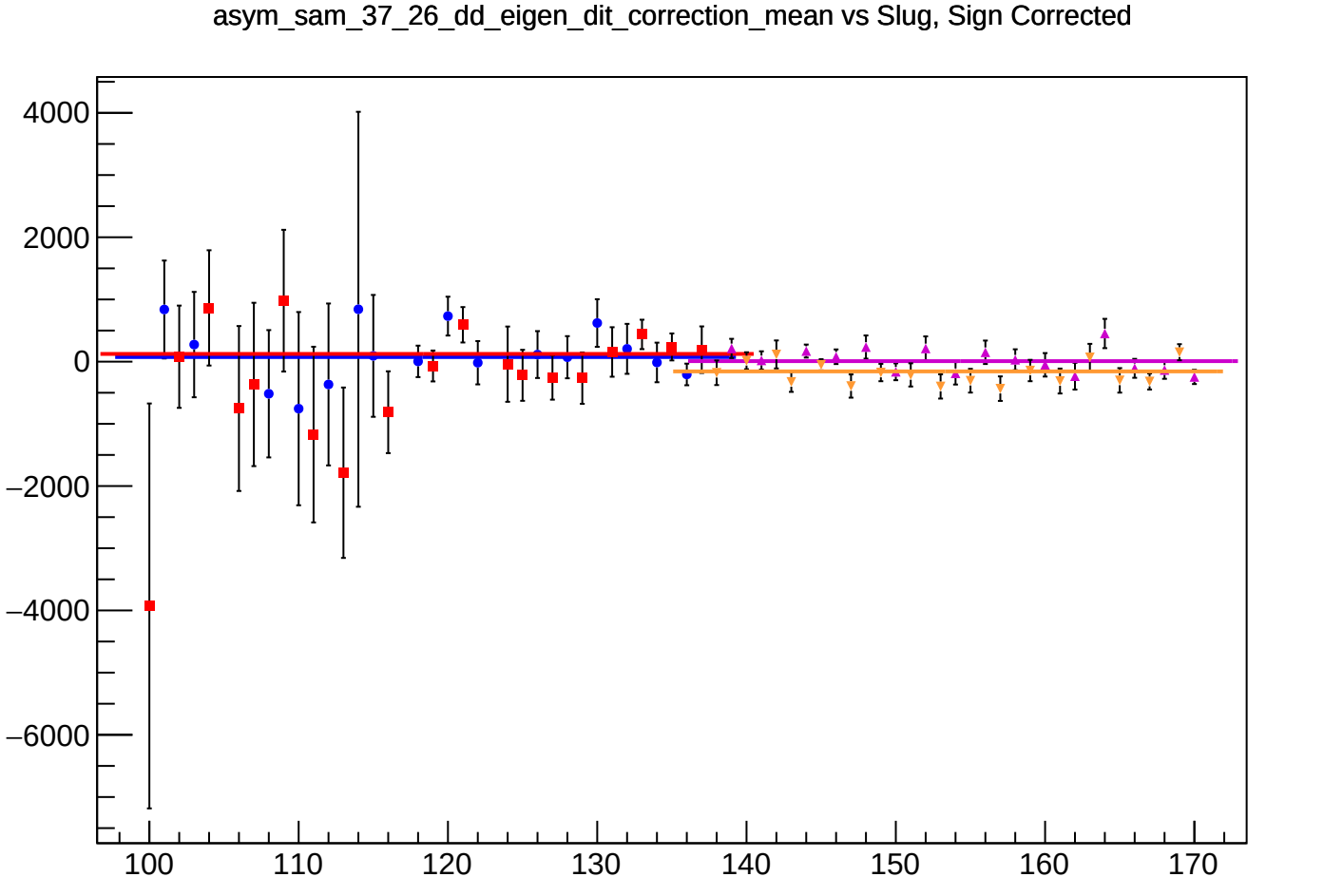
Left: 43.955+/-0.006 χ^2/NDF: 863717.9/32

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

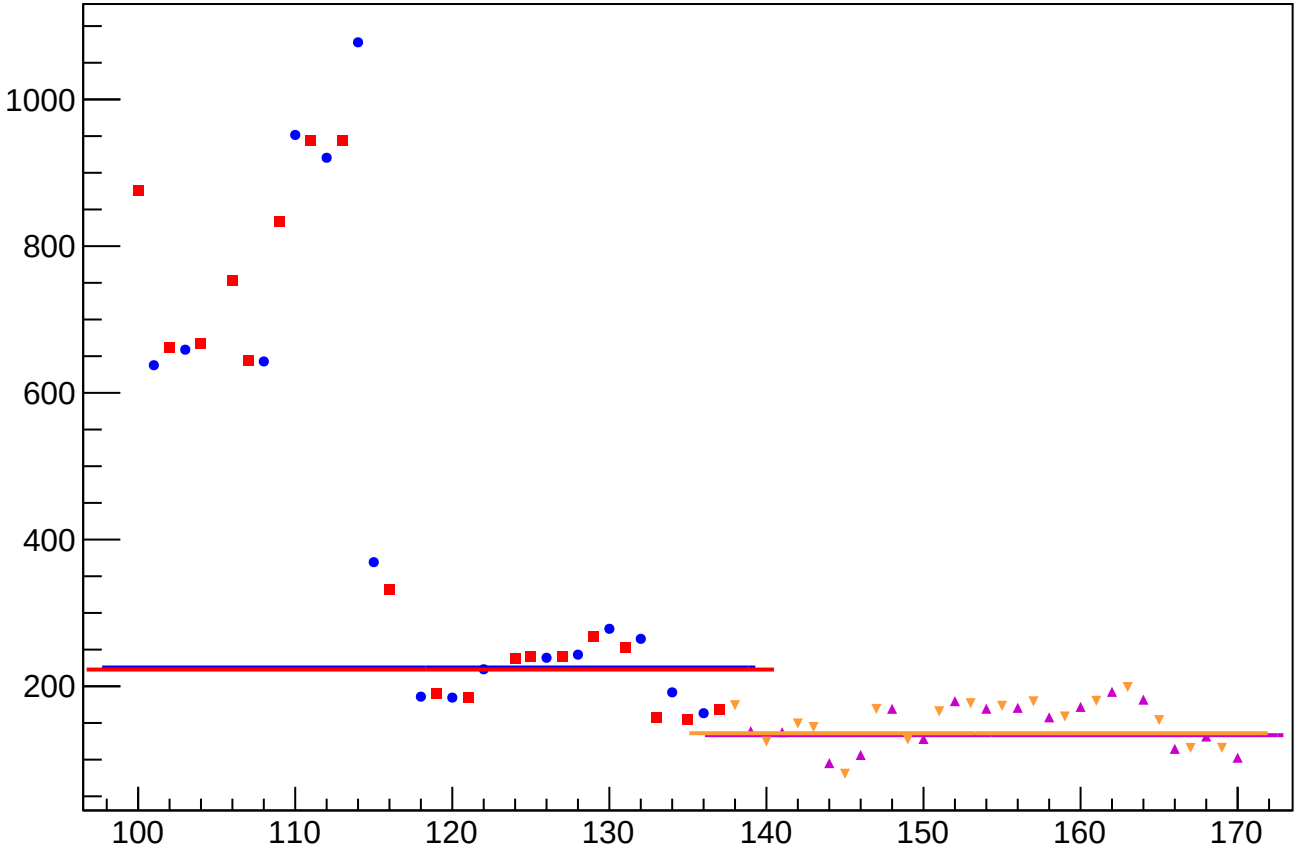
In: 47.680+/-0.008 χ^2/NDF:2661954.7/31

Out: 47.840+/-0.008 χ^2/NDF:3156790.1/35

All: 47.760+/-0.005 χ^2/NDF: 5818960.2/67


asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 74.295+/-94.492 χ²/NDF: 11.2/15
Left Out: -156.692+/-38.476 χ²/NDF:20.9/16
Right Out: 124.199+/-94.666 χ²/NDF: 16.3/18
Left In: 8.229+/-37.965 χ²/NDF:21.9/15
Left: -73.129+/-27.024 χ²/NDF: 52.1/32
Right: 99.201+/-66.877 χ²/NDF: 27.7/34
In: 17.411+/-35.228 χ²/NDF:33.5/31
Out: -116.869+/-35.644 χ²/NDF:44.8/35
All: -48.940+/-25.056 χ²/NDF: 85.5/67

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: 136.009+/-0.027 χ^2/NDF:1650375.6/16

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 133.358+/-0.027 χ^2/NDF:1260246.6/15

Left: 134.666+/-0.019 χ^2/NDF: 2915432.0/32

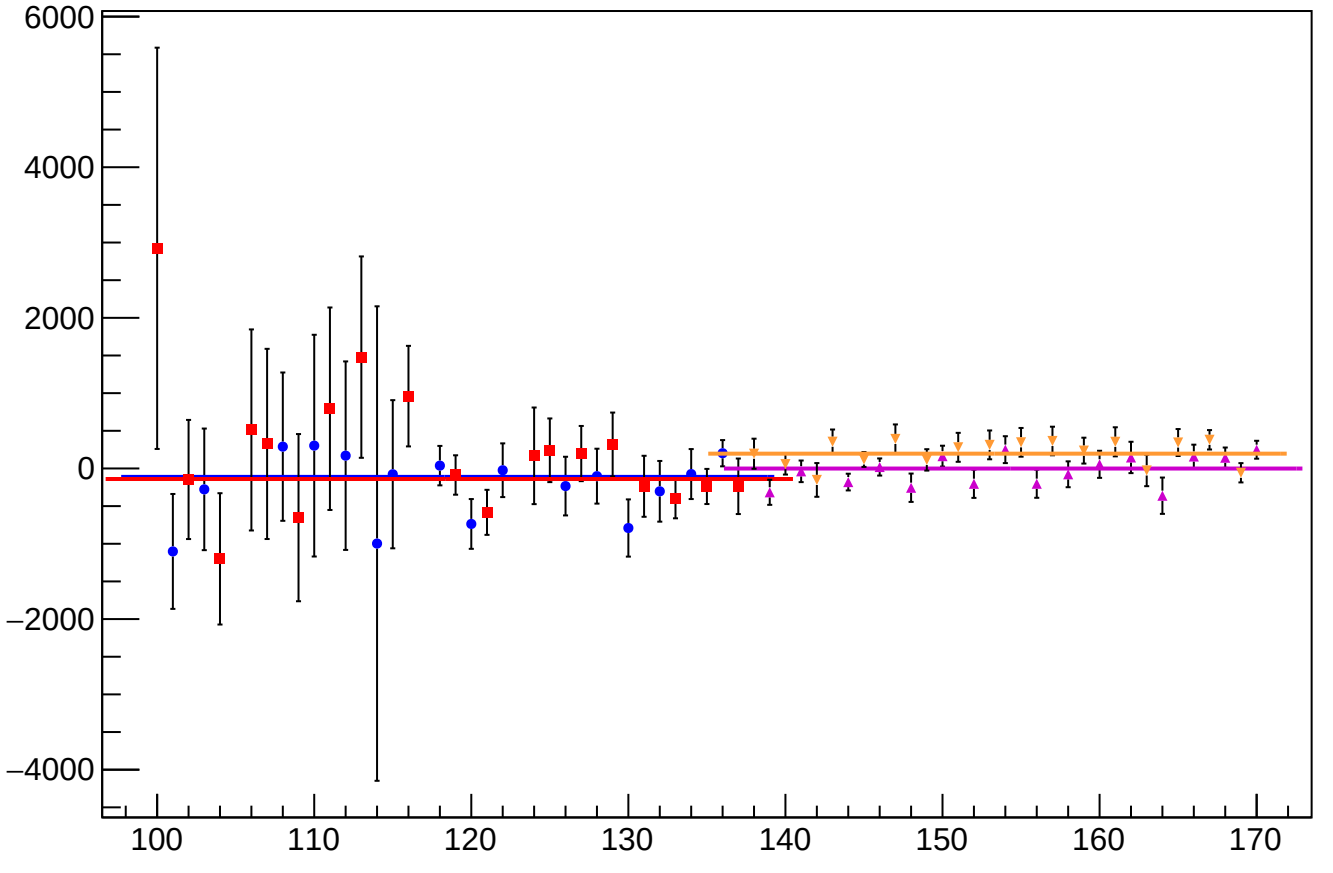
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 146.181+/-0.025 χ^2/NDF:5927713.0/31

Out: 148.312+/-0.025 χ^2/NDF:6940833.2/35

All: 147.234+/-0.018 χ^2/NDF: 12872161.8/67

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 196.533+/-38.925 χ^2/NDF:16.8/16

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -1.124+/-38.261 χ^2/NDF:23.5/15

Left: 96.005+/-27.286 χ^2/NDF: 53.4/32

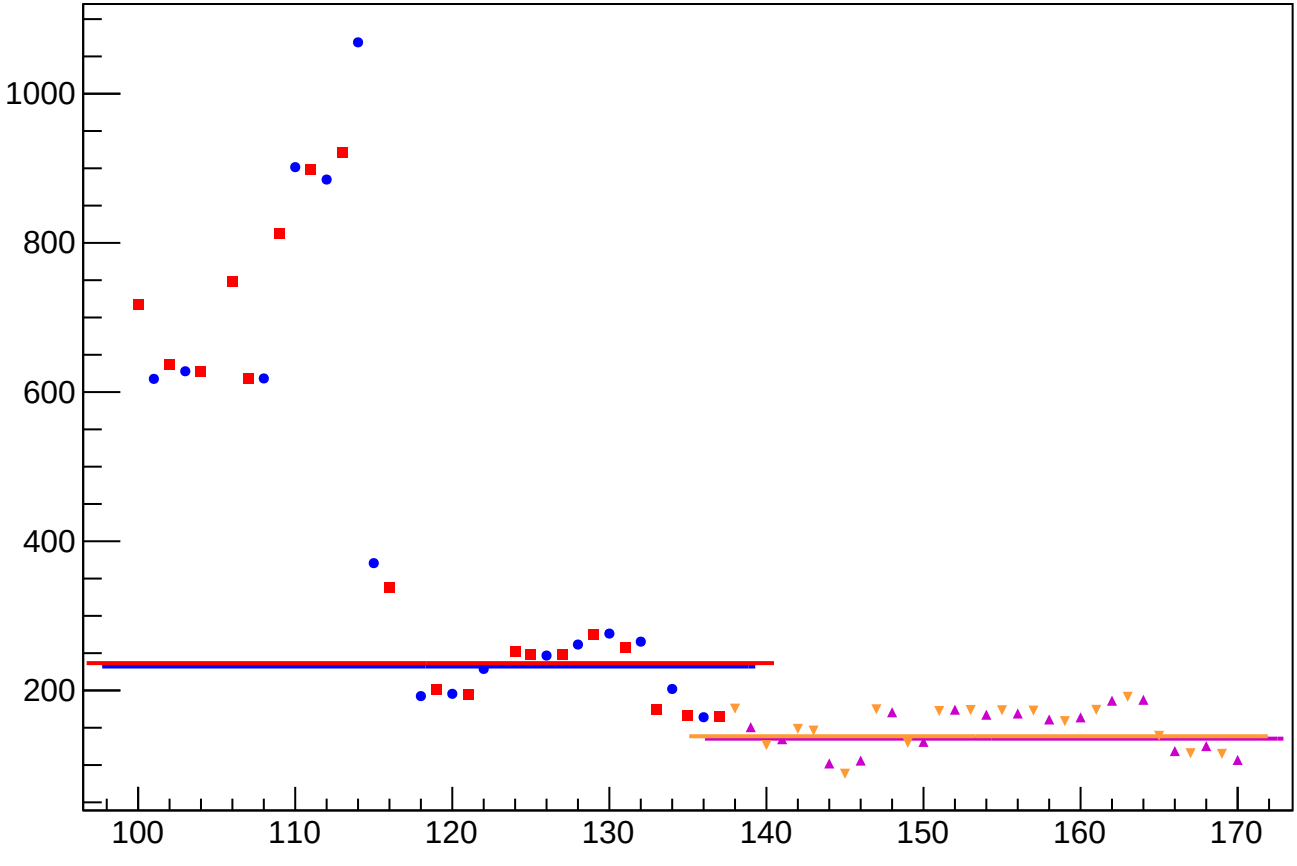
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -16.161+/-35.570 χ^2/NDF:37.4/31

Out: 151.615+/-36.234 χ^2/NDF:41.5/35

All: 66.176+/-25.383 χ^2/NDF: 89.8/67

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 138.579+/-0.028 χ^2/NDF:1302644.5/16

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 135.377+/-0.027 χ^2/NDF:1075245.7/15

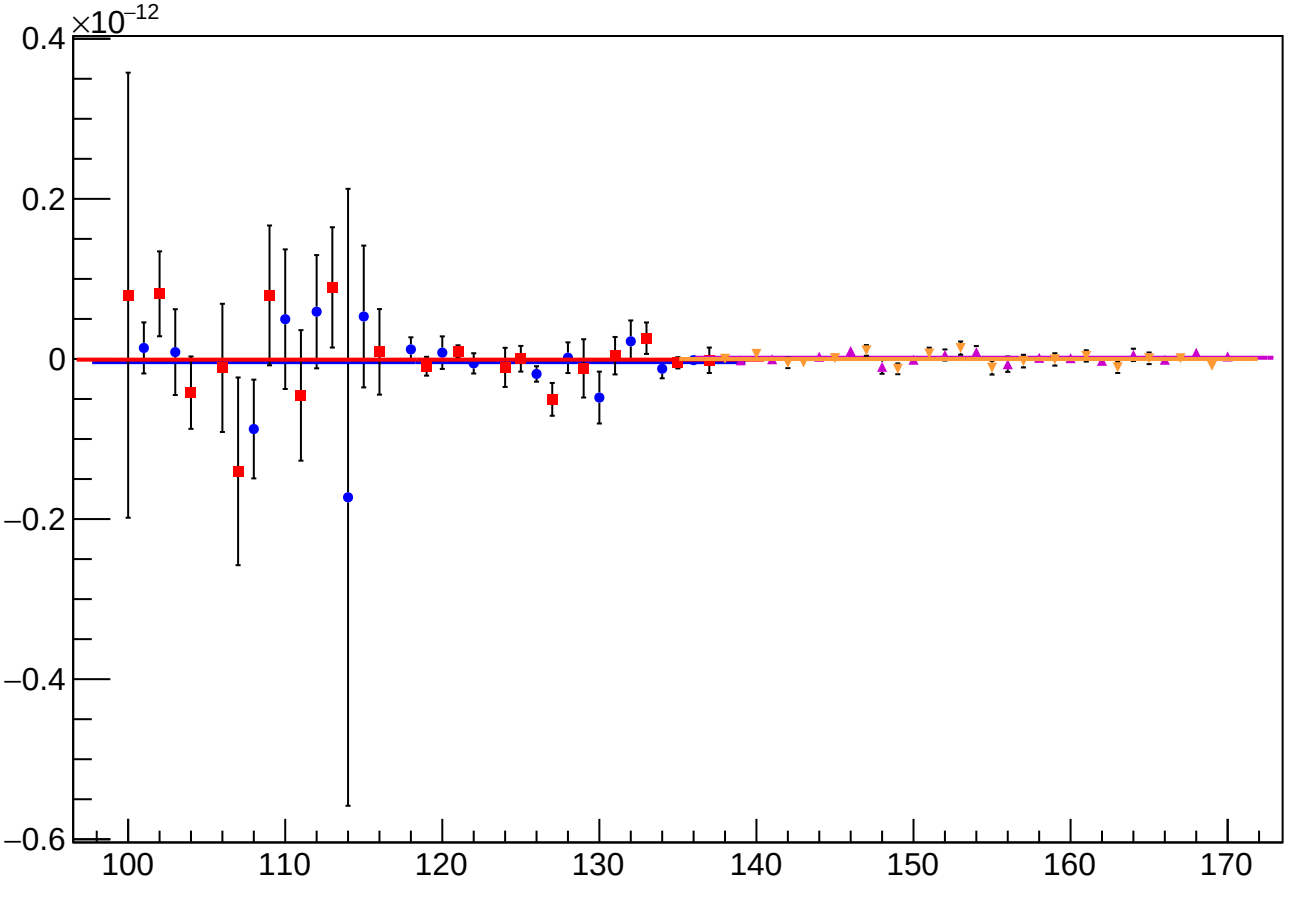
Left: 136.951+/-0.019 χ^2/NDF: 2384772.8/32

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 148.506+/-0.025 χ^2/NDF:5695725.9/31

Out: 151.670+/-0.026 χ^2/NDF:6518268.0/35

All: 150.058+/-0.018 χ^2/NDF: 12221760.1/67



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/15

Left: 0.000+/-0.000 χ^2/NDF: 31.3/32

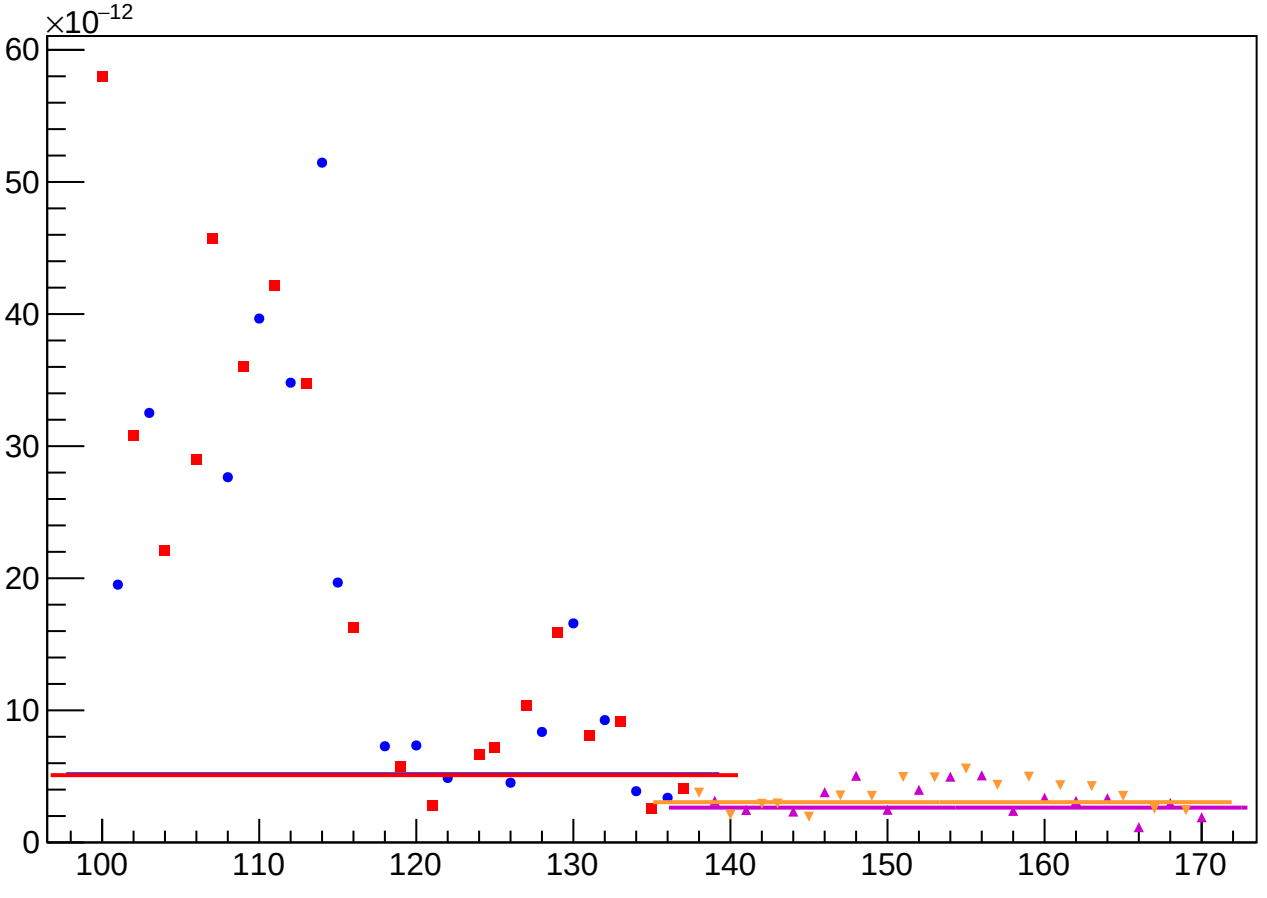
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:22.6/31

Out: -0.000+/-0.000 χ^2/NDF:39.5/35

All: 0.000+/-0.000 χ^2/NDF: 62.5/67

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:1218790.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1241097.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2560847.2/32

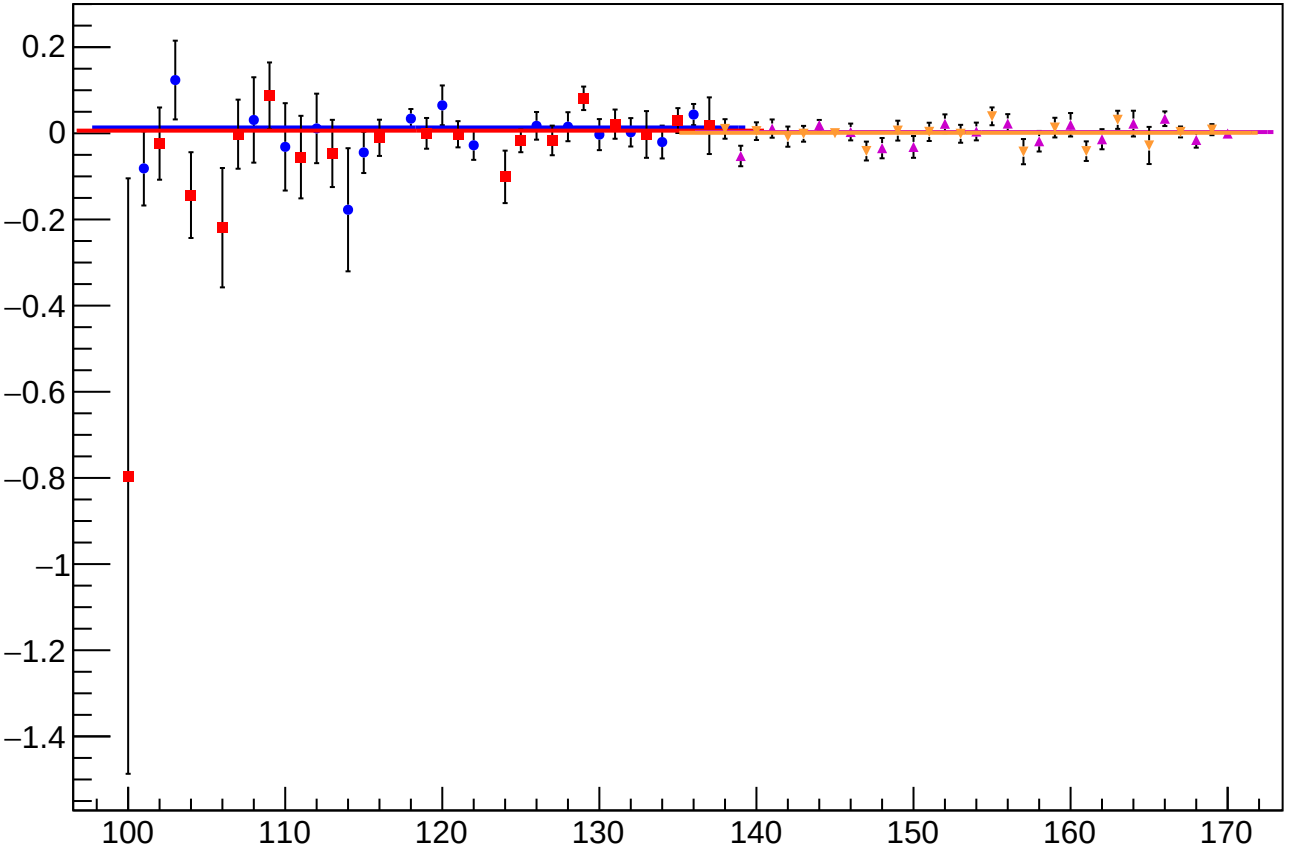
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4707770.8/31

Out: 0.000+/-0.000 χ^2/NDF:4934690.2/35

All: 0.000+/-0.000 χ^2/NDF: 9727013.1/67

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: 0.001+/-0.005 χ^2/NDF:16.5/16

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.002+/-0.003 χ^2/NDF: 36.6/32

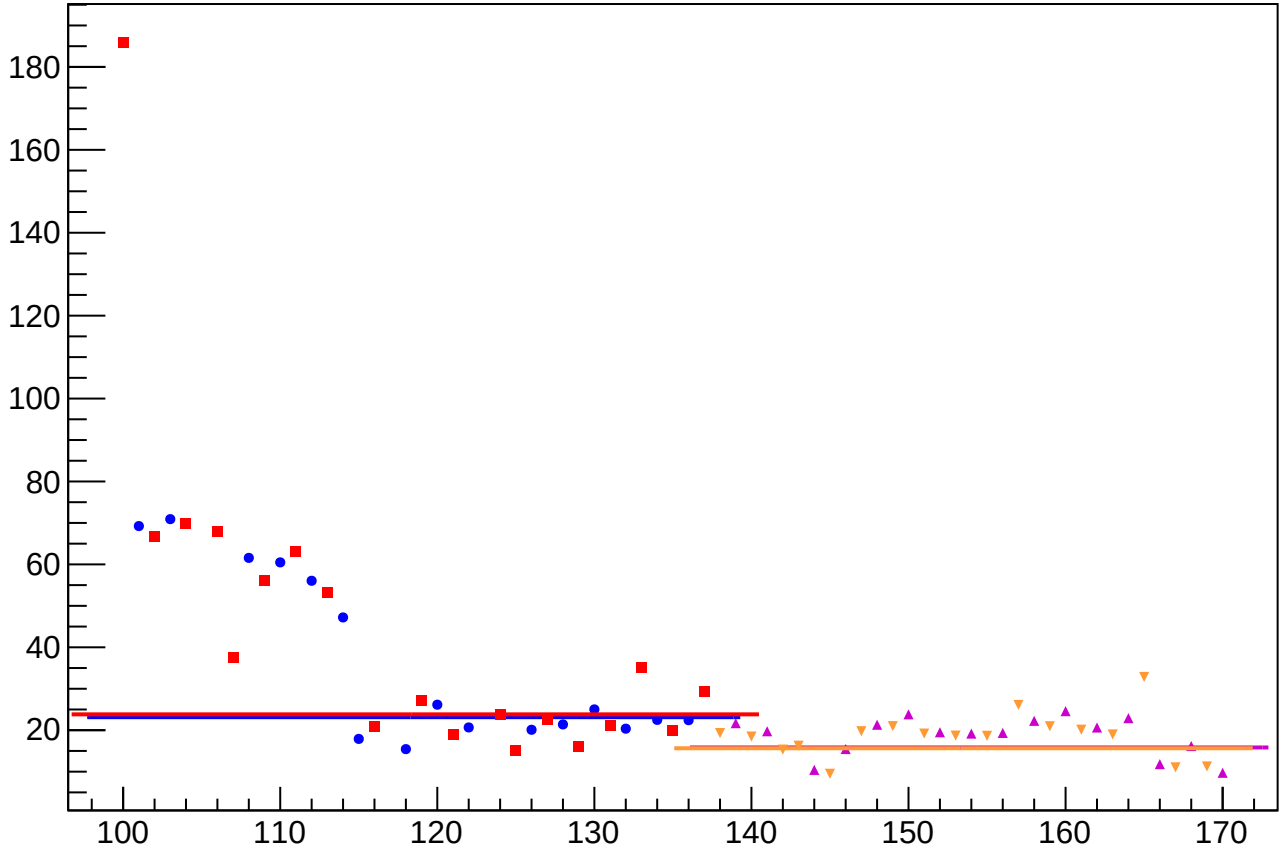
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.002+/-0.004 χ^2/NDF:38.1/35

All: 0.003+/-0.003 χ^2/NDF: 71.7/67

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: 15.647+/-0.003 χ^2/NDF:2311462.7/16

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.836+/-0.003 χ^2/NDF:2371712.8/15

Left: 15.738+/-0.002 χ^2/NDF: 4684824.7/32

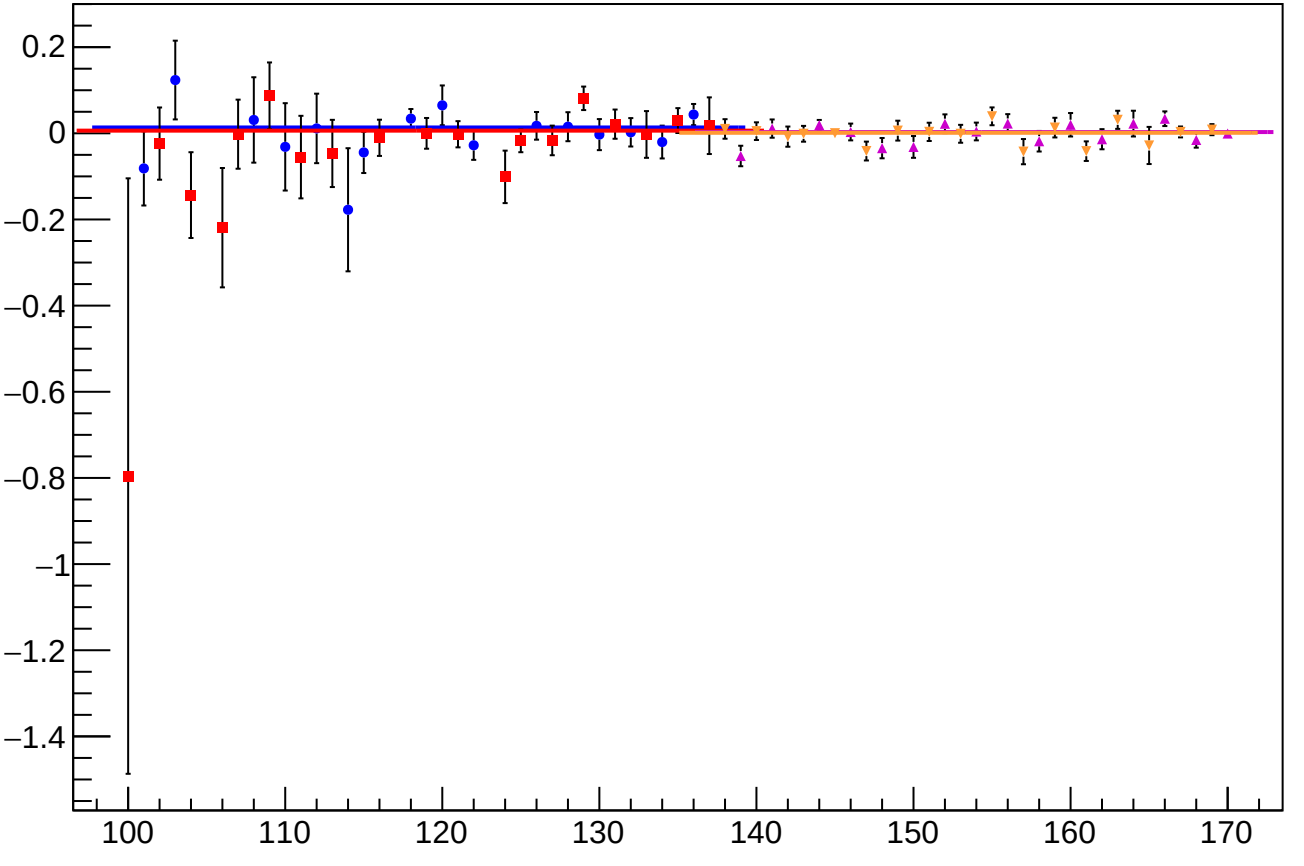
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 17.202+/-0.003 χ^2/NDF:5674221.0/31

Out: 17.044+/-0.003 χ^2/NDF:6304658.5/35

All: 17.121+/-0.002 χ^2/NDF: 11980298.0/67

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:16.5/16

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.002+/-0.003 χ^2/NDF: 36.6/32

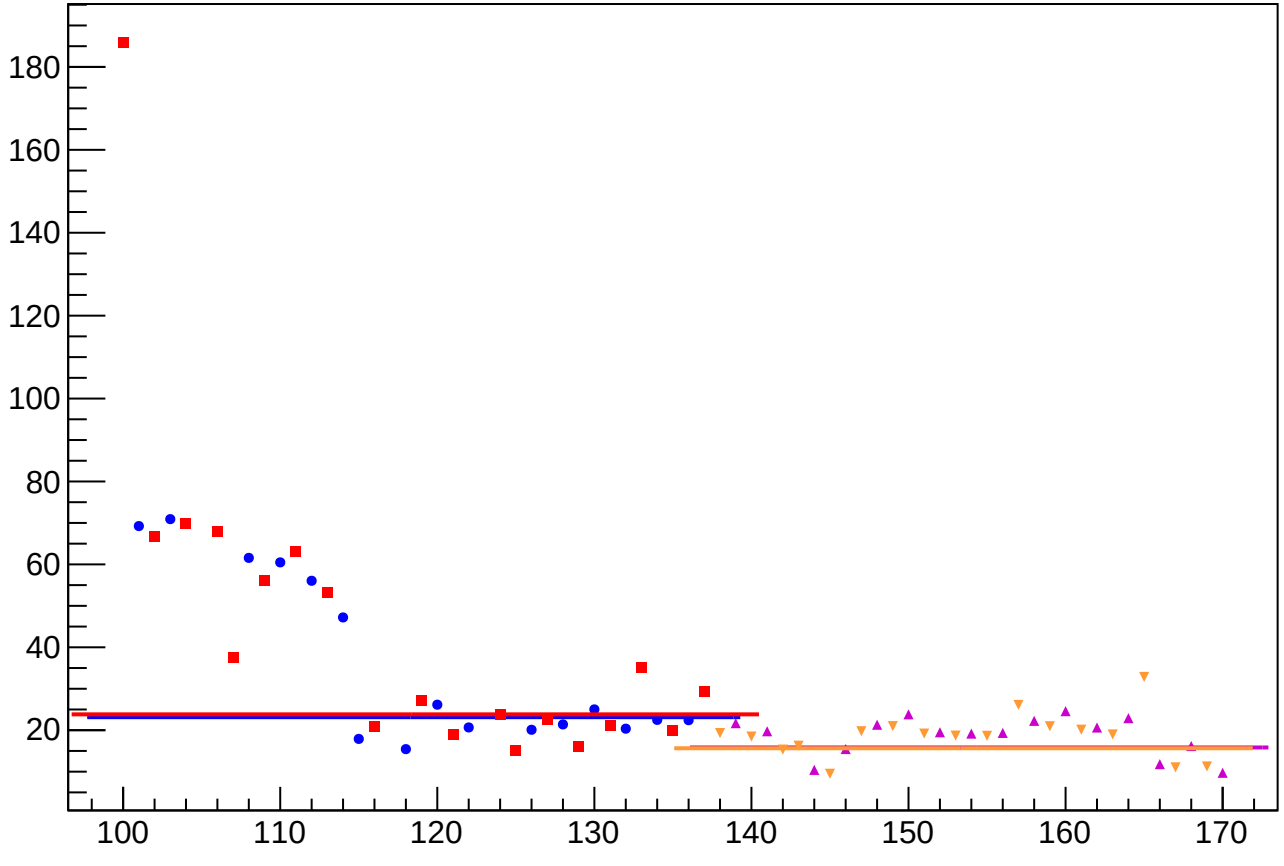
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.002+/-0.004 χ^2/NDF:38.1/35

All: 0.003+/-0.003 χ^2/NDF: 71.7/67

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.647+/-0.003 χ^2/NDF:2311462.7/16

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.836+/-0.003 χ^2/NDF:2371712.8/15

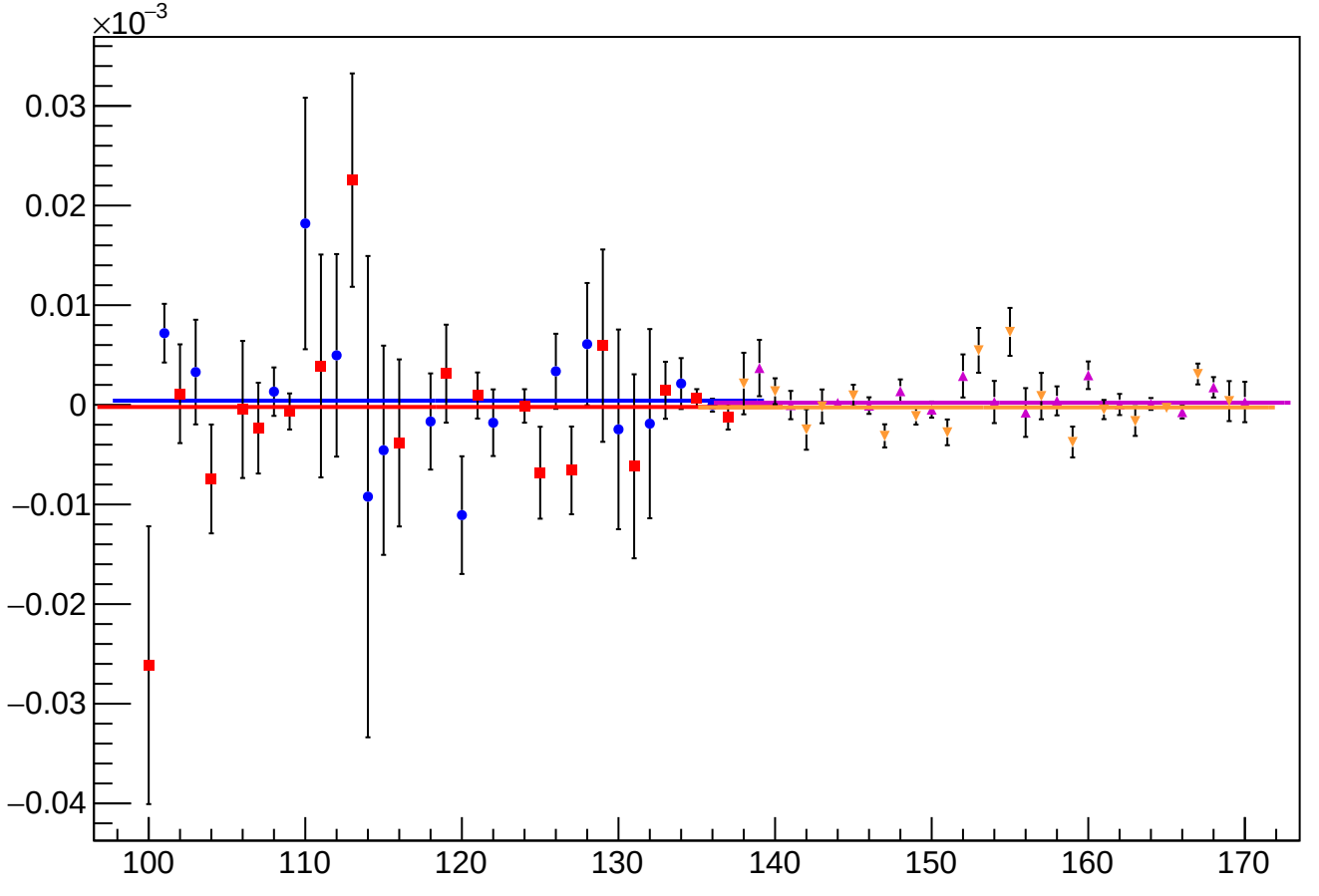
Left: 15.738+/-0.002 χ^2/NDF: 4684824.7/32

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 17.202+/-0.003 χ^2/NDF:5674221.0/31

Out: 17.044+/-0.003 χ^2/NDF:6304658.5/35

All: 17.121+/-0.002 χ^2/NDF: 11980298.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

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

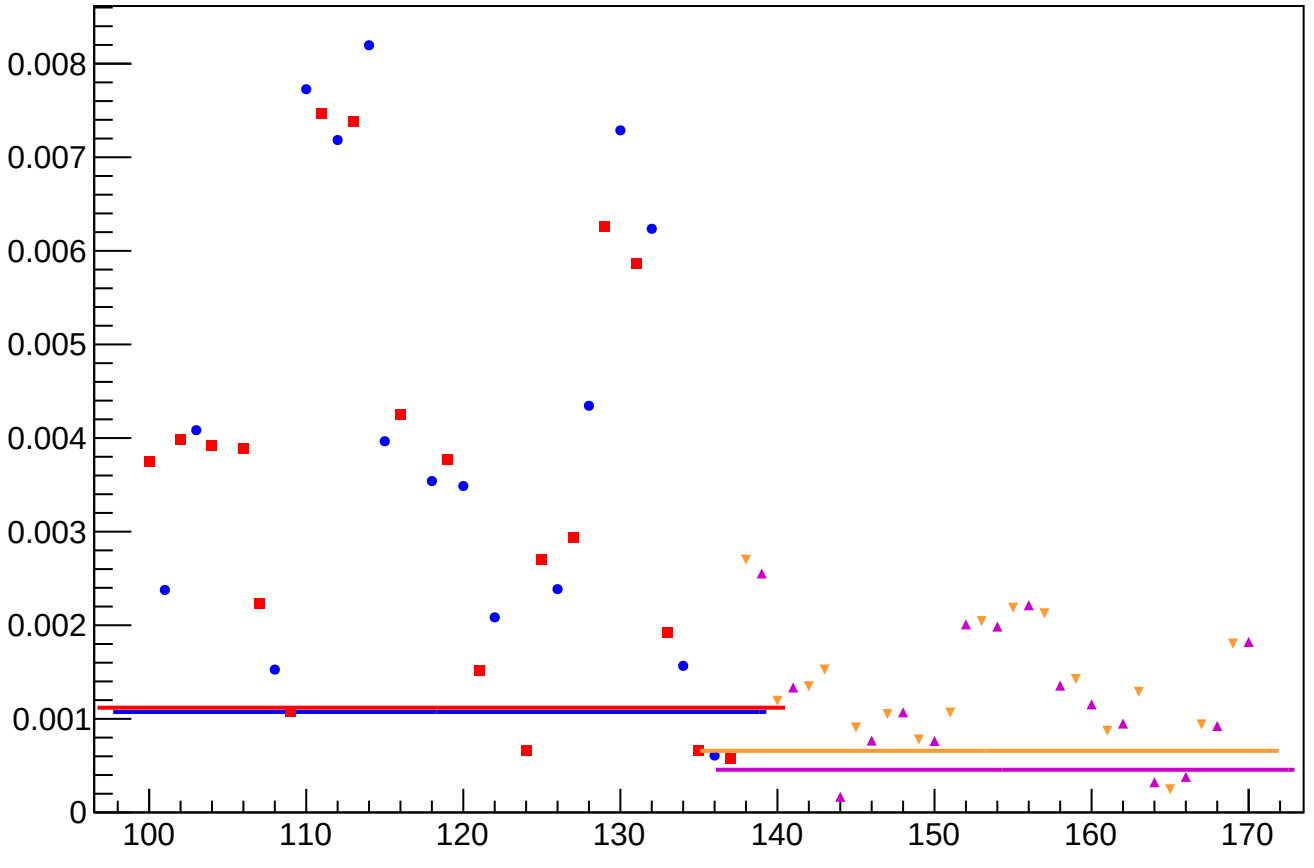
Left: 0.000+/-0.000 χ^2/NDF: 64.4/32

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.0/31

Out: -0.000+/-0.000 χ^2/NDF:66.2/35

All: 0.000+/-0.000 χ^2/NDF: 98.2/67



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:10016997.1/16

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11831335.6/15

Left: 0.001+/-0.000 χ^2/NDF: 22770606.2/32

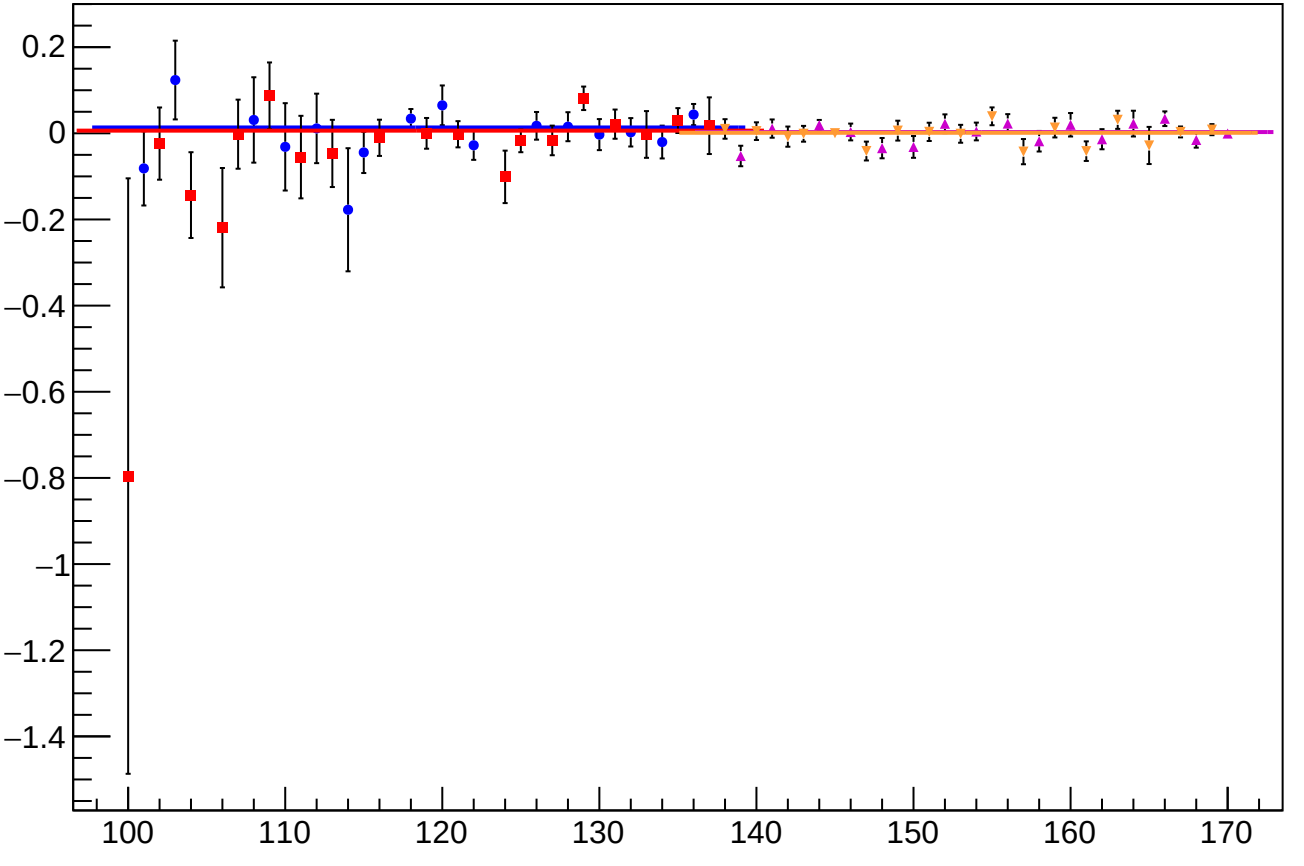
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21058257.4/31

Out: 0.001+/-0.000 χ^2/NDF:17939923.5/35

All: 0.001+/-0.000 χ^2/NDF: 40103314.9/67

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: 0.001+/-0.005 χ^2/NDF:16.5/16

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.002+/-0.003 χ^2/NDF: 36.6/32

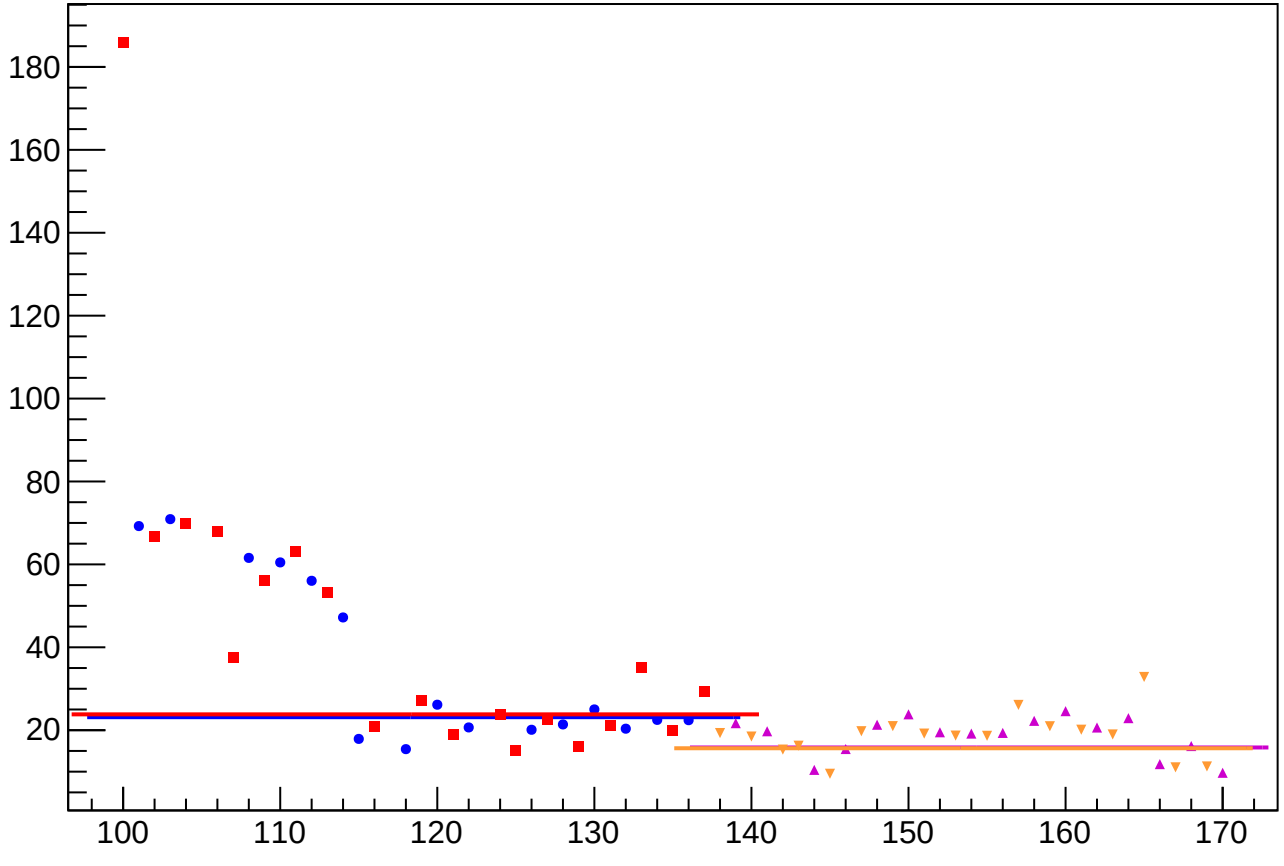
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.002+/-0.004 χ^2/NDF:38.1/35

All: 0.003+/-0.003 χ^2/NDF: 71.7/67

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.647+/-0.003 χ^2/NDF:2311624.1/16

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.836+/-0.003 χ^2/NDF:2371743.5/15

Left: 15.738+/-0.002 χ^2/NDF: 4685018.1/32

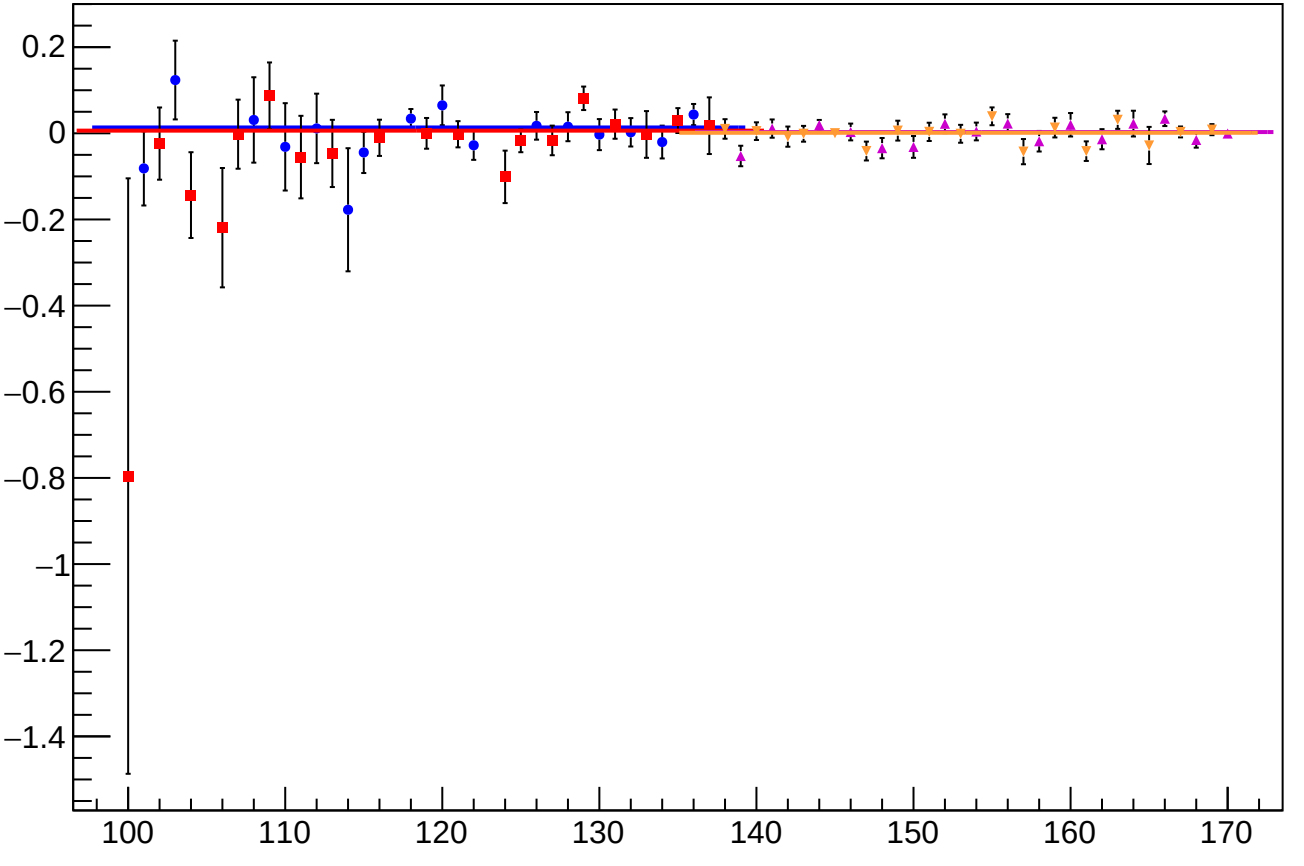
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 17.202+/-0.003 χ^2/NDF:5674008.0/31

Out: 17.044+/-0.003 χ^2/NDF:6304647.2/35

All: 17.121+/-0.002 χ^2/NDF: 11980073.5/67

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: 0.001+/-0.005 χ^2/NDF:16.5/16

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.002+/-0.003 χ^2/NDF: 36.6/32

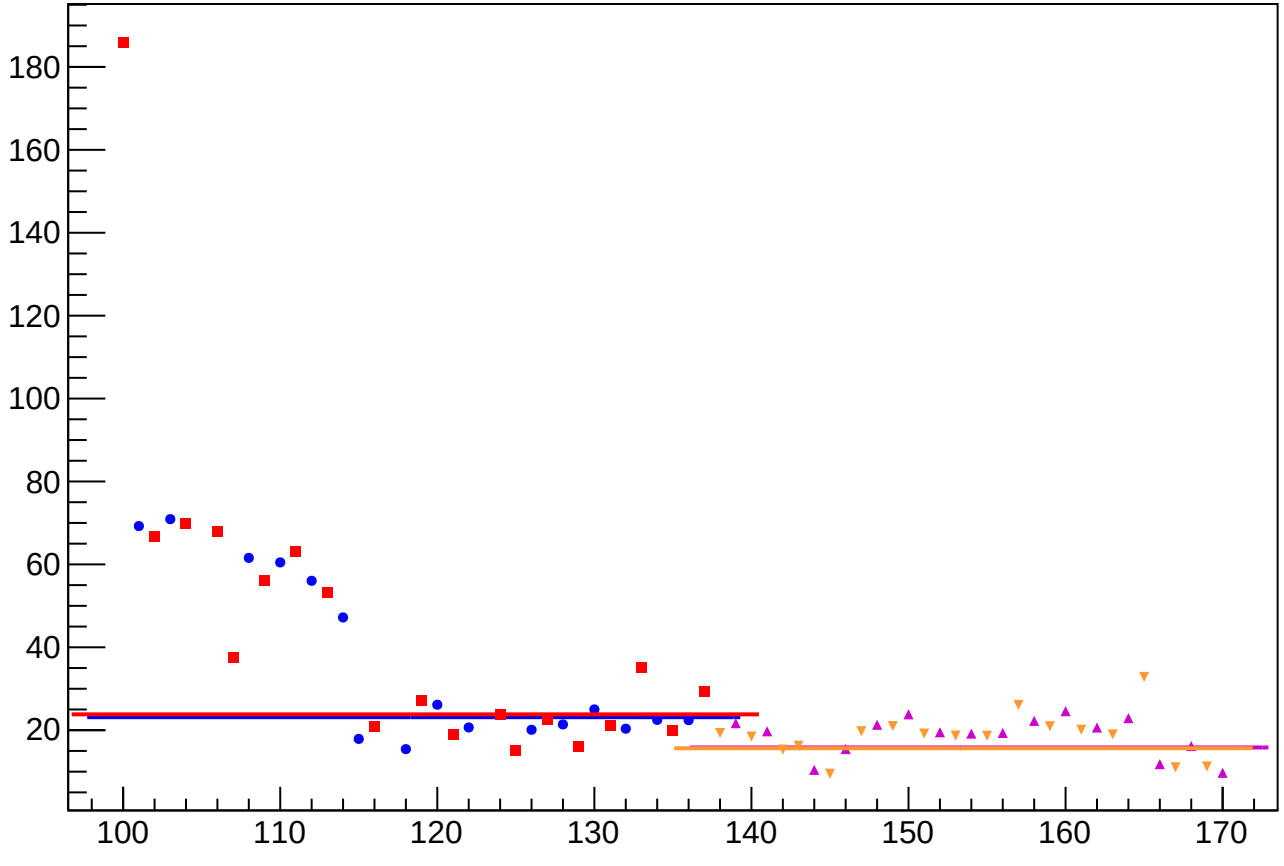
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.002+/-0.004 χ^2/NDF:38.1/35

All: 0.003+/-0.003 χ^2/NDF: 71.7/67

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.647+/-0.003 χ^2/NDF:2311624.1/16

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.836+/-0.003 χ^2/NDF:2371743.5/15

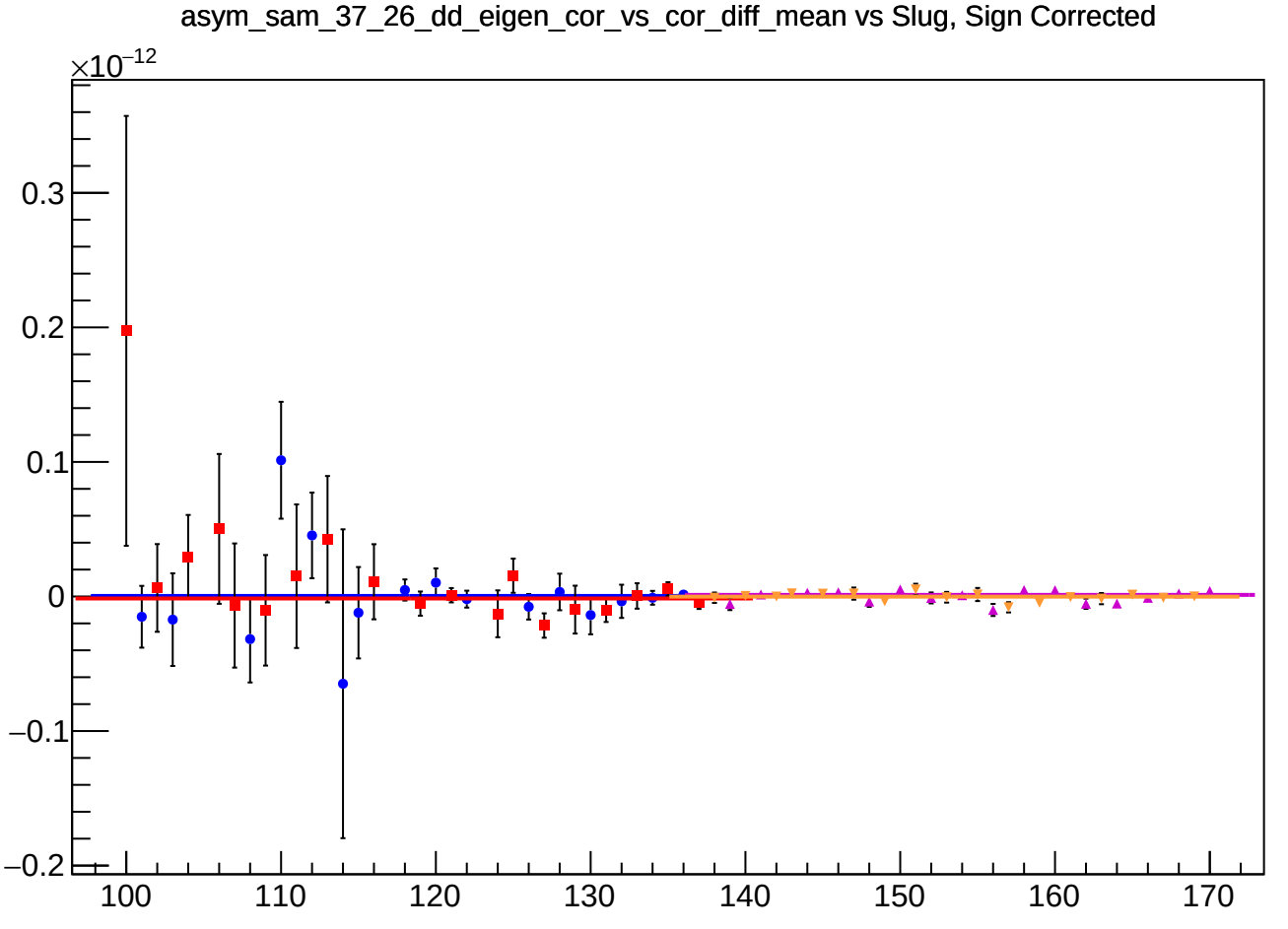
Left: 15.738+/-0.002 χ^2/NDF: 4685018.1/32

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 17.202+/-0.003 χ^2/NDF:5674008.0/31

Out: 17.044+/-0.003 χ^2/NDF:6304647.2/35

All: 17.121+/-0.002 χ^2/NDF: 11980073.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/15

Left: 0.000+/-0.000 χ^2/NDF: 38.7/32

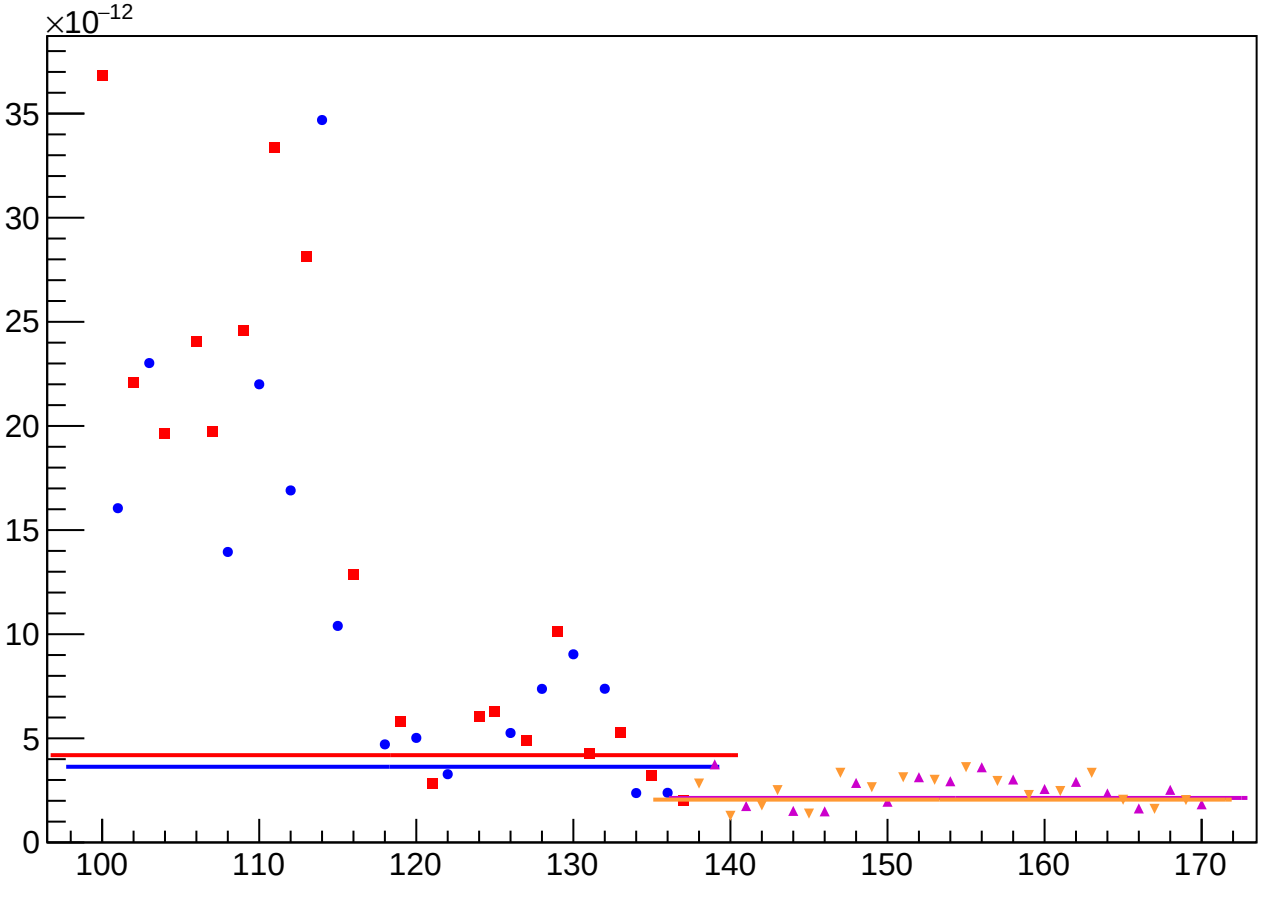
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:37.6/31

Out: -0.000+/-0.000 χ^2/NDF:28.4/35

All: 0.000+/-0.000 χ^2/NDF: 67.9/67

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:1932229.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1595948.4/15

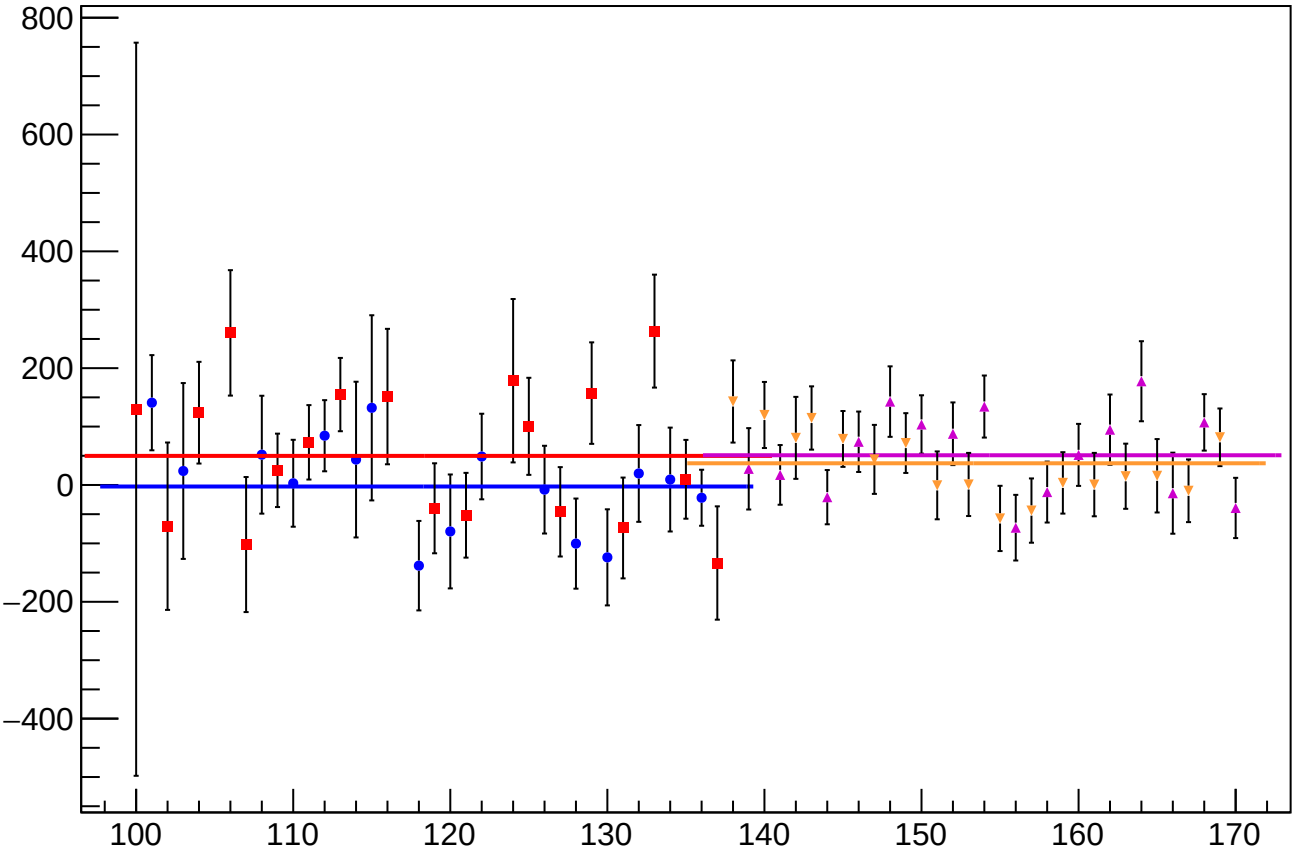
Left: 0.000+/-0.000 χ^2/NDF: 3540766.5/32

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6127637.5/31

Out: 0.000+/-0.000 χ^2/NDF:7892041.3/35

All: 0.000+/-0.000 χ^2/NDF: 14030909.4/67



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 37.158+/-13.500 χ^2/NDF:16.7/16

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 50.888+/-13.682 χ^2/NDF:25.1/15

Left: 43.932+/-9.610 χ^2/NDF: 42.2/32

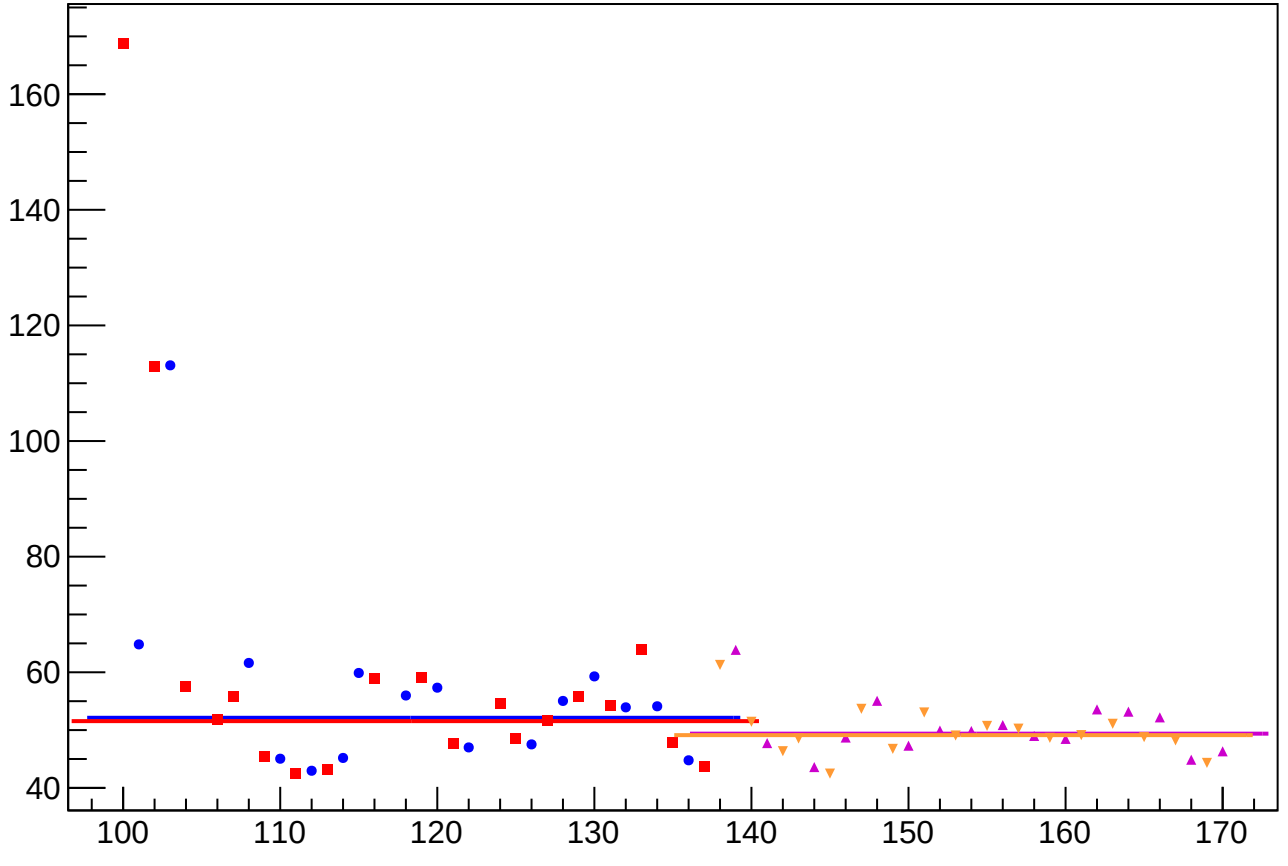
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 33.826+/-11.291 χ^2/NDF:44.5/31

Out: 41.223+/-11.122 χ^2/NDF:46.3/35

All: 37.581+/-7.924 χ^2/NDF: 91.1/67

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.127+/-0.010 χ^2/NDF:155012.7/16

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

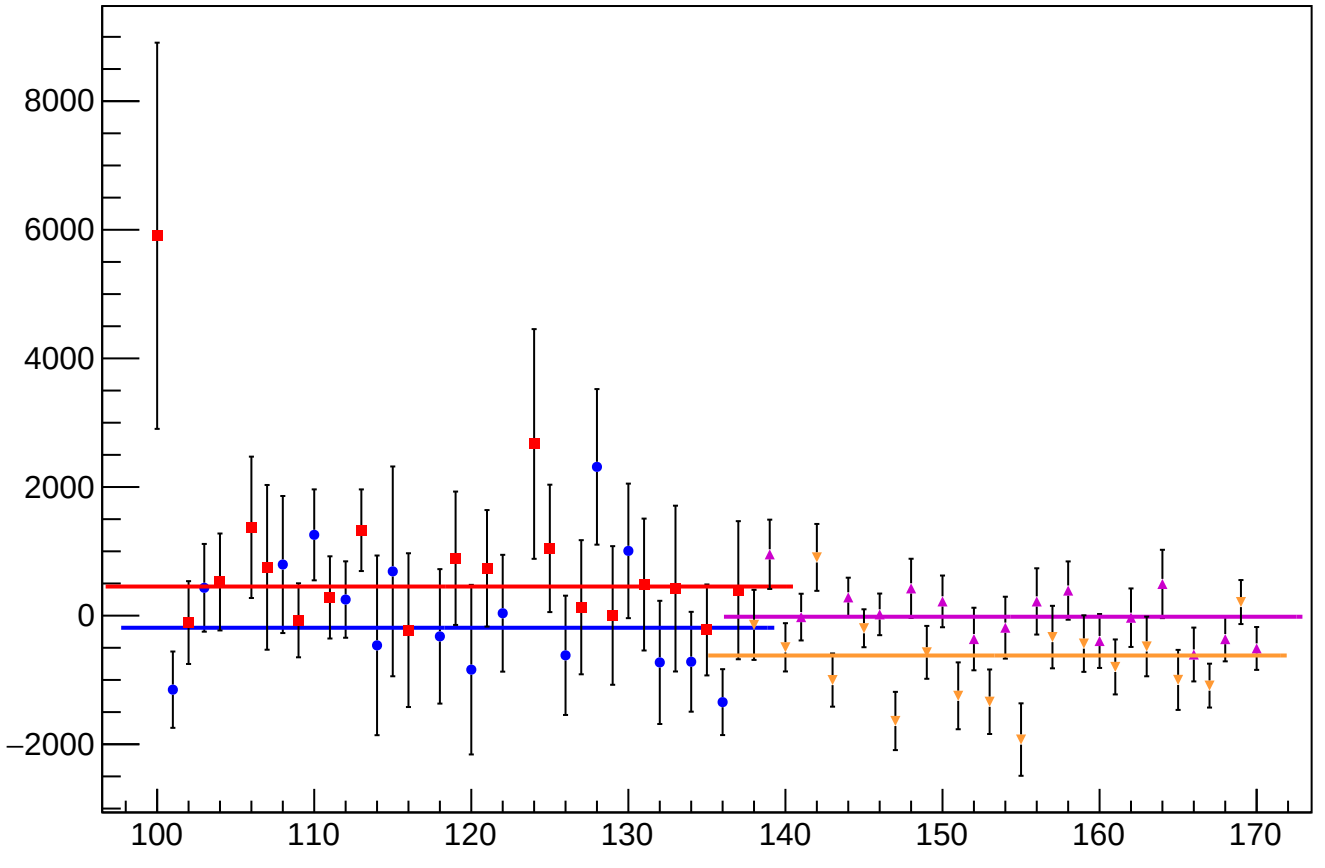
Left: 49.253+/-0.007 χ^2/NDF: 342614.3/32

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.258+/-0.008 χ^2/NDF:775851.4/31

Out: 49.906+/-0.008 χ^2/NDF:815270.9/35

All: 50.079+/-0.006 χ^2/NDF: 1592113.5/67



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -619.877+/-102.937 χ^2/NDF:35.6/16

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: -17.235+/-101.801 χ^2/NDF:14.1/15

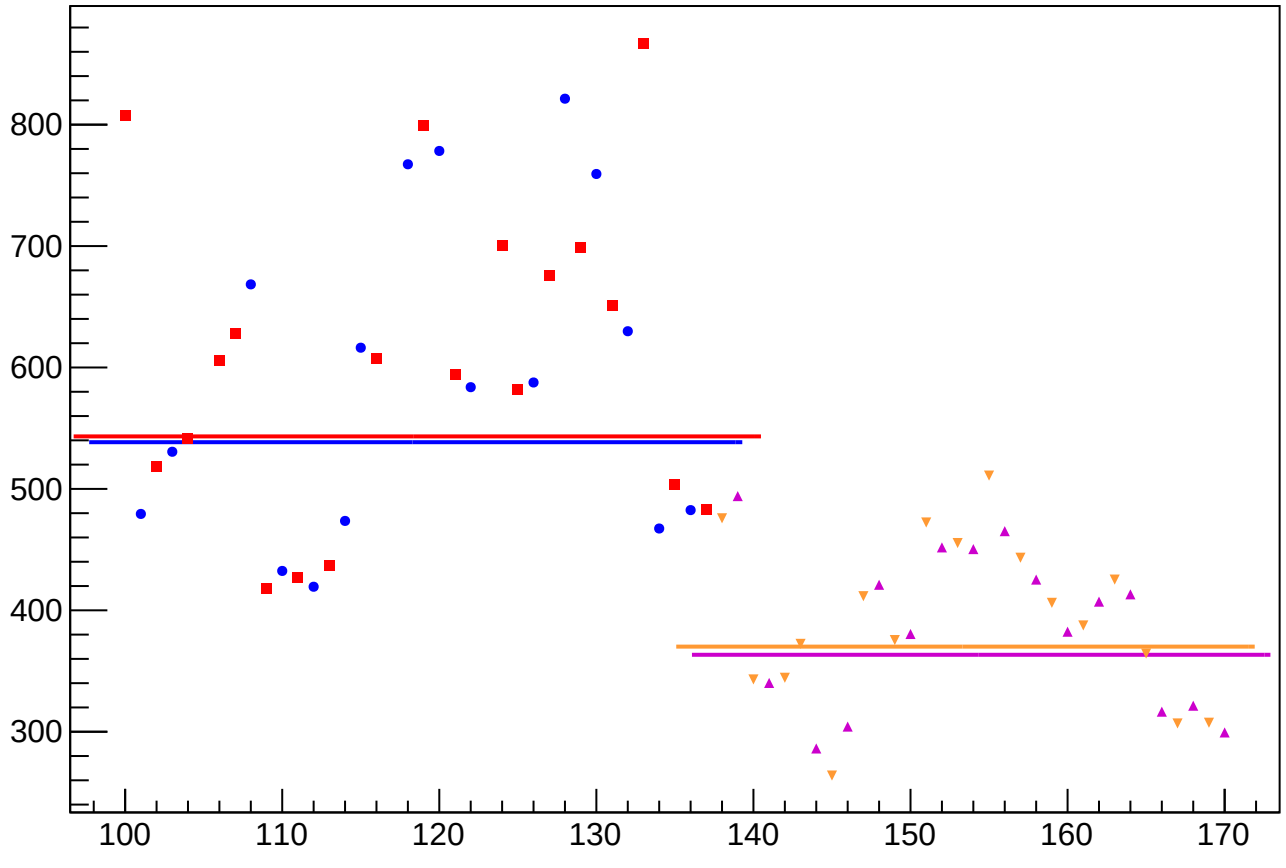
Left: -315.213+/-72.382 χ^2/NDF: 67.0/32

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -50.913+/-91.248 χ^2/NDF:36.0/31

Out: -402.100+/-91.892 χ^2/NDF:68.9/35

All: -225.271+/-64.749 χ^2/NDF: 112.3/67



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 370.108+/-0.073 χ^2/NDF:854062.8/16

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 363.380+/-0.072 χ^2/NDF:770214.8/15

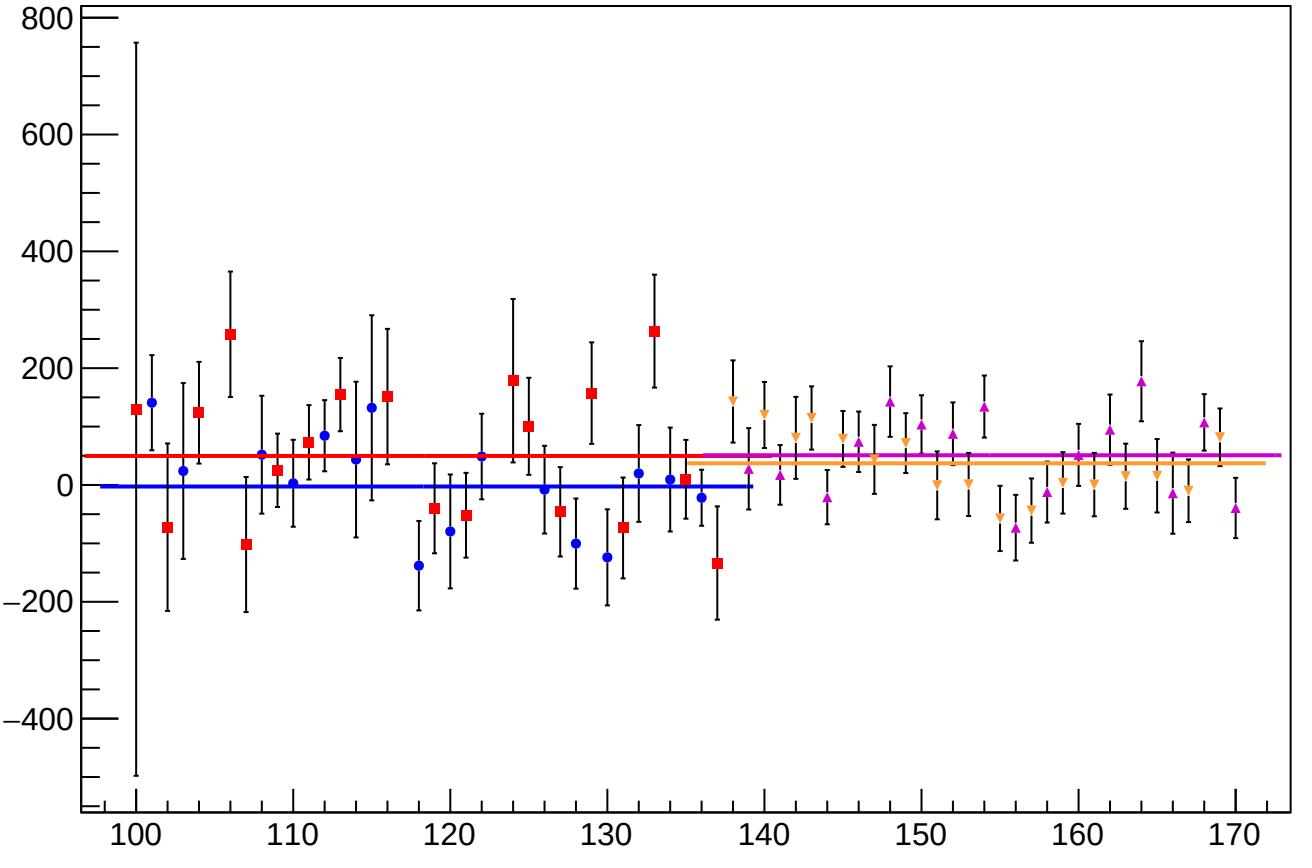
Left: 366.707+/-0.051 χ^2/NDF: 1628596.8/32

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 397.797+/-0.065 χ^2/NDF:2547136.3/31

Out: 405.267+/-0.065 χ^2/NDF:2640130.4/35

All: 401.505+/-0.046 χ^2/NDF: 5193920.8/67



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.161+/-13.500 χ^2/NDF:16.7/16

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 50.886+/-13.682 χ^2/NDF:25.1/15

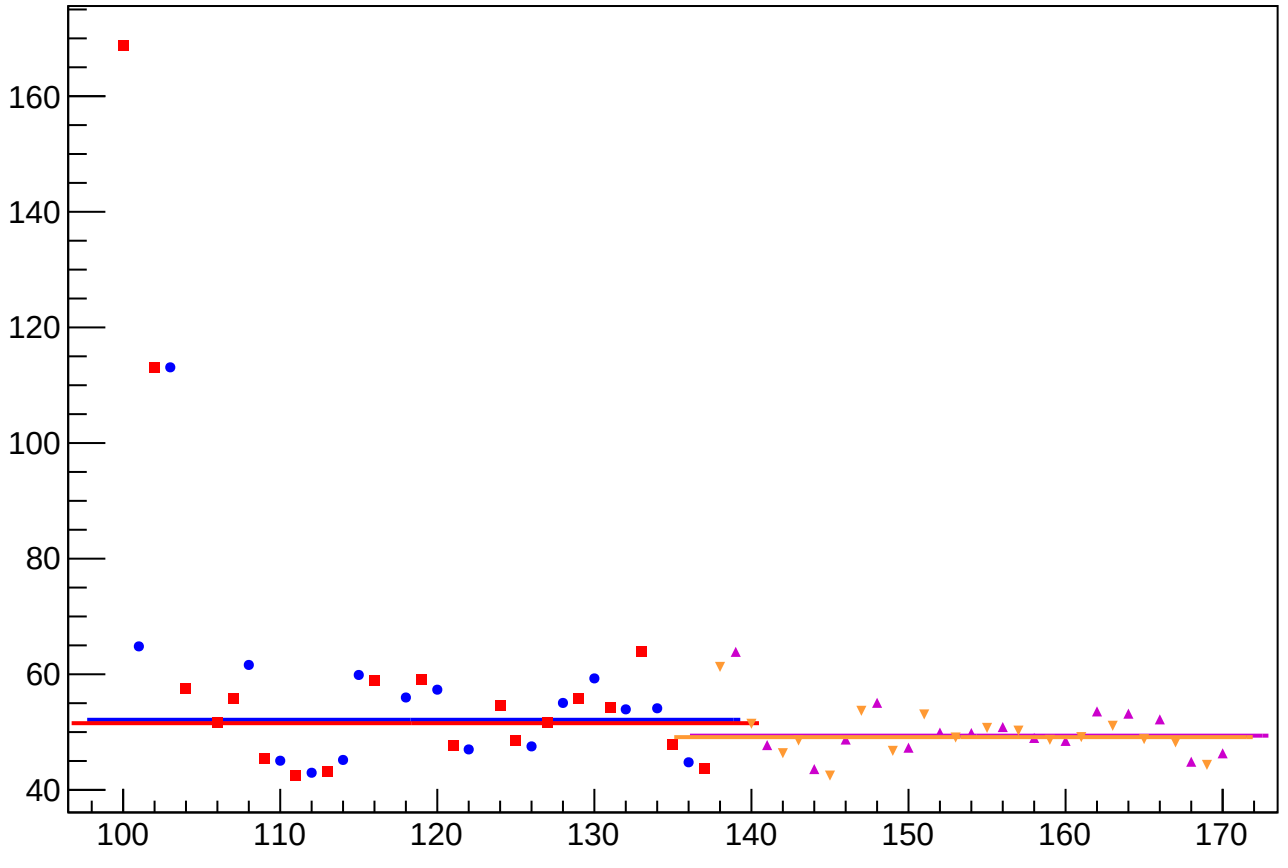
Left: 43.932+/-9.610 χ^2/NDF: 42.2/32

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.823+/-11.291 χ^2/NDF:44.5/31

Out: 41.188+/-11.122 χ^2/NDF:46.2/35

All: 37.561+/-7.924 χ^2/NDF: 91.0/67



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.127+/-0.010 χ^2/NDF:155012.7/16

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

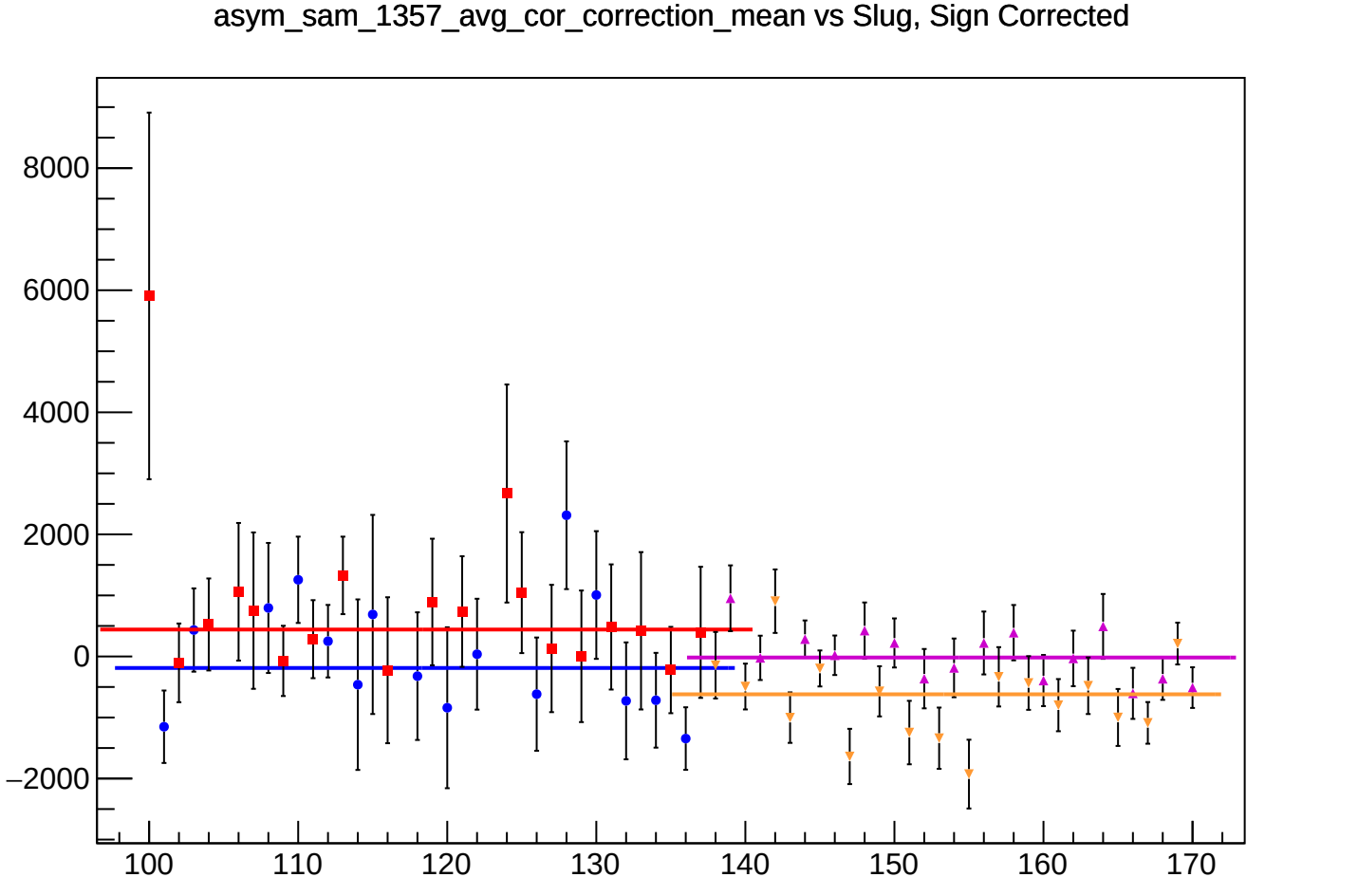
Left: 49.253+/-0.007 χ^2/NDF: 342614.3/32

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

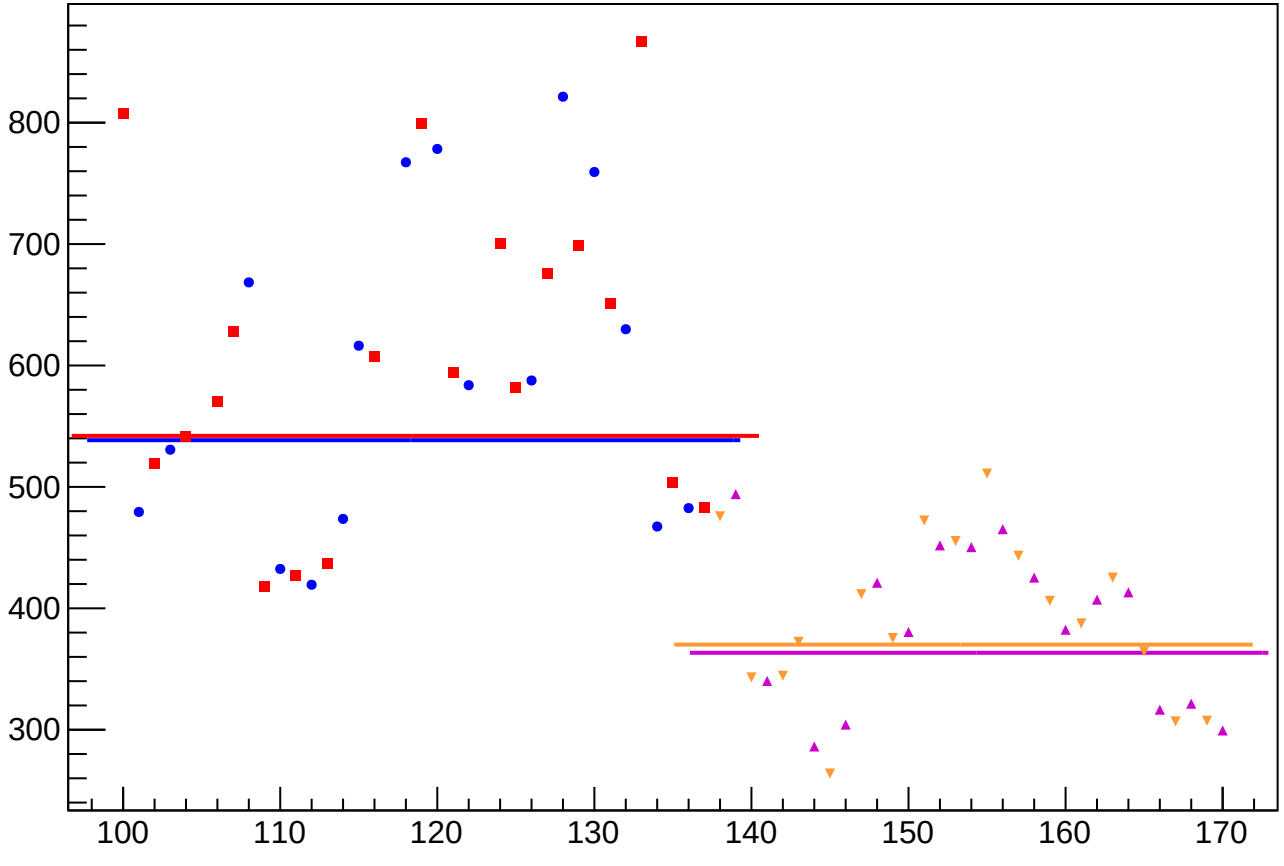
In: 50.258+/-0.008 χ^2/NDF:775853.7/31

Out: 49.902+/-0.008 χ^2/NDF:815314.3/35

All: 50.078+/-0.006 χ^2/NDF: 1592178.0/67


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: -619.873+/-102.937 χ²/NDF:35.6/16
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -17.234+/-101.801 χ²/NDF:14.1/15
Left: -315.210+/-72.382 χ²/NDF: 67.0/32
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: -50.907+/-91.248 χ²/NDF:36.0/31
Out: -404.730+/-91.910 χ²/NDF:68.0/35
All: -226.541+/-64.755 χ²/NDF: 111.4/67

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 370.108+/-0.073 χ^2/NDF:854065.9/16

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.380+/-0.072 χ^2/NDF:770213.6/15

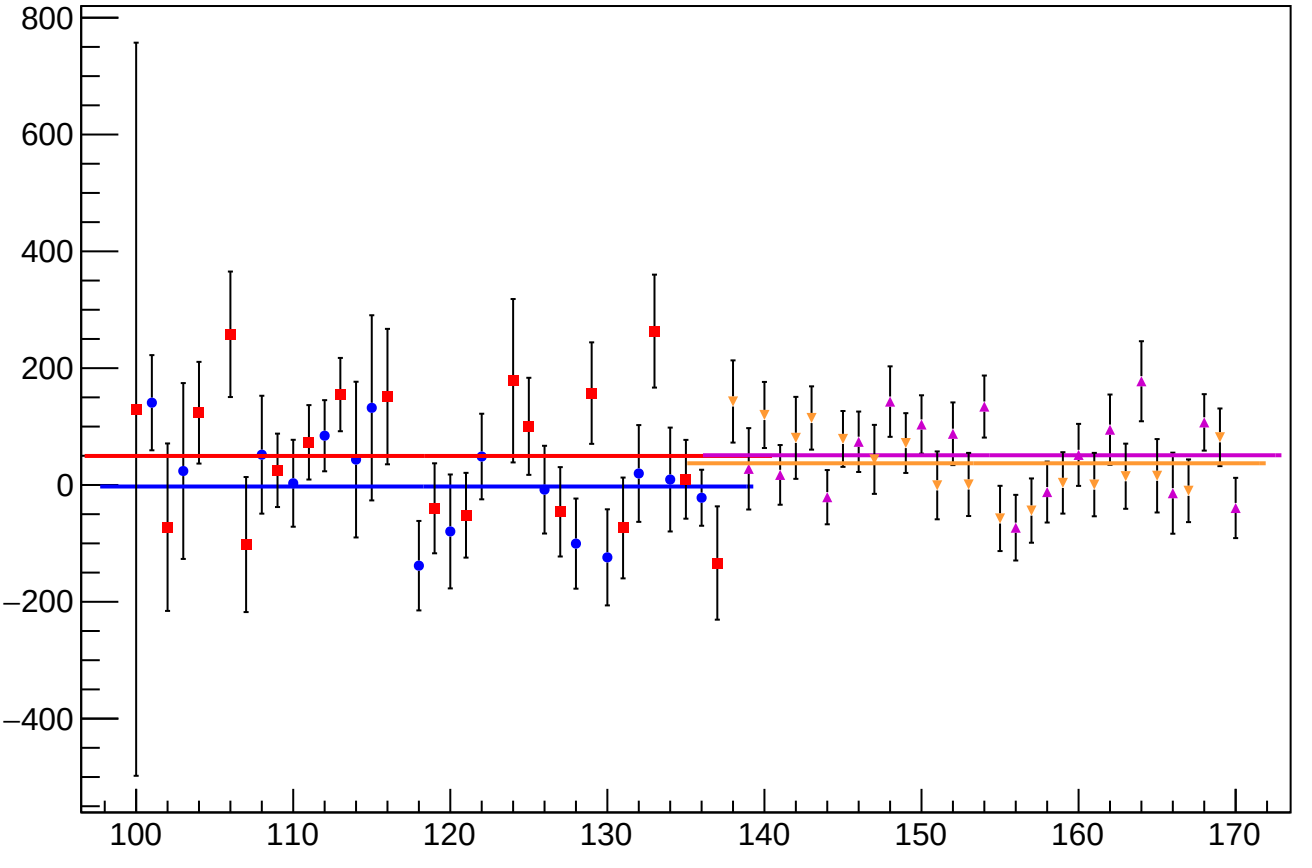
Left: 366.707+/-0.051 χ^2/NDF: 1628598.5/32

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 397.797+/-0.065 χ^2/NDF:2547183.8/31

Out: 404.967+/-0.065 χ^2/NDF:2616784.5/35

All: 401.356+/-0.046 χ^2/NDF: 5170097.1/67



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.161+/-13.500 χ^2/NDF:16.7/16

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 50.886+/-13.682 χ^2/NDF:25.1/15

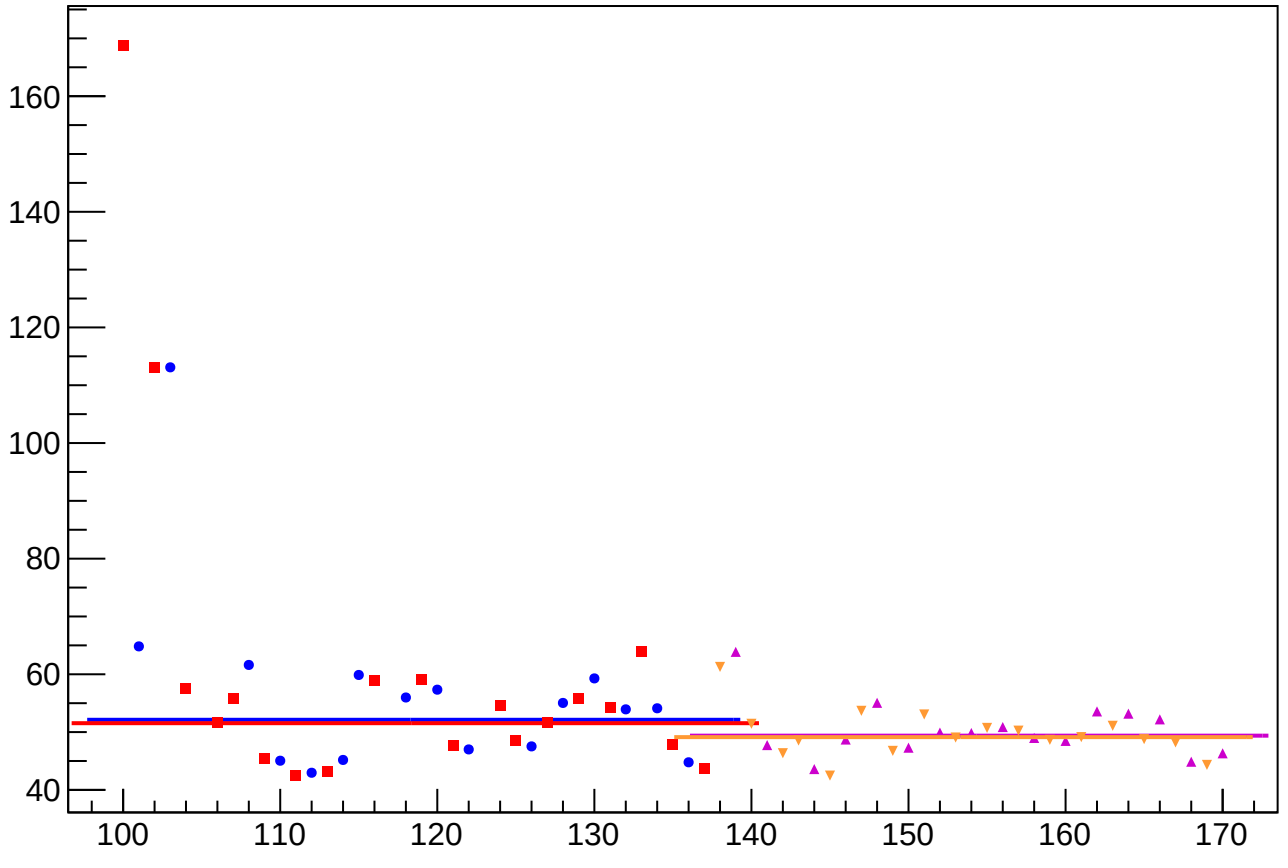
Left: 43.932+/-9.610 χ^2/NDF: 42.2/32

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.823+/-11.291 χ^2/NDF:44.5/31

Out: 41.188+/-11.122 χ^2/NDF:46.2/35

All: 37.561+/-7.924 χ^2/NDF: 91.0/67



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.127+/-0.010 χ^2/NDF:155012.7/16

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

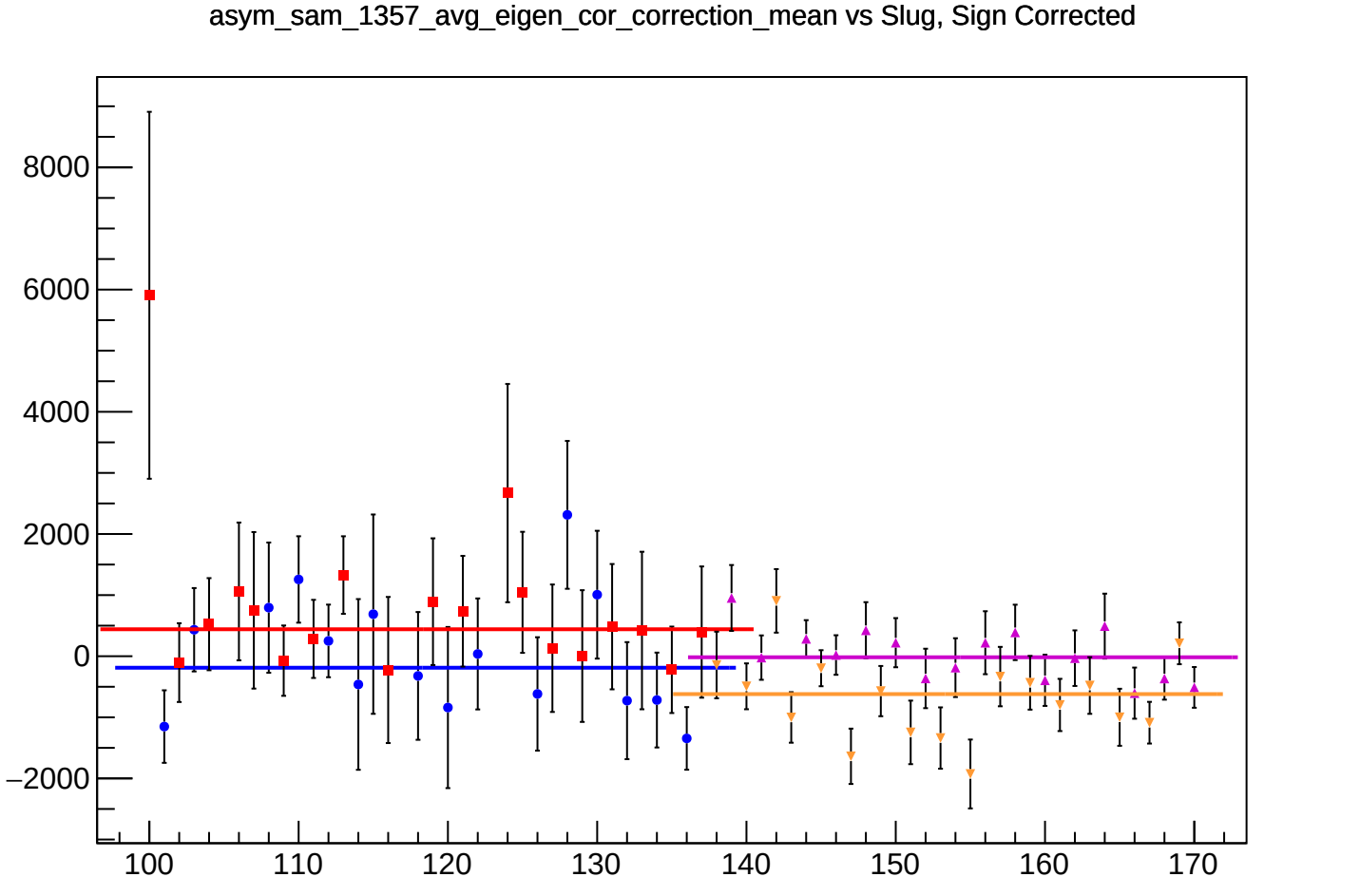
Left: 49.253+/-0.007 χ^2/NDF: 342614.3/32

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.258+/-0.008 χ^2/NDF:775853.7/31

Out: 49.902+/-0.008 χ^2/NDF:815314.3/35

All: 50.078+/-0.006 χ^2/NDF: 1592178.0/67


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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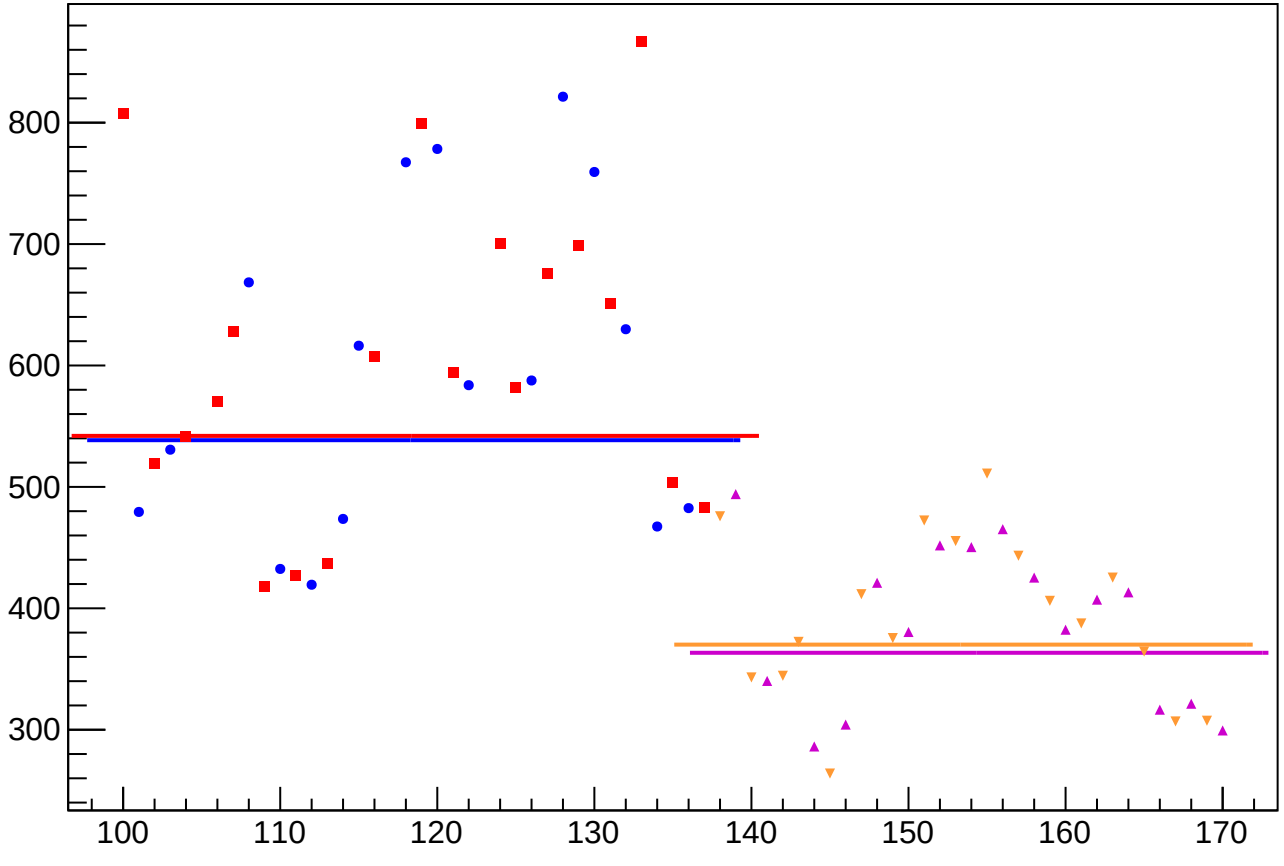
140
150
160
170
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -619.873+/-102.937 χ²/NDF:35.6/16
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -17.234+/-101.801 χ²/NDF:14.1/15
Left: -315.210+/-72.382 χ²/NDF: 67.0/32
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: -50.907+/-91.248 χ²/NDF:36.0/31
Out: -404.730+/-91.910 χ²/NDF:68.0/35
All: -226.541+/-64.755 χ²/NDF: 111.4/67

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: 370.108+/-0.073 χ^2/NDF:854065.9/16

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.380+/-0.072 χ^2/NDF:770213.6/15

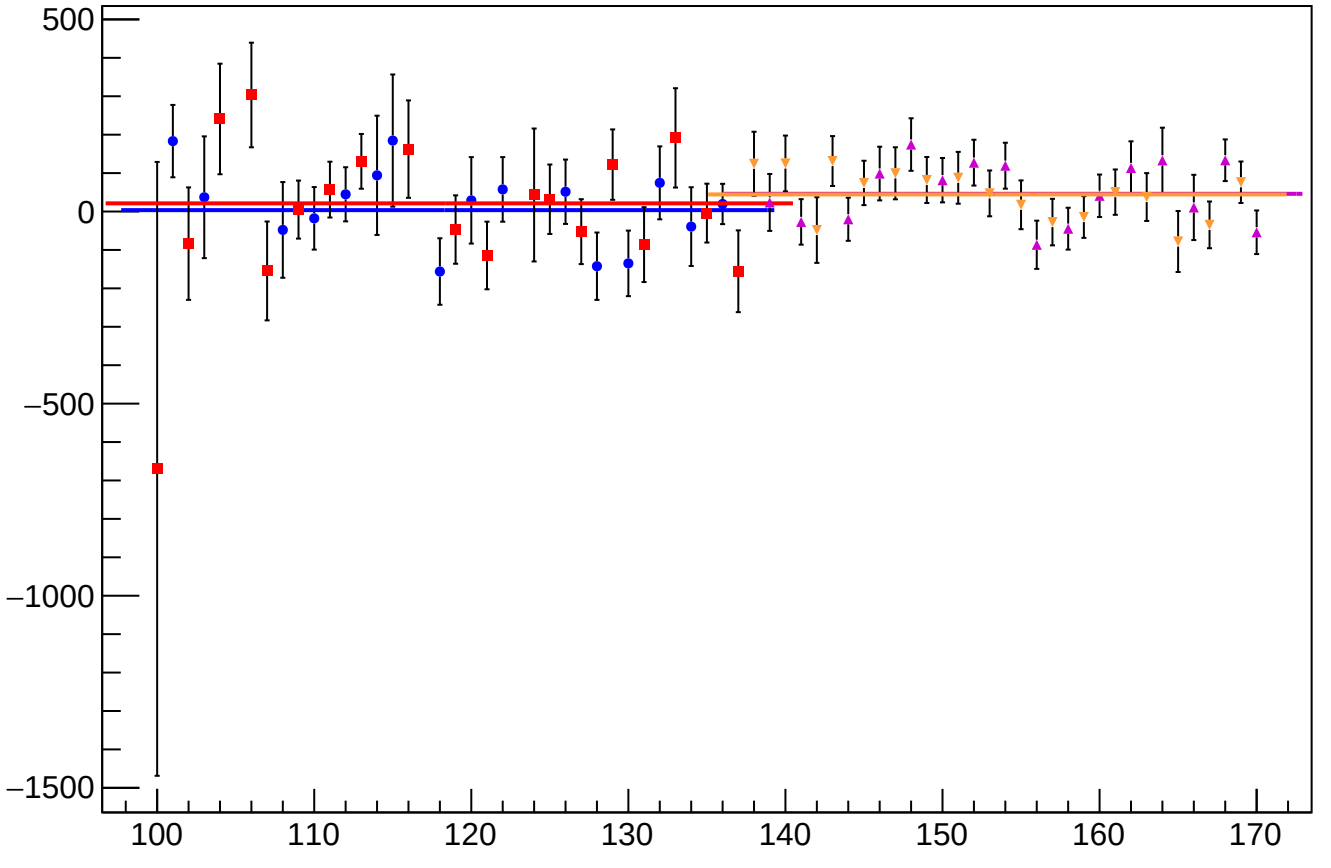
Left: 366.707+/-0.051 χ^2/NDF: 1628598.5/32

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 397.797+/-0.065 χ^2/NDF:2547183.8/31

Out: 404.967+/-0.065 χ^2/NDF:2616784.5/35

All: 401.356+/-0.046 χ^2/NDF: 5170097.1/67



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 44.511+/-15.460 χ^2/NDF:14.1/16

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 46.113+/-15.582 χ^2/NDF:25.9/15

Left: 45.305+/-10.975 χ^2/NDF: 40.0/32

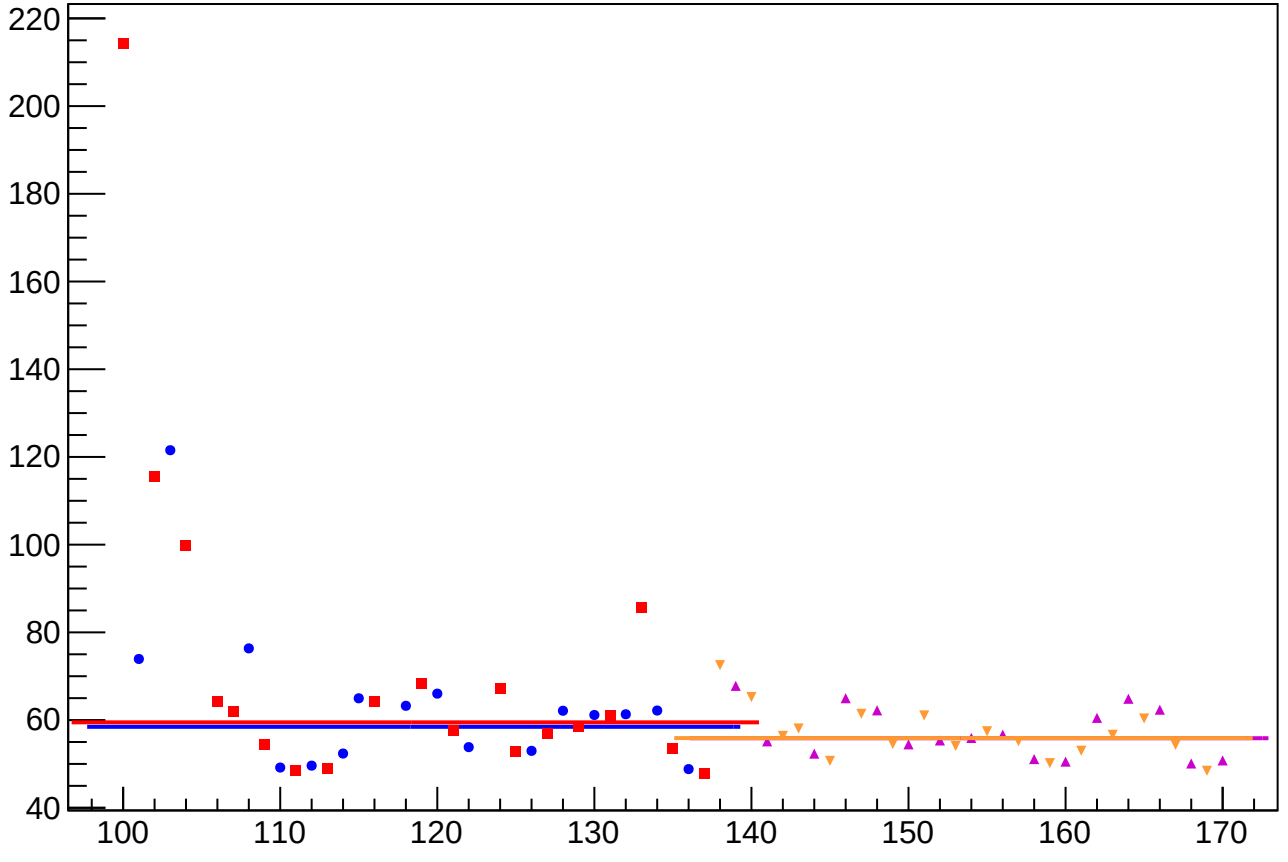
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 32.315+/-12.807 χ^2/NDF:44.5/31

Out: 37.172+/-12.790 χ^2/NDF:39.2/35

All: 34.746+/-9.050 χ^2/NDF: 83.8/67

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.891+/-0.011 χ^2/NDF:233694.0/16

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.862+/-0.011 χ^2/NDF:228490.0/15

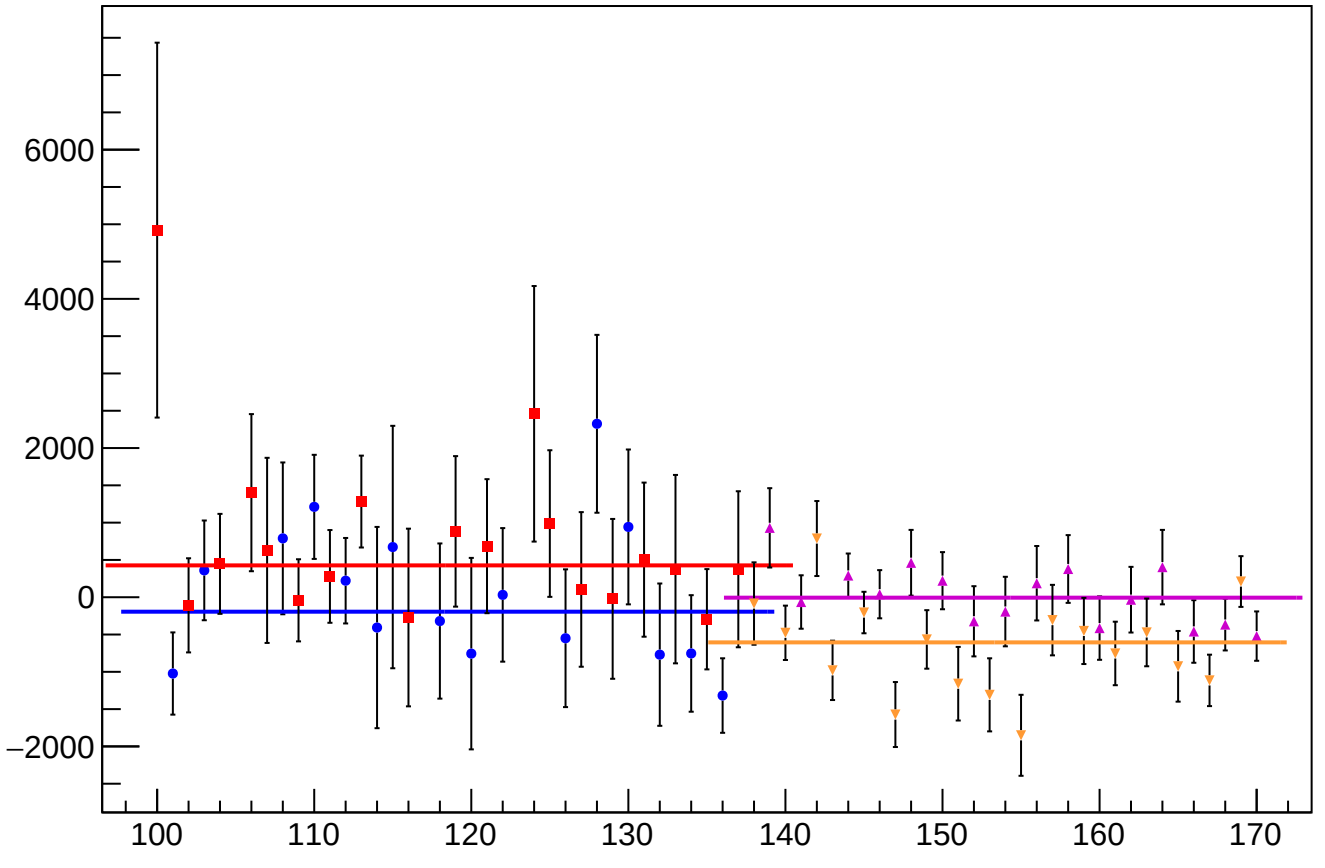
Left: 55.877+/-0.008 χ^2/NDF: 462187.6/32

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.707+/-0.009 χ^2/NDF:829594.5/31

Out: 57.025+/-0.009 χ^2/NDF:1052658.1/35

All: 56.866+/-0.006 χ^2/NDF: 1882870.6/67



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -605.291+/-100.552 χ^2/NDF:34.3/16

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: -5.922+/-99.904 χ^2/NDF:13.4/15

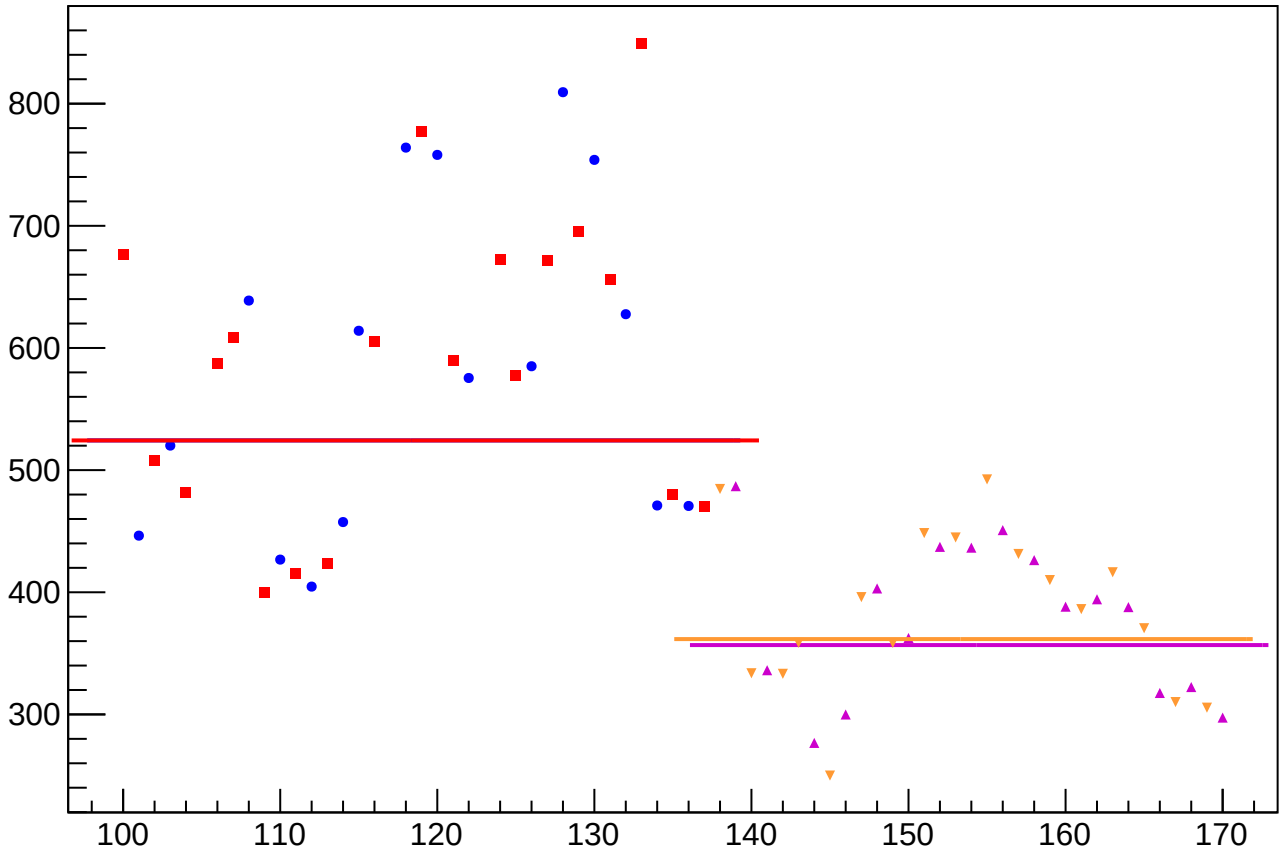
Left: -303.670+/-70.871 χ^2/NDF: 65.6/32

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -43.279+/-89.428 χ^2/NDF:34.9/31

Out: -391.950+/-89.561 χ^2/NDF:67.4/35

All: -217.356+/-63.282 χ^2/NDF: 109.9/67



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 361.673+/-0.071 χ^2/NDF:891208.2/16

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 356.779+/-0.071 χ^2/NDF:727901.4/15

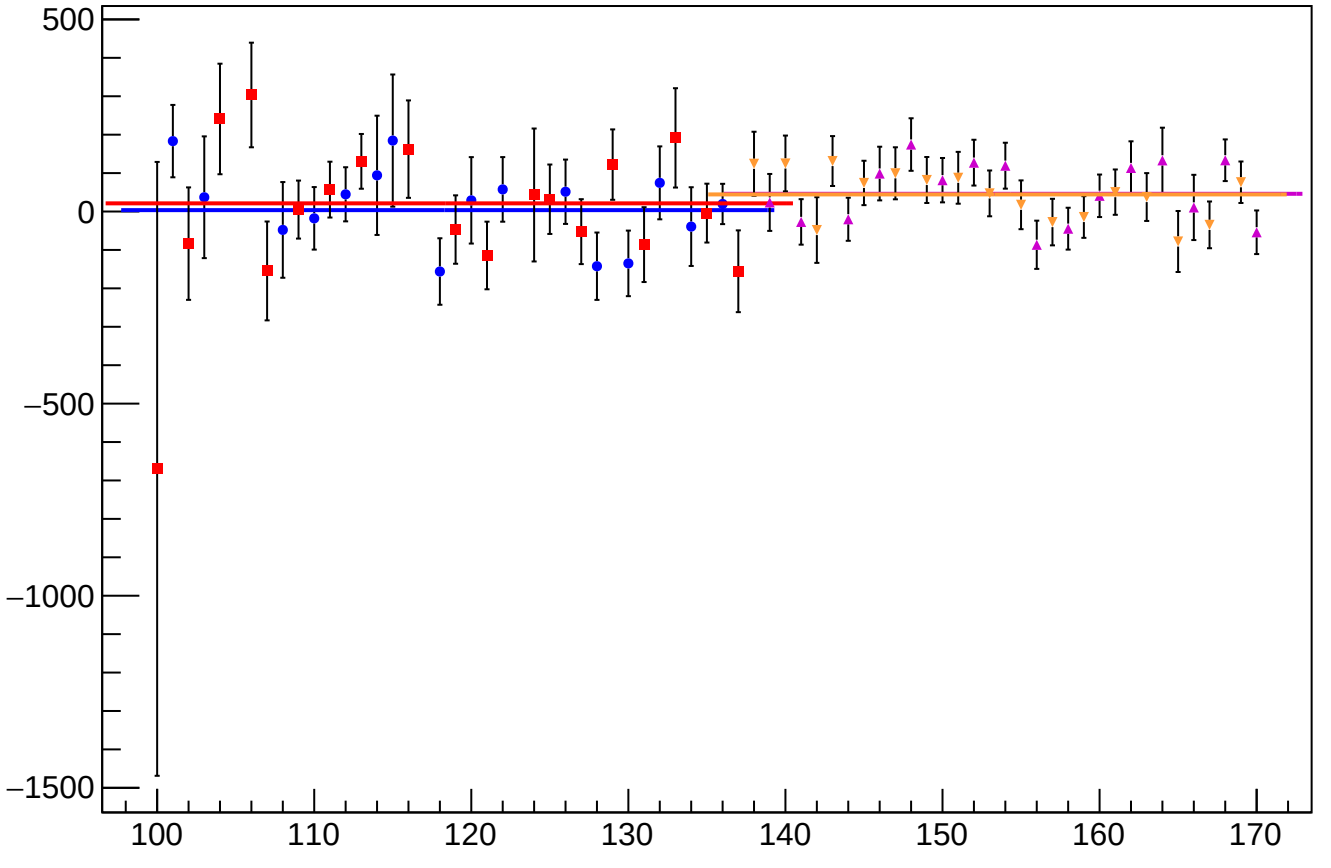
Left: 359.210+/-0.050 χ^2/NDF: 1621494.0/32

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 390.076+/-0.063 χ^2/NDF:2504300.0/31

Out: 395.285+/-0.063 χ^2/NDF:2658576.1/35

All: 392.676+/-0.045 χ^2/NDF: 5166263.7/67



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 44.511+/-15.460 χ^2/NDF:14.1/16

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 46.113+/-15.583 χ^2/NDF:25.9/15

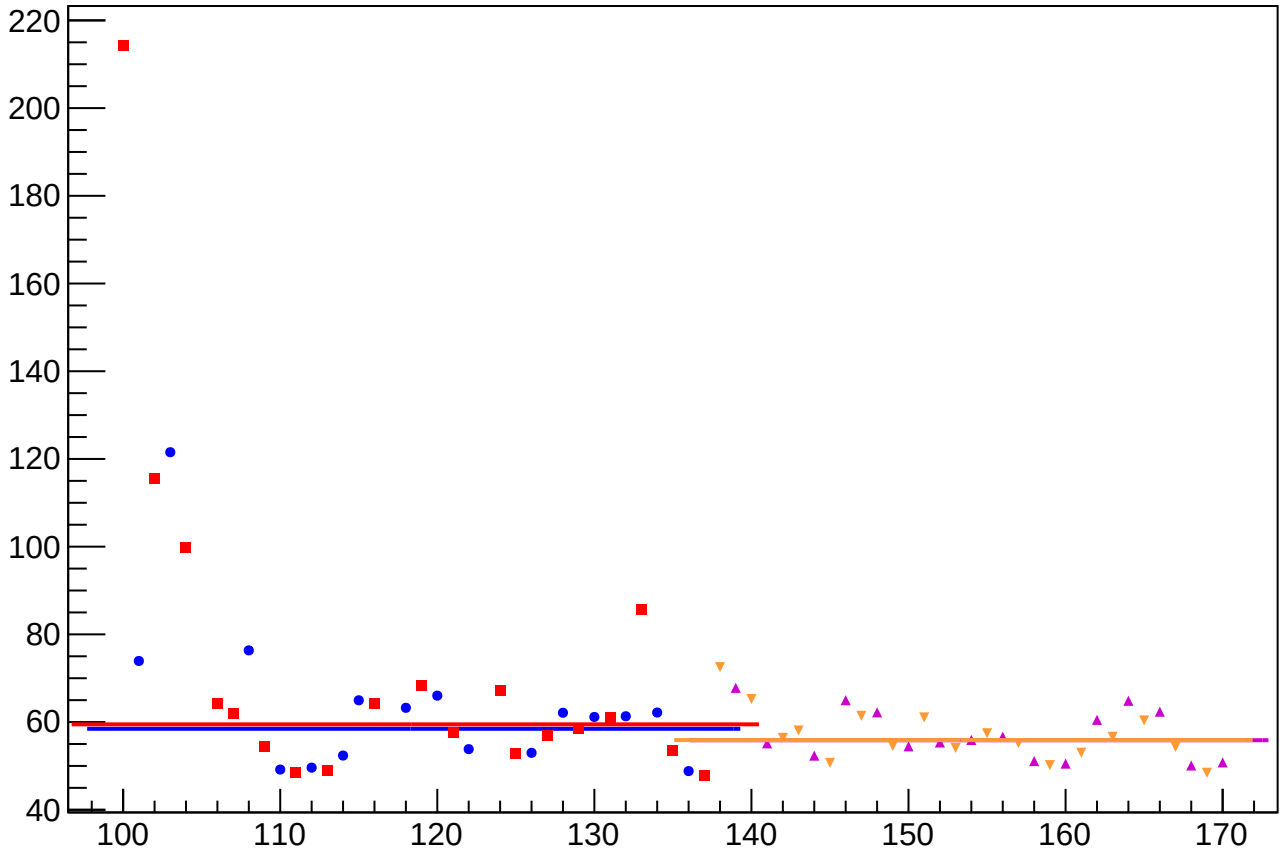
Left: 45.306+/-10.975 χ^2/NDF: 40.0/32

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 32.314+/-12.807 χ^2/NDF:44.5/31

Out: 37.172+/-12.790 χ^2/NDF:39.2/35

All: 34.746+/-9.050 χ^2/NDF: 83.8/67



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.891+/-0.011 χ^2/NDF:233699.4/16

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.862+/-0.011 χ^2/NDF:228492.7/15

Left: 55.877+/-0.008 χ^2/NDF: 462195.6/32

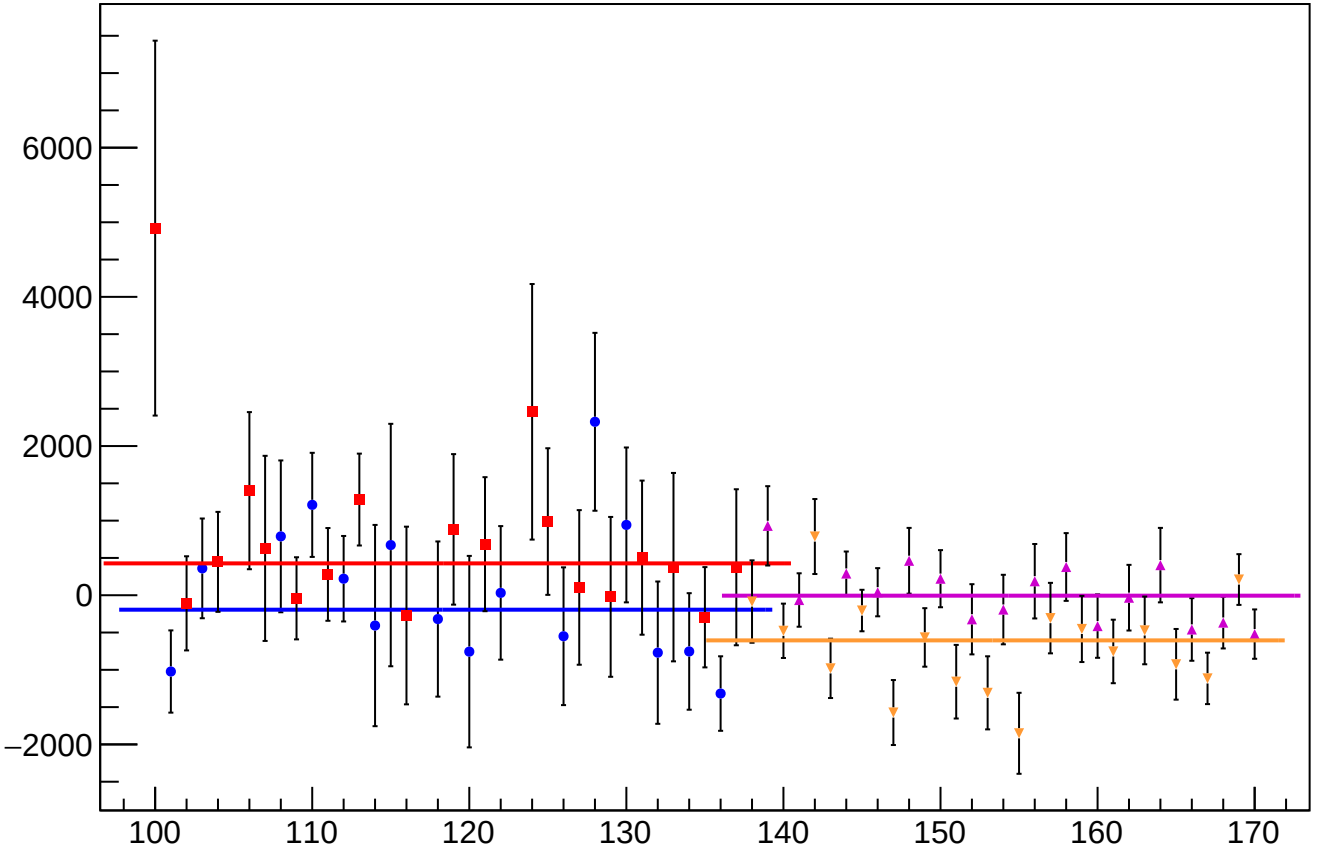
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.707+/-0.009 χ^2/NDF:829593.0/31

Out: 57.025+/-0.009 χ^2/NDF:1052663.0/35

All: 56.866+/-0.006 χ^2/NDF: 1882874.1/67

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: -605.291+/-100.552 χ^2/NDF:34.3/16

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -5.923+/-99.904 χ^2/NDF:13.4/15

Left: -303.670+/-70.871 χ^2/NDF: 65.6/32

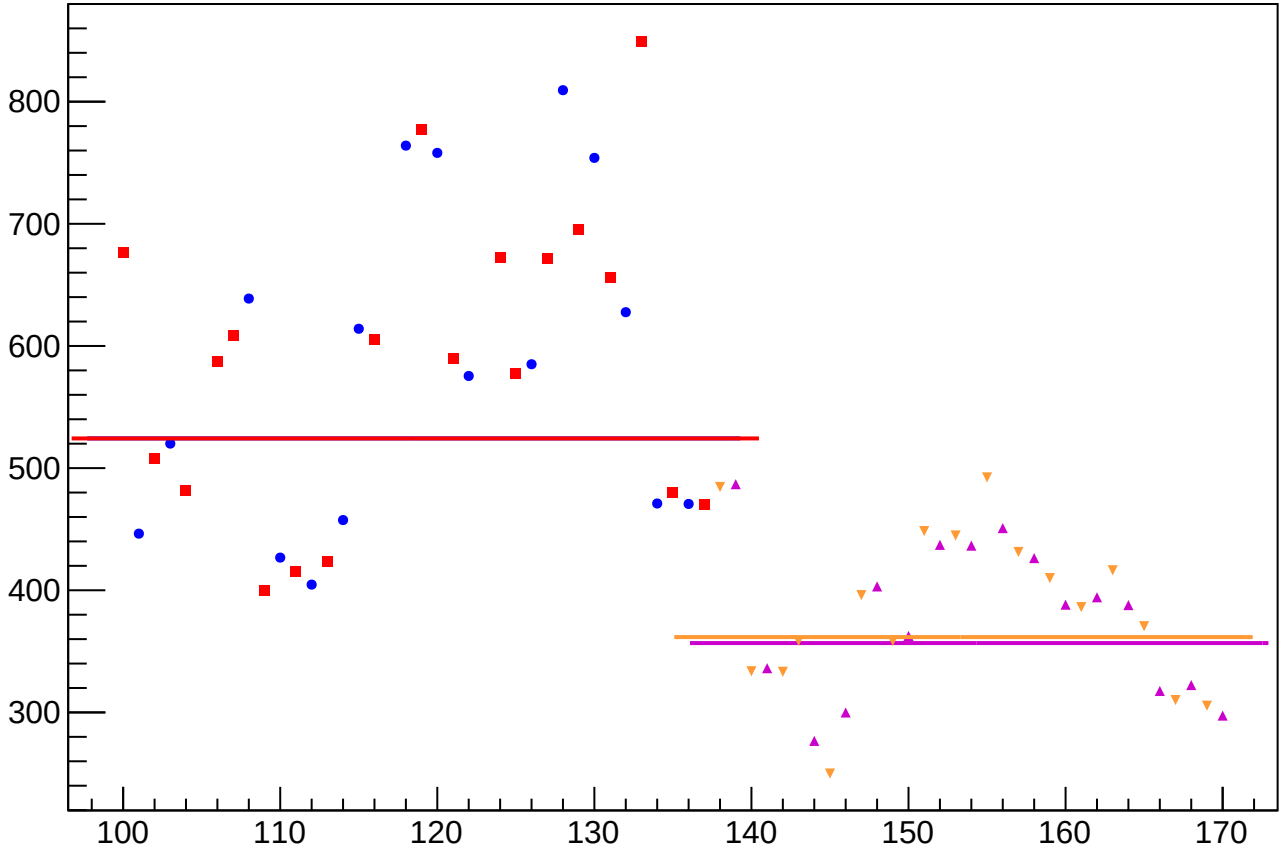
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -43.280+/-89.428 χ^2/NDF:34.9/31

Out: -391.950+/-89.561 χ^2/NDF:67.4/35

All: -217.356+/-63.282 χ^2/NDF: 109.9/67

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: 361.672+/-0.071 χ^2/NDF:891204.5/16

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 356.778+/-0.071 χ^2/NDF:727897.3/15

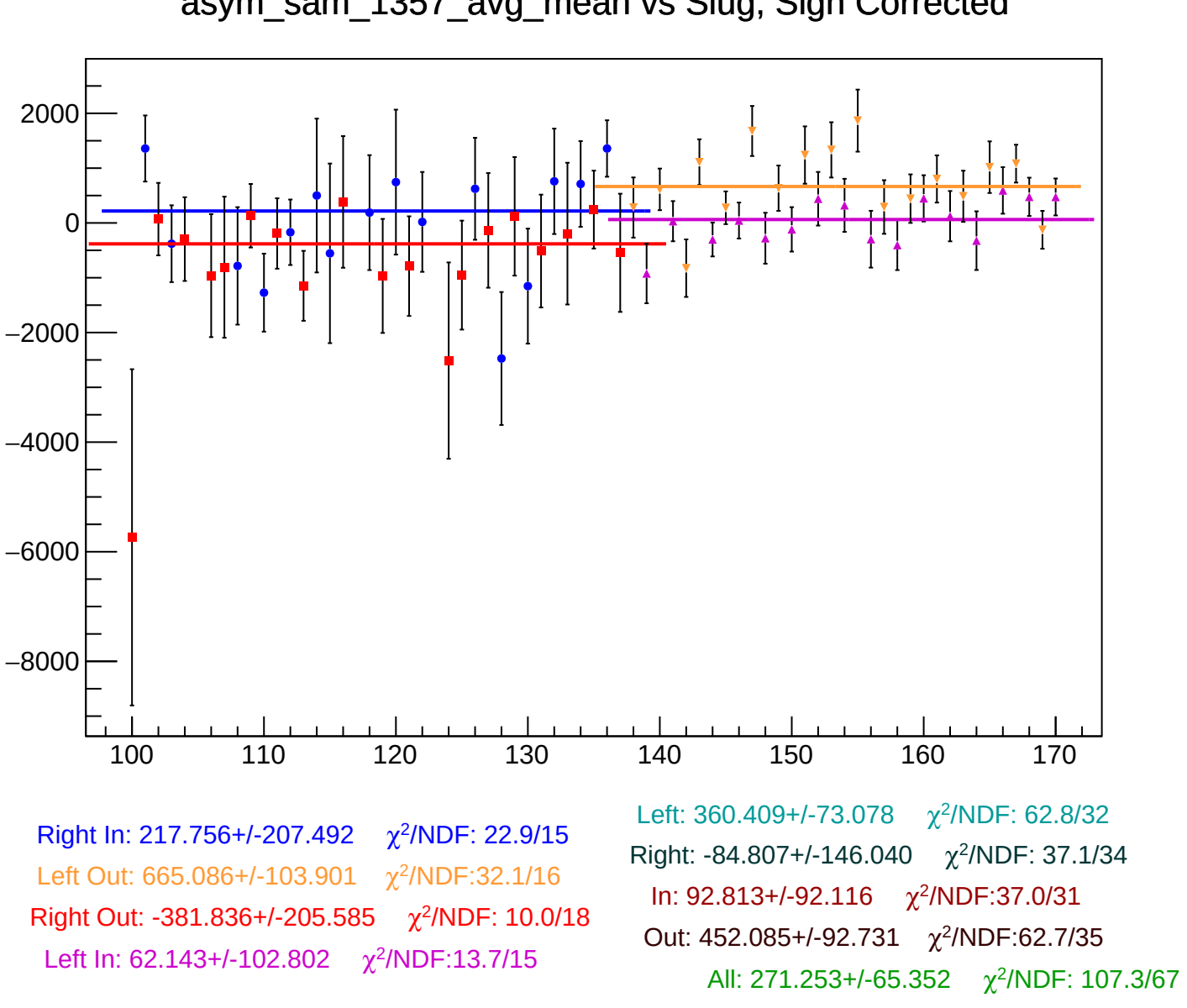
Left: 359.210+/-0.050 χ^2/NDF: 1621486.2/32

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

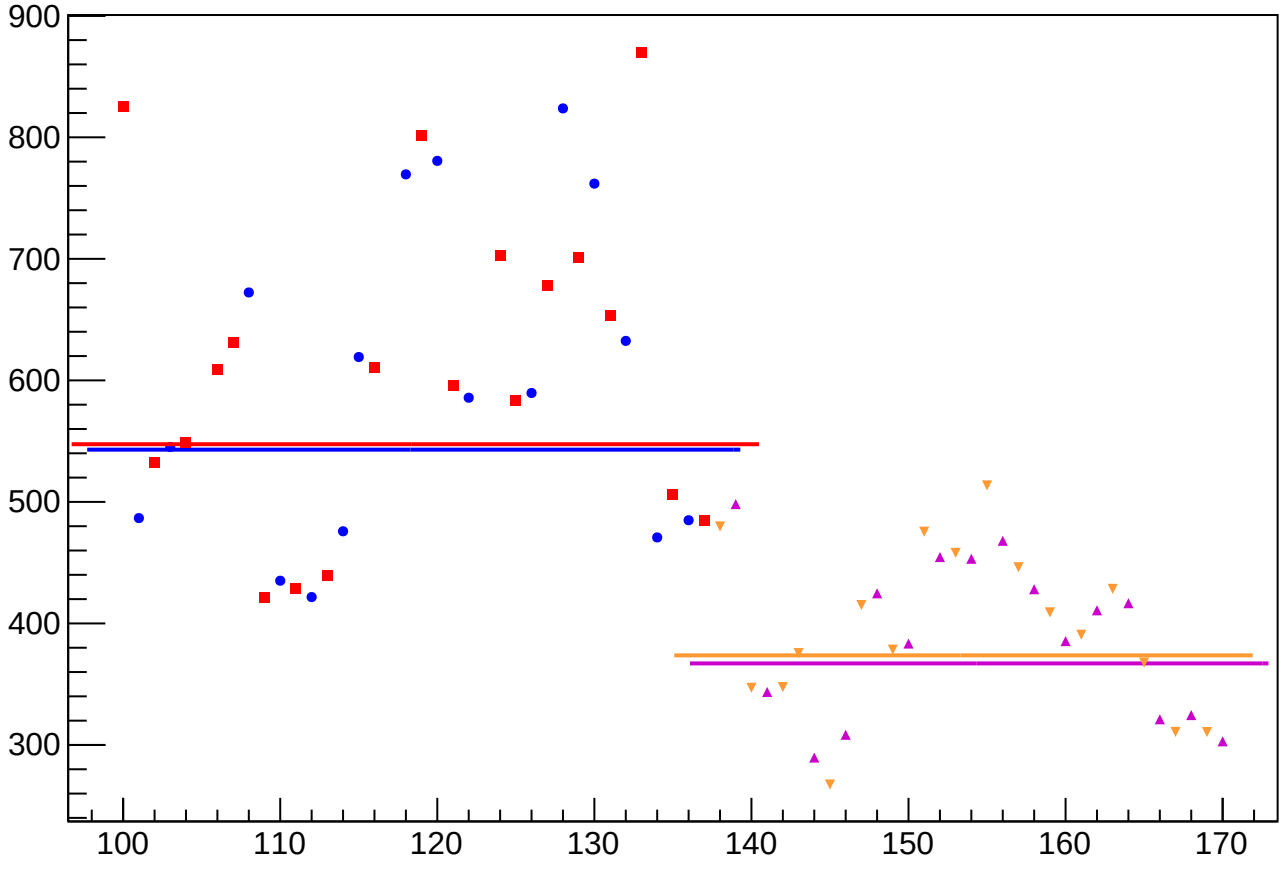
In: 390.075+/-0.063 χ^2/NDF:2504294.4/31

Out: 395.284+/-0.063 χ^2/NDF:2658568.3/35

All: 392.676+/-0.045 χ^2/NDF: 5166250.3/67


asym_sam_1357_avg_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 217.756+/-207.492 χ²/NDF: 22.9/15
Left Out: 665.086+/-103.901 χ²/NDF:32.1/16
Right Out: -381.836+/-205.585 χ²/NDF: 10.0/18
Left In: 62.143+/-102.802 χ²/NDF:13.7/15
Left: 360.409+/-73.078 χ²/NDF: 62.8/32
Right: -84.807+/-146.040 χ²/NDF: 37.1/34
In: 92.813+/-92.116 χ²/NDF:37.0/31
Out: 452.085+/-92.731 χ²/NDF:62.7/35
All: 271.253+/-65.352 χ²/NDF: 107.3/67

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 373.728+/-0.073 χ^2/NDF:833310.6/16

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 367.105+/-0.073 χ^2/NDF:751221.0/15

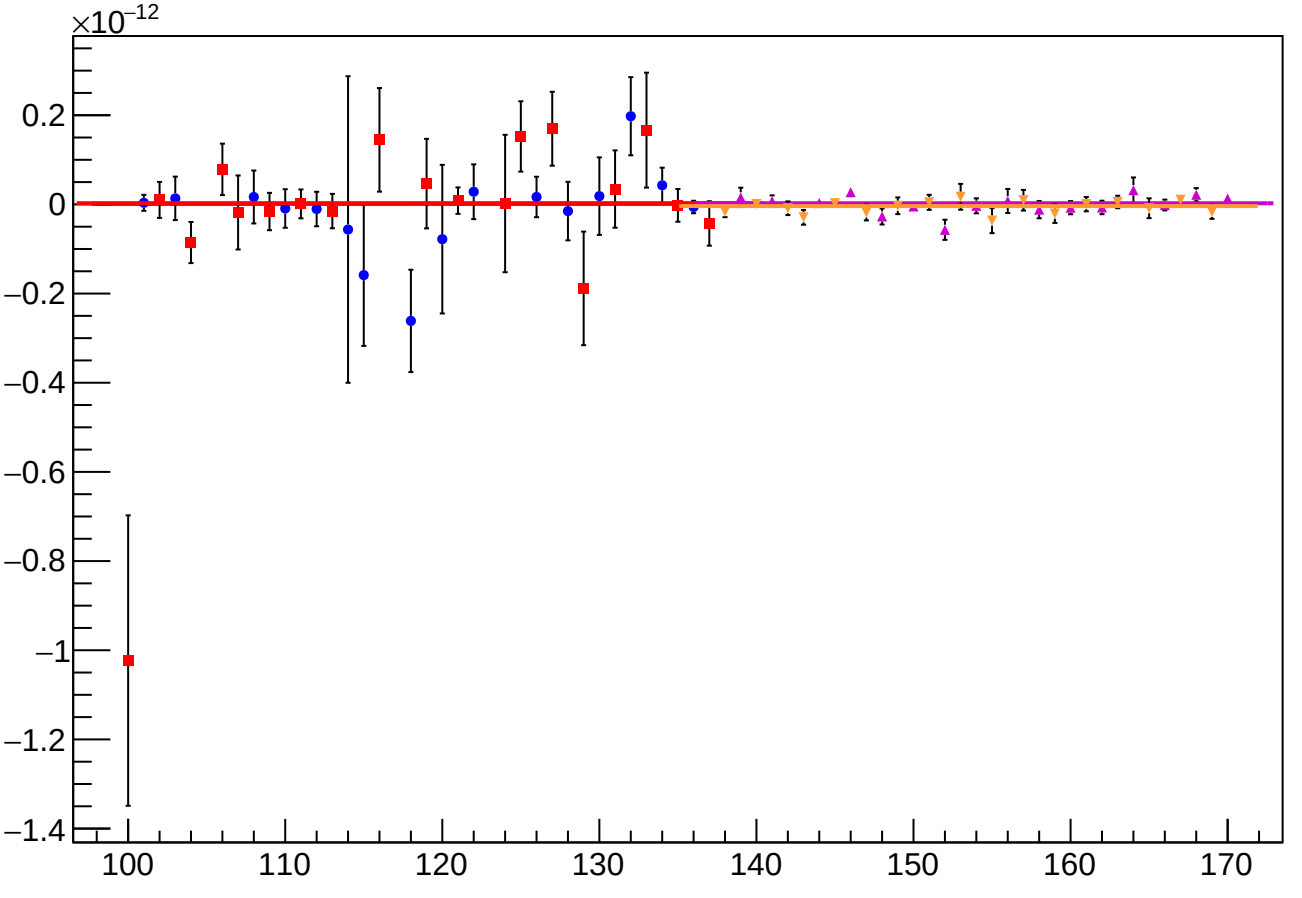
Left: 370.381+/-0.052 χ^2/NDF: 1588637.7/32

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 401.772+/-0.065 χ^2/NDF:2510426.7/31

Out: 409.075+/-0.066 χ^2/NDF:2601331.8/35

All: 405.399+/-0.046 χ^2/NDF: 5118002.8/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/15

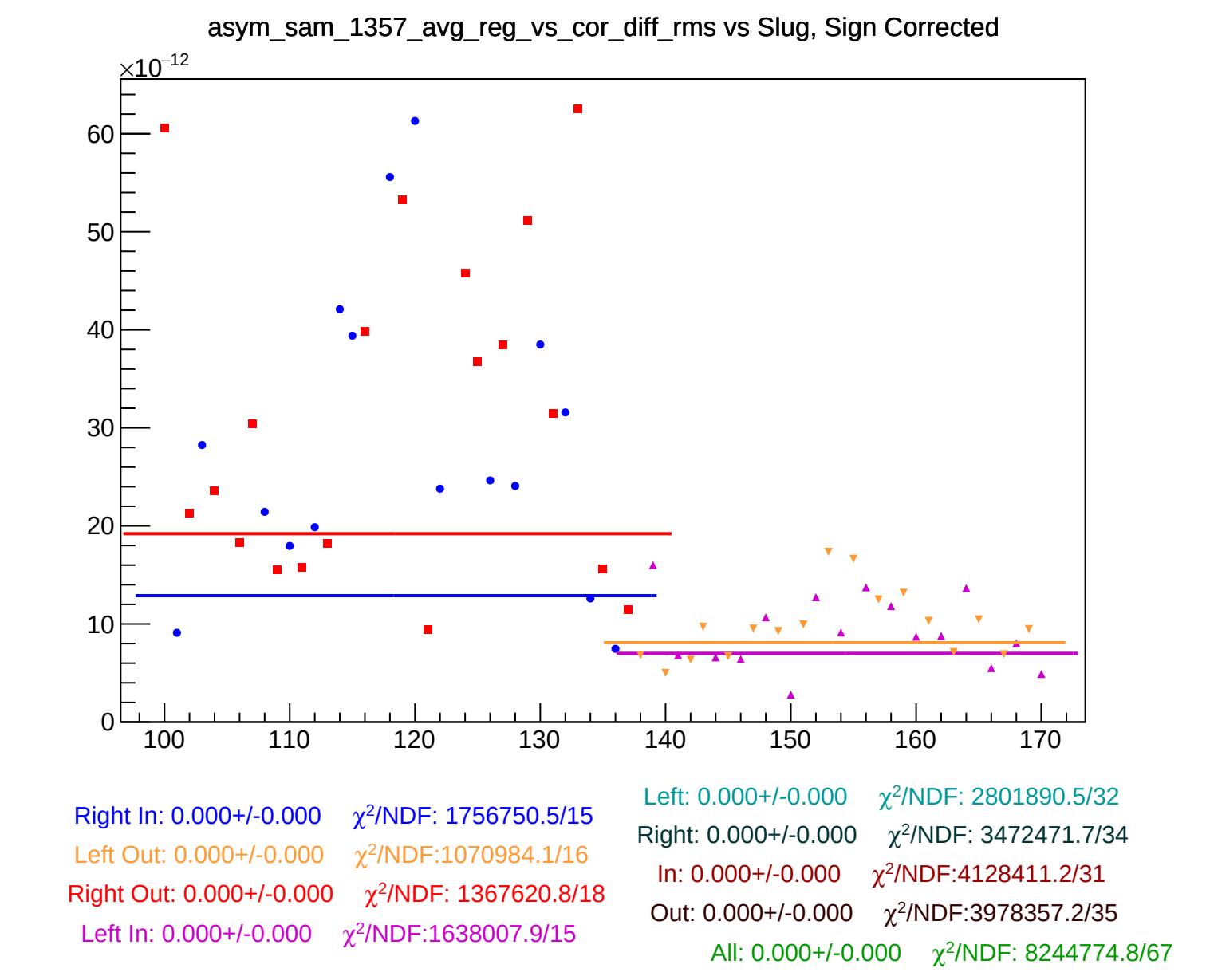
Left: -0.000+/-0.000 χ^2/NDF: 33.4/32

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

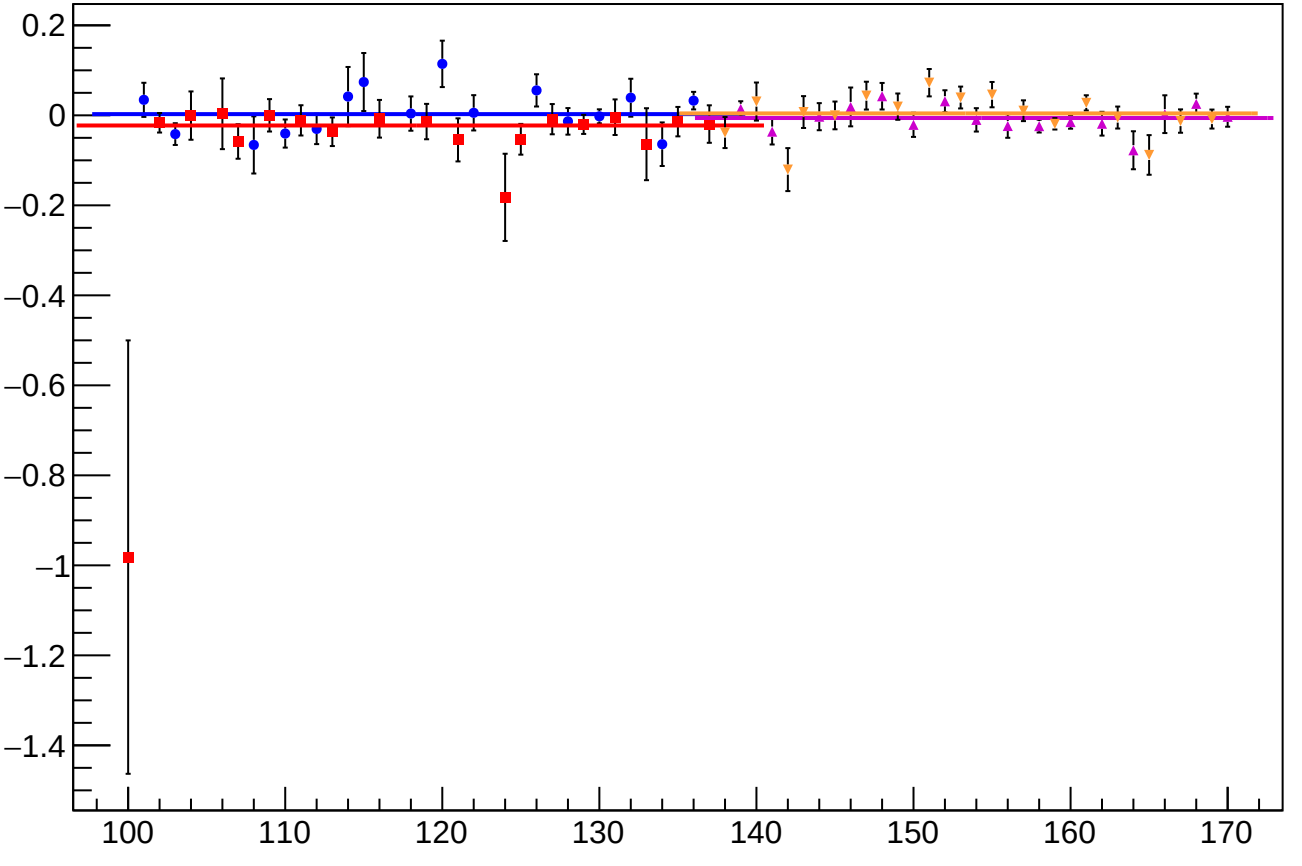
In: 0.000+/-0.000 χ^2/NDF:34.8/31

Out: -0.000+/-0.000 χ^2/NDF:41.0/35

All: -0.000+/-0.000 χ^2/NDF: 77.2/67


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:1070984.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1638007.9/15
Left: 0.000+/-0.000 χ²/NDF: 2801890.5/32
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4128411.2/31
Out: 0.000+/-0.000 χ²/NDF:3978357.2/35
All: 0.000+/-0.000 χ²/NDF: 8244774.8/67

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:30.7/16

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 47.9/32

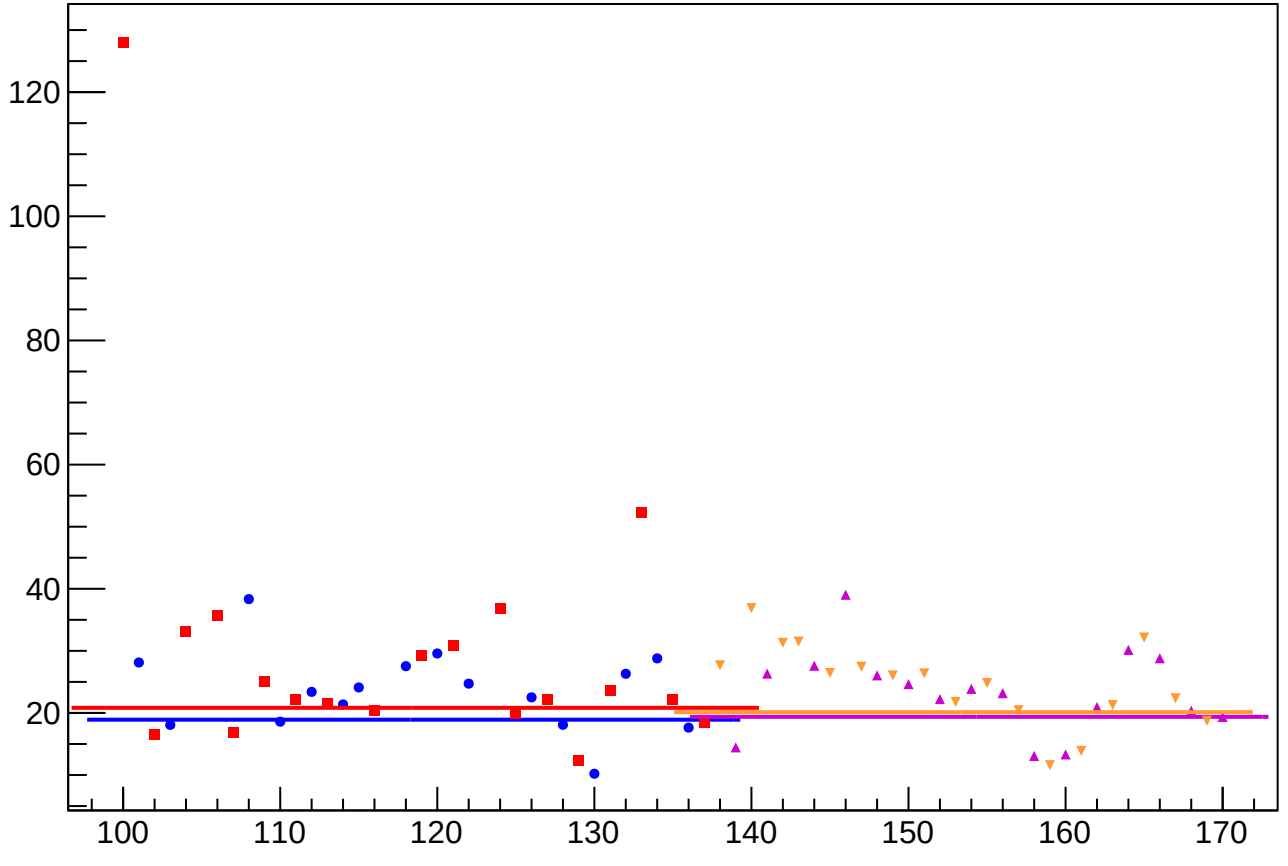
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.005+/-0.005 χ^2/NDF:48.1/35

All: -0.004+/-0.003 χ^2/NDF: 86.7/67

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: 20.129+/-0.004 χ^2/NDF:2513210.8/16

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.371+/-0.004 χ^2/NDF:2131138.9/15

Left: 19.736+/-0.003 χ^2/NDF: 4660678.6/32

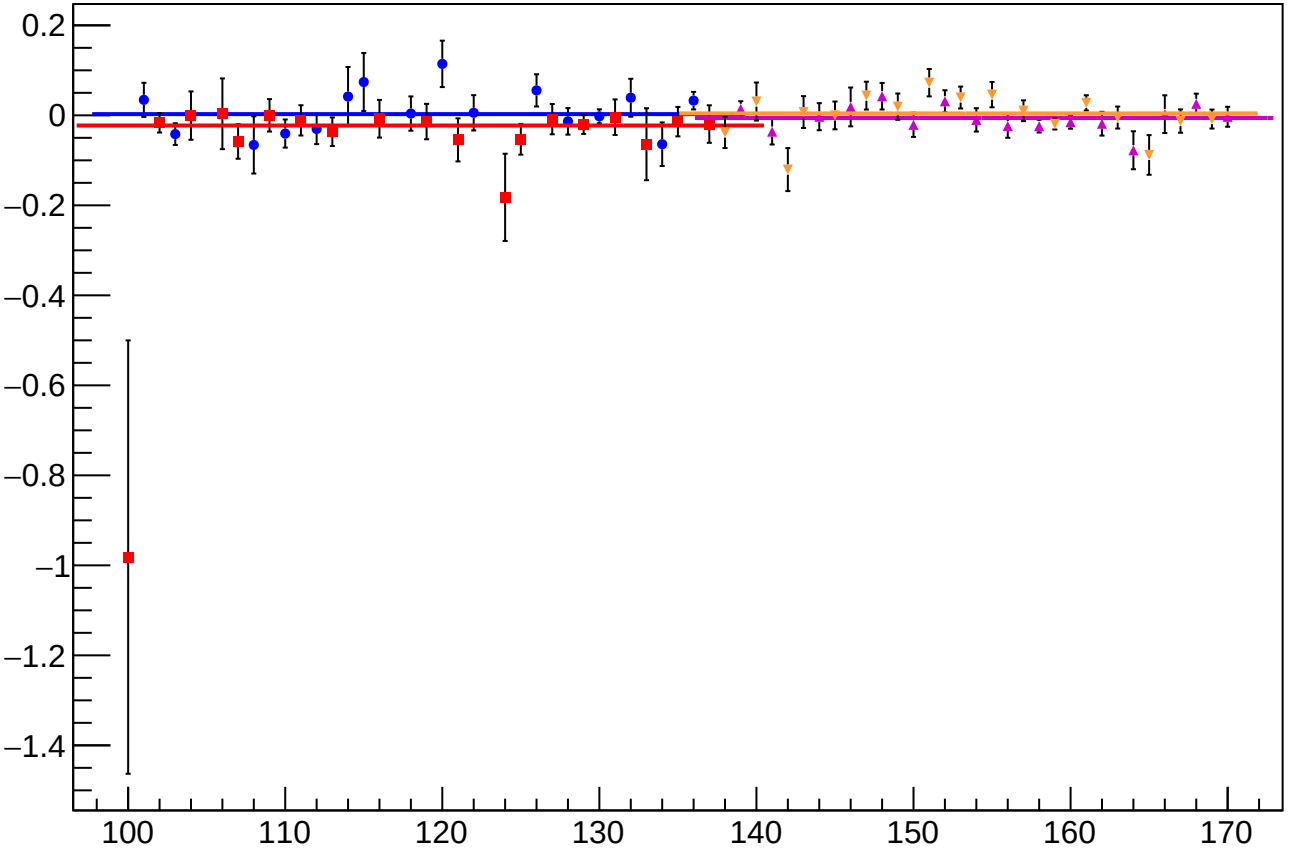
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.207+/-0.003 χ^2/NDF:3525957.6/31

Out: 20.364+/-0.003 χ^2/NDF:3813787.5/35

All: 19.756+/-0.002 χ^2/NDF: 7398145.4/67

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:30.7/16

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/15

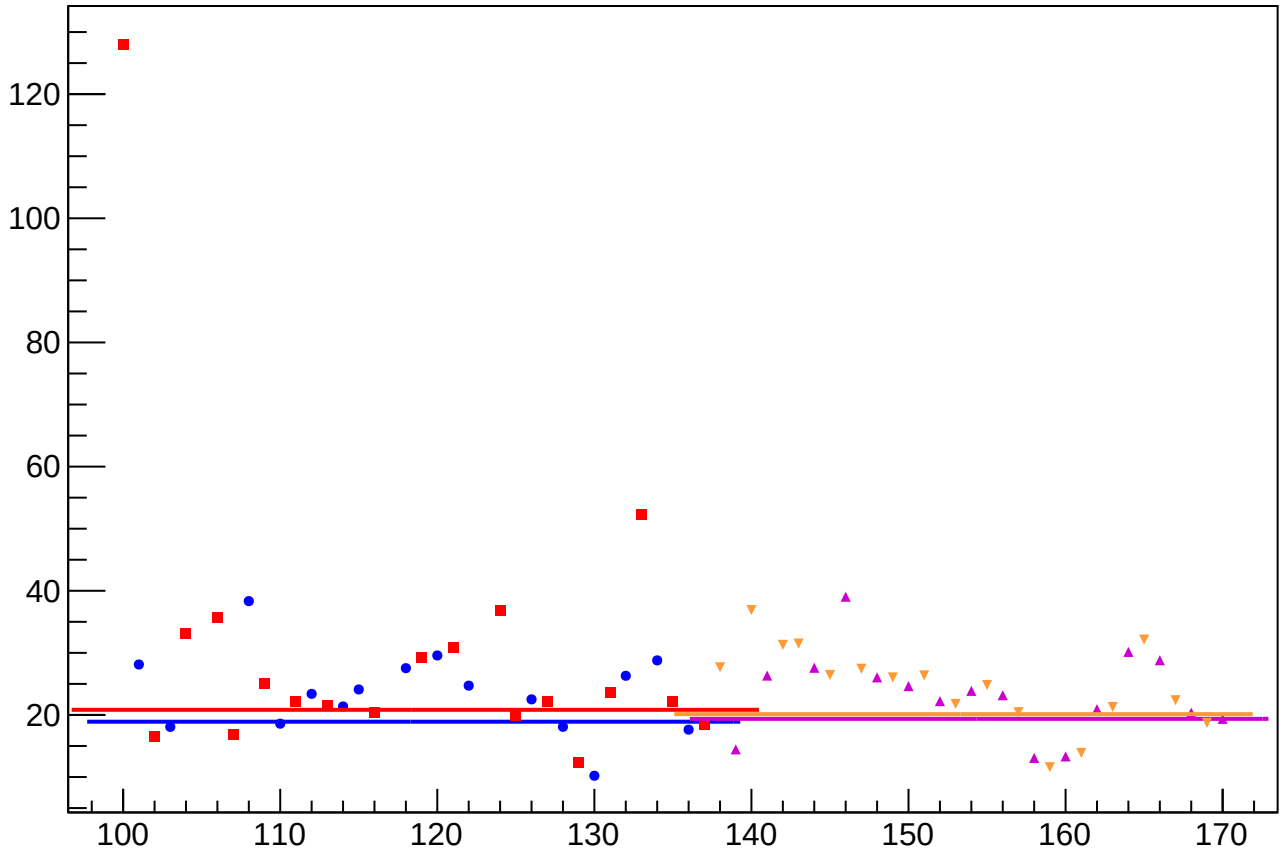
Left: -0.001+/-0.004 χ^2/NDF: 47.9/32

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.005+/-0.005 χ^2/NDF:48.1/35

All: -0.004+/-0.003 χ^2/NDF: 86.7/67



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.129+/-0.004 χ^2/NDF:2513210.8/16

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.371+/-0.004 χ^2/NDF:2131138.9/15

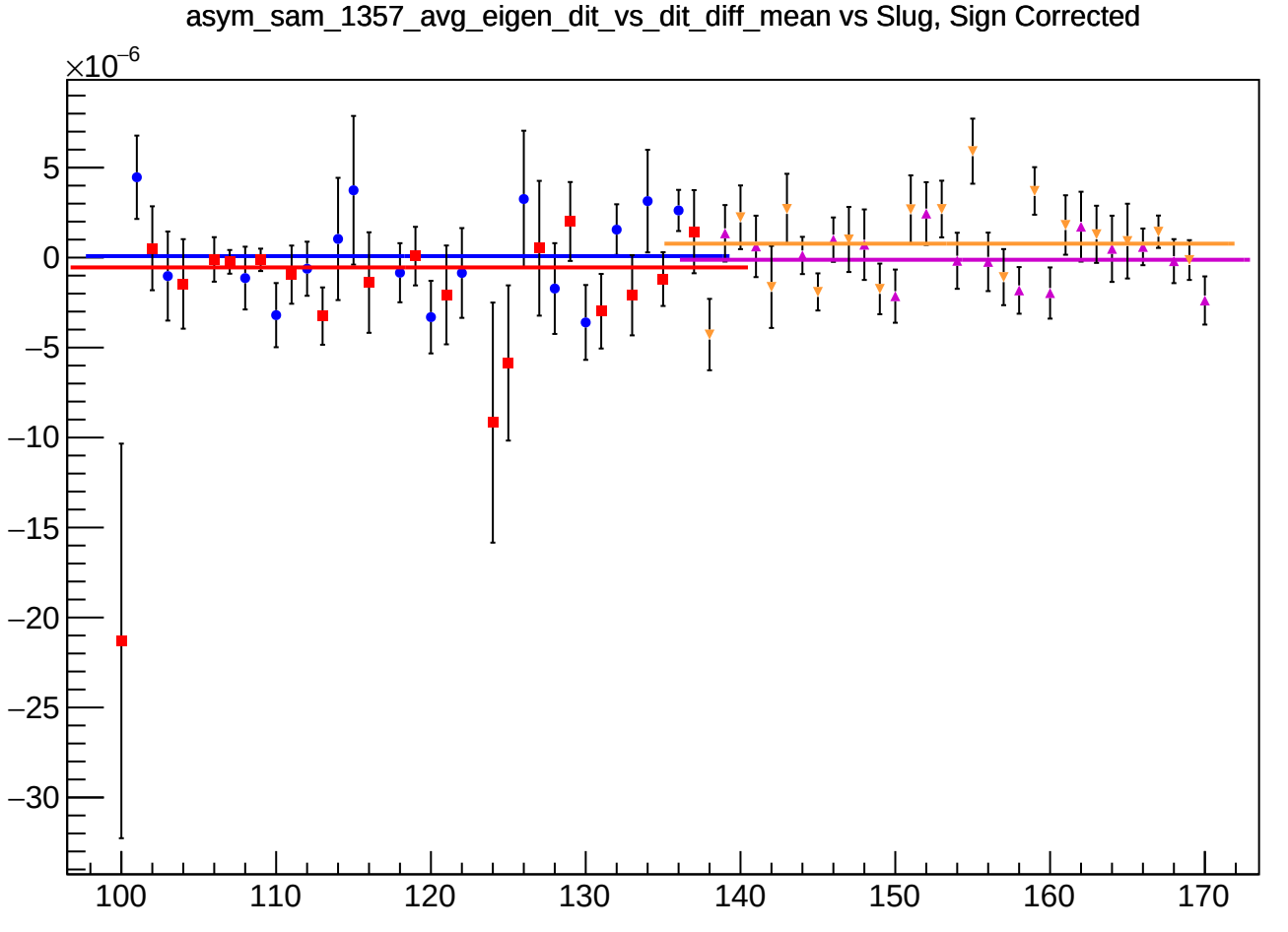
Left: 19.736+/-0.003 χ^2/NDF: 4660678.6/32

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.207+/-0.003 χ^2/NDF:3525957.6/31

Out: 20.364+/-0.003 χ^2/NDF:3813787.5/35

All: 19.756+/-0.002 χ^2/NDF: 7398145.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/15

Left: 0.000+/-0.000 χ^2/NDF: 55.0/32

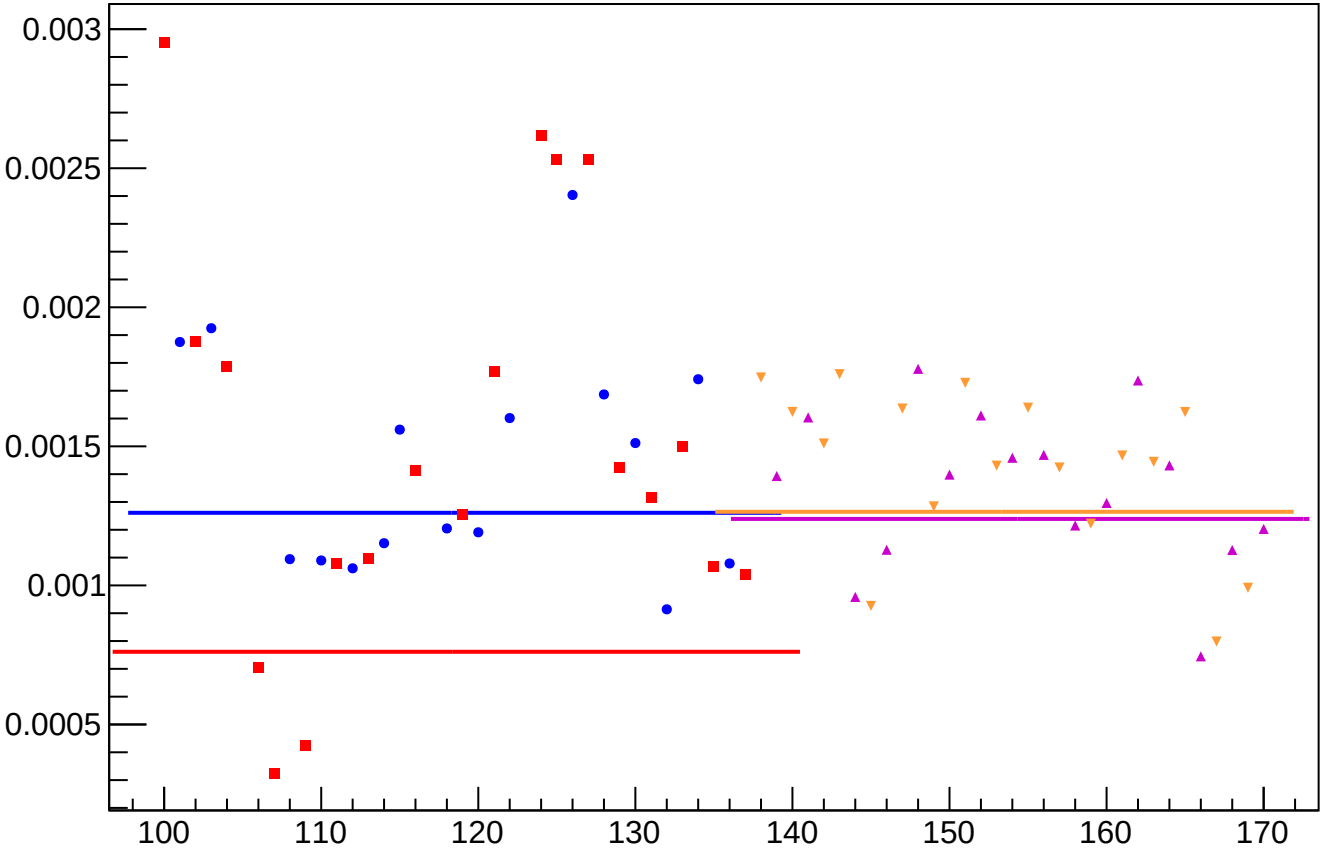
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:37.6/31

Out: 0.000+/-0.000 χ^2/NDF:60.7/35

All: 0.000+/-0.000 χ^2/NDF: 98.4/67

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:1680103.4/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1265955.7/15

Left: 0.001+/-0.000 χ^2/NDF: 2951294.5/32

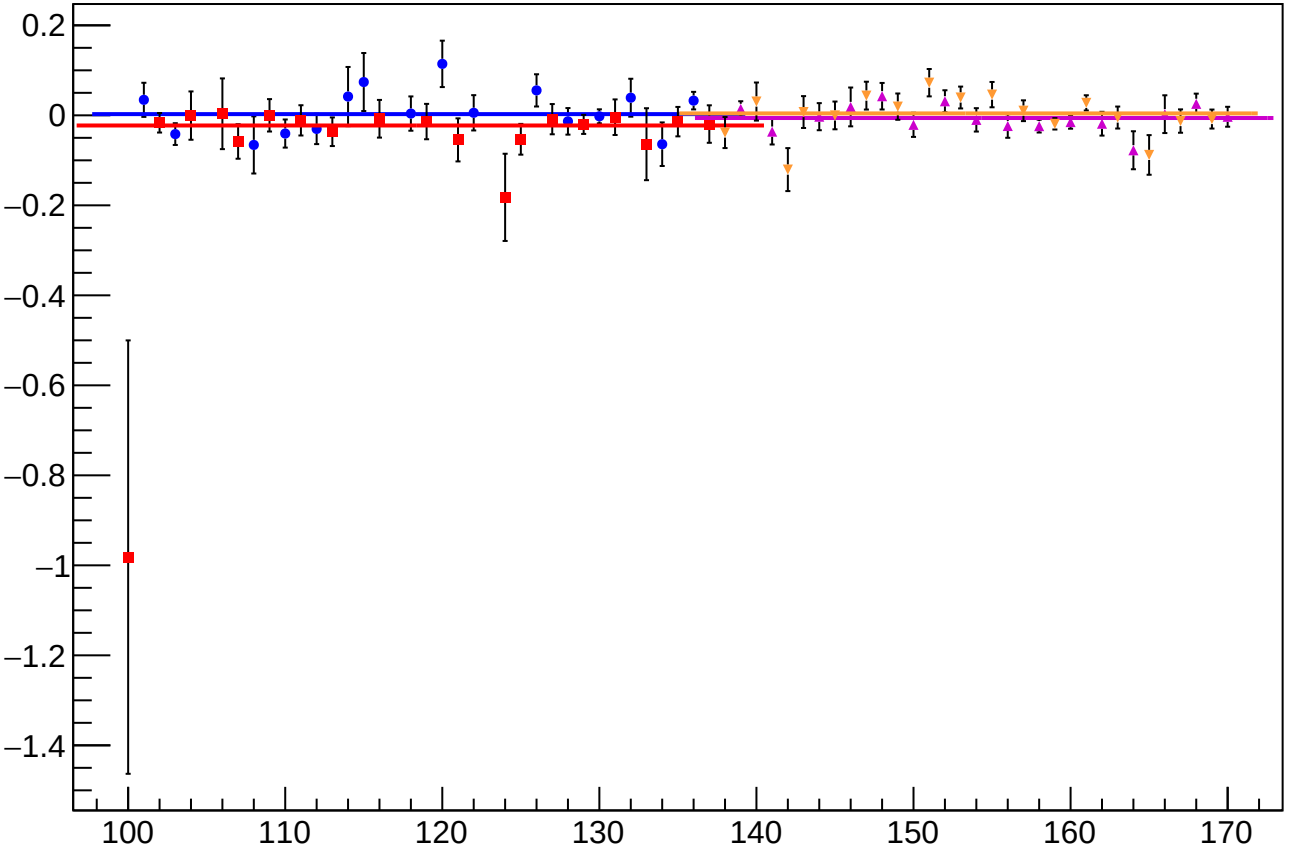
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2175980.2/31

Out: 0.001+/-0.000 χ^2/NDF:8441905.6/35

All: 0.001+/-0.000 χ^2/NDF: 11480721.7/67

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:30.7/16

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 47.9/32

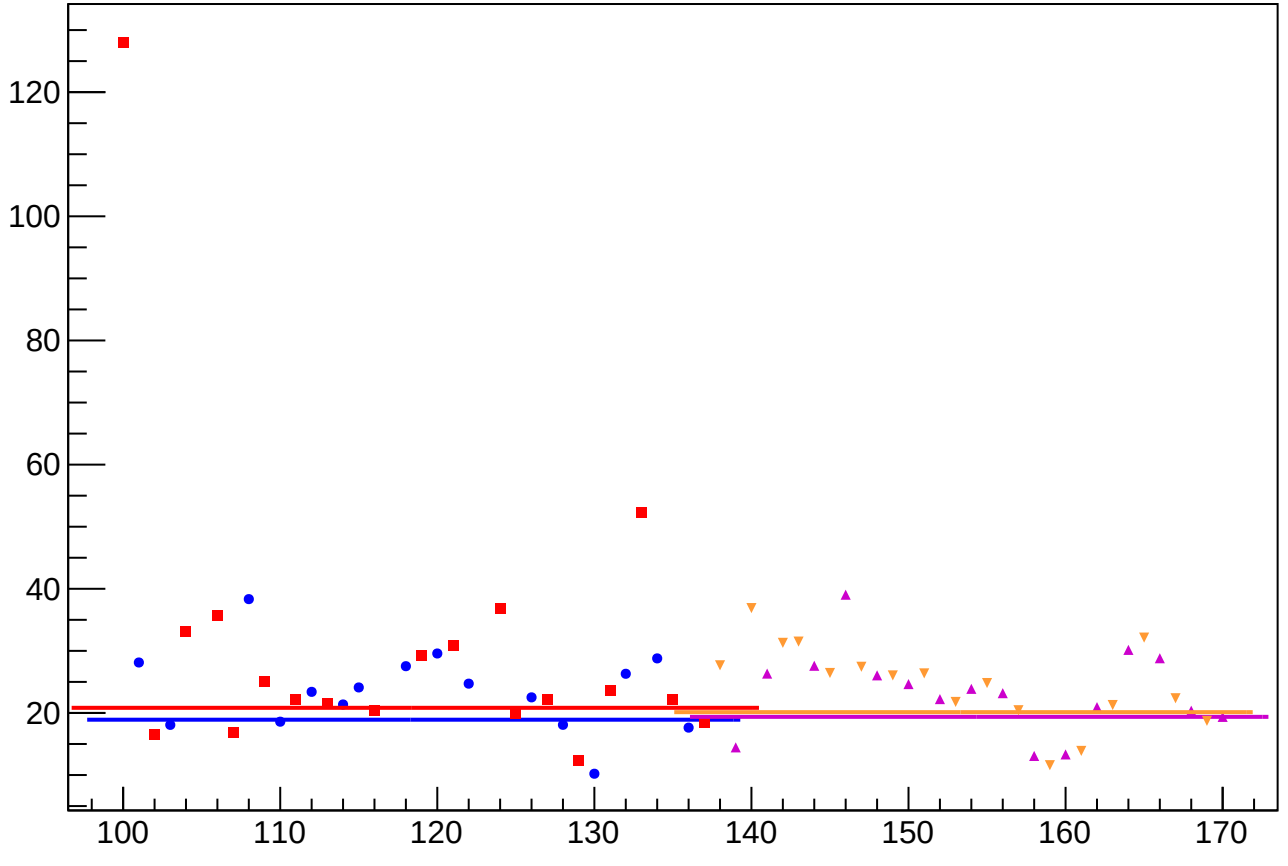
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.005+/-0.005 χ^2/NDF:48.1/35

All: -0.004+/-0.003 χ^2/NDF: 86.7/67

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: 20.129+/-0.004 χ^2/NDF:2513405.0/16

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/15

Left: 19.736+/-0.003 χ^2/NDF: 4660963.1/32

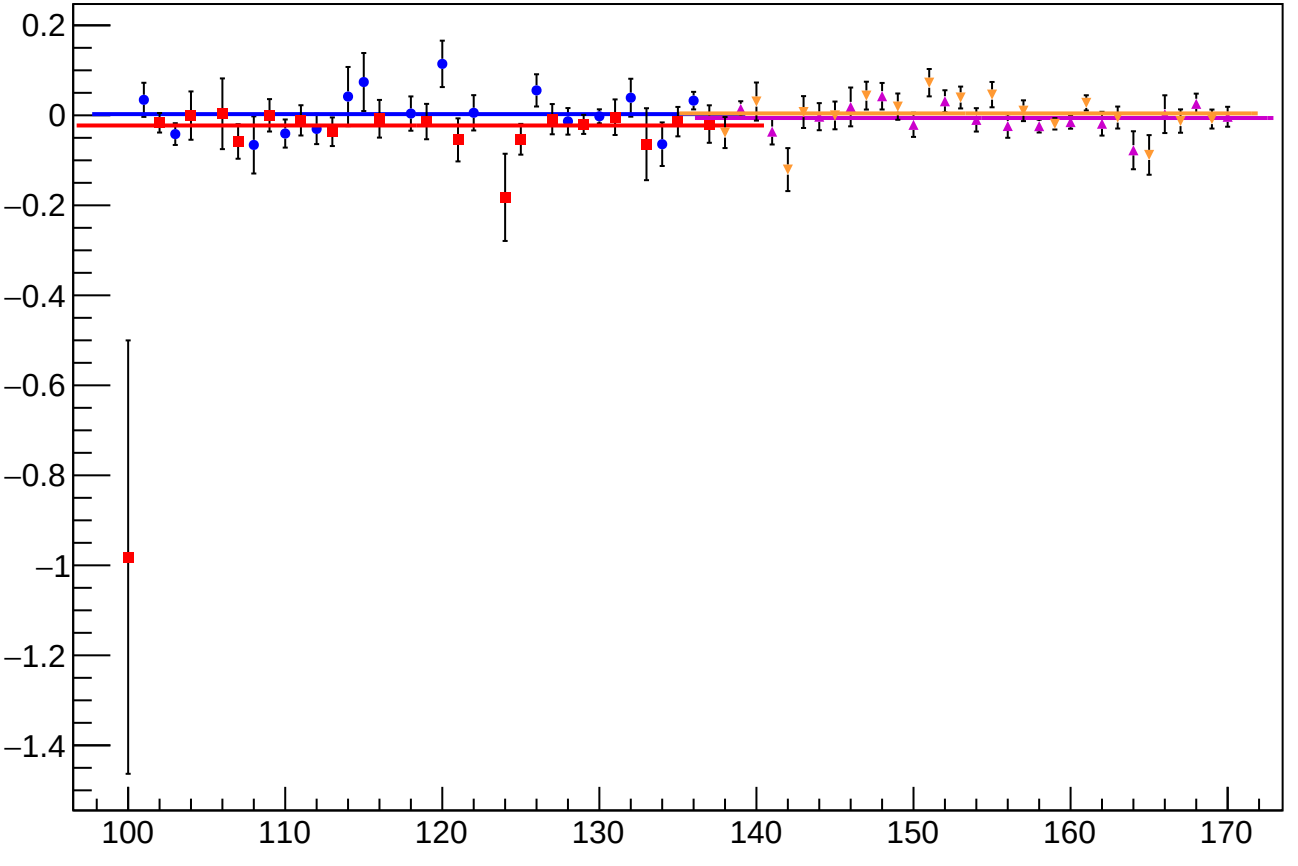
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.207+/-0.003 χ^2/NDF:3525933.6/31

Out: 20.364+/-0.003 χ^2/NDF:3813981.7/35

All: 19.756+/-0.002 χ^2/NDF: 7398298.5/67

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:30.7/16

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 47.9/32

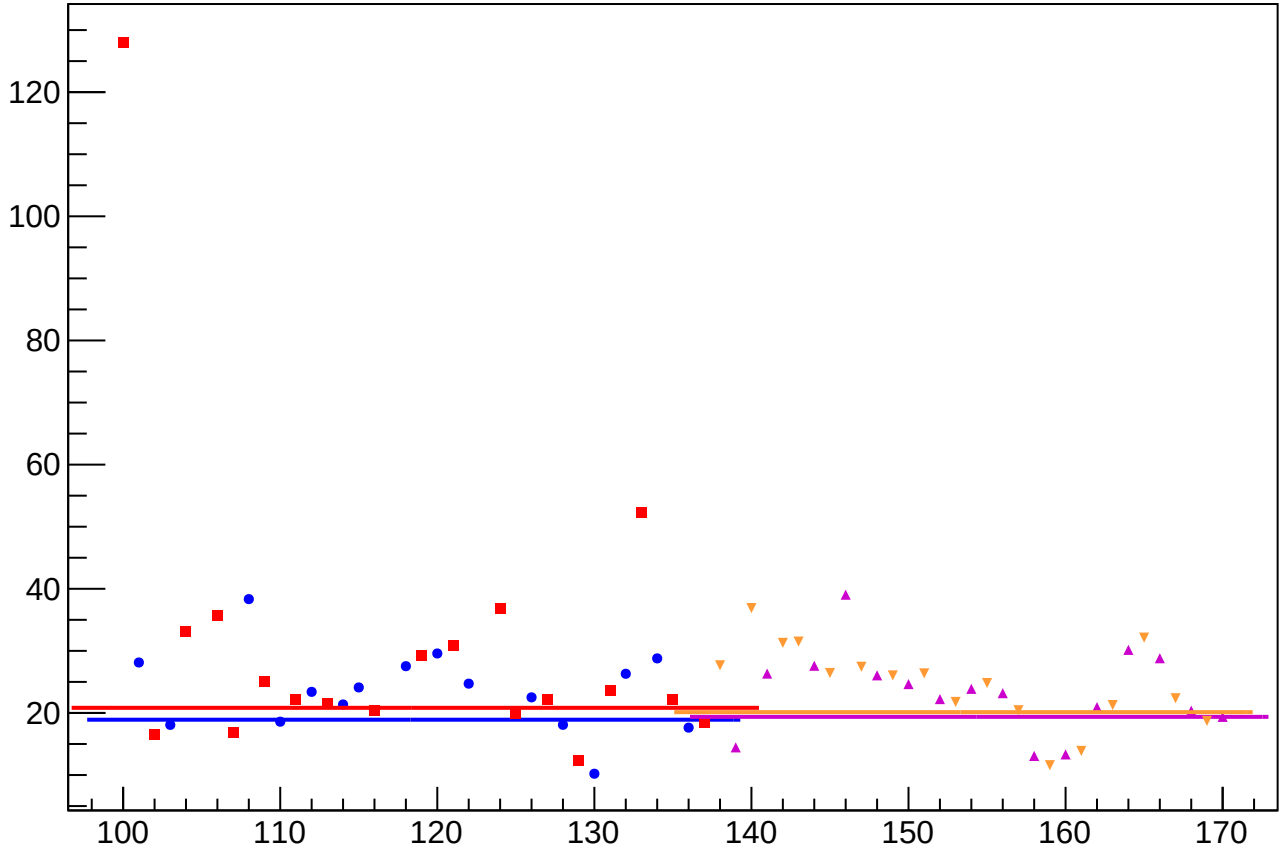
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.005+/-0.005 χ^2/NDF:48.1/35

All: -0.004+/-0.003 χ^2/NDF: 86.7/67

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: 20.129+/-0.004 χ^2/NDF:2513405.0/16

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/15

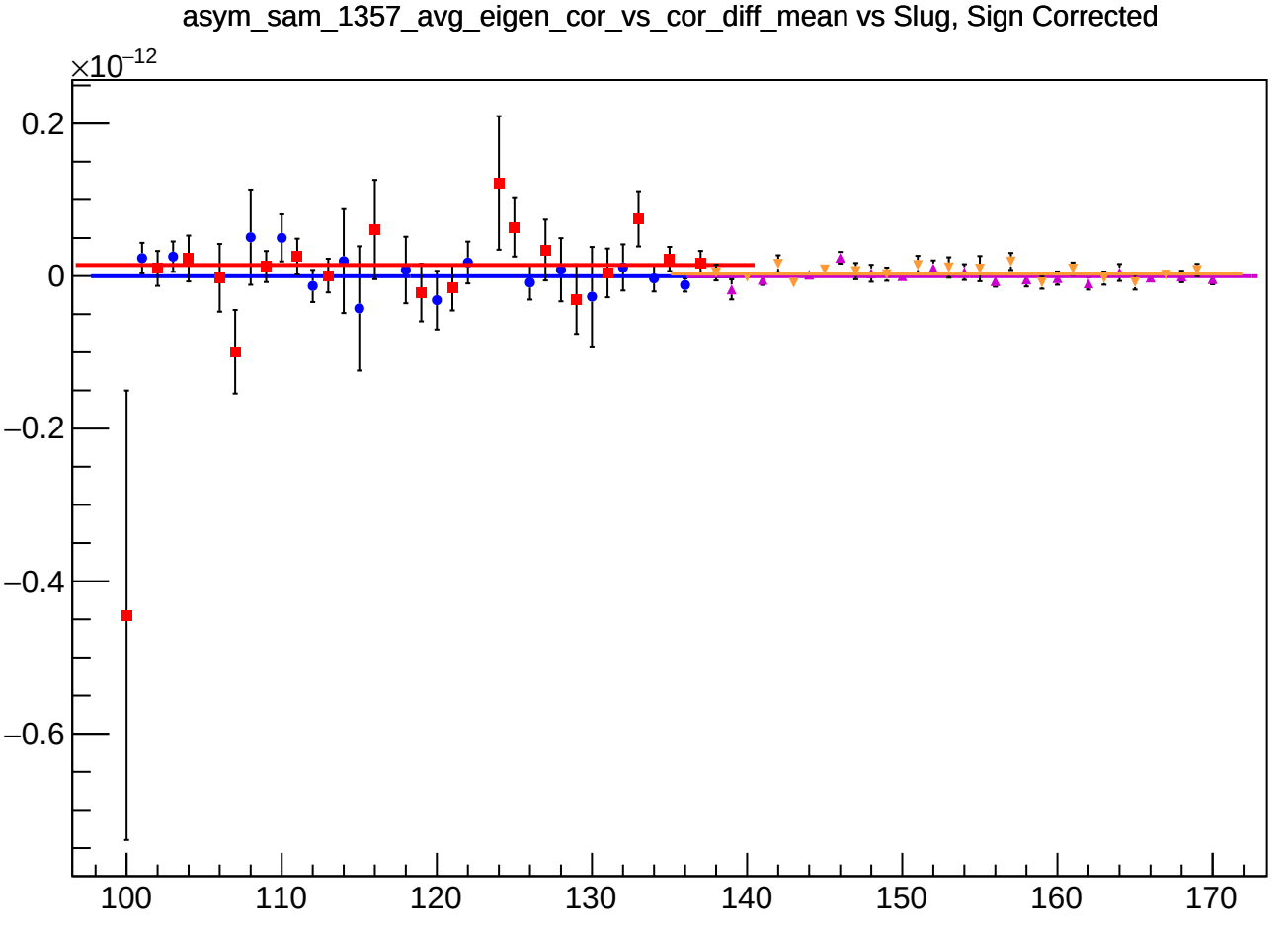
Left: 19.736+/-0.003 χ^2/NDF: 4660963.1/32

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.207+/-0.003 χ^2/NDF:3525933.6/31

Out: 20.364+/-0.003 χ^2/NDF:3813981.7/35

All: 19.756+/-0.002 χ^2/NDF: 7398298.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/15

Left: 0.000+/-0.000 χ^2/NDF: 33.3/32

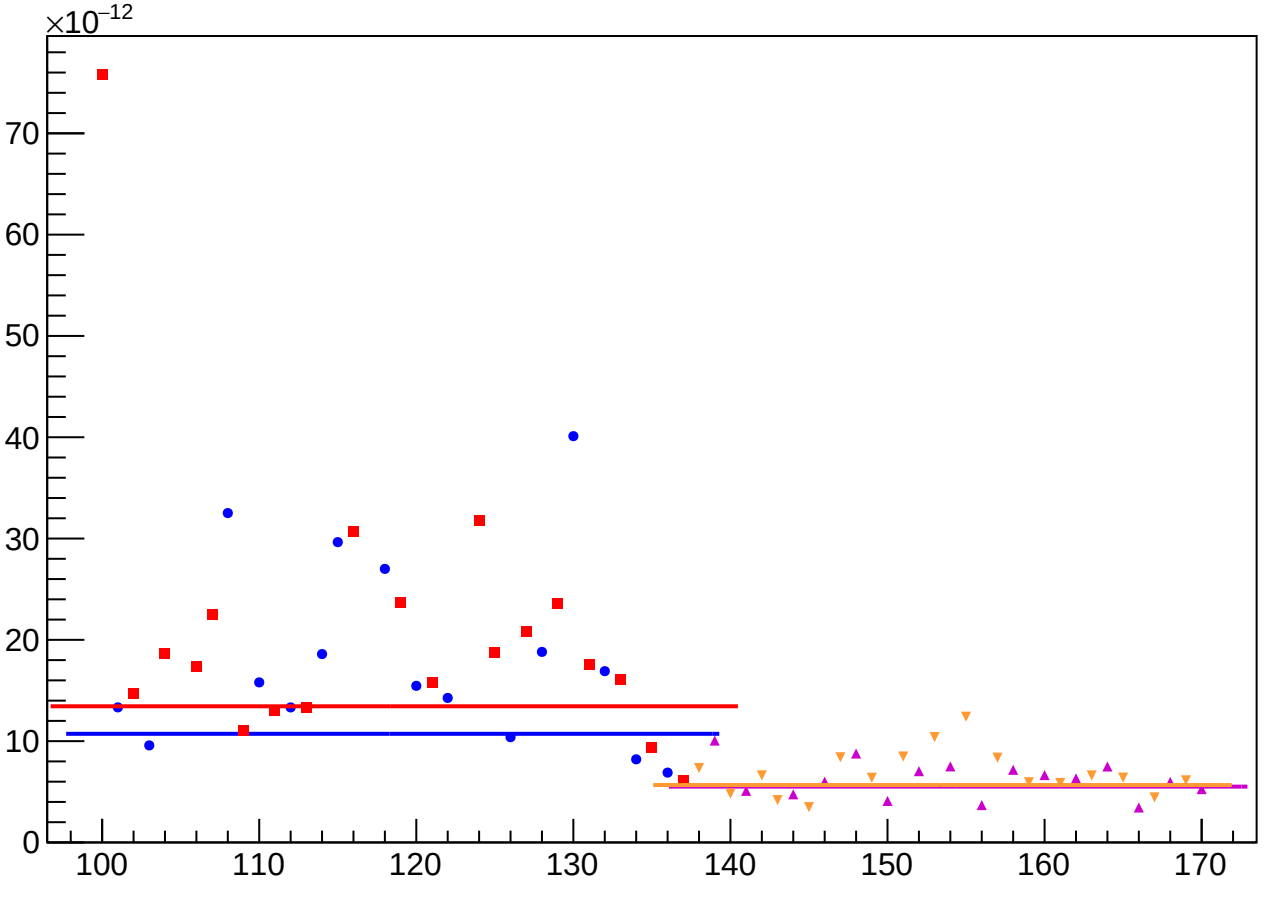
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.3/31

Out: 0.000+/-0.000 χ^2/NDF:35.5/35

All: 0.000+/-0.000 χ^2/NDF: 65.5/67

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:1681453.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1242468.6/15

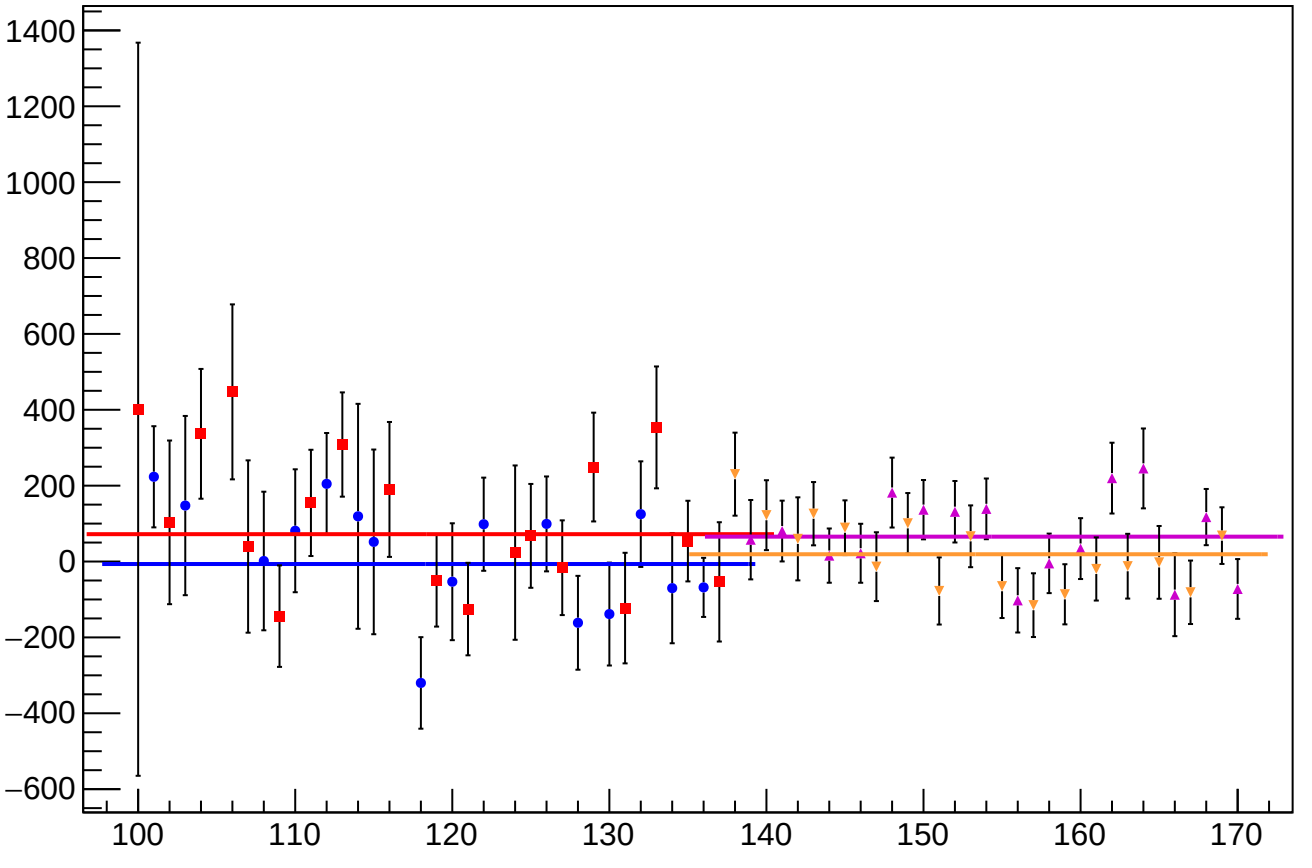
Left: 0.000+/-0.000 χ^2/NDF: 2930201.3/32

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

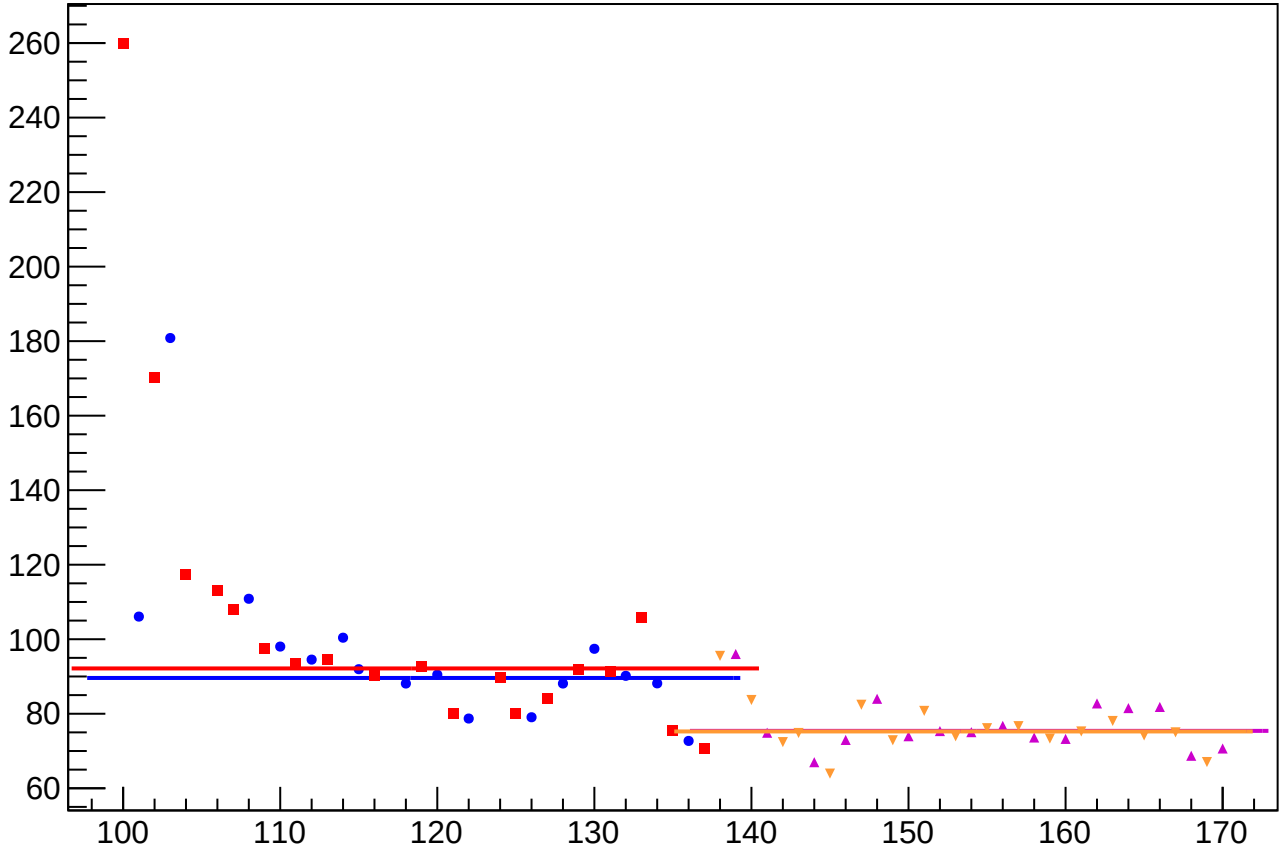
In: 0.000+/-0.000 χ^2/NDF:4620480.9/31

Out: 0.000+/-0.000 χ^2/NDF:5672927.7/35

All: 0.000+/-0.000 χ^2/NDF: 10310212.6/67


reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -6.559+/-34.286 χ²/NDF: 18.9/15
Left Out: 19.219+/-20.703 χ²/NDF:18.0/16
Right Out: 72.124+/-34.883 χ²/NDF: 22.8/18
Left In: 65.562+/-20.911 χ²/NDF:20.8/15
Left: 42.158+/-14.712 χ²/NDF: 41.3/32
Right: 32.104+/-24.452 χ²/NDF: 44.3/34
In: 46.008+/-17.853 χ²/NDF:42.9/31
Out: 33.000+/-17.803 χ²/NDF:42.5/35
All: 39.486+/-12.606 χ²/NDF: 85.7/67

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.251+/-0.015 χ^2/NDF:187281.4/16

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

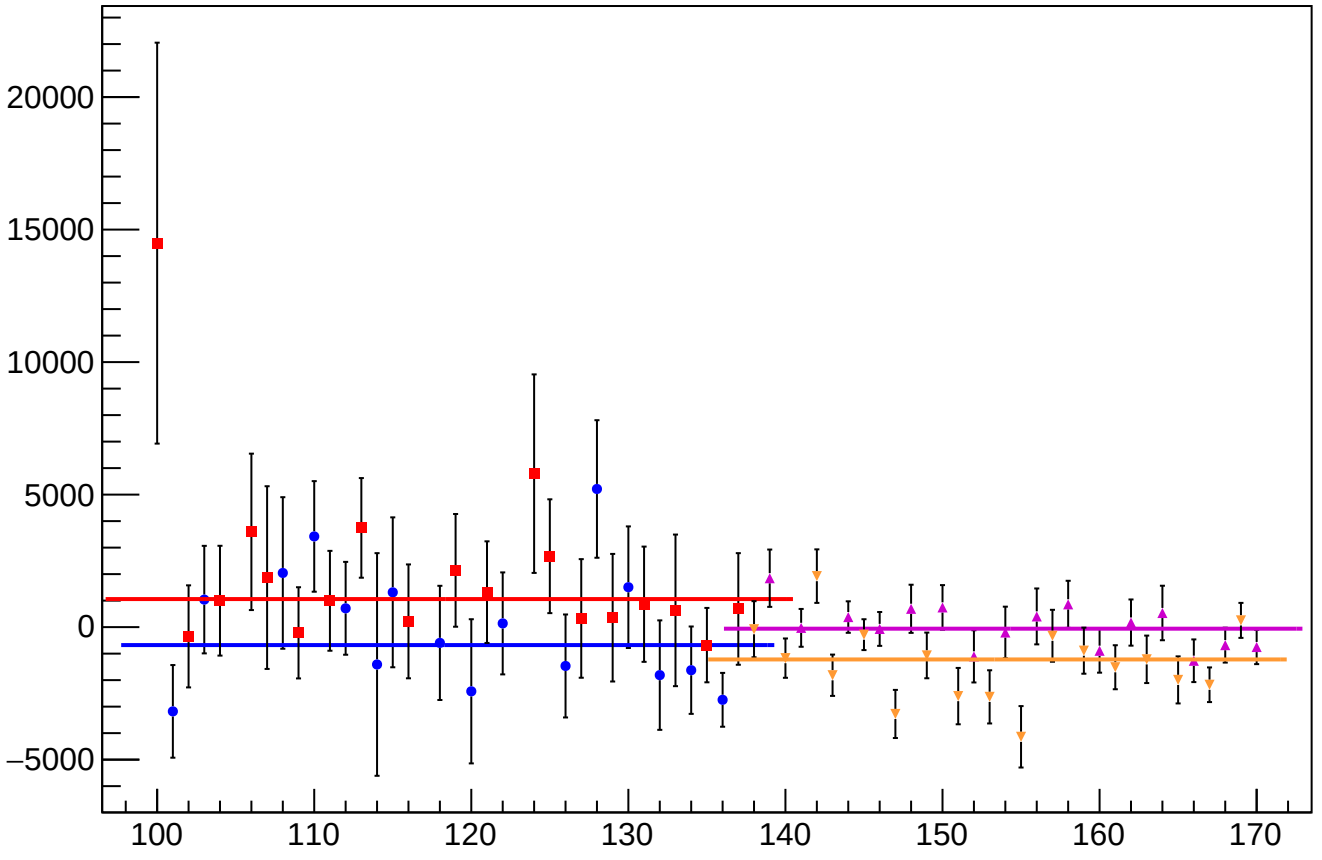
Left: 75.327+/-0.010 χ^2/NDF: 365524.3/32

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.254+/-0.013 χ^2/NDF:926593.0/31

Out: 79.656+/-0.013 χ^2/NDF:1076912.2/35

All: 79.456+/-0.009 χ^2/NDF: 2004013.3/67



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1219.563+/-202.298 χ^2/NDF:38.2/16

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: -58.931+/-200.205 χ^2/NDF:13.4/15

Left: -633.213+/-142.300 χ^2/NDF: 68.2/32

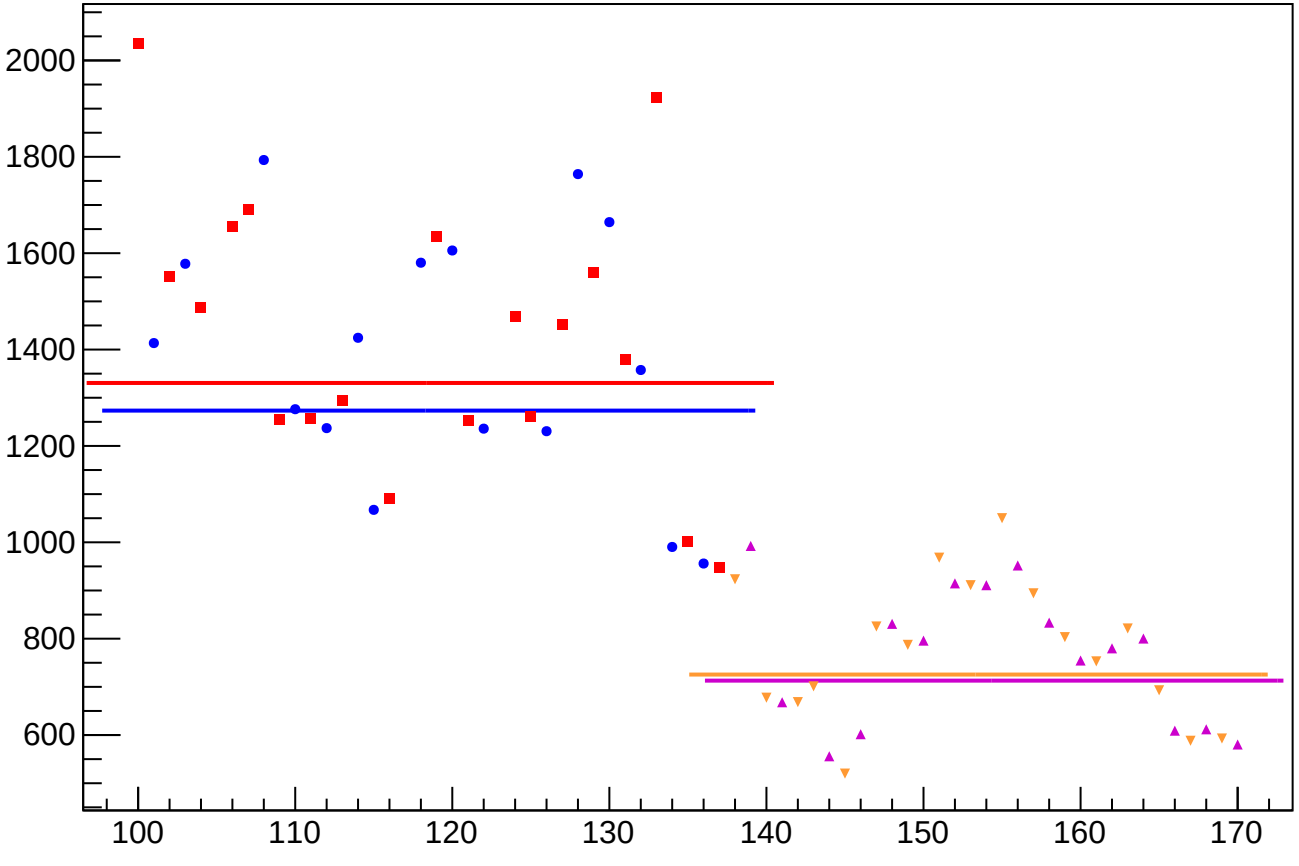
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -148.504+/-185.140 χ^2/NDF:35.0/31

Out: -895.014+/-187.336 χ^2/NDF:67.7/35

All: -517.358+/-131.683 χ^2/NDF: 110.7/67

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 725.546+/-0.143 χ^2/NDF:971765.3/16

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 712.938+/-0.142 χ^2/NDF:896861.5/15

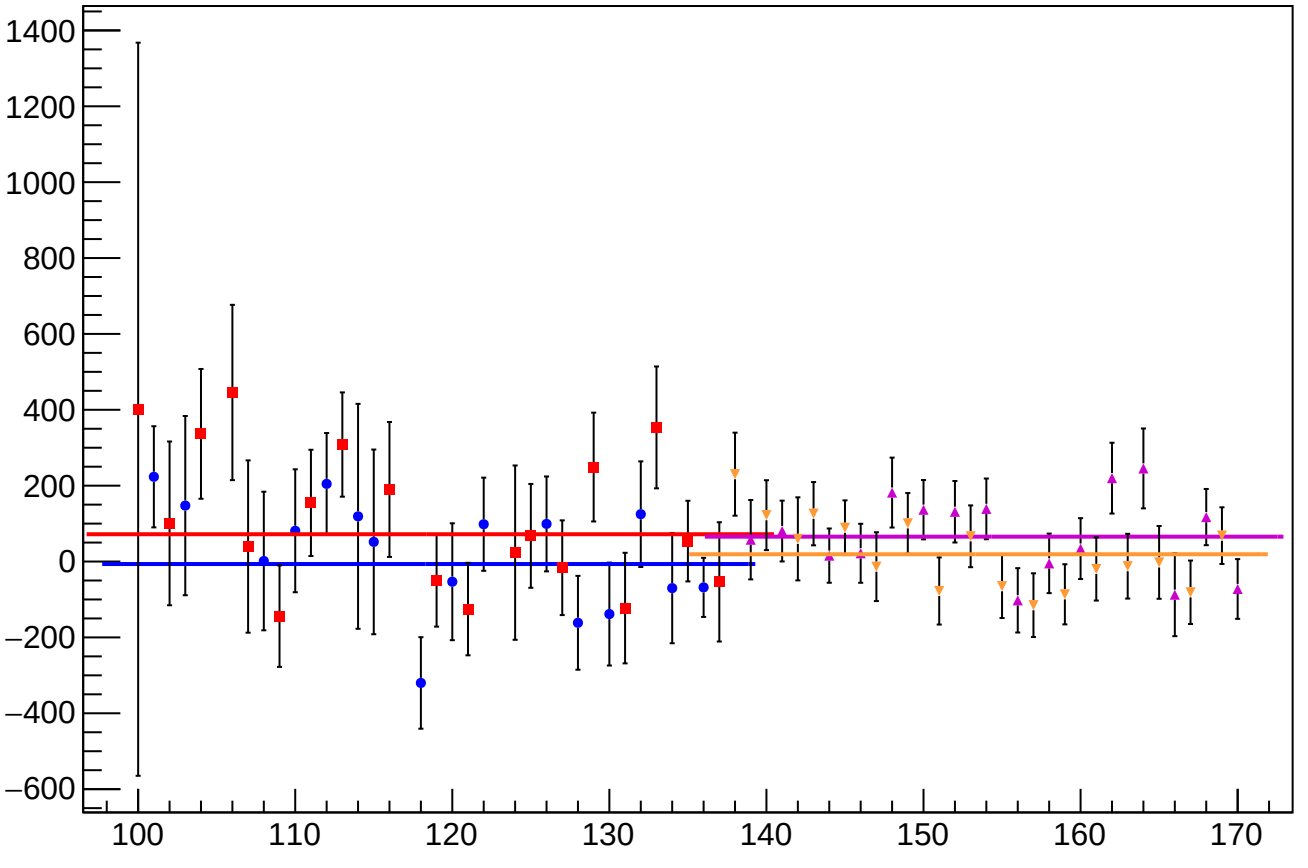
Left: 719.176+/-0.101 χ^2/NDF: 1872551.7/32

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

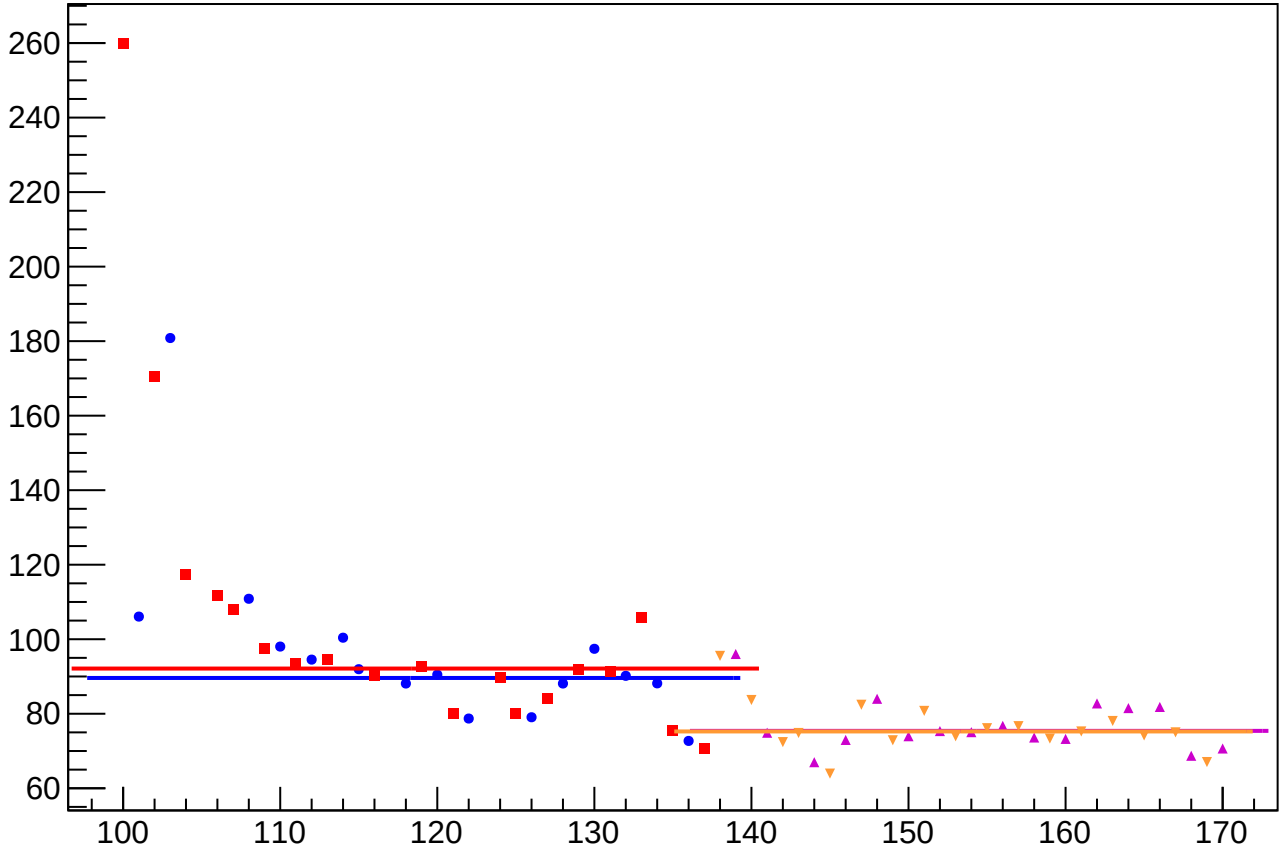
In: 794.101+/-0.131 χ^2/NDF:3763859.9/31

Out: 811.748+/-0.132 χ^2/NDF:3991765.4/35

All: 802.821+/-0.093 χ^2/NDF: 7764604.1/67


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 19.223+/-20.703 χ²/NDF:18.0/16
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 65.560+/-20.911 χ²/NDF:20.8/15
Left: 42.159+/-14.712 χ²/NDF: 41.3/32
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 46.004+/-17.853 χ²/NDF:42.9/31
Out: 32.964+/-17.804 χ²/NDF:42.5/35
All: 39.466+/-12.606 χ²/NDF: 85.7/67

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.251+/-0.015 χ^2/NDF:187281.4/16

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

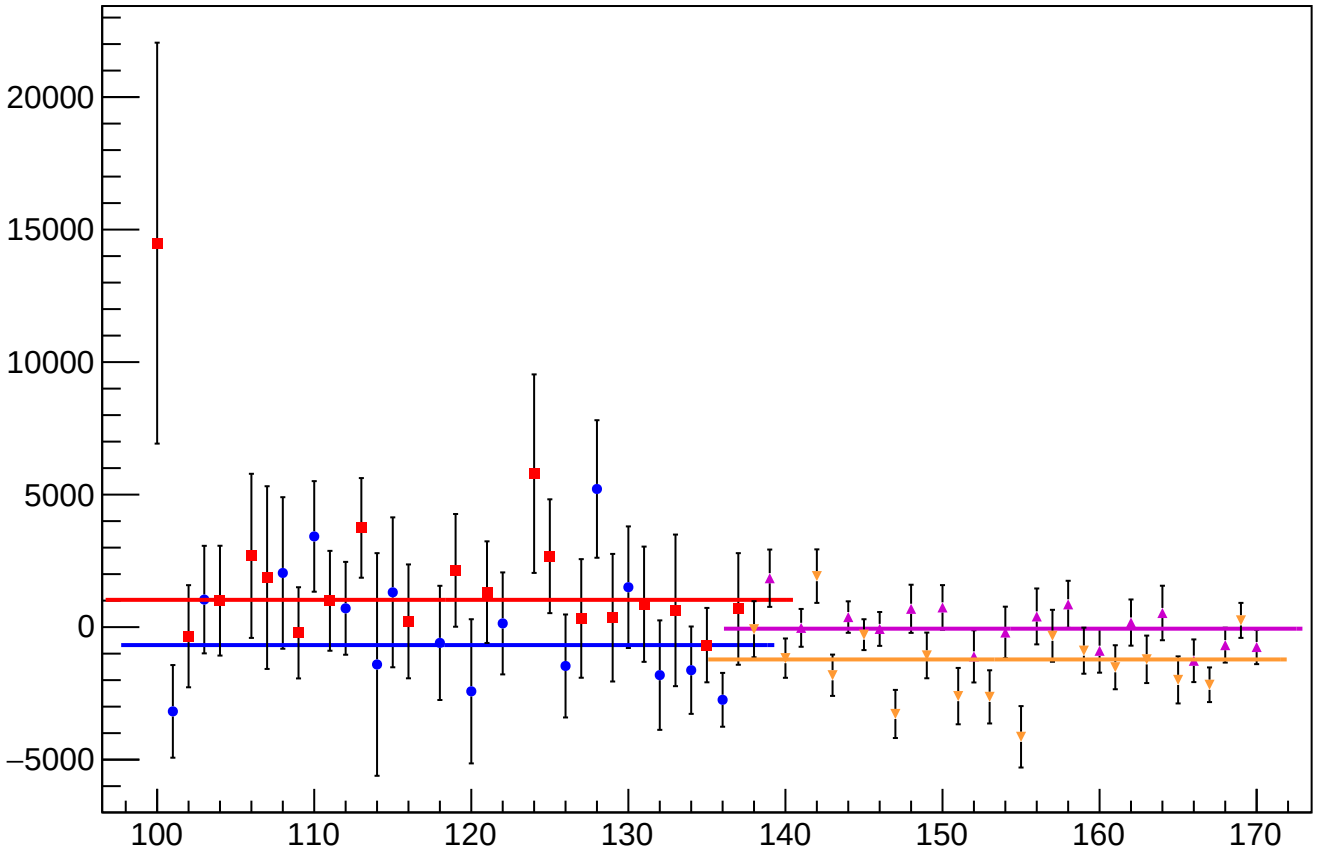
Left: 75.327+/-0.010 χ^2/NDF: 365524.3/32

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.254+/-0.013 χ^2/NDF:926596.5/31

Out: 79.647+/-0.013 χ^2/NDF:1073812.4/35

All: 79.451+/-0.009 χ^2/NDF: 2000895.4/67



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1219.556+/-202.298 χ^2/NDF:38.2/16

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -58.929+/-200.205 χ^2/NDF:13.4/15

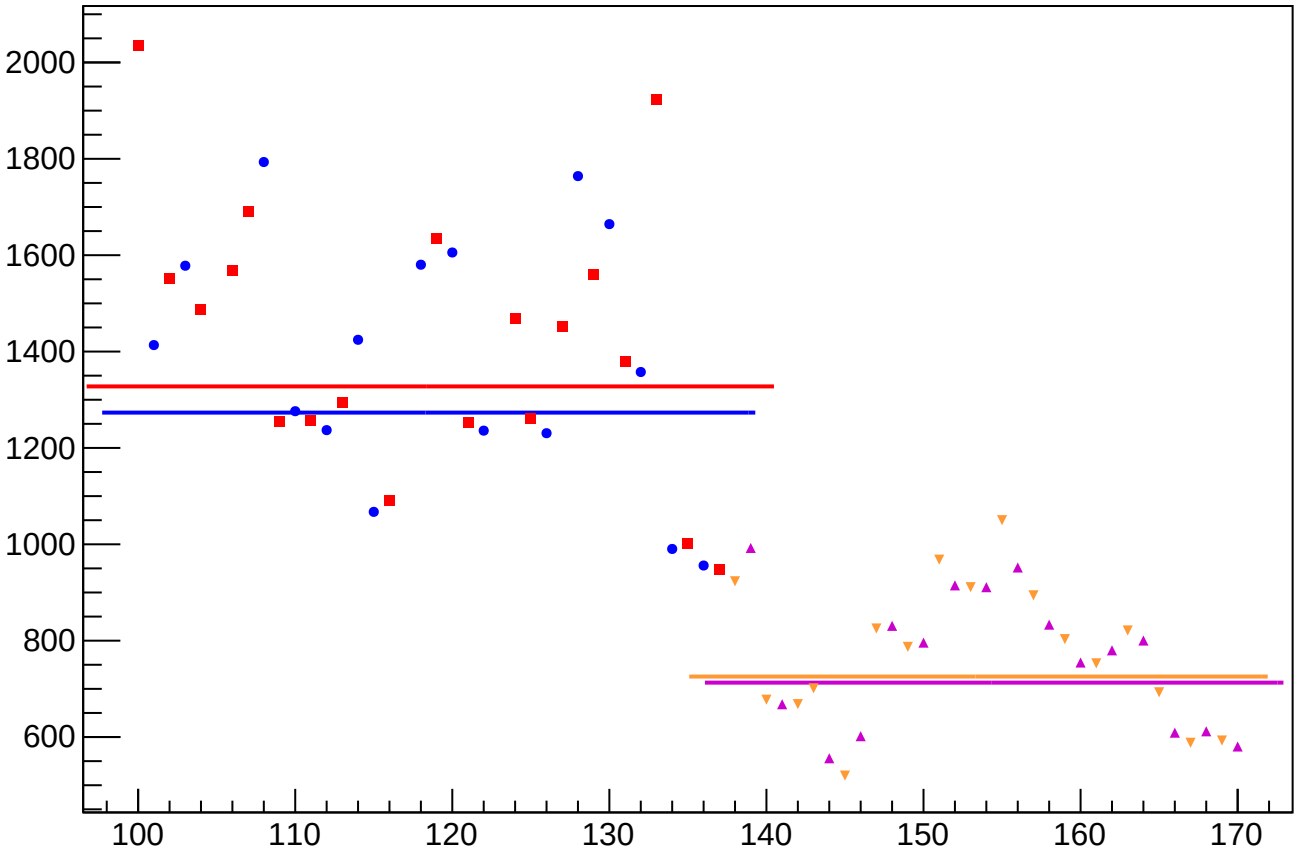
Left: -633.208+/-142.300 χ^2/NDF: 68.2/32

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -148.496+/-185.140 χ^2/NDF:35.0/31

Out: -899.928+/-187.372 χ^2/NDF:66.7/35

All: -519.711+/-131.696 χ^2/NDF: 109.9/67



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 725.546+/-0.143 χ^2/NDF:971768.1/16

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

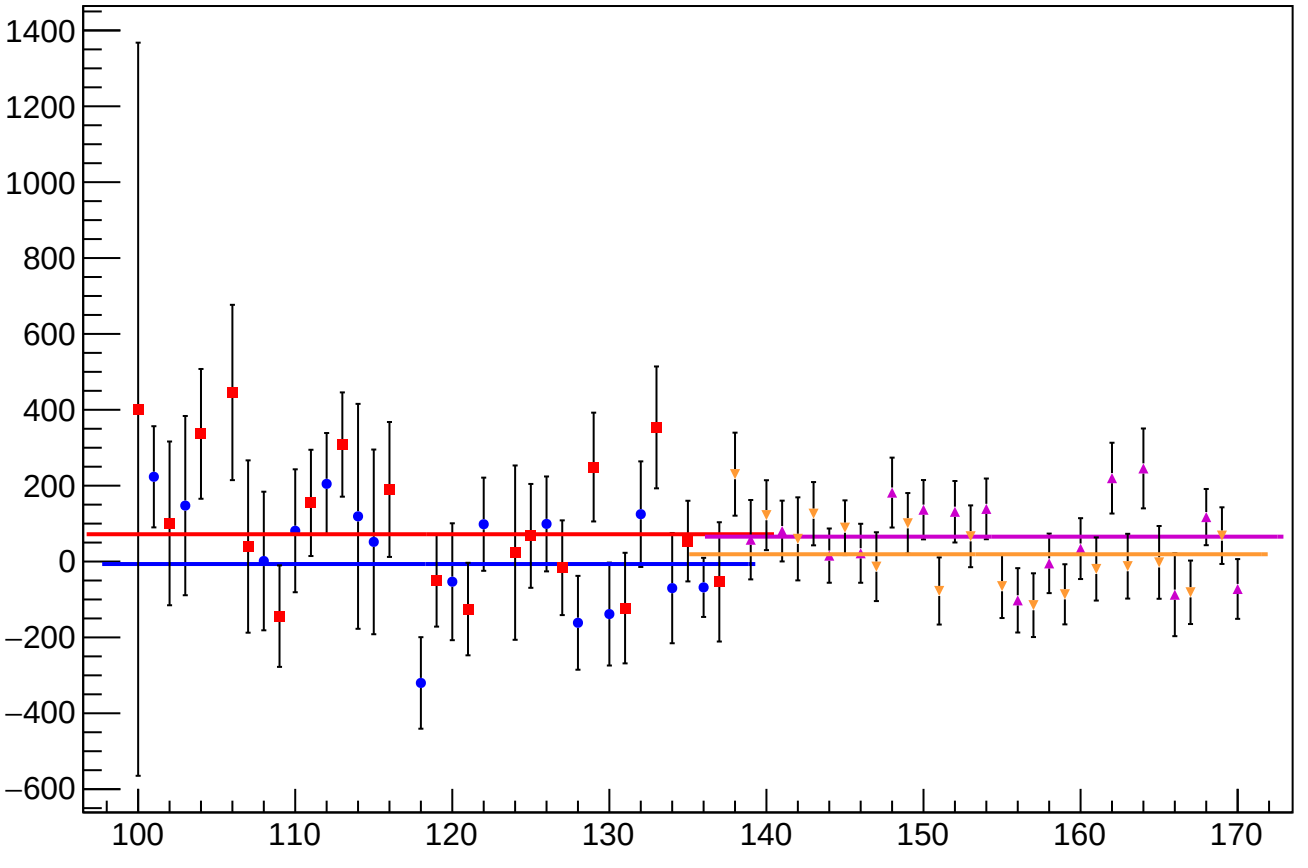
Left: 719.176+/-0.101 χ^2/NDF: 1872551.6/32

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 794.101+/-0.131 χ^2/NDF:3763895.1/31

Out: 811.120+/-0.132 χ^2/NDF:3948333.5/35

All: 802.509+/-0.093 χ^2/NDF: 7720577.8/67



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 19.223+/-20.703 χ^2/NDF:18.0/16

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 65.560+/-20.911 χ^2/NDF:20.8/15

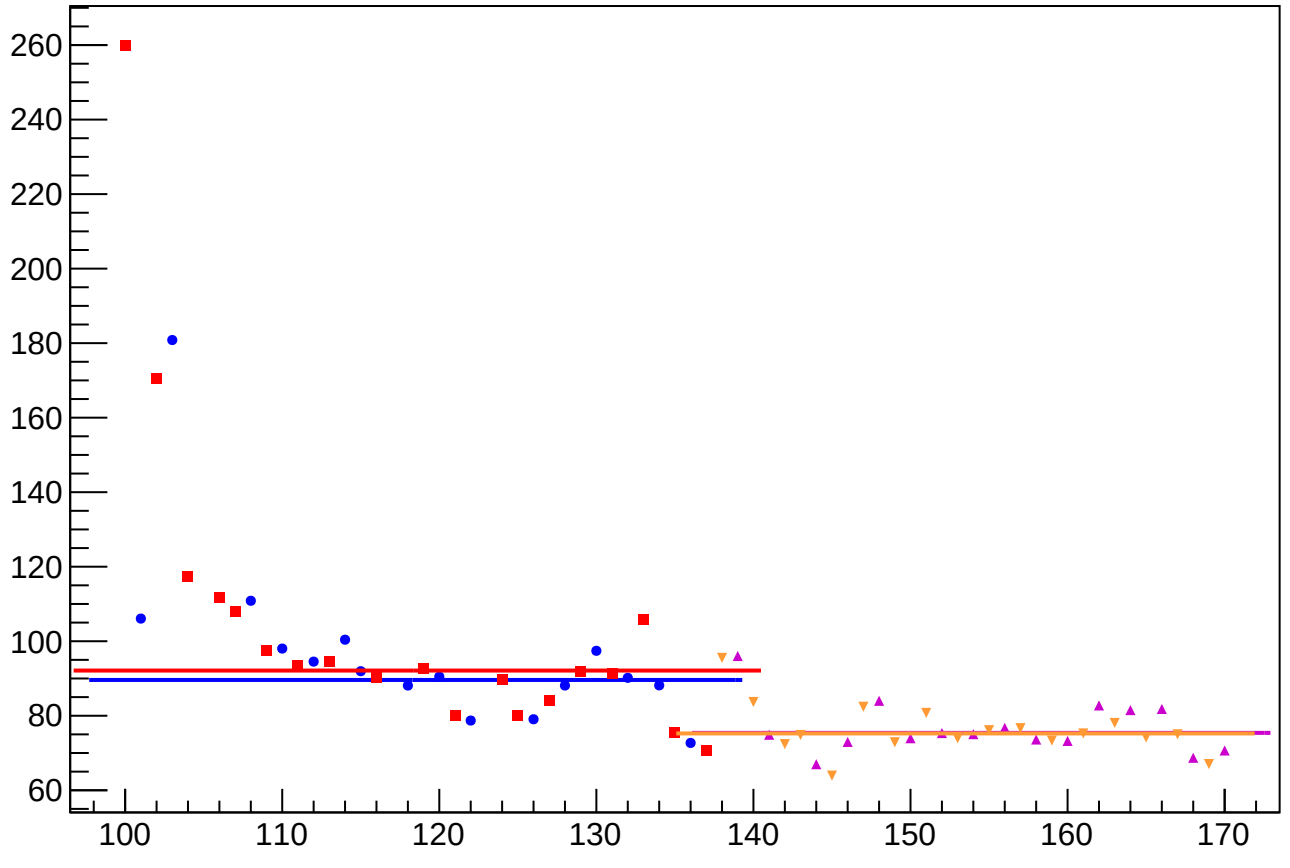
Left: 42.159+/-14.712 χ^2/NDF: 41.3/32

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 46.004+/-17.853 χ^2/NDF:42.9/31

Out: 32.964+/-17.804 χ^2/NDF:42.5/35

All: 39.466+/-12.606 χ^2/NDF: 85.7/67



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.251+/-0.015 χ^2/NDF:187281.4/16

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

Left: 75.327+/-0.010 χ^2/NDF: 365524.3/32

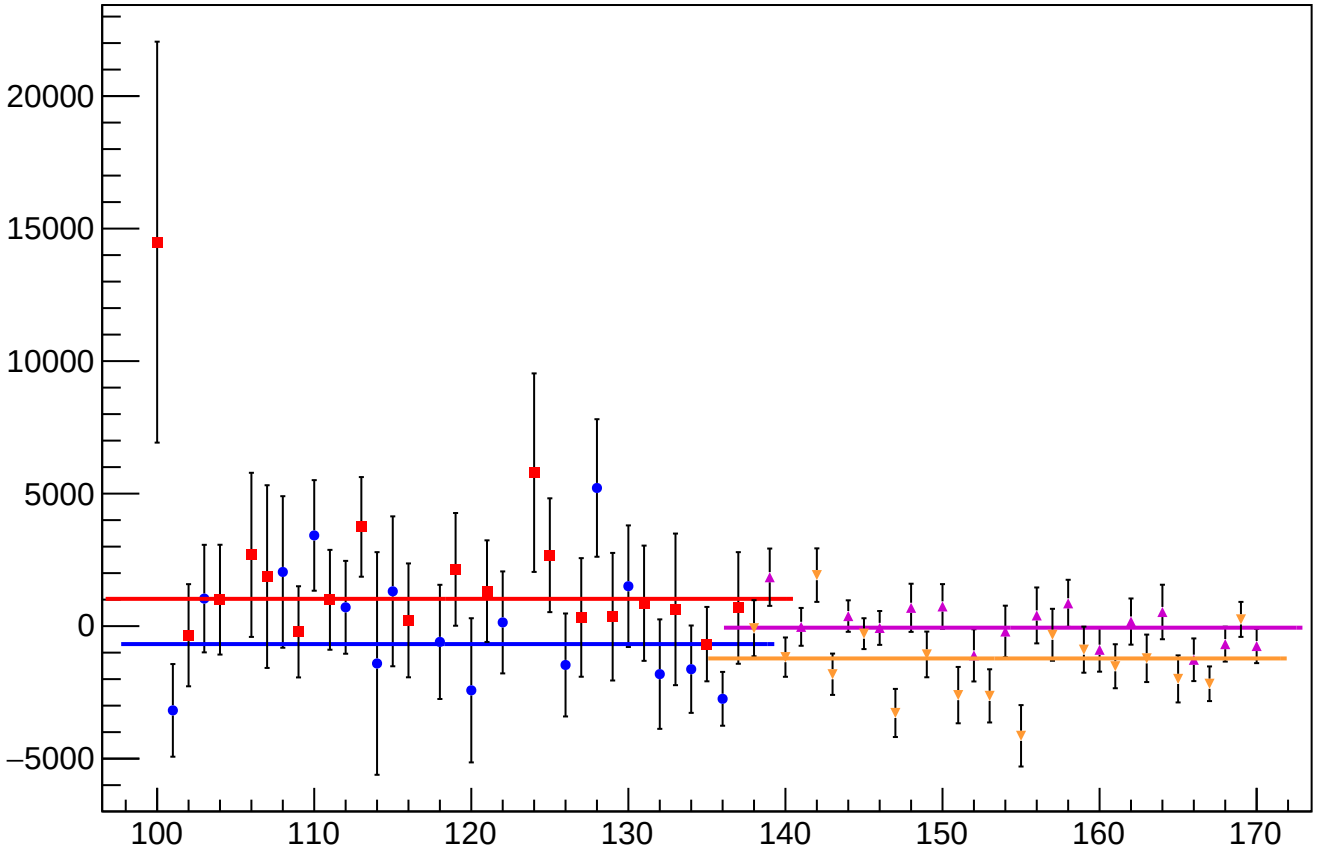
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.254+/-0.013 χ^2/NDF:926596.5/31

Out: 79.647+/-0.013 χ^2/NDF:1073812.4/35

All: 79.451+/-0.009 χ^2/NDF: 2000895.4/67

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: -1219.556+/-202.298 χ^2/NDF:38.2/16

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -58.929+/-200.205 χ^2/NDF:13.4/15

Left: -633.208+/-142.300 χ^2/NDF: 68.2/32

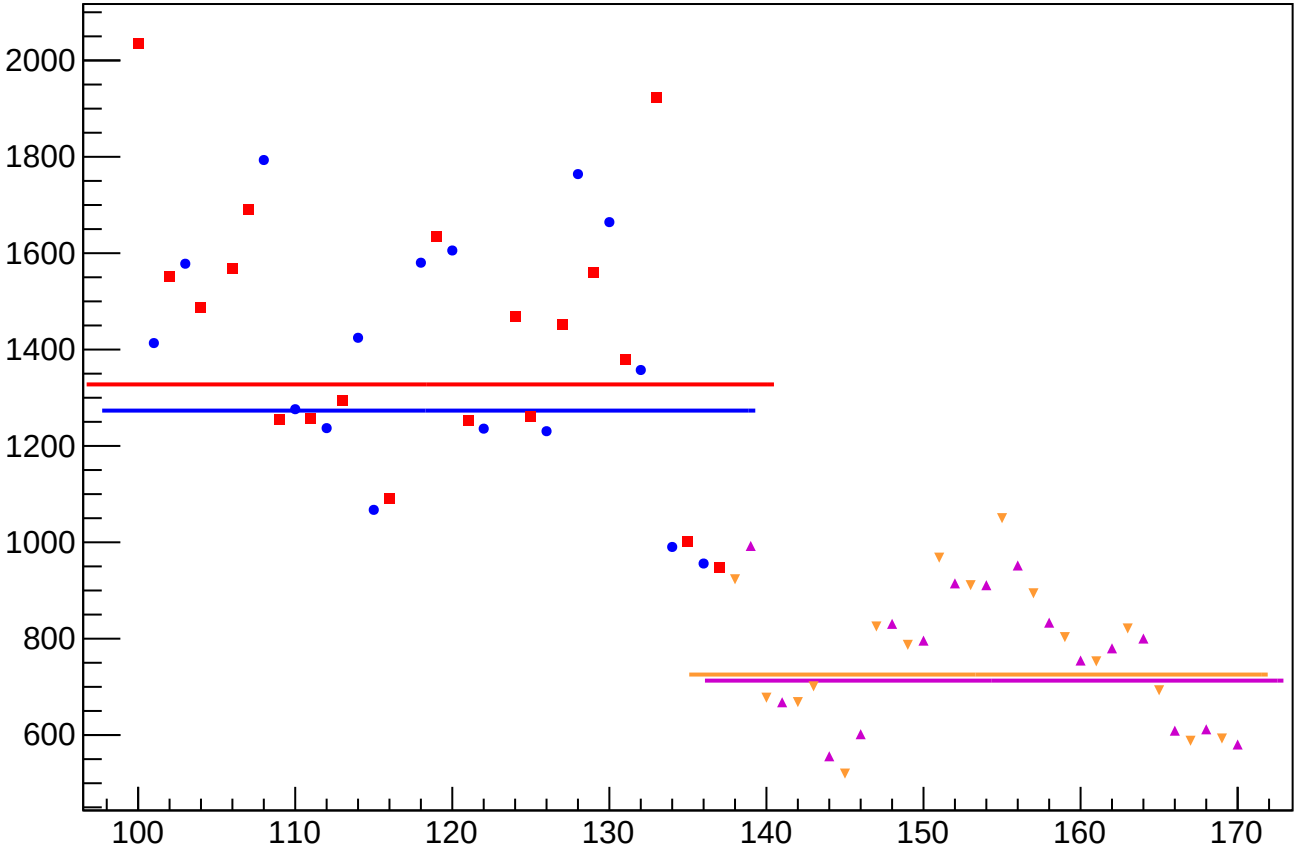
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -148.496+/-185.140 χ^2/NDF:35.0/31

Out: -899.928+/-187.372 χ^2/NDF:66.7/35

All: -519.711+/-131.696 χ^2/NDF: 109.9/67

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: 725.546+/-0.143 χ^2/NDF:971768.1/16

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

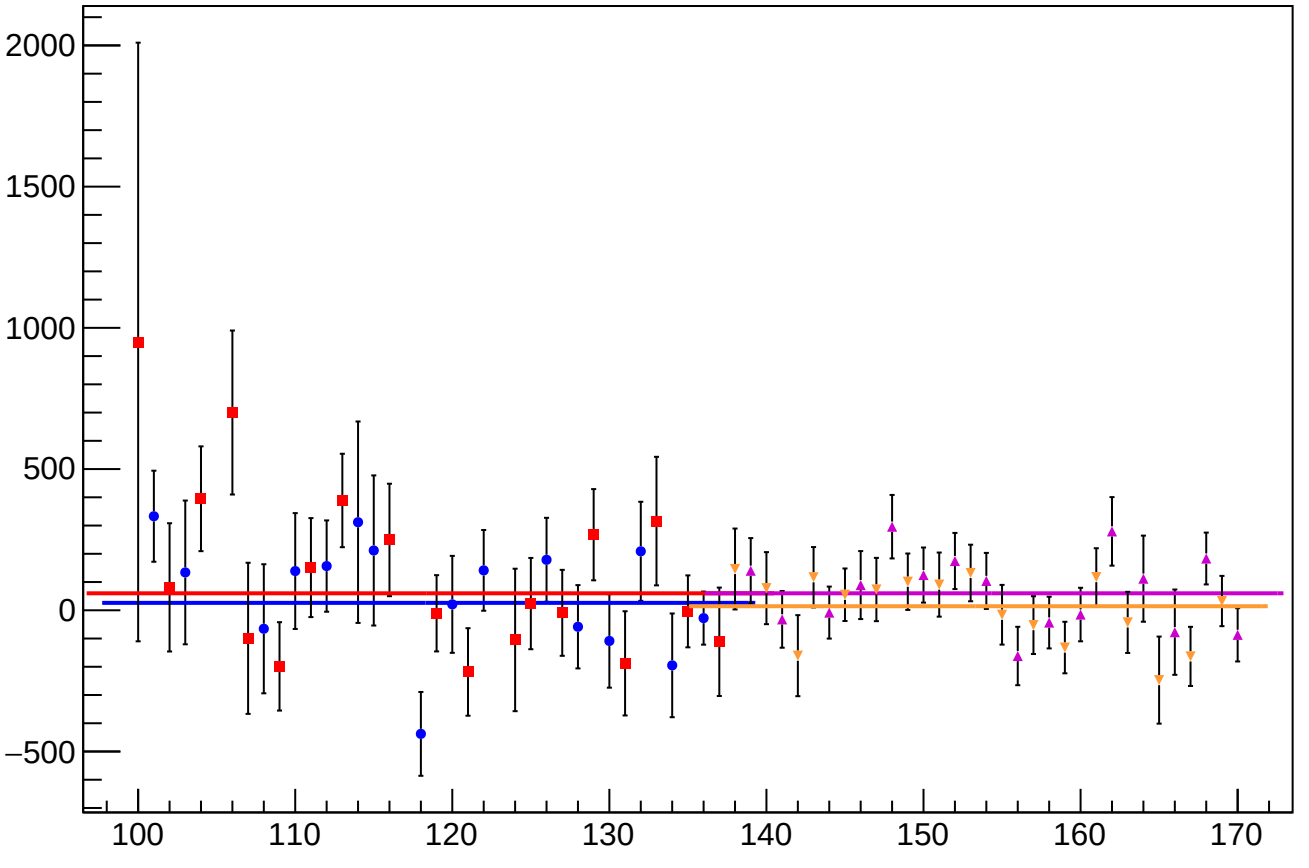
Left: 719.176+/-0.101 χ^2/NDF: 1872551.6/32

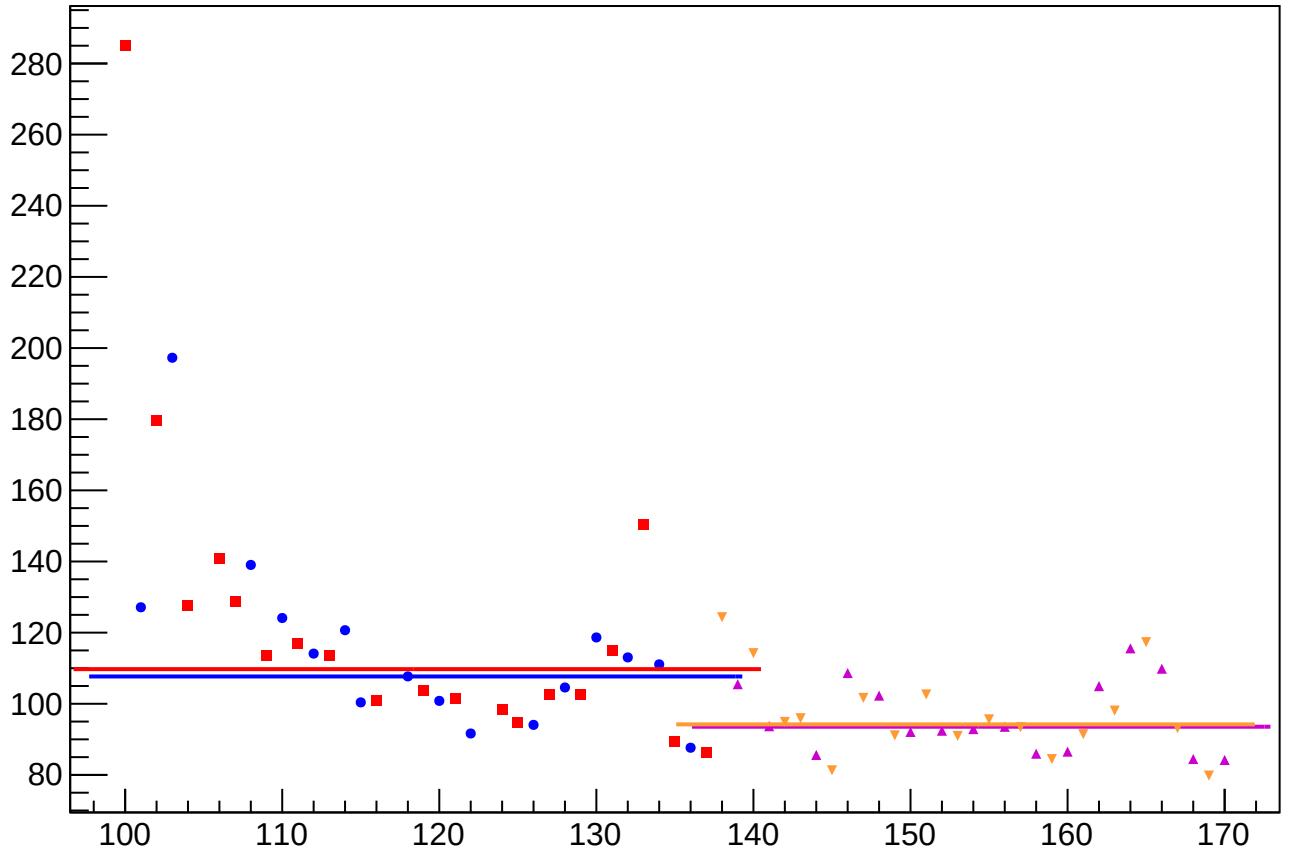
Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 794.101+/-0.131 χ^2/NDF:3763895.1/31

Out: 811.120+/-0.132 χ^2/NDF:3948333.5/35

All: 802.509+/-0.093 χ^2/NDF: 7720577.8/67


dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: 26.251+/-41.220 χ²/NDF: 21.4/15
Left Out: 14.369+/-26.126 χ²/NDF:16.8/16
Right Out: 60.119+/-41.528 χ²/NDF: 27.0/18
Left In: 60.105+/-26.188 χ²/NDF:23.3/15
Left: 37.183+/-18.496 χ²/NDF: 41.5/32
Right: 43.059+/-29.255 χ²/NDF: 48.7/34
In: 50.370+/-22.104 χ²/NDF:45.1/31
Out: 27.342+/-22.114 χ²/NDF:44.6/35
All: 38.861+/-15.633 χ²/NDF: 90.3/67



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.209+/-0.018 χ^2/NDF:325565.3/16

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.552+/-0.019 χ^2/NDF:227187.6/15

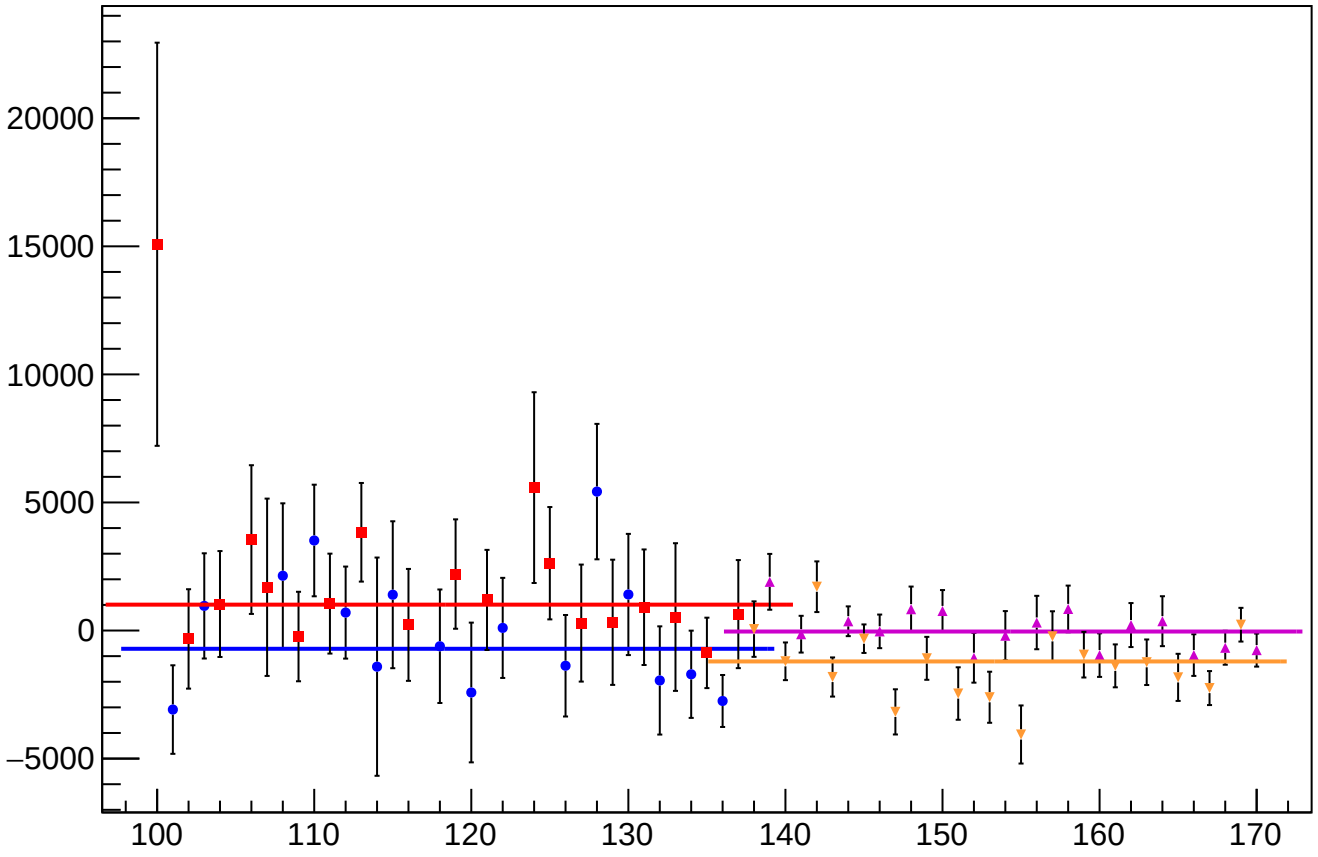
Left: 93.881+/-0.013 χ^2/NDF: 553384.2/32

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 97.615+/-0.016 χ^2/NDF:877696.1/31

Out: 98.613+/-0.016 χ^2/NDF:1017742.3/35

All: 98.114+/-0.011 χ^2/NDF: 1897477.2/67



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1206.742+/-200.537 χ^2/NDF:36.8/16

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: -38.965+/-199.562 χ^2/NDF:12.7/15

Left: -620.008+/-141.455 χ^2/NDF: 66.6/32

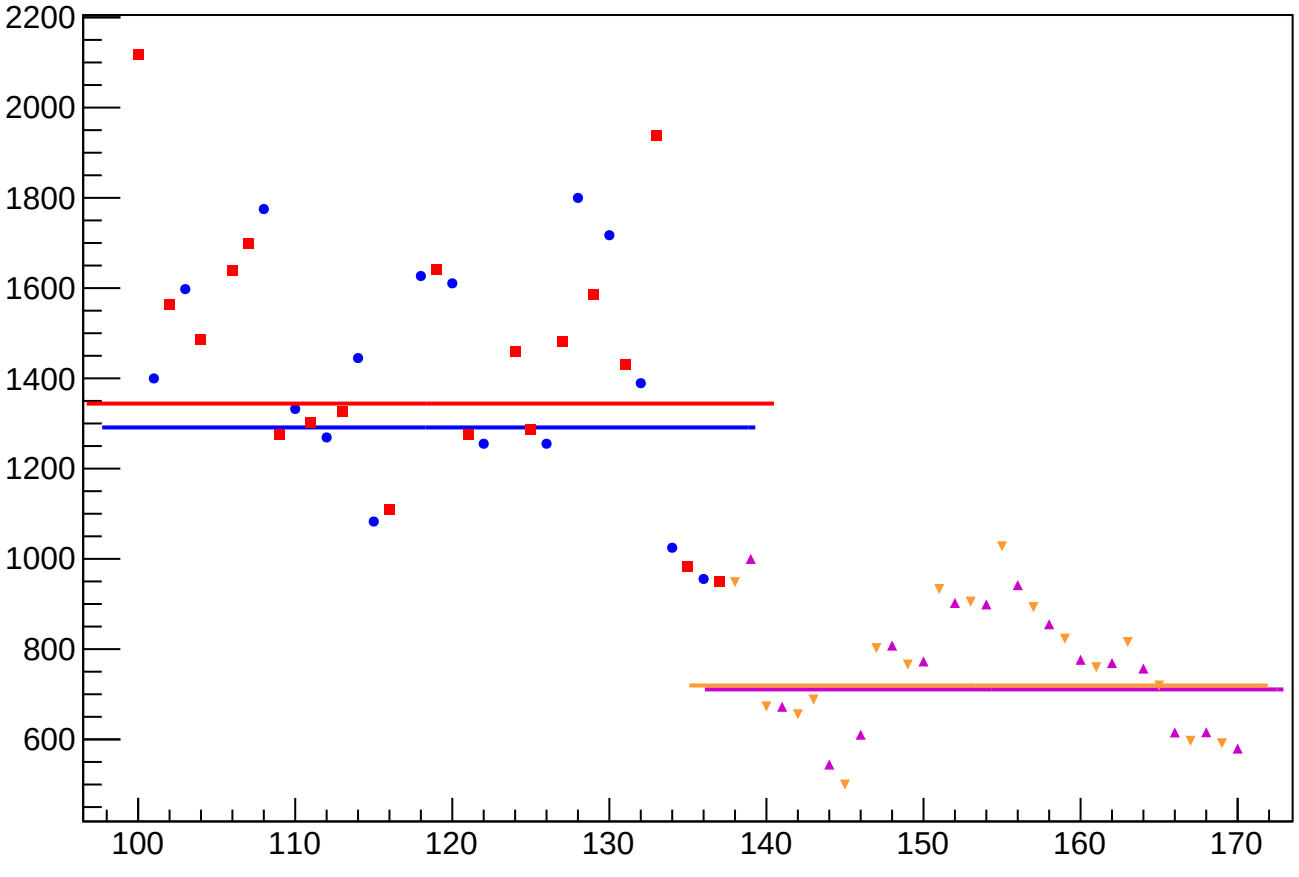
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -133.760+/-184.995 χ^2/NDF:34.4/31

Out: -900.941+/-186.195 χ^2/NDF:65.4/35

All: -514.869+/-131.233 χ^2/NDF: 108.4/67

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: 719.469+/-0.142 χ^2/NDF:1010671.9/16

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 710.683+/-0.141 χ^2/NDF:873446.8/15

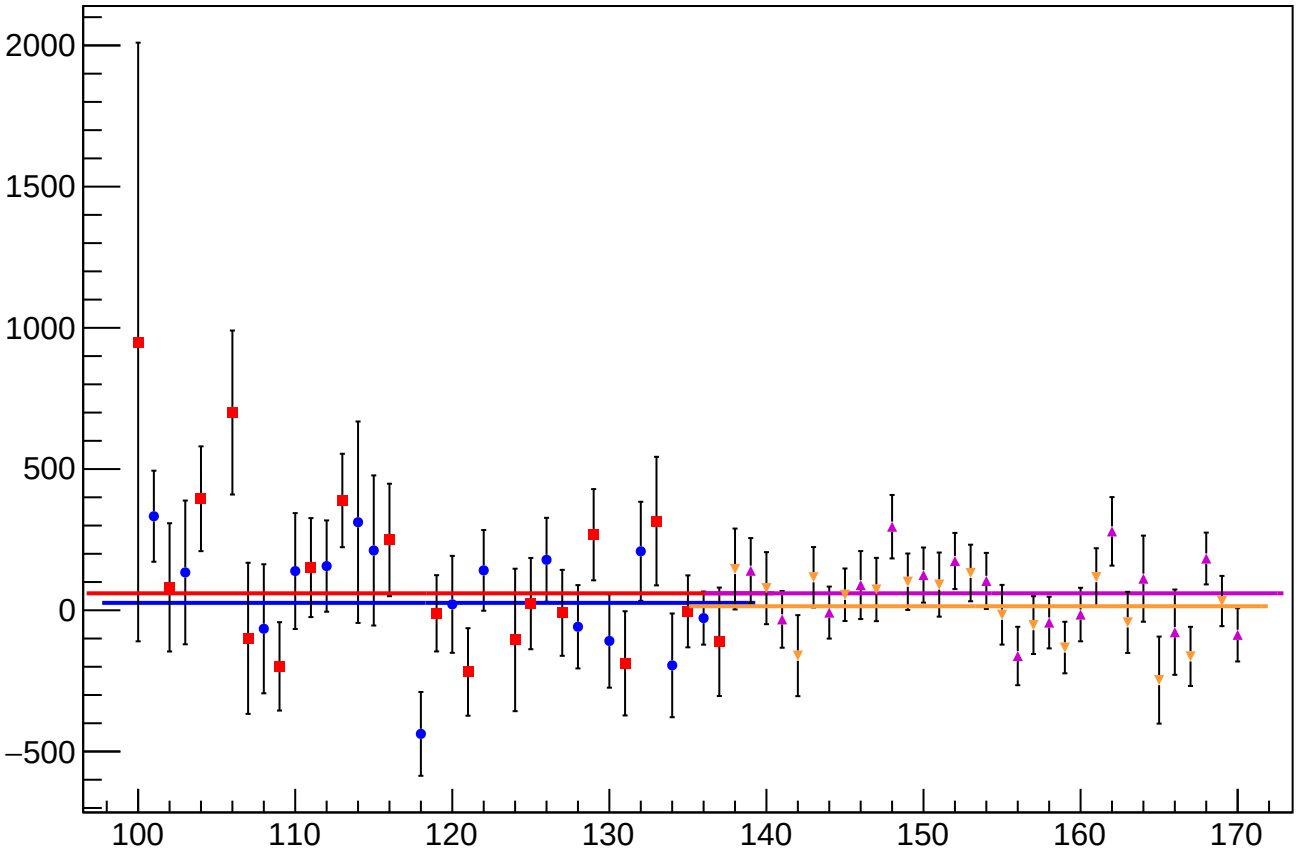
Left: 715.055+/-0.100 χ^2/NDF: 1886047.6/32

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 792.343+/-0.131 χ^2/NDF:3865120.6/31

Out: 805.618+/-0.132 χ^2/NDF:4177894.8/35

All: 798.938+/-0.093 χ^2/NDF: 8048131.2/67


eigen_dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
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130
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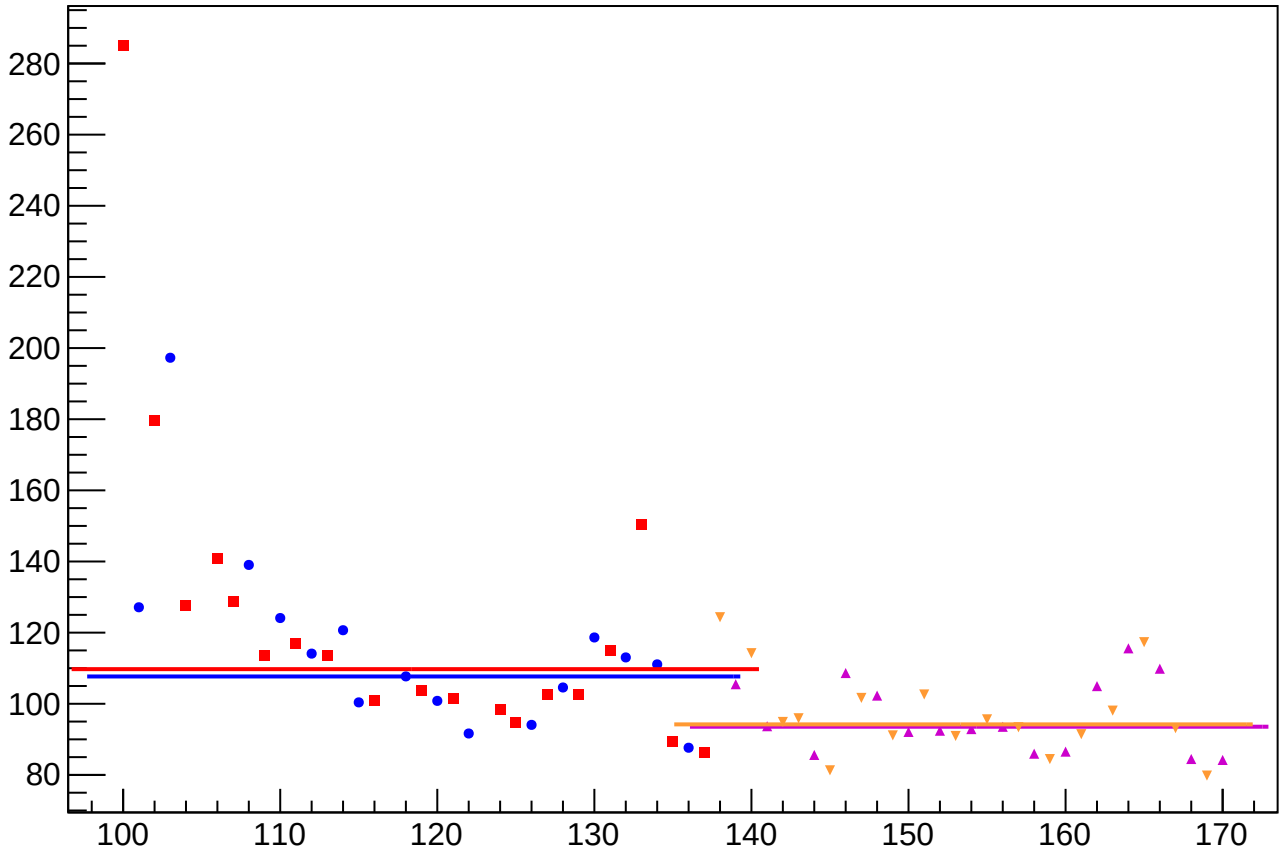
150
160
170
Right In: 26.252+/-41.219 χ²/NDF: 21.4/15
Left Out: 14.370+/-26.126 χ²/NDF:16.8/16
Right Out: 60.117+/-41.528 χ²/NDF: 27.0/18
Left In: 60.104+/-26.188 χ²/NDF:23.3/15
Left: 37.183+/-18.496 χ²/NDF: 41.5/32
Right: 43.058+/-29.255 χ²/NDF: 48.7/34
In: 50.369+/-22.104 χ²/NDF:45.1/31
Out: 27.342+/-22.114 χ²/NDF:44.6/35
All: 38.861+/-15.633 χ²/NDF: 90.3/67


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
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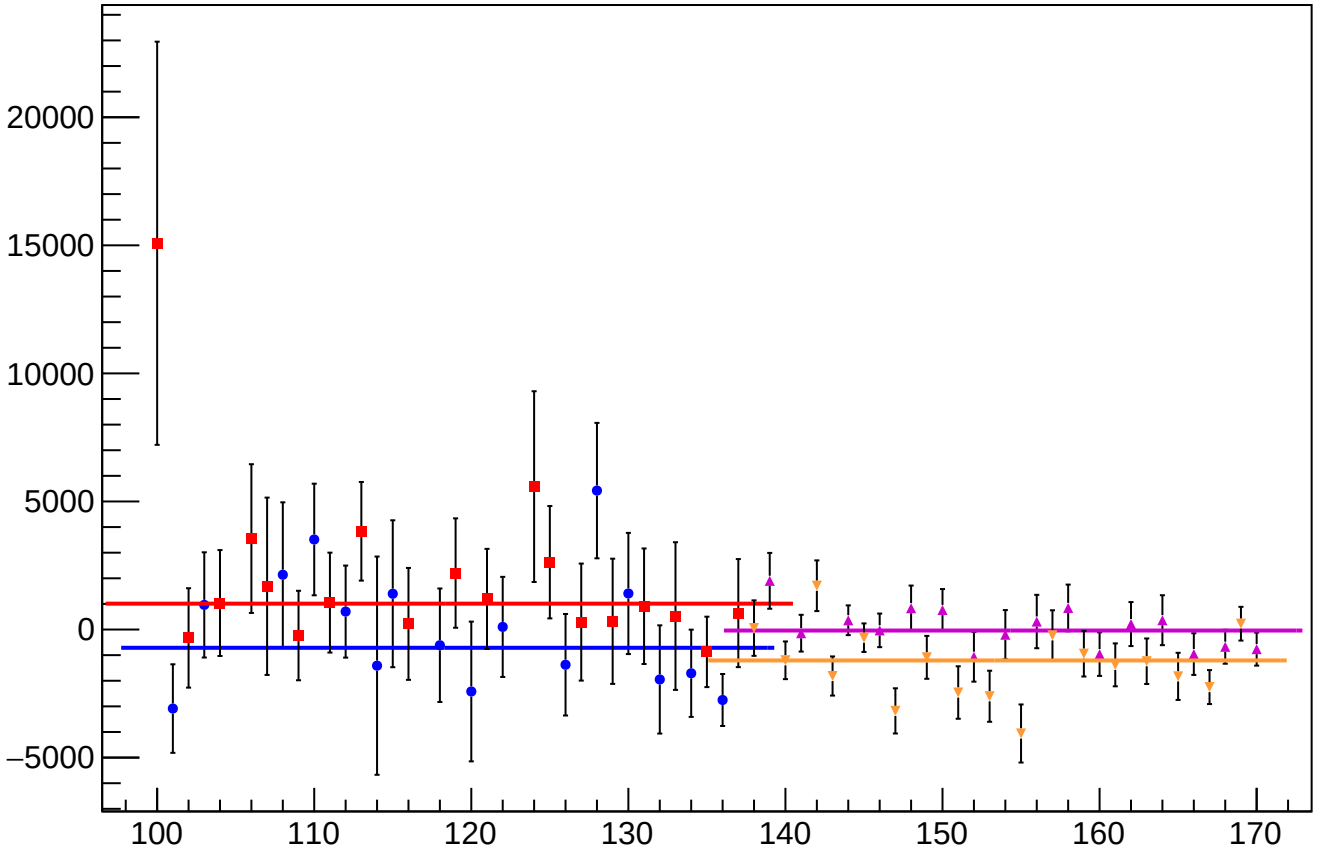
200
180
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 94.210+/-0.018 χ²/NDF:325555.9/16
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 93.552+/-0.019 χ²/NDF:227189.9/15
Left: 93.882+/-0.013 χ²/NDF: 553377.1/32
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 97.615+/-0.016 χ²/NDF:877660.8/31
Out: 98.613+/-0.016 χ²/NDF:1017705.7/35
All: 98.114+/-0.011 χ²/NDF: 1897405.6/67

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: -1206.739+/-200.536 χ^2/NDF:36.8/16

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -38.966+/-199.561 χ^2/NDF:12.7/15

Left: -620.007+/-141.455 χ^2/NDF: 66.6/32

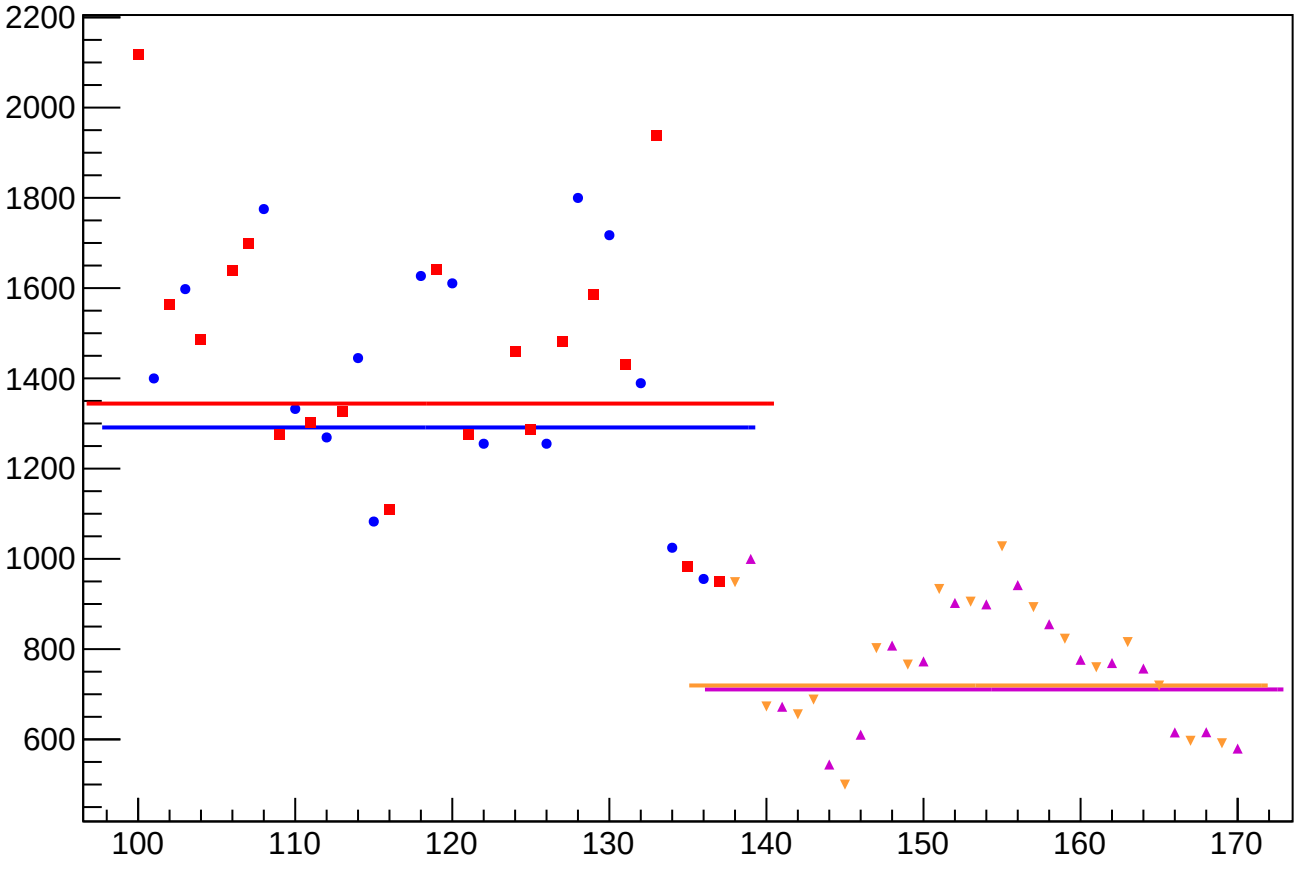
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -133.761+/-184.994 χ^2/NDF:34.4/31

Out: -900.938+/-186.195 χ^2/NDF:65.4/35

All: -514.868+/-131.233 χ^2/NDF: 108.4/67

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: 719.467+/-0.142 χ^2/NDF:1010684.1/16

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 710.681+/-0.141 χ^2/NDF:873452.0/15

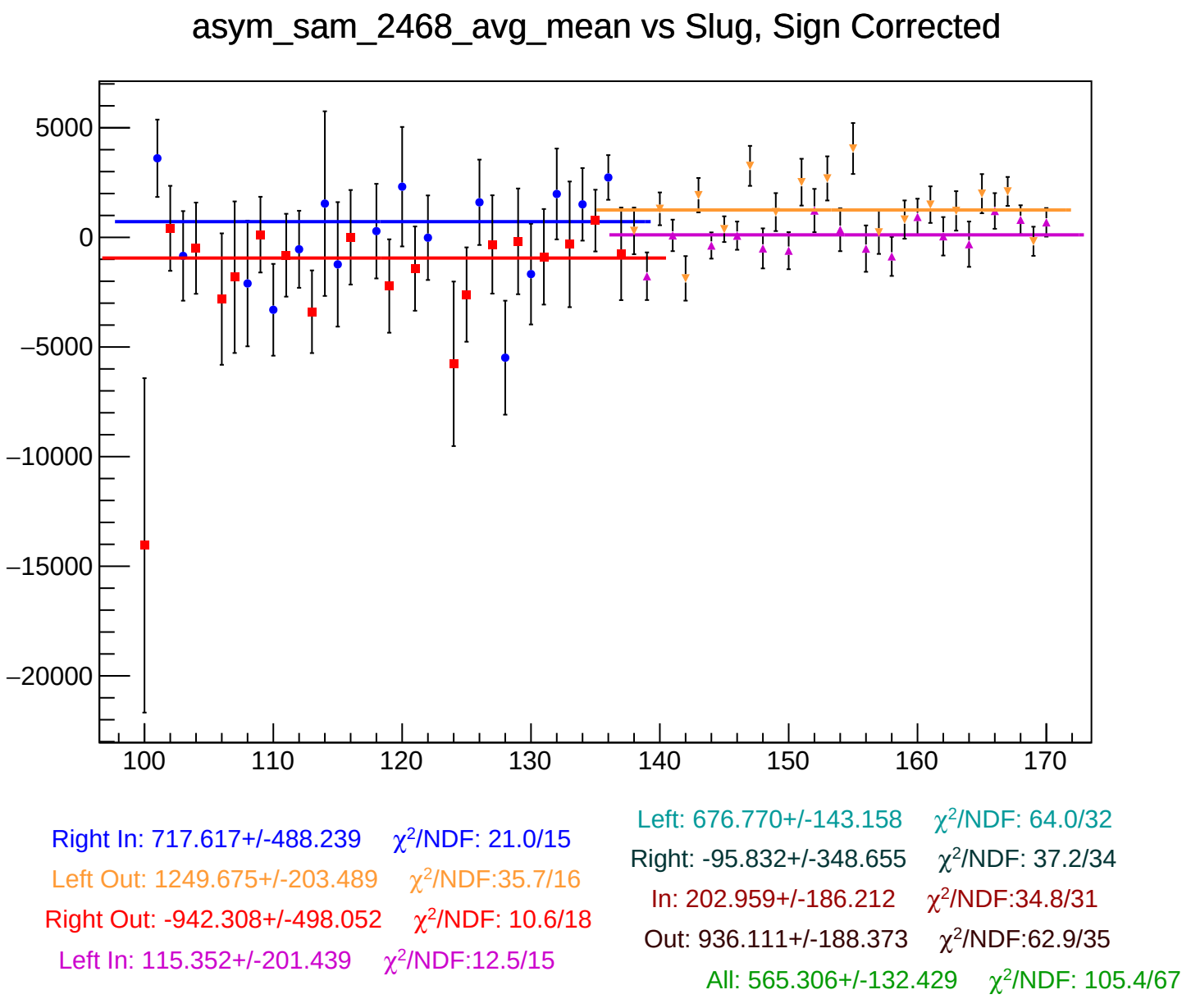
Left: 715.053+/-0.100 χ^2/NDF: 1886064.9/32

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

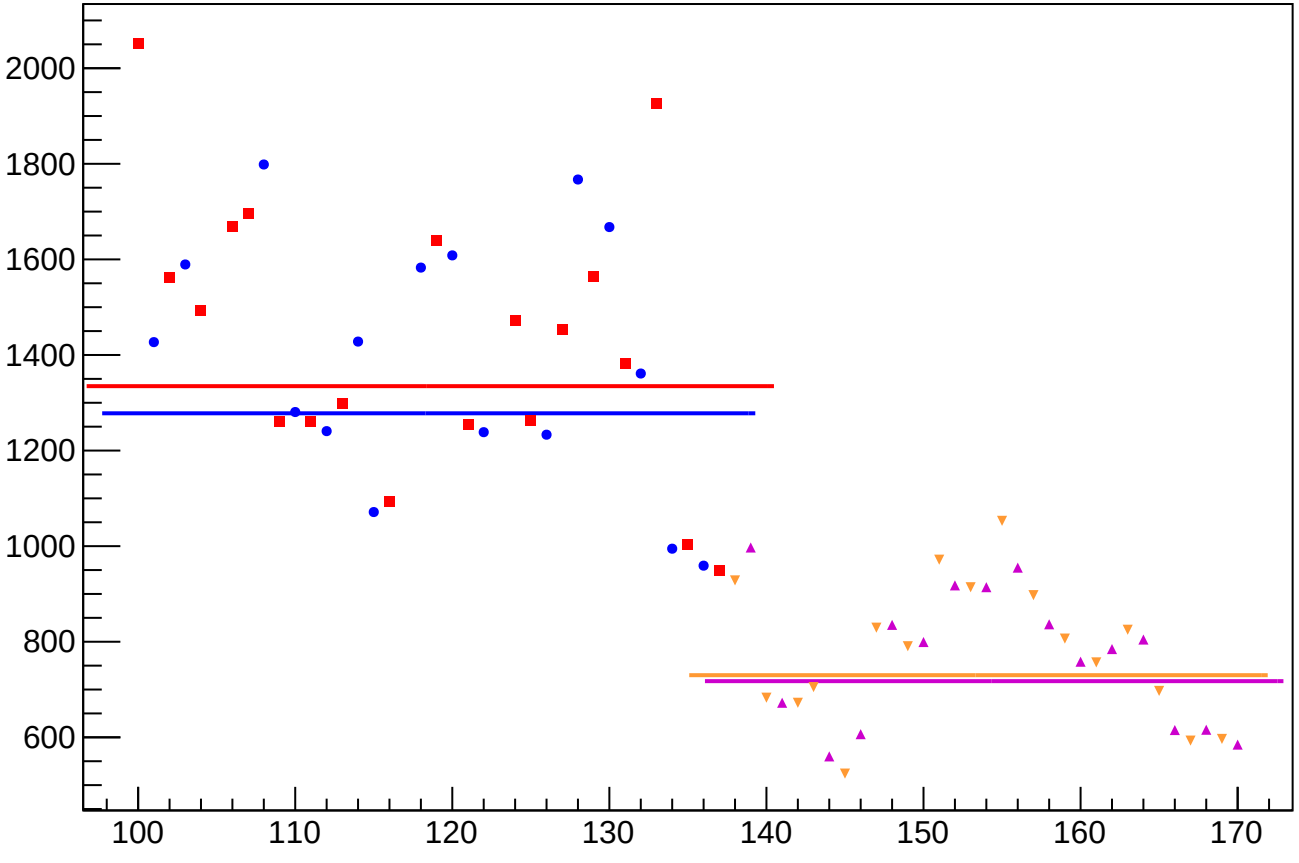
In: 792.342+/-0.131 χ^2/NDF:3865123.5/31

Out: 805.616+/-0.132 χ^2/NDF:4177907.3/35

All: 798.936+/-0.093 χ^2/NDF: 8048146.5/67


asym_sam_2468_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 717.617+/-488.239 χ²/NDF: 21.0/15
Left Out: 1249.675+/-203.489 χ²/NDF:35.7/16
Right Out: -942.308+/-498.052 χ²/NDF: 10.6/18
Left In: 115.352+/-201.439 χ²/NDF:12.5/15
Left: 676.770+/-143.158 χ²/NDF: 64.0/32
Right: -95.832+/-348.655 χ²/NDF: 37.2/34
In: 202.959+/-186.212 χ²/NDF:34.8/31
Out: 936.111+/-188.373 χ²/NDF:62.9/35
All: 565.306+/-132.429 χ²/NDF: 105.4/67

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 730.034+/-0.144 χ^2/NDF:956933.5/16

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 717.546+/-0.142 χ^2/NDF:882339.4/15

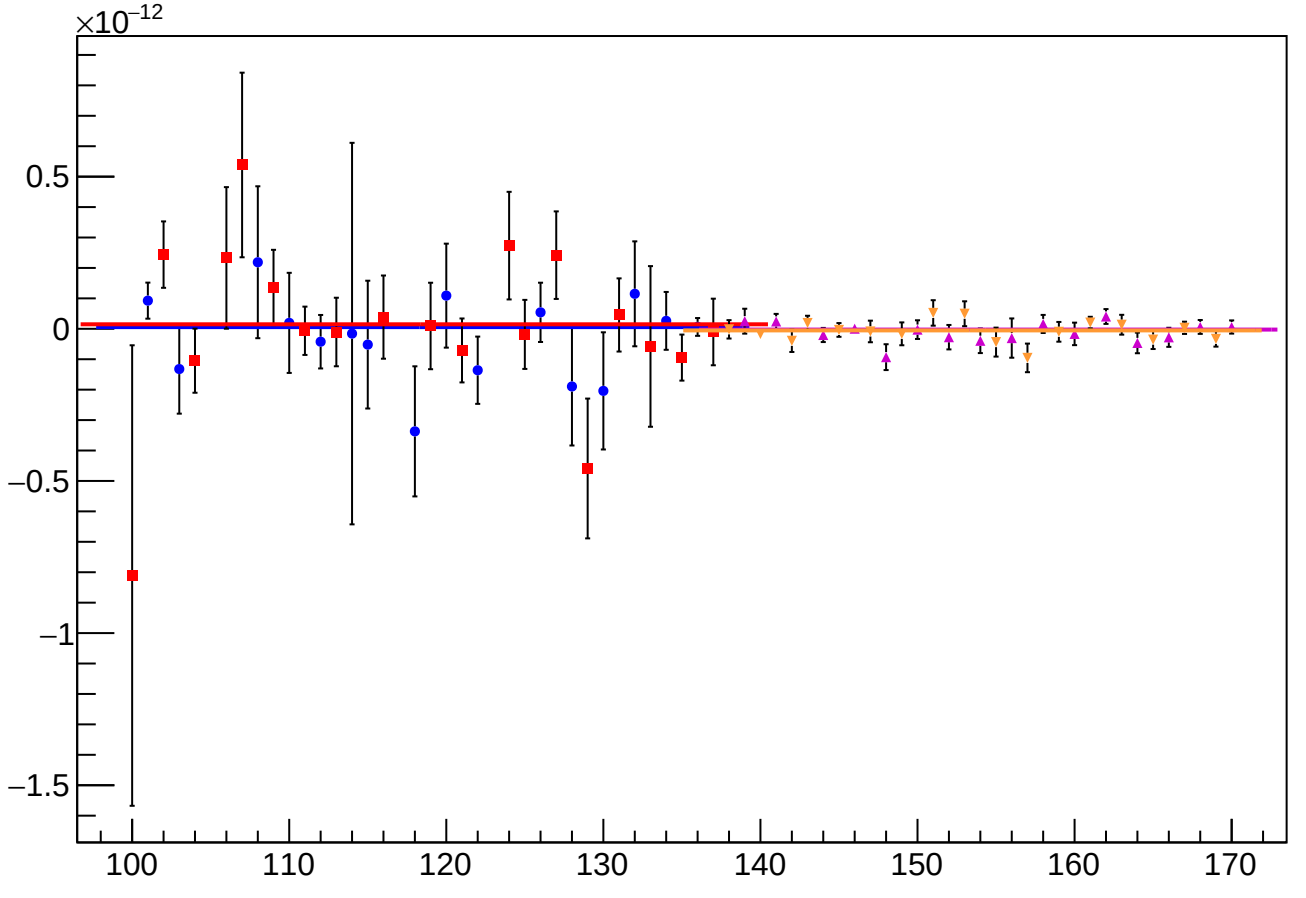
Left: 723.727+/-0.101 χ^2/NDF: 1843077.4/32

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 799.068+/-0.132 χ^2/NDF:3731876.3/31

Out: 816.543+/-0.133 χ^2/NDF:3955654.2/35

All: 807.705+/-0.094 χ^2/NDF: 7696235.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/15

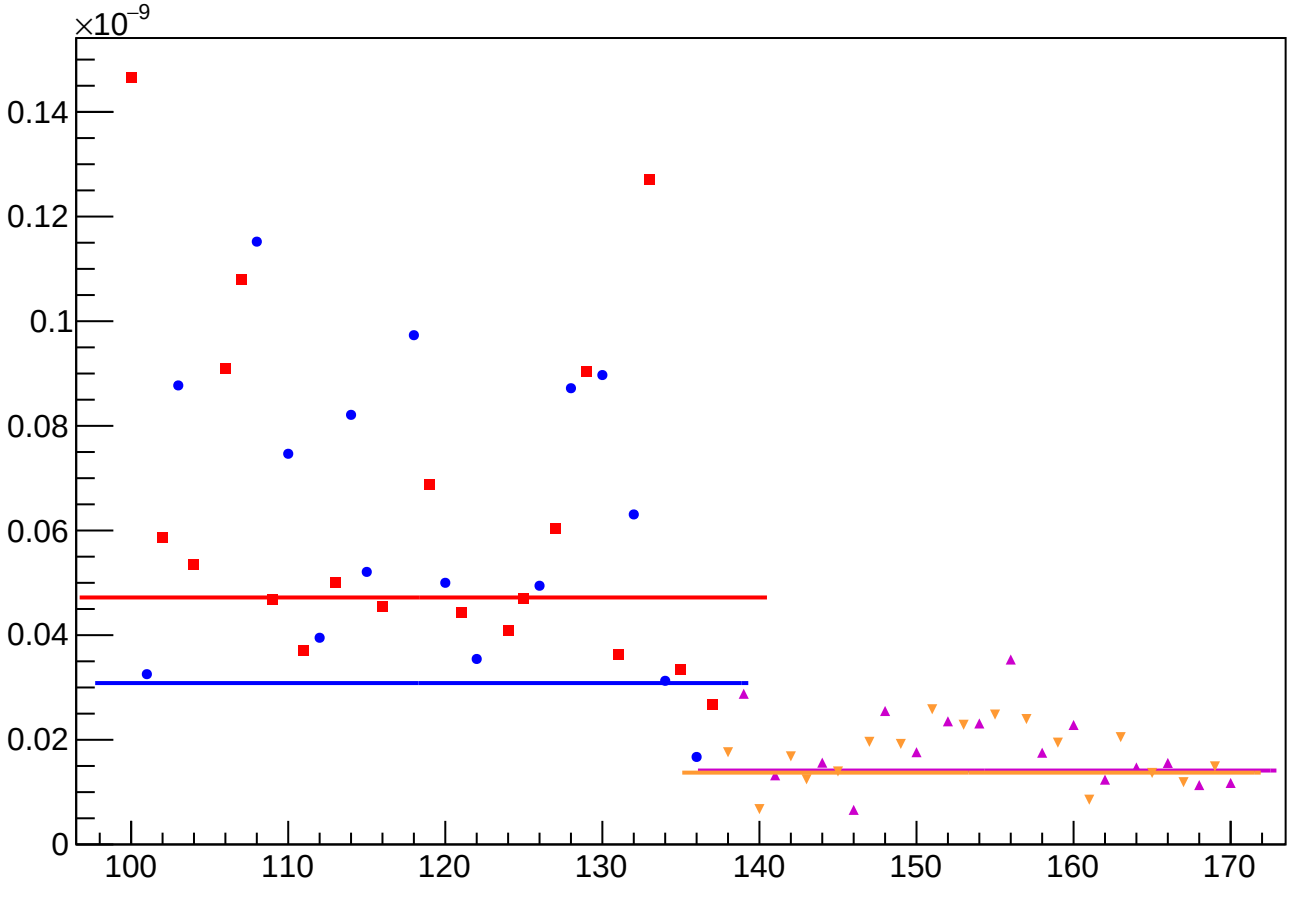
Left: -0.000+/-0.000 χ^2/NDF: 29.7/32

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:26.2/31

Out: -0.000+/-0.000 χ^2/NDF:39.4/35

All: -0.000+/-0.000 χ^2/NDF: 65.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358632.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1602669.8/15

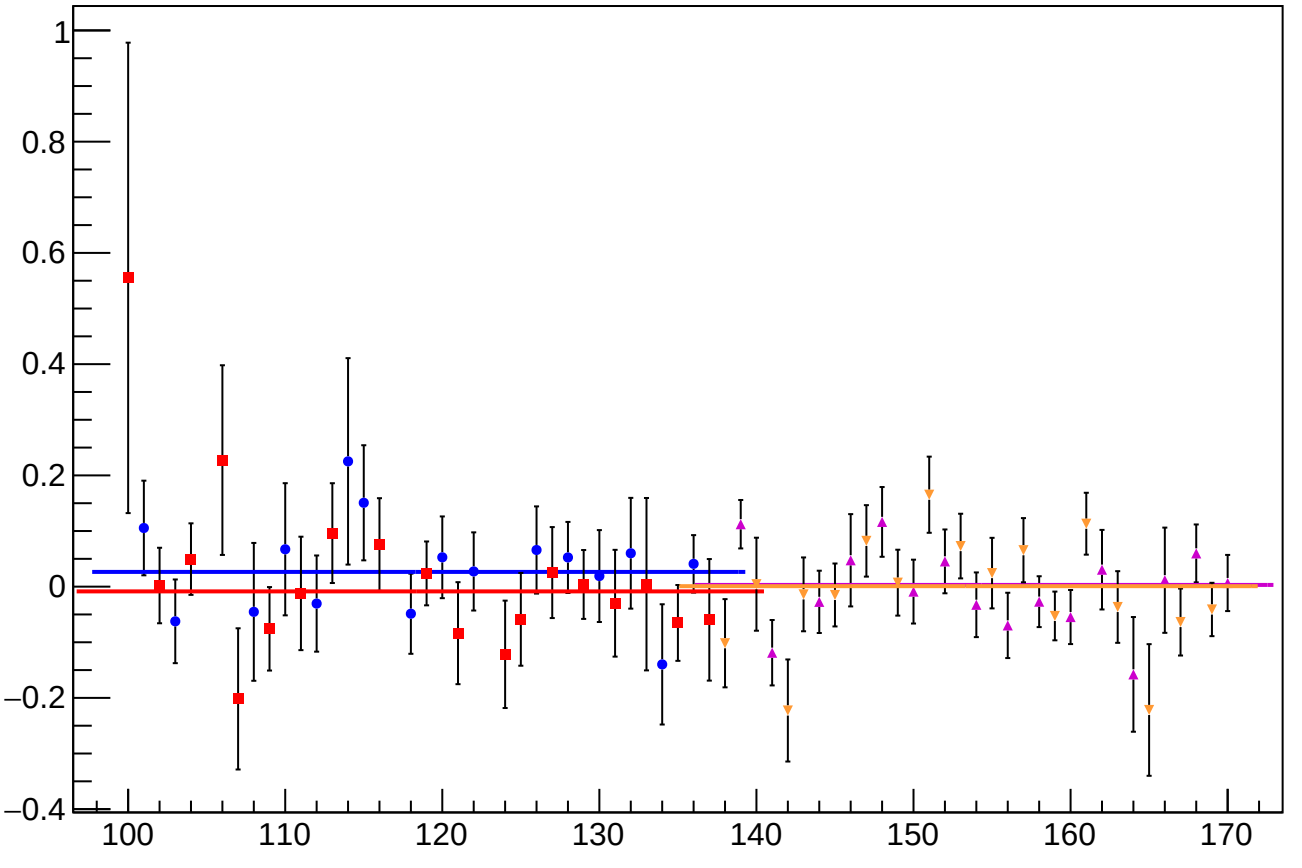
Left: 0.000+/-0.000 χ^2/NDF: 2964833.3/32

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4606995.2/31

Out: 0.000+/-0.000 χ^2/NDF:4679312.5/35

All: 0.000+/-0.000 χ^2/NDF: 9287768.3/67



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.4/16

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.014 χ^2/NDF:22.5/15

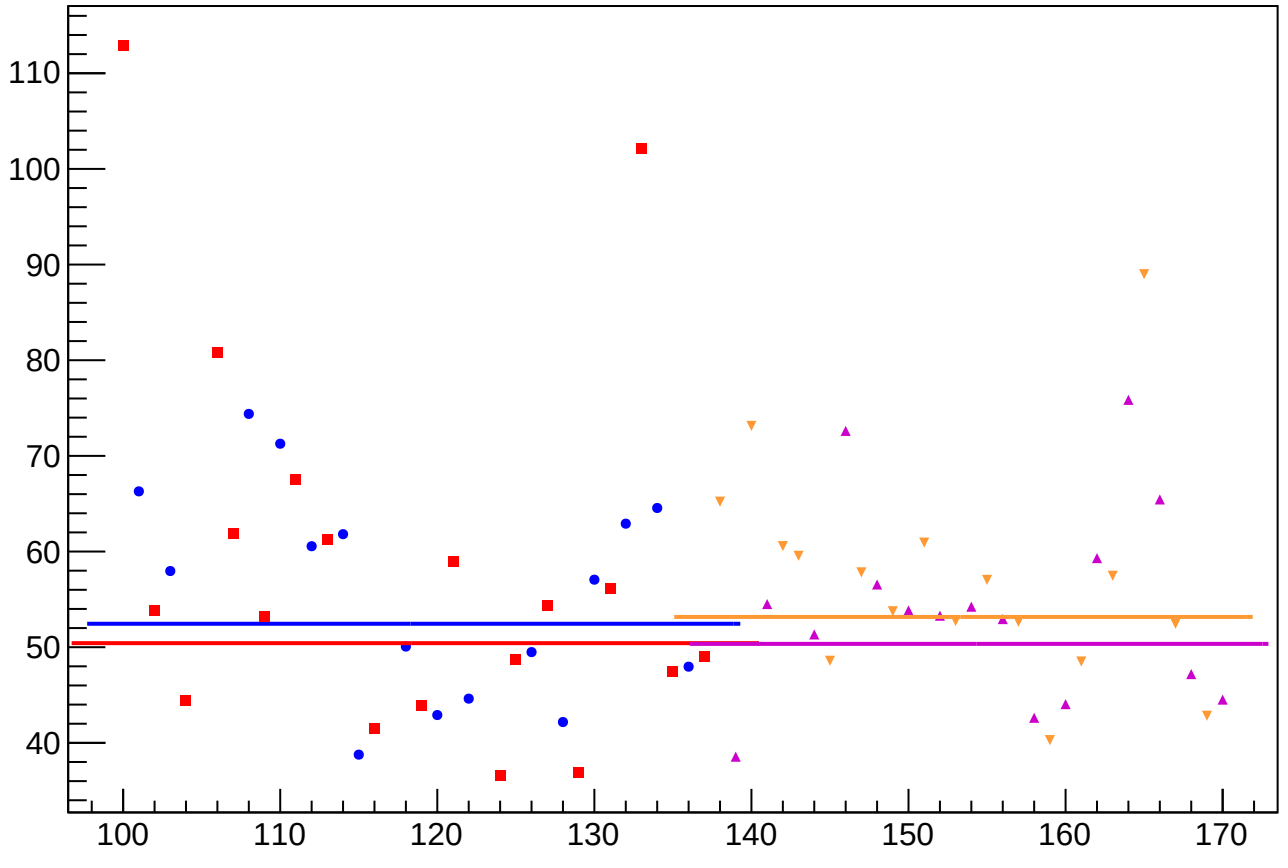
Left: 0.002+/-0.010 χ^2/NDF: 52.0/32

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.003+/-0.012 χ^2/NDF:43.5/35

All: 0.004+/-0.008 χ^2/NDF: 77.5/67



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.164+/-0.011 χ^2/NDF:721461.4/16

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.348+/-0.010 χ^2/NDF:675950.1/15

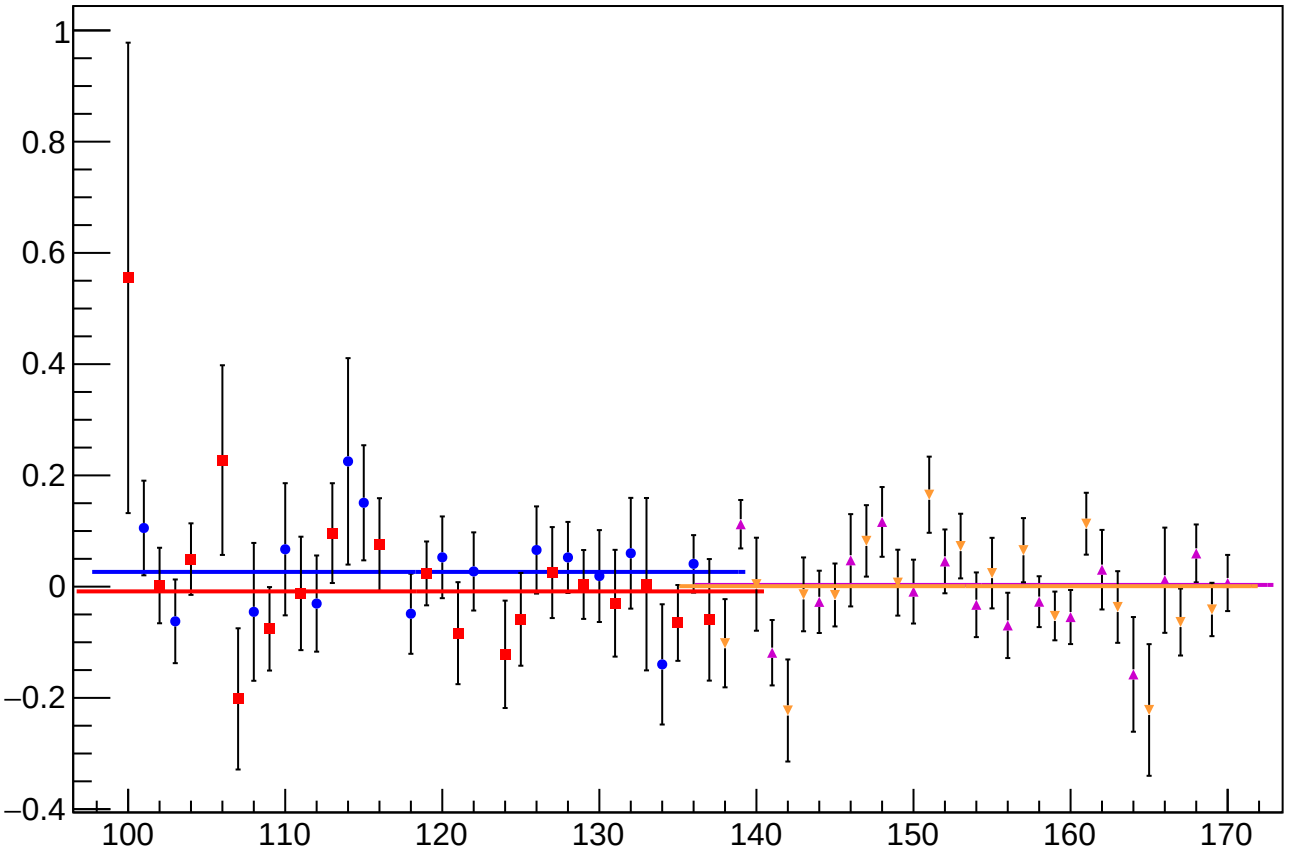
Left: 51.698+/-0.007 χ^2/NDF: 1433854.1/32

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.050+/-0.008 χ^2/NDF:1108118.8/31

Out: 52.139+/-0.008 χ^2/NDF:1423010.0/35

All: 51.589+/-0.006 χ^2/NDF: 2539572.7/67



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.4/16

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.014 χ^2/NDF:22.5/15

Left: 0.002+/-0.010 χ^2/NDF: 52.0/32

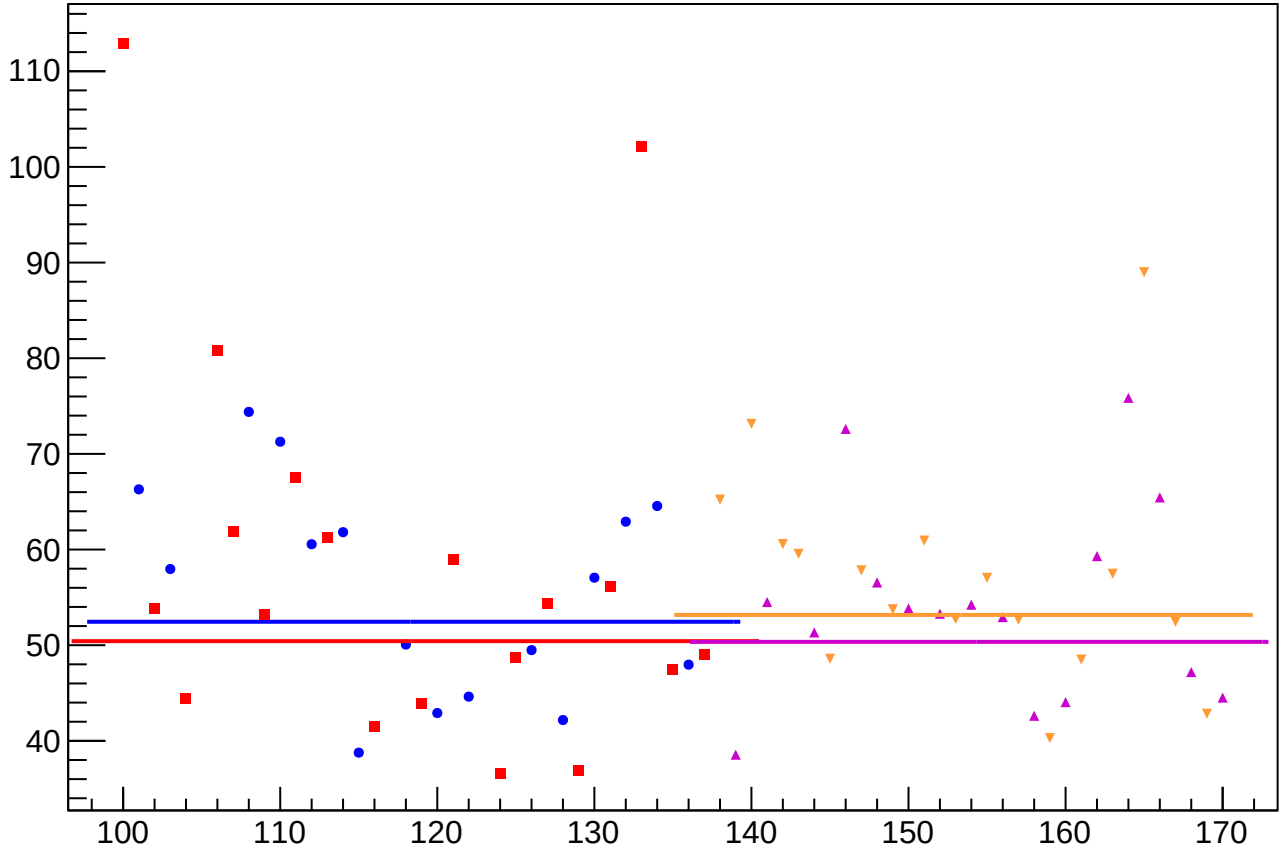
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.003+/-0.012 χ^2/NDF:43.5/35

All: 0.004+/-0.008 χ^2/NDF: 77.5/67

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.164+/-0.011 χ^2/NDF:721461.4/16

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.348+/-0.010 χ^2/NDF:675950.1/15

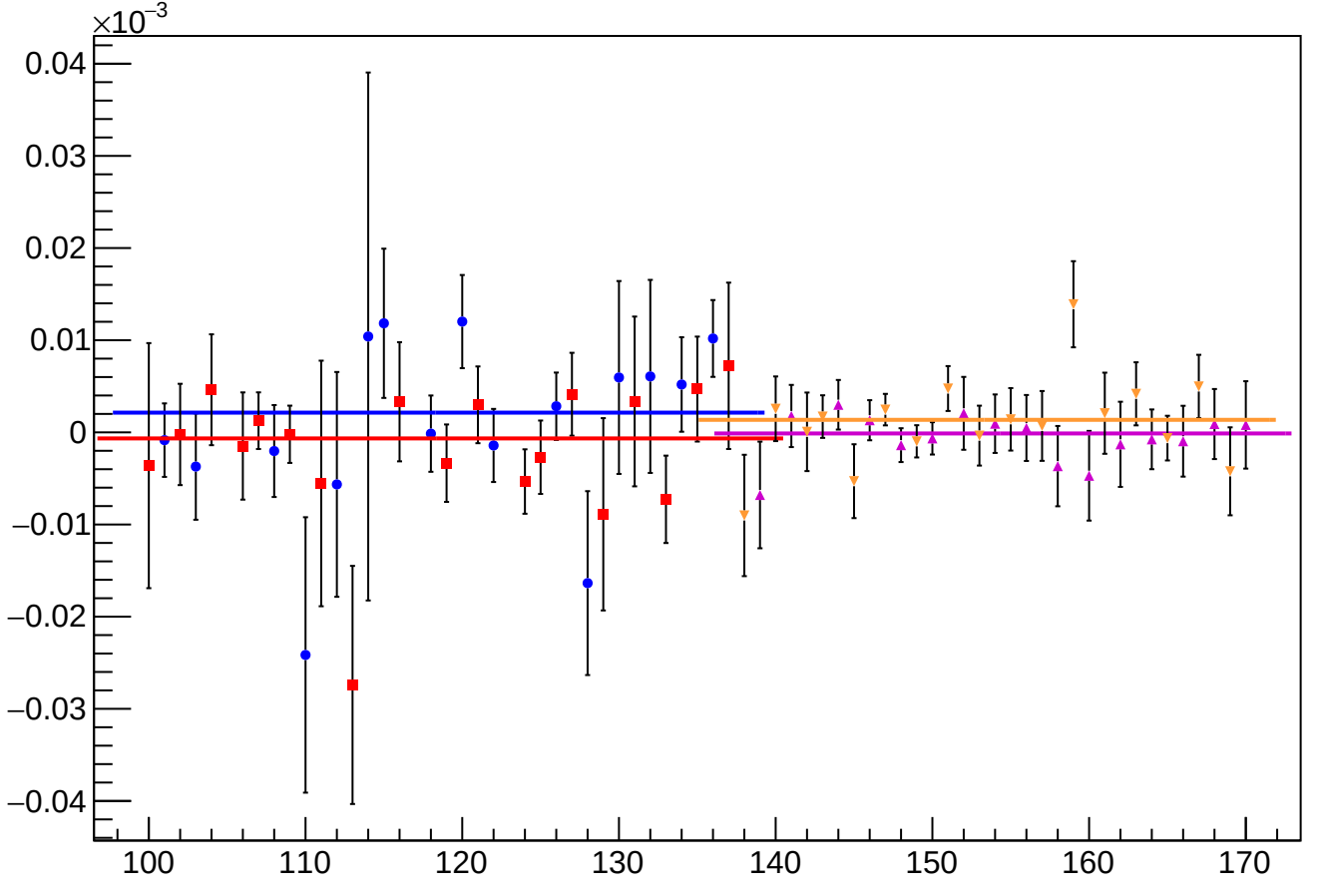
Left: 51.698+/-0.007 χ^2/NDF: 1433854.1/32

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.050+/-0.008 χ^2/NDF:1108118.8/31

Out: 52.139+/-0.008 χ^2/NDF:1423010.0/35

All: 51.589+/-0.006 χ^2/NDF: 2539572.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/15

