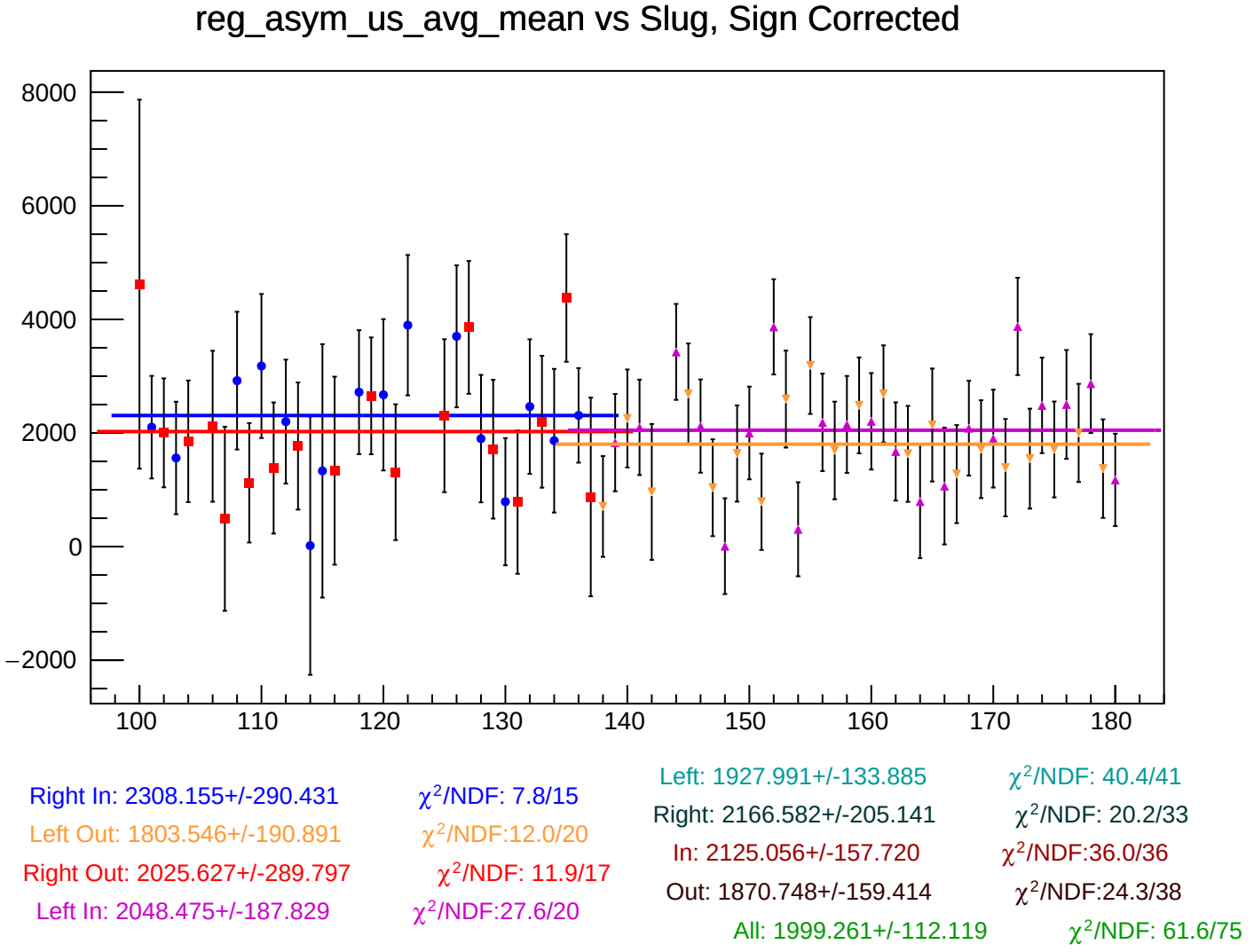
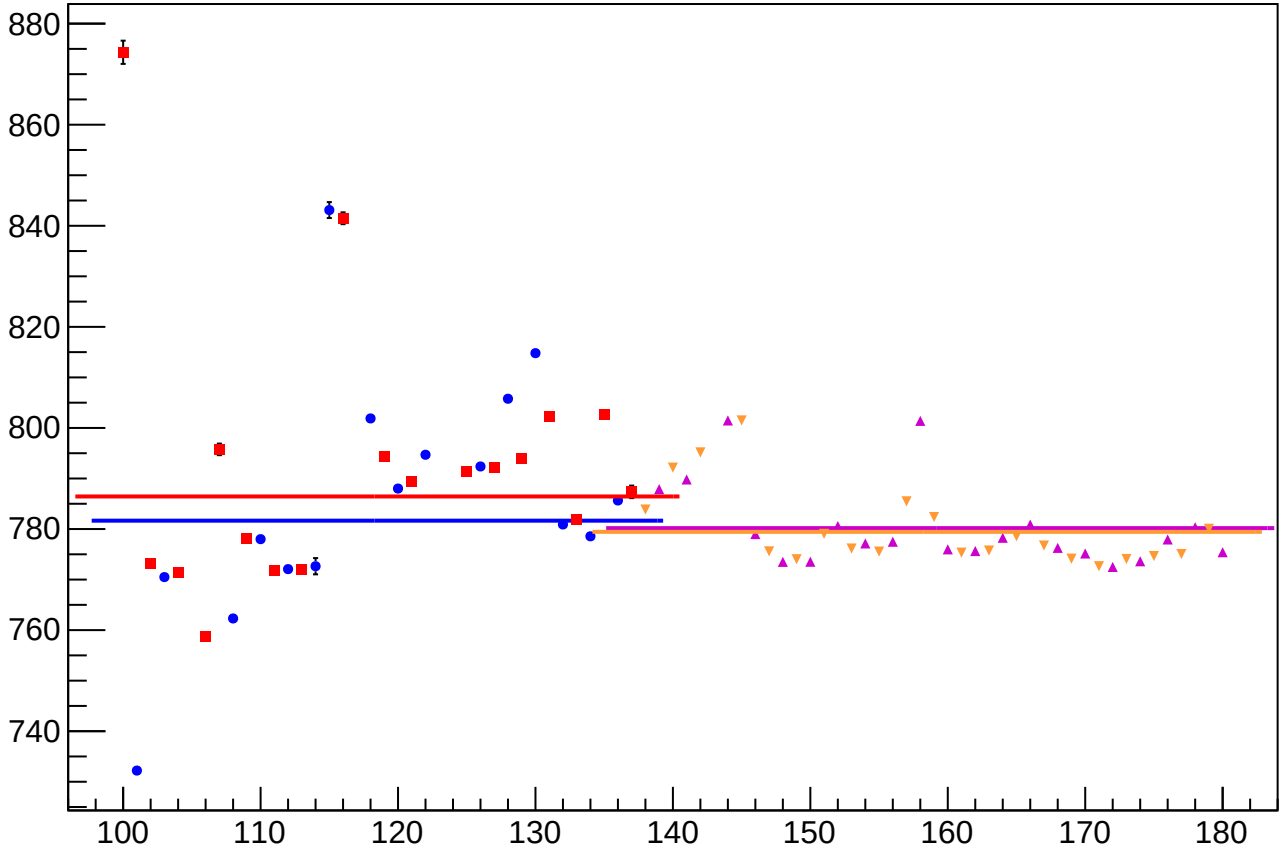

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1803.546+/-190.891
χ²/NDF:12.0/20
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2048.475+/-187.829
χ²/NDF:27.6/20
Left: 1927.991+/-133.885
χ²/NDF: 40.4/41
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2125.056+/-157.720
χ²/NDF:36.0/36
Out: 1870.748+/-159.414
χ²/NDF:24.3/38
All: 1999.261+/-112.119
χ²/NDF: 61.6/75

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

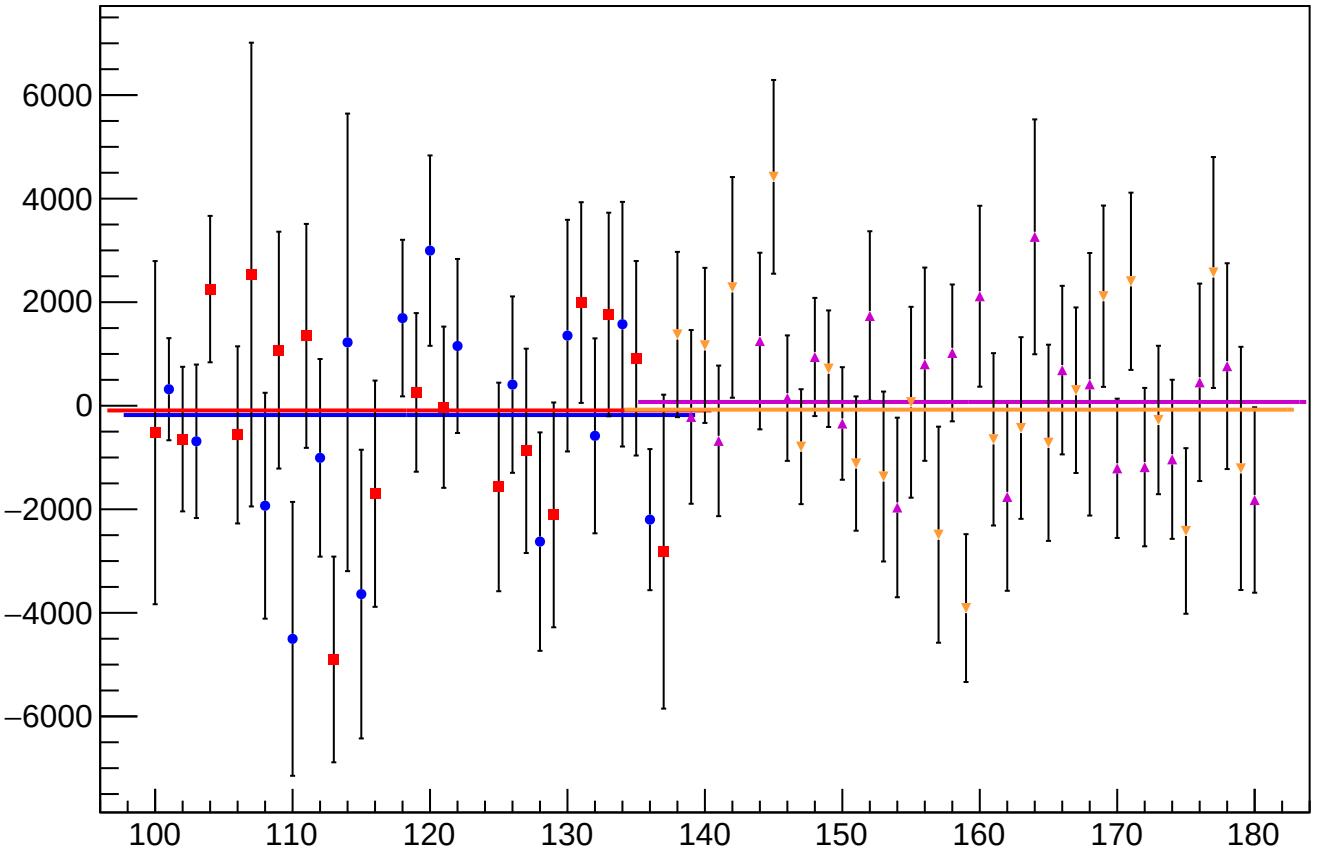
Left: 779.818+/-0.095 χ^2/NDF: 6719.3/41

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

In: 780.614+/-0.112 χ^2/NDF:16184.4/36

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

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

Left In: 72.497+/-340.311 χ^2/NDF:12.5/20

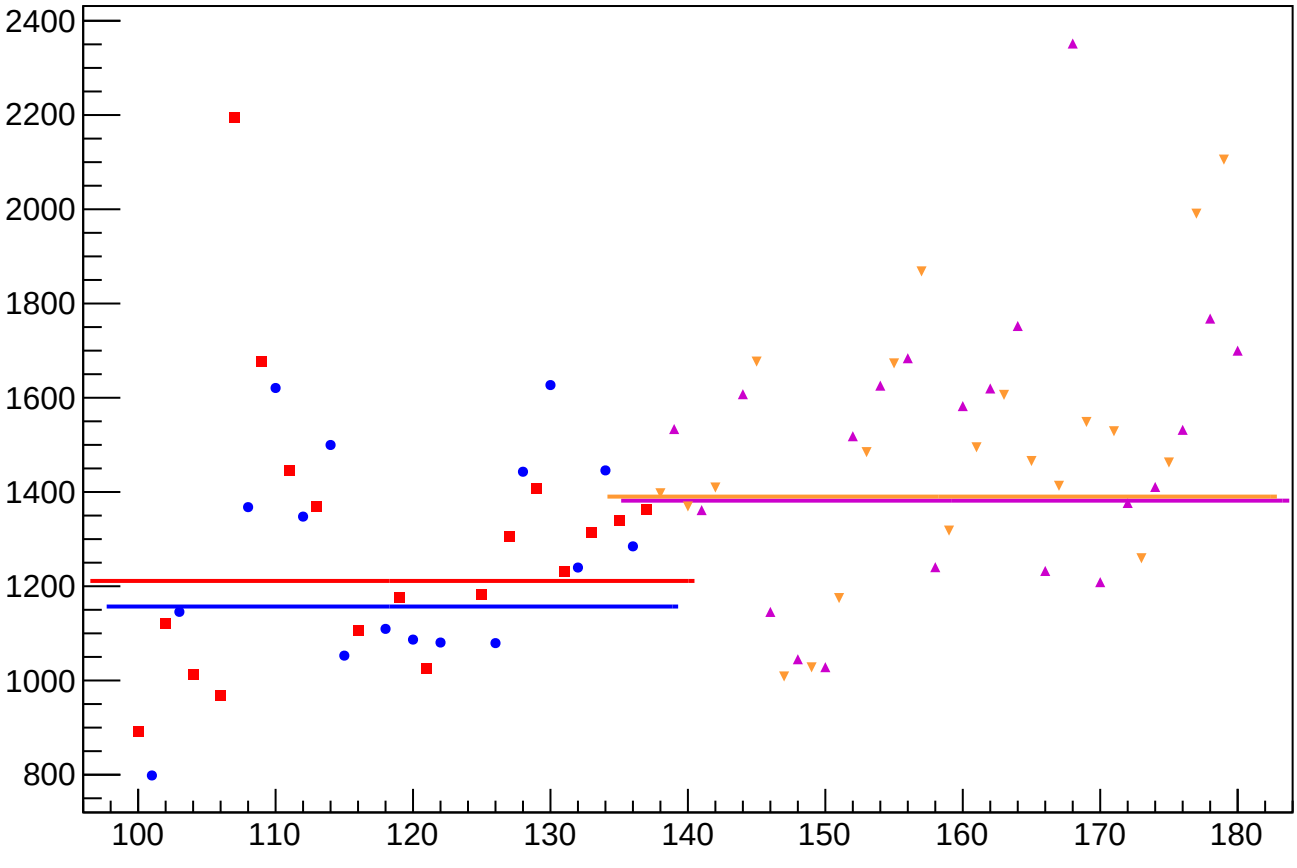
Left: 0.314+/-243.662 χ^2/NDF: 39.6/41

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

In: -21.778+/-269.367 χ^2/NDF:28.1/36

Out: -81.426+/-276.894 χ^2/NDF:42.2/38

All: -50.780+/-193.078 χ^2/NDF: 70.3/75



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

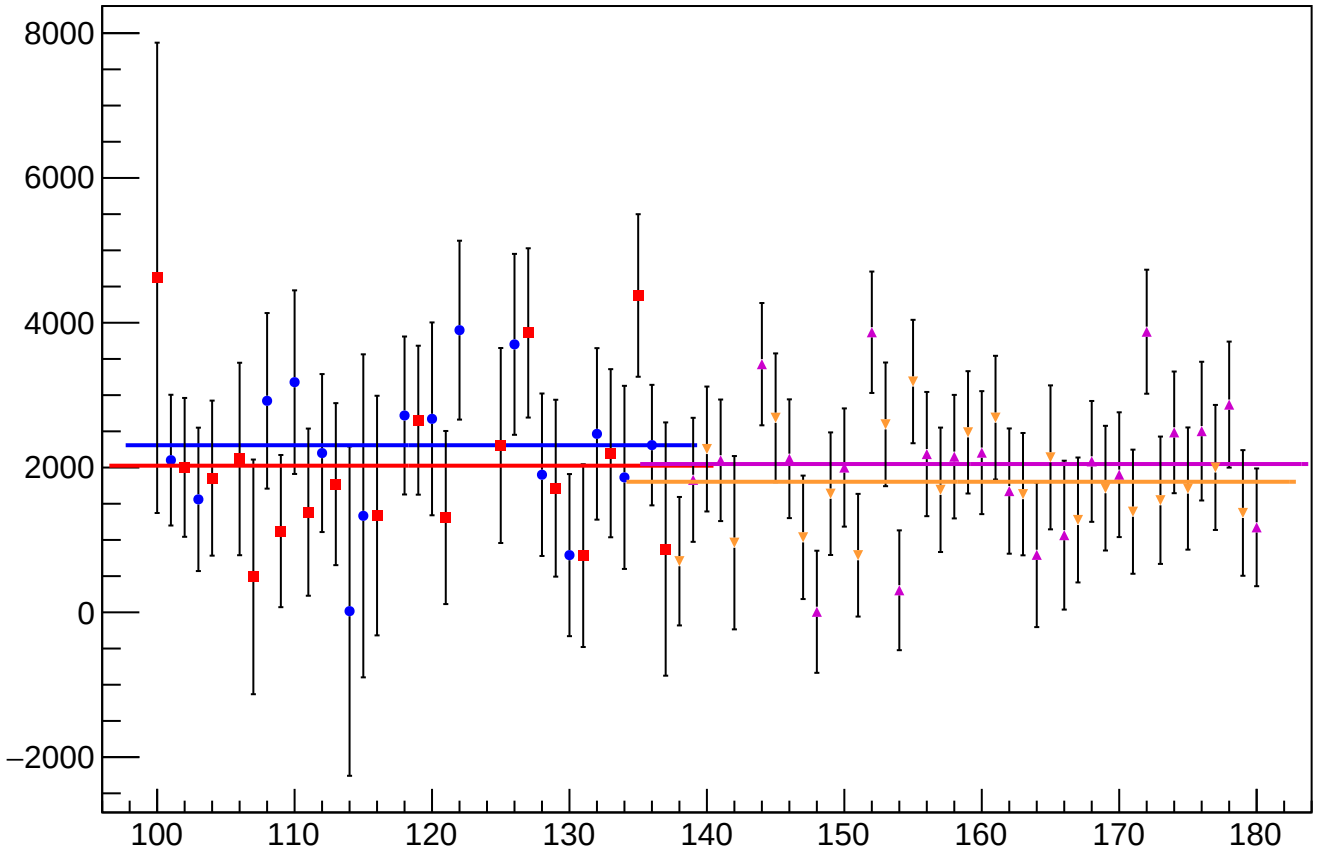
Left: 1385.837+/-0.172 χ^2/NDF: 2383959.0/41

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

In: 1297.734+/-0.190 χ^2/NDF:2145469.5/36

Out: 1323.897+/-0.196 χ^2/NDF:1725281.1/38

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75



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

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

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

Left In: 2048.475+/-187.829 χ^2/NDF:27.6/20

Left: 1927.991+/-133.885 χ^2/NDF: 40.4/41

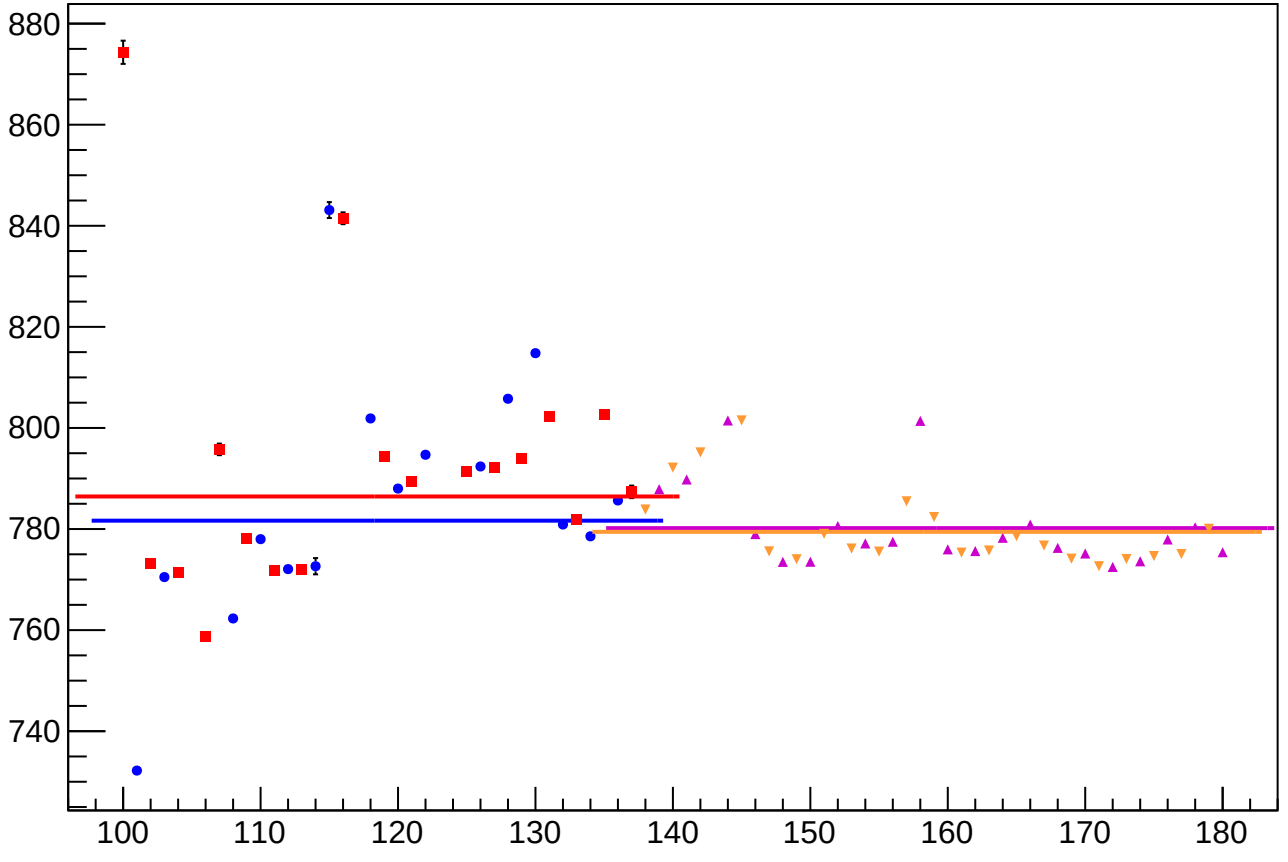
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2125.056+/-157.720 χ^2/NDF:36.0/36

Out: 1870.748+/-159.414 χ^2/NDF:24.3/38

All: 1999.261+/-112.119 χ^2/NDF: 61.6/75

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

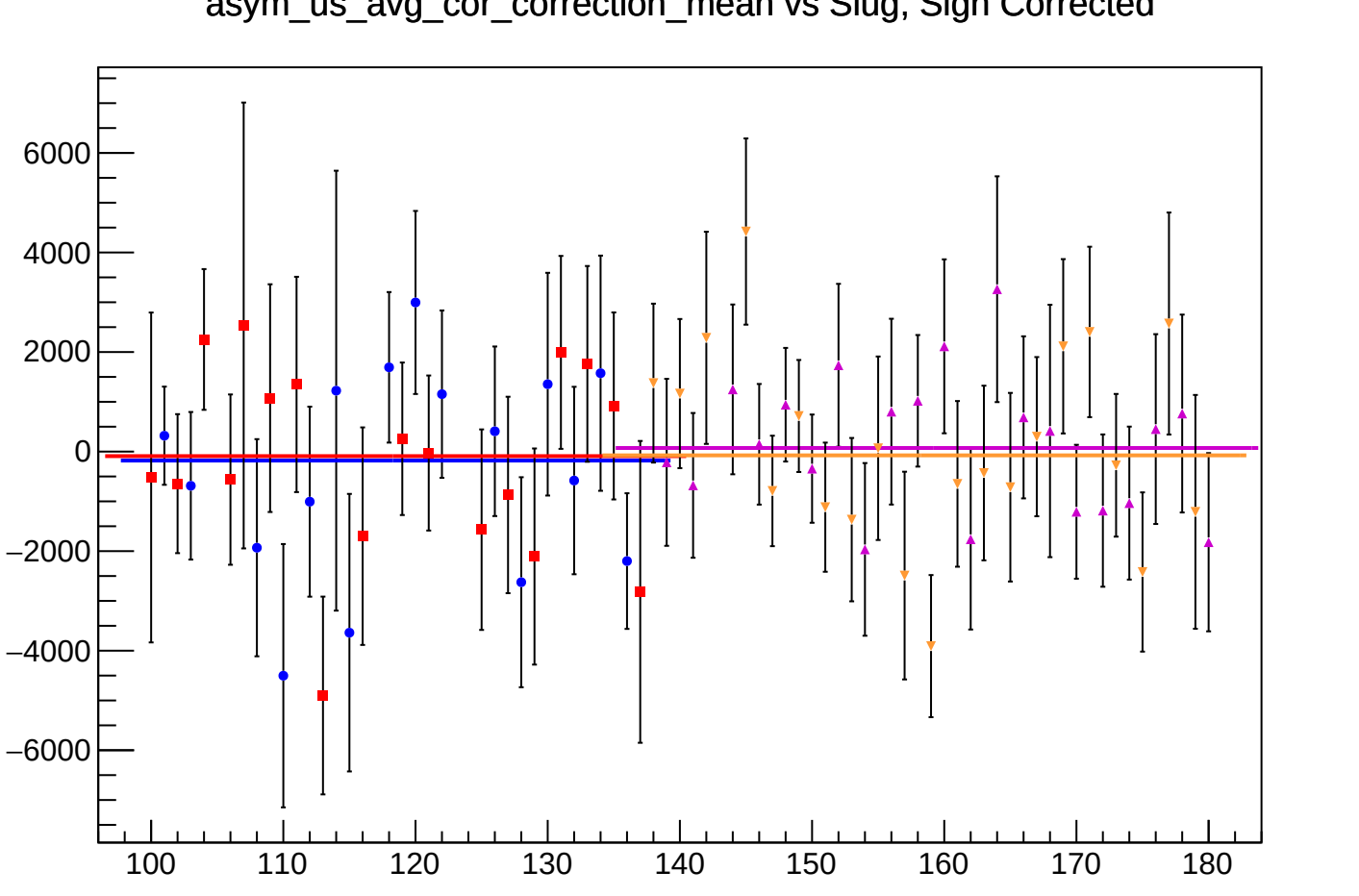
Left: 779.818+/-0.095 χ^2/NDF: 6719.3/41

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

In: 780.614+/-0.112 χ^2/NDF:16184.4/36

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

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

Left In: 72.497+/-340.311 χ^2/NDF:12.5/20

Left: 0.314+/-243.662 χ^2/NDF: 39.6/41

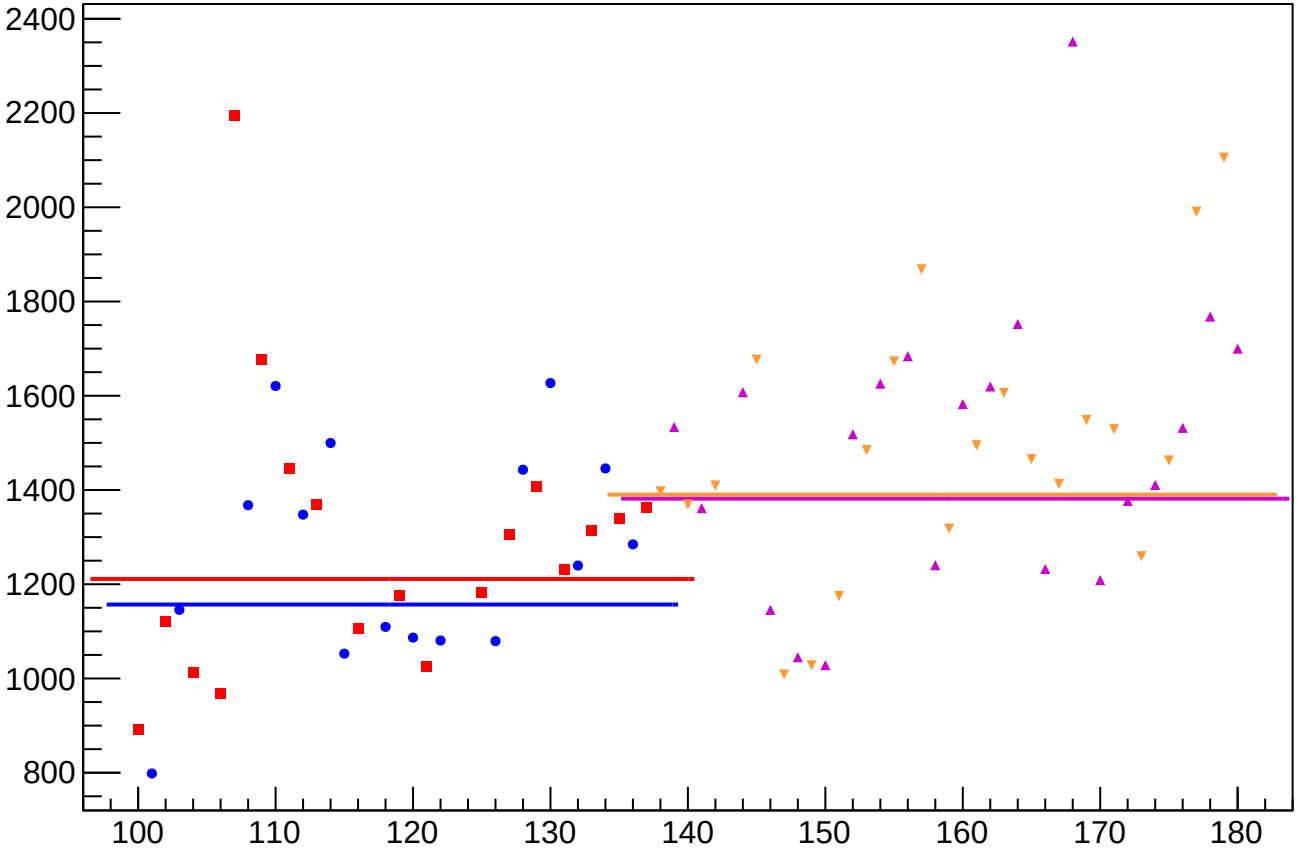
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -21.778+/-269.367 χ^2/NDF:28.1/36

Out: -81.426+/-276.894 χ^2/NDF:42.2/38

All: -50.780+/-193.078 χ^2/NDF: 70.3/75

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

Left: 1385.837+/-0.172 χ^2/NDF: 2383959.0/41

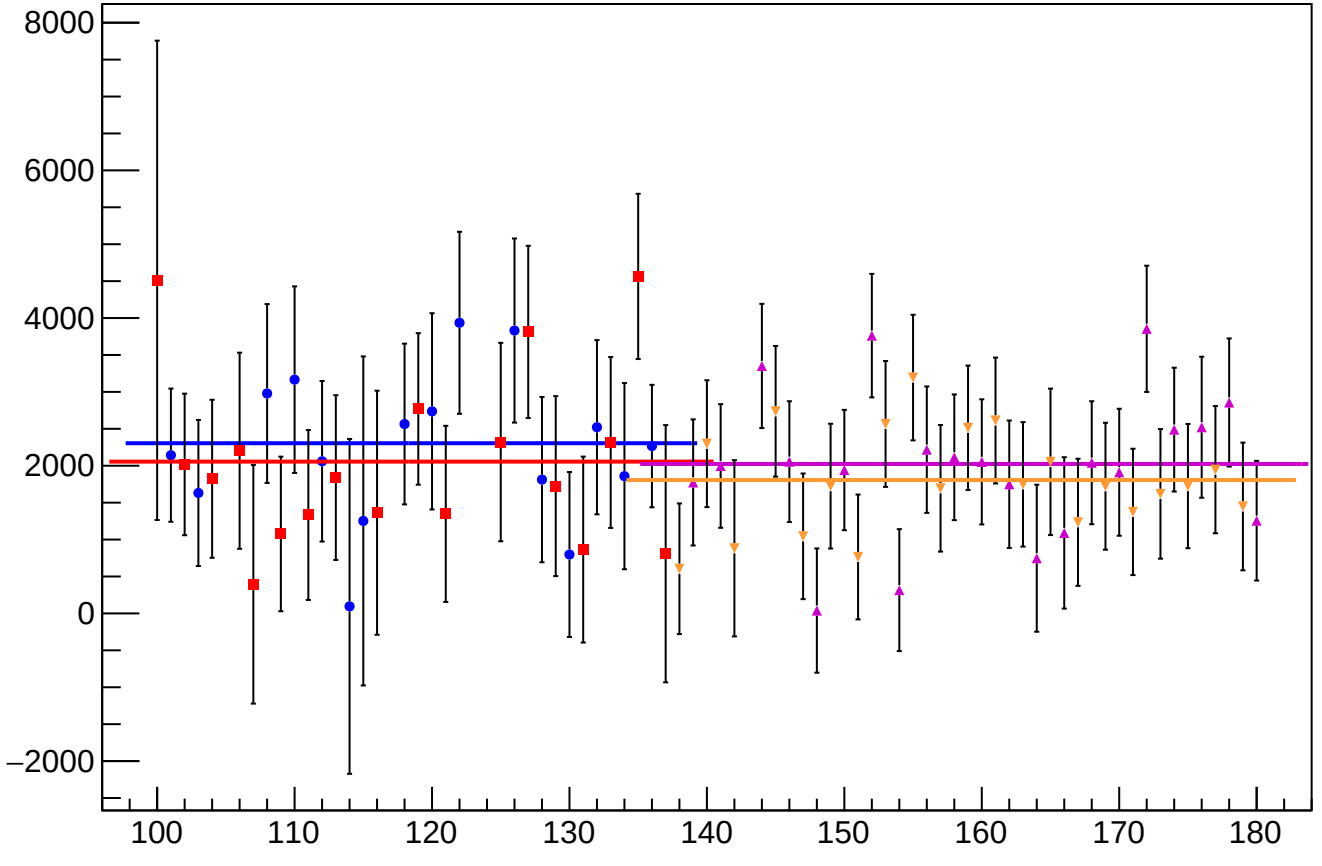
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1297.734+/-0.190 χ^2/NDF:2145469.5/36

Out: 1323.897+/-0.196 χ^2/NDF:1725281.1/38

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1806.490+/-190.382 χ^2/NDF:12.3/20

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

Left In: 2023.869+/-187.326 χ^2/NDF:26.4/20

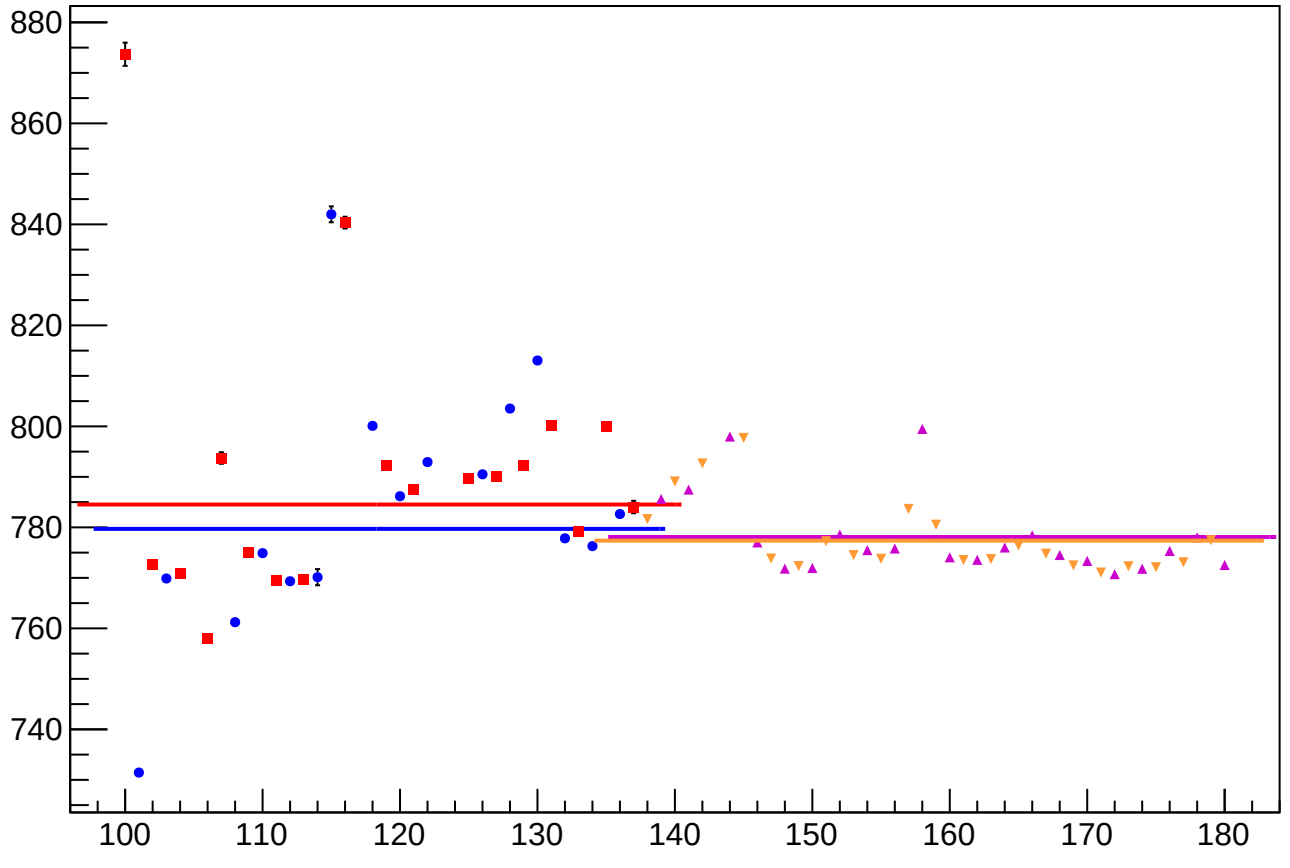
Left: 1916.938+/-133.527 χ^2/NDF: 39.4/41

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

In: 2106.712+/-157.305 χ^2/NDF:35.1/36

Out: 1881.866+/-159.000 χ^2/NDF:25.7/38

All: 1995.494+/-111.826 χ^2/NDF: 61.9/75



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

Left Out: 777.374+/-0.135 χ^2/NDF:2569.5/20

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

Left In: 778.091+/-0.132 χ^2/NDF:3630.5/20

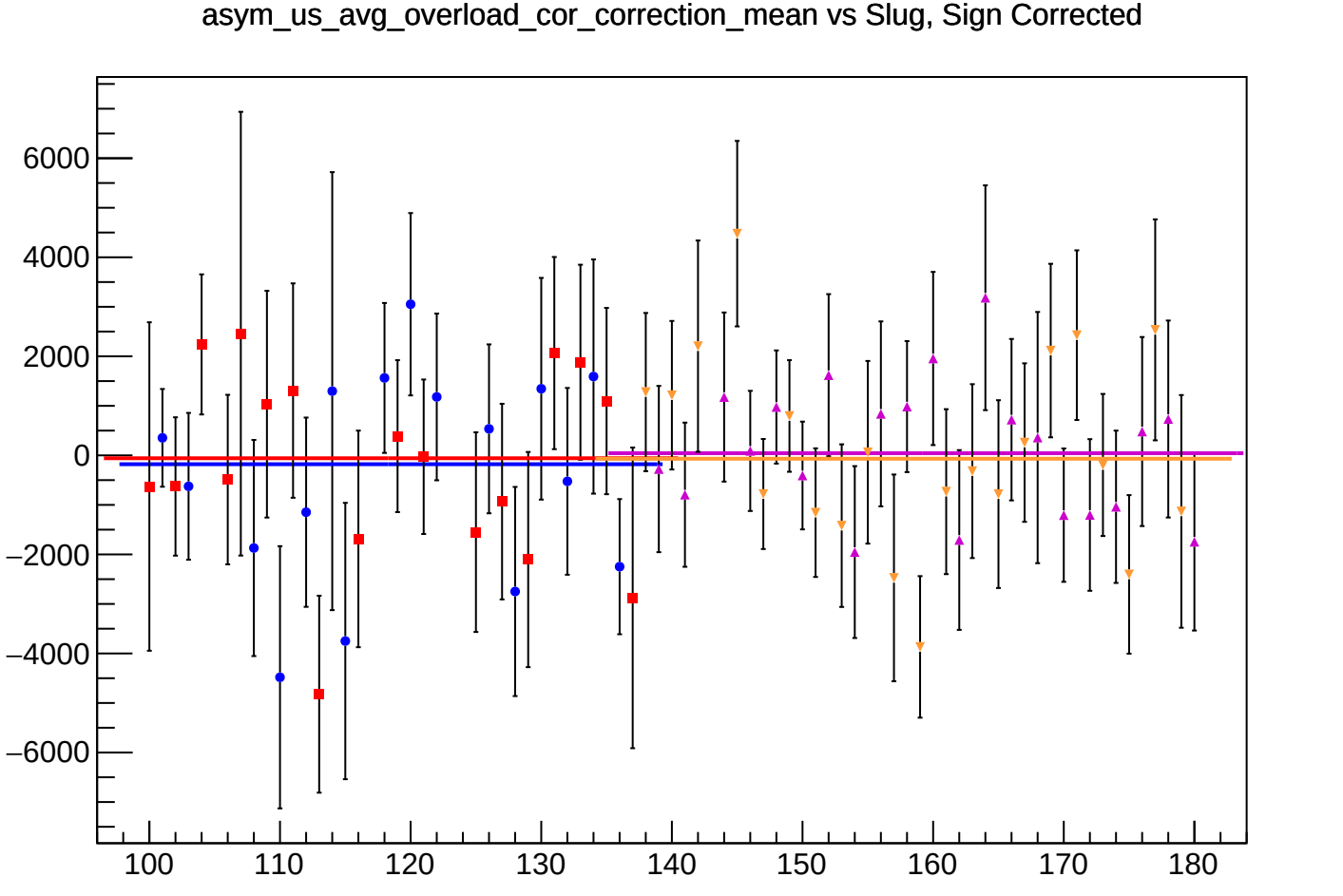
Left: 777.738+/-0.094 χ^2/NDF: 6214.4/41

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

In: 778.566+/-0.111 χ^2/NDF:15734.3/36

Out: 779.537+/-0.112 χ^2/NDF:10582.9/38

All: 779.046+/-0.079 χ^2/NDF: 26355.0/75



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

Left Out: -67.610+/-349.348 χ^2/NDF:27.0/20

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

Left In: 43.767+/-340.615 χ^2/NDF:12.0/20

Left: -10.512+/-243.880 χ^2/NDF: 39.0/41

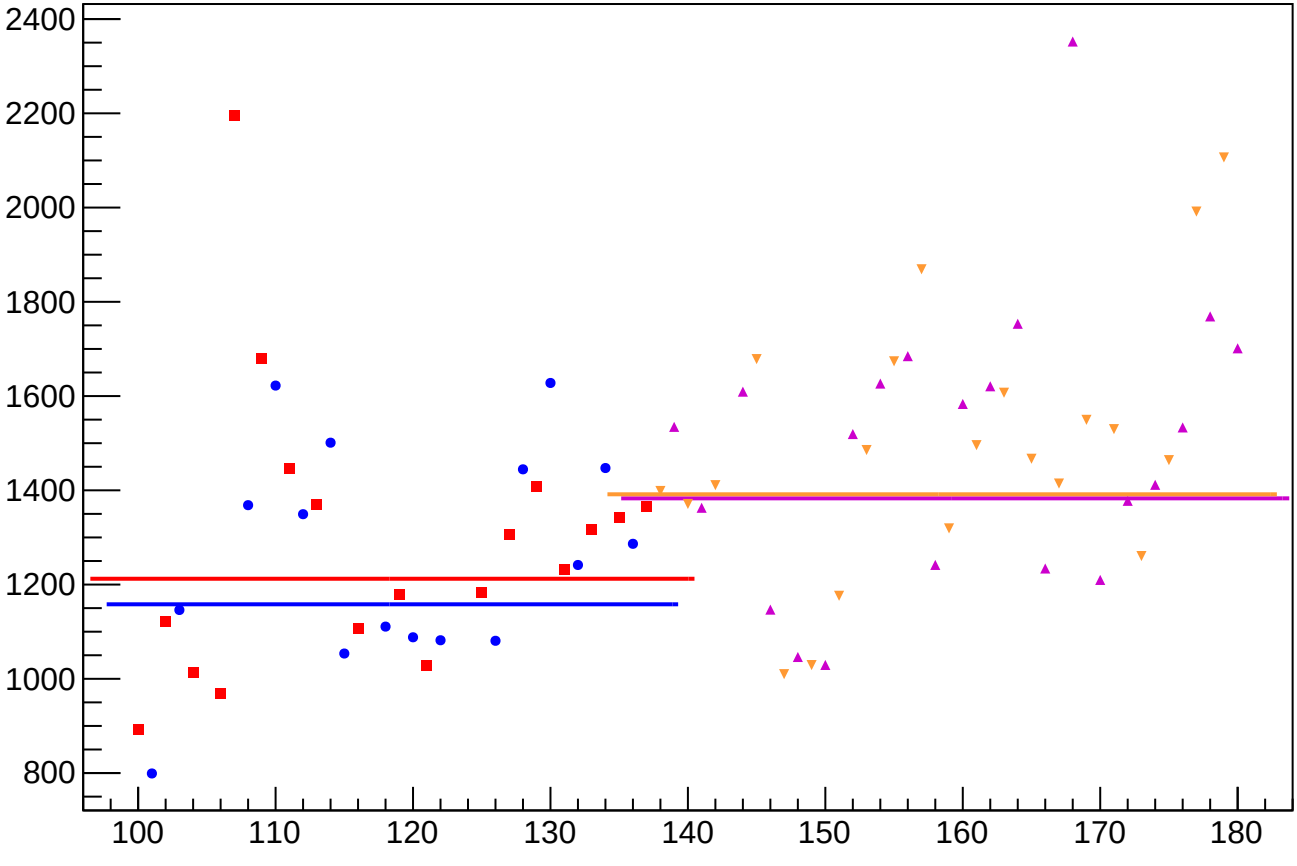
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -39.215+/-269.620 χ^2/NDF:27.9/36

Out: -64.063+/-277.142 χ^2/NDF:42.2/38

All: -51.297+/-193.255 χ^2/NDF: 70.1/75

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1391.570+/-0.247 χ^2/NDF:1129811.8/20

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

Left In: 1382.960+/-0.241 χ^2/NDF:1247939.8/20

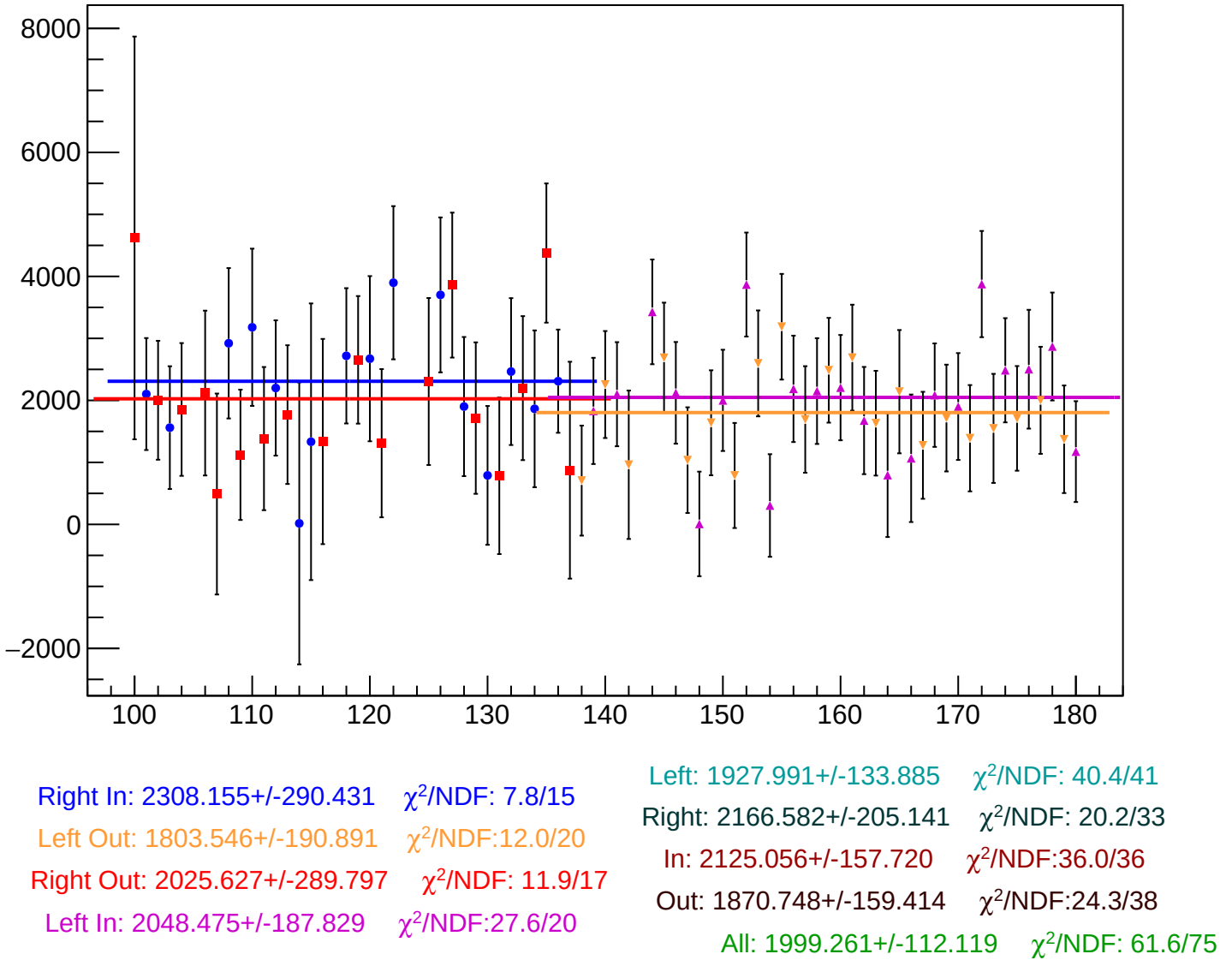
Left: 1387.156+/-0.172 χ^2/NDF: 2378374.3/41

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

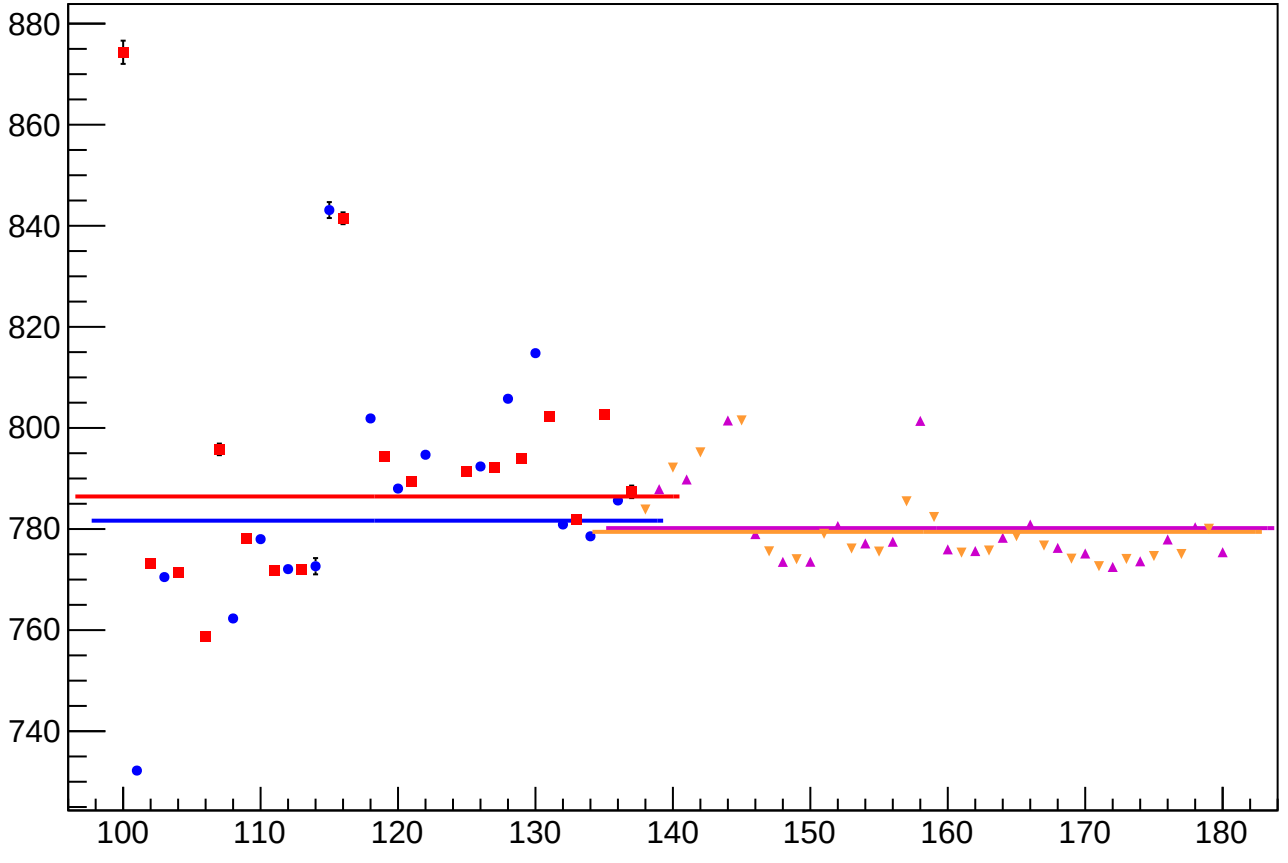
In: 1299.005+/-0.191 χ^2/NDF:2142468.5/36

Out: 1325.140+/-0.196 χ^2/NDF:1722856.0/38

All: 1311.713+/-0.137 χ^2/NDF: 3874461.5/75


eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1803.546+/-190.891 χ²/NDF:12.0/20
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 2048.475+/-187.829 χ²/NDF:27.6/20
Left: 1927.991+/-133.885 χ²/NDF: 40.4/41
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2125.056+/-157.720 χ²/NDF:36.0/36
Out: 1870.748+/-159.414 χ²/NDF:24.3/38
All: 1999.261+/-112.119 χ²/NDF: 61.6/75

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

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

Left In: 780.179+/-0.133 χ^2/NDF:3829.0/20

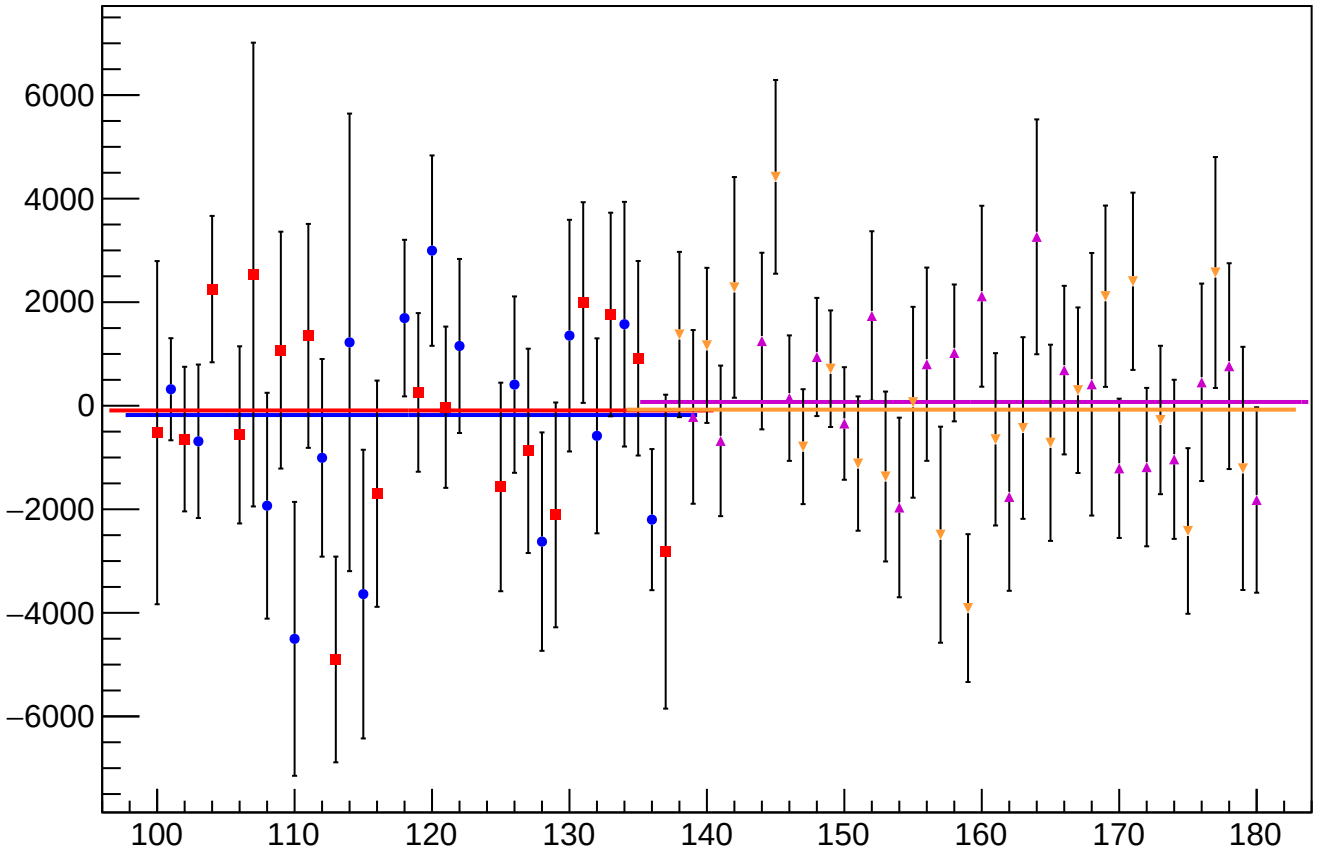
Left: 779.818+/-0.095 χ^2/NDF: 6719.3/41

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

In: 780.614+/-0.112 χ^2/NDF:16184.4/36

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.083+/-0.079 χ^2/NDF: 27110.5/75



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

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

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

Left In: 72.497+/-340.311 χ^2/NDF:12.5/20

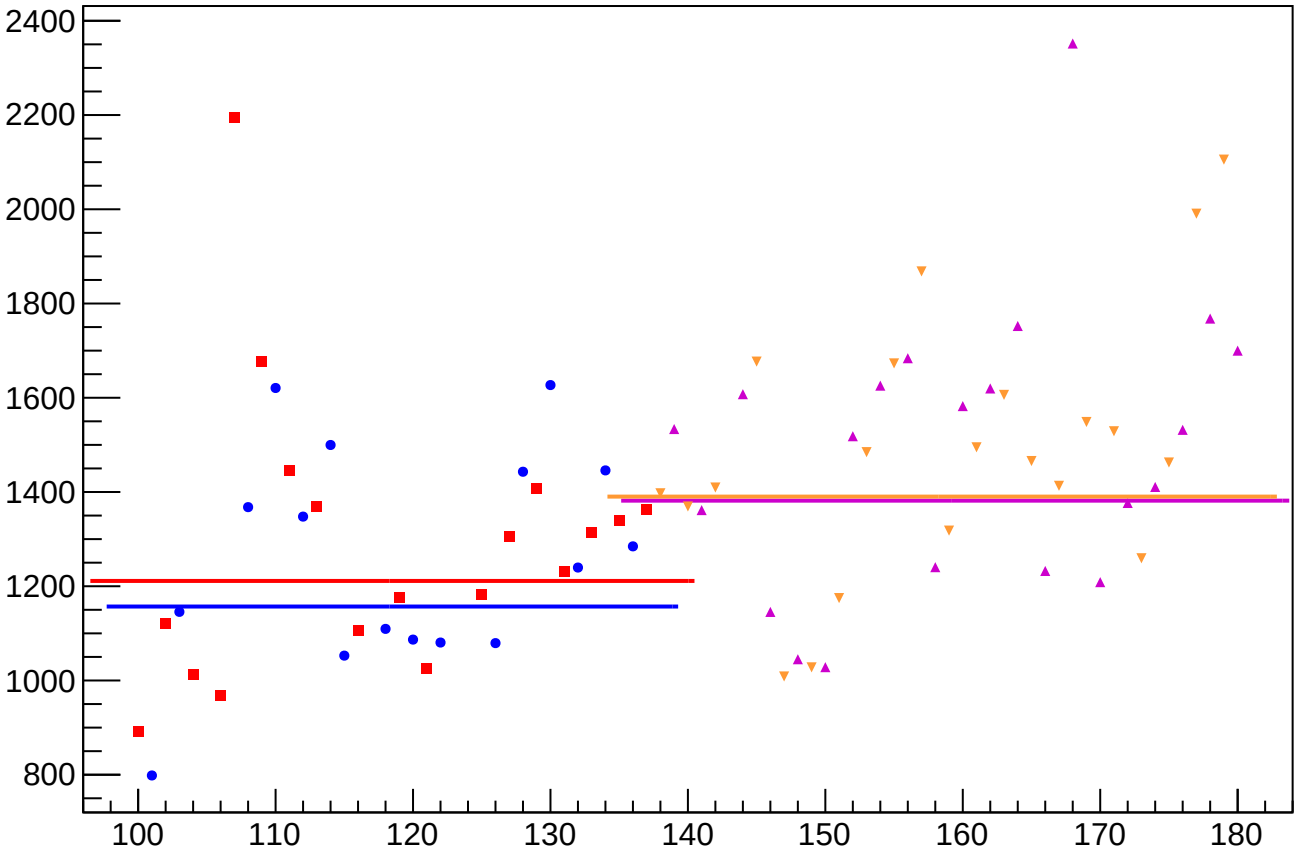
Left: 0.314+/-243.662 χ^2/NDF: 39.6/41

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

In: -21.778+/-269.367 χ^2/NDF:28.1/36

Out: -81.426+/-276.894 χ^2/NDF:42.2/38

All: -50.780+/-193.078 χ^2/NDF: 70.3/75



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

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

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

Left In: 1381.658+/-0.241 χ^2/NDF:1250674.4/20

Left: 1385.837+/-0.172 χ^2/NDF: 2383959.0/41

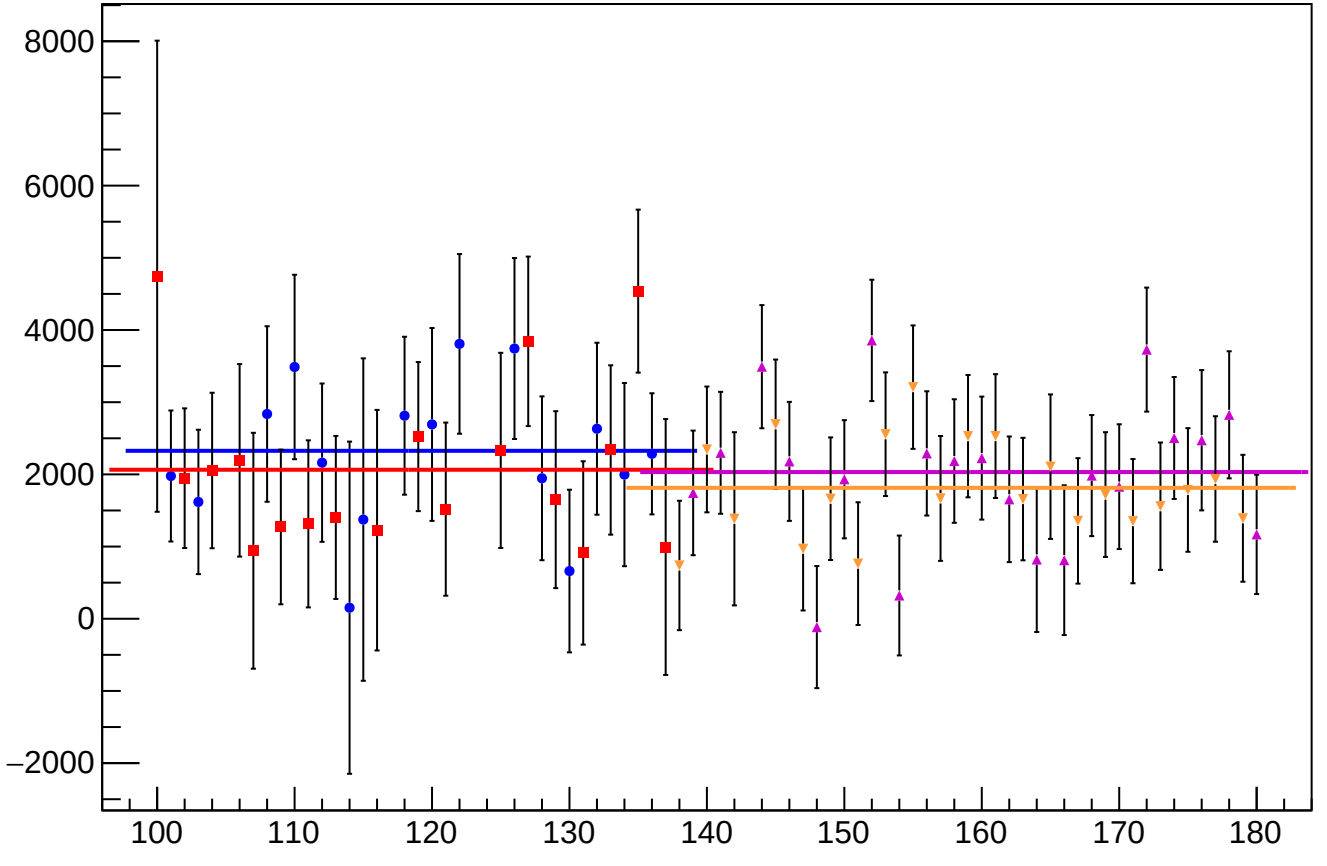
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1297.734+/-0.190 χ^2/NDF:2145469.5/36

Out: 1323.897+/-0.196 χ^2/NDF:1725281.1/38

All: 1310.455+/-0.137 χ^2/NDF: 3879924.7/75

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1813.979+/-191.988 χ^2/NDF:11.3/20

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

Left In: 2032.053+/-188.950 χ^2/NDF:28.2/20

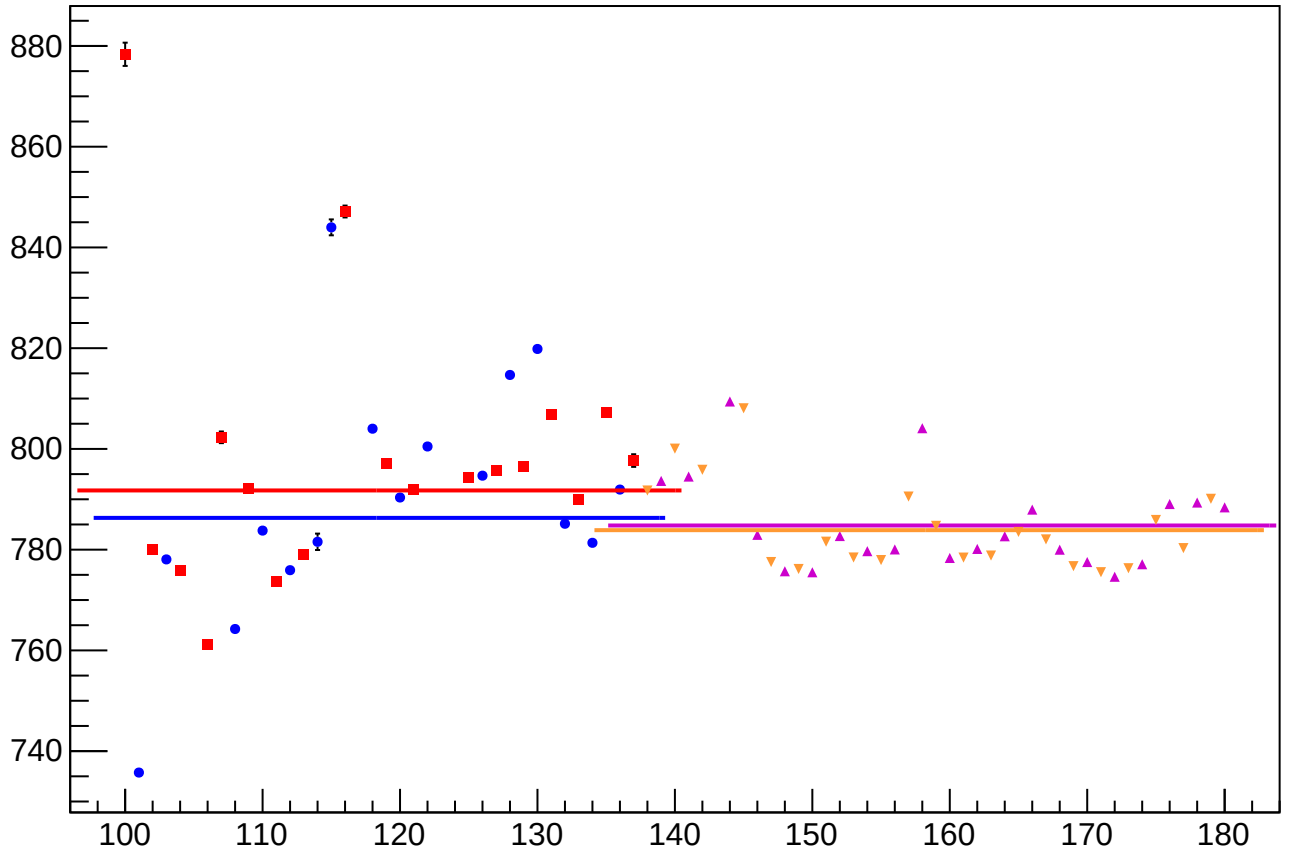
Left: 1924.755+/-134.669 χ^2/NDF: 40.1/41

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

In: 2118.862+/-158.663 χ^2/NDF:37.0/36

Out: 1889.509+/-160.385 χ^2/NDF:23.5/38

All: 2005.423+/-112.795 χ^2/NDF: 61.5/75



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

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

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

Left In: 784.797+/-0.134 χ^2/NDF:4788.2/20

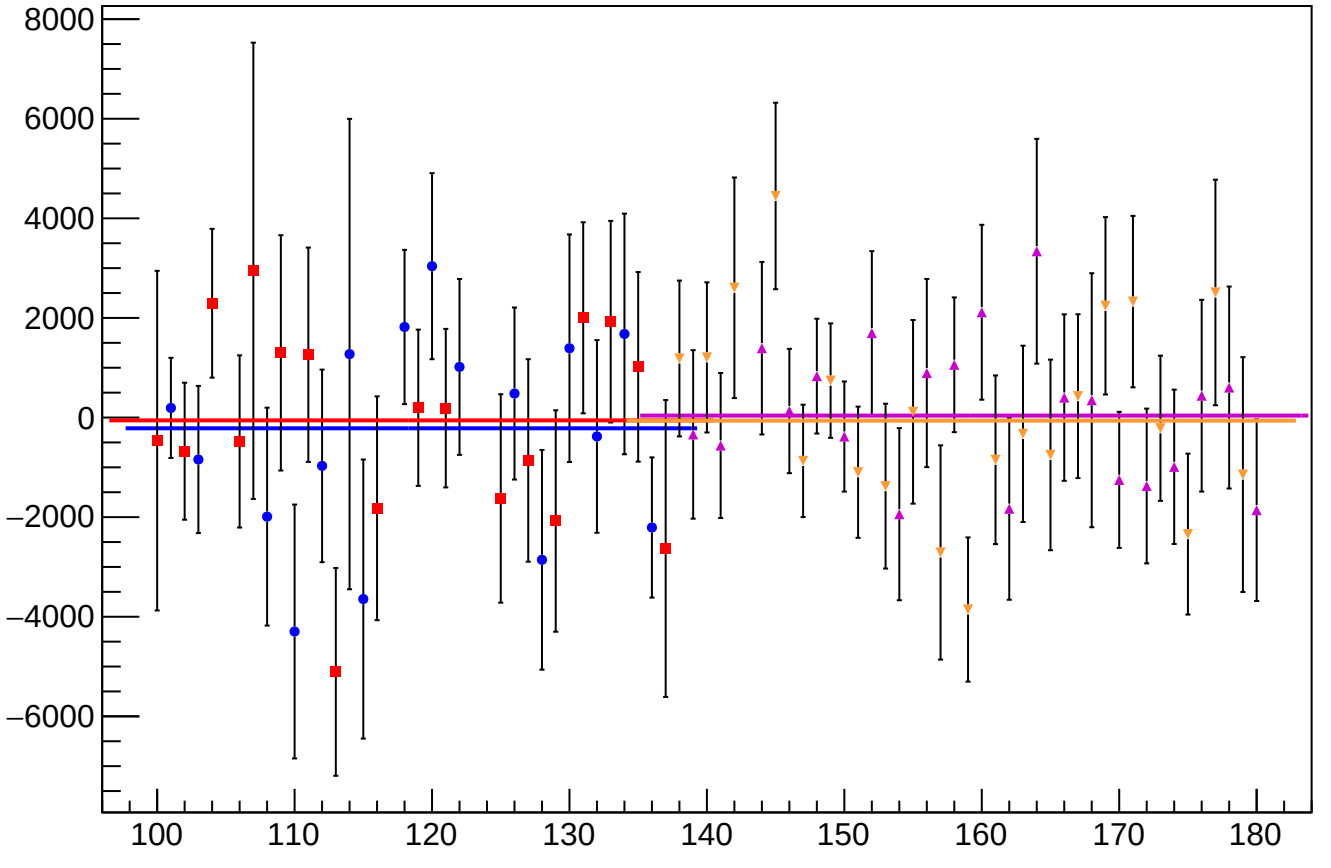
Left: 784.341+/-0.095 χ^2/NDF: 8676.4/41

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

In: 785.243+/-0.112 χ^2/NDF:17397.0/36

Out: 786.253+/-0.113 χ^2/NDF:11899.0/38

All: 785.743+/-0.080 χ^2/NDF: 29336.1/75



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

Left Out: -62.257+/-353.531 χ^2/NDF:26.8/20

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

Left In: 39.371+/-344.885 χ^2/NDF:12.6/20

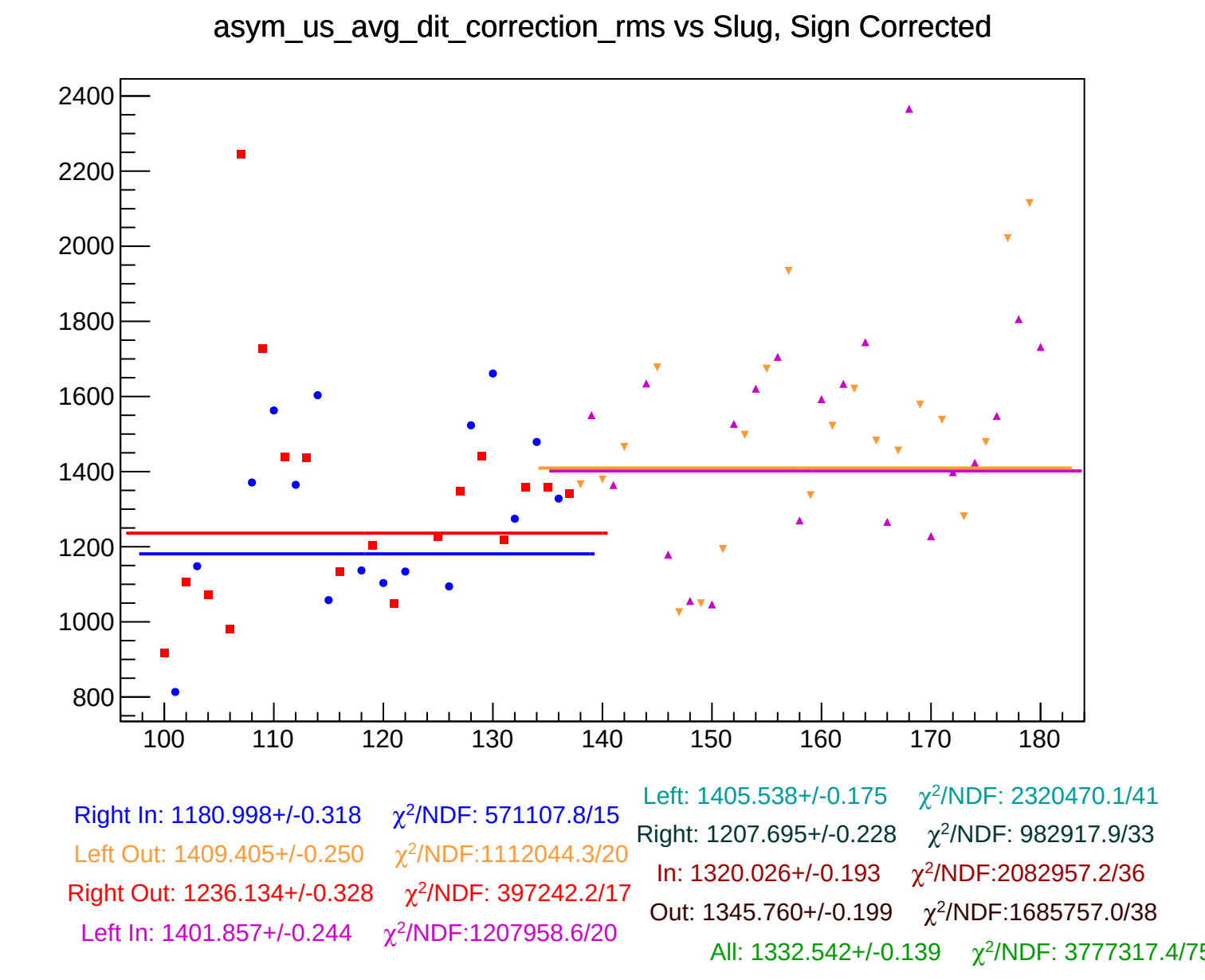
Left: -10.185+/-246.870 χ^2/NDF: 39.4/41

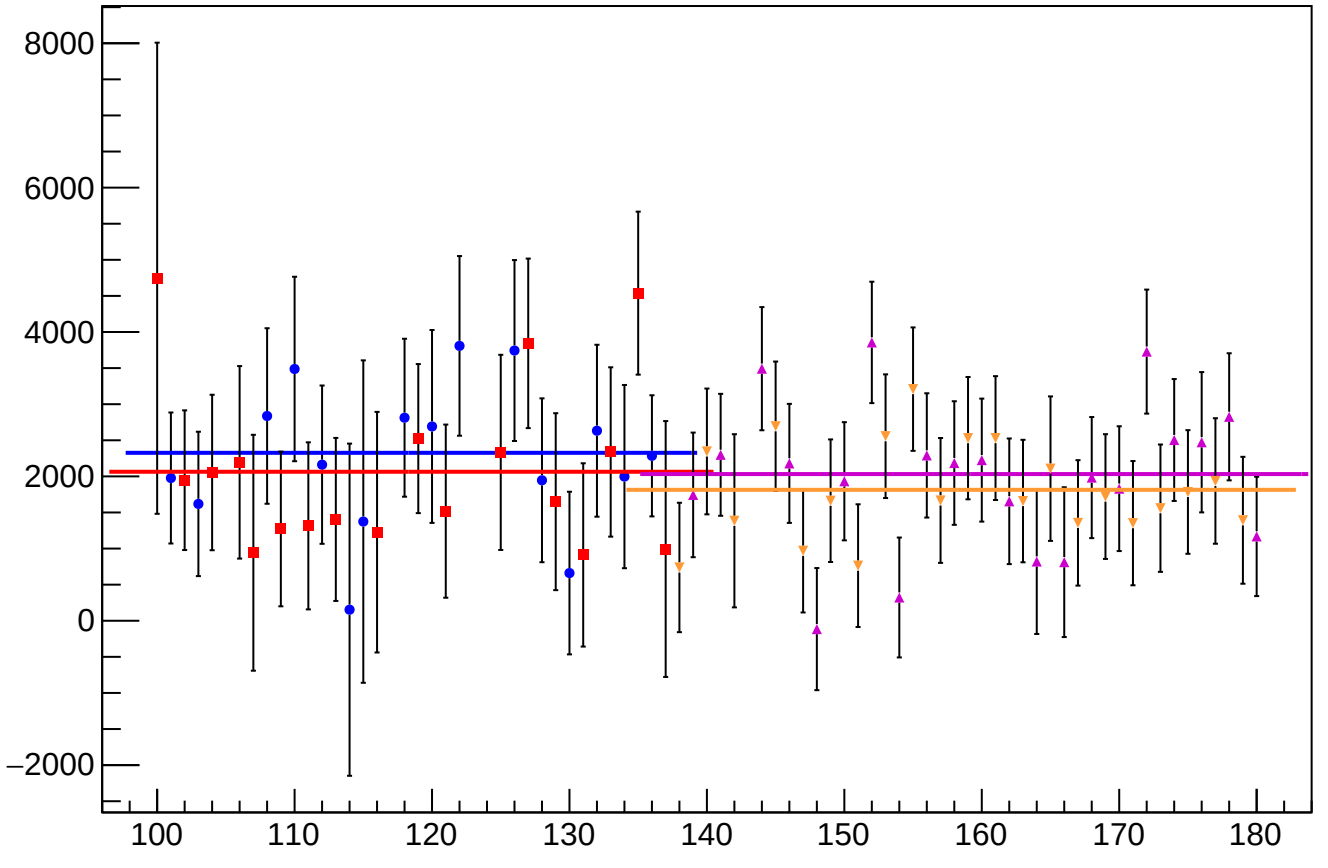
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -55.316+/-273.632 χ^2/NDF:28.0/36

Out: -60.247+/-281.203 χ^2/NDF:41.9/38

All: -57.714+/-196.109 χ^2/NDF: 70.0/75


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1409.405+/-0.250 χ²/NDF:1112044.3/20
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1401.857+/-0.244 χ²/NDF:1207958.6/20
Left: 1405.538+/-0.175 χ²/NDF: 2320470.1/41
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1320.026+/-0.193 χ²/NDF:2082957.2/36
Out: 1345.760+/-0.199 χ²/NDF:1685757.0/38
All: 1332.542+/-0.139 χ²/NDF: 3777317.4/75



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

Left Out: 1813.976+/-191.988 χ^2/NDF:11.3/20

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

Left In: 2032.054+/-188.950 χ^2/NDF:28.2/20

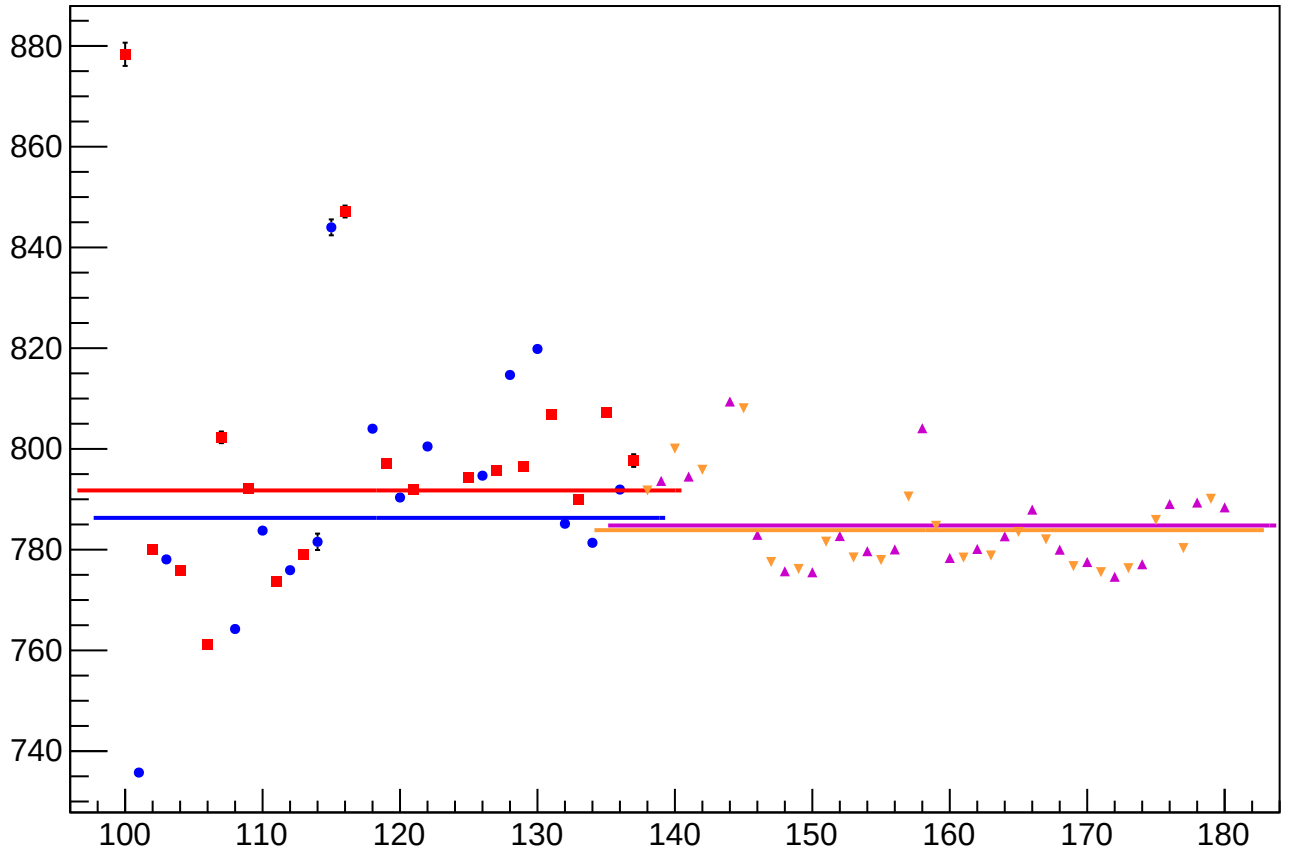
Left: 1924.754+/-134.669 χ^2/NDF: 40.1/41

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

In: 2118.862+/-158.663 χ^2/NDF:37.0/36

Out: 1889.507+/-160.385 χ^2/NDF:23.5/38

All: 2005.422+/-112.795 χ^2/NDF: 61.5/75



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

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

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

Left In: 784.798+/-0.134 χ^2/NDF:4788.2/20

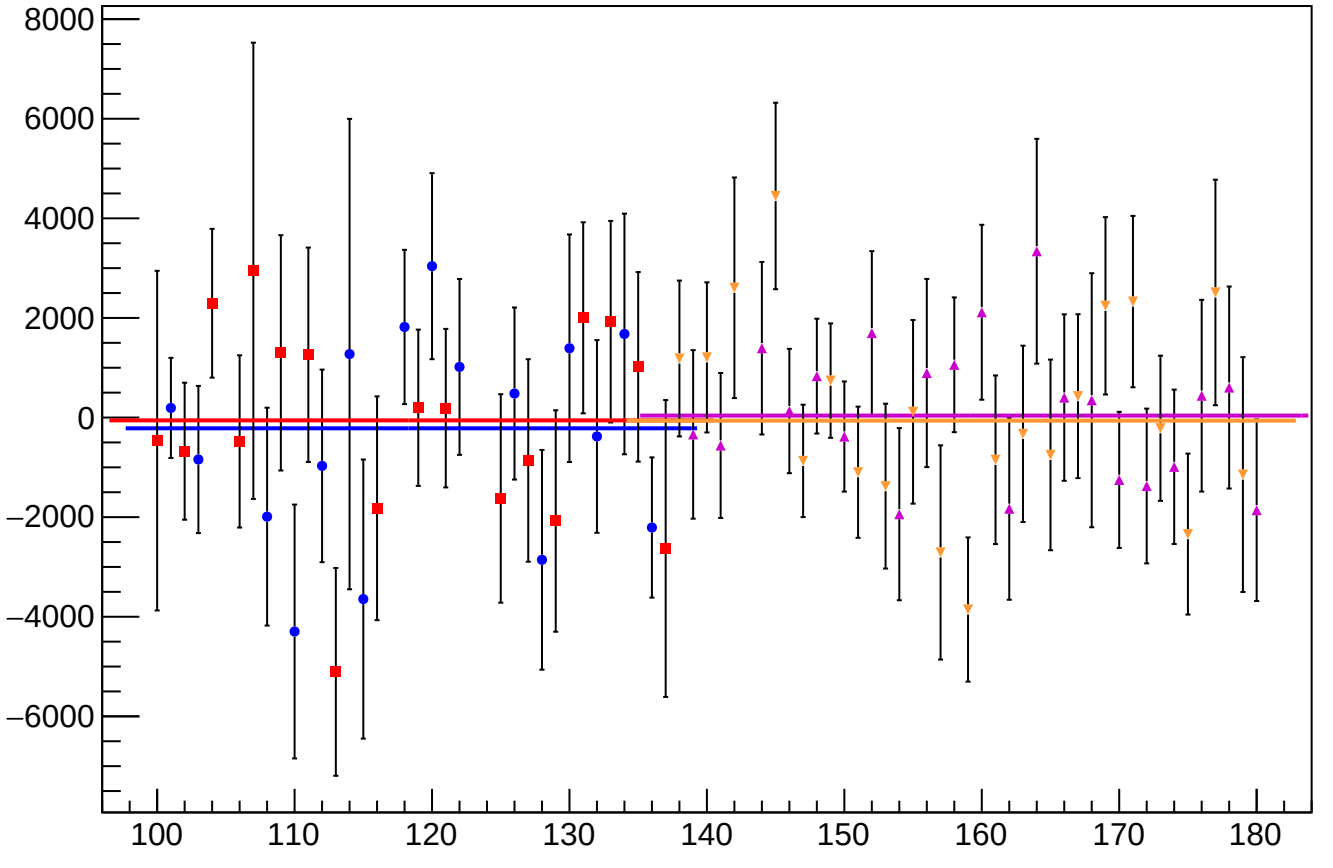
Left: 784.341+/-0.095 χ^2/NDF: 8676.4/41

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

In: 785.243+/-0.112 χ^2/NDF:17397.0/36

Out: 786.253+/-0.113 χ^2/NDF:11899.0/38

All: 785.743+/-0.080 χ^2/NDF: 29336.0/75



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

Left Out: -62.260+/-353.532 χ^2/NDF:26.8/20

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

Left In: 39.372+/-344.885 χ^2/NDF:12.6/20

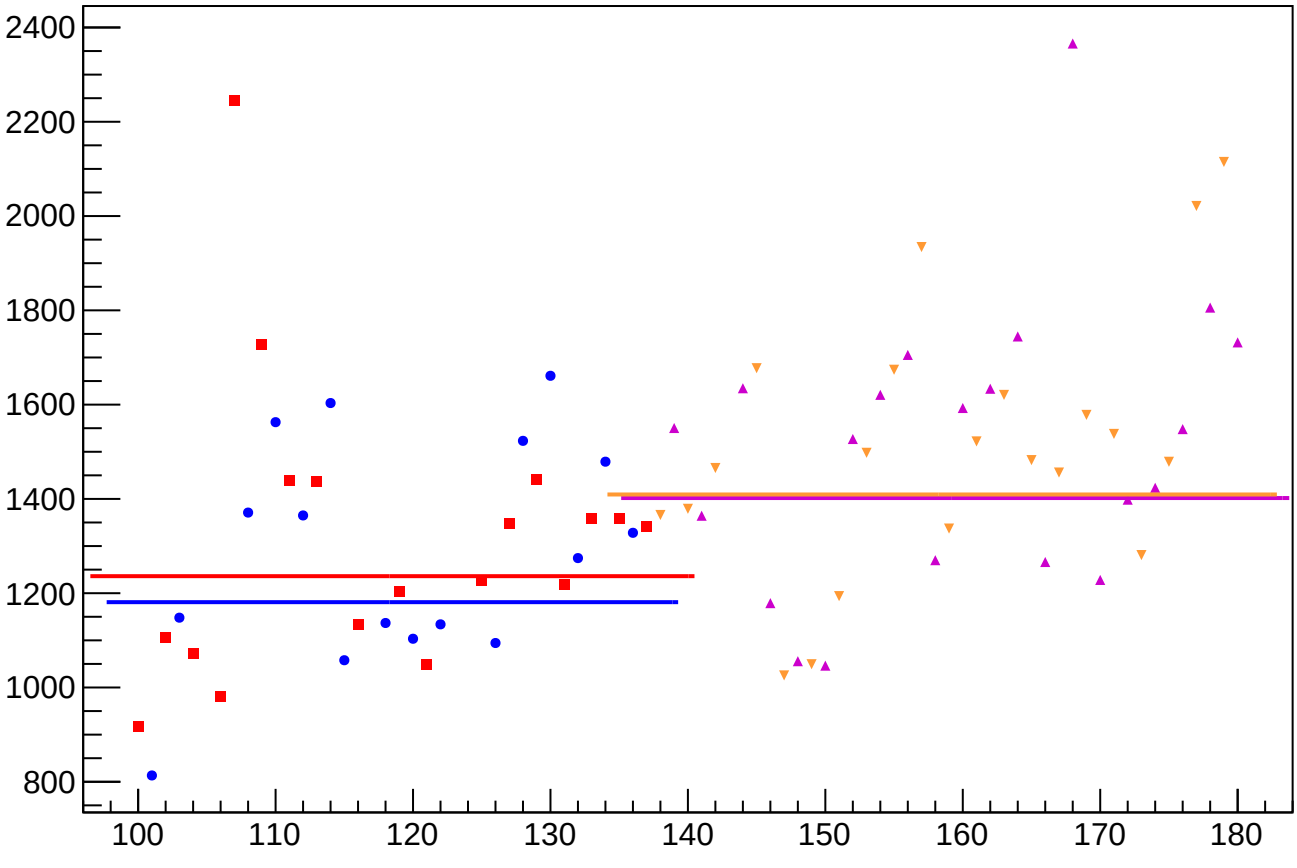
Left: -10.186+/-246.871 χ^2/NDF: 39.4/41

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

In: -55.315+/-273.632 χ^2/NDF:28.0/36

Out: -60.249+/-281.203 χ^2/NDF:41.9/38

All: -57.715+/-196.109 χ^2/NDF: 70.0/75



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

Left Out: 1409.408+/-0.250 χ^2/NDF:1112045.5/20

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

Left In: 1401.860+/-0.244 χ^2/NDF:1207959.1/20

Left: 1405.541+/-0.175 χ^2/NDF: 2320471.7/41

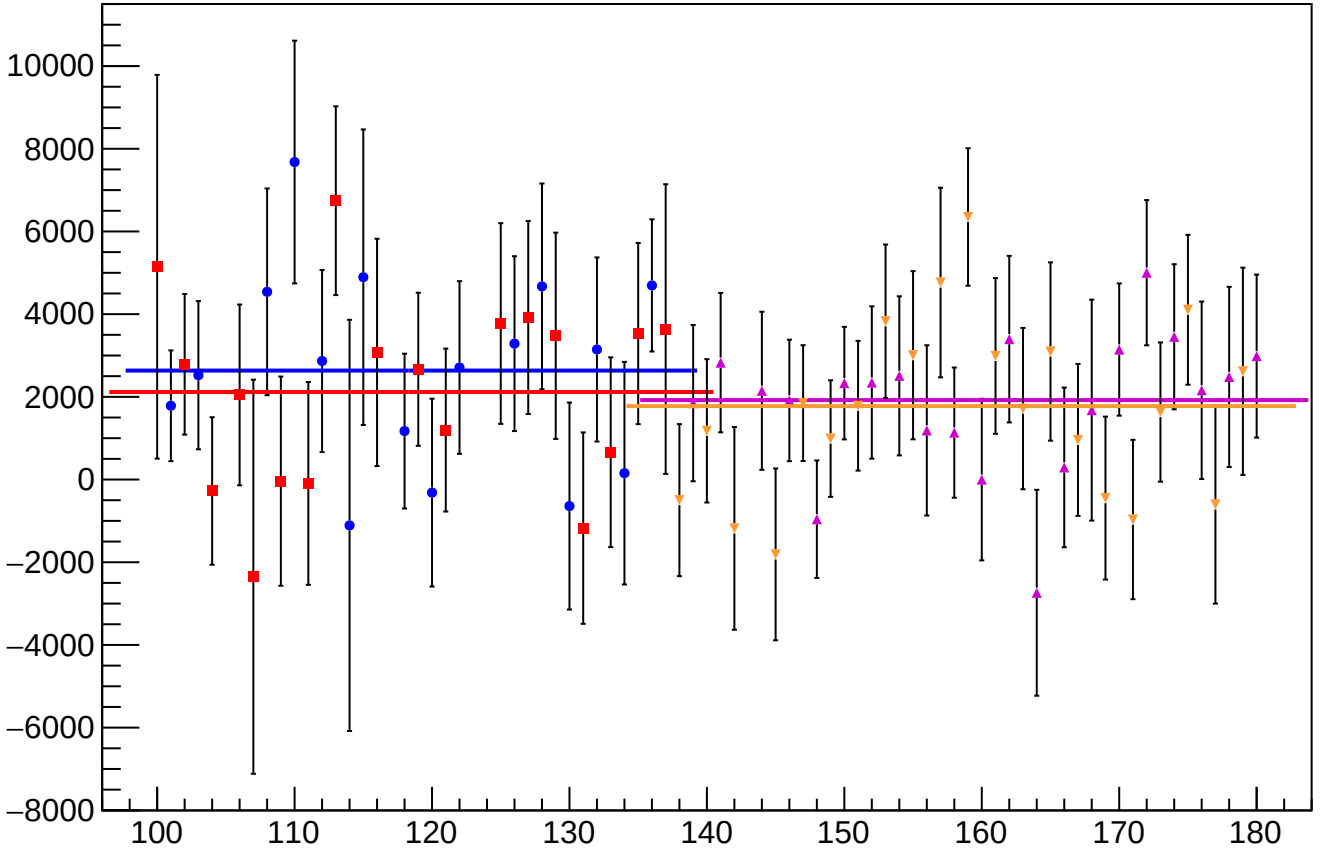
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1320.026+/-0.193 χ^2/NDF:2082971.5/36

Out: 1345.760+/-0.199 χ^2/NDF:1685769.3/38

All: 1332.542+/-0.139 χ^2/NDF: 3777343.9/75

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1776.247+/-404.795 χ^2/NDF:24.3/20

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

Left In: 1921.612+/-394.933 χ^2/NDF:15.5/20

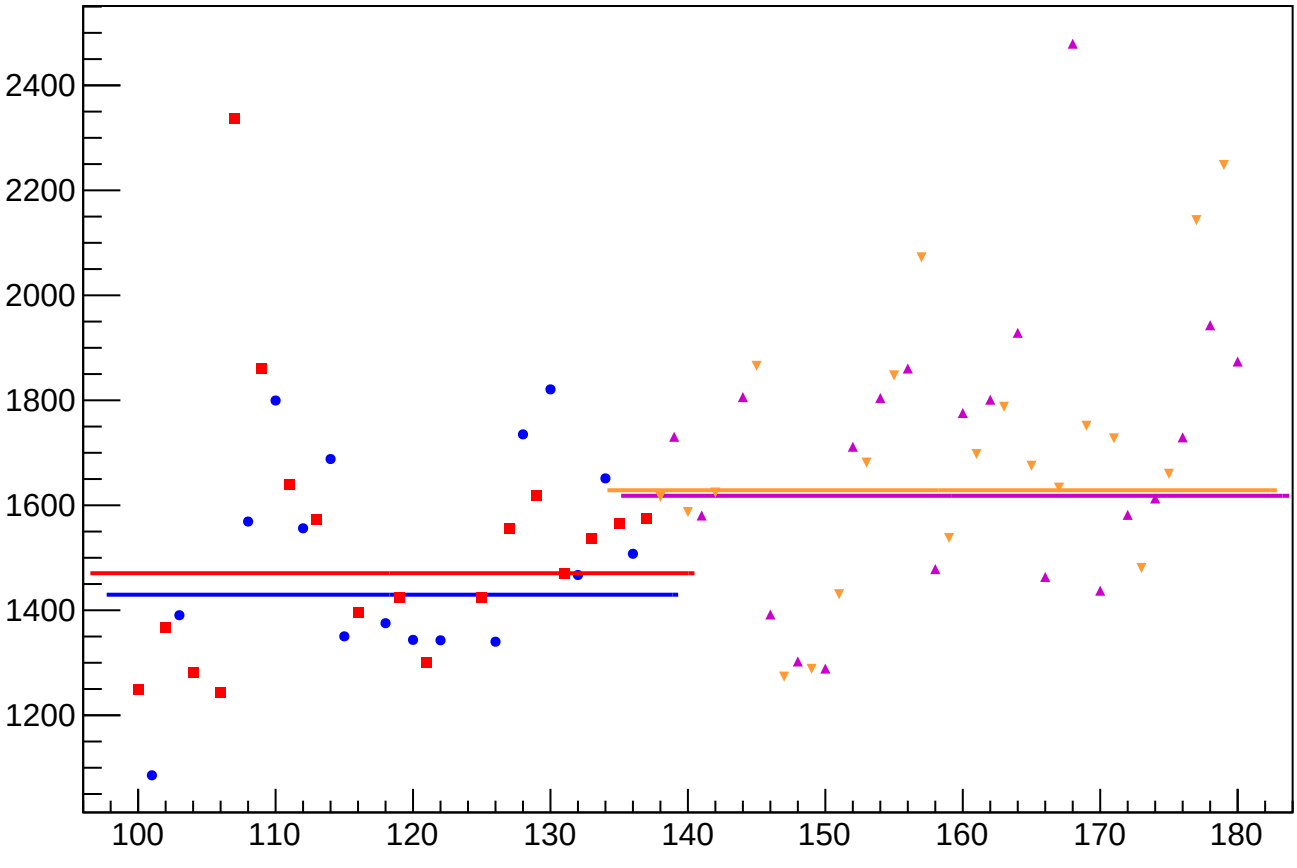
Left: 1850.722+/-282.682 χ^2/NDF: 39.9/41

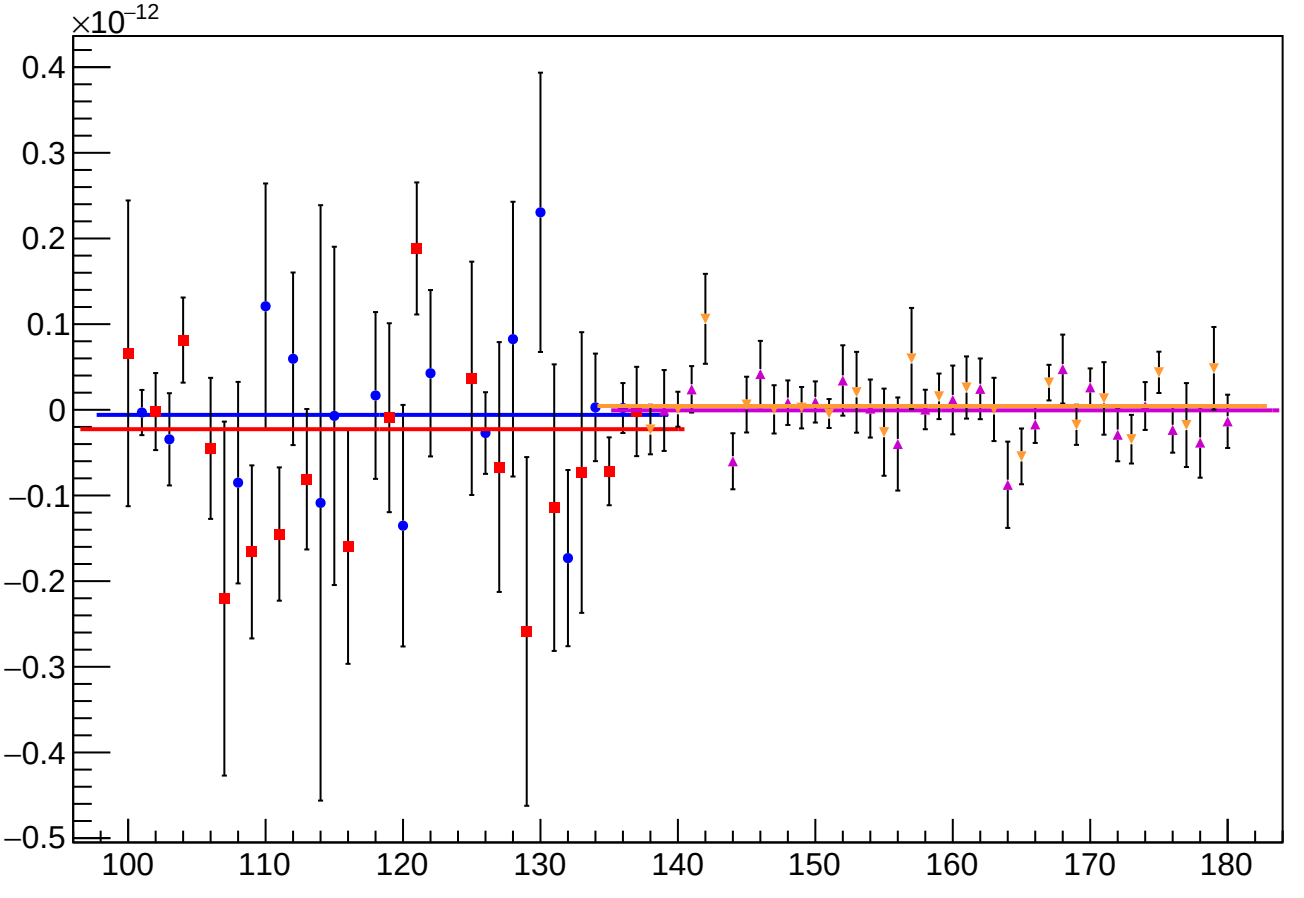
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2171.539+/-318.370 χ^2/NDF:28.9/36

Out: 1896.744+/-325.488 χ^2/NDF:38.3/38

All: 2037.179+/-227.597 χ^2/NDF: 67.6/75


asym_us_avg_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1429.654+/-0.380 χ²/NDF: 293388.5/15
Left Out: 1628.665+/-0.286 χ²/NDF:670131.5/20
Right Out: 1470.565+/-0.387 χ²/NDF: 218067.5/17
Left In: 1618.089+/-0.279 χ²/NDF:748912.1/20
Left: 1623.246+/-0.200 χ²/NDF: 1419743.1/41
Right: 1449.753+/-0.271 χ²/NDF: 517137.1/33
In: 1552.109+/-0.225 χ²/NDF:1201723.3/36
Out: 1572.784+/-0.230 χ²/NDF:996031.8/38
All: 1562.218+/-0.161 χ²/NDF: 2201878.9/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/20

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

Left In: -0.000+/-0.000 χ^2/NDF:16.5/20

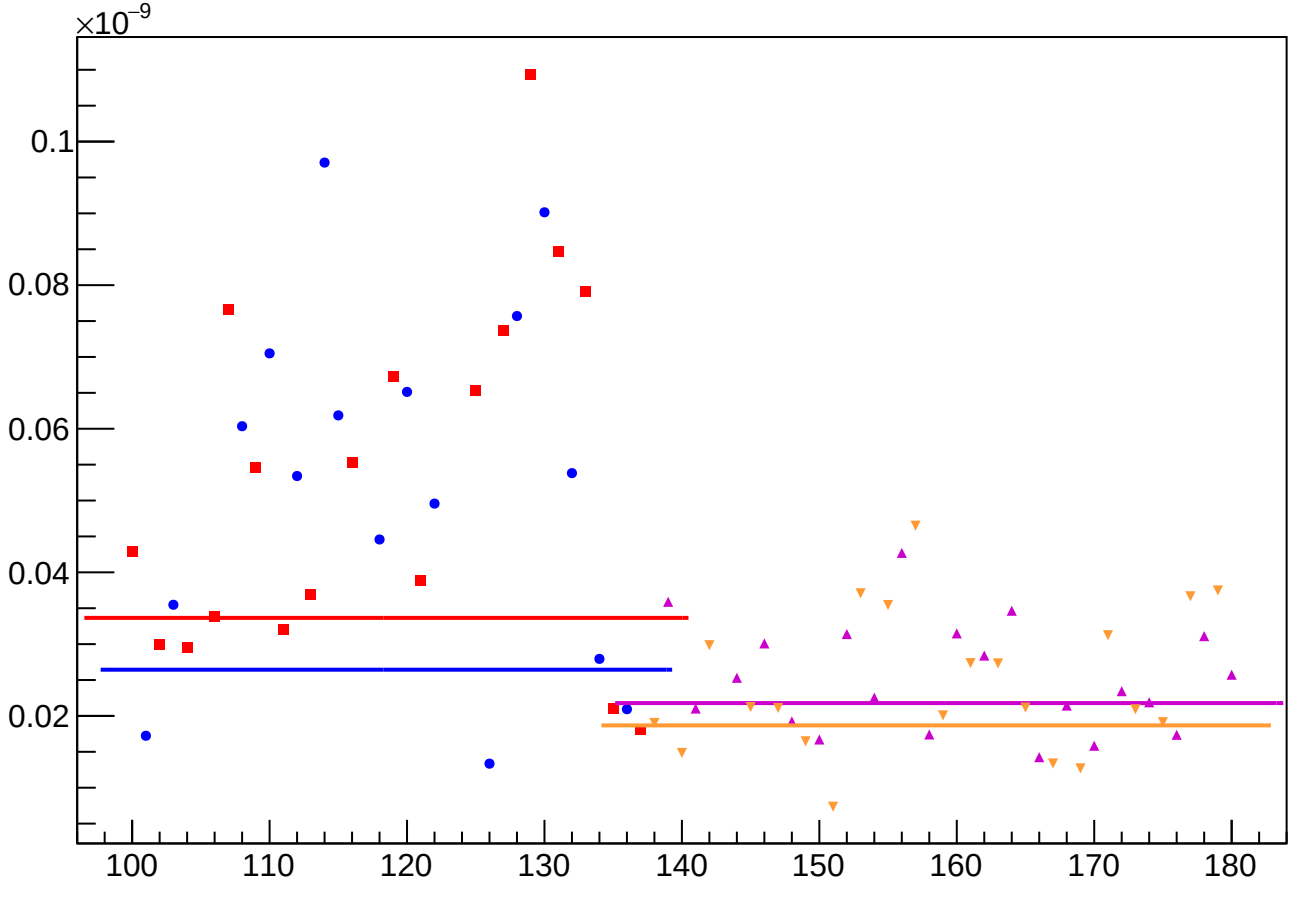
Left: 0.000+/-0.000 χ^2/NDF: 35.2/41

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

In: -0.000+/-0.000 χ^2/NDF:25.2/36

Out: 0.000+/-0.000 χ^2/NDF:43.4/38

All: 0.000+/-0.000 χ^2/NDF: 68.7/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:3334829.6/20

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

Left In: 0.000+/-0.000 χ^2/NDF:1782875.4/20

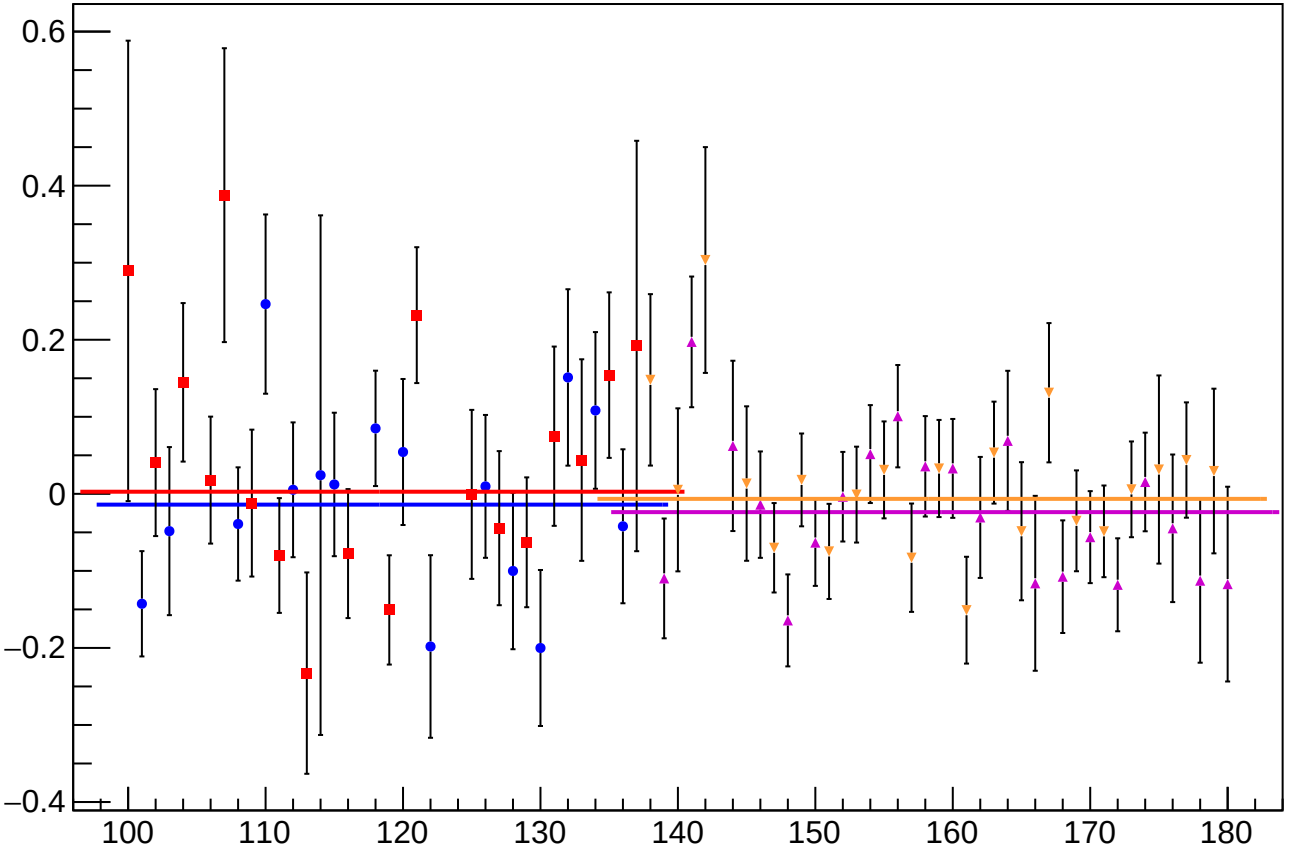
Left: 0.000+/-0.000 χ^2/NDF: 5344531.3/41

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

In: 0.000+/-0.000 χ^2/NDF:4078395.9/36

Out: 0.000+/-0.000 χ^2/NDF:6254760.3/38

All: 0.000+/-0.000 χ^2/NDF: 10470113.1/75



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

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

Left In: -0.024+/-0.016 χ^2/NDF:28.7/20

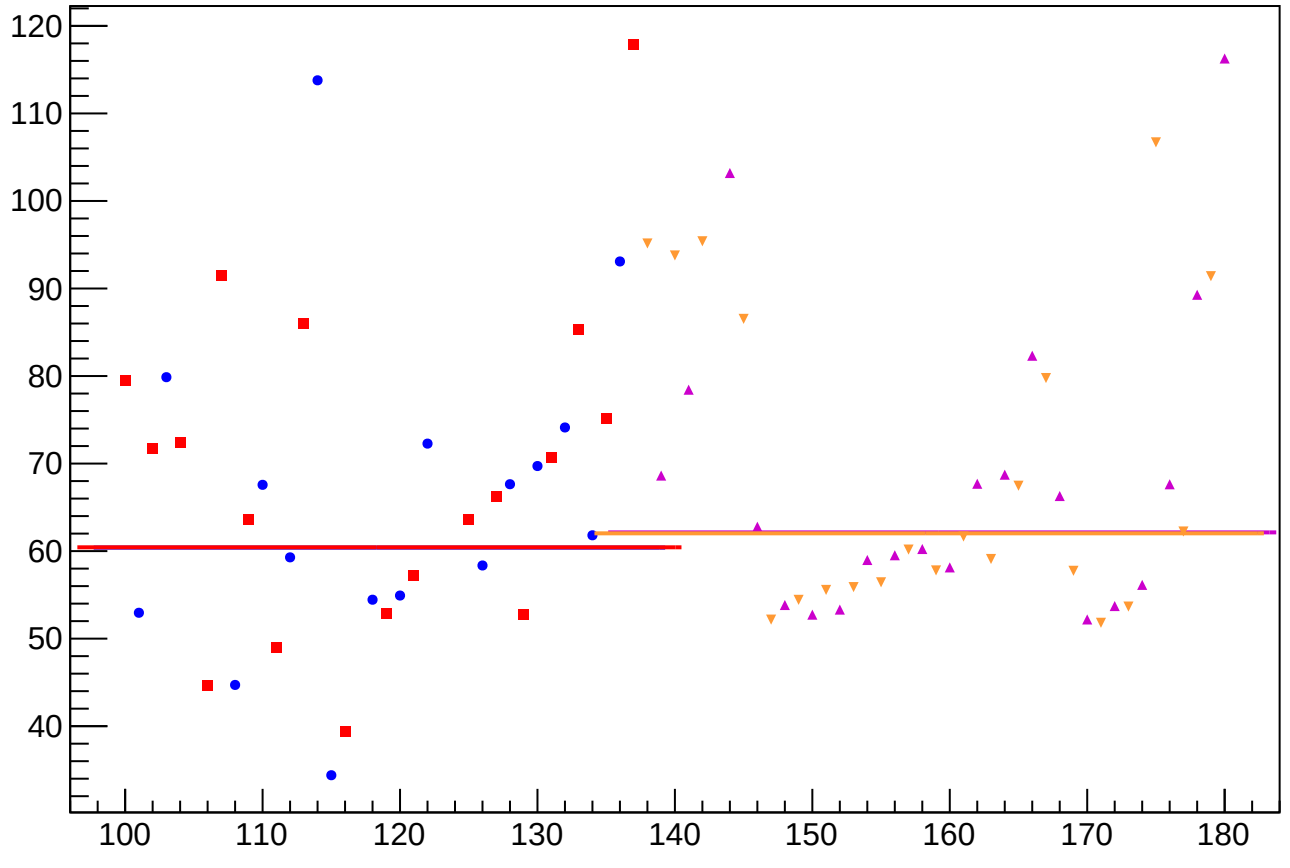
Left: -0.015+/-0.011 χ^2/NDF: 49.4/41

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

In: -0.021+/-0.013 χ^2/NDF:50.2/36

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 99.0/75



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

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

Left In: 62.138+/-0.011 χ^2/NDF:1227492.3/20

Left: 62.085+/-0.008 χ^2/NDF: 2576010.8/41

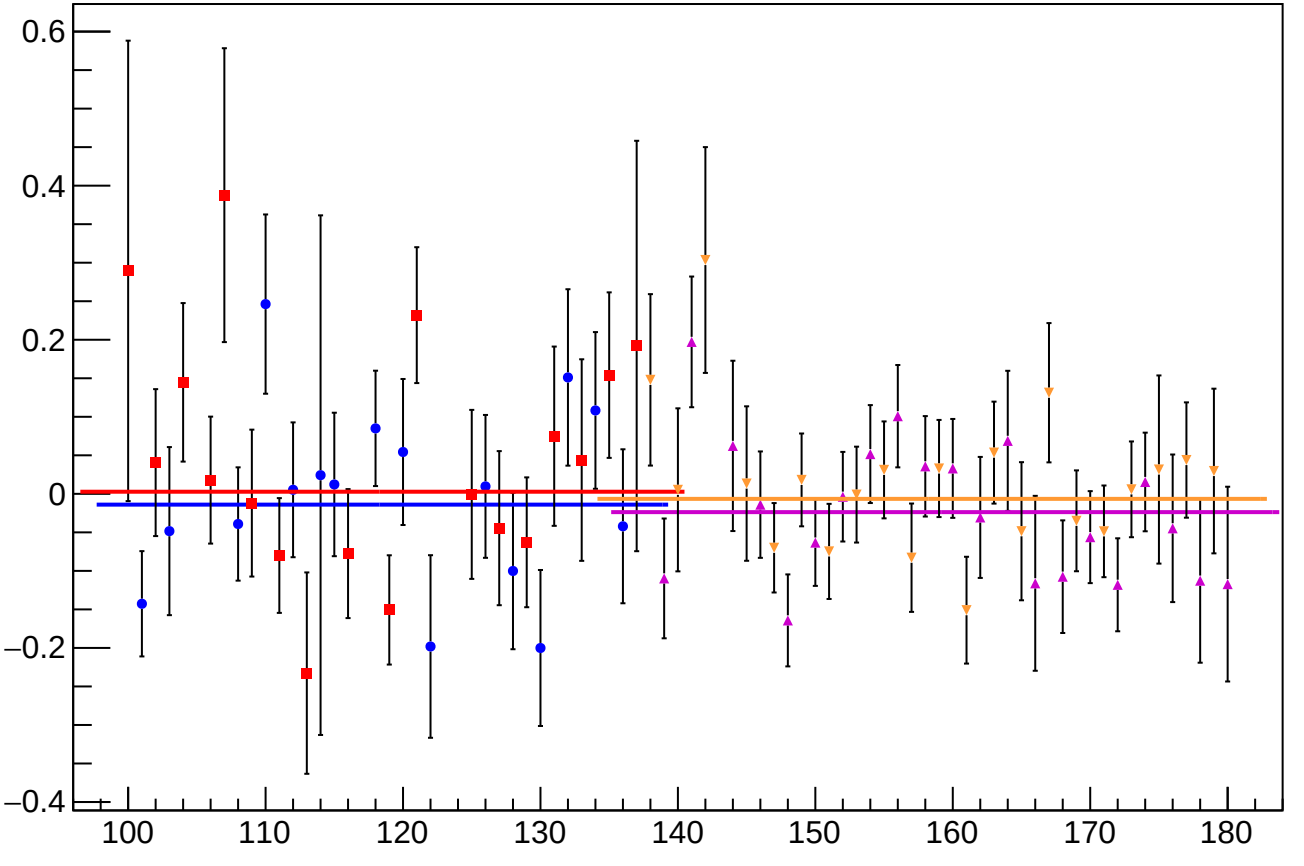
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.612+/-0.009 χ^2/NDF:1938057.2/36

Out: 61.533+/-0.009 χ^2/NDF:2065757.2/38

All: 61.573+/-0.007 χ^2/NDF: 4003850.4/75

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

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

Left In: -0.024+/-0.016 χ^2/NDF:28.7/20

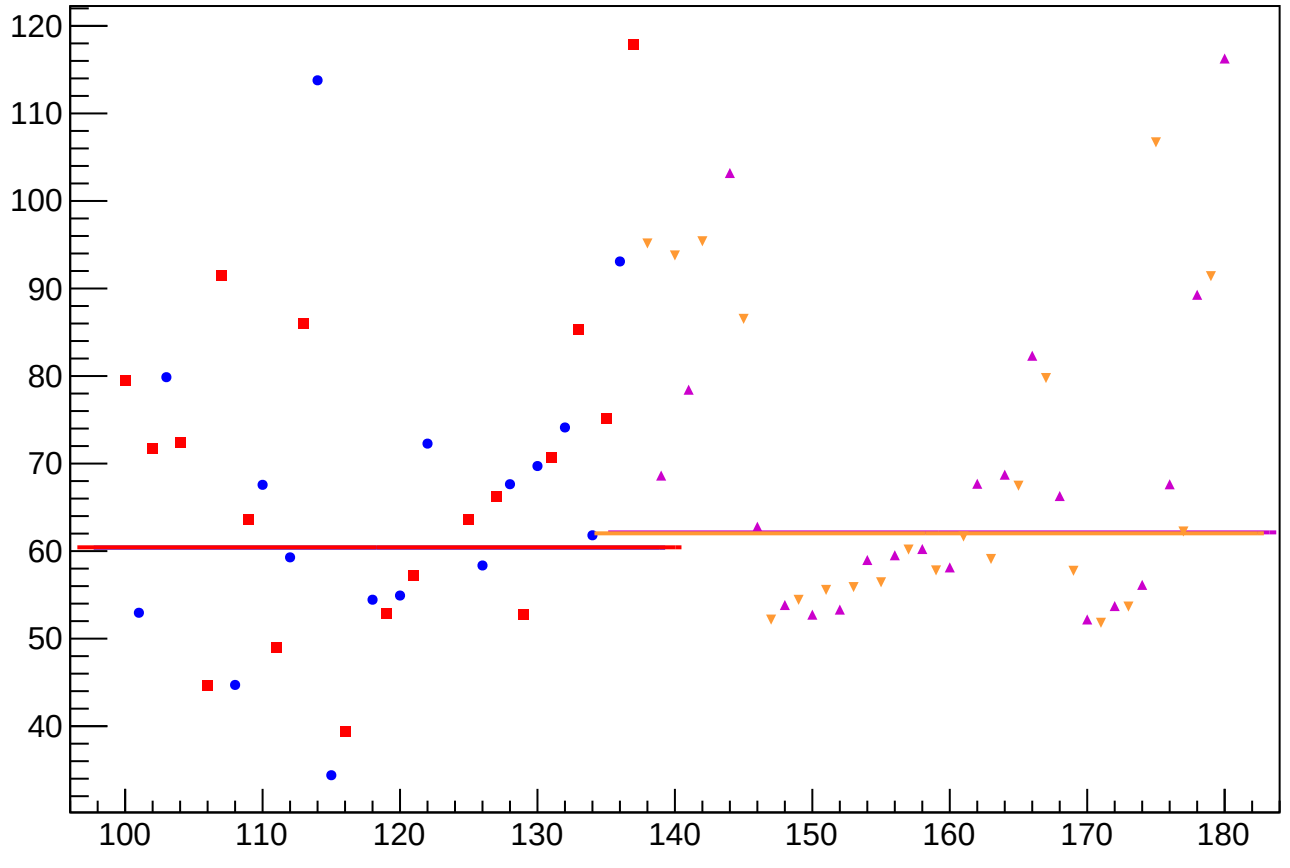
Left: -0.015+/-0.011 χ^2/NDF: 49.4/41

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

In: -0.021+/-0.013 χ^2/NDF:50.2/36

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 99.0/75



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

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

Left In: 62.138+/-0.011 χ^2/NDF:1227492.3/20

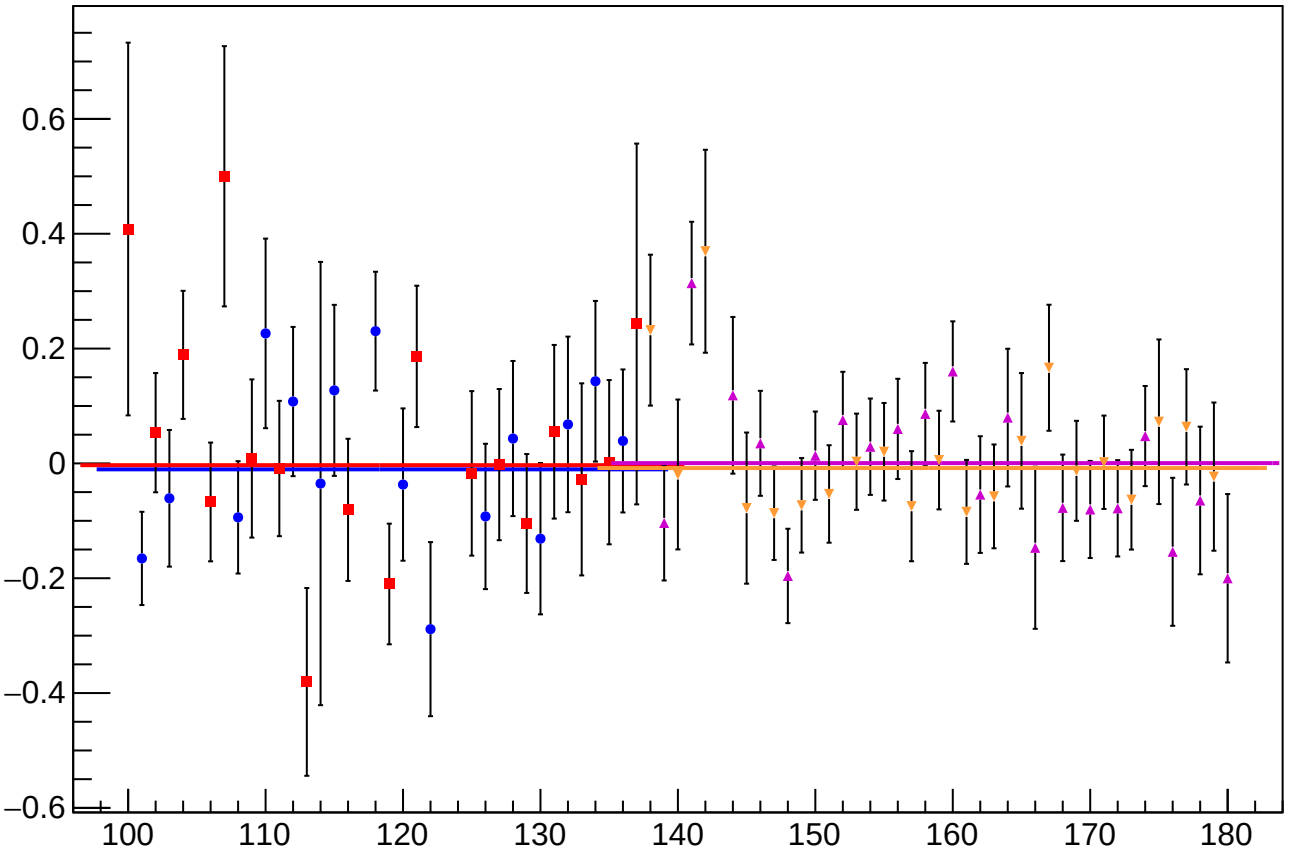
Left: 62.085+/-0.008 χ^2/NDF: 2576010.8/41

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

In: 61.612+/-0.009 χ^2/NDF:1938057.2/36

Out: 61.533+/-0.009 χ^2/NDF:2065757.2/38

All: 61.573+/-0.007 χ^2/NDF: 4003850.4/75



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

Left Out: -0.008+/-0.021 χ^2/NDF:15.6/20

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

Left In: 0.001+/-0.021 χ^2/NDF:30.2/20

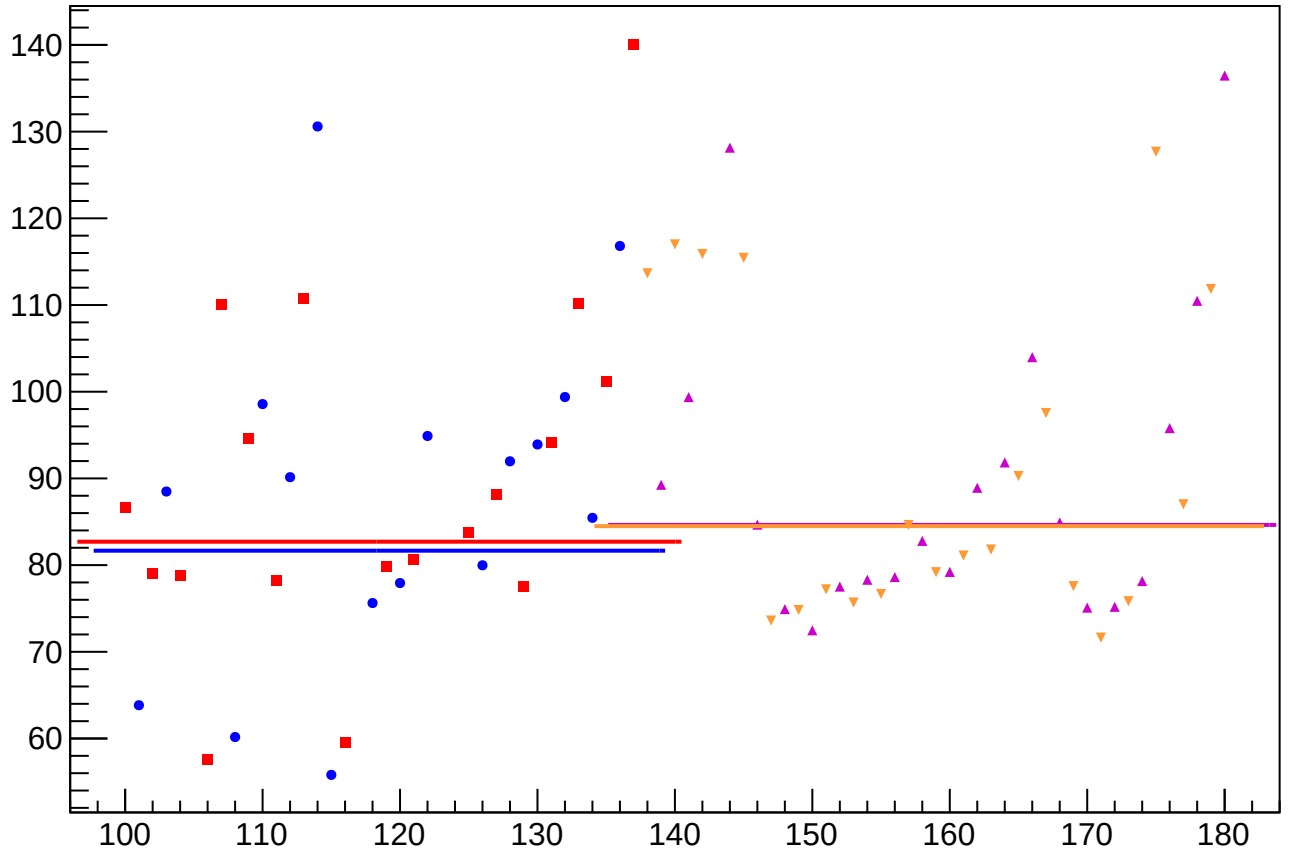
Left: -0.004+/-0.015 χ^2/NDF: 45.9/41

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

In: -0.003+/-0.017 χ^2/NDF:50.4/36

Out: -0.007+/-0.018 χ^2/NDF:39.3/38

All: -0.005+/-0.012 χ^2/NDF: 89.7/75



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

Left Out: 84.497+/-0.015 χ^2/NDF:913733.1/20

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

Left In: 84.635+/-0.015 χ^2/NDF:823265.3/20

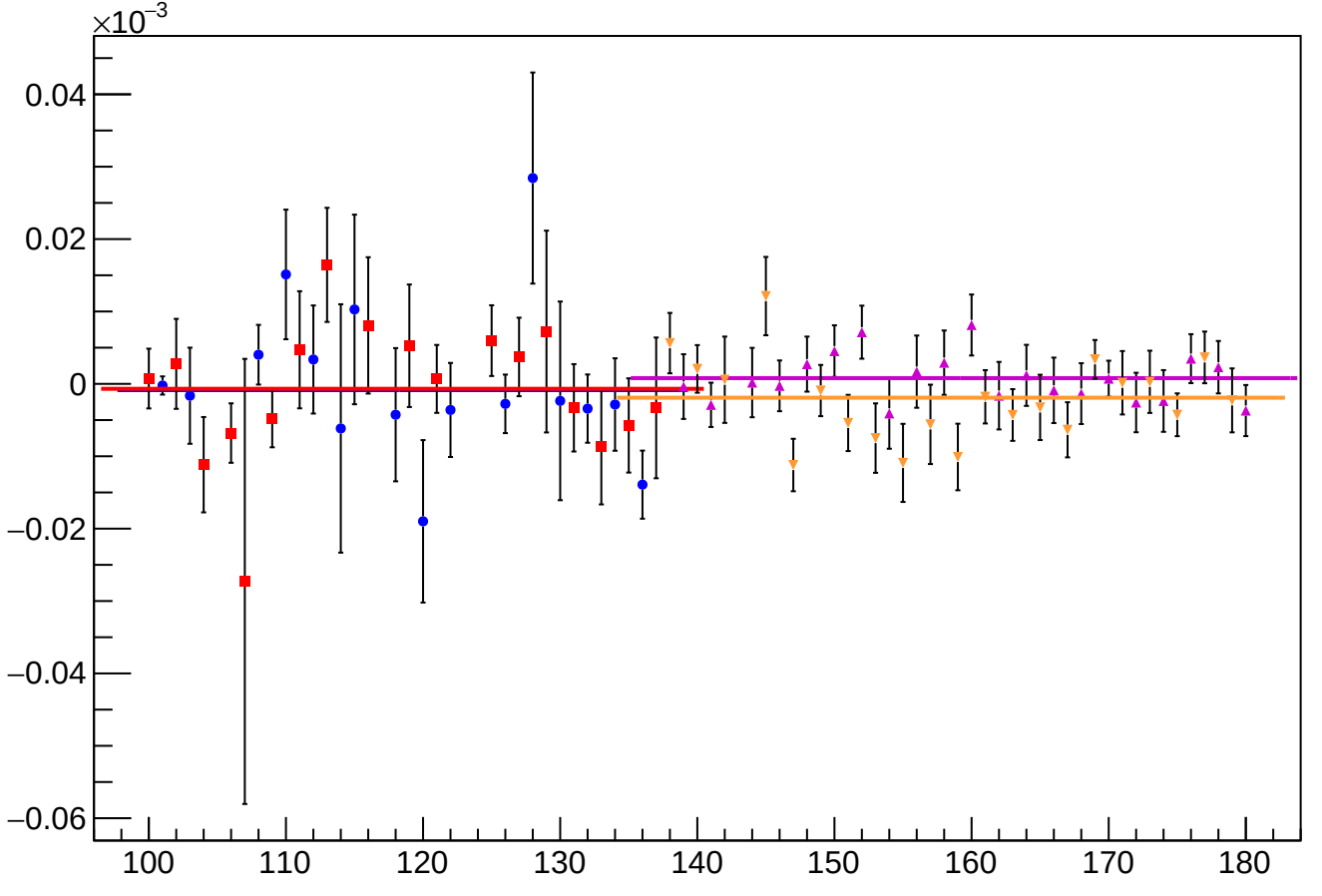
Left: 84.567+/-0.011 χ^2/NDF: 1737040.6/41

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

In: 83.724+/-0.012 χ^2/NDF:1397370.1/36

Out: 83.937+/-0.013 χ^2/NDF:1391205.0/38

All: 83.829+/-0.009 χ^2/NDF: 2788721.4/75



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

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

Left In: 0.000+/-0.000 χ^2/NDF:14.6/20

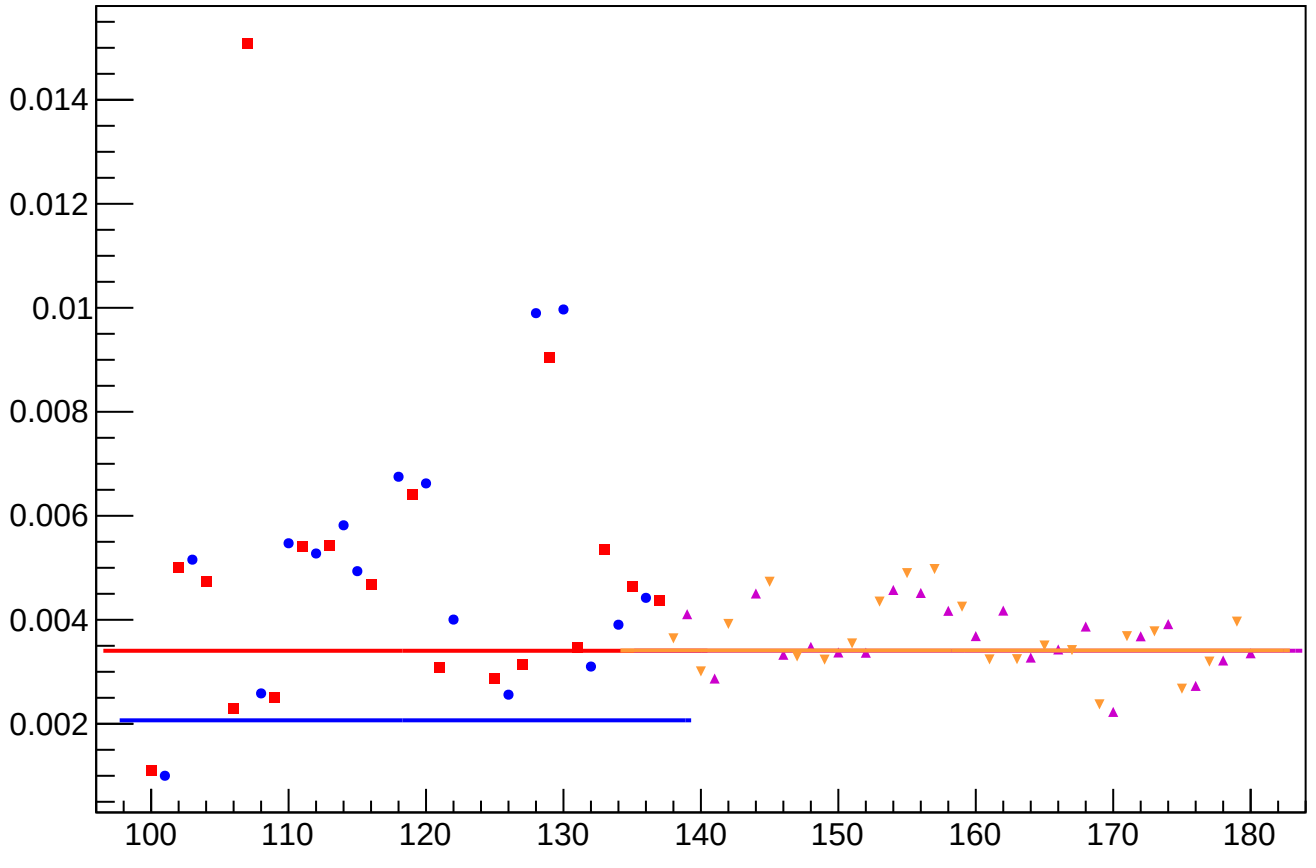
Left: -0.000+/-0.000 χ^2/NDF: 56.0/41

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

In: 0.000+/-0.000 χ^2/NDF:37.5/36

Out: -0.000+/-0.000 χ^2/NDF:55.2/38

All: -0.000+/-0.000 χ^2/NDF: 95.7/75



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

Left Out: 0.003+/-0.000 χ^2/NDF:1135691.2/20

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

Left In: 0.003+/-0.000 χ^2/NDF:1155259.2/20

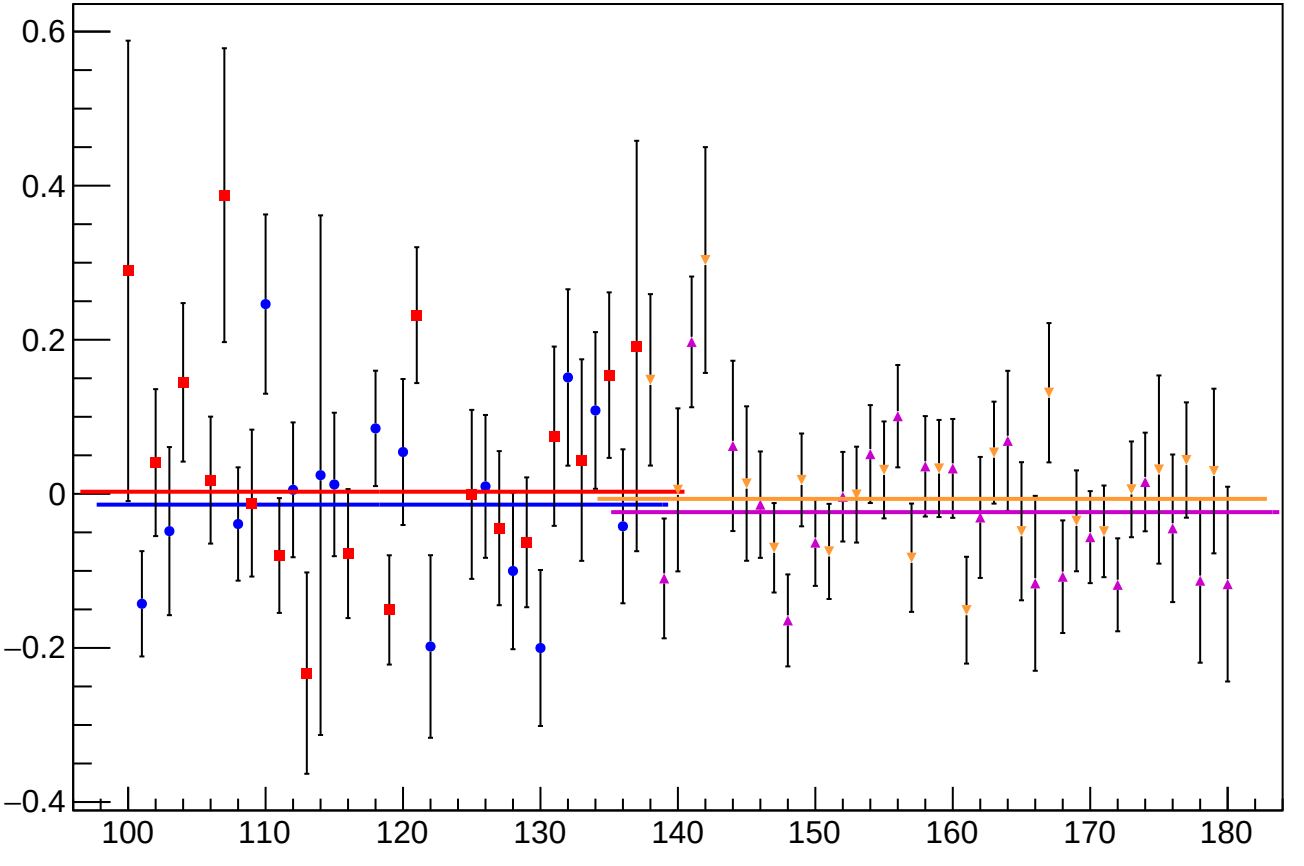
Left: 0.003+/-0.000 χ^2/NDF: 2290991.1/41

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

In: 0.003+/-0.000 χ^2/NDF:9050898.4/36

Out: 0.003+/-0.000 χ^2/NDF:3627023.6/38

All: 0.003+/-0.000 χ^2/NDF: 13312325.3/75



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

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

Left In: -0.024+/-0.016 χ^2/NDF:28.7/20

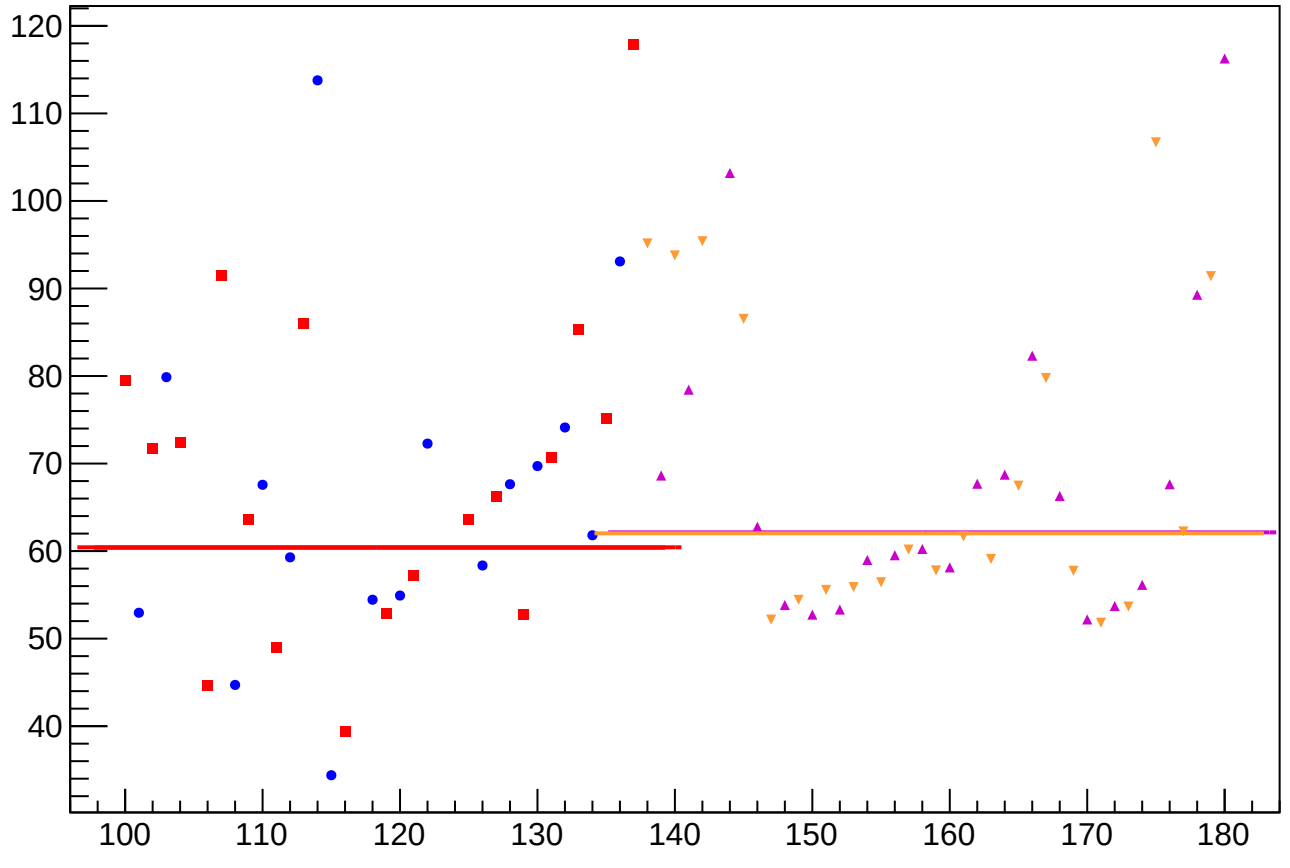
Left: -0.015+/-0.011 χ^2/NDF: 49.4/41

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

In: -0.021+/-0.013 χ^2/NDF:50.2/36

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 99.0/75



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

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

Left In: 62.139+/-0.011 χ^2/NDF:1227481.6/20

Left: 62.085+/-0.008 χ^2/NDF: 2575980.2/41

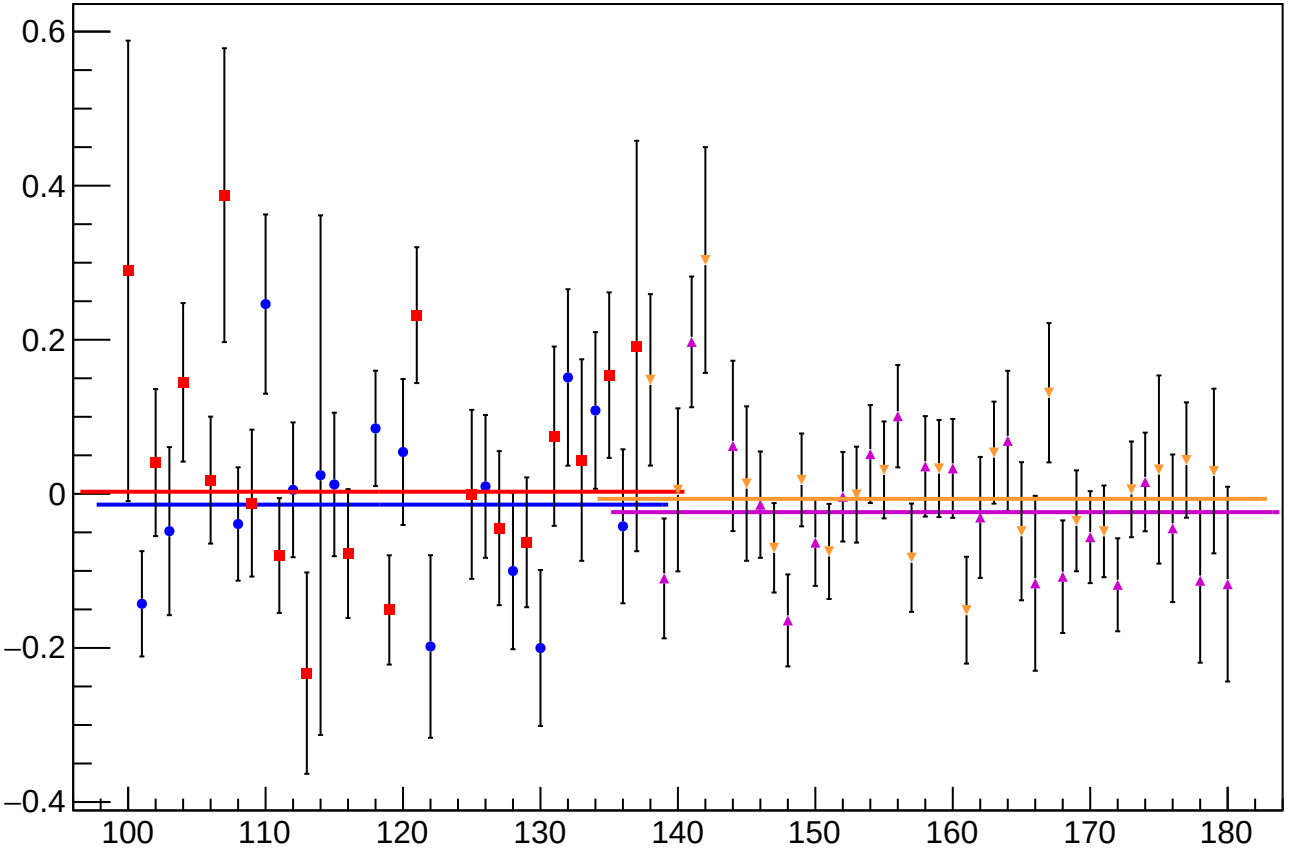
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.612+/-0.009 χ^2/NDF:1938073.5/36

Out: 61.533+/-0.009 χ^2/NDF:2065782.7/38

All: 61.573+/-0.007 χ^2/NDF: 4003892.3/75

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: -0.007+/-0.016 χ^2/NDF:20.1/20

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

Left In: -0.024+/-0.016 χ^2/NDF:28.7/20

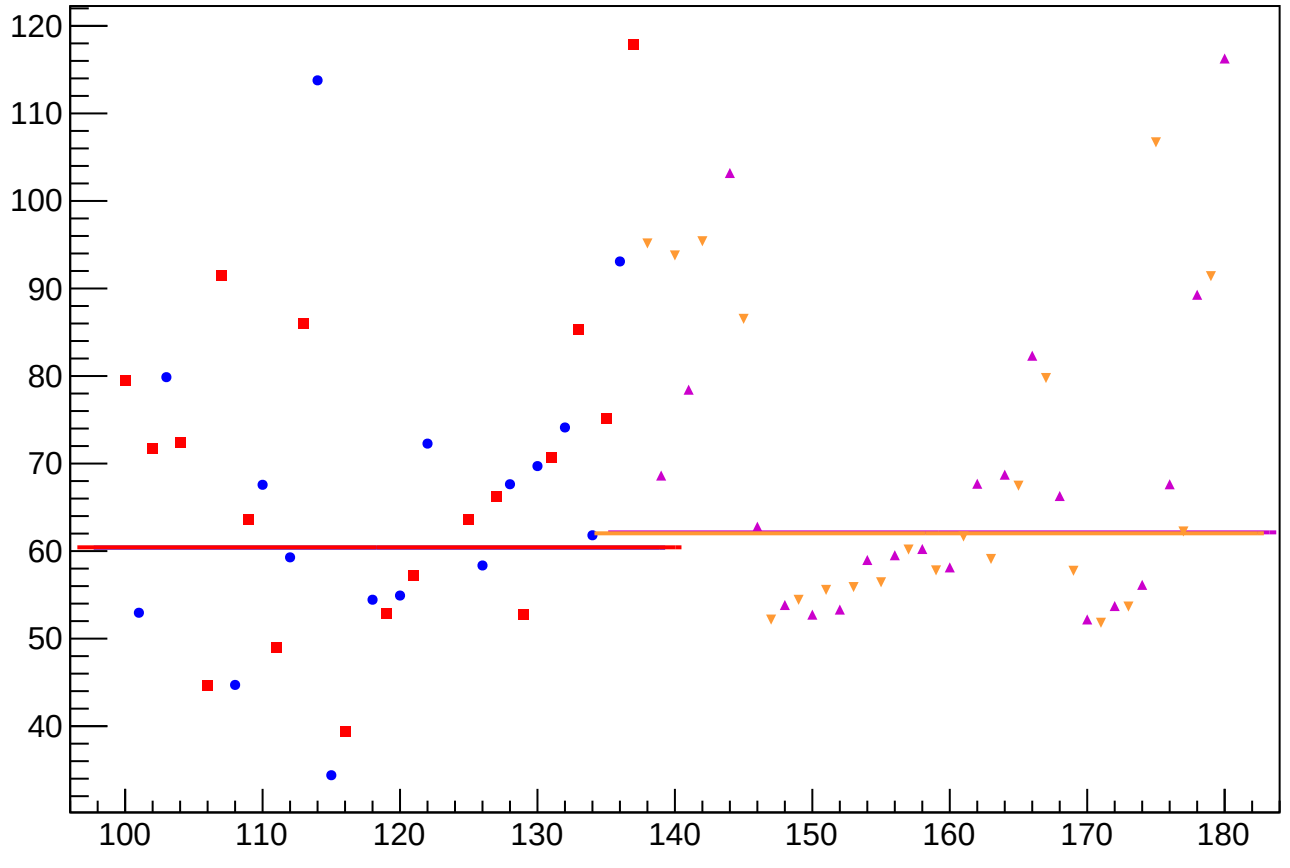
Left: -0.015+/-0.011 χ^2/NDF: 49.4/41

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

In: -0.021+/-0.013 χ^2/NDF:50.2/36

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 99.0/75



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

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

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

Left In: 62.139+/-0.011 χ^2/NDF:1227481.6/20

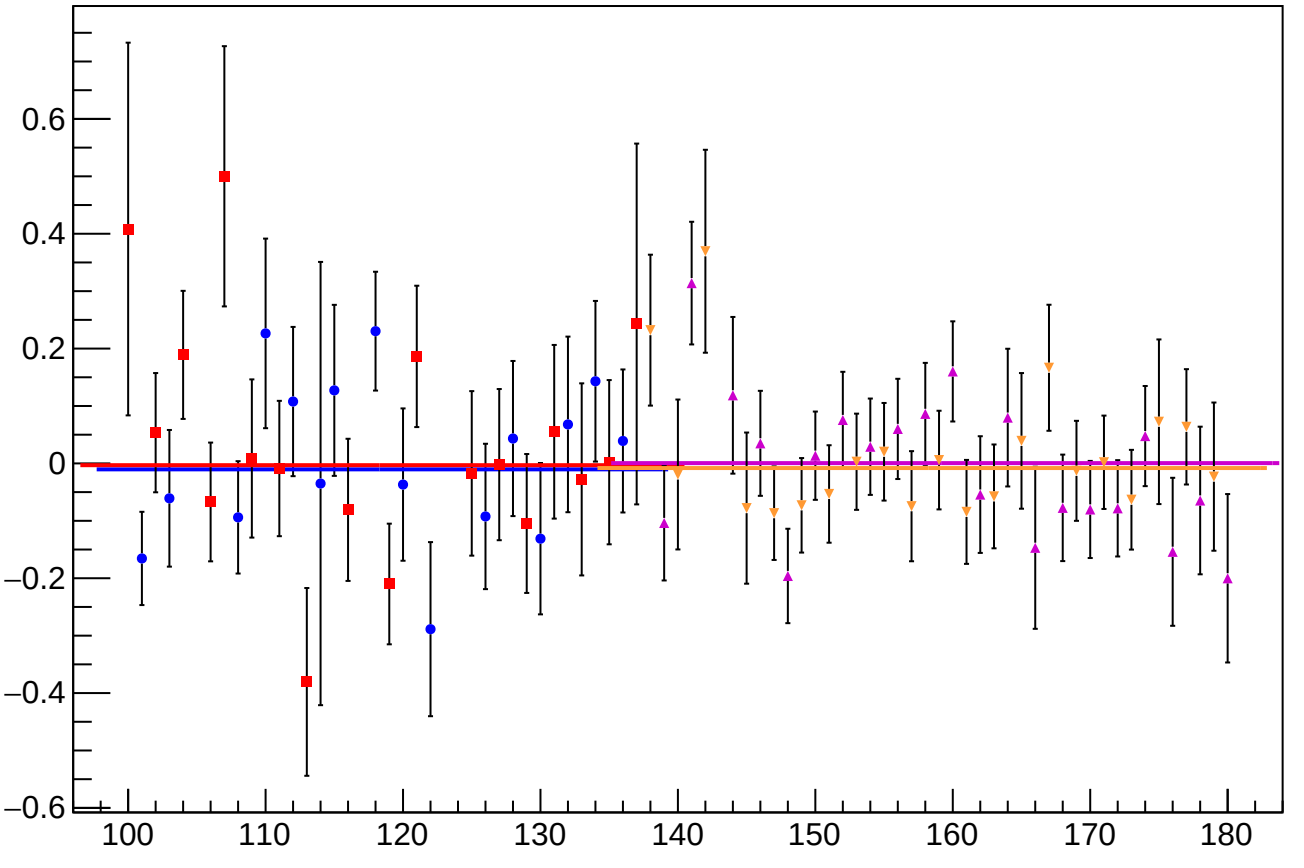
Left: 62.085+/-0.008 χ^2/NDF: 2575980.2/41

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

In: 61.612+/-0.009 χ^2/NDF:1938073.5/36

Out: 61.533+/-0.009 χ^2/NDF:2065782.7/38

All: 61.573+/-0.007 χ^2/NDF: 4003892.3/75



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

Left Out: -0.008+/-0.021 χ^2/NDF:15.6/20

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

Left In: 0.001+/-0.021 χ^2/NDF:30.2/20

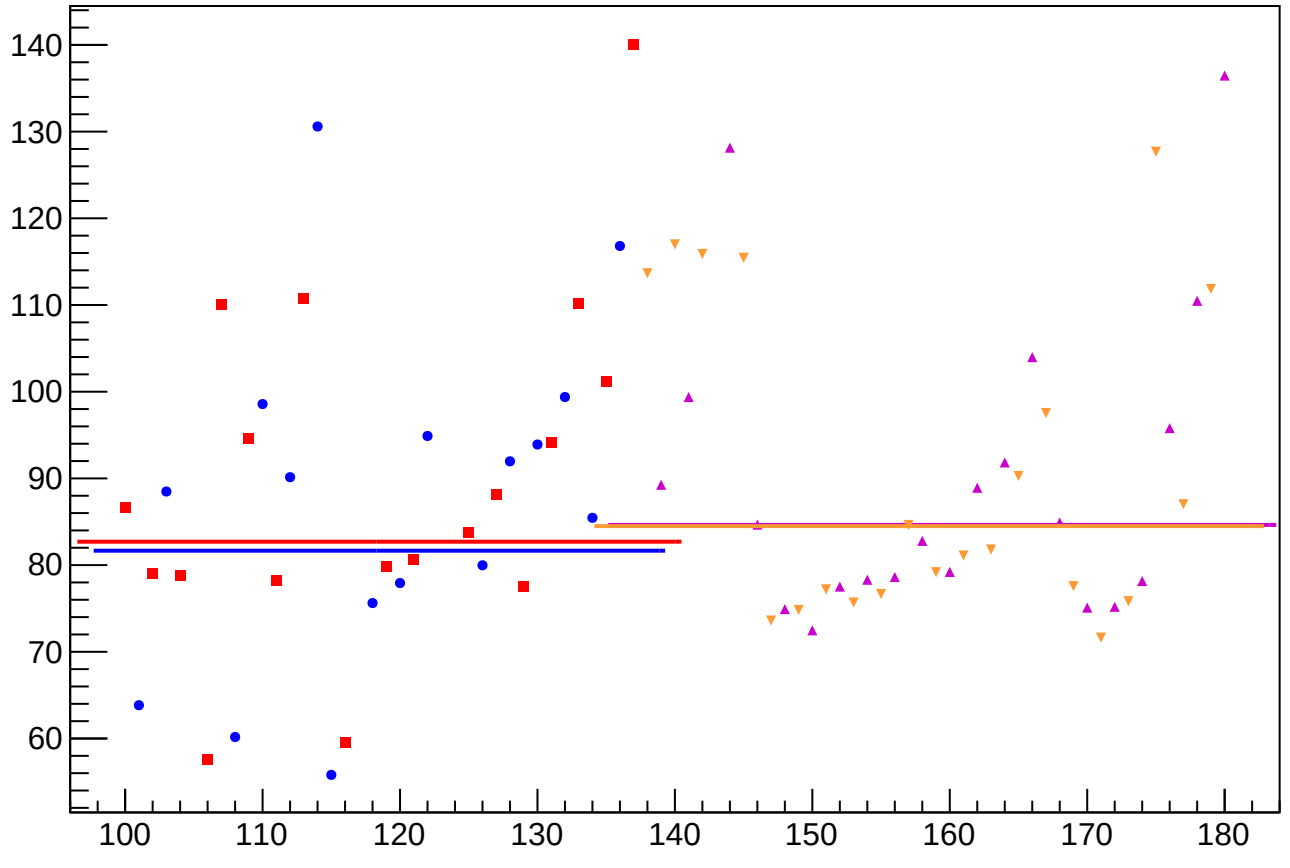
Left: -0.004+/-0.015 χ^2/NDF: 45.9/41

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

In: -0.003+/-0.017 χ^2/NDF:50.4/36

Out: -0.007+/-0.018 χ^2/NDF:39.3/38

All: -0.005+/-0.012 χ^2/NDF: 89.7/75



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

Left Out: 84.497+/-0.015 χ^2/NDF:913723.4/20

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

Left In: 84.635+/-0.015 χ^2/NDF:823262.4/20

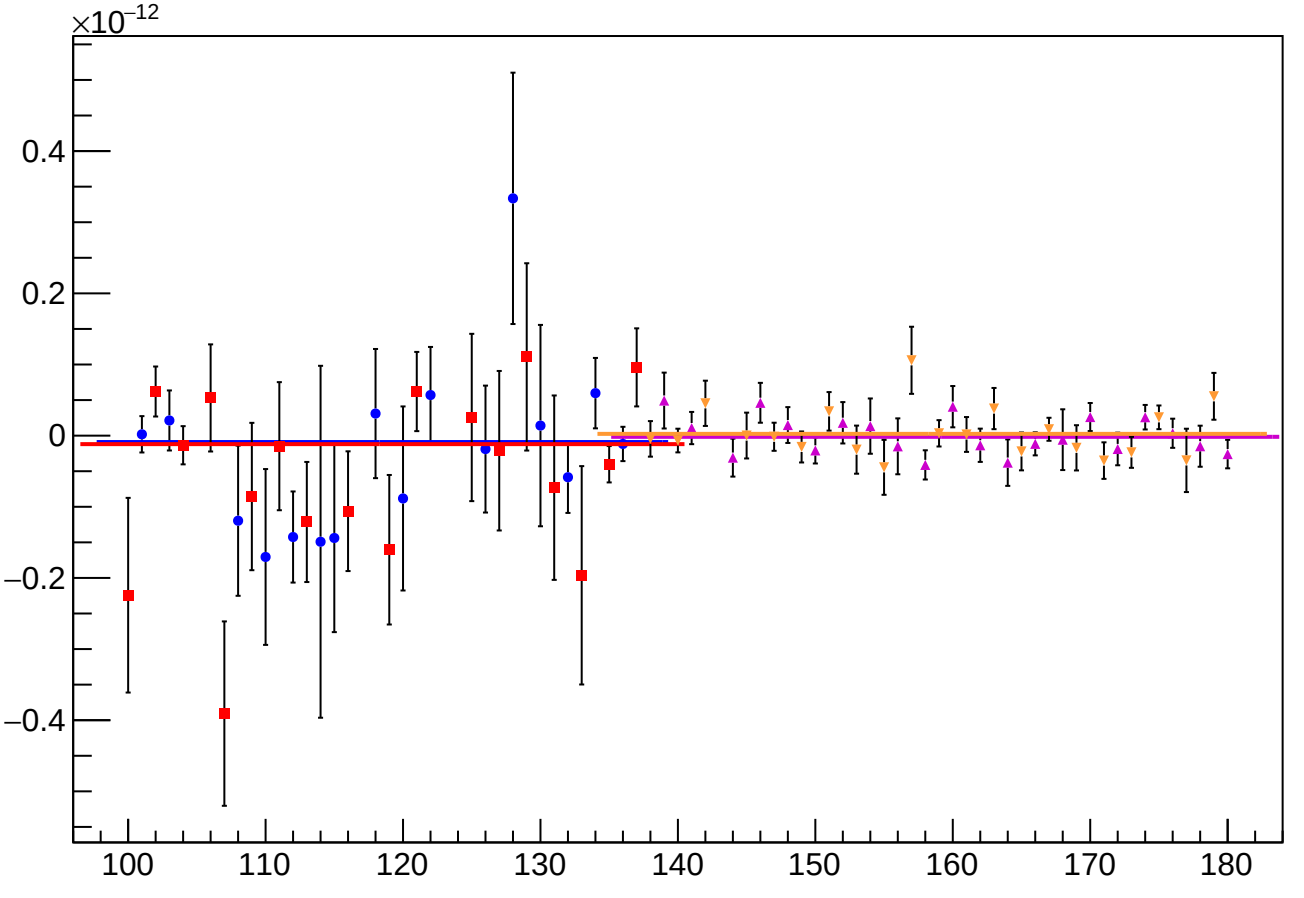
Left: 84.567+/-0.011 χ^2/NDF: 1737028.1/41

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

In: 83.724+/-0.012 χ^2/NDF:1397364.1/36

Out: 83.937+/-0.013 χ^2/NDF:1391198.8/38

All: 83.829+/-0.009 χ^2/NDF: 2788709.2/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/20

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

Left In: -0.000+/-0.000 χ^2/NDF:22.9/20

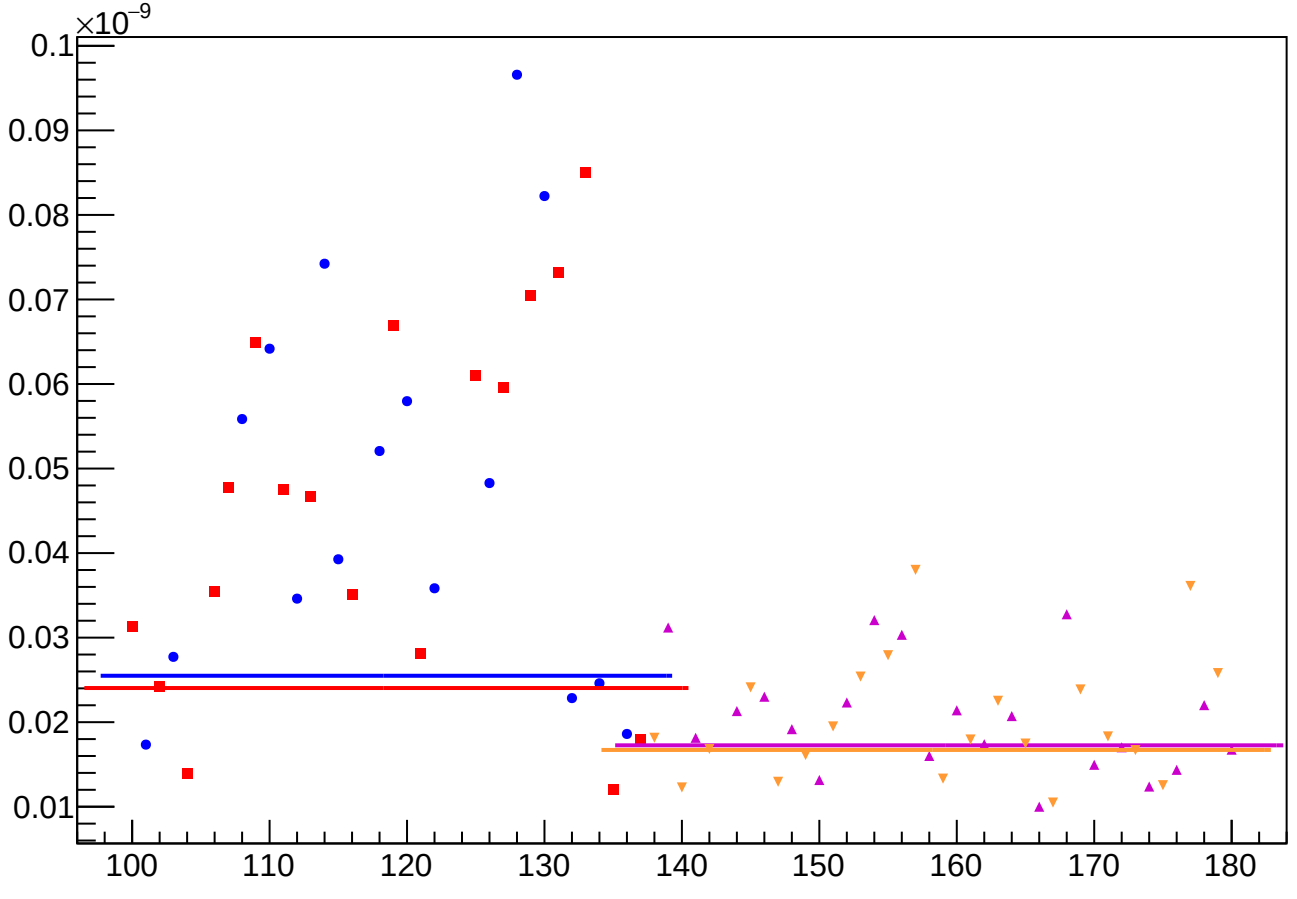
Left: 0.000+/-0.000 χ^2/NDF: 46.0/41

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

In: -0.000+/-0.000 χ^2/NDF:40.6/36

Out: 0.000+/-0.000 χ^2/NDF:54.8/38

All: -0.000+/-0.000 χ^2/NDF: 95.6/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:2275192.0/20

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

Left In: 0.000+/-0.000 χ^2/NDF:2088226.4/20

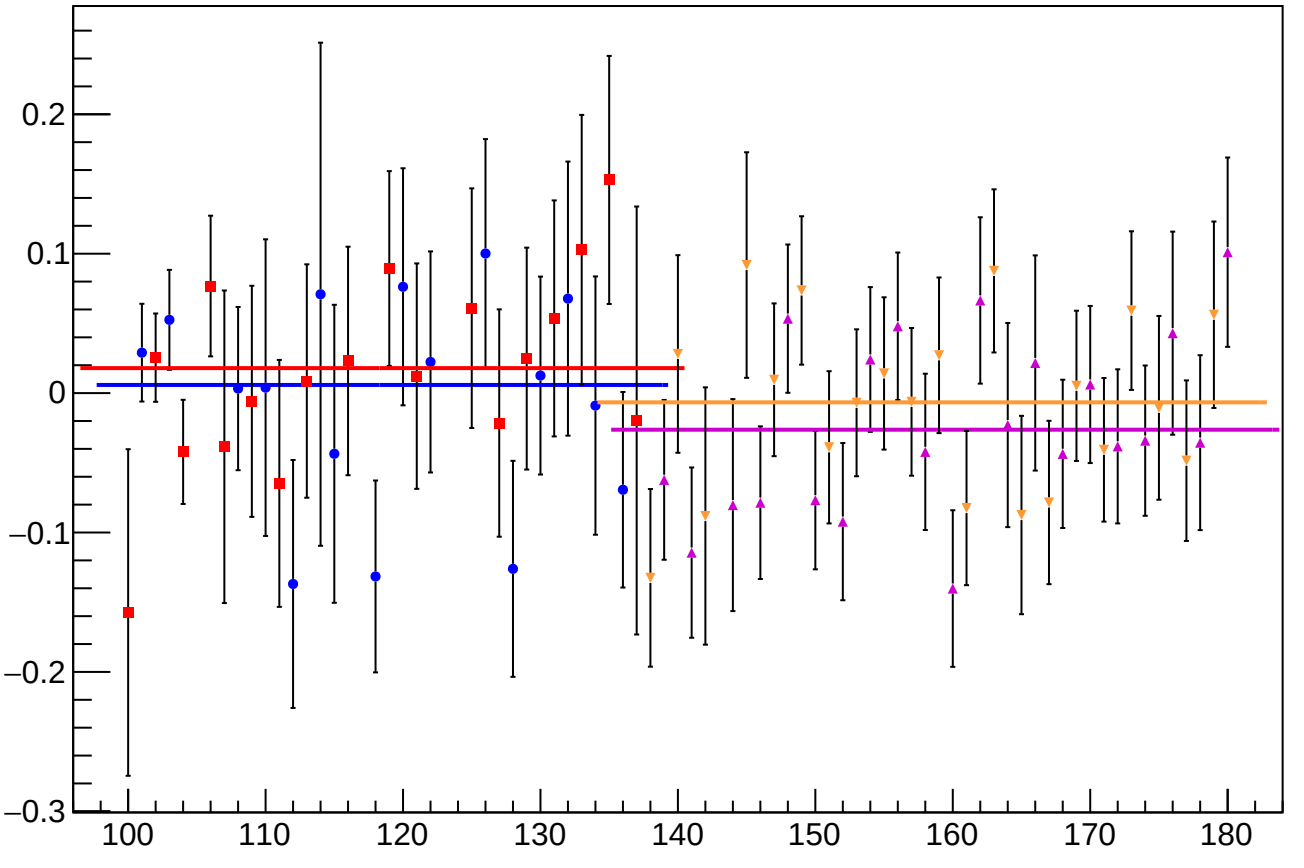
Left: 0.000+/-0.000 χ^2/NDF: 4374290.0/41

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

In: 0.000+/-0.000 χ^2/NDF:4756541.4/36

Out: 0.000+/-0.000 χ^2/NDF:5877144.6/38

All: 0.000+/-0.000 χ^2/NDF: 10652134.0/75



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

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

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

Left In: -0.026+/-0.013 χ^2/NDF:23.4/20

Left: -0.017+/-0.009 χ^2/NDF: 44.7/41

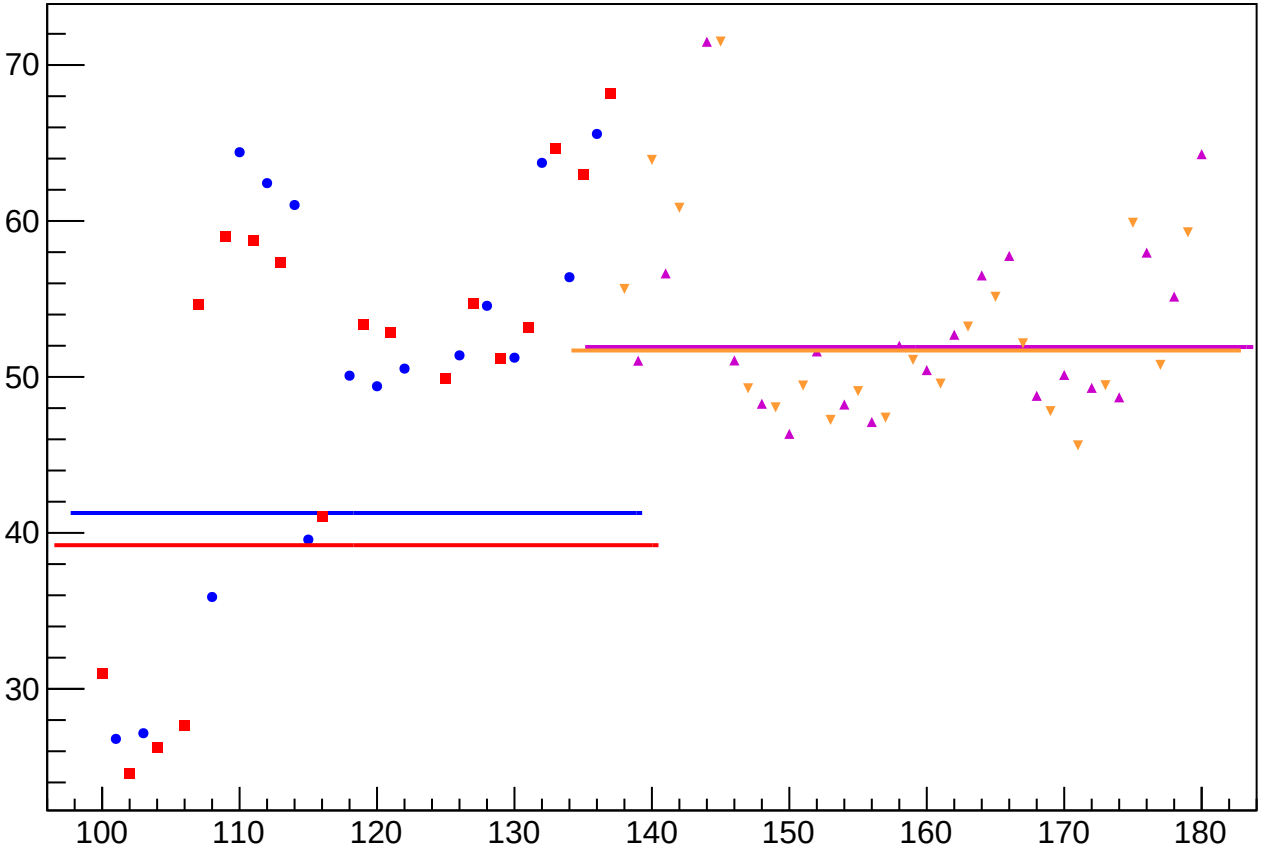
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.010 χ^2/NDF:41.3/36

Out: 0.003+/-0.010 χ^2/NDF:33.9/38

All: -0.005+/-0.007 χ^2/NDF: 76.8/75

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: 51.696+/-0.009 χ^2/NDF:363239.9/20

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

Left In: 51.918+/-0.009 χ^2/NDF:333760.7/20

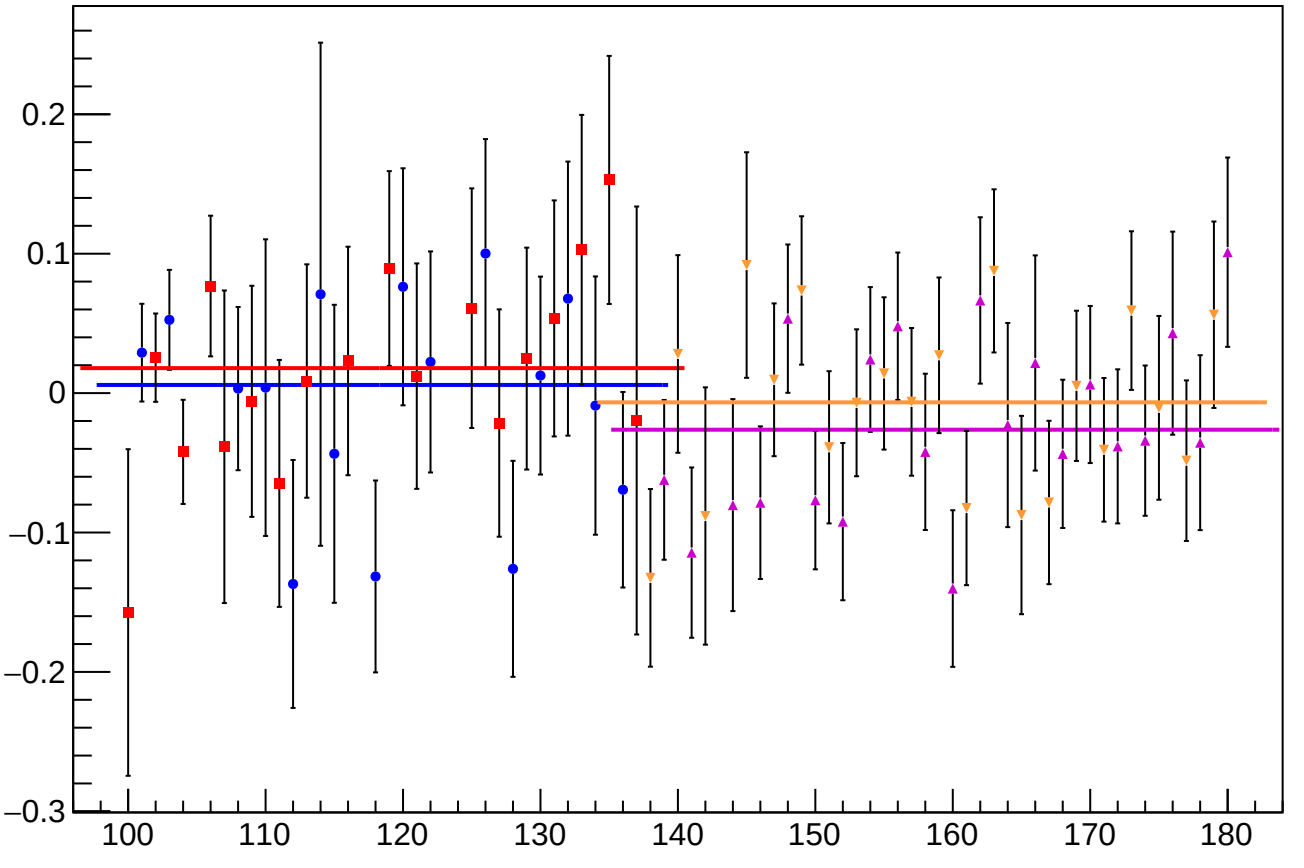
Left: 51.808+/-0.006 χ^2/NDF: 697301.9/41

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

In: 47.948+/-0.007 χ^2/NDF:2358914.8/36

Out: 46.674+/-0.007 χ^2/NDF:2935764.6/38

All: 47.304+/-0.005 χ^2/NDF: 5310782.2/75



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

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

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

Left In: -0.026+/-0.013 χ^2/NDF:23.4/20

Left: -0.017+/-0.009 χ^2/NDF: 44.7/41

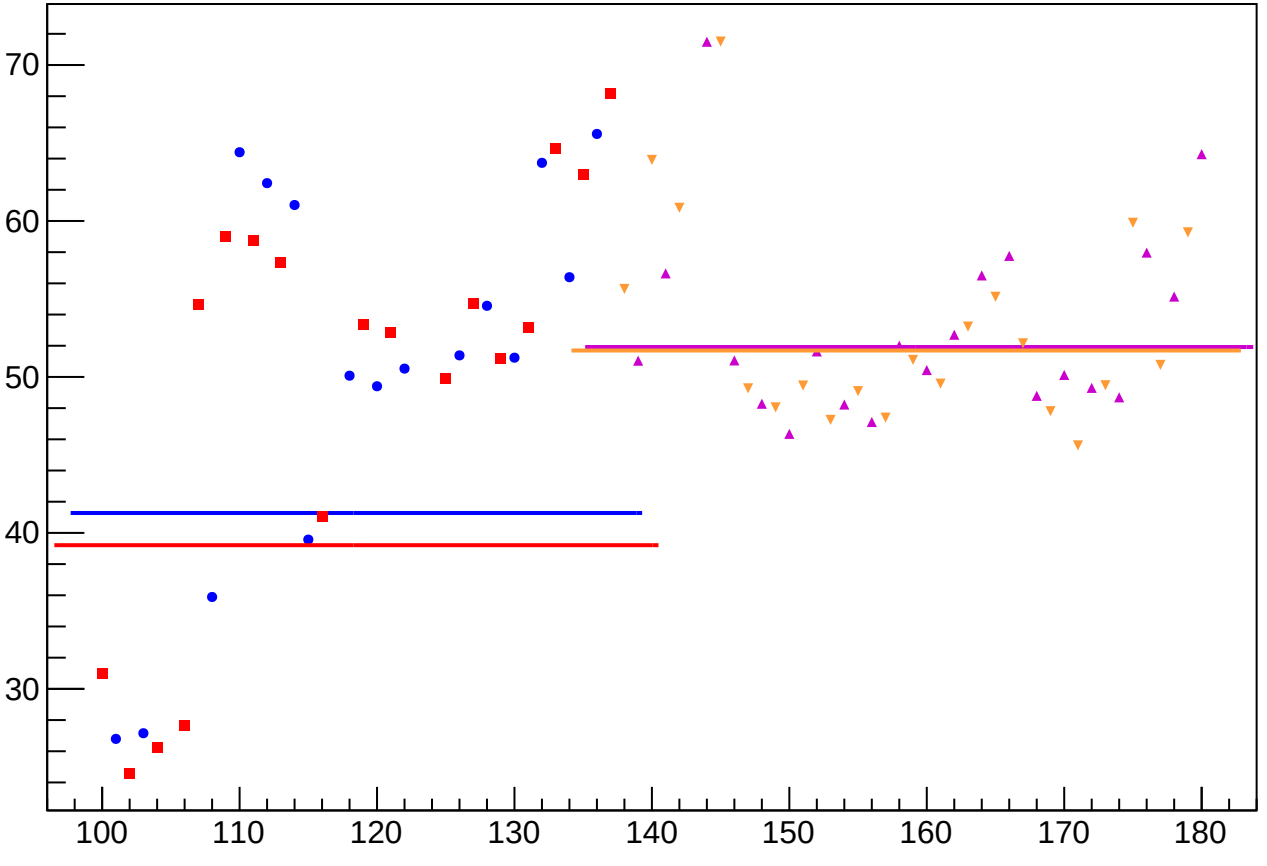
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.010 χ^2/NDF:41.3/36

Out: 0.003+/-0.010 χ^2/NDF:33.9/38

All: -0.005+/-0.007 χ^2/NDF: 76.8/75

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: 51.696+/-0.009 χ^2/NDF:363239.9/20

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

Left In: 51.918+/-0.009 χ^2/NDF:333760.7/20

Left: 51.808+/-0.006 χ^2/NDF: 697301.9/41

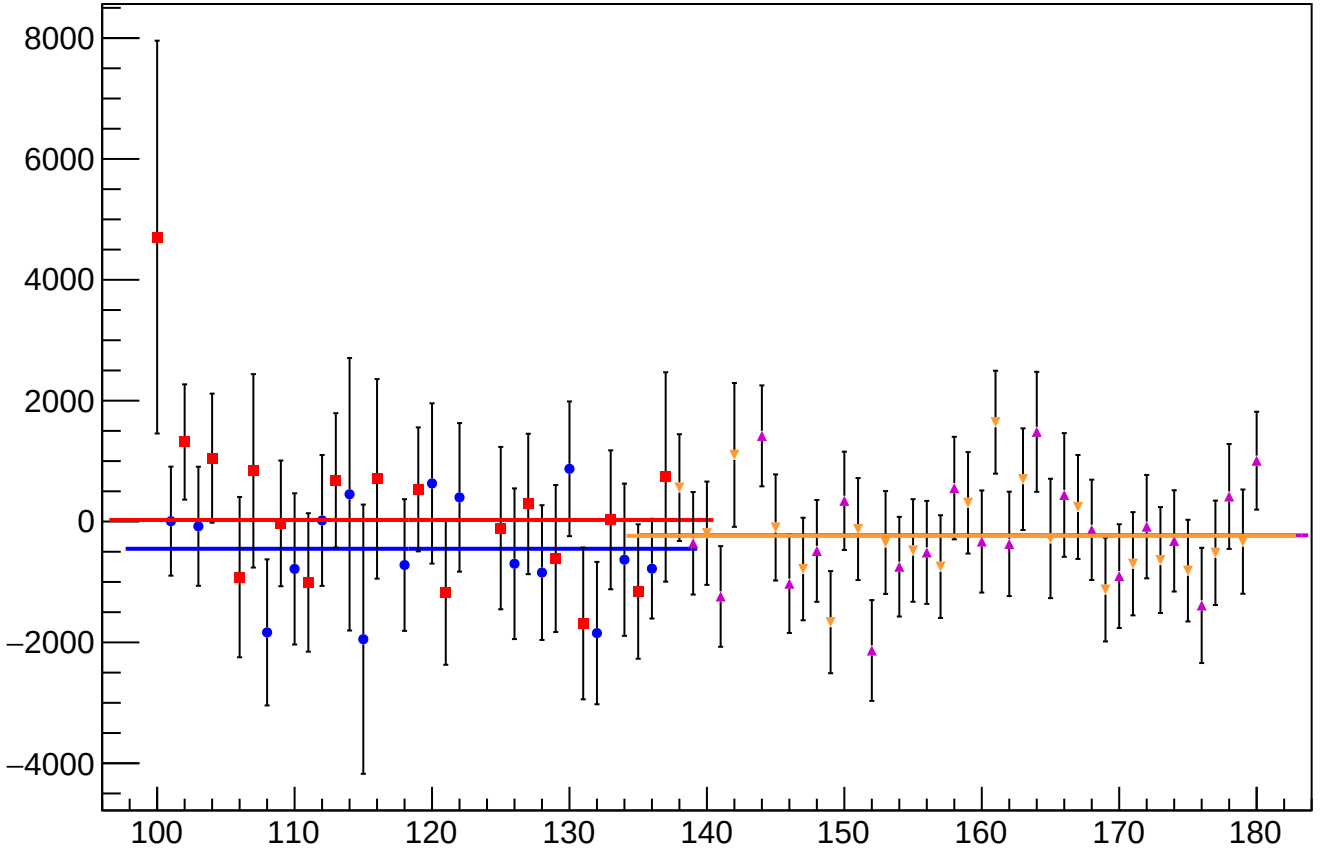
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.948+/-0.007 χ^2/NDF:2358914.8/36

Out: 46.674+/-0.007 χ^2/NDF:2935764.6/38

All: 47.304+/-0.005 χ^2/NDF: 5310782.2/75

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

Left In: -228.494+/-186.918 χ^2/NDF:22.0/20

Left: -232.061+/-133.232 χ^2/NDF: 36.9/41

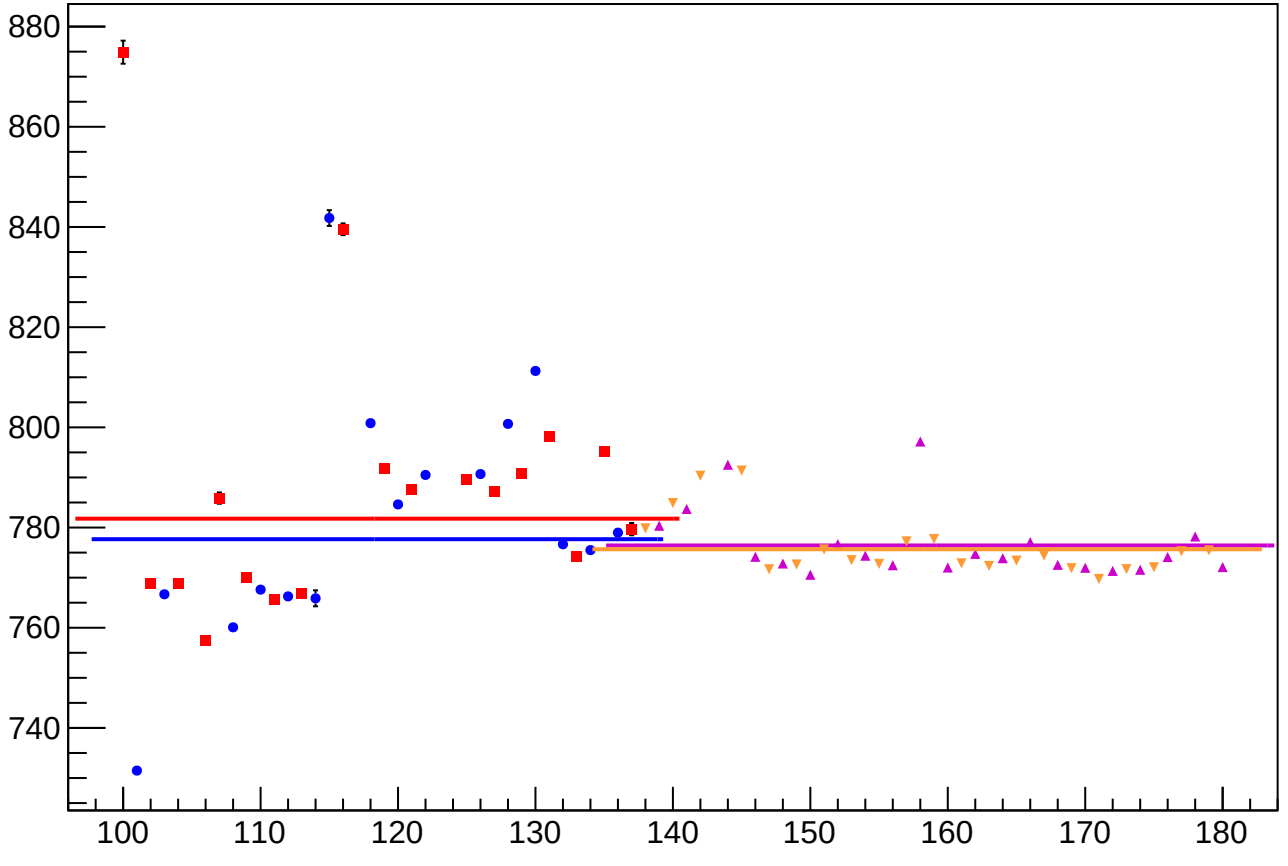
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -294.122+/-156.943 χ^2/NDF:29.3/36

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -225.976+/-111.551 χ^2/NDF: 56.9/75