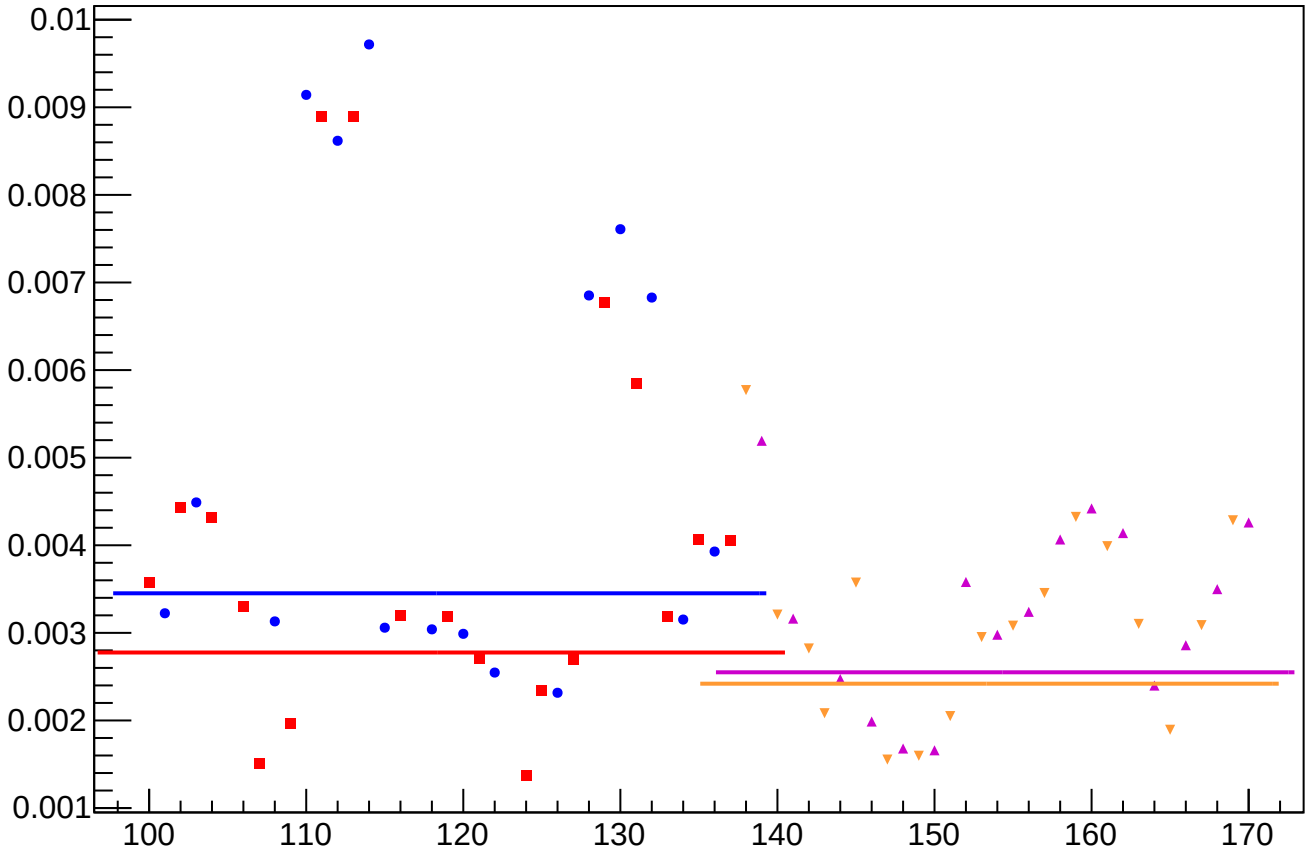
Left: 0.000+/-0.000 χ^2/NDF: 29.3/32

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:38.0/35

All: 0.000+/-0.000 χ^2/NDF: 66.6/67



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3269754.7/16

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3007634.2/15

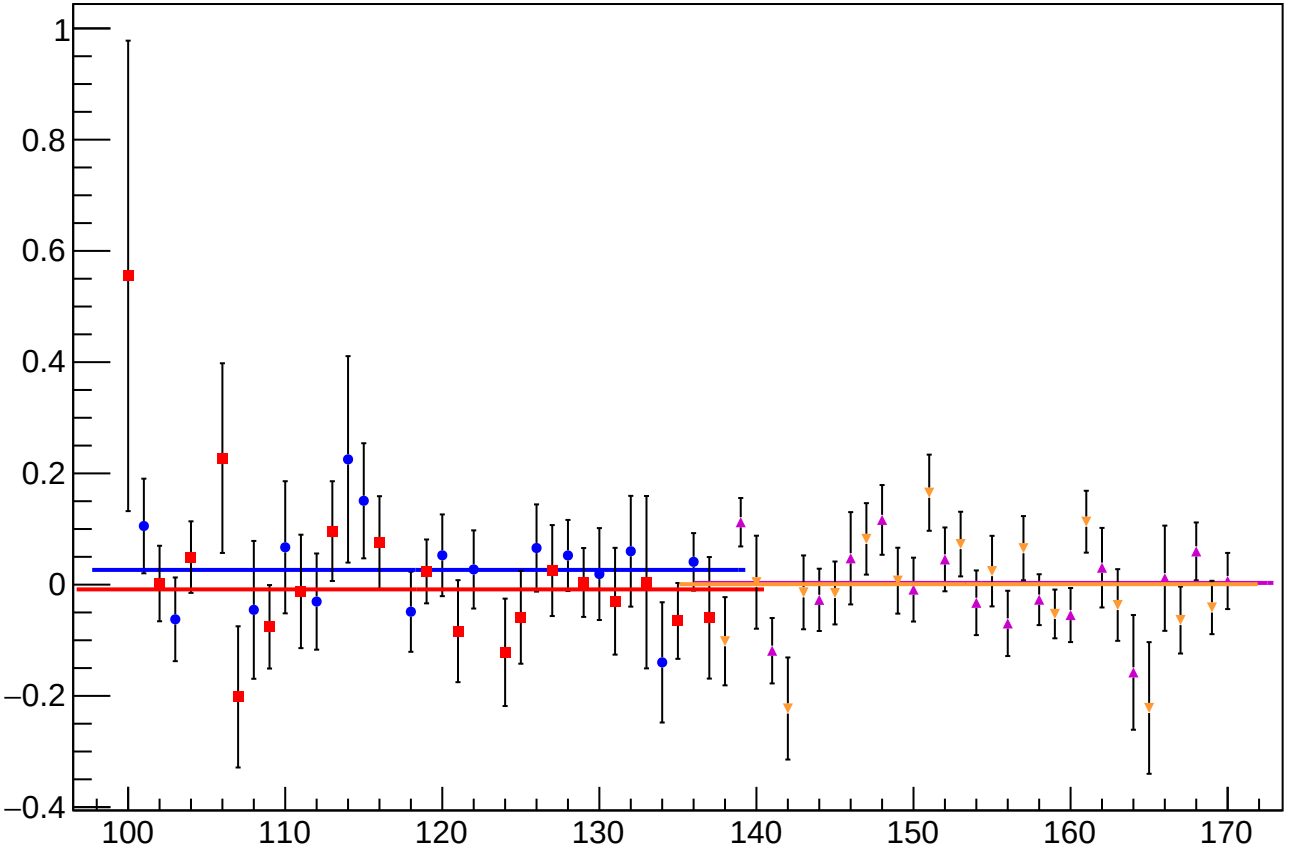
Left: 0.002+/-0.000 χ^2/NDF: 6308839.1/32

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5611389.2/31

Out: 0.003+/-0.000 χ^2/NDF:6143706.2/35

All: 0.003+/-0.000 χ^2/NDF: 11896223.3/67



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.4/16

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.014 χ^2/NDF:22.5/15

Left: 0.002+/-0.010 χ^2/NDF: 52.0/32

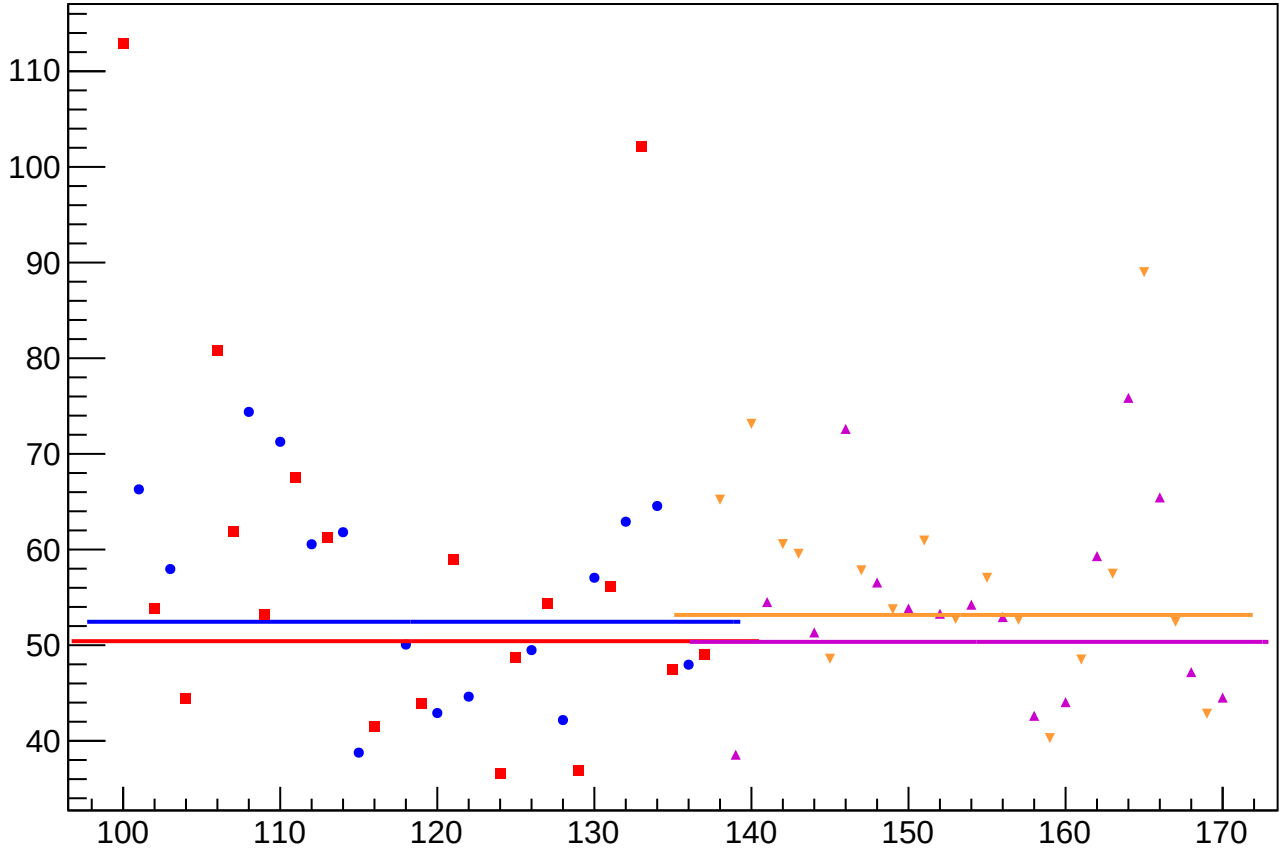
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.003+/-0.012 χ^2/NDF:43.5/35

All: 0.004+/-0.008 χ^2/NDF: 77.5/67

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: 53.165+/-0.011 χ^2/NDF:721466.5/16

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.348+/-0.010 χ^2/NDF:676026.6/15

Left: 51.698+/-0.007 χ^2/NDF: 1433939.1/32

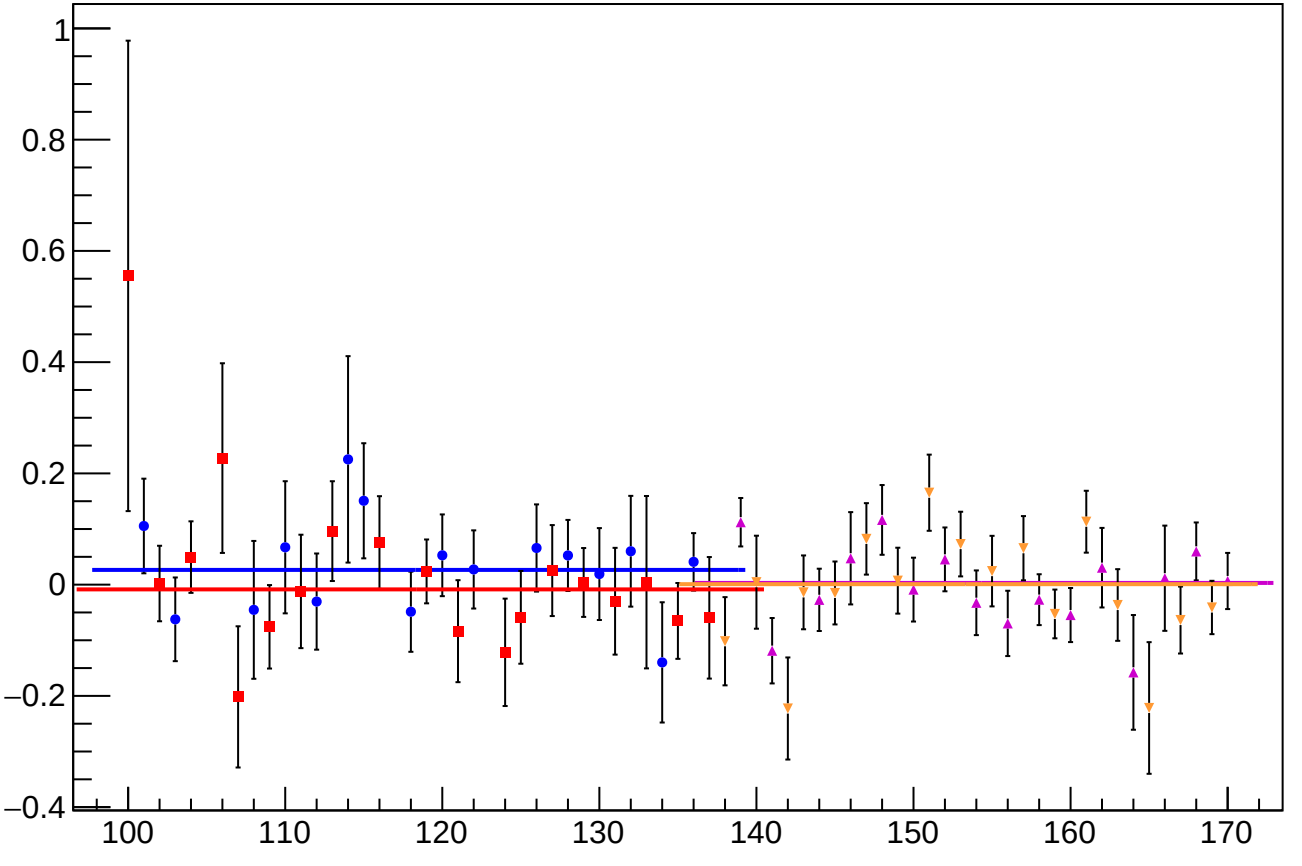
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.050+/-0.008 χ^2/NDF:1108129.5/31

Out: 52.139+/-0.008 χ^2/NDF:1423049.8/35

All: 51.589+/-0.006 χ^2/NDF: 2539623.0/67

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: 0.001+/-0.015 χ^2/NDF:29.4/16

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.014 χ^2/NDF:22.5/15

Left: 0.002+/-0.010 χ^2/NDF: 52.0/32

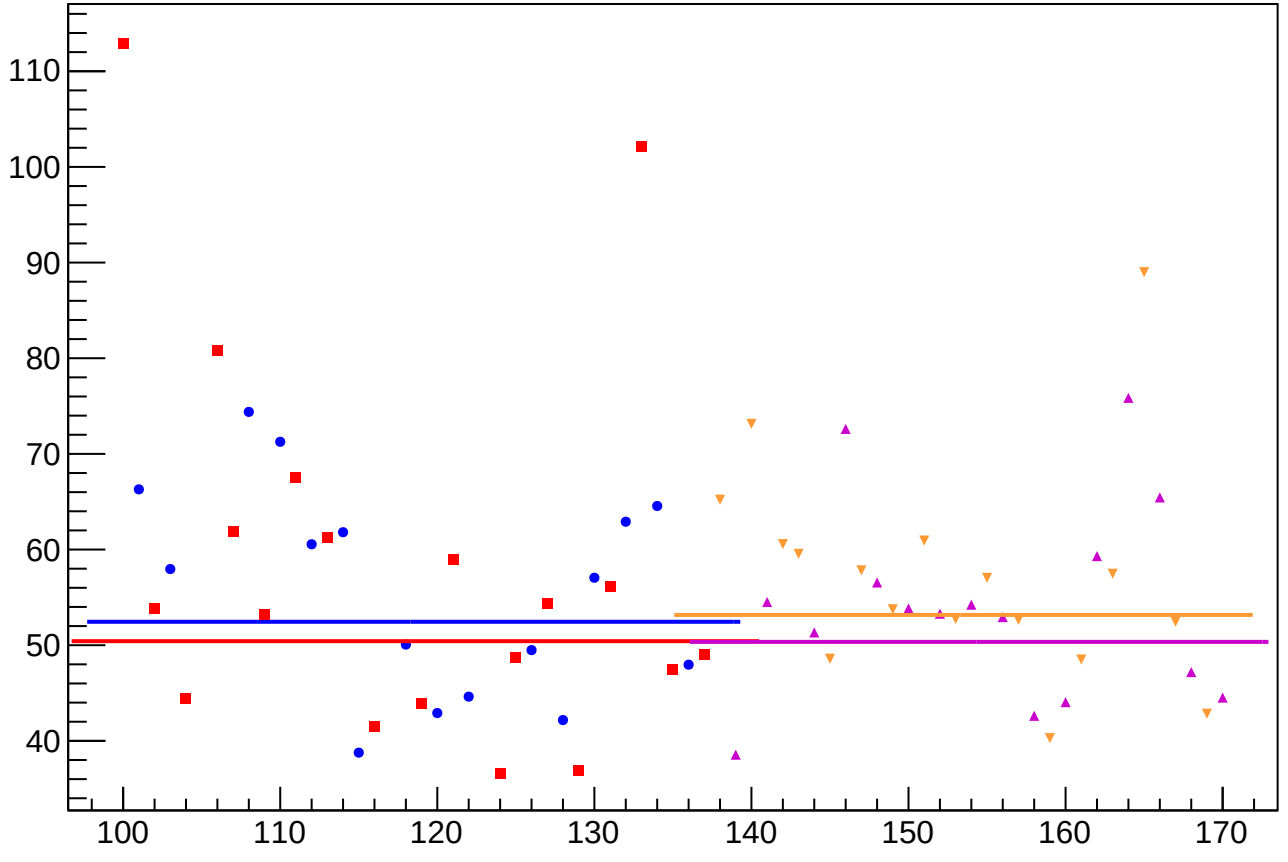
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.003+/-0.012 χ^2/NDF:43.5/35

All: 0.004+/-0.008 χ^2/NDF: 77.5/67

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.165+/-0.011 χ^2/NDF:721466.5/16

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.348+/-0.010 χ^2/NDF:676026.6/15

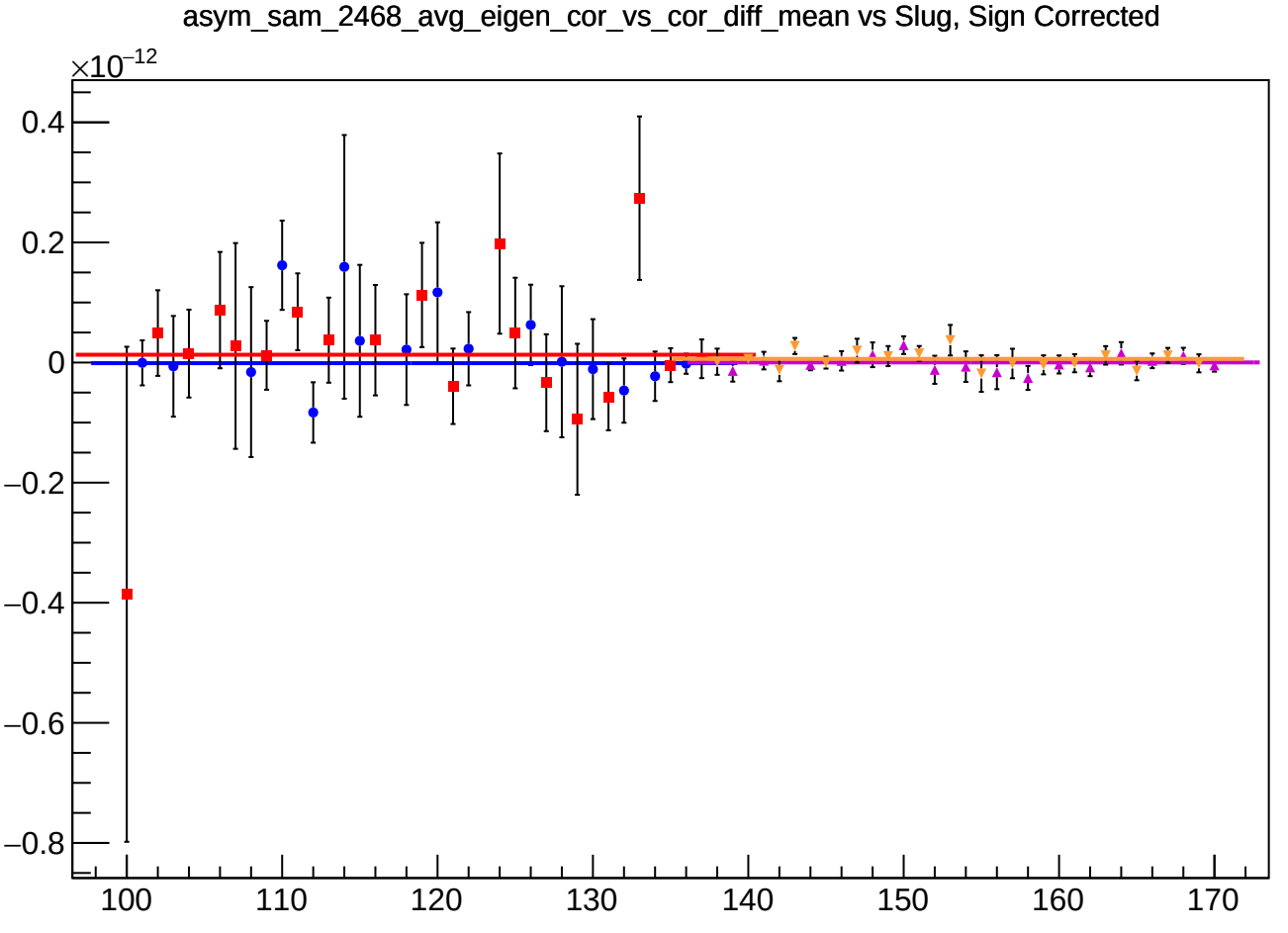
Left: 51.698+/-0.007 χ^2/NDF: 1433939.1/32

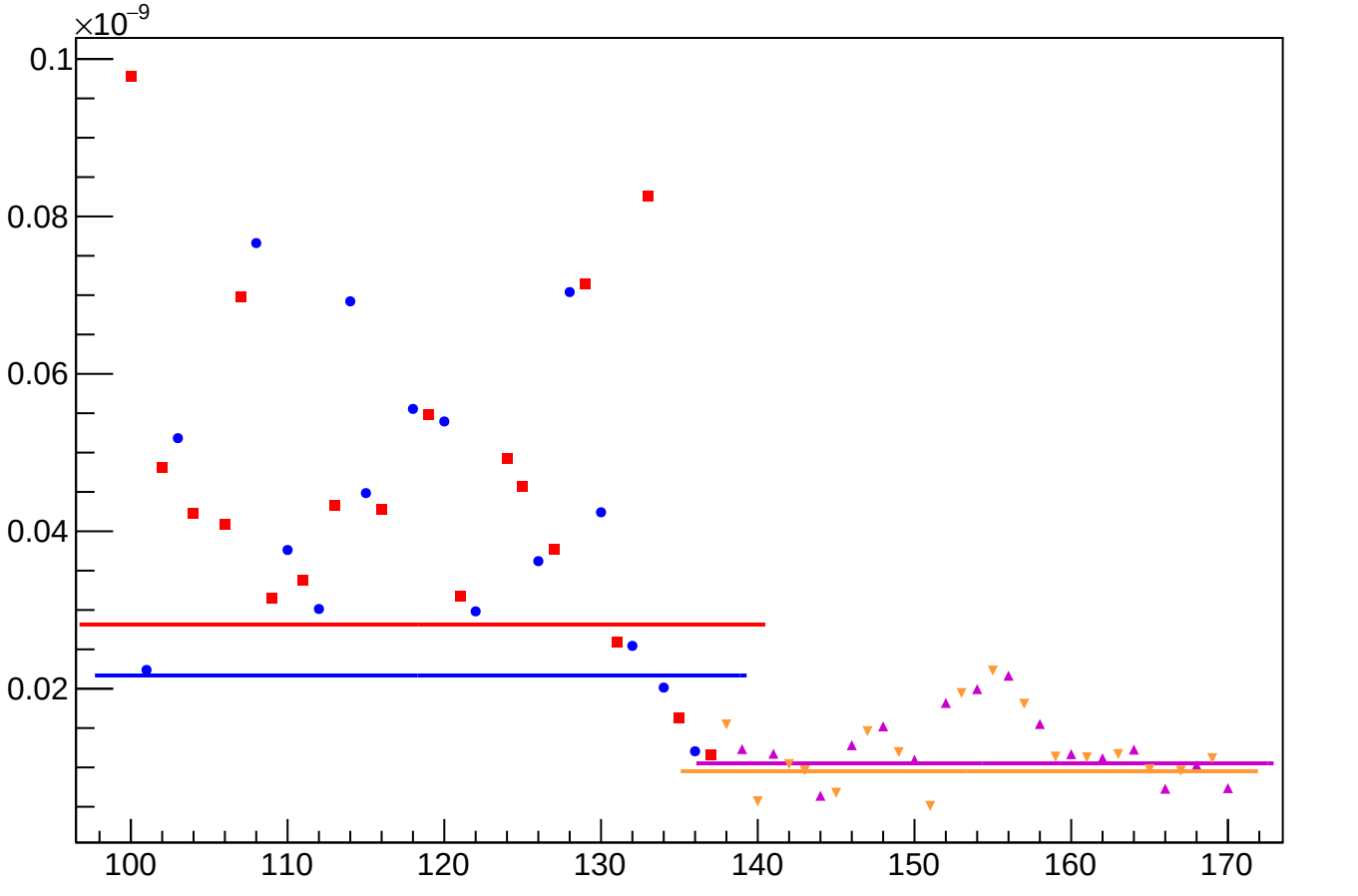
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.050+/-0.008 χ^2/NDF:1108129.5/31

Out: 52.139+/-0.008 χ^2/NDF:1423049.8/35

All: 51.589+/-0.006 χ^2/NDF: 2539623.0/67


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:9.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 20.6/32
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:20.6/31
Out: 0.000+/-0.000 χ²/NDF:23.8/35
All: 0.000+/-0.000 χ²/NDF: 46.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2185906.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1871722.8/15

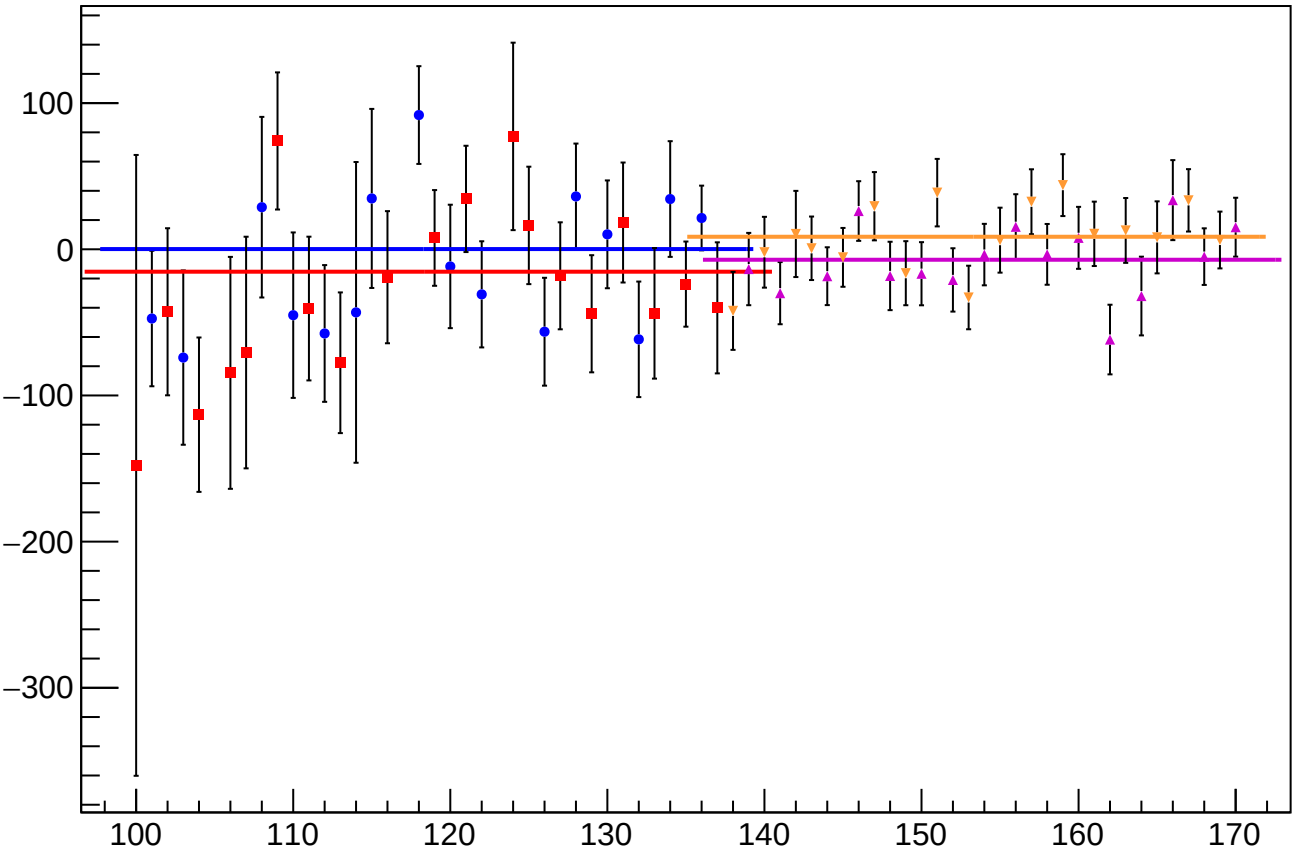
Left: 0.000+/-0.000 χ^2/NDF: 4133174.0/32

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5975042.6/31

Out: 0.000+/-0.000 χ^2/NDF:7685417.1/35

All: 0.000+/-0.000 χ^2/NDF: 13733461.9/67



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.577+/-5.453 χ^2/NDF:17.3/16

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.154+/-5.478 χ^2/NDF:16.2/15

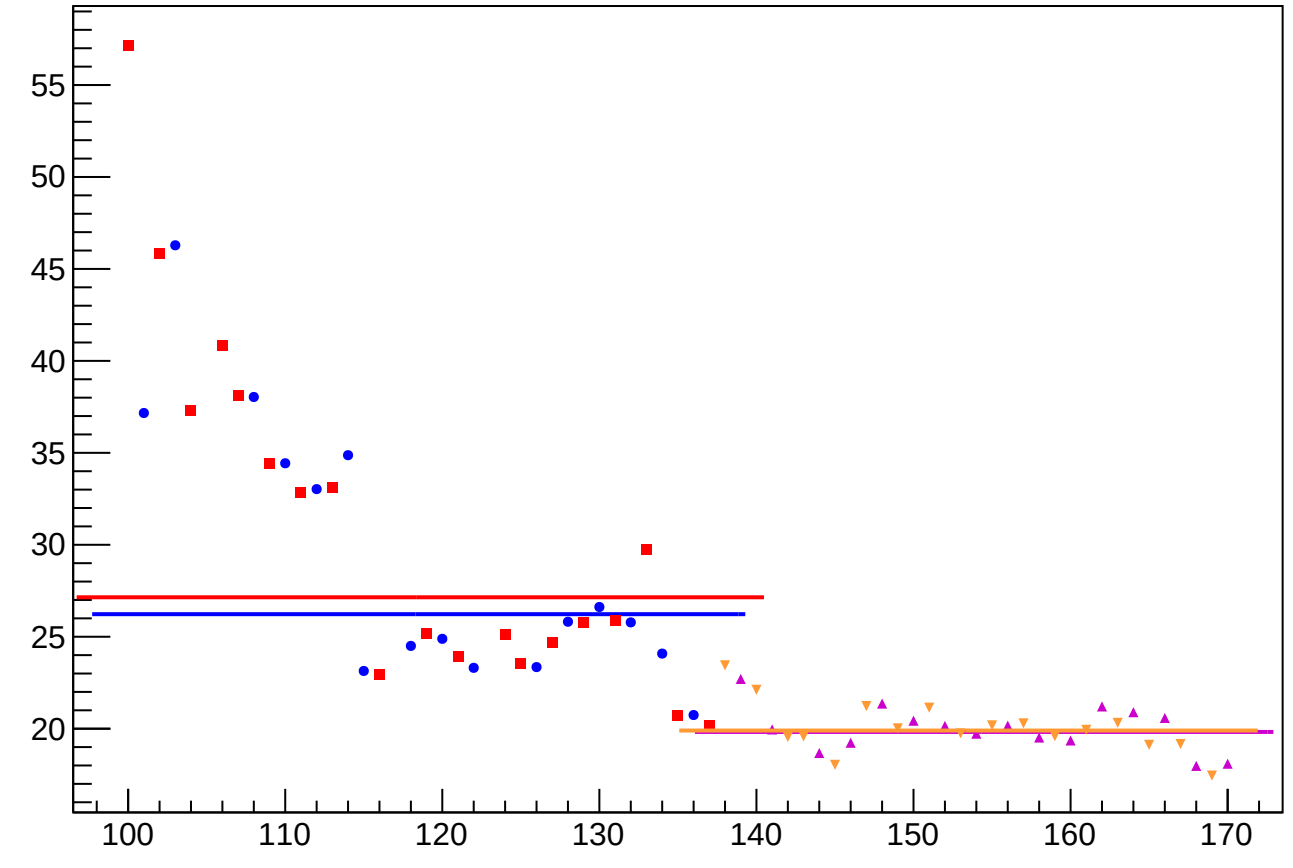
Left: 0.747+/-3.865 χ^2/NDF: 37.6/32

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 3.316+/-4.816 χ^2/NDF:39.4/35

All: -1.087+/-3.403 χ^2/NDF: 79.0/67



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.899+/-0.004 χ^2/NDF:120585.0/16

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

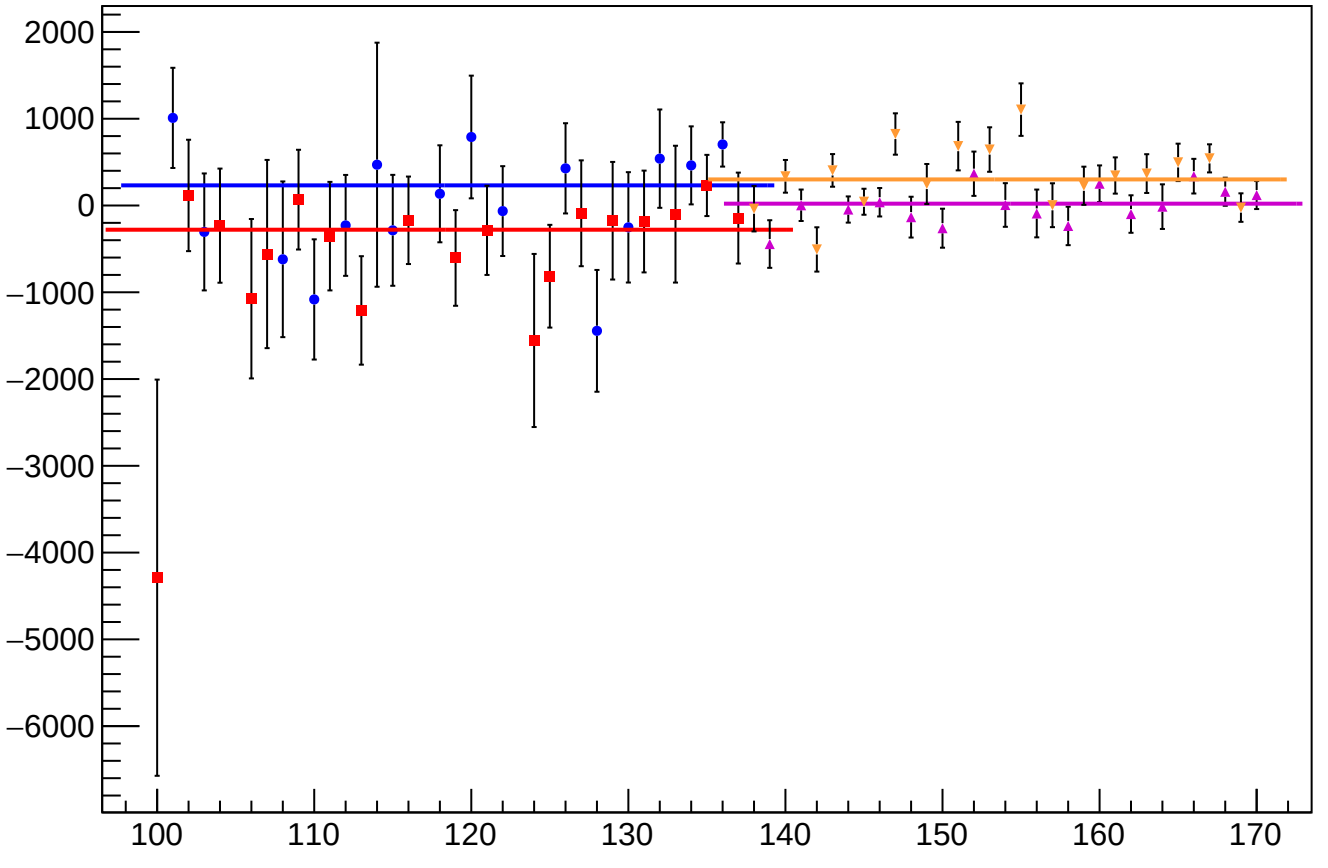
Left: 19.862+/-0.003 χ^2/NDF: 213368.9/32

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.291+/-0.003 χ^2/NDF:1394682.2/31

Out: 21.494+/-0.003 χ^2/NDF:1652981.8/35

All: 21.392+/-0.002 χ^2/NDF: 3049435.6/67



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 300.601+/-51.155 χ^2/NDF:39.2/16

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 21.099+/-50.756 χ^2/NDF:13.6/15

Left: 159.758+/-36.030 χ^2/NDF: 67.8/32

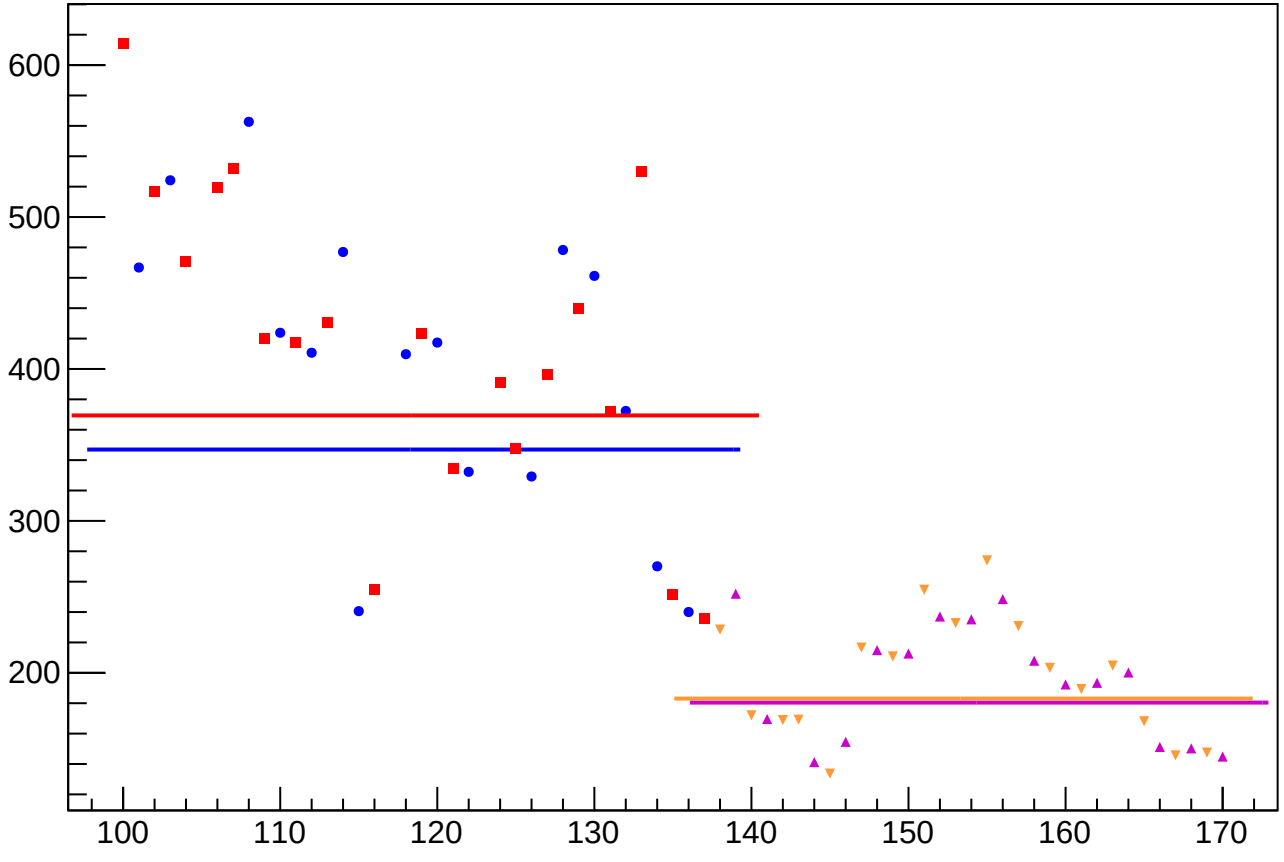
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 47.274+/-47.504 χ^2/NDF:35.4/31

Out: 232.298+/-48.046 χ^2/NDF:66.4/35

All: 138.736+/-33.780 χ^2/NDF: 109.3/67

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: 183.047+/-0.036 χ^2/NDF:1075854.7/16

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 180.411+/-0.036 χ^2/NDF:993836.6/15

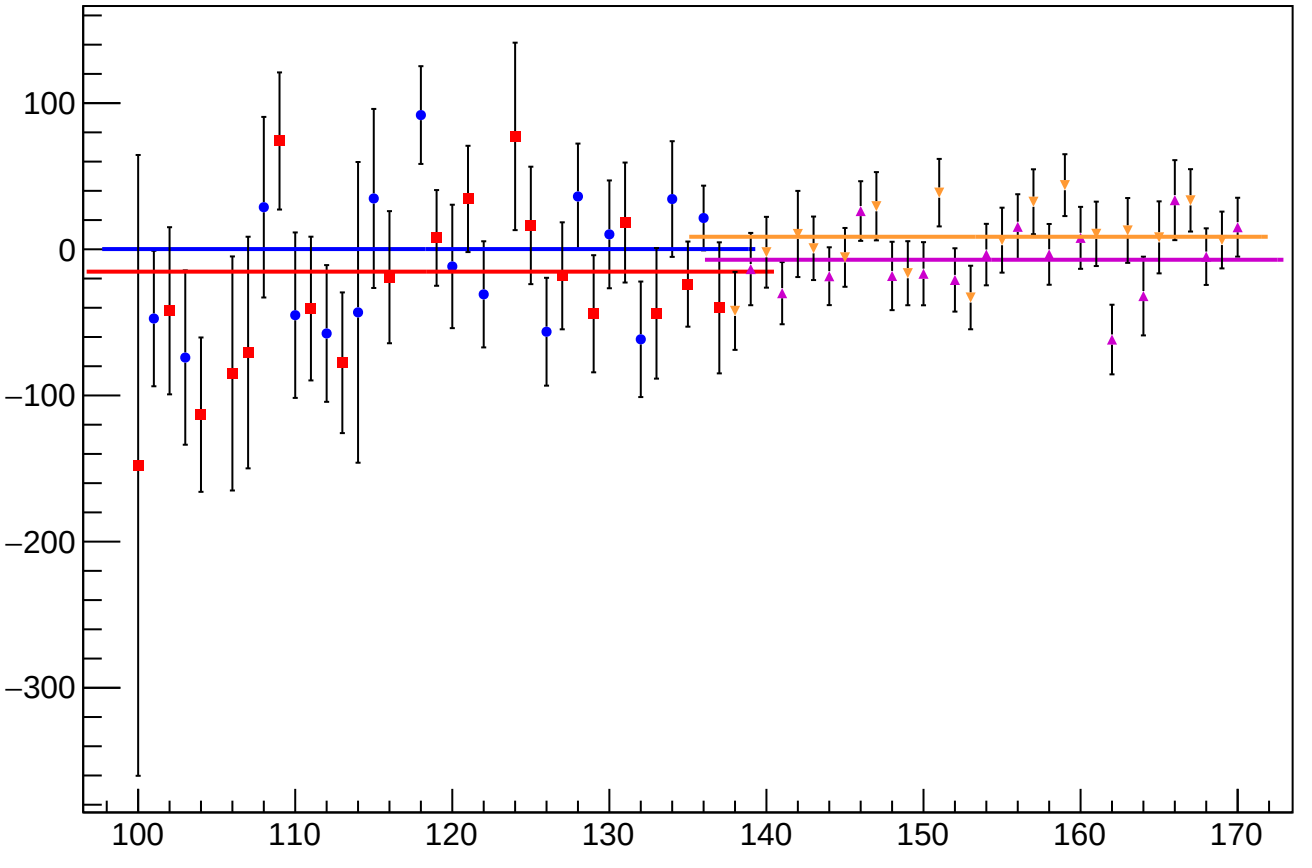
Left: 181.719+/-0.025 χ^2/NDF: 2072367.3/32

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 201.074+/-0.034 χ^2/NDF:4723632.9/31

Out: 205.008+/-0.034 χ^2/NDF:5122647.0/35

All: 203.019+/-0.024 χ^2/NDF: 9853059.1/67



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.577+/-5.453 χ^2/NDF:17.3/16

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.154+/-5.478 χ^2/NDF:16.2/15

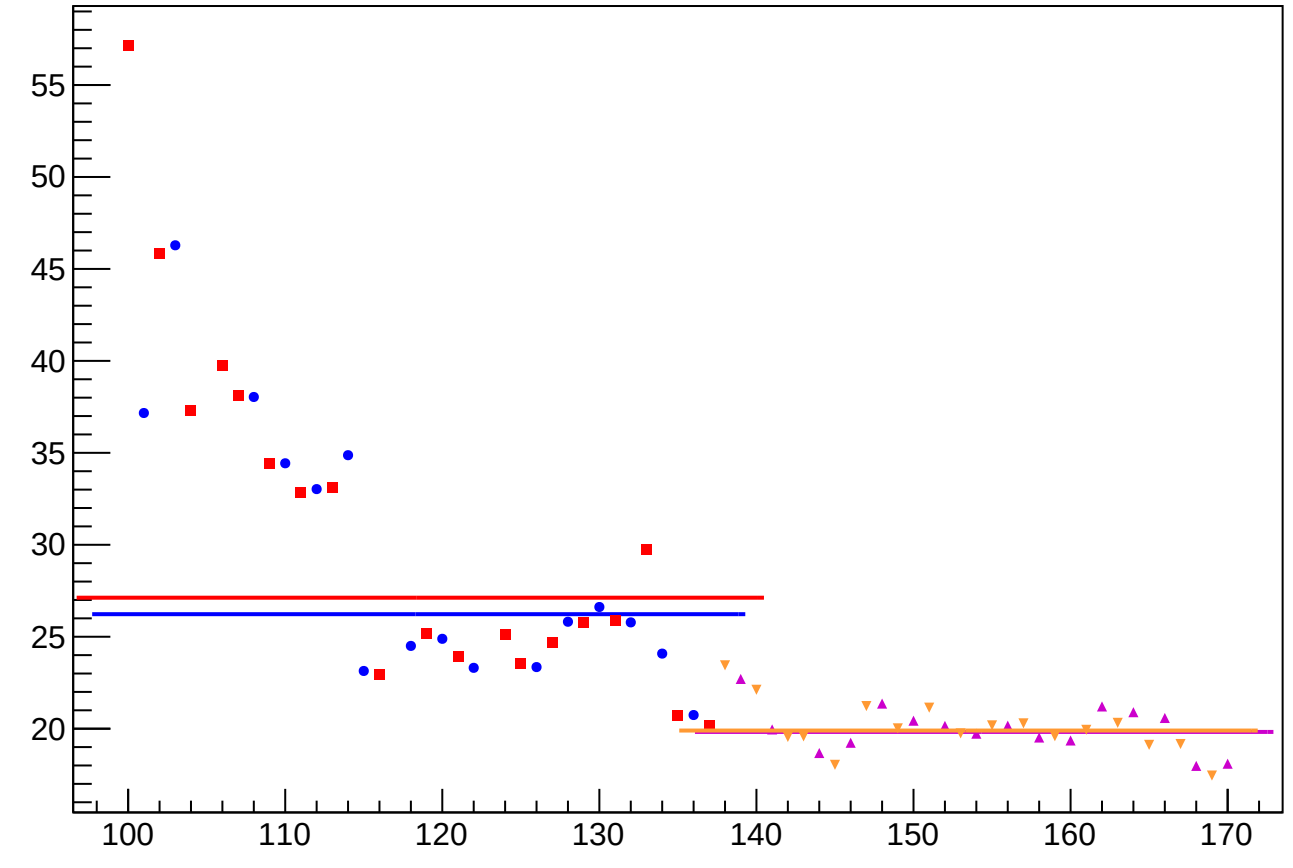
Left: 0.747+/-3.865 χ^2/NDF: 37.6/32

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 3.326+/-4.816 χ^2/NDF:39.4/35

All: -1.082+/-3.403 χ^2/NDF: 79.0/67



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.899+/-0.004 χ^2/NDF:120585.0/16

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

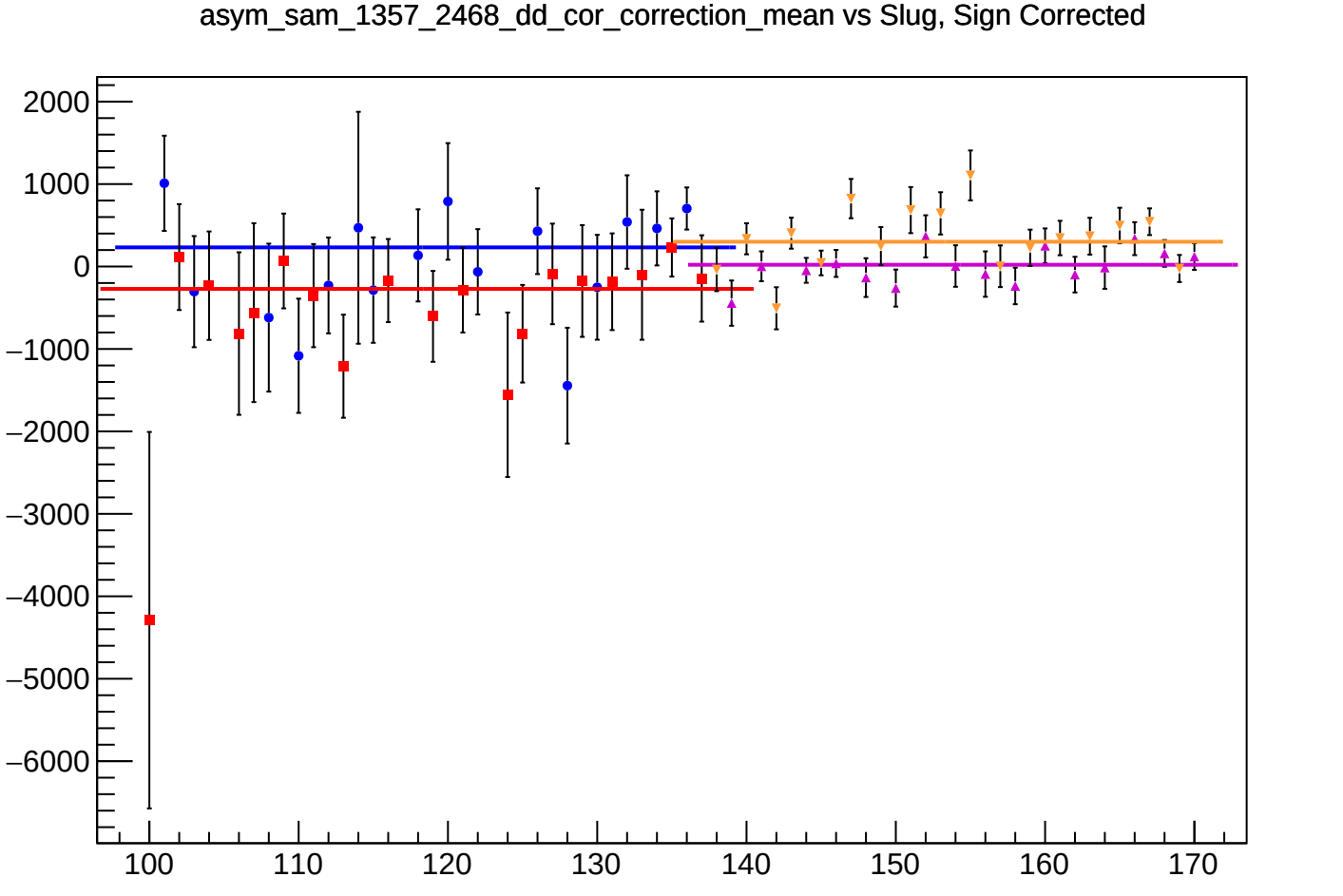
Left: 19.862+/-0.003 χ^2/NDF: 213368.9/32

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

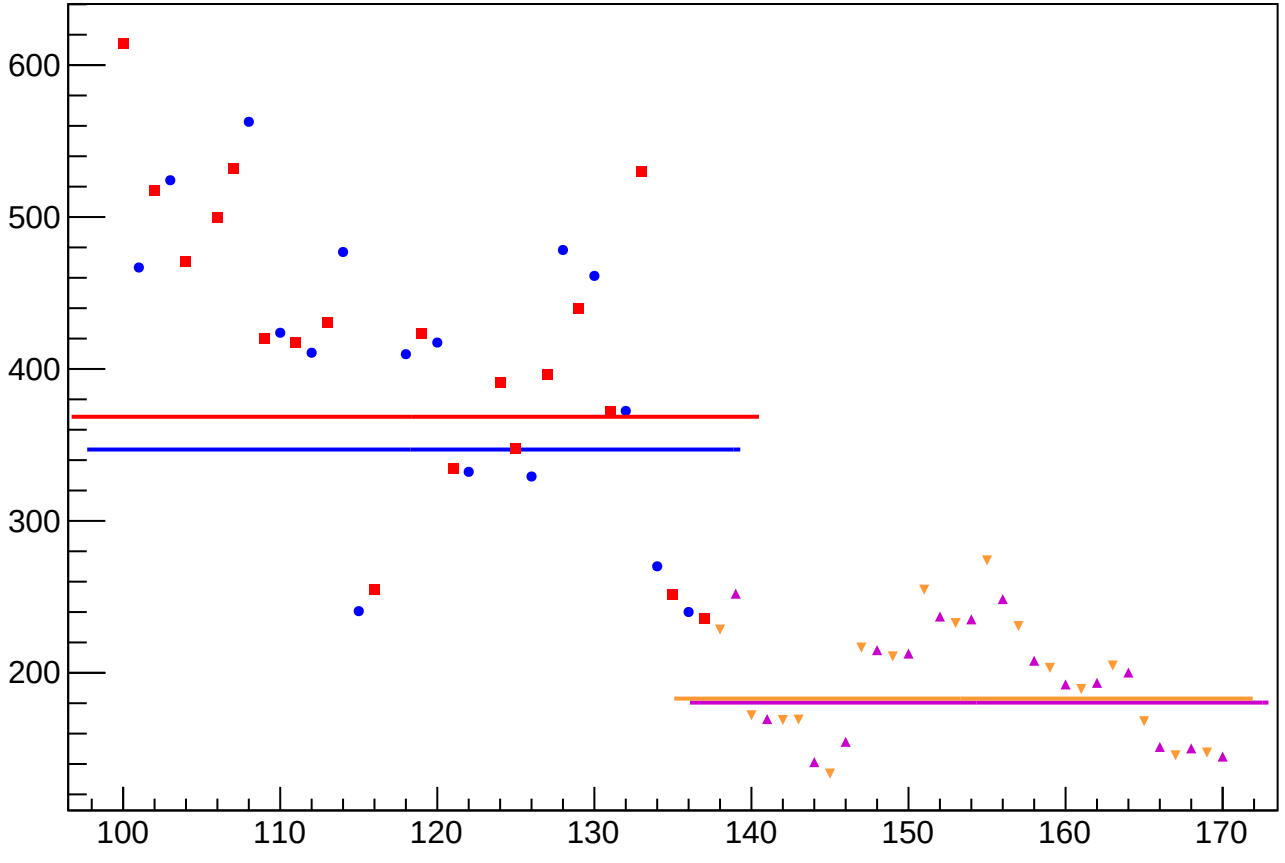
In: 21.291+/-0.003 χ^2/NDF:1394685.6/31

Out: 21.489+/-0.003 χ^2/NDF:1638344.7/35

All: 21.390+/-0.002 χ^2/NDF: 3034711.5/67


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 300.599+/-51.155 χ²/NDF:39.2/16
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: 21.098+/-50.756 χ²/NDF:13.6/15
Left: 159.757+/-36.030 χ²/NDF: 67.8/32
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 47.272+/-47.504 χ²/NDF:35.4/31
Out: 233.380+/-48.055 χ²/NDF:65.5/35
All: 139.253+/-33.784 χ²/NDF: 108.5/67

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: 183.047+/-0.036 χ^2/NDF:1075856.8/16

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 180.412+/-0.036 χ^2/NDF:993832.9/15

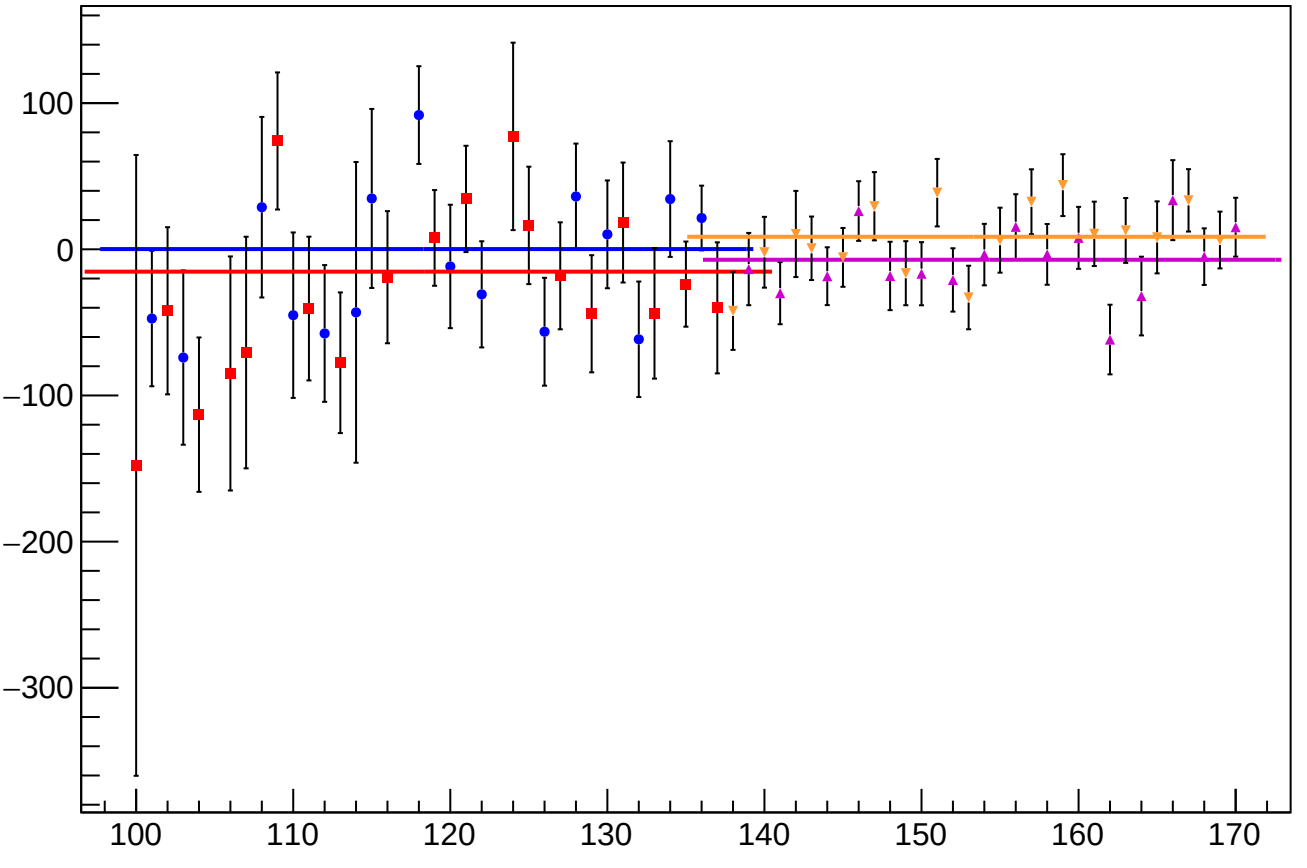
Left: 181.719+/-0.025 χ^2/NDF: 2072365.3/32

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 201.074+/-0.034 χ^2/NDF:4723650.8/31

Out: 204.846+/-0.034 χ^2/NDF:5066501.1/35

All: 202.938+/-0.024 χ^2/NDF: 9796382.6/67



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 8.577+/-5.453 χ^2/NDF:17.3/16

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.154+/-5.478 χ^2/NDF:16.2/15

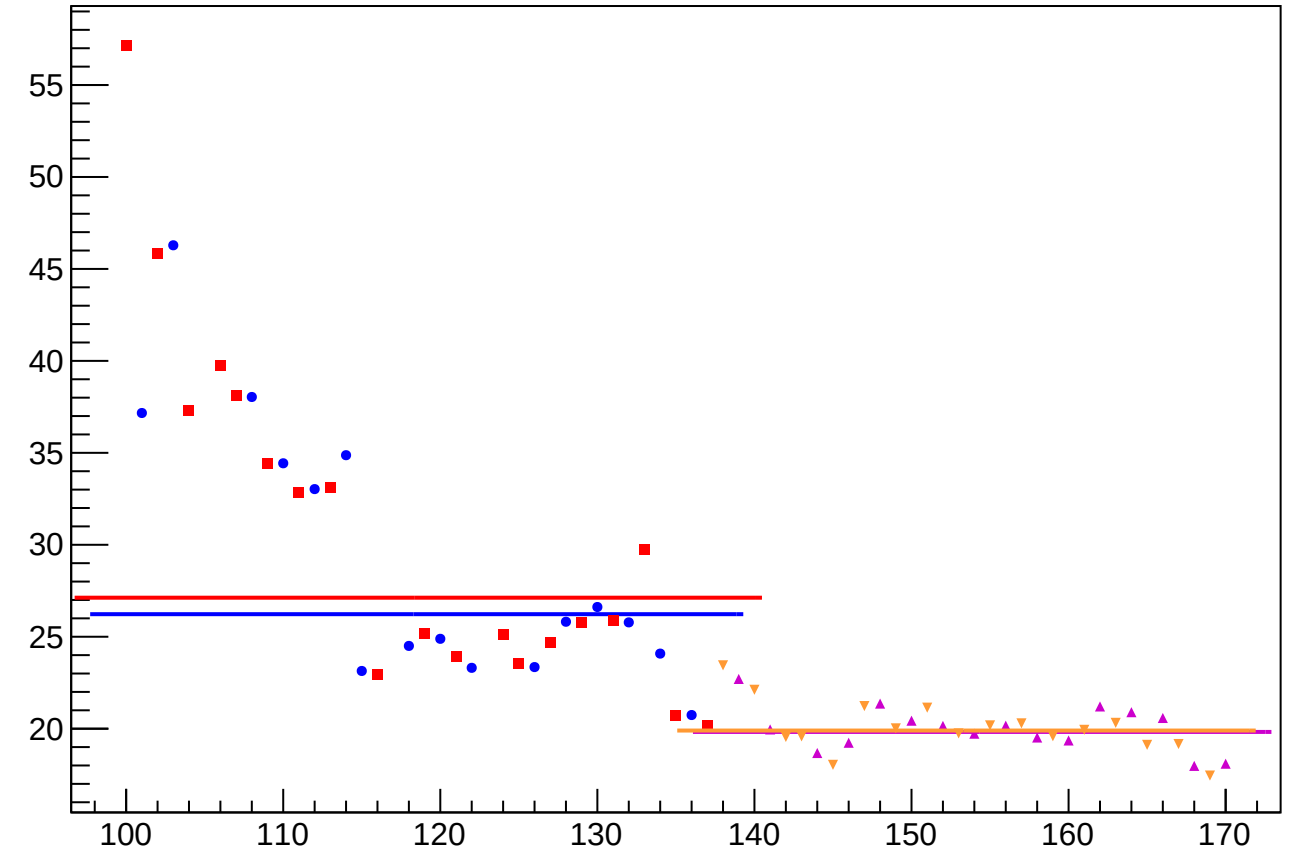
Left: 0.747+/-3.865 χ^2/NDF: 37.6/32

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 3.326+/-4.816 χ^2/NDF:39.4/35

All: -1.082+/-3.403 χ^2/NDF: 79.0/67



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.899+/-0.004 χ^2/NDF:120585.0/16

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

Left: 19.862+/-0.003 χ^2/NDF: 213368.9/32

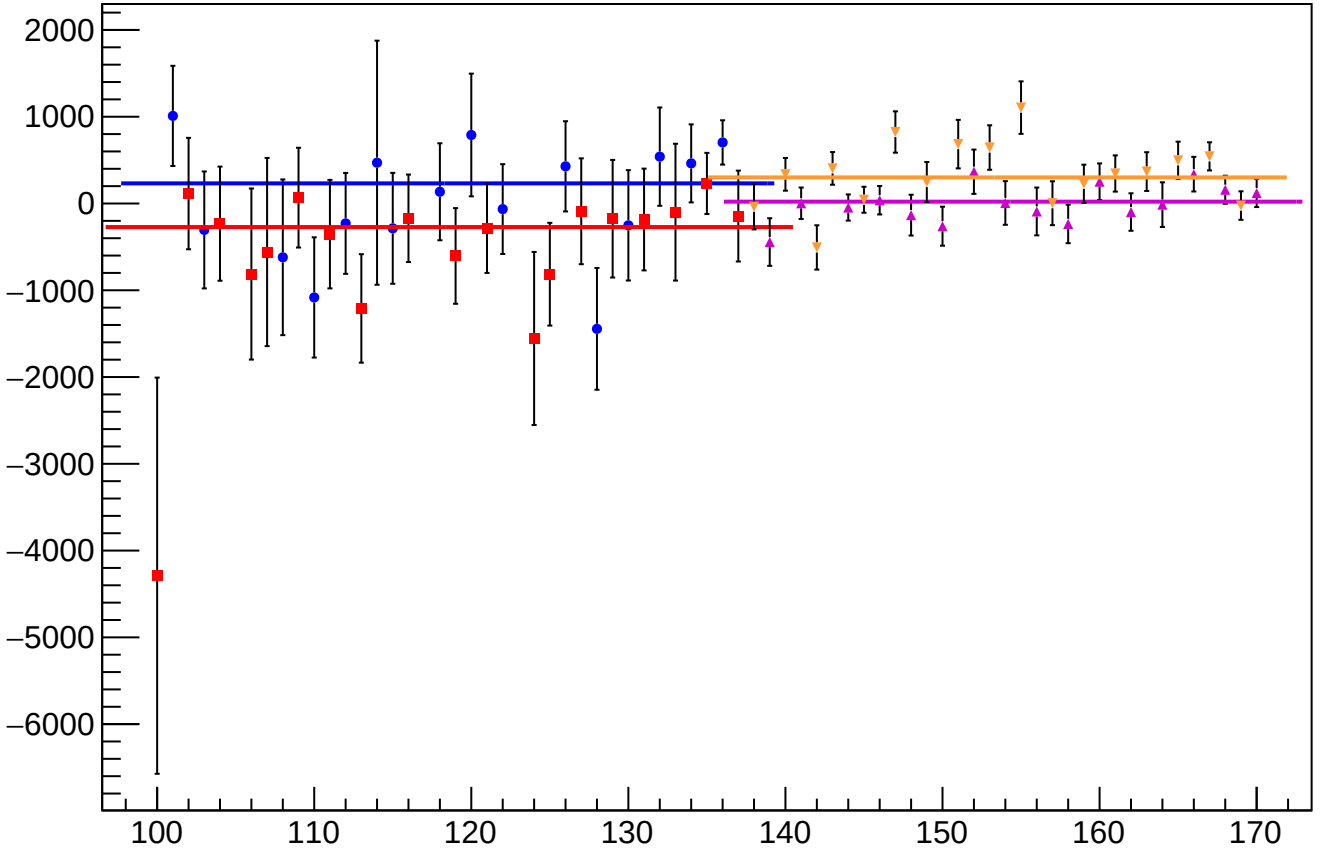
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.291+/-0.003 χ^2/NDF:1394685.6/31

Out: 21.489+/-0.003 χ^2/NDF:1638344.7/35

All: 21.390+/-0.002 χ^2/NDF: 3034711.5/67

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 300.599+/-51.155 χ^2/NDF:39.2/16

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 21.098+/-50.756 χ^2/NDF:13.6/15

Left: 159.757+/-36.030 χ^2/NDF: 67.8/32

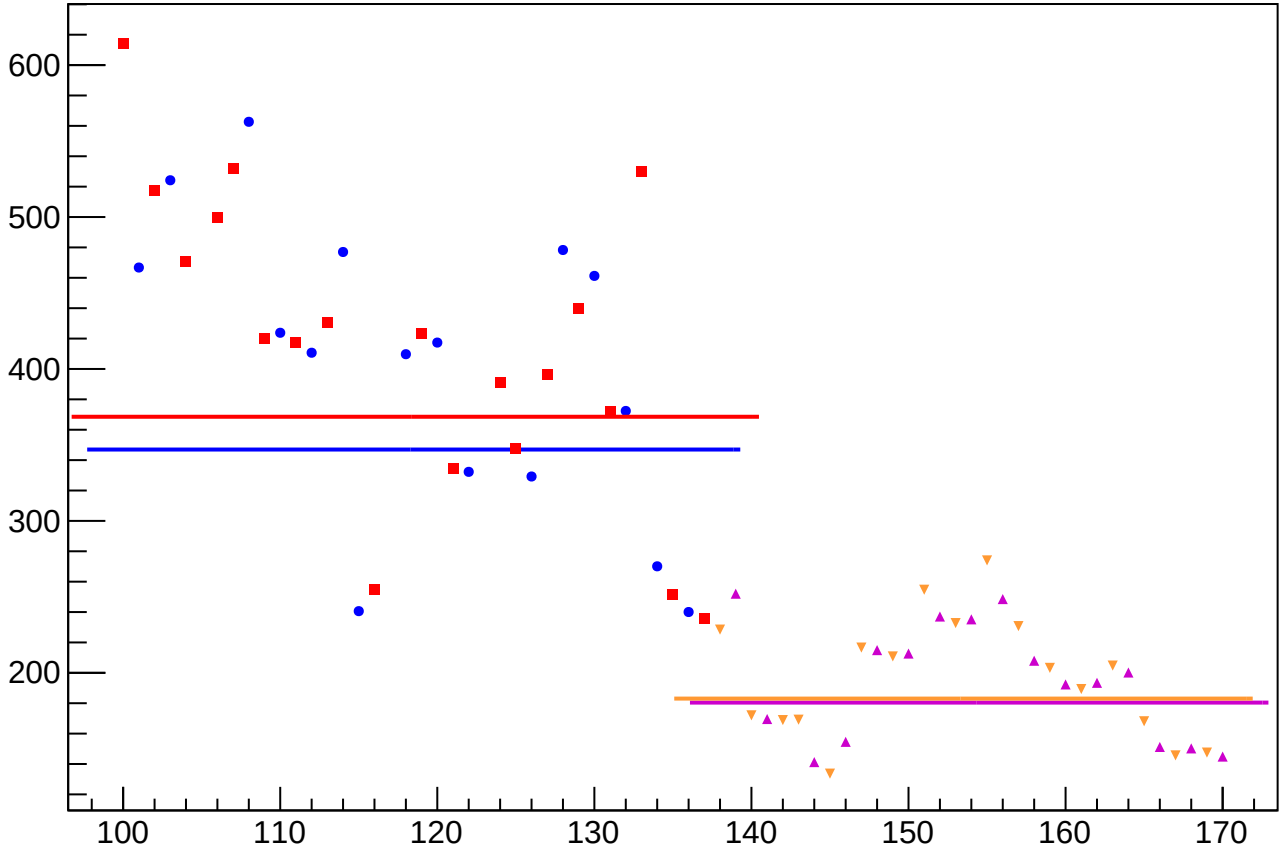
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 47.272+/-47.504 χ^2/NDF:35.4/31

Out: 233.380+/-48.055 χ^2/NDF:65.5/35

All: 139.253+/-33.784 χ^2/NDF: 108.5/67

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: 183.047+/-0.036 χ^2/NDF:1075856.8/16

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 180.412+/-0.036 χ^2/NDF:993832.9/15

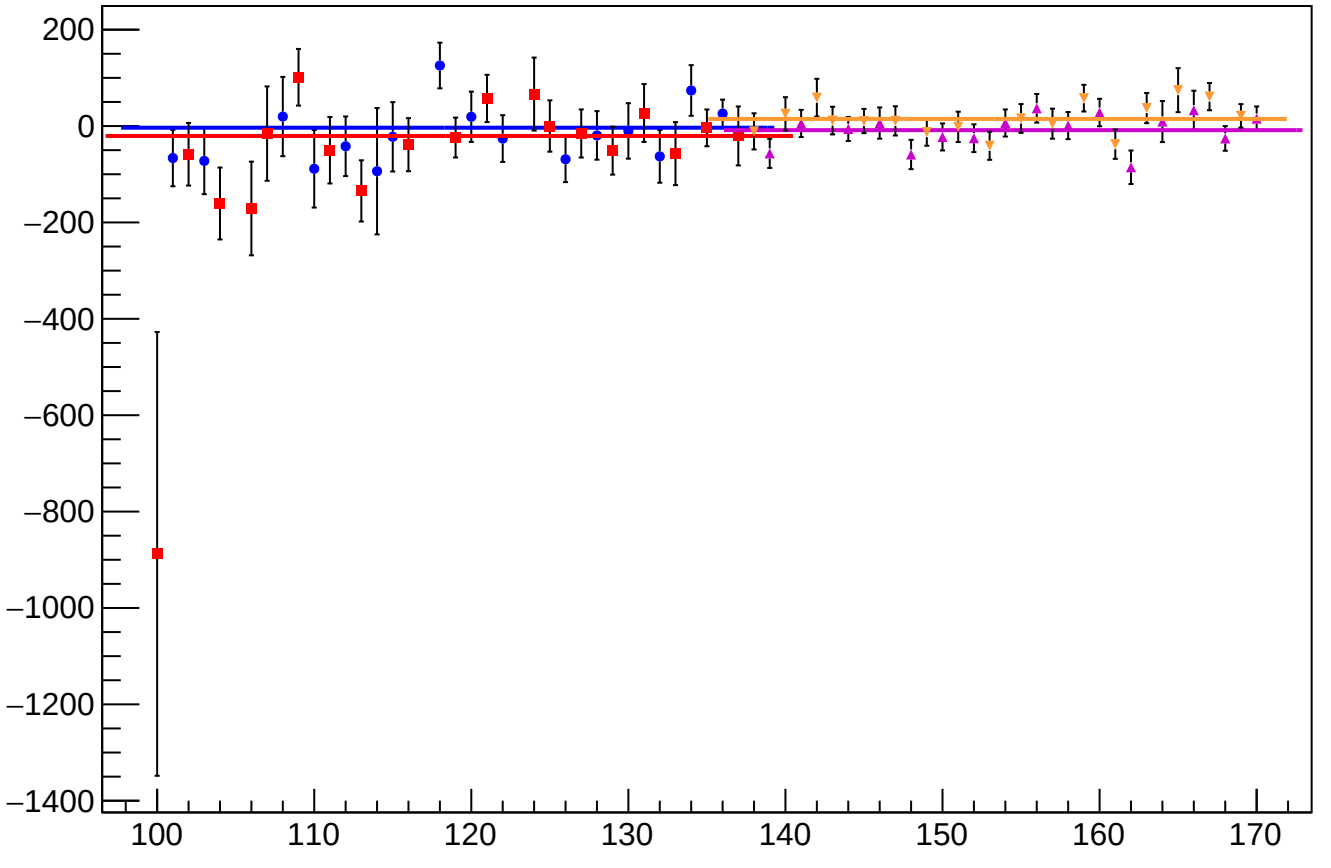
Left: 181.719+/-0.025 χ^2/NDF: 2072365.3/32

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 201.074+/-0.034 χ^2/NDF:4723650.8/31

Out: 204.846+/-0.034 χ^2/NDF:5066501.1/35

All: 202.938+/-0.024 χ^2/NDF: 9796382.6/67



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 14.741+/-7.351 χ^2/NDF:17.2/16

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -8.499+/-7.367 χ^2/NDF:18.2/15

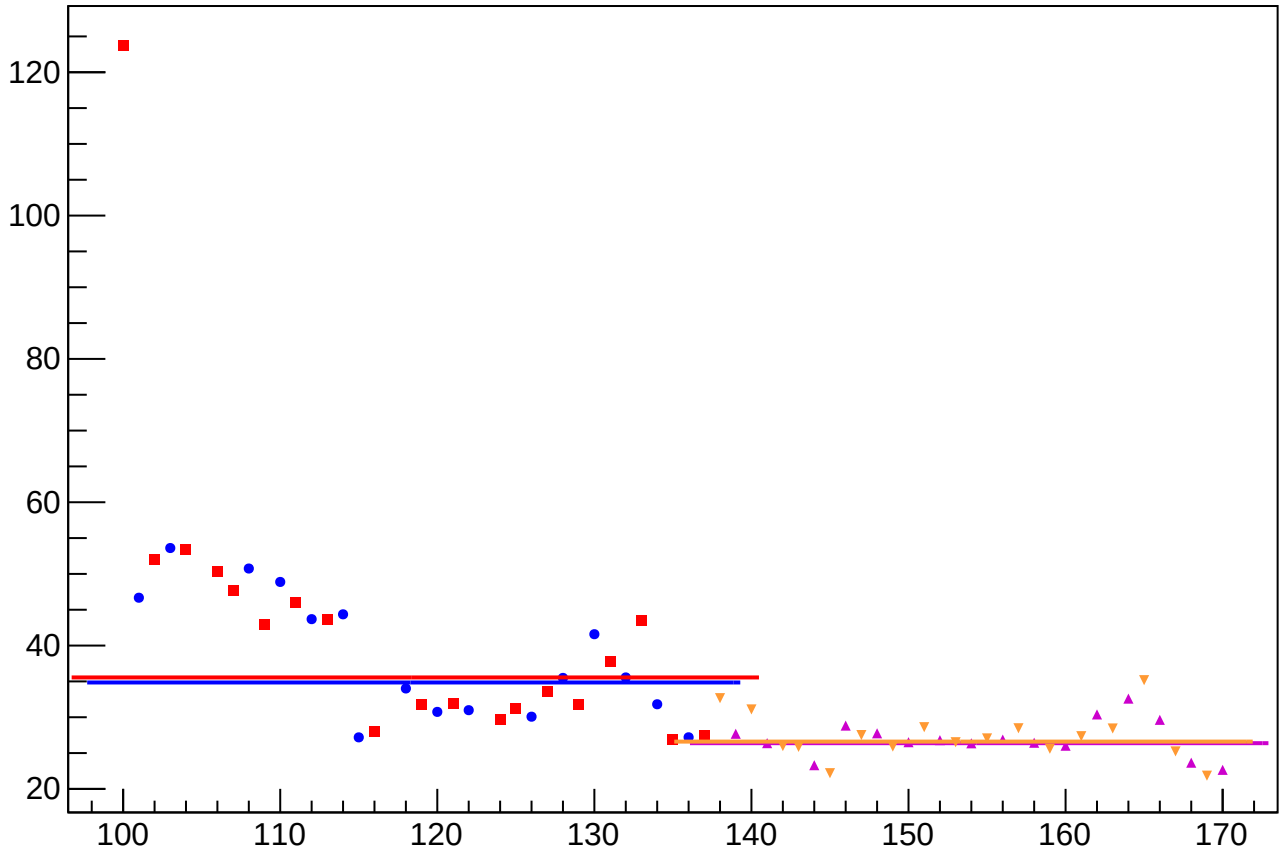
Left: 3.147+/-5.204 χ^2/NDF: 40.4/32

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.320+/-6.455 χ^2/NDF:36.7/31

Out: 6.643+/-6.453 χ^2/NDF:45.6/35

All: -0.336+/-4.564 χ^2/NDF: 84.7/67



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.601+/-0.005 χ^2/NDF:330500.9/16

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.380+/-0.005 χ^2/NDF:198685.4/15

Left: 26.491+/-0.004 χ^2/NDF: 530083.2/32

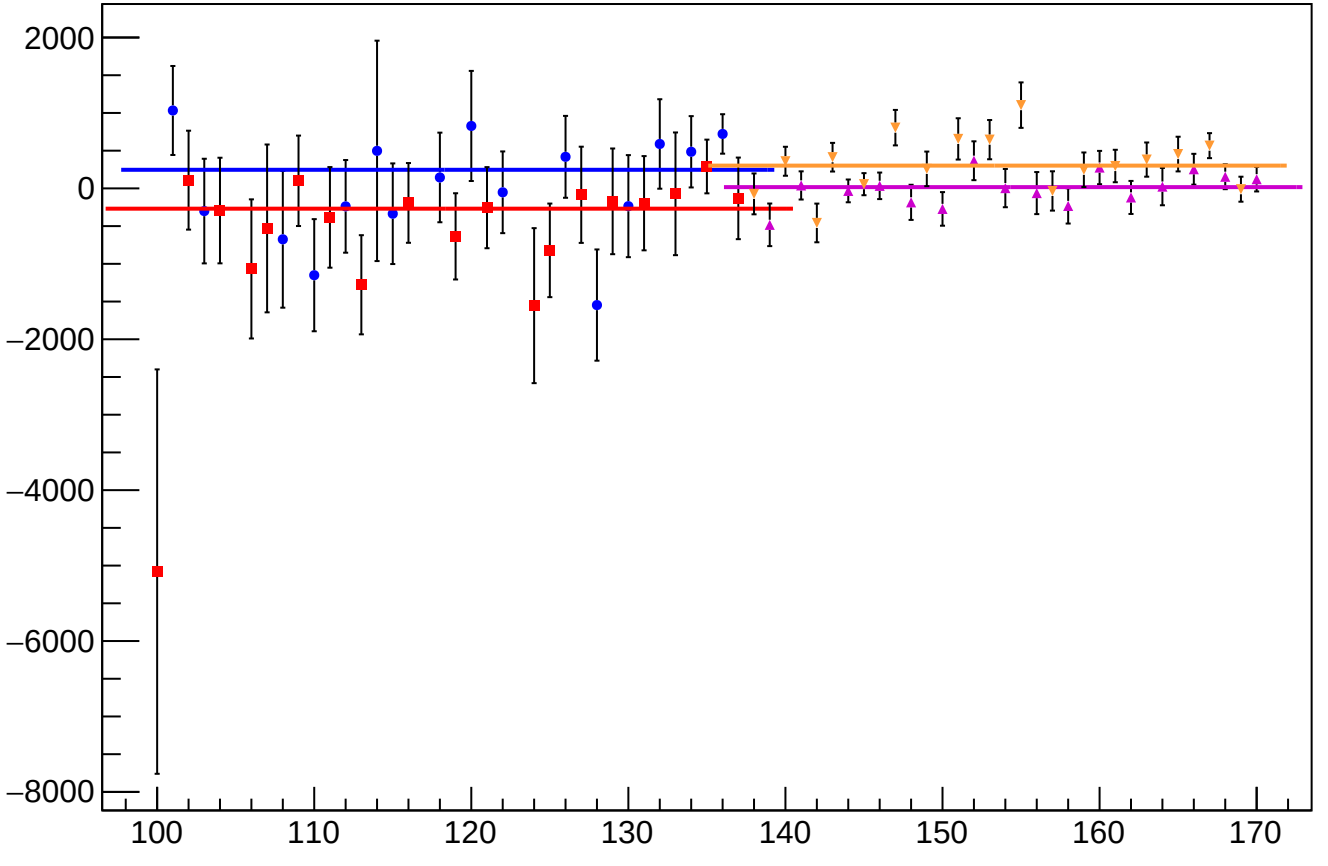
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.348+/-0.005 χ^2/NDF:1470988.4/31

Out: 28.654+/-0.005 χ^2/NDF:1790726.8/35

All: 28.501+/-0.003 χ^2/NDF: 3263958.1/67

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 301.933+/-51.761 χ^2/NDF:37.5/16

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 16.822+/-51.700 χ^2/NDF:13.0/15

Left: 159.210+/-36.579 χ^2/NDF: 65.7/32

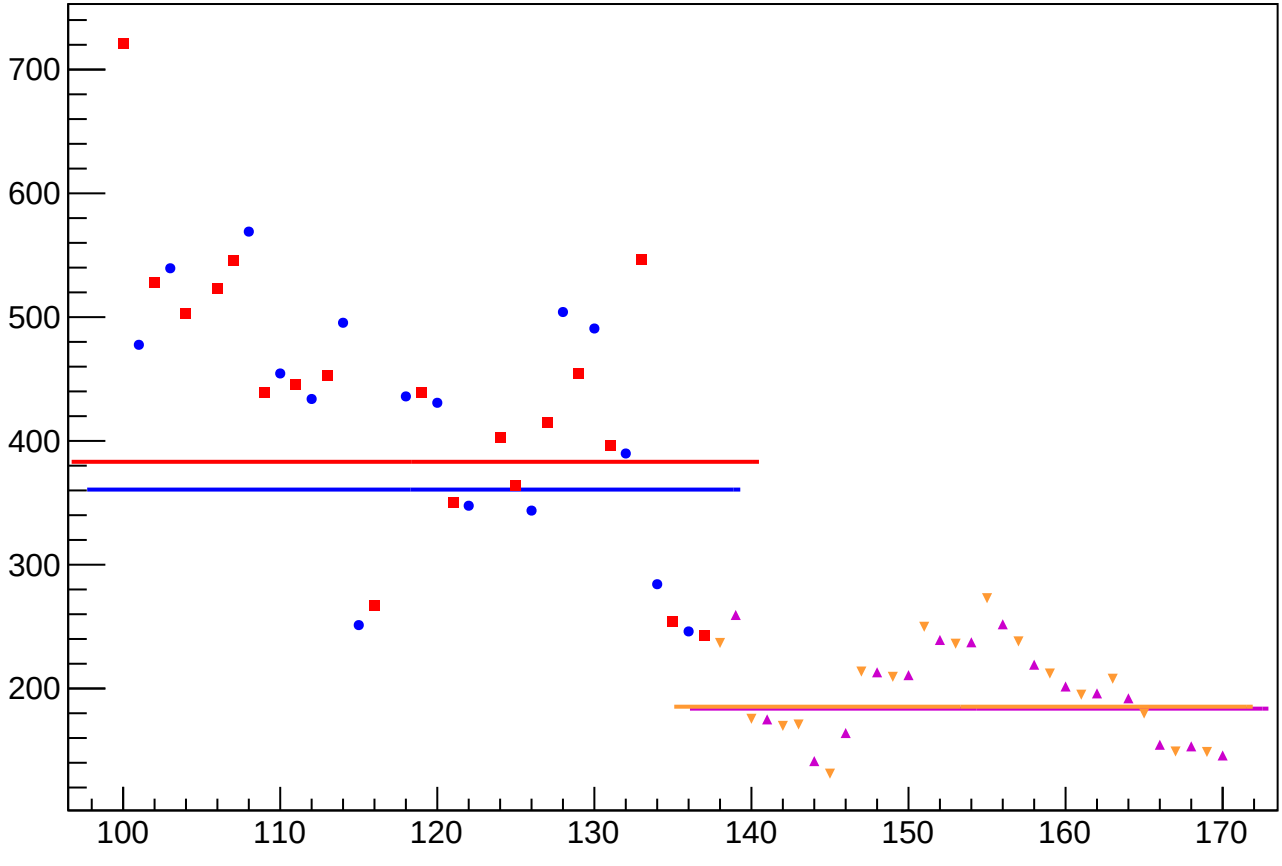
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 44.291+/-48.510 χ^2/NDF:35.1/31

Out: 237.644+/-48.759 χ^2/NDF:63.8/35

All: 140.473+/-34.390 χ^2/NDF: 106.8/67

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: 185.303+/-0.037 χ^2/NDF:1104982.5/16

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 183.728+/-0.037 χ^2/NDF:979121.3/15

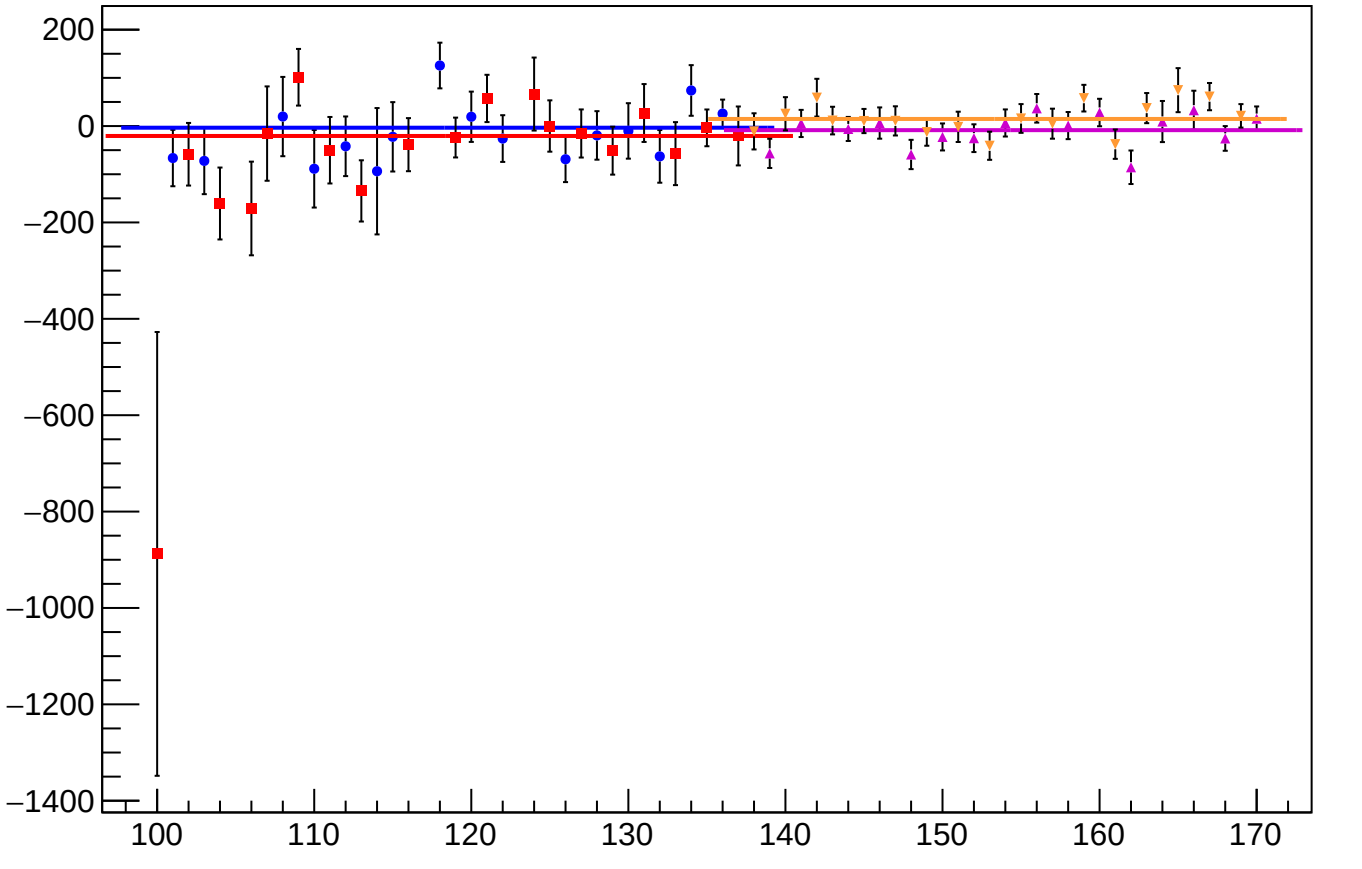
Left: 184.515+/-0.026 χ^2/NDF: 2085030.8/32

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 204.892+/-0.034 χ^2/NDF:4874236.7/31

Out: 207.583+/-0.034 χ^2/NDF:5358236.1/35

All: 206.231+/-0.024 χ^2/NDF: 10235533.2/67



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 14.741+/-7.351 χ^2/NDF:17.2/16

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -8.499+/-7.367 χ^2/NDF:18.2/15

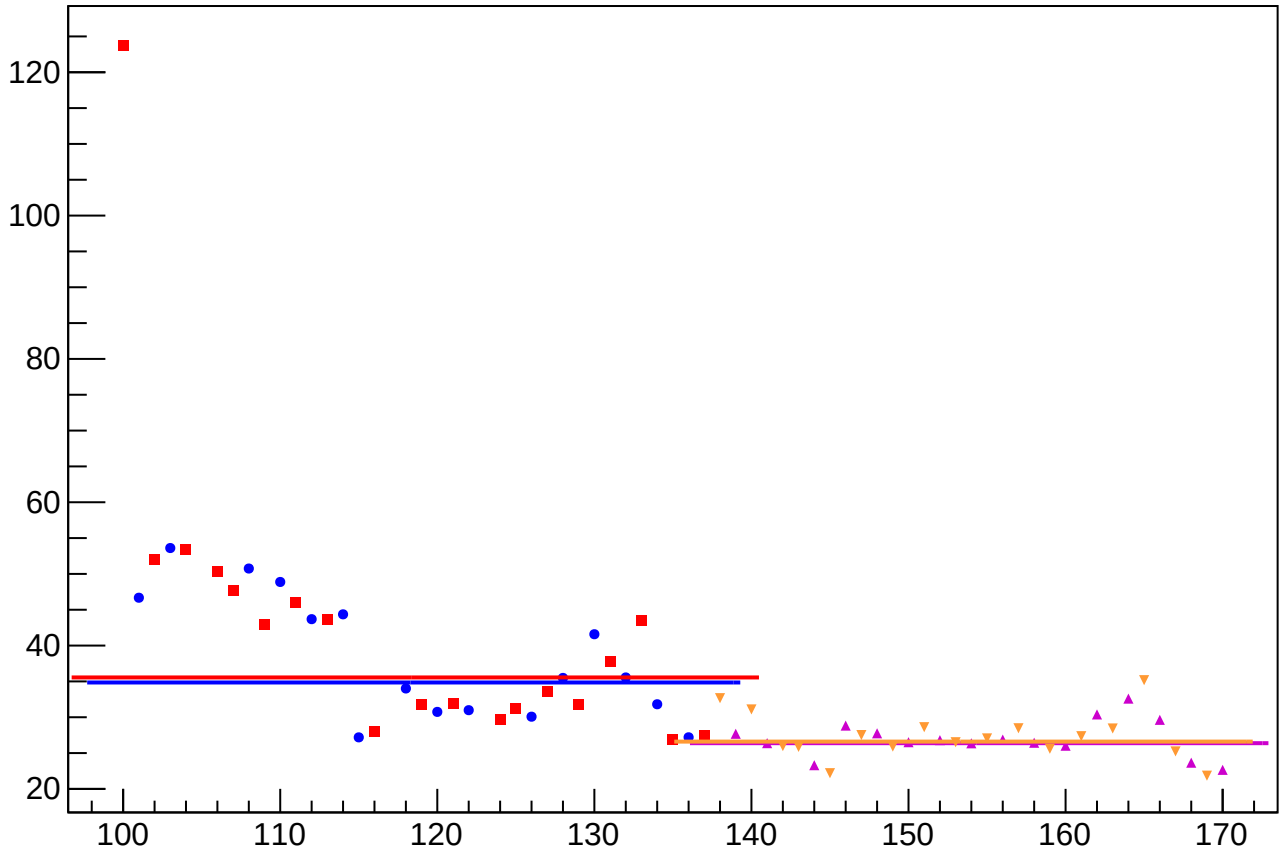
Left: 3.147+/-5.204 χ^2/NDF: 40.4/32

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.320+/-6.455 χ^2/NDF:36.7/31

Out: 6.643+/-6.453 χ^2/NDF:45.6/35

All: -0.336+/-4.564 χ^2/NDF: 84.7/67



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.601+/-0.005 χ^2/NDF:330488.0/16

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.380+/-0.005 χ^2/NDF:198683.4/15

Left: 26.491+/-0.004 χ^2/NDF: 530068.5/32

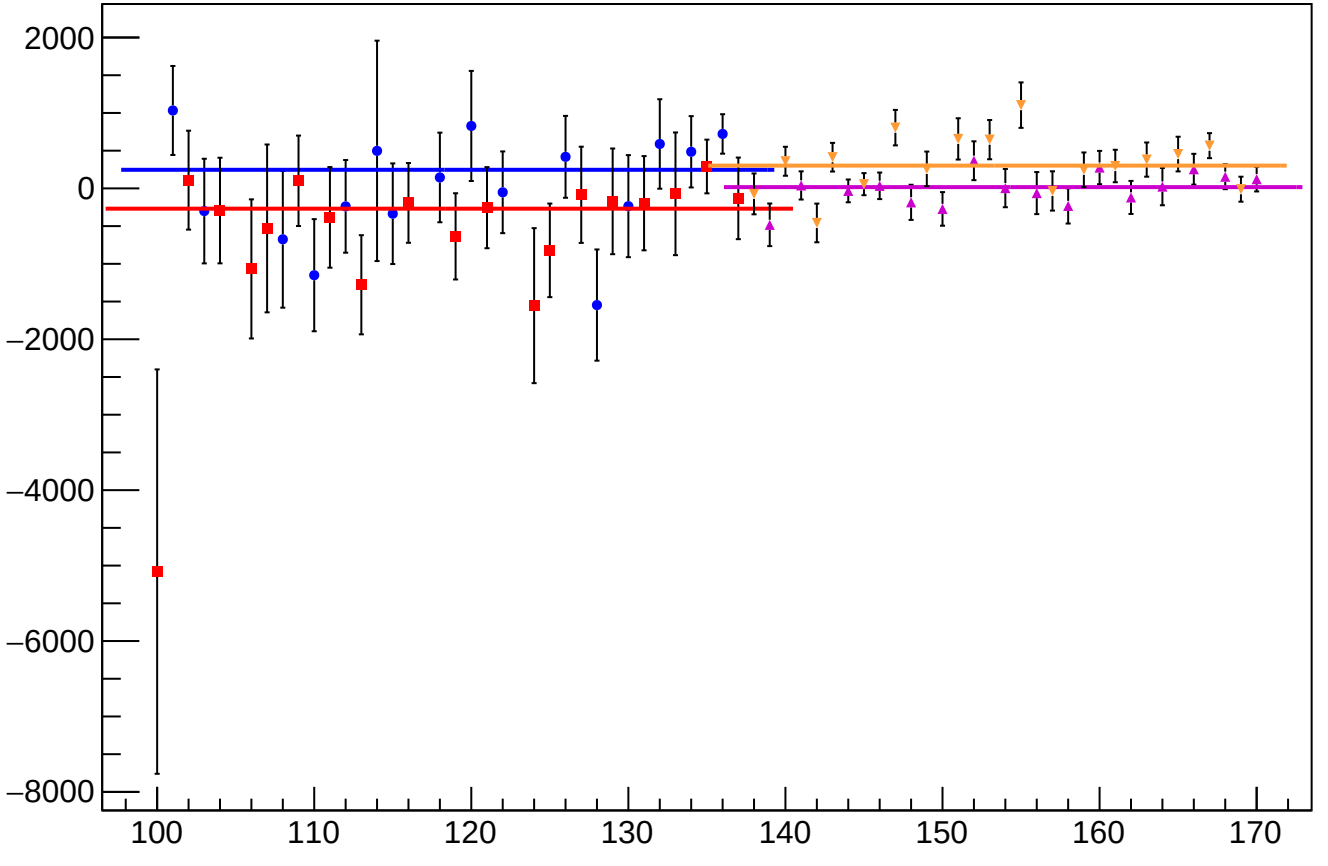
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.348+/-0.005 χ^2/NDF:1470866.8/31

Out: 28.654+/-0.005 χ^2/NDF:1790619.6/35

All: 28.501+/-0.003 χ^2/NDF: 3263729.8/67

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: 301.932+/-51.761 χ^2/NDF:37.5/16

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 16.823+/-51.700 χ^2/NDF:13.0/15

Left: 159.210+/-36.579 χ^2/NDF: 65.7/32

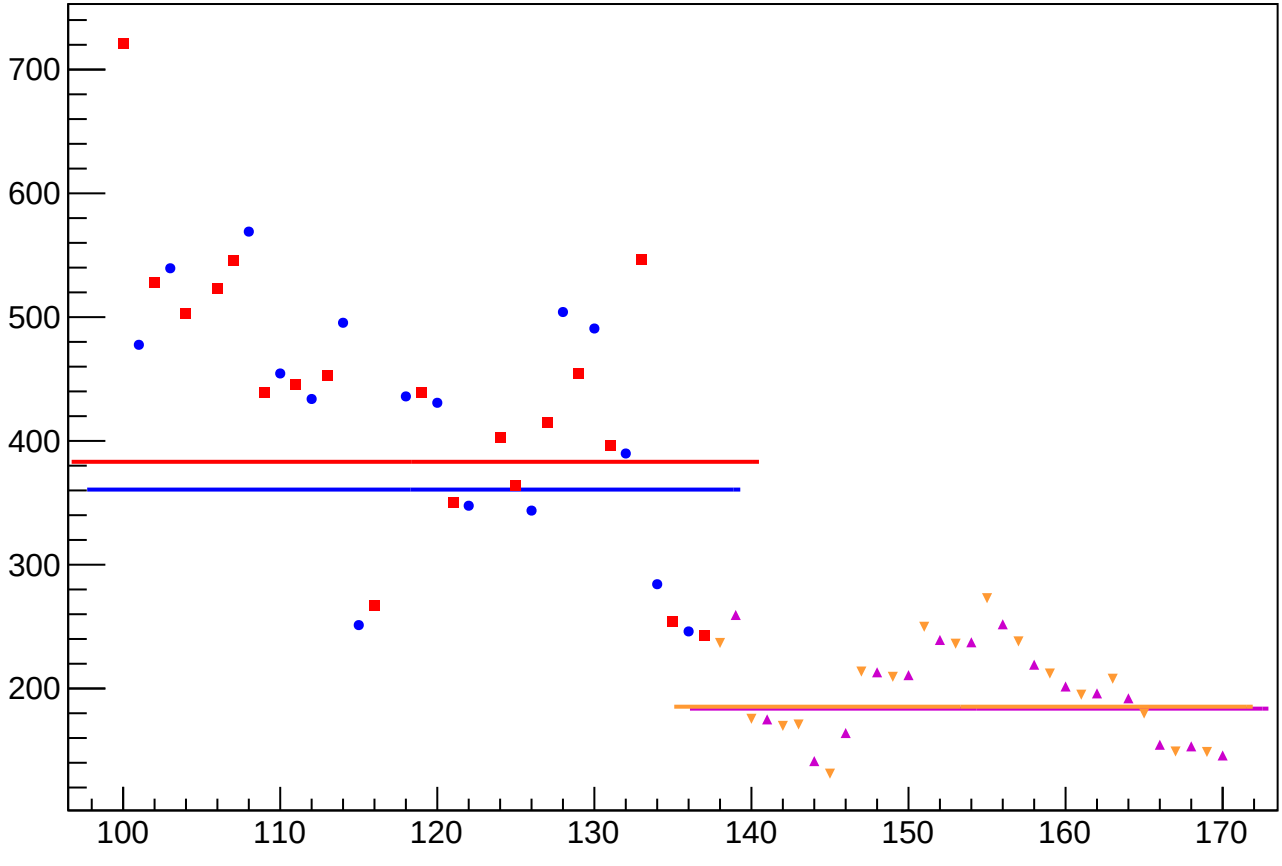
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 44.291+/-48.510 χ^2/NDF:35.1/31

Out: 237.643+/-48.759 χ^2/NDF:63.8/35

All: 140.472+/-34.390 χ^2/NDF: 106.8/67

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: 185.303+/-0.037 χ^2/NDF:1105011.6/16

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 183.728+/-0.037 χ^2/NDF:979139.0/15

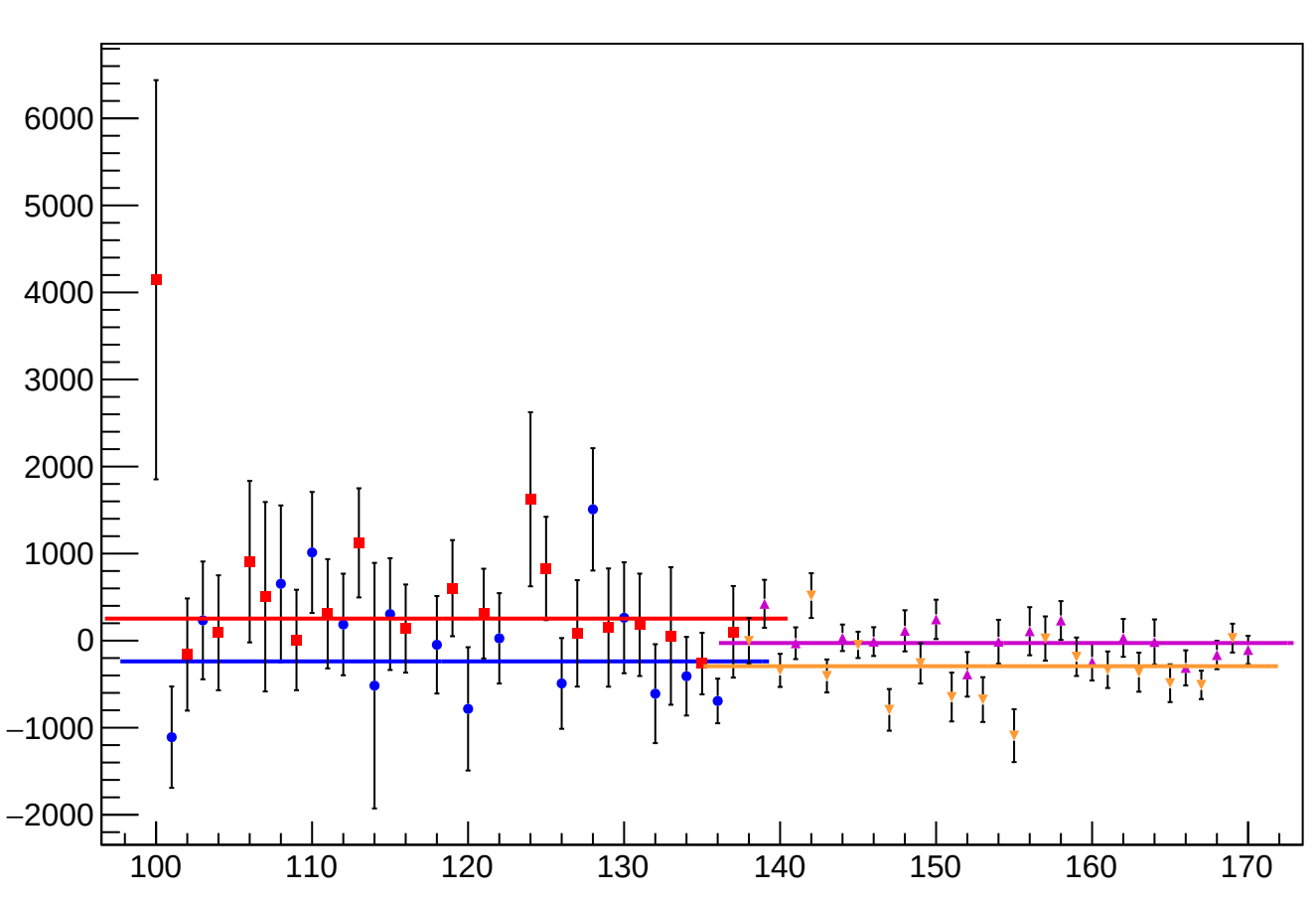
Left: 184.514+/-0.026 χ^2/NDF: 2085077.6/32

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 204.892+/-0.034 χ^2/NDF:4874254.3/31

Out: 207.582+/-0.034 χ^2/NDF:5358271.1/35

All: 206.230+/-0.024 χ^2/NDF: 10235585.6/67



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -293.234+/-51.484 χ^2/NDF:37.6/16

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: -27.243+/-51.091 χ^2/NDF:12.3/15

Left: -159.221+/-36.265 χ^2/NDF: 63.4/32

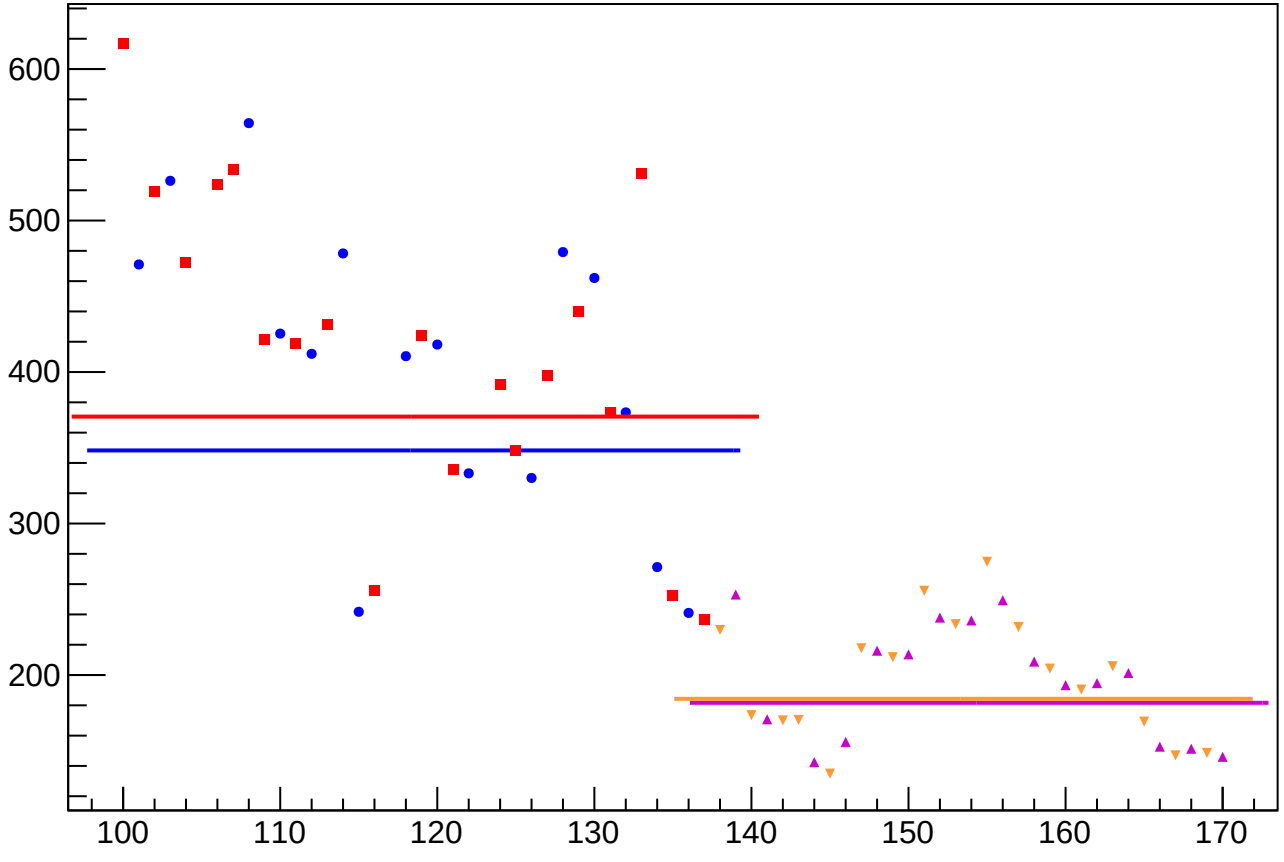
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -53.534+/-47.799 χ^2/NDF:34.4/31

Out: -228.450+/-48.337 χ^2/NDF:62.7/35

All: -140.014+/-33.988 χ^2/NDF: 103.7/67

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 184.300+/-0.036 χ^2/NDF:1057168.9/16

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 181.674+/-0.036 χ^2/NDF:975647.9/15

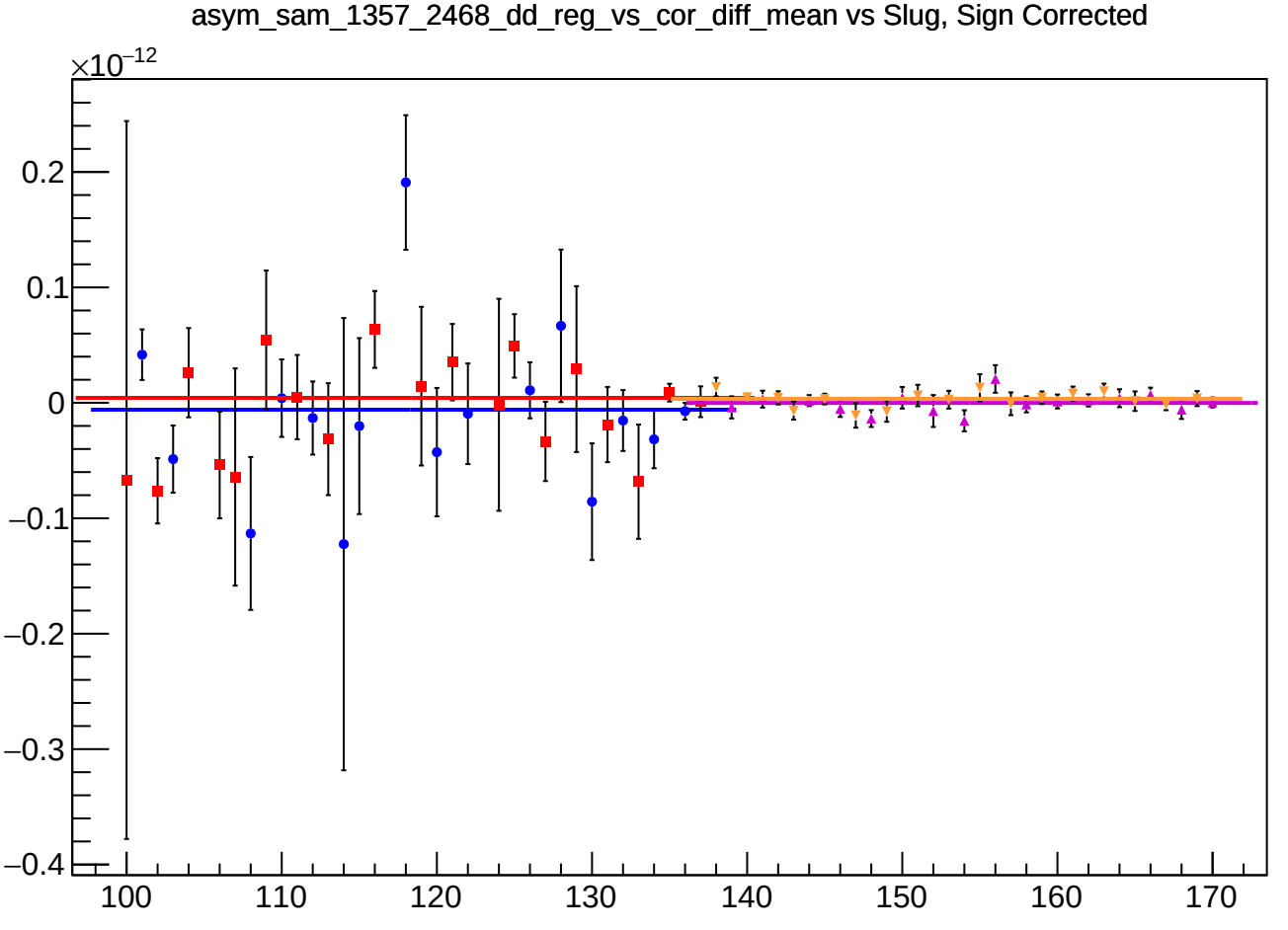
Left: 182.977+/-0.026 χ^2/NDF: 2035438.7/32

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 202.449+/-0.034 χ^2/NDF:4684059.7/31

Out: 206.376+/-0.034 χ^2/NDF:5078113.6/35

All: 204.391+/-0.024 χ^2/NDF: 9768845.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

Left: 0.000+/-0.000 χ^2/NDF: 25.6/32

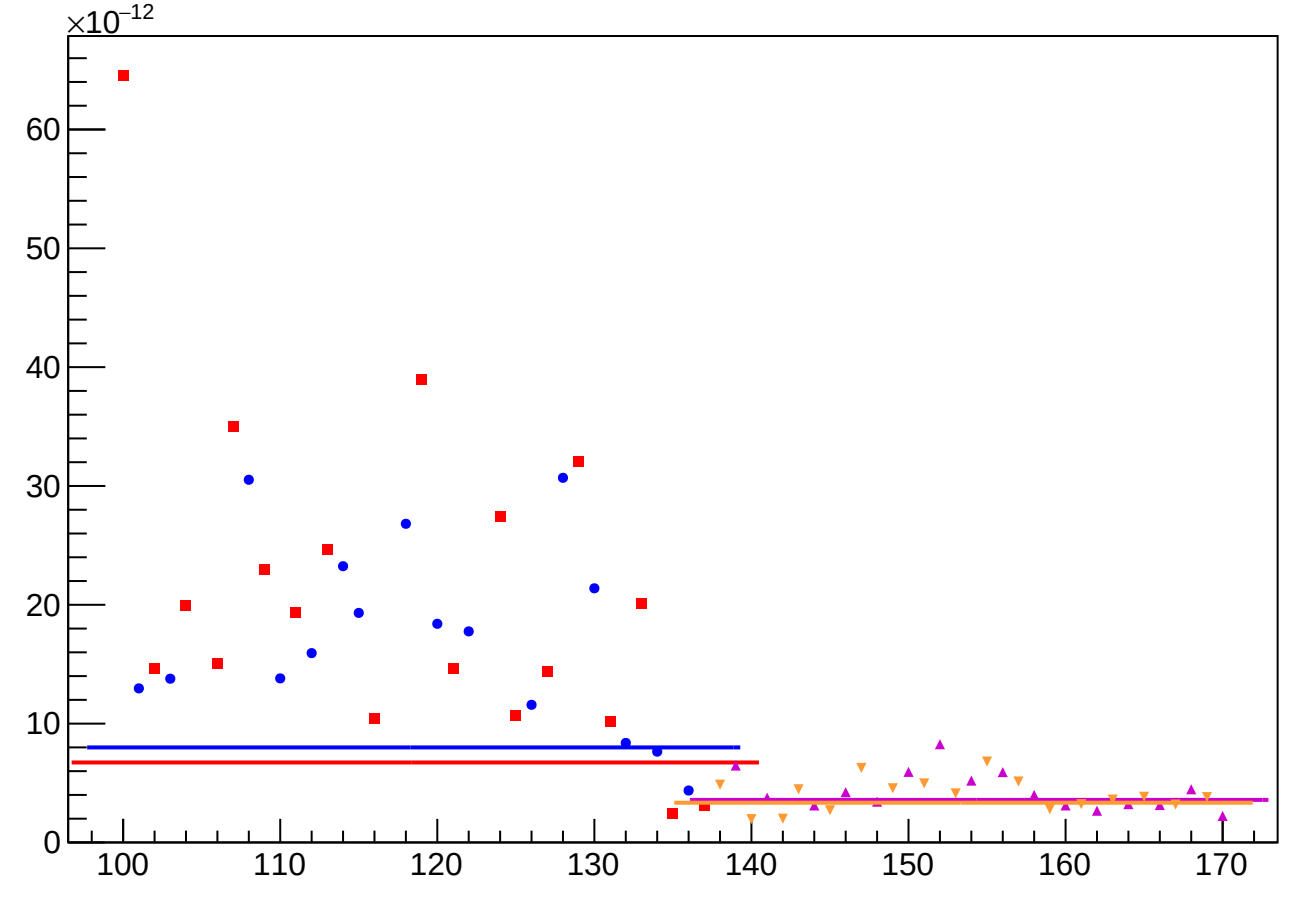
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:41.4/31

Out: 0.000+/-0.000 χ^2/NDF:33.1/35

All: 0.000+/-0.000 χ^2/NDF: 77.9/67

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1044109.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1029171.6/15

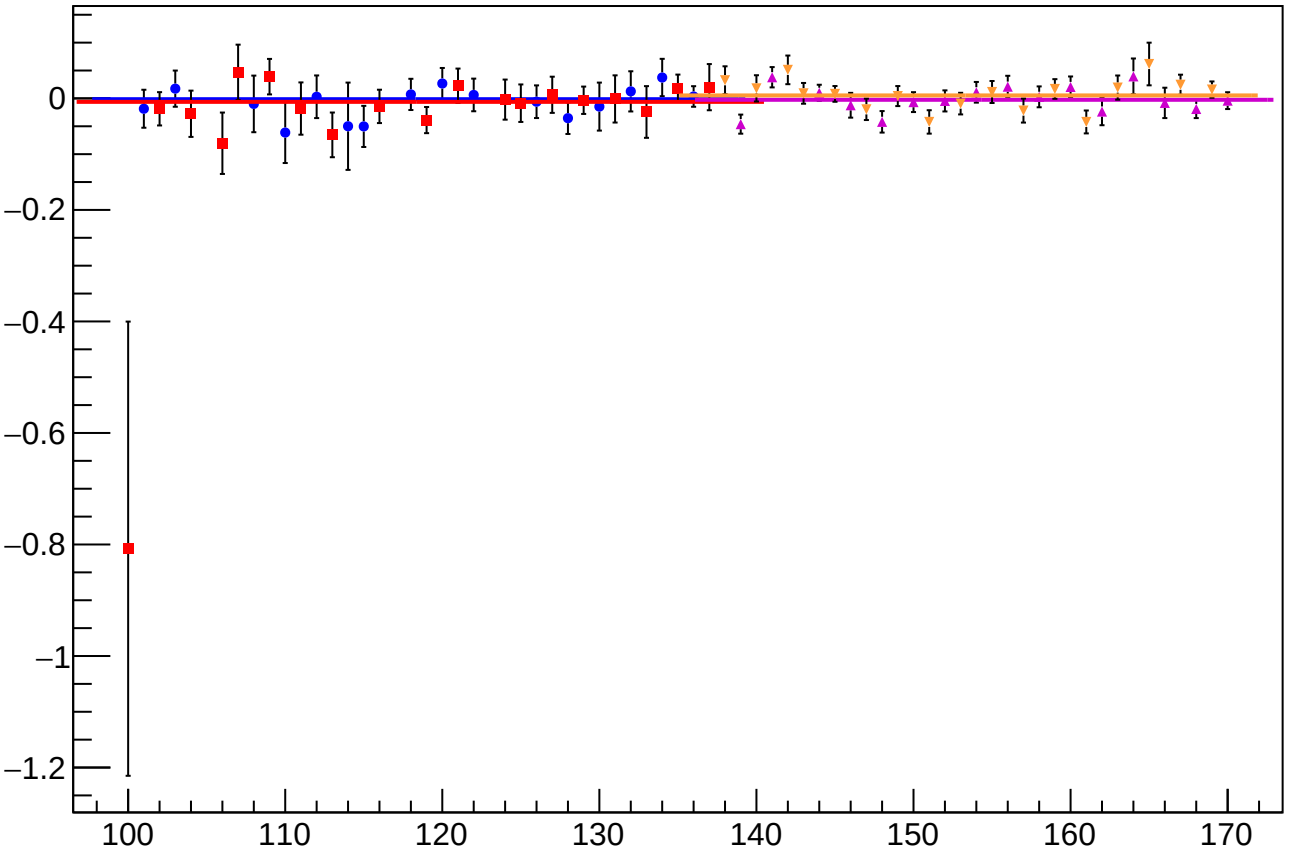
Left: 0.000+/-0.000 χ^2/NDF: 2094070.7/32

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4084102.7/31

Out: 0.000+/-0.000 χ^2/NDF:5109909.6/35

All: 0.000+/-0.000 χ^2/NDF: 9242441.4/67



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.005+/-0.005 χ^2/NDF:23.9/16

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.0/32

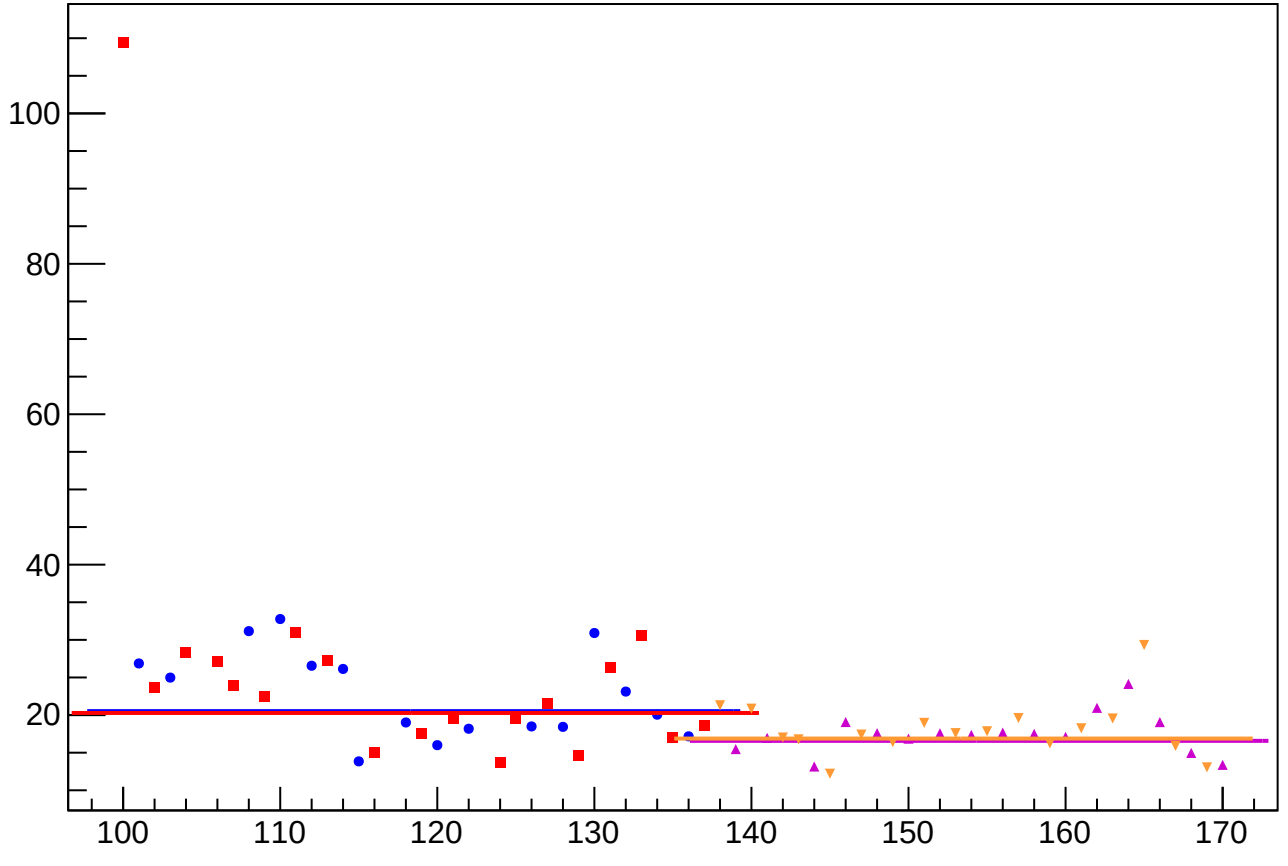
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.002+/-0.004 χ^2/NDF:41.7/35

All: 0.000+/-0.003 χ^2/NDF: 74.3/67

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:798625.8/16

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.573+/-0.003 χ^2/NDF:475954.0/15

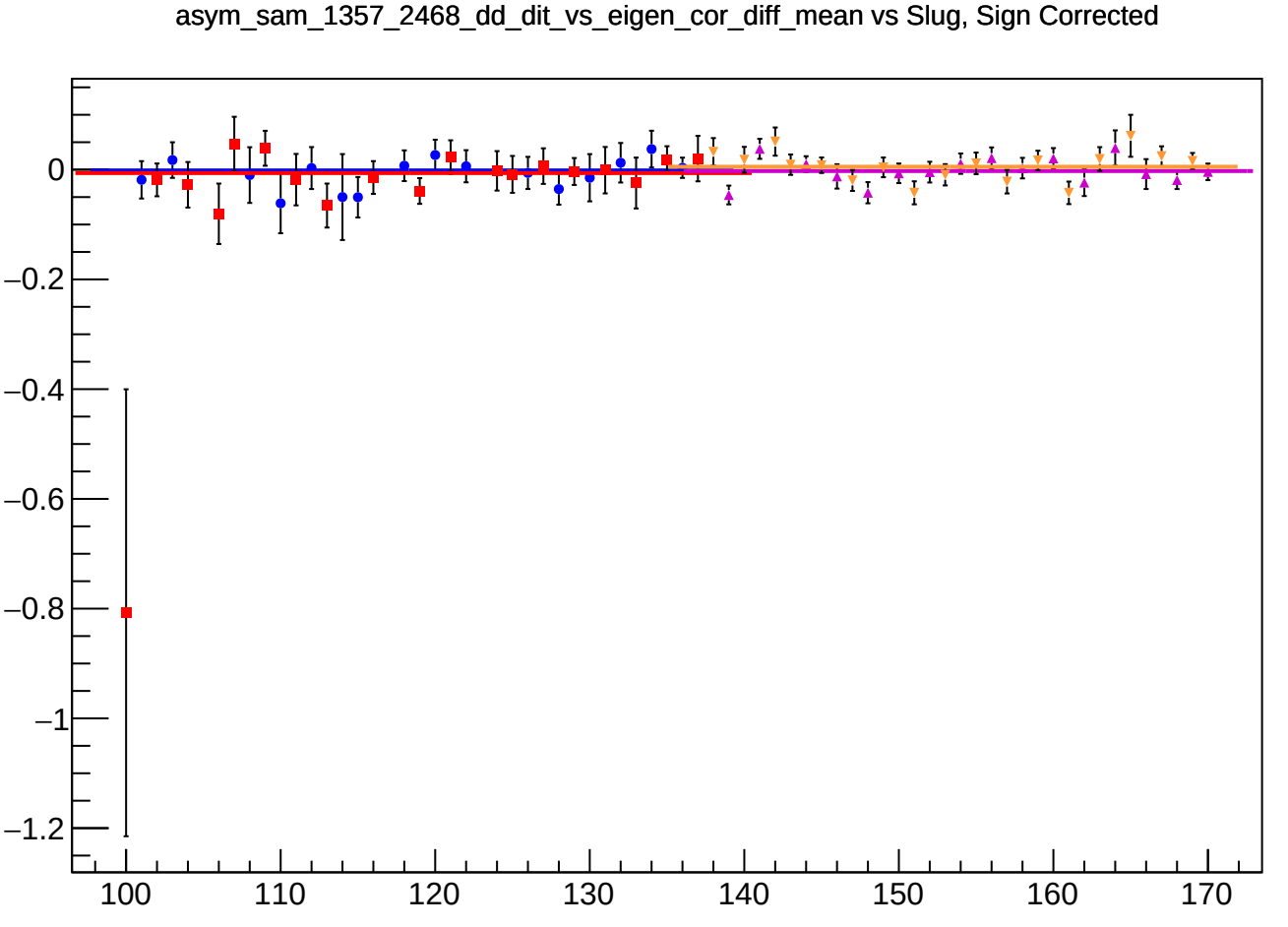
Left: 16.724+/-0.002 χ^2/NDF: 1278717.1/32

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.575+/-0.003 χ^2/NDF:1540102.1/31

Out: 17.781+/-0.003 χ^2/NDF:1936970.3/35

All: 17.678+/-0.002 χ^2/NDF: 3479632.7/67



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.005+/-0.005 χ^2/NDF:23.9/16

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.0/32

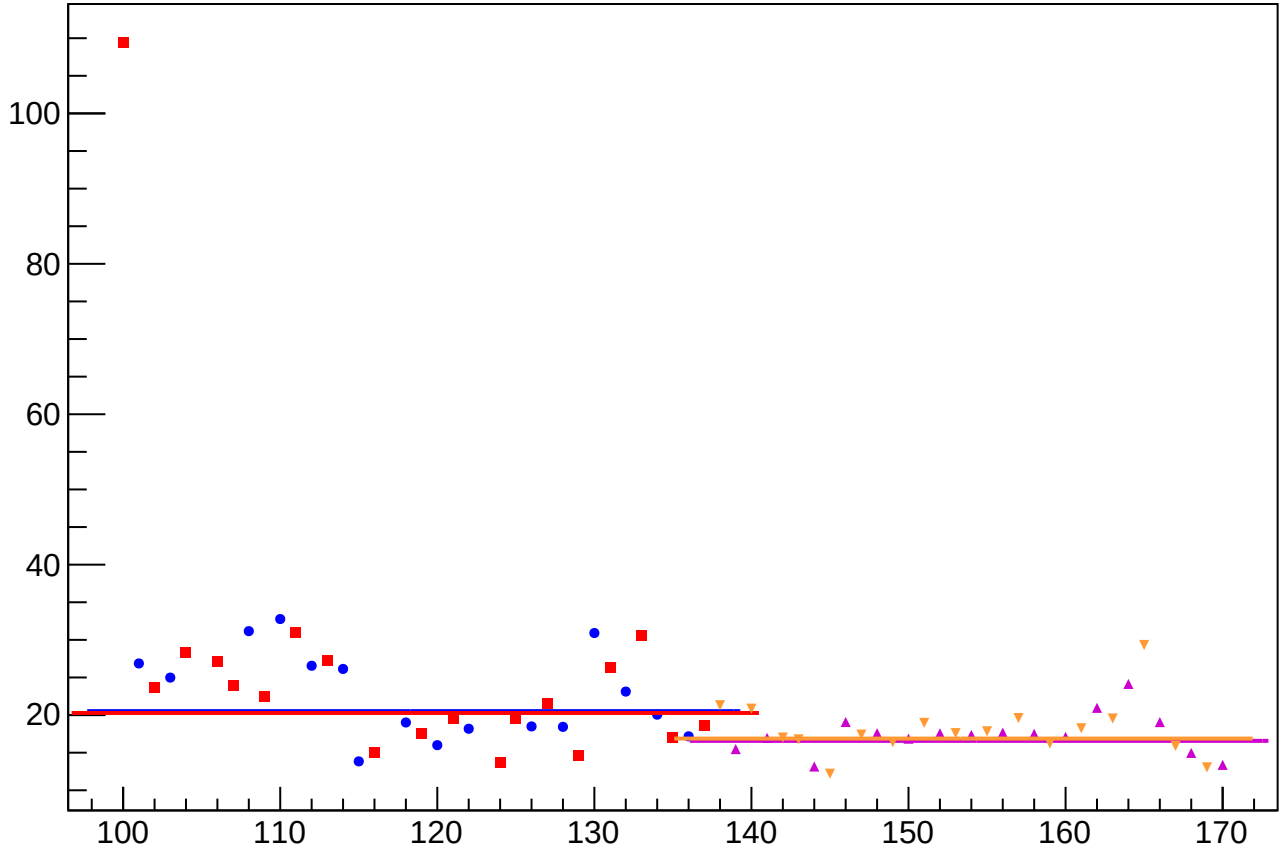
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.002+/-0.004 χ^2/NDF:41.7/35

All: 0.000+/-0.003 χ^2/NDF: 74.3/67

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.877+/-0.003 χ^2/NDF:798625.8/16

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.573+/-0.003 χ^2/NDF:475954.0/15

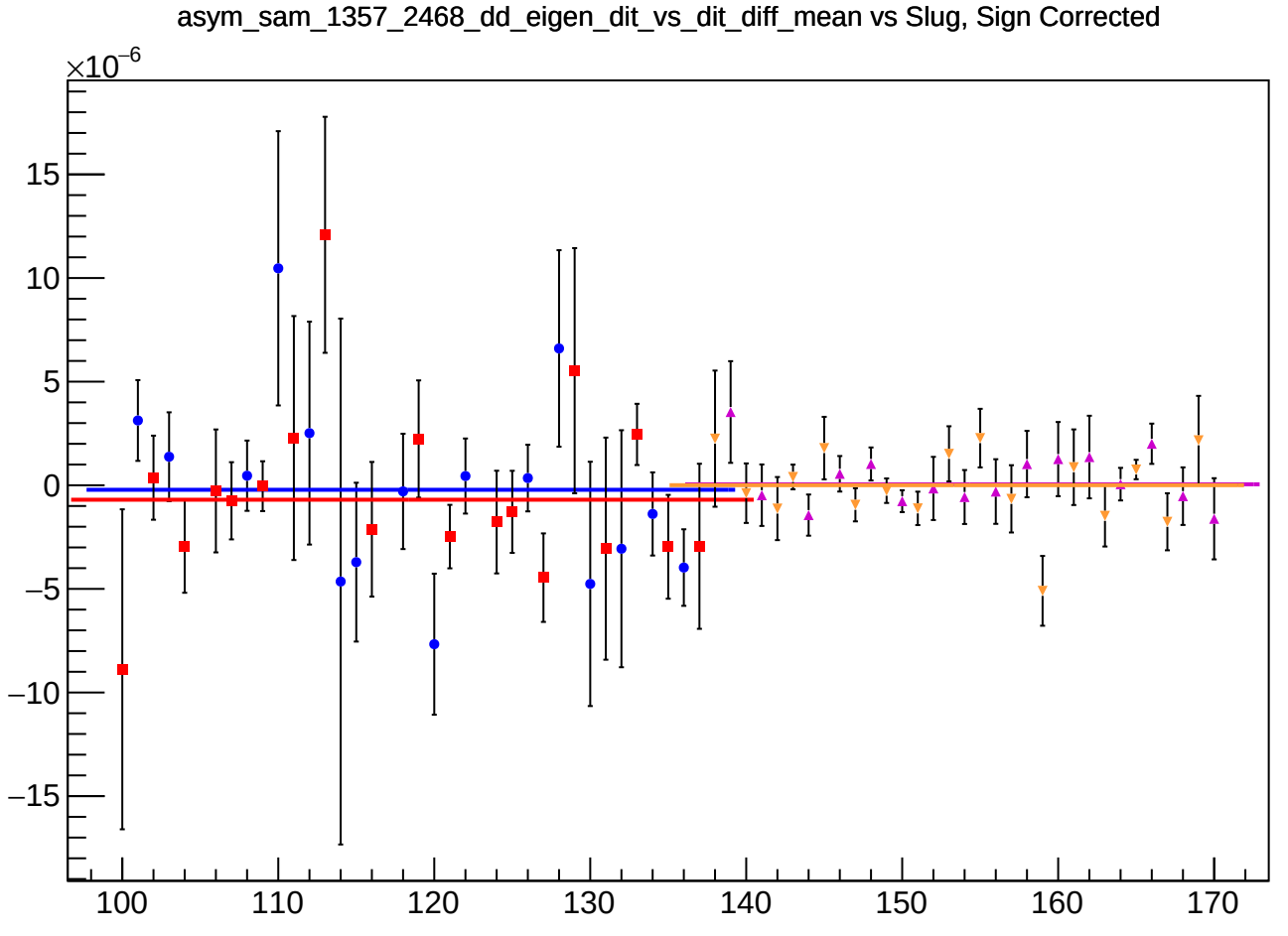
Left: 16.724+/-0.002 χ^2/NDF: 1278717.1/32

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.575+/-0.003 χ^2/NDF:1540102.1/31

Out: 17.781+/-0.003 χ^2/NDF:1936970.3/35

All: 17.678+/-0.002 χ^2/NDF: 3479632.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/15

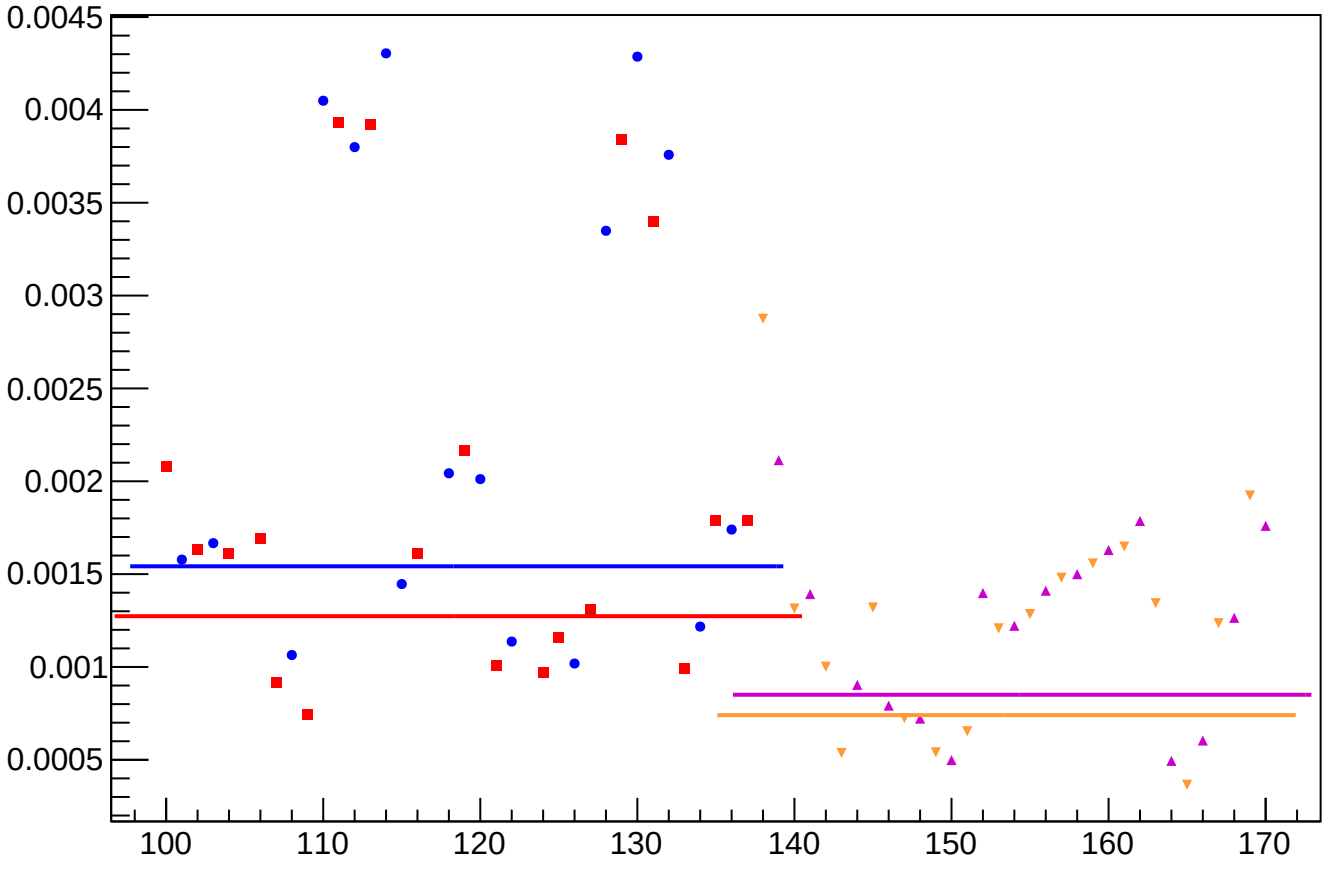
Left: 0.000+/-0.000 χ^2/NDF: 41.3/32

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: -0.000+/-0.000 χ^2/NDF:48.7/35

All: -0.000+/-0.000 χ^2/NDF: 84.0/67



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6413779.9/16

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4730367.3/15

Left: 0.001+/-0.000 χ^2/NDF: 11333980.1/32

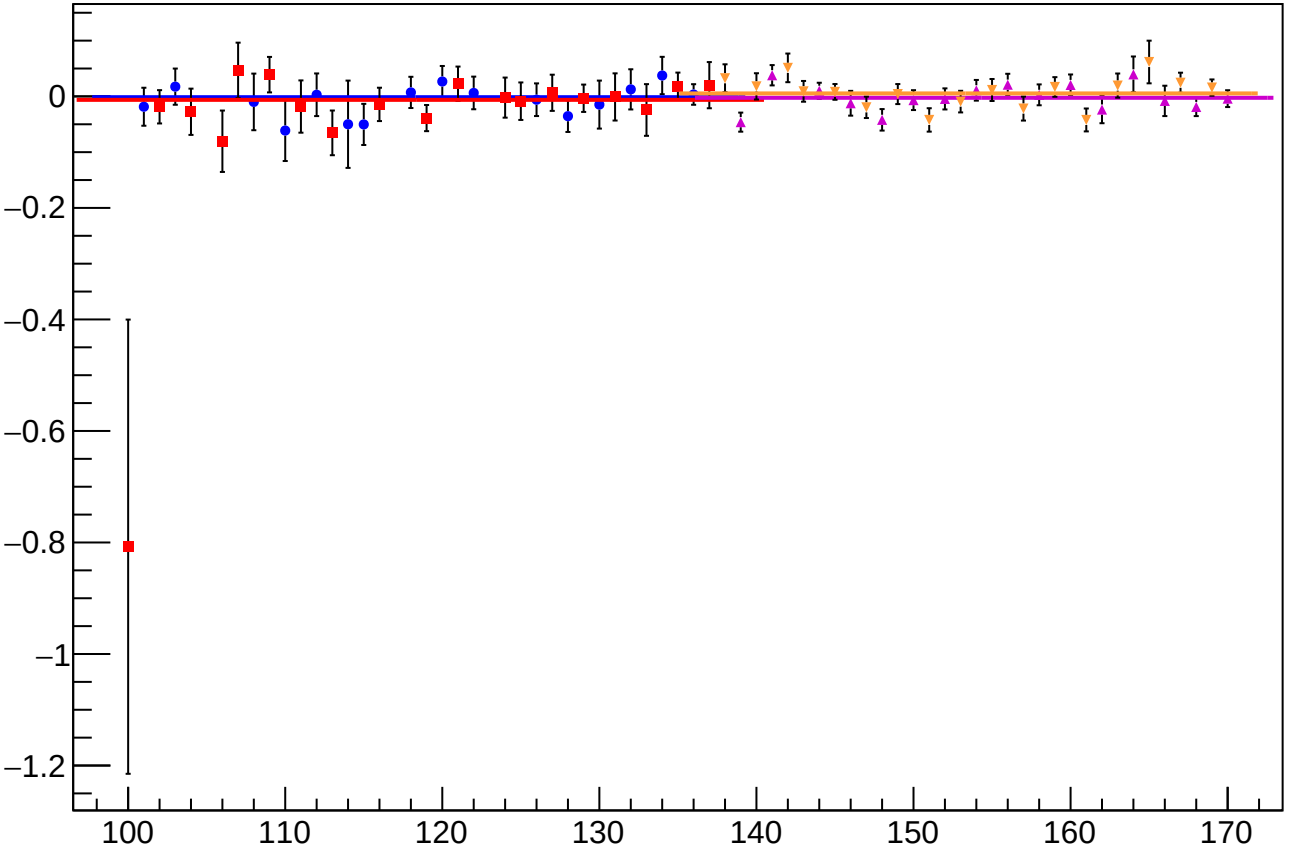
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9187245.0/31

Out: 0.001+/-0.000 χ^2/NDF:10801216.9/35

All: 0.001+/-0.000 χ^2/NDF: 20284698.6/67

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.005+/-0.005 χ^2/NDF:23.9/16

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.0/32

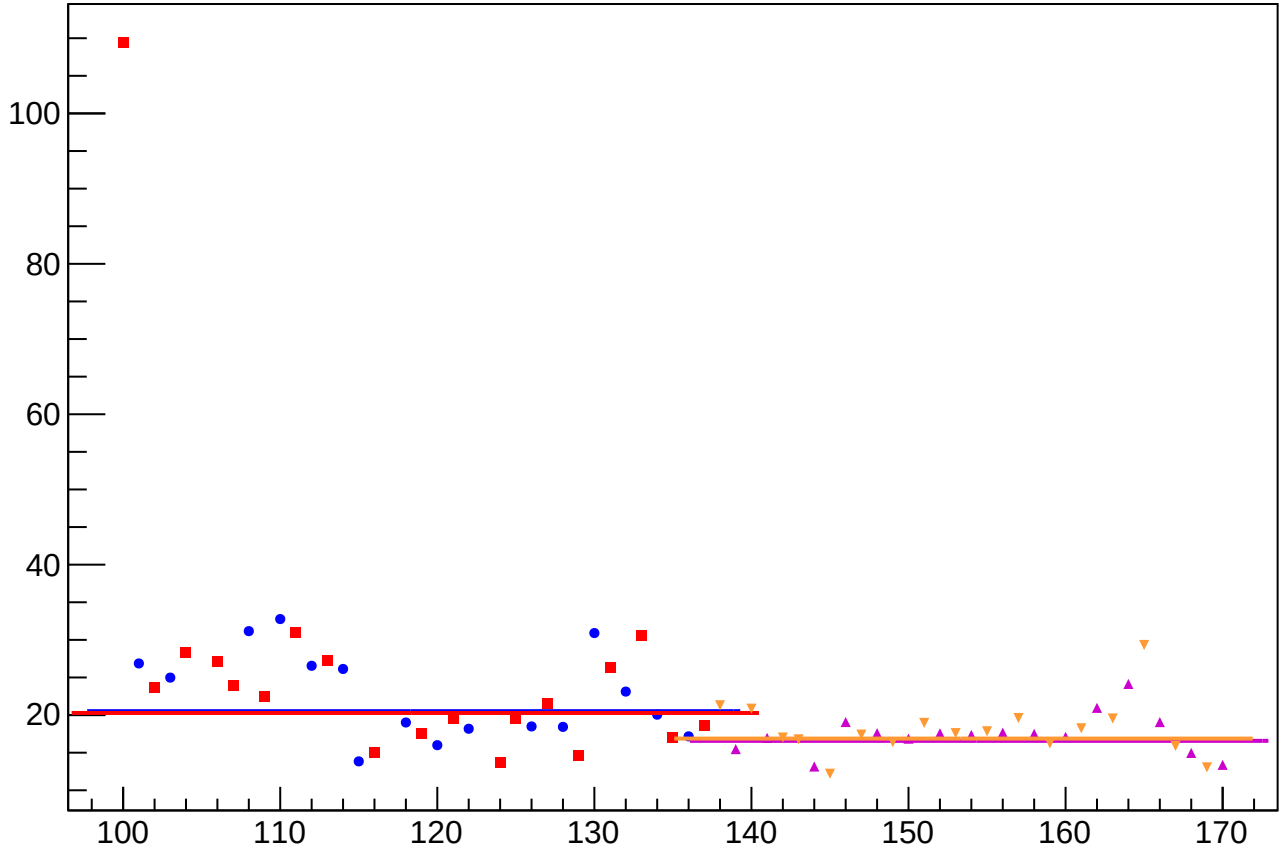
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.002+/-0.004 χ^2/NDF:41.7/35

All: 0.000+/-0.003 χ^2/NDF: 74.3/67

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:798563.6/16

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.573+/-0.003 χ^2/NDF:475967.9/15

Left: 16.724+/-0.002 χ^2/NDF: 1278671.3/32

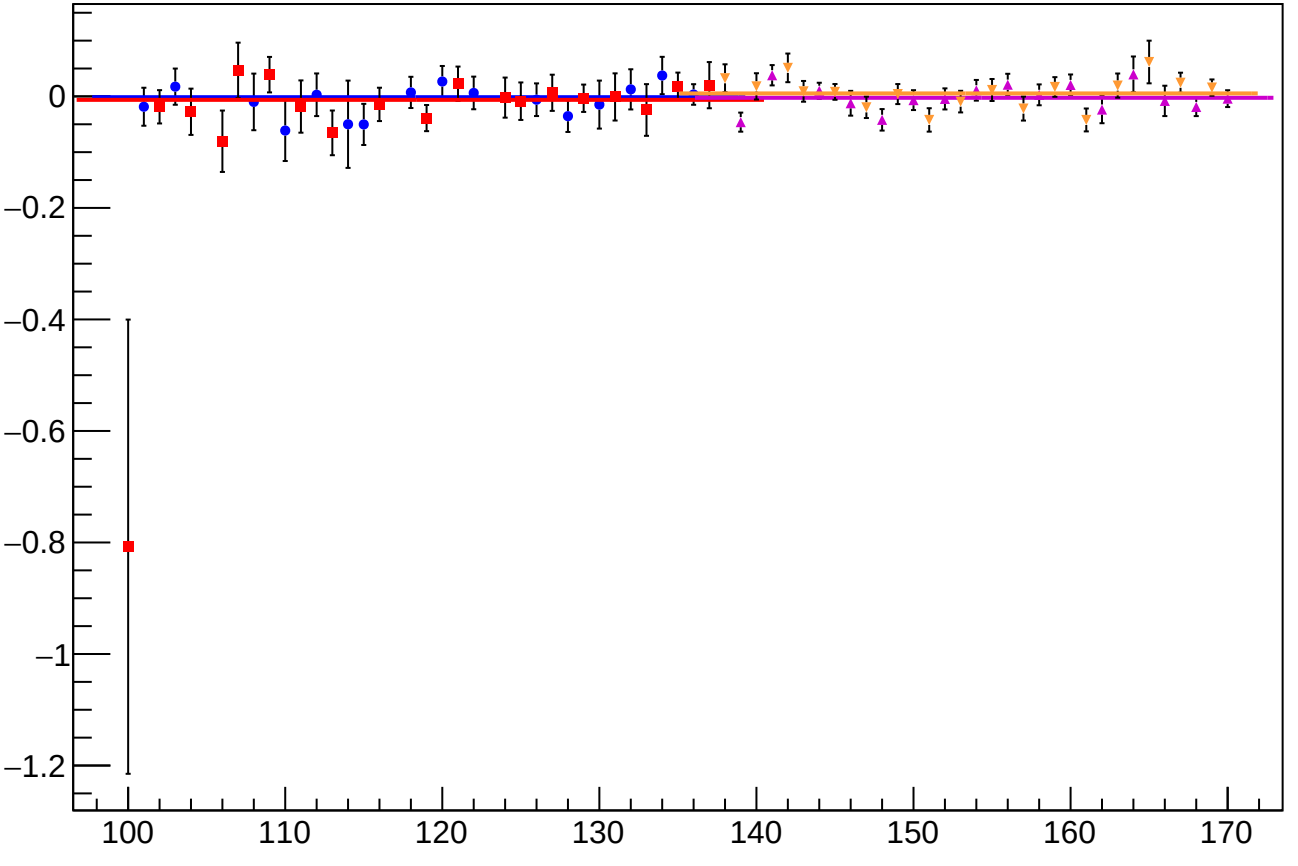
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.575+/-0.003 χ^2/NDF:1539883.6/31

Out: 17.781+/-0.003 χ^2/NDF:1936779.8/35

All: 17.678+/-0.002 χ^2/NDF: 3479224.4/67

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: 0.005+/-0.005 χ^2/NDF:23.9/16

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.0/32

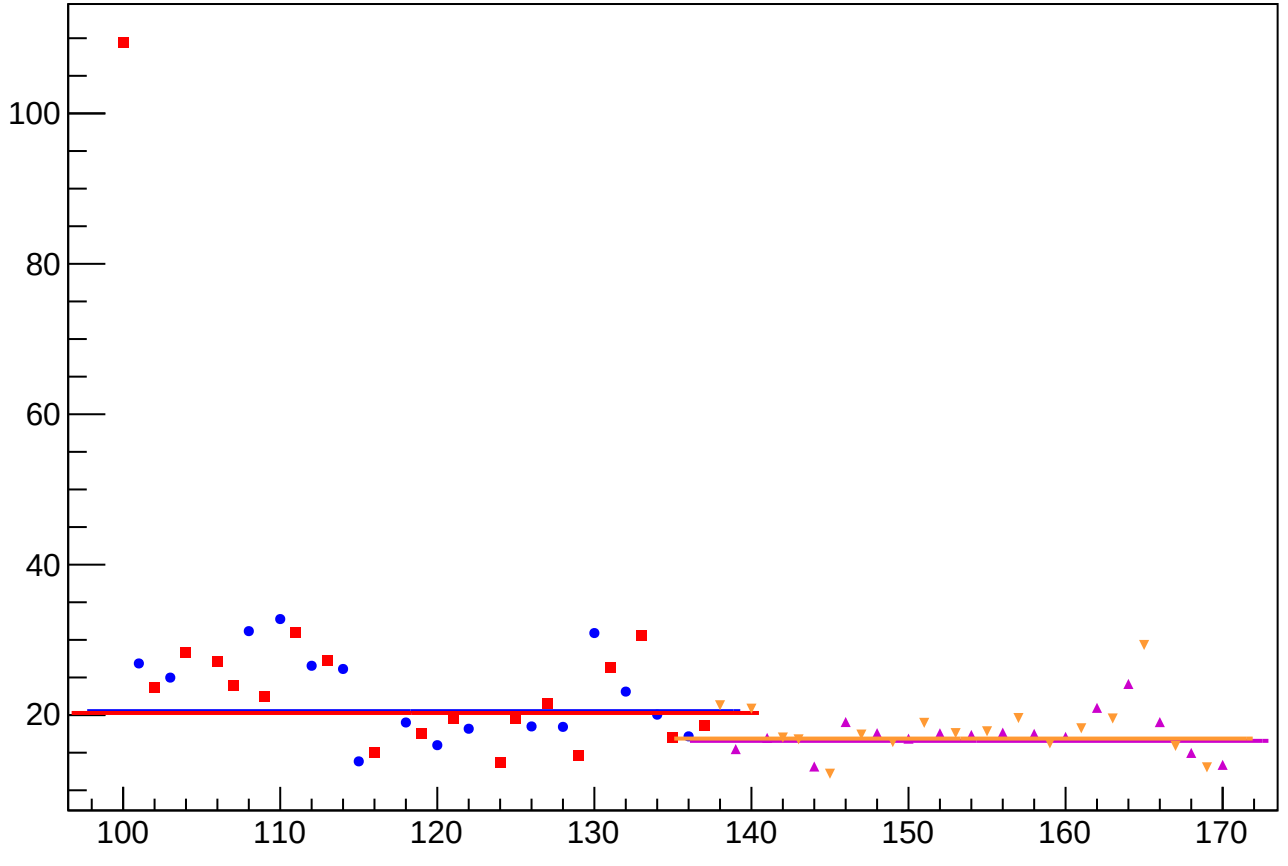
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.002+/-0.004 χ^2/NDF:41.7/35

All: 0.000+/-0.003 χ^2/NDF: 74.3/67

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.877+/-0.003 χ^2/NDF:798563.6/16

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.573+/-0.003 χ^2/NDF:475967.9/15

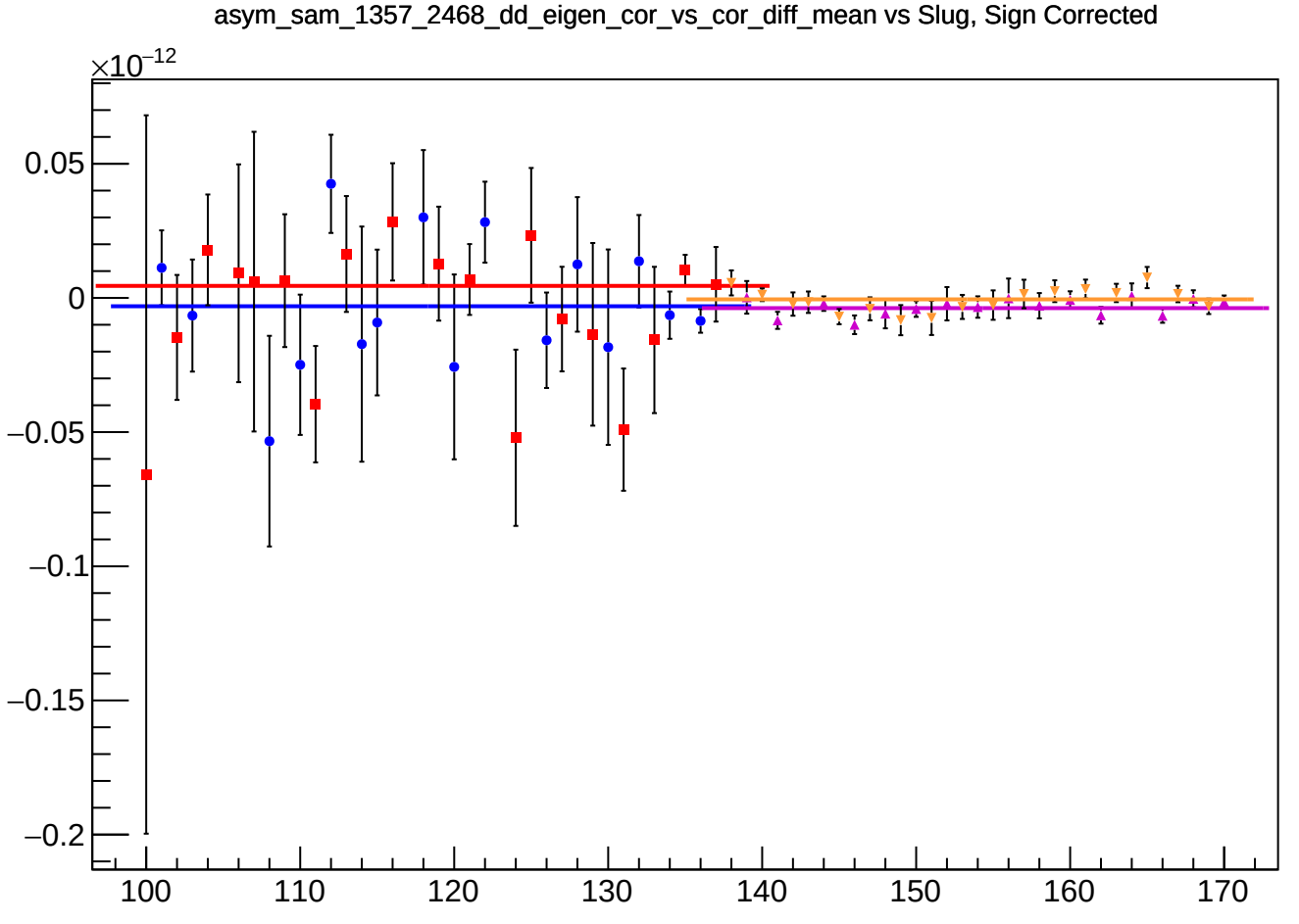
Left: 16.724+/-0.002 χ^2/NDF: 1278671.3/32

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.575+/-0.003 χ^2/NDF:1539883.6/31

Out: 17.781+/-0.003 χ^2/NDF:1936779.8/35

All: 17.678+/-0.002 χ^2/NDF: 3479224.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/15

Left: -0.000+/-0.000 χ^2/NDF: 39.0/32

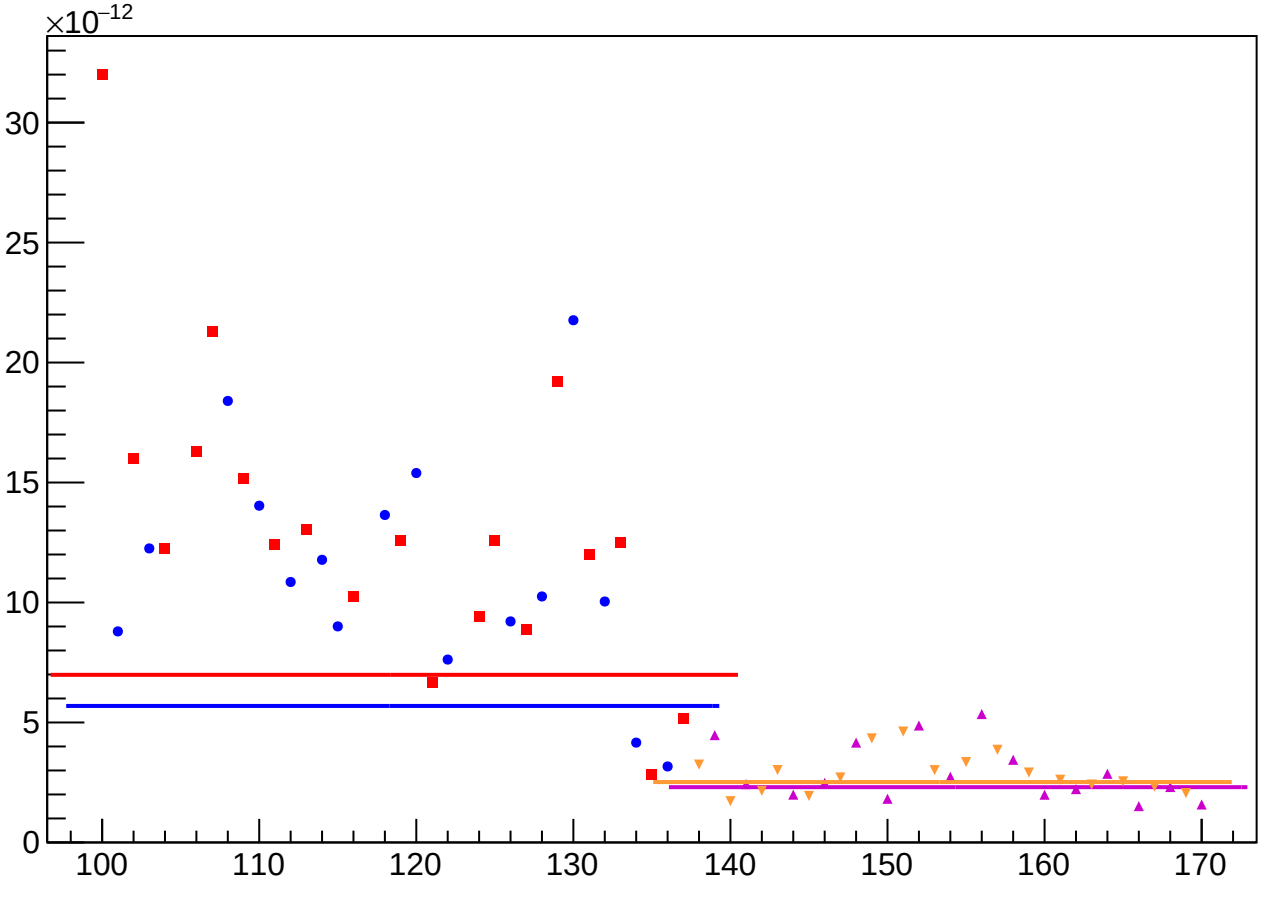
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:32.4/31

Out: -0.000+/-0.000 χ^2/NDF:40.0/35

All: -0.000+/-0.000 χ^2/NDF: 80.6/67

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:1115636.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1807051.7/15

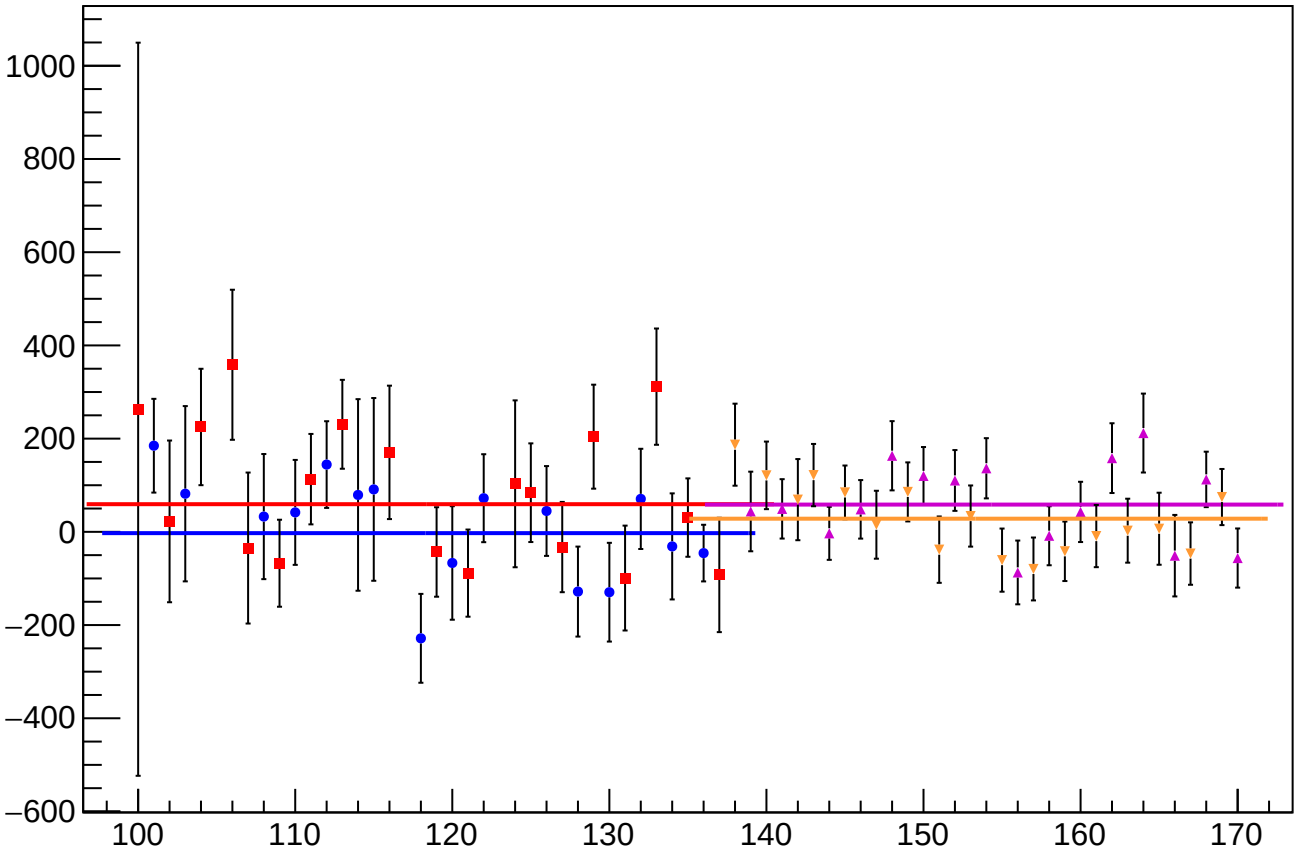
Left: 0.000+/-0.000 χ^2/NDF: 2979947.8/32

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6528917.8/31

Out: 0.000+/-0.000 χ^2/NDF:6757535.8/35

All: 0.000+/-0.000 χ^2/NDF: 13350823.6/67



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 28.223+/-16.601 χ^2/NDF:17.6/16

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 58.489+/-16.796 χ^2/NDF:22.7/15

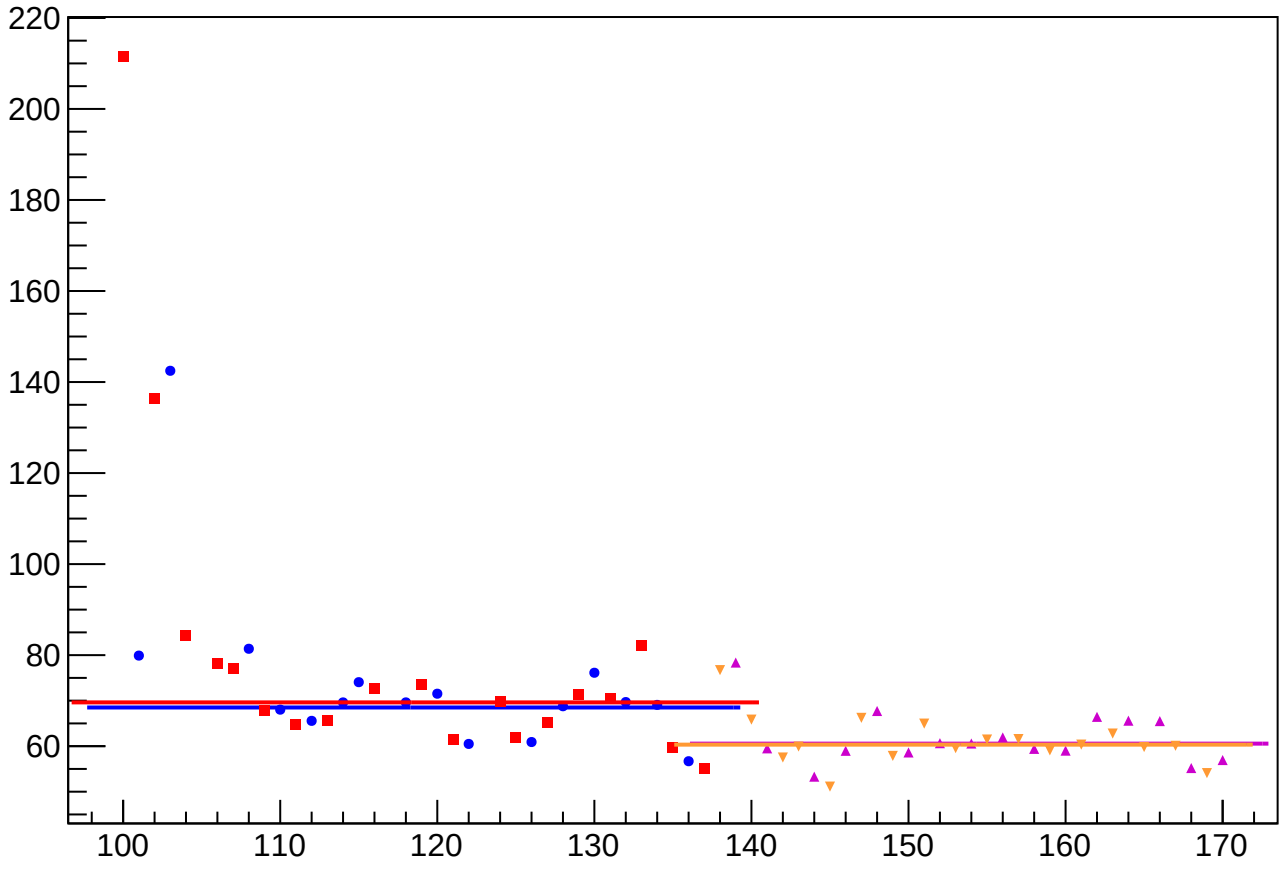
Left: 43.179+/-11.807 χ^2/NDF: 42.0/32

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 40.659+/-14.142 χ^2/NDF:44.3/31

Out: 37.052+/-14.051 χ^2/NDF:44.3/35

All: 38.844+/-9.968 χ^2/NDF: 88.7/67



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.337+/-0.012 χ^2/NDF:184964.9/16

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.446+/-0.008 χ^2/NDF: 378178.4/32

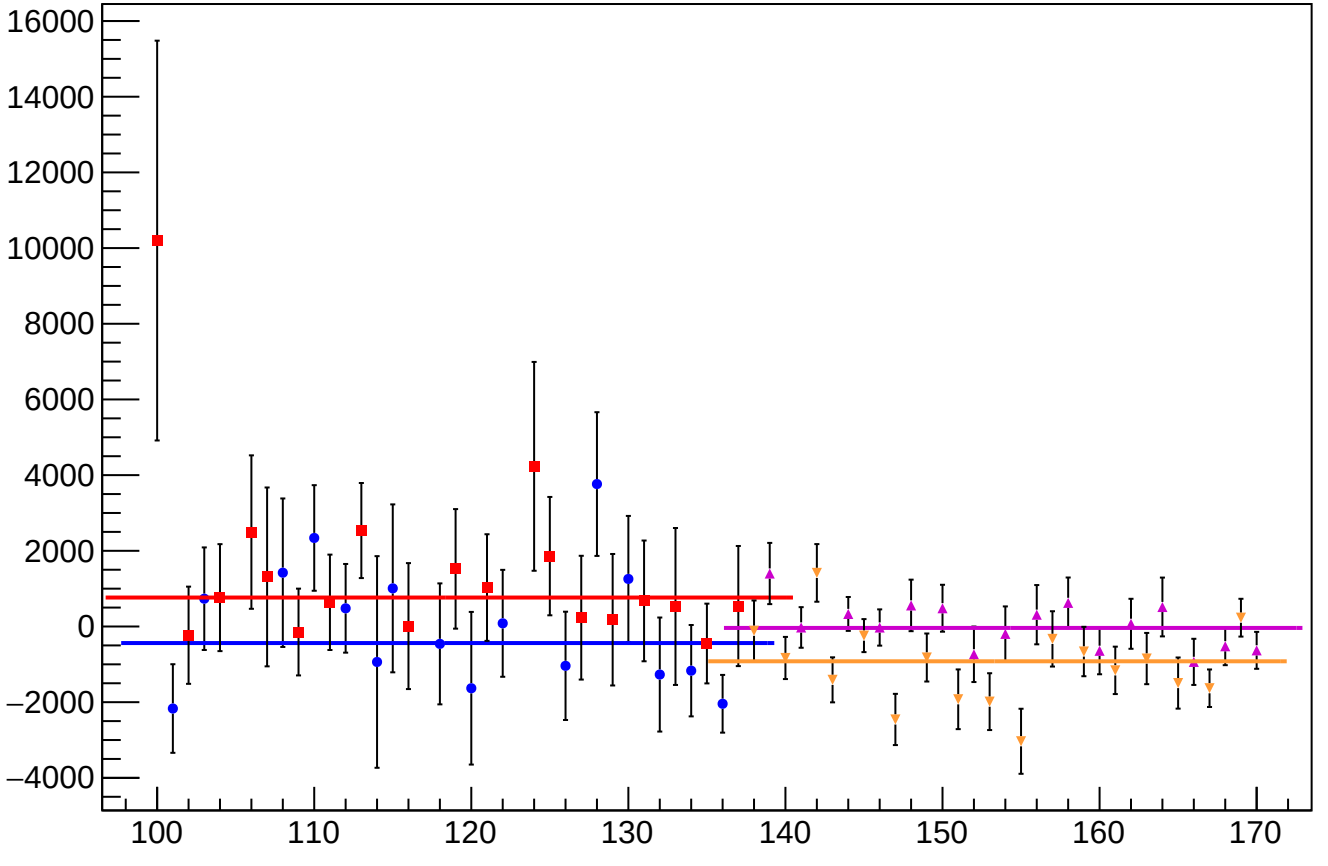
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.870+/-0.010 χ^2/NDF:794977.5/31

Out: 62.970+/-0.010 χ^2/NDF:882755.4/35

All: 62.920+/-0.007 χ^2/NDF: 1677782.9/67

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: -919.459+/-152.134 χ^2/NDF:37.5/16

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -37.880+/-150.498 χ^2/NDF:13.5/15

Left: -473.904+/-106.992 χ^2/NDF: 68.0/32

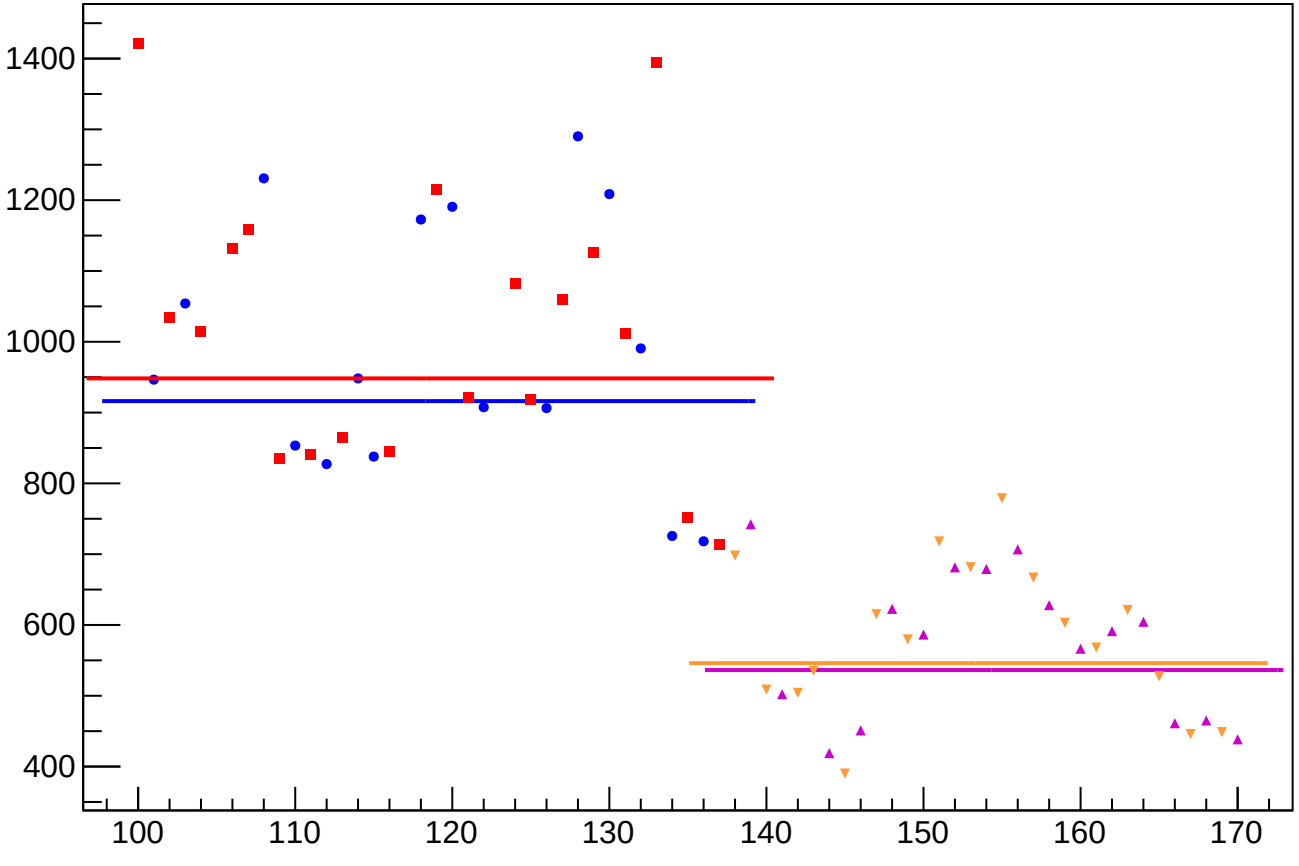
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -100.568+/-138.189 χ^2/NDF:35.1/31

Out: -655.610+/-139.715 χ^2/NDF:68.0/35

All: -375.042+/-98.249 χ^2/NDF: 111.1/67

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: 546.090+/-0.108 χ^2/NDF:933274.8/16

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 536.342+/-0.106 χ^2/NDF:856572.2/15

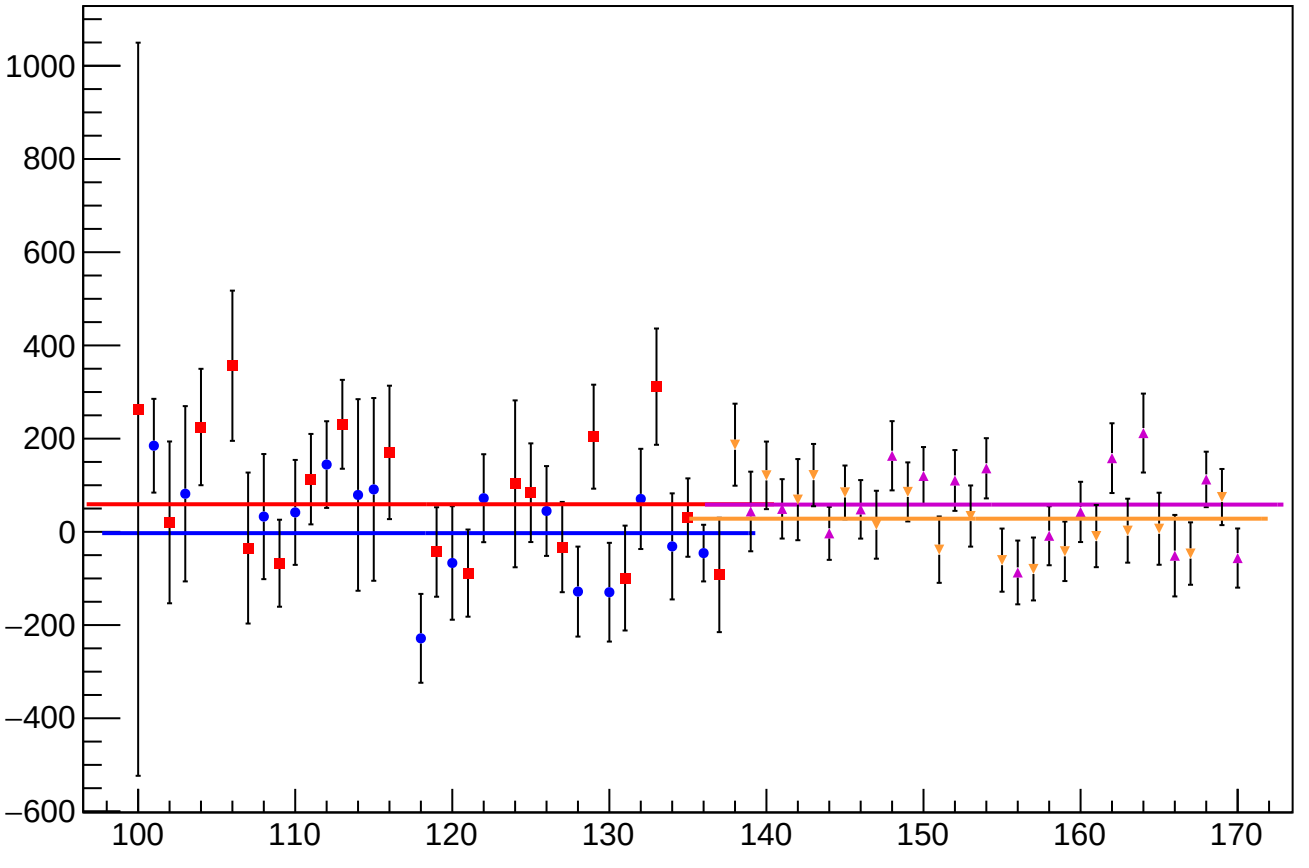
Left: 541.163+/-0.076 χ^2/NDF: 1793997.5/32

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 595.933+/-0.098 χ^2/NDF:3364357.1/31

Out: 609.069+/-0.099 χ^2/NDF:3536976.5/35

All: 602.429+/-0.069 χ^2/NDF: 6910269.5/67



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 28.227+/-16.601 χ^2/NDF:17.6/16

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.487+/-16.796 χ^2/NDF:22.7/15

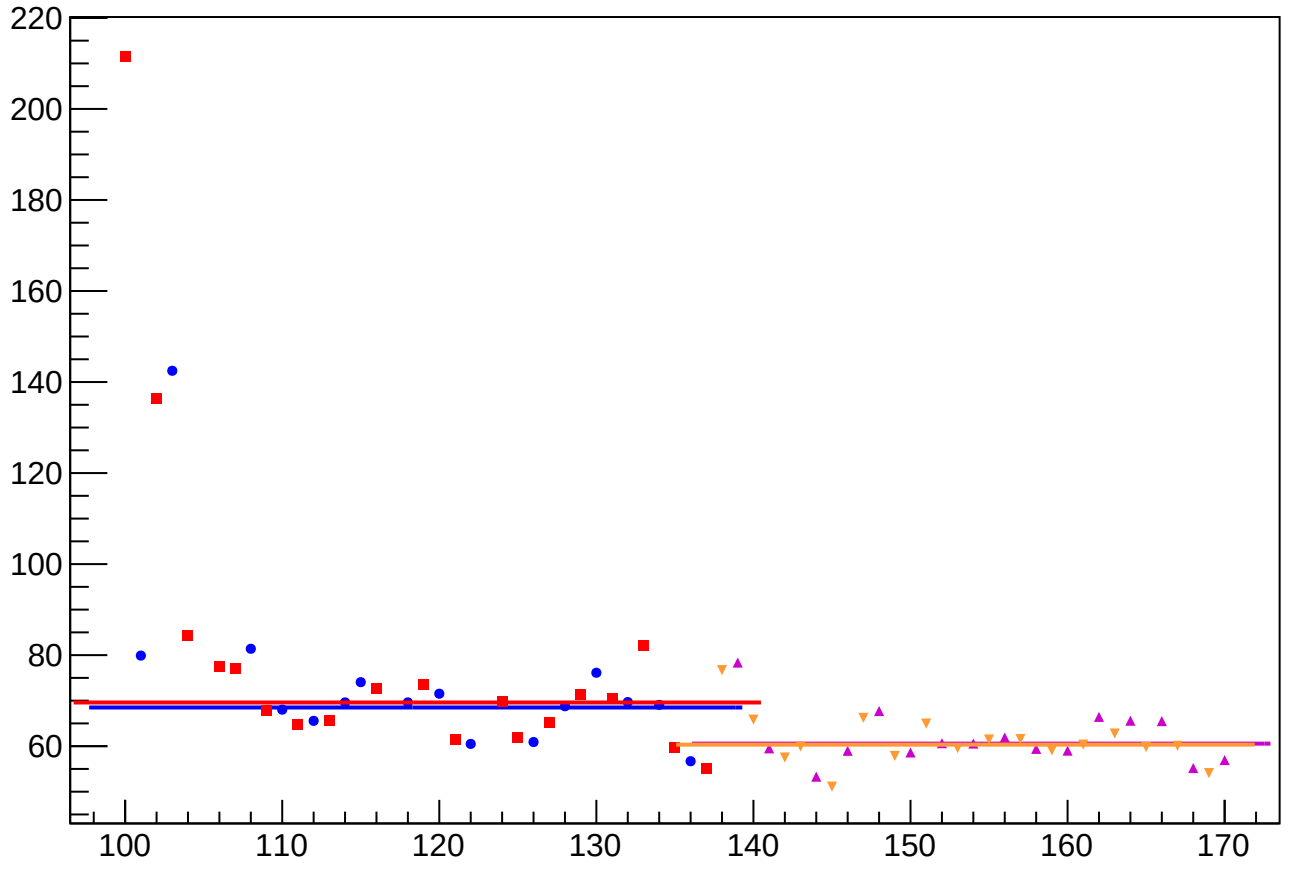
Left: 43.180+/-11.807 χ^2/NDF: 42.0/32

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 40.656+/-14.142 χ^2/NDF:44.3/31

Out: 37.019+/-14.051 χ^2/NDF:44.3/35

All: 38.826+/-9.968 χ^2/NDF: 88.6/67



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.337+/-0.012 χ^2/NDF:184964.9/16

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.446+/-0.008 χ^2/NDF: 378178.3/32

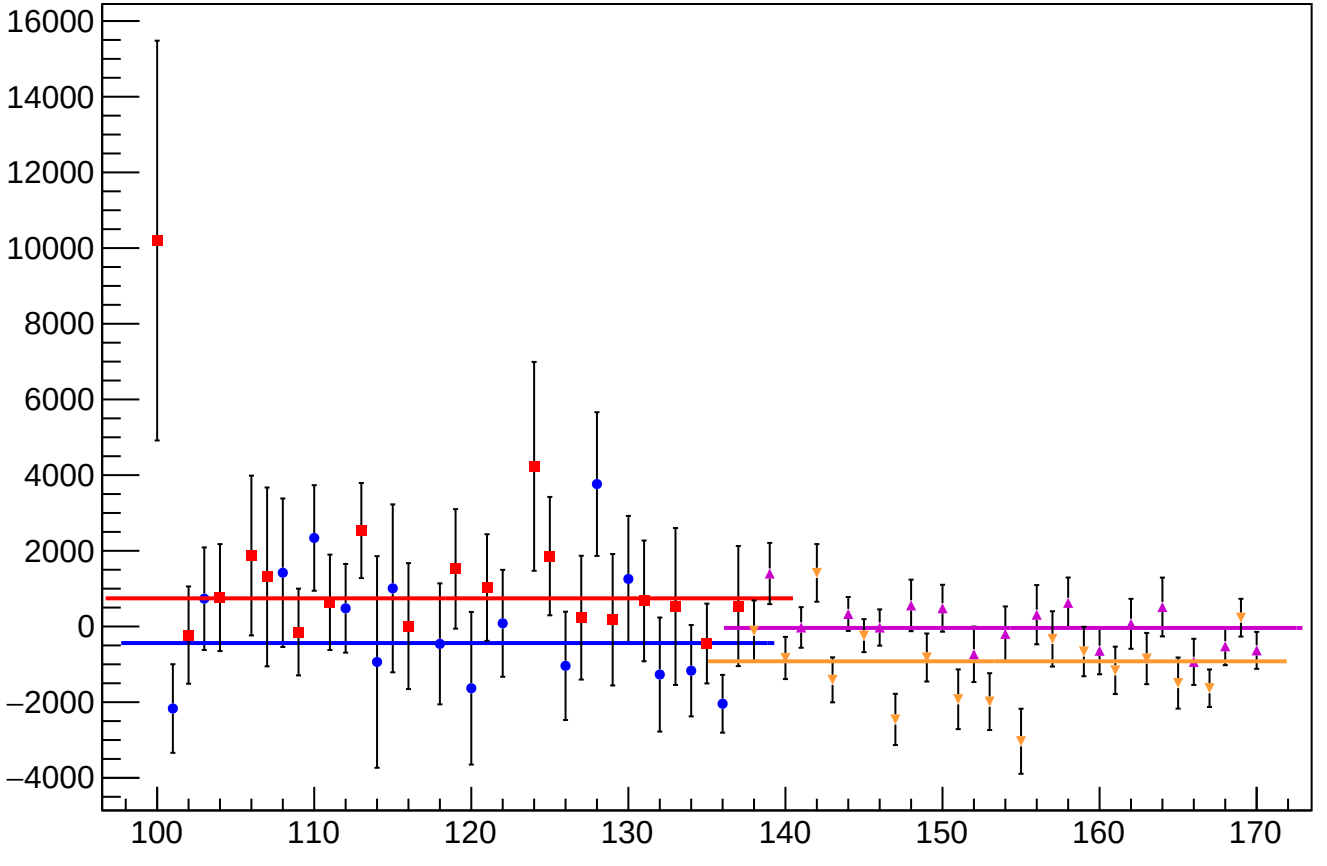
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.870+/-0.010 χ^2/NDF:794980.4/31

Out: 62.964+/-0.010 χ^2/NDF:881395.0/35

All: 62.917+/-0.007 χ^2/NDF: 1676420.0/67

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: -919.453+/-152.134 χ^2/NDF:37.5/16

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -37.879+/-150.498 χ^2/NDF:13.5/15

Left: -473.900+/-106.992 χ^2/NDF: 68.0/32

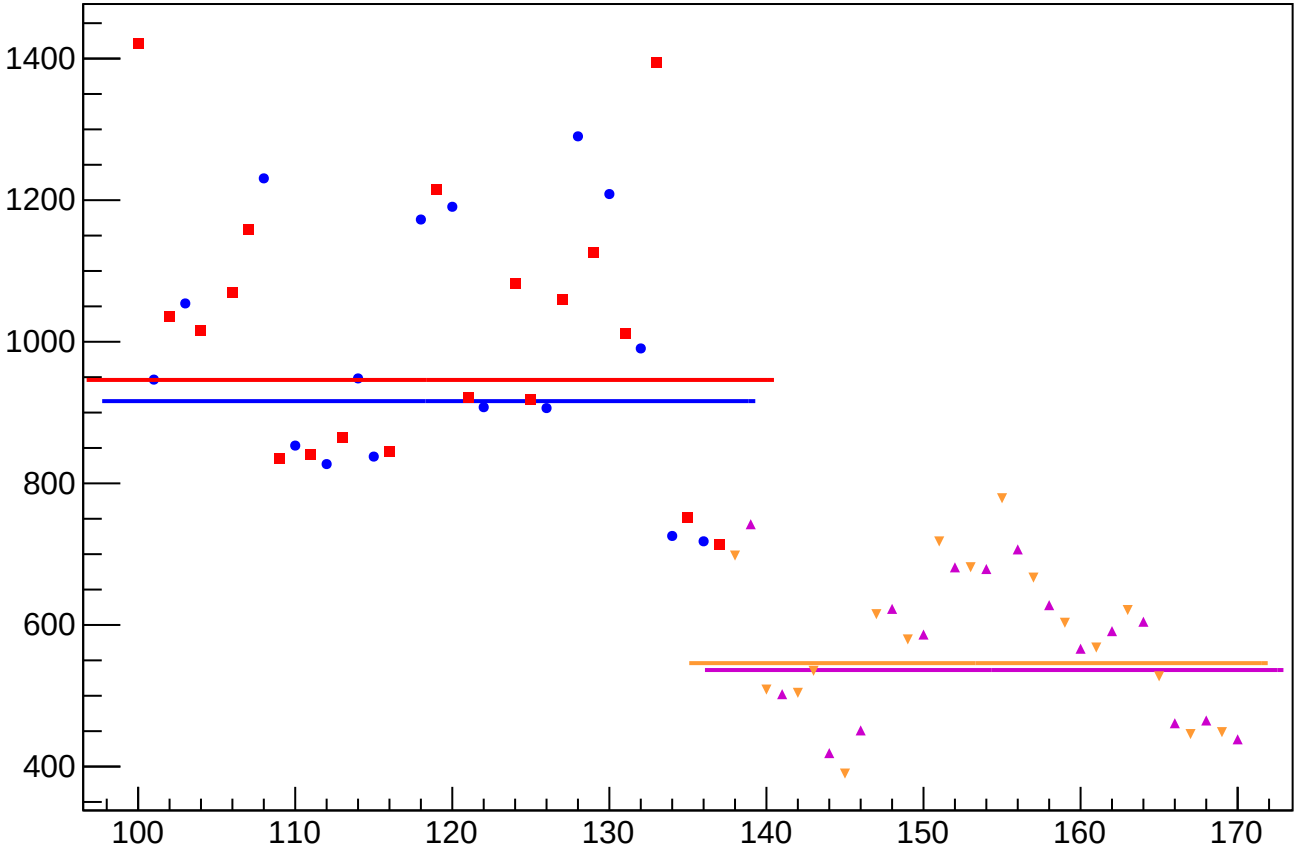
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -100.561+/-138.189 χ^2/NDF:35.1/31

Out: -659.428+/-139.742 χ^2/NDF:67.0/35

All: -376.873+/-98.259 χ^2/NDF: 110.3/67

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: 546.090+/-0.108 χ^2/NDF:933277.8/16

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 536.342+/-0.106 χ^2/NDF:856570.0/15

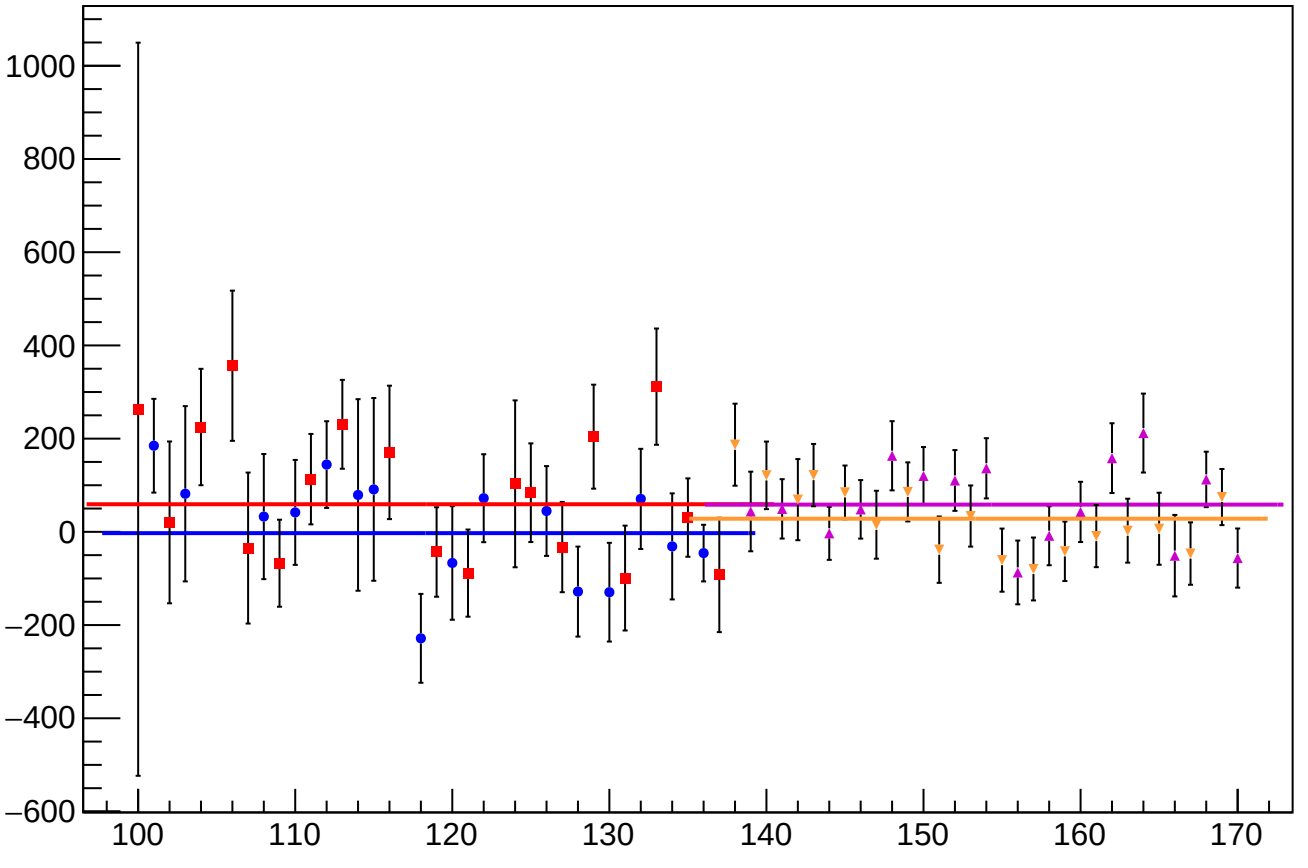
Left: 541.163+/-0.076 χ^2/NDF: 1793998.0/32

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 595.933+/-0.098 χ^2/NDF:3364399.1/31

Out: 608.602+/-0.099 χ^2/NDF:3499438.1/35

All: 602.197+/-0.069 χ^2/NDF: 6872148.4/67



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 28.227+/-16.601 χ^2/NDF:17.6/16

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 58.487+/-16.796 χ^2/NDF:22.7/15

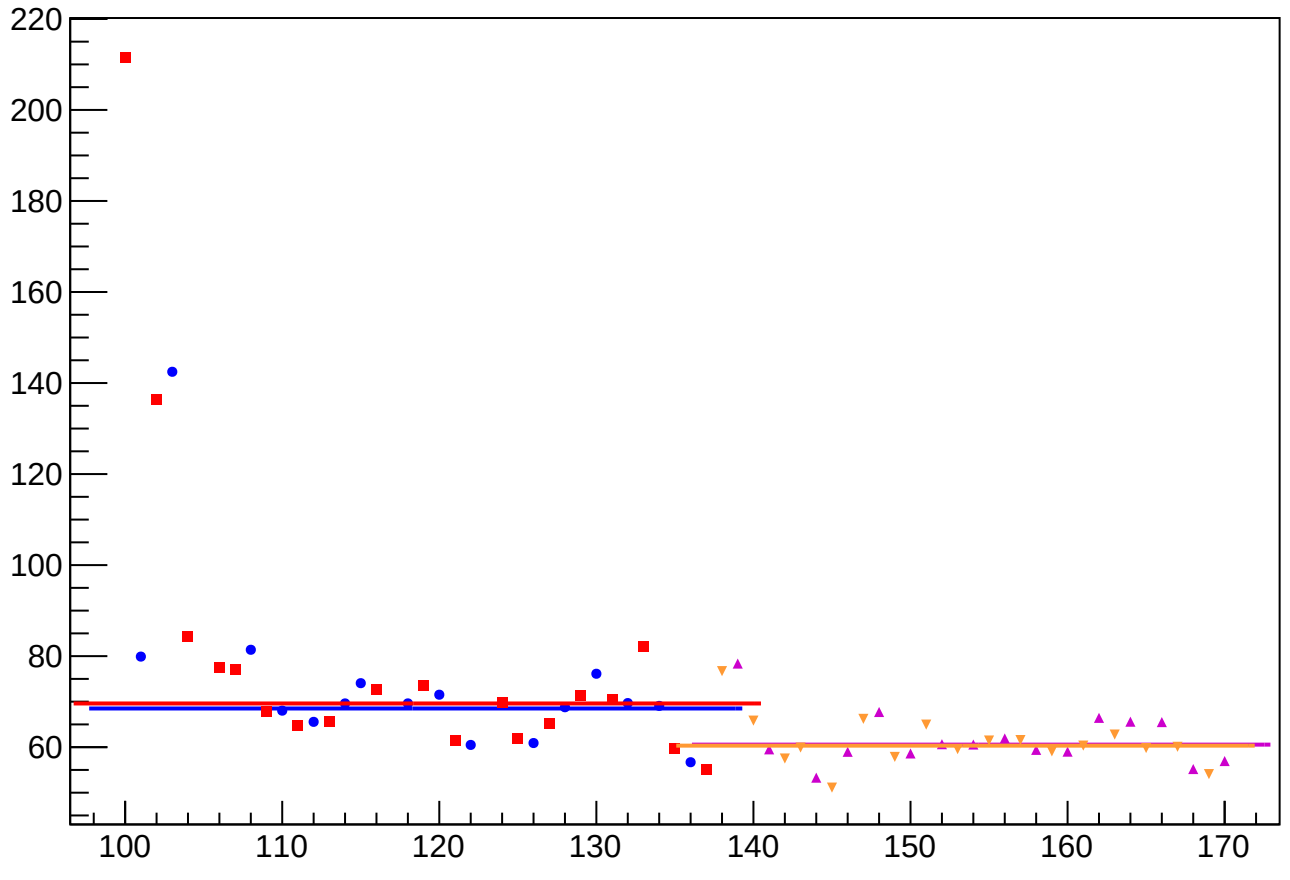
Left: 43.180+/-11.807 χ^2/NDF: 42.0/32

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 40.656+/-14.142 χ^2/NDF:44.3/31

Out: 37.019+/-14.051 χ^2/NDF:44.3/35

All: 38.826+/-9.968 χ^2/NDF: 88.6/67



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.337+/-0.012 χ^2/NDF:184964.9/16

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.446+/-0.008 χ^2/NDF: 378178.3/32

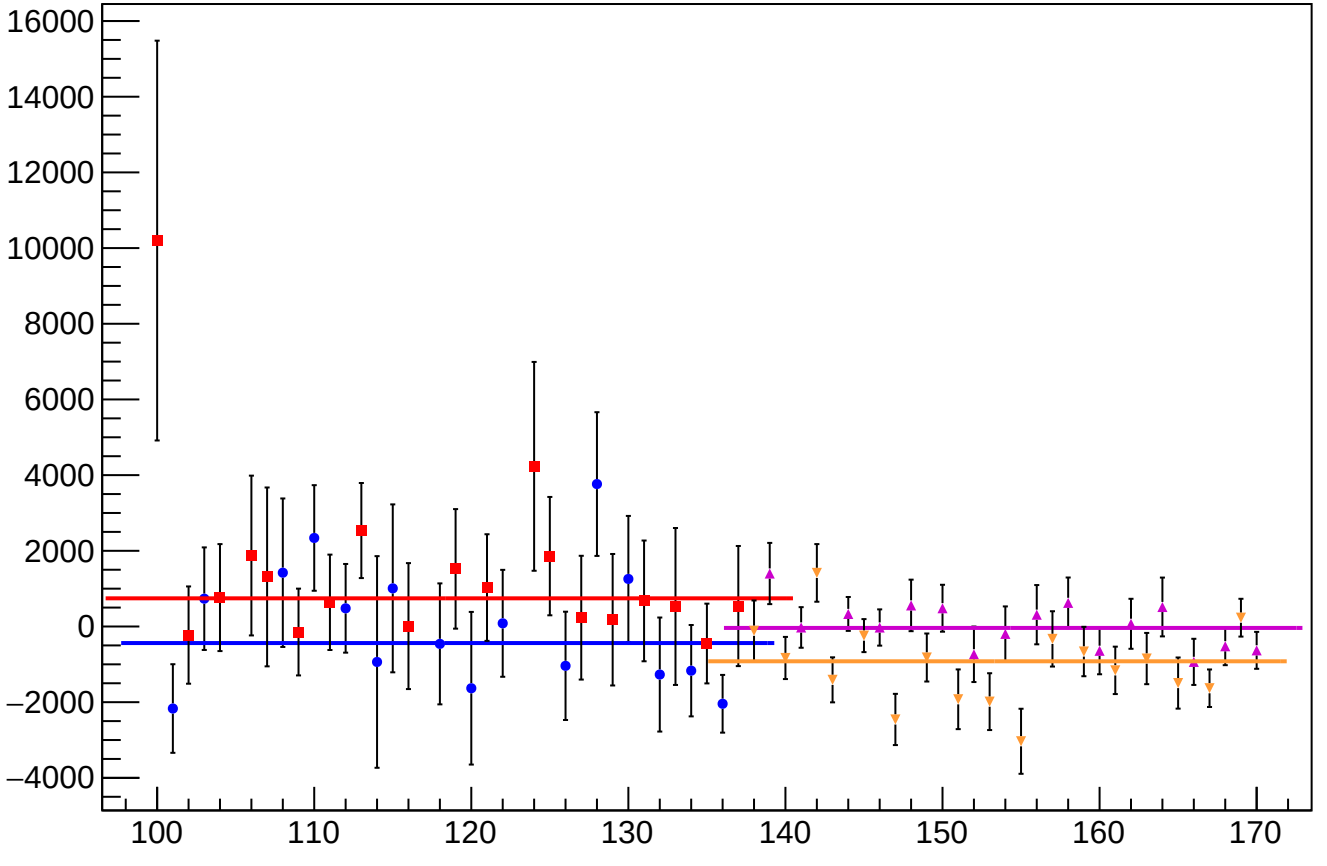
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.870+/-0.010 χ^2/NDF:794980.4/31

Out: 62.964+/-0.010 χ^2/NDF:881395.0/35

All: 62.917+/-0.007 χ^2/NDF: 1676420.0/67

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: -919.453+/-152.134 χ^2/NDF:37.5/16

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -37.879+/-150.498 χ^2/NDF:13.5/15

Left: -473.900+/-106.992 χ^2/NDF: 68.0/32

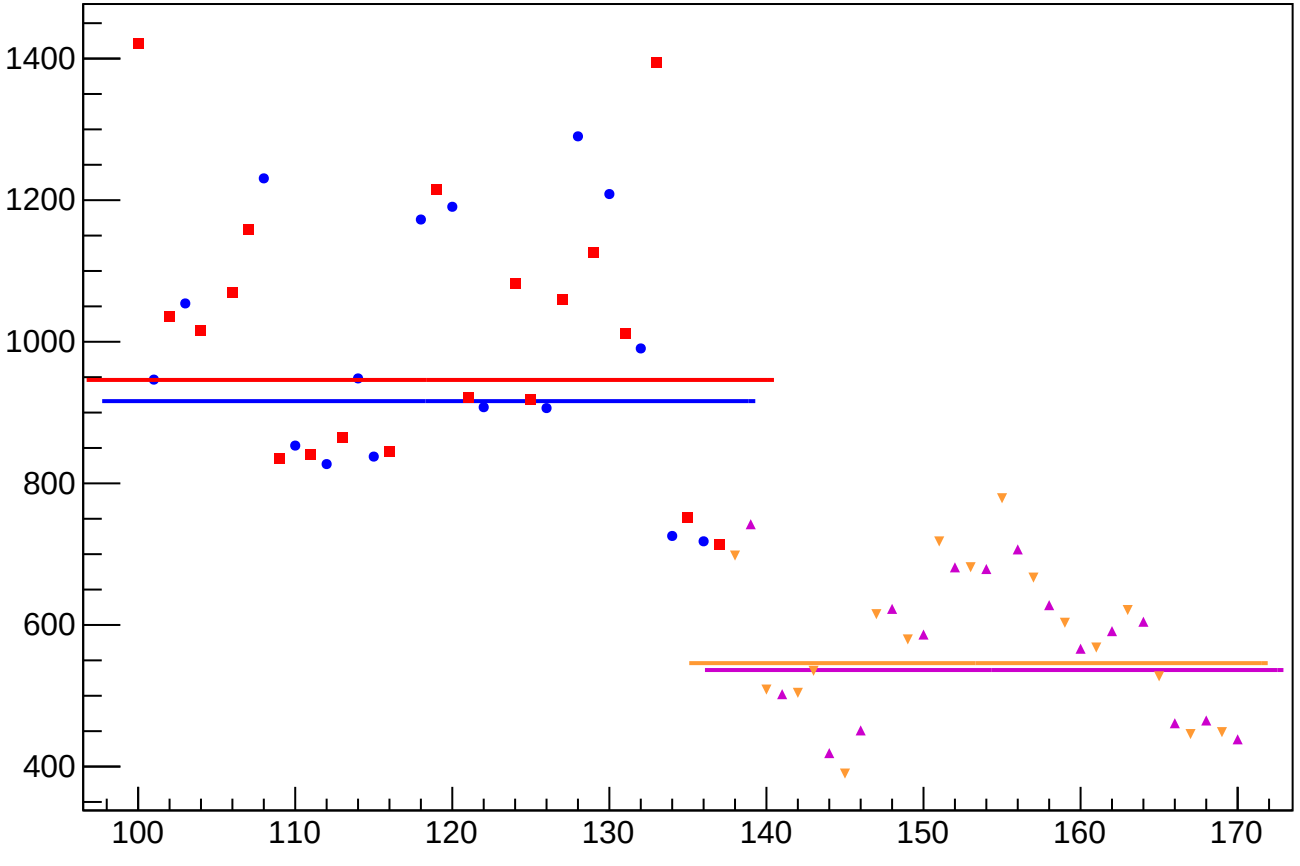
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -100.561+/-138.189 χ^2/NDF:35.1/31

Out: -659.428+/-139.742 χ^2/NDF:67.0/35

All: -376.873+/-98.259 χ^2/NDF: 110.3/67

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: 546.090+/-0.108 χ^2/NDF:933277.8/16

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 536.342+/-0.106 χ^2/NDF:856570.0/15

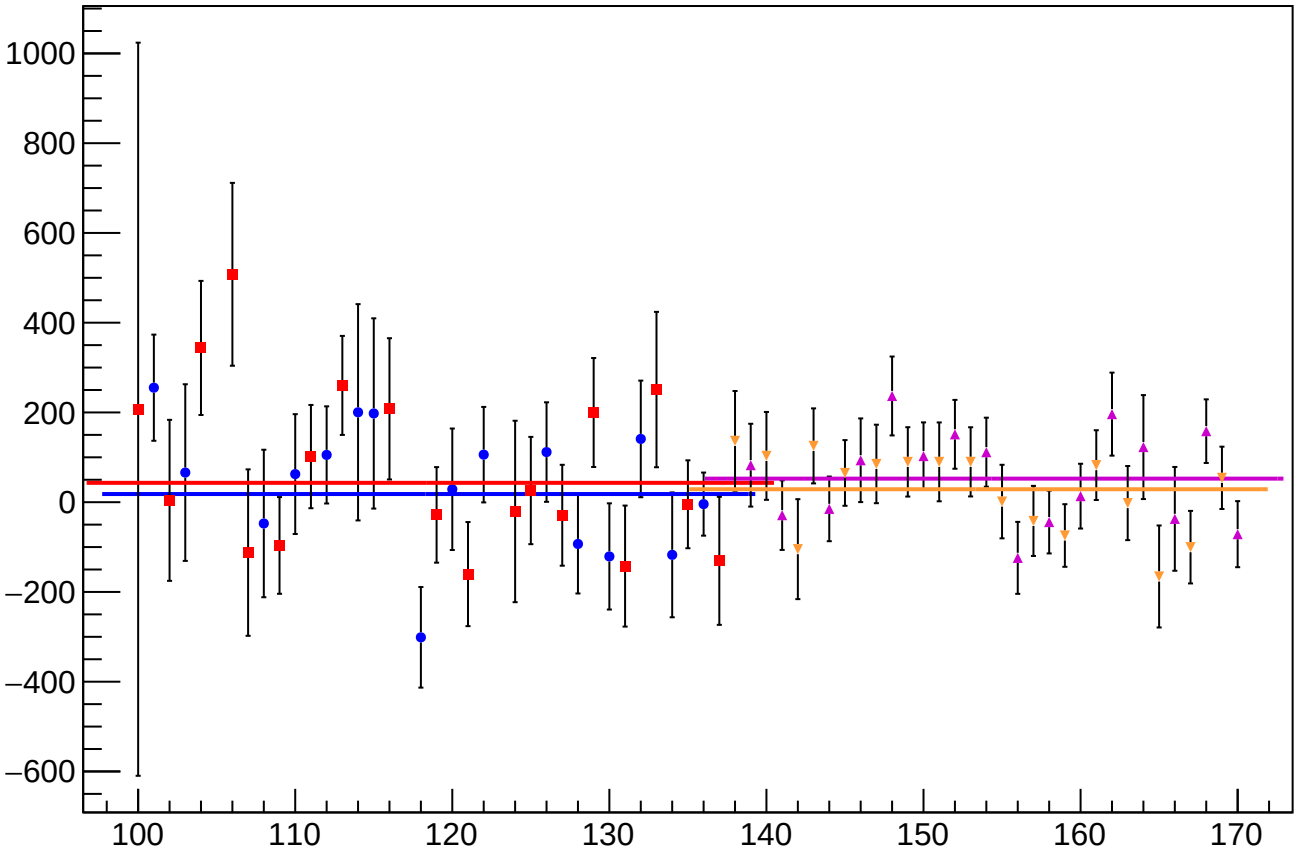
Left: 541.163+/-0.076 χ^2/NDF: 1793998.0/32

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 595.933+/-0.098 χ^2/NDF:3364399.1/31

Out: 608.602+/-0.099 χ^2/NDF:3499438.1/35

All: 602.197+/-0.069 χ^2/NDF: 6872148.4/67



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 28.881+/-20.161 χ^2/NDF:16.0/16

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 52.501+/-20.246 χ^2/NDF:24.9/15

Left: 40.641+/-14.286 χ^2/NDF: 41.6/32

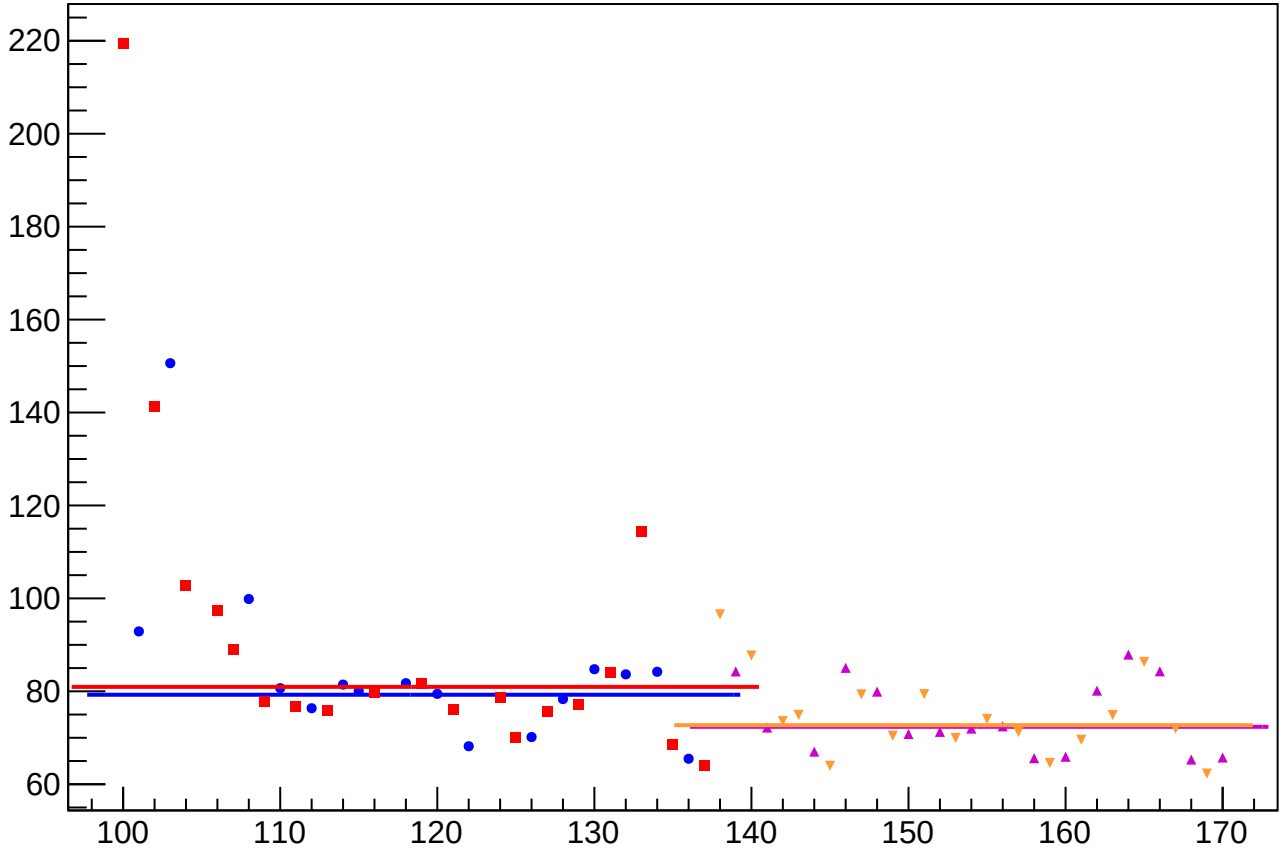
Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.928+/-16.842 χ^2/NDF:45.9/31

Out: 33.178+/-16.853 χ^2/NDF:43.9/35

All: 37.556+/-11.913 χ^2/NDF: 89.9/67

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.713+/-0.014 χ^2/NDF:303059.6/16

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.362+/-0.014 χ^2/NDF:239469.9/15

Left: 72.539+/-0.010 χ^2/NDF: 542831.3/32

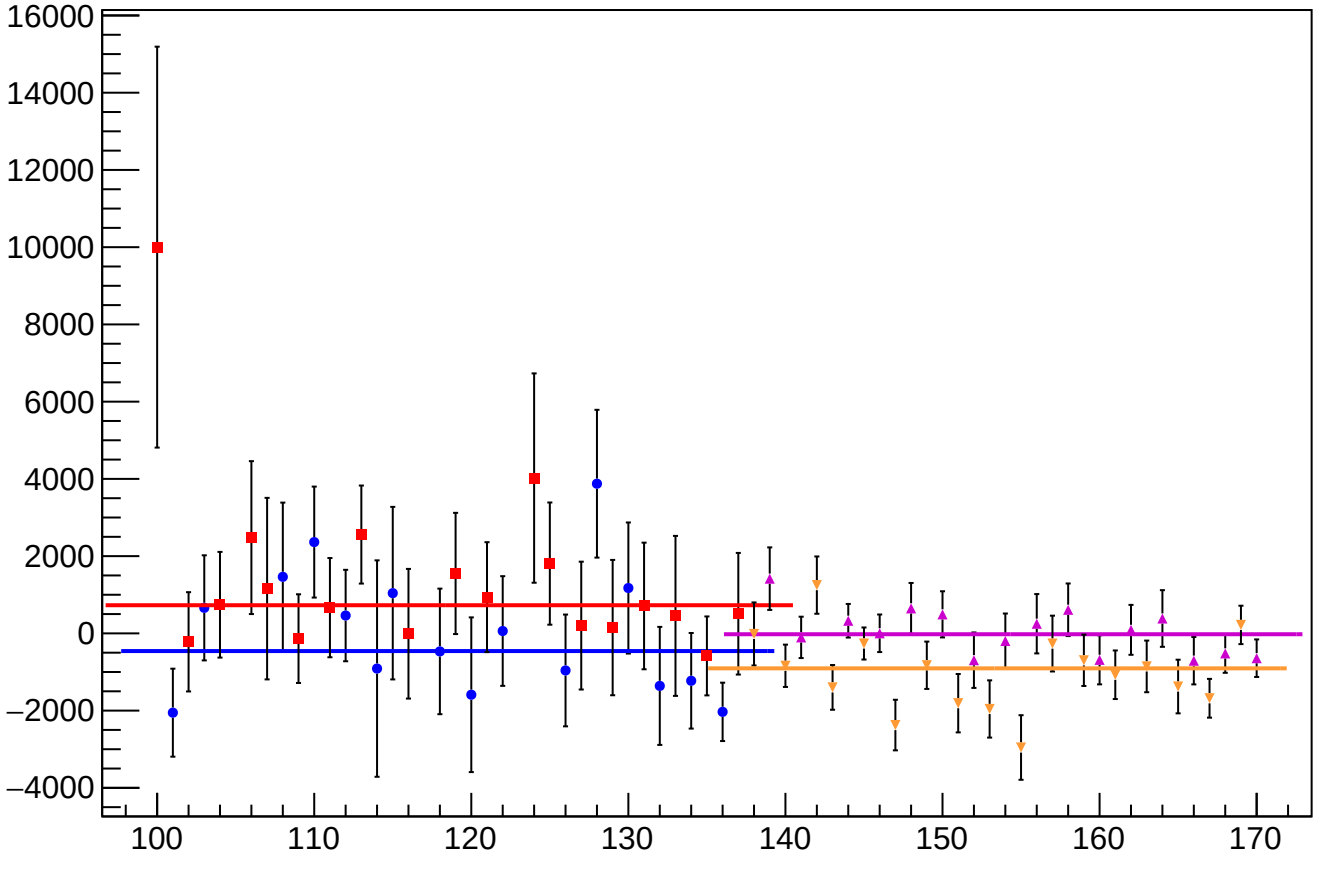
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.488+/-0.012 χ^2/NDF:755986.9/31

Out: 75.197+/-0.012 χ^2/NDF:917998.0/35

All: 74.842+/-0.008 χ^2/NDF: 1675756.4/67

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: -905.637+/-149.954 χ^2/NDF:36.2/16

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -22.243+/-149.109 χ^2/NDF:12.8/15

Left: -461.444+/-105.733 χ^2/NDF: 66.5/32

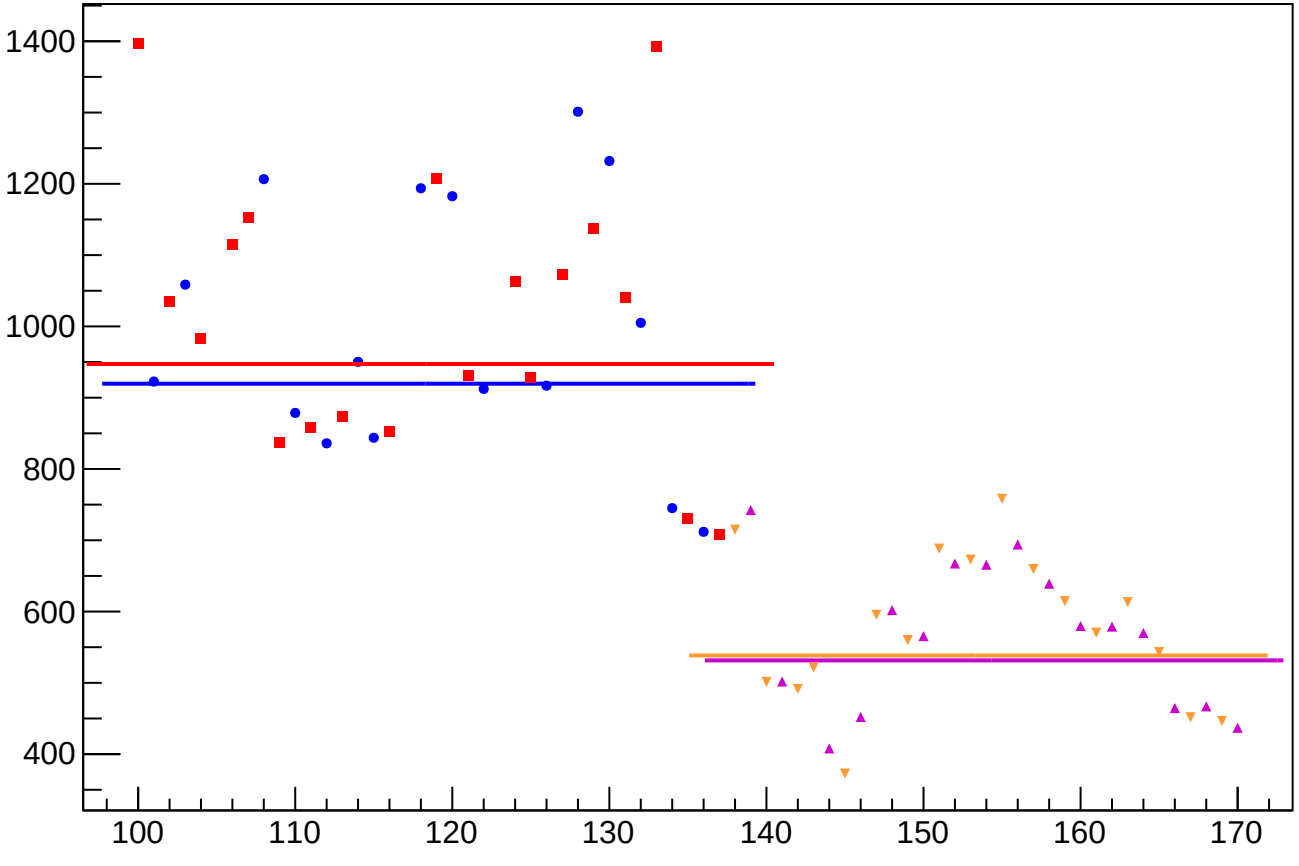
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -89.175+/-137.183 χ^2/NDF:34.4/31

Out: -655.279+/-137.992 χ^2/NDF:65.9/35

All: -370.564+/-97.288 χ^2/NDF: 108.8/67

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 538.445+/-0.106 χ^2/NDF:972657.4/16

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 531.483+/-0.105 χ^2/NDF:828067.1/15

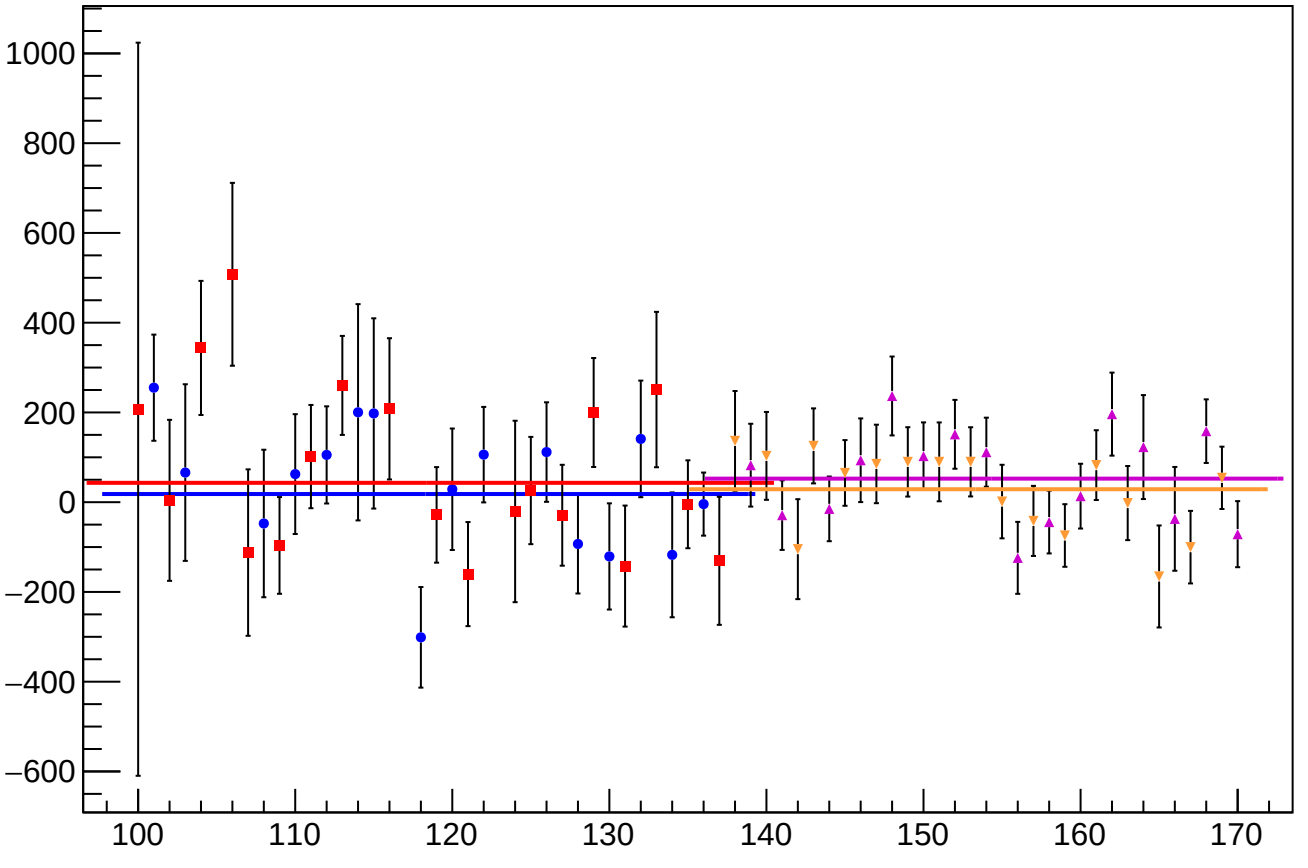
Left: 534.944+/-0.075 χ^2/NDF: 1802892.1/32

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 591.088+/-0.097 χ^2/NDF:3424717.9/31

Out: 601.069+/-0.098 χ^2/NDF:3675417.4/35

All: 596.050+/-0.069 χ^2/NDF: 7105397.8/67



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 28.882+/-20.161 χ^2/NDF:16.0/16

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 52.500+/-20.246 χ^2/NDF:24.9/15

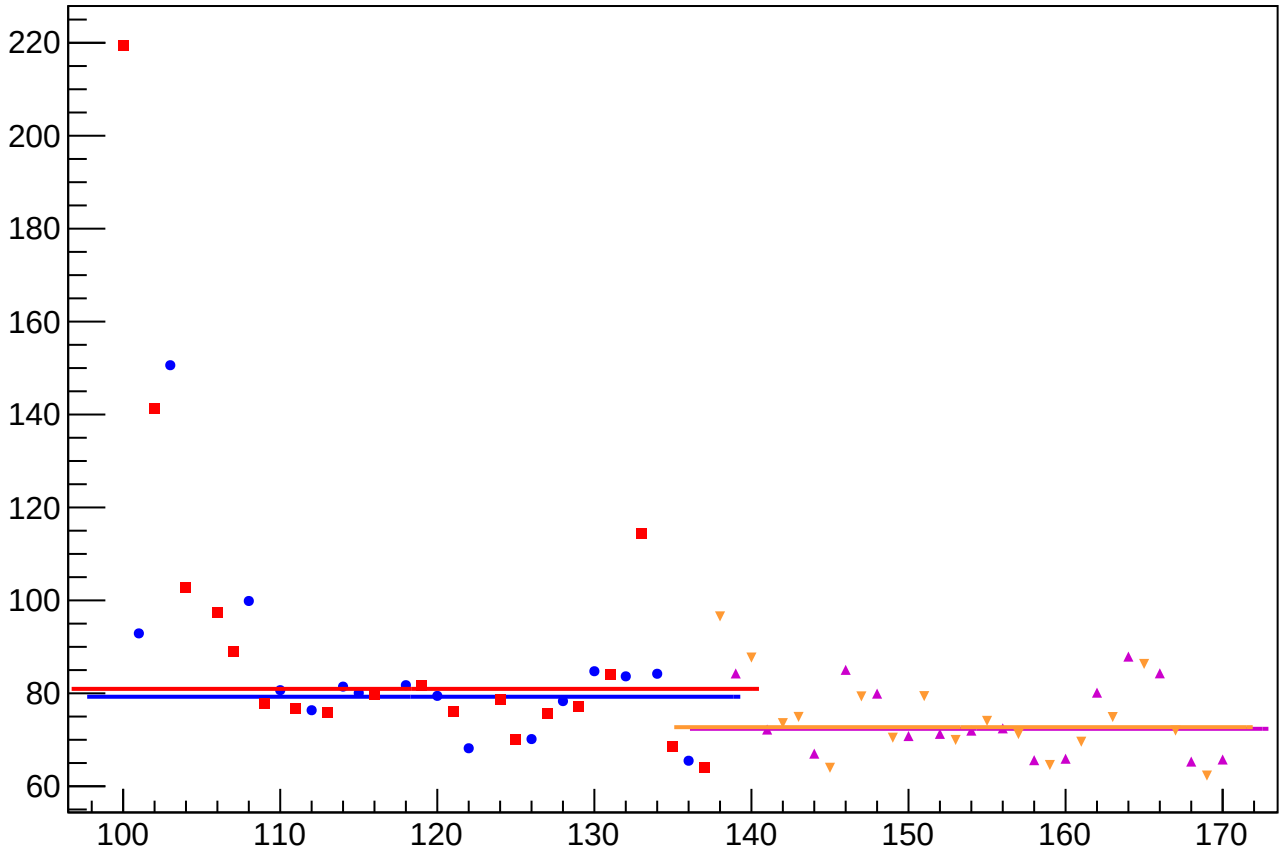
Left: 40.642+/-14.286 χ^2/NDF: 41.6/32

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.927+/-16.842 χ^2/NDF:45.9/31

Out: 33.178+/-16.853 χ^2/NDF:43.9/35

All: 37.556+/-11.913 χ^2/NDF: 89.9/67



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.714+/-0.014 χ^2/NDF:303055.8/16

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.363+/-0.014 χ^2/NDF:239473.2/15

Left: 72.539+/-0.010 χ^2/NDF: 542830.8/32

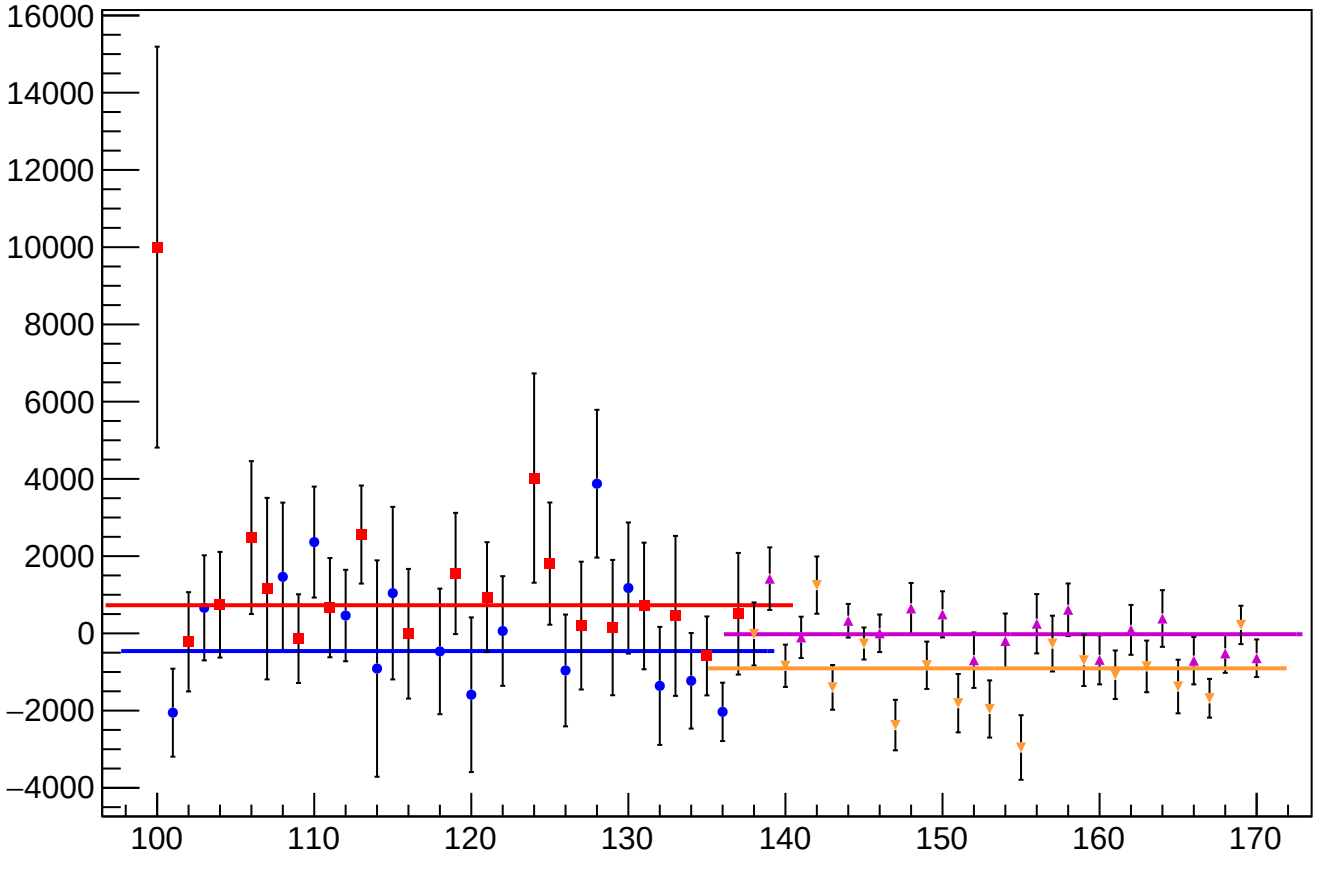
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.488+/-0.012 χ^2/NDF:755977.2/31

Out: 75.197+/-0.012 χ^2/NDF:917991.5/35

All: 74.842+/-0.008 χ^2/NDF: 1675740.4/67

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: -905.635+/-149.954 χ^2/NDF:36.2/16

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -22.244+/-149.109 χ^2/NDF:12.8/15

Left: -461.444+/-105.733 χ^2/NDF: 66.5/32

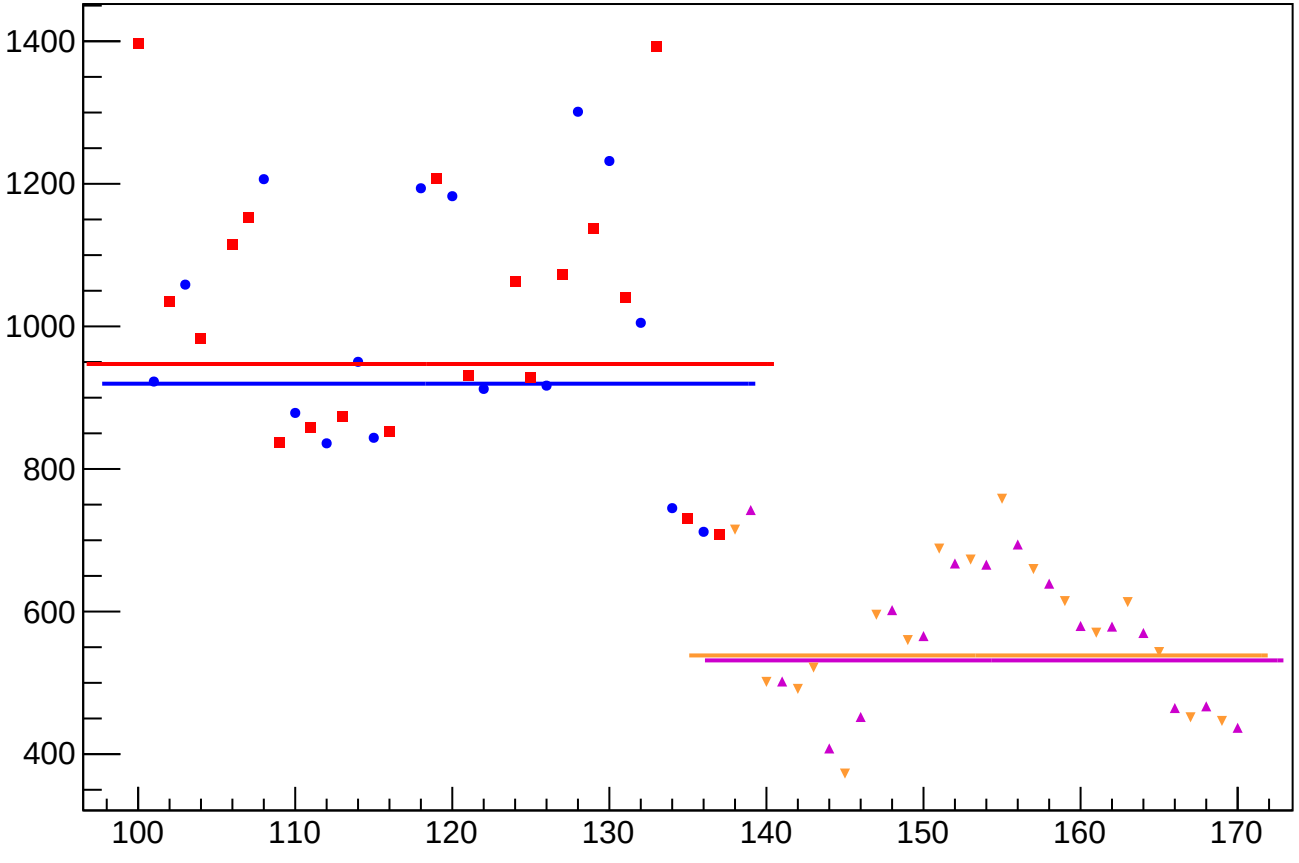
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -89.176+/-137.183 χ^2/NDF:34.4/31

Out: -655.278+/-137.991 χ^2/NDF:65.9/35

All: -370.564+/-97.288 χ^2/NDF: 108.8/67

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 538.444+/-0.106 χ^2/NDF:972663.9/16

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 531.482+/-0.105 χ^2/NDF:828068.7/15

Left: 534.943+/-0.075 χ^2/NDF: 1802900.2/32

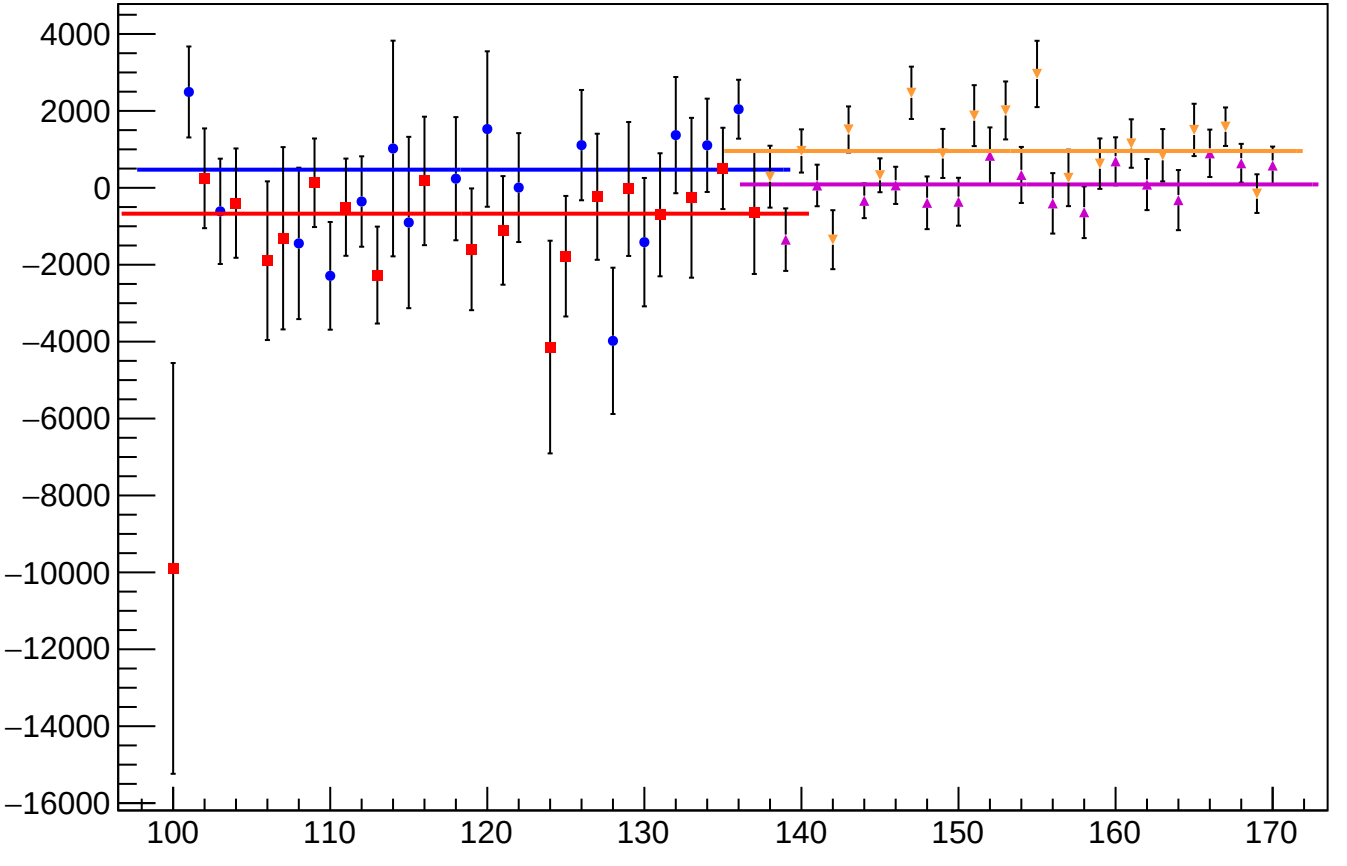
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 591.087+/-0.097 χ^2/NDF:3424716.9/31

Out: 601.068+/-0.098 χ^2/NDF:3675422.3/35

All: 596.048+/-0.069 χ^2/NDF: 7105401.6/67

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 957.102+/-153.143 χ^2/NDF:34.7/16

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 88.434+/-151.546 χ^2/NDF:12.8/15

Left: 518.214+/-107.719 χ^2/NDF: 63.8/32

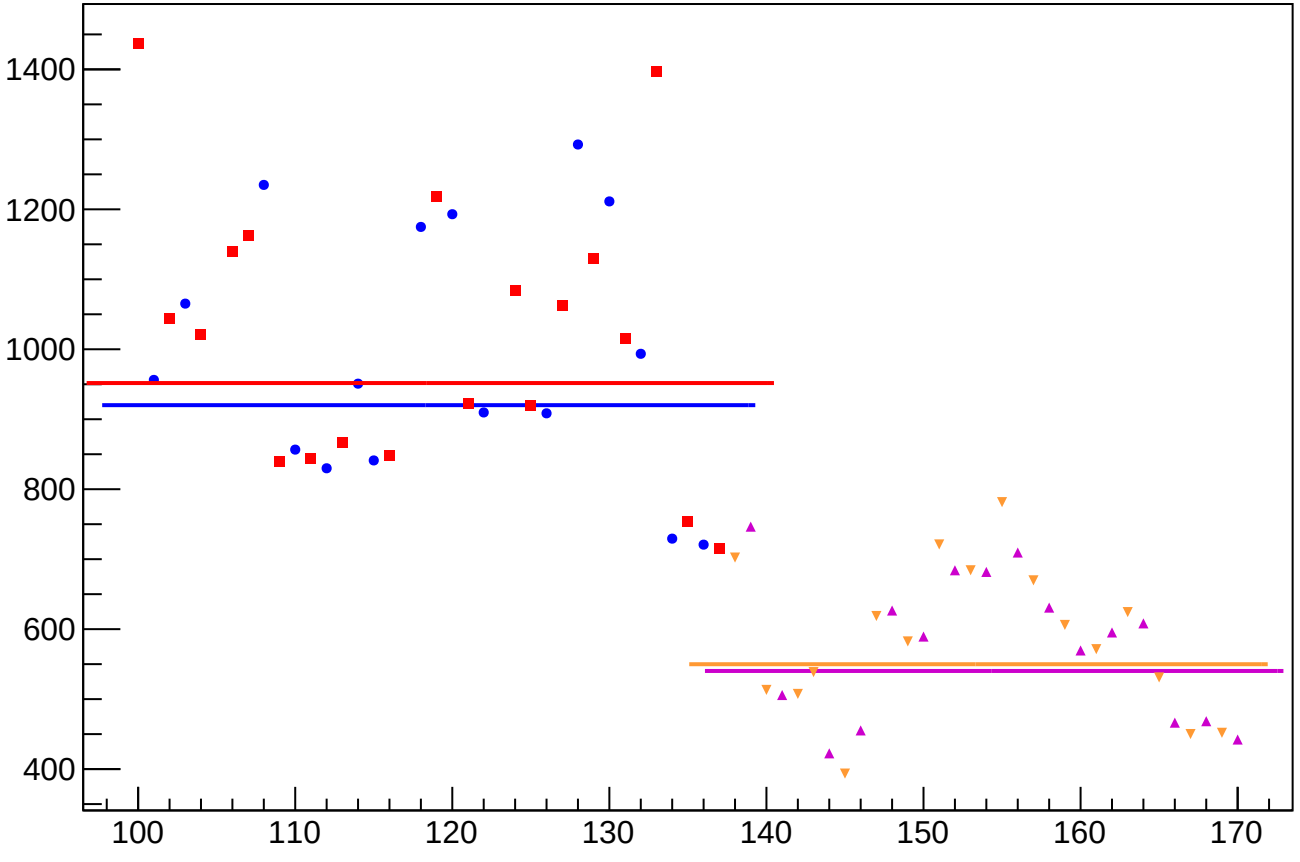
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 148.884+/-139.093 χ^2/NDF:35.3/31

Out: 700.822+/-140.587 χ^2/NDF:62.8/35

All: 421.904+/-98.877 χ^2/NDF: 105.9/67

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 549.882+/-0.108 χ^2/NDF:917342.1/16

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 540.245+/-0.107 χ^2/NDF:841248.6/15

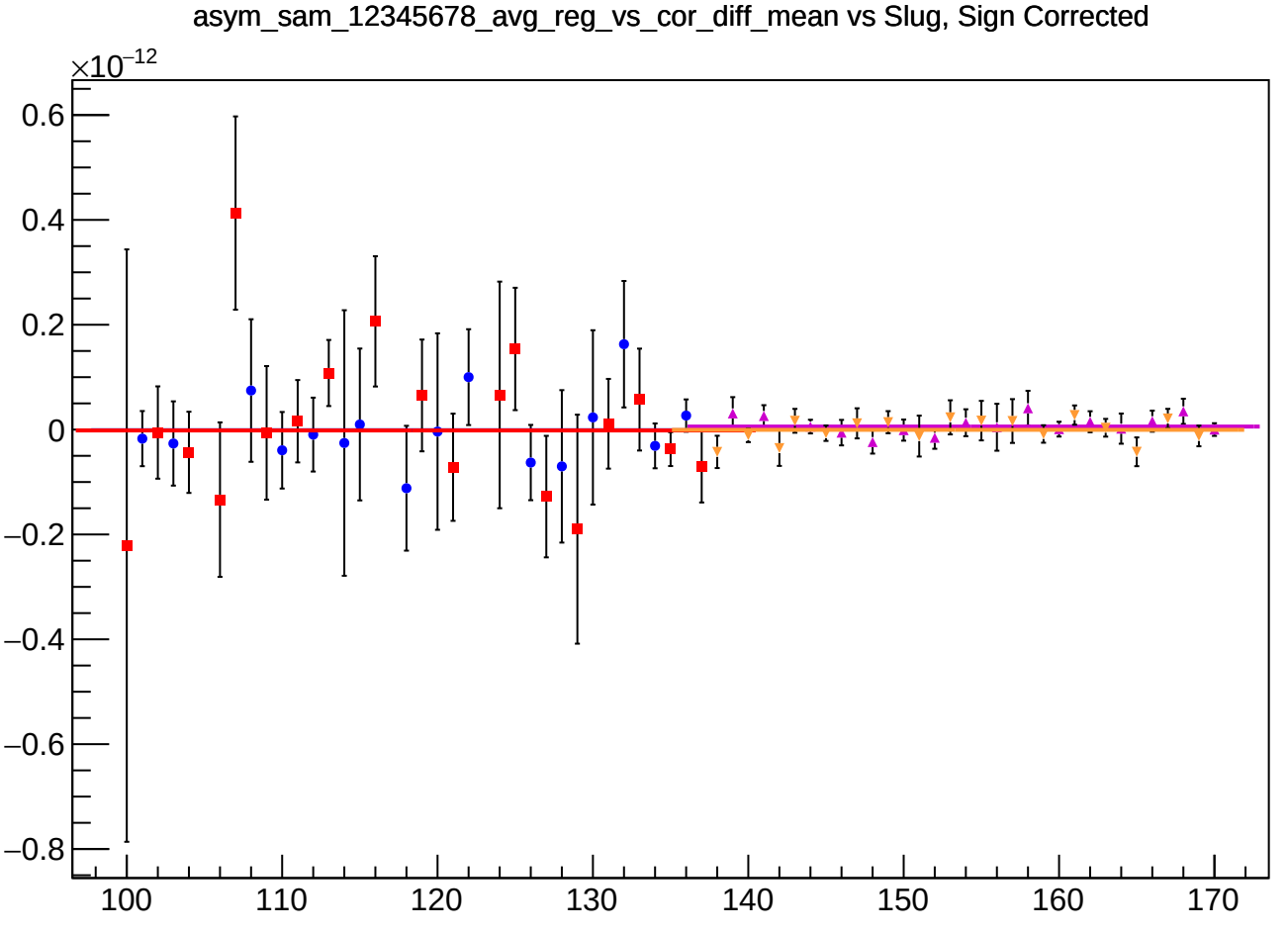
Left: 545.013+/-0.076 χ^2/NDF: 1762592.1/32

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 600.112+/-0.098 χ^2/NDF:3330435.7/31

Out: 613.077+/-0.099 χ^2/NDF:3499042.3/35

All: 606.525+/-0.070 χ^2/NDF: 6838073.6/67



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/15

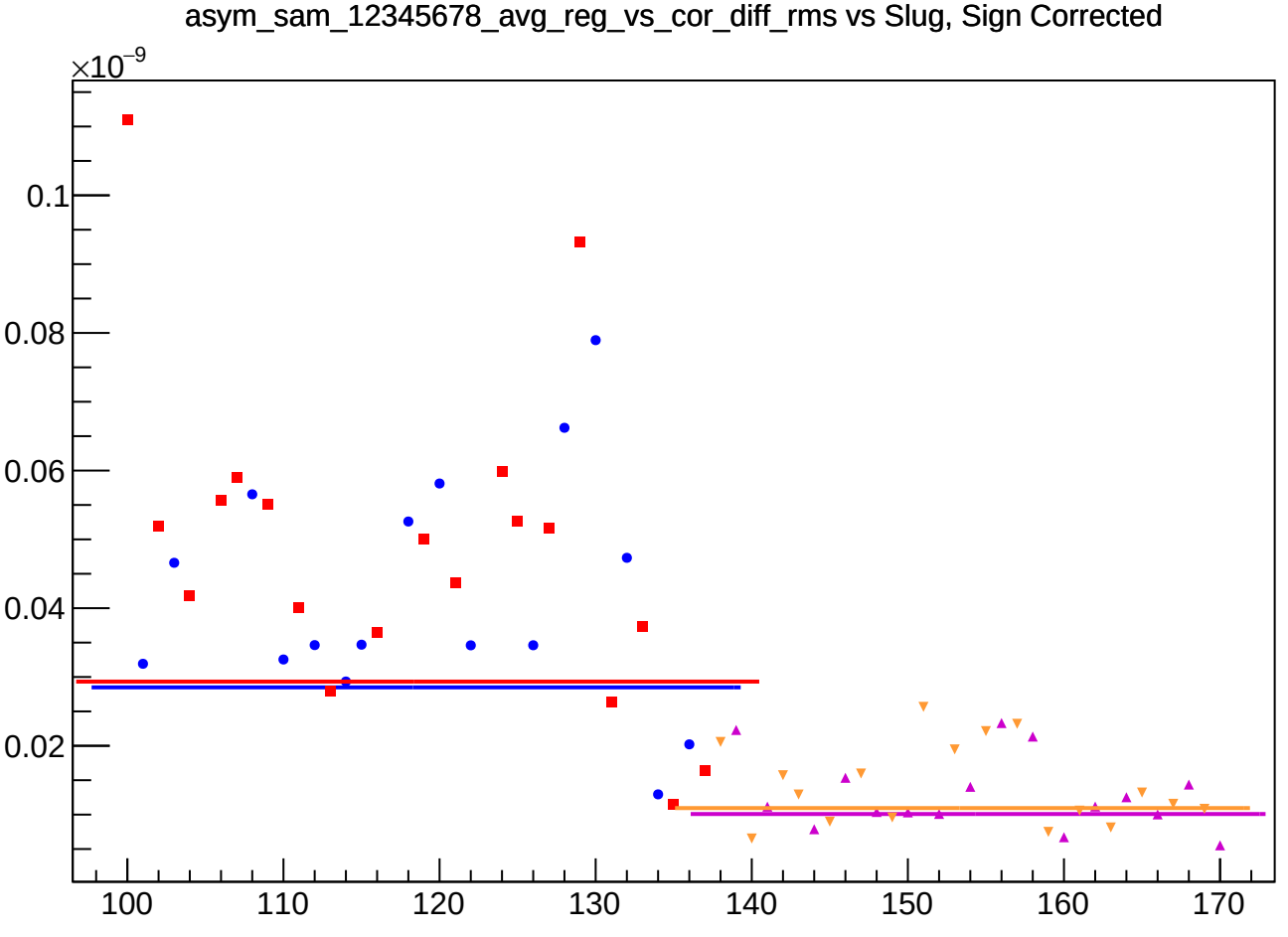
Left: 0.000+/-0.000 χ^2/NDF: 21.7/32

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.4/31

Out: -0.000+/-0.000 χ^2/NDF:32.1/35

All: 0.000+/-0.000 χ^2/NDF: 48.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510314.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1396981.2/15

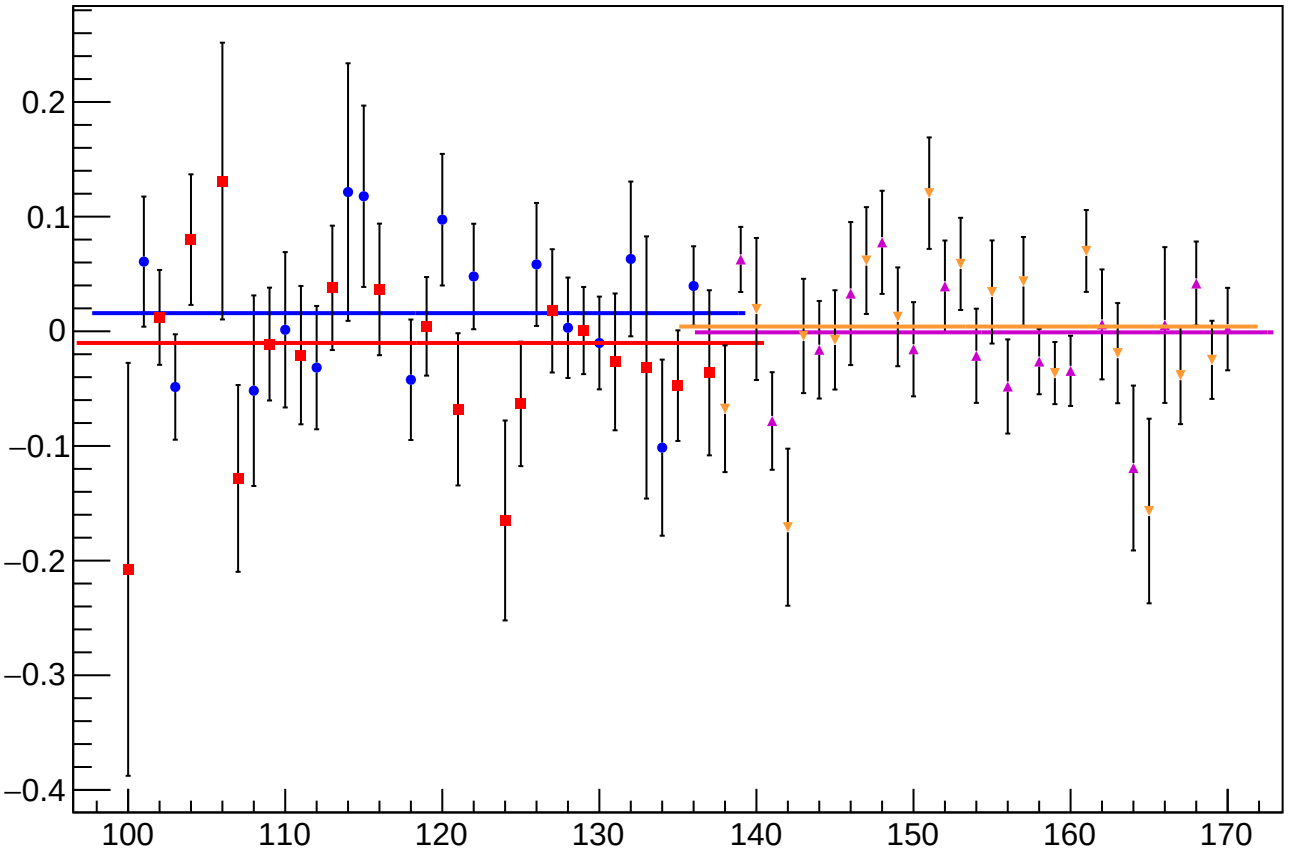
Left: 0.000+/-0.000 χ^2/NDF: 2936258.2/32

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4552022.9/31

Out: 0.000+/-0.000 χ^2/NDF:4856953.5/35

All: 0.000+/-0.000 χ^2/NDF: 9432300.9/67



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.004+/-0.010 χ^2/NDF:30.6/16

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.001+/-0.007 χ^2/NDF: 51.4/32

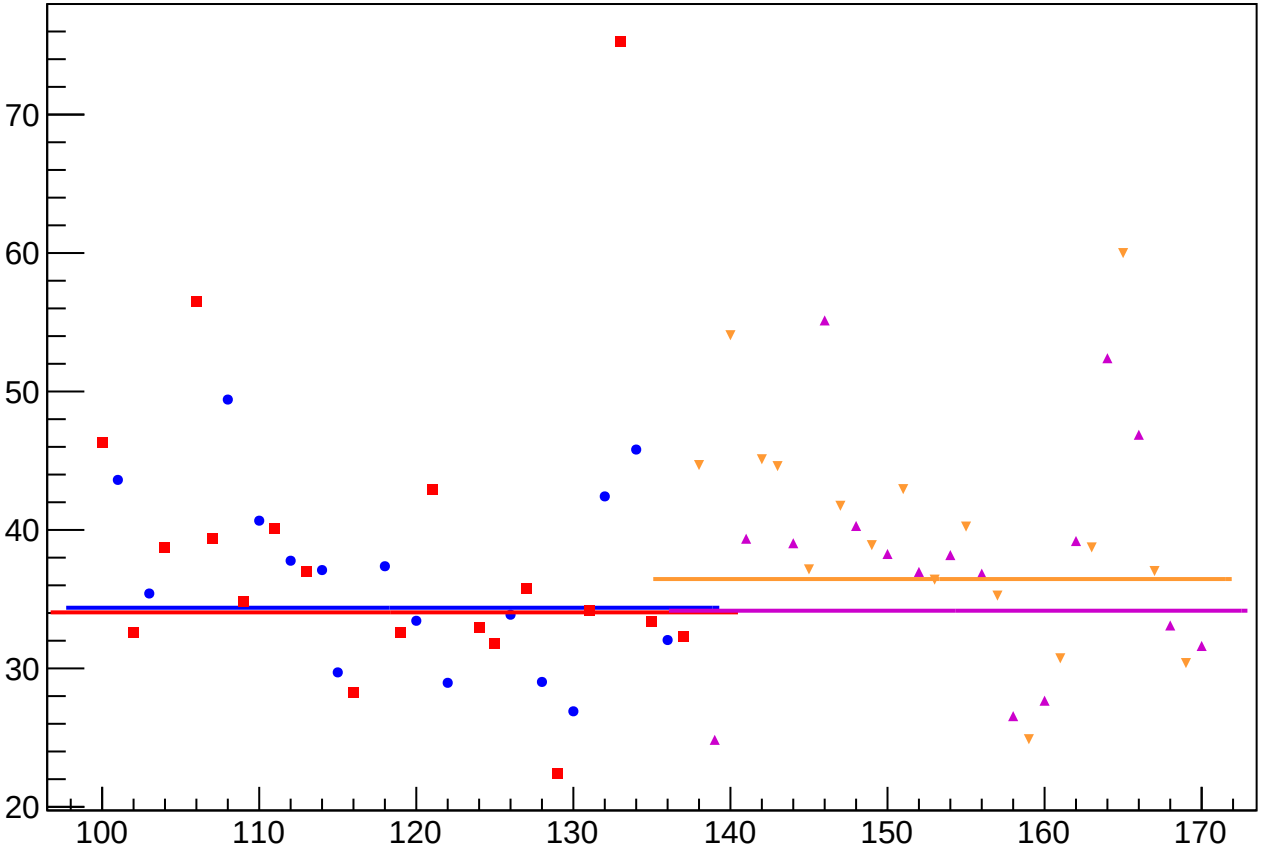
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.5/35

All: 0.002+/-0.006 χ^2/NDF: 83.2/67

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.454+/-0.007 χ^2/NDF:1032458.8/16

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.167+/-0.007 χ^2/NDF:1057194.1/15

Left: 35.252+/-0.005 χ^2/NDF: 2140079.1/32

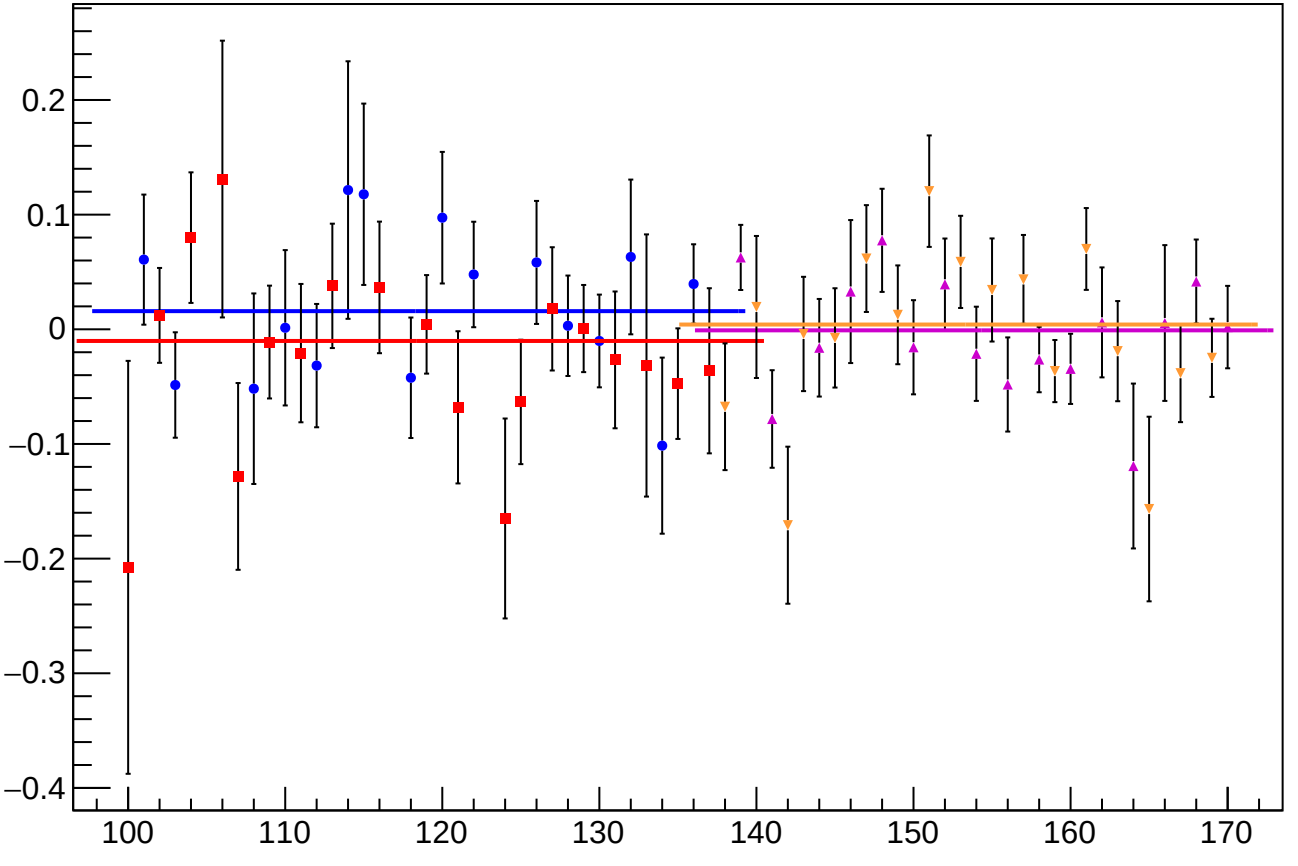
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.243+/-0.006 χ^2/NDF:1425409.1/31

Out: 35.528+/-0.006 χ^2/NDF:1716020.2/35

All: 34.868+/-0.004 χ^2/NDF: 3166720.5/67

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: 0.004+/-0.010 χ^2/NDF:30.6/16

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.001+/-0.007 χ^2/NDF: 51.4/32

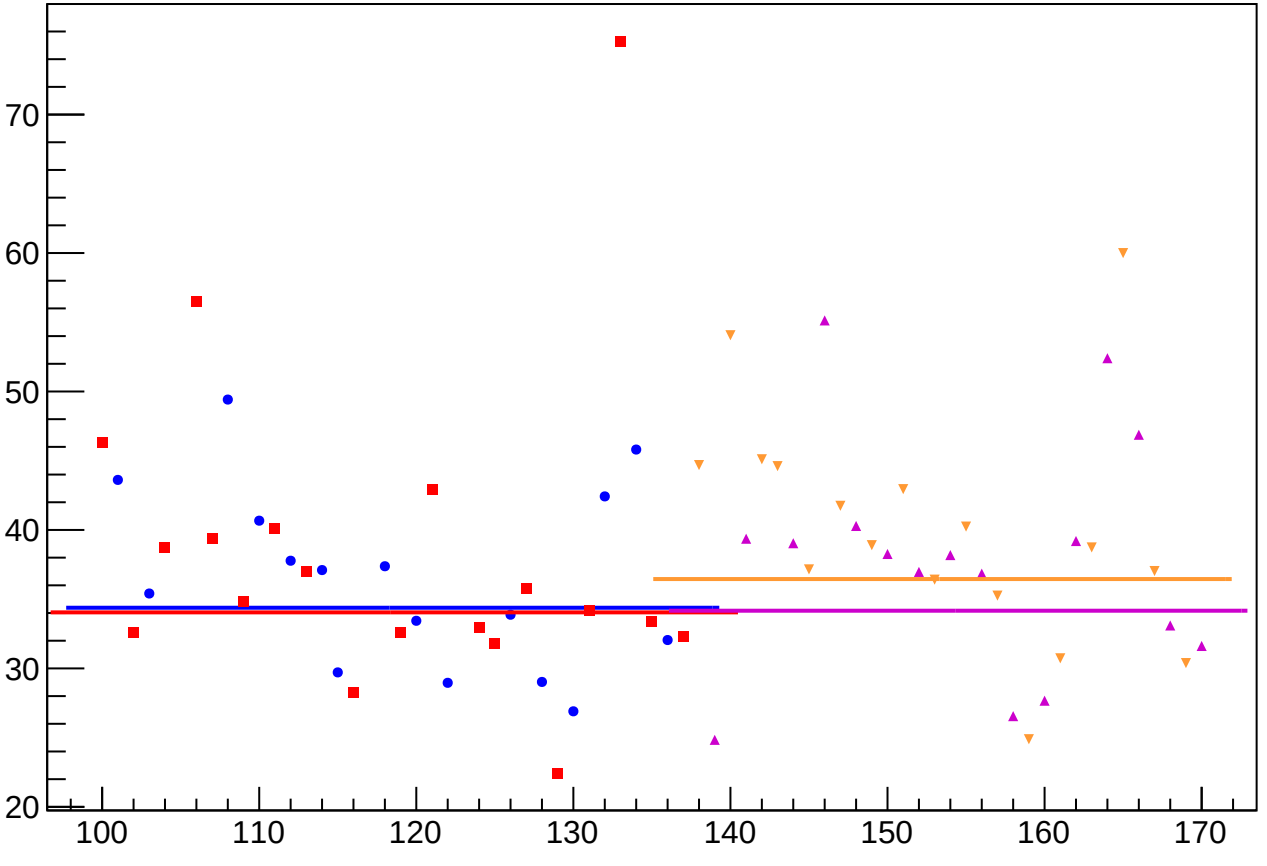
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.5/35

All: 0.002+/-0.006 χ^2/NDF: 83.2/67

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.454+/-0.007 χ^2/NDF:1032458.8/16

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.167+/-0.007 χ^2/NDF:1057194.1/15

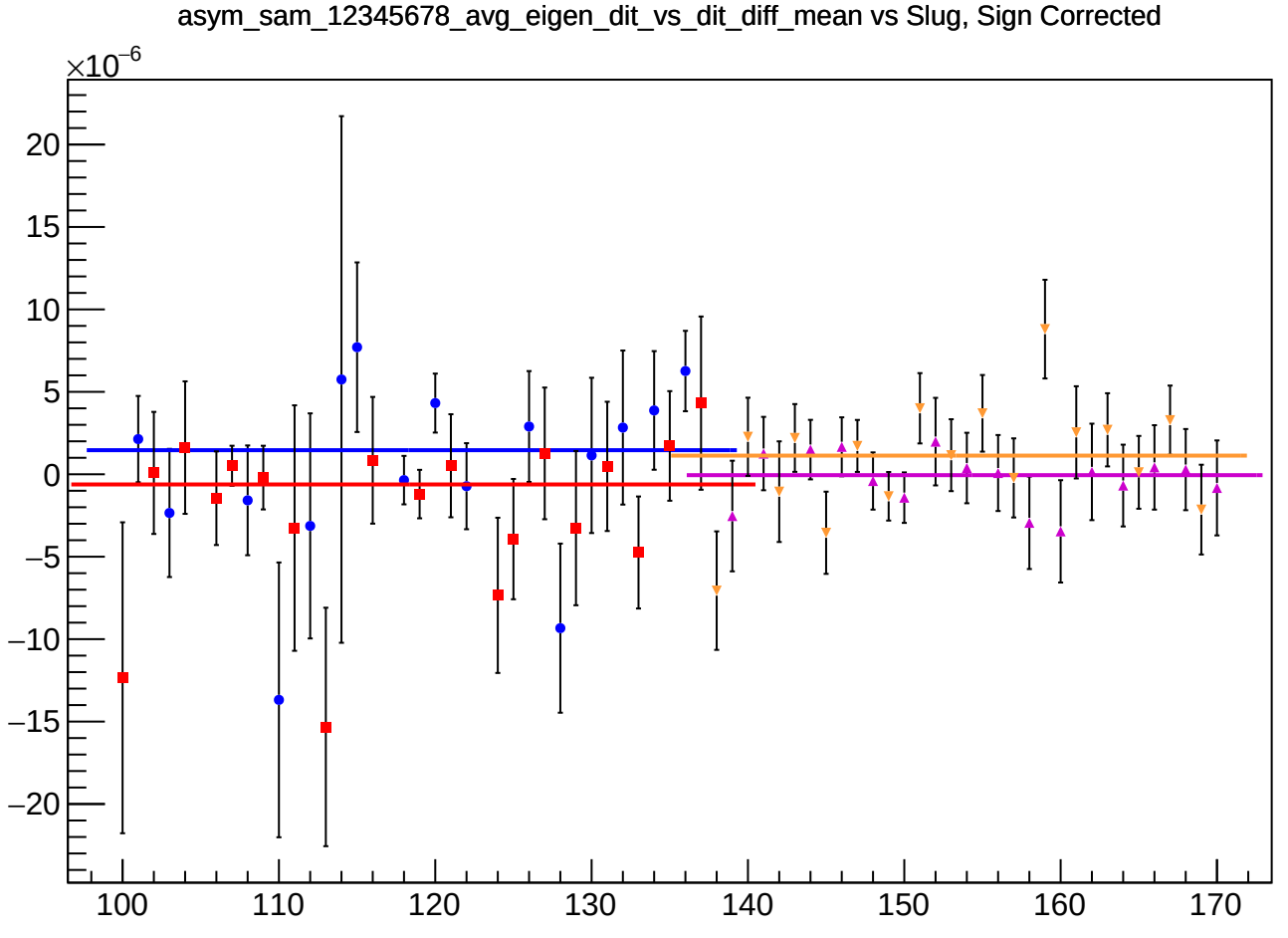
Left: 35.252+/-0.005 χ^2/NDF: 2140079.1/32

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.243+/-0.006 χ^2/NDF:1425409.1/31

Out: 35.528+/-0.006 χ^2/NDF:1716020.2/35

All: 34.868+/-0.004 χ^2/NDF: 3166720.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/15

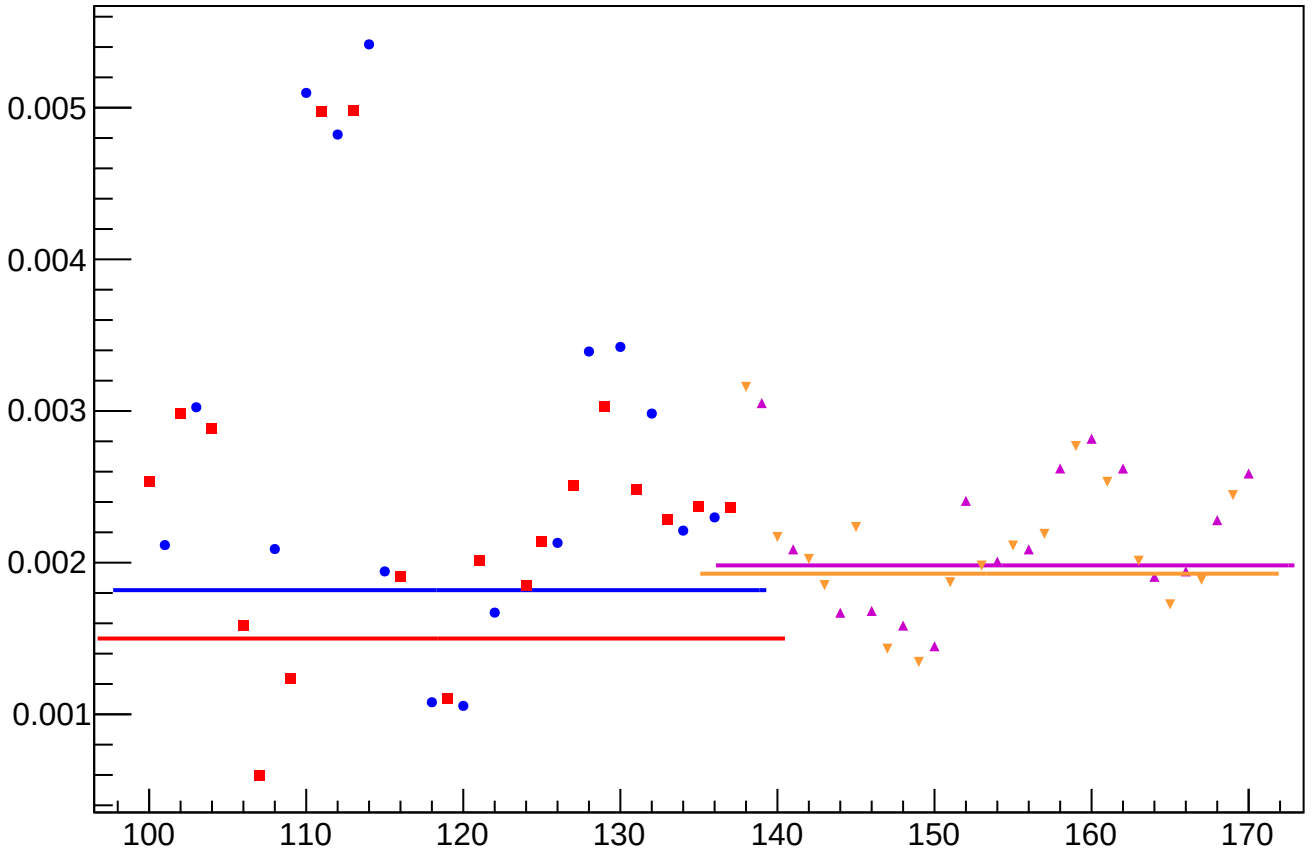
Left: 0.000+/-0.000 χ^2/NDF: 34.9/32

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:30.1/31

Out: 0.000+/-0.000 χ^2/NDF:44.3/35

All: 0.000+/-0.000 χ^2/NDF: 74.4/67



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1184386.1/16

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1191425.2/15

Left: 0.002+/-0.000 χ^2/NDF: 2385632.0/32

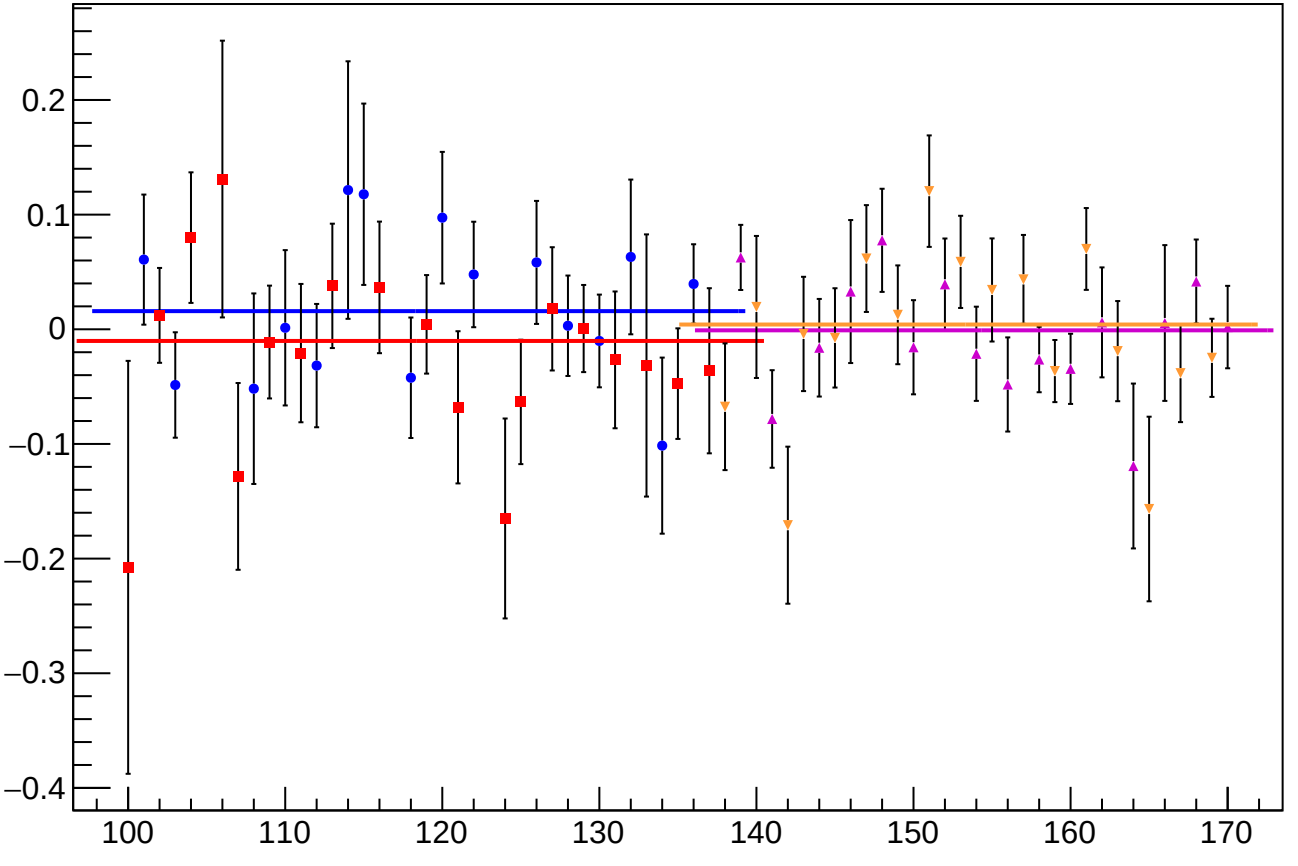
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3822116.9/31

Out: 0.002+/-0.000 χ^2/NDF:5388779.7/35

All: 0.002+/-0.000 χ^2/NDF: 9369080.6/67

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: 0.004+/-0.010 χ^2/NDF:30.6/16

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.001+/-0.007 χ^2/NDF: 51.4/32

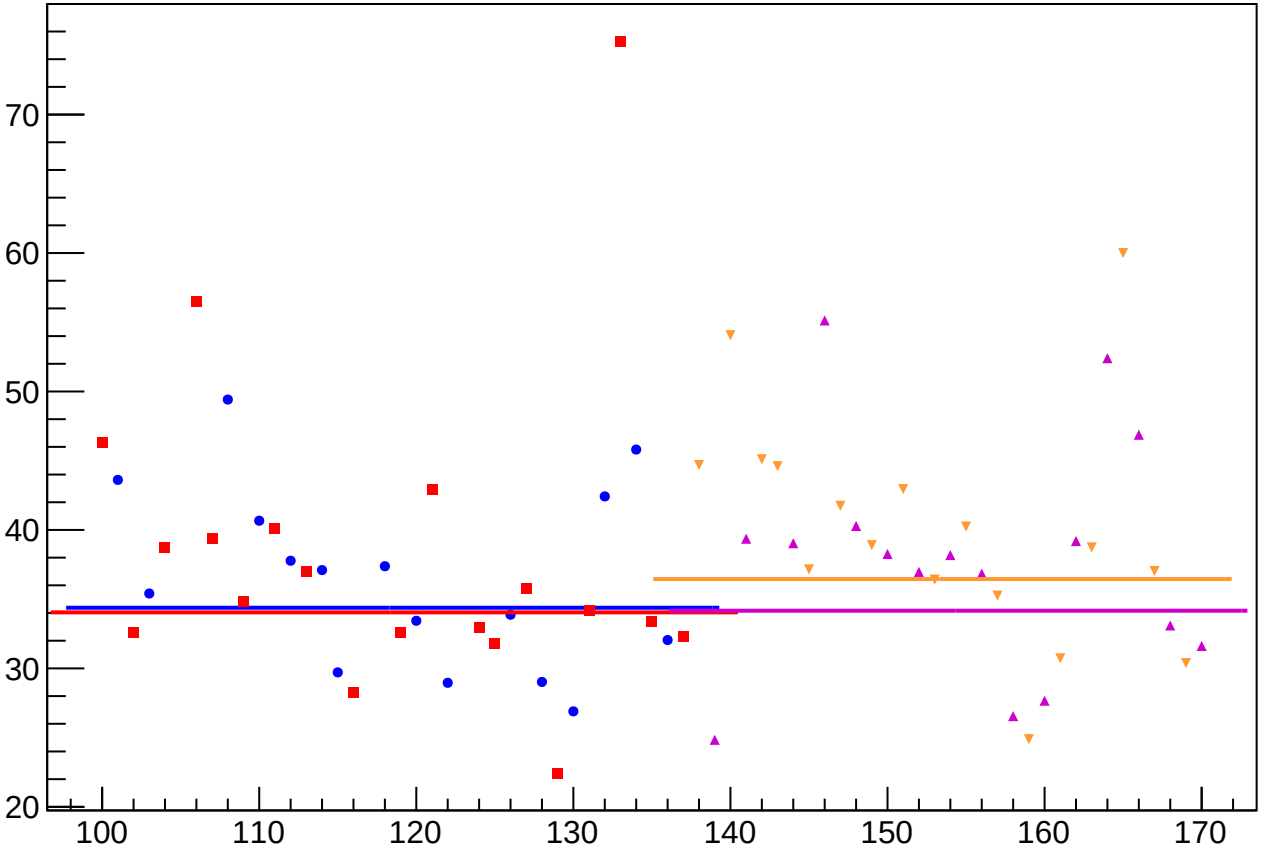
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.5/35

All: 0.002+/-0.006 χ^2/NDF: 83.2/67

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.454+/-0.007 χ^2/NDF:1032515.1/16

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.167+/-0.007 χ^2/NDF:1057264.2/15

Left: 35.252+/-0.005 χ^2/NDF: 2140203.0/32

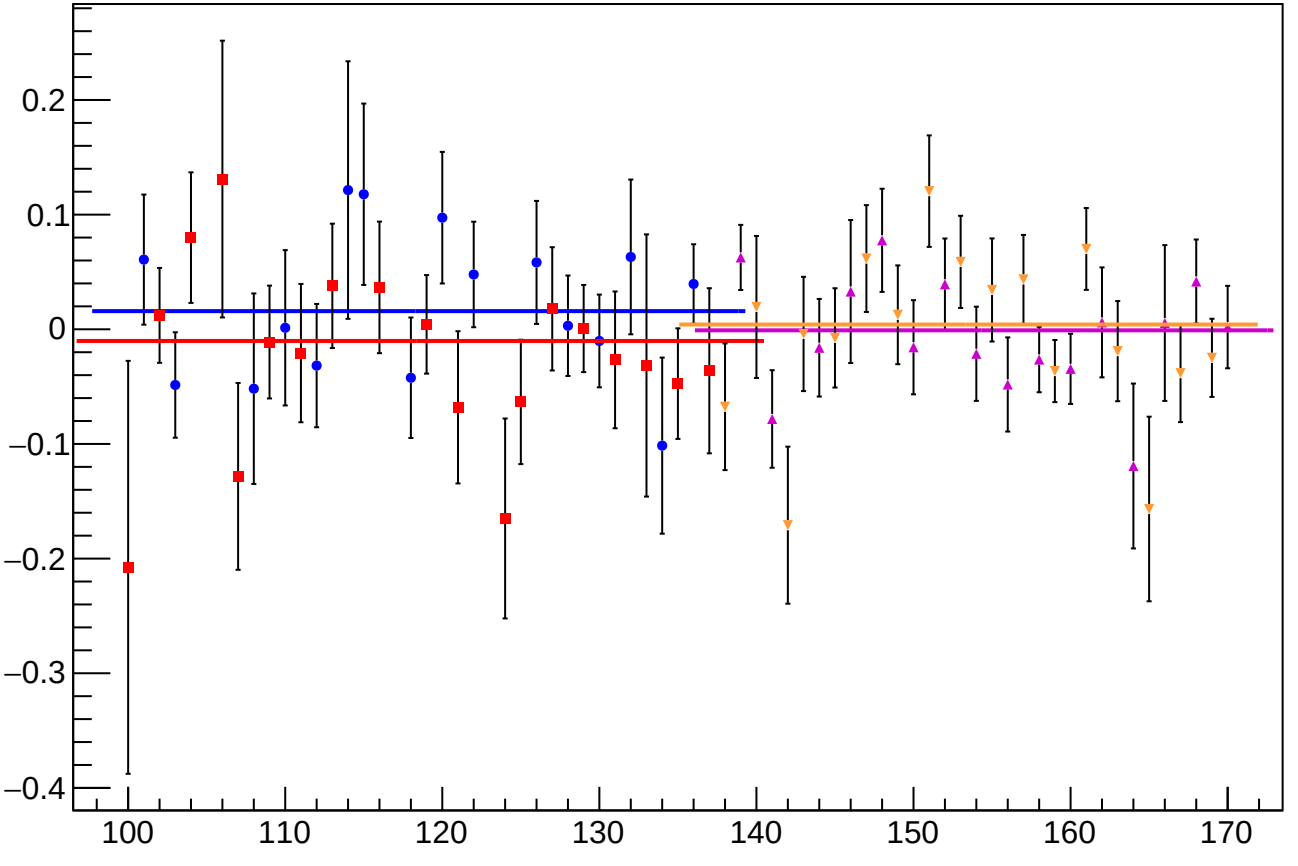
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.243+/-0.006 χ^2/NDF:1425533.1/31

Out: 35.528+/-0.006 χ^2/NDF:1716147.7/35

All: 34.868+/-0.004 χ^2/NDF: 3166972.3/67

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: 0.004+/-0.010 χ^2/NDF:30.6/16

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.001+/-0.007 χ^2/NDF: 51.4/32

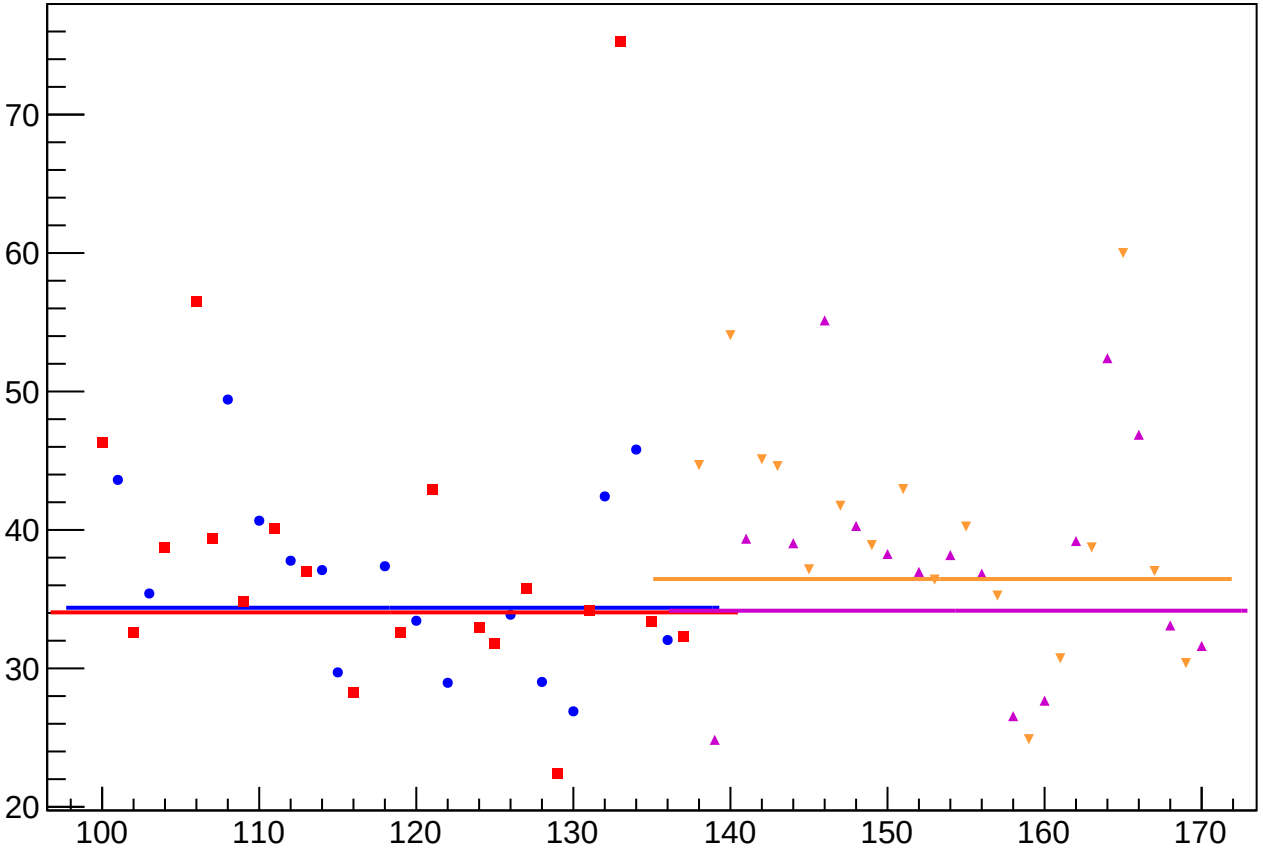
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.5/35

All: 0.002+/-0.006 χ^2/NDF: 83.2/67

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.454+/-0.007 χ^2/NDF:1032515.1/16

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.167+/-0.007 χ^2/NDF:1057264.2/15

Left: 35.252+/-0.005 χ^2/NDF: 2140203.0/32

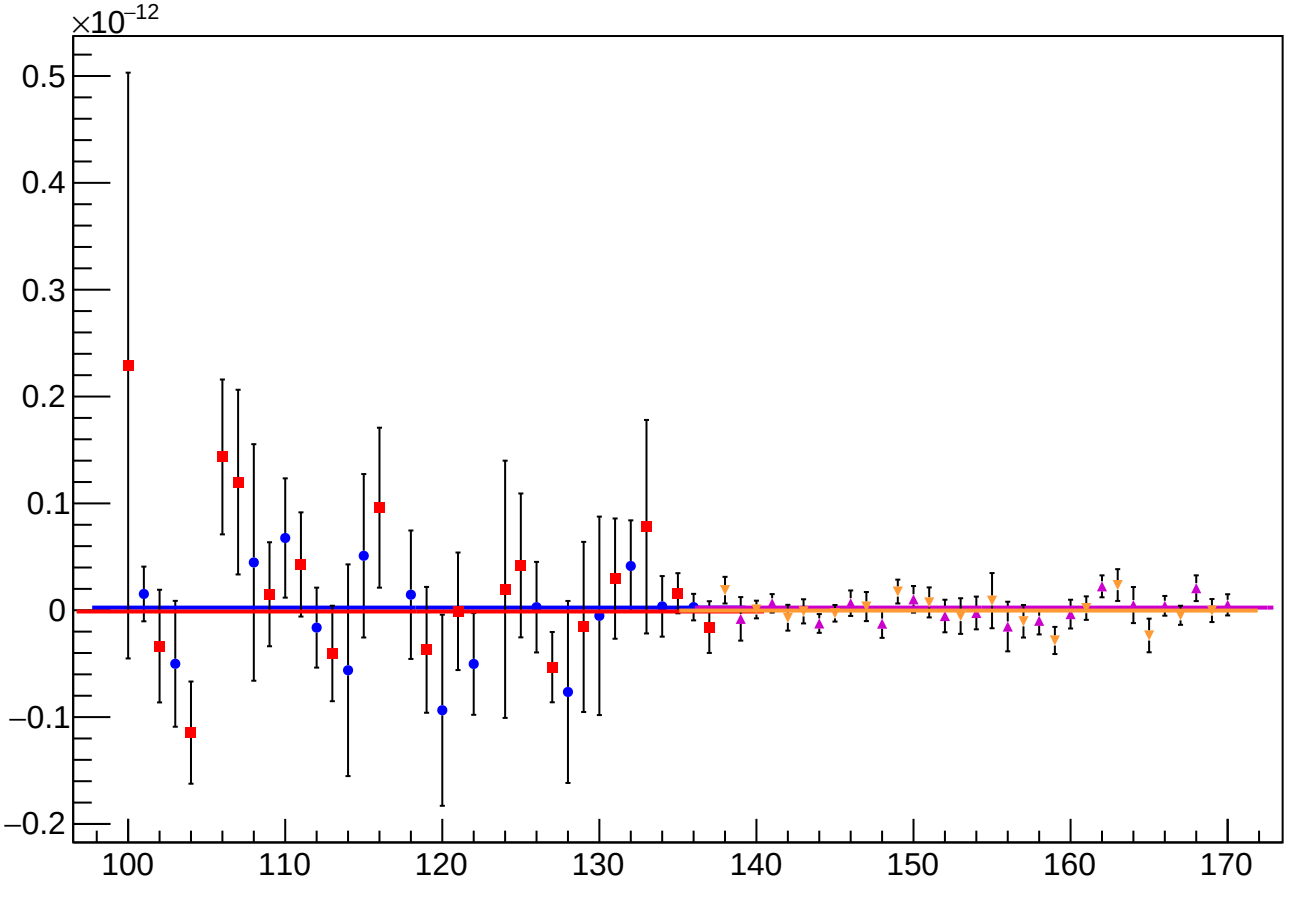
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.243+/-0.006 χ^2/NDF:1425533.1/31

Out: 35.528+/-0.006 χ^2/NDF:1716147.7/35

All: 34.868+/-0.004 χ^2/NDF: 3166972.3/67

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/15

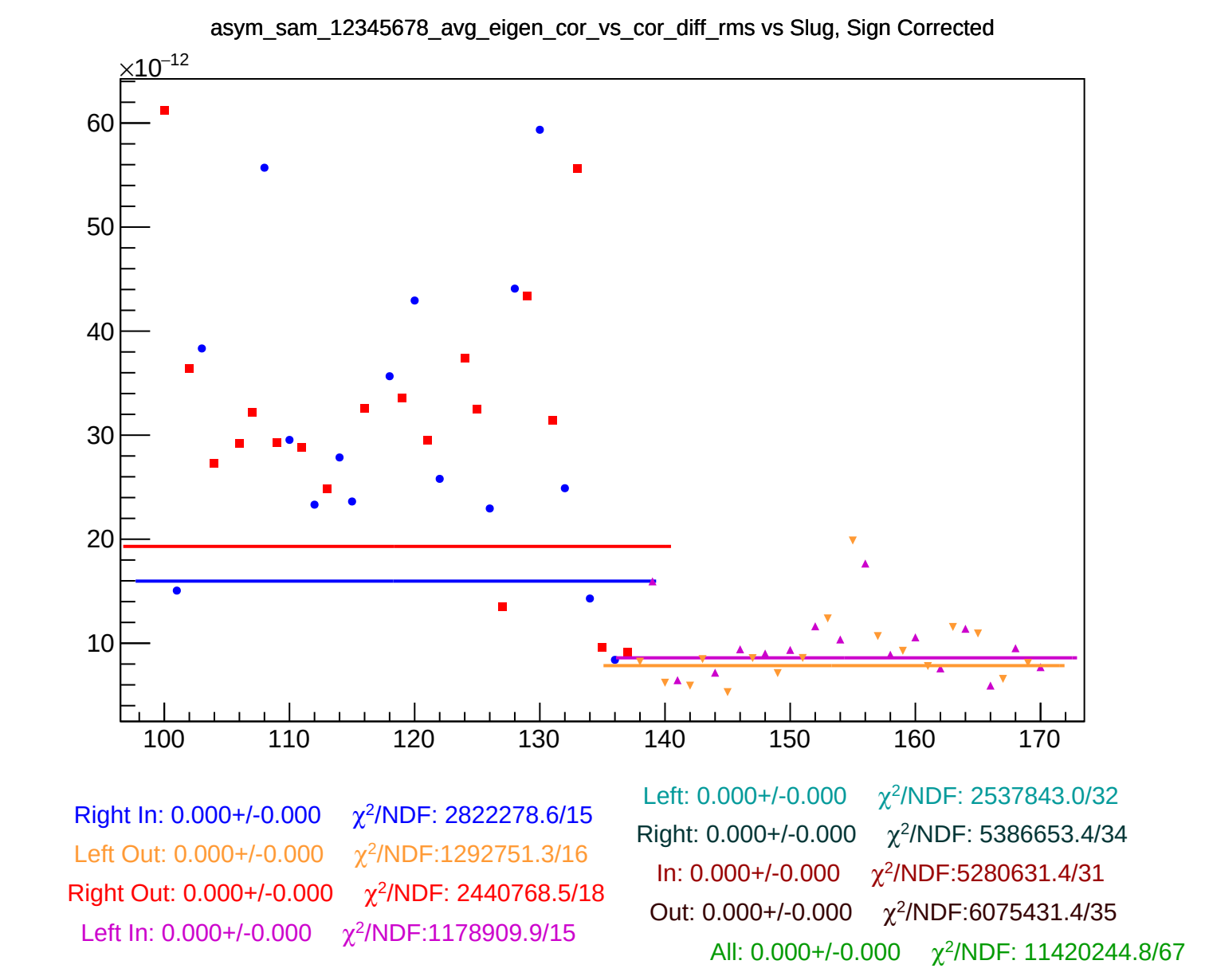
Left: 0.000+/-0.000 χ^2/NDF: 30.1/32

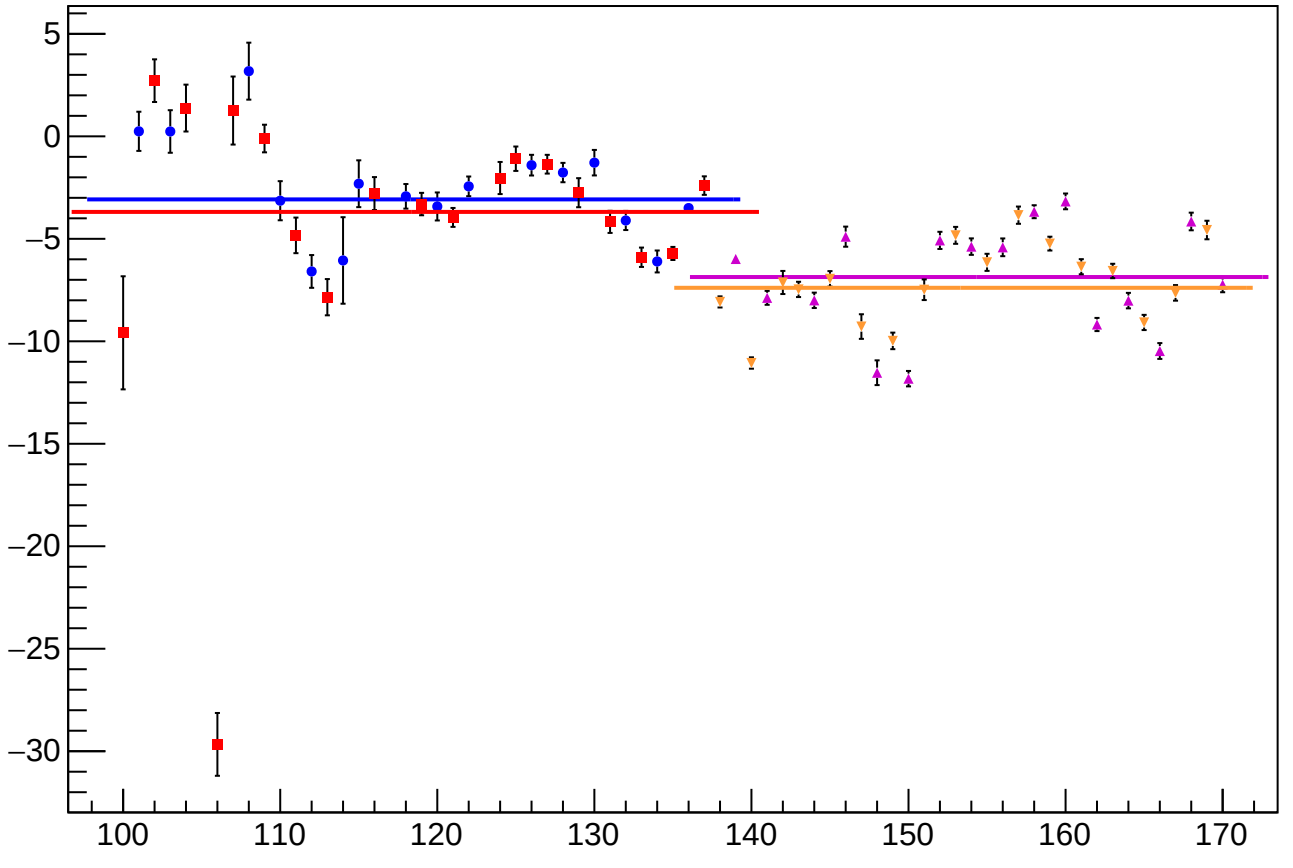
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/31

Out: -0.000+/-0.000 χ^2/NDF:37.8/35

All: 0.000+/-0.000 χ^2/NDF: 59.3/67


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1292751.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1178909.9/15
Left: 0.000+/-0.000 χ²/NDF: 2537843.0/32
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5280631.4/31
Out: 0.000+/-0.000 χ²/NDF:6075431.4/35
All: 0.000+/-0.000 χ²/NDF: 11420244.8/67



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.390+/-0.092 χ^2/NDF:466.2/16

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.864+/-0.092 χ^2/NDF:706.7/15

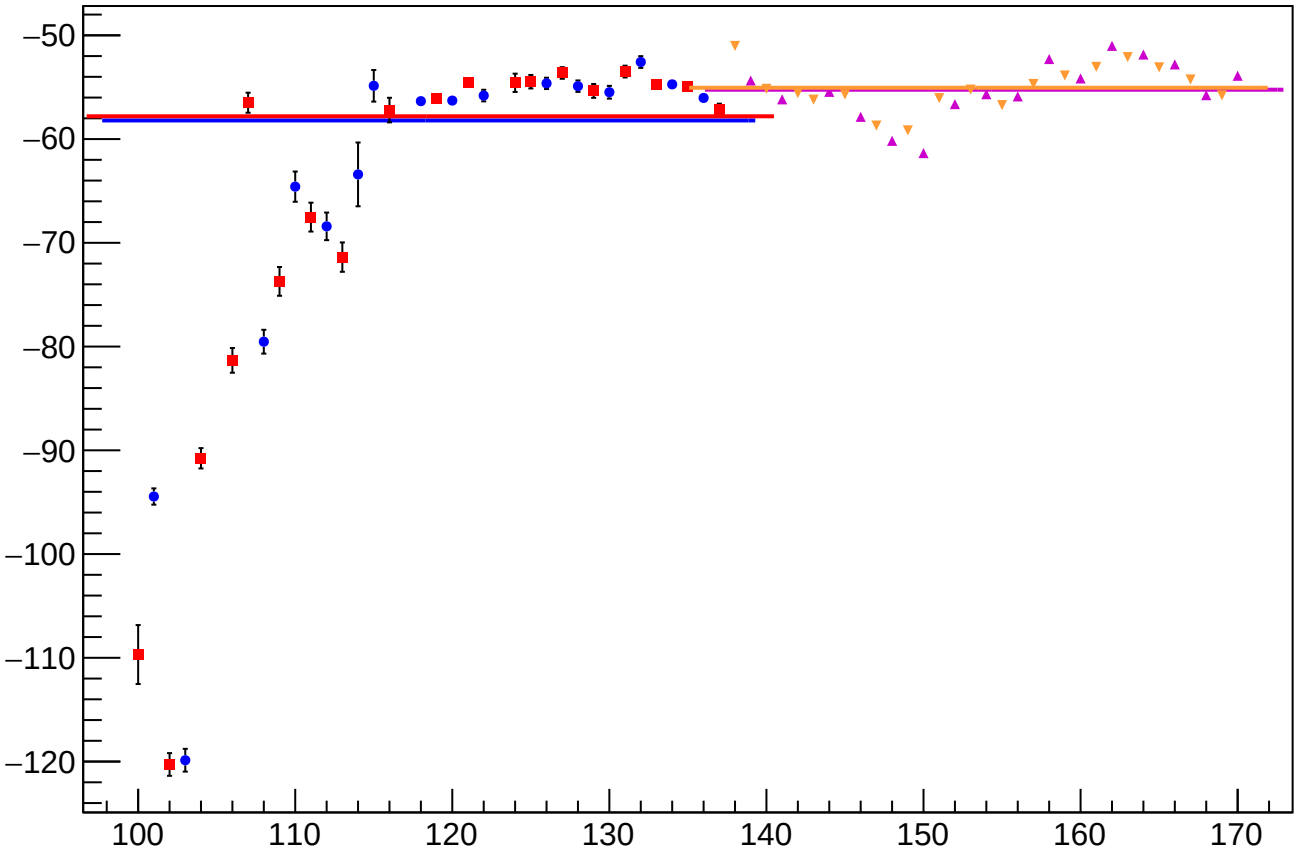
Left: -7.127+/-0.065 χ^2/NDF: 1189.1/32

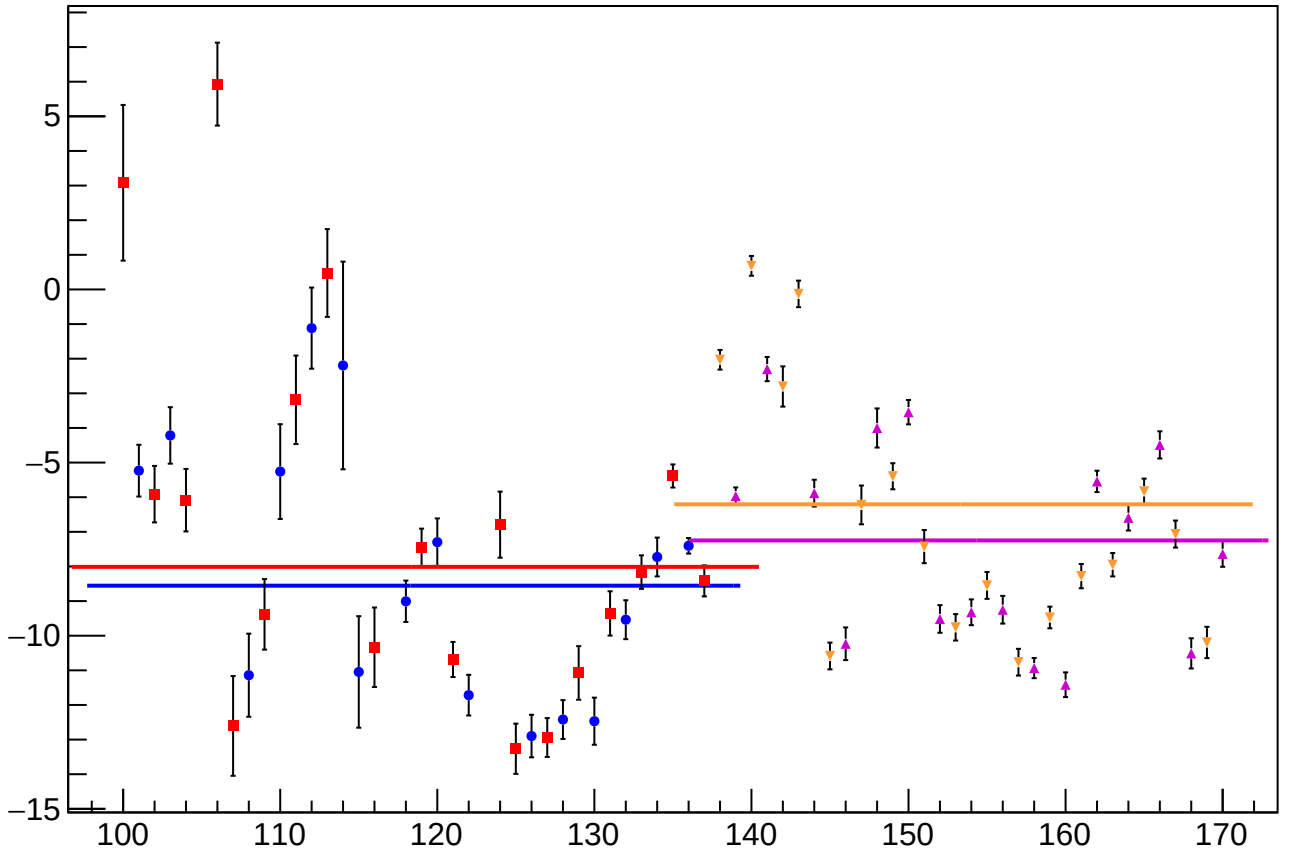
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.658+/-0.076 χ^2/NDF:1375.1/31

Out: -6.270+/-0.077 χ^2/NDF:1487.6/35

All: -5.961+/-0.054 χ^2/NDF: 2894.6/67


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.052+/-0.068 χ²/NDF:938.7/16
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.242+/-0.070 χ²/NDF:1682.9/15
Left: -55.144+/-0.049 χ²/NDF: 2625.4/32
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -55.864+/-0.062 χ²/NDF:8187.0/31
Out: -55.585+/-0.061 χ²/NDF:7049.8/35
All: -55.722+/-0.044 χ²/NDF: 15247.1/67



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.204+/-0.091 χ^2/NDF:1739.8/16

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.249+/-0.090 χ^2/NDF:947.7/15

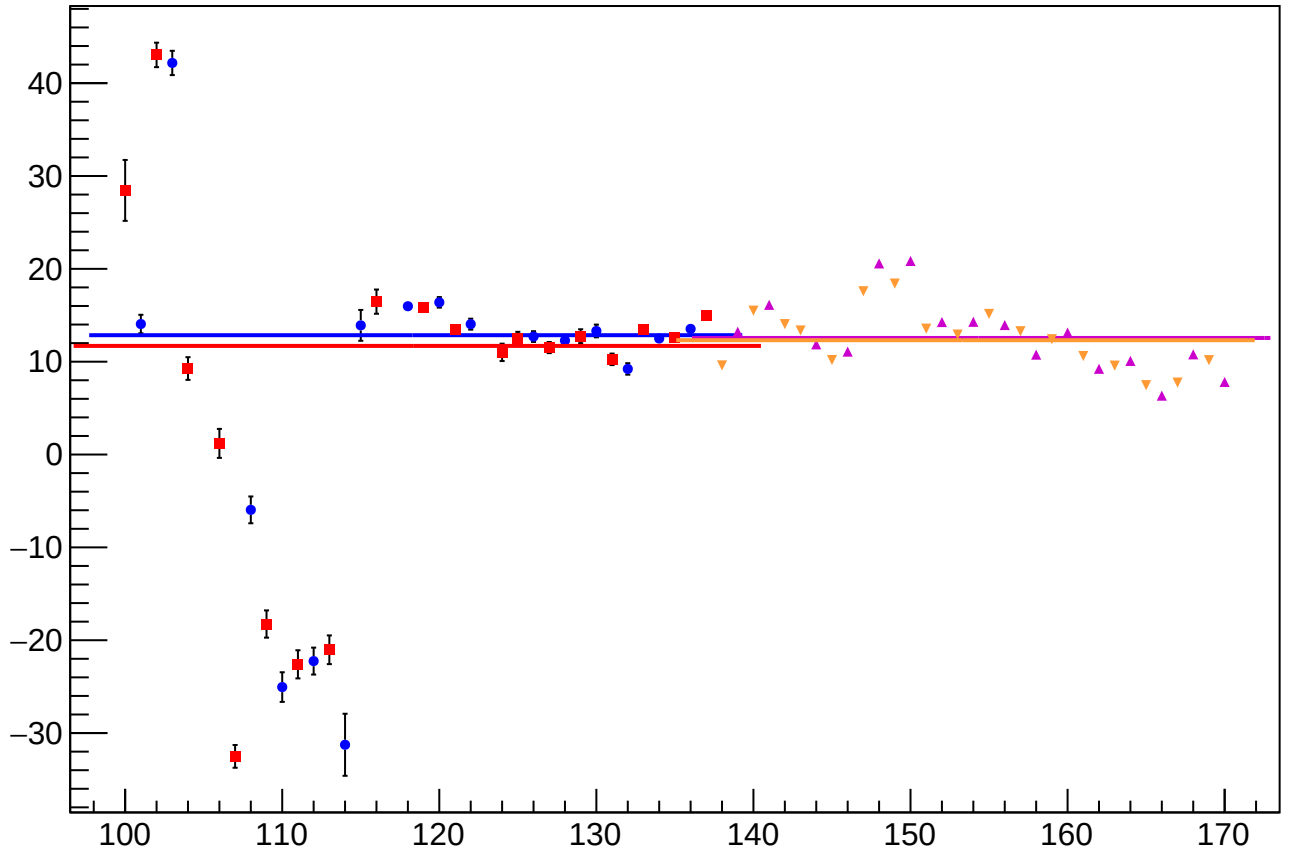
Left: -6.728+/-0.064 χ^2/NDF: 2754.2/32

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.615+/-0.077 χ^2/NDF:1307.1/31

Out: -6.674+/-0.078 χ^2/NDF:2332.5/35

All: -7.152+/-0.055 χ^2/NDF: 3713.7/67



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.314+/-0.077 χ^2/NDF:1529.0/16

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 12.555+/-0.078 χ^2/NDF:2325.2/15

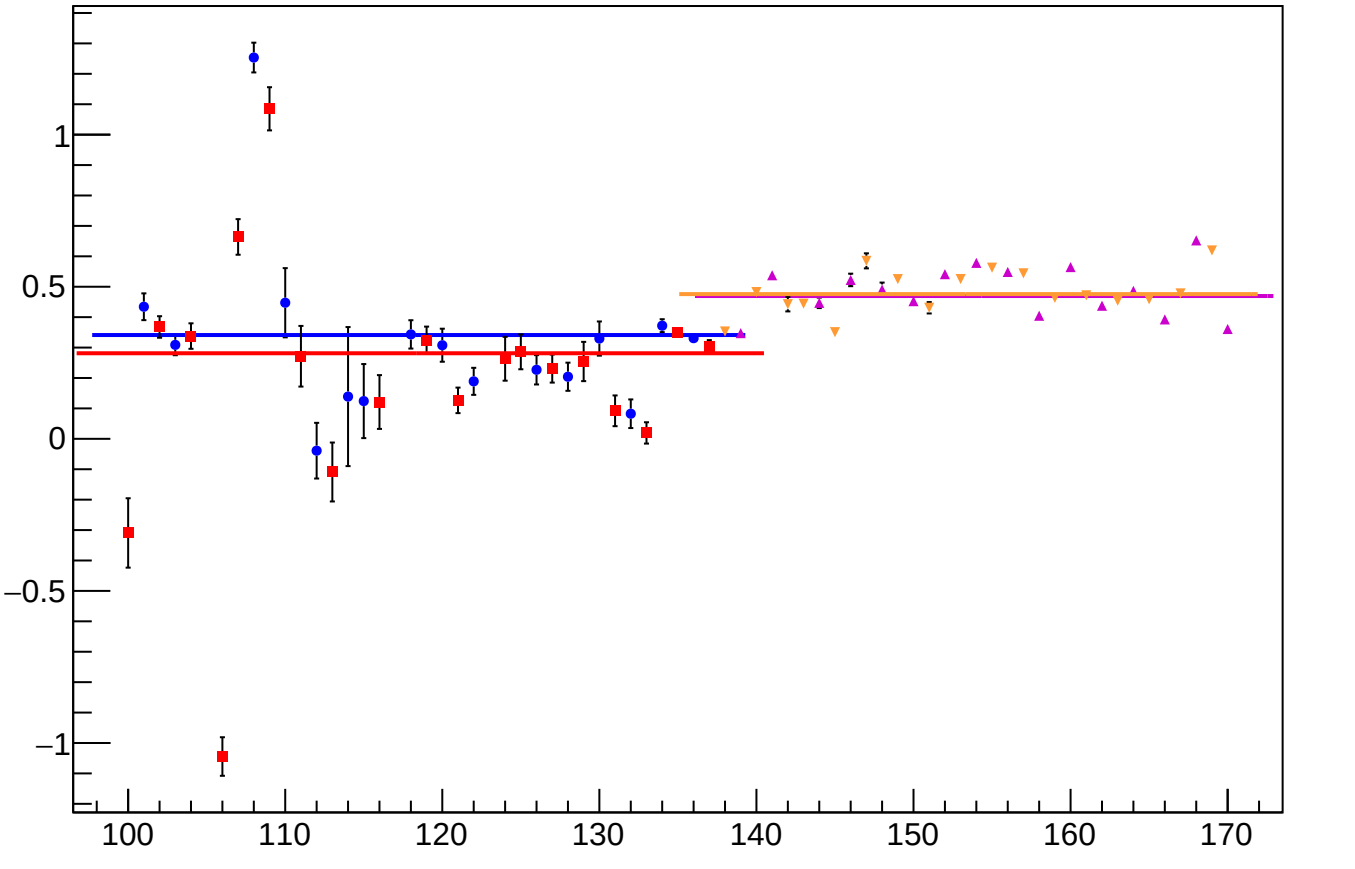
Left: 12.433+/-0.055 χ^2/NDF: 3859.1/32

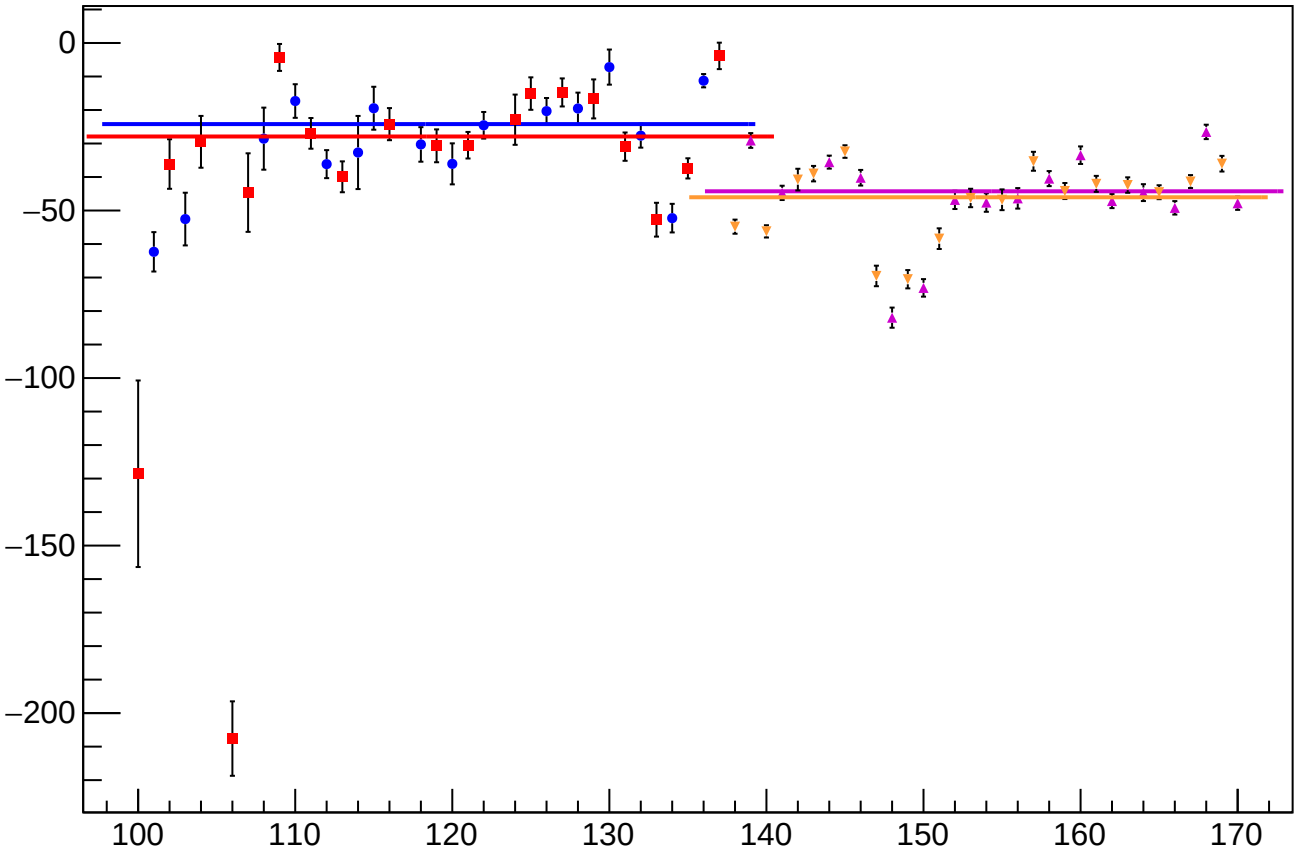
Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.619+/-0.069 χ^2/NDF:4456.7/31

Out: 12.193+/-0.069 χ^2/NDF:5040.5/35

All: 12.404+/-0.049 χ^2/NDF: 9516.2/67


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
Right In: 0.341+/-0.008 χ²/NDF: 434.8/15
Left Out: 0.476+/-0.003 χ²/NDF:410.6/16
Right Out: 0.281+/-0.008 χ²/NDF: 777.6/18
Left In: 0.469+/-0.003 χ²/NDF:710.3/15
Left: 0.473+/-0.002 χ²/NDF: 1122.6/32
Right: 0.313+/-0.006 χ²/NDF: 1239.2/34
In: 0.450+/-0.003 χ²/NDF:1370.3/31
Out: 0.449+/-0.003 χ²/NDF:1642.4/35
All: 0.450+/-0.002 χ²/NDF: 3012.7/67



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.043+/-0.576 χ^2/NDF:313.2/16

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -44.261+/-0.583 χ^2/NDF:450.9/15

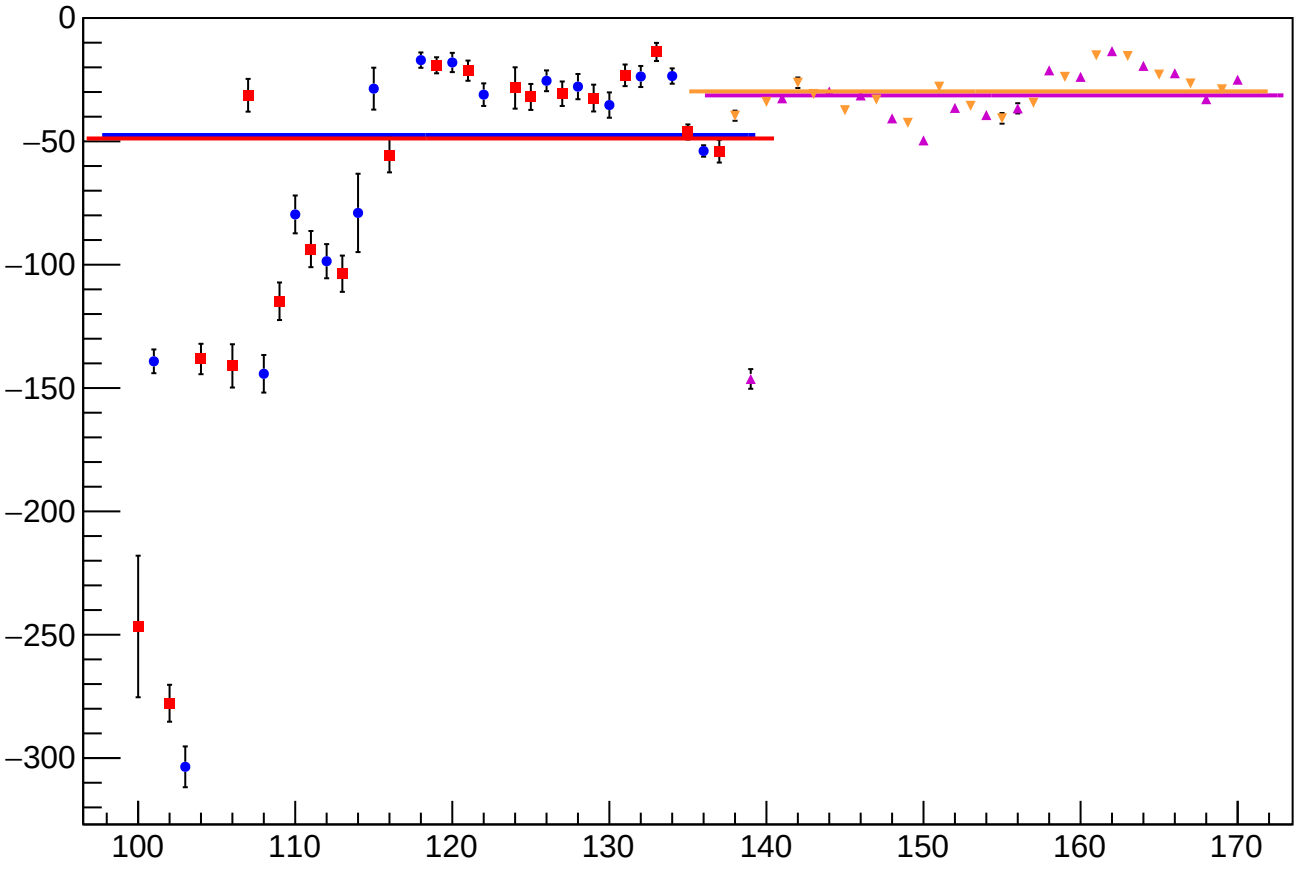
Left: -45.163+/-0.410 χ^2/NDF: 768.8/32

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.780+/-0.514 χ^2/NDF:886.3/31

Out: -42.342+/-0.514 χ^2/NDF:929.2/35

All: -41.061+/-0.363 χ^2/NDF: 1827.9/67



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.742+/-0.410 χ^2/NDF:355.7/16

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.360+/-0.418 χ^2/NDF:1289.1/15

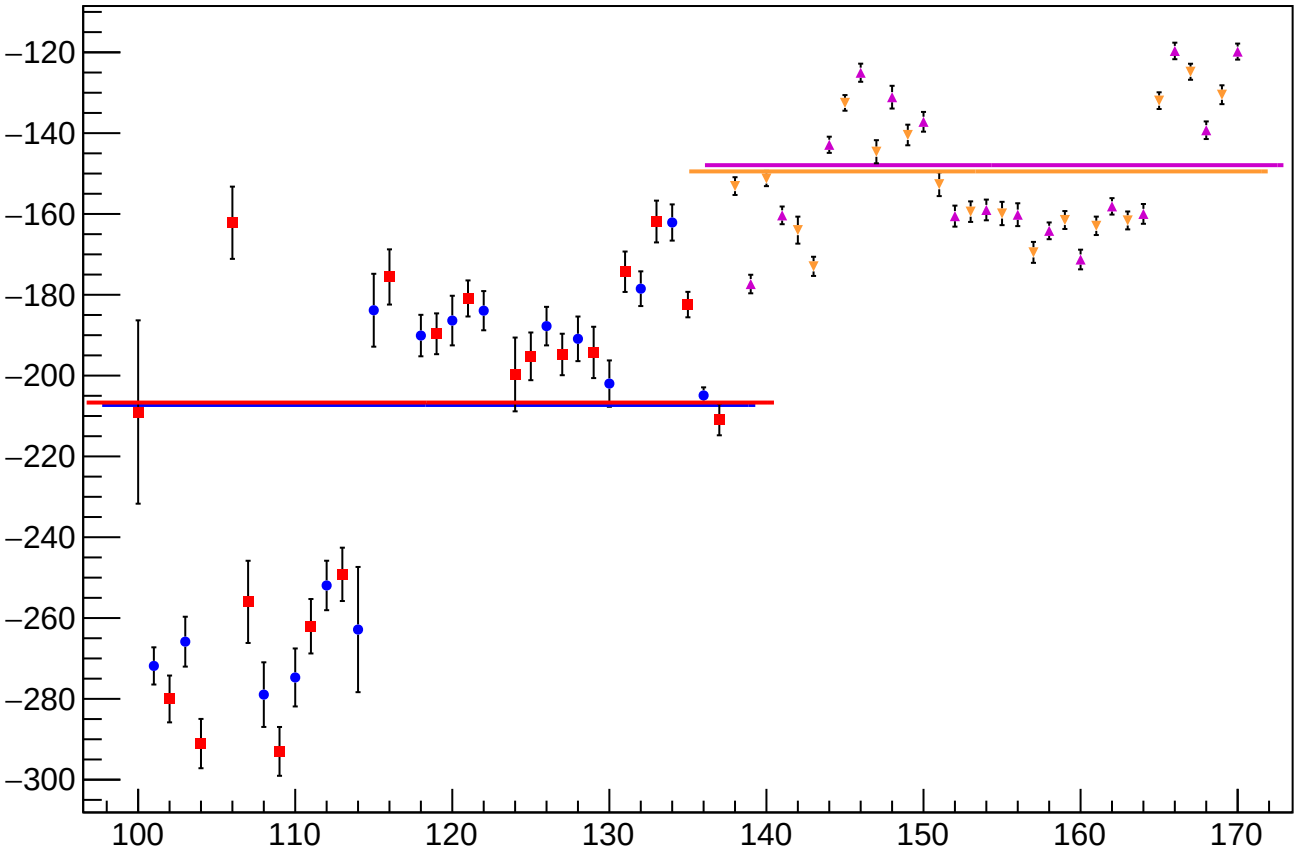
Left: -30.534+/-0.293 χ^2/NDF: 1652.4/32

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -33.387+/-0.391 χ^2/NDF:3348.5/31

Out: -31.792+/-0.388 χ^2/NDF:2363.0/35

All: -32.582+/-0.275 χ^2/NDF: 5719.9/67



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -149.470+/-0.567 χ^2/NDF:689.3/16

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -147.926+/-0.570 χ^2/NDF:1033.4/15

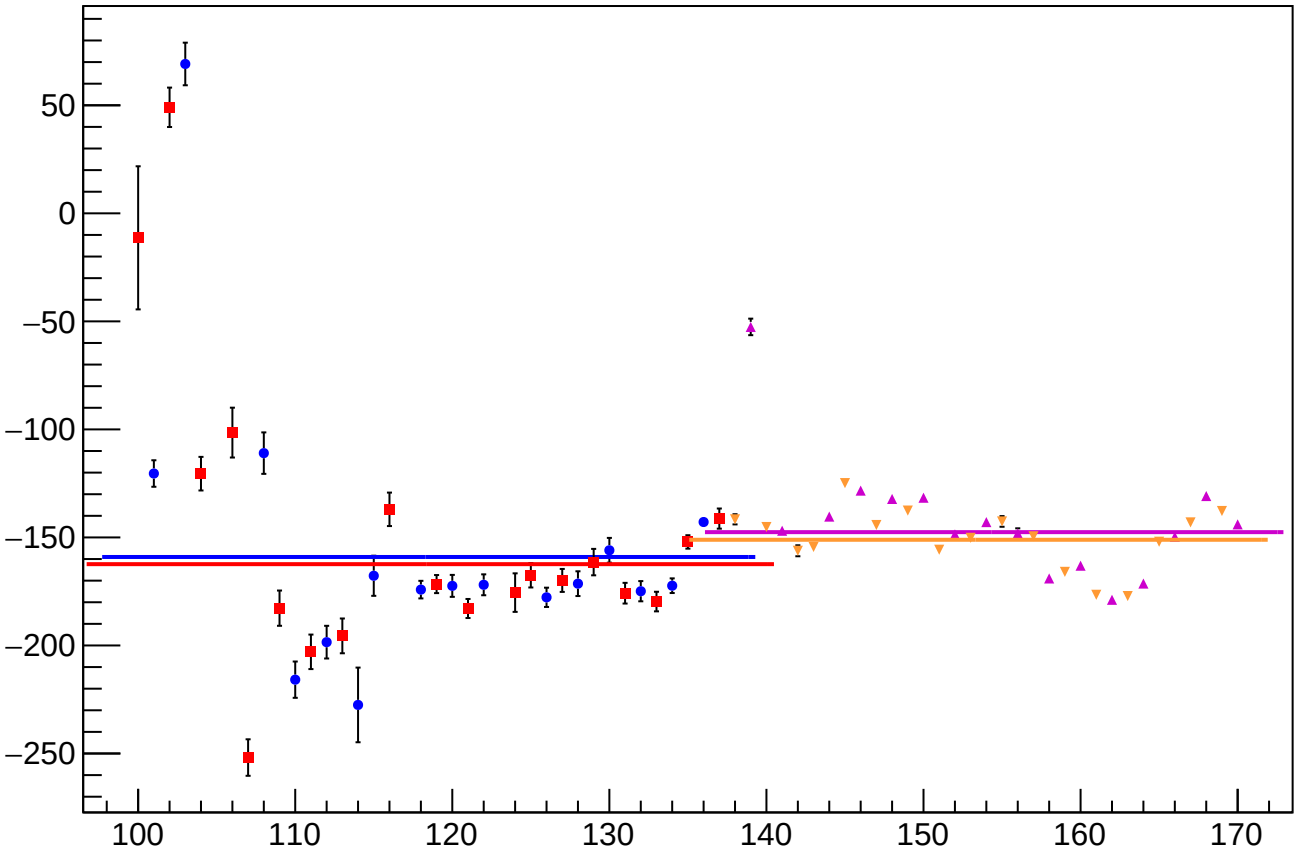
Left: -148.702+/-0.402 χ^2/NDF: 1726.4/32

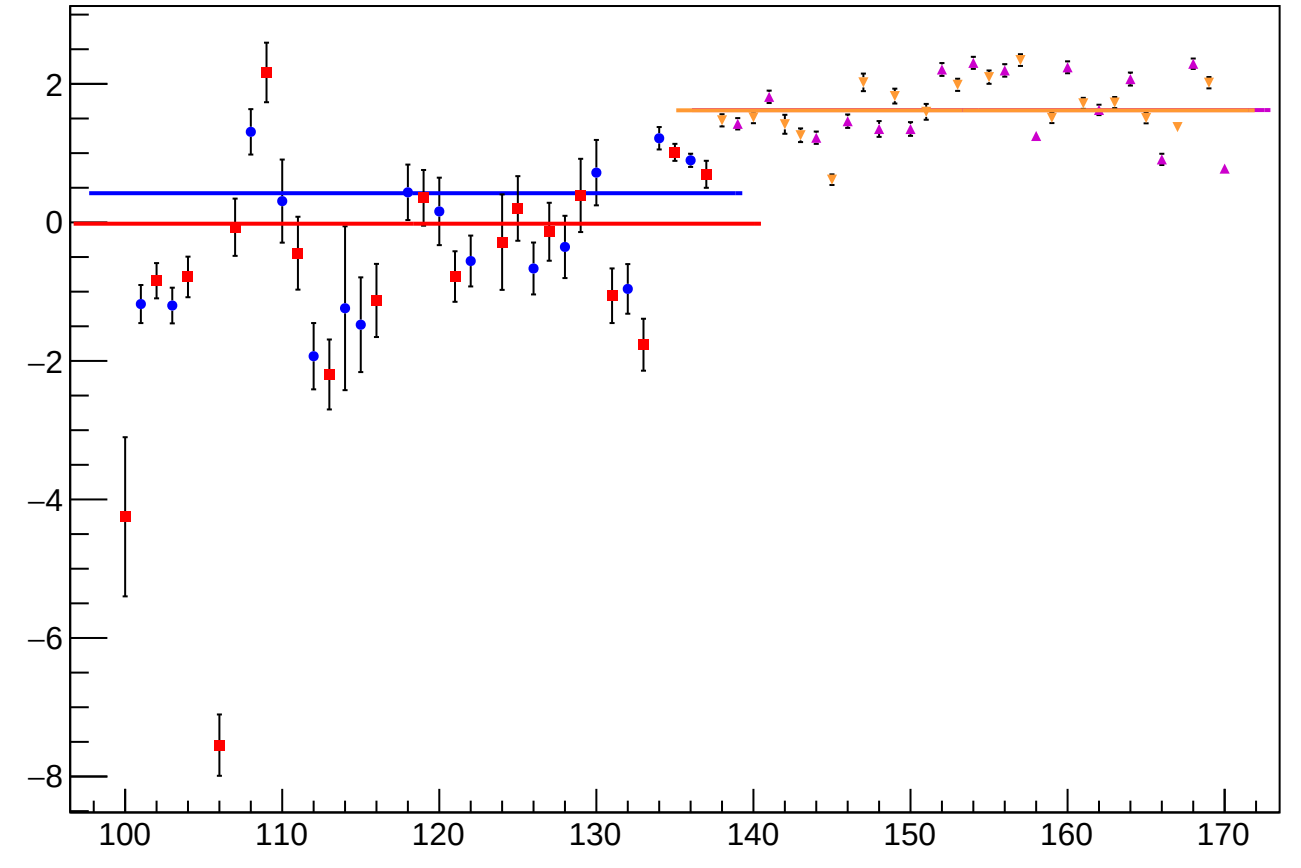
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -159.174+/-0.513 χ^2/NDF:3837.2/31

Out: -158.860+/-0.518 χ^2/NDF:3329.5/35

All: -159.019+/-0.365 χ^2/NDF: 7166.9/67


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: -151.084+/-0.470 χ²/NDF:933.7/16
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -147.554+/-0.477 χ²/NDF:1688.6/15
Left: -149.346+/-0.335 χ²/NDF: 2650.1/32
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -149.068+/-0.445 χ²/NDF:2580.8/31
Out: -152.347+/-0.443 χ²/NDF:1870.7/35
All: -150.714+/-0.314 χ²/NDF: 4478.8/67



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.618+/-0.021 χ^2/NDF:362.0/16

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.622+/-0.021 χ^2/NDF:597.4/15

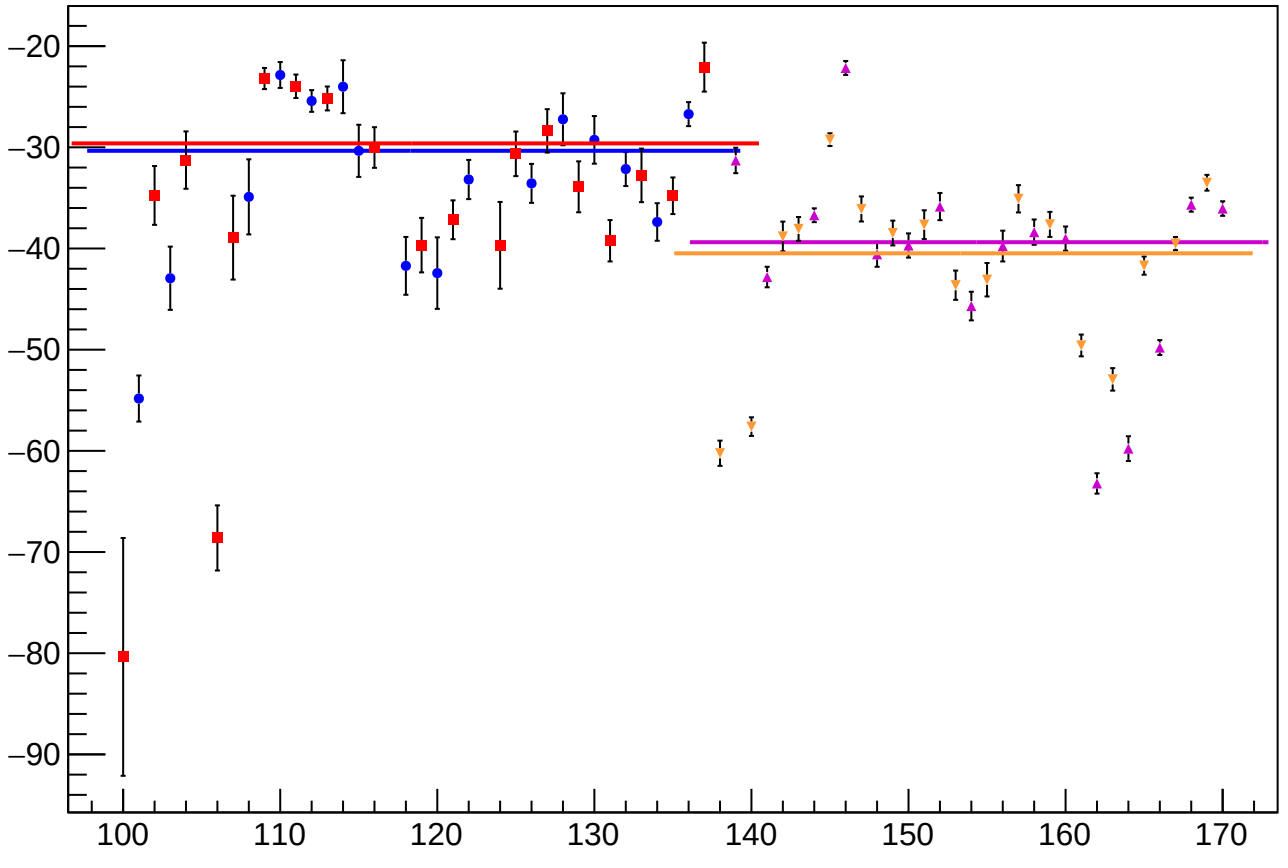
Left: 1.620+/-0.015 χ^2/NDF: 959.4/32

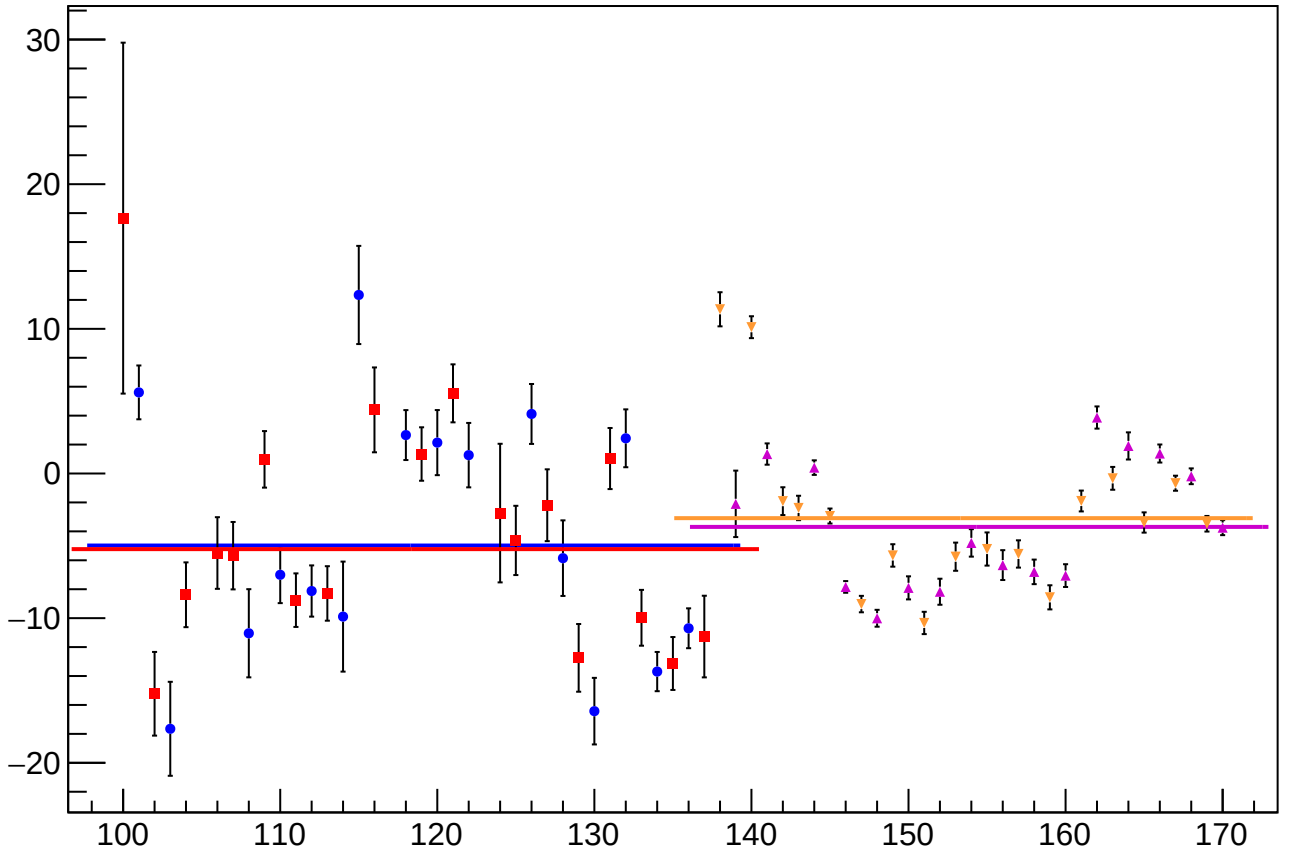
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

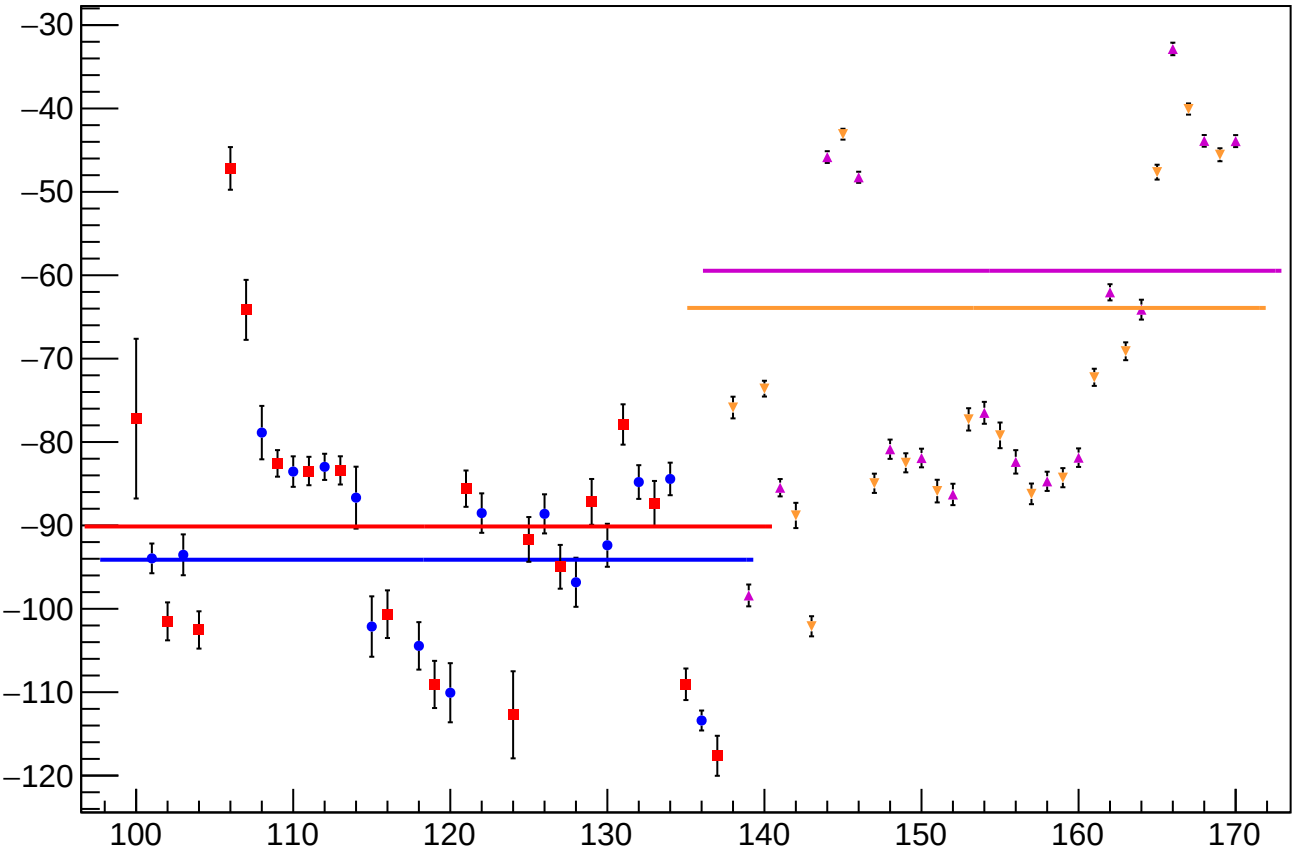
In: 1.505+/-0.020 χ^2/NDF:1104.7/31

Out: 1.487+/-0.020 χ^2/NDF:1321.5/35

All: 1.496+/-0.014 χ^2/NDF: 2426.5/67


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: -40.476+/-0.248 χ²/NDF:1247.6/16
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -39.379+/-0.239 χ²/NDF:1803.7/15
Left: -39.907+/-0.172 χ²/NDF: 3061.5/32
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.510+/-0.213 χ²/NDF:2353.3/31
Out: -37.950+/-0.217 χ²/NDF:2023.2/35
All: -37.726+/-0.152 χ²/NDF: 4378.6/67


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -3.087+/-0.176 χ²/NDF:763.3/16
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -3.692+/-0.168 χ²/NDF:668.4/15
Left: -3.404+/-0.122 χ²/NDF: 1437.9/32
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -3.818+/-0.160 χ²/NDF:911.5/31
Out: -3.305+/-0.167 χ²/NDF:914.8/35
All: -3.573+/-0.115 χ²/NDF: 1831.2/67



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -63.918+/-0.245 χ^2/NDF:6426.3/16

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -59.462+/-0.235 χ^2/NDF:6907.9/15

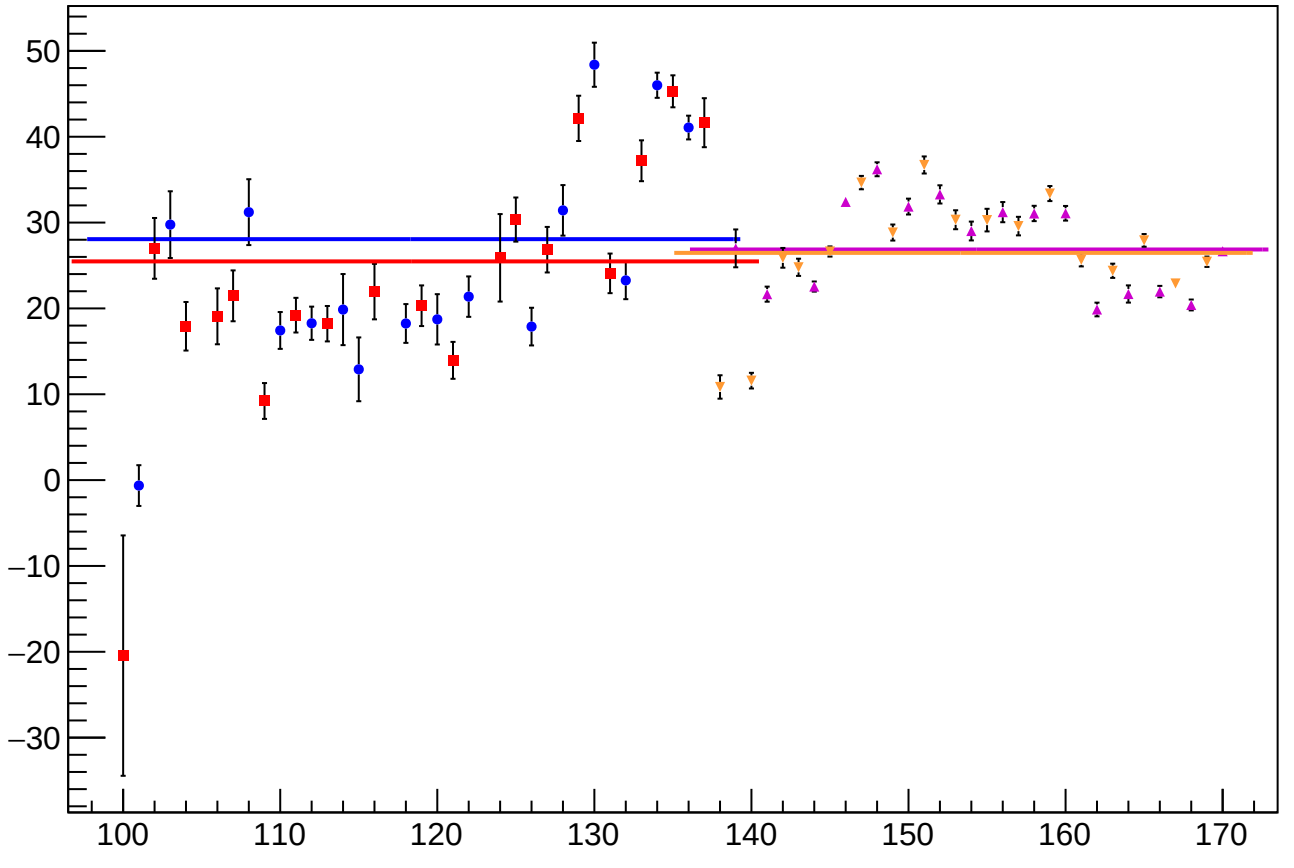
Left: -61.594+/-0.170 χ^2/NDF: 13506.1/32

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -65.036+/-0.215 χ^2/NDF:10868.8/31

Out: -68.366+/-0.224 χ^2/NDF:9150.4/35

All: -66.638+/-0.155 χ^2/NDF: 20134.3/67



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.470+/-0.202 χ^2/NDF:767.7/16

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.865+/-0.194 χ^2/NDF:730.4/15

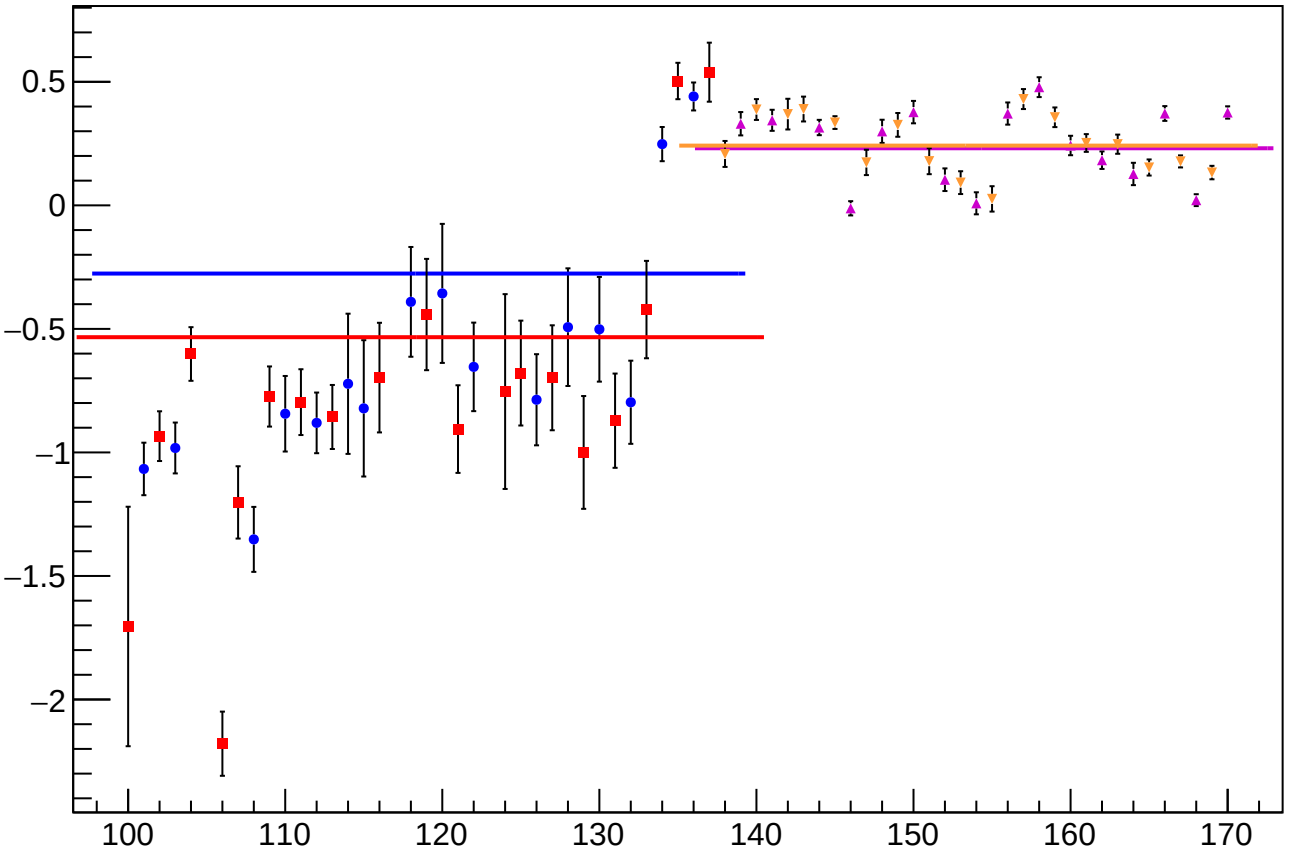
Left: 26.675+/-0.140 χ^2/NDF: 1500.1/32

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.990+/-0.184 χ^2/NDF:1317.5/31

Out: 26.366+/-0.191 χ^2/NDF:1124.9/35

All: 26.690+/-0.133 χ^2/NDF: 2447.9/67



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.242+/-0.009 χ^2/NDF:133.1/16

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.231+/-0.009 χ^2/NDF:322.3/15

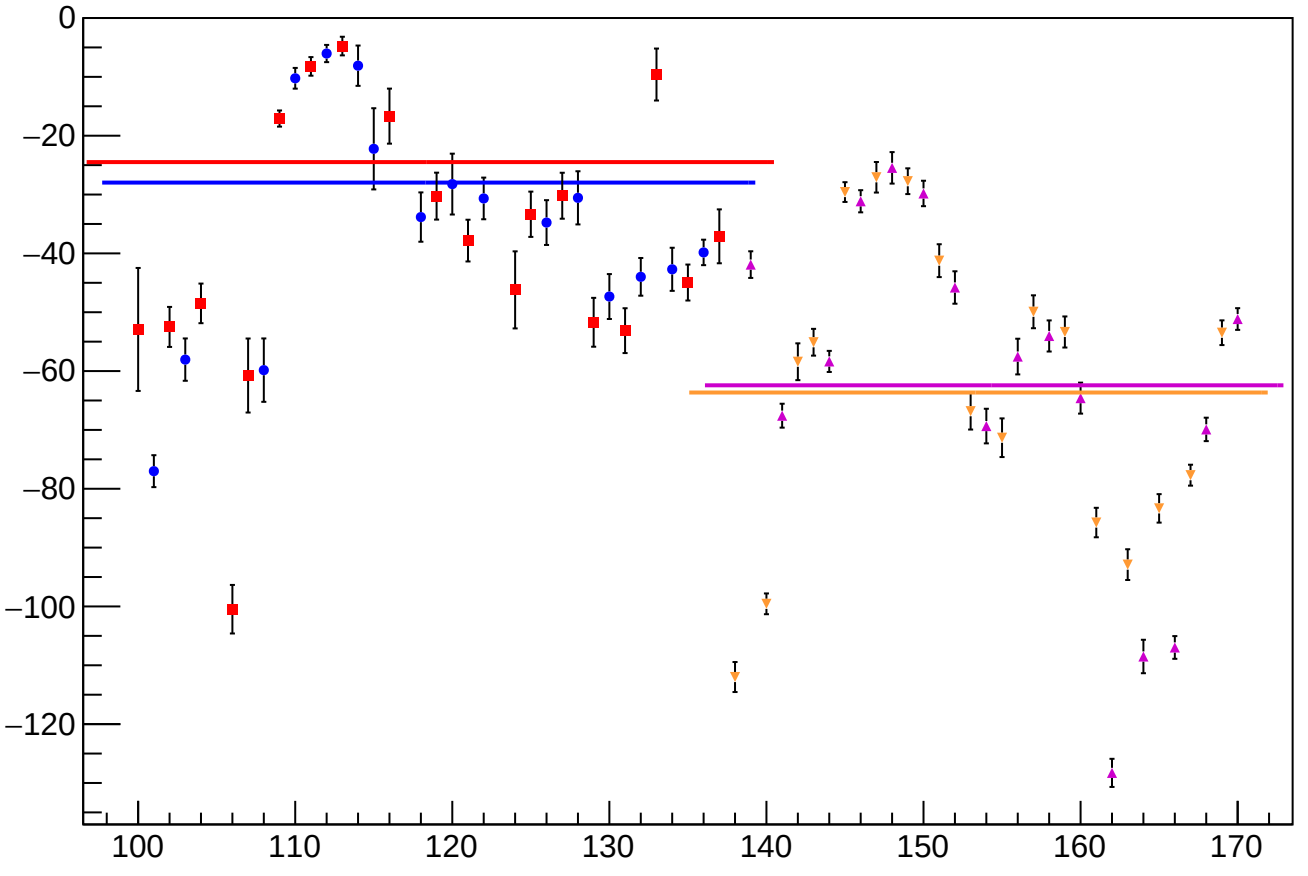
Left: 0.236+/-0.006 χ^2/NDF: 456.1/32

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.192+/-0.009 χ^2/NDF:1030.6/31

Out: 0.185+/-0.009 χ^2/NDF:1159.8/35

All: 0.189+/-0.006 χ^2/NDF: 2190.7/67



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -63.644+/-0.568 χ^2/NDF:2134.7/16

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -62.419+/-0.564 χ^2/NDF:2449.7/15

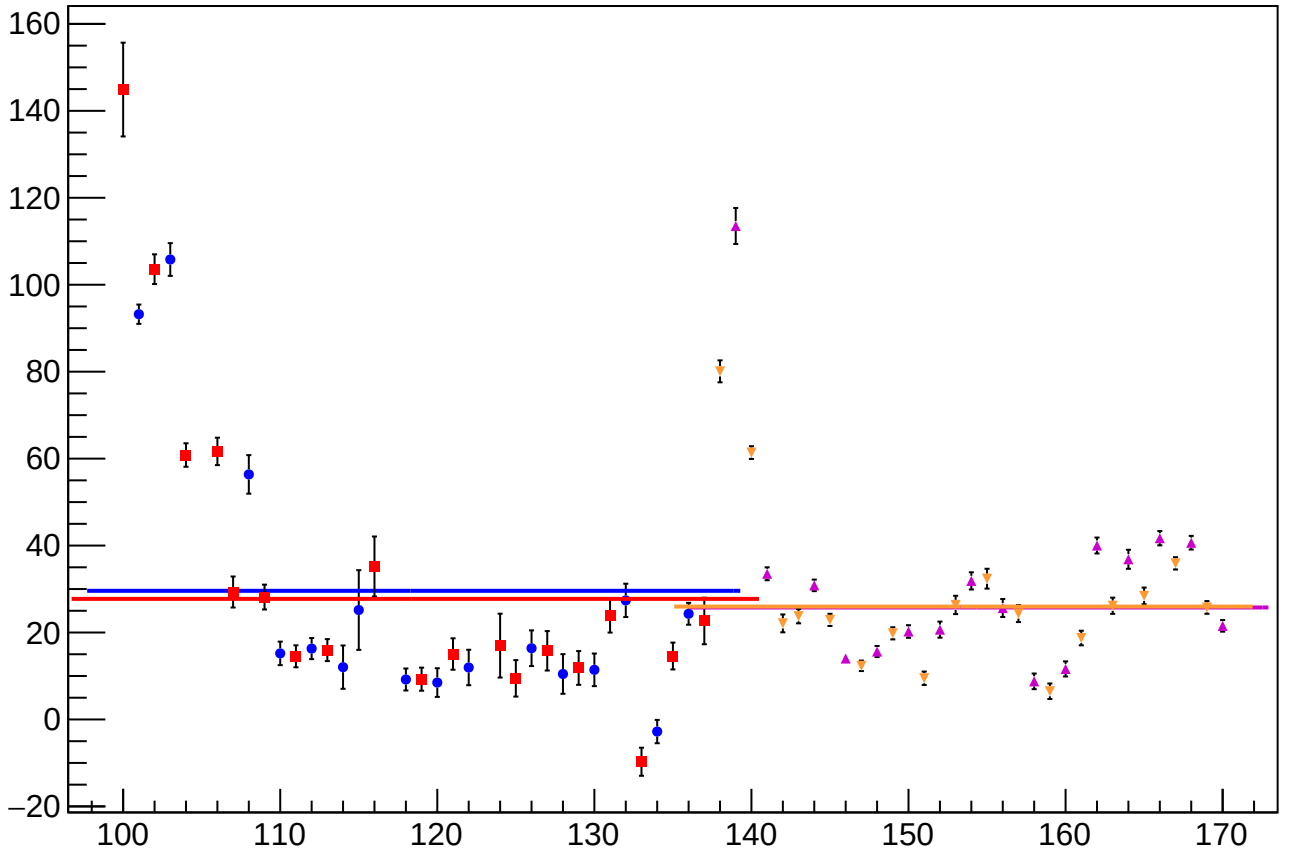
Left: -63.027+/-0.400 χ^2/NDF: 4586.8/32

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -49.480+/-0.446 χ^2/NDF:4744.4/31

Out: -47.055+/-0.431 χ^2/NDF:5136.0/35

All: -48.228+/-0.310 χ^2/NDF: 9895.6/67



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.969+/-0.401 χ^2/NDF:1509.5/16

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 25.758+/-0.402 χ^2/NDF:1124.9/15

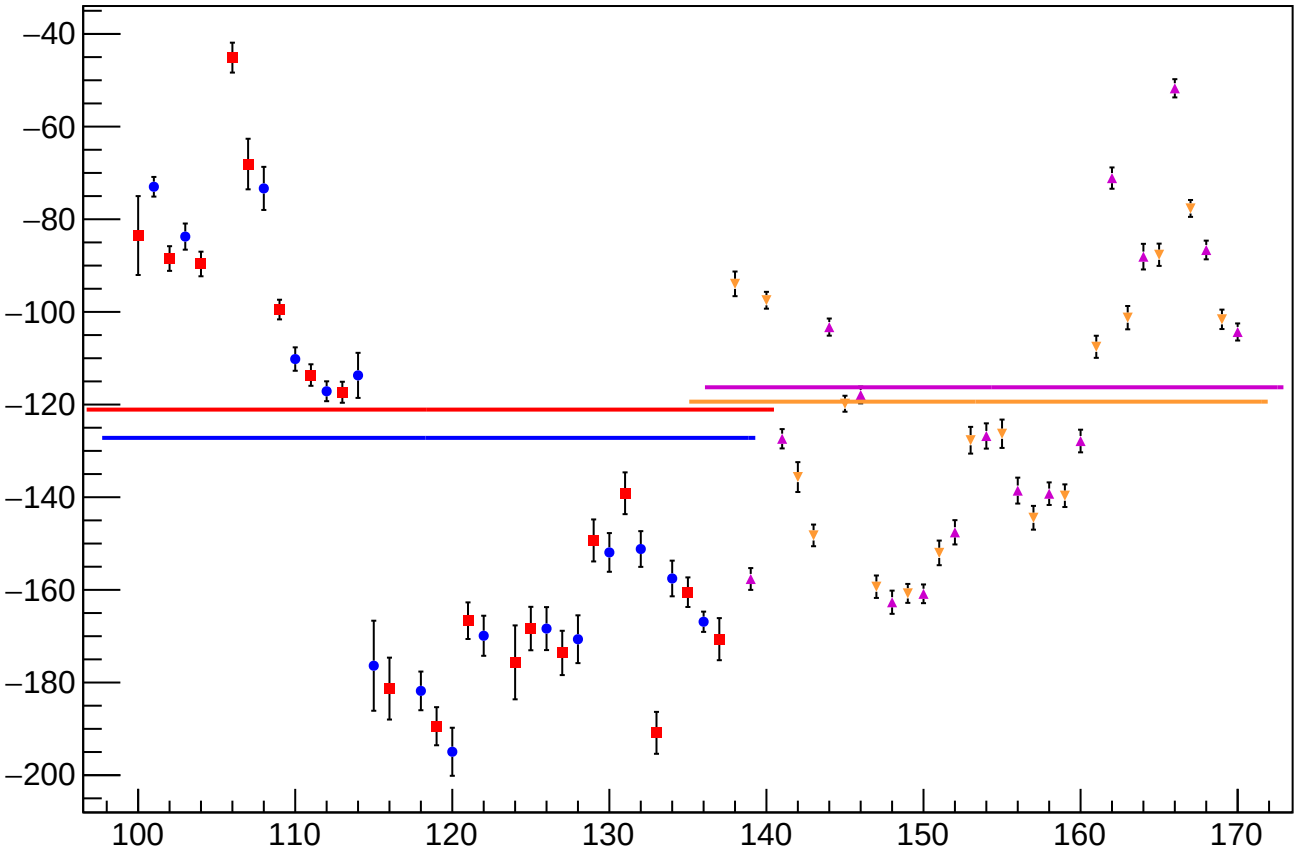
Left: 25.864+/-0.284 χ^2/NDF: 2634.6/32

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.520+/-0.360 χ^2/NDF:2808.7/31

Out: 26.326+/-0.358 χ^2/NDF:2698.5/35

All: 26.422+/-0.254 χ^2/NDF: 5507.4/67



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -119.371+/-0.560 χ^2/NDF:2270.4/16

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -116.268+/-0.553 χ^2/NDF:3371.4/15

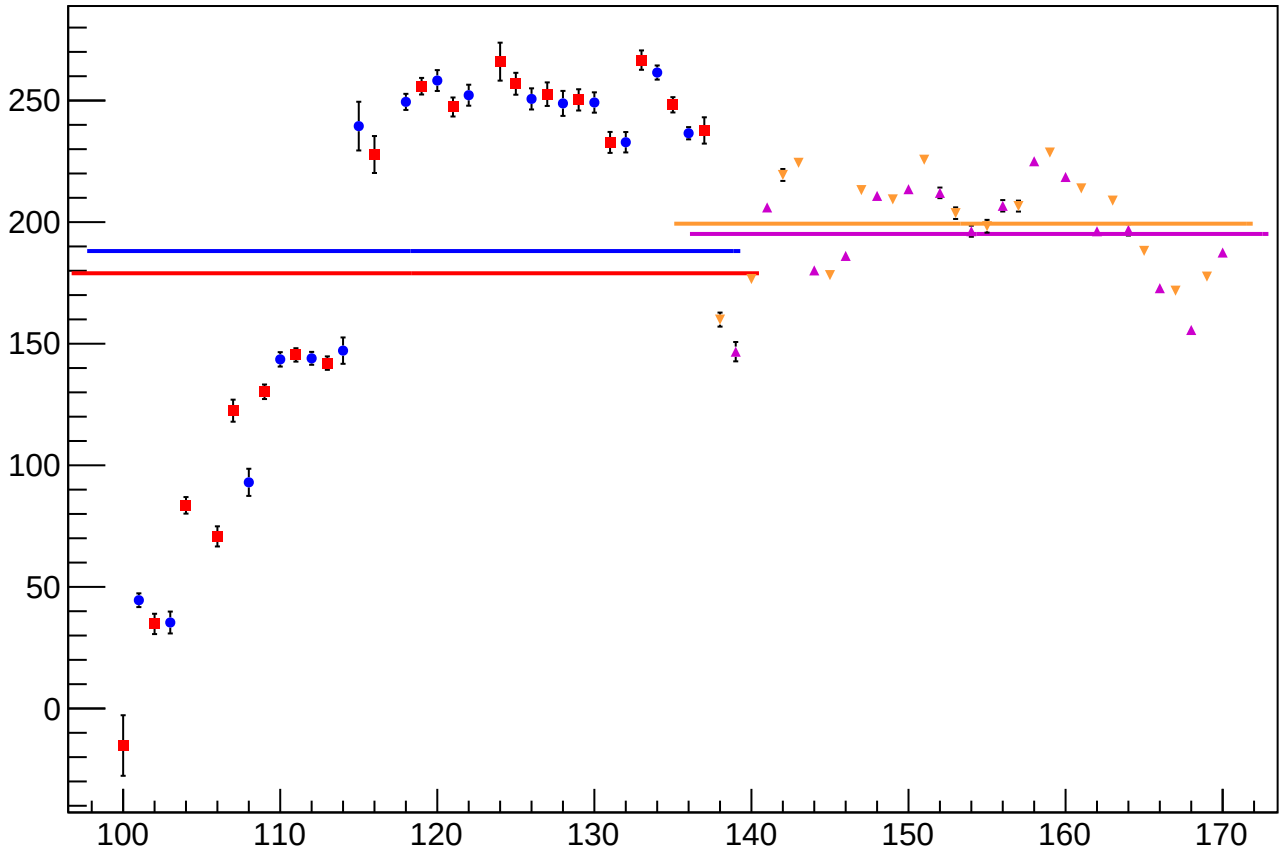
Left: -117.800+/-0.393 χ^2/NDF: 5657.4/32

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -119.628+/-0.460 χ^2/NDF:5669.6/31

Out: -119.937+/-0.458 χ^2/NDF:4670.8/35

All: -119.783+/-0.325 χ^2/NDF: 10340.7/67



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 199.360+/-0.463 χ^2/NDF:1913.9/16

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 195.140+/-0.462 χ^2/NDF:1664.8/15

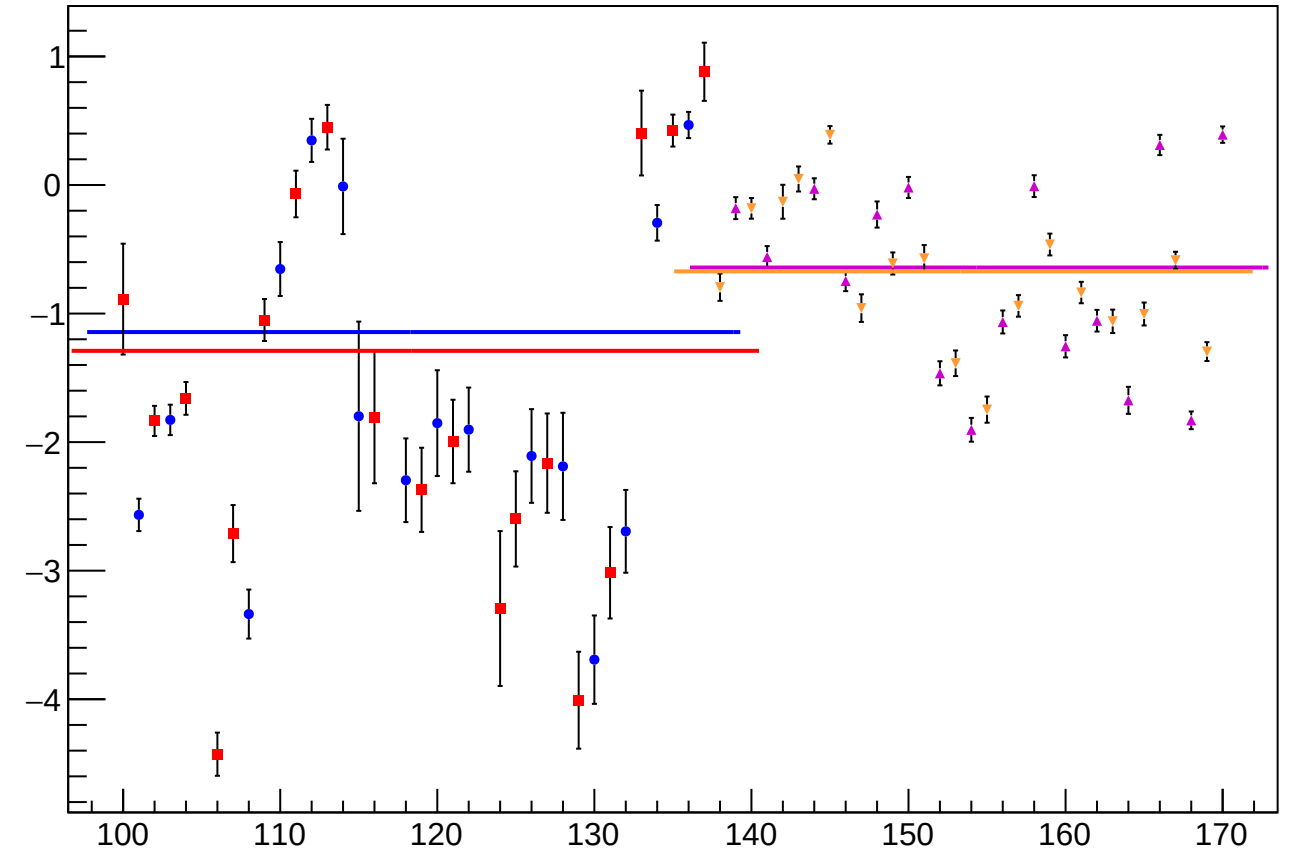
Left: 197.245+/-0.327 χ^2/NDF: 3620.3/32

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 193.717+/-0.413 χ^2/NDF:8830.3/31

Out: 195.147+/-0.413 χ^2/NDF:8982.7/35

All: 194.432+/-0.292 χ^2/NDF: 17818.9/67



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.672+/-0.021 χ^2/NDF:650.6/16

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.642+/-0.021 χ^2/NDF:1382.5/15

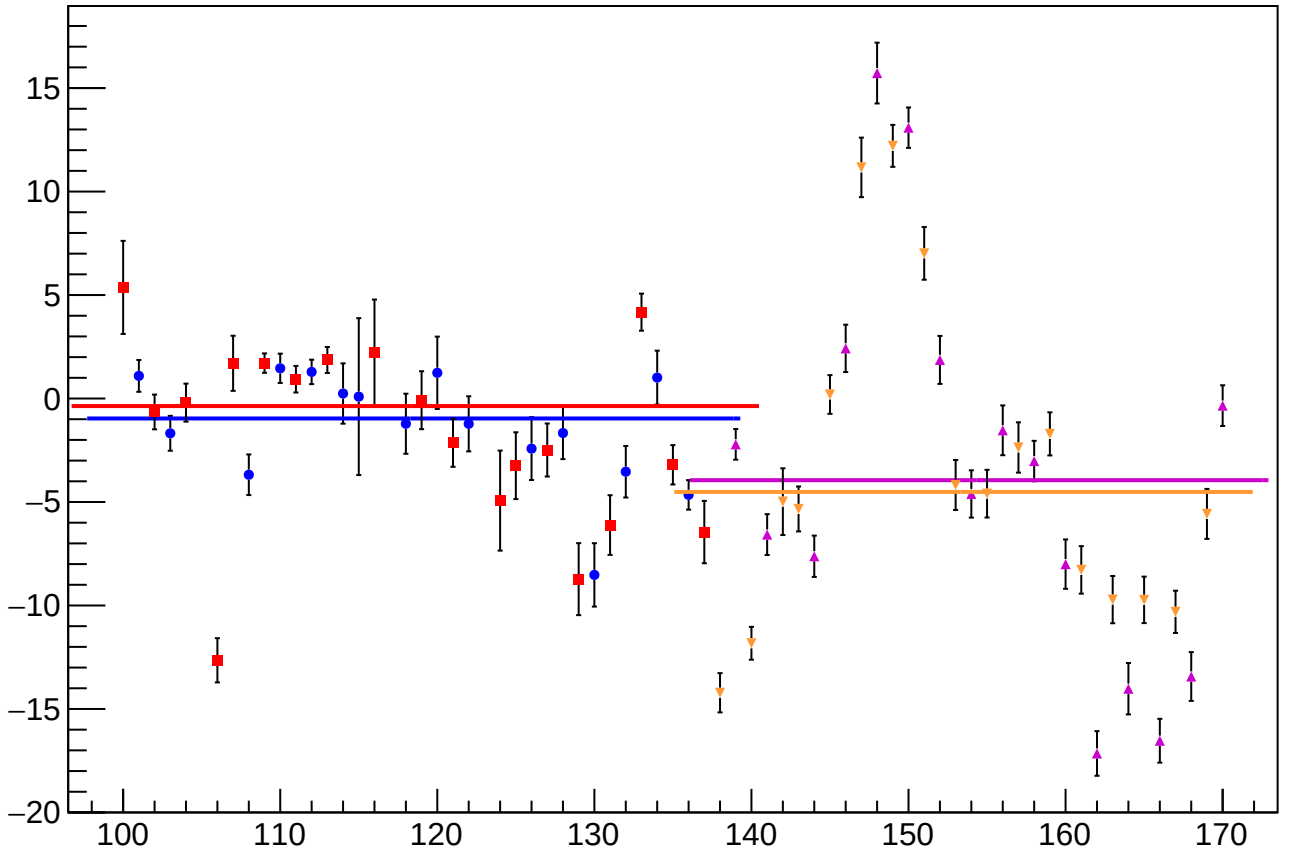
Left: -0.657+/-0.015 χ^2/NDF: 2034.2/32

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.721+/-0.019 χ^2/NDF:2262.0/31

Out: -0.775+/-0.019 χ^2/NDF:1790.1/35

All: -0.748+/-0.014 χ^2/NDF: 4056.1/67



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.513+/-0.266 χ^2/NDF:785.3/16

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.946+/-0.265 χ^2/NDF:1017.5/15

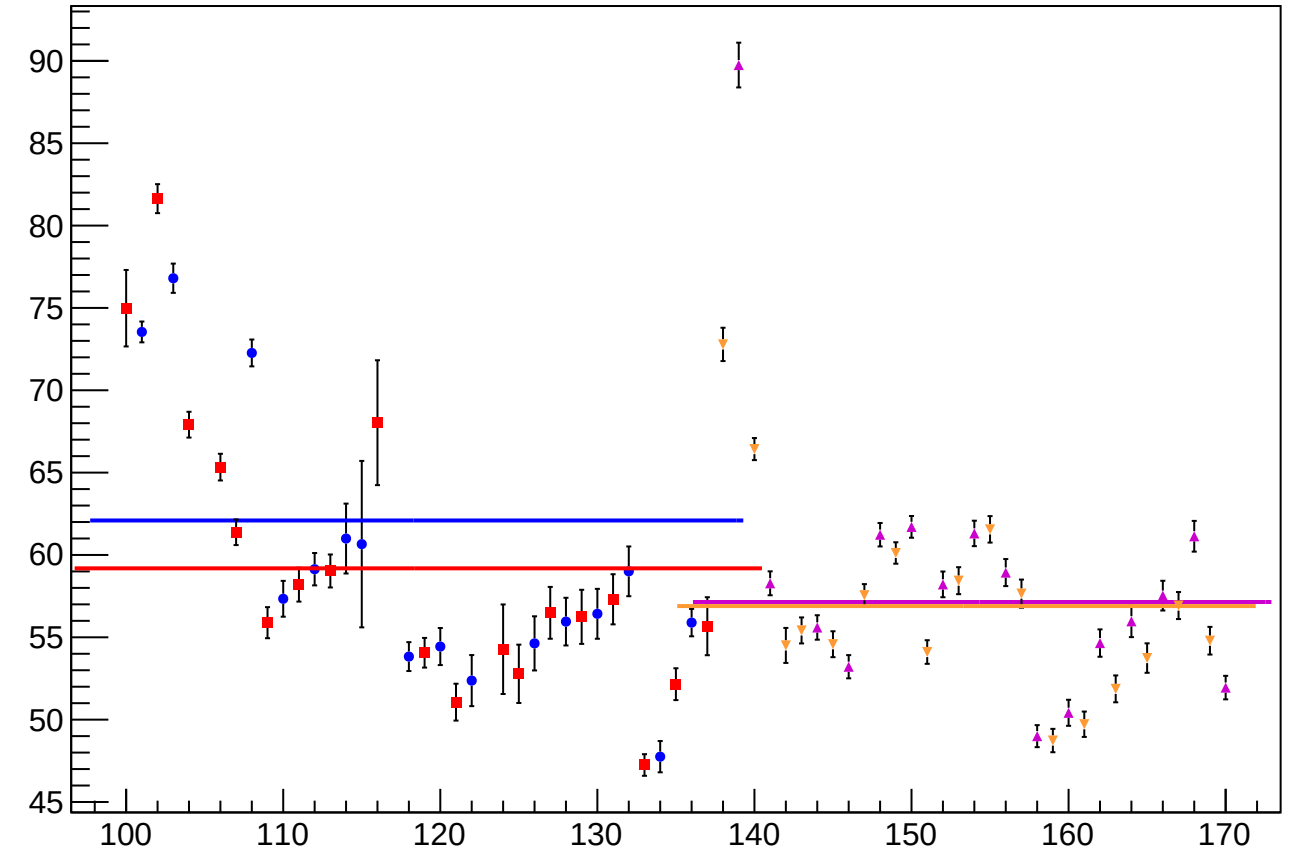
Left: -4.229+/-0.188 χ^2/NDF: 1805.1/32

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.386+/-0.183 χ^2/NDF:1186.8/31

Out: -2.085+/-0.171 χ^2/NDF:1208.5/35

All: -2.226+/-0.125 χ^2/NDF: 2396.7/67



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.896+/-0.191 χ^2/NDF:820.6/16

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.144+/-0.196 χ^2/NDF:1032.4/15

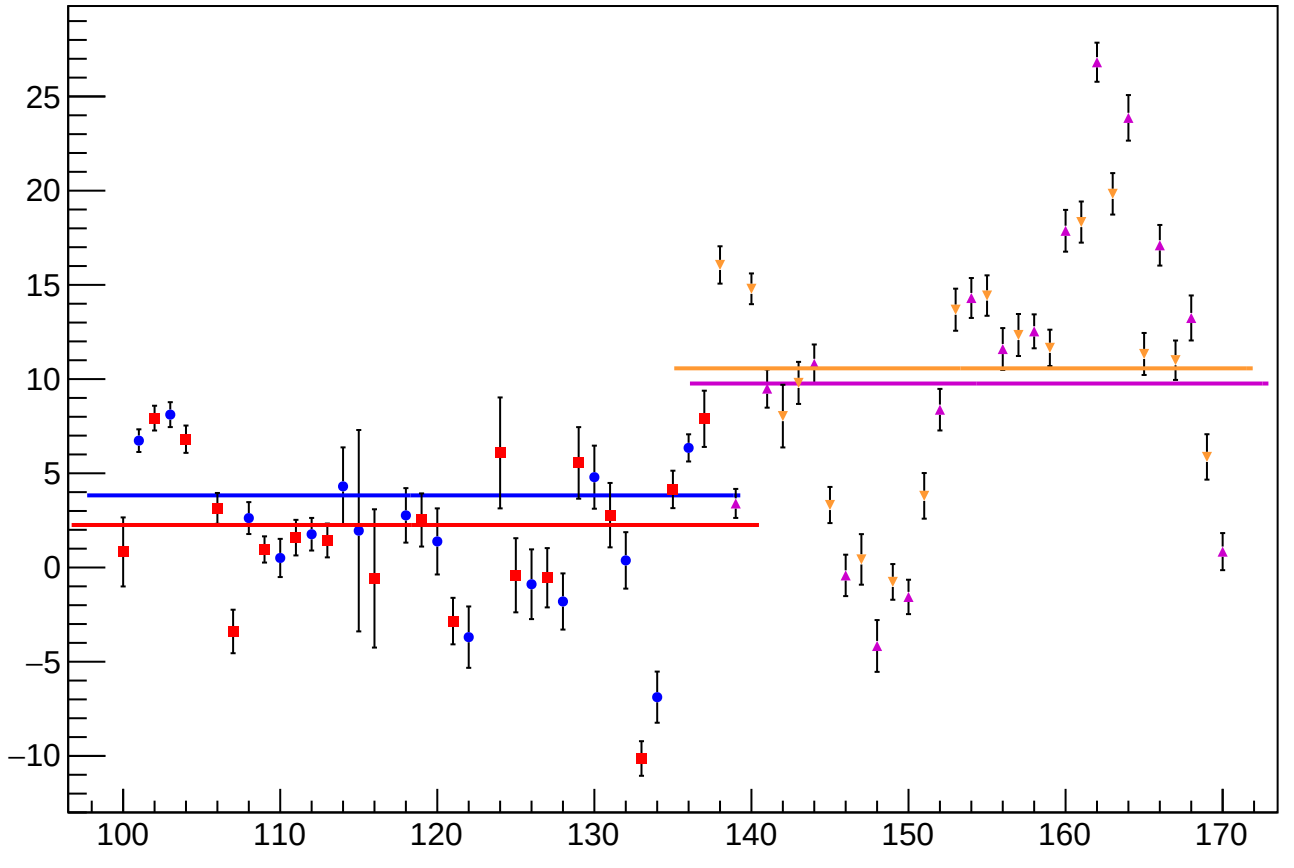
Left: 57.016+/-0.137 χ^2/NDF: 1853.9/32

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.891+/-0.158 χ^2/NDF:2558.8/31

Out: 57.765+/-0.150 χ^2/NDF:2277.6/35

All: 58.300+/-0.109 χ^2/NDF: 4863.1/67



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.570+/-0.260 χ^2/NDF:510.7/16

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 9.764+/-0.259 χ^2/NDF:1040.3/15

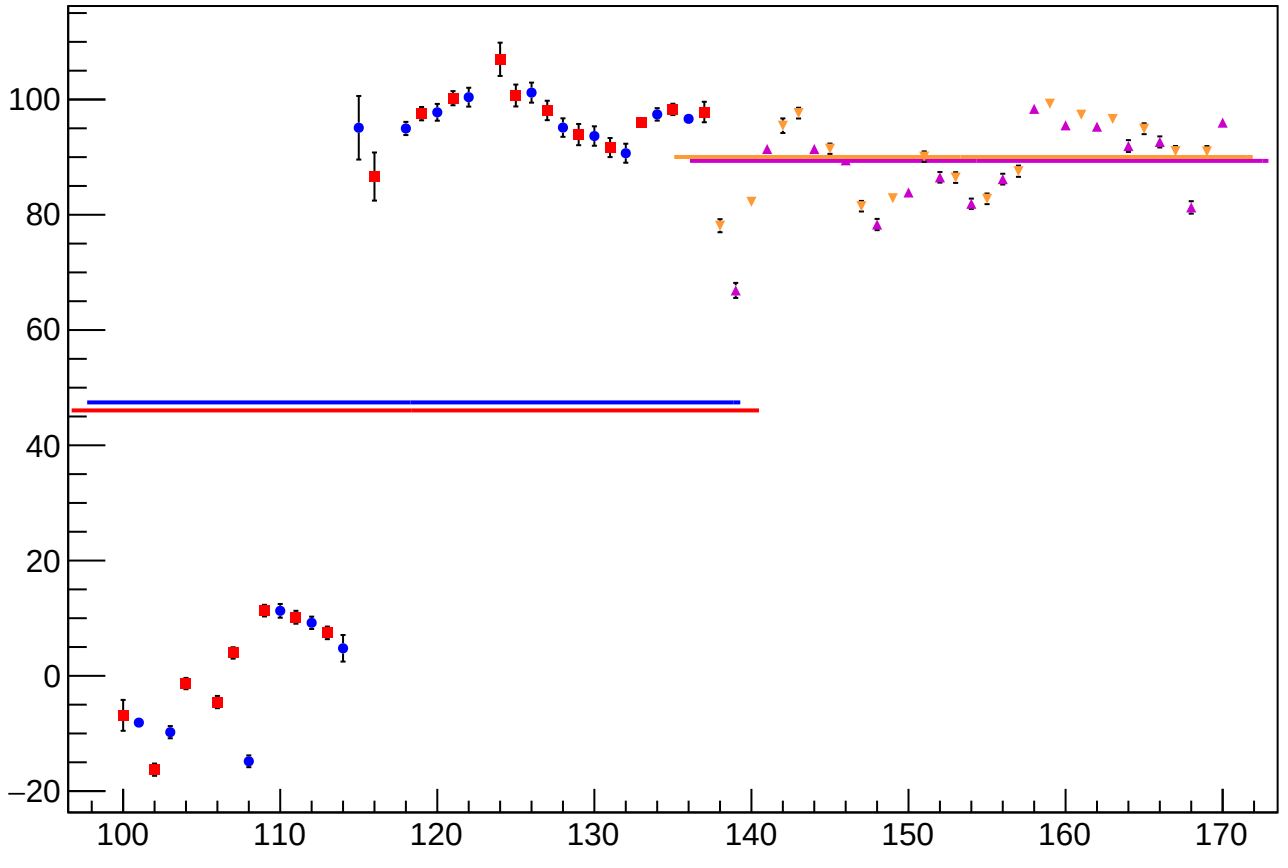
Left: 10.165+/-0.184 χ^2/NDF: 1555.8/32

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 6.870+/-0.185 χ^2/NDF:1505.5/31

Out: 6.185+/-0.179 χ^2/NDF:1420.3/35

All: 6.516+/-0.129 χ^2/NDF: 2932.9/67



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.024+/-0.218 χ^2/NDF:870.1/16

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.352+/-0.222 χ^2/NDF:990.3/15

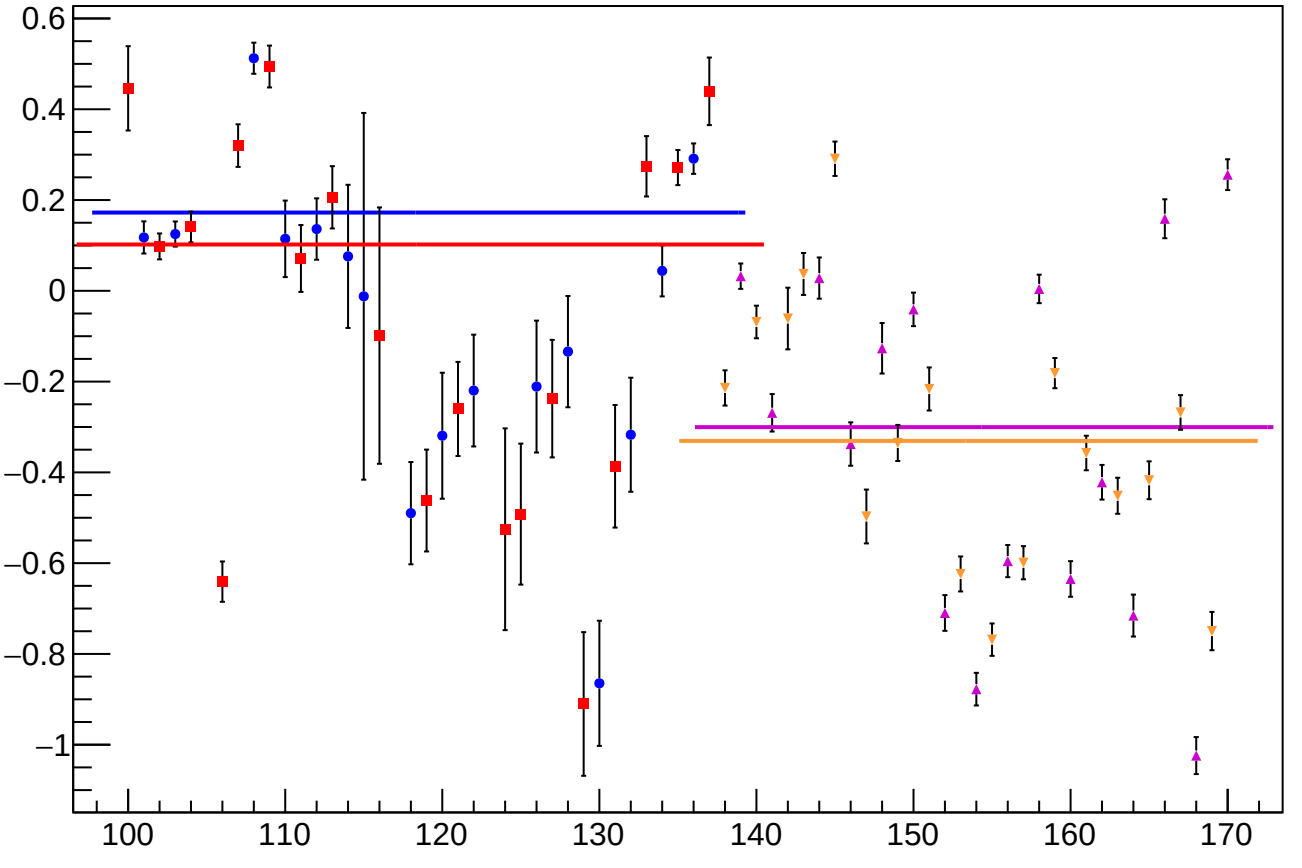
Left: 89.693+/-0.156 χ^2/NDF: 1865.1/32

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 75.020+/-0.180 χ^2/NDF:40055.2/31

Out: 73.720+/-0.173 χ^2/NDF:44805.0/35

All: 74.344+/-0.125 χ^2/NDF: 84887.2/67



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.331+/-0.010 χ^2/NDF:822.6/16

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.300+/-0.010 χ^2/NDF:1646.6/15

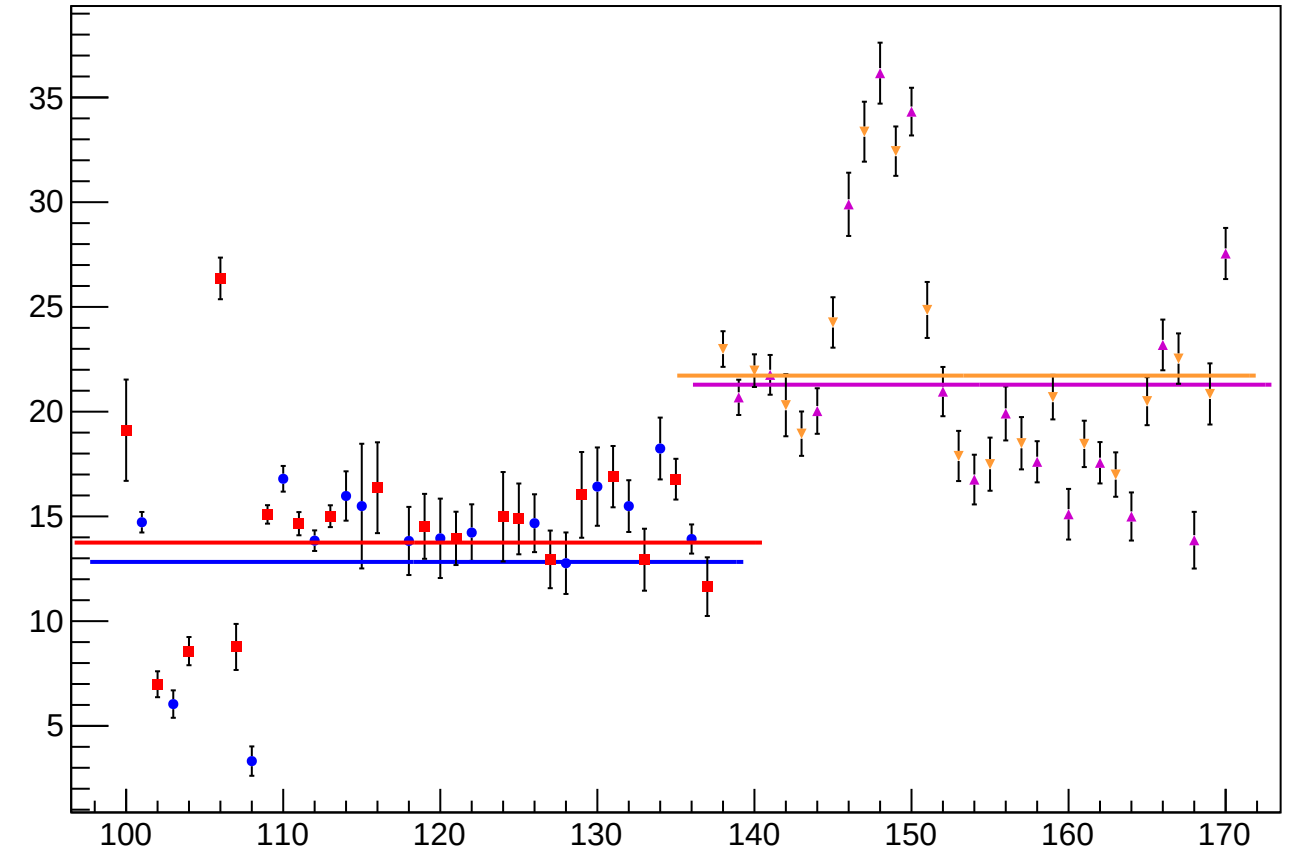
Left: -0.315+/-0.007 χ^2/NDF: 2474.0/32

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.152+/-0.008 χ^2/NDF:2677.0/31

Out: -0.181+/-0.008 χ^2/NDF:2058.0/35

All: -0.166+/-0.006 χ^2/NDF: 4741.8/67



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.722+/-0.274 χ^2/NDF:228.3/16

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.288+/-0.283 χ^2/NDF:429.3/15

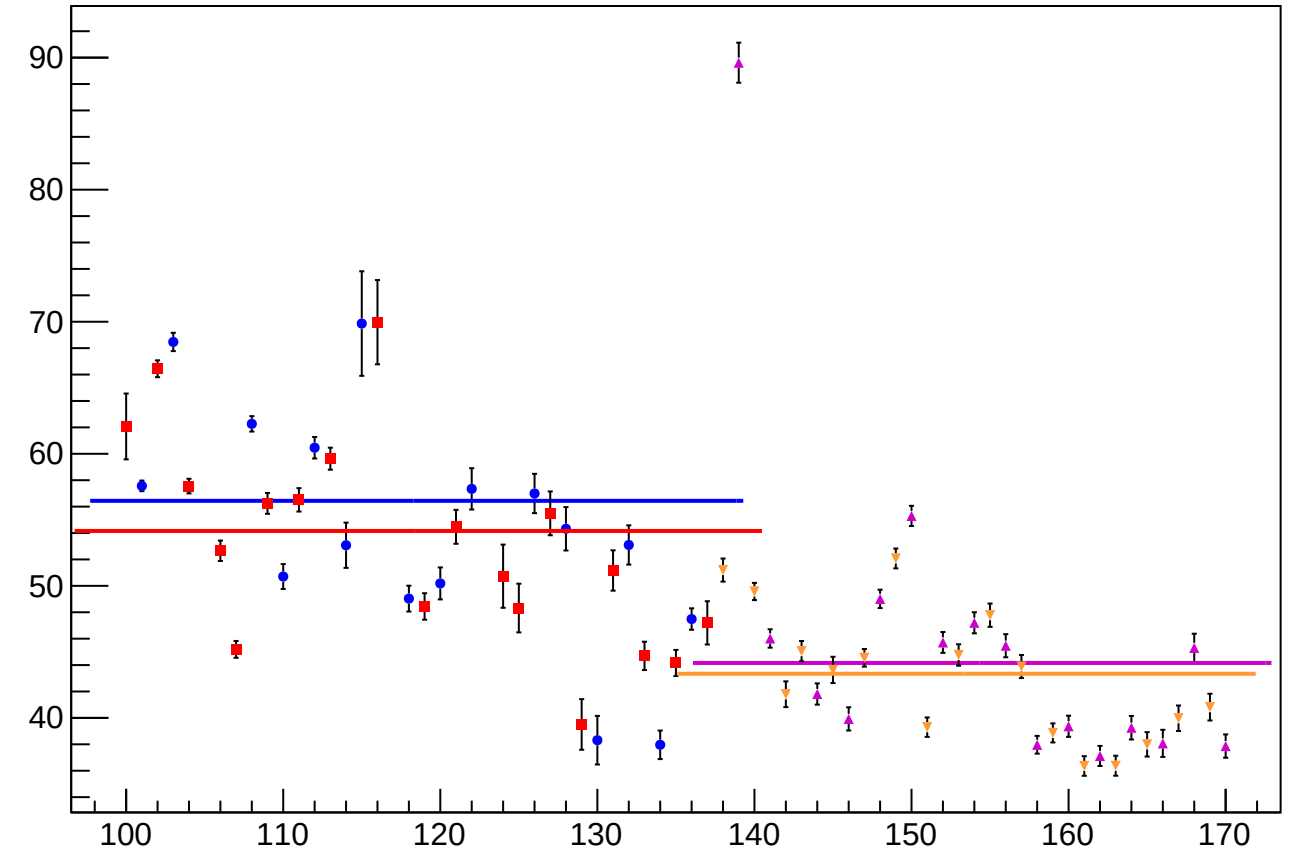
Left: 21.512+/-0.197 χ^2/NDF: 658.8/32

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.906+/-0.171 χ^2/NDF:1385.9/31

Out: 16.593+/-0.164 χ^2/NDF:1176.2/35

All: 16.264+/-0.118 χ^2/NDF: 2570.5/67



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.342+/-0.196 χ^2/NDF:639.6/16

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.162+/-0.207 χ^2/NDF:1541.1/15

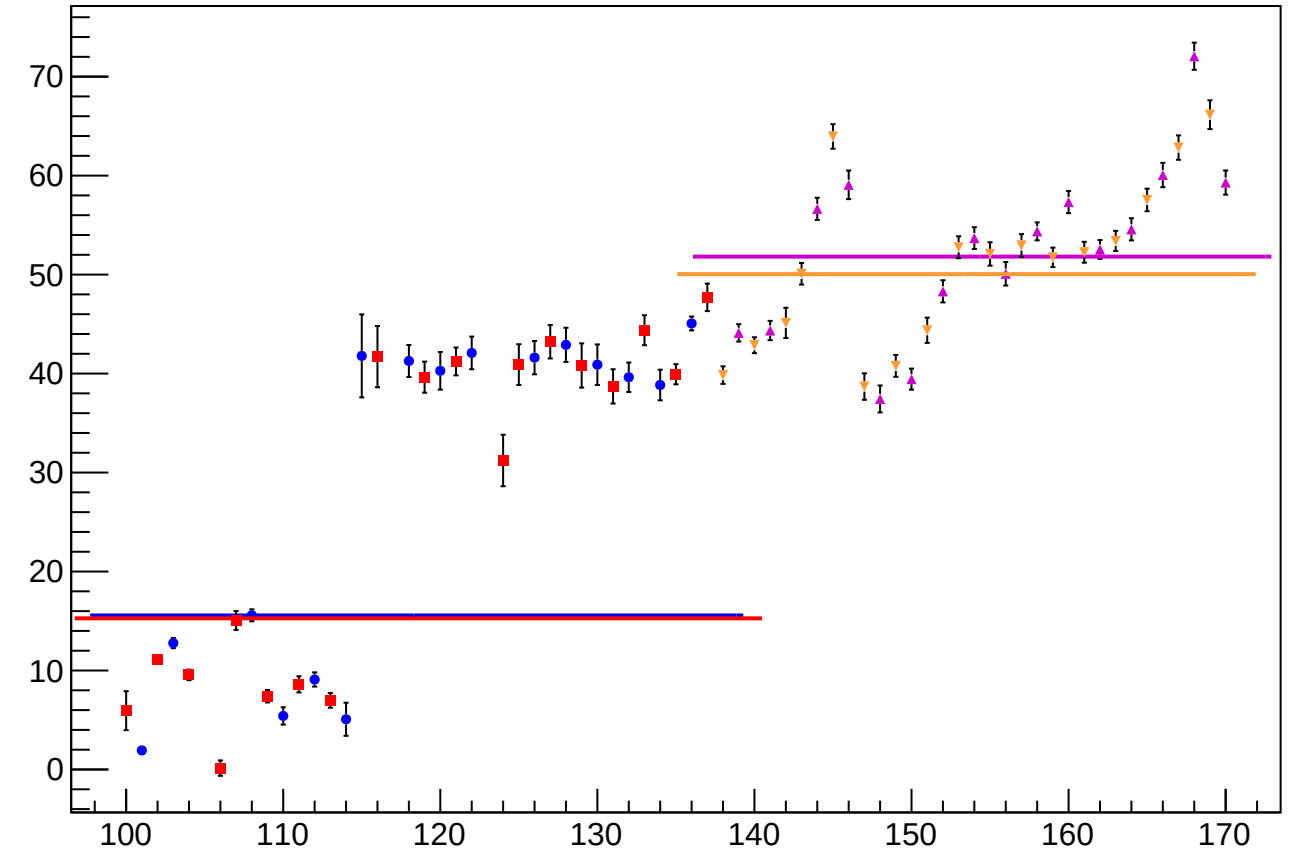
Left: 43.730+/-0.142 χ^2/NDF: 2189.0/32

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.864+/-0.151 χ^2/NDF:4269.3/31

Out: 48.013+/-0.148 χ^2/NDF:2964.1/35

All: 48.916+/-0.106 χ^2/NDF: 7310.2/67



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 50.047+/-0.269 χ^2/NDF:818.5/16

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 51.817+/-0.276 χ^2/NDF:780.4/15

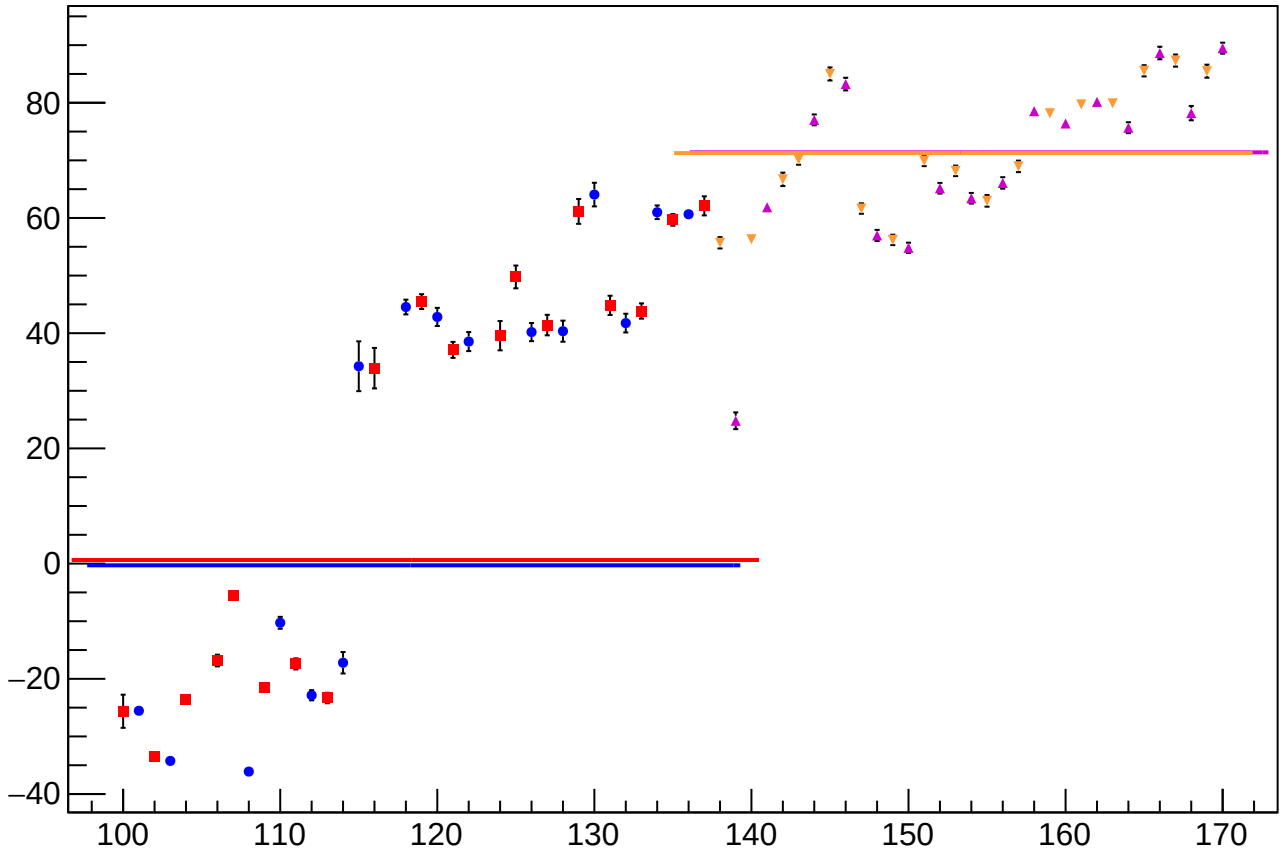
Left: 50.910+/-0.192 χ^2/NDF: 1620.0/32

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 29.199+/-0.169 χ^2/NDF:16754.0/31

Out: 29.151+/-0.170 χ^2/NDF:14742.2/35

All: 29.175+/-0.120 χ^2/NDF: 31496.3/67



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 71.263+/-0.225 χ^2/NDF:2172.6/16

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 71.390+/-0.234 χ^2/NDF:2949.6/15

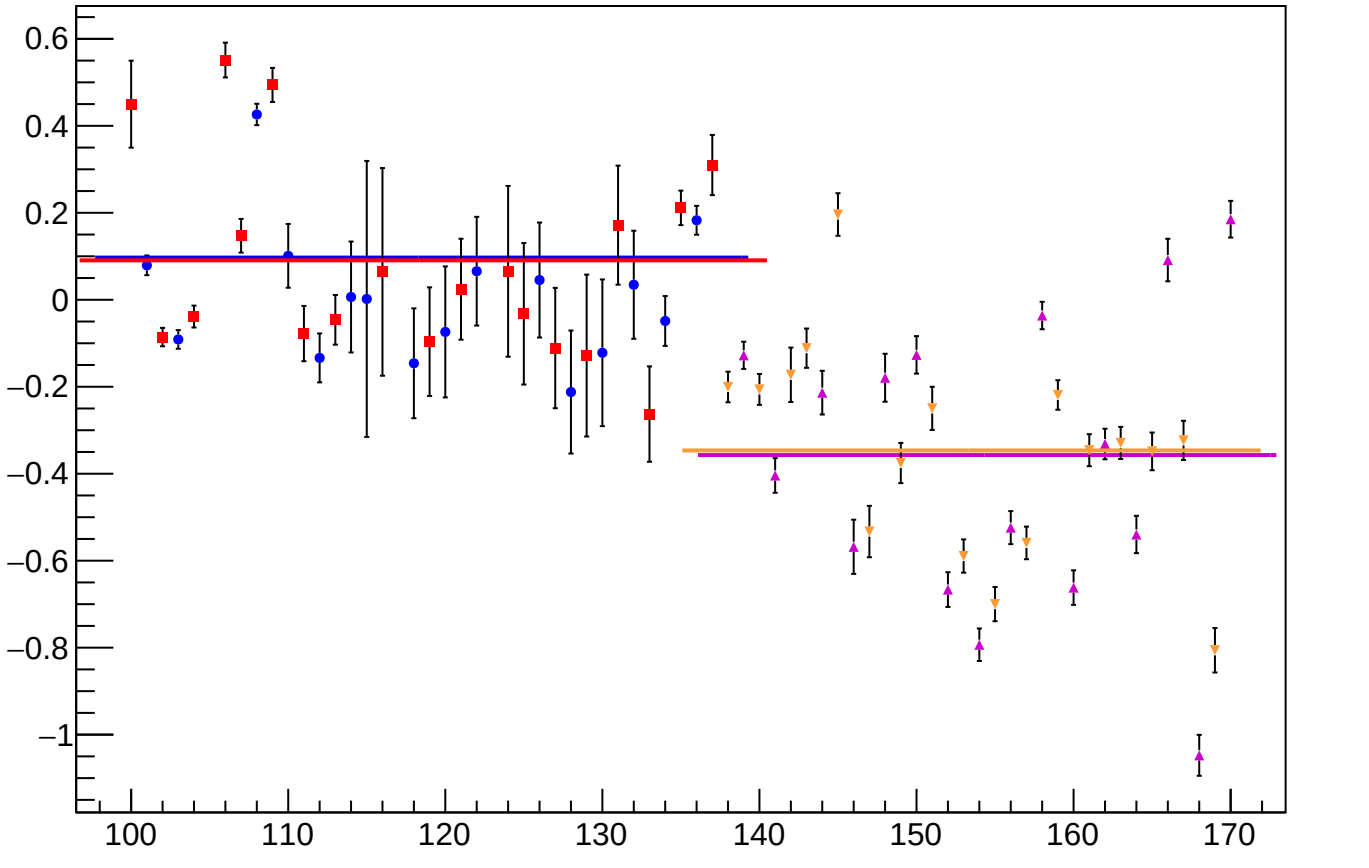
Left: 71.324+/-0.162 χ^2/NDF: 5122.3/32

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 39.459+/-0.174 χ^2/NDF:65688.2/31

Out: 41.513+/-0.171 χ^2/NDF:59750.9/35

All: 40.506+/-0.122 χ^2/NDF: 125509.7/67



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.346+/-0.010 χ^2/NDF:452.9/16

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.357+/-0.010 χ^2/NDF:975.0/15

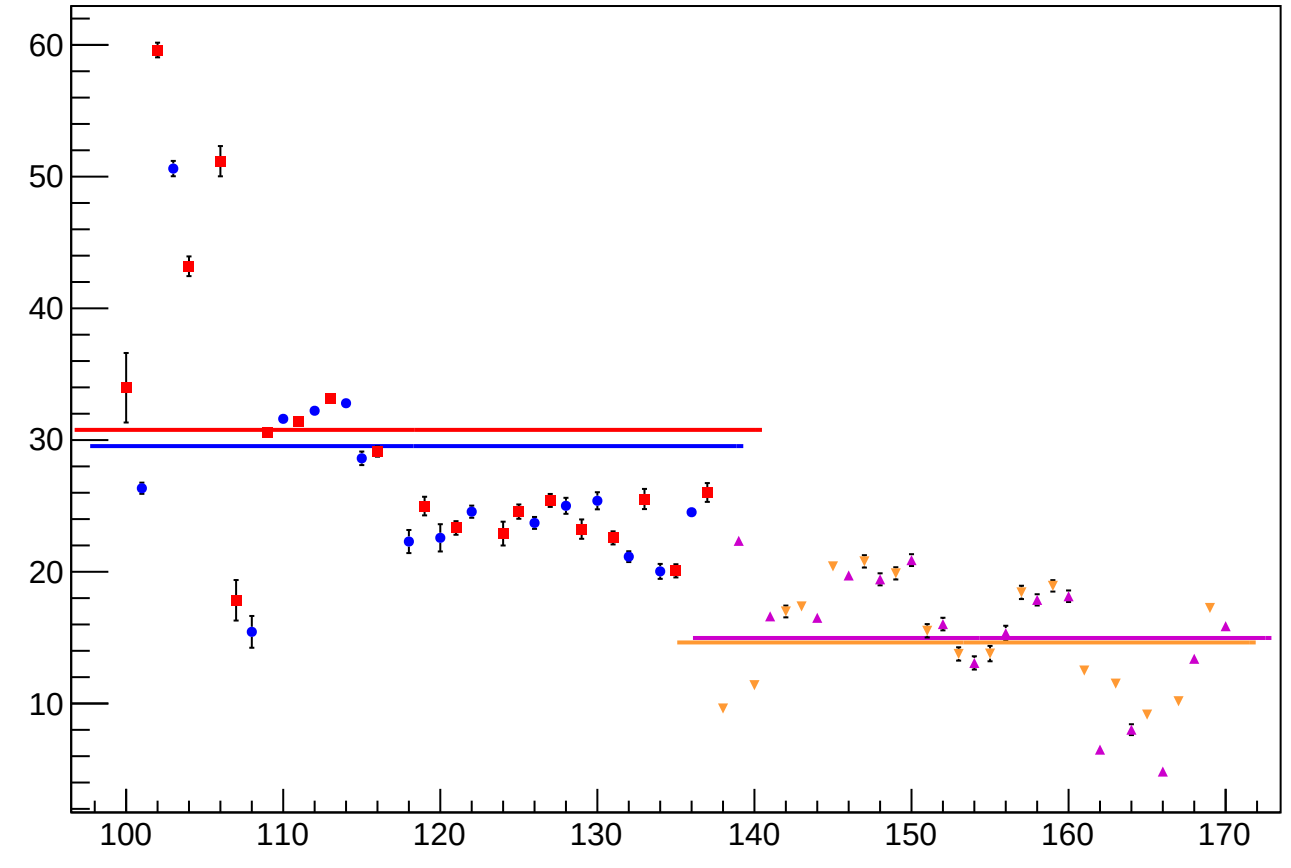
Left: -0.352+/-0.007 χ^2/NDF: 1428.5/32

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.152+/-0.008 χ^2/NDF:2172.0/31

Out: -0.153+/-0.008 χ^2/NDF:1673.0/35

All: -0.152+/-0.005 χ^2/NDF: 3845.1/67



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.635+/-0.092 χ^2/NDF:1977.4/16

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 14.975+/-0.093 χ^2/NDF:2965.7/15

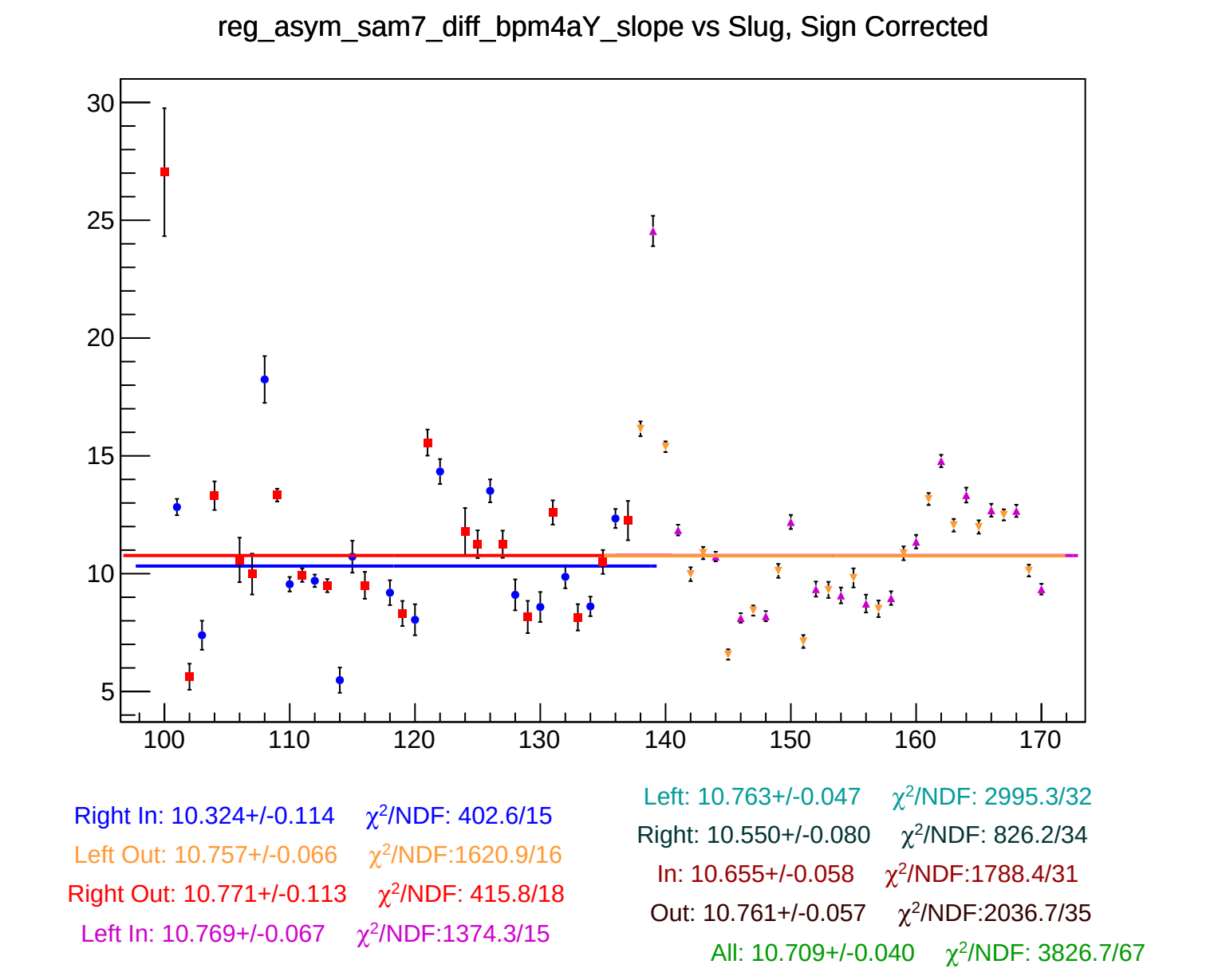
Left: 14.802+/-0.066 χ^2/NDF: 4949.8/32

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 22.374+/-0.066 χ^2/NDF:18686.8/31

Out: 23.814+/-0.060 χ^2/NDF:24542.1/35

All: 23.152+/-0.044 χ^2/NDF: 43489.8/67


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
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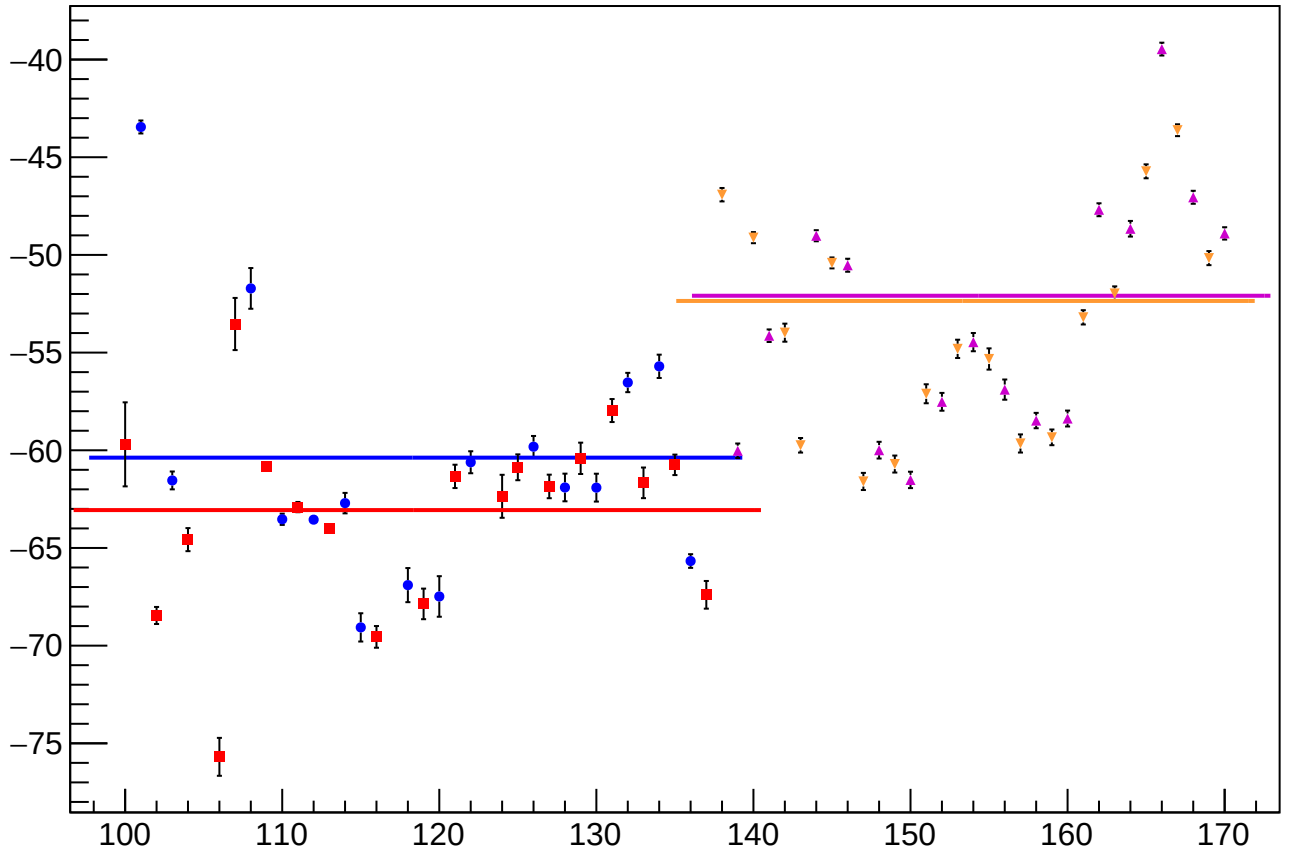
110
120
130
140
150
160
170
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 10.757+/-0.066 χ²/NDF:1620.9/16
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.769+/-0.067 χ²/NDF:1374.3/15
Left: 10.763+/-0.047 χ²/NDF: 2995.3/32
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.655+/-0.058 χ²/NDF:1788.4/31
Out: 10.761+/-0.057 χ²/NDF:2036.7/35
All: 10.709+/-0.040 χ²/NDF: 3826.7/67


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−45
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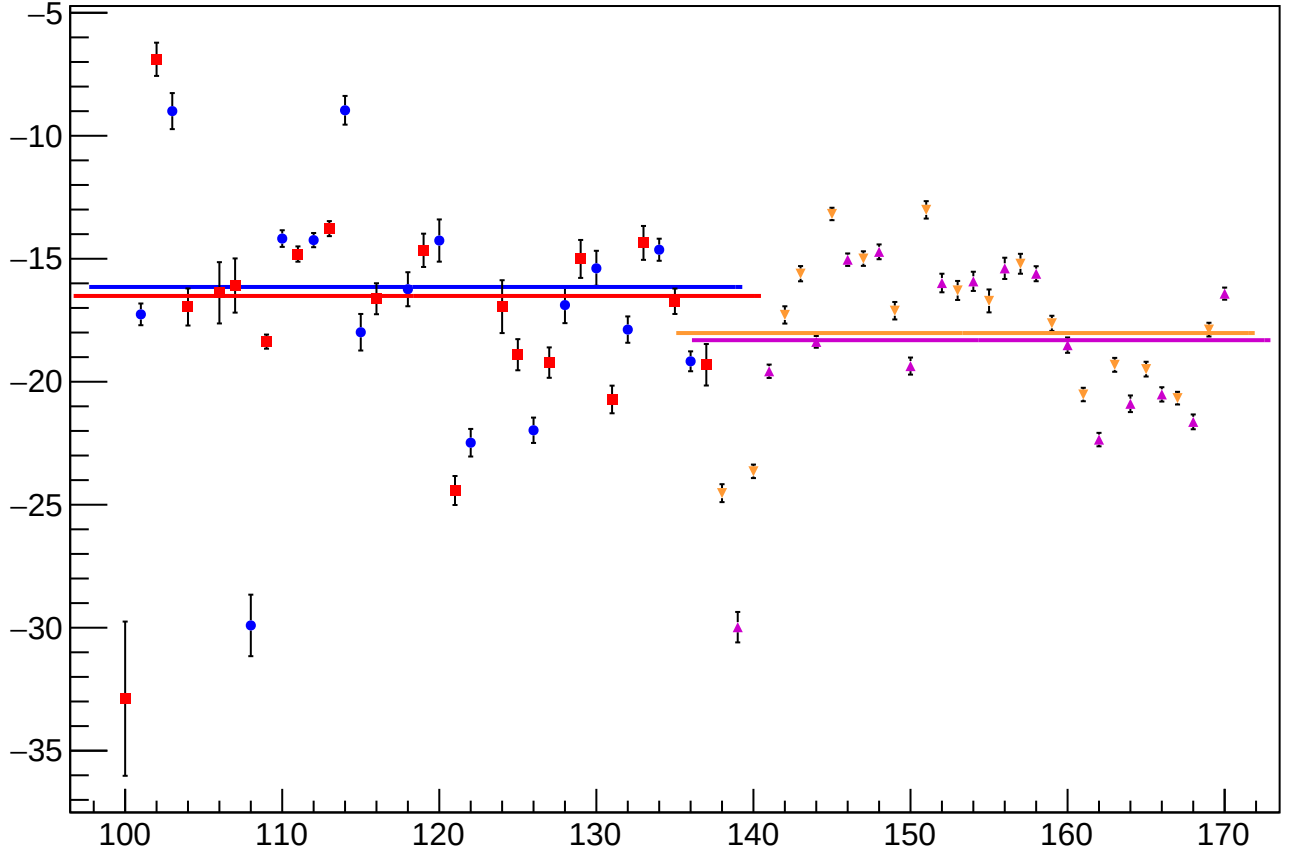
−55
−60
−65
−70
−75
100
110
120
130
140
150
160
170
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -52.357+/-0.091 χ²/NDF:3563.9/16
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -52.090+/-0.092 χ²/NDF:4289.6/15
Left: -52.224+/-0.065 χ²/NDF: 7857.7/32
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -55.385+/-0.071 χ²/NDF:11126.8/31
Out: -56.848+/-0.069 χ²/NDF:10189.8/35
All: -56.135+/-0.050 χ²/NDF: 21532.7/67



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.020+/-0.076 χ^2/NDF:1791.8/16

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.310+/-0.077 χ^2/NDF:1408.8/15

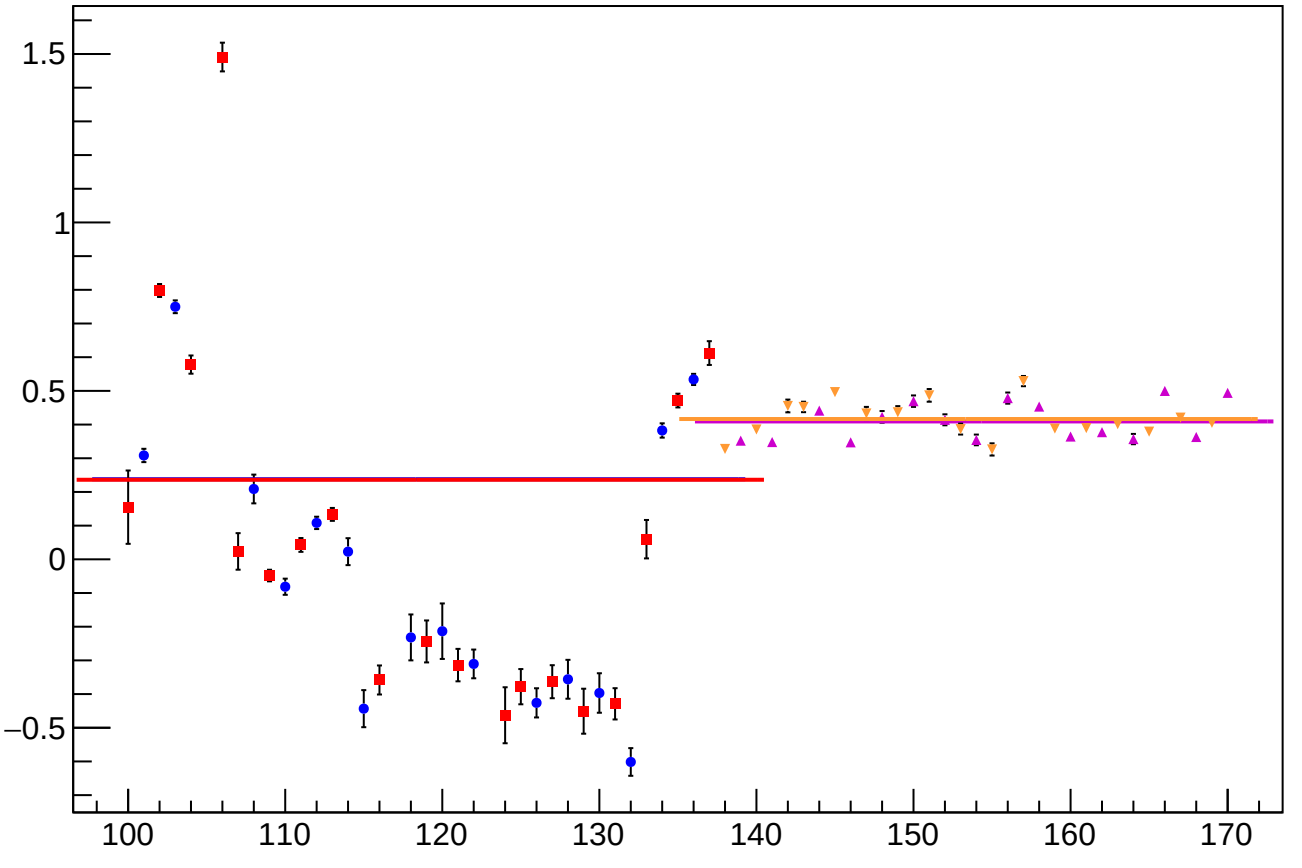
Left: -18.163+/-0.054 χ^2/NDF: 3207.9/32

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.733+/-0.066 χ^2/NDF:2418.0/31

Out: -17.615+/-0.065 χ^2/NDF:2583.6/35

All: -17.673+/-0.046 χ^2/NDF: 5003.2/67



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.416+/-0.003 χ^2/NDF:225.7/16

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.409+/-0.003 χ^2/NDF:270.7/15

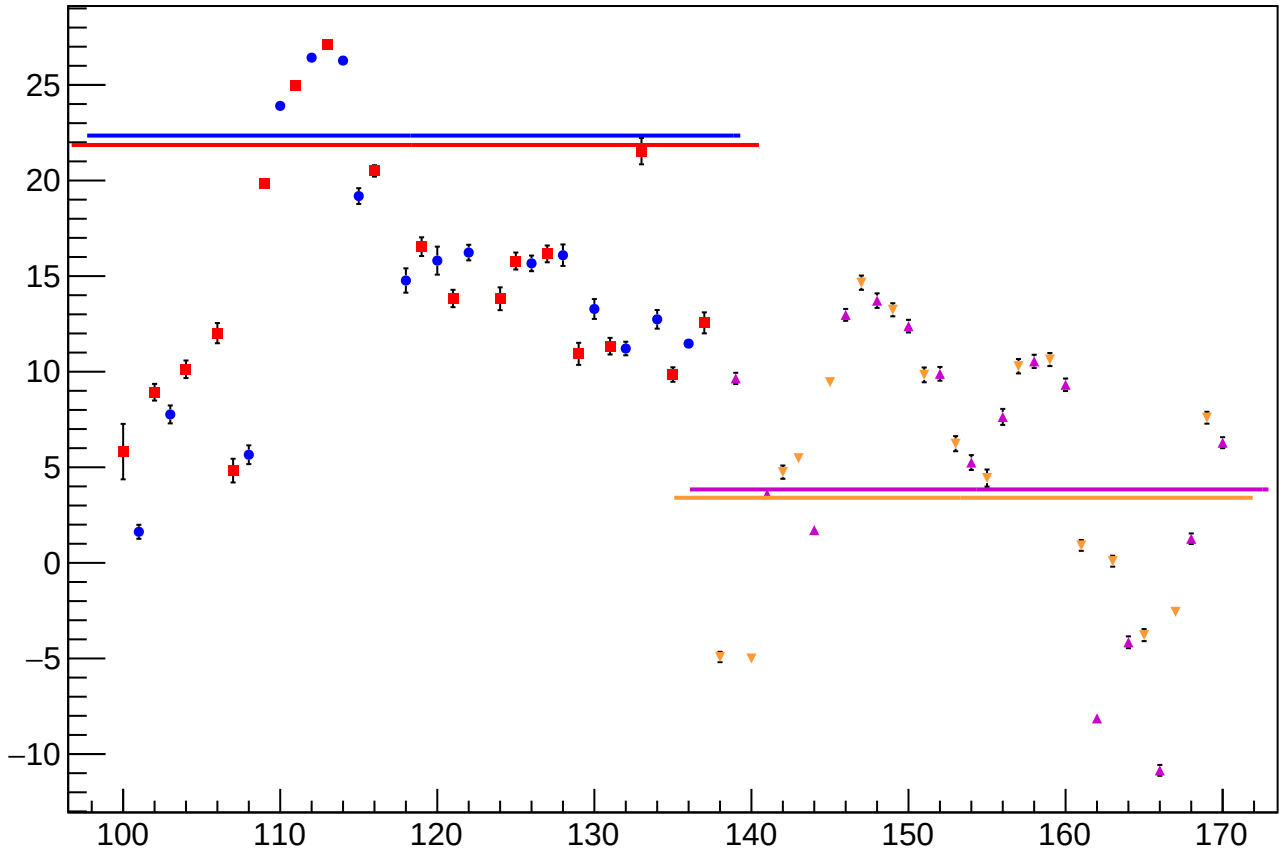
Left: 0.413+/-0.002 χ^2/NDF: 498.5/32

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.376+/-0.003 χ^2/NDF:3379.4/31

Out: 0.382+/-0.003 χ^2/NDF:4342.3/35

All: 0.379+/-0.002 χ^2/NDF: 7723.2/67



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.407+/-0.073 χ^2/NDF:7463.9/16

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.842+/-0.076 χ^2/NDF:9326.2/15

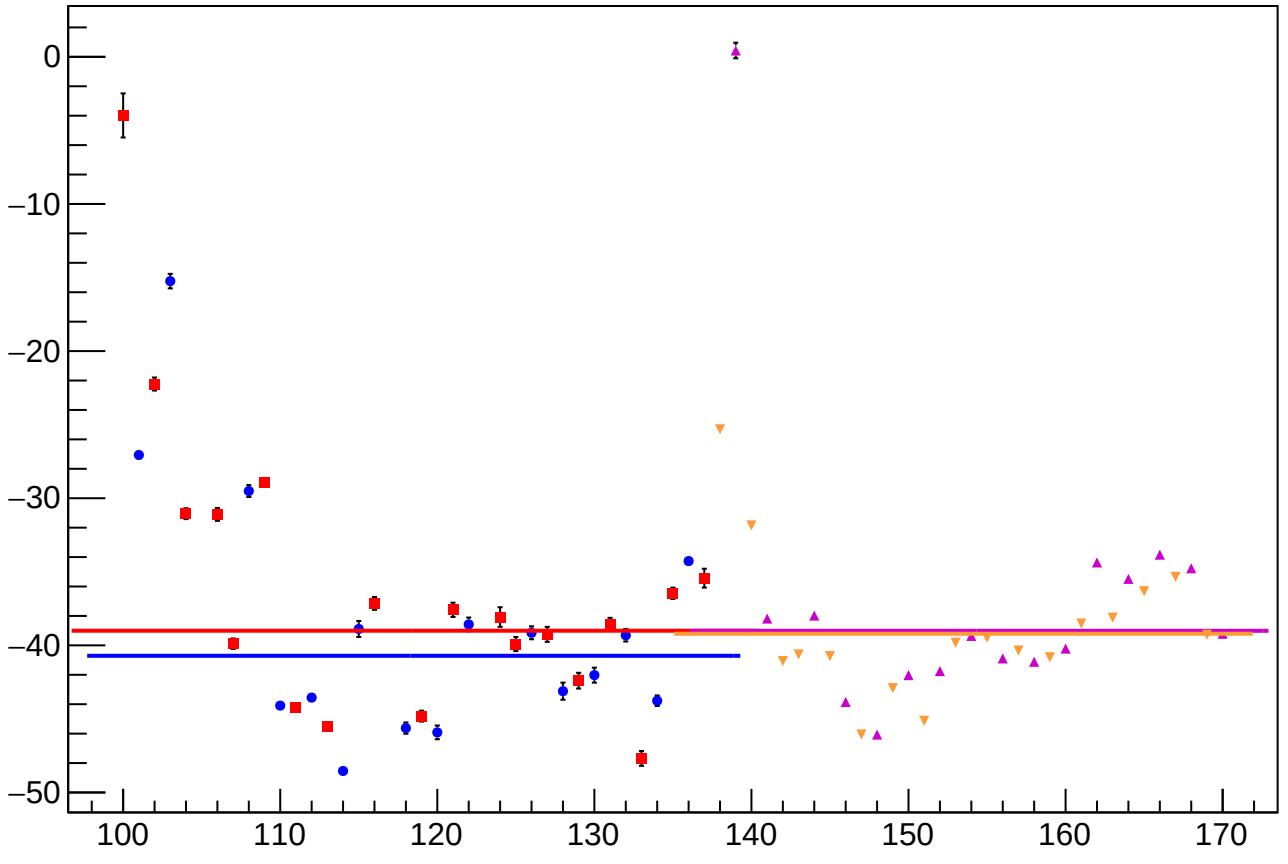
Left: 3.616+/-0.053 χ^2/NDF: 16807.3/32

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 15.734+/-0.045 χ^2/NDF:59947.4/31

Out: 16.560+/-0.039 χ^2/NDF:63793.5/35

All: 16.208+/-0.030 χ^2/NDF: 123931.4/67


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
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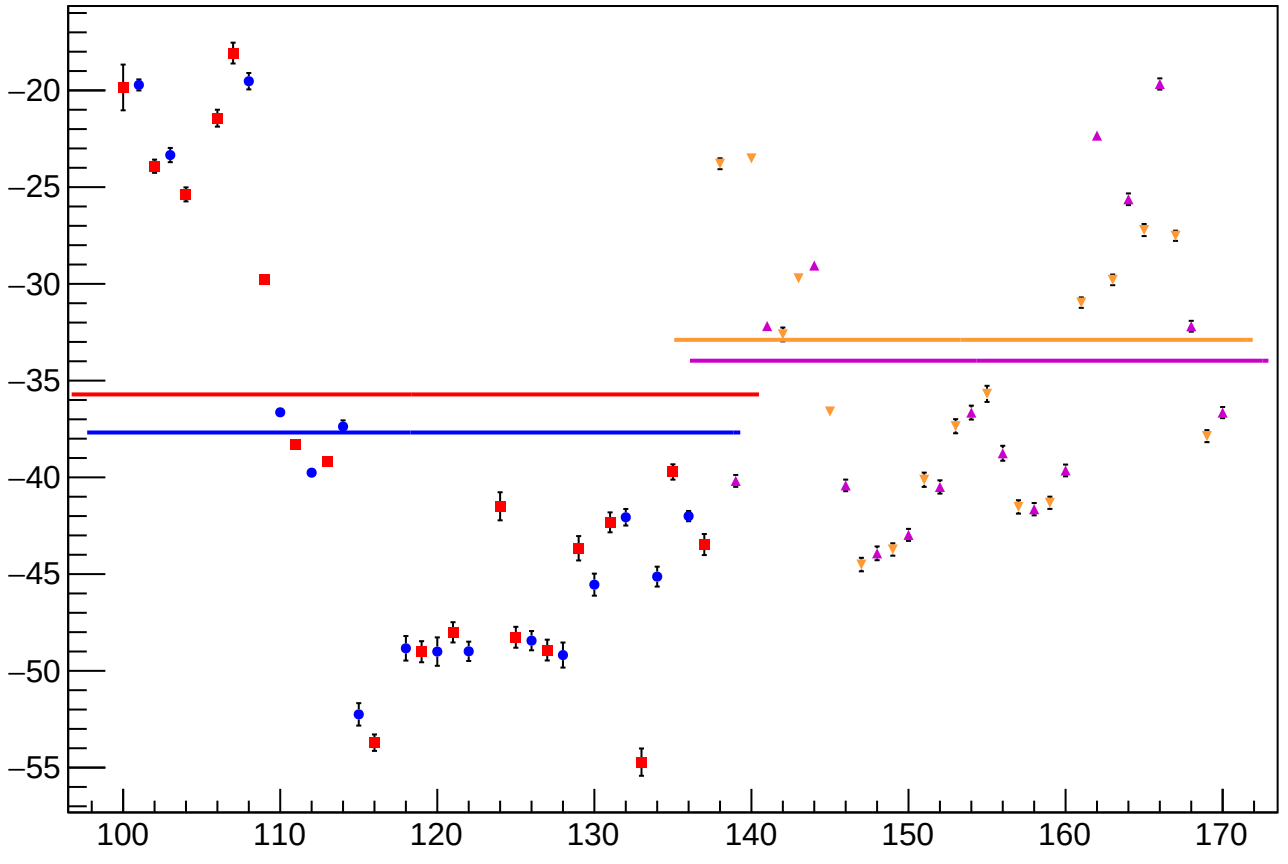
160
170
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.213+/-0.052 χ²/NDF:7985.2/16
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -39.011+/-0.054 χ²/NDF:9846.6/15
Left: -39.117+/-0.038 χ²/NDF: 17839.1/32
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -39.582+/-0.044 χ²/NDF:17954.2/31
Out: -39.141+/-0.042 χ²/NDF:18092.1/35
All: -39.348+/-0.030 χ²/NDF: 36098.6/67



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.891+/-0.072 χ^2/NDF:8573.5/16

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.970+/-0.074 χ^2/NDF:9966.5/15

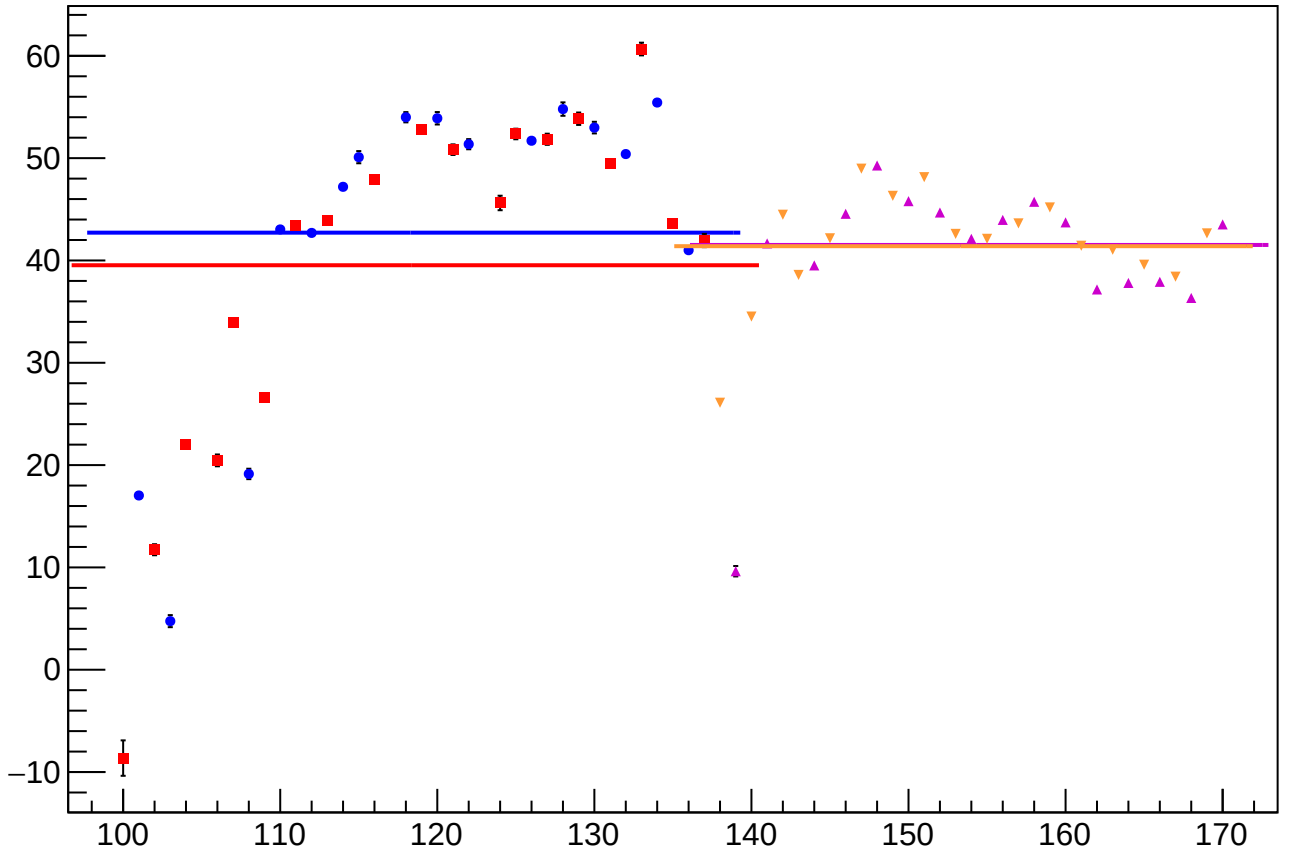
Left: -33.414+/-0.052 χ^2/NDF: 18648.5/32

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.840+/-0.052 χ^2/NDF:22076.4/31

Out: -34.463+/-0.048 χ^2/NDF:22701.2/35

All: -35.092+/-0.035 χ^2/NDF: 45153.6/67



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.395+/-0.060 χ^2/NDF:6530.5/16

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.515+/-0.062 χ^2/NDF:7343.1/15

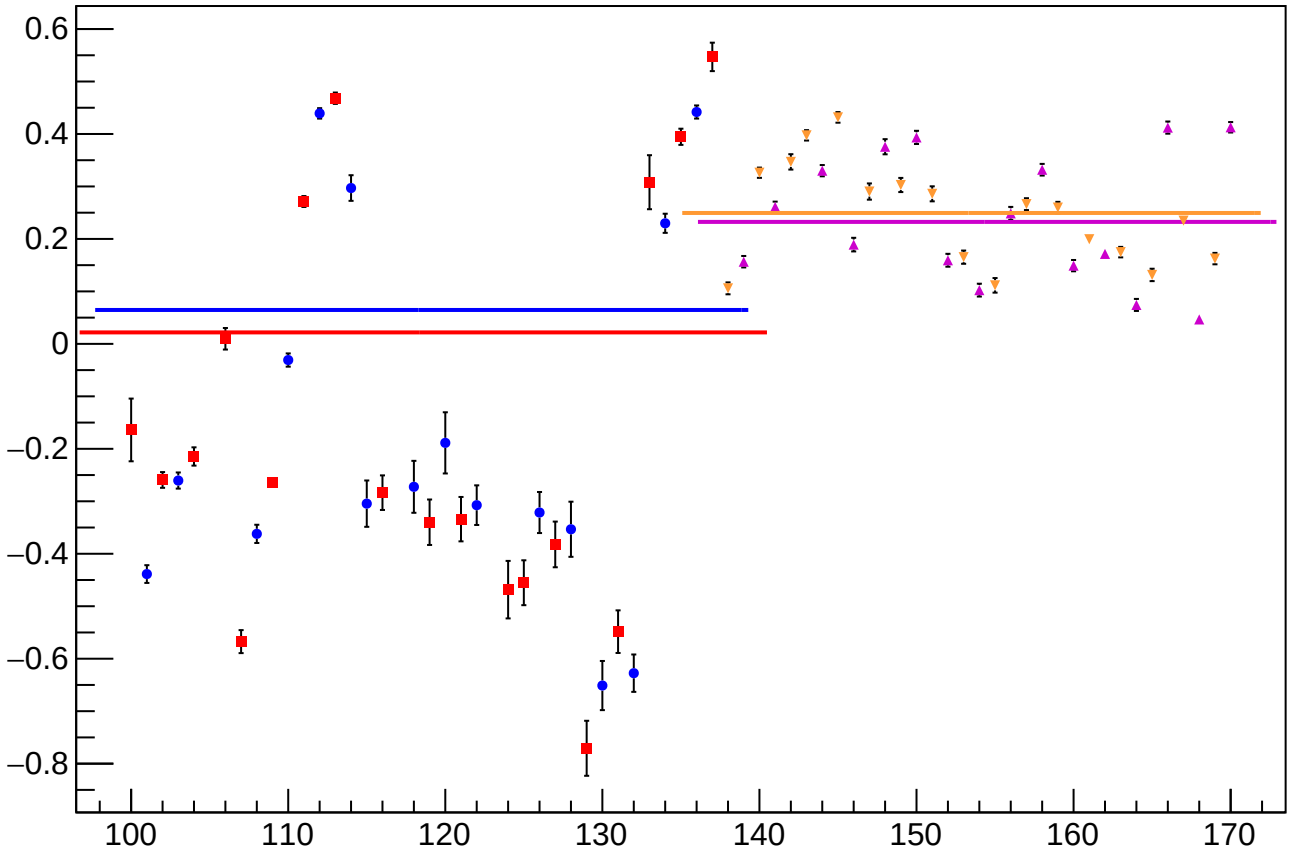
Left: 41.453+/-0.043 χ^2/NDF: 13875.5/32

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.935+/-0.050 χ^2/NDF:22238.2/31

Out: 40.709+/-0.047 χ^2/NDF:24867.0/35

All: 41.287+/-0.035 χ^2/NDF: 47419.9/67



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.249+/-0.003 χ^2/NDF:1236.4/16

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.232+/-0.003 χ^2/NDF:1877.5/15

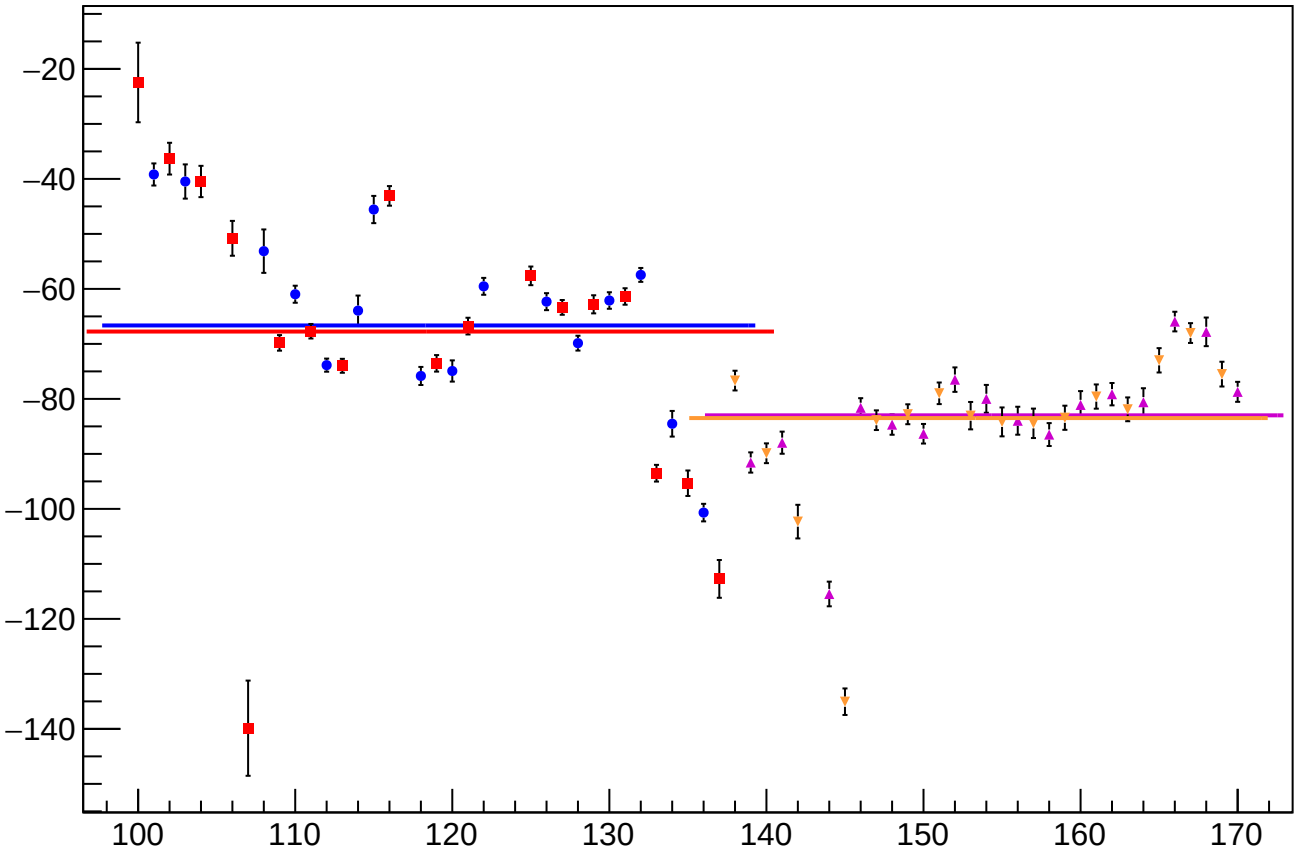
Left: 0.241+/-0.002 χ^2/NDF: 3132.8/32

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.191+/-0.002 χ^2/NDF:8277.0/31

Out: 0.185+/-0.002 χ^2/NDF:9575.8/35

All: 0.188+/-0.002 χ^2/NDF: 17855.2/67



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.489+/-0.530 χ^2/NDF:640.8/15

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -82.990+/-0.517 χ^2/NDF:391.2/15

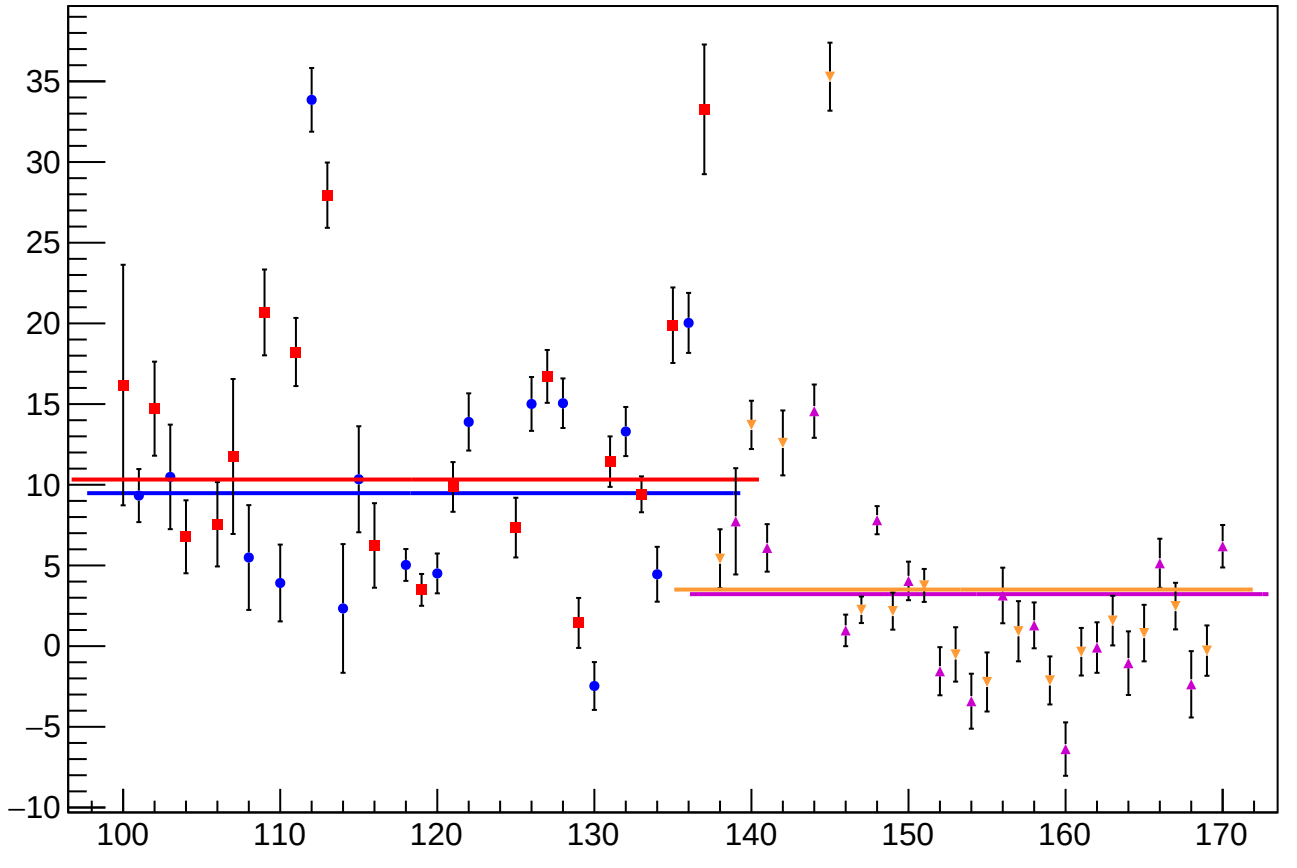
Left: -83.233+/-0.370 χ^2/NDF: 1032.5/31

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.259+/-0.329 χ^2/NDF:2038.7/31

Out: -73.813+/-0.329 χ^2/NDF:2437.9/33

All: -73.536+/-0.233 χ^2/NDF: 4478.0/65



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.507+/-0.356 χ^2/NDF:347.9/15

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.221+/-0.356 χ^2/NDF:170.3/15

Left: 3.364+/-0.252 χ^2/NDF: 518.5/31

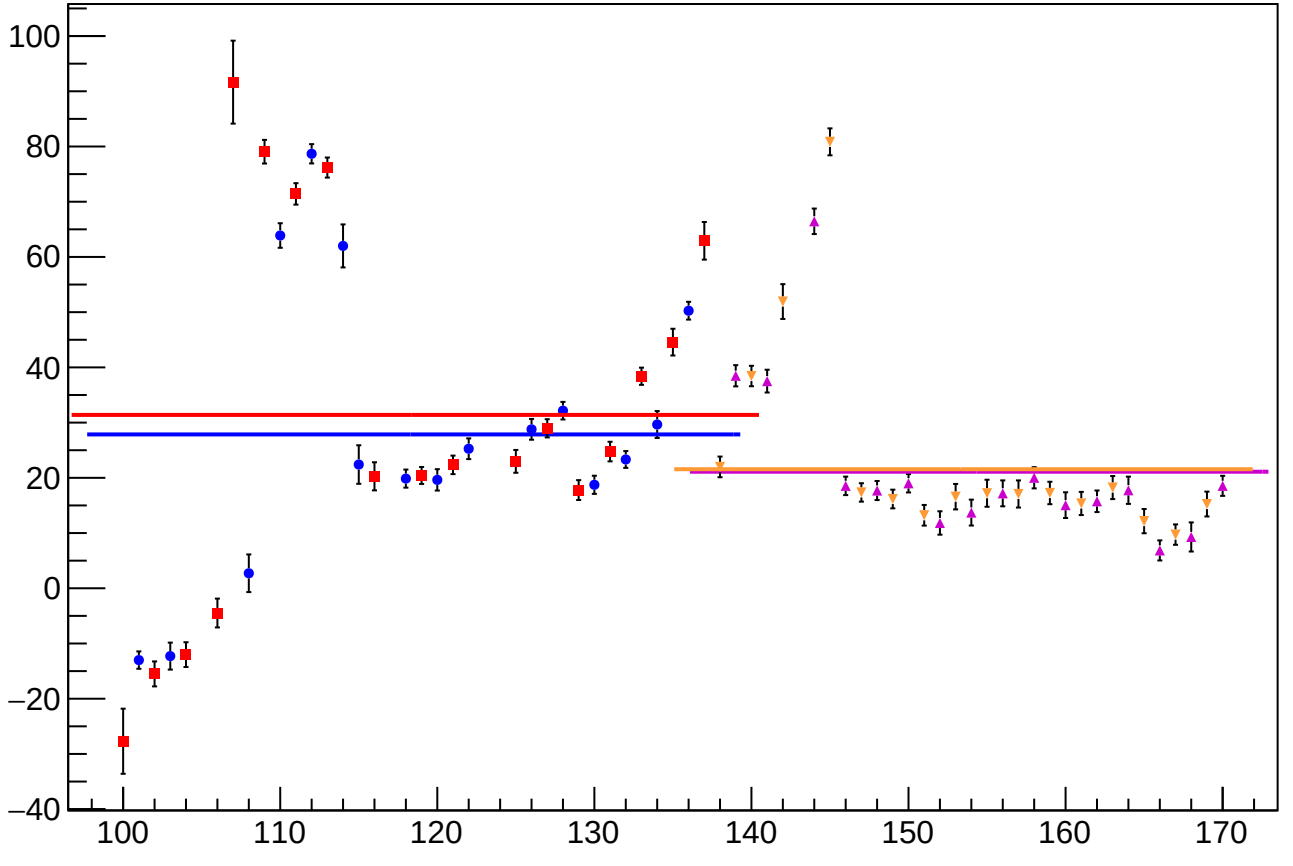
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.781+/-0.274 χ^2/NDF:638.6/31

Out: 6.236+/-0.276 χ^2/NDF:758.2/33

All: 6.007+/-0.194 χ^2/NDF: 1398.1/65

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.559+/-0.516 χ^2/NDF:897.1/15

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 21.107+/-0.502 χ^2/NDF:670.4/15

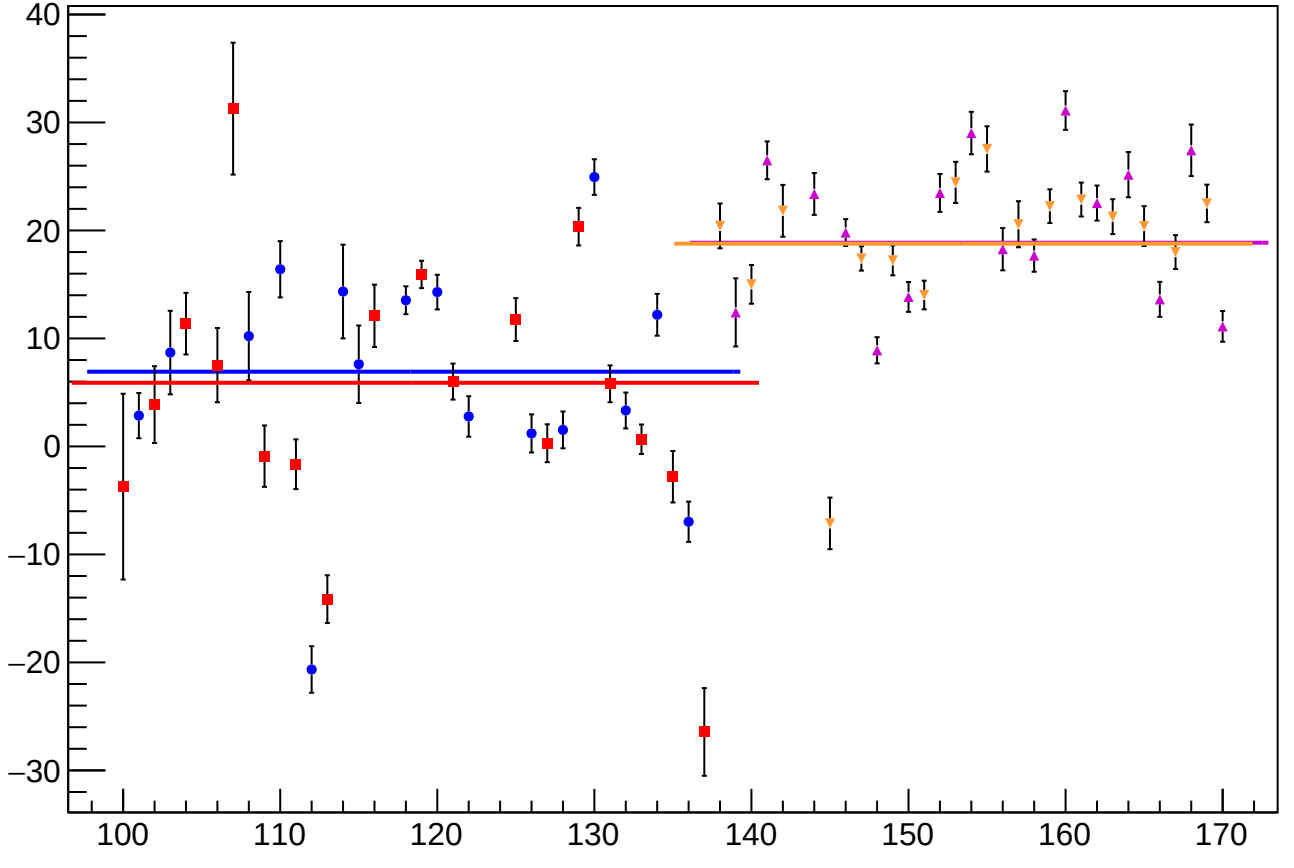
Left: 21.327+/-0.360 χ^2/NDF: 1567.9/31

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 24.620+/-0.348 χ^2/NDF:3238.4/31

Out: 26.752+/-0.354 χ^2/NDF:4100.6/33

All: 25.667+/-0.248 χ^2/NDF: 7357.4/65



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.779+/-0.418 χ^2/NDF:186.4/15

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.865+/-0.415 χ^2/NDF:257.9/15

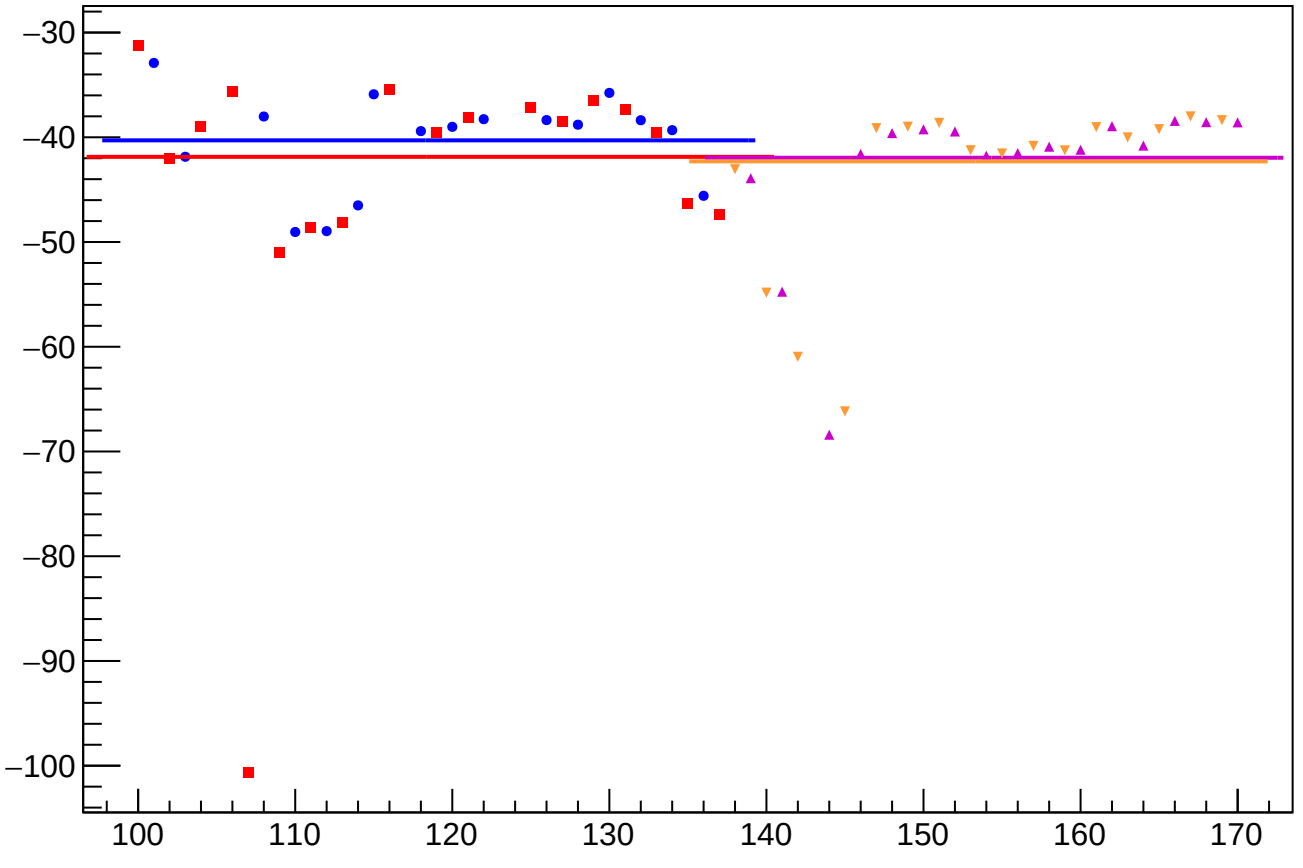
Left: 18.822+/-0.295 χ^2/NDF: 444.4/31

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.937+/-0.318 χ^2/NDF:1043.4/31

Out: 13.498+/-0.321 χ^2/NDF:943.1/33

All: 13.720+/-0.226 χ^2/NDF: 1987.5/65



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -42.302+/-0.020 χ^2/NDF:123651.4/15

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.954+/-0.019 χ^2/NDF:101427.5/15

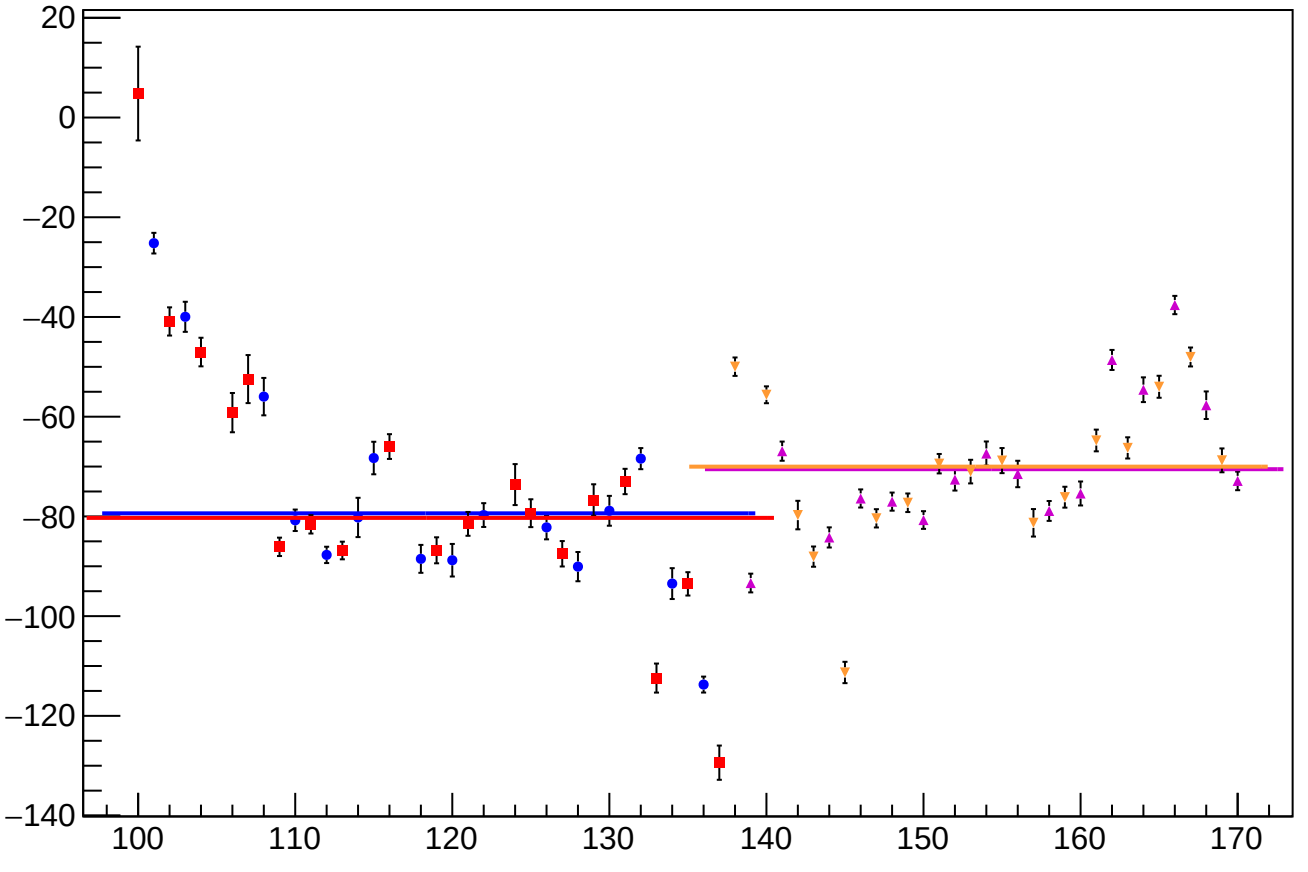
Left: -42.121+/-0.014 χ^2/NDF: 225242.5/31

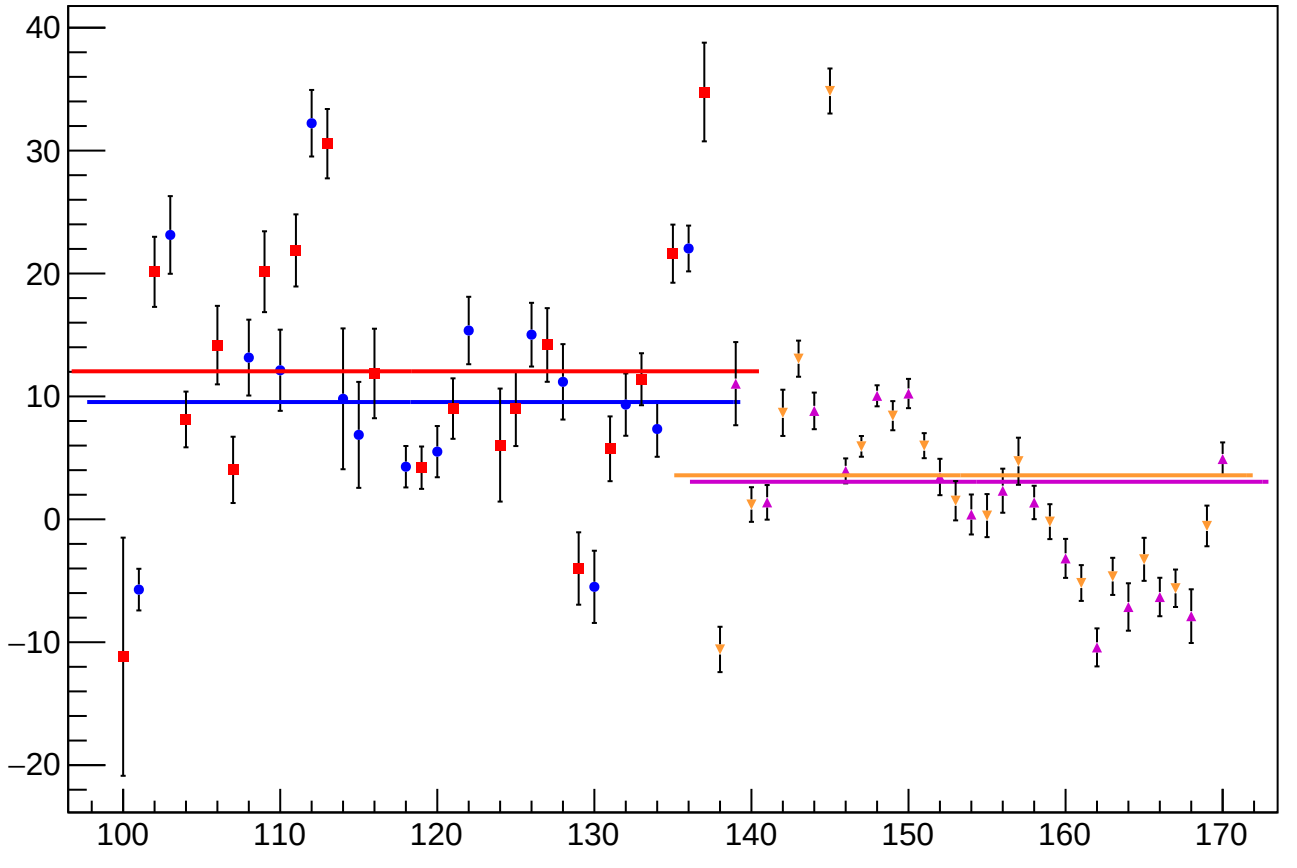
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

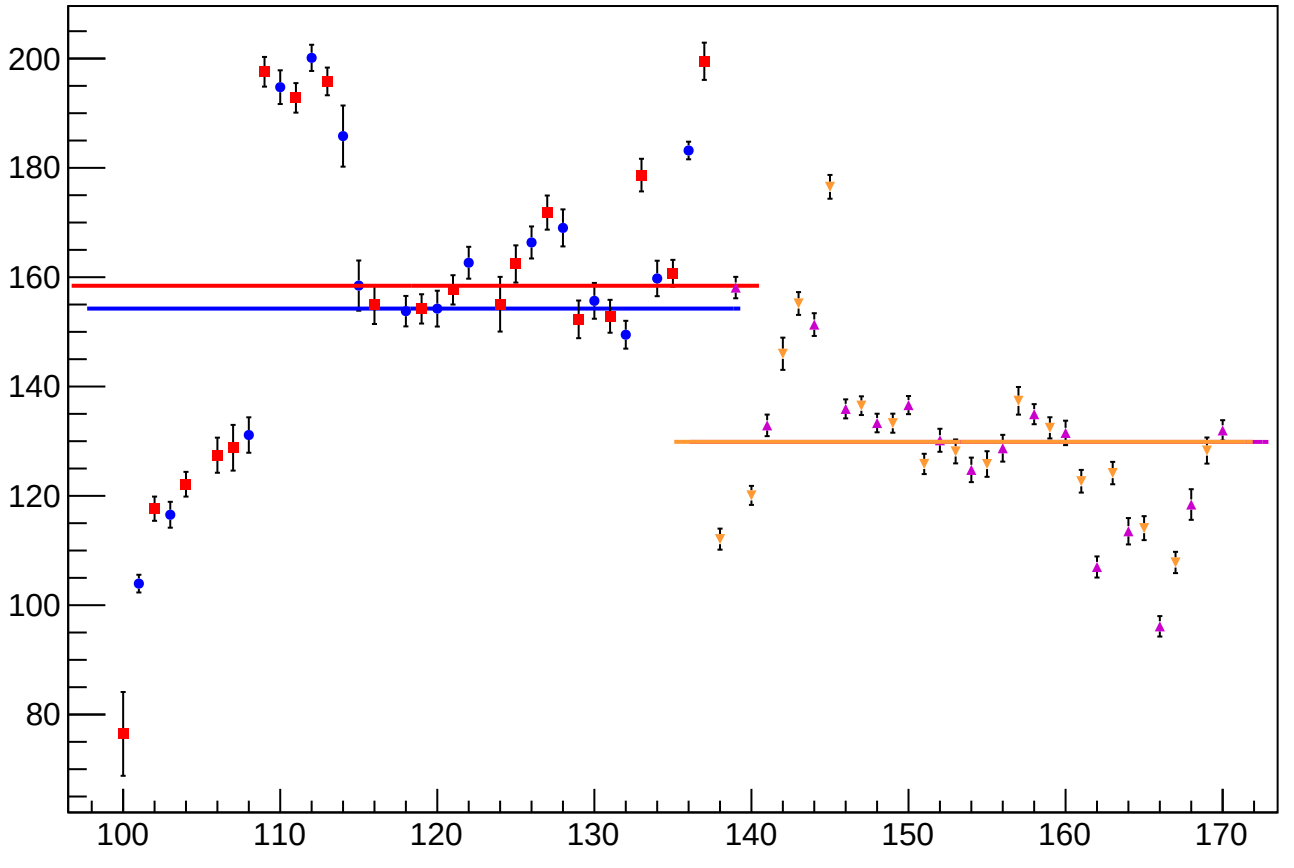
In: -41.513+/-0.016 χ^2/NDF:124145.5/31

Out: -42.184+/-0.017 χ^2/NDF:182519.6/33

All: -41.838+/-0.012 χ^2/NDF: 307497.6/65


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -70.018+/-0.509 χ²/NDF:922.0/16
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -70.529+/-0.514 χ²/NDF:782.9/15
Left: -70.271+/-0.362 χ²/NDF: 1705.5/32
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -74.195+/-0.393 χ²/NDF:2381.8/31
Out: -74.285+/-0.389 χ²/NDF:2006.0/35
All: -74.240+/-0.277 χ²/NDF: 4387.8/67


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 3.582+/-0.344 χ²/NDF:568.6/16
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.055+/-0.353 χ²/NDF:312.3/15
Left: 3.325+/-0.247 χ²/NDF: 882.0/32
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.640+/-0.307 χ²/NDF:661.7/31
Out: 5.495+/-0.303 χ²/NDF:901.0/35
All: 5.073+/-0.216 χ²/NDF: 1566.7/67



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.884+/-0.497 χ^2/NDF:991.2/16

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 129.867+/-0.499 χ^2/NDF:892.3/15

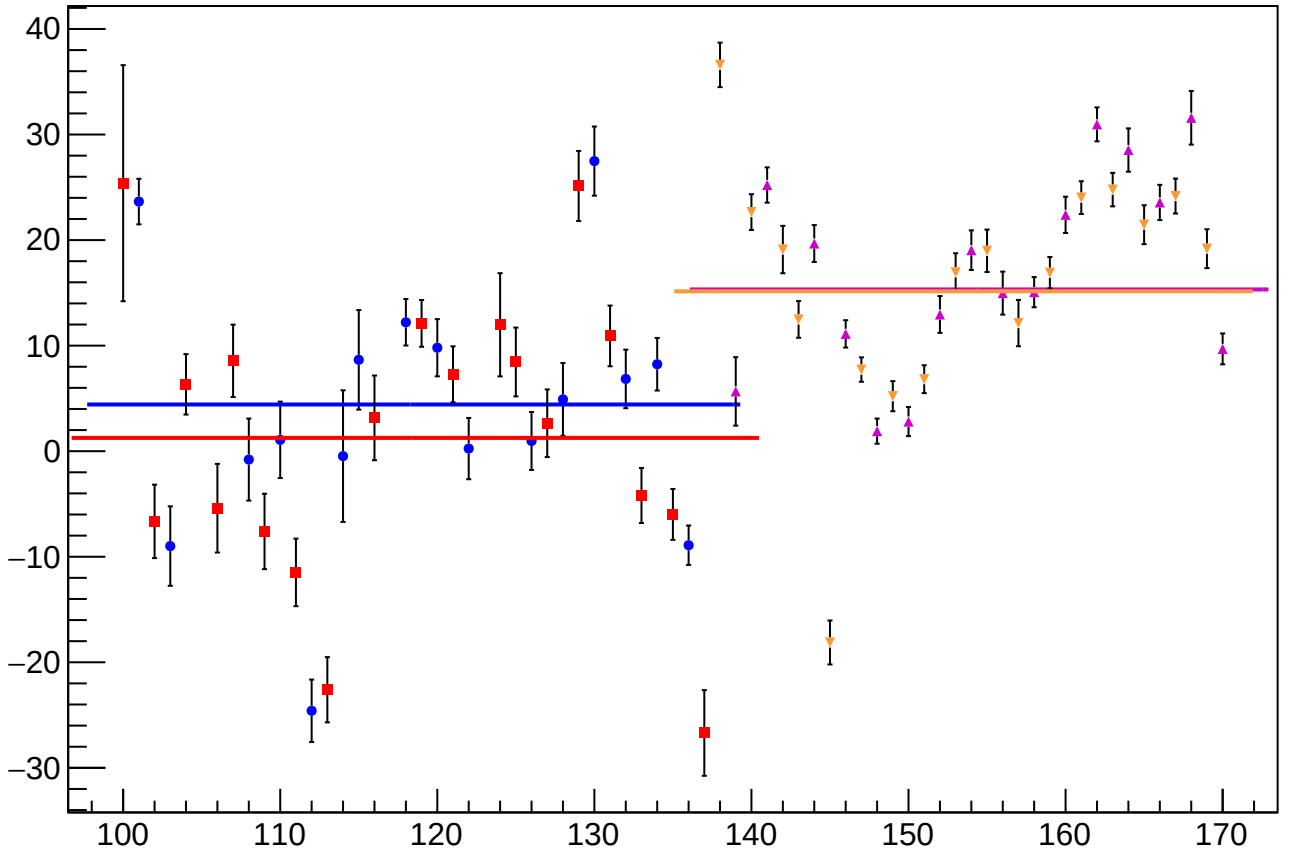
Left: 129.876+/-0.352 χ^2/NDF: 1883.5/32

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 138.710+/-0.398 χ^2/NDF:3972.3/31

Out: 139.776+/-0.402 χ^2/NDF:3798.8/35

All: 139.238+/-0.283 χ^2/NDF: 7774.6/67



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 15.149+/-0.404 χ^2/NDF:637.3/16

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.324+/-0.412 χ^2/NDF:509.5/15

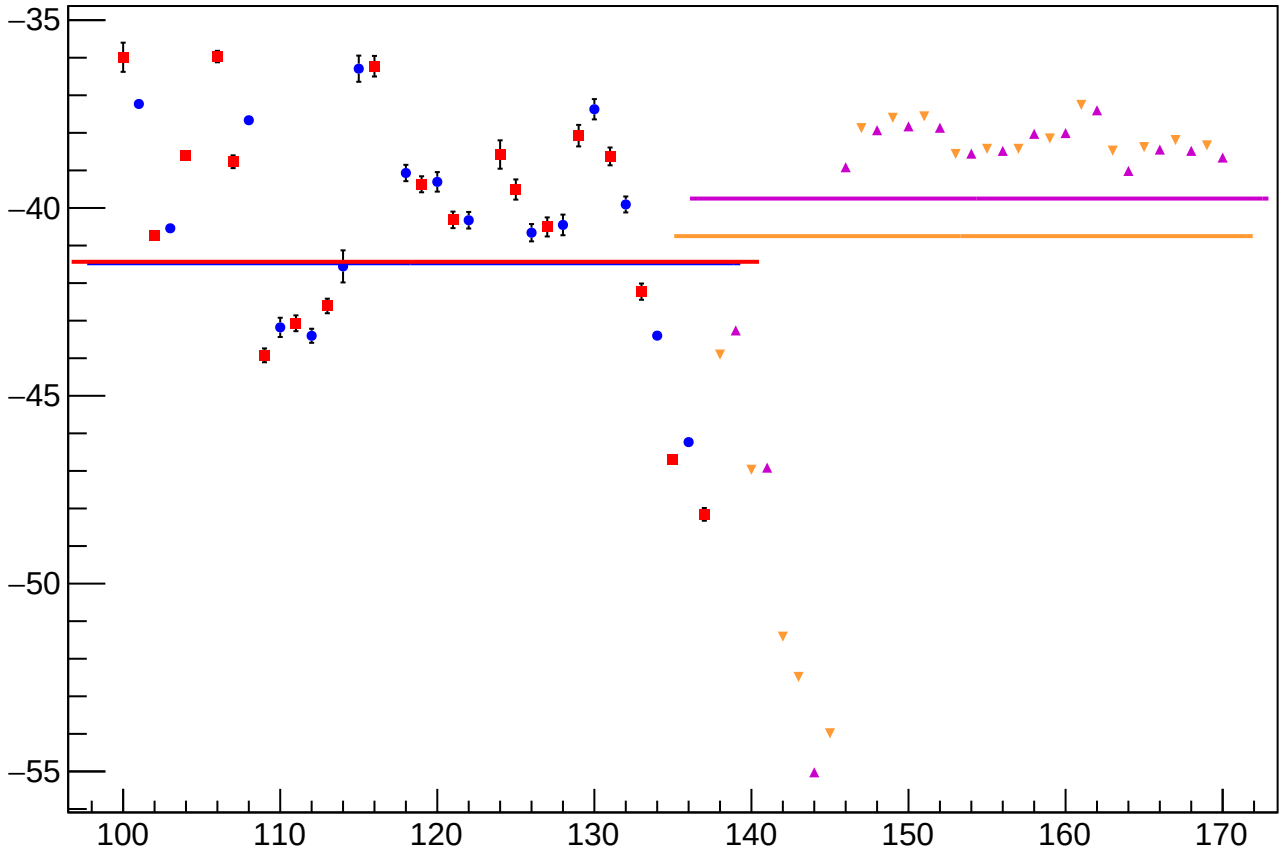
Left: 15.235+/-0.288 χ^2/NDF: 1146.9/32

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.603+/-0.357 χ^2/NDF:1000.4/31

Out: 11.903+/-0.354 χ^2/NDF:1178.3/35

All: 12.250+/-0.251 χ^2/NDF: 2180.7/67



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.749+/-0.019 χ^2/NDF:73143.6/16

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.749+/-0.019 χ^2/NDF:43156.6/15

Left: -40.245+/-0.013 χ^2/NDF: 117703.5/32

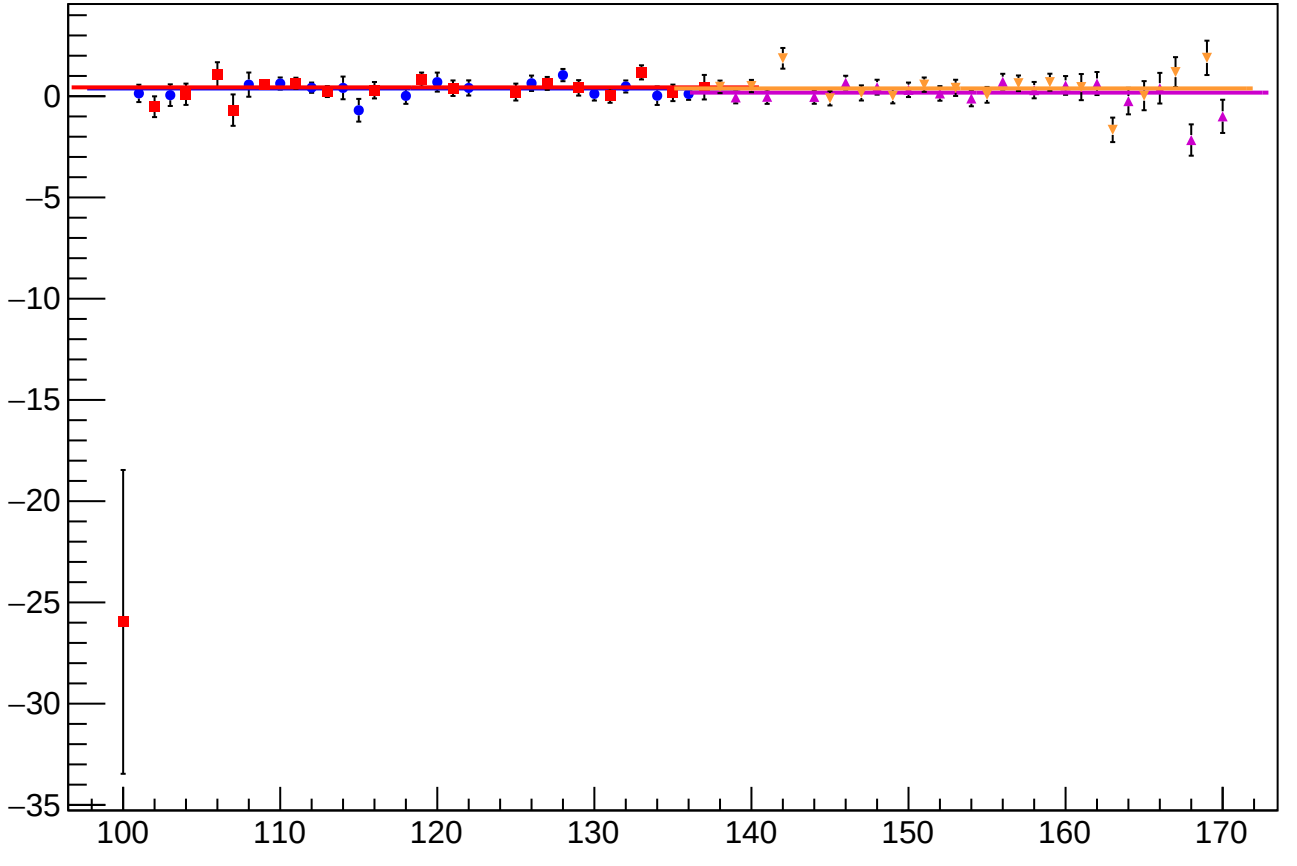
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.086+/-0.017 χ^2/NDF:52712.0/31

Out: -40.877+/-0.017 χ^2/NDF:81612.2/35

All: -40.476+/-0.012 χ^2/NDF: 135410.5/67

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.385+/-0.105 χ^2/NDF:29.9/15

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.177+/-0.103 χ^2/NDF:19.6/15

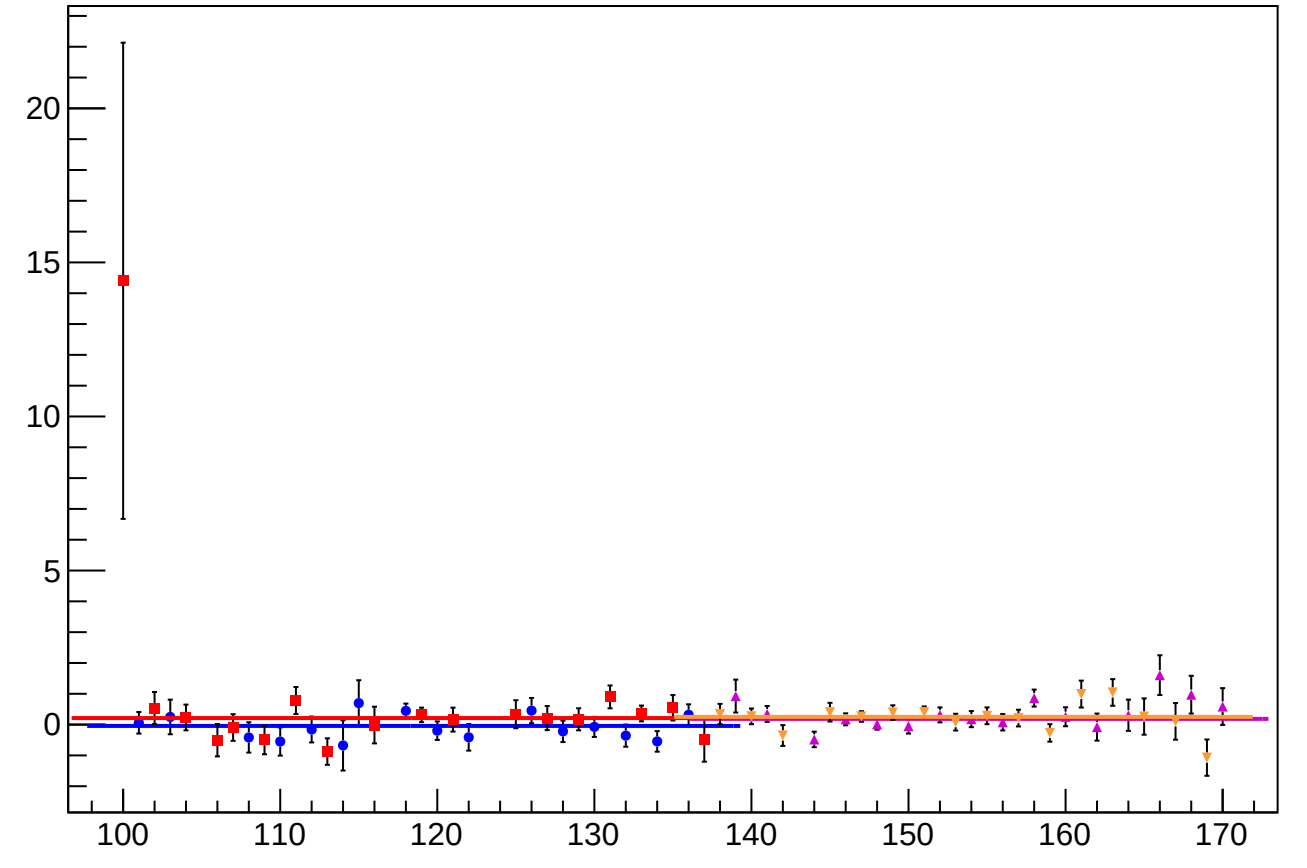
Left: 0.279+/-0.073 χ^2/NDF: 51.5/31

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.291+/-0.069 χ^2/NDF:35.8/31

Out: 0.414+/-0.068 χ^2/NDF:59.0/33

All: 0.353+/-0.048 χ^2/NDF: 96.4/65



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.251+/-0.071 χ^2/NDF:19.7/15

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.186+/-0.071 χ^2/NDF:25.1/15

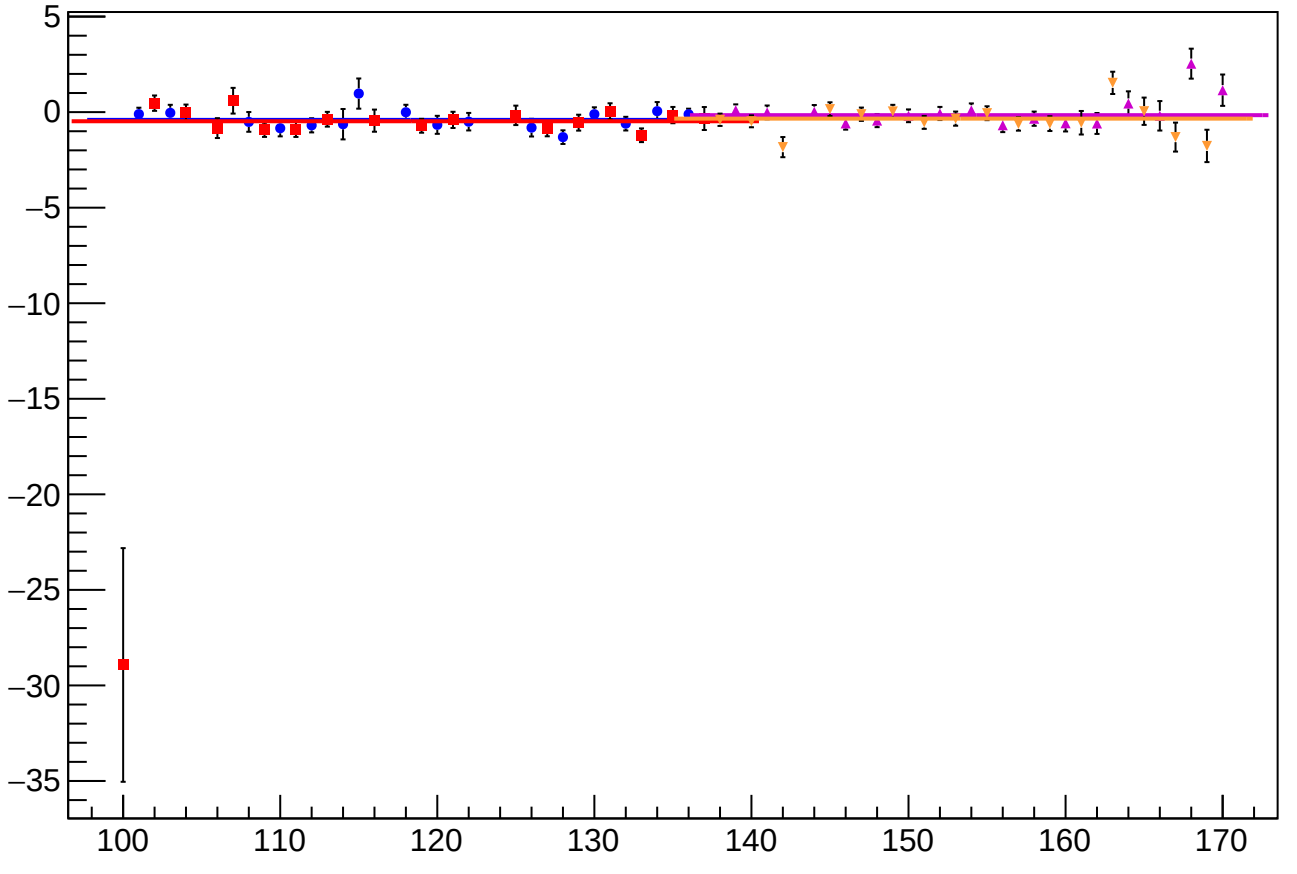
Left: 0.218+/-0.050 χ^2/NDF: 45.2/31

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.103+/-0.057 χ^2/NDF:43.9/31

Out: 0.237+/-0.057 χ^2/NDF:42.2/33

All: 0.170+/-0.040 χ^2/NDF: 88.9/65



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.340+/-0.102 χ^2/NDF:29.0/15

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.159+/-0.100 χ^2/NDF:23.3/15

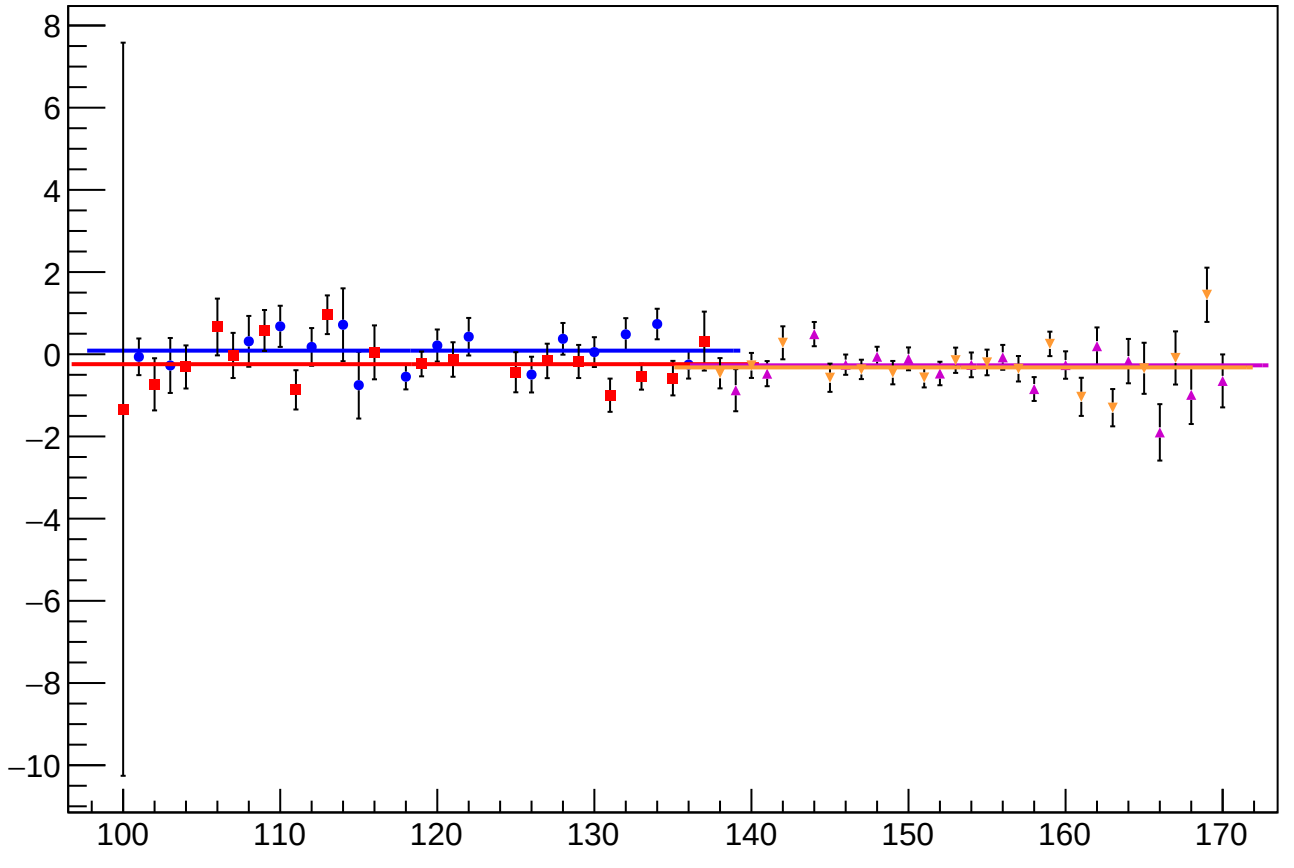
Left: -0.248+/-0.071 χ^2/NDF: 53.9/31

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.278+/-0.072 χ^2/NDF:44.1/31

Out: -0.407+/-0.073 χ^2/NDF:72.1/33

All: -0.342+/-0.051 χ^2/NDF: 117.8/65



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.320+/-0.085 χ^2/NDF:22.7/15

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.269+/-0.084 χ^2/NDF:22.5/15

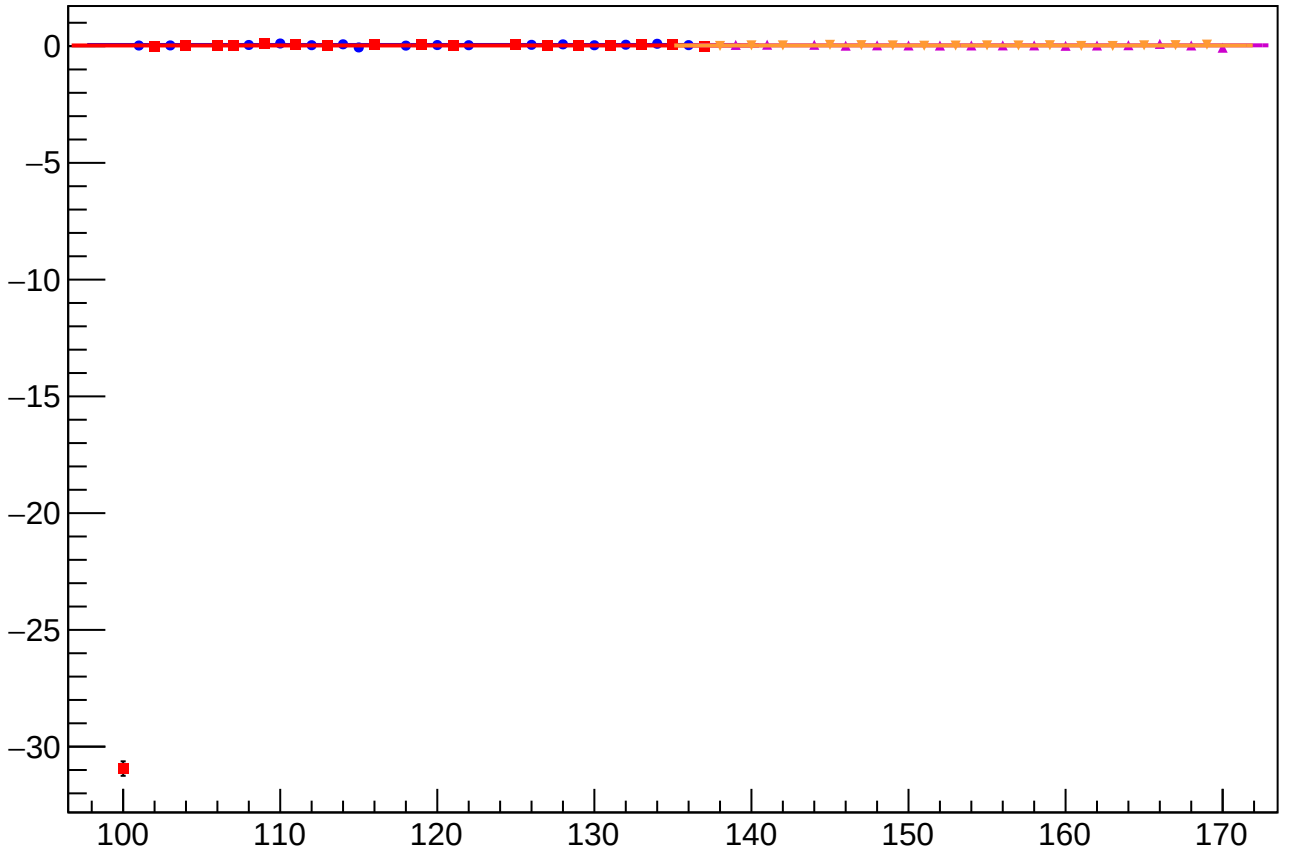
Left: -0.294+/-0.060 χ^2/NDF: 45.4/31

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.135+/-0.066 χ^2/NDF:45.1/31

Out: -0.291+/-0.067 χ^2/NDF:42.7/33

All: -0.212+/-0.047 χ^2/NDF: 90.5/65



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:12.0/15

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.034+/-0.004 χ^2/NDF:28.9/15

Left: 0.031+/-0.003 χ^2/NDF: 42.2/31

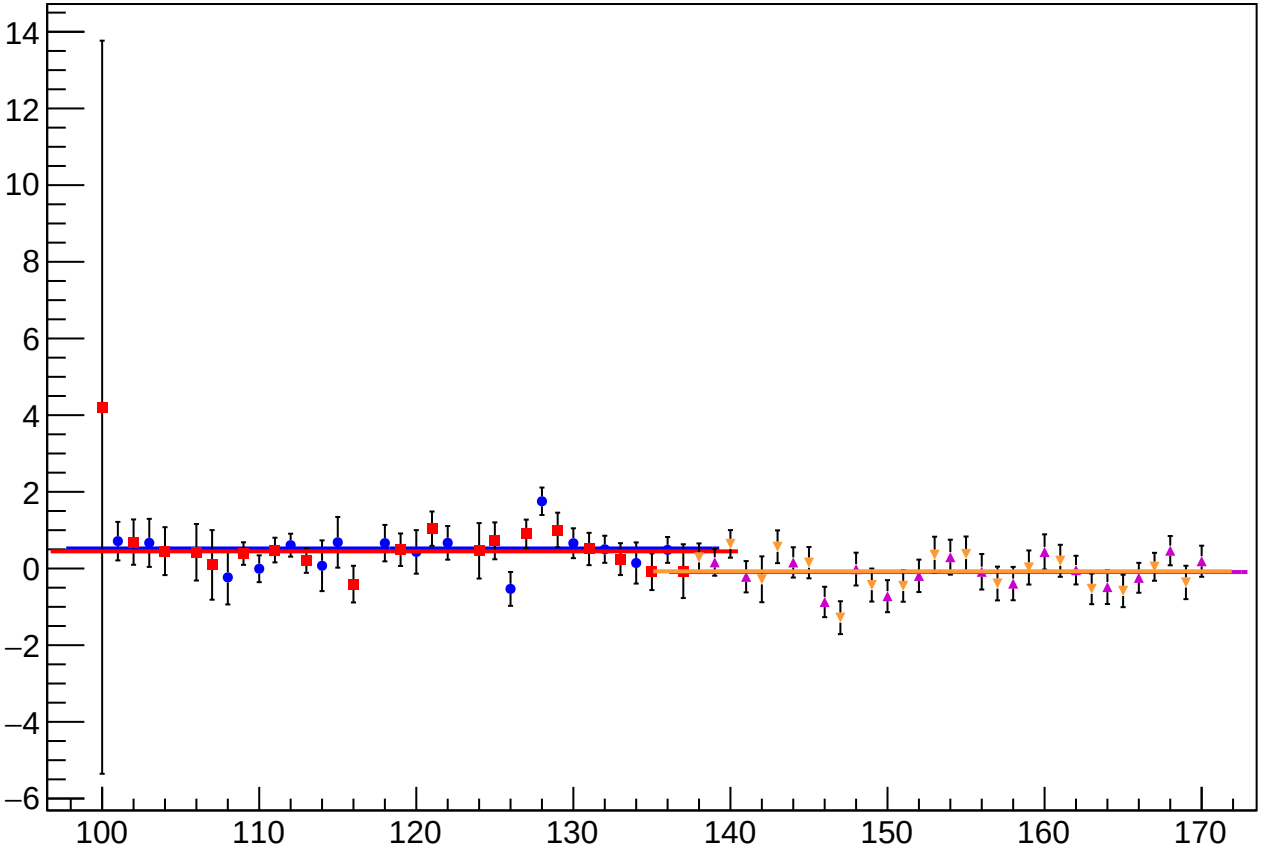
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.038+/-0.003 χ^2/NDF:52.2/31

Out: 0.028+/-0.003 χ^2/NDF:10032.9/33

All: 0.033+/-0.002 χ^2/NDF: 10089.7/65

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.073+/-0.102 χ^2/NDF:23.3/16

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.093+/-0.103 χ^2/NDF:13.3/15

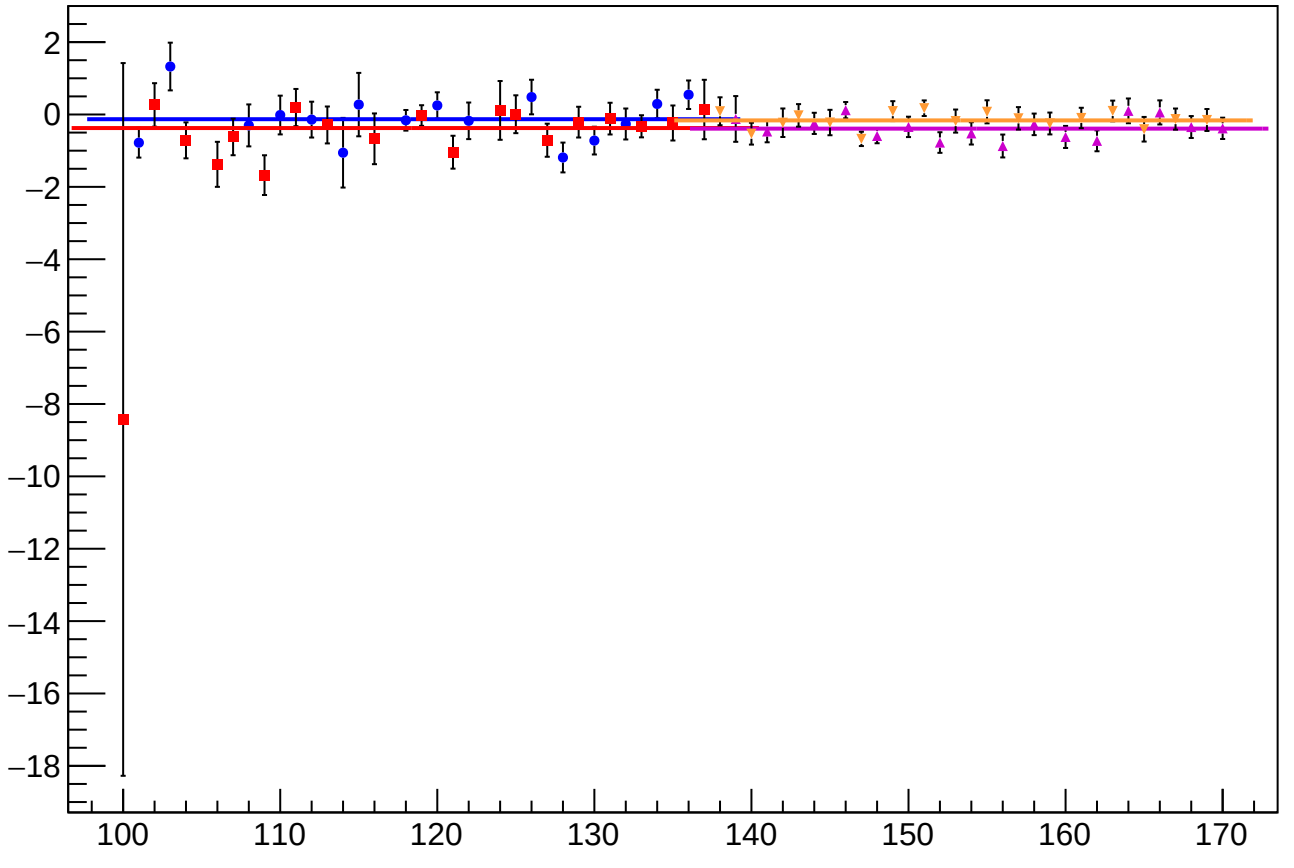
Left: -0.083+/-0.072 χ^2/NDF: 36.6/32

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.198+/-0.075 χ^2/NDF:52.9/31

Out: 0.179+/-0.073 χ^2/NDF:47.3/35

All: 0.188+/-0.052 χ^2/NDF: 100.2/67



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.163+/-0.071 χ^2/NDF:14.2/16

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.391+/-0.073 χ^2/NDF:17.0/15

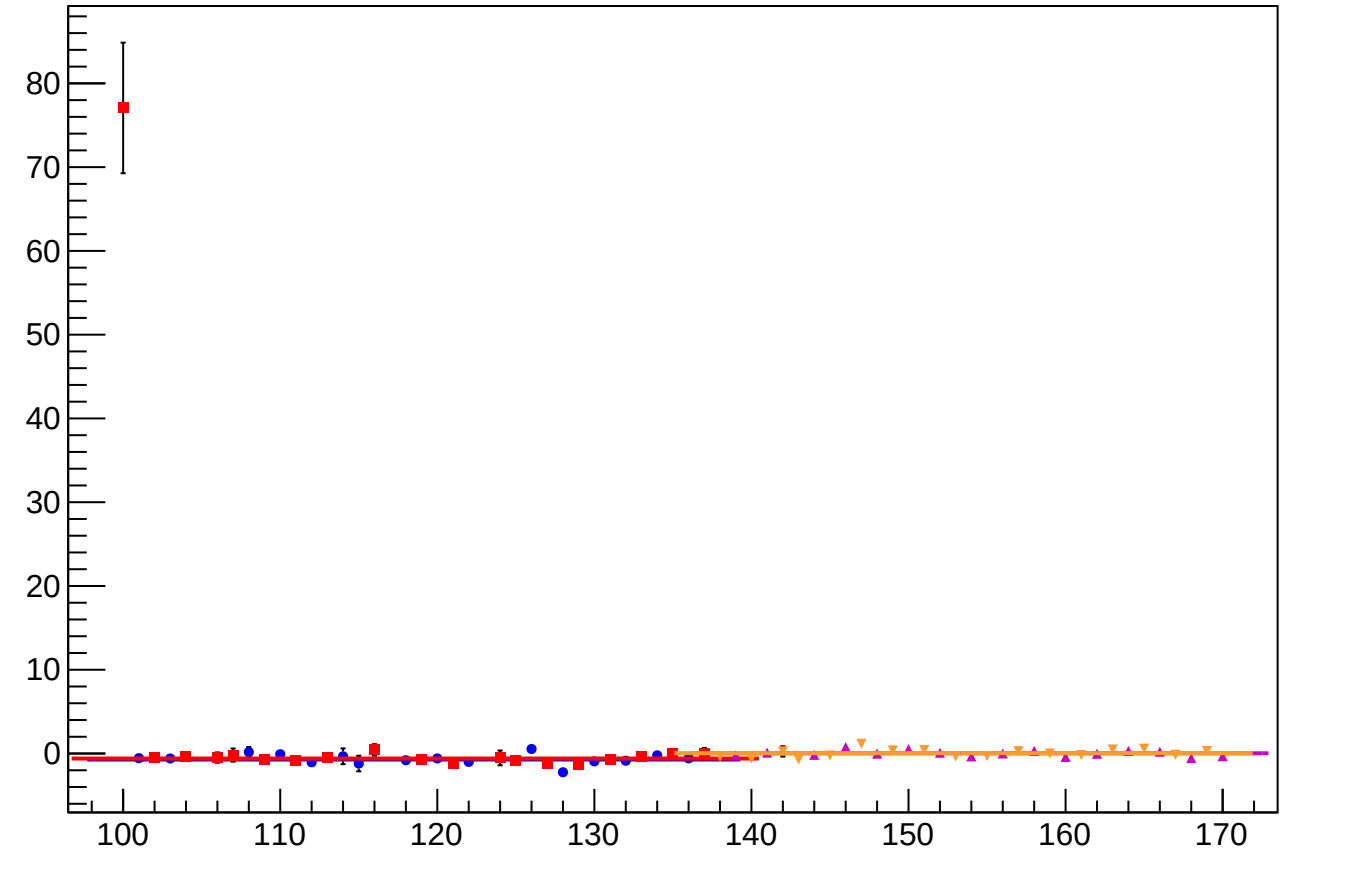
Left: -0.274+/-0.051 χ^2/NDF: 36.2/32

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.313+/-0.061 χ^2/NDF:45.4/31

Out: -0.224+/-0.060 χ^2/NDF:35.0/35

All: -0.268+/-0.043 χ^2/NDF: 81.5/67



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.043+/-0.100 χ^2/NDF:23.2/16

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.027+/-0.100 χ^2/NDF:12.1/15

Left: 0.035+/-0.071 χ^2/NDF: 35.4/32

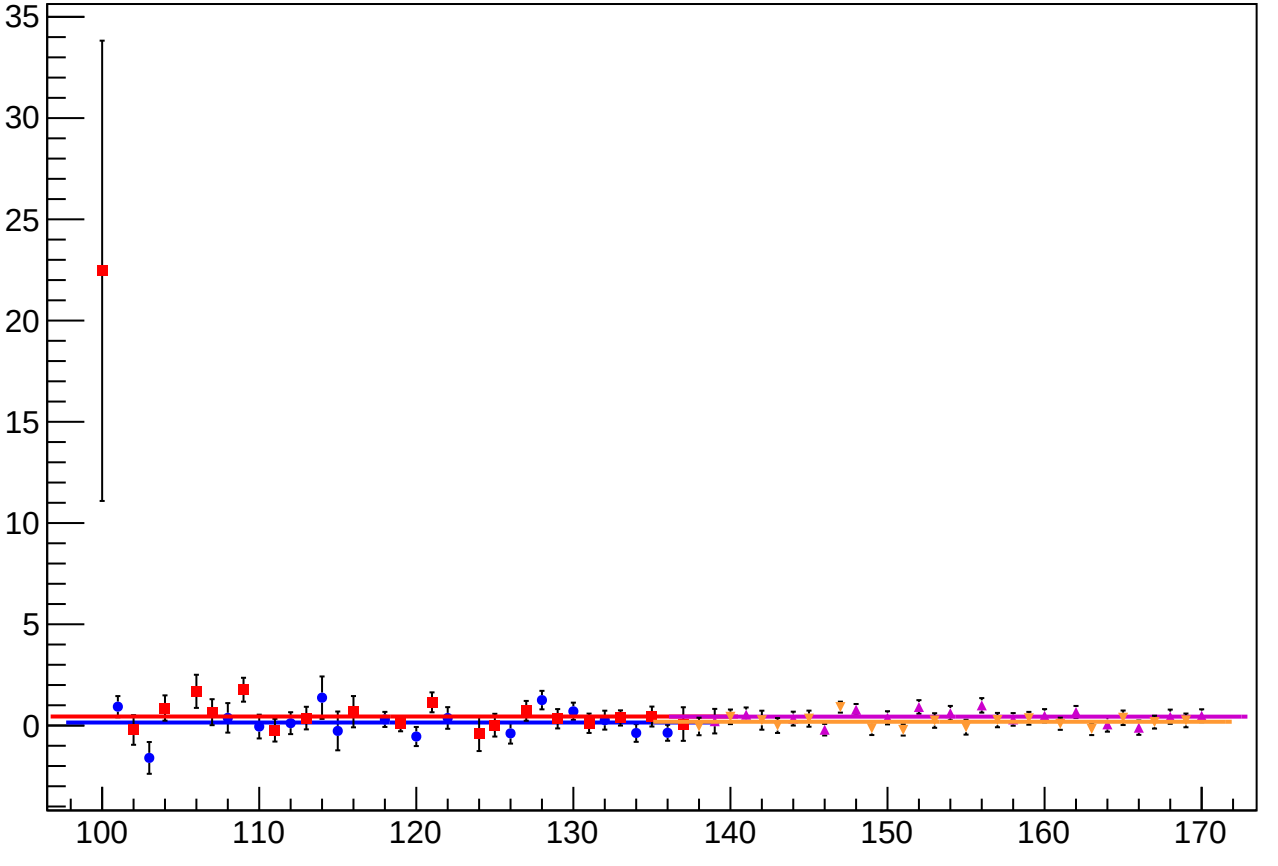
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.271+/-0.077 χ^2/NDF:59.2/31

Out: -0.214+/-0.077 χ^2/NDF:150.7/35

All: -0.242+/-0.055 χ^2/NDF: 210.2/67

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.185+/-0.082 χ^2/NDF:14.1/16

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.438+/-0.084 χ^2/NDF:15.9/15

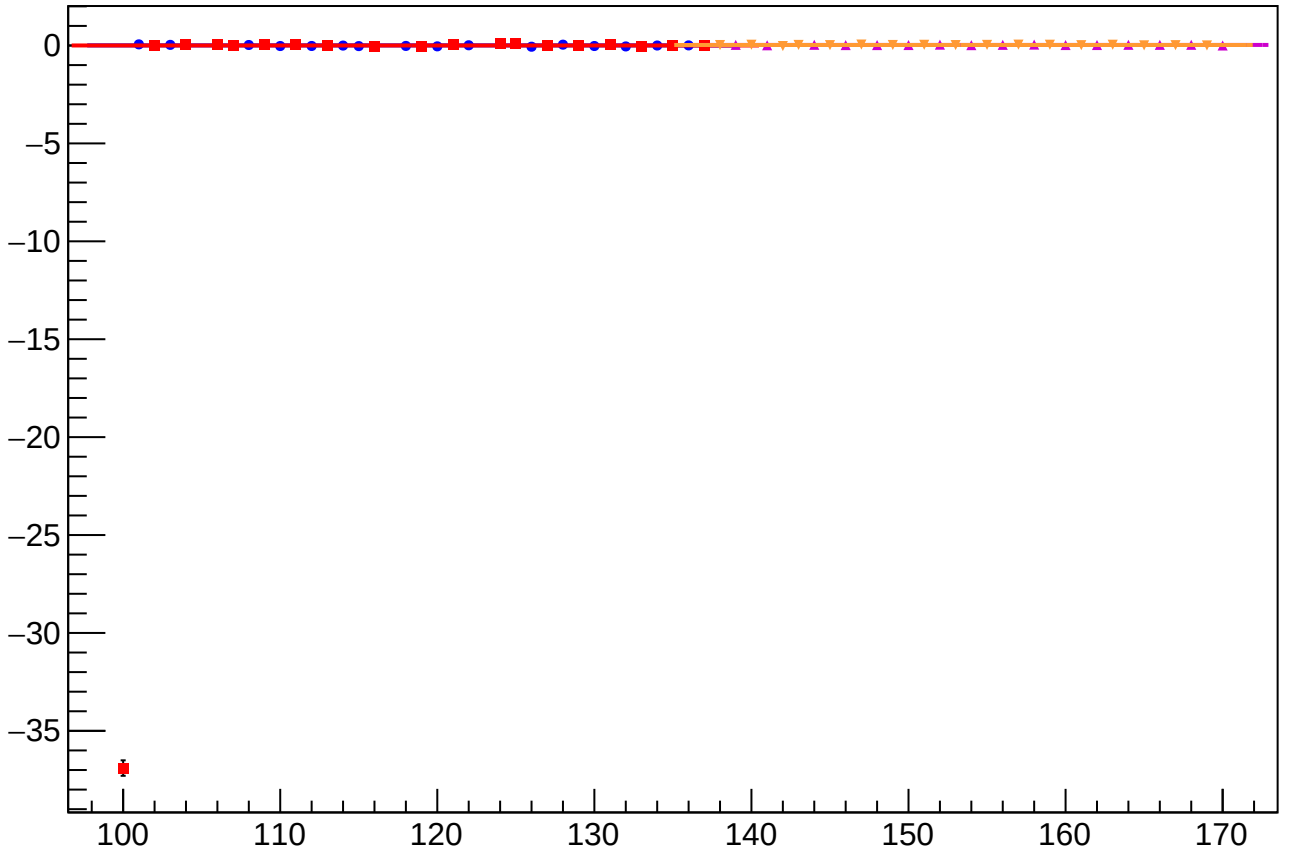
Left: 0.309+/-0.059 χ^2/NDF: 34.7/32

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.351+/-0.070 χ^2/NDF:42.7/31

Out: 0.261+/-0.069 χ^2/NDF:36.8/35

All: 0.305+/-0.049 χ^2/NDF: 80.3/67



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.004 χ^2/NDF:15.7/16

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.029+/-0.004 χ^2/NDF:10.0/15

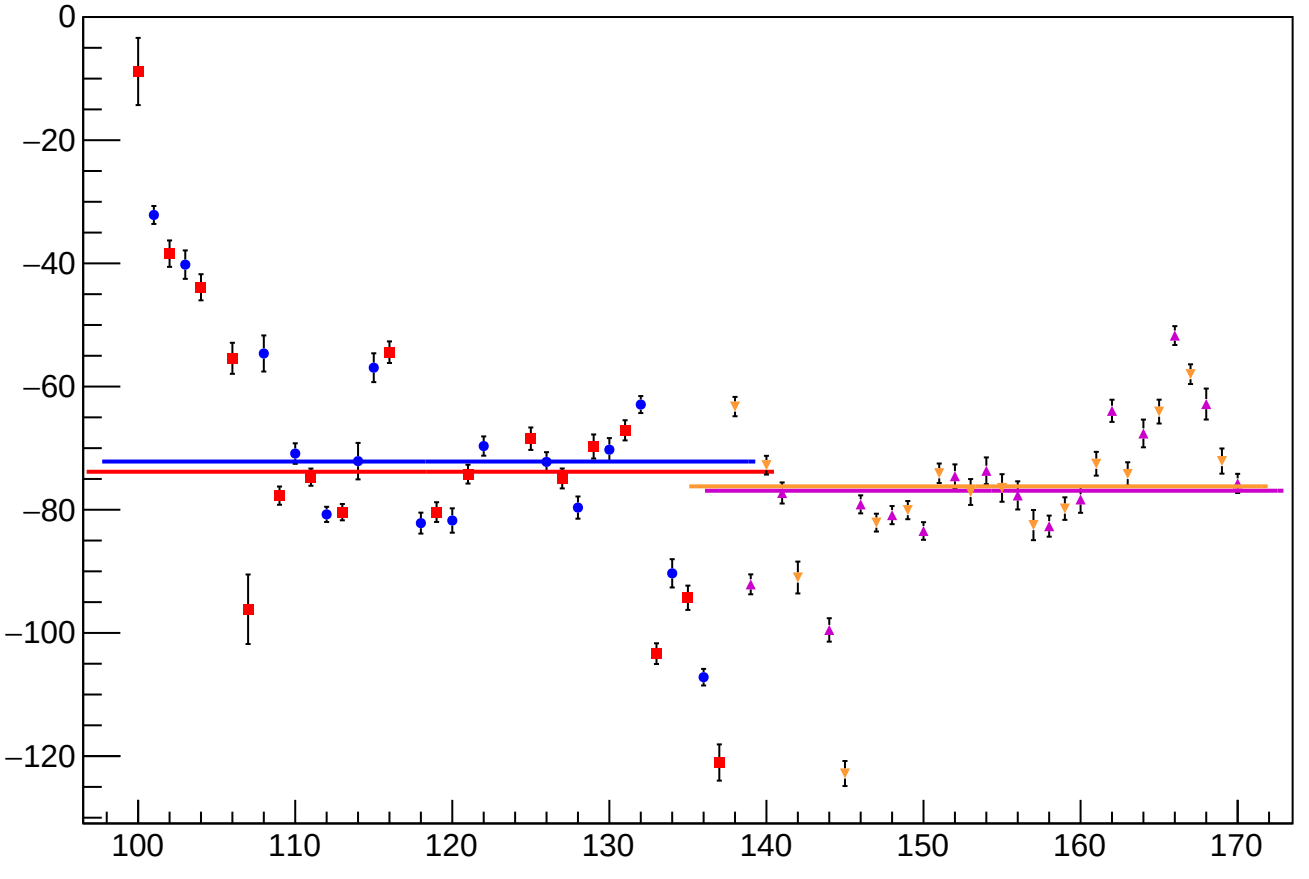
Left: 0.028+/-0.003 χ^2/NDF: 26.0/32

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.003 χ^2/NDF:35.3/31

Out: 0.021+/-0.003 χ^2/NDF:8777.2/35

All: 0.023+/-0.002 χ^2/NDF: 8813.0/67



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -76.204+/-0.452 χ^2/NDF:845.7/15

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -76.911+/-0.441 χ^2/NDF:647.4/15

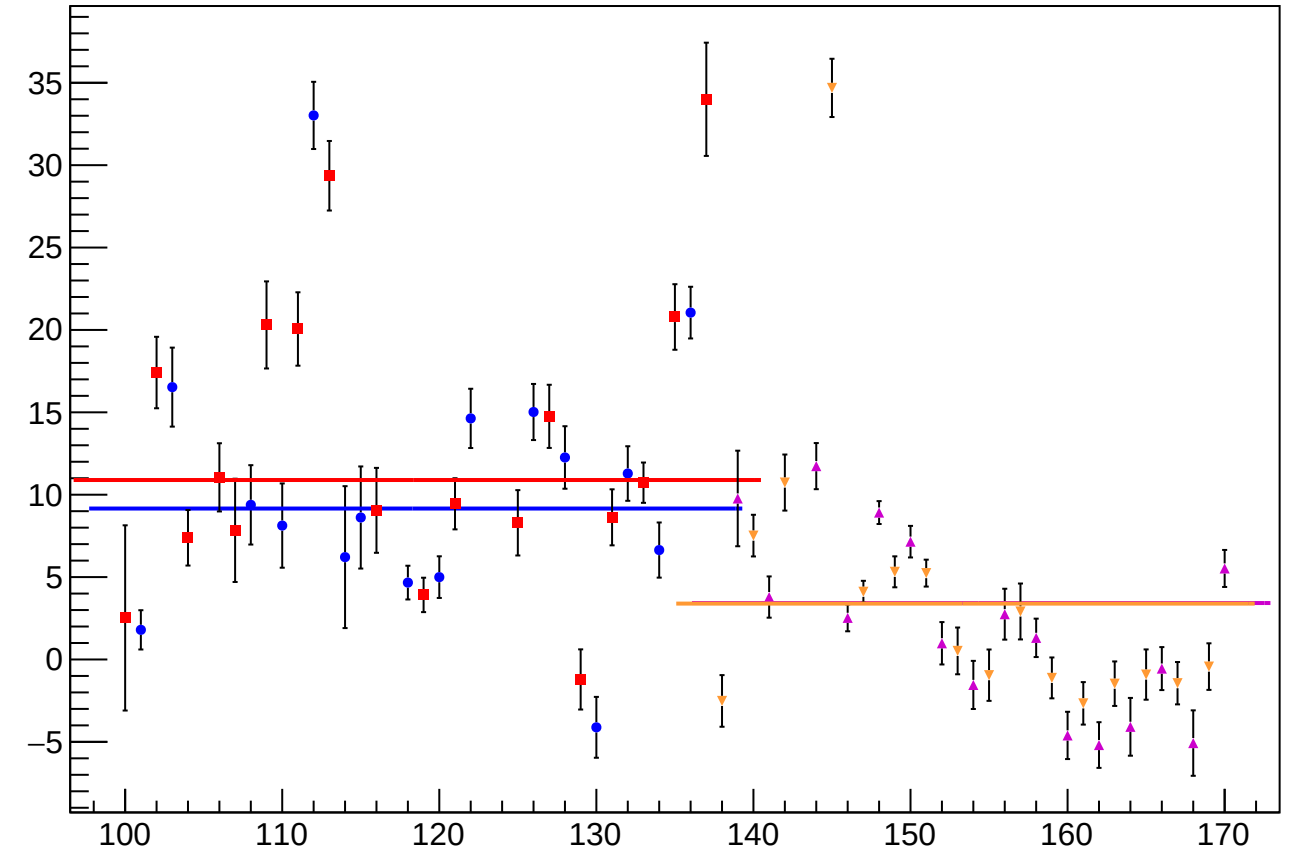
Left: -76.567+/-0.315 χ^2/NDF: 1494.3/31

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

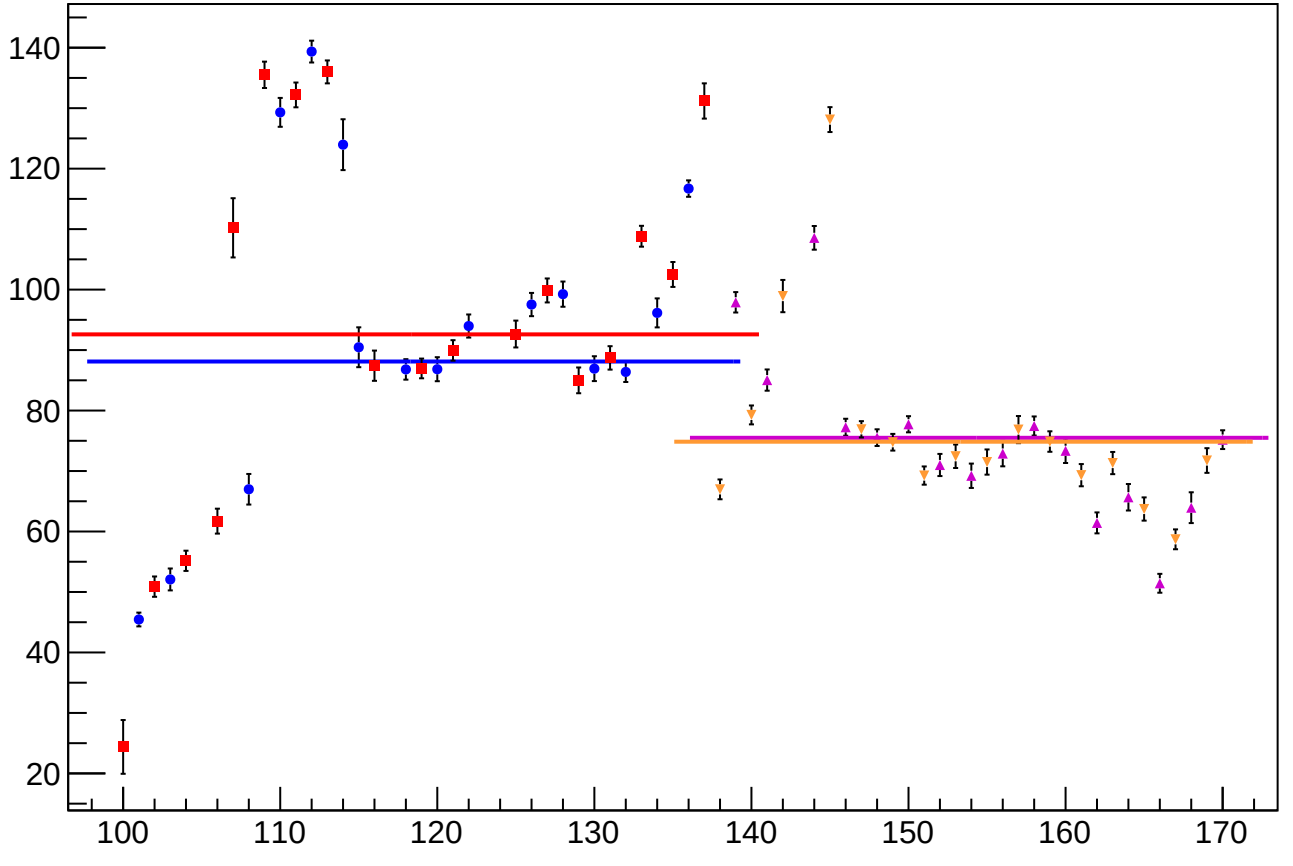
In: -74.495+/-0.308 χ^2/NDF:2642.3/31

Out: -74.960+/-0.312 χ^2/NDF:2417.8/33

All: -74.725+/-0.219 χ^2/NDF: 5061.2/65


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.391+/-0.299 χ²/NDF:457.1/15
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.426+/-0.300 χ²/NDF:257.0/15
Left: 3.408+/-0.212 χ²/NDF: 714.1/31
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.331+/-0.245 χ²/NDF:730.7/31
Out: 5.761+/-0.247 χ²/NDF:945.9/33
All: 5.544+/-0.174 χ²/NDF: 1678.2/65

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: 74.849+/-0.439 χ^2/NDF:948.6/15

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.494+/-0.428 χ^2/NDF:859.8/15

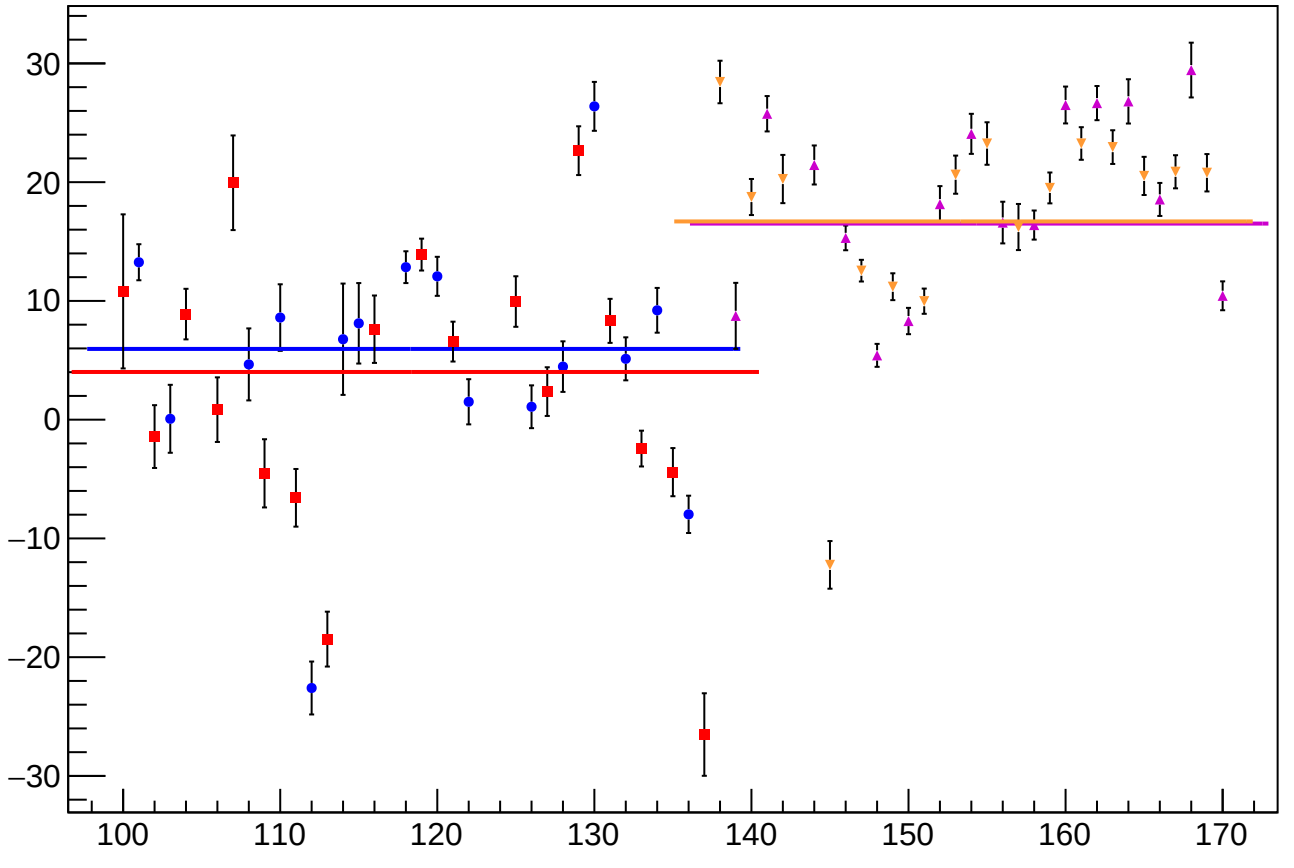
Left: 75.180+/-0.306 χ^2/NDF: 1809.4/31

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 81.225+/-0.316 χ^2/NDF:4817.0/31

Out: 82.873+/-0.325 χ^2/NDF:4898.8/33

All: 82.026+/-0.226 χ^2/NDF: 9729.1/65



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.693+/-0.354 χ^2/NDF:428.0/15

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.513+/-0.351 χ^2/NDF:444.8/15

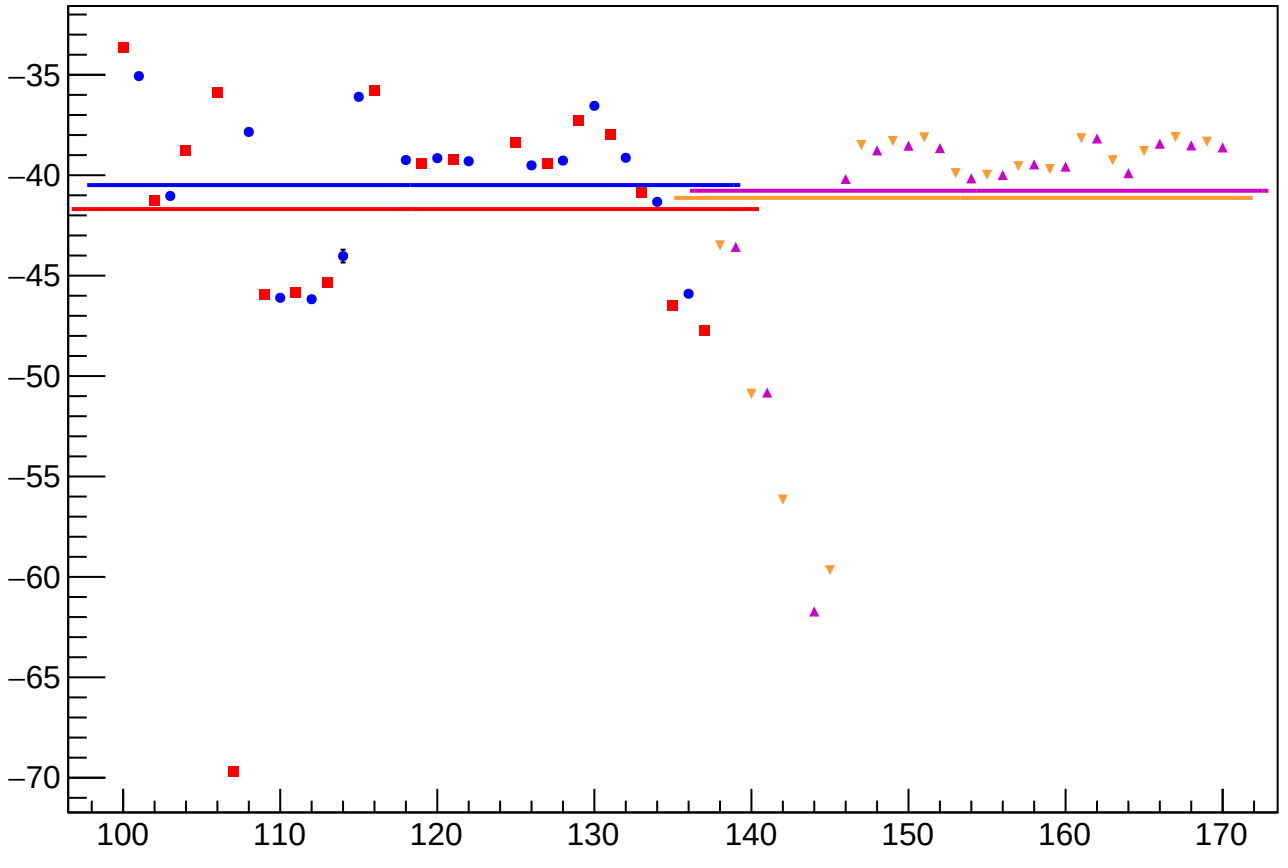
Left: 16.602+/-0.249 χ^2/NDF: 872.9/31

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.974+/-0.286 χ^2/NDF:1174.2/31

Out: 12.573+/-0.291 χ^2/NDF:1263.4/33

All: 12.777+/-0.204 χ^2/NDF: 2438.5/65



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.129+/-0.017 χ^2/NDF:108256.9/15

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.773+/-0.016 χ^2/NDF:89039.3/15

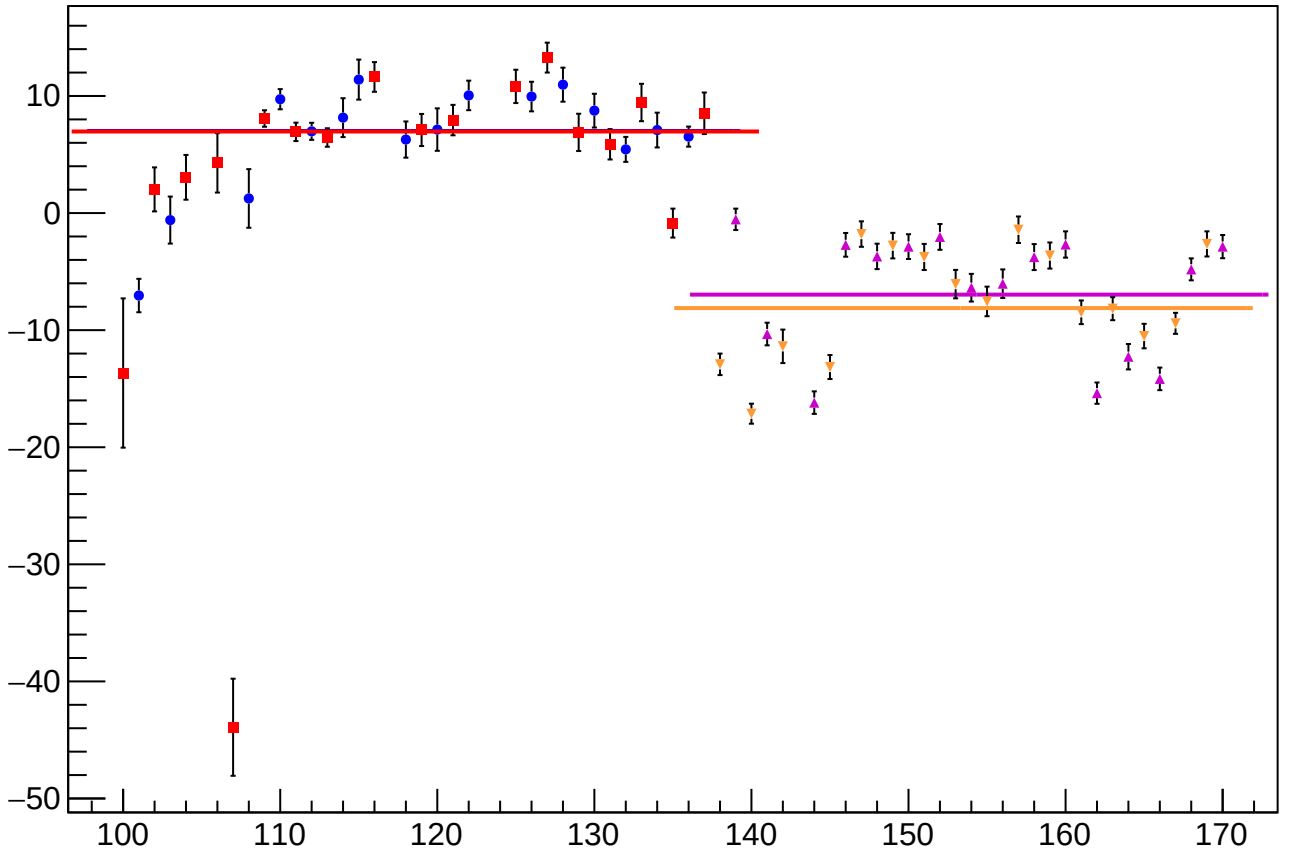
Left: -40.944+/-0.012 χ^2/NDF: 197530.7/31

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.704+/-0.014 χ^2/NDF:107239.6/31

Out: -41.266+/-0.015 χ^2/NDF:145368.2/33

All: -40.975+/-0.010 χ^2/NDF: 253384.1/65



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.115+/-0.263 χ^2/NDF:328.8/15

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.965+/-0.257 χ^2/NDF:426.8/15

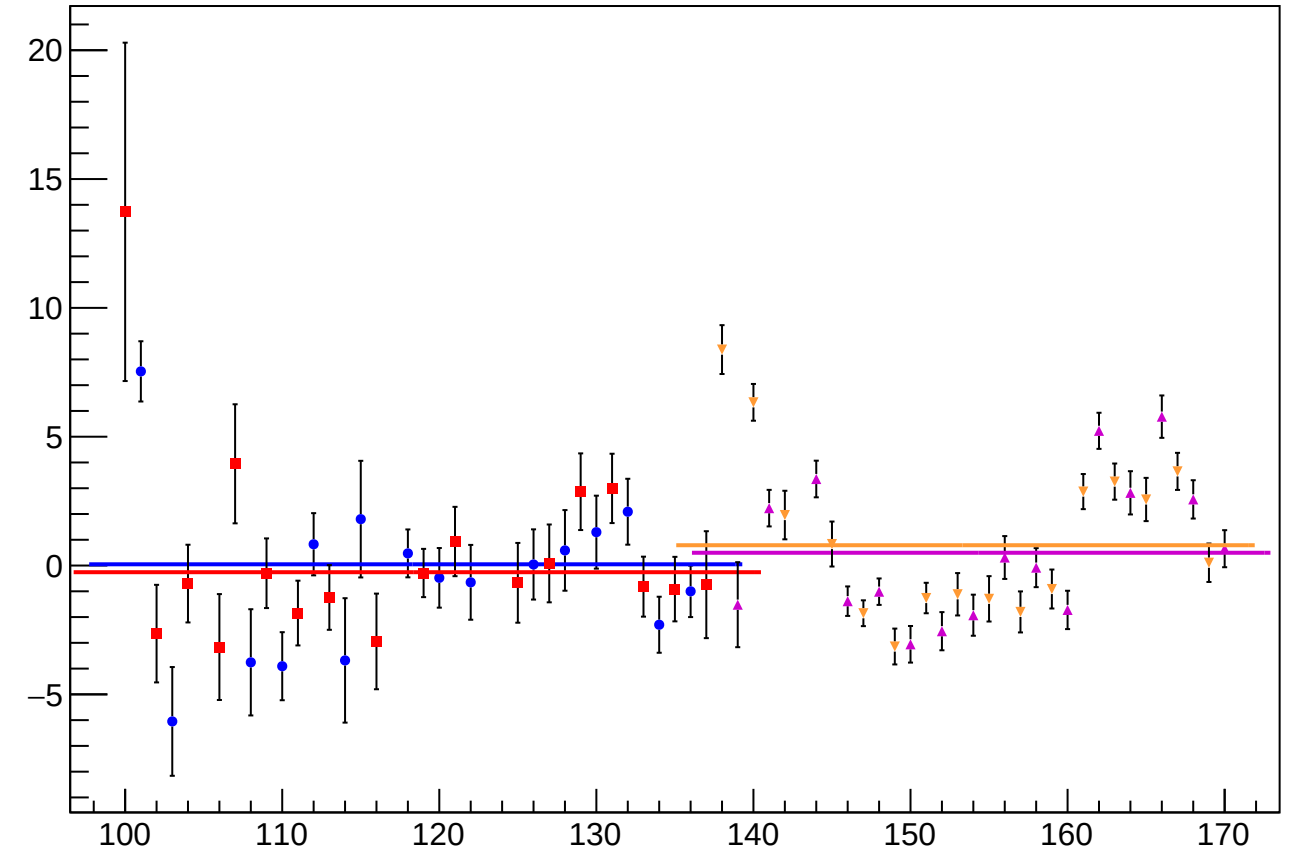
Left: -7.525+/-0.184 χ^2/NDF: 765.3/31

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -1.263+/-0.198 χ^2/NDF:1792.1/31

Out: -1.504+/-0.197 χ^2/NDF:2031.7/33

All: -1.383+/-0.140 χ^2/NDF: 3824.6/65



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.788+/-0.183 χ^2/NDF:267.2/15

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.496+/-0.182 χ^2/NDF:206.1/15

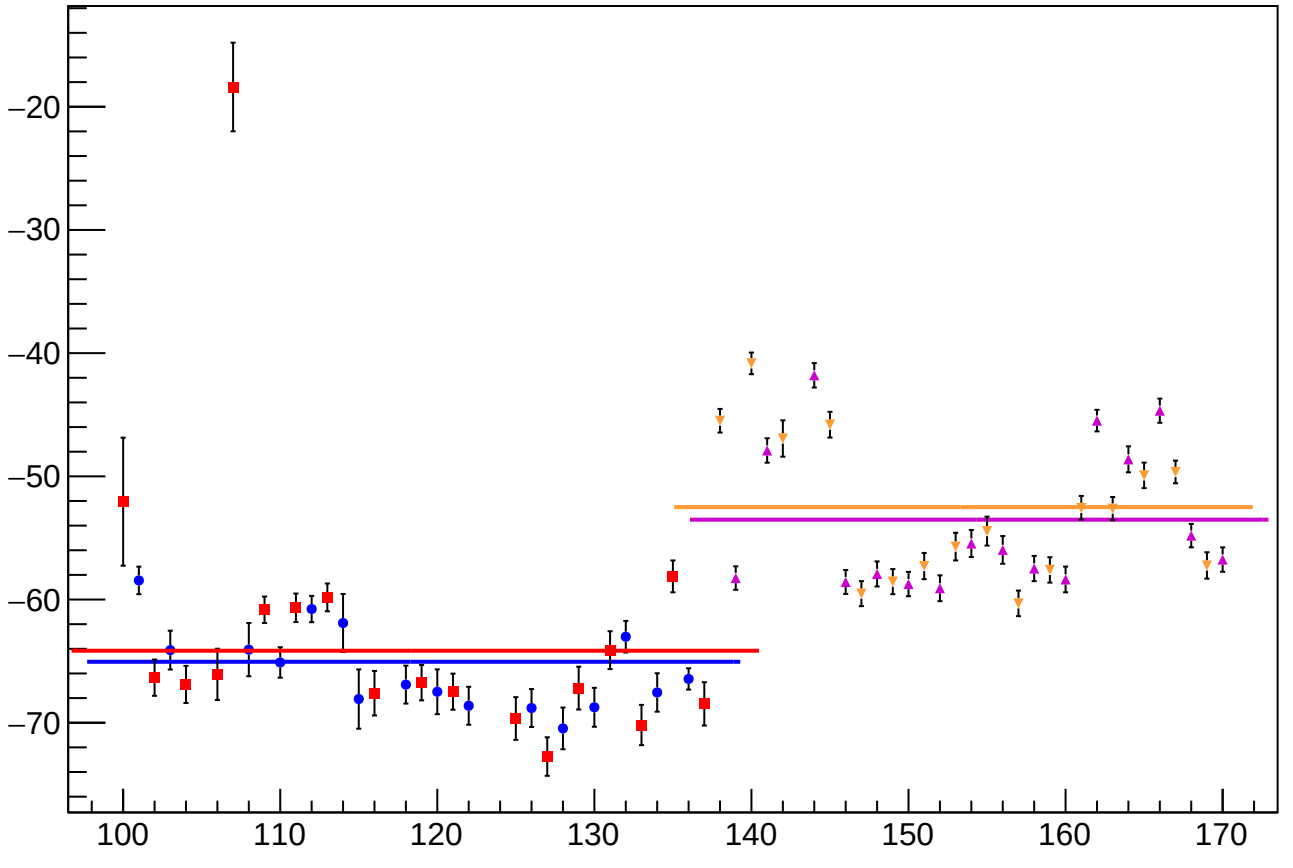
Left: 0.641+/-0.129 χ^2/NDF: 474.7/31

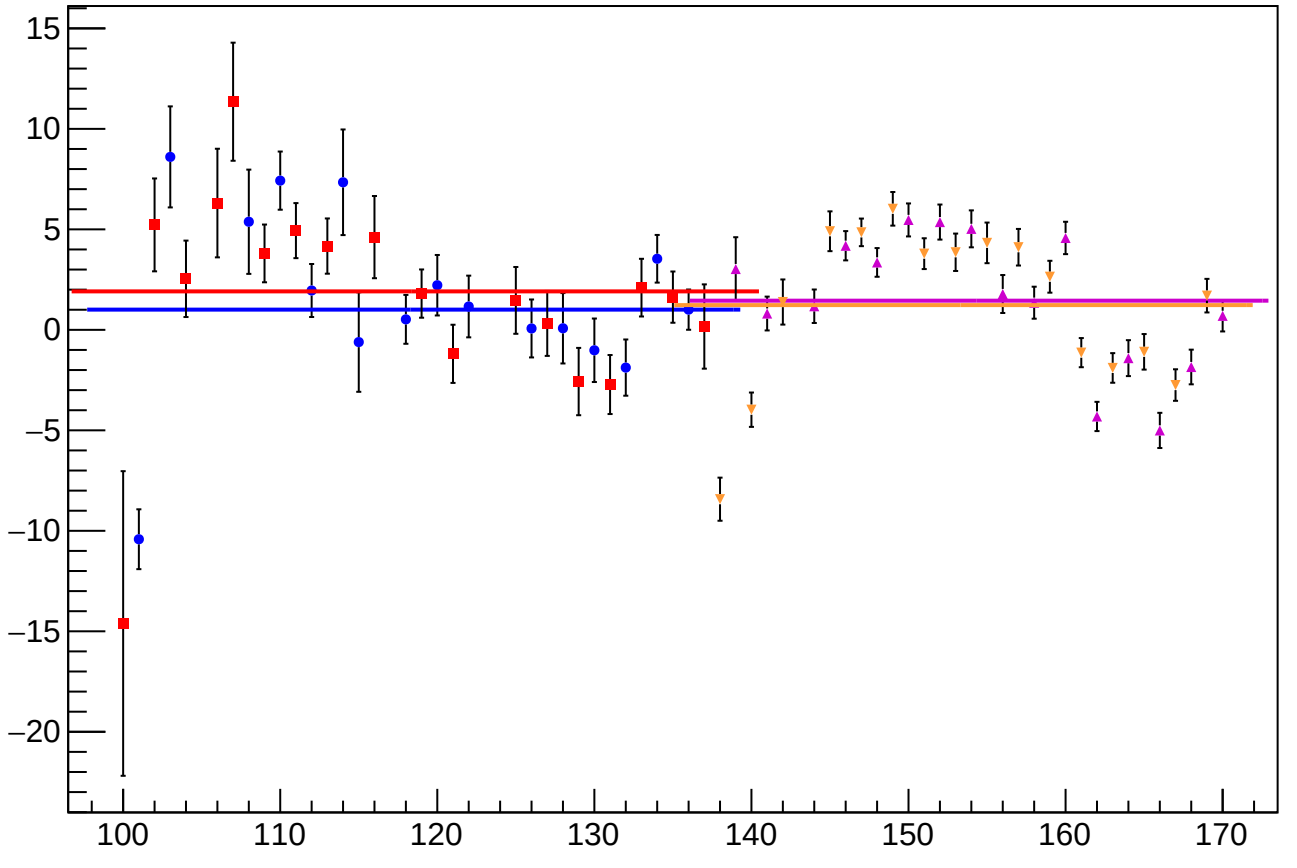
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

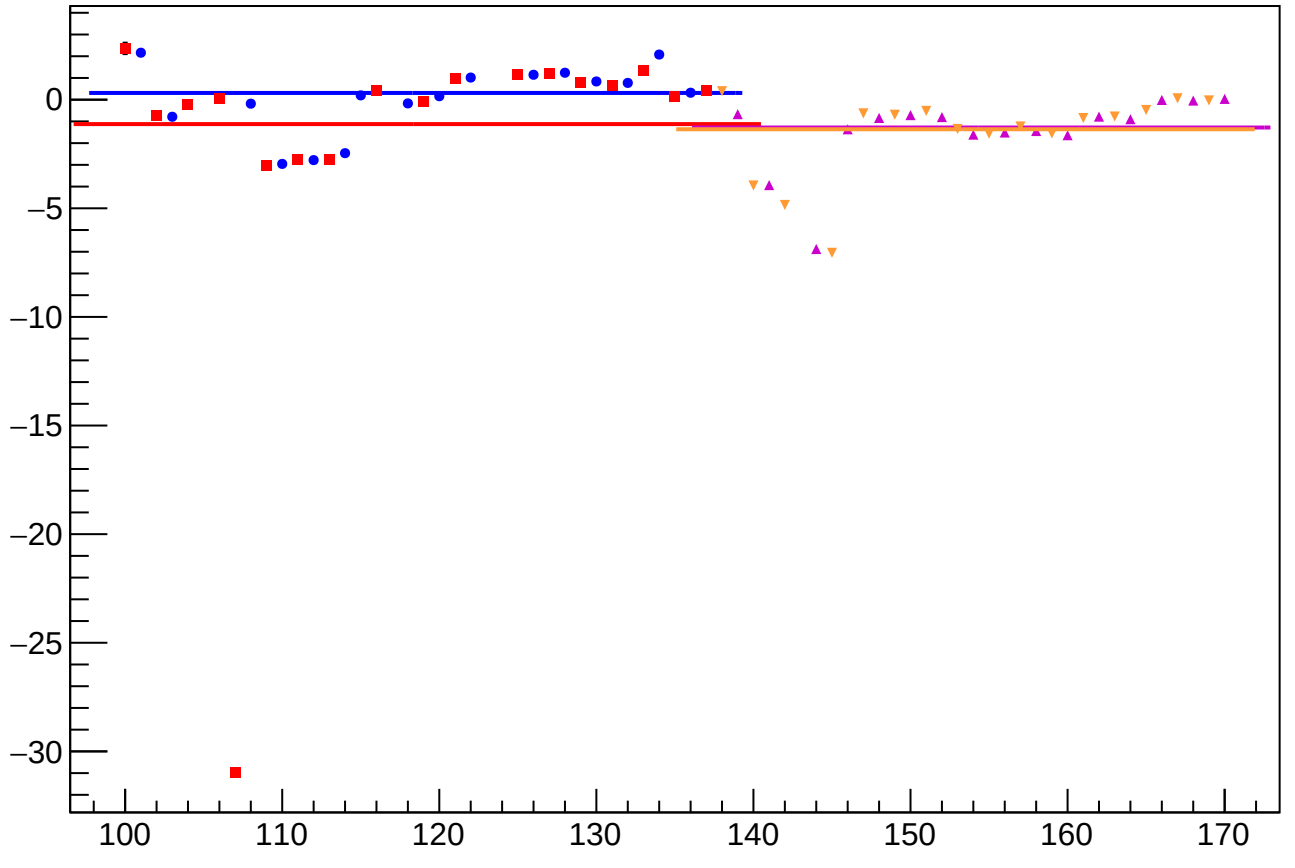
In: 0.392+/-0.159 χ^2/NDF:282.5/31

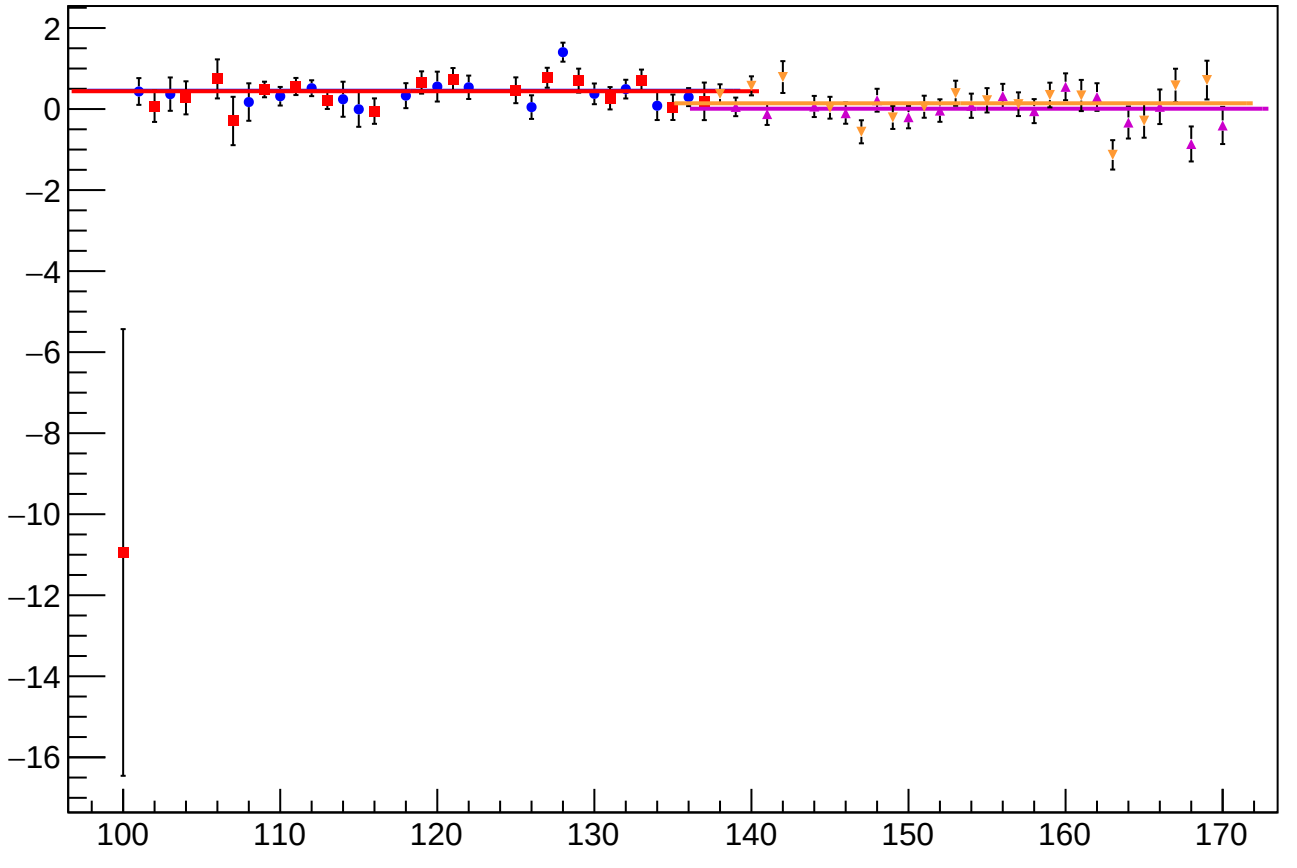
Out: 0.558+/-0.162 χ^2/NDF:302.0/33

All: 0.474+/-0.114 χ^2/NDF: 585.0/65


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -52.496+/-0.257 χ²/NDF:515.2/15
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.518+/-0.250 χ²/NDF:543.2/15
Left: -53.021+/-0.179 χ²/NDF: 1066.5/31
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.362+/-0.204 χ²/NDF:1343.6/31
Out: -56.429+/-0.209 χ²/NDF:1512.3/33
All: -56.907+/-0.146 χ²/NDF: 2866.1/65


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: 1.231+/-0.212 χ²/NDF:295.8/15
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.452+/-0.210 χ²/NDF:240.1/15
Left: 1.342+/-0.149 χ²/NDF: 536.5/31
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.346+/-0.183 χ²/NDF:350.4/31
Out: 1.387+/-0.186 χ²/NDF:352.7/33
All: 1.366+/-0.130 χ²/NDF: 703.1/65


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
170
Right In: 0.310+/-0.021 χ²/NDF: 4848.4/15
Left Out: -1.361+/-0.010 χ²/NDF:33972.8/15
Right Out: -1.124+/-0.022 χ²/NDF: 46347.9/17
Left In: -1.281+/-0.009 χ²/NDF:25569.8/15
Left: -1.320+/-0.007 χ²/NDF: 59577.6/31
Right: -0.369+/-0.015 χ²/NDF: 53391.3/33
In: -1.021+/-0.009 χ²/NDF:35193.2/31
Out: -1.323+/-0.009 χ²/NDF:80416.4/33
All: -1.167+/-0.006 χ²/NDF: 116216.6/65



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.142+/-0.077 χ^2/NDF:32.2/15

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.008+/-0.076 χ^2/NDF:11.8/15

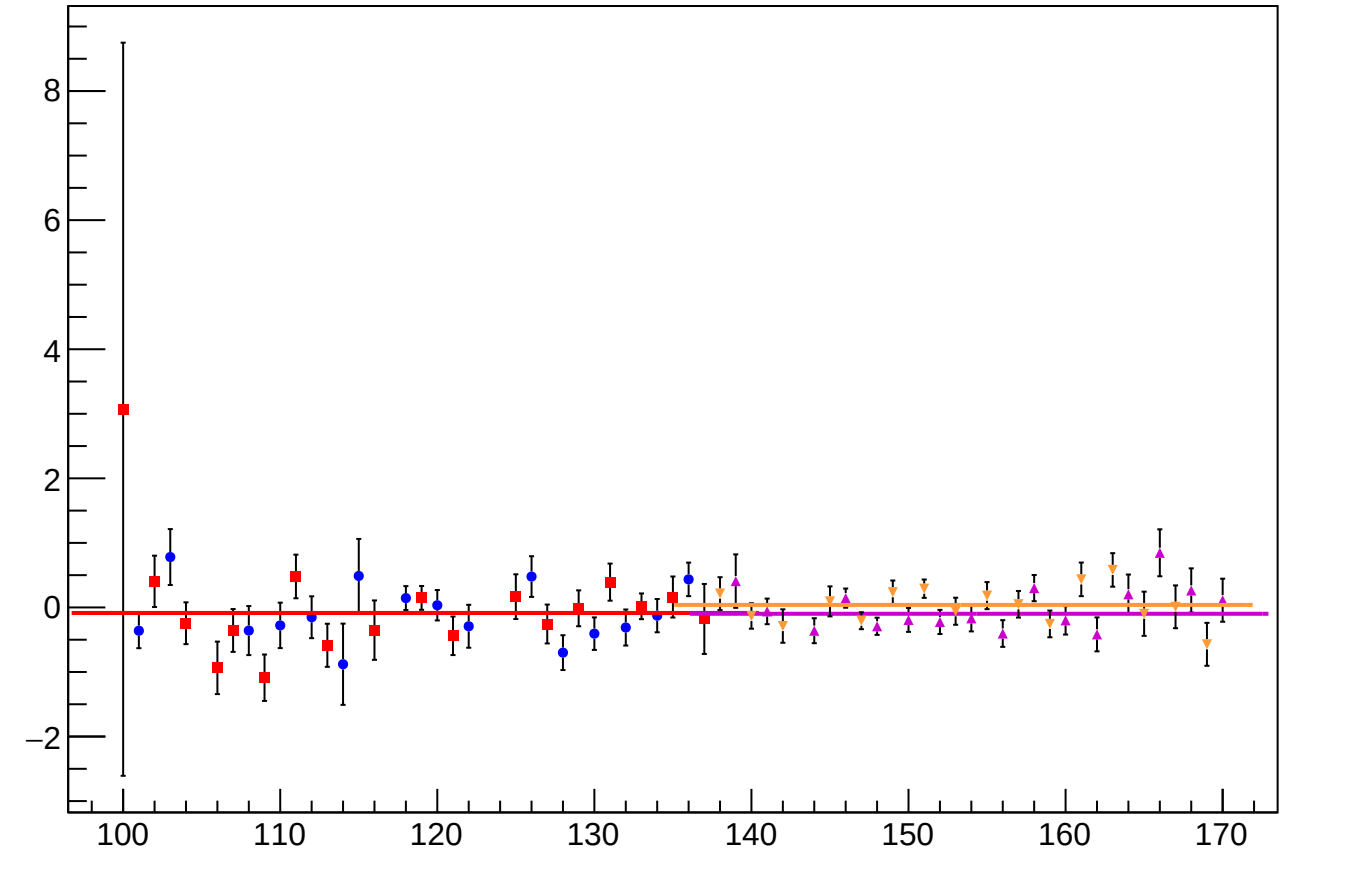
Left: 0.074+/-0.054 χ^2/NDF: 45.6/31

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.244+/-0.052 χ^2/NDF:52.7/31

Out: 0.306+/-0.052 χ^2/NDF:59.0/33

All: 0.275+/-0.037 χ^2/NDF: 112.4/65



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.039+/-0.053 χ^2/NDF:23.6/15

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.098+/-0.053 χ^2/NDF:25.9/15

Left: -0.029+/-0.037 χ^2/NDF: 52.9/31

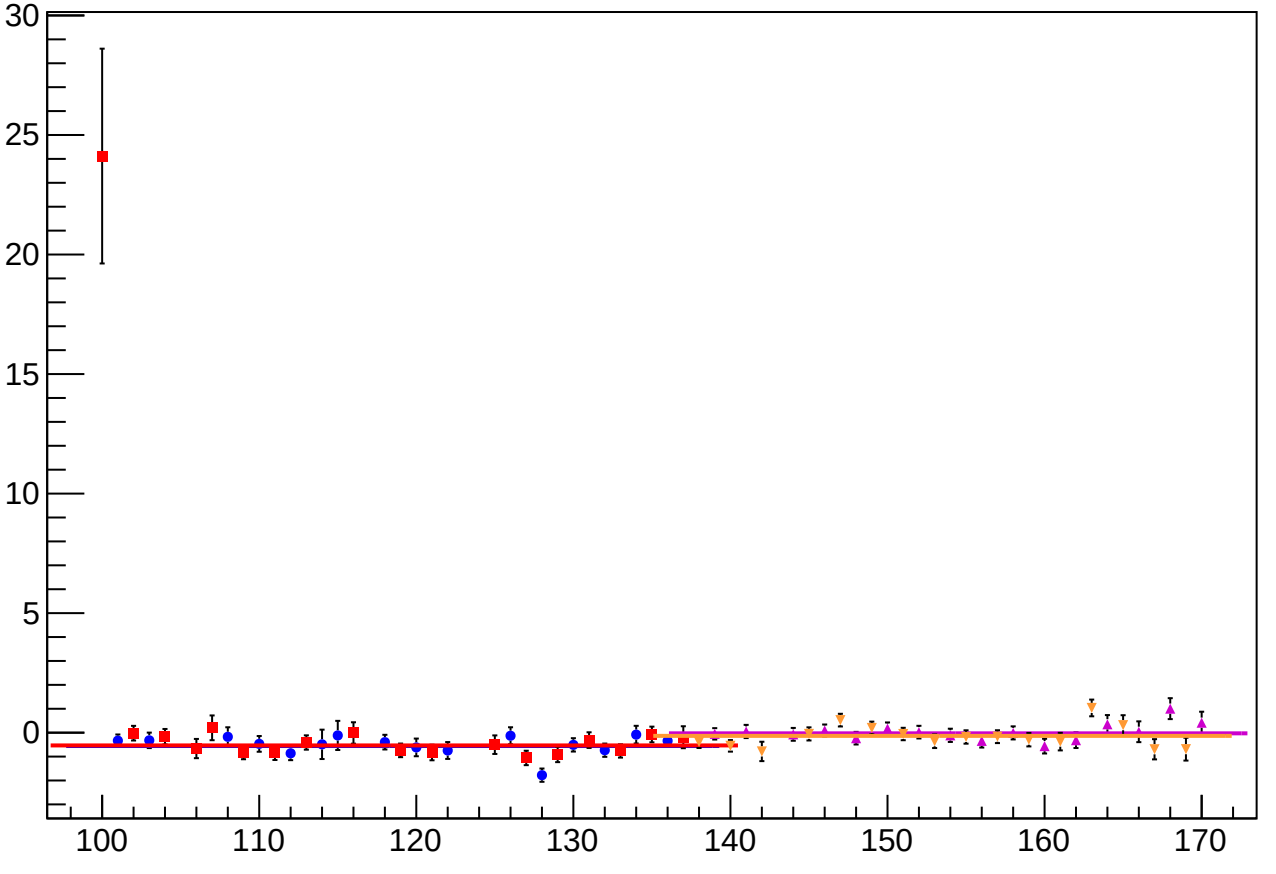
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.094+/-0.043 χ^2/NDF:51.3/31

Out: -0.003+/-0.043 χ^2/NDF:53.4/33

All: -0.049+/-0.030 χ^2/NDF: 107.0/65

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: -0.134+/-0.075 χ^2/NDF:31.3/15

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.028+/-0.073 χ^2/NDF:14.2/15

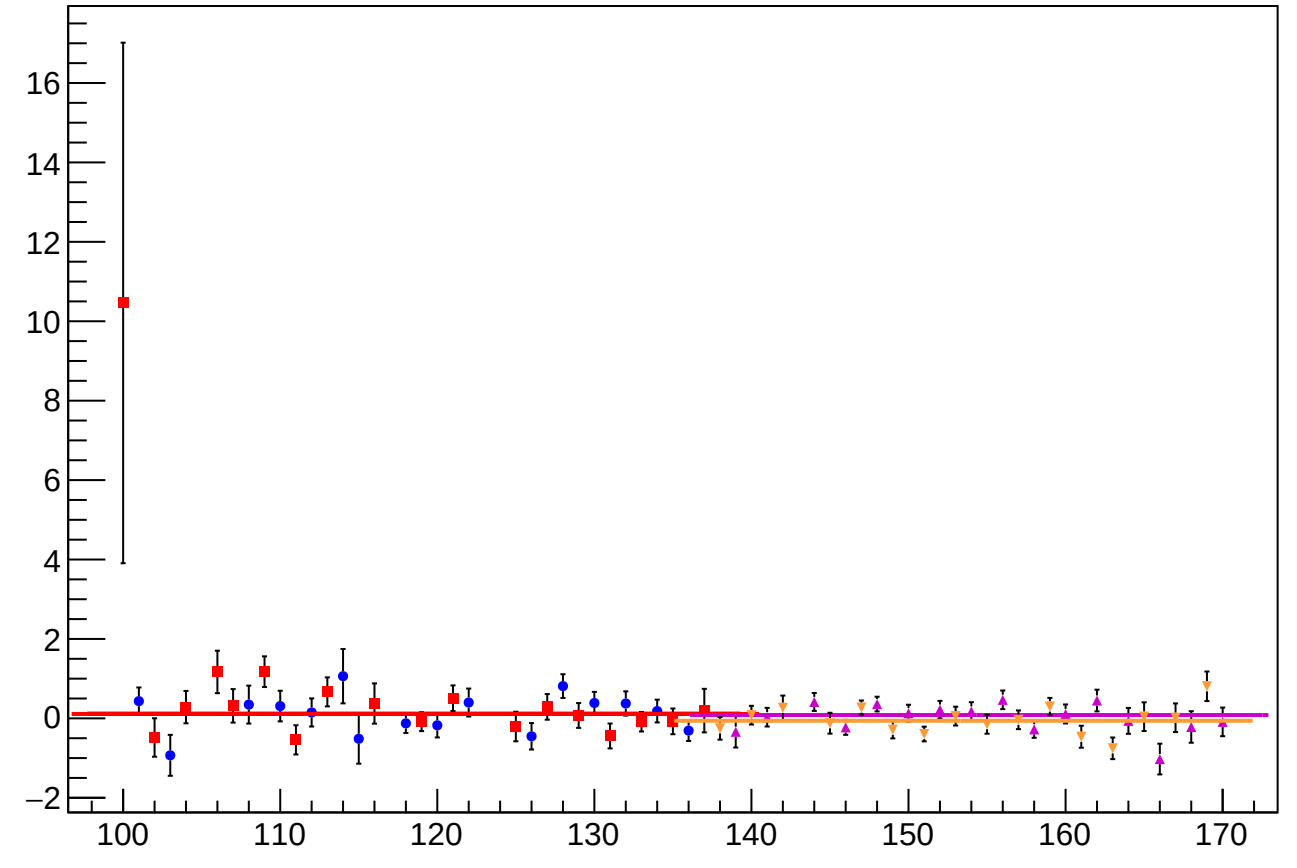
Left: -0.080+/-0.052 χ^2/NDF: 46.6/31

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.272+/-0.054 χ^2/NDF:66.5/31

Out: -0.319+/-0.055 χ^2/NDF:93.7/33

All: -0.295+/-0.038 χ^2/NDF: 160.6/65



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.060+/-0.062 χ^2/NDF:27.0/15

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.084+/-0.062 χ^2/NDF:25.3/15

Left: 0.012+/-0.044 χ^2/NDF: 55.0/31

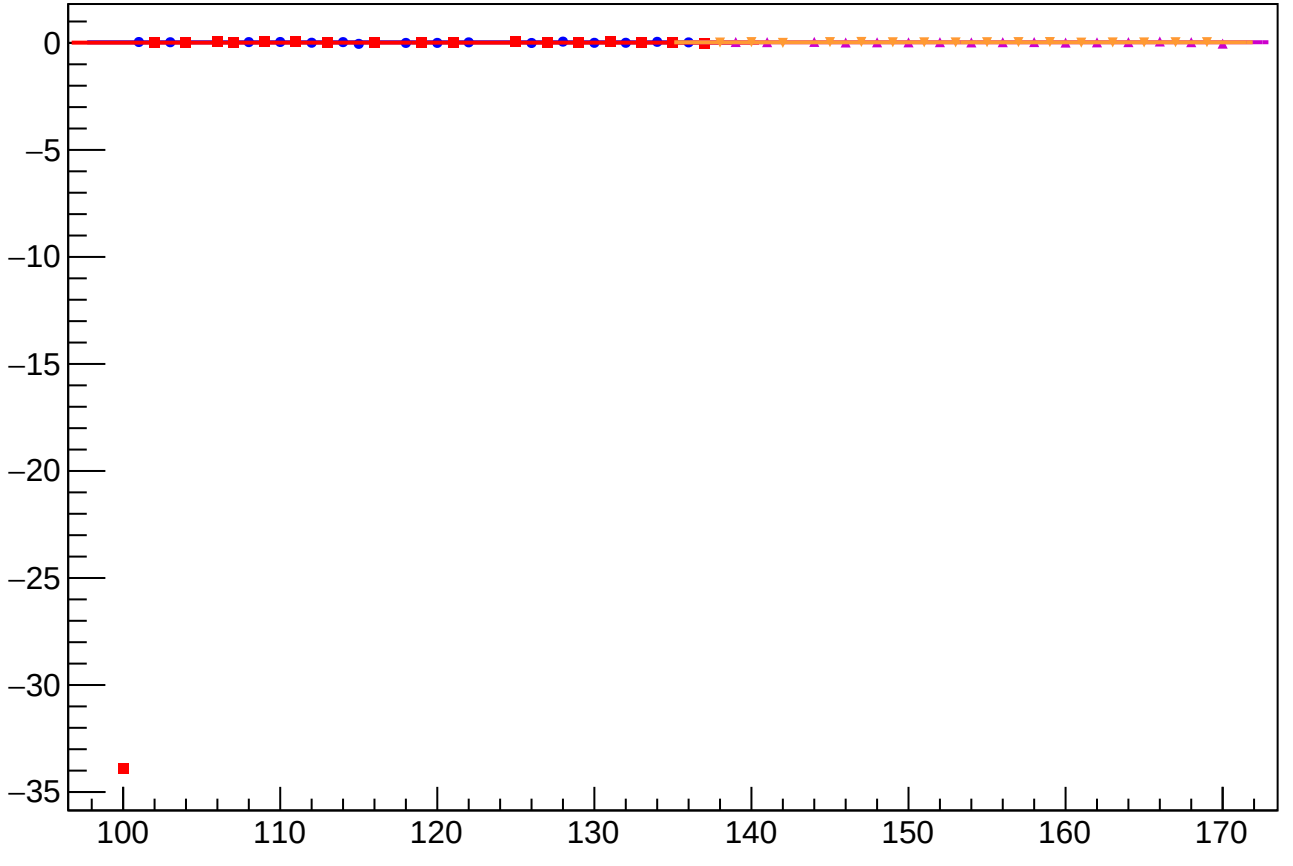
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.096+/-0.050 χ^2/NDF:49.1/31

Out: -0.000+/-0.050 χ^2/NDF:58.6/33

All: 0.048+/-0.035 χ^2/NDF: 109.6/65

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.7/15

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.031+/-0.003 χ^2/NDF:29.7/15

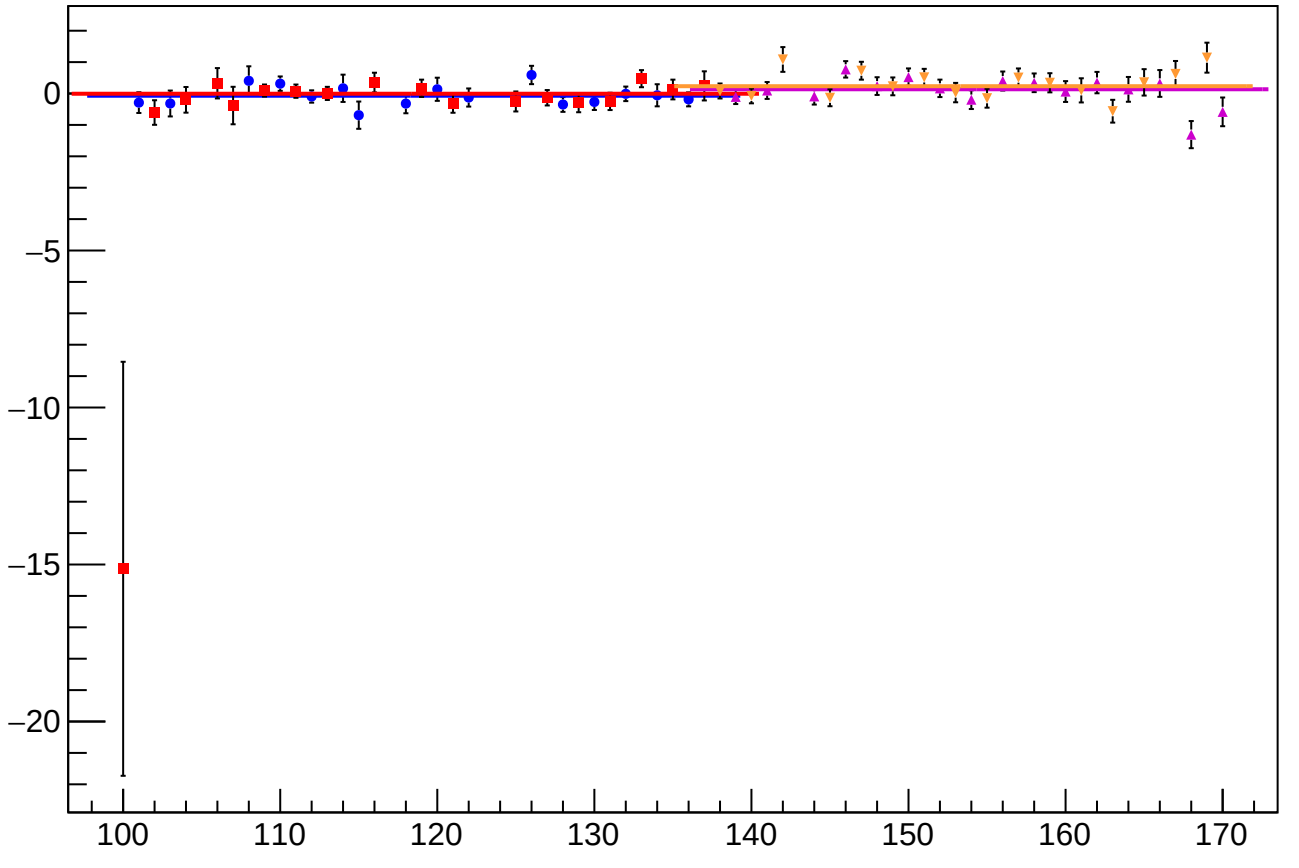
Left: 0.030+/-0.002 χ^2/NDF: 41.9/31

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.030+/-0.002 χ^2/NDF:44.8/31

Out: 0.024+/-0.002 χ^2/NDF:22282.2/33

All: 0.027+/-0.002 χ^2/NDF: 22330.1/65



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.233+/-0.077 χ^2/NDF:25.4/15

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.136+/-0.076 χ^2/NDF:26.6/15

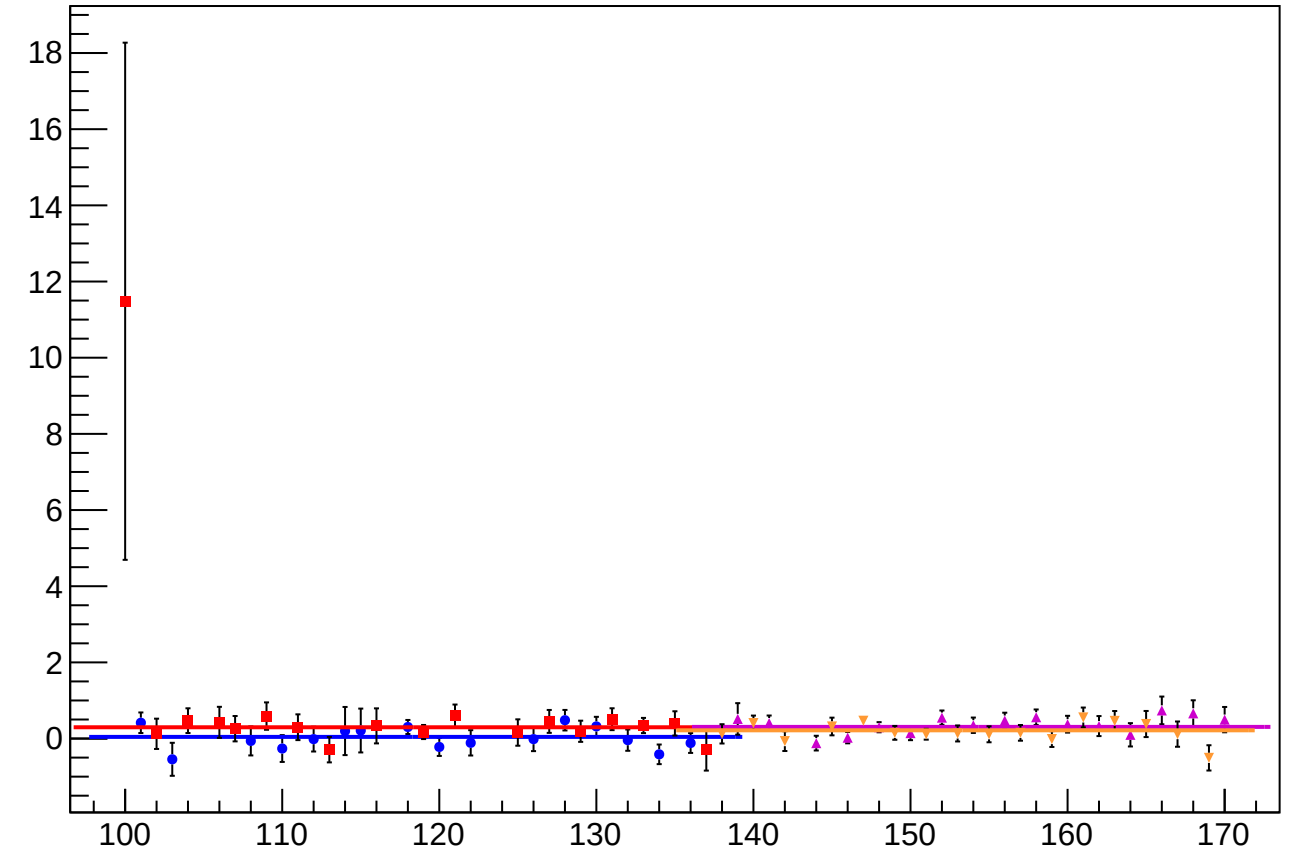
Left: 0.183+/-0.054 χ^2/NDF: 52.8/31

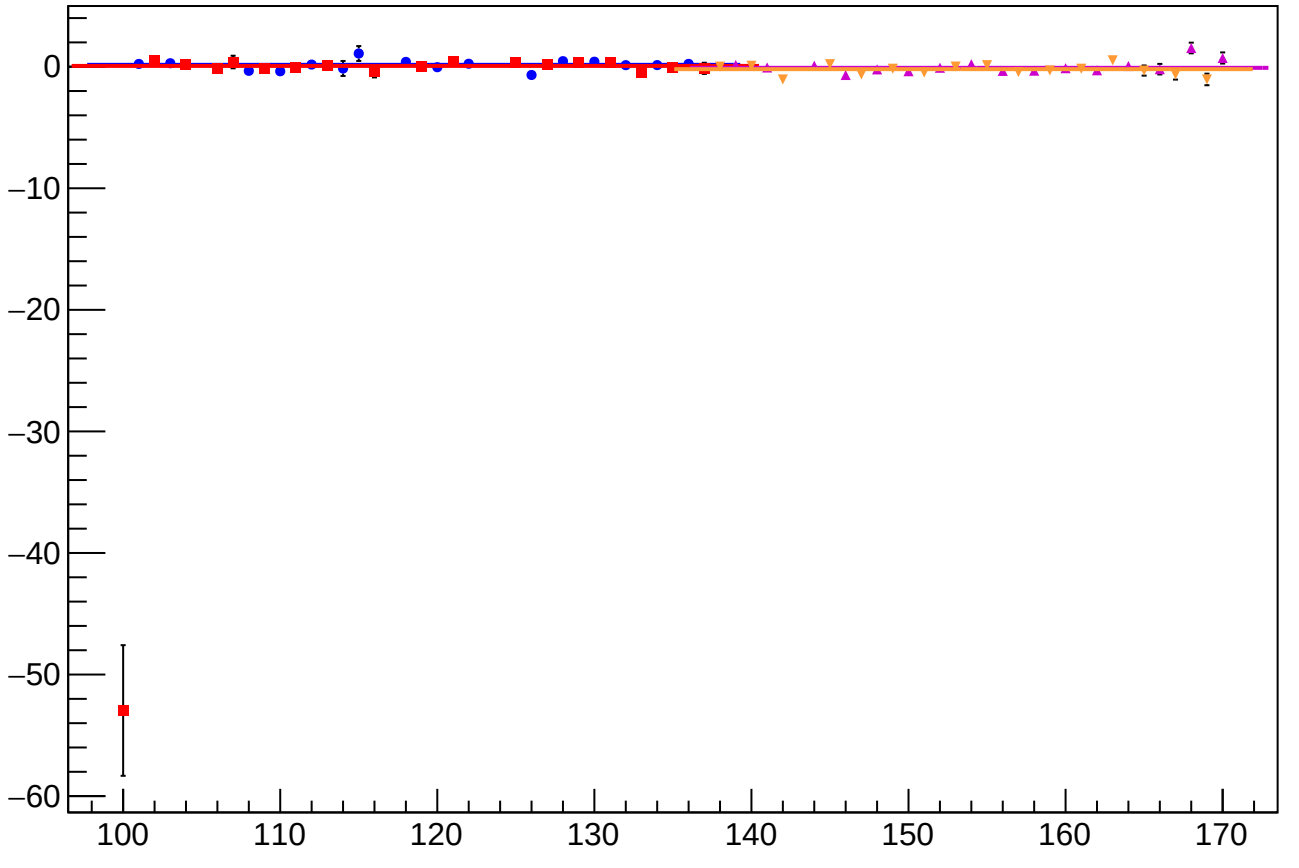
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.026+/-0.052 χ^2/NDF:46.0/31

Out: 0.101+/-0.052 χ^2/NDF:48.8/33

All: 0.064+/-0.037 χ^2/NDF: 95.9/65


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
Right In: 0.044+/-0.073 χ²/NDF: 15.7/15
Left Out: 0.216+/-0.053 χ²/NDF:16.2/15
Right Out: 0.296+/-0.074 χ²/NDF: 11.0/17
Left In: 0.306+/-0.053 χ²/NDF:17.1/15
Left: 0.261+/-0.037 χ²/NDF: 34.7/31
Right: 0.169+/-0.052 χ²/NDF: 32.6/33
In: 0.216+/-0.043 χ²/NDF:41.3/31
Out: 0.243+/-0.043 χ²/NDF:27.9/33
All: 0.230+/-0.030 χ²/NDF: 69.5/65



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.201+/-0.075 χ^2/NDF:23.9/15

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.092+/-0.073 χ^2/NDF:28.6/15

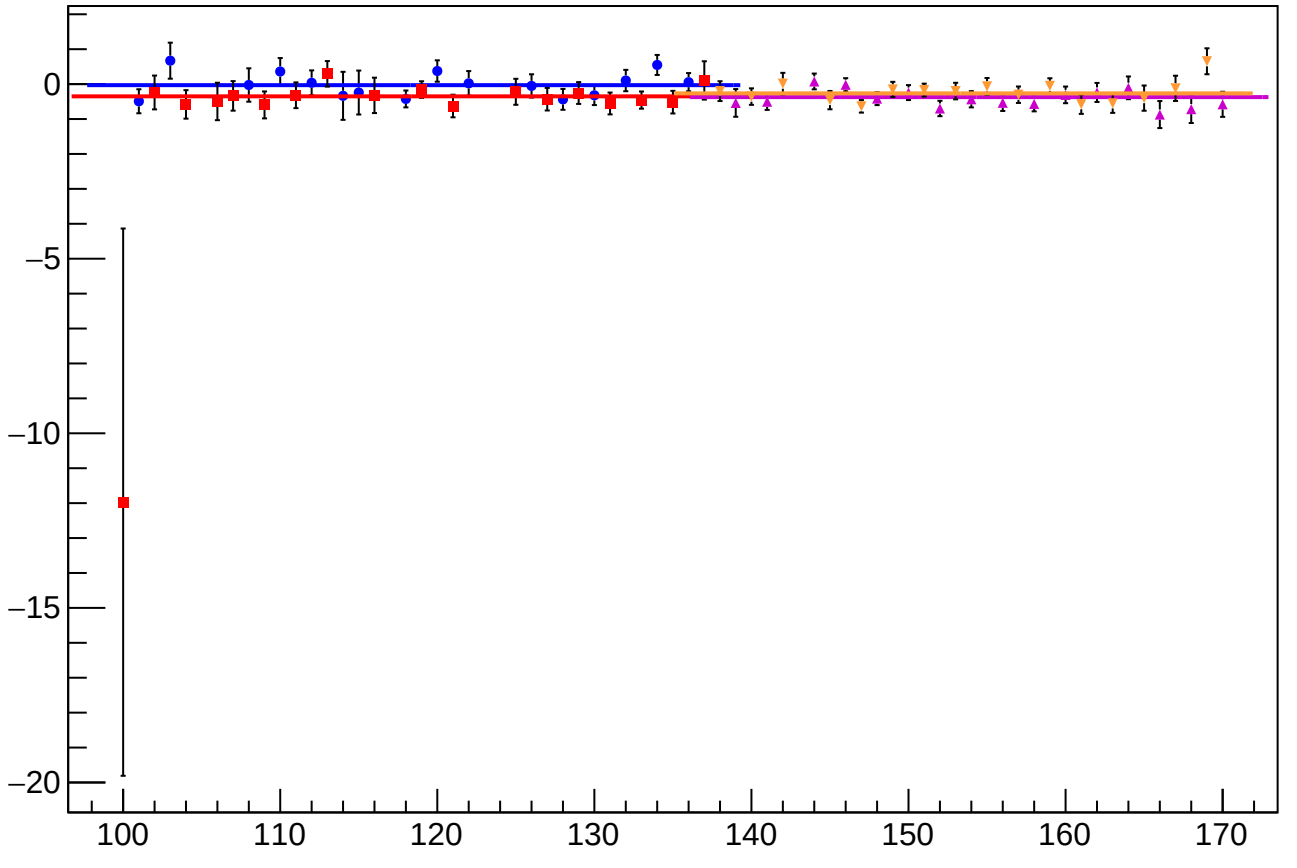
Left: -0.146+/-0.052 χ^2/NDF: 53.6/31

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.021+/-0.054 χ^2/NDF:49.4/31

Out: -0.078+/-0.055 χ^2/NDF:139.1/33

All: -0.028+/-0.038 χ^2/NDF: 190.1/65



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.265+/-0.062 χ^2/NDF:16.9/15

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.372+/-0.062 χ^2/NDF:15.6/15

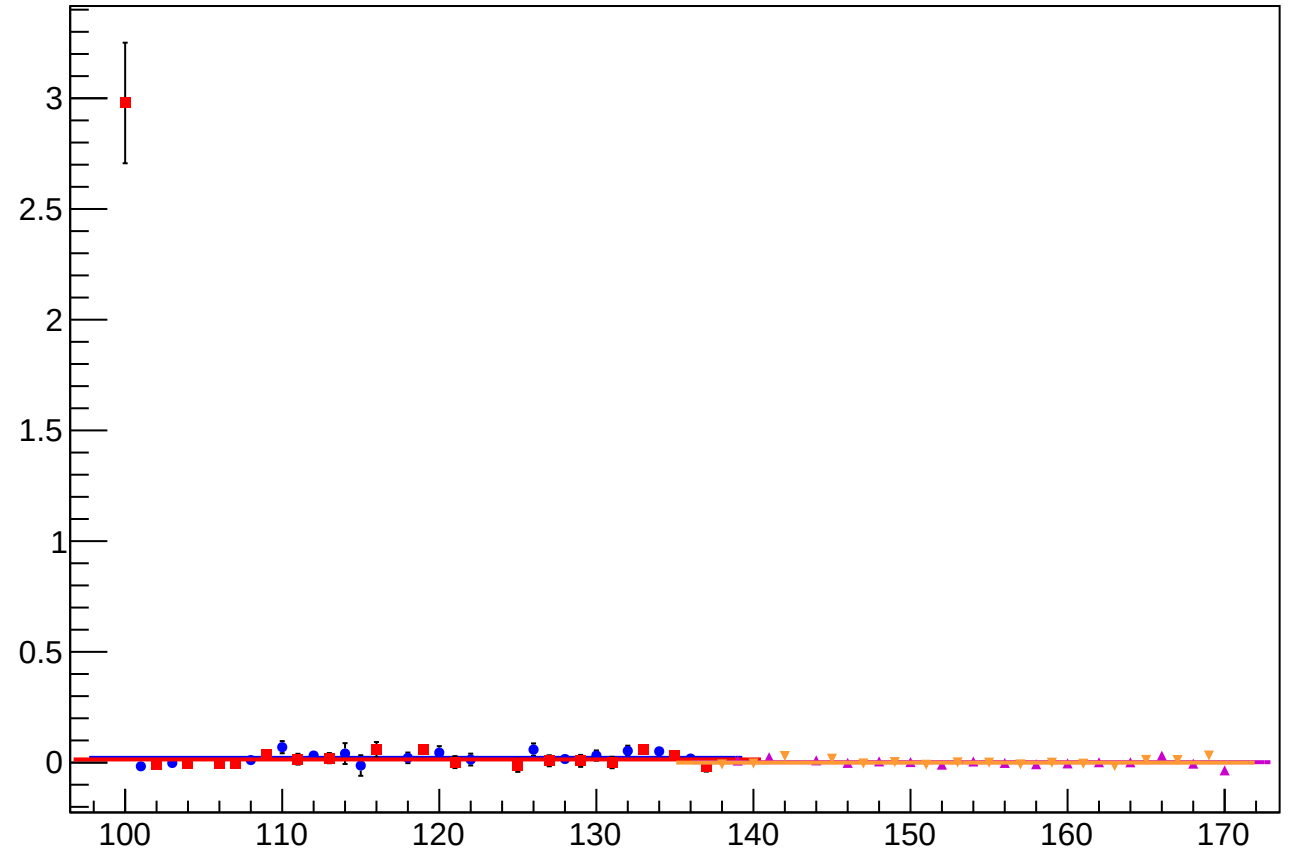
Left: -0.319+/-0.044 χ^2/NDF: 34.1/31

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.252+/-0.050 χ^2/NDF:43.2/31

Out: -0.295+/-0.050 χ^2/NDF:27.0/33

All: -0.273+/-0.035 χ^2/NDF: 70.6/65



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.000+/-0.003 χ^2/NDF:15.1/15

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:16.7/15

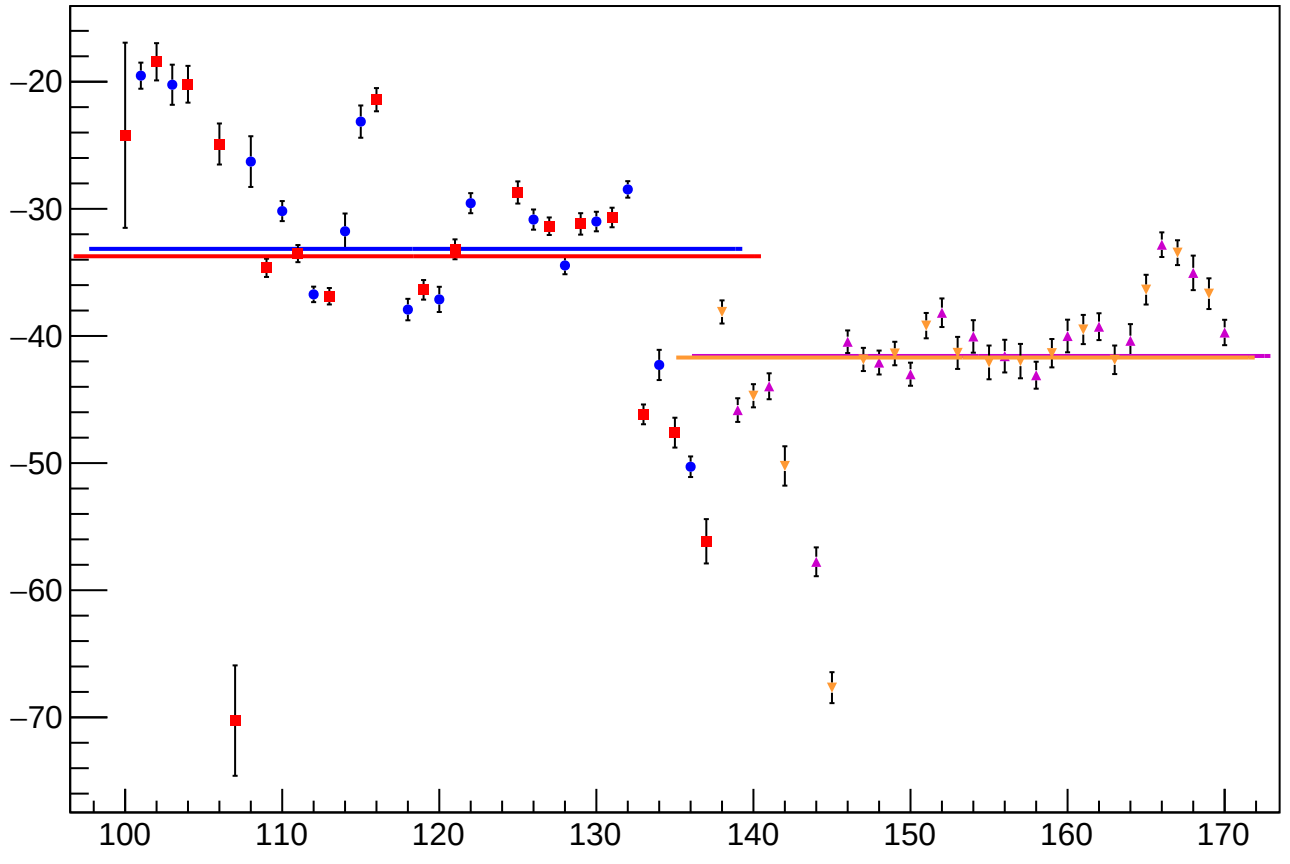
Left: 0.001+/-0.002 χ^2/NDF: 32.0/31

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:51.6/31

Out: 0.003+/-0.002 χ^2/NDF:162.3/33

All: 0.005+/-0.002 χ^2/NDF: 214.7/65



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.697+/-0.273 χ^2/NDF:631.6/15

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -41.573+/-0.266 χ^2/NDF:362.5/15

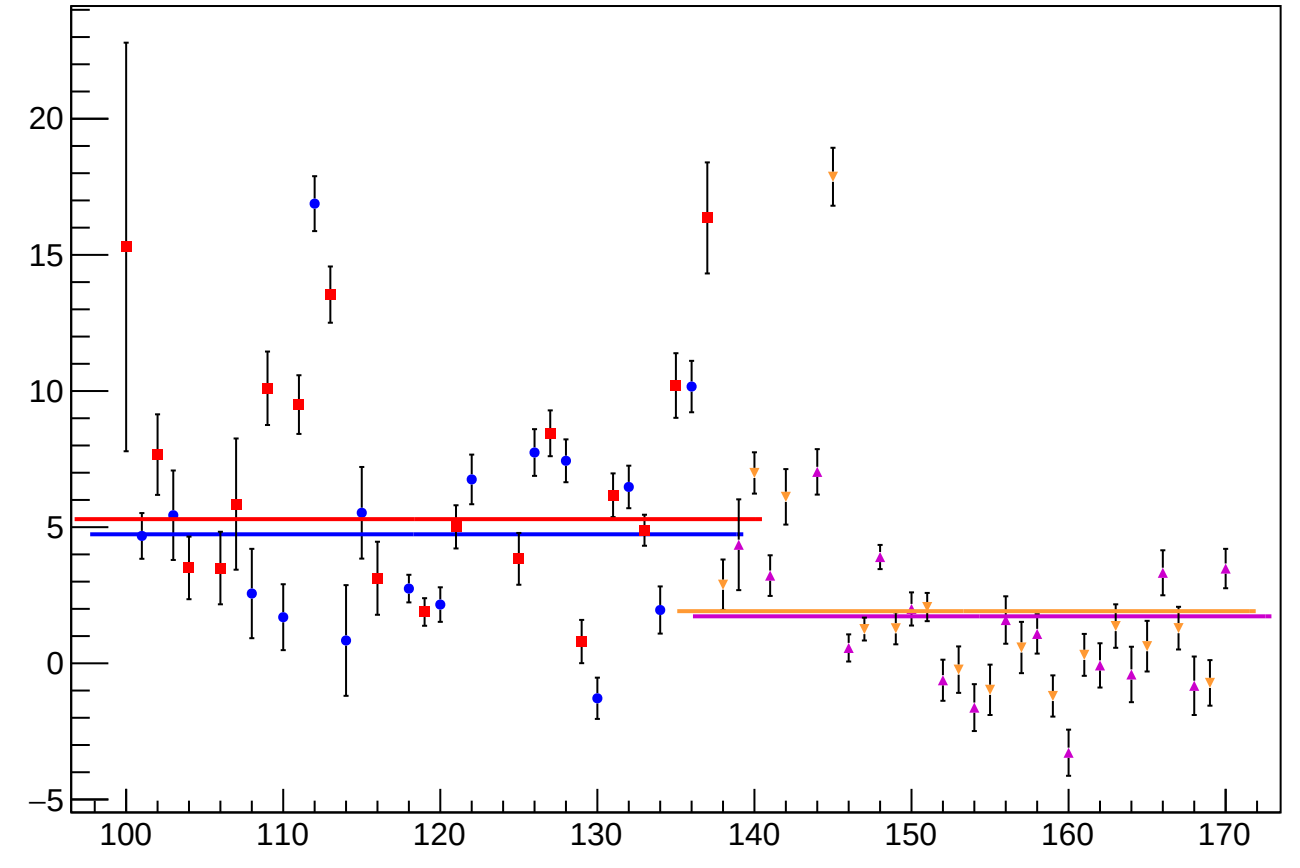
Left: -41.634+/-0.191 χ^2/NDF: 994.2/31

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.527+/-0.169 χ^2/NDF:1975.6/31

Out: -36.781+/-0.169 χ^2/NDF:2306.5/33

All: -36.654+/-0.119 χ^2/NDF: 4283.3/65



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 1.915+/-0.183 χ^2/NDF:343.7/15

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.726+/-0.183 χ^2/NDF:161.7/15

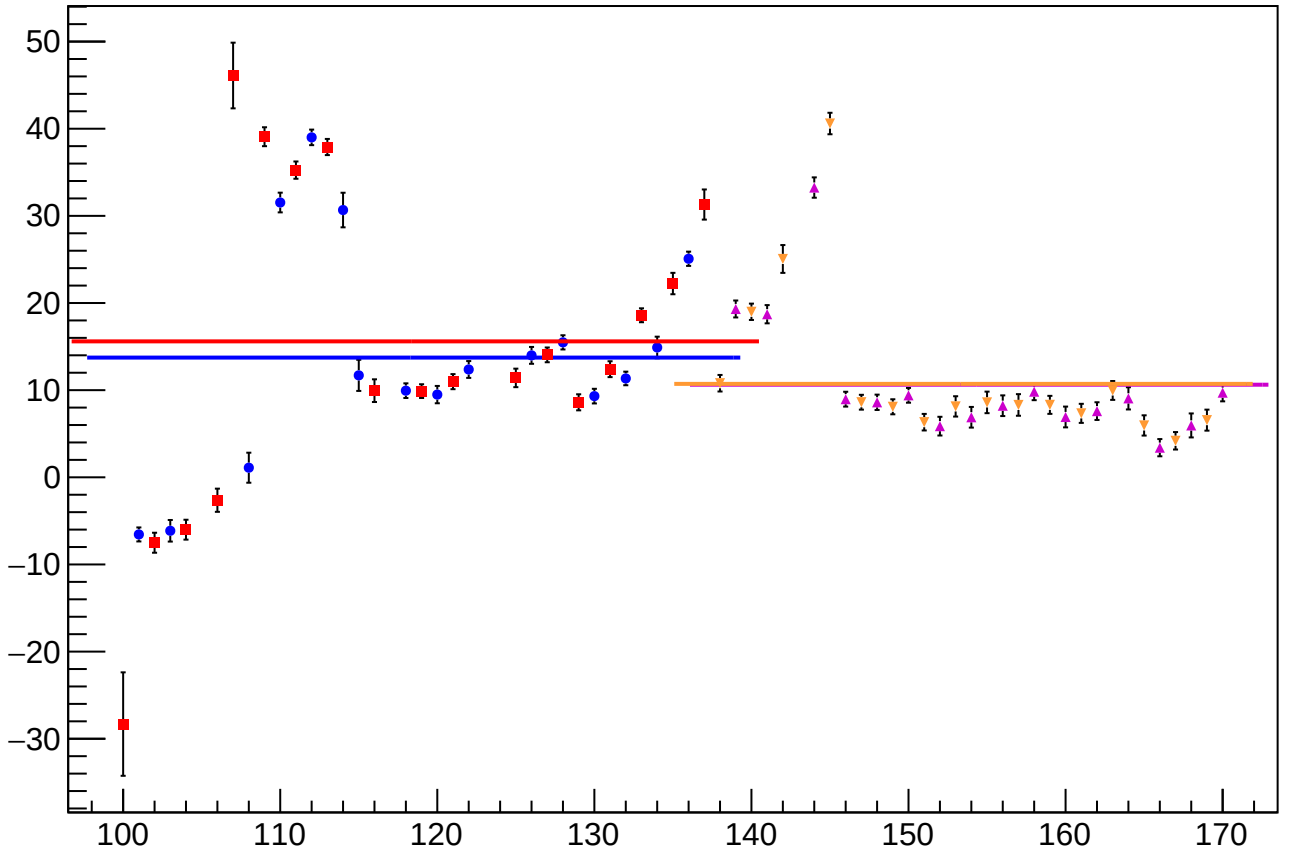
Left: 1.821+/-0.129 χ^2/NDF: 505.9/31

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.964+/-0.141 χ^2/NDF:602.5/31

Out: 3.271+/-0.141 χ^2/NDF:725.8/33

All: 3.117+/-0.100 χ^2/NDF: 1330.7/65



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.721+/-0.265 χ^2/NDF:881.5/15

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.625+/-0.259 χ^2/NDF:646.9/15

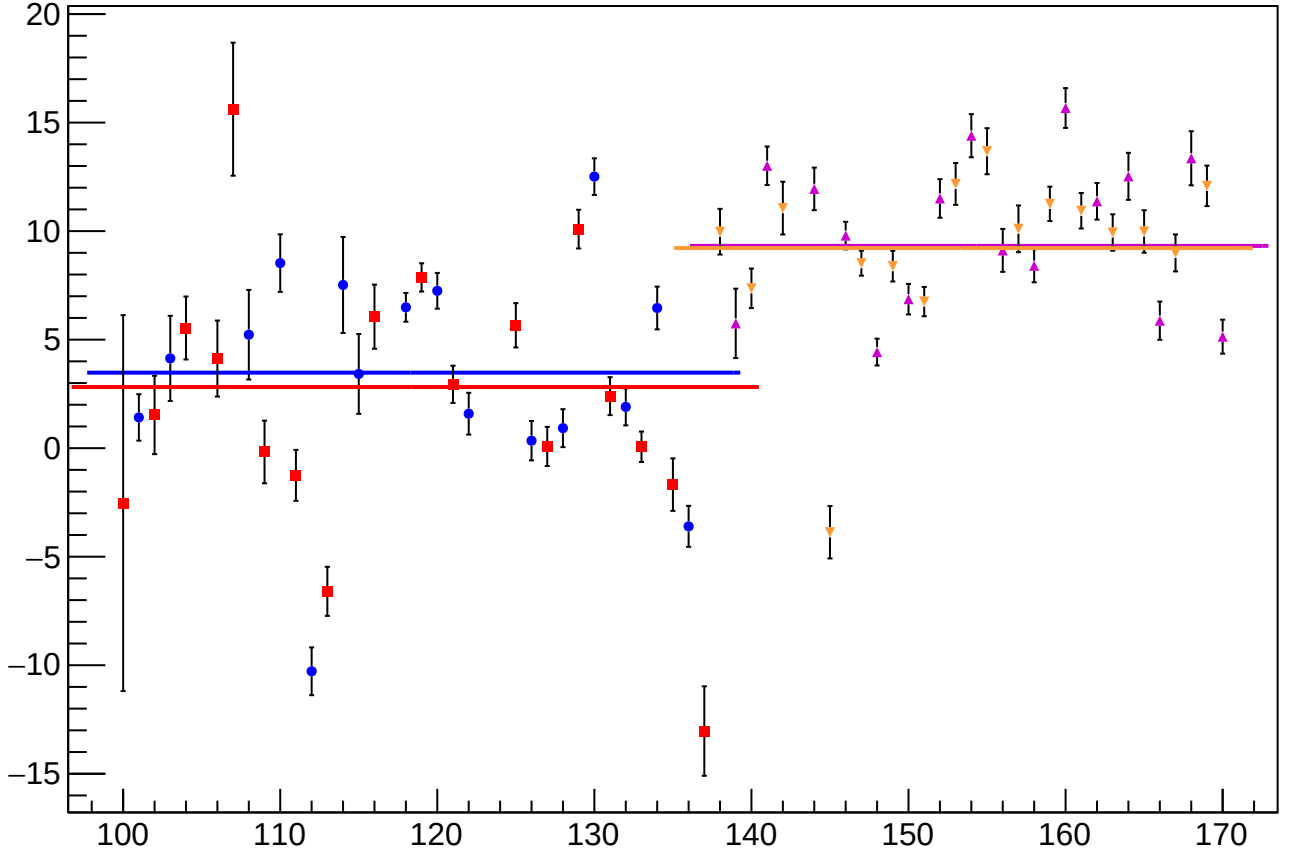
Left: 10.672+/-0.185 χ^2/NDF: 1528.4/31

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.255+/-0.179 χ^2/NDF:3072.6/31

Out: 13.303+/-0.182 χ^2/NDF:3886.9/33

All: 12.769+/-0.127 χ^2/NDF: 6976.4/65



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.219+/-0.215 χ^2/NDF:190.6/15

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.320+/-0.214 χ^2/NDF:255.6/15

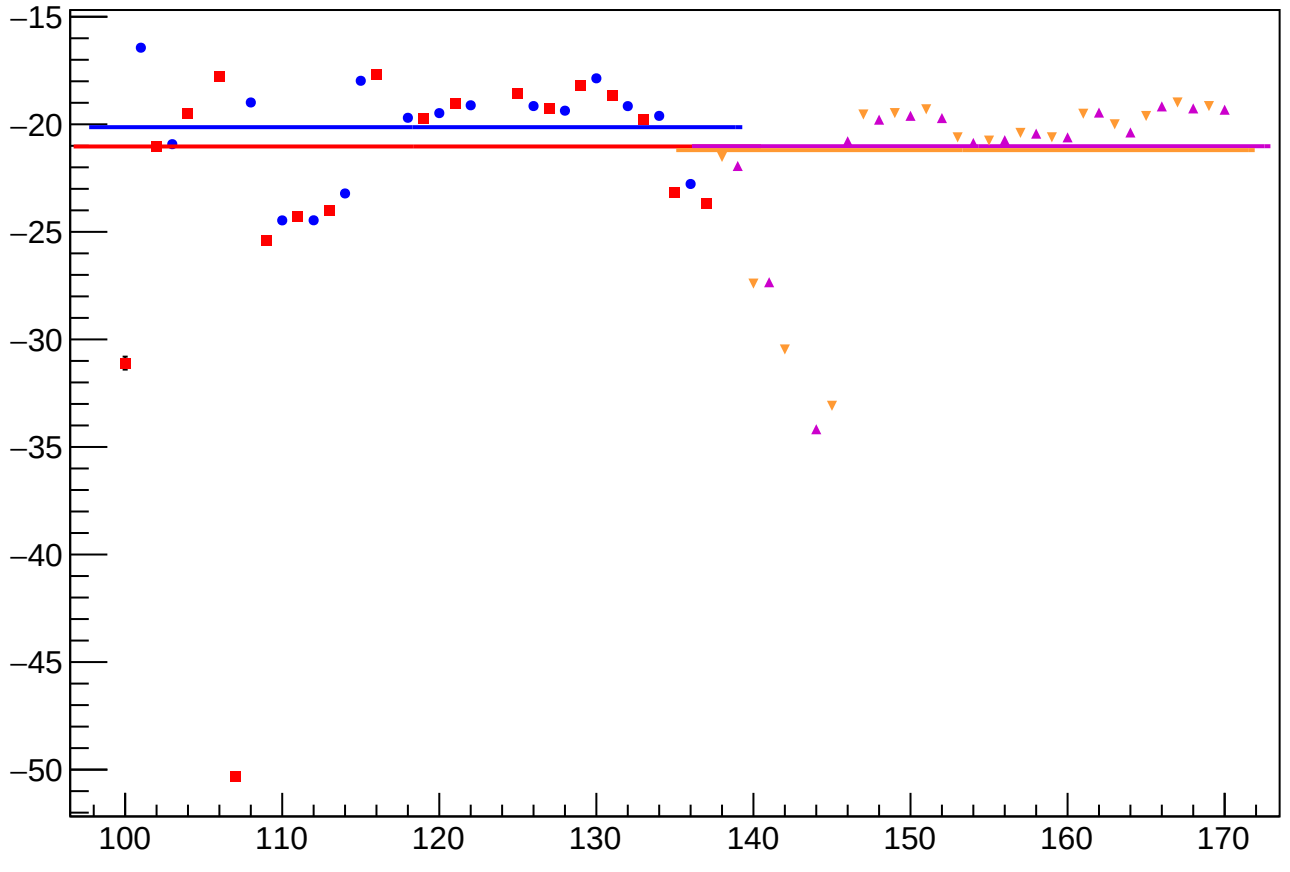
Left: 9.270+/-0.152 χ^2/NDF: 446.3/31

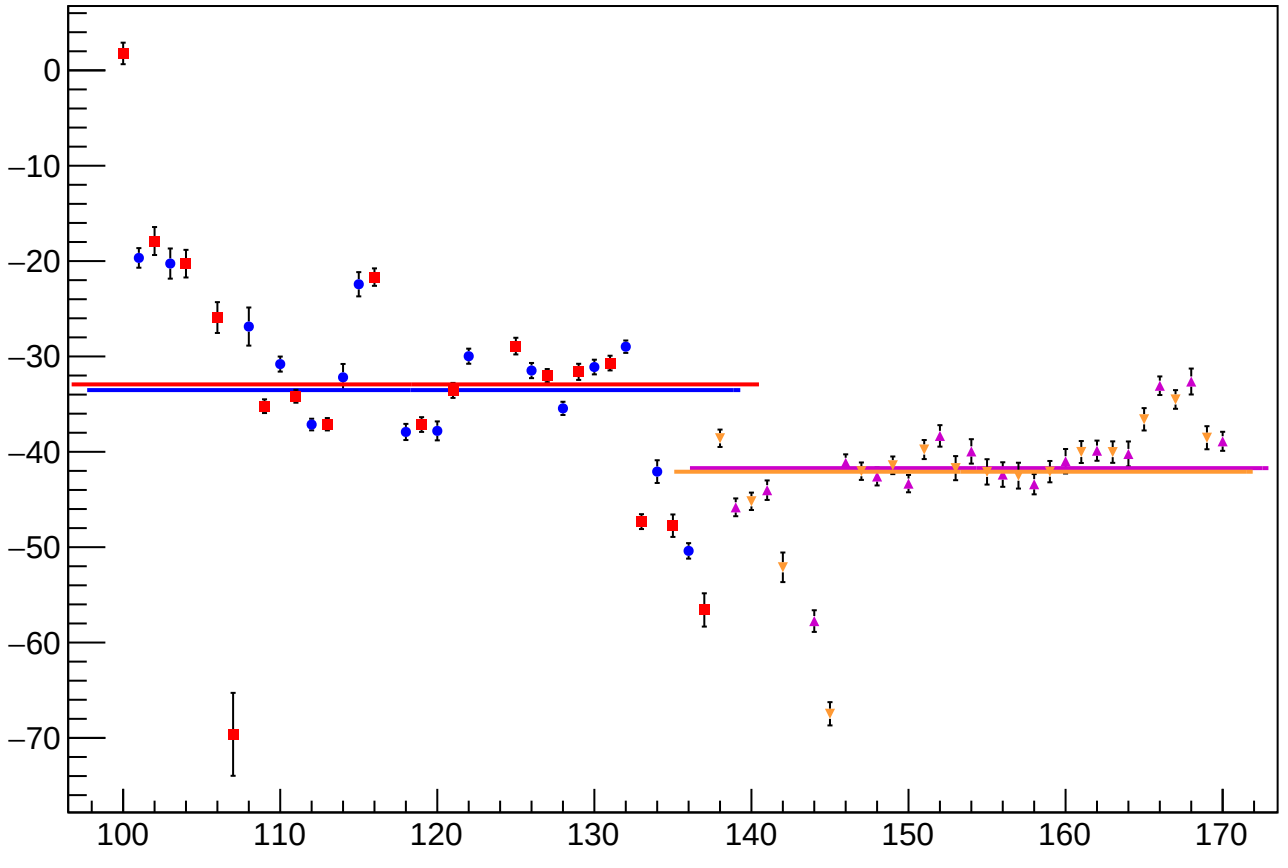
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.893+/-0.164 χ^2/NDF:993.1/31

Out: 6.583+/-0.165 χ^2/NDF:900.2/33

All: 6.739+/-0.116 χ^2/NDF: 1895.0/65


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
170
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -21.200+/-0.010 χ²/NDF:119872.2/15
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -21.018+/-0.010 χ²/NDF:97875.8/15
Left: -21.106+/-0.007 χ²/NDF: 217917.6/31
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -20.780+/-0.008 χ²/NDF:119939.5/31
Out: -21.154+/-0.009 χ²/NDF:177473.4/33
All: -20.961+/-0.006 χ²/NDF: 298393.9/65



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -42.087+/-0.273 χ^2/NDF:604.2/15

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -41.711+/-0.267 χ^2/NDF:377.9/15

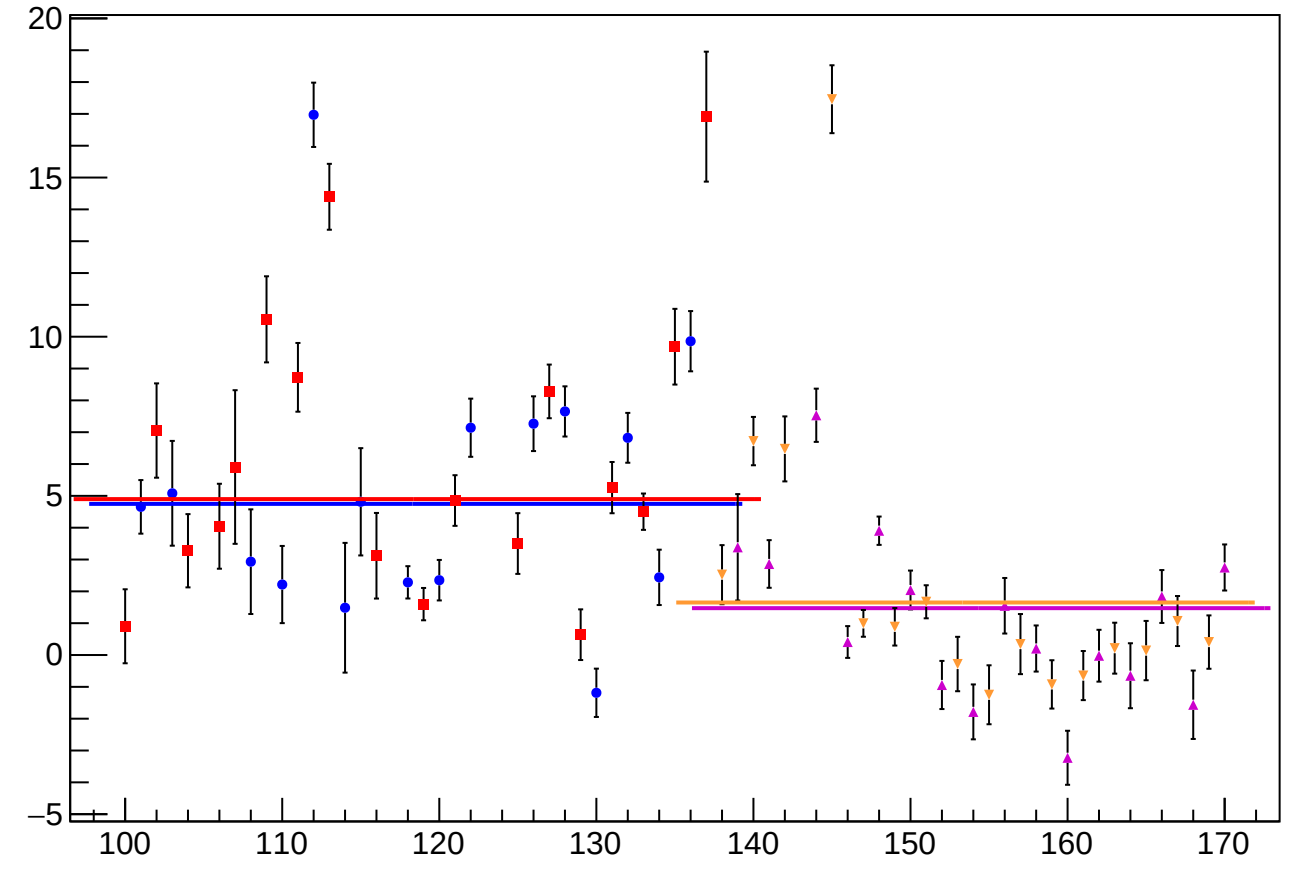
Left: -41.895+/-0.191 χ^2/NDF: 983.1/31

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.811+/-0.169 χ^2/NDF:1949.6/31

Out: -36.364+/-0.167 χ^2/NDF:3476.3/33

All: -36.585+/-0.119 χ^2/NDF: 5429.4/65



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.650+/-0.183 χ^2/NDF:337.4/15

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.472+/-0.183 χ^2/NDF:169.8/15

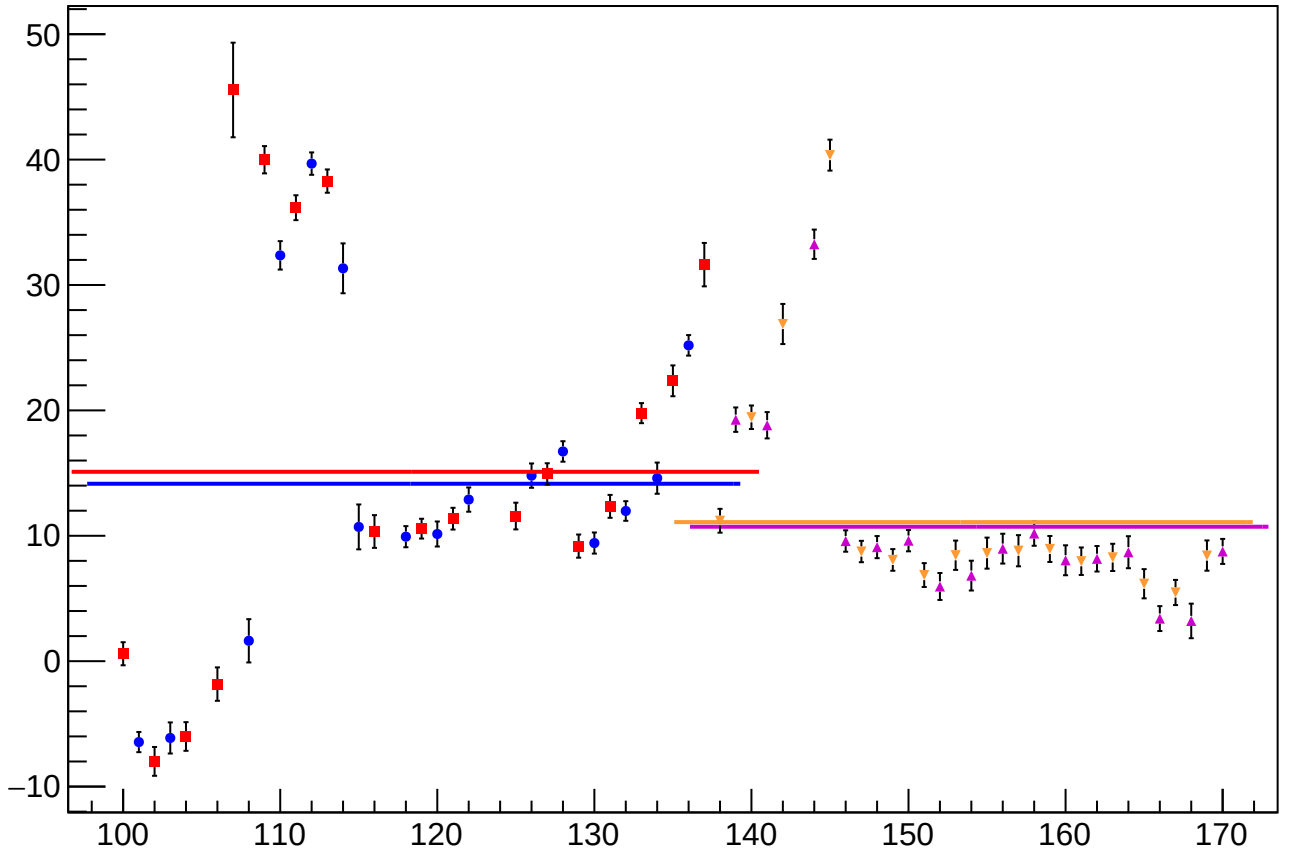
Left: 1.561+/-0.130 χ^2/NDF: 507.7/31

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.818+/-0.141 χ^2/NDF:626.5/31

Out: 2.980+/-0.141 χ^2/NDF:739.3/33

All: 2.899+/-0.100 χ^2/NDF: 1366.5/65



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.091+/-0.266 χ^2/NDF:863.5/15

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.723+/-0.259 χ^2/NDF:649.6/15

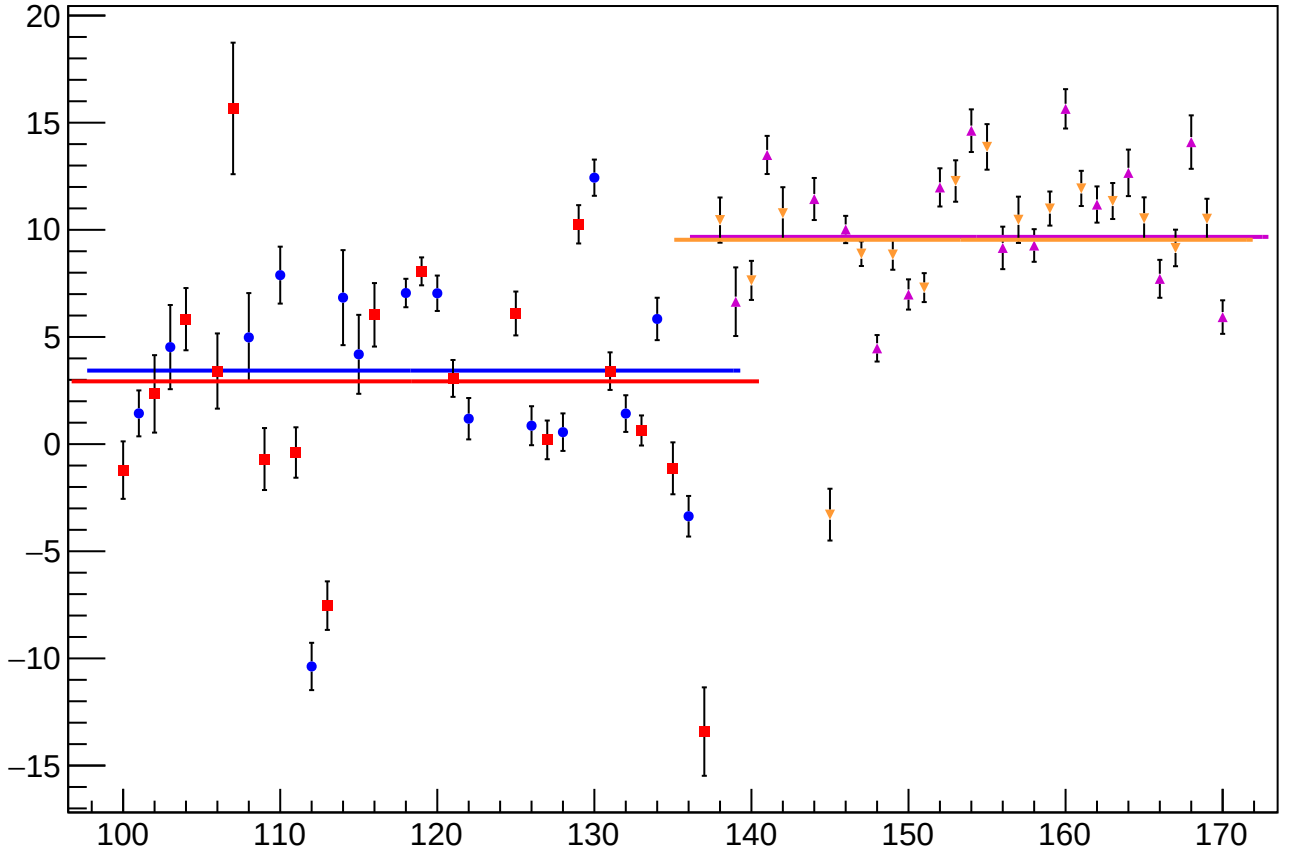
Left: 10.902+/-0.185 χ^2/NDF: 1514.1/31

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.516+/-0.179 χ^2/NDF:3143.4/31