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

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

Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

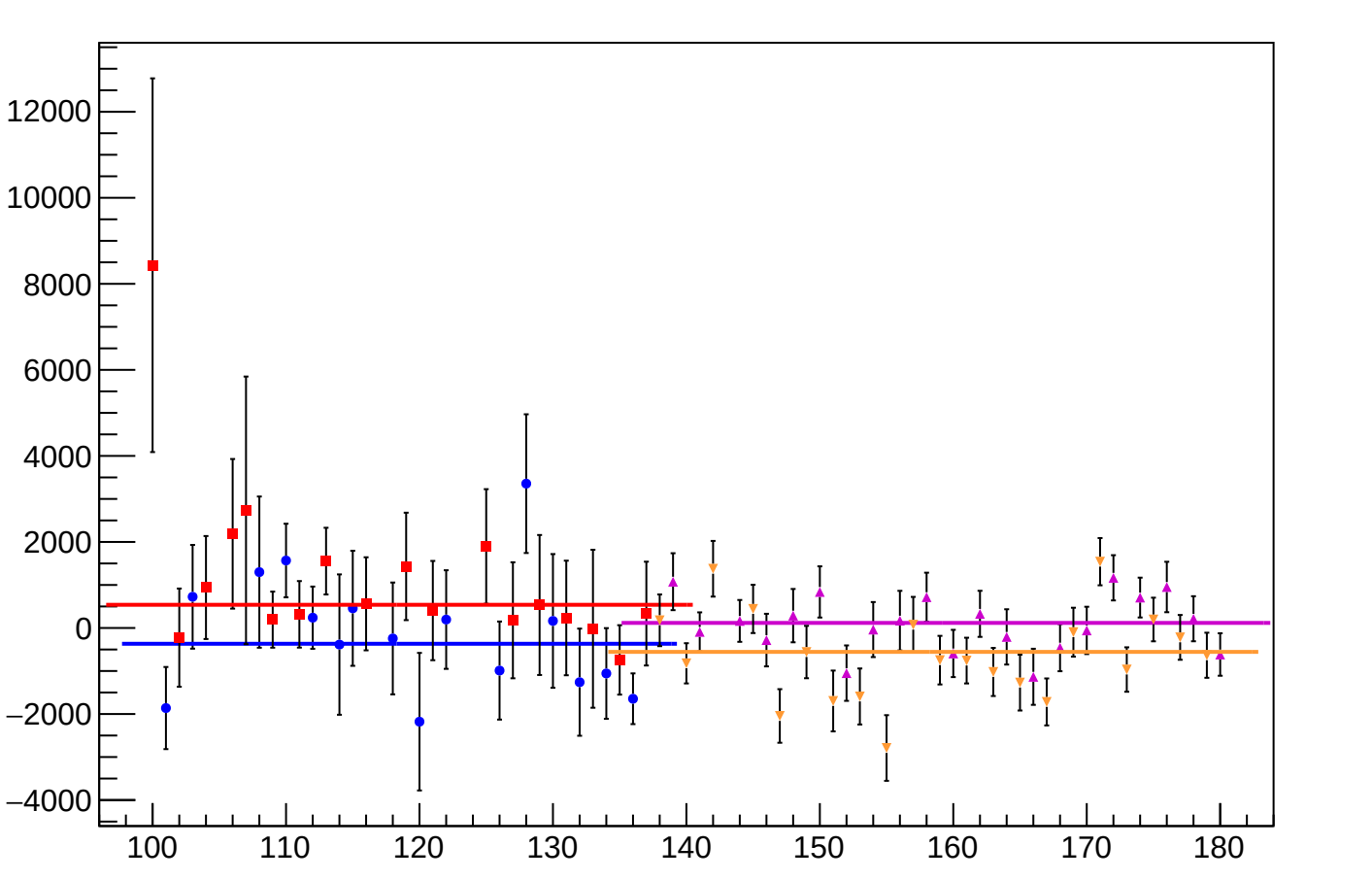
Left: 776.052+/-0.094 χ^2/NDF: 4381.1/41

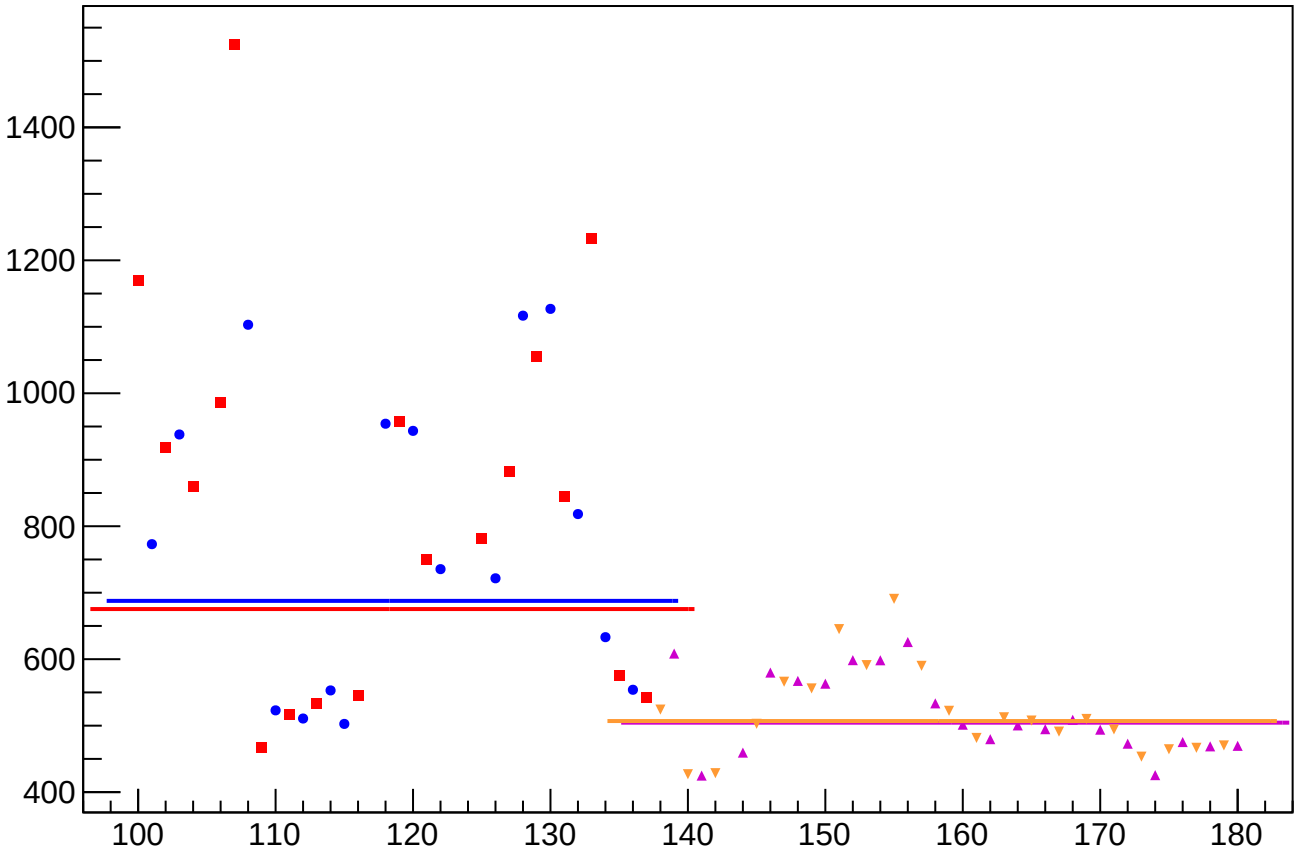
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.793+/-0.111 χ^2/NDF:14816.3/36

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75


asym_us_dd_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -555.599+/-125.342 χ²/NDF:59.5/20
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 117.961+/-122.489 χ²/NDF:25.6/20
Left: -211.066+/-87.604 χ²/NDF: 99.9/41
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: 33.482+/-111.311 χ²/NDF:51.6/36
Out: -352.899+/-113.142 χ²/NDF:85.3/38
All: -156.557+/-79.348 χ²/NDF: 142.8/75



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

Left: 505.694+/-0.062 χ^2/NDF: 892527.0/41

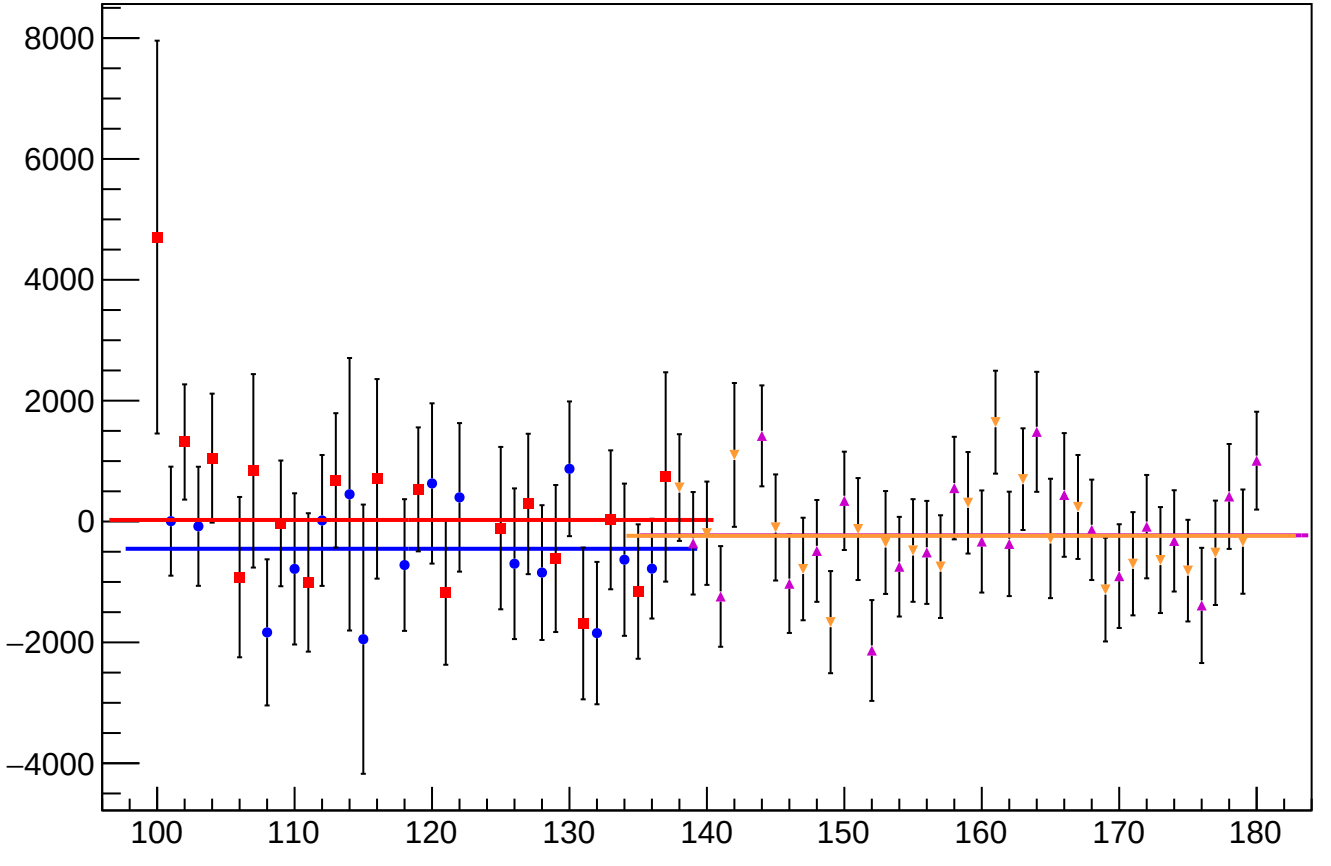
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 536.418+/-0.079 χ^2/NDF:2257272.9/36

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

Left In: -228.494+/-186.918 χ^2/NDF:22.0/20

Left: -232.061+/-133.232 χ^2/NDF: 36.9/41

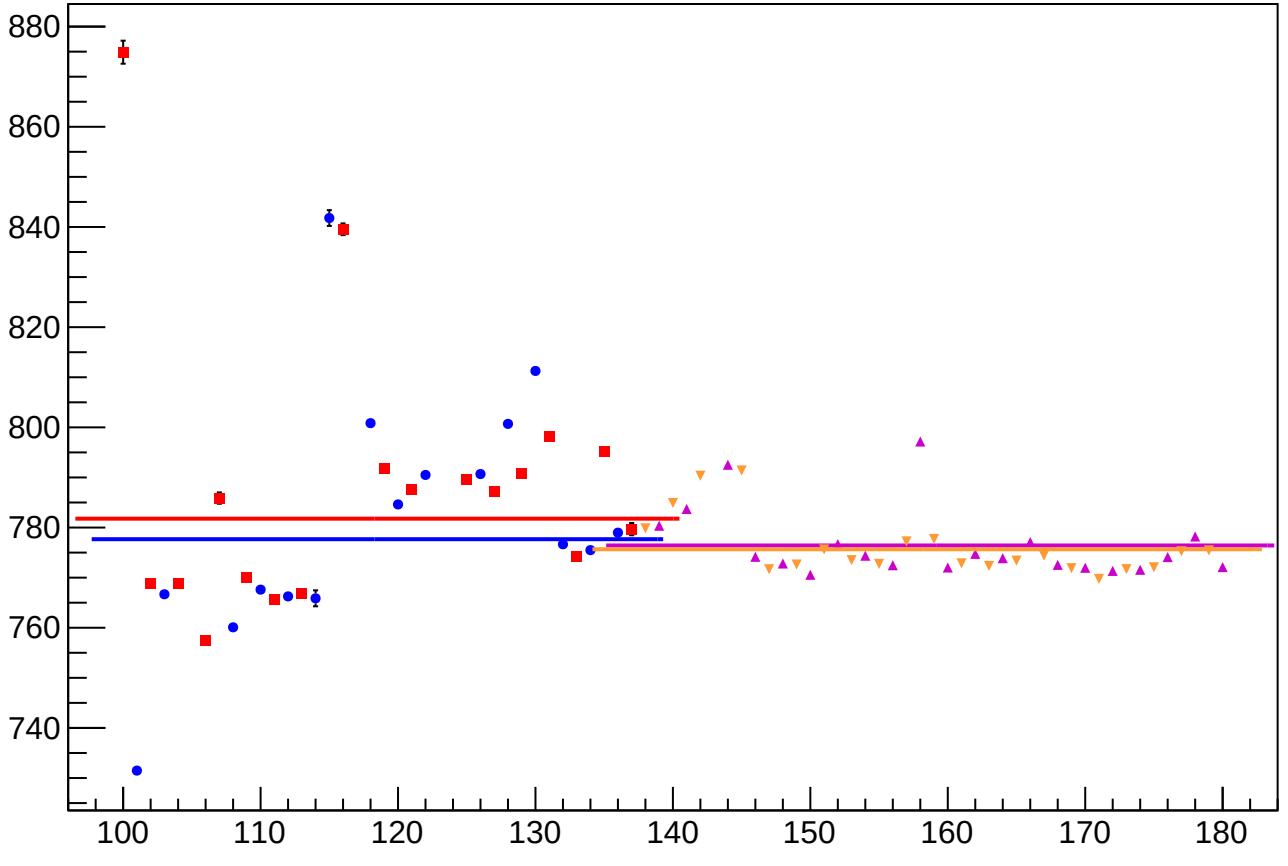
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -294.122+/-156.943 χ^2/NDF:29.3/36

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -225.976+/-111.551 χ^2/NDF: 56.9/75

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

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

Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

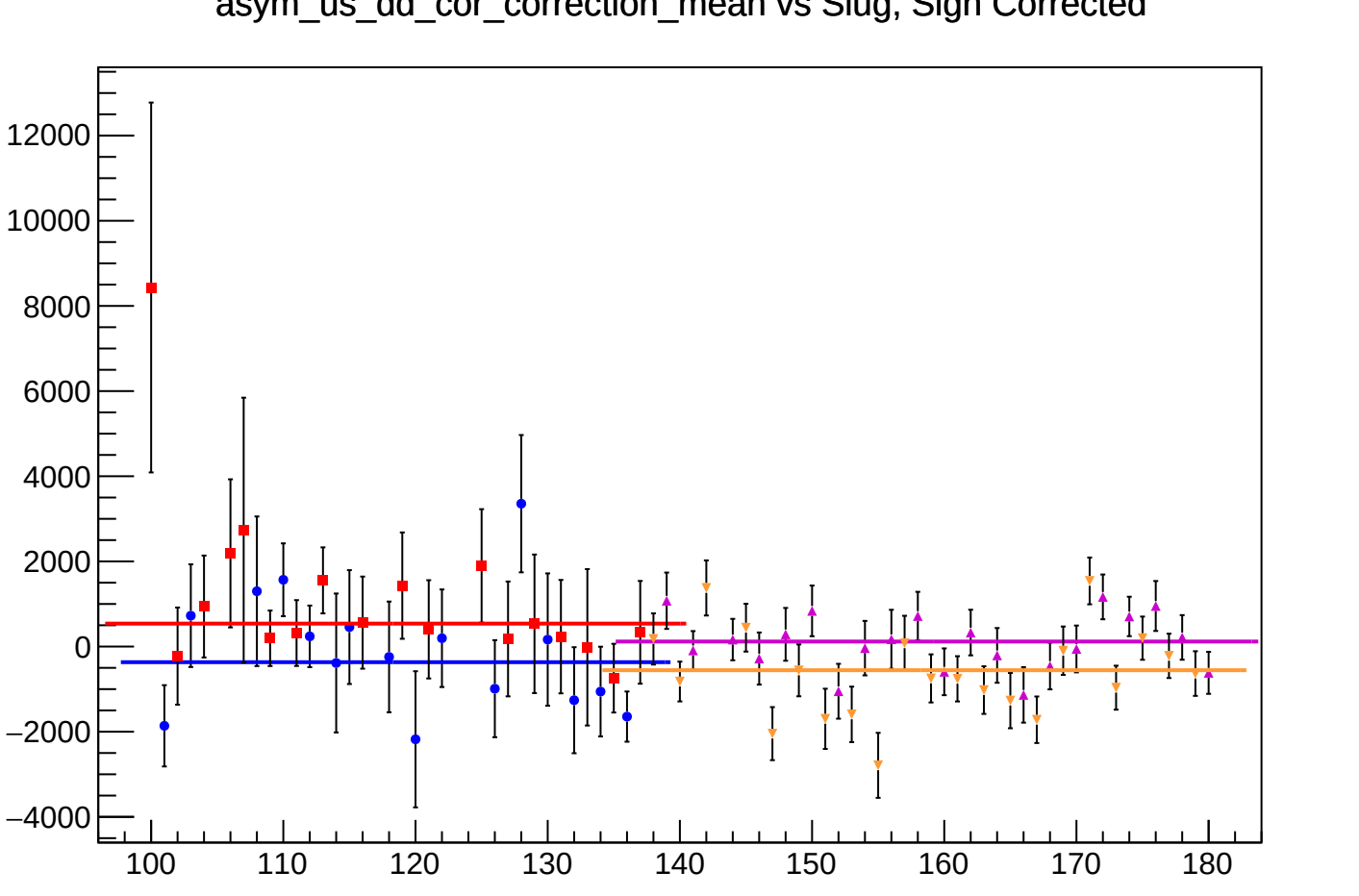
Left: 776.052+/-0.094 χ^2/NDF: 4381.1/41

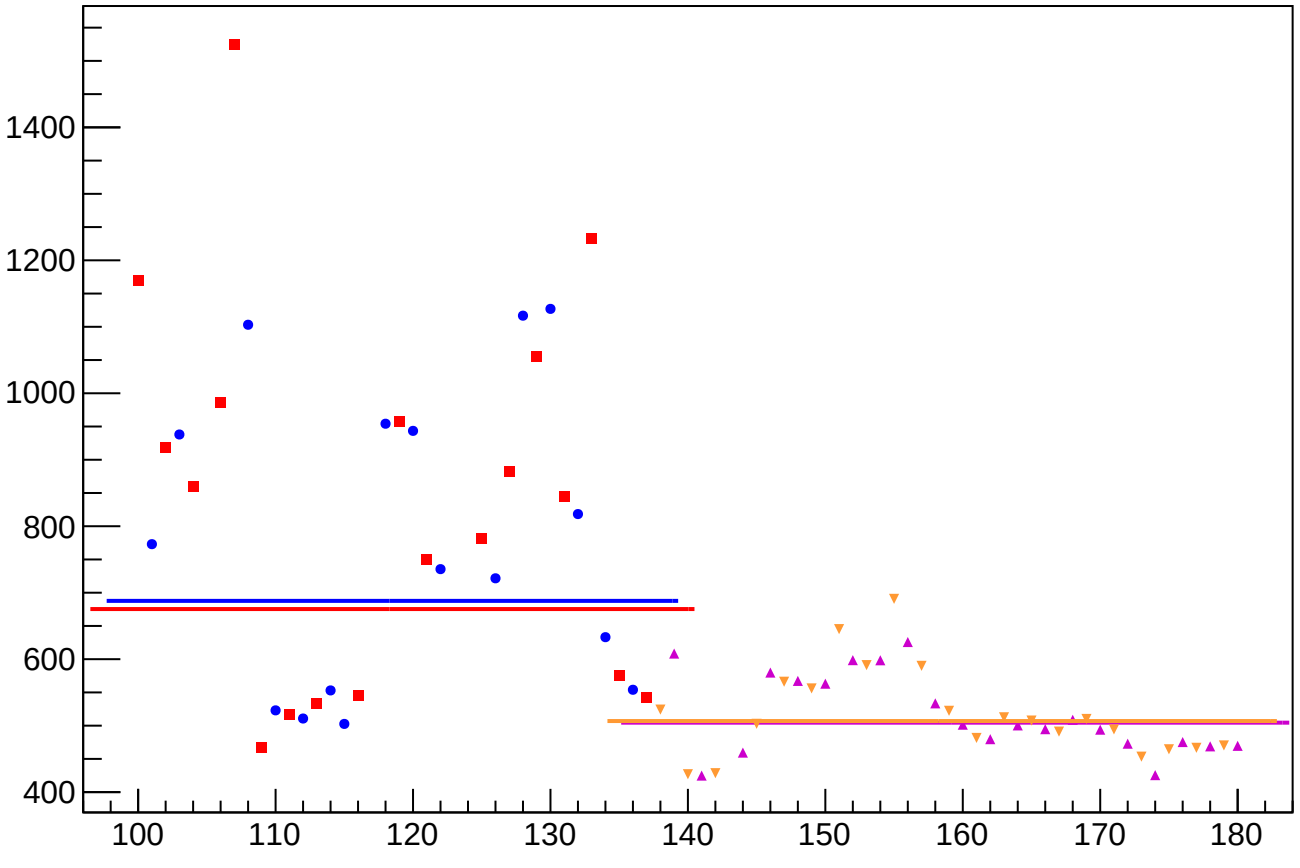
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.793+/-0.111 χ^2/NDF:14816.3/36

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75


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
180
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -555.599+/-125.342 χ²/NDF:59.5/20
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 117.961+/-122.489 χ²/NDF:25.6/20
Left: -211.066+/-87.604 χ²/NDF: 99.9/41
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: 33.482+/-111.311 χ²/NDF:51.6/36
Out: -352.899+/-113.142 χ²/NDF:85.3/38
All: -156.557+/-79.348 χ²/NDF: 142.8/75



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

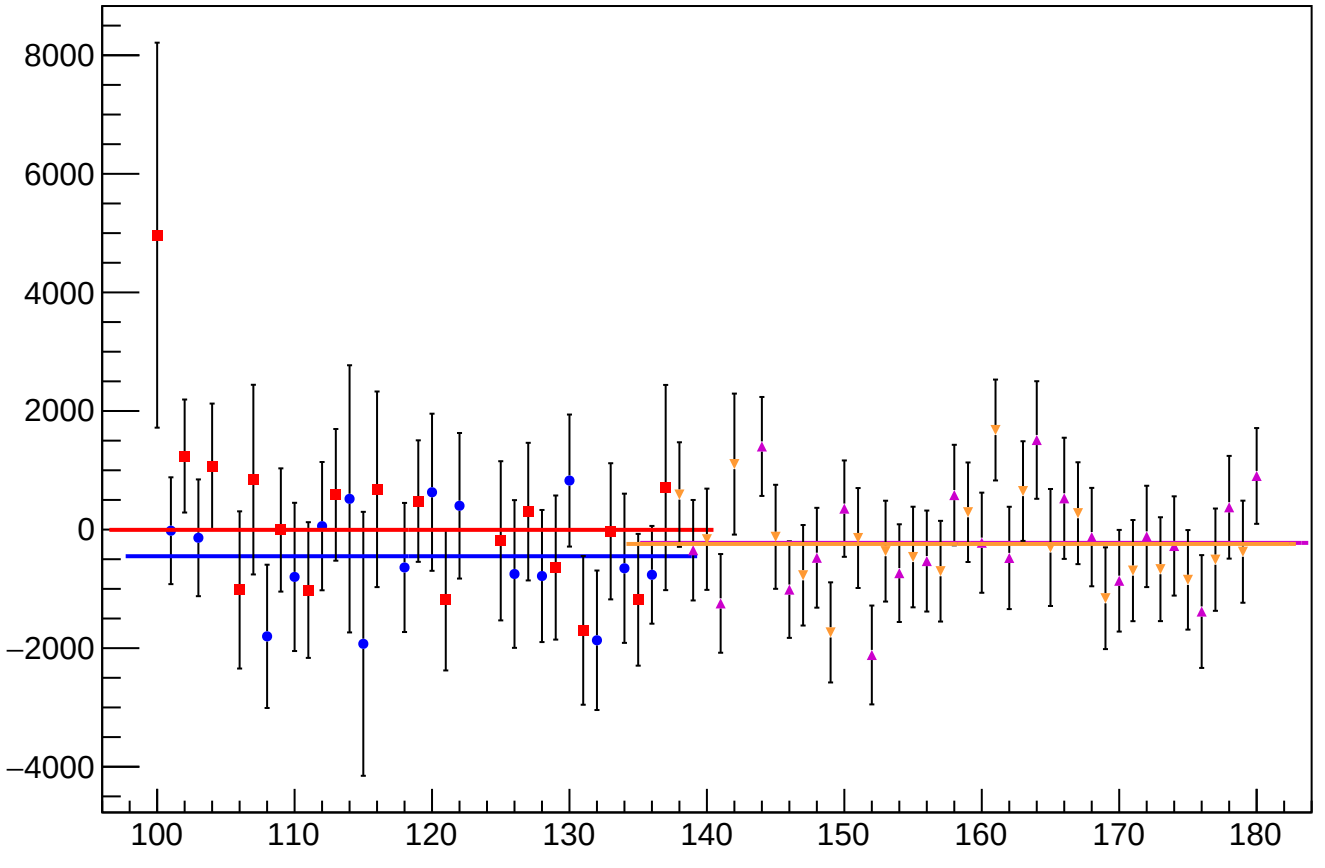
Left: 505.694+/-0.062 χ^2/NDF: 892527.0/41

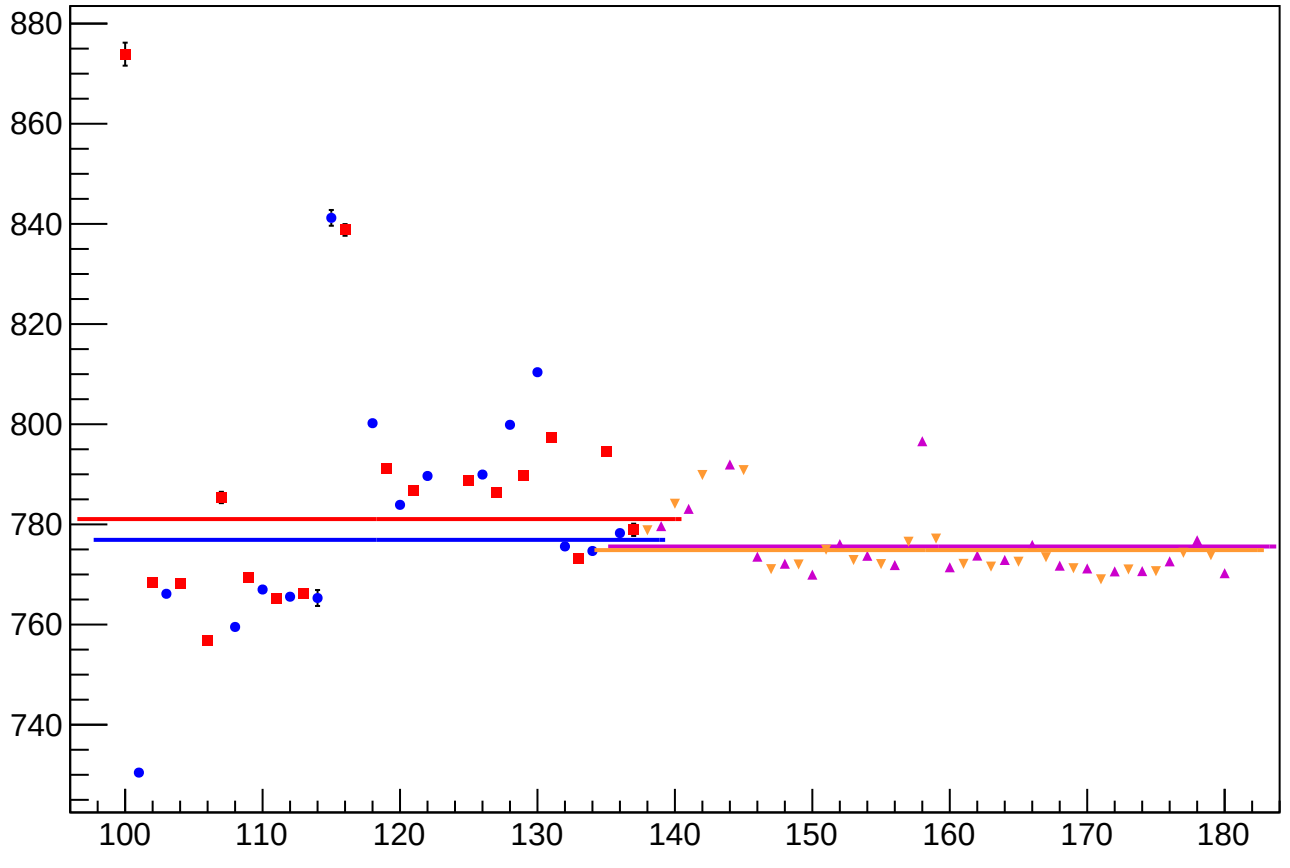
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 536.418+/-0.079 χ^2/NDF:2257272.9/36

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75


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
180
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -242.333+/-189.760 χ²/NDF:15.4/20
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -224.511+/-186.716 χ²/NDF:21.6/20
Left: -233.278+/-133.091 χ²/NDF: 37.0/41
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -290.855+/-156.778 χ²/NDF:28.8/36
Out: -170.317+/-158.425 χ²/NDF:27.7/38
All: -231.216+/-111.437 χ²/NDF: 56.8/75



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

Left Out: 774.866+/-0.134 χ^2/NDF:1664.8/20

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

Left In: 775.587+/-0.132 χ^2/NDF:2811.5/20

Left: 775.232+/-0.094 χ^2/NDF: 4491.0/41

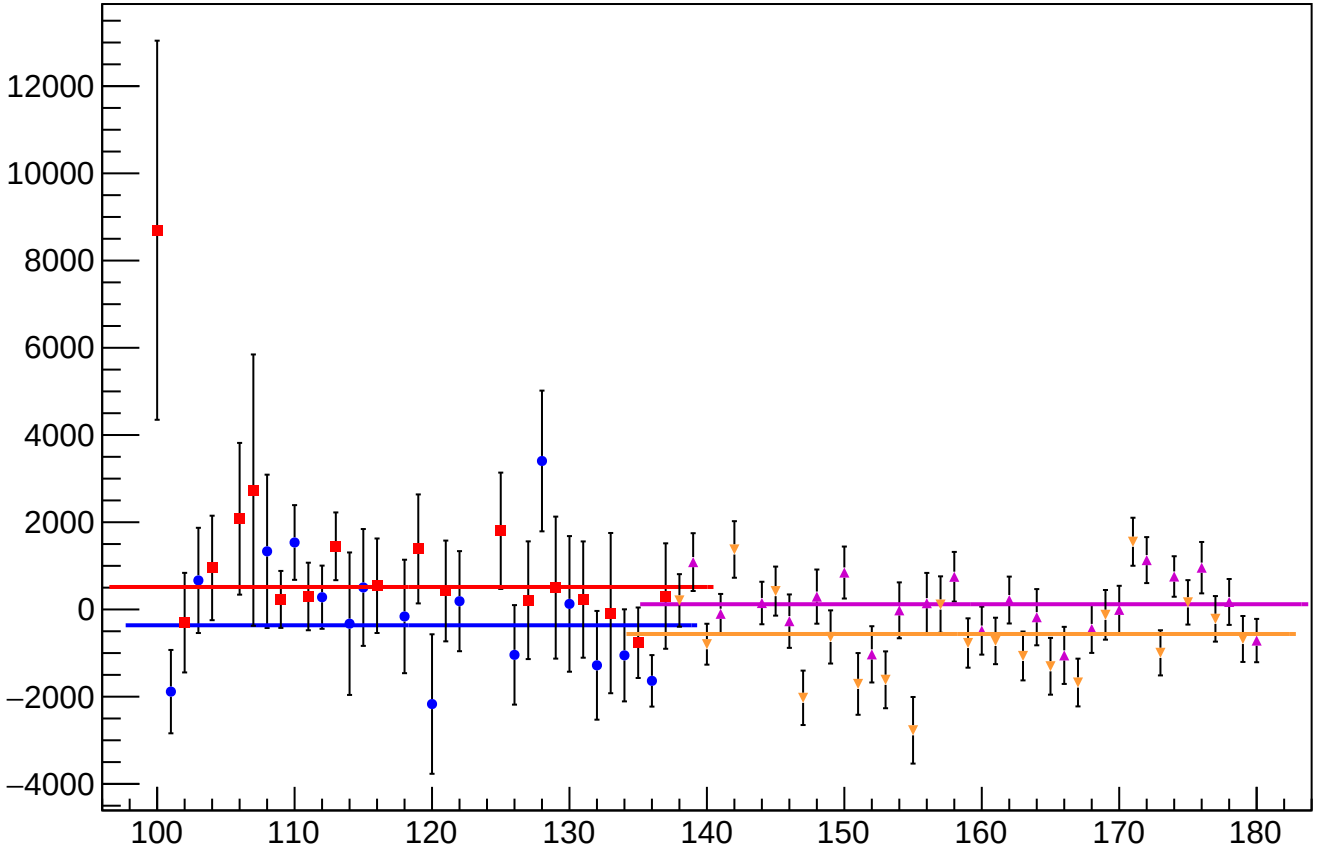
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 775.978+/-0.111 χ^2/NDF:14964.8/36

Out: 776.743+/-0.112 χ^2/NDF:9896.4/38

All: 776.356+/-0.079 χ^2/NDF: 24884.8/75

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -562.509+/-125.672 χ^2/NDF:59.1/20

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

Left In: 120.003+/-122.834 χ^2/NDF:25.0/20

Left: -213.460+/-87.843 χ^2/NDF: 99.1/41

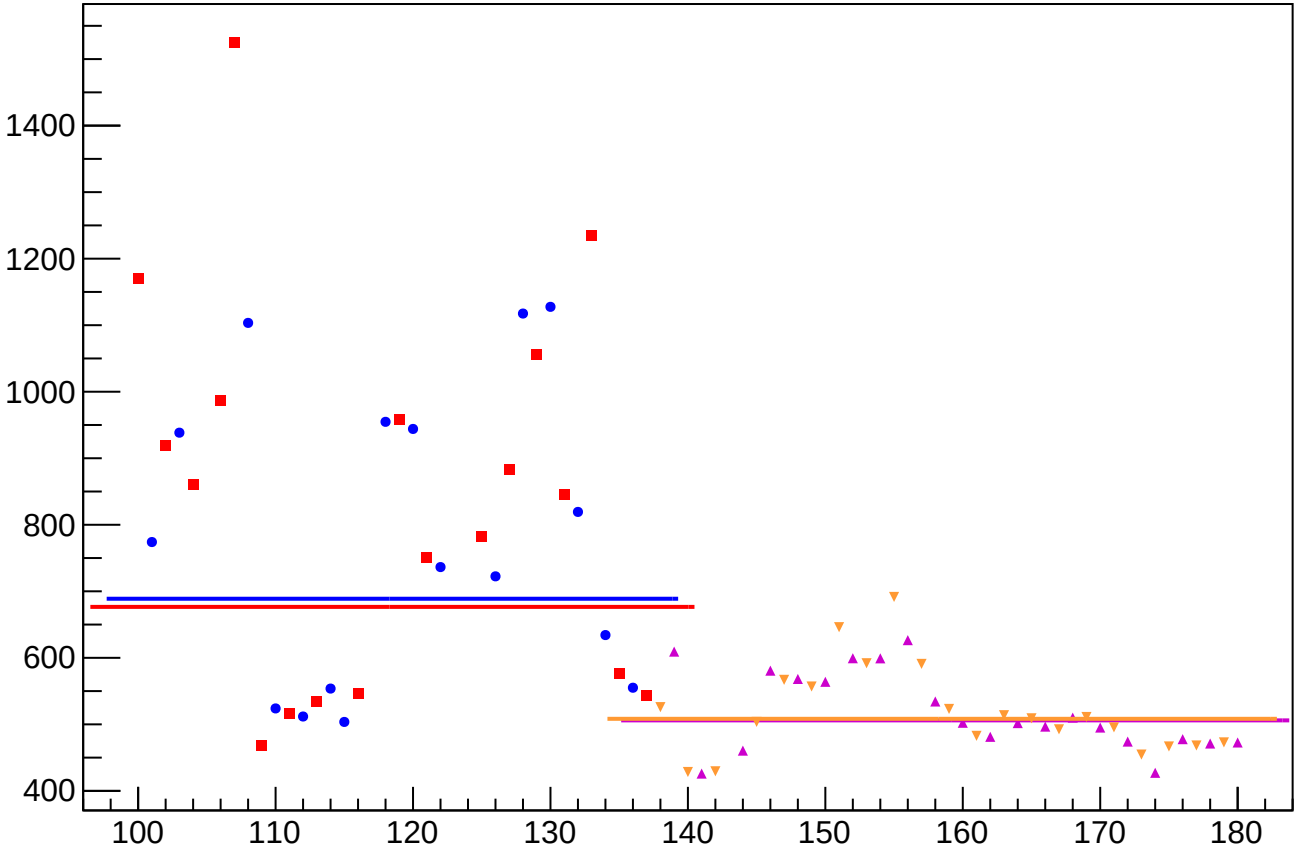
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: 35.710+/-111.598 χ^2/NDF:51.0/36

Out: -362.531+/-113.416 χ^2/NDF:84.1/38

All: -160.193+/-79.547 χ^2/NDF: 141.4/75

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 508.331+/-0.089 χ^2/NDF:440696.0/20

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

Left In: 505.983+/-0.087 χ^2/NDF:439271.0/20

Left: 507.130+/-0.062 χ^2/NDF: 880324.0/41

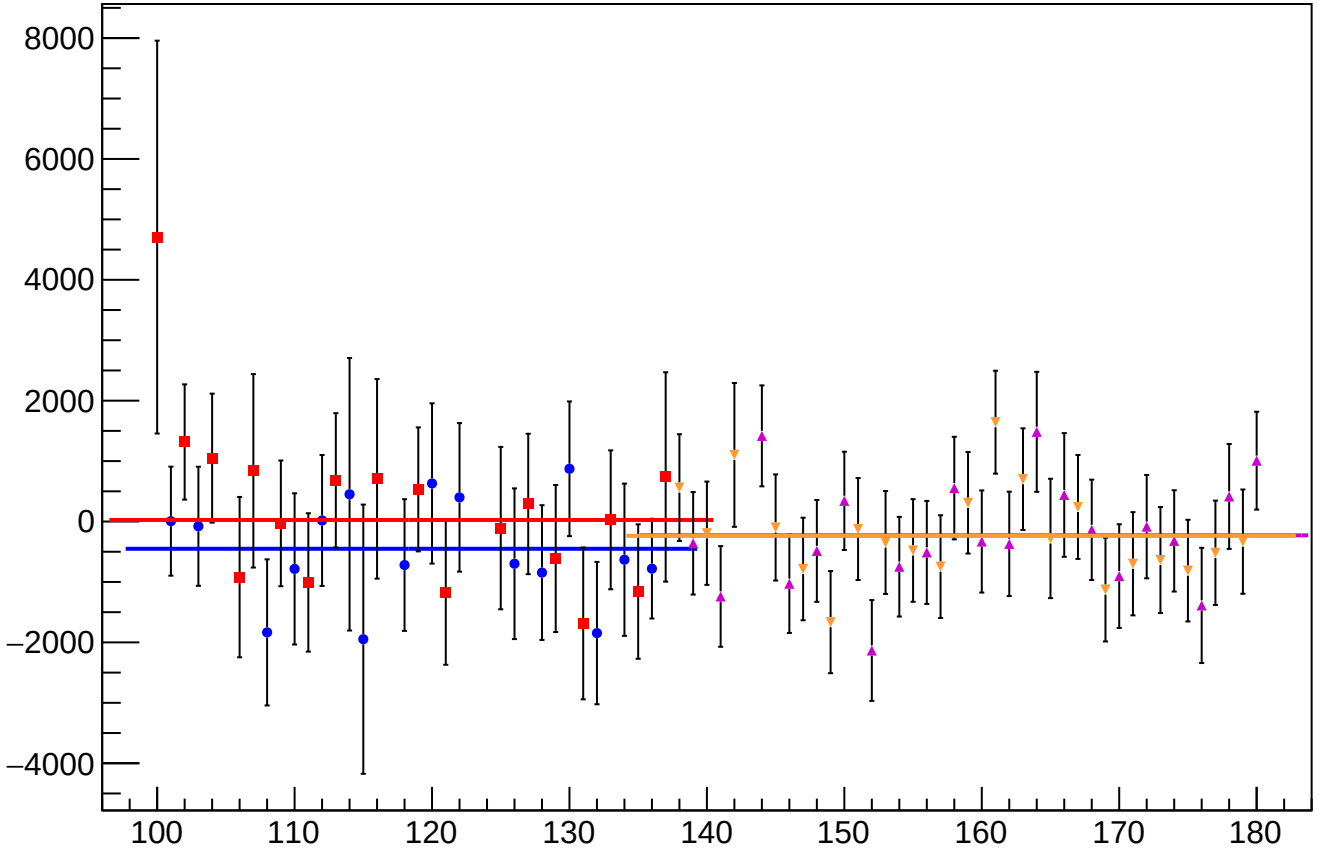
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 537.905+/-0.079 χ^2/NDF:2241087.3/36

Out: 539.546+/-0.080 χ^2/NDF:2413785.7/38

All: 538.712+/-0.056 χ^2/NDF: 4655085.8/75

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

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

Left In: -228.494+/-186.918 χ^2/NDF:22.0/20

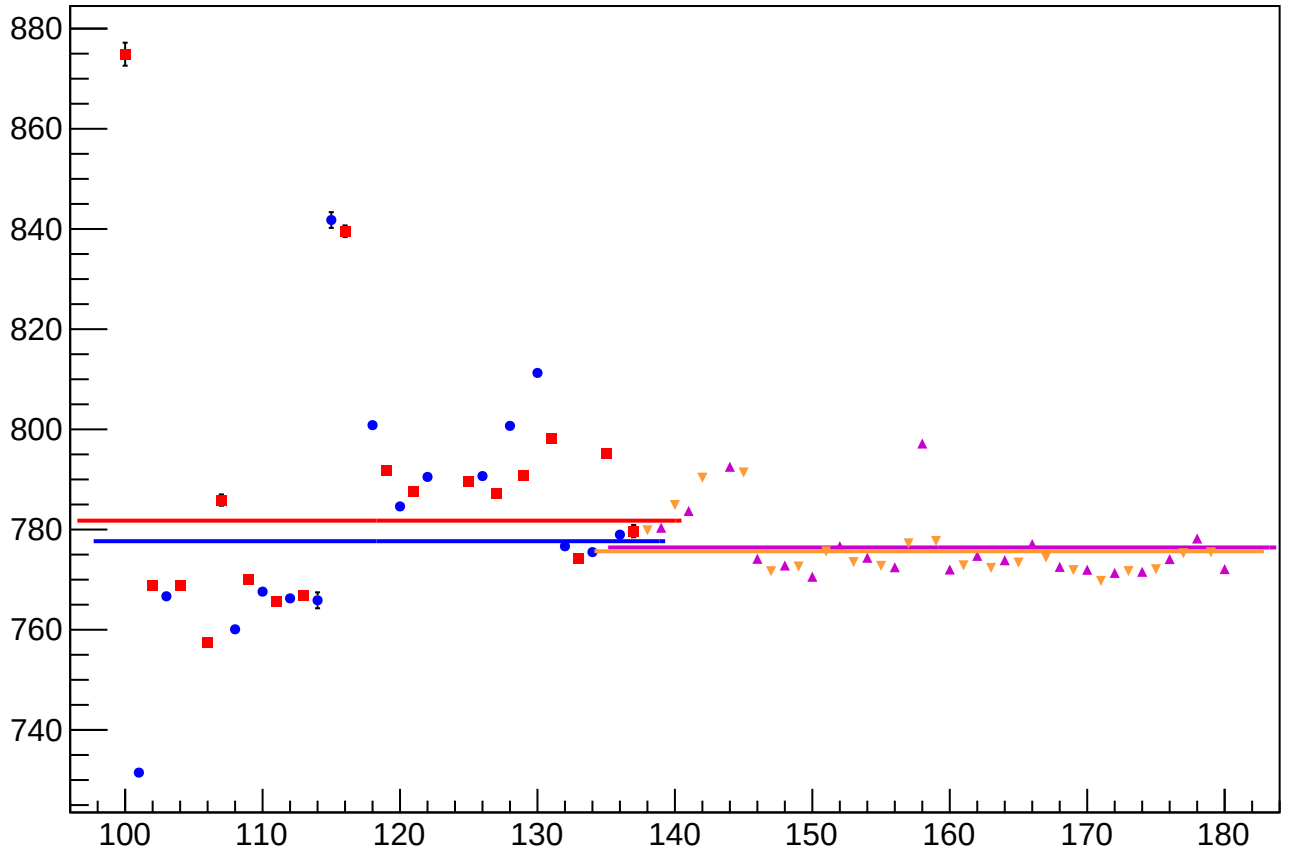
Left: -232.061+/-133.232 χ^2/NDF: 36.9/41

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

In: -294.122+/-156.943 χ^2/NDF:29.3/36

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -225.976+/-111.551 χ^2/NDF: 56.9/75



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

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

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

Left In: 776.424+/-0.132 χ^2/NDF:2734.5/20

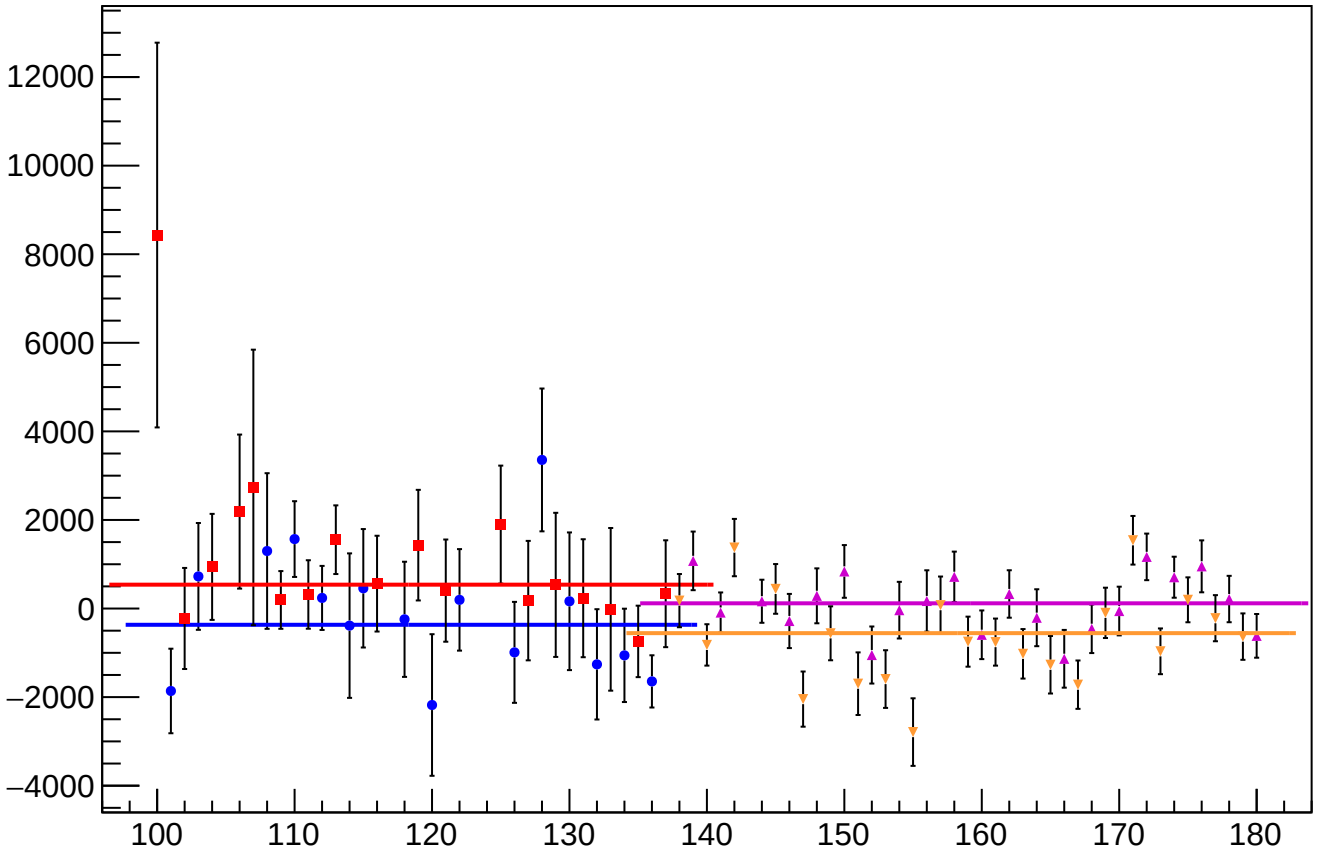
Left: 776.052+/-0.094 χ^2/NDF: 4381.1/41

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

In: 776.793+/-0.111 χ^2/NDF:14816.3/36

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.152+/-0.079 χ^2/NDF: 24721.3/75



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

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

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

Left In: 117.961+/-122.489 χ^2/NDF:25.6/20

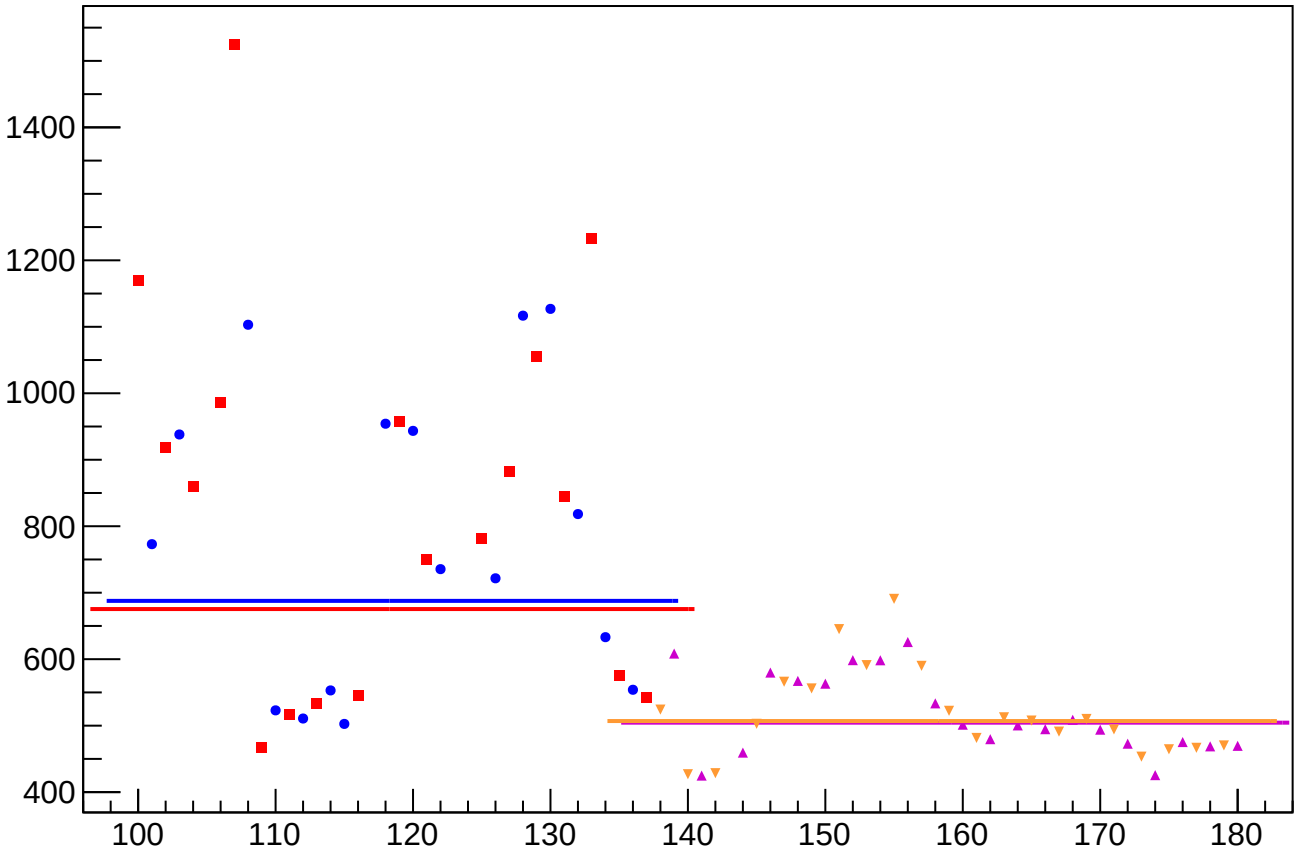
Left: -211.066+/-87.604 χ^2/NDF: 99.9/41

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

In: 33.482+/-111.311 χ^2/NDF:51.6/36

Out: -352.899+/-113.142 χ^2/NDF:85.3/38

All: -156.557+/-79.348 χ^2/NDF: 142.8/75



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

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

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

Left In: 504.503+/-0.087 χ^2/NDF:445923.4/20

Left: 505.694+/-0.062 χ^2/NDF: 892527.0/41

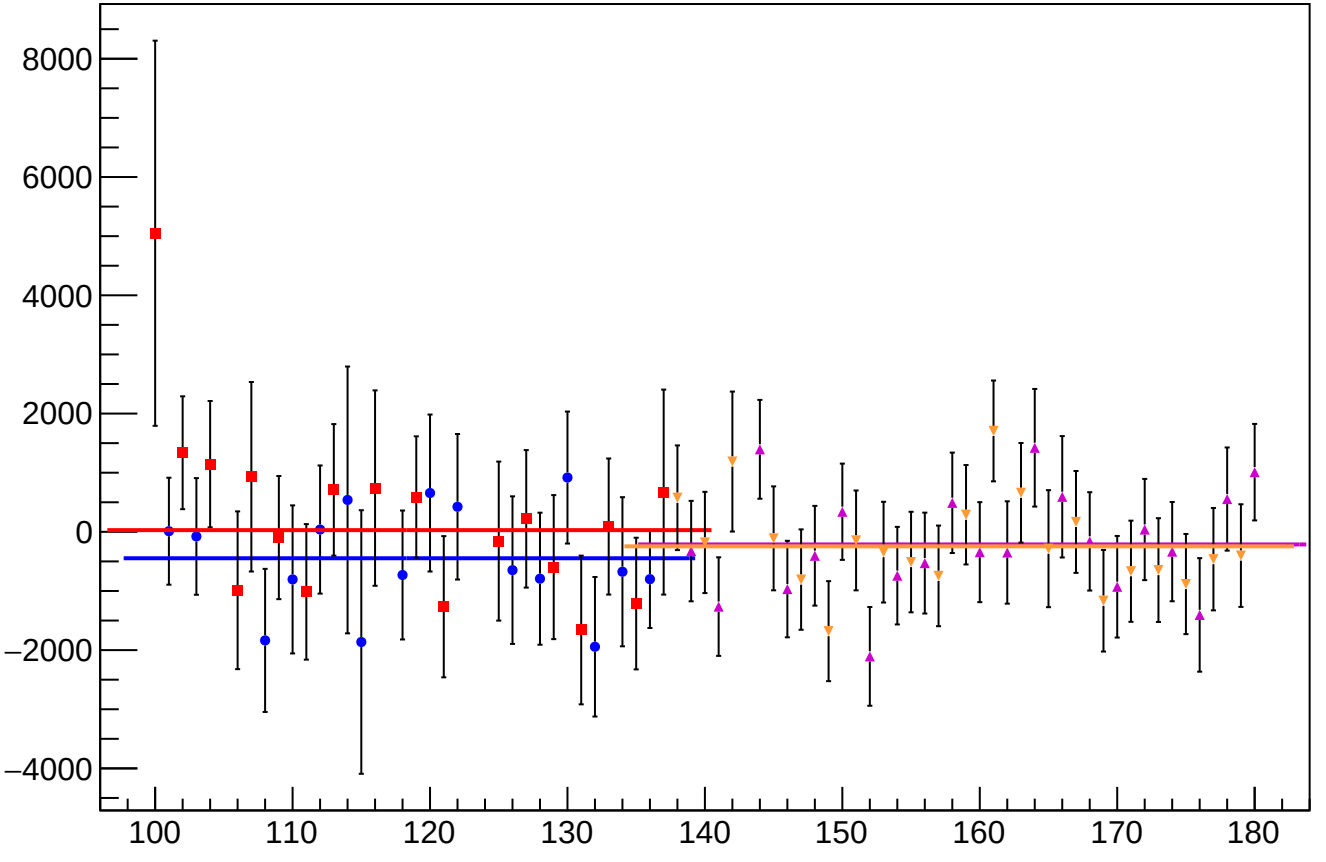
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 536.418+/-0.079 χ^2/NDF:2257272.9/36

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 537.265+/-0.056 χ^2/NDF: 4685867.8/75

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -244.949+/-190.239 χ^2/NDF:15.4/20

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

Left In: -212.996+/-187.248 χ^2/NDF:21.8/20

Left: -228.719+/-133.450 χ^2/NDF: 37.2/41

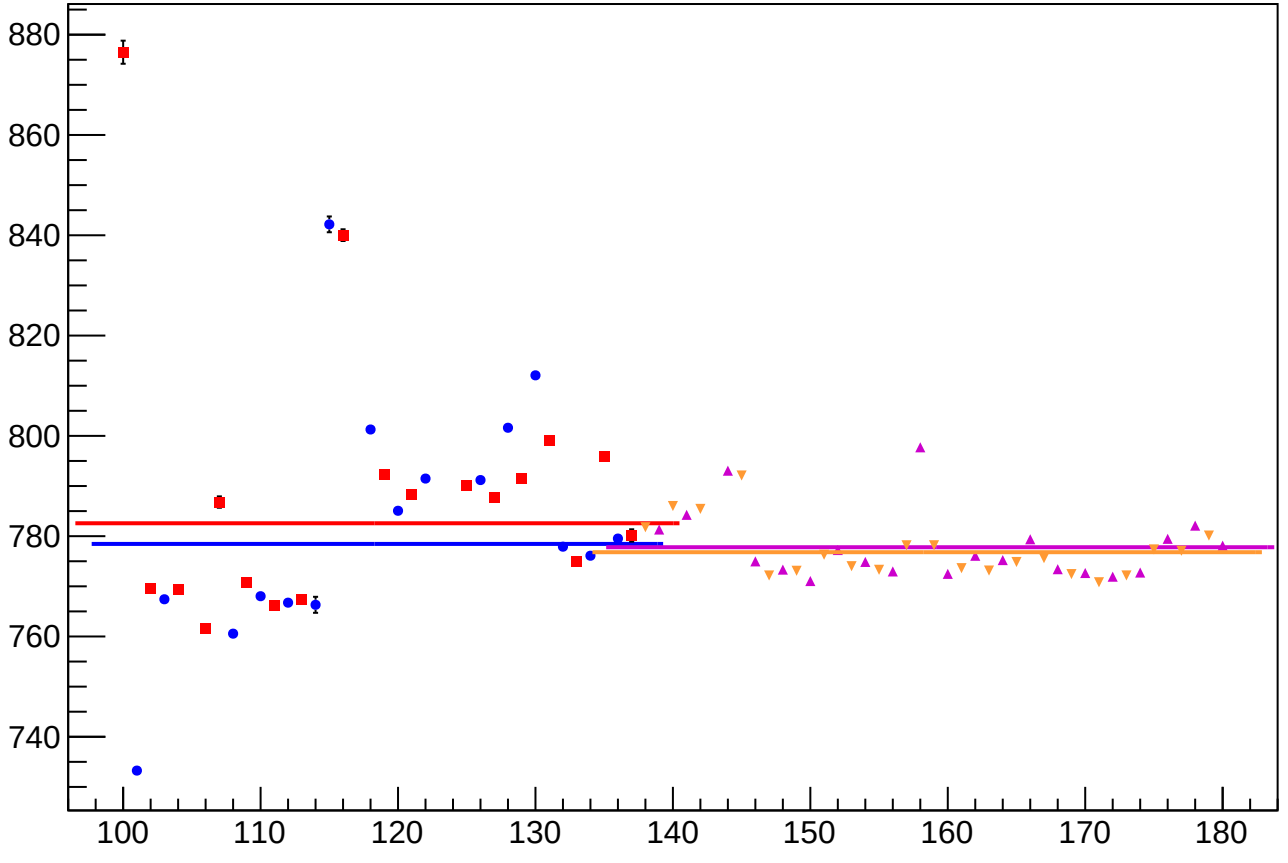
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -282.004+/-157.185 χ^2/NDF:29.5/36

Out: -161.943+/-158.797 χ^2/NDF:28.7/38

All: -222.586+/-111.712 χ^2/NDF: 58.5/75

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

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

Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

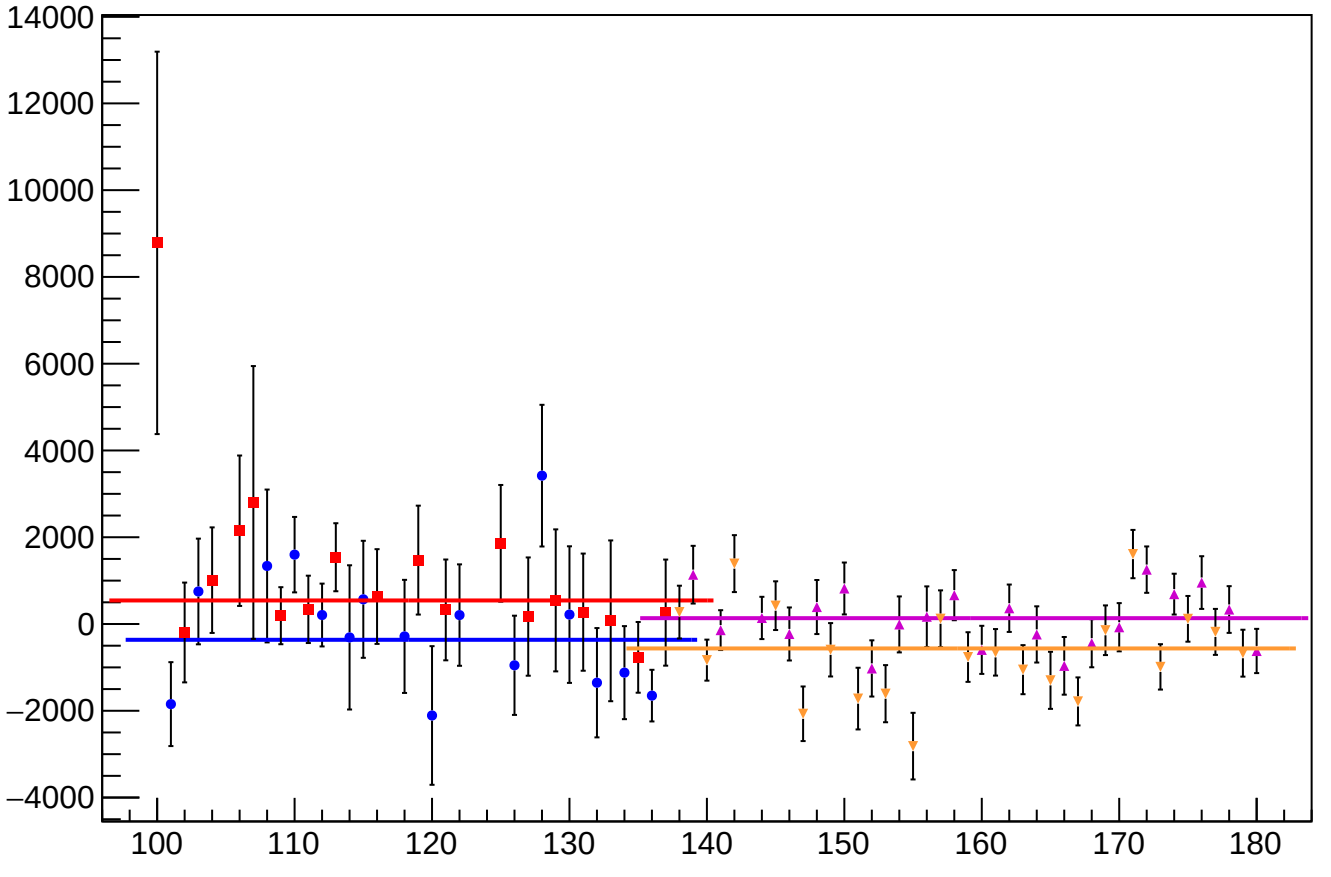
Left: 777.309+/-0.094 χ^2/NDF: 4196.4/41

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

In: 777.991+/-0.111 χ^2/NDF:14485.8/36

Out: 778.555+/-0.112 χ^2/NDF:9524.9/38

All: 778.270+/-0.079 χ^2/NDF: 24023.4/75



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

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

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

Left In: 134.691+/-124.169 χ^2/NDF:24.7/20

Left: -206.188+/-88.814 χ^2/NDF: 100.6/41

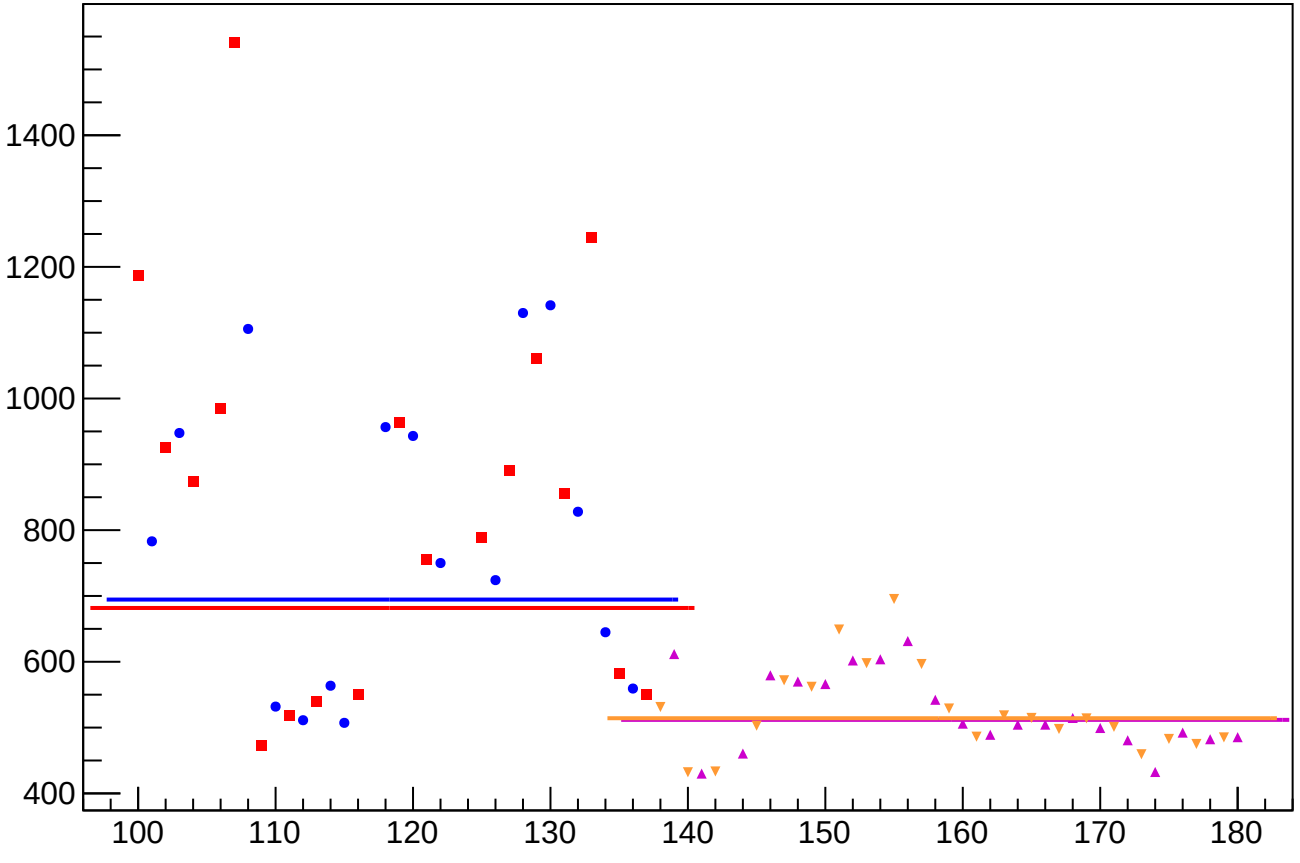
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: 47.271+/-112.761 χ^2/NDF:50.8/36

Out: -356.783+/-114.612 χ^2/NDF:86.4/38

All: -151.468+/-80.381 χ^2/NDF: 143.5/75

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 514.214+/-0.090 χ^2/NDF:424717.7/20

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

Left In: 511.734+/-0.088 χ^2/NDF:414743.7/20

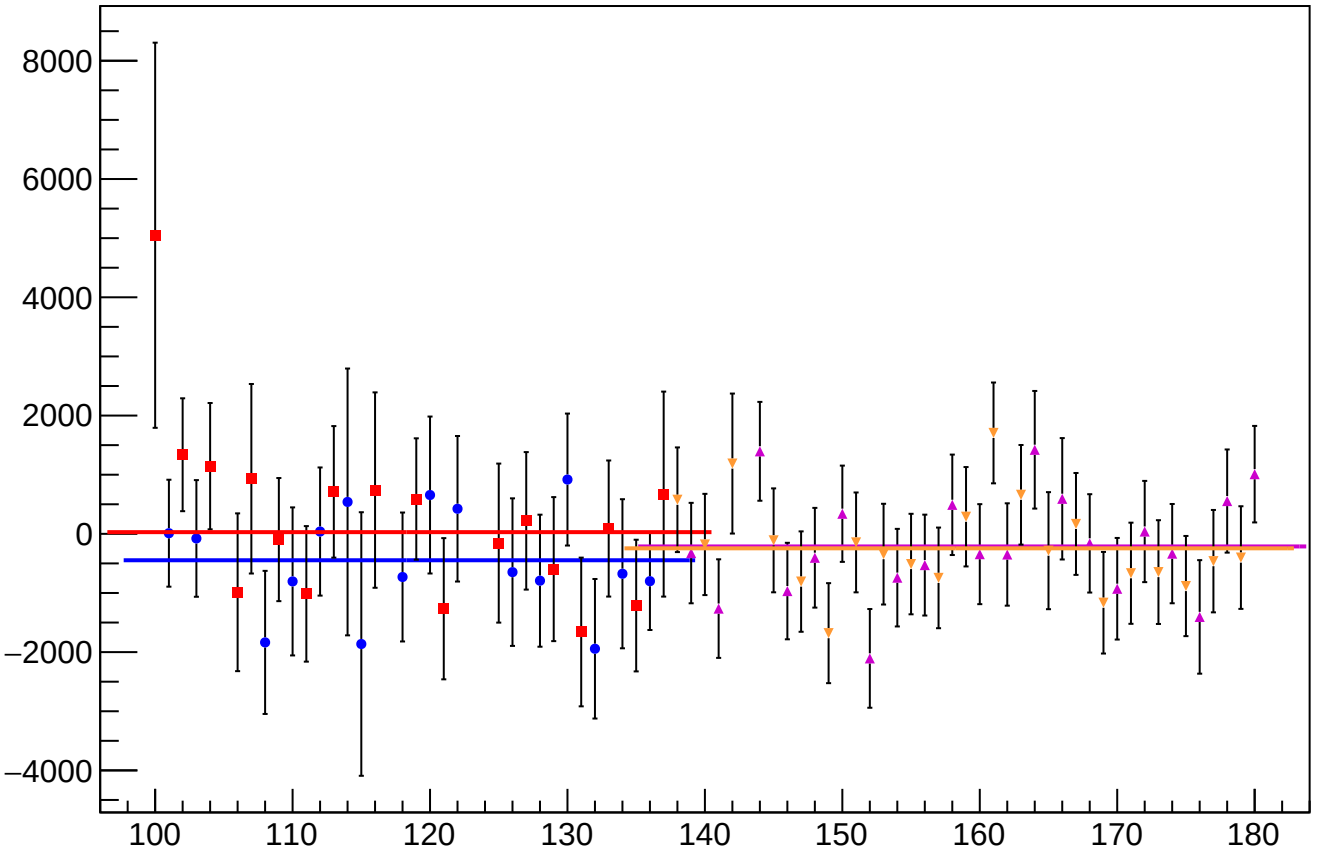
Left: 512.945+/-0.063 χ^2/NDF: 839850.9/41

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

In: 543.778+/-0.080 χ^2/NDF:2204422.1/36

Out: 545.486+/-0.081 χ^2/NDF:2384816.4/38

All: 544.618+/-0.057 χ^2/NDF: 4589464.3/75



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

Left Out: -244.950+/-190.239 χ^2/NDF:15.4/20

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

Left In: -212.995+/-187.248 χ^2/NDF:21.8/20

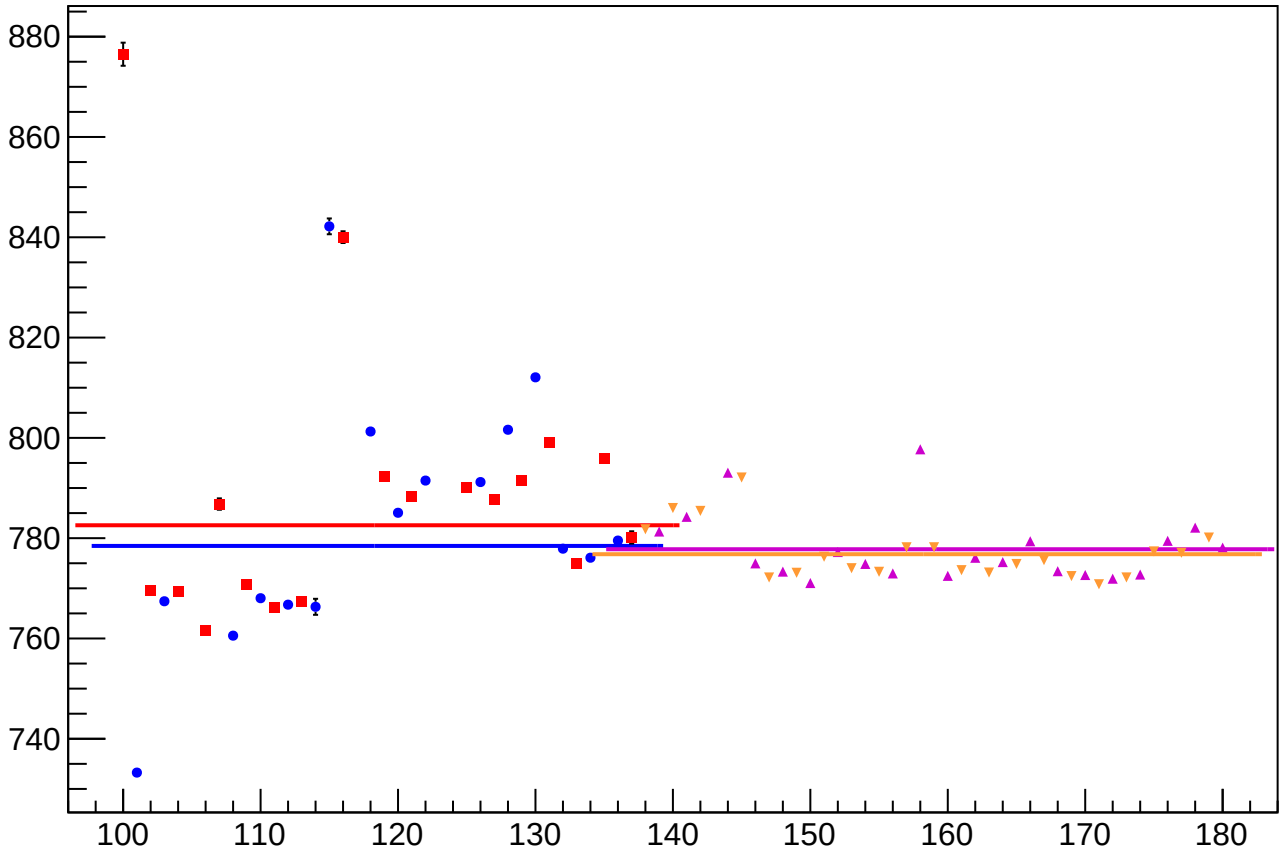
Left: -228.719+/-133.450 χ^2/NDF: 37.2/41

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

In: -282.003+/-157.185 χ^2/NDF:29.5/36

Out: -161.944+/-158.797 χ^2/NDF:28.7/38

All: -222.586+/-111.712 χ^2/NDF: 58.5/75



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

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

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

Left In: 777.797+/-0.132 χ^2/NDF:2683.3/20

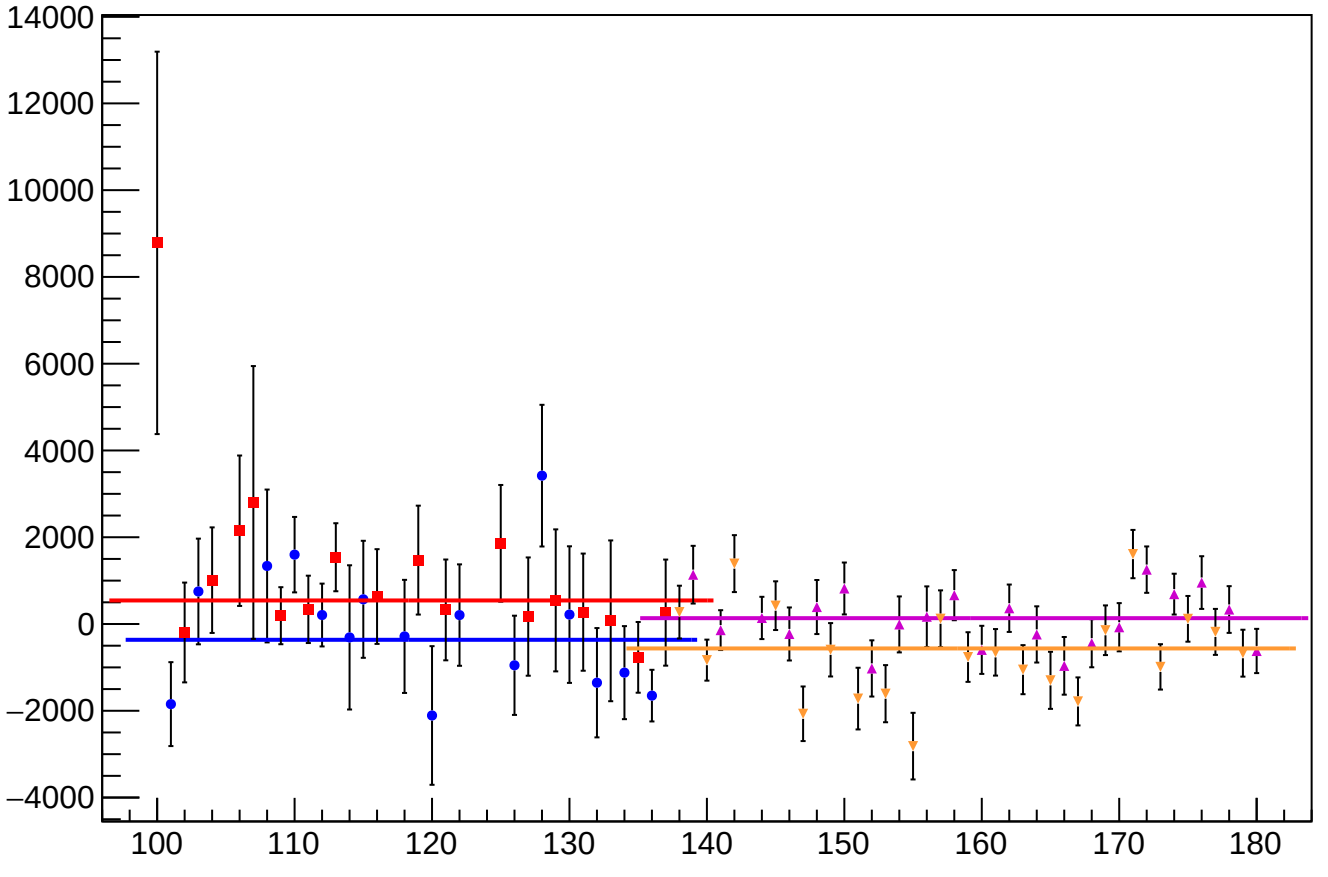
Left: 777.309+/-0.094 χ^2/NDF: 4196.4/41

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

In: 777.991+/-0.111 χ^2/NDF:14485.8/36

Out: 778.555+/-0.112 χ^2/NDF:9524.9/38

All: 778.270+/-0.079 χ^2/NDF: 24023.3/75



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

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

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

Left In: 134.690+/-124.169 χ^2/NDF:24.7/20

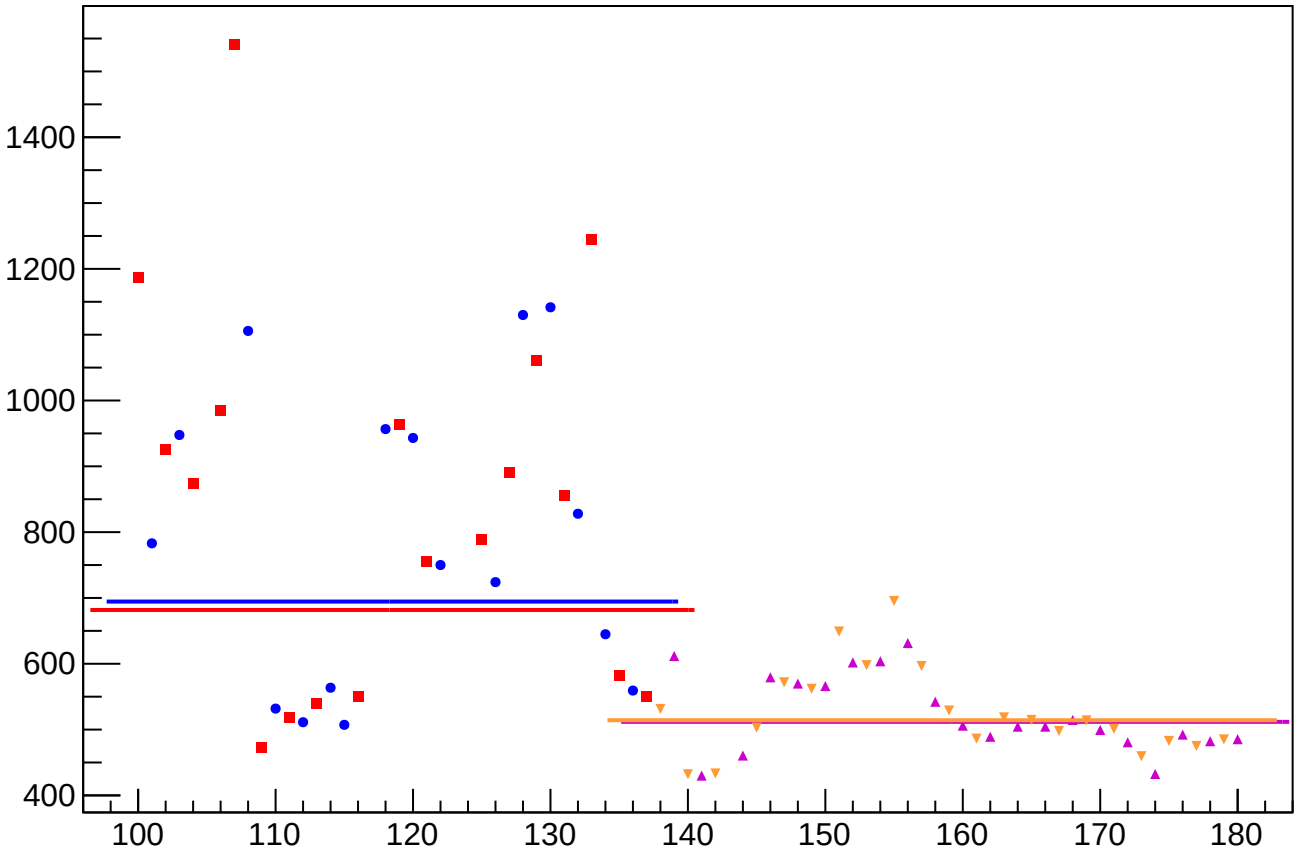
Left: -206.188+/-88.814 χ^2/NDF: 100.6/41

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

In: 47.271+/-112.761 χ^2/NDF:50.8/36

Out: -356.782+/-114.612 χ^2/NDF:86.4/38

All: -151.467+/-80.381 χ^2/NDF: 143.5/75



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

Left Out: 514.214+/-0.090 χ^2/NDF:424729.5/20

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

Left In: 511.734+/-0.088 χ^2/NDF:414757.0/20

Left: 512.945+/-0.063 χ^2/NDF: 839876.0/41

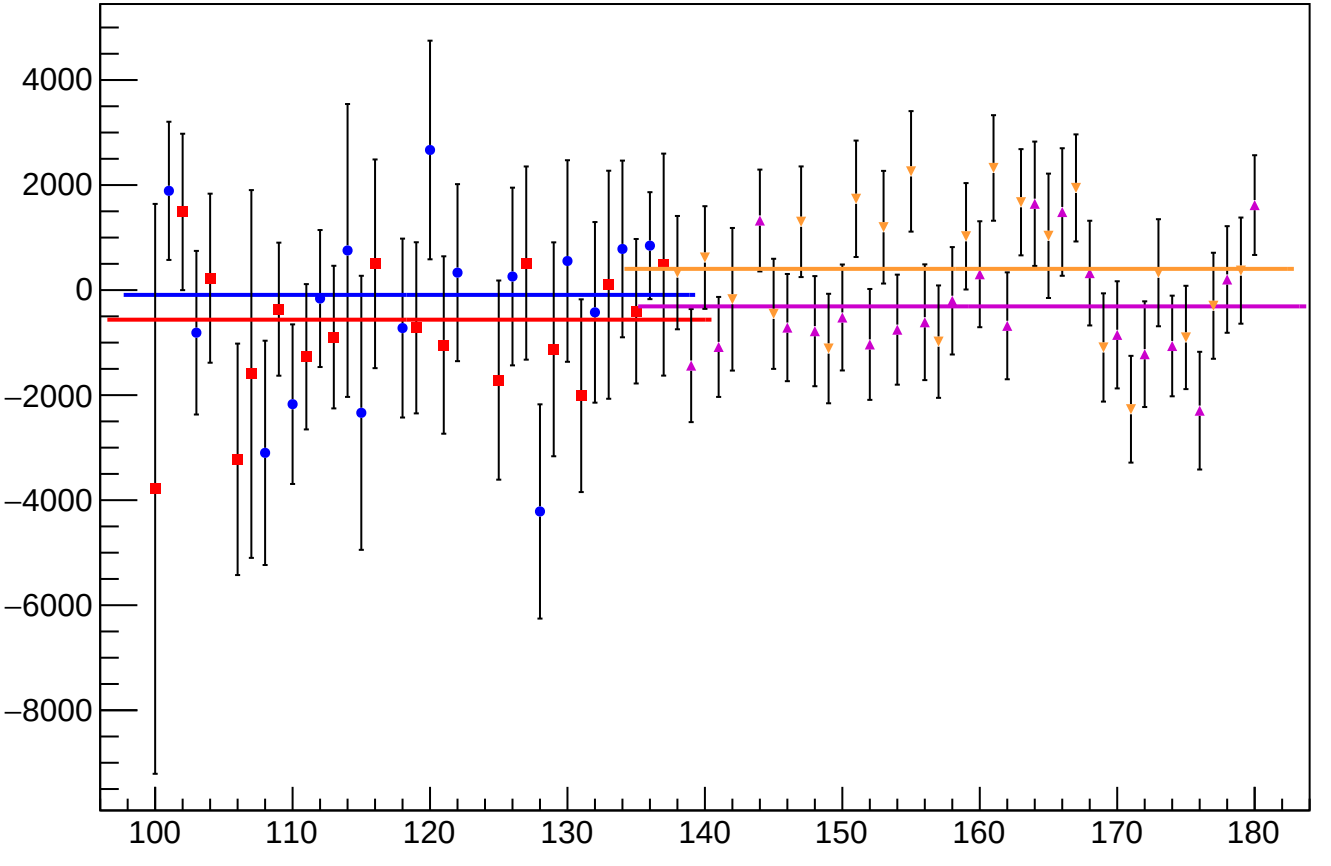
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 543.778+/-0.080 χ^2/NDF:2204423.3/36

Out: 545.486+/-0.081 χ^2/NDF:2384826.4/38

All: 544.618+/-0.057 χ^2/NDF: 4589475.4/75

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 404.179+/-229.553 χ^2/NDF:29.5/20

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

Left In: -310.097+/-225.135 χ^2/NDF:20.8/20

Left: 40.102+/-160.734 χ^2/NDF: 55.2/41

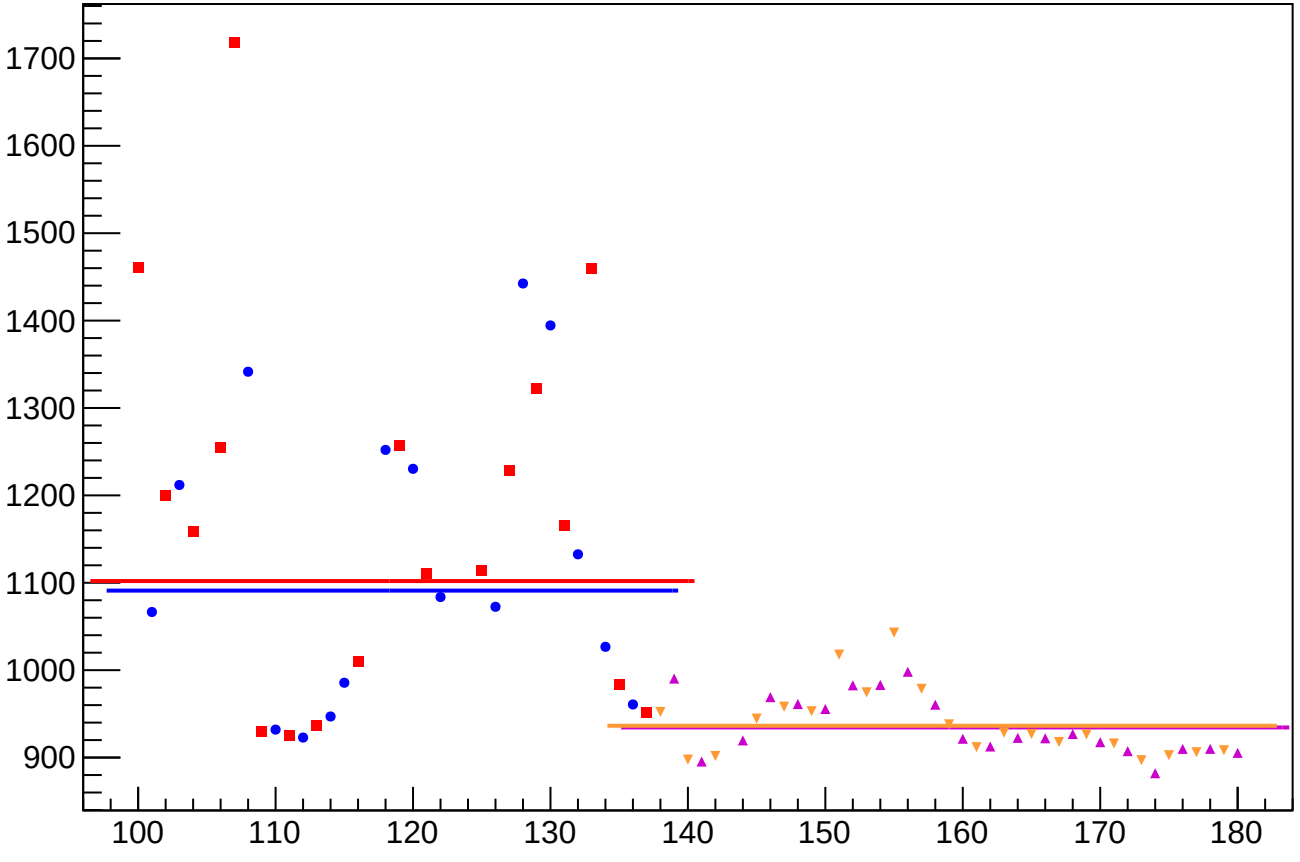
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -259.401+/-197.336 χ^2/NDF:35.5/36

Out: 174.621+/-200.478 χ^2/NDF:40.2/38

All: -45.818+/-140.635 χ^2/NDF: 78.1/75

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 936.381+/-0.162 χ^2/NDF:51819.5/20

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

Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

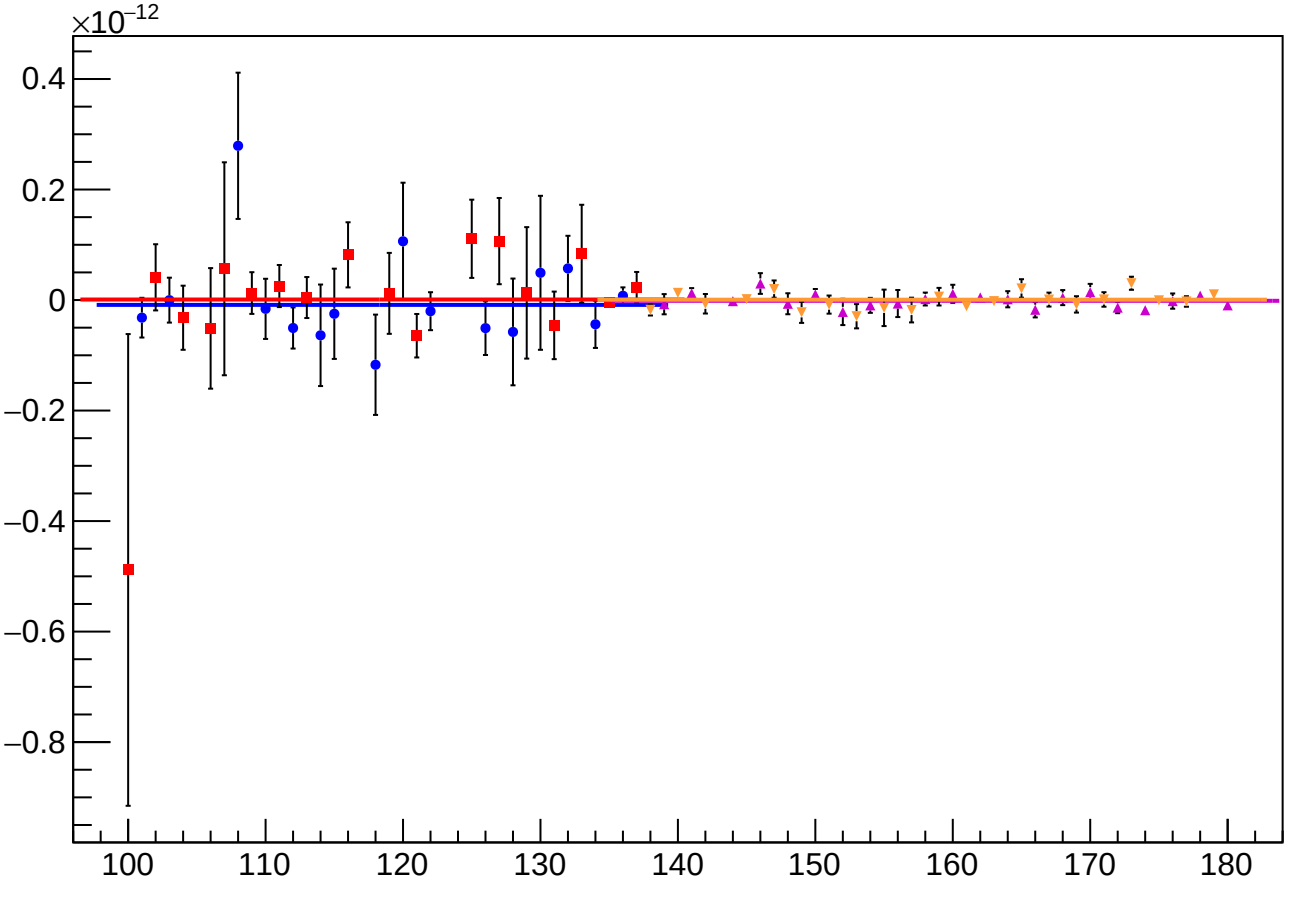
Left: 935.388+/-0.114 χ^2/NDF: 95808.2/41

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

In: 970.719+/-0.140 χ^2/NDF:545460.6/36

Out: 975.667+/-0.142 χ^2/NDF:626811.2/38

All: 973.154+/-0.099 χ^2/NDF: 1172890.6/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/20