Out: 13.284+/-0.179 χ^2/NDF:4090.5/33

All: 12.900+/-0.126 χ^2/NDF: 7243.1/65



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.536+/-0.216 χ^2/NDF:176.1/15

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.671+/-0.214 χ^2/NDF:236.2/15

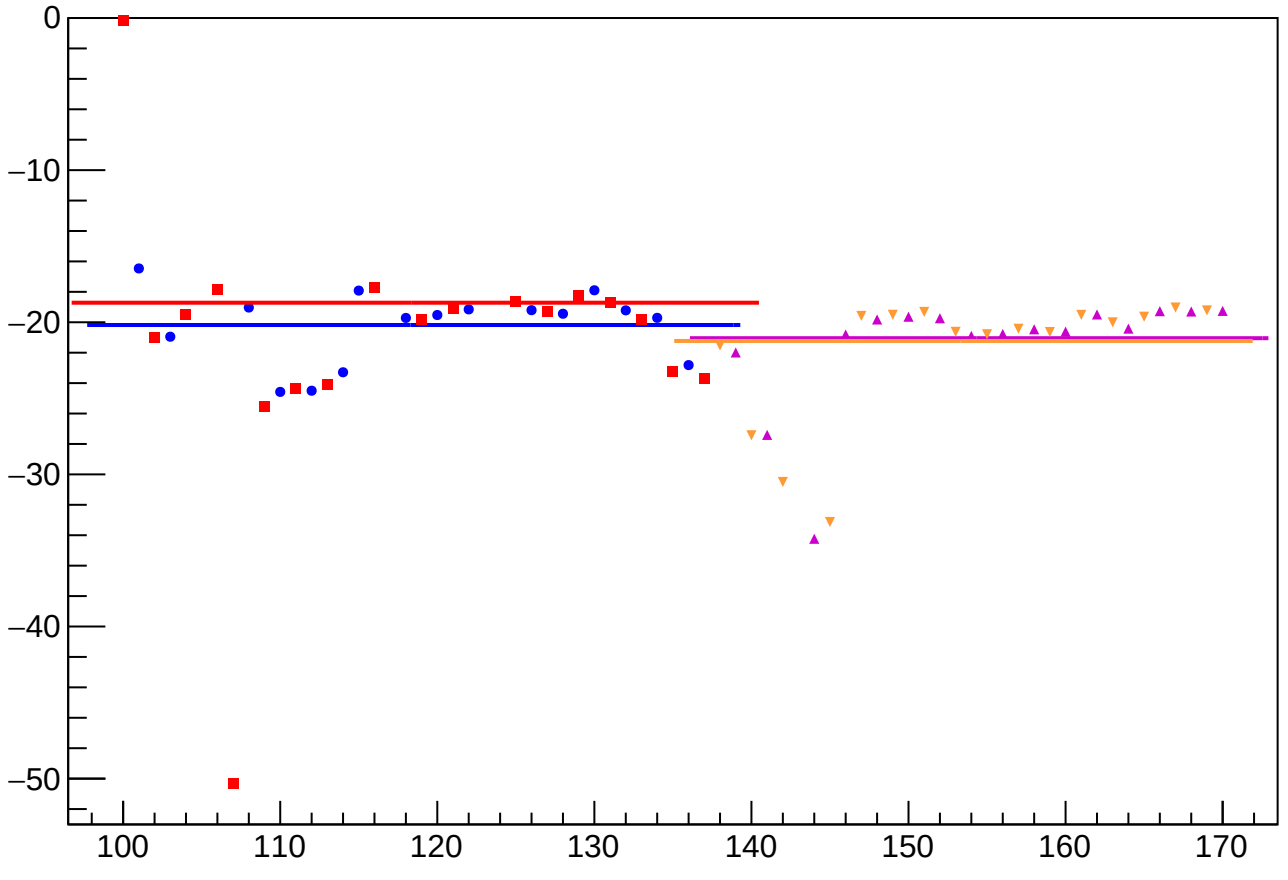
Left: 9.604+/-0.152 χ^2/NDF: 412.4/31

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.080+/-0.164 χ^2/NDF:1012.4/31

Out: 6.760+/-0.164 χ^2/NDF:938.3/33

All: 6.920+/-0.116 χ^2/NDF: 1952.5/65



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.229+/-0.010 χ^2/NDF:119506.3/15

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.048+/-0.010 χ^2/NDF:98151.1/15

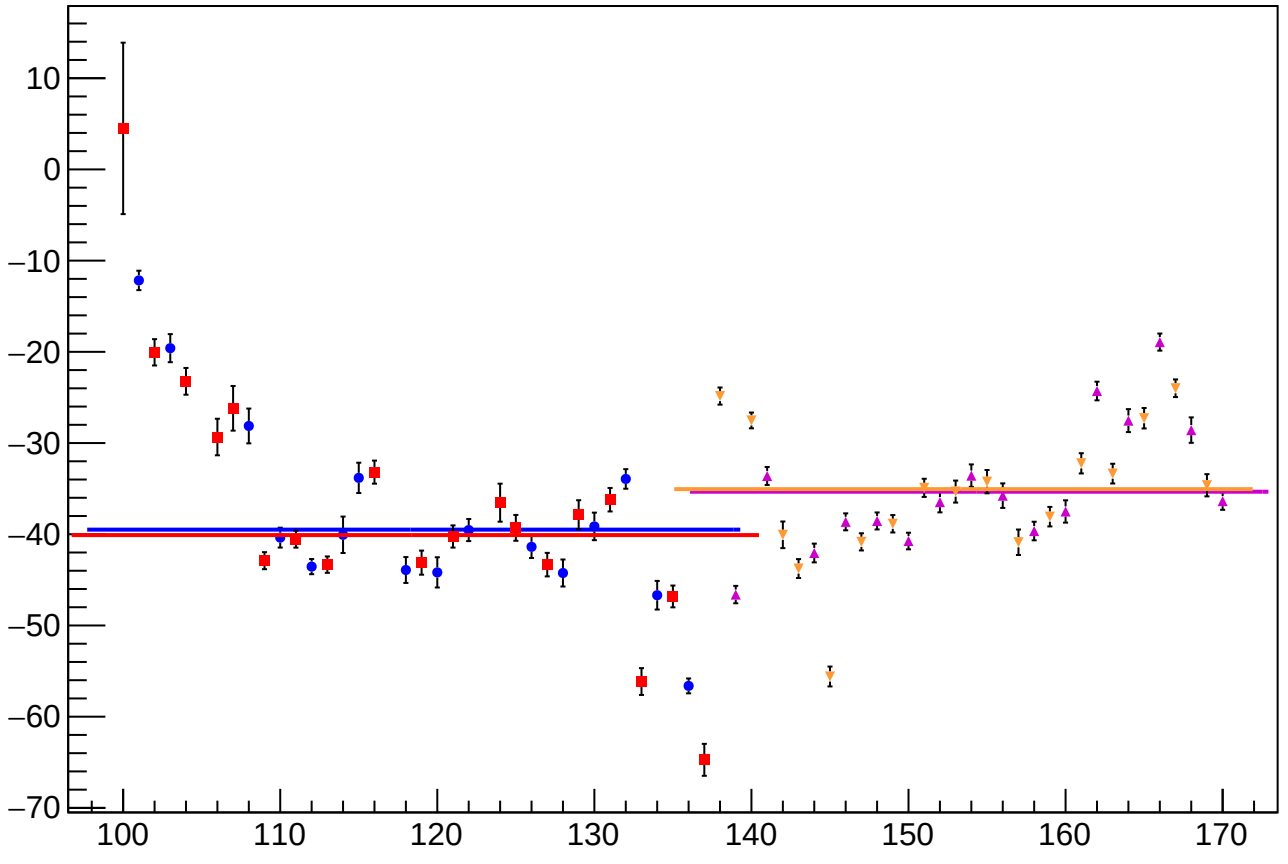
Left: -21.135+/-0.007 χ^2/NDF: 217824.8/31

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.814+/-0.008 χ^2/NDF:120141.5/31

Out: -20.485+/-0.008 χ^2/NDF:372557.1/33

All: -20.652+/-0.006 χ^2/NDF: 493466.4/65



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.051+/-0.260 χ^2/NDF:899.1/16

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -35.335+/-0.262 χ^2/NDF:755.3/15

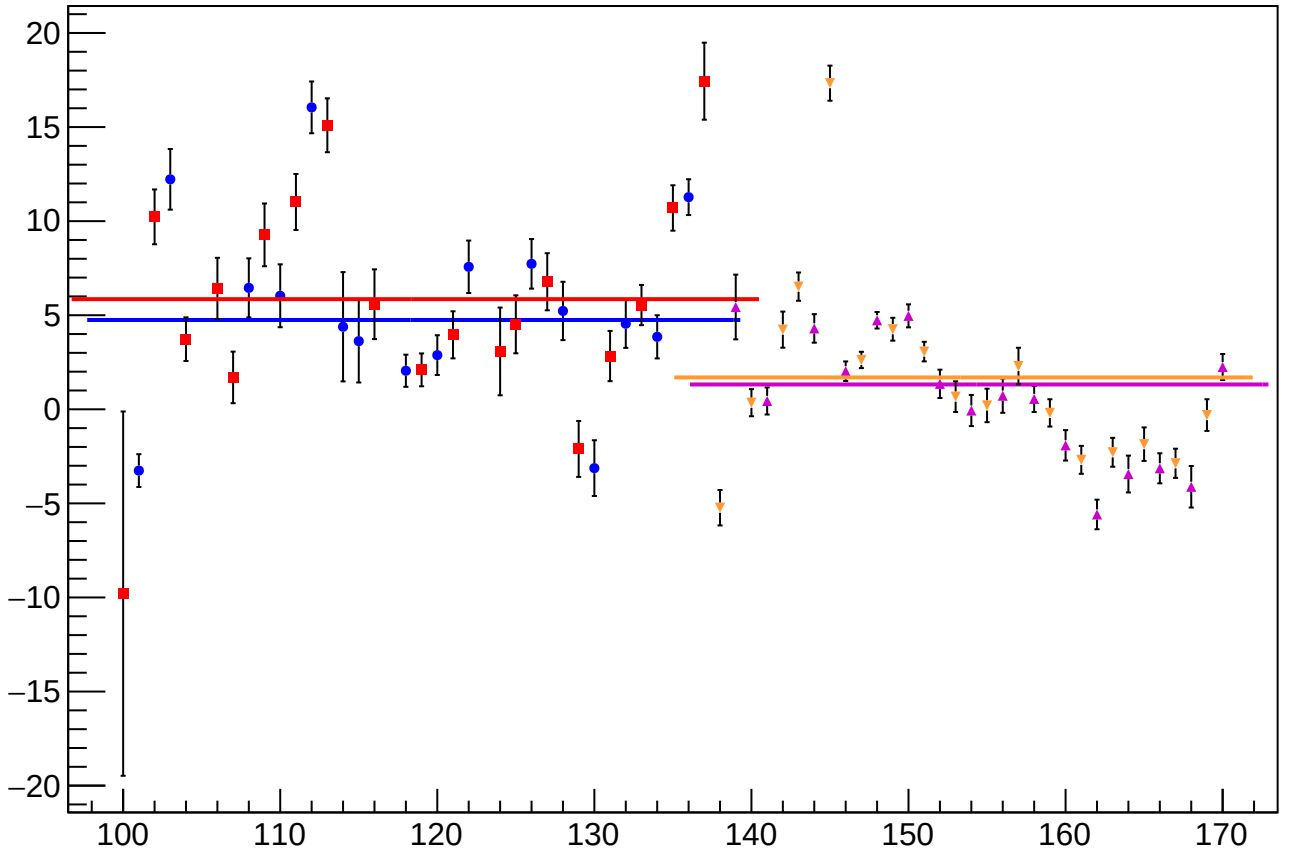
Left: -35.192+/-0.184 χ^2/NDF: 1655.1/32

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -37.063+/-0.200 χ^2/NDF:2277.1/31

Out: -37.151+/-0.198 χ^2/NDF:1891.1/35

All: -37.108+/-0.141 χ^2/NDF: 4168.3/67



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.692+/-0.176 χ^2/NDF:545.8/16

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.320+/-0.180 χ^2/NDF:298.8/15

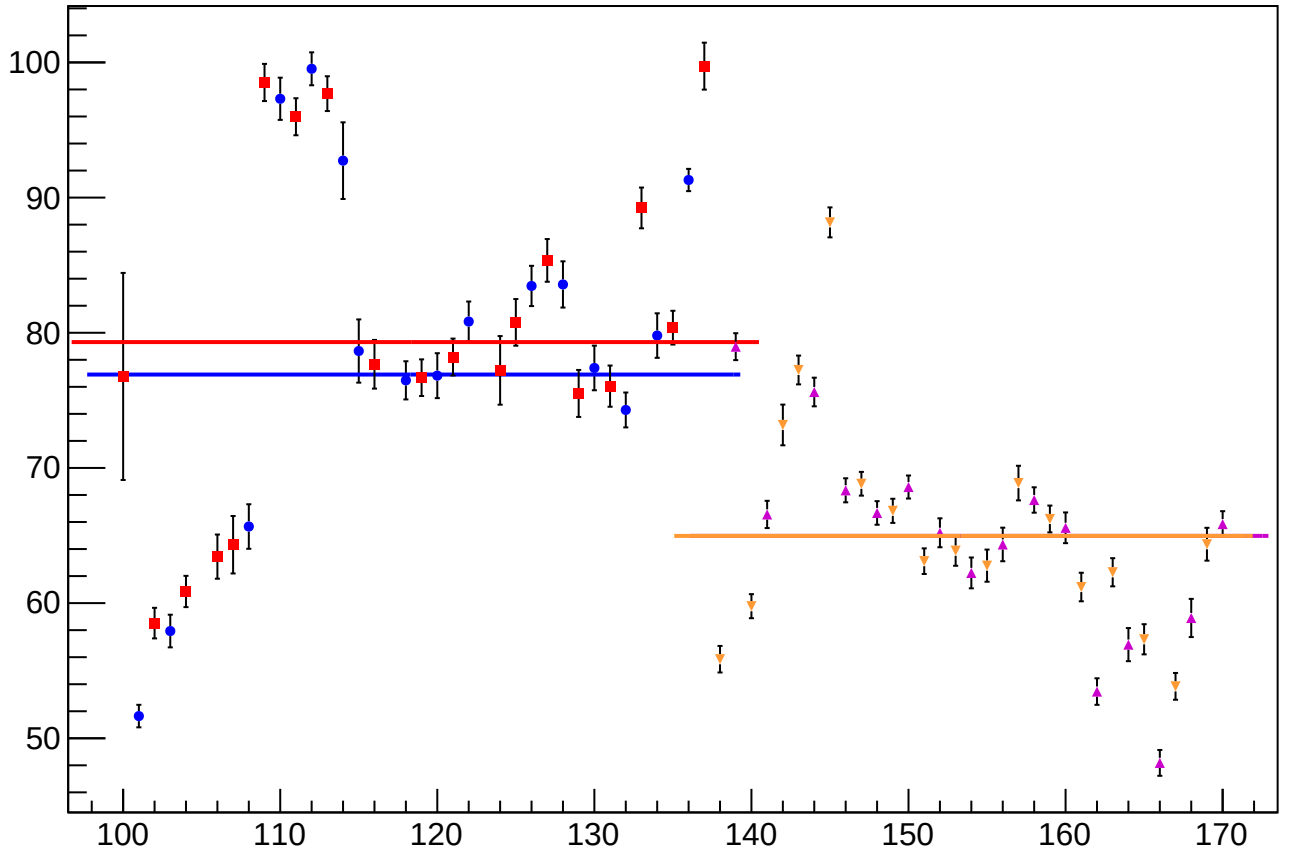
Left: 1.511+/-0.126 χ^2/NDF: 846.8/32

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.163+/-0.157 χ^2/NDF:661.4/31

Out: 2.639+/-0.154 χ^2/NDF:861.0/35

All: 2.404+/-0.110 χ^2/NDF: 1527.1/67



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.972+/-0.254 χ^2/NDF:956.8/16

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 64.974+/-0.255 χ^2/NDF:860.9/15

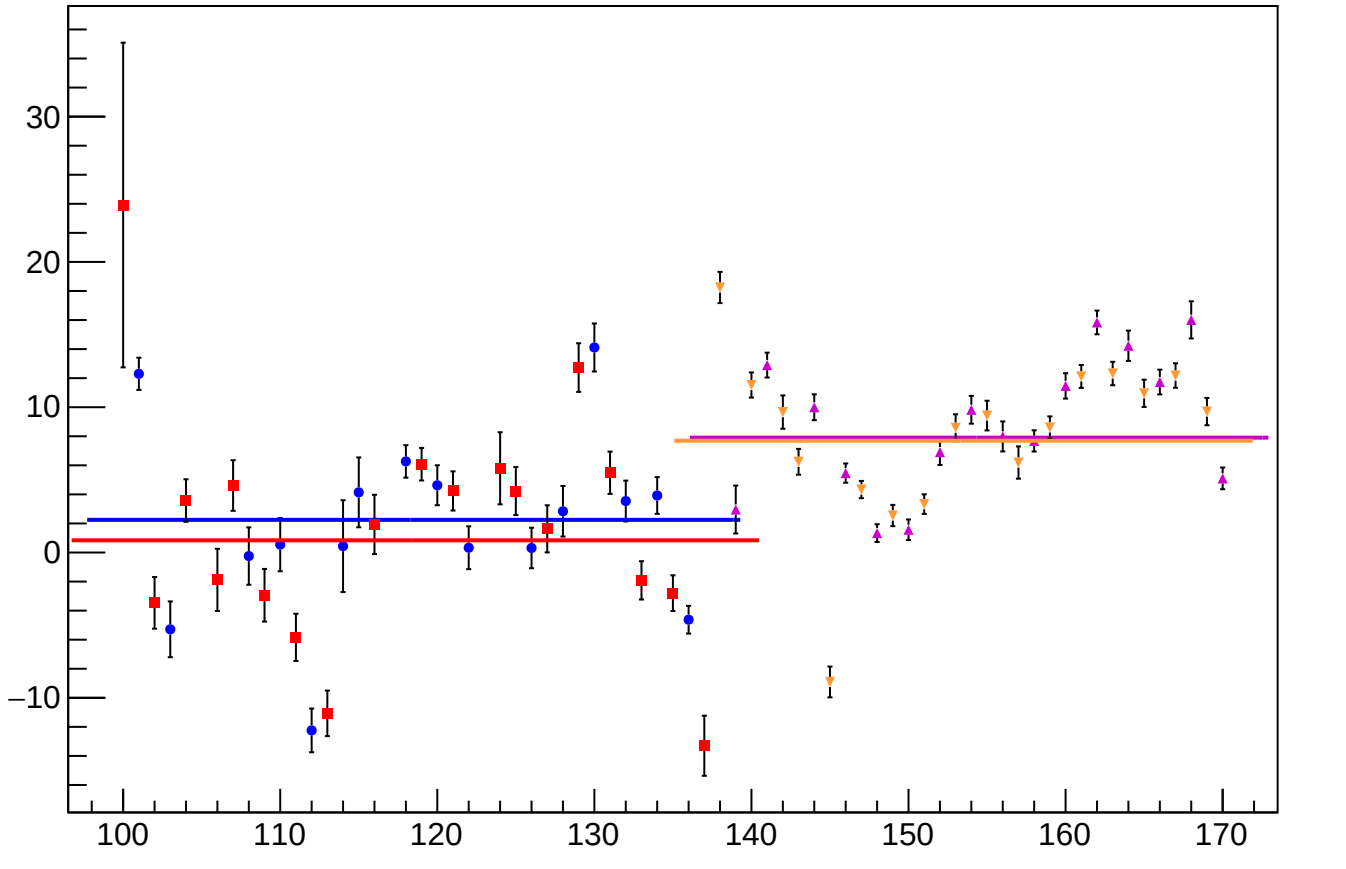
Left: 64.973+/-0.180 χ^2/NDF: 1817.7/32

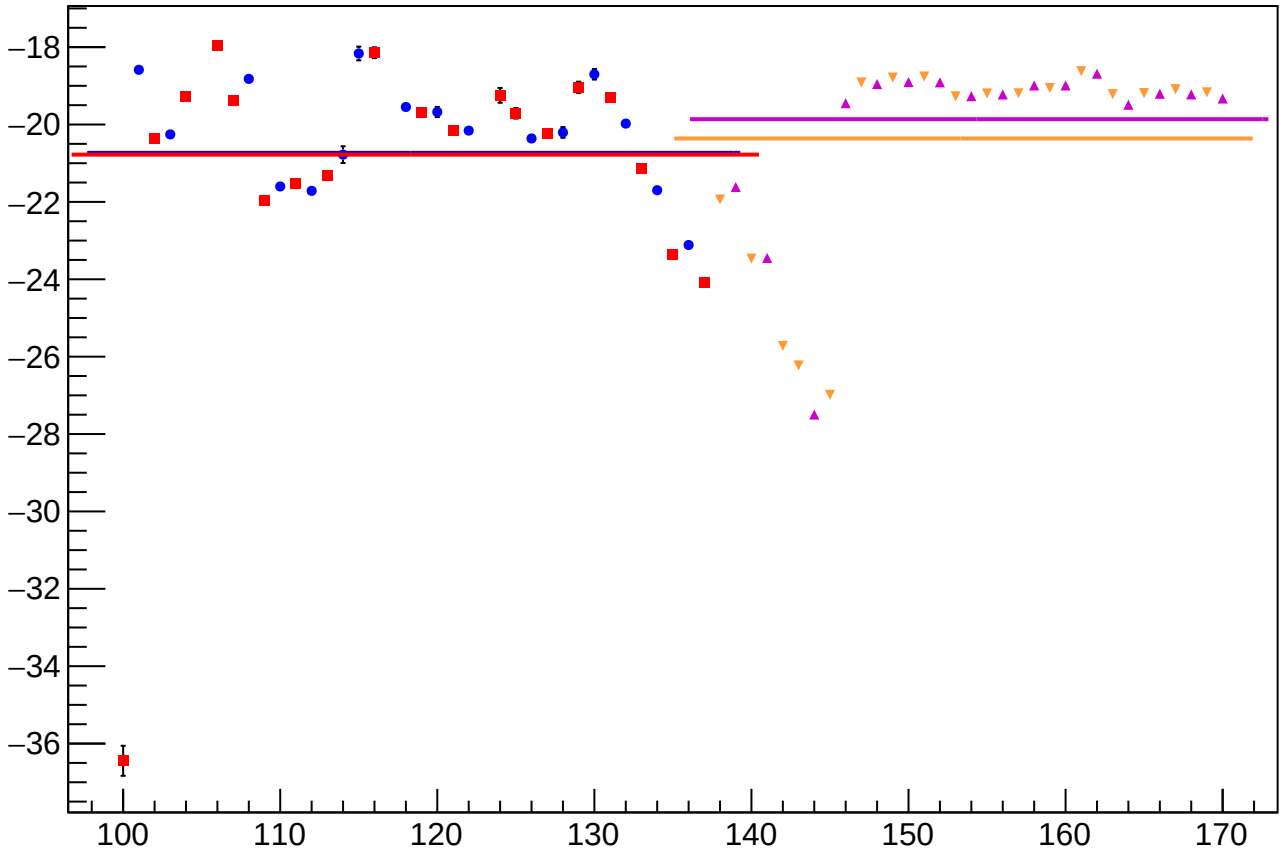
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.311+/-0.203 χ^2/NDF:3776.0/31

Out: 69.946+/-0.205 χ^2/NDF:3562.9/35

All: 69.626+/-0.144 χ^2/NDF: 7343.8/67


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.693+/-0.206 χ²/NDF:606.9/16
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.905+/-0.210 χ²/NDF:485.6/15
Left: 7.797+/-0.147 χ²/NDF: 1092.9/32
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.485+/-0.182 χ²/NDF:987.0/31
Out: 6.082+/-0.180 χ²/NDF:1122.6/35
All: 6.282+/-0.128 χ²/NDF: 2112.0/67



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.362+/-0.010 χ^2/NDF:70477.0/16

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.863+/-0.010 χ^2/NDF:41575.3/15

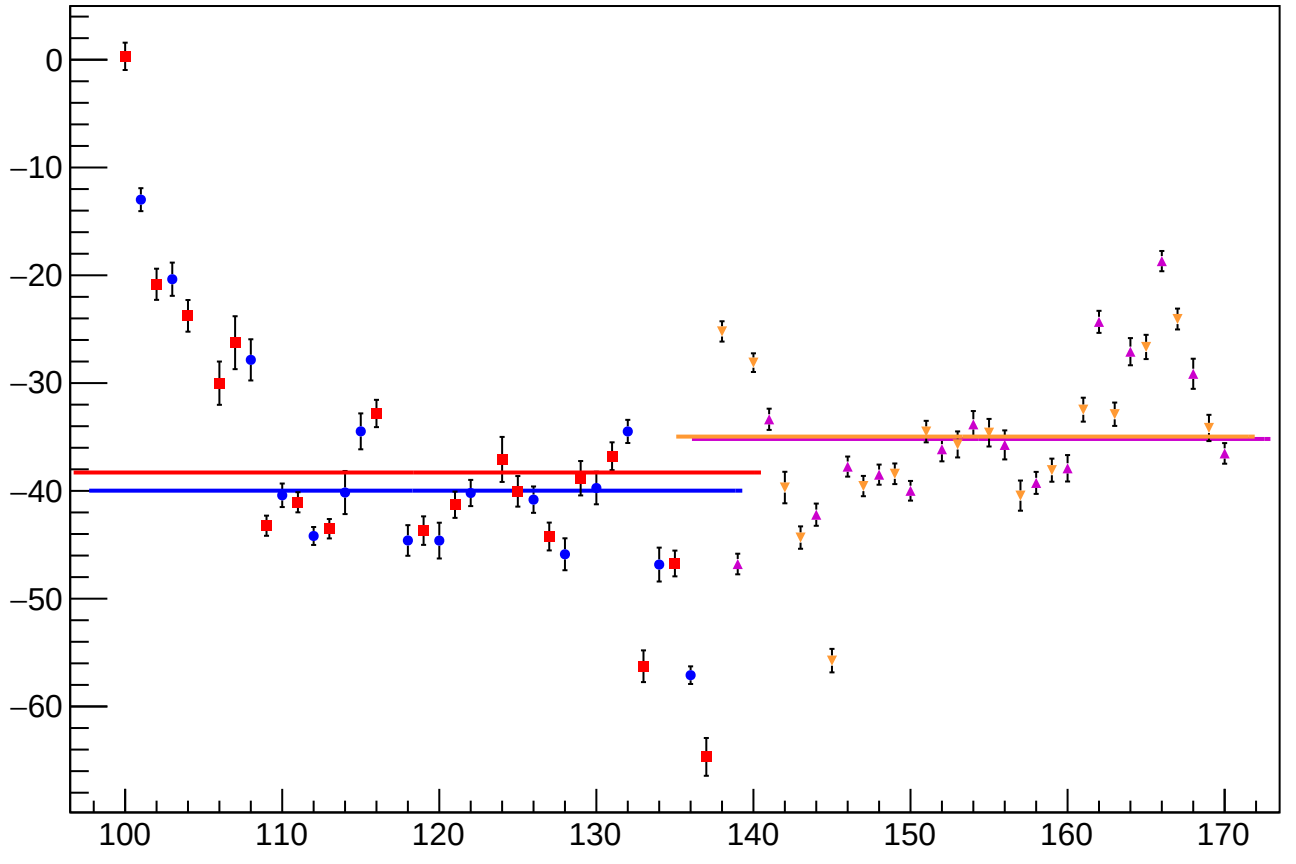
Left: -20.110+/-0.007 χ^2/NDF: 113400.3/32

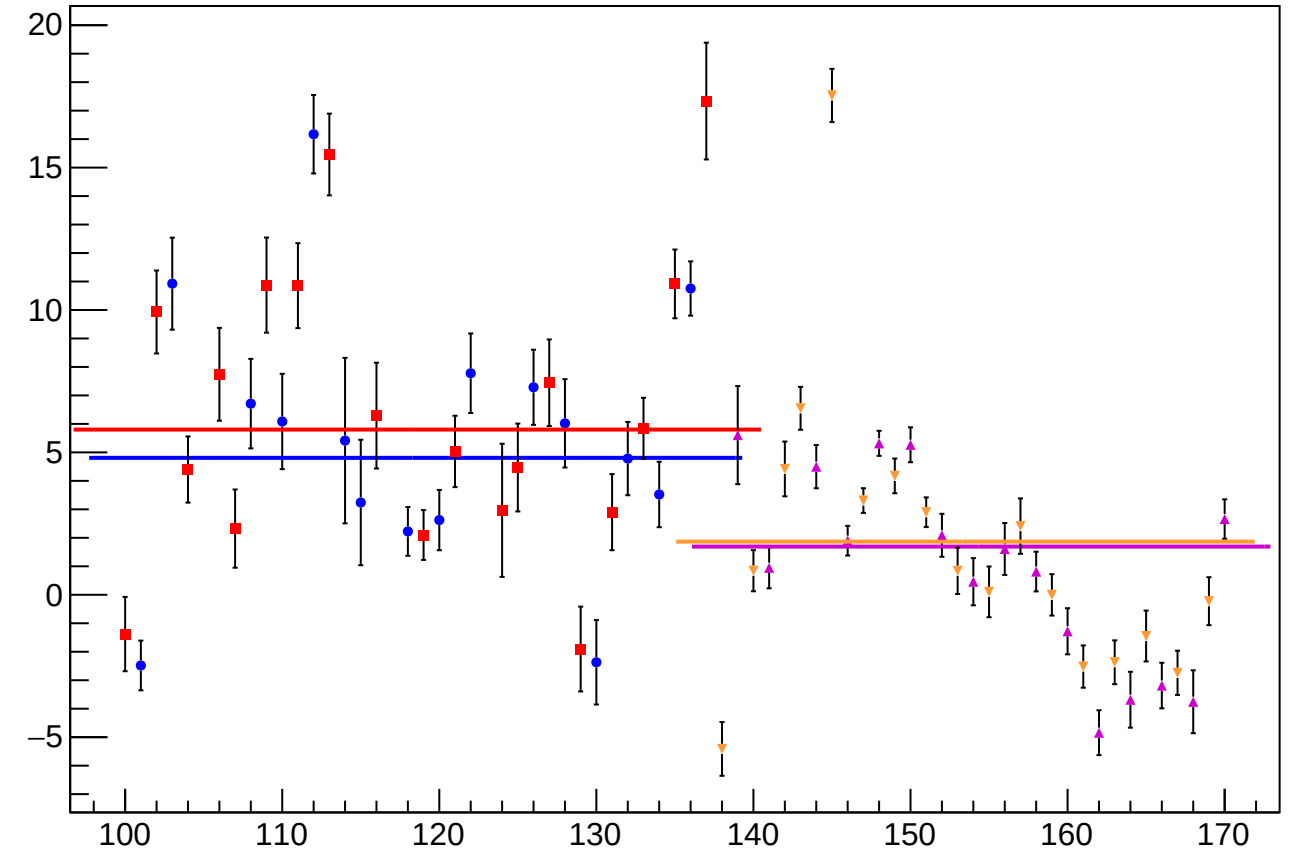
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

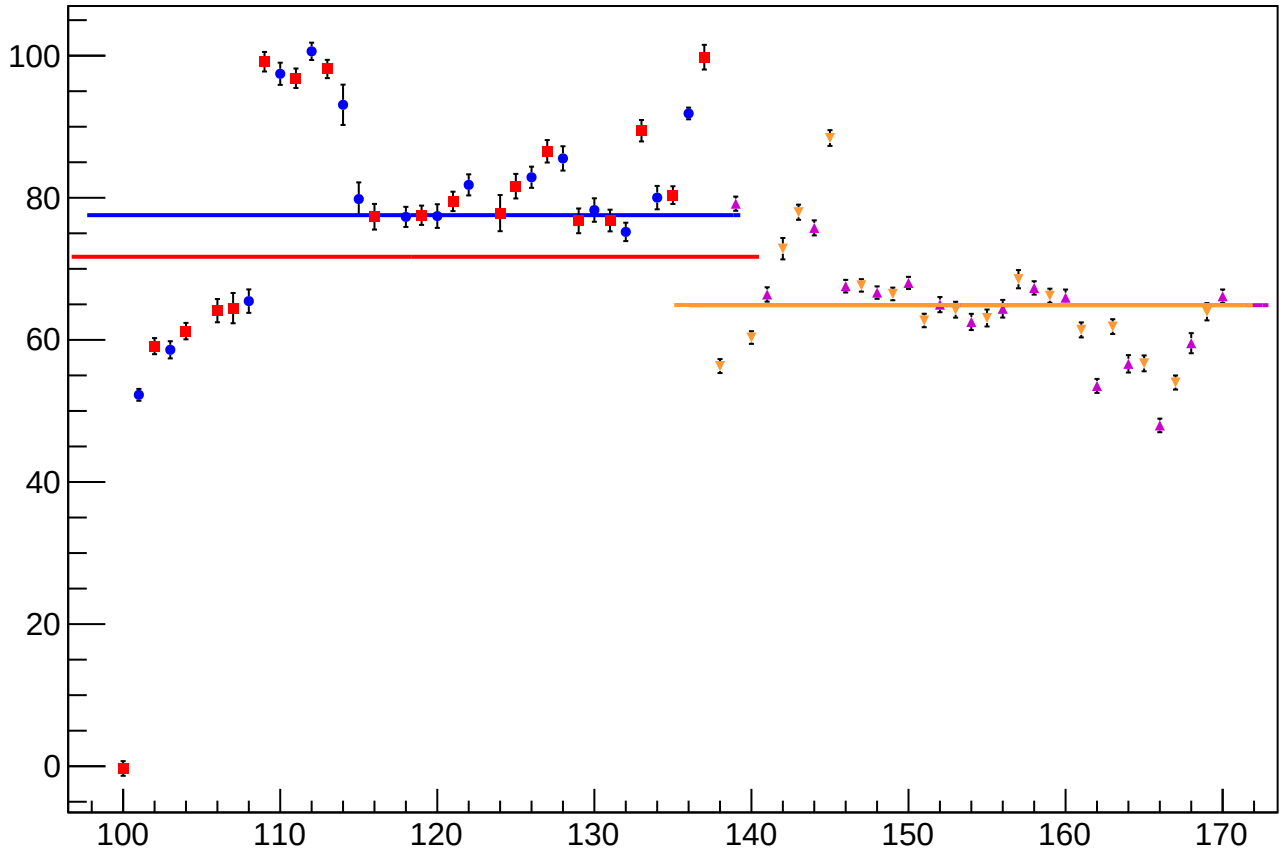
In: -20.033+/-0.009 χ^2/NDF:50823.3/31

Out: -20.440+/-0.009 χ^2/NDF:80249.6/35

All: -20.233+/-0.006 χ^2/NDF: 132179.0/67


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: -34.963+/-0.260 χ²/NDF:876.9/16
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -35.183+/-0.262 χ²/NDF:751.0/15
Left: -35.072+/-0.185 χ²/NDF: 1628.2/32
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -37.178+/-0.201 χ²/NDF:2288.2/31
Out: -36.397+/-0.196 χ²/NDF:2721.4/35
All: -36.779+/-0.140 χ²/NDF: 5017.3/67


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 1.867+/-0.176 χ²/NDF:551.0/16
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.693+/-0.181 χ²/NDF:301.8/15
Left: 1.782+/-0.126 χ²/NDF: 853.3/32
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.459+/-0.157 χ²/NDF:615.4/31
Out: 2.803+/-0.154 χ²/NDF:886.3/35
All: 2.635+/-0.110 χ²/NDF: 1504.2/67



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.910+/-0.254 χ^2/NDF:954.0/16

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.887+/-0.255 χ^2/NDF:858.2/15

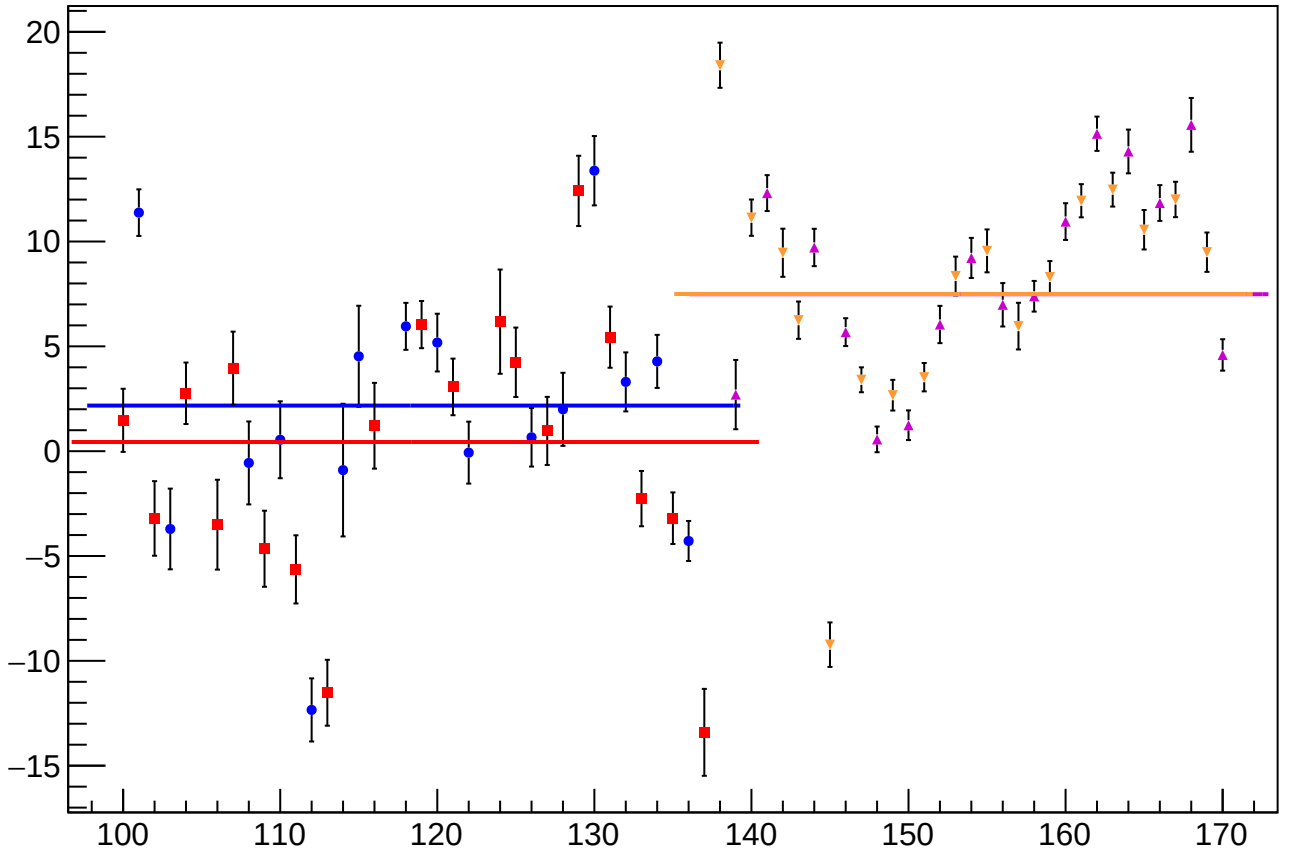
Left: 64.898+/-0.180 χ^2/NDF: 1812.2/32

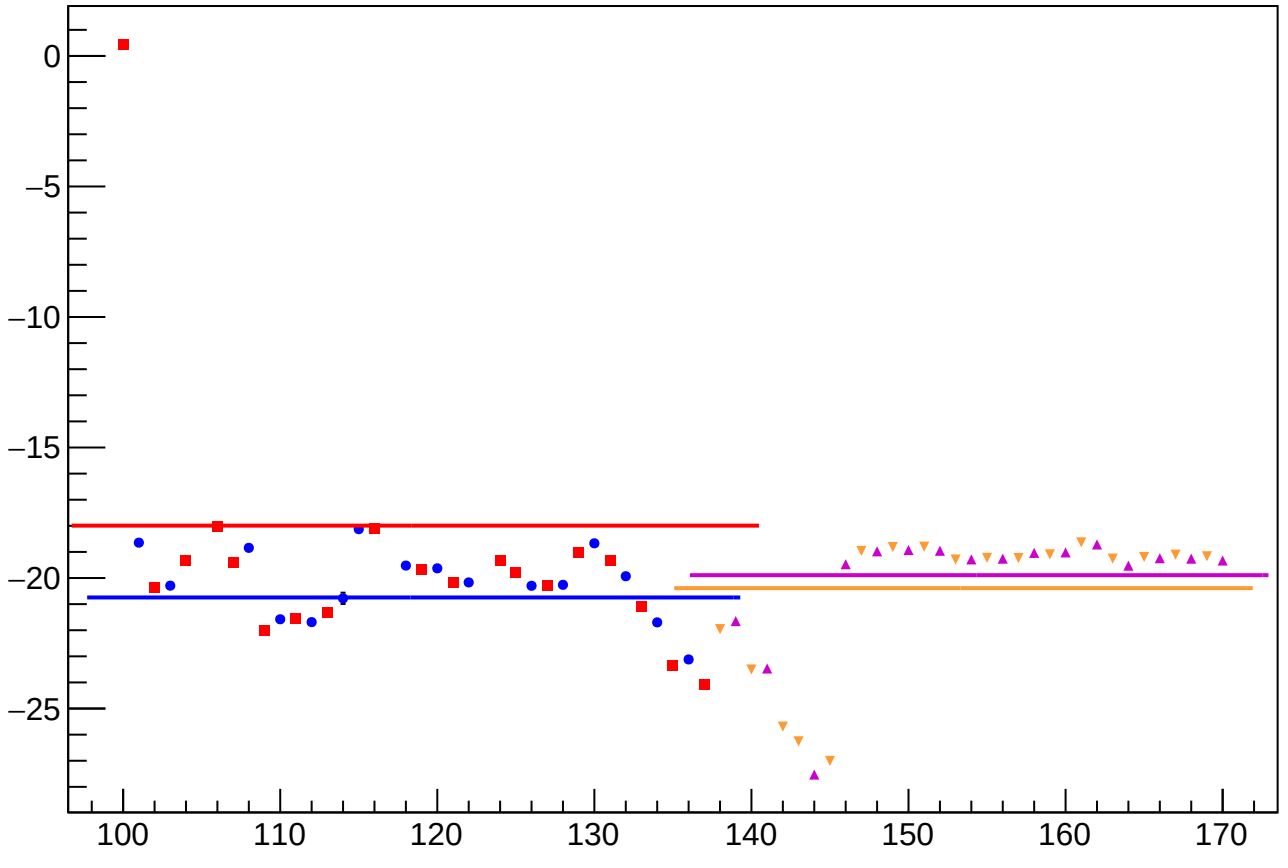
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

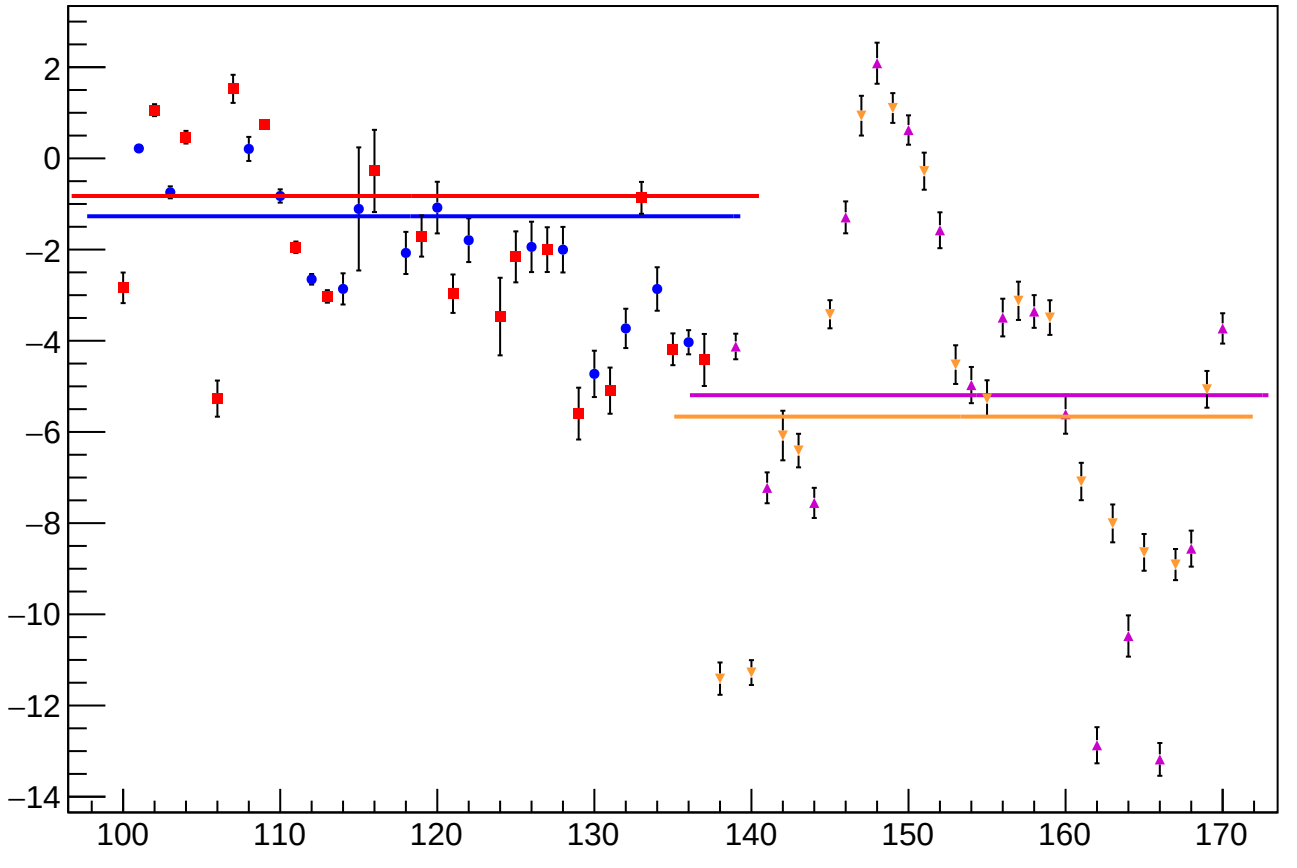
In: 69.492+/-0.203 χ^2/NDF:3873.6/31

Out: 67.430+/-0.201 χ^2/NDF:8123.0/35

All: 68.450+/-0.143 χ^2/NDF: 12048.5/67


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.496+/-0.207 χ²/NDF:620.2/16
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.486+/-0.211 χ²/NDF:491.9/15
Left: 7.491+/-0.147 χ²/NDF: 1112.1/32
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.152+/-0.182 χ²/NDF:942.0/31
Out: 5.762+/-0.179 χ²/NDF:1161.2/35
All: 5.954+/-0.128 χ²/NDF: 2105.5/67


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.387+/-0.010 χ²/NDF:70086.9/16
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.891+/-0.010 χ²/NDF:41418.2/15
Left: -20.137+/-0.007 χ²/NDF: 112830.7/32
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.058+/-0.009 χ²/NDF:50480.1/31
Out: -19.889+/-0.009 χ²/NDF:233403.9/35
All: -19.974+/-0.006 χ²/NDF: 284077.3/67



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.663+/-0.091 χ^2/NDF:1847.3/16

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.194+/-0.091 χ^2/NDF:2038.4/15

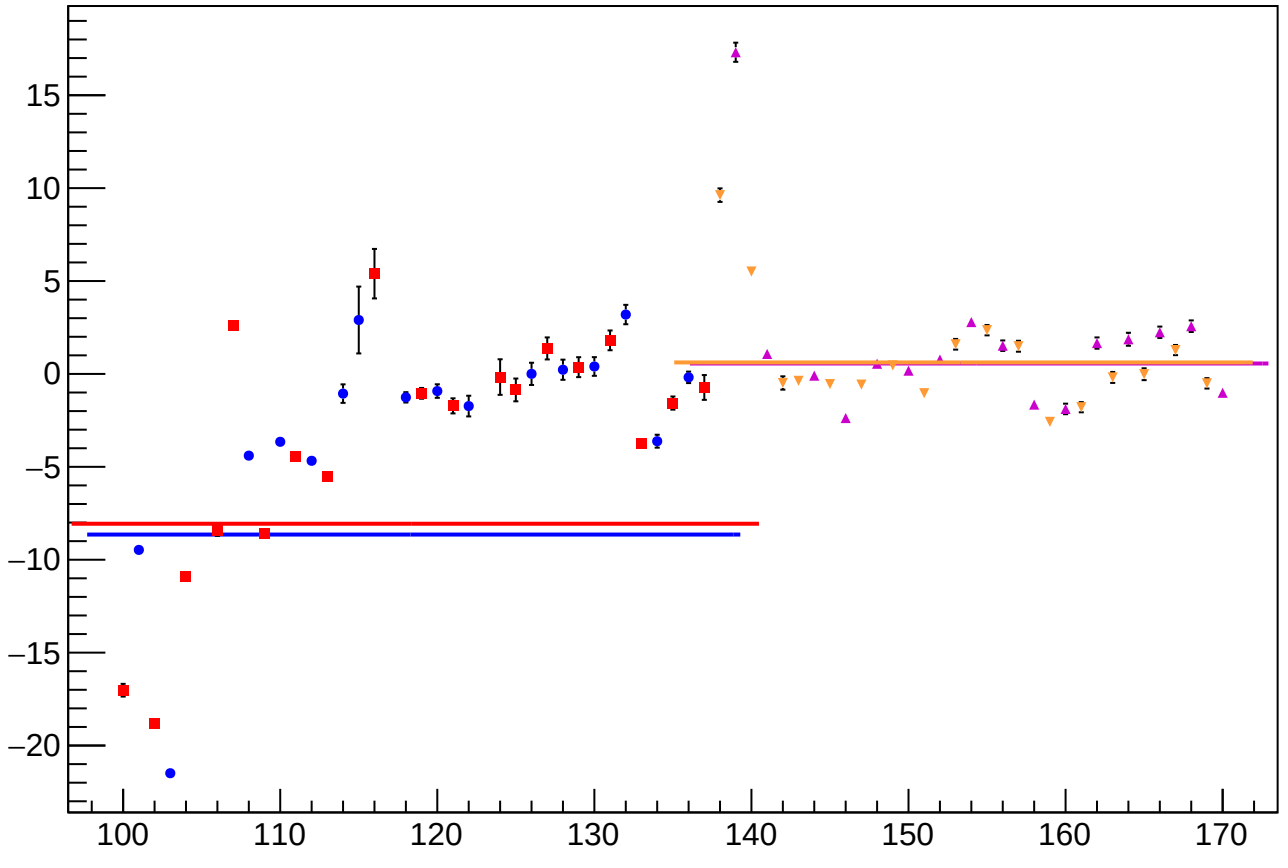
Left: -5.429+/-0.065 χ^2/NDF: 3898.9/32

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.299+/-0.047 χ^2/NDF:4013.8/31

Out: -1.980+/-0.045 χ^2/NDF:5377.2/35

All: -2.132+/-0.032 χ^2/NDF: 9415.4/67



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.619+/-0.064 χ^2/NDF:1521.3/16

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.561+/-0.066 χ^2/NDF:1641.2/15

Left: 0.591+/-0.046 χ^2/NDF: 3163.0/32

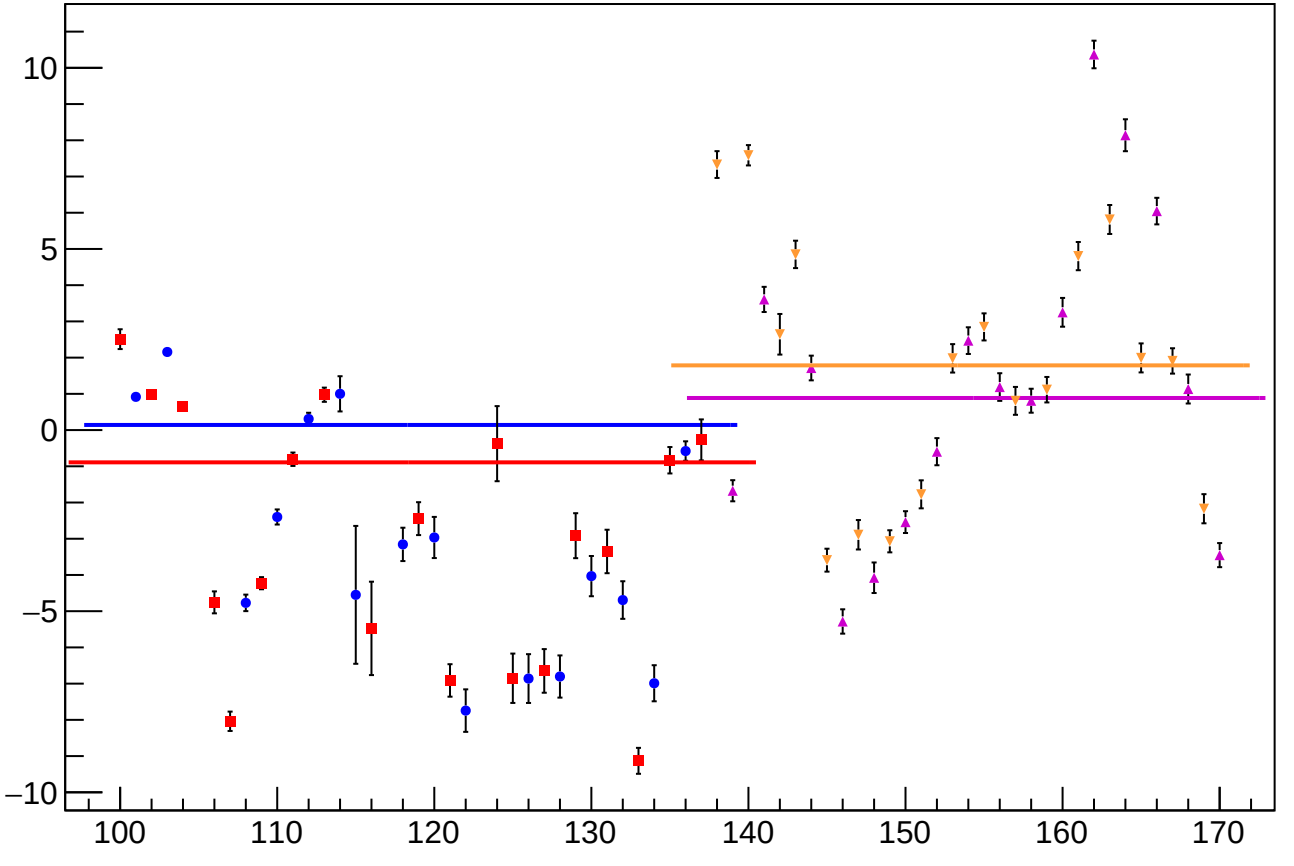
Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.732+/-0.043 χ^2/NDF:26582.1/31

Out: -4.209+/-0.043 χ^2/NDF:26068.3/35

All: -4.468+/-0.030 χ^2/NDF: 52724.2/67

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.786+/-0.089 χ^2/NDF:1756.0/16

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.886+/-0.089 χ^2/NDF:2078.3/15

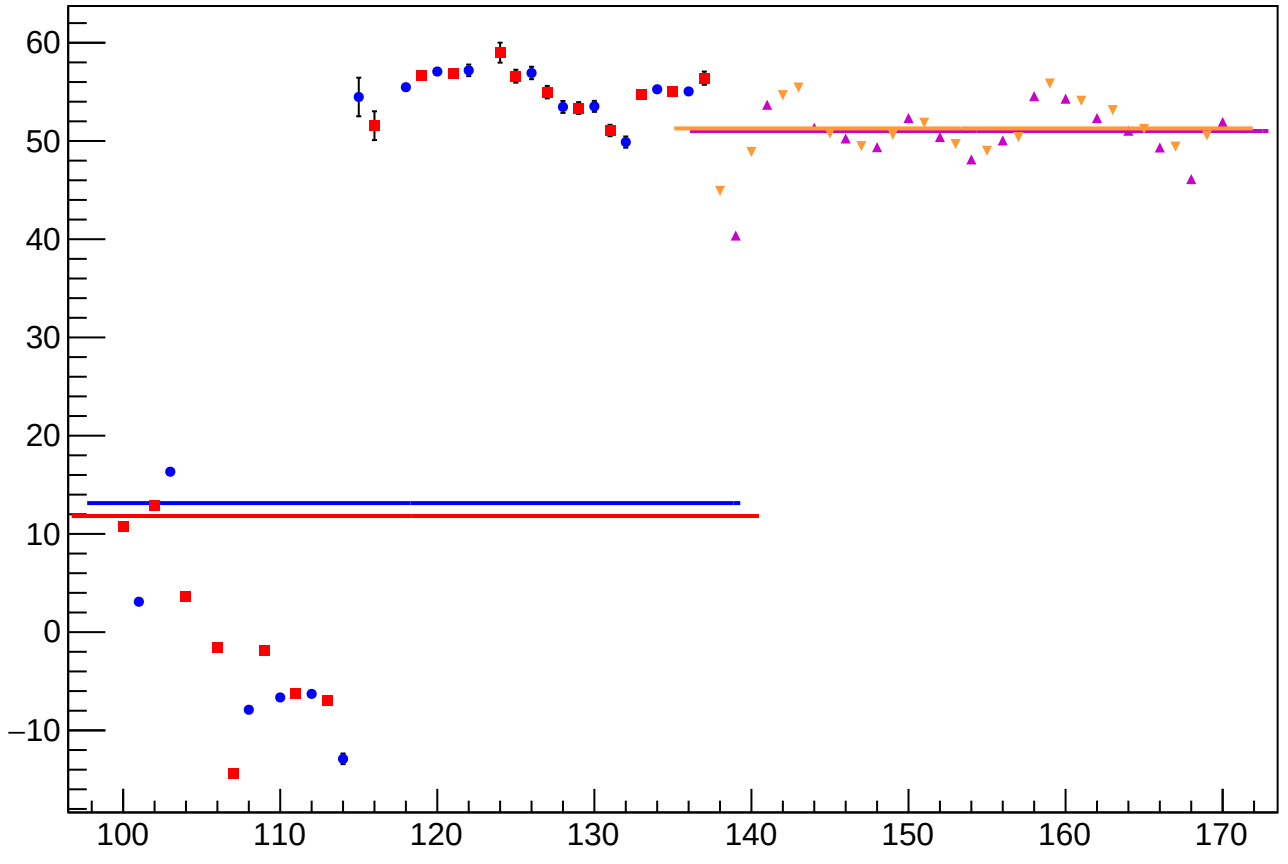
Left: 1.336+/-0.063 χ^2/NDF: 3885.2/32

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.335+/-0.046 χ^2/NDF:4089.6/31

Out: -0.181+/-0.046 χ^2/NDF:5402.9/35

All: 0.080+/-0.032 χ^2/NDF: 9556.2/67



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.278+/-0.074 χ^2/NDF:1145.4/16

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.015+/-0.076 χ^2/NDF:1257.1/15

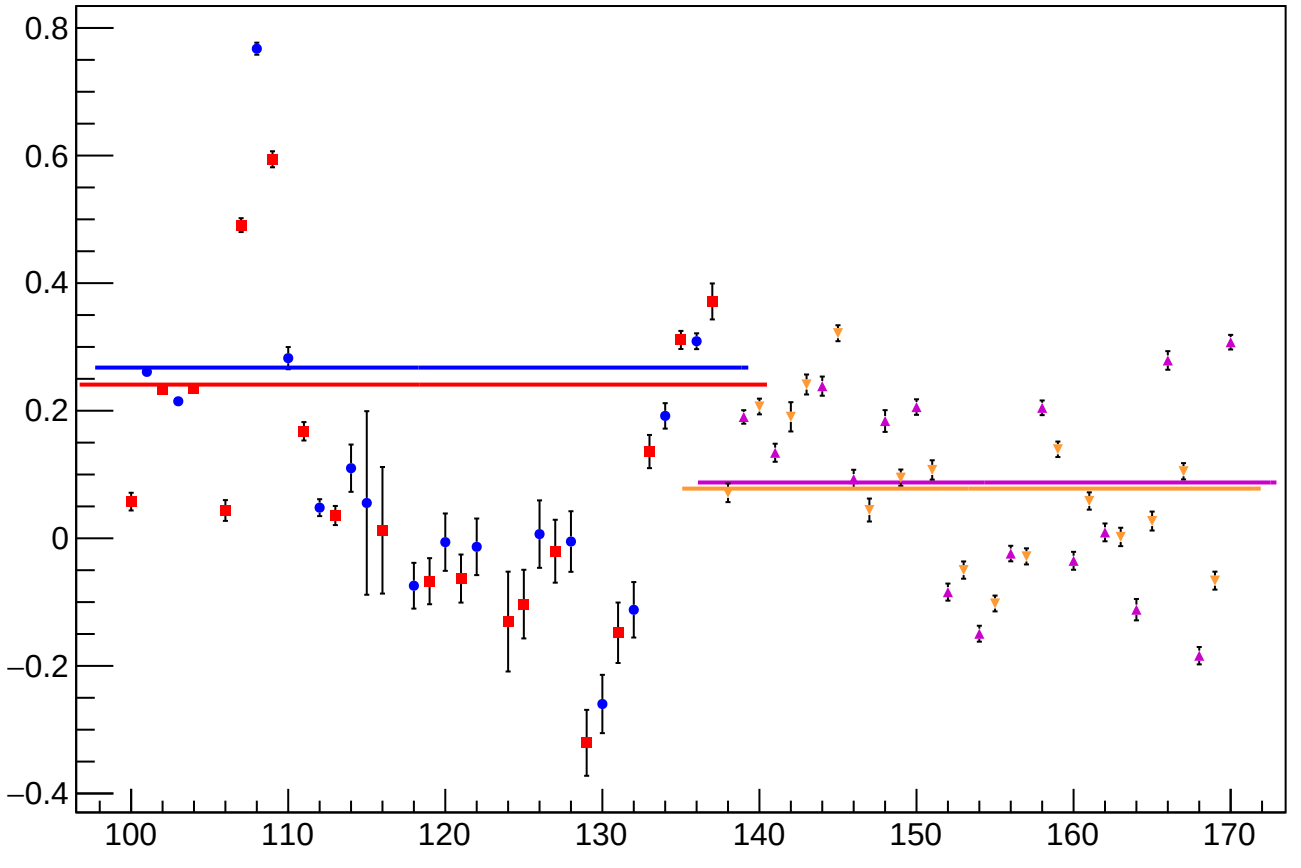
Left: 51.149+/-0.053 χ^2/NDF: 2408.7/32

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 30.038+/-0.051 χ^2/NDF:248522.0/31

Out: 29.755+/-0.050 χ^2/NDF:273018.3/35

All: 29.895+/-0.036 χ^2/NDF: 521556.1/67



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.078+/-0.003 χ^2/NDF:1177.1/16

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.088+/-0.003 χ^2/NDF:2232.1/15

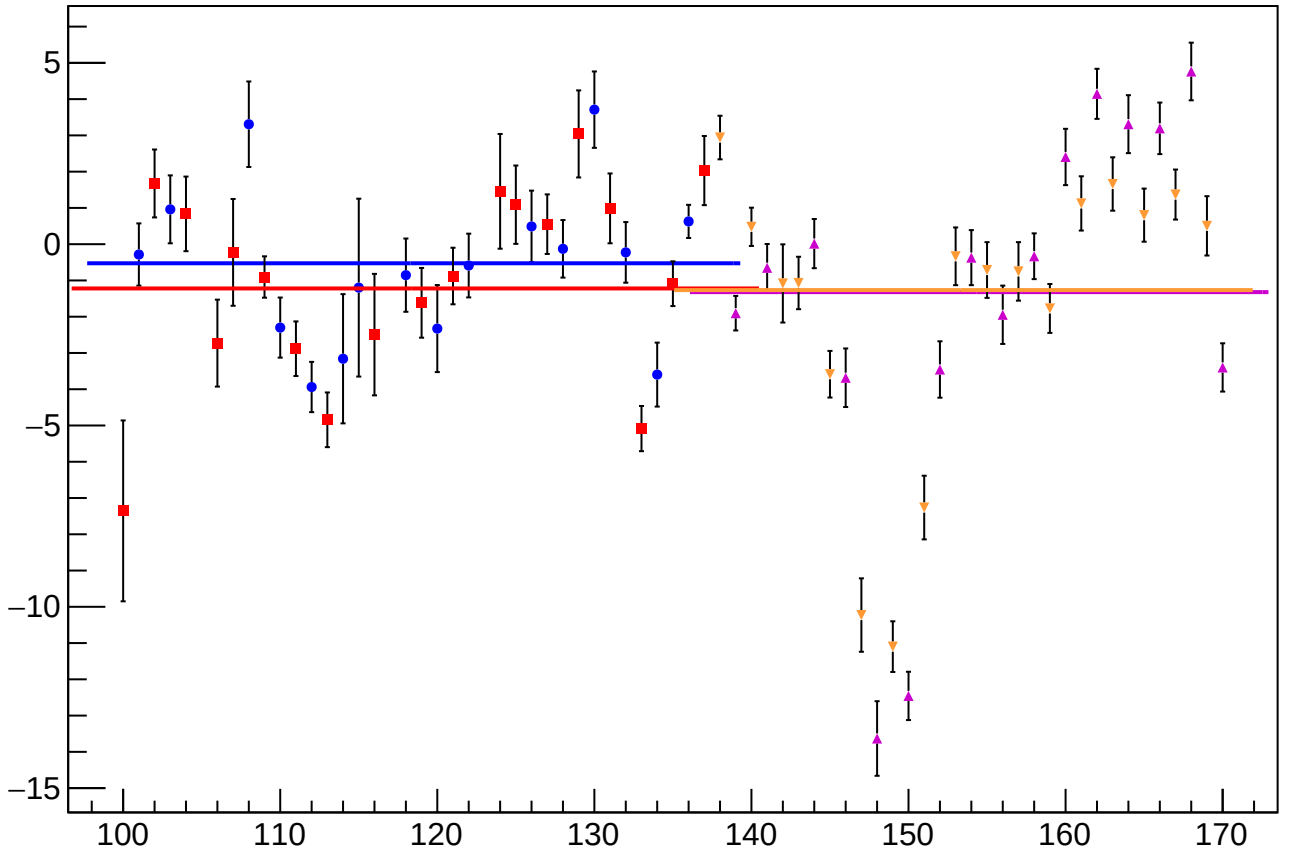
Left: 0.083+/-0.002 χ^2/NDF: 3413.3/32

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.193+/-0.002 χ^2/NDF:7678.5/31

Out: 0.176+/-0.002 χ^2/NDF:4923.8/35

All: 0.184+/-0.002 χ^2/NDF: 12634.2/67



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.266+/-0.177 χ^2/NDF:452.1/16

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.322+/-0.176 χ^2/NDF:677.7/15

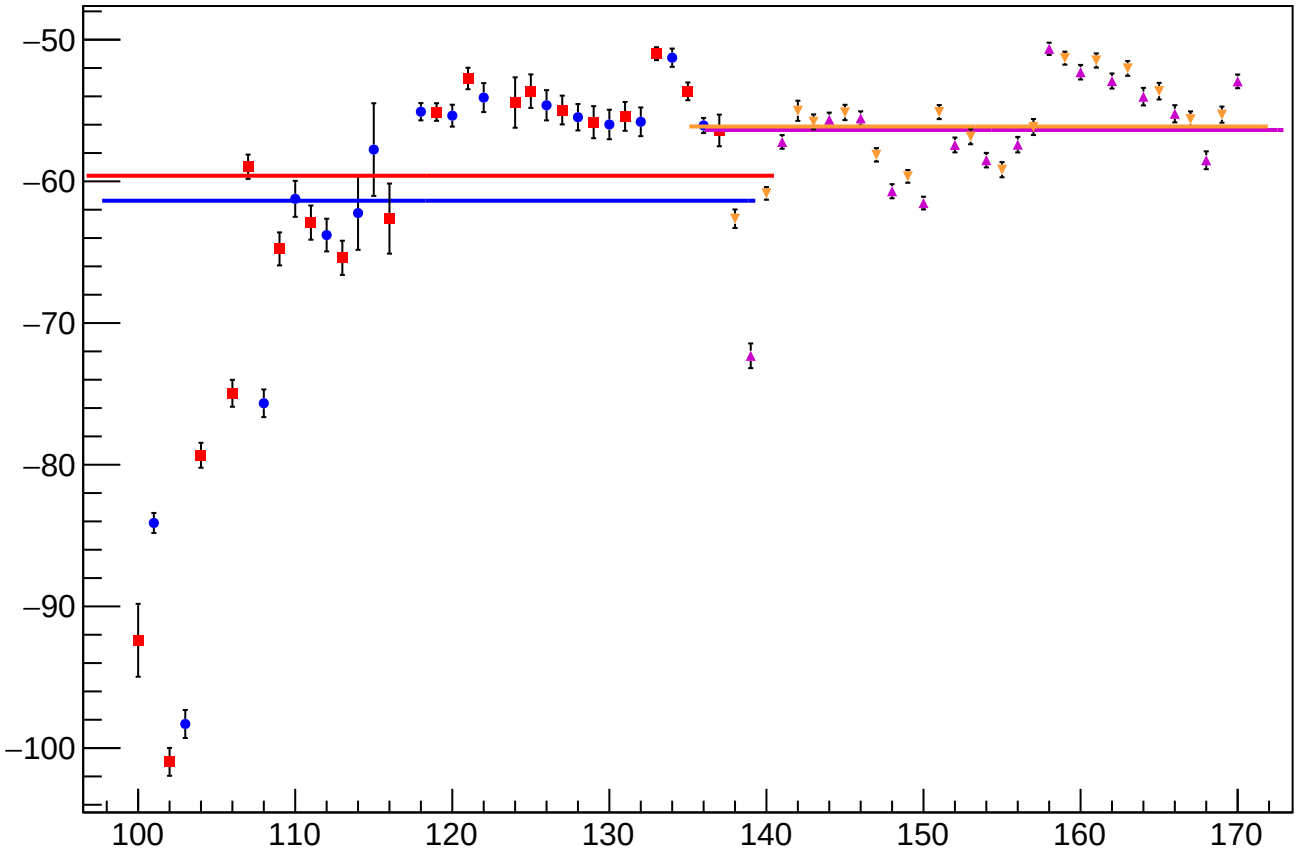
Left: -1.294+/-0.125 χ^2/NDF: 1129.8/32

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.006+/-0.137 χ^2/NDF:768.5/31

Out: -1.247+/-0.134 χ^2/NDF:583.1/35

All: -1.129+/-0.096 χ^2/NDF: 1353.1/67



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.127+/-0.128 χ^2/NDF:612.0/16

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.372+/-0.131 χ^2/NDF:933.2/15

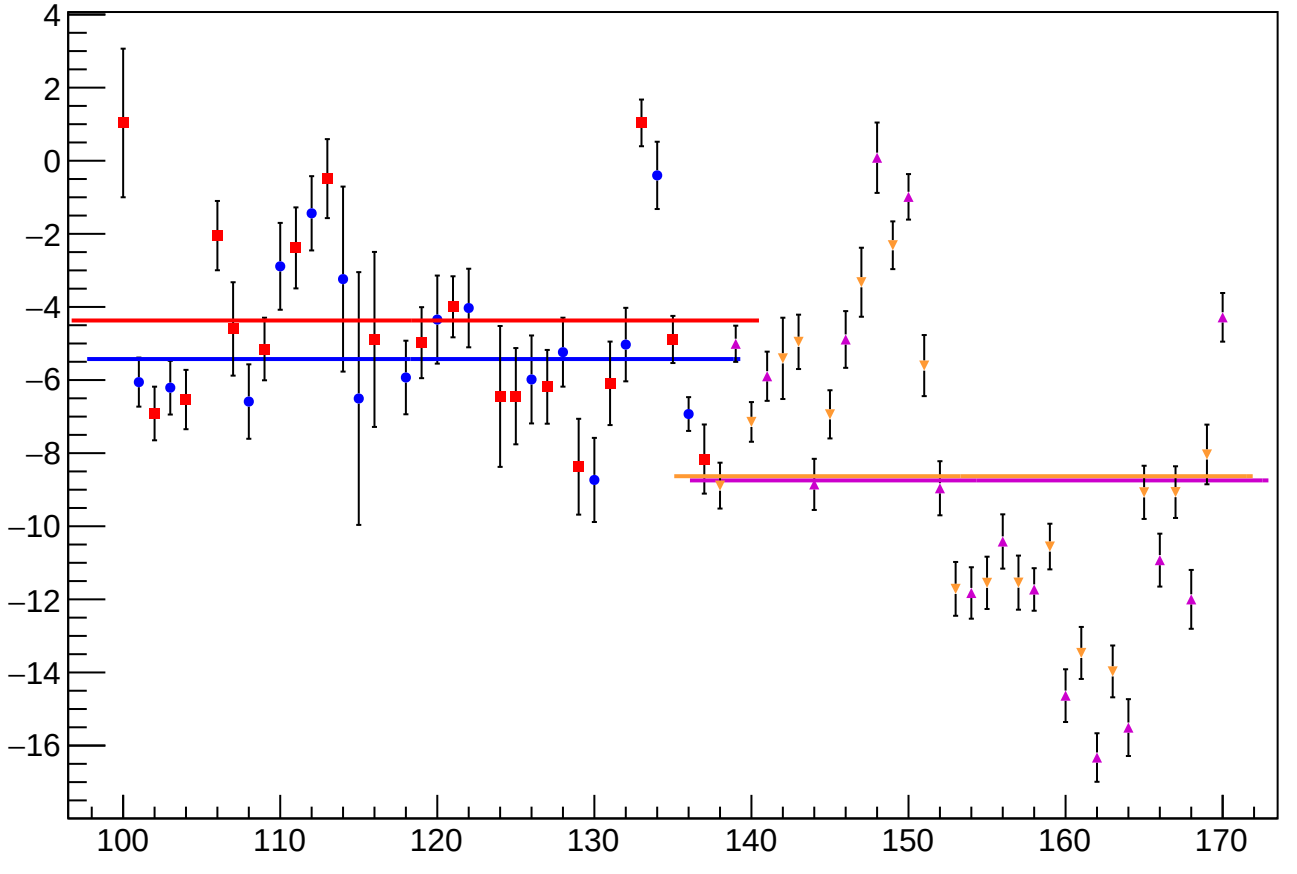
Left: -56.246+/-0.092 χ^2/NDF: 1547.0/32

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.693+/-0.113 χ^2/NDF:4667.0/31

Out: -57.087+/-0.109 χ^2/NDF:4237.9/35

All: -57.379+/-0.078 χ^2/NDF: 8919.9/67



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.631+/-0.173 χ^2/NDF:348.7/16

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.746+/-0.172 χ^2/NDF:732.4/15

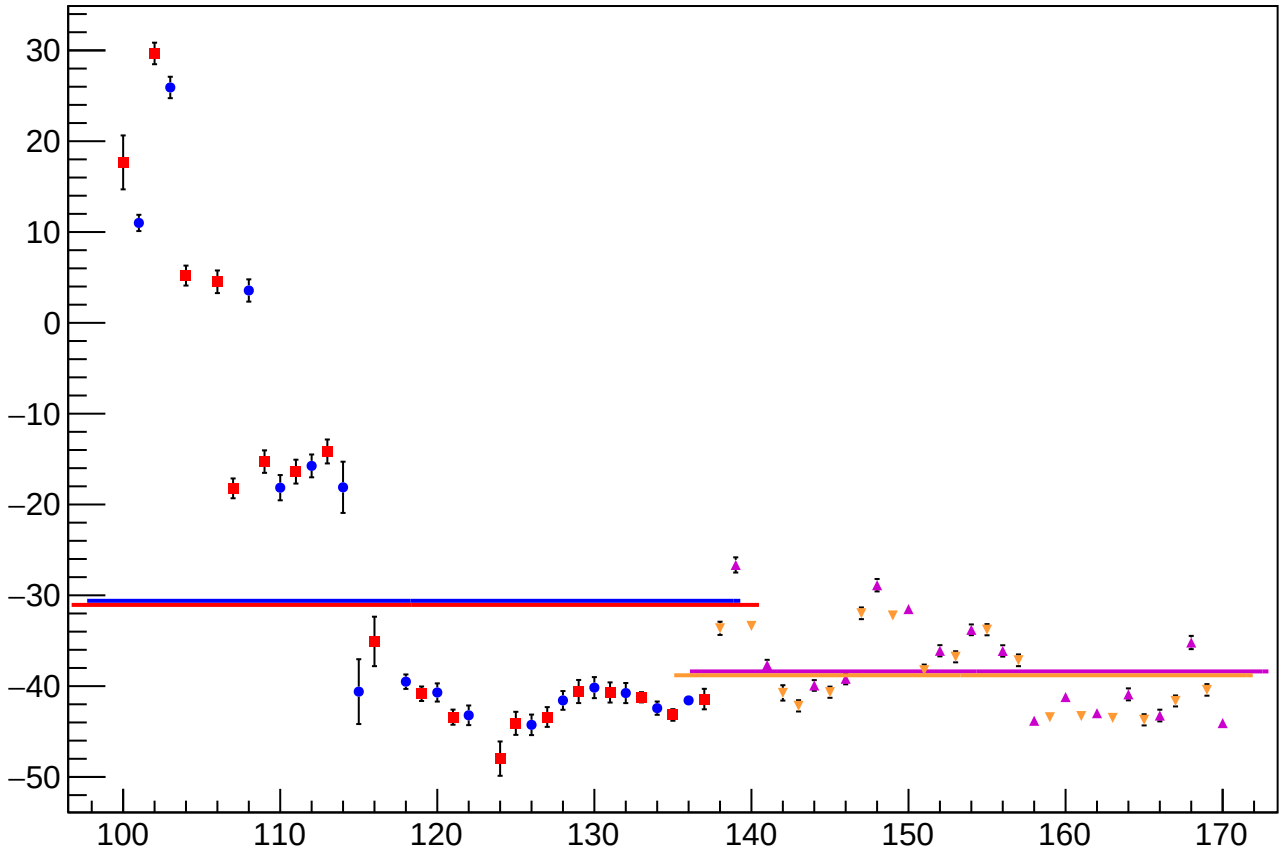
Left: -8.689+/-0.122 χ^2/NDF: 1081.3/32

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.554+/-0.138 χ^2/NDF:942.1/31

Out: -7.022+/-0.137 χ^2/NDF:733.4/35

All: -7.286+/-0.097 χ^2/NDF: 1683.0/67



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.806+/-0.146 χ^2/NDF:870.3/16

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.380+/-0.148 χ^2/NDF:1106.4/15

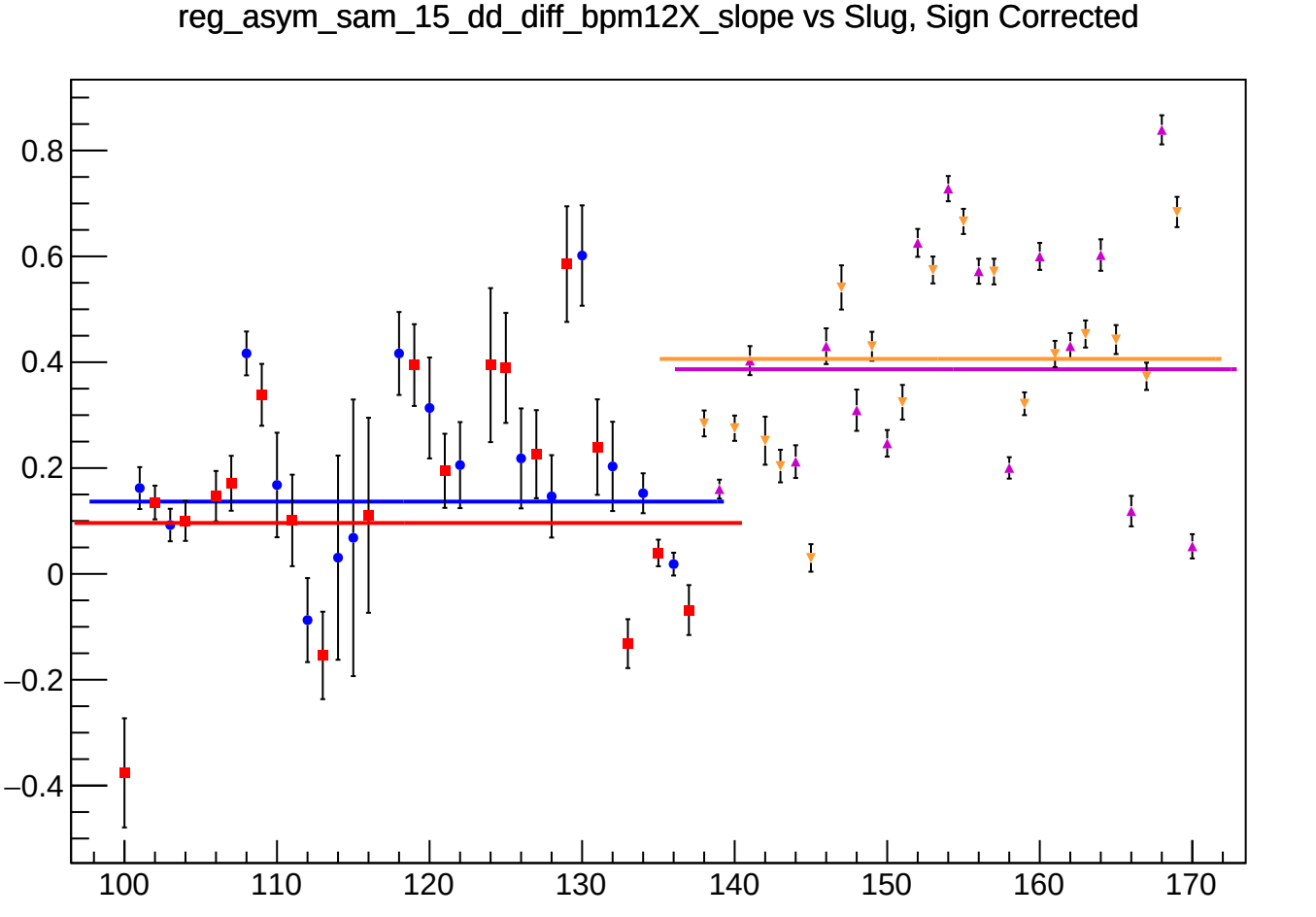
Left: -38.596+/-0.104 χ^2/NDF: 1980.9/32

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.350+/-0.127 χ^2/NDF:8762.6/31

Out: -36.688+/-0.124 χ^2/NDF:8618.7/35

All: -36.523+/-0.089 χ^2/NDF: 17384.9/67



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.406+/-0.007 χ^2/NDF:662.0/16

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.387+/-0.006 χ^2/NDF:1355.5/15

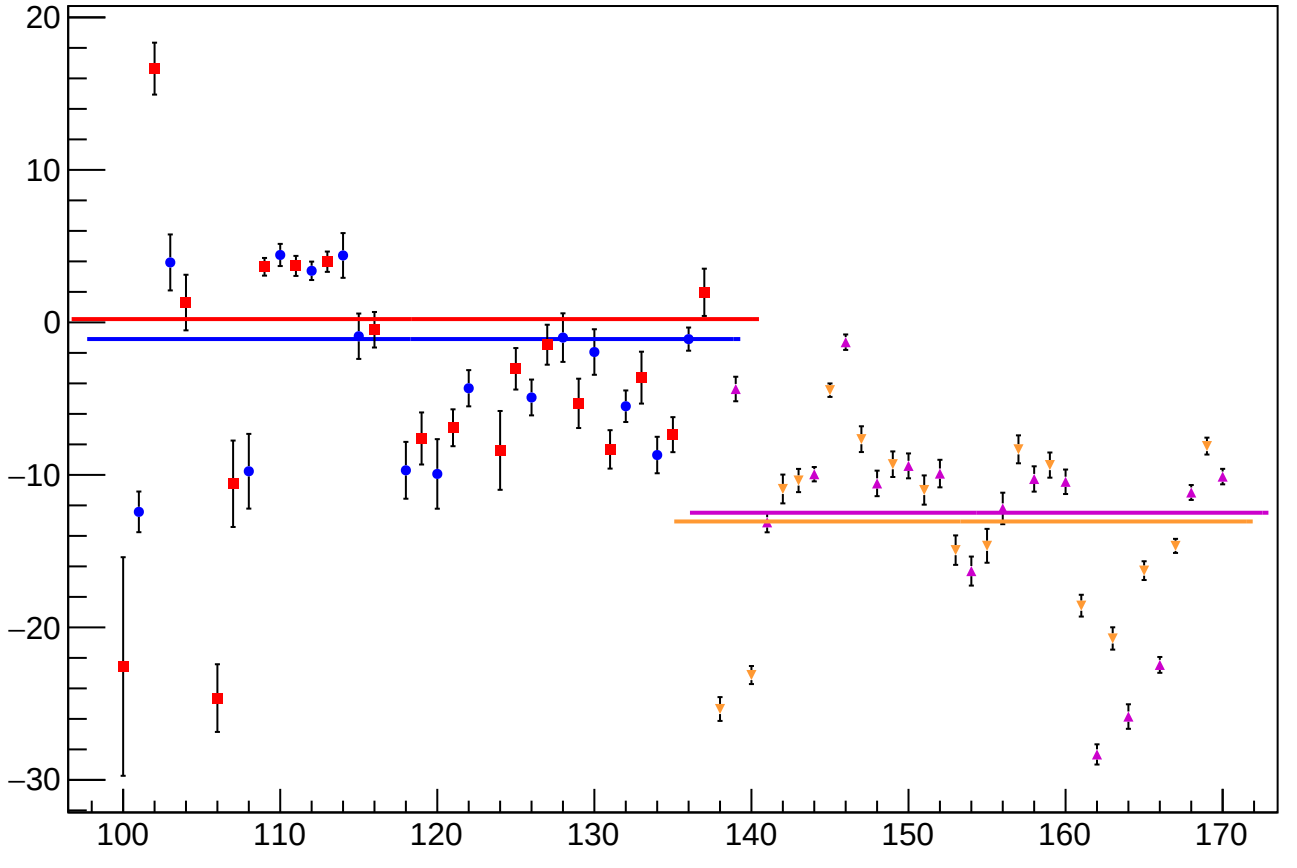
Left: 0.396+/-0.005 χ^2/NDF: 2022.1/32

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.335+/-0.006 χ^2/NDF:1802.8/31

Out: 0.339+/-0.006 χ^2/NDF:1303.5/35

All: 0.337+/-0.004 χ^2/NDF: 3106.5/67



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.054+/-0.168 χ^2/NDF:1340.8/16

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.481+/-0.164 χ^2/NDF:1921.3/15

Left: -12.761+/-0.118 χ^2/NDF: 3268.1/32

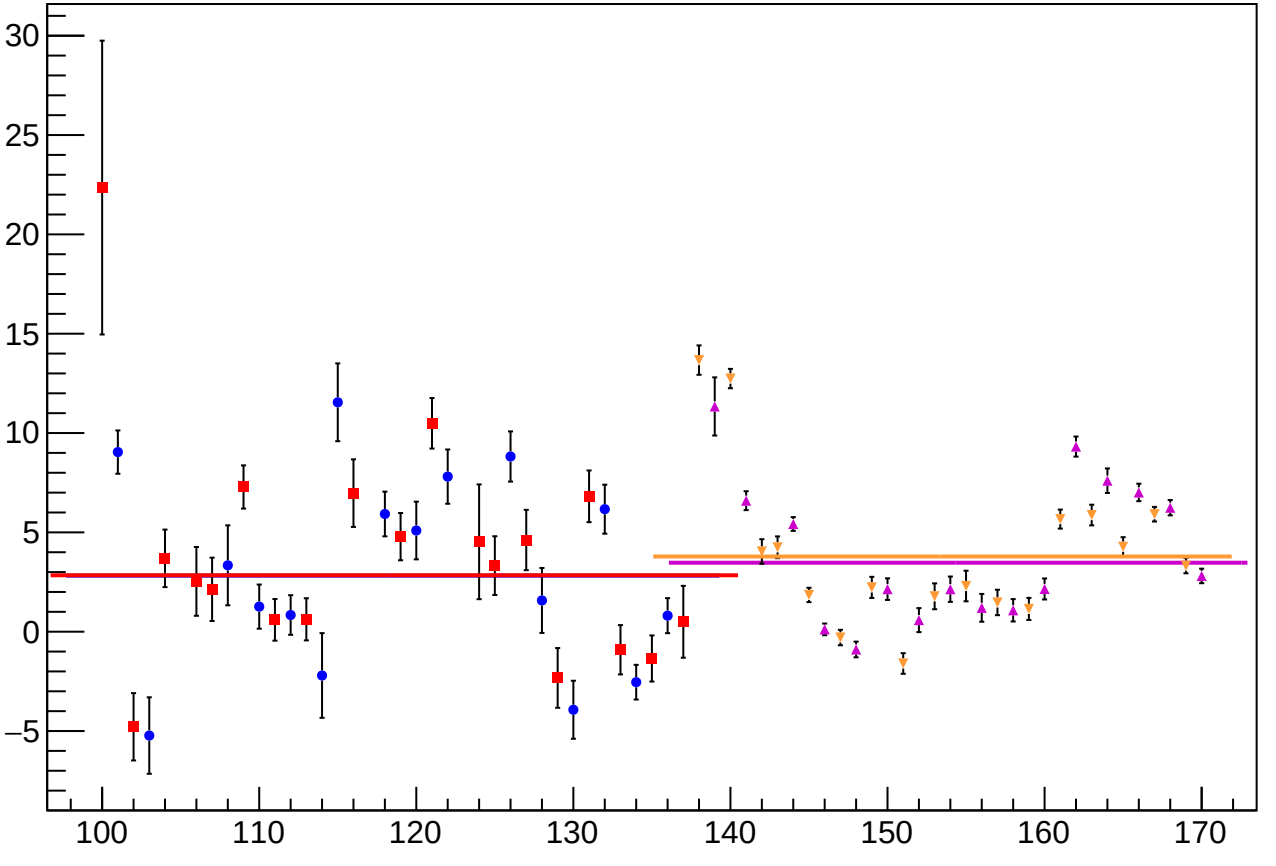
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.573+/-0.142 χ^2/NDF:3480.2/31

Out: -9.265+/-0.142 χ^2/NDF:3637.3/35

All: -9.420+/-0.100 χ^2/NDF: 7119.9/67

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.785+/-0.120 χ^2/NDF:890.8/16

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.472+/-0.116 χ^2/NDF:721.8/15

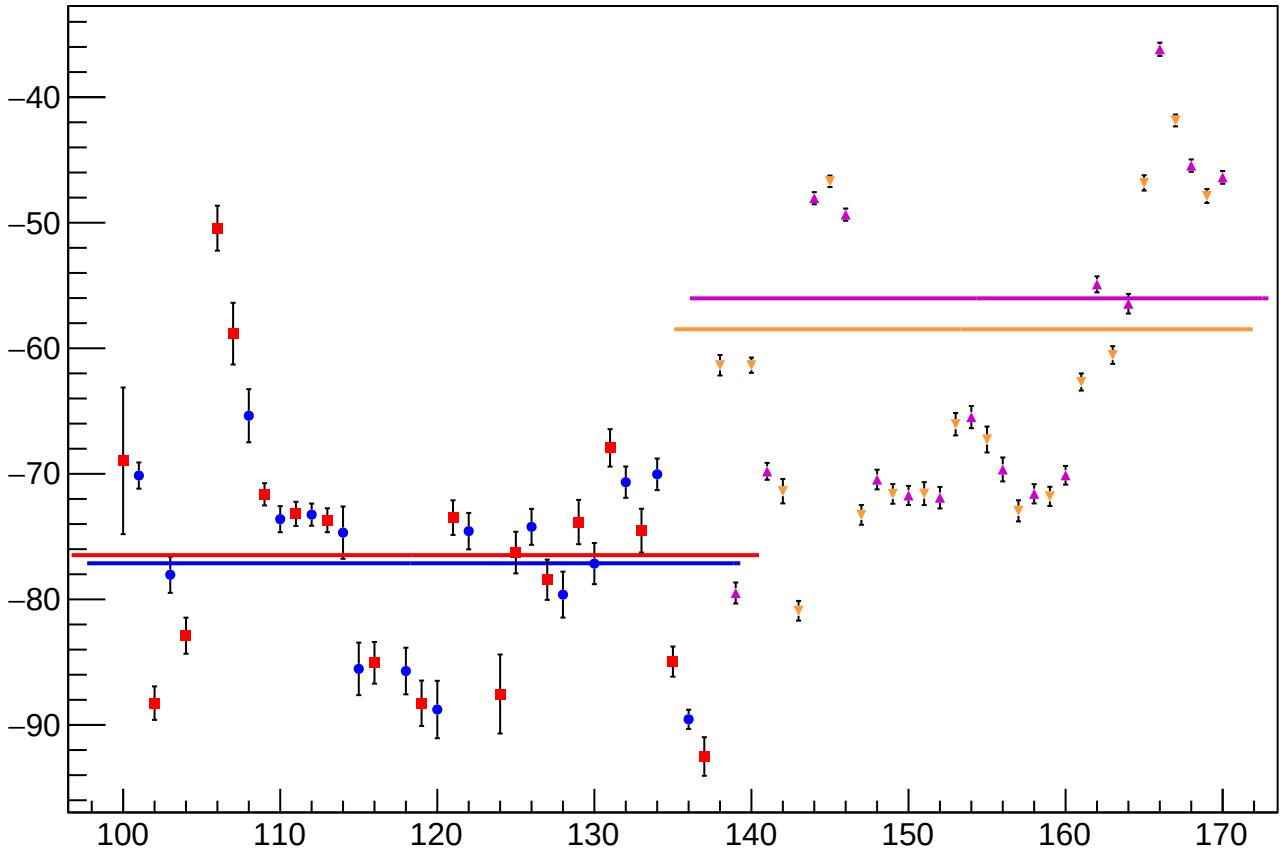
Left: 3.624+/-0.083 χ^2/NDF: 1616.1/32

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.394+/-0.109 χ^2/NDF:925.2/31

Out: 3.670+/-0.112 χ^2/NDF:1043.3/35

All: 3.528+/-0.078 χ^2/NDF: 1971.6/67



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -58.484+/-0.167 χ^2/NDF:5292.0/16

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -56.022+/-0.162 χ^2/NDF:6077.8/15

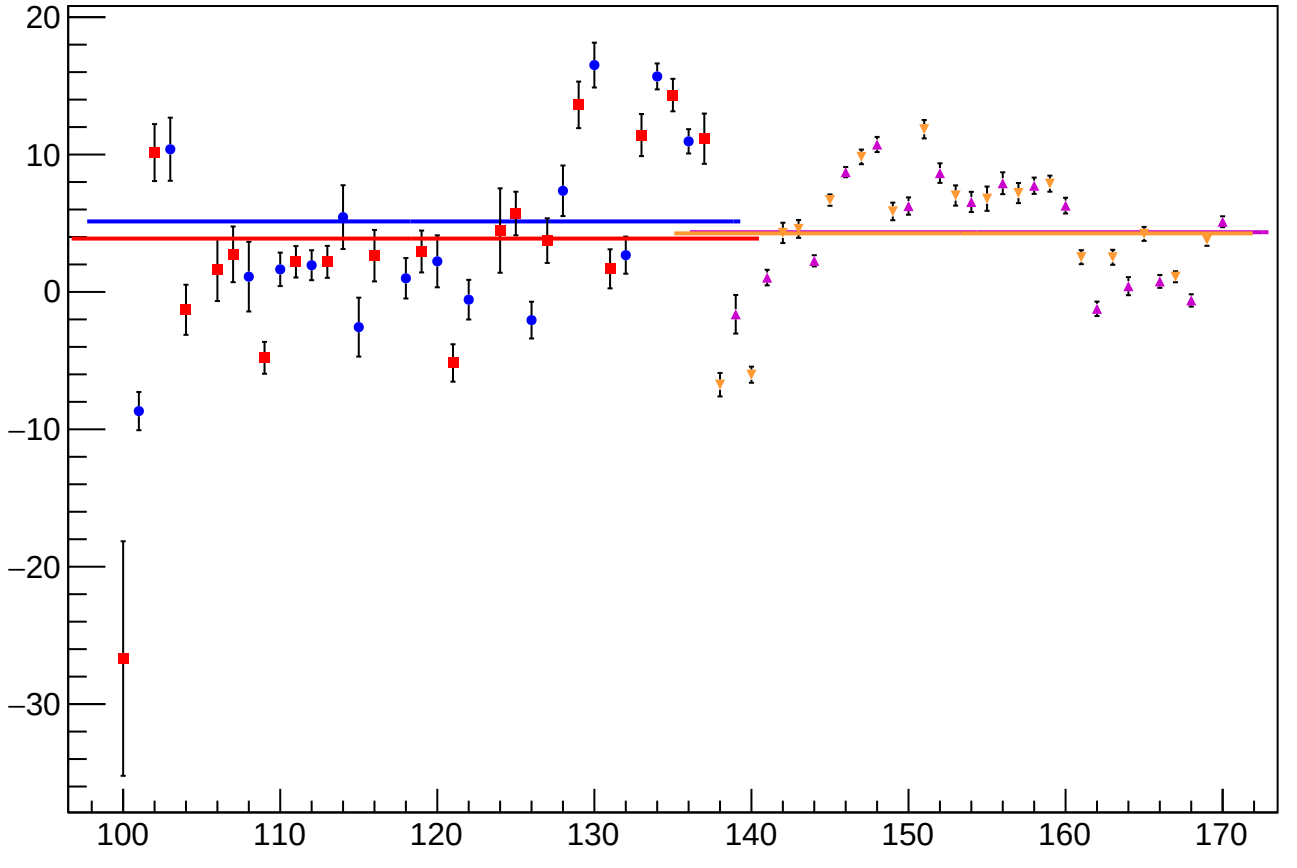
Left: -57.216+/-0.116 χ^2/NDF: 11482.3/32

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -60.180+/-0.145 χ^2/NDF:9939.2/31

Out: -62.165+/-0.149 χ^2/NDF:8373.7/35

All: -61.147+/-0.104 χ^2/NDF: 18404.4/67



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.262+/-0.137 χ^2/NDF:913.1/16

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.348+/-0.134 χ^2/NDF:801.4/15

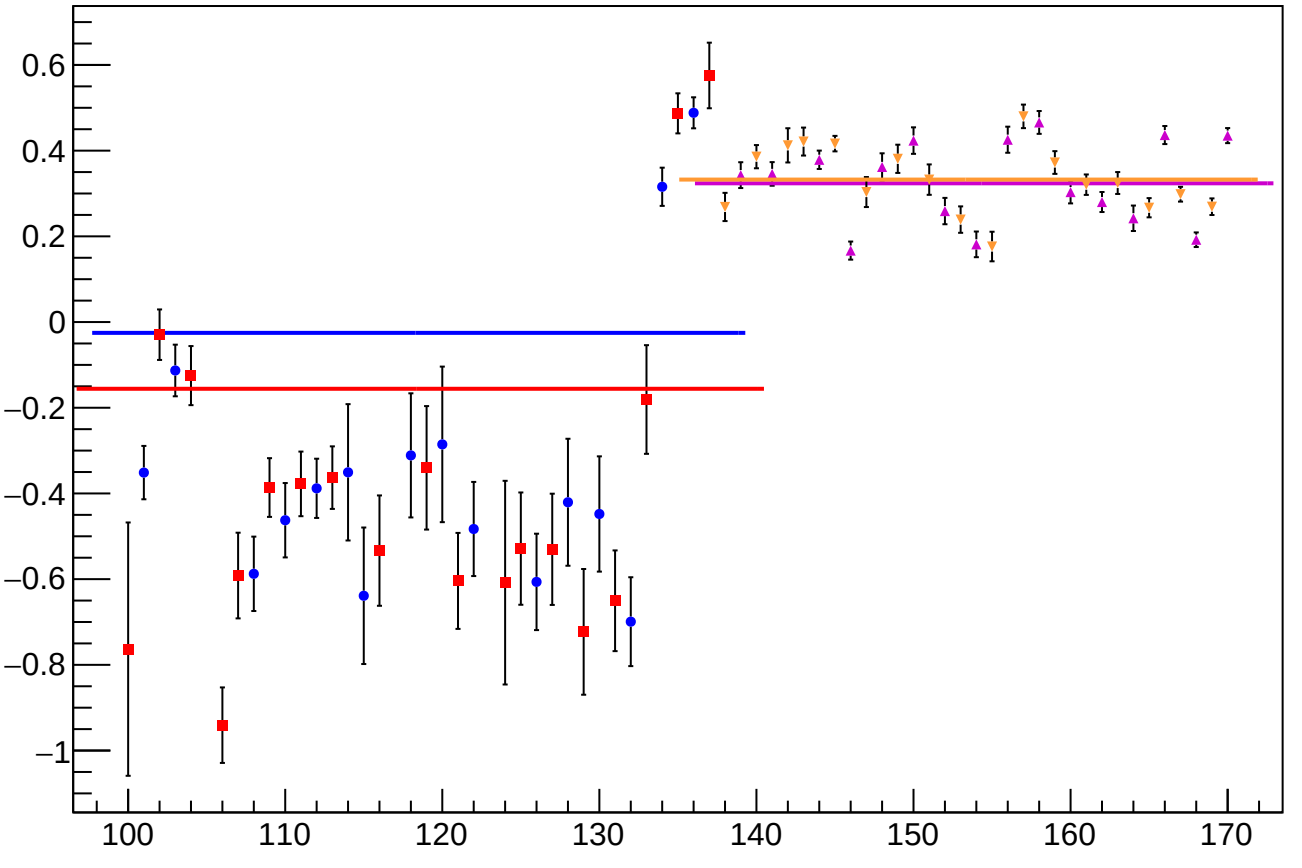
Left: 4.306+/-0.096 χ^2/NDF: 1714.7/32

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.448+/-0.125 χ^2/NDF:1218.1/31

Out: 4.215+/-0.128 χ^2/NDF:1205.5/35

All: 4.334+/-0.090 χ^2/NDF: 2425.3/67



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.332+/-0.006 χ^2/NDF:127.7/16

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.324+/-0.006 χ^2/NDF:281.4/15

Left: 0.328+/-0.004 χ^2/NDF: 410.1/32

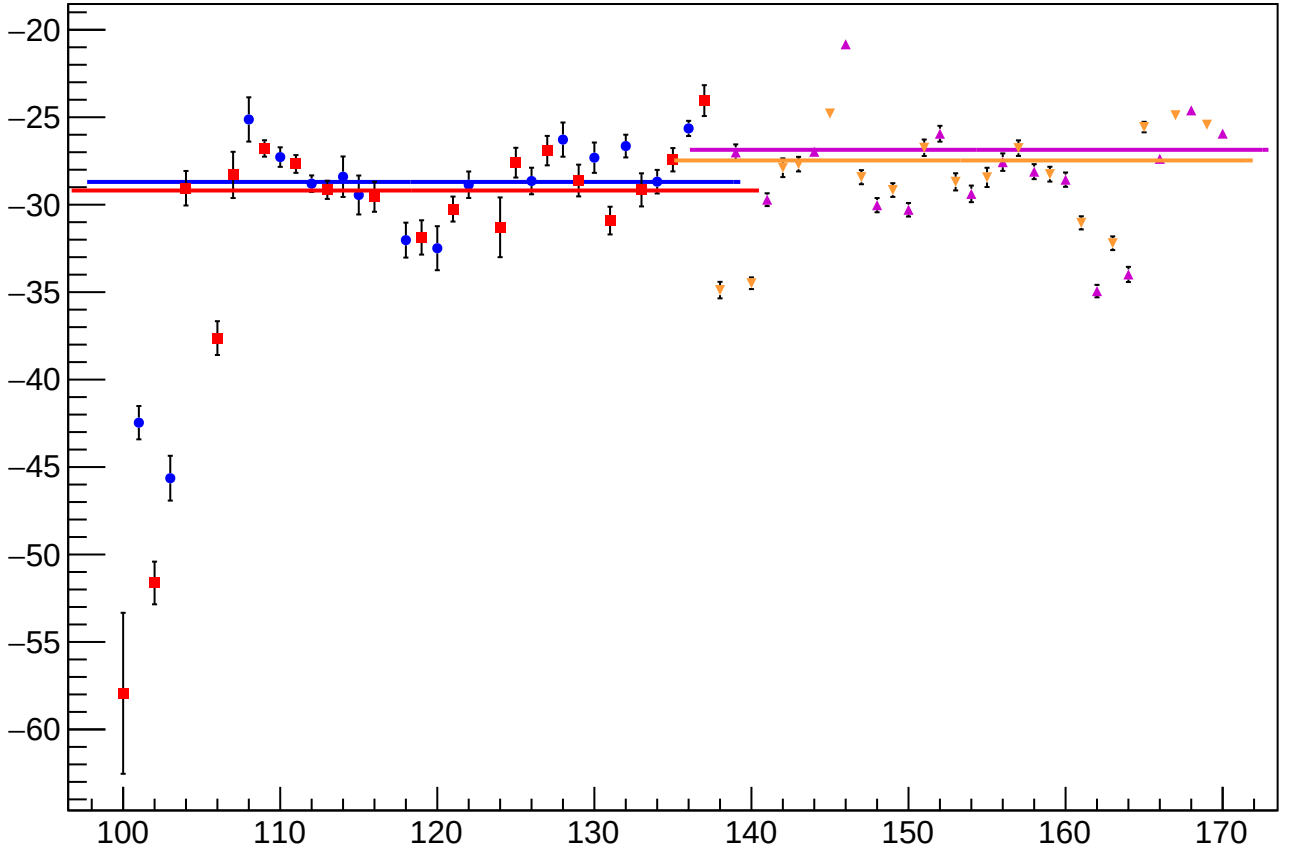
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.291+/-0.006 χ^2/NDF:1101.4/31

Out: 0.290+/-0.006 χ^2/NDF:1154.8/35

All: 0.290+/-0.004 χ^2/NDF: 2256.3/67

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.470+/-0.083 χ^2/NDF:1397.6/16

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.862+/-0.078 χ^2/NDF:2015.3/15

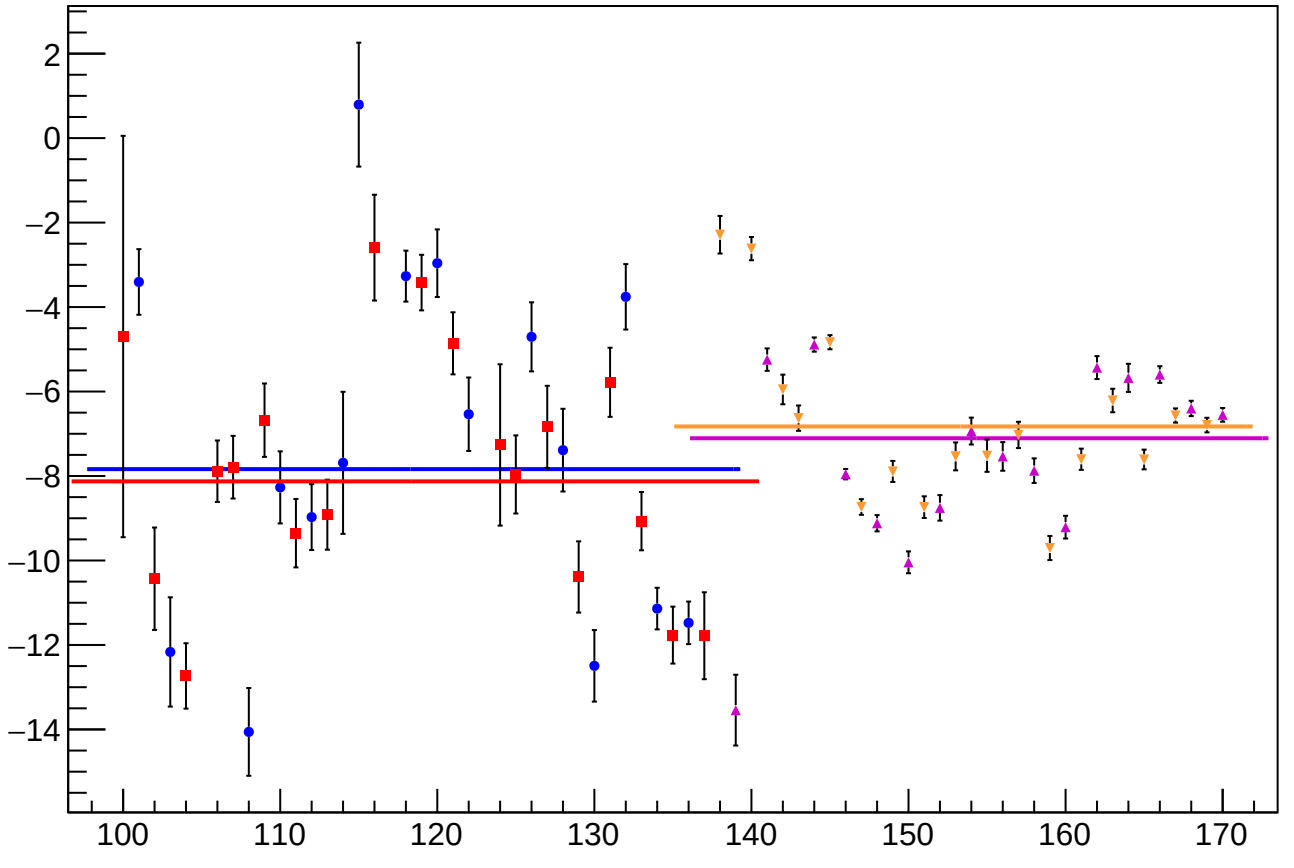
Left: -27.149+/-0.057 χ^2/NDF: 3441.2/32

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.140+/-0.072 χ^2/NDF:2585.4/31

Out: -27.767+/-0.075 χ^2/NDF:2029.4/35

All: -27.440+/-0.052 χ^2/NDF: 4650.9/67



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.827+/-0.059 χ^2/NDF:804.6/16

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.106+/-0.055 χ^2/NDF:809.2/15

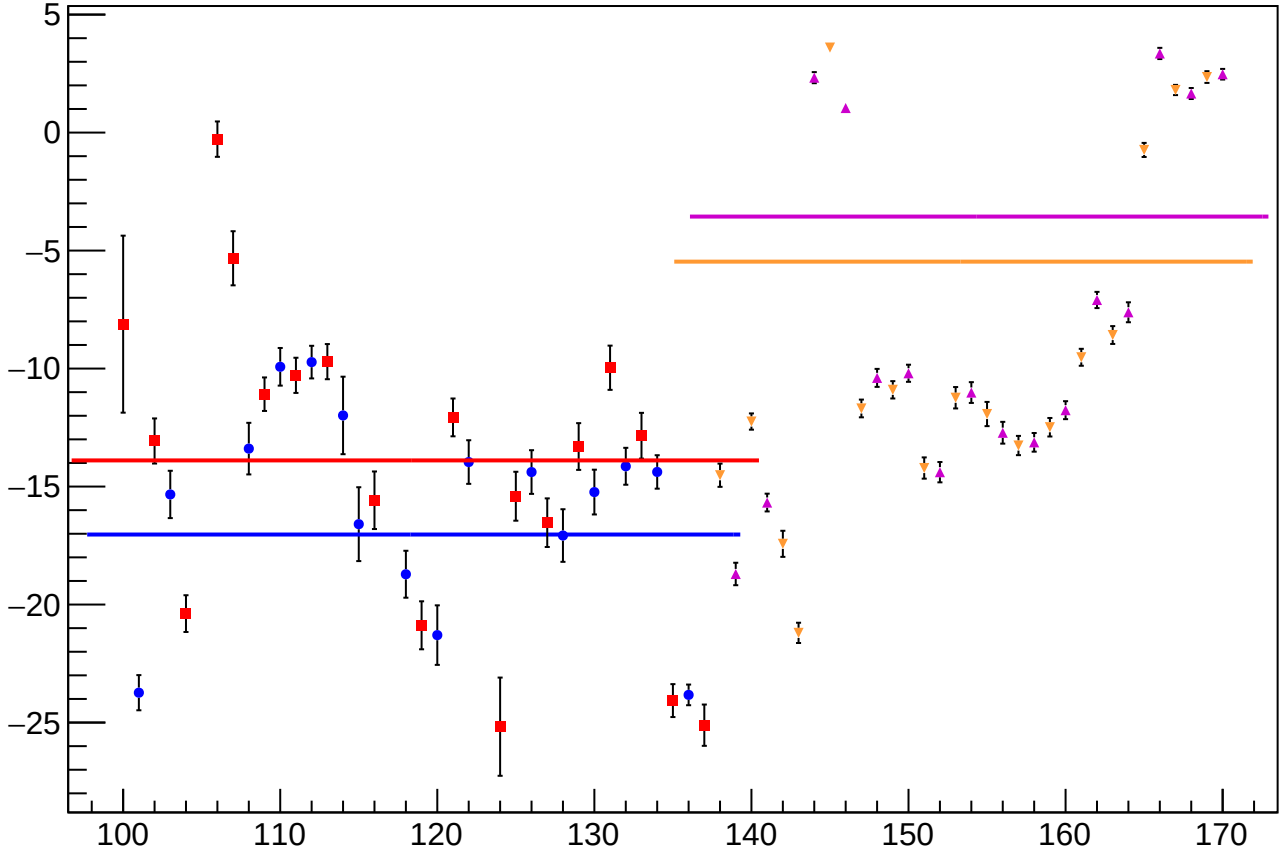
Left: -6.976+/-0.040 χ^2/NDF: 1625.8/32

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.160+/-0.053 χ^2/NDF:1205.4/31

Out: -6.934+/-0.056 χ^2/NDF:1042.0/35

All: -7.054+/-0.039 χ^2/NDF: 2256.0/67



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -5.469+/-0.082 χ^2/NDF:8878.6/16

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -3.559+/-0.077 χ^2/NDF:8496.4/15

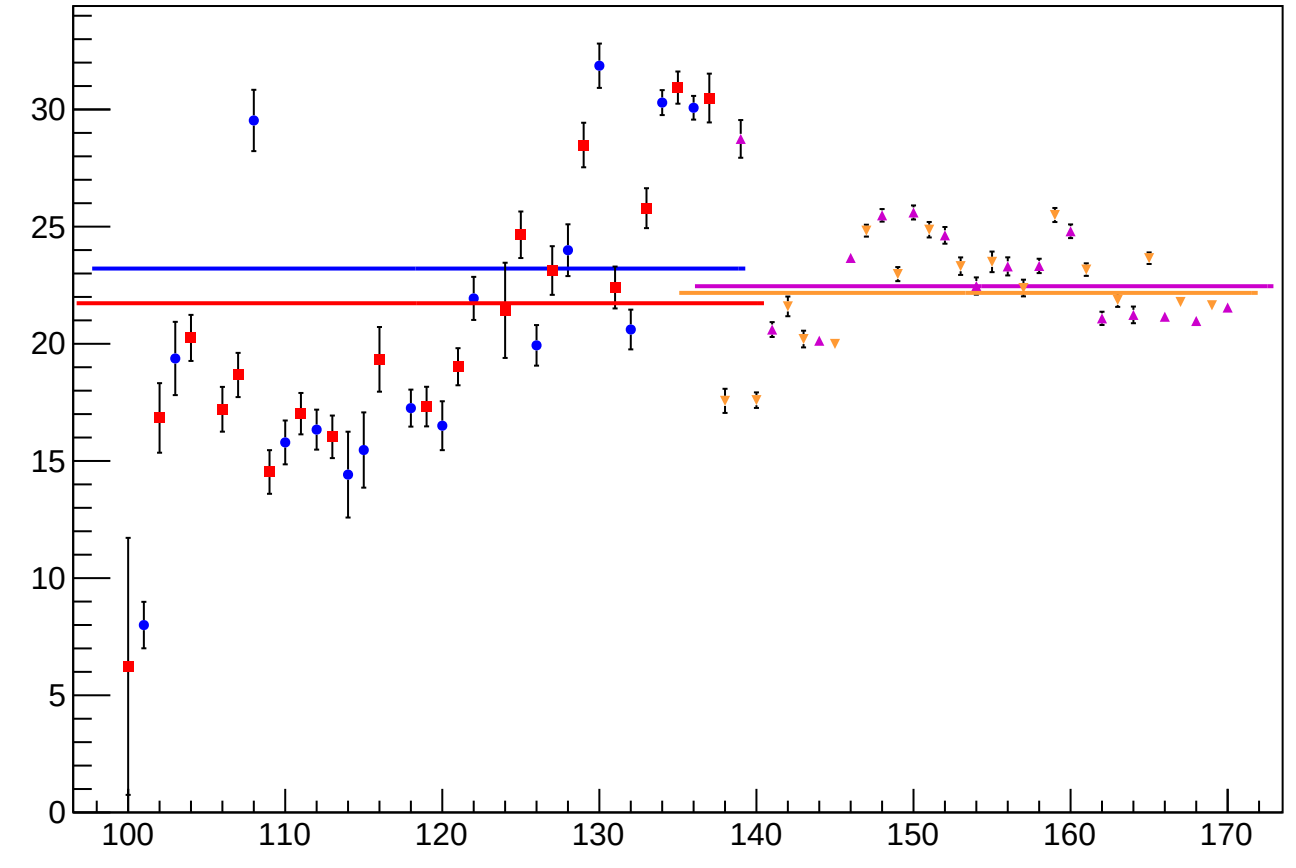
Left: -4.455+/-0.056 χ^2/NDF: 17662.3/32

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -5.171+/-0.072 χ^2/NDF:12743.4/31

Out: -6.591+/-0.076 χ^2/NDF:11299.5/35

All: -5.843+/-0.053 χ^2/NDF: 24224.9/67



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.173+/-0.068 χ^2/NDF:819.4/16

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.458+/-0.064 χ^2/NDF:797.4/15

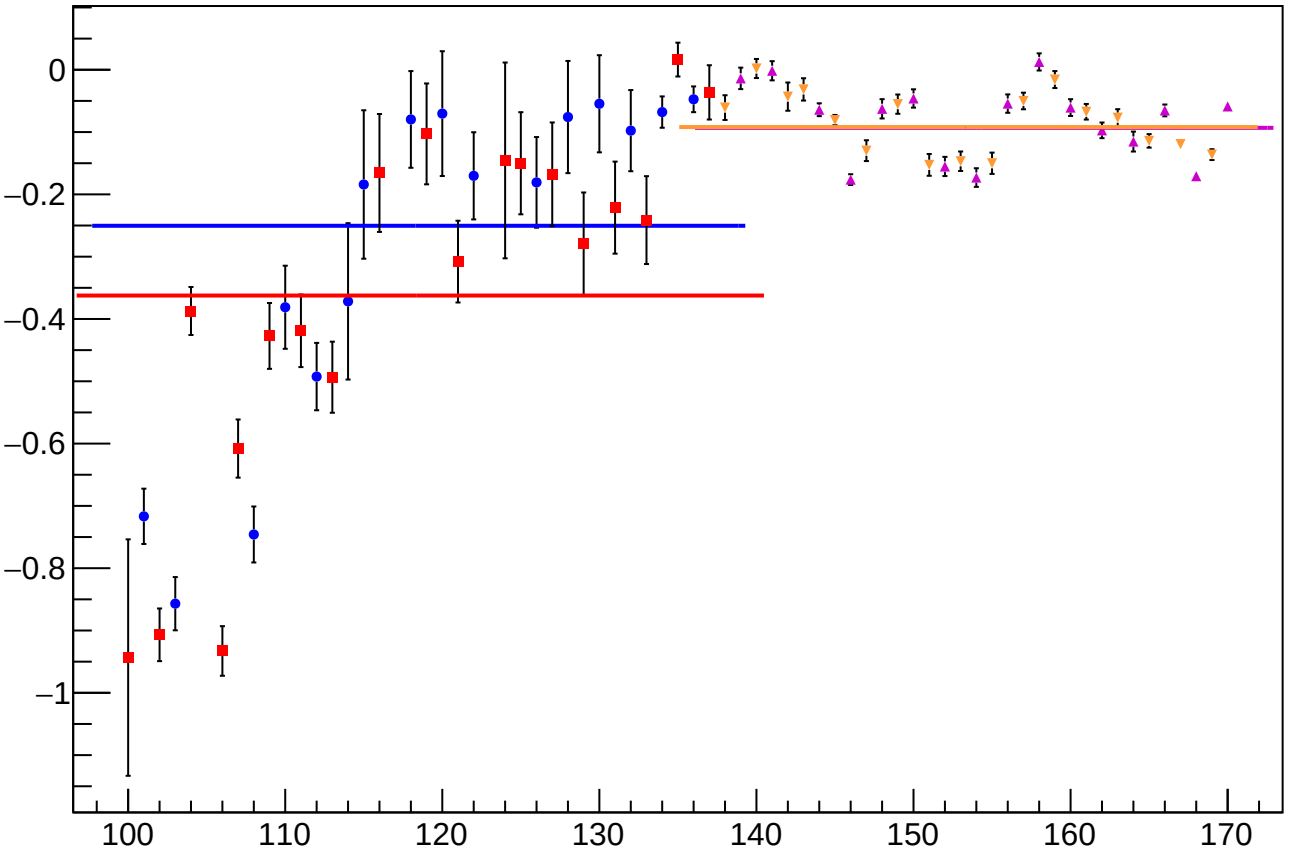
Left: 22.324+/-0.046 χ^2/NDF: 1626.1/32

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.517+/-0.061 χ^2/NDF:1816.6/31

Out: 22.136+/-0.065 χ^2/NDF:1381.1/35

All: 22.337+/-0.044 χ^2/NDF: 3216.0/67



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.092+/-0.003 χ^2/NDF:193.0/16

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.093+/-0.003 χ^2/NDF:412.9/15

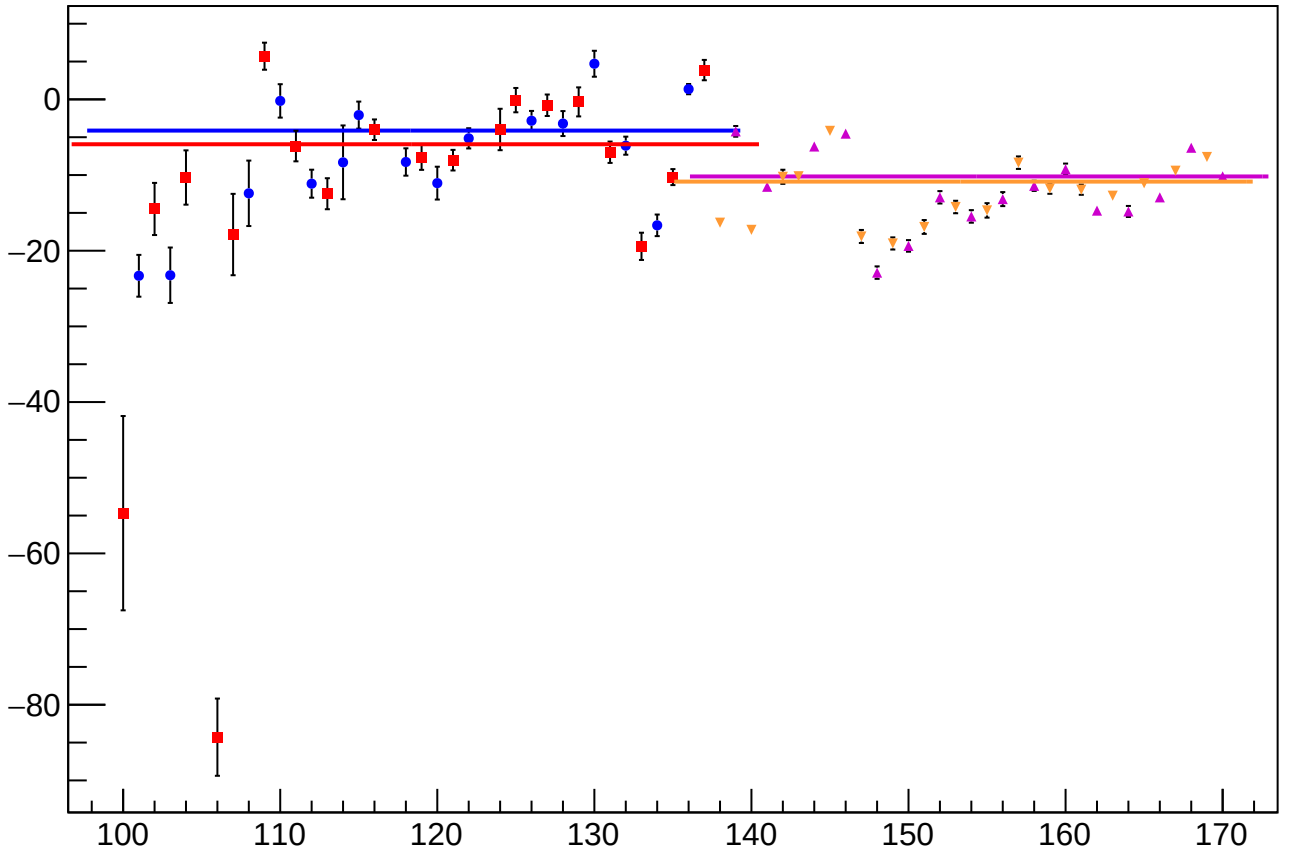
Left: -0.093+/-0.002 χ^2/NDF: 605.9/32

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.003 χ^2/NDF:1217.4/31

Out: -0.108+/-0.003 χ^2/NDF:1348.7/35

All: -0.105+/-0.002 χ^2/NDF: 2567.8/67



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.865+/-0.147 χ^2/NDF:869.0/16

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.186+/-0.142 χ^2/NDF:1024.4/15

Left: -10.516+/-0.102 χ^2/NDF: 1904.4/32

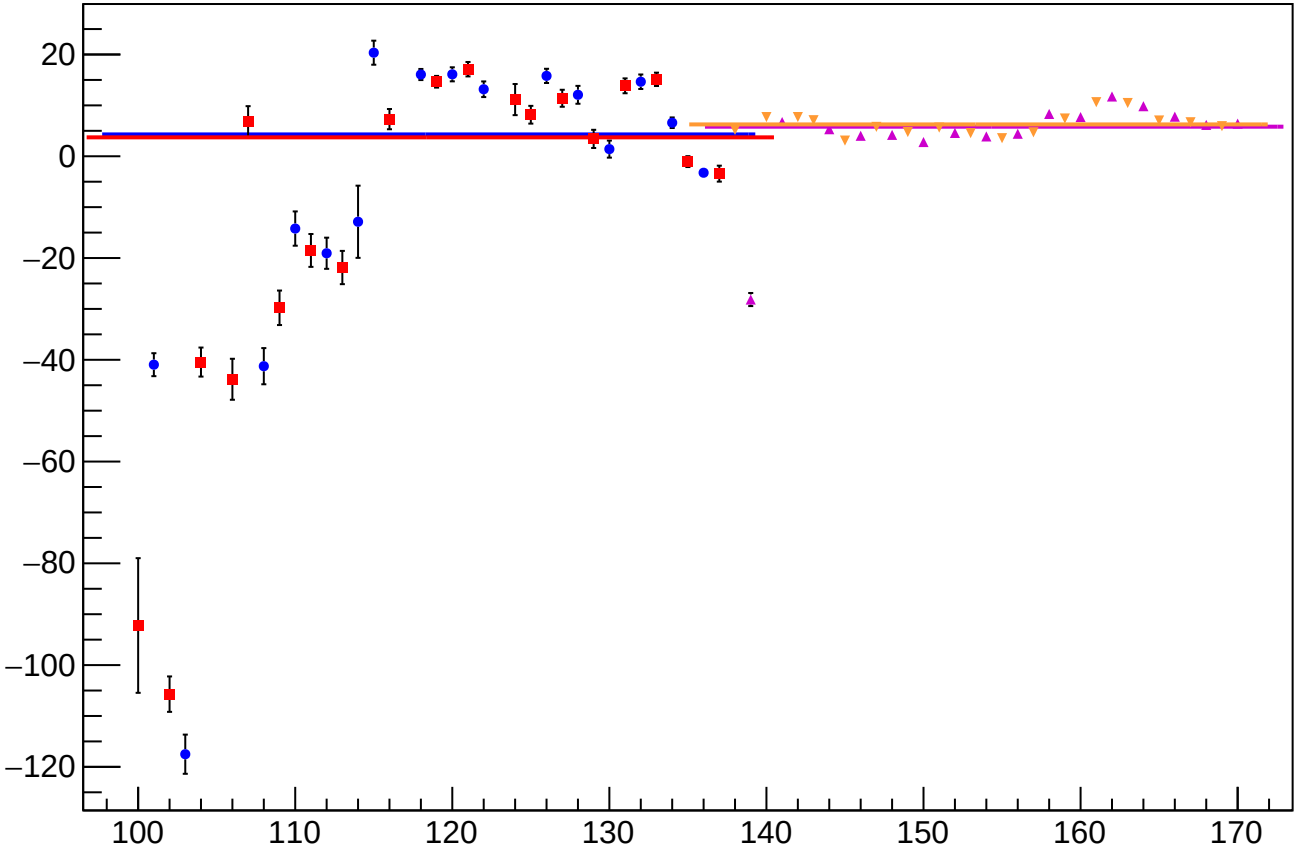
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.445+/-0.133 χ^2/NDF:1533.7/31

Out: -10.300+/-0.138 χ^2/NDF:1481.3/35

All: -9.858+/-0.096 χ^2/NDF: 3034.8/67

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: 6.259+/-0.106 χ^2/NDF:368.9/16

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.813+/-0.102 χ^2/NDF:1128.5/15

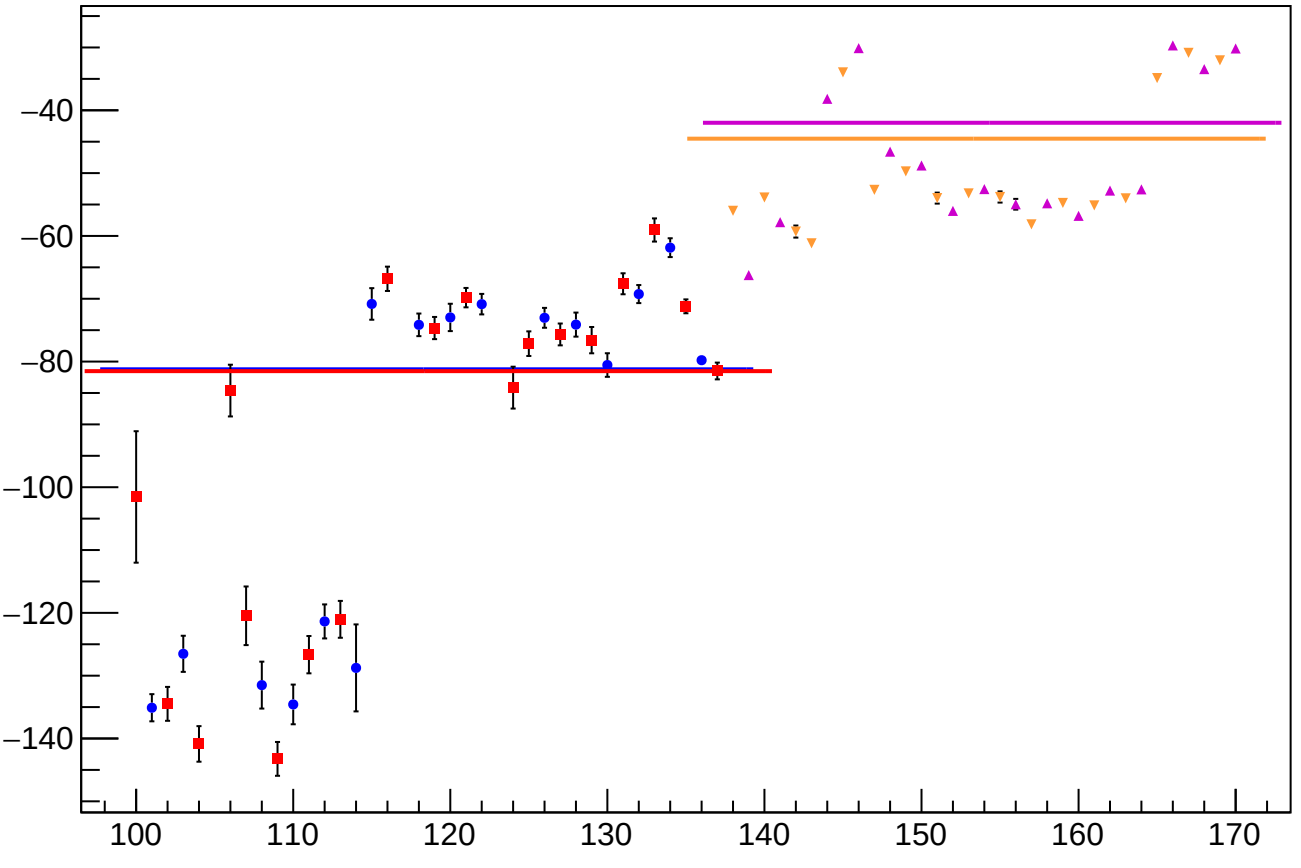
Left: 6.028+/-0.073 χ^2/NDF: 1506.7/32

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

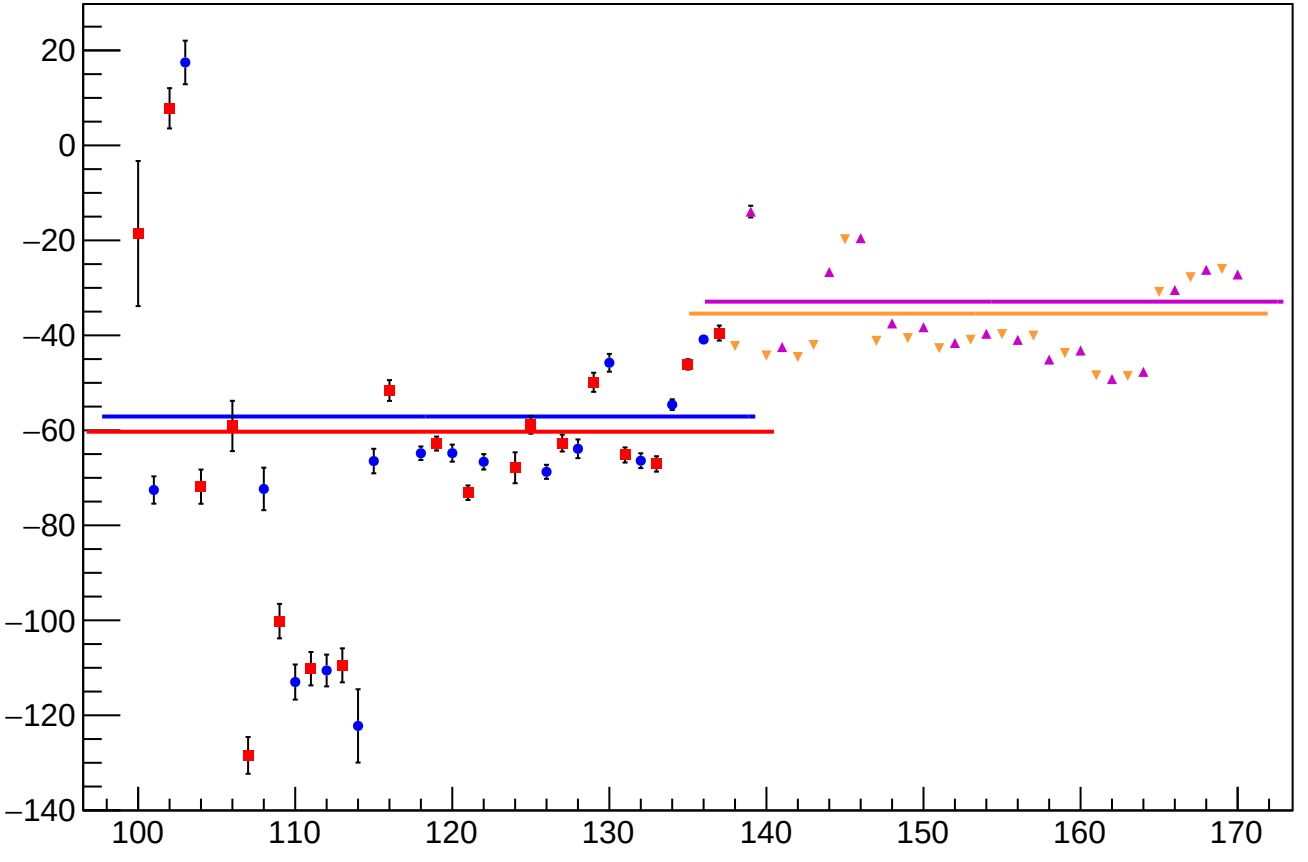
In: 5.714+/-0.098 χ^2/NDF:3312.2/31

Out: 6.109+/-0.102 χ^2/NDF:2410.2/35

All: 5.904+/-0.071 χ^2/NDF: 5730.2/67


reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -81.231+/-0.417 χ²/NDF: 1971.1/15
Left Out: -44.517+/-0.146 χ²/NDF:6021.8/16
Right Out: -81.523+/-0.462 χ²/NDF: 2293.2/18
Left In: -41.987+/-0.140 χ²/NDF:7031.8/15
Left: -43.205+/-0.101 χ²/NDF: 13210.3/32
Right: -81.362+/-0.309 χ²/NDF: 4264.5/34
In: -45.978+/-0.133 χ²/NDF:16965.3/31
Out: -47.862+/-0.139 χ²/NDF:14161.0/35
All: -46.880+/-0.096 χ²/NDF: 31222.4/67

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.422+/-0.120 χ^2/NDF:6261.3/16

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -32.902+/-0.117 χ^2/NDF:6742.9/15

Left: -34.122+/-0.084 χ^2/NDF: 13230.3/32

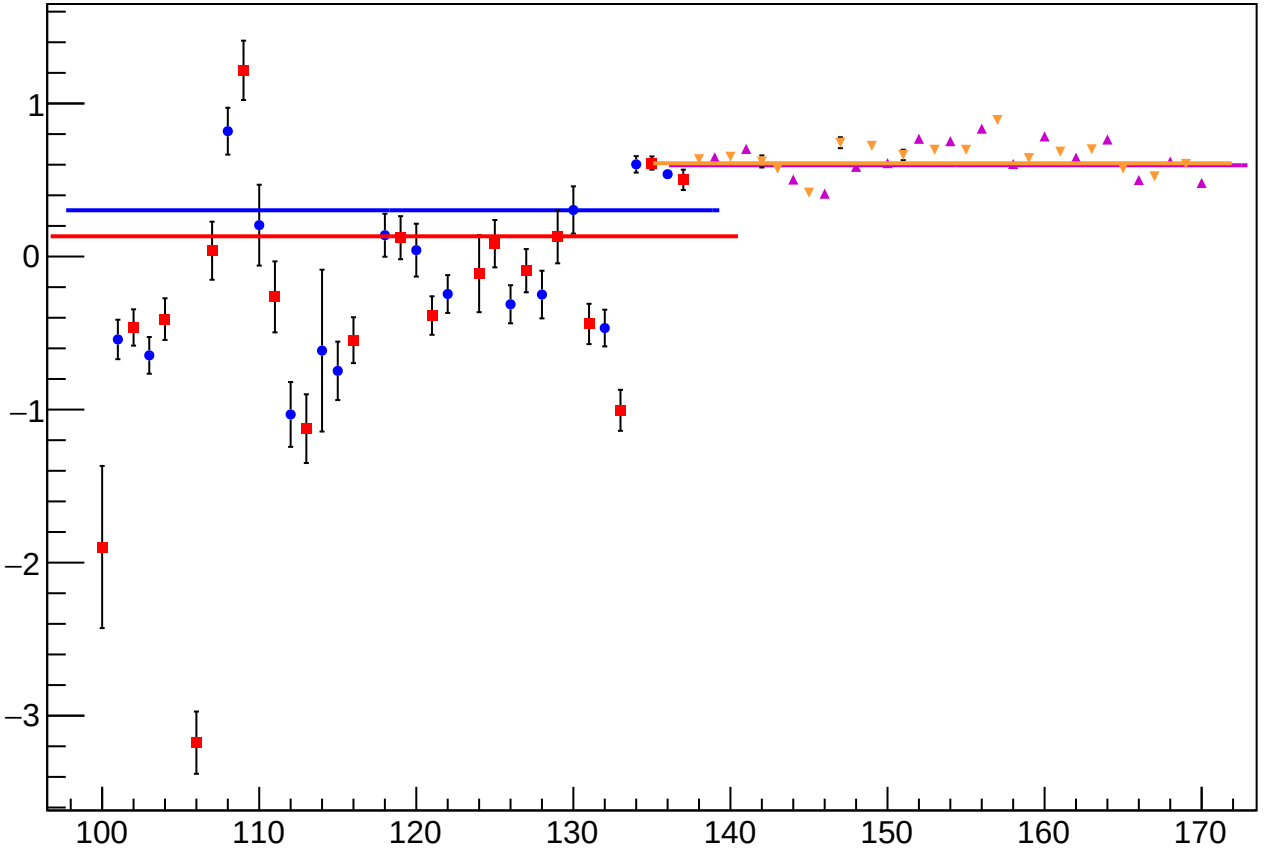
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -34.590+/-0.112 χ^2/NDF:11272.1/31

Out: -36.951+/-0.117 χ^2/NDF:10475.7/35

All: -35.728+/-0.081 χ^2/NDF: 21960.3/67

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.610+/-0.005 χ^2/NDF:415.8/16

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.596+/-0.005 χ^2/NDF:517.3/15

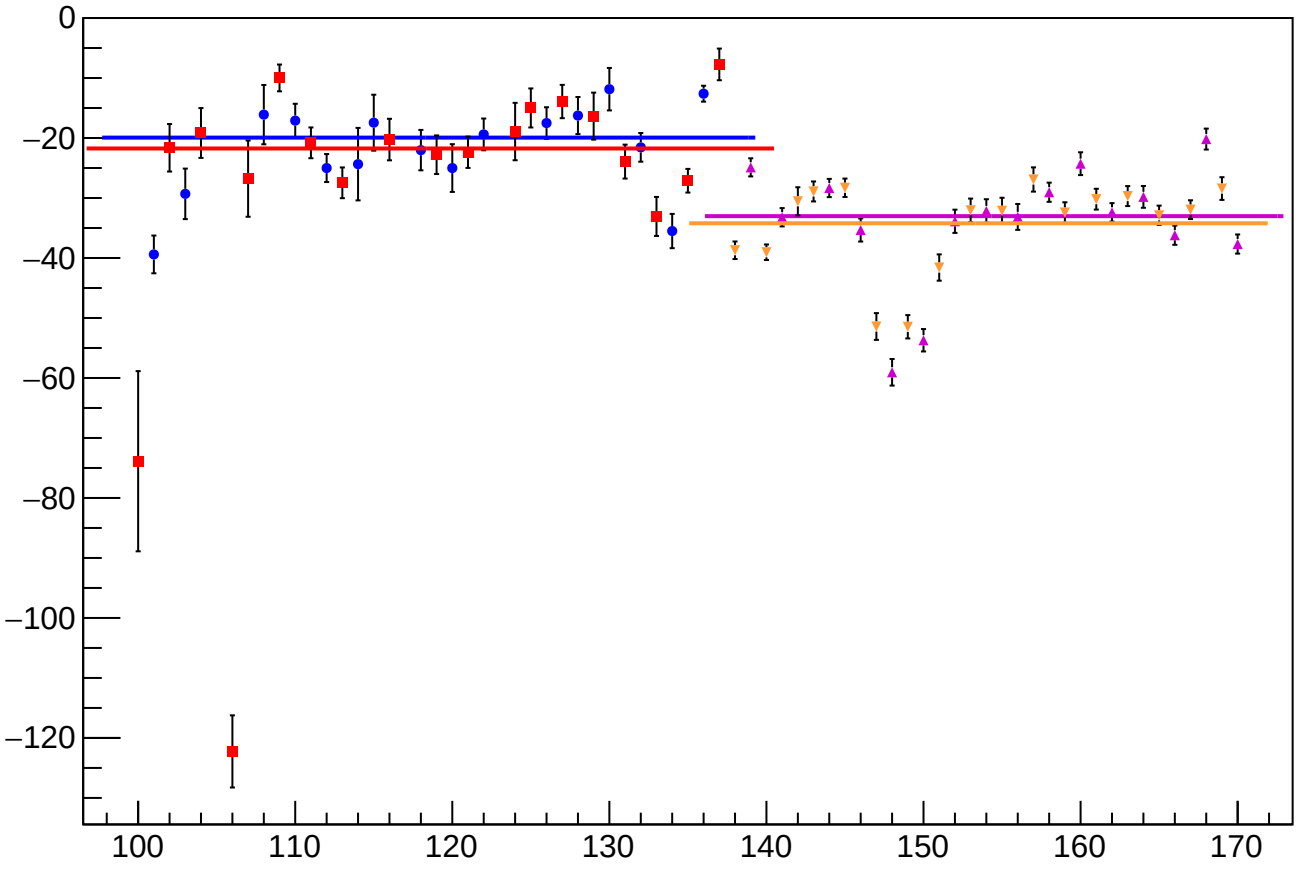
Left: 0.603+/-0.004 χ^2/NDF: 936.1/32

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.581+/-0.005 χ^2/NDF:1048.1/31

Out: 0.590+/-0.005 χ^2/NDF:1399.5/35

All: 0.586+/-0.004 χ^2/NDF: 2449.0/67



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.215+/-0.425 χ^2/NDF:241.6/16

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.026+/-0.434 χ^2/NDF:398.6/15

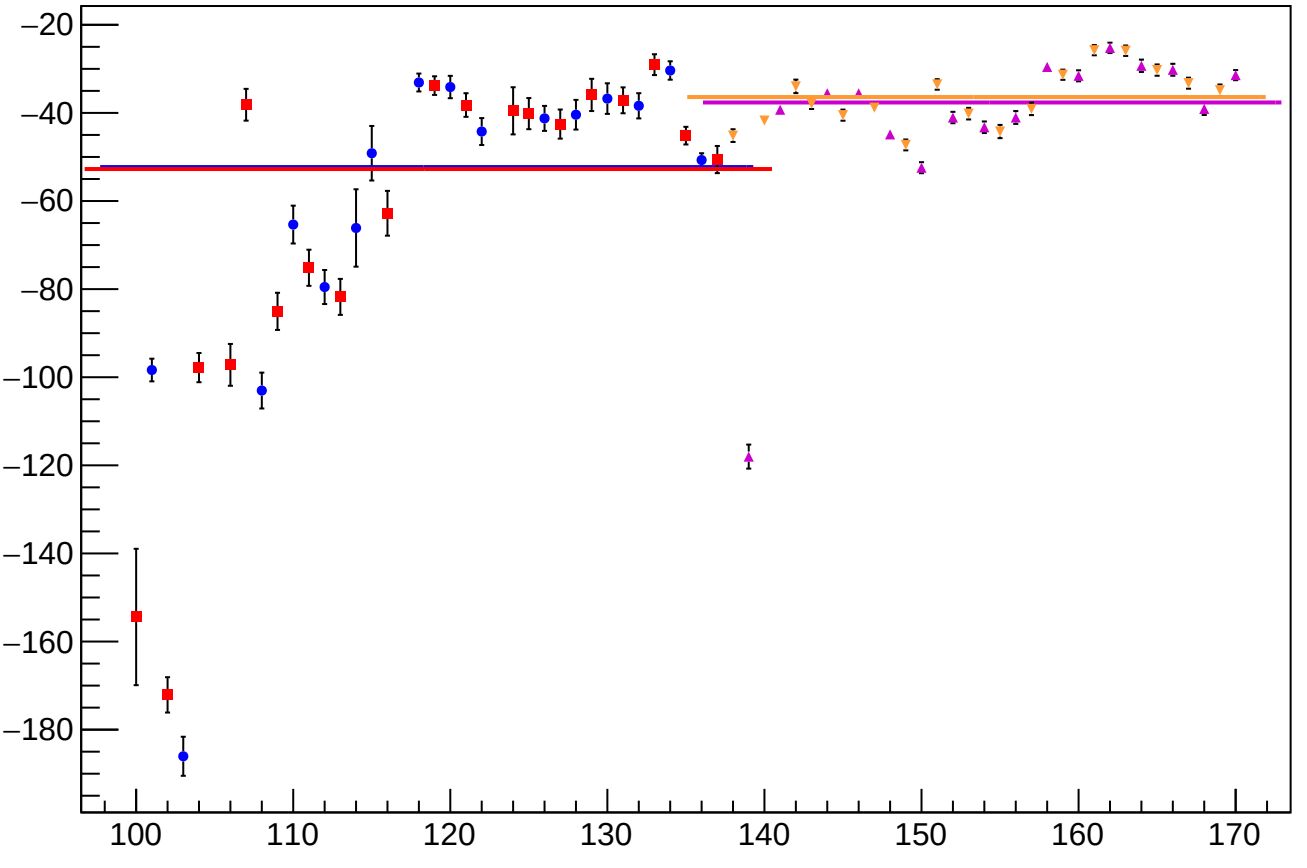
Left: -33.633+/-0.304 χ^2/NDF: 644.1/32

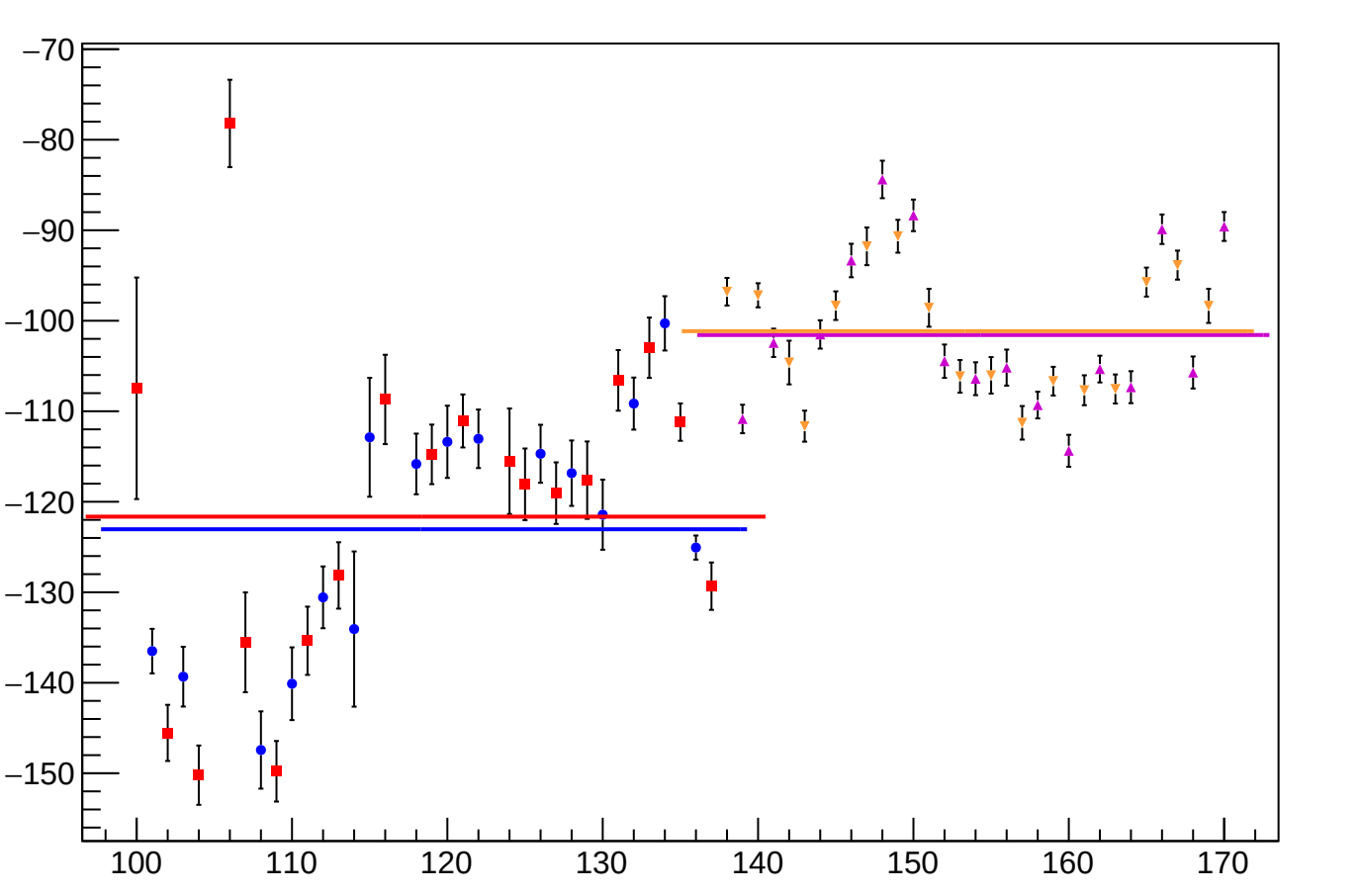
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.351+/-0.368 χ^2/NDF:774.6/31

Out: -30.950+/-0.365 χ^2/NDF:855.3/35

All: -30.157+/-0.259 χ^2/NDF: 1639.4/67


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: -36.396+/-0.303 χ²/NDF:415.4/16
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -37.631+/-0.313 χ²/NDF:1379.9/15
Left: -36.993+/-0.218 χ²/NDF: 1803.3/32
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -40.028+/-0.286 χ²/NDF:3517.0/31
Out: -38.693+/-0.281 χ²/NDF:2487.8/35
All: -39.347+/-0.200 χ²/NDF: 6015.8/67



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.152+/-0.418 χ^2/NDF:236.3/16

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -101.576+/-0.424 χ^2/NDF:404.5/15

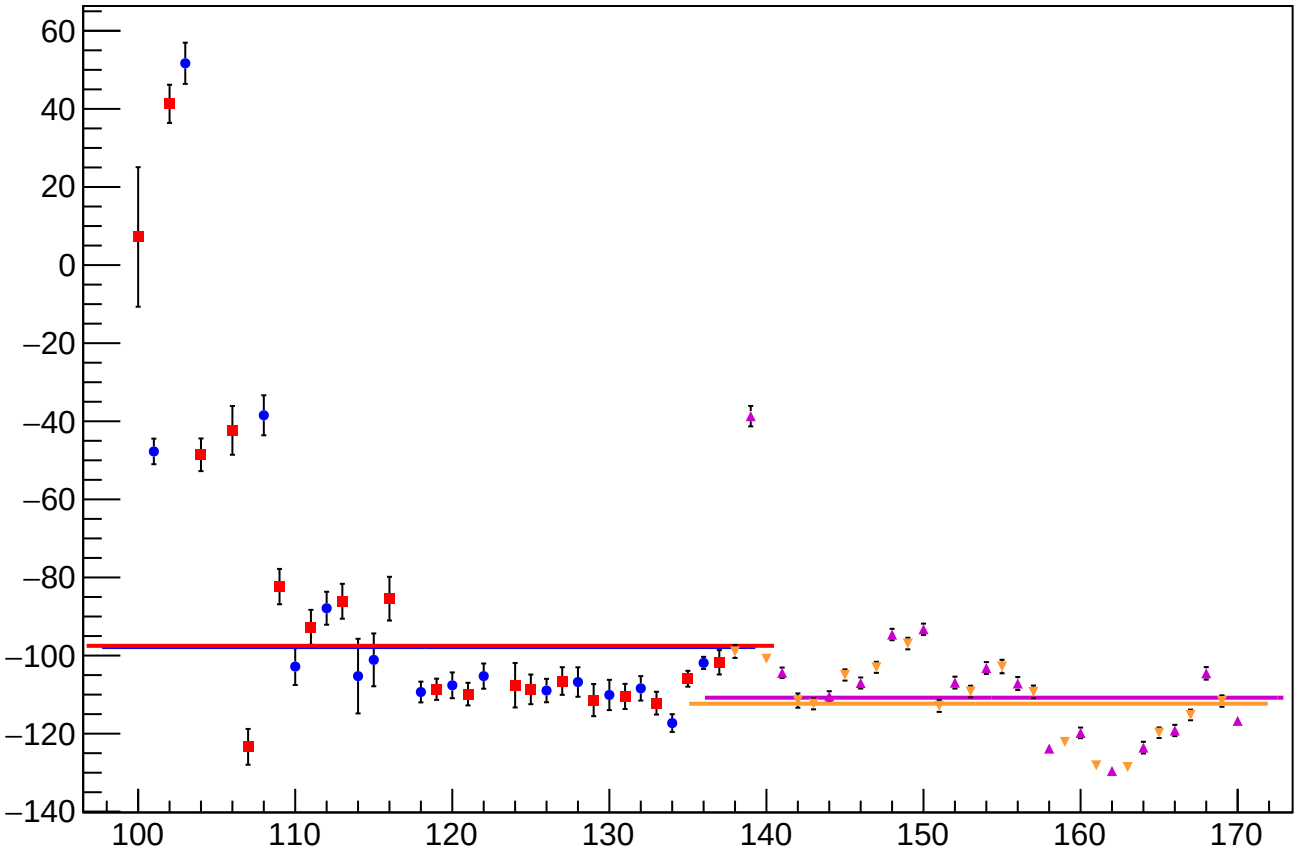
Left: -101.361+/-0.298 χ^2/NDF: 641.3/32

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -106.769+/-0.369 χ^2/NDF:1252.1/31

Out: -105.535+/-0.371 χ^2/NDF:1175.1/35

All: -106.155+/-0.261 χ^2/NDF: 2432.8/67



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.331+/-0.347 χ^2/NDF:791.8/16

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.793+/-0.356 χ^2/NDF:1648.2/15

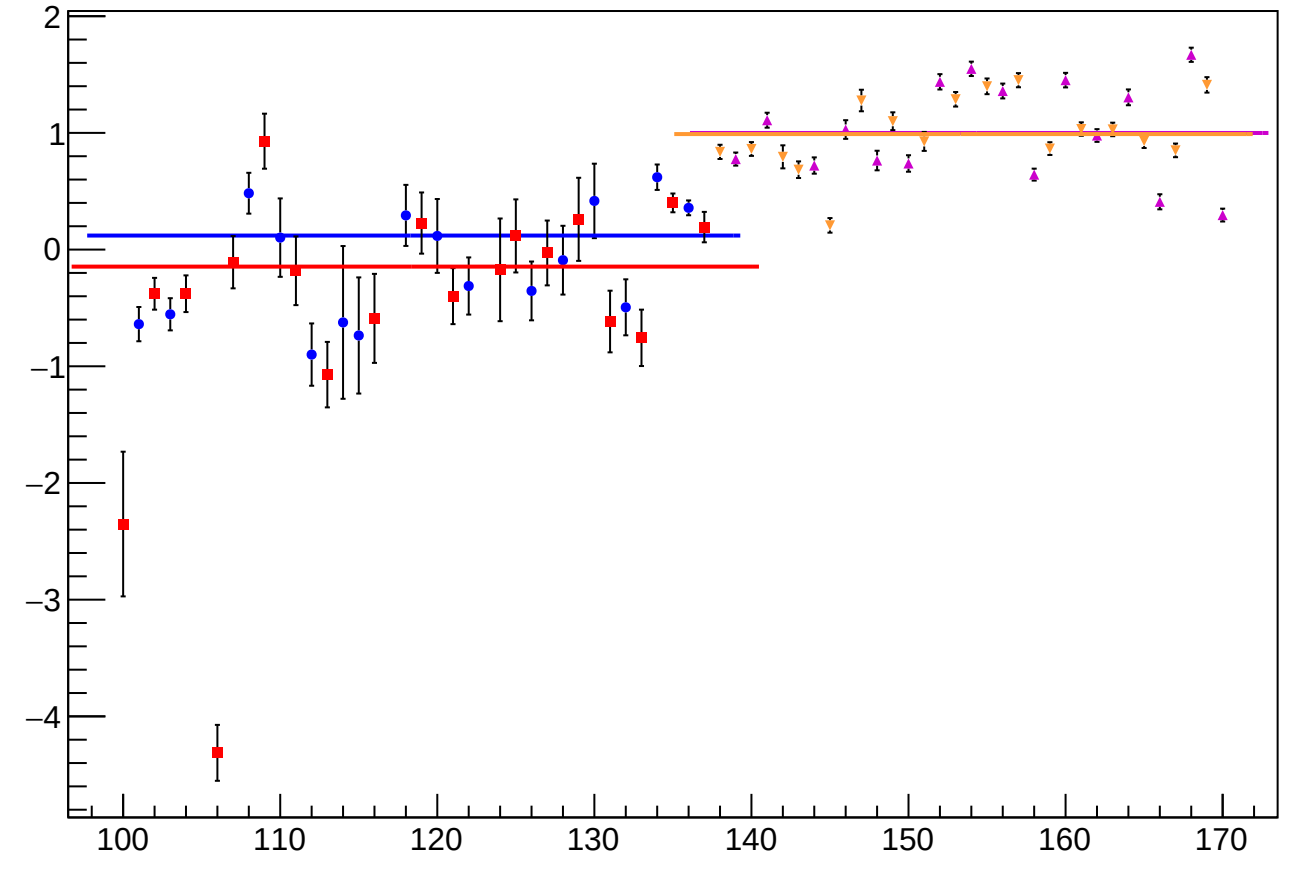
Left: -111.582+/-0.249 χ^2/NDF: 2449.5/32

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -108.613+/-0.325 χ^2/NDF:3201.9/31

Out: -110.180+/-0.321 χ^2/NDF:2292.9/35

All: -109.406+/-0.228 χ^2/NDF: 5506.5/67



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.990+/-0.016 χ^2/NDF:373.0/16

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.999+/-0.016 χ^2/NDF:700.7/15

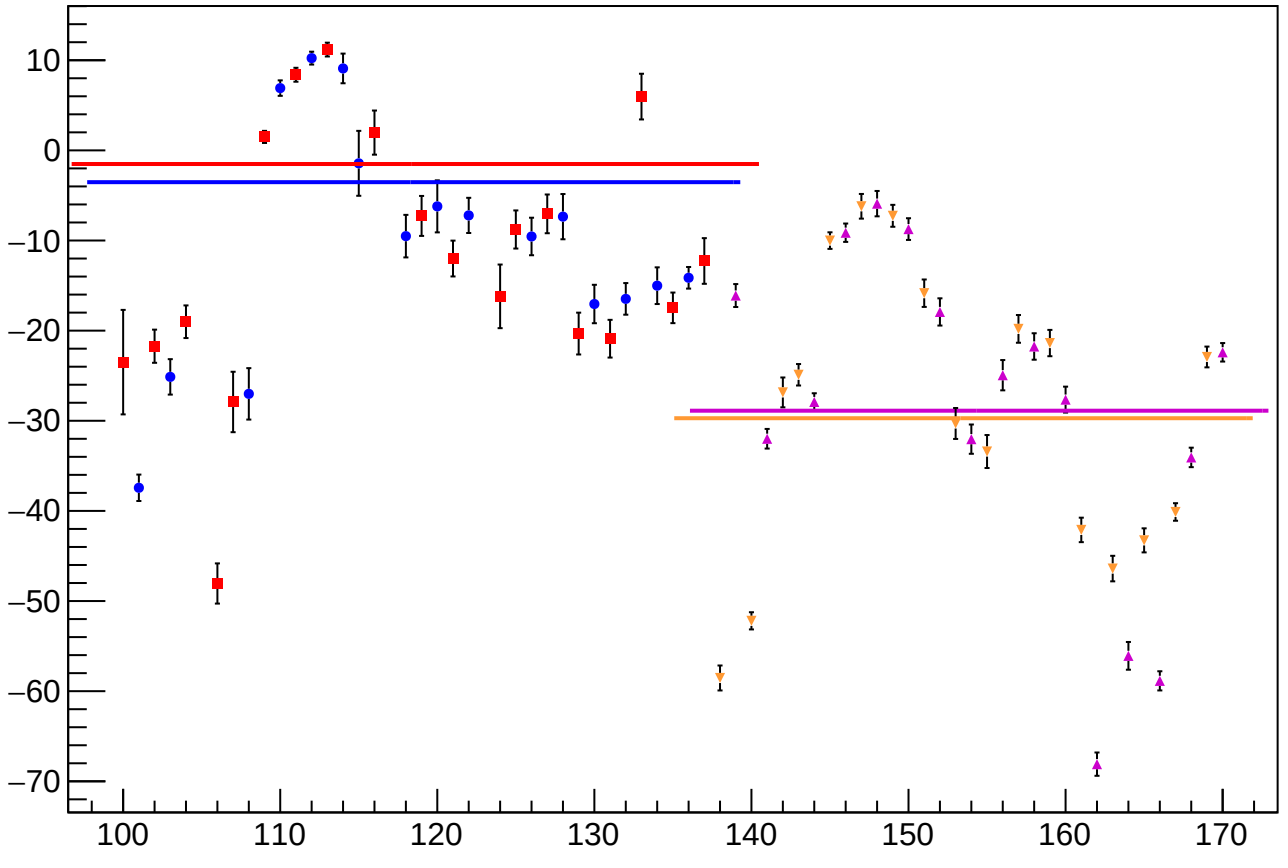
Left: 0.995+/-0.011 χ^2/NDF: 1073.9/32

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.887+/-0.015 χ^2/NDF:1221.4/31

Out: 0.865+/-0.015 χ^2/NDF:1364.1/35

All: 0.876+/-0.010 χ^2/NDF: 2586.6/67



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.716+/-0.309 χ^2/NDF:2738.8/16

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -28.882+/-0.308 χ^2/NDF:3208.0/15

Left: -29.298+/-0.218 χ^2/NDF: 5950.5/32

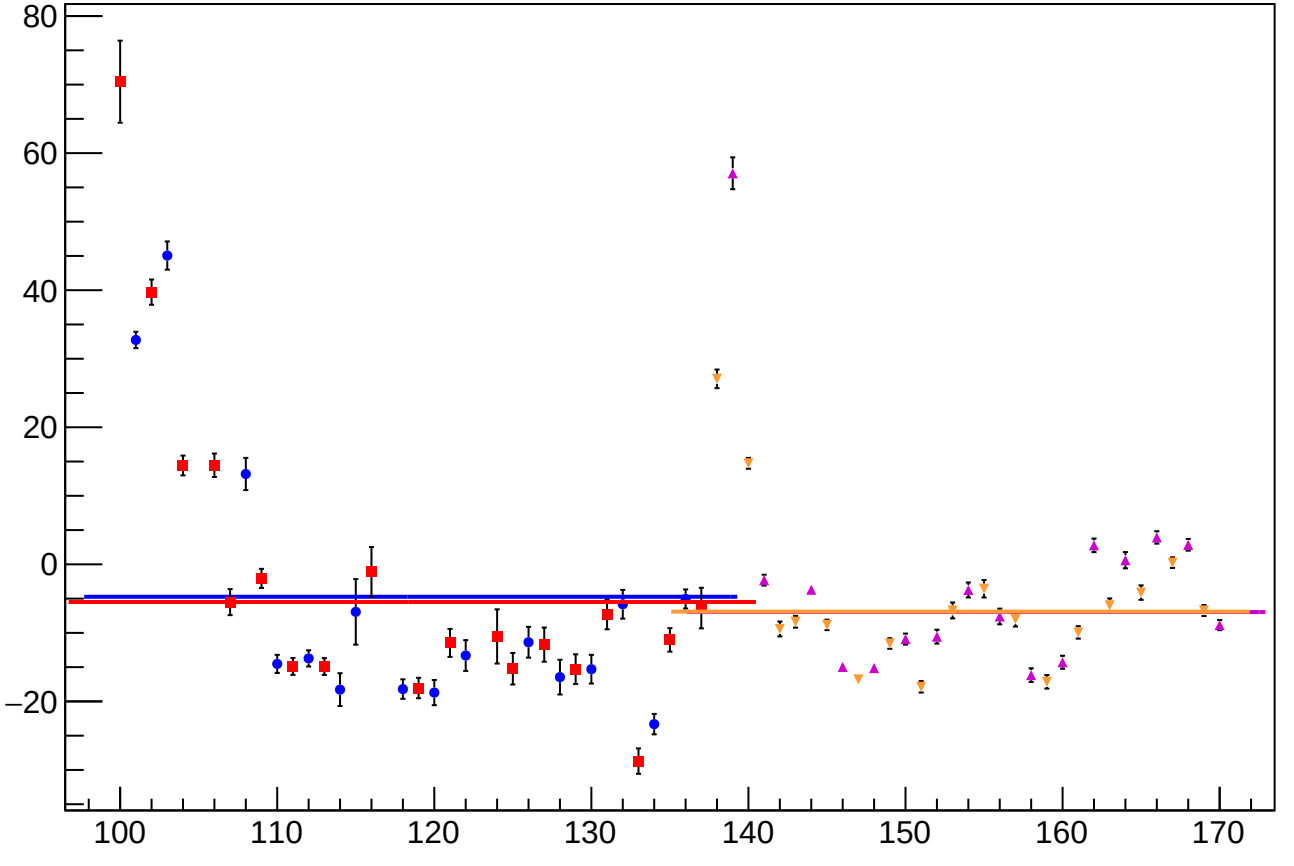
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -18.715+/-0.239 χ^2/NDF:7449.9/31

Out: -16.883+/-0.228 χ^2/NDF:8047.8/35

All: -17.759+/-0.165 χ^2/NDF: 15528.5/67

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.894+/-0.217 χ^2/NDF:2059.6/16

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.963+/-0.218 χ^2/NDF:1744.6/15

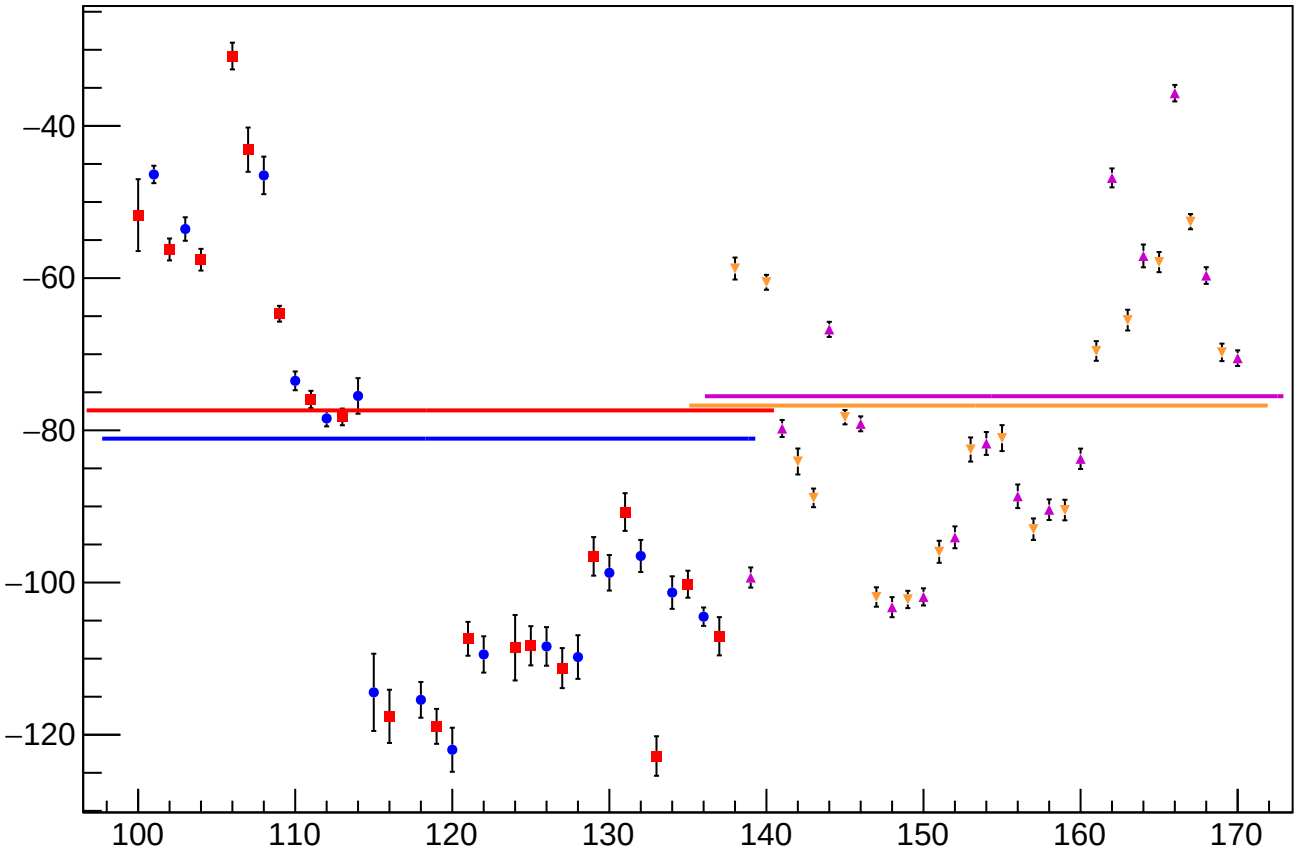
Left: -6.928+/-0.154 χ^2/NDF: 3804.3/32

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.507+/-0.195 χ^2/NDF:3914.0/31

Out: -6.600+/-0.193 χ^2/NDF:3576.9/35

All: -6.554+/-0.137 χ^2/NDF: 7491.0/67



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -76.744+/-0.305 χ^2/NDF:2792.2/16

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -75.517+/-0.302 χ^2/NDF:4100.8/15

Left: -76.125+/-0.215 χ^2/NDF: 6901.2/32

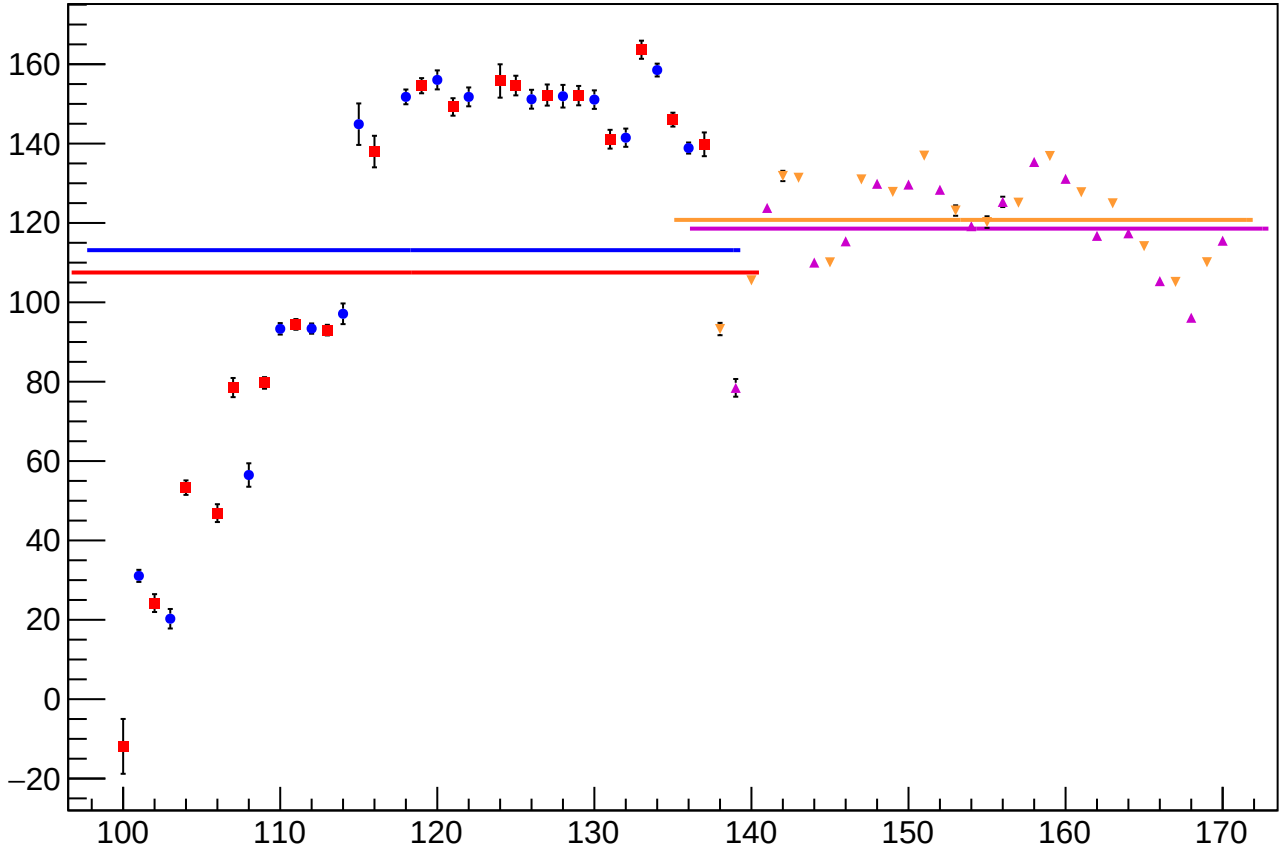
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -77.312+/-0.249 χ^2/NDF:7080.7/31

Out: -76.965+/-0.246 χ^2/NDF:5923.4/35

All: -77.137+/-0.175 χ^2/NDF: 13005.1/67

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: 120.774+/-0.252 χ^2/NDF:2165.3/16

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 118.570+/-0.252 χ^2/NDF:1983.8/15

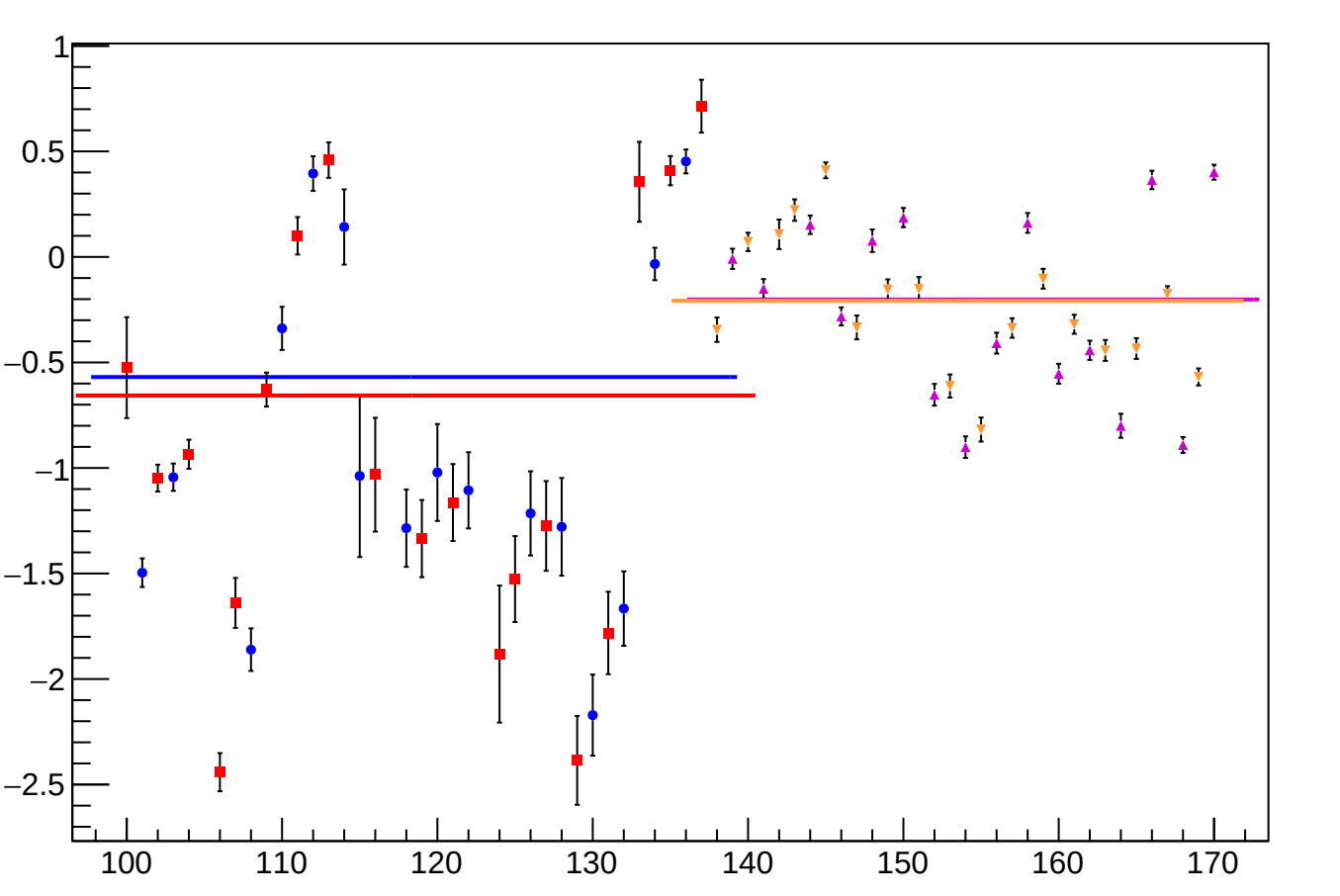
Left: 119.672+/-0.178 χ^2/NDF: 4187.4/32

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.432+/-0.224 χ^2/NDF:10285.2/31

Out: 117.906+/-0.223 χ^2/NDF:10308.9/35

All: 117.670+/-0.158 χ^2/NDF: 20596.4/67



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.208+/-0.012 χ^2/NDF:732.6/16

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.202+/-0.011 χ^2/NDF:1520.0/15

Left: -0.205+/-0.008 χ^2/NDF: 2252.8/32

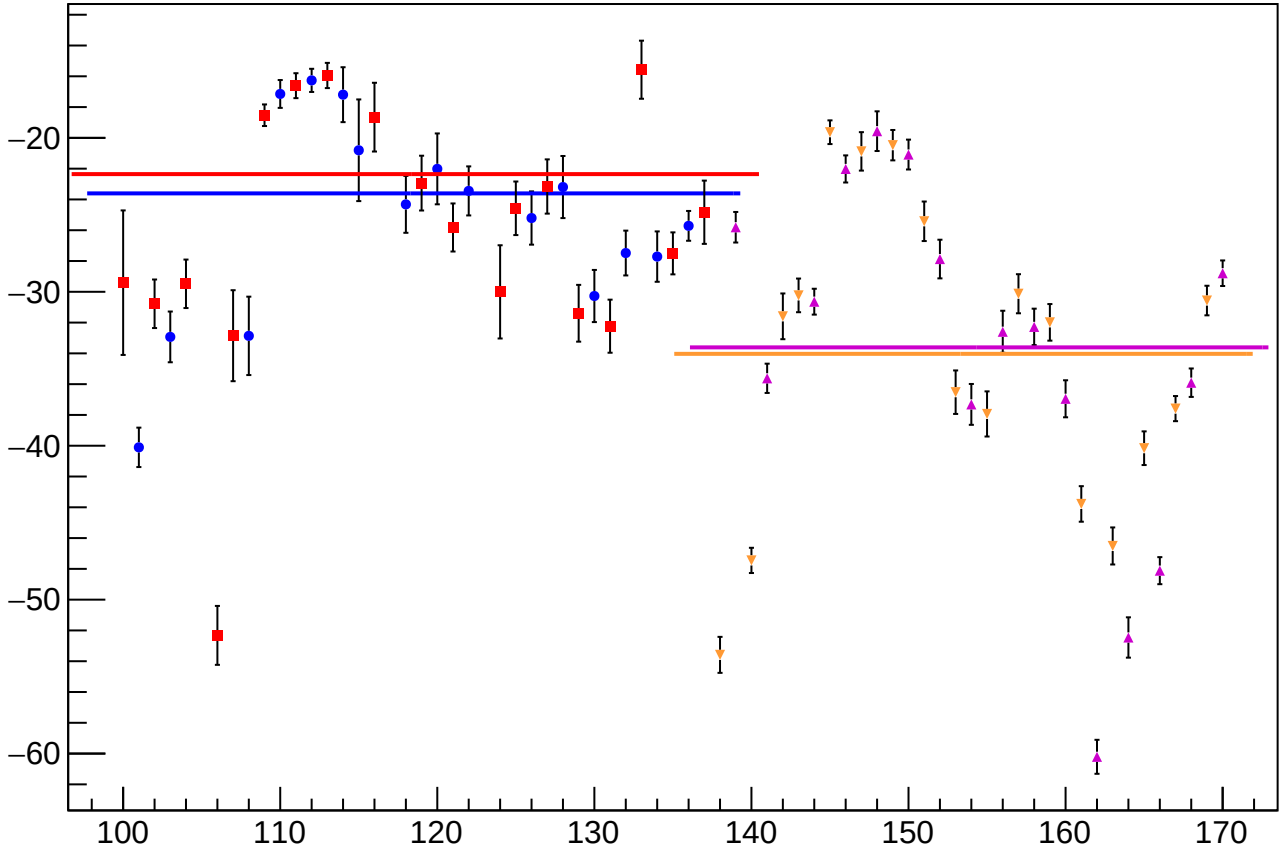
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.262+/-0.010 χ^2/NDF:2787.4/31

Out: -0.286+/-0.011 χ^2/NDF:2309.4/35

All: -0.274+/-0.007 χ^2/NDF: 5099.5/67

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.031+/-0.261 χ^2/NDF:1521.6/16

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -33.611+/-0.259 χ^2/NDF:1675.3/15

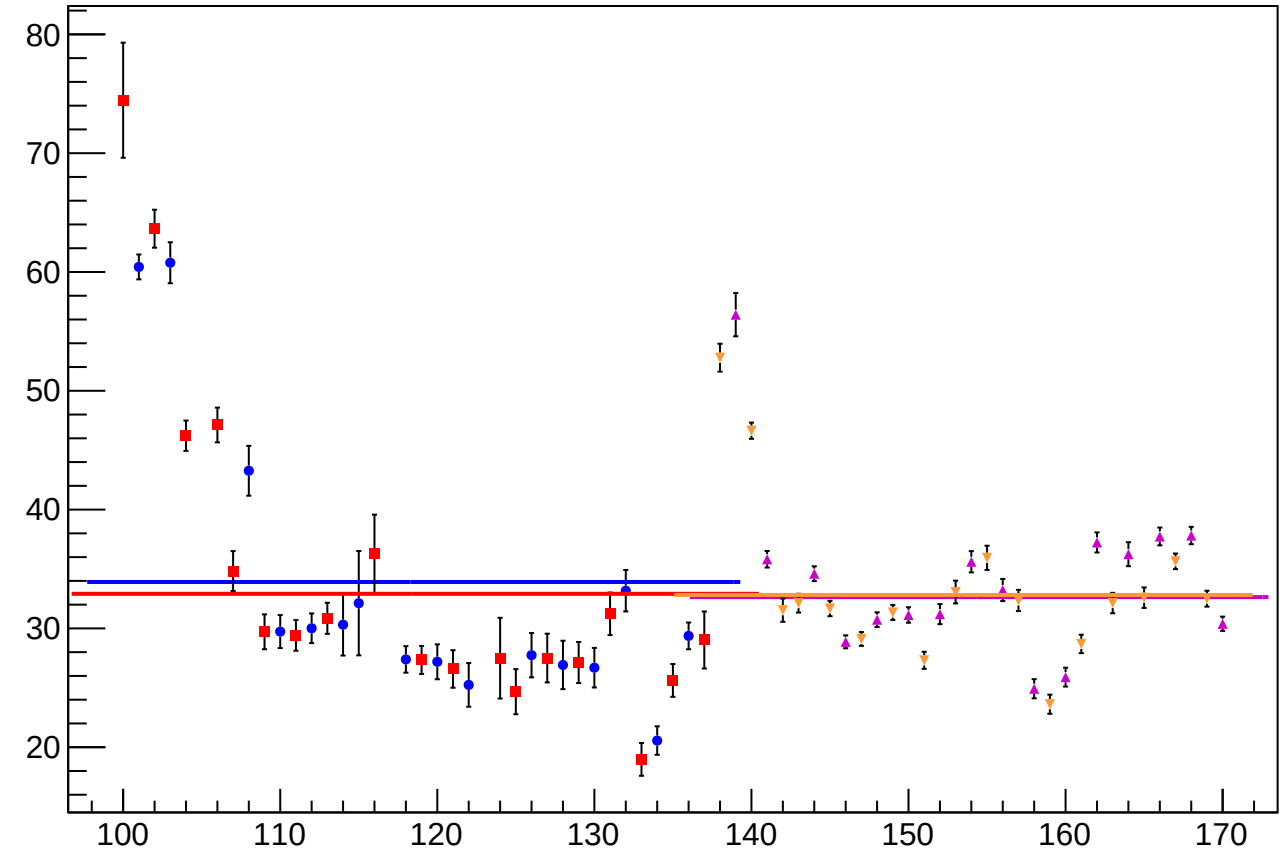
Left: -33.819+/-0.184 χ^2/NDF: 3198.2/32

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -30.056+/-0.208 χ^2/NDF:2613.5/31

Out: -29.386+/-0.203 χ^2/NDF:2866.5/35

All: -29.713+/-0.145 χ^2/NDF: 5485.3/67



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.817+/-0.185 χ^2/NDF:998.8/16

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.636+/-0.186 χ^2/NDF:594.4/15

Left: 32.727+/-0.131 χ^2/NDF: 1593.7/32

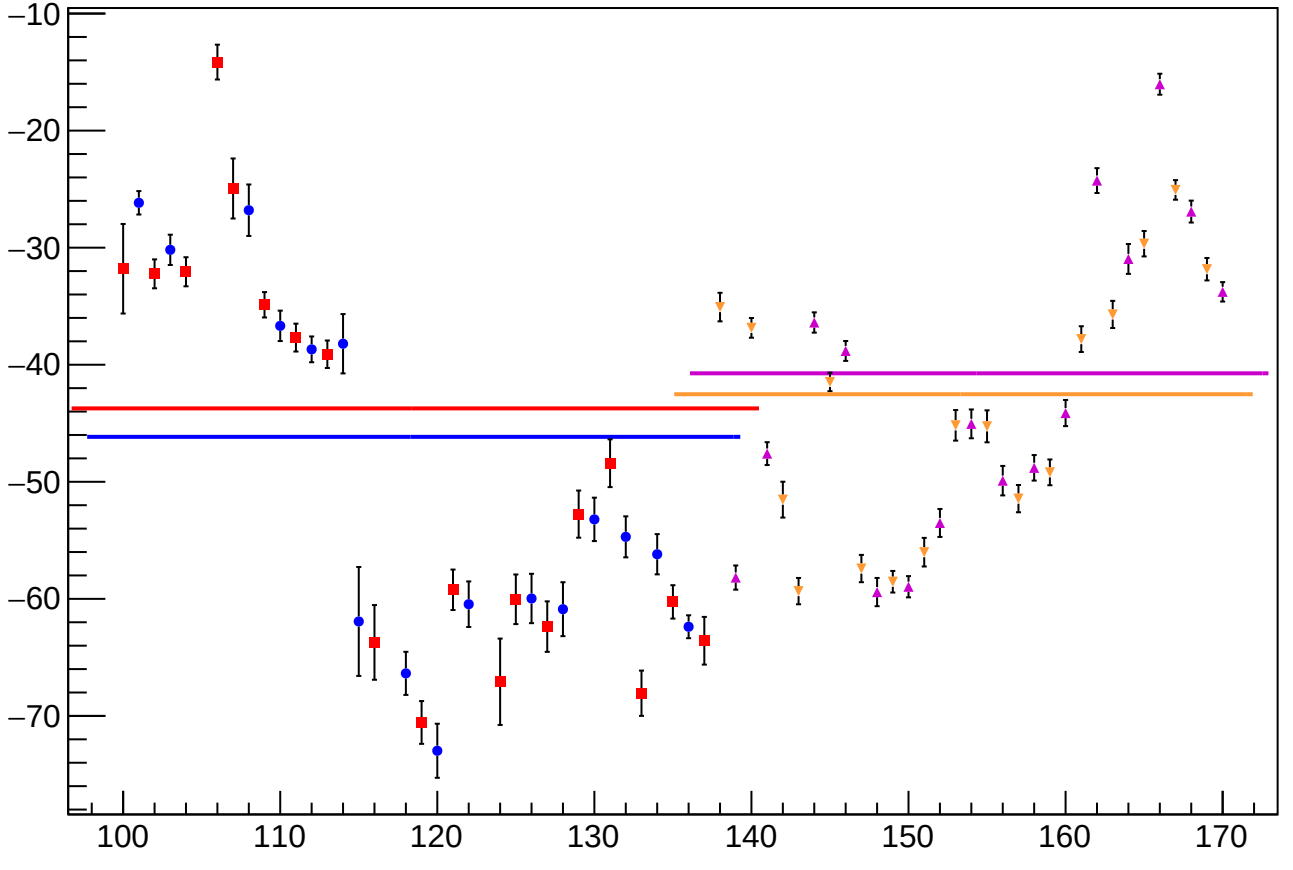
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.887+/-0.166 χ^2/NDF:1788.1/31

Out: 32.835+/-0.166 χ^2/NDF:1873.8/35

All: 32.861+/-0.118 χ^2/NDF: 3661.9/67

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -42.520+/-0.257 χ^2/NDF:1785.0/16

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -40.732+/-0.253 χ^2/NDF:2599.9/15

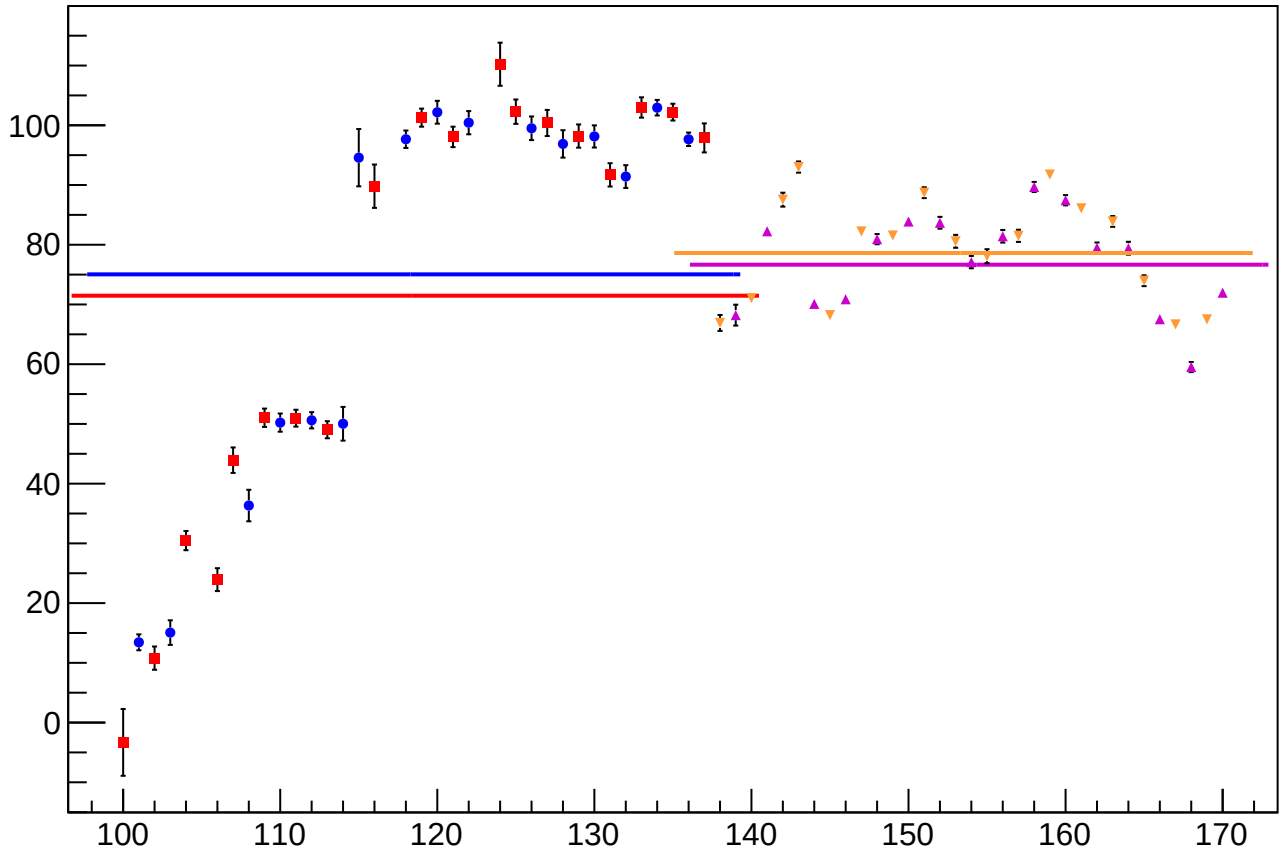
Left: -41.612+/-0.181 χ^2/NDF: 4409.4/32

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -42.344+/-0.212 χ^2/NDF:4225.8/31

Out: -42.903+/-0.213 χ^2/NDF:3455.4/35

All: -42.623+/-0.150 χ^2/NDF: 7684.7/67



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 78.617+/-0.214 χ^2/NDF:1710.9/16

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 76.661+/-0.213 χ^2/NDF:1412.8/15

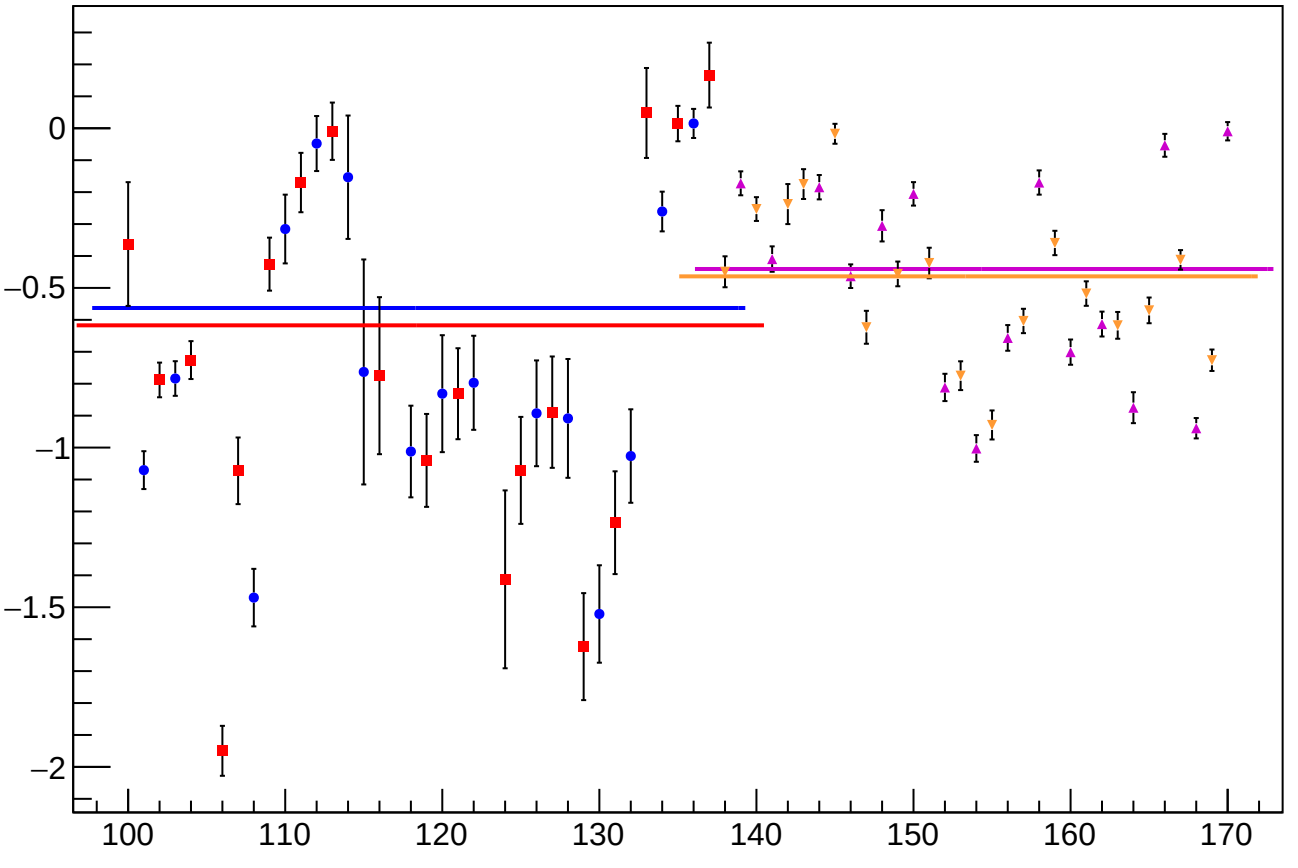
Left: 77.635+/-0.151 χ^2/NDF: 3165.8/32

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.339+/-0.190 χ^2/NDF:7252.6/31

Out: 77.178+/-0.191 χ^2/NDF:7564.3/35

All: 76.757+/-0.135 χ^2/NDF: 14826.6/67



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.464+/-0.010 χ^2/NDF:558.5/16

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.441+/-0.010 χ^2/NDF:1212.8/15

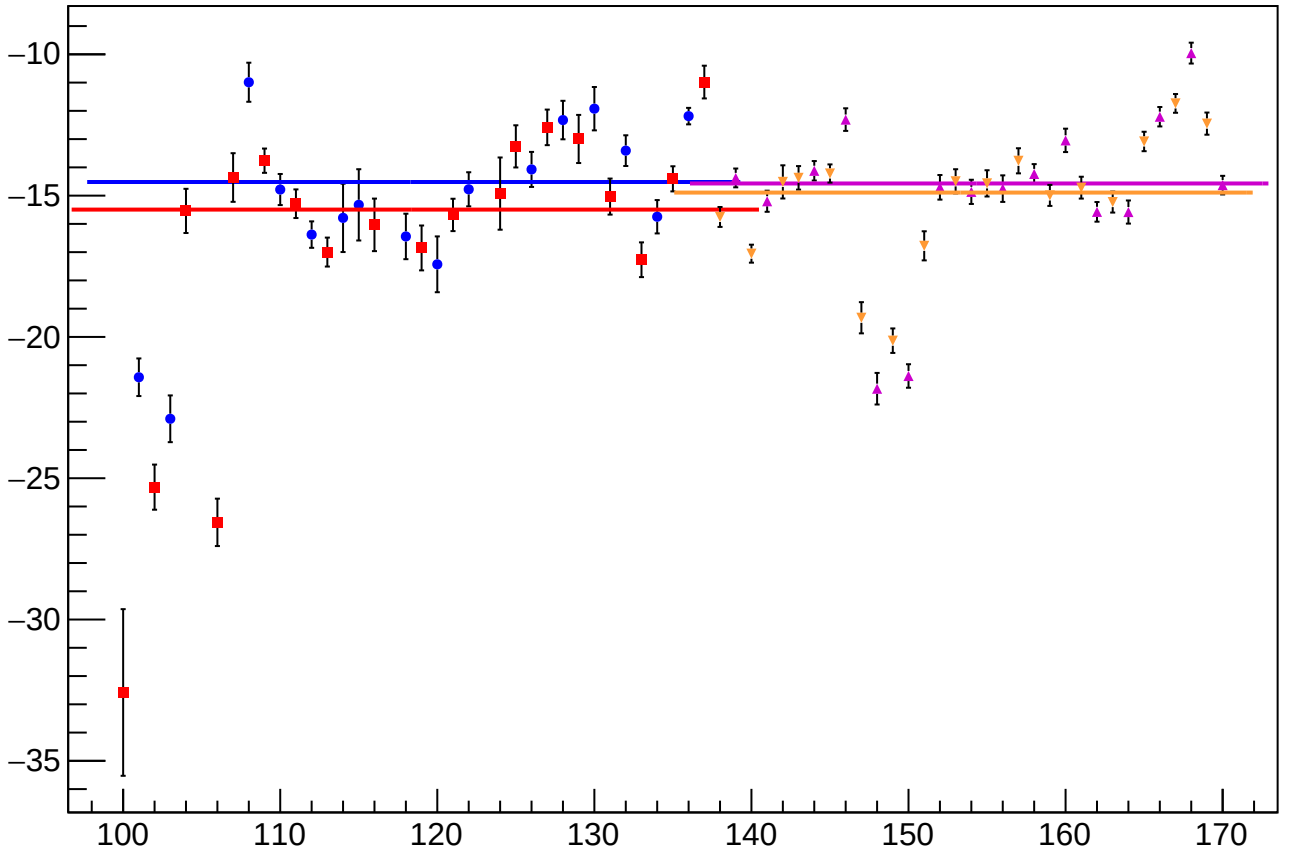
Left: -0.452+/-0.007 χ^2/NDF: 1774.2/32

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.460+/-0.009 χ^2/NDF:1731.3/31

Out: -0.489+/-0.009 χ^2/NDF:1288.6/35

All: -0.474+/-0.006 χ^2/NDF: 3025.3/67



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.892+/-0.096 χ^2/NDF:448.4/16

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.570+/-0.096 χ^2/NDF:707.0/15

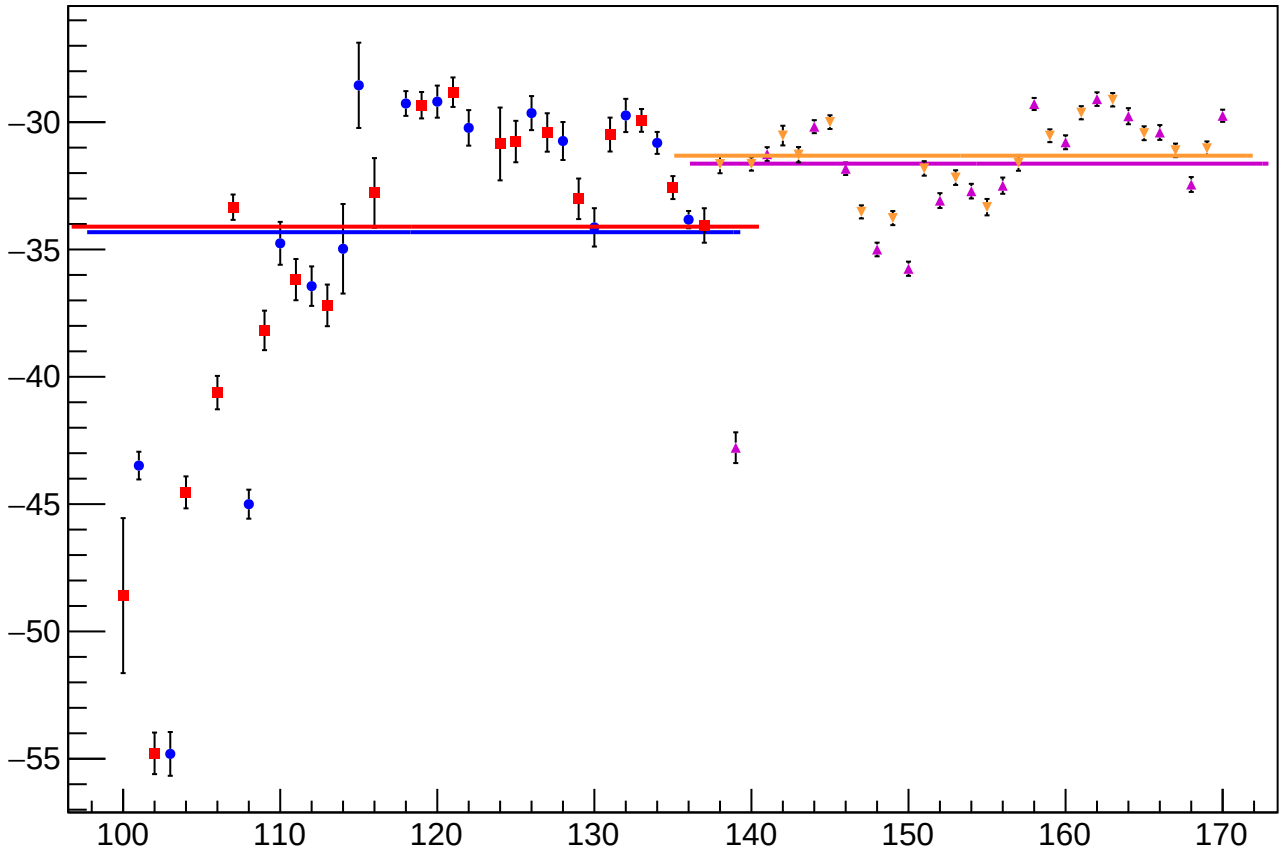
Left: -14.731+/-0.068 χ^2/NDF: 1161.1/32

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.554+/-0.081 χ^2/NDF:1070.5/31

Out: -15.066+/-0.081 χ^2/NDF:963.7/35

All: -14.811+/-0.057 χ^2/NDF: 2054.3/67



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.316+/-0.069 χ^2/NDF:367.2/16

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.629+/-0.070 χ^2/NDF:1115.9/15

Left: -31.470+/-0.049 χ^2/NDF: 1493.4/32

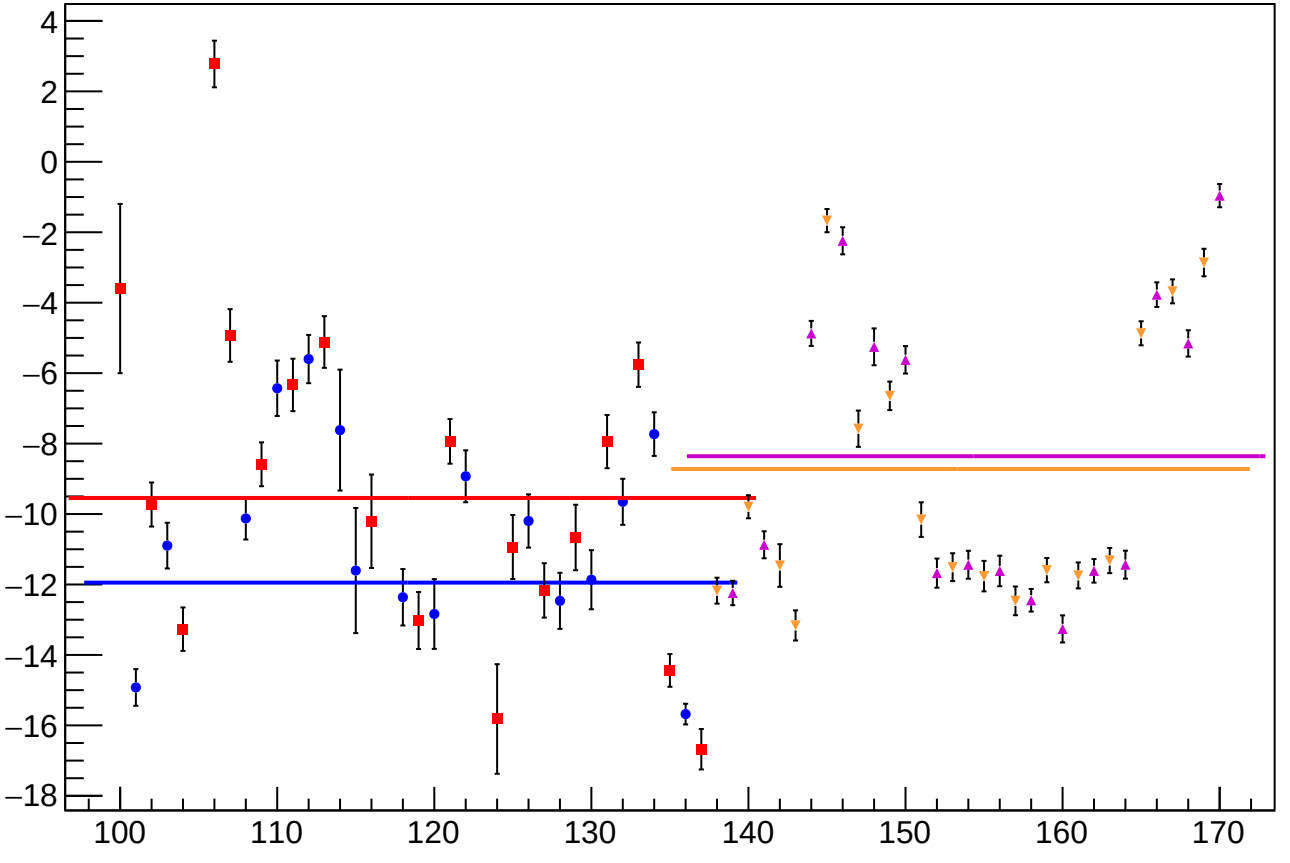
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.094+/-0.064 χ^2/NDF:2991.6/31

Out: -31.779+/-0.063 χ^2/NDF:2074.8/35

All: -31.934+/-0.045 χ^2/NDF: 5078.9/67

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.720+/-0.094 χ^2/NDF:1668.1/16

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -8.359+/-0.094 χ^2/NDF:2012.4/15

Left: -8.539+/-0.066 χ^2/NDF: 3687.9/32

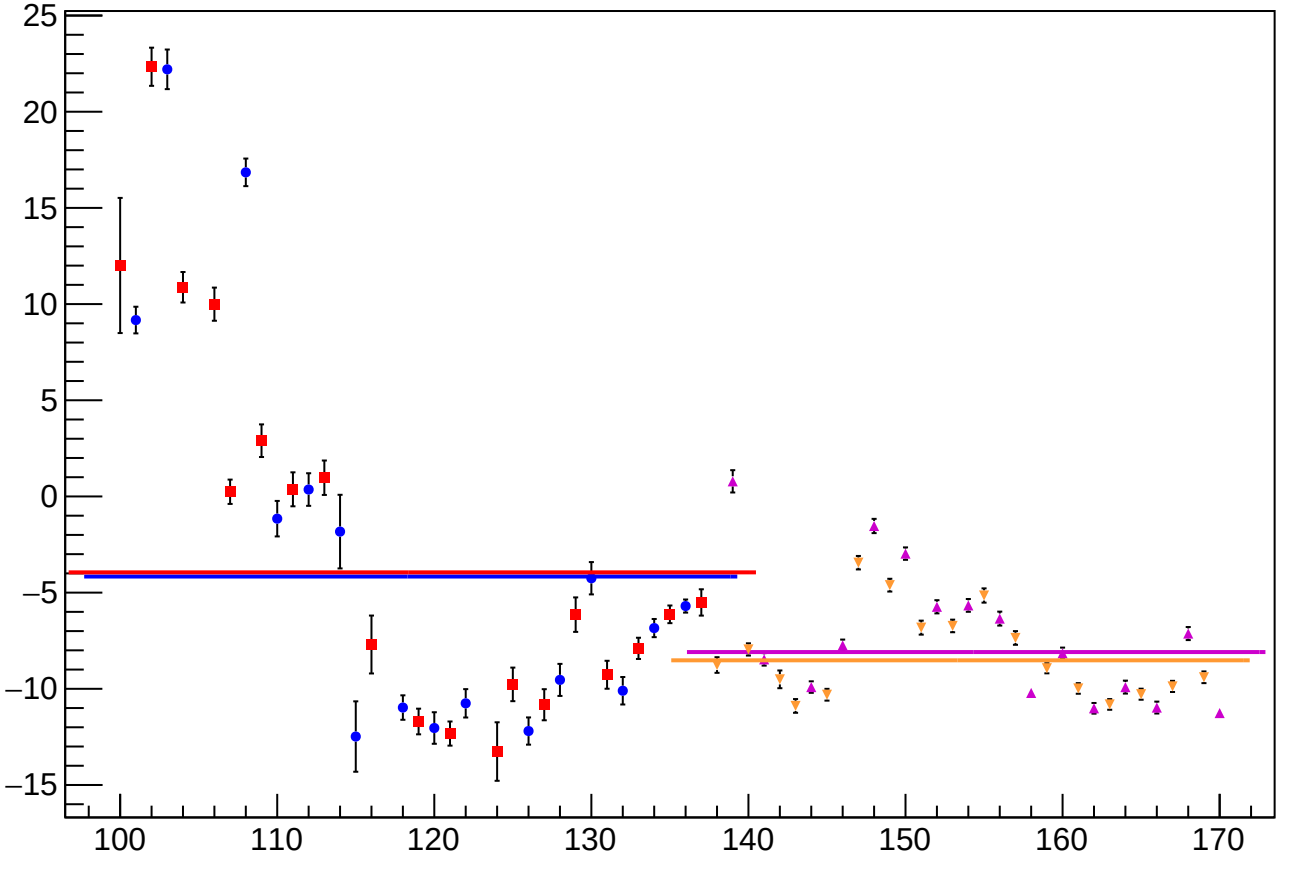
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.274+/-0.081 χ^2/NDF:2816.2/31

Out: -8.922+/-0.082 χ^2/NDF:2533.9/35

All: -9.100+/-0.057 χ^2/NDF: 5359.6/67

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: -8.519+/-0.078 χ^2/NDF:745.1/16

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.090+/-0.079 χ^2/NDF:1419.2/15

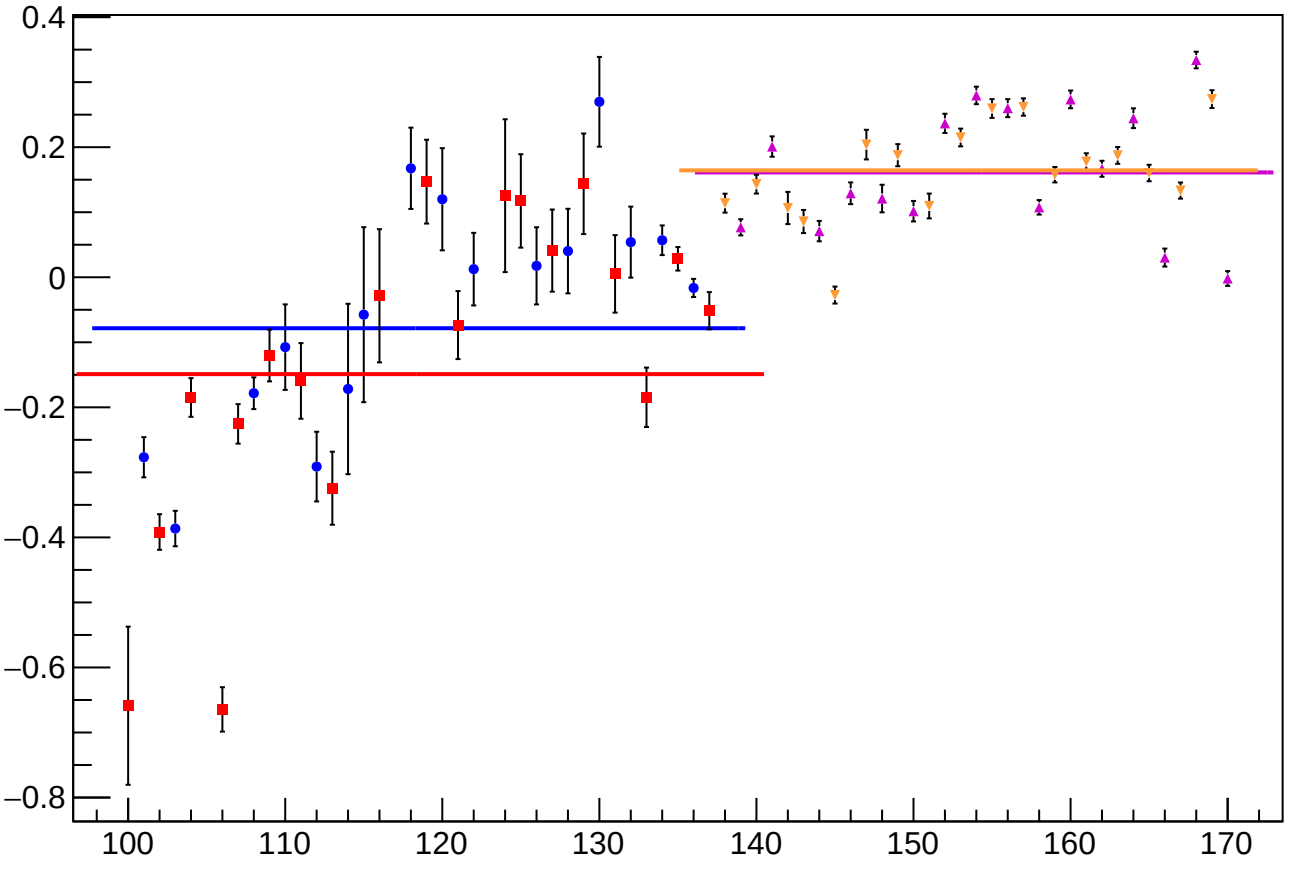
Left: -8.307+/-0.056 χ^2/NDF: 2179.2/32

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.404+/-0.072 χ^2/NDF:4374.6/31

Out: -7.766+/-0.071 χ^2/NDF:3418.8/35

All: -7.586+/-0.051 χ^2/NDF: 7806.2/67



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.164+/-0.004 χ^2/NDF:453.9/16

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:860.5/15

Left: 0.163+/-0.002 χ^2/NDF: 1314.8/32

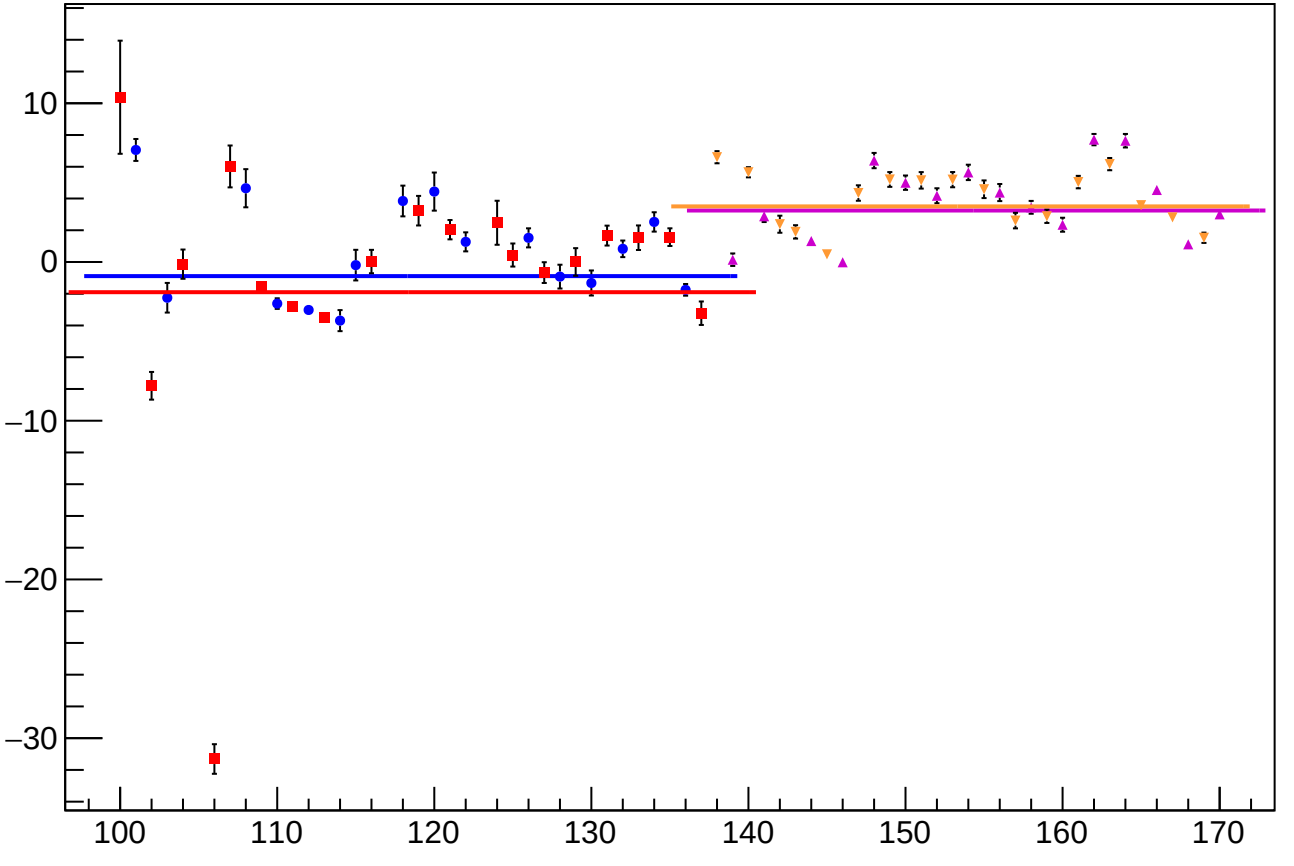
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.127+/-0.003 χ^2/NDF:1850.6/31

Out: 0.124+/-0.003 χ^2/NDF:2016.0/35

All: 0.126+/-0.002 χ^2/NDF: 3867.3/67

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: 3.502+/-0.092 χ^2/NDF:435.9/16

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.243+/-0.091 χ^2/NDF:659.6/15

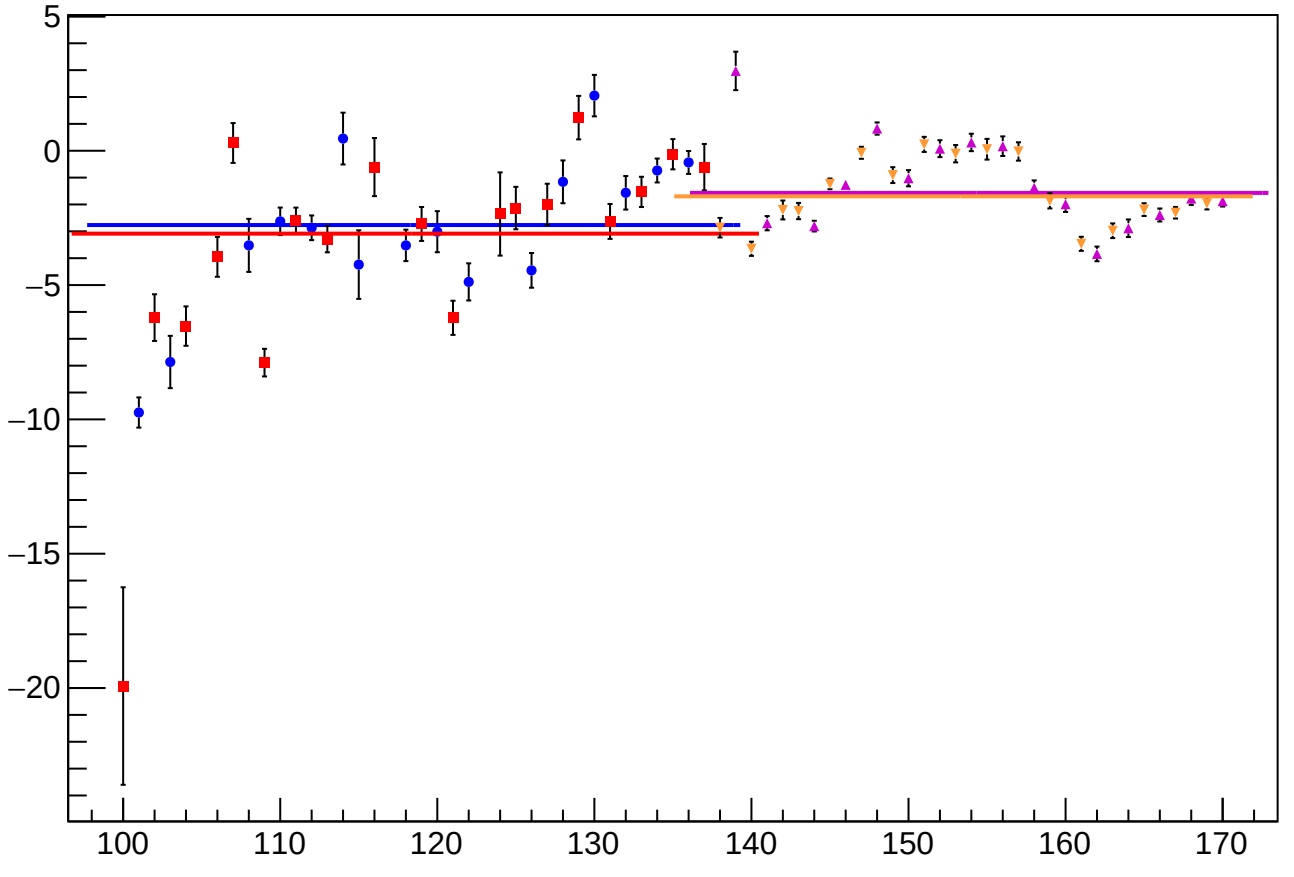
Left: 3.372+/-0.065 χ^2/NDF: 1099.5/32

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.974+/-0.076 χ^2/NDF:1674.1/31

Out: 1.680+/-0.075 χ^2/NDF:2943.3/35

All: 1.825+/-0.053 χ^2/NDF: 4625.0/67



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.698+/-0.065 χ^2/NDF:332.1/16

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.570+/-0.065 χ^2/NDF:399.4/15

Left: -1.633+/-0.046 χ^2/NDF: 733.5/32

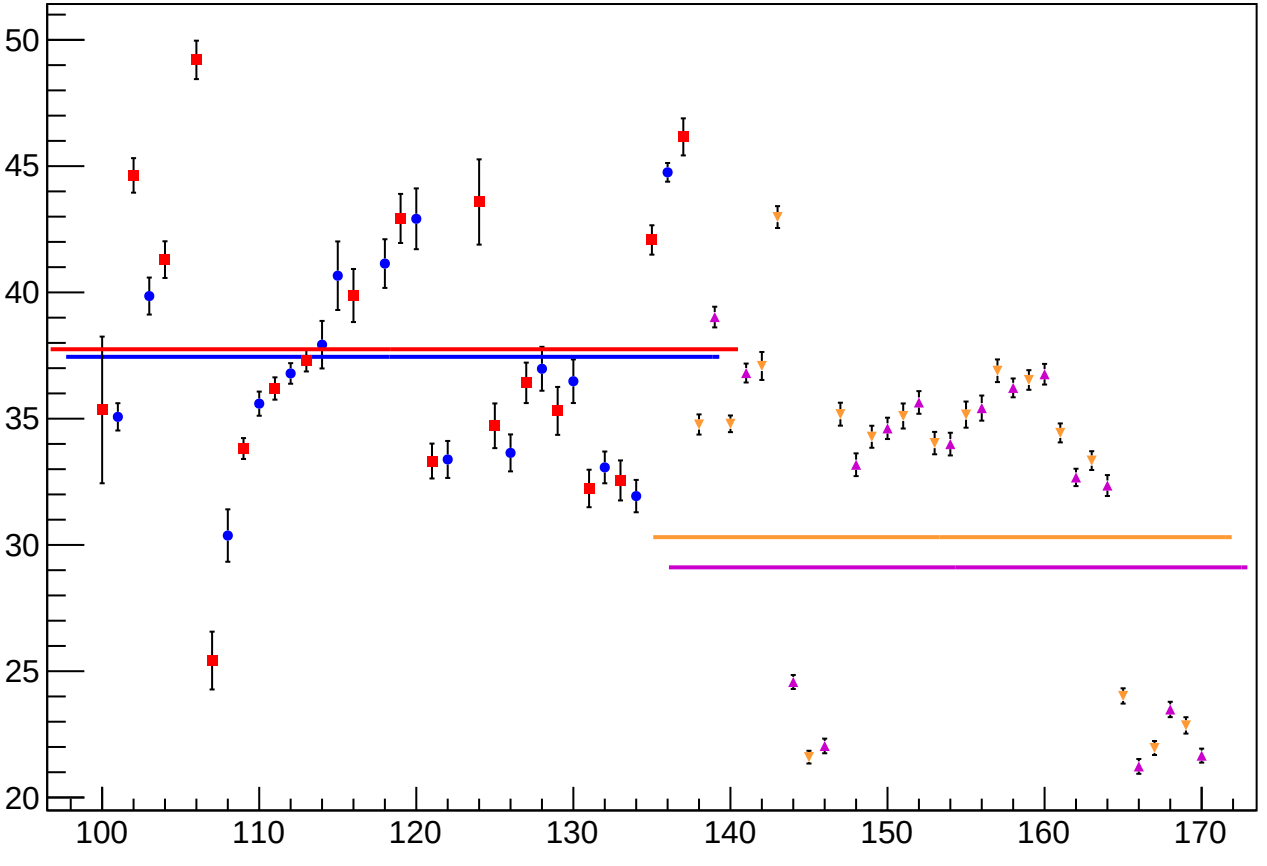
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.745+/-0.060 χ^2/NDF:759.5/31

Out: -1.902+/-0.060 χ^2/NDF:670.8/35

All: -1.823+/-0.043 χ^2/NDF: 1433.7/67

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: 30.308+/-0.091 χ^2/NDF:5483.5/16

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 29.112+/-0.089 χ^2/NDF:5281.0/15

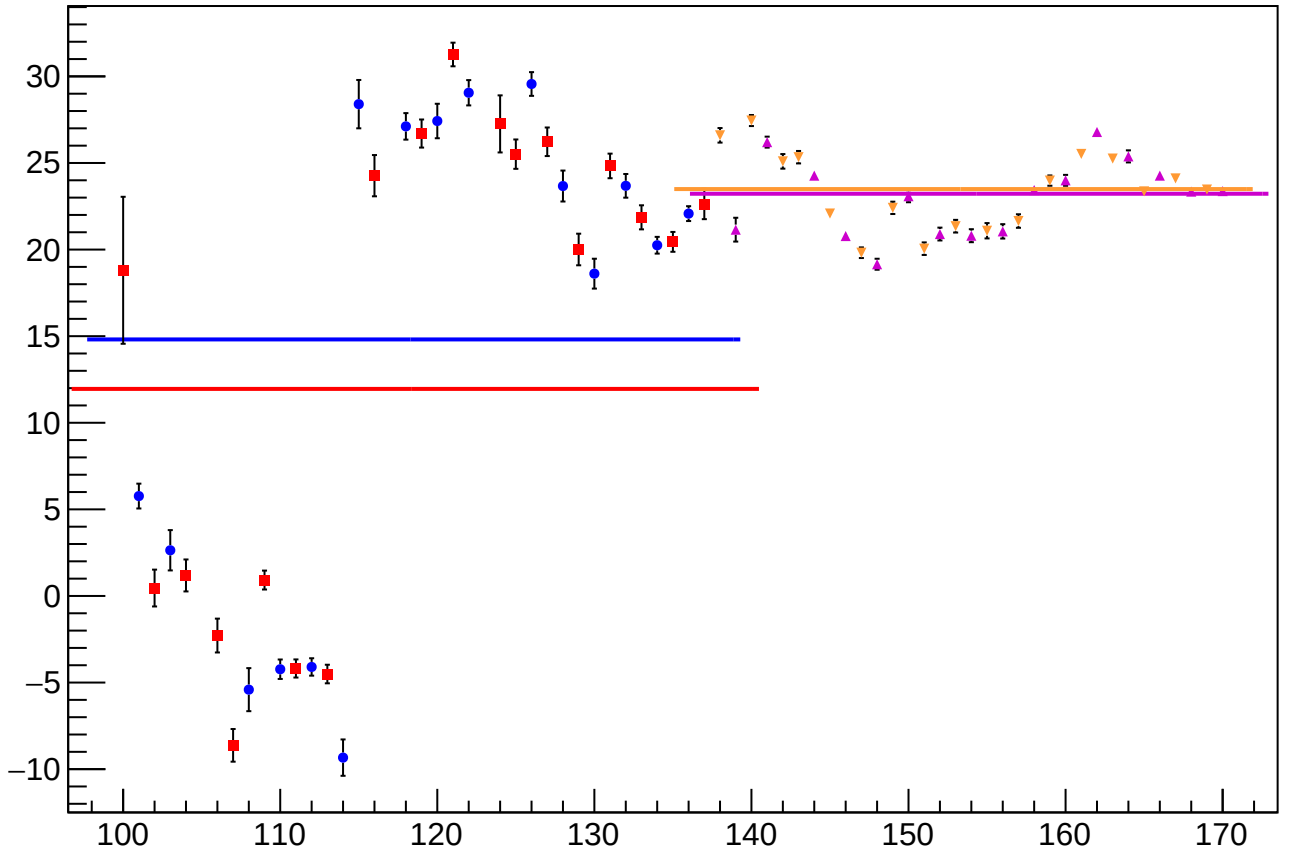
Left: 29.702+/-0.064 χ^2/NDF: 10853.0/32

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 31.079+/-0.078 χ^2/NDF:8043.6/31

Out: 32.122+/-0.079 χ^2/NDF:8094.6/35

All: 31.597+/-0.055 χ^2/NDF: 16226.7/67



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.494+/-0.075 χ^2/NDF:715.1/16

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.224+/-0.074 χ^2/NDF:731.2/15

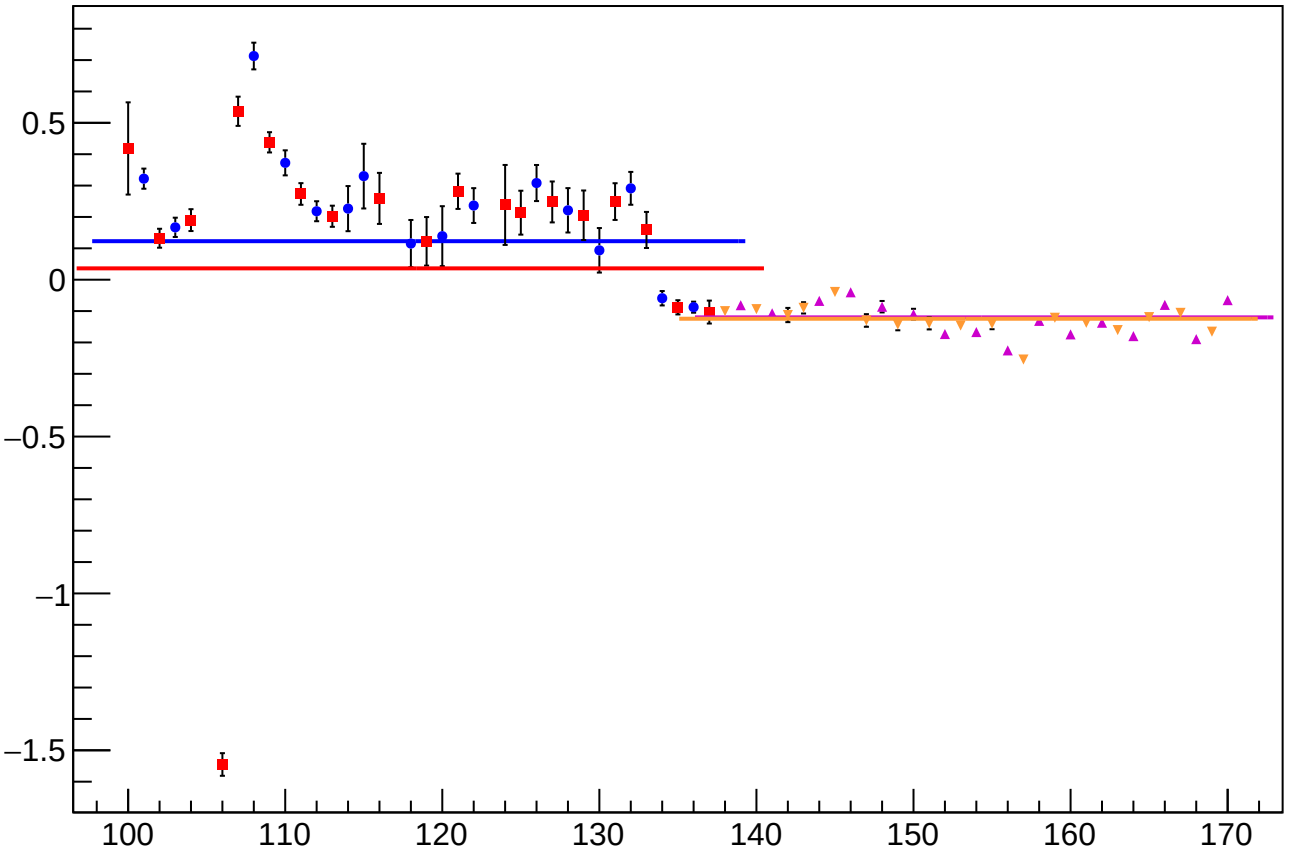
Left: 23.358+/-0.053 χ^2/NDF: 1453.0/32

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.925+/-0.068 χ^2/NDF:8396.6/31

Out: 21.745+/-0.069 χ^2/NDF:10433.6/35

All: 21.836+/-0.048 χ^2/NDF: 18833.6/67



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.124+/-0.003 χ^2/NDF:191.5/16

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.120+/-0.003 χ^2/NDF:254.7/15

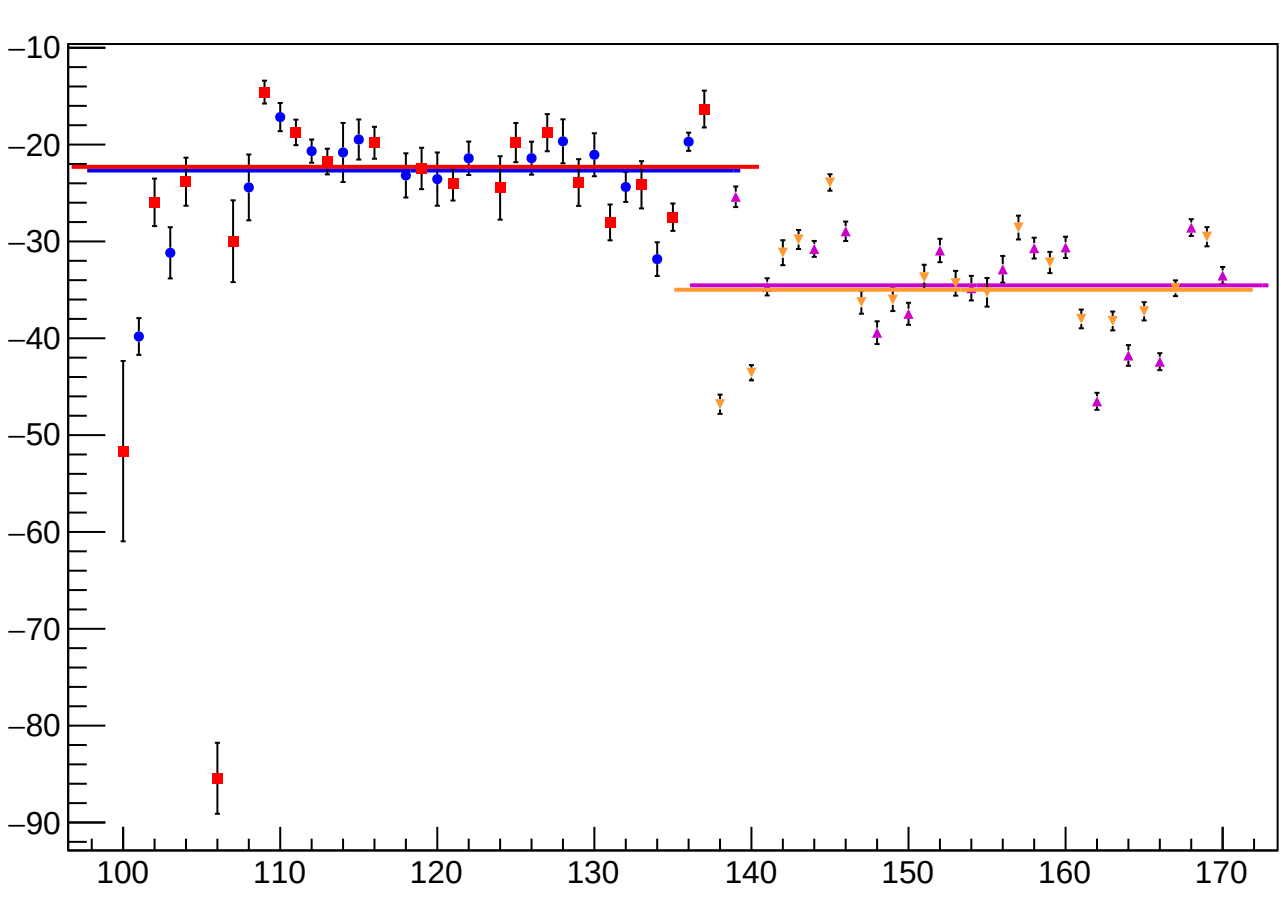
Left: -0.122+/-0.002 χ^2/NDF: 447.1/32

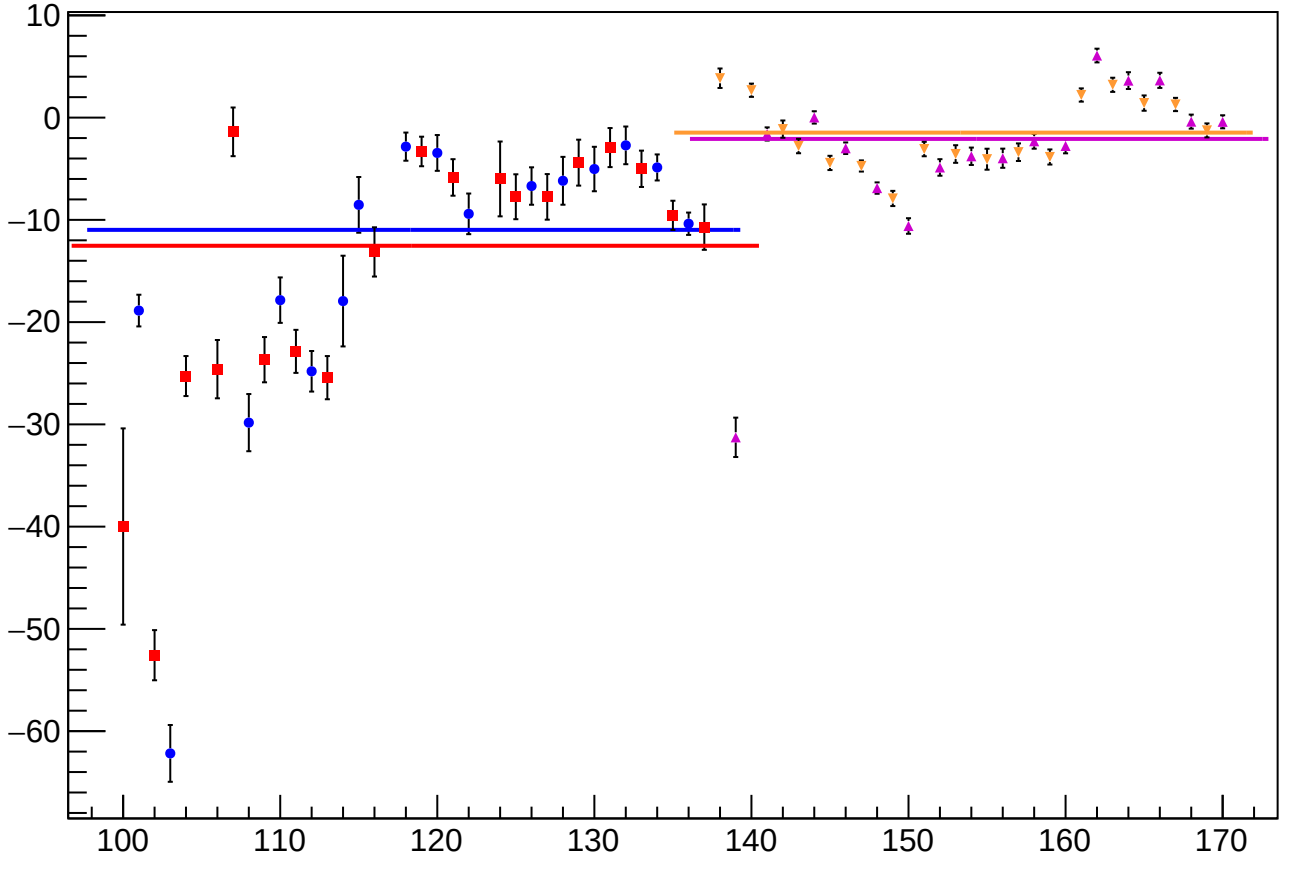
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.093+/-0.003 χ^2/NDF:1365.8/31

Out: -0.107+/-0.003 χ^2/NDF:2846.8/35

All: -0.100+/-0.002 χ^2/NDF: 4222.8/67


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
Right In: -22.675+/-0.435 χ2/NDF: 154.4/15
Left Out: -34.989+/-0.250 χ2/NDF:560.5/16
Right Out: -22.295+/-0.435 χ2/NDF: 405.5/18
Left In: -34.533+/-0.252 χ2/NDF:547.4/15
Left: -34.763+/-0.177 χ2/NDF: 1109.6/32
Right: -22.485+/-0.307 χ2/NDF: 560.3/34
In: -31.548+/-0.218 χ2/NDF:1259.1/31
Out: -31.843+/-0.217 χ2/NDF:1606.0/35
All: -31.696+/-0.154 χ2/NDF: 2866.1/67



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.467+/-0.176 χ^2/NDF:348.2/16

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.084+/-0.178 χ^2/NDF:734.3/15

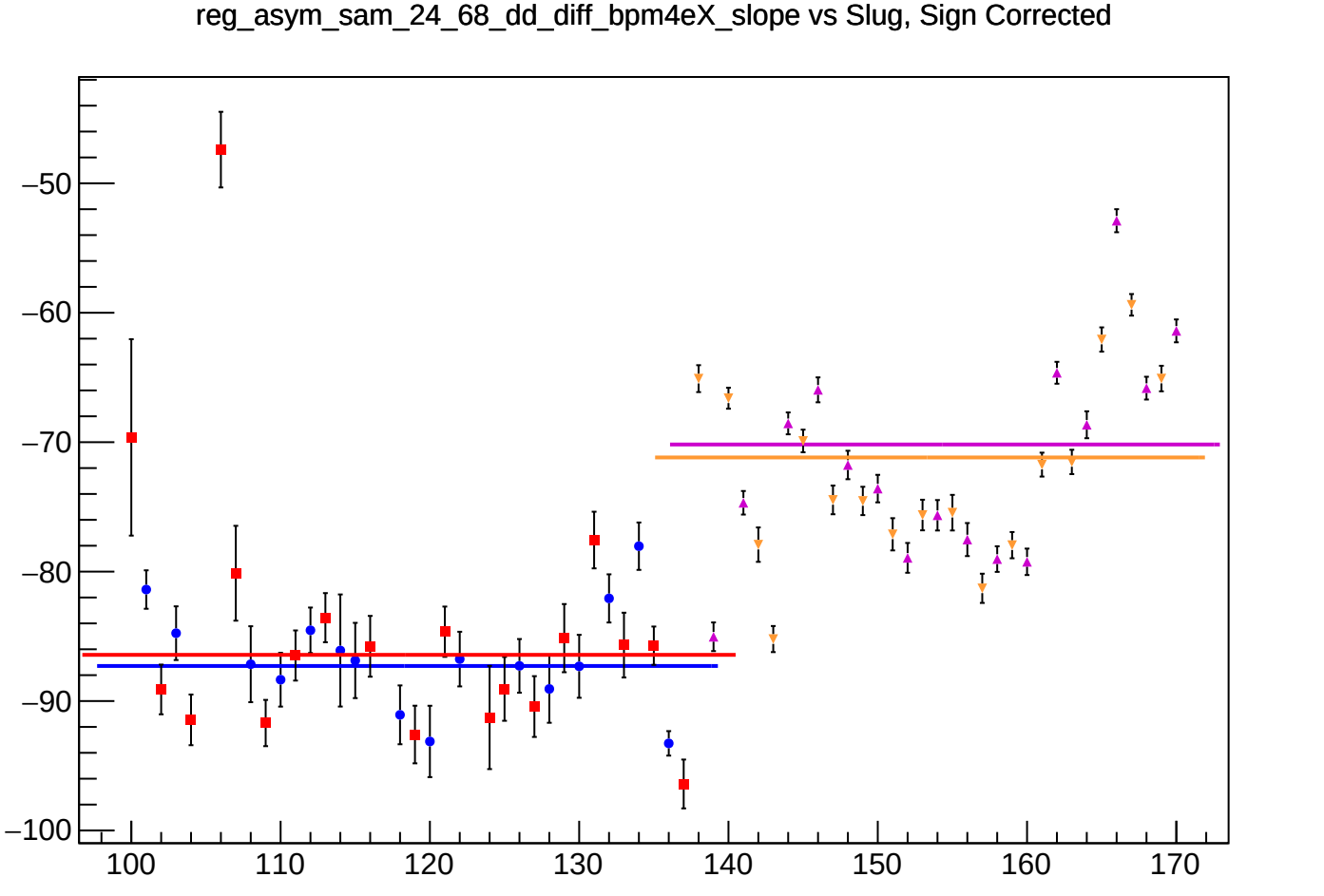
Left: -1.771+/-0.125 χ^2/NDF: 1088.6/32

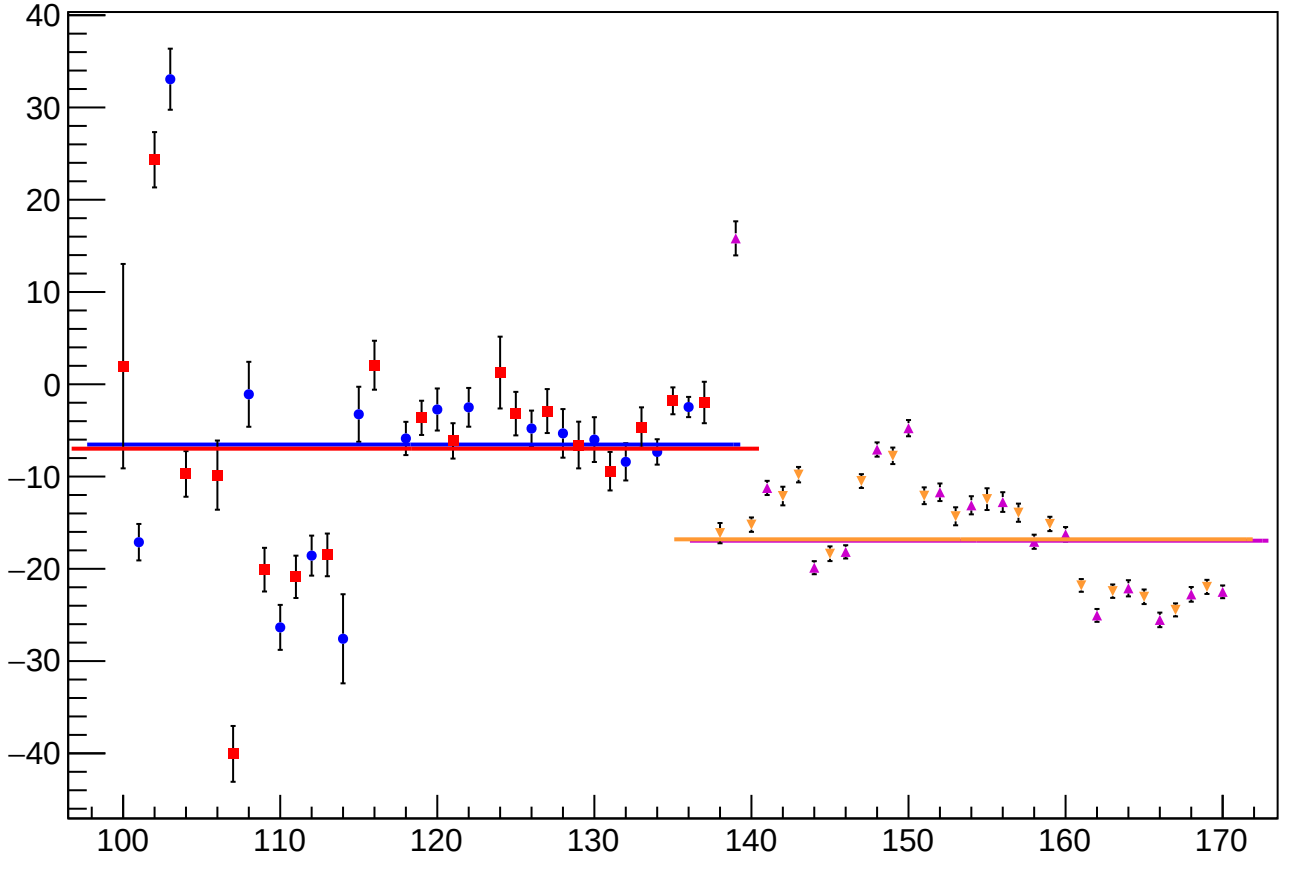
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -3.276+/-0.166 χ^2/NDF:1654.9/31

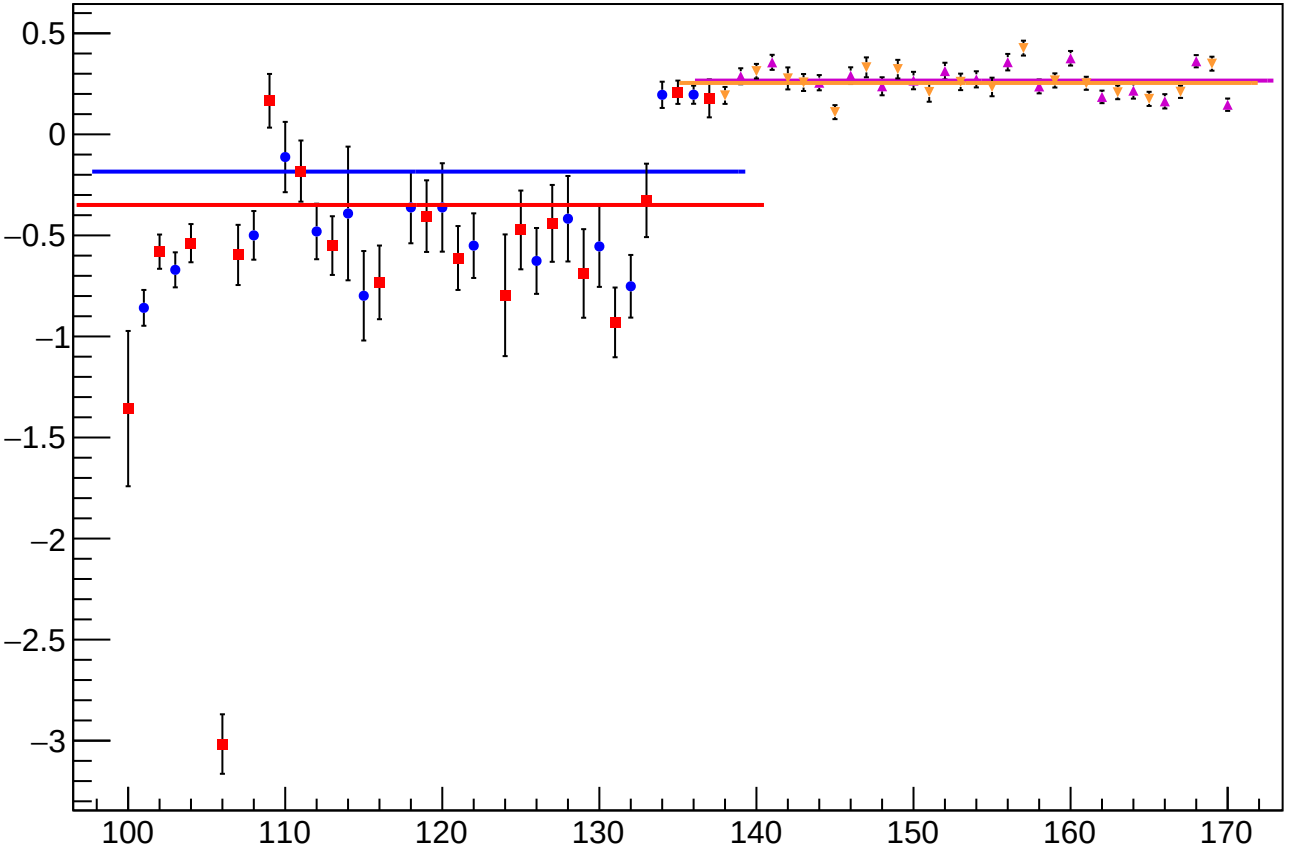
Out: -2.770+/-0.165 χ^2/NDF:1387.3/35

All: -3.022+/-0.117 χ^2/NDF: 3046.9/67


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -71.180+/-0.246 χ²/NDF:811.2/16
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -70.178+/-0.247 χ²/NDF:1056.7/15
Left: -70.680+/-0.174 χ²/NDF: 1876.2/32
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -73.744+/-0.219 χ²/NDF:2161.6/31
Out: -74.096+/-0.221 χ²/NDF:1810.9/35
All: -73.919+/-0.156 χ²/NDF: 3973.8/67


reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
Right In: -6.535+/-0.508 χ²/NDF: 313.9/15
Left Out: -16.805+/-0.202 χ²/NDF:669.4/16
Right Out: -6.979+/-0.542 χ²/NDF: 368.3/18
Left In: -16.953+/-0.205 χ²/NDF:1211.0/15
Left: -16.878+/-0.144 χ²/NDF: 1880.6/32
Right: -6.743+/-0.370 χ²/NDF: 682.6/34
In: -15.494+/-0.190 χ²/NDF:1886.8/31
Out: -15.602+/-0.190 χ²/NDF:1326.5/35
All: -15.548+/-0.134 χ²/NDF: 3213.4/67

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: 0.254+/-0.009 χ^2/NDF:66.5/16

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.266+/-0.009 χ^2/NDF:65.2/15

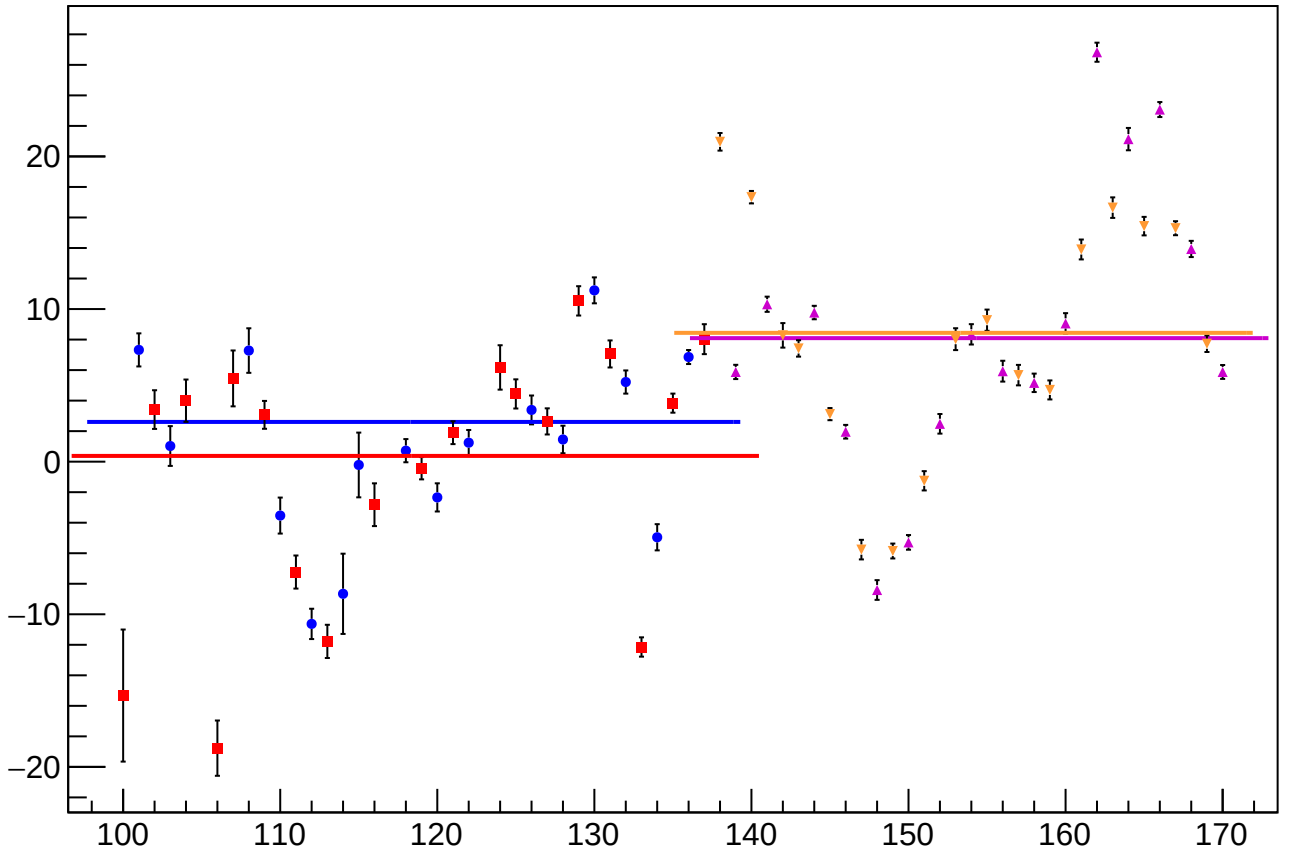
Left: 0.260+/-0.007 χ^2/NDF: 132.5/32

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.218+/-0.009 χ^2/NDF:565.5/31

Out: 0.199+/-0.009 χ^2/NDF:968.3/35

All: 0.209+/-0.006 χ^2/NDF: 1536.1/67



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 8.441+/-0.136 χ^2/NDF:3343.6/16

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.094+/-0.136 χ^2/NDF:4071.4/15

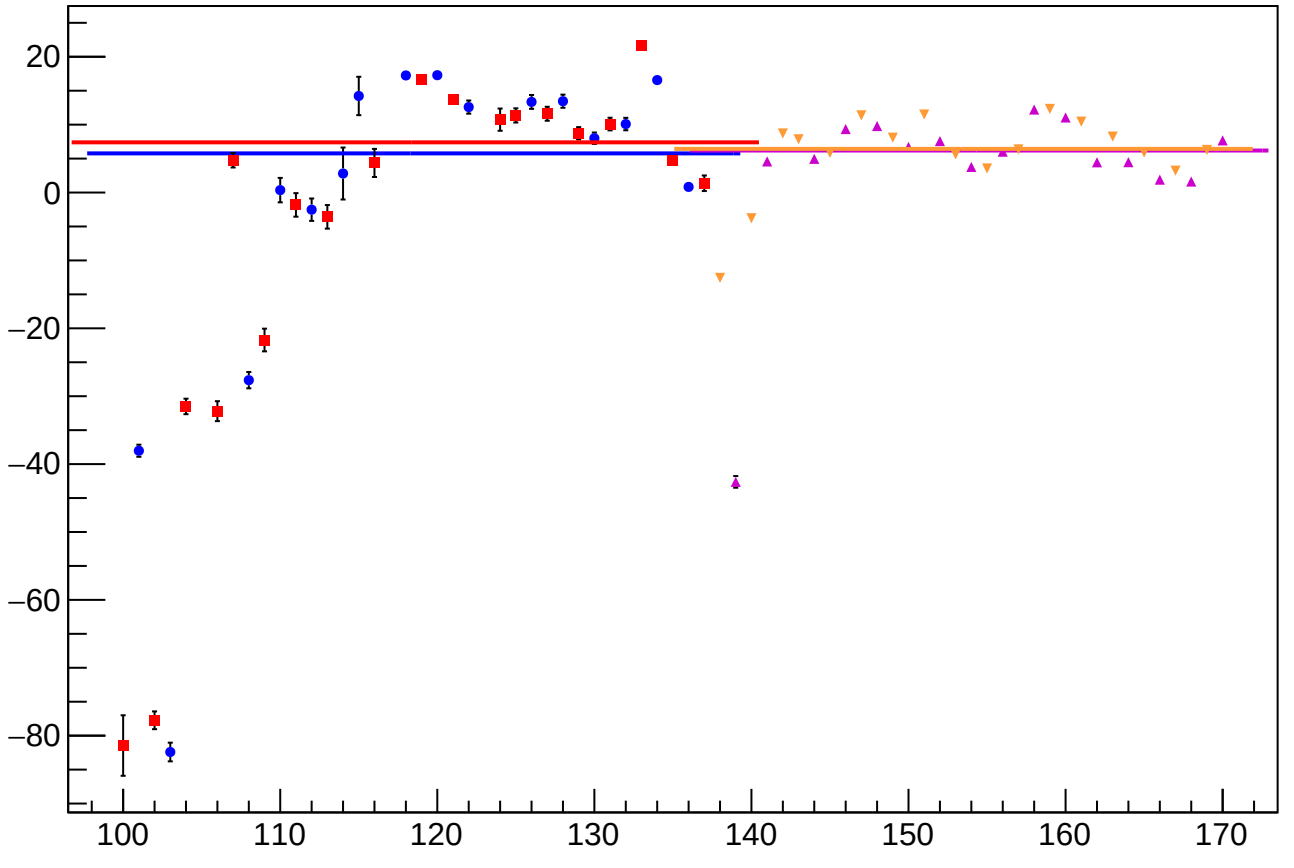
Left: 8.267+/-0.096 χ^2/NDF: 7418.3/32

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 6.618+/-0.116 χ^2/NDF:5083.4/31

Out: 6.234+/-0.116 χ^2/NDF:5330.7/35

All: 6.426+/-0.082 χ^2/NDF: 10419.5/67



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.434+/-0.097 χ^2/NDF:2906.2/16

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.188+/-0.097 χ^2/NDF:4175.6/15

Left: 6.312+/-0.069 χ^2/NDF: 7085.0/32

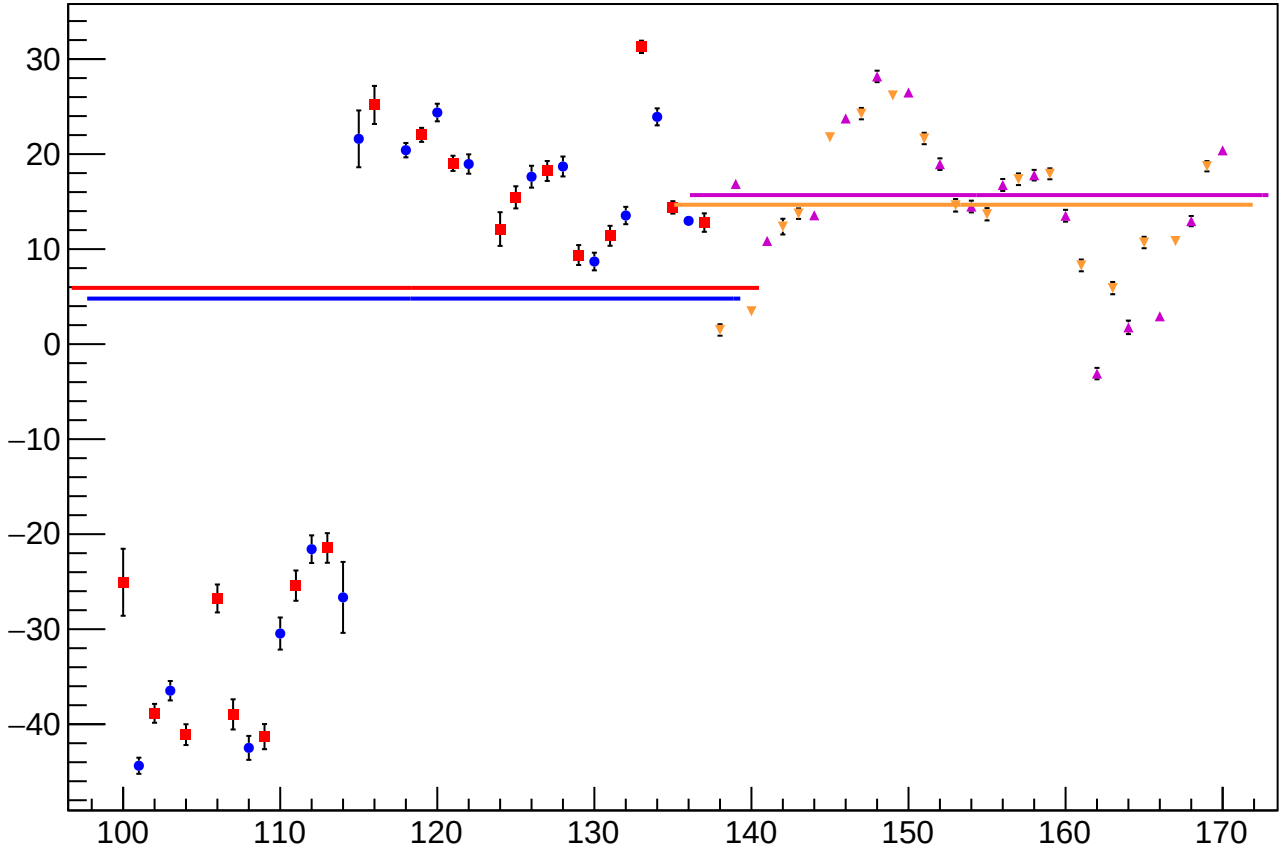
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.114+/-0.088 χ^2/NDF:13112.8/31

Out: 6.603+/-0.088 χ^2/NDF:11314.1/35

All: 6.360+/-0.062 χ^2/NDF: 24442.3/67

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.669+/-0.134 χ^2/NDF:3040.2/16

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.685+/-0.133 χ^2/NDF:3668.6/15

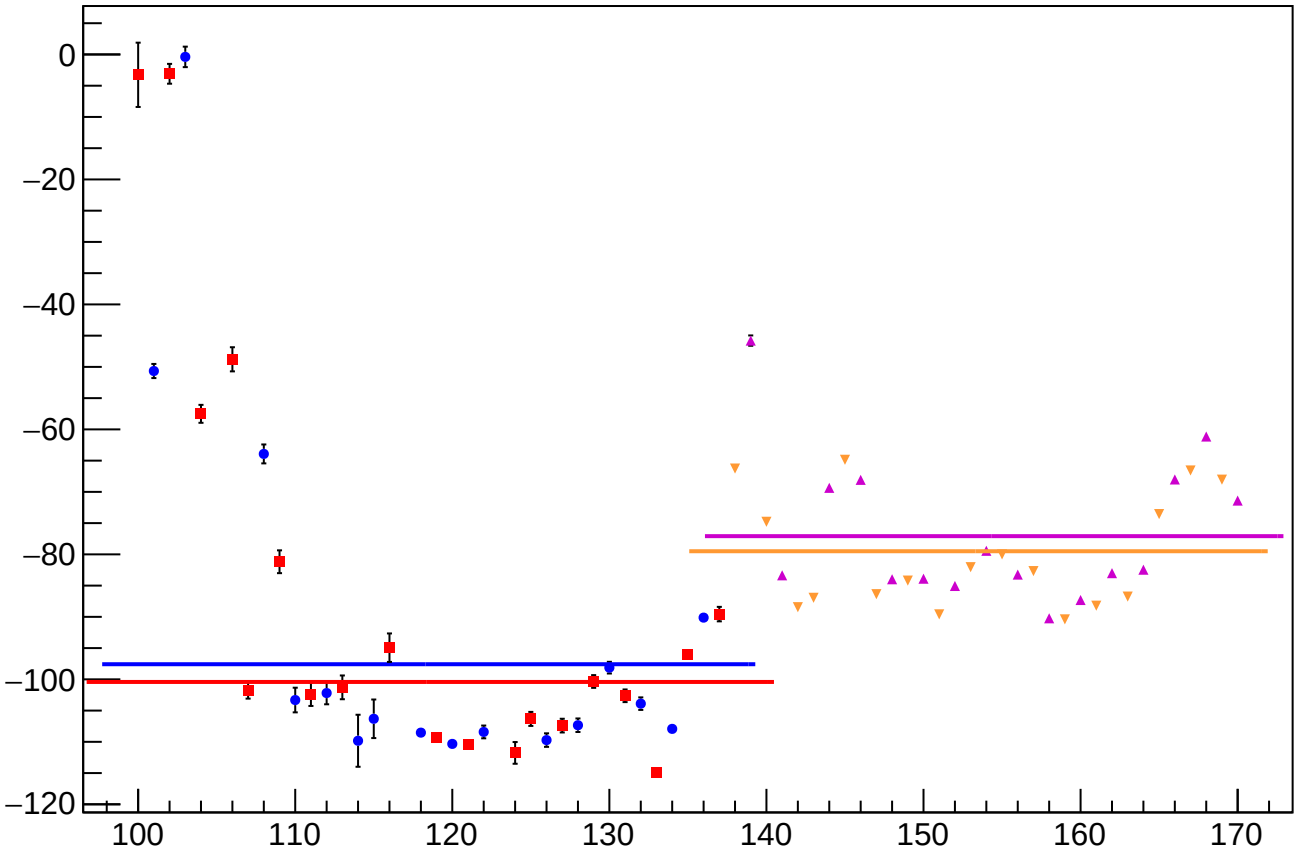
Left: 15.182+/-0.094 χ^2/NDF: 6737.8/32

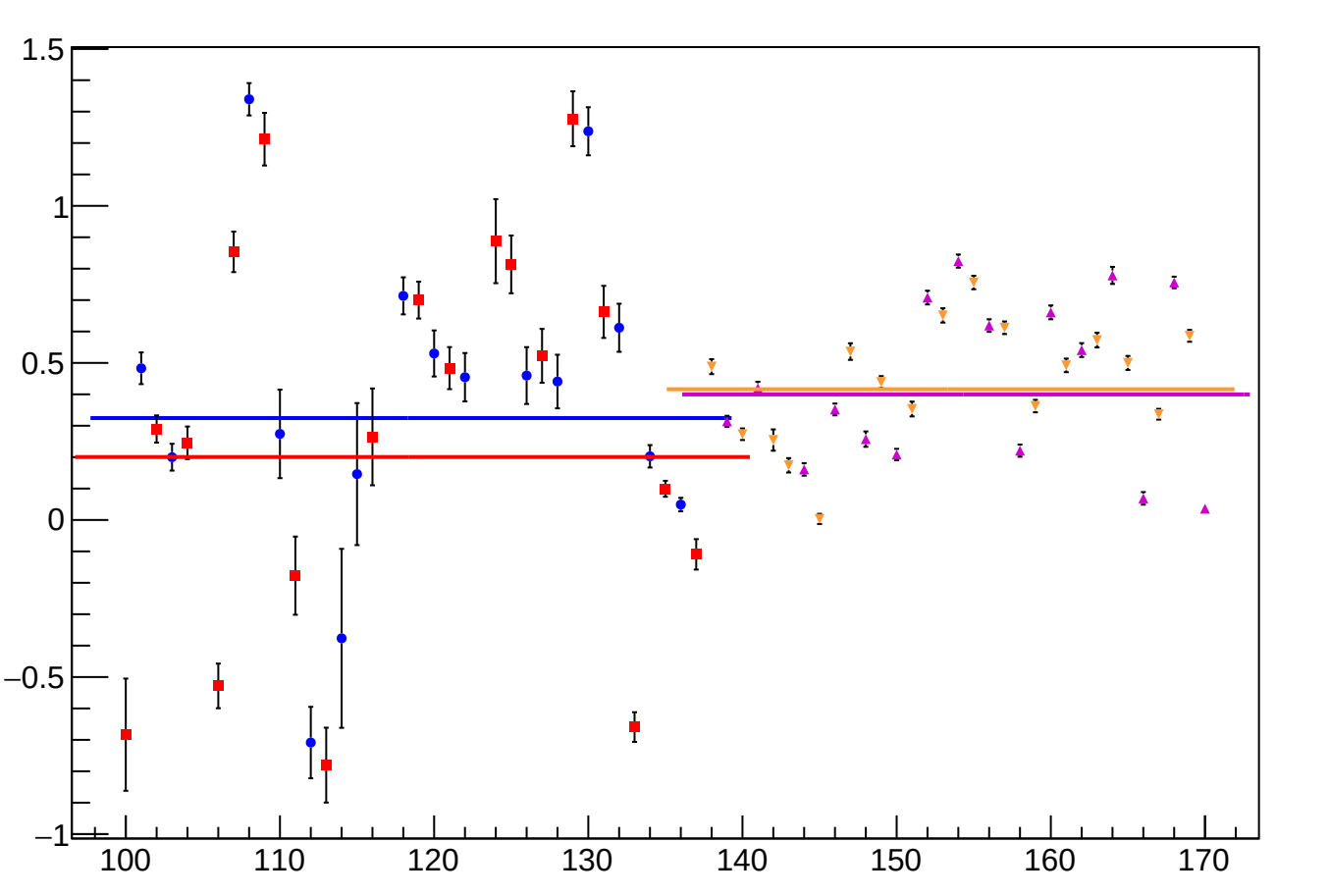
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.085+/-0.116 χ^2/NDF:14767.6/31

Out: 12.583+/-0.117 χ^2/NDF:14112.4/35

All: 12.837+/-0.082 χ^2/NDF: 28889.2/67


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -97.581+/-0.242 χ²/NDF: 7144.2/15
Left Out: -79.500+/-0.112 χ²/NDF:6584.1/16
Right Out: -100.418+/-0.241 χ²/NDF: 7115.7/18
Left In: -77.086+/-0.112 χ²/NDF:7086.0/15
Left: -78.296+/-0.079 χ²/NDF: 13902.6/32
Right: -99.004+/-0.171 χ²/NDF: 14329.0/34
In: -80.714+/-0.102 χ²/NDF:20148.5/31
Out: -83.205+/-0.101 χ²/NDF:19900.5/35
All: -81.962+/-0.072 χ²/NDF: 40349.8/67



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.416+/-0.005 χ^2/NDF:1512.3/16

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.400+/-0.005 χ^2/NDF:2693.4/15

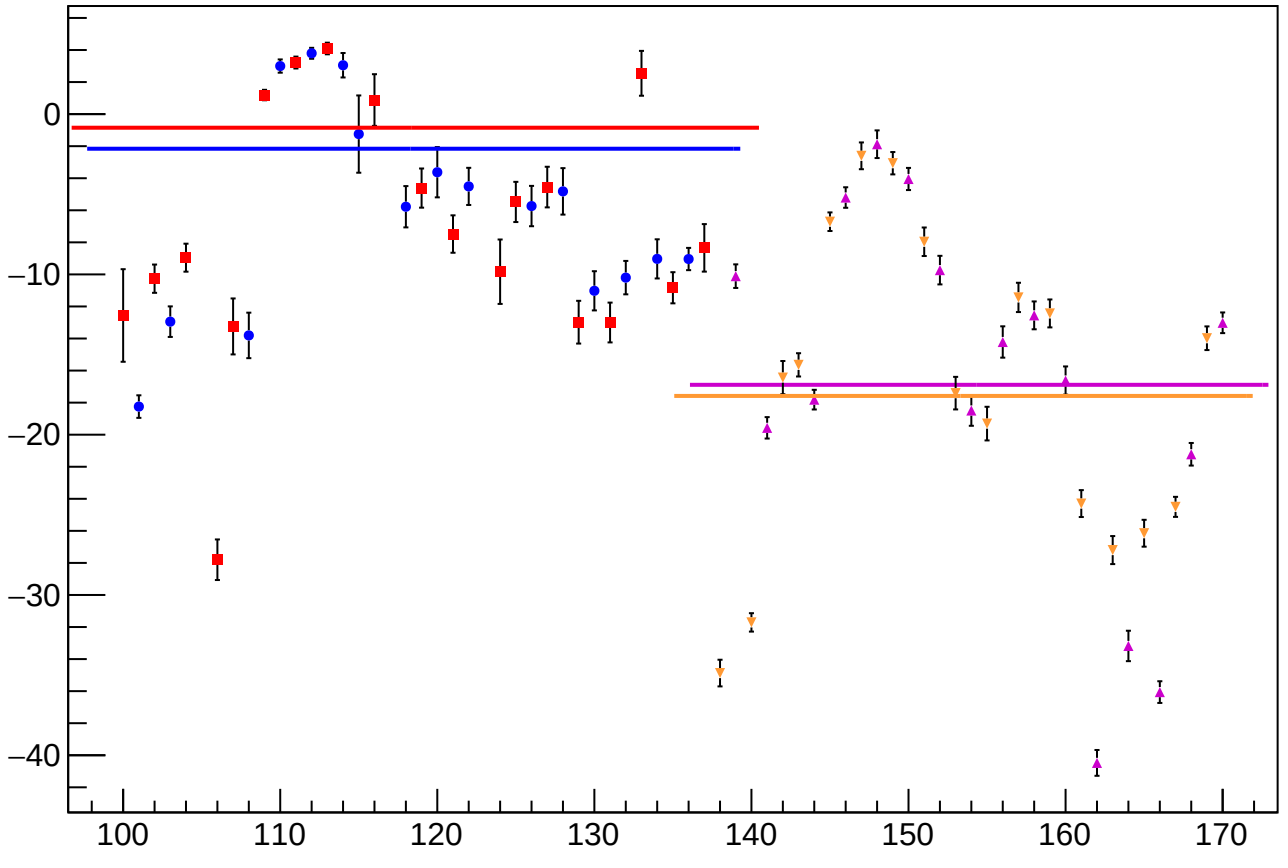
Left: 0.408+/-0.004 χ^2/NDF: 4211.1/32

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.390+/-0.005 χ^2/NDF:3608.0/31

Out: 0.390+/-0.005 χ^2/NDF:2932.4/35

All: 0.390+/-0.003 χ^2/NDF: 6540.4/67



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.582+/-0.189 χ^2/NDF:2787.4/16

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -16.889+/-0.189 χ^2/NDF:3211.6/15

Left: -17.236+/-0.134 χ^2/NDF: 6005.7/32

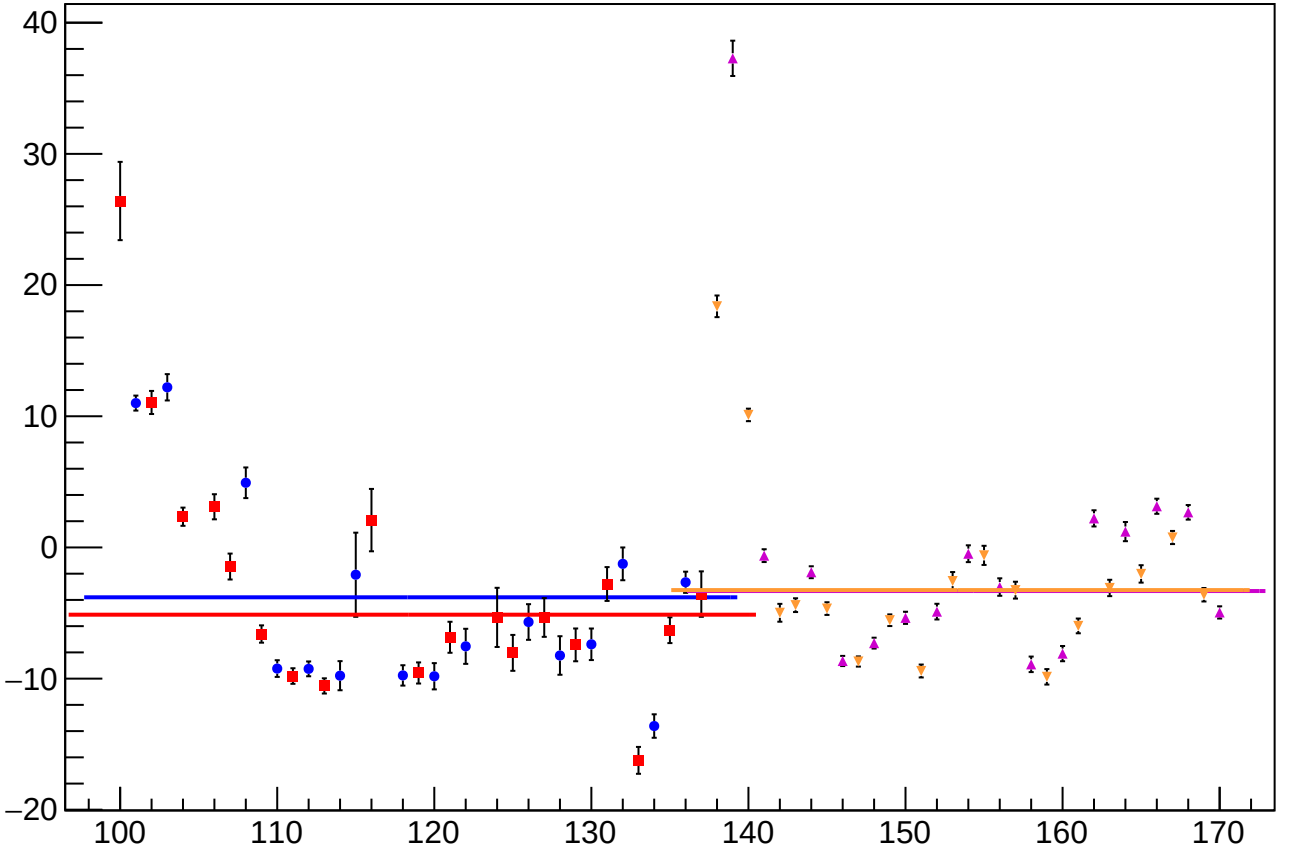
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.626+/-0.135 χ^2/NDF:7686.4/31

Out: -8.347+/-0.127 χ^2/NDF:8574.5/35

All: -8.946+/-0.092 χ^2/NDF: 16308.7/67

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.251+/-0.133 χ^2/NDF:2099.1/16

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.323+/-0.134 χ^2/NDF:1807.0/15

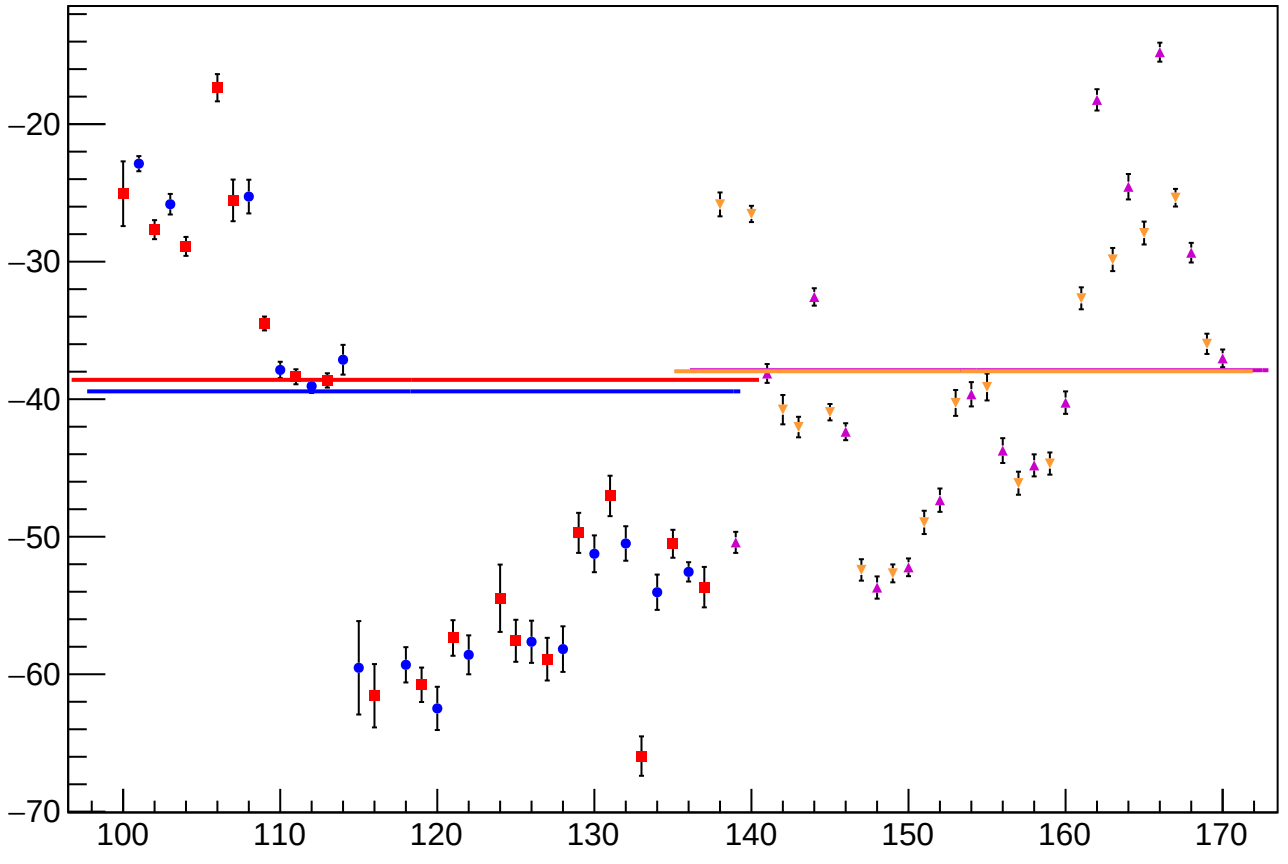
Left: -3.286+/-0.094 χ^2/NDF: 3906.2/32

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.448+/-0.115 χ^2/NDF:3235.8/31

Out: -3.756+/-0.113 χ^2/NDF:3133.3/35

All: -3.604+/-0.081 χ^2/NDF: 6372.7/67



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.968+/-0.186 χ^2/NDF:2500.8/16

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -37.893+/-0.185 χ^2/NDF:3637.4/15

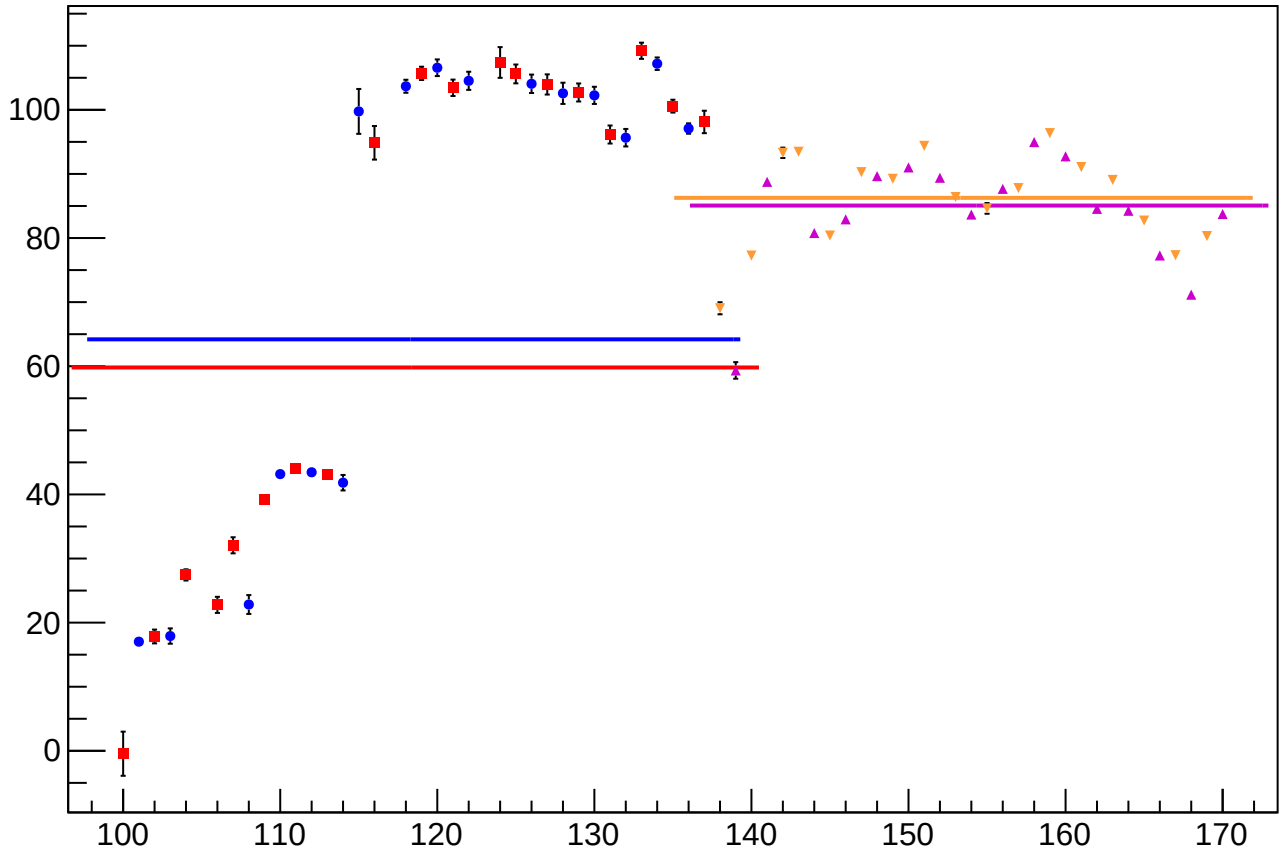
Left: -37.931+/-0.131 χ^2/NDF: 6138.3/32

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.513+/-0.143 χ^2/NDF:6623.3/31

Out: -38.239+/-0.140 χ^2/NDF:5277.8/35

All: -38.373+/-0.100 χ^2/NDF: 11903.0/67



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.270+/-0.154 χ^2/NDF:1915.6/16

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.066+/-0.155 χ^2/NDF:1796.2/15

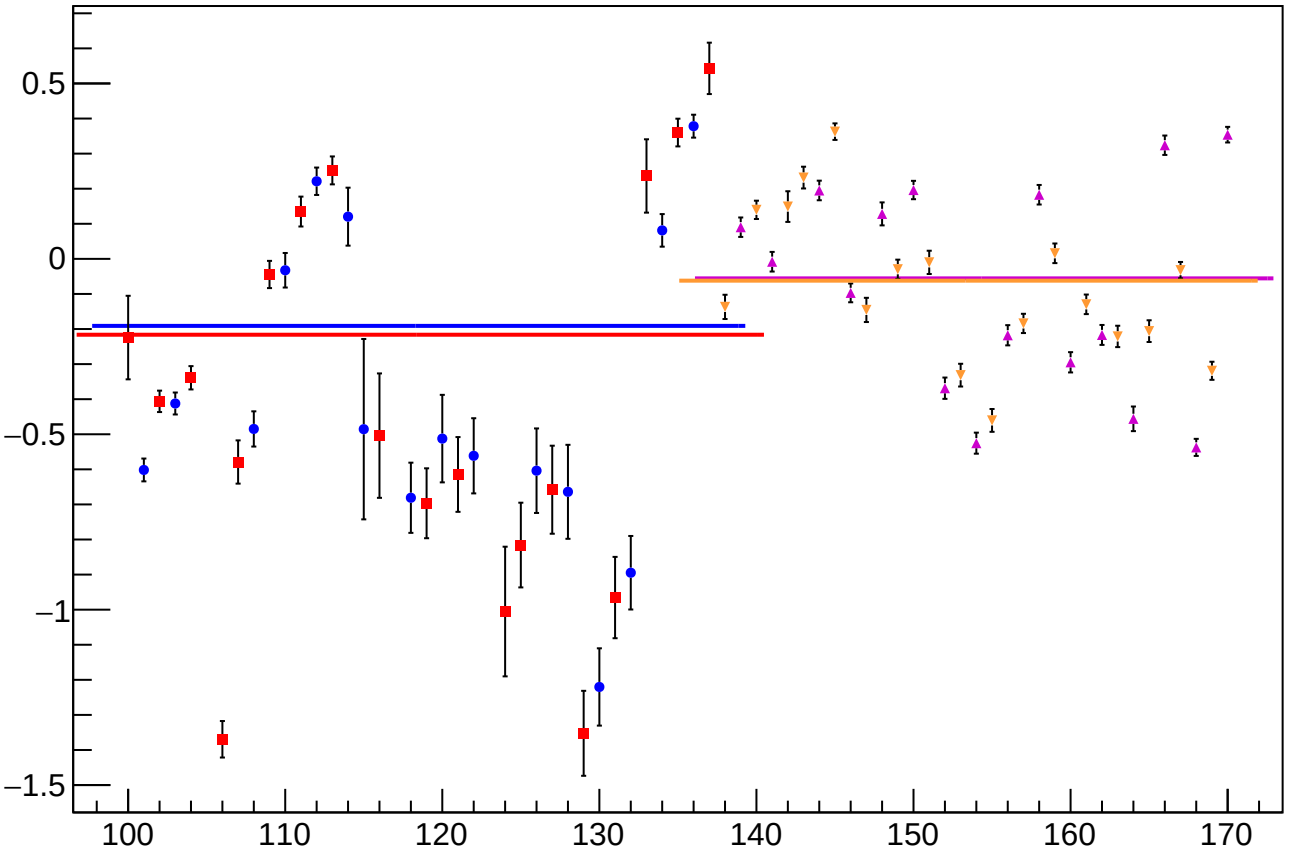
Left: 85.672+/-0.109 χ^2/NDF: 3742.1/32

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.521+/-0.133 χ^2/NDF:25216.2/31

Out: 78.943+/-0.131 χ^2/NDF:27532.8/35

All: 79.228+/-0.093 χ^2/NDF: 52758.6/67



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.062+/-0.007 χ^2/NDF:914.7/16

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.056+/-0.007 χ^2/NDF:1844.1/15

Left: -0.059+/-0.005 χ^2/NDF: 2759.2/32

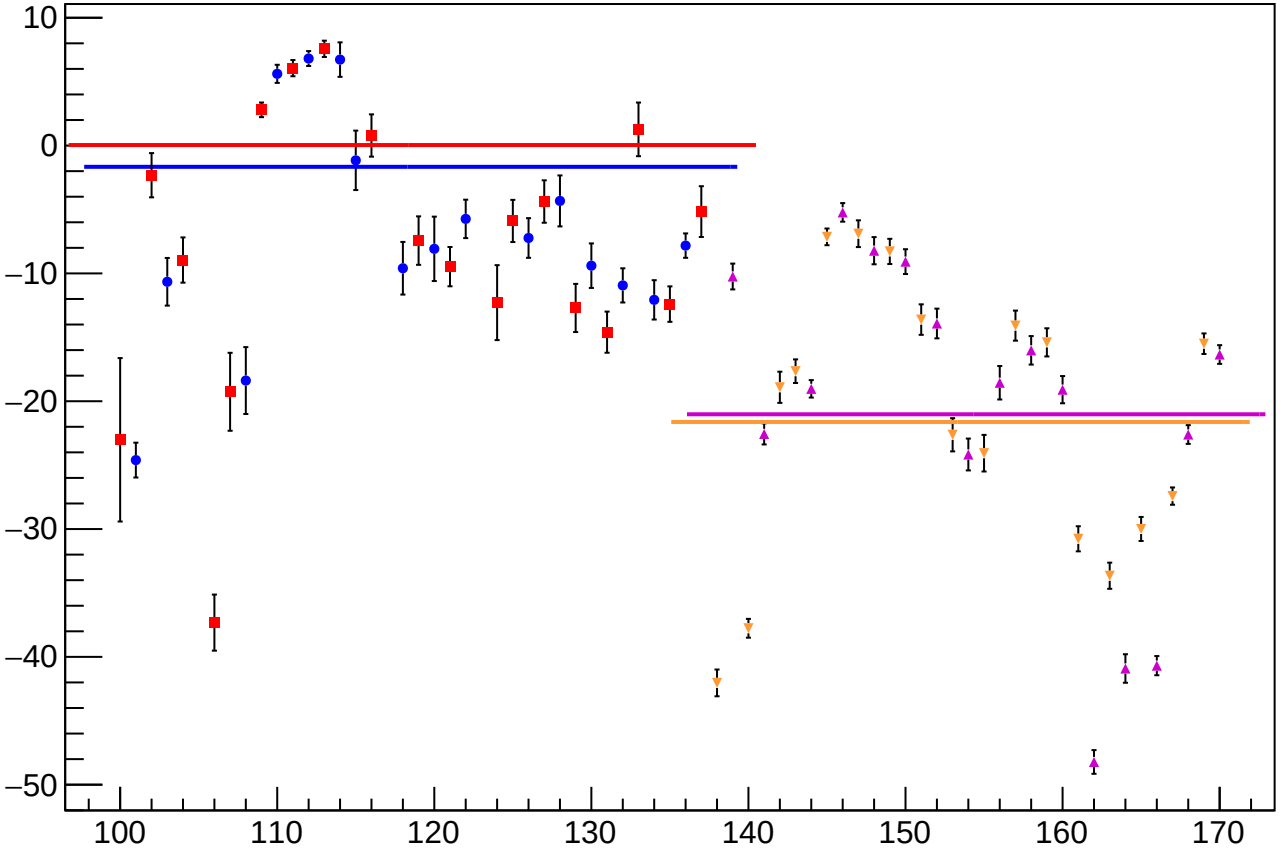
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.084+/-0.006 χ^2/NDF:2842.5/31

Out: -0.098+/-0.006 χ^2/NDF:2392.1/35

All: -0.091+/-0.004 χ^2/NDF: 5236.9/67

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: -21.622+/-0.229 χ^2/NDF:2313.9/16

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.020+/-0.226 χ^2/NDF:2875.3/15

Left: -21.317+/-0.161 χ^2/NDF: 5192.8/32

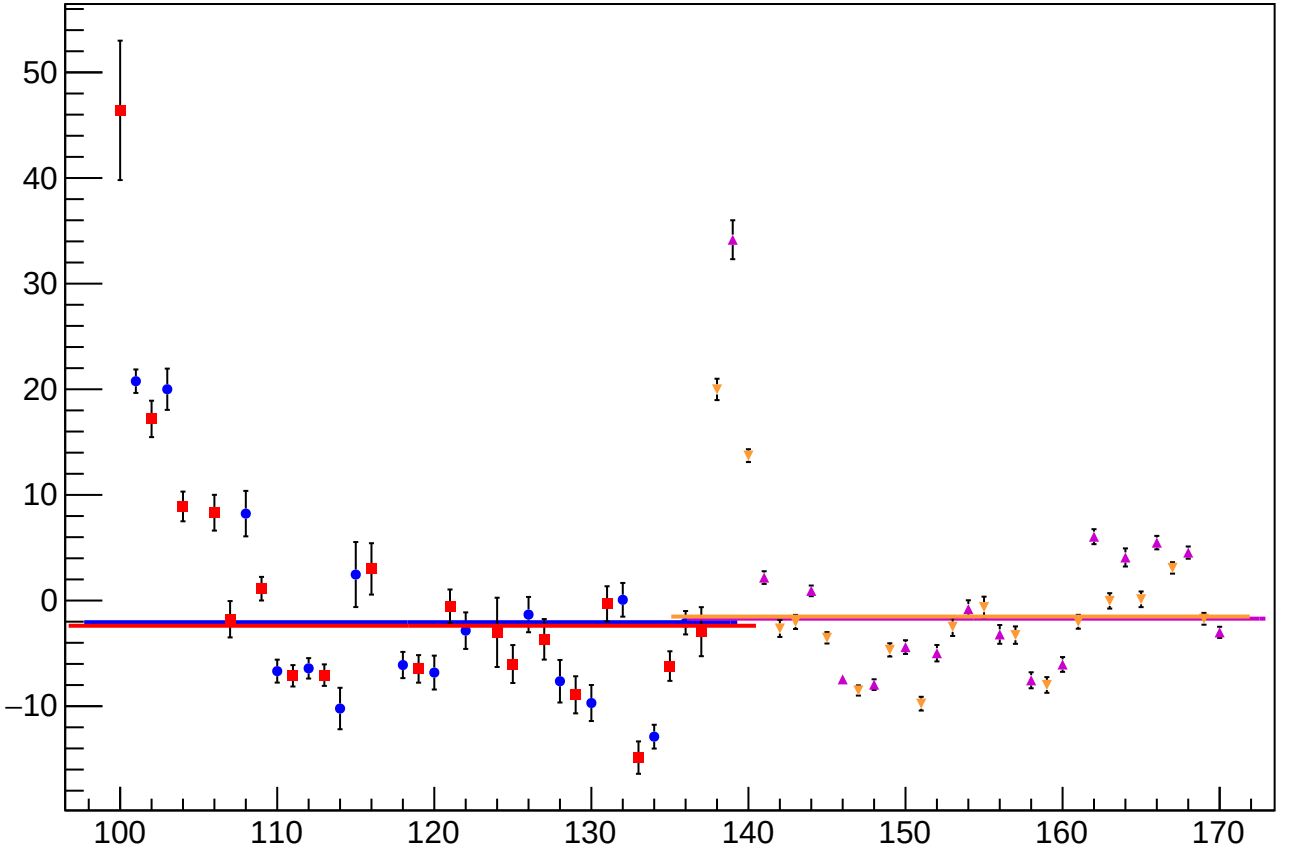
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -14.242+/-0.182 χ^2/NDF:6341.9/31

Out: -13.010+/-0.178 χ^2/NDF:6803.2/35

All: -13.610+/-0.127 χ^2/NDF: 13168.5/67

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: -1.517+/-0.161 χ^2/NDF:1657.2/16

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.713+/-0.160 χ^2/NDF:1331.1/15

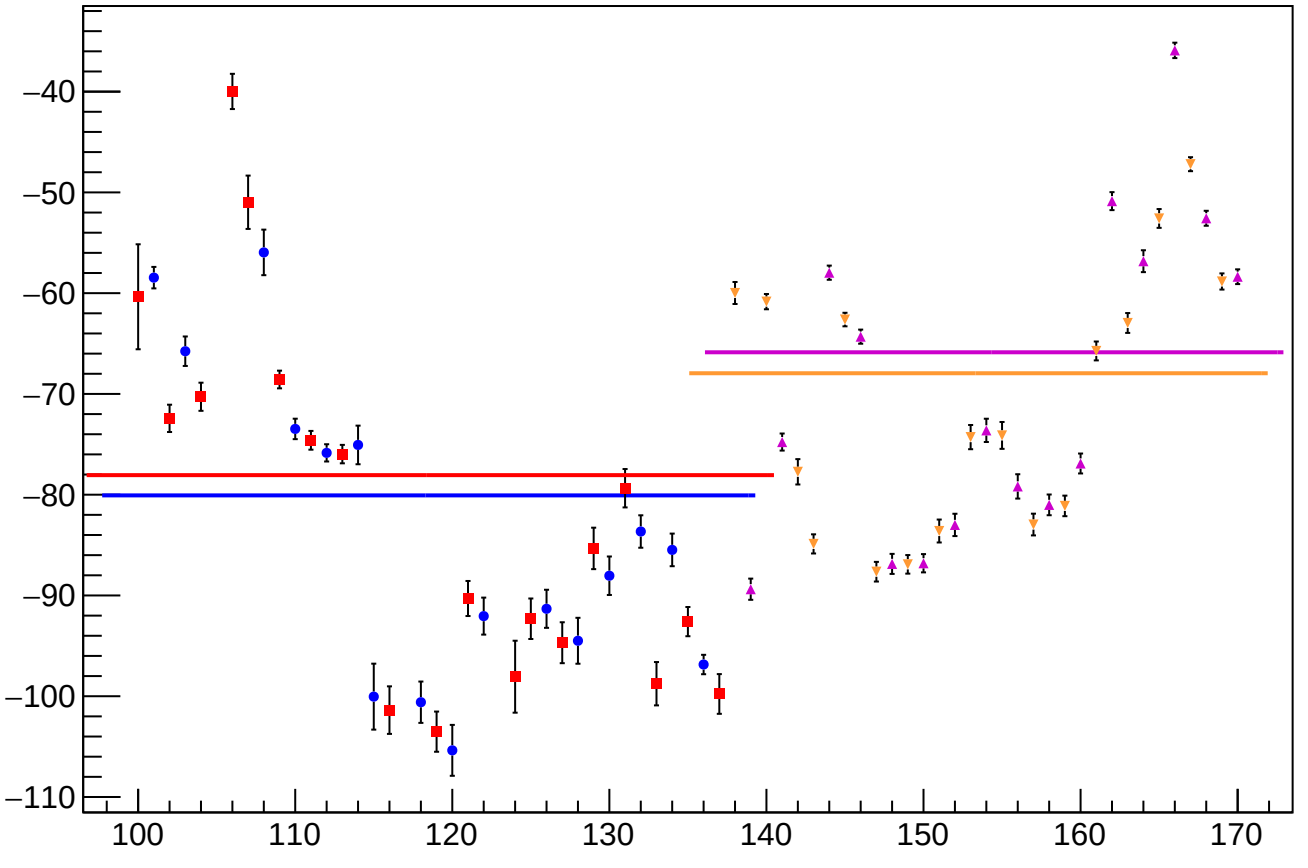
Left: -1.616+/-0.114 χ^2/NDF: 2989.0/32

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.770+/-0.146 χ^2/NDF:2103.8/31

Out: -1.666+/-0.147 χ^2/NDF:2113.0/35

All: -1.718+/-0.103 χ^2/NDF: 4217.0/67



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -67.947+/-0.226 χ^2/NDF:3338.3/16

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -65.867+/-0.222 χ^2/NDF:4779.1/15

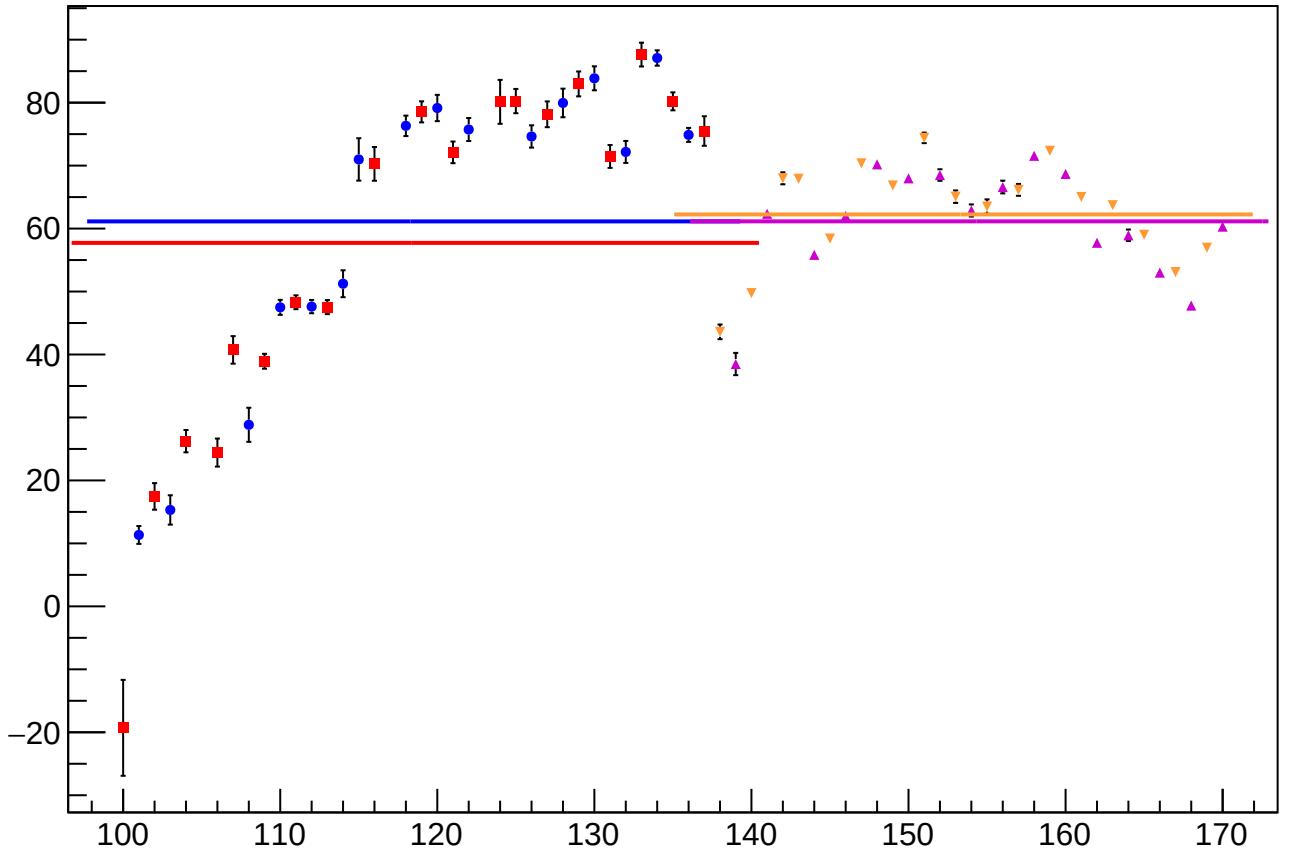
Left: -66.888+/-0.158 χ^2/NDF: 8160.5/32

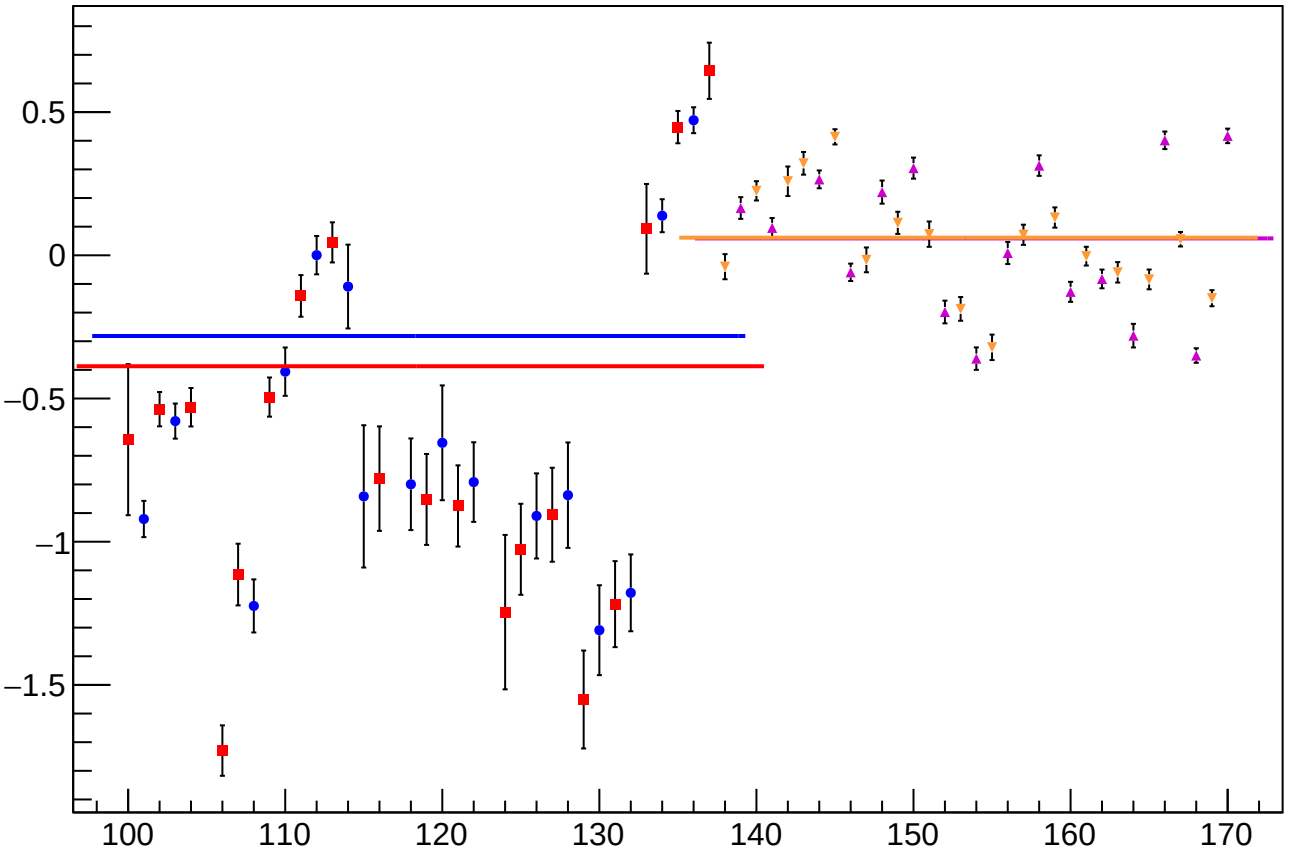
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -69.710+/-0.190 χ^2/NDF:7274.1/31

Out: -70.882+/-0.190 χ^2/NDF:5480.2/35

All: -70.293+/-0.134 χ^2/NDF: 12773.3/67


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 61.139+/-0.401 χ²/NDF: 3229.3/15
Left Out: 62.242+/-0.186 χ²/NDF:1617.2/16
Right Out: 57.728+/-0.400 χ²/NDF: 2775.6/18
Left In: 61.145+/-0.185 χ²/NDF:1433.5/15
Left: 61.688+/-0.131 χ²/NDF: 3068.2/32
Right: 59.431+/-0.283 χ²/NDF: 6041.2/34
In: 61.144+/-0.168 χ²/NDF:4662.8/31
Out: 61.436+/-0.169 χ²/NDF:4497.4/35
All: 61.289+/-0.119 χ²/NDF: 9161.7/67



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.062+/-0.009 χ^2/NDF:470.7/16

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.059+/-0.008 χ^2/NDF:1037.2/15

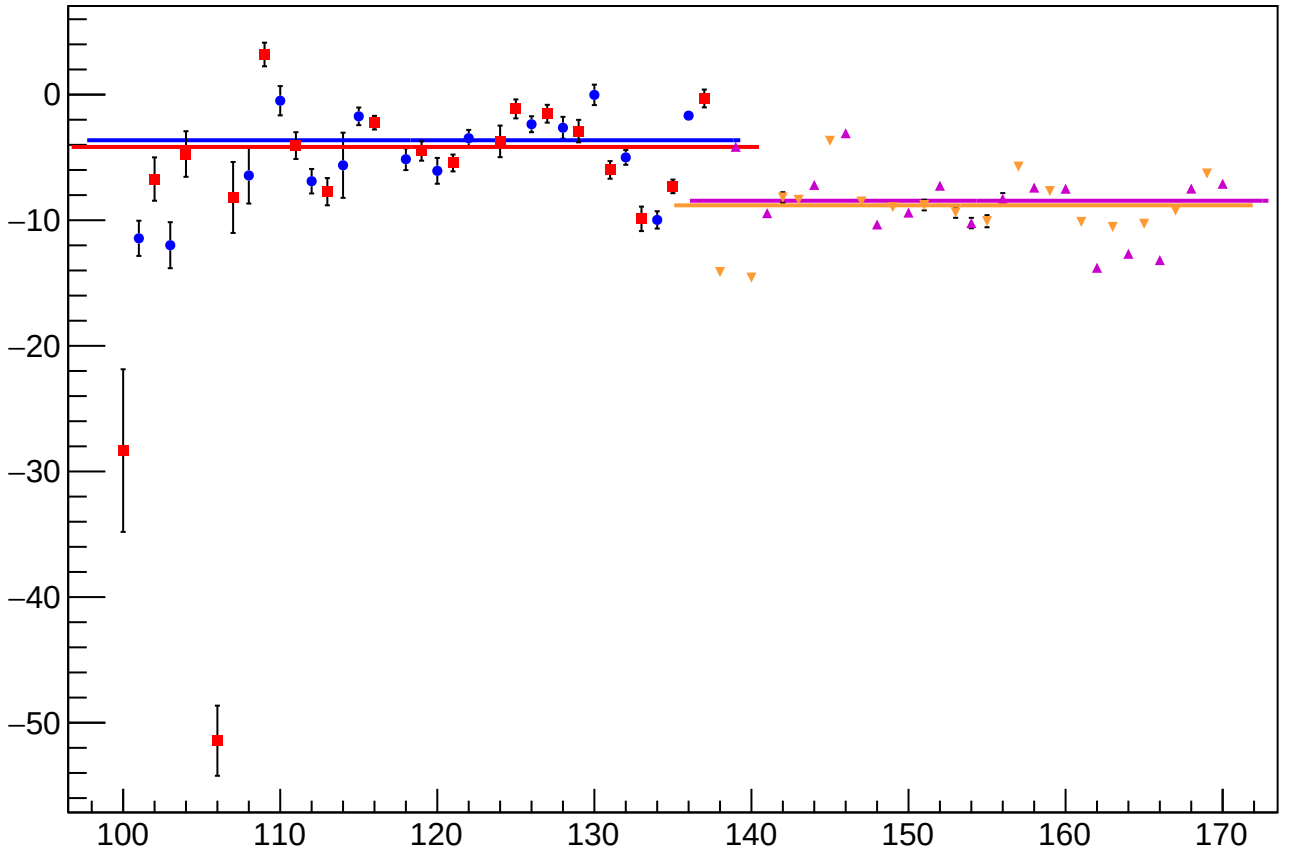
Left: 0.060+/-0.006 χ^2/NDF: 1507.9/32

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.015+/-0.008 χ^2/NDF:1981.2/31

Out: 0.002+/-0.008 χ^2/NDF:1653.7/35

All: 0.008+/-0.006 χ^2/NDF: 3636.2/67



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.814+/-0.076 χ^2/NDF:1527.8/16

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.449+/-0.074 χ^2/NDF:1750.1/15

Left: -8.627+/-0.053 χ^2/NDF: 3289.9/32

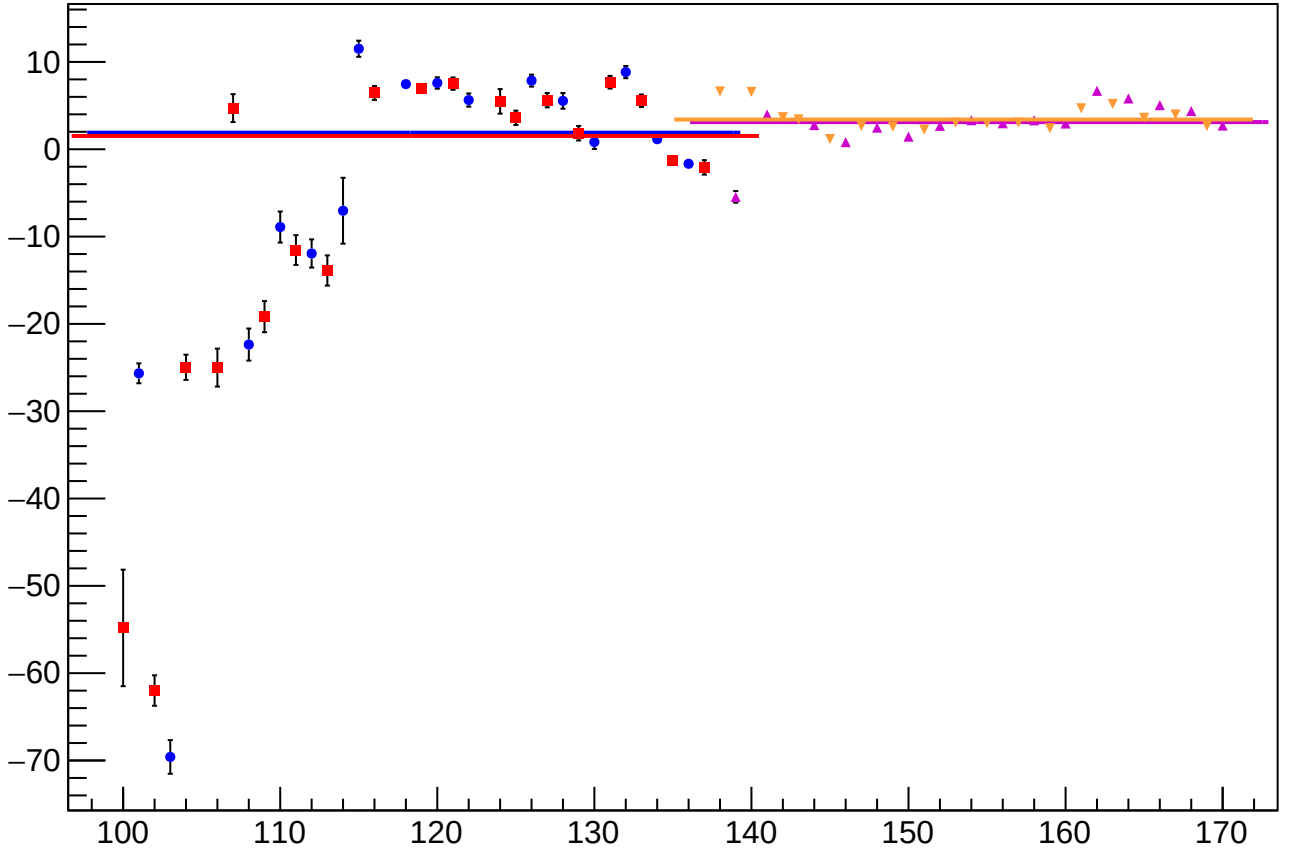
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.811+/-0.069 χ^2/NDF:2547.8/31

Out: -8.229+/-0.071 χ^2/NDF:2532.1/35

All: -8.015+/-0.049 χ^2/NDF: 5097.9/67

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: 3.403+/-0.054 χ^2/NDF:667.8/16

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.113+/-0.052 χ^2/NDF:1049.9/15

Left: 3.254+/-0.037 χ^2/NDF: 1732.7/32

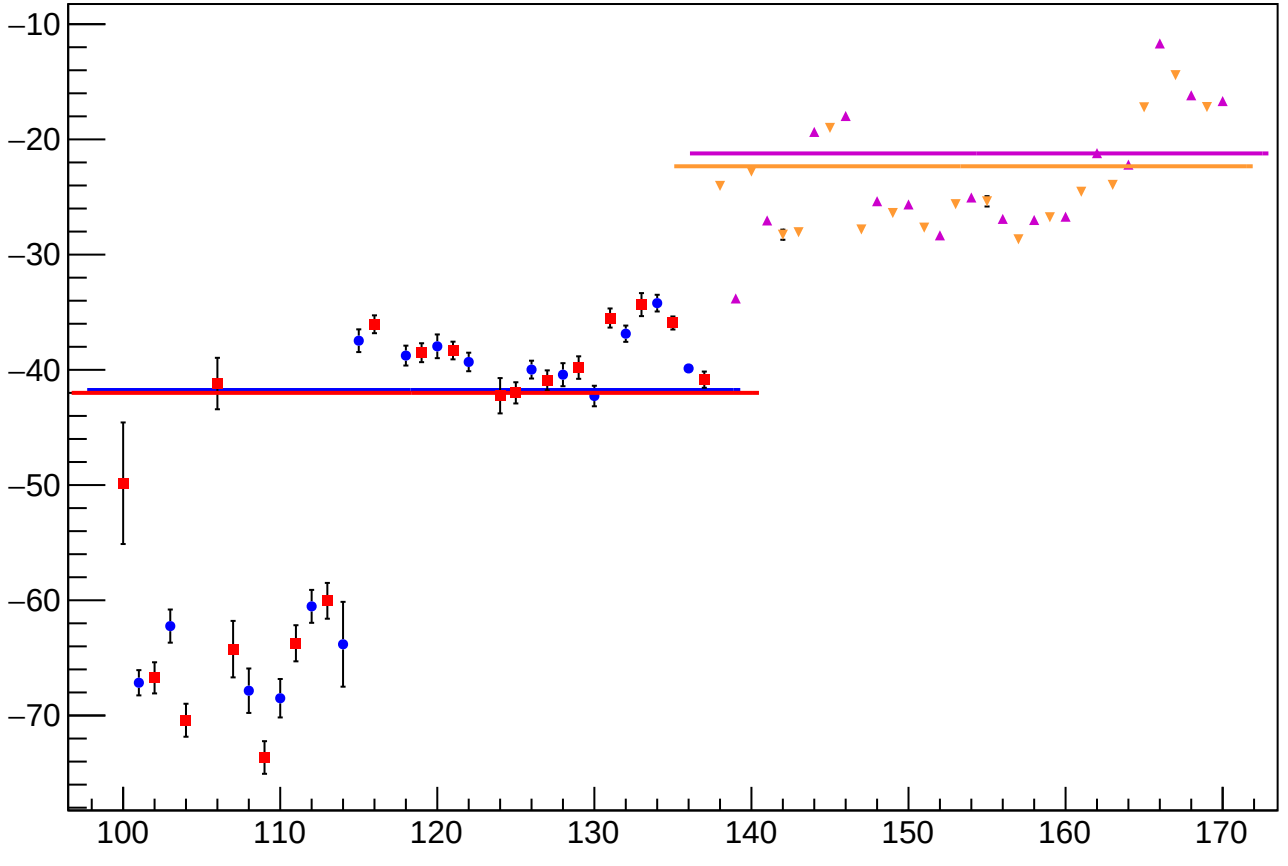
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.027+/-0.050 χ^2/NDF:3926.5/31

Out: 3.286+/-0.052 χ^2/NDF:3303.8/35

All: 3.152+/-0.036 χ^2/NDF: 7243.1/67

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -22.333+/-0.075 χ^2/NDF:4098.7/16

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -21.217+/-0.073 χ^2/NDF:5774.2/15

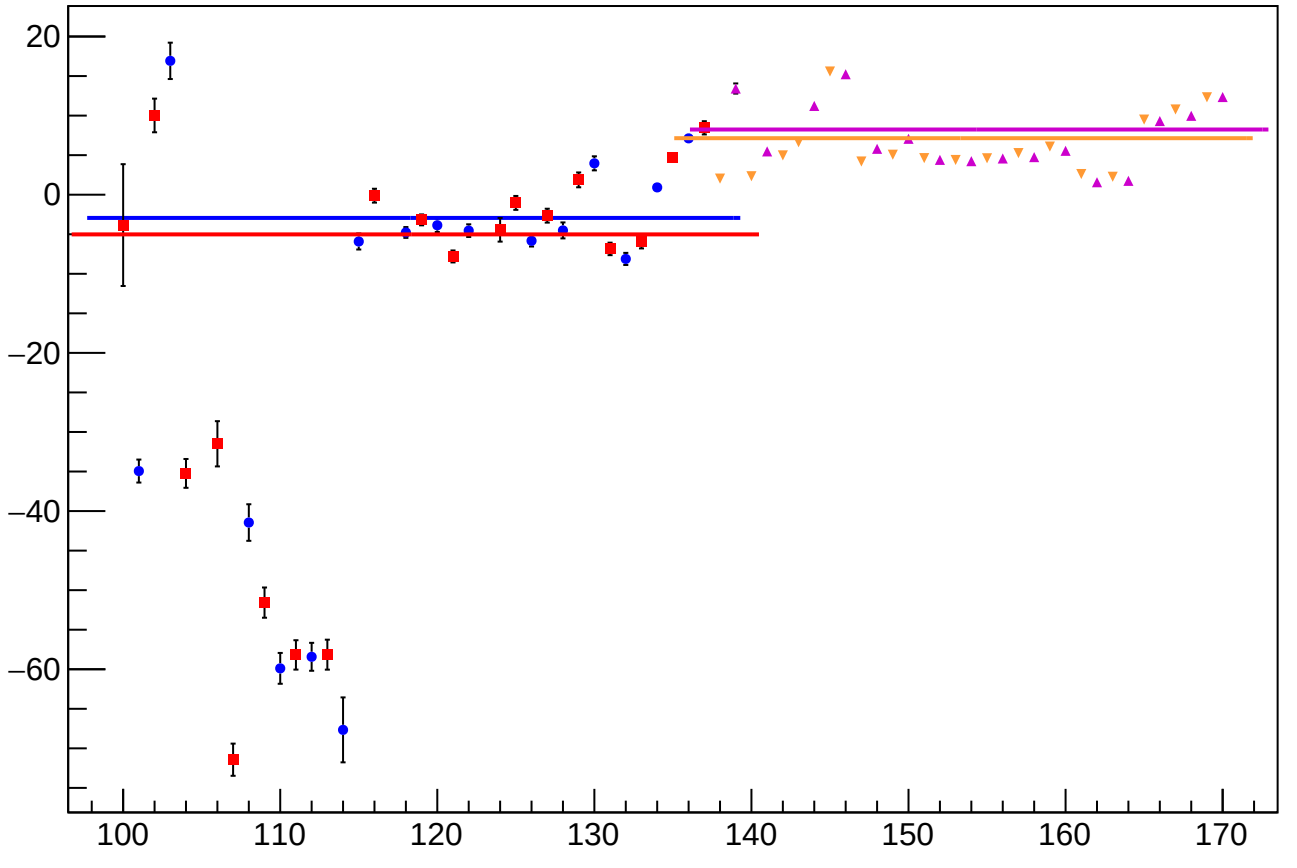
Left: -21.758+/-0.052 χ^2/NDF: 9987.7/32

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -23.449+/-0.068 χ^2/NDF:16125.5/31

Out: -24.237+/-0.071 χ^2/NDF:12787.8/35

All: -23.829+/-0.049 χ^2/NDF: 28977.0/67



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 7.144+/-0.062 χ^2/NDF:4775.0/16

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.242+/-0.060 χ^2/NDF:4885.7/15

Left: 7.705+/-0.043 χ^2/NDF: 9823.4/32

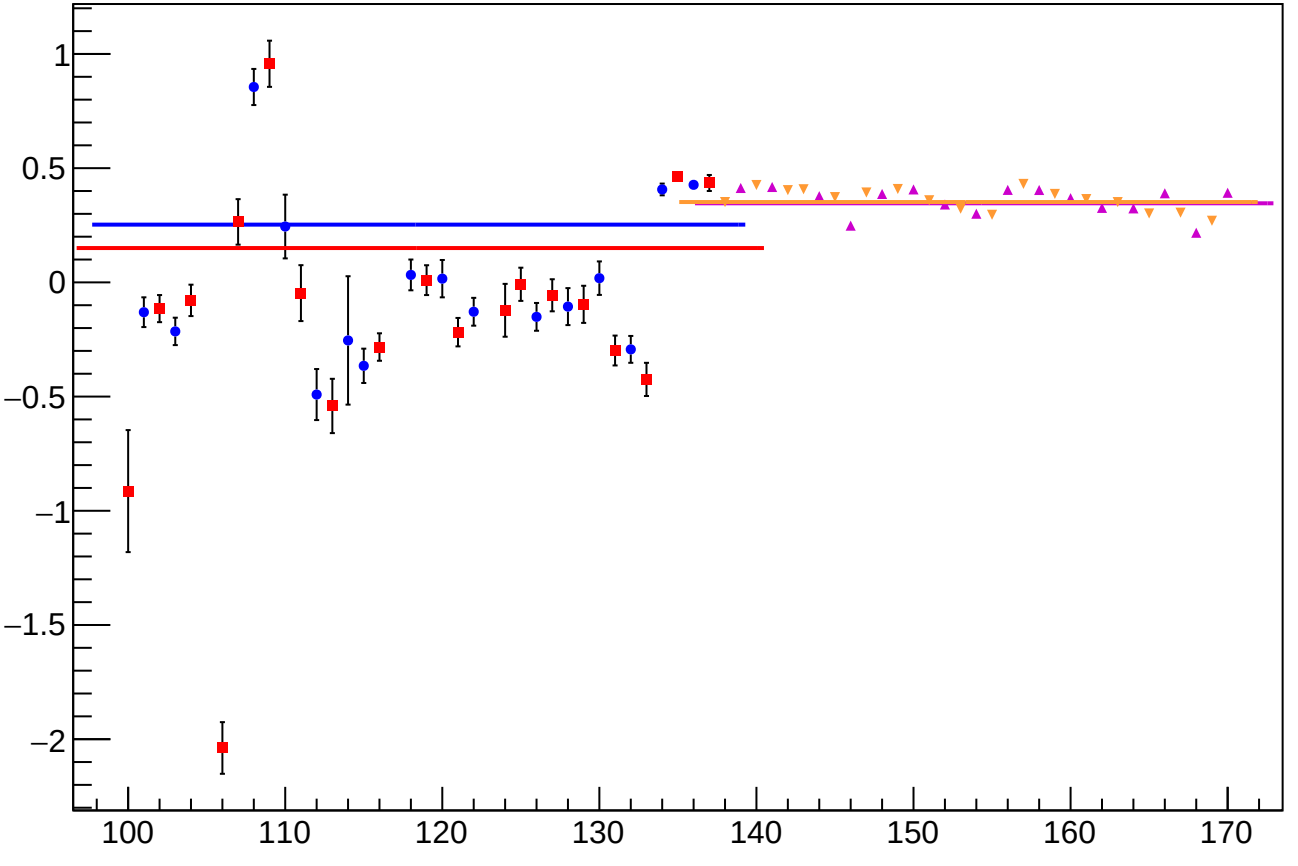
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.391+/-0.058 χ^2/NDF:11237.5/31

Out: 6.344+/-0.059 χ^2/NDF:11724.3/35

All: 6.882+/-0.041 χ^2/NDF: 23121.1/67

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.352+/-0.003 χ^2/NDF:314.0/16

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.346+/-0.003 χ^2/NDF:600.0/15

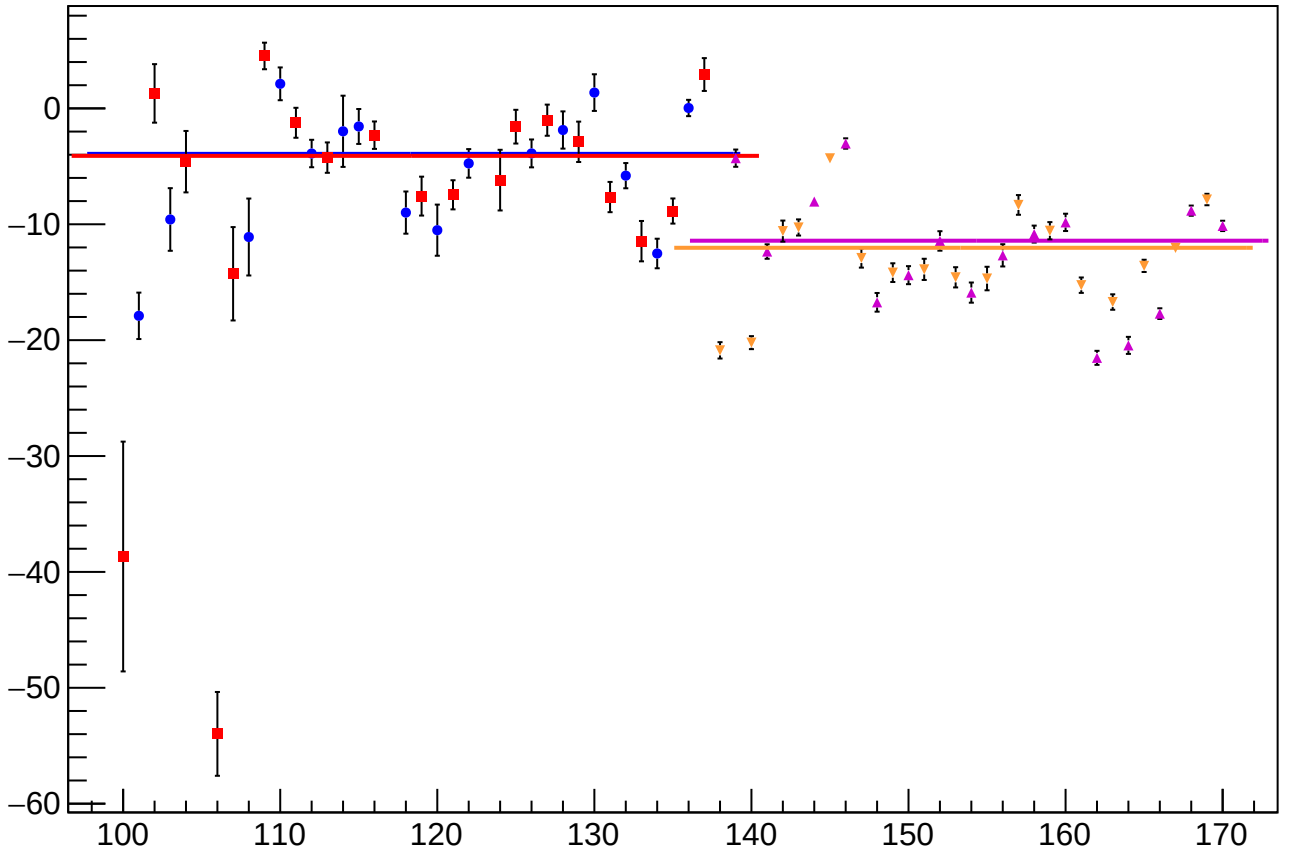
Left: 0.349+/-0.002 χ^2/NDF: 916.1/32

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.341+/-0.003 χ^2/NDF:1293.7/31

Out: 0.343+/-0.003 χ^2/NDF:1549.9/35

All: 0.342+/-0.002 χ^2/NDF: 2843.9/67



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.029+/-0.153 χ^2/NDF:966.3/16

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.418+/-0.149 χ^2/NDF:1257.5/15

Left: -11.716+/-0.107 χ^2/NDF: 2232.0/32

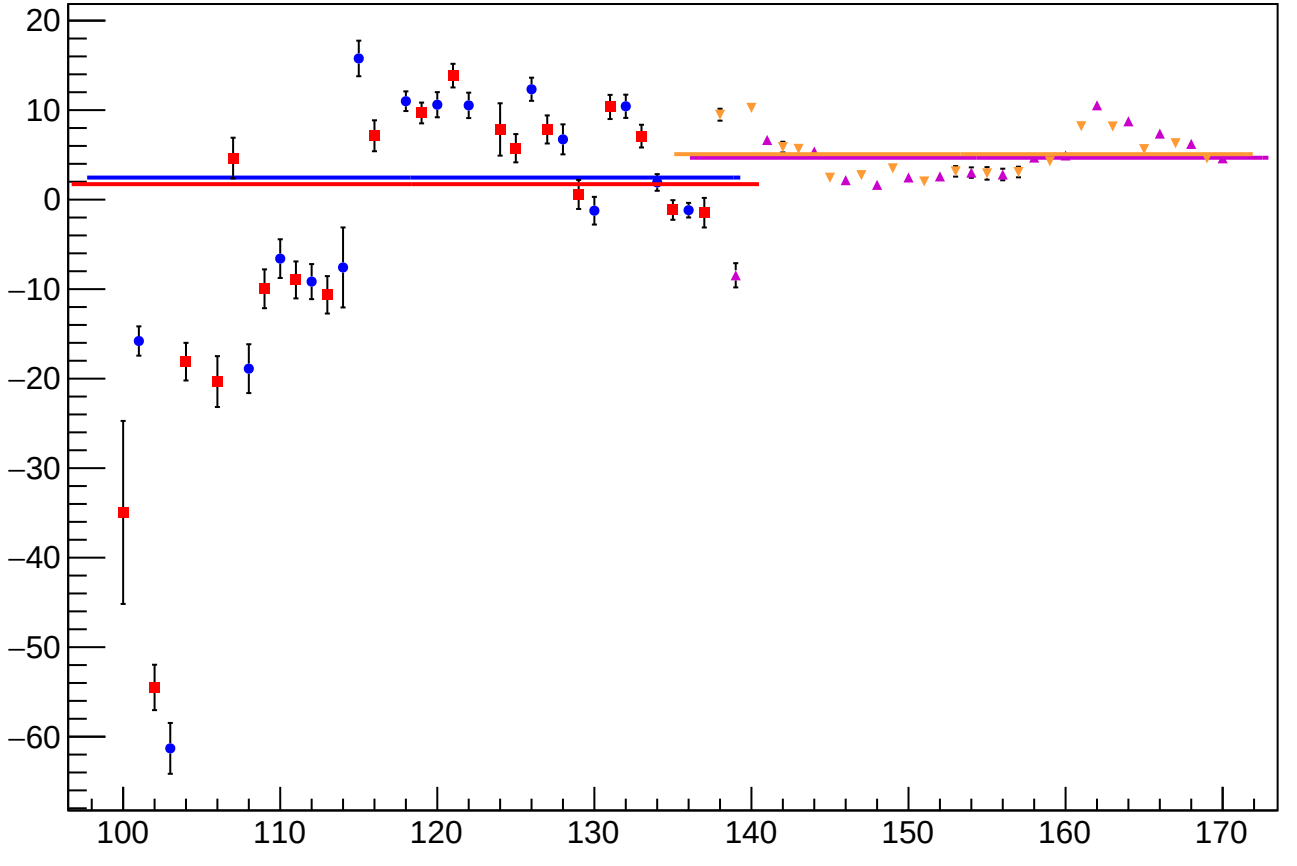
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -10.243+/-0.137 χ^2/NDF:1841.9/31

Out: -10.796+/-0.141 χ^2/NDF:1750.6/35

All: -10.512+/-0.098 χ^2/NDF: 3600.4/67

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: 5.079+/-0.109 χ^2/NDF:469.0/16

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.681+/-0.106 χ^2/NDF:601.6/15

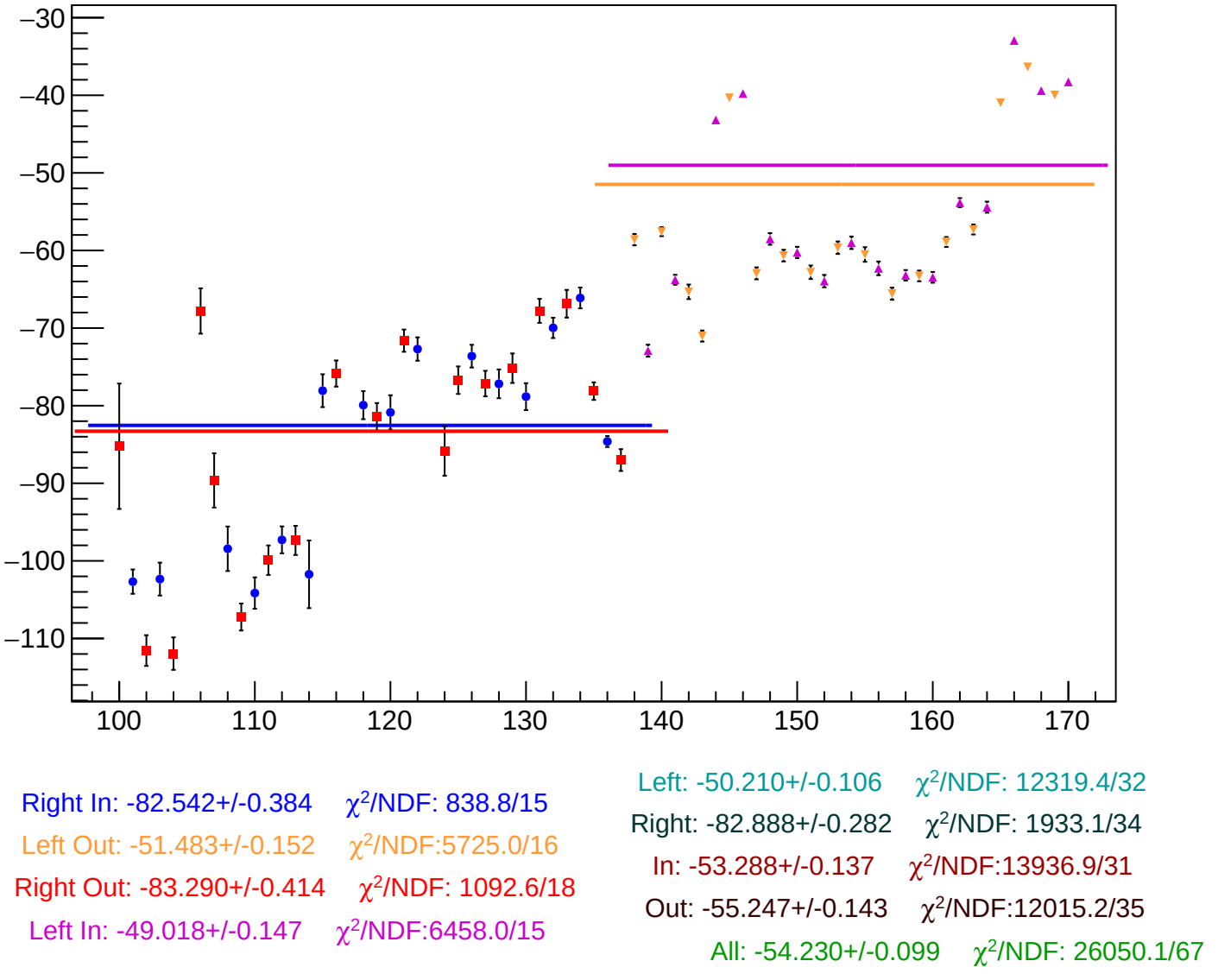
Left: 4.873+/-0.076 χ^2/NDF: 1077.4/32

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

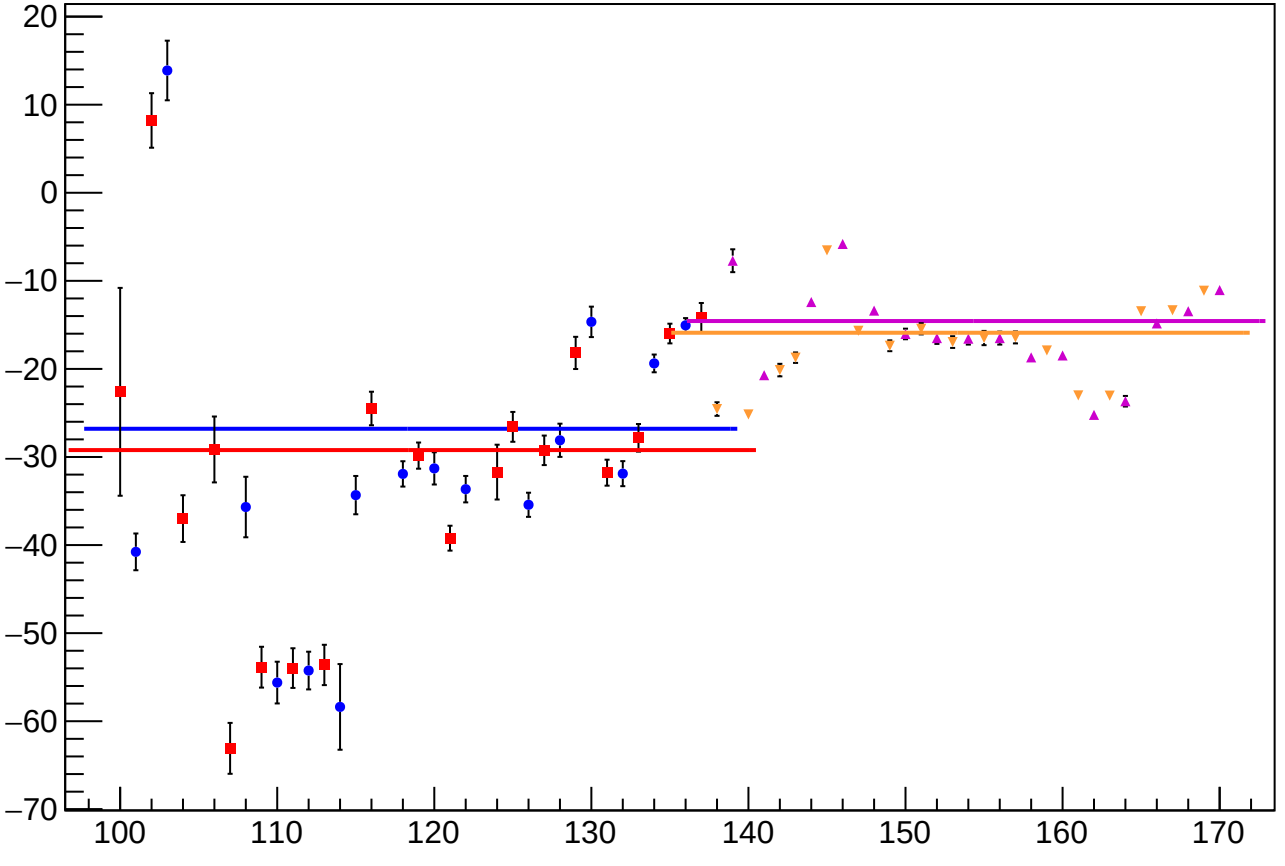
In: 4.502+/-0.101 χ^2/NDF:1683.8/31

Out: 4.829+/-0.105 χ^2/NDF:1521.8/35

All: 4.659+/-0.073 χ^2/NDF: 3210.6/67


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -51.483+/-0.152 χ²/NDF:5725.0/16
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -49.018+/-0.147 χ²/NDF:6458.0/15
Left: -50.210+/-0.106 χ²/NDF: 12319.4/32
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -53.288+/-0.137 χ²/NDF:13936.9/31
Out: -55.247+/-0.143 χ²/NDF:12015.2/35
All: -54.230+/-0.099 χ²/NDF: 26050.1/67

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: -15.894+/-0.125 χ^2/NDF:1803.1/16

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.564+/-0.122 χ^2/NDF:1867.5/15

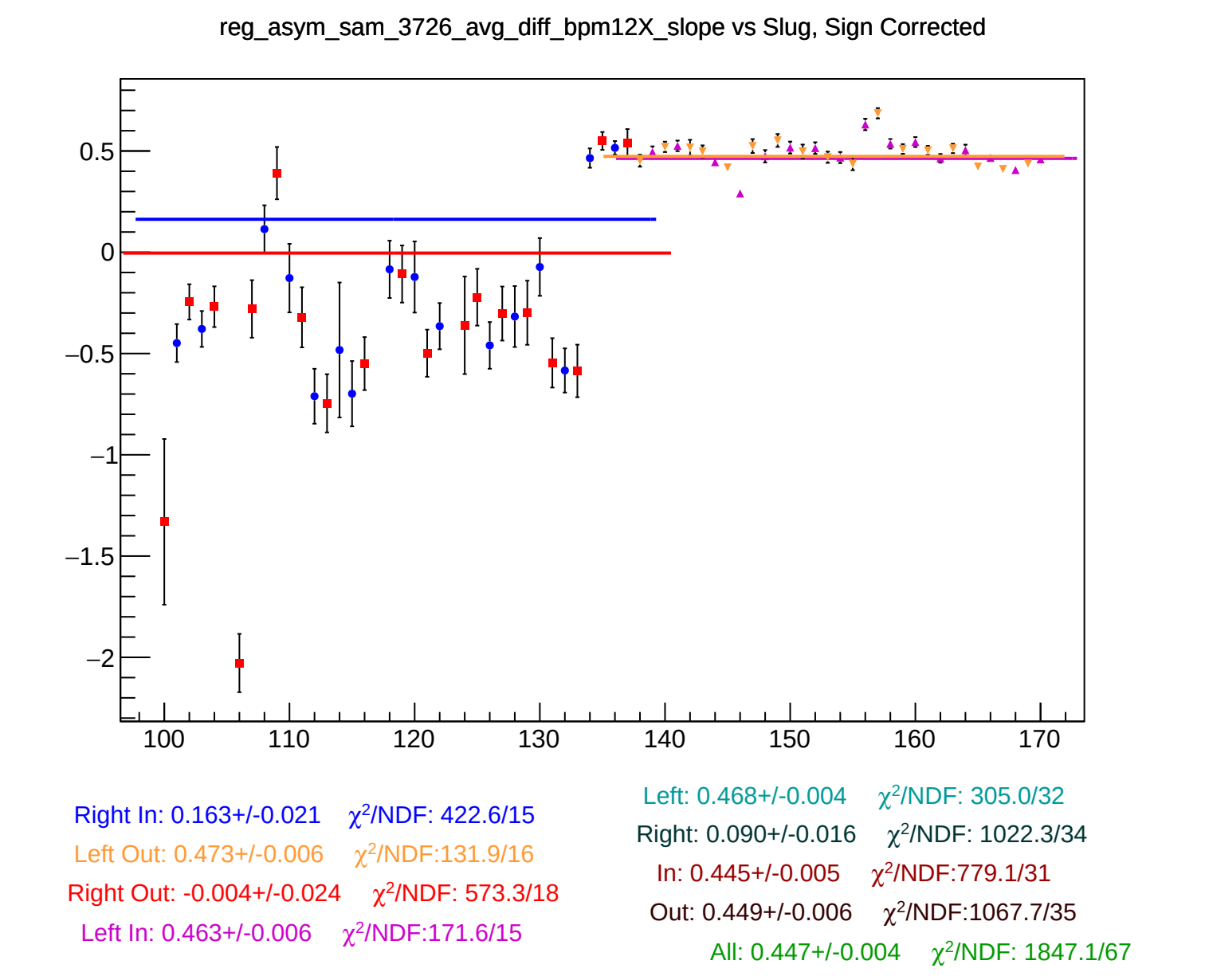
Left: -15.211+/-0.087 χ^2/NDF: 3728.6/32

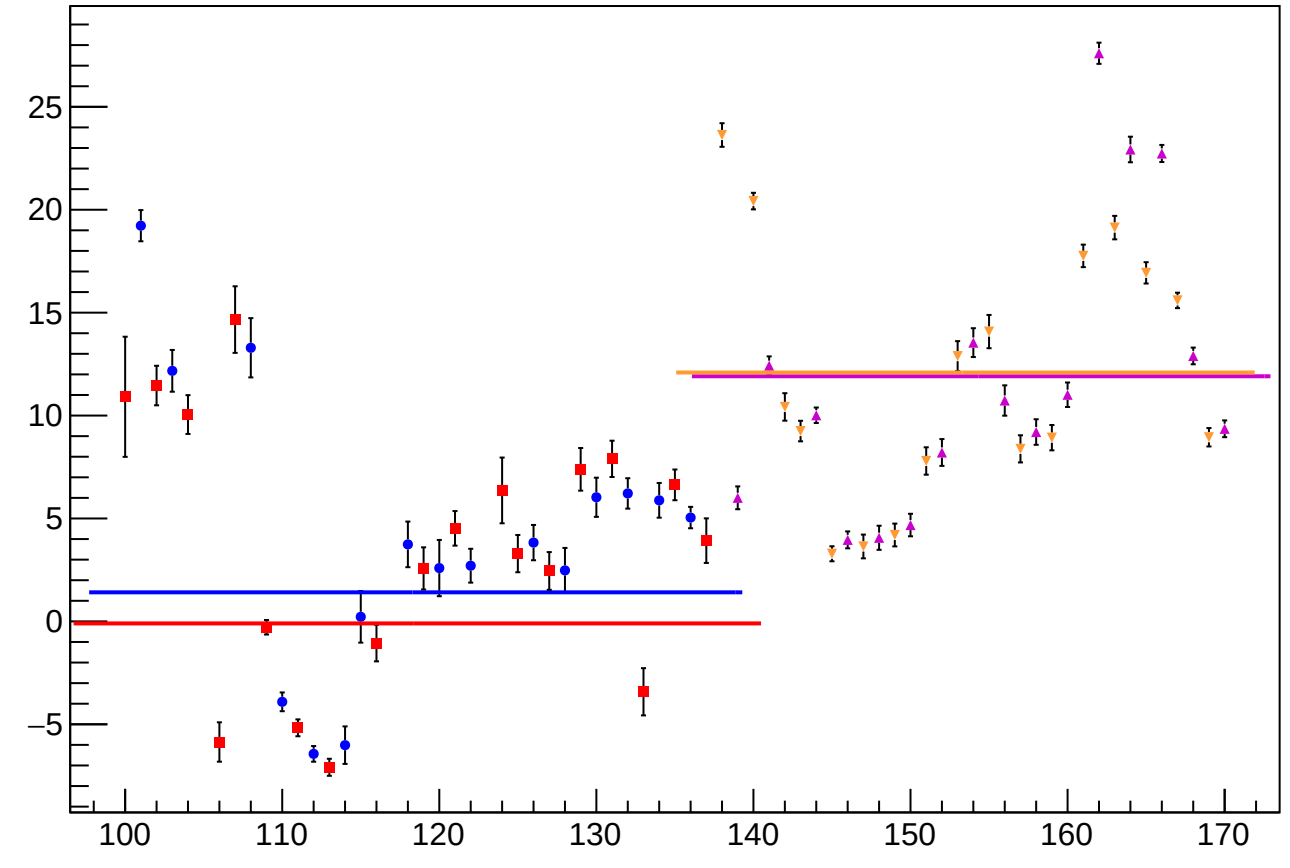
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.623+/-0.116 χ^2/NDF:3704.3/31

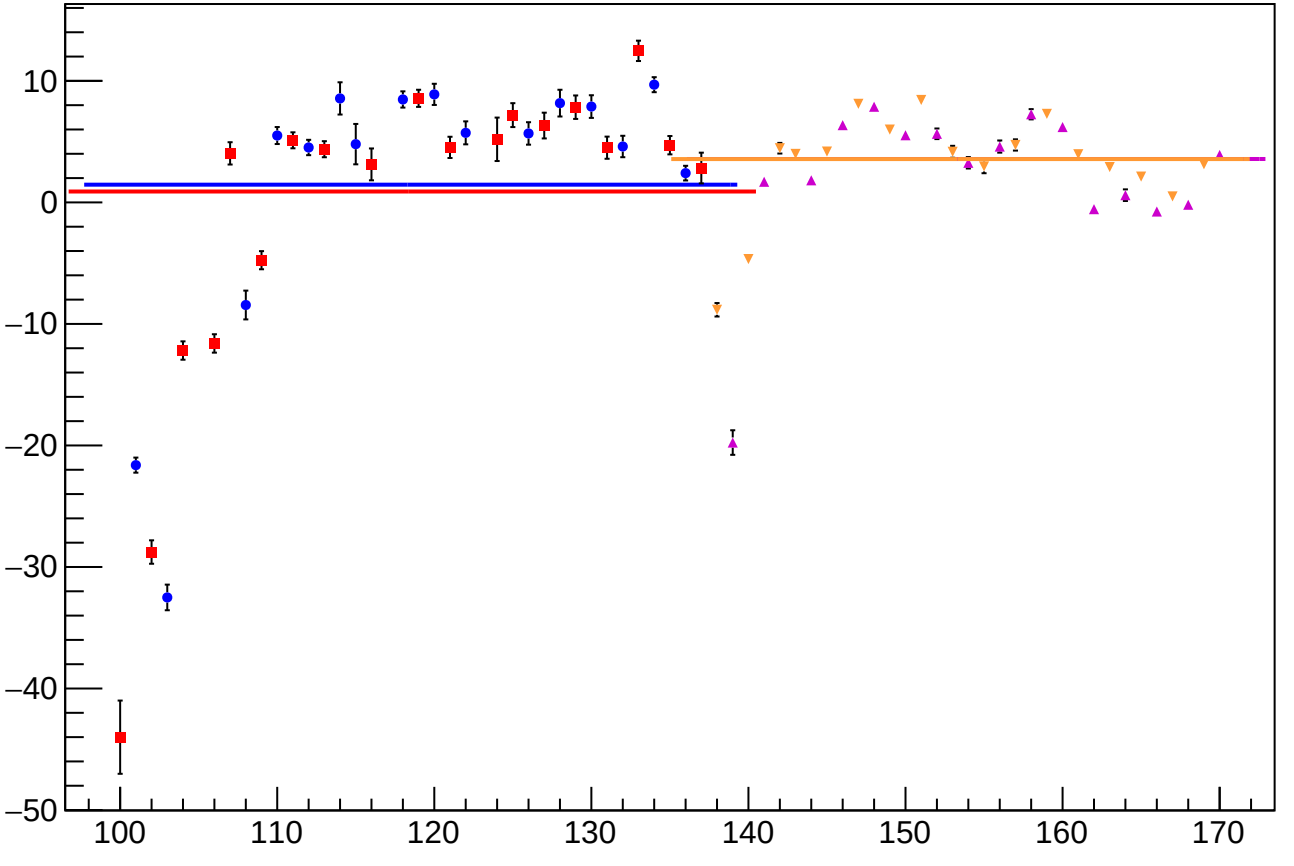
Out: -16.929+/-0.120 χ^2/NDF:3644.5/35

All: -16.255+/-0.084 χ^2/NDF: 7409.8/67


reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: 0.163+/-0.021 χ²/NDF: 422.6/15
Left Out: 0.473+/-0.006 χ²/NDF:131.9/16
Right Out: -0.004+/-0.024 χ²/NDF: 573.3/18
Left In: 0.463+/-0.006 χ²/NDF:171.6/15
Left: 0.468+/-0.004 χ²/NDF: 305.0/32
Right: 0.090+/-0.016 χ²/NDF: 1022.3/34
In: 0.445+/-0.005 χ²/NDF:779.1/31
Out: 0.449+/-0.006 χ²/NDF:1067.7/35
All: 0.447+/-0.004 χ²/NDF: 1847.1/67


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 12.092+/-0.127 χ²/NDF:2460.3/16
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 11.909+/-0.126 χ²/NDF:2897.3/15
Left: 12.000+/-0.089 χ²/NDF: 5358.6/32
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 8.546+/-0.104 χ²/NDF:6653.1/31
Out: 7.641+/-0.101 χ²/NDF:6974.5/35
All: 8.083+/-0.072 χ²/NDF: 13666.6/67

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.566+/-0.089 χ^2/NDF:1855.5/16

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.572+/-0.089 χ^2/NDF:1593.6/15

Left: 3.569+/-0.063 χ^2/NDF: 3449.1/32

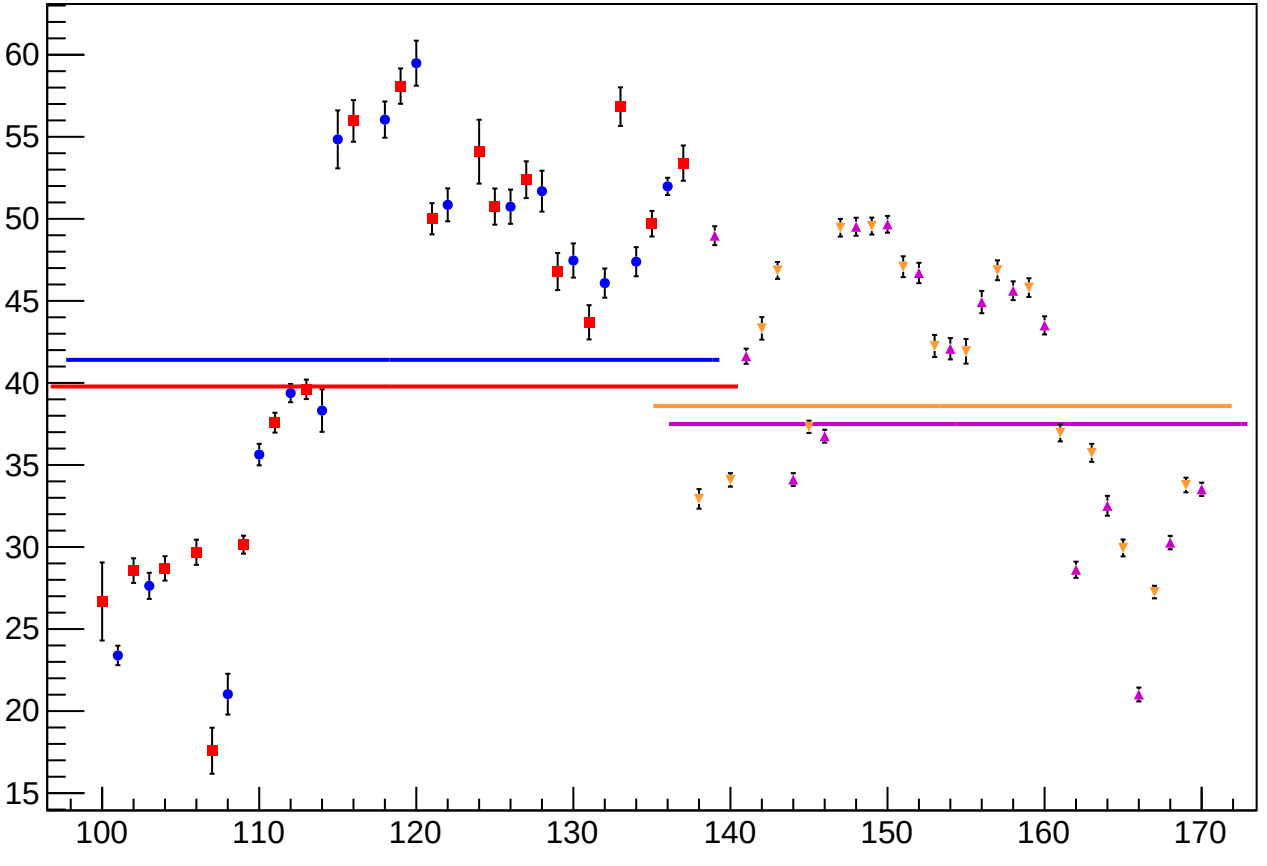
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.234+/-0.081 χ^2/NDF:4764.5/31

Out: 3.128+/-0.082 χ^2/NDF:4378.5/35

All: 3.181+/-0.058 χ^2/NDF: 9143.8/67

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 38.589+/-0.125 χ^2/NDF:3262.5/16

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 37.499+/-0.123 χ^2/NDF:4622.2/15

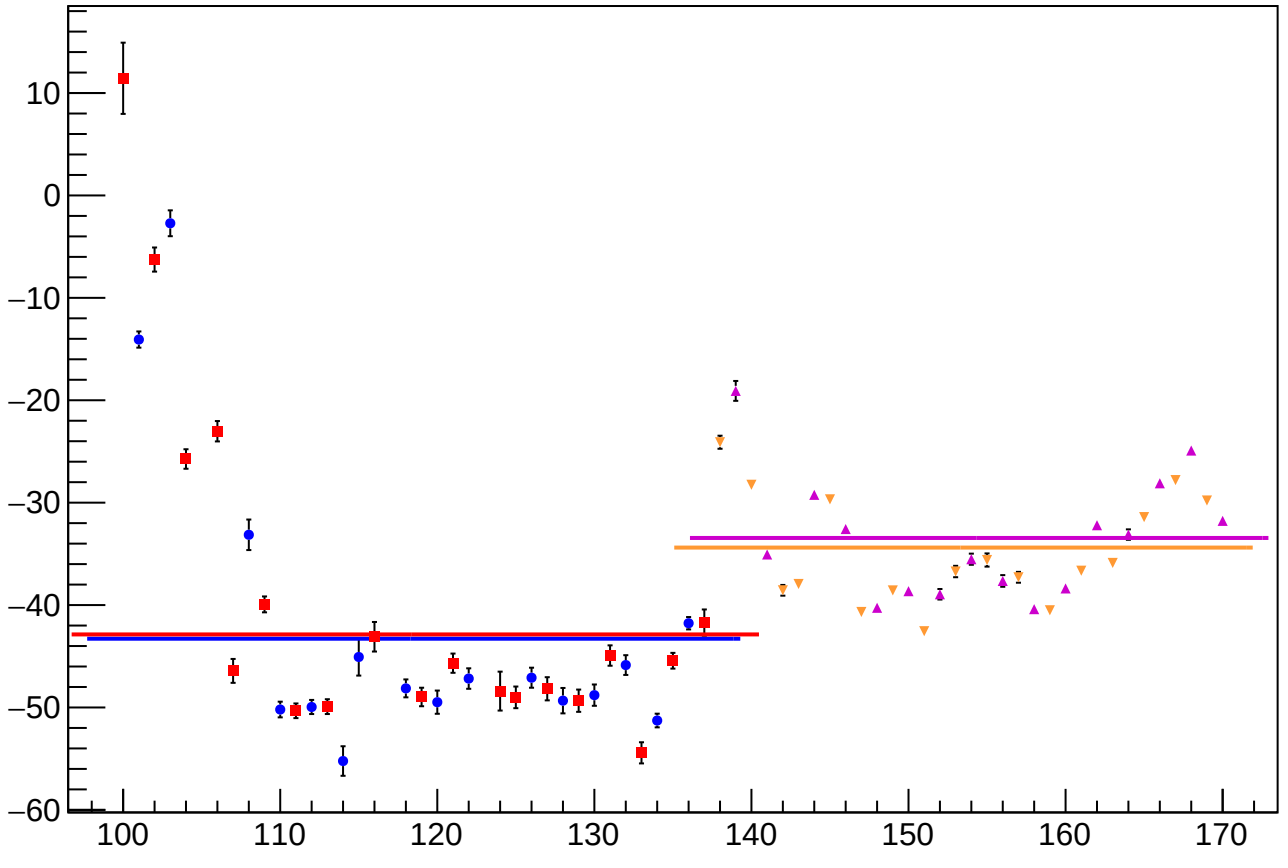
Left: 38.035+/-0.088 χ^2/NDF: 7923.1/32

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 38.499+/-0.107 χ^2/NDF:7624.4/31

Out: 38.919+/-0.107 χ^2/NDF:5941.5/35

All: 38.708+/-0.075 χ^2/NDF: 13573.7/67



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -34.386+/-0.103 χ^2/NDF:2439.8/16

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.447+/-0.103 χ^2/NDF:2200.3/15

Left: -33.913+/-0.073 χ^2/NDF: 4681.8/32

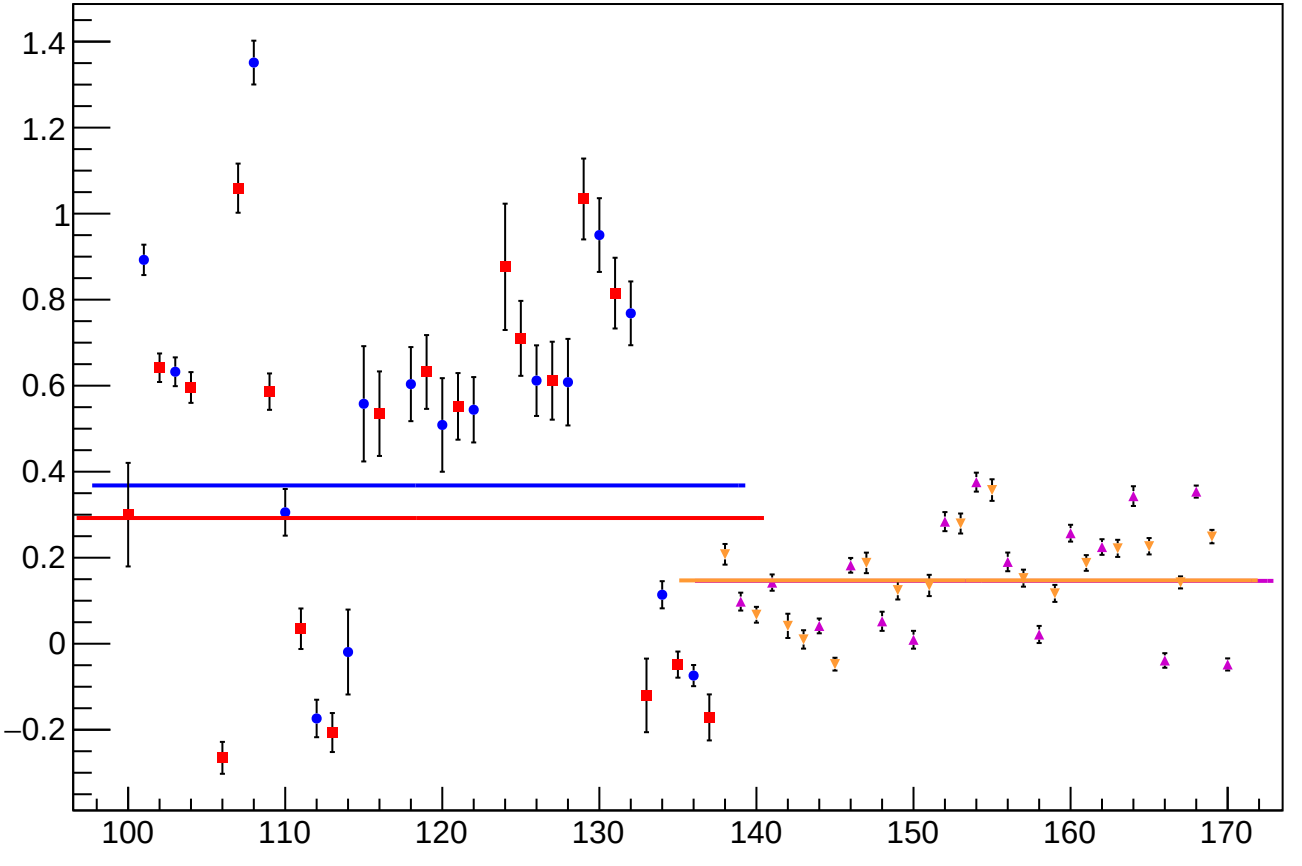
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -35.087+/-0.094 χ^2/NDF:6719.1/31

Out: -35.823+/-0.094 χ^2/NDF:6032.9/35

All: -35.453+/-0.066 χ^2/NDF: 12782.7/67

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.147+/-0.005 χ^2/NDF:439.1/16

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.146+/-0.005 χ^2/NDF:950.3/15

Left: 0.147+/-0.003 χ^2/NDF: 1389.4/32

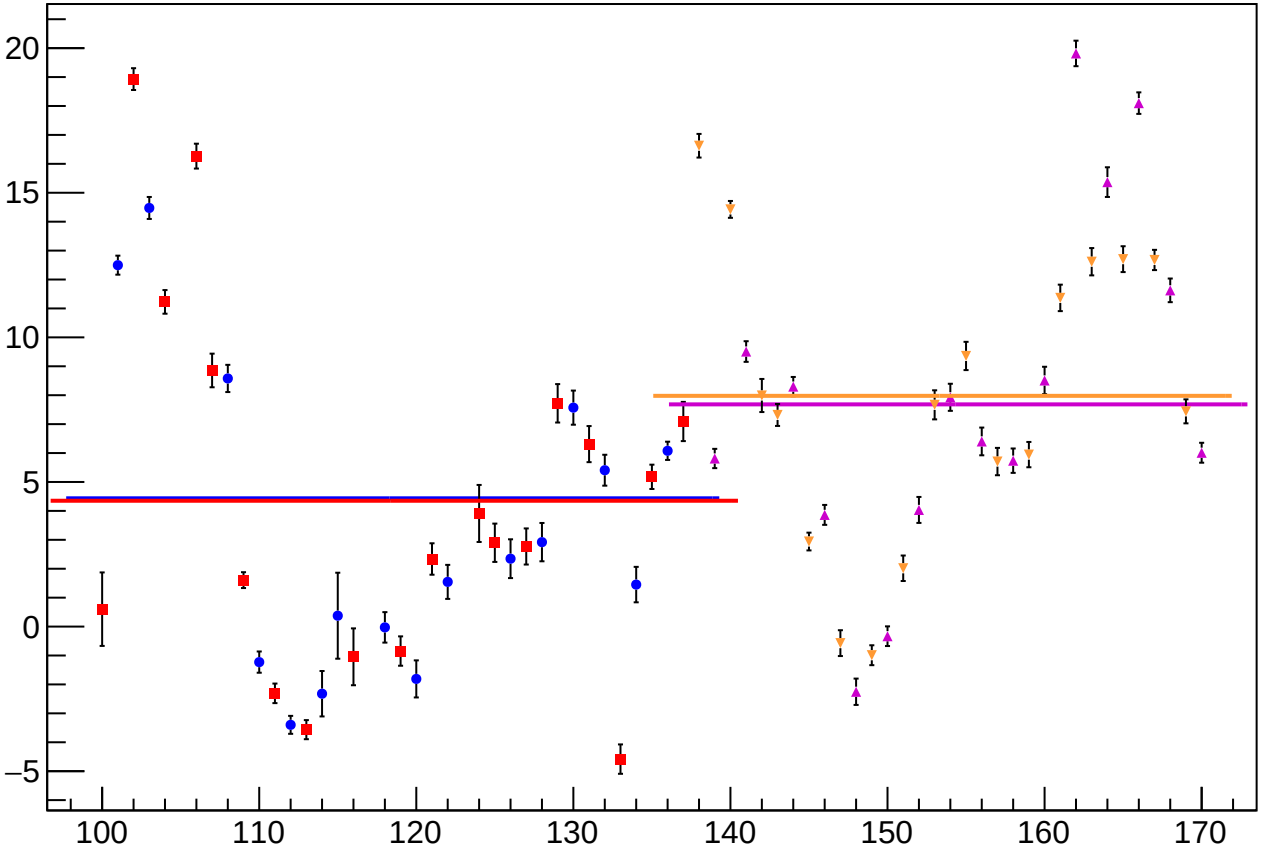
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.174+/-0.004 χ^2/NDF:2559.8/31

Out: 0.167+/-0.004 χ^2/NDF:1762.7/35

All: 0.171+/-0.003 χ^2/NDF: 4324.1/67

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: 7.978+/-0.099 χ^2/NDF:2935.7/16

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.683+/-0.099 χ^2/NDF:3194.6/15

Left: 7.831+/-0.070 χ^2/NDF: 6134.7/32

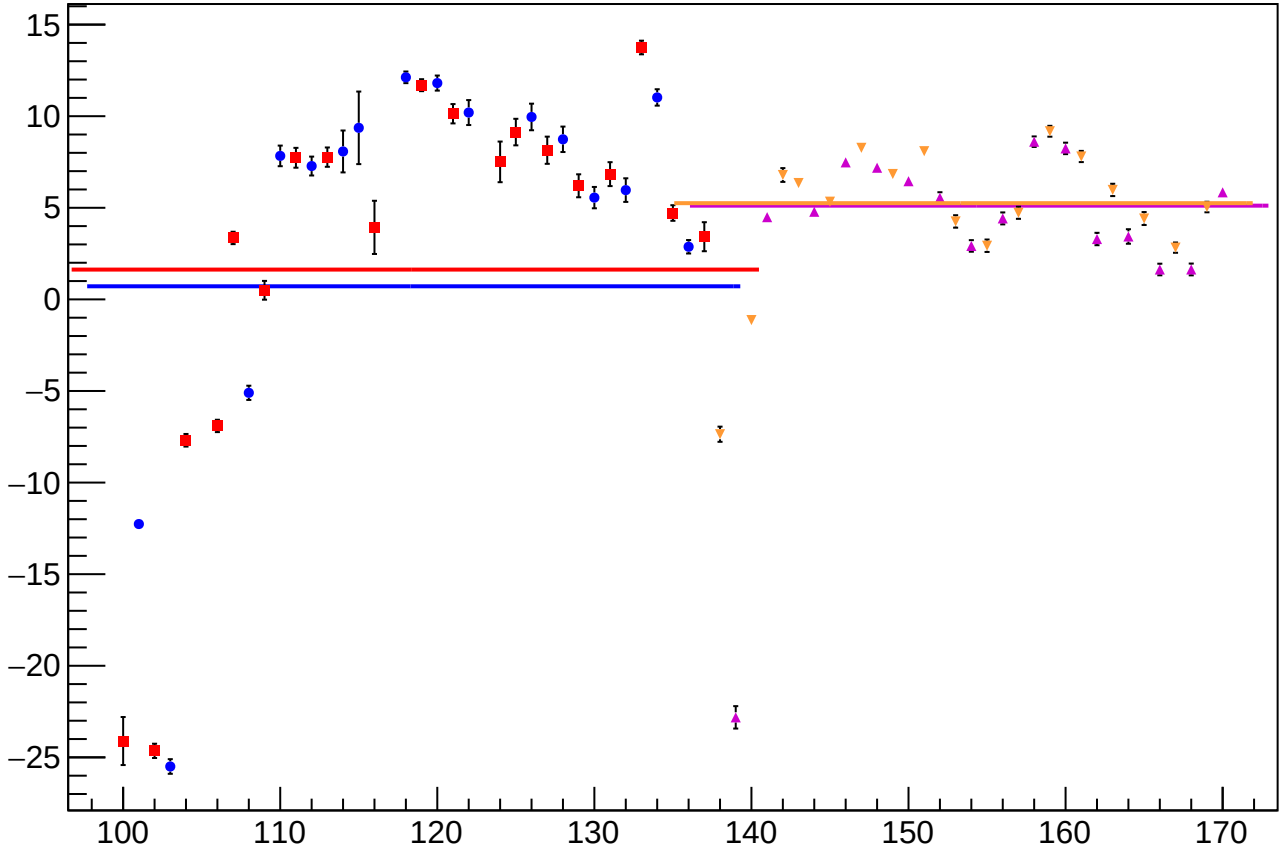
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.329+/-0.076 χ^2/NDF:6266.4/31

Out: 6.349+/-0.073 χ^2/NDF:7749.9/35

All: 6.339+/-0.053 χ^2/NDF: 14016.3/67

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.252+/-0.069 χ^2/NDF:2424.5/16

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.116+/-0.071 χ^2/NDF:2936.2/15

Left: 5.186+/-0.050 χ^2/NDF: 5362.6/32

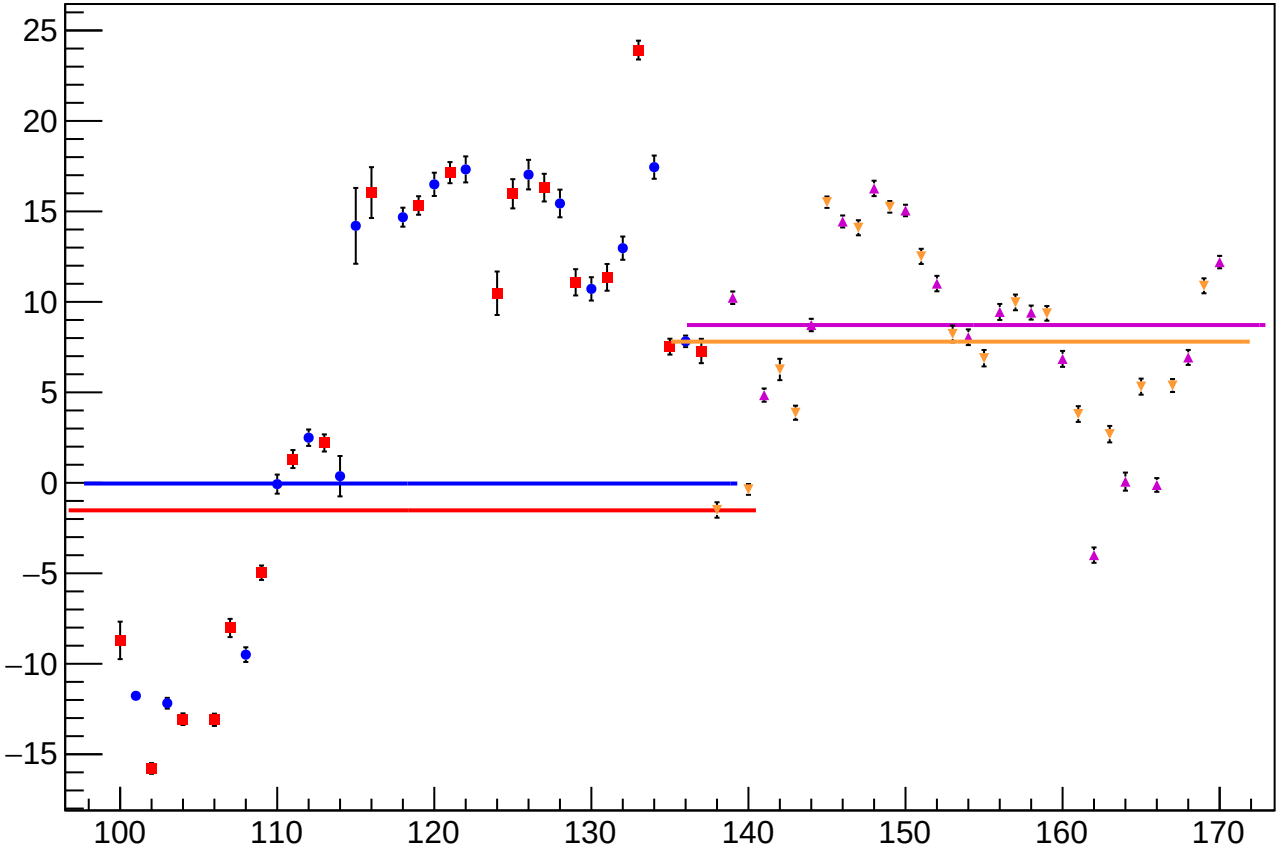
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.921+/-0.060 χ^2/NDF:14440.2/31

Out: 4.235+/-0.059 χ^2/NDF:12447.0/35

All: 4.082+/-0.042 χ^2/NDF: 26901.2/67

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 7.803+/-0.097 χ^2/NDF:3202.7/16

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.720+/-0.097 χ^2/NDF:3056.2/15

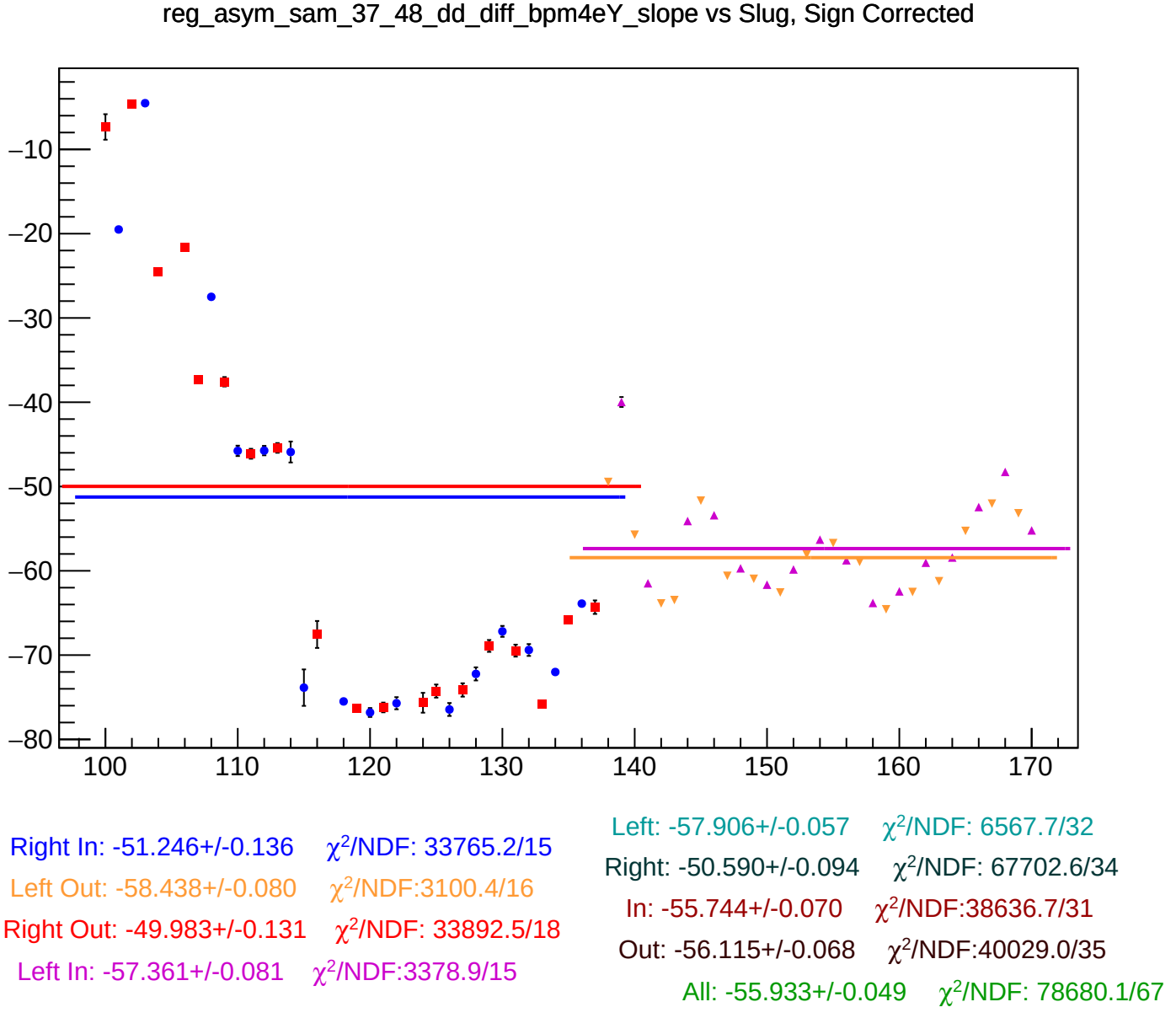
Left: 8.262+/-0.068 χ^2/NDF: 6303.8/32

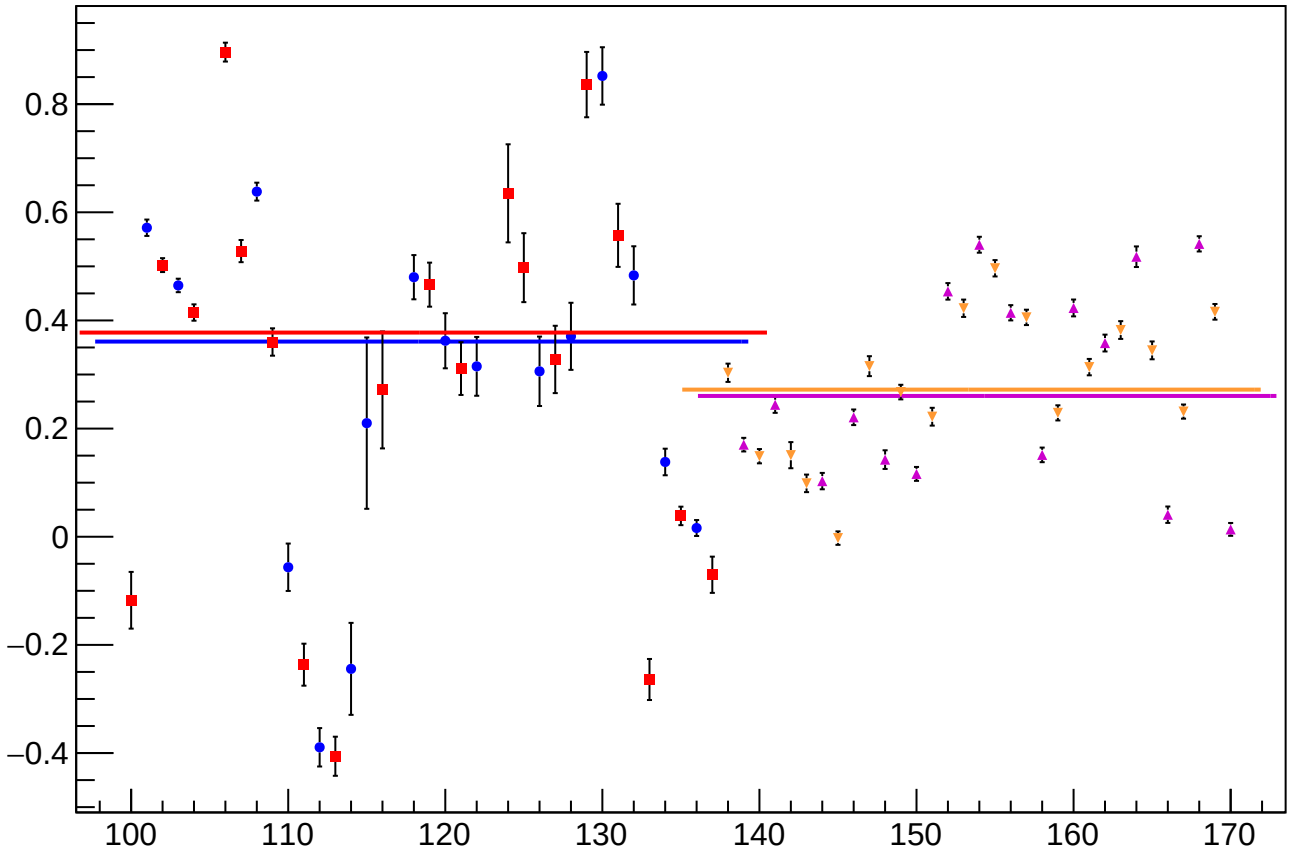
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.254+/-0.075 χ^2/NDF:15583.7/31

Out: 3.943+/-0.074 χ^2/NDF:19179.7/35

All: 4.590+/-0.053 χ^2/NDF: 34917.9/67


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
110
120
130
140
150
160
170
Right In: -51.246+/-0.136 χ2/NDF: 33765.2/15
Left Out: -58.438+/-0.080 χ2/NDF:3100.4/16
Right Out: -49.983+/-0.131 χ2/NDF: 33892.5/18
Left In: -57.361+/-0.081 χ2/NDF:3378.9/15
Left: -57.906+/-0.057 χ2/NDF: 6567.7/32
Right: -50.590+/-0.094 χ2/NDF: 67702.6/34
In: -55.744+/-0.070 χ2/NDF:38636.7/31
Out: -56.115+/-0.068 χ2/NDF:40029.0/35
All: -55.933+/-0.049 χ2/NDF: 78680.1/67



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.272+/-0.004 χ^2/NDF:1316.0/16

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.260+/-0.004 χ^2/NDF:2414.7/15

Left: 0.266+/-0.003 χ^2/NDF: 3735.8/32

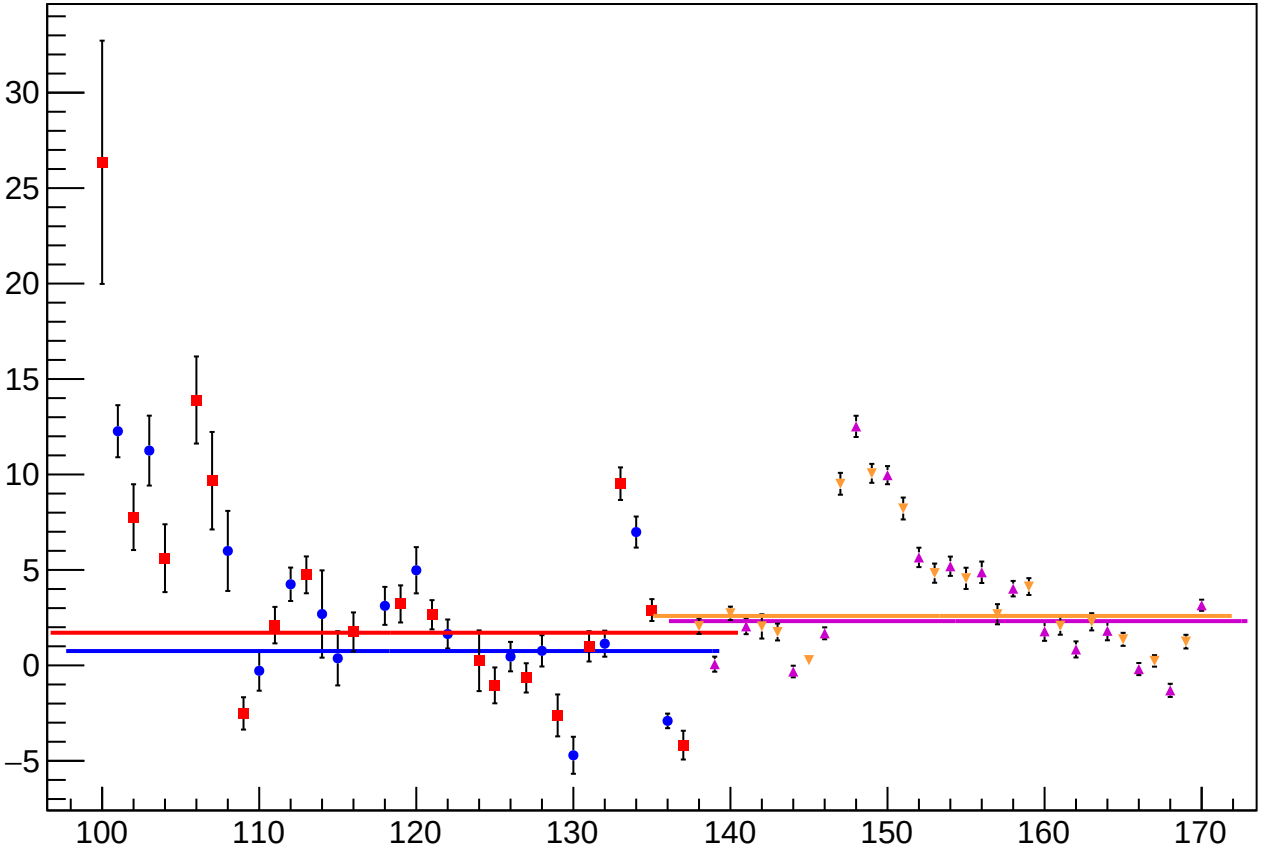
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.285+/-0.003 χ^2/NDF:4463.3/31

Out: 0.300+/-0.003 χ^2/NDF:4325.0/35

All: 0.293+/-0.002 χ^2/NDF: 8799.9/67

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.591+/-0.100 χ^2/NDF:687.2/16

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.319+/-0.099 χ^2/NDF:1017.8/15

Left: 2.453+/-0.071 χ^2/NDF: 1708.7/32

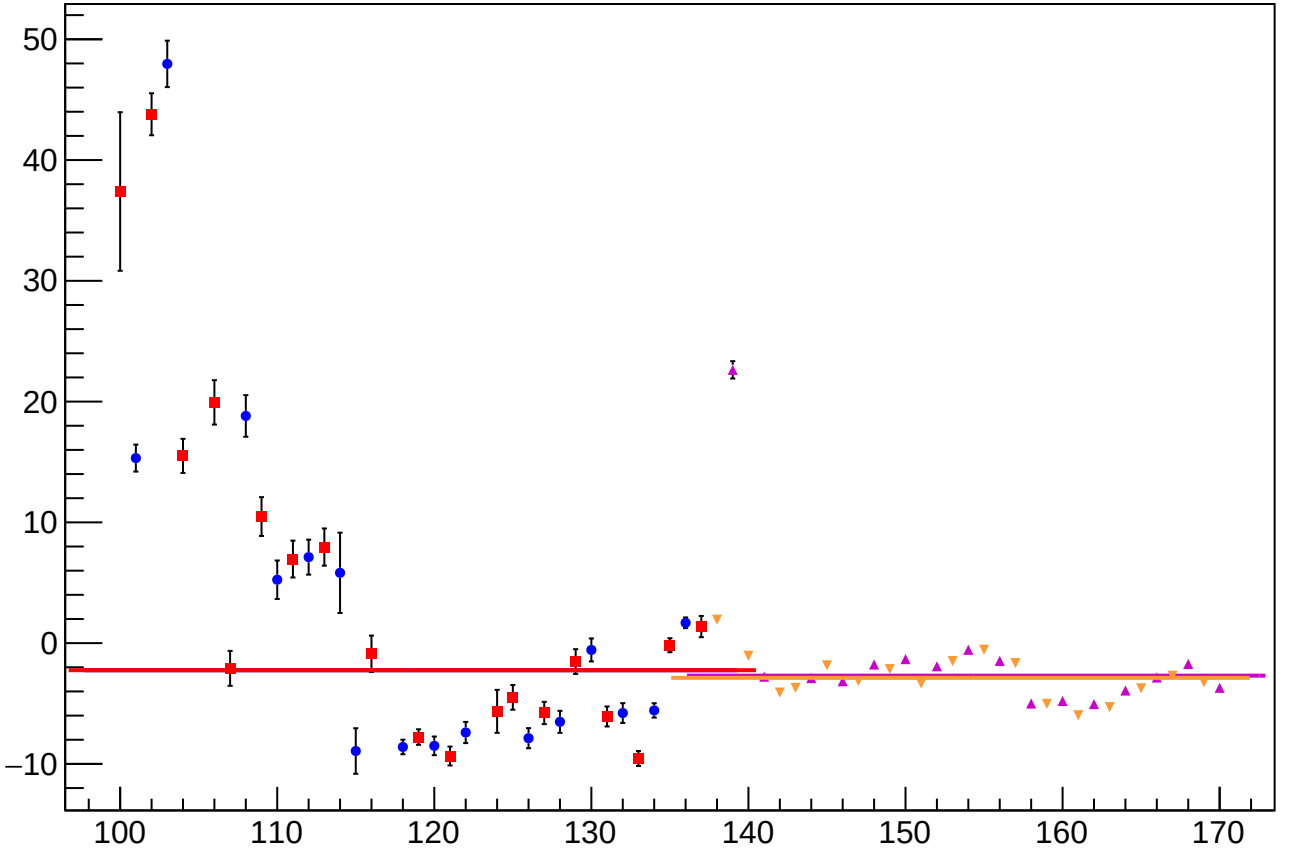
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.038+/-0.090 χ^2/NDF:1392.6/31

Out: 2.442+/-0.092 χ^2/NDF:994.0/35

All: 2.237+/-0.064 χ^2/NDF: 2396.5/67

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: -2.873+/-0.072 χ^2/NDF:519.8/16

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.692+/-0.071 χ^2/NDF:1546.2/15

Left: -2.781+/-0.051 χ^2/NDF: 2069.1/32

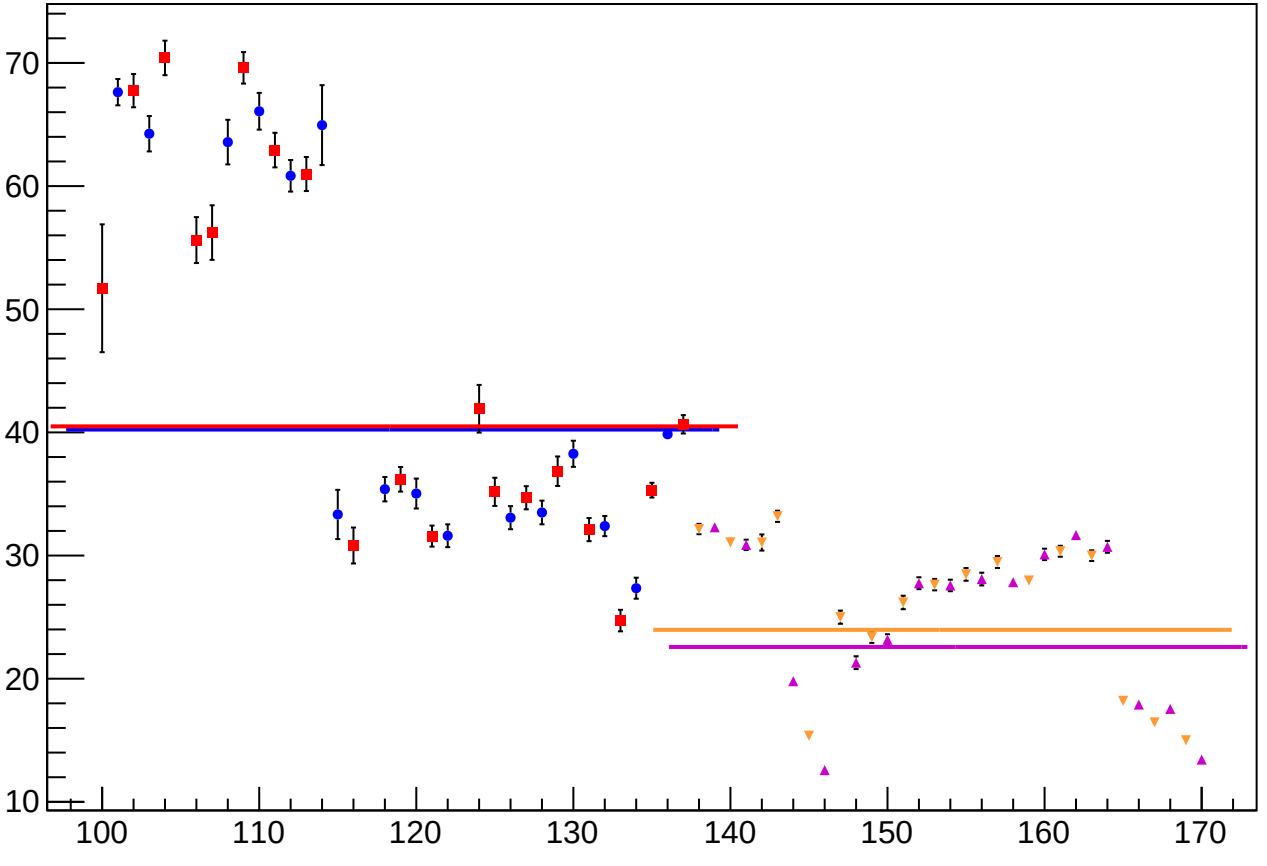
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.648+/-0.068 χ^2/NDF:3122.6/31

Out: -2.816+/-0.069 χ^2/NDF:2082.3/35

All: -2.730+/-0.048 χ^2/NDF: 5207.9/67

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: 23.968+/-0.099 χ^2/NDF:4588.9/16

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.576+/-0.097 χ^2/NDF:5109.6/15

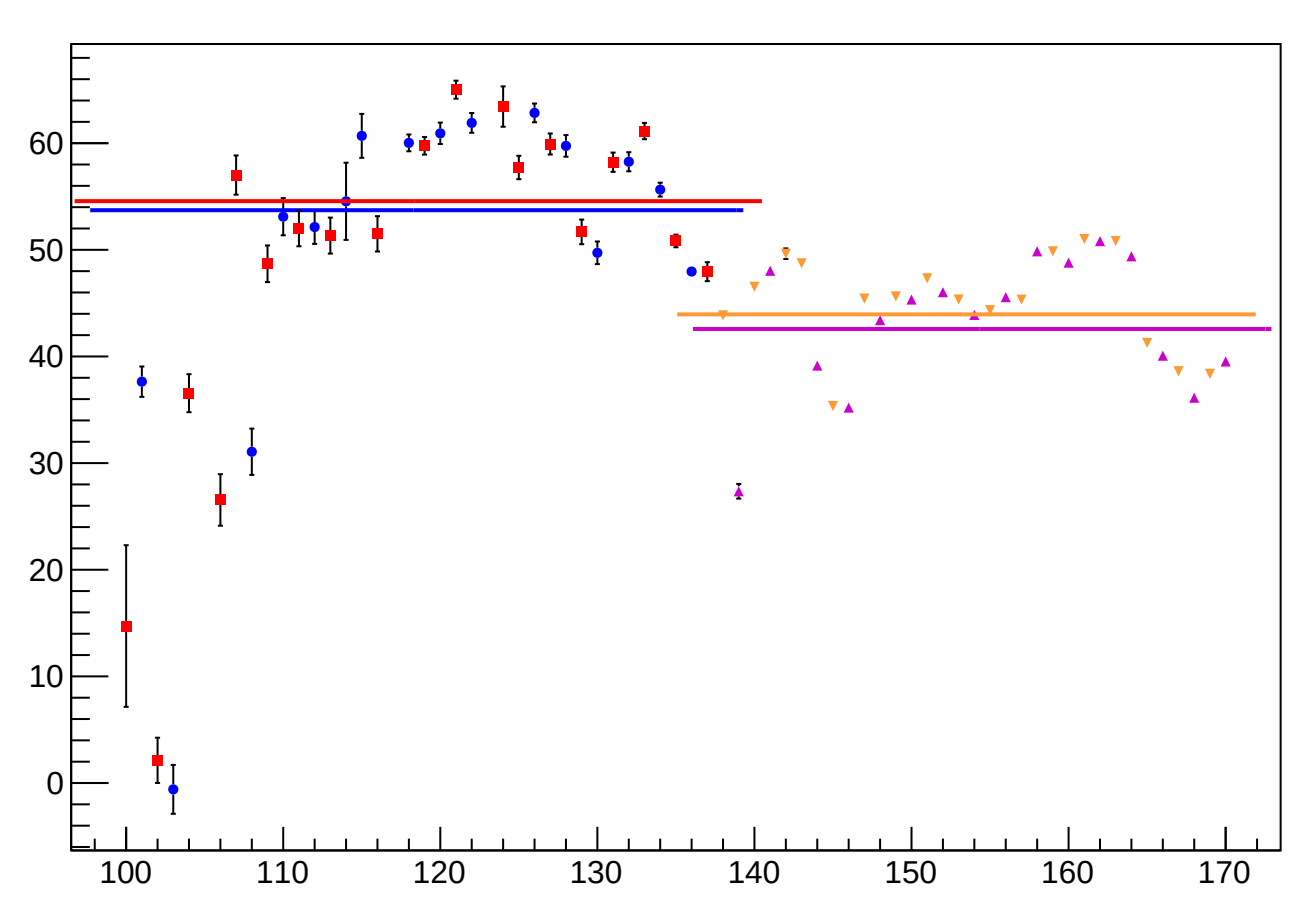
Left: 23.258+/-0.069 χ^2/NDF: 9798.7/32

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 25.229+/-0.090 χ^2/NDF:12346.2/31

Out: 26.210+/-0.092 χ^2/NDF:11048.8/35

All: 25.706+/-0.064 χ^2/NDF: 23453.2/67



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.947+/-0.082 χ^2/NDF:3824.2/16

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.576+/-0.081 χ^2/NDF:4531.2/15

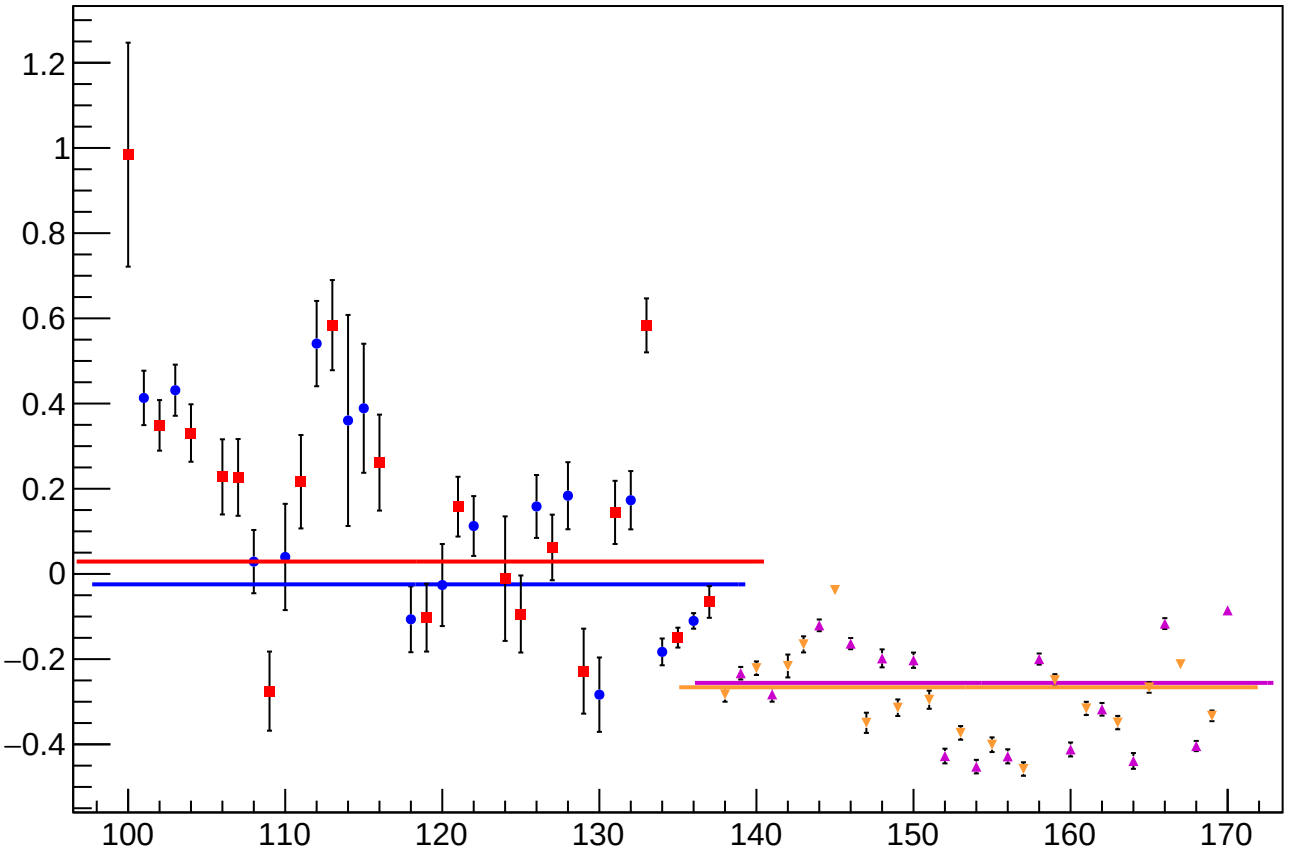
Left: 43.253+/-0.058 χ^2/NDF: 8495.3/32

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.735+/-0.077 χ^2/NDF:7839.9/31

Out: 44.945+/-0.079 χ^2/NDF:6723.9/35

All: 44.329+/-0.055 χ^2/NDF: 14684.7/67



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.266+/-0.004 χ^2/NDF:852.5/16

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.256+/-0.004 χ^2/NDF:1307.7/15

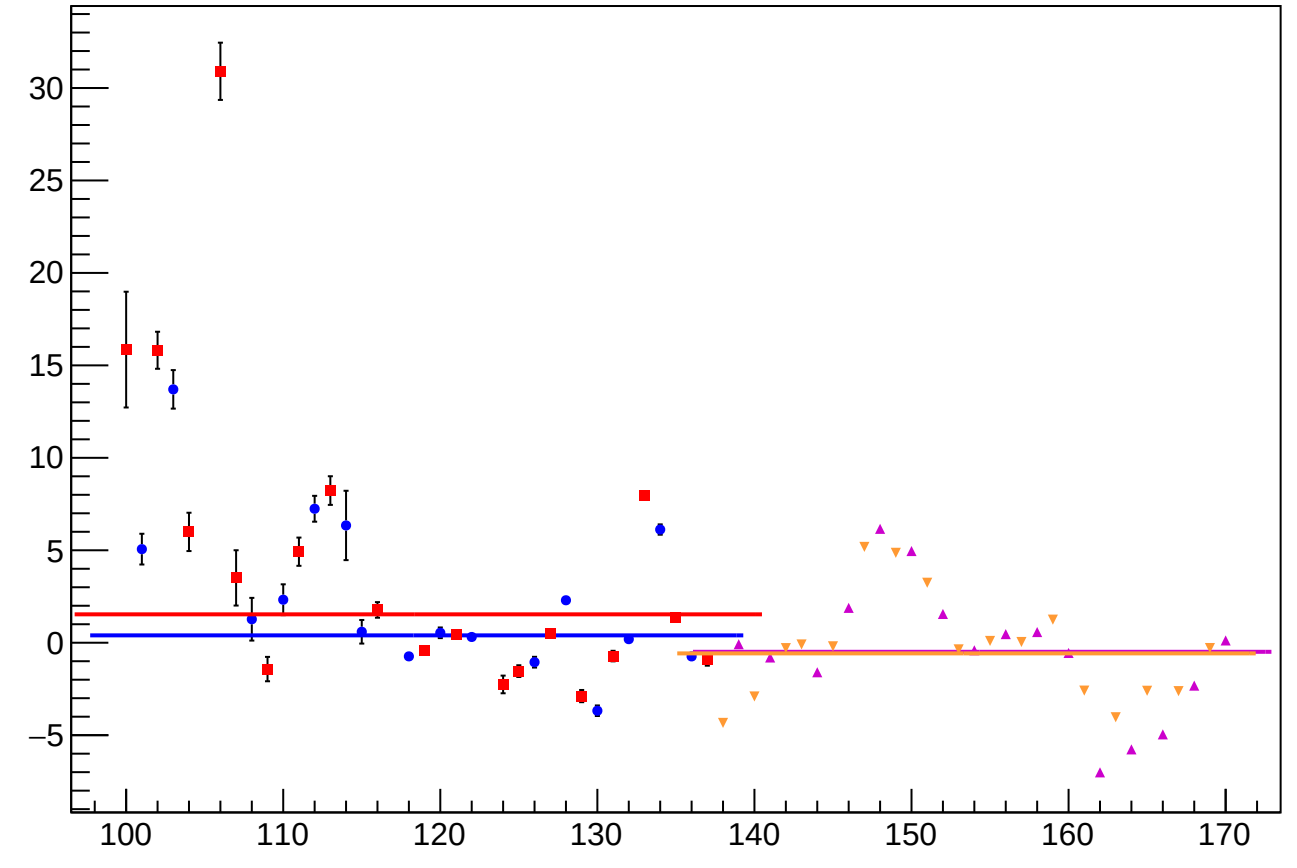
Left: -0.261+/-0.003 χ^2/NDF: 2164.0/32

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.238+/-0.004 χ^2/NDF:1839.3/31

Out: -0.247+/-0.004 χ^2/NDF:1530.5/35

All: -0.243+/-0.003 χ^2/NDF: 3372.8/67



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.577+/-0.038 χ^2/NDF:4429.6/16

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.491+/-0.037 χ^2/NDF:6609.0/15

Left: -0.533+/-0.027 χ^2/NDF: 11041.2/32

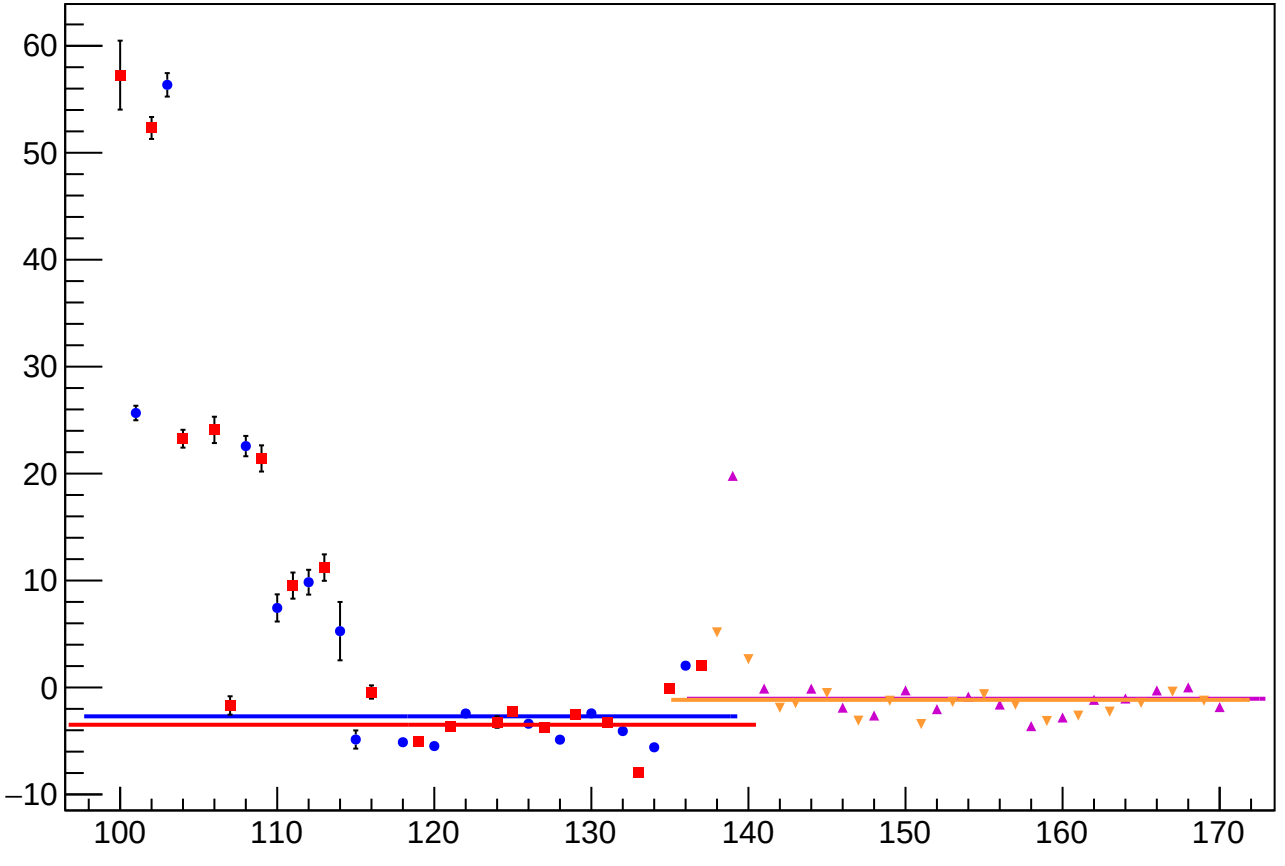
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.321+/-0.034 χ^2/NDF:7813.9/31

Out: -0.167+/-0.034 χ^2/NDF:7429.1/35

All: -0.245+/-0.024 χ^2/NDF: 15253.2/67

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.157+/-0.028 χ^2/NDF:4252.1/16

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.053+/-0.027 χ^2/NDF:8319.3/15

Left: -1.104+/-0.019 χ^2/NDF: 12578.7/32

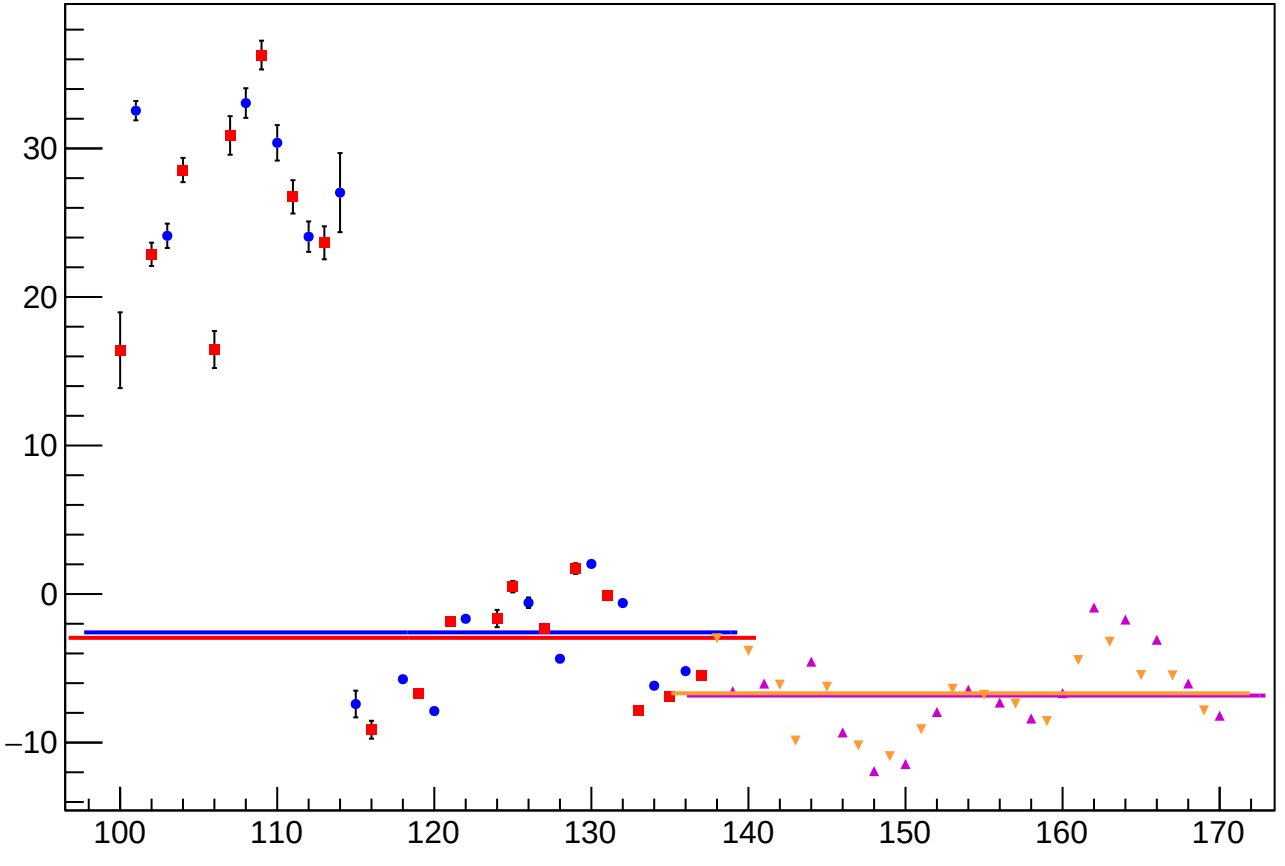
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.262+/-0.025 χ^2/NDF:15895.8/31

Out: -1.462+/-0.026 χ^2/NDF:12350.6/35

All: -1.360+/-0.018 χ^2/NDF: 28277.3/67

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: -6.681+/-0.038 χ^2/NDF:3619.4/16

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.834+/-0.037 χ^2/NDF:5722.6/15

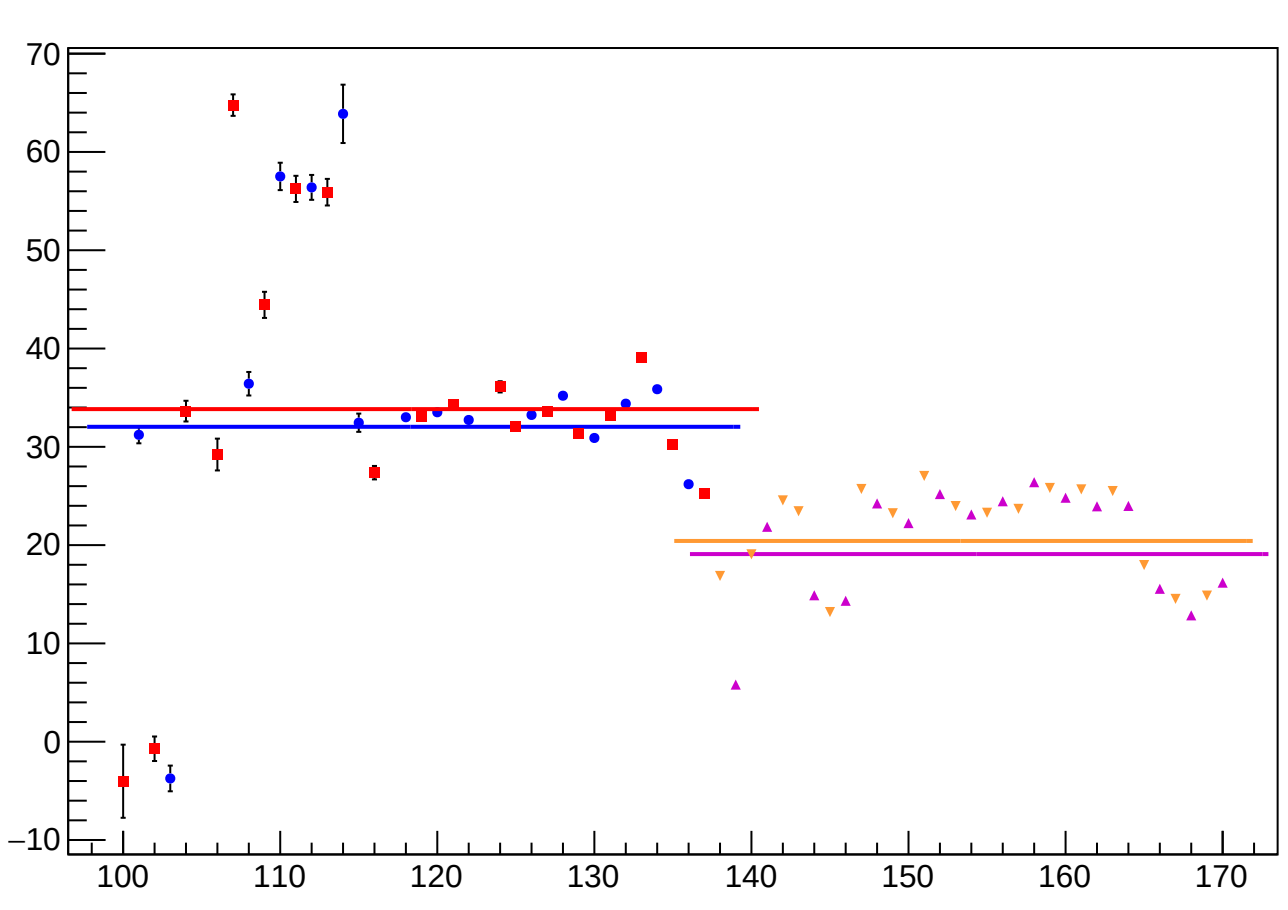
Left: -6.760+/-0.026 χ^2/NDF: 9350.3/32

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.135+/-0.034 χ^2/NDF:16070.7/31

Out: -6.060+/-0.035 χ^2/NDF:13426.0/35

All: -6.098+/-0.024 χ^2/NDF: 29499.1/67



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.424+/-0.032 χ^2/NDF:24347.5/16

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.088+/-0.031 χ^2/NDF:25353.1/15

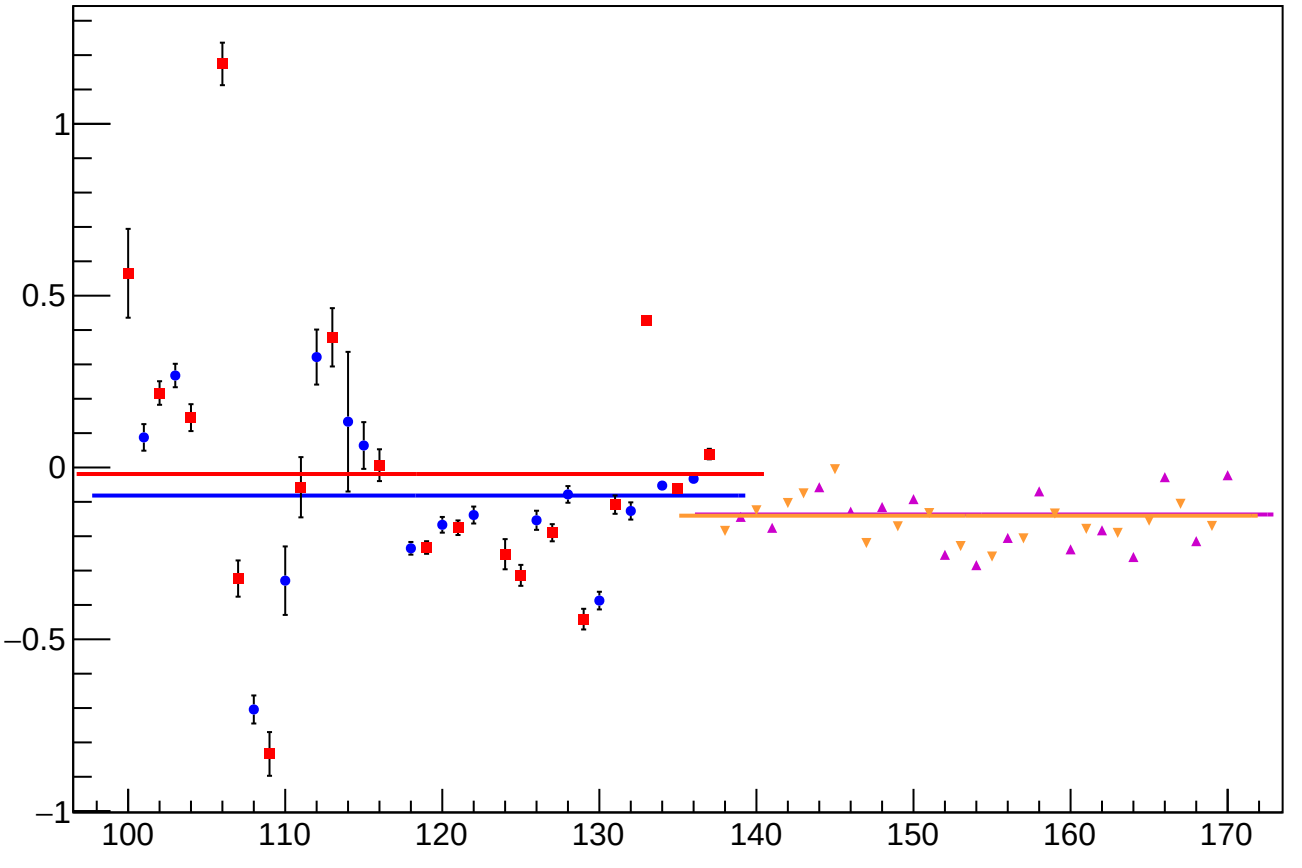
Left: 19.742+/-0.022 χ^2/NDF: 50605.9/32

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.739+/-0.029 χ^2/NDF:50753.2/31

Out: 22.184+/-0.030 χ^2/NDF:52047.7/35

All: 21.448+/-0.021 χ^2/NDF: 104018.7/67



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:2257.4/16

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.137+/-0.001 χ^2/NDF:3557.6/15

Left: -0.138+/-0.001 χ^2/NDF: 5818.0/32

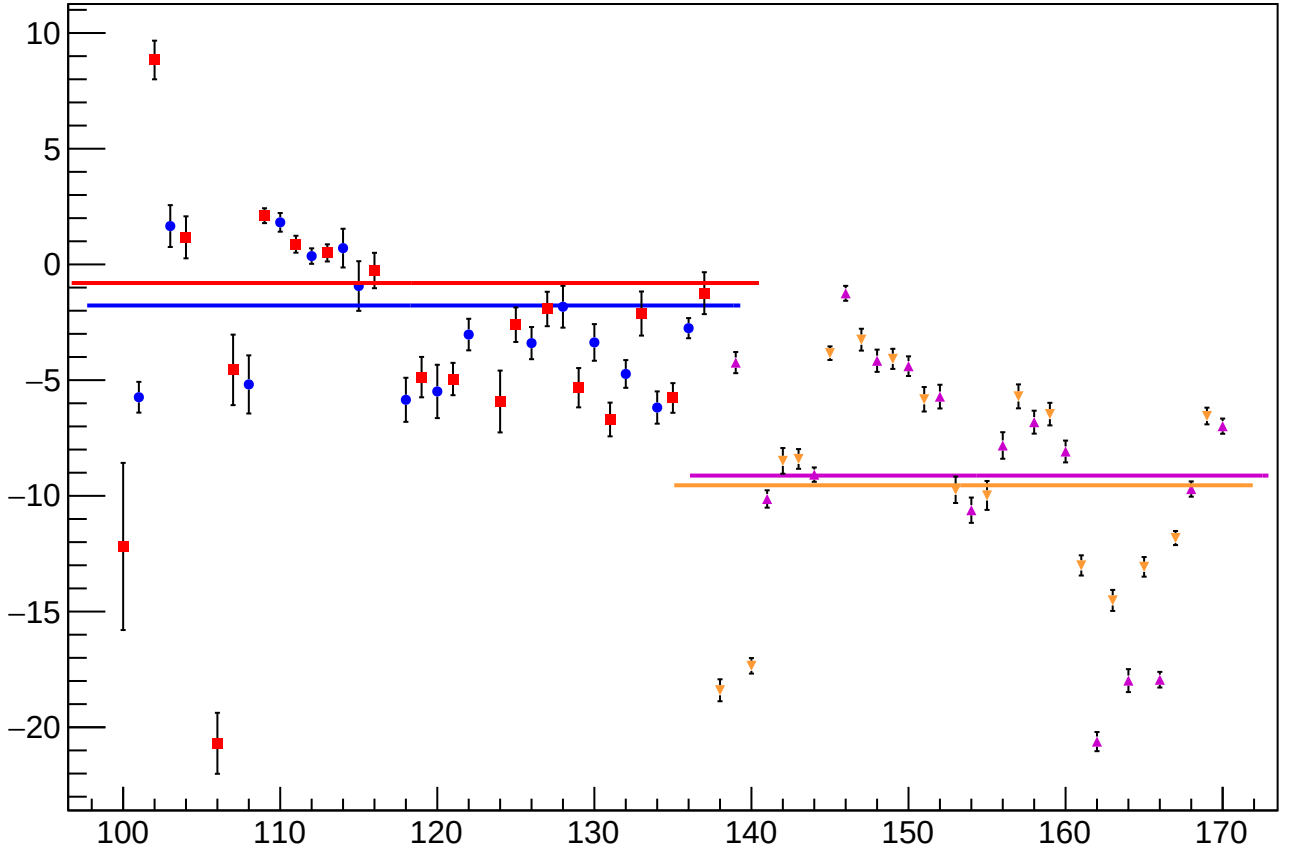
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.133+/-0.001 χ^2/NDF:4367.0/31

Out: -0.132+/-0.001 χ^2/NDF:5036.1/35

All: -0.132+/-0.001 χ^2/NDF: 9403.4/67

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: -9.544+/-0.103 χ^2/NDF:2136.5/16

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.124+/-0.101 χ^2/NDF:2848.1/15

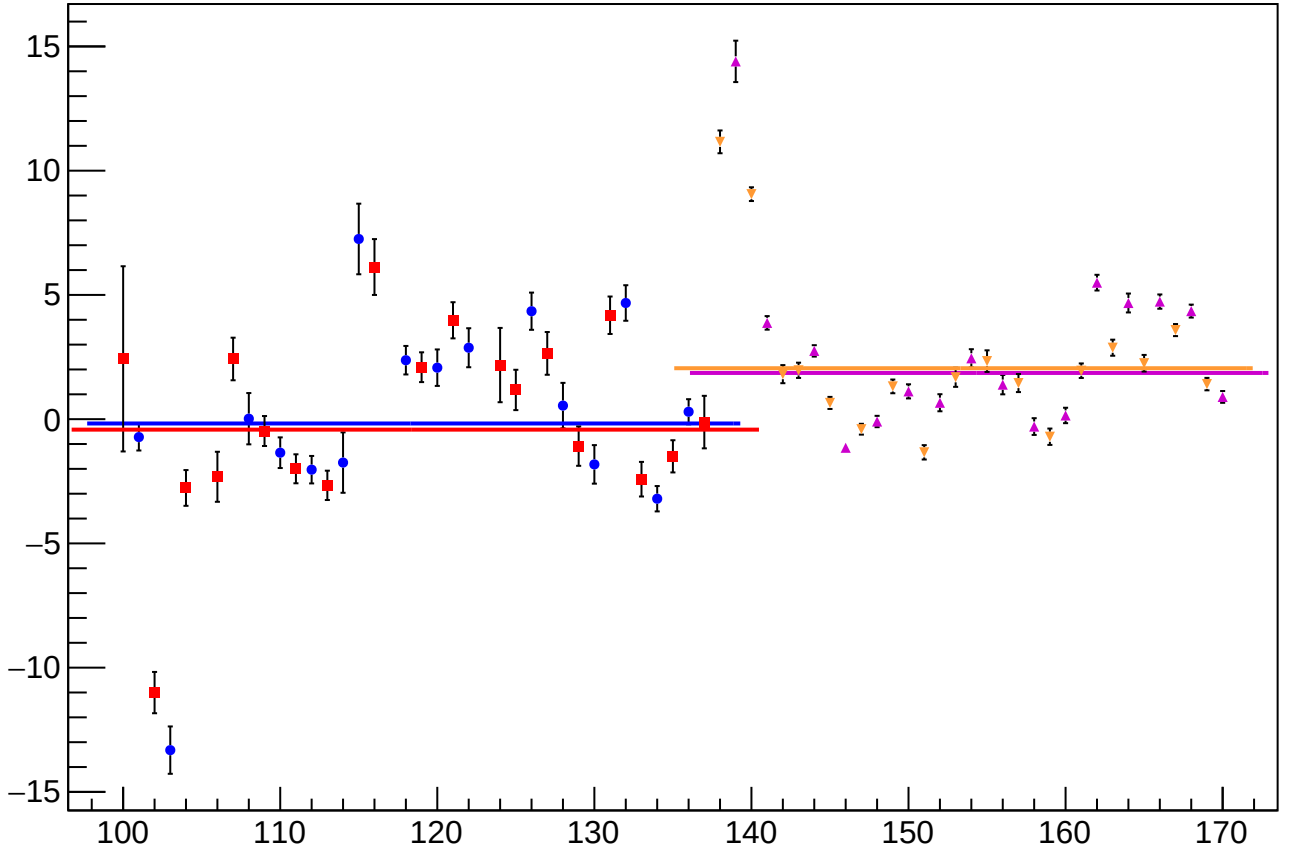
Left: -9.331+/-0.072 χ^2/NDF: 4993.1/32

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.969+/-0.085 χ^2/NDF:4691.9/31

Out: -6.710+/-0.084 χ^2/NDF:5217.2/35

All: -6.838+/-0.060 χ^2/NDF: 9913.8/67



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.050+/-0.072 χ^2/NDF:1467.1/16

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.860+/-0.072 χ^2/NDF:1098.2/15

Left: 1.954+/-0.051 χ^2/NDF: 2568.8/32

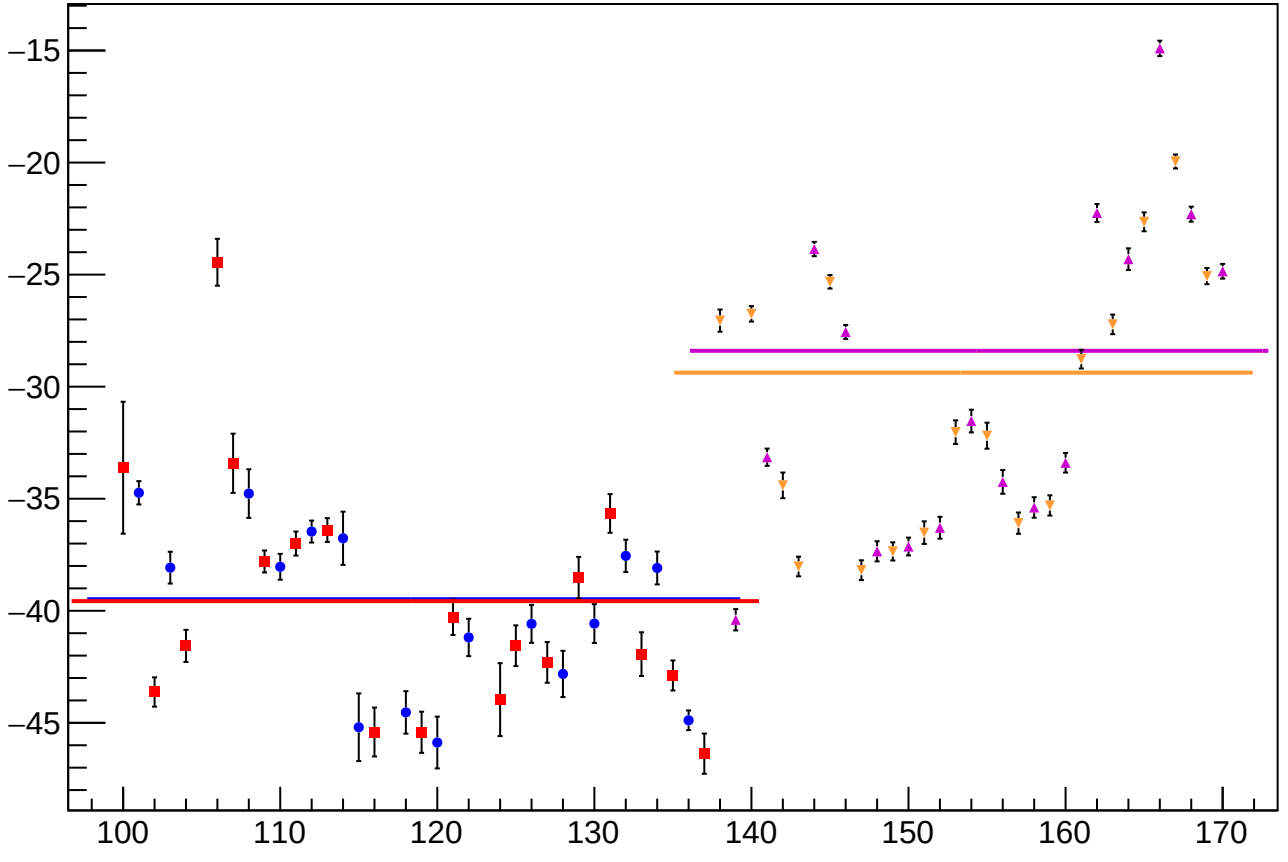
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.563+/-0.066 χ^2/NDF:1619.3/31

Out: 1.697+/-0.067 χ^2/NDF:2000.0/35

All: 1.629+/-0.047 χ^2/NDF: 3621.4/67

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: -29.375+/-0.101 χ^2/NDF:3471.7/16

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -28.400+/-0.099 χ^2/NDF:4951.8/15

Left: -28.878+/-0.071 χ^2/NDF: 8470.8/32

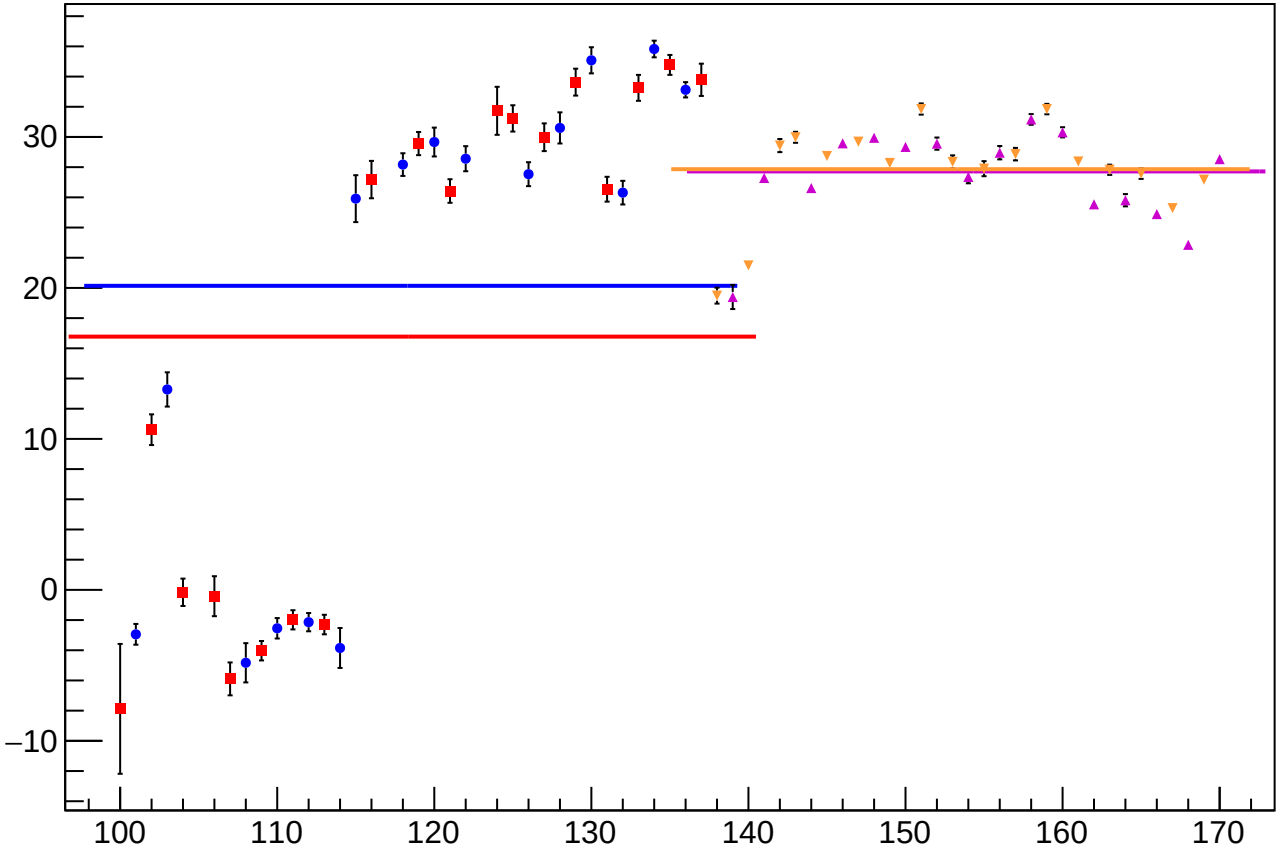
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -30.980+/-0.087 χ^2/NDF:8262.8/31

Out: -31.808+/-0.088 χ^2/NDF:6441.0/35

All: -31.387+/-0.062 χ^2/NDF: 14748.4/67

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: 27.865+/-0.084 χ^2/NDF:1072.1/16

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.717+/-0.083 χ^2/NDF:861.0/15

Left: 27.790+/-0.059 χ^2/NDF: 1934.7/32

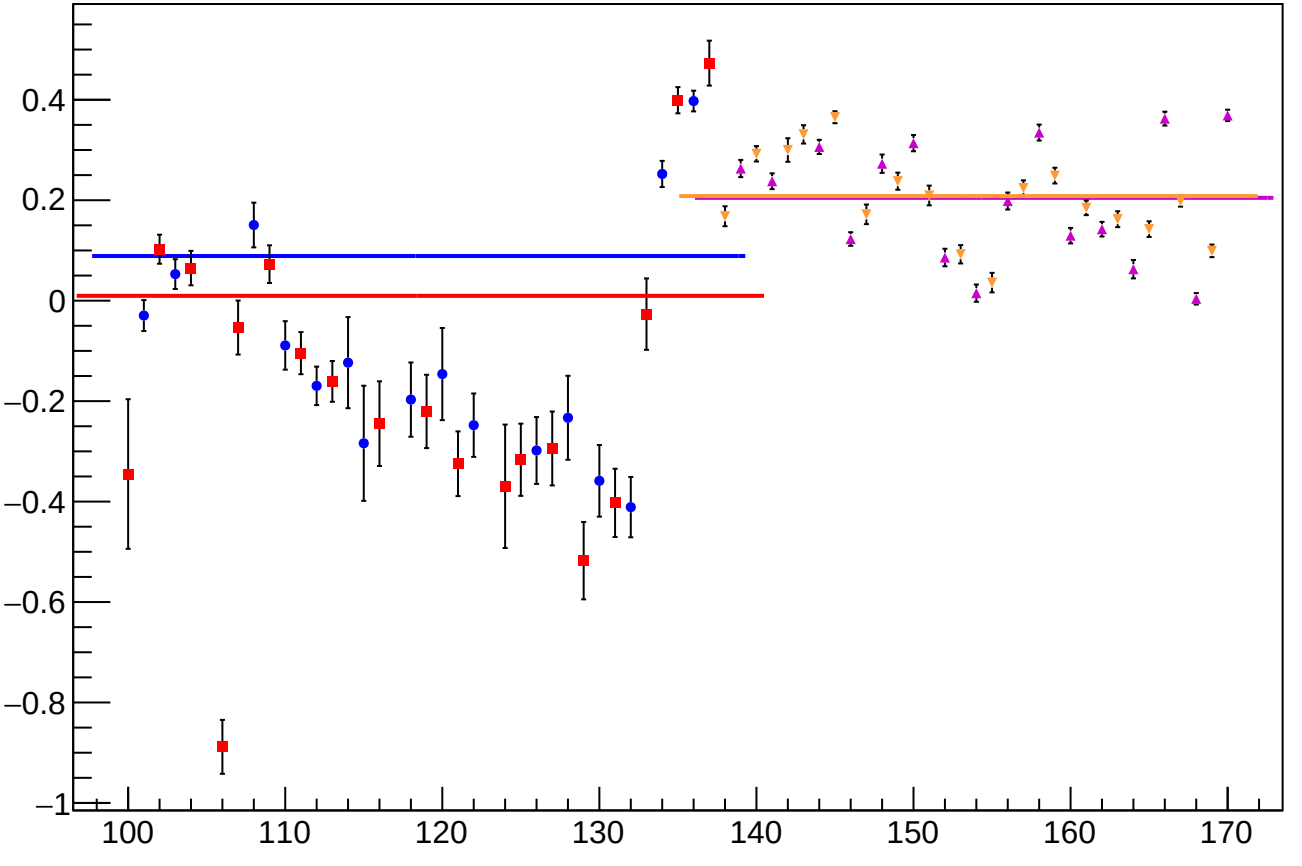
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.562+/-0.076 χ^2/NDF:8829.2/31

Out: 26.213+/-0.077 χ^2/NDF:10435.7/35

All: 26.390+/-0.054 χ^2/NDF: 19275.3/67

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: 0.208+/-0.004 χ^2/NDF:506.0/16

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.205+/-0.004 χ^2/NDF:1149.9/15

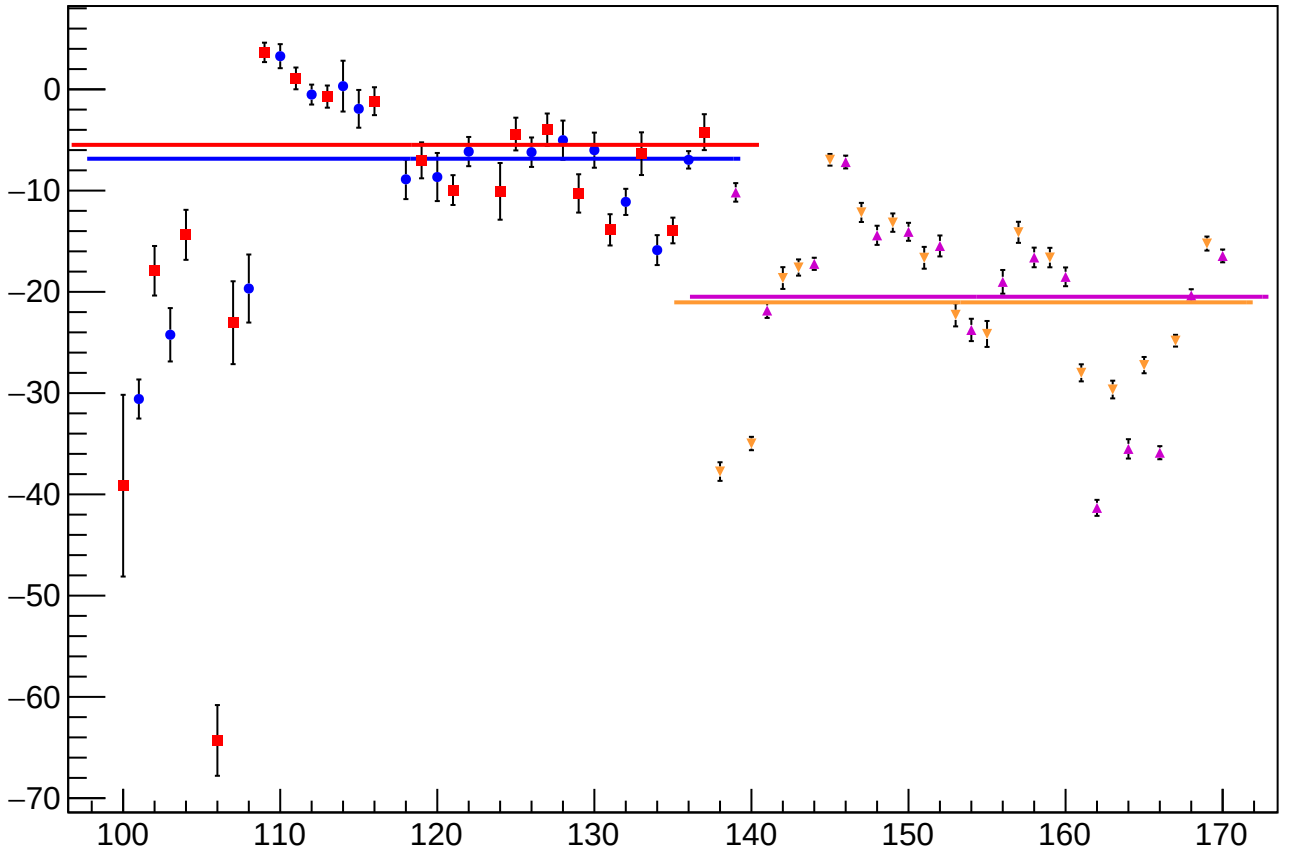
Left: 0.206+/-0.003 χ^2/NDF: 1656.3/32

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.192+/-0.004 χ^2/NDF:1823.4/31

Out: 0.187+/-0.004 χ^2/NDF:1630.7/35

All: 0.189+/-0.003 χ^2/NDF: 3454.9/67



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.036+/-0.201 χ^2/NDF:1986.3/16

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.483+/-0.198 χ^2/NDF:2296.5/15

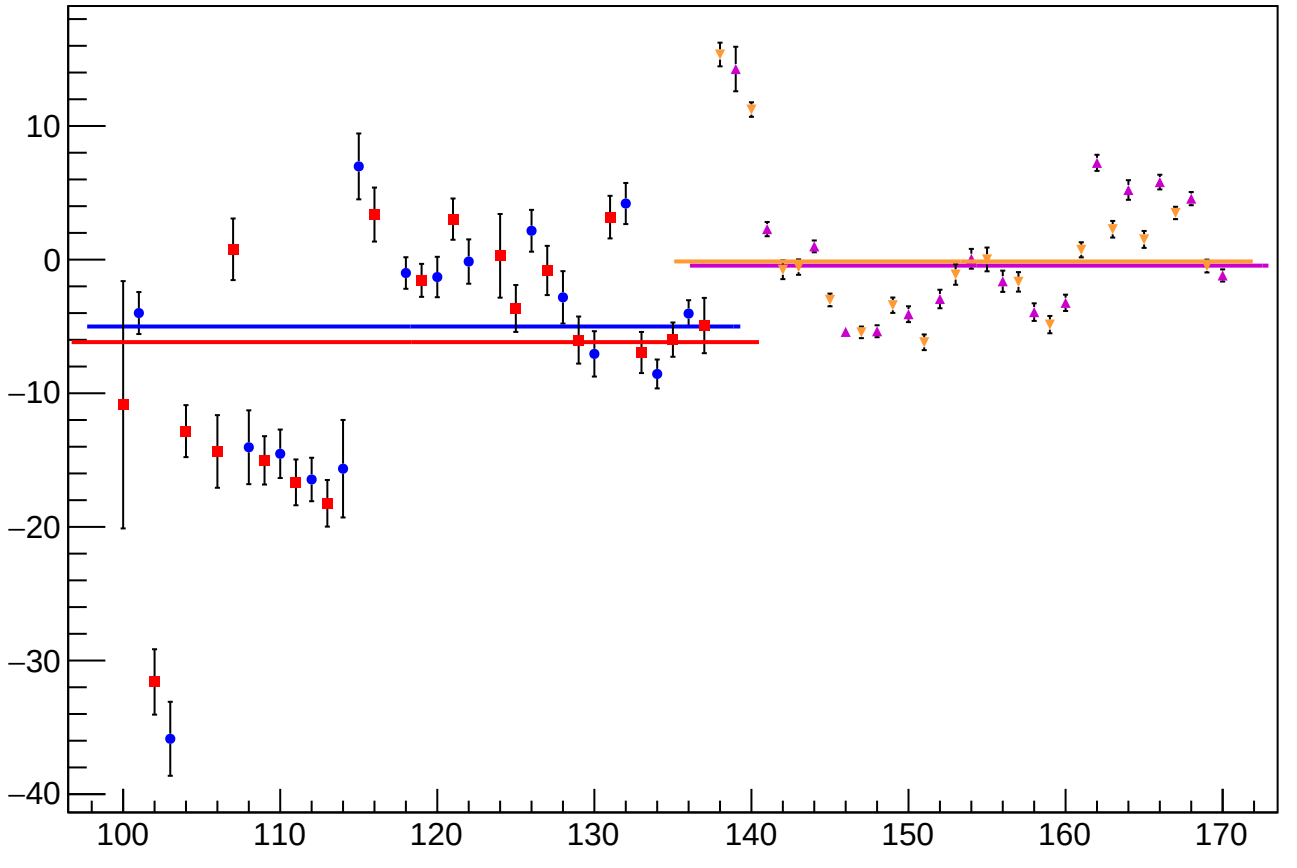
Left: -20.756+/-0.141 χ^2/NDF: 4286.6/32

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.521+/-0.175 χ^2/NDF:3717.2/31

Out: -17.482+/-0.176 χ^2/NDF:3963.5/35

All: -17.501+/-0.124 χ^2/NDF: 7680.8/67



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.135+/-0.142 χ^2/NDF:1213.8/16

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.450+/-0.140 χ^2/NDF:968.0/15

Left: -0.295+/-0.100 χ^2/NDF: 2184.3/32

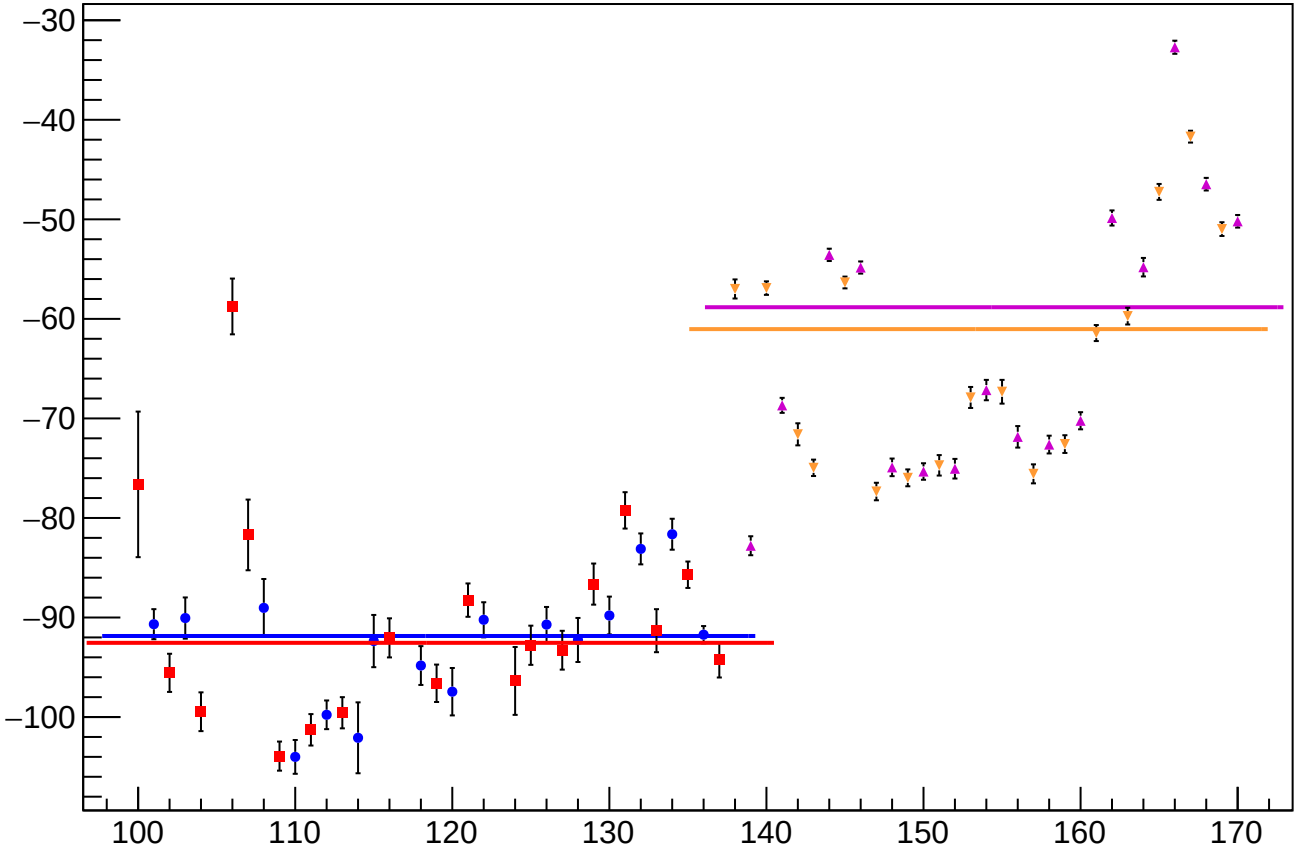
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.956+/-0.132 χ^2/NDF:1427.7/31

Out: -0.762+/-0.134 χ^2/NDF:1771.2/35

All: -0.861+/-0.094 χ^2/NDF: 3200.0/67

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.029+/-0.198 χ^2/NDF:3359.6/16

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -58.830+/-0.194 χ^2/NDF:4827.8/15

Left: -59.906+/-0.139 χ^2/NDF: 8250.1/32

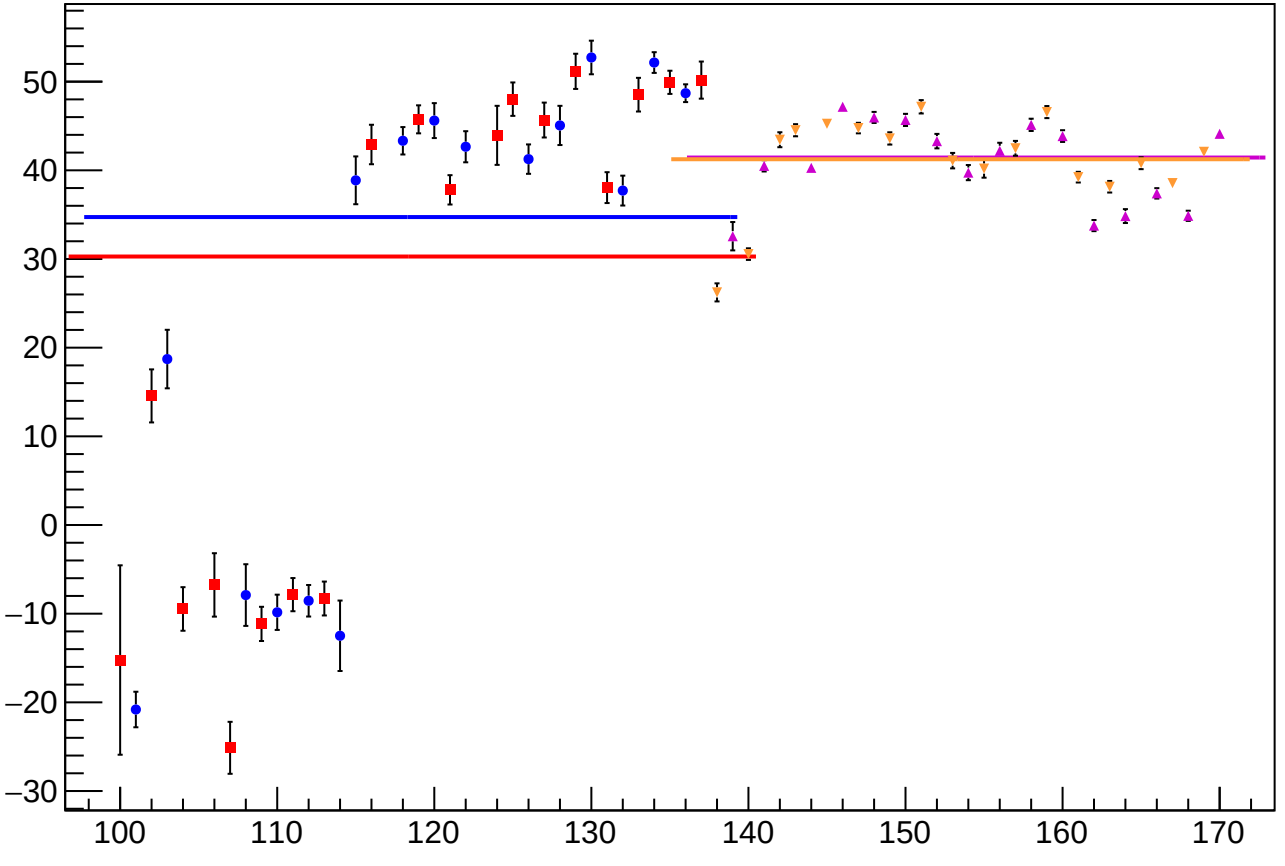
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -64.562+/-0.177 χ^2/NDF:10018.3/31

Out: -66.369+/-0.181 χ^2/NDF:8022.9/35

All: -65.444+/-0.126 χ^2/NDF: 18092.3/67

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.249+/-0.163 χ^2/NDF:804.2/16

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.441+/-0.161 χ^2/NDF:756.2/15

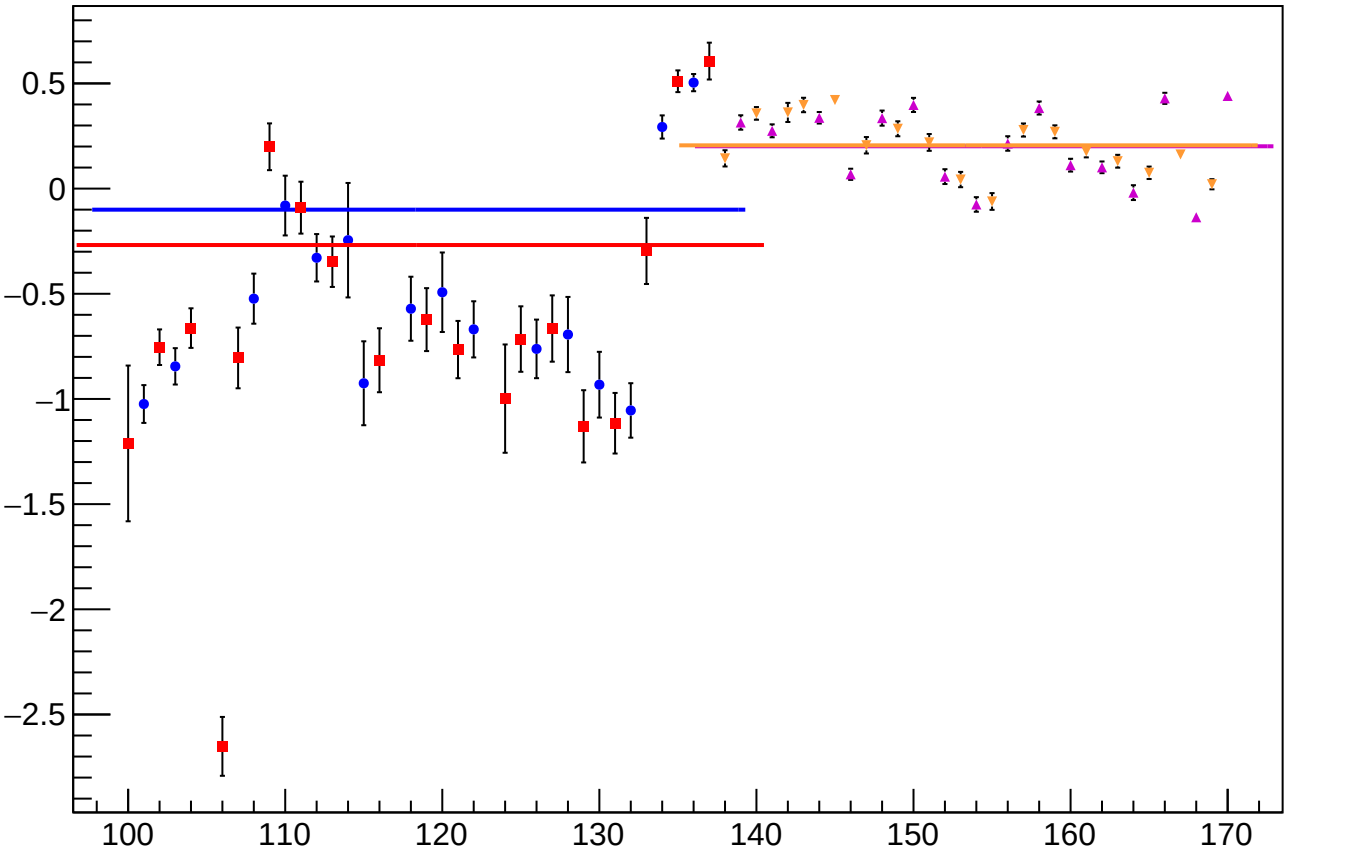
Left: 41.347+/-0.115 χ^2/NDF: 1561.1/32

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.651+/-0.152 χ^2/NDF:3768.8/31

Out: 40.053+/-0.154 χ^2/NDF:4206.8/35

All: 40.357+/-0.108 χ^2/NDF: 7983.3/67



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.206+/-0.008 χ^2/NDF:323.7/16

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.201+/-0.007 χ^2/NDF:724.9/15

Left: 0.203+/-0.005 χ^2/NDF: 1048.8/32

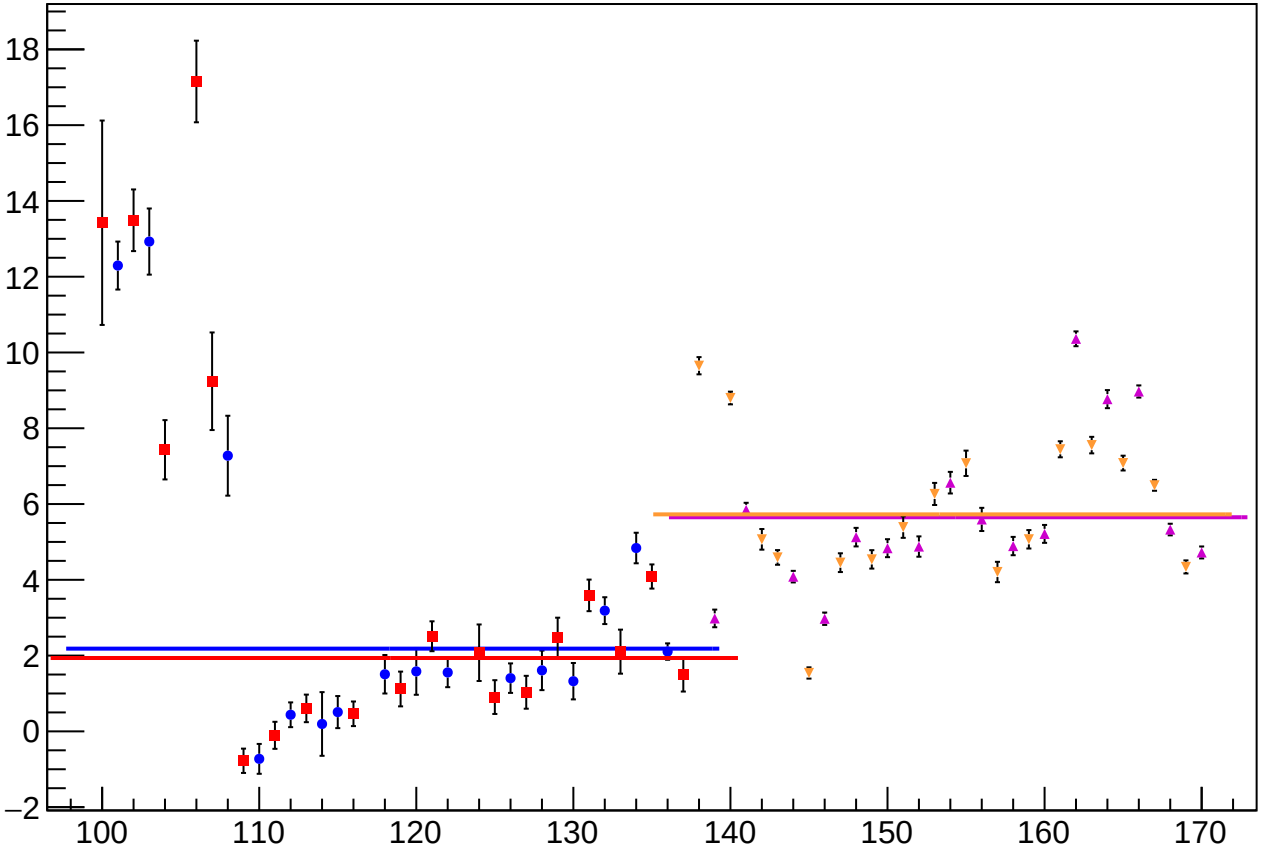
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.176+/-0.007 χ^2/NDF:1500.3/31

Out: 0.170+/-0.007 χ^2/NDF:1445.5/35

All: 0.173+/-0.005 χ^2/NDF: 2946.1/67

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.727+/-0.051 χ^2/NDF:1853.7/16

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.651+/-0.050 χ^2/NDF:1770.9/15

Left: 5.689+/-0.036 χ^2/NDF: 3625.8/32

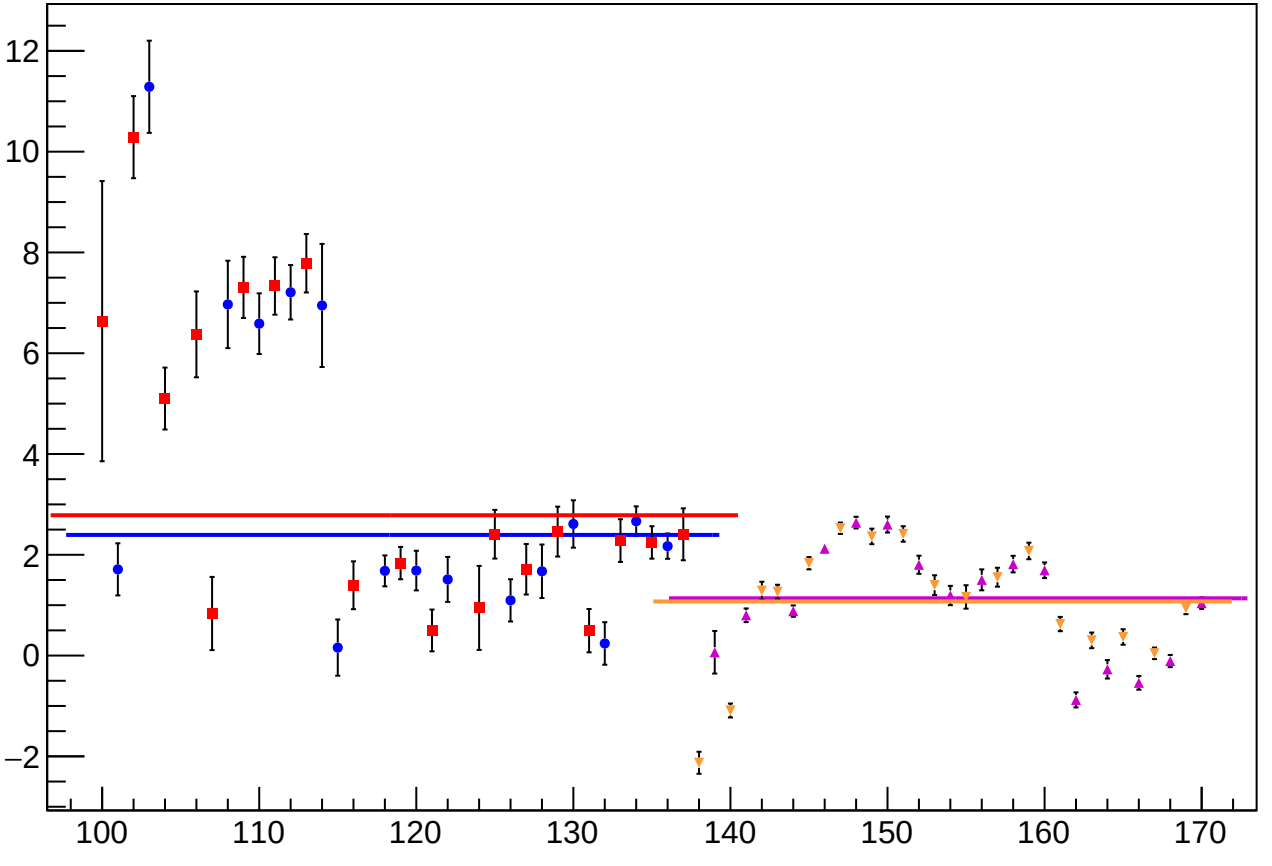
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.008+/-0.045 χ^2/NDF:3258.8/31

Out: 5.015+/-0.046 χ^2/NDF:3620.0/35

All: 5.012+/-0.032 χ^2/NDF: 6878.8/67

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.074+/-0.036 χ^2/NDF:995.0/16

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.136+/-0.035 χ^2/NDF:924.3/15

Left: 1.106+/-0.025 χ^2/NDF: 1920.8/32

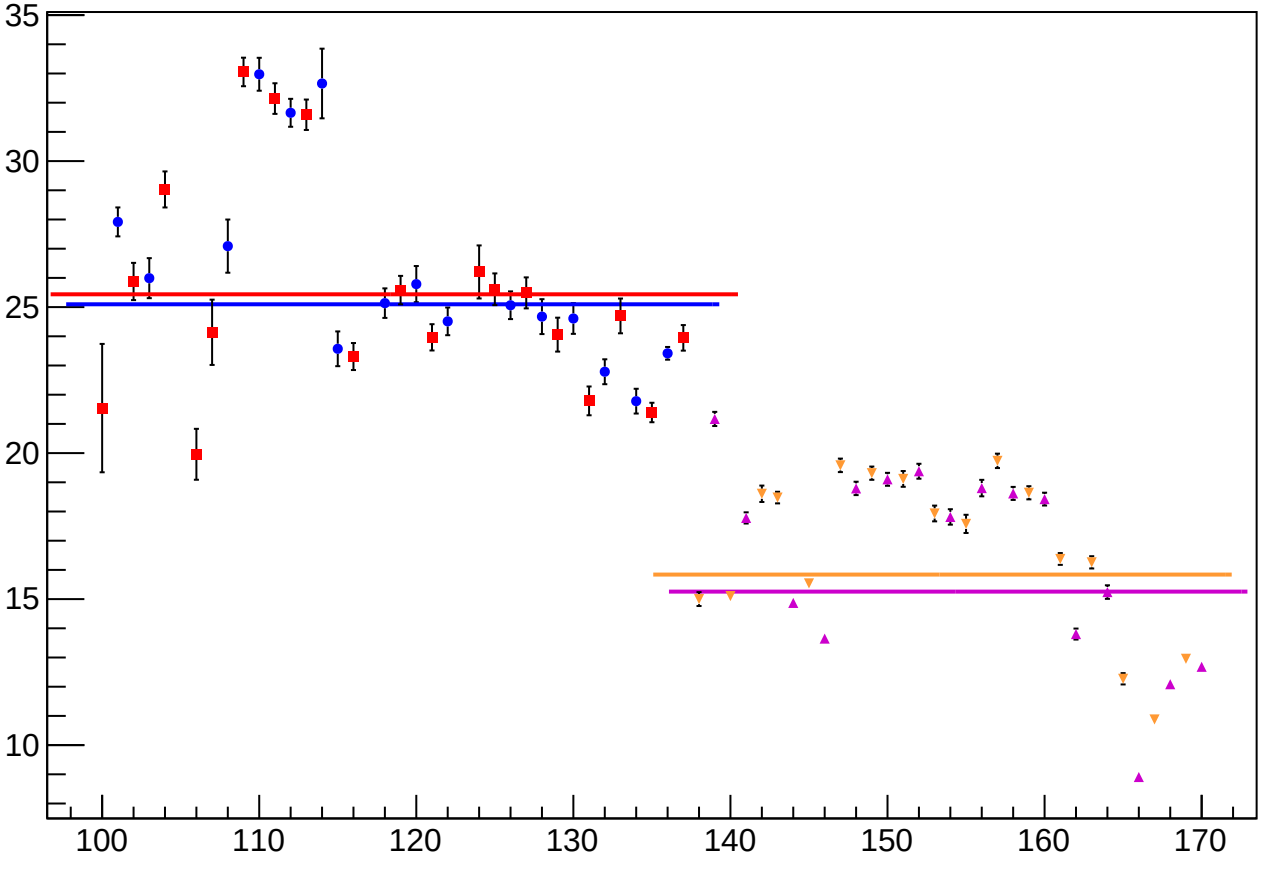
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.258+/-0.034 χ^2/NDF:1380.0/31

Out: 1.224+/-0.034 χ^2/NDF:1604.7/35

All: 1.241+/-0.024 χ^2/NDF: 2985.2/67

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: 15.840+/-0.050 χ^2/NDF:3203.2/16

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.257+/-0.049 χ^2/NDF:4608.0/15

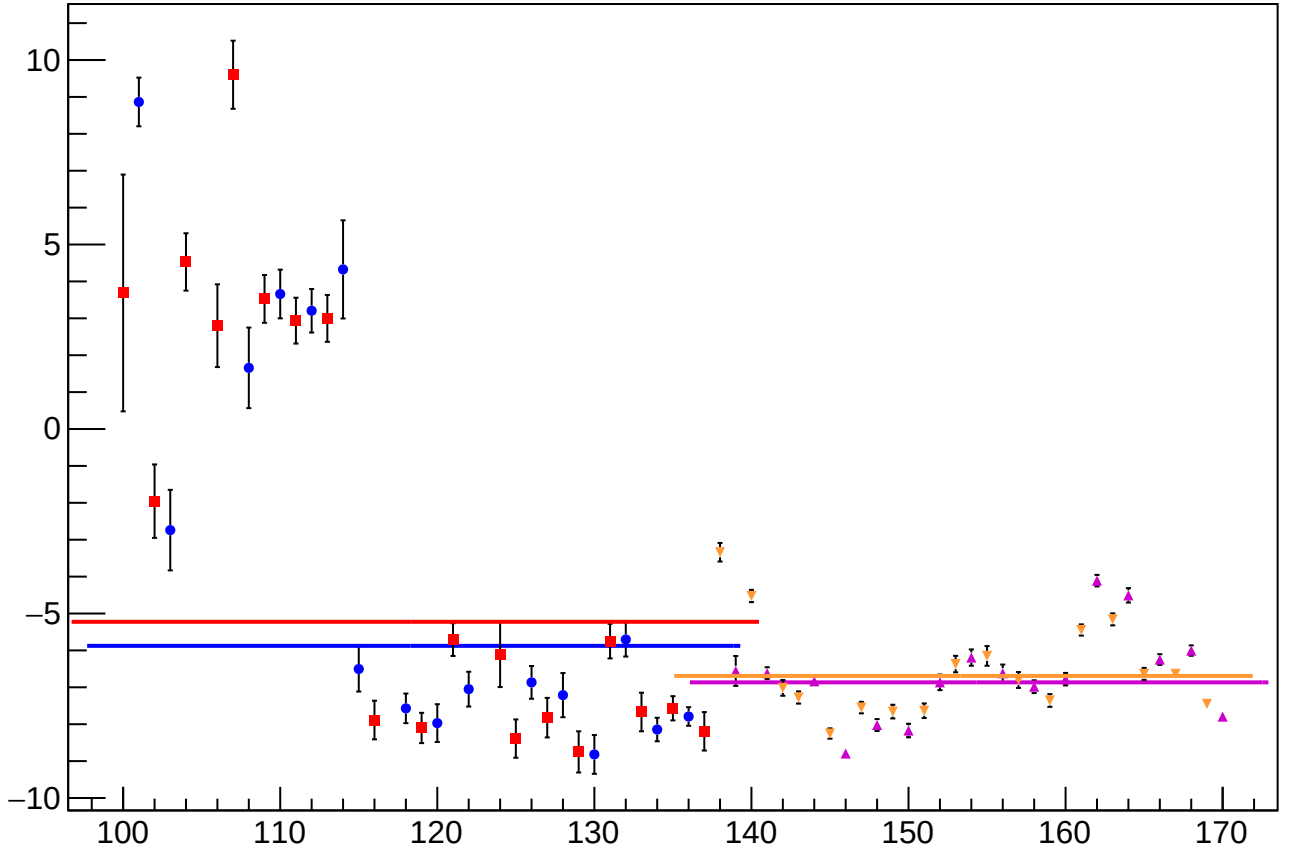
Left: 15.543+/-0.035 χ^2/NDF: 7880.2/32

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 16.724+/-0.045 χ^2/NDF:11193.7/31

Out: 17.190+/-0.047 χ^2/NDF:9227.4/35

All: 16.952+/-0.032 χ^2/NDF: 20472.4/67



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.691+/-0.041 χ^2/NDF:775.5/16

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.866+/-0.041 χ^2/NDF:946.0/15

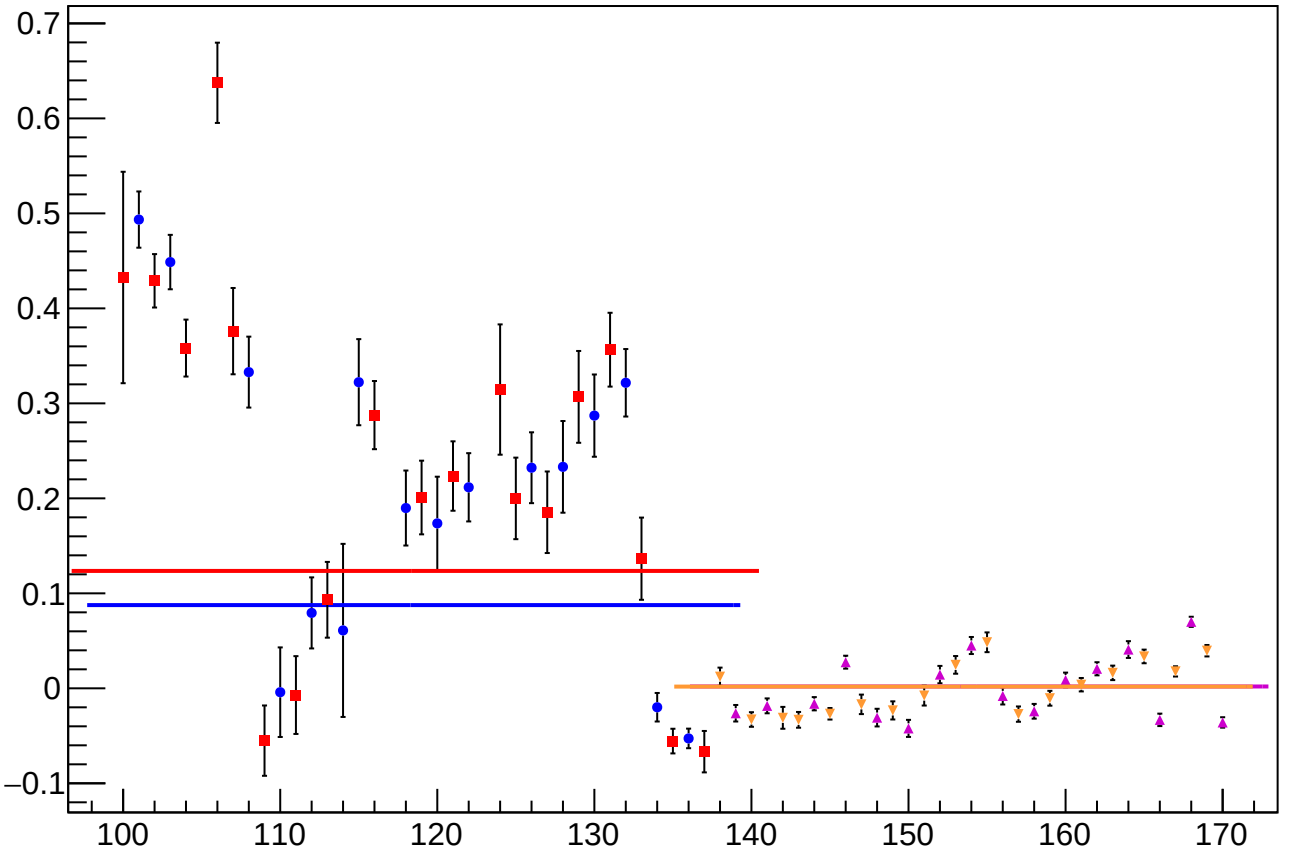
Left: -6.780+/-0.029 χ^2/NDF: 1730.5/32

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.764+/-0.039 χ^2/NDF:2257.8/31

Out: -6.556+/-0.039 χ^2/NDF:2184.0/35

All: -6.662+/-0.028 χ^2/NDF: 4456.0/67



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.002+/-0.002 χ^2/NDF:193.6/16

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.002+/-0.002 χ^2/NDF:379.2/15

Left: 0.002+/-0.001 χ^2/NDF: 572.8/32

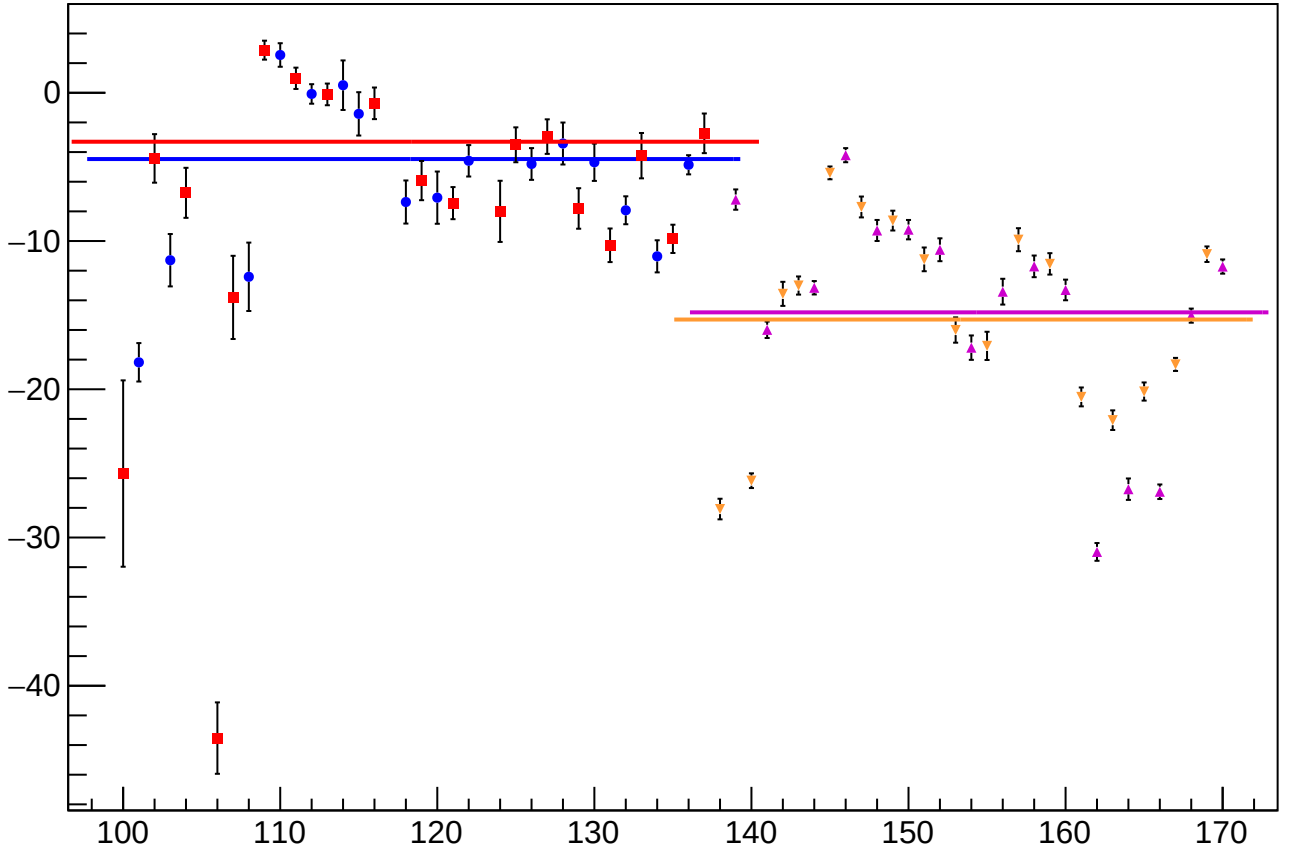
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.008+/-0.002 χ^2/NDF:1303.8/31

Out: 0.009+/-0.002 χ^2/NDF:1214.6/35

All: 0.009+/-0.001 χ^2/NDF: 2518.6/67

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.296+/-0.151 χ^2/NDF:2033.8/16

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.812+/-0.149 χ^2/NDF:2482.3/15

Left: -15.050+/-0.106 χ^2/NDF: 4521.3/32

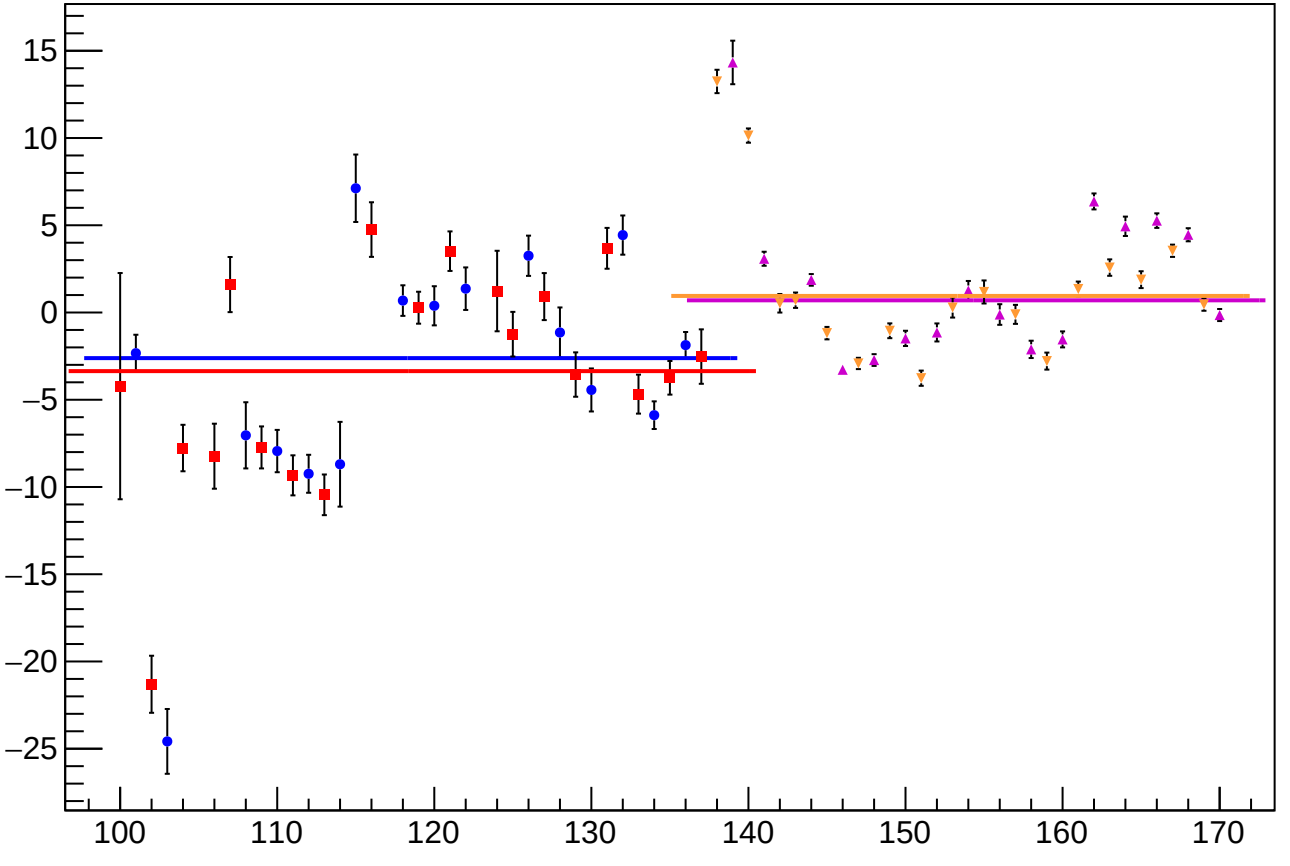
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.376+/-0.130 χ^2/NDF:3948.5/31

Out: -12.278+/-0.131 χ^2/NDF:4201.0/35

All: -12.327+/-0.092 χ^2/NDF: 8149.8/67

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.950+/-0.107 χ^2/NDF:1295.9/16

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.698+/-0.105 χ^2/NDF:1001.3/15

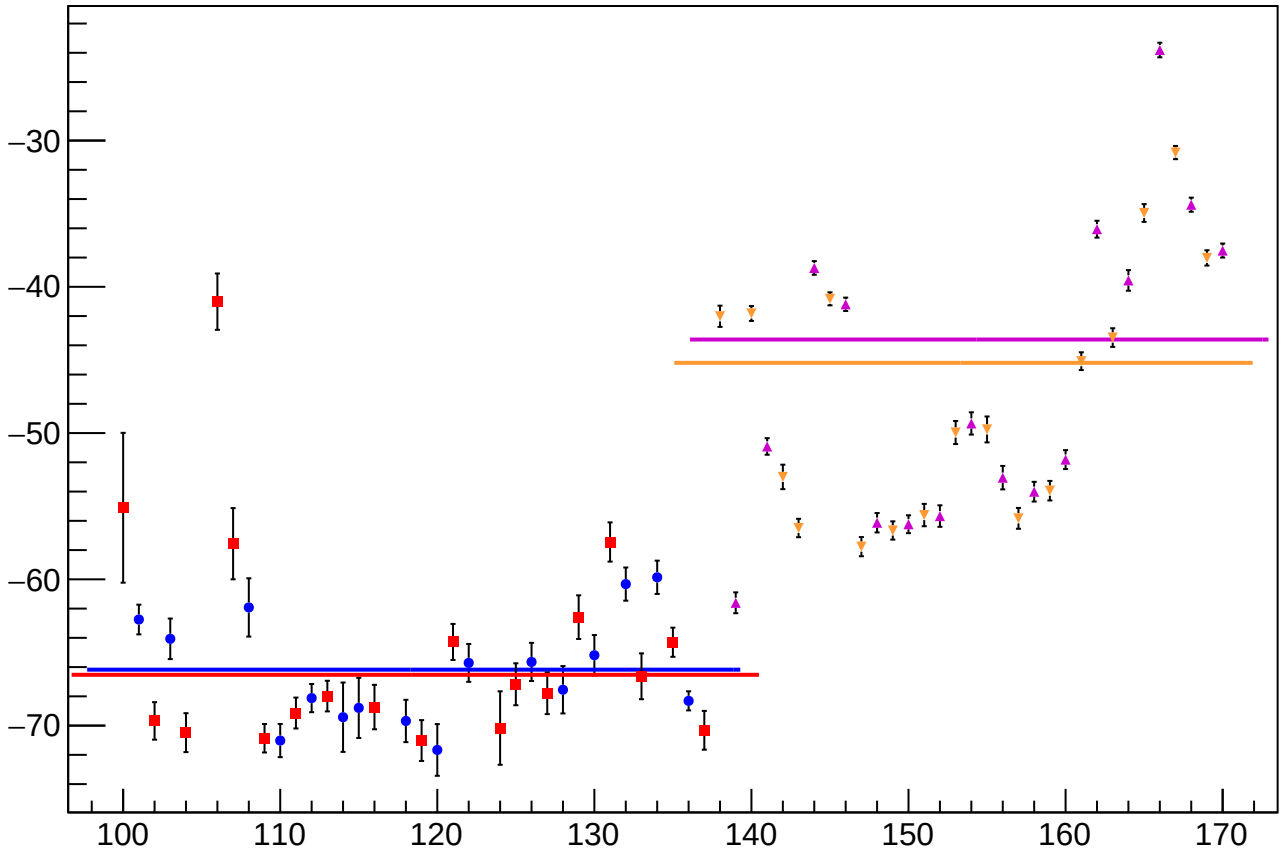
Left: 0.822+/-0.075 χ^2/NDF: 2300.1/32

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

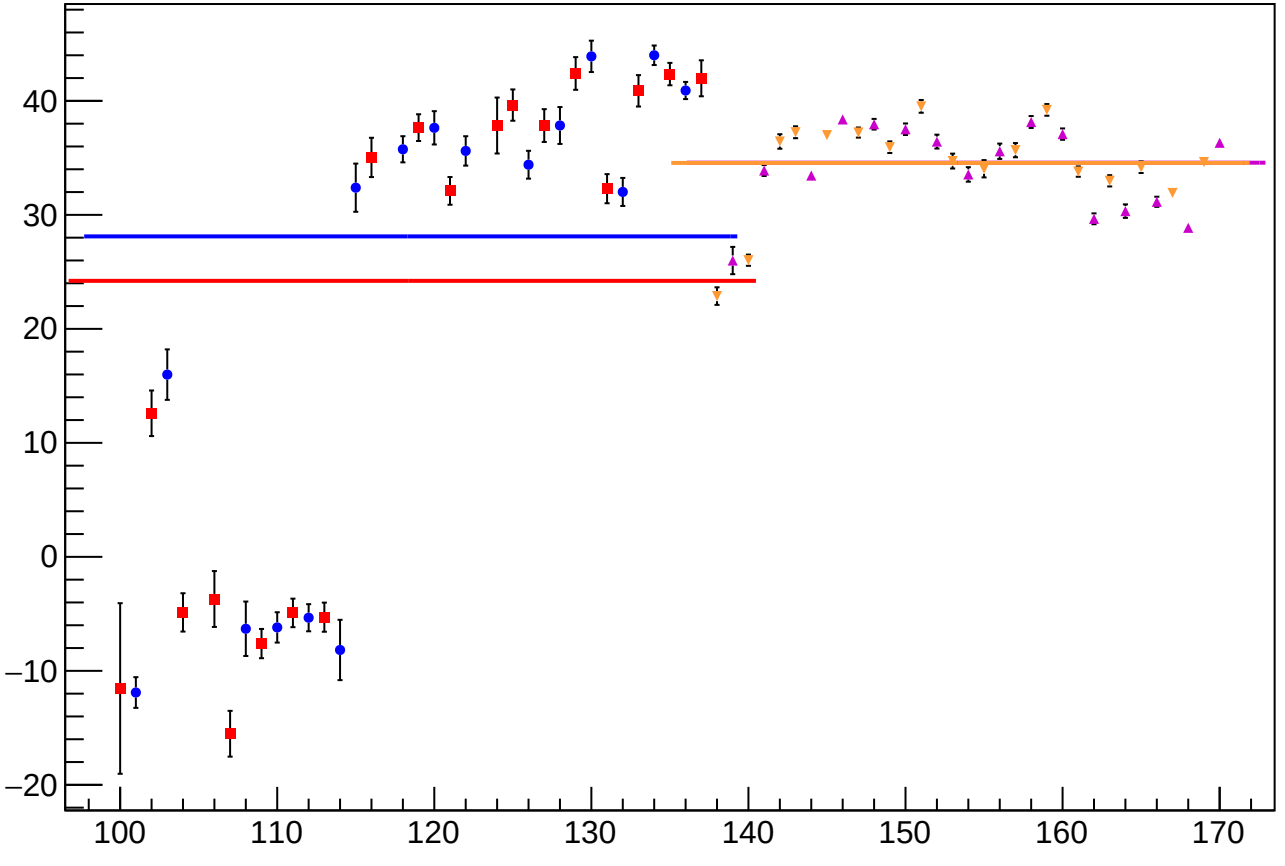
In: 0.302+/-0.099 χ^2/NDF:1471.6/31

Out: 0.463+/-0.100 χ^2/NDF:1840.1/35

All: 0.381+/-0.070 χ^2/NDF: 3313.0/67


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -66.176+/-0.304 χ²/NDF: 129.2/15
Left Out: -45.198+/-0.149 χ²/NDF:3403.6/16
Right Out: -66.526+/-0.312 χ²/NDF: 321.7/18
Left In: -43.604+/-0.146 χ²/NDF:4881.2/15
Left: -44.384+/-0.104 χ²/NDF: 8343.0/32
Right: -66.346+/-0.218 χ²/NDF: 451.5/34
In: -47.839+/-0.132 χ²/NDF:9479.7/31
Out: -49.164+/-0.135 χ²/NDF:7517.9/35
All: -48.487+/-0.094 χ²/NDF: 17047.1/67

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.558+/-0.123 χ^2/NDF:868.6/16

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.577+/-0.121 χ^2/NDF:758.4/15

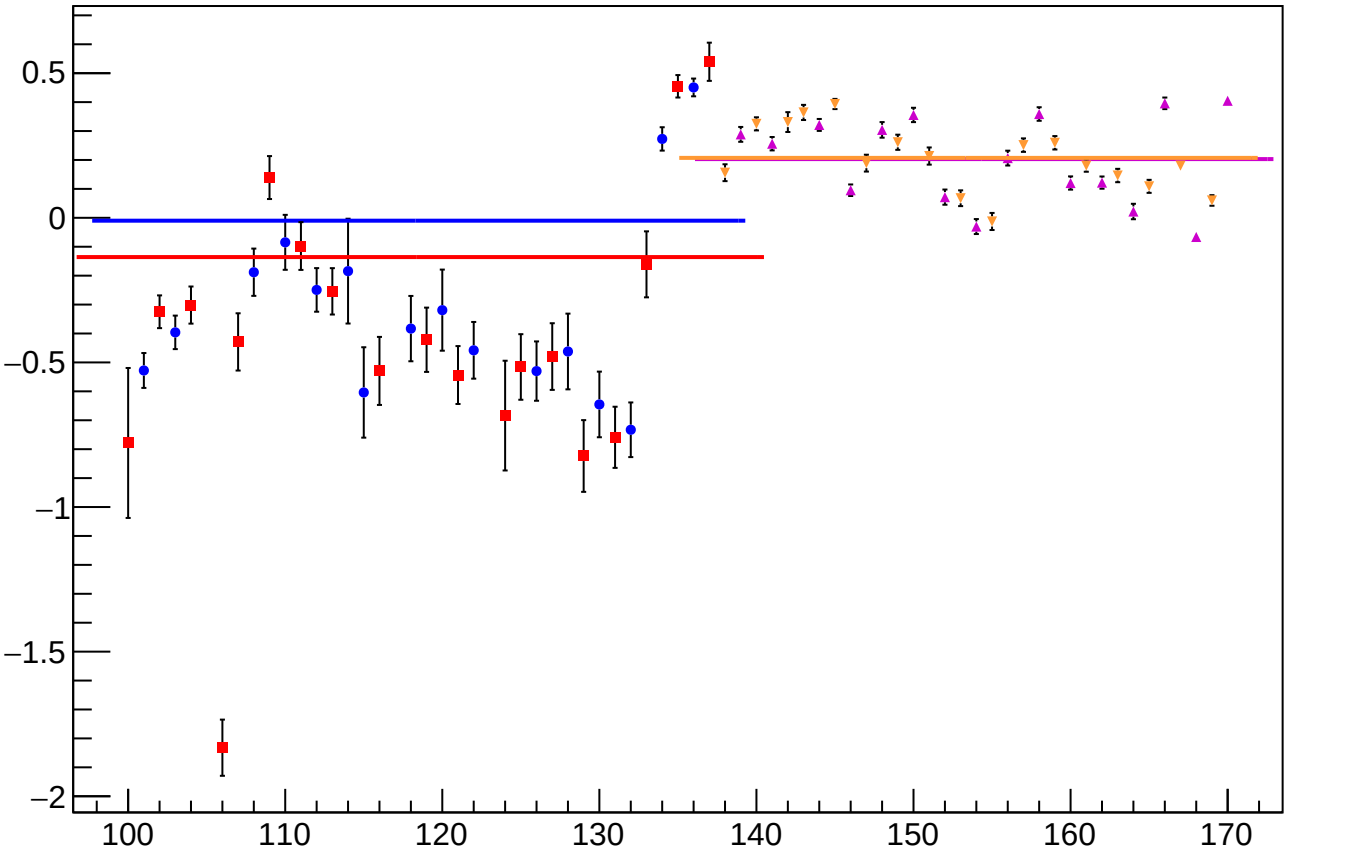
Left: 34.568+/-0.086 χ^2/NDF: 1627.0/32

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

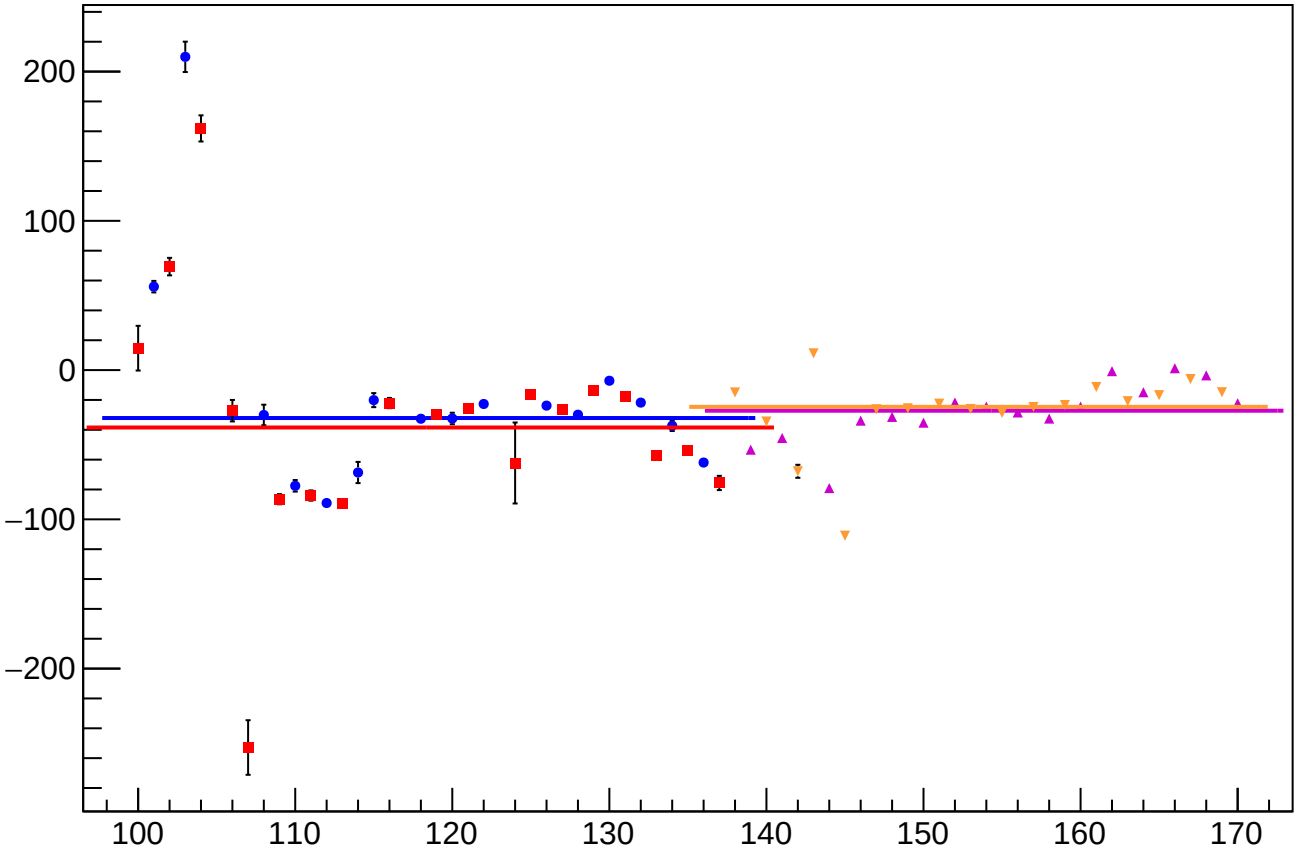
In: 33.762+/-0.114 χ^2/NDF:4843.0/31

Out: 33.331+/-0.116 χ^2/NDF:5548.0/35

All: 33.551+/-0.081 χ^2/NDF: 10398.0/67


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.207+/-0.006 χ²/NDF:380.5/16
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.203+/-0.006 χ²/NDF:861.7/15
Left: 0.205+/-0.004 χ²/NDF: 1242.4/32
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.183+/-0.005 χ²/NDF:1586.2/31
Out: 0.179+/-0.005 χ²/NDF:1503.3/35
All: 0.181+/-0.004 χ²/NDF: 3089.9/67

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -24.632+/-0.696 χ^2/NDF:1077.5/16

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -27.219+/-0.694 χ^2/NDF:815.1/15

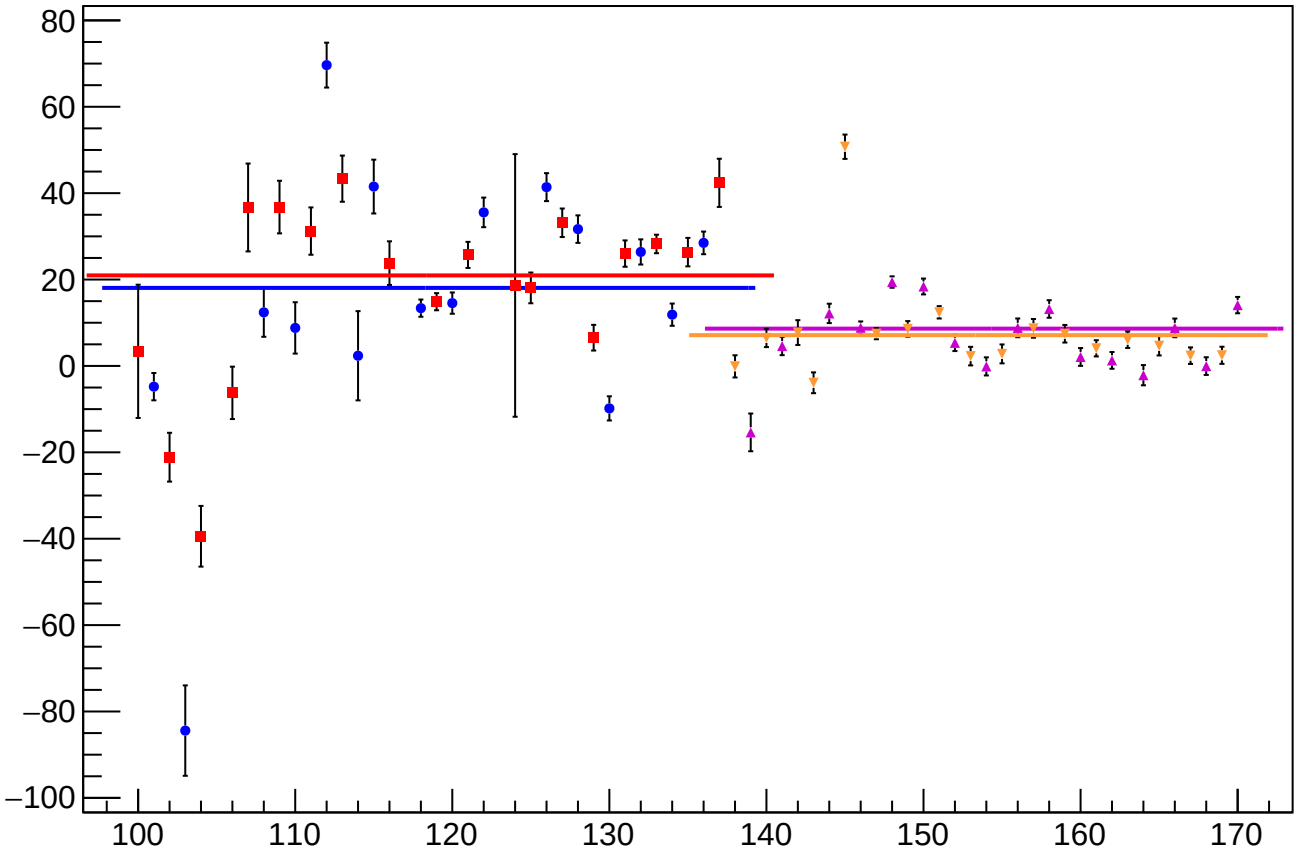
Left: -25.928+/-0.492 χ^2/NDF: 1899.5/32

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -29.199+/-0.536 χ^2/NDF:2712.7/31

Out: -30.071+/-0.542 χ^2/NDF:3205.3/35

All: -29.630+/-0.381 χ^2/NDF: 5919.3/67



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.126+/-0.479 χ^2/NDF:308.8/16

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.637+/-0.489 χ^2/NDF:228.7/15

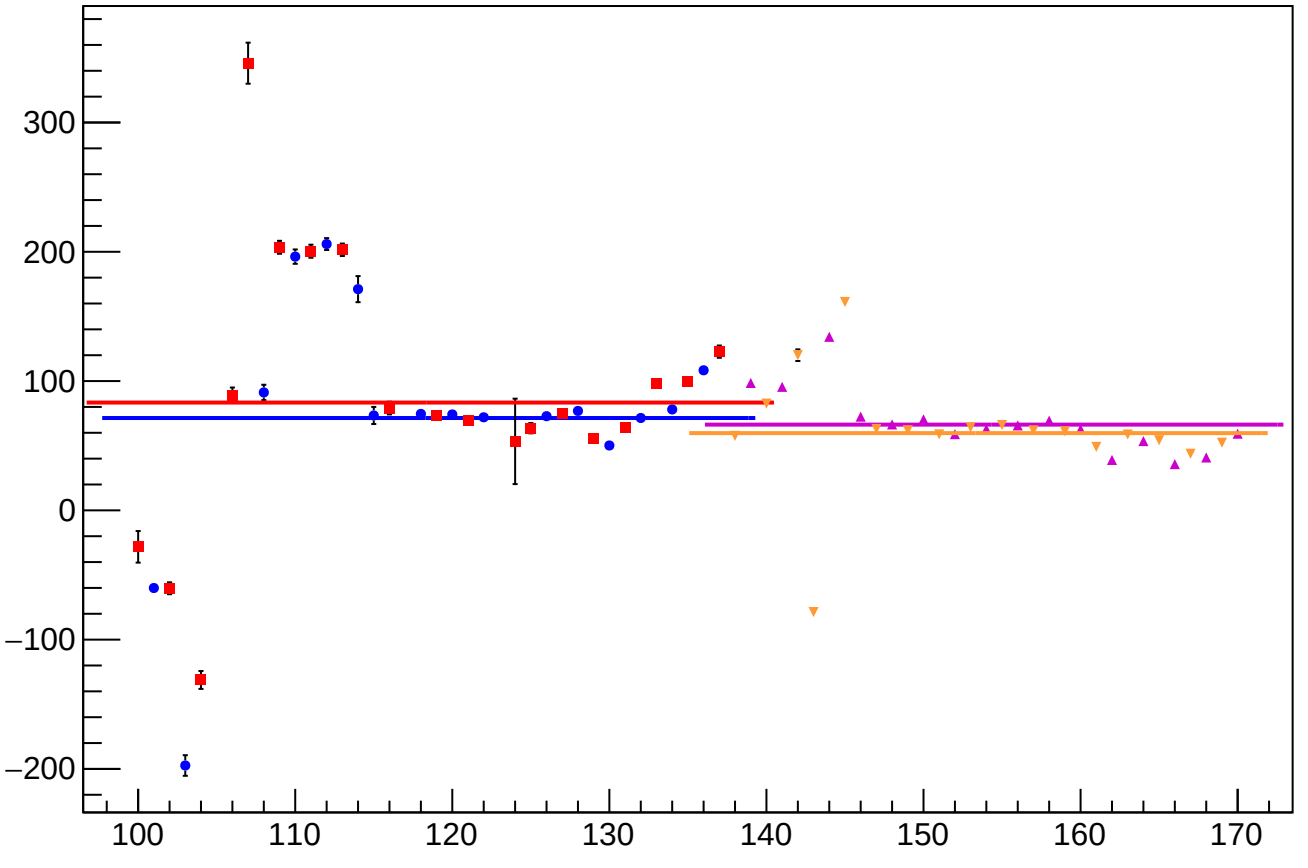
Left: 7.867+/-0.342 χ^2/NDF: 542.4/32

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 11.096+/-0.420 χ^2/NDF:825.4/31

Out: 10.355+/-0.420 χ^2/NDF:766.0/35

All: 10.725+/-0.297 χ^2/NDF: 1592.9/67



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 59.741+/-0.679 χ^2/NDF:2971.9/16

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 66.319+/-0.675 χ^2/NDF:1140.3/15

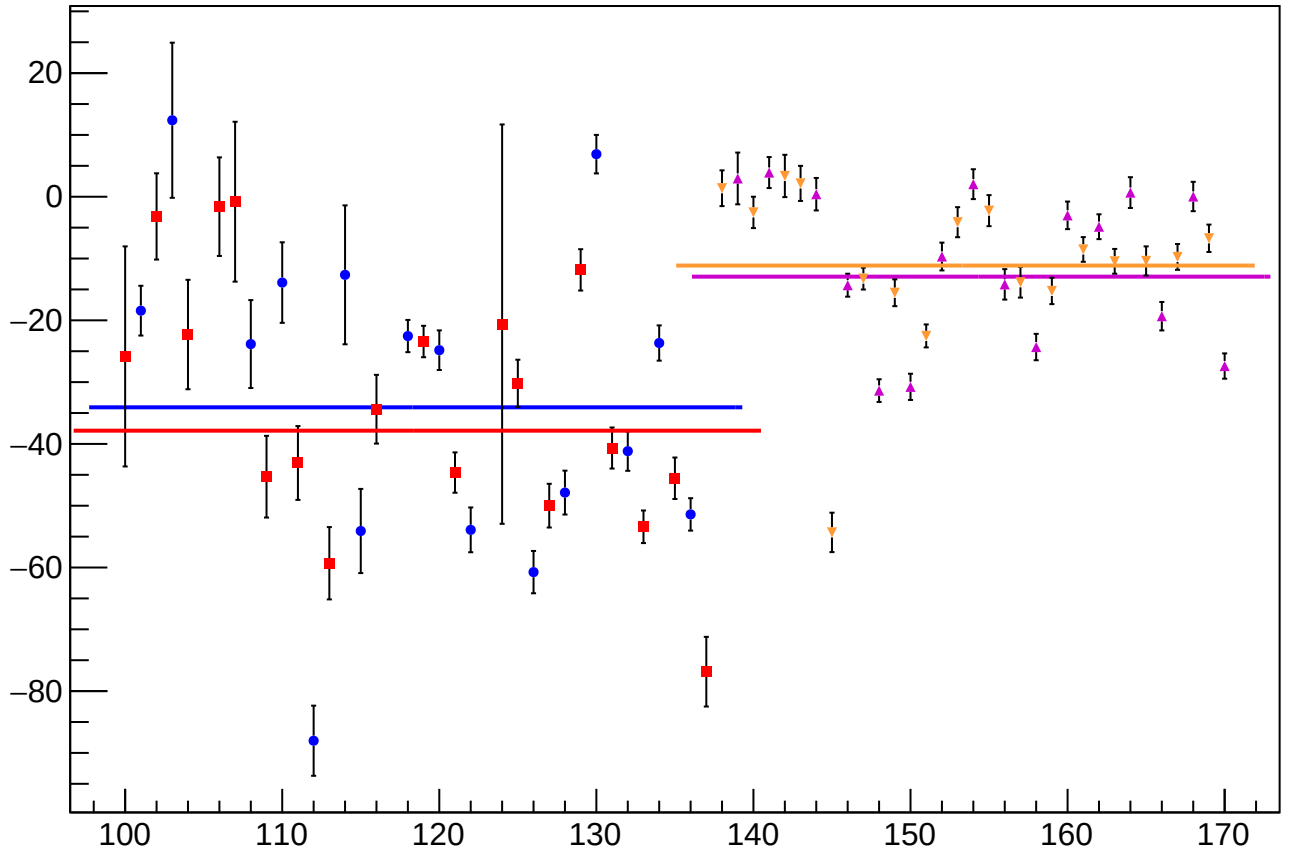
Left: 63.047+/-0.479 χ^2/NDF: 4159.4/32

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 68.078+/-0.547 χ^2/NDF:5979.6/31

Out: 67.355+/-0.559 χ^2/NDF:7659.8/35

All: 67.725+/-0.391 χ^2/NDF: 13640.2/67



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.139+/-0.557 χ^2/NDF:328.8/16

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.933+/-0.565 χ^2/NDF:479.9/15

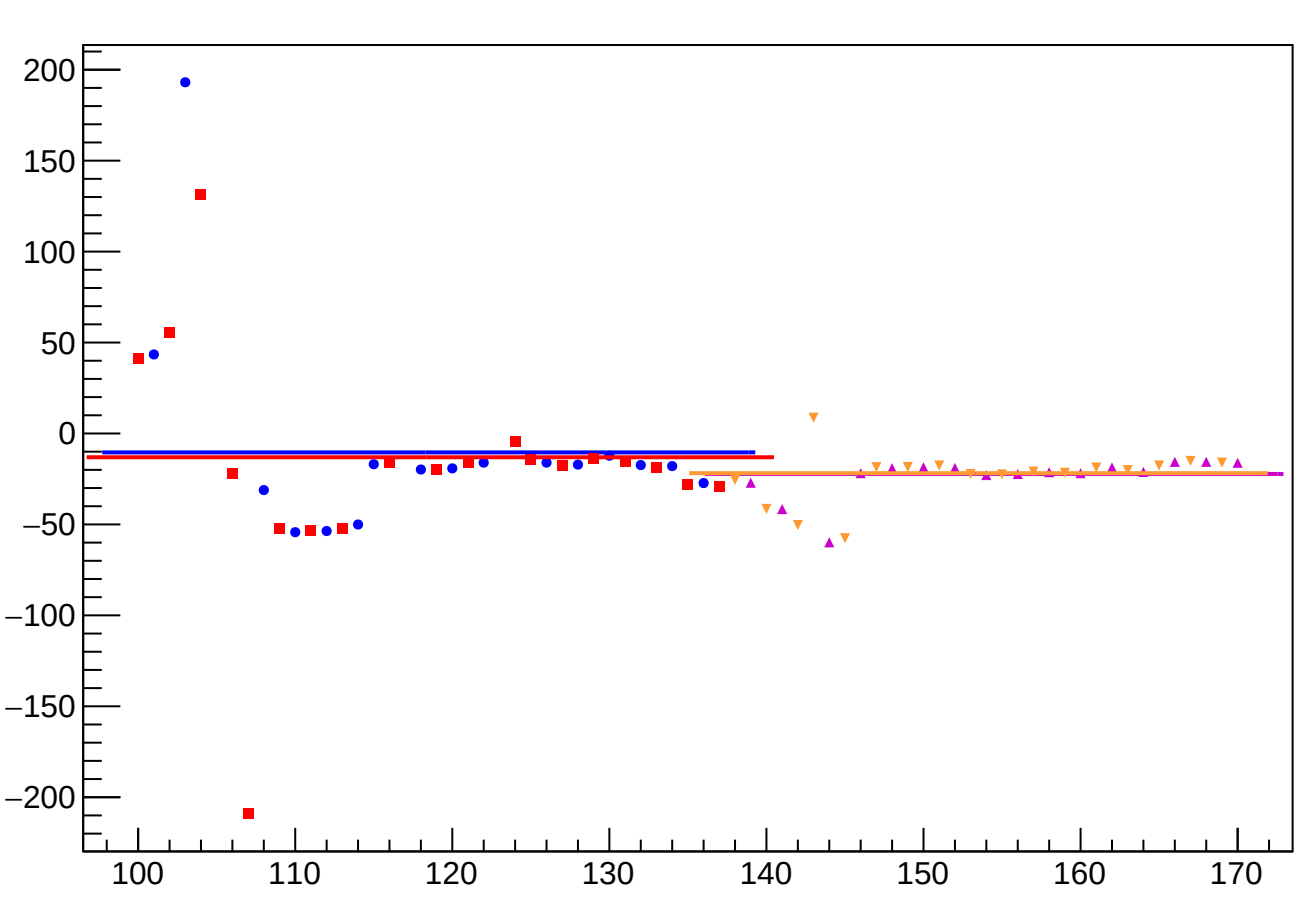
Left: -12.024+/-0.396 χ^2/NDF: 813.8/32

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

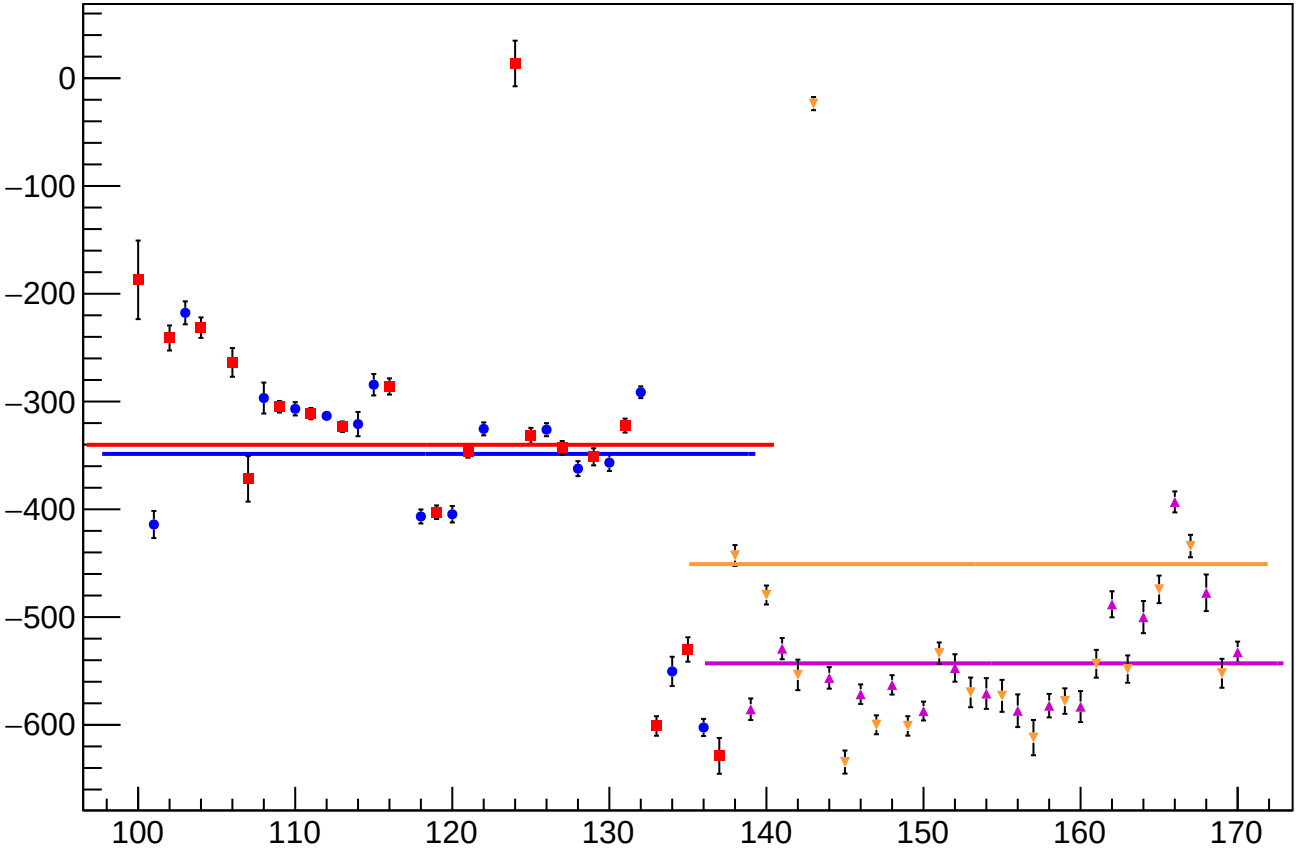
In: -18.519+/-0.484 χ^2/NDF:1361.6/31

Out: -17.518+/-0.486 χ^2/NDF:1153.5/35

All: -18.020+/-0.343 χ^2/NDF: 2517.3/67


reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -10.400+/-0.057 χ²/NDF: 522334.6/15
Left Out: -21.835+/-0.025 χ²/NDF:194587.0/16
Right Out: -13.074+/-0.063 χ²/NDF: 449609.3/18
Left In: -22.246+/-0.025 χ²/NDF:119958.6/15
Left: -22.044+/-0.018 χ²/NDF: 314678.2/32
Right: -11.607+/-0.042 χ²/NDF: 972944.0/34
In: -20.315+/-0.023 χ²/NDF:678674.5/31
Out: -20.594+/-0.024 χ²/NDF:660998.5/35
All: -20.451+/-0.016 χ²/NDF: 1339744.7/67

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -450.868+/-2.556 χ^2/NDF:6391.2/16

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -542.922+/-2.749 χ^2/NDF:376.0/15

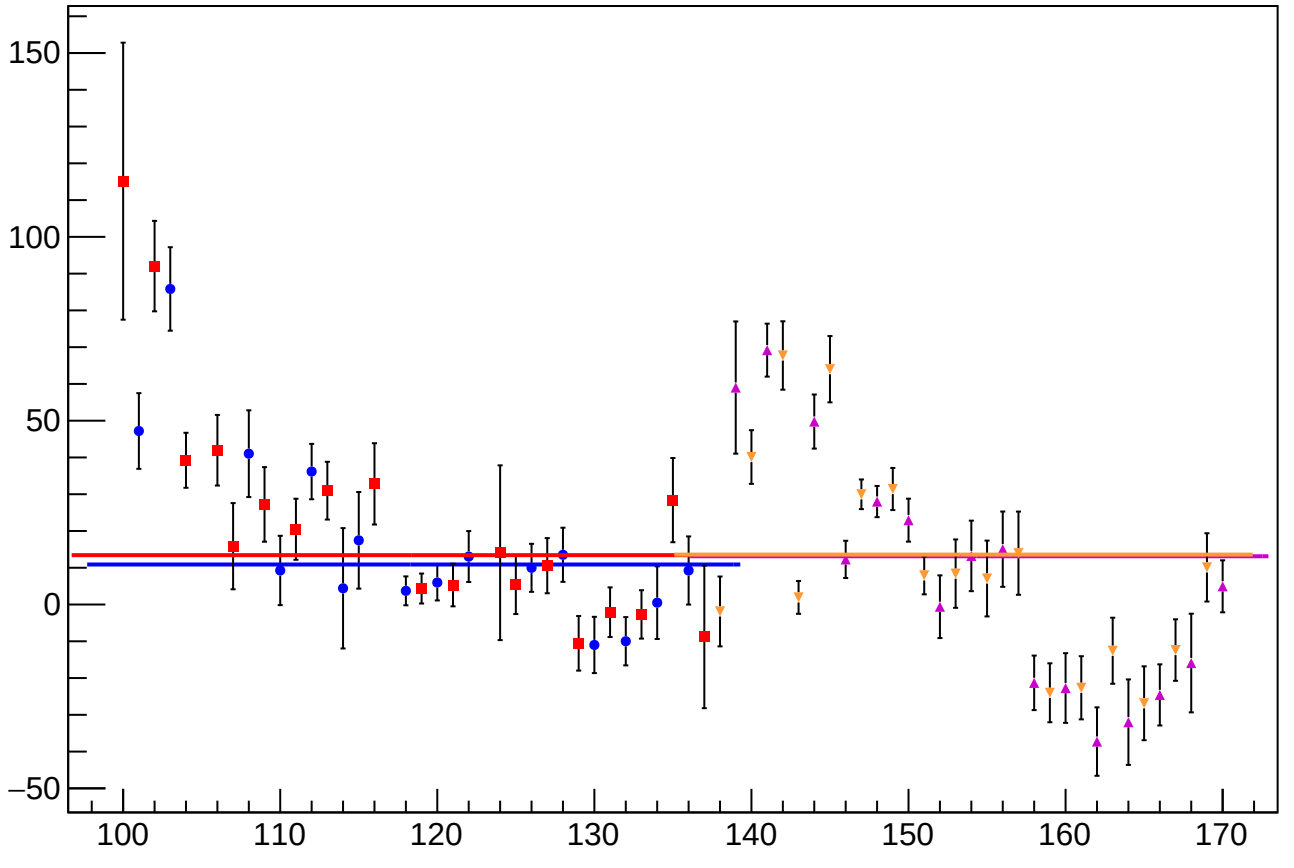
Left: -493.559+/-1.872 χ^2/NDF: 7368.7/32

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -408.032+/-1.520 χ^2/NDF:5704.2/31

Out: -375.739+/-1.449 χ^2/NDF:9861.5/35

All: -391.115+/-1.049 χ^2/NDF: 15802.1/67



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.576+/-1.716 χ^2/NDF:190.2/16

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 13.123+/-1.866 χ^2/NDF:216.5/15

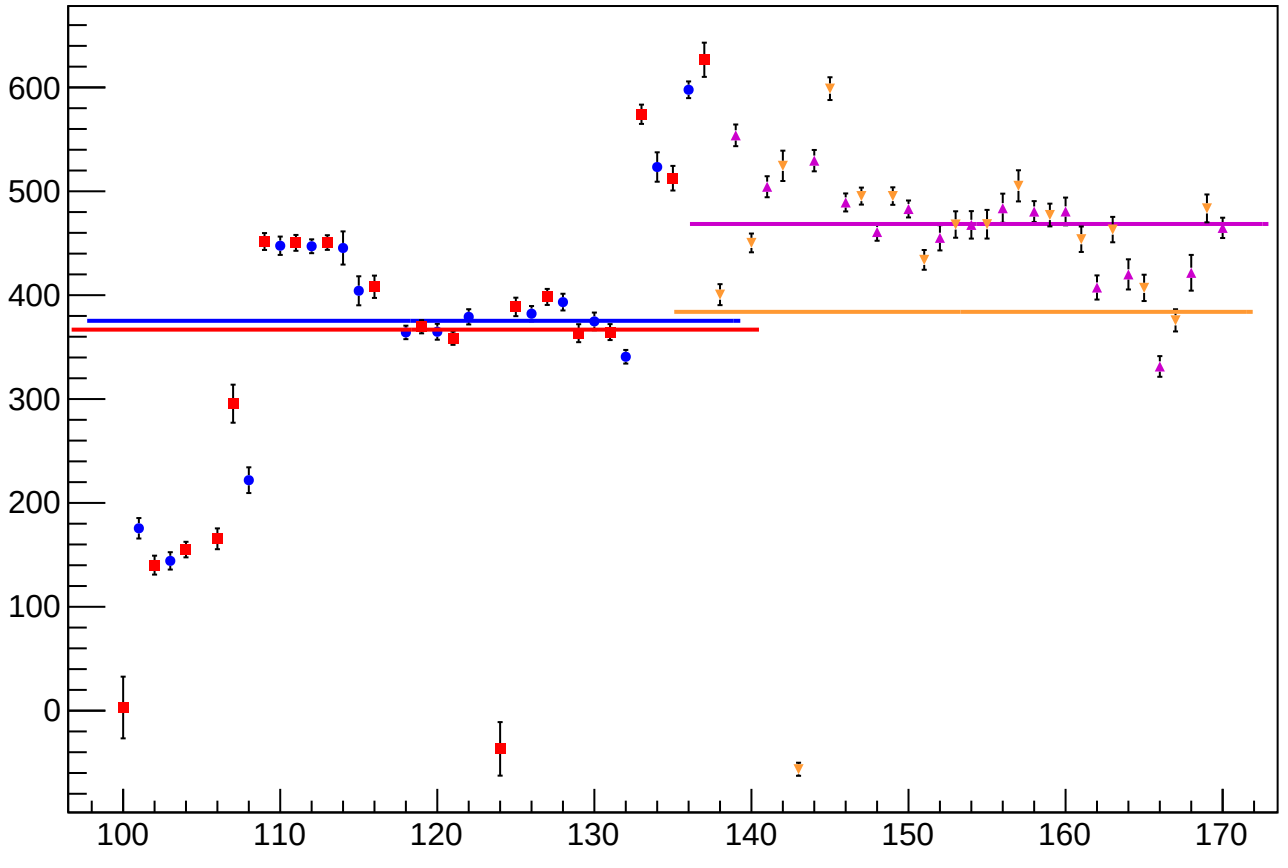
Left: 13.369+/-1.263 χ^2/NDF: 406.8/32

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 11.991+/-1.311 χ^2/NDF:315.5/31

Out: 13.507+/-1.260 χ^2/NDF:302.6/35

All: 12.780+/-0.908 χ^2/NDF: 618.8/67



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 383.948+/-2.512 χ^2/NDF:6164.8/16

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 468.540+/-2.672 χ^2/NDF:365.4/15

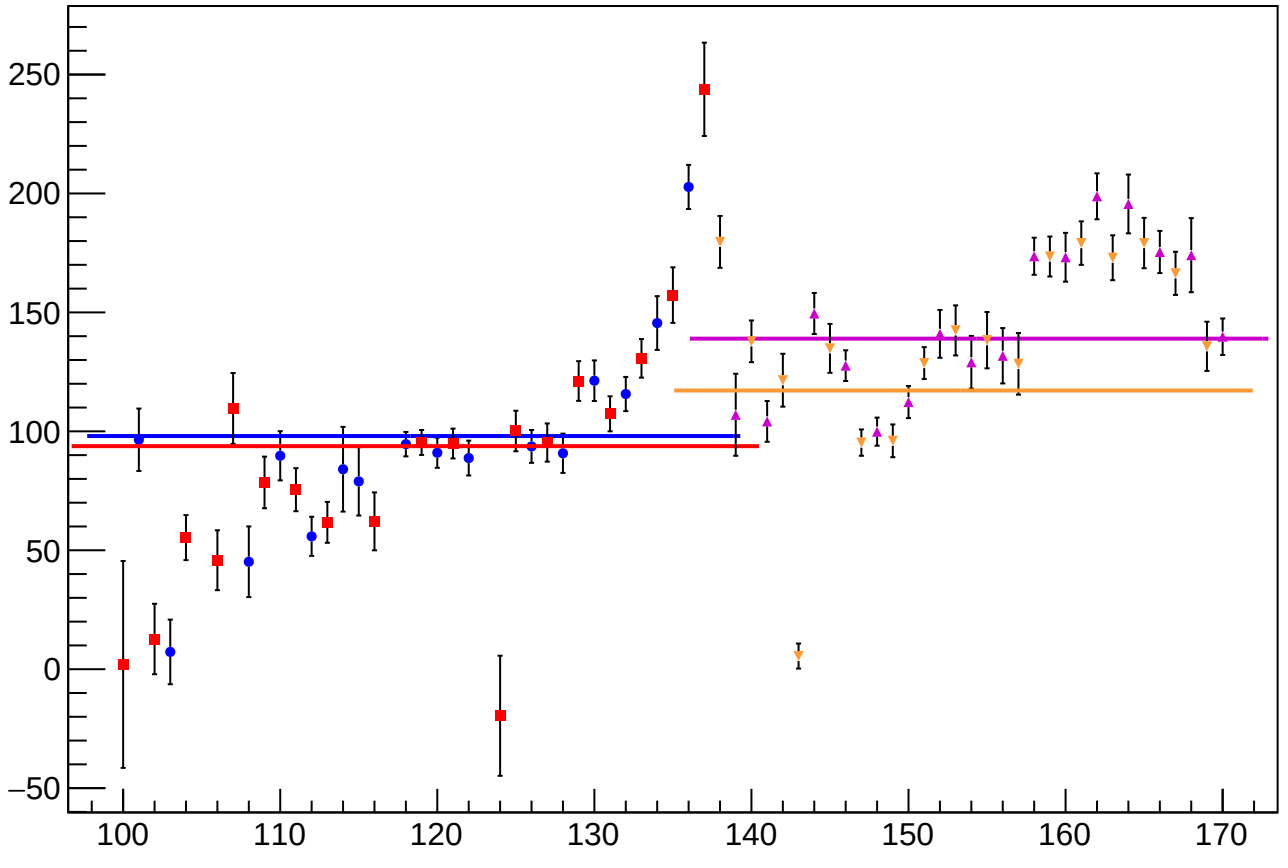
Left: 423.635+/-1.830 χ^2/NDF: 7062.1/32

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 410.966+/-1.653 χ^2/NDF:3566.4/31

Out: 373.670+/-1.588 χ^2/NDF:9733.8/35

All: 391.576+/-1.145 χ^2/NDF: 13564.9/67



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 117.169+/-2.038 χ^2/NDF:722.0/16

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 138.962+/-2.195 χ^2/NDF:197.3/15

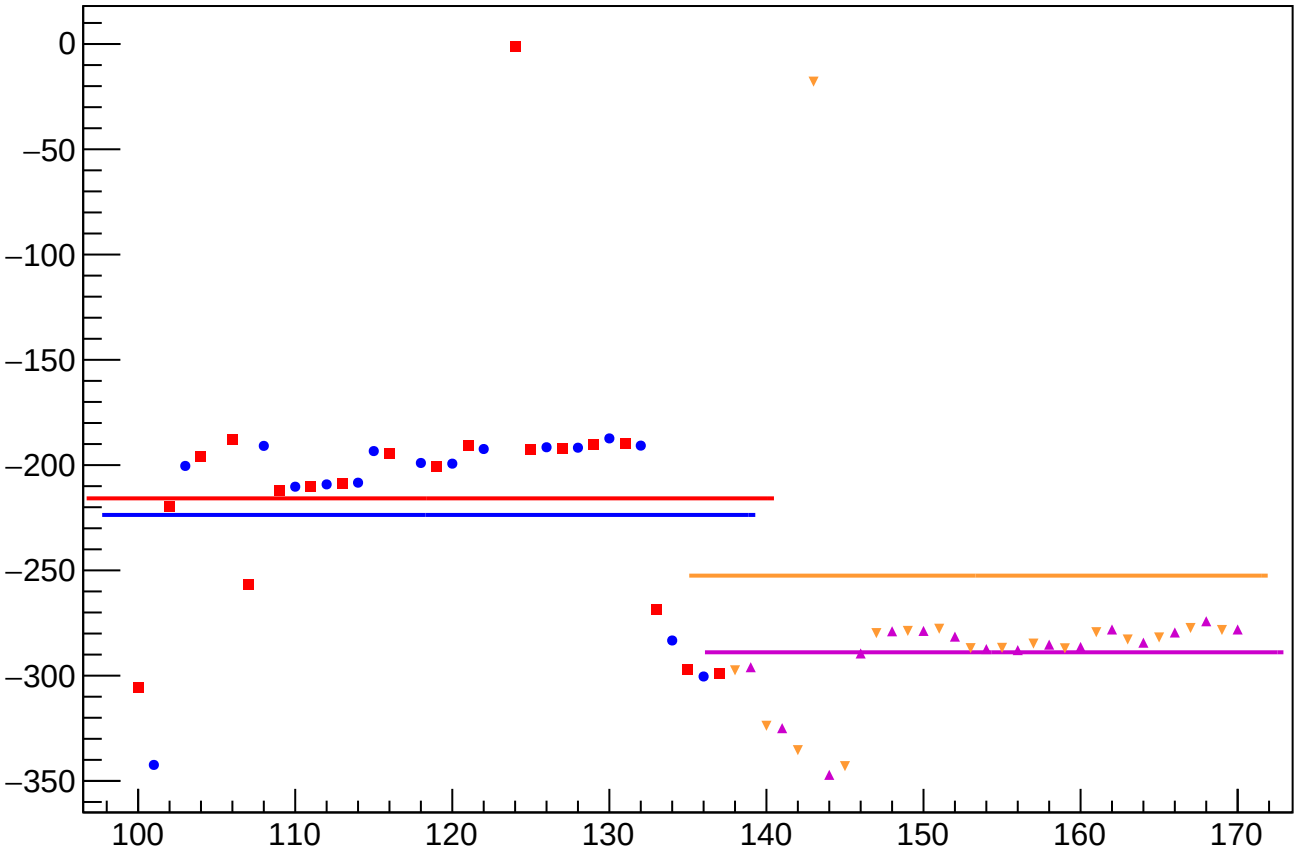
Left: 127.254+/-1.493 χ^2/NDF: 972.2/32

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 118.008+/-1.534 χ^2/NDF:624.7/31

Out: 106.035+/-1.475 χ^2/NDF:1021.9/35

All: 111.788+/-1.063 χ^2/NDF: 1678.3/67



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -252.494+/-0.098 χ^2/NDF:971388.2/16

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -288.906+/-0.102 χ^2/NDF:29017.8/15

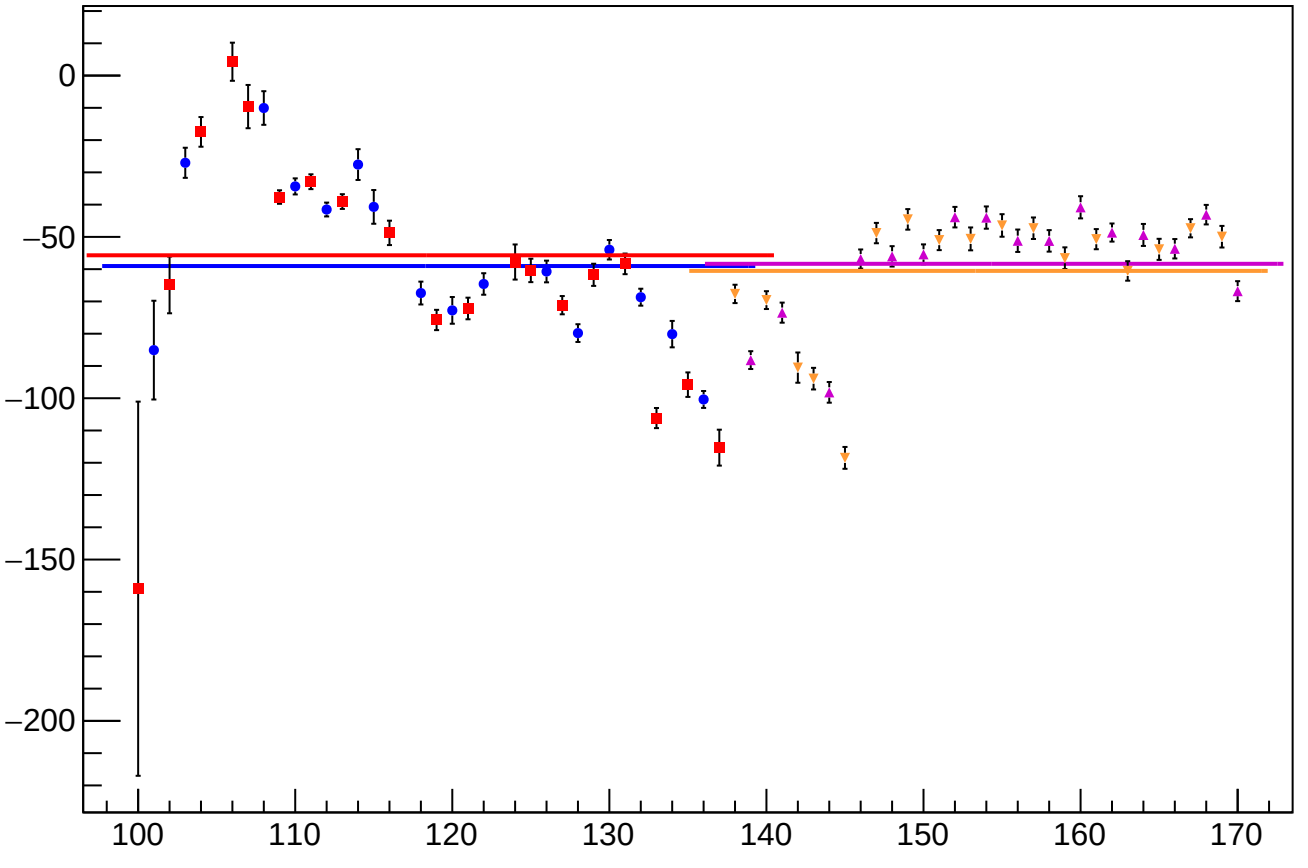
Left: -270.014+/-0.071 χ^2/NDF: 1066990.6/32

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -266.023+/-0.082 χ^2/NDF:295048.5/31

Out: -239.764+/-0.079 χ^2/NDF:1101668.9/35

All: -252.437+/-0.057 χ^2/NDF: 1449906.0/67



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -60.533+/-0.781 χ^2/NDF:585.4/16

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -58.339+/-0.784 χ^2/NDF:423.3/15

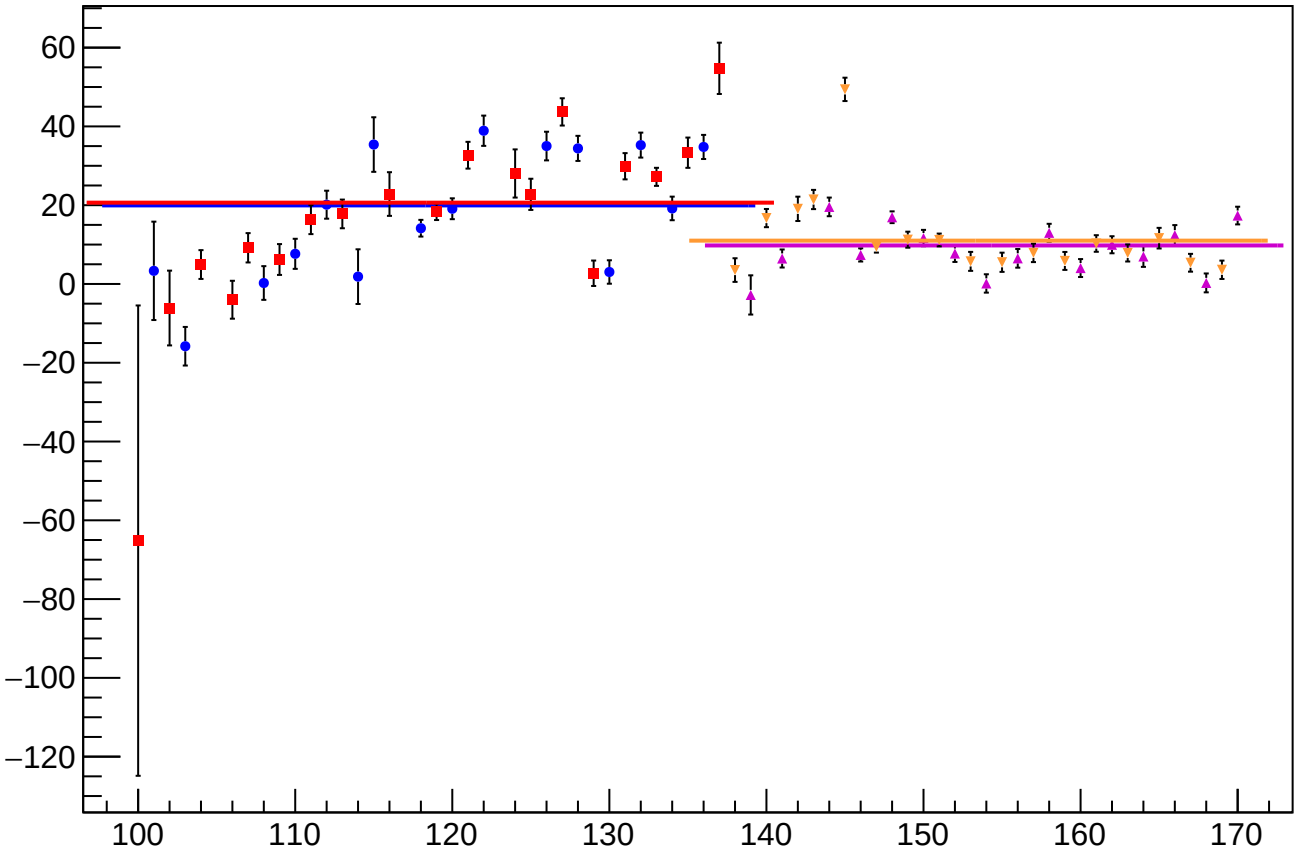
Left: -59.440+/-0.553 χ^2/NDF: 1012.7/32

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.665+/-0.570 χ^2/NDF:1151.0/31

Out: -58.145+/-0.555 χ^2/NDF:1645.5/35

All: -58.398+/-0.398 χ^2/NDF: 2796.9/67



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.999+/-0.538 χ^2/NDF:241.7/16

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.778+/-0.551 χ^2/NDF:109.0/15

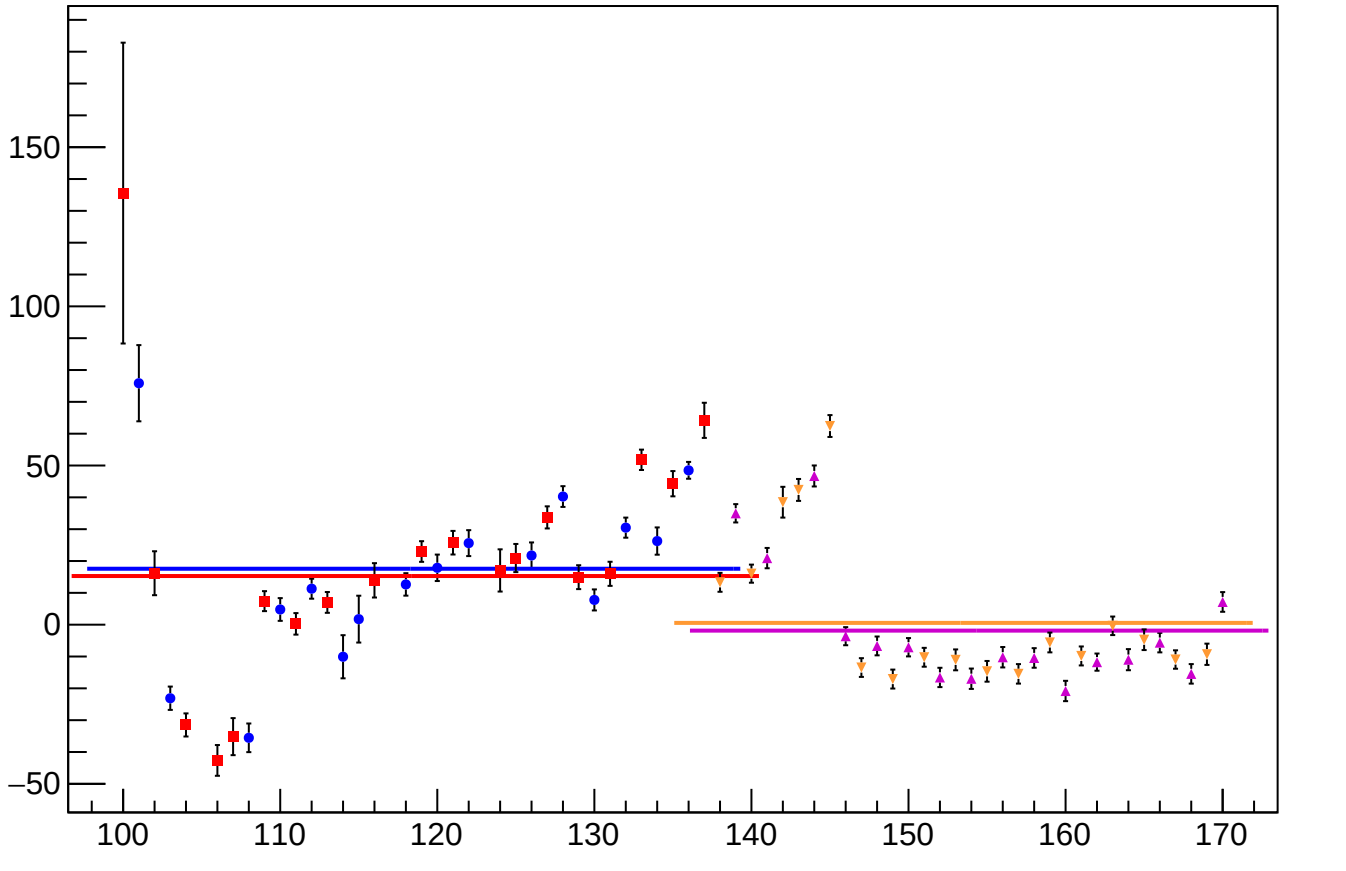
Left: 10.403+/-0.385 χ^2/NDF: 353.2/32

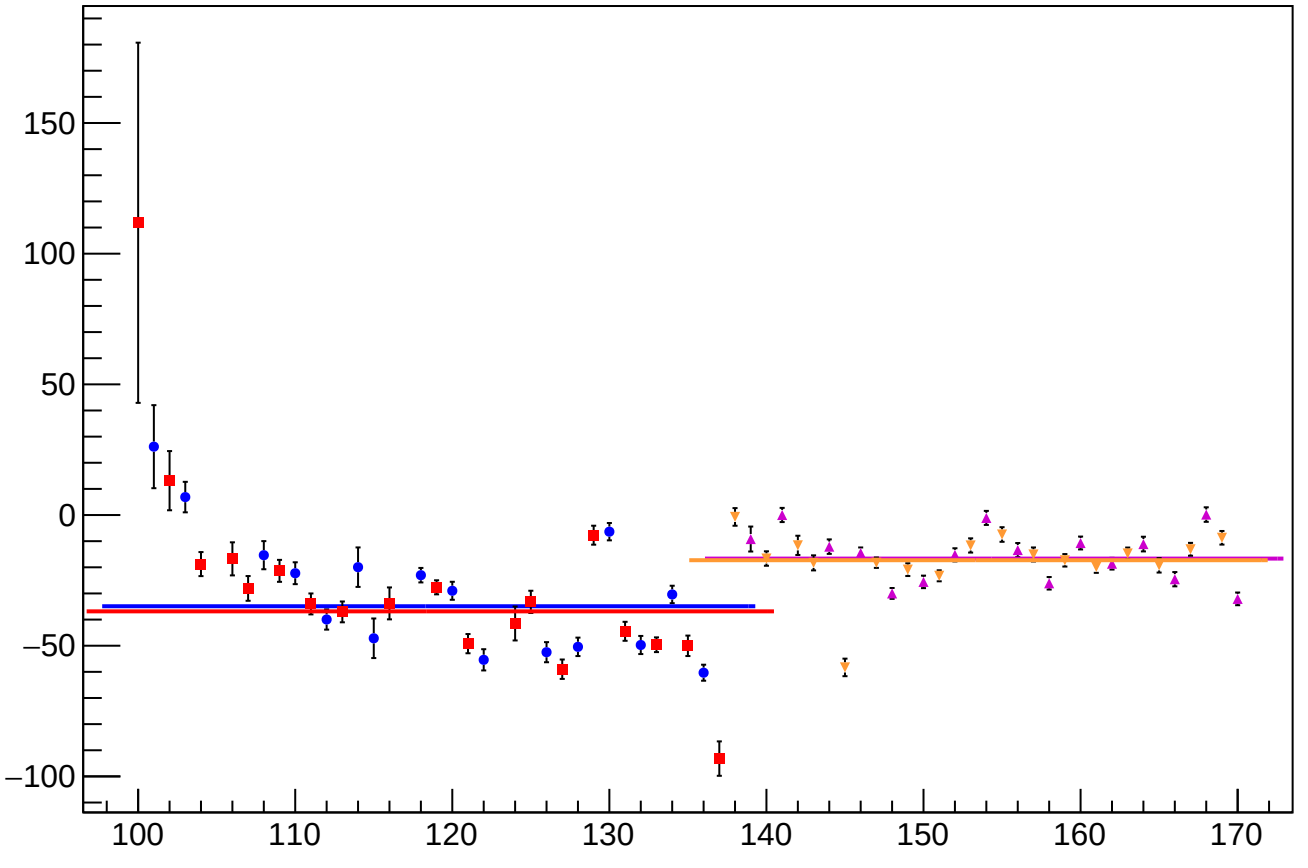
Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

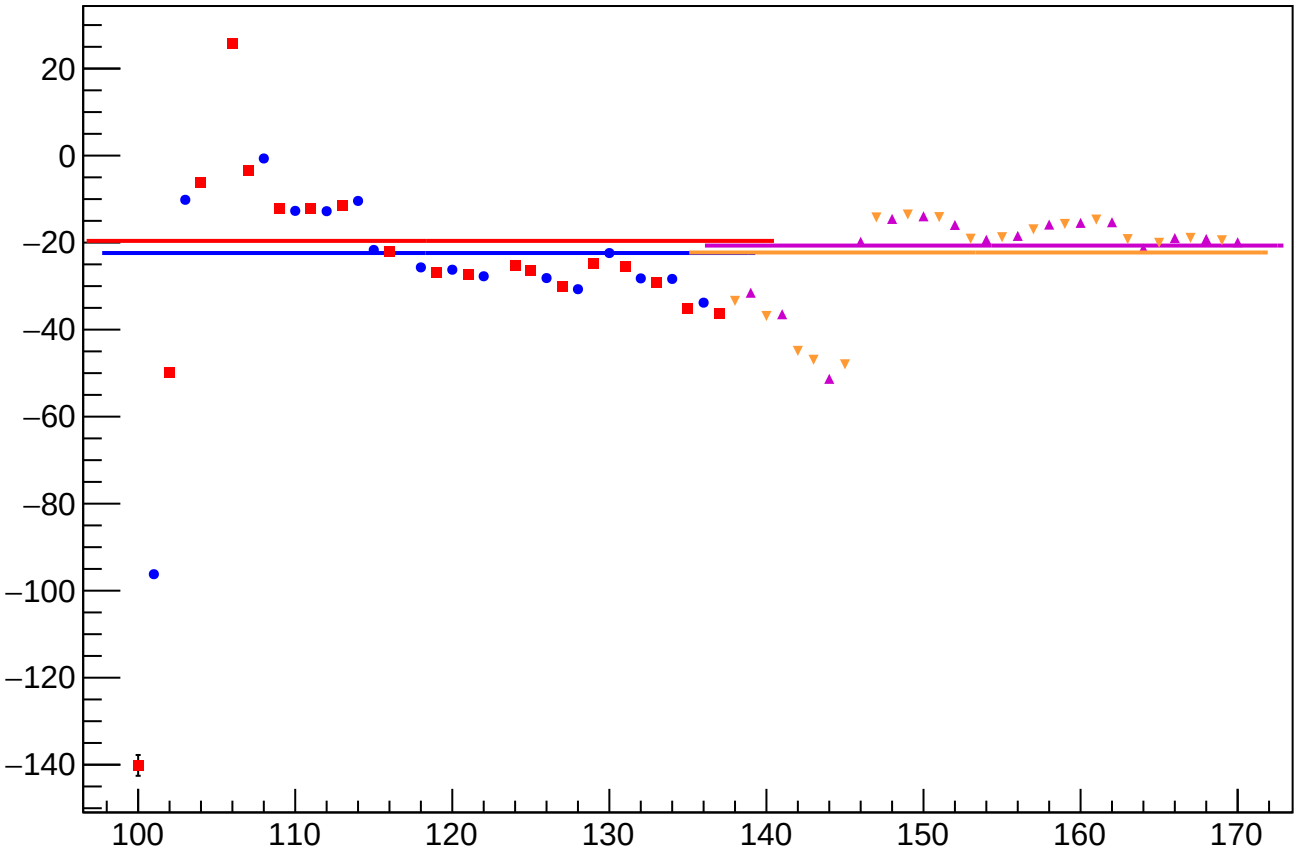
In: 12.702+/-0.465 χ^2/NDF:454.1/31

Out: 13.784+/-0.453 χ^2/NDF:559.4/35

All: 13.257+/-0.325 χ^2/NDF: 1016.2/67


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 17.574+/-0.957 χ²/NDF: 546.2/15
Left Out: 0.561+/-0.762 χ²/NDF:757.0/16
Right Out: 15.283+/-0.934 χ²/NDF: 730.0/18
Left In: -1.867+/-0.762 χ²/NDF:584.3/15
Left: -0.653+/-0.539 χ²/NDF: 1346.4/32
Right: 16.401+/-0.668 χ²/NDF: 1279.2/34
In: 5.679+/-0.596 χ²/NDF:1383.2/31
Out: 6.441+/-0.590 χ²/NDF:1636.3/35
All: 6.063+/-0.419 χ²/NDF: 3020.3/67


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -17.284+/-0.625 χ²/NDF:220.8/16
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -16.665+/-0.637 χ²/NDF:245.8/15
Left: -16.980+/-0.446 χ²/NDF: 467.1/32
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -21.998+/-0.536 χ²/NDF:832.3/31
Out: -23.029+/-0.525 χ²/NDF:810.1/35
All: -22.524+/-0.375 χ²/NDF: 1644.2/67



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.271+/-0.029 χ^2/NDF:131405.8/16

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.680+/-0.028 χ^2/NDF:84928.8/15

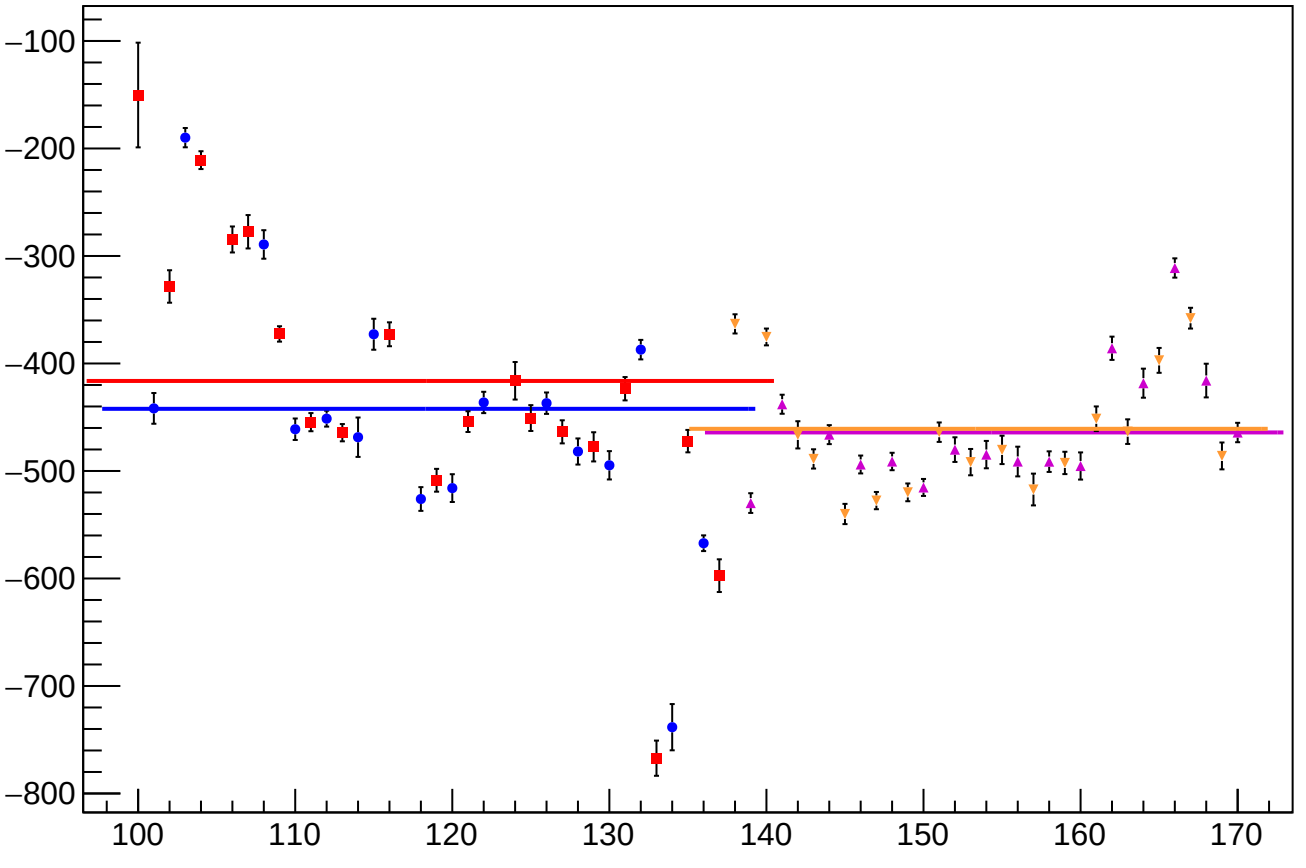
Left: -21.468+/-0.020 χ^2/NDF: 217900.5/32

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.007+/-0.025 χ^2/NDF:132148.1/31

Out: -21.771+/-0.026 χ^2/NDF:216905.2/35

All: -21.385+/-0.018 χ^2/NDF: 349498.7/67



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -460.777+/-2.445 χ^2/NDF:621.1/16

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -464.159+/-2.484 χ^2/NDF:512.3/15

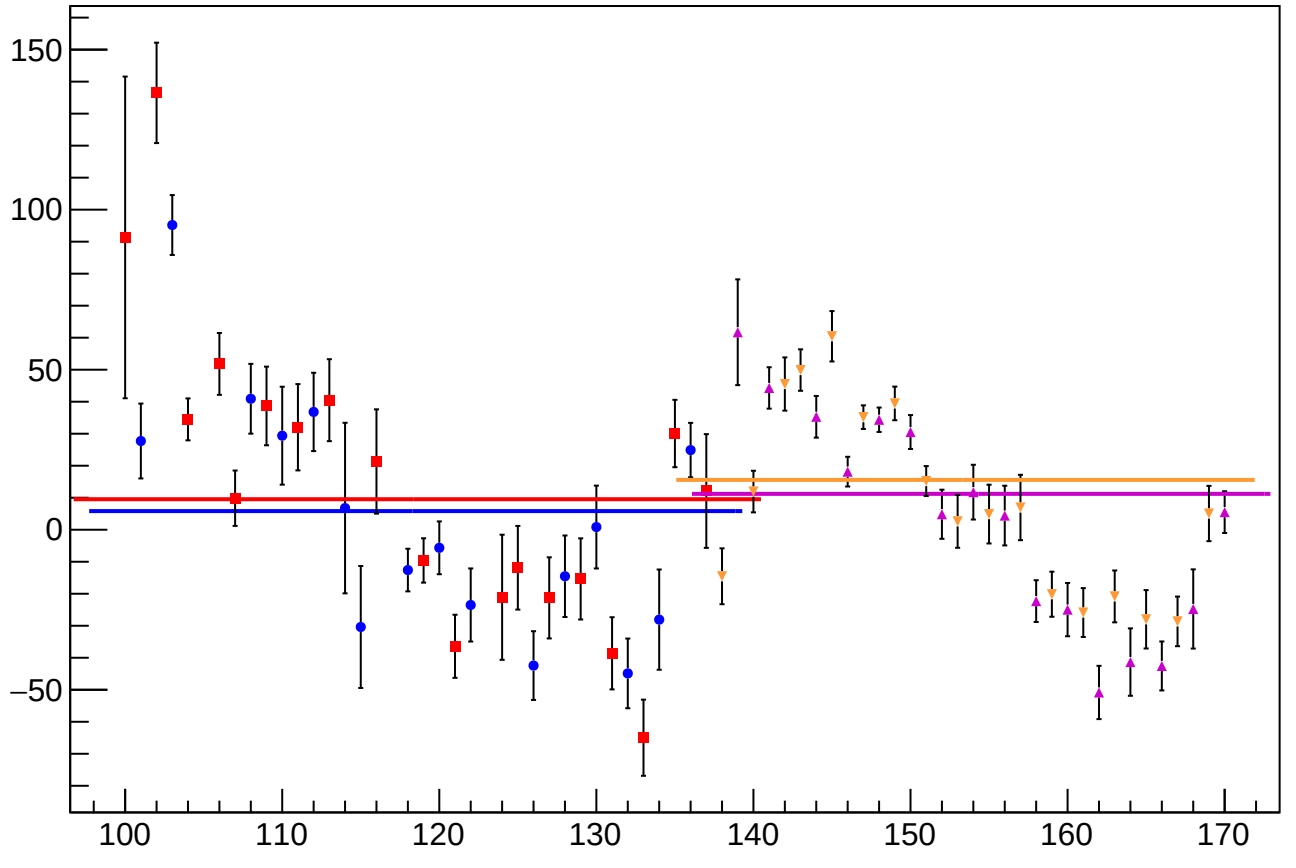
Left: -462.441+/-1.742 χ^2/NDF: 1134.4/32

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.012+/-1.822 χ^2/NDF:2137.6/31

Out: -439.215+/-1.756 χ^2/NDF:2535.6/35

All: -446.338+/-1.264 χ^2/NDF: 4707.3/67



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 15.570+/-1.628 χ^2/NDF:271.5/16

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 11.207+/-1.684 χ^2/NDF:287.2/15

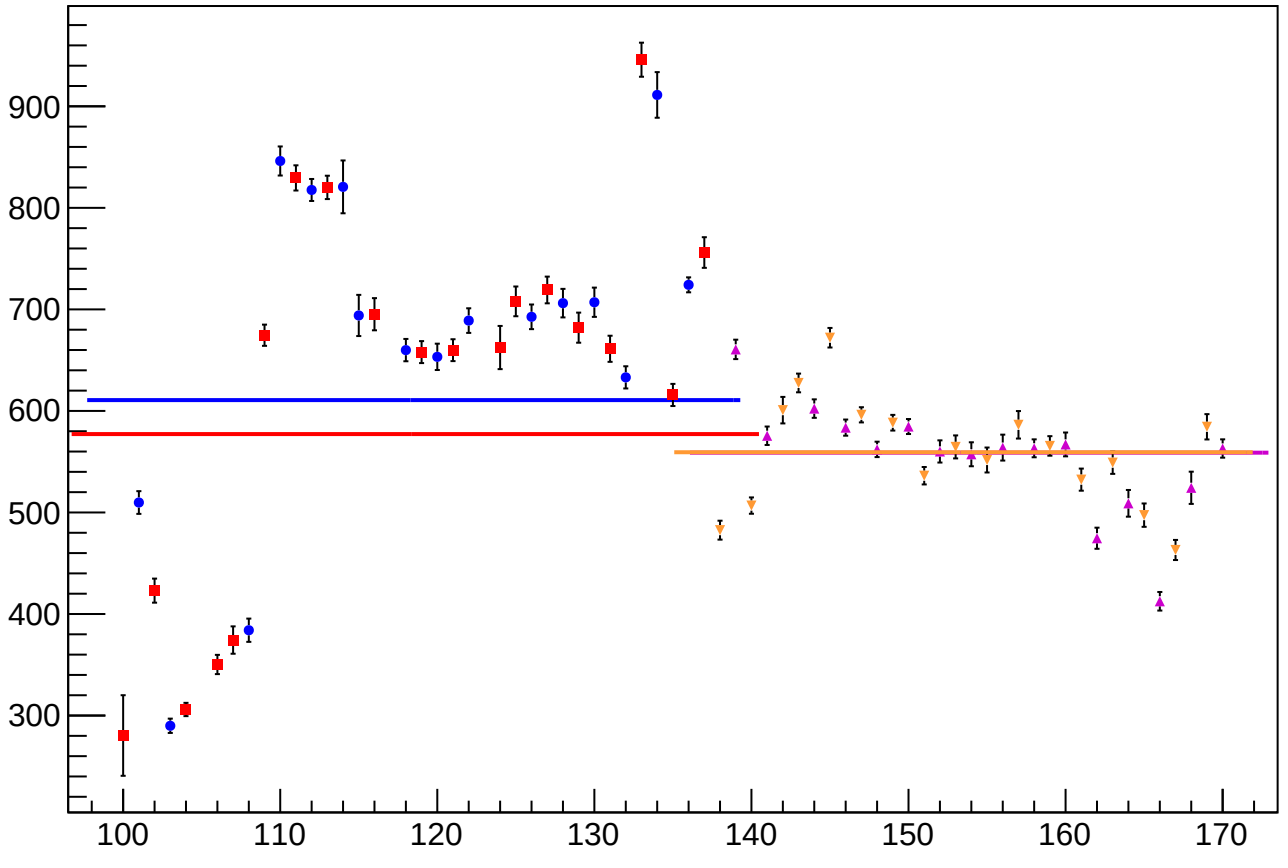
Left: 13.463+/-1.170 χ^2/NDF: 562.1/32

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 9.722+/-1.433 χ^2/NDF:478.1/31

Out: 13.830+/-1.373 χ^2/NDF:497.6/35

All: 11.864+/-0.991 χ^2/NDF: 980.0/67



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 559.316+/-2.390 χ^2/NDF:497.6/16

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 558.891+/-2.414 χ^2/NDF:502.8/15

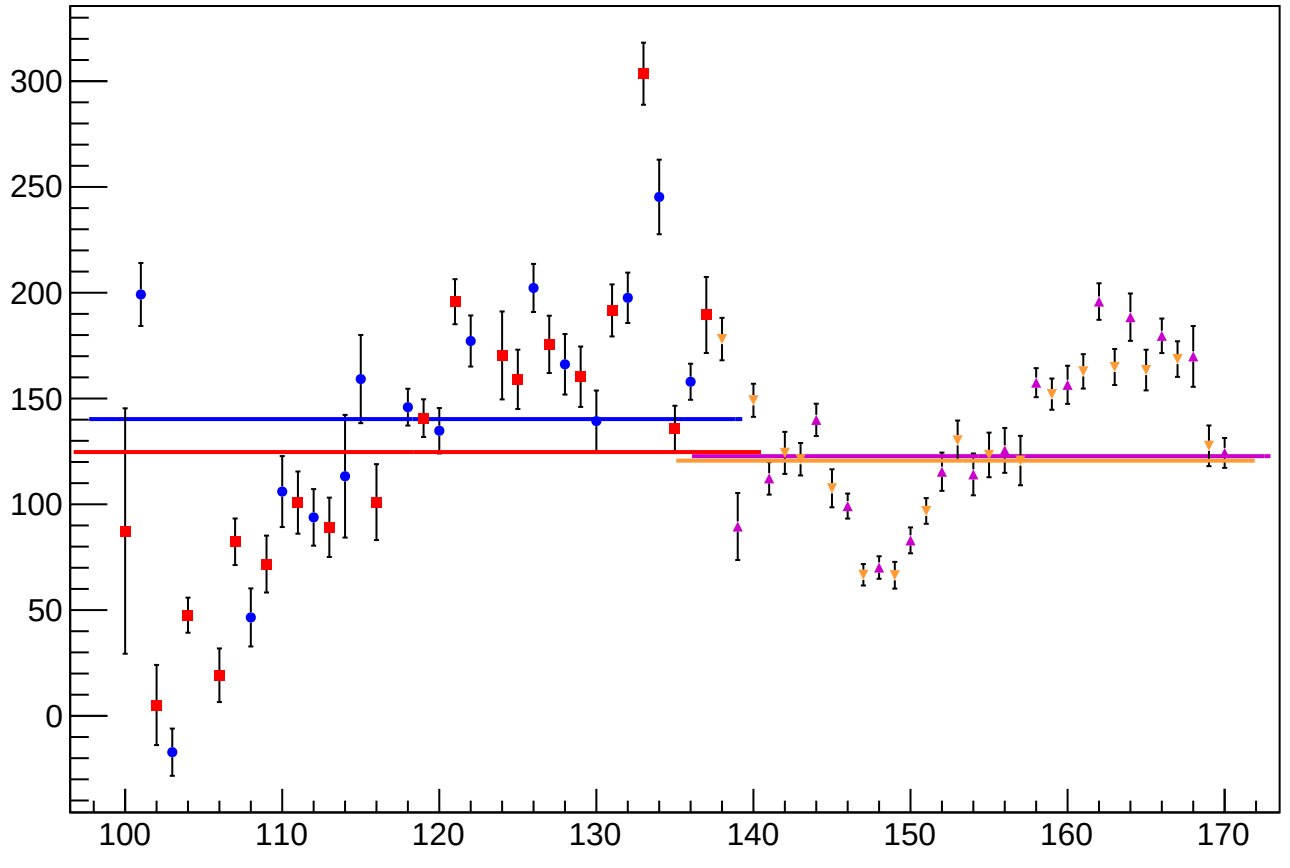
Left: 559.106+/-1.698 χ^2/NDF: 1000.4/32

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 580.145+/-1.853 χ^2/NDF:4584.3/31

Out: 566.997+/-1.805 χ^2/NDF:5321.9/35

All: 573.400+/-1.293 χ^2/NDF: 9932.1/67



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 120.626+/-1.932 χ^2/NDF:377.1/16

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 122.755+/-1.981 χ^2/NDF:374.2/15

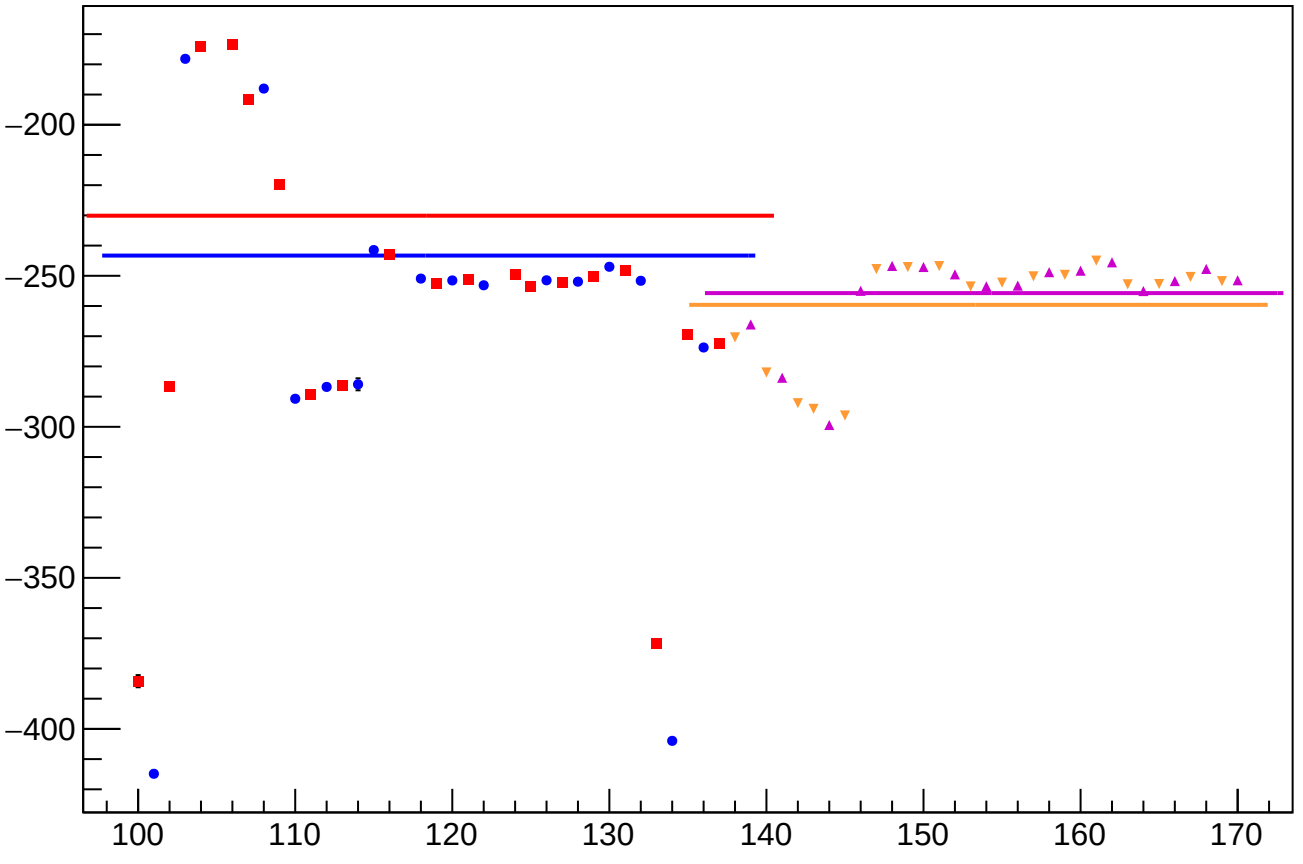
Left: 121.664+/-1.383 χ^2/NDF: 751.9/32

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.717+/-1.677 χ^2/NDF:781.8/31

Out: 121.832+/-1.621 χ^2/NDF:886.9/35

All: 124.675+/-1.165 χ^2/NDF: 1675.1/67



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -259.613+/-0.092 χ^2/NDF:34665.4/16

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -255.729+/-0.092 χ^2/NDF:22150.8/15

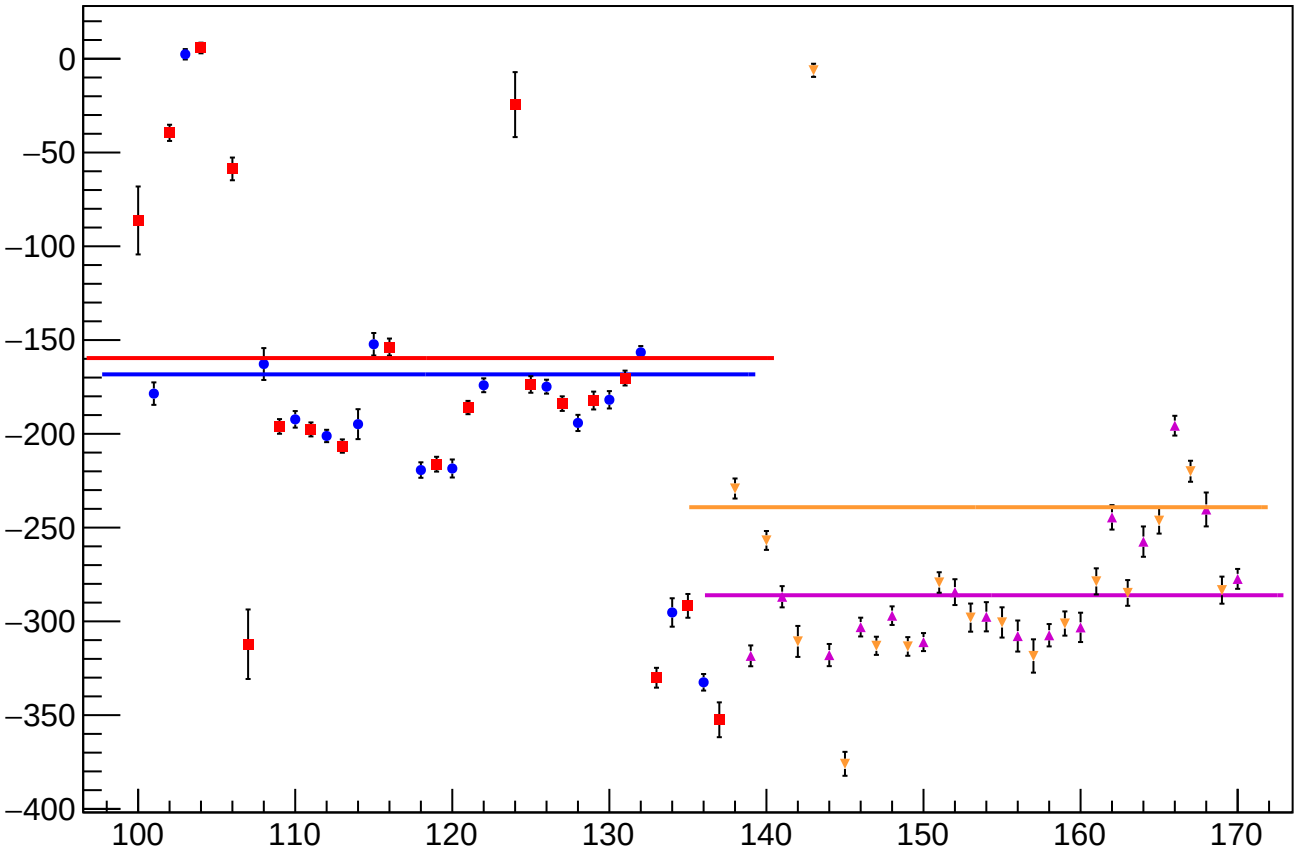
Left: -257.656+/-0.065 χ^2/NDF: 57704.2/32

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.725+/-0.080 χ^2/NDF:200067.6/31

Out: -252.037+/-0.080 χ^2/NDF:163241.1/35

All: -252.380+/-0.056 χ^2/NDF: 363345.8/67



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -239.122+/-1.421 χ^2/NDF:5884.9/16

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -286.070+/-1.516 χ^2/NDF:508.1/15

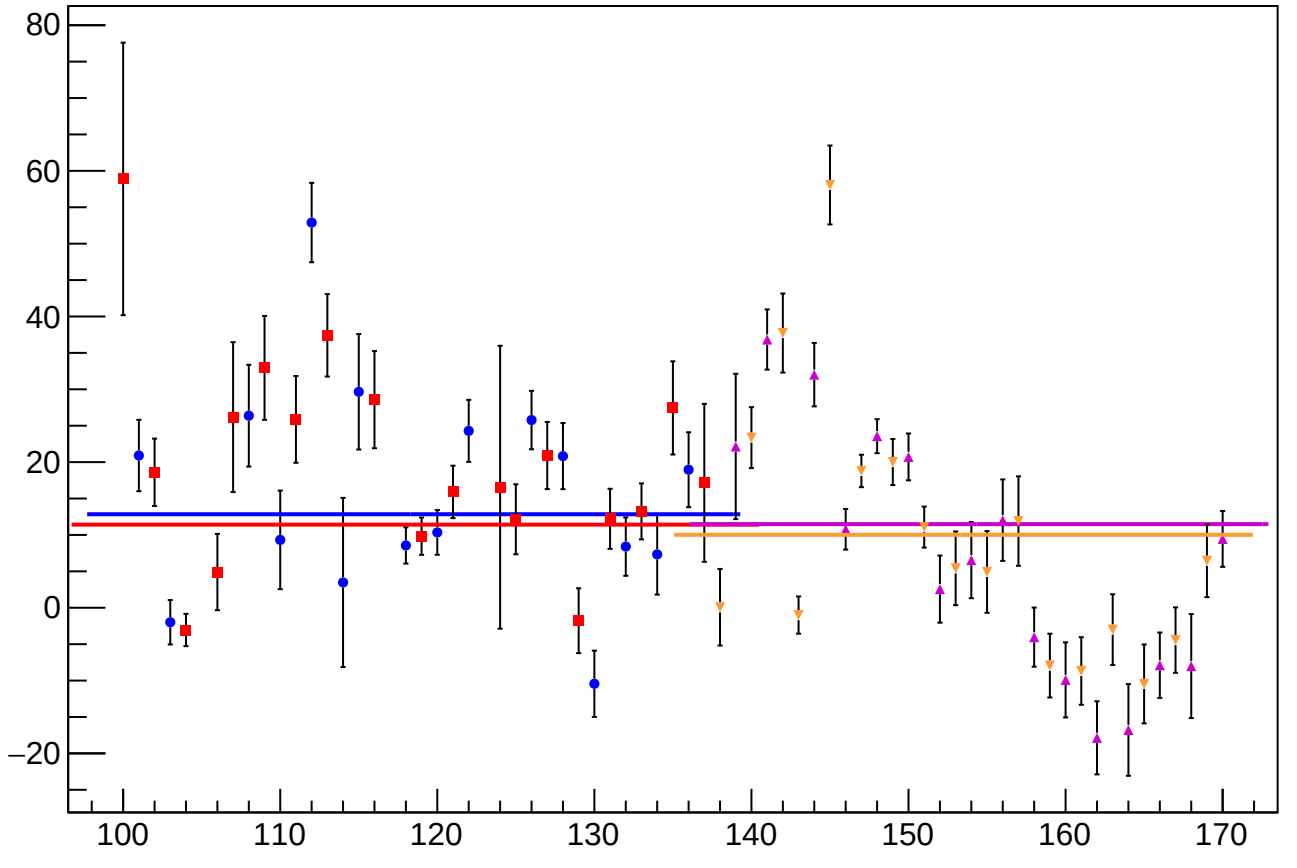
Left: -261.079+/-1.037 χ^2/NDF: 6903.5/32

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -207.733+/-0.877 χ^2/NDF:10429.9/31

Out: -187.418+/-0.840 χ^2/NDF:15118.7/35

All: -197.140+/-0.607 χ^2/NDF: 25828.2/67



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.016+/-0.952 χ^2/NDF:229.8/16

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 11.484+/-1.028 χ^2/NDF:213.1/15

Left: 10.693+/-0.699 χ^2/NDF: 444.0/32

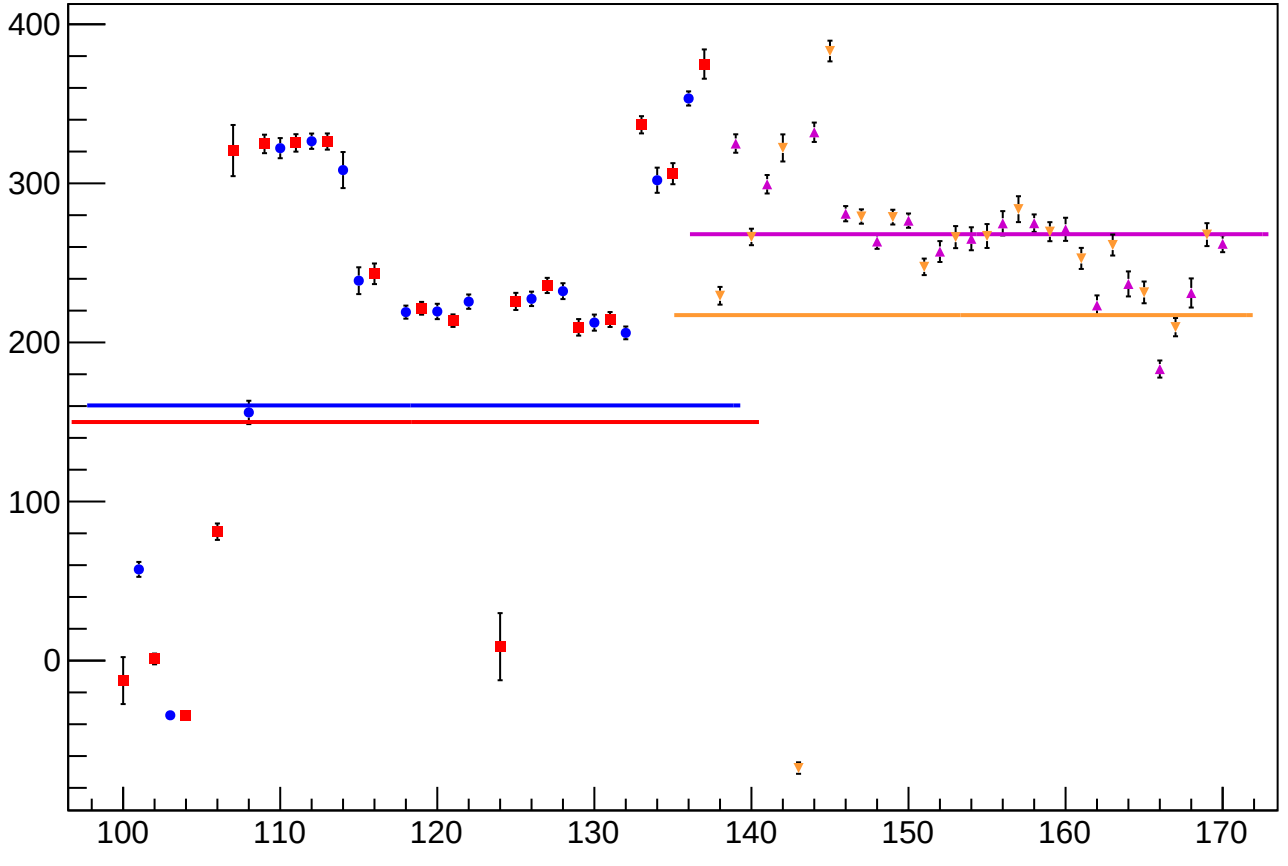
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.132+/-0.744 χ^2/NDF:357.6/31

Out: 10.656+/-0.701 χ^2/NDF:350.3/35

All: 11.350+/-0.510 χ^2/NDF: 710.1/67

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 217.180+/-1.394 χ^2/NDF:7883.2/16

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 268.041+/-1.473 χ^2/NDF:586.7/15

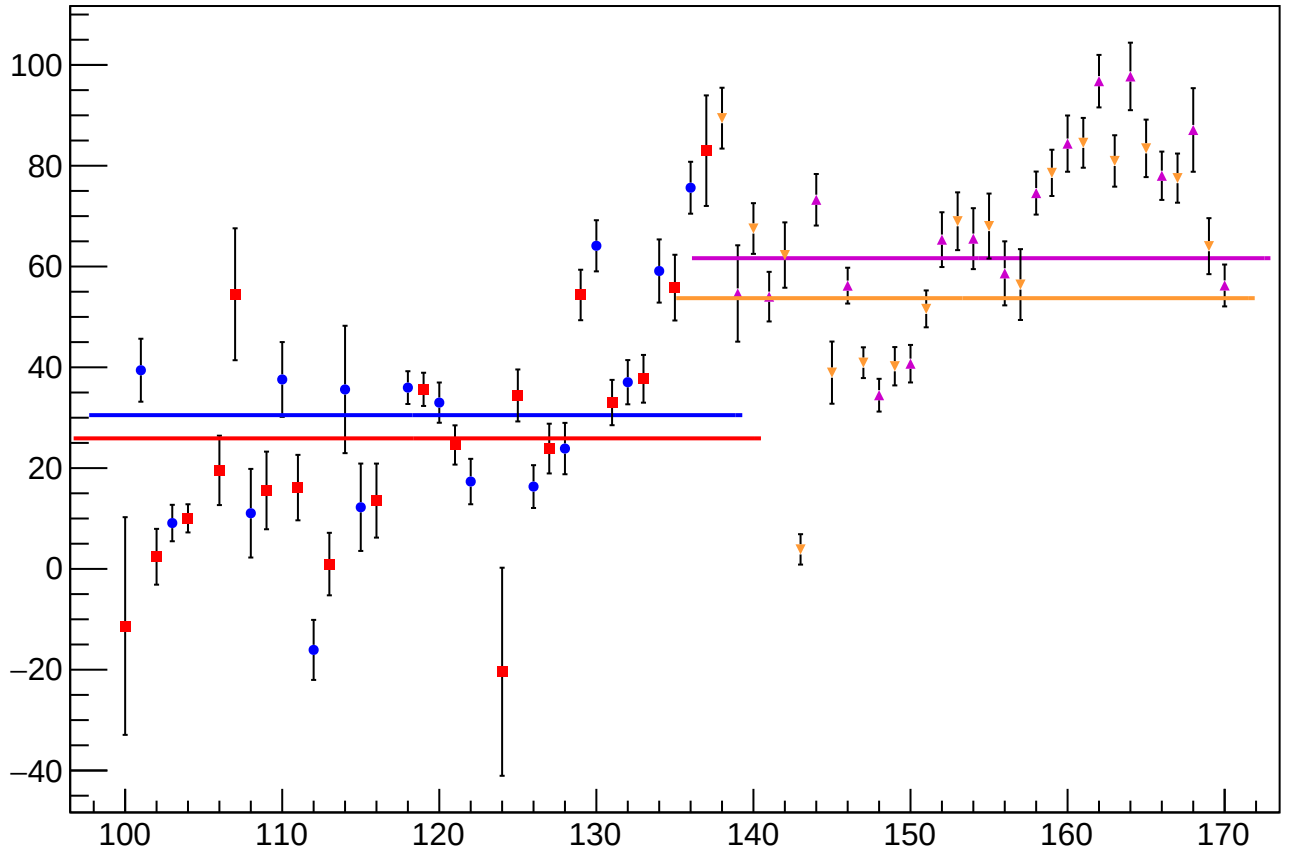
Left: 241.224+/-1.013 χ^2/NDF: 9098.8/32

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 200.693+/-0.901 χ^2/NDF:17878.9/31

Out: 175.948+/-0.867 χ^2/NDF:25573.4/35

All: 187.844+/-0.625 χ^2/NDF: 43844.0/67



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.721+/-1.129 χ^2/NDF:516.9/16

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 61.653+/-1.209 χ^2/NDF:236.0/15

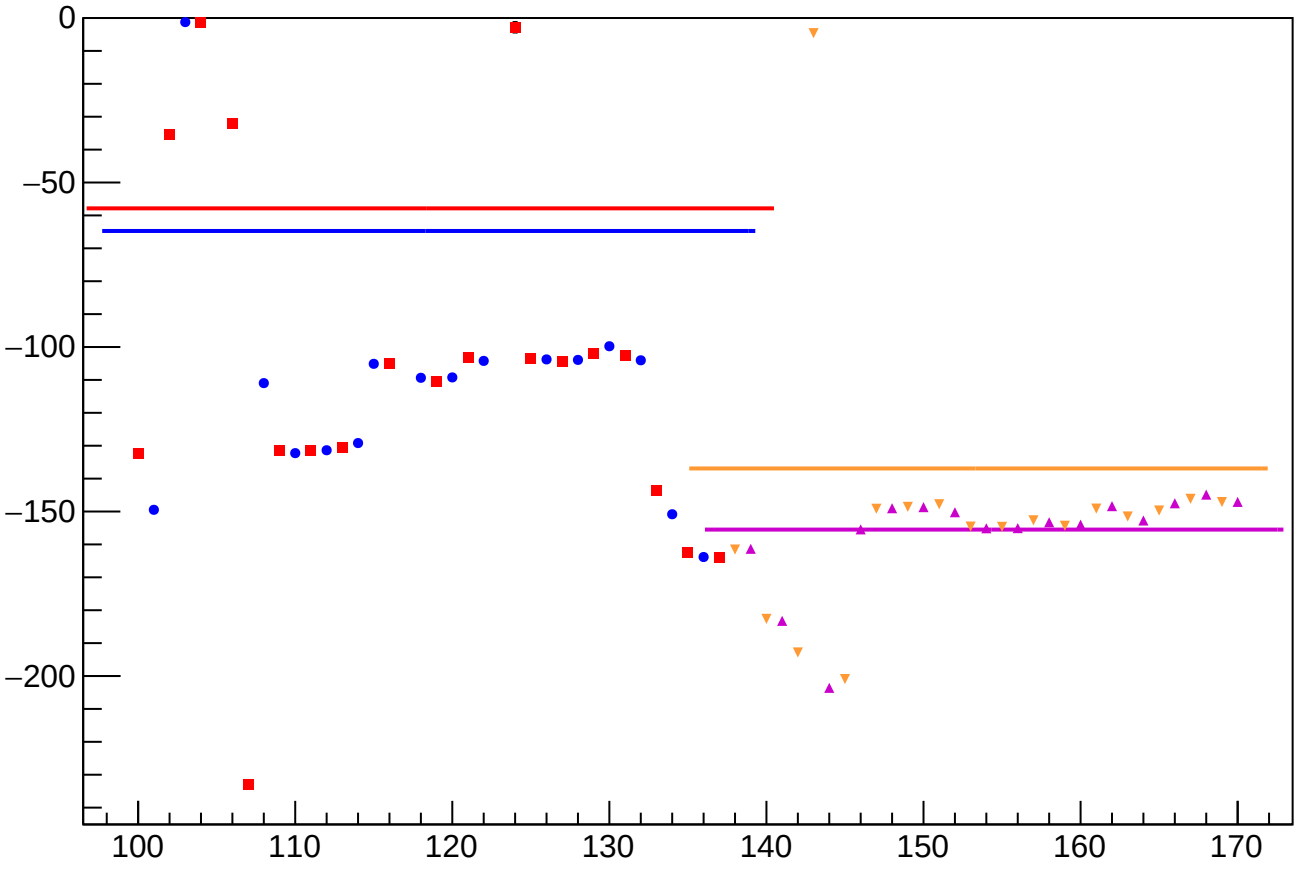
Left: 57.416+/-0.825 χ^2/NDF: 775.9/32

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 46.659+/-0.870 χ^2/NDF:832.6/31

Out: 40.811+/-0.826 χ^2/NDF:986.5/35

All: 43.583+/-0.599 χ^2/NDF: 1842.8/67



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.911+/-0.054 χ^2/NDF:961965.4/16

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -155.491+/-0.056 χ^2/NDF:54258.7/15

Left: -145.911+/-0.039 χ^2/NDF: 1073258.6/32

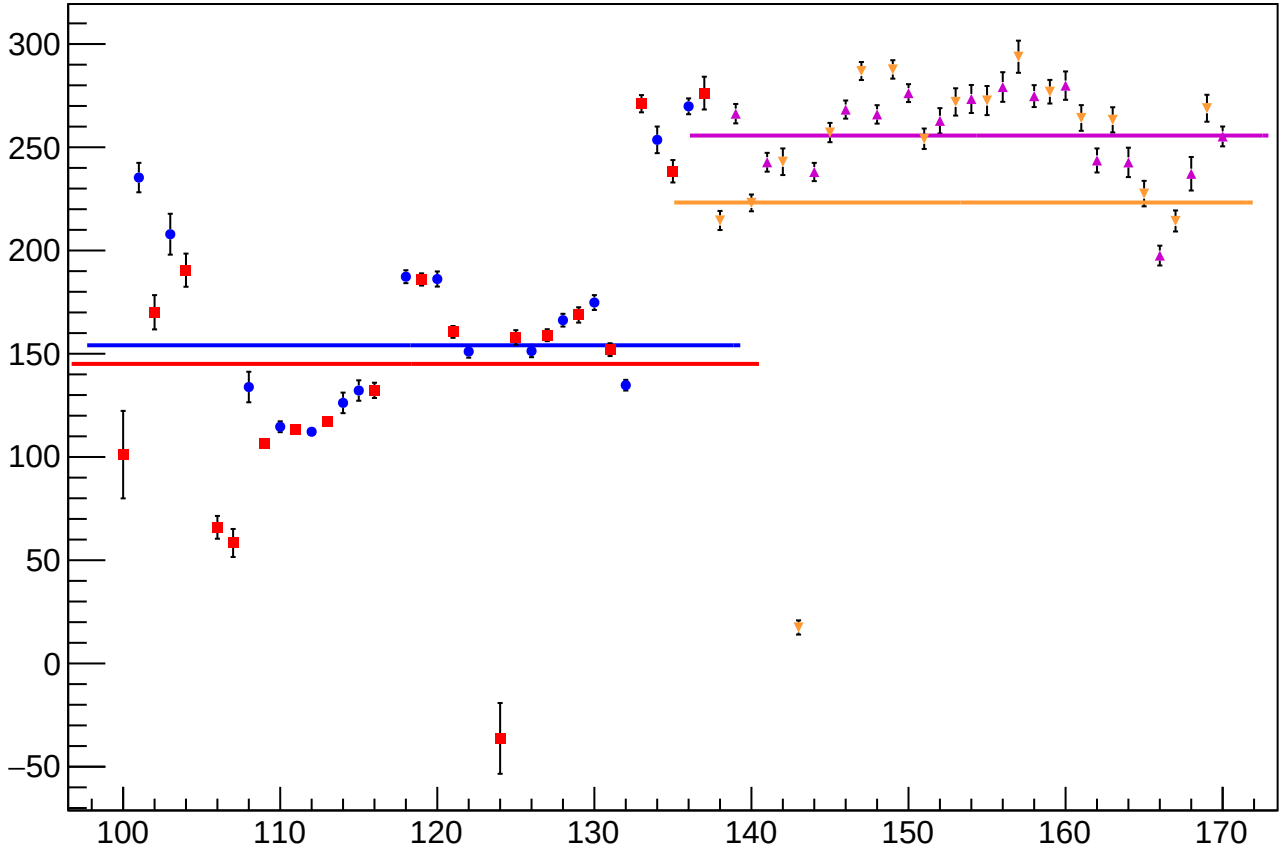
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.094+/-0.042 χ^2/NDF:2244425.7/31

Out: -102.798+/-0.041 χ^2/NDF:2757626.4/35

All: -109.253+/-0.029 χ^2/NDF: 5053549.5/67

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 223.244+/-1.254 χ^2/NDF:4507.9/16

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 255.674+/-1.318 χ^2/NDF:268.8/15

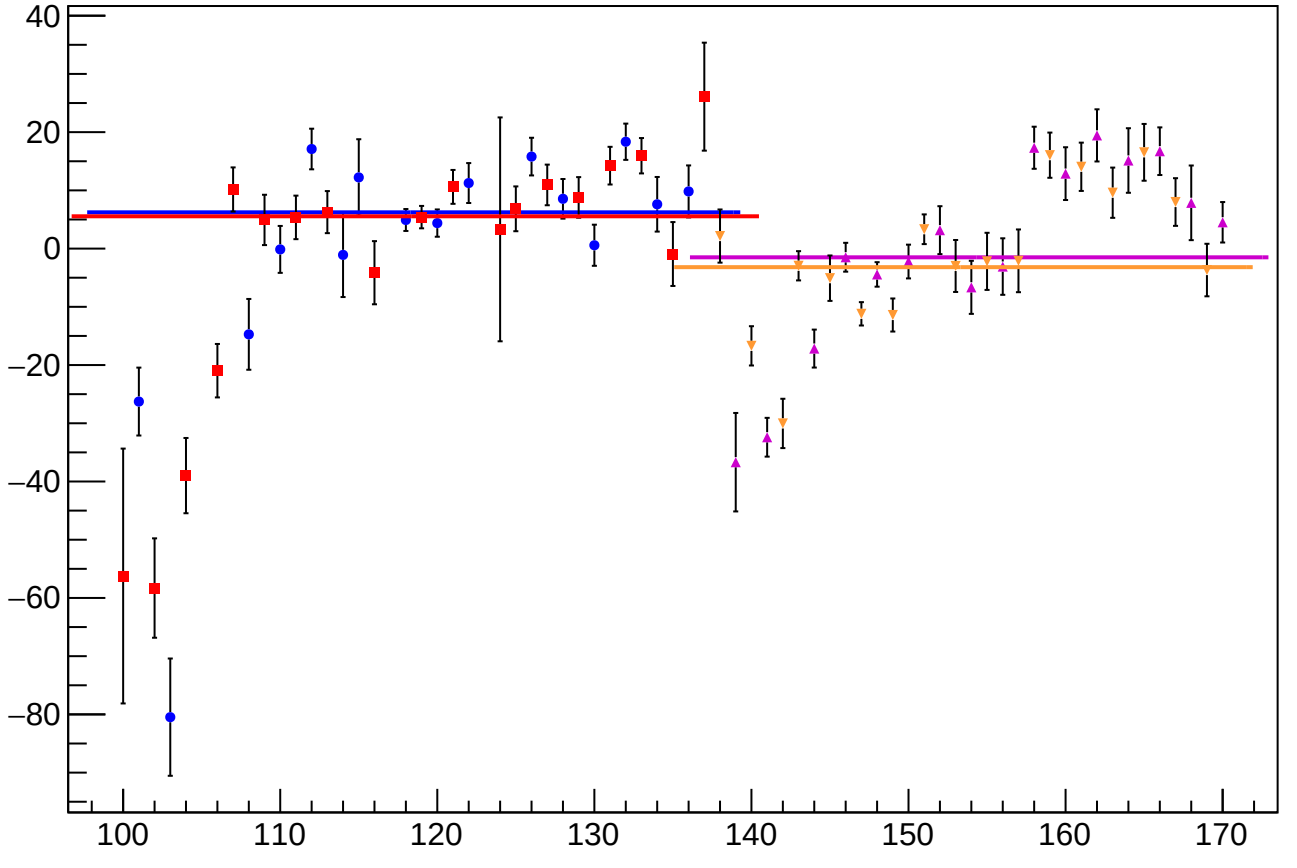
Left: 238.647+/-0.908 χ^2/NDF: 5094.5/32

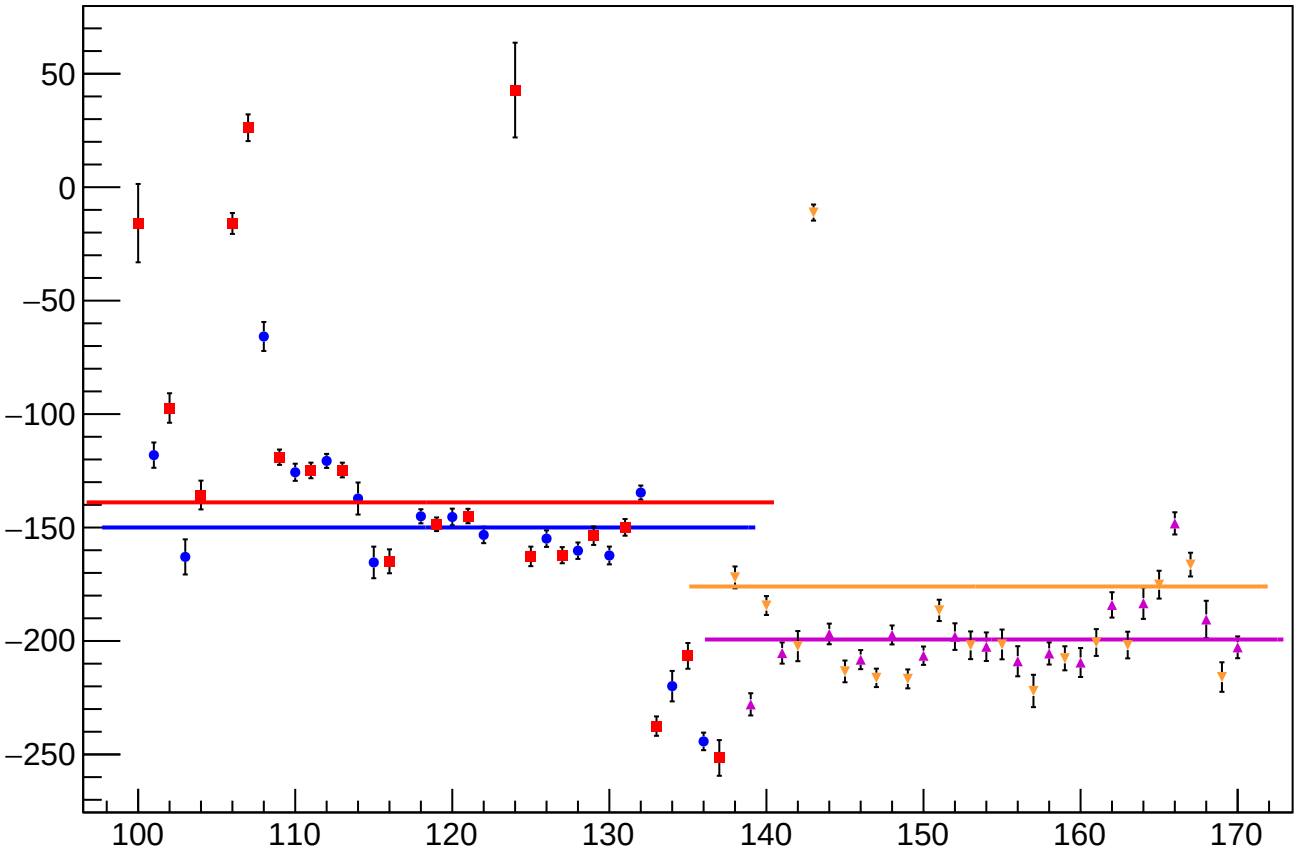
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 184.874+/-0.726 χ^2/NDF:6688.8/31

Out: 168.741+/-0.690 χ^2/NDF:10176.4/35

All: 176.400+/-0.500 χ^2/NDF: 17124.9/67


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -3.189+/-0.846 χ²/NDF:163.2/16
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -1.498+/-0.902 χ²/NDF:224.2/15
Left: -2.397+/-0.617 χ²/NDF: 389.3/32
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.415+/-0.633 χ²/NDF:423.5/31
Out: 0.961+/-0.613 χ²/NDF:395.0/35
All: 1.664+/-0.440 χ²/NDF: 821.2/67



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -175.983+/-1.232 χ^2/NDF:2630.9/16

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -199.344+/-1.284 χ^2/NDF:174.0/15

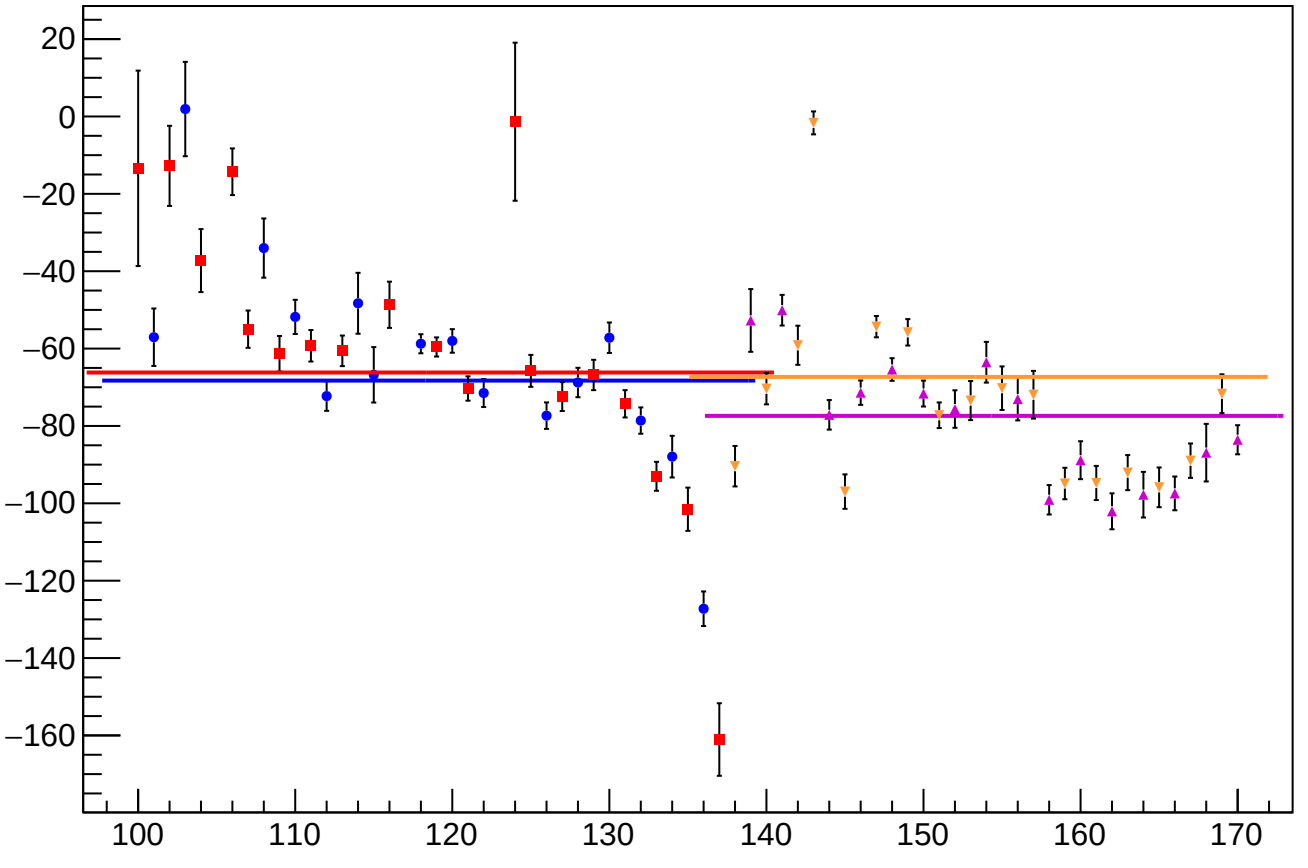
Left: -187.183+/-0.889 χ^2/NDF: 2977.3/32

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.208+/-0.801 χ^2/NDF:2176.4/31

Out: -153.521+/-0.773 χ^2/NDF:5930.5/35

All: -161.086+/-0.556 χ^2/NDF: 8305.4/67



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.324+/-1.002 χ^2/NDF:773.2/16

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -77.394+/-1.059 χ^2/NDF:191.4/15

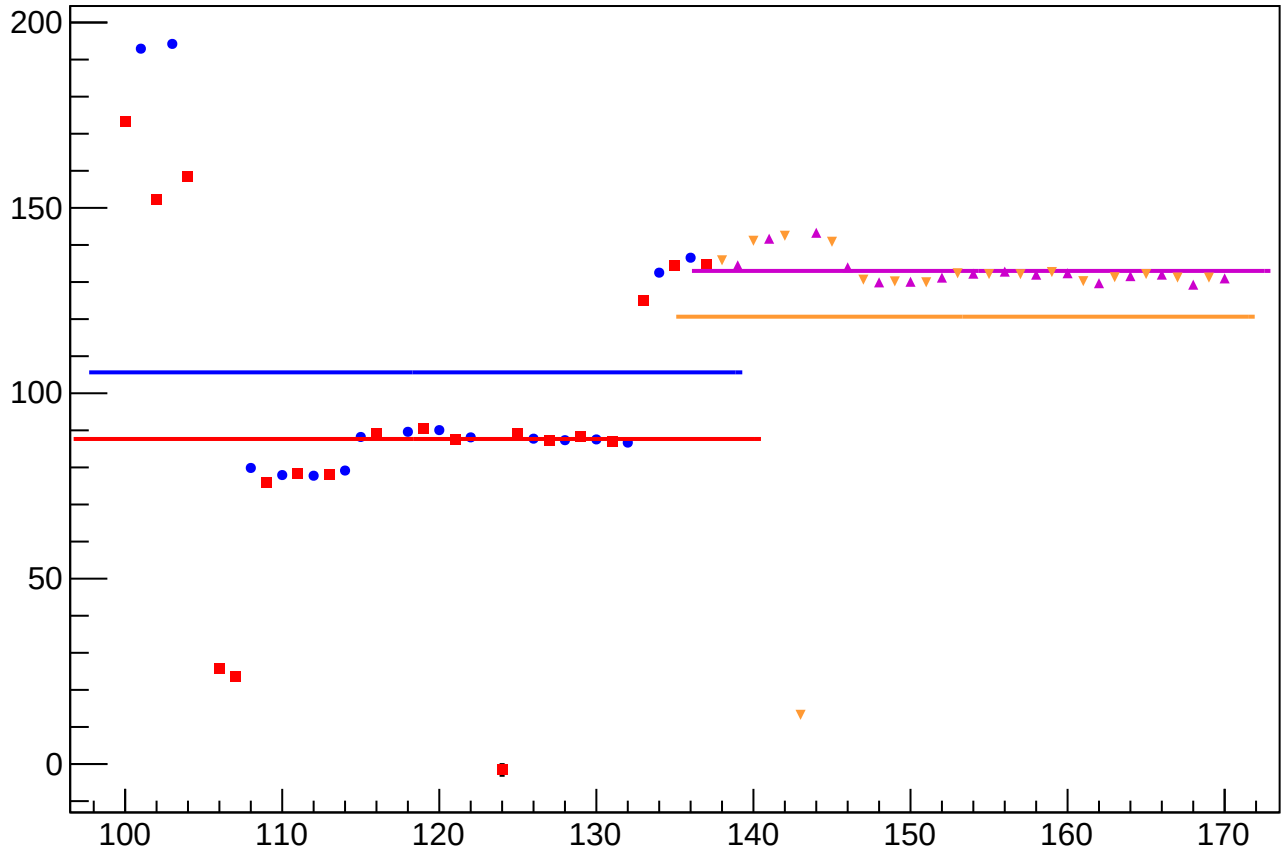
Left: -72.084+/-0.728 χ^2/NDF: 1012.3/32

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.722+/-0.739 χ^2/NDF:544.8/31

Out: -66.767+/-0.716 χ^2/NDF:1132.1/35

All: -69.650+/-0.514 χ^2/NDF: 1710.4/67



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.654+/-0.048 χ^2/NDF:602381.7/16

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 132.999+/-0.049 χ^2/NDF:6127.8/15

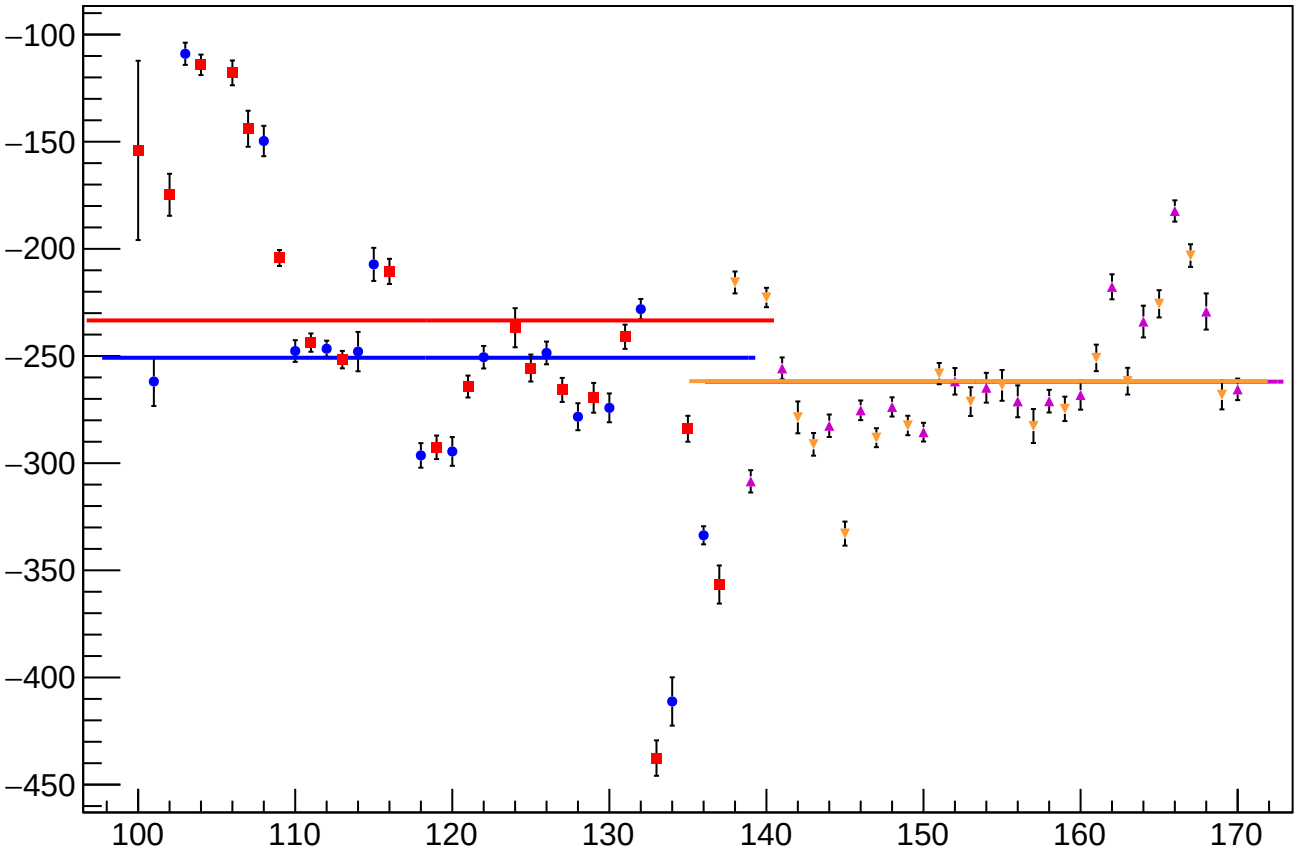
Left: 126.698+/-0.034 χ^2/NDF: 641092.5/32

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 124.179+/-0.040 χ^2/NDF:346835.8/31

Out: 109.206+/-0.039 χ^2/NDF:1141736.5/35

All: 116.398+/-0.028 χ^2/NDF: 1560597.7/67



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.725+/-1.366 χ^2/NDF:583.0/16

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -261.959+/-1.380 χ^2/NDF:491.4/15

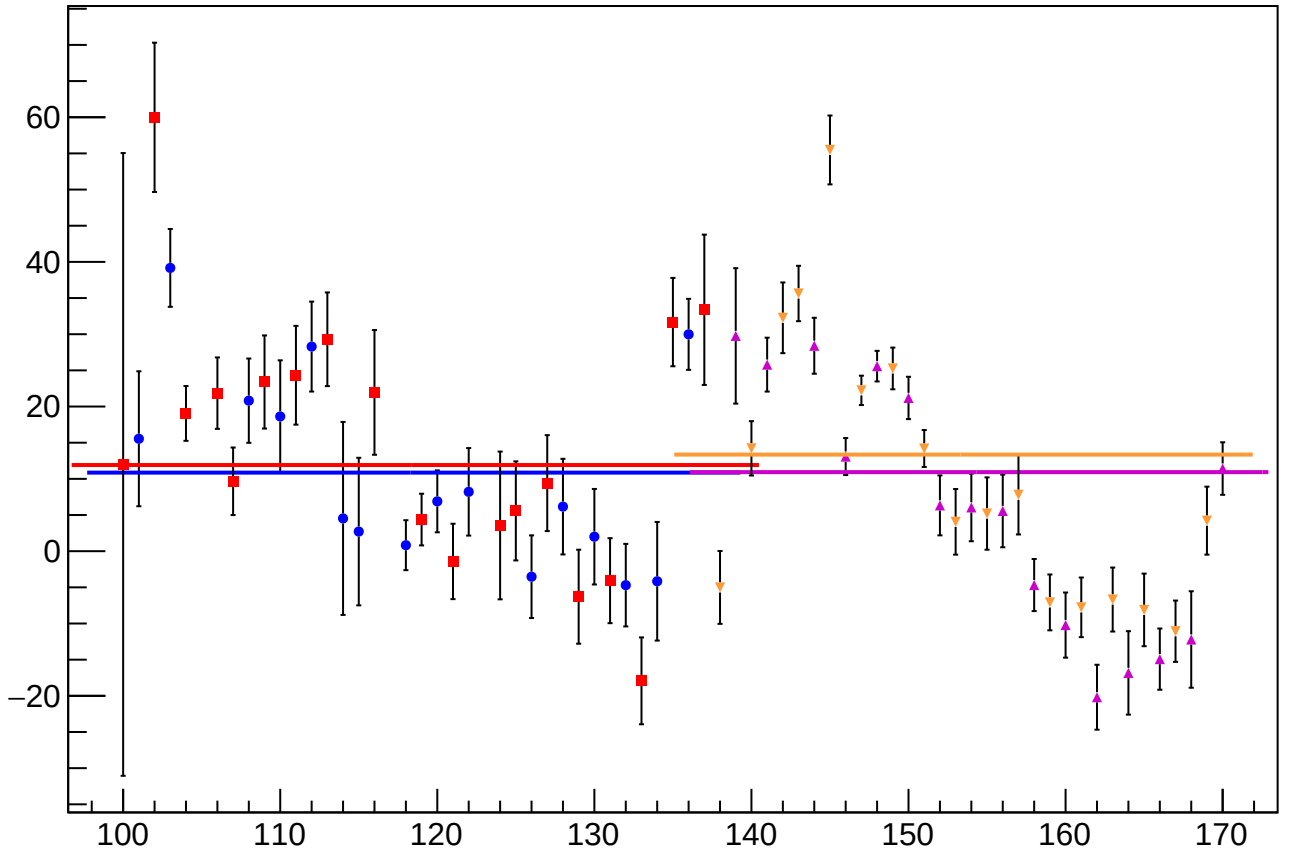
Left: -261.841+/-0.971 χ^2/NDF: 1074.4/32

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.615+/-0.996 χ^2/NDF:2258.4/31

Out: -247.213+/-0.954 χ^2/NDF:3181.7/35

All: -251.714+/-0.689 χ^2/NDF: 5486.5/67



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.355+/-0.905 χ^2/NDF:314.8/16

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 10.931+/-0.934 χ^2/NDF:266.3/15

Left: 12.180+/-0.650 χ^2/NDF: 584.6/32

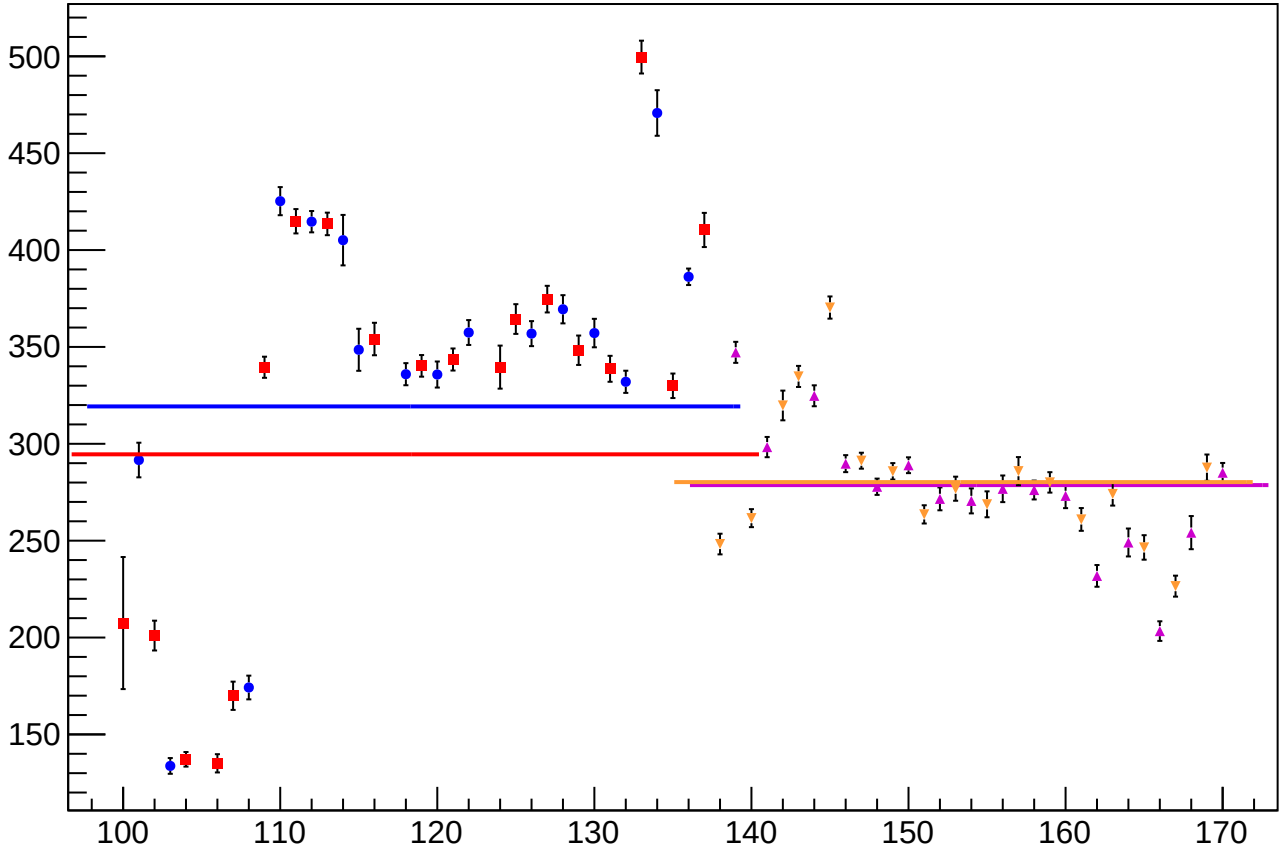
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 10.912+/-0.788 χ^2/NDF:351.0/31

Out: 12.915+/-0.755 χ^2/NDF:427.5/35

All: 11.957+/-0.545 χ^2/NDF: 781.8/67

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: 280.234+/-1.333 χ^2/NDF:591.6/16

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 278.685+/-1.339 χ^2/NDF:581.4/15

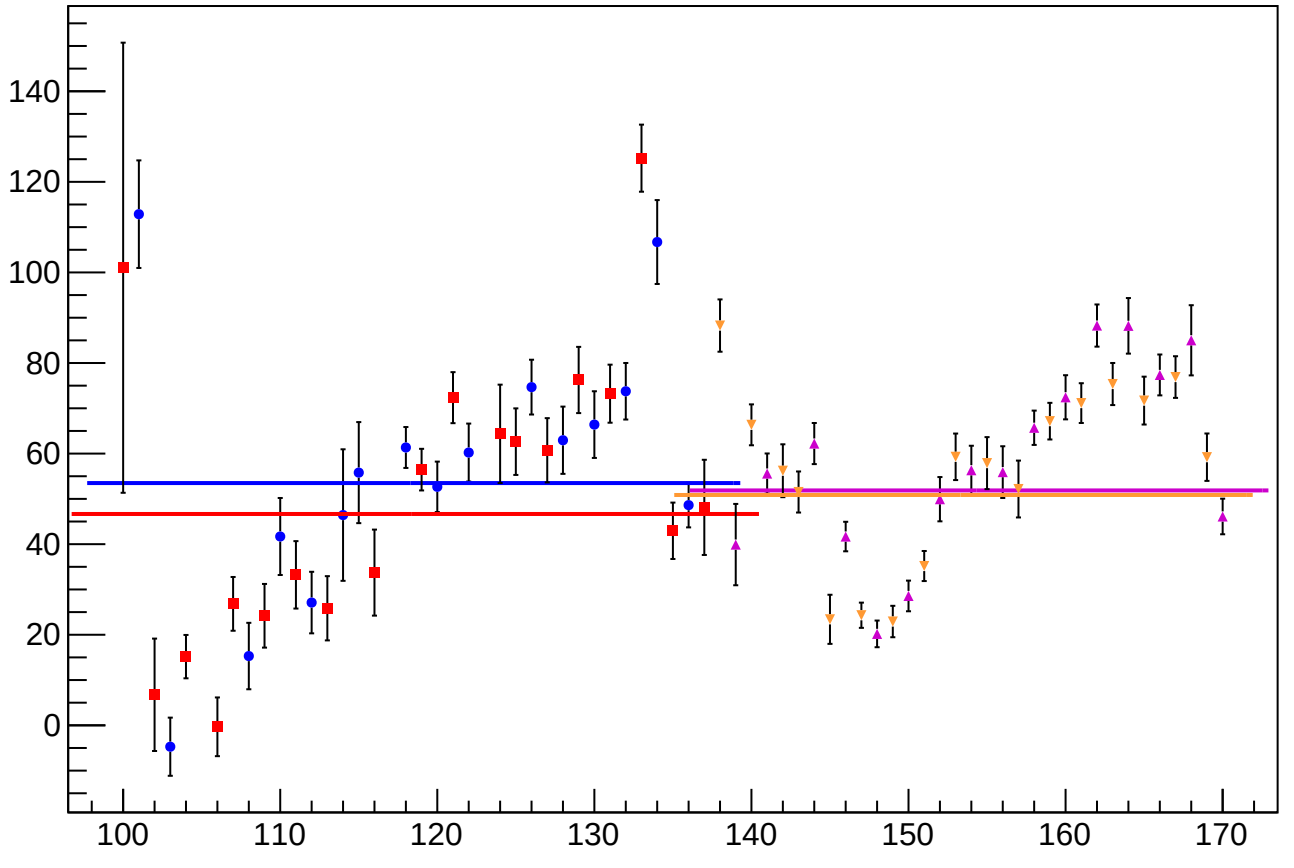
Left: 279.463+/-0.945 χ^2/NDF: 1173.7/32

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 295.588+/-1.023 χ^2/NDF:4757.0/31

Out: 286.644+/-0.991 χ^2/NDF:6146.5/35

All: 290.972+/-0.712 χ^2/NDF: 10942.9/67



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.862+/-1.074 χ^2/NDF:378.1/16

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 51.867+/-1.097 χ^2/NDF:361.6/15

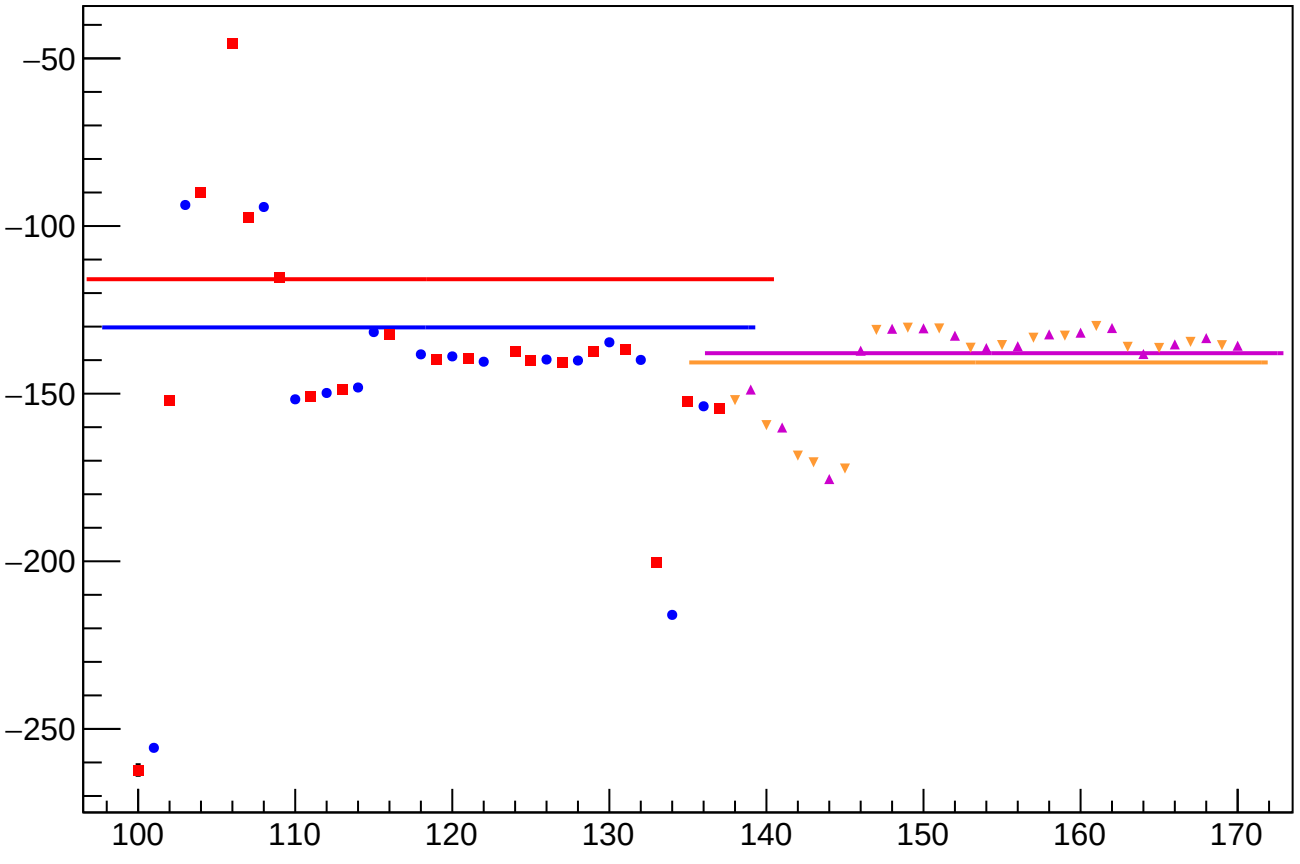
Left: 51.354+/-0.768 χ^2/NDF: 740.1/32

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.346+/-0.922 χ^2/NDF:579.5/31

Out: 49.550+/-0.891 χ^2/NDF:708.5/35

All: 50.900+/-0.641 χ^2/NDF: 1292.7/67



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.687+/-0.051 χ^2/NDF:73370.4/16

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -137.929+/-0.051 χ^2/NDF:46170.7/15

Left: -139.292+/-0.036 χ^2/NDF: 120997.6/32

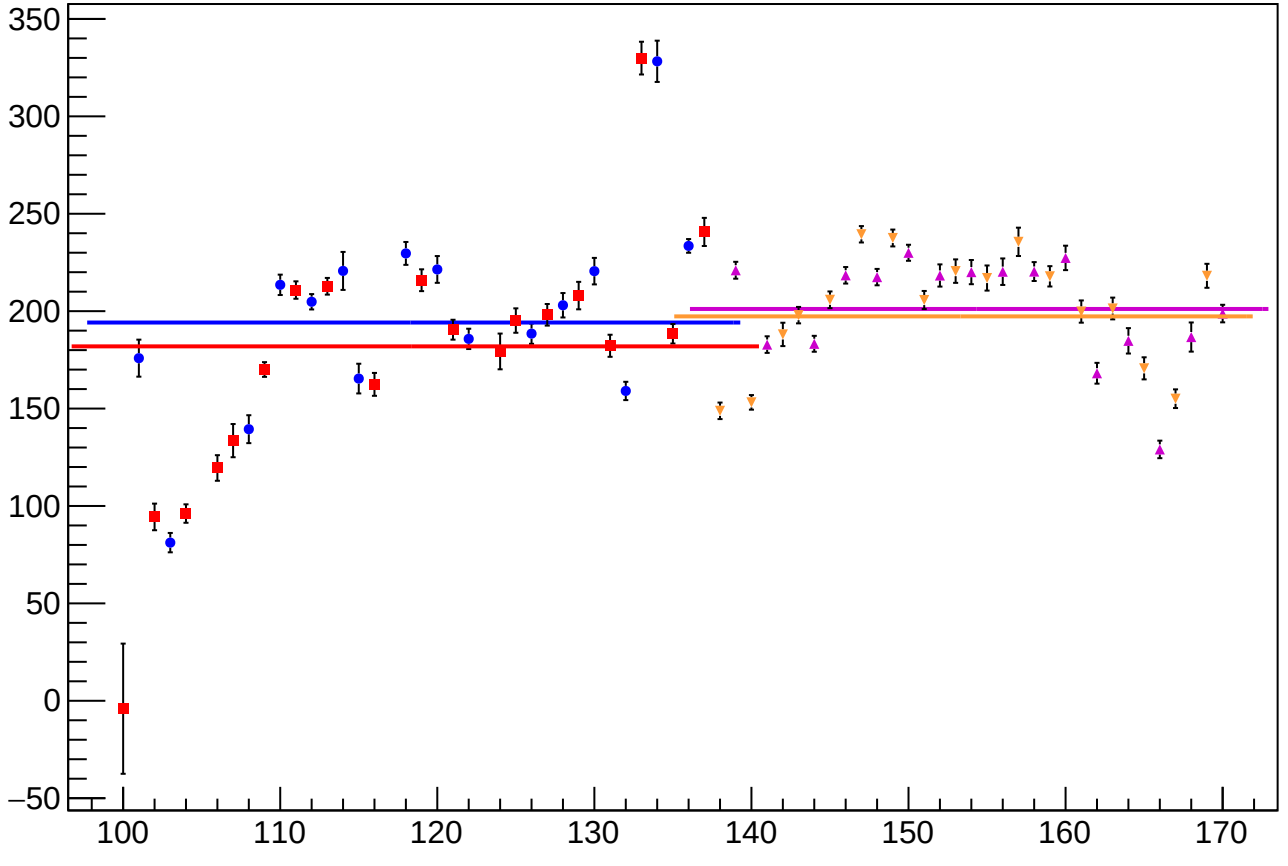
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.103+/-0.044 χ^2/NDF:225819.8/31