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

Left In: -0.000+/-0.000 χ^2/NDF:19.7/20

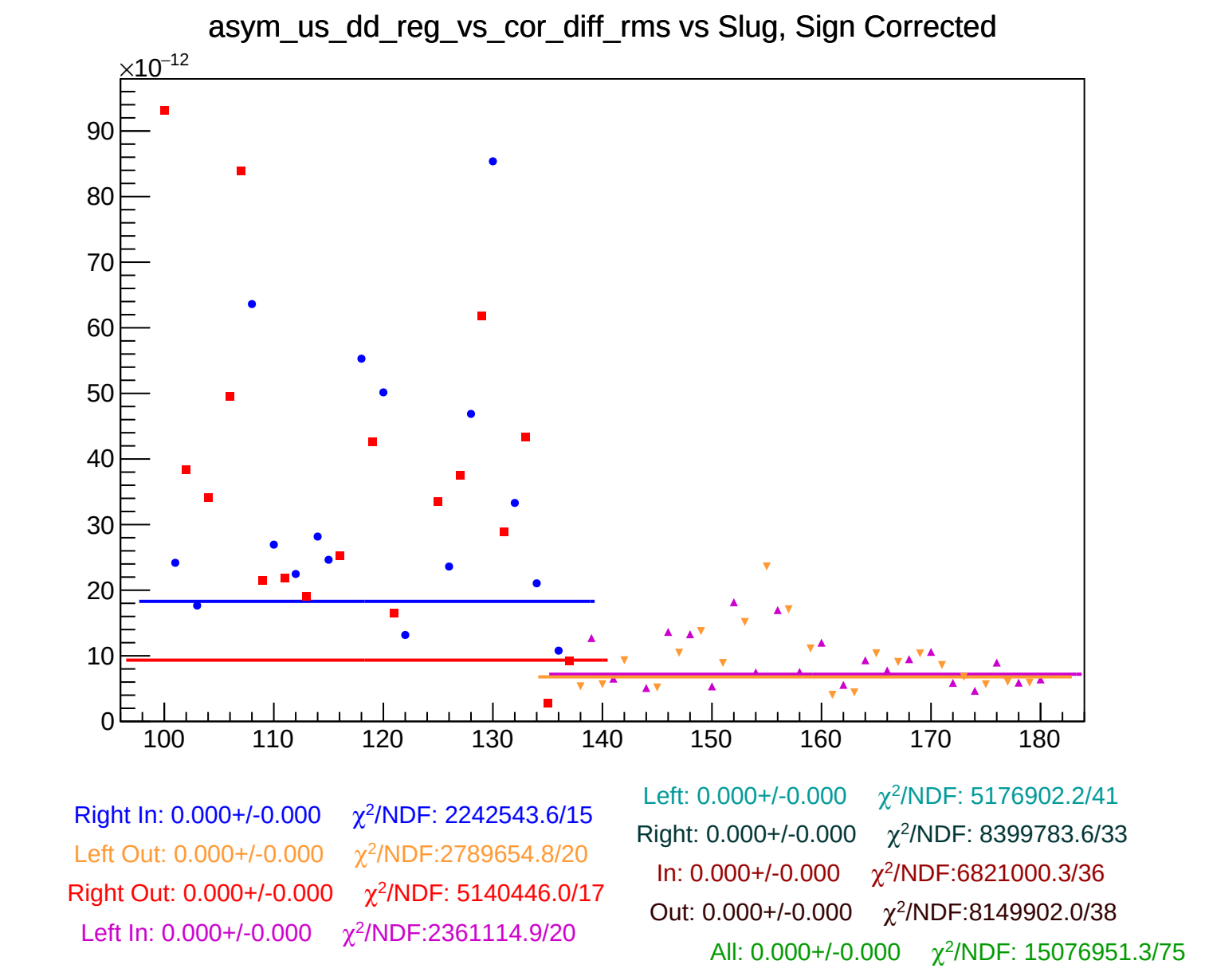
Left: -0.000+/-0.000 χ^2/NDF: 44.1/41

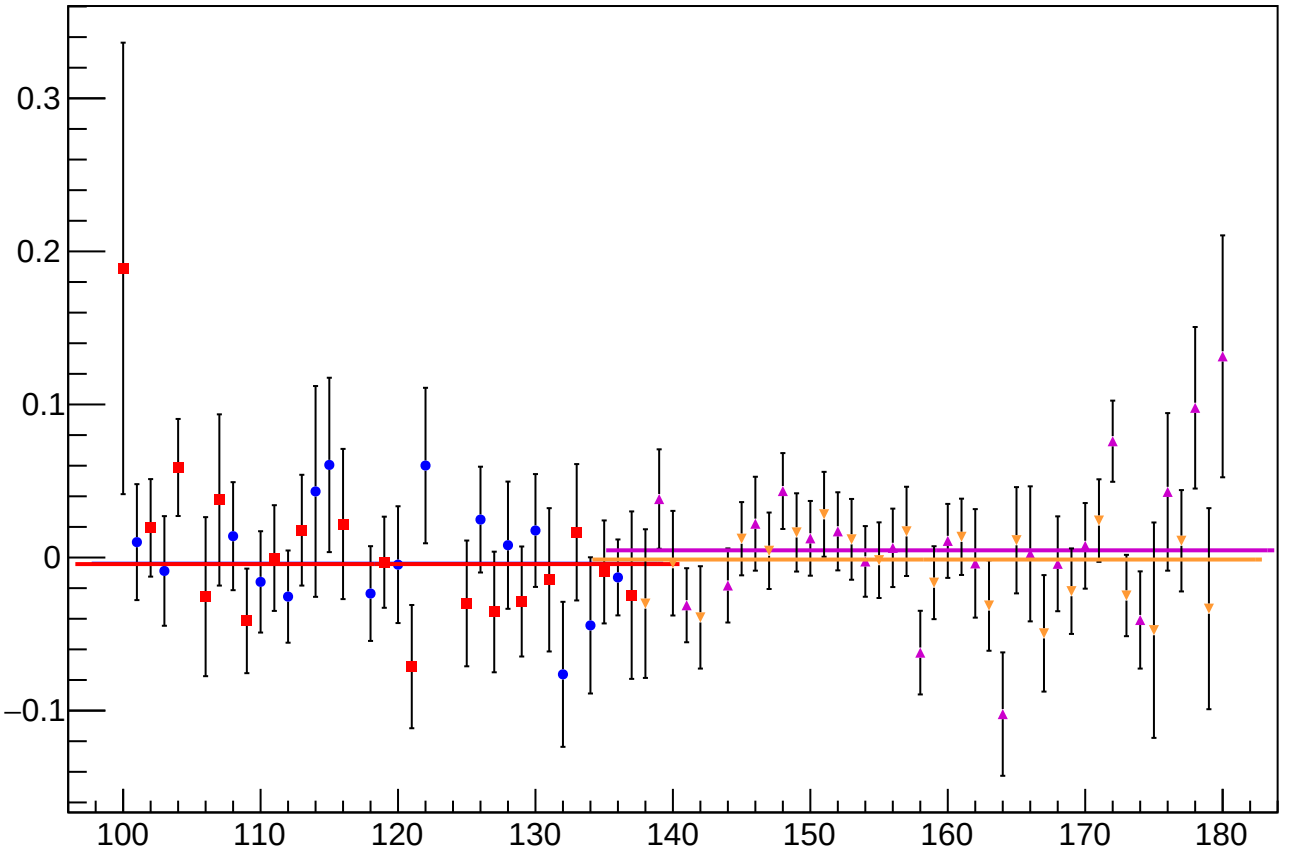
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:34.0/36

Out: 0.000+/-0.000 χ^2/NDF:38.4/38

All: -0.000+/-0.000 χ^2/NDF: 72.9/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2789654.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2361114.9/20
Left: 0.000+/-0.000 χ²/NDF: 5176902.2/41
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6821000.3/36
Out: 0.000+/-0.000 χ²/NDF:8149902.0/38
All: 0.000+/-0.000 χ²/NDF: 15076951.3/75



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

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

Left In: 0.005+/-0.006 χ^2/NDF:36.1/20

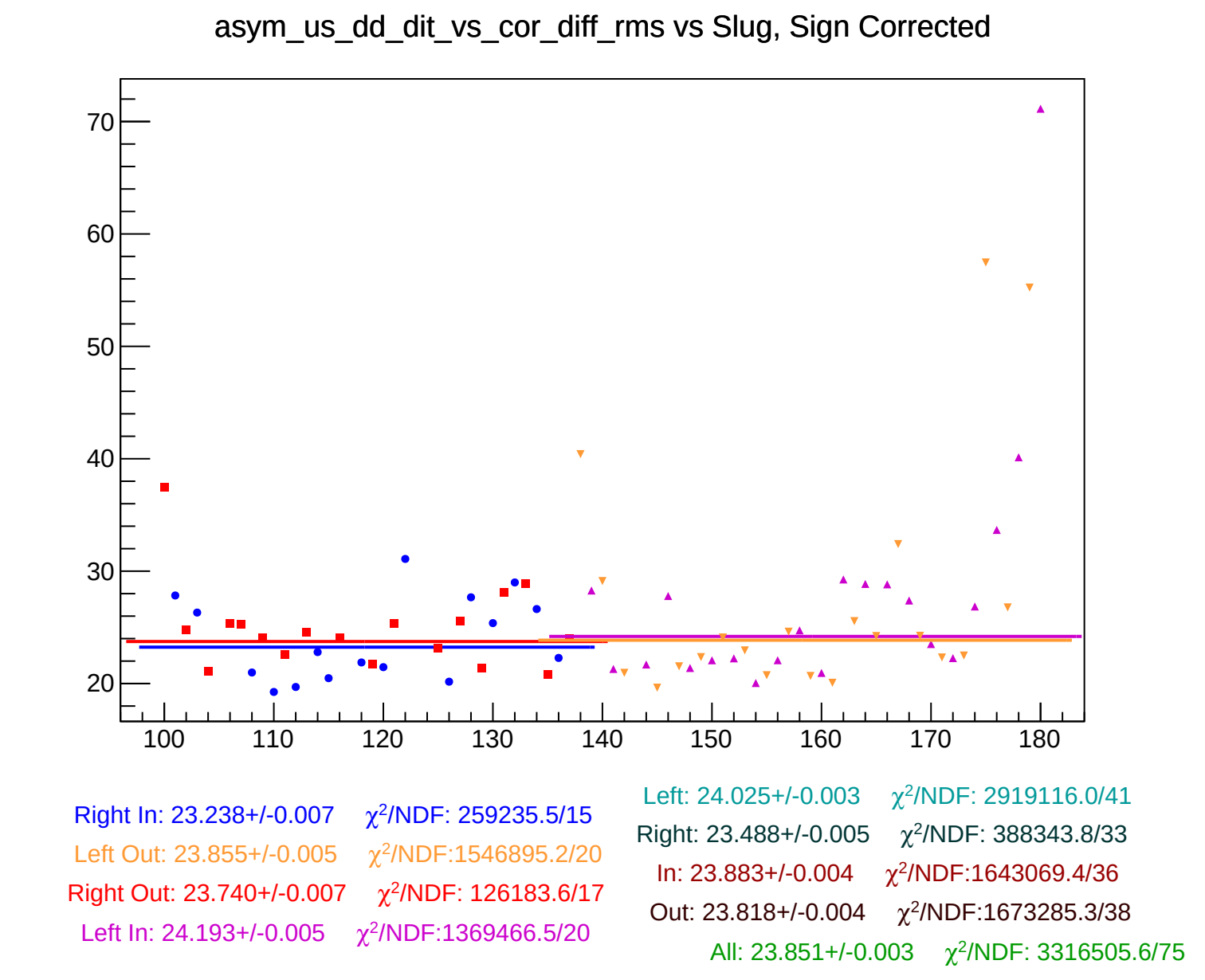
Left: 0.002+/-0.005 χ^2/NDF: 47.4/41

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

In: 0.002+/-0.005 χ^2/NDF:45.9/36

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 70.6/75


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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100
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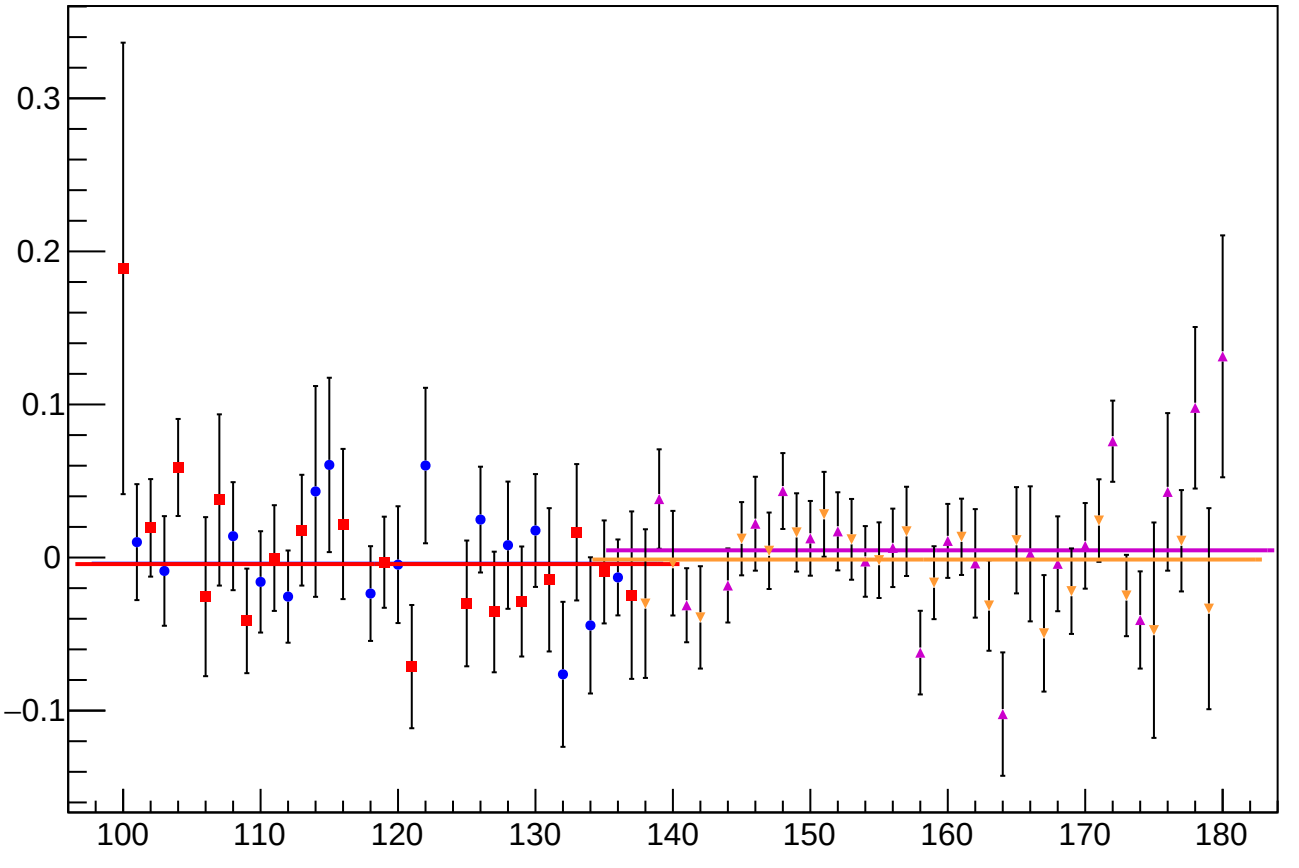
120
130
140
150
160
170
180
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.855+/-0.005 χ²/NDF:1546895.2/20
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 24.193+/-0.005 χ²/NDF:1369466.5/20
Left: 24.025+/-0.003 χ²/NDF: 2919116.0/41
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.883+/-0.004 χ²/NDF:1643069.4/36
Out: 23.818+/-0.004 χ²/NDF:1673285.3/38
All: 23.851+/-0.003 χ²/NDF: 3316505.6/75



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

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

Left In: 0.005+/-0.006 χ^2/NDF:36.1/20

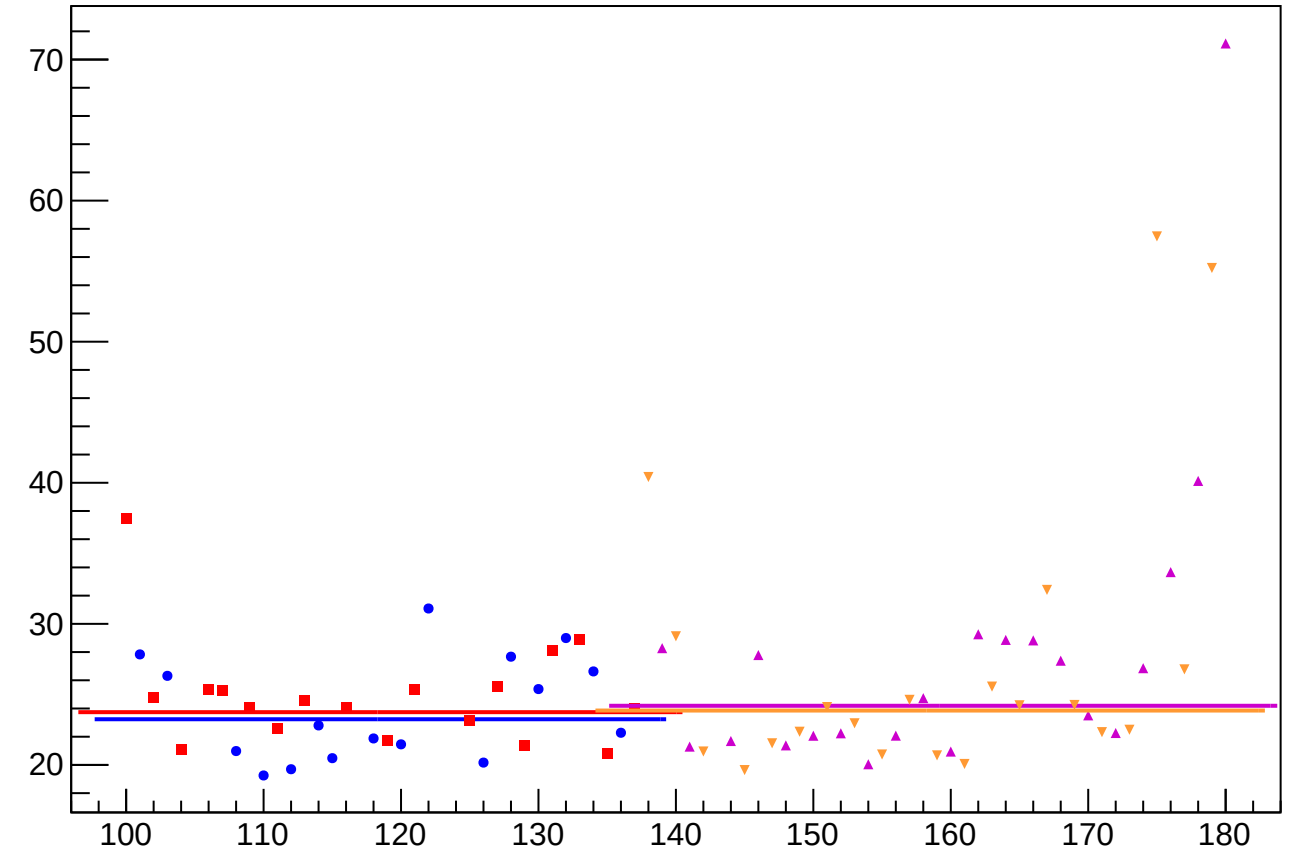
Left: 0.002+/-0.005 χ^2/NDF: 47.4/41

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

In: 0.002+/-0.005 χ^2/NDF:45.9/36

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 70.6/75



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546895.2/20

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

Left In: 24.193+/-0.005 χ^2/NDF:1369466.5/20

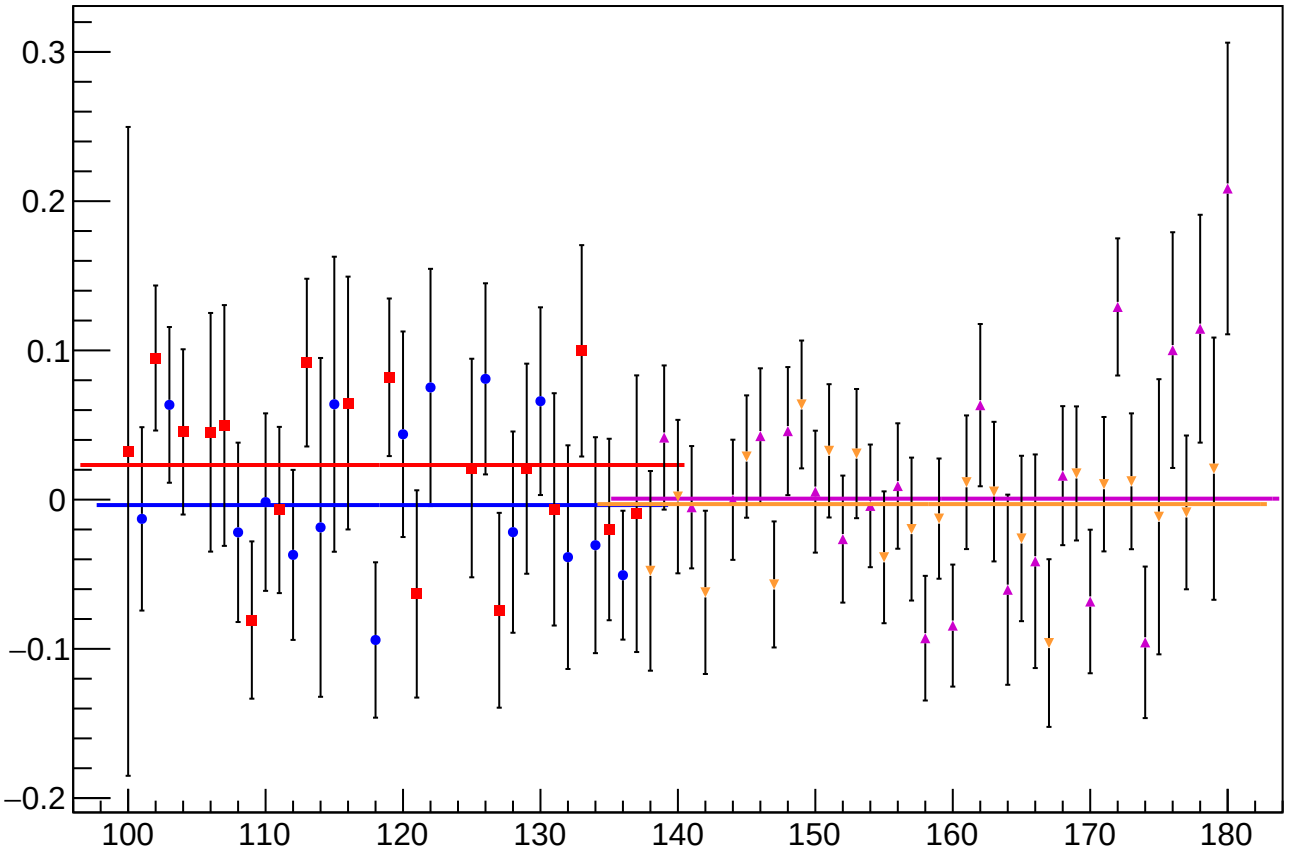
Left: 24.025+/-0.003 χ^2/NDF: 2919116.0/41

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

In: 23.883+/-0.004 χ^2/NDF:1643069.4/36

Out: 23.818+/-0.004 χ^2/NDF:1673285.3/38

All: 23.851+/-0.003 χ^2/NDF: 3316505.6/75



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

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

Left In: 0.001+/-0.010 χ^2/NDF:37.0/20

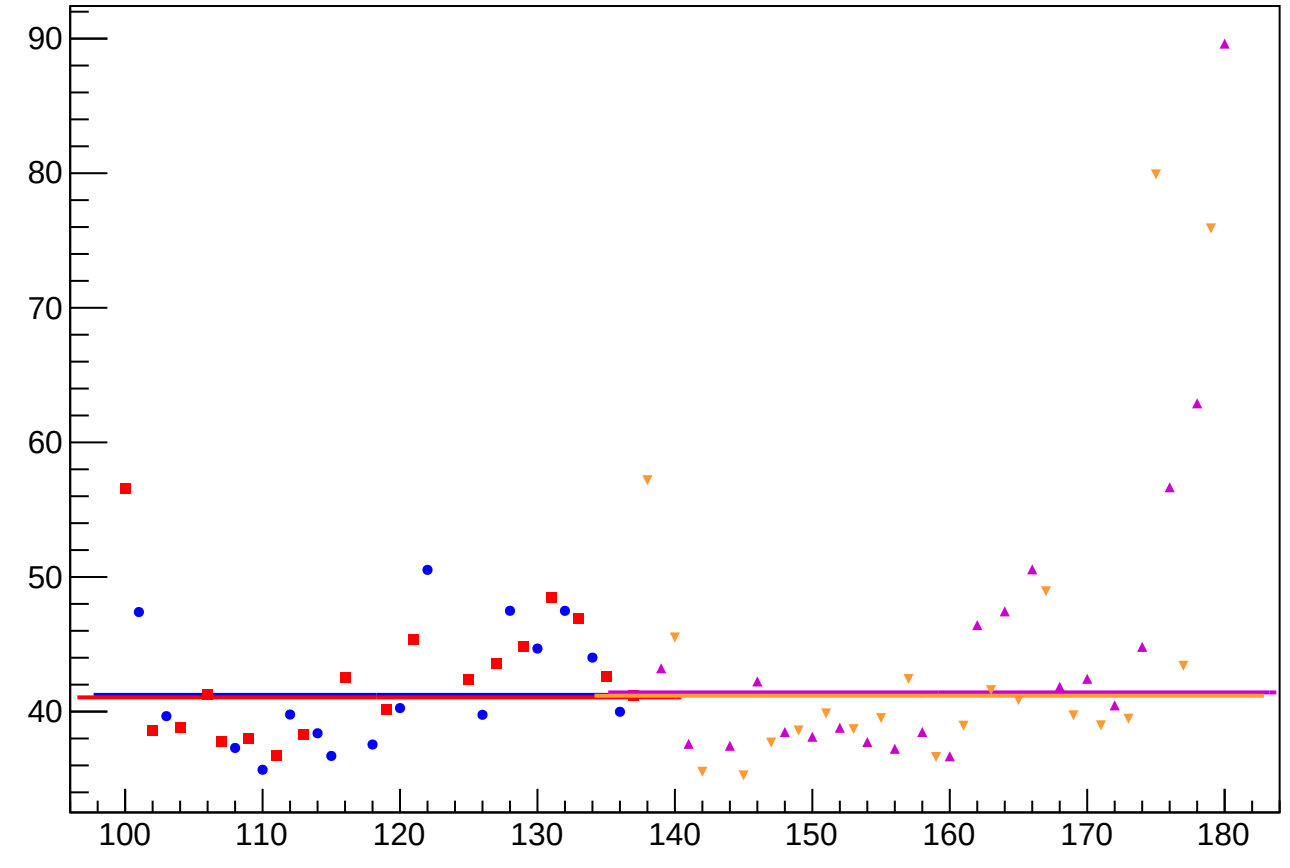
Left: -0.001+/-0.007 χ^2/NDF: 49.0/41

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:48.7/36

Out: 0.005+/-0.009 χ^2/NDF:29.3/38

All: 0.002+/-0.006 χ^2/NDF: 78.2/75



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

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

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

Left In: 41.423+/-0.007 χ^2/NDF:940678.6/20

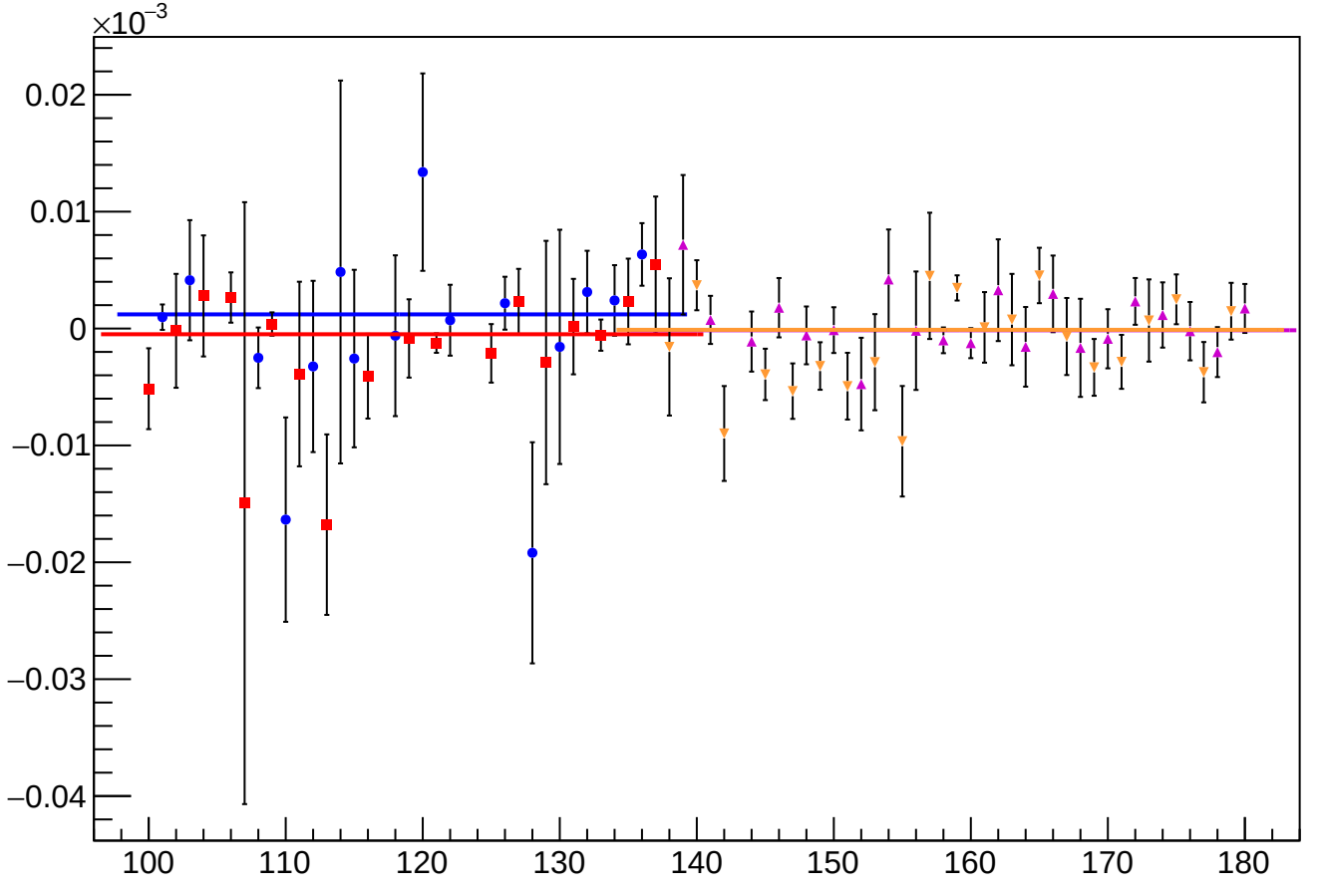
Left: 41.302+/-0.005 χ^2/NDF: 1913992.0/41

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

In: 41.368+/-0.006 χ^2/NDF:1076142.7/36

Out: 41.139+/-0.006 χ^2/NDF:1069421.8/38

All: 41.254+/-0.004 χ^2/NDF: 2146247.8/75



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/20

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

Left In: -0.000+/-0.000 χ^2/NDF:11.4/20

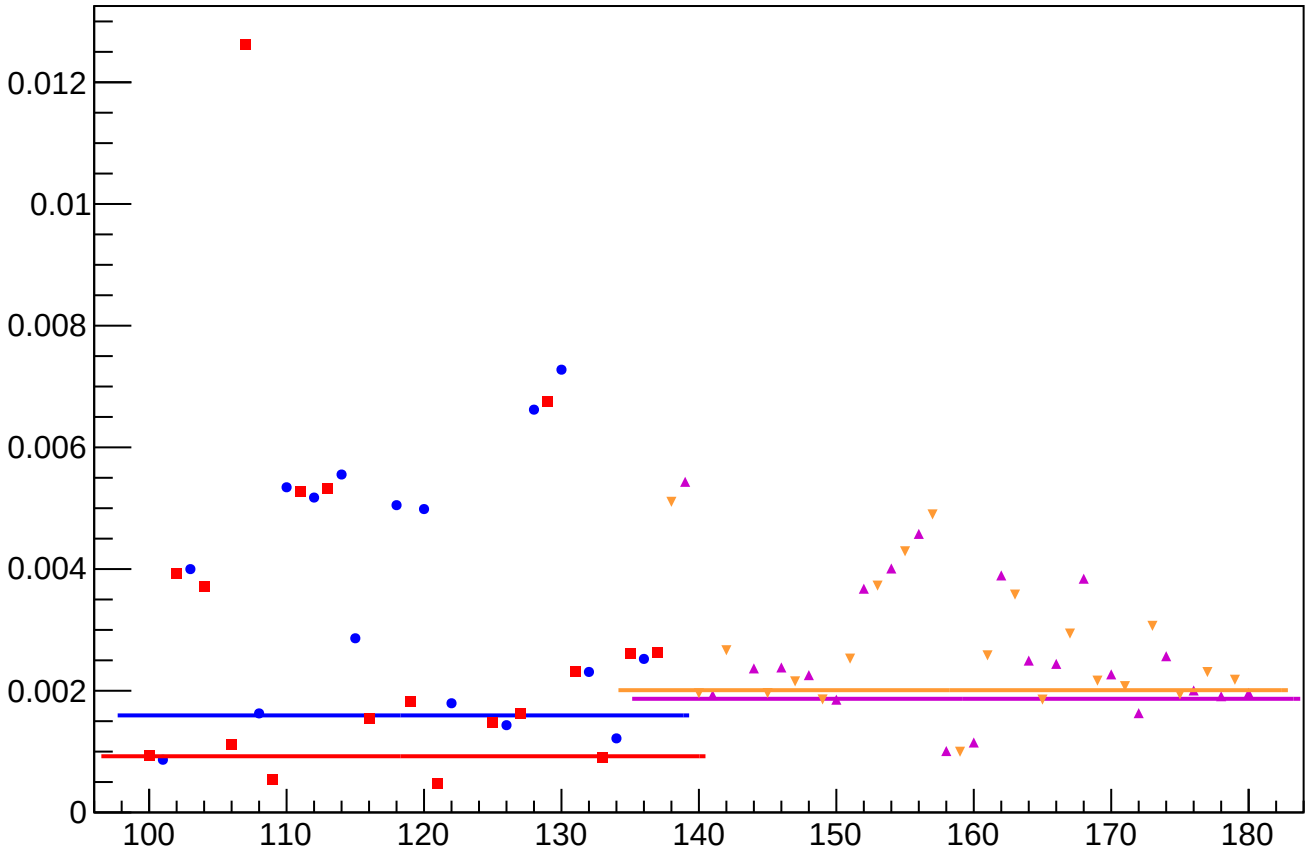
Left: -0.000+/-0.000 χ^2/NDF: 59.8/41

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:32.0/36

Out: -0.000+/-0.000 χ^2/NDF:63.7/38

All: -0.000+/-0.000 χ^2/NDF: 96.8/75



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

Left Out: 0.002+/-0.000 χ^2/NDF:4634246.4/20

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

Left In: 0.002+/-0.000 χ^2/NDF:5474951.8/20

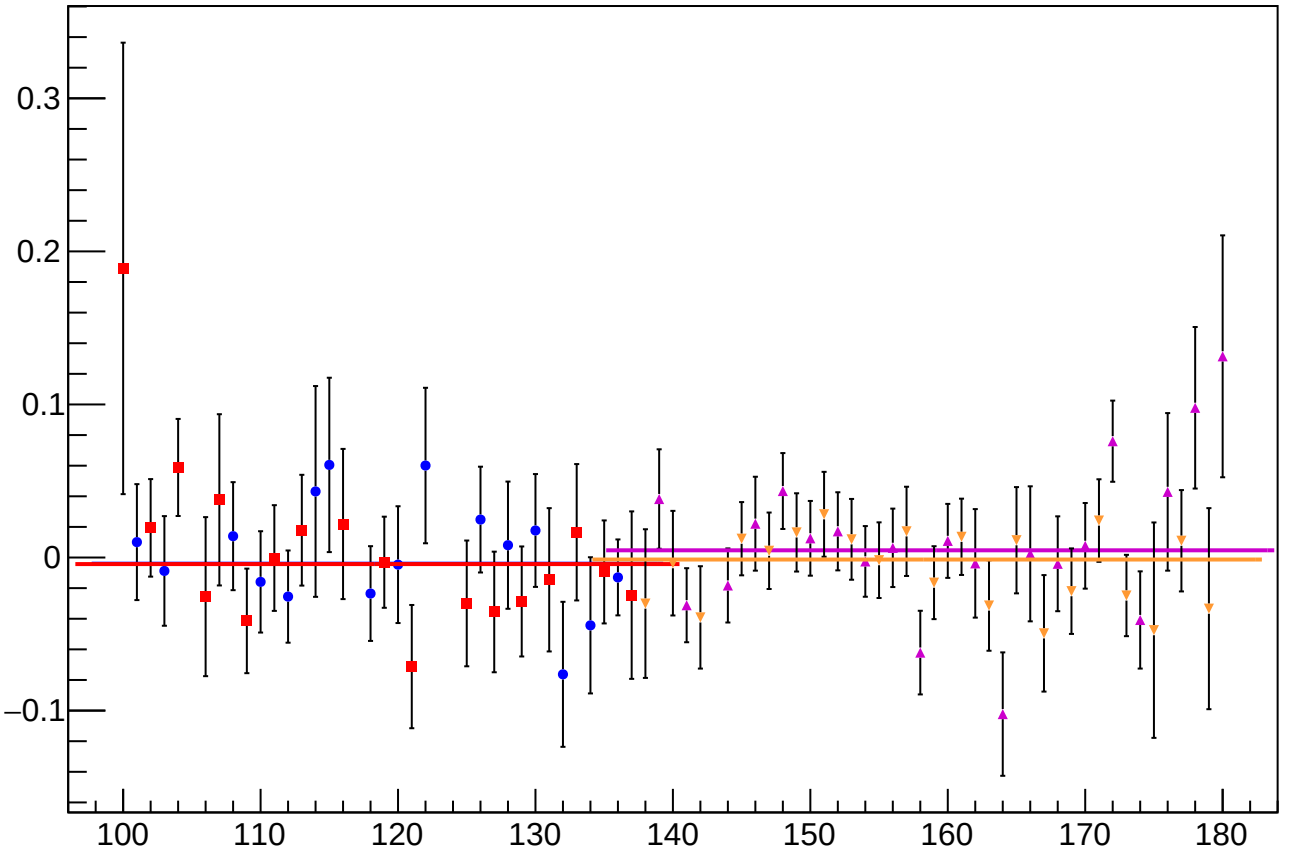
Left: 0.002+/-0.000 χ^2/NDF: 10184103.3/41

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

In: 0.002+/-0.000 χ^2/NDF:10420254.6/36

Out: 0.001+/-0.000 χ^2/NDF:14825548.8/38

All: 0.002+/-0.000 χ^2/NDF: 26086796.3/75



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

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

Left In: 0.005+/-0.006 χ^2/NDF:36.1/20

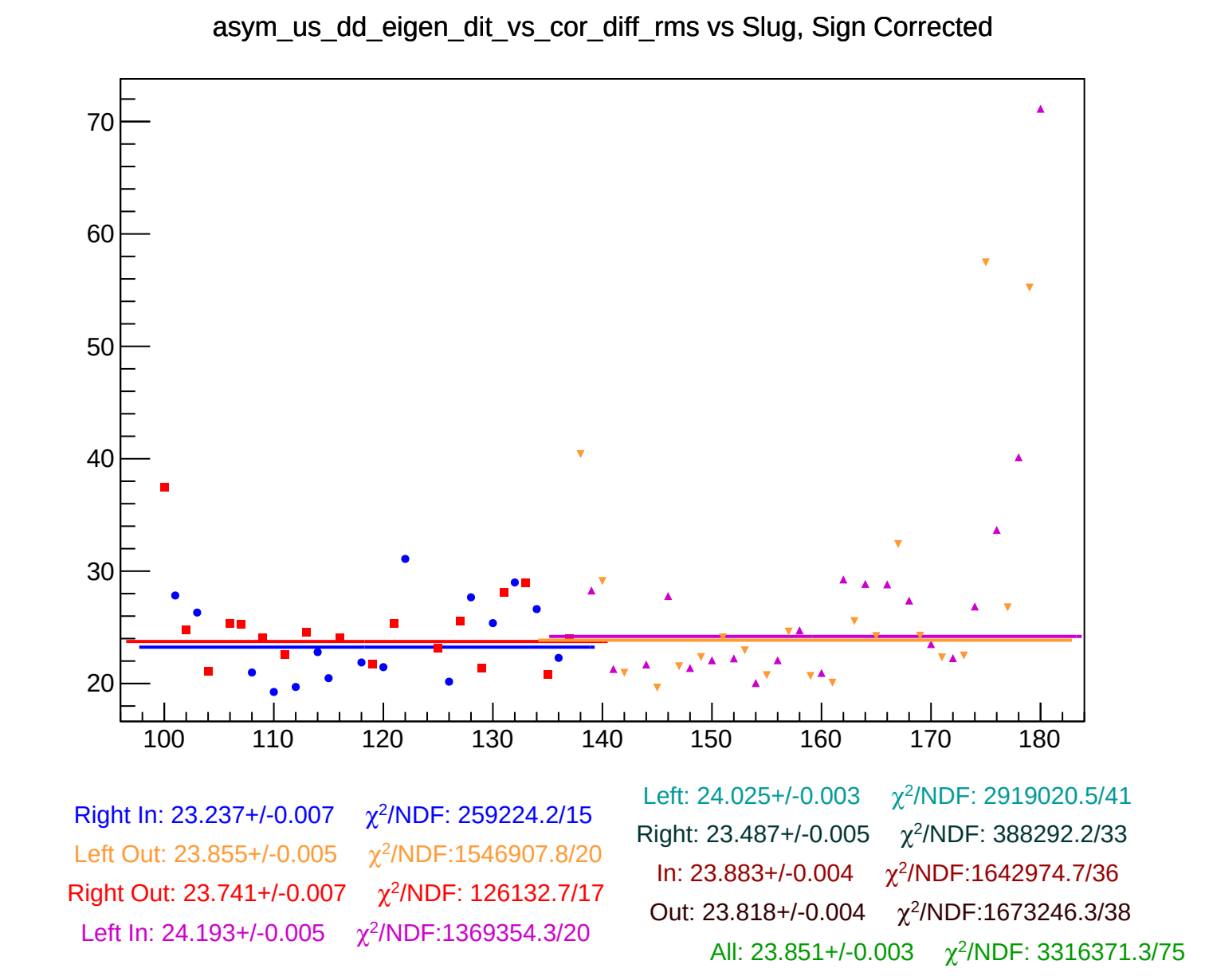
Left: 0.002+/-0.005 χ^2/NDF: 47.4/41

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

In: 0.002+/-0.005 χ^2/NDF:45.9/36

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 70.6/75


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
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120
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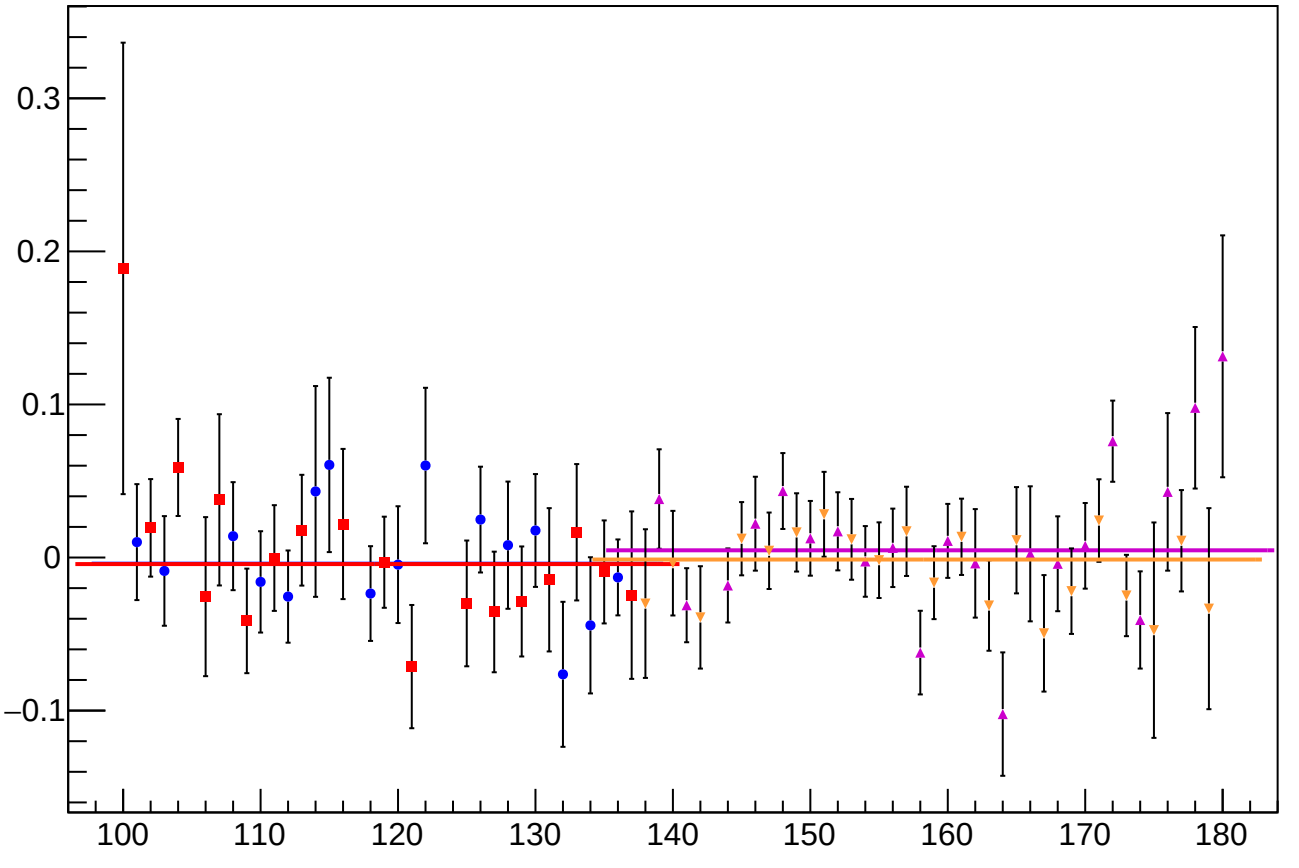
140
150
160
170
180
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.855+/-0.005 χ²/NDF:1546907.8/20
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 24.193+/-0.005 χ²/NDF:1369354.3/20
Left: 24.025+/-0.003 χ²/NDF: 2919020.5/41
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.883+/-0.004 χ²/NDF:1642974.7/36
Out: 23.818+/-0.004 χ²/NDF:1673246.3/38
All: 23.851+/-0.003 χ²/NDF: 3316371.3/75



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

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

Left In: 0.005+/-0.006 χ^2/NDF:36.1/20

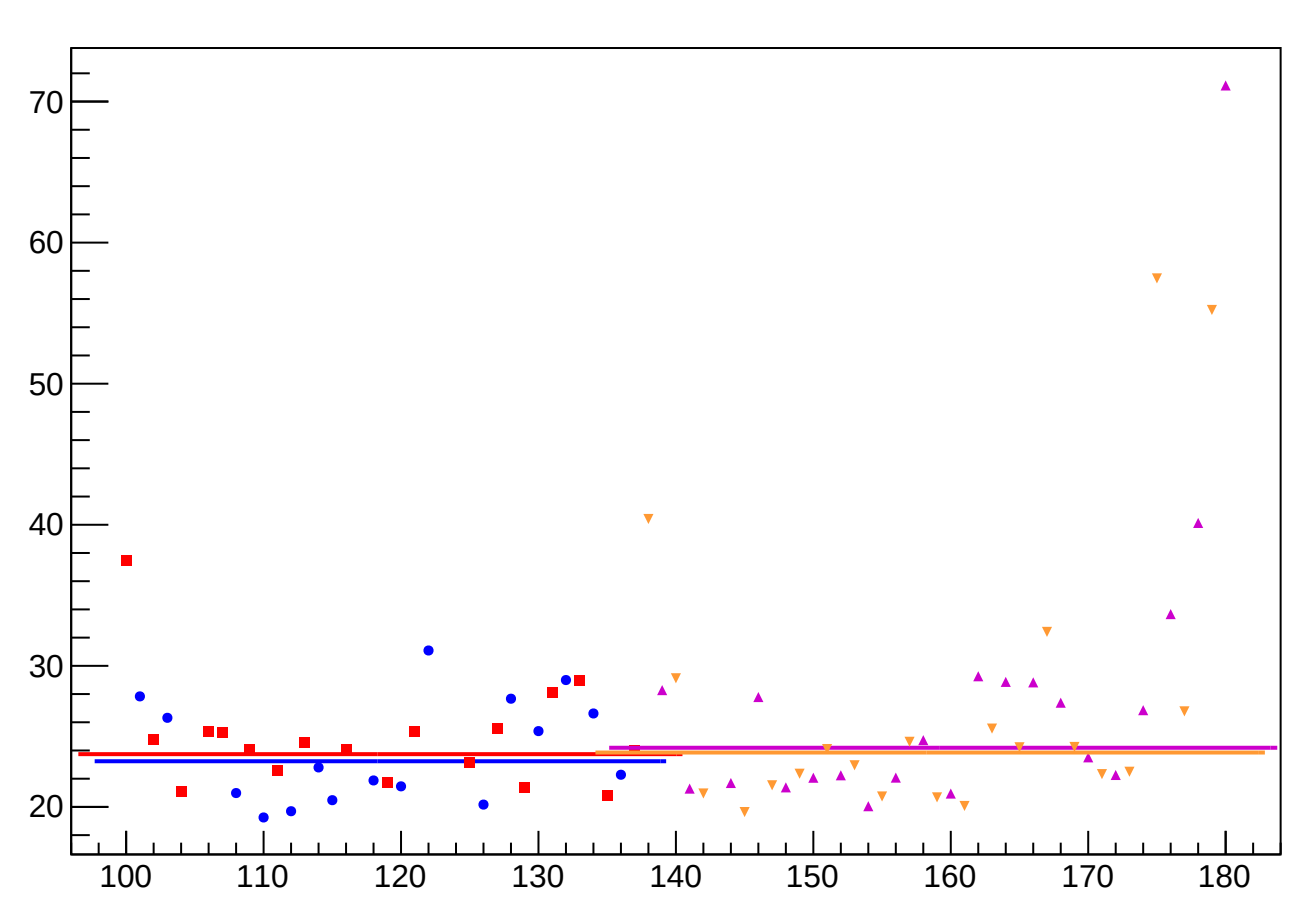
Left: 0.002+/-0.005 χ^2/NDF: 47.4/41

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

In: 0.002+/-0.005 χ^2/NDF:45.9/36

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 70.6/75



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

Left Out: 23.855+/-0.005 χ^2/NDF:1546907.8/20

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

Left In: 24.193+/-0.005 χ^2/NDF:1369354.3/20

Left: 24.025+/-0.003 χ^2/NDF: 2919020.5/41

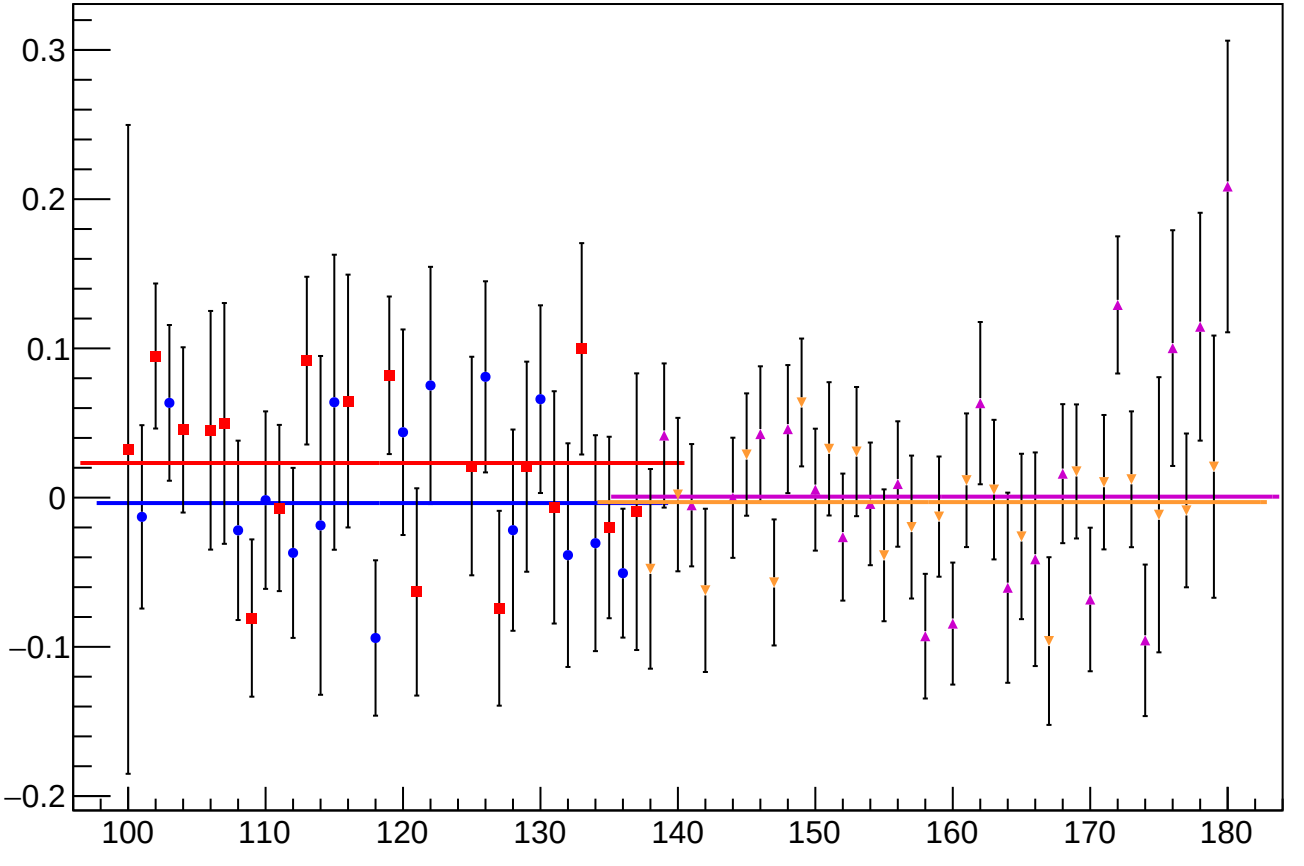
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.883+/-0.004 χ^2/NDF:1642974.7/36

Out: 23.818+/-0.004 χ^2/NDF:1673246.3/38

All: 23.851+/-0.003 χ^2/NDF: 3316371.3/75

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

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

Left In: 0.001+/-0.010 χ^2/NDF:37.0/20

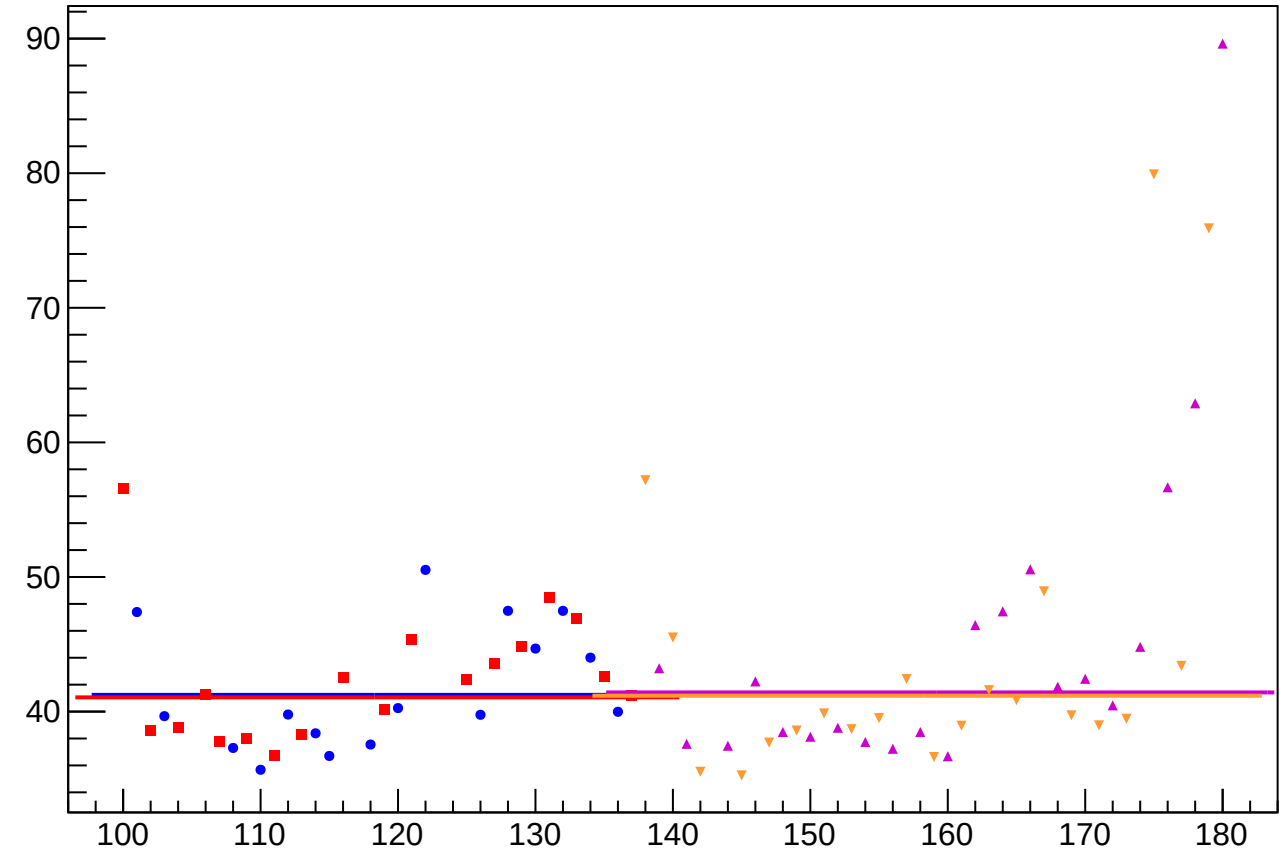
Left: -0.001+/-0.007 χ^2/NDF: 49.0/41

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.001+/-0.009 χ^2/NDF:48.7/36

Out: 0.005+/-0.009 χ^2/NDF:29.3/38

All: 0.002+/-0.006 χ^2/NDF: 78.2/75



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

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

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

Left In: 41.424+/-0.007 χ^2/NDF:940663.8/20

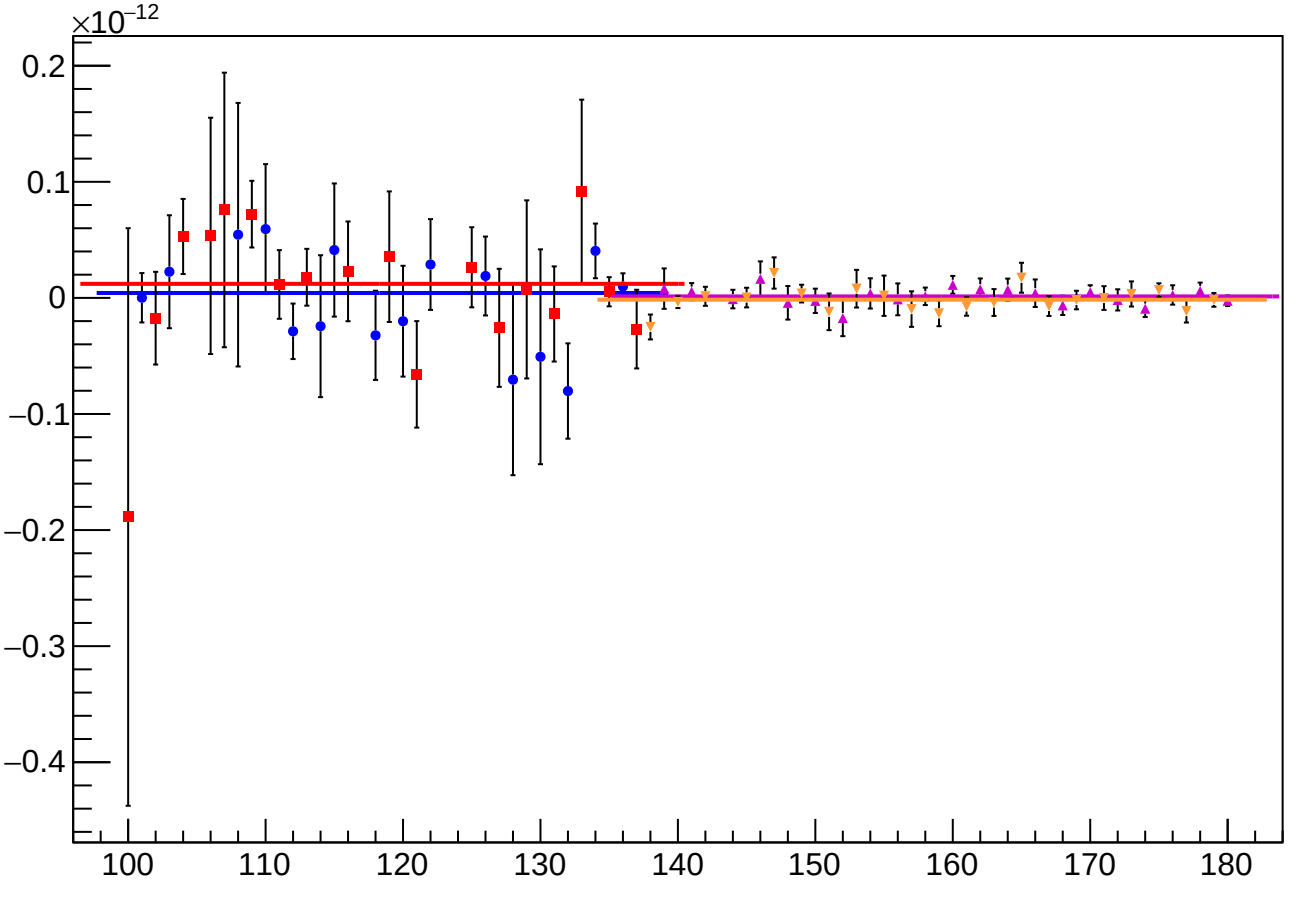
Left: 41.302+/-0.005 χ^2/NDF: 1913977.6/41

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

In: 41.368+/-0.006 χ^2/NDF:1076106.5/36

Out: 41.139+/-0.006 χ^2/NDF:1069410.7/38

All: 41.254+/-0.004 χ^2/NDF: 2146200.5/75



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/20

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

Left In: 0.000+/-0.000 χ^2/NDF:10.4/20

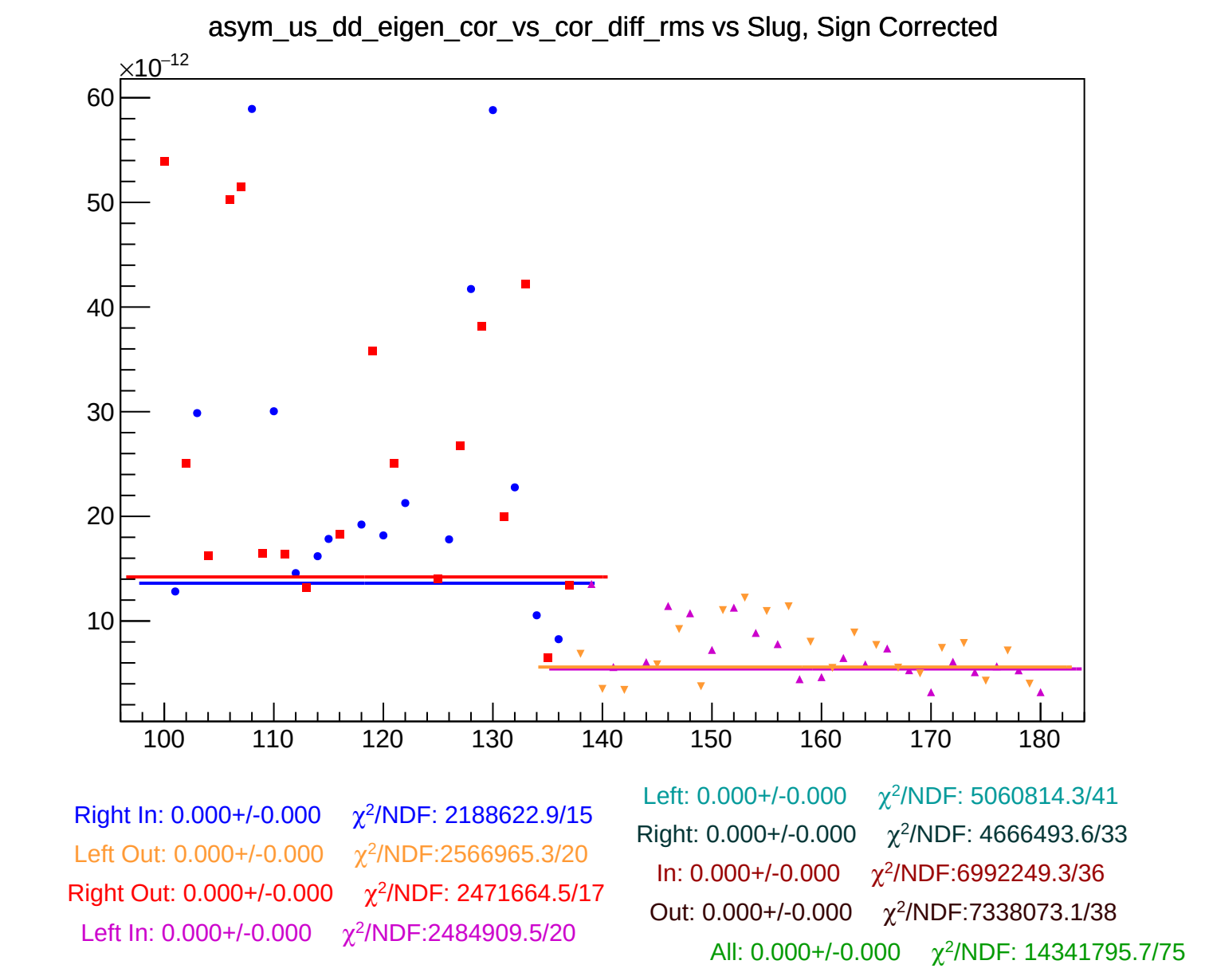
Left: -0.000+/-0.000 χ^2/NDF: 28.6/41

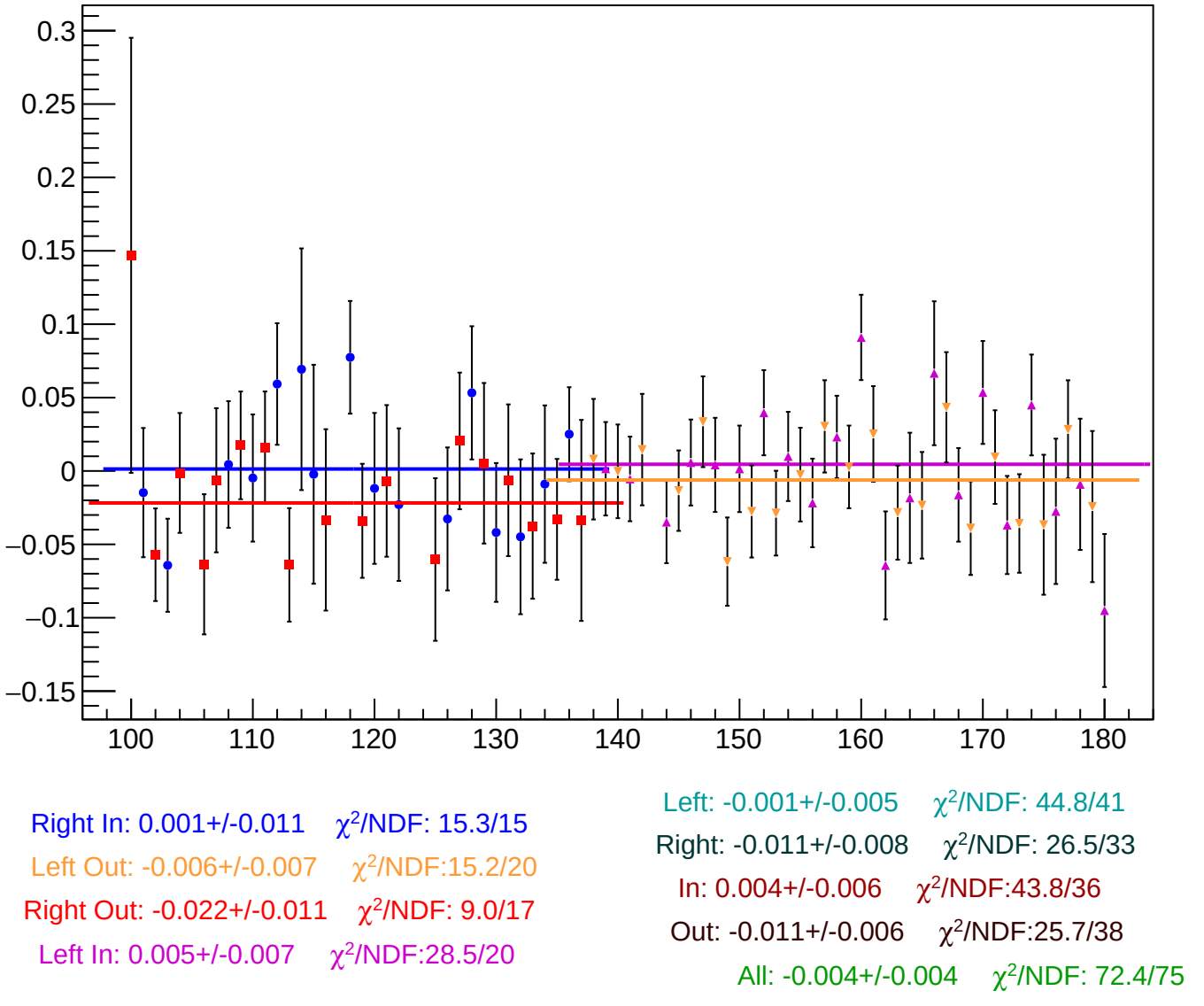
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:24.2/36

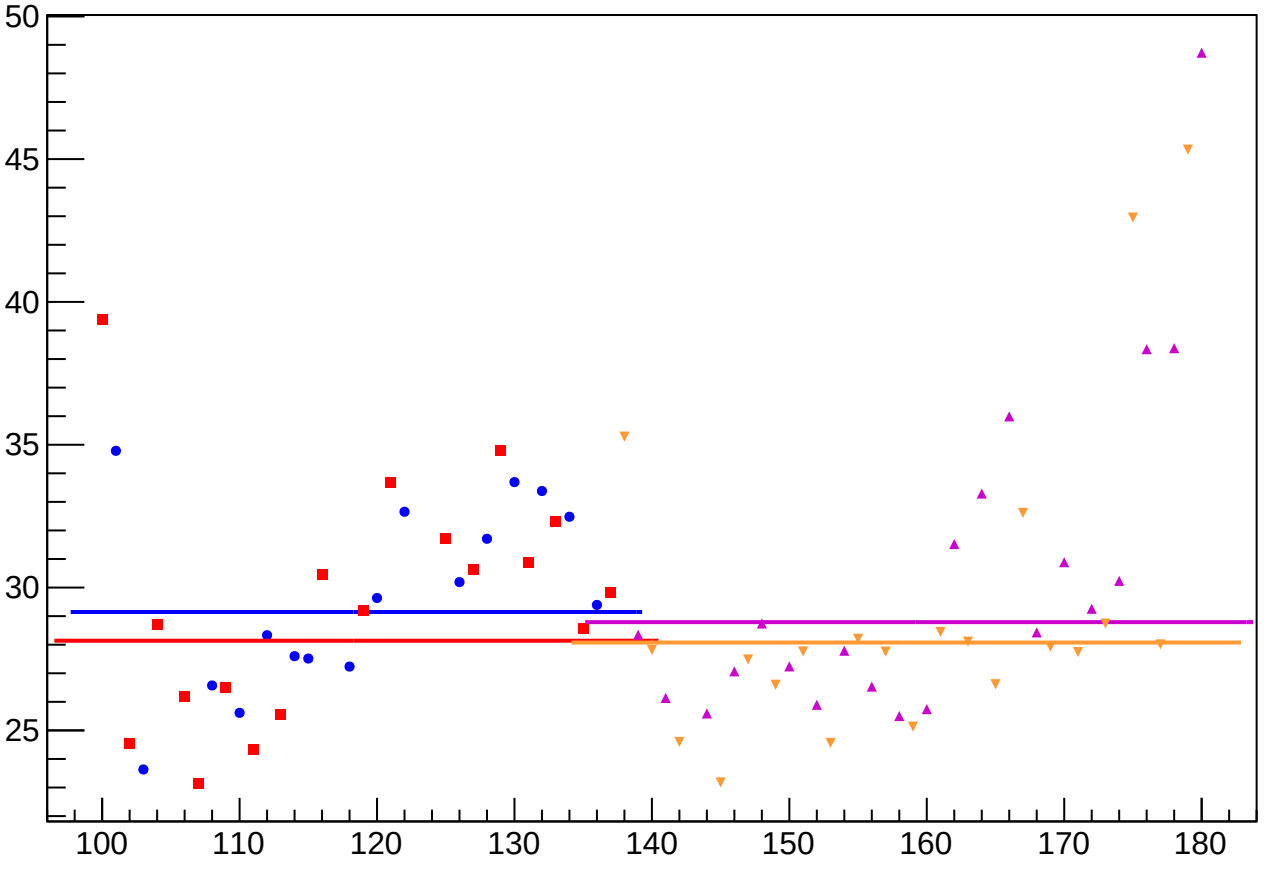
Out: -0.000+/-0.000 χ^2/NDF:34.5/38

All: 0.000+/-0.000 χ^2/NDF: 59.4/75


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2566965.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:2484909.5/20
Left: 0.000+/-0.000 χ²/NDF: 5060814.3/41
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6992249.3/36
Out: 0.000+/-0.000 χ²/NDF:7338073.1/38
All: 0.000+/-0.000 χ²/NDF: 14341795.7/75


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
−0.15
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.006+/-0.007 χ²/NDF:15.2/20
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.005+/-0.007 χ²/NDF:28.5/20
Left: -0.001+/-0.005 χ²/NDF: 44.8/41
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.006 χ²/NDF:43.8/36
Out: -0.011+/-0.006 χ²/NDF:25.7/38
All: -0.004+/-0.004 χ²/NDF: 72.4/75

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: 28.076+/-0.005 χ^2/NDF:652734.9/20

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

Left In: 28.790+/-0.005 χ^2/NDF:683414.4/20

Left: 28.432+/-0.004 χ^2/NDF: 1345898.8/41

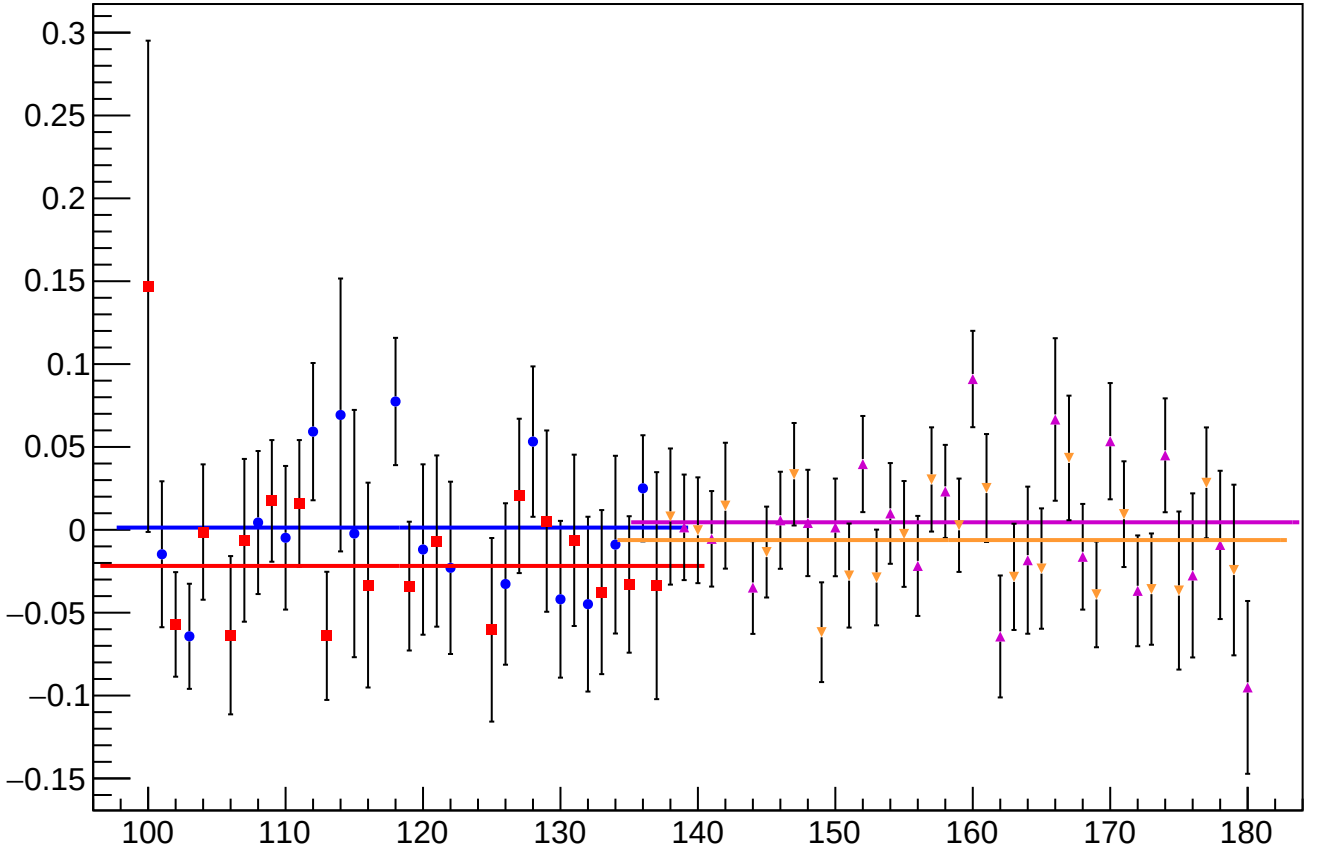
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.895+/-0.004 χ^2/NDF:861720.2/36

Out: 28.096+/-0.004 χ^2/NDF:839887.3/38

All: 28.490+/-0.003 χ^2/NDF: 1719092.6/75

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/20

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

Left In: 0.005+/-0.007 χ^2/NDF:28.5/20

Left: -0.001+/-0.005 χ^2/NDF: 44.8/41

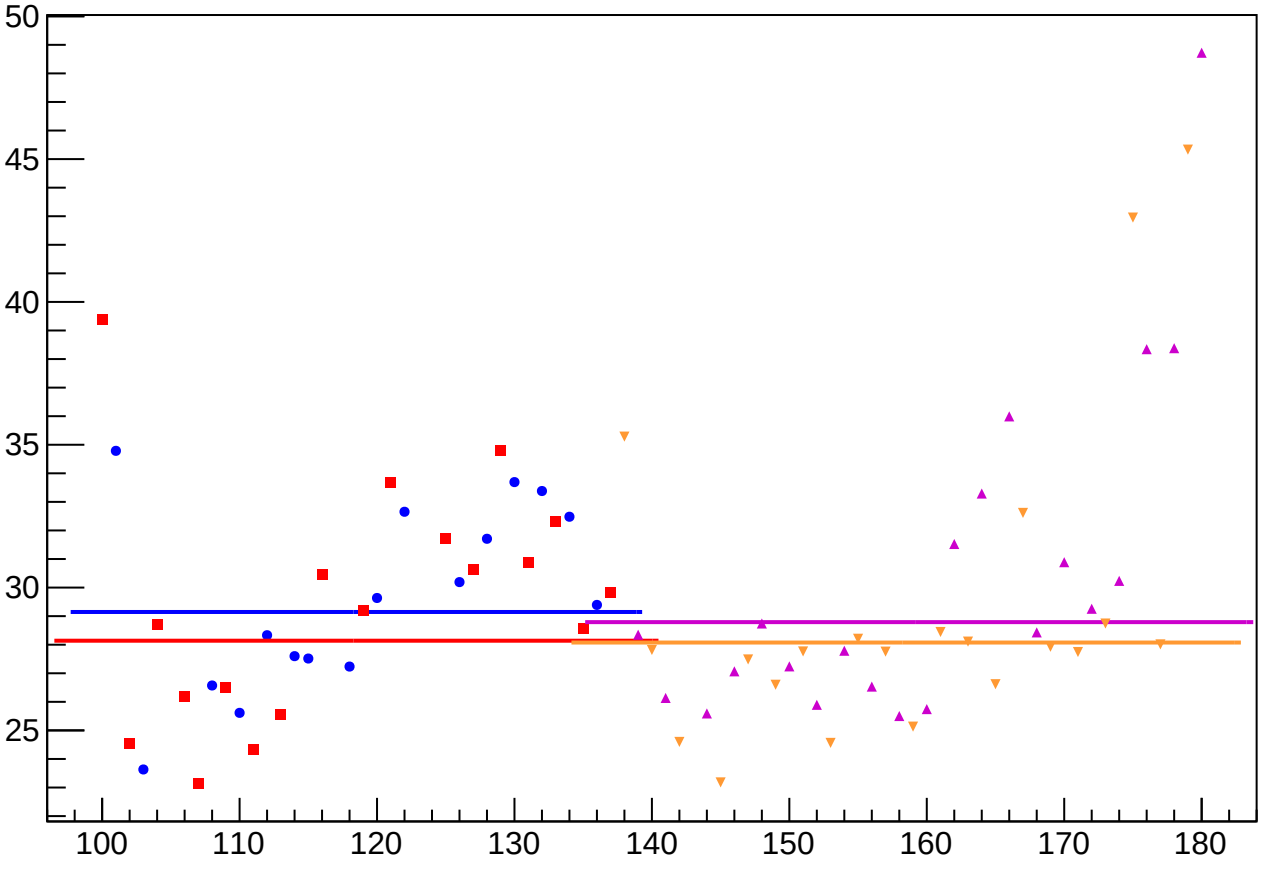
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.006 χ^2/NDF:43.8/36

Out: -0.011+/-0.006 χ^2/NDF:25.7/38

All: -0.004+/-0.004 χ^2/NDF: 72.4/75

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: 28.076+/-0.005 χ^2/NDF:652734.9/20

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

Left In: 28.790+/-0.005 χ^2/NDF:683414.4/20

Left: 28.432+/-0.004 χ^2/NDF: 1345898.8/41

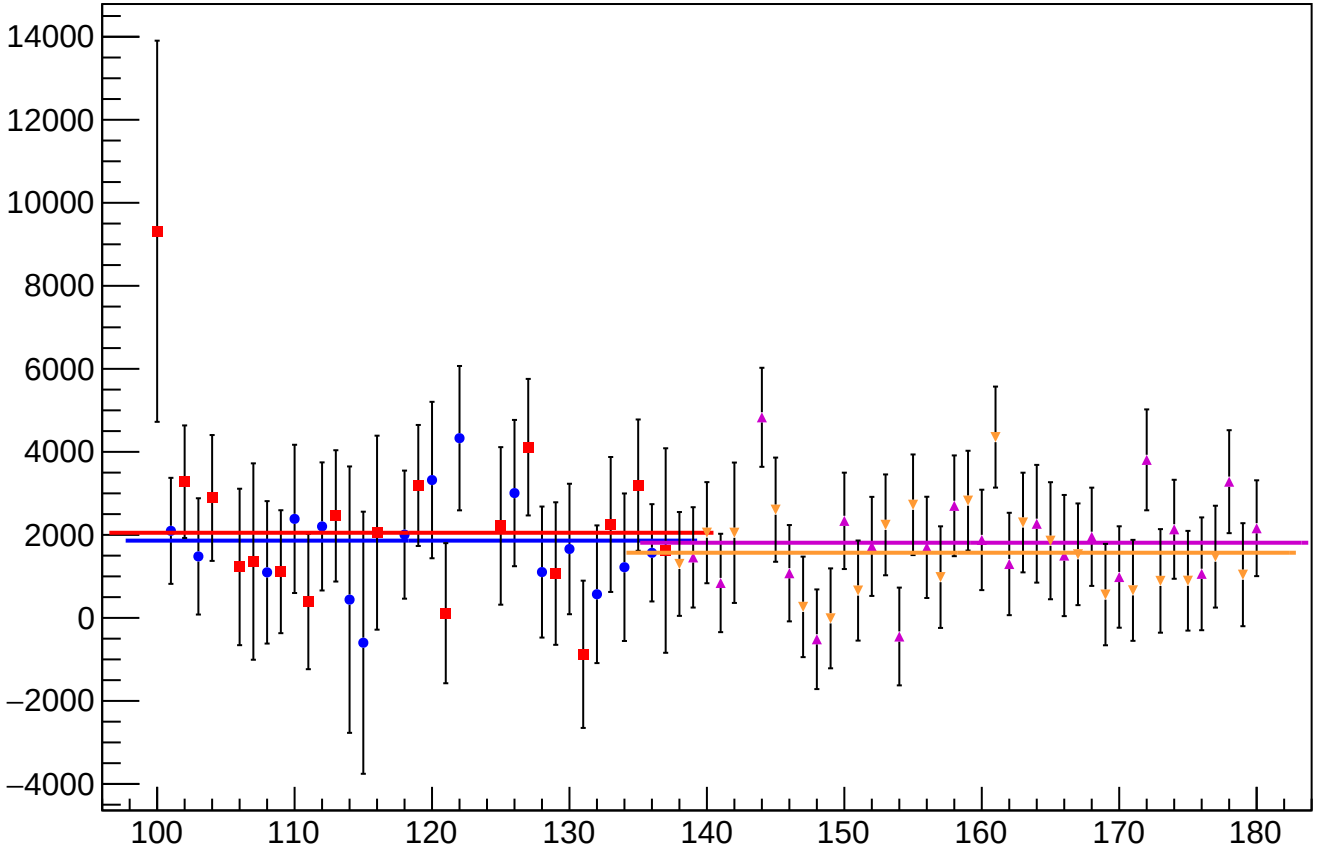
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.895+/-0.004 χ^2/NDF:861720.2/36

Out: 28.096+/-0.004 χ^2/NDF:839887.3/38

All: 28.490+/-0.003 χ^2/NDF: 1719092.6/75

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

Left In: 1810.675+/-266.627 χ^2/NDF:21.1/20

Left: 1692.177+/-190.081 χ^2/NDF: 36.2/41

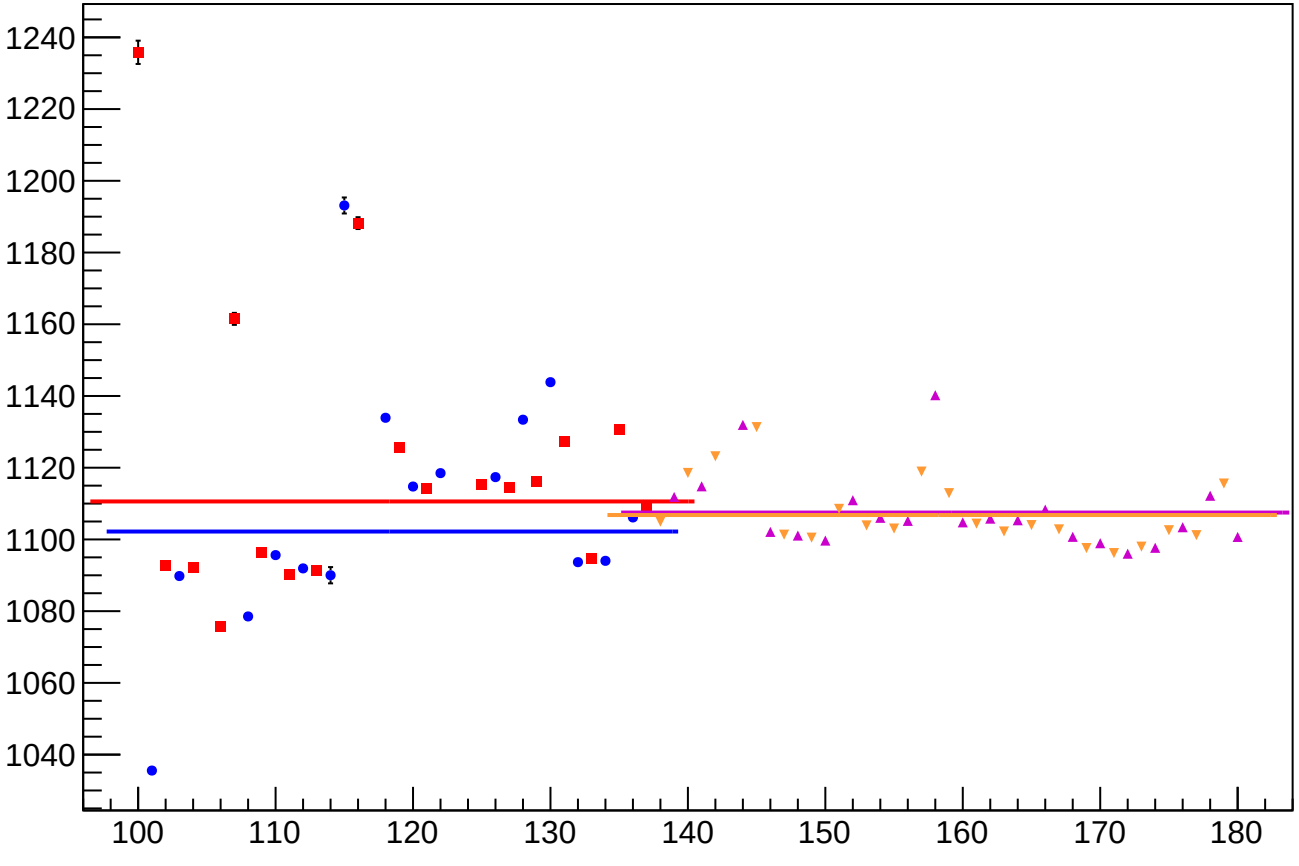
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1825.813+/-223.443 χ^2/NDF:26.5/36

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1771.732+/-158.889 χ^2/NDF: 54.7/75

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

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

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

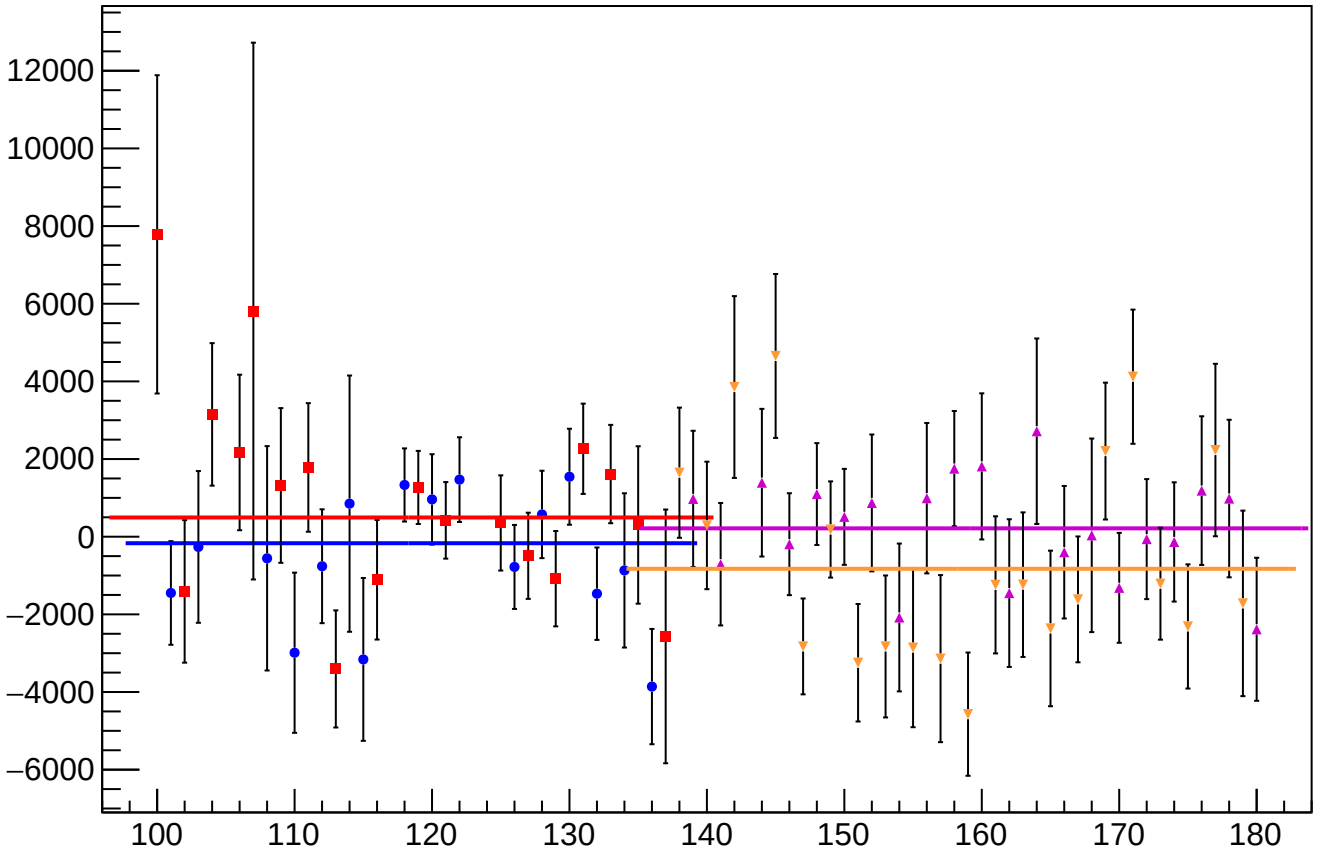
Left: 1107.156+/-0.134 χ^2/NDF: 5350.3/41

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

In: 1105.921+/-0.158 χ^2/NDF:14809.5/36

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75



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

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

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

Left In: 215.055+/-364.420 χ^2/NDF:10.7/20

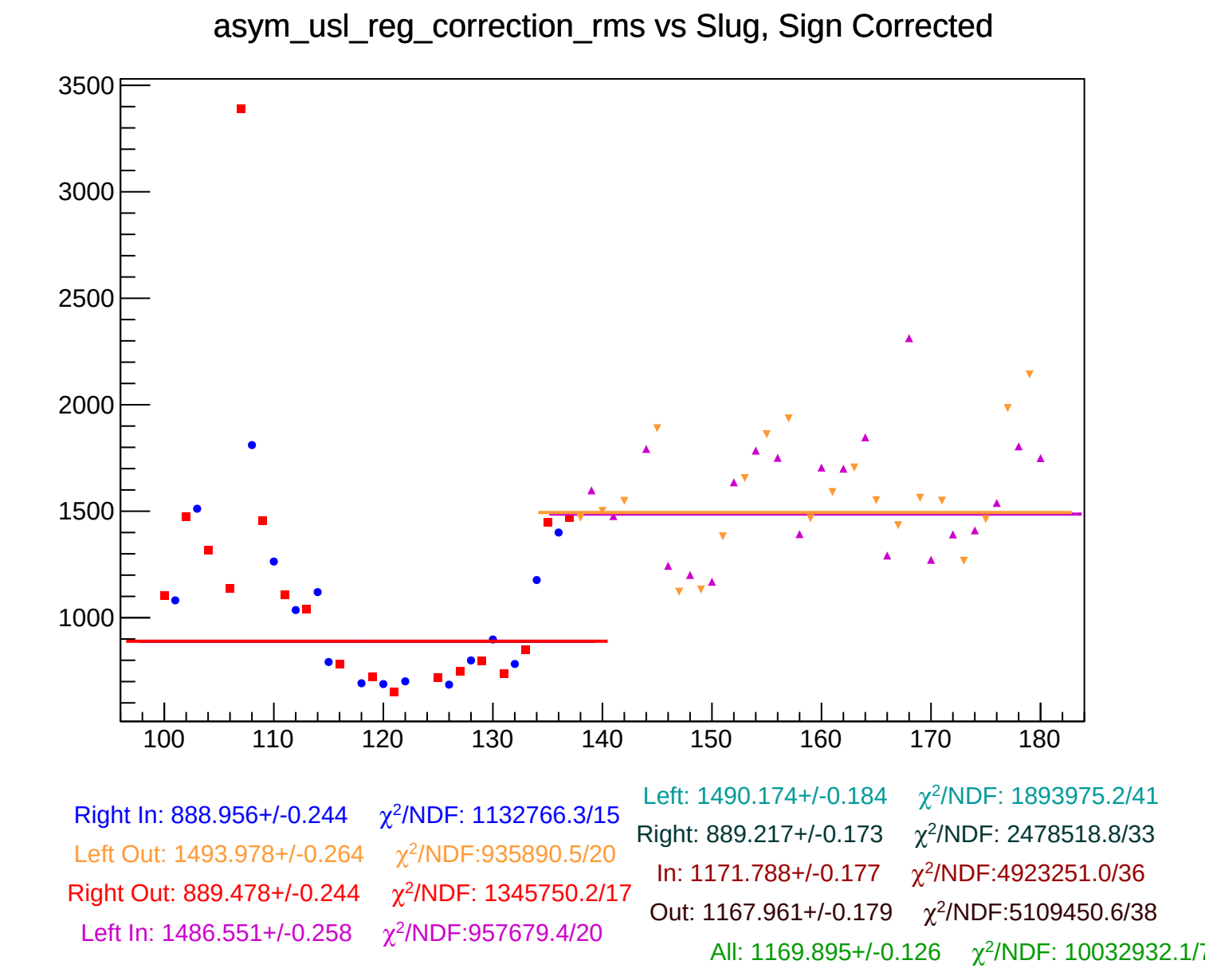
Left: -292.984+/-260.781 χ^2/NDF: 57.9/41

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

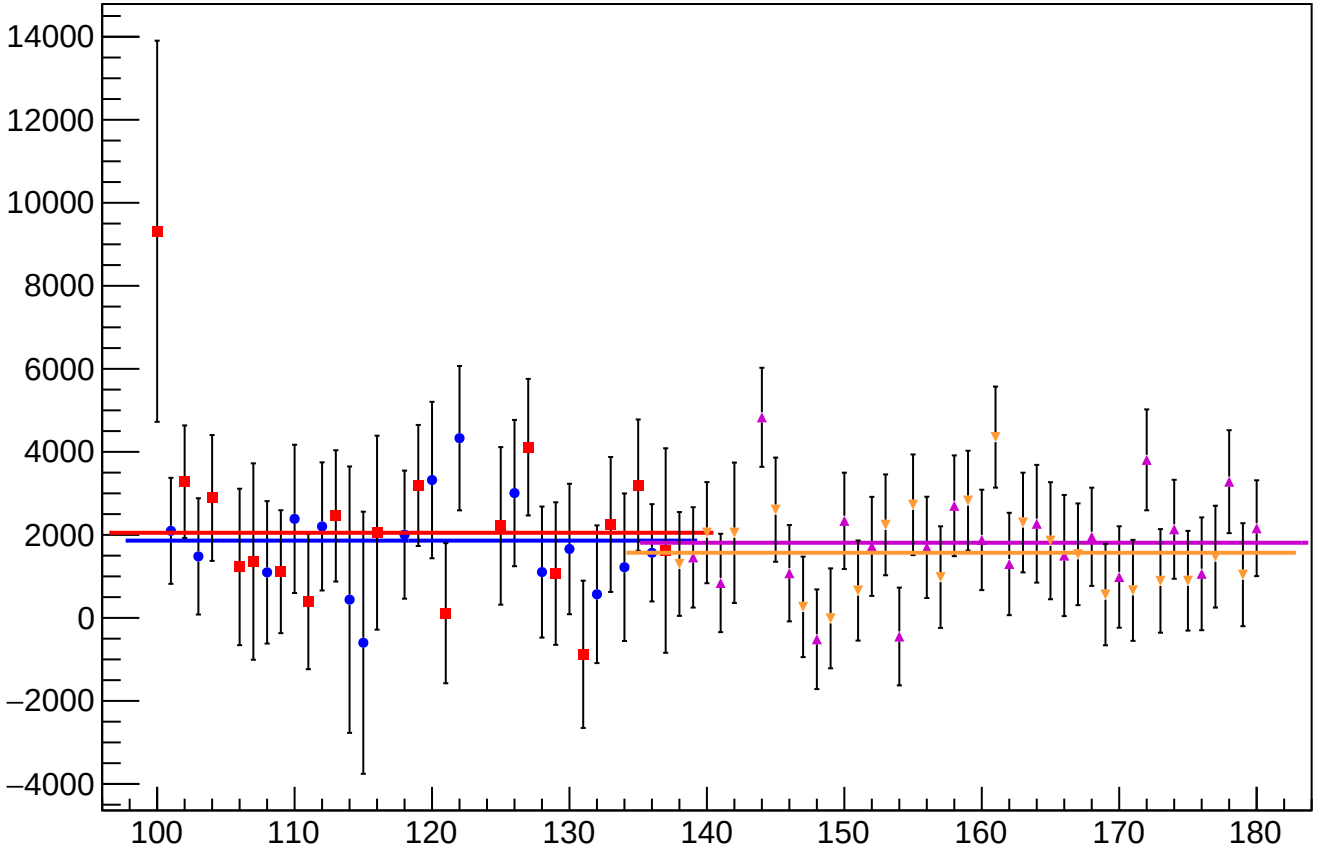
In: 13.351+/-250.705 χ^2/NDF:32.3/36

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -49.429+/-178.221 χ^2/NDF: 105.7/75


asym_usl_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 888.956+/-0.244 χ²/NDF: 1132766.3/15
Left Out: 1493.978+/-0.264 χ²/NDF:935890.5/20
Right Out: 889.478+/-0.244 χ²/NDF: 1345750.2/17
Left In: 1486.551+/-0.258 χ²/NDF:957679.4/20
Left: 1490.174+/-0.184 χ²/NDF: 1893975.2/41
Right: 889.217+/-0.173 χ²/NDF: 2478518.8/33
In: 1171.788+/-0.177 χ²/NDF:4923251.0/36
Out: 1167.961+/-0.179 χ²/NDF:5109450.6/38
All: 1169.895+/-0.126 χ²/NDF: 10032932.1/7

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

Left In: 1810.675+/-266.627 χ^2/NDF:21.1/20

Left: 1692.177+/-190.081 χ^2/NDF: 36.2/41

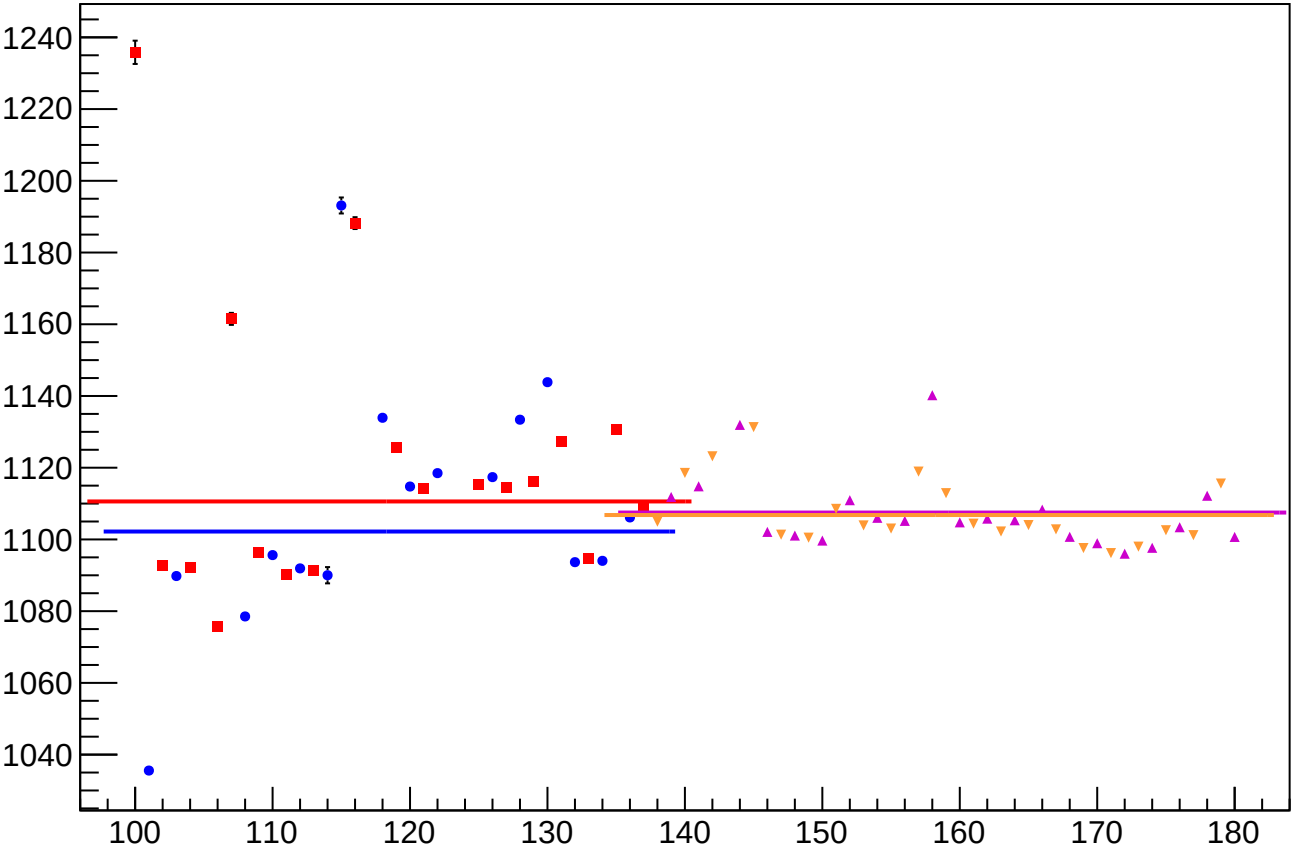
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1825.813+/-223.443 χ^2/NDF:26.5/36

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1771.732+/-158.889 χ^2/NDF: 54.7/75

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

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

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

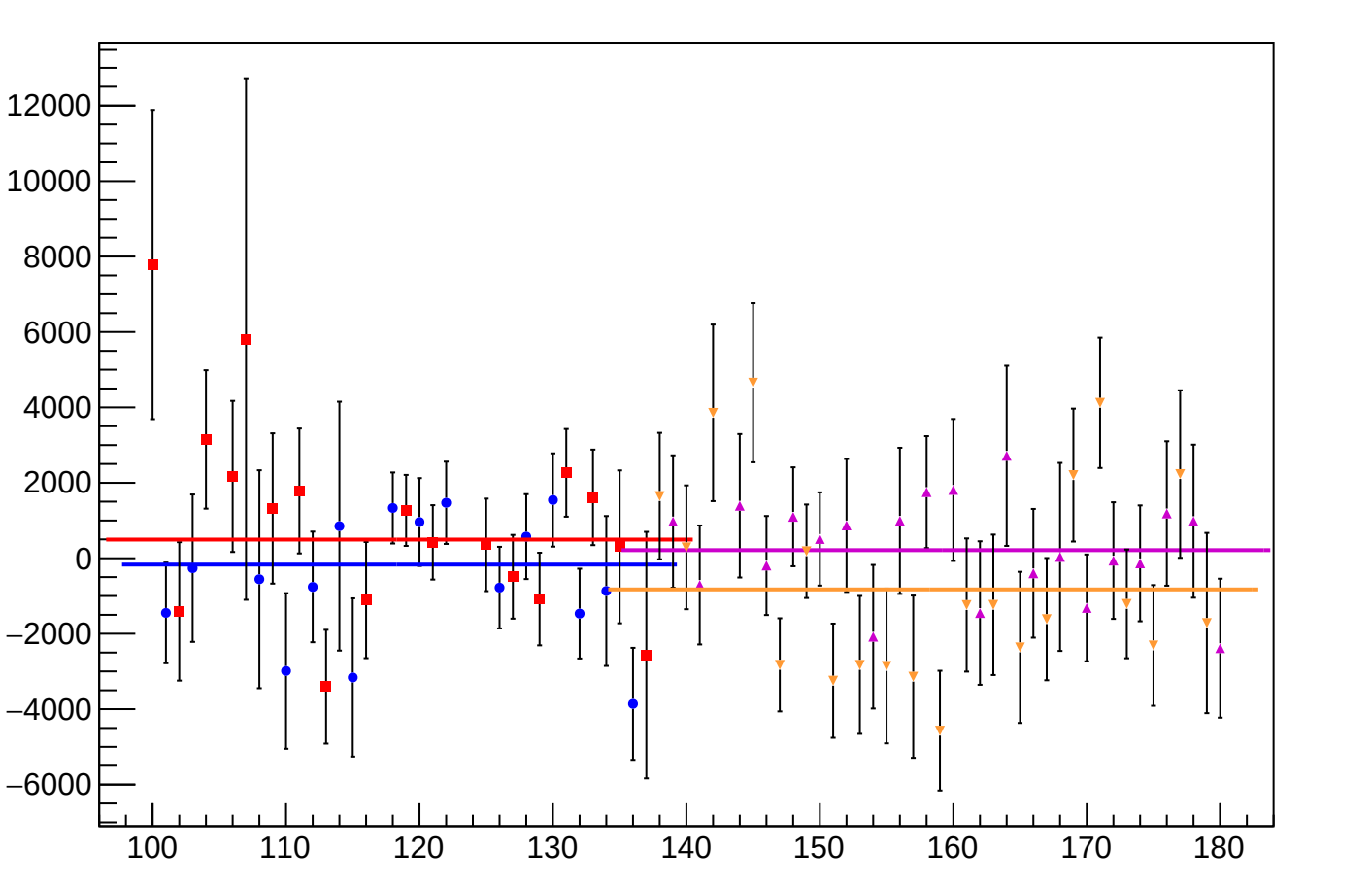
Left: 1107.156+/-0.134 χ^2/NDF: 5350.3/41

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

In: 1105.921+/-0.158 χ^2/NDF:14809.5/36

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75



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

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

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

Left In: 215.055+/-364.420 χ^2/NDF:10.7/20

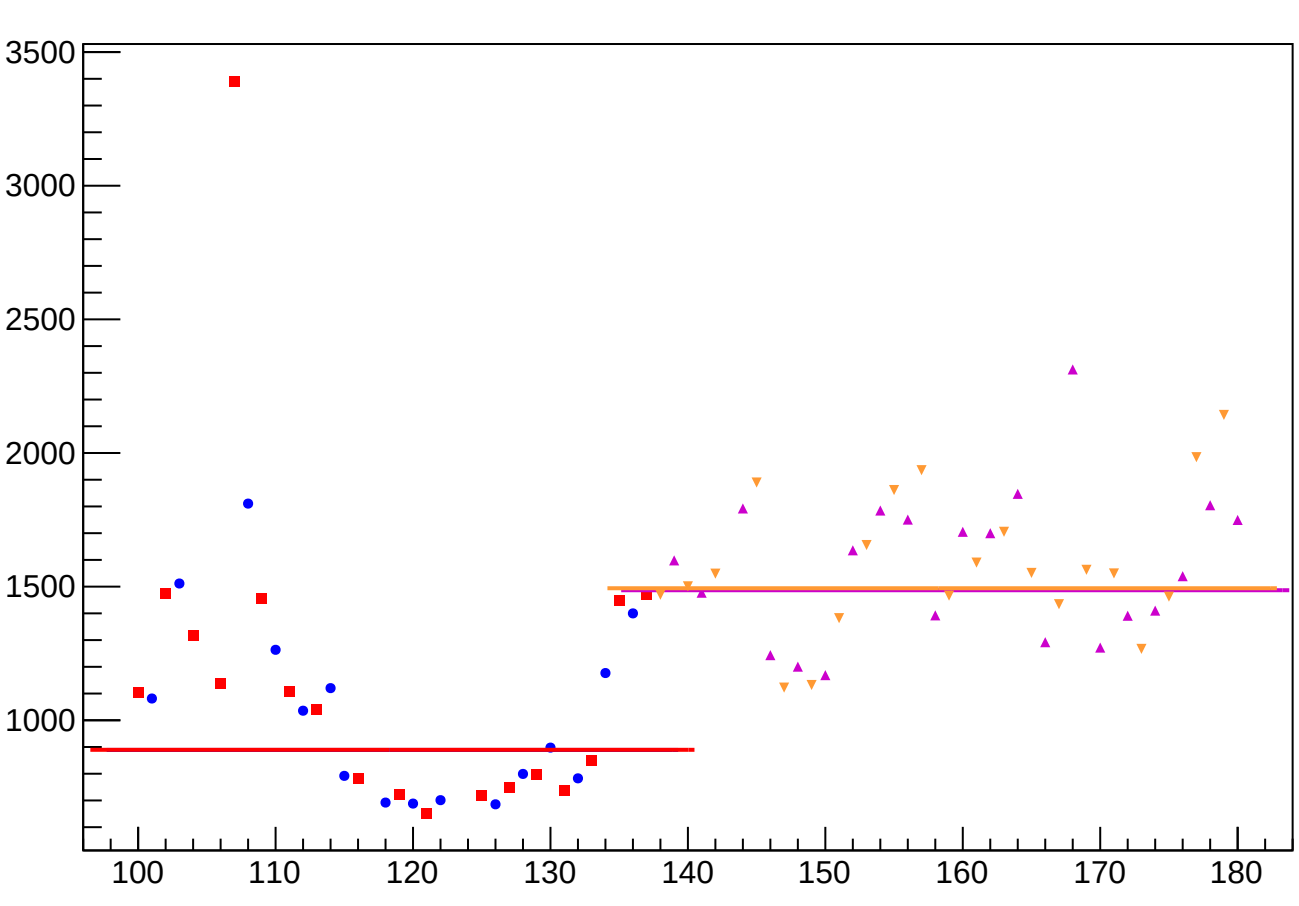
Left: -292.984+/-260.781 χ^2/NDF: 57.9/41

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

In: 13.351+/-250.705 χ^2/NDF:32.3/36

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -49.429+/-178.221 χ^2/NDF: 105.7/75



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

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

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

Left In: 1486.551+/-0.258 χ^2/NDF:957679.4/20

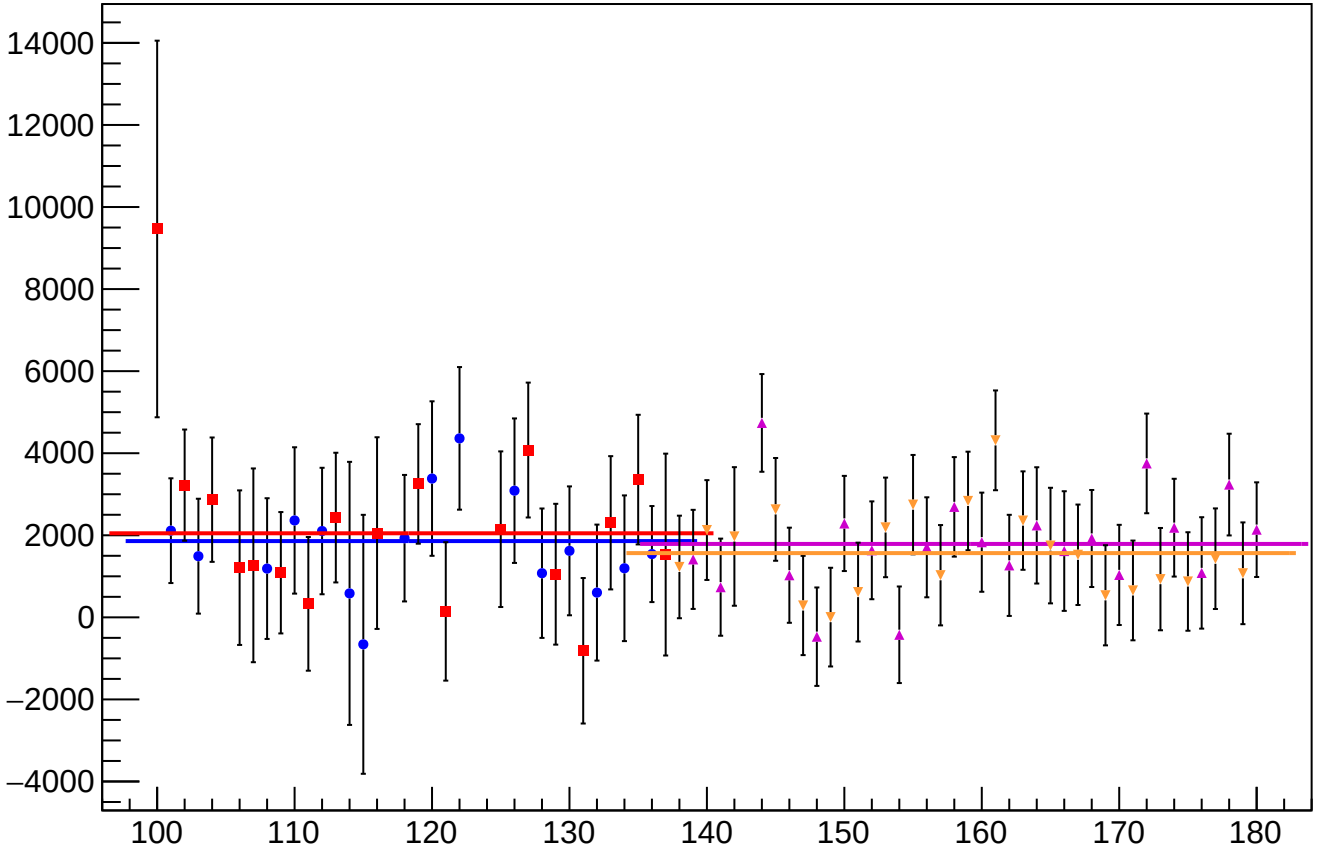
Left: 1490.174+/-0.184 χ^2/NDF: 1893975.2/41

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

In: 1171.788+/-0.177 χ^2/NDF:4923251.0/36

Out: 1167.961+/-0.179 χ^2/NDF:5109450.6/38

All: 1169.895+/-0.126 χ^2/NDF: 10032932.1/7



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

Left Out: 1565.771+/-270.796 χ^2/NDF:14.6/20

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

Left In: 1789.108+/-266.375 χ^2/NDF:20.4/20

Left: 1679.277+/-189.900 χ^2/NDF: 35.4/41

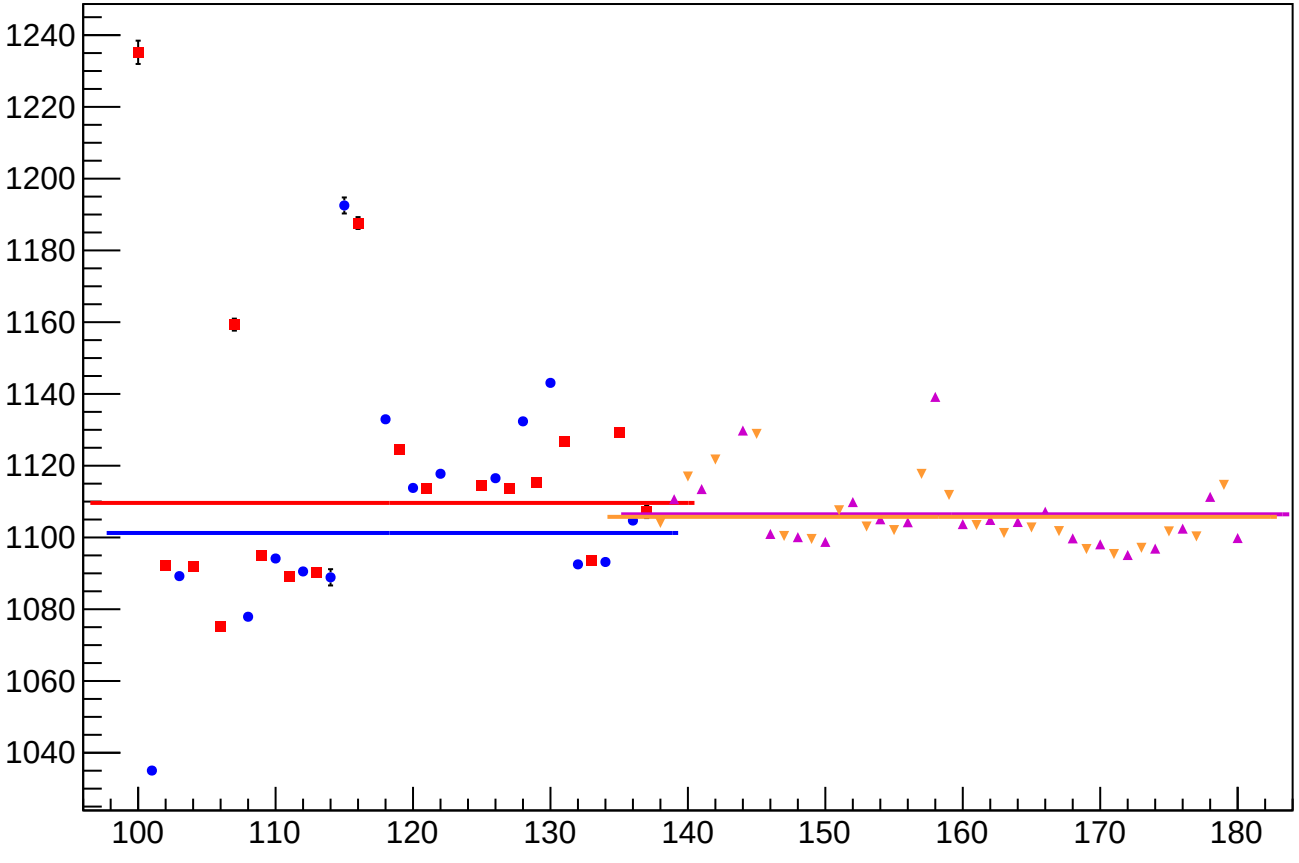
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1809.818+/-223.237 χ^2/NDF:25.9/36

Out: 1712.998+/-225.774 χ^2/NDF:28.3/38

All: 1761.954+/-158.742 χ^2/NDF: 54.3/75

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.748+/-0.191 χ^2/NDF:1982.8/20

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

Left In: 1106.452+/-0.188 χ^2/NDF:3128.8/20

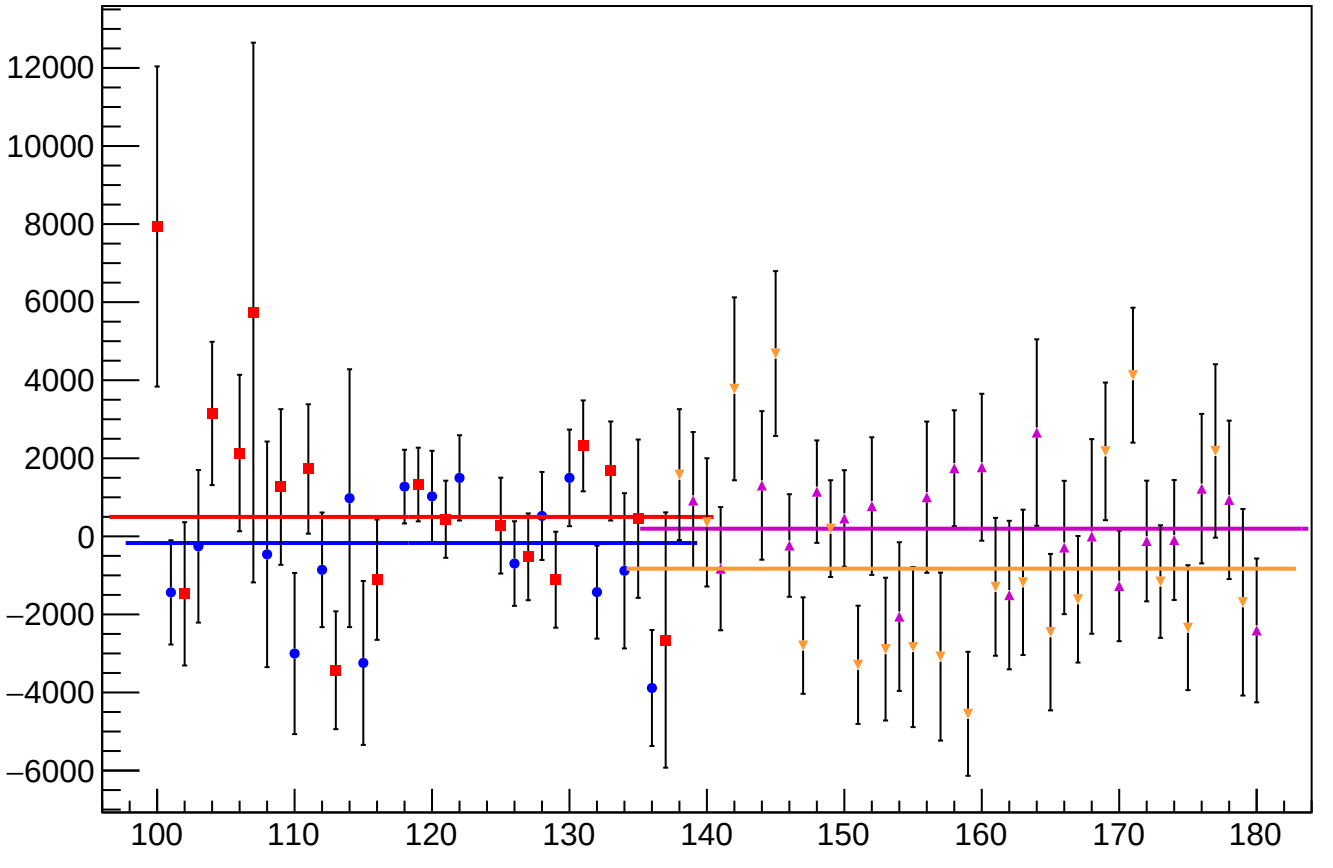
Left: 1106.106+/-0.134 χ^2/NDF: 5118.5/41

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

In: 1104.905+/-0.158 χ^2/NDF:14663.7/36

Out: 1106.931+/-0.160 χ^2/NDF:9781.1/38

All: 1105.906+/-0.112 χ^2/NDF: 24526.2/75



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

Left Out: -827.639+/-373.549 χ^2/NDF:43.0/20

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

Left In: 196.191+/-364.621 χ^2/NDF:10.6/20

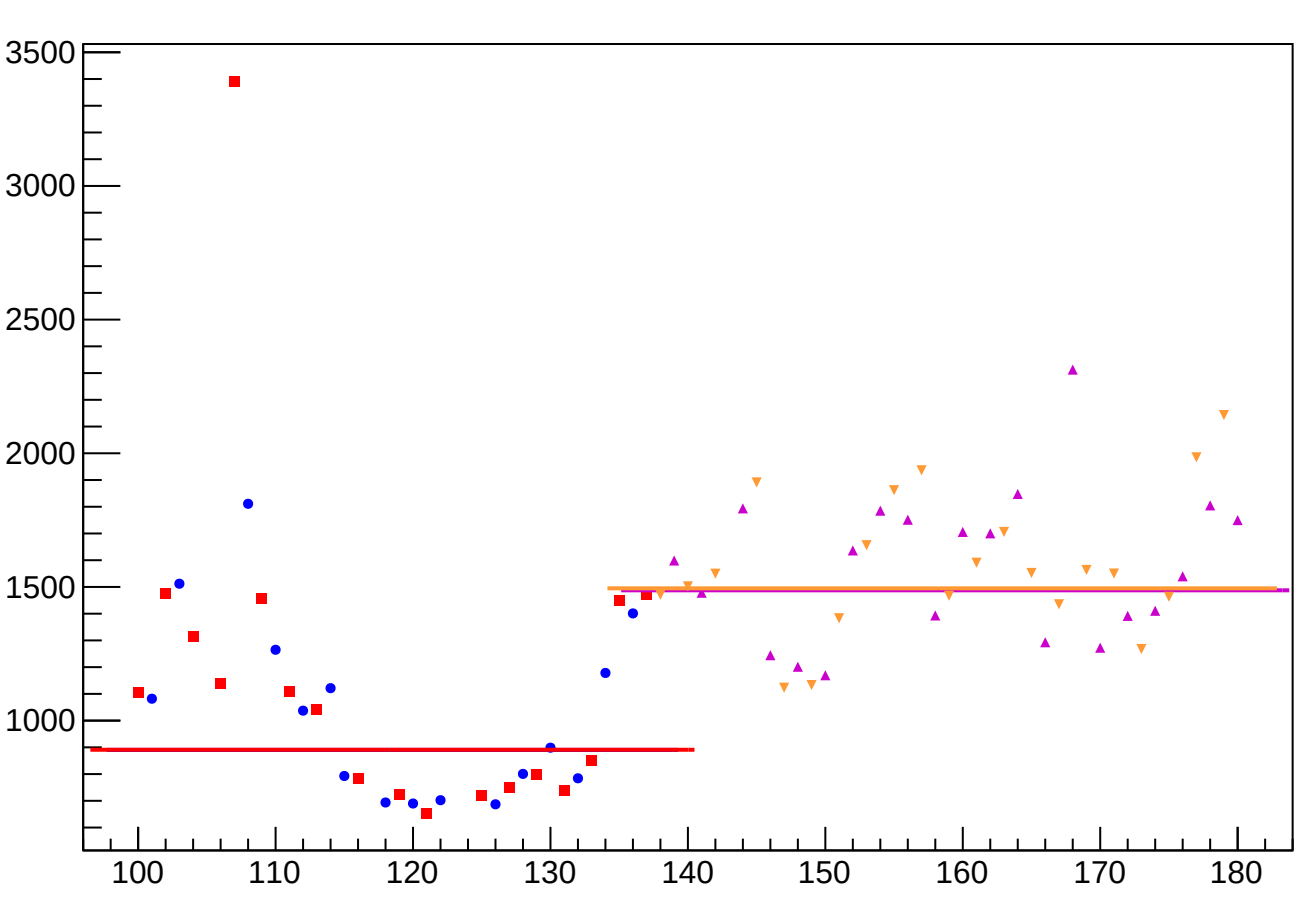
Left: -303.343+/-260.925 χ^2/NDF: 57.4/41

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

In: 3.007+/-250.976 χ^2/NDF:32.0/36

Out: -113.335+/-253.668 χ^2/NDF:73.7/38

All: -54.543+/-178.411 χ^2/NDF: 105.8/75



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

Left Out: 1494.849+/-0.264 χ^2/NDF:934409.9/20

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

Left In: 1487.414+/-0.258 χ^2/NDF:956155.8/20

Left: 1491.042+/-0.185 χ^2/NDF: 1890971.3/41

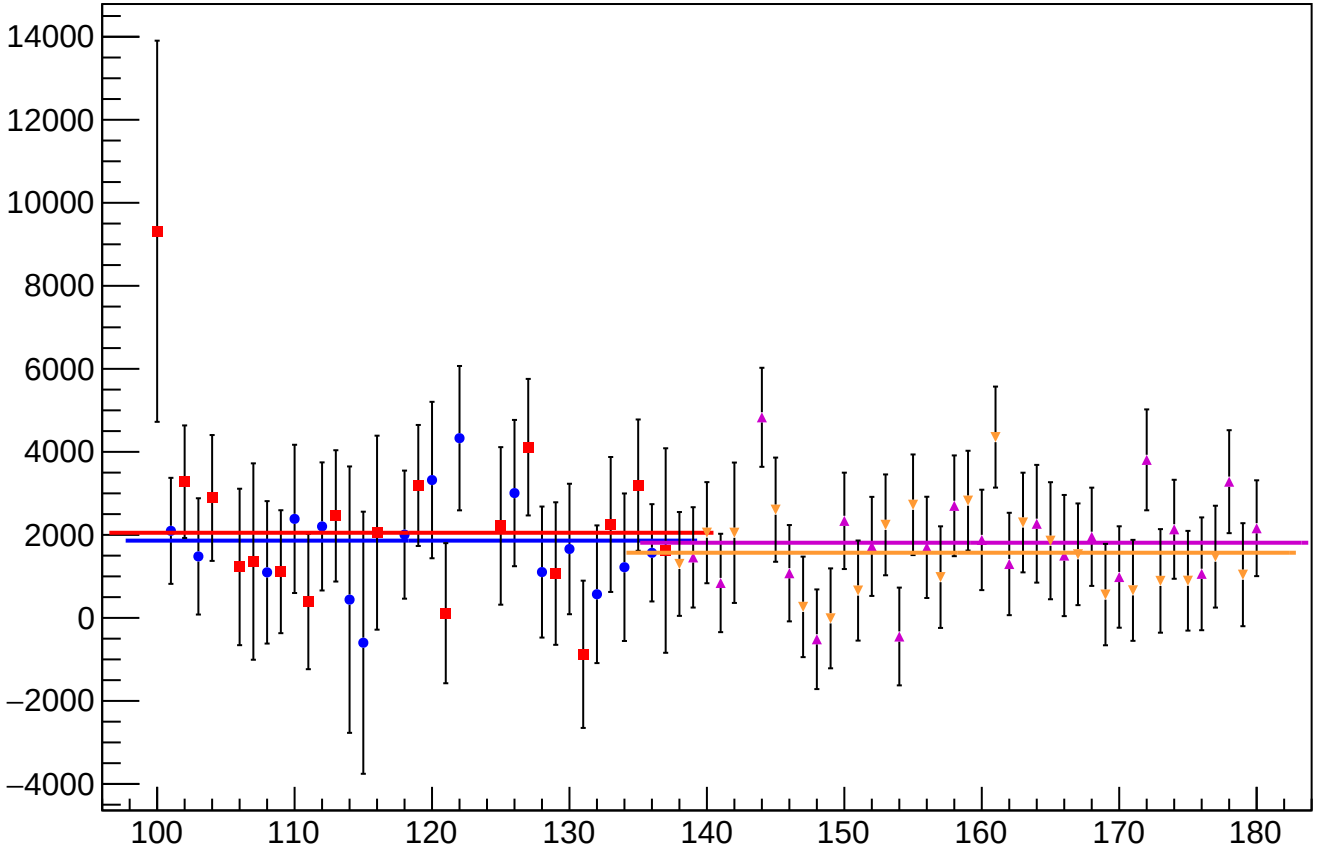
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1173.307+/-0.177 χ^2/NDF:4905491.1/36

Out: 1169.428+/-0.179 χ^2/NDF:5092987.4/38

All: 1171.388+/-0.126 χ^2/NDF: 9998714.7/75

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

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

Left In: 1810.675+/-266.627 χ^2/NDF:21.1/20

Left: 1692.177+/-190.081 χ^2/NDF: 36.2/41

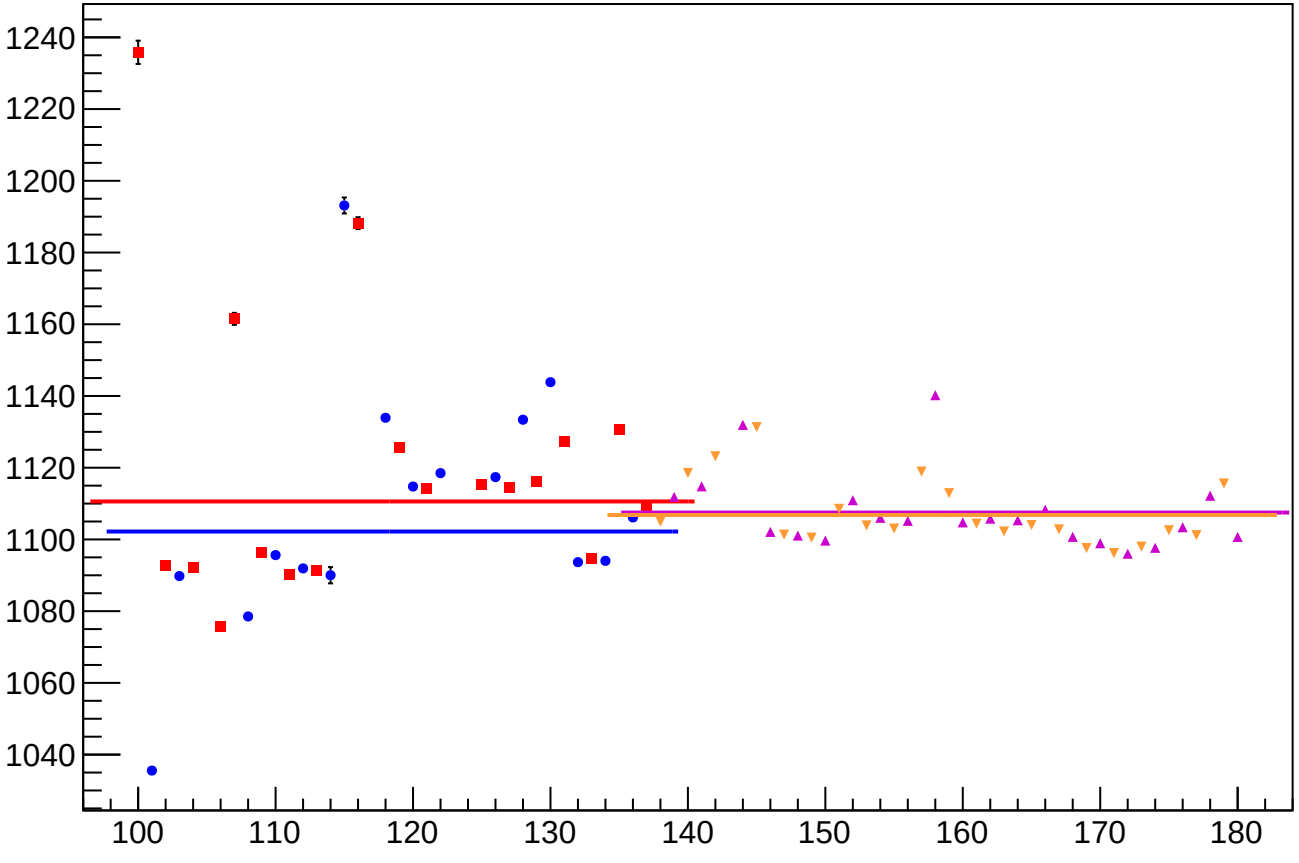
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1825.813+/-223.443 χ^2/NDF:26.5/36

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1771.732+/-158.889 χ^2/NDF: 54.7/75

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

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

Left In: 1107.496+/-0.189 χ^2/NDF:3226.1/20

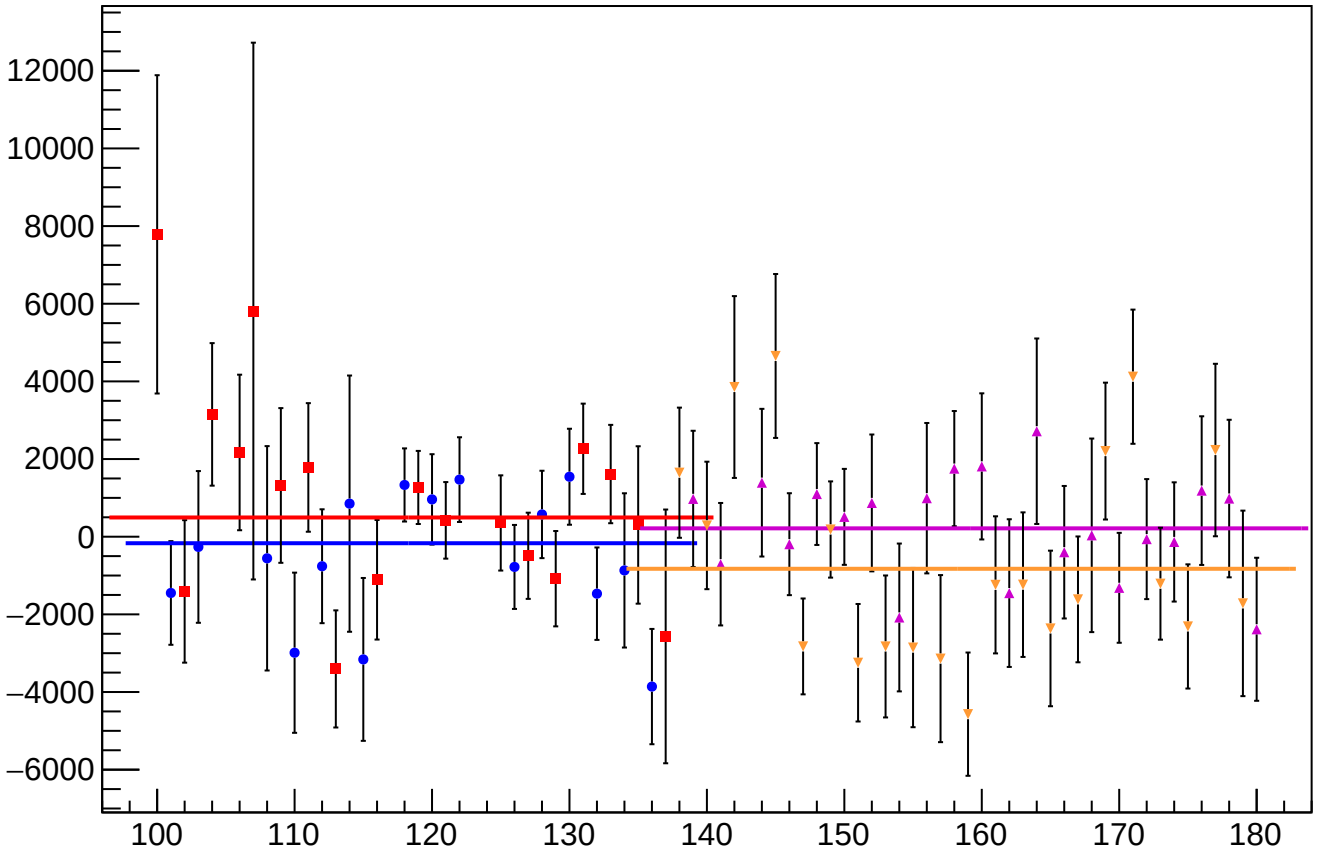
Left: 1107.156+/-0.134 χ^2/NDF: 5350.3/41

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

In: 1105.921+/-0.158 χ^2/NDF:14809.5/36

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1106.929+/-0.112 χ^2/NDF: 24824.5/75



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

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

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

Left In: 215.055+/-364.420 χ^2/NDF:10.7/20

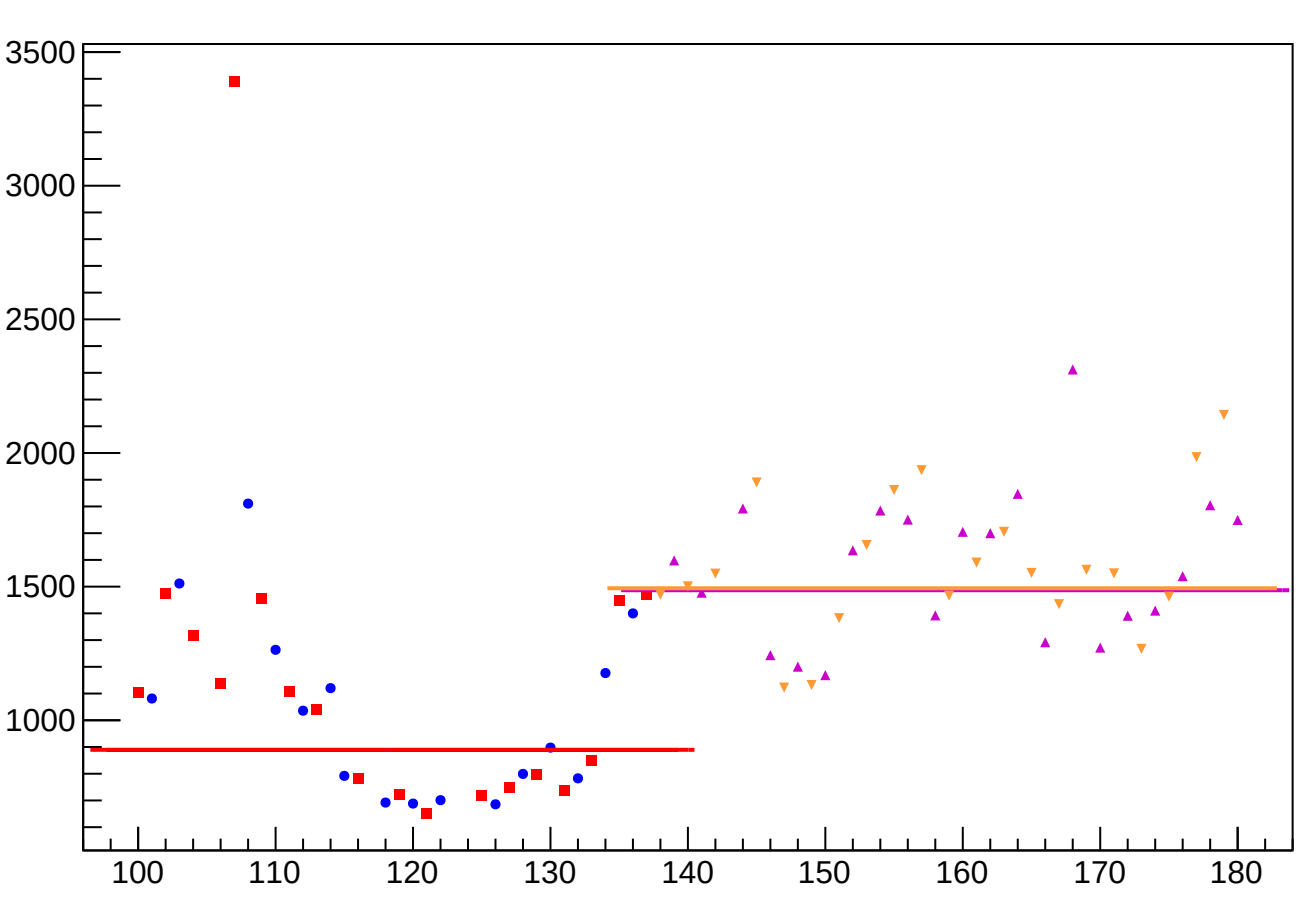
Left: -292.984+/-260.781 χ^2/NDF: 57.9/41

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

In: 13.351+/-250.705 χ^2/NDF:32.3/36

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -49.429+/-178.221 χ^2/NDF: 105.7/75



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

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

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

Left In: 1486.551+/-0.258 χ^2/NDF:957679.4/20

Left: 1490.174+/-0.184 χ^2/NDF: 1893975.2/41

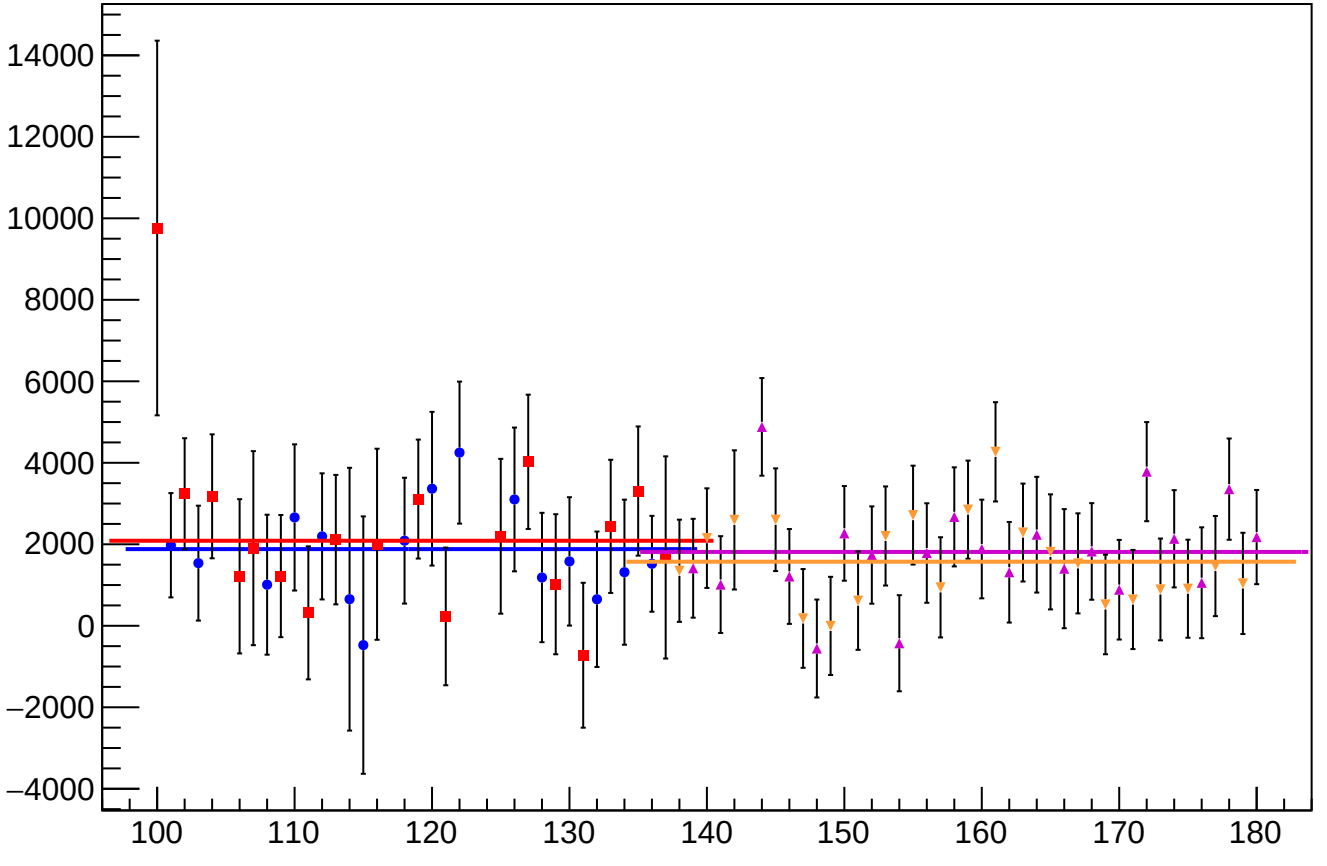
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1171.788+/-0.177 χ^2/NDF:4923251.0/36

Out: 1167.961+/-0.179 χ^2/NDF:5109450.6/38

All: 1169.895+/-0.126 χ^2/NDF: 10032932.1/7

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1572.313+/-271.570 χ^2/NDF:14.9/20

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

Left In: 1812.456+/-267.068 χ^2/NDF:21.1/20

Left: 1694.392+/-190.417 χ^2/NDF: 36.4/41

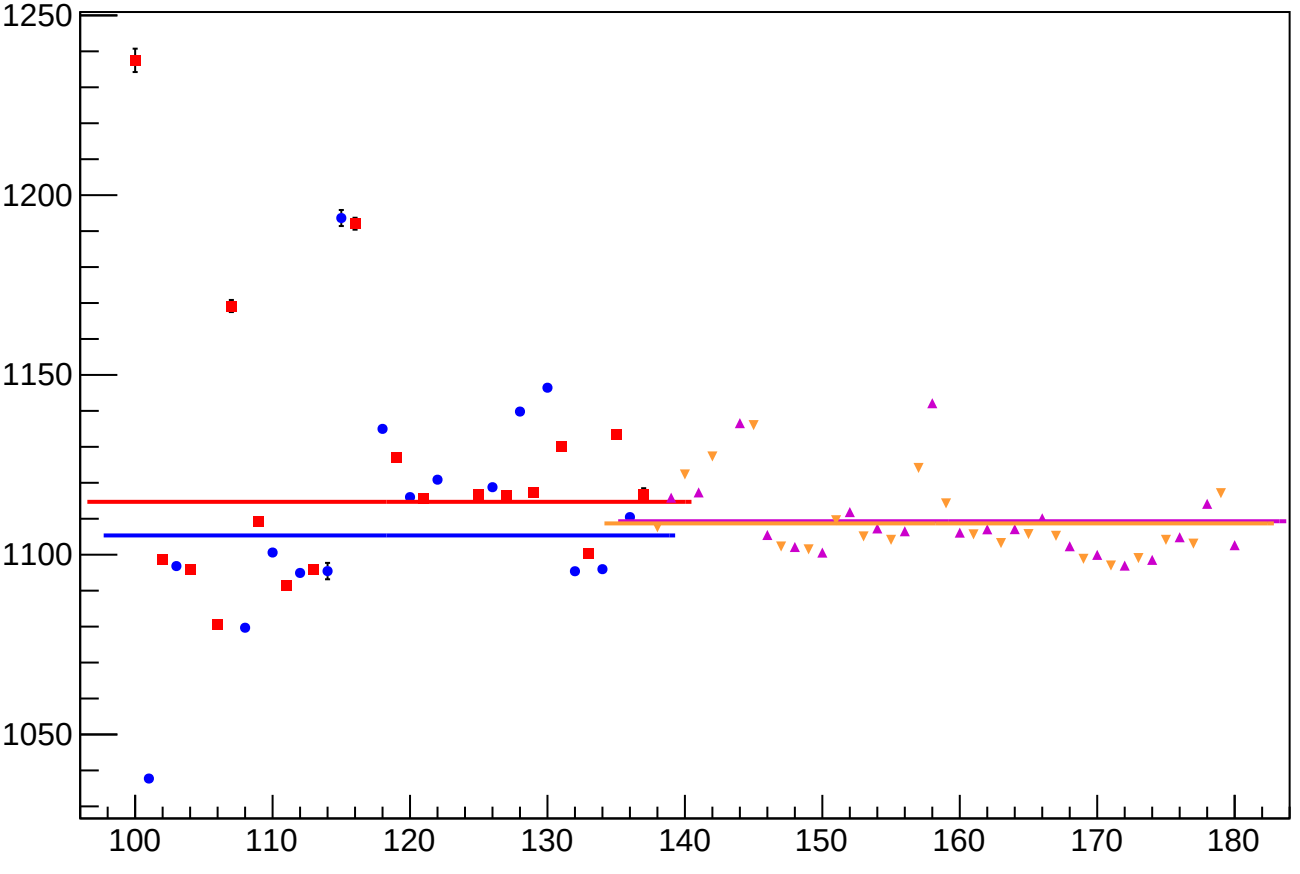
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1832.982+/-223.893 χ^2/NDF:26.3/36

Out: 1728.811+/-226.540 χ^2/NDF:28.4/38

All: 1781.509+/-159.244 χ^2/NDF: 54.8/75

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

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

Left In: 1109.305+/-0.189 χ^2/NDF:3572.5/20

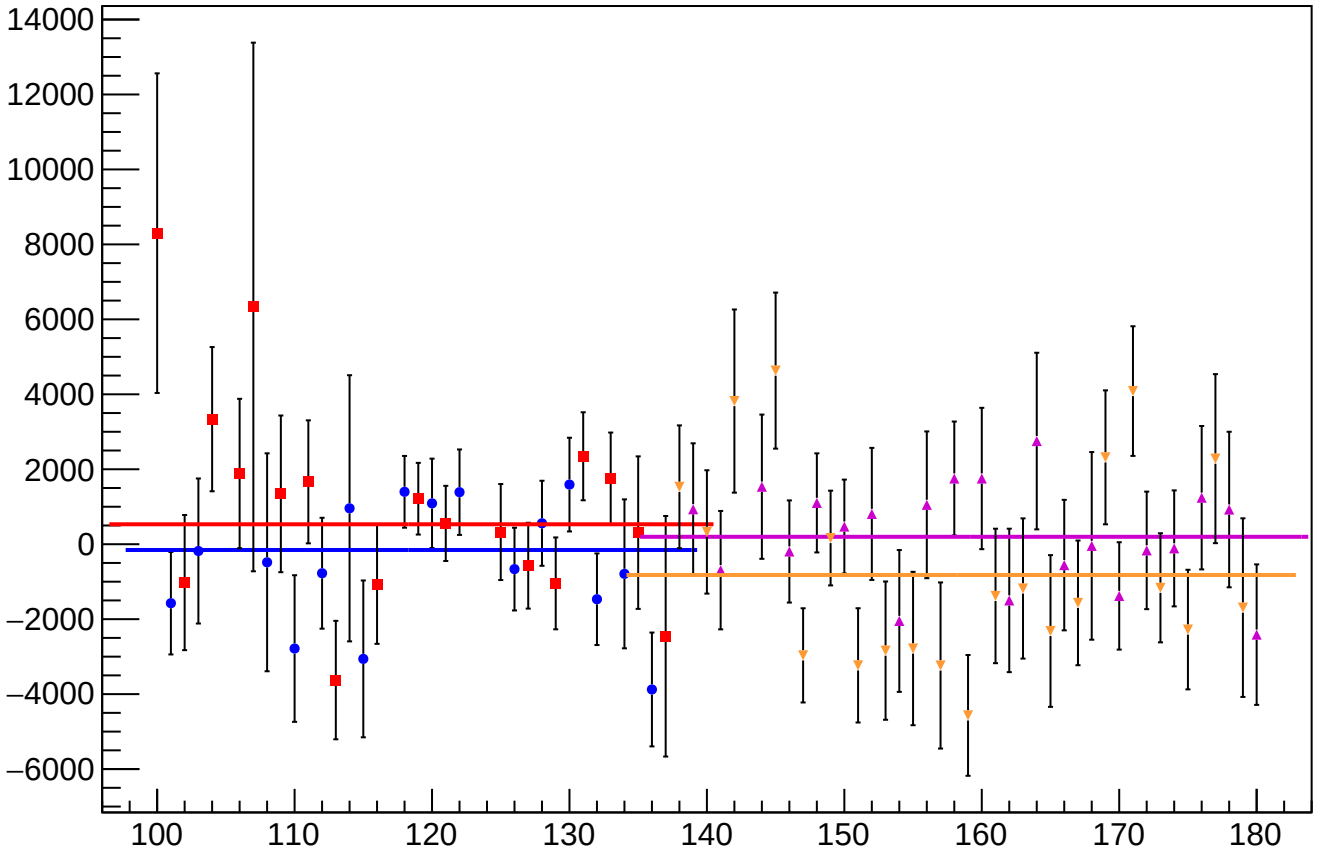
Left: 1109.009+/-0.135 χ^2/NDF: 6213.2/41

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

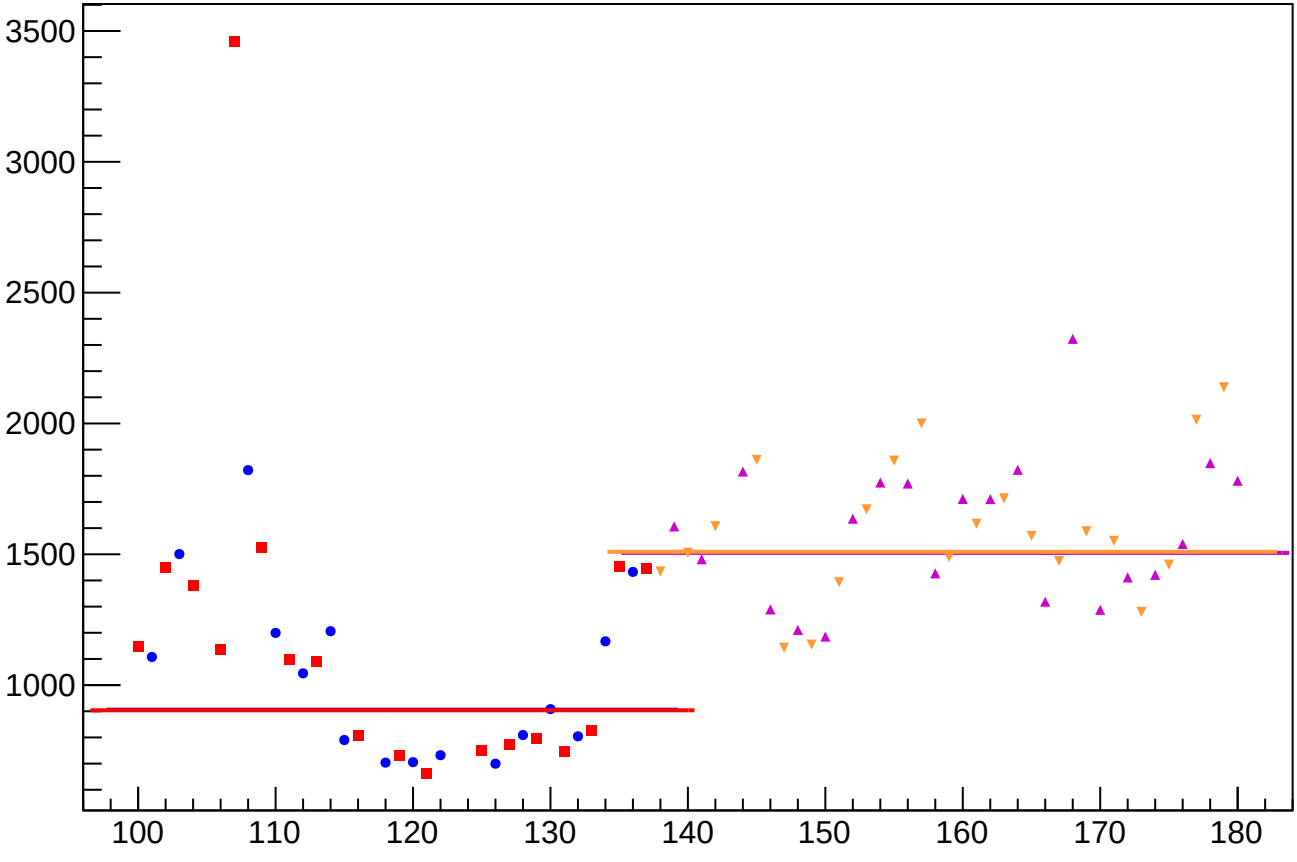
In: 1108.131+/-0.158 χ^2/NDF:15033.4/36

Out: 1110.528+/-0.160 χ^2/NDF:10263.2/38

All: 1109.315+/-0.113 χ^2/NDF: 25409.8/75


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -821.506+/-376.978 χ²/NDF:42.7/20
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 197.766+/-368.562 χ²/NDF:10.8/20
Left: -300.366+/-263.538 χ²/NDF: 57.3/41
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 13.462+/-254.297 χ²/NDF:31.8/36
Out: -95.292+/-256.655 χ²/NDF:72.8/38
All: -40.413+/-180.643 χ²/NDF: 104.7/75

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1509.657+/-0.267 χ^2/NDF:905549.4/20

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1505.353+/-0.261 χ^2/NDF:910140.7/20

Left: 1507.457+/-0.186 χ^2/NDF: 1815823.4/41

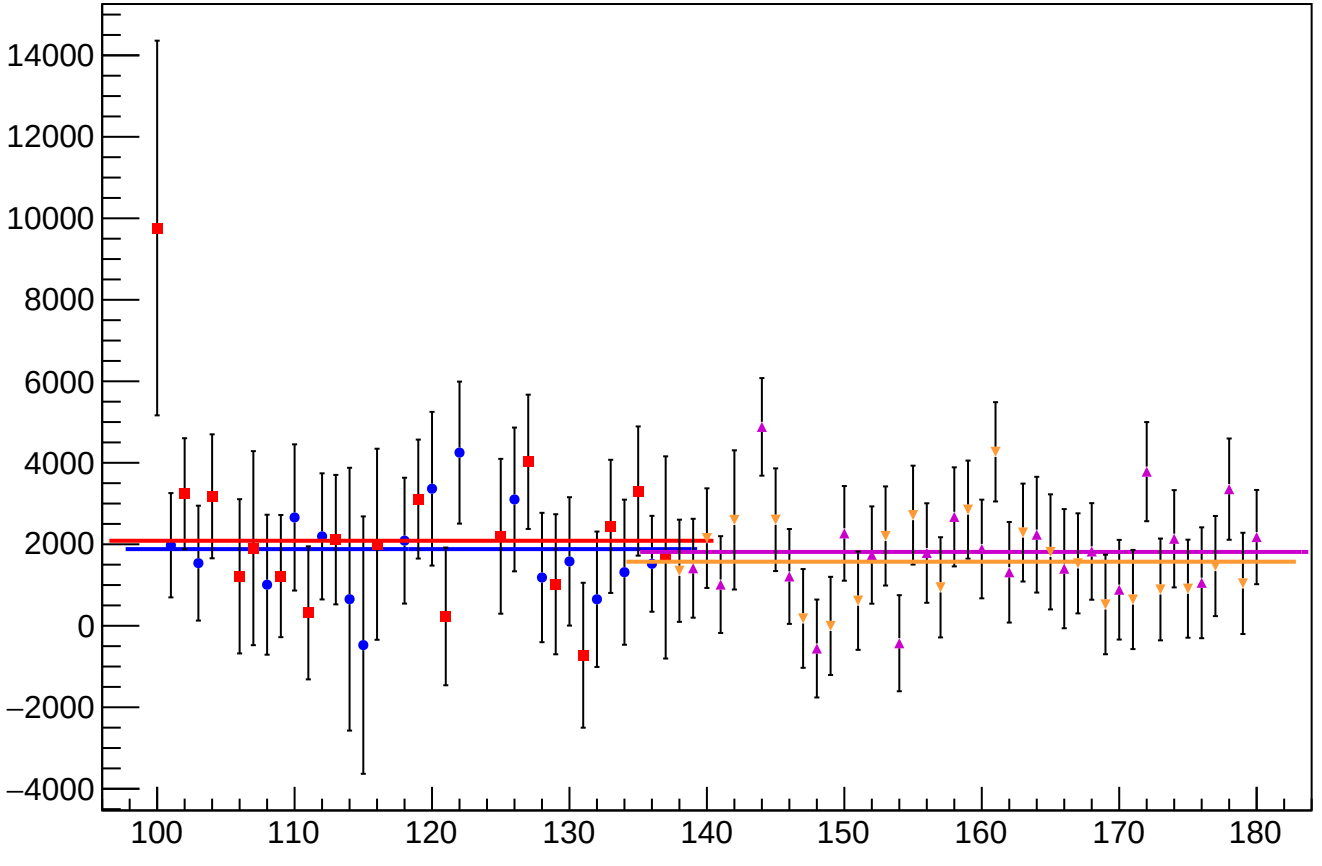
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1191.346+/-0.180 χ^2/NDF:4760372.6/36

Out: 1184.601+/-0.181 χ^2/NDF:5017313.6/38

All: 1188.005+/-0.128 χ^2/NDF: 9778383.2/75

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1572.310+/-271.570 χ^2/NDF:14.9/20

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1812.457+/-267.068 χ^2/NDF:21.1/20

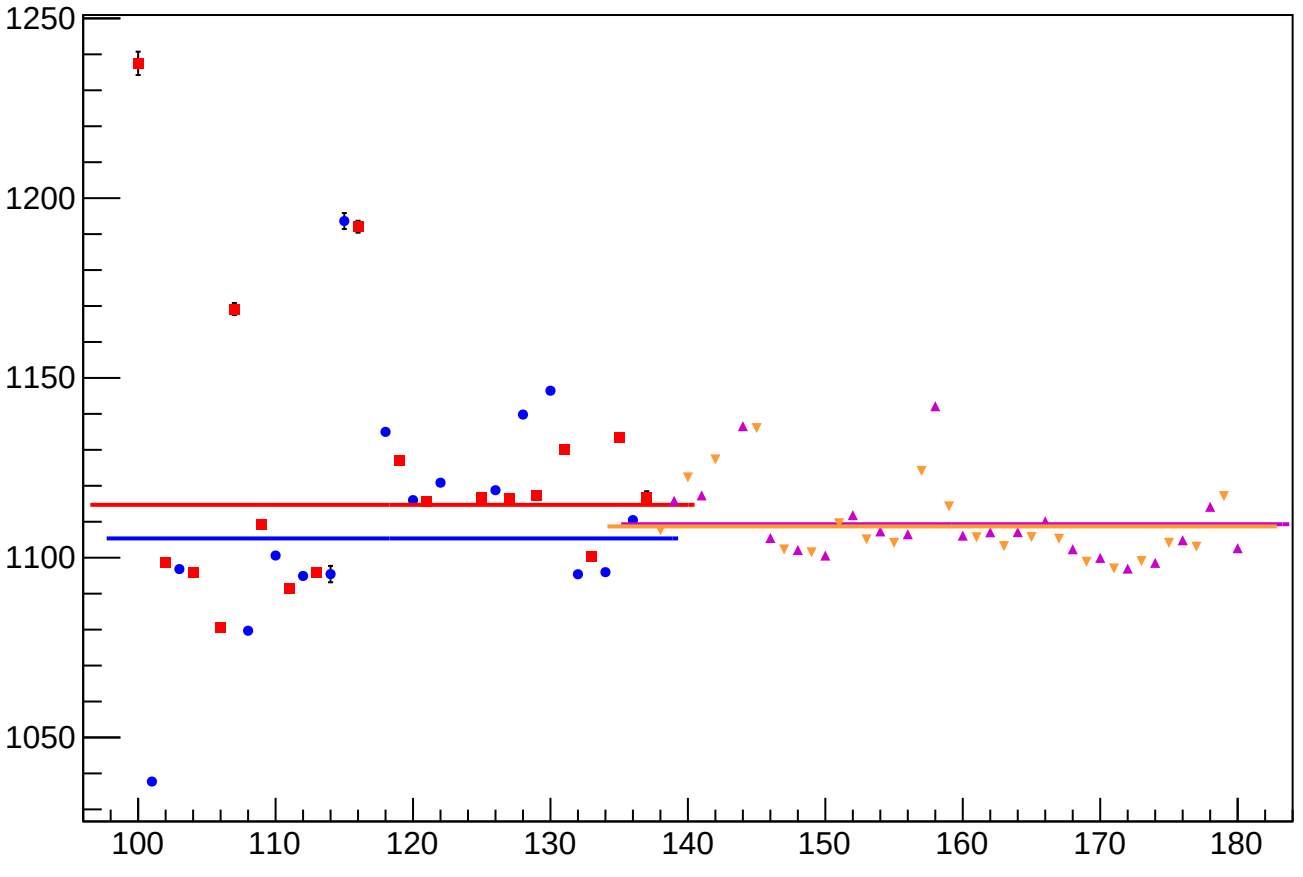
Left: 1694.391+/-190.417 χ^2/NDF: 36.4/41

Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1832.983+/-223.893 χ^2/NDF:26.3/36

Out: 1728.808+/-226.540 χ^2/NDF:28.4/38

All: 1781.507+/-159.244 χ^2/NDF: 54.8/75



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

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.305+/-0.189 χ^2/NDF:3572.5/20

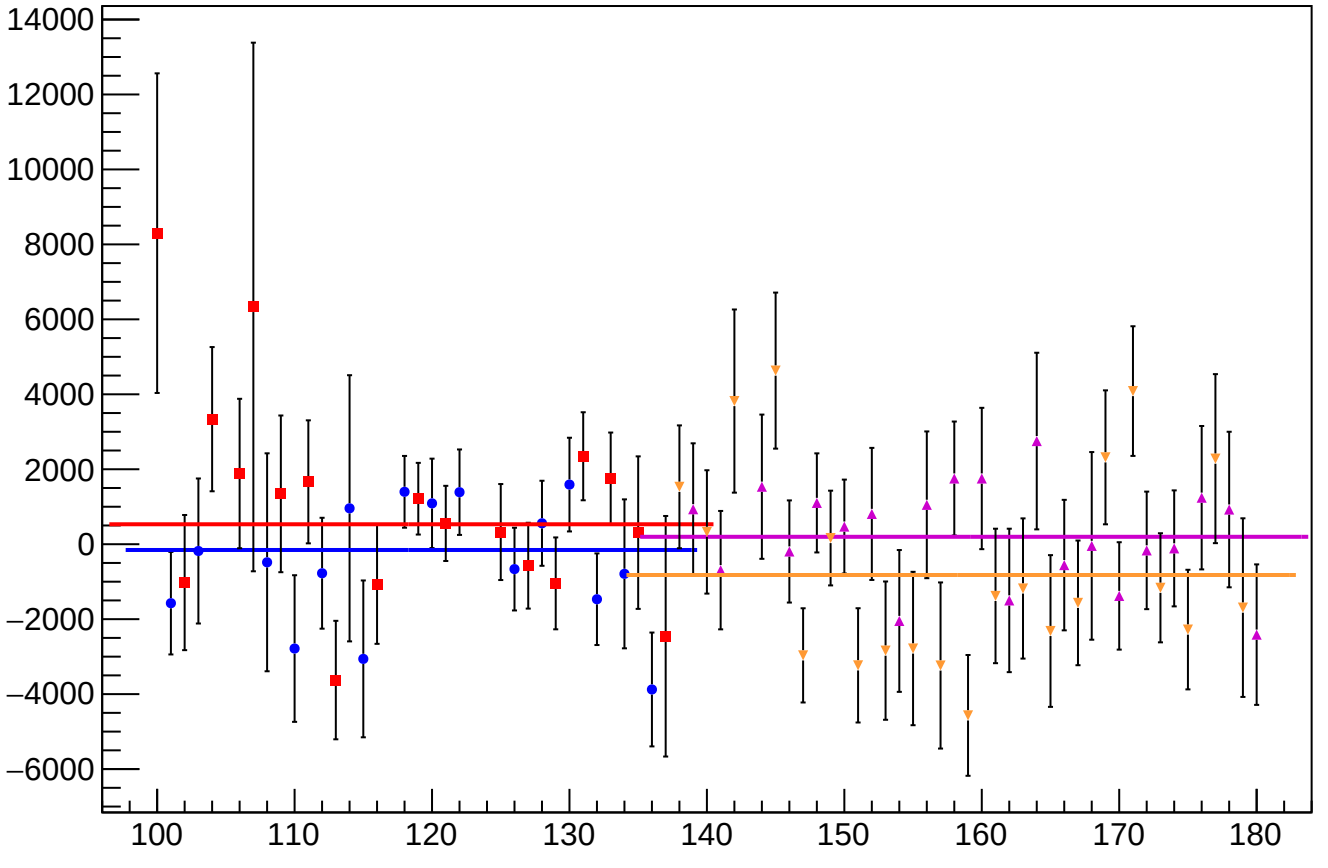
Left: 1109.009+/-0.135 χ^2/NDF: 6213.2/41

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.131+/-0.158 χ^2/NDF:15033.4/36

Out: 1110.528+/-0.160 χ^2/NDF:10263.1/38

All: 1109.315+/-0.113 χ^2/NDF: 25409.8/75



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -821.510+/-376.979 χ^2/NDF:42.7/20

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 197.767+/-368.563 χ^2/NDF:10.8/20

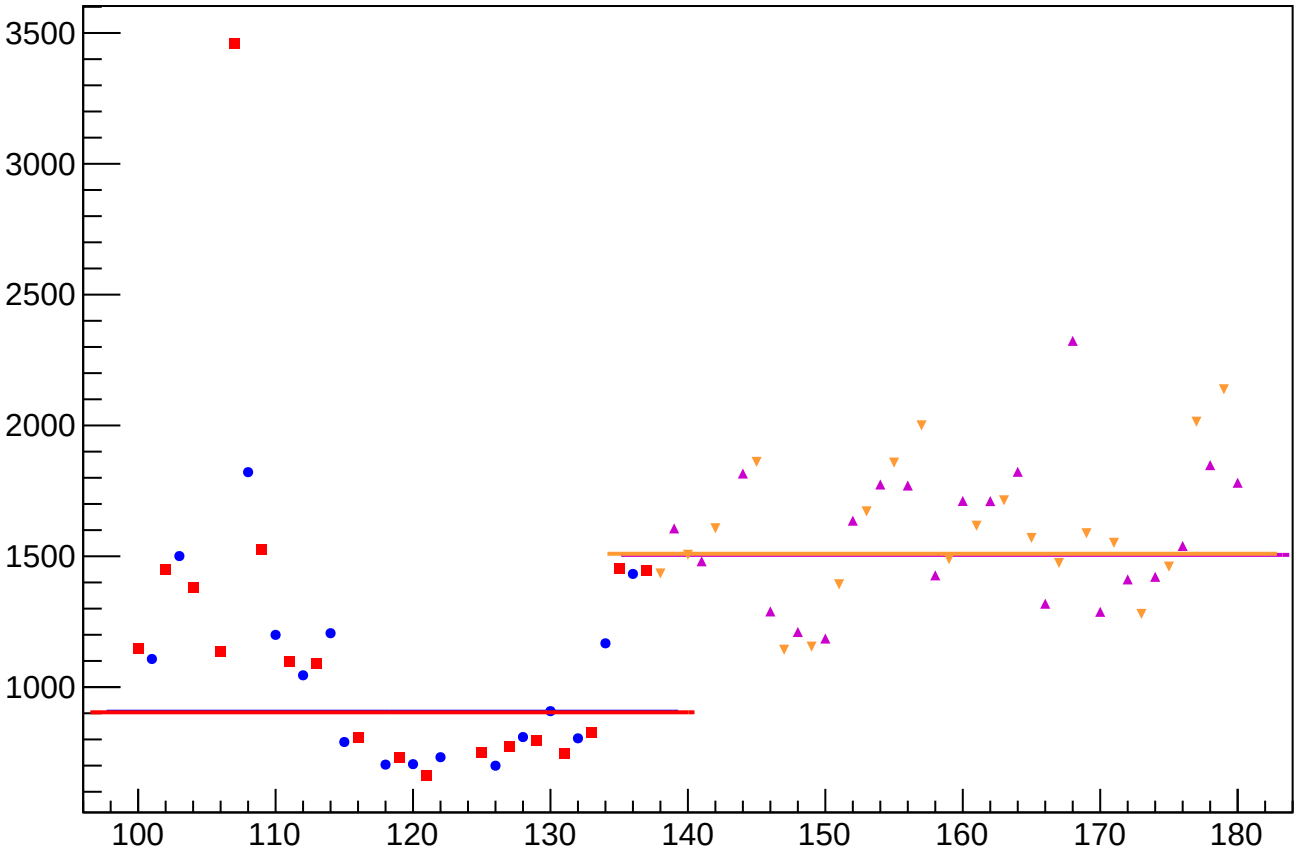
Left: -300.367+/-263.538 χ^2/NDF: 57.3/41

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 13.462+/-254.297 χ^2/NDF:31.8/36

Out: -95.292+/-256.655 χ^2/NDF:72.8/38

All: -40.413+/-180.643 χ^2/NDF: 104.7/75



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1509.659+/-0.267 χ^2/NDF:905545.6/20

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1505.355+/-0.261 χ^2/NDF:910137.2/20

Left: 1507.458+/-0.186 χ^2/NDF: 1815816.0/41

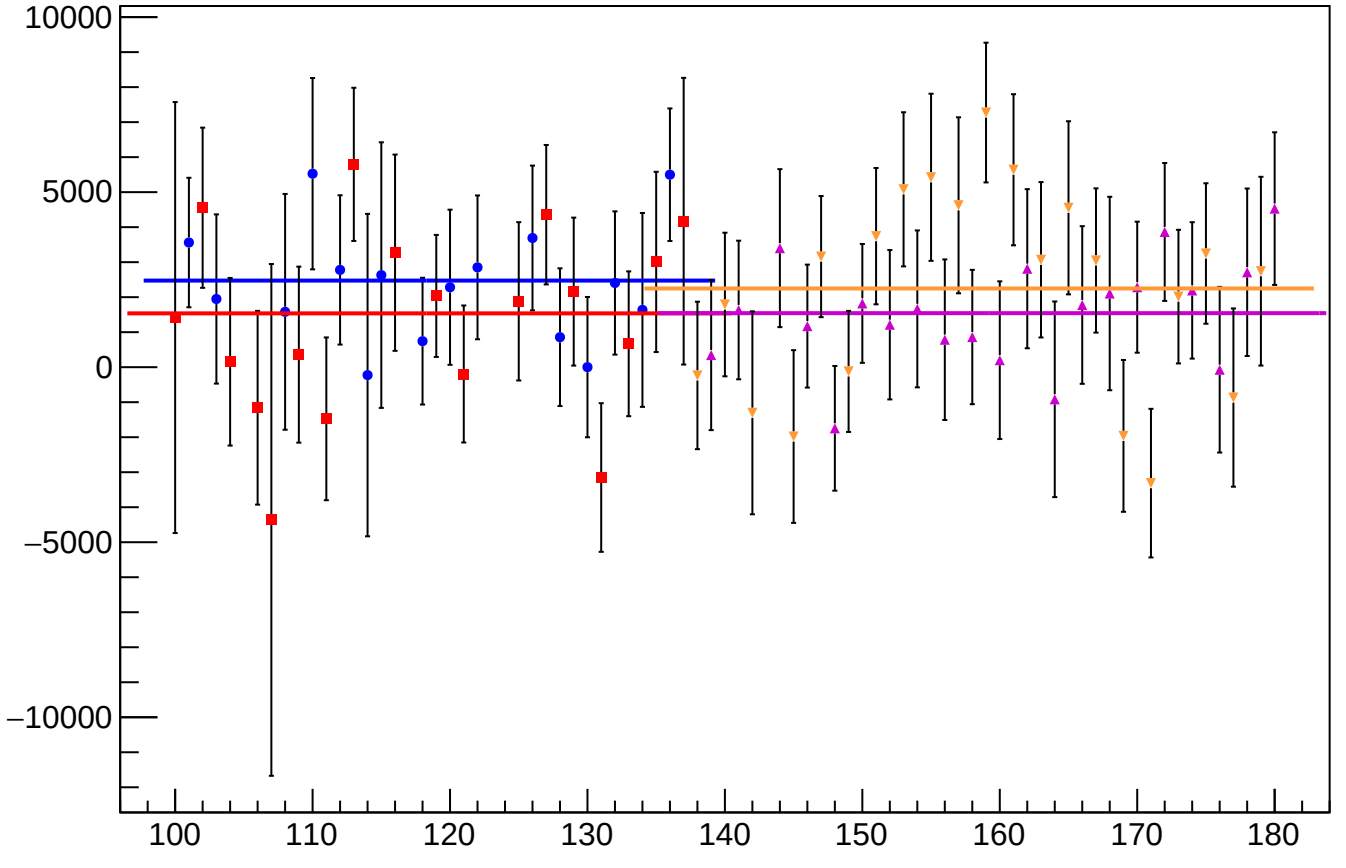
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1191.345+/-0.180 χ^2/NDF:4760408.3/36

Out: 1184.600+/-0.181 χ^2/NDF:5017349.8/38

All: 1188.003+/-0.128 χ^2/NDF: 9778455.2/75

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2248.515+/-469.538 χ^2/NDF:35.3/20

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1543.451+/-458.694 χ^2/NDF:10.5/20

Left: 1887.747+/-328.112 χ^2/NDF: 47.0/41

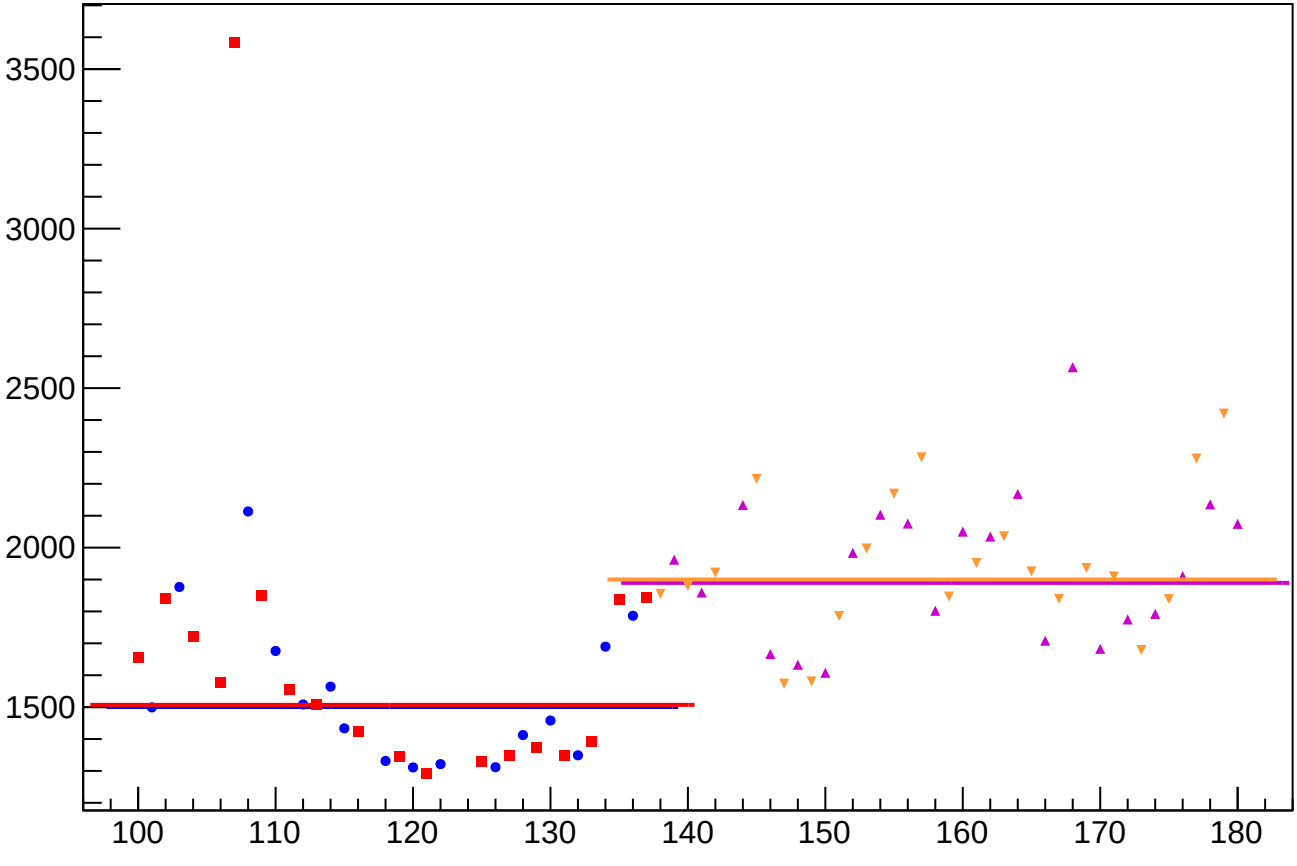
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1914.892+/-355.558 χ^2/NDF:20.3/36

Out: 1957.157+/-360.738 χ^2/NDF:54.8/38

All: 1935.719+/-253.229 χ^2/NDF: 75.1/75

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1900.019+/-0.332 χ^2/NDF:416049.7/20

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1889.530+/-0.324 χ^2/NDF:437271.8/20

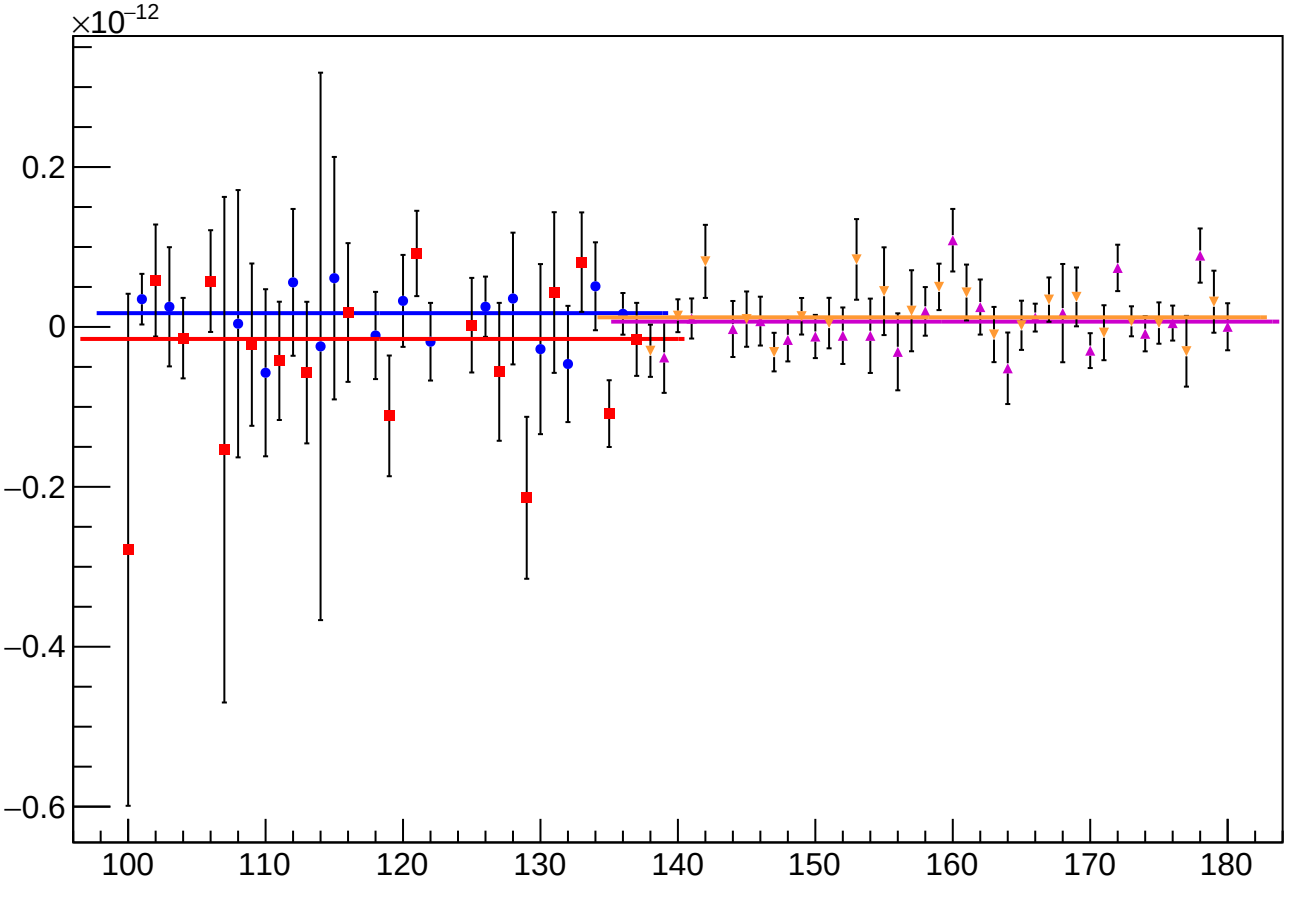
Left: 1894.652+/-0.232 χ^2/NDF: 853832.2/41

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1734.205+/-0.251 χ^2/NDF:1270638.0/36

Out: 1739.023+/-0.255 χ^2/NDF:1391142.1/38

All: 1736.579+/-0.179 χ^2/NDF: 2661961.1/75



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:27.0/20

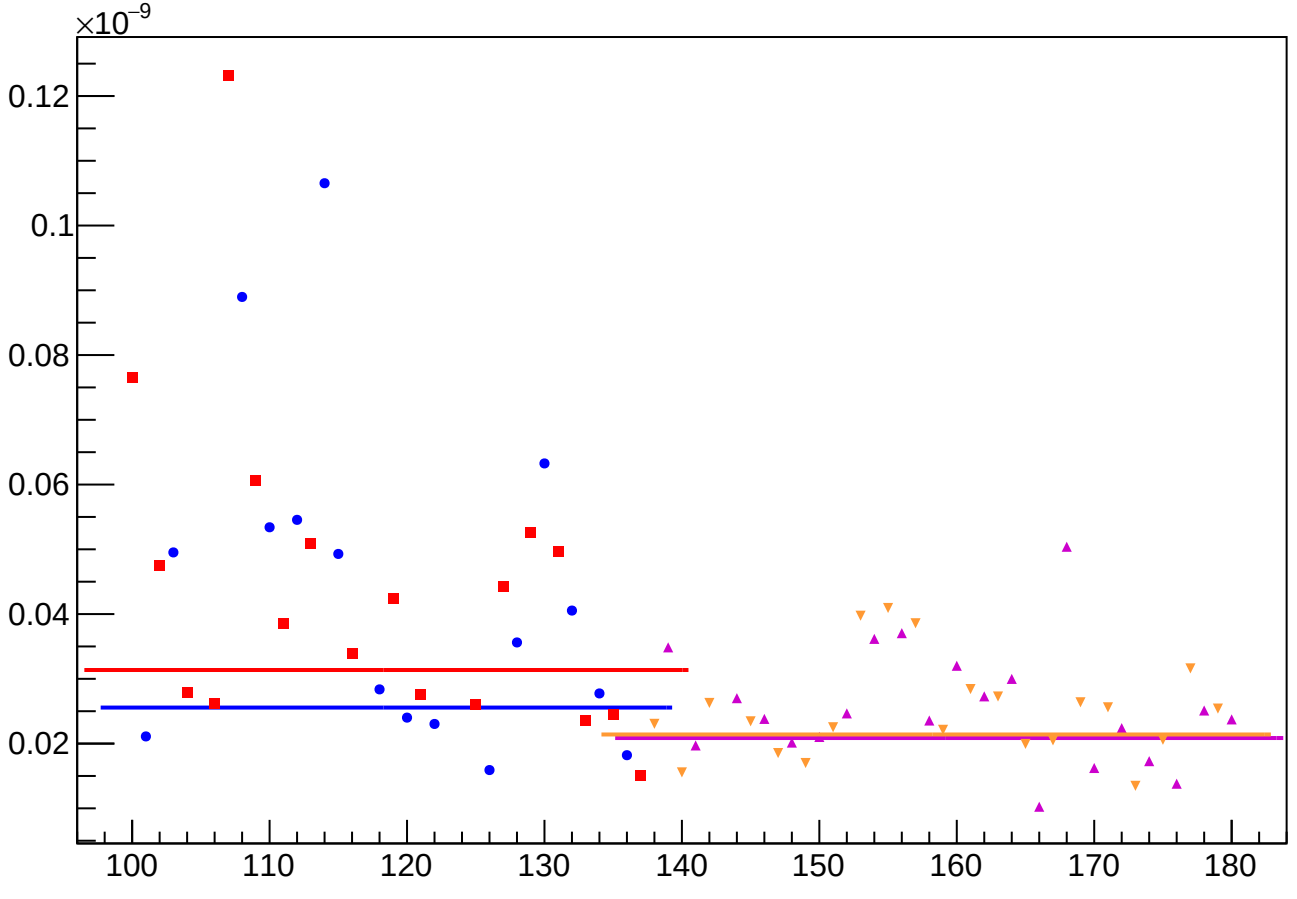
Left: 0.000+/-0.000 χ^2/NDF: 42.8/41

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:30.9/36

Out: 0.000+/-0.000 χ^2/NDF:39.2/38

All: 0.000+/-0.000 χ^2/NDF: 70.1/75



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1748782.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2692724.2/20

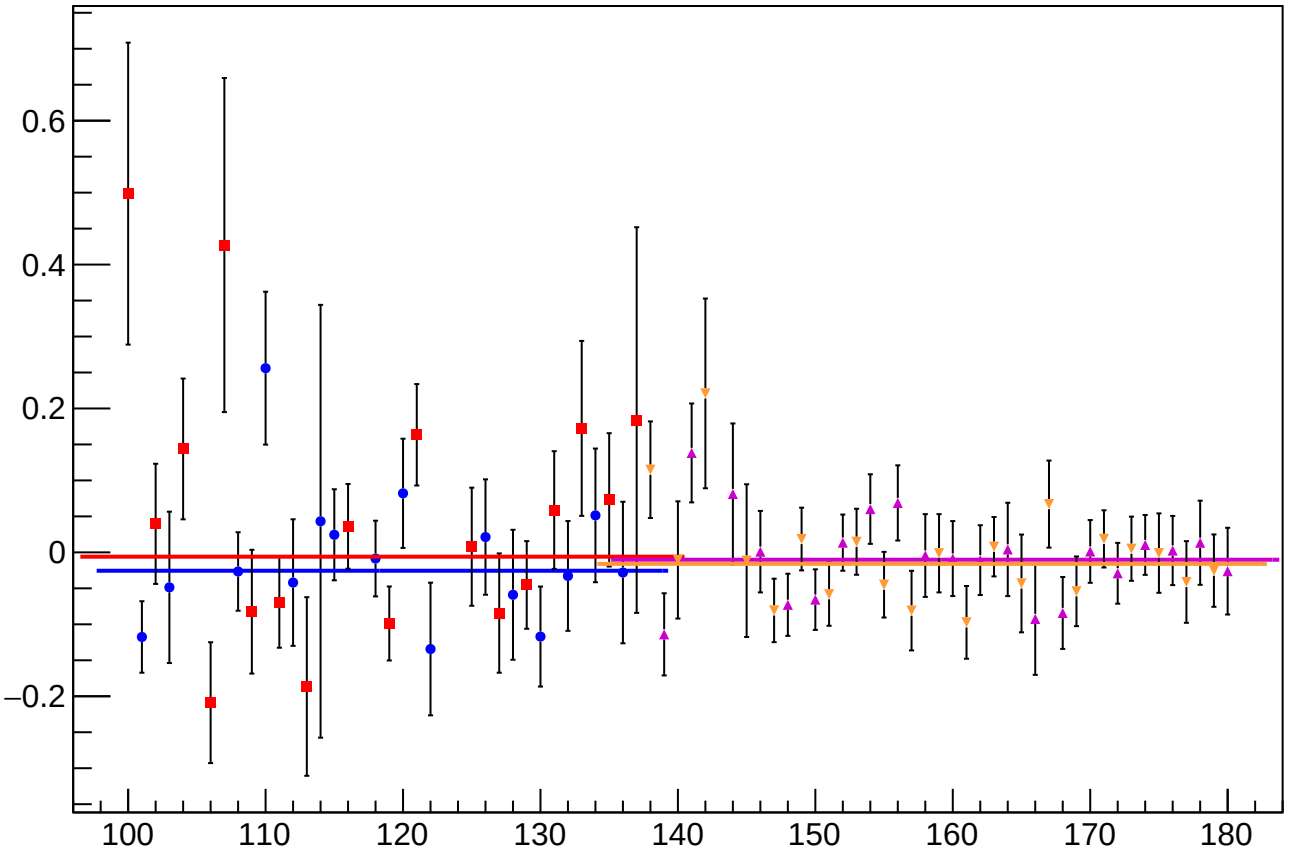
Left: 0.000+/-0.000 χ^2/NDF: 4448587.1/41