Out: -134.125+/-0.044 χ^2/NDF:340955.4/35

All: -135.108+/-0.031 χ^2/NDF: 567775.7/67

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: 197.316+/-1.202 χ^2/NDF:645.0/16

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.130+/-1.230 χ^2/NDF:504.4/15

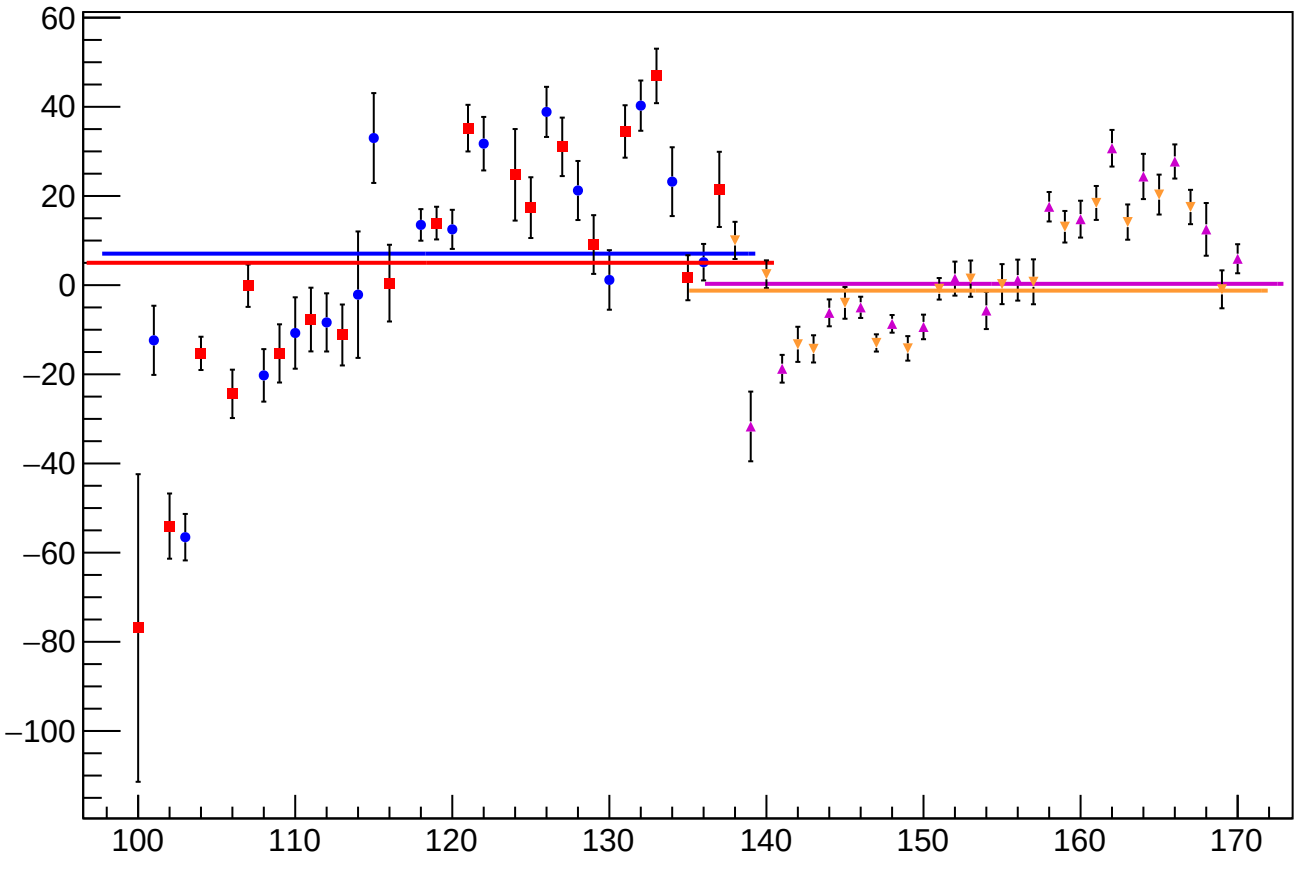
Left: 199.179+/-0.860 χ^2/NDF: 1154.3/32

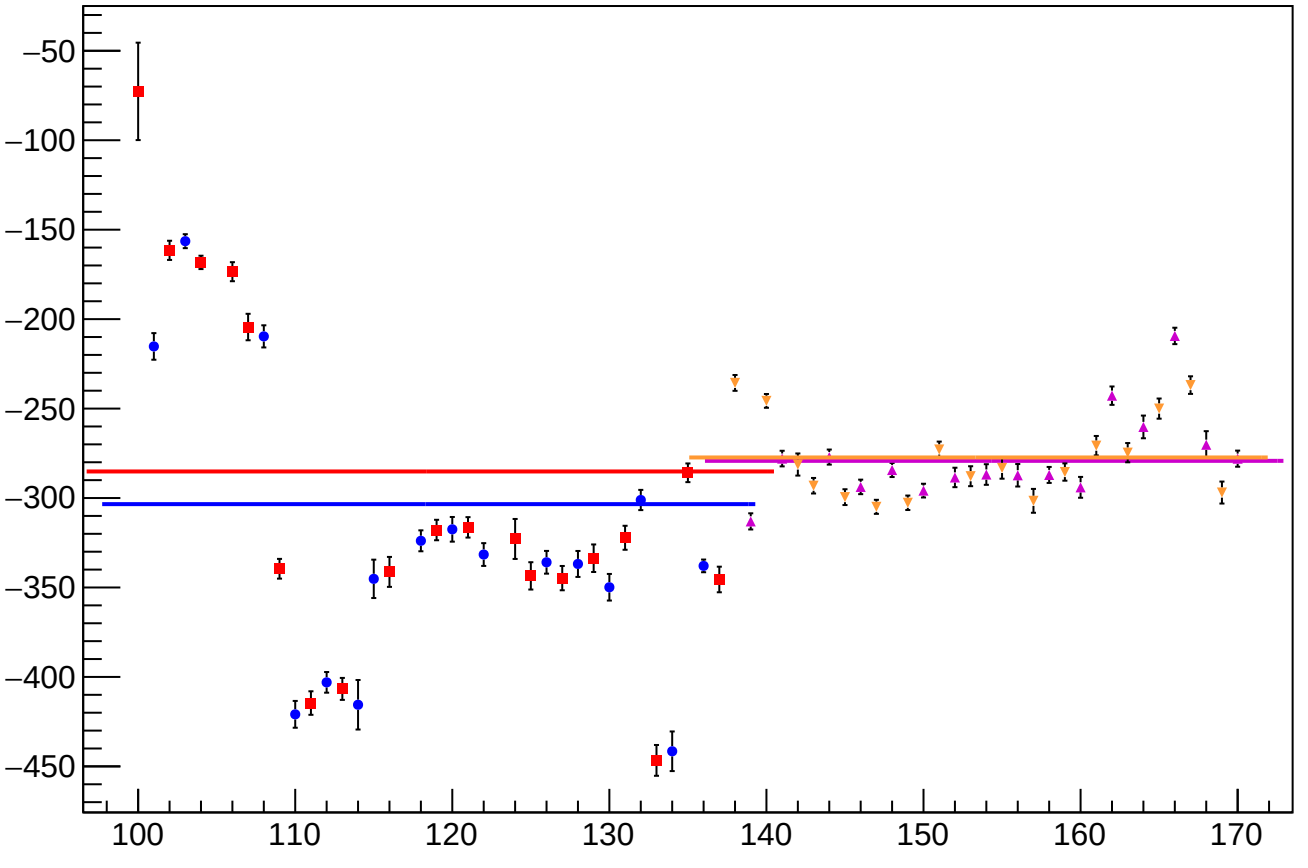
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.111+/-0.926 χ^2/NDF:1553.5/31

Out: 190.350+/-0.889 χ^2/NDF:1924.0/35

All: 194.074+/-0.641 χ^2/NDF: 3514.0/67


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -1.227+/-0.812 χ²/NDF:201.8/16
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: 0.295+/-0.844 χ²/NDF:274.3/15
Left: -0.495+/-0.585 χ²/NDF: 477.7/32
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: 2.021+/-0.728 χ²/NDF:583.2/31
Out: 0.422+/-0.696 χ²/NDF:505.9/35
All: 1.186+/-0.503 χ²/NDF: 1091.7/67



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -277.324+/-1.179 χ^2/NDF:408.3/16

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.213+/-1.198 χ^2/NDF:398.5/15

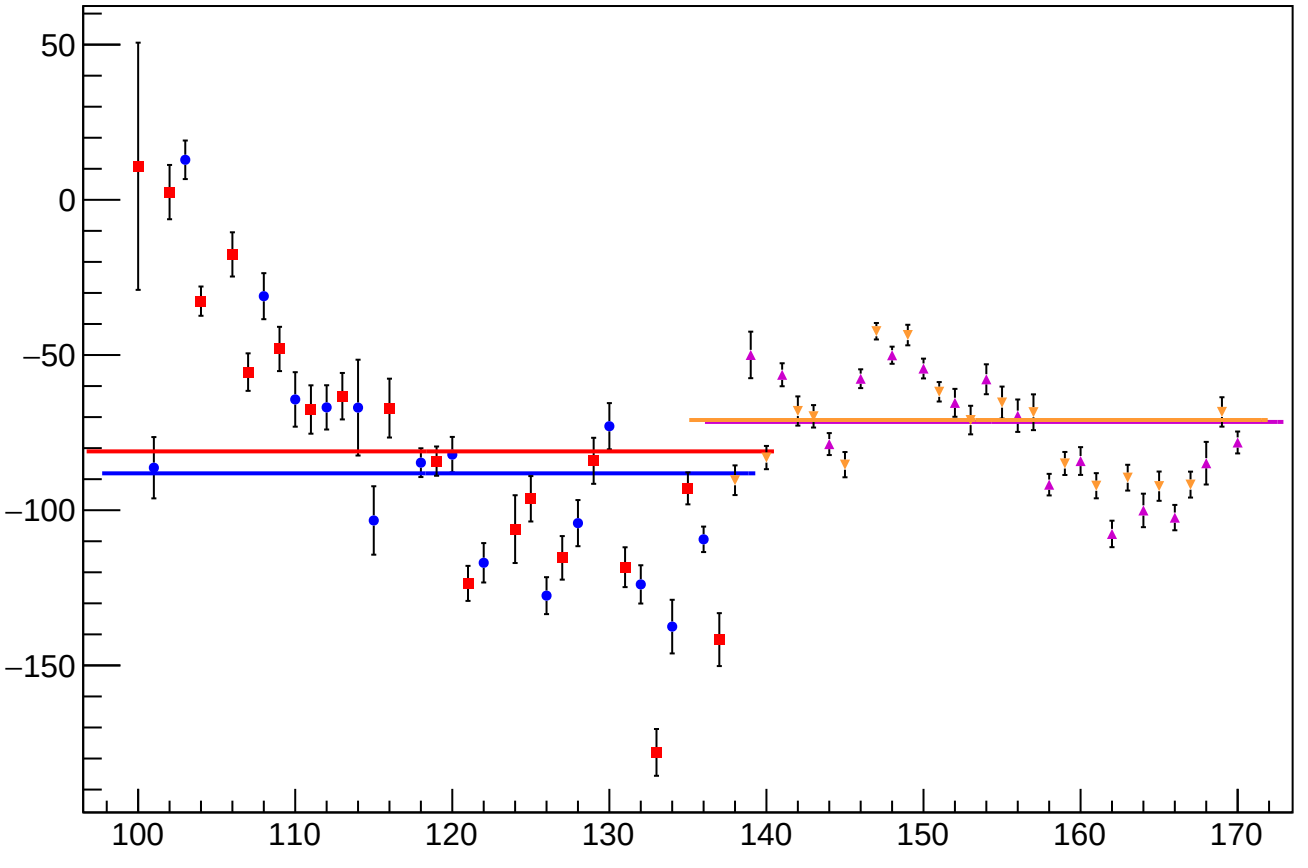
Left: -278.253+/-0.840 χ^2/NDF: 808.0/32

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -288.409+/-0.943 χ^2/NDF:3339.0/31

Out: -280.436+/-0.915 χ^2/NDF:4180.6/35

All: -284.301+/-0.657 χ^2/NDF: 7556.4/67



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -70.939+/-0.960 χ^2/NDF:341.4/16

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -71.556+/-0.989 χ^2/NDF:355.7/15

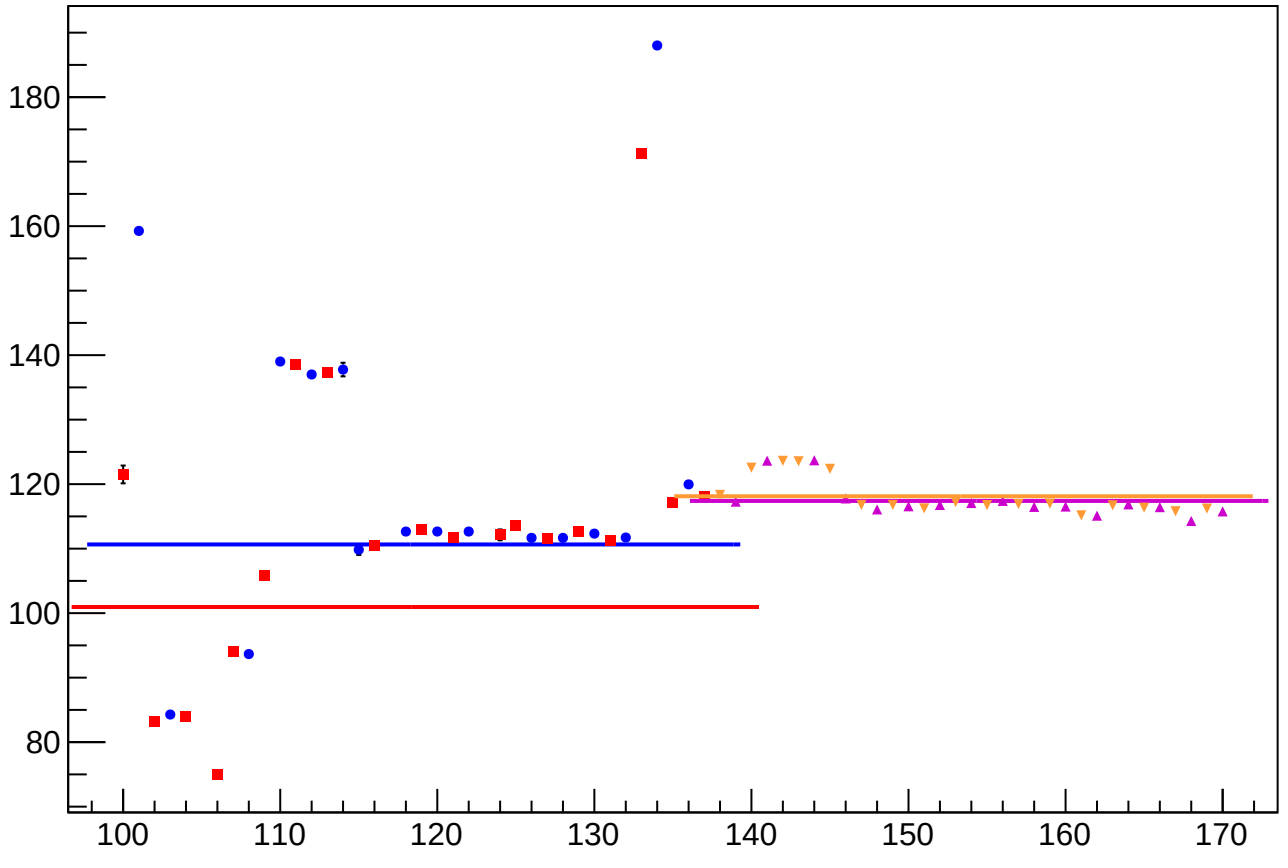
Left: -71.238+/-0.689 χ^2/NDF: 697.3/32

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.915+/-0.849 χ^2/NDF:941.4/31

Out: -73.691+/-0.819 χ^2/NDF:1049.1/35

All: -74.763+/-0.589 χ^2/NDF: 1994.1/67



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.123+/-0.046 χ^2/NDF:3613.2/16

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.399+/-0.046 χ^2/NDF:2936.1/15

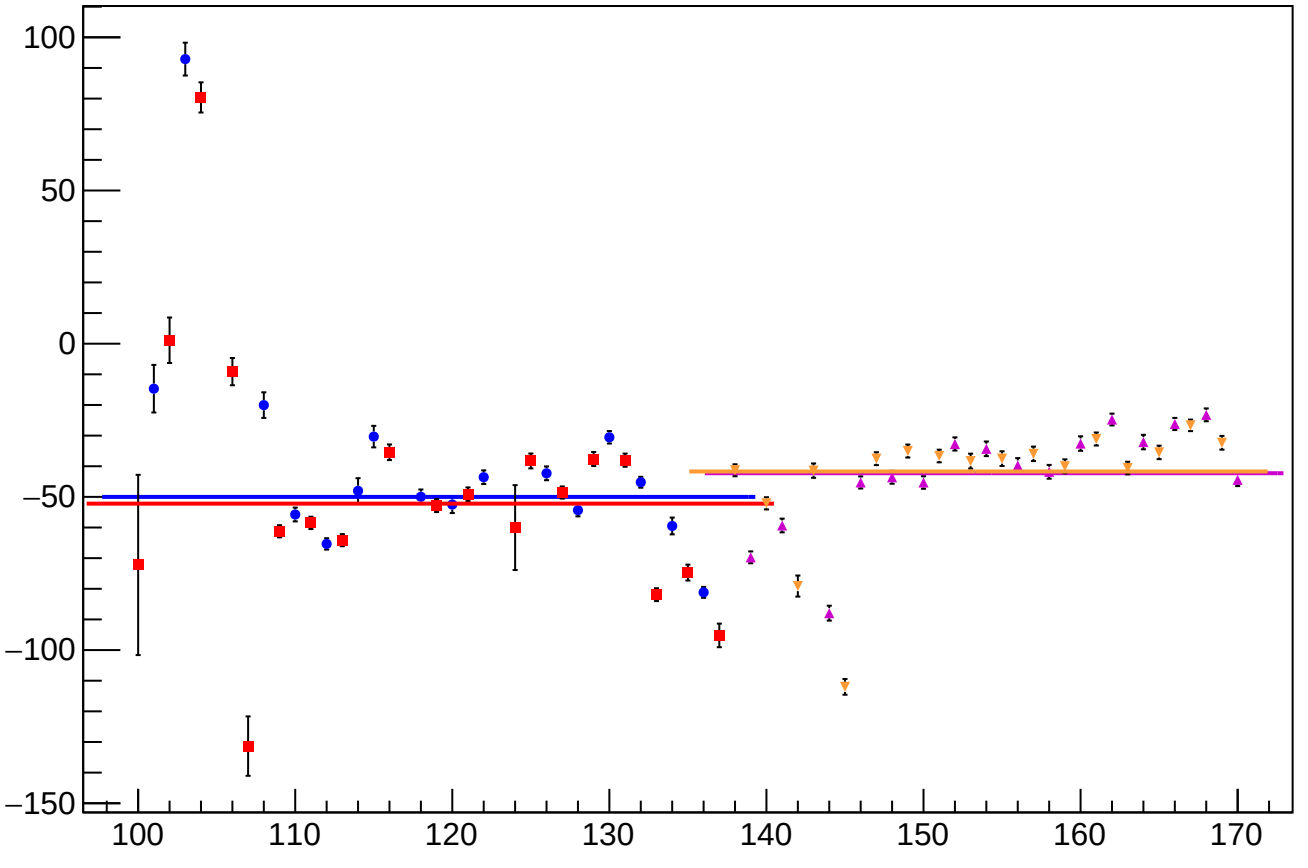
Left: 117.760+/-0.032 χ^2/NDF: 6675.7/32

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.916+/-0.040 χ^2/NDF:91282.1/31

Out: 113.991+/-0.040 χ^2/NDF:99777.5/35

All: 114.942+/-0.028 χ^2/NDF: 192220.0/67



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -41.708+/-0.537 χ^2/NDF:1038.3/16

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -42.278+/-0.538 χ^2/NDF:915.4/15

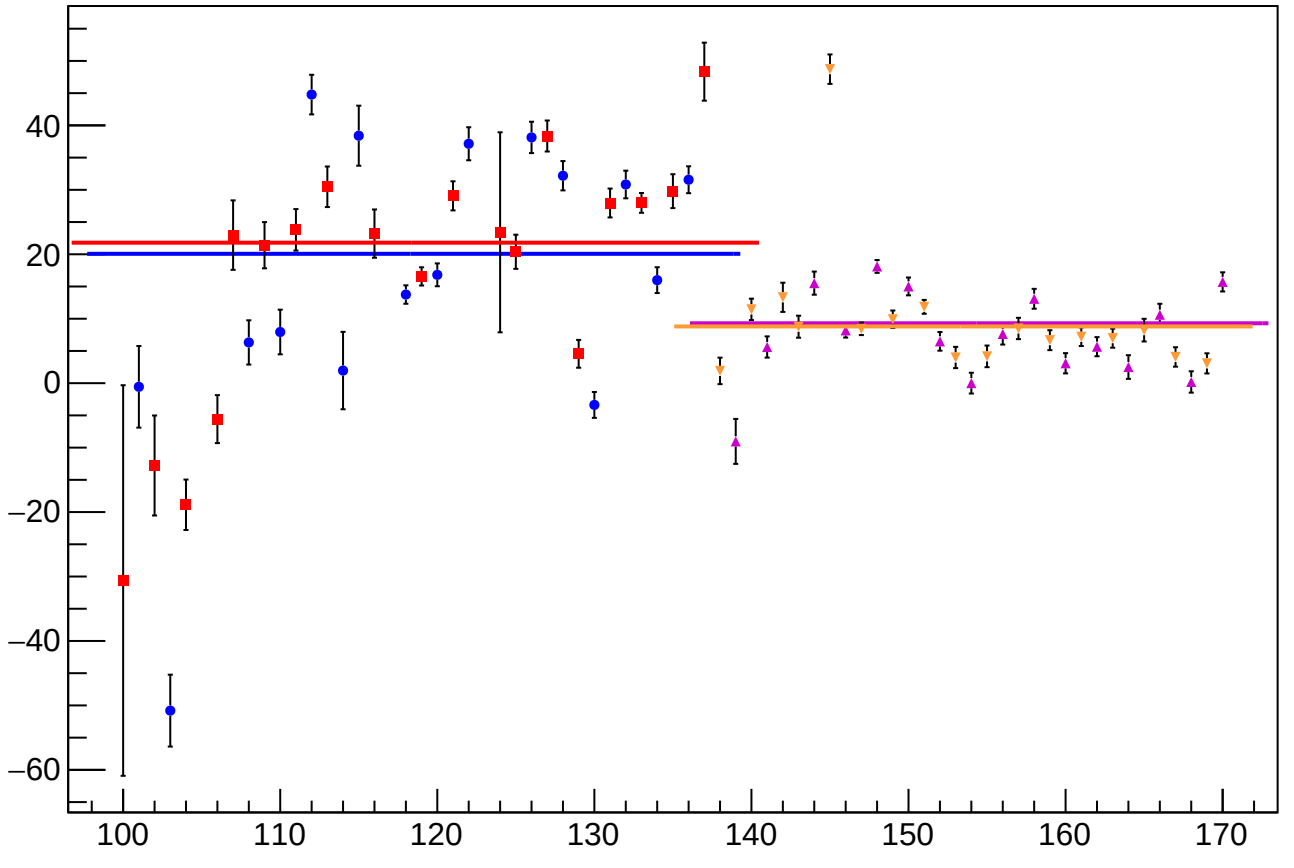
Left: -41.992+/-0.380 χ^2/NDF: 1954.3/32

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -45.660+/-0.403 χ^2/NDF:2333.1/31

Out: -46.332+/-0.402 χ^2/NDF:2777.1/35

All: -45.998+/-0.285 χ^2/NDF: 5111.6/67



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.805+/-0.367 χ^2/NDF:376.0/16

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.292+/-0.376 χ^2/NDF:269.7/15

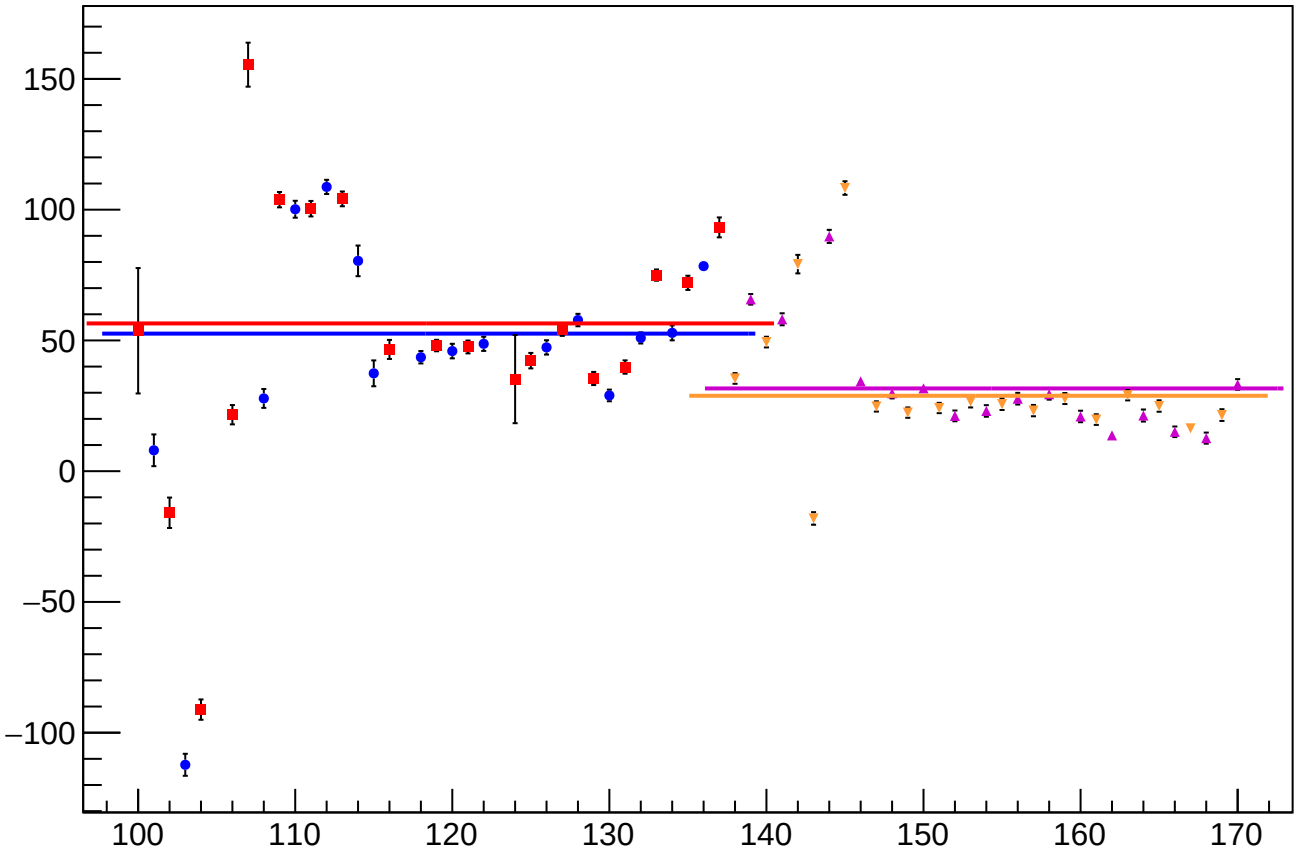
Left: 9.042+/-0.263 χ^2/NDF: 646.6/32

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.249+/-0.320 χ^2/NDF:1131.1/31

Out: 12.162+/-0.316 χ^2/NDF:1096.1/35

All: 12.205+/-0.225 χ^2/NDF: 2227.2/67



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 28.838+/-0.523 χ^2/NDF:1735.0/16

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 31.643+/-0.522 χ^2/NDF:1289.9/15

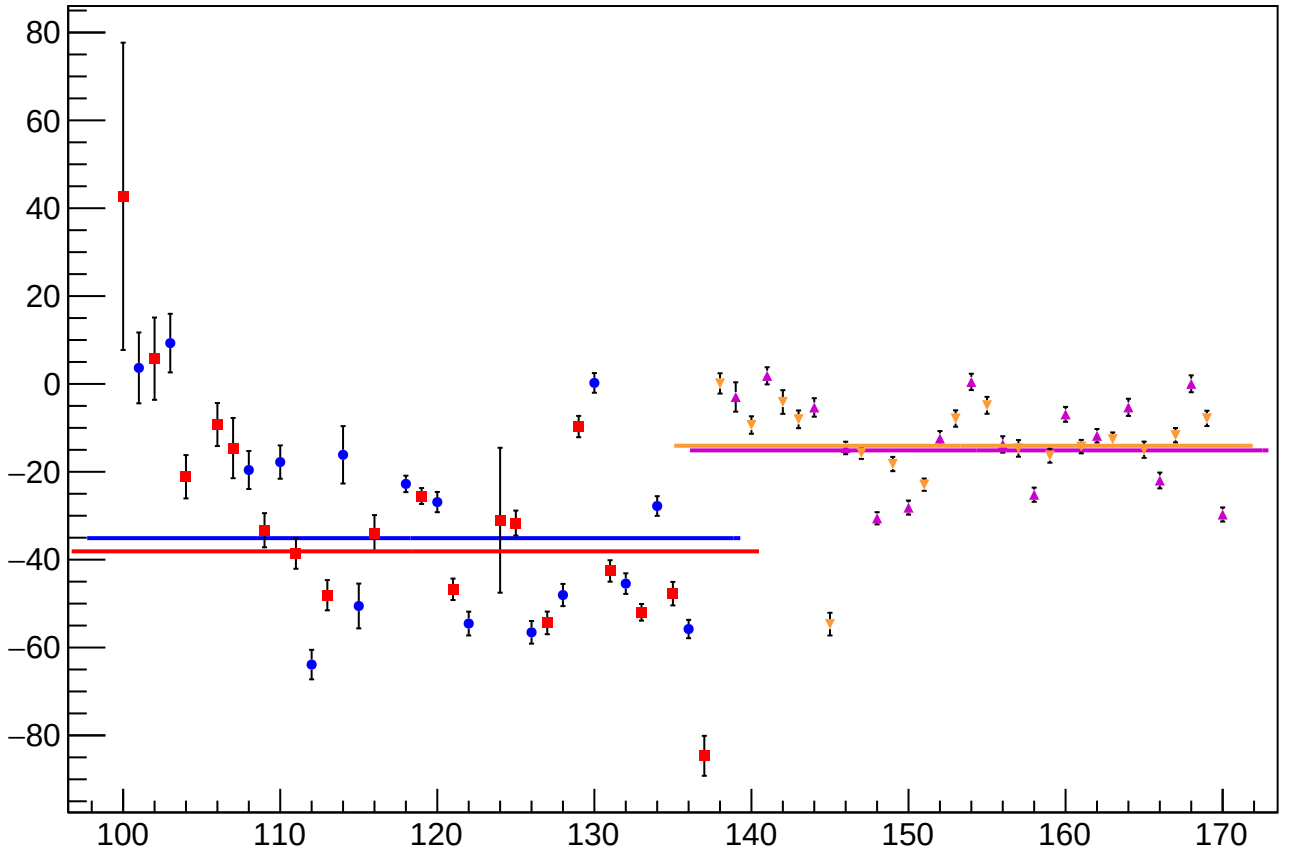
Left: 30.242+/-0.370 χ^2/NDF: 3039.3/32

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 39.194+/-0.418 χ^2/NDF:4529.1/31

Out: 38.647+/-0.420 χ^2/NDF:5692.8/35

All: 38.922+/-0.296 χ^2/NDF: 10222.8/67



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.067+/-0.427 χ^2/NDF:412.9/16

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.121+/-0.435 χ^2/NDF:625.6/15

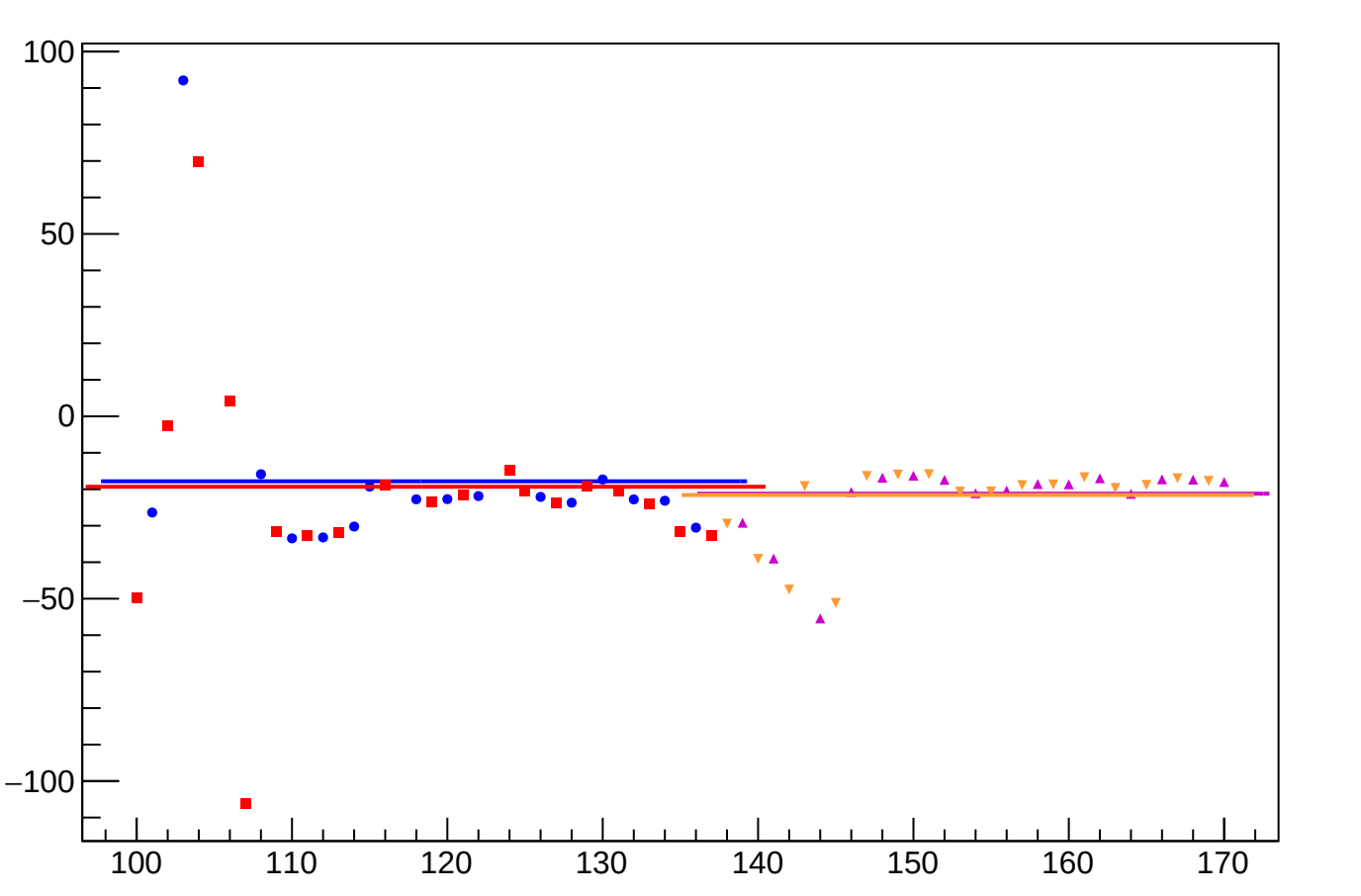
Left: -14.584+/-0.305 χ^2/NDF: 1041.5/32

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.690+/-0.370 χ^2/NDF:1986.4/31

Out: -20.409+/-0.367 χ^2/NDF:1762.6/35

All: -20.548+/-0.260 χ^2/NDF: 3749.3/67



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -21.576+/-0.020 χ^2/NDF:192999.9/16

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -21.207+/-0.019 χ^2/NDF:164164.6/15

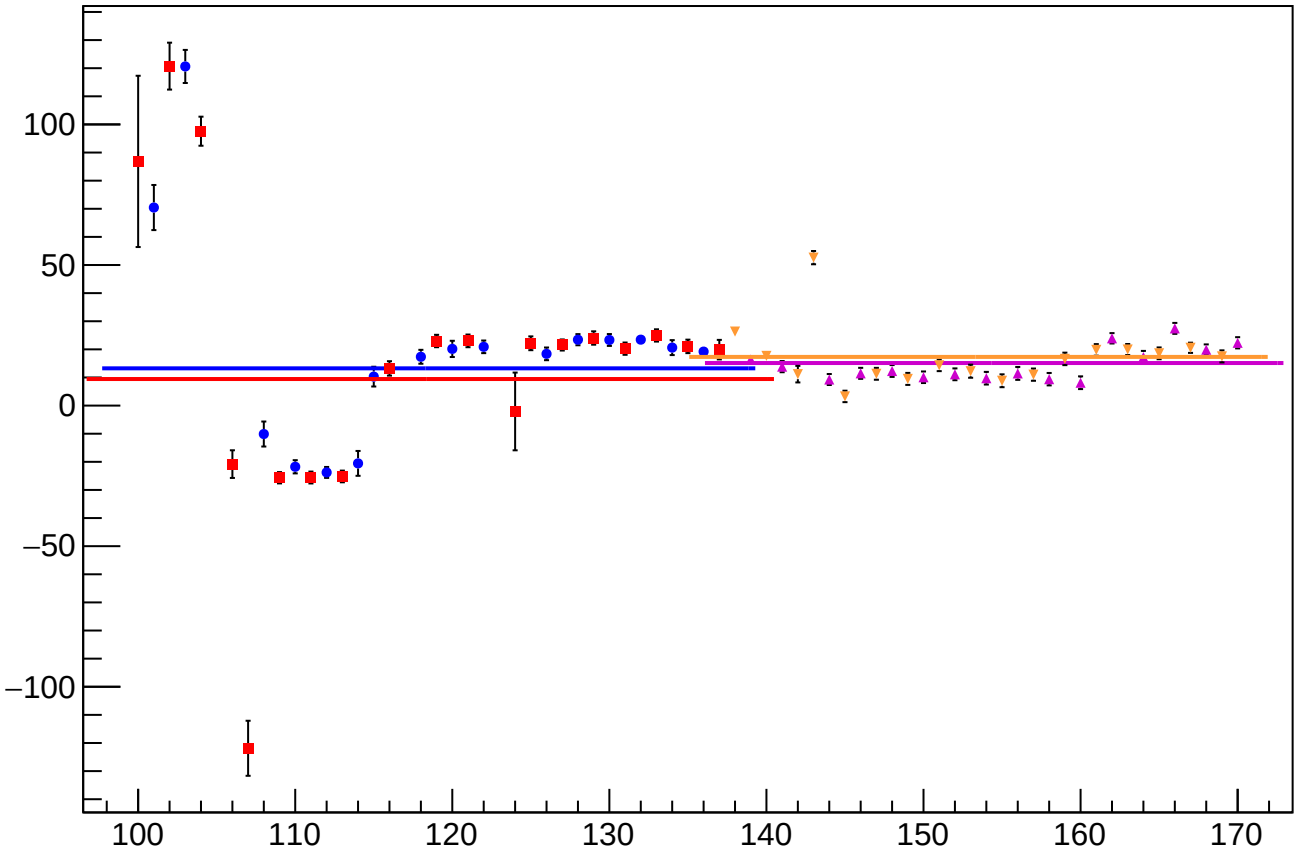
Left: -21.390+/-0.014 χ^2/NDF: 357343.4/32

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.639+/-0.018 χ^2/NDF:595388.5/31

Out: -21.229+/-0.018 χ^2/NDF:539672.4/35

All: -20.928+/-0.013 χ^2/NDF: 1135605.6/67



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.316+/-0.507 χ^2/NDF:358.7/16

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.139+/-0.507 χ^2/NDF:132.7/15

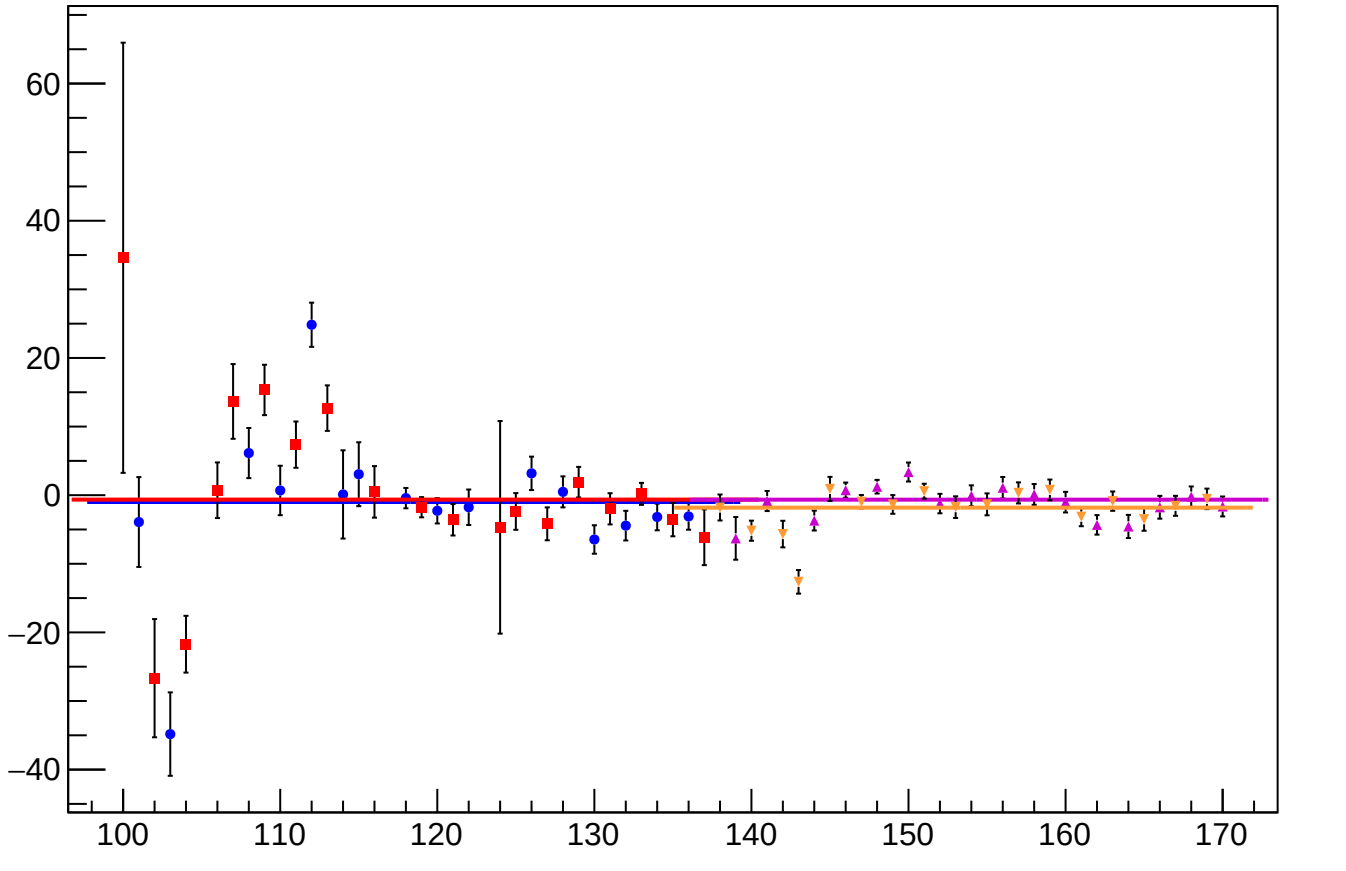
Left: 16.227+/-0.359 χ^2/NDF: 500.7/32

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.374+/-0.391 χ^2/NDF:1320.8/31

Out: 14.131+/-0.391 χ^2/NDF:2292.7/35

All: 14.253+/-0.277 χ^2/NDF: 3613.7/67



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.818+/-0.352 χ^2/NDF:65.1/16

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.656+/-0.359 χ^2/NDF:36.2/15

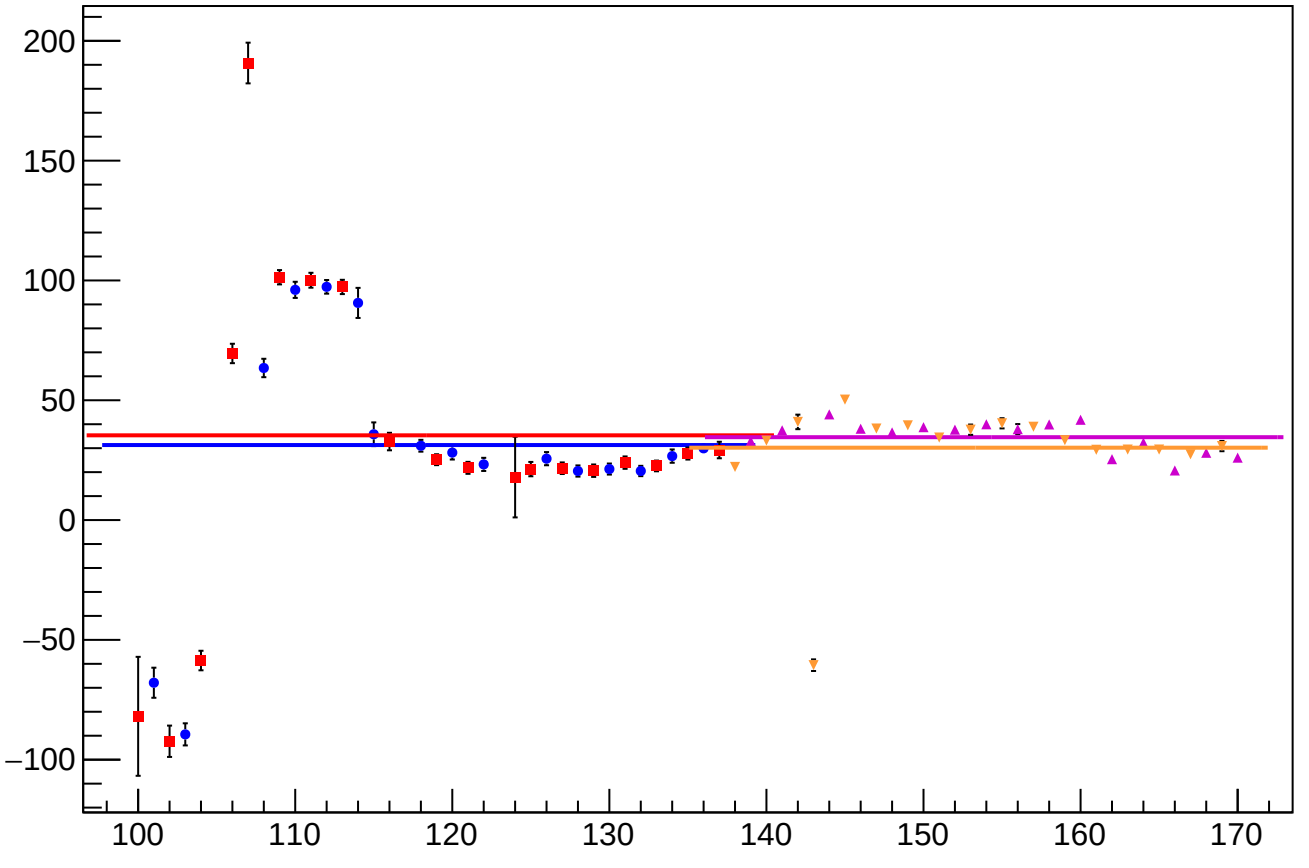
Left: -1.249+/-0.251 χ^2/NDF: 106.7/32

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.741+/-0.311 χ^2/NDF:152.8/31

Out: -1.543+/-0.308 χ^2/NDF:162.0/35

All: -1.145+/-0.219 χ^2/NDF: 318.1/67



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.206+/-0.496 χ^2/NDF:1628.2/16

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 34.587+/-0.494 χ^2/NDF:171.8/15

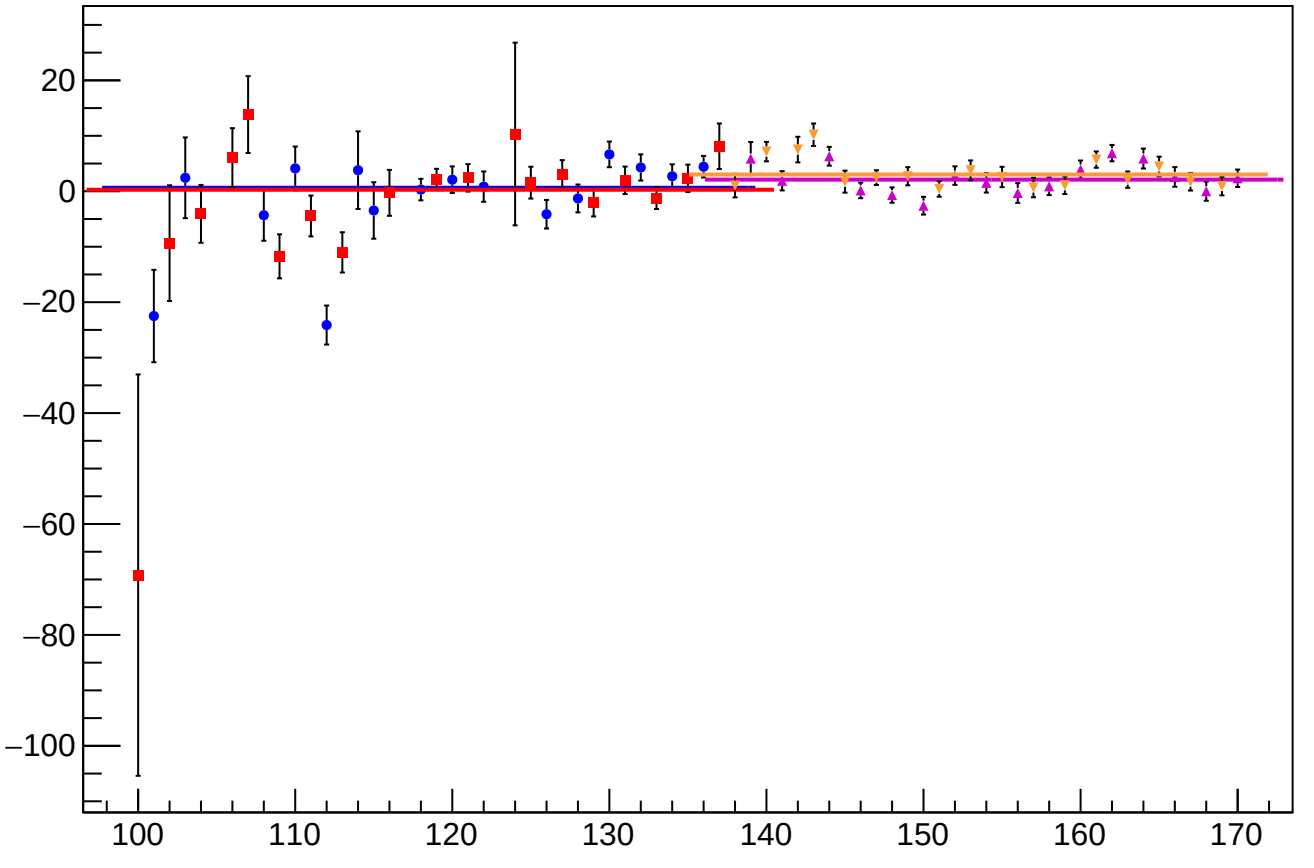
Left: 32.403+/-0.350 χ^2/NDF: 1839.2/32

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.498+/-0.404 χ^2/NDF:2272.3/31

Out: 31.874+/-0.408 χ^2/NDF:4560.9/35

All: 32.694+/-0.287 χ^2/NDF: 6841.2/67



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.024+/-0.408 χ^2/NDF:36.9/16

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.100+/-0.415 χ^2/NDF:42.9/15

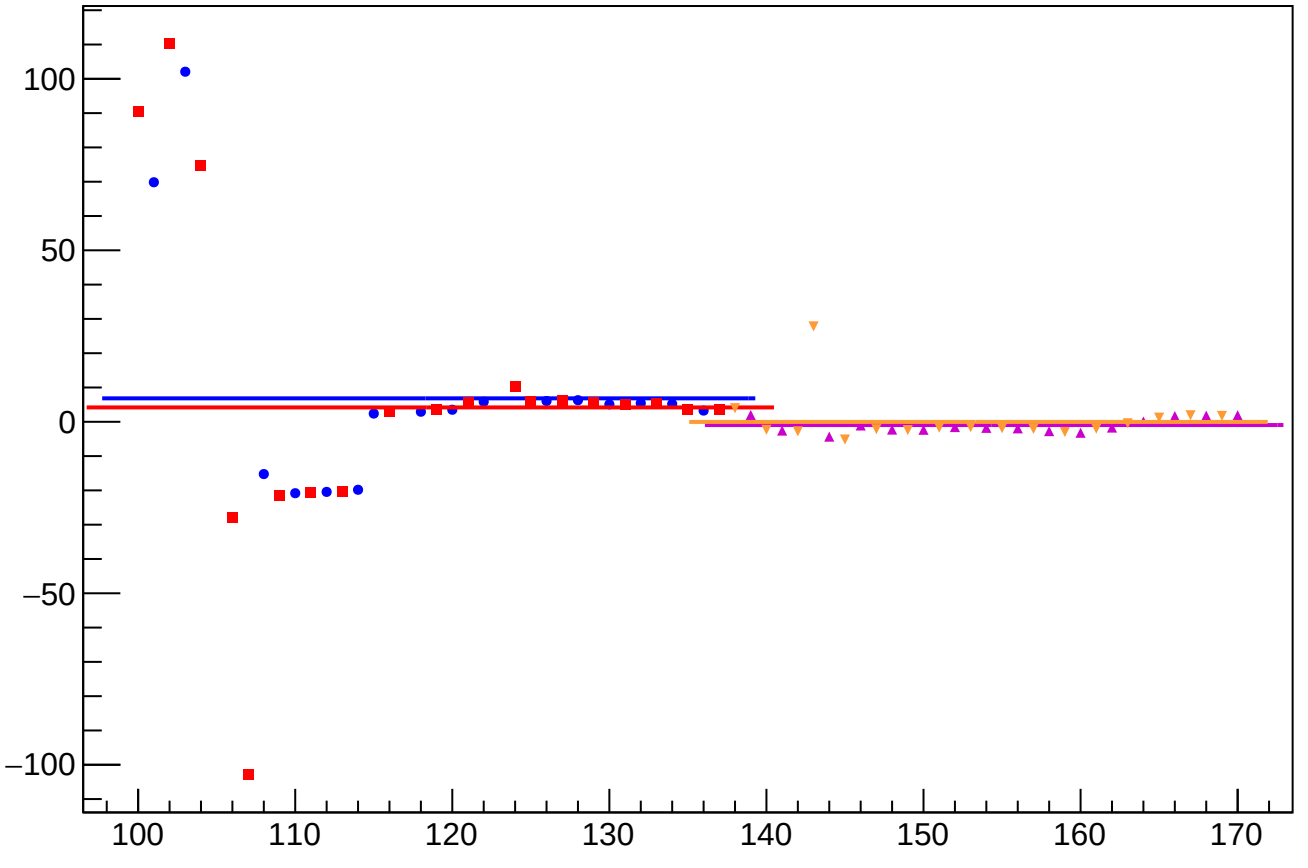
Left: 2.569+/-0.291 χ^2/NDF: 82.3/32

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.723+/-0.357 χ^2/NDF:124.6/31

Out: 2.363+/-0.356 χ^2/NDF:88.3/35

All: 2.044+/-0.252 χ^2/NDF: 214.4/67



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.037+/-0.019 χ^2/NDF:92772.6/16

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.943+/-0.018 χ^2/NDF:11262.5/15

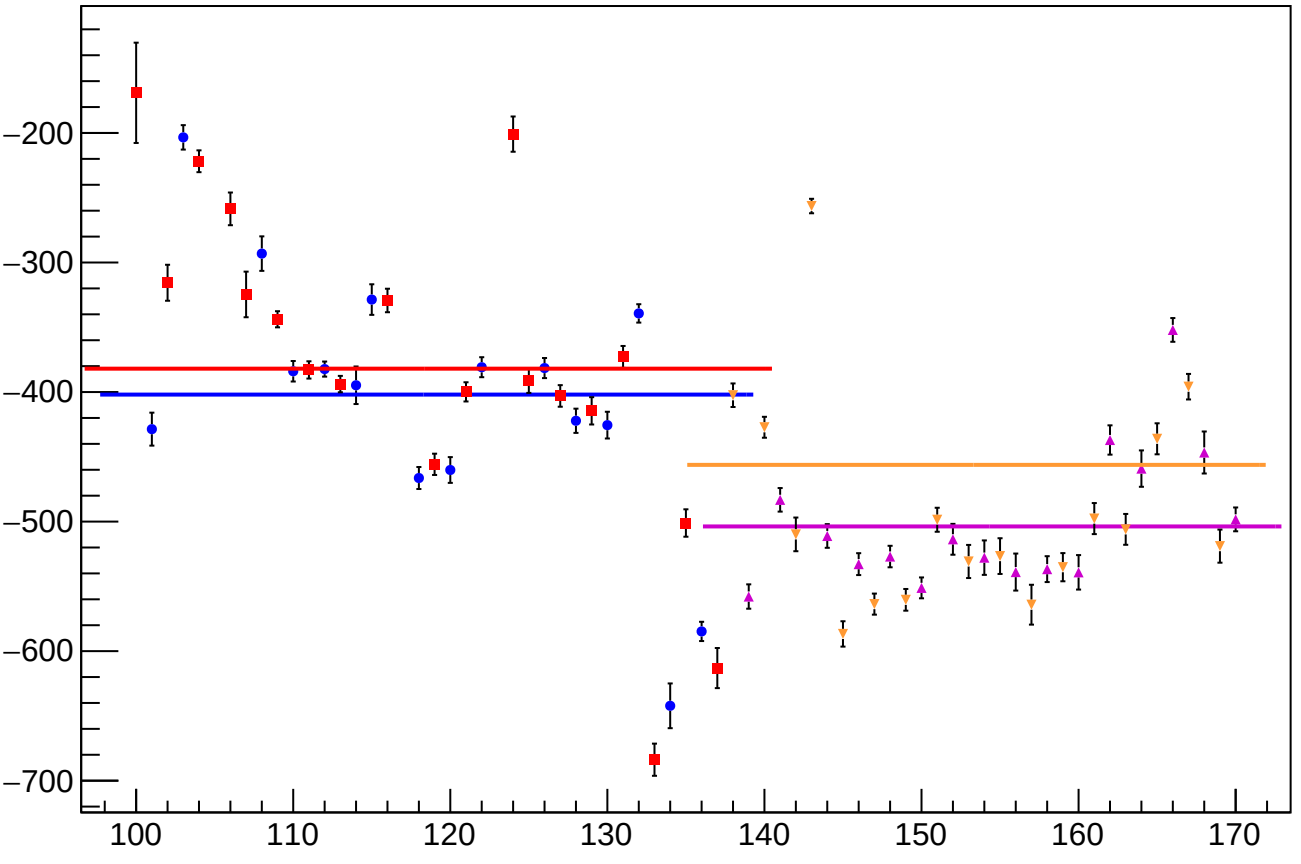
Left: -0.496+/-0.013 χ^2/NDF: 105237.7/32

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.264+/-0.017 χ^2/NDF:360081.7/31

Out: 0.549+/-0.017 χ^2/NDF:534499.9/35

All: 0.403+/-0.012 χ^2/NDF: 894721.7/67



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -456.212+/-2.368 χ^2/NDF:2128.1/16

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -503.739+/-2.556 χ^2/NDF:453.0/15

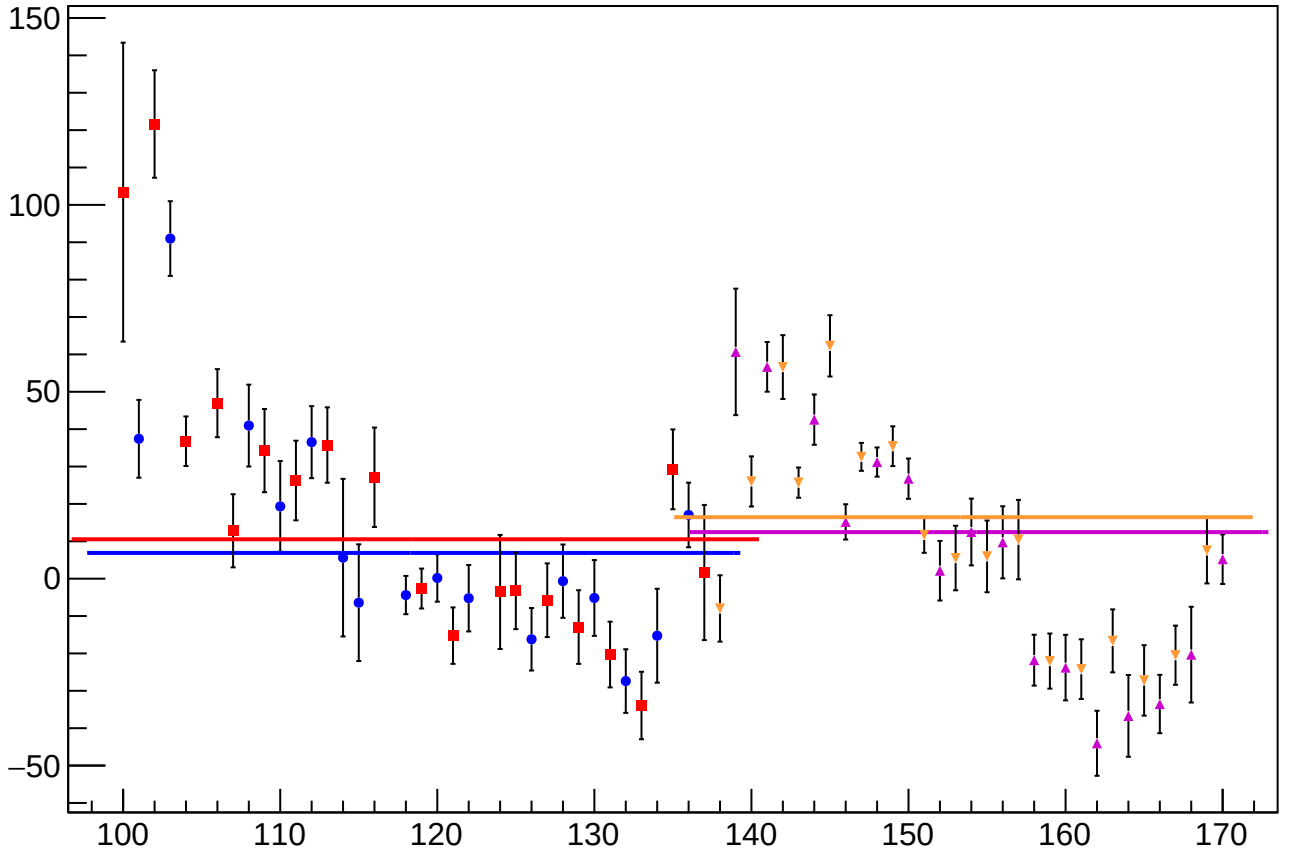
Left: -478.165+/-1.737 χ^2/NDF: 2767.2/32

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.081+/-1.683 χ^2/NDF:2914.4/31

Out: -415.060+/-1.581 χ^2/NDF:4490.4/35

All: -429.606+/-1.152 χ^2/NDF: 7585.2/67



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 16.449+/-1.587 χ^2/NDF:216.6/16

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 12.454+/-1.732 χ^2/NDF:251.9/15

Left: 14.624+/-1.170 χ^2/NDF: 471.4/32

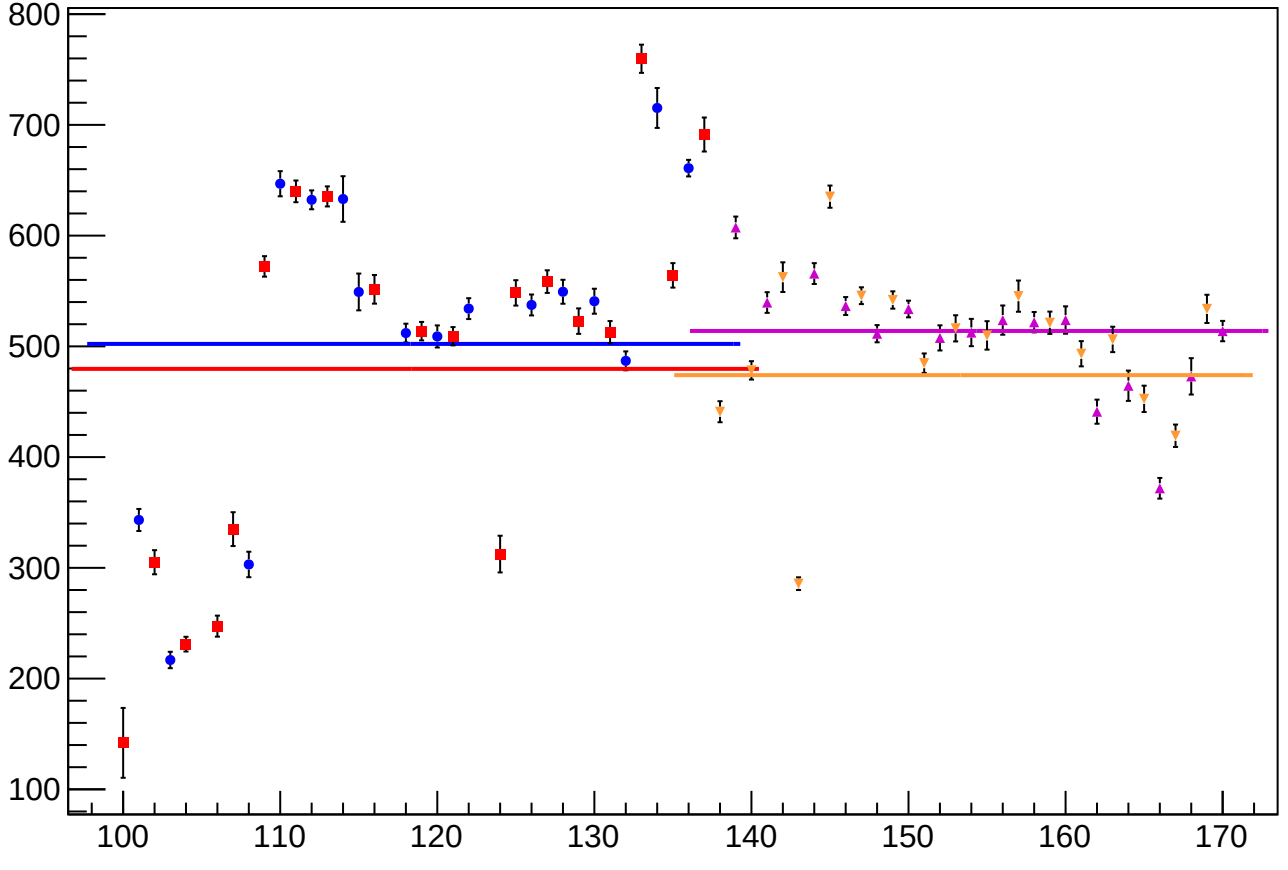
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.400+/-1.375 χ^2/NDF:394.1/31

Out: 14.423+/-1.287 χ^2/NDF:401.4/35

All: 12.546+/-0.940 χ^2/NDF: 800.1/67

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 474.030+/-2.328 χ^2/NDF:1689.1/16

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 513.913+/-2.485 χ^2/NDF:441.3/15

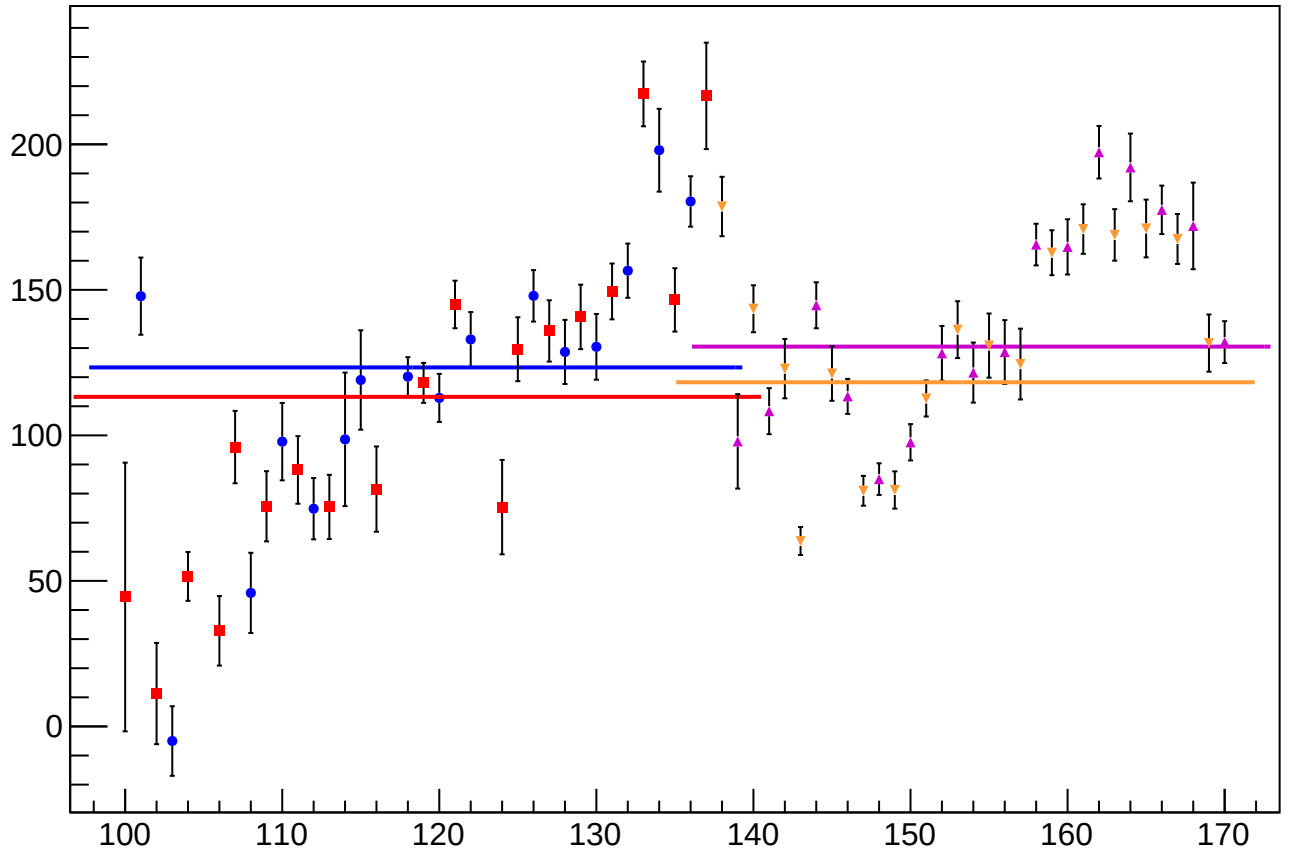
Left: 492.676+/-1.699 χ^2/NDF: 2267.6/32

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 508.082+/-1.760 χ^2/NDF:3587.6/31

Out: 476.769+/-1.671 χ^2/NDF:5830.4/35

All: 491.614+/-1.212 χ^2/NDF: 9584.5/67



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 118.247+/-1.887 χ^2/NDF:434.4/16

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 130.496+/-2.038 χ^2/NDF:281.4/15

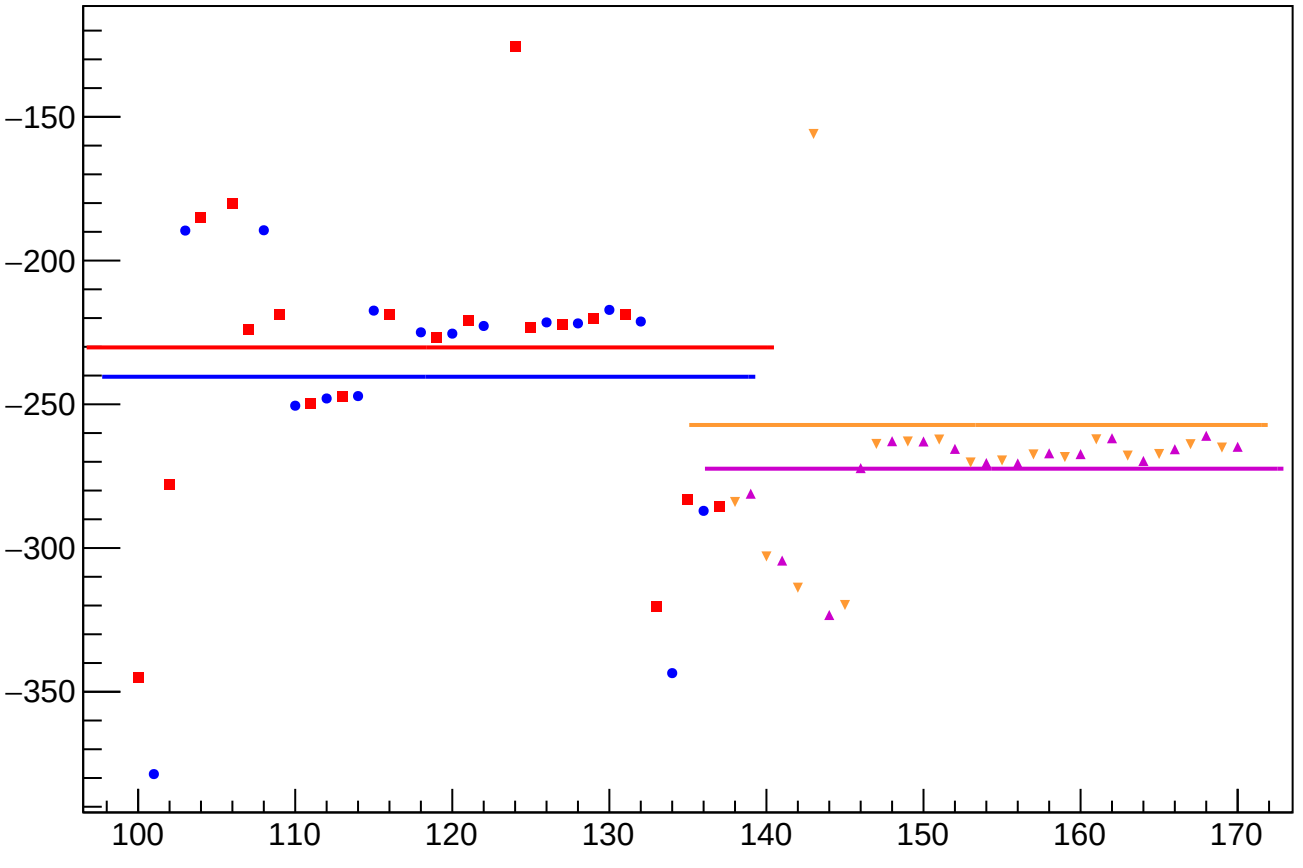
Left: 123.898+/-1.385 χ^2/NDF: 735.2/32

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.808+/-1.610 χ^2/NDF:557.4/31

Out: 116.469+/-1.516 χ^2/NDF:782.6/35

All: 121.795+/-1.104 χ^2/NDF: 1366.3/67



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -257.188+/-0.091 χ^2/NDF:240788.9/16

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -272.400+/-0.095 χ^2/NDF:26842.3/15

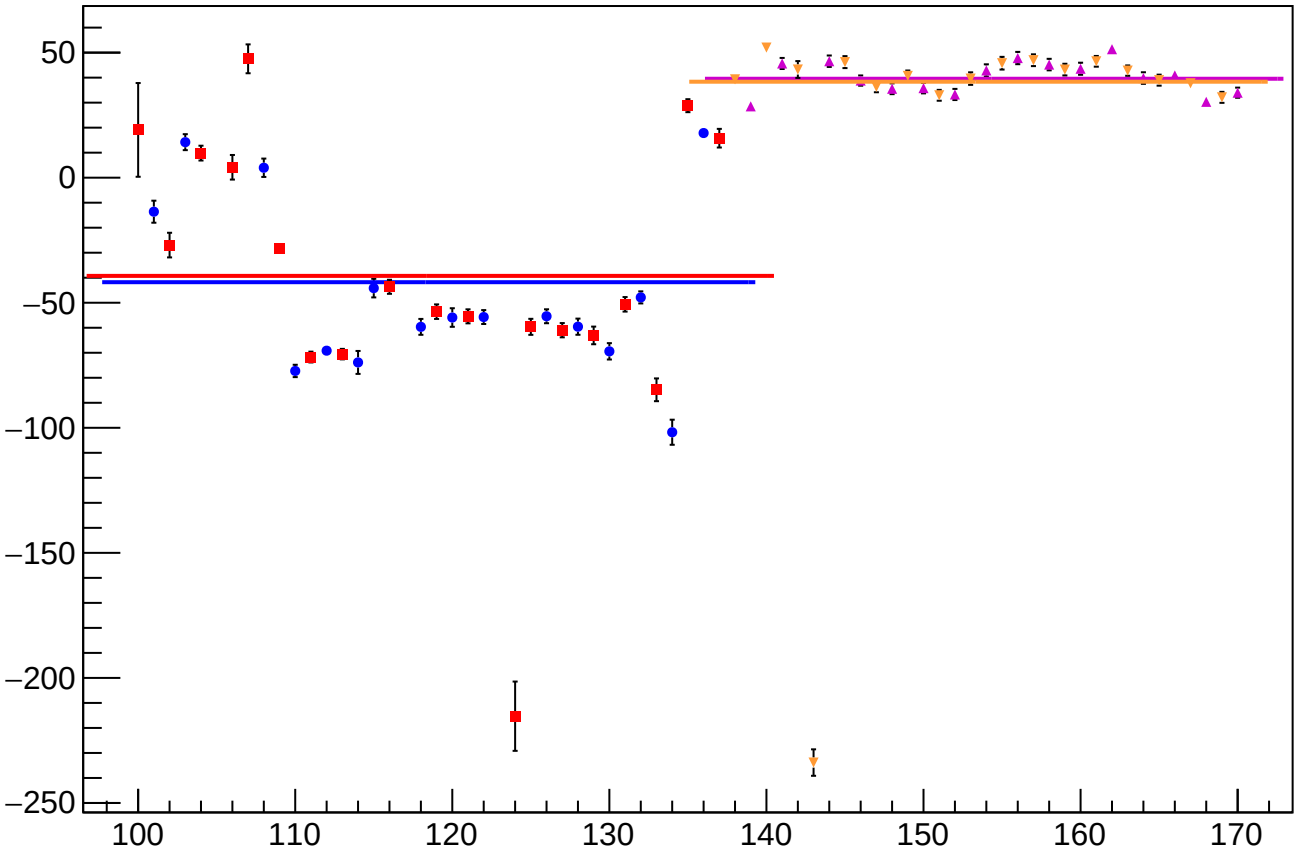
Left: -264.489+/-0.066 χ^2/NDF: 281079.1/32

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.351+/-0.080 χ^2/NDF:193342.1/31

Out: -249.691+/-0.077 χ^2/NDF:348715.7/35

All: -256.271+/-0.056 χ^2/NDF: 557130.1/67



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.369+/-0.551 χ^2/NDF:2771.7/16

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 39.553+/-0.538 χ^2/NDF:154.0/15

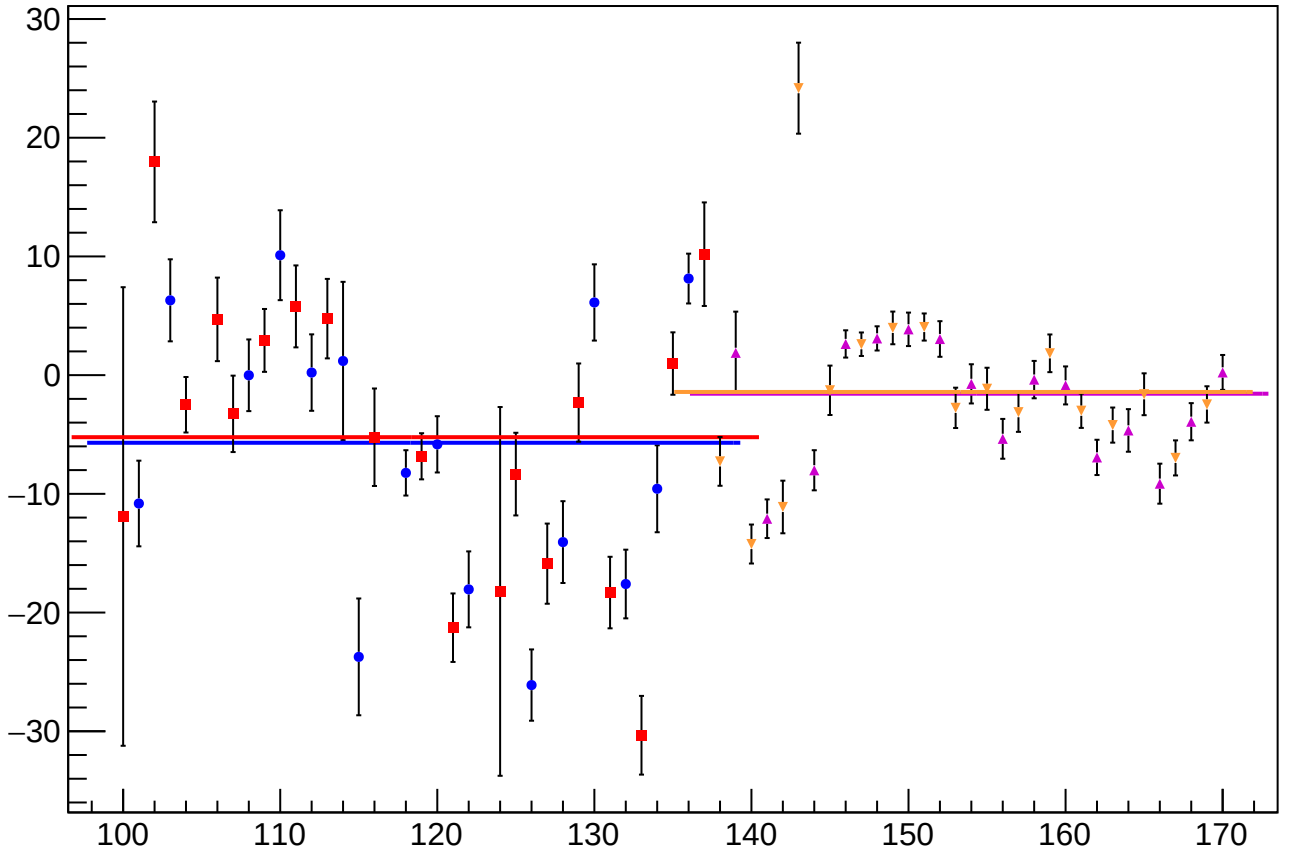
Left: 38.974+/-0.385 χ^2/NDF: 2928.1/32

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 10.552+/-0.432 χ^2/NDF:10701.1/31

Out: 7.613+/-0.428 χ^2/NDF:13128.5/35

All: 9.069+/-0.304 χ^2/NDF: 23853.0/67



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.417+/-0.378 χ^2/NDF:212.7/16

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -1.565+/-0.379 χ^2/NDF:162.0/15

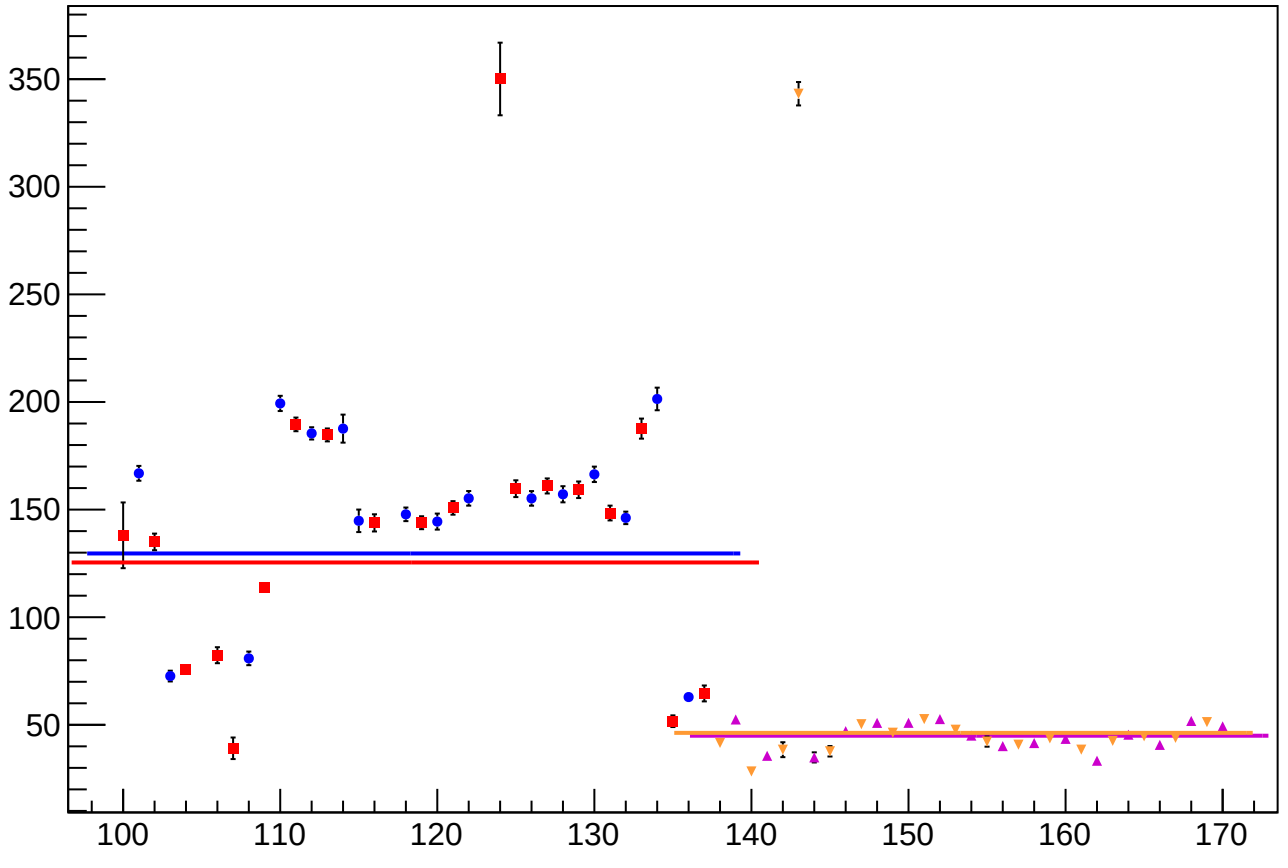
Left: -1.491+/-0.268 χ^2/NDF: 374.8/32

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.398+/-0.338 χ^2/NDF:382.8/31

Out: -2.206+/-0.337 χ^2/NDF:431.1/35

All: -2.302+/-0.239 χ^2/NDF: 814.0/67



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.264+/-0.536 χ^2/NDF:3132.2/16

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.939+/-0.524 χ^2/NDF:149.6/15

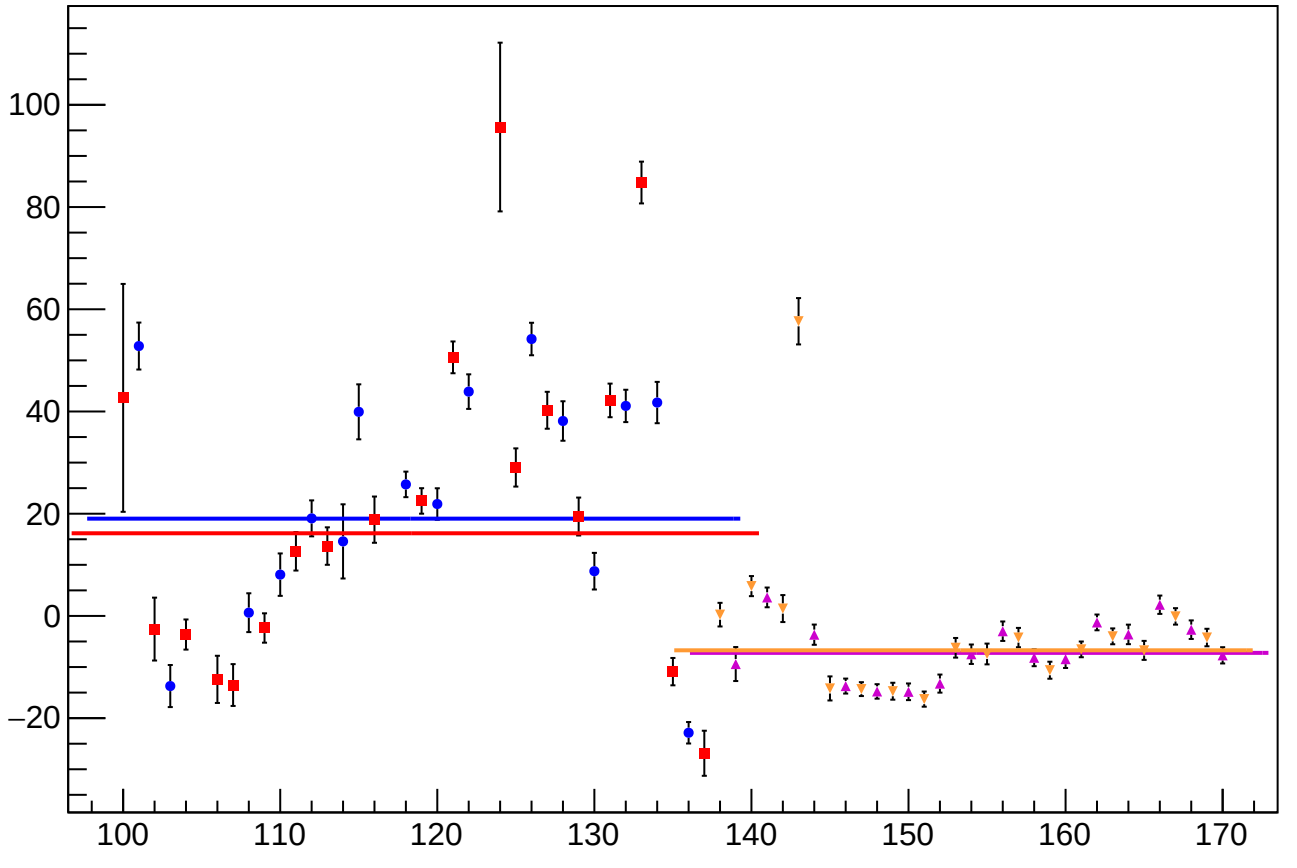
Left: 45.586+/-0.375 χ^2/NDF: 3284.9/32

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.315+/-0.438 χ^2/NDF:11608.8/31

Out: 71.237+/-0.444 χ^2/NDF:13514.1/35

All: 70.771+/-0.312 χ^2/NDF: 25125.1/67



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -6.726+/-0.439 χ^2/NDF:397.0/16

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -7.226+/-0.437 χ^2/NDF:174.9/15

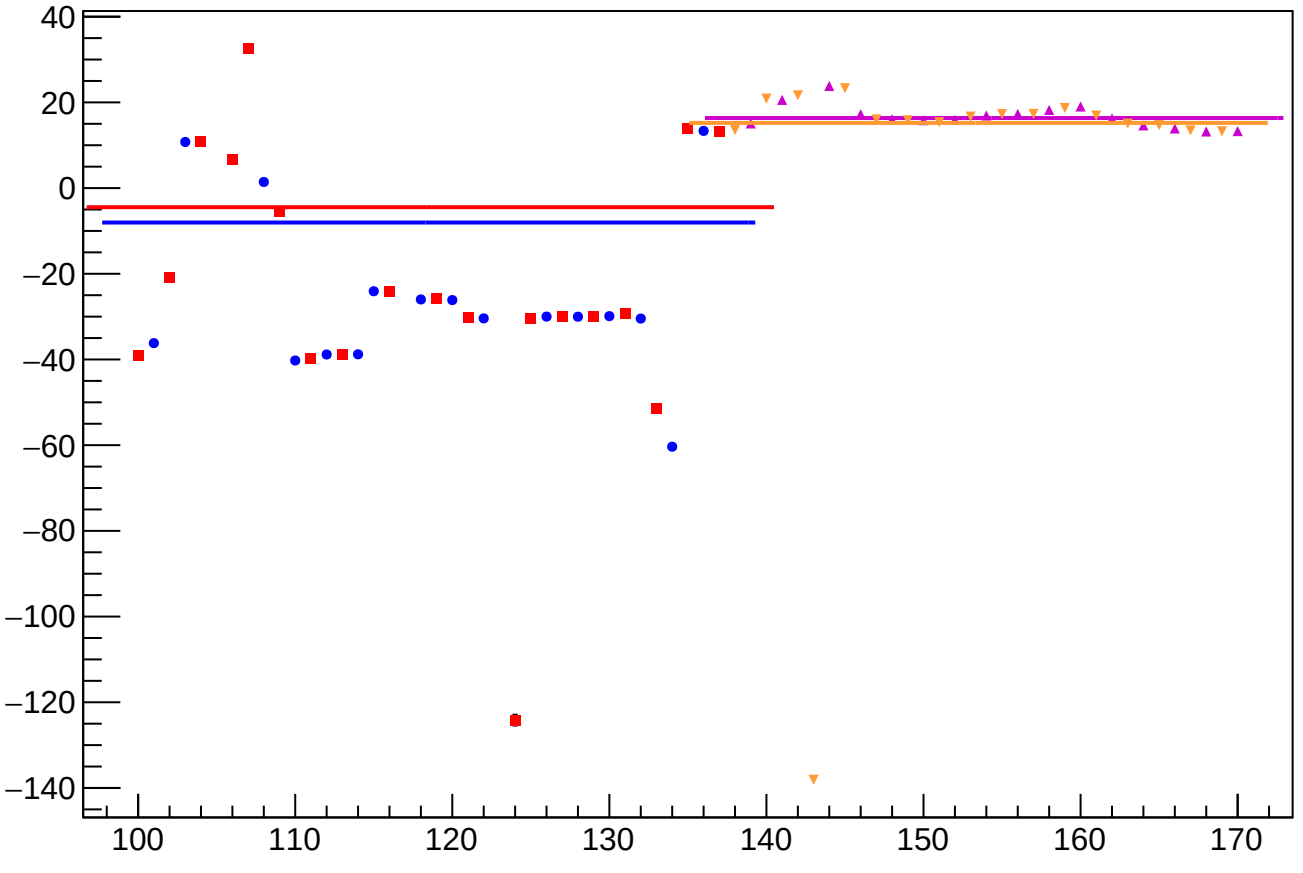
Left: -6.977+/-0.310 χ^2/NDF: 572.5/32

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.830+/-0.390 χ^2/NDF:1774.0/31

Out: -1.868+/-0.390 χ^2/NDF:1915.5/35

All: -1.849+/-0.276 χ^2/NDF: 3689.5/67



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.211+/-0.020 χ^2/NDF:477849.1/16

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 16.350+/-0.019 χ^2/NDF:14998.1/15

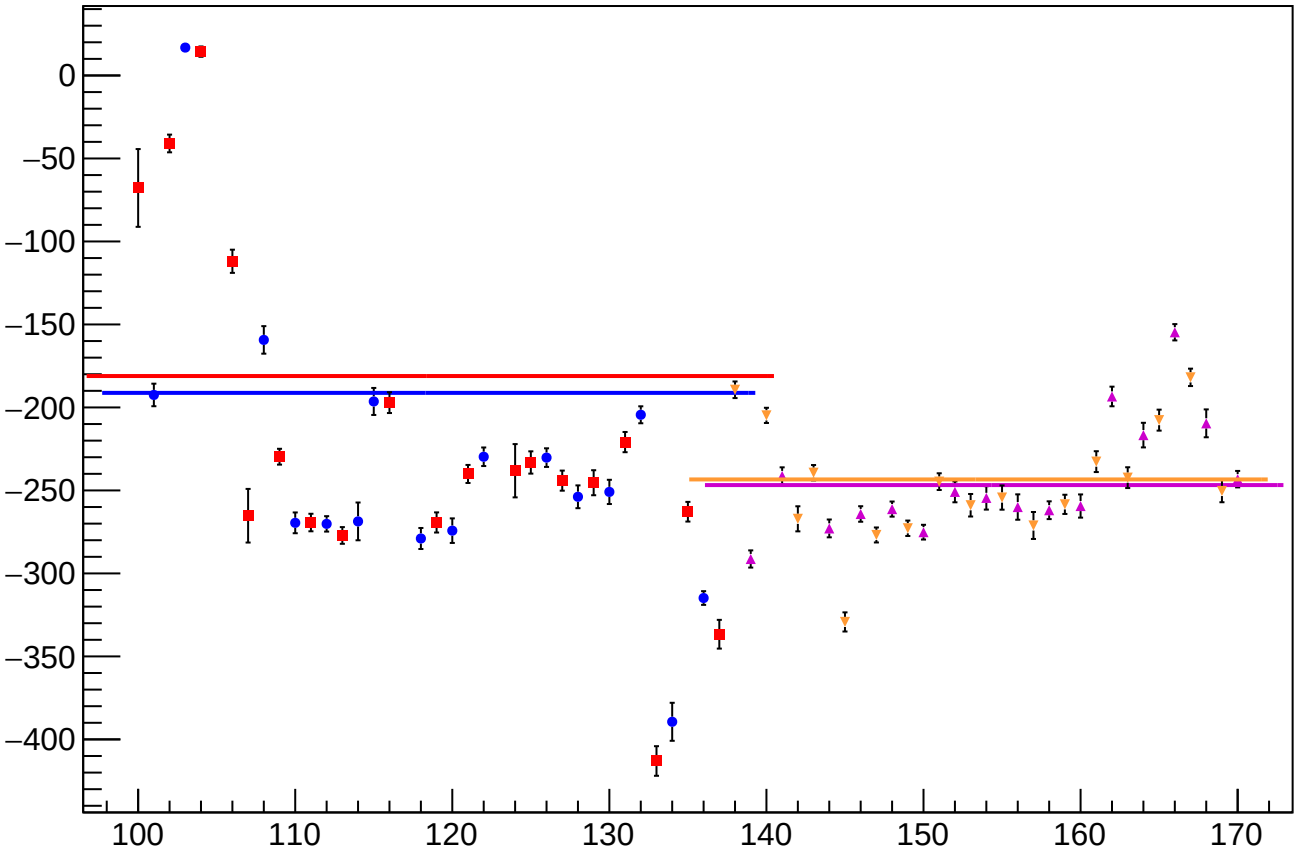
Left: 15.798+/-0.014 χ^2/NDF: 494511.2/32

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.628+/-0.018 χ^2/NDF:522862.7/31

Out: 12.163+/-0.018 χ^2/NDF:855593.5/35

All: 12.402+/-0.013 χ^2/NDF: 1378783.4/67



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -243.377+/-1.366 χ^2/NDF:714.5/16

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -246.776+/-1.394 χ^2/NDF:648.8/15

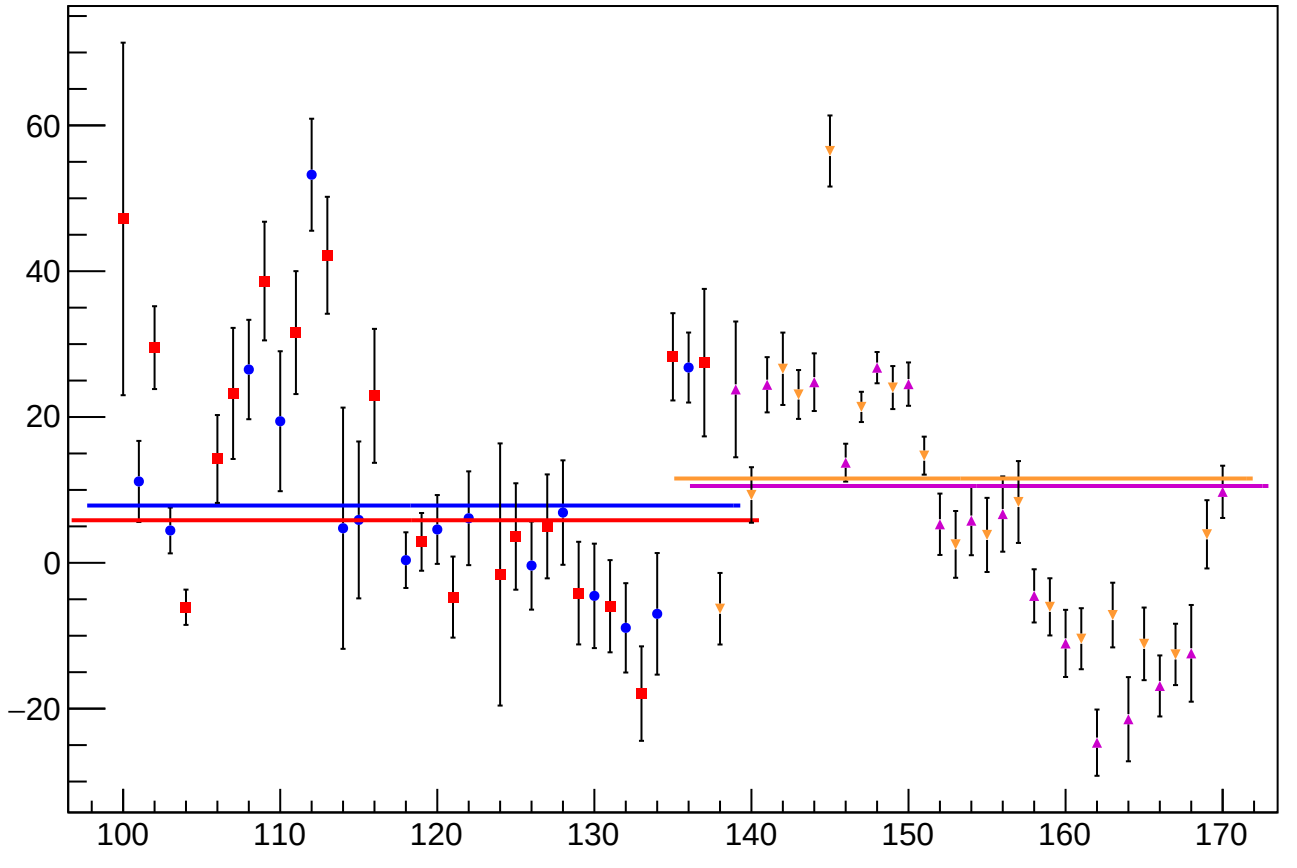
Left: -245.042+/-0.975 χ^2/NDF: 1366.4/32

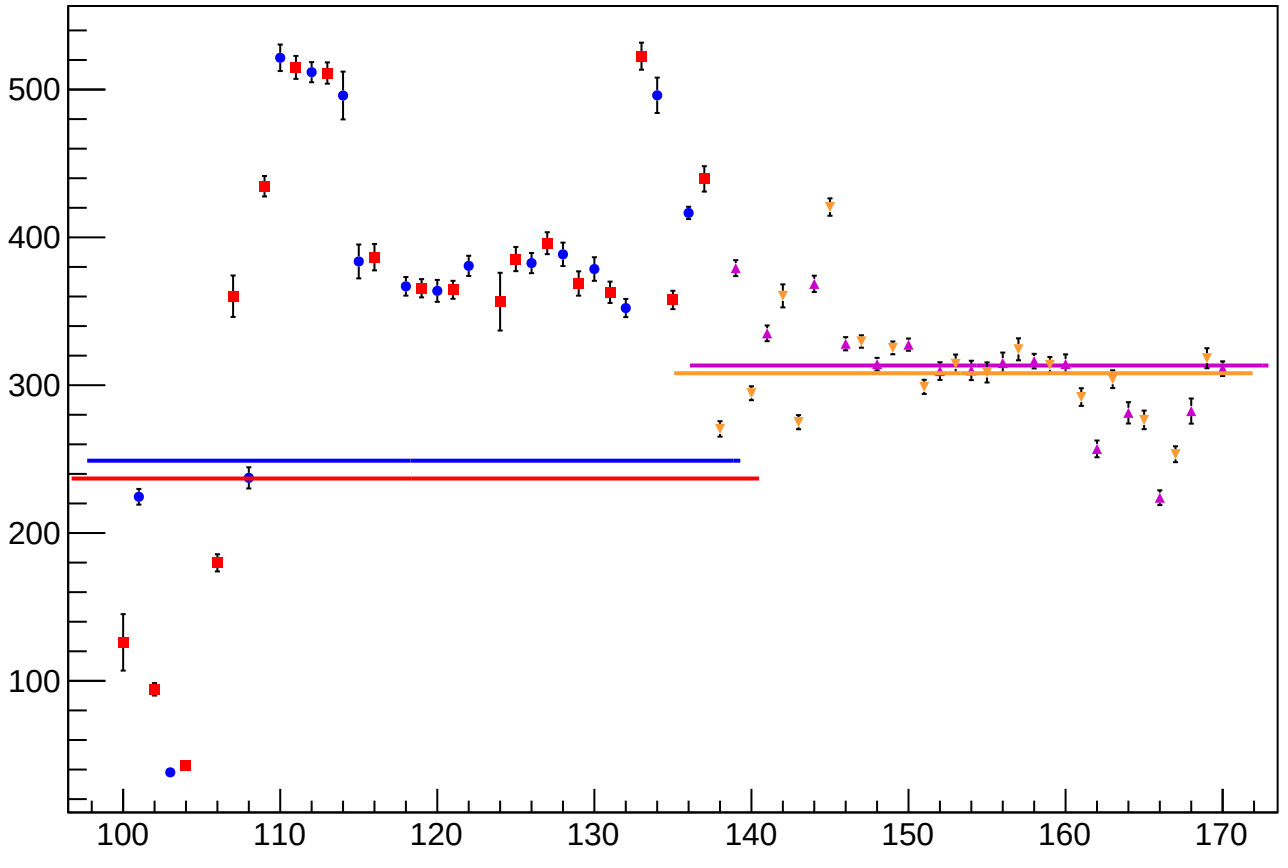
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.489+/-0.994 χ^2/NDF:8653.8/31

Out: -212.611+/-0.972 χ^2/NDF:9116.2/35

All: -215.971+/-0.695 χ^2/NDF: 17794.4/67


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 11.565+/-0.909 χ²/NDF:289.6/16
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 10.538+/-0.945 χ²/NDF:297.2/15
Left: 11.072+/-0.655 χ²/NDF: 587.4/32
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 9.731+/-0.789 χ²/NDF:380.5/31
Out: 9.789+/-0.755 χ²/NDF:443.8/35
All: 9.761+/-0.546 χ²/NDF: 824.3/67



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 308.097+/-1.334 χ^2/NDF:709.9/16

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 313.322+/-1.353 χ^2/NDF:739.4/15

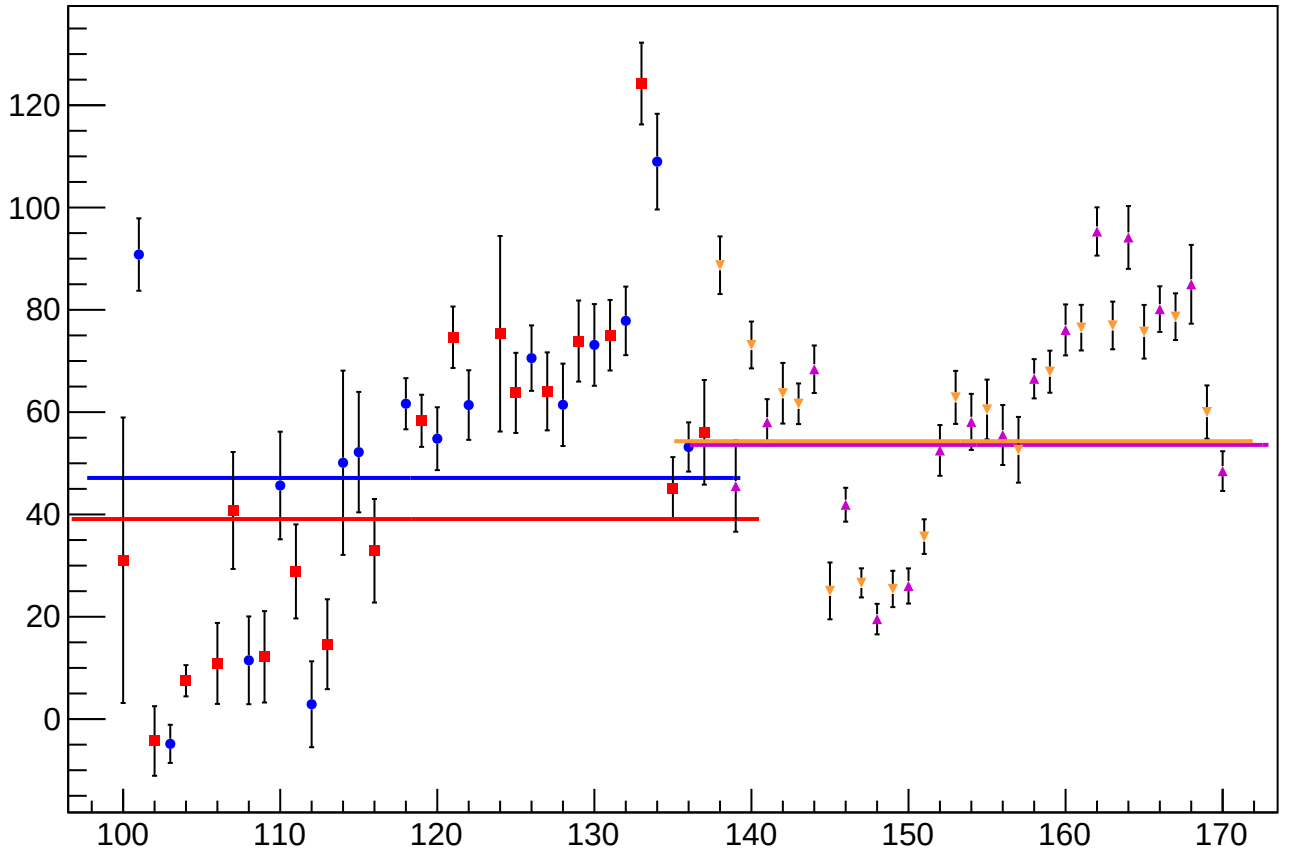
Left: 310.673+/-0.950 χ^2/NDF: 1456.9/32

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 282.715+/-0.980 χ^2/NDF:17117.8/31

Out: 274.364+/-0.968 χ^2/NDF:17716.7/35

All: 278.487+/-0.689 χ^2/NDF: 34871.3/67



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.322+/-1.078 χ^2/NDF:388.6/16

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 53.601+/-1.110 χ^2/NDF:426.9/15

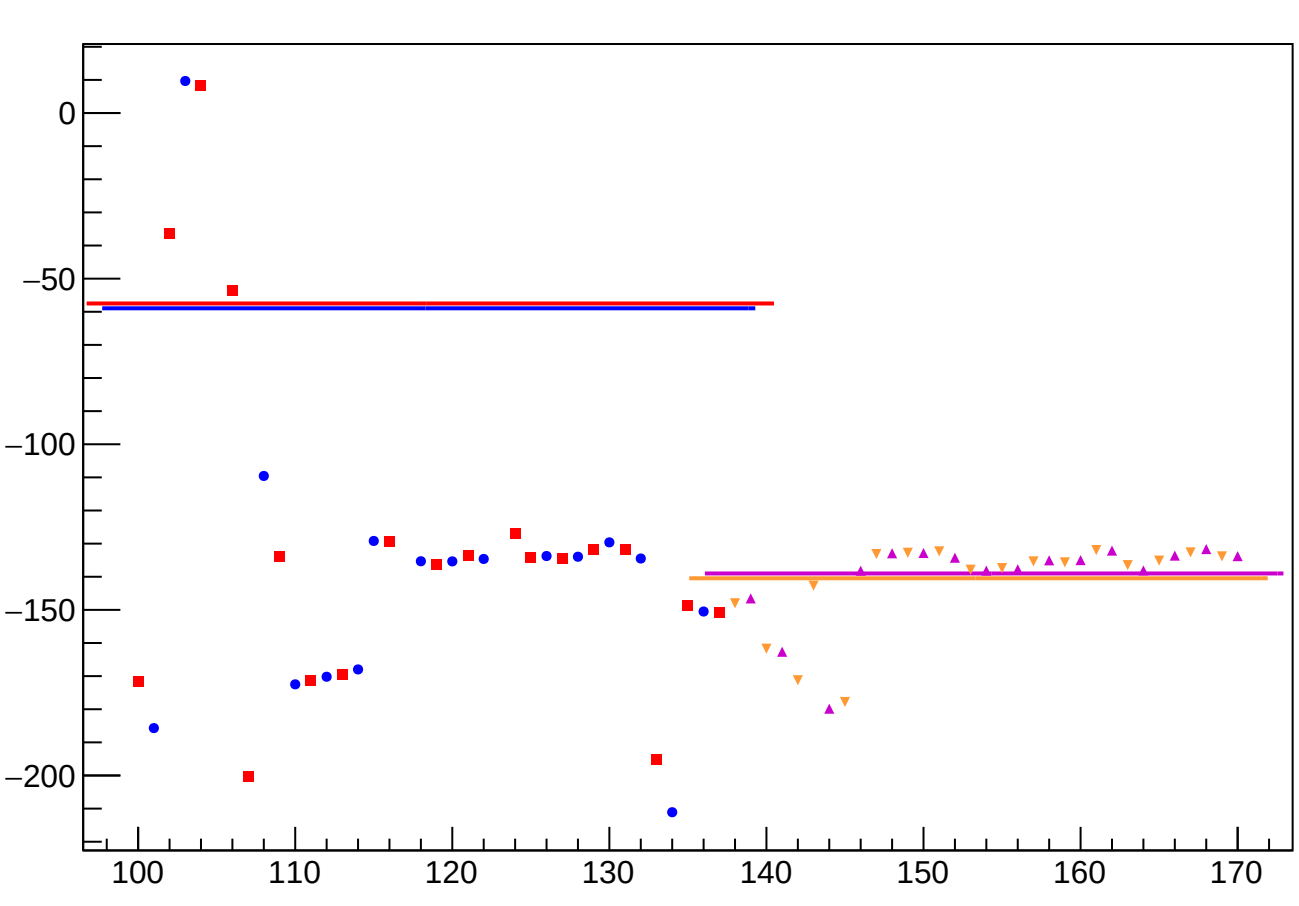
Left: 53.972+/-0.773 χ^2/NDF: 815.7/32

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.617+/-0.924 χ^2/NDF:822.6/31

Out: 49.556+/-0.893 χ^2/NDF:867.5/35

All: 50.552+/-0.642 χ^2/NDF: 1692.7/67



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -140.459+/-0.052 χ^2/NDF:58001.2/16

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -139.008+/-0.051 χ^2/NDF:47745.9/15

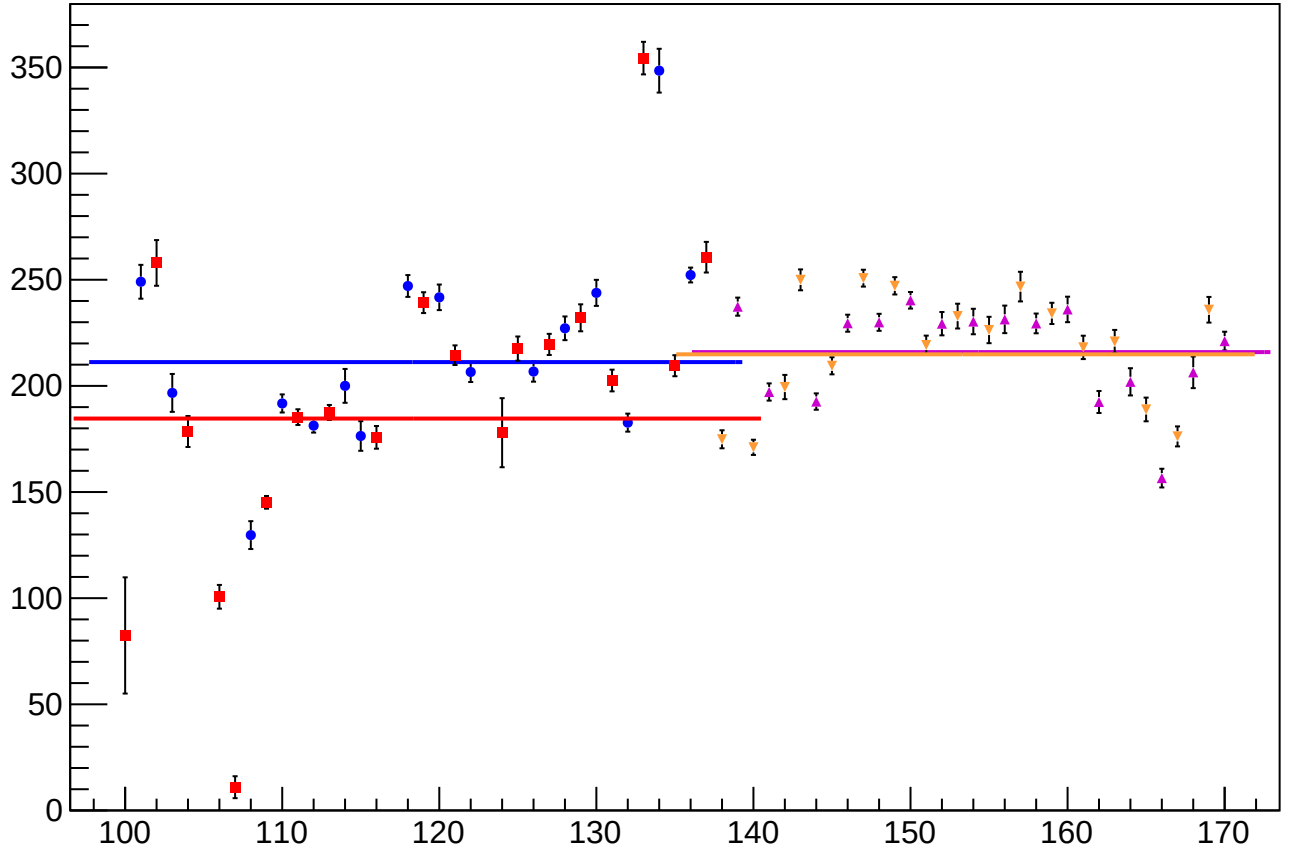
Left: -139.731+/-0.036 χ^2/NDF: 106145.5/32

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -112.344+/-0.042 χ^2/NDF:2085531.5/31

Out: -113.512+/-0.042 χ^2/NDF:1771989.2/35

All: -112.922+/-0.030 χ^2/NDF: 3857905.4/67



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.874+/-1.172 χ^2/NDF:594.5/16

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 215.914+/-1.183 χ^2/NDF:393.0/15

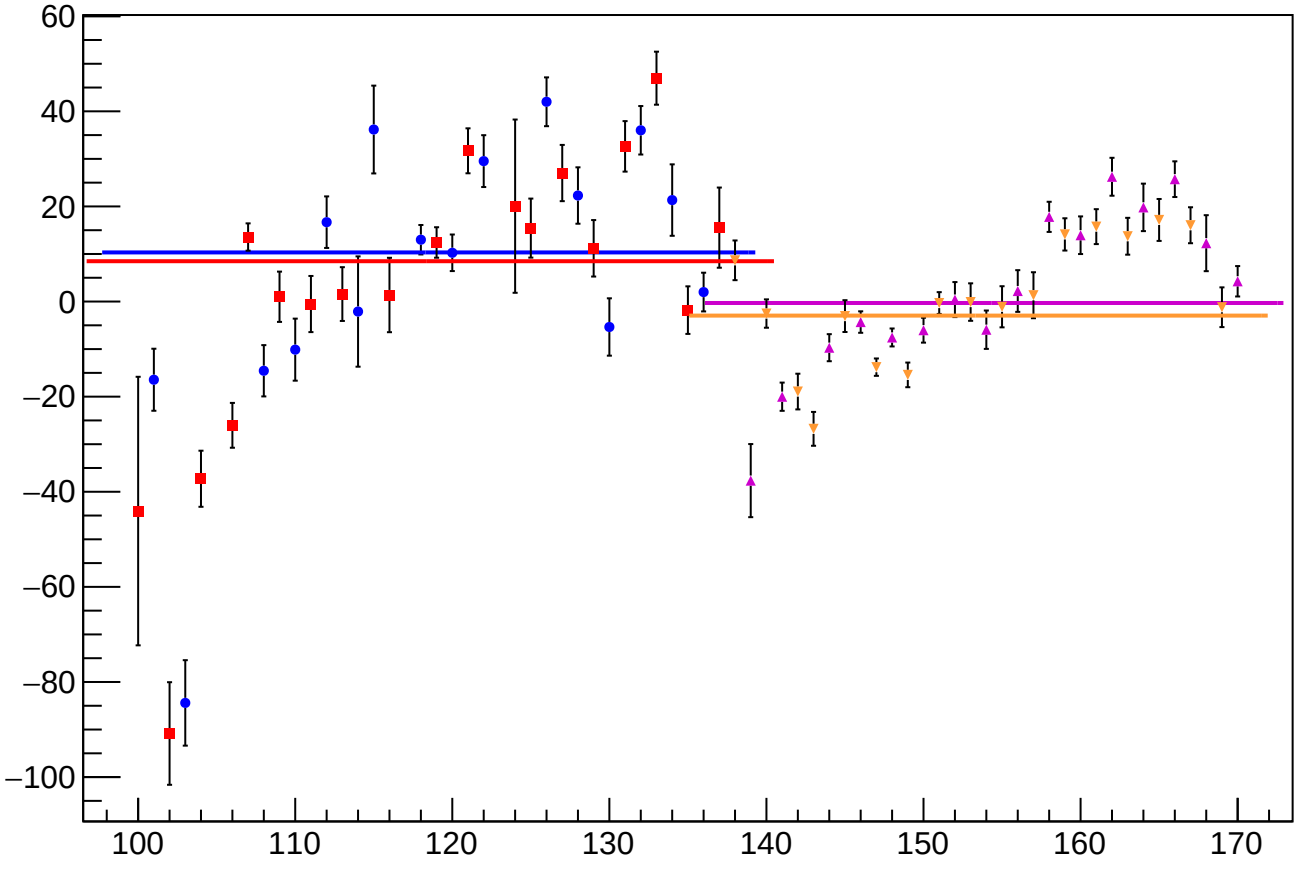
Left: 215.389+/-0.833 χ^2/NDF: 987.9/32

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.775+/-0.874 χ^2/NDF:1183.2/31

Out: 200.021+/-0.836 χ^2/NDF:3462.0/35

All: 206.597+/-0.604 χ^2/NDF: 4774.4/67



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -2.956+/-0.787 χ^2/NDF:247.9/16

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -0.304+/-0.809 χ^2/NDF:264.5/15

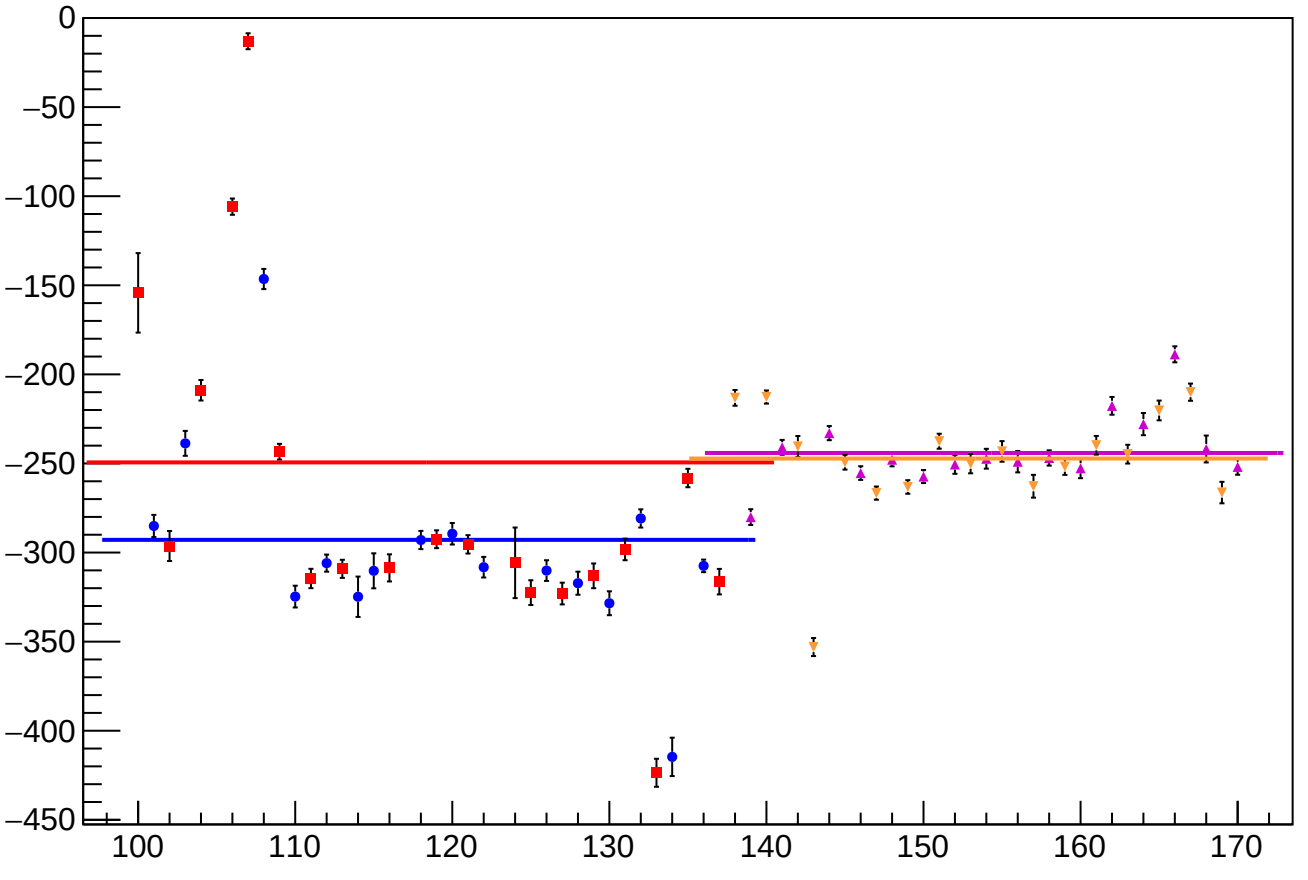
Left: -1.667+/-0.564 χ^2/NDF: 517.9/32

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.559+/-0.692 χ^2/NDF:574.3/31

Out: 0.386+/-0.662 χ^2/NDF:631.9/35

All: 1.425+/-0.478 χ^2/NDF: 1211.4/67



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -247.241+/-1.147 χ^2/NDF:738.5/16

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -244.108+/-1.152 χ^2/NDF:292.5/15

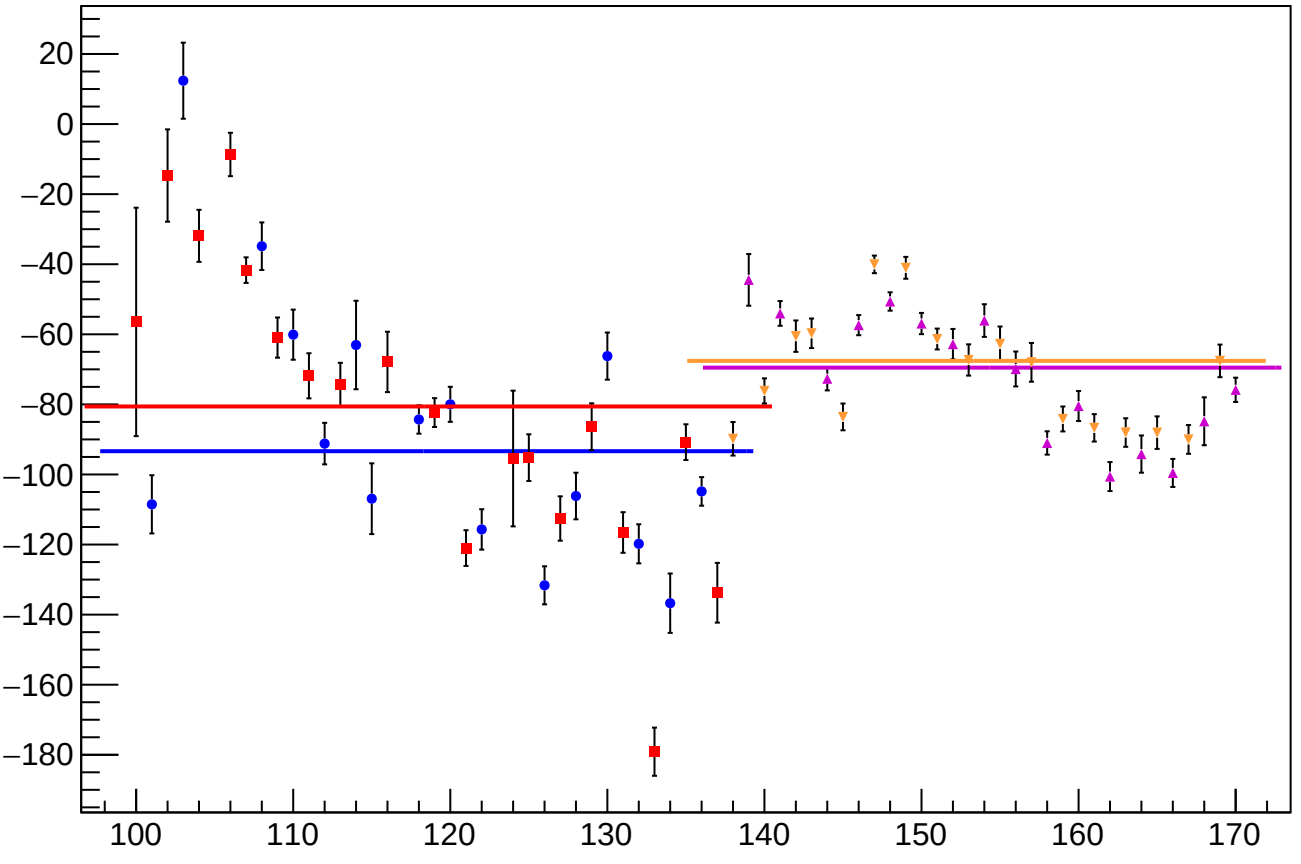
Left: -245.681+/-0.813 χ^2/NDF: 1034.7/32

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -262.703+/-0.906 χ^2/NDF:1959.1/31

Out: -248.135+/-0.879 χ^2/NDF:6108.4/35

All: -255.200+/-0.631 χ^2/NDF: 8200.6/67



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.585+/-0.932 χ^2/NDF:369.6/16

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -69.512+/-0.950 χ^2/NDF:320.1/15

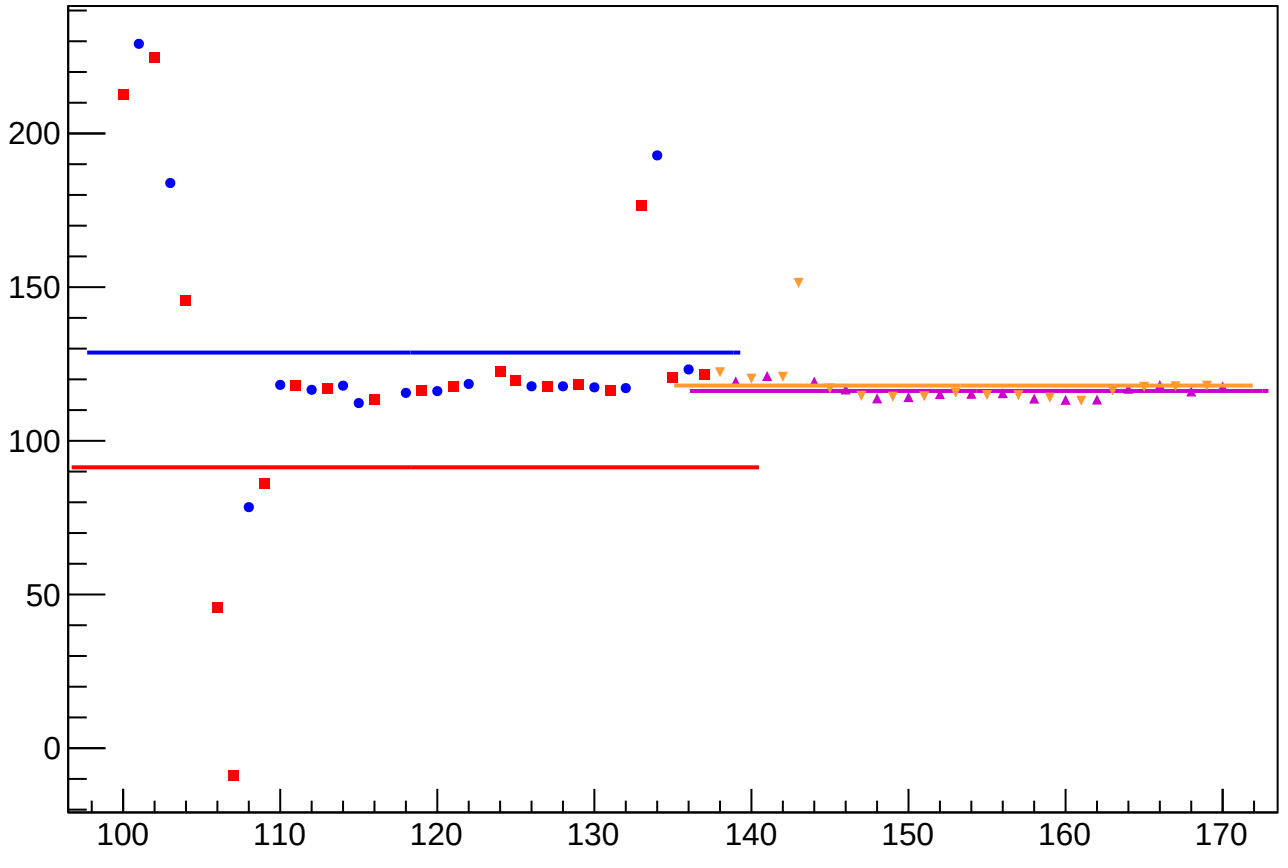
Left: -68.530+/-0.665 χ^2/NDF: 691.8/32

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.115+/-0.807 χ^2/NDF:850.1/31

Out: -71.486+/-0.780 χ^2/NDF:1143.4/35

All: -73.720+/-0.561 χ^2/NDF: 2010.4/67



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.983+/-0.044 χ^2/NDF:29406.0/16

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.227+/-0.044 χ^2/NDF:2922.4/15

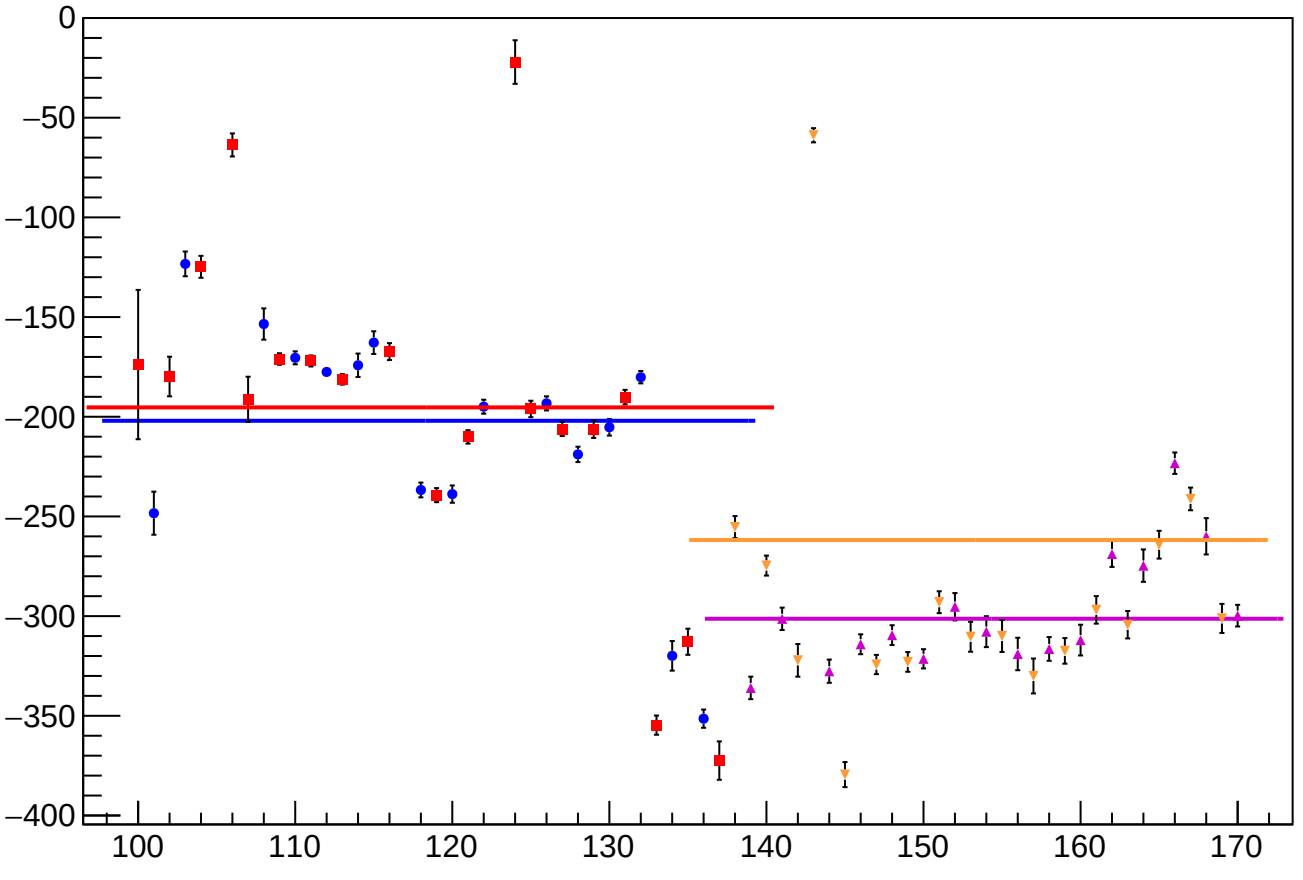
Left: 117.095+/-0.031 χ^2/NDF: 33121.3/32

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.661+/-0.039 χ^2/NDF:202248.7/31

Out: 111.618+/-0.039 χ^2/NDF:720416.0/35

All: 115.078+/-0.028 χ^2/NDF: 938958.3/67



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.809+/-1.426 χ^2/NDF:4341.0/16

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -301.318+/-1.518 χ^2/NDF:366.7/15

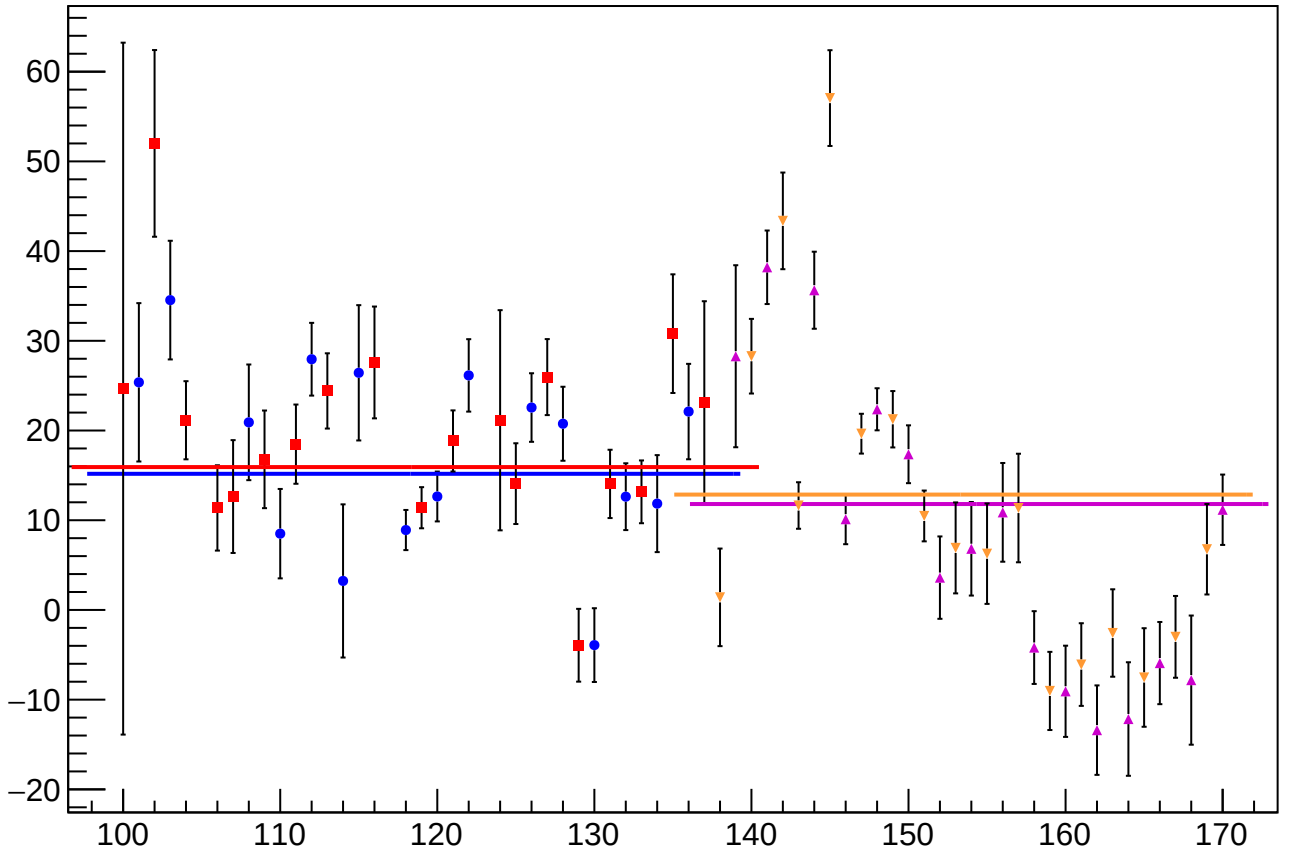
Left: -280.320+/-1.039 χ^2/NDF: 5067.6/32

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.068+/-0.849 χ^2/NDF:5346.8/31

Out: -216.476+/-0.804 χ^2/NDF:8925.1/35

All: -224.323+/-0.584 χ^2/NDF: 14473.2/67



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 12.860+/-0.954 χ^2/NDF:218.6/16

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 11.806+/-1.029 χ^2/NDF:197.4/15

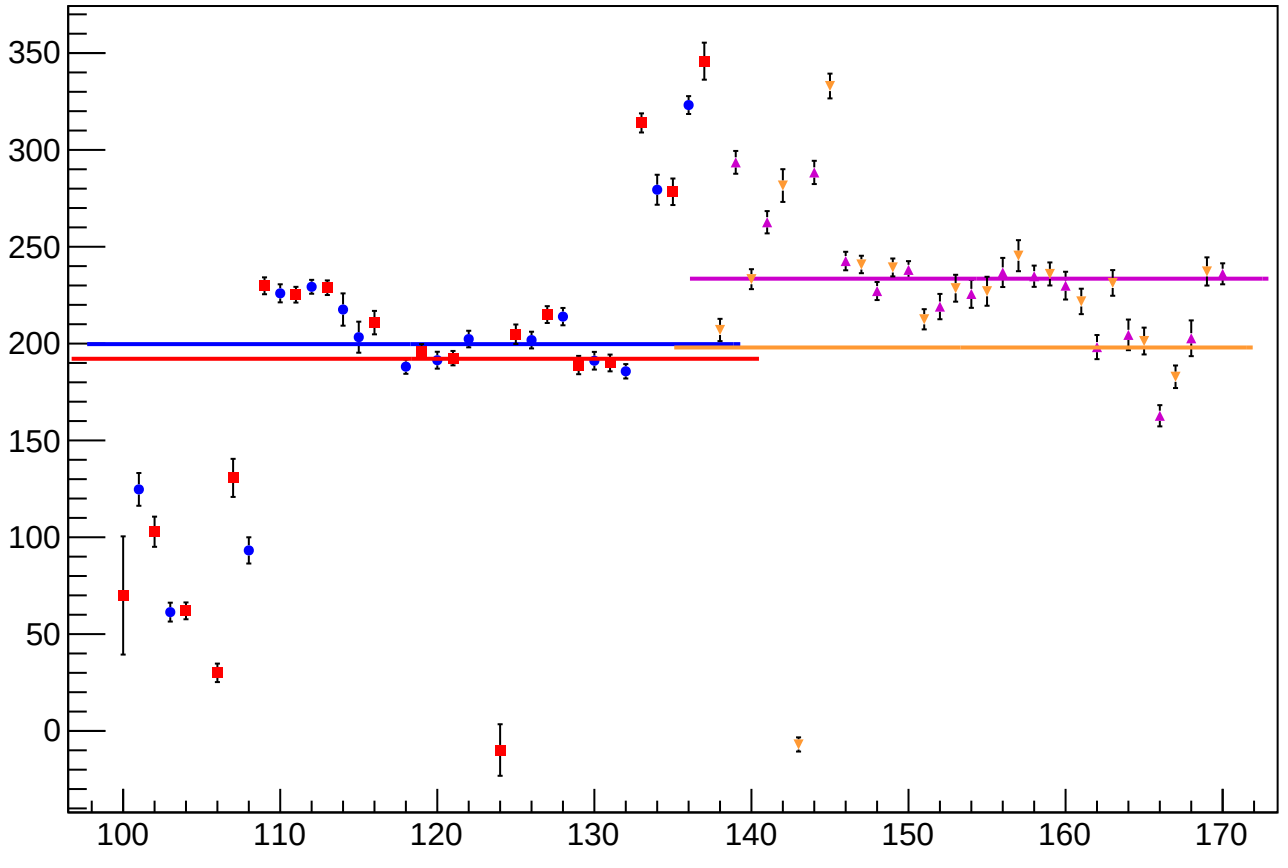
Left: 12.373+/-0.699 χ^2/NDF: 416.5/32

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.460+/-0.734 χ^2/NDF:275.0/31

Out: 14.265+/-0.702 χ^2/NDF:286.9/35

All: 13.880+/-0.507 χ^2/NDF: 562.5/67



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.988+/-1.398 χ^2/NDF:4091.9/16

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 233.514+/-1.474 χ^2/NDF:450.0/15

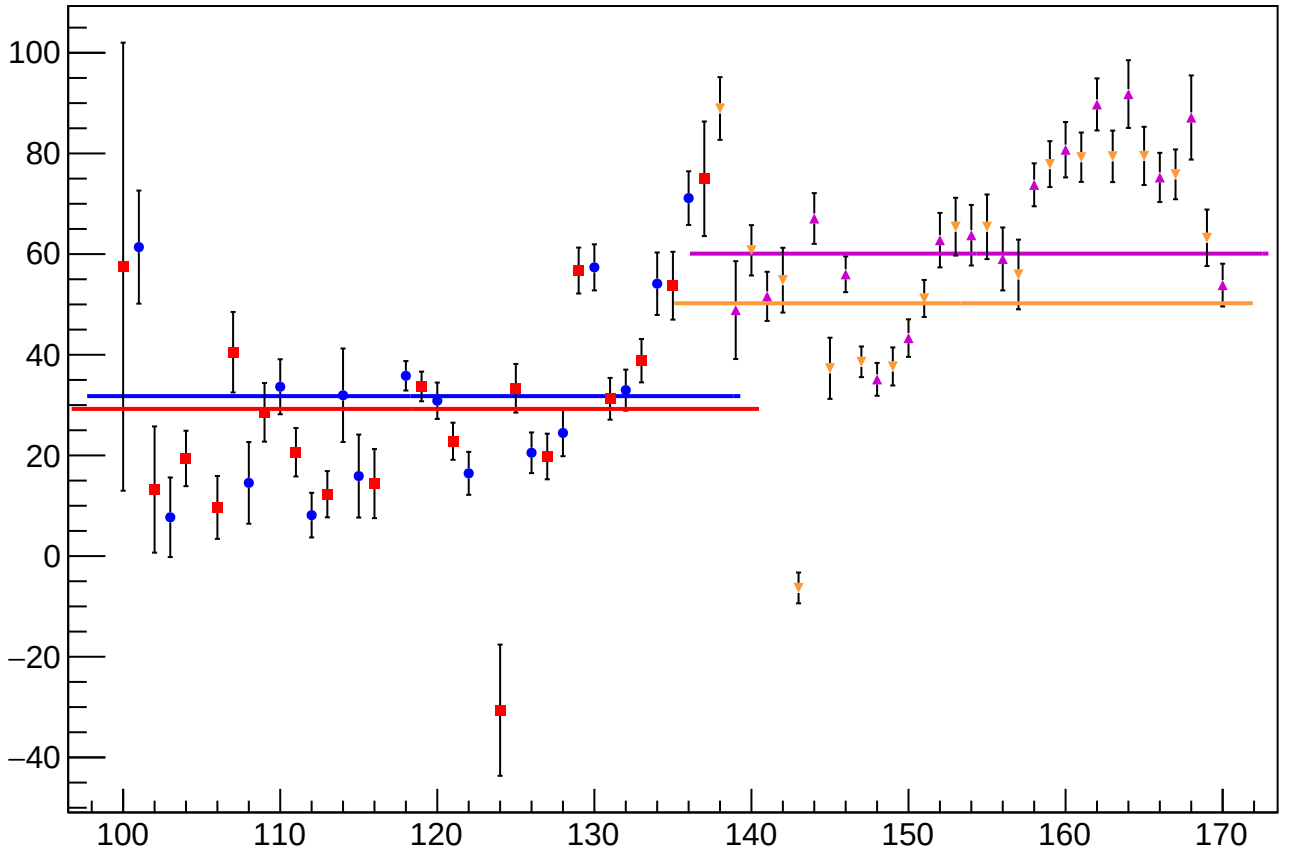
Left: 214.808+/-1.014 χ^2/NDF: 4847.6/32

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 213.129+/-0.929 χ^2/NDF:2868.5/31

Out: 194.511+/-0.888 χ^2/NDF:7879.4/35

All: 203.407+/-0.642 χ^2/NDF: 10957.8/67



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 50.233+/-1.131 χ^2/NDF:591.0/16

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.097+/-1.210 χ^2/NDF:188.7/15

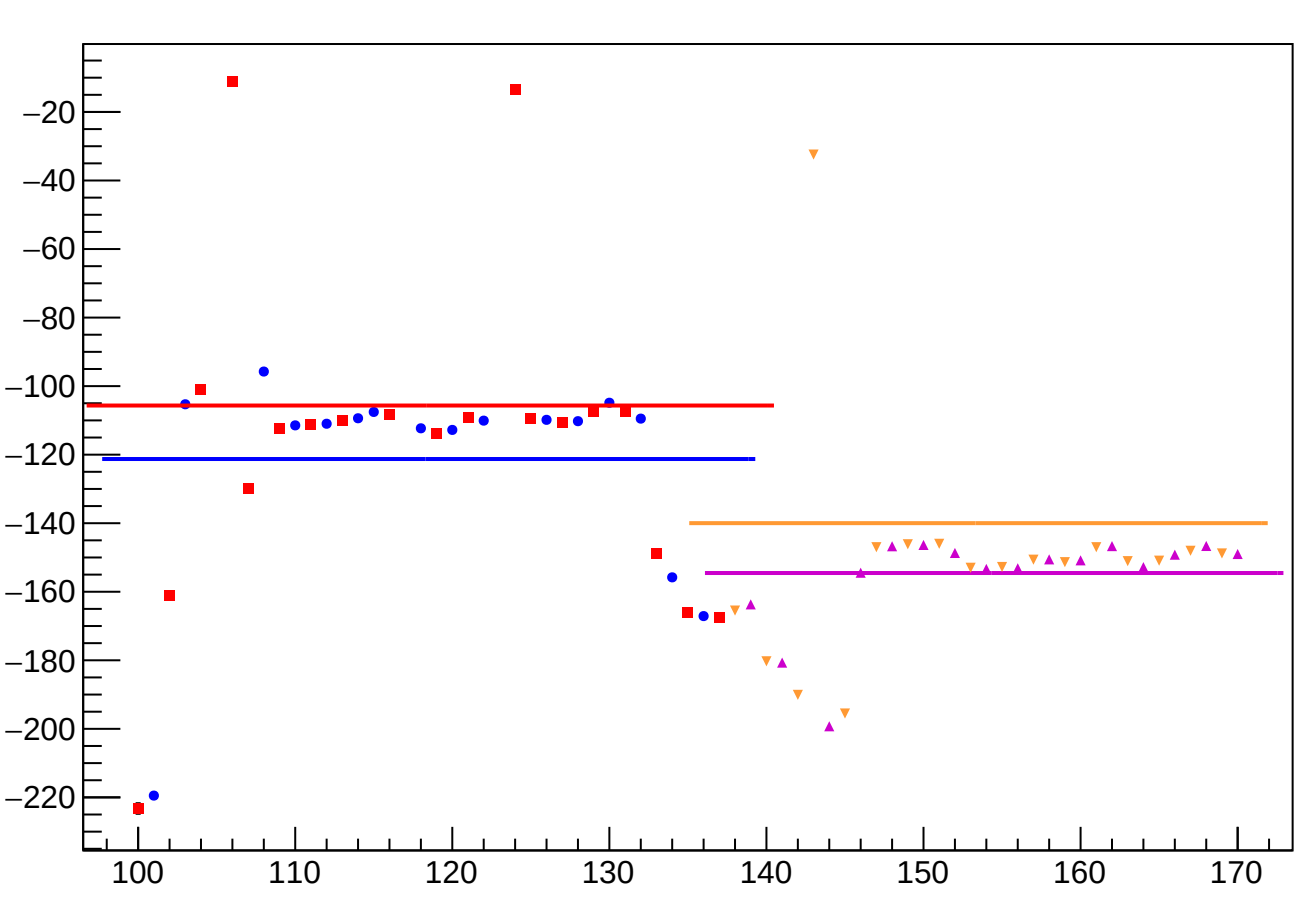
Left: 54.836+/-0.826 χ^2/NDF: 815.2/32

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.020+/-0.858 χ^2/NDF:638.1/31

Out: 40.326+/-0.822 χ^2/NDF:894.3/35

All: 43.052+/-0.594 χ^2/NDF: 1555.4/67



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.982+/-0.054 χ^2/NDF:633667.7/16

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -154.532+/-0.056 χ^2/NDF:50107.5/15

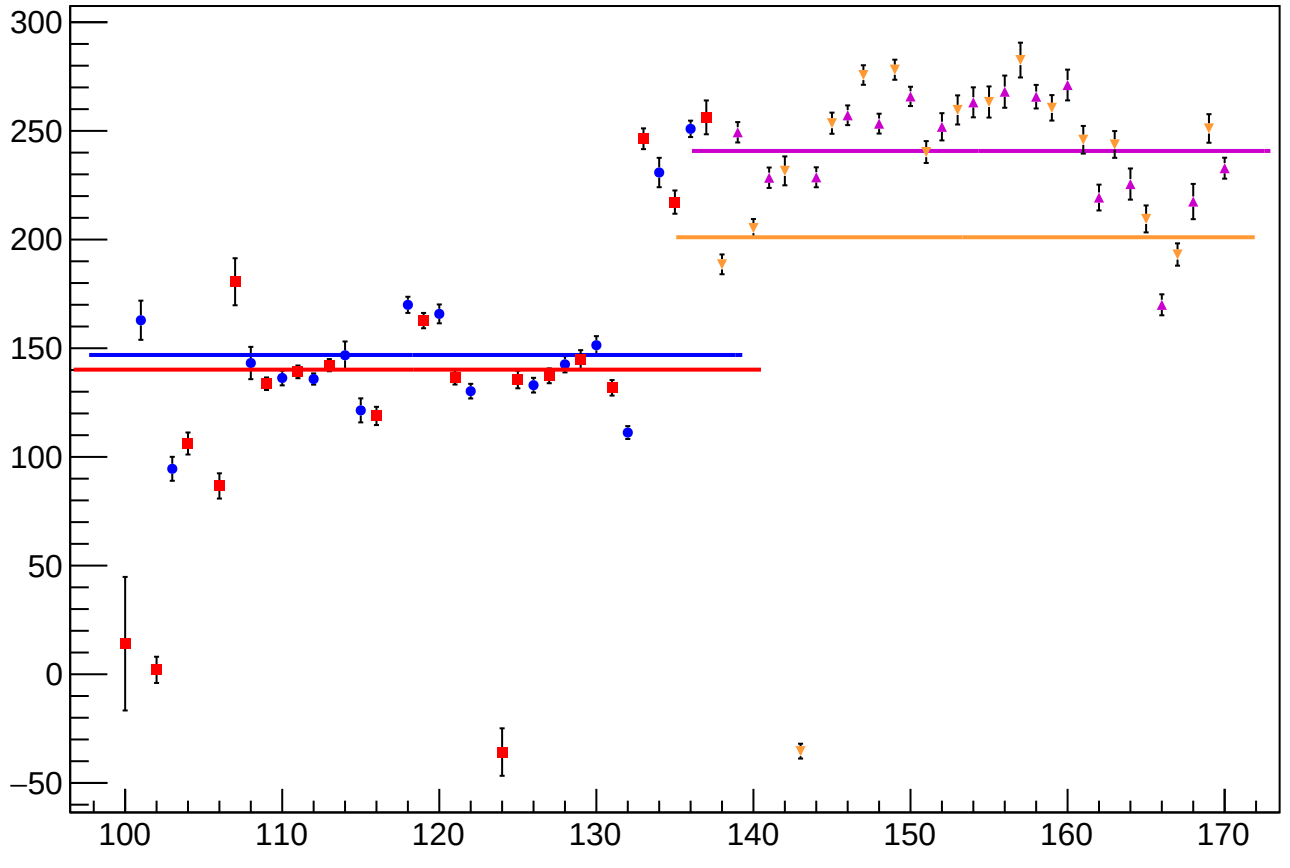
Left: -147.036+/-0.039 χ^2/NDF: 718623.7/32

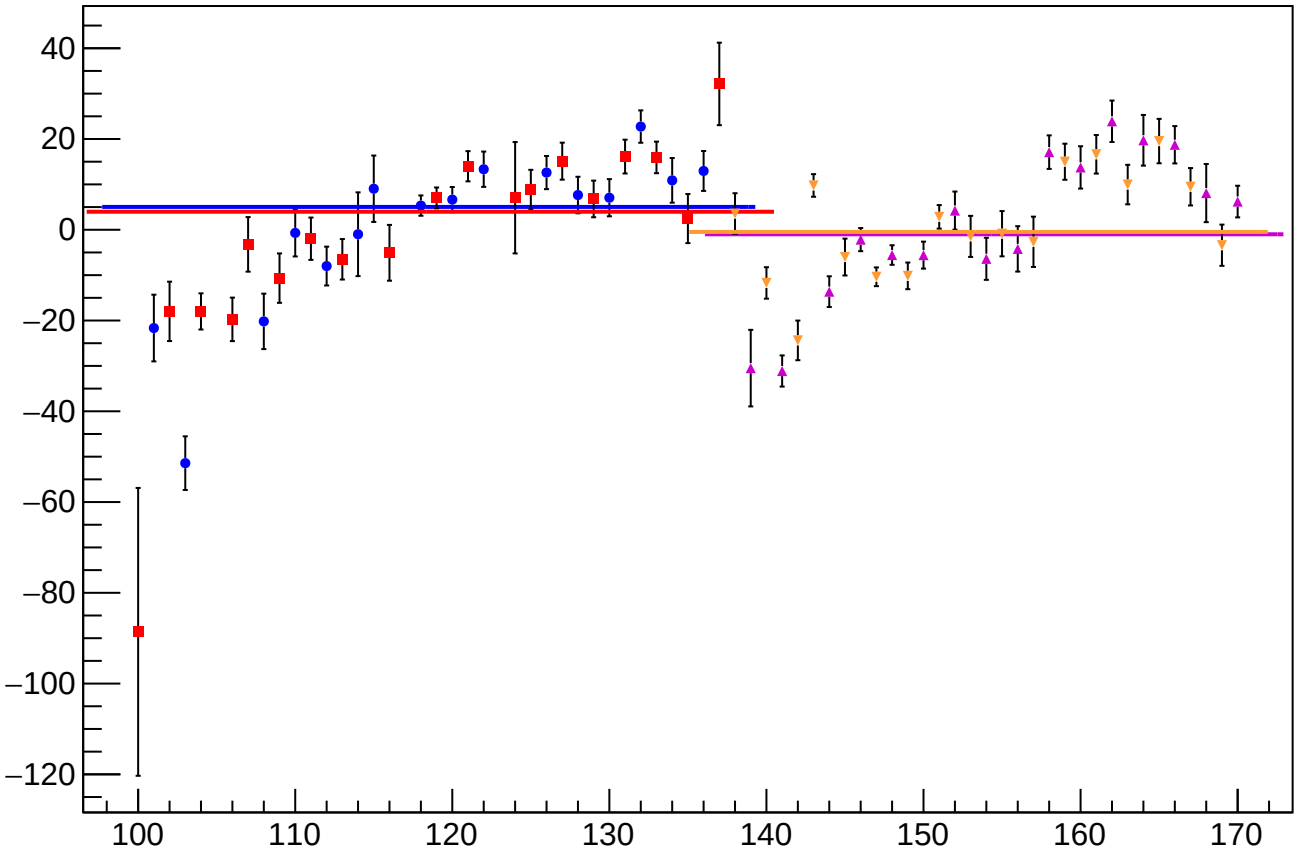
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -143.464+/-0.046 χ^2/NDF:287144.9/31

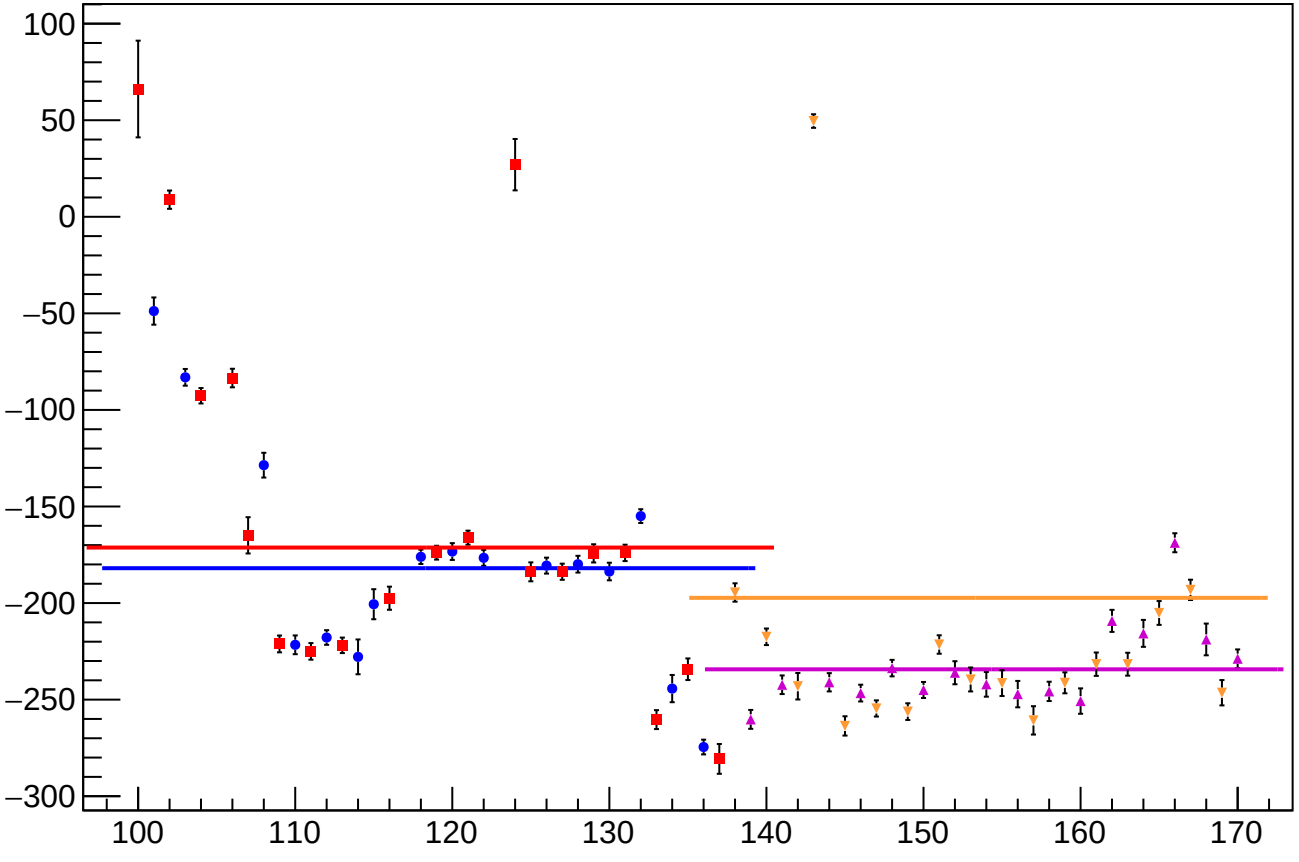
Out: -128.125+/-0.044 χ^2/NDF:1126925.2/35

All: -135.488+/-0.032 χ^2/NDF: 1472652.7/67


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: 201.067+/-1.274 χ²/NDF:6061.5/16
Right Out: 140.153+/-0.960 χ²/NDF: 1950.6/18
Left In: 240.770+/-1.344 χ²/NDF:380.2/15
Left: 219.845+/-0.925 χ²/NDF: 6901.4/32
Right: 143.381+/-0.694 χ²/NDF: 3276.2/34
In: 180.483+/-0.804 χ²/NDF:4813.3/31
Out: 162.226+/-0.767 χ²/NDF:9470.9/35
All: 170.919+/-0.555 χ²/NDF: 14554.2/67


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -0.474+/-0.862 χ²/NDF:155.7/16
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -0.995+/-0.922 χ²/NDF:220.3/15
Left: -0.717+/-0.629 χ²/NDF: 376.2/32
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.714+/-0.684 χ²/NDF:411.4/31
Out: 1.395+/-0.656 χ²/NDF:311.8/35
All: 1.548+/-0.473 χ²/NDF: 723.3/67

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -197.296+/-1.252 χ^2/NDF:5924.9/16

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -234.302+/-1.310 χ^2/NDF:272.7/15

Left: -214.971+/-0.905 χ^2/NDF: 6614.8/32

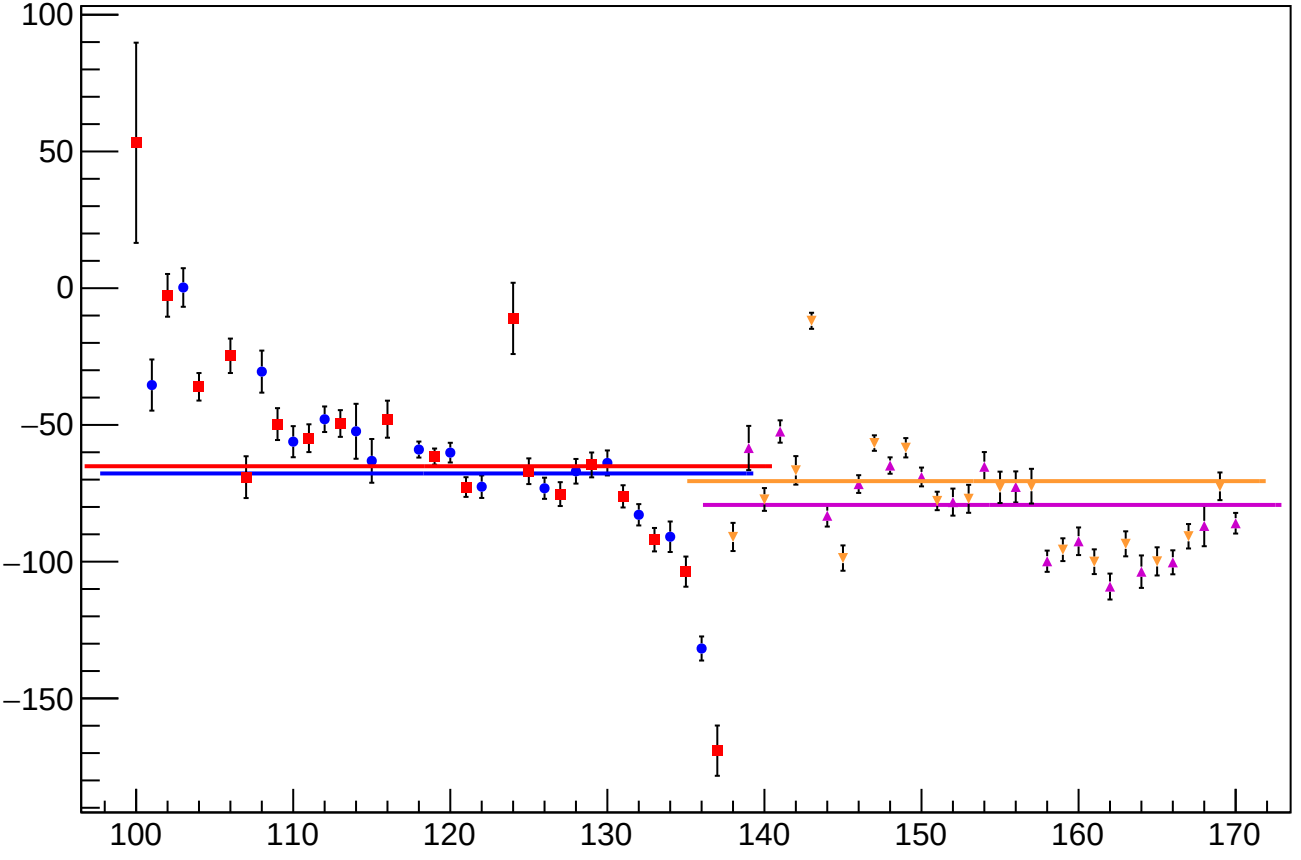
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.830+/-0.866 χ^2/NDF:3042.9/31

Out: -182.730+/-0.831 χ^2/NDF:9795.0/35

All: -193.328+/-0.600 χ^2/NDF: 13176.9/67

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -70.552+/-1.020 χ^2/NDF:652.8/16

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -79.253+/-1.081 χ^2/NDF:215.1/15

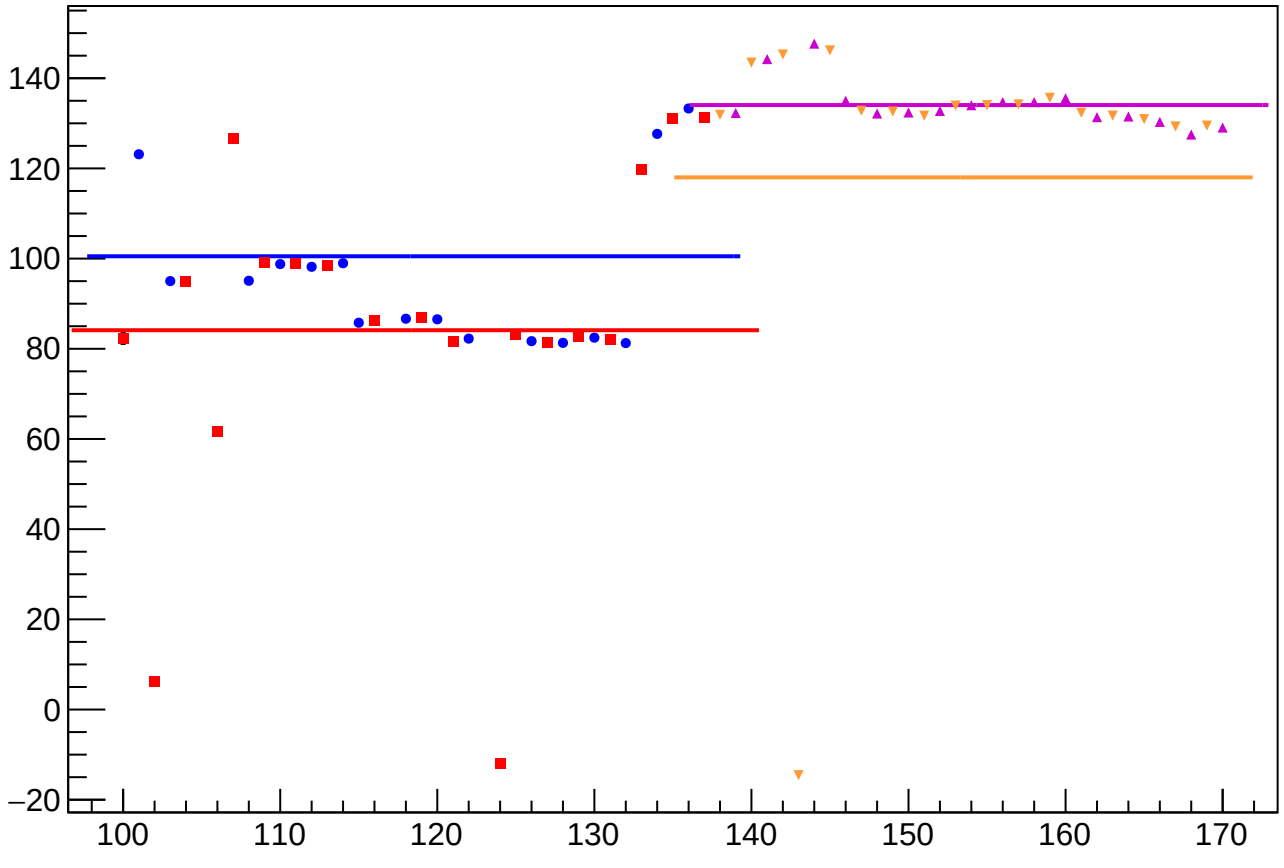
Left: -74.648+/-0.742 χ^2/NDF: 902.2/32

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -74.005+/-0.798 χ^2/NDF:680.8/31

Out: -68.192+/-0.768 χ^2/NDF:1094.2/35

All: -70.988+/-0.553 χ^2/NDF: 1802.6/67



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 118.006+/-0.049 χ^2/NDF:937017.2/16

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 134.052+/-0.050 χ^2/NDF:9286.3/15

Left: 125.840+/-0.035 χ^2/NDF: 999467.1/32

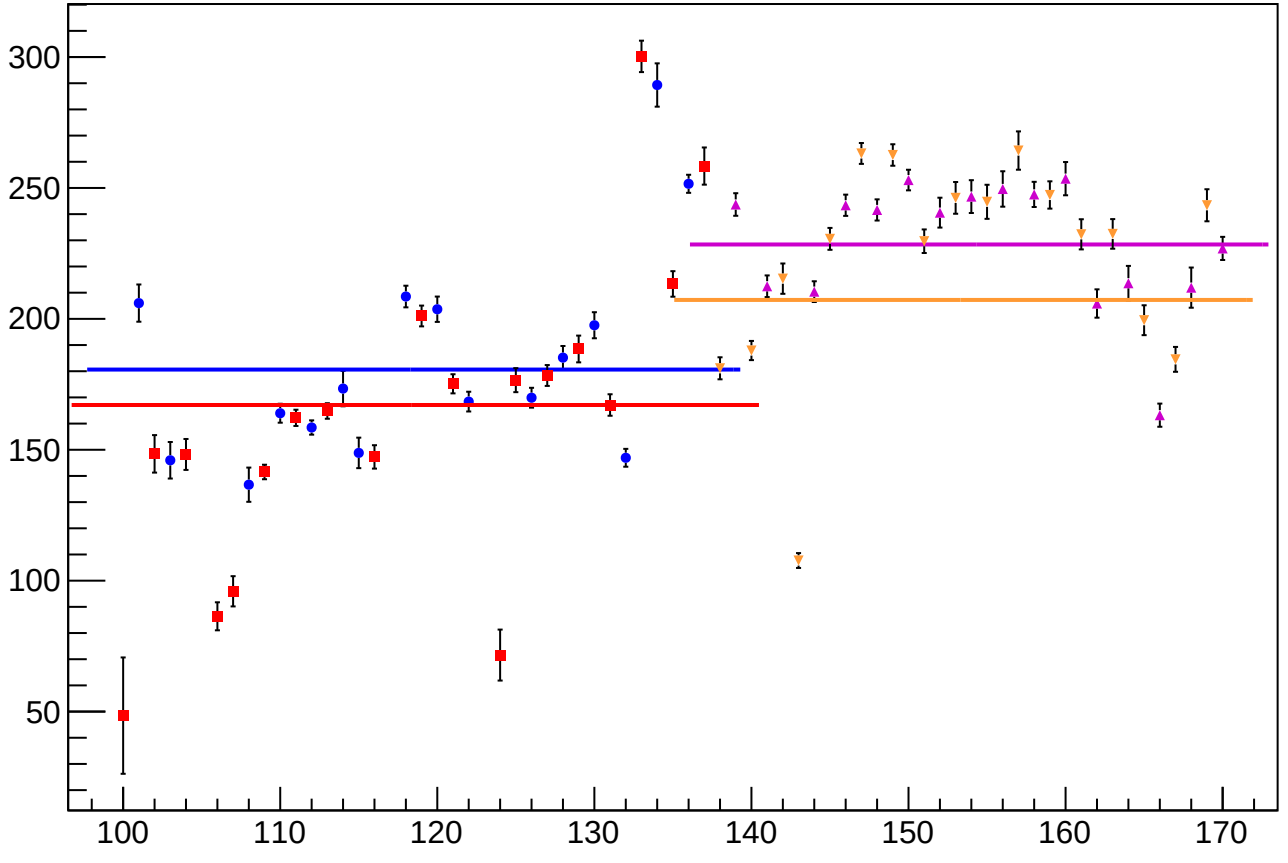
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 123.596+/-0.041 χ^2/NDF:218225.2/31

Out: 106.805+/-0.040 χ^2/NDF:1361350.0/35

All: 114.887+/-0.029 χ^2/NDF: 1665301.5/67

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: 207.229+/-1.130 χ^2/NDF:2022.4/16

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

Left: 217.114+/-0.825 χ^2/NDF: 2596.8/32

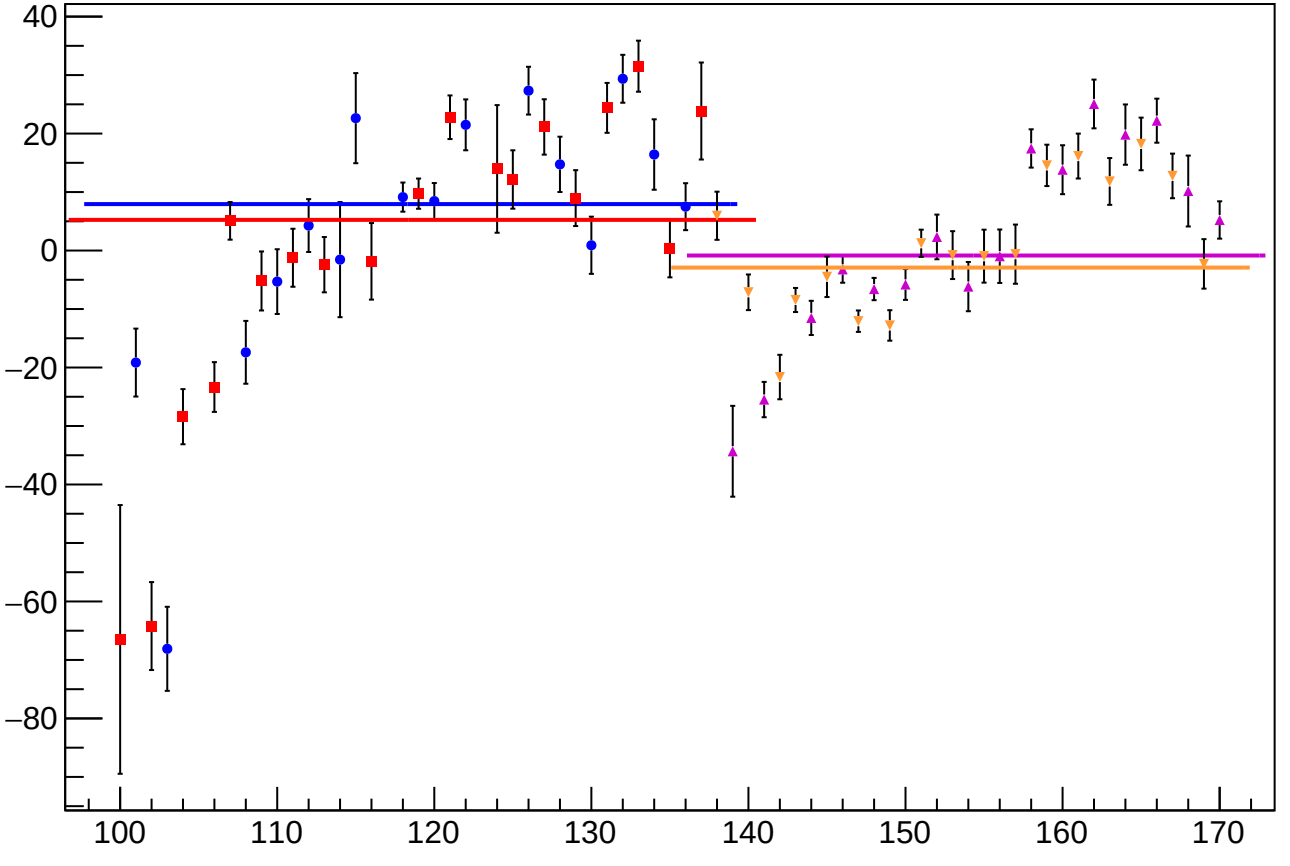
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.130+/-0.758 χ^2/NDF:4201.2/35

All: 193.039+/-0.553 χ^2/NDF: 6700.7/67

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.912+/-0.763 χ^2/NDF:183.2/16

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

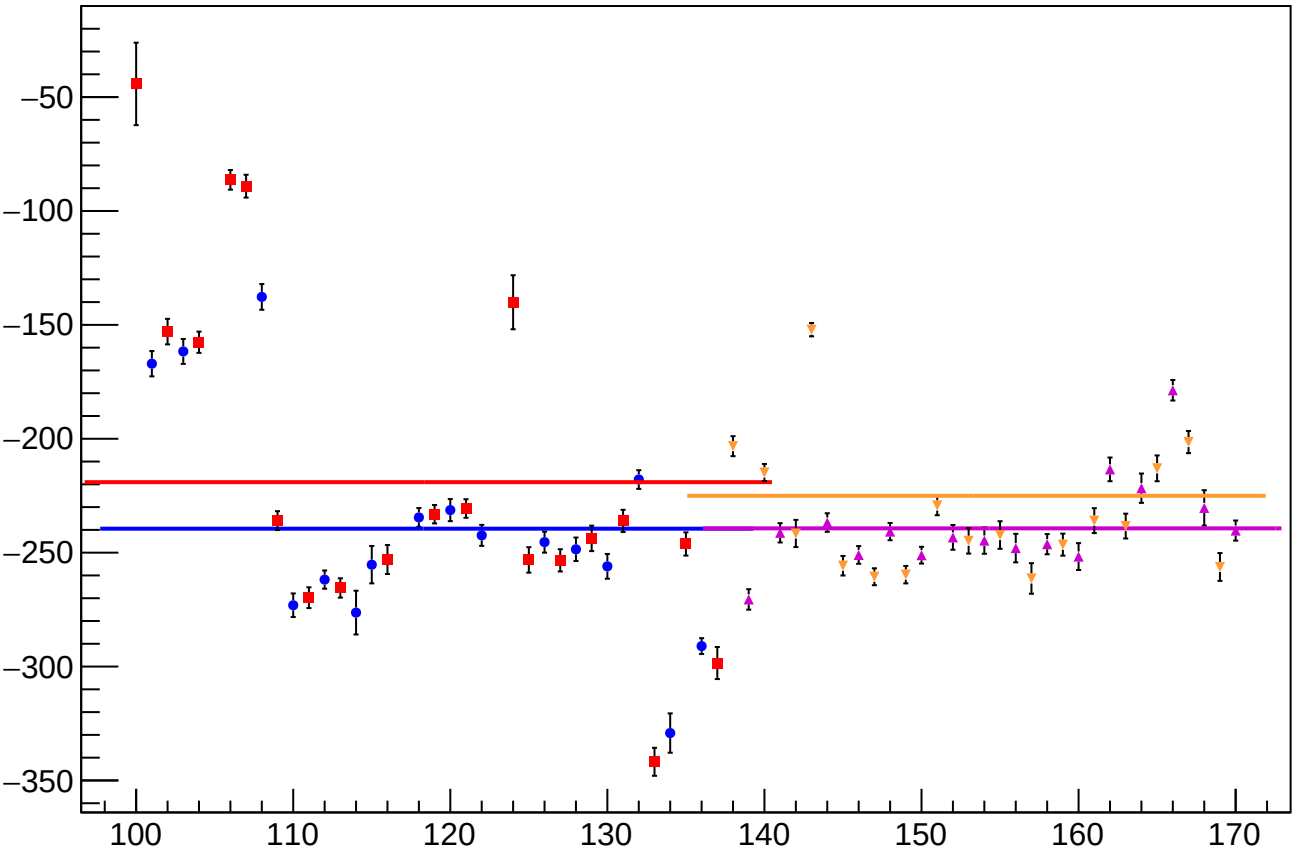
Left: -1.961+/-0.560 χ^2/NDF: 443.6/32

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.135+/-0.620 χ^2/NDF:525.0/35

All: 0.985+/-0.453 χ^2/NDF: 1062.2/67



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.038+/-1.112 χ^2/NDF:1020.9/16

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

Left: -231.785+/-0.808 χ^2/NDF: 1391.8/32

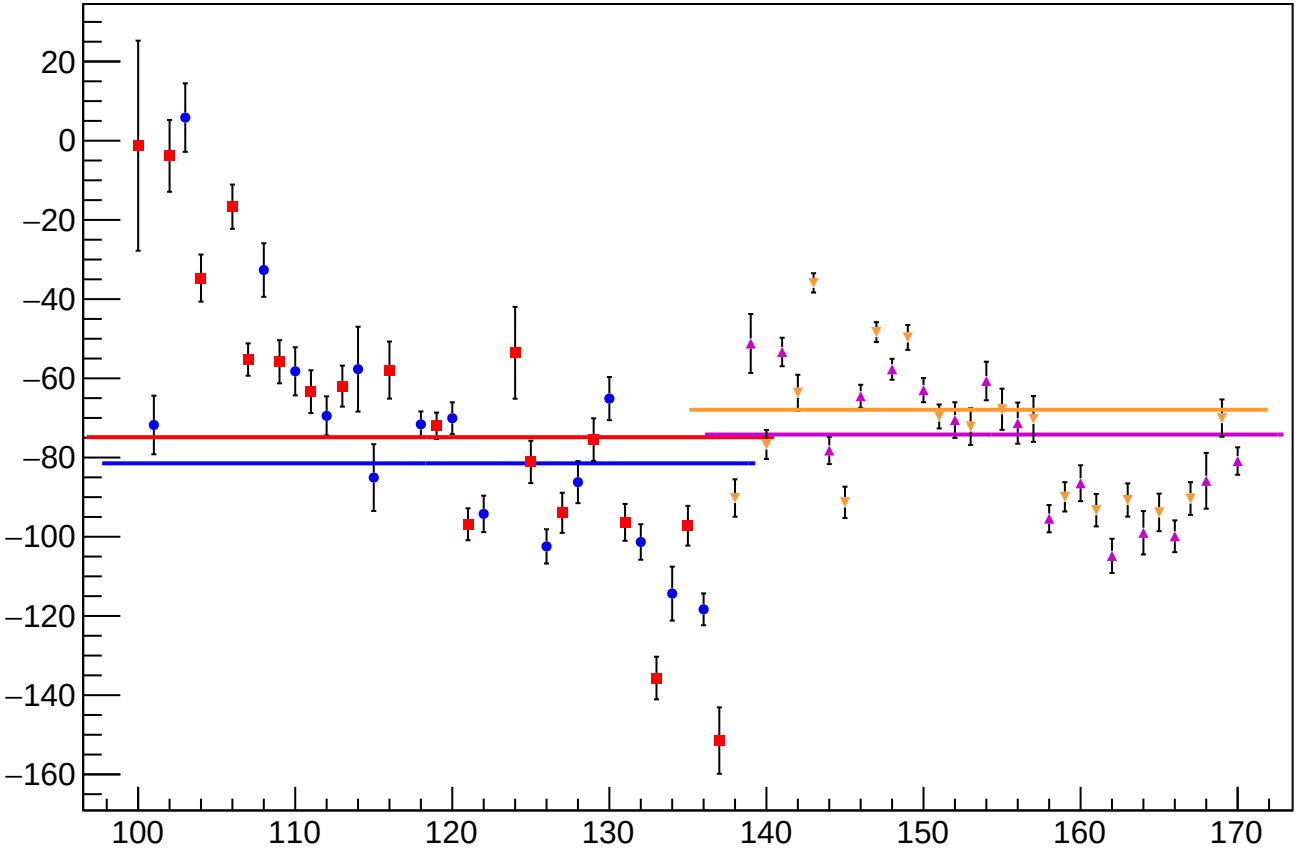
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.398+/-0.855 χ^2/NDF:1455.2/31

Out: -222.212+/-0.808 χ^2/NDF:4083.8/35

All: -230.319+/-0.587 χ^2/NDF: 5752.3/67

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: -67.936+/-0.905 χ^2/NDF:495.2/16

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

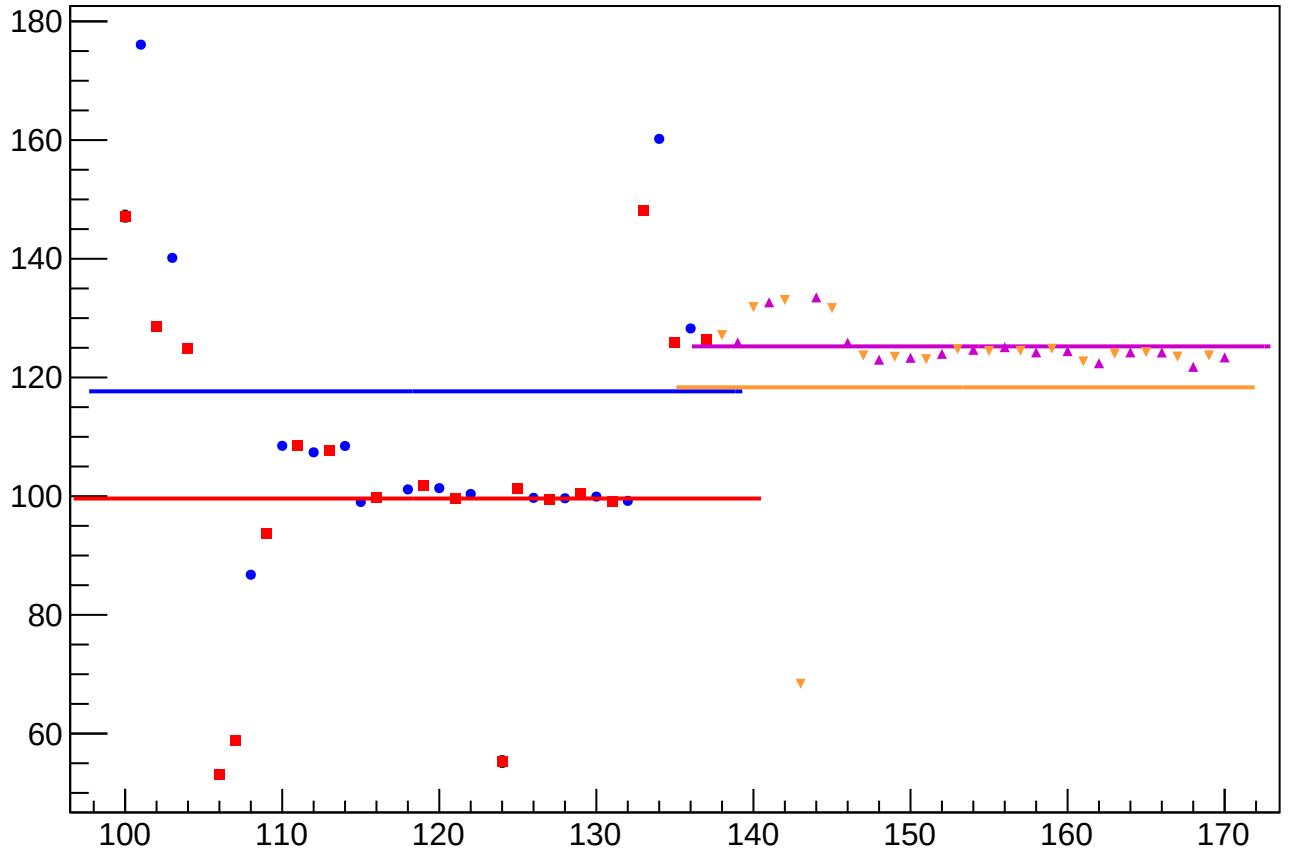
Left: -70.850+/-0.662 χ^2/NDF: 797.5/32

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.825+/-0.774 χ^2/NDF:666.9/31

Out: -70.369+/-0.729 χ^2/NDF:1092.4/35

All: -73.403+/-0.531 χ^2/NDF: 1796.1/67



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.343+/-0.043 χ^2/NDF:198047.7/16

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

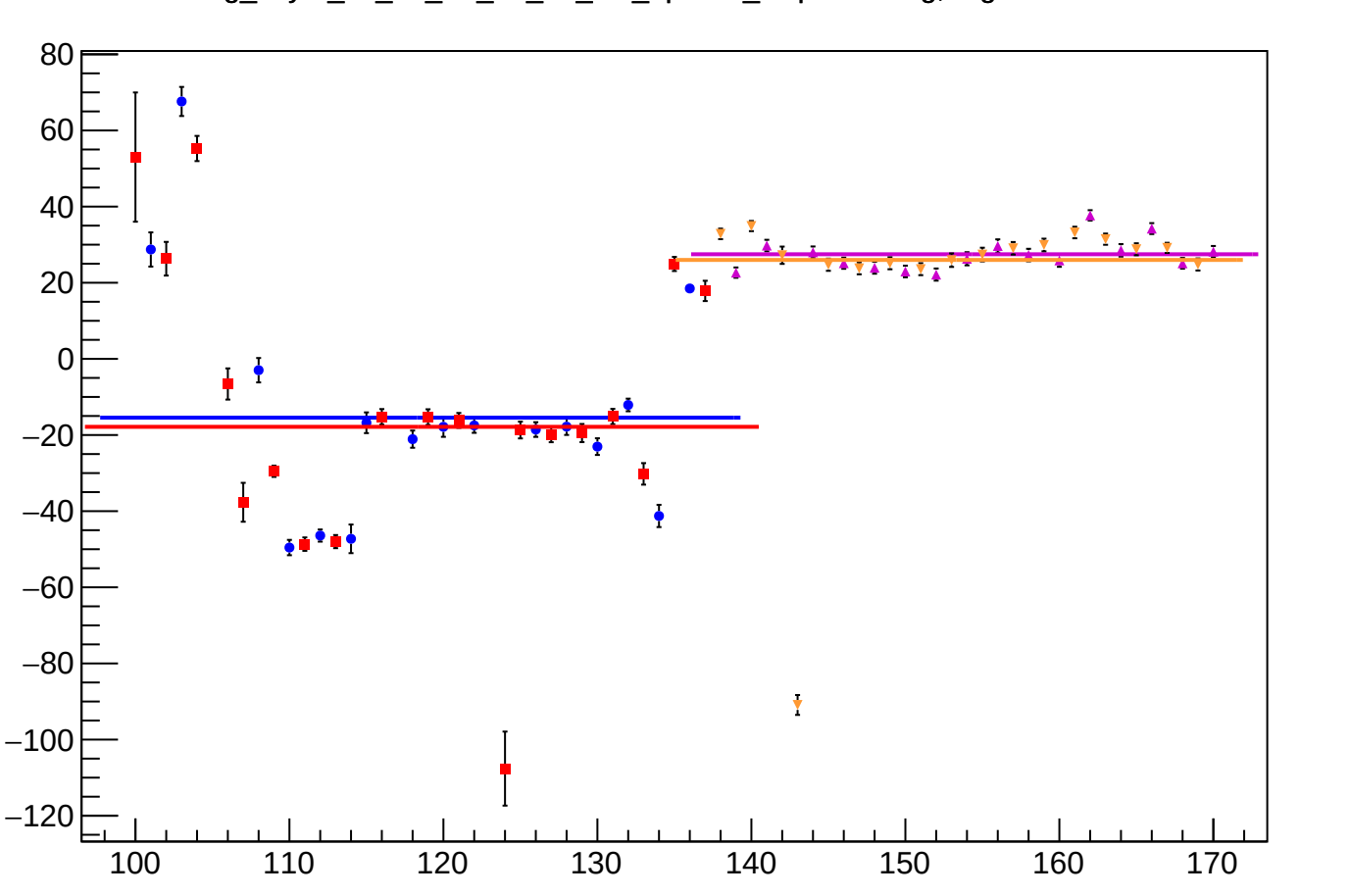
Left: 121.675+/-0.031 χ^2/NDF: 215228.7/32

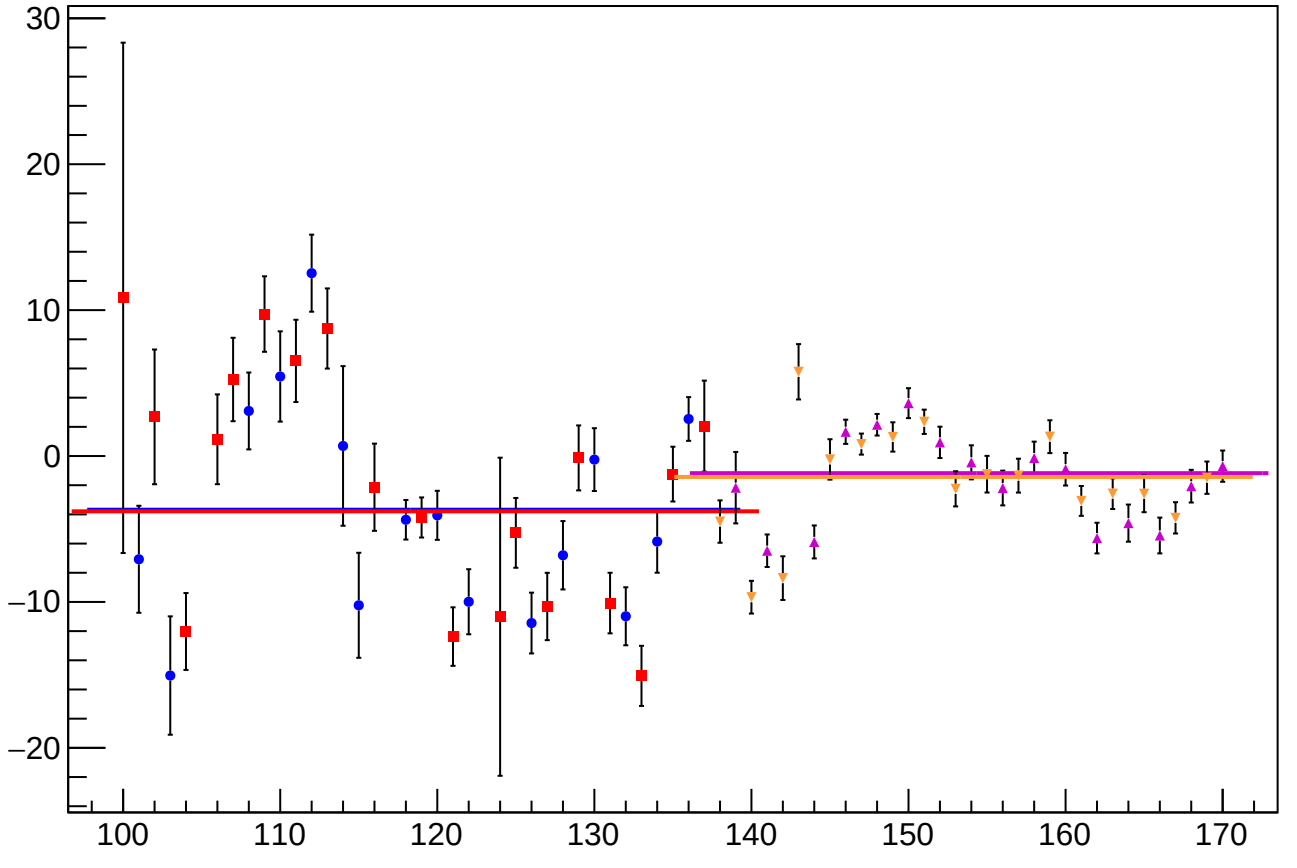
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.175+/-0.037 χ^2/NDF:415736.5/35

All: 118.002+/-0.027 χ^2/NDF: 559237.6/67


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: 25.986+/-0.388 χ²/NDF:2131.7/16
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 27.481+/-0.382 χ²/NDF:127.3/15
Left: 26.745+/-0.273 χ²/NDF: 2266.5/32
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 13.108+/-0.312 χ²/NDF:6468.0/31
Out: 10.656+/-0.313 χ²/NDF:8711.0/35
All: 11.887+/-0.221 χ²/NDF: 15209.8/67



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.432+/-0.268 χ^2/NDF:150.9/16

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.174+/-0.270 χ^2/NDF:138.0/15

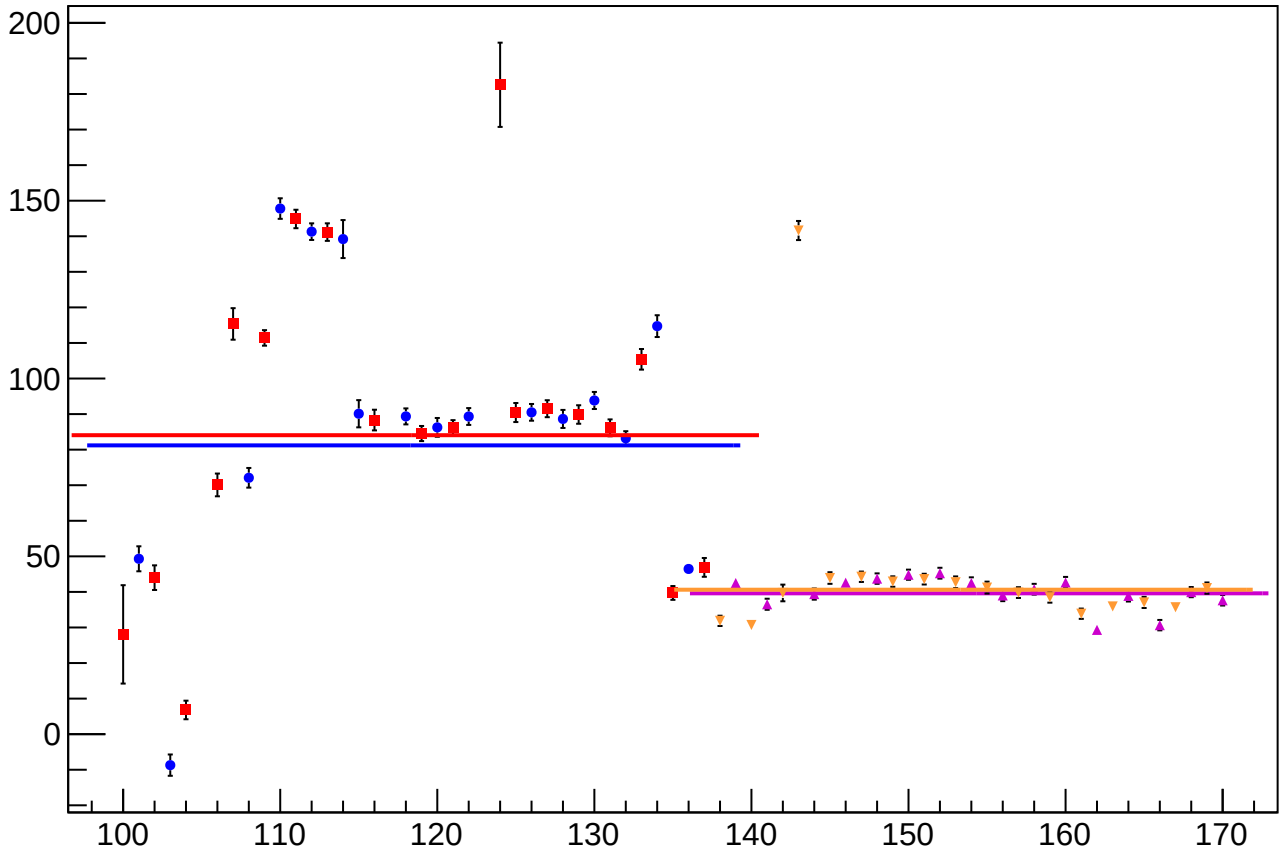
Left: -1.304+/-0.190 χ^2/NDF: 289.3/32

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.657+/-0.242 χ^2/NDF:278.6/31

Out: -1.868+/-0.242 χ^2/NDF:326.3/35

All: -1.762+/-0.171 χ^2/NDF: 605.3/67



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.620+/-0.379 χ^2/NDF:1573.1/16

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.603+/-0.372 χ^2/NDF:156.5/15

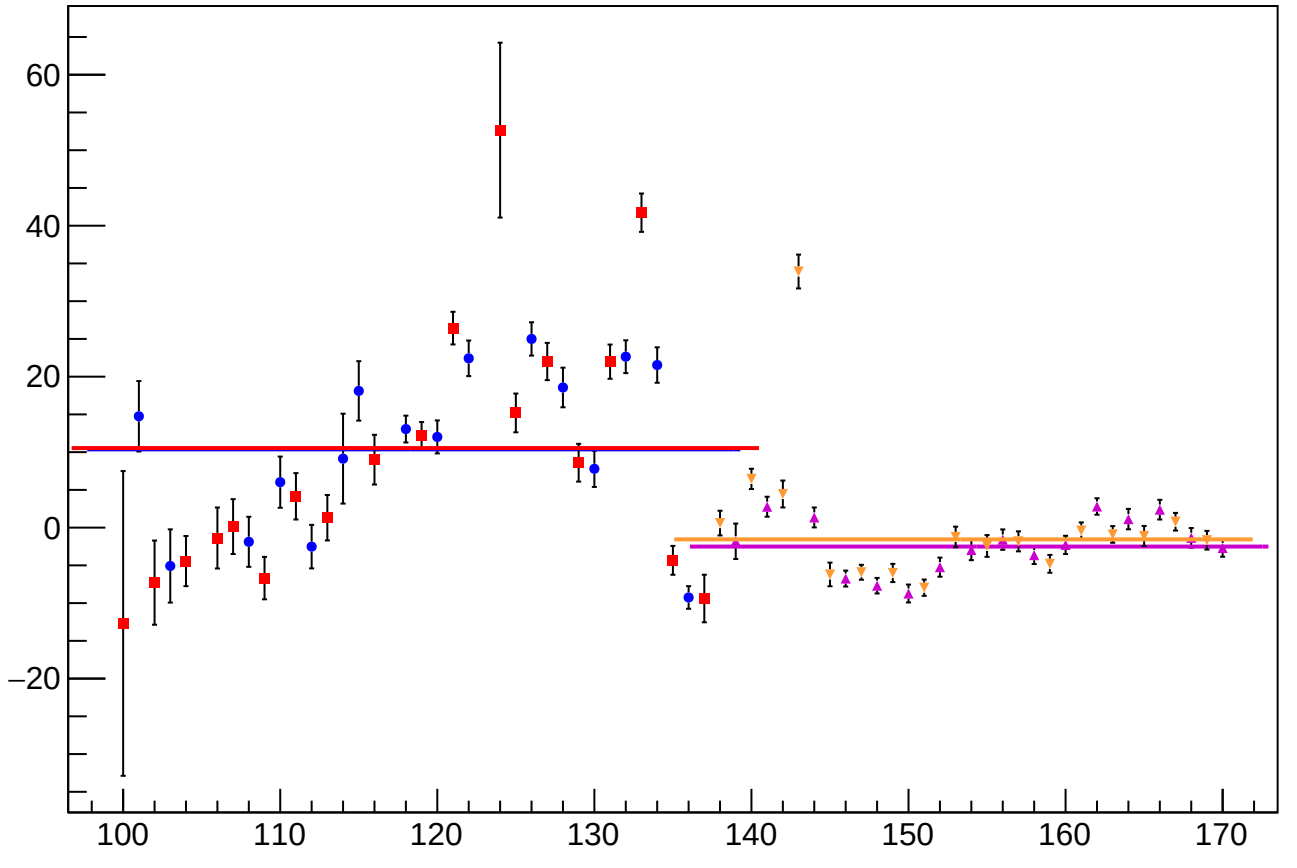
Left: 40.103+/-0.266 χ^2/NDF: 1733.3/32

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.976+/-0.317 χ^2/NDF:6799.3/31

Out: 52.533+/-0.323 χ^2/NDF:8386.6/35

All: 51.742+/-0.226 χ^2/NDF: 15197.7/67



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.556+/-0.311 χ^2/NDF:390.0/16

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.508+/-0.311 χ^2/NDF:145.4/15

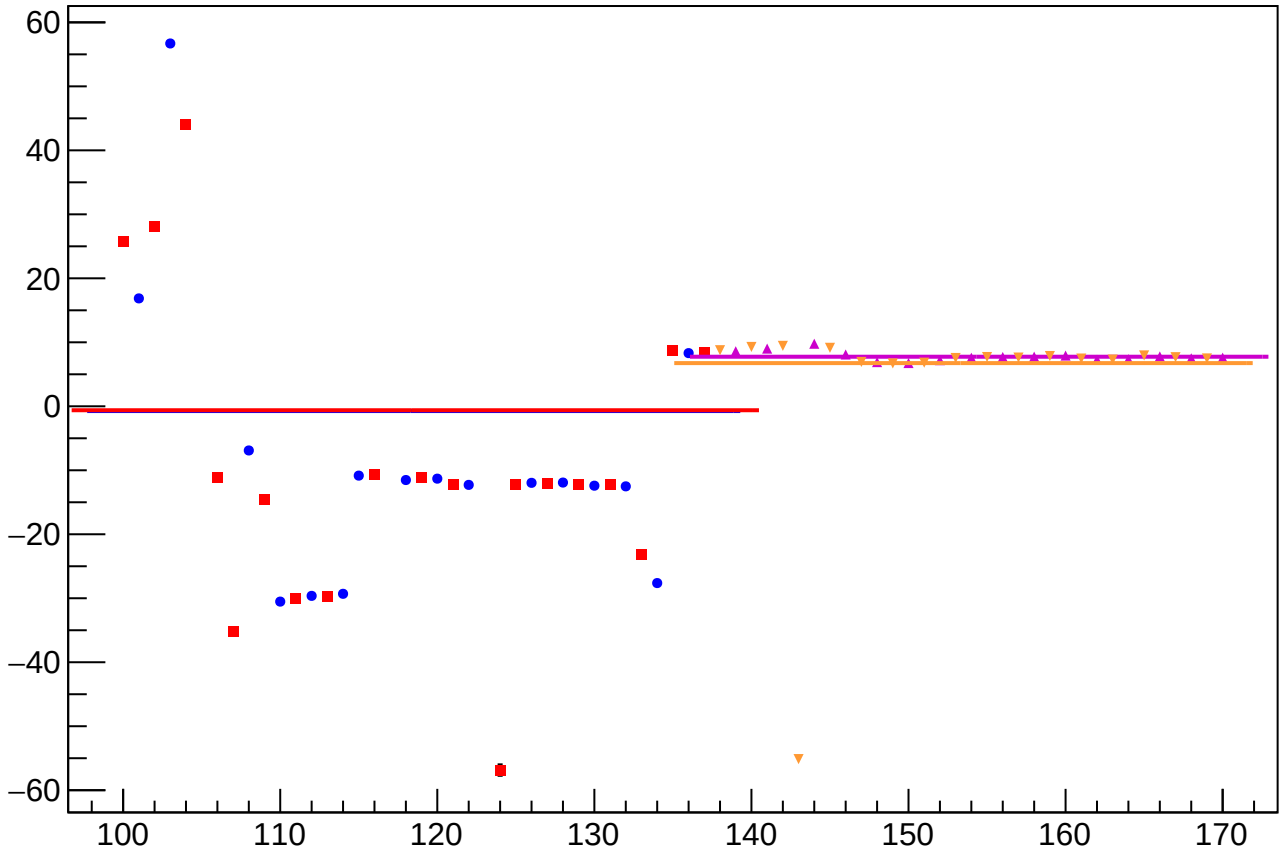
Left: -2.032+/-0.220 χ^2/NDF: 540.2/32

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.042+/-0.279 χ^2/NDF:843.9/31

Out: 0.754+/-0.280 χ^2/NDF:1149.5/35

All: 0.397+/-0.198 χ^2/NDF: 1996.6/67



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.749+/-0.014 χ^2/NDF:314259.0/16

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.746+/-0.014 χ^2/NDF:2330.1/15

Left: 7.259+/-0.010 χ^2/NDF: 319120.1/32

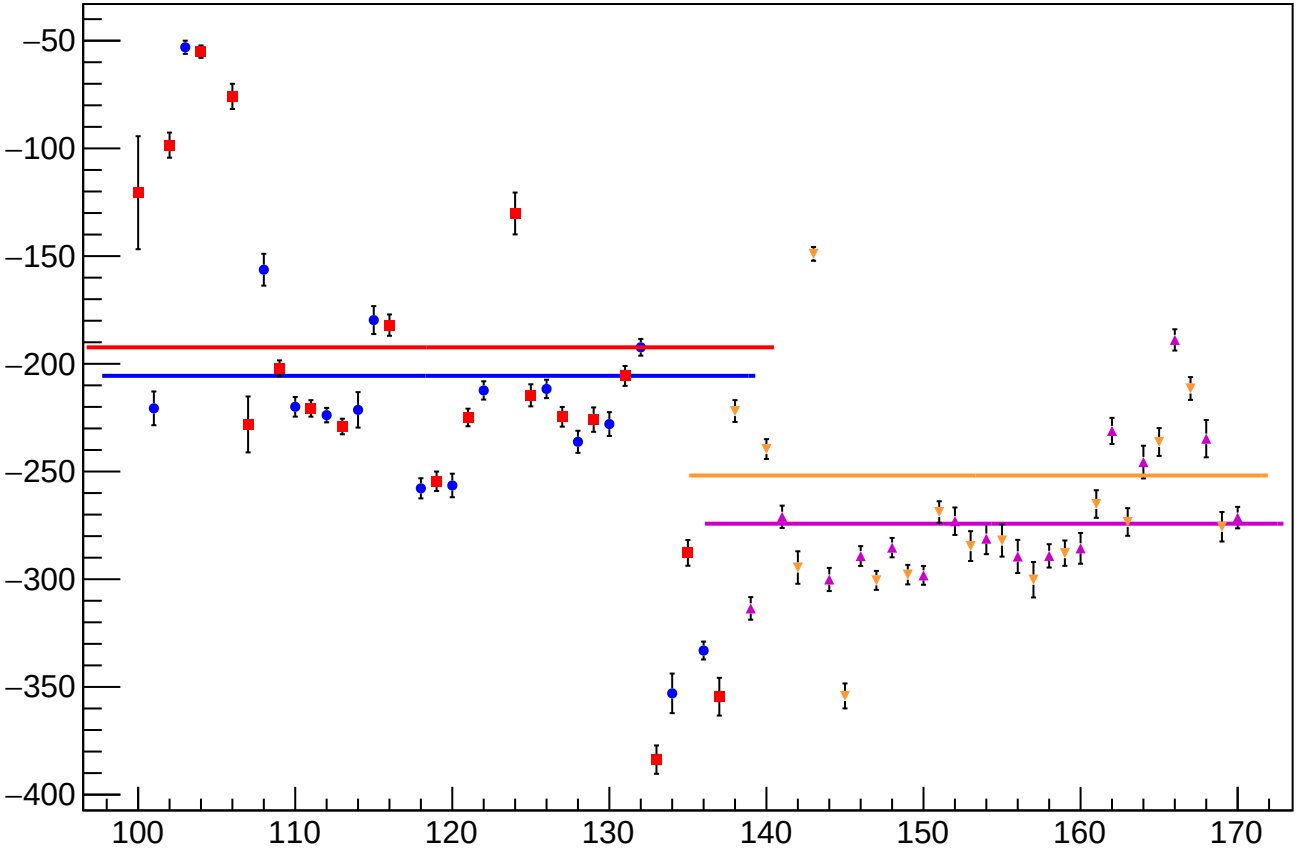
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.646+/-0.013 χ^2/NDF:419073.9/31

Out: 5.820+/-0.013 χ^2/NDF:664788.1/35

All: 6.244+/-0.009 χ^2/NDF: 1085854.3/67

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.840+/-1.309 χ^2/NDF:1852.6/16

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -274.220+/-1.400 χ^2/NDF:525.8/15

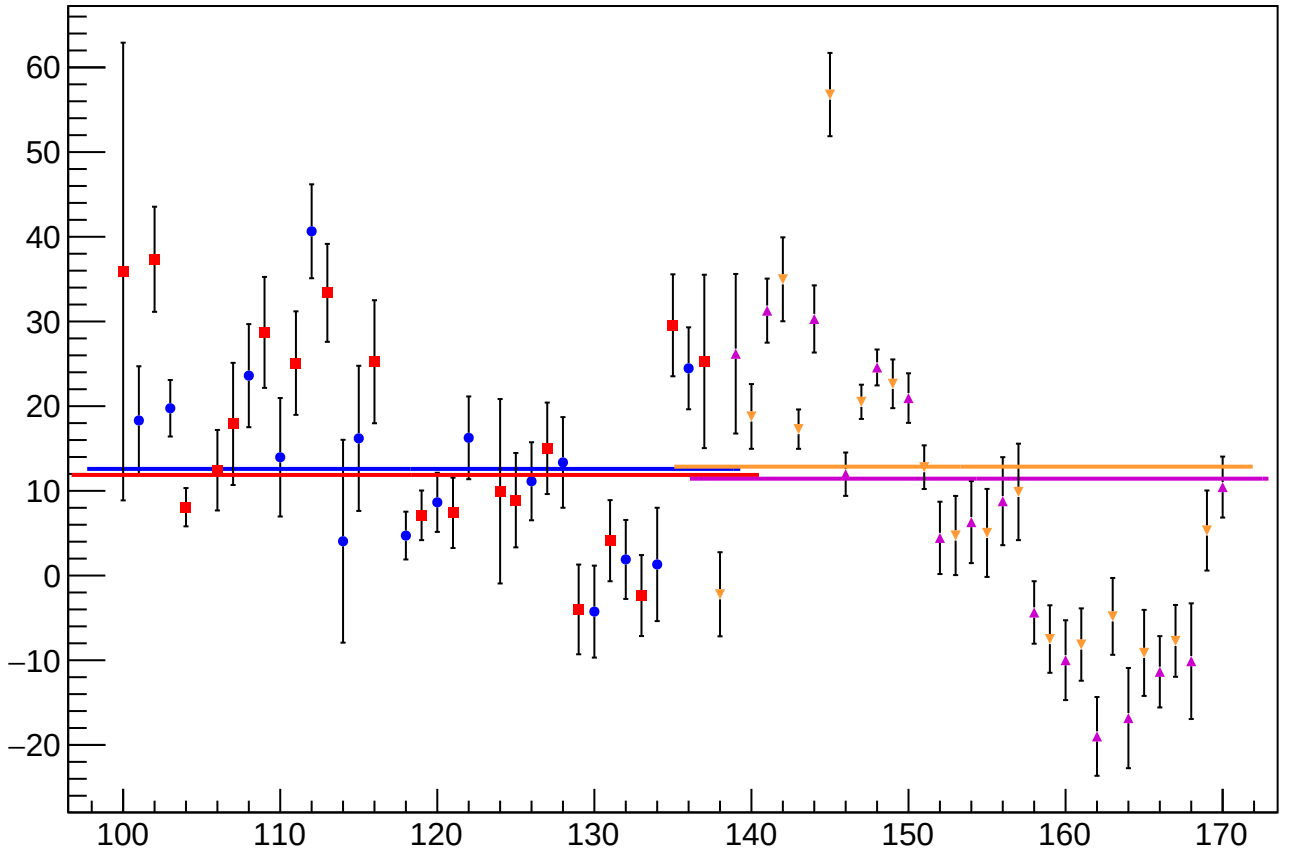
Left: -262.287+/-0.956 χ^2/NDF: 2514.8/32

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.233+/-0.904 χ^2/NDF:5983.2/31

Out: -217.545+/-0.852 χ^2/NDF:8012.4/35

All: -225.395+/-0.620 χ^2/NDF: 14176.0/67



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 12.857+/-0.873 χ^2/NDF:256.7/16

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.438+/-0.945 χ^2/NDF:249.6/15

Left: 12.203+/-0.641 χ^2/NDF: 507.5/32

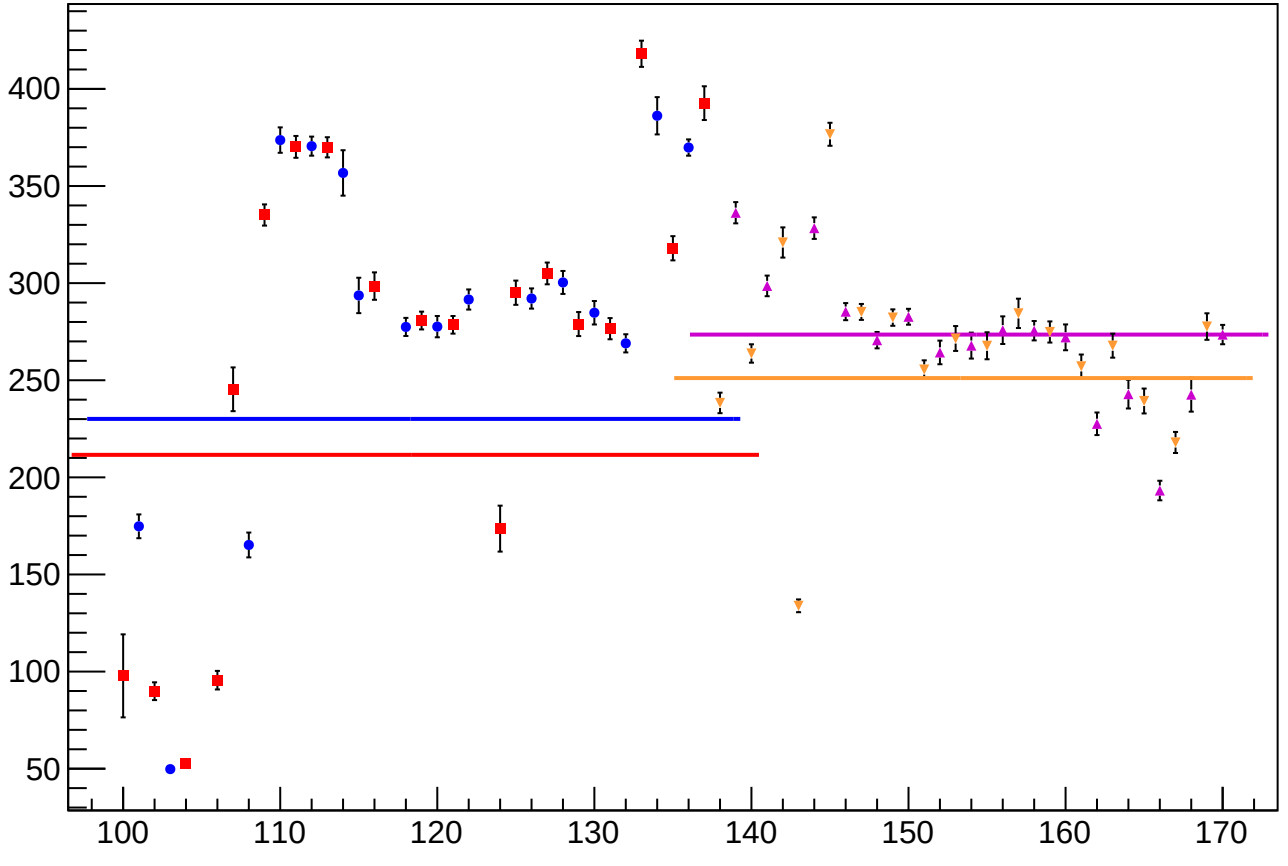
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 11.879+/-0.743 χ^2/NDF:318.7/31

Out: 12.488+/-0.689 χ^2/NDF:342.1/35

All: 12.206+/-0.505 χ^2/NDF: 661.2/67

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 251.117+/-1.284 χ^2/NDF:2048.6/16

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 273.508+/-1.359 χ^2/NDF:613.6/15

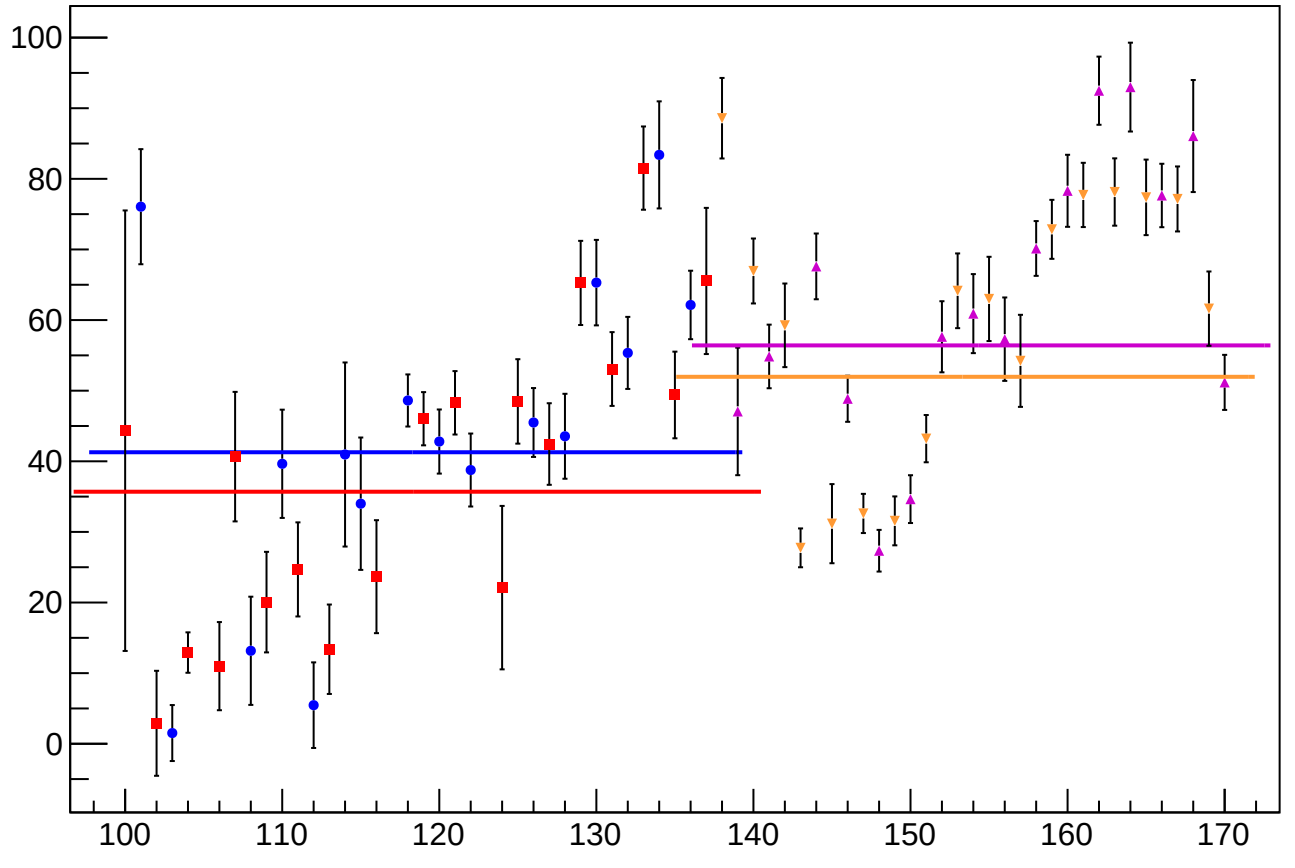
Left: 261.685+/-0.933 χ^2/NDF: 2805.6/32

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.164+/-0.924 χ^2/NDF:10538.4/31

Out: 229.934+/-0.875 χ^2/NDF:14028.3/35

All: 239.502+/-0.635 χ^2/NDF: 24819.5/67



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 51.966+/-1.038 χ^2/NDF:386.8/16

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.411+/-1.113 χ^2/NDF:310.2/15

Left: 54.034+/-0.759 χ^2/NDF: 705.5/32

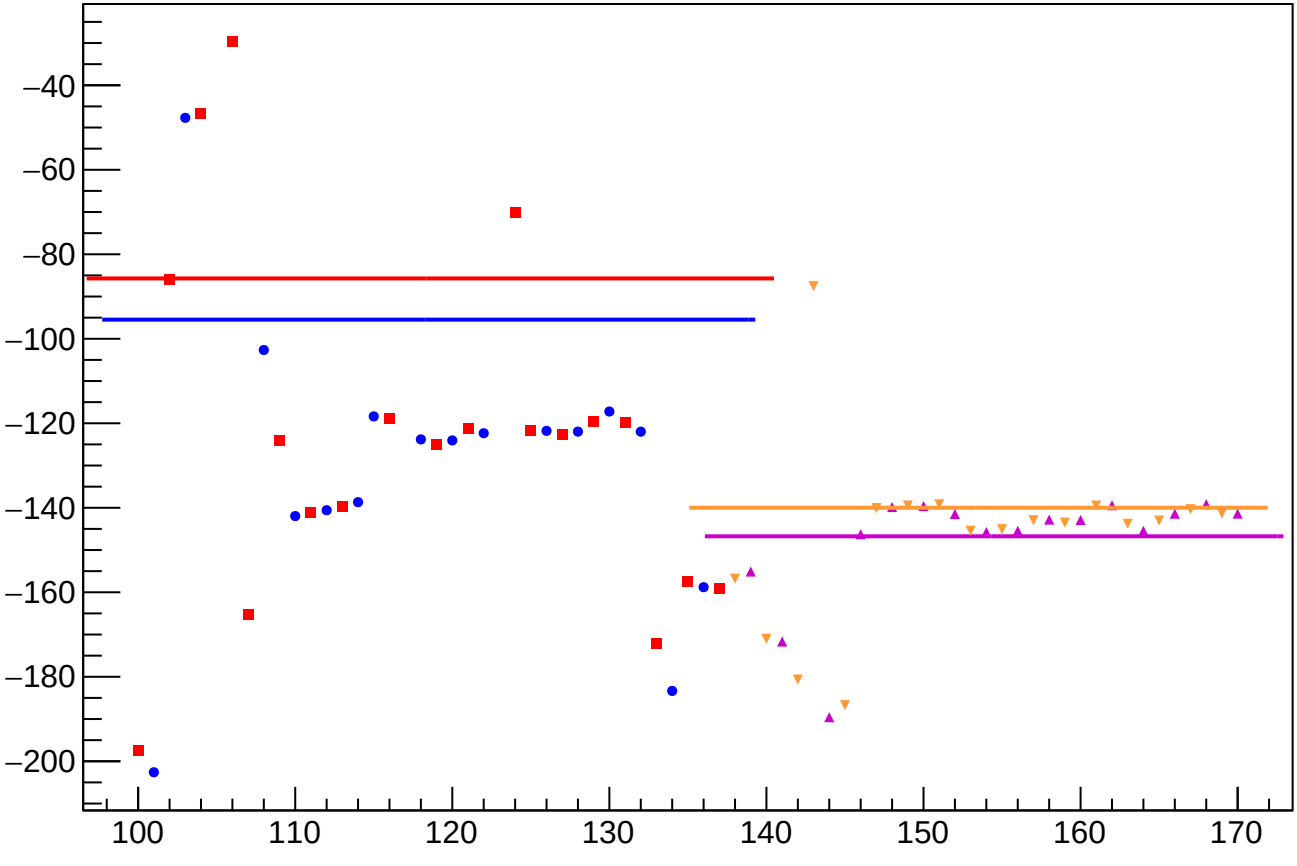
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.542+/-0.870 χ^2/NDF:627.7/31

Out: 45.731+/-0.815 χ^2/NDF:734.2/35

All: 47.979+/-0.595 χ^2/NDF: 1378.1/67

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.989+/-0.050 χ^2/NDF:231525.5/16

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -146.748+/-0.052 χ^2/NDF:52957.0/15

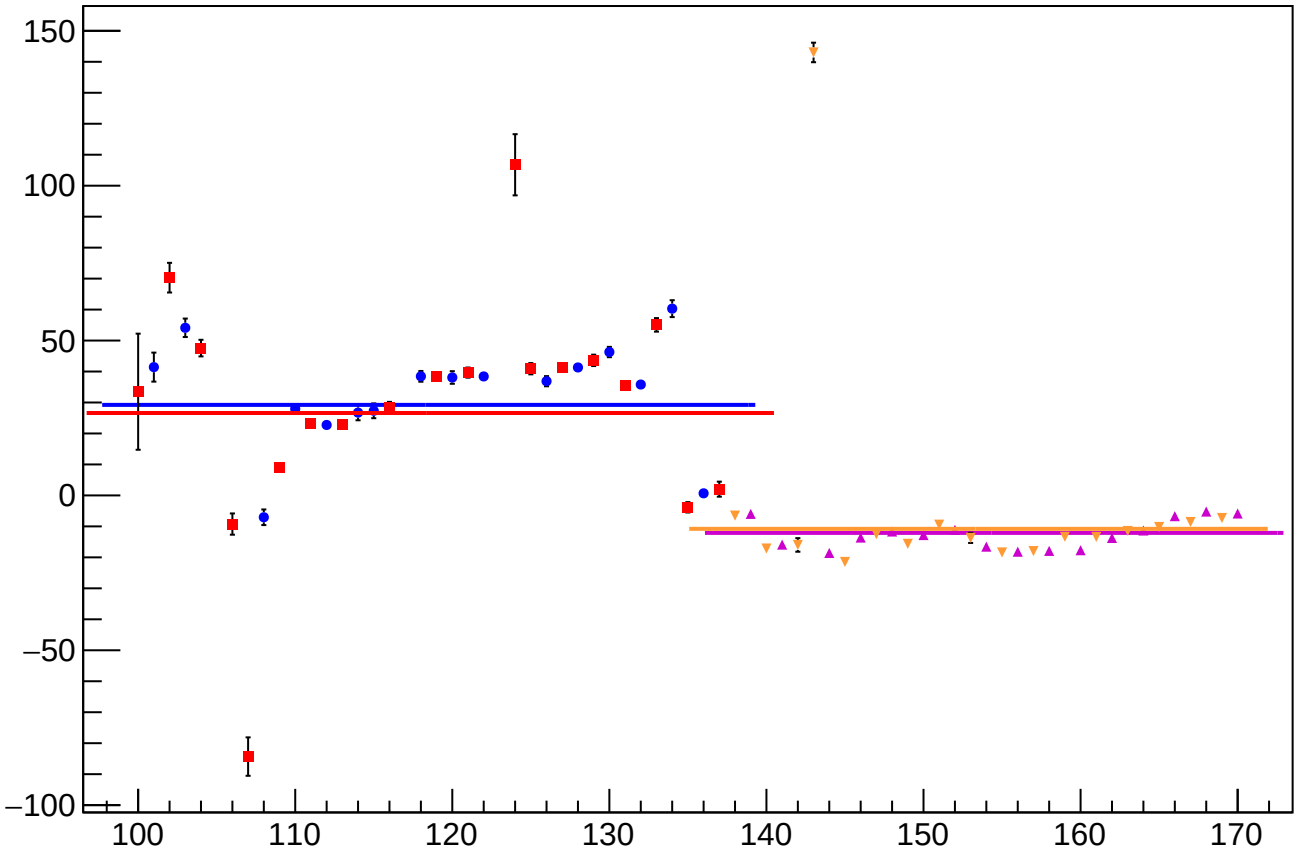
Left: -143.260+/-0.036 χ^2/NDF: 293335.8/32

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.507+/-0.041 χ^2/NDF:924147.8/31

Out: -120.570+/-0.040 χ^2/NDF:1136148.0/35

All: -124.404+/-0.029 χ^2/NDF: 2079272.4/67



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.790+/-0.364 χ^2/NDF:2540.4/16

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.101+/-0.357 χ^2/NDF:167.6/15

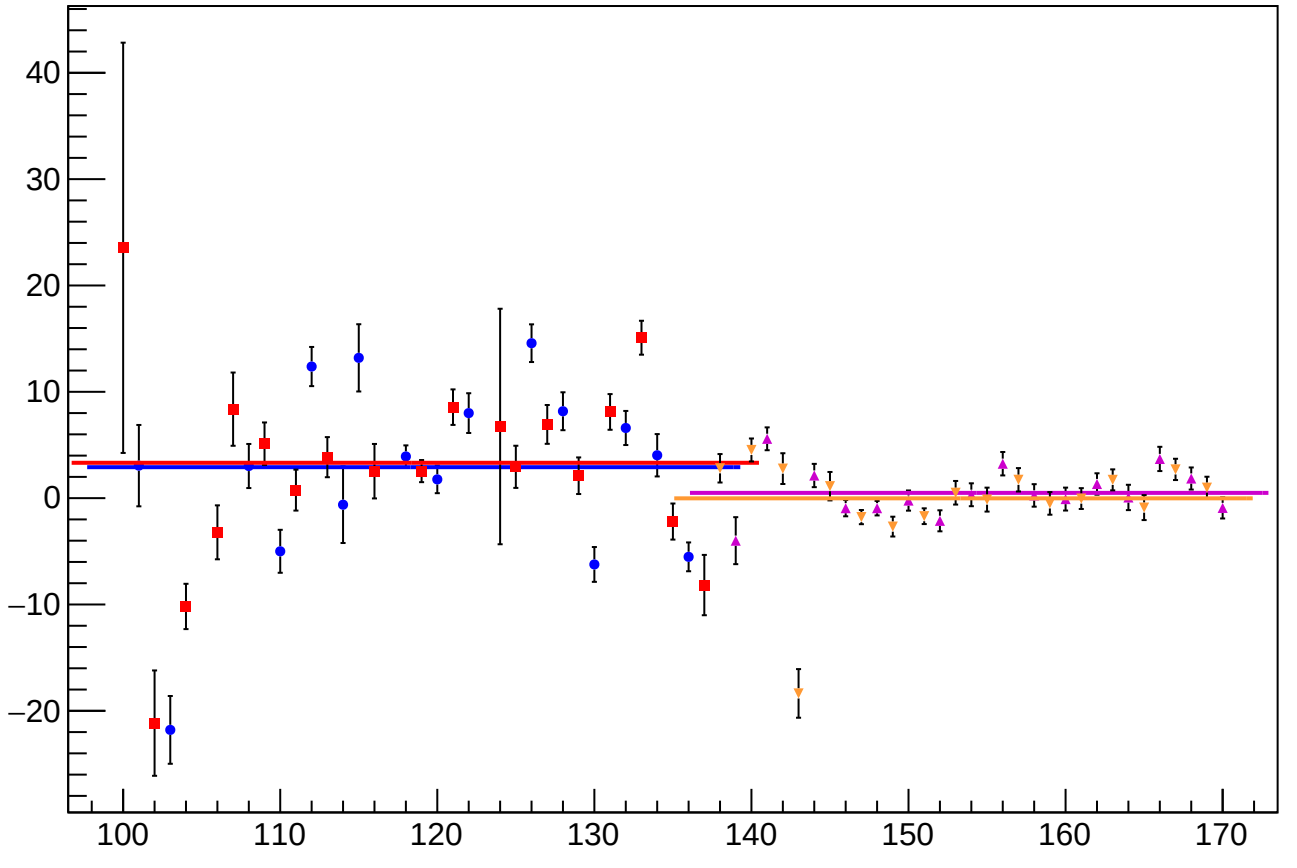
Left: -11.458+/-0.255 χ^2/NDF: 2714.6/32

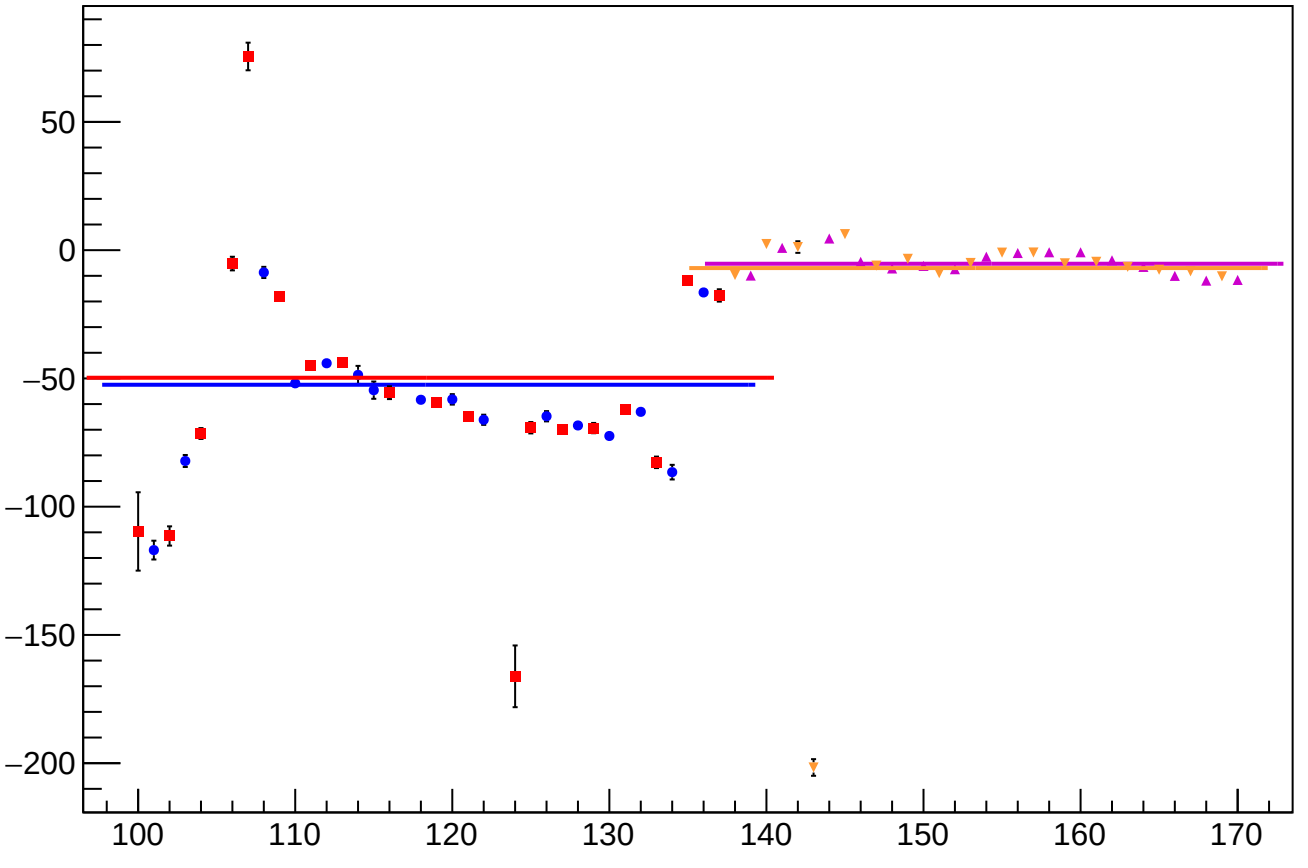
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.032+/-0.273 χ^2/NDF:7066.1/31

Out: 5.507+/-0.273 χ^2/NDF:9063.7/35

All: 5.269+/-0.193 χ^2/NDF: 16131.3/67


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: -0.018+/-0.251 χ²/NDF:126.3/16
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.496+/-0.252 χ²/NDF:63.3/15
Left: 0.238+/-0.178 χ²/NDF: 191.7/32
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.088+/-0.219 χ²/NDF:335.8/31
Out: 0.764+/-0.219 χ²/NDF:349.7/35
All: 0.926+/-0.155 χ²/NDF: 686.6/67



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.981+/-0.355 χ^2/NDF:3794.7/16

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.290+/-0.348 χ^2/NDF:166.4/15

Left: -6.119+/-0.248 χ^2/NDF: 3972.7/32

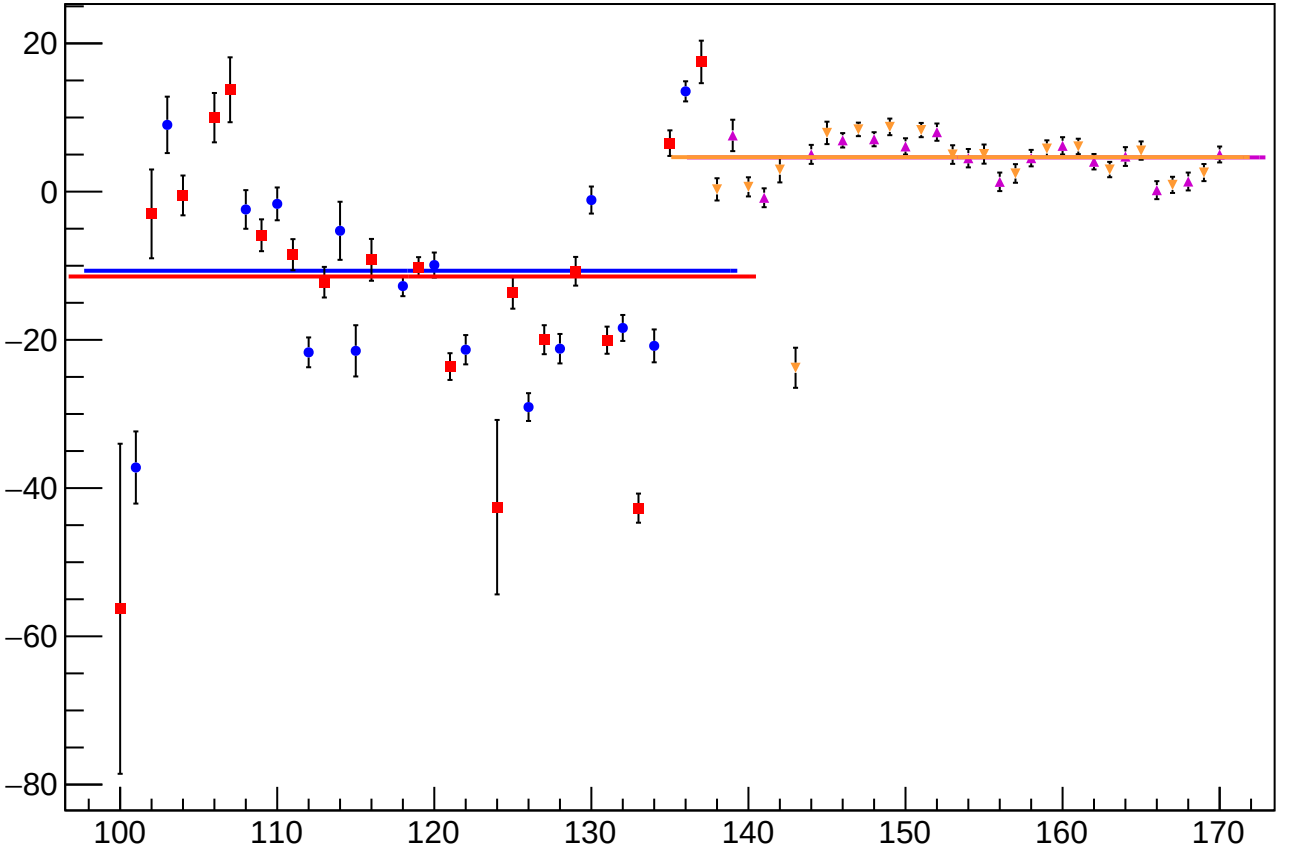
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.176+/-0.283 χ^2/NDF:8701.0/31

Out: -21.516+/-0.288 χ^2/NDF:11747.1/35

All: -21.343+/-0.202 χ^2/NDF: 20448.9/67

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.651+/-0.291 χ^2/NDF:203.0/16

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.617+/-0.291 χ^2/NDF:72.8/15

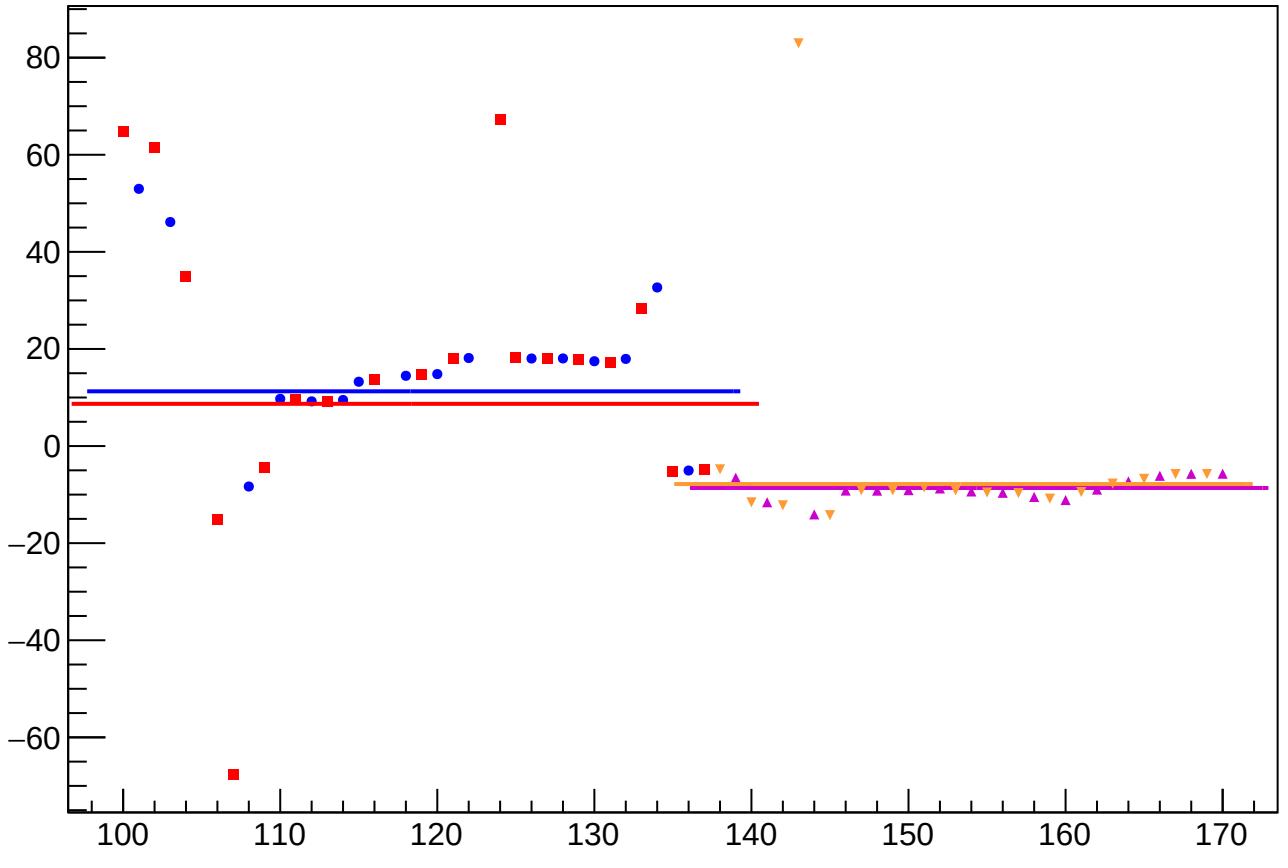
Left: 4.634+/-0.206 χ^2/NDF: 275.8/32

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.807+/-0.252 χ^2/NDF:1426.4/31

Out: 0.766+/-0.253 χ^2/NDF:1607.3/35

All: 0.787+/-0.179 χ^2/NDF: 3033.8/67



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.826+/-0.013 χ^2/NDF:485138.5/16

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.634+/-0.013 χ^2/NDF:26041.0/15

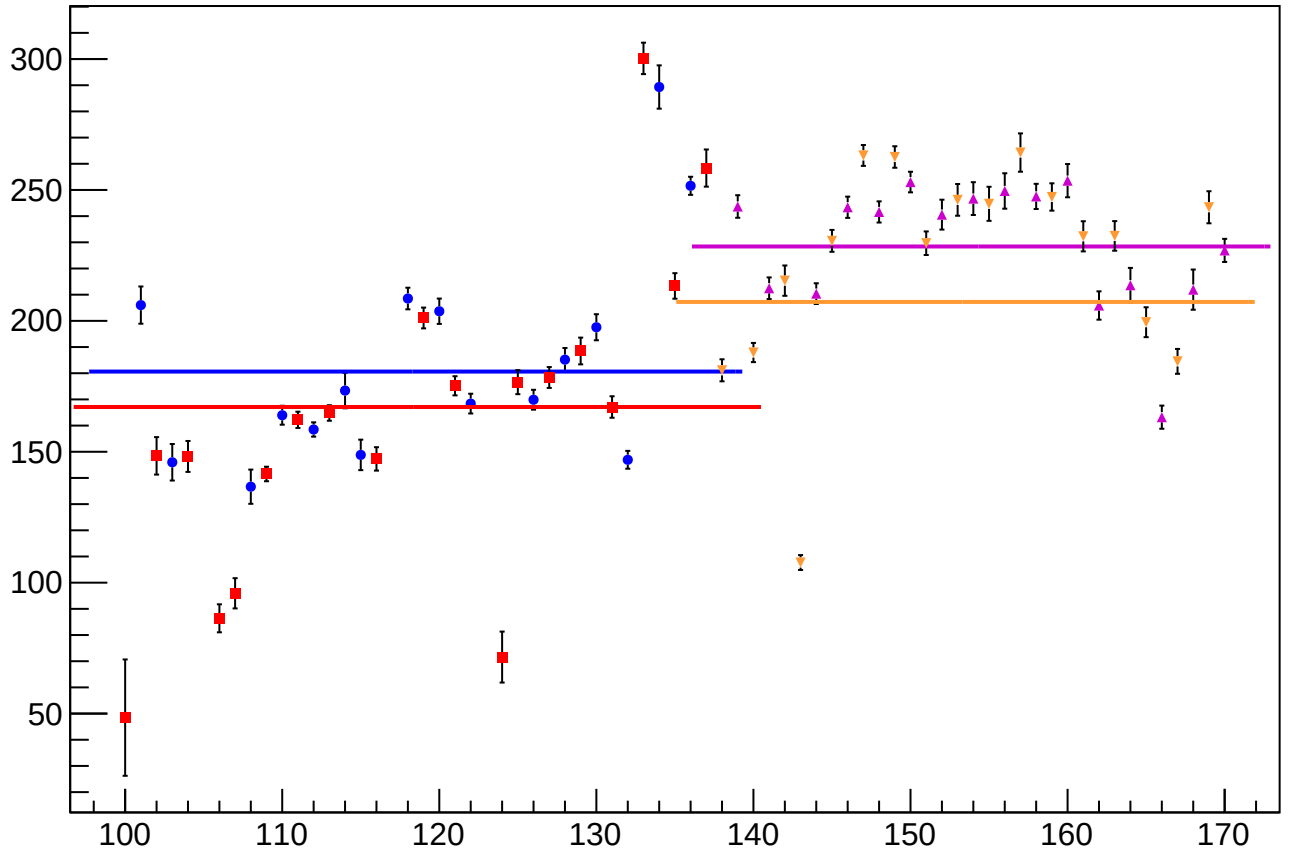
Left: -8.241+/-0.009 χ^2/NDF: 513088.7/32

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.513+/-0.012 χ^2/NDF:748763.8/31

Out: -5.332+/-0.012 χ^2/NDF:1156108.9/35

All: -5.425+/-0.009 χ^2/NDF: 1904985.6/67



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.229+/-1.130 χ^2/NDF:2022.4/16

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

Left: 217.114+/-0.825 χ^2/NDF: 2596.8/32

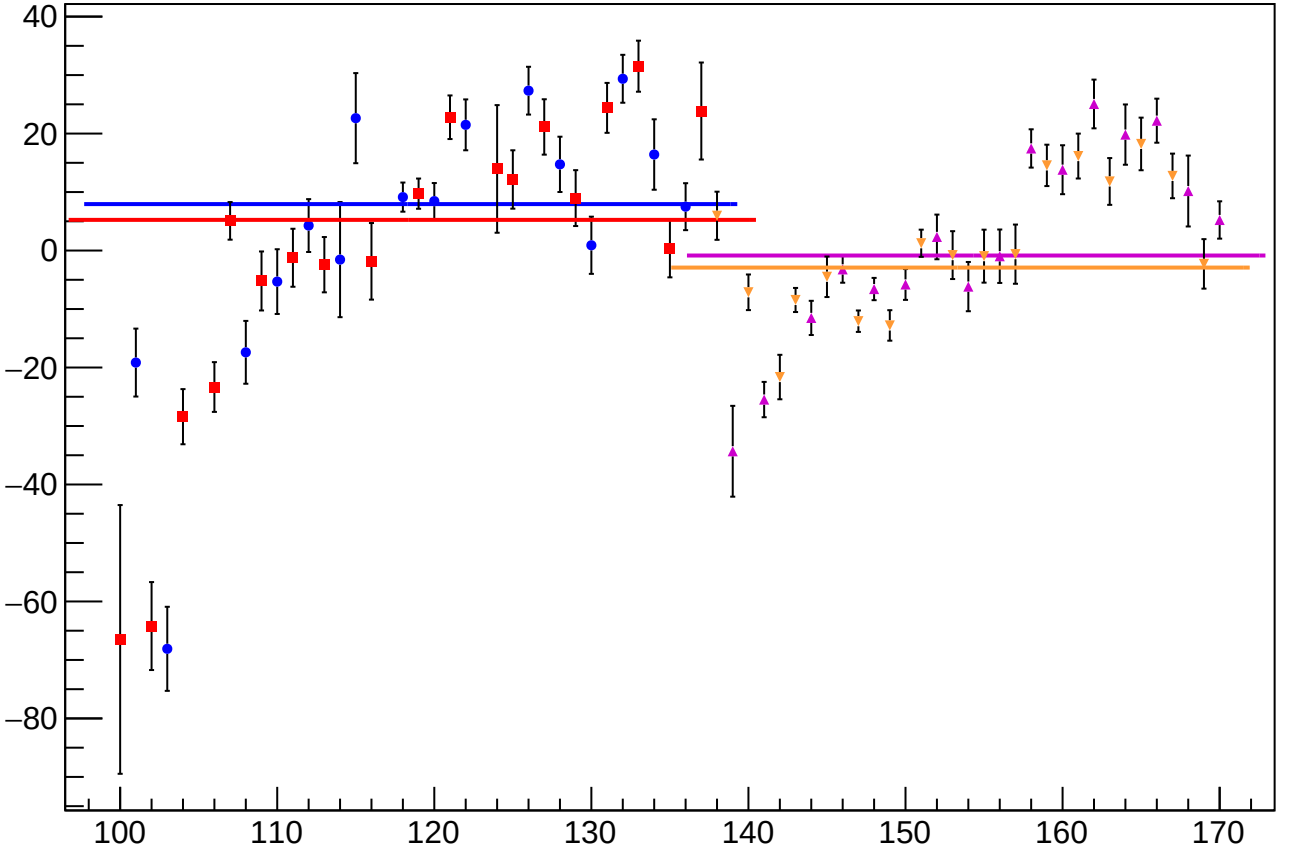
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.130+/-0.758 χ^2/NDF:4201.2/35

All: 193.039+/-0.553 χ^2/NDF: 6700.7/67

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.912+/-0.763 χ^2/NDF:183.2/16

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

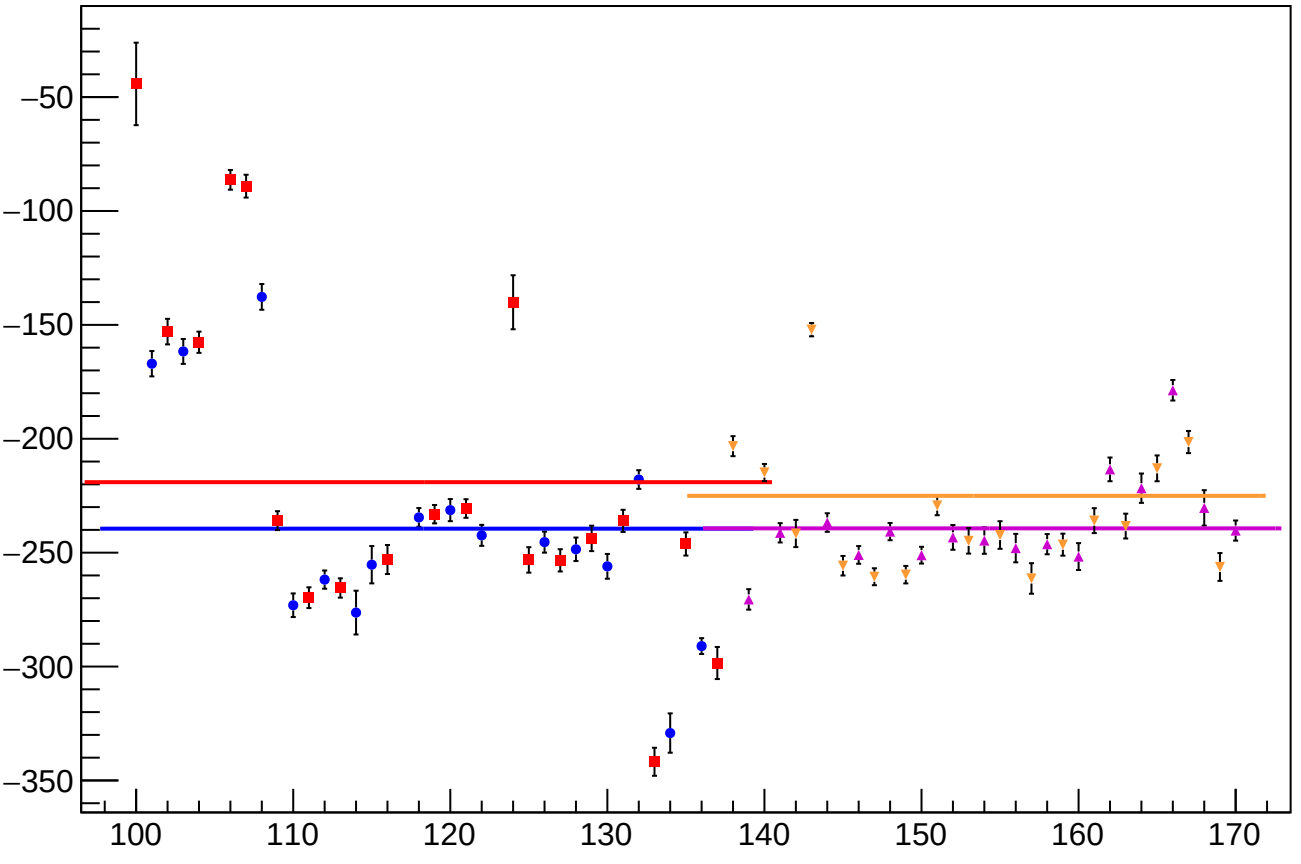
Left: -1.961+/-0.560 χ^2/NDF: 443.6/32

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.135+/-0.620 χ^2/NDF:525.0/35

All: 0.985+/-0.453 χ^2/NDF: 1062.2/67



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.038+/-1.112 χ^2/NDF:1020.9/16

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

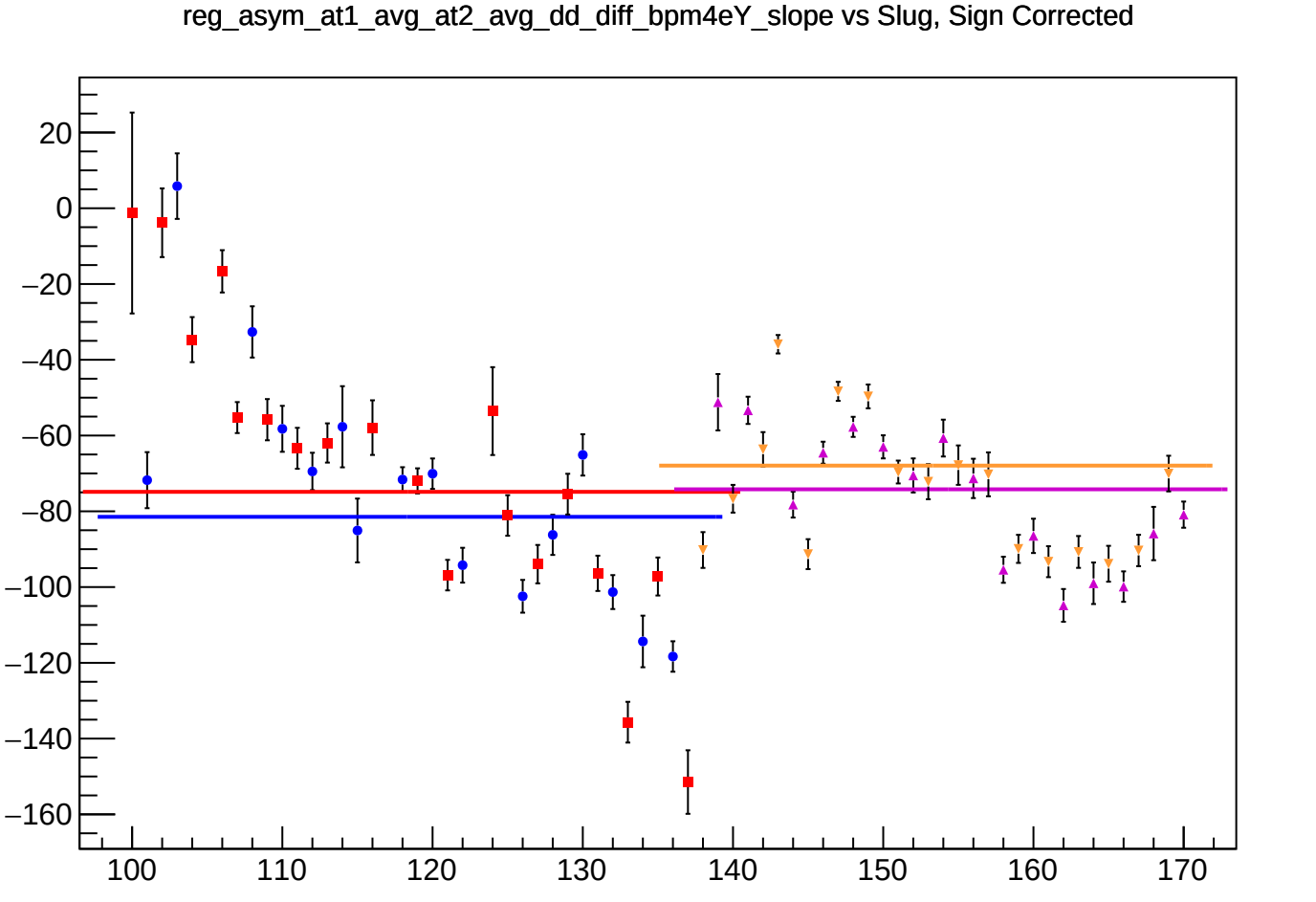
Left: -231.785+/-0.808 χ^2/NDF: 1391.8/32

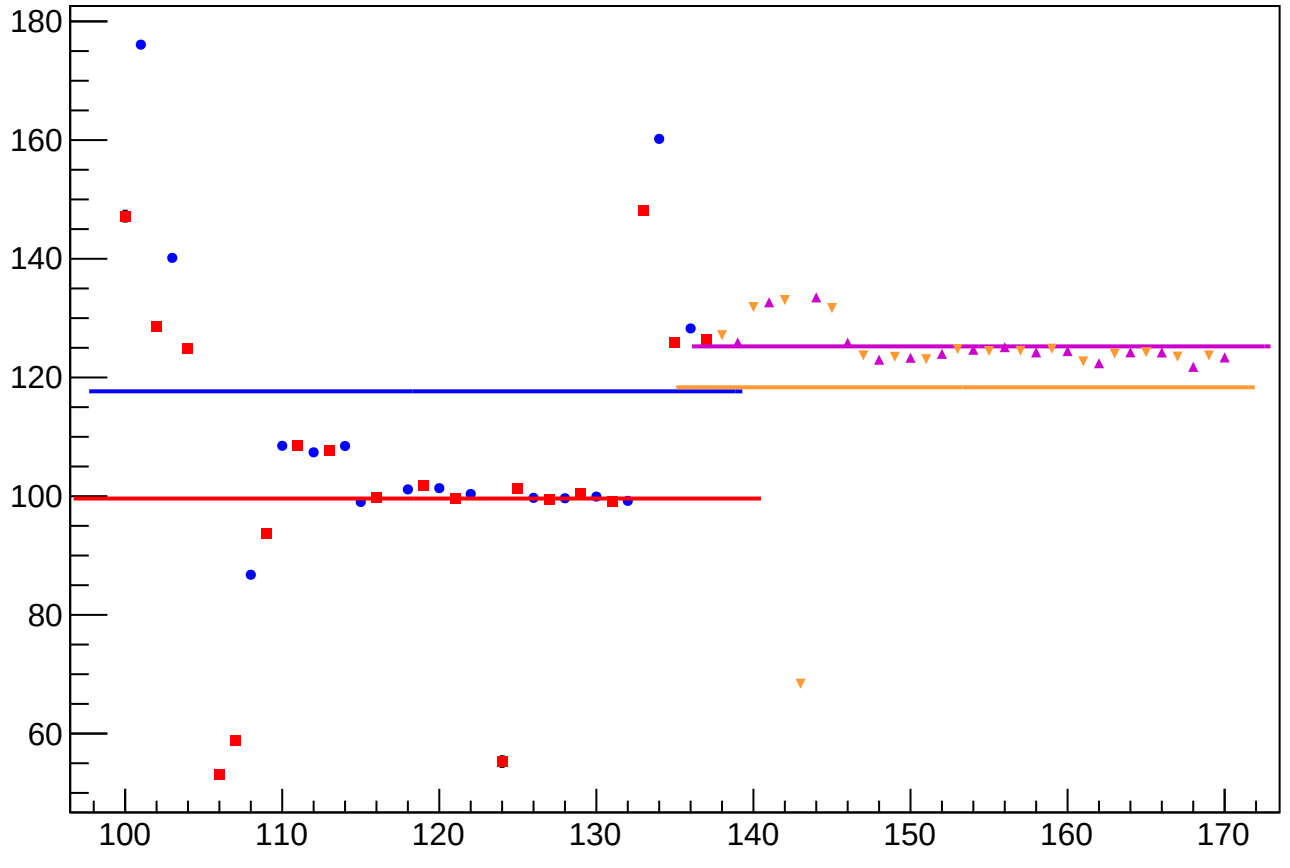
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.398+/-0.855 χ^2/NDF:1455.2/31

Out: -222.212+/-0.808 χ^2/NDF:4083.8/35

All: -230.319+/-0.587 χ^2/NDF: 5752.3/67


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -67.936+/-0.905 χ²/NDF:495.2/16
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -74.193+/-0.970 χ²/NDF:280.0/15
Left: -70.850+/-0.662 χ²/NDF: 797.5/32
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.825+/-0.774 χ²/NDF:666.9/31
Out: -70.369+/-0.729 χ²/NDF:1092.4/35
All: -73.403+/-0.531 χ²/NDF: 1796.1/67



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.343+/-0.043 χ^2/NDF:198047.7/16

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

Left: 121.675+/-0.031 χ^2/NDF: 215228.7/32

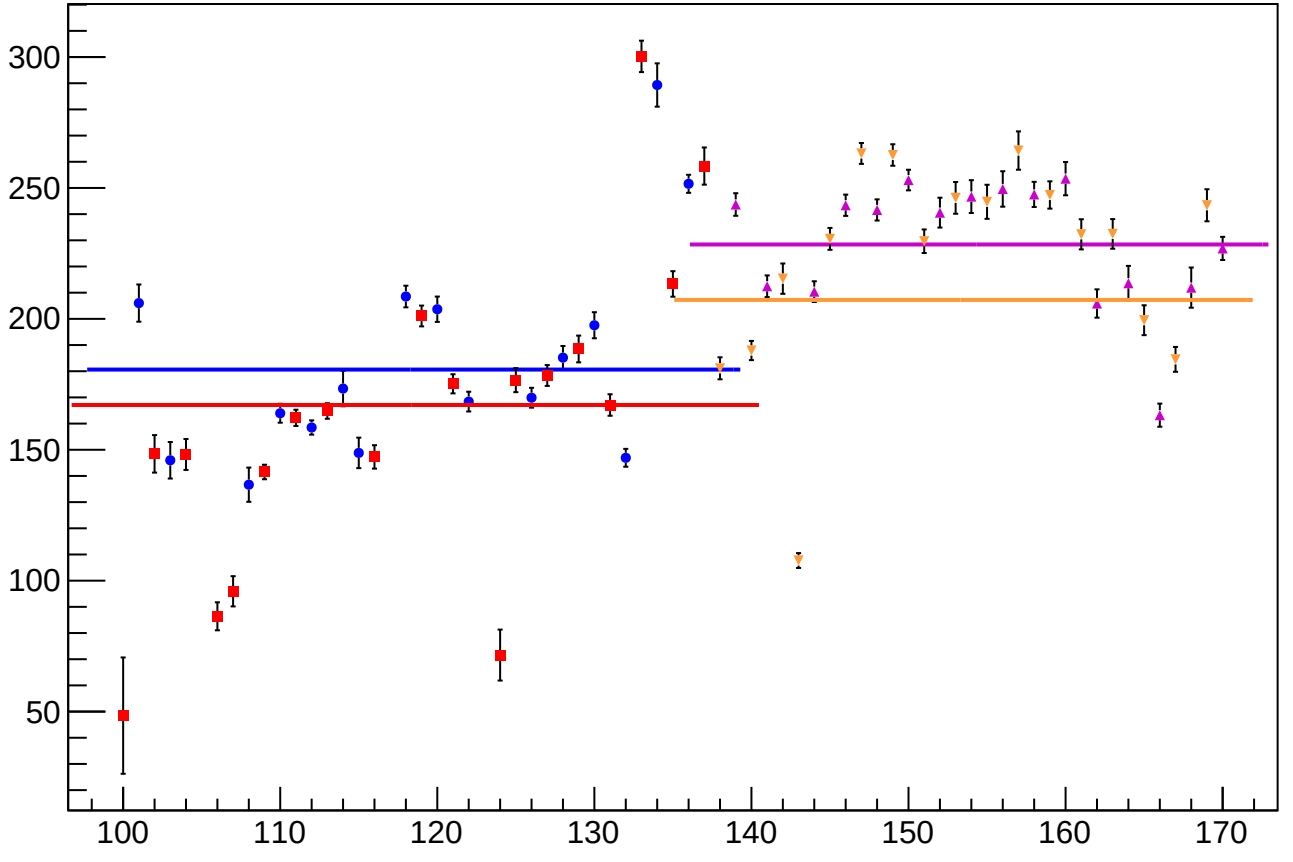
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.175+/-0.037 χ^2/NDF:415736.5/35

All: 118.002+/-0.027 χ^2/NDF: 559237.6/67

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: 207.229+/-1.130 χ^2/NDF:2022.4/16

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

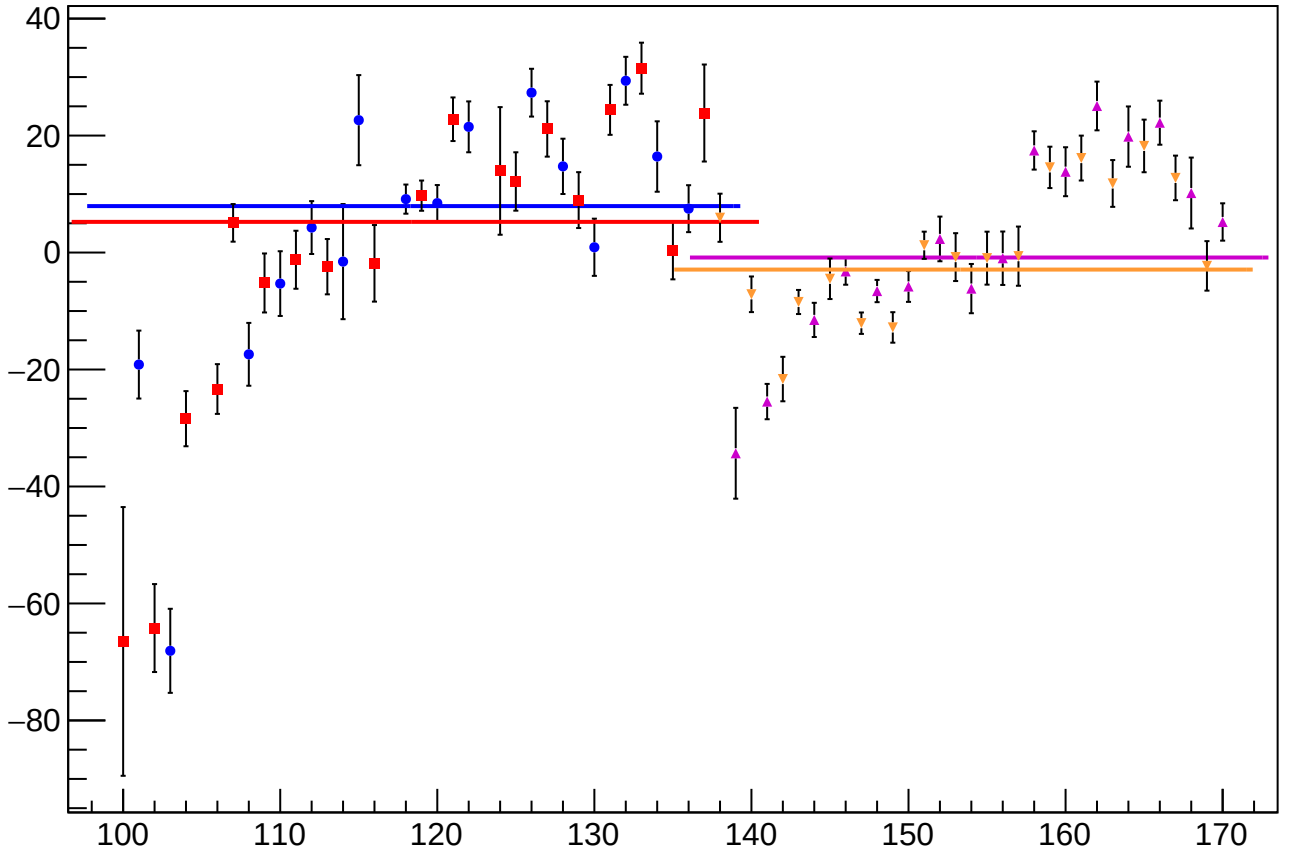
Left: 217.114+/-0.825 χ^2/NDF: 2596.8/32

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.130+/-0.758 χ^2/NDF:4201.2/35

All: 193.039+/-0.553 χ^2/NDF: 6700.7/67



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.912+/-0.763 χ^2/NDF:183.2/16

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

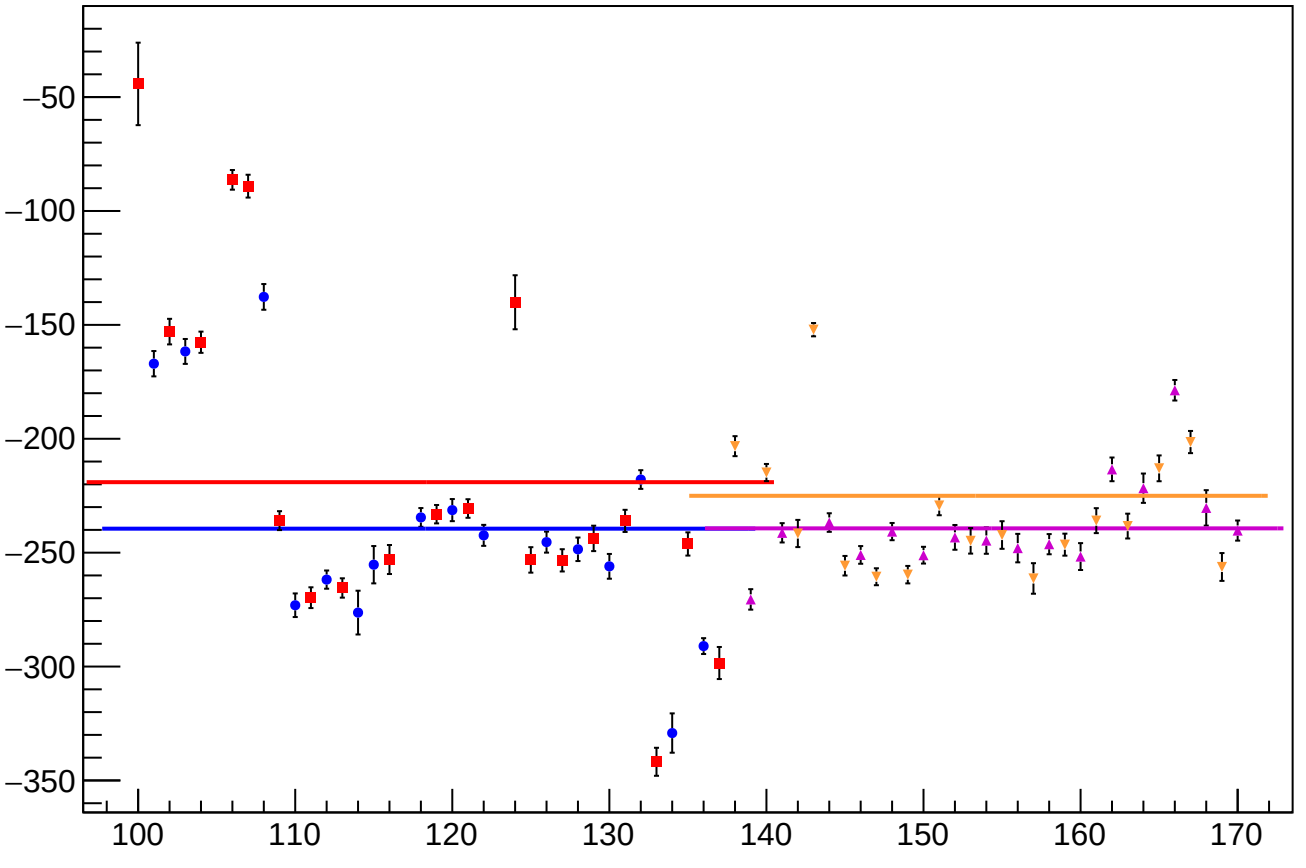
Left: -1.961+/-0.560 χ^2/NDF: 443.6/32

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.135+/-0.620 χ^2/NDF:525.0/35

All: 0.985+/-0.453 χ^2/NDF: 1062.2/67



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.038+/-1.112 χ^2/NDF:1020.9/16

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

Left: -231.785+/-0.808 χ^2/NDF: 1391.8/32

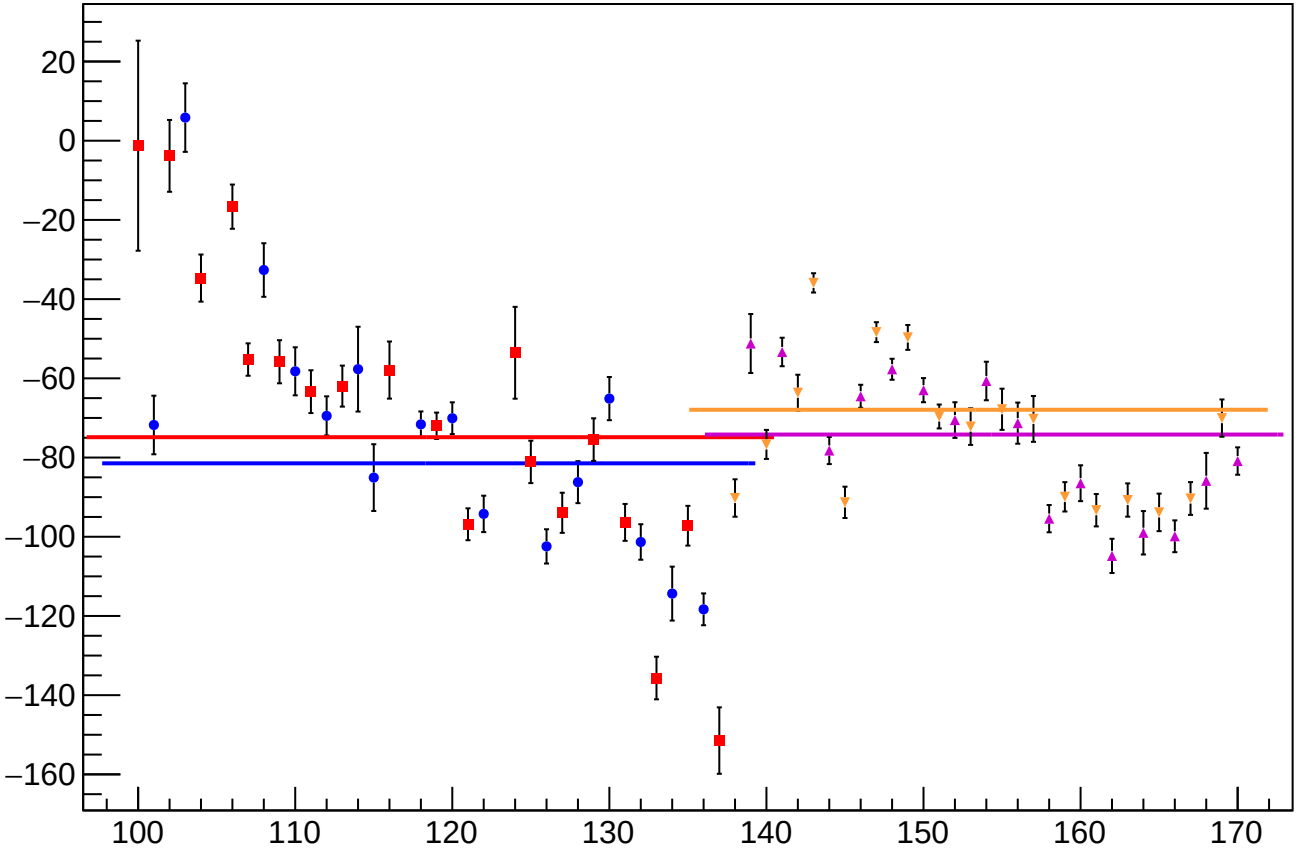
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.398+/-0.855 χ^2/NDF:1455.2/31

Out: -222.212+/-0.808 χ^2/NDF:4083.8/35

All: -230.319+/-0.587 χ^2/NDF: 5752.3/67

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.936+/-0.905 χ^2/NDF:495.2/16

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

Left: -70.850+/-0.662 χ^2/NDF: 797.5/32

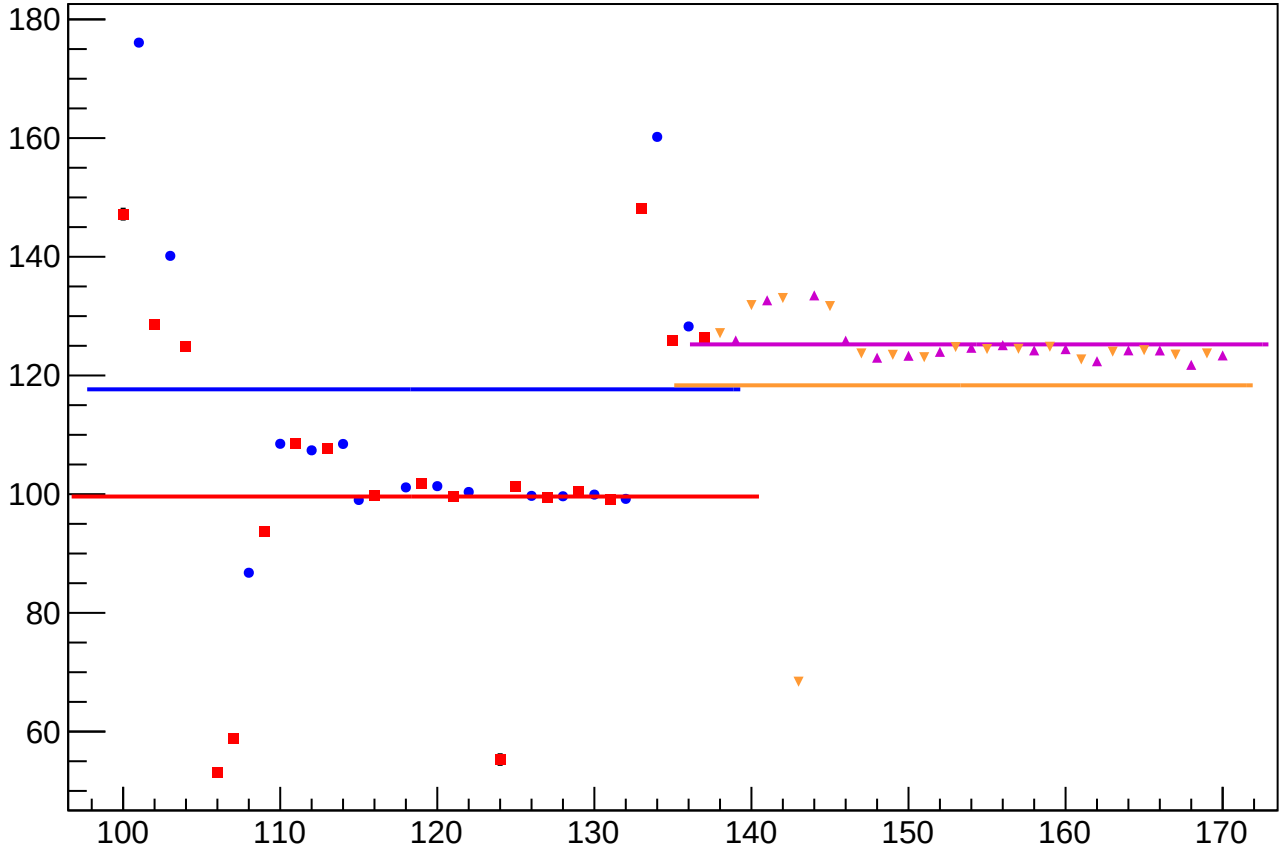
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.825+/-0.774 χ^2/NDF:666.9/31

Out: -70.369+/-0.729 χ^2/NDF:1092.4/35

All: -73.403+/-0.531 χ^2/NDF: 1796.1/67

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.343+/-0.043 χ^2/NDF:198047.7/16

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

Left: 121.675+/-0.031 χ^2/NDF: 215228.7/32

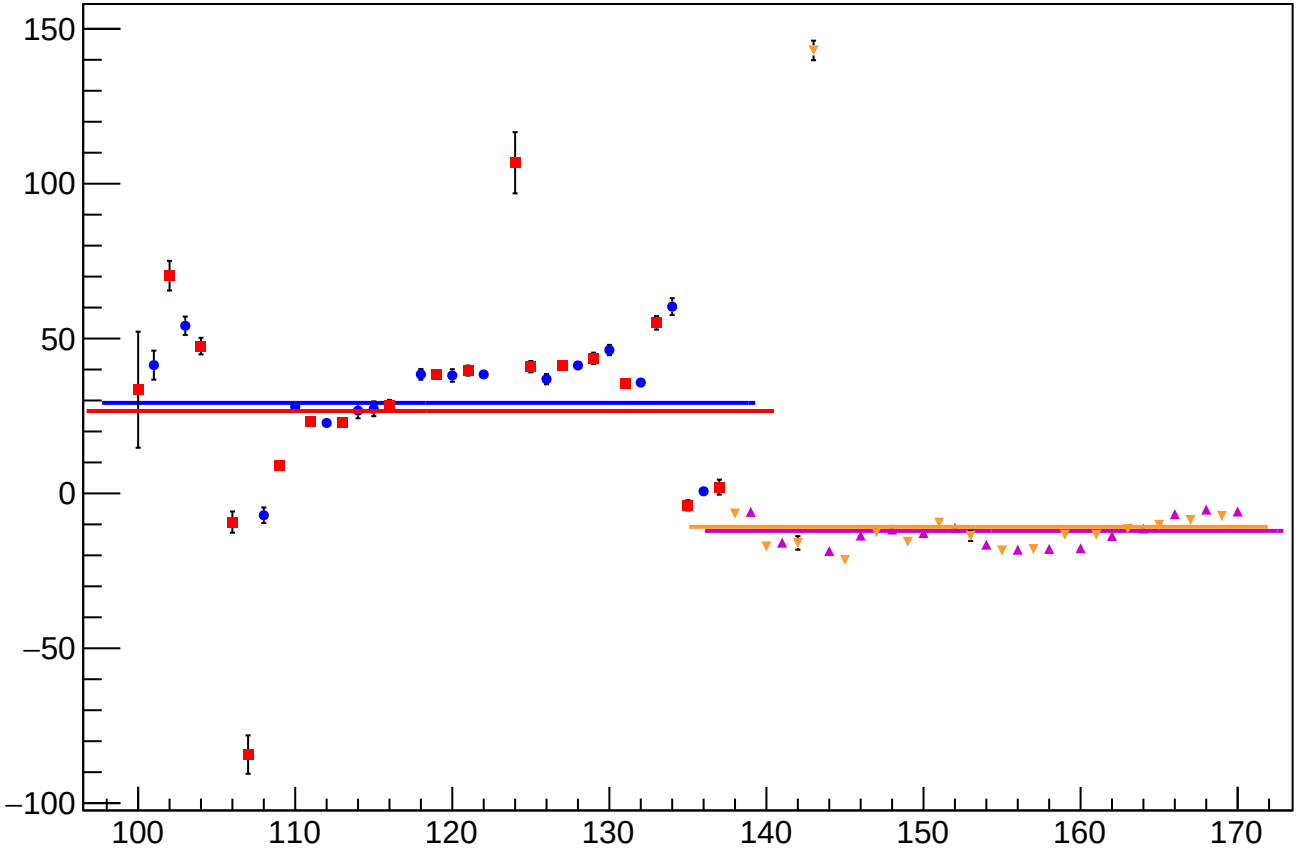
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.175+/-0.037 χ^2/NDF:415736.5/35

All: 118.002+/-0.027 χ^2/NDF: 559237.6/67

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: -10.790+/-0.364 χ^2/NDF:2540.4/16

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.101+/-0.357 χ^2/NDF:167.6/15

Left: -11.458+/-0.255 χ^2/NDF: 2714.6/32

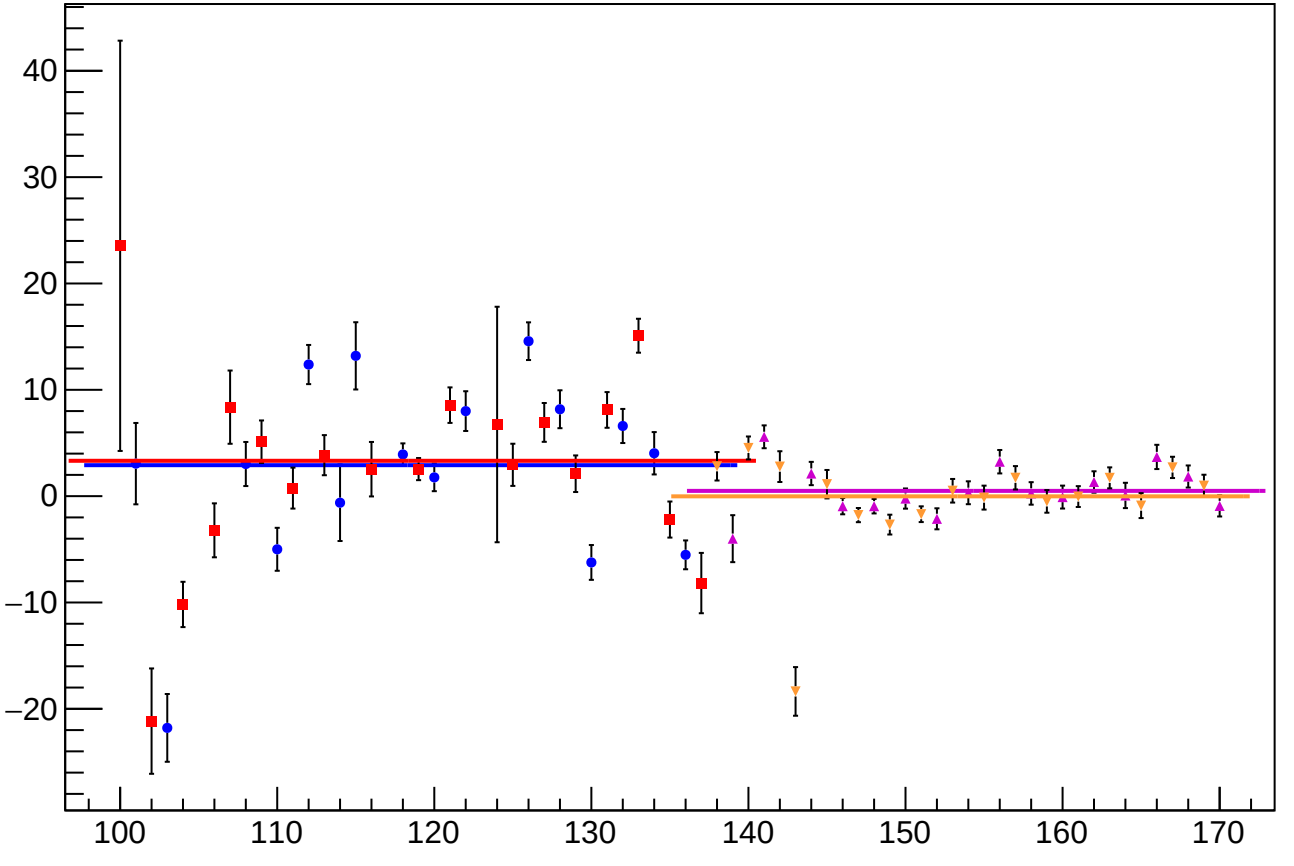
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.032+/-0.273 χ^2/NDF:7066.1/31

Out: 5.507+/-0.273 χ^2/NDF:9063.7/35

All: 5.269+/-0.193 χ^2/NDF: 16131.3/67

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: -0.018+/-0.251 χ^2/NDF:126.3/16

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.496+/-0.252 χ^2/NDF:63.3/15

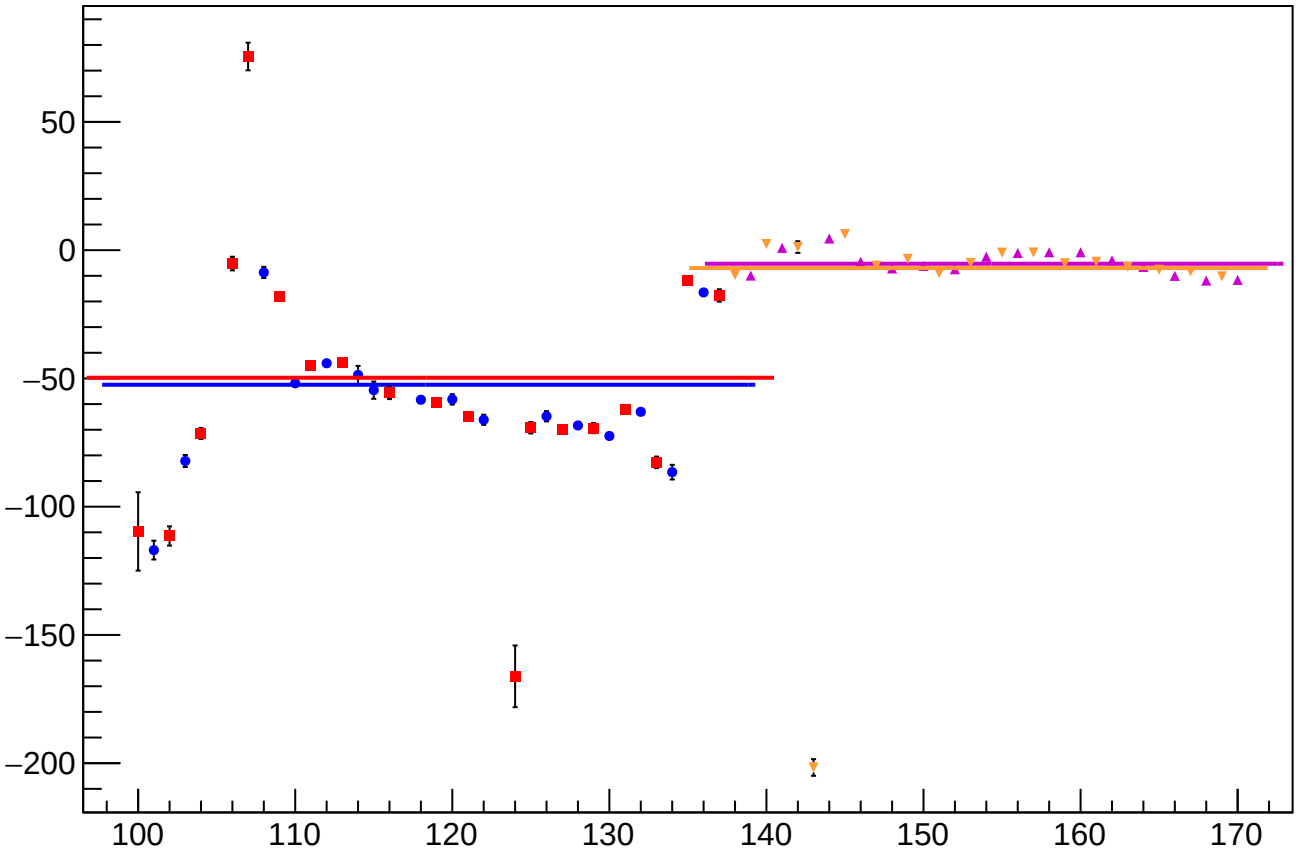
Left: 0.238+/-0.178 χ^2/NDF: 191.7/32

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.088+/-0.219 χ^2/NDF:335.8/31

Out: 0.764+/-0.219 χ^2/NDF:349.7/35

All: 0.926+/-0.155 χ^2/NDF: 686.6/67



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.981+/-0.355 χ^2/NDF:3794.7/16

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.290+/-0.348 χ^2/NDF:166.4/15

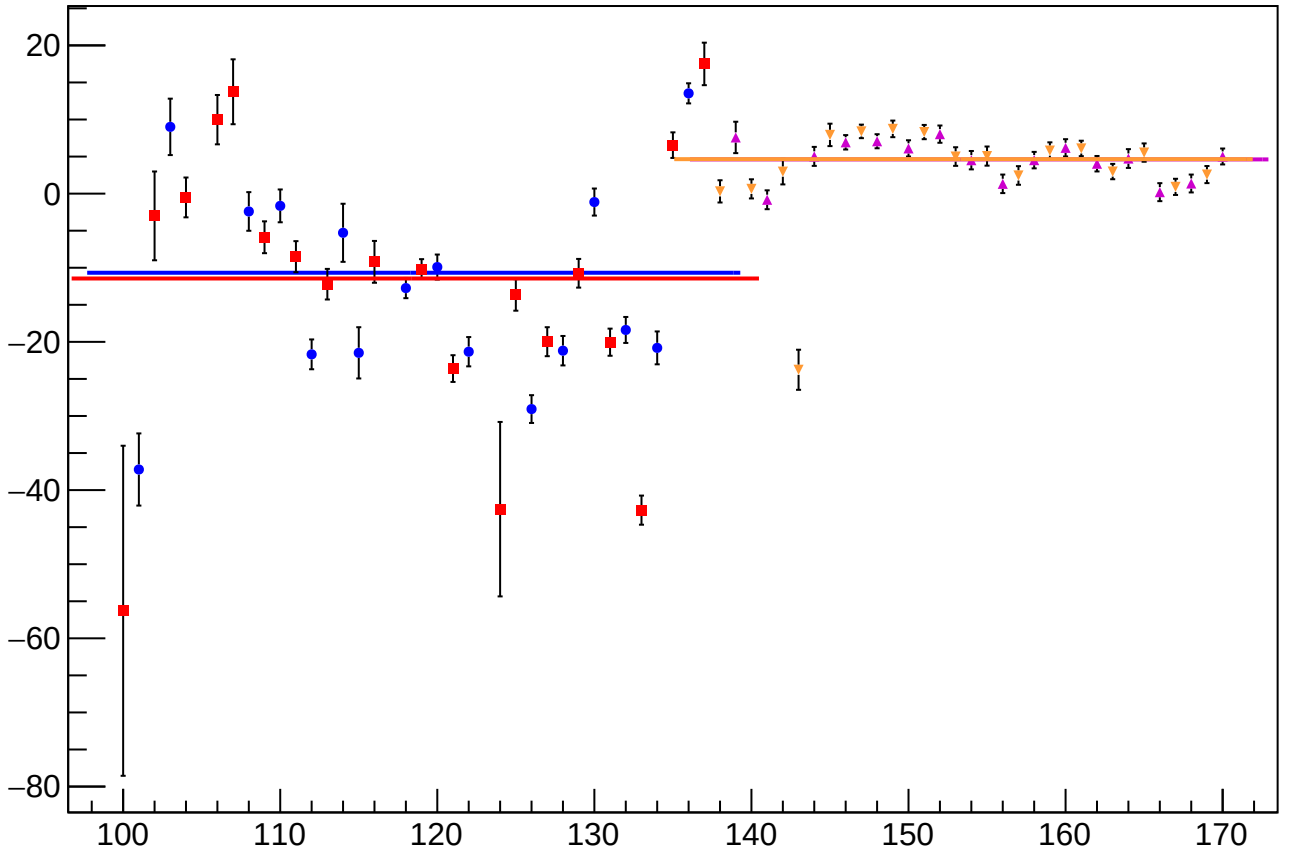
Left: -6.119+/-0.248 χ^2/NDF: 3972.7/32

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

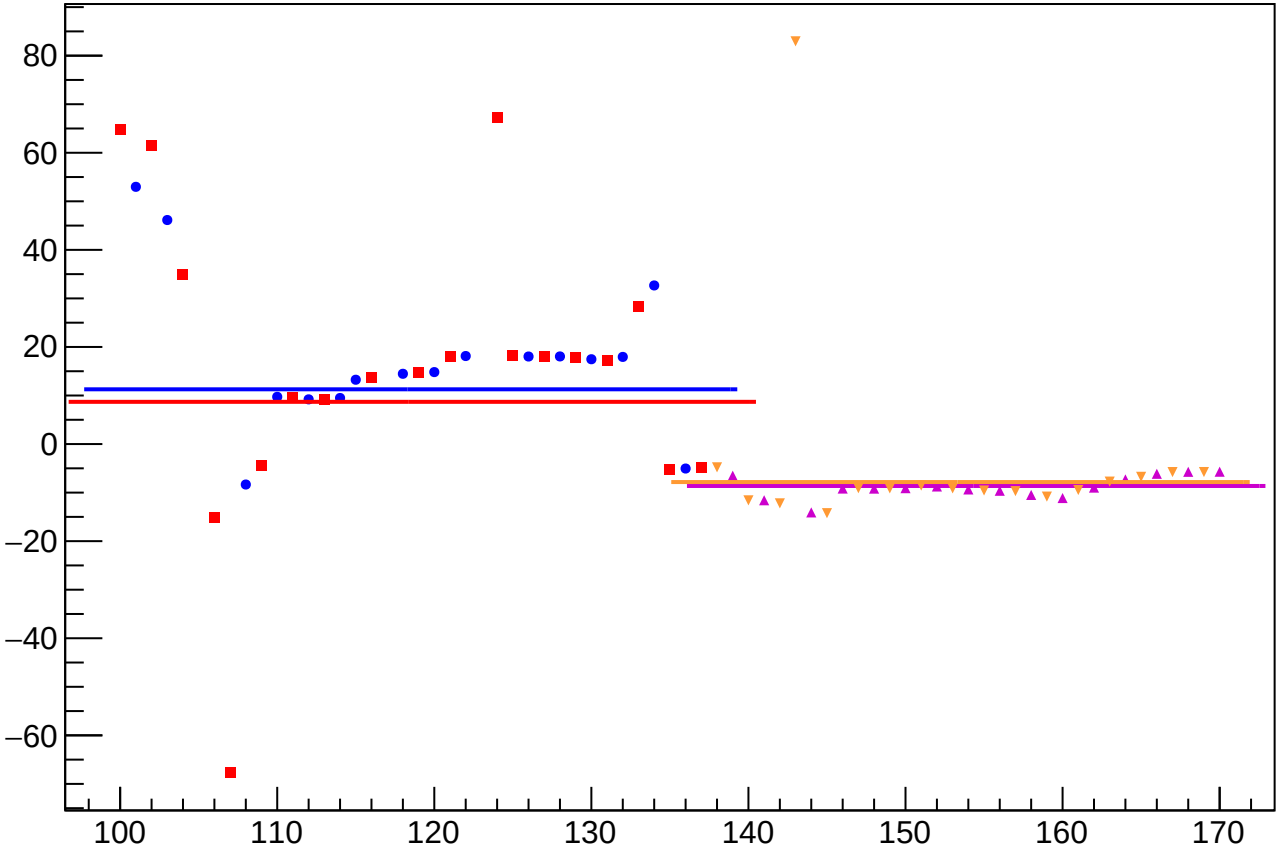
In: -21.176+/-0.283 χ^2/NDF:8701.0/31

Out: -21.516+/-0.288 χ^2/NDF:11747.1/35

All: -21.343+/-0.202 χ^2/NDF: 20448.9/67


reg_asym_atl1r2_dd_atl2r1_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: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 4.651+/-0.291 χ²/NDF:203.0/16
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 4.617+/-0.291 χ²/NDF:72.8/15
Left: 4.634+/-0.206 χ²/NDF: 275.8/32
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.807+/-0.252 χ²/NDF:1426.4/31
Out: 0.766+/-0.253 χ²/NDF:1607.3/35
All: 0.787+/-0.179 χ²/NDF: 3033.8/67

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.826+/-0.013 χ^2/NDF:485138.5/16

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.634+/-0.013 χ^2/NDF:26041.0/15

Left: -8.241+/-0.009 χ^2/NDF: 513088.7/32

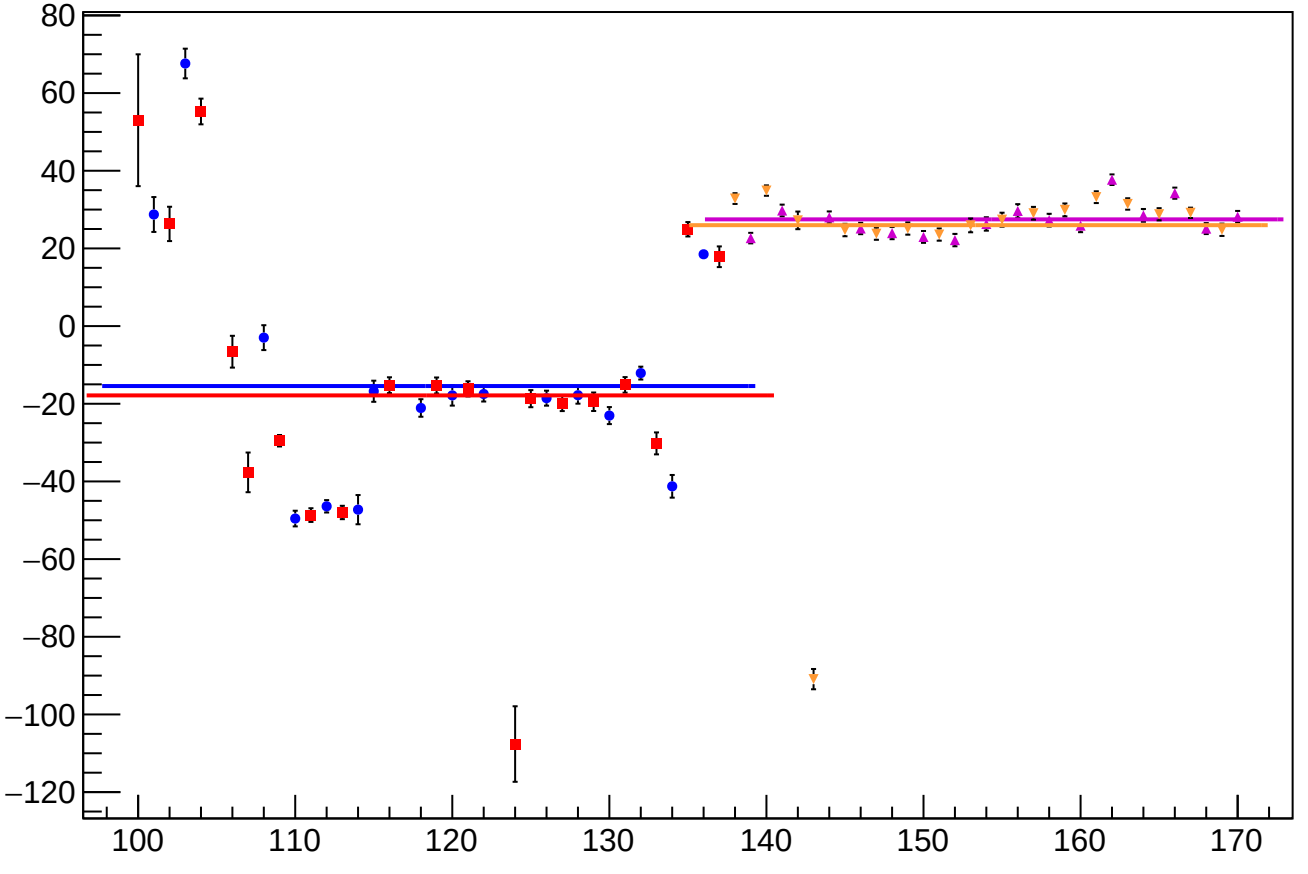
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.513+/-0.012 χ^2/NDF:748763.8/31

Out: -5.332+/-0.012 χ^2/NDF:1156108.9/35

All: -5.425+/-0.009 χ^2/NDF: 1904985.6/67

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.986+/-0.388 χ^2/NDF:2131.7/16

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.481+/-0.382 χ^2/NDF:127.3/15

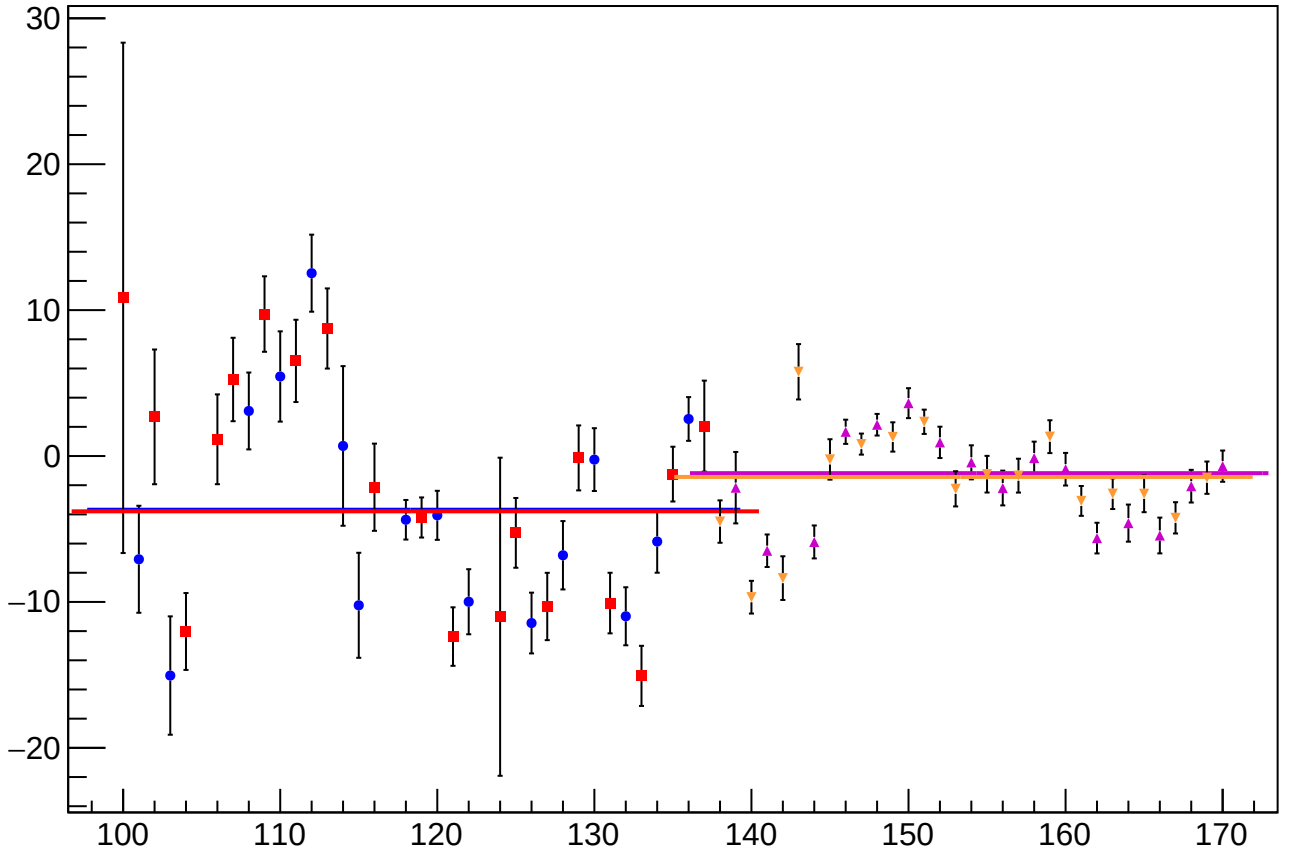
Left: 26.745+/-0.273 χ^2/NDF: 2266.5/32

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.108+/-0.312 χ^2/NDF:6468.0/31

Out: 10.656+/-0.313 χ^2/NDF:8711.0/35

All: 11.887+/-0.221 χ^2/NDF: 15209.8/67



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.432+/-0.268 χ^2/NDF:150.9/16

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.174+/-0.270 χ^2/NDF:138.0/15

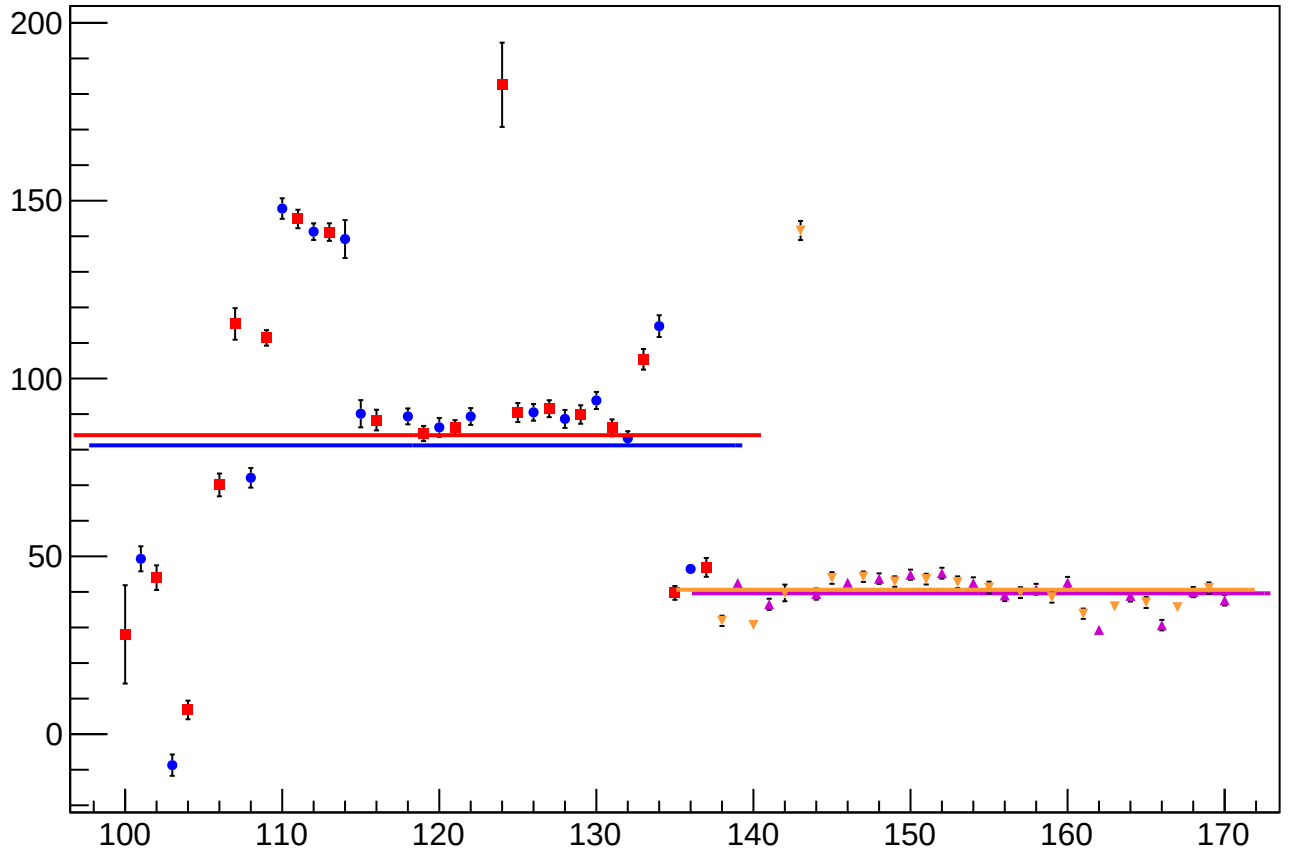
Left: -1.304+/-0.190 χ^2/NDF: 289.3/32

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.657+/-0.242 χ^2/NDF:278.6/31

Out: -1.868+/-0.242 χ^2/NDF:326.3/35

All: -1.762+/-0.171 χ^2/NDF: 605.3/67



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 40.620+/-0.379 χ^2/NDF:1573.1/16

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.603+/-0.372 χ^2/NDF:156.5/15

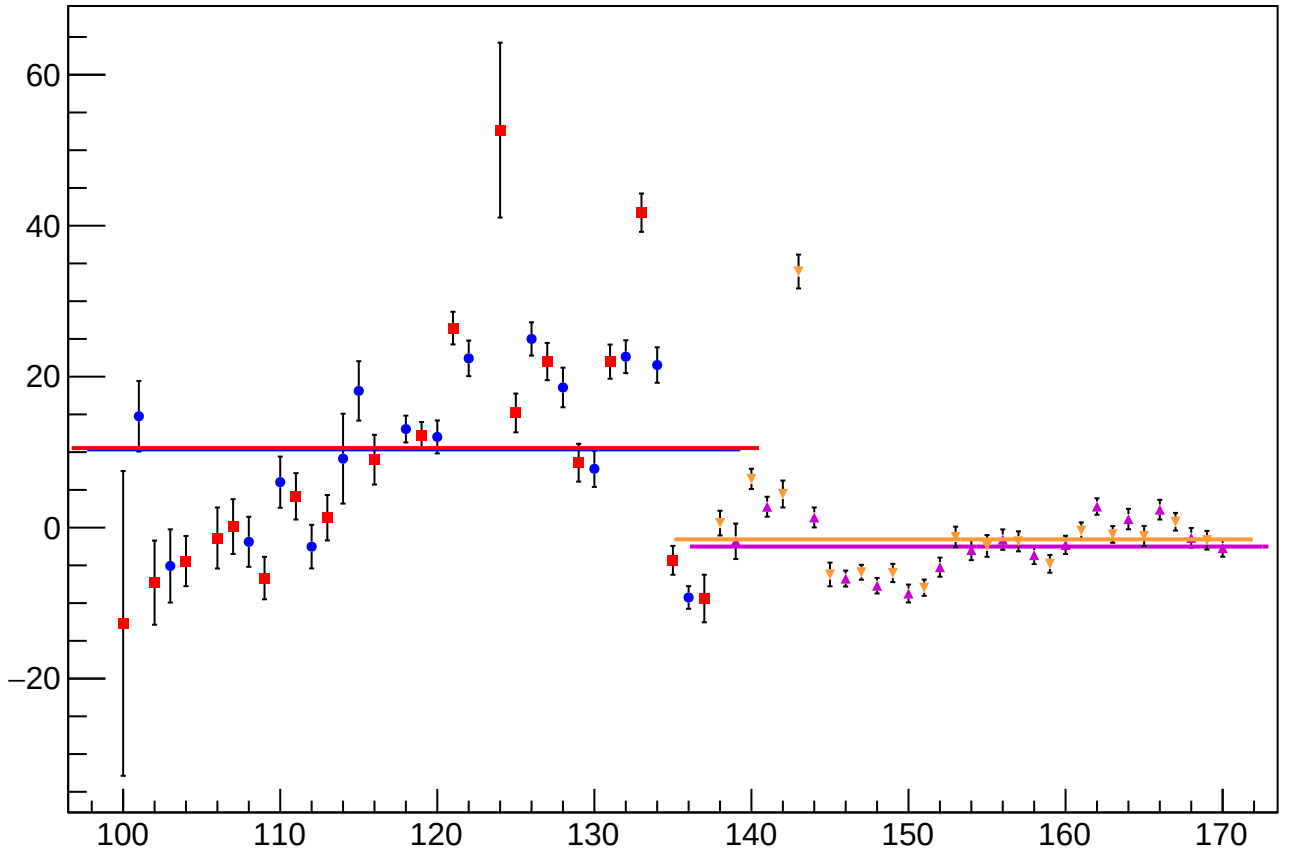
Left: 40.103+/-0.266 χ^2/NDF: 1733.3/32

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.976+/-0.317 χ^2/NDF:6799.3/31

Out: 52.533+/-0.323 χ^2/NDF:8386.6/35

All: 51.742+/-0.226 χ^2/NDF: 15197.7/67



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.556+/-0.311 χ^2/NDF:390.0/16

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.508+/-0.311 χ^2/NDF:145.4/15