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:4598461.3/36

Out: 0.000+/-0.000 χ^2/NDF:3630871.1/38

All: 0.000+/-0.000 χ^2/NDF: 8265879.7/75



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.7/20

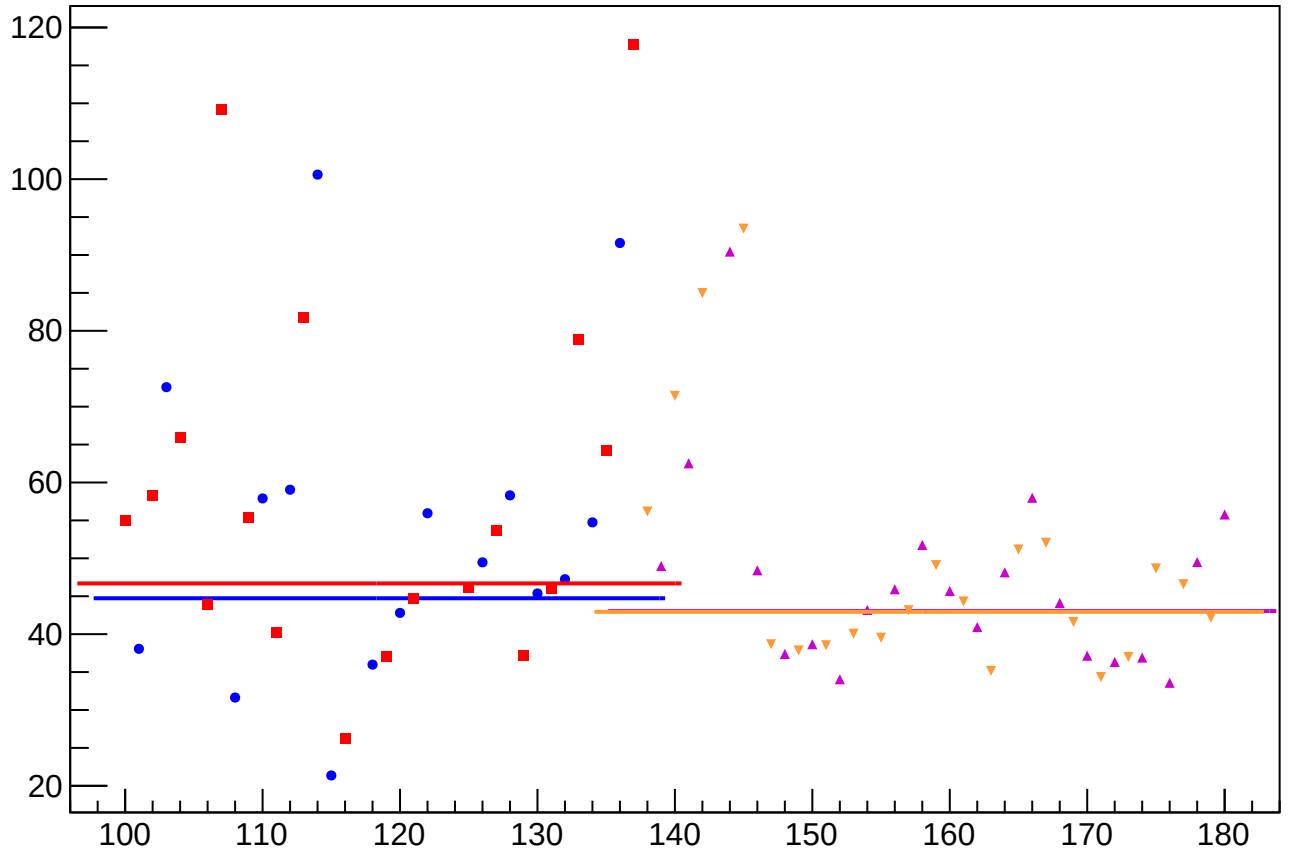
Left: -0.013+/-0.008 χ^2/NDF: 41.7/41

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/36

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.5/75



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

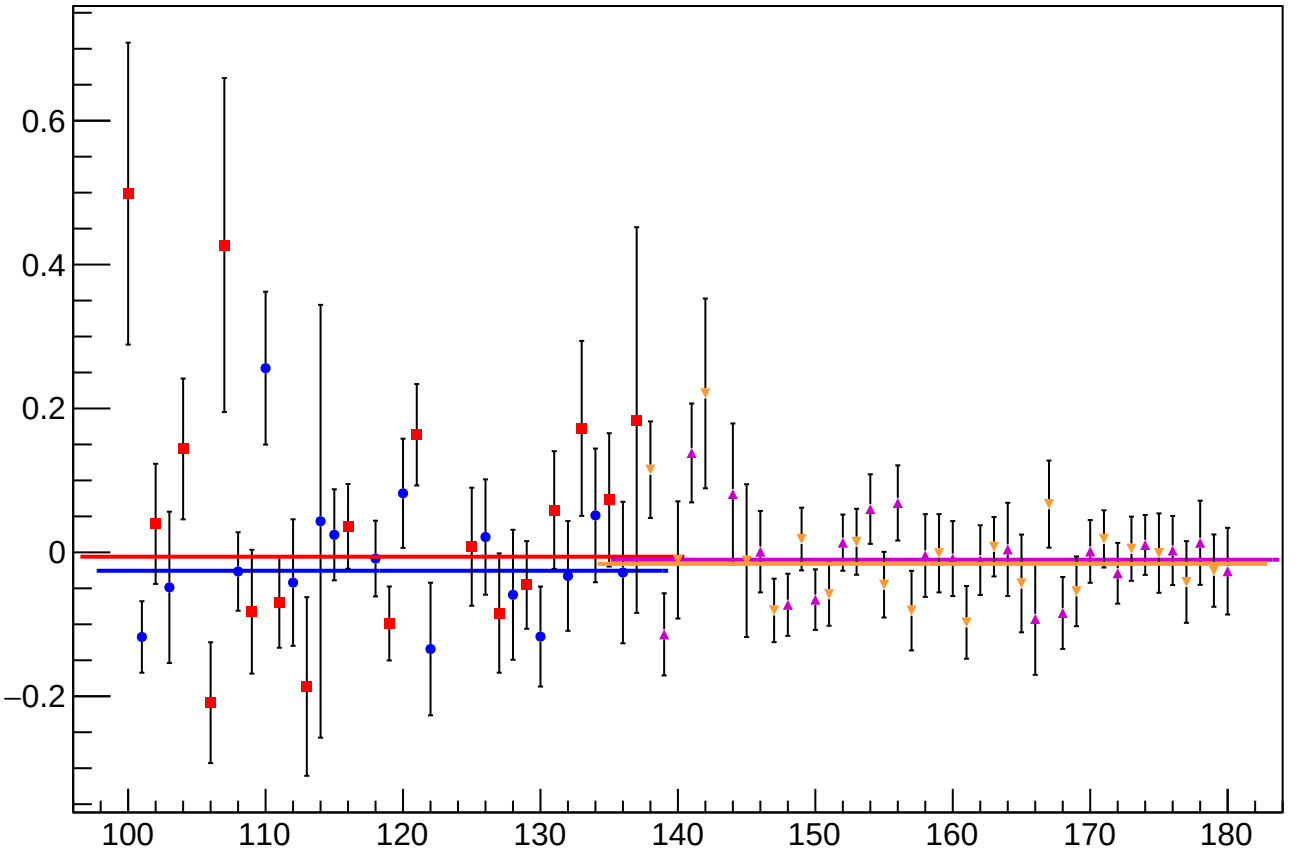
Left: 42.997+/-0.006 χ^2/NDF: 2697620.2/41

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.487+/-0.007 χ^2/NDF:2646132.2/36

Out: 43.901+/-0.007 χ^2/NDF:2648913.4/38

All: 43.689+/-0.005 χ^2/NDF: 5296865.6/75



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.7/20

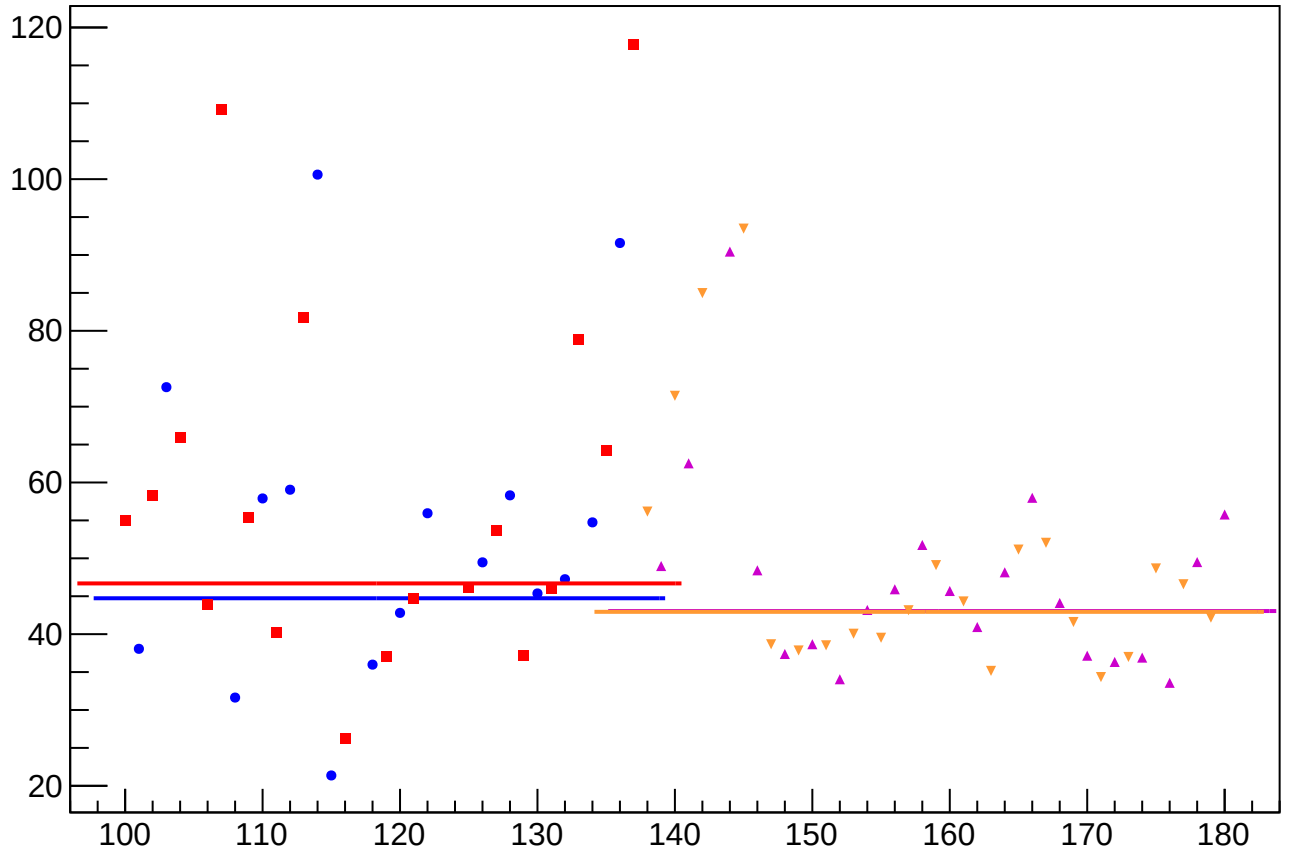
Left: -0.013+/-0.008 χ^2/NDF: 41.7/41

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/36

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.5/75



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.048+/-0.008 χ^2/NDF:1299665.5/20

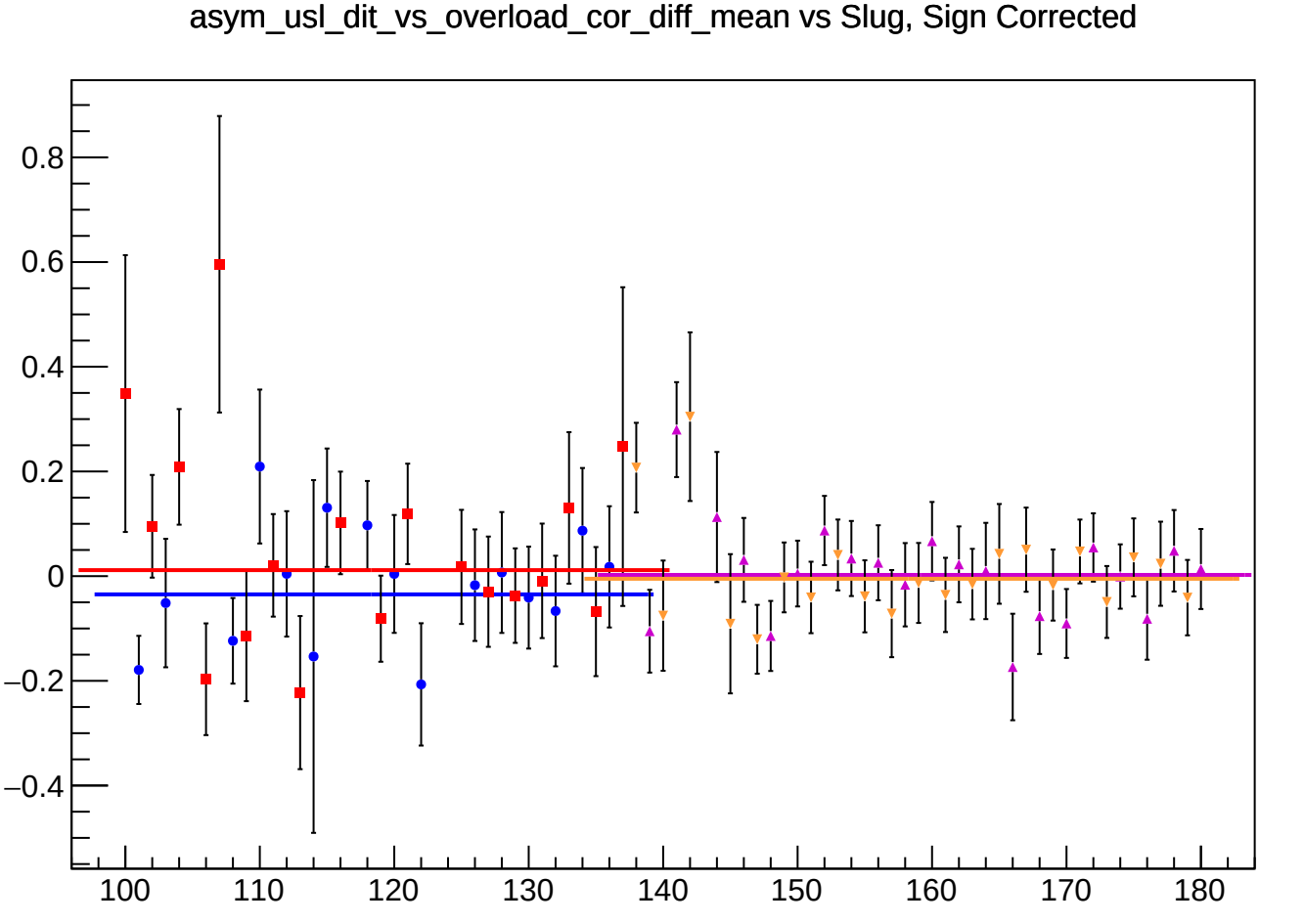
Left: 42.997+/-0.006 χ^2/NDF: 2697620.2/41

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.487+/-0.007 χ^2/NDF:2646132.2/36

Out: 43.901+/-0.007 χ^2/NDF:2648913.4/38

All: 43.689+/-0.005 χ^2/NDF: 5296865.6/75



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.002+/-0.016 χ^2/NDF:26.3/20

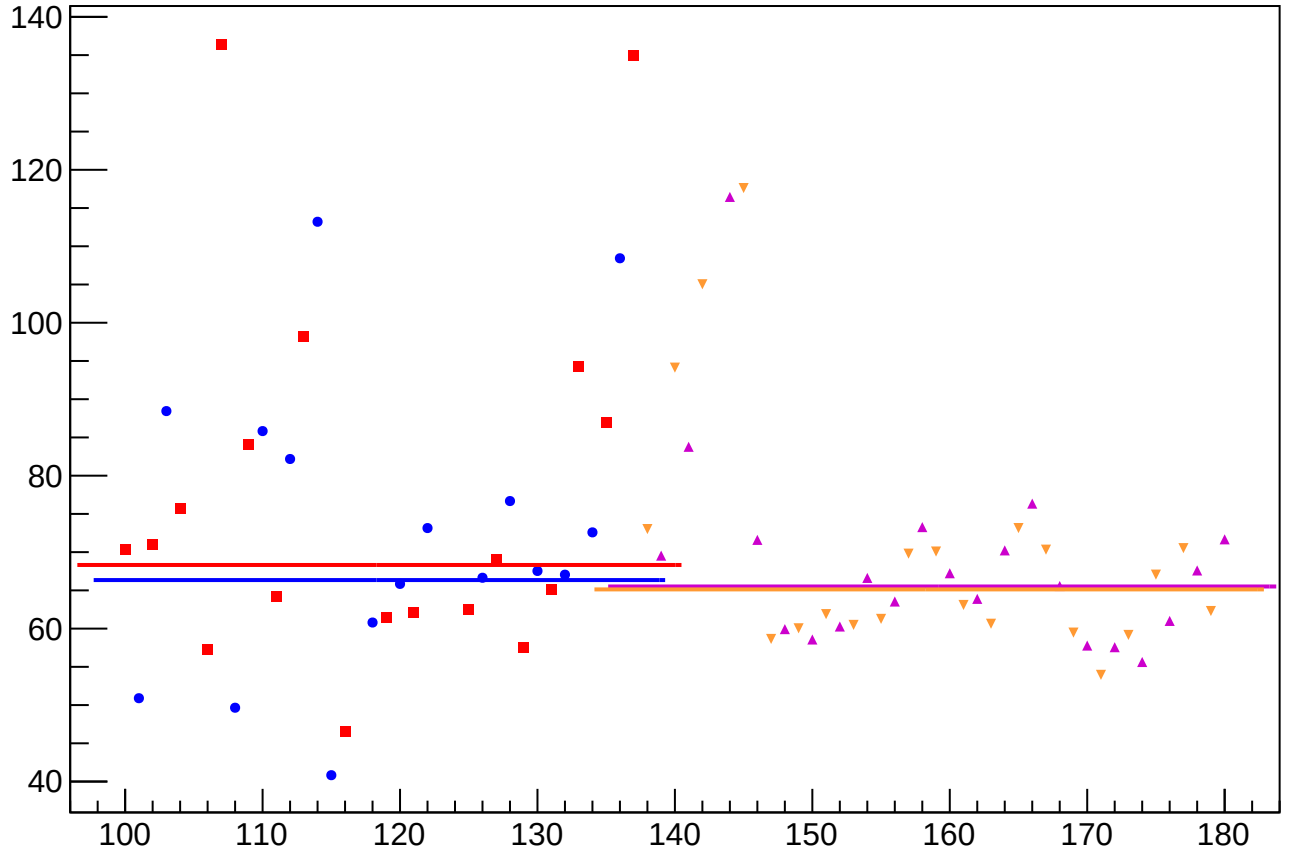
Left: -0.001+/-0.012 χ^2/NDF: 44.6/41

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.008+/-0.014 χ^2/NDF:45.2/36

Out: -0.000+/-0.014 χ^2/NDF:41.2/38

All: -0.004+/-0.010 χ^2/NDF: 86.6/75



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.126+/-0.012 χ^2/NDF:811345.0/20

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 65.509+/-0.012 χ^2/NDF:665682.8/20

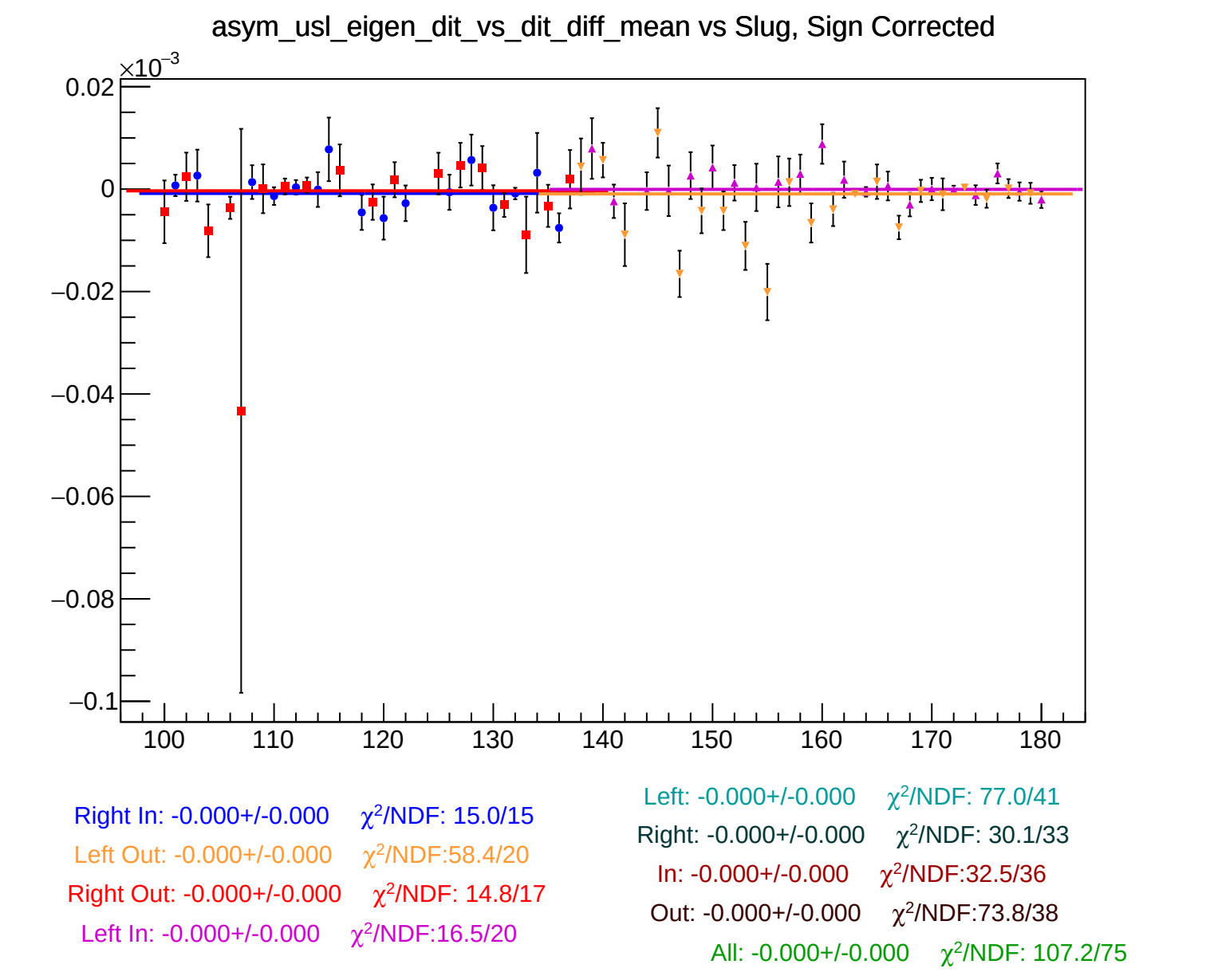
Left: 65.320+/-0.008 χ^2/NDF: 1477569.3/41

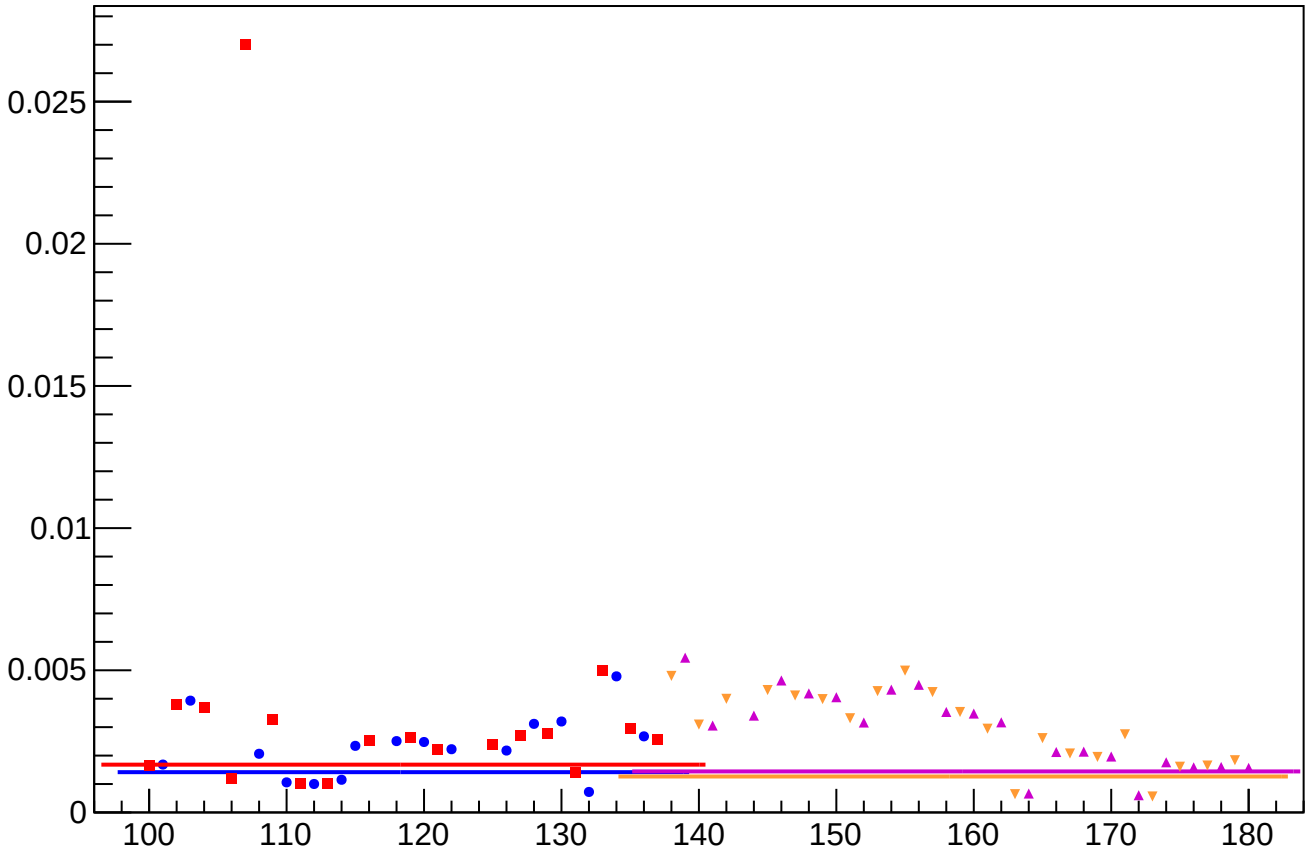
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.742+/-0.010 χ^2/NDF:1439810.8/36

Out: 66.004+/-0.010 χ^2/NDF:1461485.0/38

All: 65.871+/-0.007 χ^2/NDF: 2901647.3/75


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
180
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:58.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: -0.000+/-0.000 χ²/NDF:16.5/20
Left: -0.000+/-0.000 χ²/NDF: 77.0/41
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:32.5/36
Out: -0.000+/-0.000 χ²/NDF:73.8/38
All: -0.000+/-0.000 χ²/NDF: 107.2/75



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13525857.1/20

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:12006142.4/20

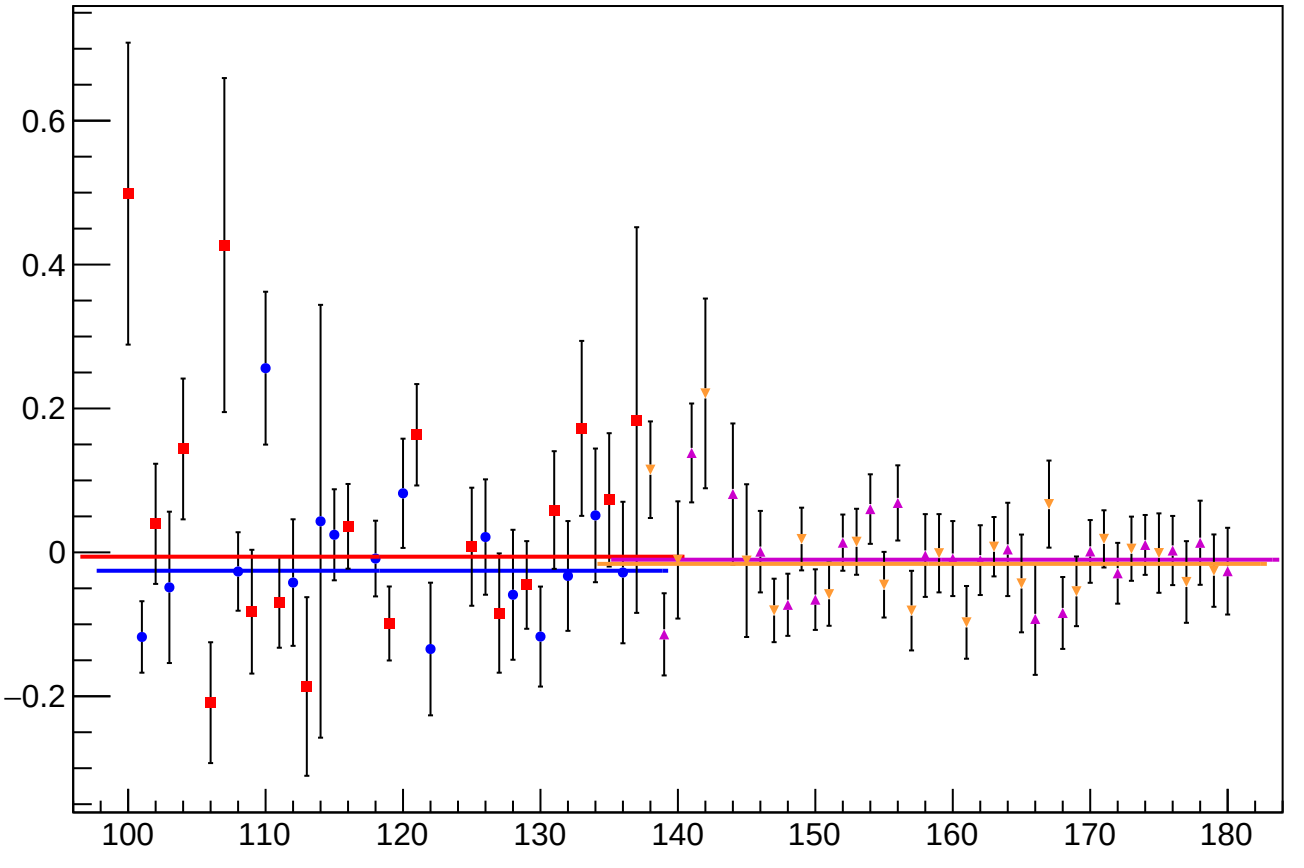
Left: 0.001+/-0.000 χ^2/NDF: 25707337.4/41

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:15555764.8/36

Out: 0.001+/-0.000 χ^2/NDF:17453354.8/38

All: 0.001+/-0.000 χ^2/NDF: 33045333.4/75



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.7/20

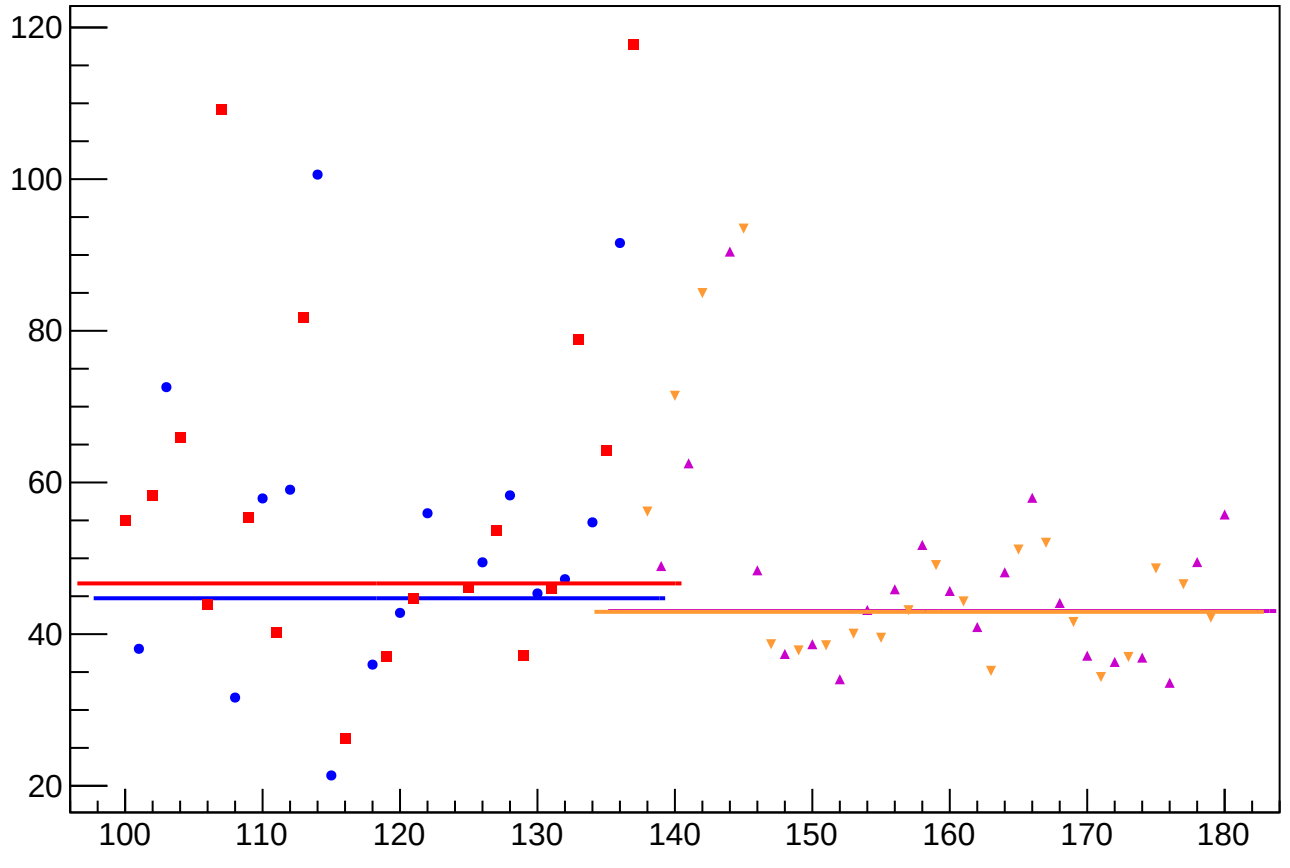
Left: -0.013+/-0.008 χ^2/NDF: 41.7/41

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/36

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.5/75



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

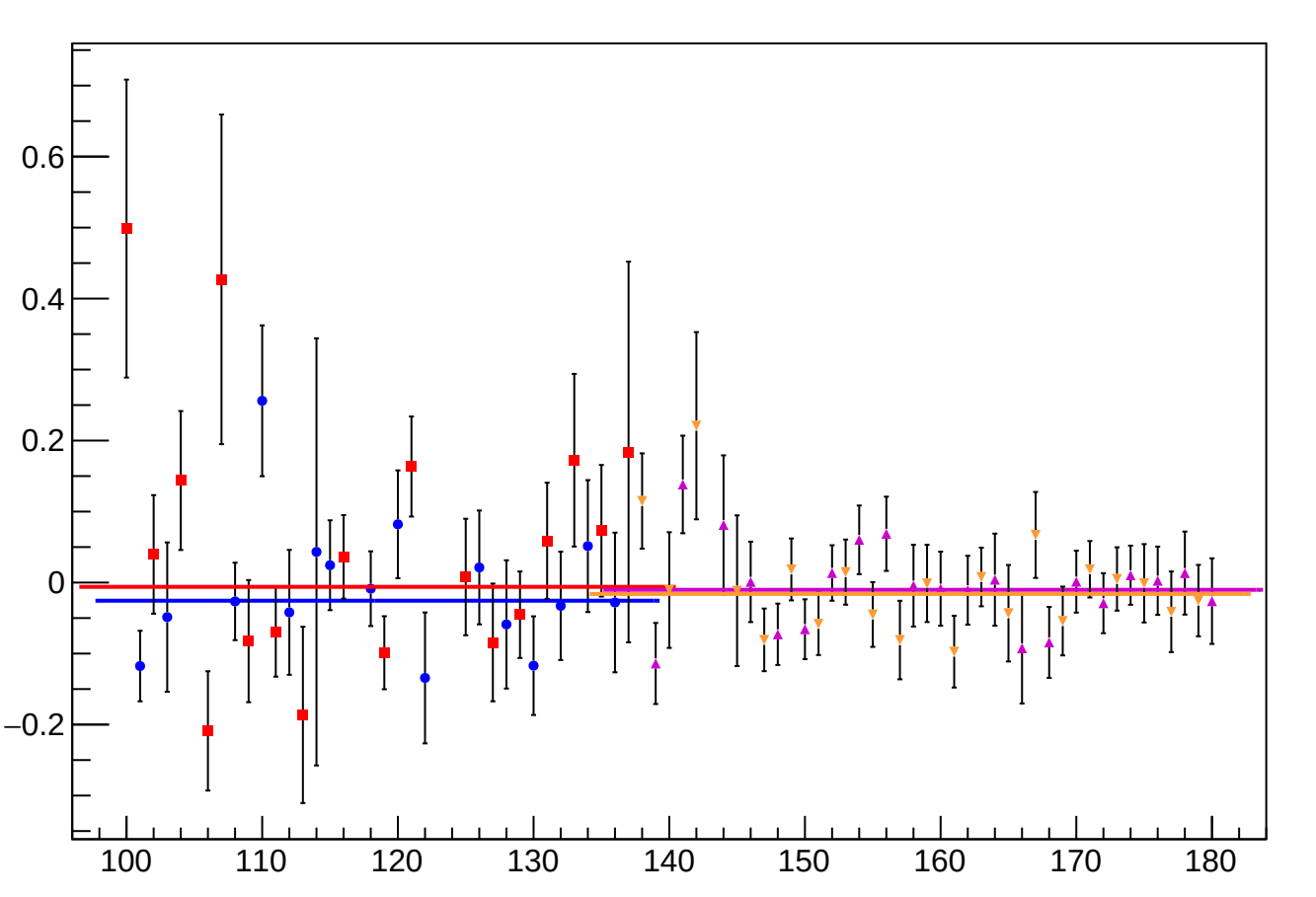
Left: 42.997+/-0.006 χ^2/NDF: 2697535.7/41

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.487+/-0.007 χ^2/NDF:2646123.9/36

Out: 43.900+/-0.007 χ^2/NDF:2648889.9/38

All: 43.689+/-0.005 χ^2/NDF: 5296832.7/75



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.7/20

Left: -0.013+/-0.008 χ^2/NDF: 41.7/41

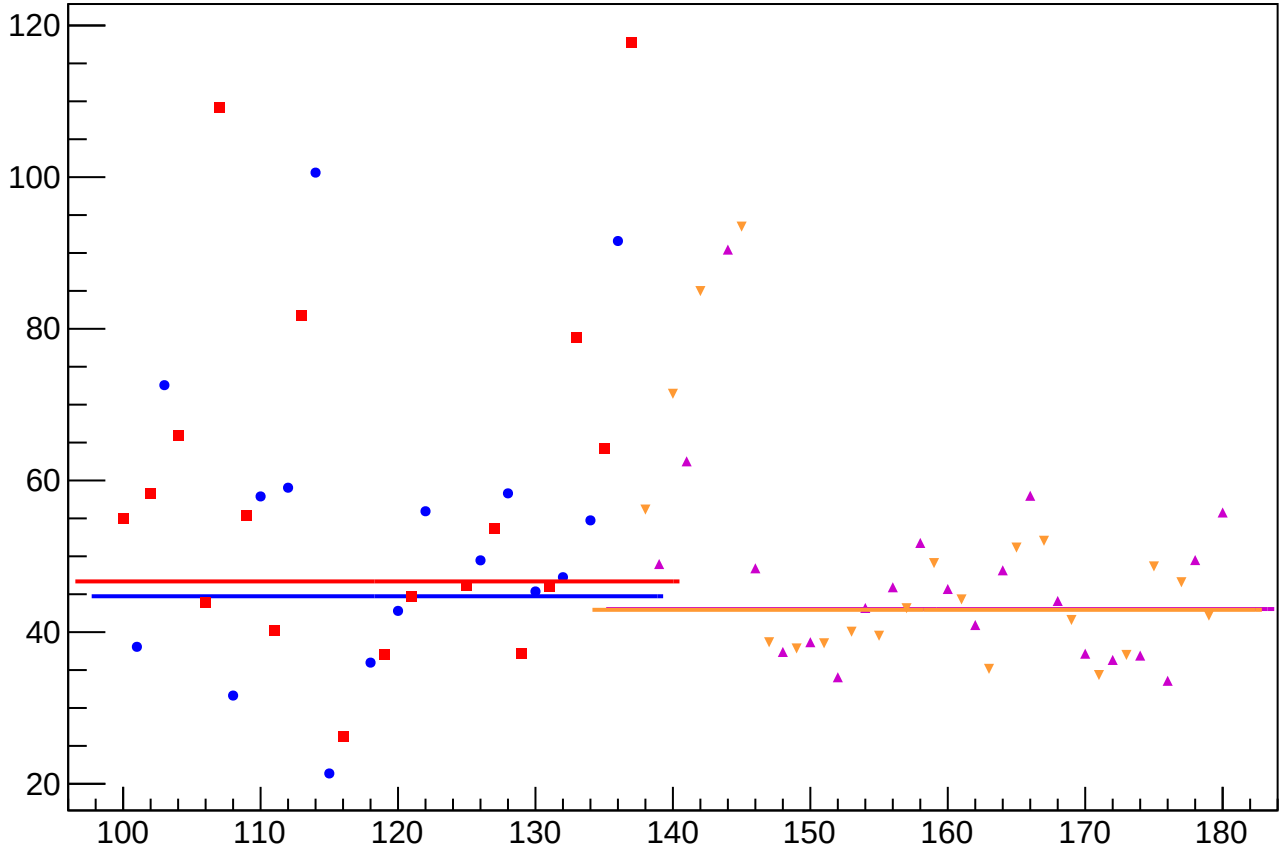
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/36

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.5/75

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.048+/-0.008 χ^2/NDF:1299612.8/20

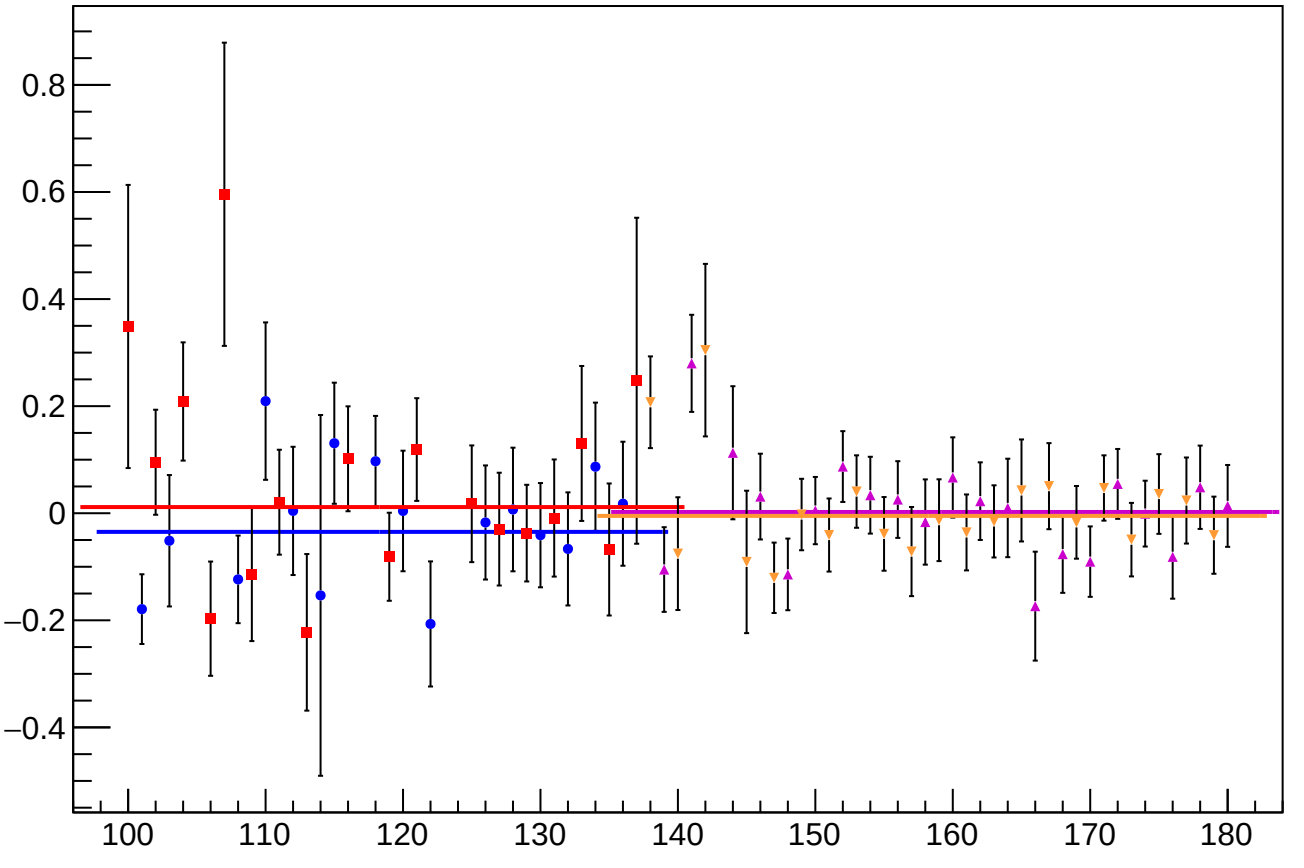
Left: 42.997+/-0.006 χ^2/NDF: 2697535.7/41

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.487+/-0.007 χ^2/NDF:2646123.9/36

Out: 43.900+/-0.007 χ^2/NDF:2648889.9/38

All: 43.689+/-0.005 χ^2/NDF: 5296832.7/75



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.002+/-0.016 χ^2/NDF:26.3/20

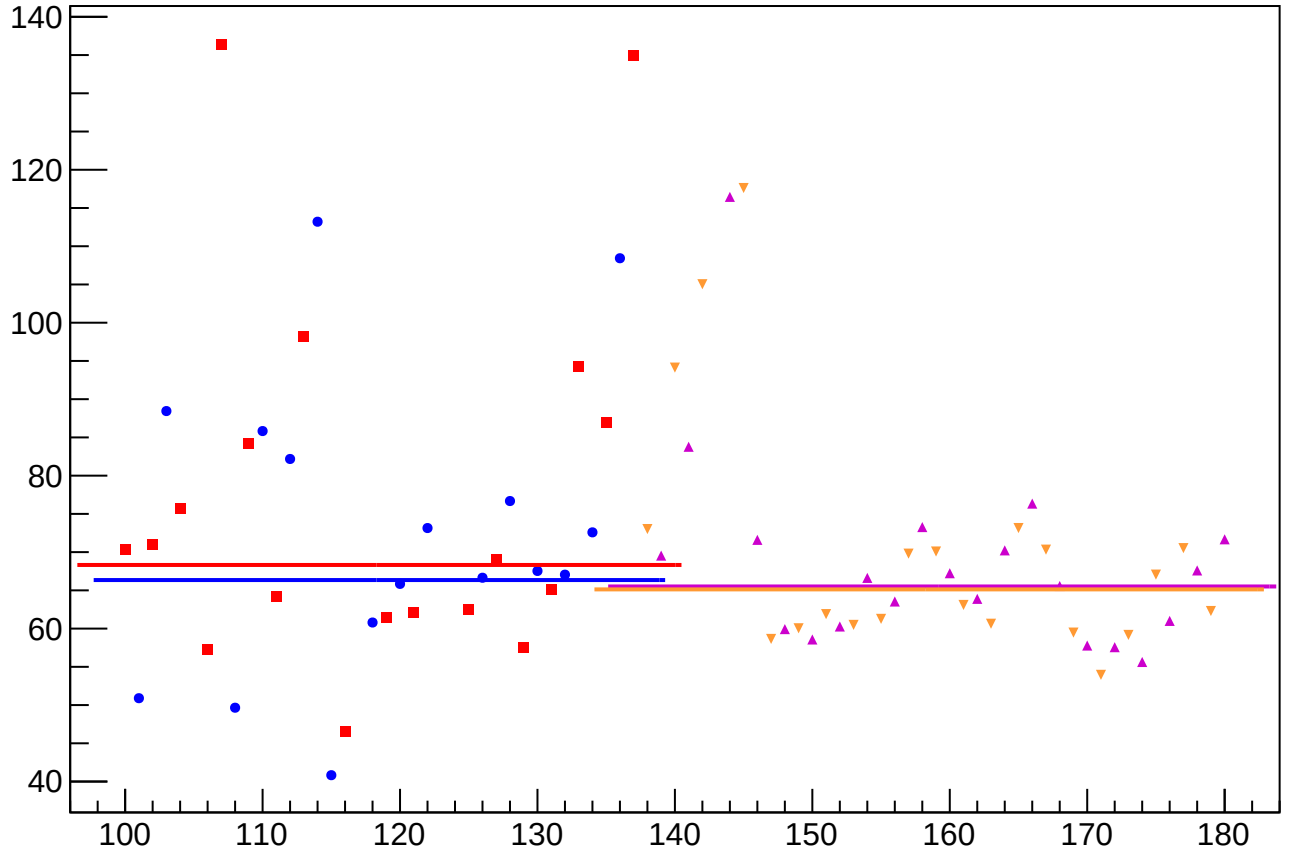
Left: -0.001+/-0.012 χ^2/NDF: 44.6/41

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.008+/-0.014 χ^2/NDF:45.2/36

Out: -0.000+/-0.014 χ^2/NDF:41.2/38

All: -0.004+/-0.010 χ^2/NDF: 86.6/75



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.126+/-0.012 χ^2/NDF:811333.2/20

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 65.509+/-0.012 χ^2/NDF:665673.9/20

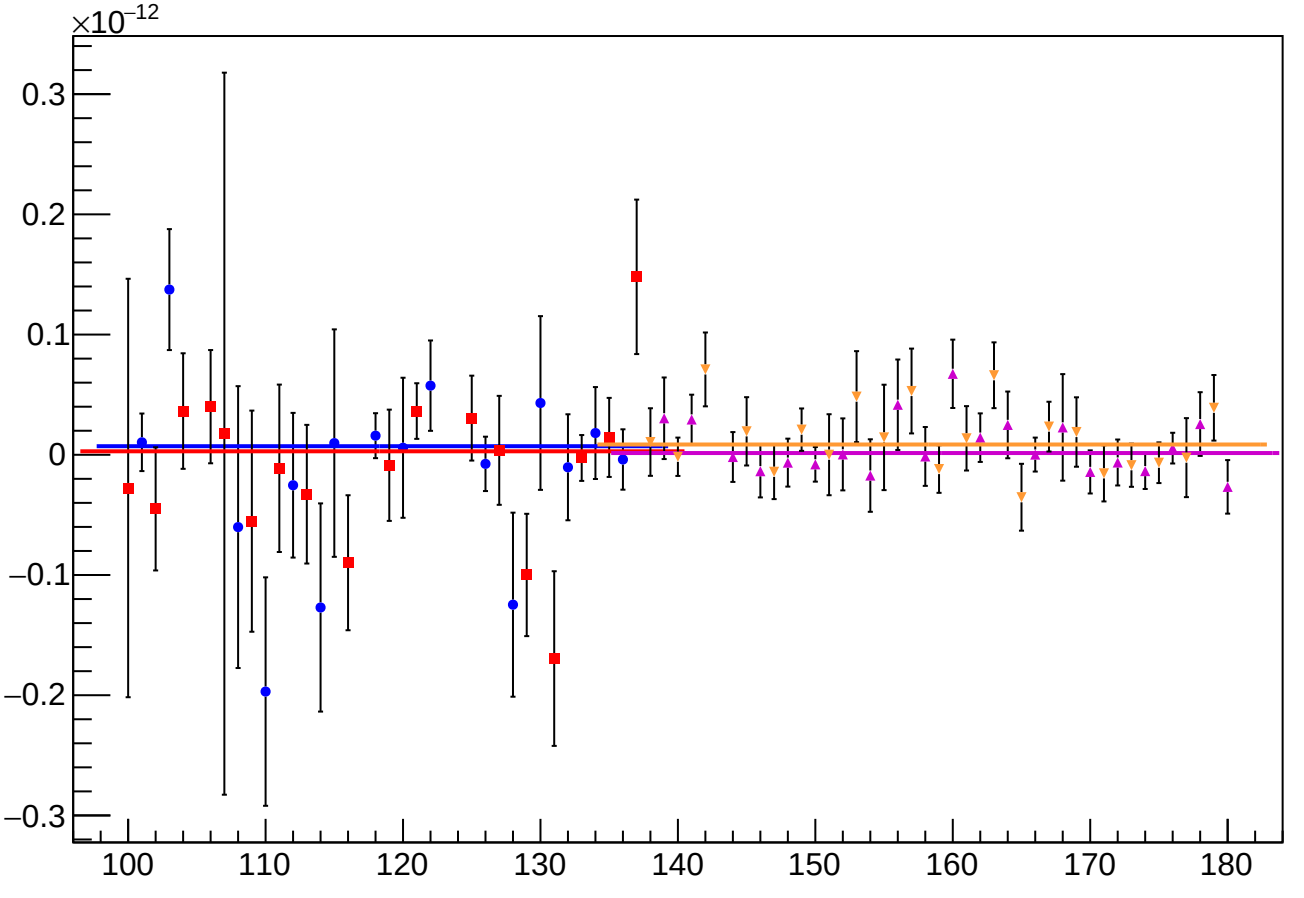
Left: 65.320+/-0.008 χ^2/NDF: 1477548.9/41

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.742+/-0.010 χ^2/NDF:1439806.8/36

Out: 66.004+/-0.010 χ^2/NDF:1461459.2/38

All: 65.871+/-0.007 χ^2/NDF: 2901617.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:16.4/20

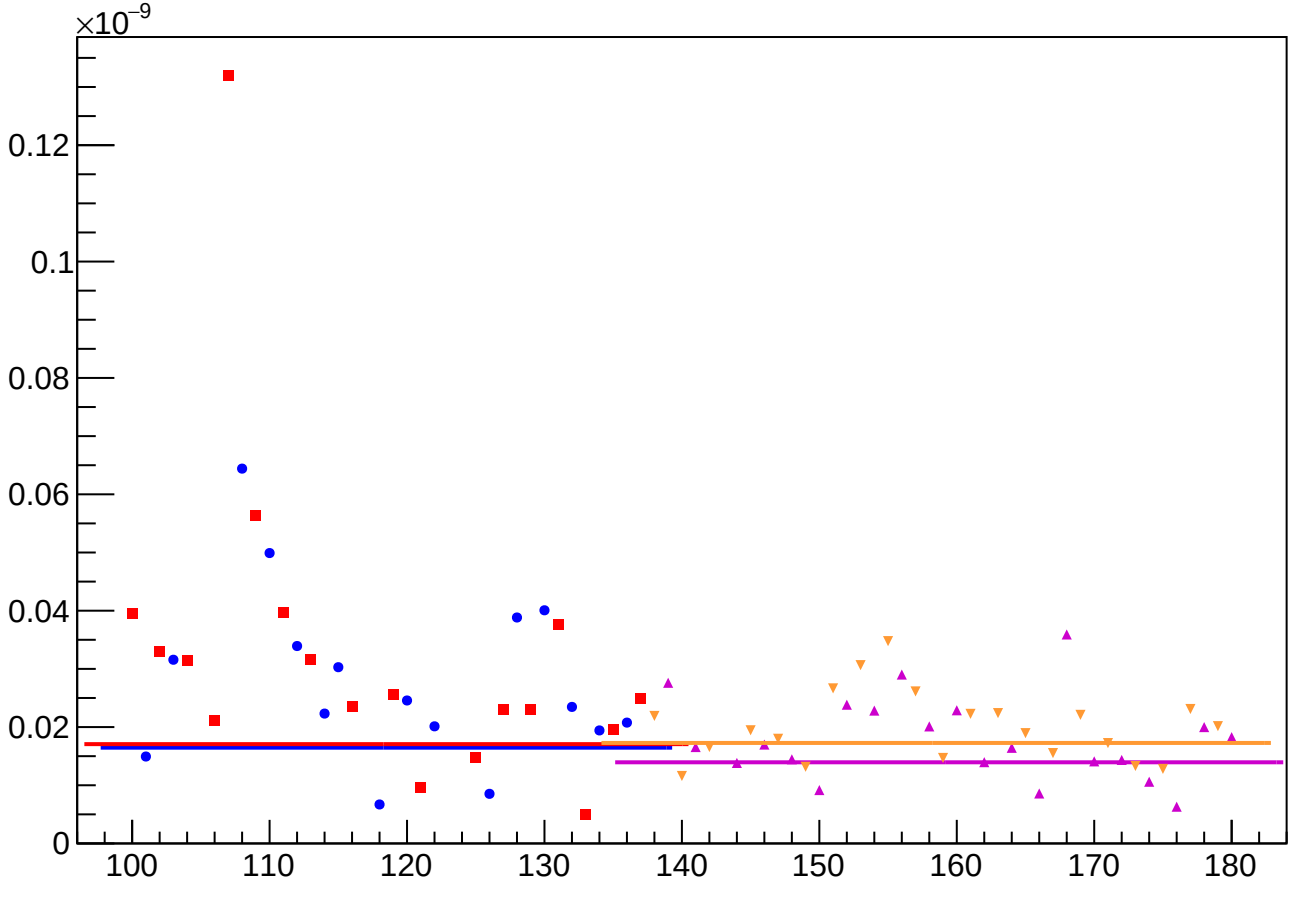
Left: 0.000+/-0.000 χ^2/NDF: 39.2/41

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:37.2/36

Out: 0.000+/-0.000 χ^2/NDF:45.4/38

All: 0.000+/-0.000 χ^2/NDF: 83.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1852288.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3446171.3/20

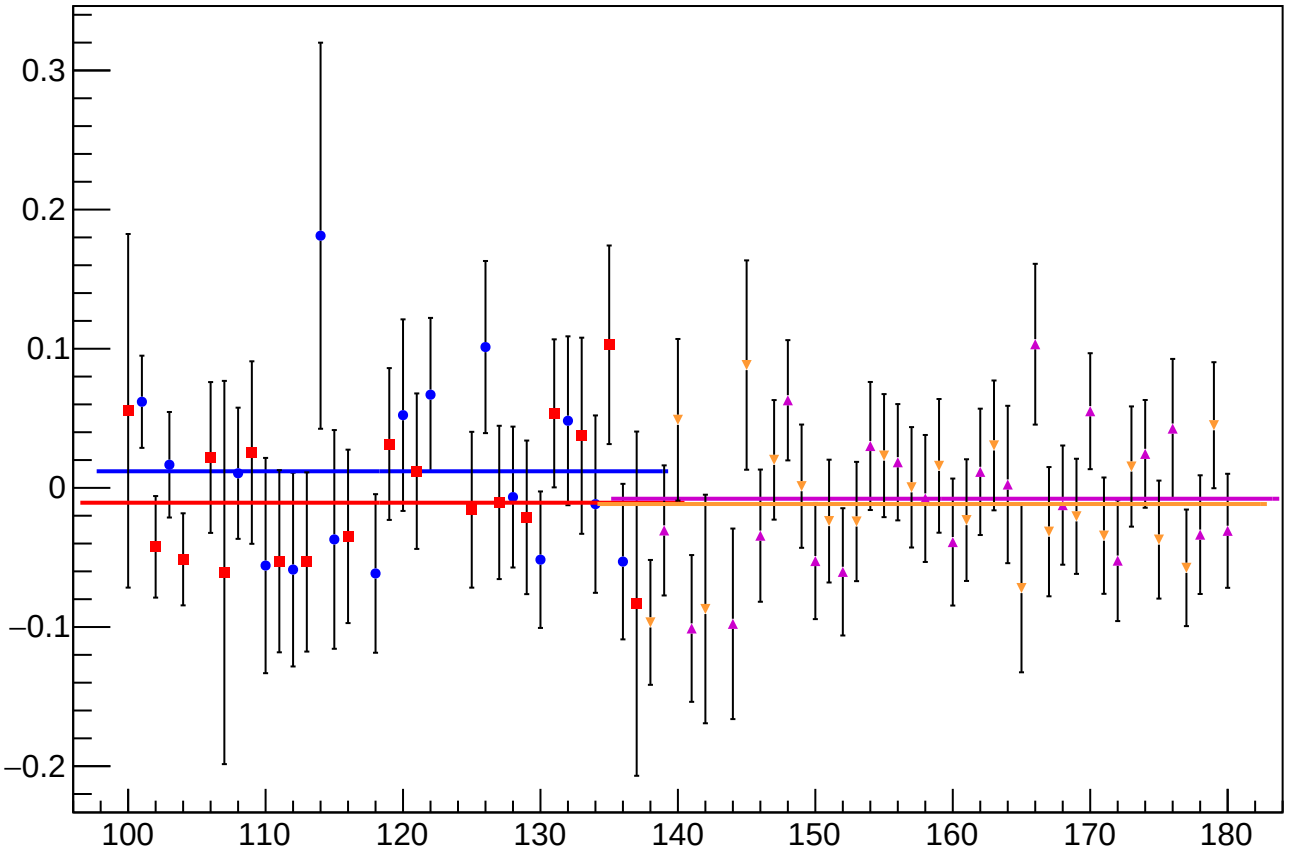
Left: 0.000+/-0.000 χ^2/NDF: 5764699.0/41

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:5912937.2/36

Out: 0.000+/-0.000 χ^2/NDF:4644324.4/38

All: 0.000+/-0.000 χ^2/NDF: 10975000.8/75



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.008+/-0.010 χ^2/NDF:21.7/20

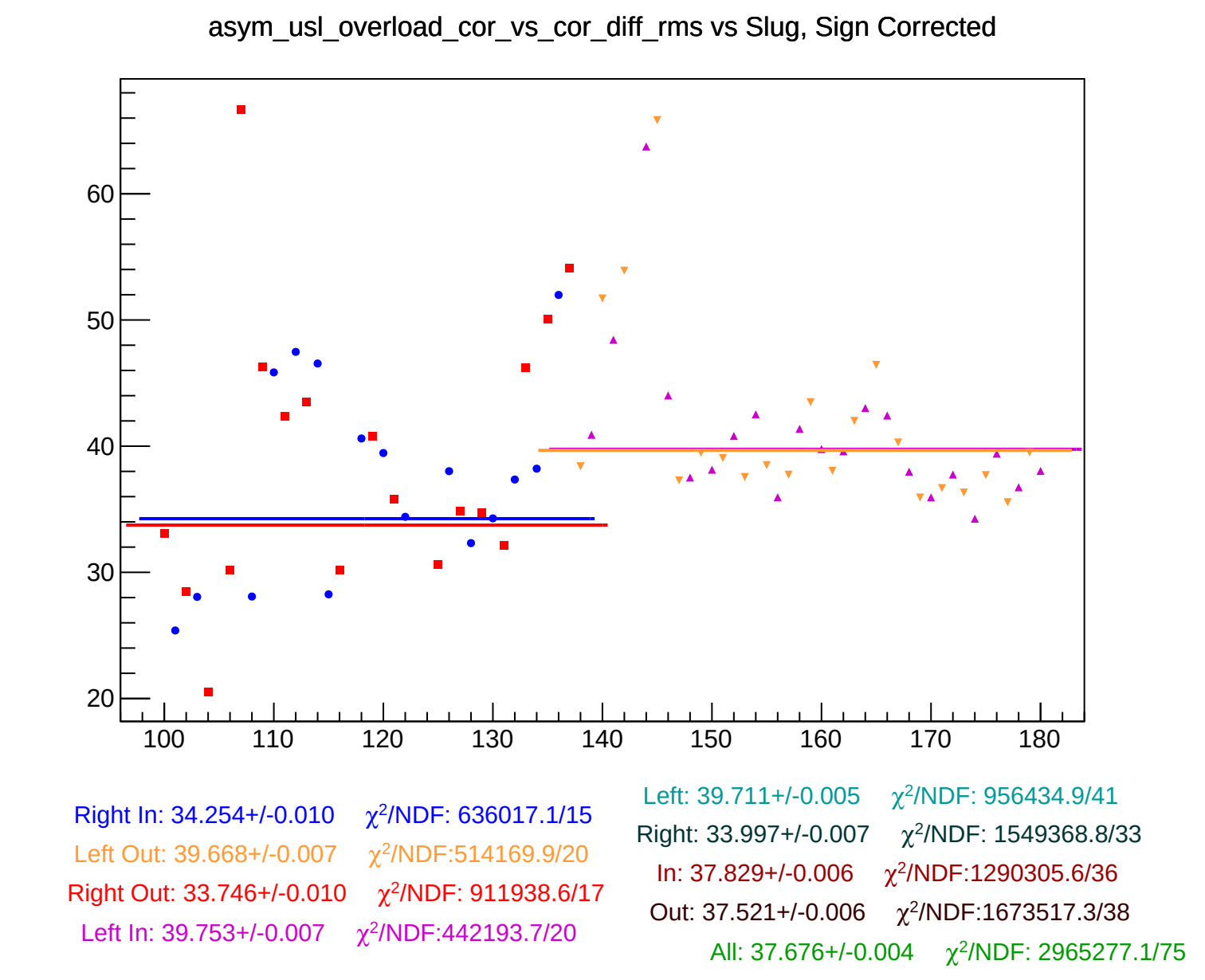
Left: -0.010+/-0.007 χ^2/NDF: 36.8/41

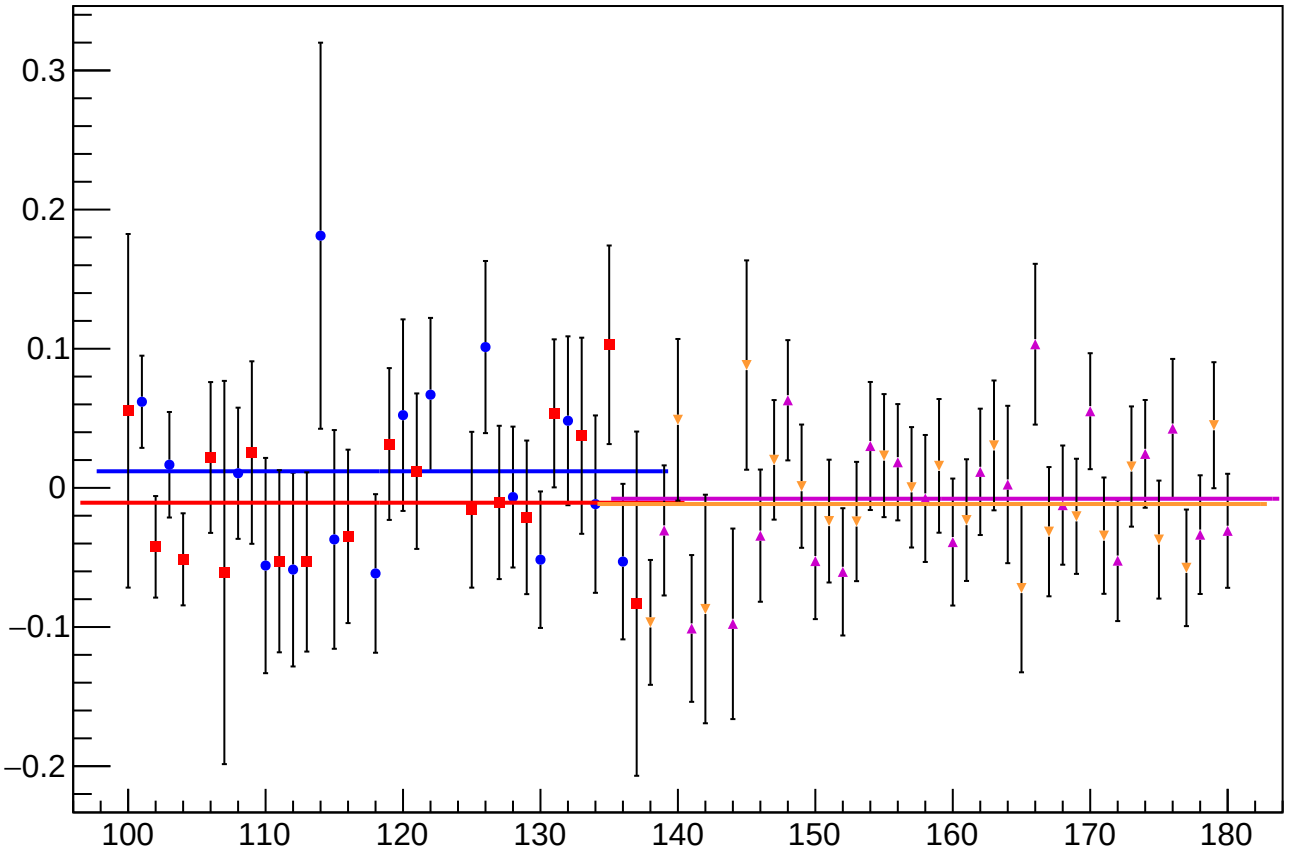
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.001+/-0.008 χ^2/NDF:37.8/36

Out: -0.011+/-0.008 χ^2/NDF:25.0/38

All: -0.006+/-0.006 χ^2/NDF: 63.6/75


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 39.668+/-0.007 χ²/NDF:514169.9/20
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 39.753+/-0.007 χ²/NDF:442193.7/20
Left: 39.711+/-0.005 χ²/NDF: 956434.9/41
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.829+/-0.006 χ²/NDF:1290305.6/36
Out: 37.521+/-0.006 χ²/NDF:1673517.3/38
All: 37.676+/-0.004 χ²/NDF: 2965277.1/75



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.008+/-0.010 χ^2/NDF:21.7/20

Left: -0.010+/-0.007 χ^2/NDF: 36.8/41

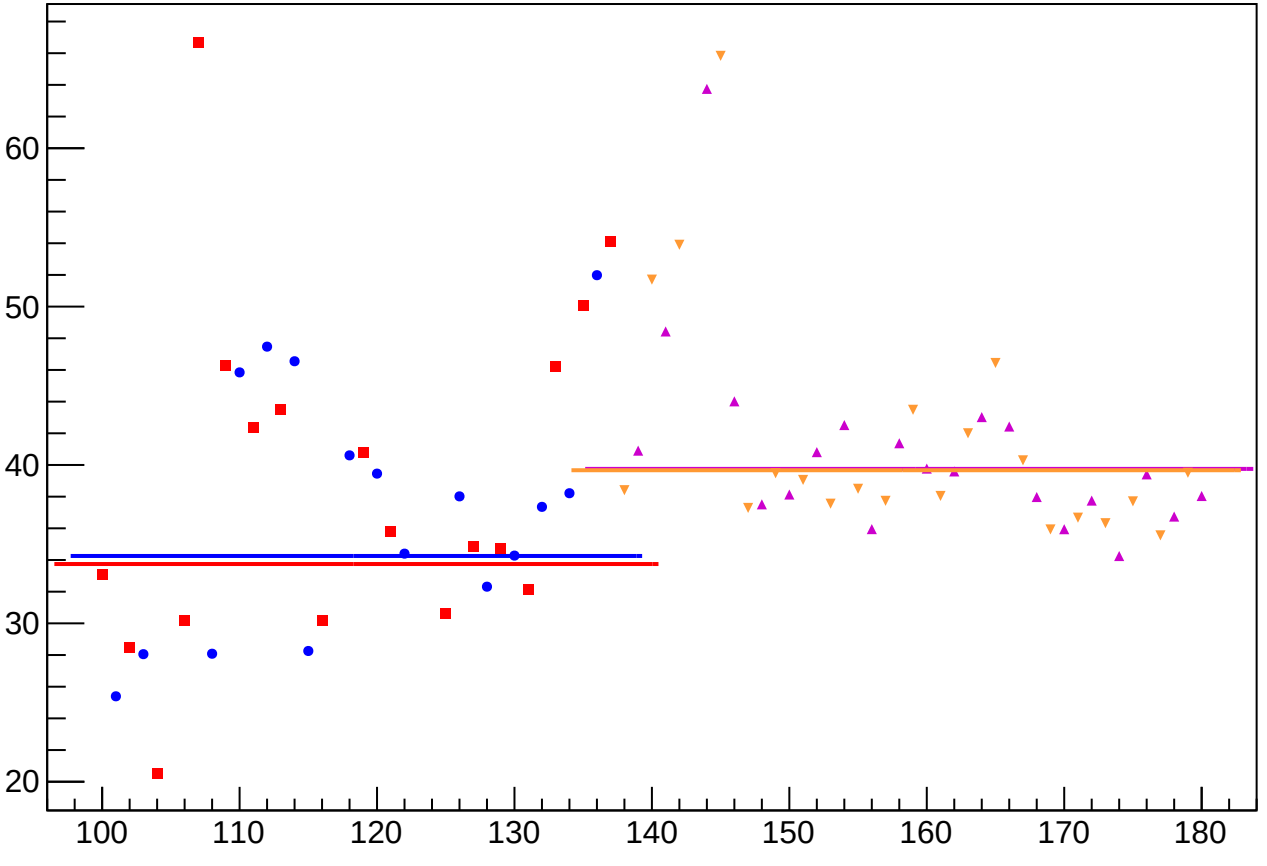
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.001+/-0.008 χ^2/NDF:37.8/36

Out: -0.011+/-0.008 χ^2/NDF:25.0/38

All: -0.006+/-0.006 χ^2/NDF: 63.6/75

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: 39.668+/-0.007 χ^2/NDF:514169.9/20

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.753+/-0.007 χ^2/NDF:442193.7/20

Left: 39.711+/-0.005 χ^2/NDF: 956434.9/41

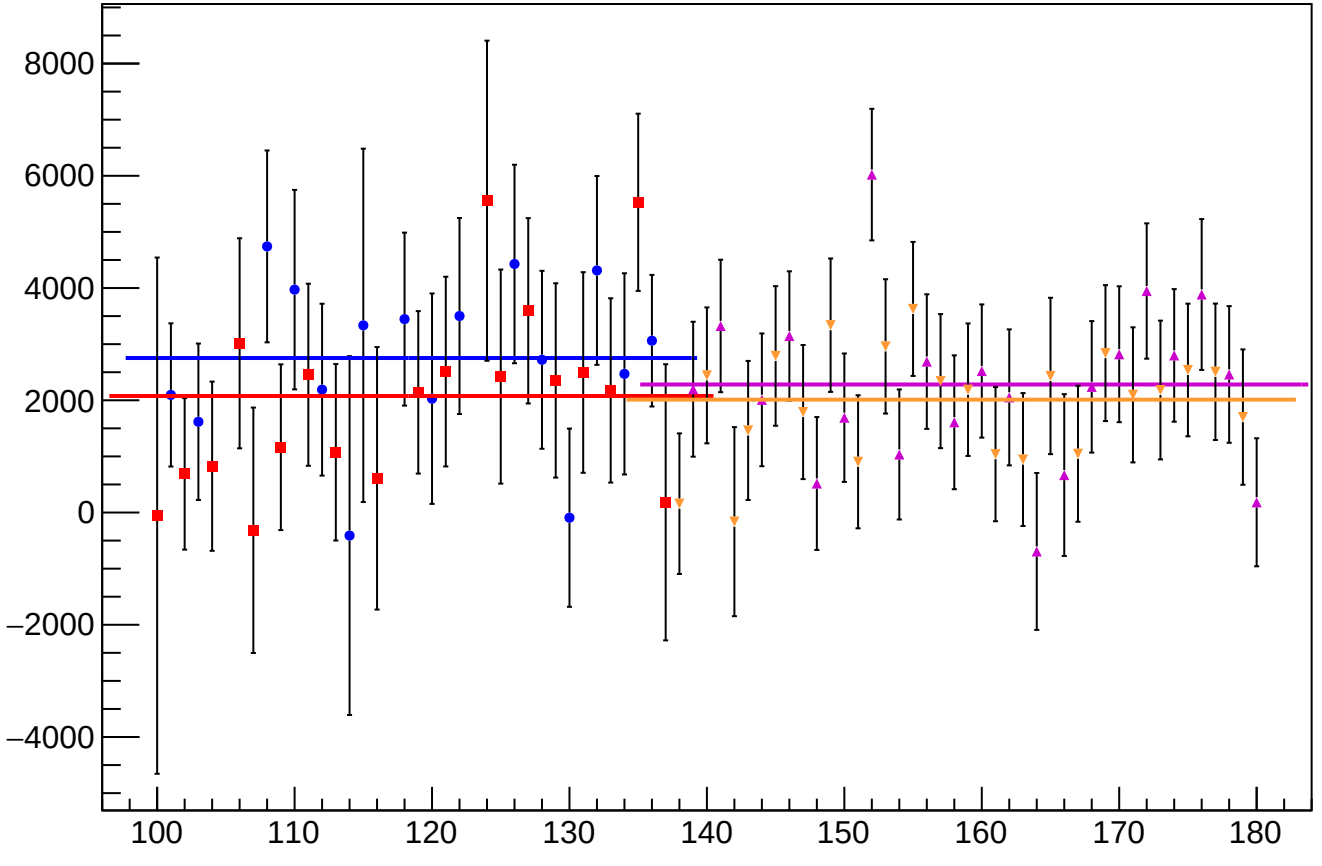
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.829+/-0.006 χ^2/NDF:1290305.6/36

Out: 37.521+/-0.006 χ^2/NDF:1673517.3/38

All: 37.676+/-0.004 χ^2/NDF: 2965277.1/75

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2281.602+/-263.333 χ^2/NDF:28.6/20

Left: 2145.546+/-185.556 χ^2/NDF: 41.6/42

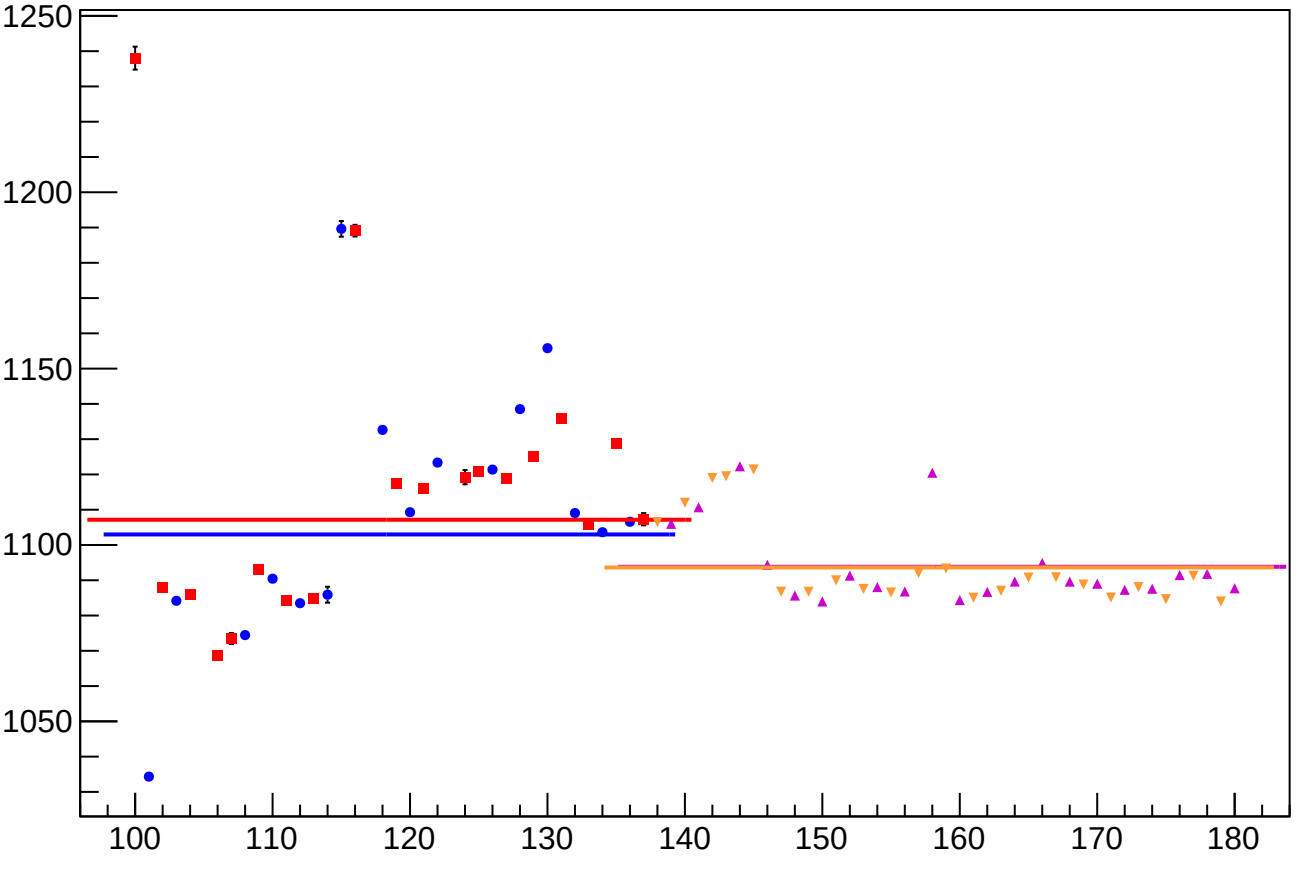
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2419.384+/-221.543 χ^2/NDF:39.1/36

Out: 2030.605+/-219.498 χ^2/NDF:25.0/40

All: 2223.192+/-155.927 χ^2/NDF: 65.6/77

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

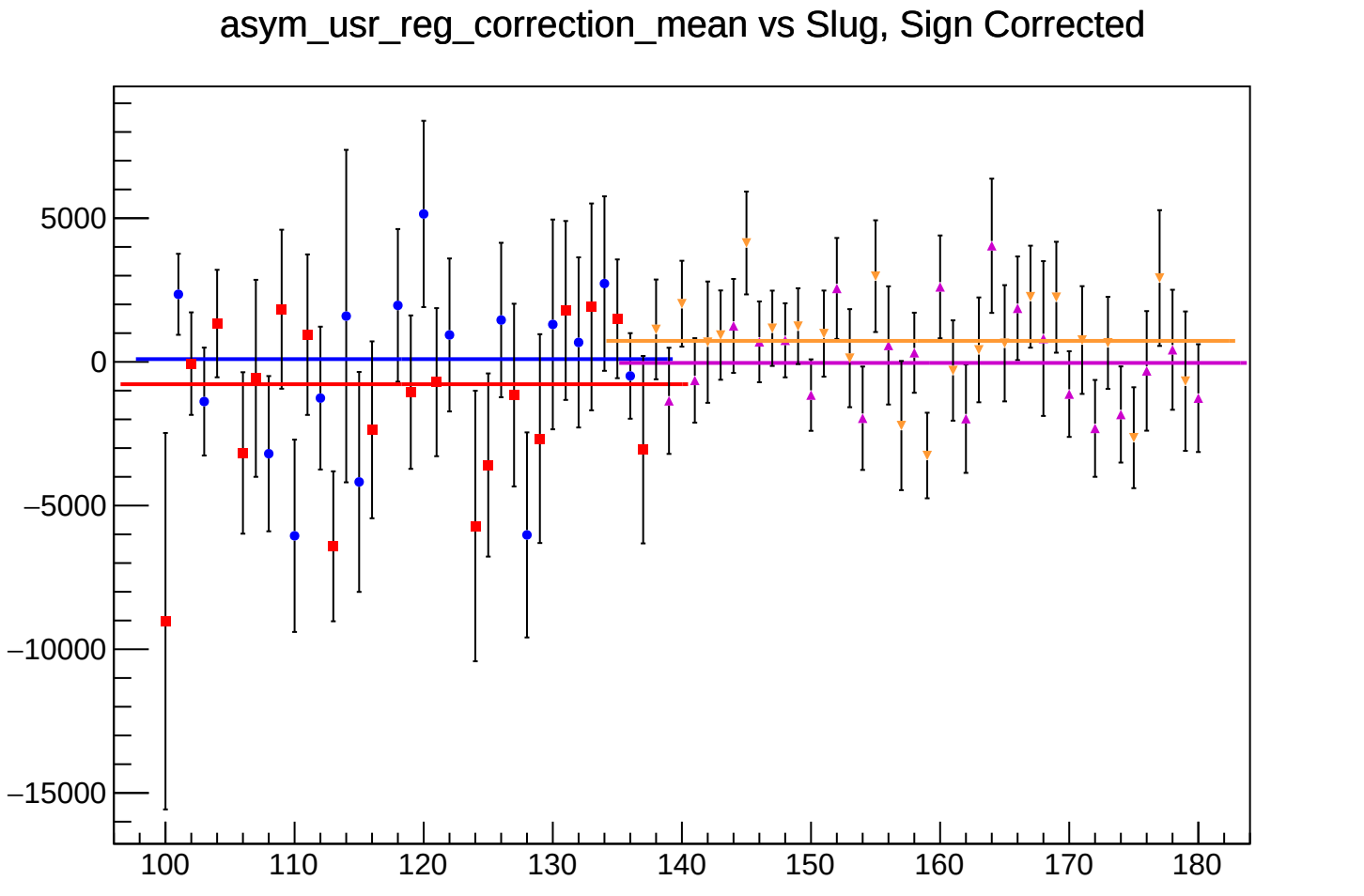
Left: 1093.723+/-0.131 χ^2/NDF: 7475.5/42

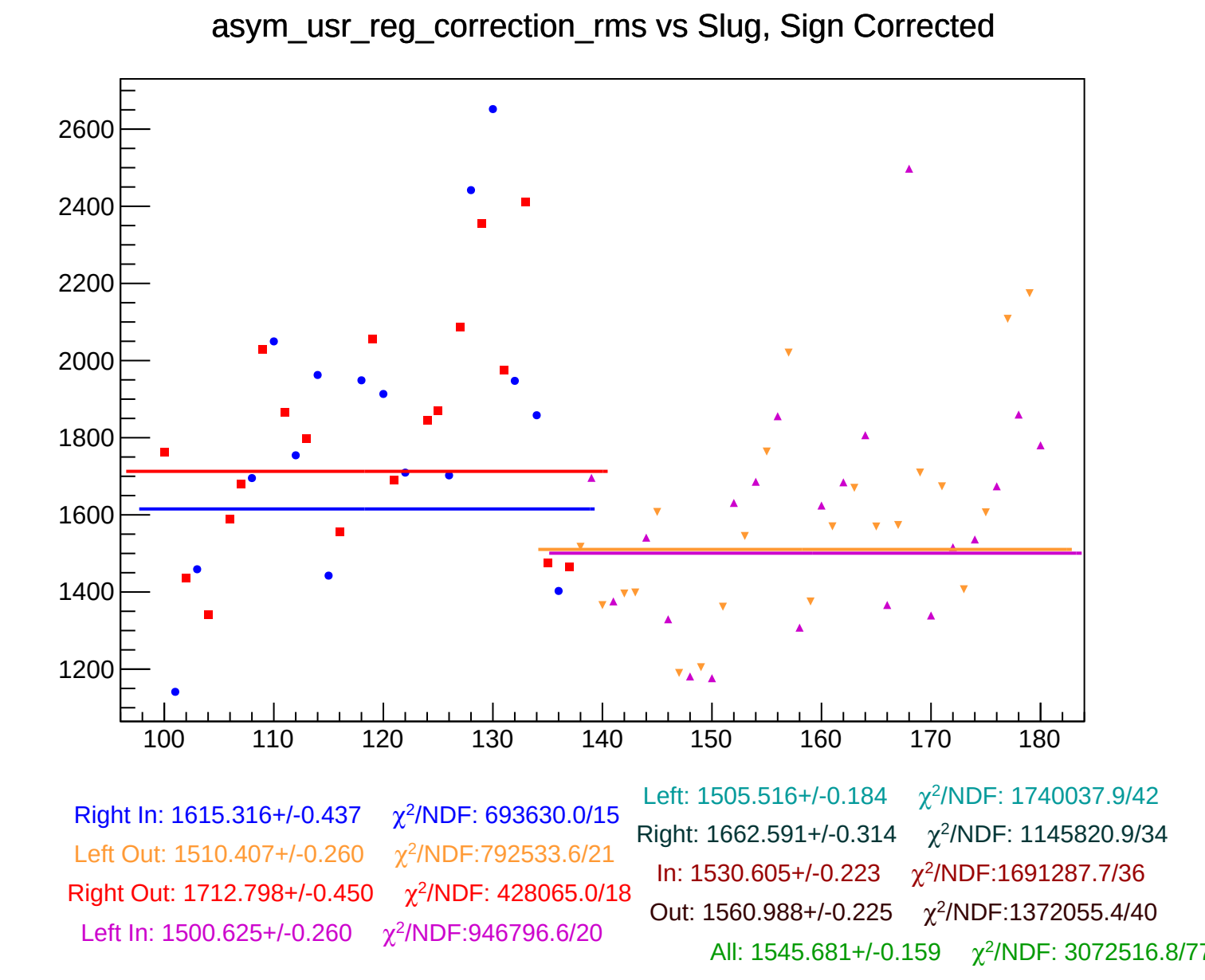
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.500+/-0.157 χ^2/NDF:17530.9/36

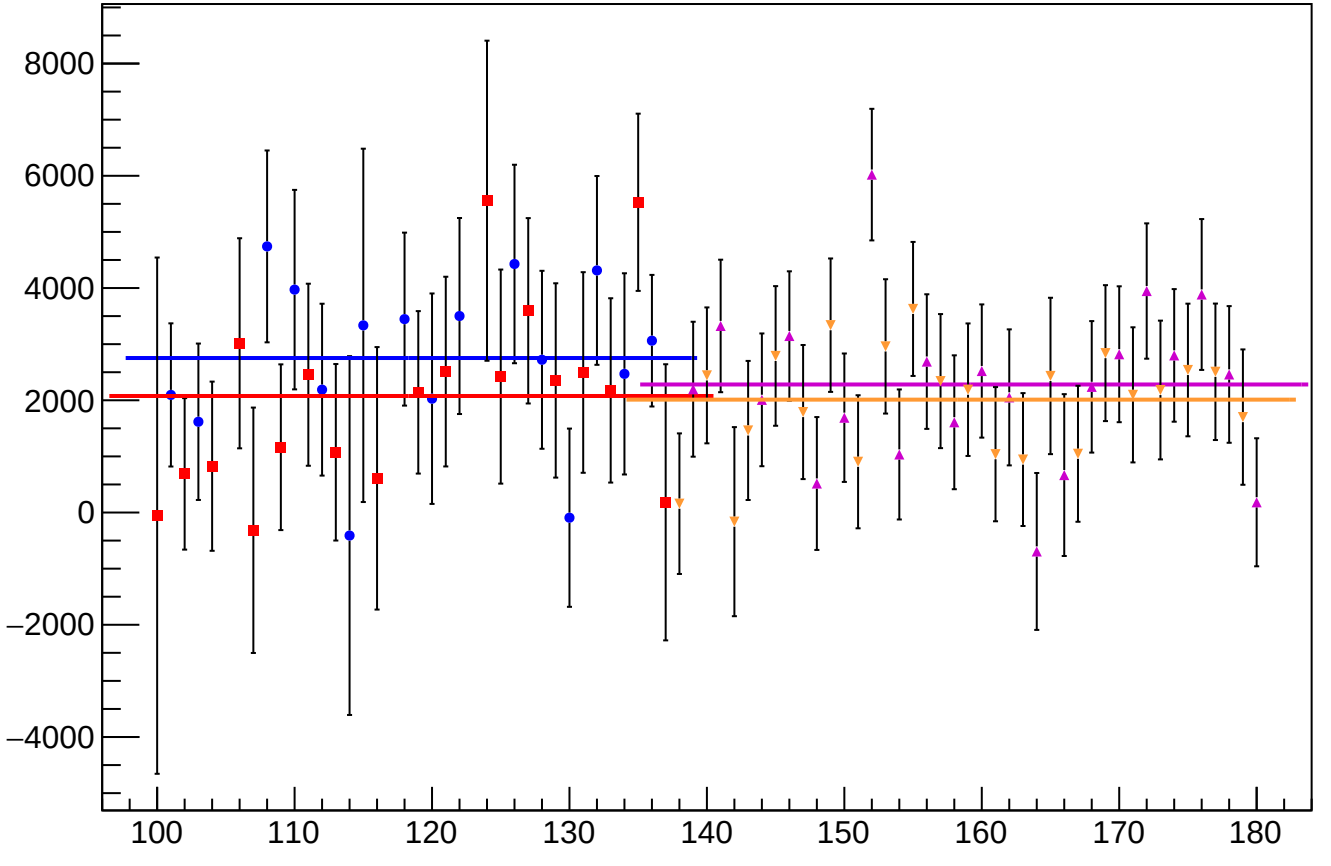
Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 731.080+/-367.673 χ²/NDF:21.7/21
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: -36.773+/-367.704 χ²/NDF:17.7/20
Left: 347.186+/-259.995 χ²/NDF: 41.6/42
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: -2.078+/-316.012 χ²/NDF:34.7/36
Out: 354.184+/-318.431 χ²/NDF:41.0/40
All: 174.694+/-224.305 χ²/NDF: 76.3/77


asym_usr_reg_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1510.407+/-0.260 χ²/NDF:792533.6/21
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1500.625+/-0.260 χ²/NDF:946796.6/20
Left: 1505.516+/-0.184 χ²/NDF: 1740037.9/42
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1530.605+/-0.223 χ²/NDF:1691287.7/36
Out: 1560.988+/-0.225 χ²/NDF:1372055.4/40
All: 1545.681+/-0.159 χ²/NDF: 3072516.8/77

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2281.602+/-263.333 χ^2/NDF:28.6/20

Left: 2145.546+/-185.556 χ^2/NDF: 41.6/42

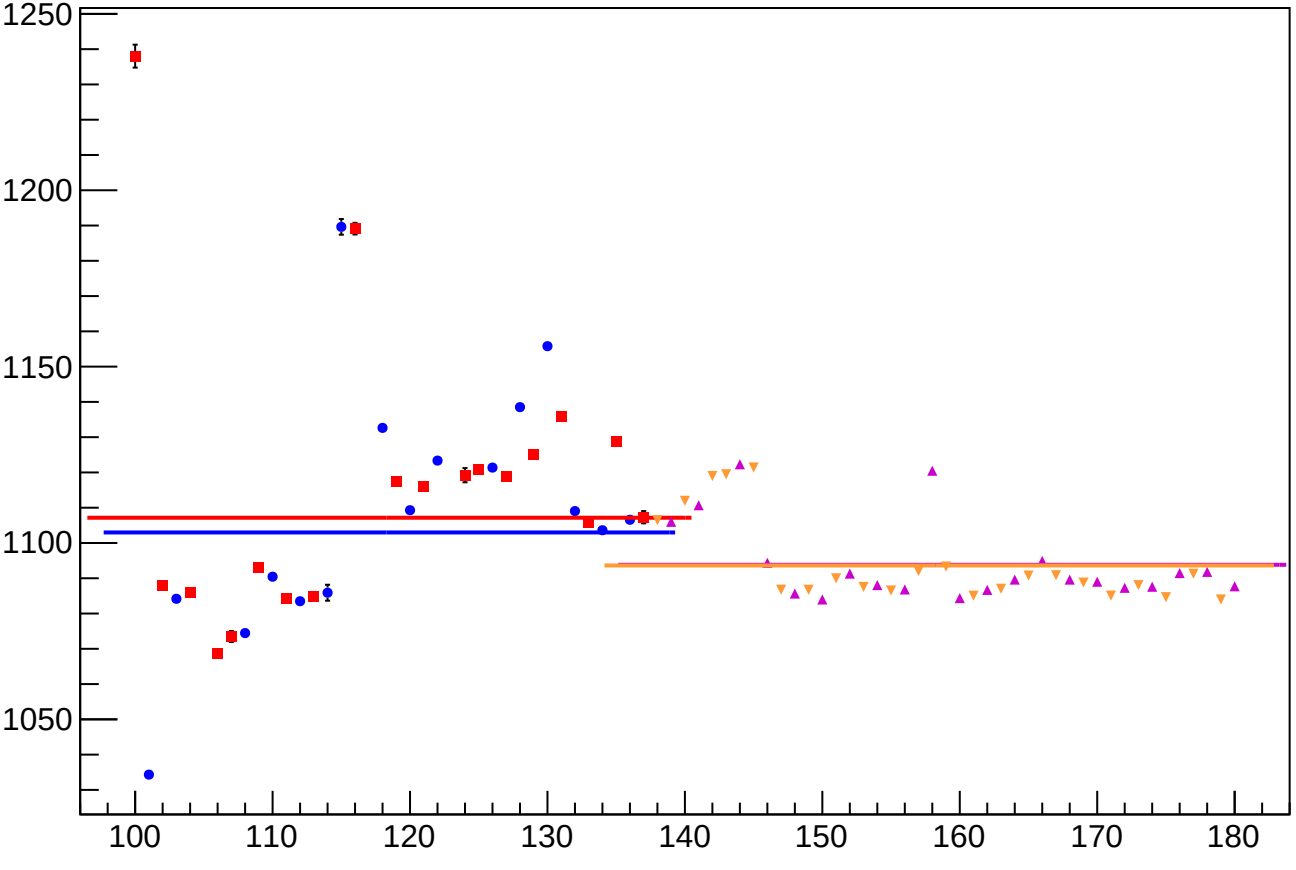
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2419.384+/-221.543 χ^2/NDF:39.1/36

Out: 2030.605+/-219.498 χ^2/NDF:25.0/40

All: 2223.192+/-155.927 χ^2/NDF: 65.6/77

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

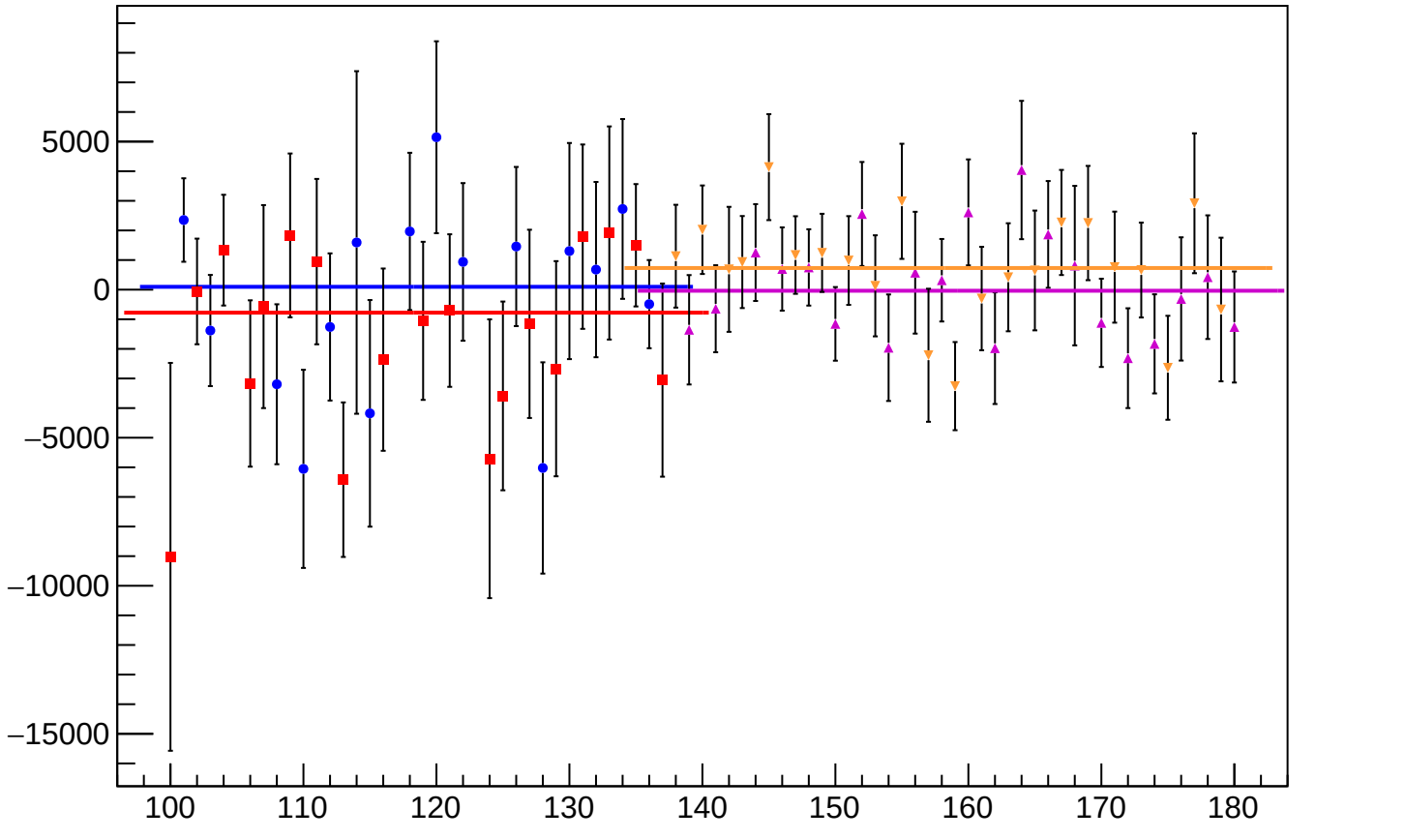
Left: 1093.723+/-0.131 χ^2/NDF: 7475.5/42

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.500+/-0.157 χ^2/NDF:17530.9/36

Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -36.773+/-367.704 χ^2/NDF:17.7/20

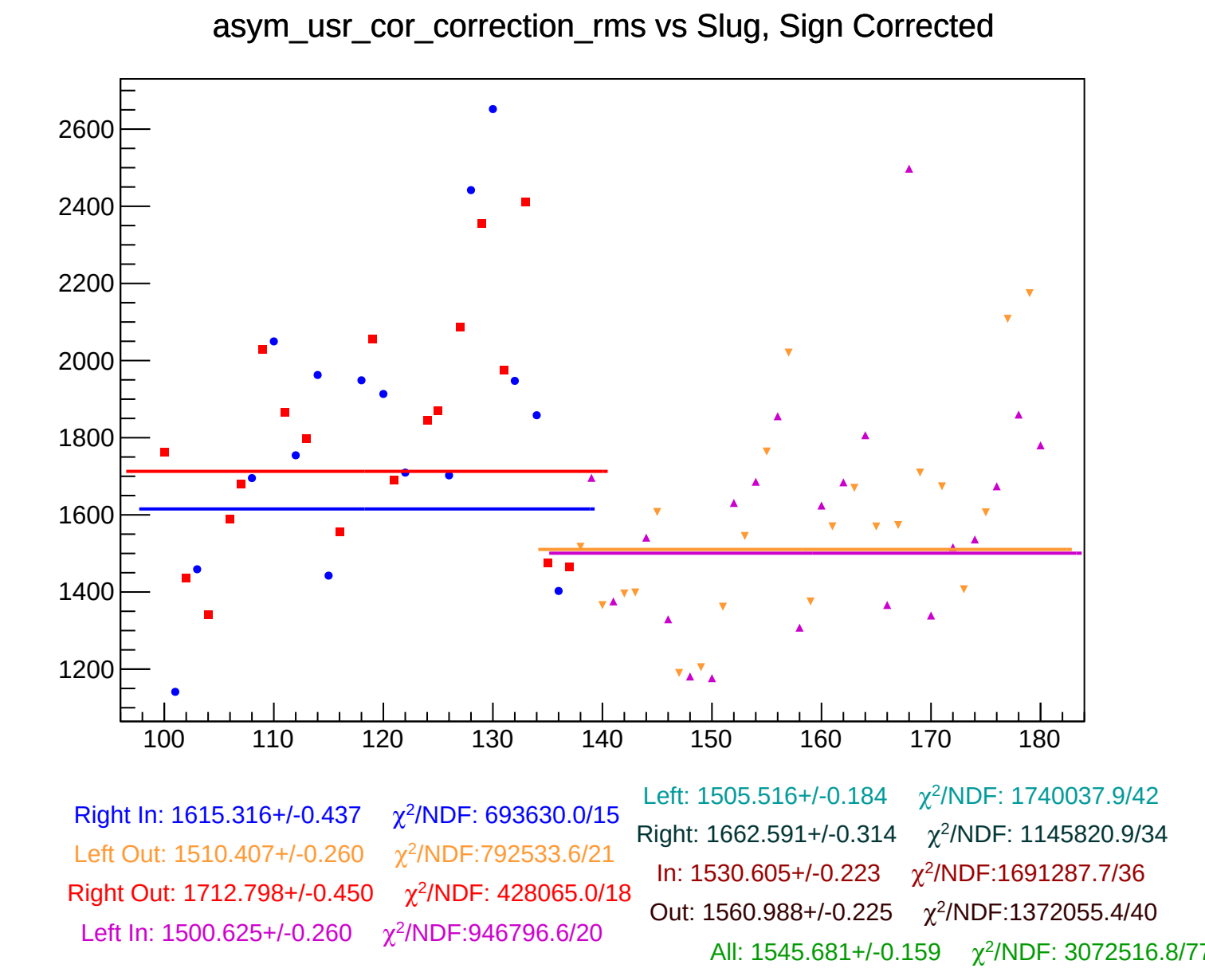
Left: 347.186+/-259.995 χ^2/NDF: 41.6/42

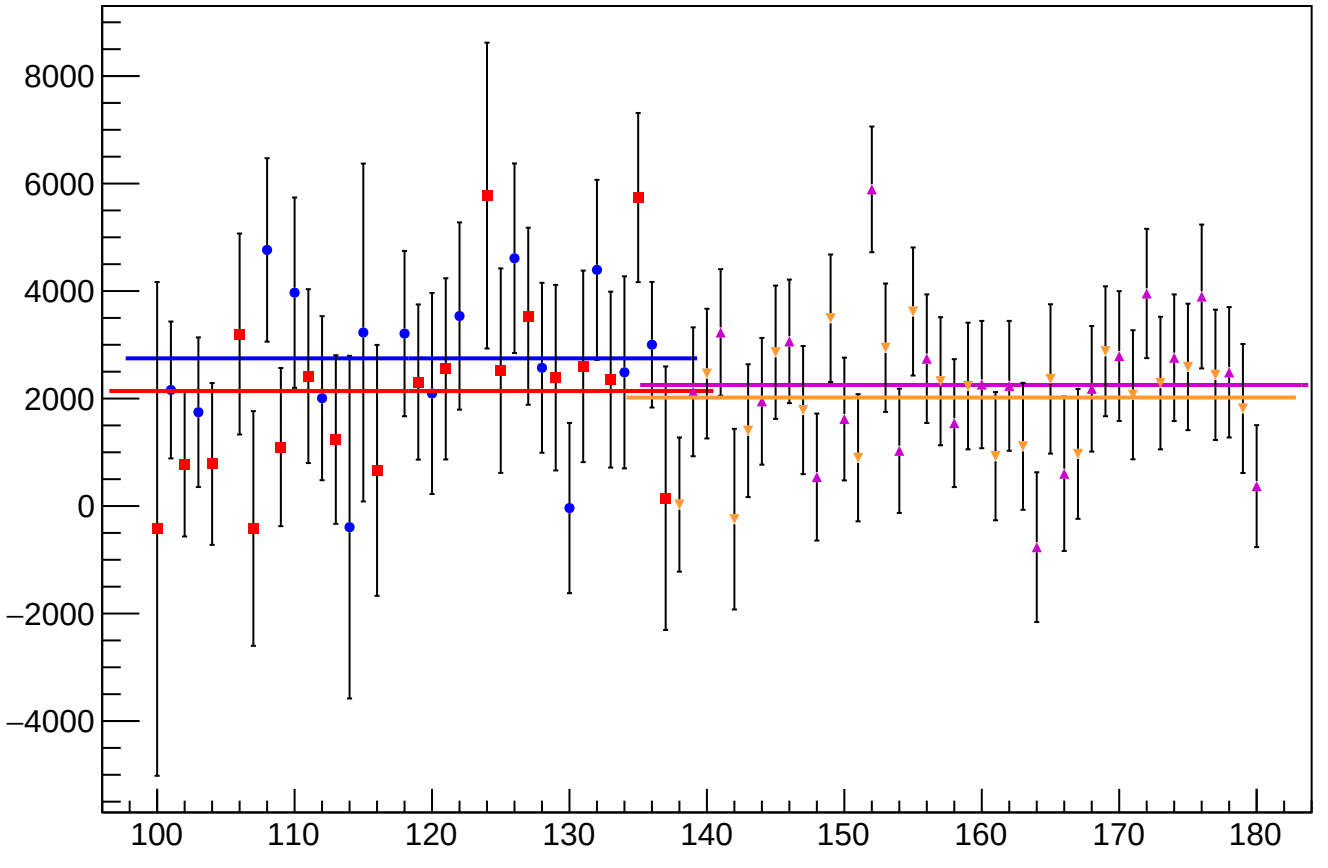
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -2.078+/-316.012 χ^2/NDF:34.7/36

Out: 354.184+/-318.431 χ^2/NDF:41.0/40

All: 174.694+/-224.305 χ^2/NDF: 76.3/77


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1510.407+/-0.260 χ²/NDF:792533.6/21
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1500.625+/-0.260 χ²/NDF:946796.6/20
Left: 1505.516+/-0.184 χ²/NDF: 1740037.9/42
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1530.605+/-0.223 χ²/NDF:1691287.7/36
Out: 1560.988+/-0.225 χ²/NDF:1372055.4/40
All: 1545.681+/-0.159 χ²/NDF: 3072516.8/77



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2018.961+/-260.782 χ^2/NDF:13.4/21

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2252.624+/-262.582 χ^2/NDF:27.7/20

Left: 2134.989+/-185.034 χ^2/NDF: 41.5/42

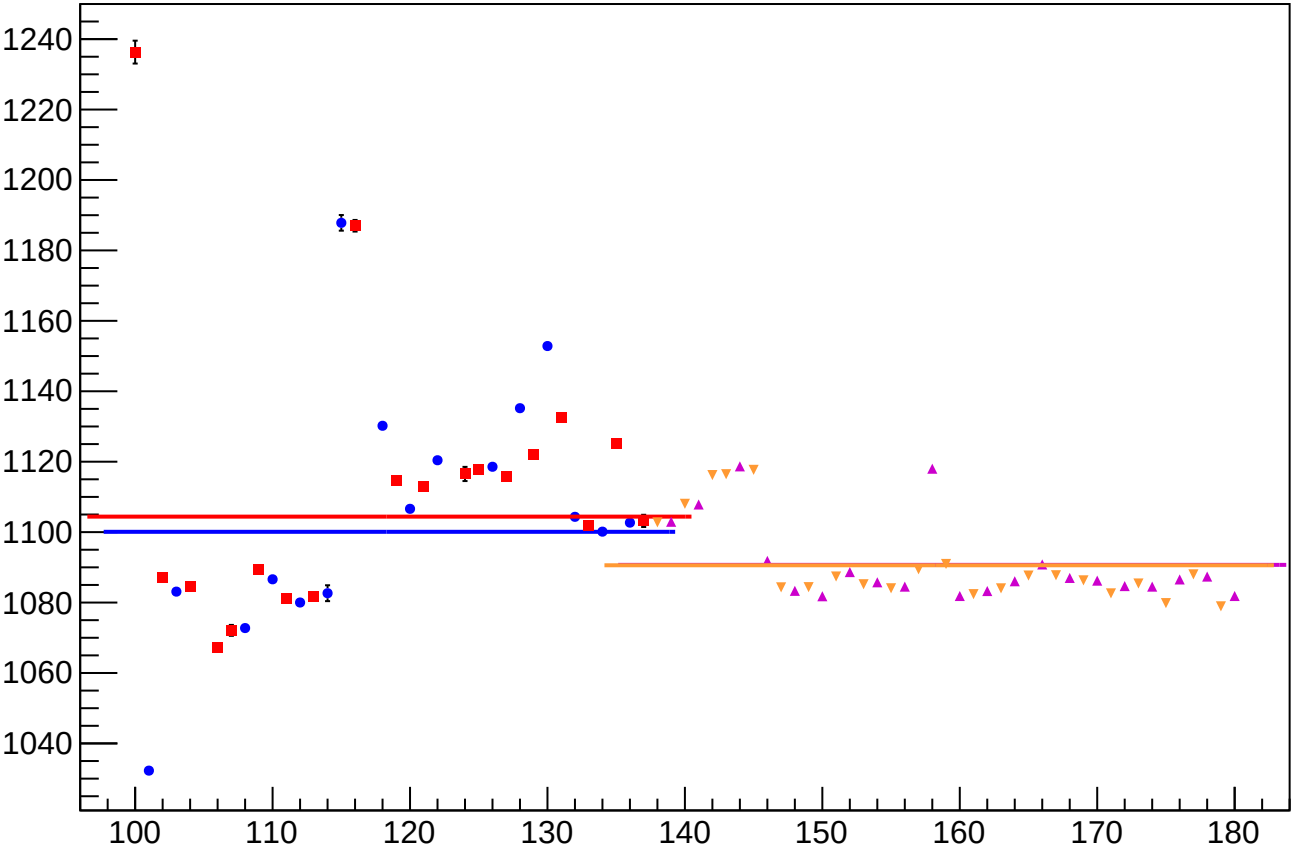
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2397.314+/-220.925 χ^2/NDF:38.3/36

Out: 2055.057+/-218.906 χ^2/NDF:27.0/40

All: 2224.614+/-155.499 χ^2/NDF: 66.5/77

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1090.587+/-0.184 χ^2/NDF:3822.0/21

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1090.701+/-0.186 χ^2/NDF:3627.3/20

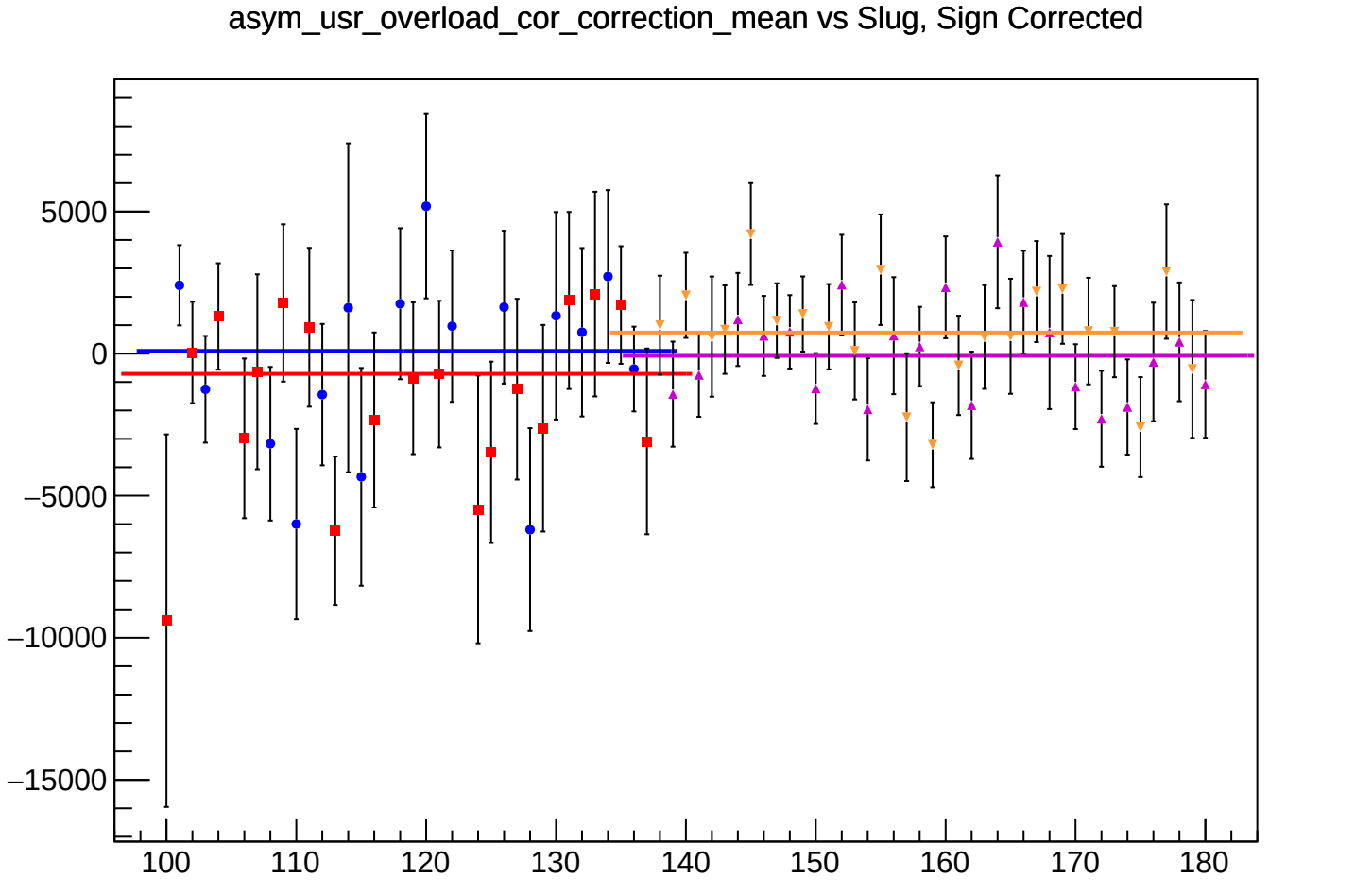
Left: 1090.644+/-0.131 χ^2/NDF: 7449.5/42

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1093.444+/-0.156 χ^2/NDF:17451.4/36

Out: 1094.668+/-0.155 χ^2/NDF:14023.5/40

All: 1094.062+/-0.110 χ^2/NDF: 31505.9/77



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 741.144+/-368.225 χ^2/NDF:21.5/21

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -75.765+/-368.261 χ^2/NDF:16.7/20

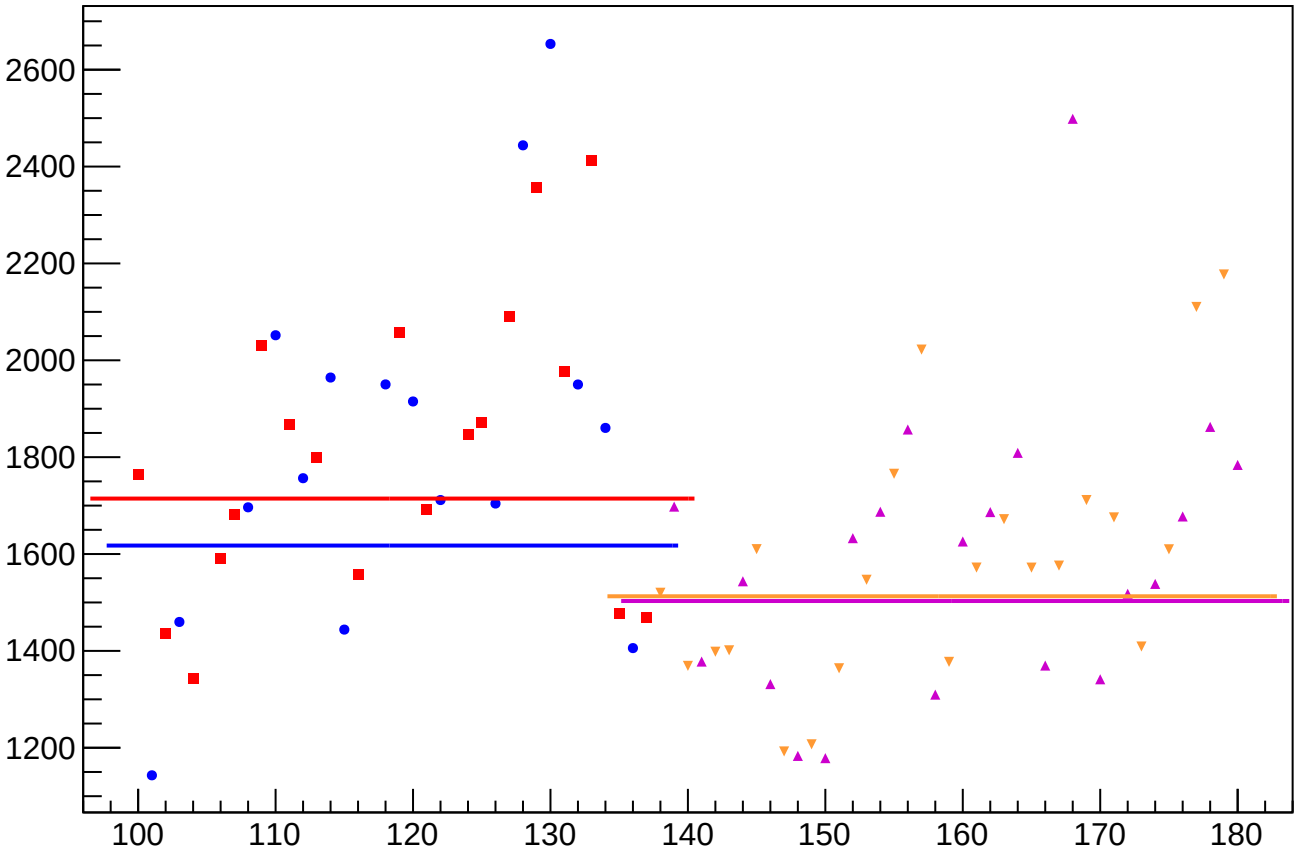
Left: 332.729+/-260.387 χ^2/NDF: 40.7/42

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -30.475+/-316.471 χ^2/NDF:34.0/36

Out: 377.867+/-318.868 χ^2/NDF:40.3/40

All: 172.156+/-224.621 χ^2/NDF: 75.2/77



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1512.778+/-0.260 χ^2/NDF:789825.5/21

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1502.985+/-0.260 χ^2/NDF:944133.0/20

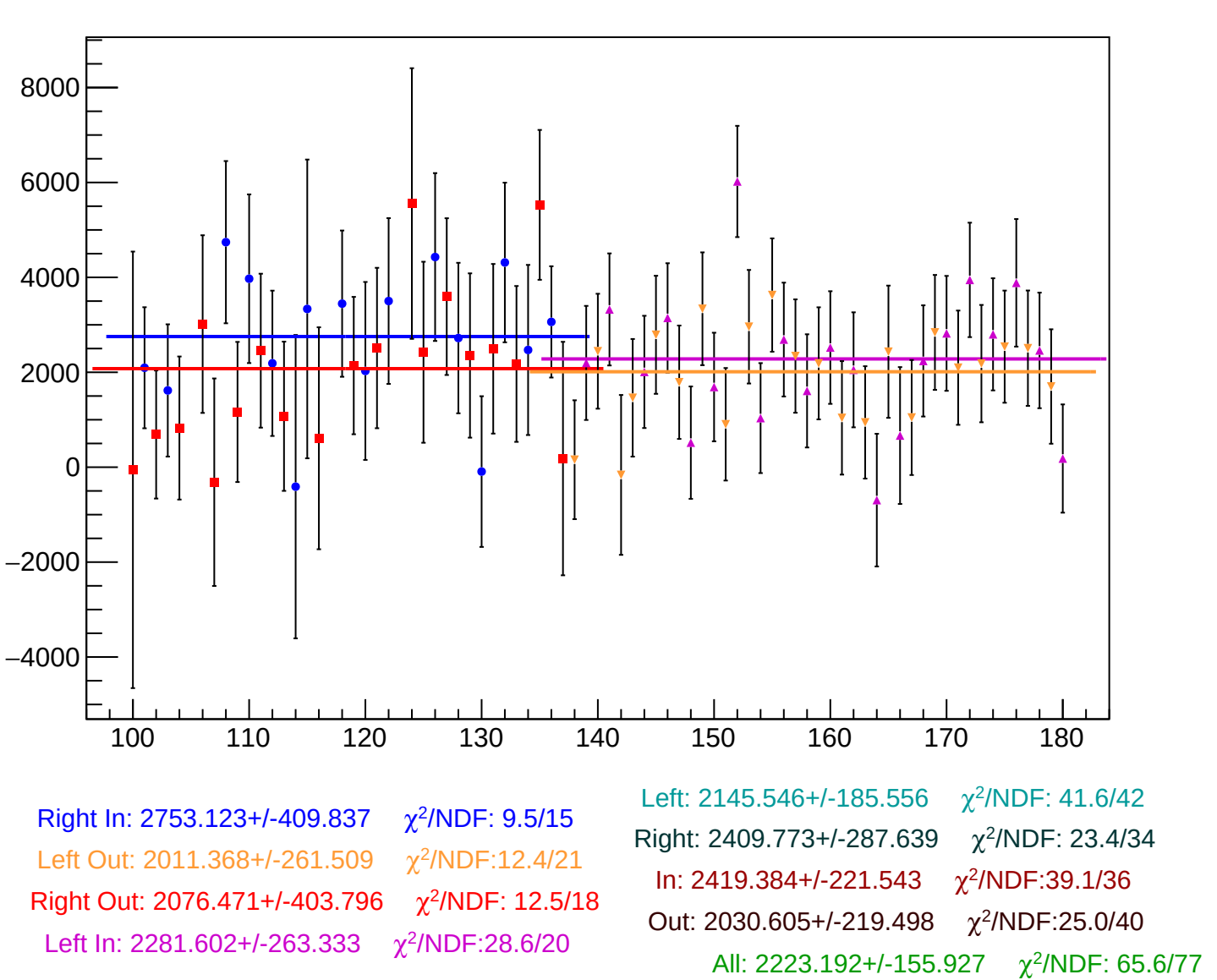
Left: 1507.882+/-0.184 χ^2/NDF: 1734665.8/42

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

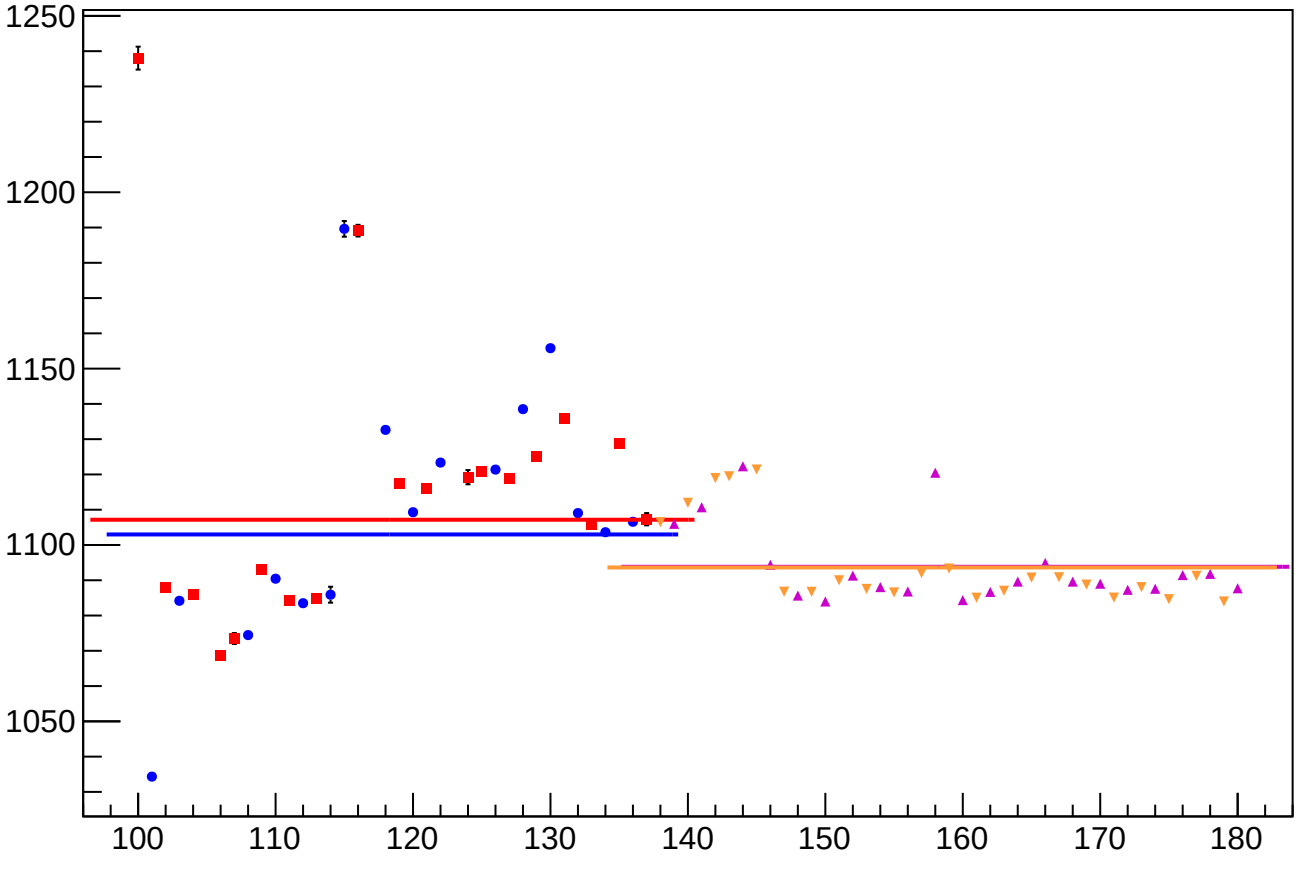
In: 1532.928+/-0.224 χ^2/NDF:1686421.3/36

Out: 1563.234+/-0.225 χ^2/NDF:1367670.9/40

All: 1547.966+/-0.159 χ^2/NDF: 3063193.7/77


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2011.368+/-261.509 χ²/NDF:12.4/21
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 2281.602+/-263.333 χ²/NDF:28.6/20
Left: 2145.546+/-185.556 χ²/NDF: 41.6/42
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2419.384+/-221.543 χ²/NDF:39.1/36
Out: 2030.605+/-219.498 χ²/NDF:25.0/40
All: 2223.192+/-155.927 χ²/NDF: 65.6/77

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1093.821+/-0.186 χ^2/NDF:3598.9/20

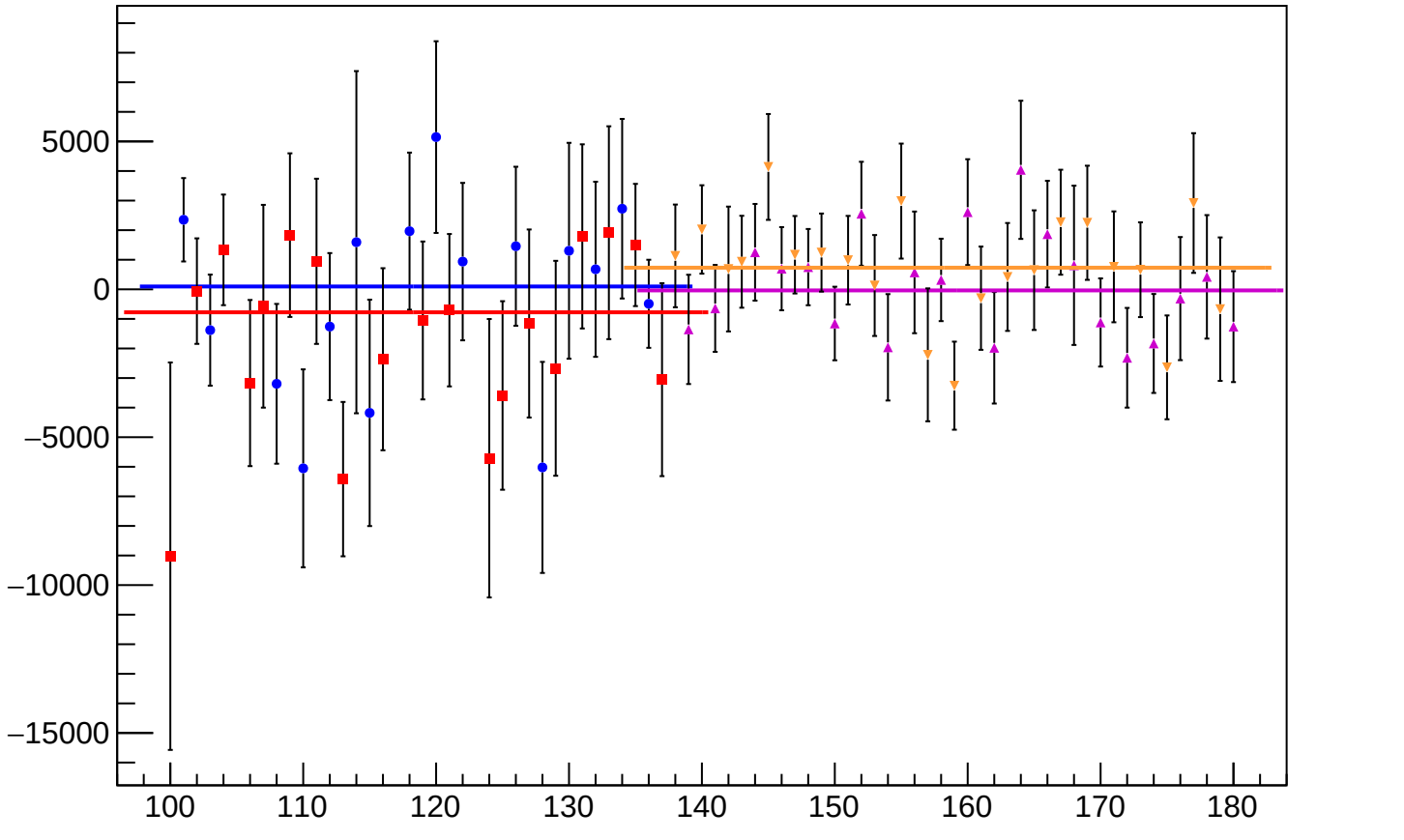
Left: 1093.723+/-0.131 χ^2/NDF: 7475.5/42

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.500+/-0.157 χ^2/NDF:17530.9/36

Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.068+/-0.110 χ^2/NDF: 31698.9/77



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -36.773+/-367.704 χ^2/NDF:17.7/20

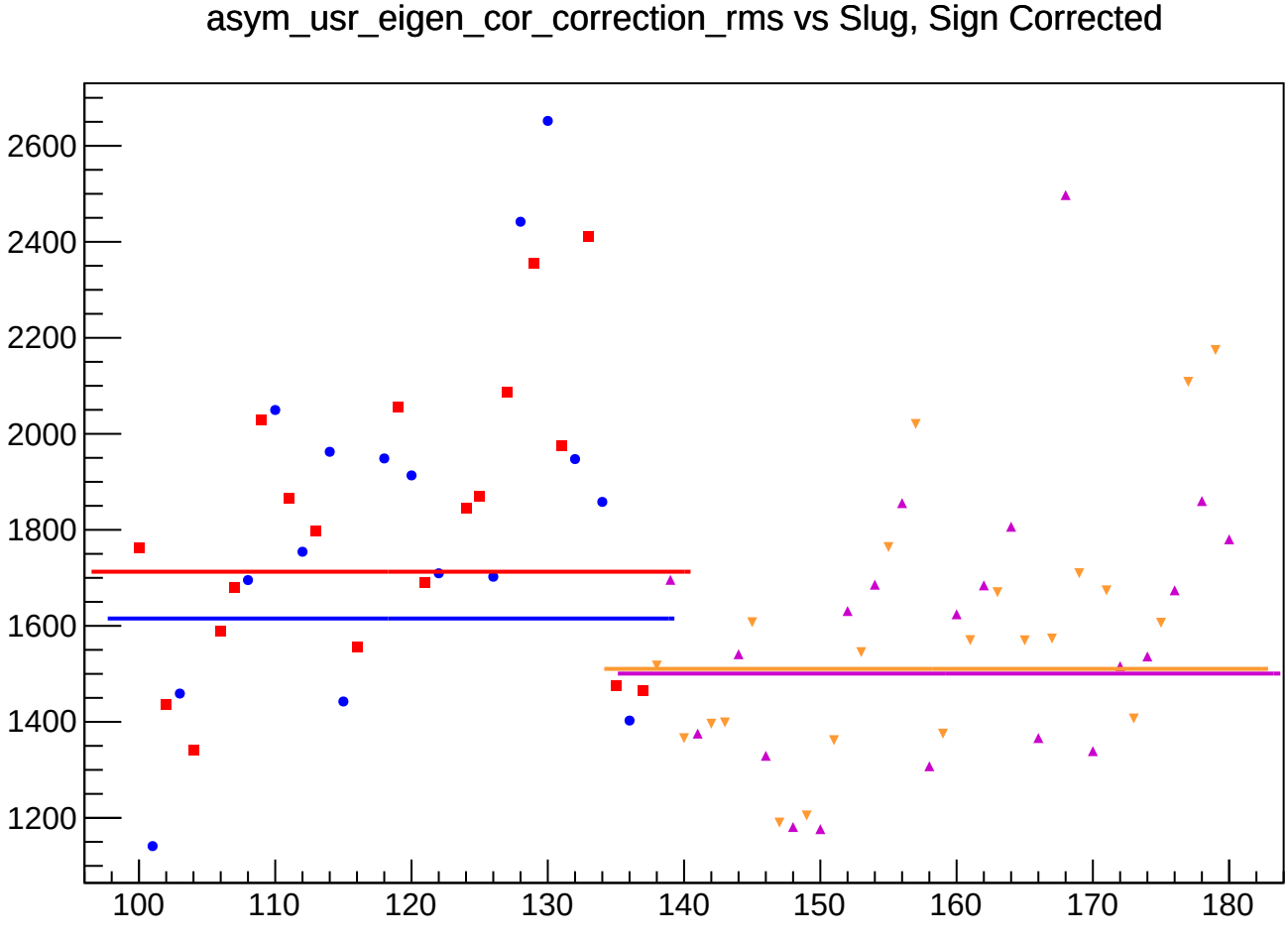
Left: 347.186+/-259.995 χ^2/NDF: 41.6/42

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -2.078+/-316.012 χ^2/NDF:34.7/36

Out: 354.184+/-318.431 χ^2/NDF:41.0/40

All: 174.694+/-224.305 χ^2/NDF: 76.3/77



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1500.625+/-0.260 χ^2/NDF:946796.6/20

Left: 1505.516+/-0.184 χ^2/NDF: 1740037.9/42

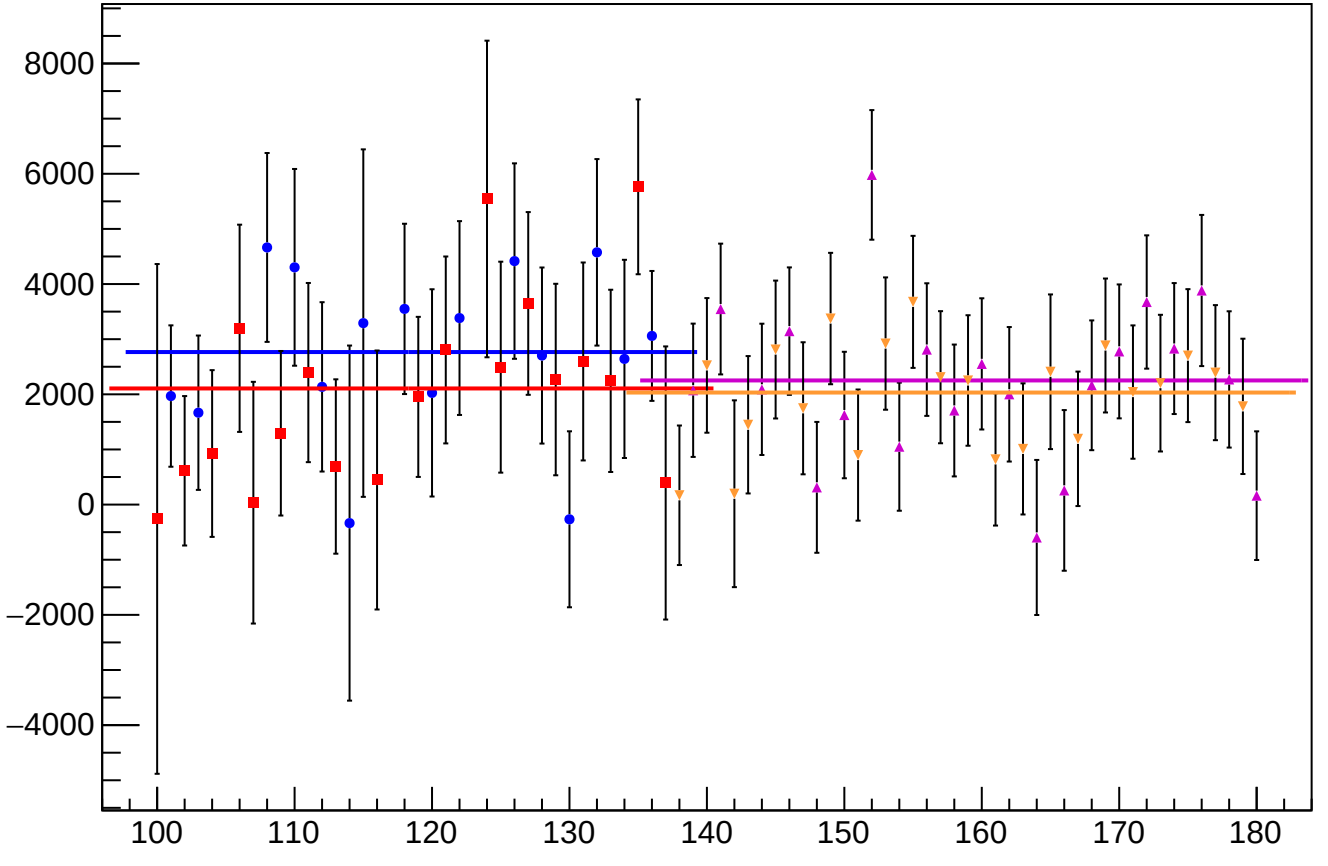
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1530.605+/-0.223 χ^2/NDF:1691287.7/36

Out: 1560.988+/-0.225 χ^2/NDF:1372055.4/40

All: 1545.681+/-0.159 χ^2/NDF: 3072516.8/77

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2032.147+/-263.044 χ^2/NDF:12.1/21

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2251.744+/-264.951 χ^2/NDF:28.9/20

Left: 2141.153+/-186.671 χ^2/NDF: 41.3/42

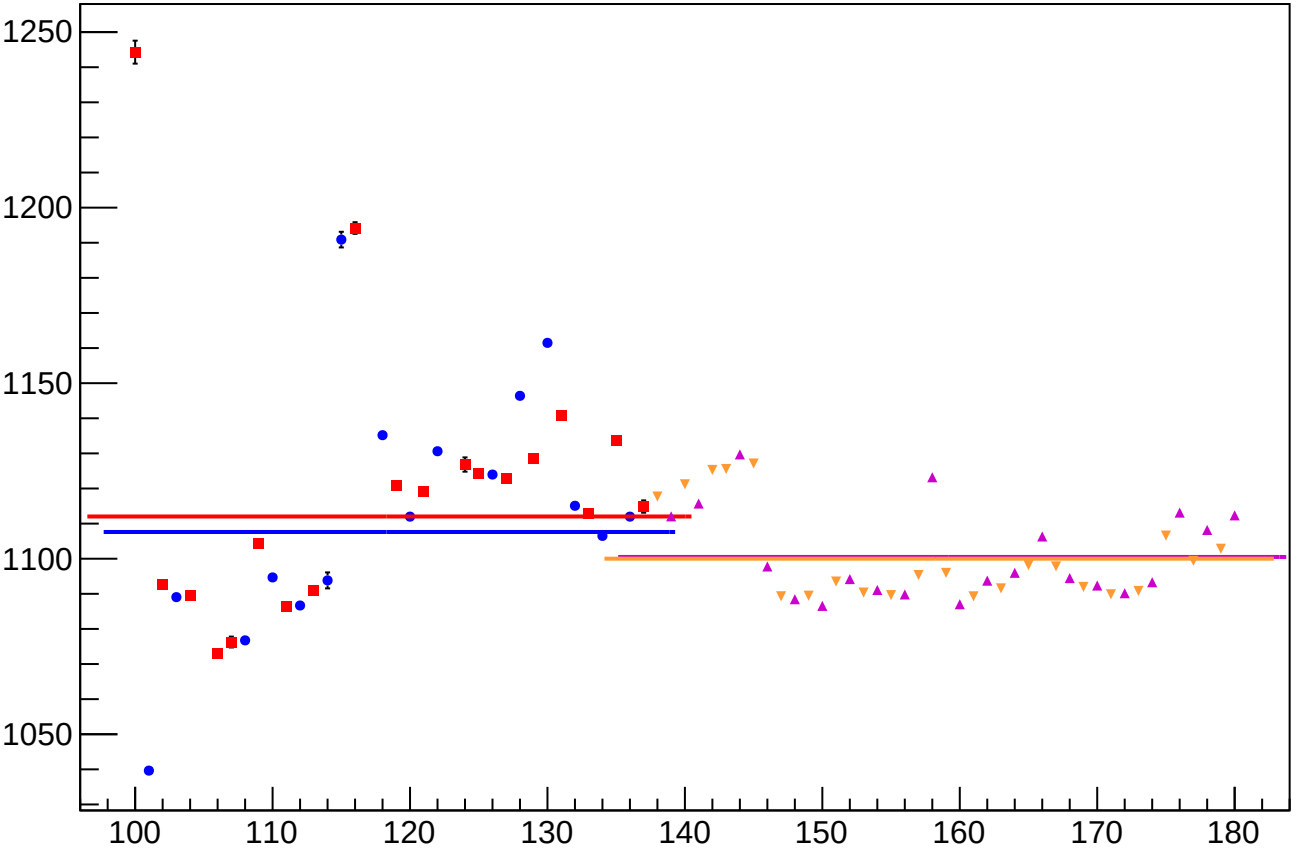
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2402.616+/-222.779 χ^2/NDF:40.3/36

Out: 2054.120+/-220.694 χ^2/NDF:25.5/40

All: 2226.729+/-156.786 χ^2/NDF: 67.0/77

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

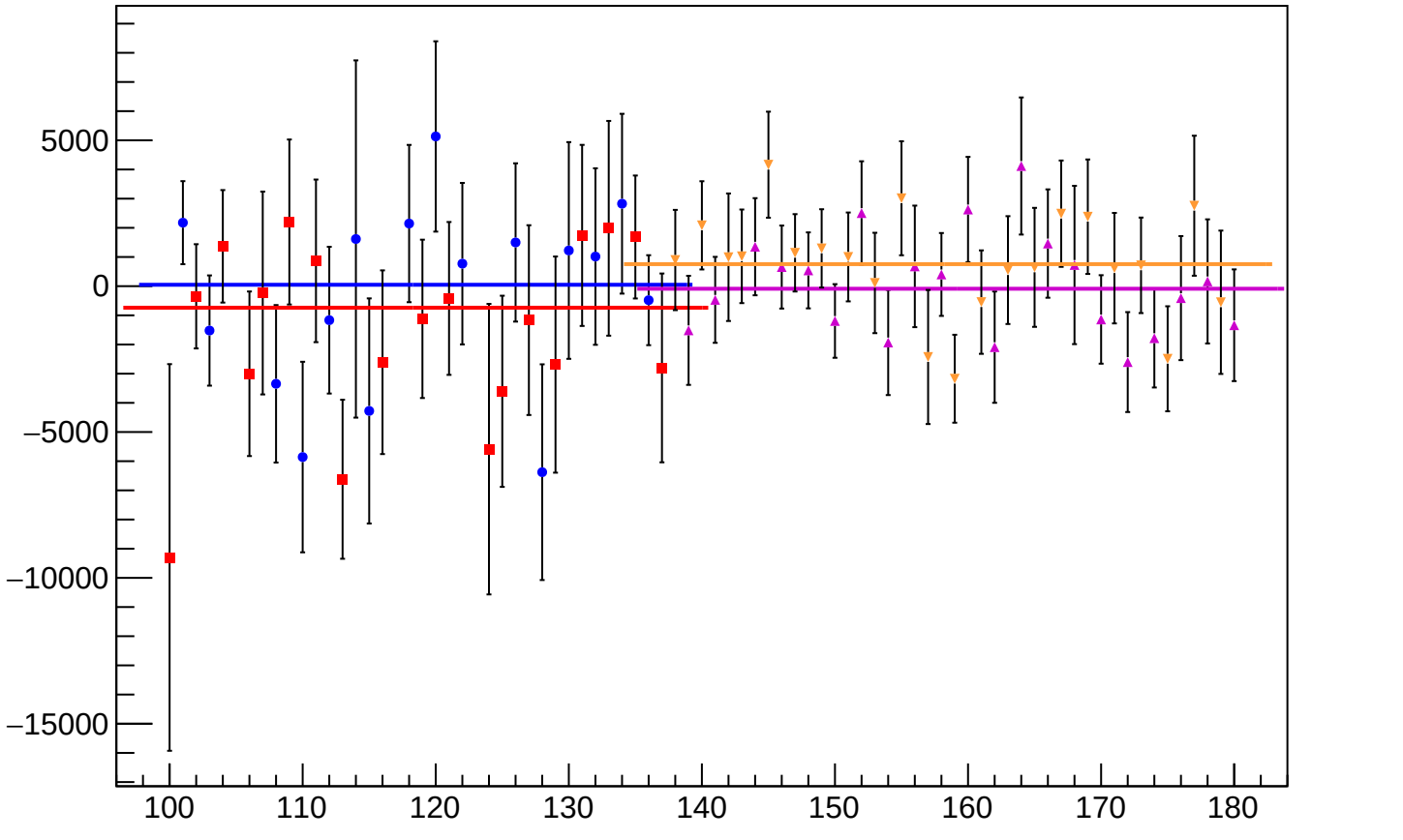
Left: 1100.256+/-0.132 χ^2/NDF: 9092.7/42

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.586+/-0.158 χ^2/NDF:18124.1/36

Out: 1103.571+/-0.156 χ^2/NDF:14497.4/40

All: 1103.083+/-0.111 χ^2/NDF: 32641.2/77



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 755.409+/-373.393 χ^2/NDF:21.2/21

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -88.183+/-372.725 χ^2/NDF:17.6/20

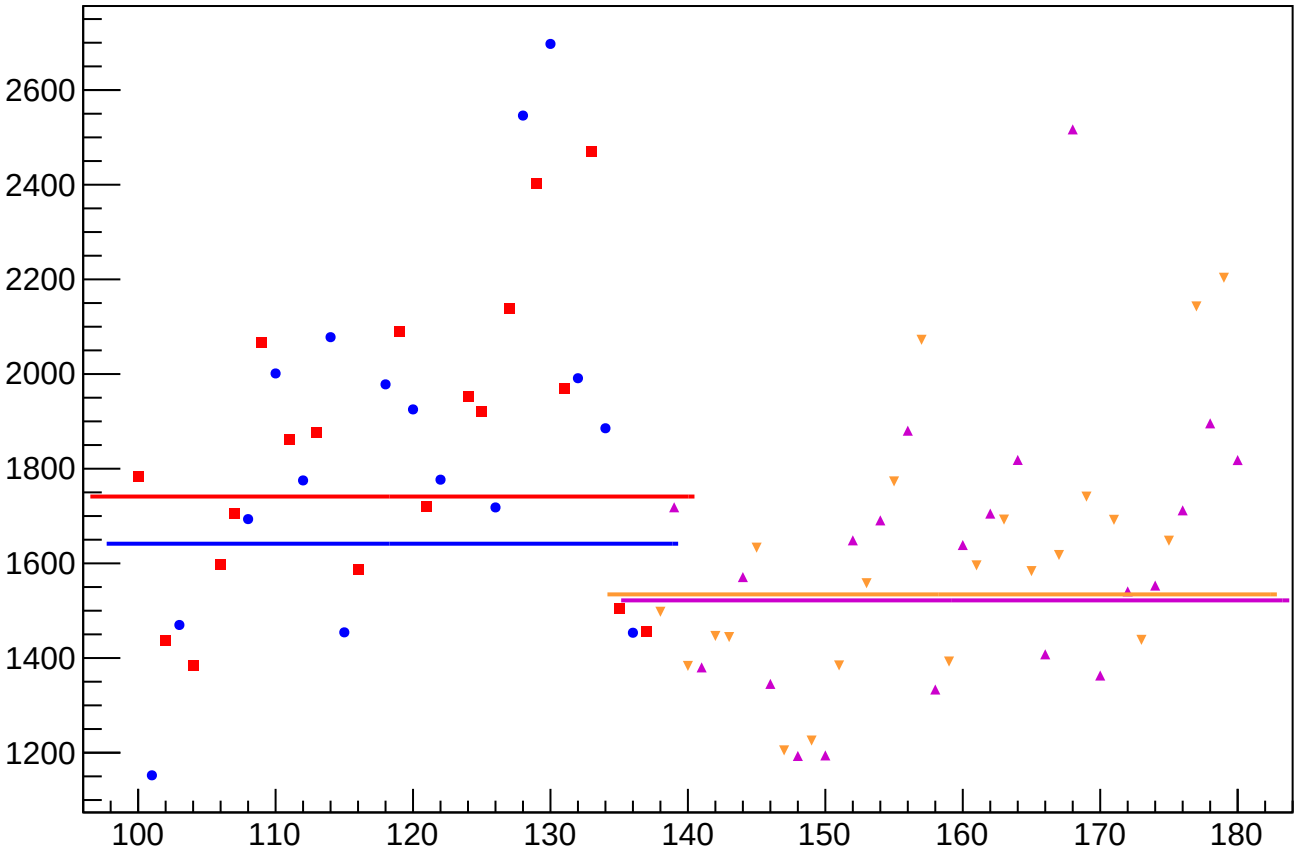
Left: 332.858+/-263.792 χ^2/NDF: 41.3/42

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -52.760+/-320.531 χ^2/NDF:34.5/36

Out: 382.927+/-323.500 χ^2/NDF:40.1/40

All: 163.075+/-227.692 χ^2/NDF: 75.5/77



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1534.466+/-0.264 χ^2/NDF:792688.5/21

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1521.803+/-0.264 χ^2/NDF:941296.5/20

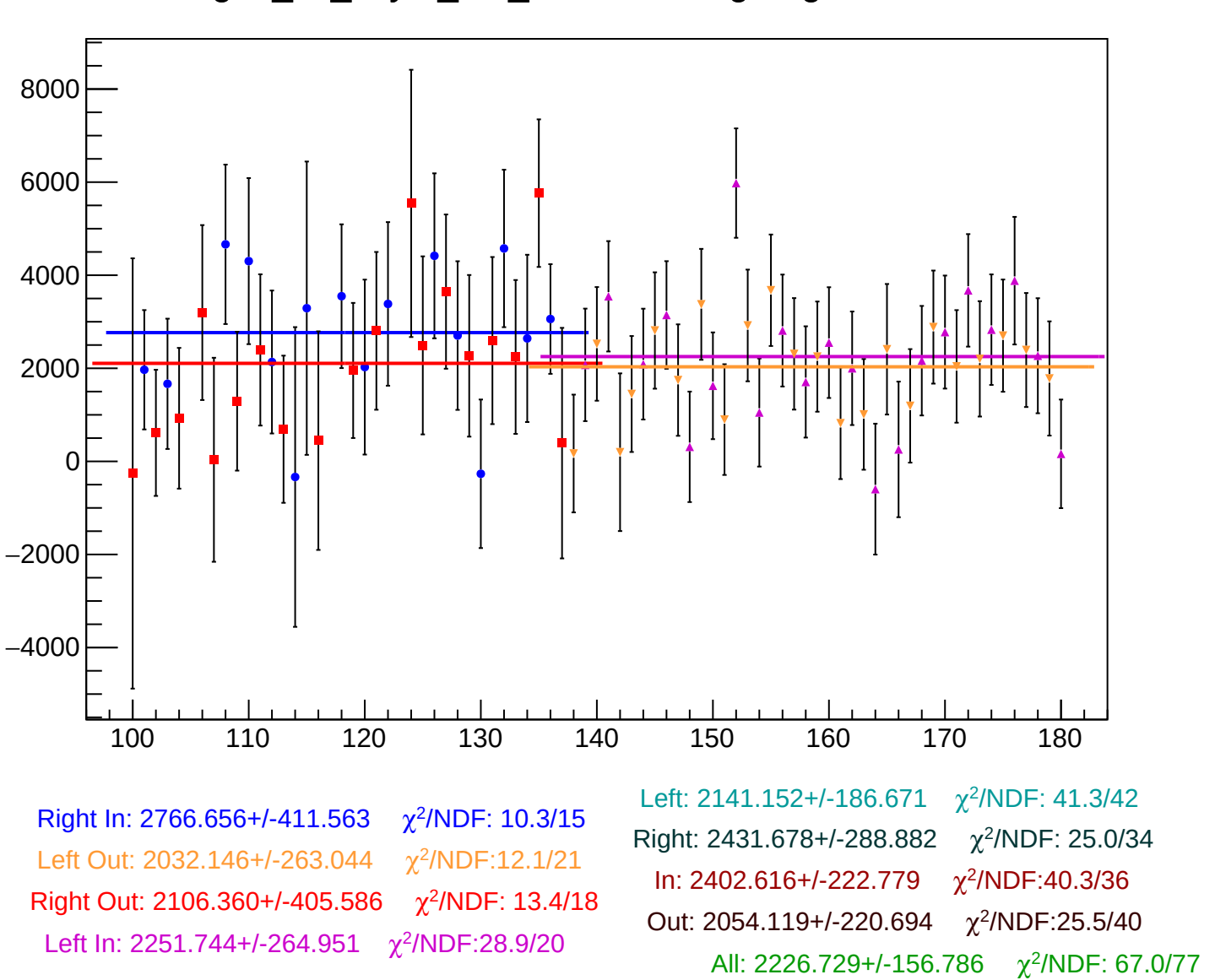
Left: 1528.123+/-0.187 χ^2/NDF: 1735137.1/42

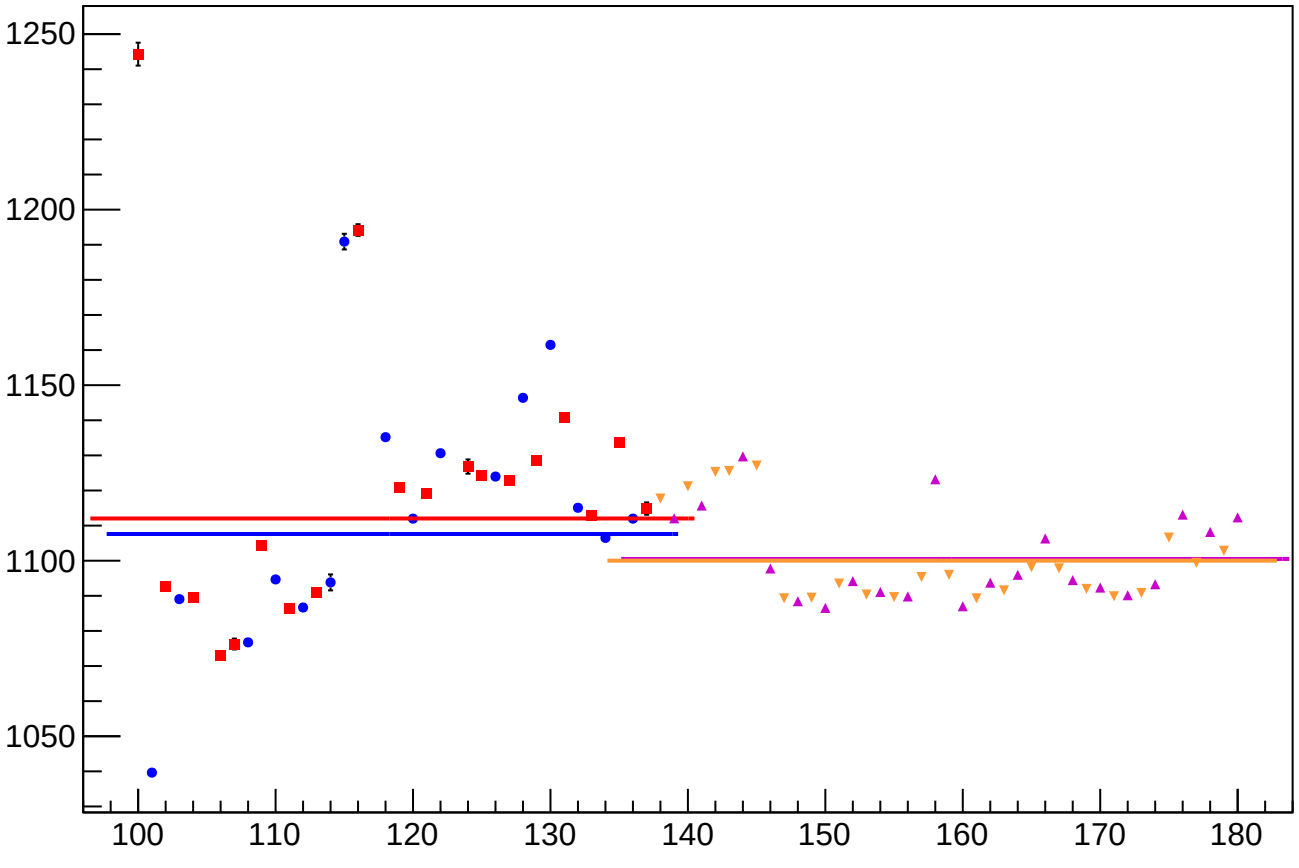
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1552.989+/-0.227 χ^2/NDF:1696364.5/36

Out: 1586.023+/-0.229 χ^2/NDF:1383920.7/40

All: 1569.353+/-0.161 χ^2/NDF: 3090808.5/77


eigen_dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 2032.146+/-263.044 χ²/NDF:12.1/21
Right Out: 2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: 2251.744+/-264.951 χ²/NDF:28.9/20
Left: 2141.152+/-186.671 χ²/NDF: 41.3/42
Right: 2431.678+/-288.882 χ²/NDF: 25.0/34
In: 2402.616+/-222.779 χ²/NDF:40.3/36
Out: 2054.119+/-220.694 χ²/NDF:25.5/40
All: 2226.729+/-156.786 χ²/NDF: 67.0/77



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.502+/-0.187 χ^2/NDF:4481.1/20

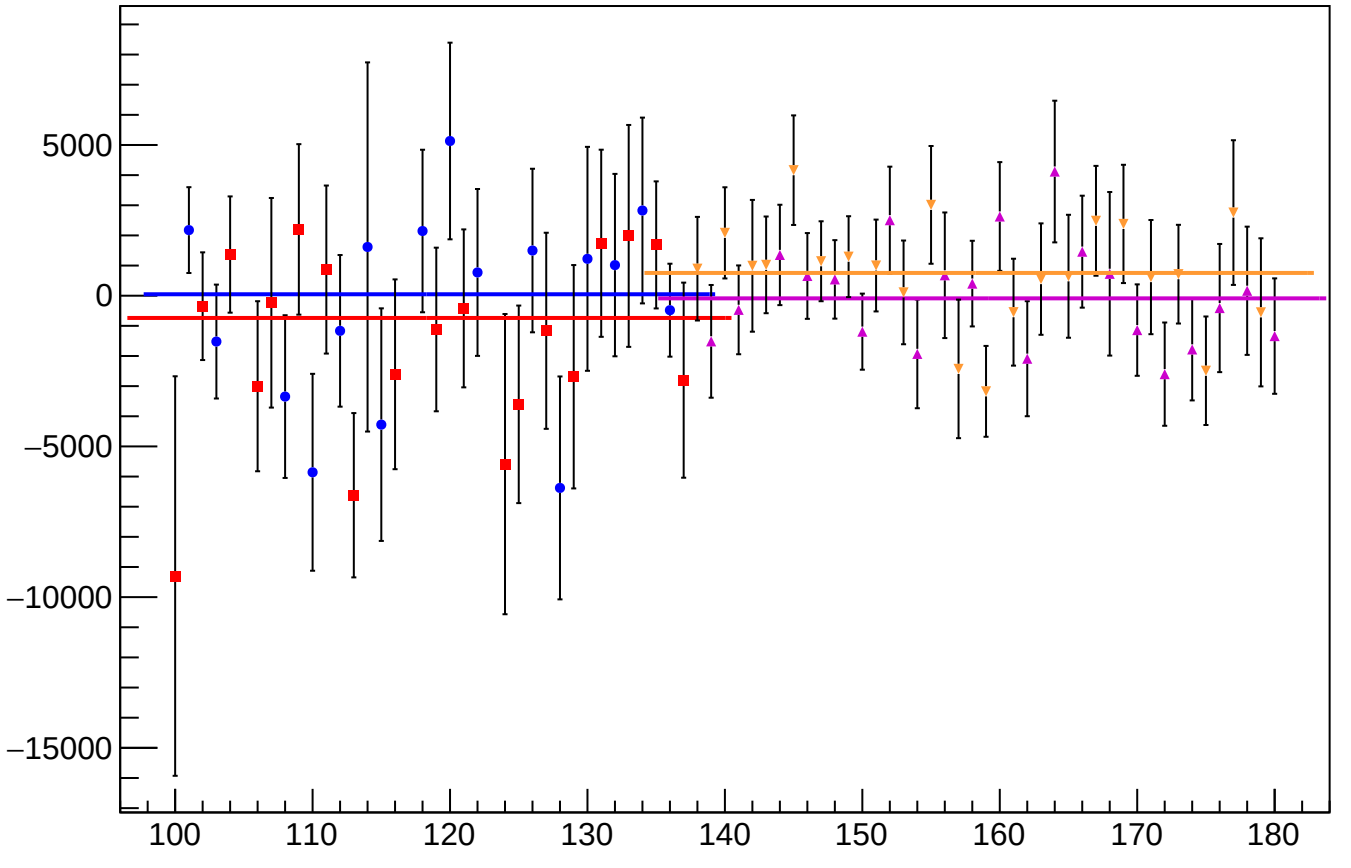
Left: 1100.256+/-0.132 χ^2/NDF: 9092.7/42

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.586+/-0.158 χ^2/NDF:18123.9/36

Out: 1103.571+/-0.156 χ^2/NDF:14497.3/40

All: 1103.083+/-0.111 χ^2/NDF: 32641.0/77



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 755.408+/-373.394 χ^2/NDF:21.2/21

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -88.182+/-372.726 χ^2/NDF:17.6/20

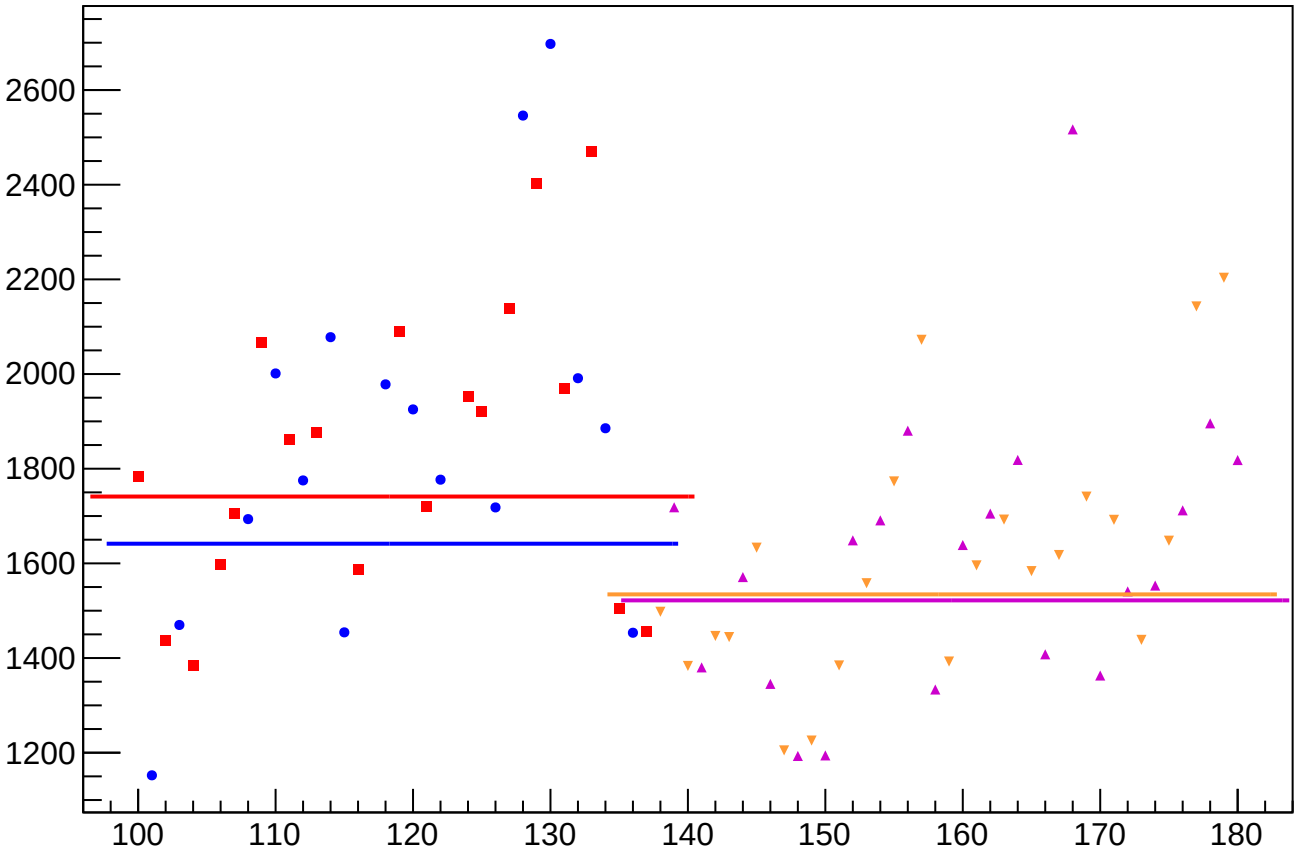
Left: 332.858+/-263.793 χ^2/NDF: 41.3/42

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -52.761+/-320.532 χ^2/NDF:34.5/36

Out: 382.923+/-323.501 χ^2/NDF:40.1/40

All: 163.073+/-227.693 χ^2/NDF: 75.5/77



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1534.470+/-0.264 χ^2/NDF:792692.4/21

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1521.807+/-0.264 χ^2/NDF:941301.9/20

Left: 1528.127+/-0.187 χ^2/NDF: 1735146.4/42

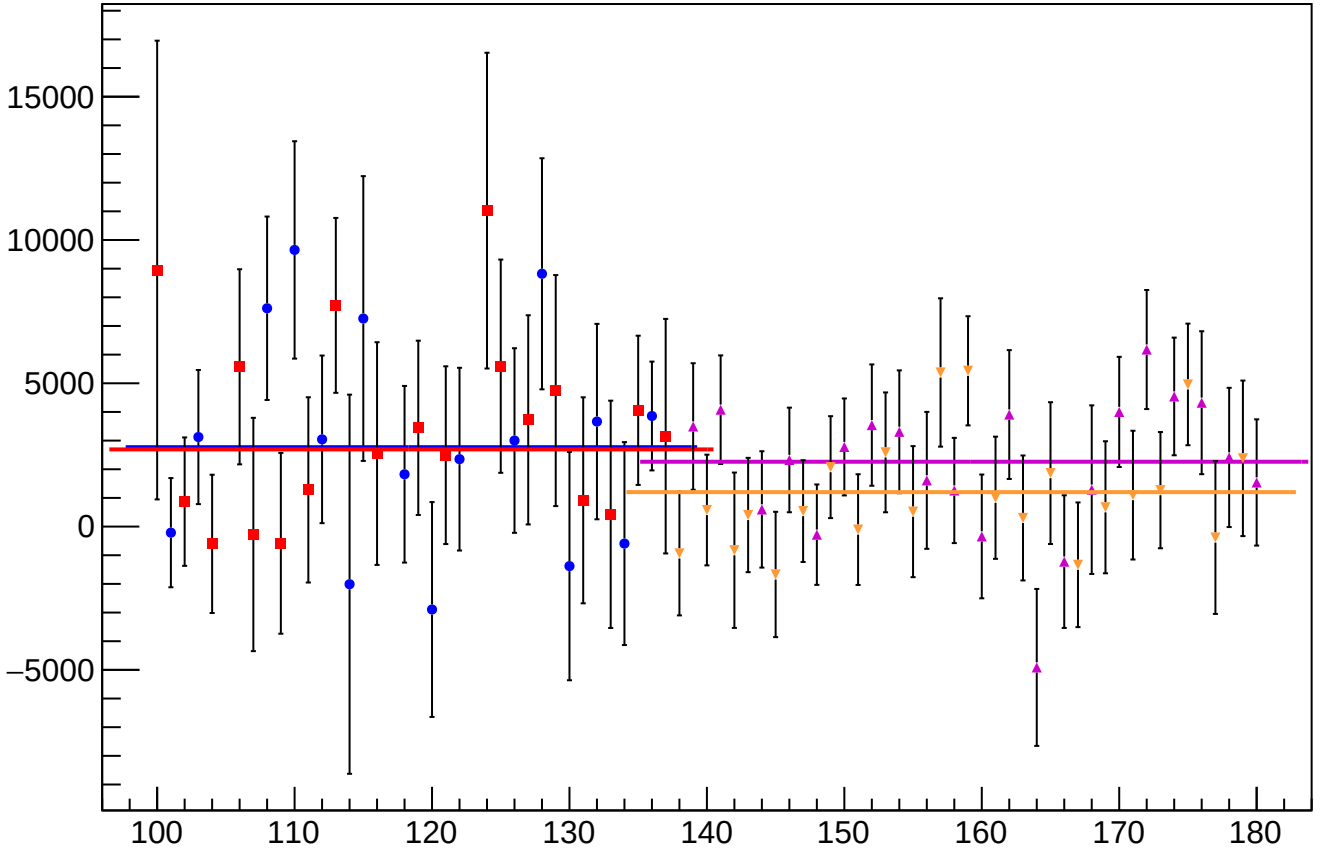
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1552.991+/-0.227 χ^2/NDF:1696352.3/36

Out: 1586.025+/-0.229 χ^2/NDF:1383904.8/40

All: 1569.356+/-0.161 χ^2/NDF: 3090780.6/77

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1201.842+/-458.412 χ^2/NDF:17.8/21

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2262.331+/-459.369 χ^2/NDF:22.7/20

Left: 1730.980+/-324.484 χ^2/NDF: 43.2/42

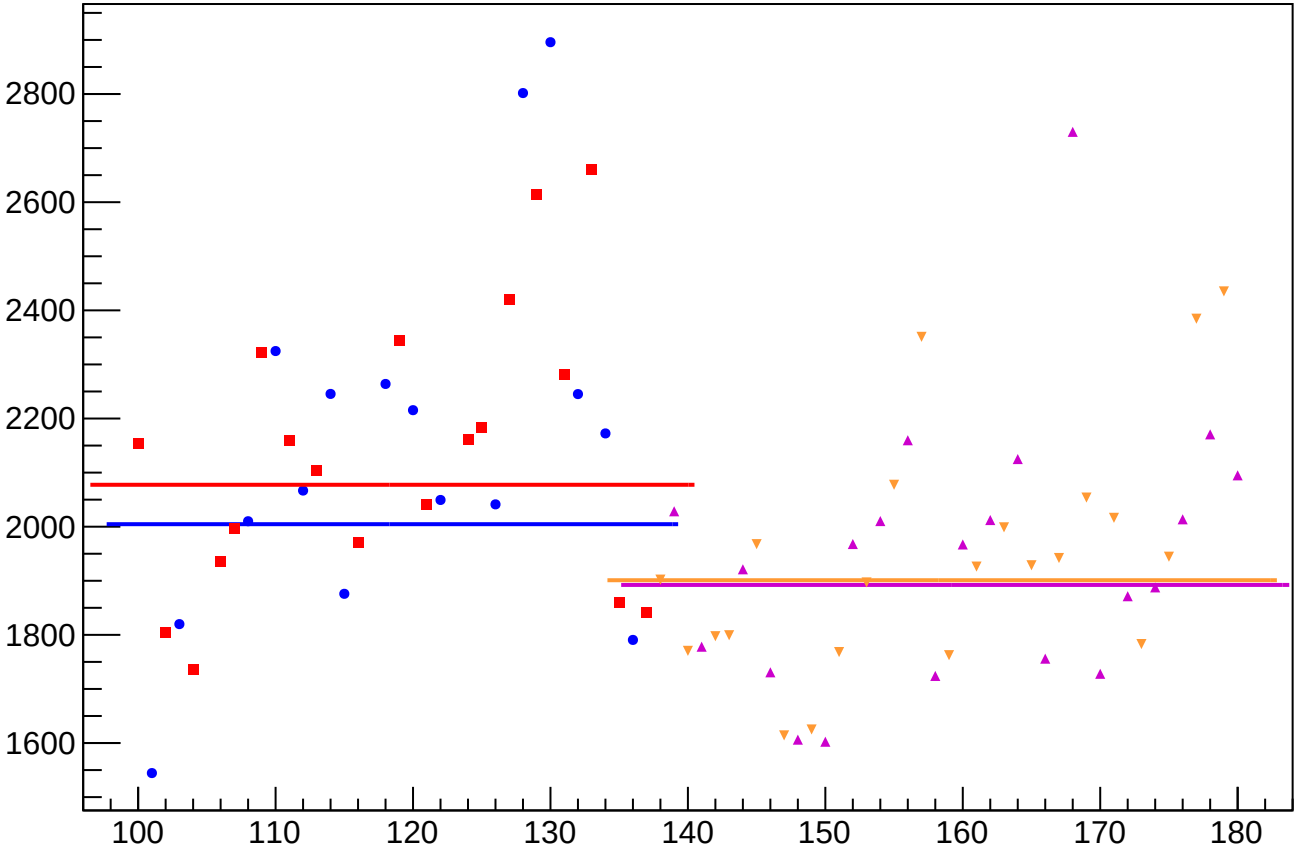
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2398.921+/-392.733 χ^2/NDF:39.5/36

Out: 1595.146+/-393.320 χ^2/NDF:33.1/40

All: 1997.634+/-277.912 χ^2/NDF: 74.7/77

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1901.007+/-0.324 χ^2/NDF:382163.0/21

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1892.331+/-0.325 χ^2/NDF:447941.7/20

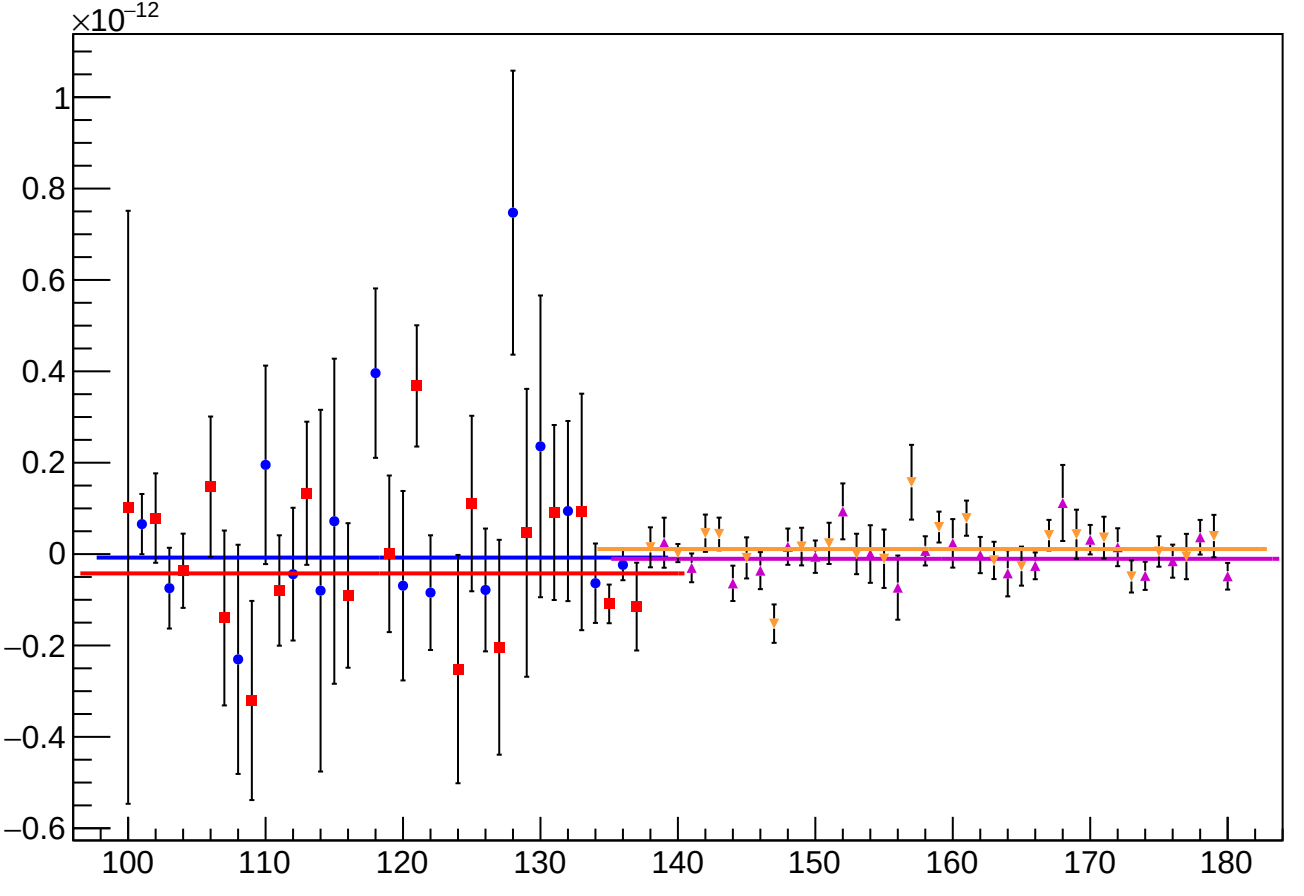
Left: 1896.678+/-0.229 χ^2/NDF: 830462.1/42

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1922.549+/-0.278 χ^2/NDF:867673.6/36

Out: 1947.570+/-0.278 χ^2/NDF:690859.8/40

All: 1935.041+/-0.197 χ^2/NDF: 1562586.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/20

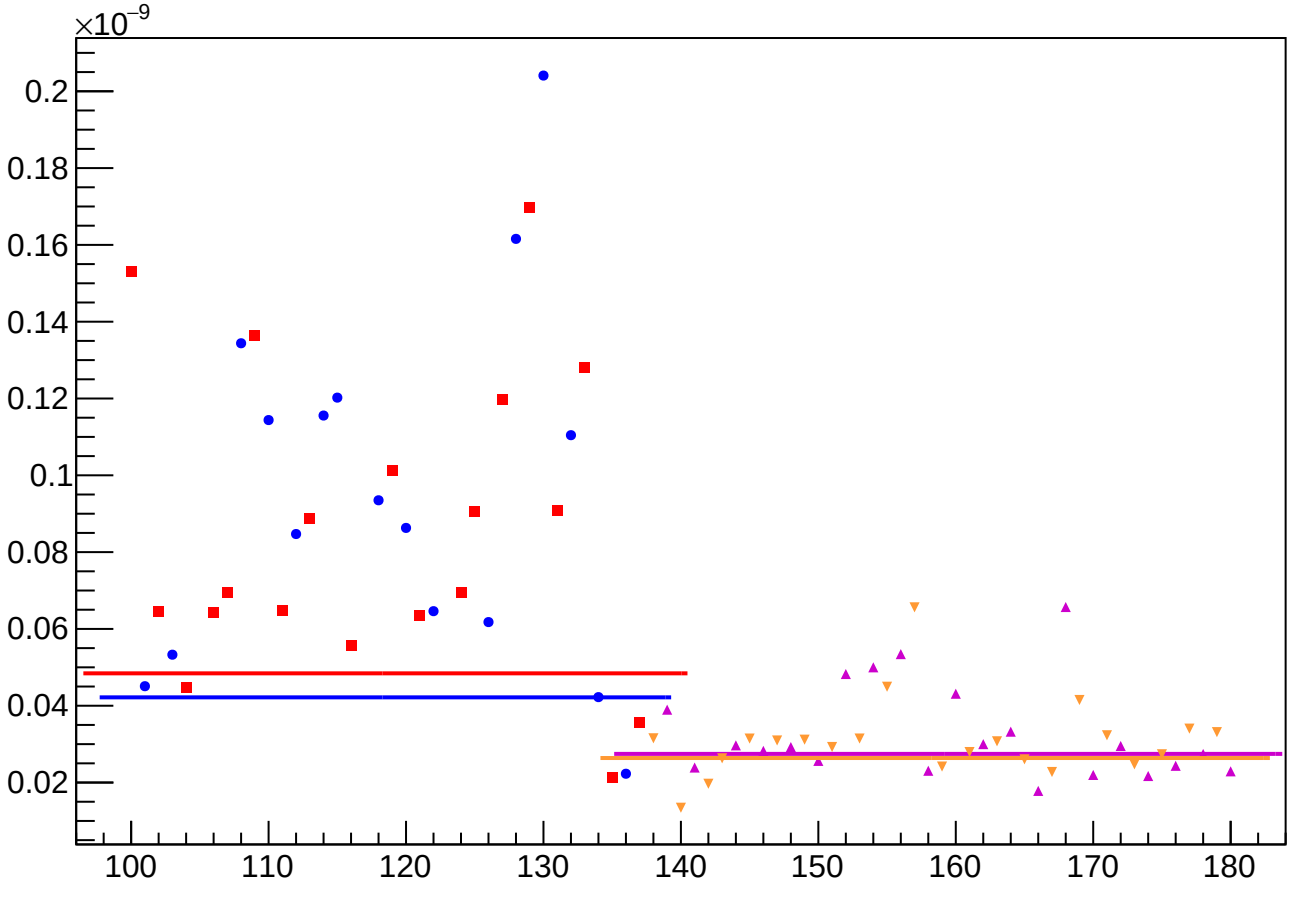
Left: 0.000+/-0.000 χ^2/NDF: 52.6/42

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:34.1/36

Out: 0.000+/-0.000 χ^2/NDF:57.0/40

All: -0.000+/-0.000 χ^2/NDF: 93.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021103.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1971893.5/20

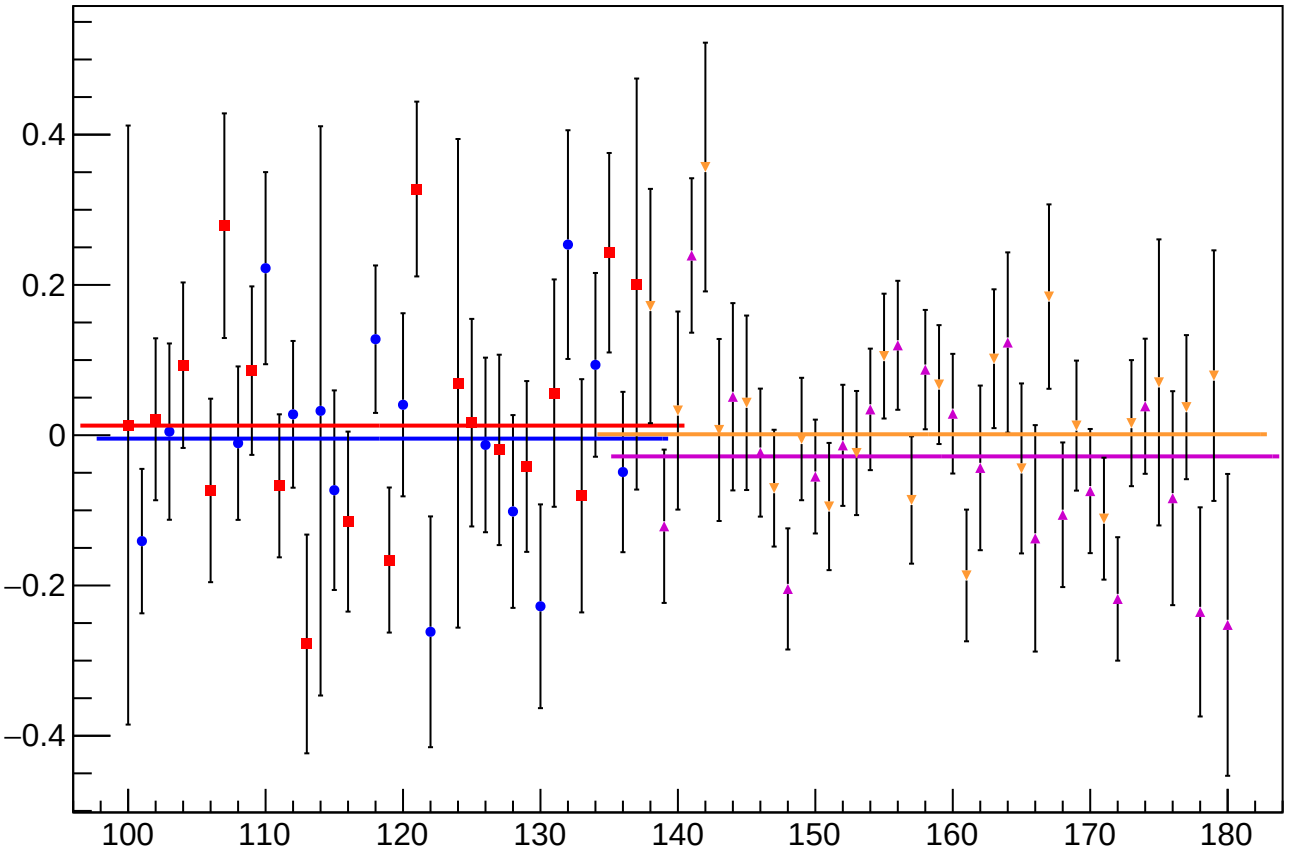
Left: 0.000+/-0.000 χ^2/NDF: 4009326.6/42

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:5559038.8/36

Out: 0.000+/-0.000 χ^2/NDF:5843000.3/40

All: 0.000+/-0.000 χ^2/NDF: 11411996.1/77



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.021 χ^2/NDF:31.7/20

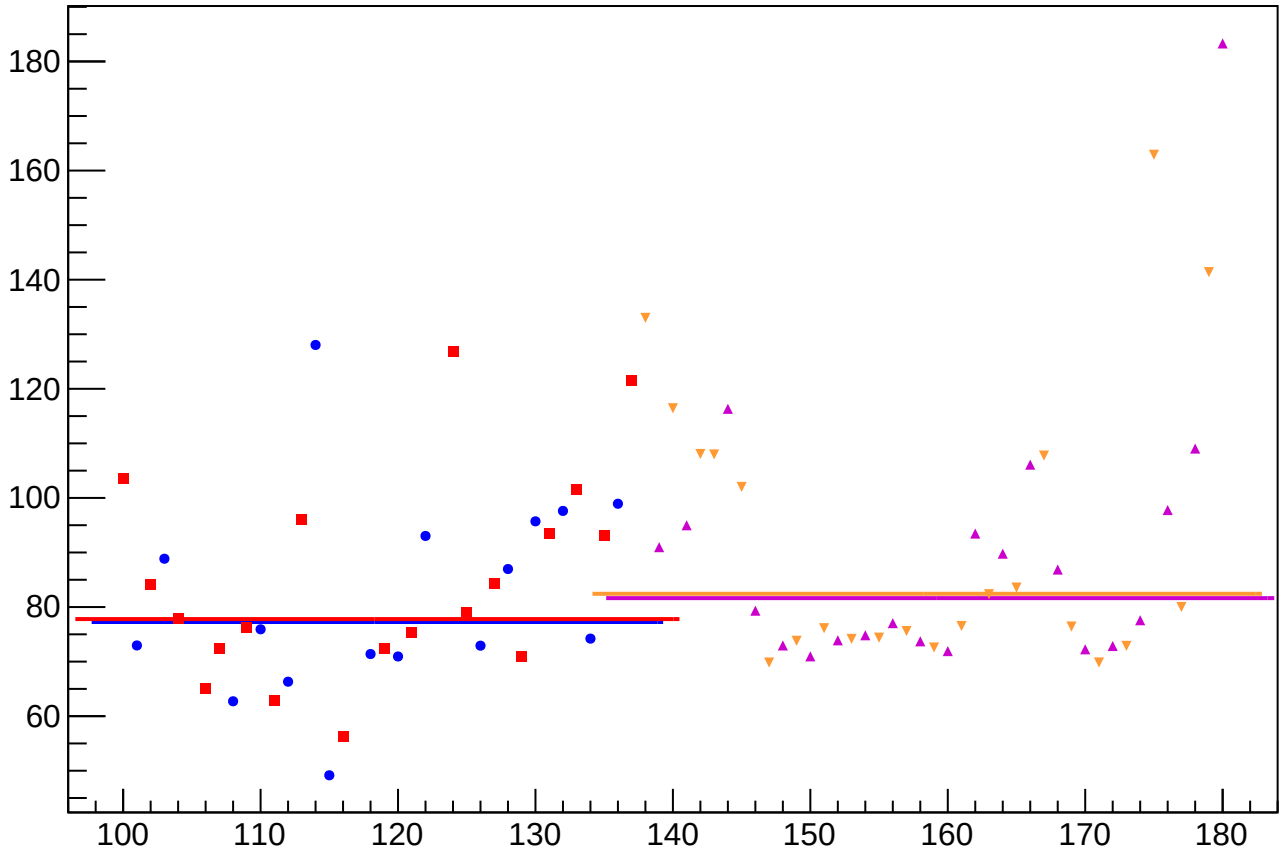
Left: -0.014+/-0.015 χ^2/NDF: 55.0/42

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.021+/-0.017 χ^2/NDF:49.5/36

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.008+/-0.012 χ^2/NDF: 98.4/77



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

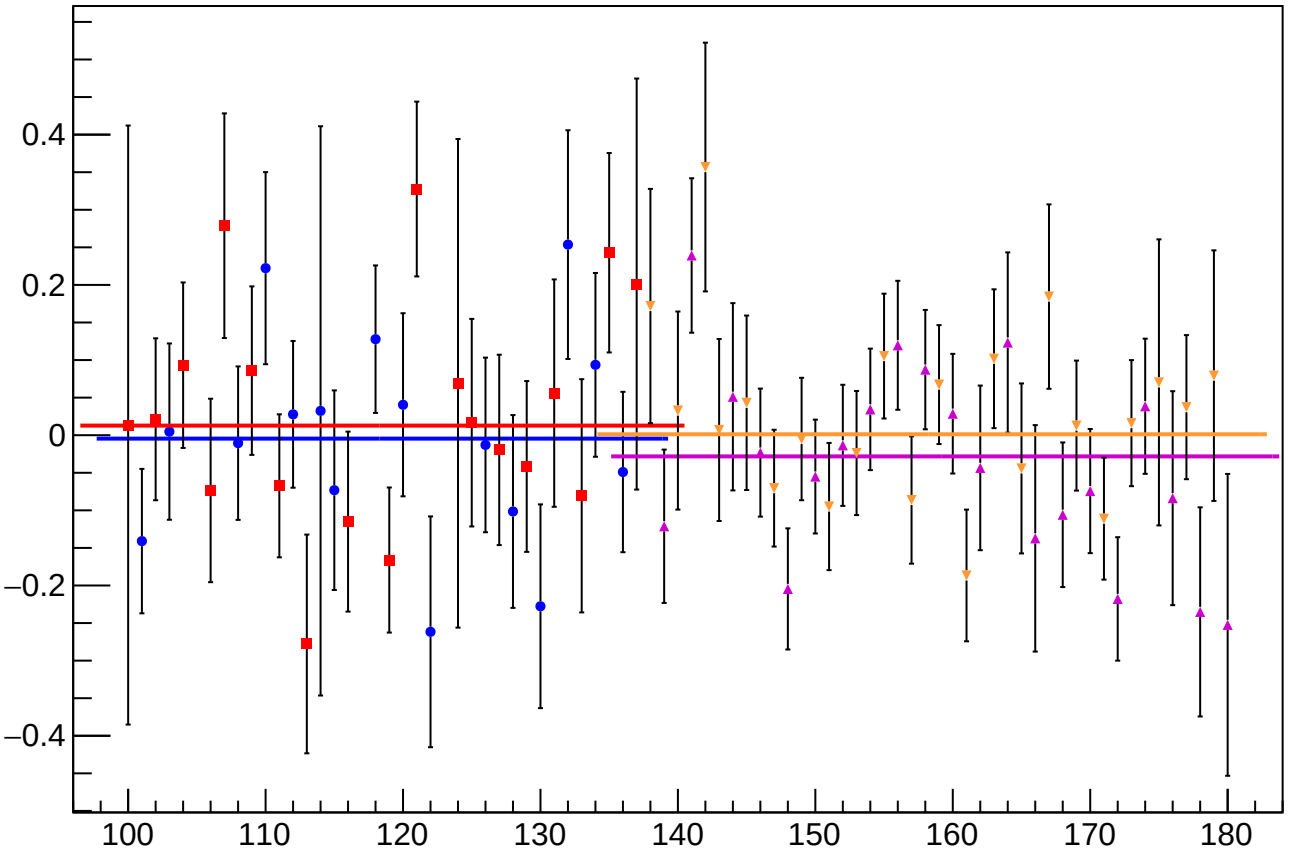
Left: 82.031+/-0.010 χ^2/NDF: 2612062.3/42