Left: -2.032+/-0.220 χ^2/NDF: 540.2/32

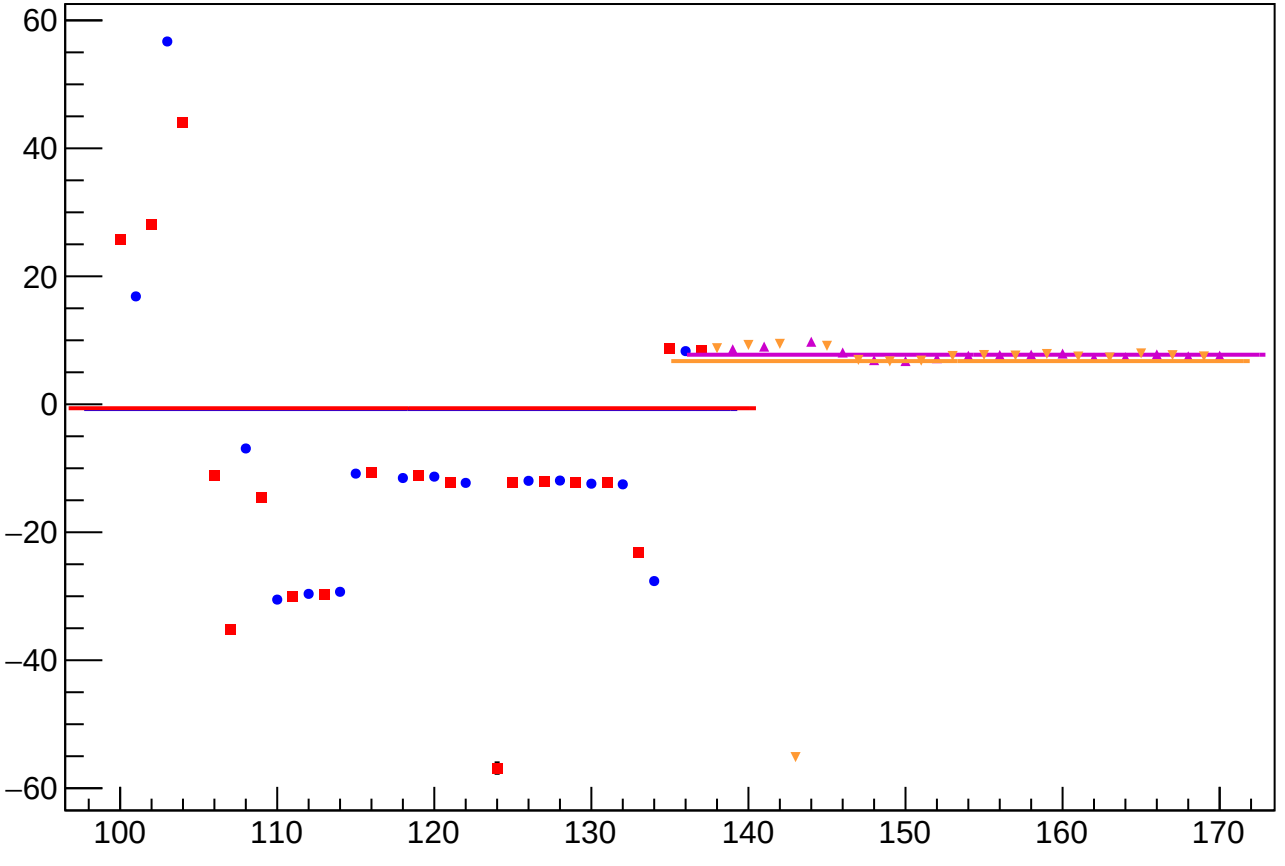
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.042+/-0.279 χ^2/NDF:843.9/31

Out: 0.754+/-0.280 χ^2/NDF:1149.5/35

All: 0.397+/-0.198 χ^2/NDF: 1996.6/67

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.749+/-0.014 χ^2/NDF:314259.0/16

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.746+/-0.014 χ^2/NDF:2330.1/15

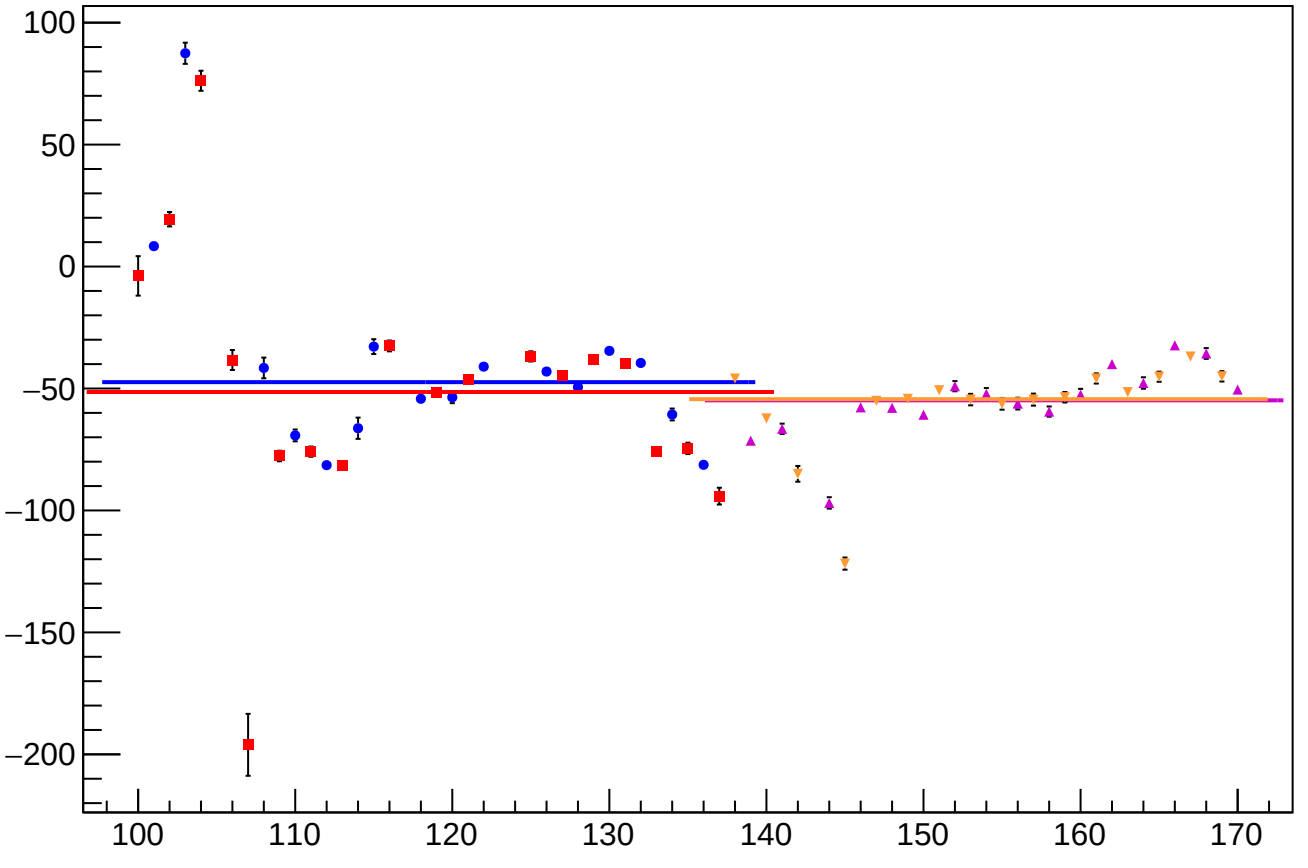
Left: 7.259+/-0.010 χ^2/NDF: 319120.1/32

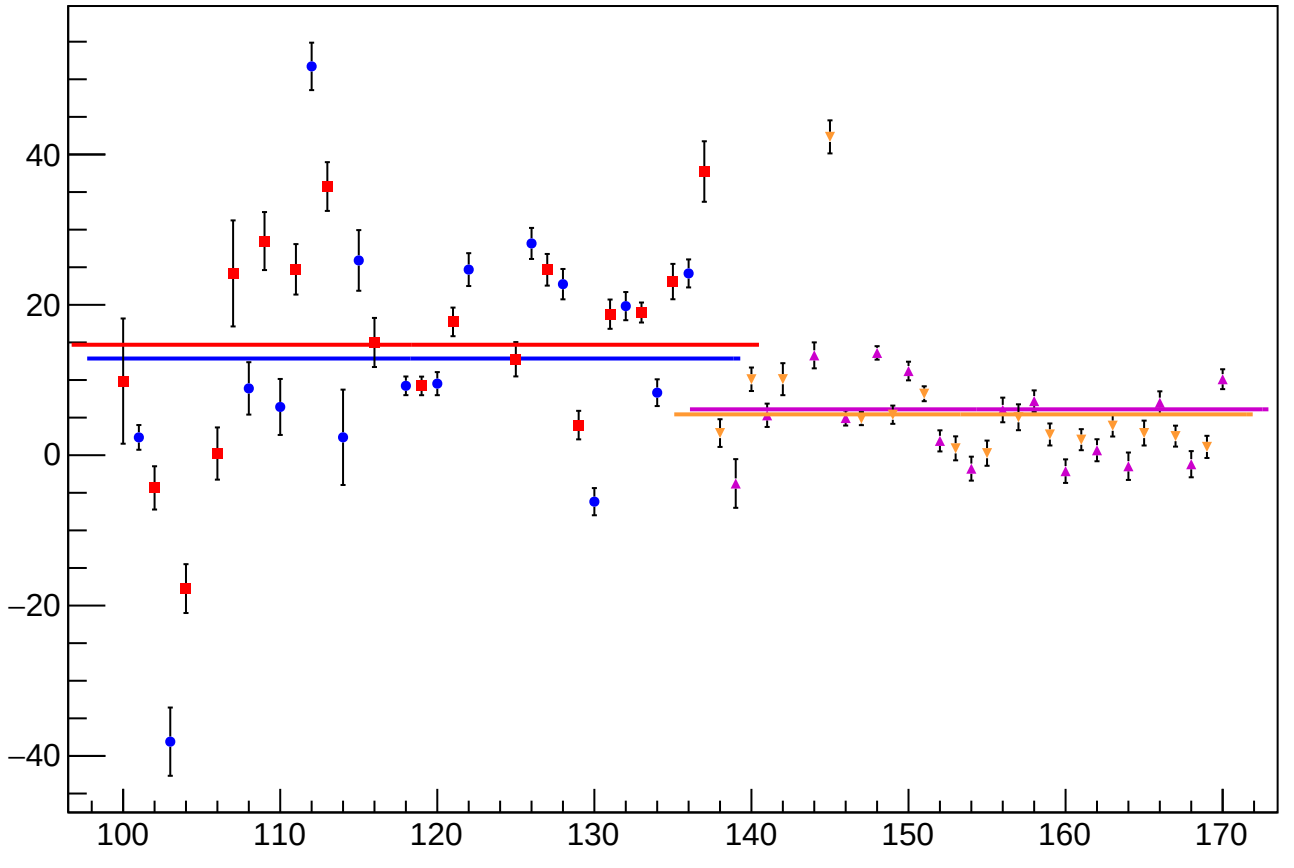
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.646+/-0.013 χ^2/NDF:419073.9/31

Out: 5.820+/-0.013 χ^2/NDF:664788.1/35

All: 6.244+/-0.009 χ^2/NDF: 1085854.3/67


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -54.387+/-0.521 χ²/NDF:1024.8/15
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -54.857+/-0.509 χ²/NDF:780.9/15
Left: -54.628+/-0.364 χ²/NDF: 1806.1/31
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -51.315+/-0.369 χ²/NDF:3652.0/31
Out: -52.982+/-0.377 χ²/NDF:3912.8/33
All: -52.131+/-0.263 χ²/NDF: 7574.8/65



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.432+/-0.352 χ^2/NDF:348.2/15

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.103+/-0.353 χ^2/NDF:234.8/15

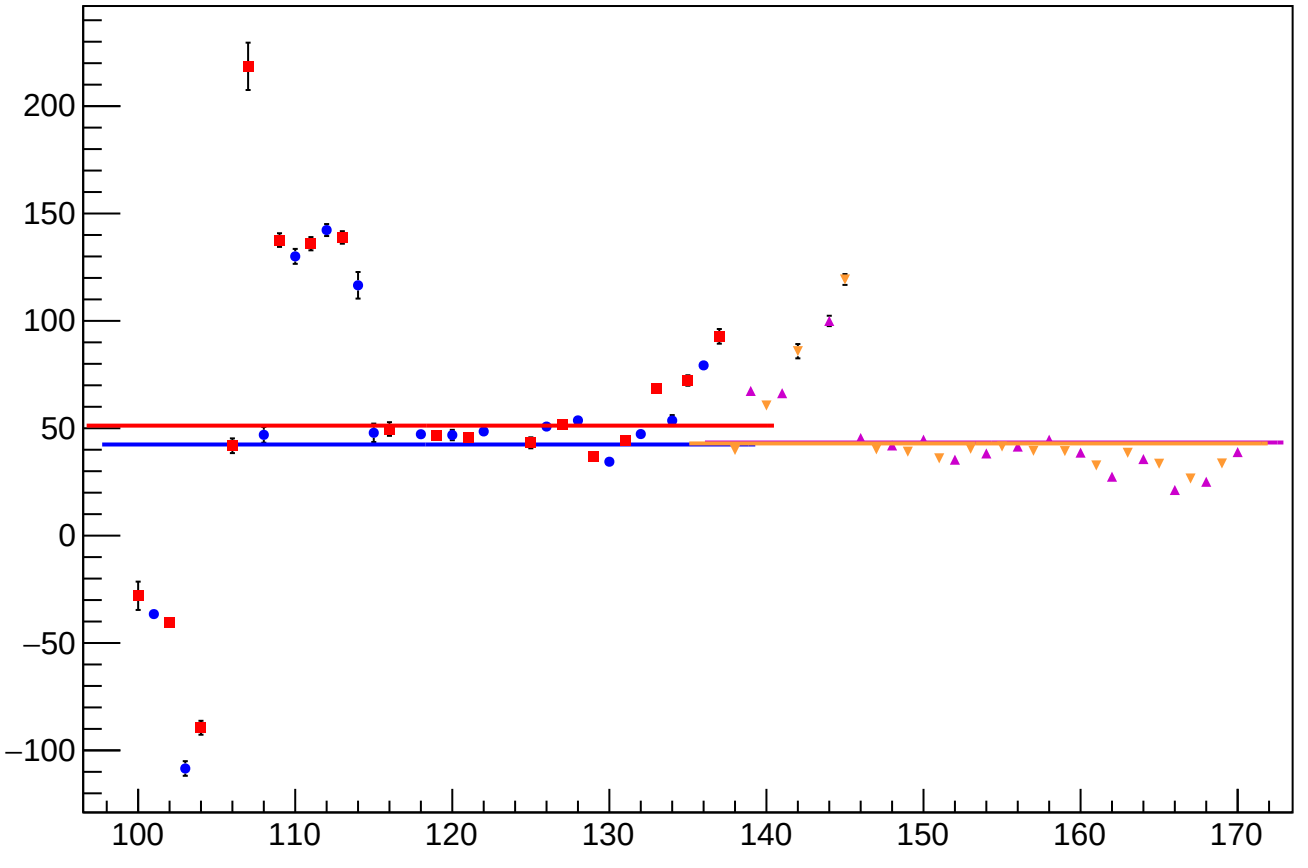
Left: 5.767+/-0.250 χ^2/NDF: 584.8/31

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.245+/-0.292 χ^2/NDF:976.2/31

Out: 8.167+/-0.296 χ^2/NDF:916.3/33

All: 8.207+/-0.208 χ^2/NDF: 1892.5/65



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 42.931+/-0.507 χ^2/NDF:1357.0/15

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 43.366+/-0.494 χ^2/NDF:1165.1/15

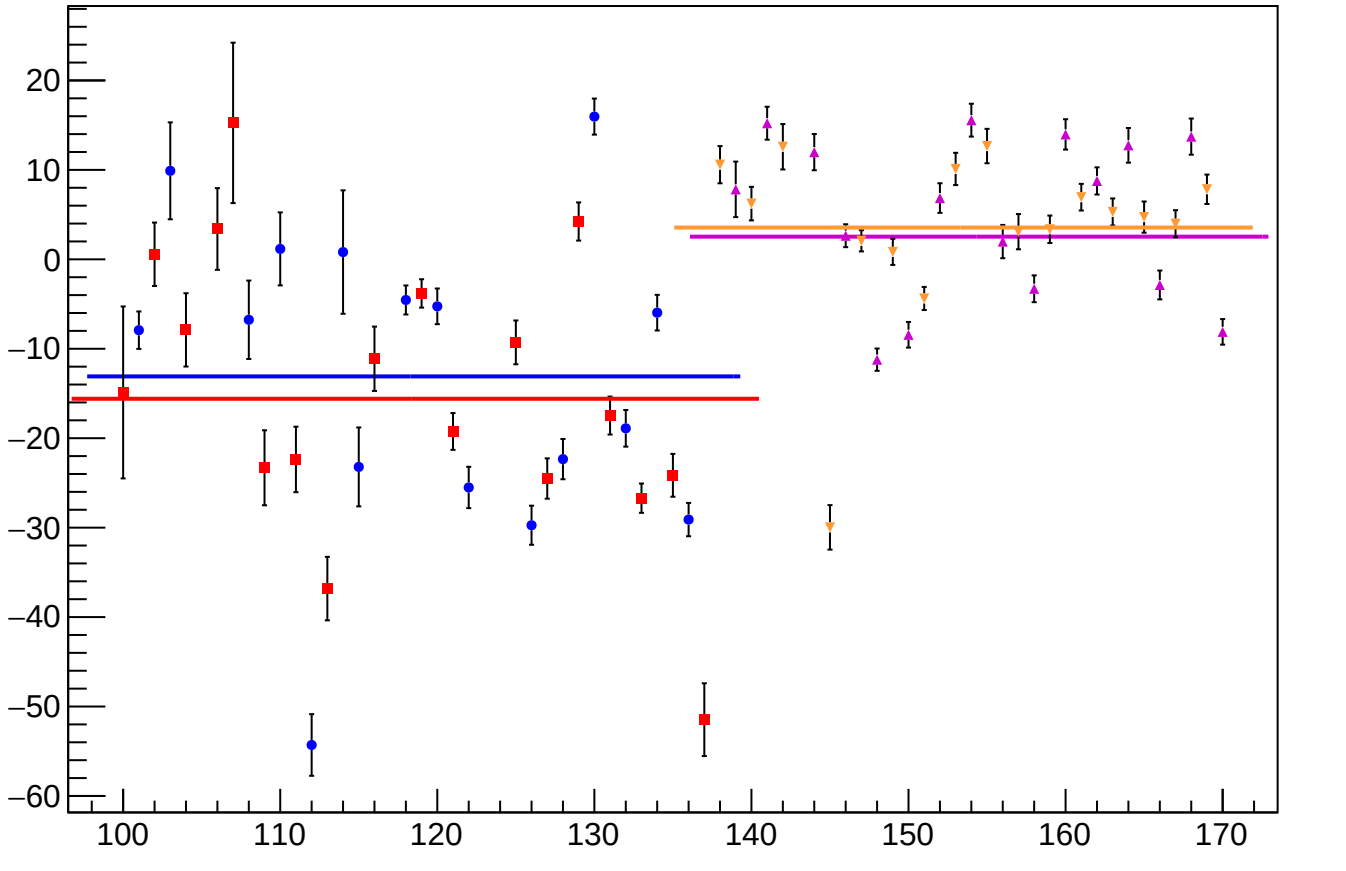
Left: 43.154+/-0.354 χ^2/NDF: 2522.4/31

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 42.978+/-0.377 χ^2/NDF:8335.5/31

Out: 46.285+/-0.391 χ^2/NDF:8076.7/33

All: 44.573+/-0.272 χ^2/NDF: 16449.2/65



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.555+/-0.412 χ^2/NDF:299.7/15

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.535+/-0.410 χ^2/NDF:511.7/15

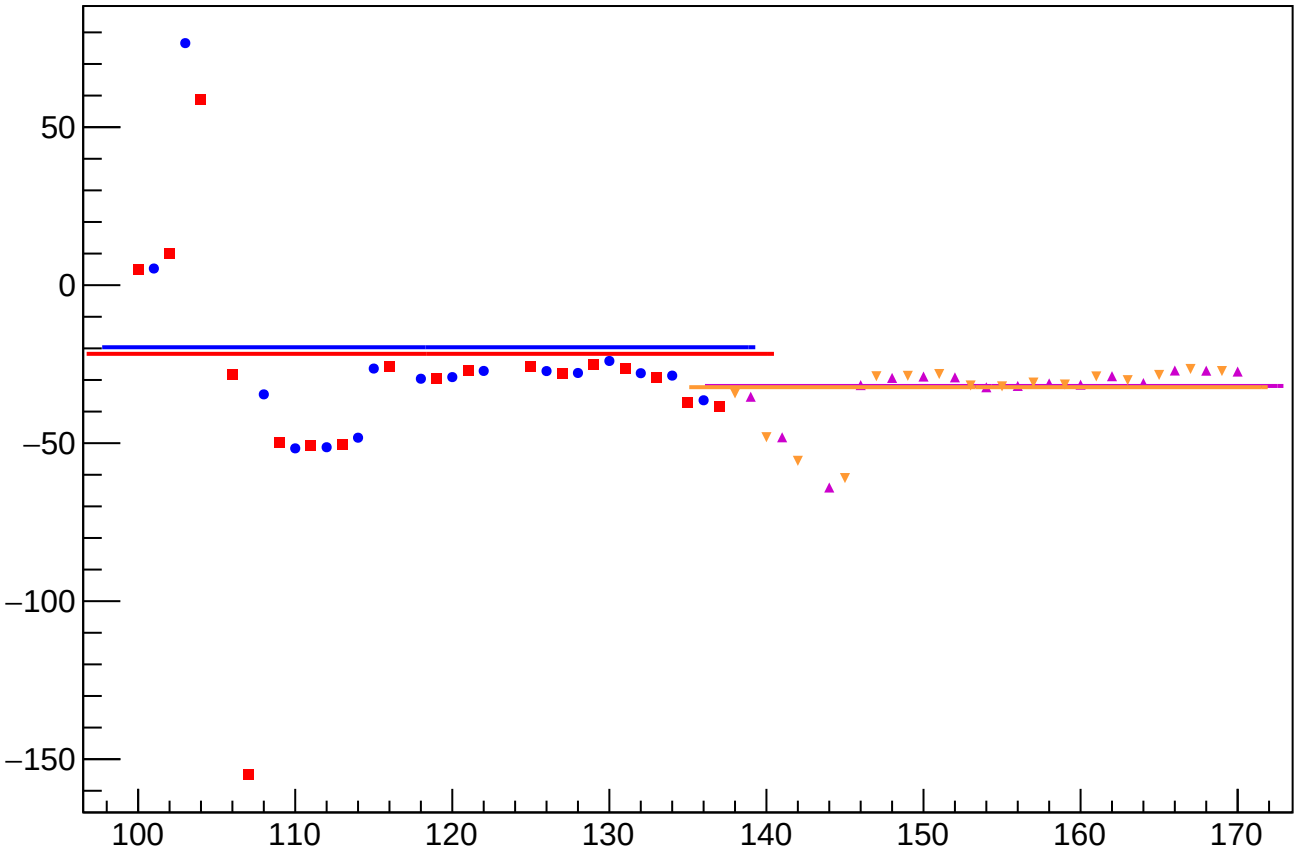
Left: 3.043+/-0.291 χ^2/NDF: 814.5/31

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.445+/-0.339 χ^2/NDF:1614.1/31

Out: -2.215+/-0.344 χ^2/NDF:1353.1/33

All: -2.332+/-0.241 χ^2/NDF: 2967.5/65



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -32.282+/-0.019 χ^2/NDF:174469.9/15

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -31.895+/-0.018 χ^2/NDF:144825.1/15

Left: -32.082+/-0.013 χ^2/NDF: 319507.8/31

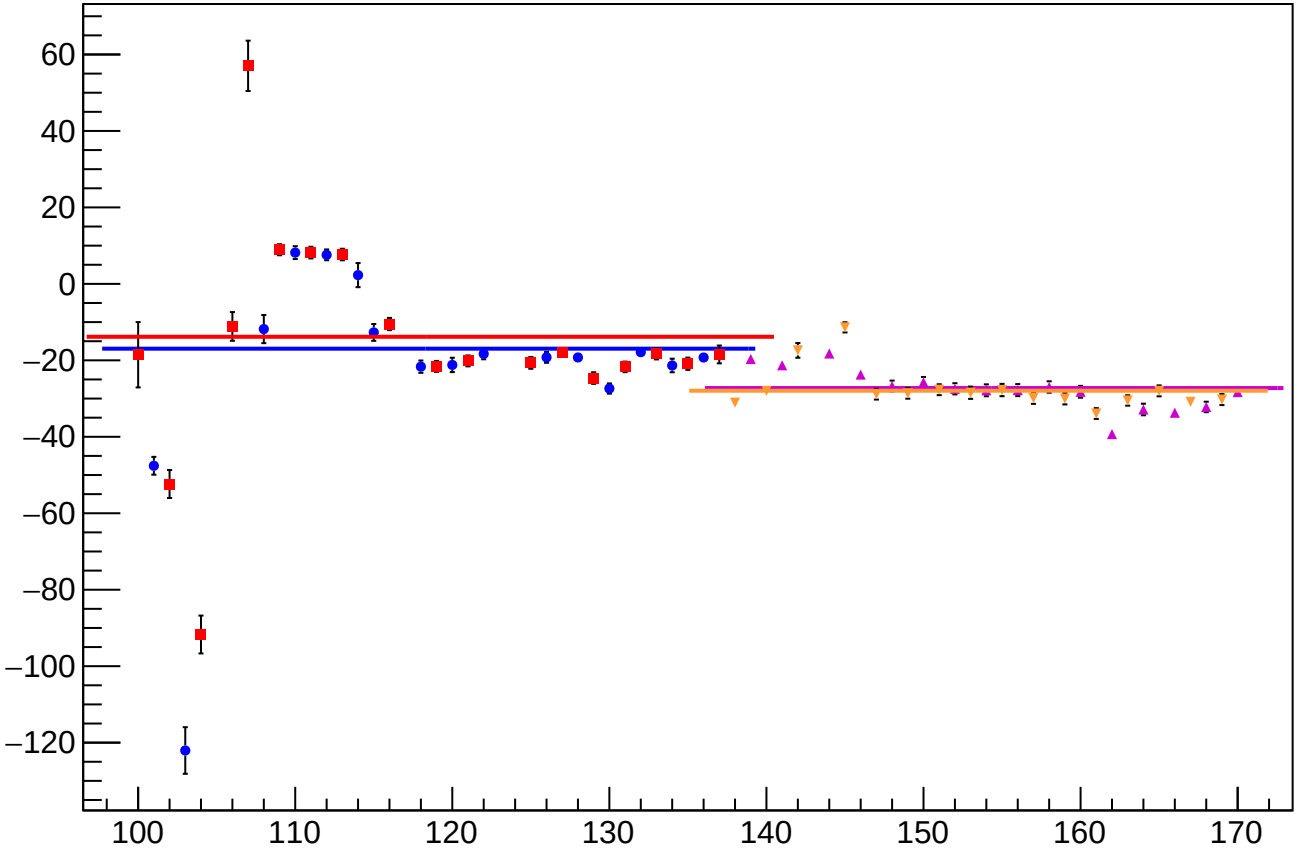
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.360+/-0.016 χ^2/NDF:883028.7/31

Out: -30.242+/-0.017 χ^2/NDF:780523.9/33

All: -29.783+/-0.012 χ^2/NDF: 1664937.8/65

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.946+/-0.352 χ^2/NDF:224.5/15

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.251+/-0.343 χ^2/NDF:264.9/15

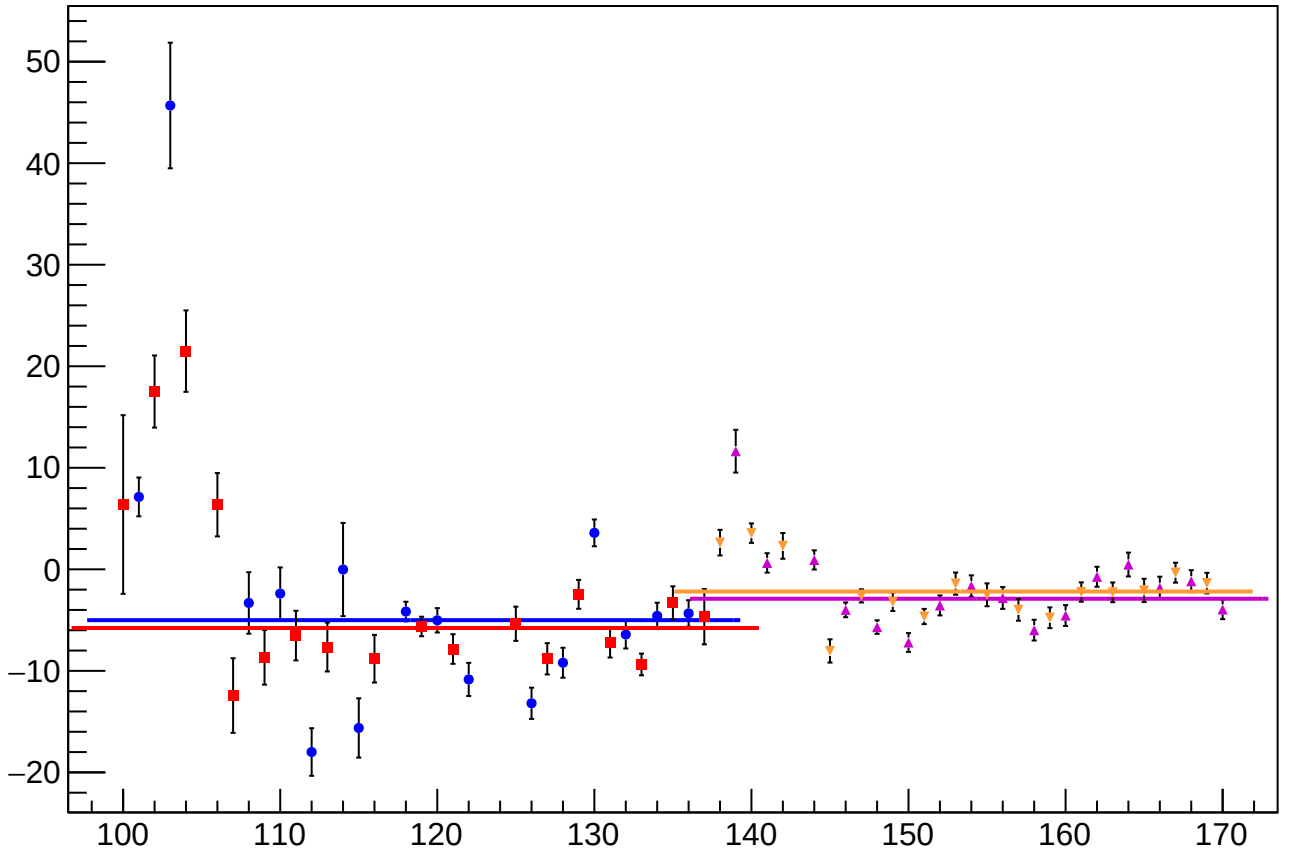
Left: -27.590+/-0.246 χ^2/NDF: 491.4/31

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -22.930+/-0.262 χ^2/NDF:1770.8/31

Out: -21.951+/-0.267 χ^2/NDF:2241.4/33

All: -22.450+/-0.187 χ^2/NDF: 4019.1/65



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.186+/-0.244 χ^2/NDF:115.6/15

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.899+/-0.243 χ^2/NDF:150.2/15

Left: -2.544+/-0.172 χ^2/NDF: 270.2/31

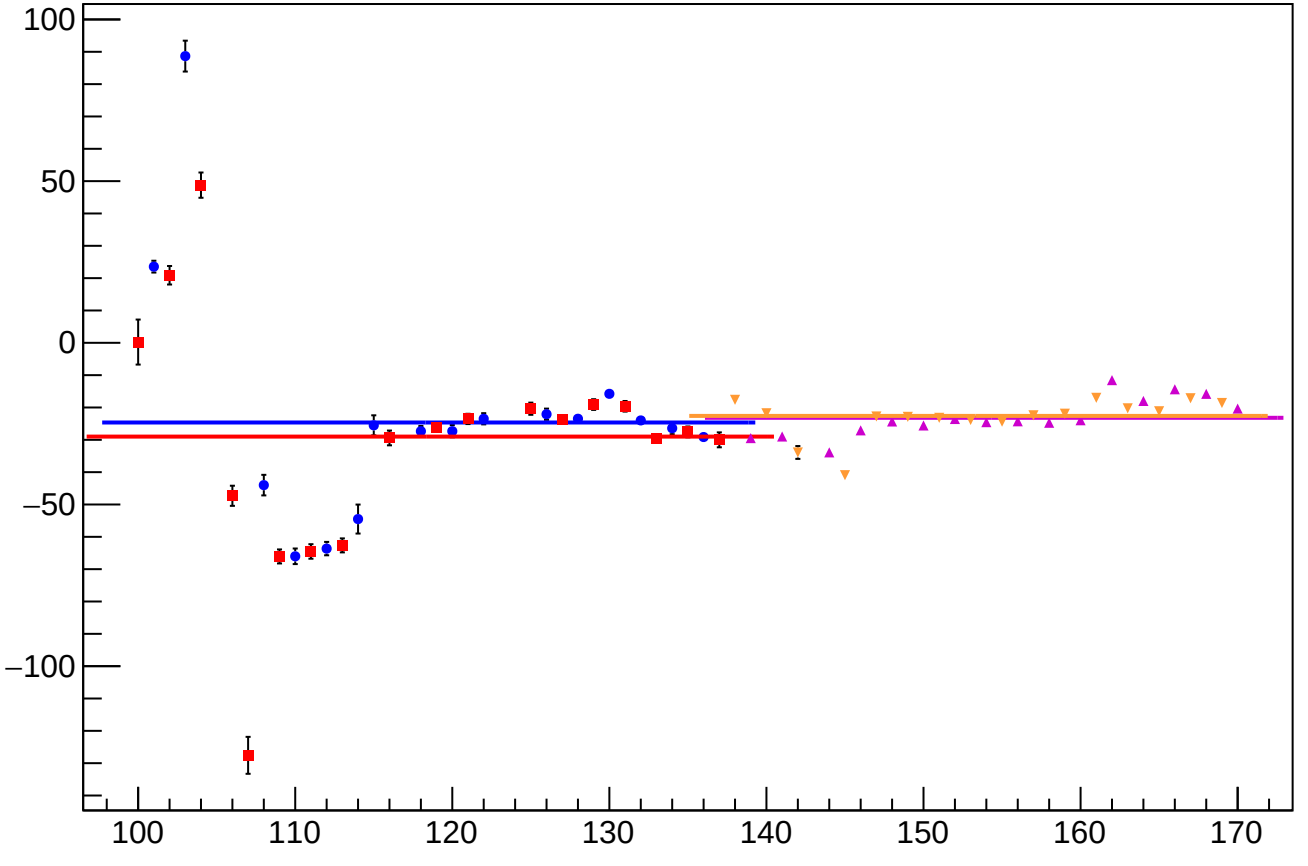
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.464+/-0.208 χ^2/NDF:418.2/31

Out: -3.092+/-0.211 χ^2/NDF:309.9/33

All: -3.281+/-0.148 χ^2/NDF: 729.6/65

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.602+/-0.343 χ^2/NDF:280.5/15

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -23.190+/-0.335 χ^2/NDF:310.1/15

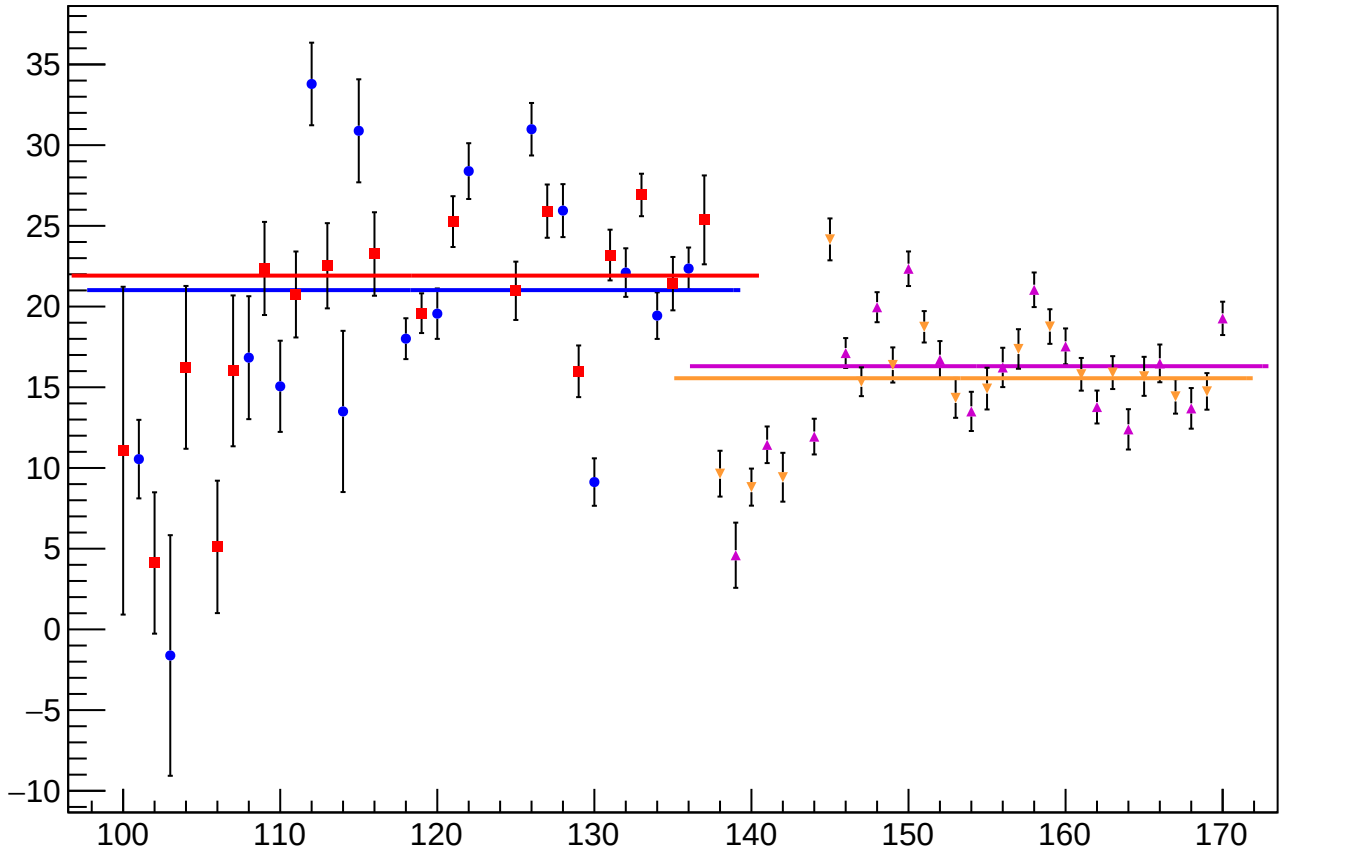
Left: -22.903+/-0.240 χ^2/NDF: 592.1/31

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.700+/-0.270 χ^2/NDF:2368.5/31

Out: -24.797+/-0.278 χ^2/NDF:2352.0/33

All: -24.231+/-0.194 χ^2/NDF: 4728.5/65



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.560+/-0.283 χ^2/NDF:137.7/15

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.305+/-0.280 χ^2/NDF:170.2/15

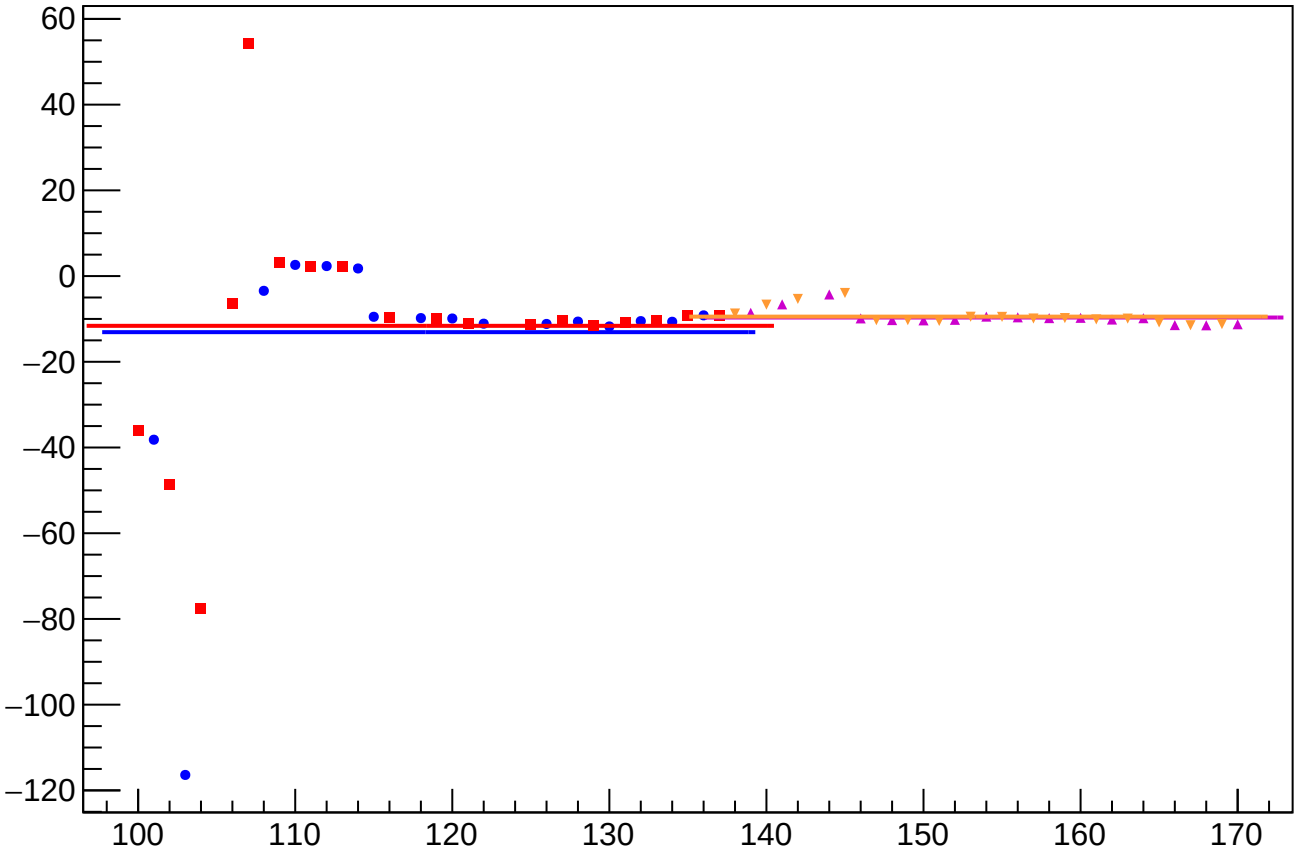
Left: 15.936+/-0.199 χ^2/NDF: 311.4/31

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.590+/-0.239 χ^2/NDF:456.8/31

Out: 17.205+/-0.243 χ^2/NDF:351.1/33

All: 17.401+/-0.171 χ^2/NDF: 809.2/65



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.464+/-0.013 χ^2/NDF:21198.5/15

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.671+/-0.012 χ^2/NDF:16551.4/15

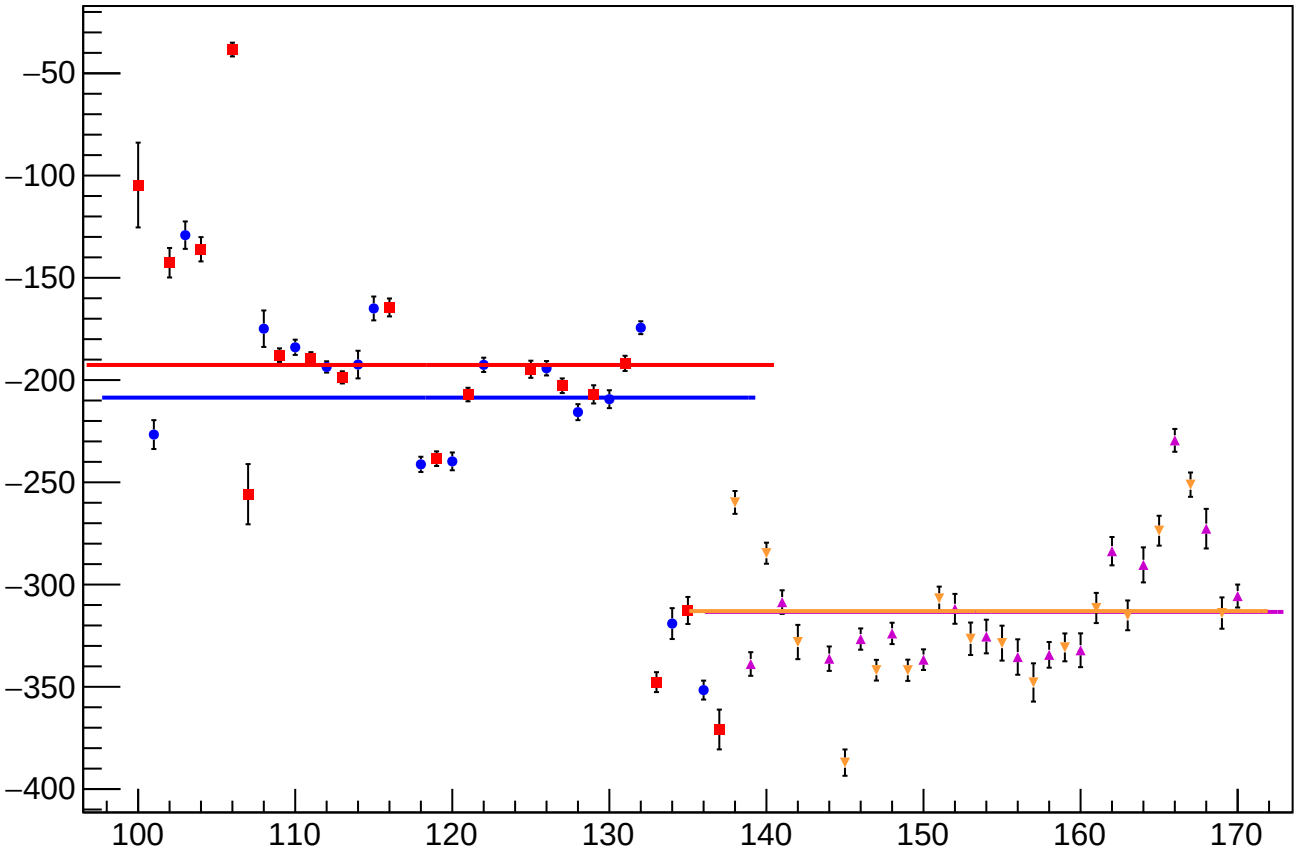
Left: -9.571+/-0.009 χ^2/NDF: 37883.5/31

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.223+/-0.011 χ^2/NDF:373604.9/31

Out: -9.781+/-0.012 χ^2/NDF:339494.9/33

All: -10.011+/-0.008 χ^2/NDF: 713819.3/65



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -312.972+/-1.627 χ^2/NDF:485.5/15

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -313.377+/-1.588 χ^2/NDF:362.3/15

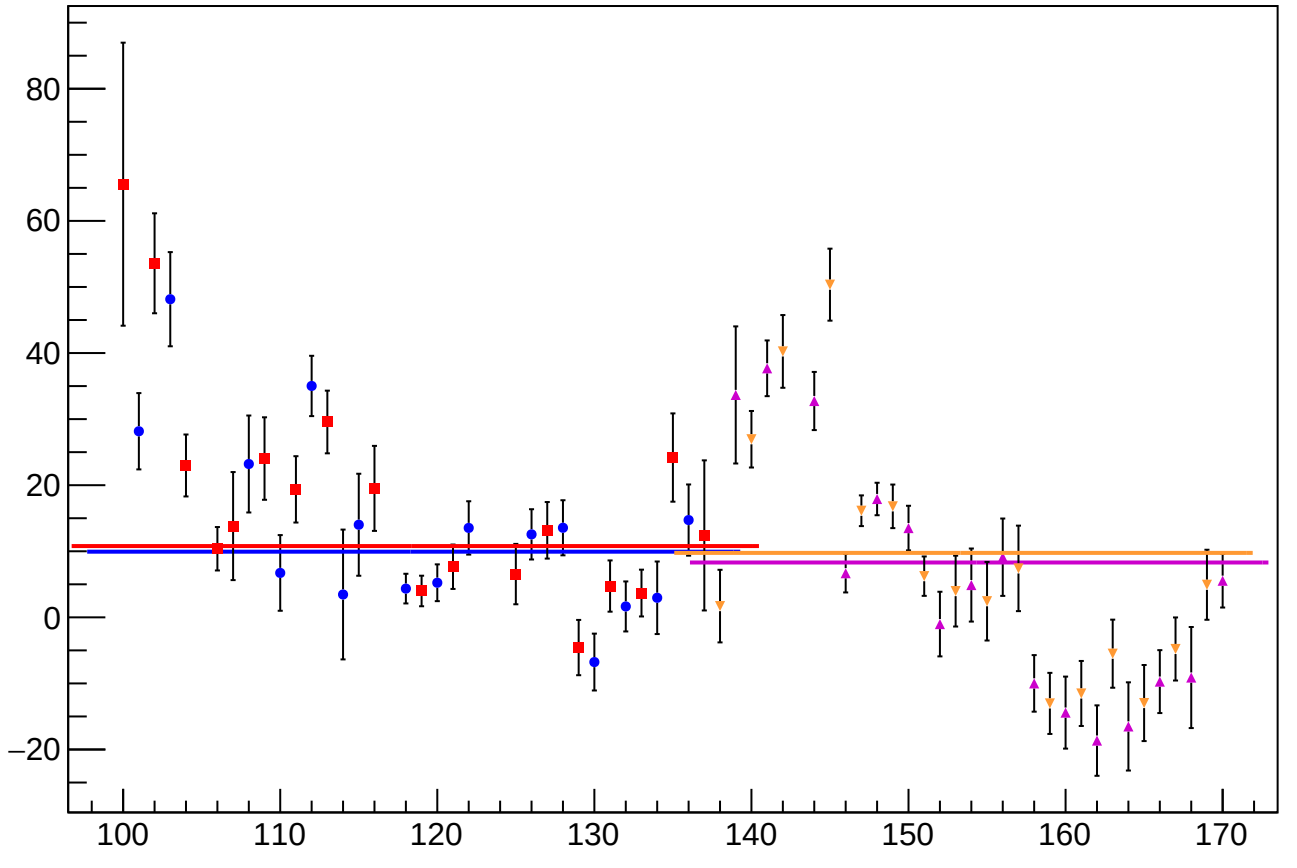
Left: -313.180+/-1.136 χ^2/NDF: 847.8/31

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -241.159+/-0.885 χ^2/NDF:5114.4/31

Out: -225.575+/-0.851 χ^2/NDF:8668.3/33

All: -233.061+/-0.614 χ^2/NDF: 13943.8/65



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.755+/-1.074 χ^2/NDF:198.2/15

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.301+/-1.078 χ^2/NDF:202.4/15

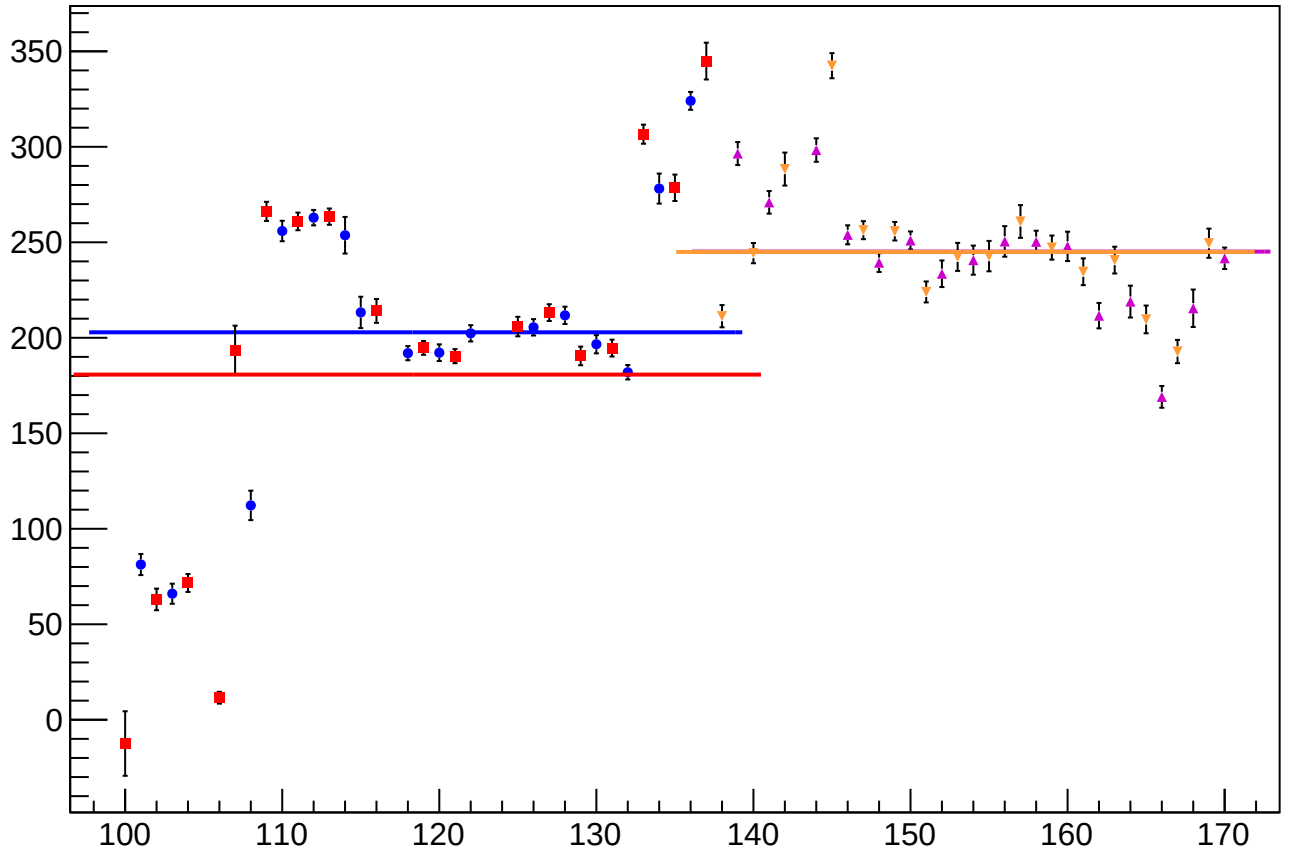
Left: 9.031+/-0.761 χ^2/NDF: 401.6/31

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.129+/-0.758 χ^2/NDF:310.1/31

Out: 10.287+/-0.749 χ^2/NDF:303.8/33

All: 9.715+/-0.533 χ^2/NDF: 615.1/65



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 244.962+/-1.583 χ^2/NDF:407.6/15

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 245.132+/-1.543 χ^2/NDF:399.7/15

Left: 245.049+/-1.105 χ^2/NDF: 807.3/31

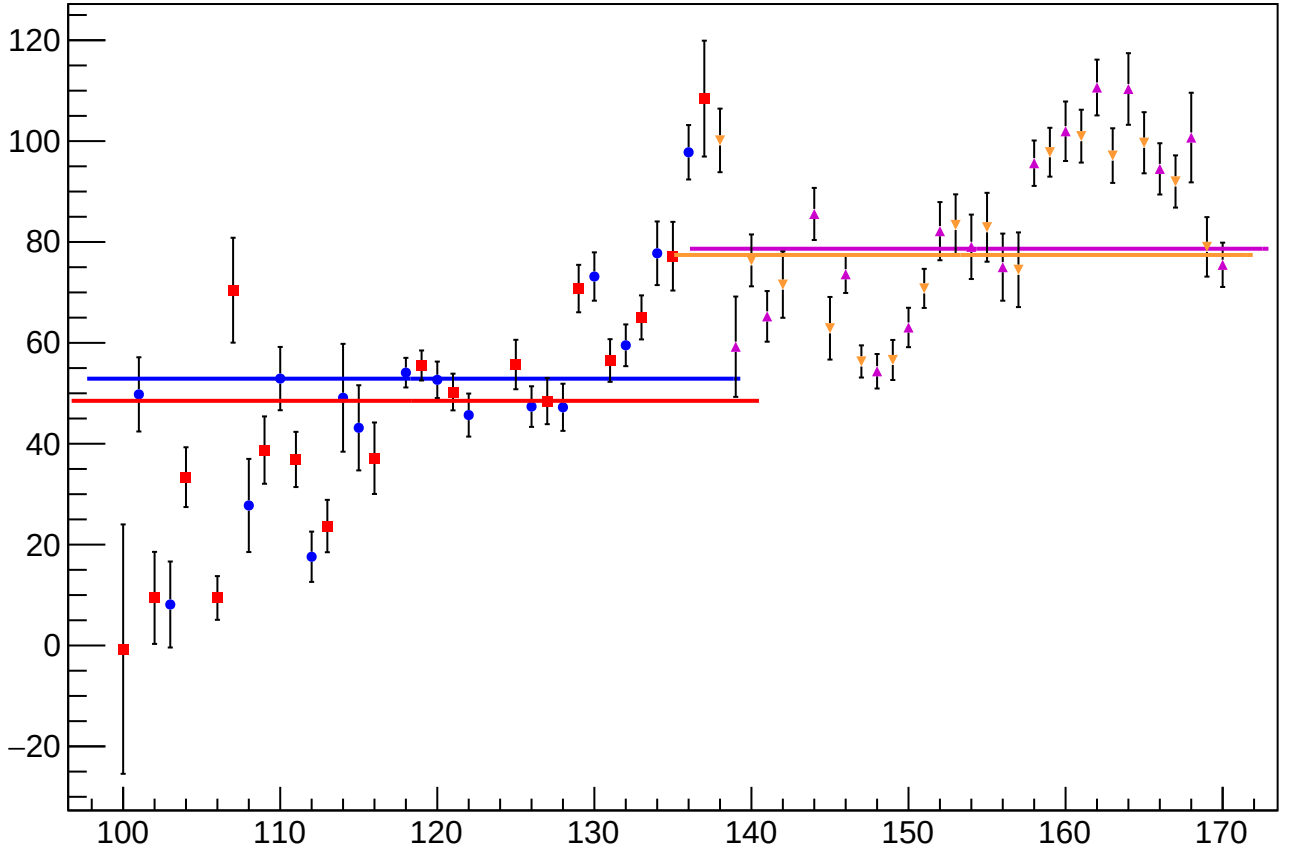
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.215+/-0.960 χ^2/NDF:3323.6/31

Out: 202.752+/-0.927 χ^2/NDF:7836.9/33

All: 210.698+/-0.667 χ^2/NDF: 11312.8/65

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.425+/-1.276 χ^2/NDF:167.9/15

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.662+/-1.268 χ^2/NDF:181.2/15

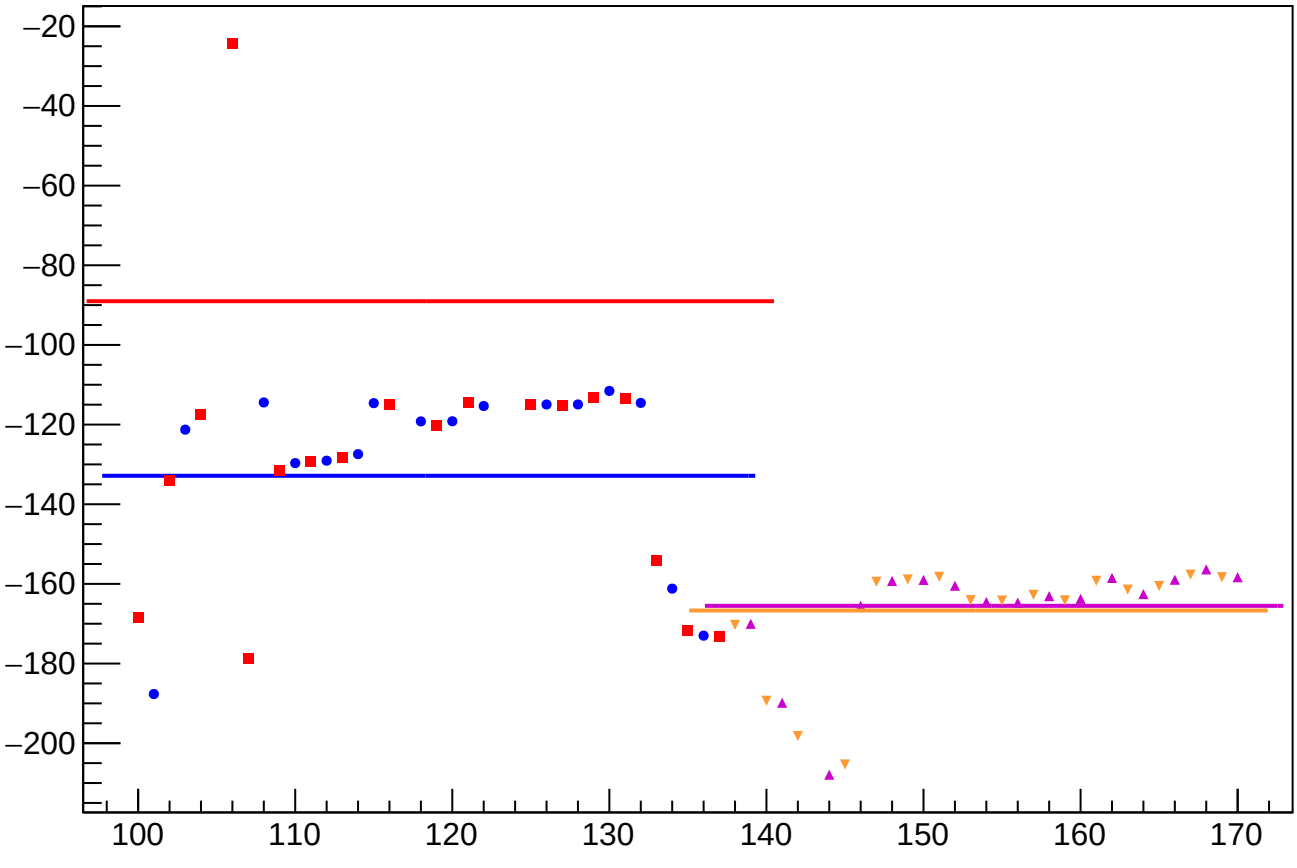
Left: 78.047+/-0.900 χ^2/NDF: 349.6/31

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.510+/-0.887 χ^2/NDF:590.3/31

Out: 62.247+/-0.880 χ^2/NDF:677.3/33

All: 63.865+/-0.625 χ^2/NDF: 1274.4/65



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -166.683+/-0.061 χ^2/NDF:48486.9/15

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -165.510+/-0.059 χ^2/NDF:40684.5/15

Left: -166.074+/-0.042 χ^2/NDF: 89363.7/31

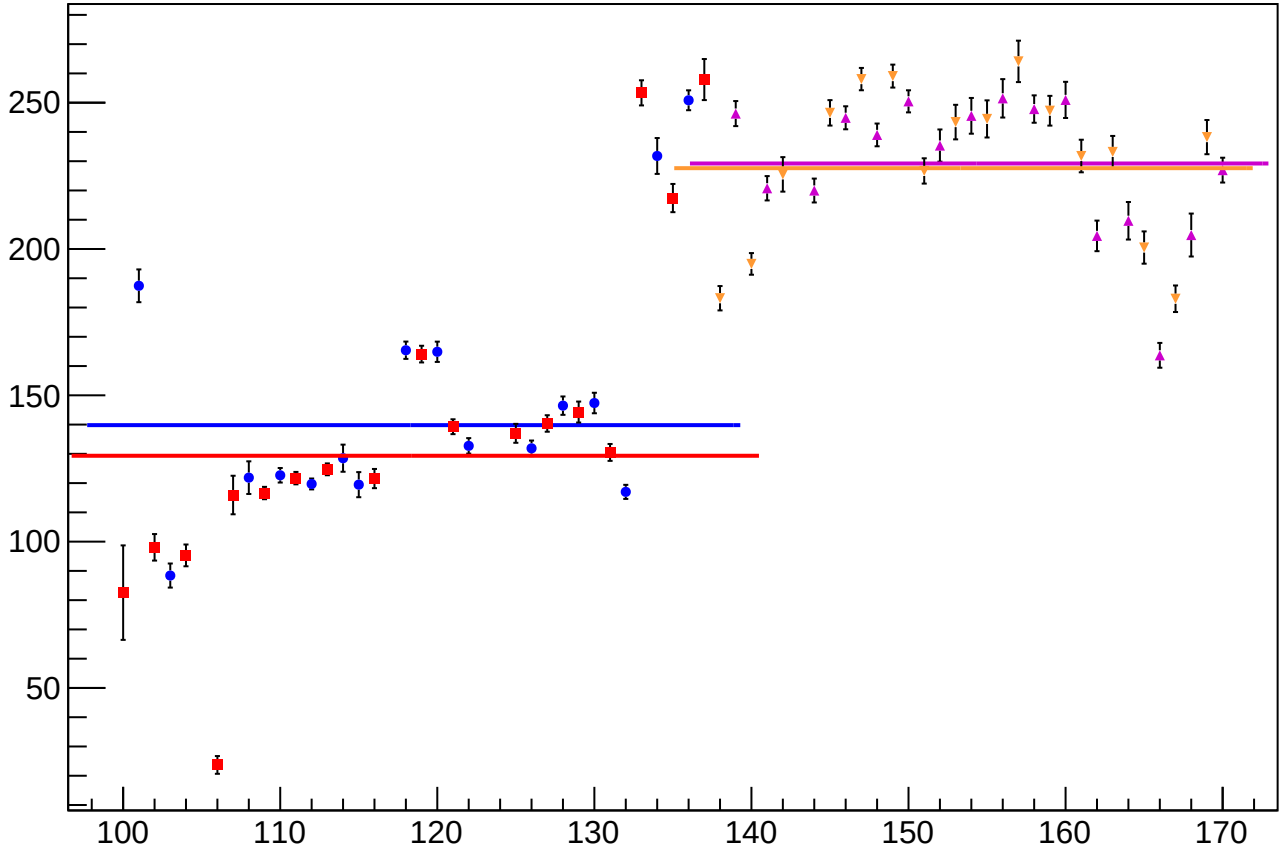
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -154.346+/-0.048 χ^2/NDF:240213.7/31

Out: -129.858+/-0.044 χ^2/NDF:1546862.0/33

All: -141.200+/-0.032 χ^2/NDF: 1929341.2/65

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.618+/-1.205 χ^2/NDF:520.8/15

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 229.219+/-1.179 χ^2/NDF:409.0/15

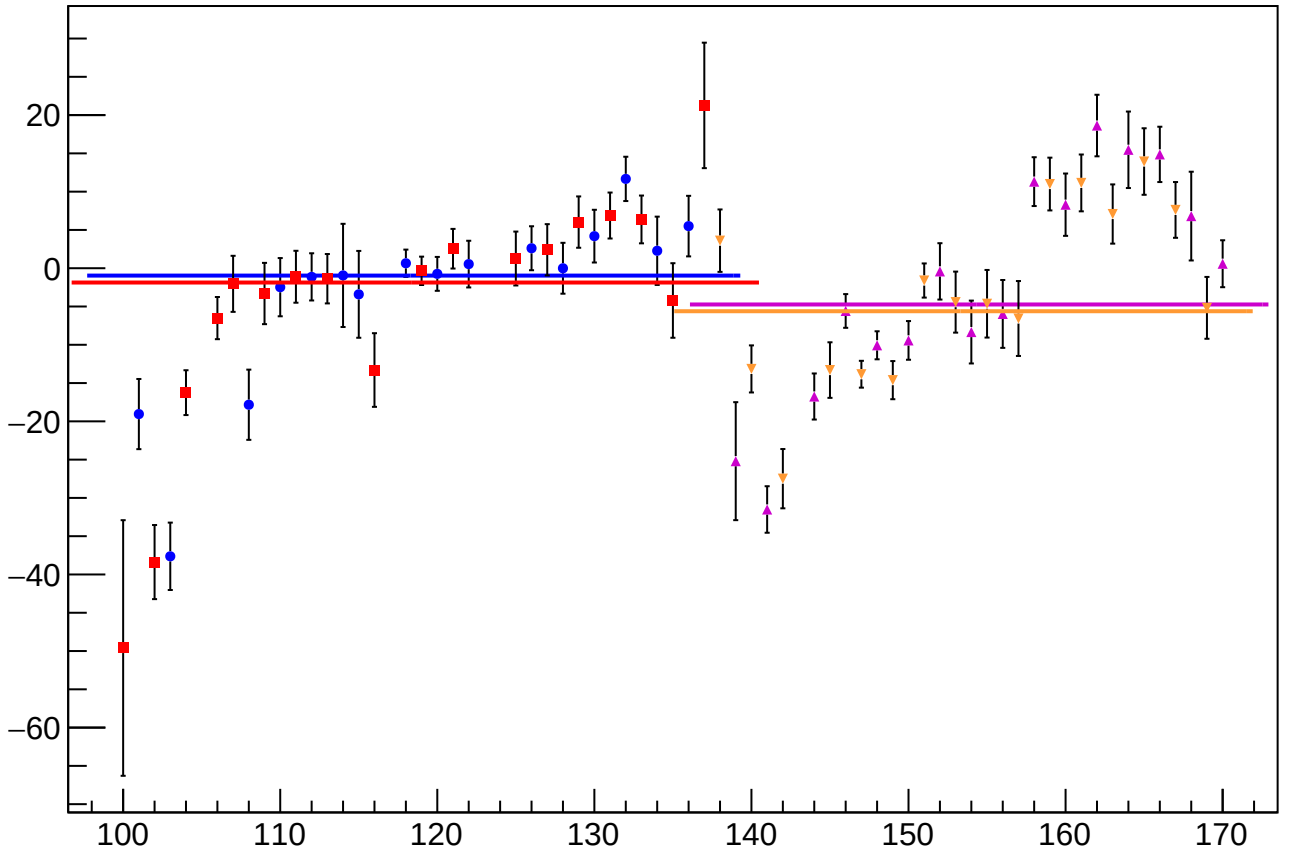
Left: 228.436+/-0.843 χ^2/NDF: 930.7/31

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.243+/-0.653 χ^2/NDF:6358.6/31

Out: 155.943+/-0.627 χ^2/NDF:8492.7/33

All: 161.362+/-0.452 χ^2/NDF: 15007.2/65



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.617+/-0.799 χ^2/NDF:173.9/15

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -4.735+/-0.802 χ^2/NDF:237.2/15

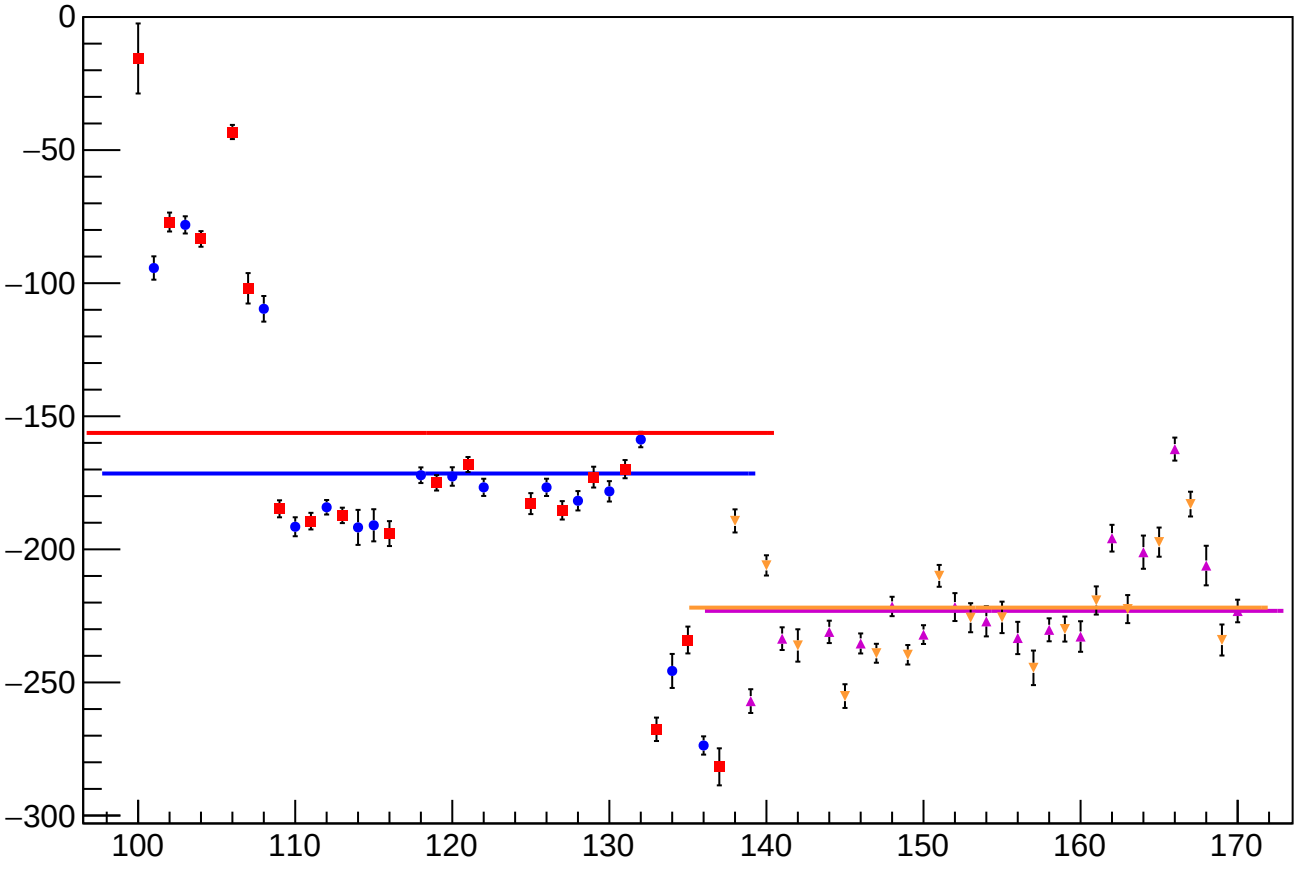
Left: -5.178+/-0.566 χ^2/NDF: 411.6/31

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.863+/-0.569 χ^2/NDF:374.2/31

Out: -3.706+/-0.560 χ^2/NDF:318.3/33

All: -3.292+/-0.399 χ^2/NDF: 693.6/65



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -221.893+/-1.175 χ^2/NDF:300.5/15

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -223.109+/-1.147 χ^2/NDF:338.2/15

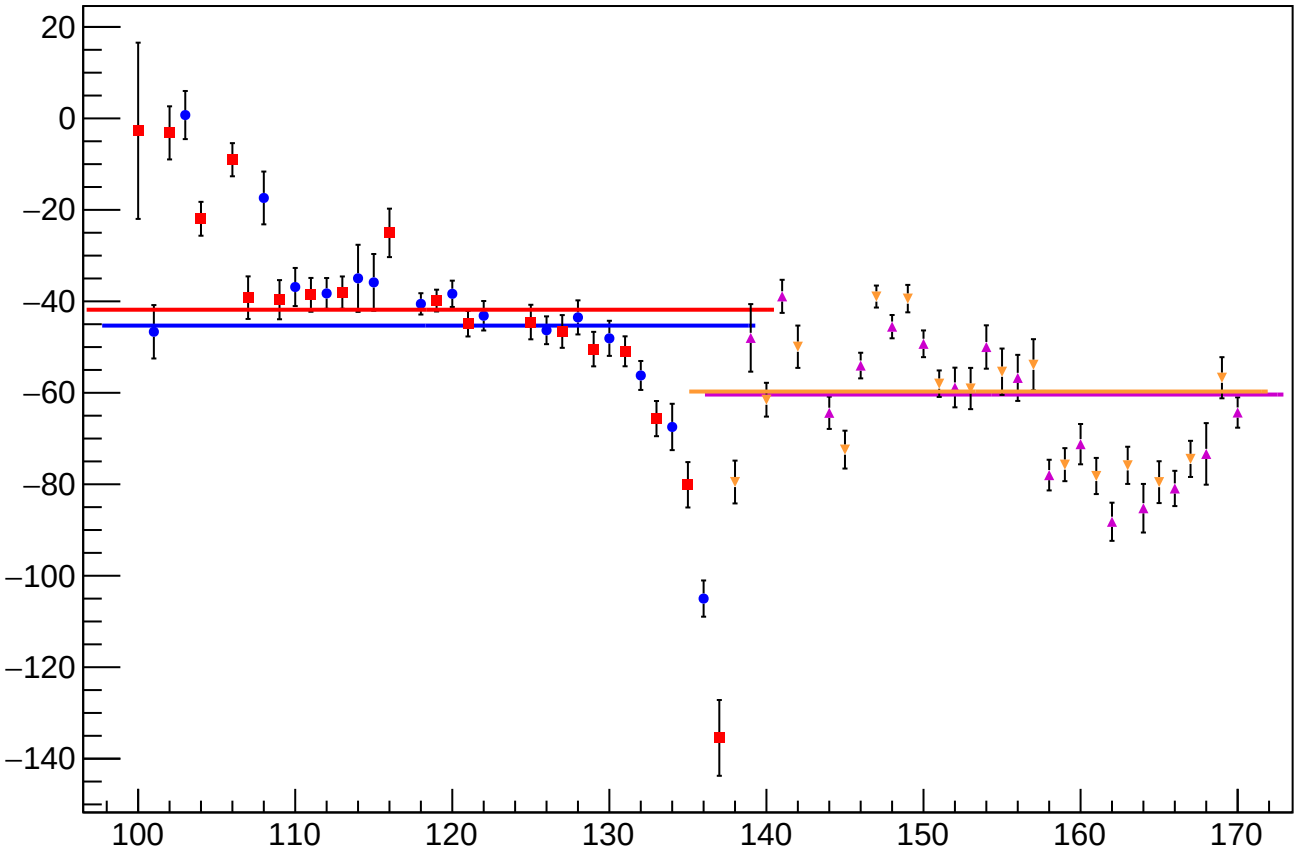
Left: -222.515+/-0.821 χ^2/NDF: 639.2/31

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

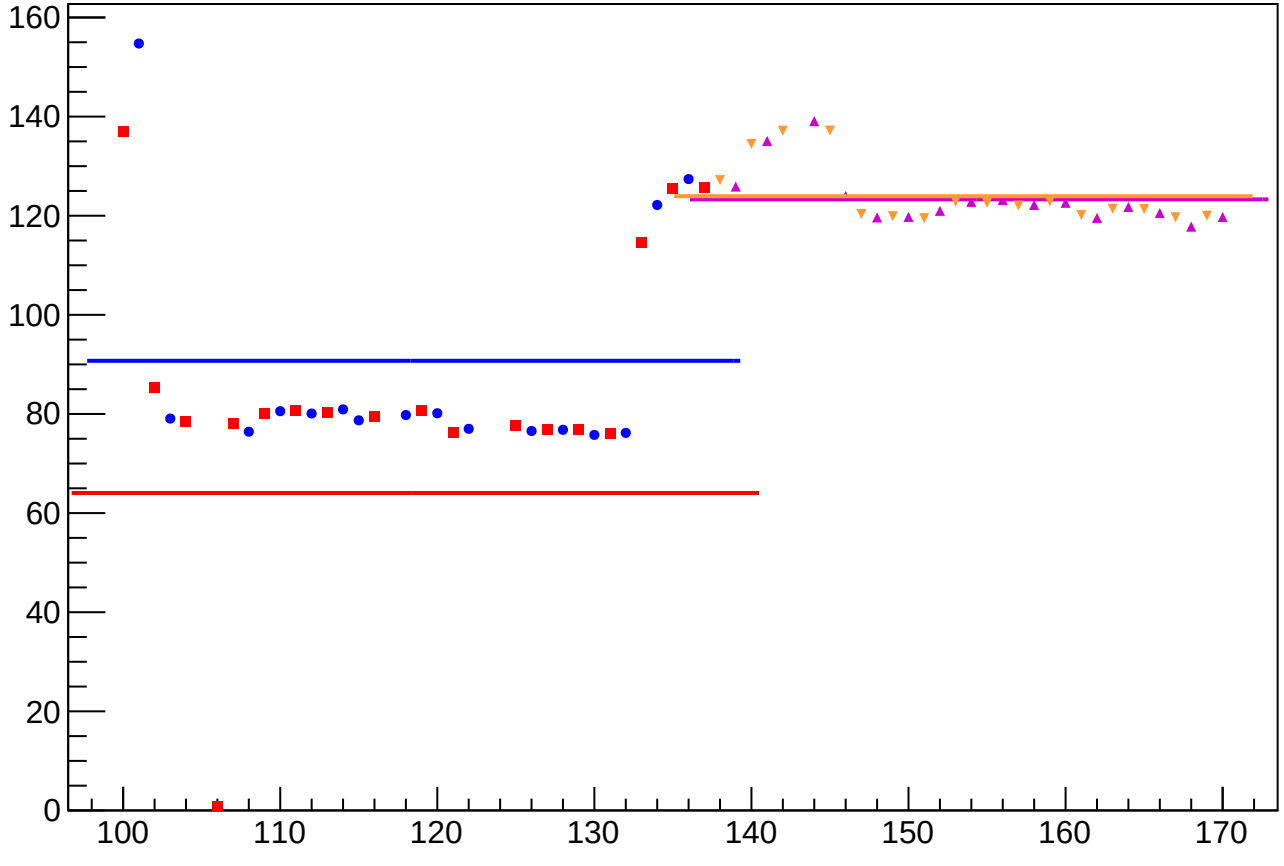
In: -191.348+/-0.711 χ^2/NDF:4026.1/31

Out: -178.711+/-0.687 χ^2/NDF:7257.2/33

All: -184.812+/-0.494 χ^2/NDF: 11446.5/65


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -45.304+/-0.938 χ²/NDF: 382.0/15
Left Out: -59.722+/-0.949 χ²/NDF:245.0/15
Right Out: -41.832+/-0.909 χ²/NDF: 414.2/17
Left In: -60.380+/-0.943 χ²/NDF:231.8/15
Left: -60.053+/-0.669 χ²/NDF: 477.0/31
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -52.797+/-0.665 χ²/NDF:742.3/31
Out: -50.392+/-0.657 χ²/NDF:844.4/33
All: -51.579+/-0.467 χ²/NDF: 1593.4/65

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: 123.935+/-0.045 χ^2/NDF:16478.2/15

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 123.296+/-0.044 χ^2/NDF:15071.6/15

Left: 123.603+/-0.031 χ^2/NDF: 31652.9/31

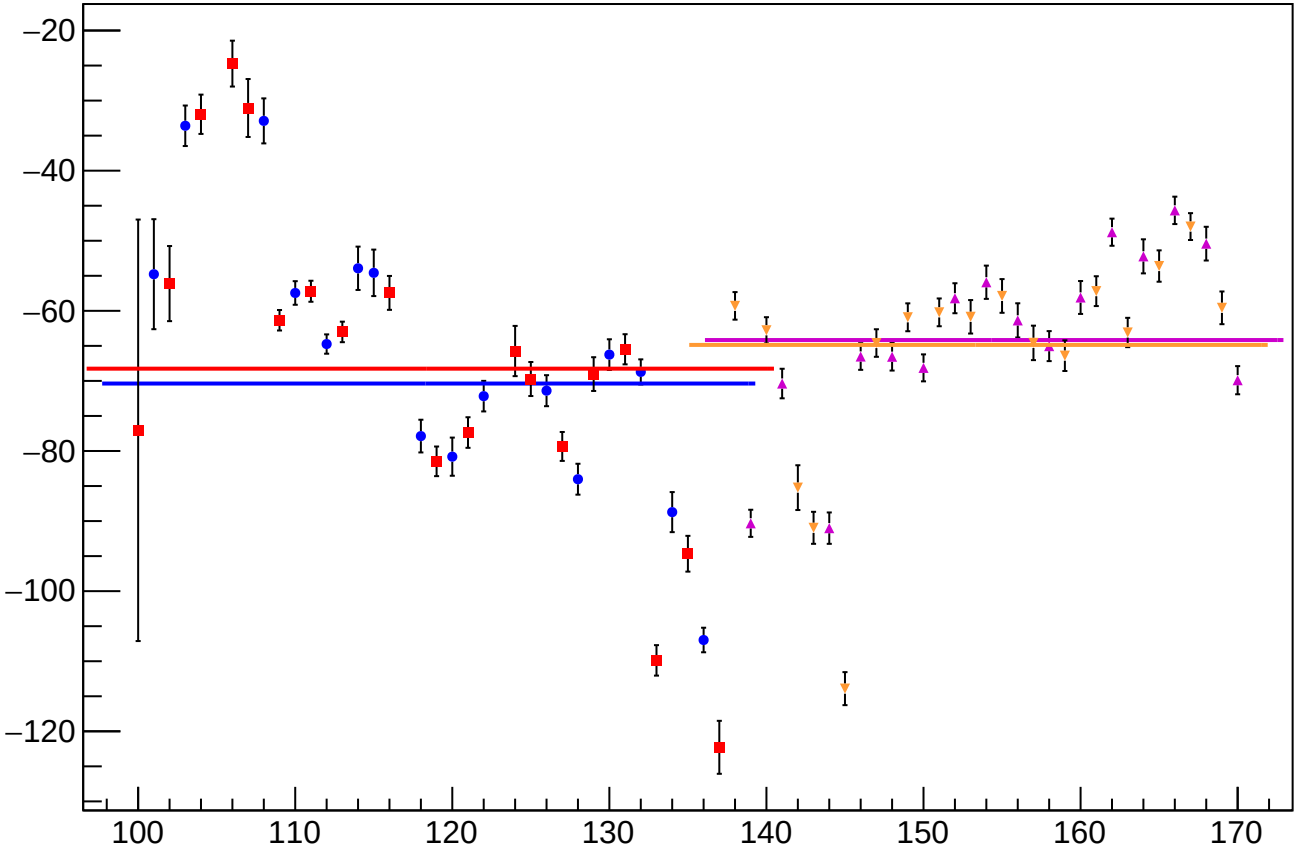
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.634+/-0.035 χ^2/NDF:375320.0/31

Out: 96.517+/-0.033 χ^2/NDF:1477165.5/33

All: 103.714+/-0.024 χ^2/NDF: 1950243.5/65

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.863+/-0.527 χ^2/NDF:757.0/16

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.168+/-0.529 χ^2/NDF:588.0/15

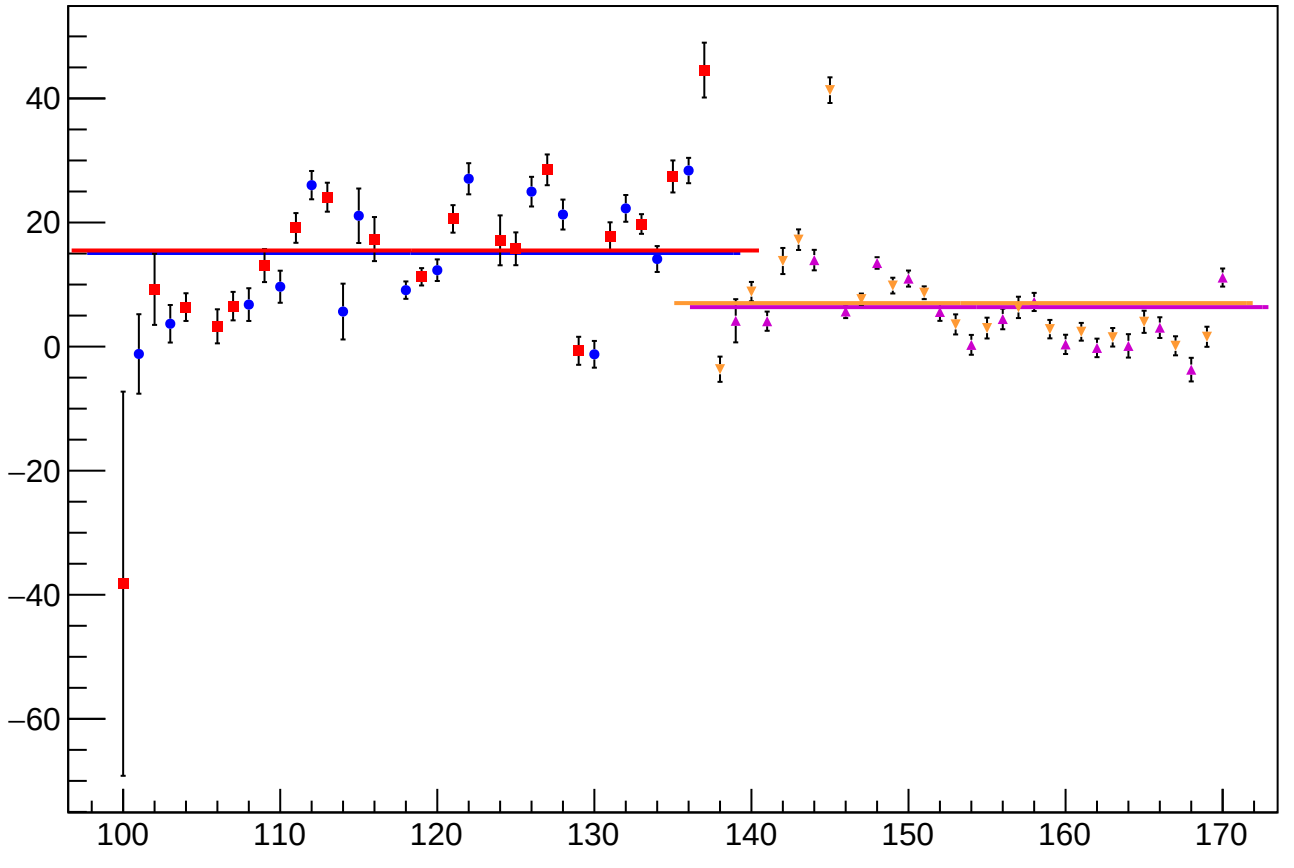
Left: -64.517+/-0.373 χ^2/NDF: 1346.0/32

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -67.106+/-0.384 χ^2/NDF:1628.2/31

Out: -66.557+/-0.372 χ^2/NDF:2083.7/35

All: -66.823+/-0.267 χ^2/NDF: 3712.9/67



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.011+/-0.357 χ^2/NDF:437.1/16

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.363+/-0.367 χ^2/NDF:199.2/15

Left: 6.696+/-0.256 χ^2/NDF: 637.8/32

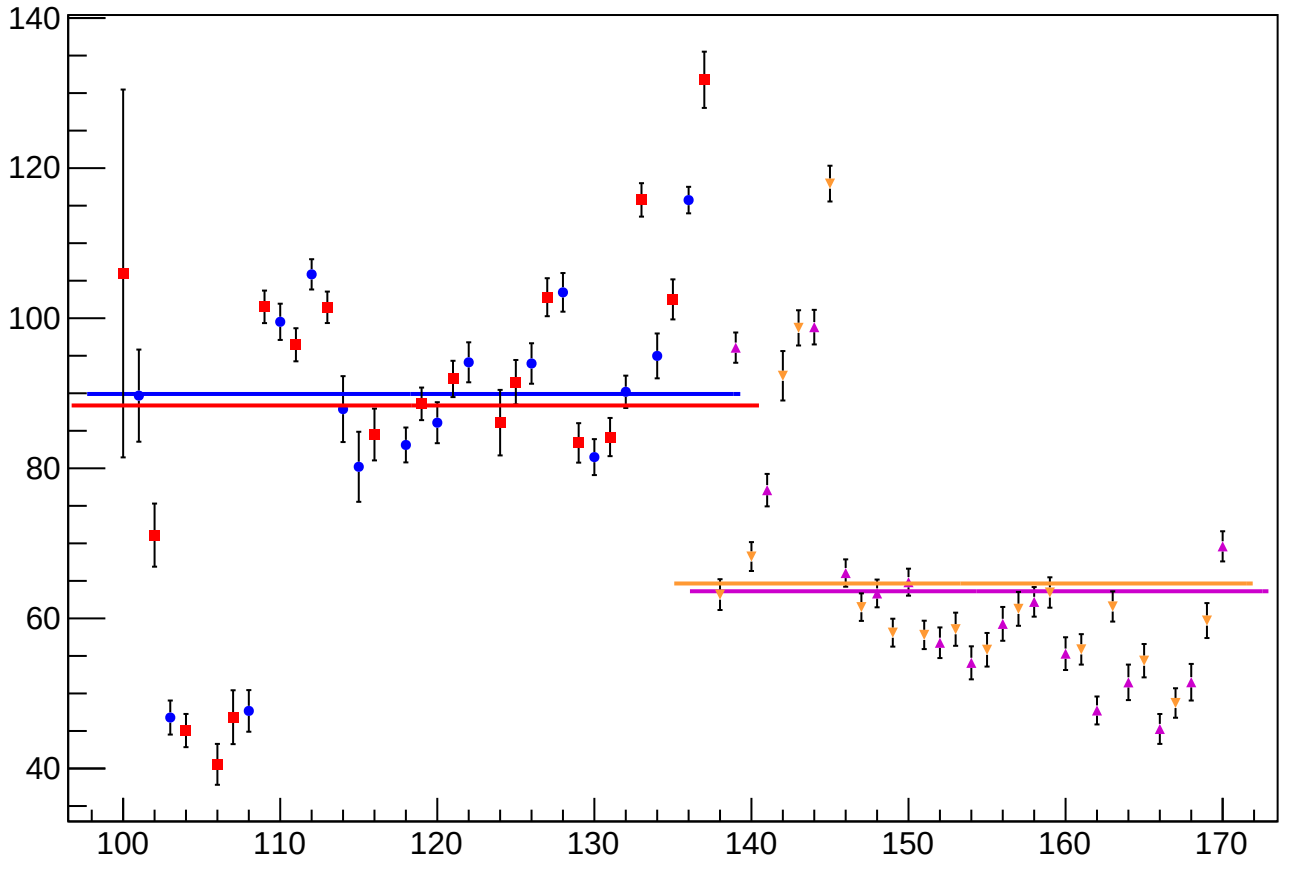
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.849+/-0.310 χ^2/NDF:603.1/31

Out: 9.474+/-0.301 χ^2/NDF:840.1/35

All: 9.171+/-0.216 χ^2/NDF: 1445.3/67

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.653+/-0.513 χ^2/NDF:951.7/16

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.618+/-0.513 χ^2/NDF:799.7/15

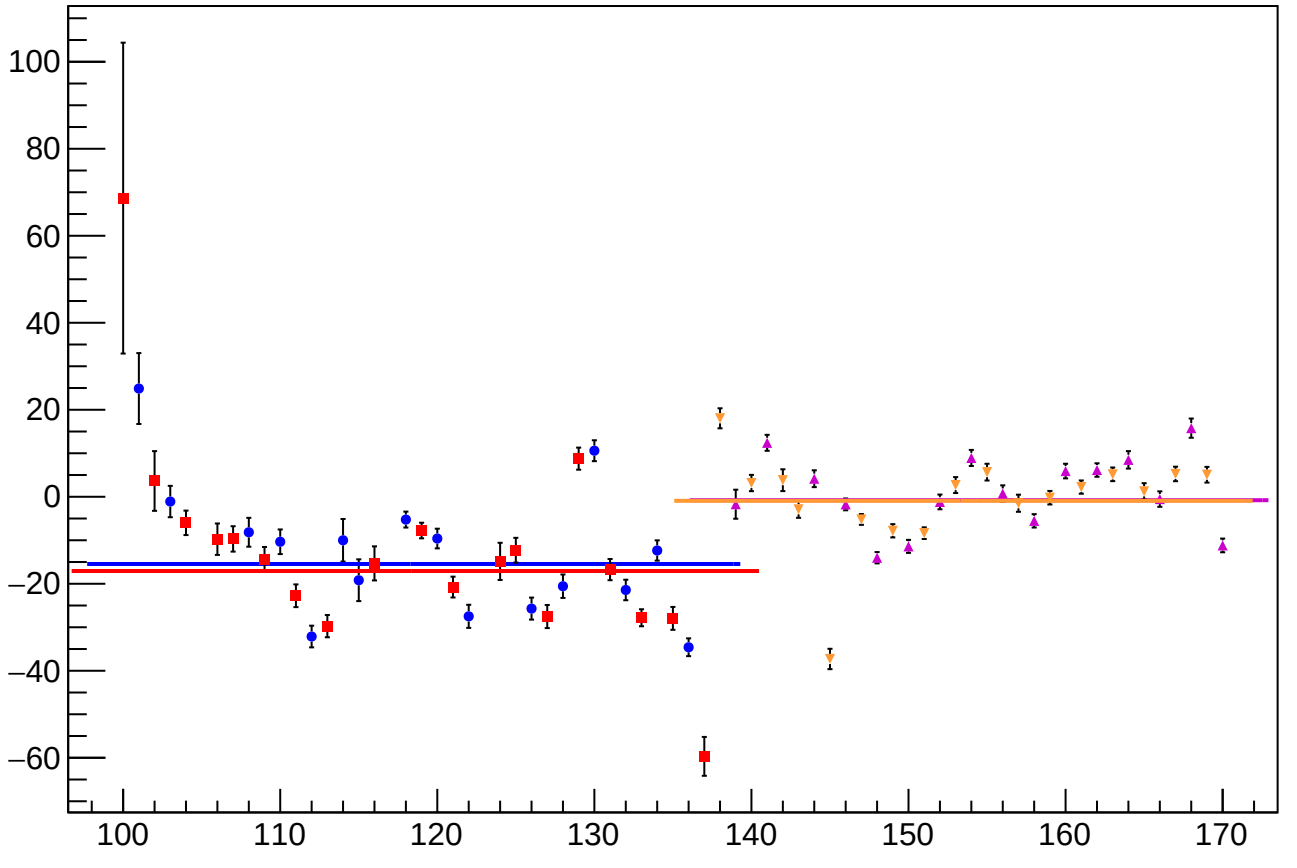
Left: 64.136+/-0.363 χ^2/NDF: 1753.4/32

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 73.893+/-0.401 χ^2/NDF:2773.0/31

Out: 74.337+/-0.394 χ^2/NDF:3114.1/35

All: 74.118+/-0.281 χ^2/NDF: 5887.7/67



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.930+/-0.418 χ^2/NDF:442.8/16

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.789+/-0.425 χ^2/NDF:407.9/15

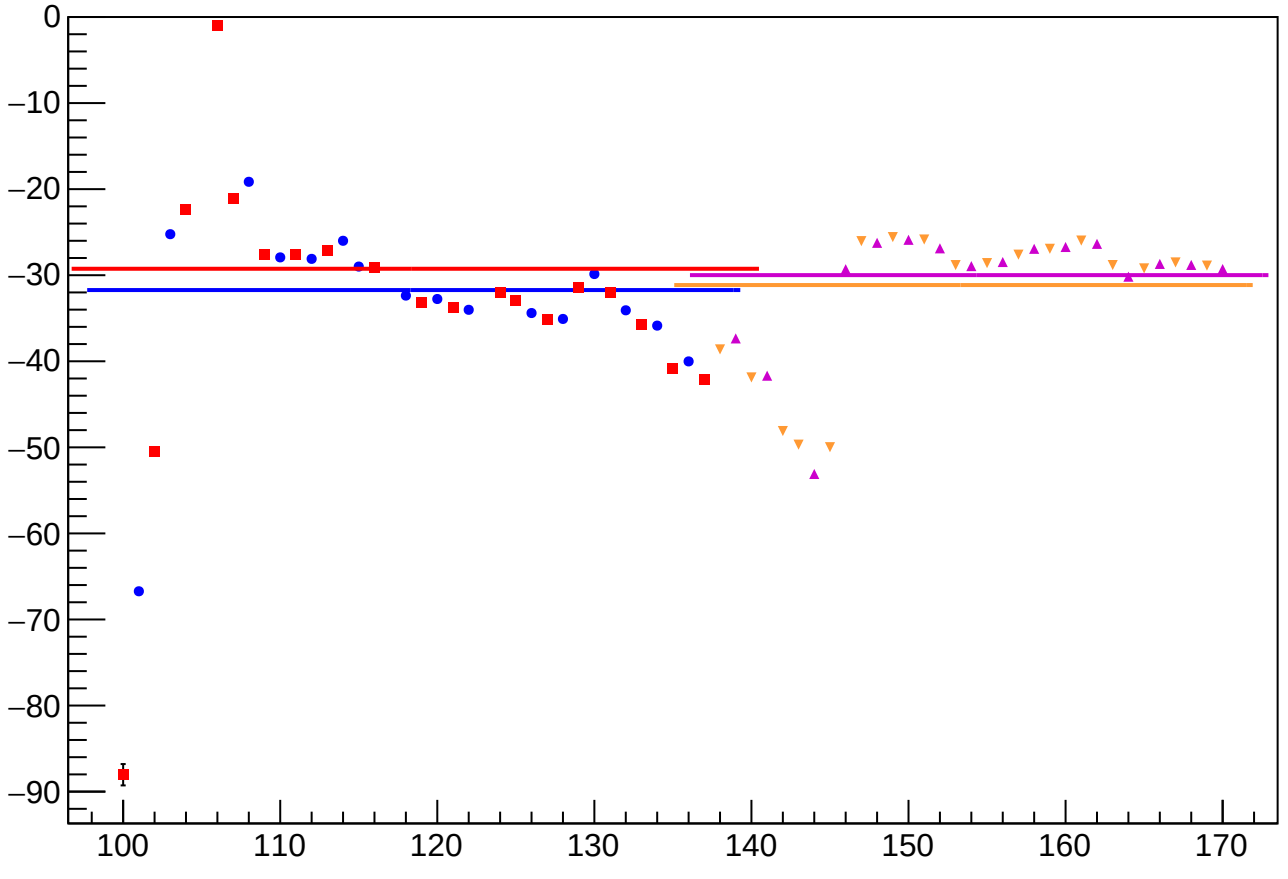
Left: -0.861+/-0.298 χ^2/NDF: 850.8/32

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.044+/-0.358 χ^2/NDF:1139.1/31

Out: -5.709+/-0.350 χ^2/NDF:1246.1/35

All: -5.384+/-0.251 χ^2/NDF: 2387.0/67



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.143+/-0.019 χ^2/NDF:147365.5/16

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.989+/-0.019 χ^2/NDF:93385.3/15

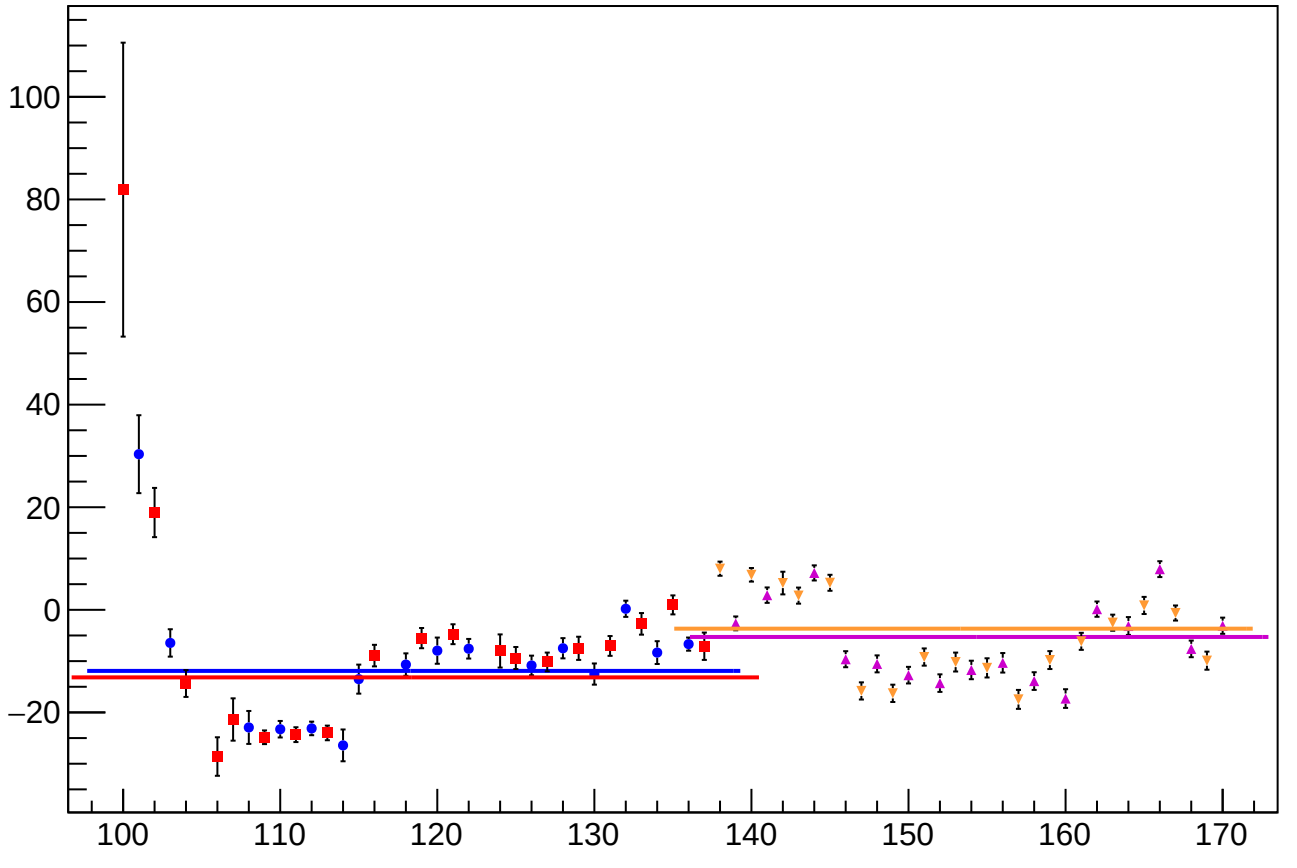
Left: -30.561+/-0.014 χ^2/NDF: 242545.2/32

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.334+/-0.017 χ^2/NDF:134649.2/31

Out: -30.760+/-0.017 χ^2/NDF:244536.8/35

All: -30.545+/-0.012 χ^2/NDF: 379492.6/67



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.672+/-0.399 χ^2/NDF:444.0/16

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -5.290+/-0.403 χ^2/NDF:351.6/15

Left: -4.472+/-0.283 χ^2/NDF: 803.8/32

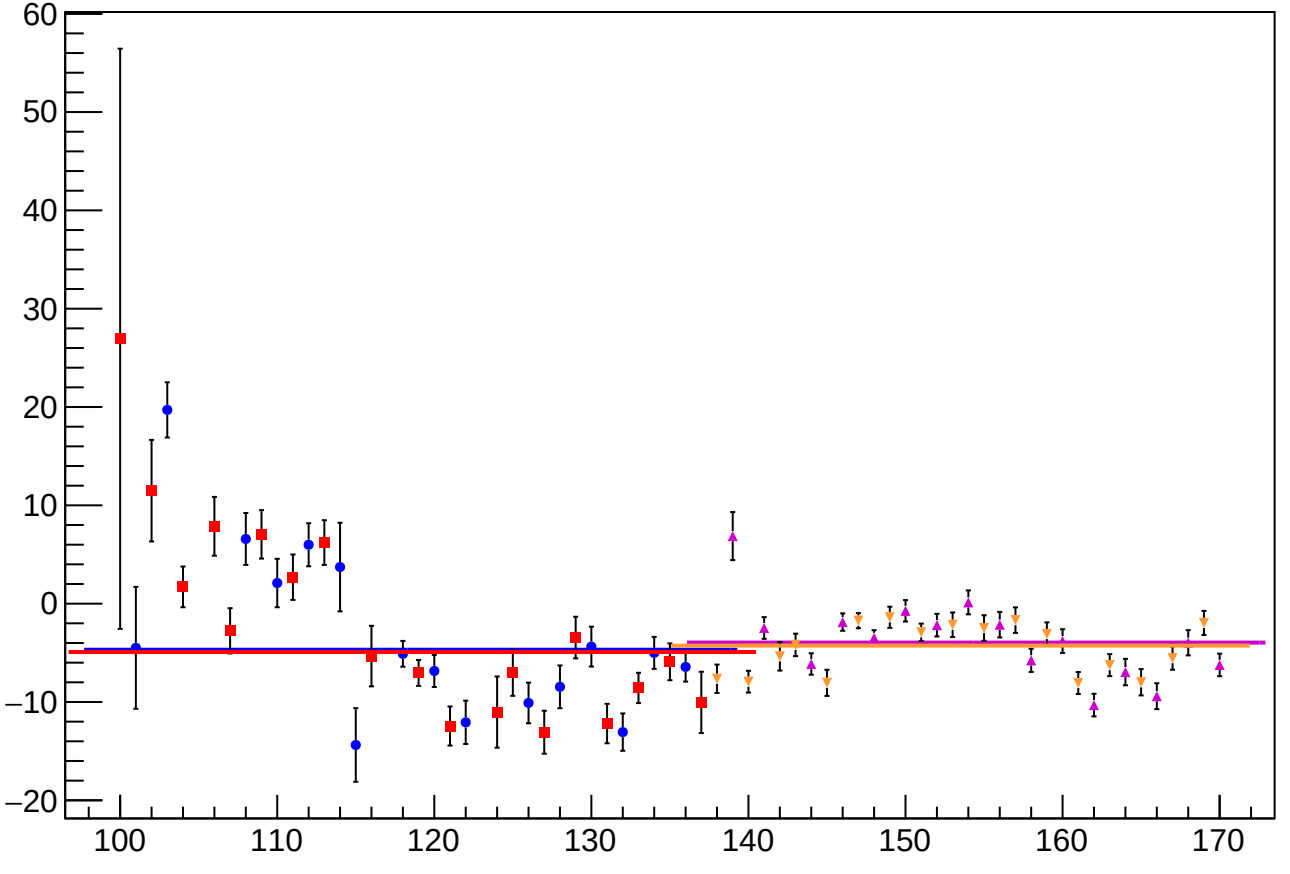
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -7.917+/-0.313 χ^2/NDF:740.7/31

Out: -7.547+/-0.307 χ^2/NDF:1097.1/35

All: -7.728+/-0.219 χ^2/NDF: 1838.5/67

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.268+/-0.277 χ^2/NDF:82.4/16

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.958+/-0.285 χ^2/NDF:114.8/15

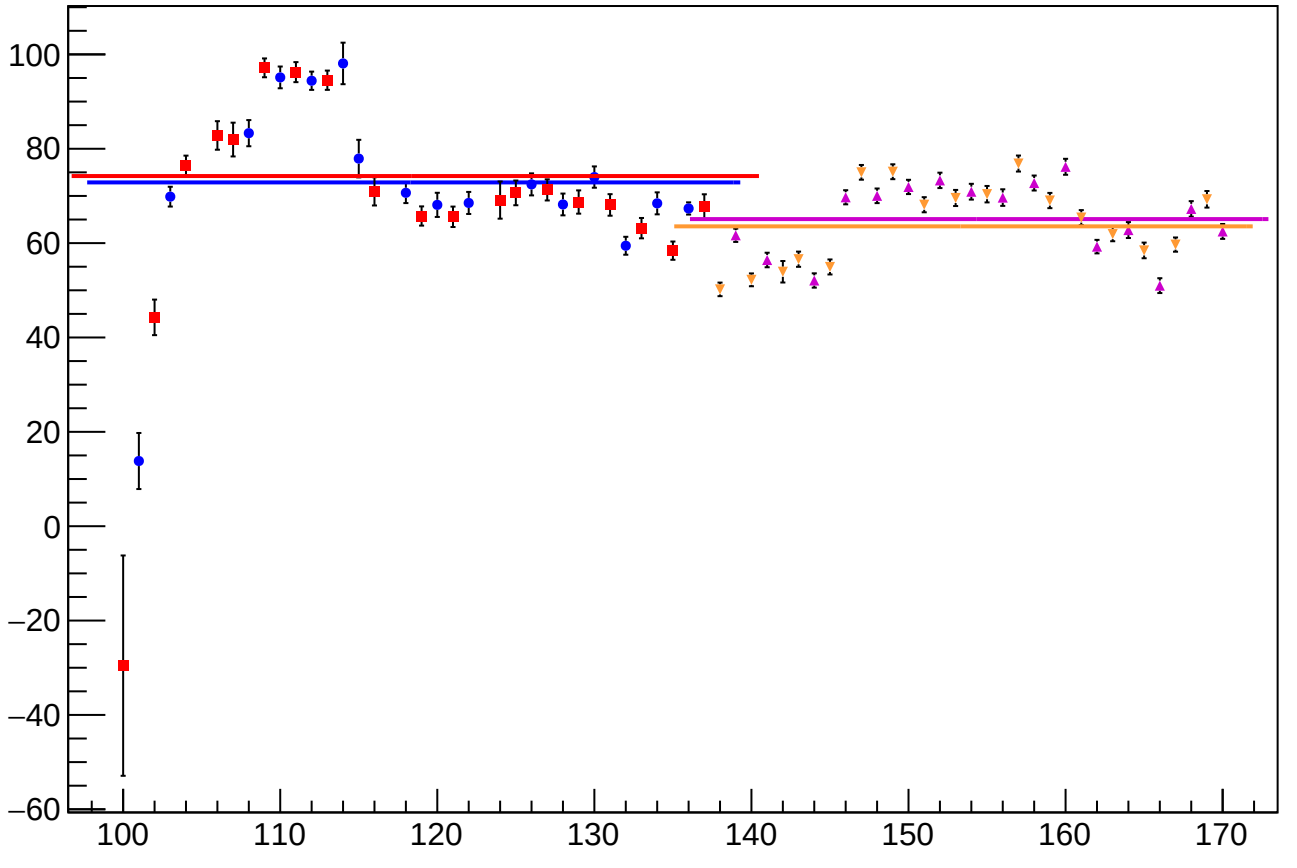
Left: -4.117+/-0.199 χ^2/NDF: 197.8/32

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.128+/-0.250 χ^2/NDF:295.4/31

Out: -4.414+/-0.244 χ^2/NDF:239.4/35

All: -4.274+/-0.175 χ^2/NDF: 535.5/67



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.554+/-0.390 χ^2/NDF:467.0/16

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.094+/-0.393 χ^2/NDF:364.5/15

Left: 64.319+/-0.277 χ^2/NDF: 839.2/32

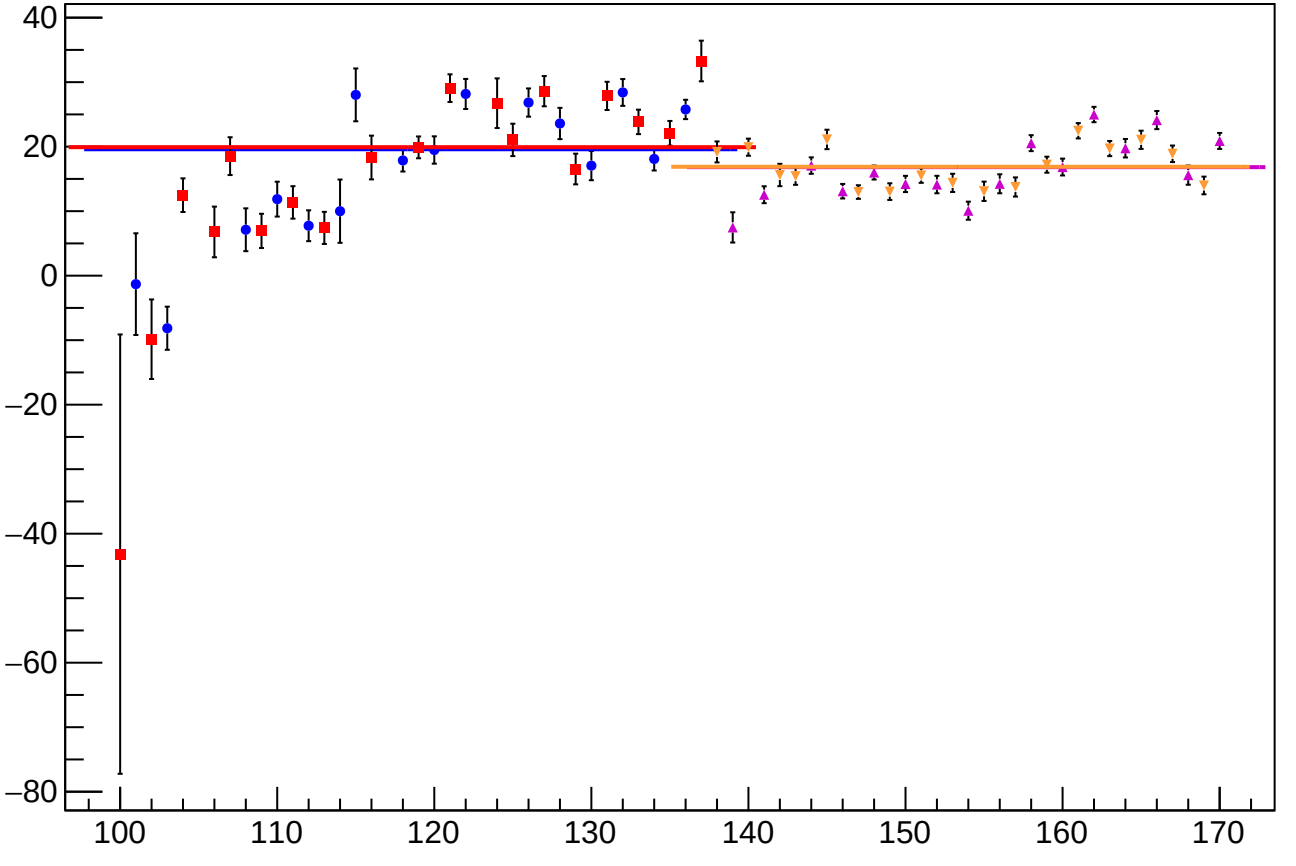
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.626+/-0.323 χ^2/NDF:942.6/31

Out: 67.022+/-0.321 χ^2/NDF:1295.9/35

All: 67.322+/-0.227 χ^2/NDF: 2240.2/67

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.882+/-0.322 χ^2/NDF:98.5/16

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.822+/-0.330 χ^2/NDF:171.2/15

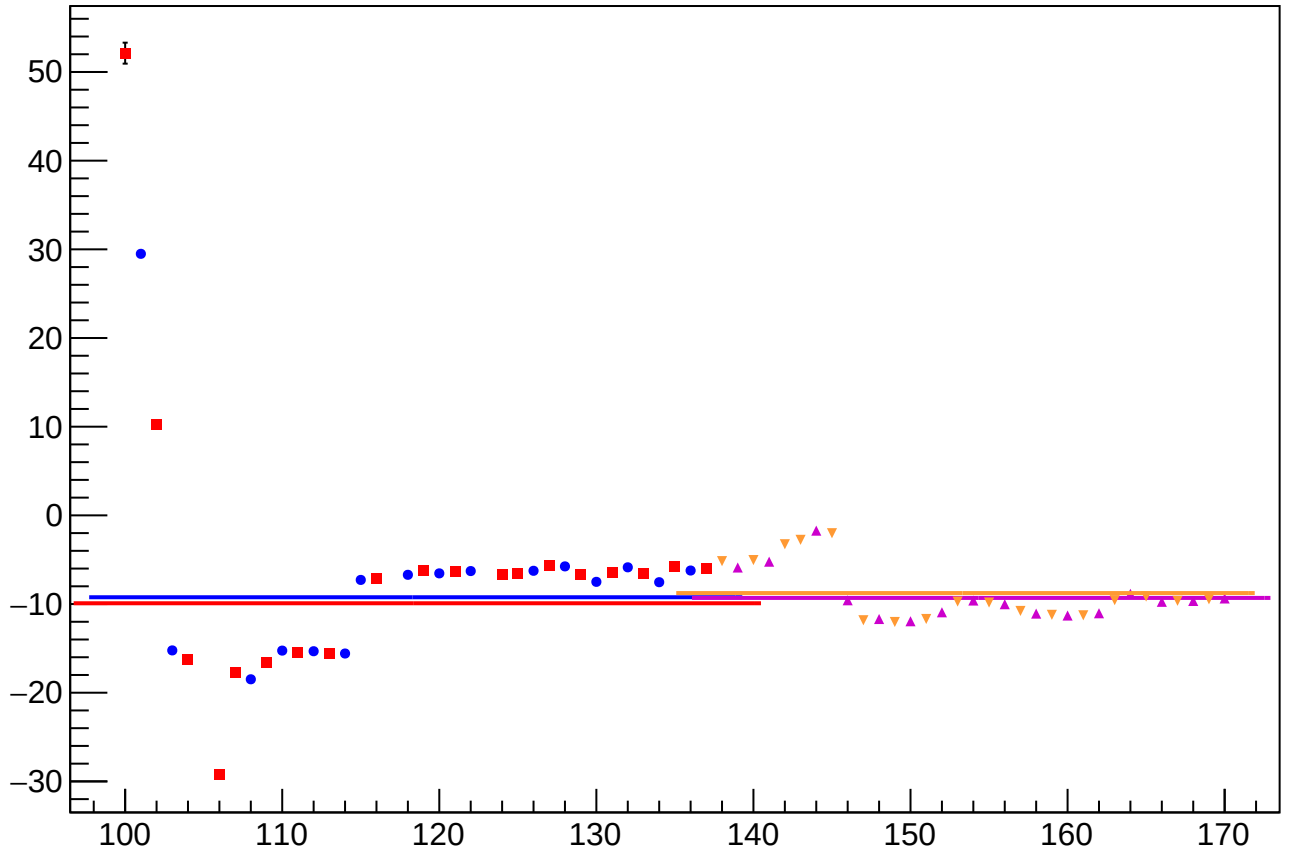
Left: 16.853+/-0.230 χ^2/NDF: 269.7/32

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.491+/-0.287 χ^2/NDF:384.2/31

Out: 17.587+/-0.282 χ^2/NDF:300.5/35

All: 17.540+/-0.201 χ^2/NDF: 684.8/67



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.763+/-0.015 χ^2/NDF:44047.4/16

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.310+/-0.015 χ^2/NDF:28972.6/15

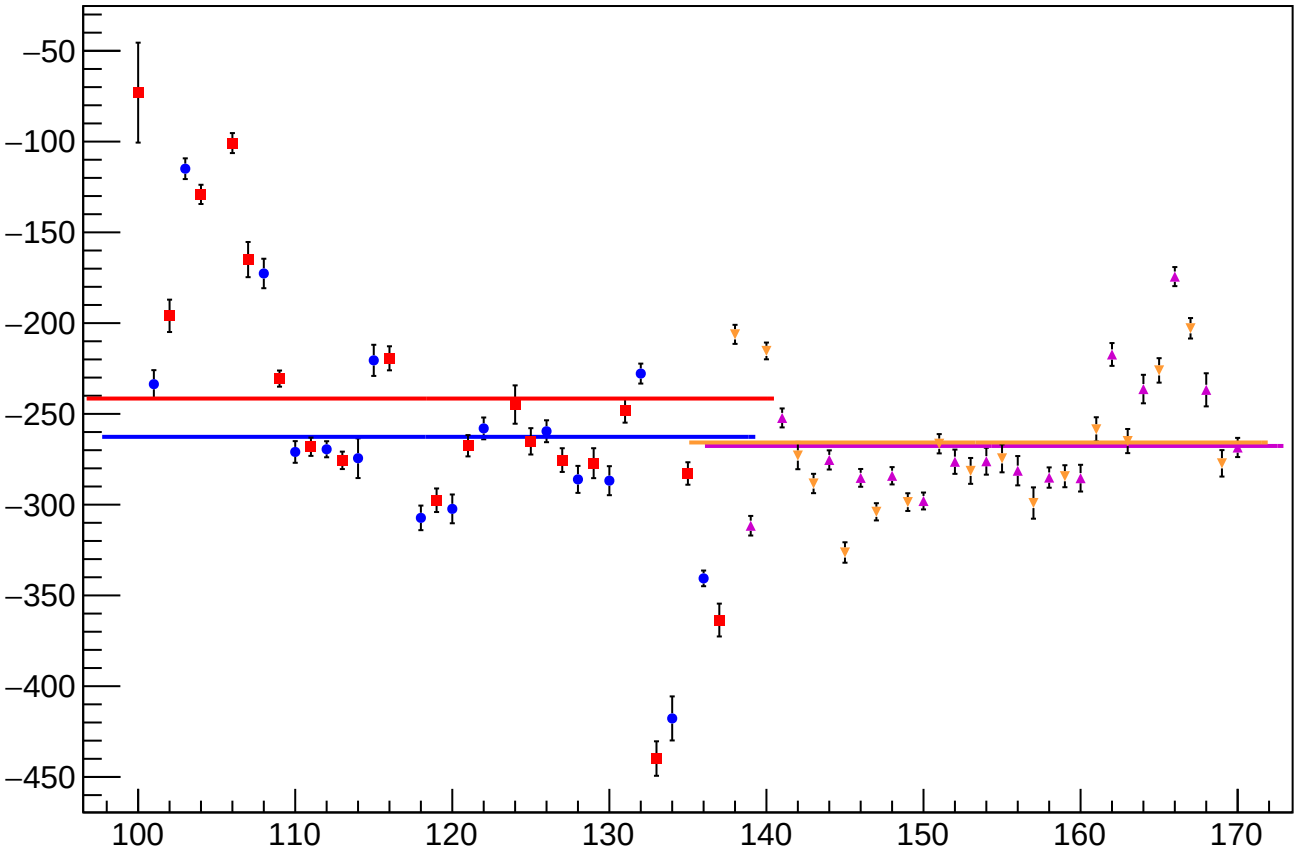
Left: -9.038+/-0.010 χ^2/NDF: 73713.4/32

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.298+/-0.013 χ^2/NDF:60136.2/31

Out: -8.941+/-0.014 χ^2/NDF:98853.2/35

All: -9.121+/-0.010 χ^2/NDF: 159340.8/67



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.752+/-1.437 χ^2/NDF:686.5/16

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -267.665+/-1.458 χ^2/NDF:573.0/15

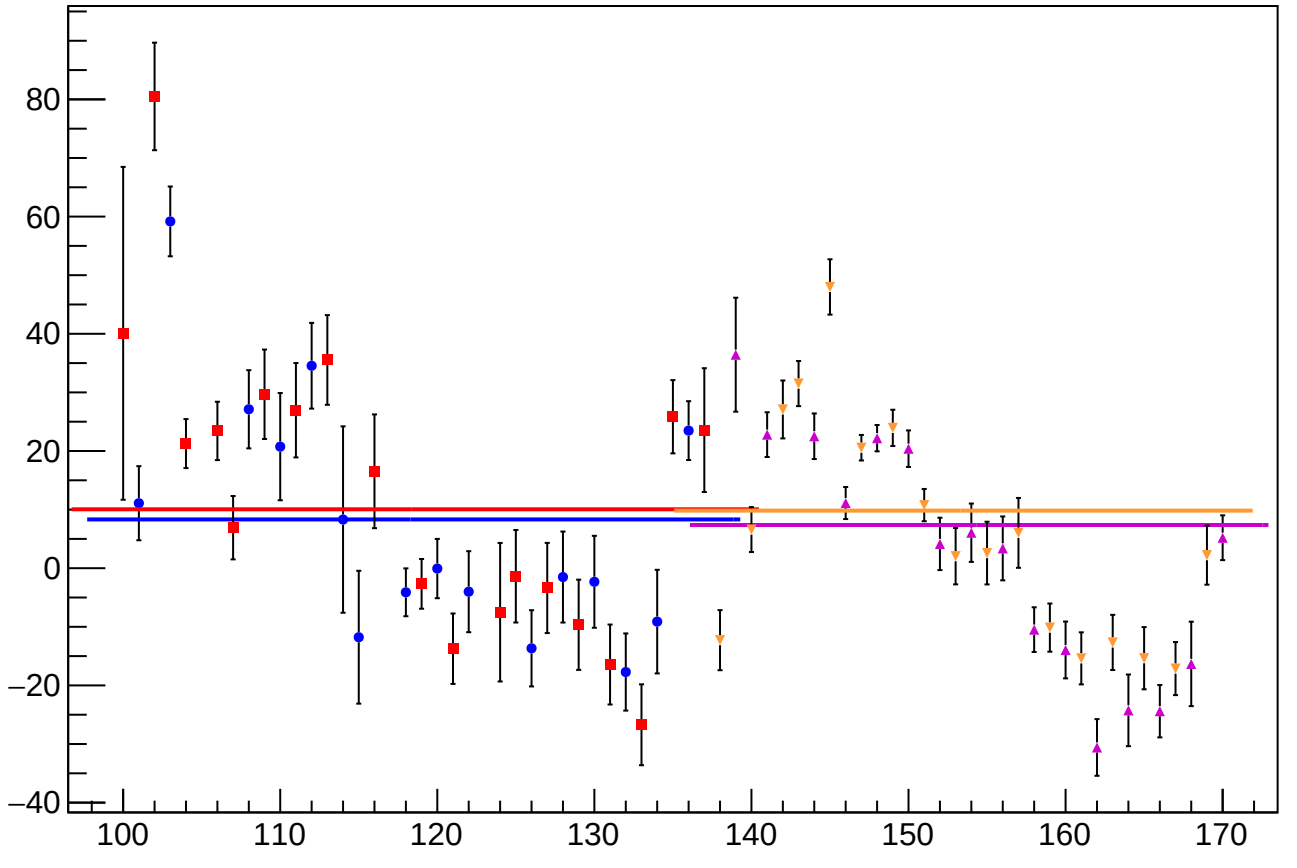
Left: -266.695+/-1.023 χ^2/NDF: 1260.4/32

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.408+/-1.082 χ^2/NDF:2032.6/31

Out: -254.218+/-1.040 χ^2/NDF:2960.3/35

All: -259.591+/-0.750 χ^2/NDF: 5048.5/67



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 9.826+/-0.957 χ^2/NDF:317.4/16

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 7.372+/-0.989 χ^2/NDF:295.6/15

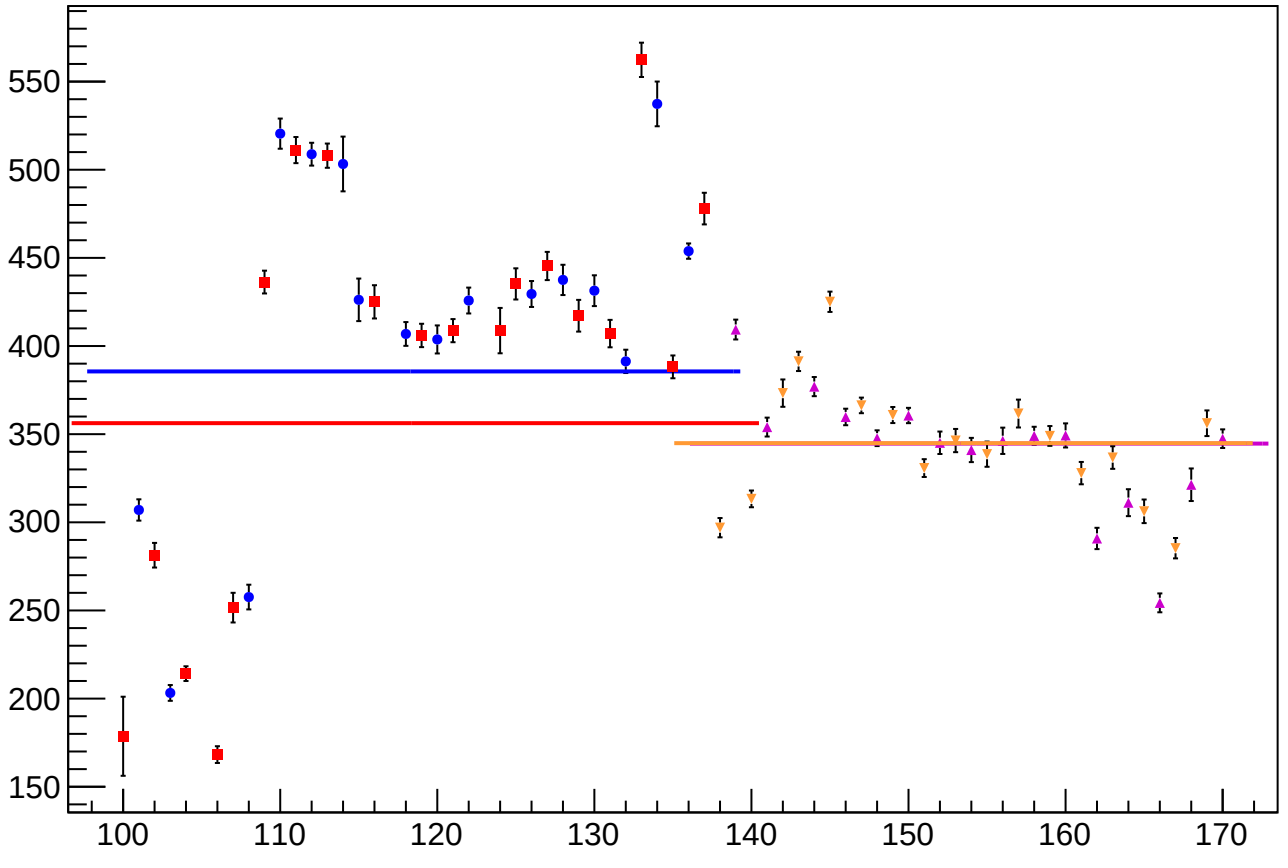
Left: 8.639+/-0.688 χ^2/NDF: 616.2/32

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 7.624+/-0.847 χ^2/NDF:453.5/31

Out: 9.889+/-0.813 χ^2/NDF:504.8/35

All: 8.803+/-0.587 χ^2/NDF: 962.1/67



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.899+/-1.404 χ^2/NDF:600.3/16

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 344.653+/-1.416 χ^2/NDF:586.3/15

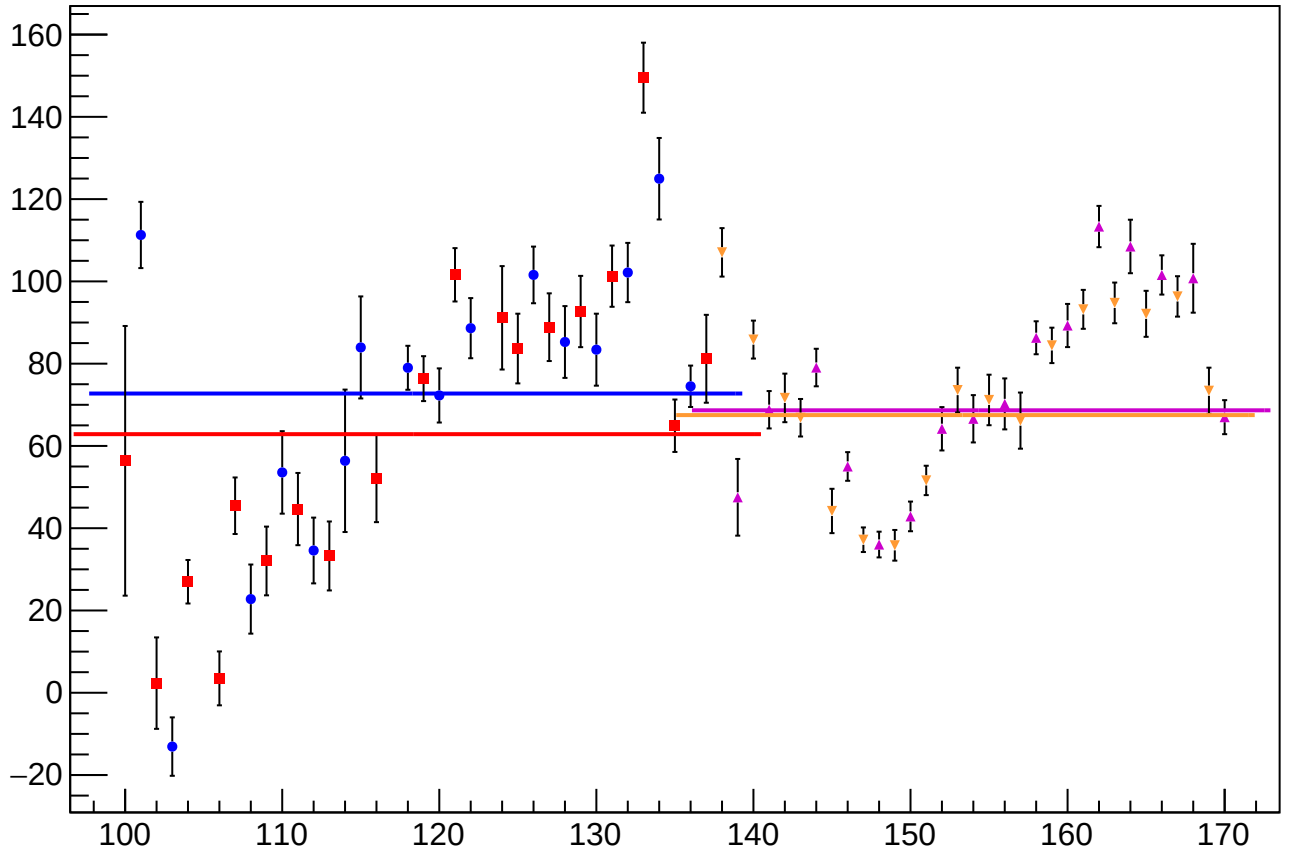
Left: 344.777+/-0.997 χ^2/NDF: 1186.6/32

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 360.942+/-1.099 χ^2/NDF:4291.8/31

Out: 349.677+/-1.068 χ^2/NDF:5898.0/35

All: 355.151+/-0.766 χ^2/NDF: 10243.8/67



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 67.498+/-1.135 χ^2/NDF:406.7/16

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.662+/-1.162 χ^2/NDF:400.6/15

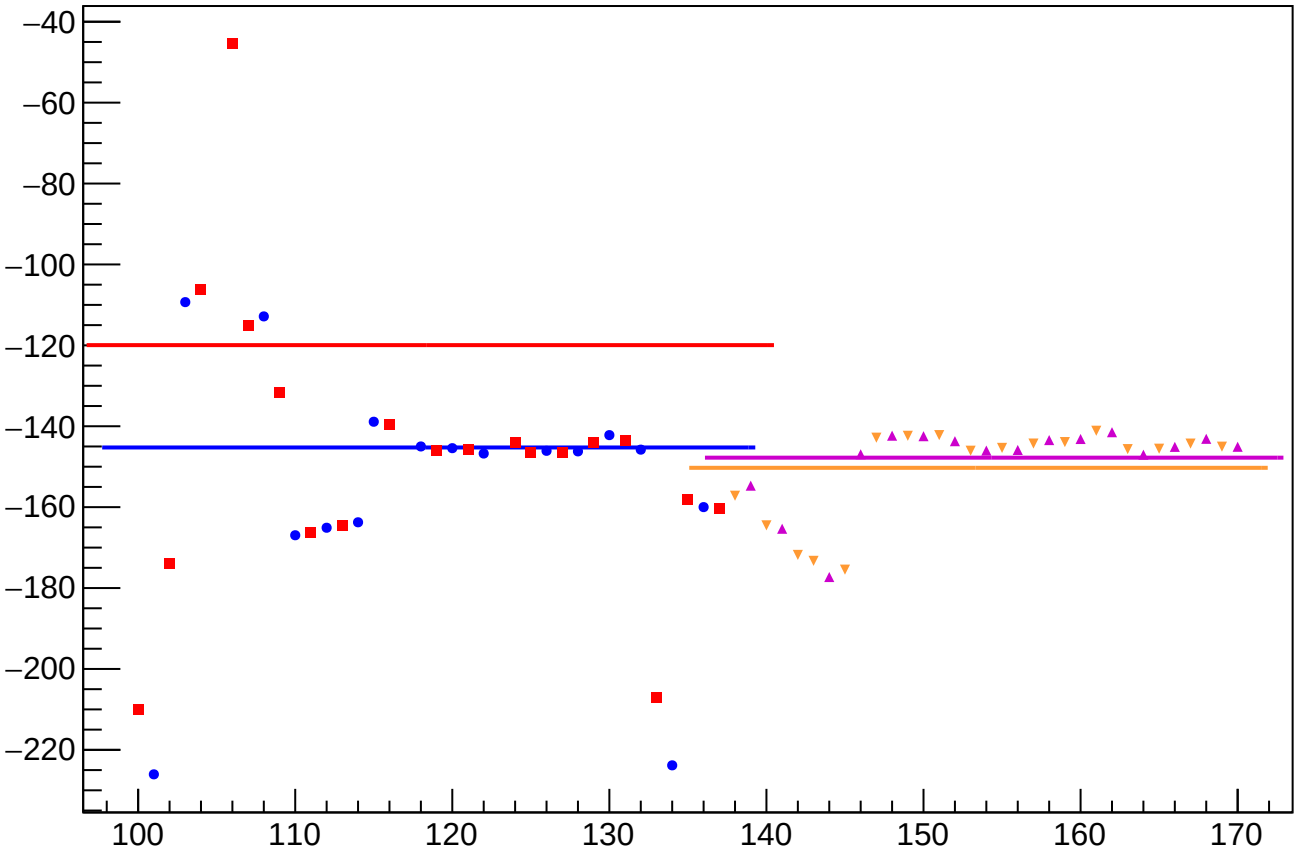
Left: 68.066+/-0.812 χ^2/NDF: 807.8/32

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.775+/-0.991 χ^2/NDF:708.2/31

Out: 66.173+/-0.960 χ^2/NDF:815.1/35

All: 67.916+/-0.689 χ^2/NDF: 1530.2/67



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.275+/-0.054 χ^2/NDF:43177.1/16

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.767+/-0.054 χ^2/NDF:26881.6/15

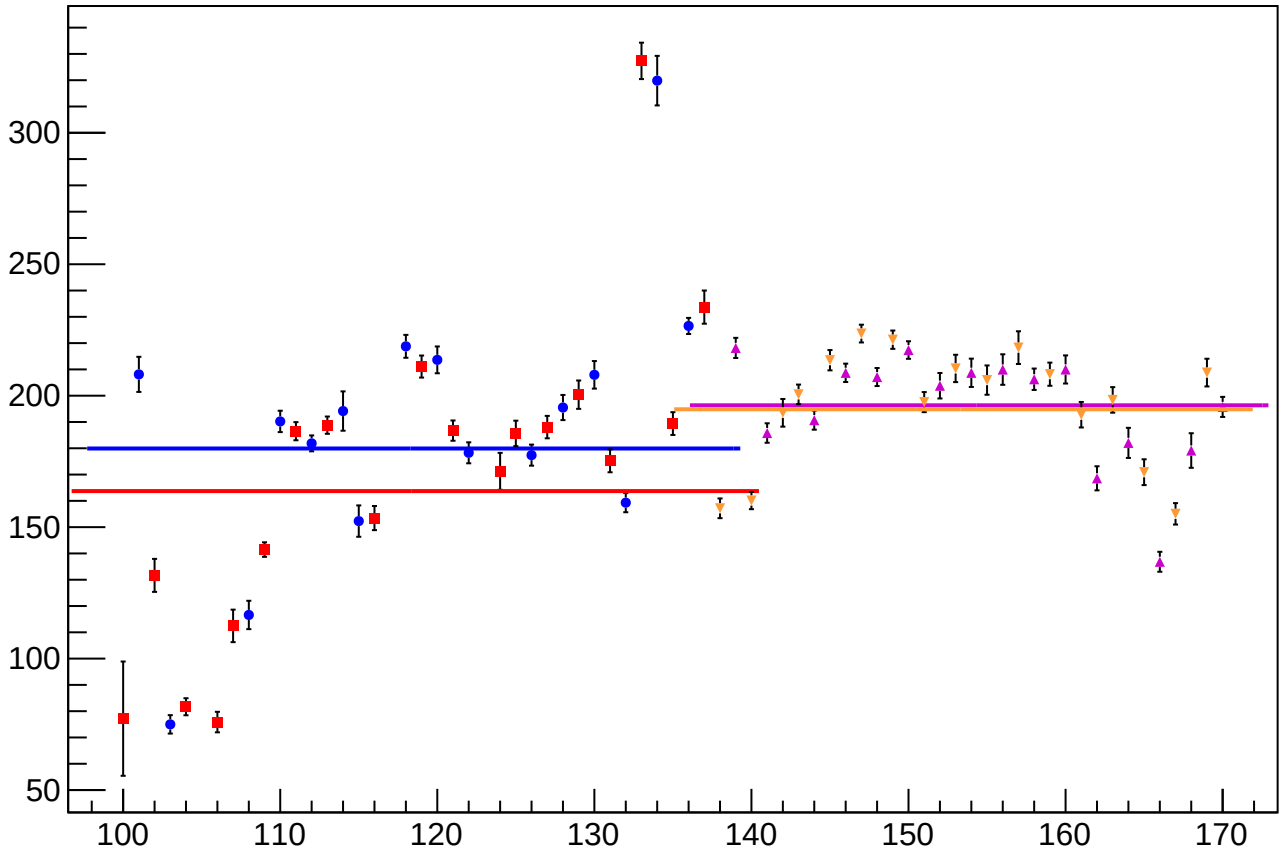
Left: -149.010+/-0.038 χ^2/NDF: 71135.3/32

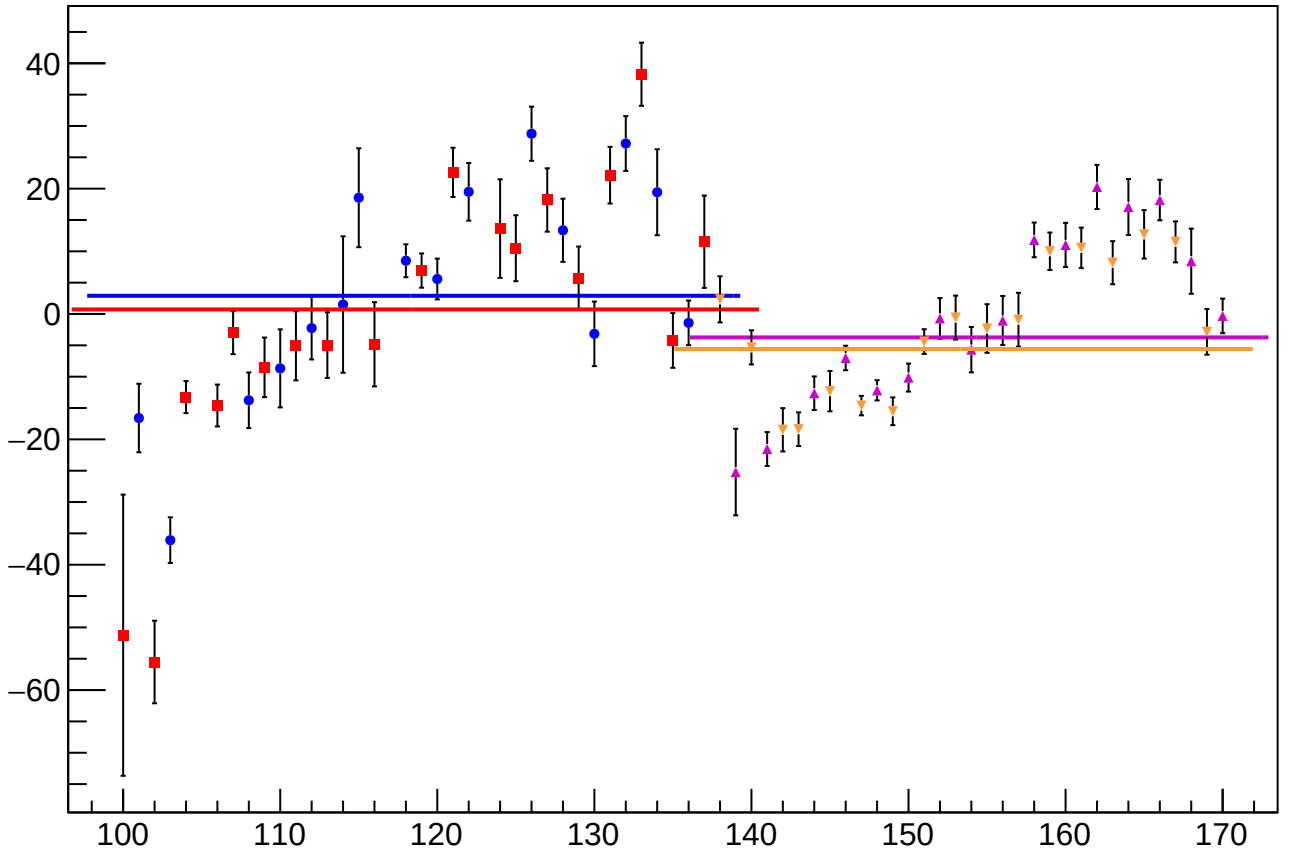
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

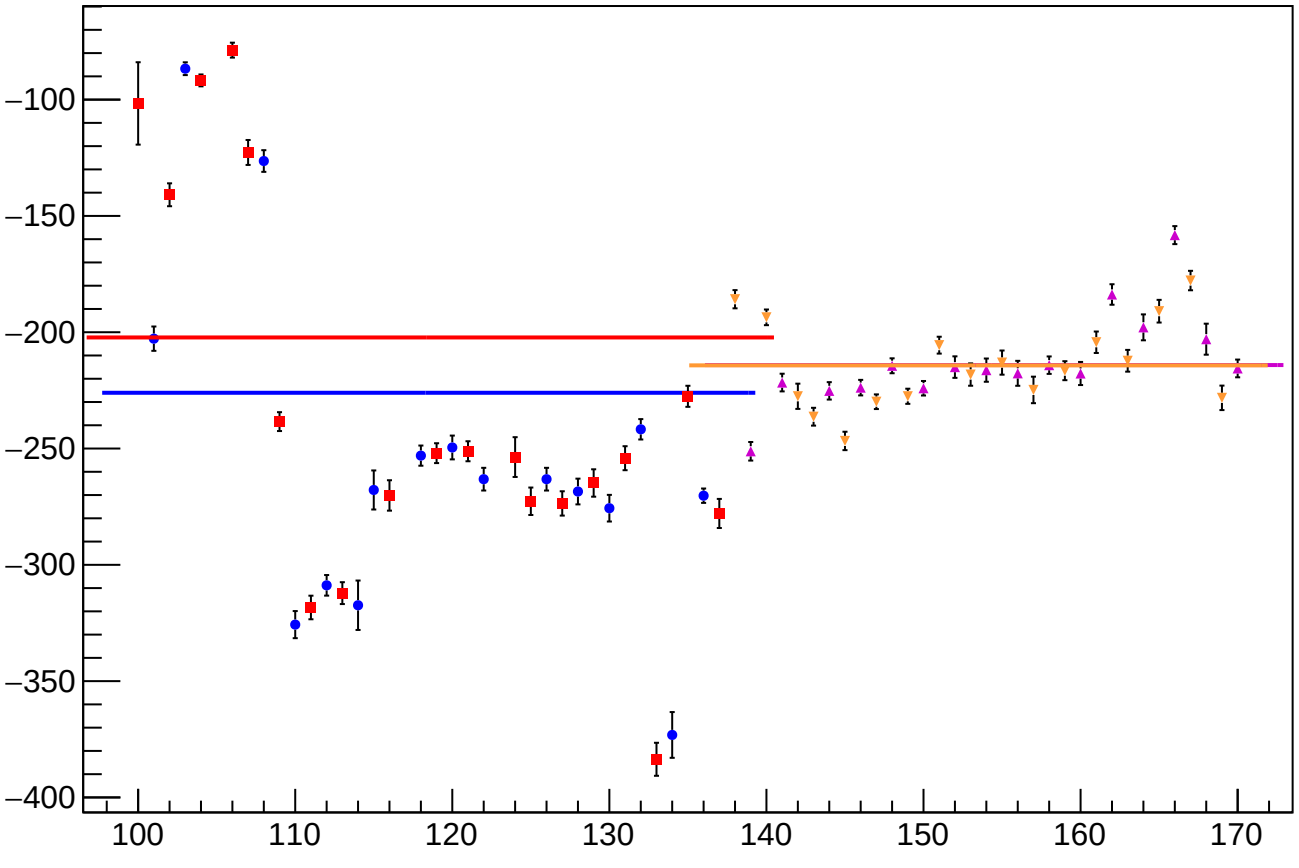
In: -147.186+/-0.047 χ^2/NDF:159444.5/31

Out: -142.049+/-0.046 χ^2/NDF:398212.8/35

All: -144.569+/-0.033 χ^2/NDF: 563687.9/67


reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 179.918+/-1.089 χ2/NDF: 1732.7/15
Left Out: 194.831+/-1.027 χ2/NDF:532.7/16
Right Out: 163.718+/-1.001 χ2/NDF: 2416.8/18
Left In: 196.346+/-1.046 χ2/NDF:426.0/15
Left: 195.575+/-0.733 χ2/NDF: 959.8/32
Right: 171.138+/-0.737 χ2/NDF: 4269.5/34
In: 188.463+/-0.754 χ2/NDF:2277.2/31
Out: 178.865+/-0.717 χ2/NDF:3420.0/35
All: 183.422+/-0.520 χ2/NDF: 5782.3/67


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: 2.907+/-1.105 χ²/NDF: 247.5/15
Left Out: -5.579+/-0.685 χ²/NDF:222.2/16
Right Out: 0.729+/-1.012 χ²/NDF: 273.6/18
Left In: -3.736+/-0.710 χ²/NDF:274.2/15
Left: -4.691+/-0.493 χ²/NDF: 499.9/32
Right: 1.723+/-0.746 χ²/NDF: 523.2/34
In: -1.795+/-0.597 χ²/NDF:547.3/31
Out: -3.599+/-0.567 χ²/NDF:522.5/35
All: -2.743+/-0.411 χ²/NDF: 1074.5/67



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -214.243+/-1.005 χ^2/NDF:359.3/16

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.114+/-1.017 χ^2/NDF:385.8/15

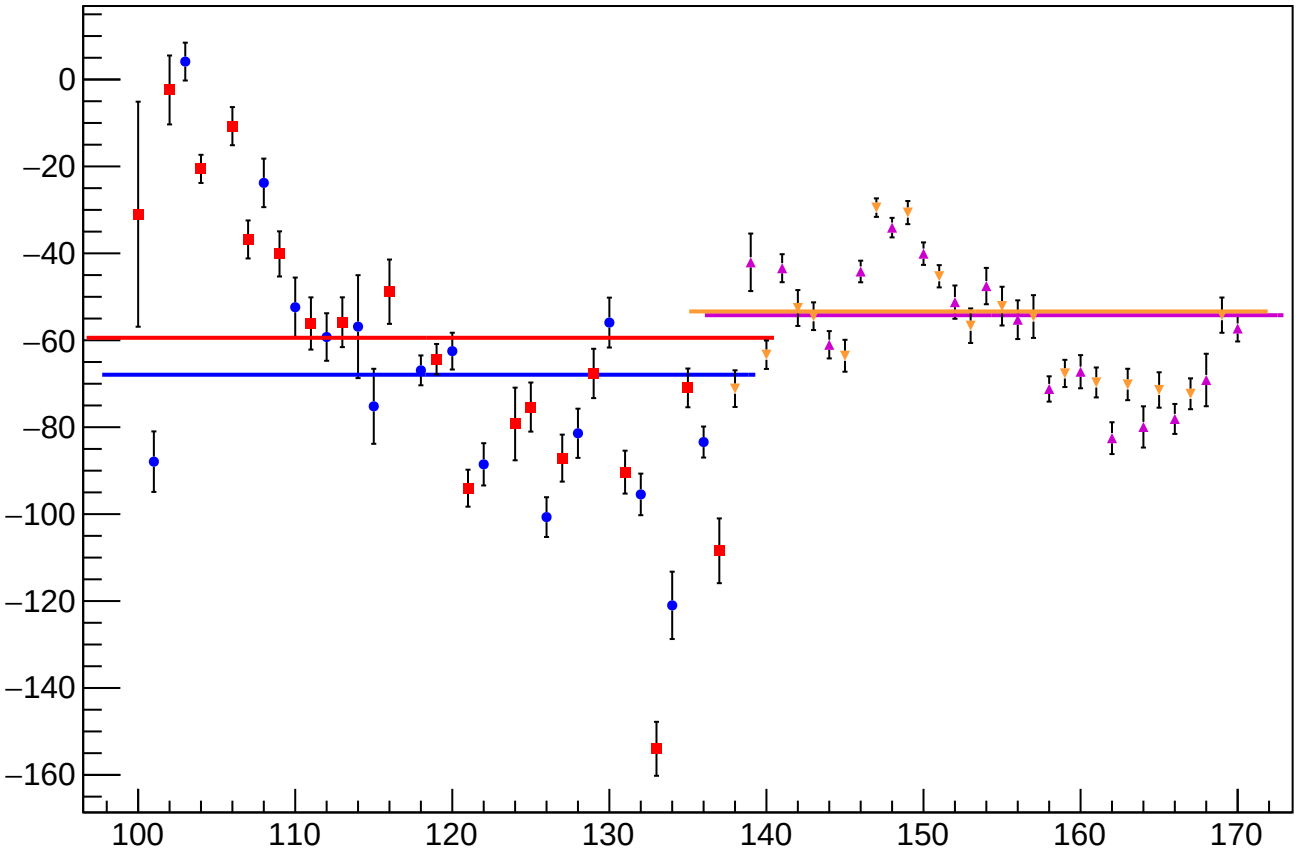
Left: -214.179+/-0.715 χ^2/NDF: 745.1/32

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -219.214+/-0.769 χ^2/NDF:4983.6/31

Out: -208.715+/-0.738 χ^2/NDF:7115.8/35

All: -213.750+/-0.532 χ^2/NDF: 12196.5/67



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.366+/-0.813 χ^2/NDF:357.4/16

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -54.233+/-0.835 χ^2/NDF:339.0/15

Left: -53.788+/-0.582 χ^2/NDF: 697.0/32

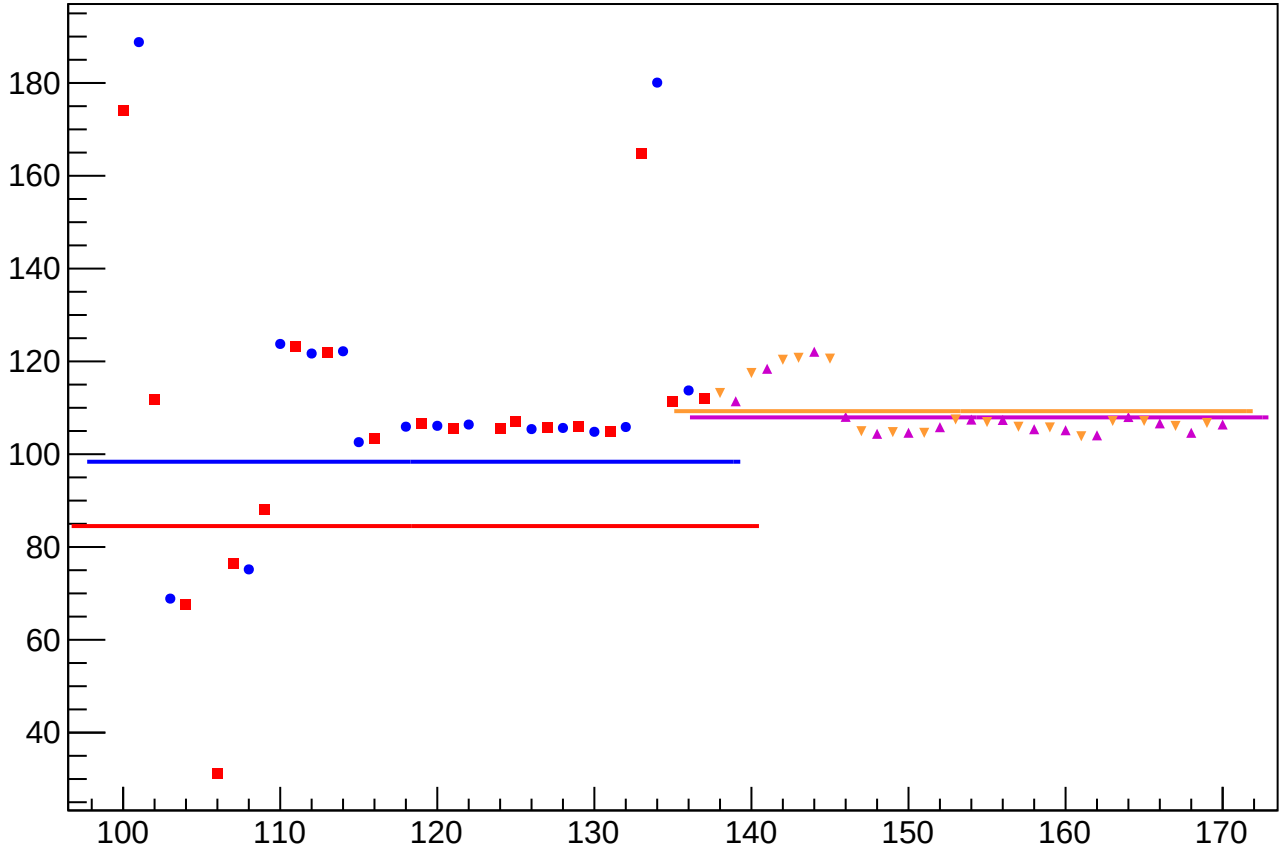
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.329+/-0.699 χ^2/NDF:953.5/31

Out: -55.308+/-0.670 χ^2/NDF:1170.1/35

All: -56.755+/-0.484 χ^2/NDF: 2133.3/67

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.274+/-0.039 χ^2/NDF:22848.5/16

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.935+/-0.039 χ^2/NDF:15465.6/15

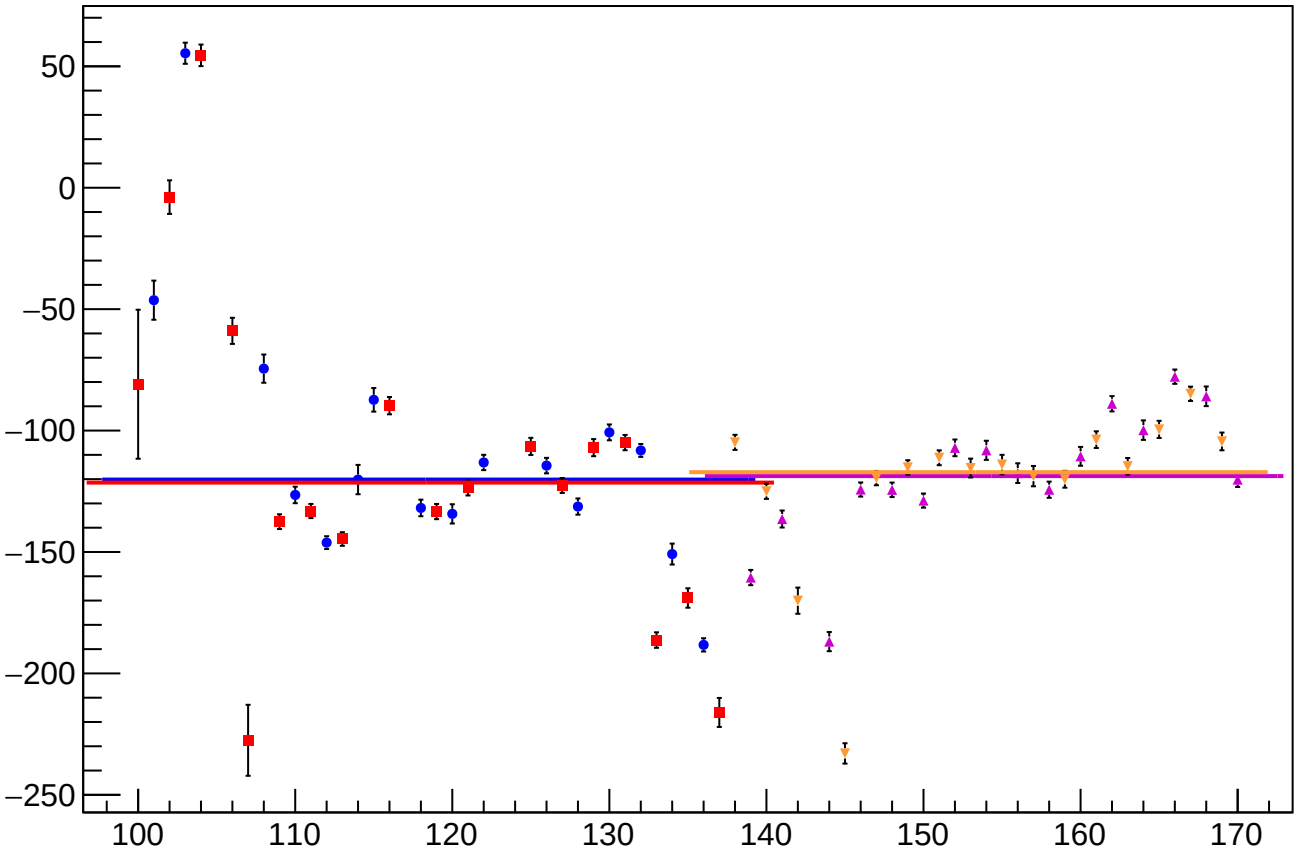
Left: 108.601+/-0.027 χ^2/NDF: 38909.4/32

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.493+/-0.033 χ^2/NDF:259481.5/31

Out: 102.048+/-0.033 χ^2/NDF:409882.2/35

All: 103.738+/-0.023 χ^2/NDF: 674793.3/67



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -117.126+/-0.863 χ^2/NDF:1062.9/15

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -118.741+/-0.842 χ^2/NDF:915.1/15

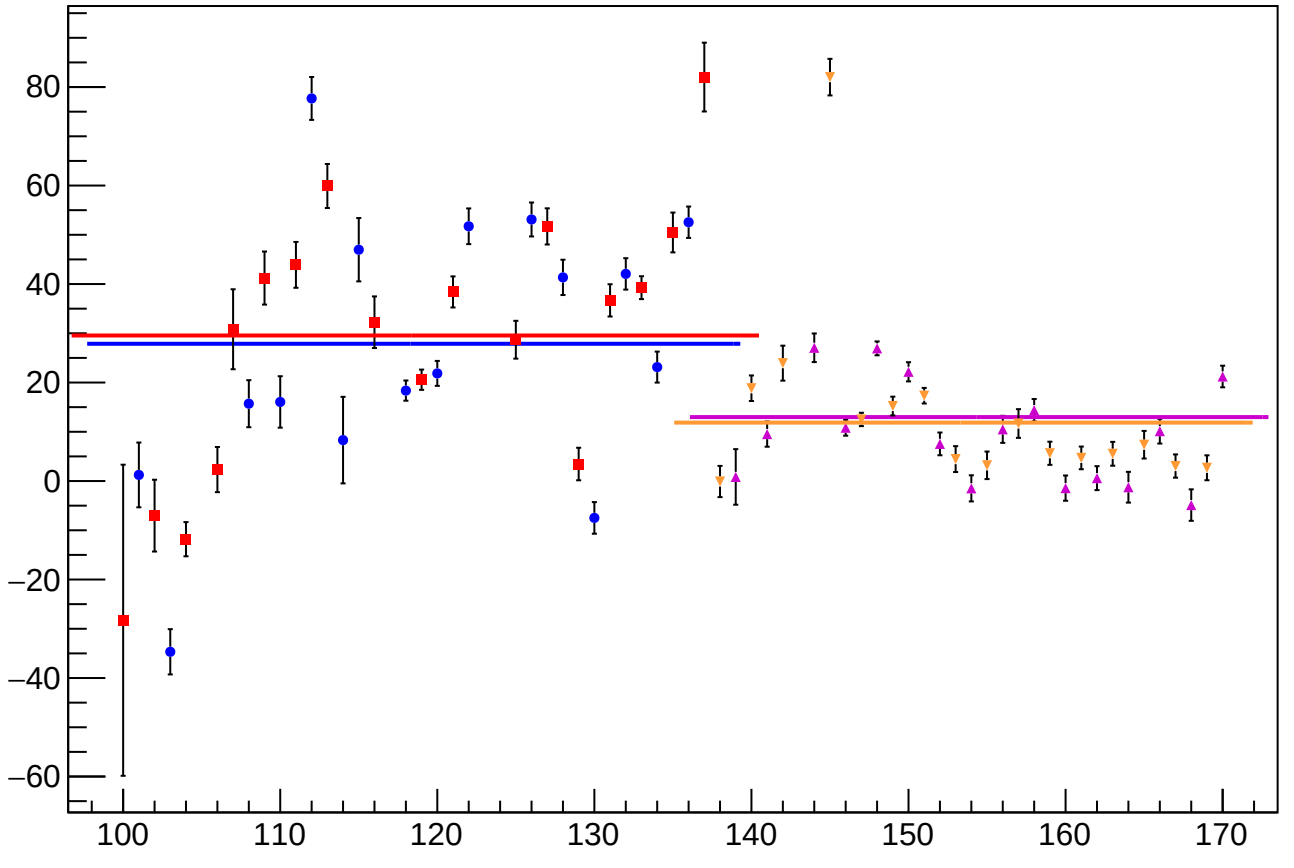
Left: -117.953+/-0.603 χ^2/NDF: 1979.8/31

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -119.419+/-0.612 χ^2/NDF:3607.7/31

Out: -119.241+/-0.614 χ^2/NDF:4201.4/33

All: -119.330+/-0.434 χ^2/NDF: 7809.2/65



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.864+/-0.576 χ^2/NDF:475.8/15

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.984+/-0.578 χ^2/NDF:313.6/15

Left: 12.423+/-0.408 χ^2/NDF: 791.2/31

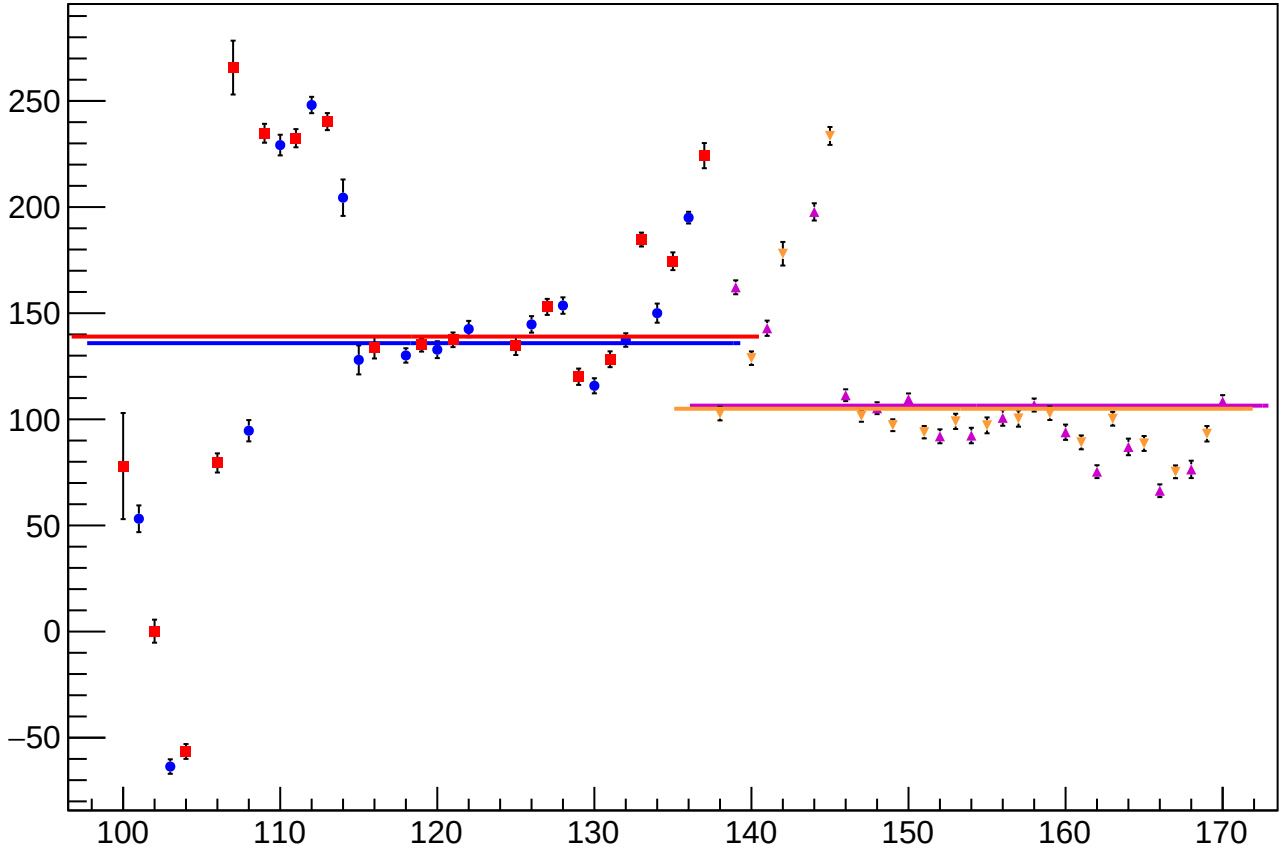
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.414+/-0.484 χ^2/NDF:1210.5/31

Out: 17.092+/-0.484 χ^2/NDF:1251.7/33

All: 17.253+/-0.342 χ^2/NDF: 2462.5/65

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: 104.990+/-0.837 χ^2/NDF:1343.0/15

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 106.443+/-0.817 χ^2/NDF:1310.6/15

Left: 105.734+/-0.585 χ^2/NDF: 2655.2/31

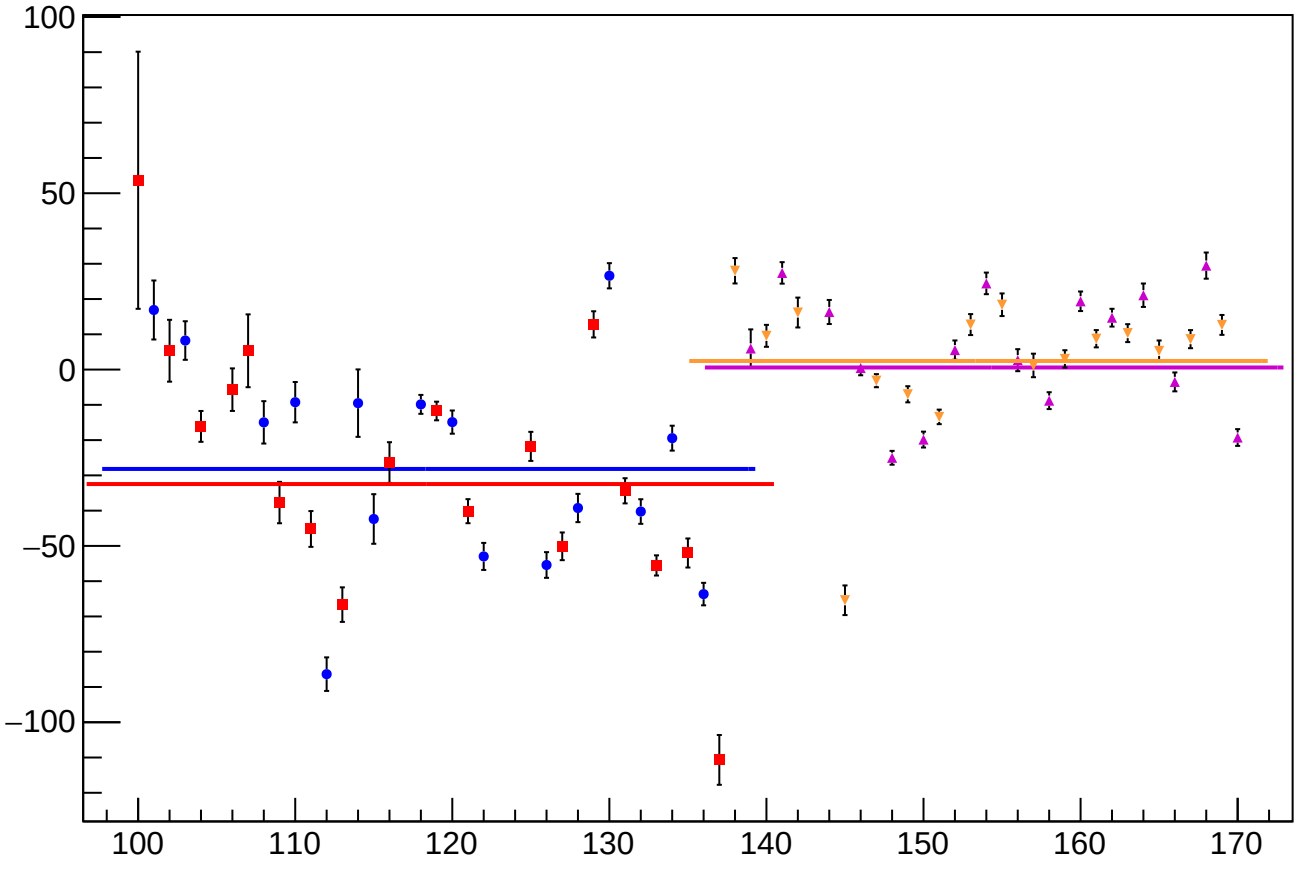
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 118.242+/-0.632 χ^2/NDF:7295.2/31

Out: 119.025+/-0.641 χ^2/NDF:8180.3/33

All: 118.628+/-0.450 χ^2/NDF: 15476.3/65

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: 2.437+/-0.676 χ^2/NDF:485.2/15

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.591+/-0.673 χ^2/NDF:680.6/15

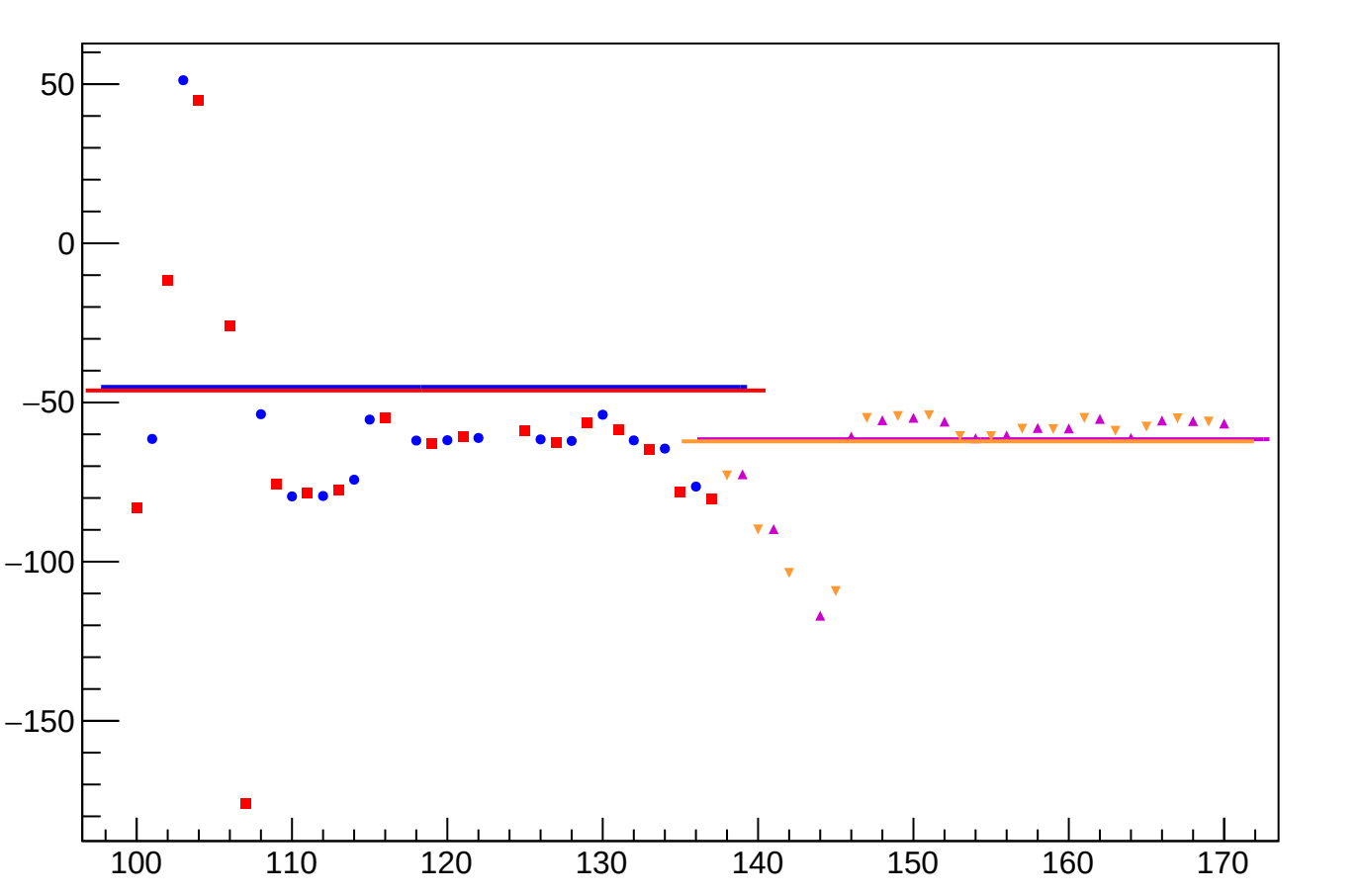
Left: 1.510+/-0.477 χ^2/NDF: 1169.5/31

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -8.114+/-0.562 χ^2/NDF:2024.0/31

Out: -8.111+/-0.565 χ^2/NDF:1871.0/33

All: -8.113+/-0.399 χ^2/NDF: 3895.1/65



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -62.210+/-0.032 χ^2/NDF:186000.7/15

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -61.542+/-0.031 χ^2/NDF:158048.3/15

Left: -61.866+/-0.022 χ^2/NDF: 344279.9/31

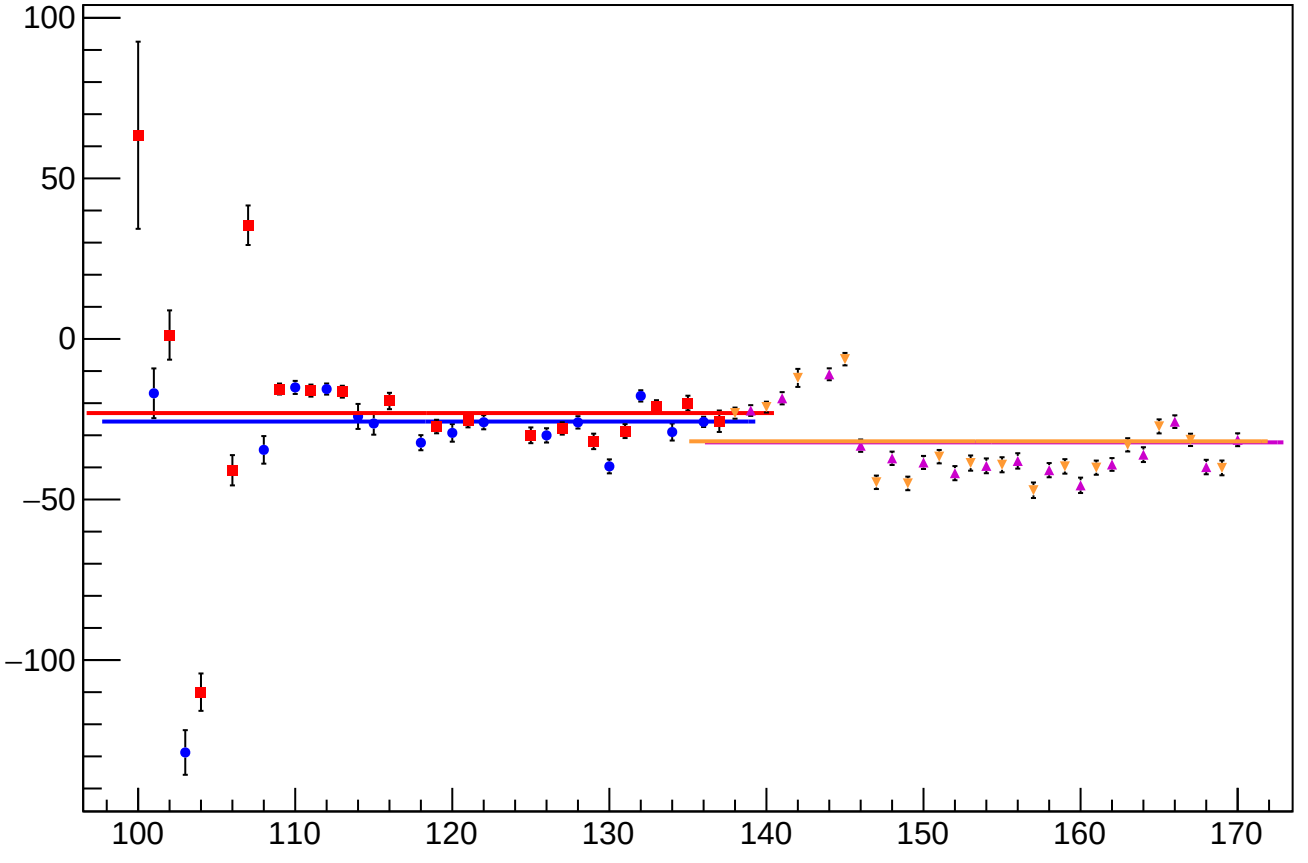
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.167+/-0.027 χ^2/NDF:792602.6/31

Out: -58.968+/-0.028 χ^2/NDF:731592.9/33

All: -58.554+/-0.020 χ^2/NDF: 1524612.9/65

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.881+/-0.527 χ^2/NDF:471.0/15

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.206+/-0.516 χ^2/NDF:351.0/15

Left: -32.047+/-0.369 χ^2/NDF: 822.2/31

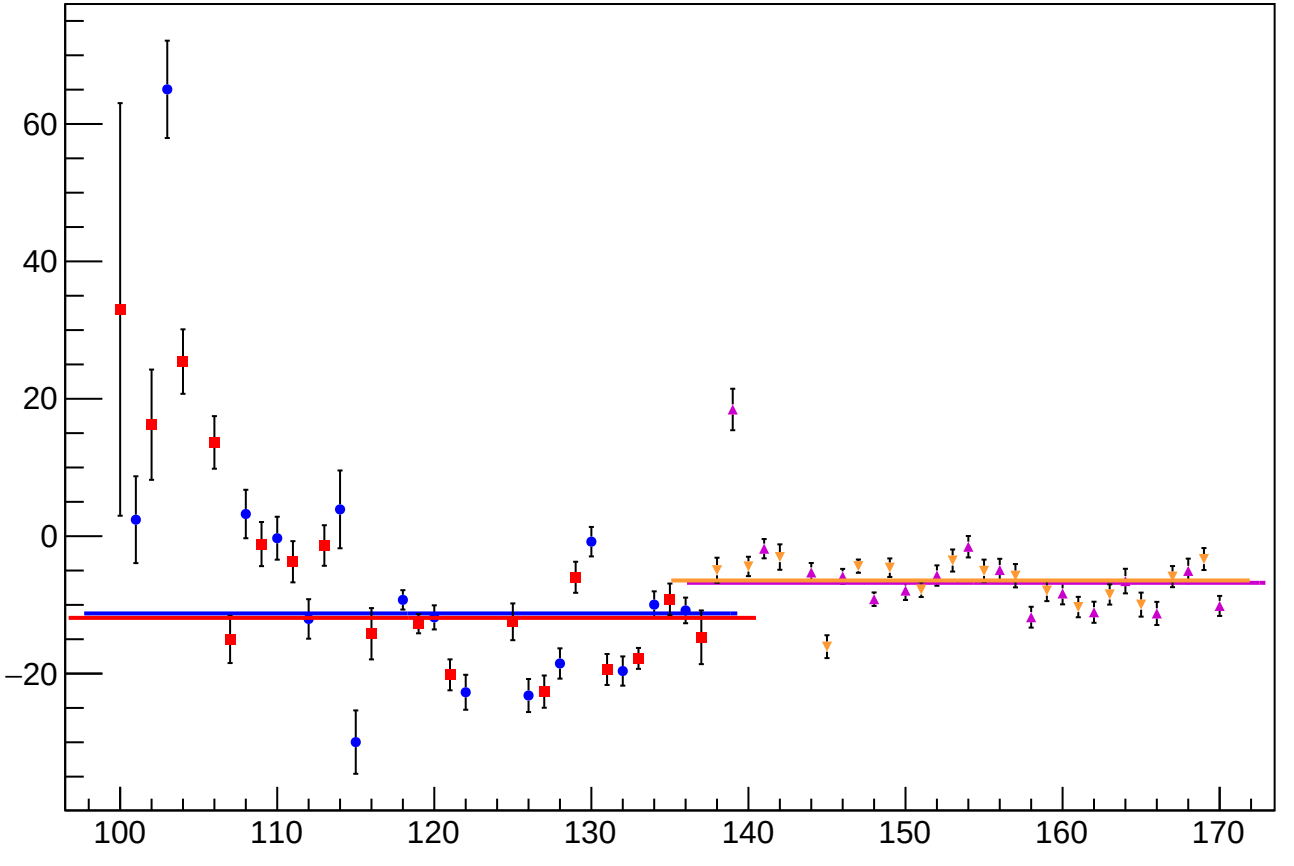
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.396+/-0.389 χ^2/NDF:782.4/31

Out: -27.910+/-0.391 χ^2/NDF:1033.7/33

All: -28.657+/-0.276 χ^2/NDF: 1823.4/65

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: -6.444+/-0.365 χ^2/NDF:69.4/15

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.787+/-0.365 χ^2/NDF:137.0/15

Left: -6.615+/-0.258 χ^2/NDF: 206.9/31

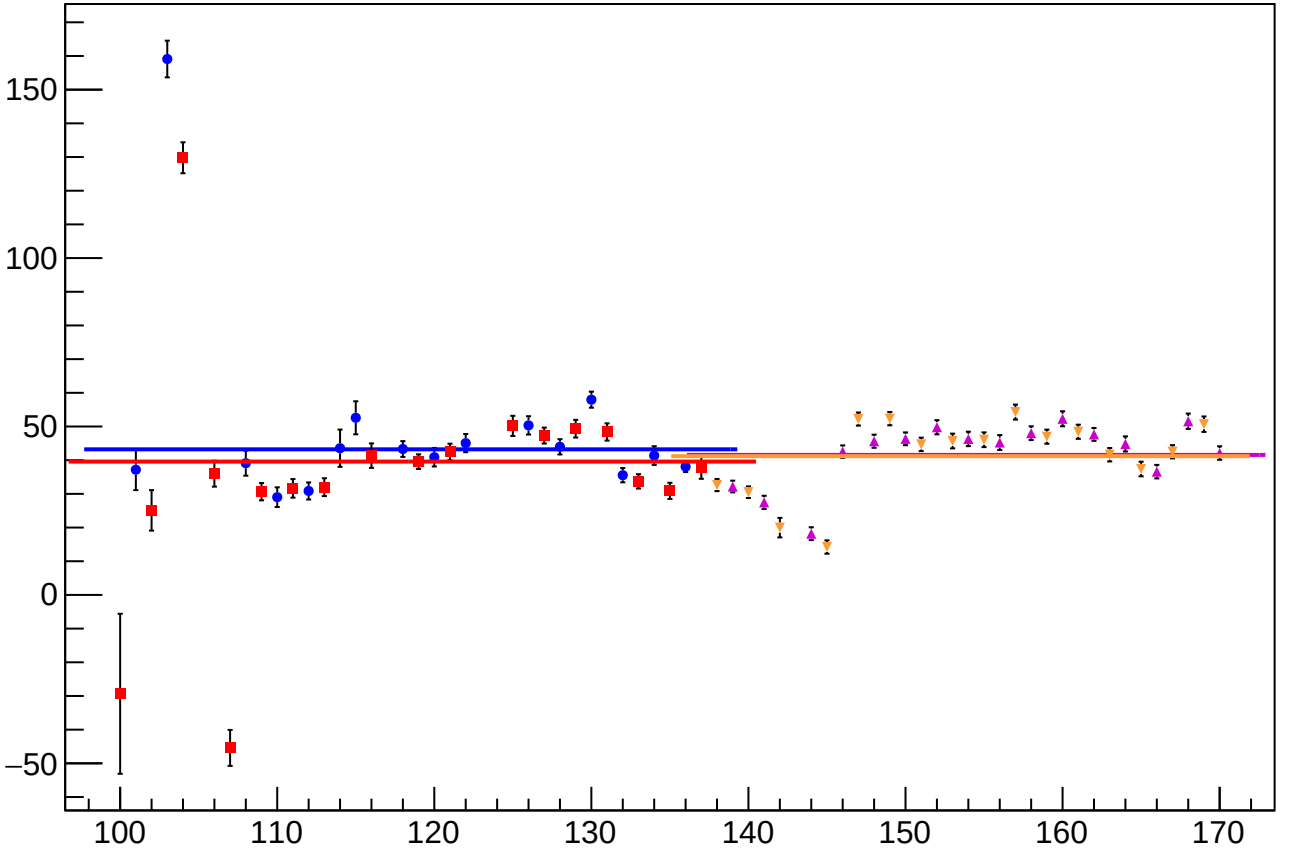
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.993+/-0.312 χ^2/NDF:448.4/31

Out: -7.891+/-0.313 χ^2/NDF:353.0/33

All: -7.942+/-0.221 χ^2/NDF: 801.4/65

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: 41.194+/-0.515 χ^2/NDF:450.6/15

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.565+/-0.503 χ^2/NDF:334.8/15

Left: 41.384+/-0.360 χ^2/NDF: 785.6/31

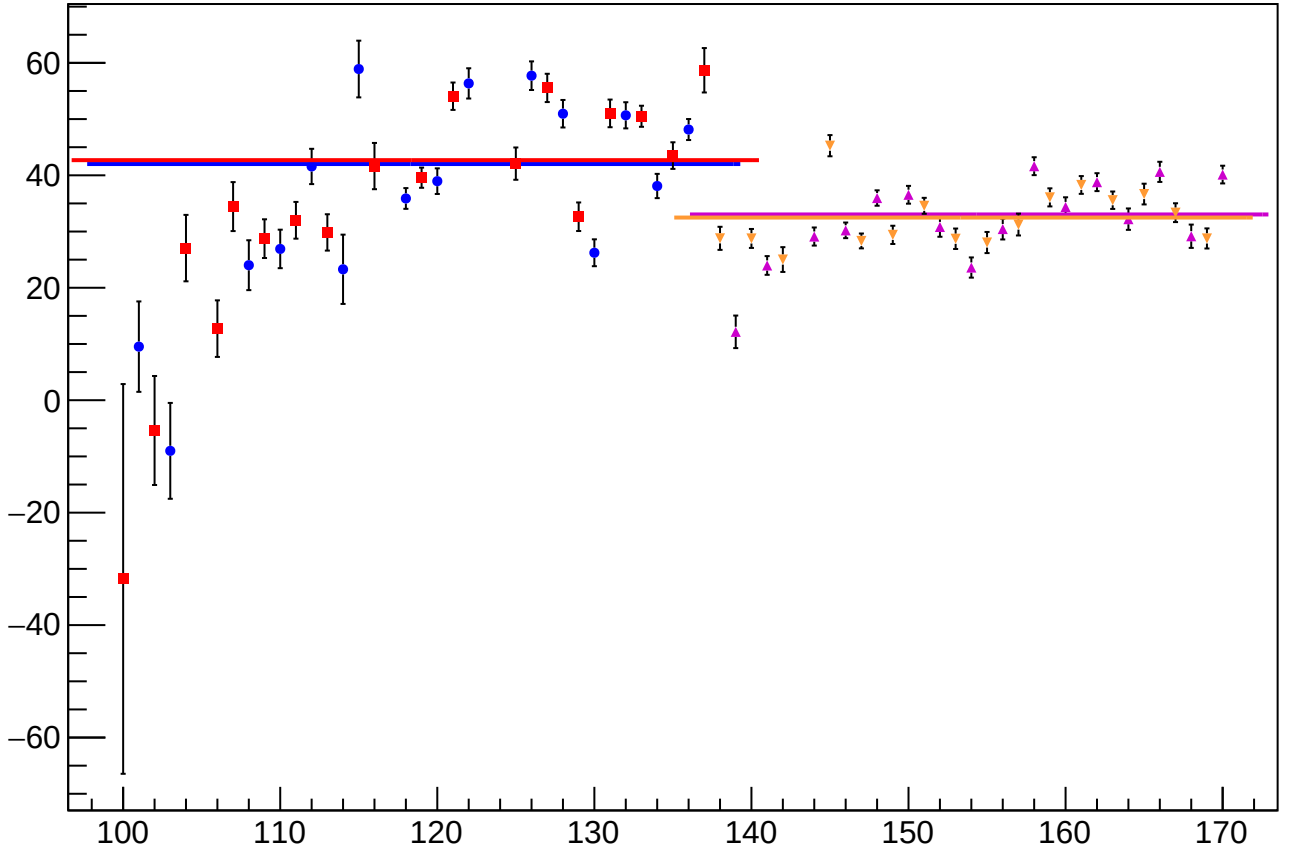
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.154+/-0.404 χ^2/NDF:914.6/31

Out: 40.613+/-0.412 χ^2/NDF:1208.1/33

All: 41.398+/-0.288 χ^2/NDF: 2129.9/65

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.488+/-0.425 χ^2/NDF:123.7/15

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 33.038+/-0.423 χ^2/NDF:217.0/15

Left: 32.764+/-0.300 χ^2/NDF: 341.5/31

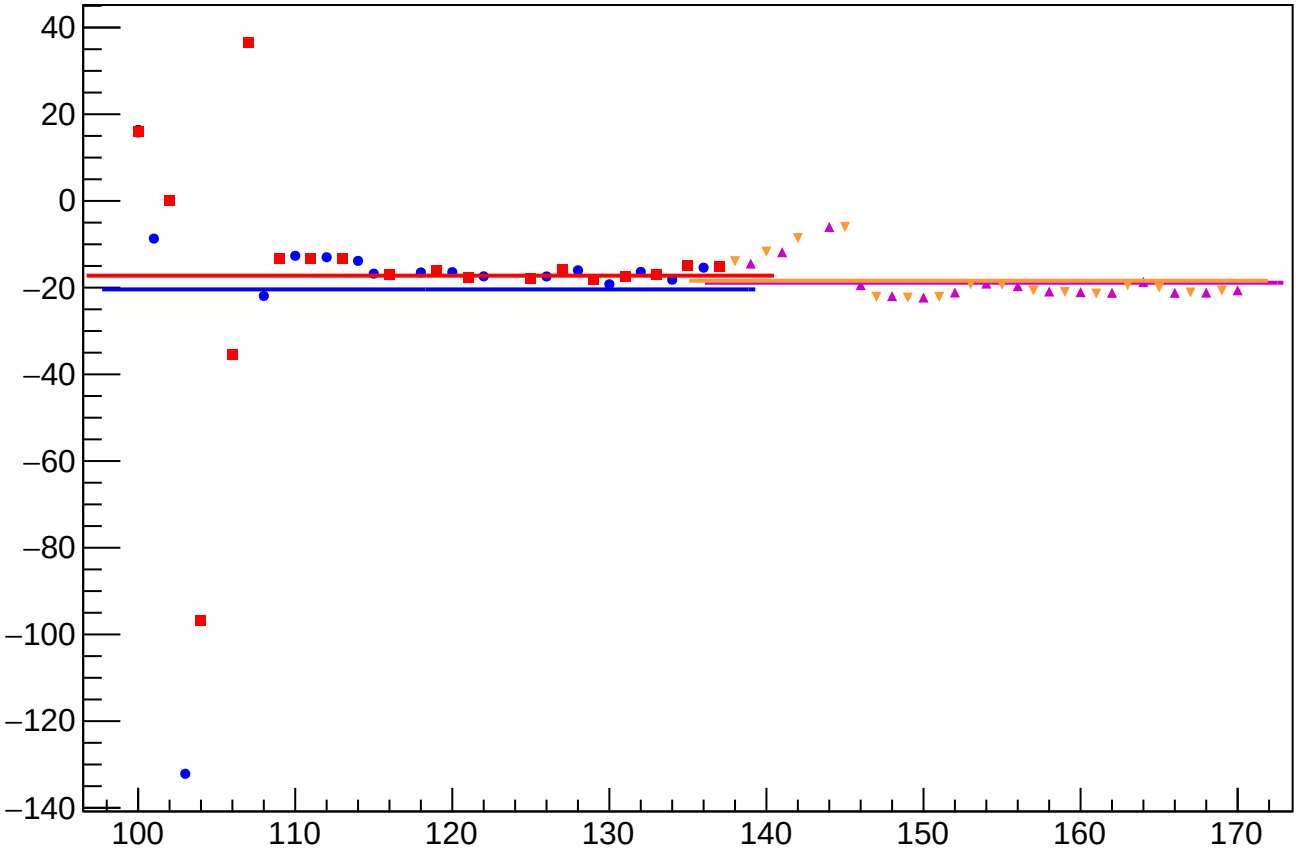
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.518+/-0.360 χ^2/NDF:614.2/31

Out: 35.264+/-0.362 χ^2/NDF:511.1/33

All: 35.392+/-0.255 χ^2/NDF: 1125.6/65

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.411+/-0.019 χ^2/NDF:57150.7/15

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.866+/-0.019 χ^2/NDF:45047.8/15

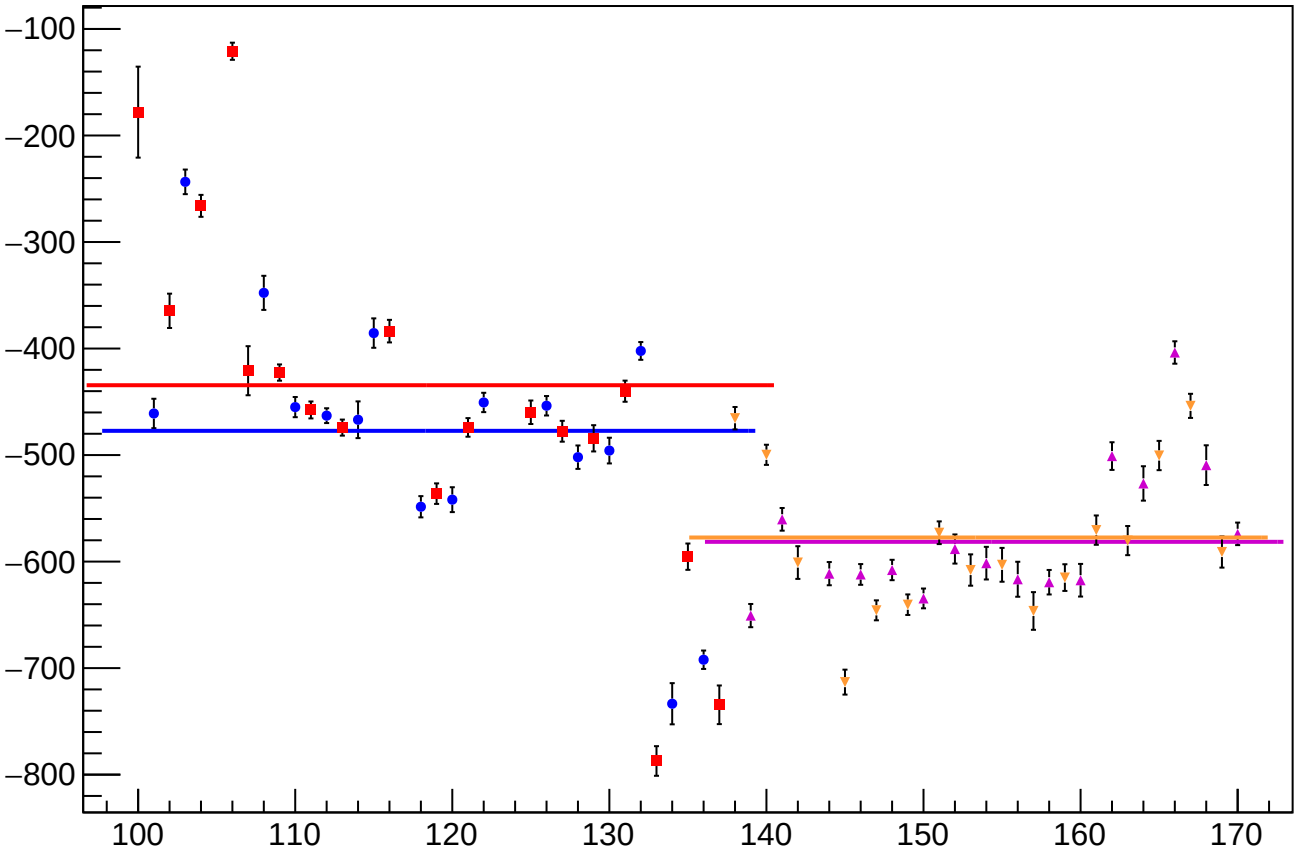
Left: -18.645+/-0.013 χ^2/NDF: 102481.7/31

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

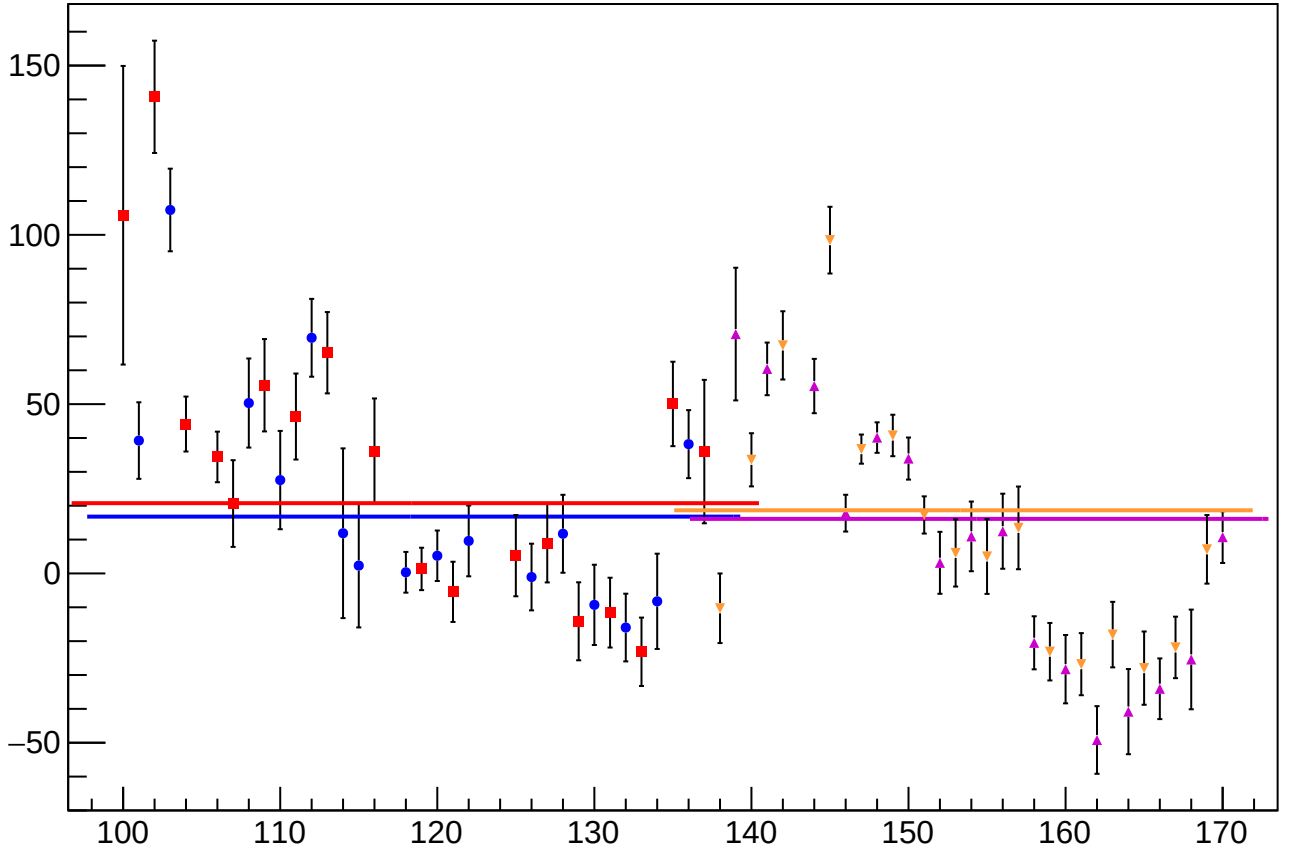
In: -19.124+/-0.017 χ^2/NDF:291782.8/31

Out: -18.221+/-0.018 χ^2/NDF:262403.3/33

All: -18.687+/-0.012 χ^2/NDF: 555523.8/65


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -577.385+/-3.025 χ²/NDF:596.7/15
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -581.452+/-2.955 χ²/NDF:475.6/15
Left: -579.467+/-2.114 χ²/NDF: 1073.3/31
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -523.366+/-1.966 χ²/NDF:2679.5/31
Out: -491.438+/-1.910 χ²/NDF:5100.8/33
All: -506.945+/-1.370 χ²/NDF: 7916.0/65

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: 18.647+/-1.994 χ^2/NDF:237.4/15

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 16.110+/-2.000 χ^2/NDF:247.4/15

Left: 17.382+/-1.412 χ^2/NDF: 485.6/31

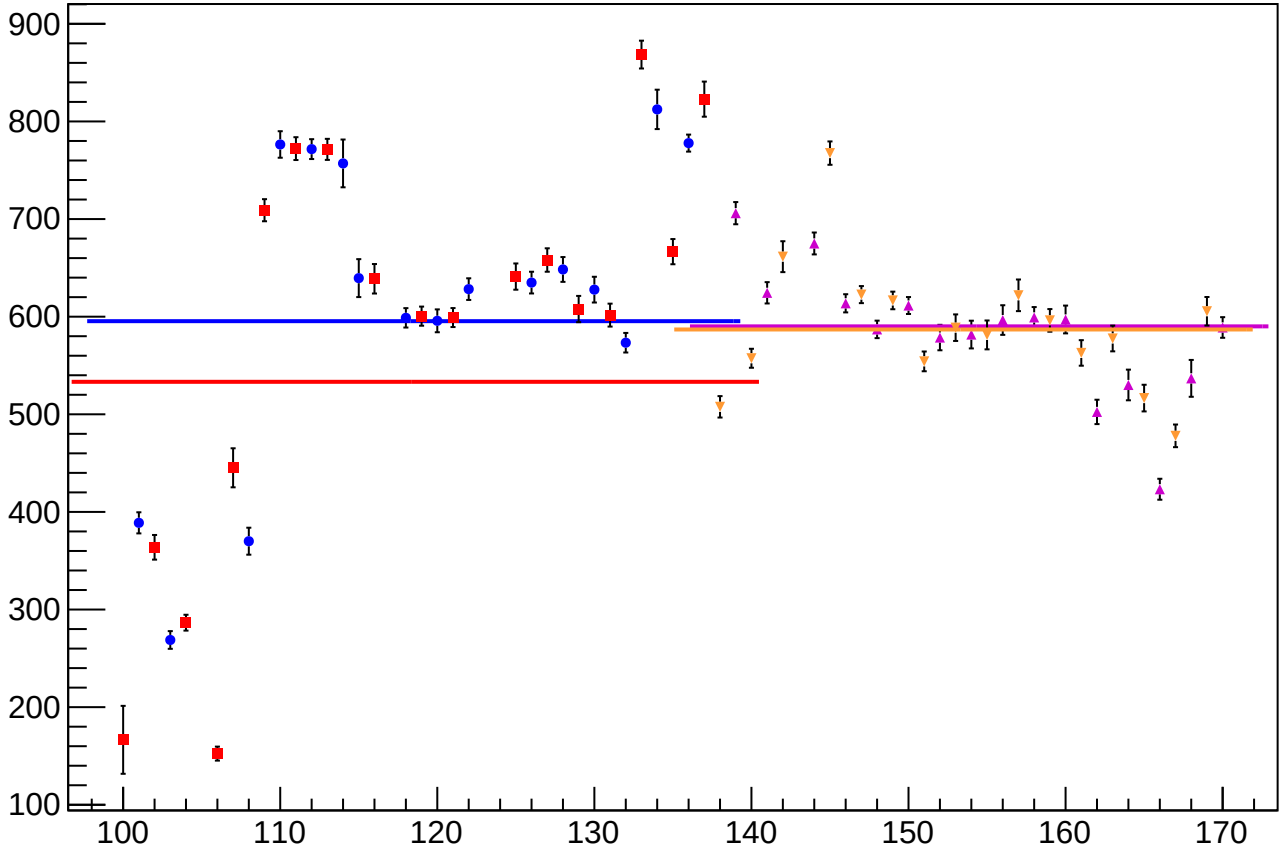
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.353+/-1.597 χ^2/NDF:372.4/31

Out: 19.445+/-1.570 χ^2/NDF:395.7/33

All: 17.925+/-1.120 χ^2/NDF: 770.1/65

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 586.889+/-2.945 χ^2/NDF:475.3/15

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 590.079+/-2.871 χ^2/NDF:499.9/15

Left: 588.524+/-2.056 χ^2/NDF: 975.7/31

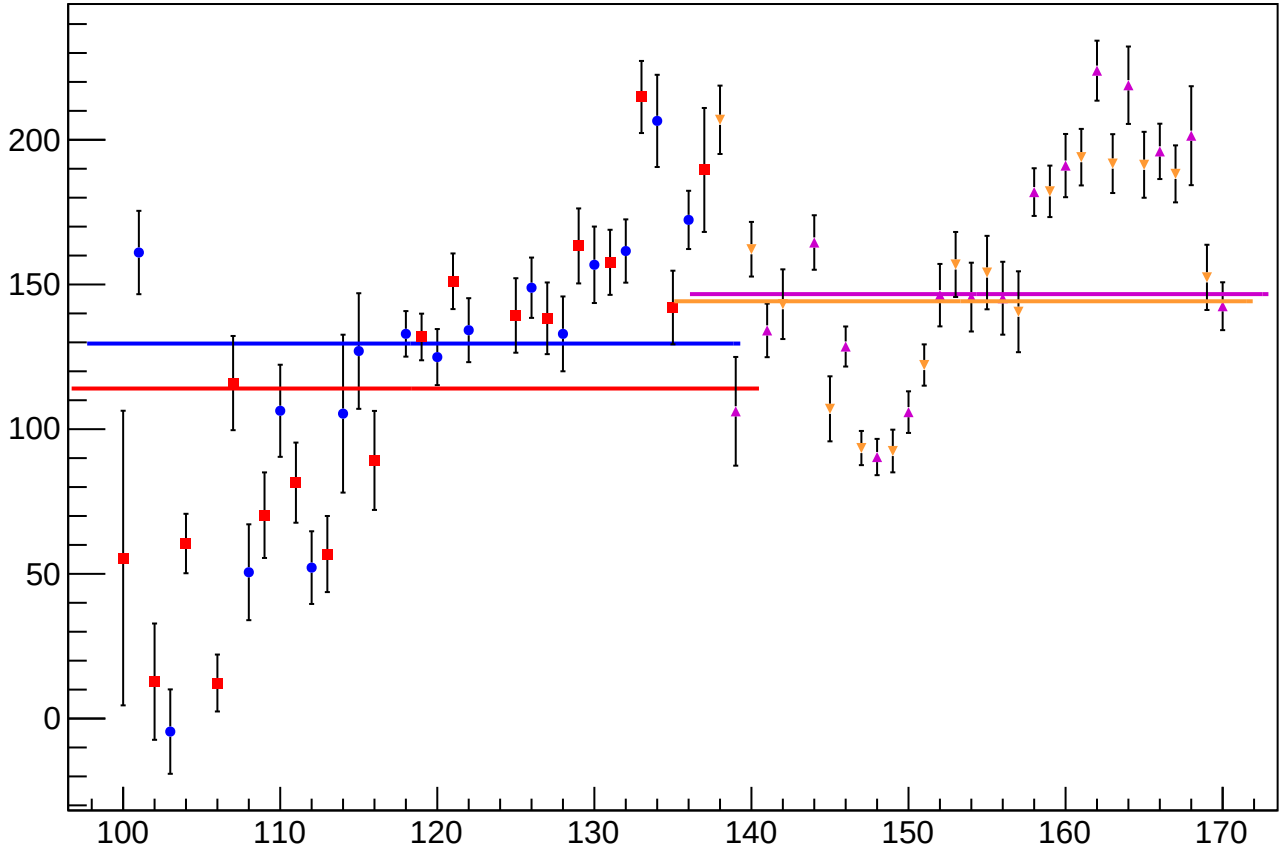
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 592.689+/-2.051 χ^2/NDF:3561.3/31

Out: 558.217+/-2.008 χ^2/NDF:7155.4/33

All: 575.094+/-1.435 χ^2/NDF: 10860.9/65

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: 144.201+/-2.372 χ^2/NDF:281.0/15

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 146.673+/-2.355 χ^2/NDF:286.3/15

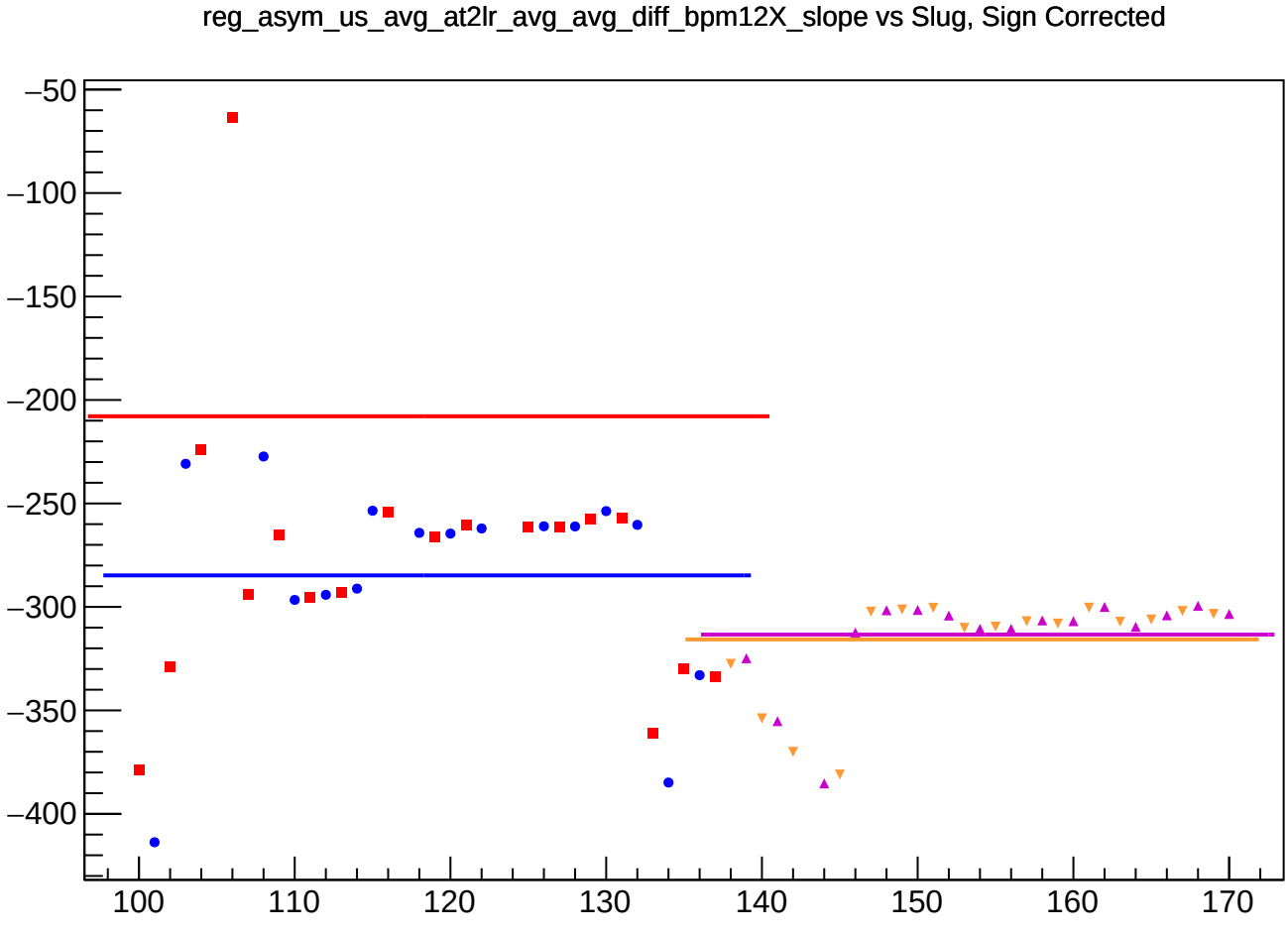
Left: 145.446+/-1.671 χ^2/NDF: 567.8/31

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 140.372+/-1.871 χ^2/NDF:517.0/31

Out: 132.491+/-1.855 χ^2/NDF:679.7/33

All: 136.397+/-1.317 χ^2/NDF: 1205.6/65



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -315.690+/-0.113 χ^2/NDF:42823.5/15

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -313.350+/-0.109 χ^2/NDF:35678.1/15

Left: -314.475+/-0.079 χ^2/NDF: 78722.1/31

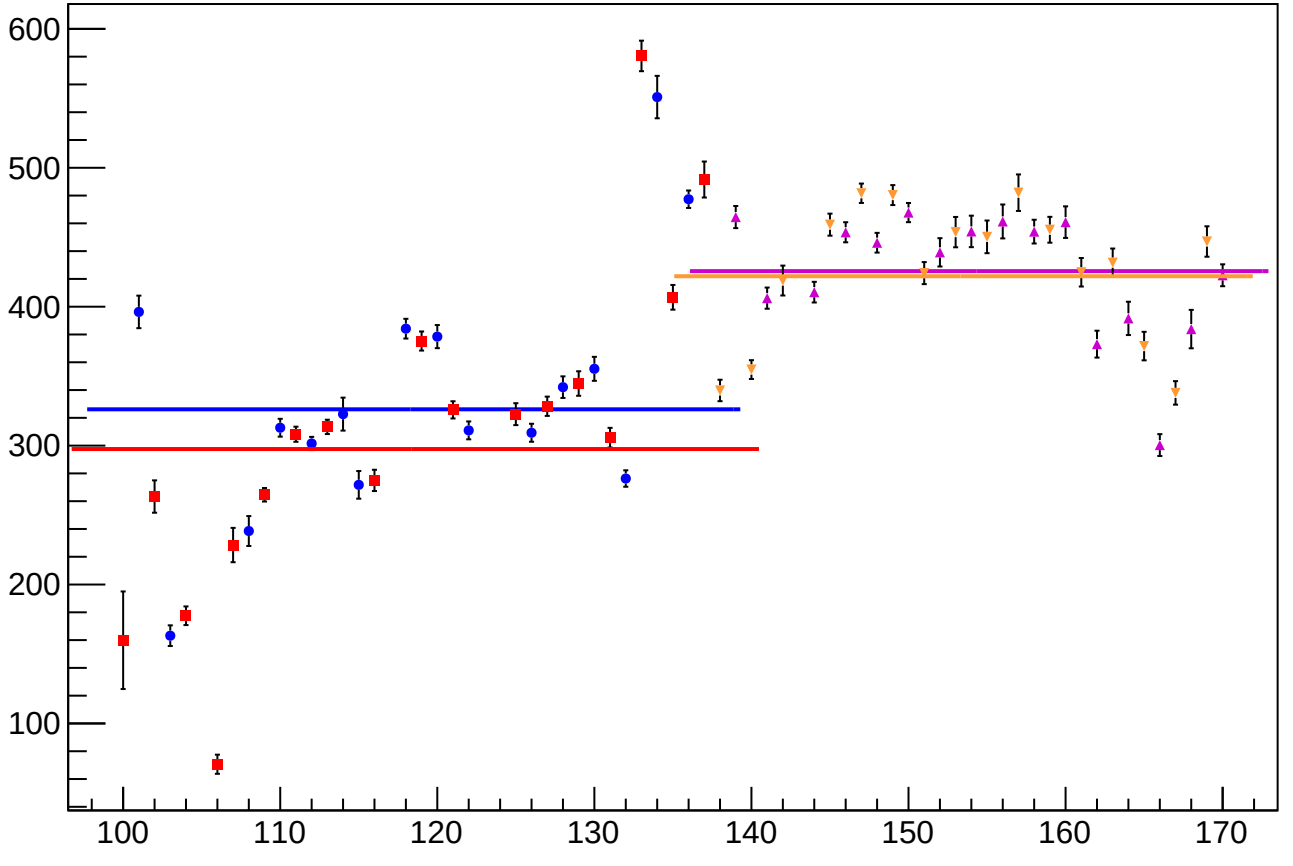
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.503+/-0.093 χ^2/NDF:158852.6/31

Out: -276.051+/-0.090 χ^2/NDF:911323.2/33

All: -290.330+/-0.065 χ^2/NDF: 1121808.7/65

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: 421.926+/-2.221 χ^2/NDF:550.1/15

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.605+/-2.173 χ^2/NDF:432.7/15

Left: 423.805+/-1.553 χ^2/NDF: 984.2/31

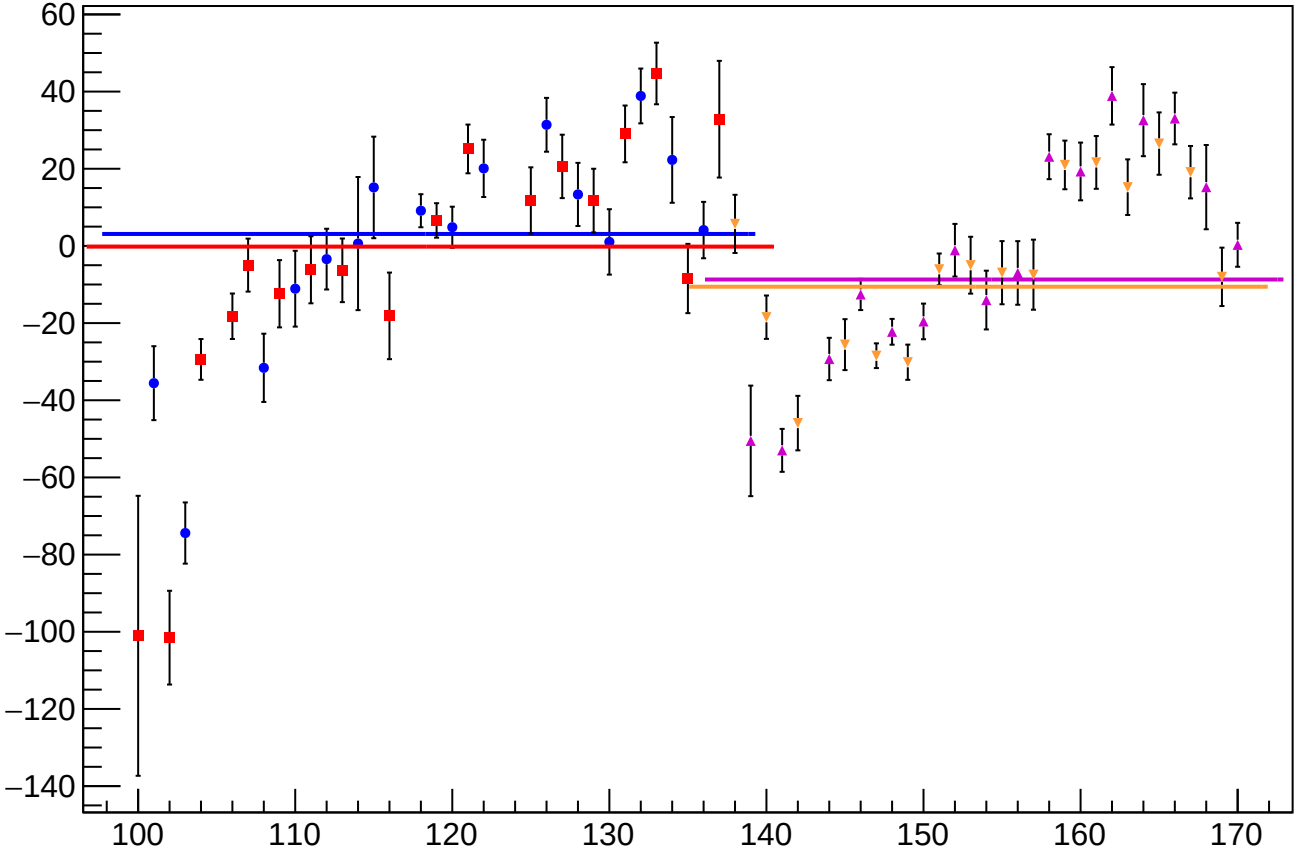
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.103+/-1.412 χ^2/NDF:3286.6/31

Out: 344.676+/-1.367 χ^2/NDF:5274.2/33

All: 356.012+/-0.982 χ^2/NDF: 8702.9/65

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -10.570+/-1.470 χ^2/NDF:188.9/15

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.703+/-1.475 χ^2/NDF:260.9/15

Left: -9.640+/-1.041 χ^2/NDF: 450.6/31

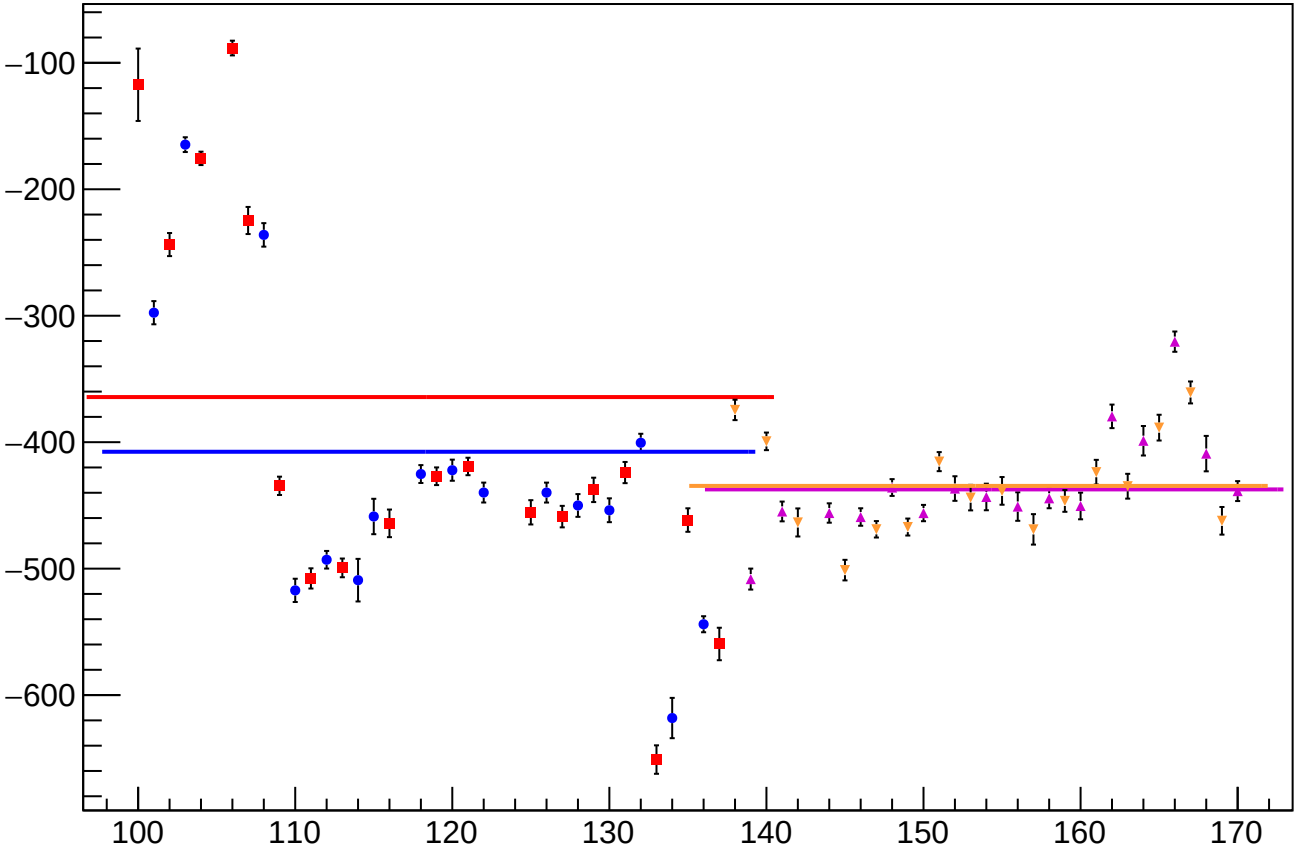
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.242+/-1.163 χ^2/NDF:469.7/31

Out: -6.390+/-1.136 χ^2/NDF:414.2/33

All: -5.341+/-0.813 χ^2/NDF: 885.6/65

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -434.574+/-2.165 χ^2/NDF:324.4/15

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.350+/-2.114 χ^2/NDF:372.4/15

Left: -435.995+/-1.512 χ^2/NDF: 697.6/31

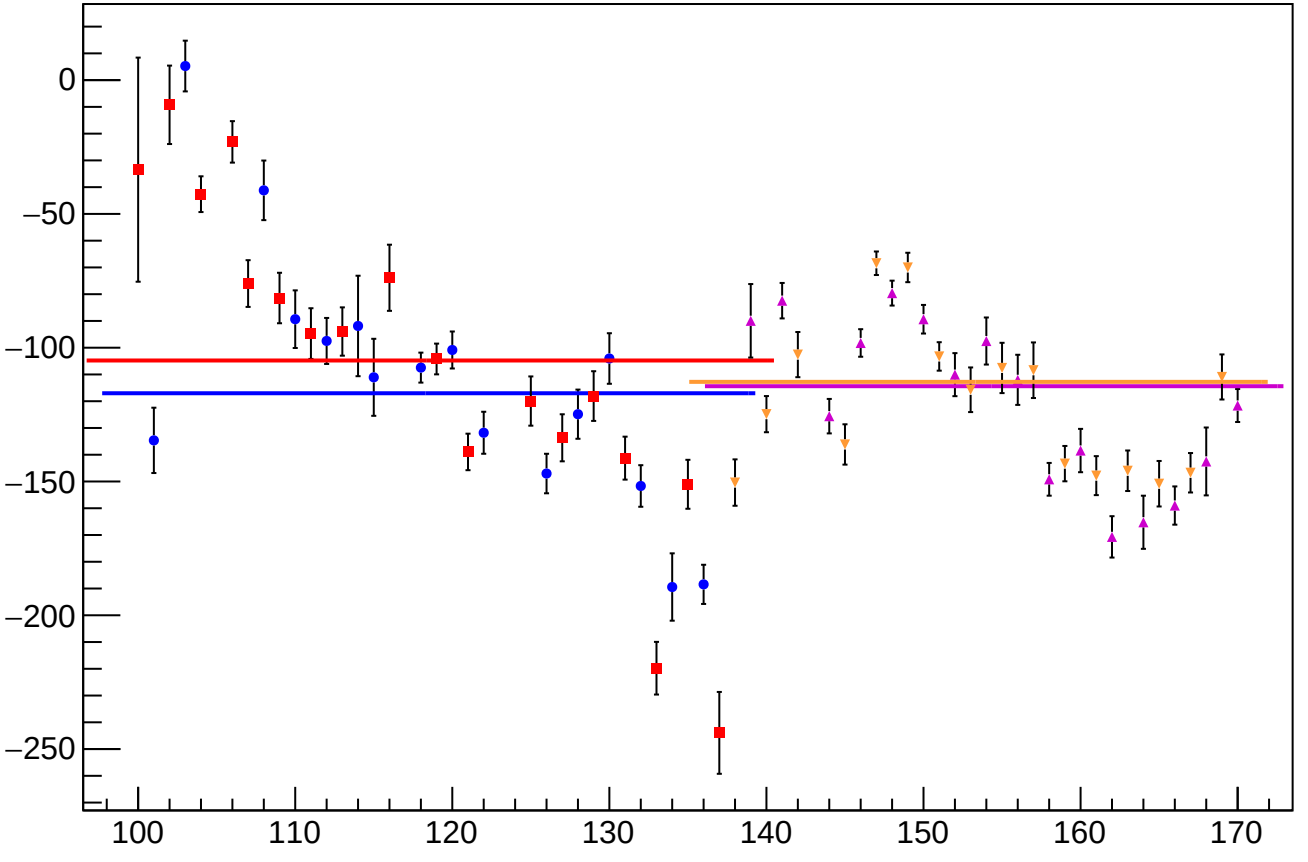
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.177+/-1.480 χ^2/NDF:3754.0/31

Out: -395.657+/-1.446 χ^2/NDF:7128.2/33

All: -408.602+/-1.034 χ^2/NDF: 11046.5/65

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.764+/-1.747 χ^2/NDF:304.3/15

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.389+/-1.736 χ^2/NDF:286.8/15

Left: -113.582+/-1.232 χ^2/NDF: 591.5/31

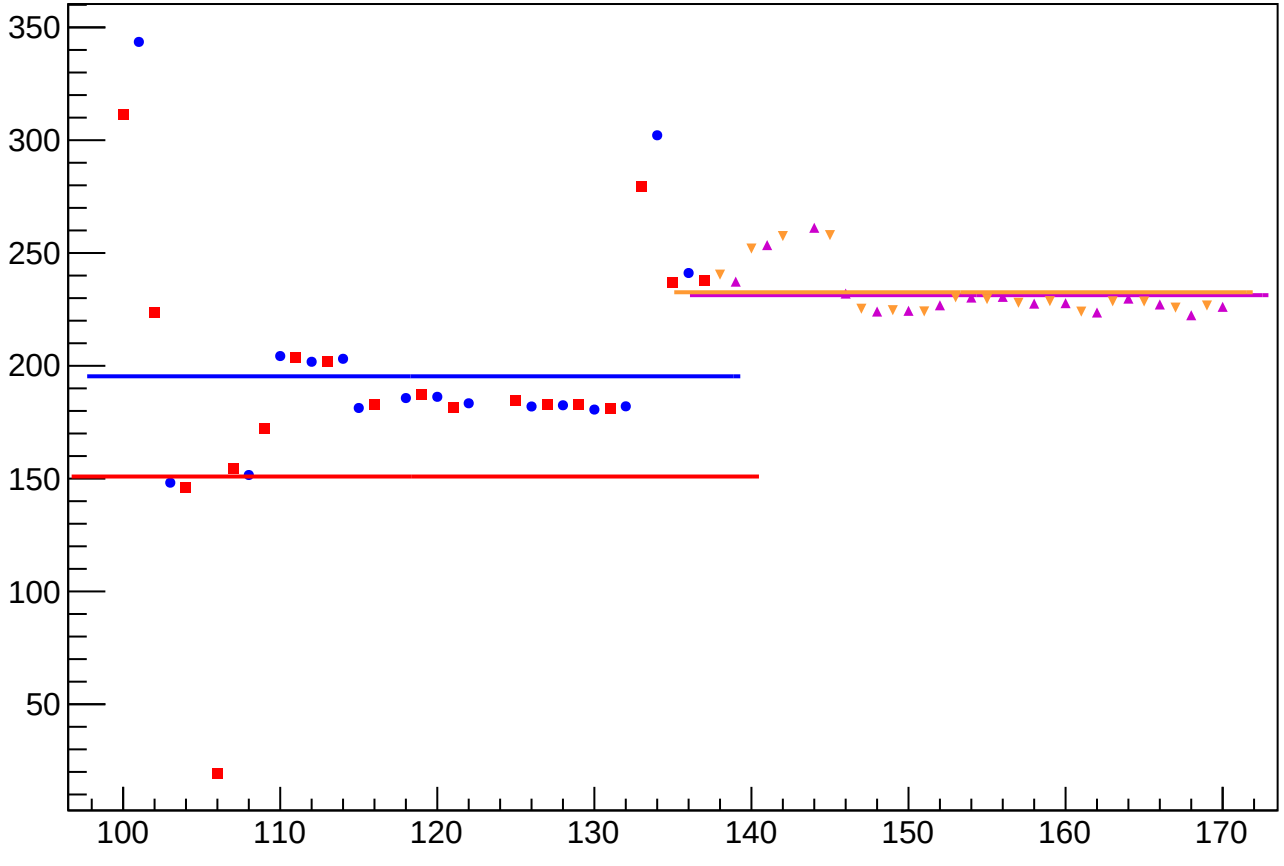
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -115.403+/-1.362 χ^2/NDF:695.5/31

Out: -109.481+/-1.341 χ^2/NDF:887.9/33

All: -112.396+/-0.955 χ^2/NDF: 1593.0/65

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 232.600+/-0.084 χ^2/NDF:17835.4/15

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 231.313+/-0.081 χ^2/NDF:16042.9/15

Left: 231.933+/-0.058 χ^2/NDF: 34001.1/31

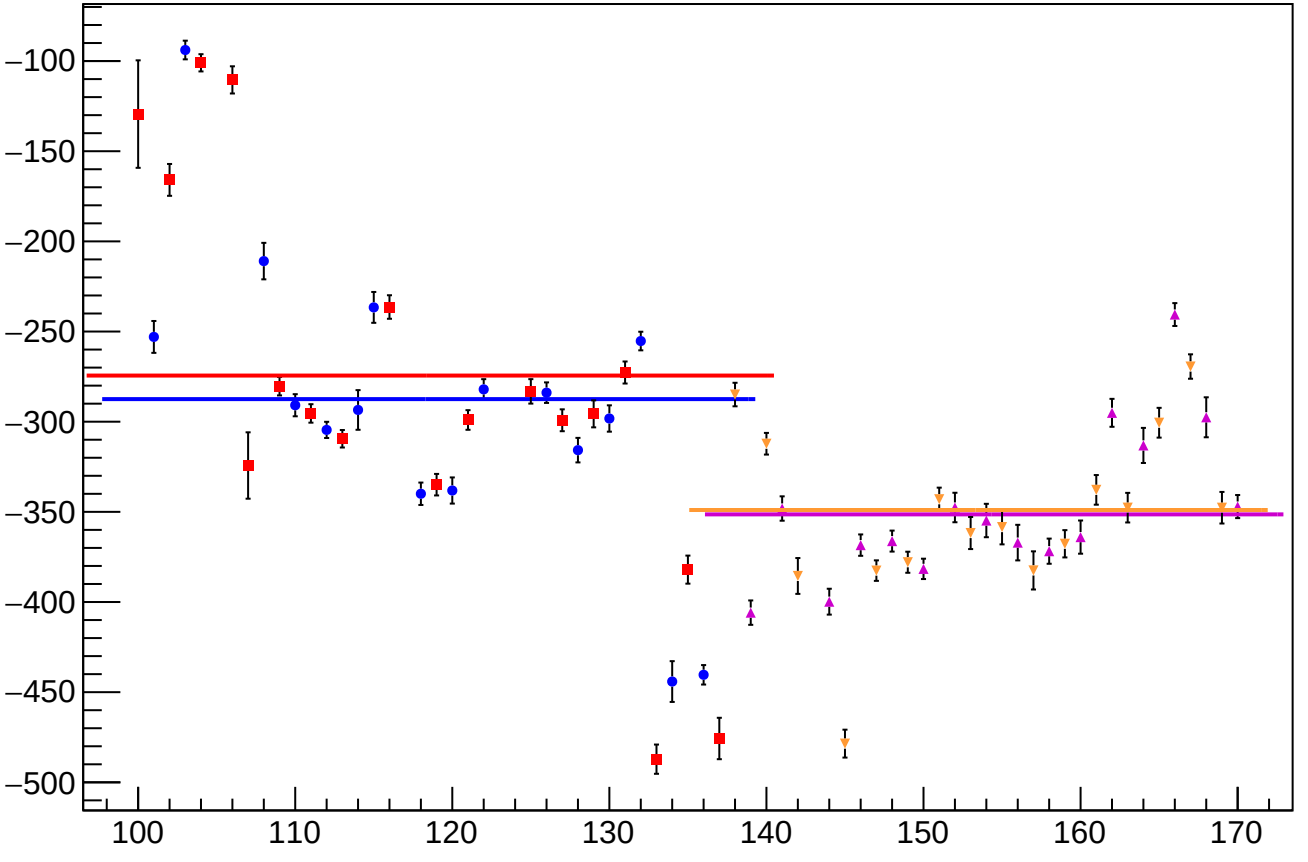
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.715+/-0.068 χ^2/NDF:251744.4/31

Out: 202.772+/-0.067 χ^2/NDF:865885.2/33

All: 211.600+/-0.047 χ^2/NDF: 1153361.6/65

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -348.975+/-1.852 χ^2/NDF:681.7/15

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -351.400+/-1.806 χ^2/NDF:565.4/15

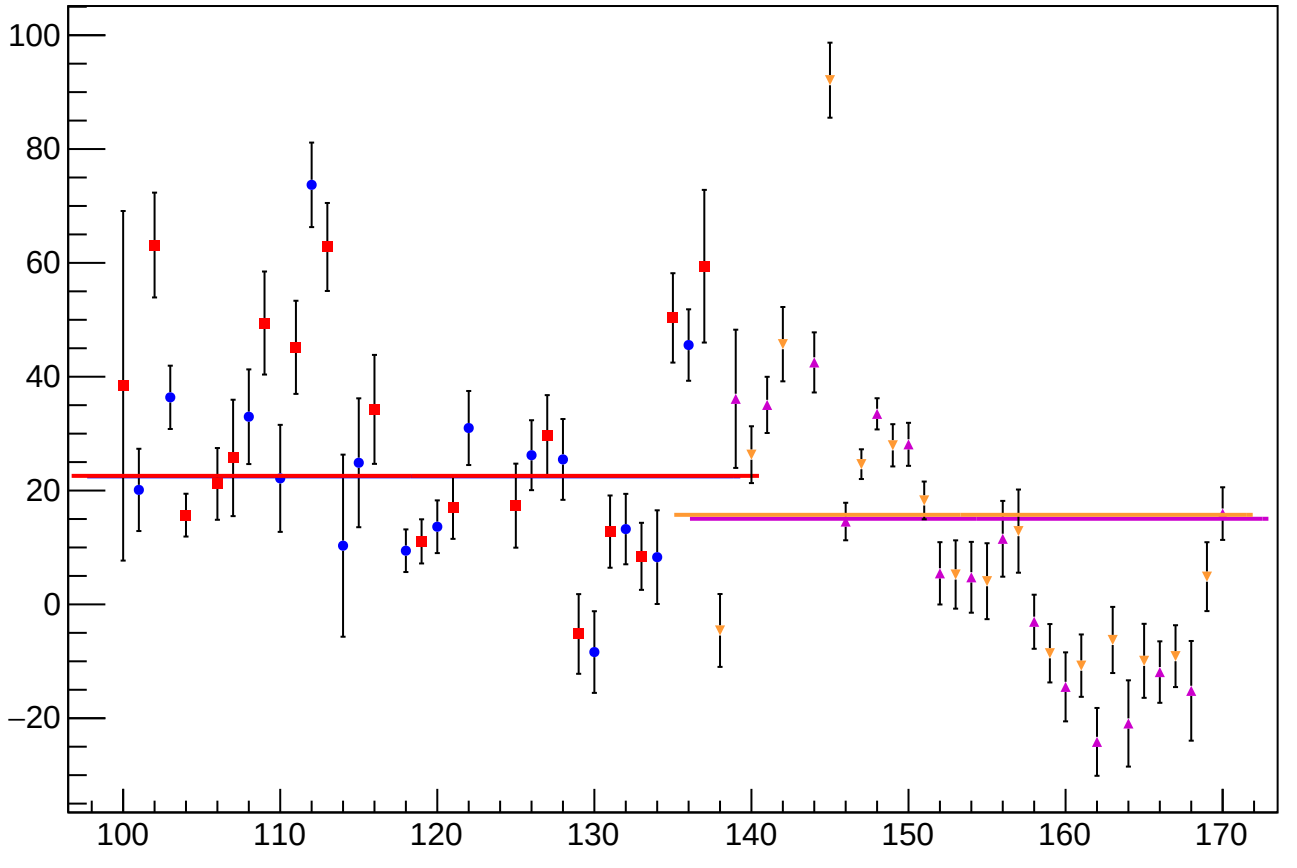
Left: -350.218+/-1.293 χ^2/NDF: 1248.0/31

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

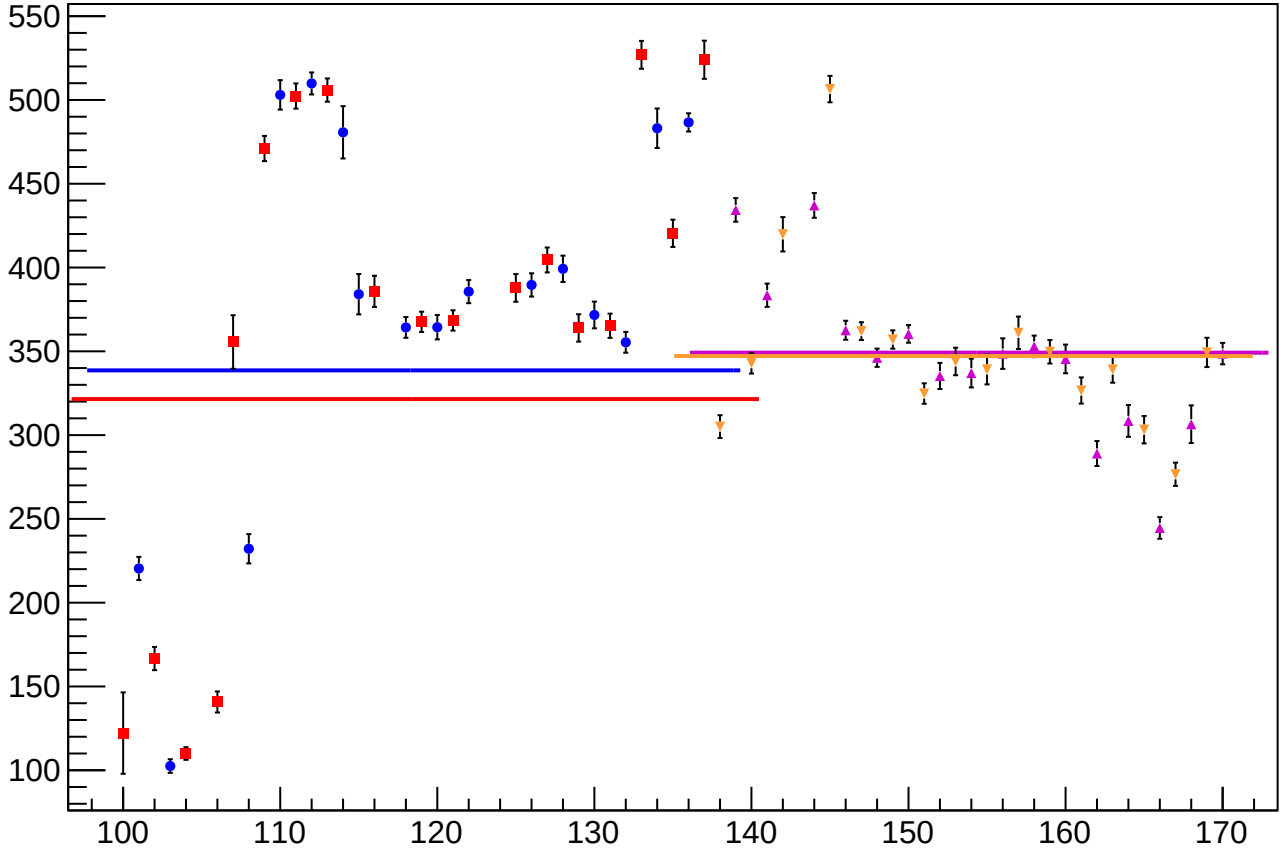
In: -315.799+/-1.202 χ^2/NDF:3959.3/31

Out: -305.157+/-1.189 χ^2/NDF:5047.4/33

All: -310.420+/-0.846 χ^2/NDF: 9046.3/65


reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 22.492+/-1.621 χ²/NDF: 111.4/15
Left Out: 15.736+/-1.216 χ²/NDF:299.0/15
Right Out: 22.580+/-1.570 χ²/NDF: 123.3/17
Left In: 15.043+/-1.220 χ²/NDF:250.6/15
Left: 15.391+/-0.861 χ²/NDF: 549.8/31
Right: 22.537+/-1.128 χ²/NDF: 234.8/33
In: 17.737+/-0.975 χ²/NDF:375.6/31
Out: 18.304+/-0.962 χ²/NDF:434.2/33
All: 18.025+/-0.685 χ²/NDF: 809.9/65

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 347.175+/-1.800 χ^2/NDF:665.6/15

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 349.190+/-1.753 χ^2/NDF:688.0/15

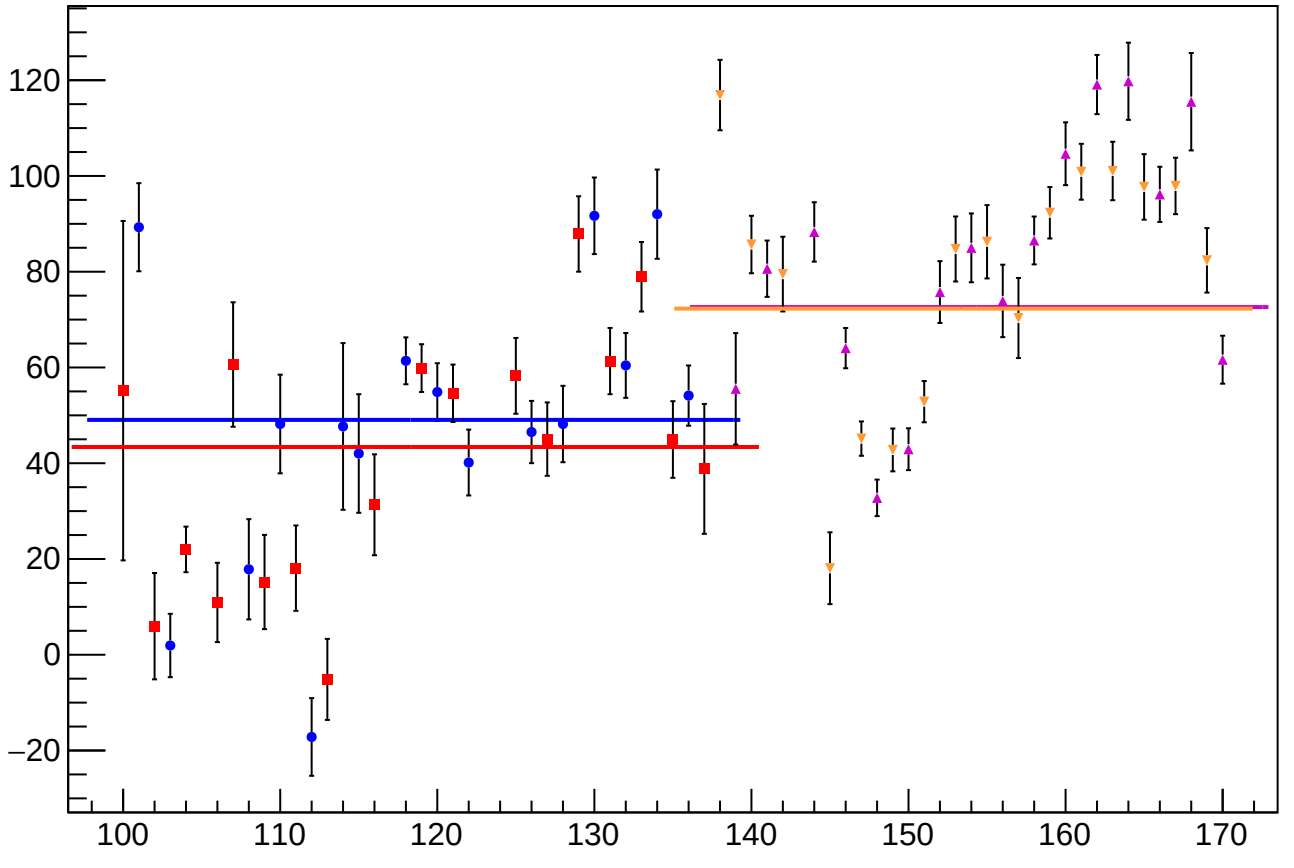
Left: 348.209+/-1.256 χ^2/NDF: 1354.3/31

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 343.897+/-1.238 χ^2/NDF:6748.9/31

Out: 333.563+/-1.234 χ^2/NDF:8494.3/33

All: 338.712+/-0.874 χ^2/NDF: 15278.2/65



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 72.295+/-1.446 χ^2/NDF:317.9/15

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.617+/-1.435 χ^2/NDF:334.7/15

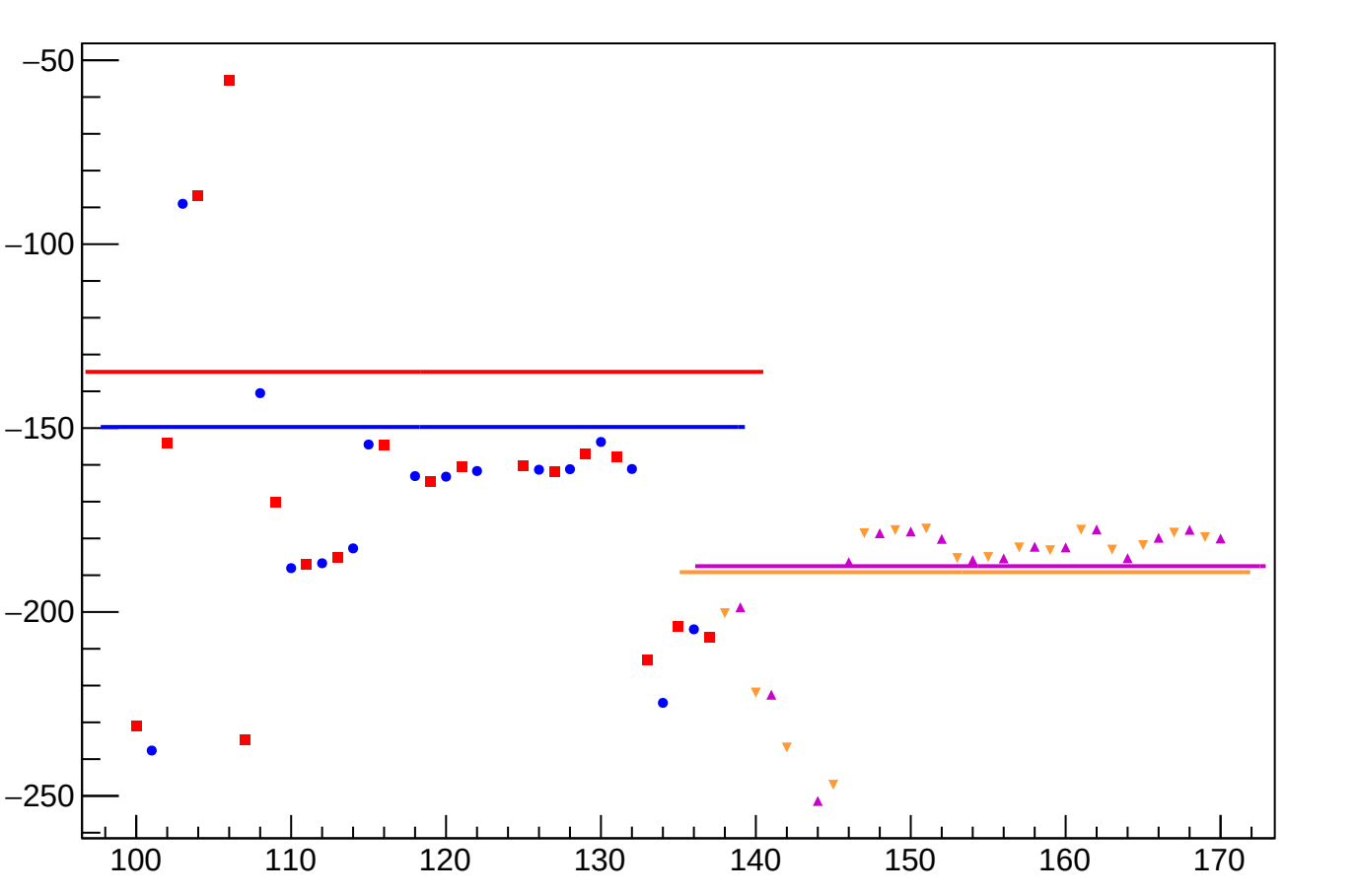
Left: 72.457+/-1.019 χ^2/NDF: 652.6/31

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 63.952+/-1.141 χ^2/NDF:641.7/31

Out: 61.213+/-1.135 χ^2/NDF:651.1/33

All: 62.576+/-0.805 χ^2/NDF: 1295.6/65



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -189.171+/-0.069 χ^2/NDF:76751.3/15

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -187.542+/-0.067 χ^2/NDF:63422.7/15

Left: -188.325+/-0.048 χ^2/NDF: 140462.1/31

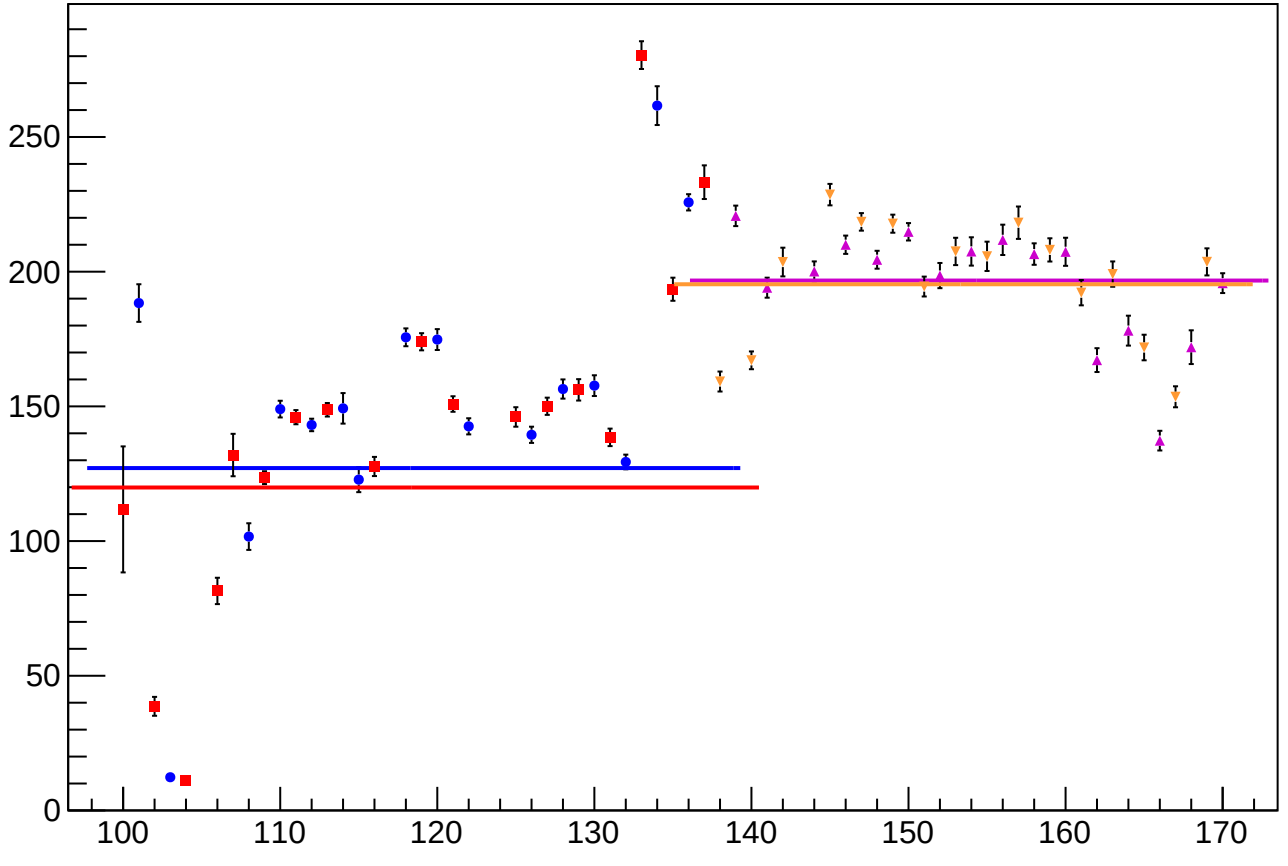
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -176.063+/-0.056 χ^2/NDF:418052.4/31

Out: -170.812+/-0.056 χ^2/NDF:598329.9/33

All: -173.475+/-0.040 χ^2/NDF: 1020789.9/65

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 195.333+/-1.046 χ^2/NDF:511.5/15

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 196.709+/-1.022 χ^2/NDF:451.2/15

Left: 196.038+/-0.731 χ^2/NDF: 963.6/31

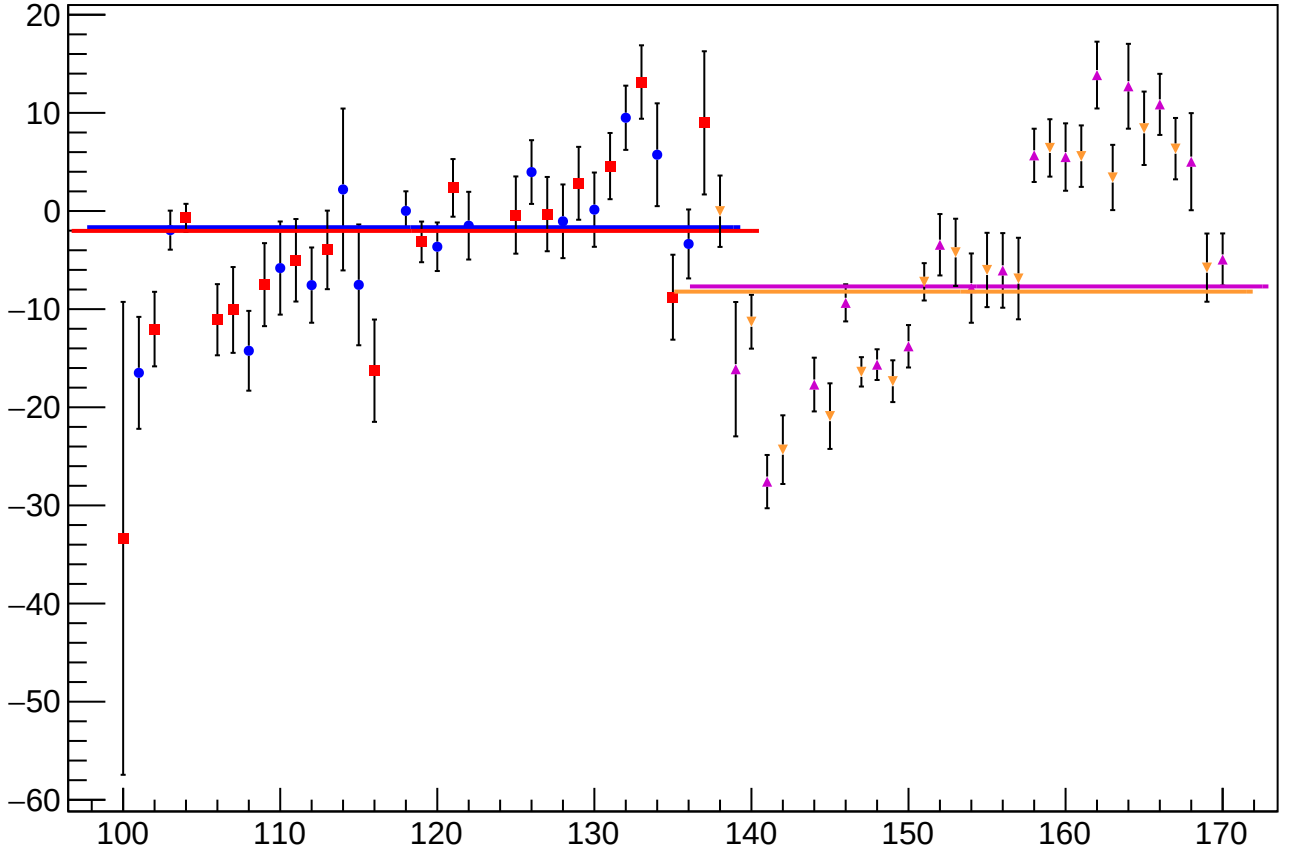
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.004+/-0.635 χ^2/NDF:9463.0/31

Out: 146.590+/-0.622 χ^2/NDF:10522.2/33

All: 150.221+/-0.444 χ^2/NDF: 20054.8/65

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -8.214+/-0.690 χ^2/NDF:190.9/15

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.686+/-0.692 χ^2/NDF:249.7/15

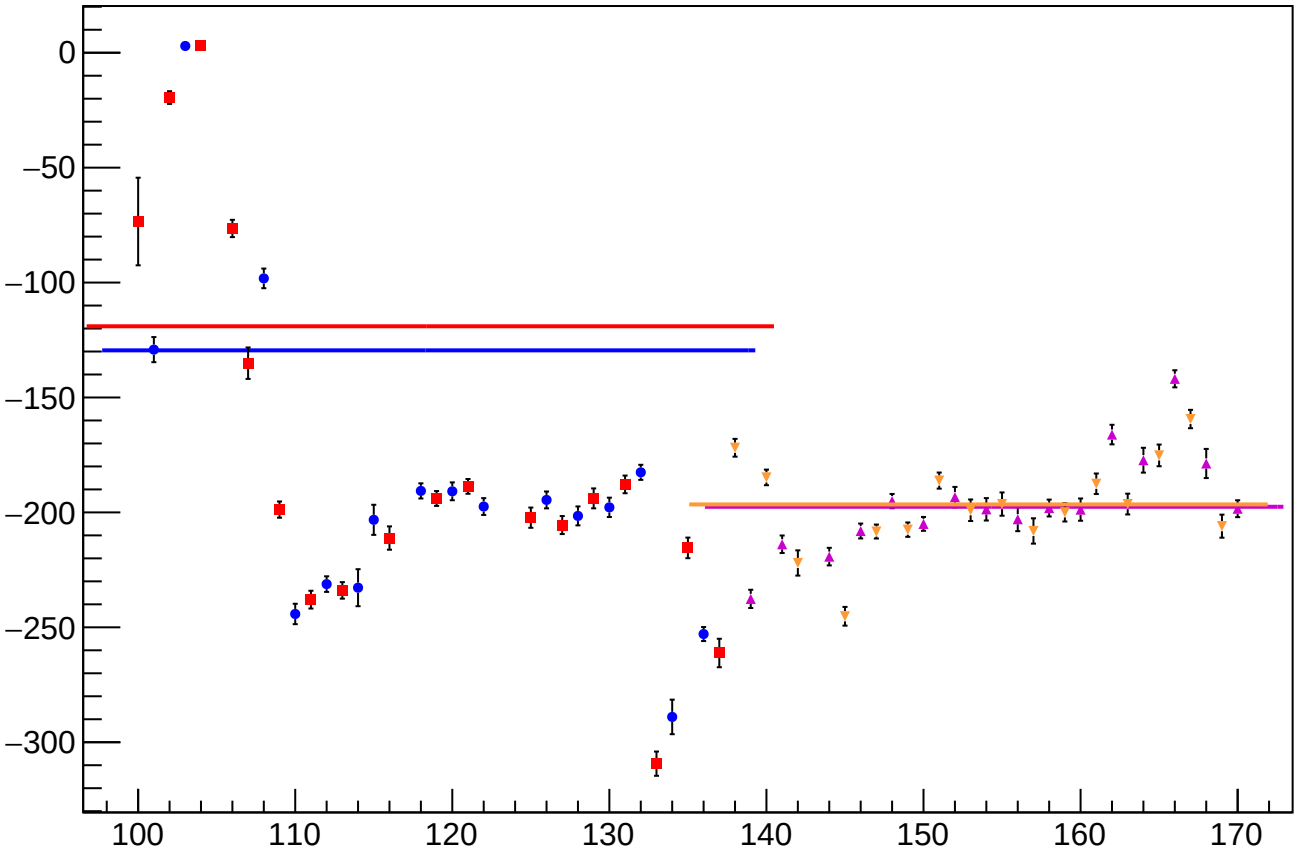
Left: -7.951+/-0.488 χ^2/NDF: 440.9/31

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.222+/-0.532 χ^2/NDF:319.8/31

Out: -5.460+/-0.514 χ^2/NDF:285.3/33

All: -5.345+/-0.370 χ^2/NDF: 605.2/65



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -196.530+/-1.018 χ^2/NDF:372.9/15

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.549+/-0.992 χ^2/NDF:472.8/15

Left: -197.052+/-0.711 χ^2/NDF: 846.2/31

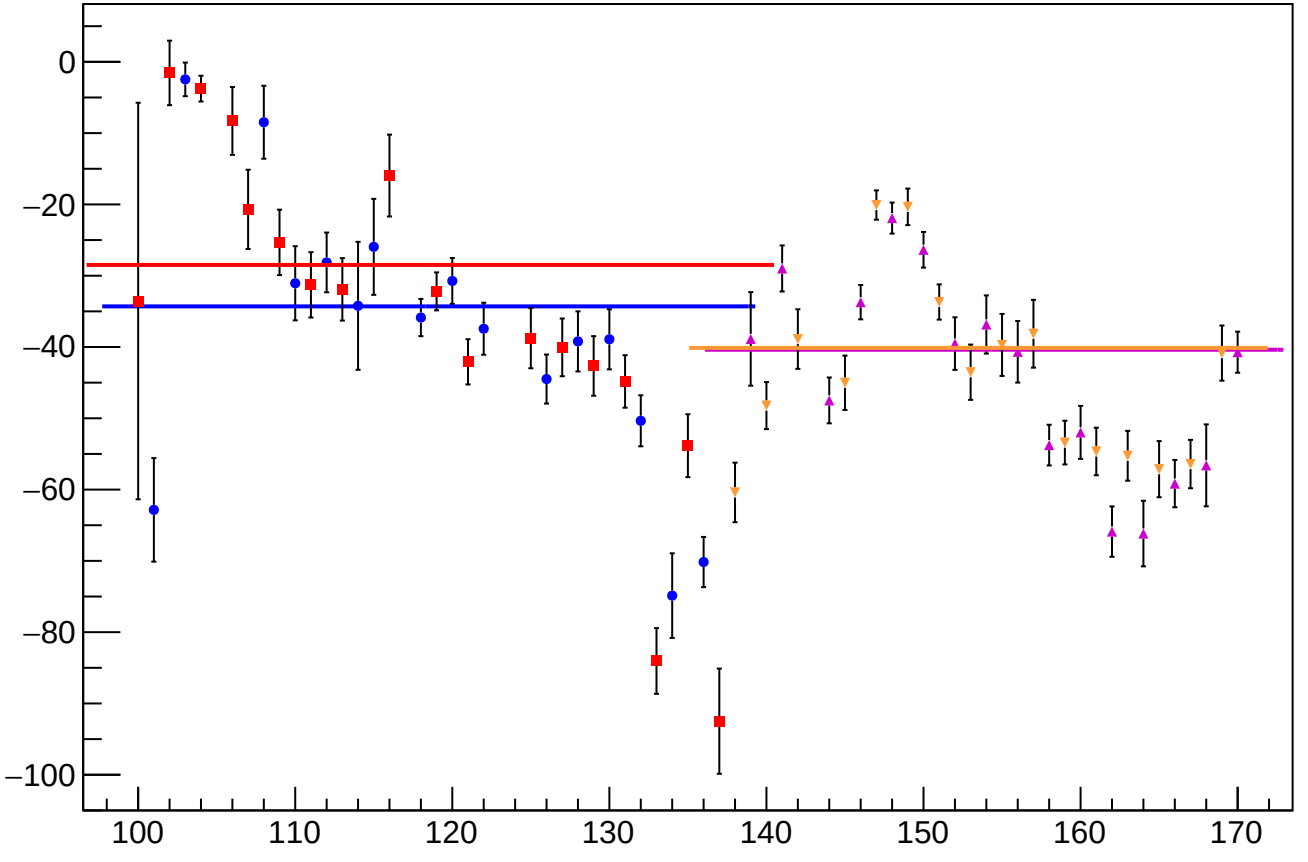
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -158.153+/-0.644 χ^2/NDF:17882.8/31

Out: -149.200+/-0.635 χ^2/NDF:20090.8/33

All: -153.614+/-0.452 χ^2/NDF: 38071.6/65

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -40.122+/-0.820 χ^2/NDF:292.1/15

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.384+/-0.814 χ^2/NDF:284.4/15

Left: -40.254+/-0.578 χ^2/NDF: 576.5/31

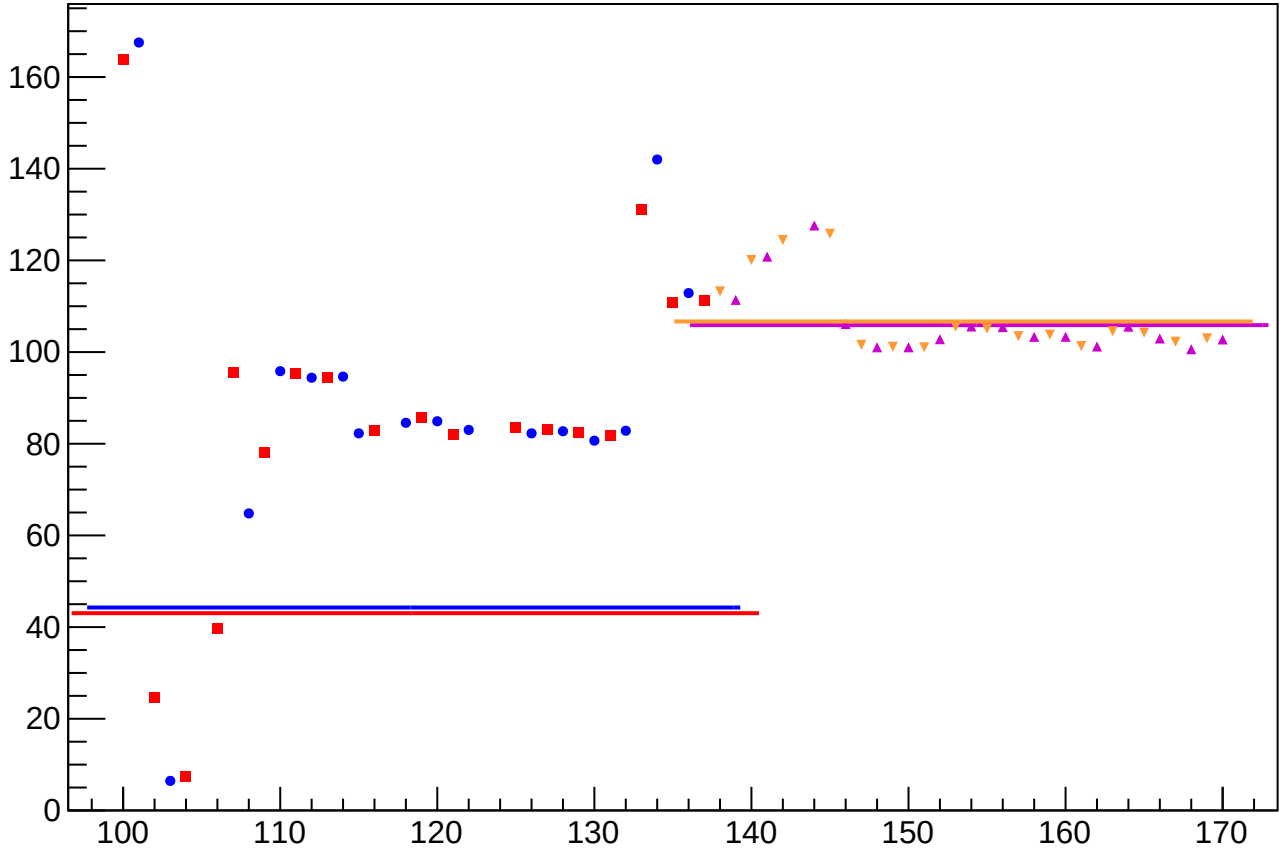
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.864+/-0.623 χ^2/NDF:718.8/31

Out: -34.891+/-0.608 χ^2/NDF:950.7/33

All: -36.342+/-0.435 χ^2/NDF: 1681.2/65

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 106.675+/-0.039 χ^2/NDF:38424.9/15

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 105.880+/-0.038 χ^2/NDF:33229.3/15

Left: 106.263+/-0.027 χ^2/NDF: 71868.2/31

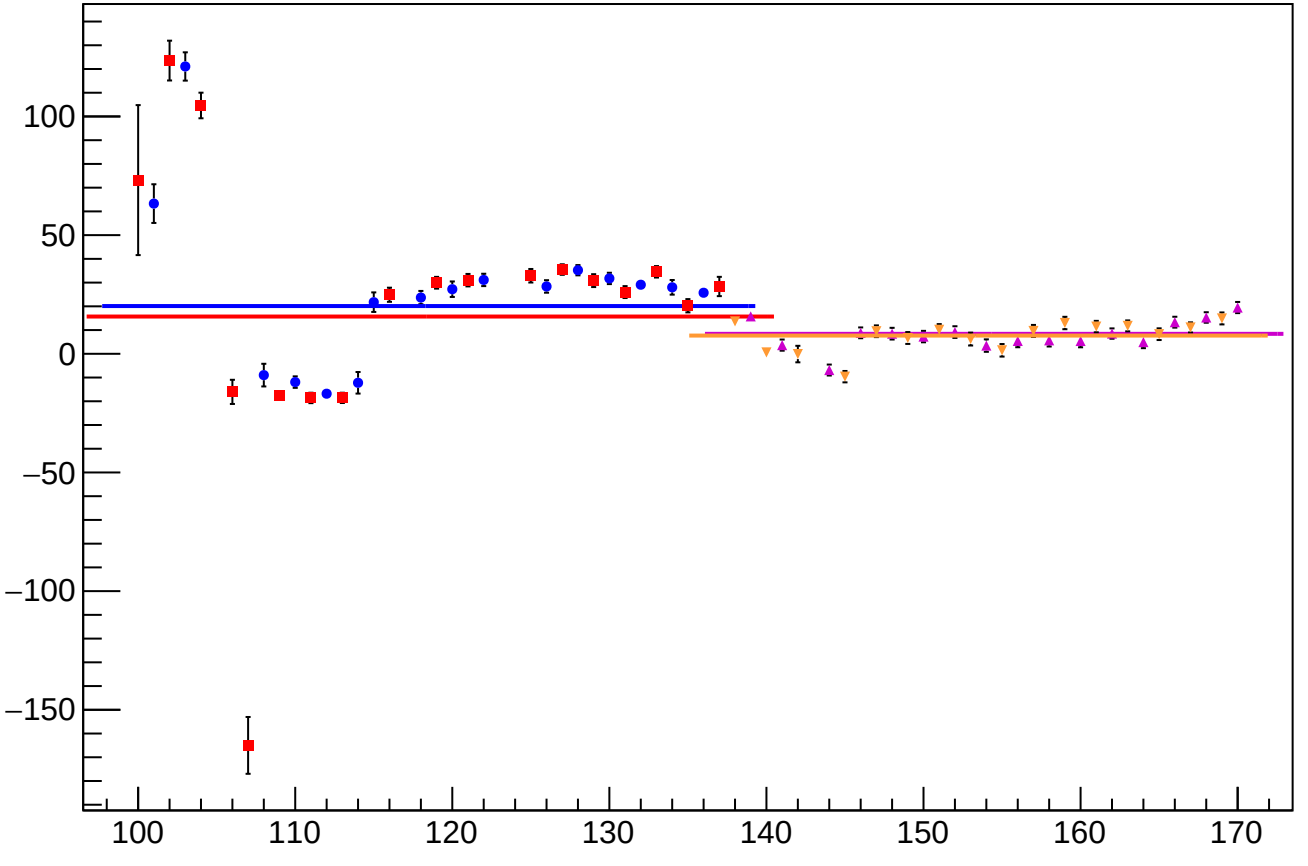
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 80.414+/-0.029 χ^2/NDF:2220656.1/31

Out: 79.265+/-0.030 χ^2/NDF:1980349.2/33

All: 79.853+/-0.021 χ^2/NDF: 4201778.1/65

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.679+/-0.609 χ^2/NDF:105.7/15

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.408+/-0.595 χ^2/NDF:107.1/15

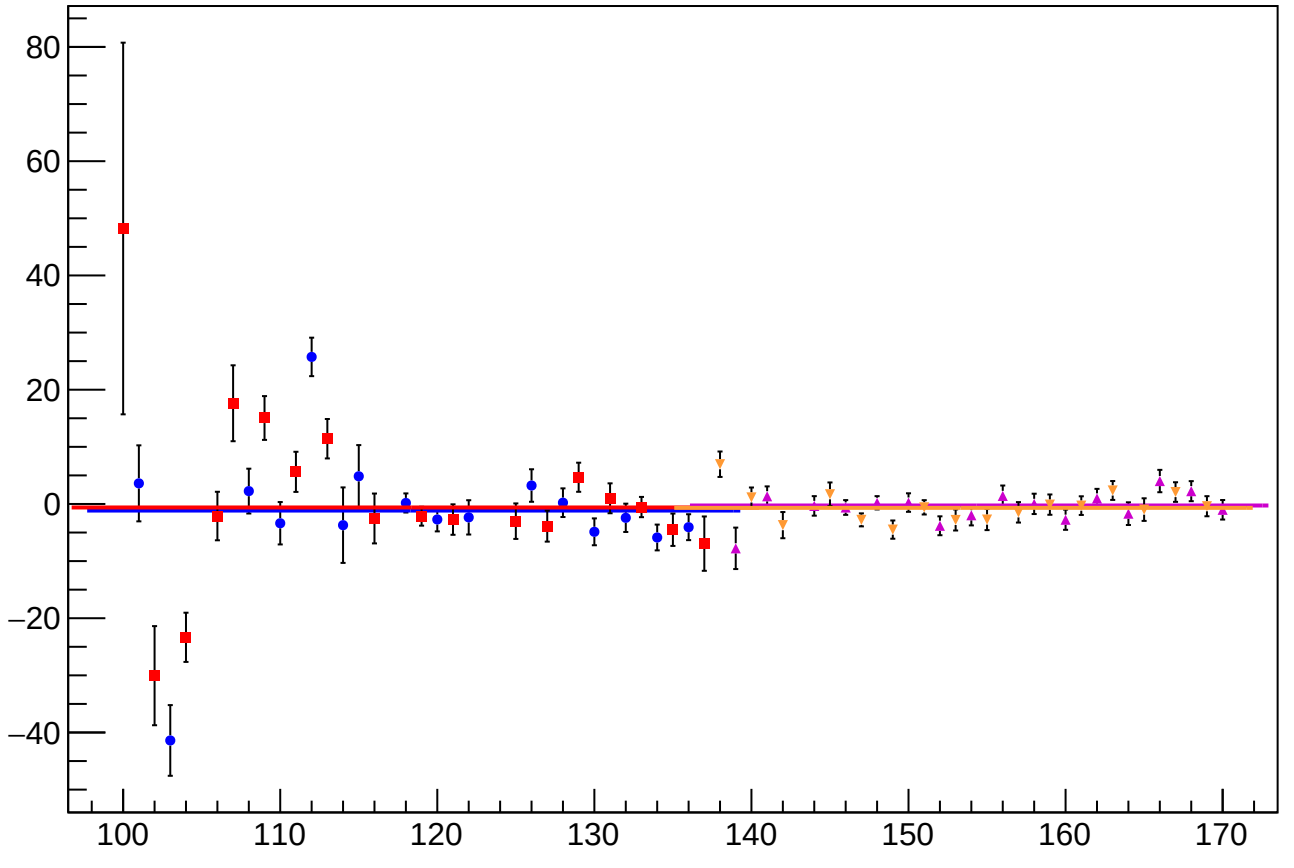
Left: 8.052+/-0.426 χ^2/NDF: 213.5/31

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.425+/-0.450 χ^2/NDF:1321.2/31

Out: 11.238+/-0.454 χ^2/NDF:1956.4/33

All: 12.343+/-0.320 χ^2/NDF: 3289.4/65



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.681+/-0.421 χ^2/NDF:34.0/15

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.268+/-0.422 χ^2/NDF:21.9/15

Left: -0.475+/-0.298 χ^2/NDF: 56.4/31

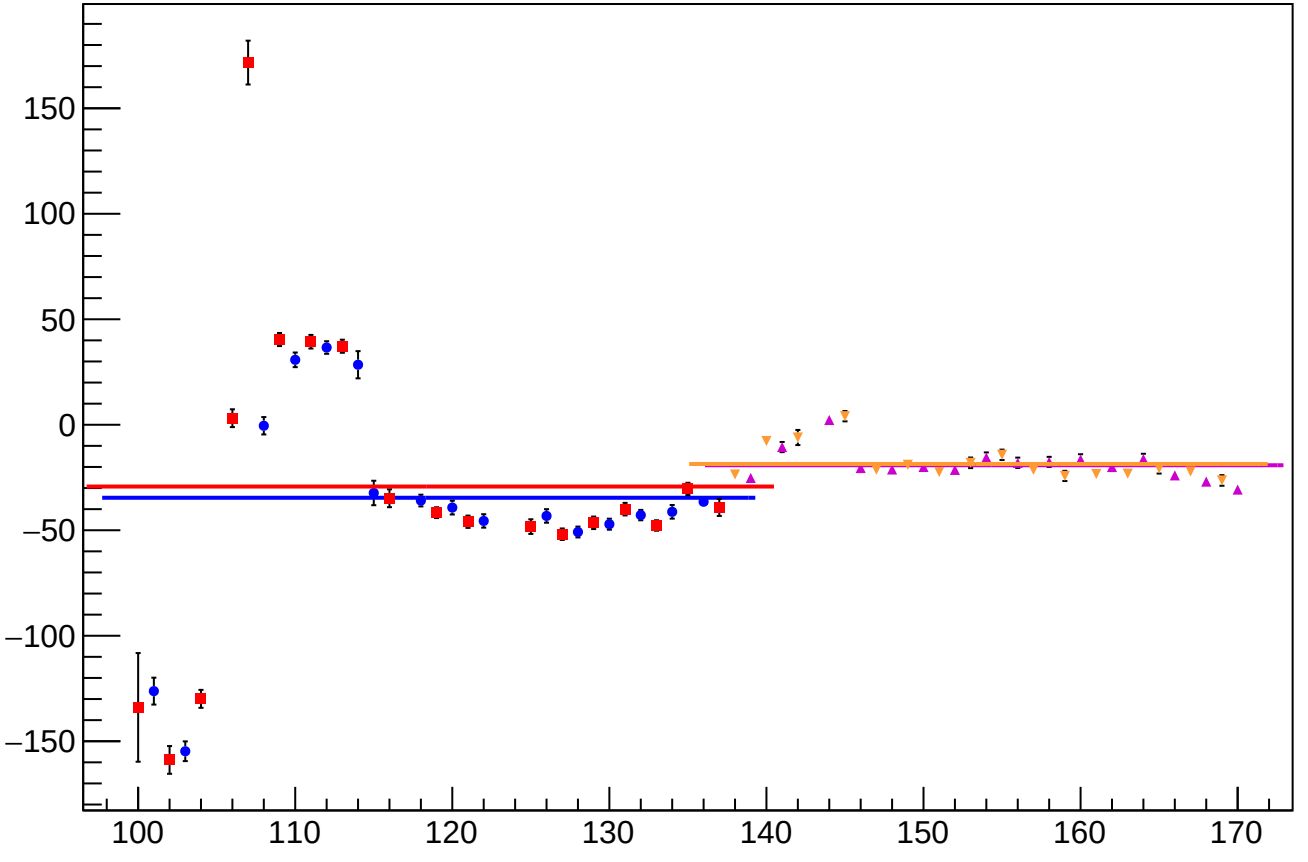
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.504+/-0.361 χ^2/NDF:145.0/31

Out: -0.664+/-0.363 χ^2/NDF:127.4/33

All: -0.583+/-0.256 χ^2/NDF: 272.4/65

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -18.587+/-0.594 χ^2/NDF:165.3/15

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.191+/-0.579 χ^2/NDF:150.6/15

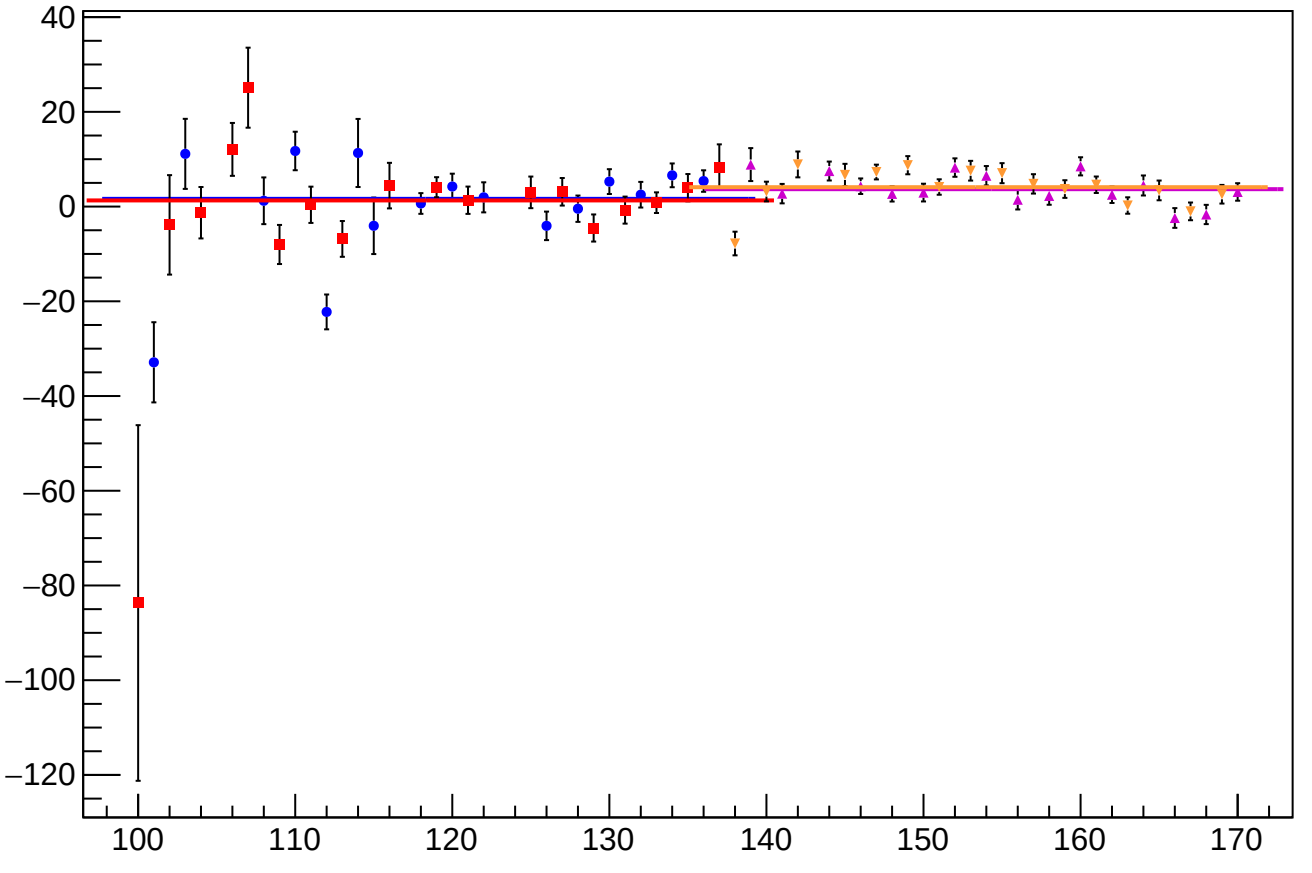
Left: -18.896+/-0.415 χ^2/NDF: 316.4/31

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.615+/-0.466 χ^2/NDF:2457.9/31

Out: -22.384+/-0.477 χ^2/NDF:3361.5/33

All: -23.524+/-0.333 χ^2/NDF: 5830.6/65



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.088+/-0.489 χ^2/NDF:55.4/15

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.675+/-0.487 χ^2/NDF:38.4/15

Left: 3.881+/-0.345 χ^2/NDF: 94.1/31

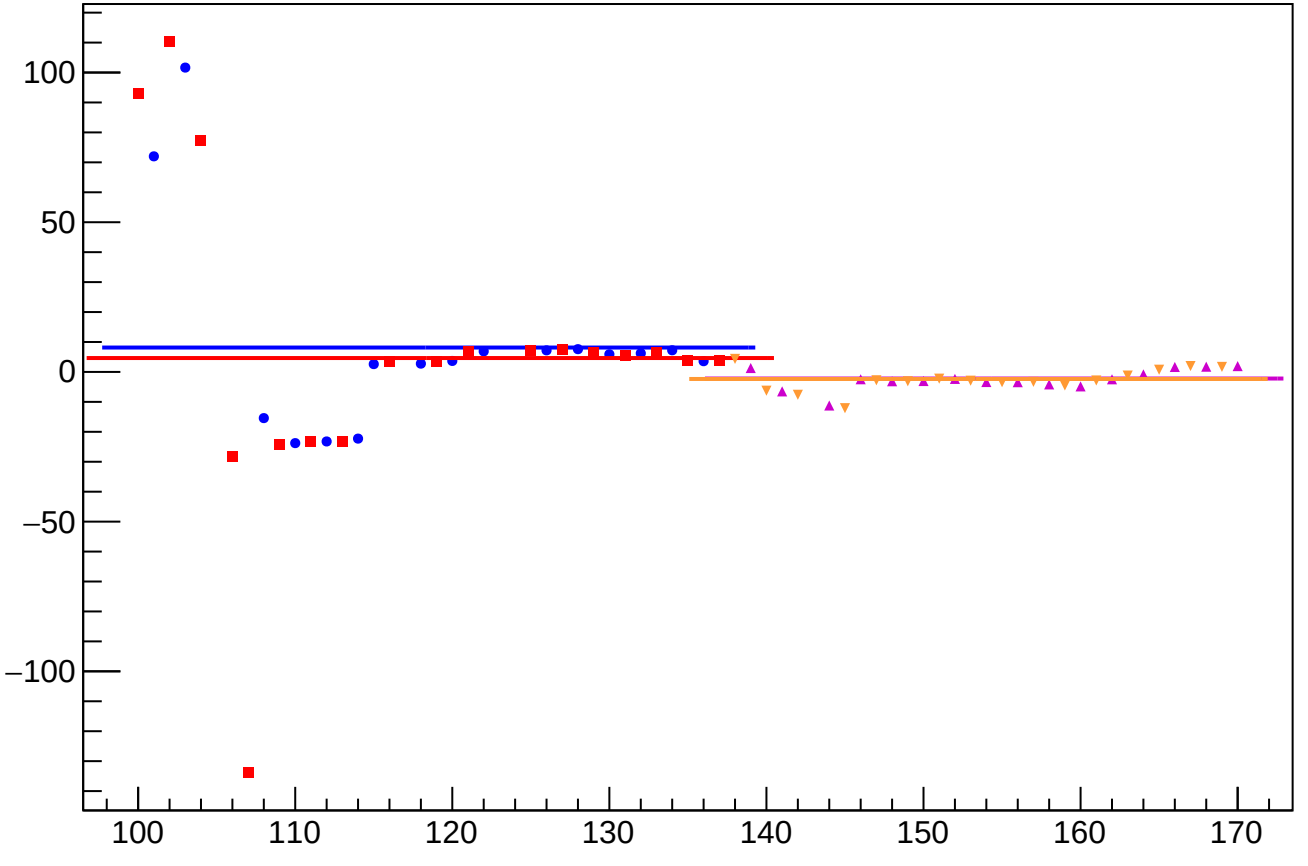
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.119+/-0.415 χ^2/NDF:126.5/31

Out: 3.353+/-0.419 χ^2/NDF:101.5/33

All: 3.235+/-0.295 χ^2/NDF: 228.1/65

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -2.351+/-0.022 χ^2/NDF:26922.1/15

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.207+/-0.022 χ^2/NDF:20604.3/15

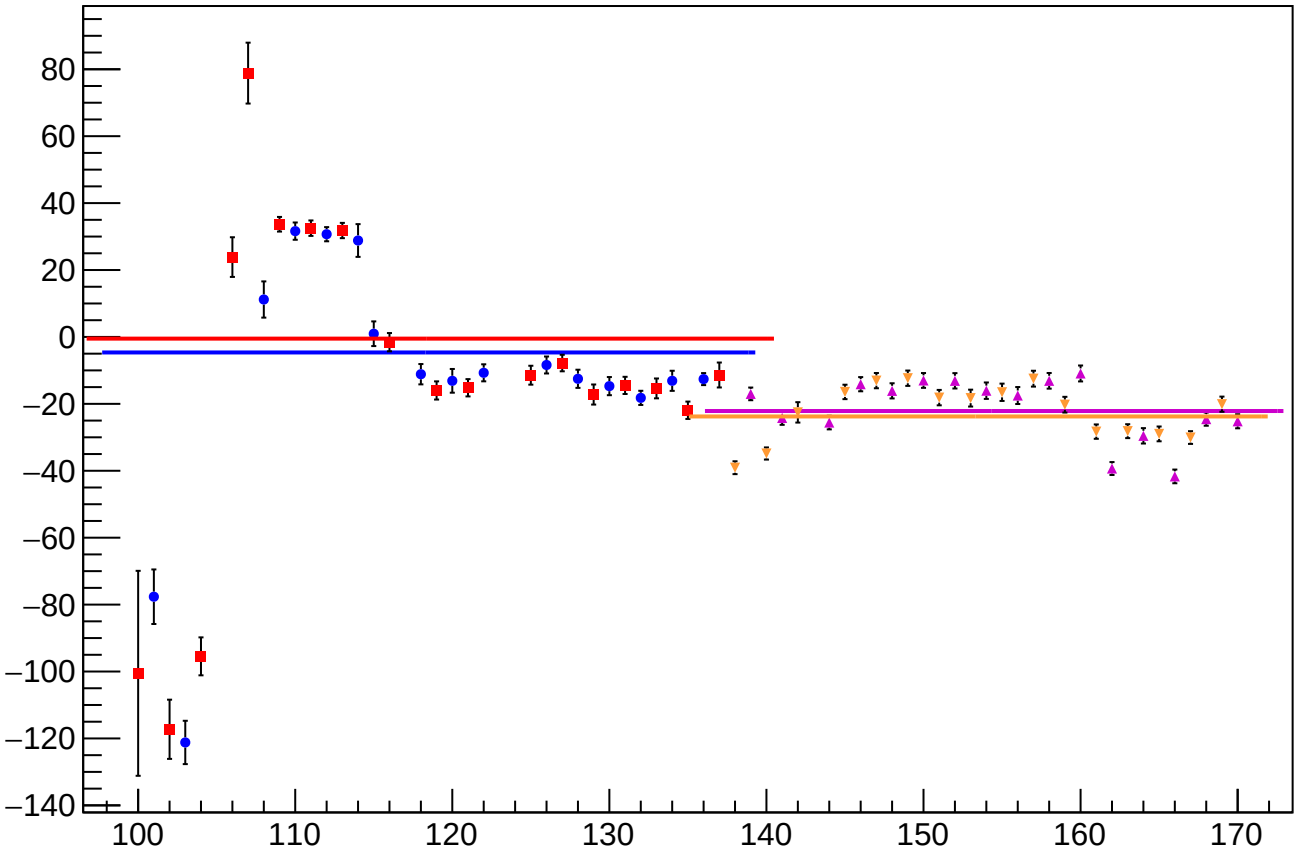
Left: -2.277+/-0.015 χ^2/NDF: 47548.2/31

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.496+/-0.020 χ^2/NDF:372189.6/31

Out: -1.266+/-0.020 χ^2/NDF:489174.9/33

All: -0.868+/-0.014 χ^2/NDF: 862105.8/65



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.767+/-0.554 χ^2/NDF:230.6/15

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -22.140+/-0.540 χ^2/NDF:296.1/15

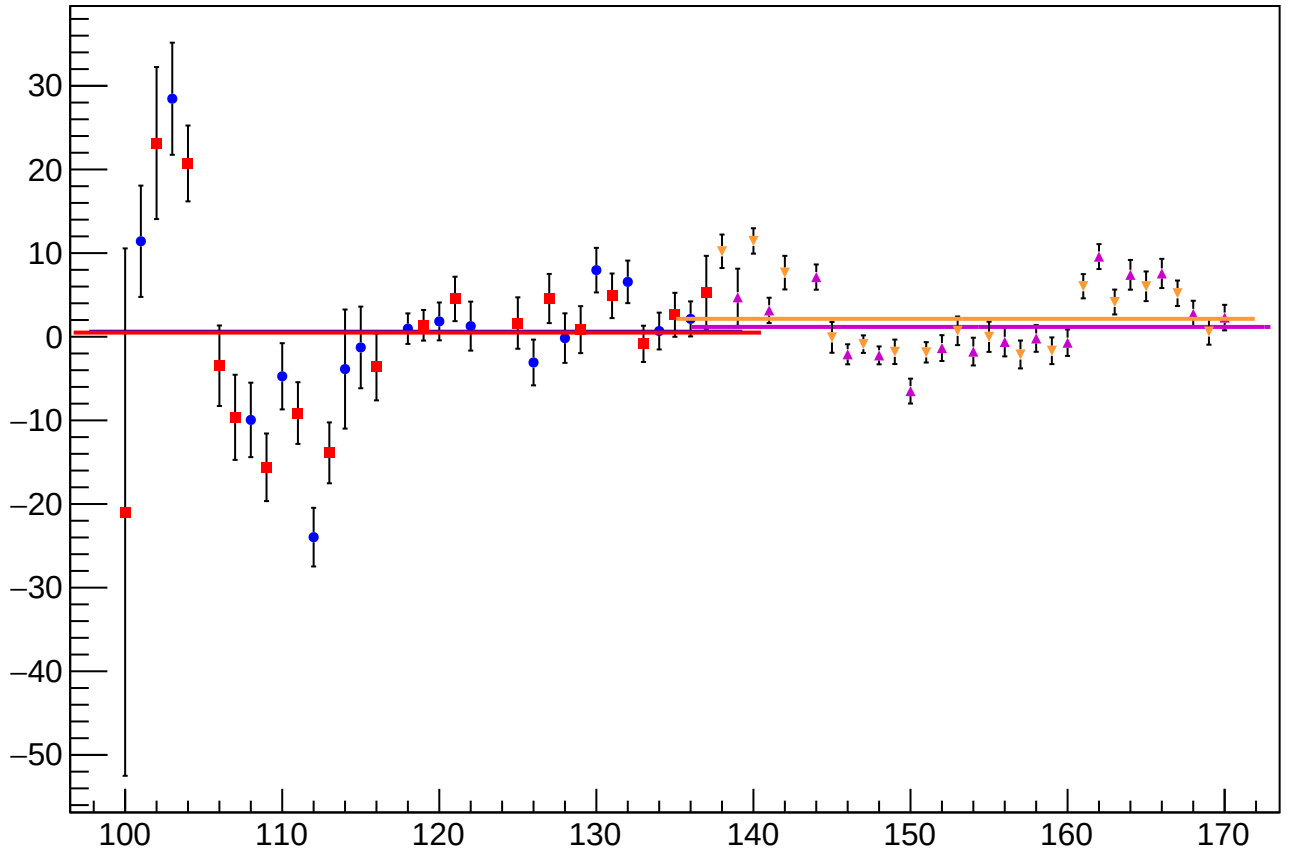
Left: -22.933+/-0.387 χ^2/NDF: 531.1/31

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -15.738+/-0.430 χ^2/NDF:1725.9/31

Out: -14.973+/-0.437 χ^2/NDF:2354.5/33

All: -15.361+/-0.307 χ^2/NDF: 4081.9/65



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.142+/-0.385 χ^2/NDF:122.5/15

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.175+/-0.383 χ^2/NDF:130.7/15

Left: 1.656+/-0.271 χ^2/NDF: 256.4/31

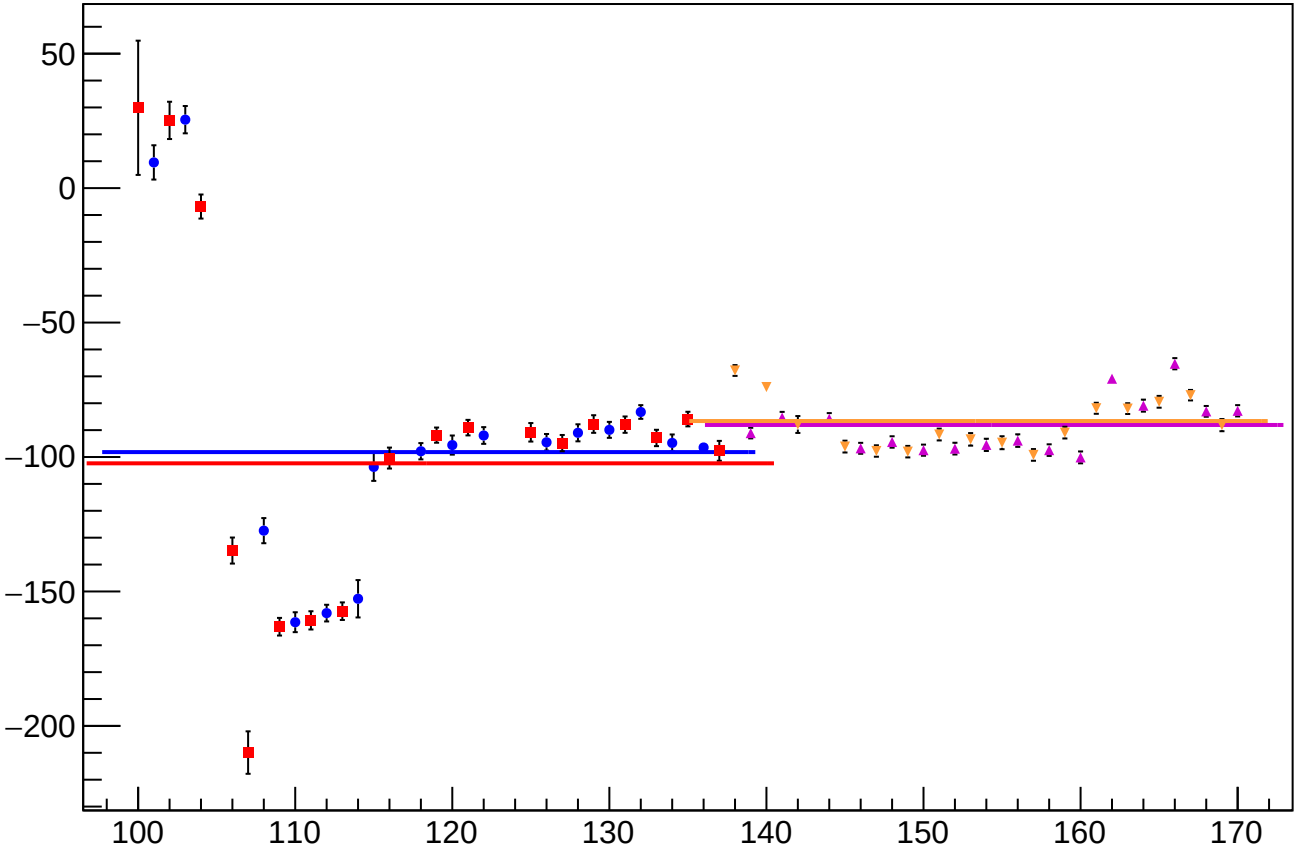
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.051+/-0.339 χ^2/NDF:224.1/31

Out: 1.803+/-0.343 χ^2/NDF:206.4/33

All: 1.422+/-0.241 χ^2/NDF: 432.9/65

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.621+/-0.541 χ^2/NDF:316.3/15

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.085+/-0.527 χ^2/NDF:362.5/15

Left: -87.372+/-0.377 χ^2/NDF: 682.5/31

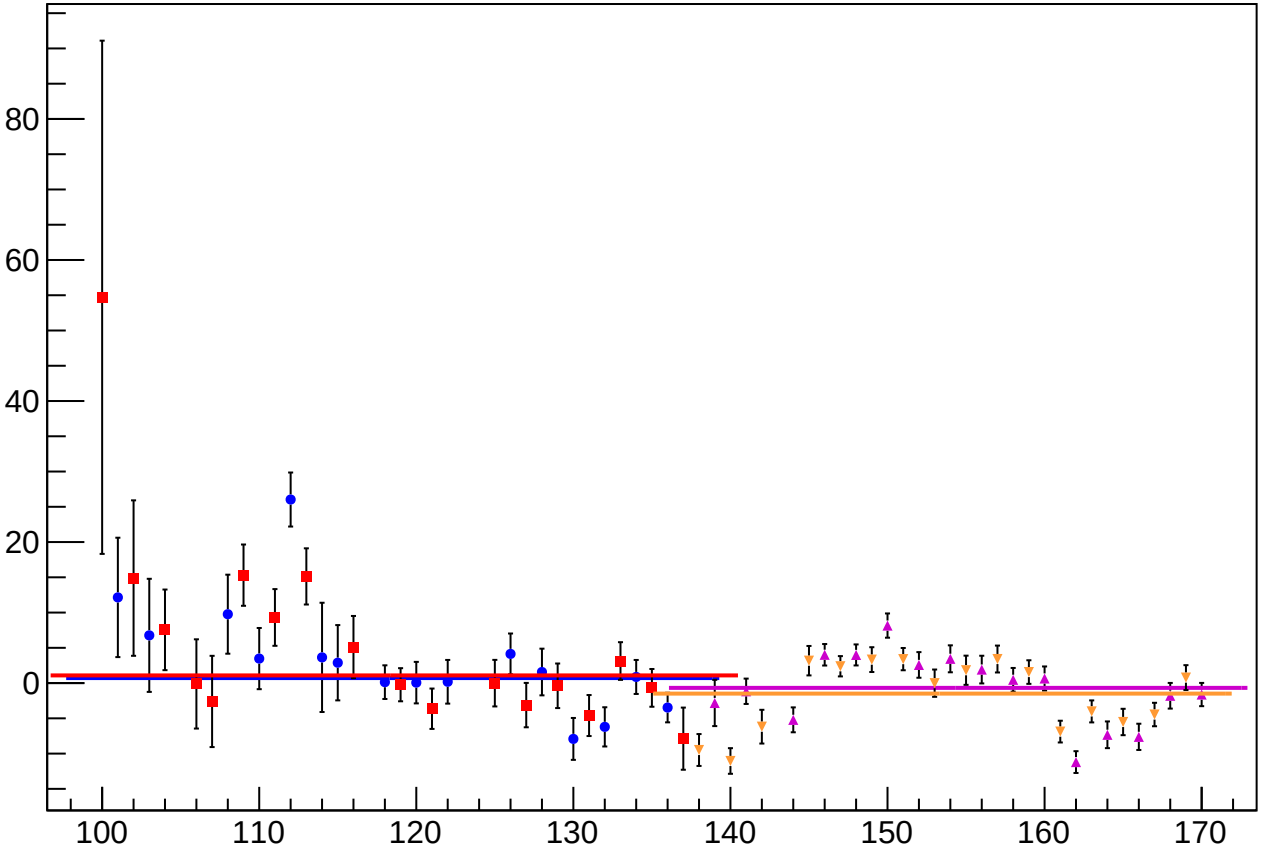
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -91.068+/-0.442 χ^2/NDF:2170.8/31

Out: -91.255+/-0.454 χ^2/NDF:2682.9/33

All: -91.159+/-0.317 χ^2/NDF: 4853.8/65

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.492+/-0.445 χ^2/NDF:110.8/15

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.679+/-0.441 χ^2/NDF:136.8/15

Left: -1.082+/-0.313 χ^2/NDF: 249.3/31

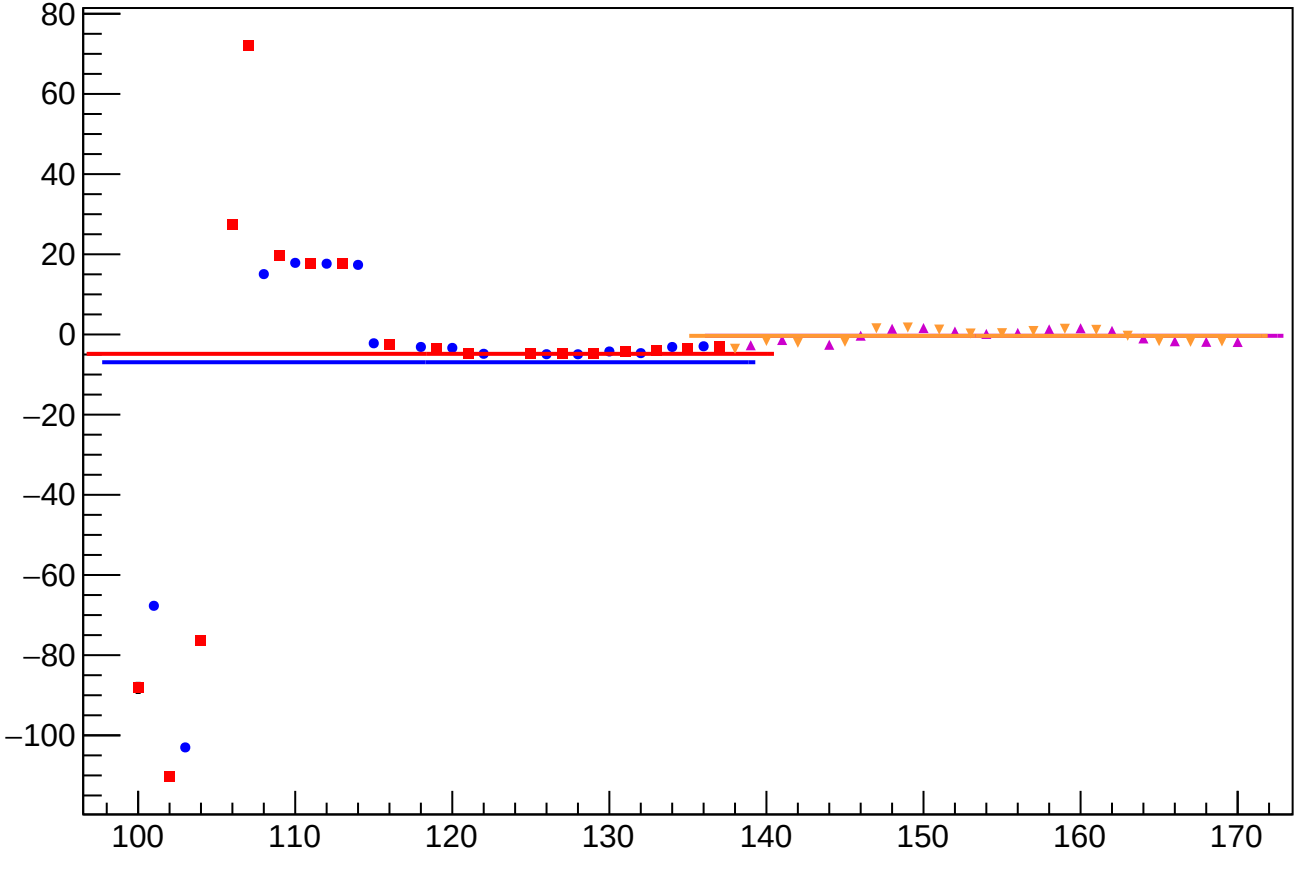
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -0.368+/-0.389 χ^2/NDF:208.7/31

Out: -0.943+/-0.395 χ^2/NDF:165.6/33

All: -0.651+/-0.277 χ^2/NDF: 375.3/65

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: -0.344+/-0.020 χ^2/NDF:6022.6/15

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.331+/-0.020 χ^2/NDF:5715.0/15

Left: -0.337+/-0.014 χ^2/NDF: 11737.8/31

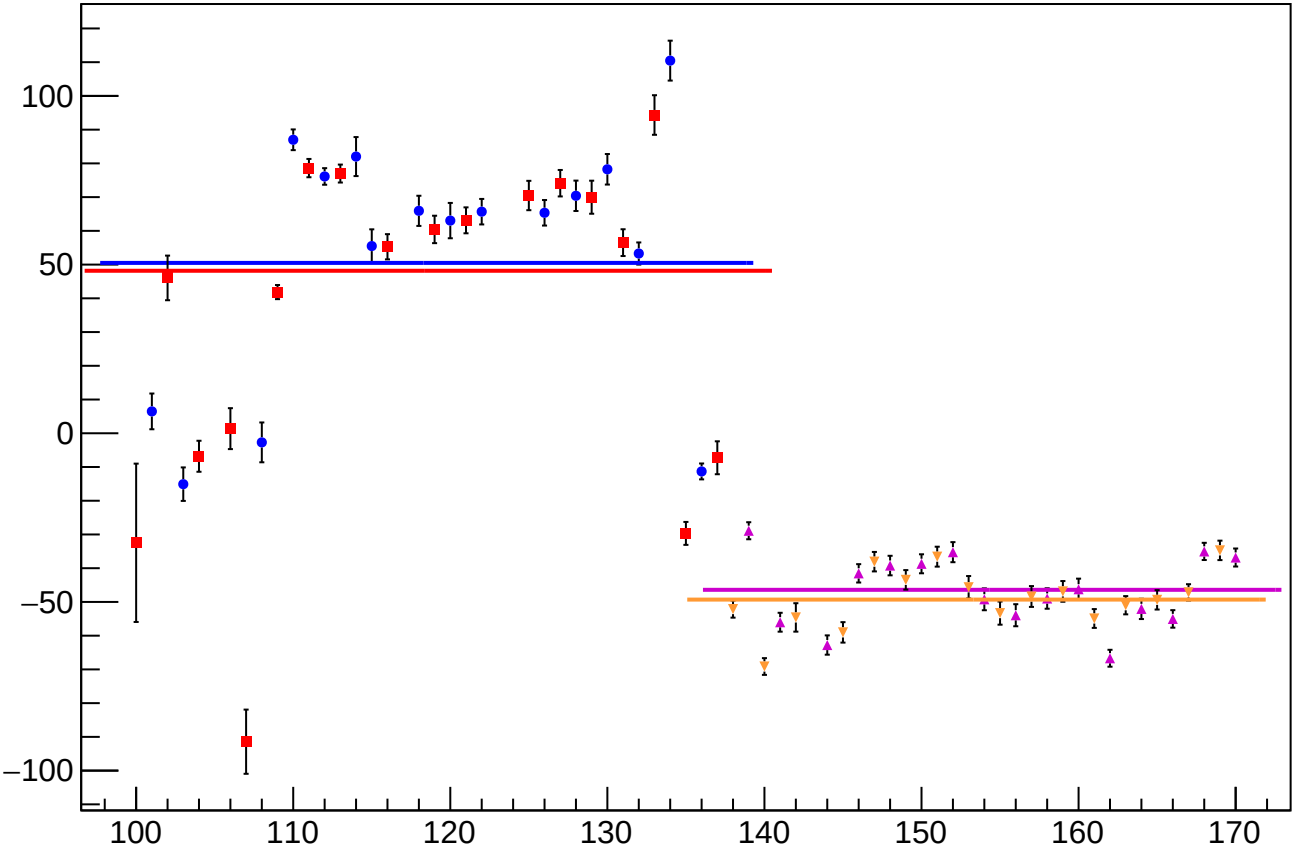
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.256+/-0.018 χ^2/NDF:286783.2/31

Out: -0.918+/-0.019 χ^2/NDF:351688.2/33

All: -1.094+/-0.013 χ^2/NDF: 638637.6/65

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: -49.304+/-0.725 χ^2/NDF:149.0/15

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.408+/-0.705 χ^2/NDF:243.4/15

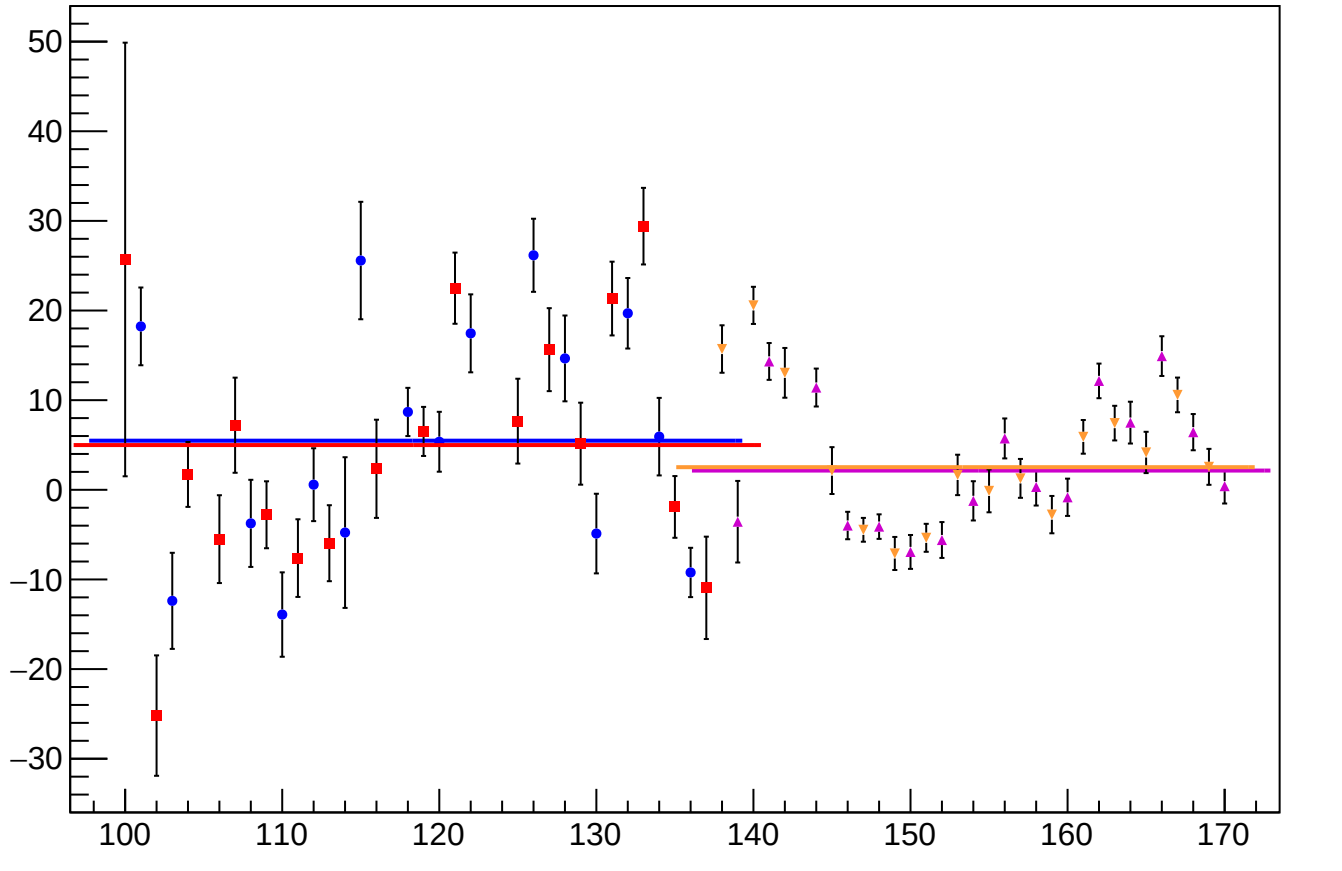
Left: -47.816+/-0.505 χ^2/NDF: 400.5/31

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -12.689+/-0.569 χ^2/NDF:8318.7/31

Out: -11.675+/-0.568 χ^2/NDF:8647.1/33

All: -12.181+/-0.402 χ^2/NDF: 16967.3/65



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.524+/-0.500 χ^2/NDF:231.2/15

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.147+/-0.498 χ^2/NDF:209.2/15

Left: 2.335+/-0.353 χ^2/NDF: 440.7/31

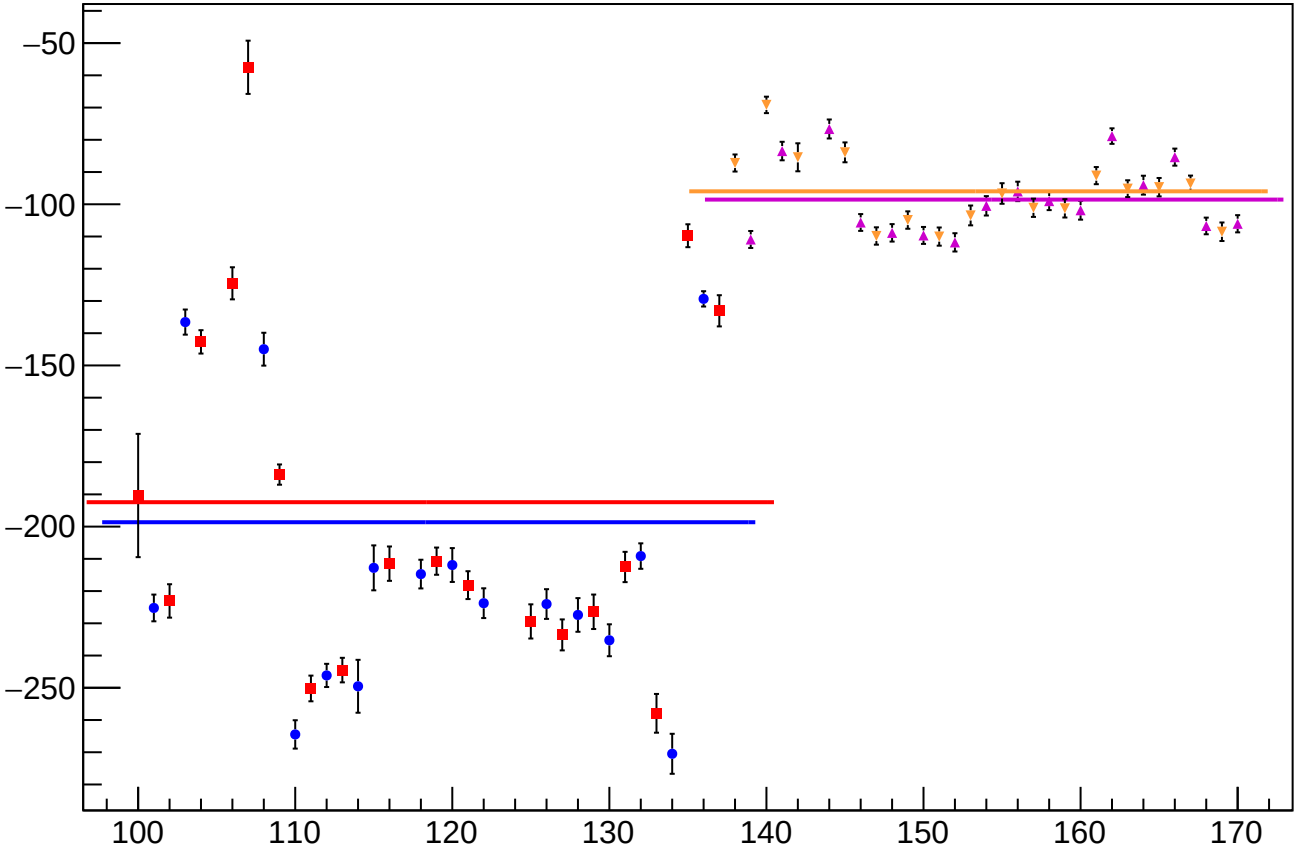
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.787+/-0.447 χ^2/NDF:356.0/31

Out: 3.001+/-0.449 χ^2/NDF:367.7/33

All: 2.893+/-0.317 χ^2/NDF: 723.8/65

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.984+/-0.707 χ^2/NDF:241.2/15

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.548+/-0.687 χ^2/NDF:280.9/15

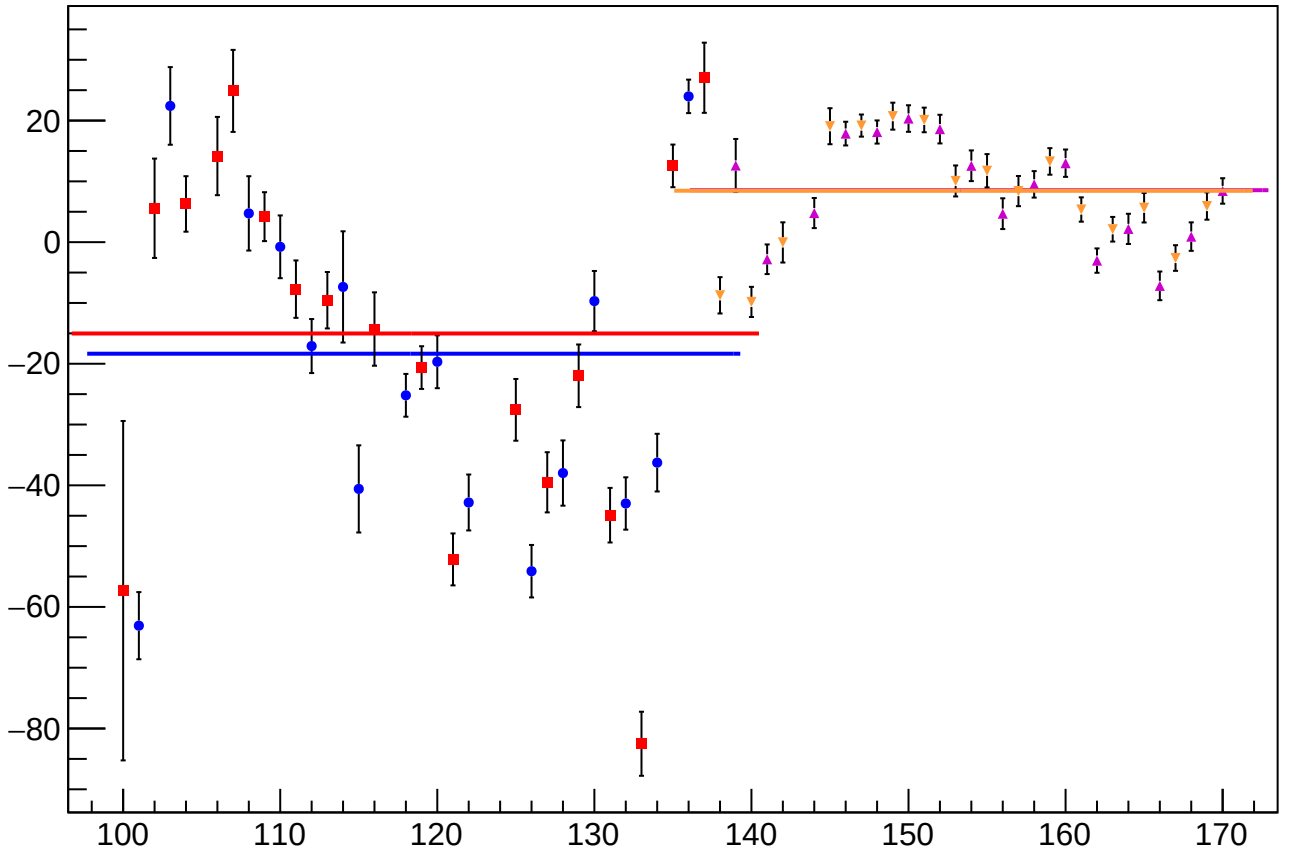
Left: -97.303+/-0.492 χ^2/NDF: 528.9/31

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -127.239+/-0.580 χ^2/NDF:8372.2/31

Out: -124.902+/-0.591 χ^2/NDF:7966.1/33

All: -126.093+/-0.414 χ^2/NDF: 16346.2/65



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 8.464+/-0.580 χ^2/NDF:254.3/15

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.549+/-0.574 χ^2/NDF:224.2/15

Left: 8.507+/-0.408 χ^2/NDF: 478.6/31

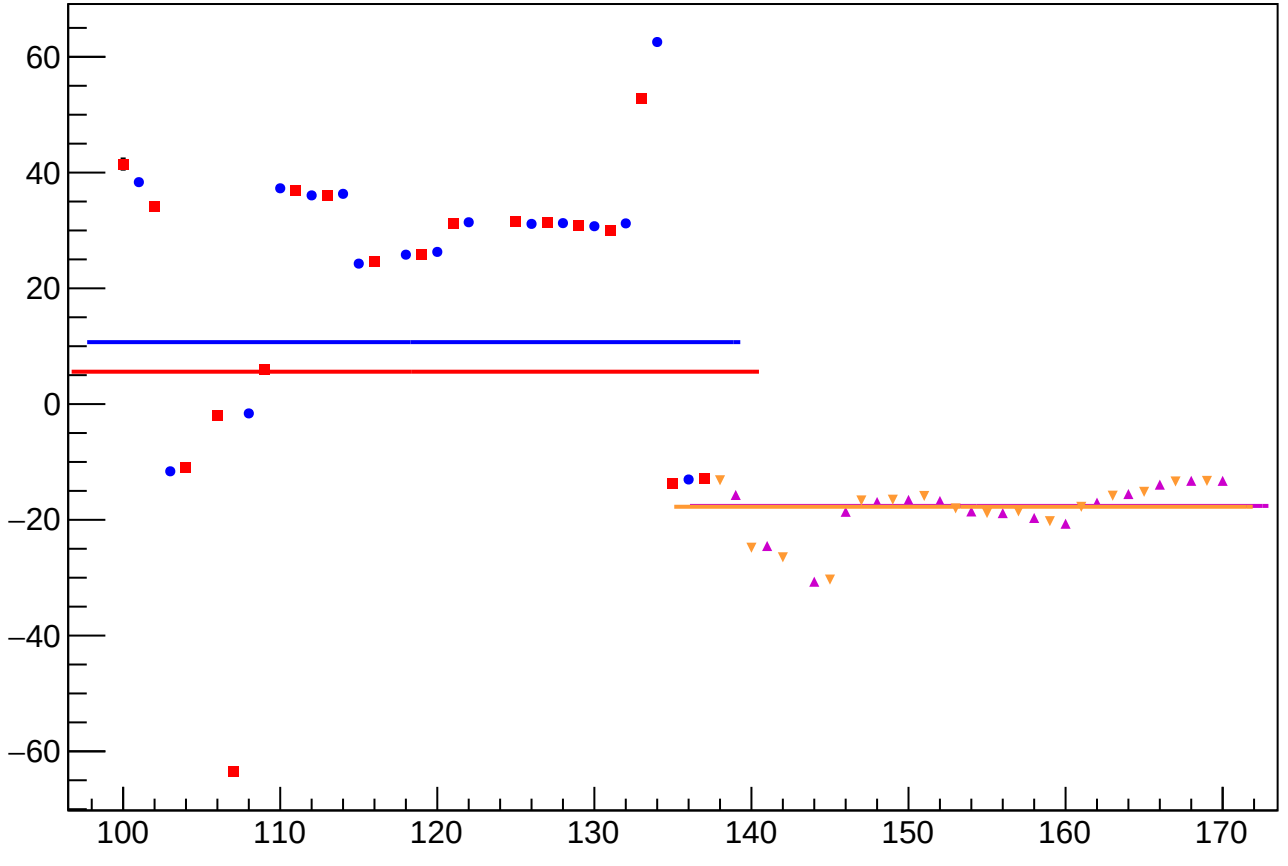
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.252+/-0.514 χ^2/NDF:1200.4/31

Out: 3.781+/-0.519 χ^2/NDF:1127.9/33

All: 3.514+/-0.365 χ^2/NDF: 2328.8/65

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: -17.741+/-0.026 χ^2/NDF:25585.2/15

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -17.596+/-0.026 χ^2/NDF:21838.6/15

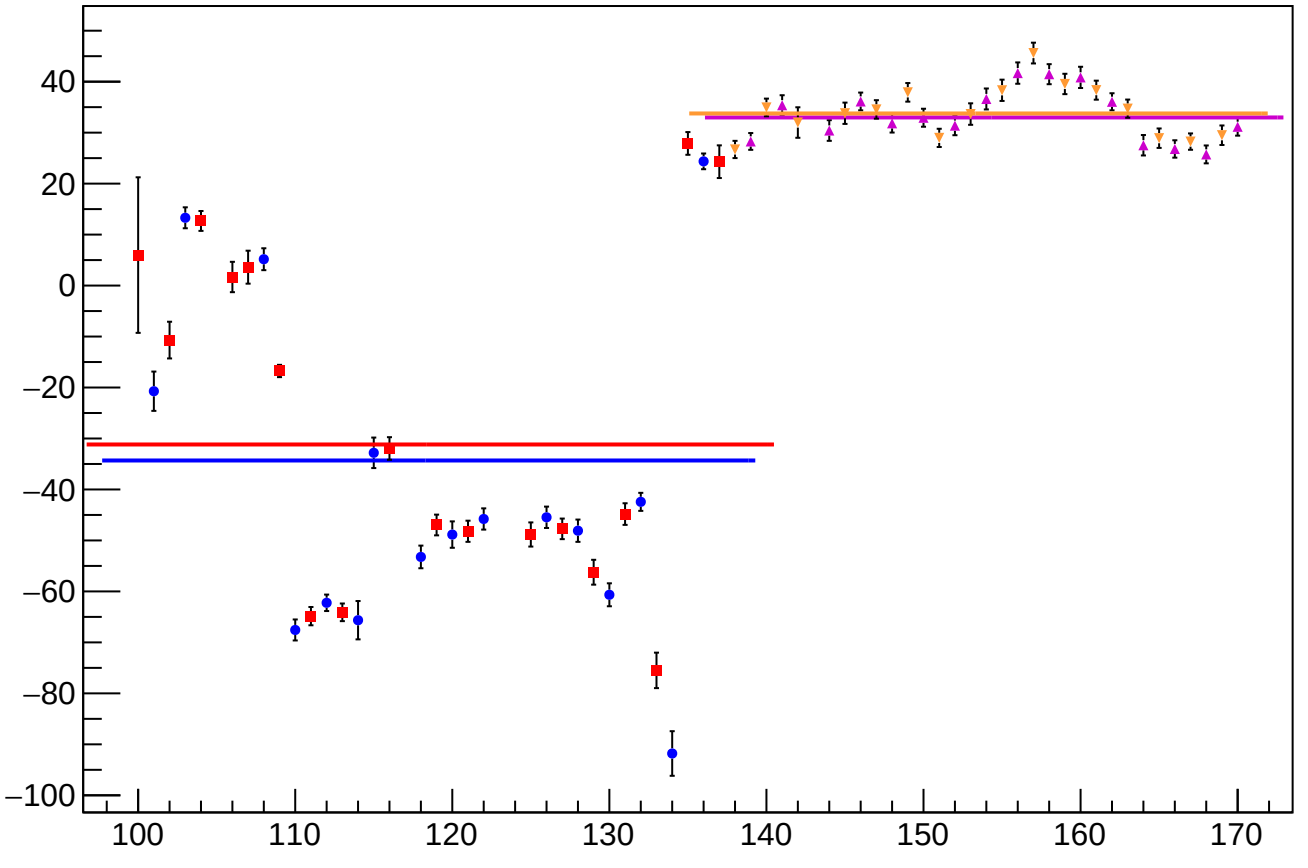
Left: -17.666+/-0.018 χ^2/NDF: 47439.5/31

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.595+/-0.024 χ^2/NDF:360496.2/31

Out: -14.311+/-0.024 χ^2/NDF:295335.0/33

All: -13.942+/-0.017 χ^2/NDF: 656274.4/65



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 33.763+/-0.475 χ^2/NDF:107.3/15

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.979+/-0.463 χ^2/NDF:111.0/15

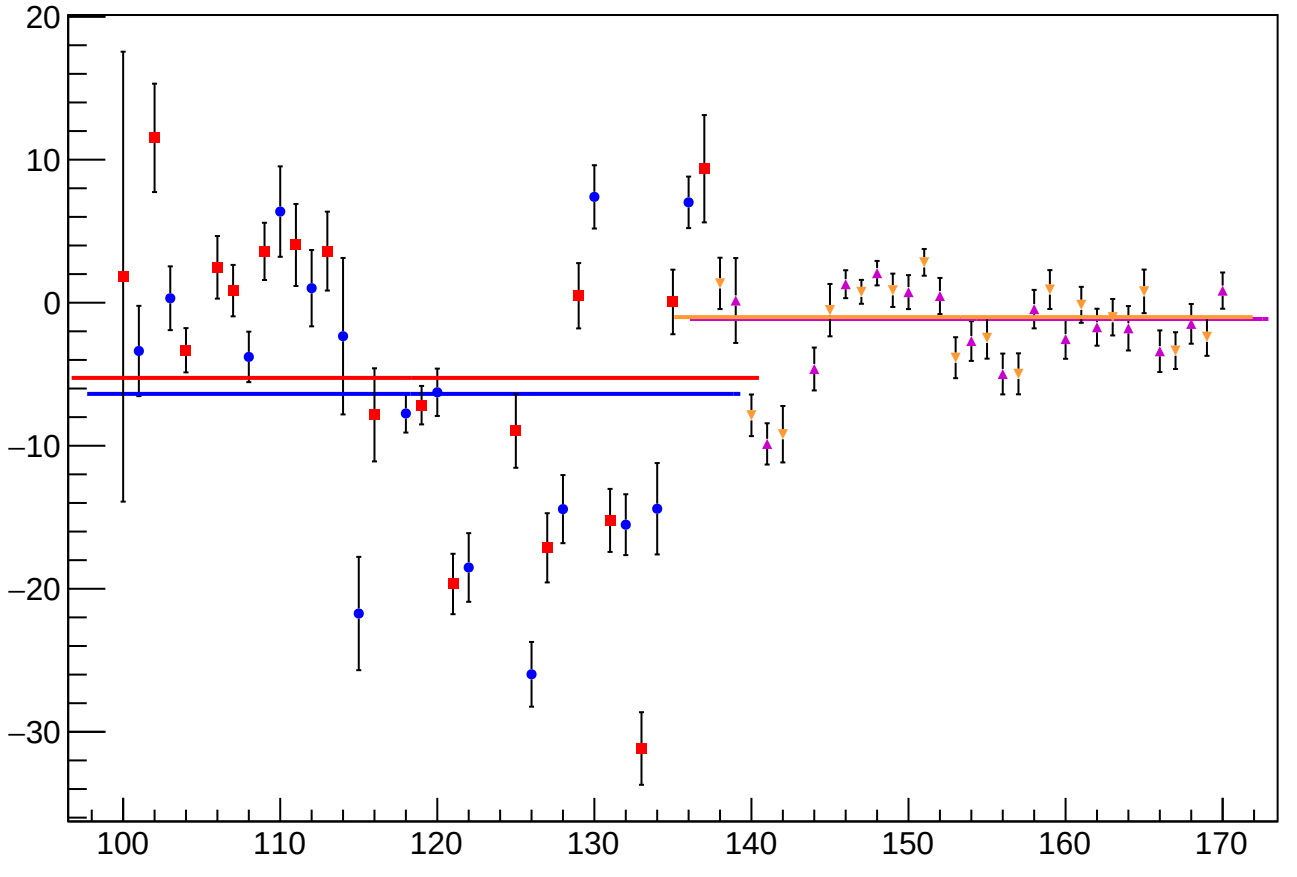
Left: 33.360+/-0.332 χ^2/NDF: 219.7/31

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 4.952+/-0.354 χ^2/NDF:12417.7/31

Out: 3.930+/-0.350 χ^2/NDF:11878.3/33

All: 4.435+/-0.249 χ^2/NDF: 24300.2/65



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.007+/-0.325 χ^2/NDF:86.0/15

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.138+/-0.324 χ^2/NDF:81.7/15

Left: -1.073+/-0.229 χ^2/NDF: 167.8/31

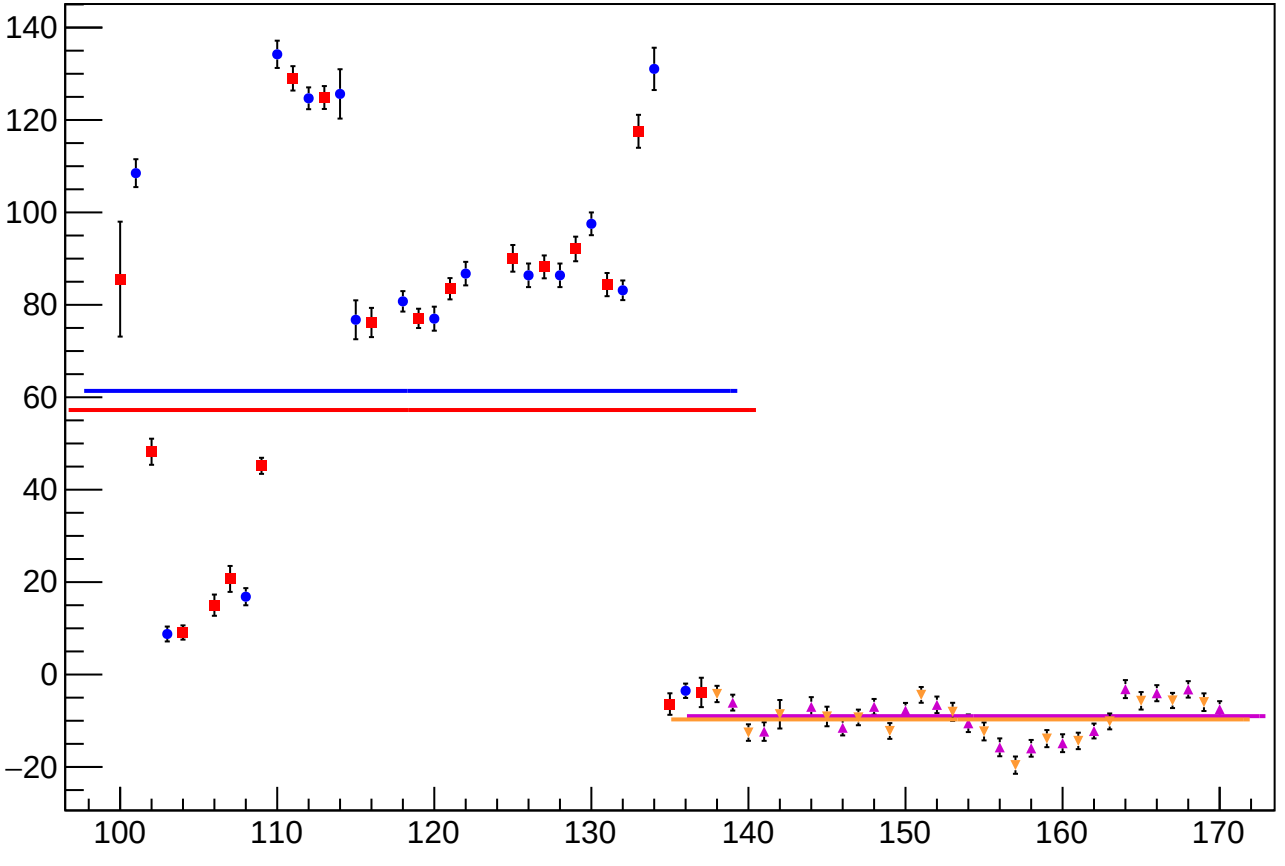
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.477+/-0.280 χ^2/NDF:431.9/31

Out: -2.158+/-0.277 χ^2/NDF:445.4/33

All: -2.316+/-0.197 χ^2/NDF: 877.9/65

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -9.711+/-0.462 χ^2/NDF:81.3/15

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.002+/-0.450 χ^2/NDF:81.9/15

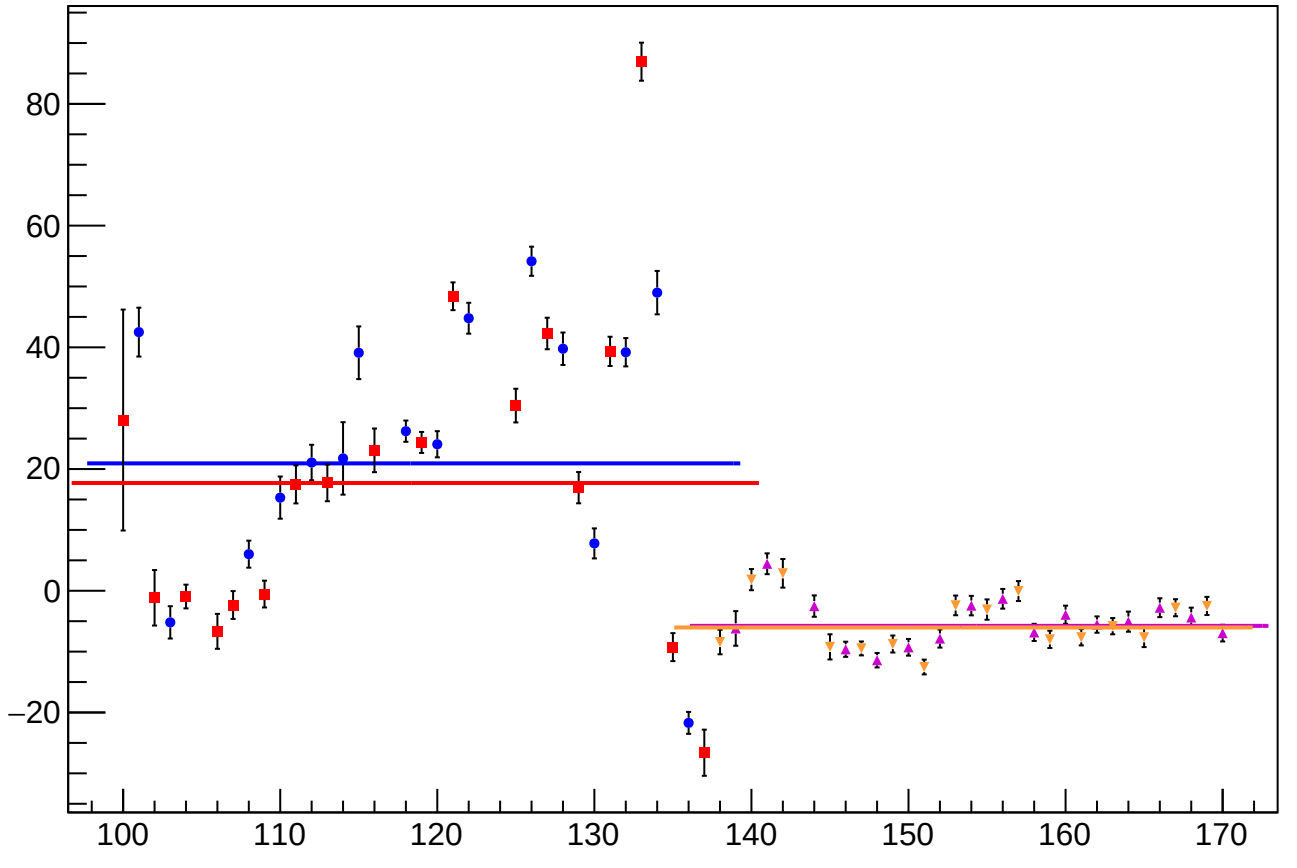
Left: -9.347+/-0.322 χ^2/NDF: 164.5/31

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

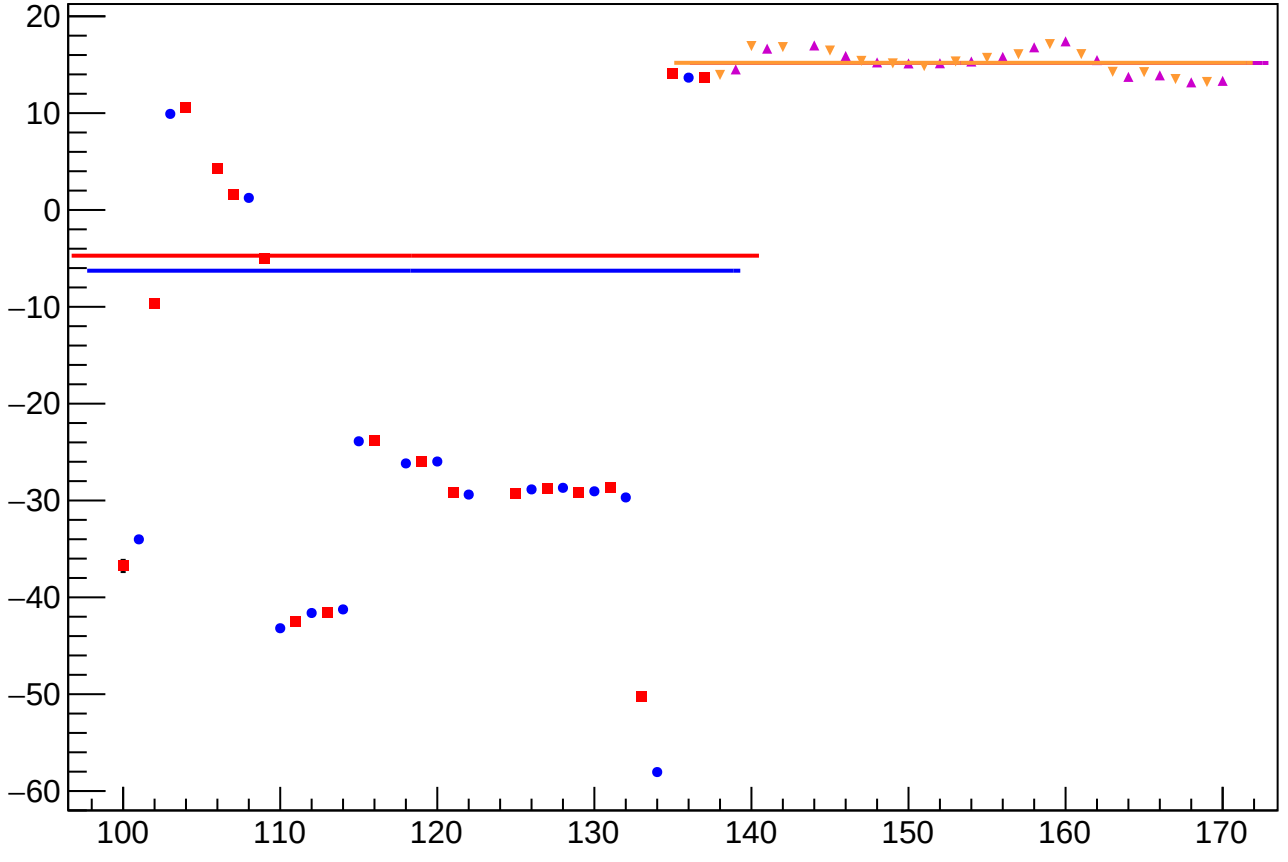
In: 16.630+/-0.359 χ^2/NDF:15065.0/31

Out: 16.277+/-0.361 χ^2/NDF:13496.0/33

All: 16.455+/-0.255 χ^2/NDF: 28561.5/65


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -6.033+/-0.377 χ²/NDF:116.9/15
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -5.767+/-0.375 χ²/NDF:99.0/15
Left: -5.899+/-0.266 χ²/NDF: 216.1/31
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 1.060+/-0.324 χ²/NDF:2639.0/31
Out: 0.417+/-0.322 χ²/NDF:2673.5/33
All: 0.737+/-0.228 χ²/NDF: 5314.5/65

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.195+/-0.017 χ^2/NDF:4691.5/15

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.177+/-0.017 χ^2/NDF:5502.6/15

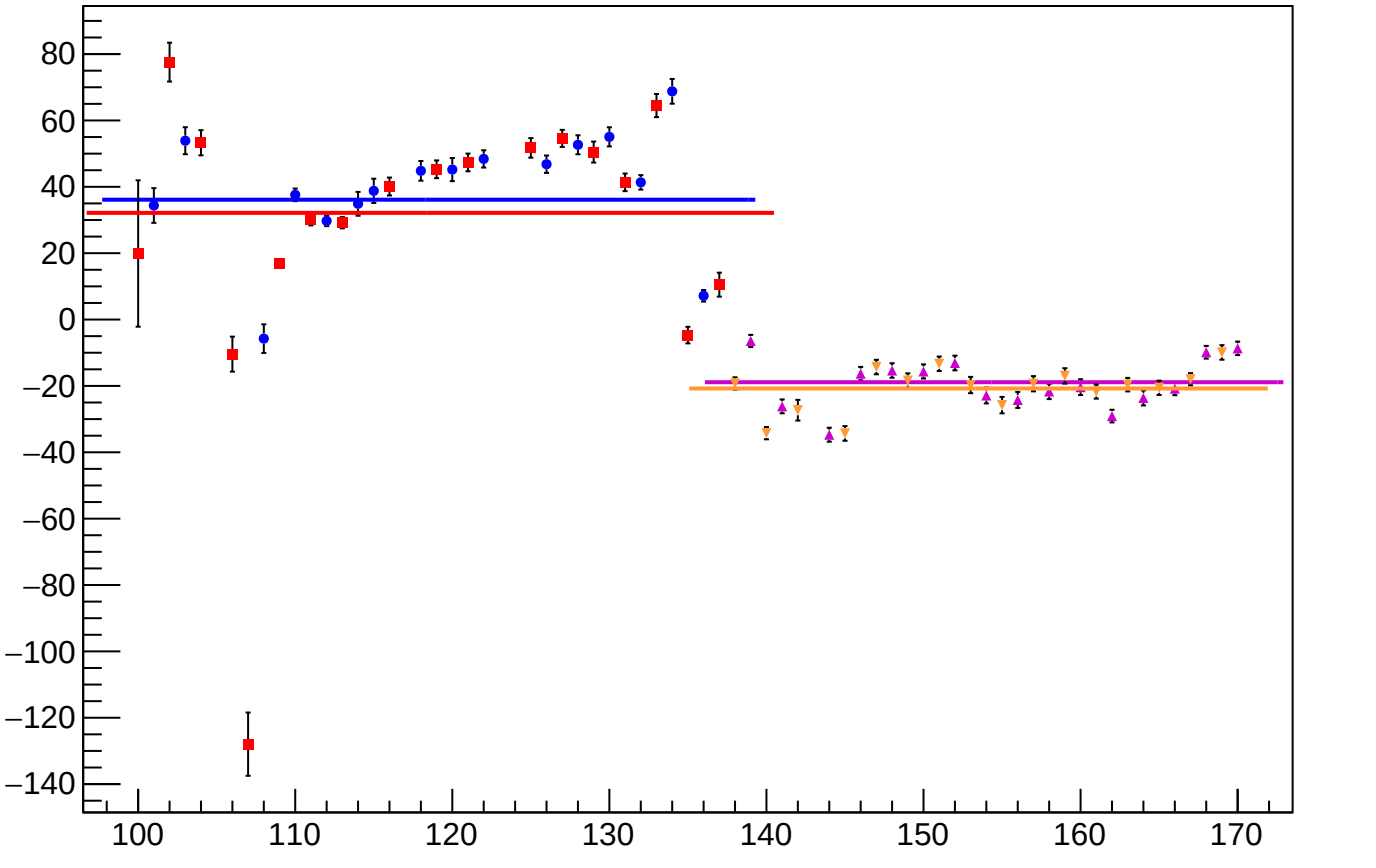
Left: 15.186+/-0.012 χ^2/NDF: 10194.7/31

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

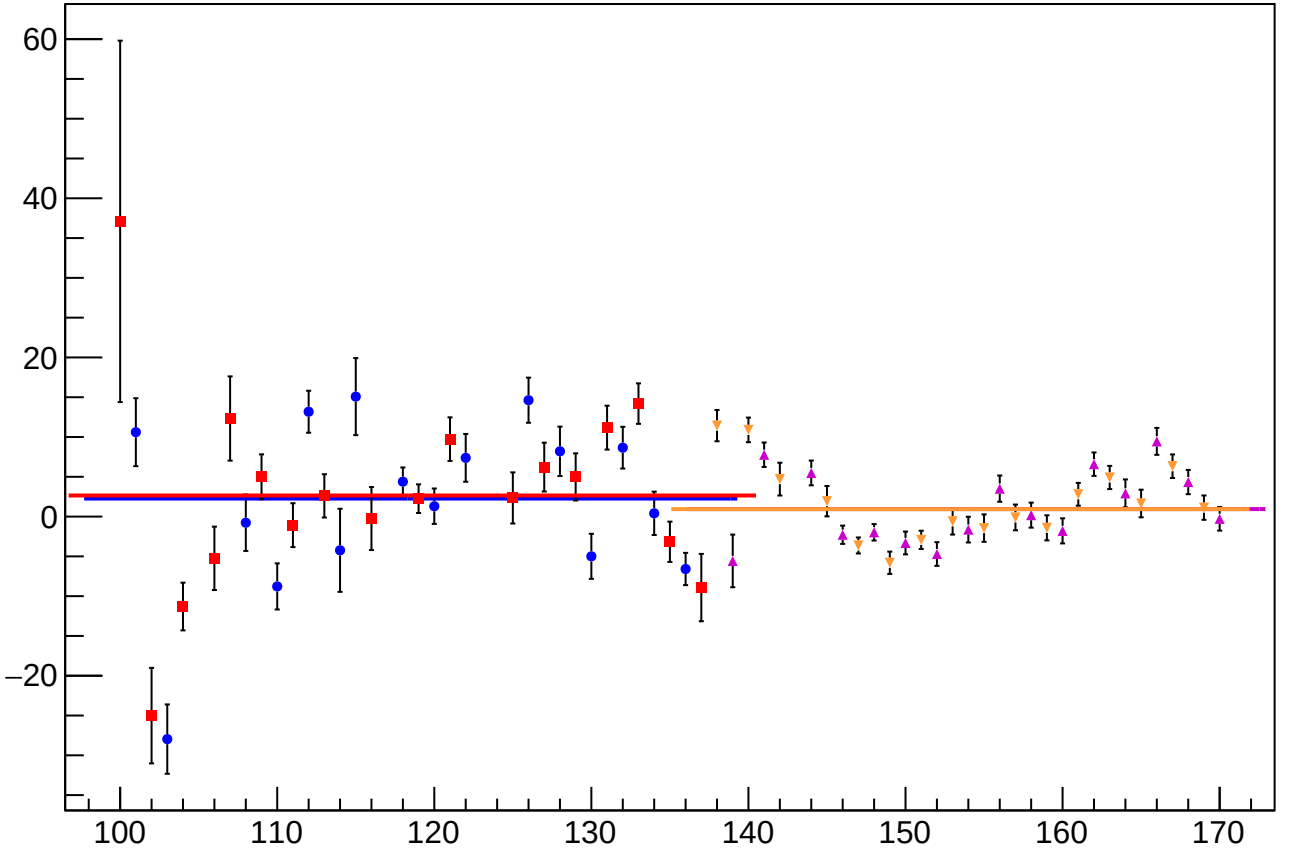
In: 10.891+/-0.015 χ^2/NDF:745609.5/31

Out: 11.060+/-0.015 χ^2/NDF:588254.9/33

All: 10.974+/-0.011 χ^2/NDF: 1333926.6/65


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -20.776+/-0.543 χ2/NDF:151.7/15
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -18.884+/-0.529 χ2/NDF:218.5/15
Left: -19.805+/-0.379 χ2/NDF: 376.4/31
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 2.770+/-0.412 χ2/NDF:5098.0/31
Out: 1.754+/-0.411 χ2/NDF:5311.5/33
All: 2.262+/-0.291 χ2/NDF: 10412.6/65

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.937+/-0.375 χ^2/NDF:156.5/15

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.945+/-0.374 χ^2/NDF:126.2/15

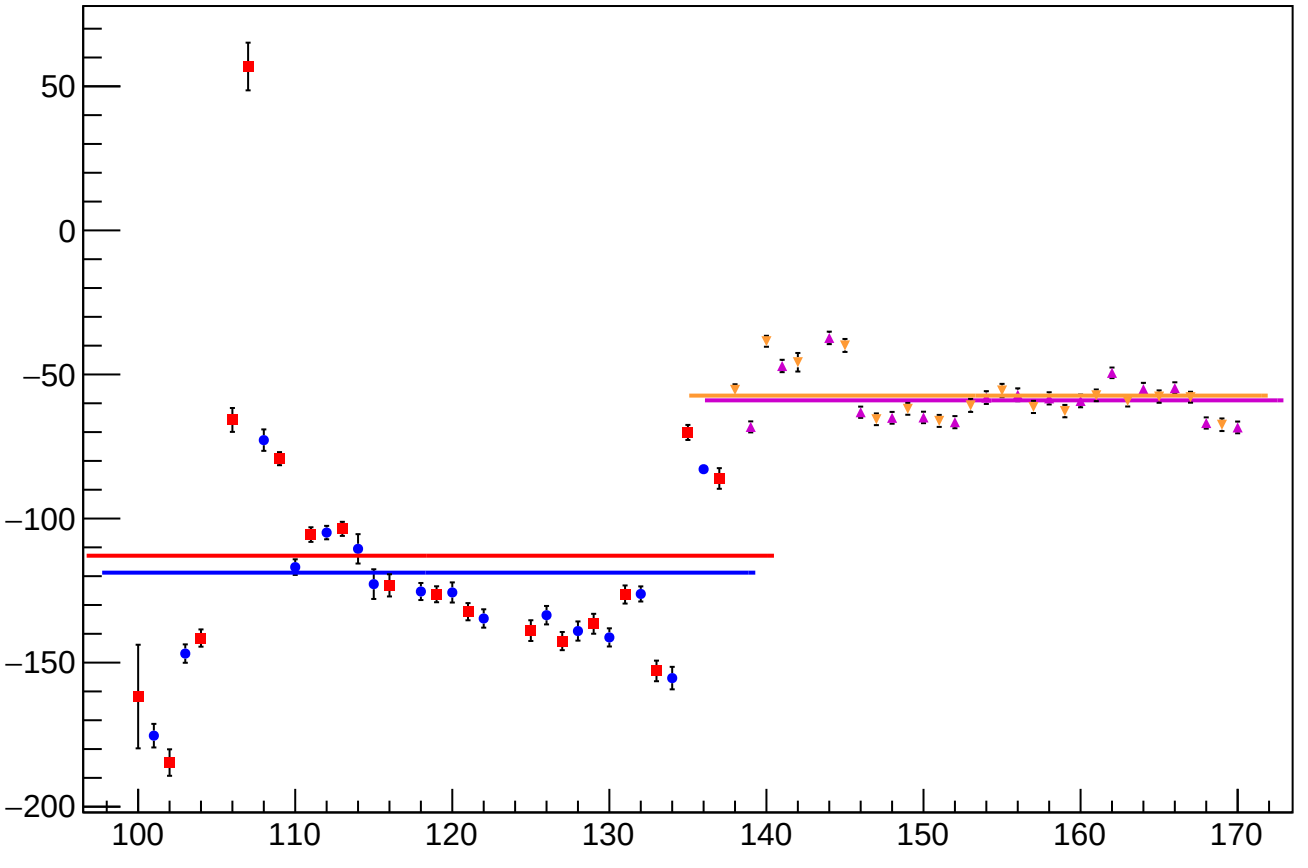
Left: 0.941+/-0.265 χ^2/NDF: 282.7/31

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

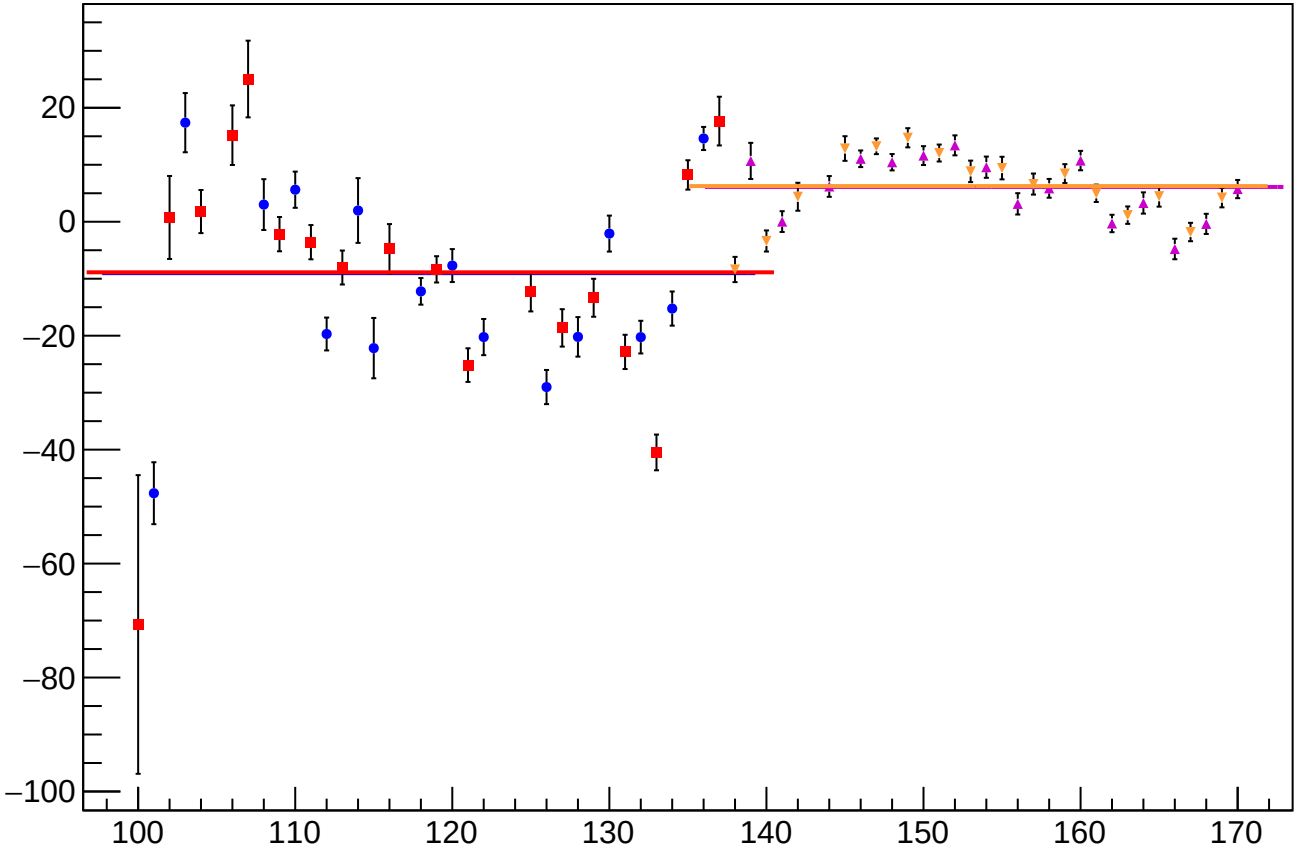
In: 1.238+/-0.330 χ^2/NDF:281.0/31

Out: 1.307+/-0.332 χ^2/NDF:268.2/33

All: 1.272+/-0.234 χ^2/NDF: 549.2/65


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -118.778+/-0.757 χ²/NDF: 1119.5/15
Left Out: -57.334+/-0.529 χ²/NDF:245.8/15
Right Out: -112.899+/-0.761 χ²/NDF: 1862.9/17
Left In: -58.984+/-0.515 χ²/NDF:262.3/15
Left: -58.181+/-0.369 χ²/NDF: 513.1/31
Right: -115.855+/-0.537 χ²/NDF: 3012.4/33
In: -77.924+/-0.426 χ²/NDF:5646.6/31
Out: -75.448+/-0.434 χ²/NDF:5702.4/33
All: -76.710+/-0.304 χ²/NDF: 11365.6/65

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 6.258+/-0.435 χ^2/NDF:192.2/15

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.106+/-0.432 χ^2/NDF:145.4/15

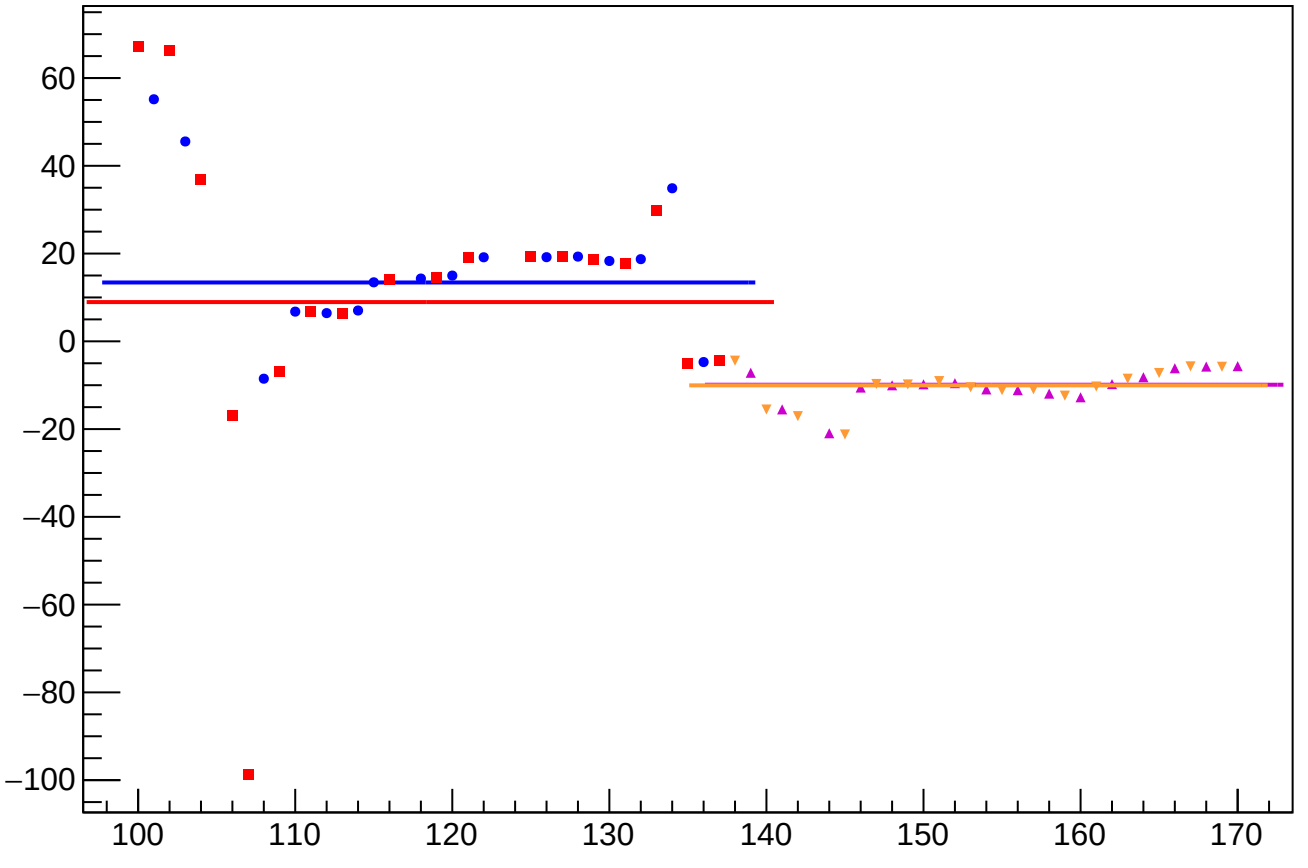
Left: 6.181+/-0.306 χ^2/NDF: 337.7/31

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.663+/-0.380 χ^2/NDF:782.6/31

Out: 2.872+/-0.383 χ^2/NDF:781.7/33

All: 2.766+/-0.270 χ^2/NDF: 1564.5/65



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.034+/-0.020 χ^2/NDF:38593.9/15

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -9.892+/-0.019 χ^2/NDF:31459.1/15

Left: -9.961+/-0.014 χ^2/NDF: 70079.8/31

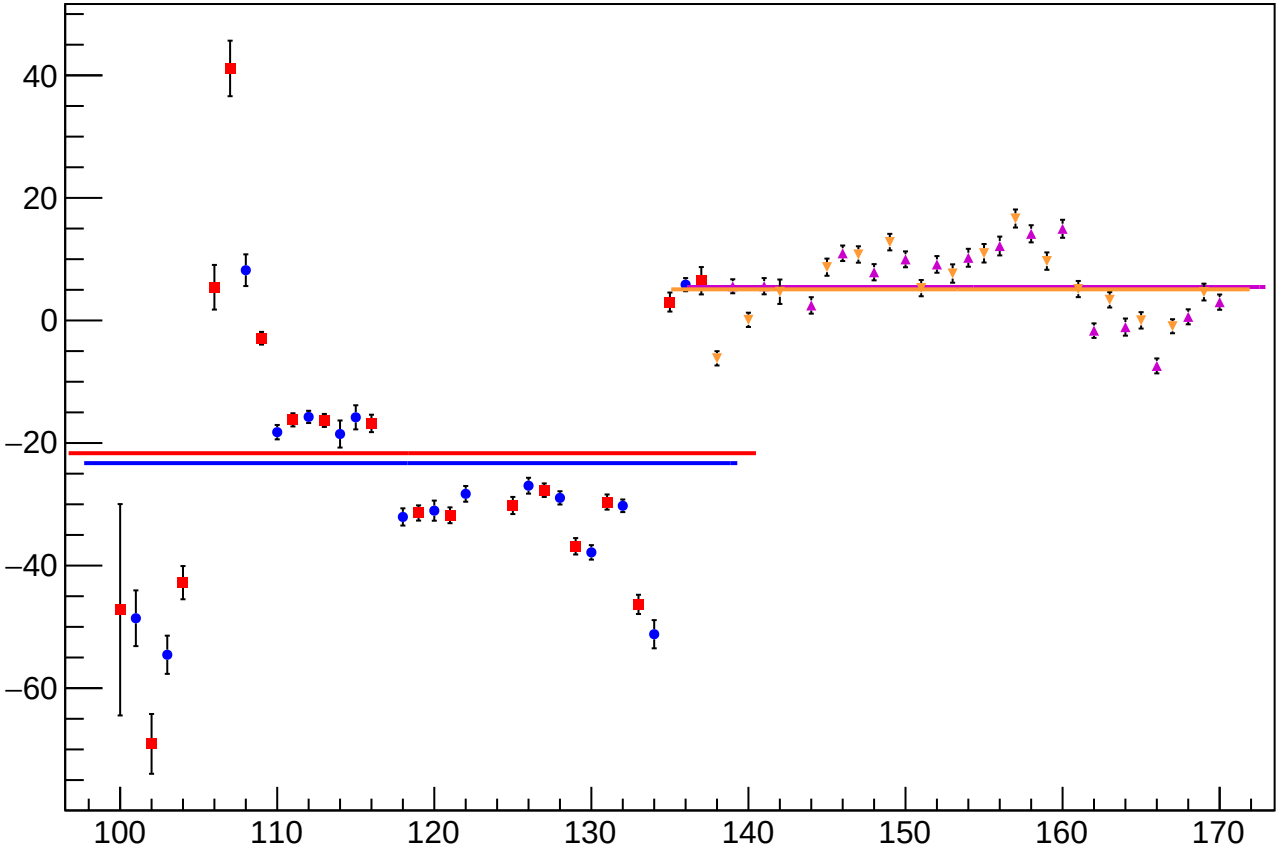
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.358+/-0.018 χ^2/NDF:439853.9/31

Out: -7.222+/-0.018 χ^2/NDF:466266.4/33

All: -6.775+/-0.013 χ^2/NDF: 907281.3/65

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.077+/-0.337 χ^2/NDF:302.9/15

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.459+/-0.328 χ^2/NDF:345.5/15

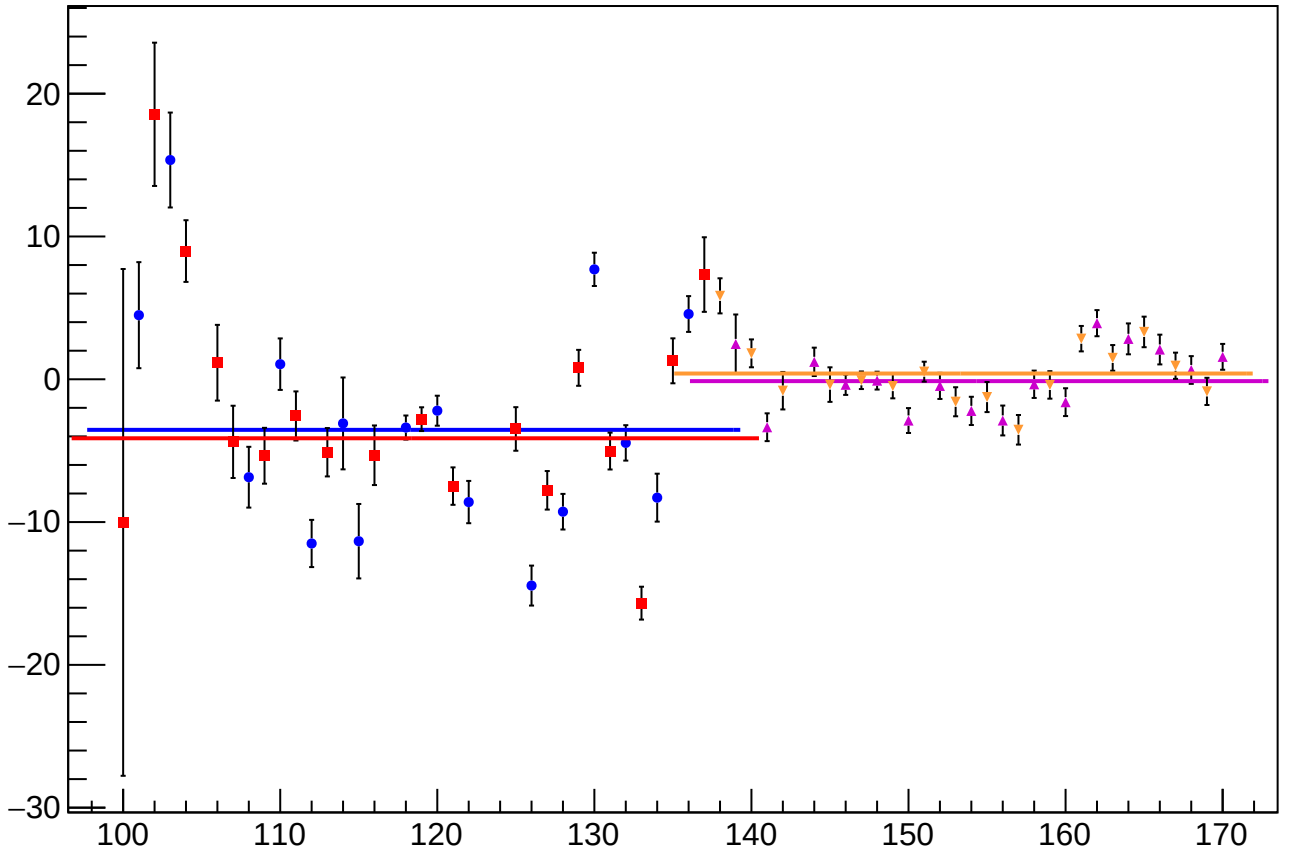
Left: 5.273+/-0.235 χ^2/NDF: 649.1/31

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -7.967+/-0.239 χ^2/NDF:5498.1/31

Out: -7.884+/-0.242 χ^2/NDF:5169.6/33

All: -7.926+/-0.170 χ^2/NDF: 10667.7/65



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.403+/-0.232 χ^2/NDF:64.5/15

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.130+/-0.231 χ^2/NDF:74.3/15

Left: 0.136+/-0.164 χ^2/NDF: 141.5/31

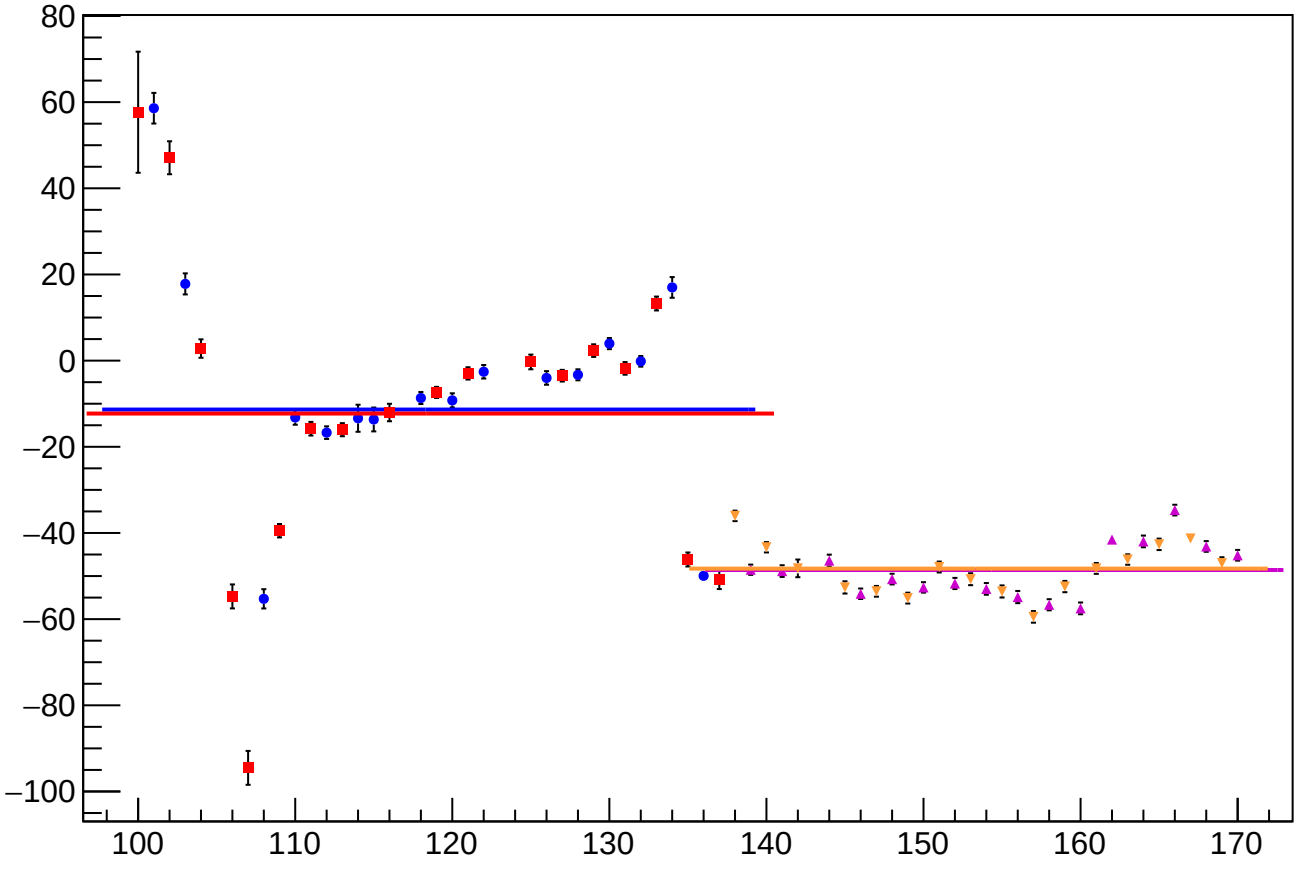
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.116+/-0.195 χ^2/NDF:454.0/31

Out: -0.874+/-0.197 χ^2/NDF:399.5/33

All: -0.996+/-0.139 χ^2/NDF: 854.2/65

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.271+/-0.328 χ^2/NDF:328.1/15

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.600+/-0.319 χ^2/NDF:368.9/15

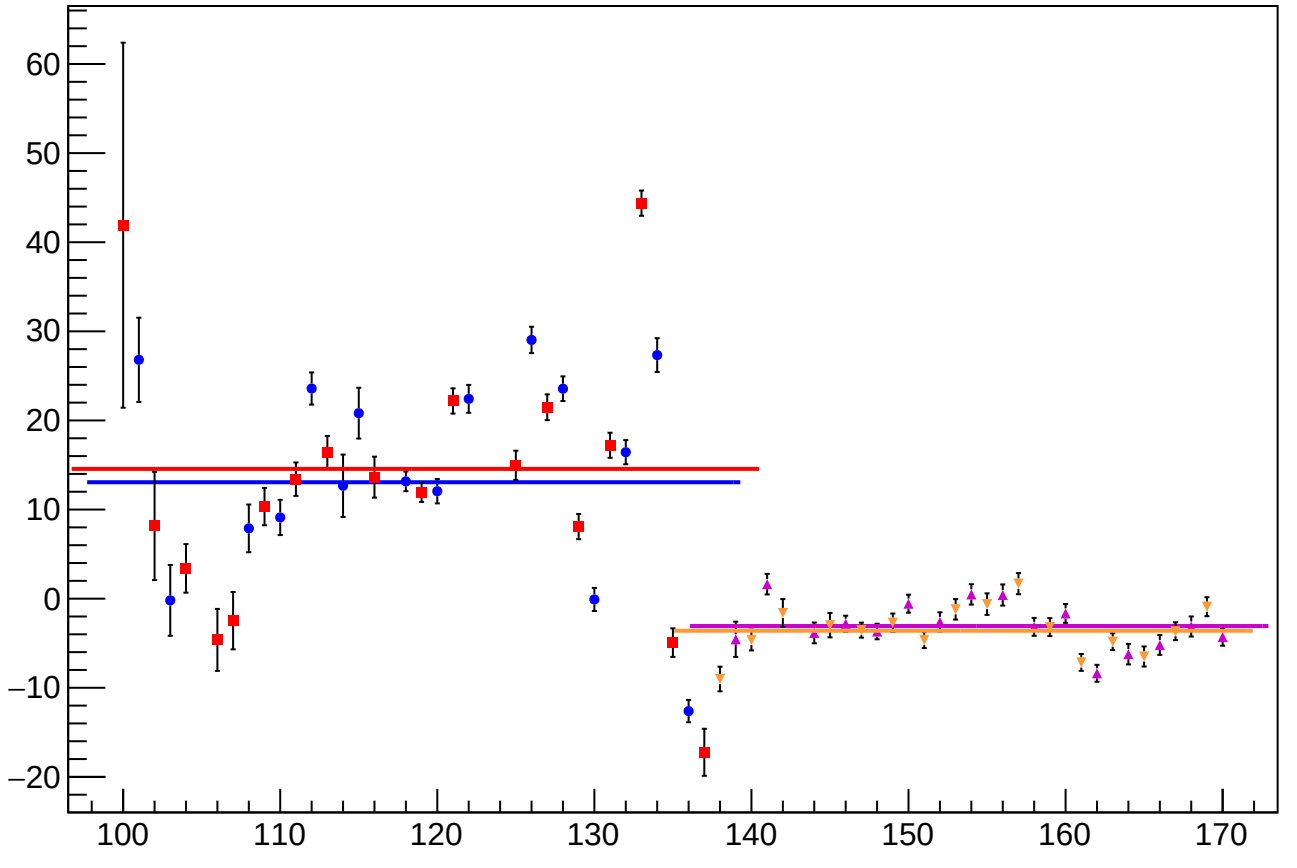
Left: -48.440+/-0.229 χ^2/NDF: 697.5/31

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -34.348+/-0.251 χ^2/NDF:8234.0/31

Out: -34.348+/-0.257 χ^2/NDF:7571.4/33

All: -34.348+/-0.180 χ^2/NDF: 15805.4/65



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.600+/-0.269 χ^2/NDF:79.3/15

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -3.070+/-0.267 χ^2/NDF:88.6/15

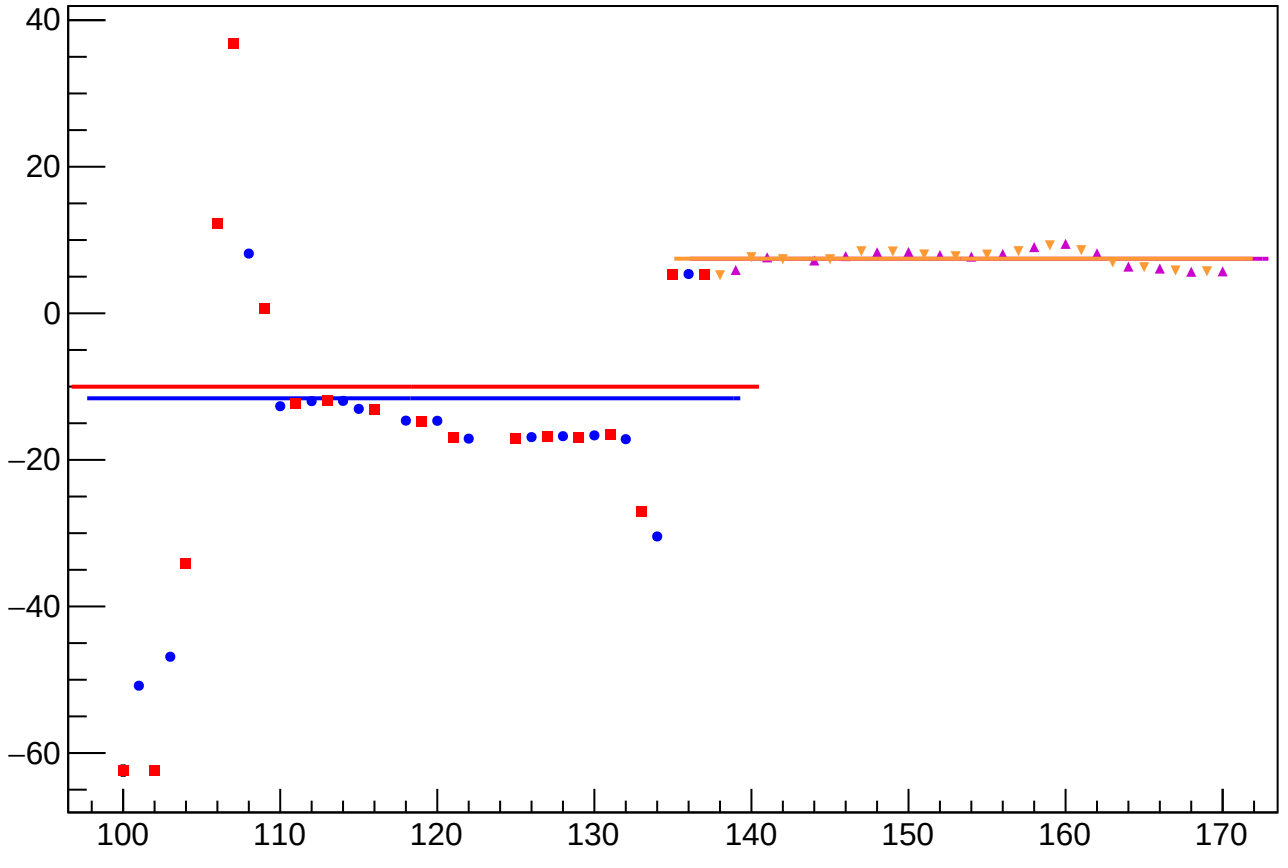
Left: -3.333+/-0.190 χ^2/NDF: 169.9/31

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.663+/-0.225 χ^2/NDF:2021.9/31

Out: 1.645+/-0.227 χ^2/NDF:2296.9/33

All: 1.654+/-0.160 χ^2/NDF: 4318.7/65



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.456+/-0.012 χ^2/NDF:9462.2/15

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.442+/-0.012 χ^2/NDF:10206.4/15

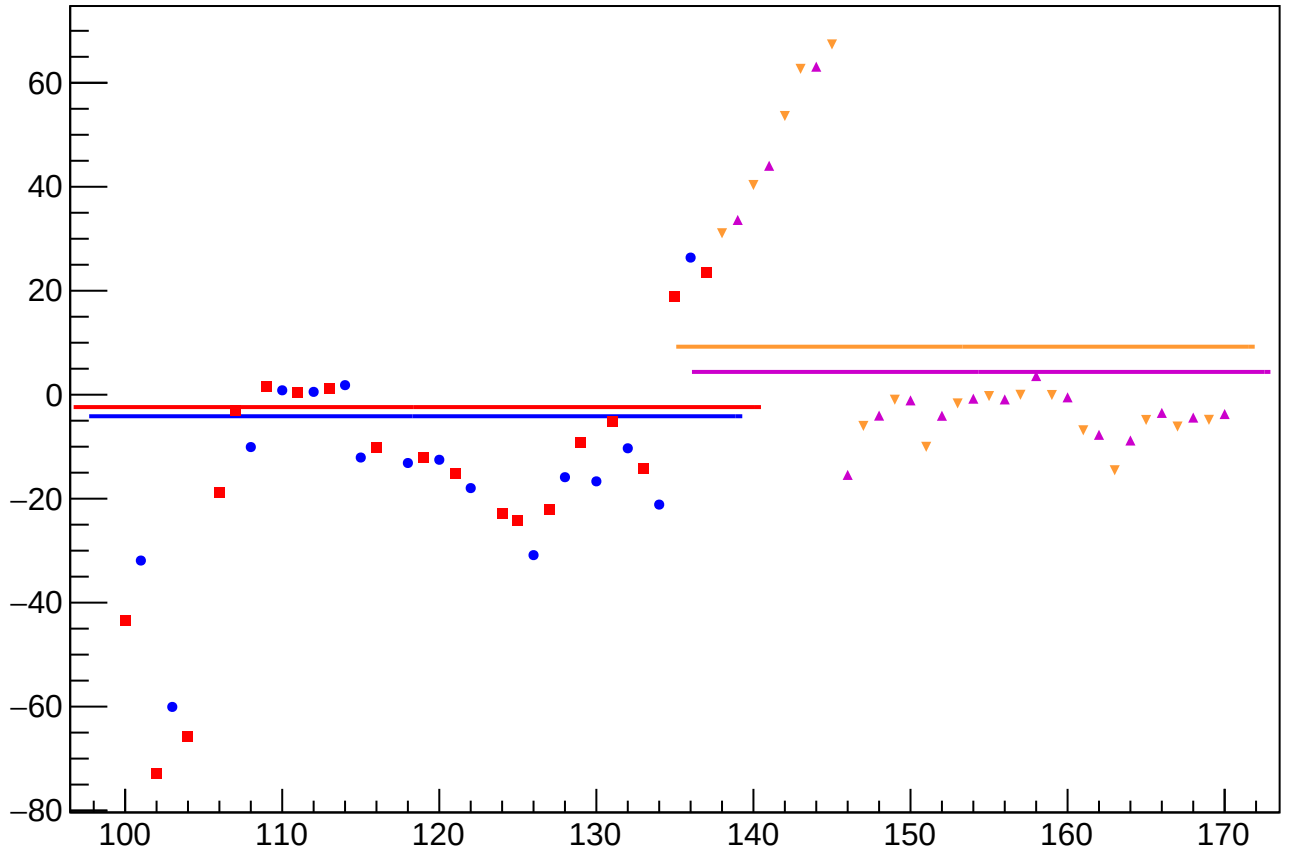
Left: 7.449+/-0.009 χ^2/NDF: 19669.3/31

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 4.222+/-0.011 χ^2/NDF:805776.9/31

Out: 4.549+/-0.011 χ^2/NDF:743431.2/33

All: 4.380+/-0.008 χ^2/NDF: 1549650.0/65



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 9.237+/-0.060 χ^2/NDF:150979.0/16

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 4.384+/-0.052 χ^2/NDF:121530.8/15

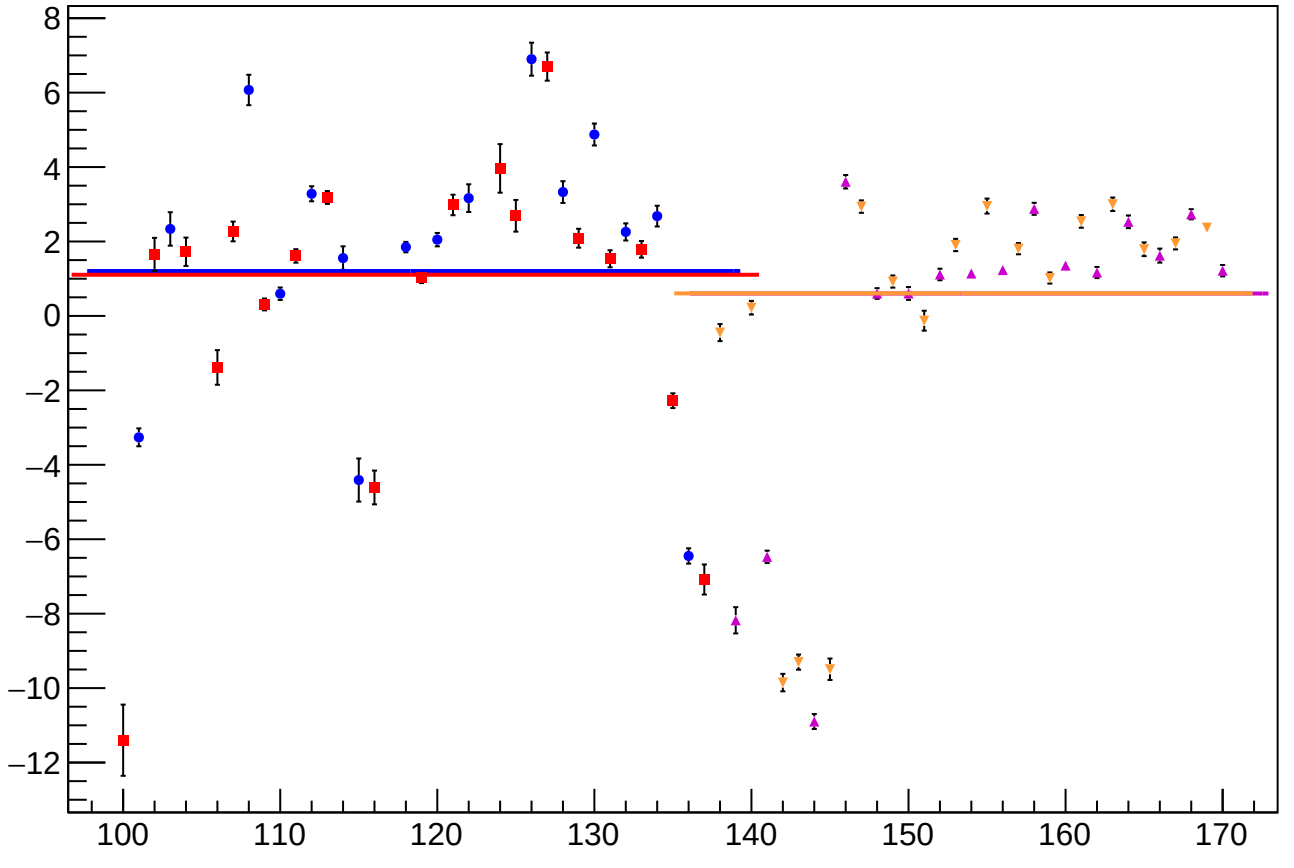
Left: 6.467+/-0.040 χ^2/NDF: 276191.6/32

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.302+/-0.038 χ^2/NDF:209478.6/31

Out: 1.897+/-0.037 χ^2/NDF:255085.8/35

All: 1.124+/-0.026 χ^2/NDF: 465481.4/67



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.606+/-0.044 χ^2/NDF:6665.2/16

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.602+/-0.038 χ^2/NDF:6719.0/15

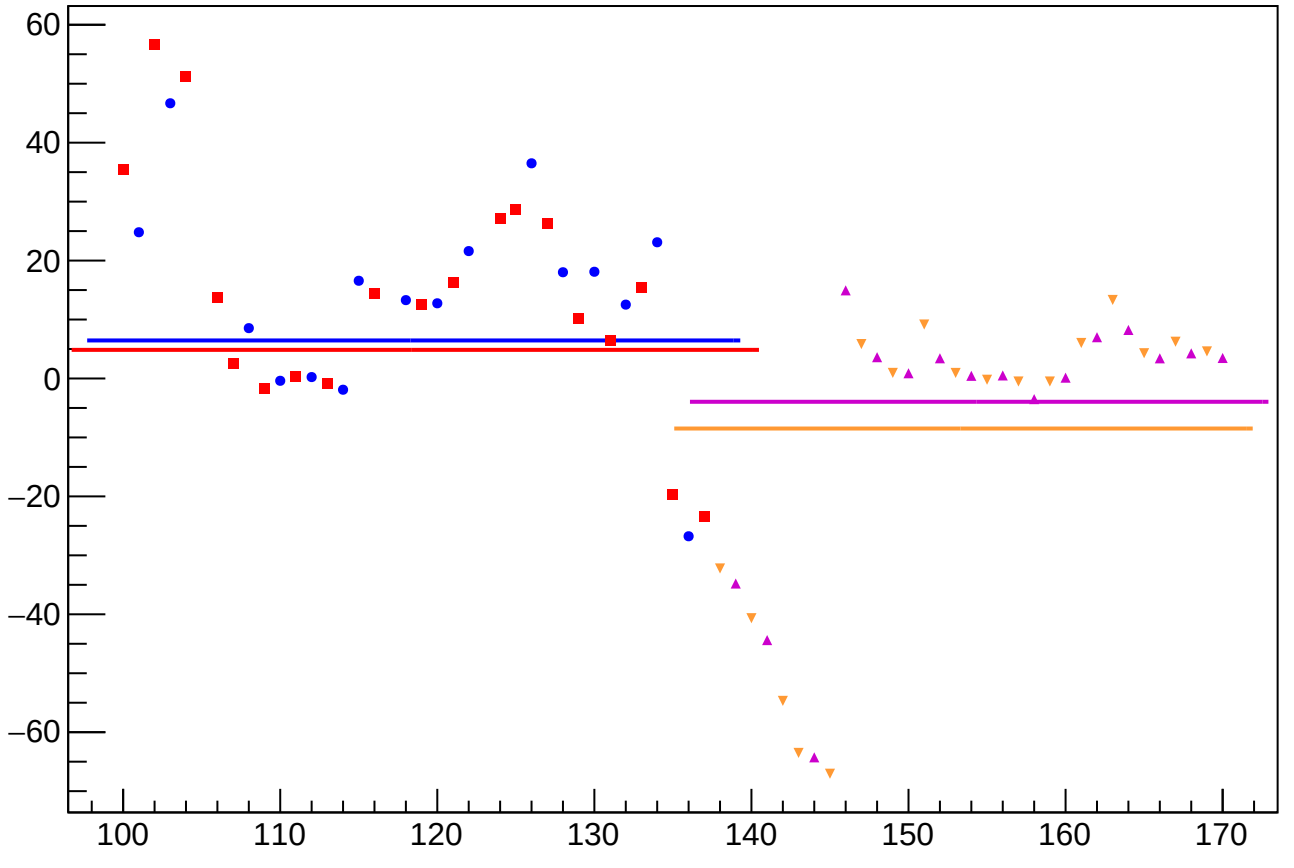
Left: 0.604+/-0.028 χ^2/NDF: 13384.2/32

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.771+/-0.032 χ^2/NDF:9375.4/31

Out: 0.790+/-0.035 χ^2/NDF:8300.7/35

All: 0.780+/-0.023 χ^2/NDF: 17676.2/67



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -8.488+/-0.059 χ^2/NDF:147271.8/16

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -3.952+/-0.051 χ^2/NDF:119124.0/15

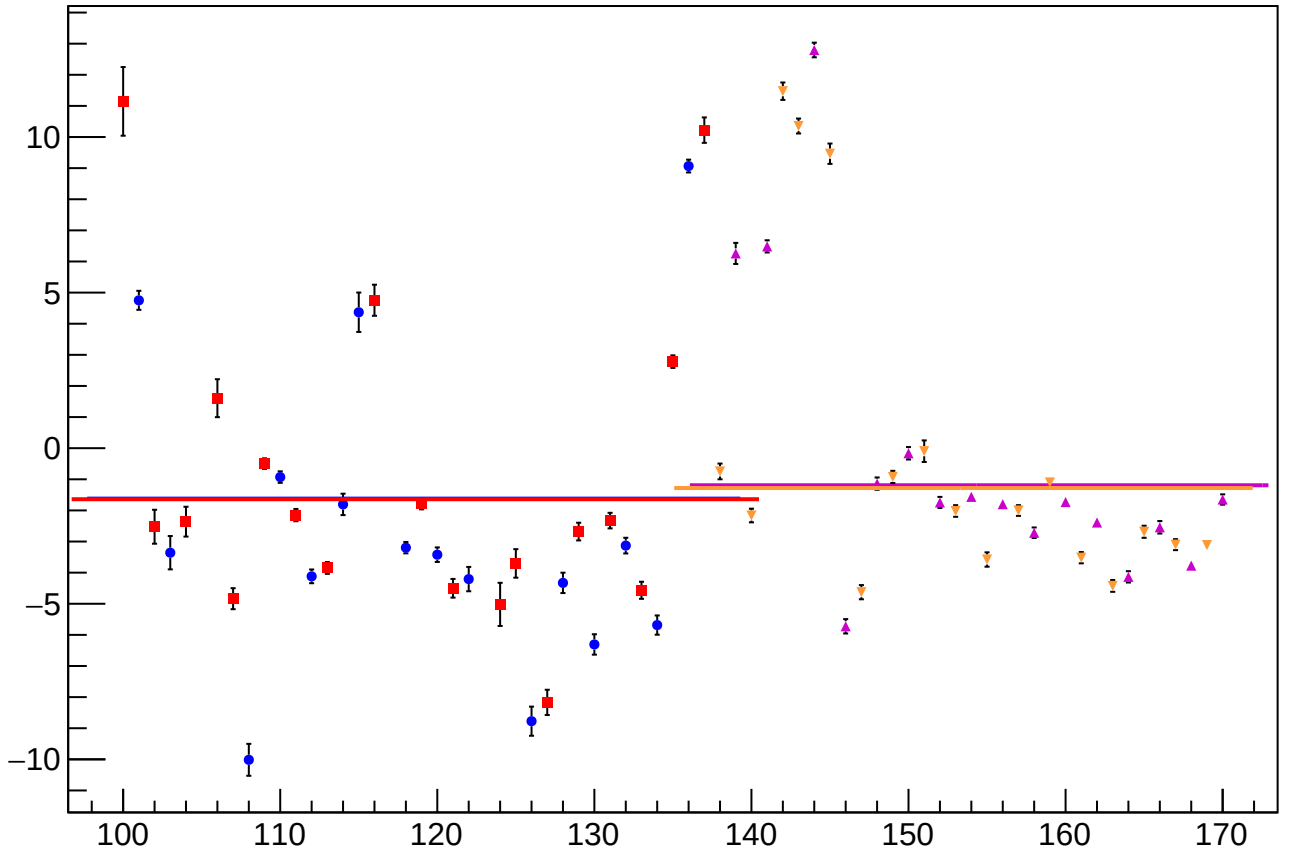
Left: -5.873+/-0.038 χ^2/NDF: 269799.8/32

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.043+/-0.040 χ^2/NDF:205690.3/31

Out: -1.831+/-0.042 χ^2/NDF:248024.9/35

All: -0.897+/-0.029 χ^2/NDF: 454670.7/67



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.281+/-0.049 χ^2/NDF:6629.0/16

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.192+/-0.043 χ^2/NDF:6732.2/15

Left: -1.230+/-0.032 χ^2/NDF: 13363.1/32

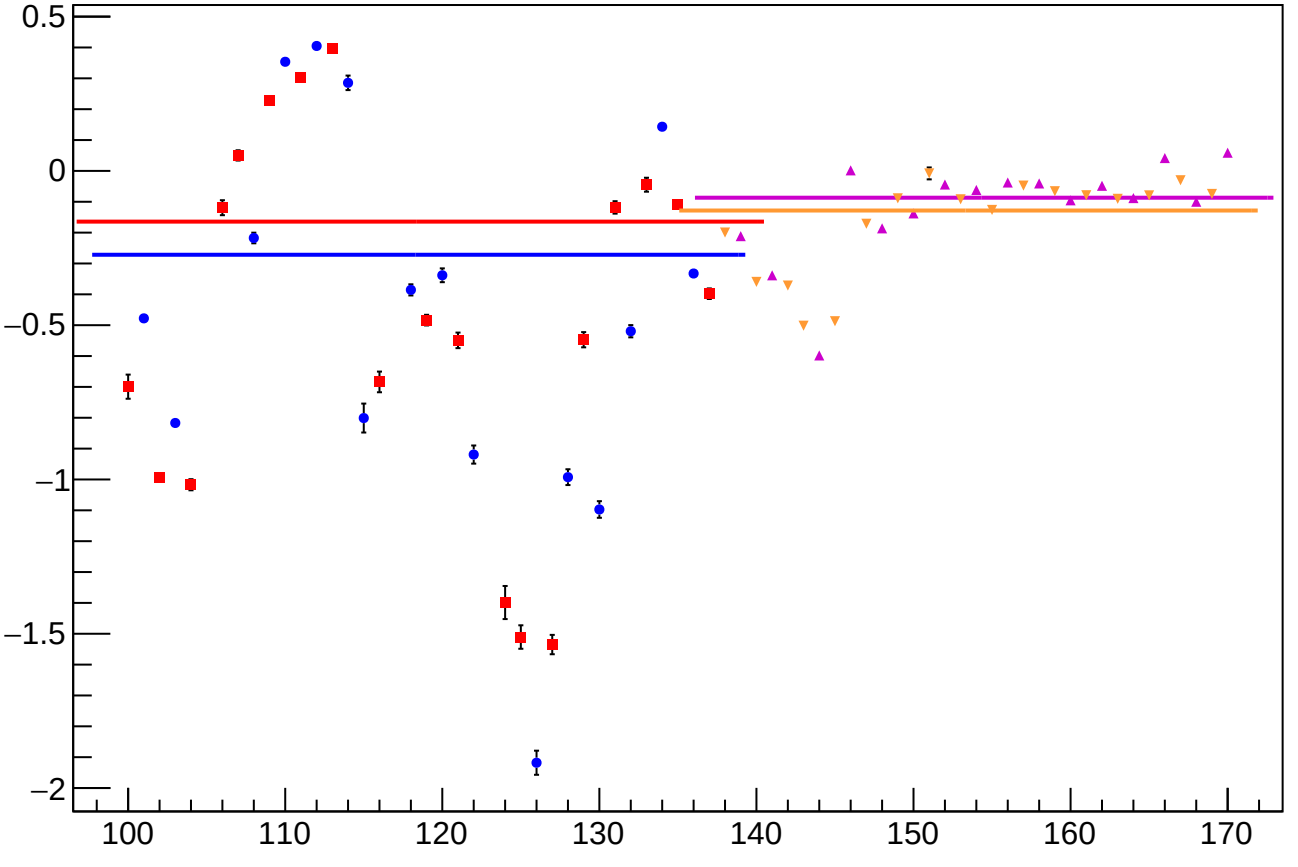
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.309+/-0.036 χ^2/NDF:11285.2/31

Out: -1.414+/-0.039 χ^2/NDF:9110.7/35

All: -1.357+/-0.027 χ^2/NDF: 20399.7/67

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.128+/-0.002 χ^2/NDF:3194.4/16

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.087+/-0.002 χ^2/NDF:3656.6/15

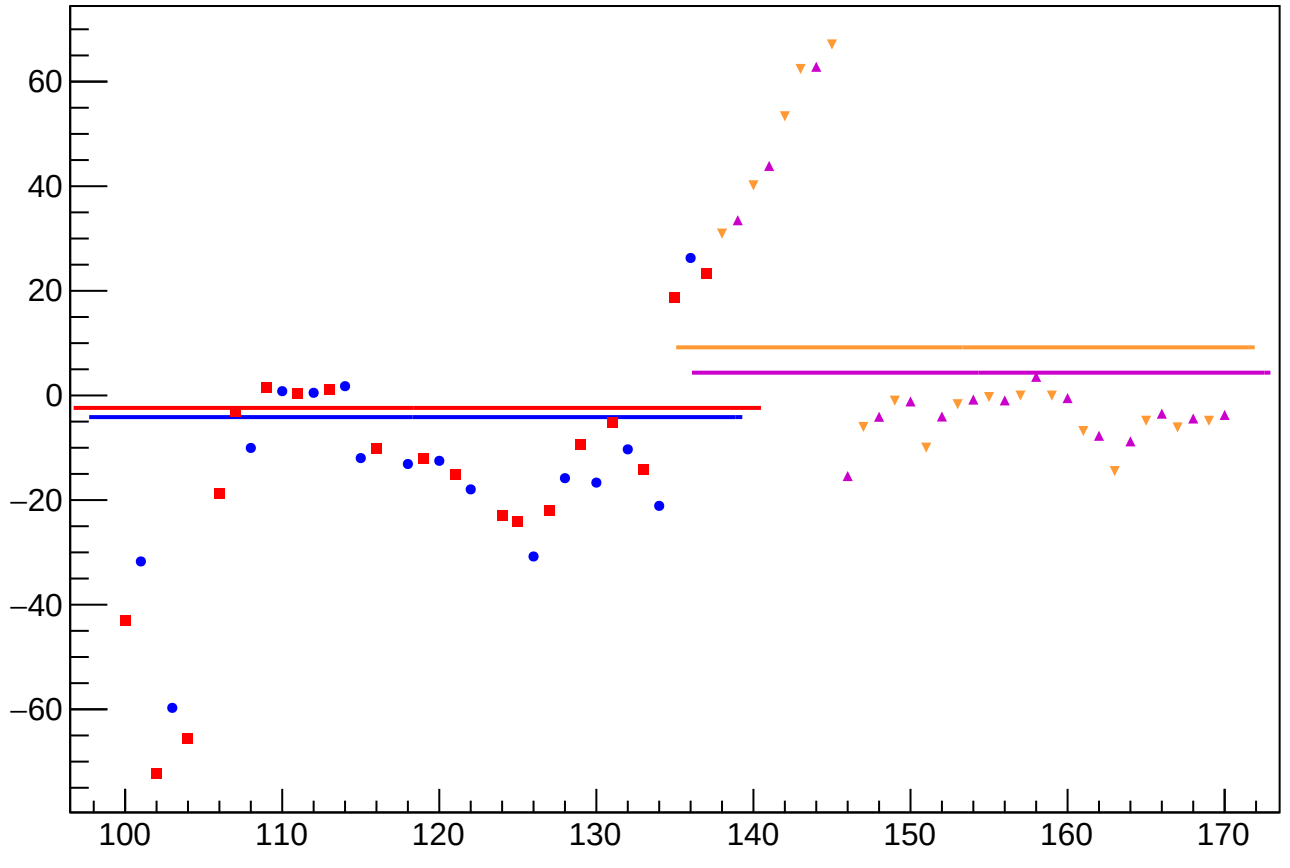
Left: -0.104+/-0.001 χ^2/NDF: 7066.5/32

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.116+/-0.002 χ^2/NDF:17369.2/31

Out: -0.137+/-0.002 χ^2/NDF:18758.9/35

All: -0.125+/-0.001 χ^2/NDF: 36197.3/67



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 9.197+/-0.060 χ^2/NDF:150721.8/16

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 4.355+/-0.052 χ^2/NDF:121416.2/15

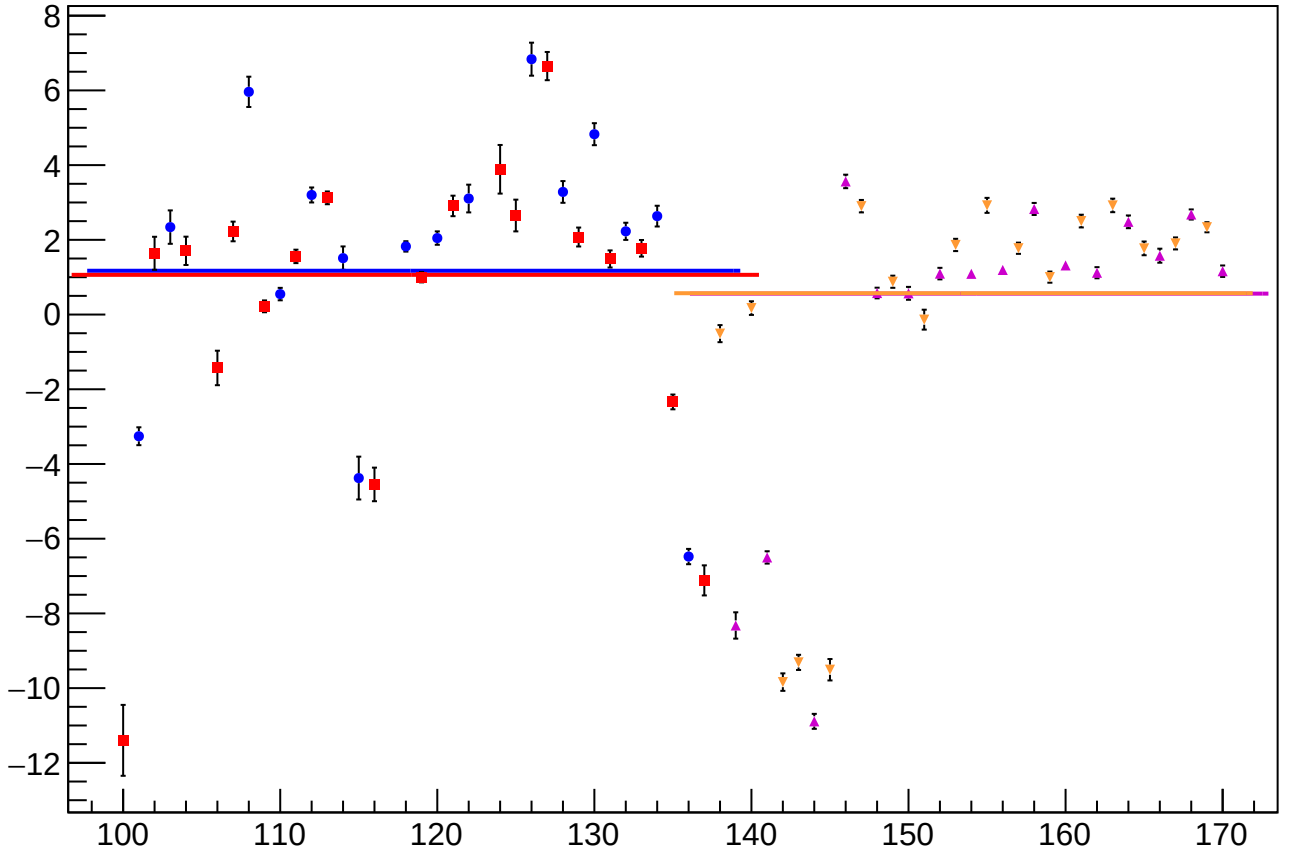
Left: 6.434+/-0.039 χ^2/NDF: 275826.0/32

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.275+/-0.038 χ^2/NDF:209349.9/31

Out: 1.866+/-0.036 χ^2/NDF:254784.6/35

All: 1.096+/-0.026 χ^2/NDF: 465055.7/67



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.571+/-0.043 χ^2/NDF:6669.6/16

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.560+/-0.038 χ^2/NDF:6734.3/15

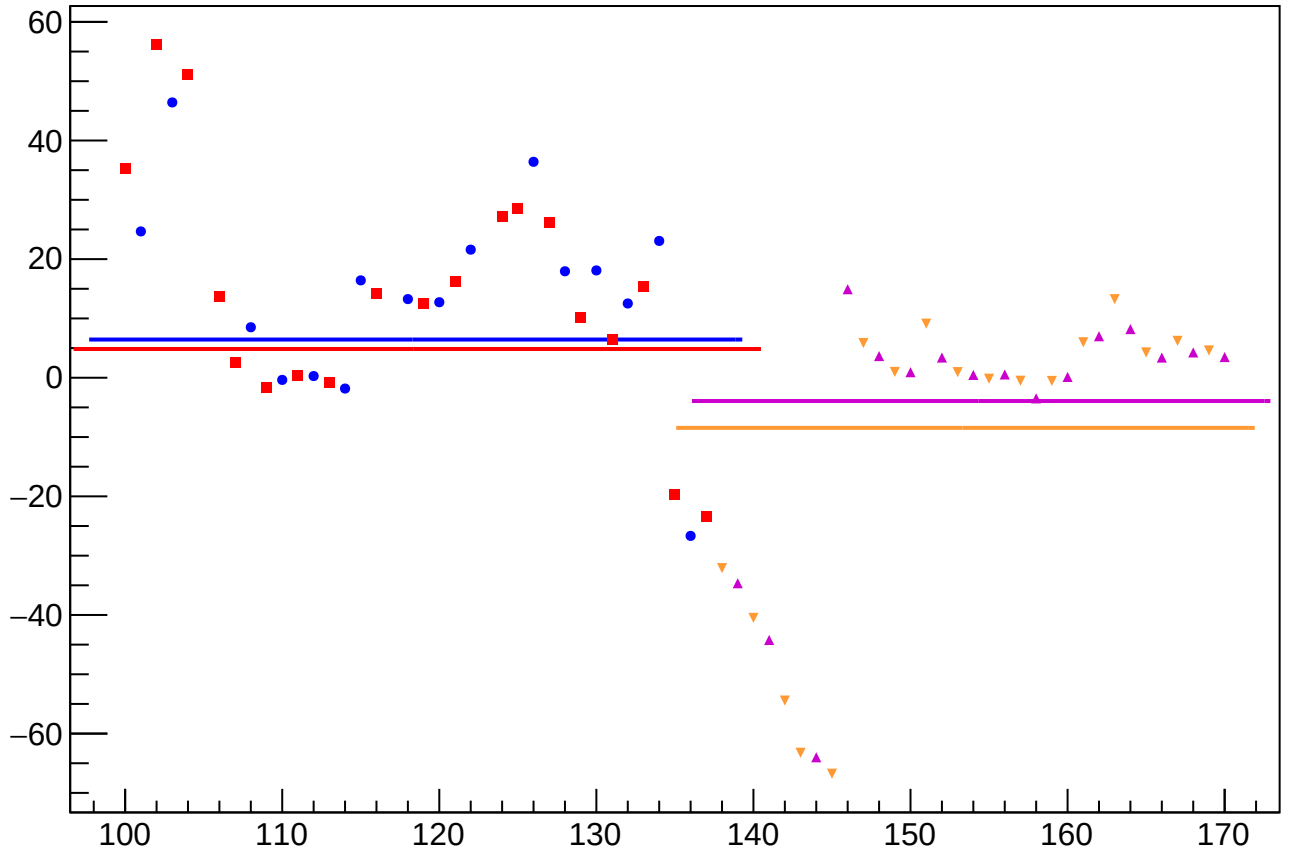
Left: 0.565+/-0.028 χ^2/NDF: 13404.0/32

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.732+/-0.032 χ^2/NDF:9393.4/31

Out: 0.752+/-0.035 χ^2/NDF:8313.3/35

All: 0.741+/-0.023 χ^2/NDF: 17706.9/67



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -8.450+/-0.059 χ^2/NDF:147022.1/16

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -3.924+/-0.050 χ^2/NDF:119007.6/15

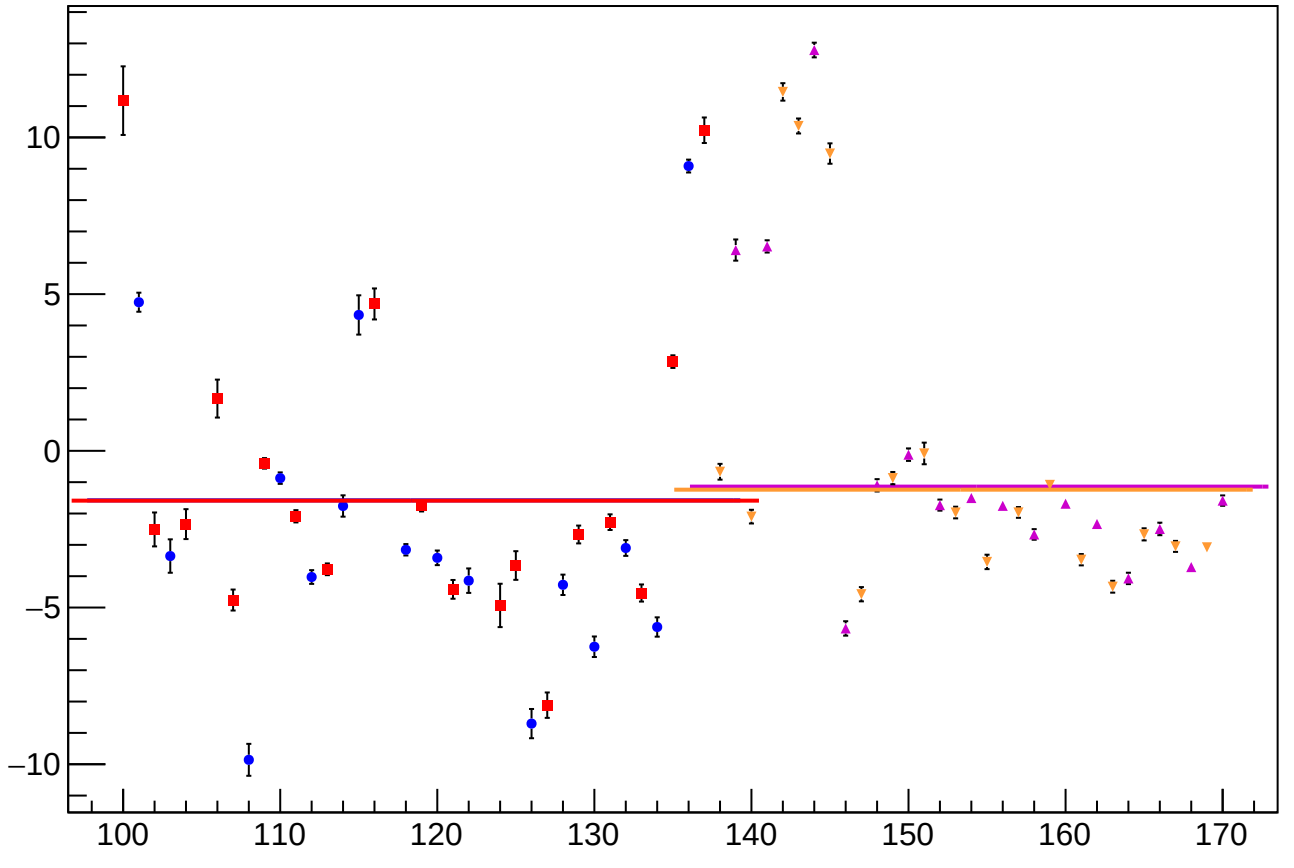
Left: -5.841+/-0.038 χ^2/NDF: 269439.8/32

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.016+/-0.040 χ^2/NDF:205553.4/31

Out: -1.798+/-0.042 χ^2/NDF:247727.5/35

All: -0.868+/-0.029 χ^2/NDF: 454238.6/67



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.239+/-0.049 χ^2/NDF:6628.2/16

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.142+/-0.042 χ^2/NDF:6745.3/15

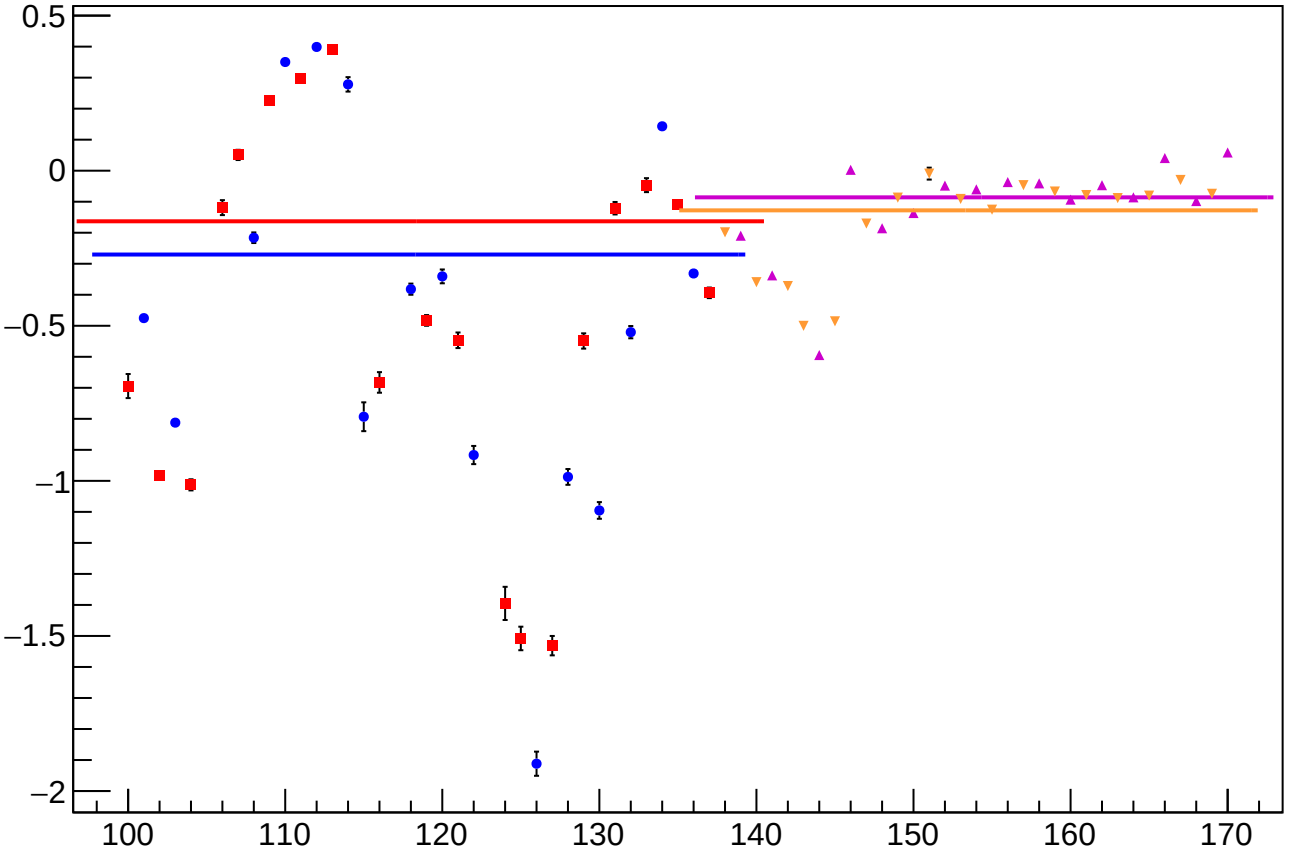
Left: -1.183+/-0.032 χ^2/NDF: 13375.7/32

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.261+/-0.036 χ^2/NDF:11298.6/31

Out: -1.369+/-0.039 χ^2/NDF:9119.0/35

All: -1.311+/-0.027 χ^2/NDF: 20421.7/67



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.128+/-0.002 χ^2/NDF:3205.2/16

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.086+/-0.002 χ^2/NDF:3638.3/15

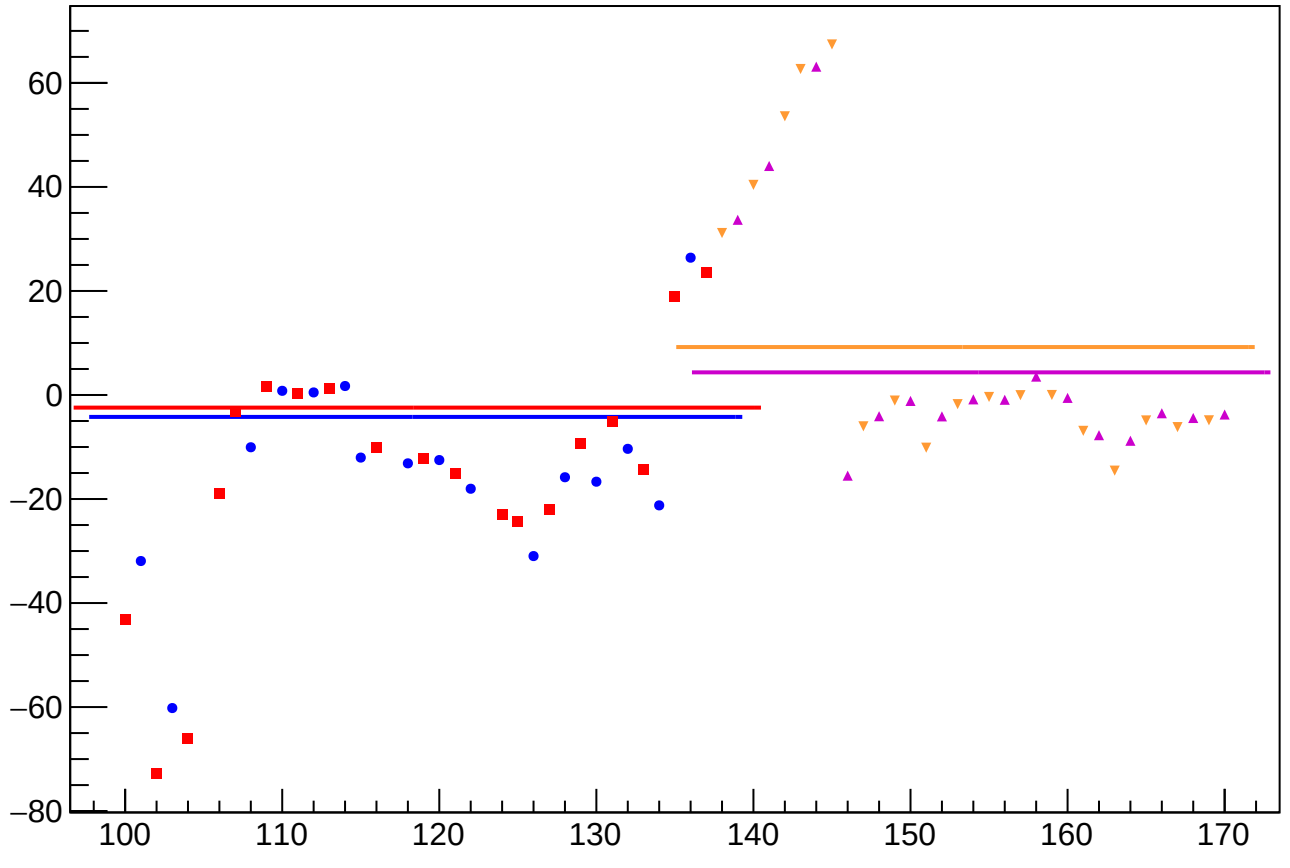
Left: -0.103+/-0.001 χ^2/NDF: 7064.8/32

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.115+/-0.002 χ^2/NDF:17345.2/31

Out: -0.137+/-0.002 χ^2/NDF:18780.8/35

All: -0.125+/-0.001 χ^2/NDF: 36197.2/67



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 9.216+/-0.060 χ^2/NDF:151075.6/16

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 4.351+/-0.052 χ^2/NDF:121538.0/15

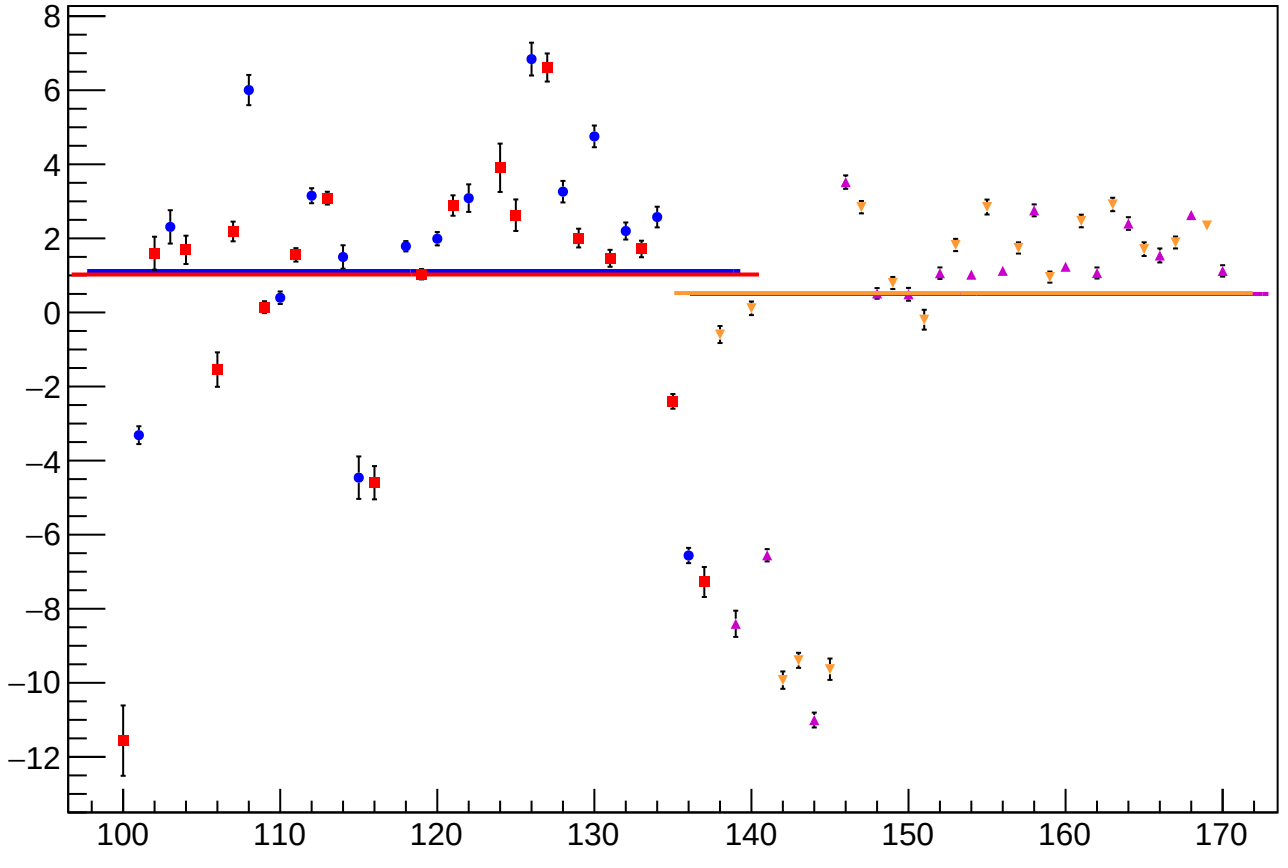
Left: 6.439+/-0.040 χ^2/NDF: 276307.6/32

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.250+/-0.038 χ^2/NDF:209528.0/31

Out: 1.861+/-0.037 χ^2/NDF:255212.5/35

All: 1.080+/-0.026 χ^2/NDF: 465674.0/67



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.524+/-0.044 χ^2/NDF:6689.4/16

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.499+/-0.038 χ^2/NDF:6712.5/15

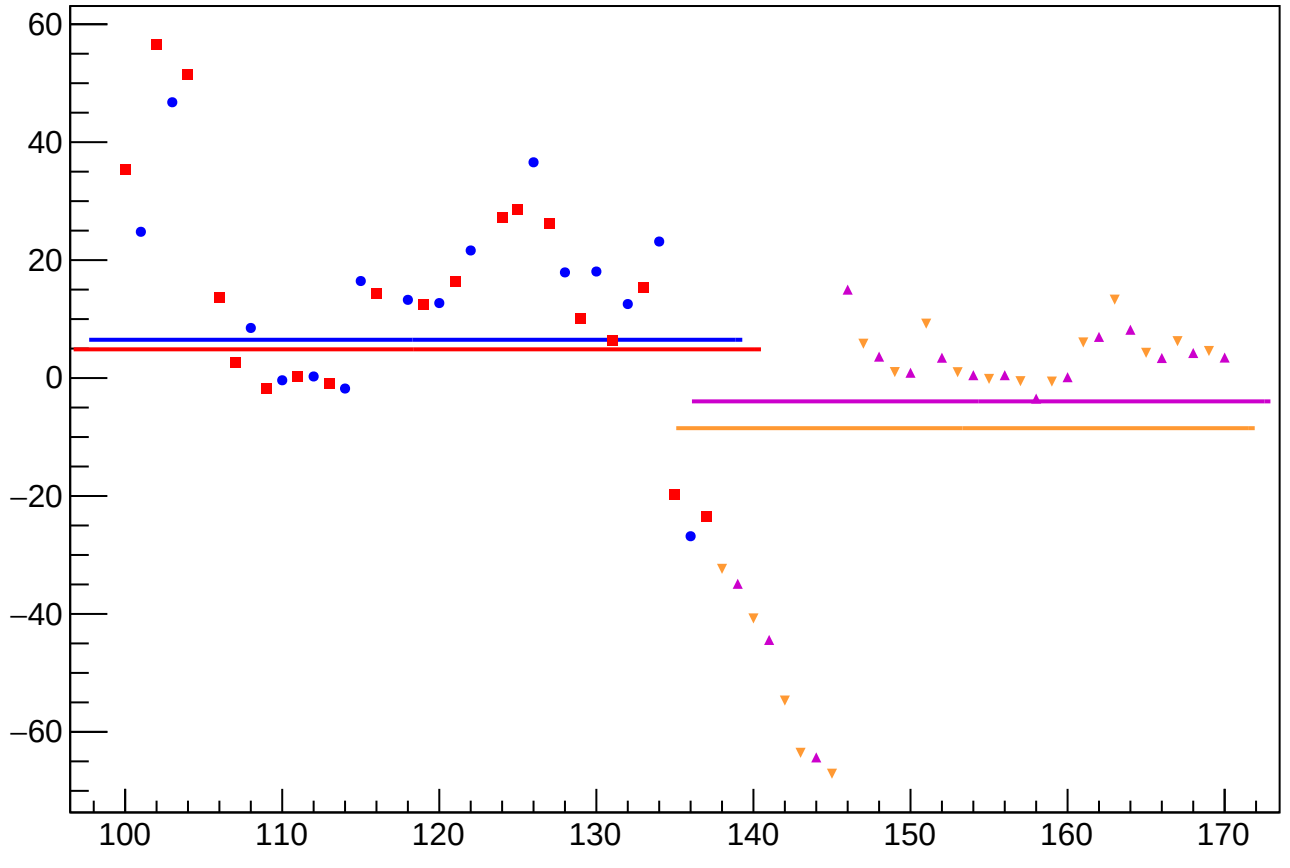
Left: 0.509+/-0.029 χ^2/NDF: 13402.1/32

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.672+/-0.032 χ^2/NDF:9379.8/31

Out: 0.708+/-0.035 χ^2/NDF:8349.9/35

All: 0.689+/-0.024 χ^2/NDF: 17730.2/67



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -8.500+/-0.059 χ^2/NDF:147384.3/16

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.954+/-0.051 χ^2/NDF:119136.2/15

Left: -5.879+/-0.038 χ^2/NDF: 269932.6/32

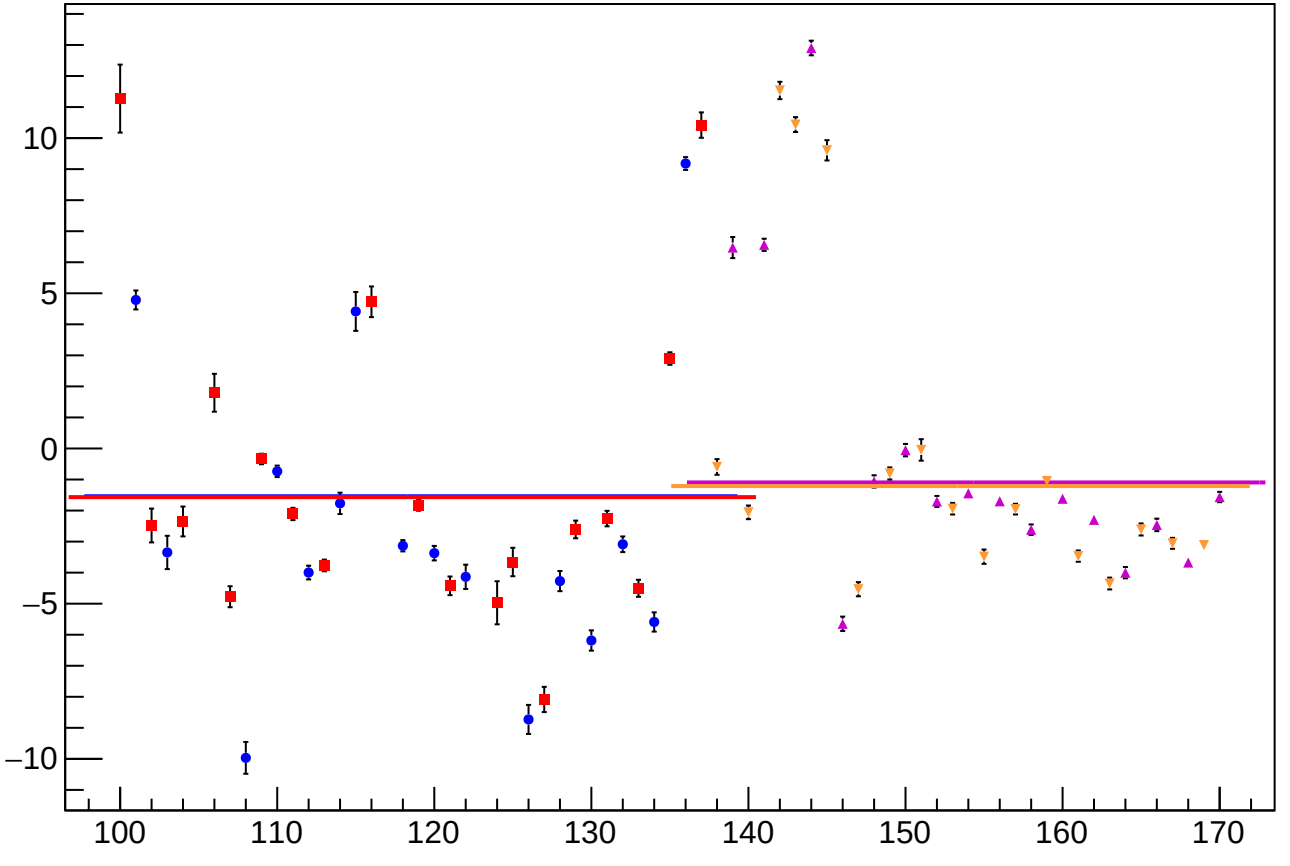
Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.027+/-0.040 χ^2/NDF:205767.4/31

Out: -1.828+/-0.042 χ^2/NDF:248196.7/35

All: -0.887+/-0.029 χ^2/NDF: 454932.7/67

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.211+/-0.049 χ^2/NDF:6651.8/16

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.094+/-0.043 χ^2/NDF:6728.6/15

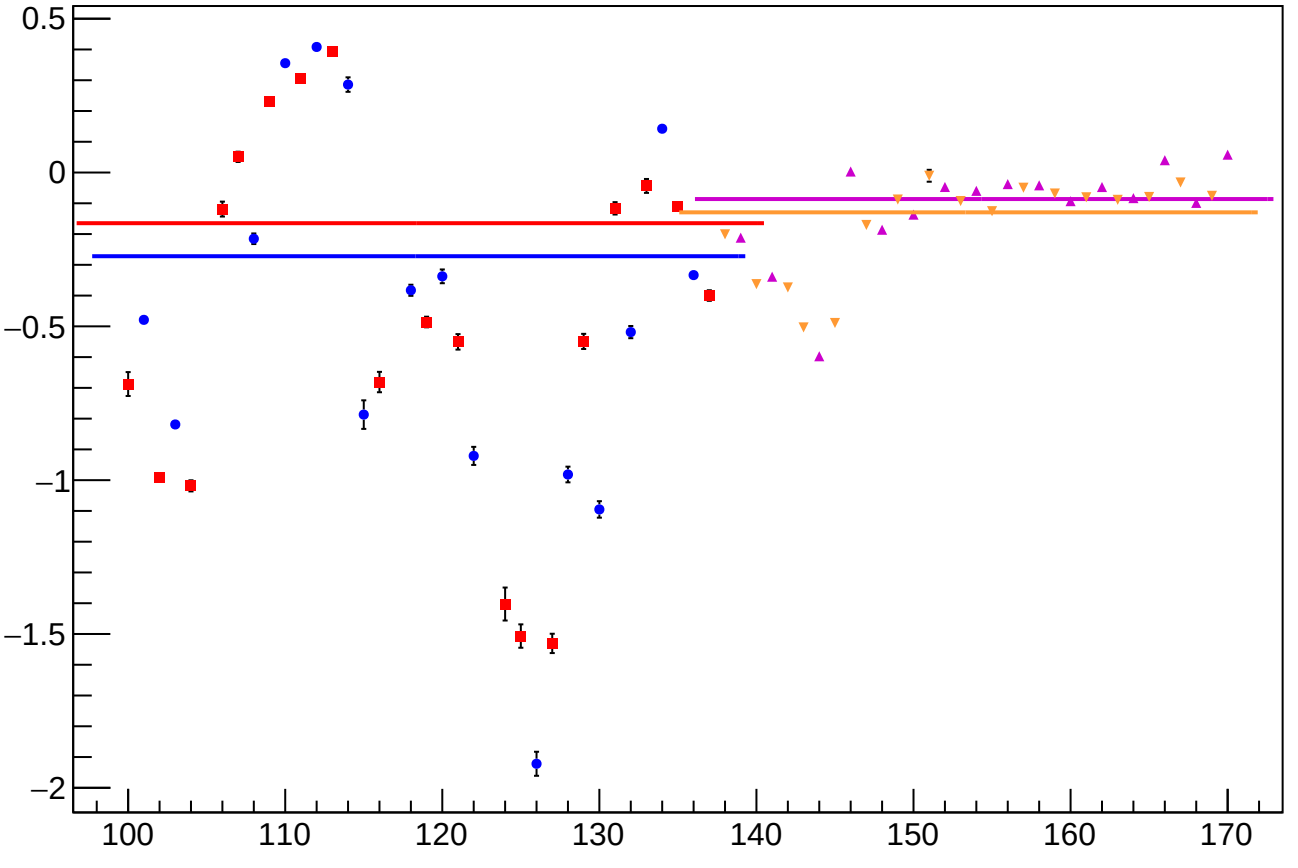
Left: -1.144+/-0.032 χ^2/NDF: 13383.6/32

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.216+/-0.036 χ^2/NDF:11294.4/31

Out: -1.342+/-0.039 χ^2/NDF:9168.0/35

All: -1.274+/-0.027 χ^2/NDF: 20467.9/67



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.129+/-0.002 χ^2/NDF:3202.4/16

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.086+/-0.002 χ^2/NDF:3635.0/15

Left: -0.104+/-0.001 χ^2/NDF: 7070.8/32

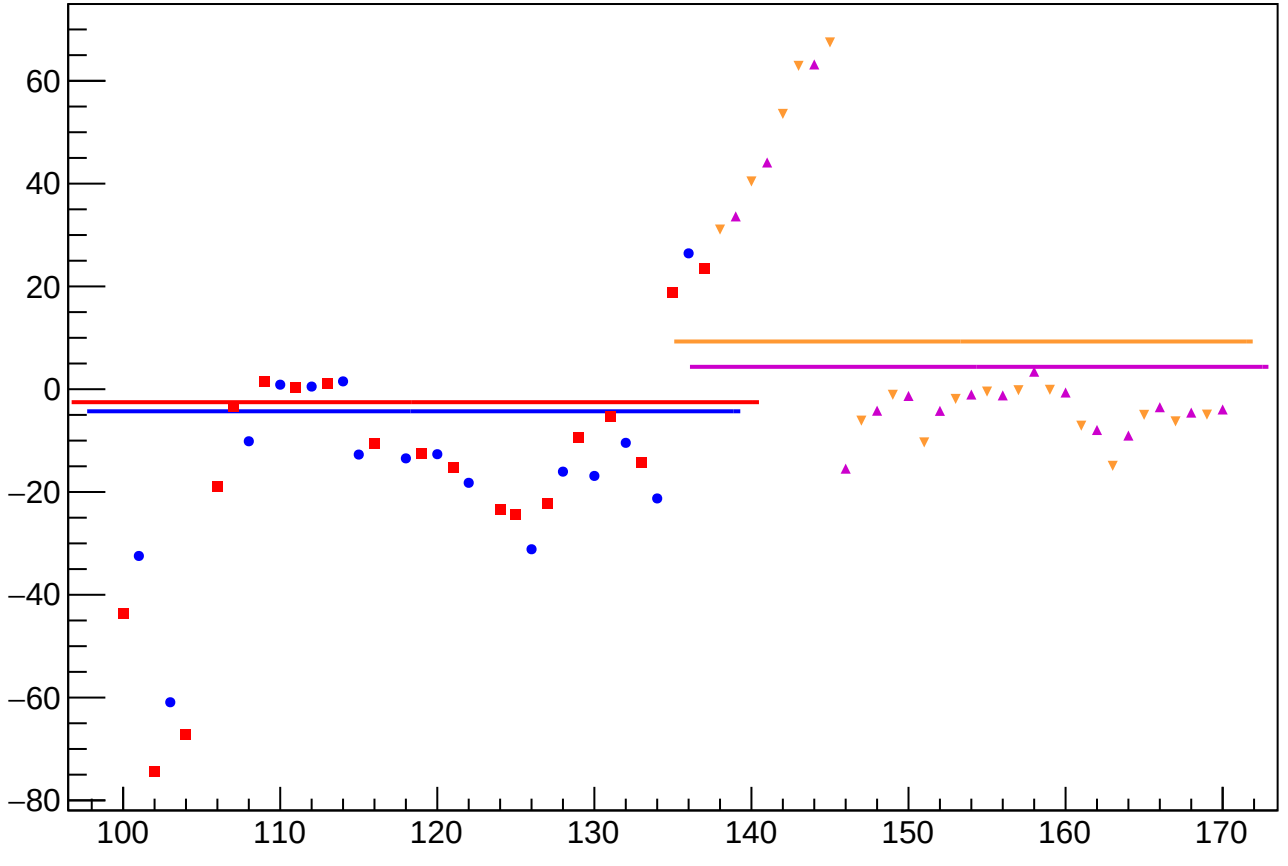
Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.116+/-0.002 χ^2/NDF:17378.2/31

Out: -0.138+/-0.002 χ^2/NDF:18757.7/35

All: -0.126+/-0.001 χ^2/NDF: 36214.3/67

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 9.285+/-0.061 χ^2/NDF:148890.7/16

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 4.355+/-0.054 χ^2/NDF:119634.4/15

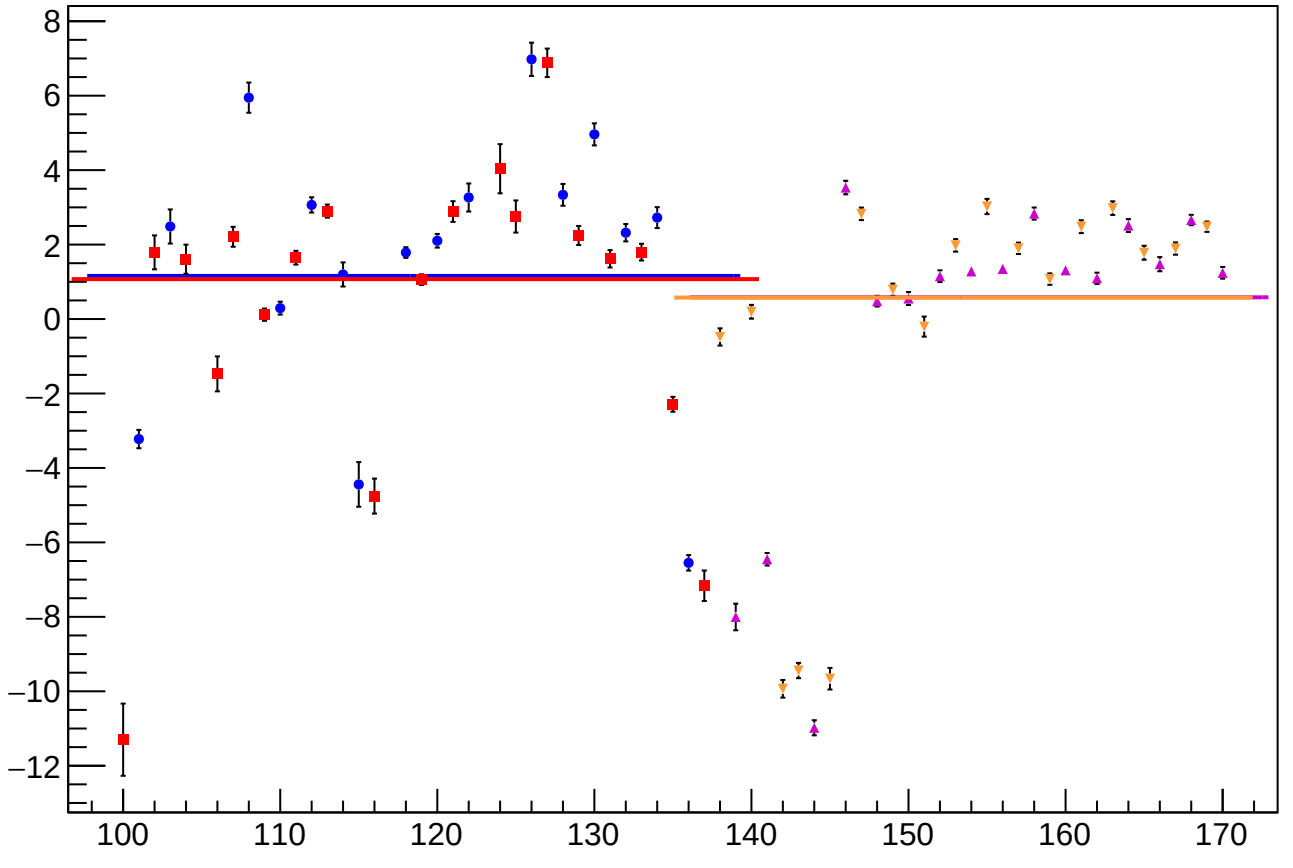
Left: 6.482+/-0.040 χ^2/NDF: 272189.8/32

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.206+/-0.039 χ^2/NDF:206388.6/31

Out: 1.865+/-0.037 χ^2/NDF:252014.9/35

All: 1.061+/-0.027 χ^2/NDF: 459356.0/67



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.577+/-0.044 χ^2/NDF:6671.3/16

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.584+/-0.038 χ^2/NDF:6554.1/15

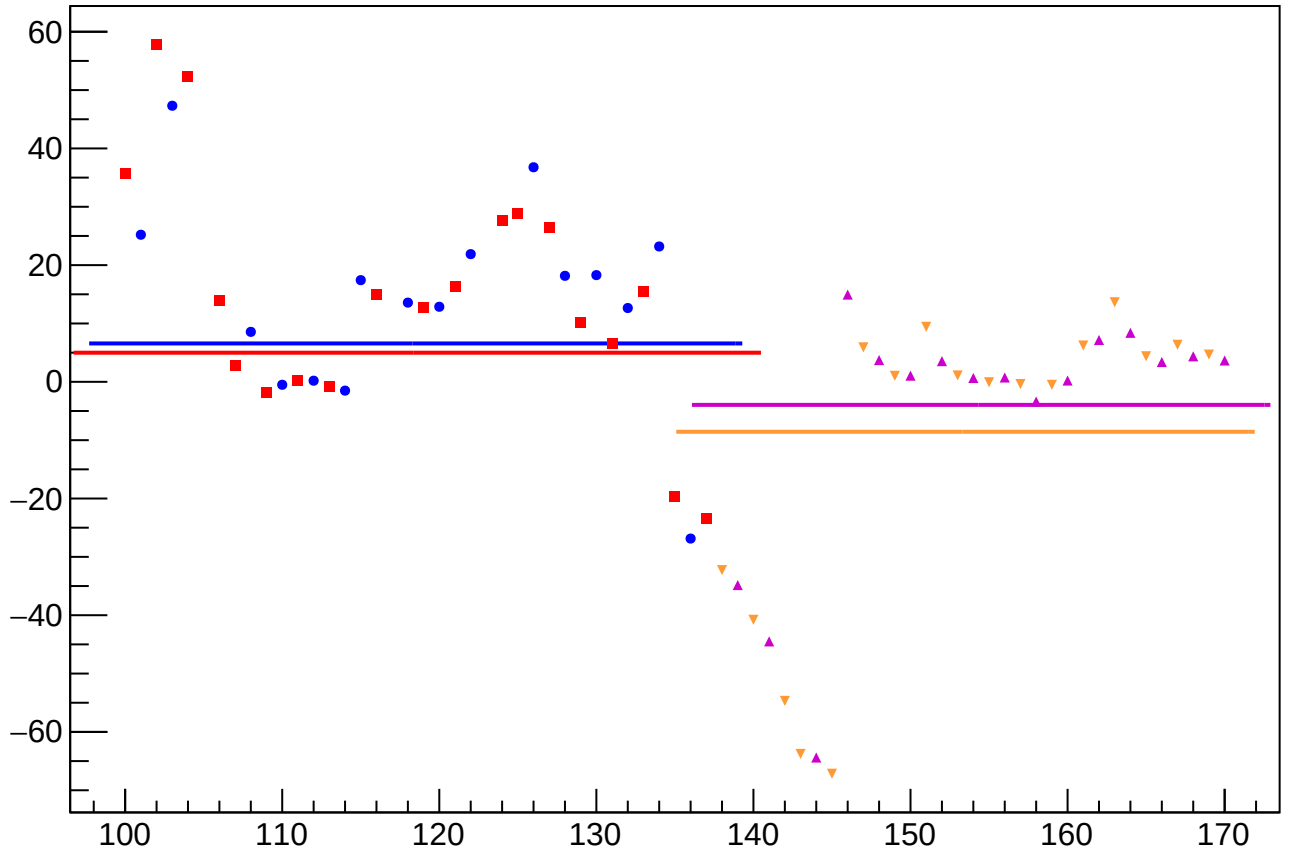
Left: 0.581+/-0.029 χ^2/NDF: 13225.4/32

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.745+/-0.033 χ^2/NDF:9166.6/31

Out: 0.758+/-0.035 χ^2/NDF:8268.4/35

All: 0.751+/-0.024 χ^2/NDF: 17435.1/67



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -8.559+/-0.060 χ^2/NDF:145257.0/16

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -3.952+/-0.052 χ^2/NDF:117253.5/15

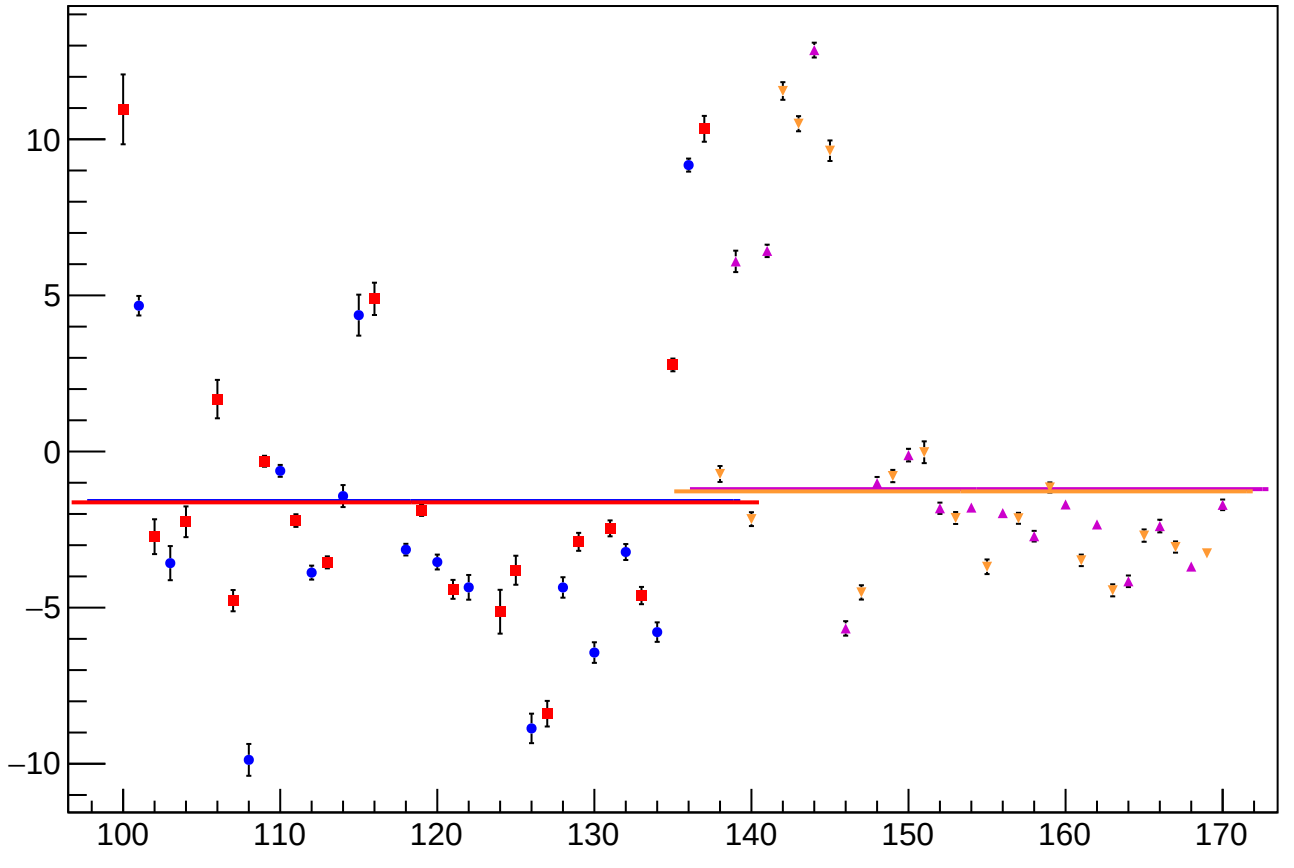
Left: -5.914+/-0.039 χ^2/NDF: 265895.2/32

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

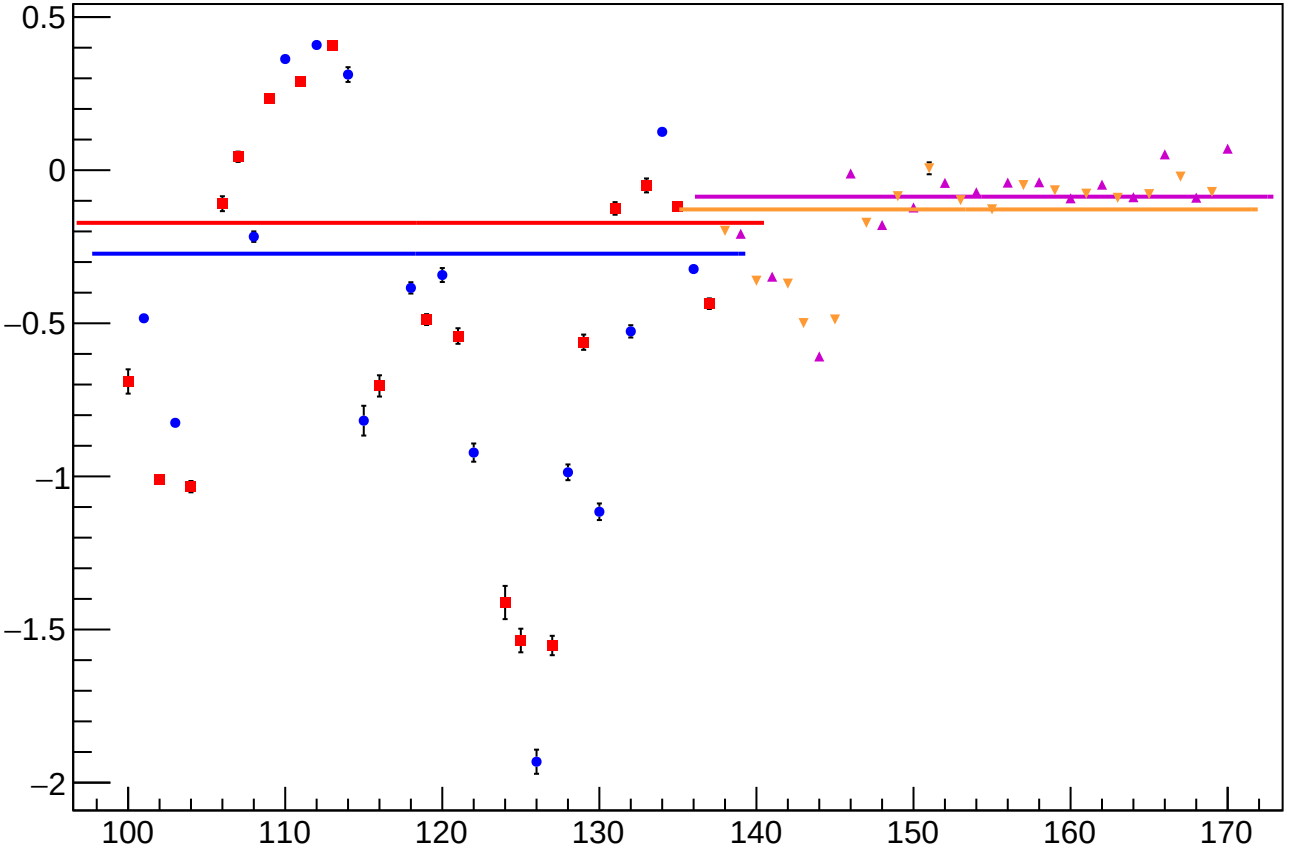
In: 0.021+/-0.041 χ^2/NDF:202647.0/31

Out: -1.831+/-0.043 χ^2/NDF:245045.4/35

All: -0.865+/-0.029 χ^2/NDF: 448679.3/67


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: -1.586+/-0.071 χ²/NDF: 4472.6/15
Left Out: -1.276+/-0.050 χ²/NDF:6629.9/16
Right Out: -1.628+/-0.066 χ²/NDF: 2422.3/18
Left In: -1.205+/-0.044 χ²/NDF:6559.6/15
Left: -1.236+/-0.033 χ²/NDF: 13190.7/32
Right: -1.609+/-0.048 χ²/NDF: 6895.1/34
In: -1.309+/-0.037 χ²/NDF:11053.2/31
Out: -1.406+/-0.040 χ²/NDF:9070.2/35
All: -1.354+/-0.027 χ²/NDF: 20126.6/67

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: -0.128+/-0.002 χ^2/NDF:3155.4/16

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.086+/-0.002 χ^2/NDF:3695.6/15

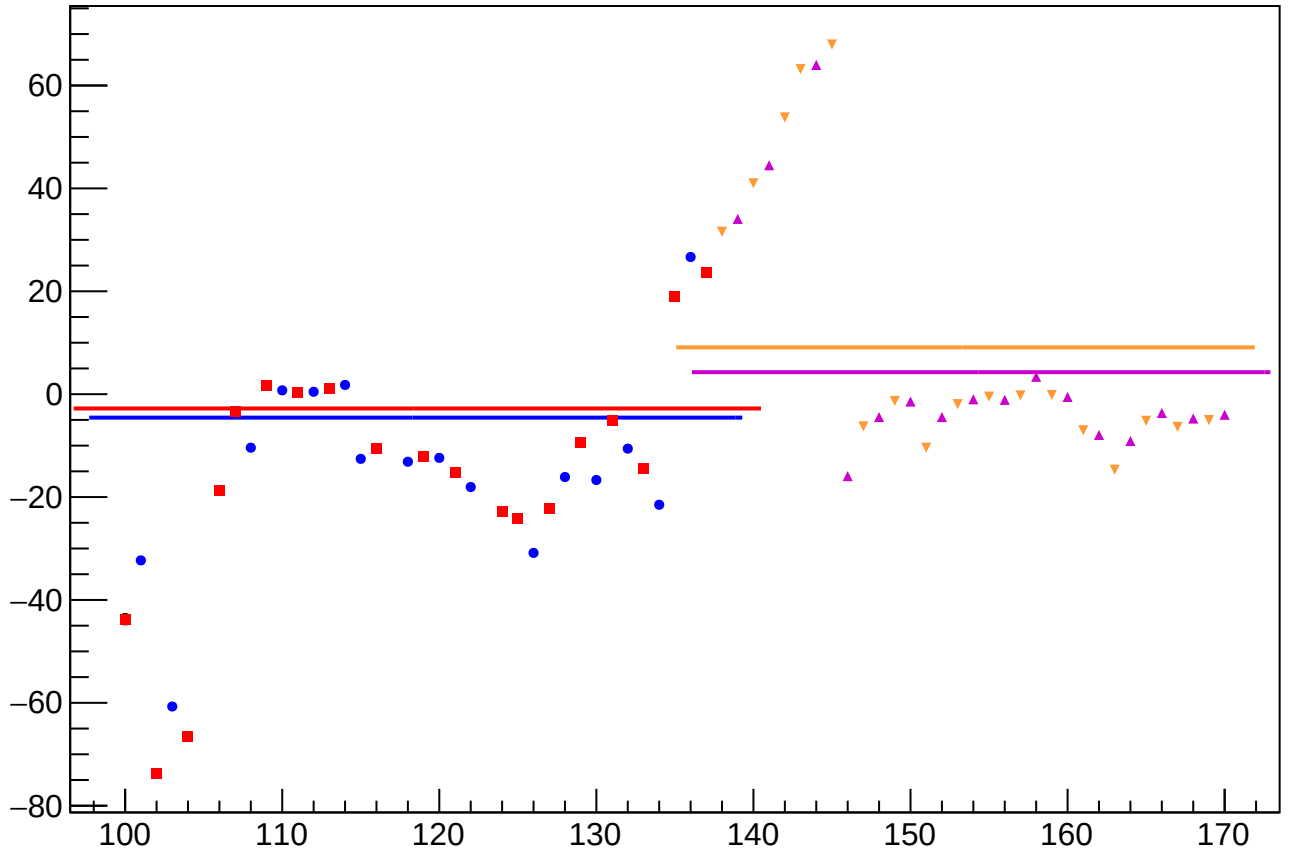
Left: -0.104+/-0.001 χ^2/NDF: 7059.2/32

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.117+/-0.002 χ^2/NDF:17182.7/31

Out: -0.139+/-0.002 χ^2/NDF:18574.6/35

All: -0.126+/-0.001 χ^2/NDF: 35833.4/67



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 9.099+/-0.062 χ^2/NDF:147217.5/16

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 4.275+/-0.054 χ^2/NDF:118384.3/15

Left: 6.365+/-0.041 χ^2/NDF: 269031.9/32

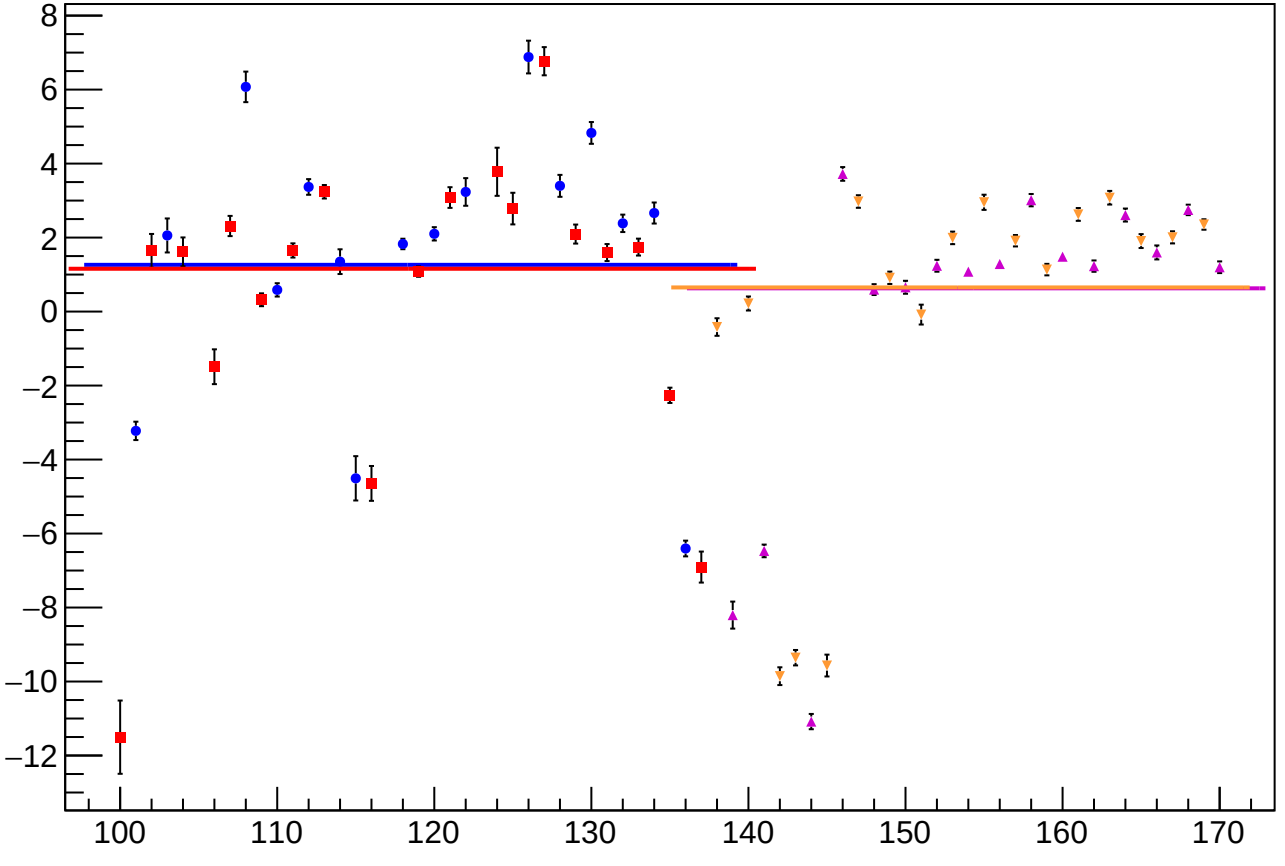
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.064+/-0.039 χ^2/NDF:203668.3/31

Out: 1.730+/-0.038 χ^2/NDF:247887.7/35

All: 0.918+/-0.027 χ^2/NDF: 452481.7/67

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: 0.652+/-0.045 χ^2/NDF:6461.3/16

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.628+/-0.039 χ^2/NDF:6510.7/15

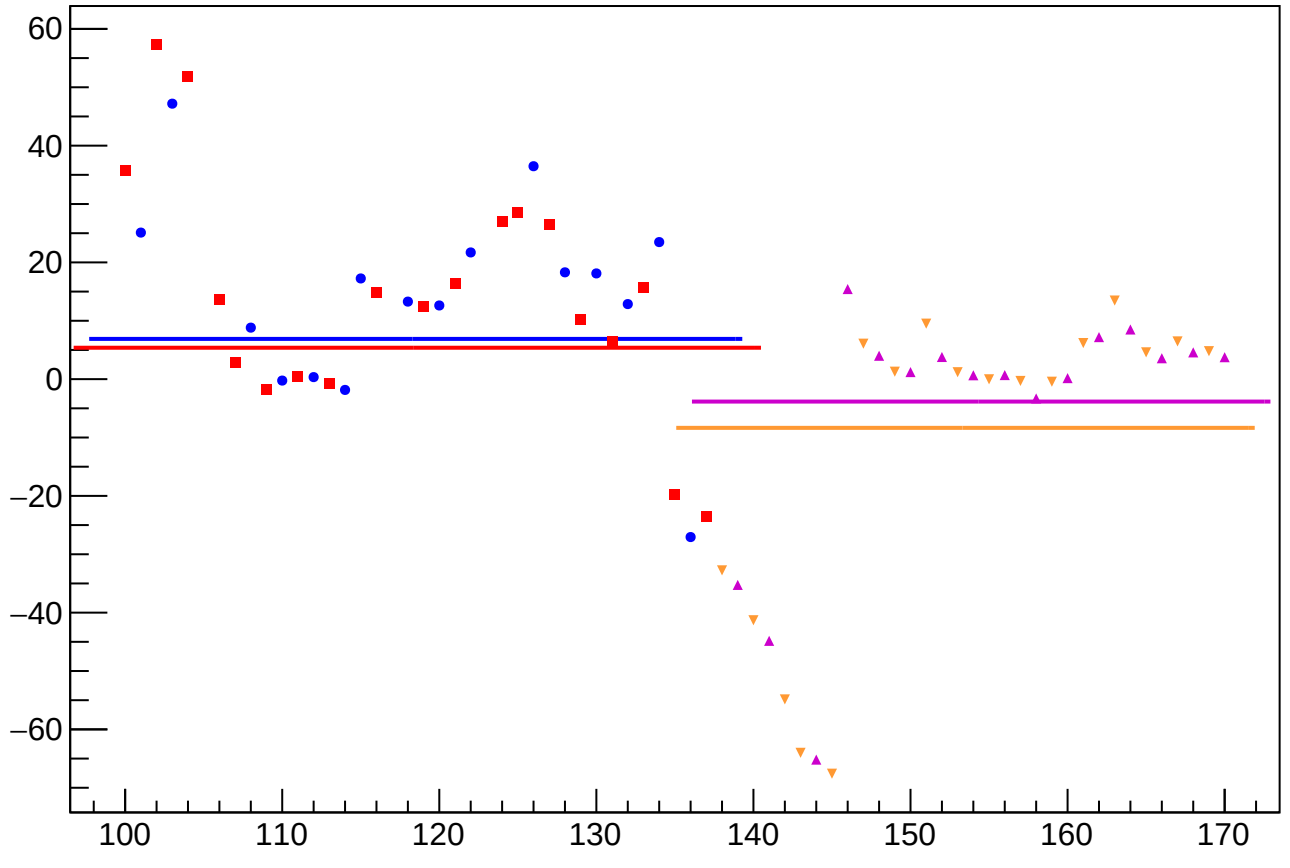
Left: 0.639+/-0.029 χ^2/NDF: 12972.1/32

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.808+/-0.033 χ^2/NDF:9029.6/31

Out: 0.836+/-0.036 χ^2/NDF:7998.2/35

All: 0.821+/-0.024 χ^2/NDF: 17028.1/67



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -8.345+/-0.061 χ^2/NDF:143469.0/16

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -3.842+/-0.052 χ^2/NDF:115976.3/15

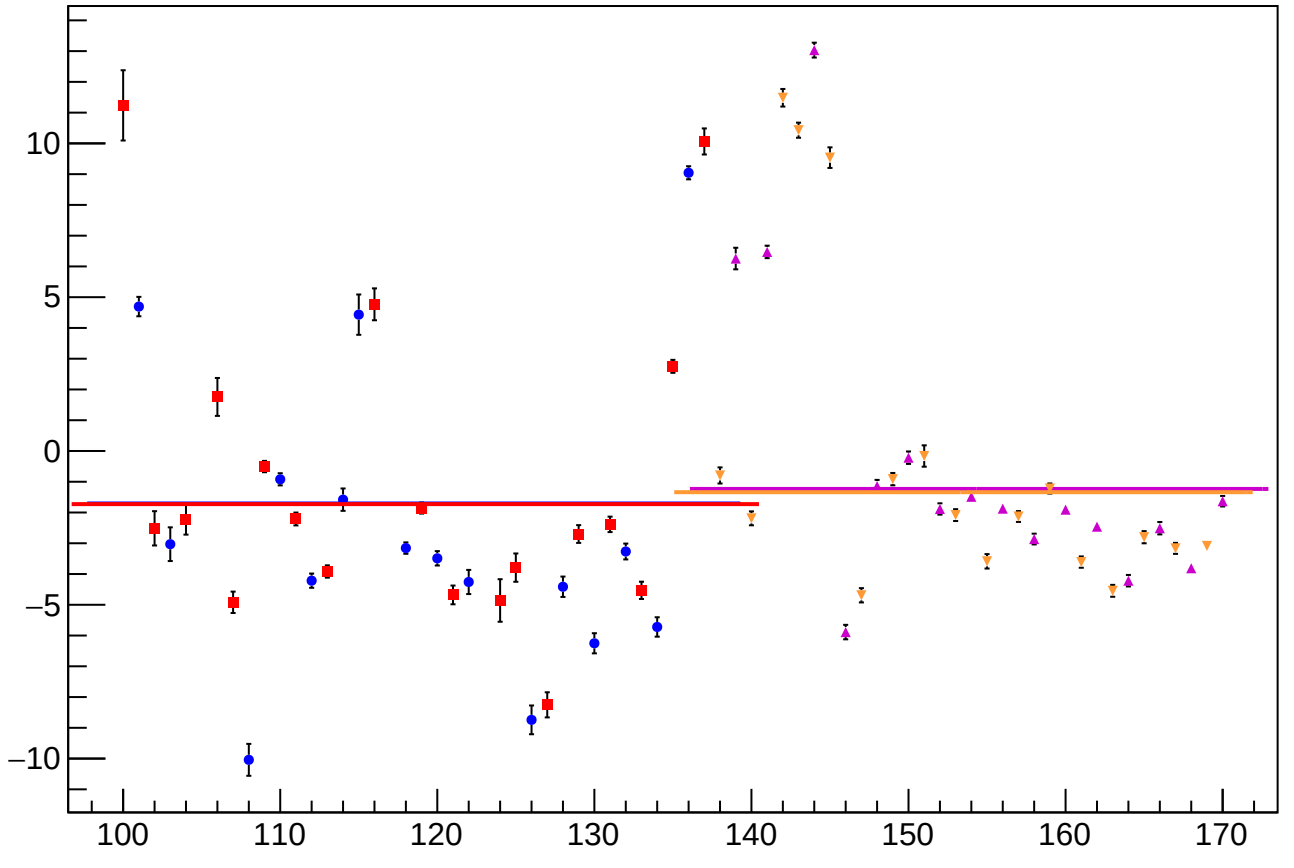
Left: -5.769+/-0.040 χ^2/NDF: 262606.1/32

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.204+/-0.041 χ^2/NDF:199854.6/31

Out: -1.606+/-0.043 χ^2/NDF:240903.3/35

All: -0.661+/-0.030 χ^2/NDF: 441674.0/67



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.340+/-0.051 χ^2/NDF:6432.9/16

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.234+/-0.044 χ^2/NDF:6546.1/15

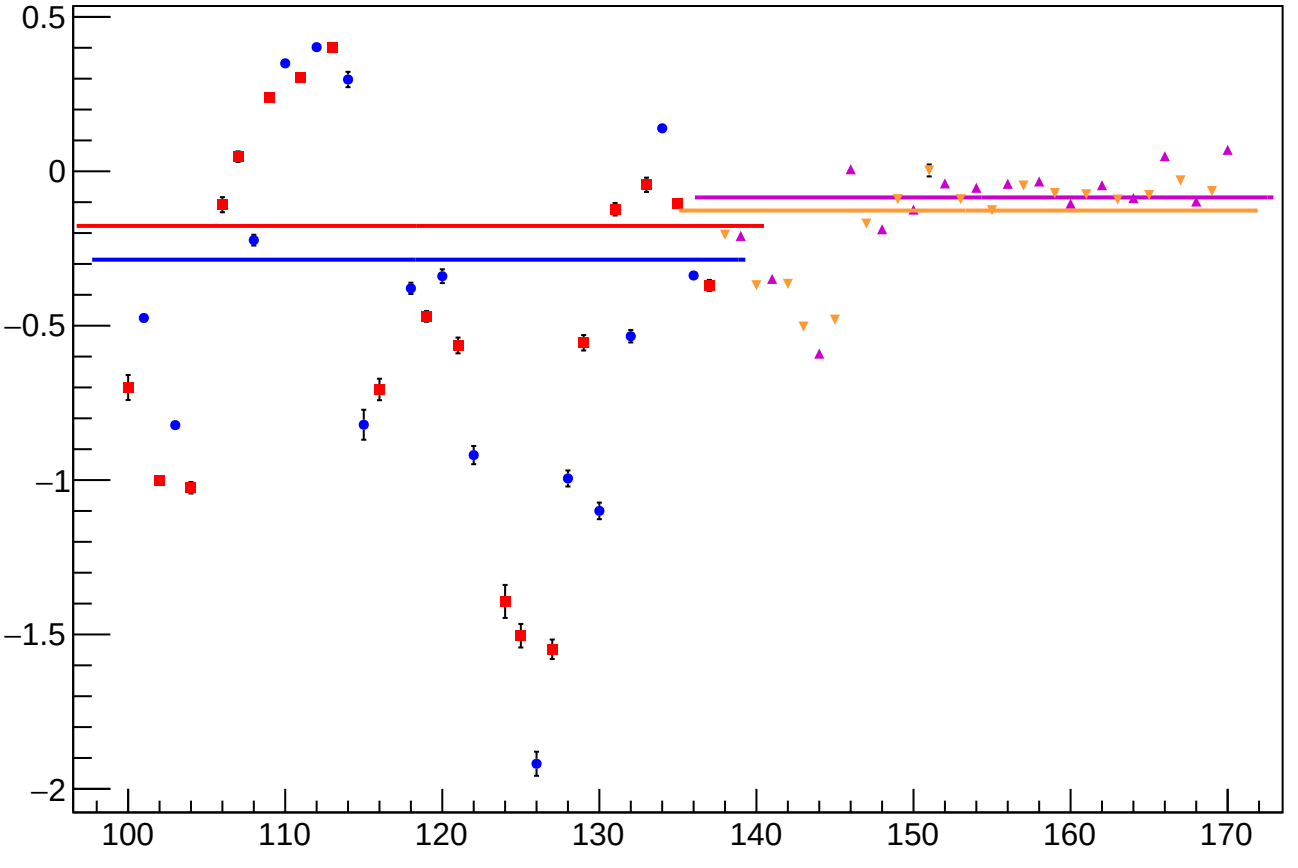
Left: -1.279+/-0.033 χ^2/NDF: 12981.5/32

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.364+/-0.038 χ^2/NDF:10867.7/31

Out: -1.481+/-0.040 χ^2/NDF:8763.8/35

All: -1.418+/-0.027 χ^2/NDF: 19636.0/67



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.127+/-0.002 χ^2/NDF:3096.0/16

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.085+/-0.002 χ^2/NDF:3565.2/15

Left: -0.102+/-0.001 χ^2/NDF: 6873.4/32

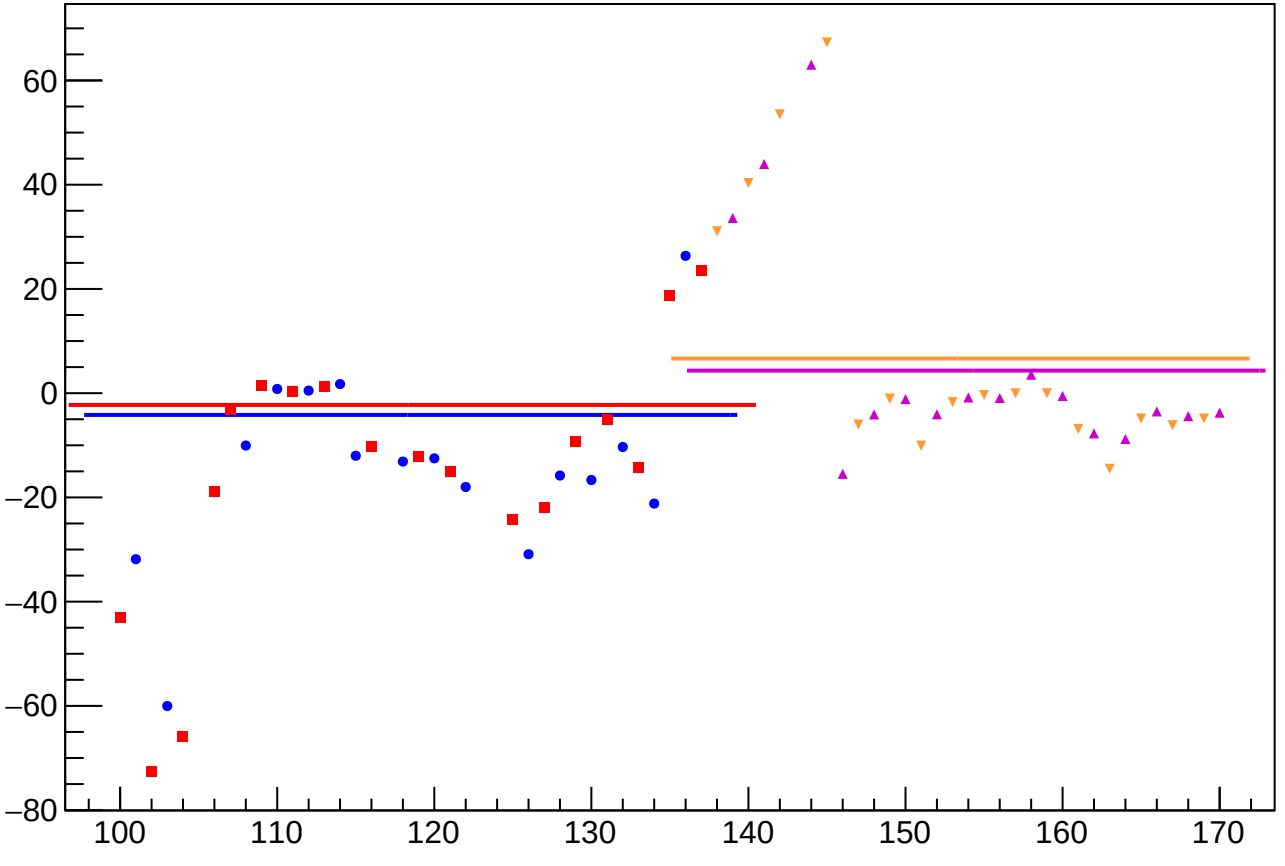
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.117+/-0.002 χ^2/NDF:16786.1/31

Out: -0.139+/-0.002 χ^2/NDF:17984.4/35

All: -0.127+/-0.001 χ^2/NDF: 34842.0/67

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 6.652+/-0.062 χ^2/NDF:113956.1/15

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 4.334+/-0.052 χ^2/NDF:121785.8/15

Left: 5.301+/-0.040 χ^2/NDF: 236564.1/31

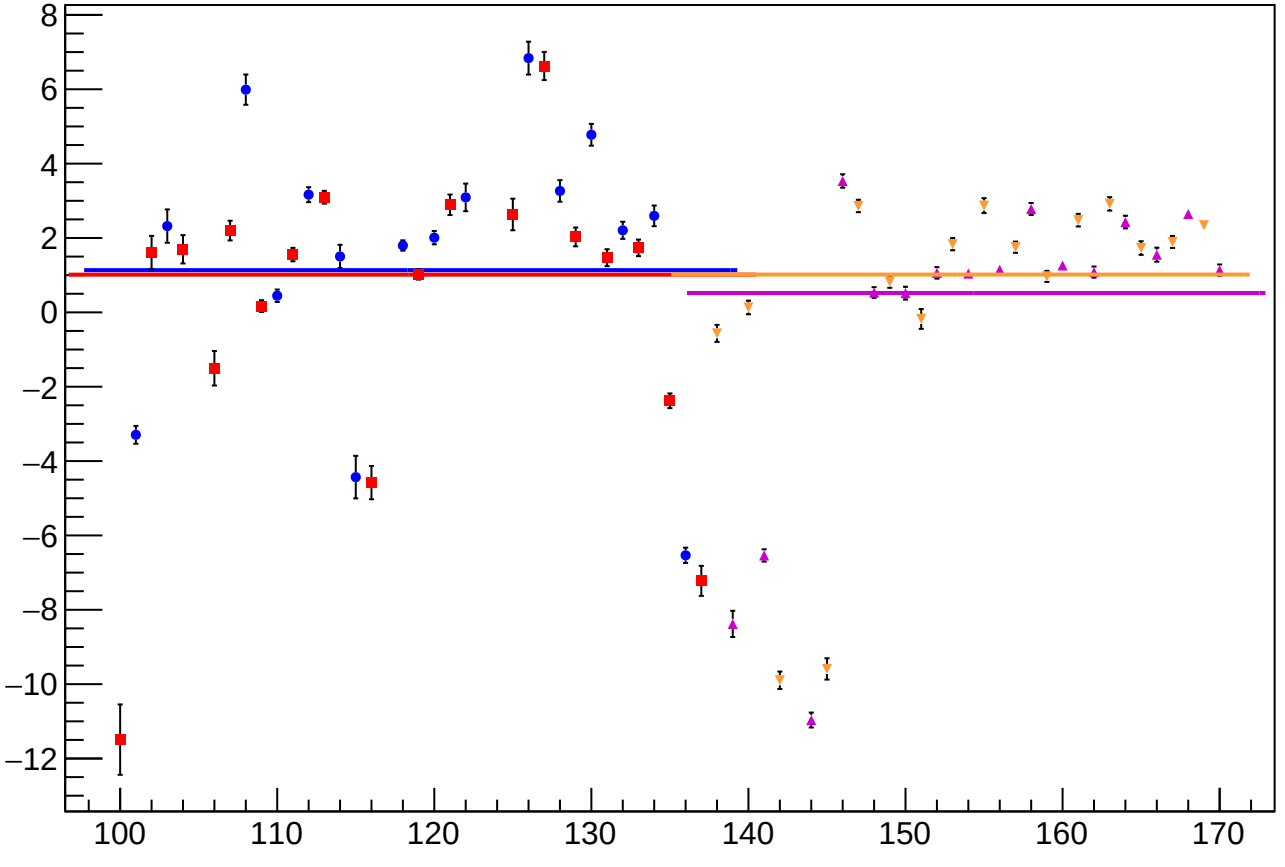
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.257+/-0.038 χ^2/NDF:209892.1/31

Out: 0.926+/-0.037 χ^2/NDF:206983.7/33

All: 0.599+/-0.026 χ^2/NDF: 417036.7/65

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: 1.016+/-0.044 χ^2/NDF:4203.3/15

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.521+/-0.038 χ^2/NDF:6734.2/15

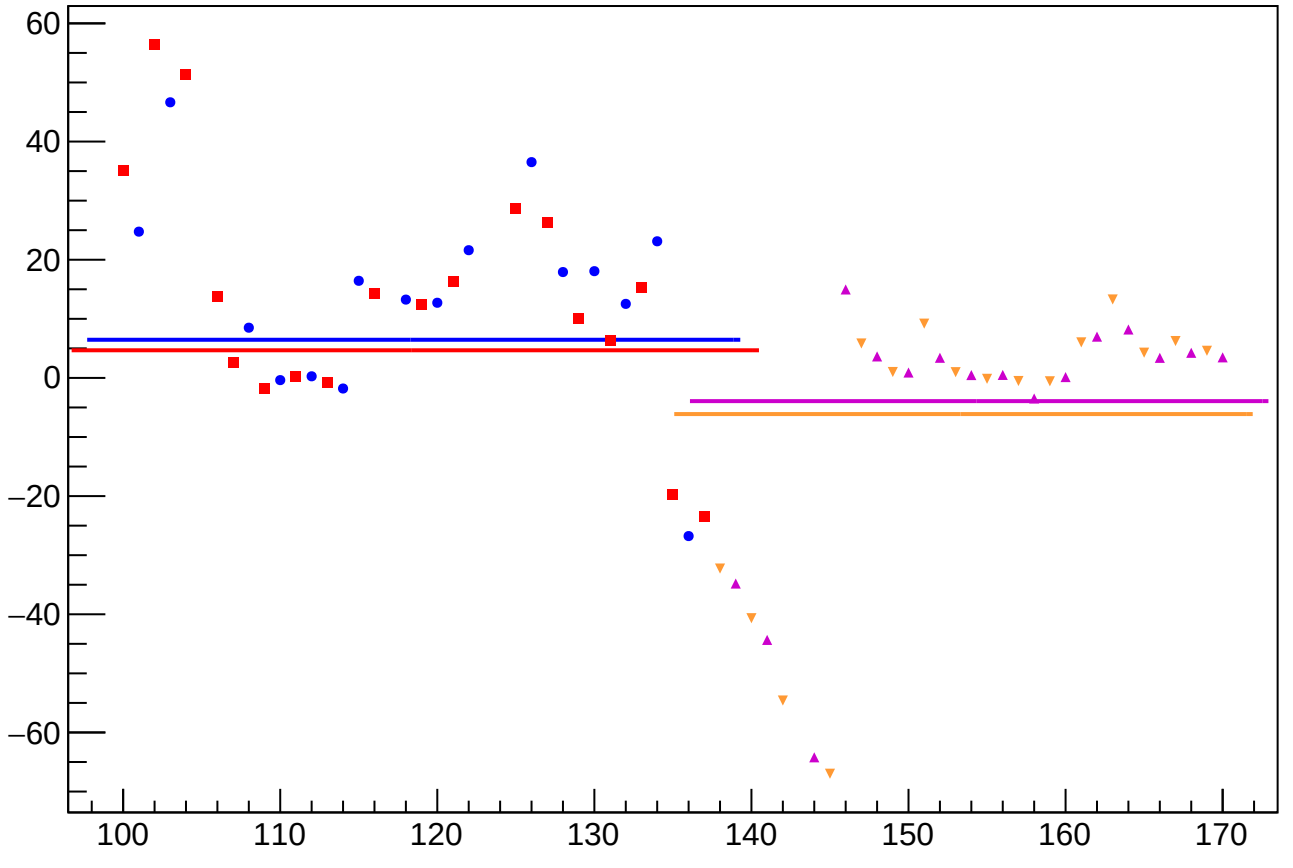
Left: 0.727+/-0.029 χ^2/NDF: 11010.0/31

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.693+/-0.032 χ^2/NDF:9405.0/31

Out: 1.016+/-0.035 χ^2/NDF:5796.3/33

All: 0.838+/-0.024 χ^2/NDF: 15247.6/65



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -6.117+/-0.060 χ^2/NDF:110341.6/15

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.927+/-0.050 χ^2/NDF:119370.7/15

Left: -4.831+/-0.039 χ^2/NDF: 230491.2/31

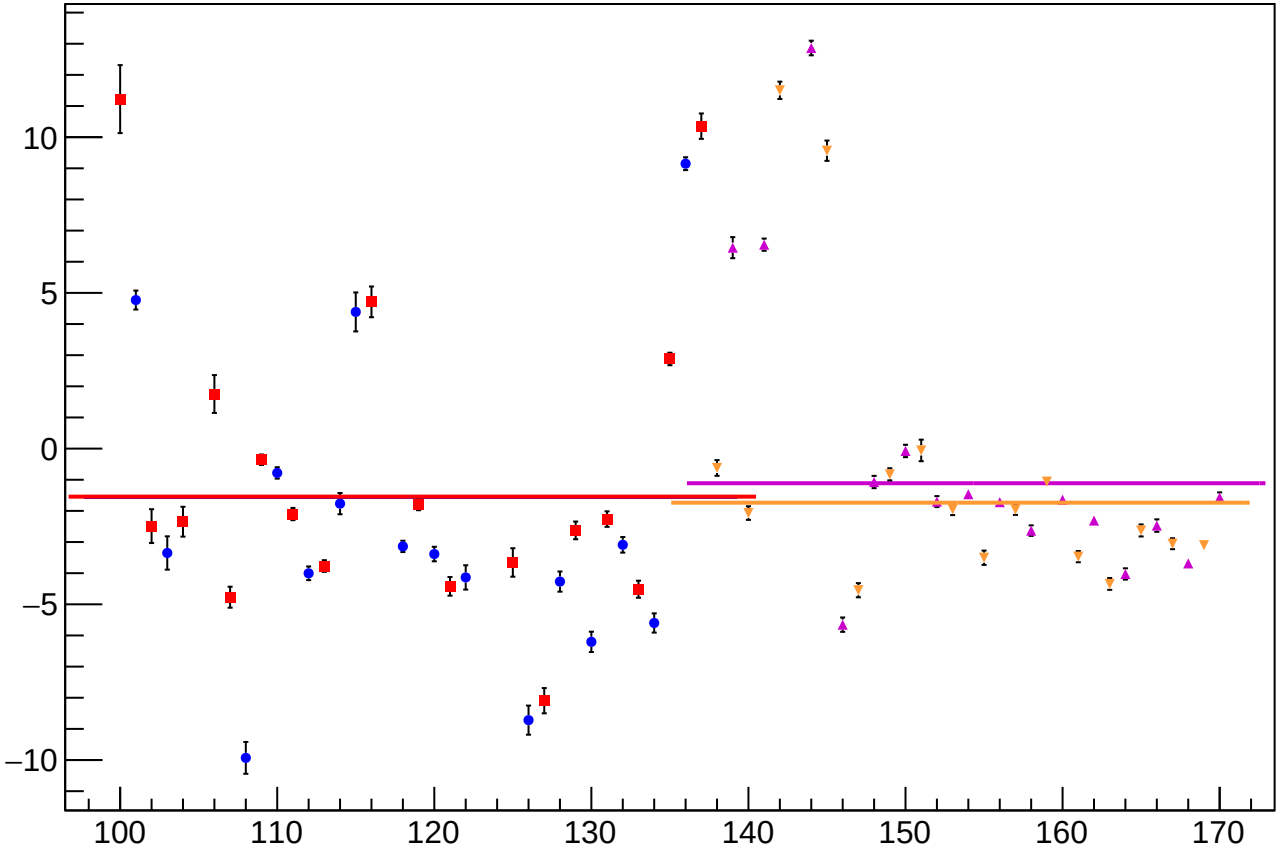
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.023+/-0.040 χ^2/NDF:206111.5/31

Out: -0.625+/-0.042 χ^2/NDF:201148.0/33

All: -0.307+/-0.029 χ^2/NDF: 407367.4/65

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.736+/-0.050 χ^2/NDF:4189.4/15

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.112+/-0.042 χ^2/NDF:6748.5/15

Left: -1.371+/-0.032 χ^2/NDF: 11027.9/31

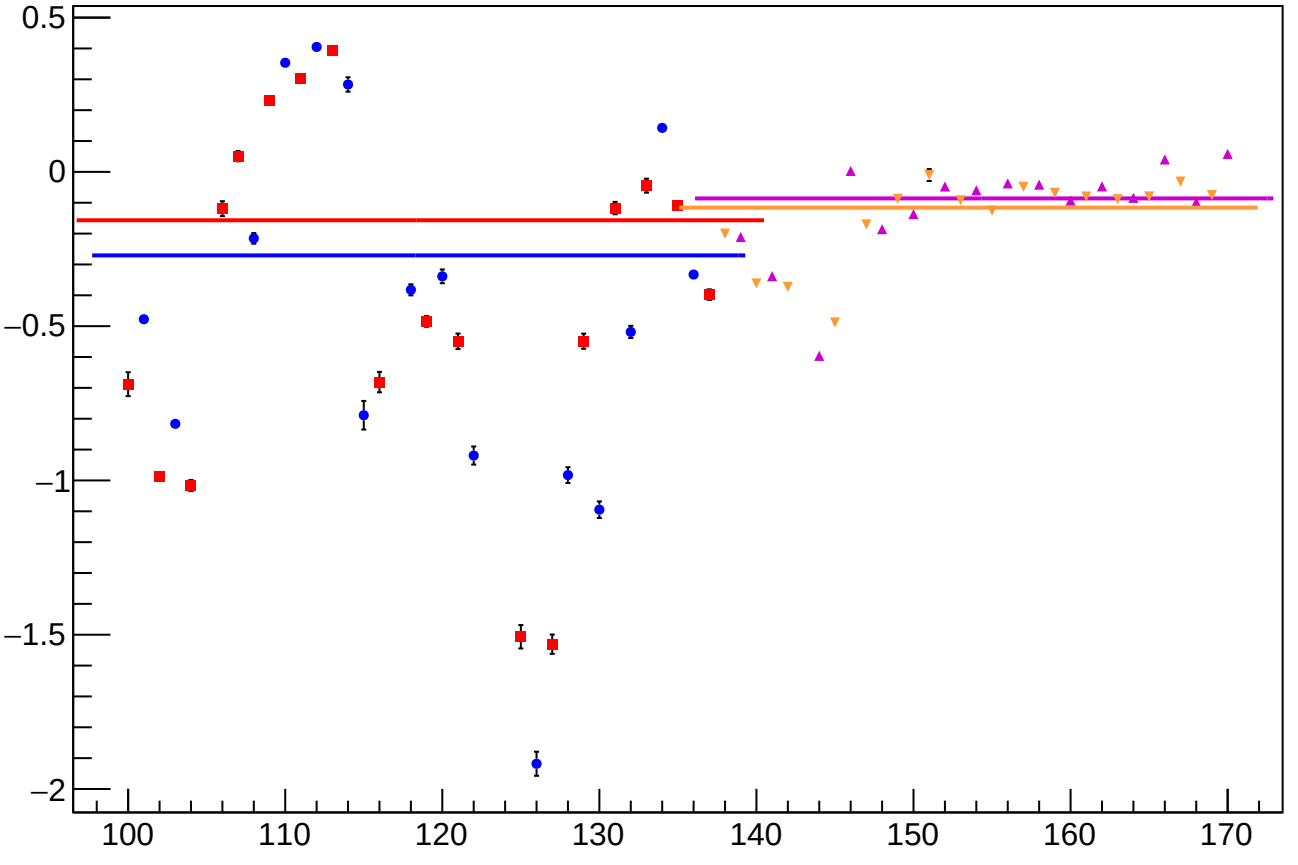
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.232+/-0.036 χ^2/NDF:11321.4/31

Out: -1.663+/-0.040 χ^2/NDF:6668.0/33

All: -1.428+/-0.027 χ^2/NDF: 18053.9/65

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: -0.116+/-0.002 χ^2/NDF:2180.8/15

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.086+/-0.002 χ^2/NDF:3644.6/15

Left: -0.098+/-0.001 χ^2/NDF: 5935.7/31

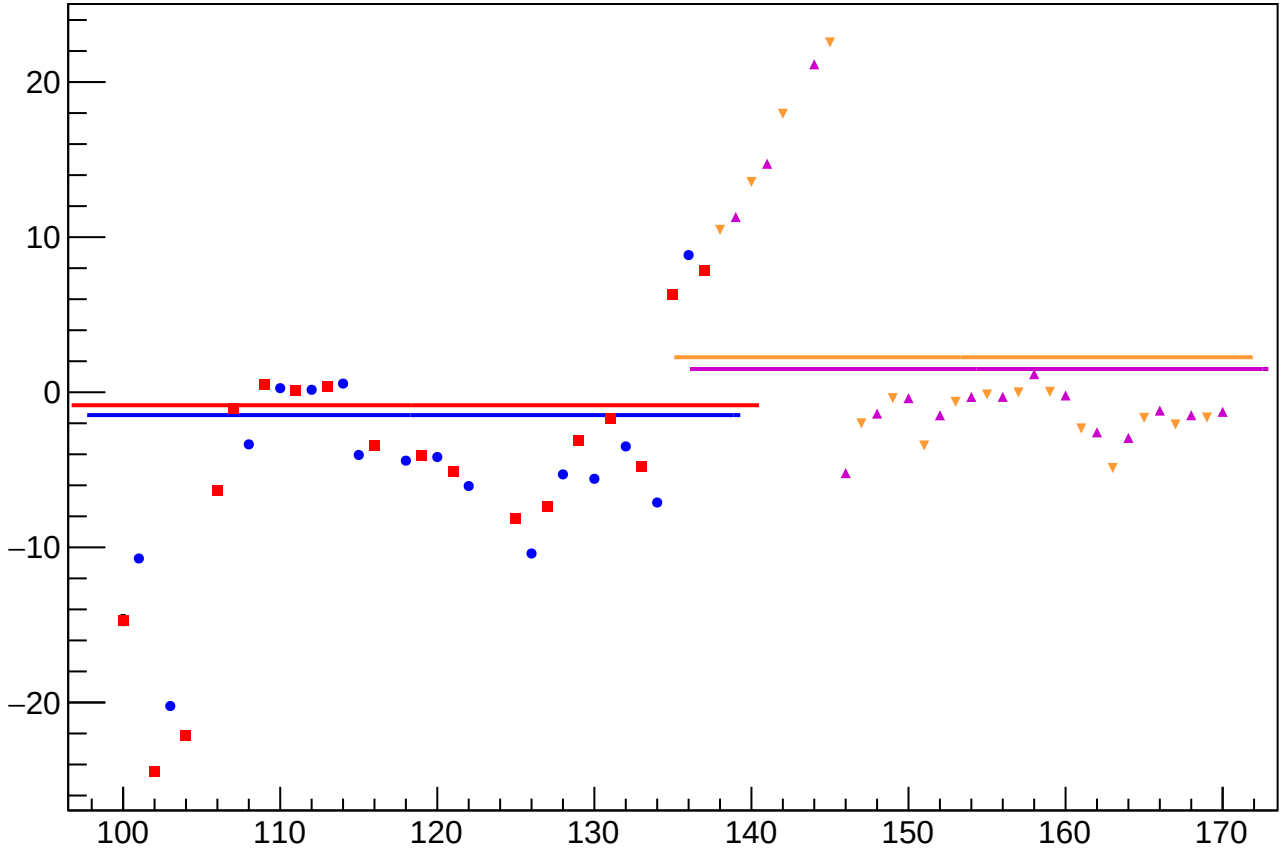
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.115+/-0.002 χ^2/NDF:17413.3/31

Out: -0.126+/-0.002 χ^2/NDF:17286.8/33

All: -0.120+/-0.001 χ^2/NDF: 34718.4/65

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 2.258+/-0.021 χ^2/NDF:111957.6/15

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.500+/-0.018 χ^2/NDF:119170.0/15

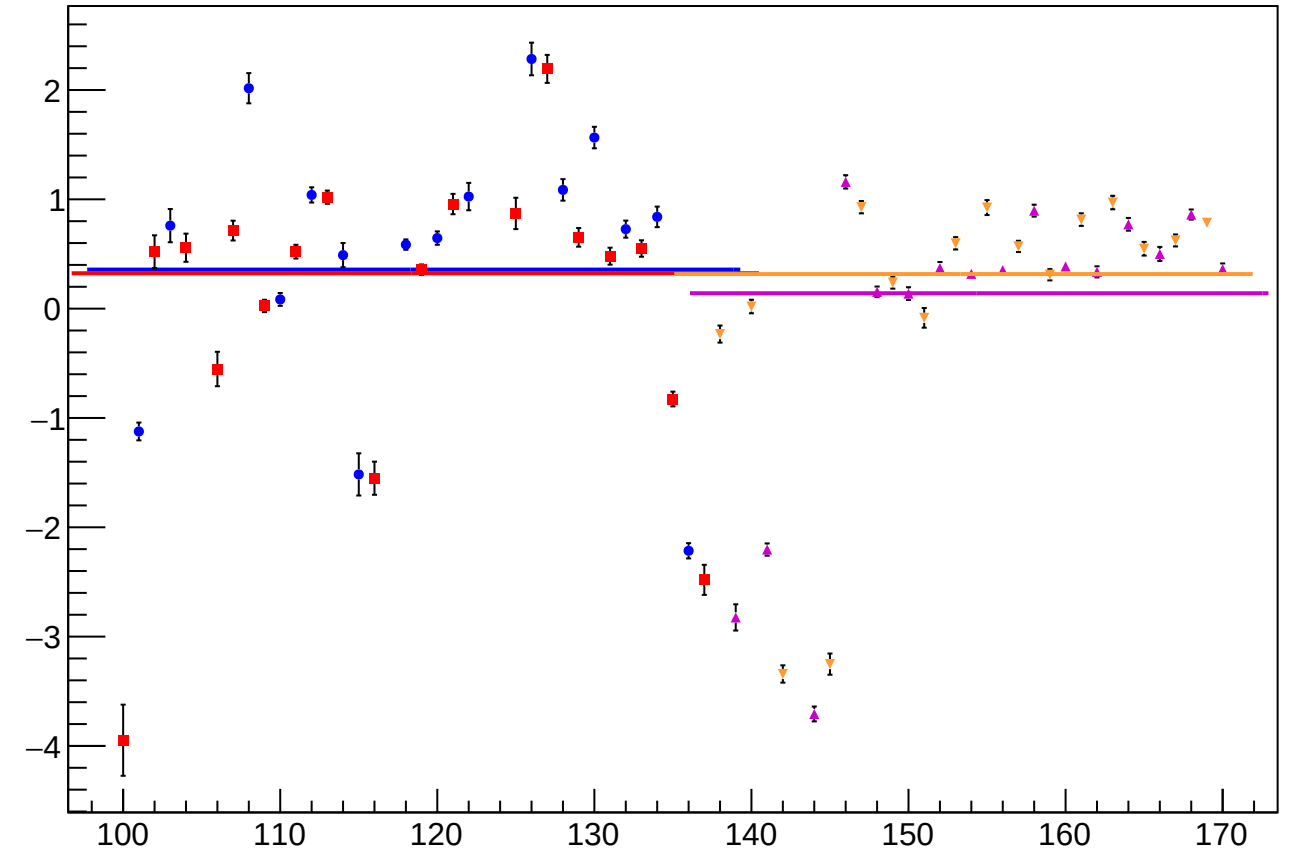
Left: 1.819+/-0.014 χ^2/NDF: 231878.6/31

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.077+/-0.013 χ^2/NDF:206028.5/31

Out: 0.298+/-0.013 χ^2/NDF:203666.0/33

All: 0.190+/-0.009 χ^2/NDF: 409842.4/65



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.316+/-0.015 χ^2/NDF:4160.7/15

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.141+/-0.013 χ^2/NDF:6565.8/15

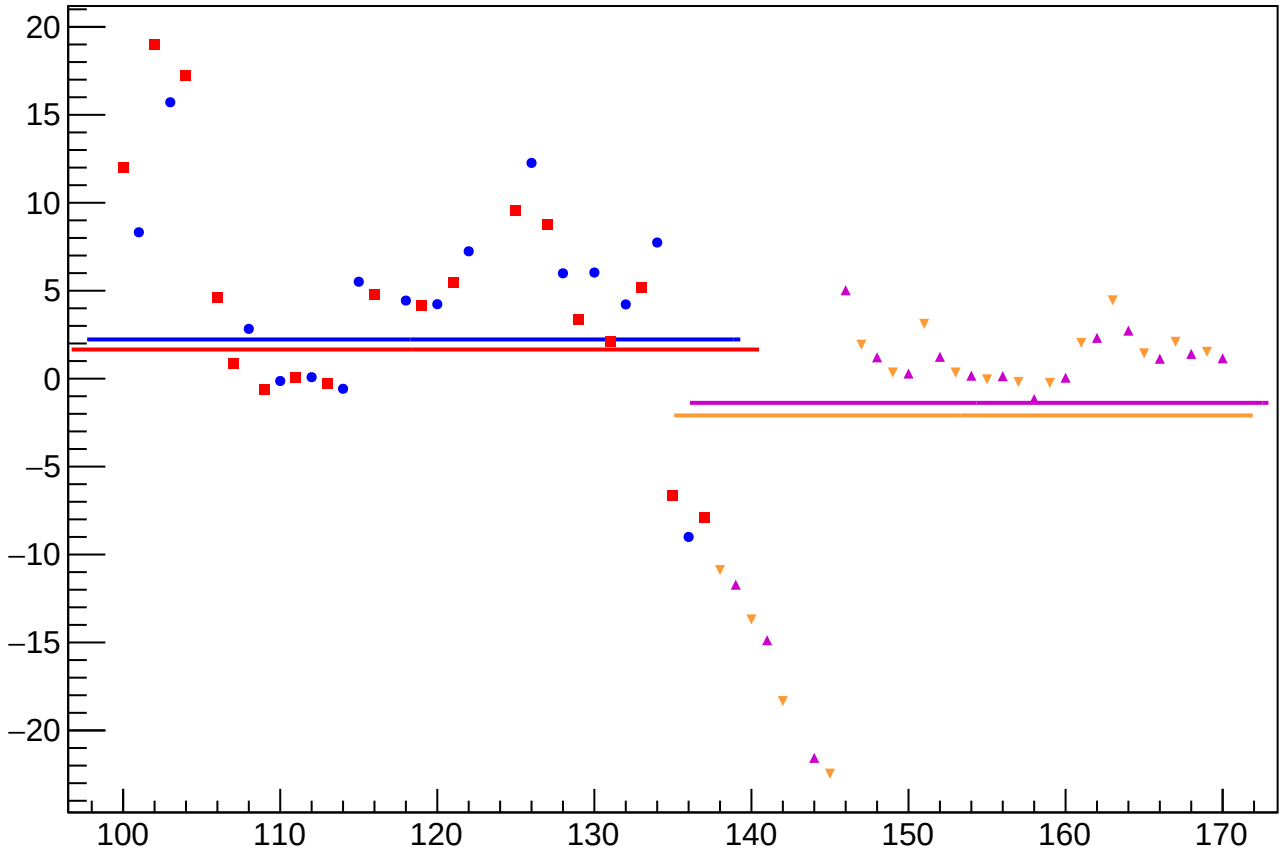
Left: 0.215+/-0.010 χ^2/NDF: 10804.0/31

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.202+/-0.011 χ^2/NDF:9188.1/31

Out: 0.319+/-0.012 χ^2/NDF:5719.7/33

All: 0.255+/-0.008 χ^2/NDF: 14959.7/65



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.091+/-0.021 χ^2/NDF:108428.1/15

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.375+/-0.017 χ^2/NDF:116868.2/15

Left: -1.673+/-0.013 χ^2/NDF: 226006.4/31

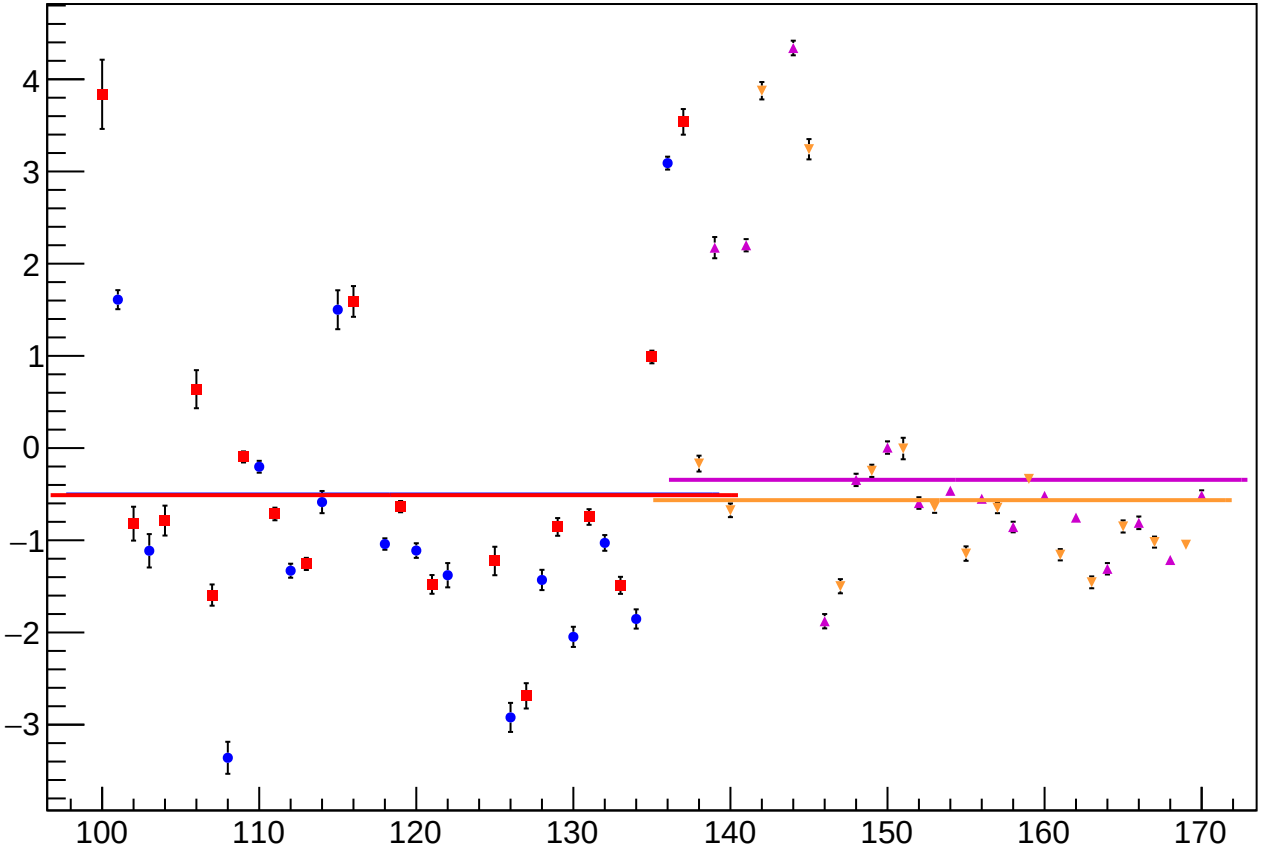
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.014+/-0.014 χ^2/NDF:202371.9/31

Out: -0.210+/-0.014 χ^2/NDF:197960.5/33

All: -0.106+/-0.010 χ^2/NDF: 400429.8/65

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: -0.565+/-0.017 χ^2/NDF:4150.2/15

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.344+/-0.015 χ^2/NDF:6588.6/15

Left: -0.437+/-0.011 χ^2/NDF: 10834.6/31

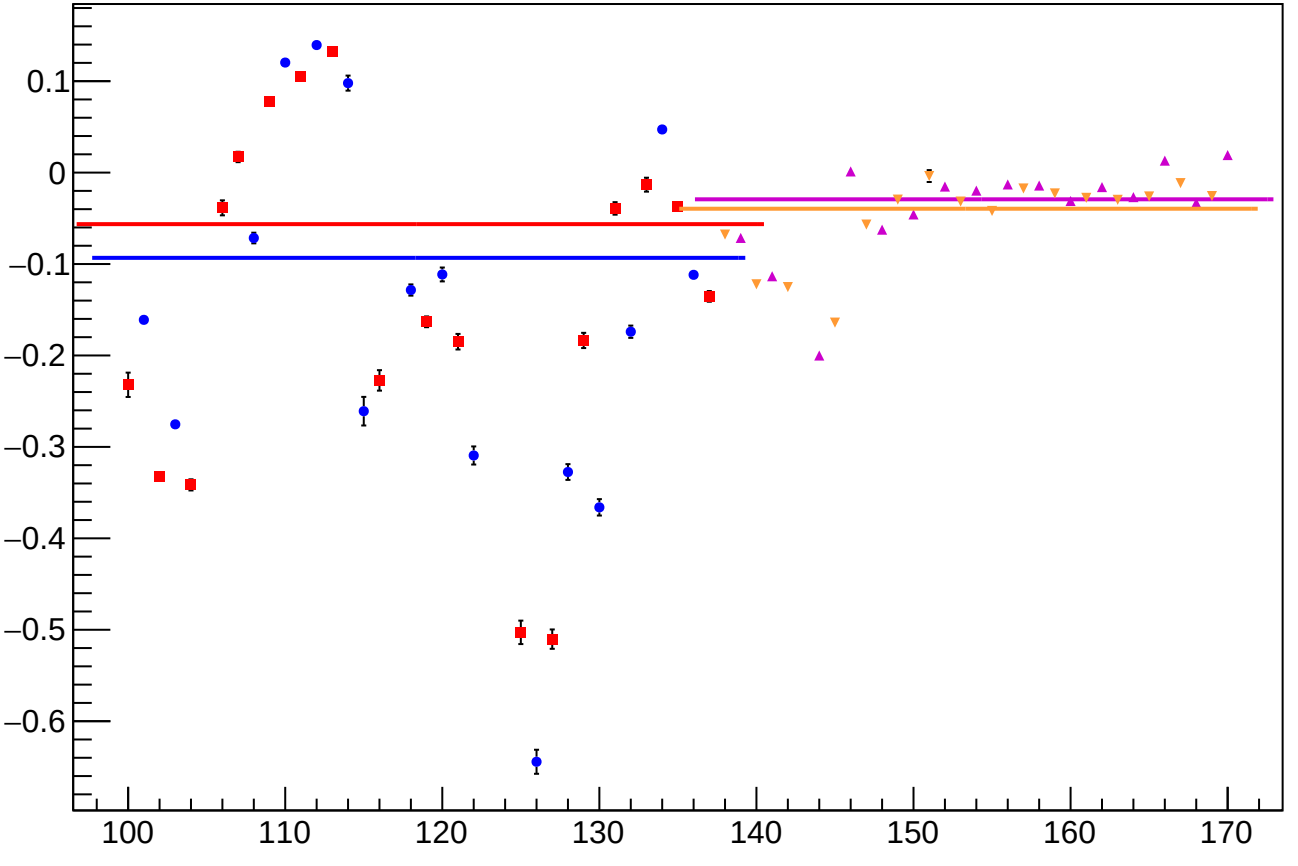
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.388+/-0.012 χ^2/NDF:11068.6/31

Out: -0.545+/-0.014 χ^2/NDF:6578.0/33

All: -0.459+/-0.009 χ^2/NDF: 17718.7/65

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: -0.040+/-0.001 χ^2/NDF:2134.5/15

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.029+/-0.001 χ^2/NDF:3558.9/15

Left: -0.033+/-0.000 χ^2/NDF: 5804.8/31

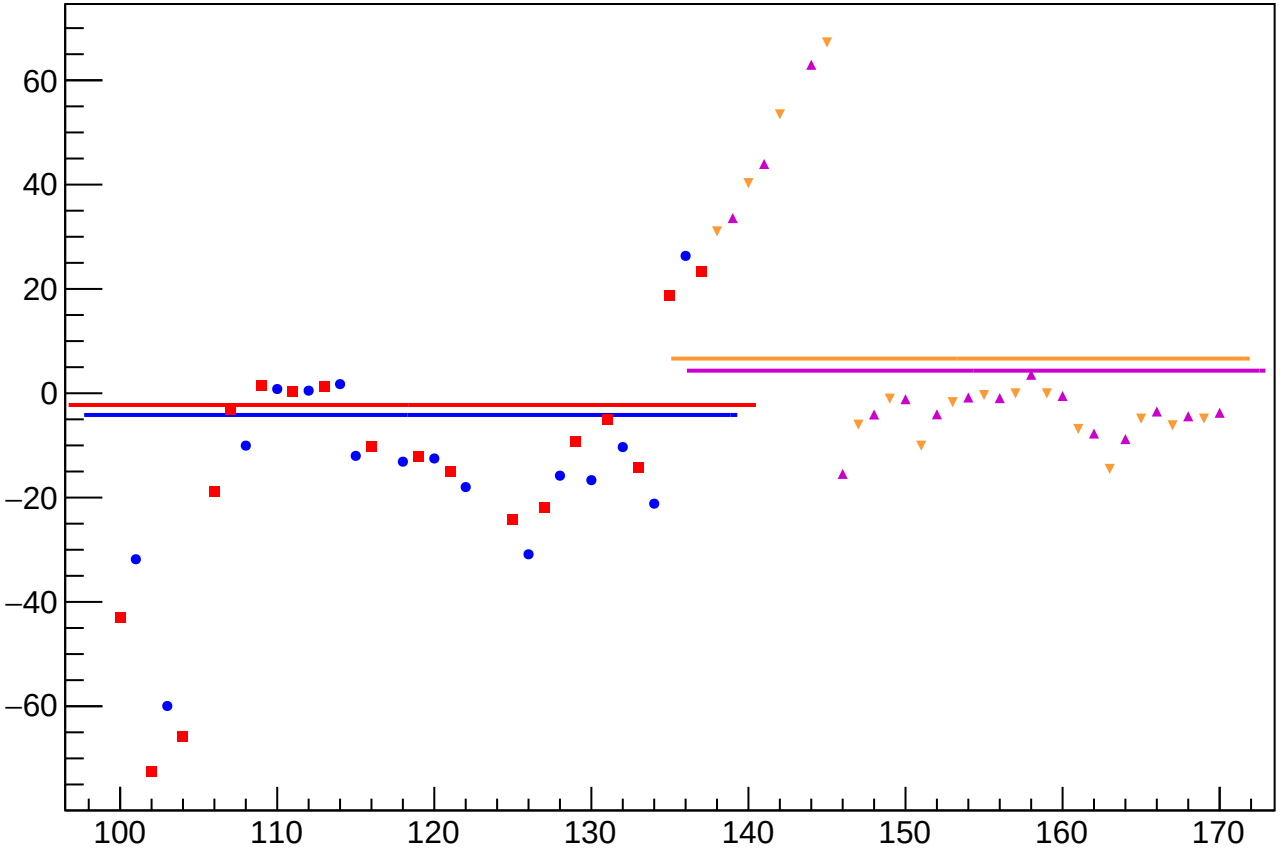
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.040+/-0.001 χ^2/NDF:17018.8/31

Out: -0.044+/-0.001 χ^2/NDF:16716.8/33

All: -0.041+/-0.000 χ^2/NDF: 33758.5/65

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 6.650+/-0.062 χ^2/NDF:113941.2/15

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 4.332+/-0.052 χ^2/NDF:121802.0/15

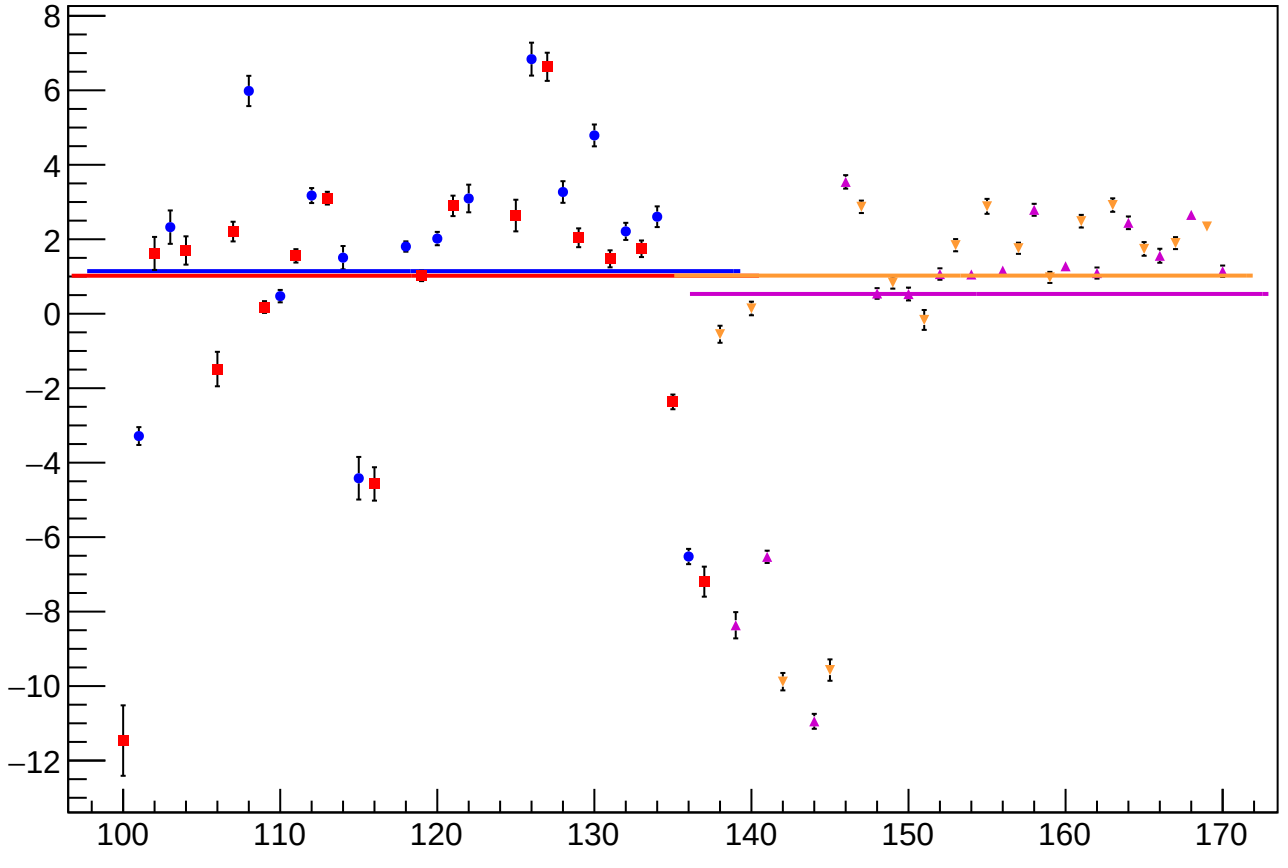
Left: 5.300+/-0.040 χ^2/NDF: 236566.5/31

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.261+/-0.038 χ^2/NDF:209916.1/31

Out: 0.929+/-0.037 χ^2/NDF:206976.7/33

All: 0.602+/-0.026 χ^2/NDF: 417053.4/65



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.024+/-0.044 χ^2/NDF:4200.8/15

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.531+/-0.037 χ^2/NDF:6739.7/15

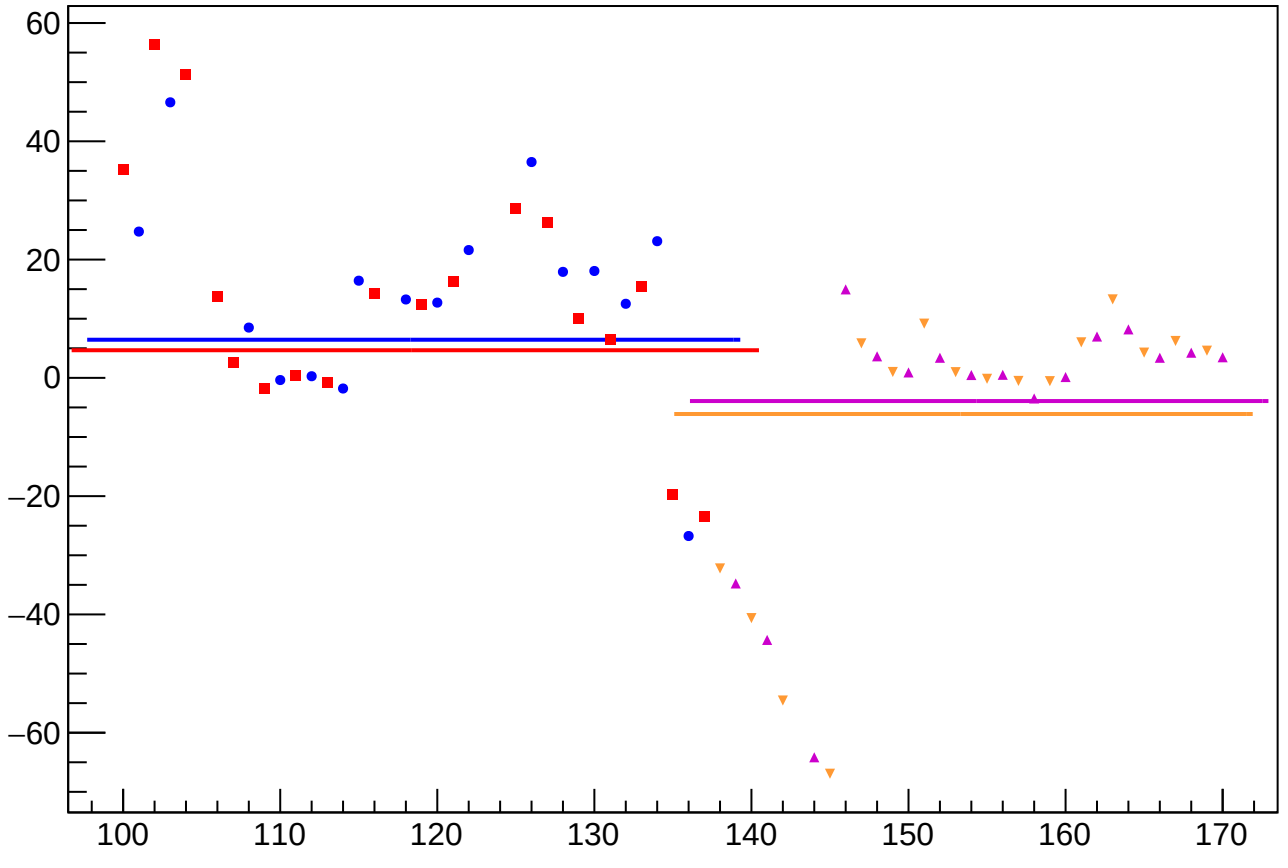
Left: 0.736+/-0.029 χ^2/NDF: 11012.3/31

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.703+/-0.032 χ^2/NDF:9409.9/31

Out: 1.023+/-0.035 χ^2/NDF:5792.0/33

All: 0.847+/-0.024 χ^2/NDF: 15247.5/65



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -6.111+/-0.060 χ^2/NDF:110325.7/15

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.920+/-0.050 χ^2/NDF:119384.4/15

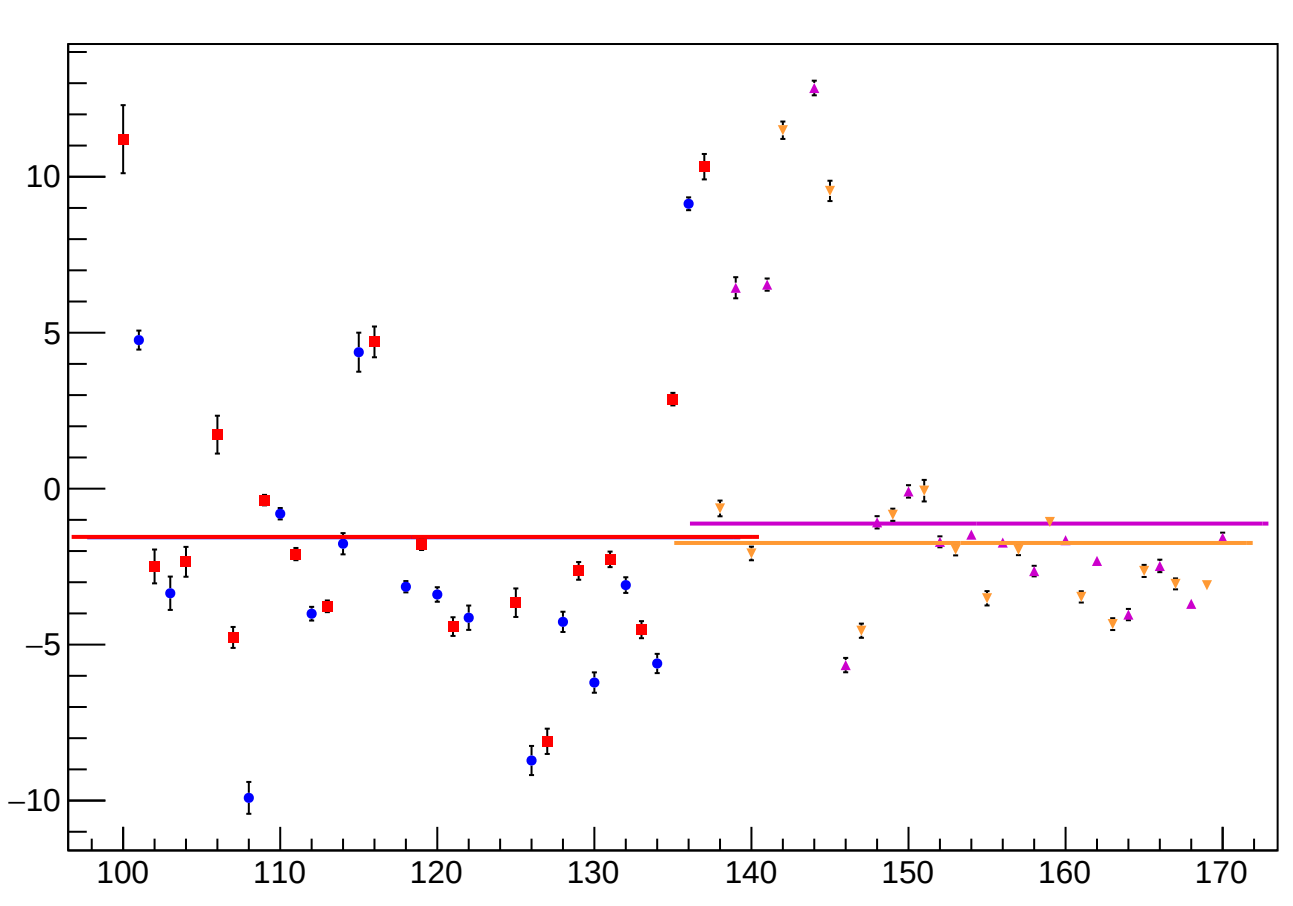
Left: -4.824+/-0.039 χ^2/NDF: 230490.3/31

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

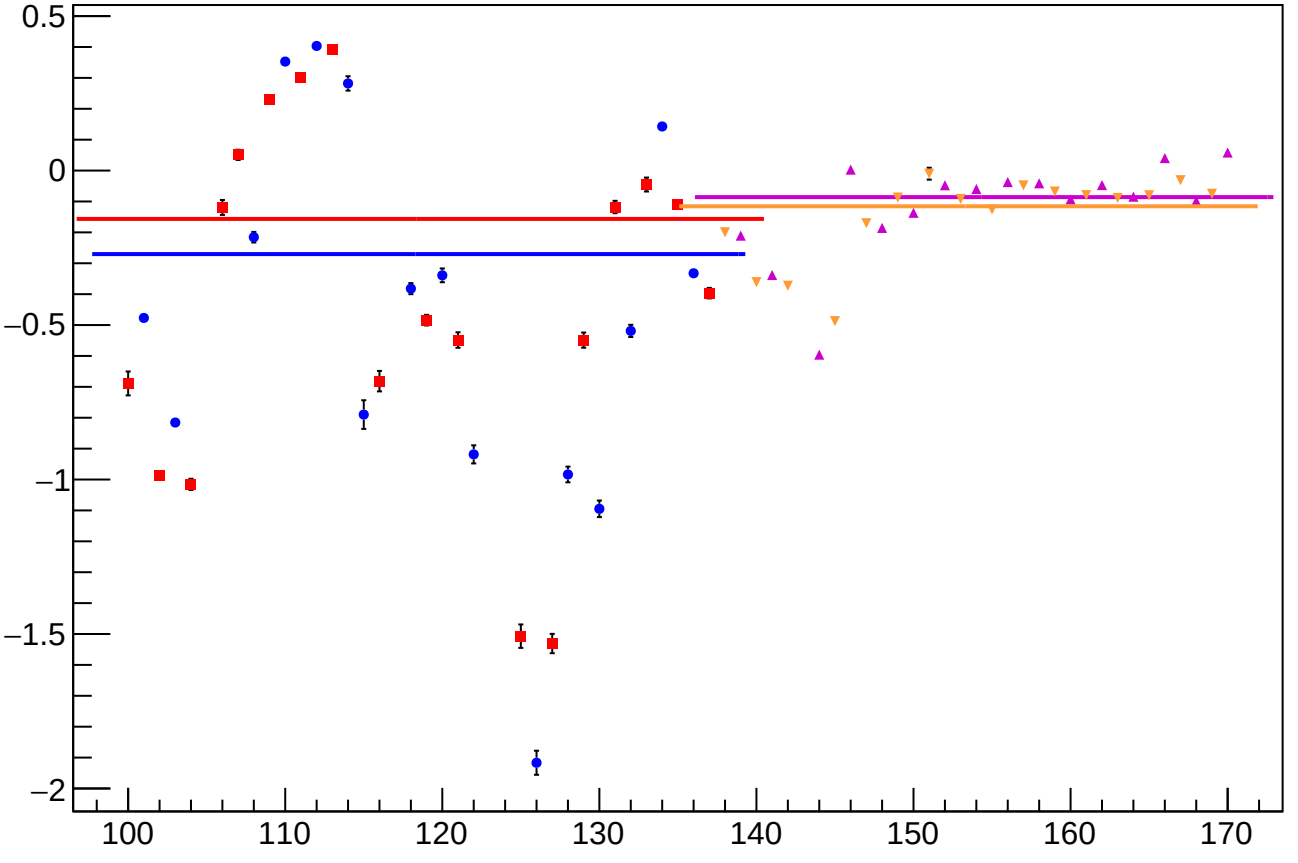
In: -0.021+/-0.040 χ^2/NDF:206128.5/31

Out: -0.622+/-0.042 χ^2/NDF:201133.9/33

All: -0.304+/-0.029 χ^2/NDF: 407370.1/65


reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: -1.558+/-0.069 χ²/NDF: 4543.1/15
Left Out: -1.741+/-0.050 χ²/NDF:4186.3/15
Right Out: -1.547+/-0.064 χ²/NDF: 2470.1/17
Left In: -1.120+/-0.042 χ²/NDF:6753.1/15
Left: -1.378+/-0.032 χ²/NDF: 11028.5/31
Right: -1.552+/-0.047 χ²/NDF: 7013.2/33
In: -1.239+/-0.036 χ²/NDF:11325.4/31
Out: -1.667+/-0.040 χ²/NDF:6662.0/33
All: -1.434+/-0.027 χ²/NDF: 18050.9/65

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.116+/-0.002 χ^2/NDF:2182.2/15

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.086+/-0.002 χ^2/NDF:3646.2/15

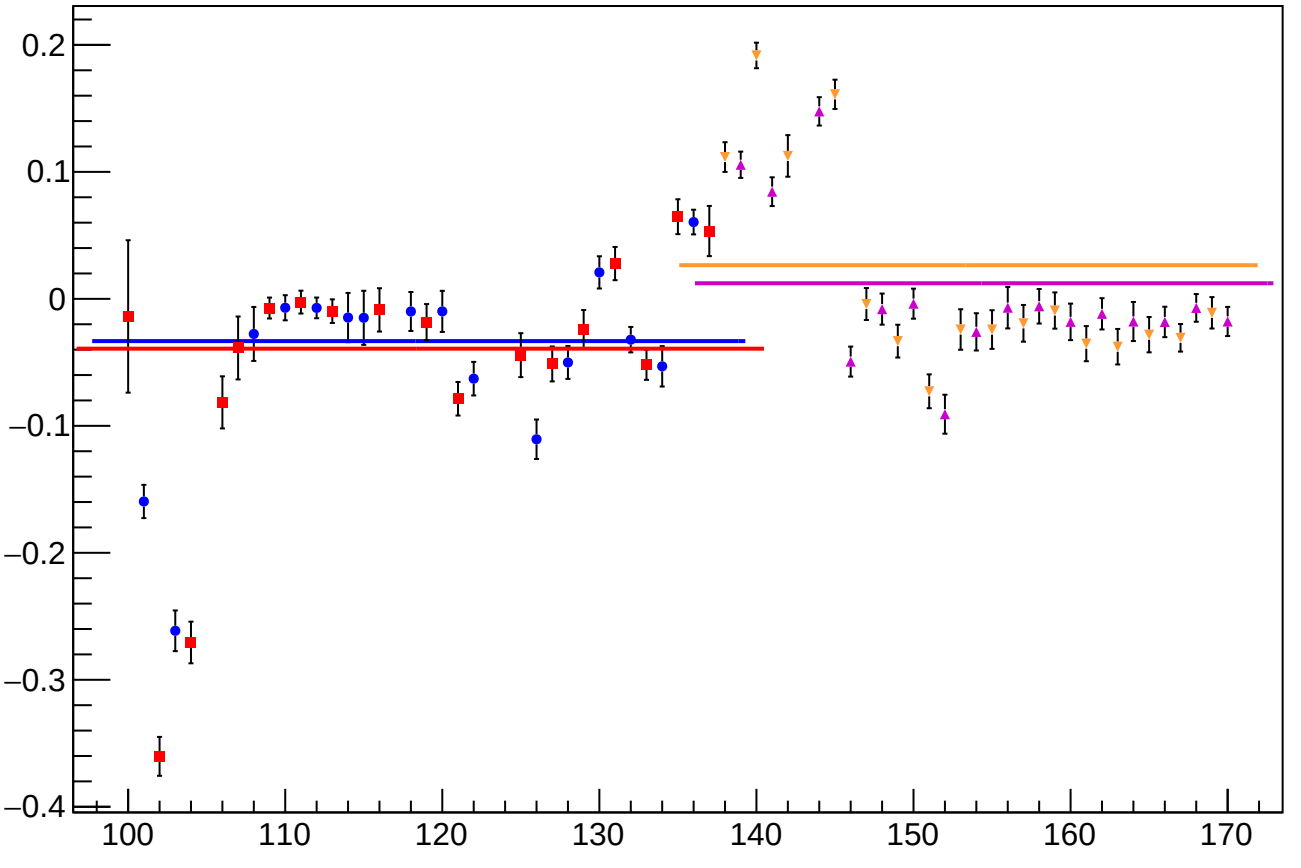
Left: -0.098+/-0.001 χ^2/NDF: 5937.4/31

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.115+/-0.002 χ^2/NDF:17413.7/31

Out: -0.126+/-0.002 χ^2/NDF:17298.9/33

All: -0.120+/-0.001 χ^2/NDF: 34730.2/65



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.027+/-0.003 χ^2/NDF:700.0/15

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.012+/-0.003 χ^2/NDF:384.2/15

Left: 0.019+/-0.002 χ^2/NDF: 1094.2/31

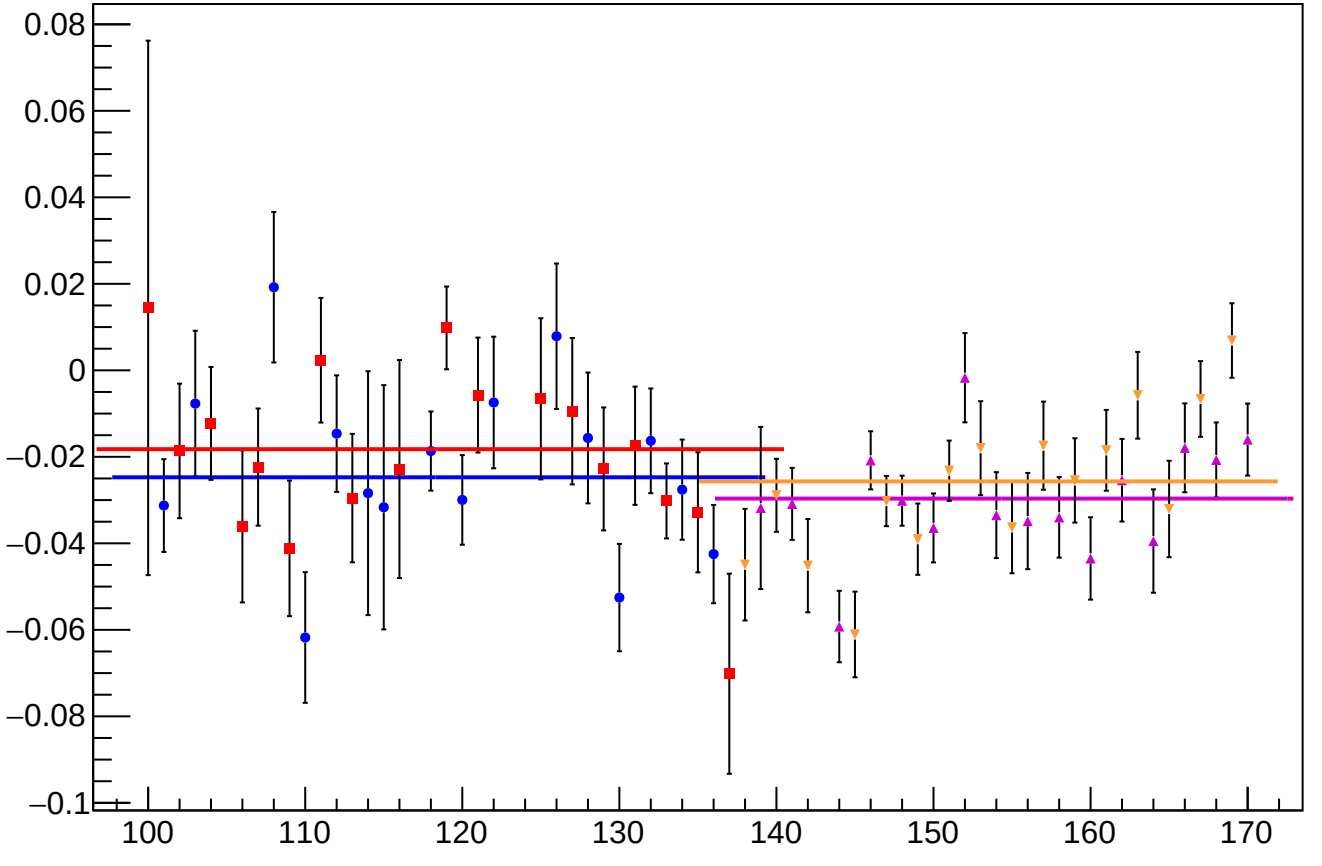
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.010+/-0.002 χ^2/NDF:951.2/31

Out: -0.007+/-0.002 χ^2/NDF:1716.6/33

All: -0.008+/-0.002 χ^2/NDF: 2668.6/65

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.026+/-0.002 χ^2/NDF:47.9/15

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.030+/-0.002 χ^2/NDF:31.3/15

Left: -0.028+/-0.002 χ^2/NDF: 80.7/31

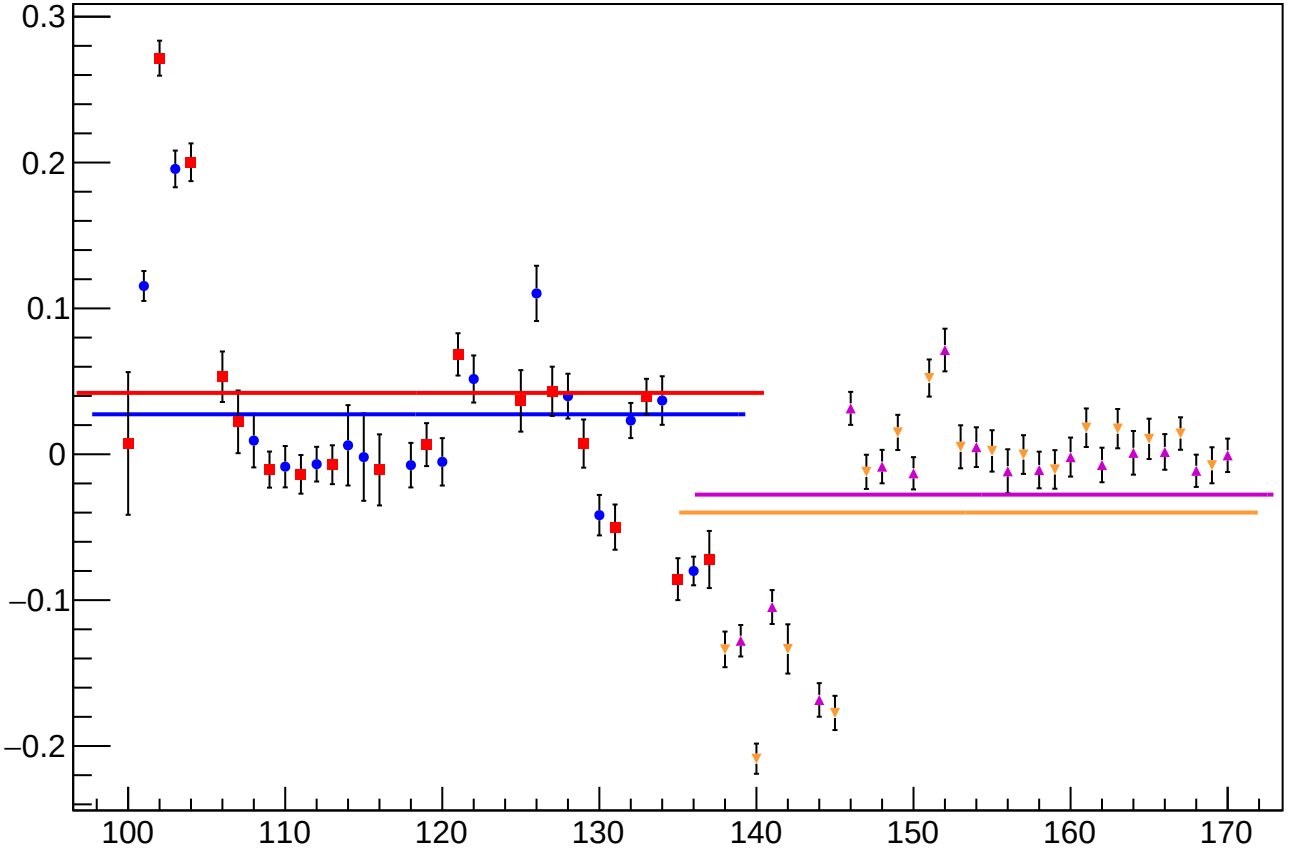
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:61.4/31

Out: -0.023+/-0.002 χ^2/NDF:75.9/33

All: -0.026+/-0.001 χ^2/NDF: 140.5/65

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: -0.040+/-0.003 χ^2/NDF:684.7/15

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.028+/-0.003 χ^2/NDF:390.2/15

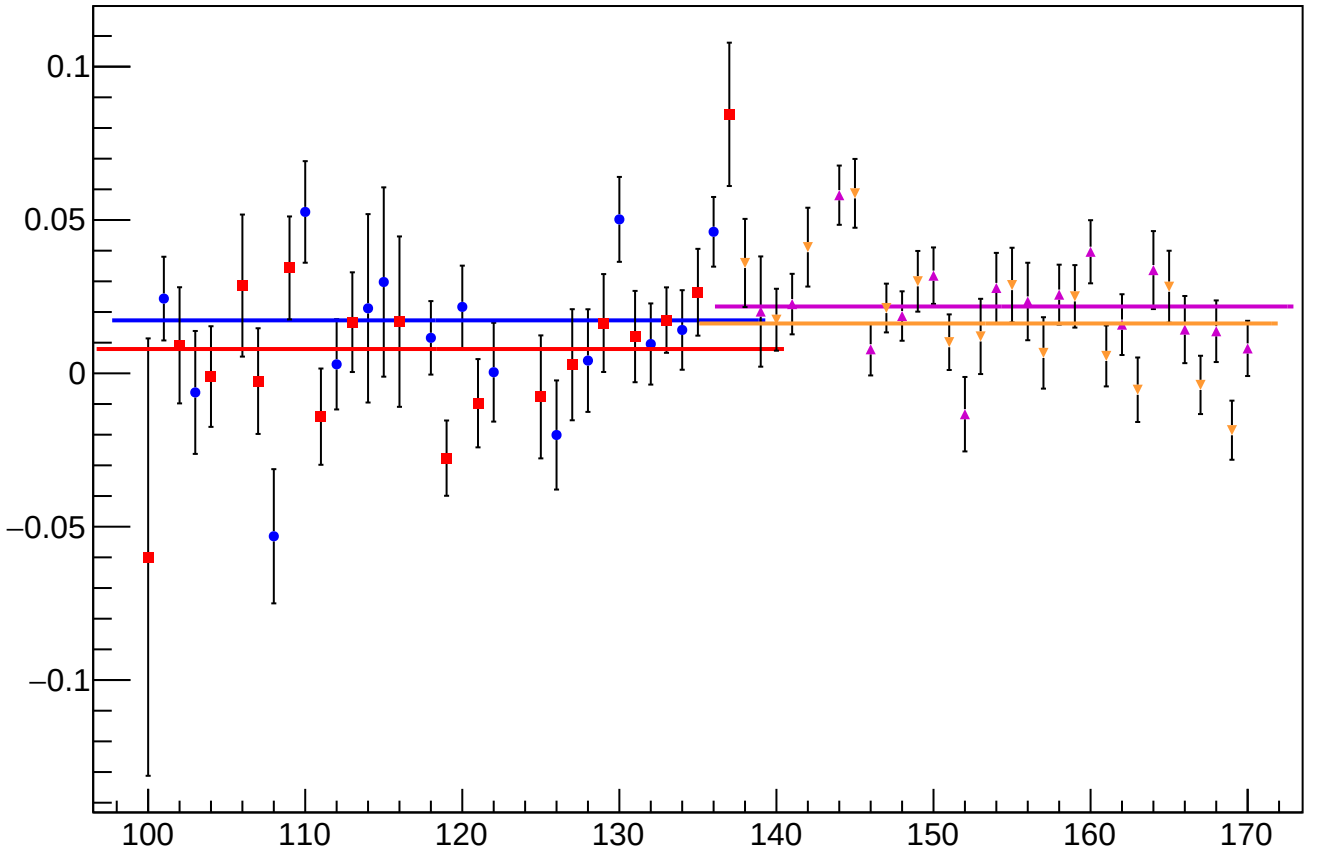
Left: -0.034+/-0.002 χ^2/NDF: 1082.7/31

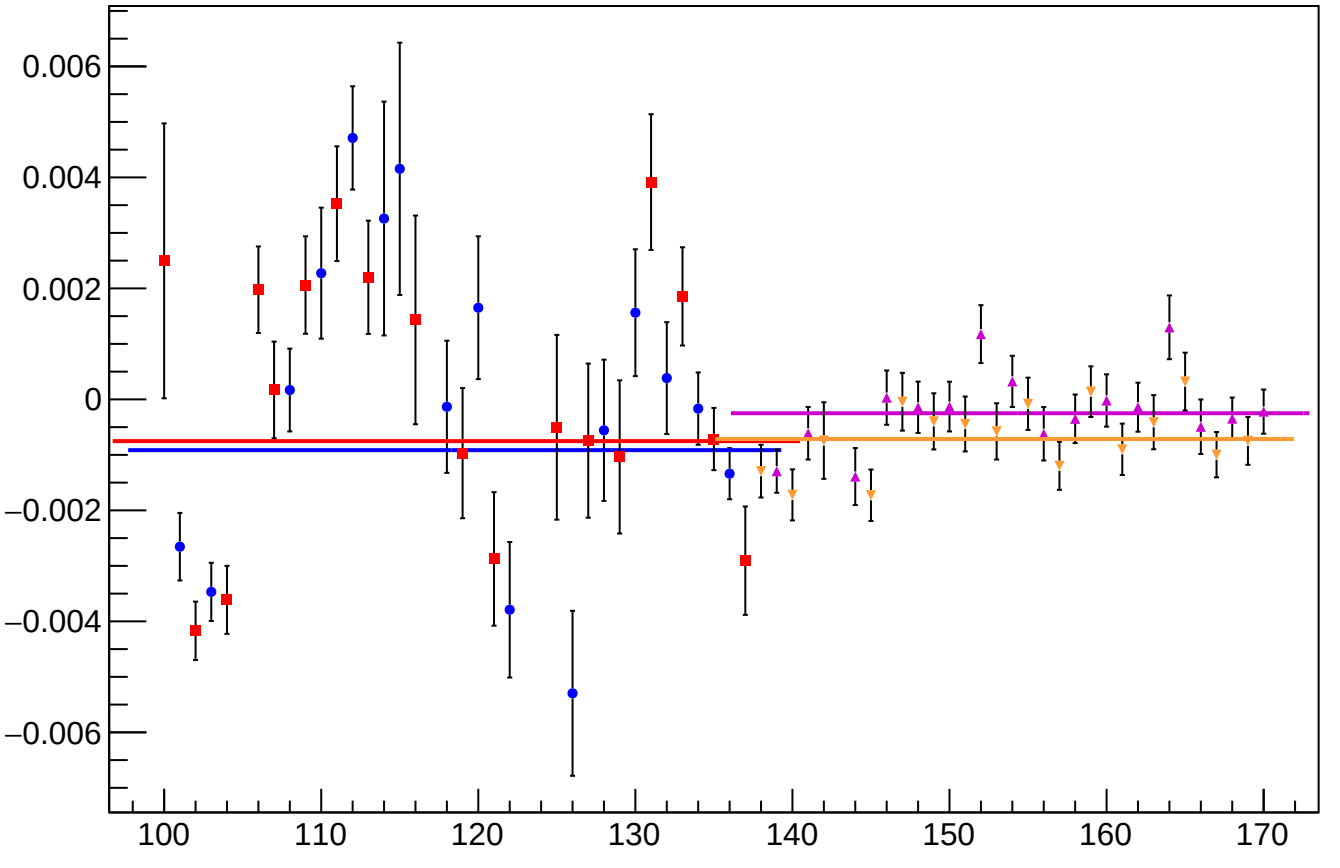
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.7/31

Out: -0.004+/-0.002 χ^2/NDF:1706.5/33

All: -0.004+/-0.002 χ^2/NDF: 2680.2/65


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.016+/-0.003 χ²/NDF:49.2/15
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.022+/-0.003 χ²/NDF:34.6/15
Left: 0.019+/-0.002 χ²/NDF: 86.1/31
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.020+/-0.002 χ²/NDF:72.2/31
Out: 0.014+/-0.002 χ²/NDF:83.8/33
All: 0.017+/-0.002 χ²/NDF: 160.9/65



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:25.0/15

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.7/15

Left: -0.000+/-0.000 χ^2/NDF: 63.7/31

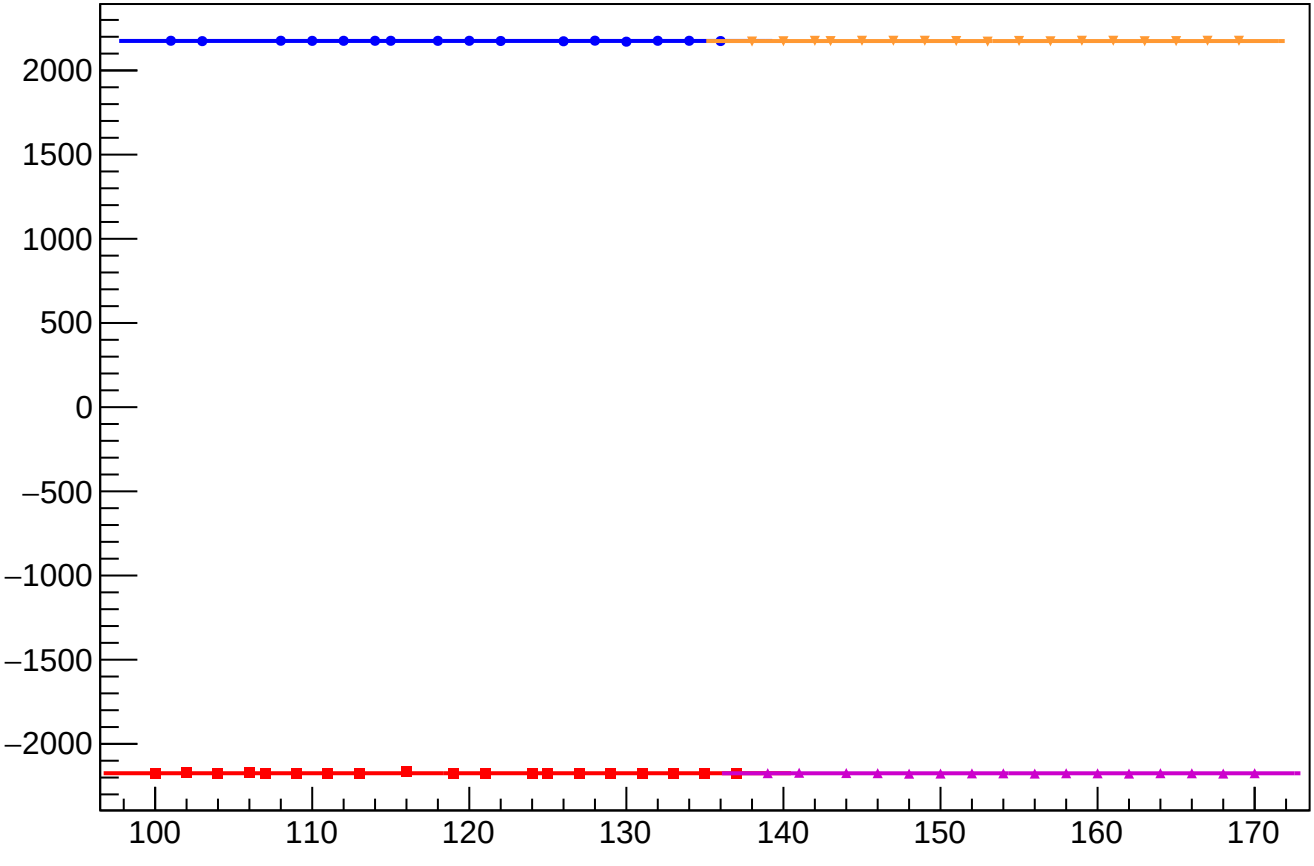
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.5/31

Out: -0.001+/-0.000 χ^2/NDF:172.6/33

All: -0.001+/-0.000 χ^2/NDF: 330.1/65

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.617+/-0.000 χ^2/NDF:391712144602346548740350827456102 4.0/16

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: -2174.666+/-0.000 χ^2/NDF:267069856259117246166580733988044 8.0/15

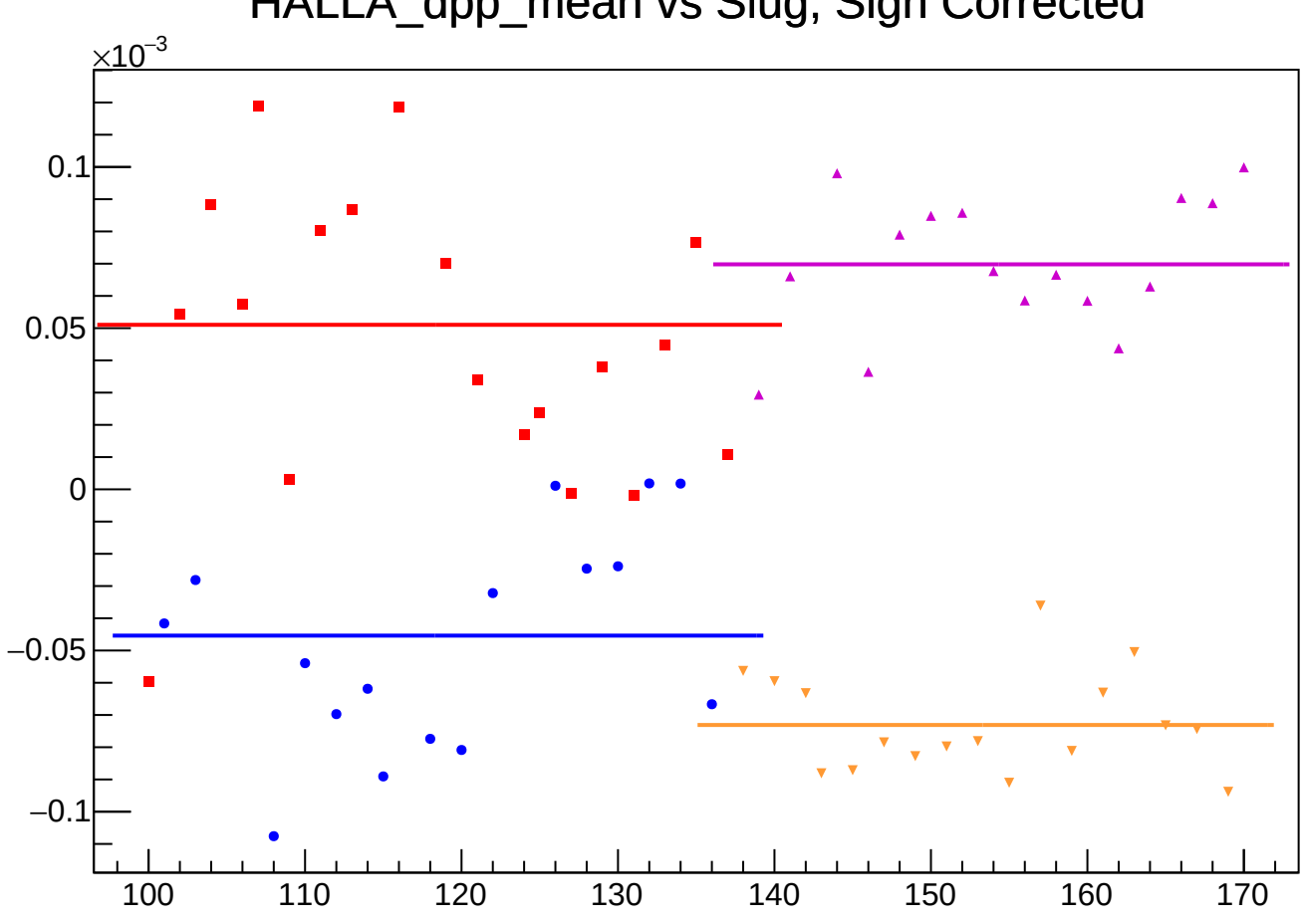
Left: 22.702+/-0.000 χ^2/NDF: 13121731104048342

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

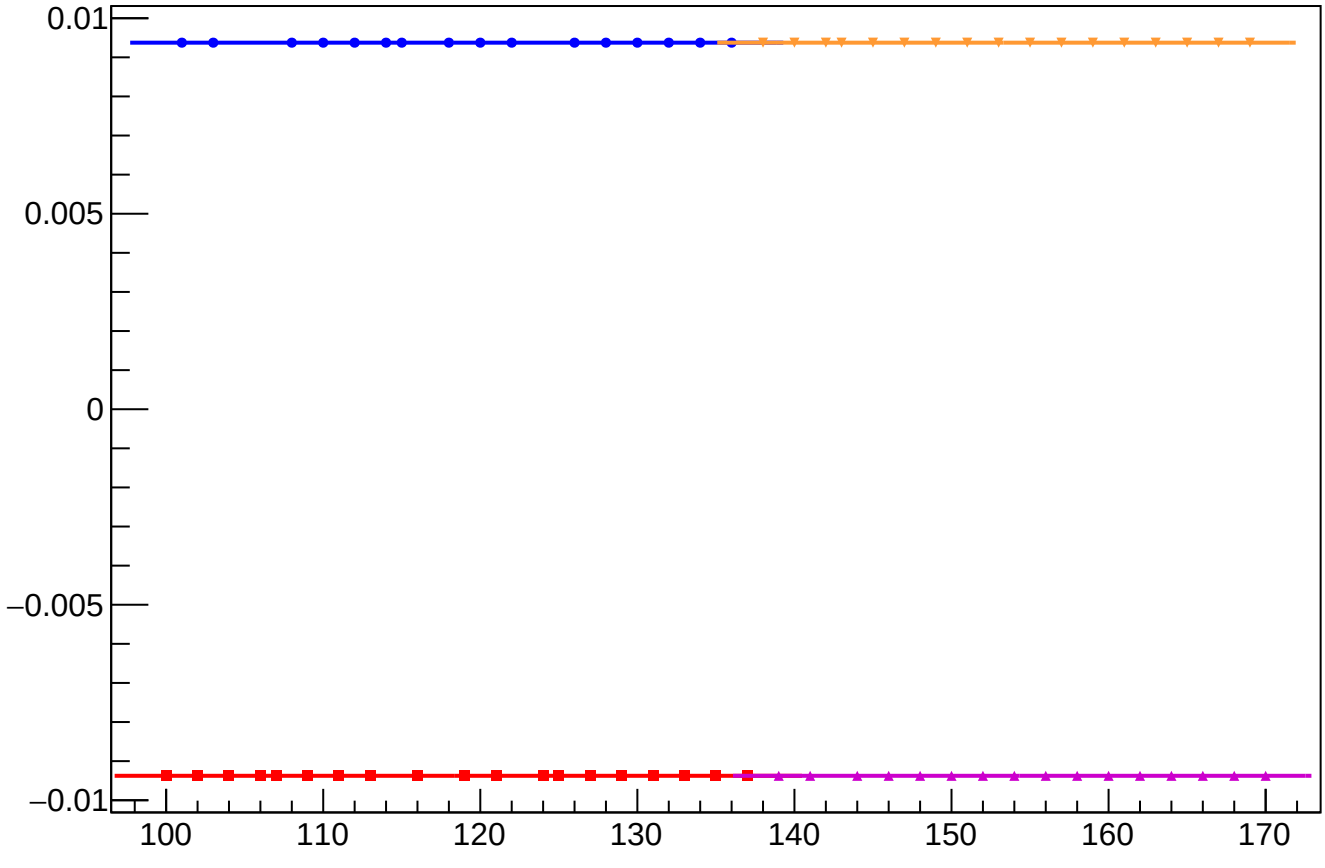
In: -649.949+/-0.000 χ^2/NDF:9106172730971210

Out: 641.942+/-0.000 χ^2/NDF:9345061325771291

All: 3.695+/-0.000 χ^2/NDF: 20236374218527


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:335028066806277139857408.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:58428127834794594874163 2.0/15
Left: -0.000+/-0.000 χ²/NDF: 15083327287957044
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:768103357567302438
Out: -0.000+/-0.000 χ²/NDF:89609105824461665
All: -0.000+/-0.000 χ²/NDF: 2033703369033

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:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

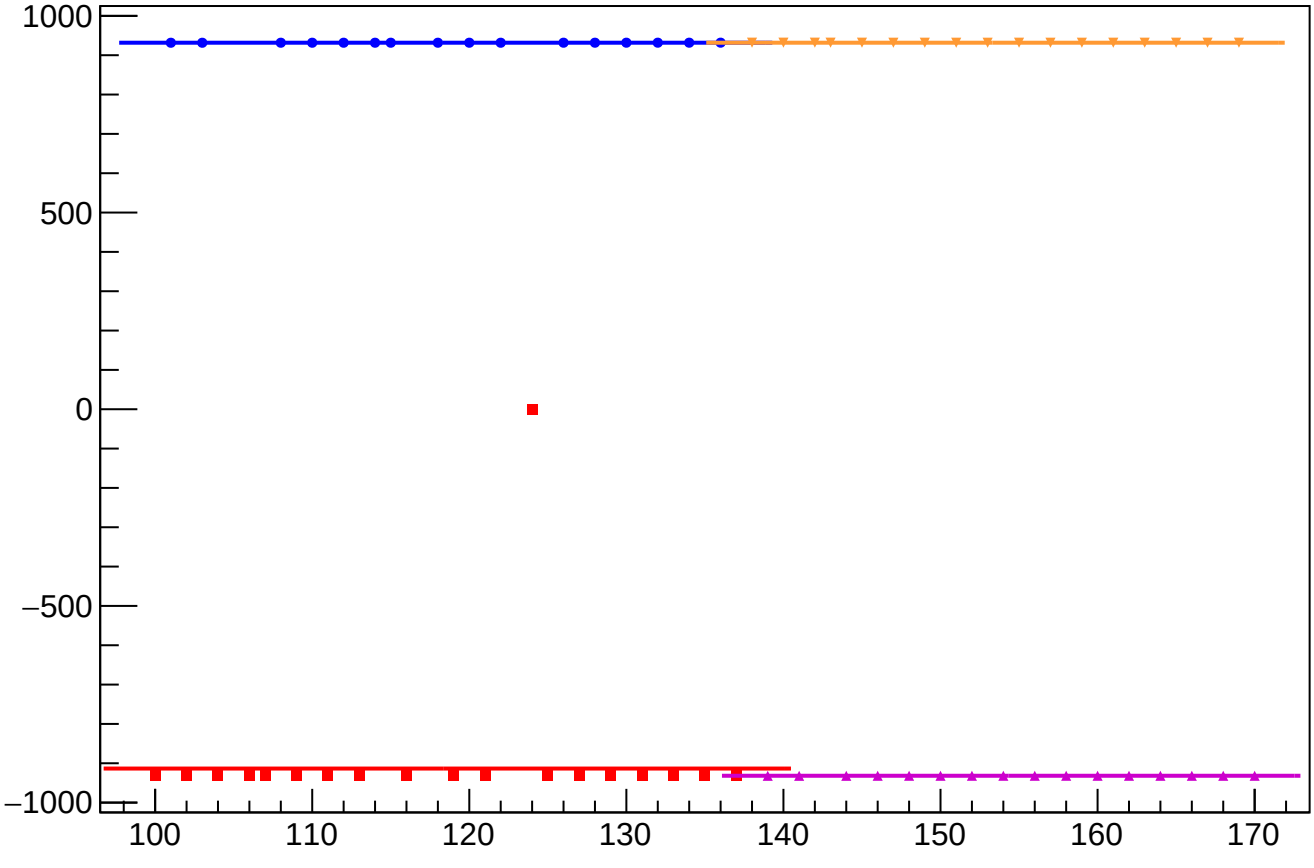
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153

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:4153160605005820307461795479552.0/16

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.773+/-0.000 χ^2/NDF:3668555033248633859227714060288.0/15

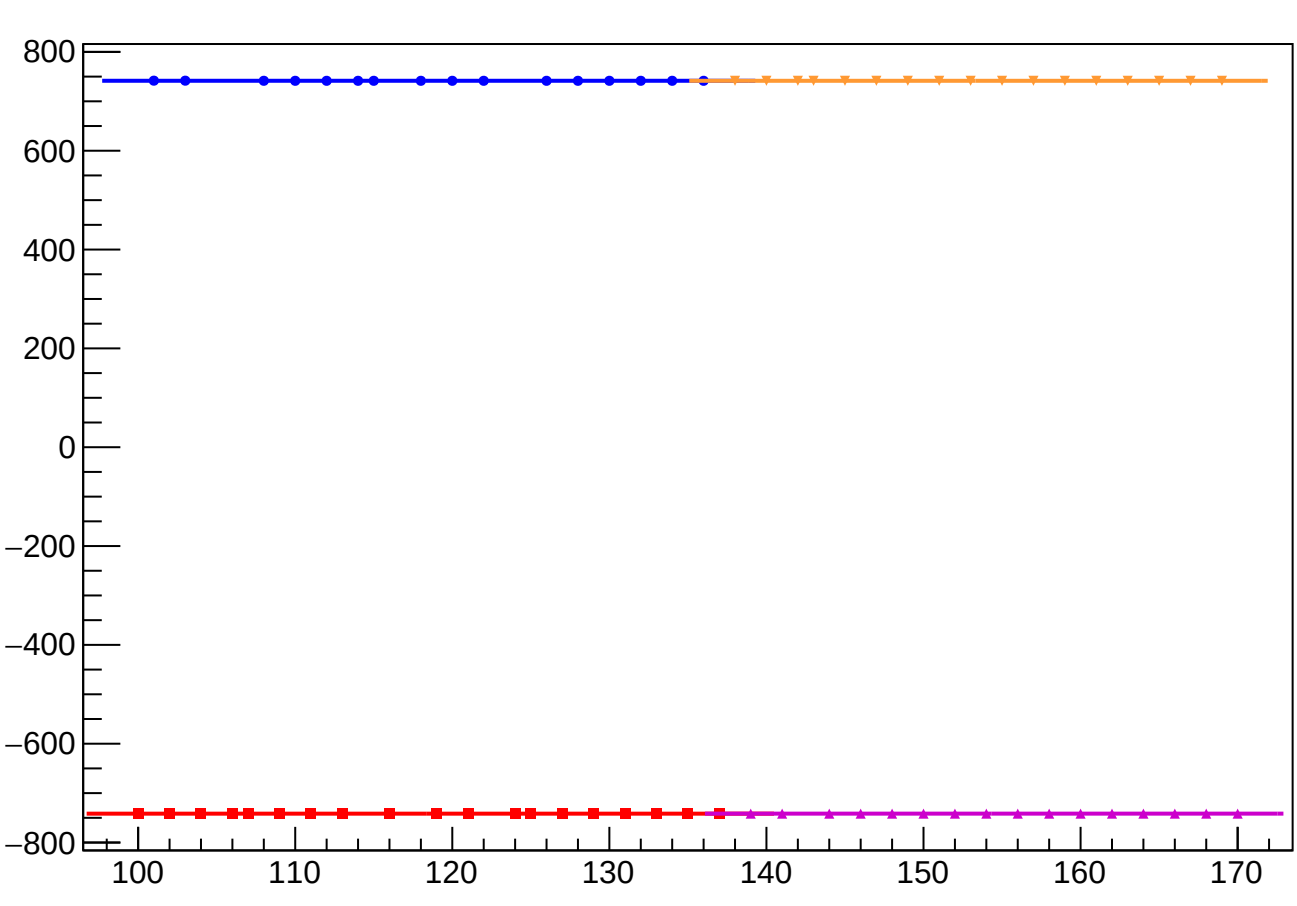
Left: 9.743+/-0.000 χ^2/NDF: 240902671877340169

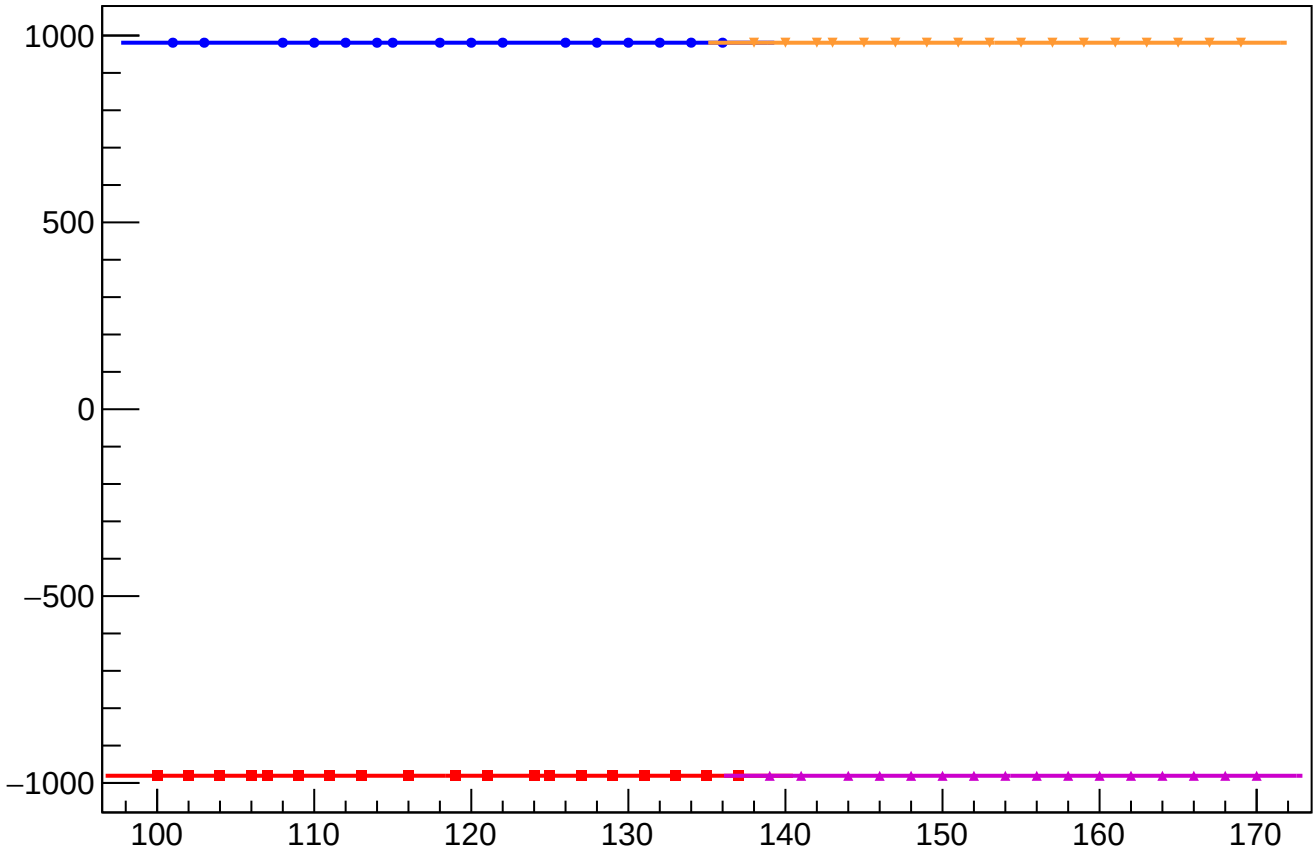
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -278.564+/-0.000 χ^2/NDF:1671330679245653

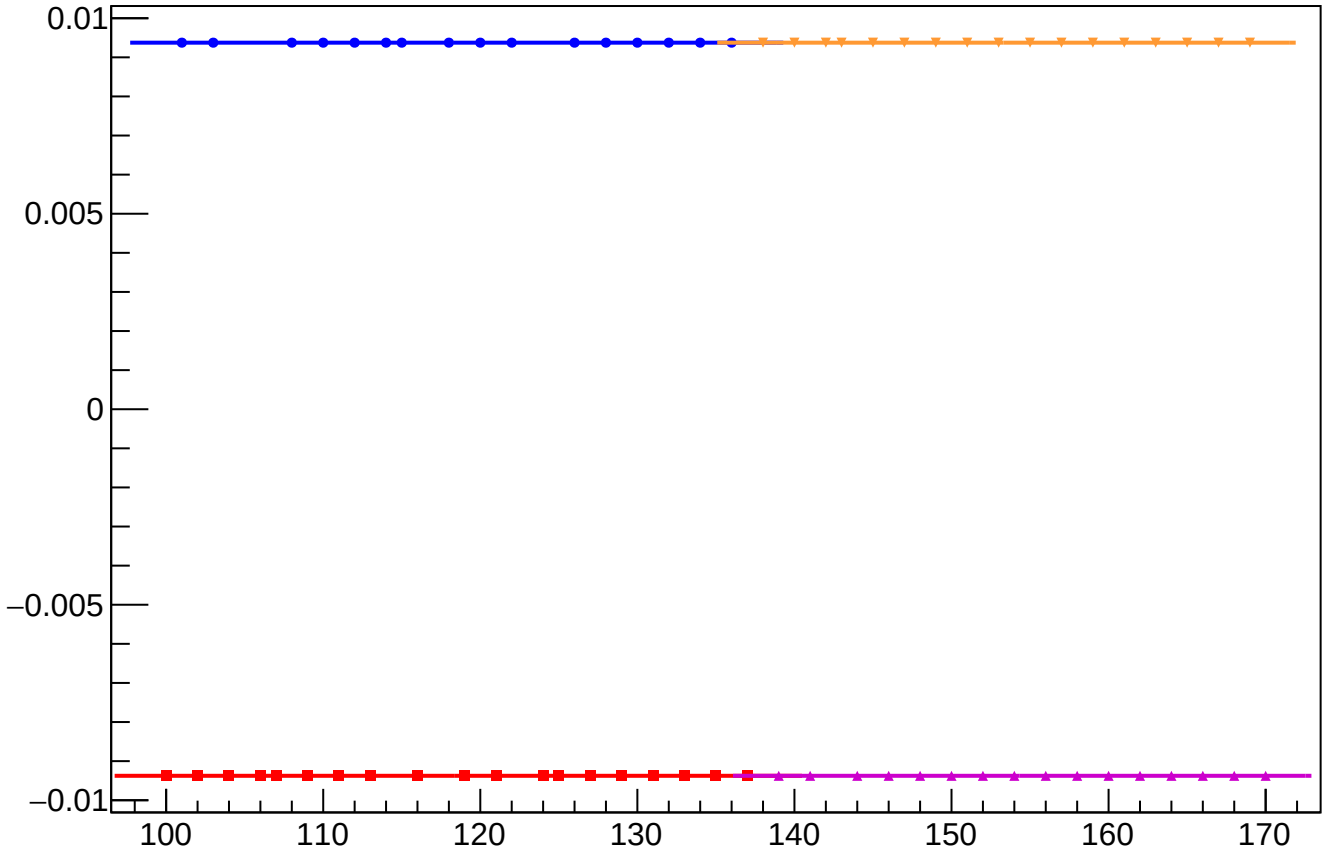
Out: 281.479+/-0.000 χ^2/NDF:1695116837468179

All: 4.795+/-0.000 χ^2/NDF: 3701925142579


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: 741.514+/-0.000 χ²/NDF:181030097229637974480851566592.0/16
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.514+/-0.000 χ²/NDF:170229920102730669801426911232.0/15
Left: 7.749+/-0.000 χ²/NDF: 152564858768887085
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -221.663+/-0.000 χ²/NDF:1058557894718745
Out: 218.836+/-0.000 χ²/NDF:1086801767181285
All: 1.211+/-0.000 χ²/NDF: 2352904157729


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Left Out: 980.770+/-0.000 χ²/NDF:67932754707996628126405754880 0.0/16
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Left In: -980.777+/-0.000 χ²/NDF:136543986683892096007412278886 4.0/15
Left: 10.246+/-0.000 χ²/NDF: 26690265738298937
Right: -14.307+/-0.000 χ²/NDF: 1446386008808569
In: -293.203+/-0.000 χ²/NDF:1851809132762939
Out: 289.490+/-0.000 χ²/NDF:1901029359394169
All: 1.616+/-0.000 χ²/NDF: 4116000562268

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:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

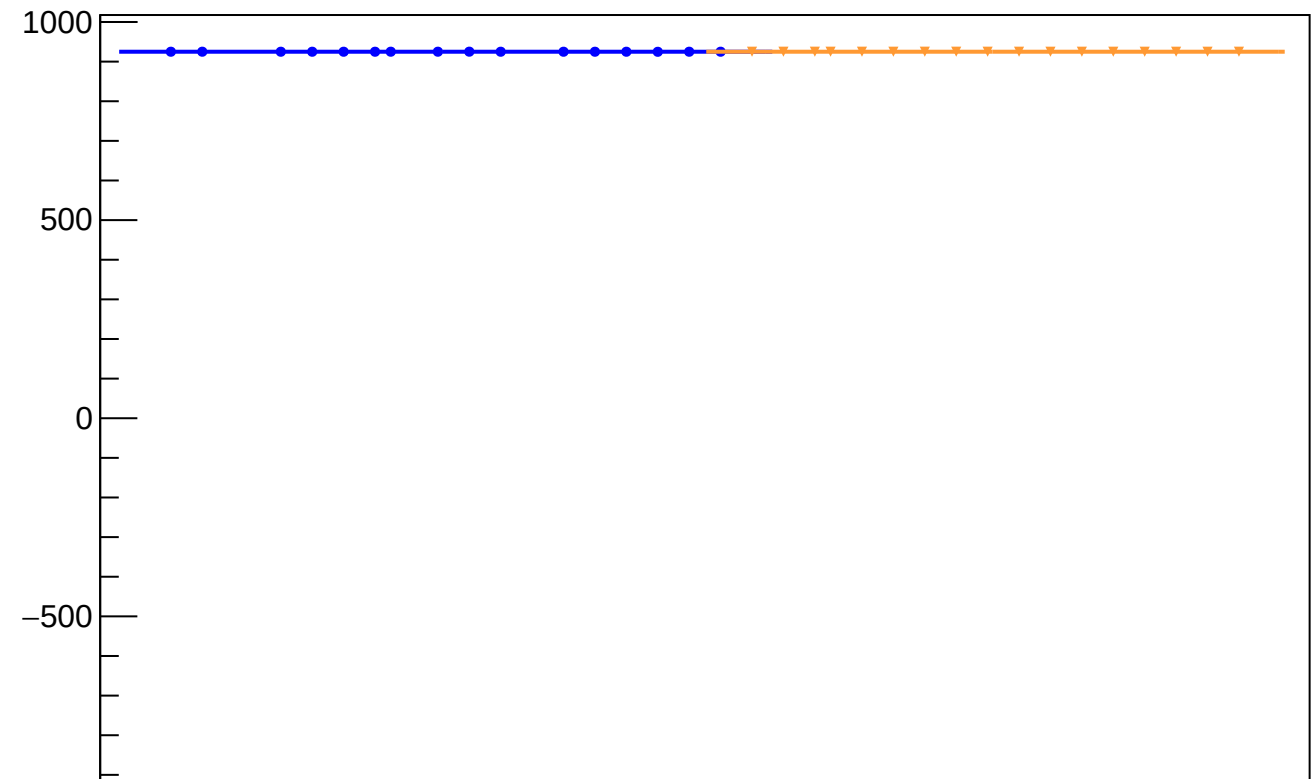
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.985+/-0.000 χ^2/NDF:866256670047353090007887773696.0/16

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

Left In: -924.987+/-0.000 χ^2/NDF:711173015479789767672853430272.0/15

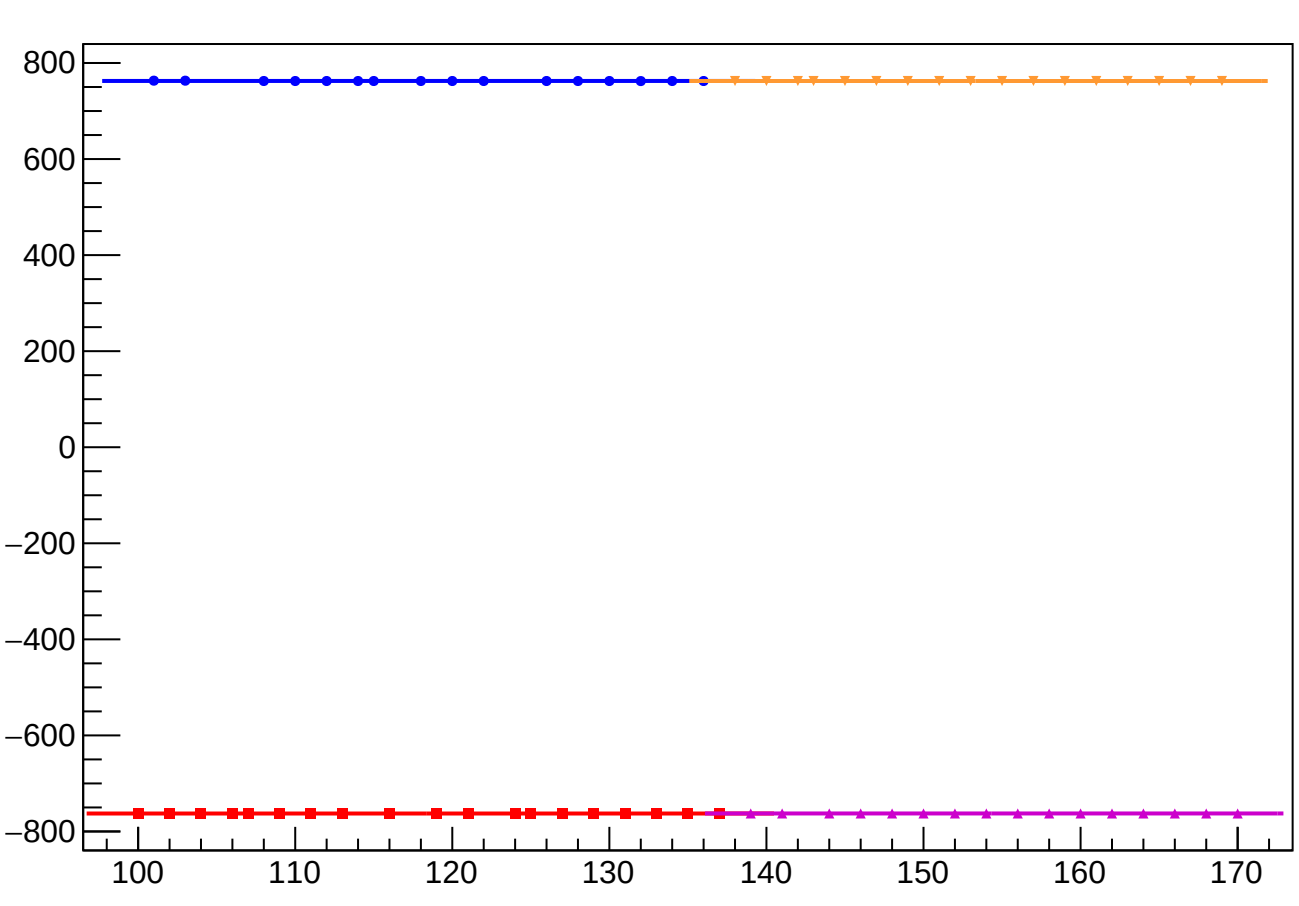
Left: 9.666+/-0.000 χ^2/NDF: 237402820656260582

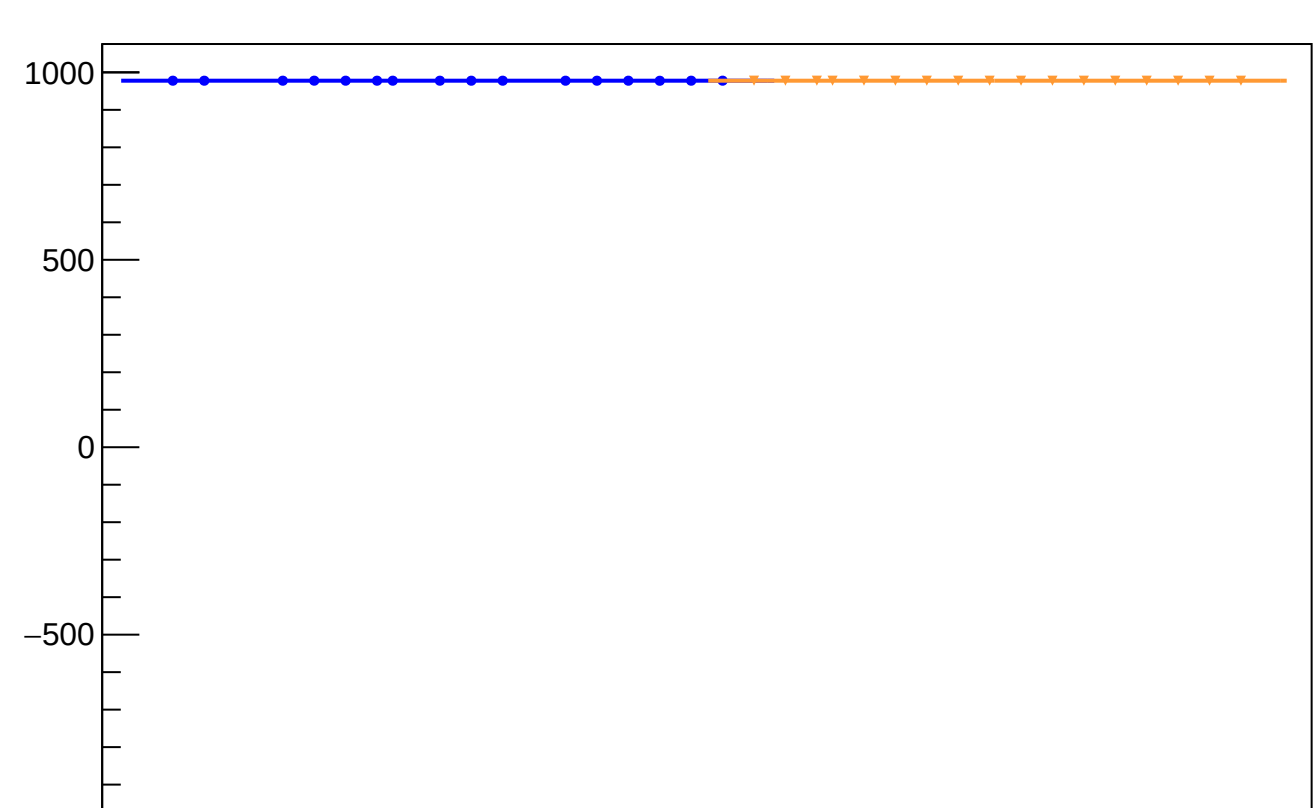
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -276.541+/-0.000 χ^2/NDF:1647043840451552

Out: 273.013+/-0.000 χ^2/NDF:1690981951487637

All: 1.511+/-0.000 χ^2/NDF: 3661054737972


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: 762.510+/-0.000 χ²/NDF:4702646775836892219579354316800.0/16
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.512+/-0.000 χ²/NDF:428297856834921926844515090432.0/15
Left: 7.968+/-0.000 χ²/NDF: 161327258720585452
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -227.925+/-0.000 χ²/NDF:1119420304947830
Out: 225.017+/-0.000 χ²/NDF:1149284164119296
All: 1.245+/-0.000 χ²/NDF: 2488139684780



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.741+/-0.000 χ^2/NDF:109022571230930780459280367616 0.0/16

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.737+/-0.000 χ^2/NDF:104019053485571234658361383321 6.0/15

Left: 10.220+/-0.000 χ^2/NDF: 26525362086275080

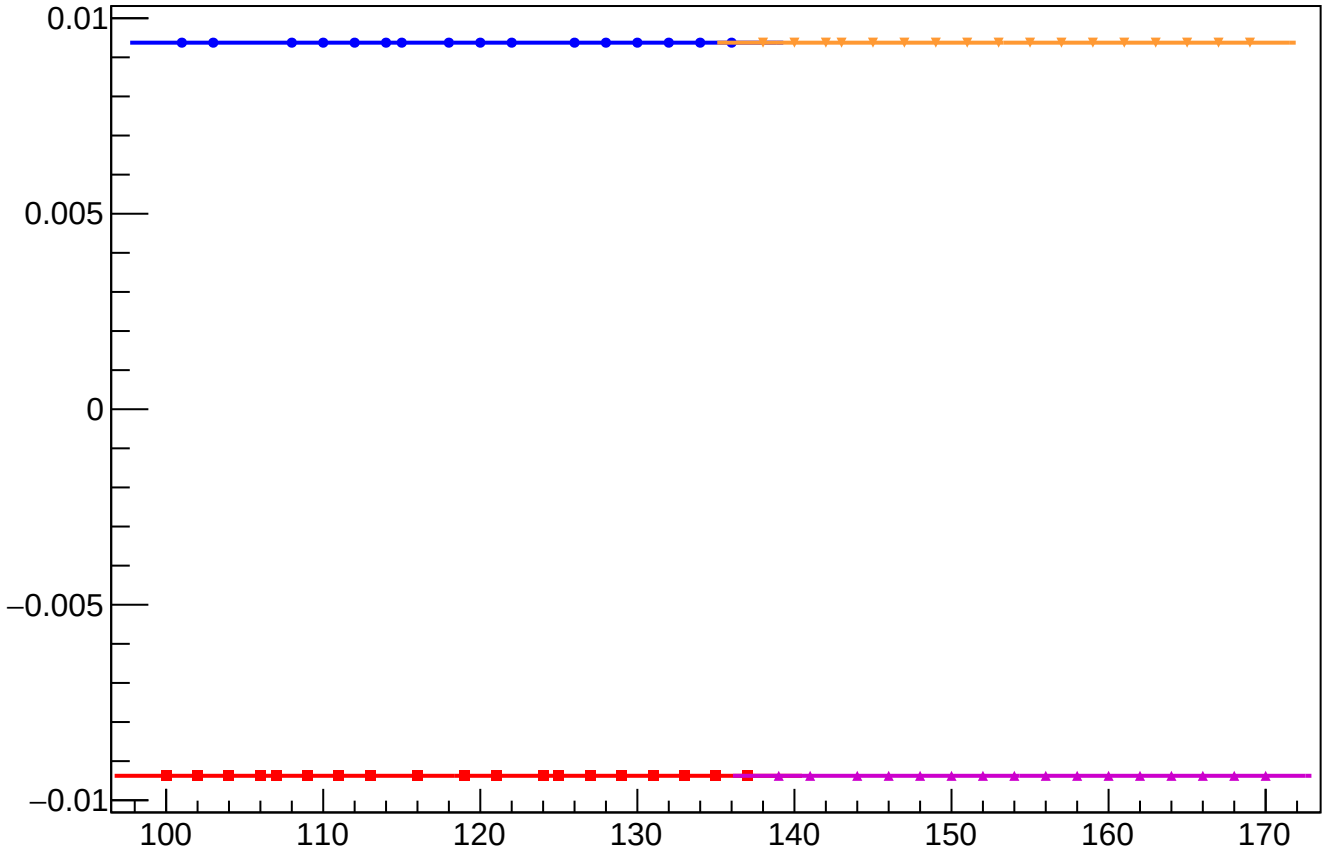
Right: -14.301+/-0.000 χ^2/NDF: 1437503779831150

In: -292.299+/-0.000 χ^2/NDF:1840320025688395

Out: 288.578+/-0.000 χ^2/NDF:1889404321176162

All: 1.601+/-0.000 χ^2/NDF: 4090626444185

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:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

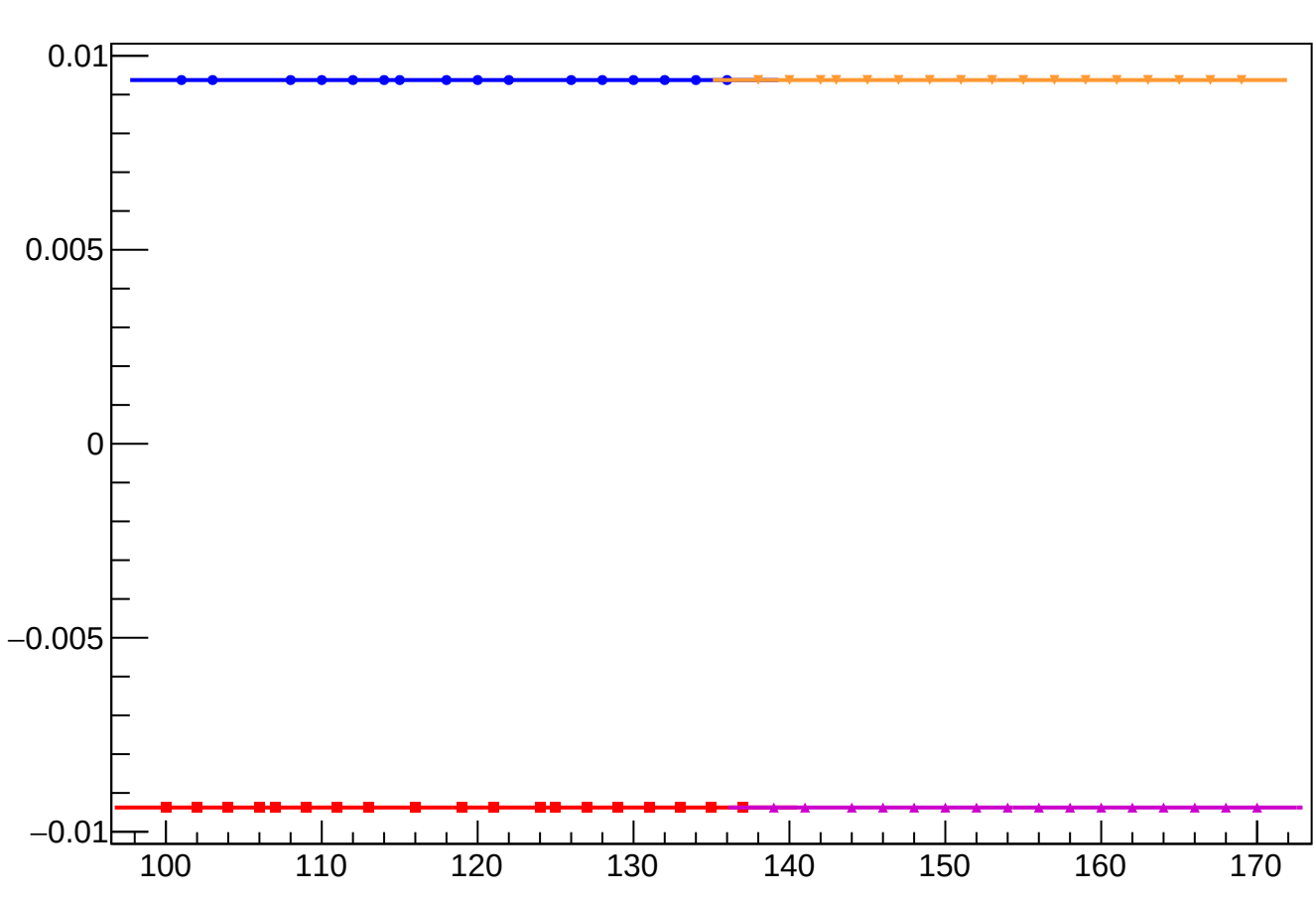
Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

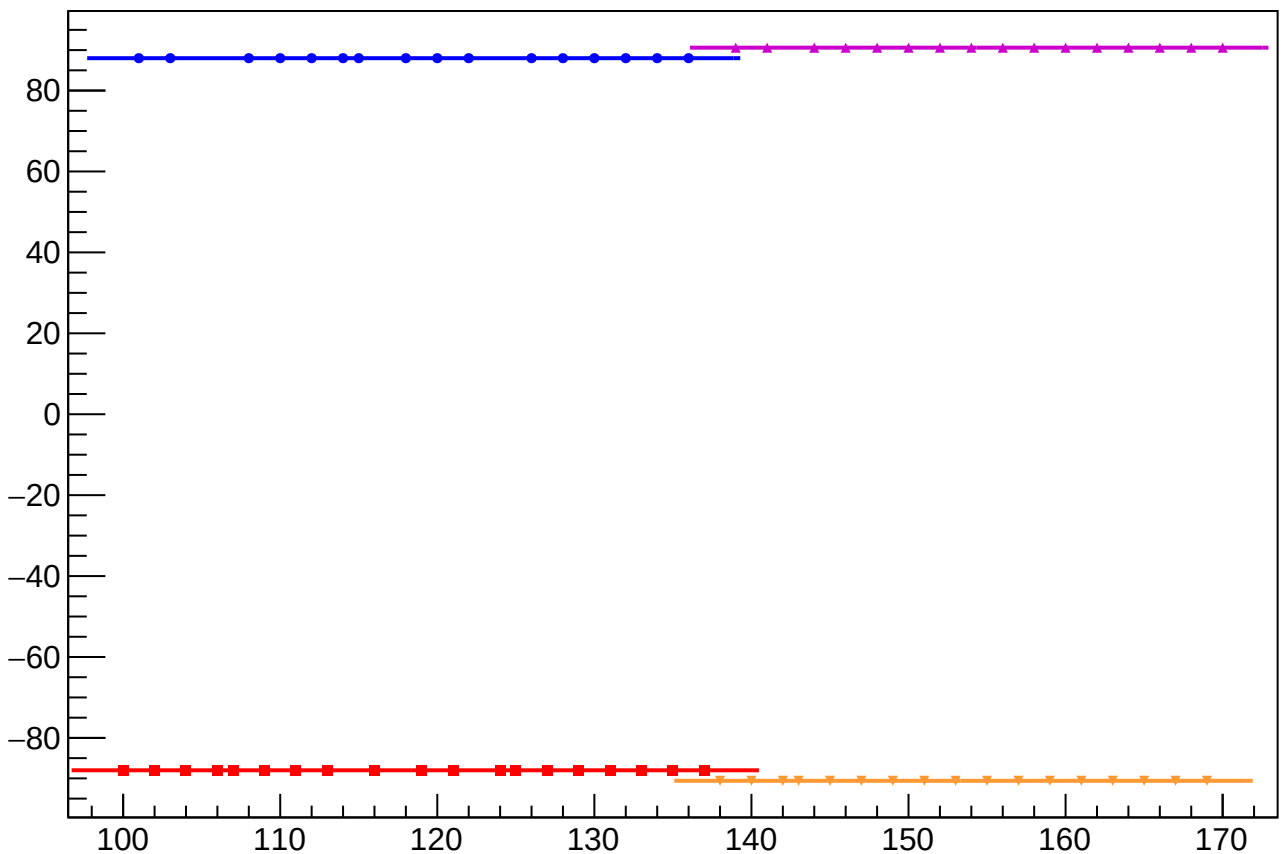
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153

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:4561004.4/16

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5187852.2/15

Left: -0.947+/-0.000 χ^2/NDF: 22775357836915751

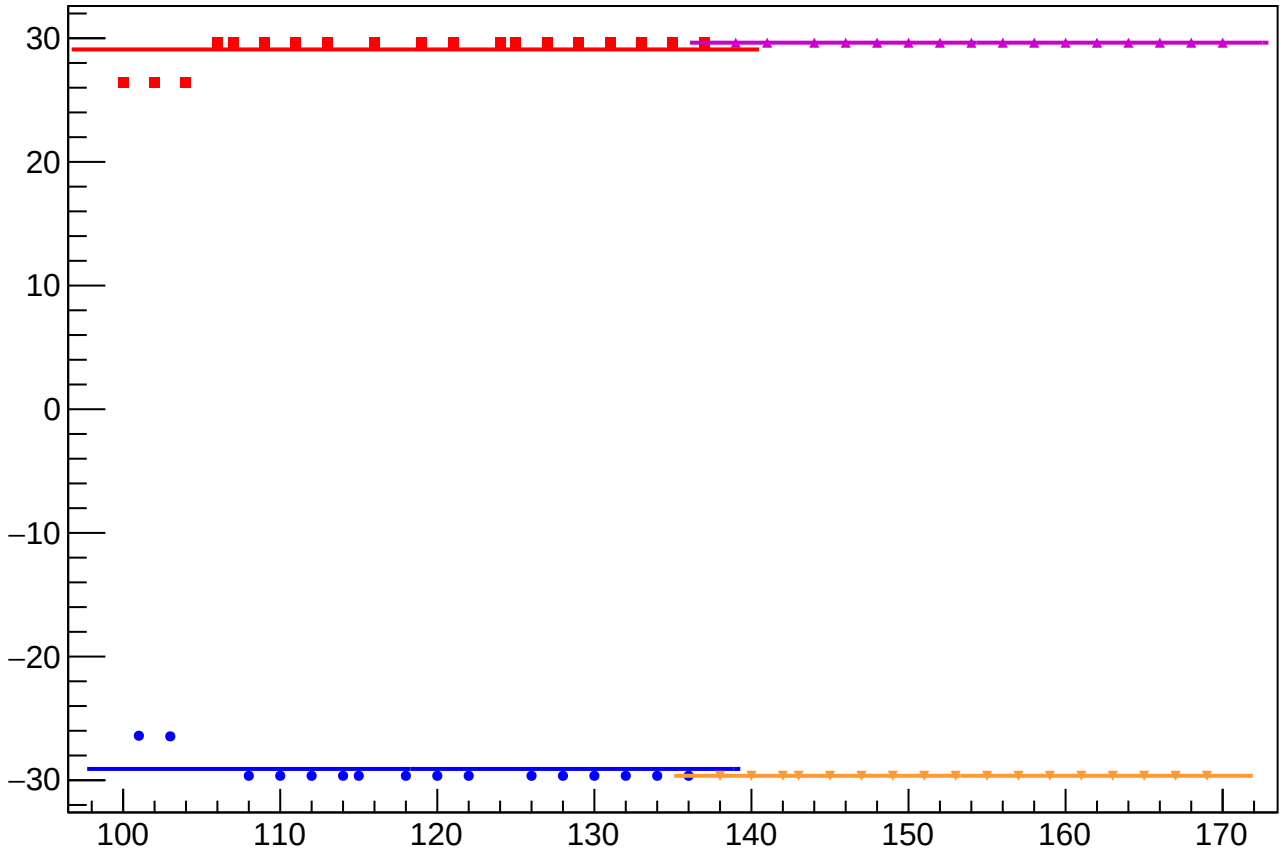
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.688+/-0.000 χ^2/NDF:324982923633908496

Out: -89.684+/-0.000 χ^2/NDF:3329636419289996

All: -1.067+/-0.000 χ^2/NDF: 3442049962372

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:196129.8/16

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:139786.2/15

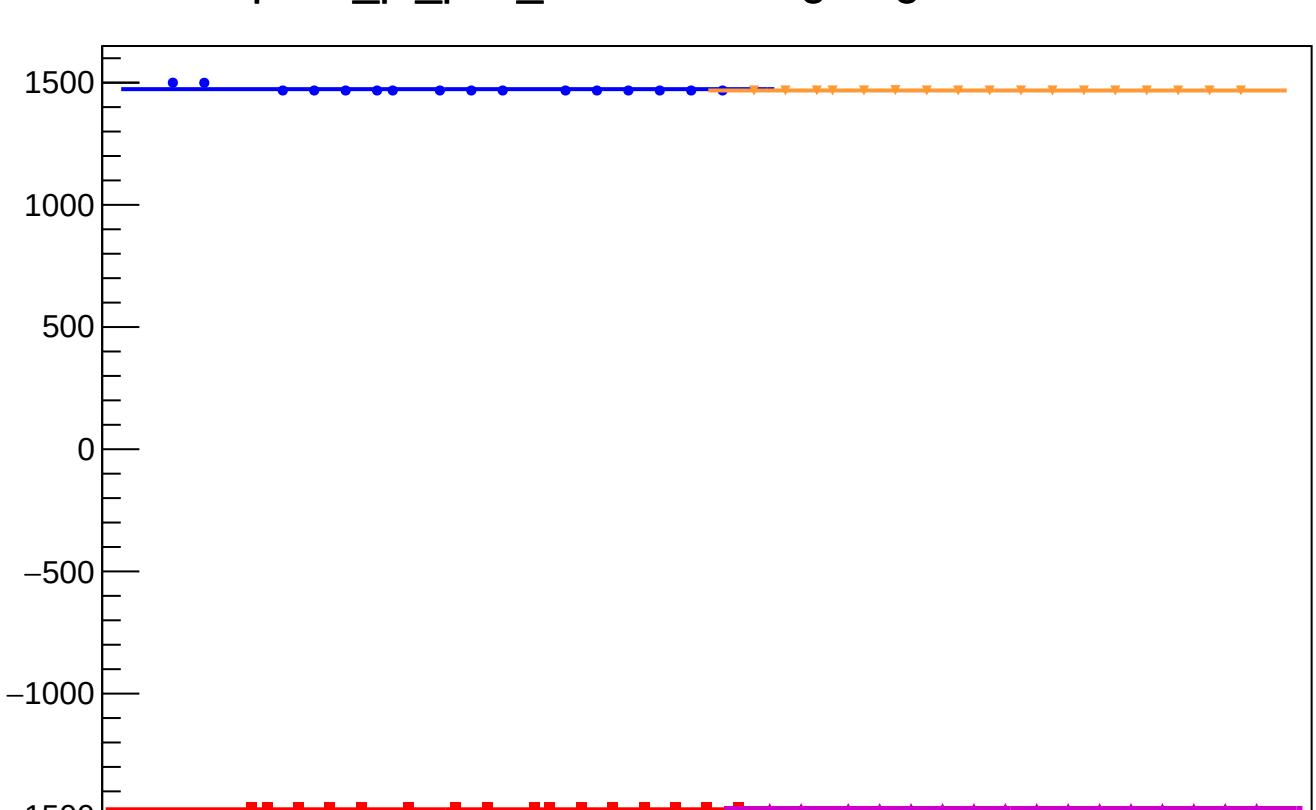
Left: -0.310+/-0.000 χ^2/NDF: 24377690443368943

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 9.056+/-0.000 χ^2/NDF:166085753025624942 6

Out: -8.942+/-0.000 χ^2/NDF:17055907048553525

All: -0.050+/-0.000 χ^2/NDF: 3712902500620



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.073+/-0.000 χ^2/NDF:13722893683839701436429106151424 0.0/16

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.991+/-0.000 χ^2/NDF:13138412232662398089119662080 0.0/15

Left: 15.382+/-0.000 χ^2/NDF: 597980112988800 86

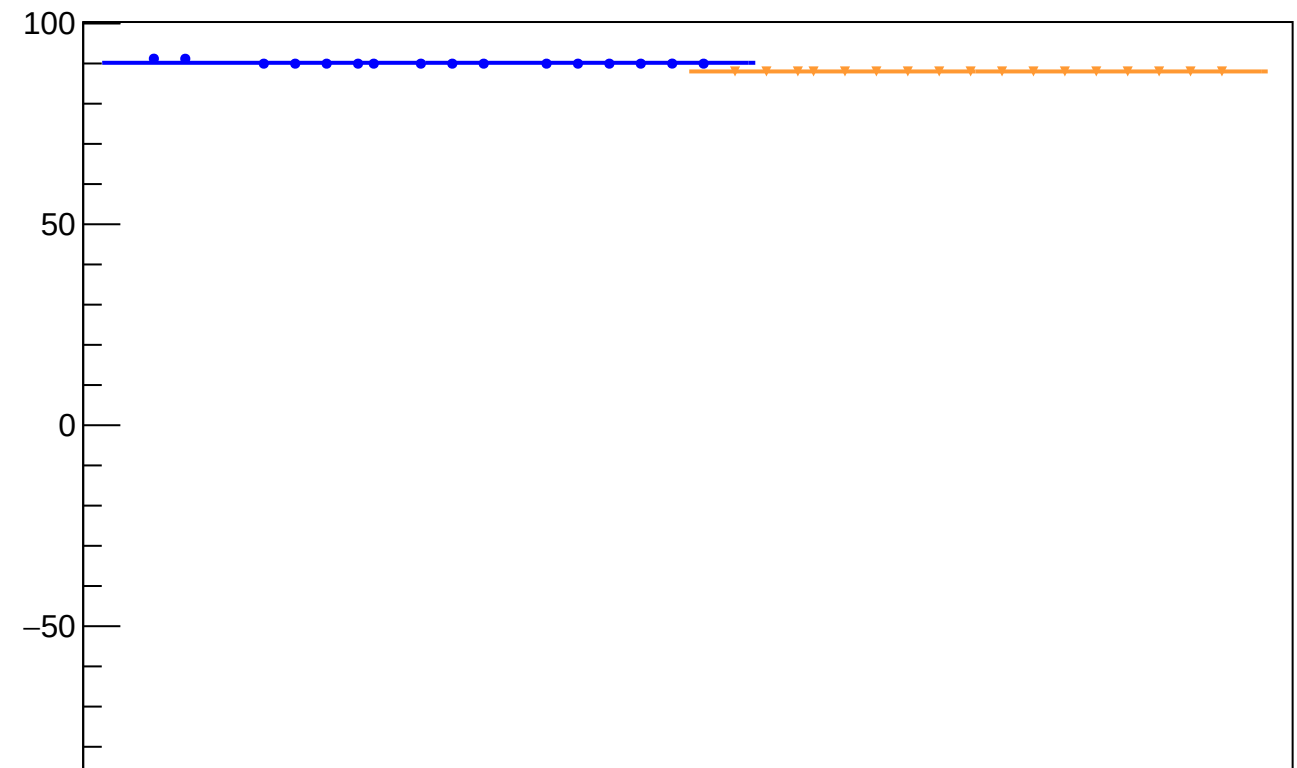
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -436.950+/-0.000 χ^2/NDF:4164093341256857

Out: 431.427+/-0.000 χ^2/NDF:4275171663646608

All: 2.413+/-0.000 χ^2/NDF: 92458264521671

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3850550.0/16

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:5103033.9/15

Left: 0.920+/-0.000 χ^2/NDF: 214973645708924530

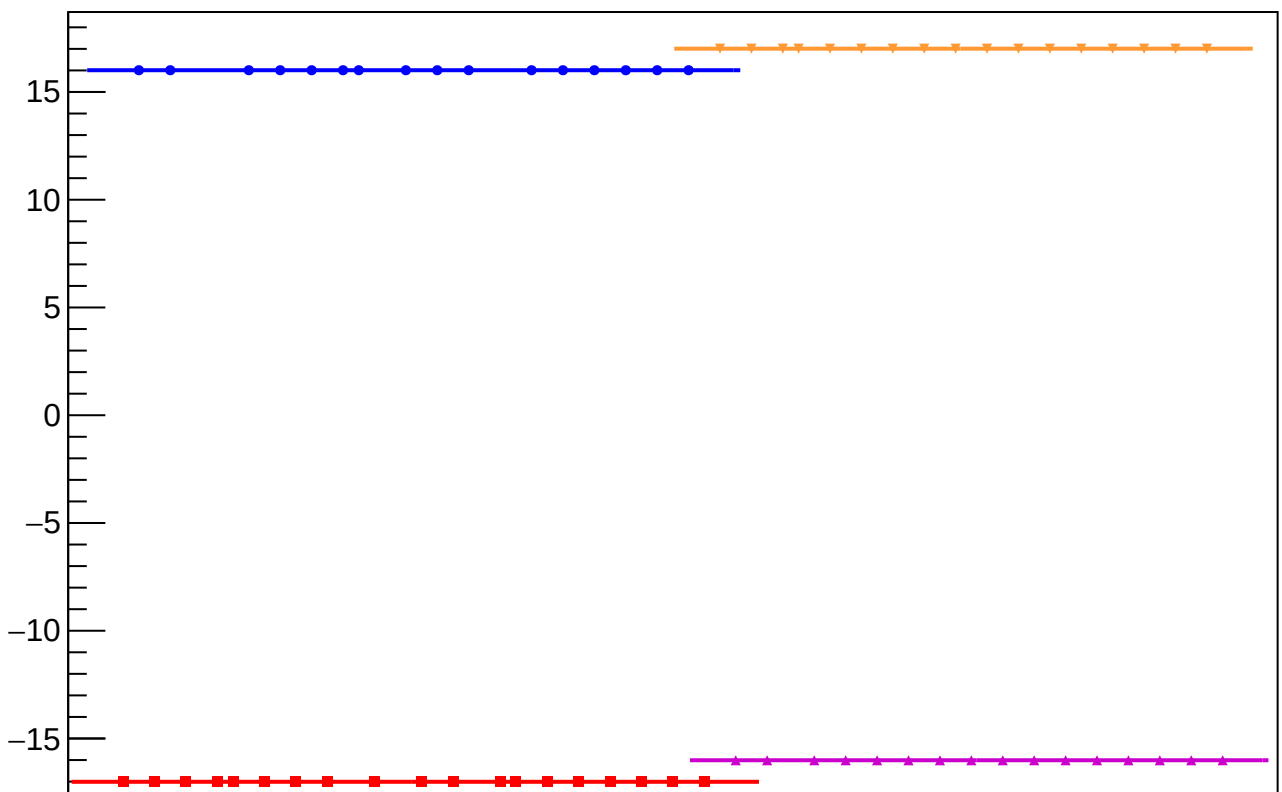
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -25.560+/-0.000 χ^2/NDF:15281705715143289

Out: 25.222+/-0.000 χ^2/NDF:1568859833216994

All: 0.134+/-0.000 χ^2/NDF: 3372864990435

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:208172300850888965221253120.0/16

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:12253095515587944959180 8.0/15

Left: 0.610+/-0.000 χ^2/NDF: 697988080810964333

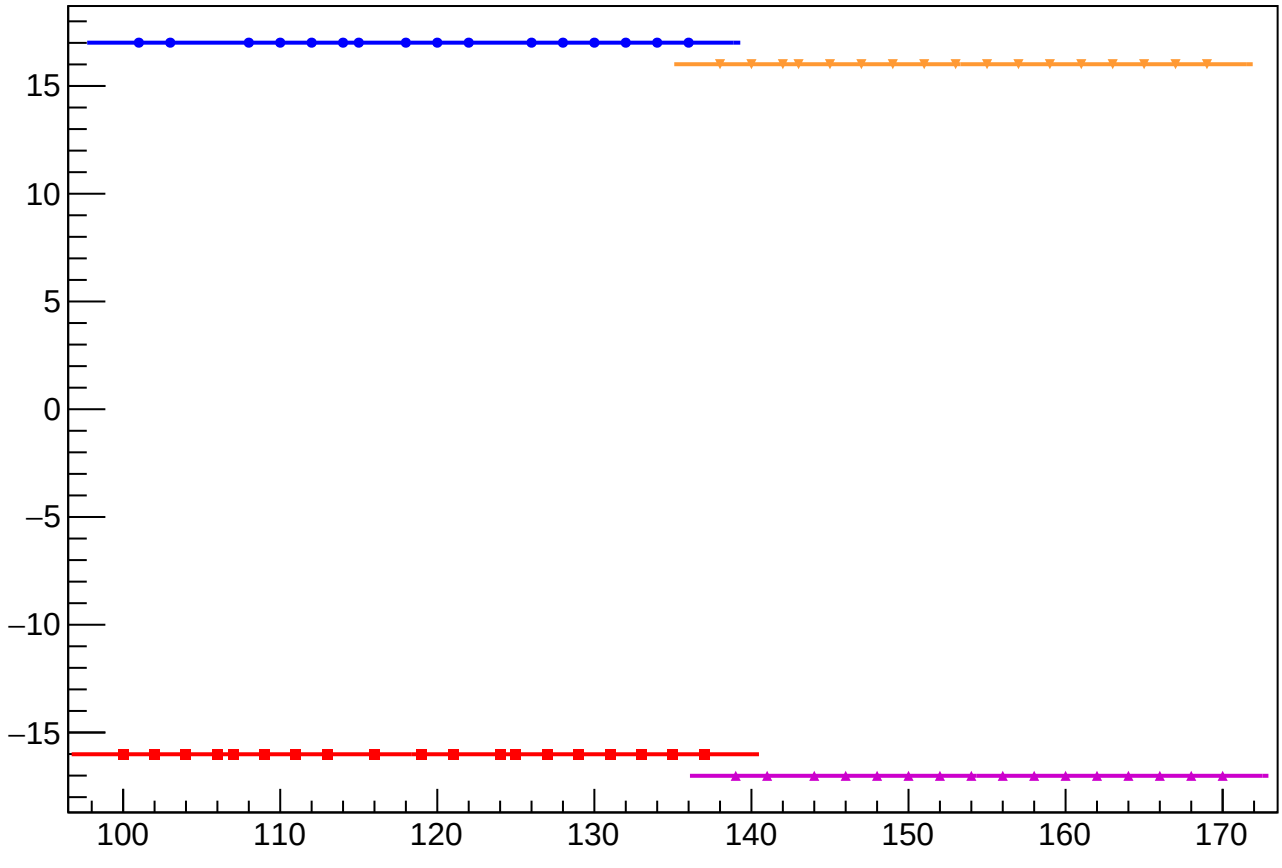
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -4.623+/-0.000 χ^2/NDF:463751956557045569

Out: 5.115+/-0.000 χ^2/NDF:521570925565305031

All: 0.256+/-0.000 χ^2/NDF: 10790990735636

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:63740.0/16

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:109034345022865199333376.0/15

Left: -0.253+/-0.000 χ^2/NDF: 74800870926817089

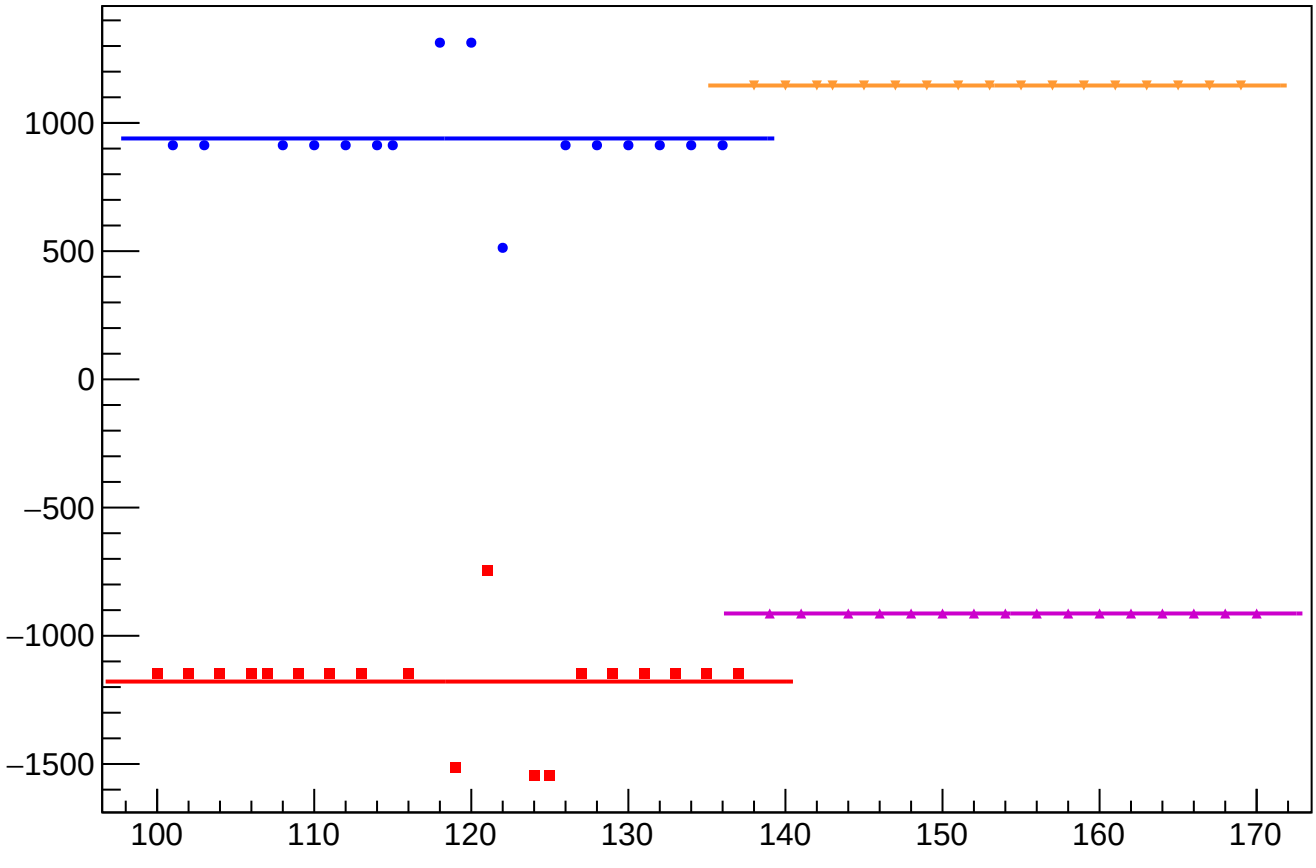
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -5.328+/-0.000 χ^2/NDF:537249973931915601

Out: 4.717+/-0.000 χ^2/NDF:503685410828281738

All: -0.195+/-0.000 χ^2/NDF: 1147105064323

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:539787745506340788474426163 2.0/16

Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415 68.0/18

Left In: -912.995+/-0.000 χ^2/NDF:177614775320874095651890135 04.0/15

Left: 127.267+/-0.000 χ^2/NDF: 2940834994886534

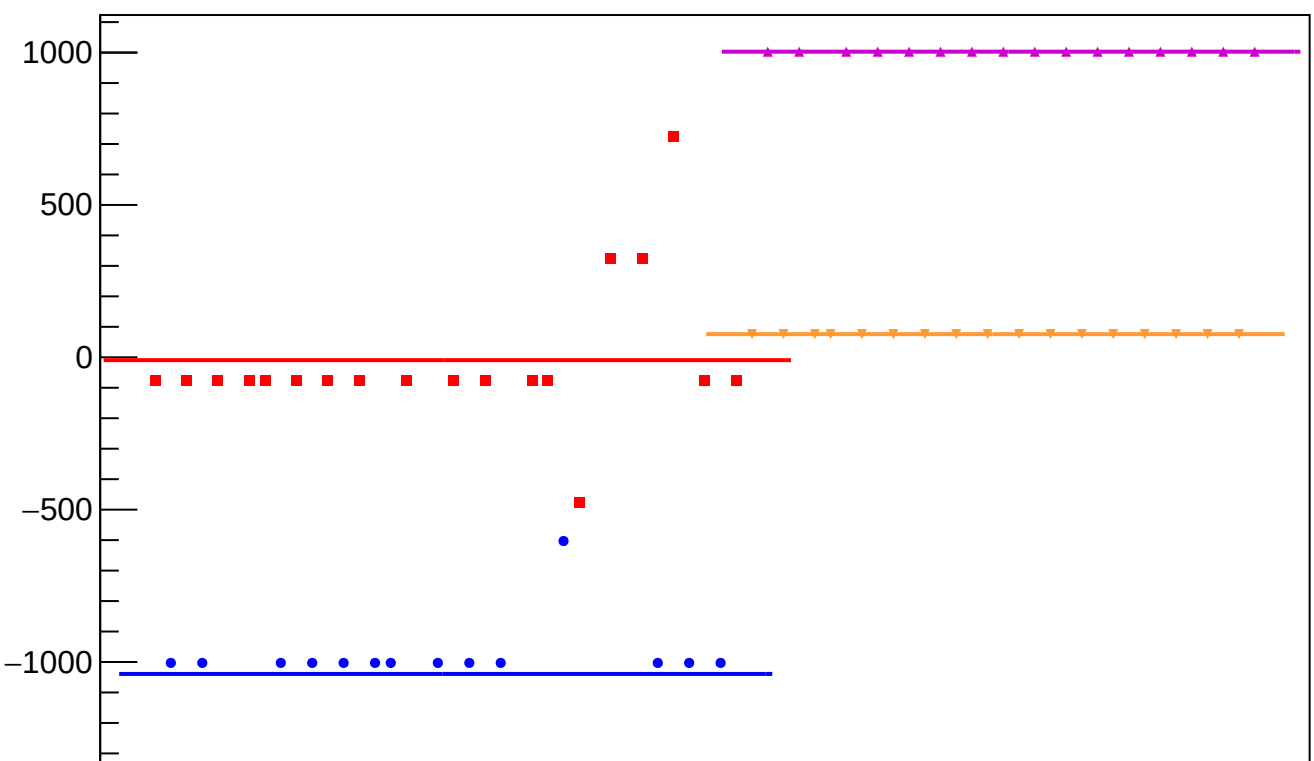
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: -263.676+/-0.000 χ^2/NDF:1672559228826008

Out: 326.791+/-0.000 χ^2/NDF:269196536833137

All: 35.076+/-0.000 χ^2/NDF: 473744164451

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 534.657+/-0.000 χ^2/NDF: 5960666482141857

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:9809040197852509361938628608.0/16

In: 287.176+/-0.000 χ^2/NDF:20299169164857345

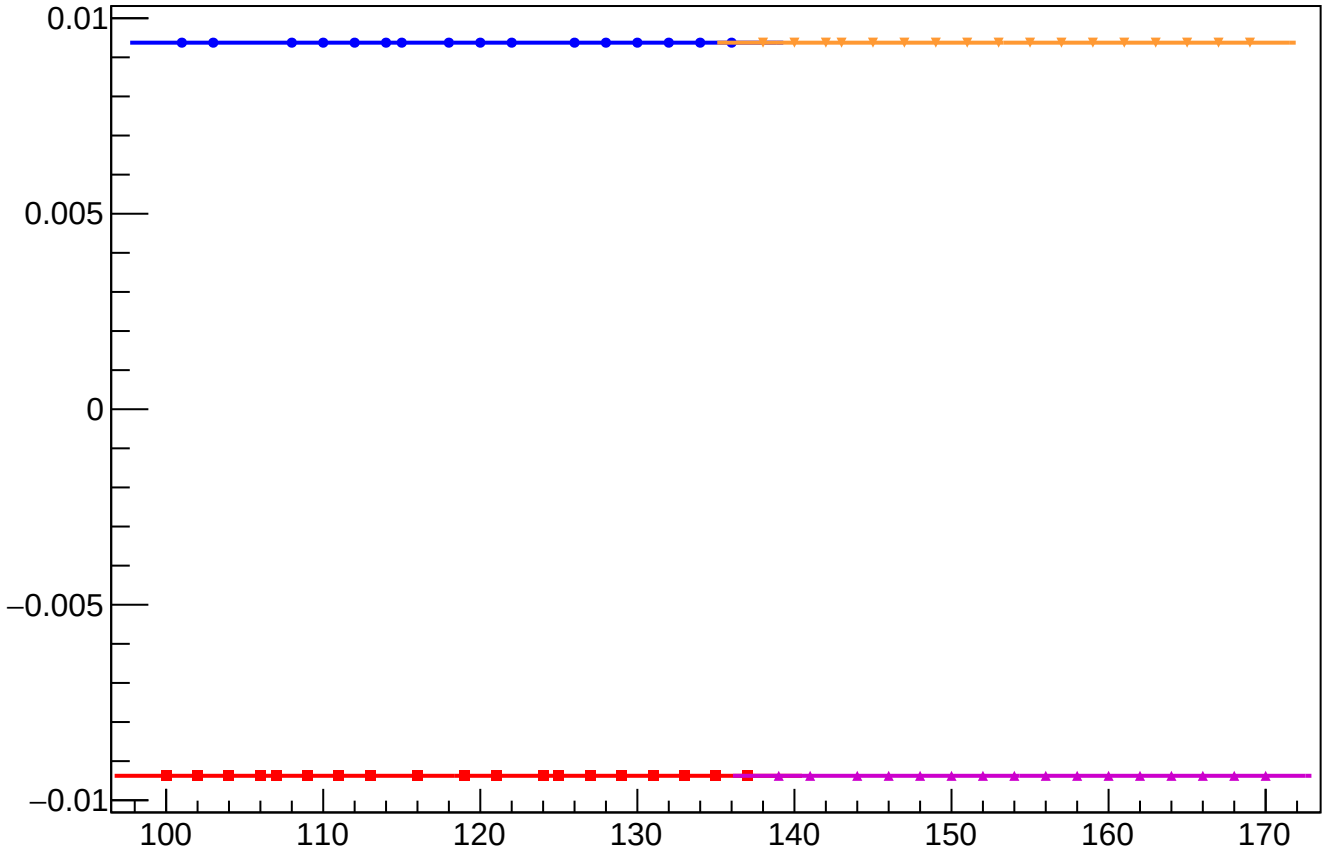
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 45.900+/-0.000 χ^2/NDF:49664405495237489

Left In: 1002.990+/-0.000 χ^2/NDF:22745077715414800597264629760.0/15

All: 165.100+/-0.000 χ^2/NDF: 21418471099

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:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

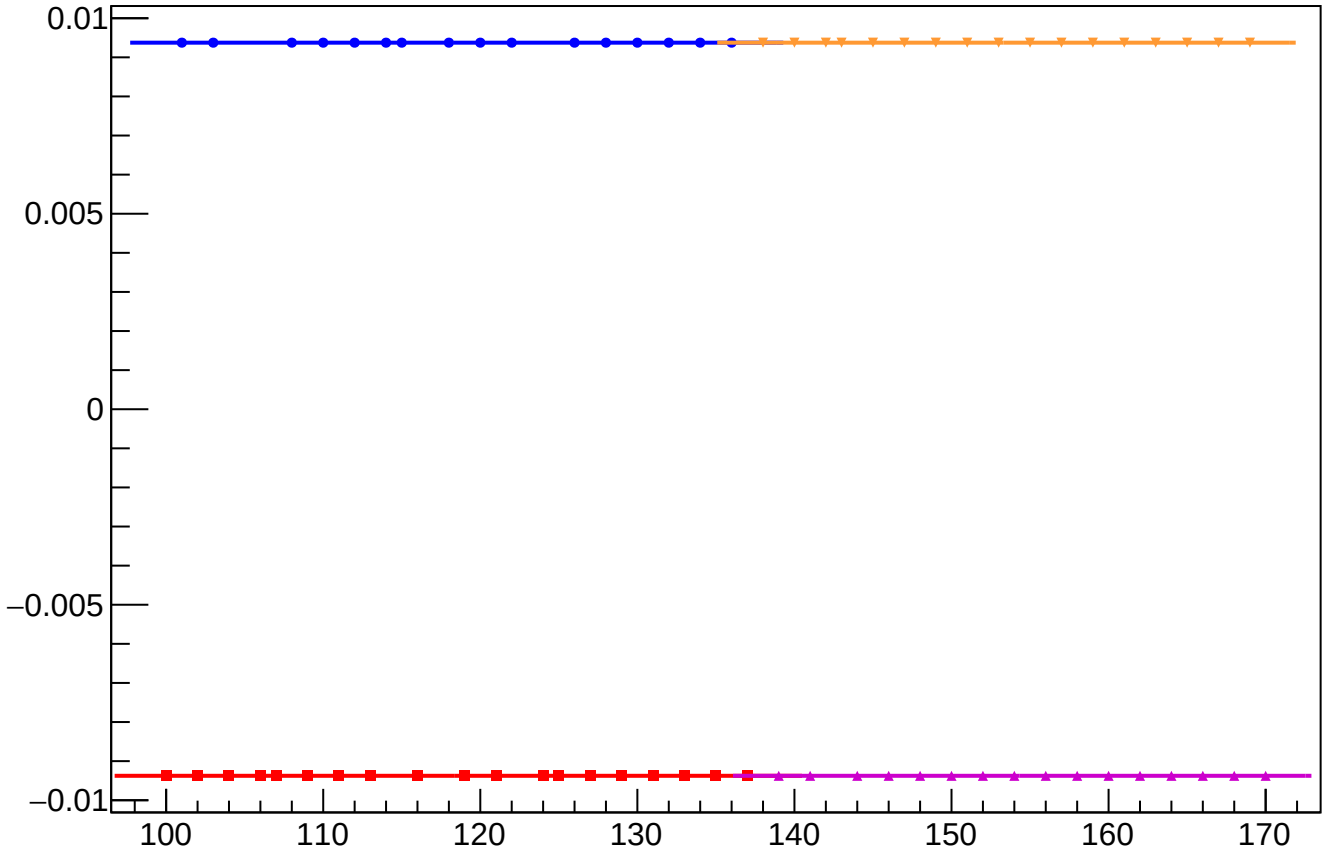
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153

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:0.0/16

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 243869847972972179

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:173706950057736379

All: 0.000+/-0.000 χ^2/NDF: 3760829779153