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.224+/-0.012 χ^2/NDF:1565431.2/36

Out: 80.909+/-0.012 χ^2/NDF:1922319.0/40

All: 80.567+/-0.009 χ^2/NDF: 3489365.9/77



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.021 χ^2/NDF:31.7/20

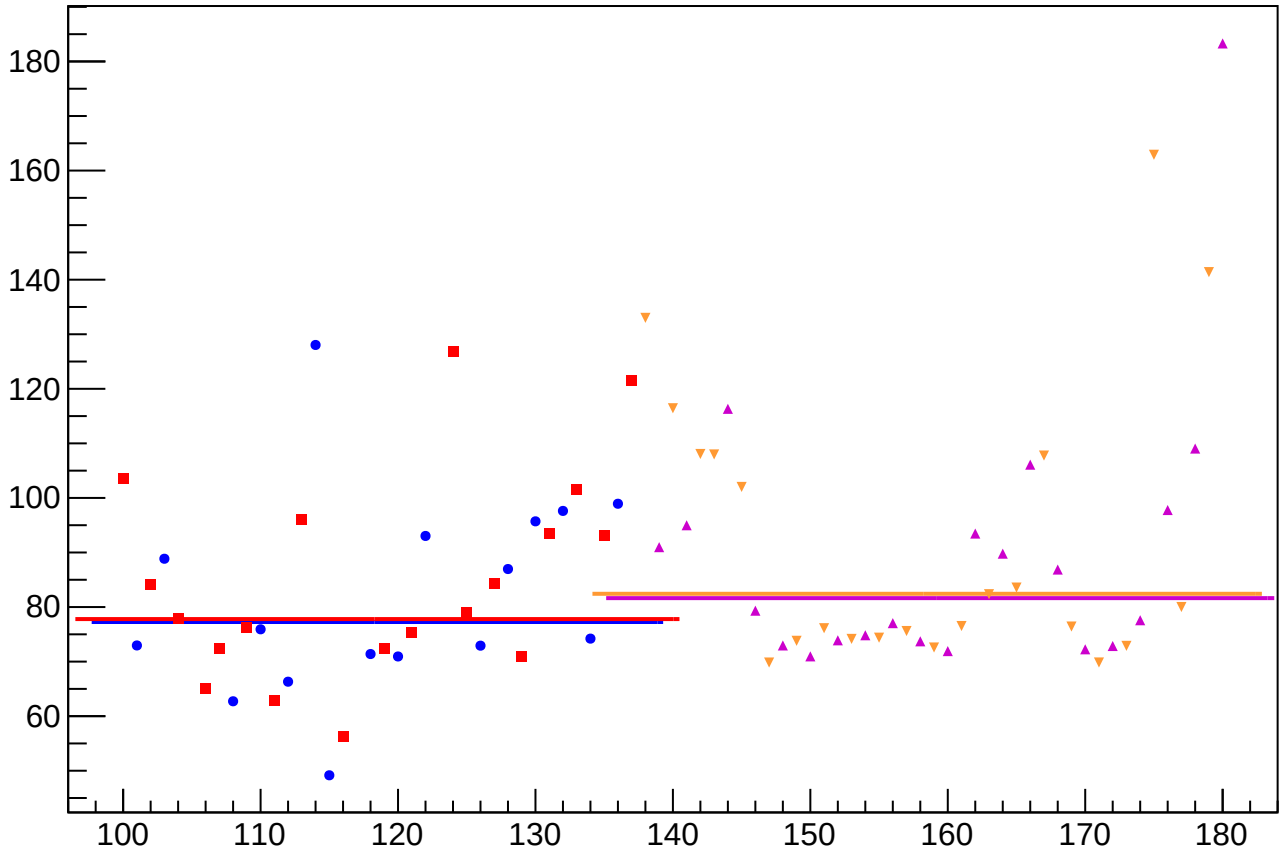
Left: -0.014+/-0.015 χ^2/NDF: 55.0/42

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.021+/-0.017 χ^2/NDF:49.5/36

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.008+/-0.012 χ^2/NDF: 98.4/77



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.634+/-0.015 χ^2/NDF:1117405.3/20

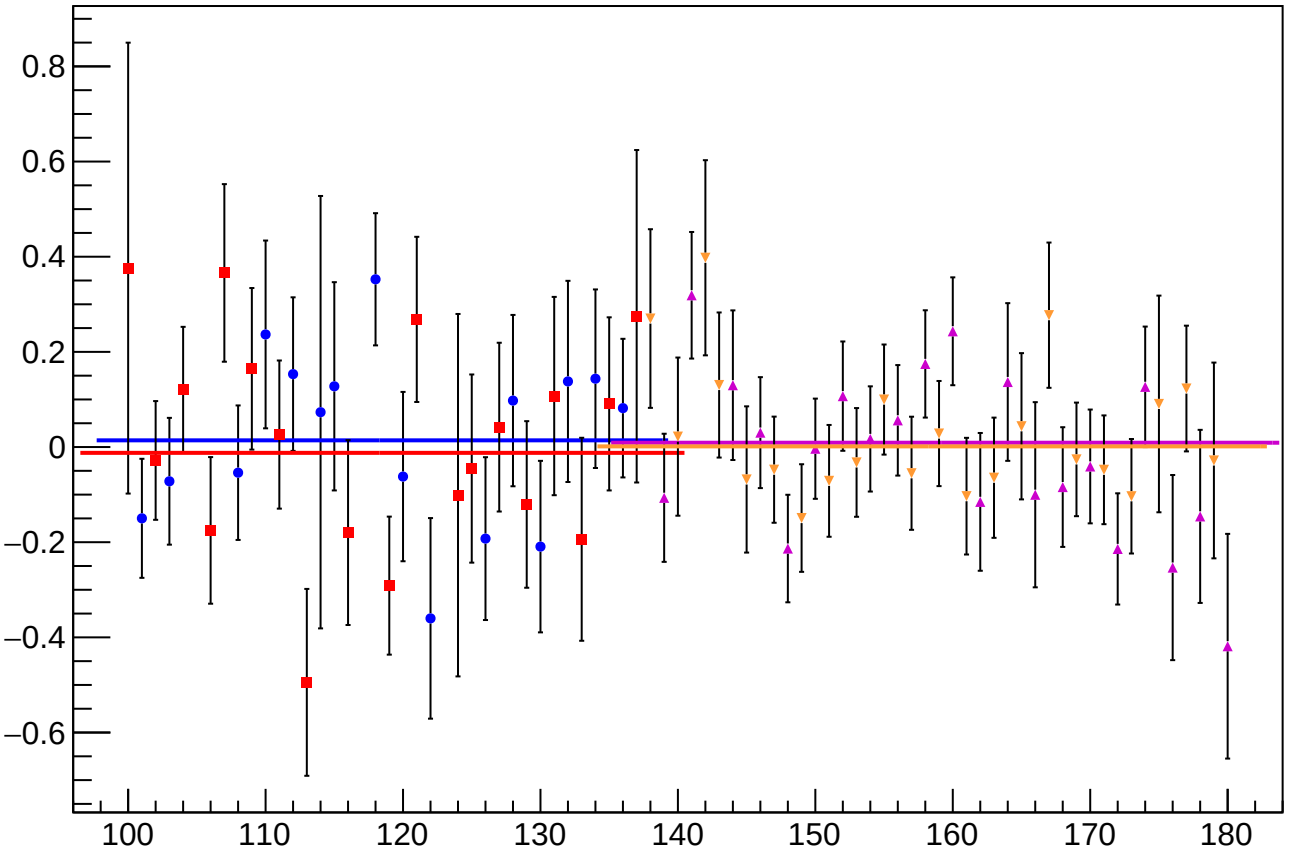
Left: 82.031+/-0.010 χ^2/NDF: 2612062.3/42

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.224+/-0.012 χ^2/NDF:1565431.2/36

Out: 80.909+/-0.012 χ^2/NDF:1922319.0/40

All: 80.567+/-0.009 χ^2/NDF: 3489365.9/77



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.001+/-0.028 χ^2/NDF:16.5/21

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.009+/-0.028 χ^2/NDF:30.7/20

Left: 0.005+/-0.020 χ^2/NDF: 47.3/42

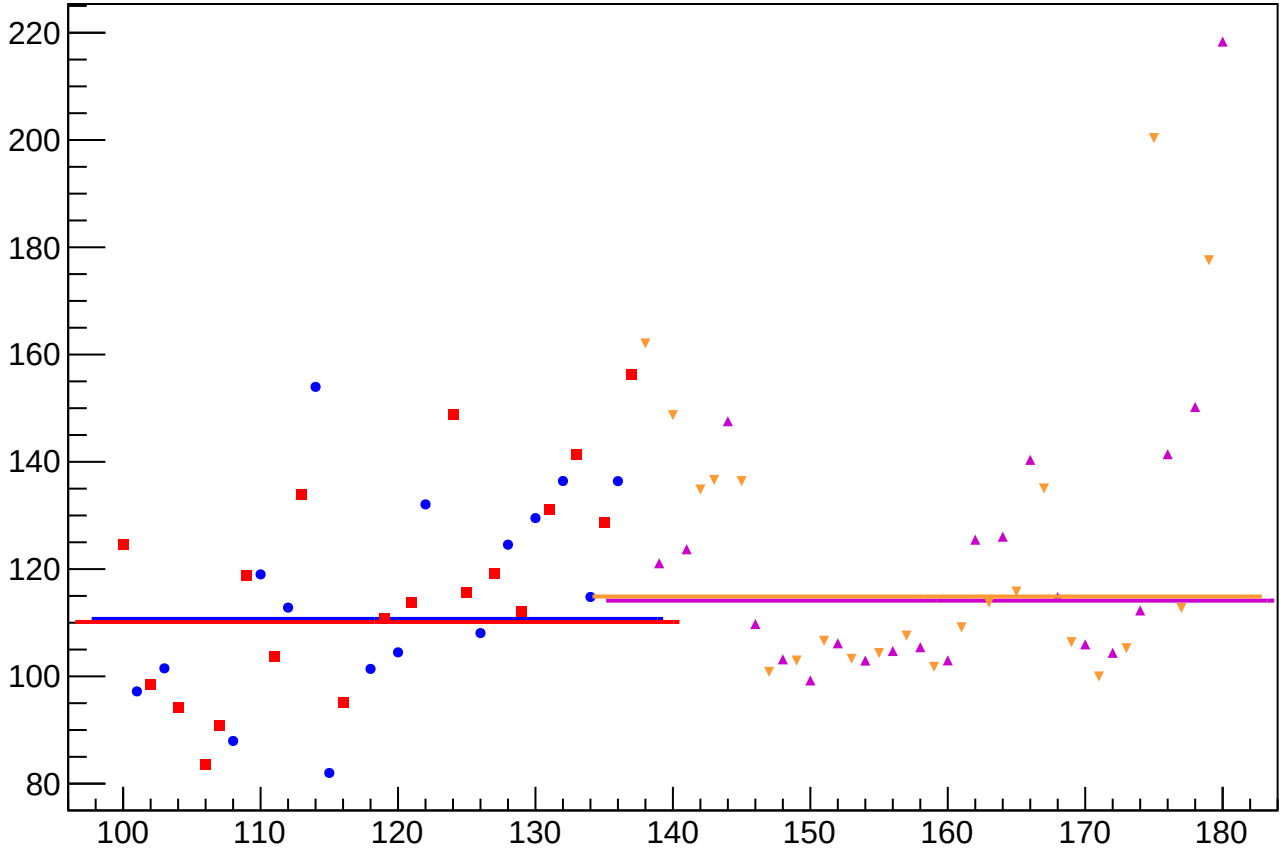
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.011+/-0.024 χ^2/NDF:48.9/36

Out: -0.003+/-0.023 χ^2/NDF:40.3/40

All: 0.004+/-0.017 χ^2/NDF: 89.4/77

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.893+/-0.020 χ^2/NDF:1009299.8/21

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 114.121+/-0.020 χ^2/NDF:832537.4/20

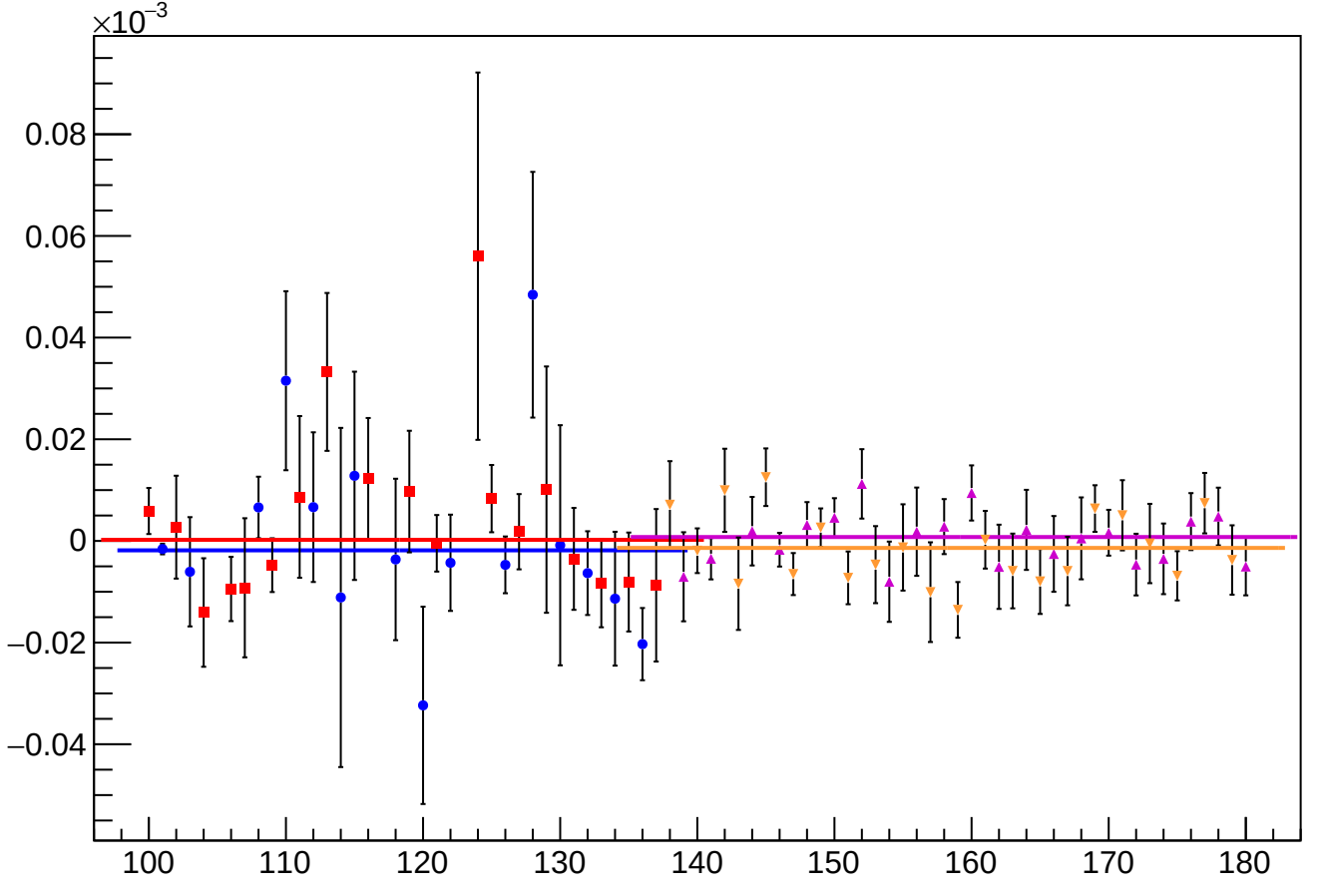
Left: 114.507+/-0.014 χ^2/NDF: 1842576.0/42

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 113.059+/-0.017 χ^2/NDF:1141449.6/36

Out: 113.369+/-0.017 χ^2/NDF:1353966.5/40

All: 113.215+/-0.012 χ^2/NDF: 2495589.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/20

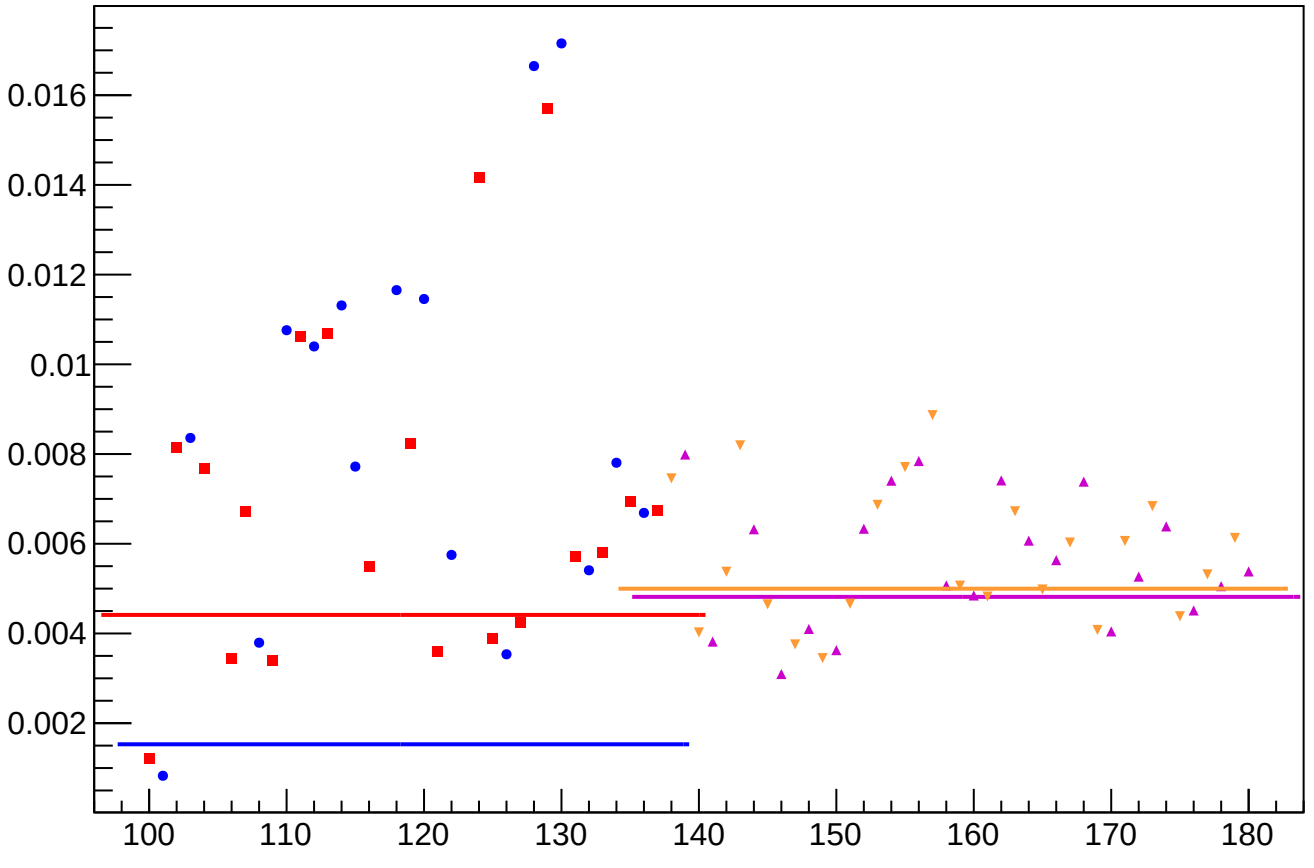
Left: -0.000+/-0.000 χ^2/NDF: 44.1/42

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:38.1/36

Out: -0.000+/-0.000 χ^2/NDF:49.1/40

All: -0.000+/-0.000 χ^2/NDF: 87.2/77



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2174619.6/21

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2501303.6/20

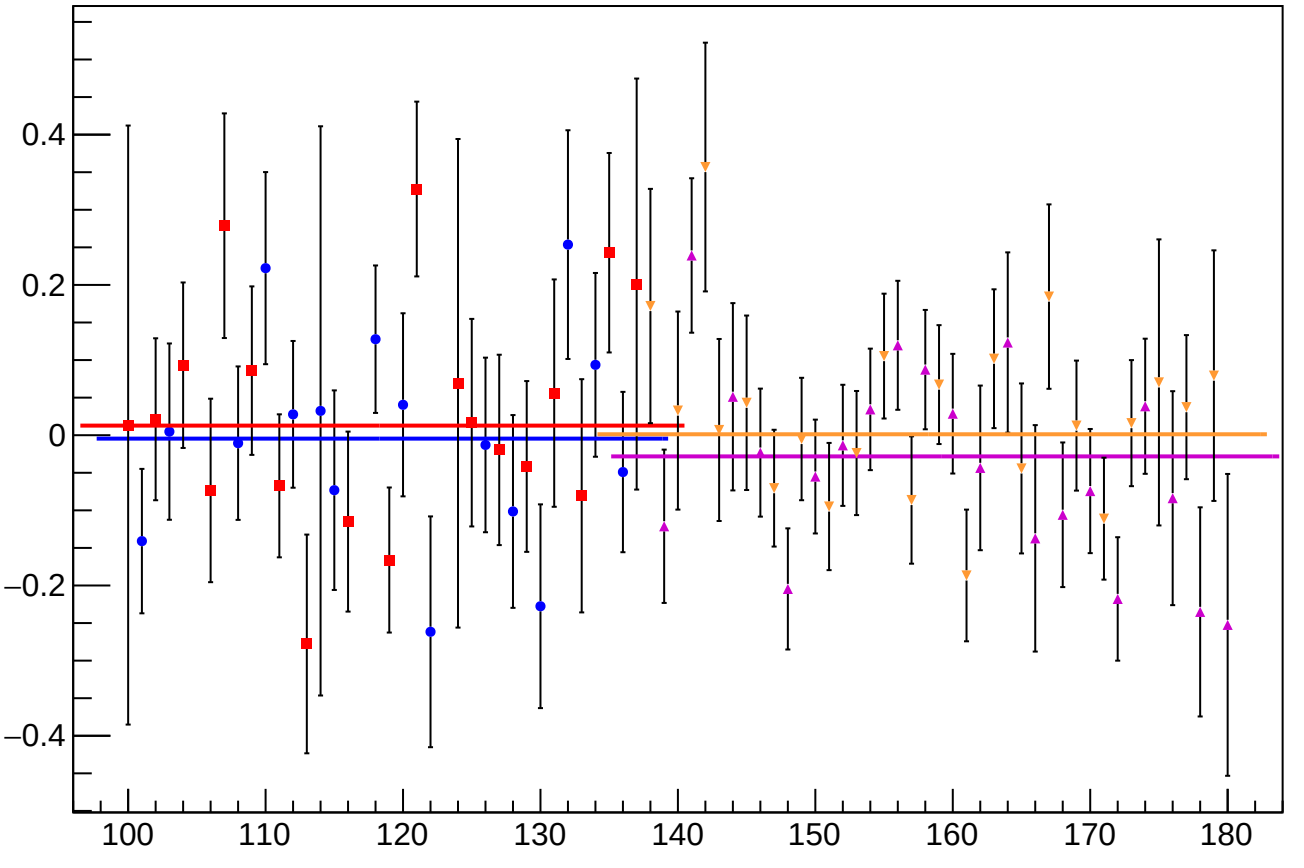
Left: 0.005+/-0.000 χ^2/NDF: 4697762.9/42

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.003+/-0.000 χ^2/NDF:20646610.9/36

Out: 0.005+/-0.000 χ^2/NDF:5692268.8/40

All: 0.004+/-0.000 χ^2/NDF: 31153651.2/77



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.021 χ^2/NDF:31.7/20

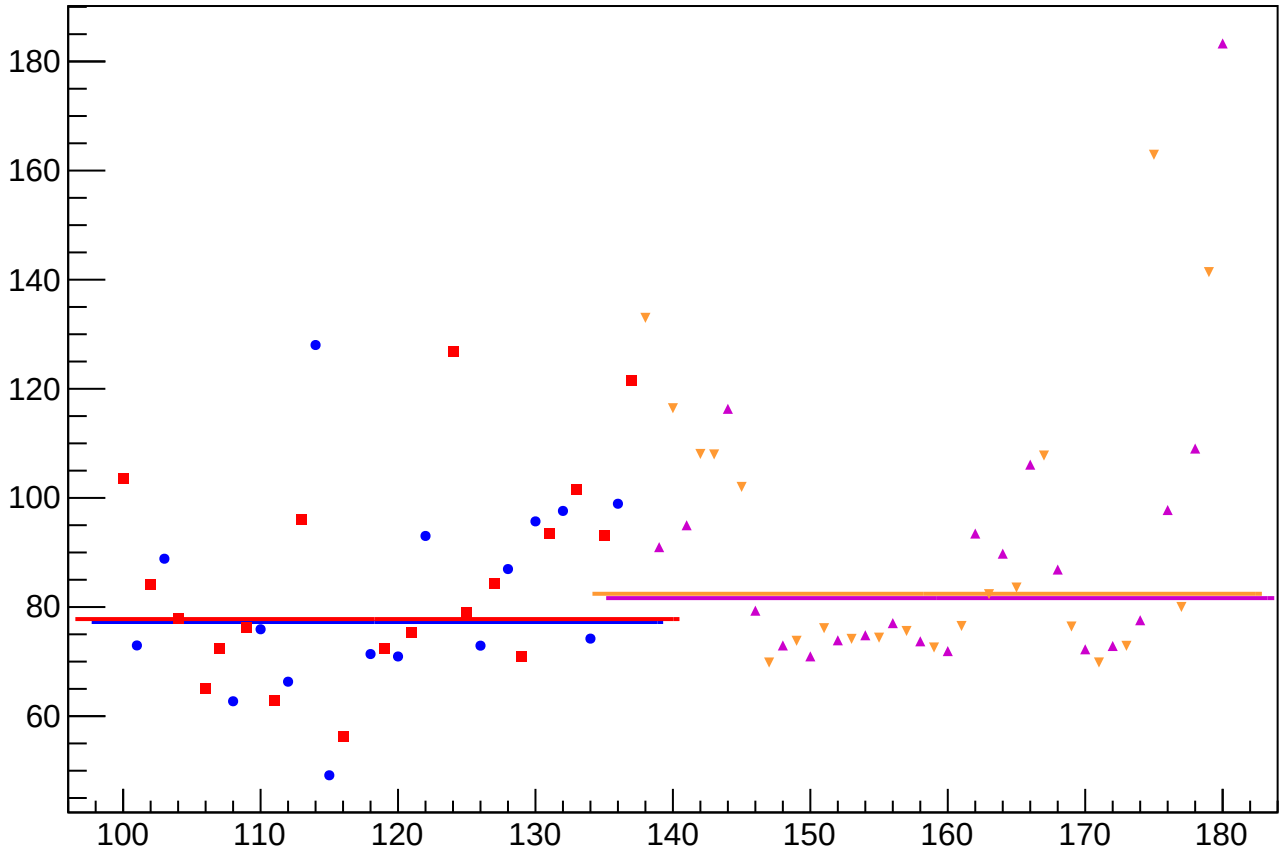
Left: -0.014+/-0.015 χ^2/NDF: 55.0/42

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.021+/-0.017 χ^2/NDF:49.5/36

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.008+/-0.012 χ^2/NDF: 98.4/77



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

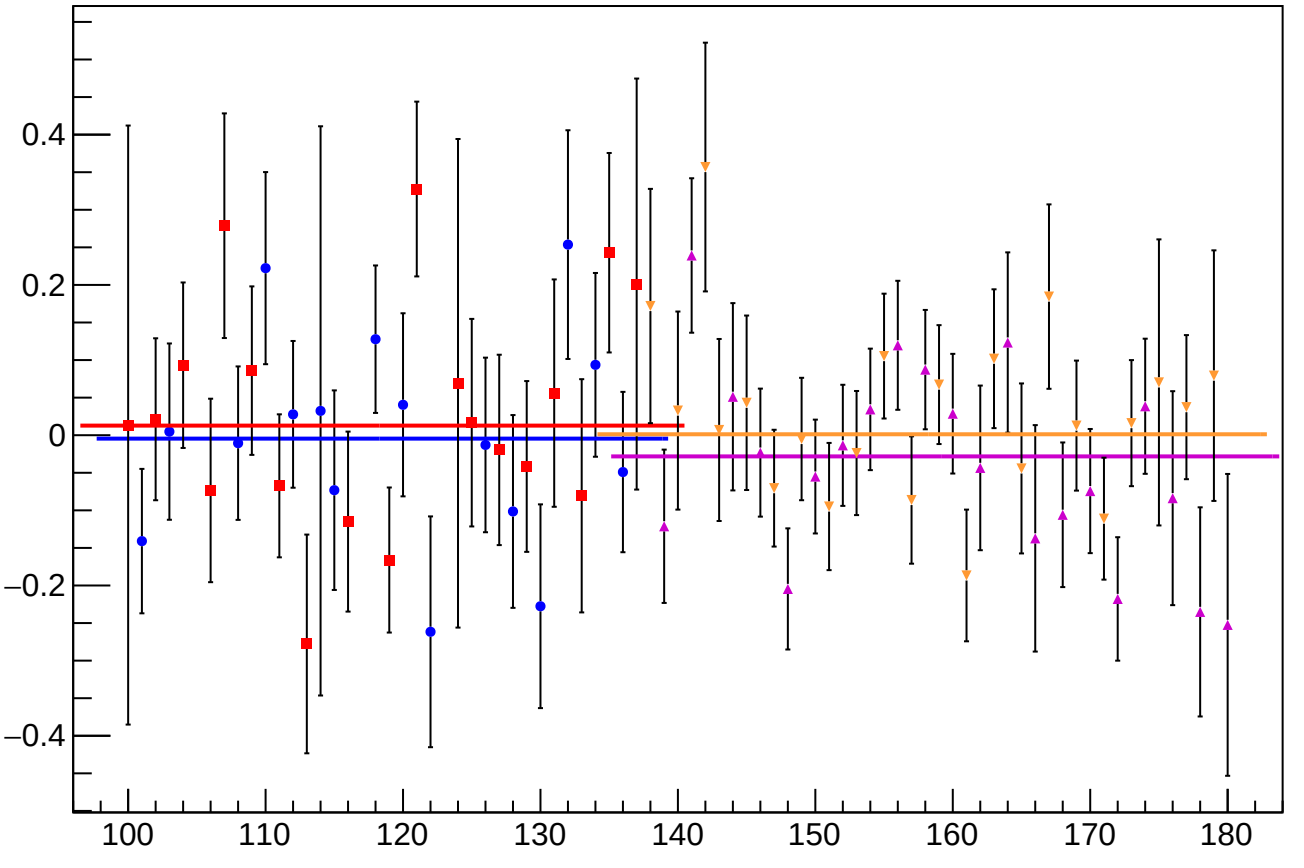
Left: 82.032+/-0.010 χ^2/NDF: 2612049.1/42

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.224+/-0.012 χ^2/NDF:1565440.5/36

Out: 80.909+/-0.012 χ^2/NDF:1922339.0/40

All: 80.567+/-0.009 χ^2/NDF: 3489395.6/77



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.028+/-0.021 χ^2/NDF:31.7/20

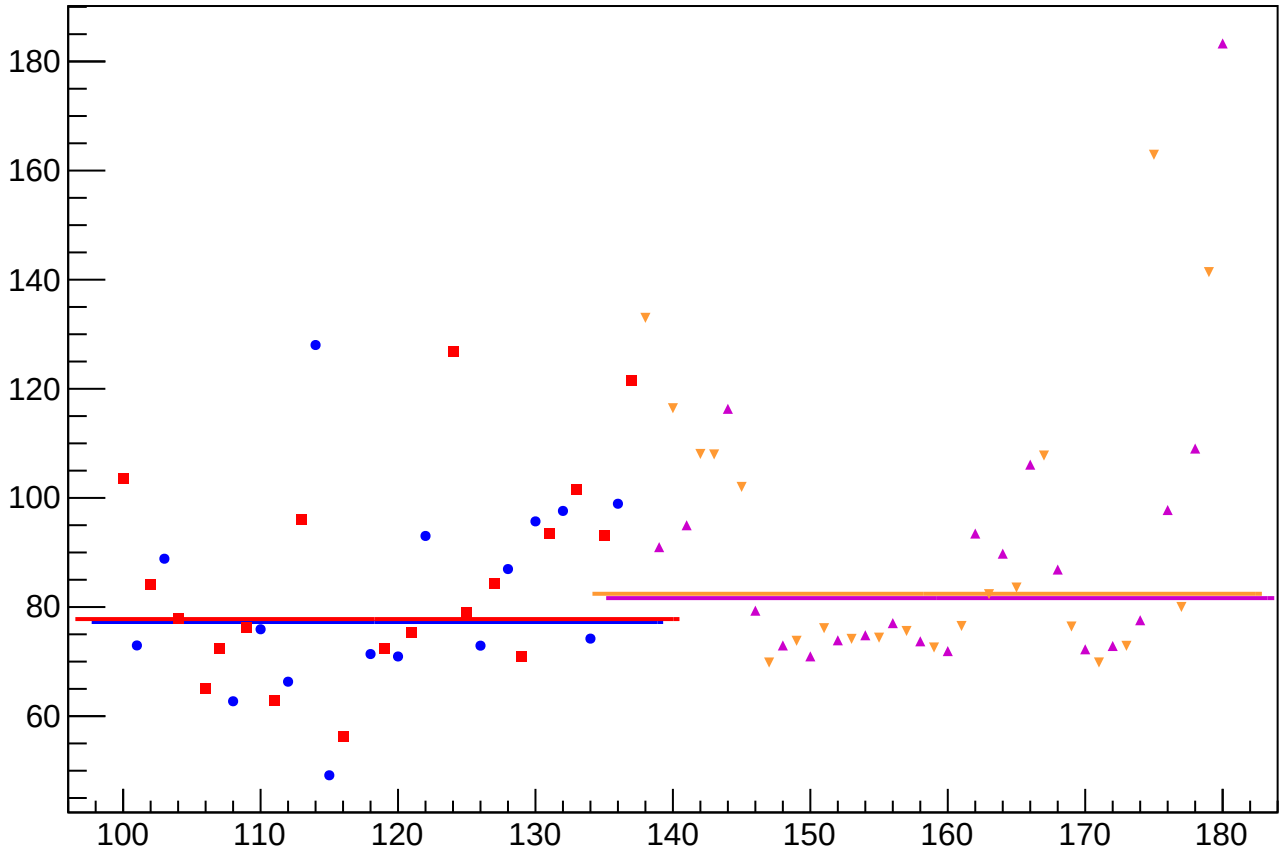
Left: -0.014+/-0.015 χ^2/NDF: 55.0/42

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.021+/-0.017 χ^2/NDF:49.5/36

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.008+/-0.012 χ^2/NDF: 98.4/77



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.635+/-0.015 χ^2/NDF:1117400.4/20

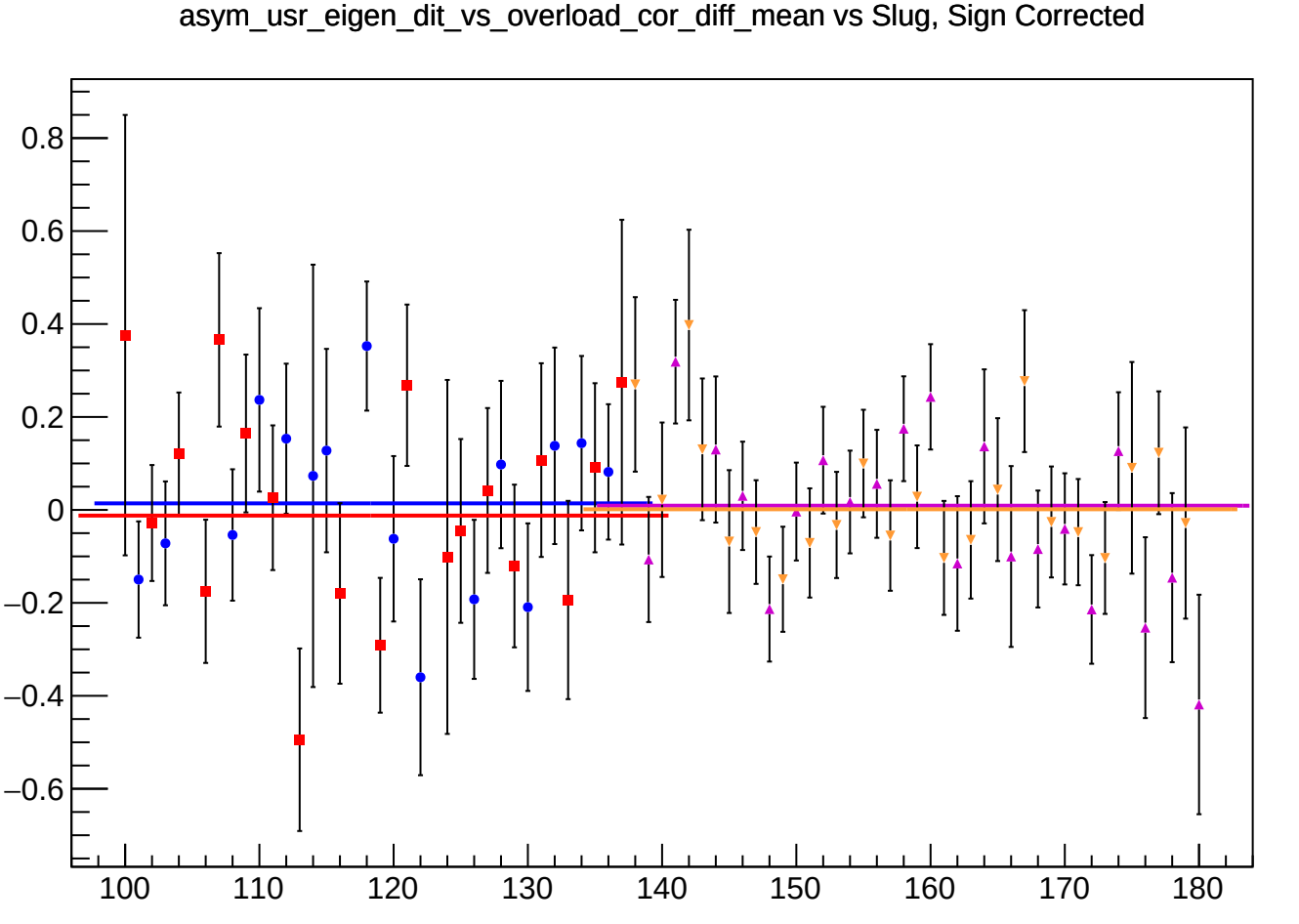
Left: 82.032+/-0.010 χ^2/NDF: 2612049.1/42

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.224+/-0.012 χ^2/NDF:1565440.5/36

Out: 80.909+/-0.012 χ^2/NDF:1922339.0/40

All: 80.567+/-0.009 χ^2/NDF: 3489395.6/77



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.001+/-0.028 χ^2/NDF:16.5/21

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.009+/-0.028 χ^2/NDF:30.7/20

Left: 0.005+/-0.020 χ^2/NDF: 47.3/42

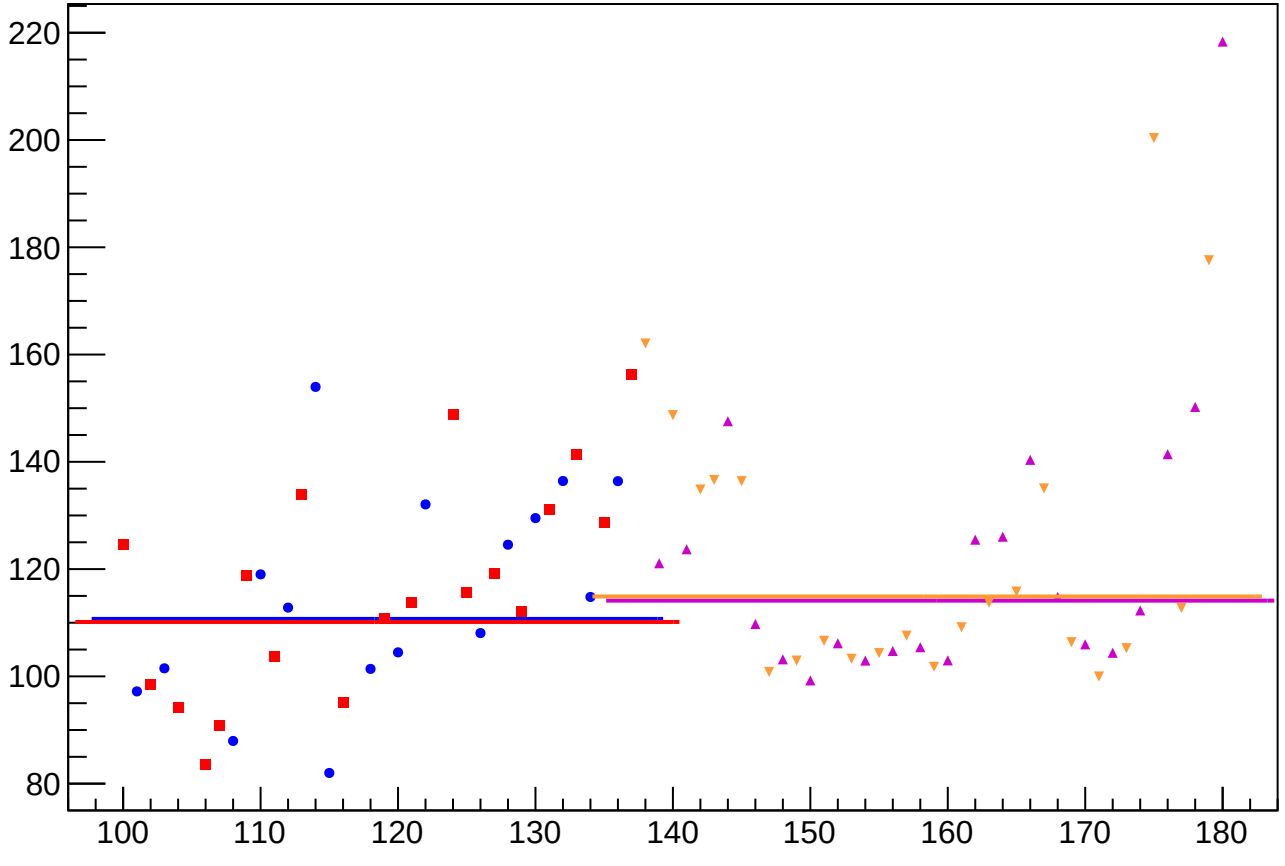
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.011+/-0.024 χ^2/NDF:48.9/36

Out: -0.003+/-0.023 χ^2/NDF:40.3/40

All: 0.004+/-0.017 χ^2/NDF: 89.4/77

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.894+/-0.020 χ^2/NDF:1009294.4/21

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 114.121+/-0.020 χ^2/NDF:832536.3/20

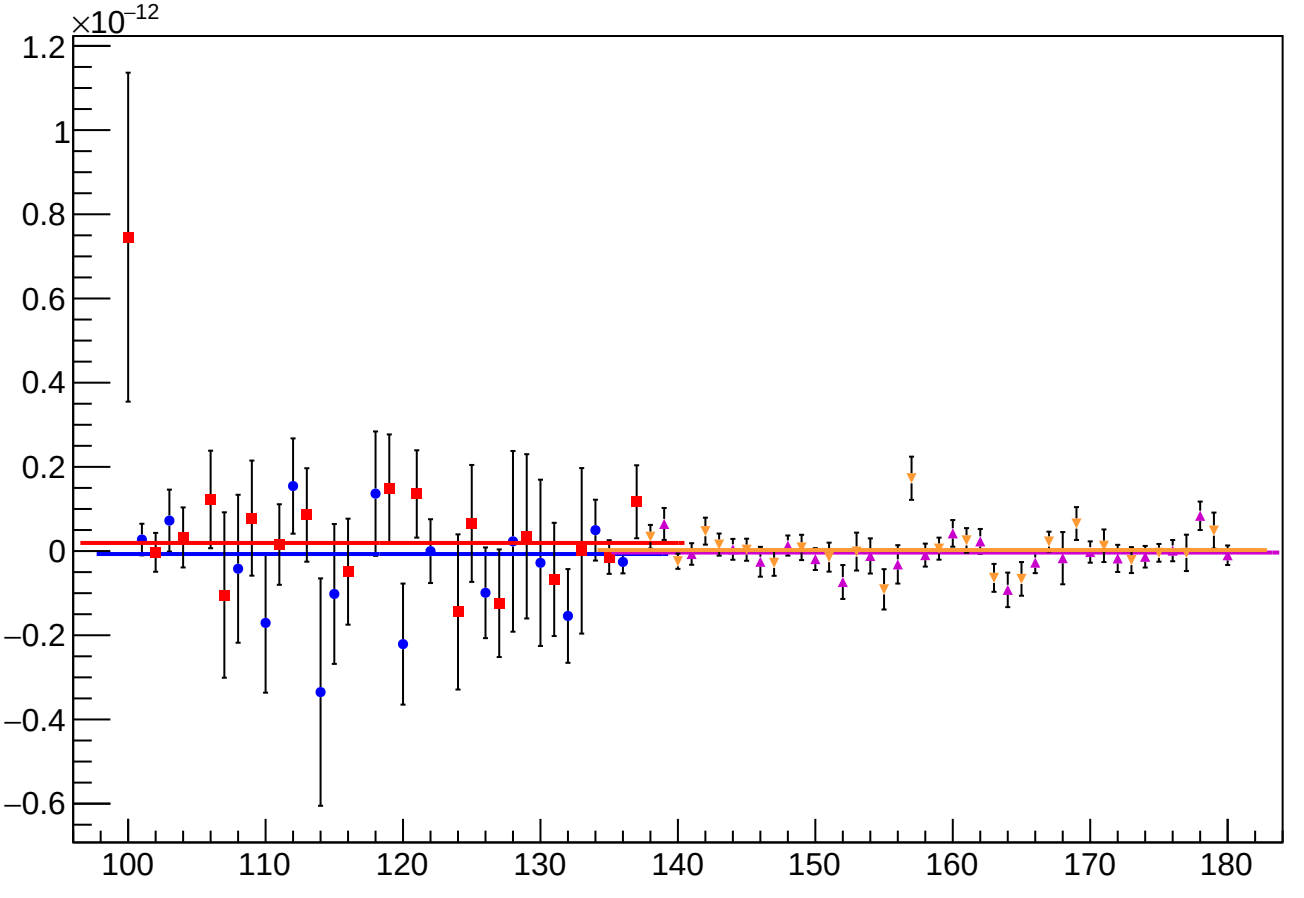
Left: 114.508+/-0.014 χ^2/NDF: 1842569.7/42

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 113.059+/-0.017 χ^2/NDF:1141430.7/36

Out: 113.369+/-0.017 χ^2/NDF:1353940.9/40

All: 113.215+/-0.012 χ^2/NDF: 2495545.2/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:23.7/20

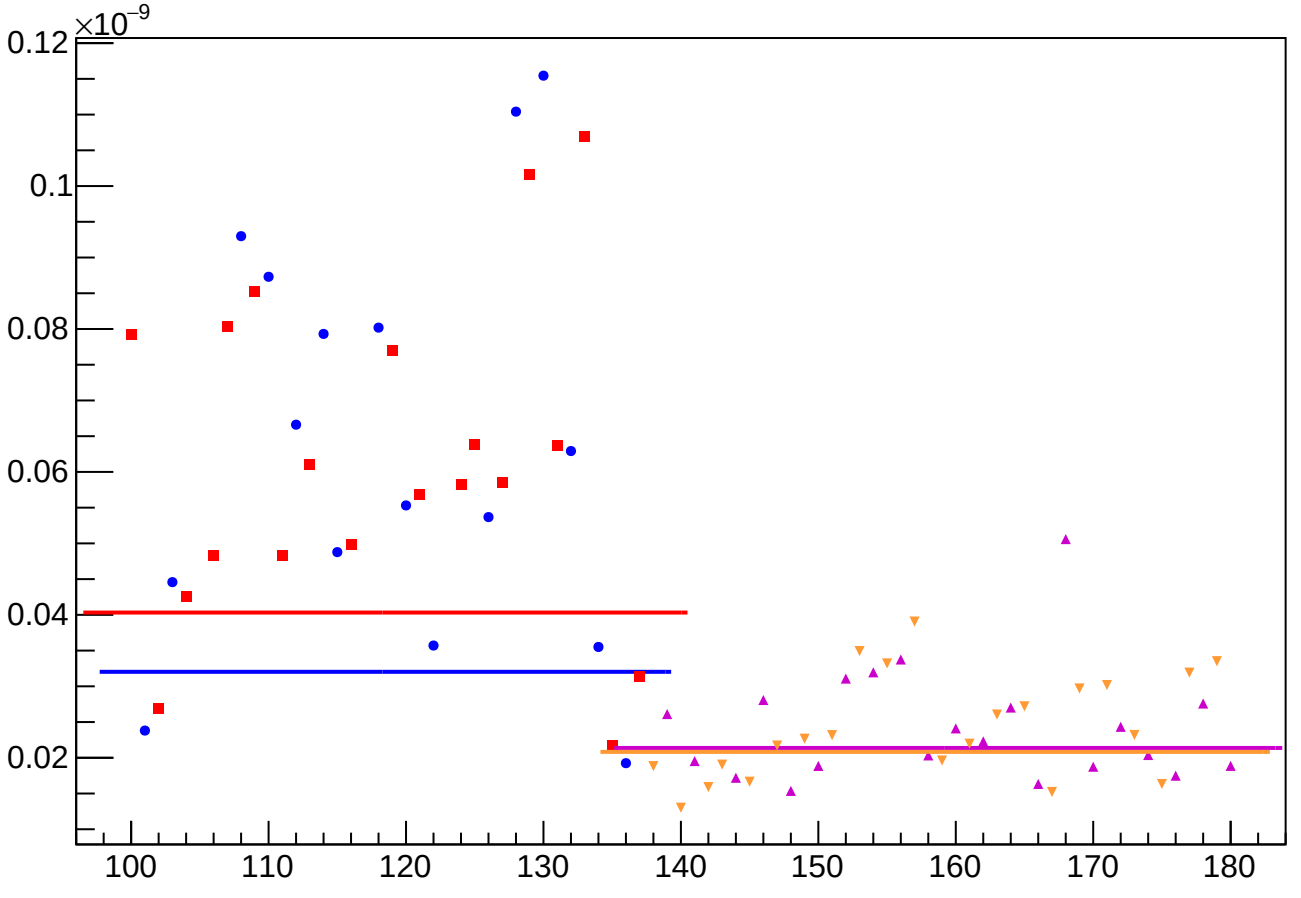
Left: -0.000+/-0.000 χ^2/NDF: 58.6/42

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:37.3/36

Out: 0.000+/-0.000 χ^2/NDF:47.7/40

All: -0.000+/-0.000 χ^2/NDF: 85.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1940645.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1469542.8/20

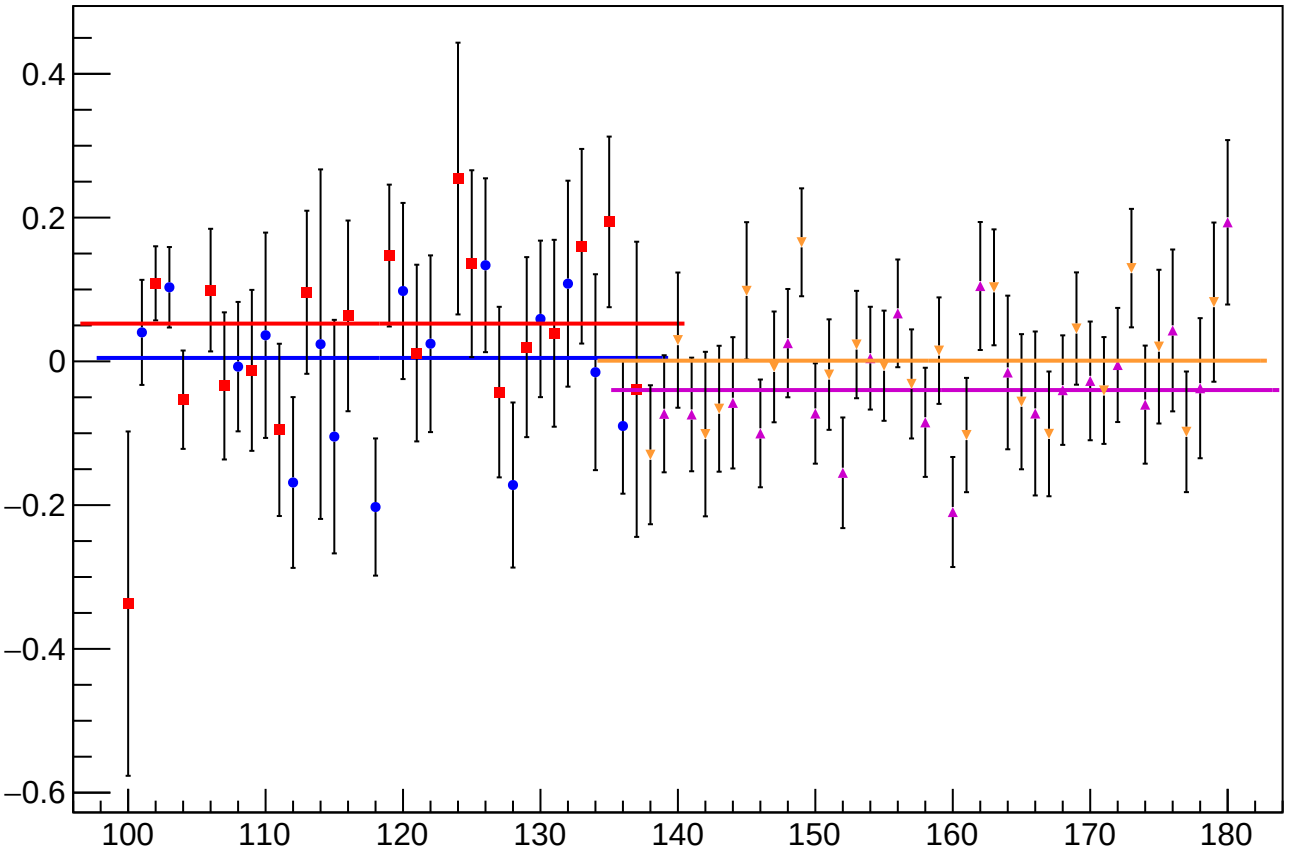
Left: 0.000+/-0.000 χ^2/NDF: 3417405.2/42

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4554272.0/36

Out: 0.000+/-0.000 χ^2/NDF:5366461.2/40

All: 0.000+/-0.000 χ^2/NDF: 9921149.8/77



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/20

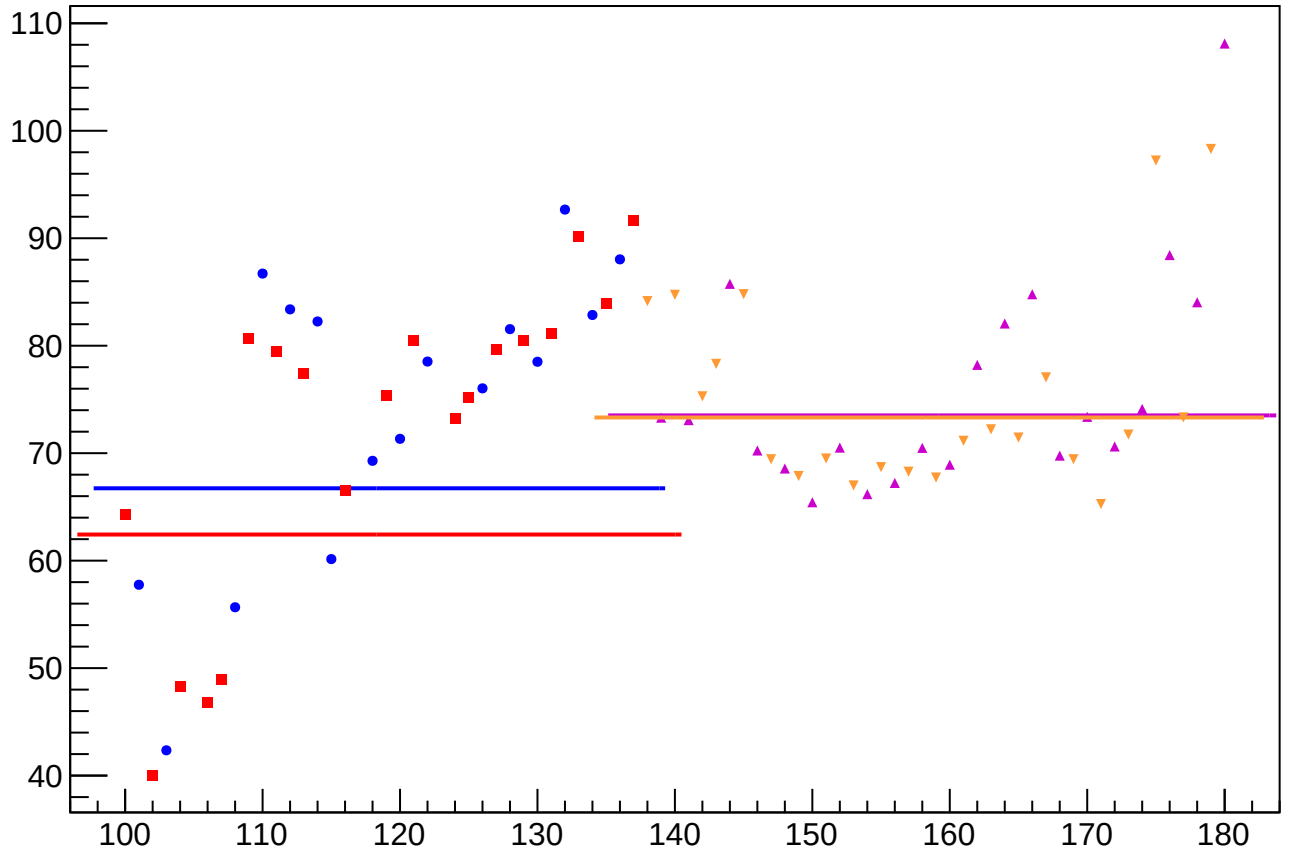
Left: -0.019+/-0.013 χ^2/NDF: 41.9/42

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.015 χ^2/NDF:38.3/36

Out: 0.019+/-0.014 χ^2/NDF:37.4/40

All: -0.002+/-0.010 χ^2/NDF: 80.3/77



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

Left: 73.416+/-0.009 χ^2/NDF: 800952.2/42

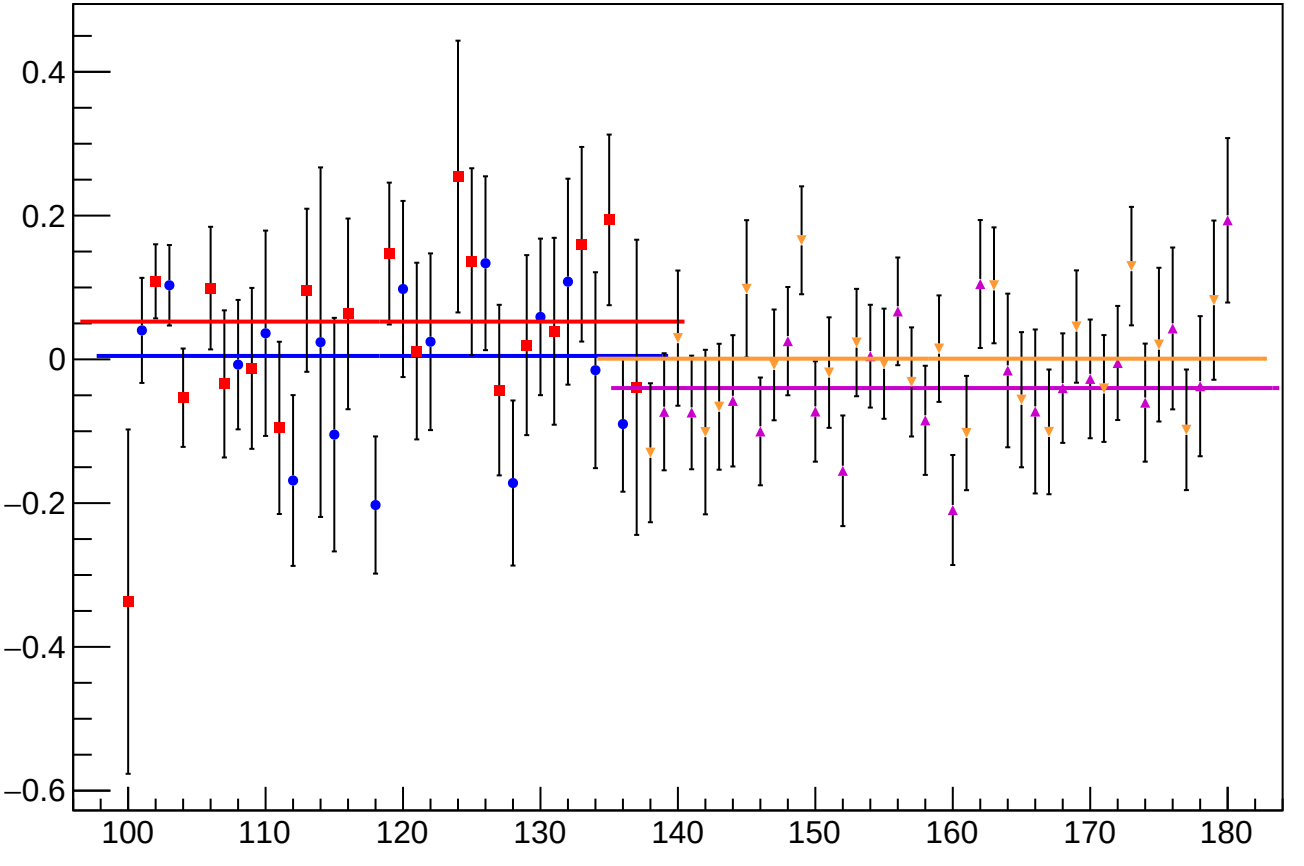
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 71.289+/-0.010 χ^2/NDF:1319546.0/36

Out: 69.443+/-0.010 χ^2/NDF:1767603.0/40

All: 70.337+/-0.007 χ^2/NDF: 3103126.5/77

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.040+/-0.018 χ^2/NDF:19.7/20

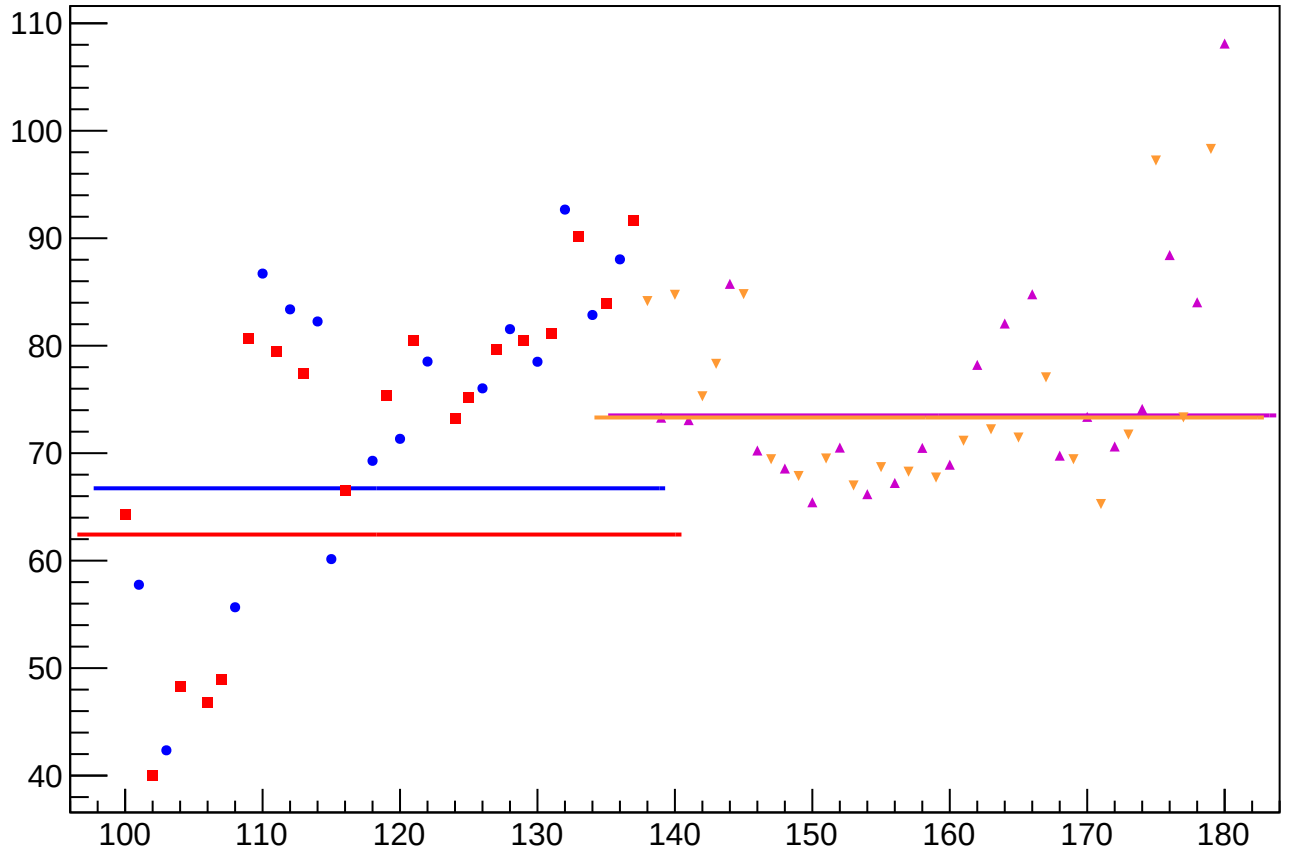
Left: -0.019+/-0.013 χ^2/NDF: 41.9/42

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.025+/-0.015 χ^2/NDF:38.3/36

Out: 0.019+/-0.014 χ^2/NDF:37.4/40

All: -0.002+/-0.010 χ^2/NDF: 80.3/77



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.514+/-0.013 χ^2/NDF:410638.7/20

Left: 73.416+/-0.009 χ^2/NDF: 800952.2/42

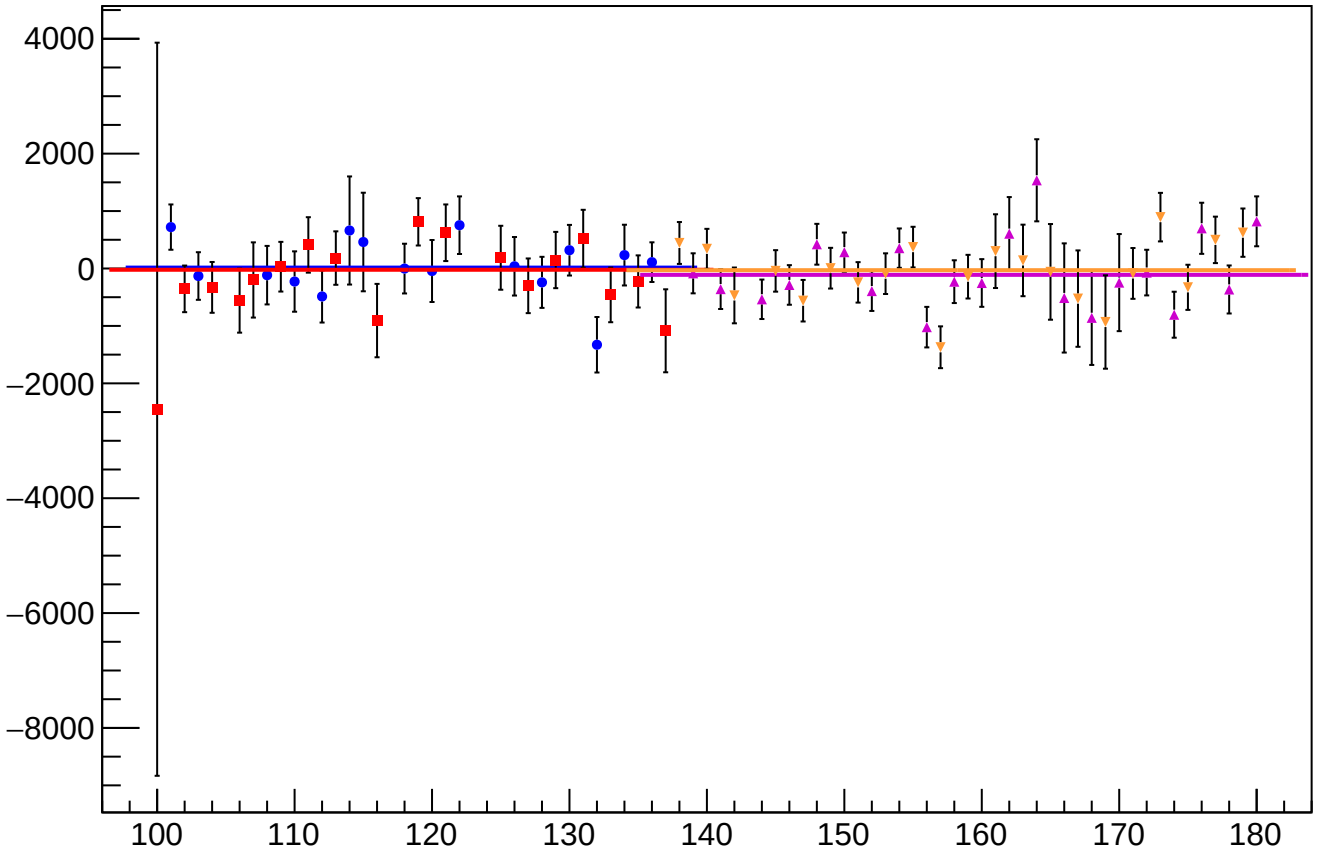
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 71.289+/-0.010 χ^2/NDF:1319546.0/36

Out: 69.443+/-0.010 χ^2/NDF:1767603.0/40

All: 70.337+/-0.007 χ^2/NDF: 3103126.5/77

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -29.566+/-91.254 χ^2/NDF:32.6/20

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -110.559+/-89.478 χ^2/NDF:34.2/20

Left: -70.858+/-63.889 χ^2/NDF: 67.2/41

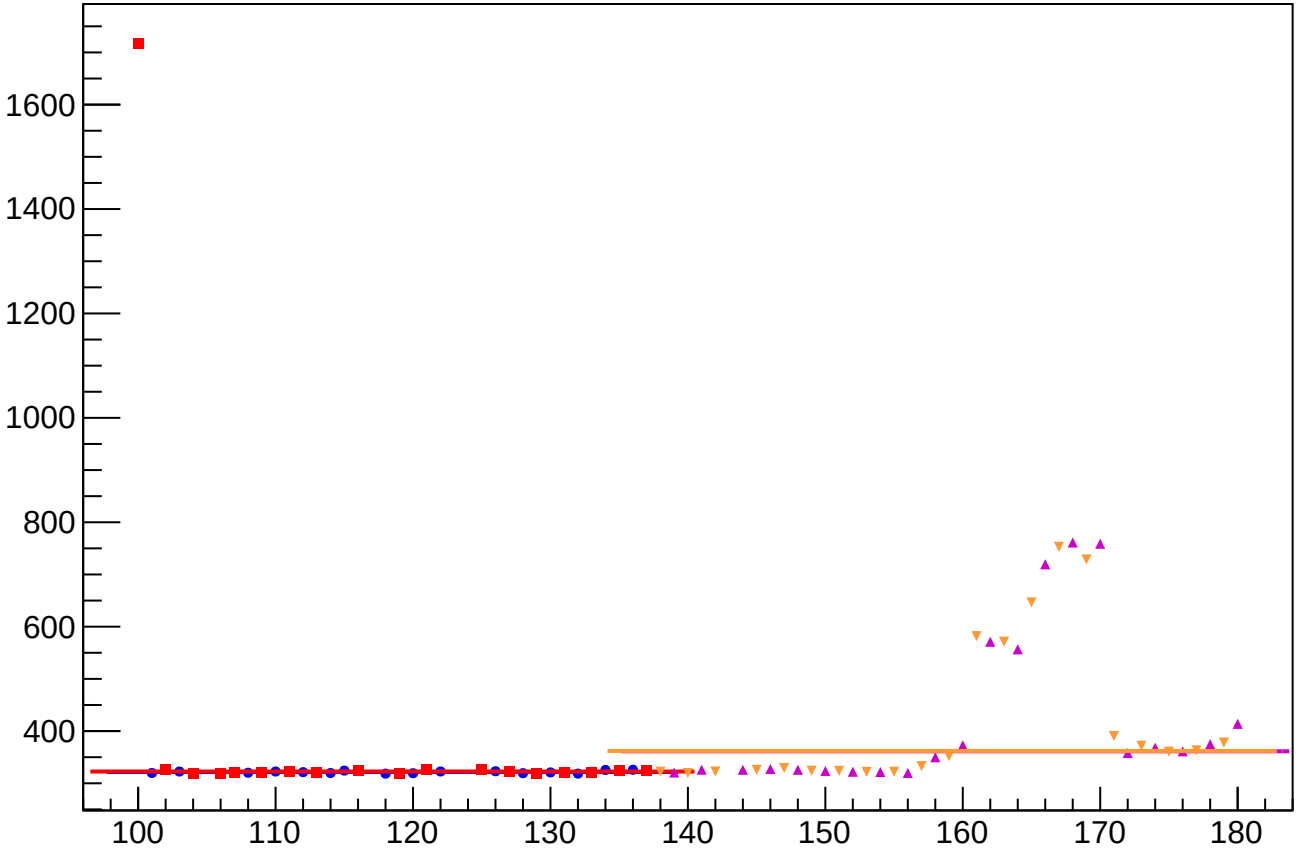
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -65.233+/-71.610 χ^2/NDF:51.4/36

Out: -26.824+/-72.461 χ^2/NDF:48.6/38

All: -46.256+/-50.934 χ^2/NDF: 100.2/75

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.969+/-0.065 χ^2/NDF:1762008.4/20

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 361.266+/-0.063 χ^2/NDF:1815653.7/20

Left: 361.611+/-0.045 χ^2/NDF: 3577722.7/41

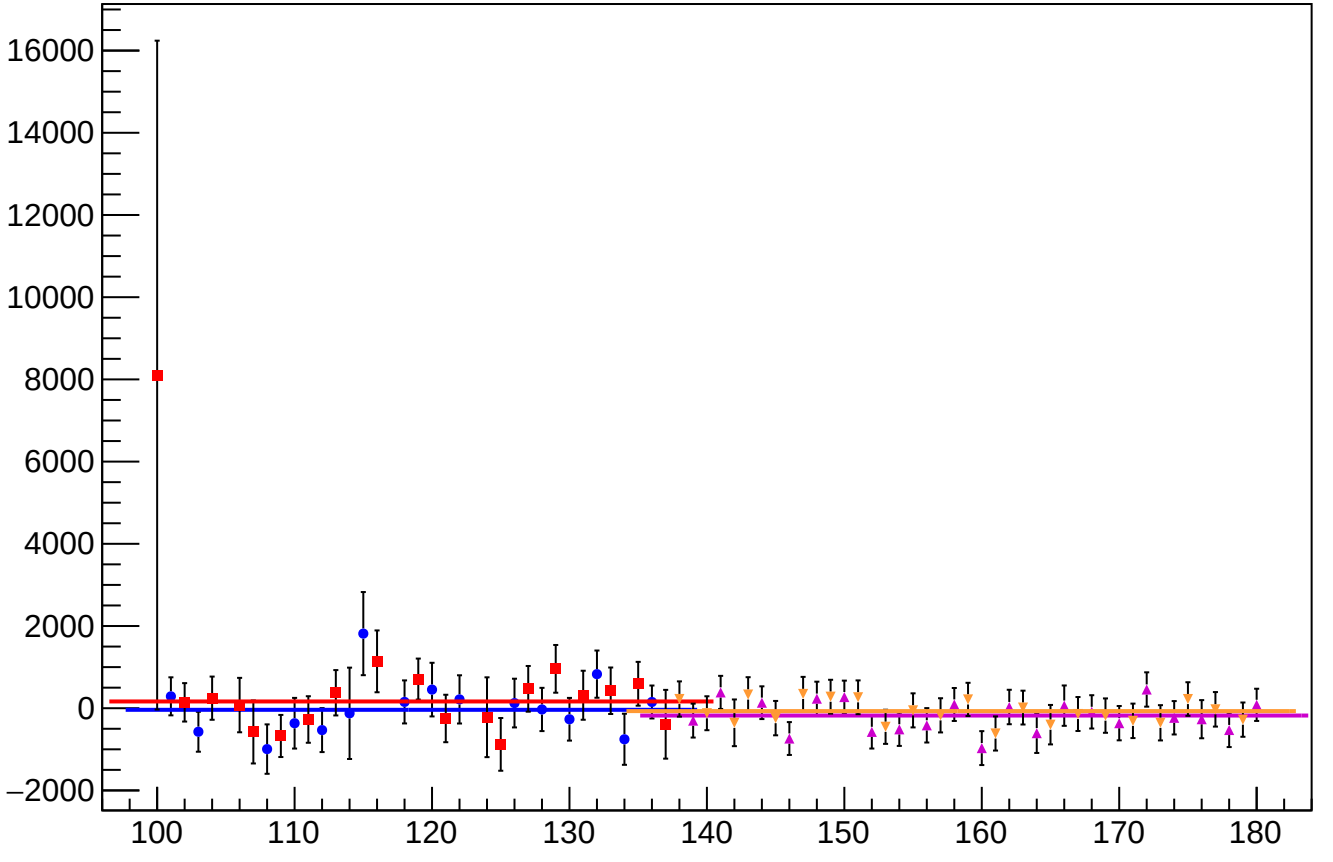
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 347.007+/-0.051 χ^2/NDF:1957747.9/36

Out: 347.406+/-0.051 χ^2/NDF:1996765.5/38

All: 347.204+/-0.036 χ^2/NDF: 3954544.2/75

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -70.031+/-90.147 χ^2/NDF:9.5/21

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -178.058+/-90.734 χ^2/NDF:18.0/20

Left: -123.694+/-63.950 χ^2/NDF: 28.2/42

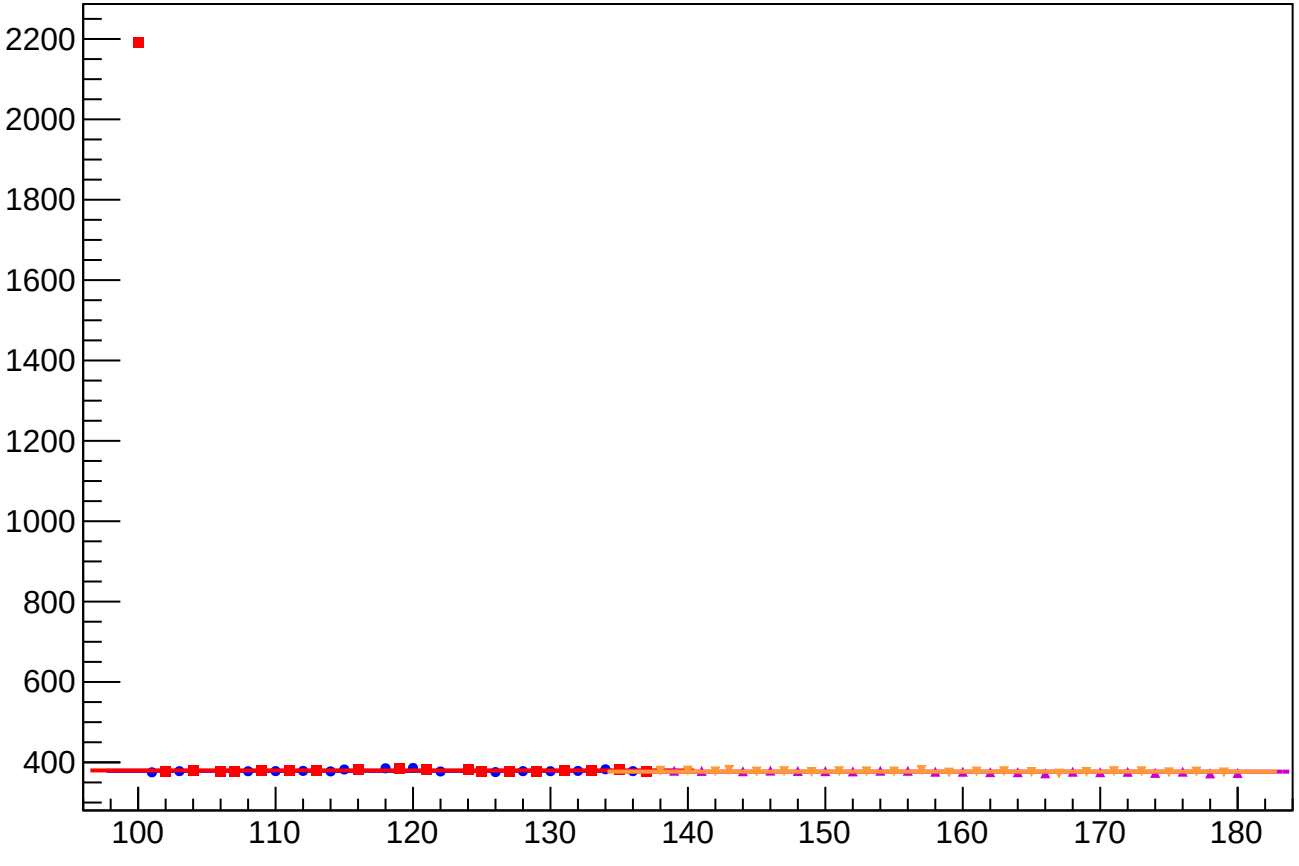
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -137.197+/-76.257 χ^2/NDF:32.4/36

Out: -0.525+/-75.628 χ^2/NDF:26.6/40

All: -68.295+/-53.698 χ^2/NDF: 60.7/77

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.993+/-0.064 χ^2/NDF:1001.7/21

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 376.881+/-0.064 χ^2/NDF:1067.3/20

Left: 376.938+/-0.045 χ^2/NDF: 2070.6/42

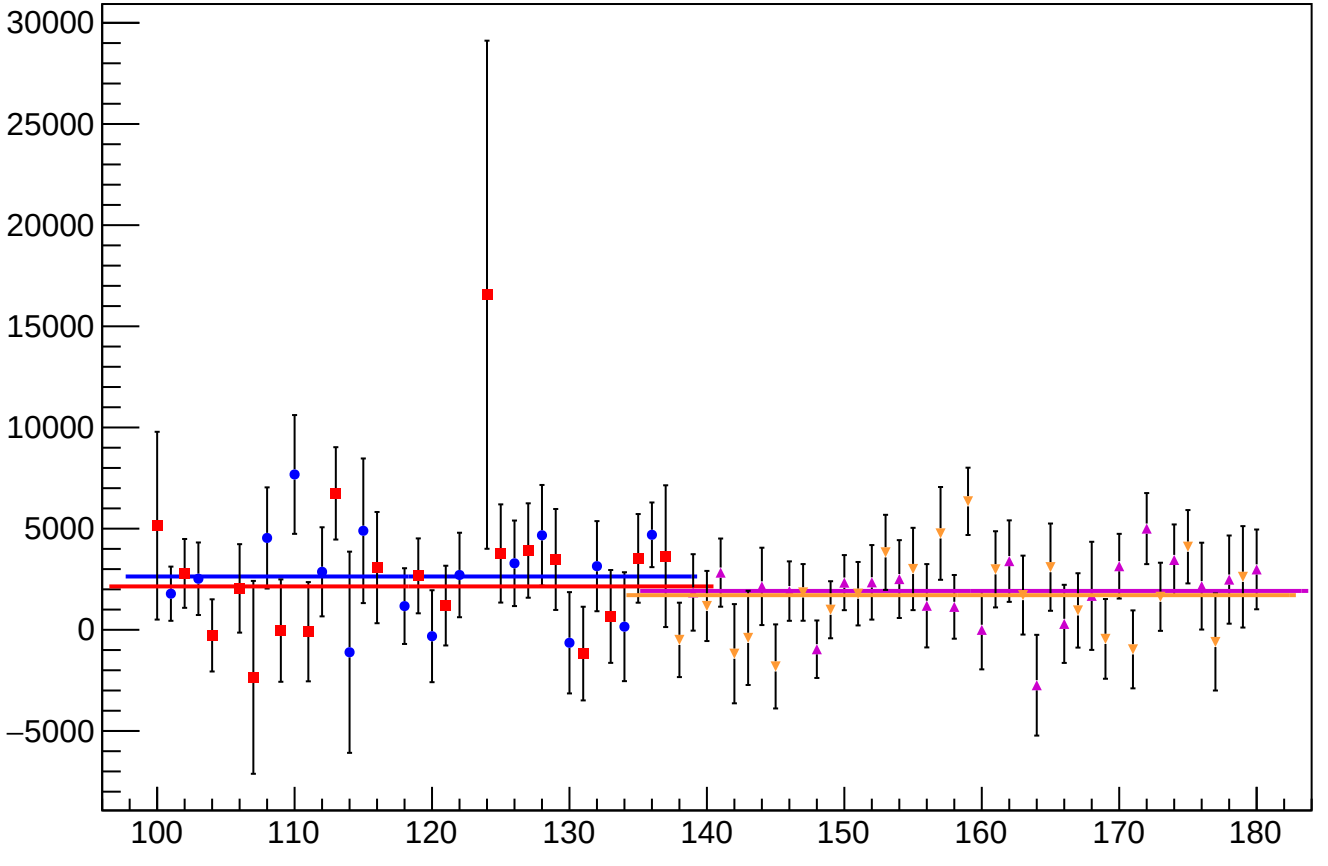
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.477+/-0.054 χ^2/NDF:2212.1/36

Out: 377.847+/-0.053 χ^2/NDF:101229.9/40

All: 377.664+/-0.038 χ^2/NDF: 103465.8/77

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1712.307+/-398.805 χ^2/NDF:25.1/21

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1921.612+/-394.933 χ^2/NDF:15.5/20

Left: 1817.980+/-280.619 χ^2/NDF: 40.8/42

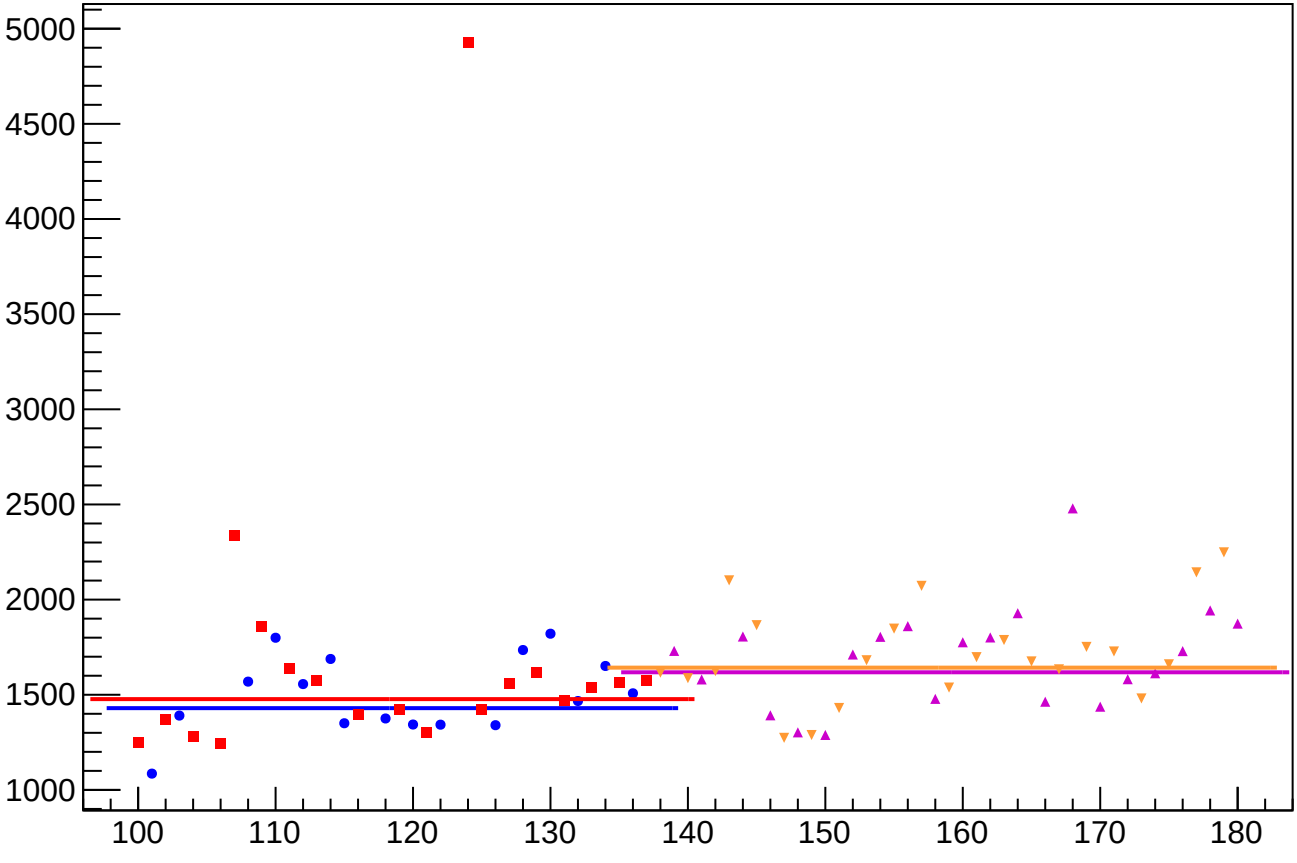
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2171.539+/-318.370 χ^2/NDF:28.9/36

Out: 1862.344+/-322.244 χ^2/NDF:40.6/40

All: 2018.811+/-226.479 χ^2/NDF: 70.0/77

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1642.545+/-0.282 χ^2/NDF:750180.6/21

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1618.089+/-0.279 χ^2/NDF:748912.1/20

Left: 1630.198+/-0.198 χ^2/NDF: 1502890.2/42

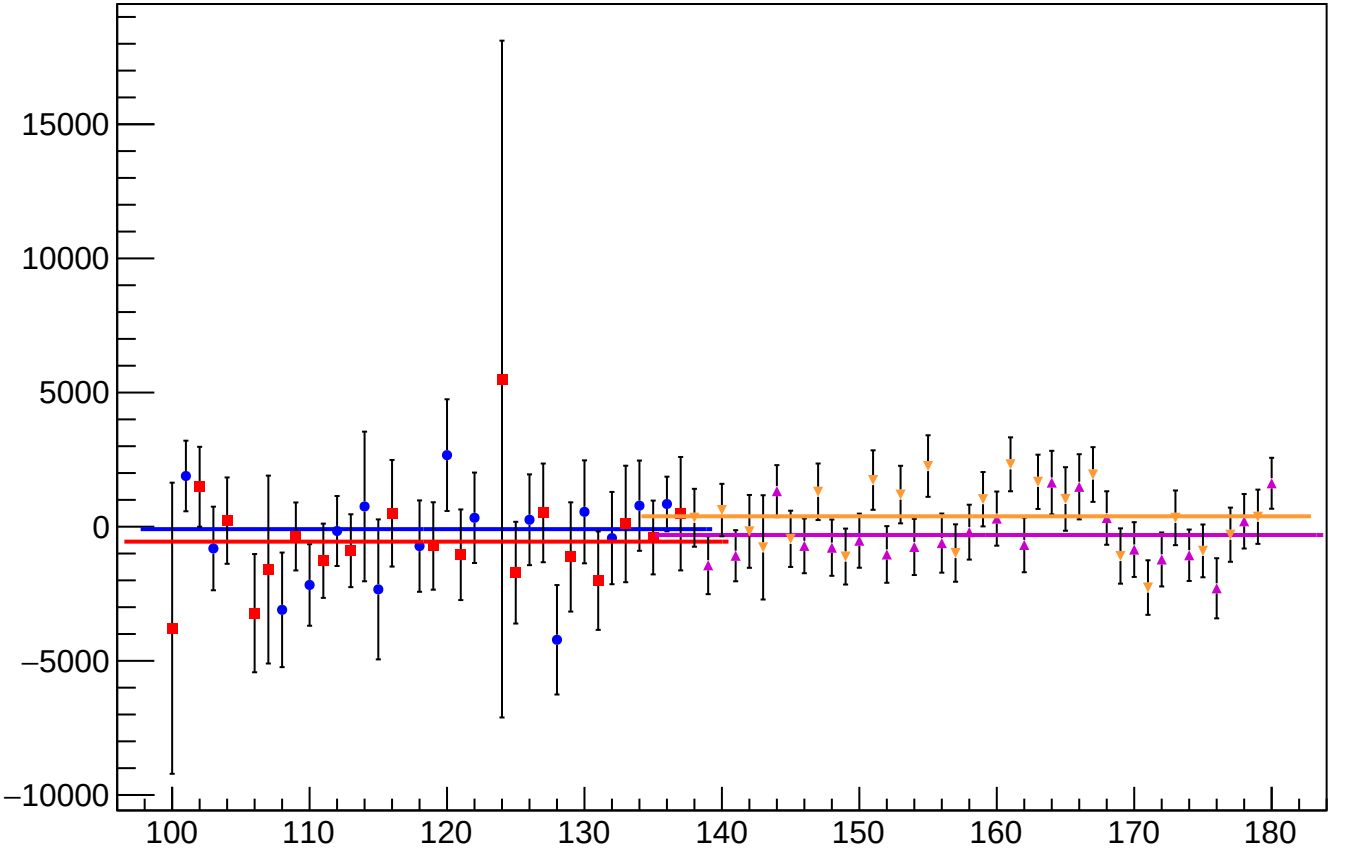
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1552.109+/-0.225 χ^2/NDF:1201723.3/36

Out: 1585.128+/-0.228 χ^2/NDF:1239047.0/40

All: 1568.419+/-0.160 χ^2/NDF: 2451396.5/77

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 388.010+/-227.968 χ^2/NDF:29.8/21

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -310.097+/-225.135 χ^2/NDF:20.8/20

Left: 34.593+/-160.187 χ^2/NDF: 55.4/42

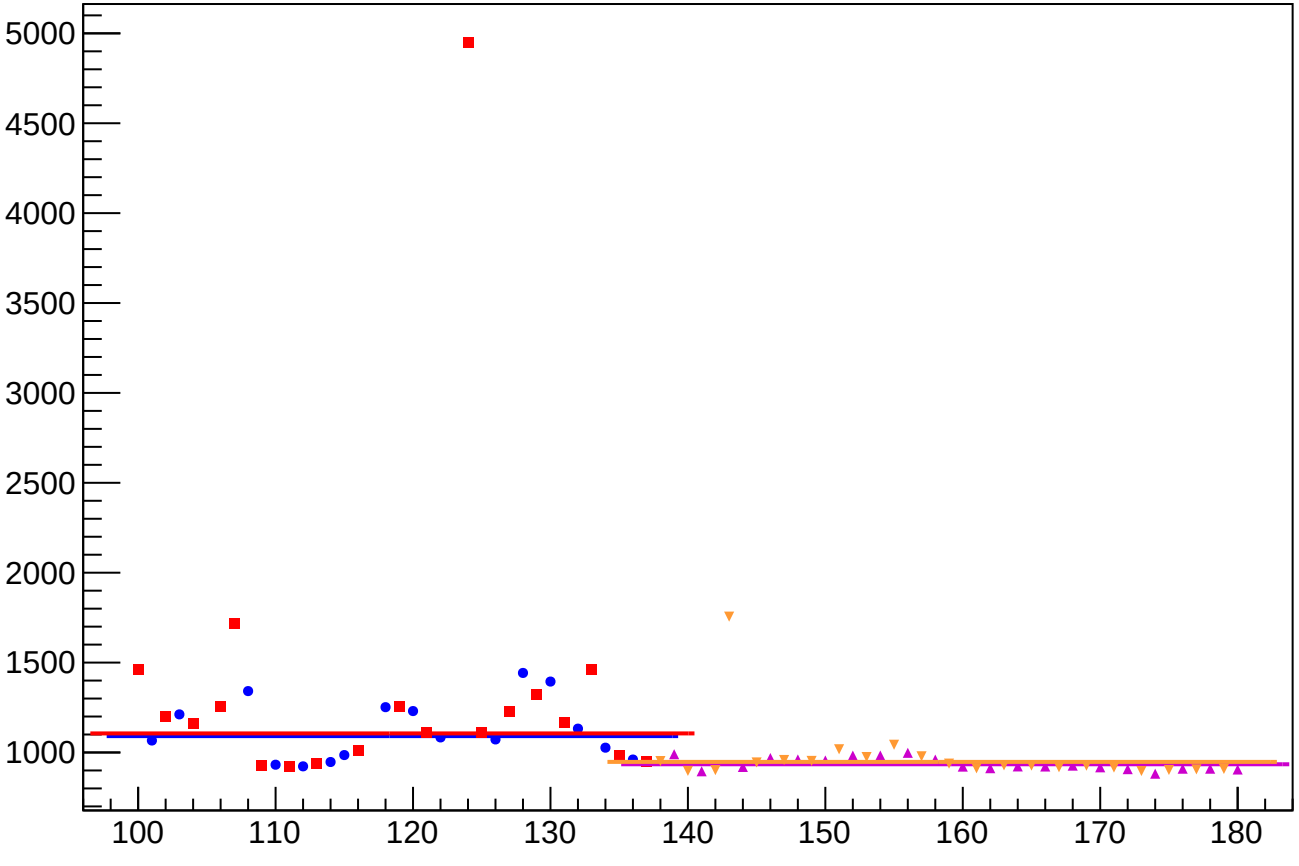
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -259.401+/-197.336 χ^2/NDF:35.5/36

Out: 165.999+/-199.394 χ^2/NDF:40.6/40

All: -48.908+/-140.260 χ^2/NDF: 78.5/77

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 947.655+/-0.161 χ^2/NDF:402339.9/21

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 934.432+/-0.159 χ^2/NDF:43915.2/20

Left: 940.961+/-0.113 χ^2/NDF: 449661.7/42

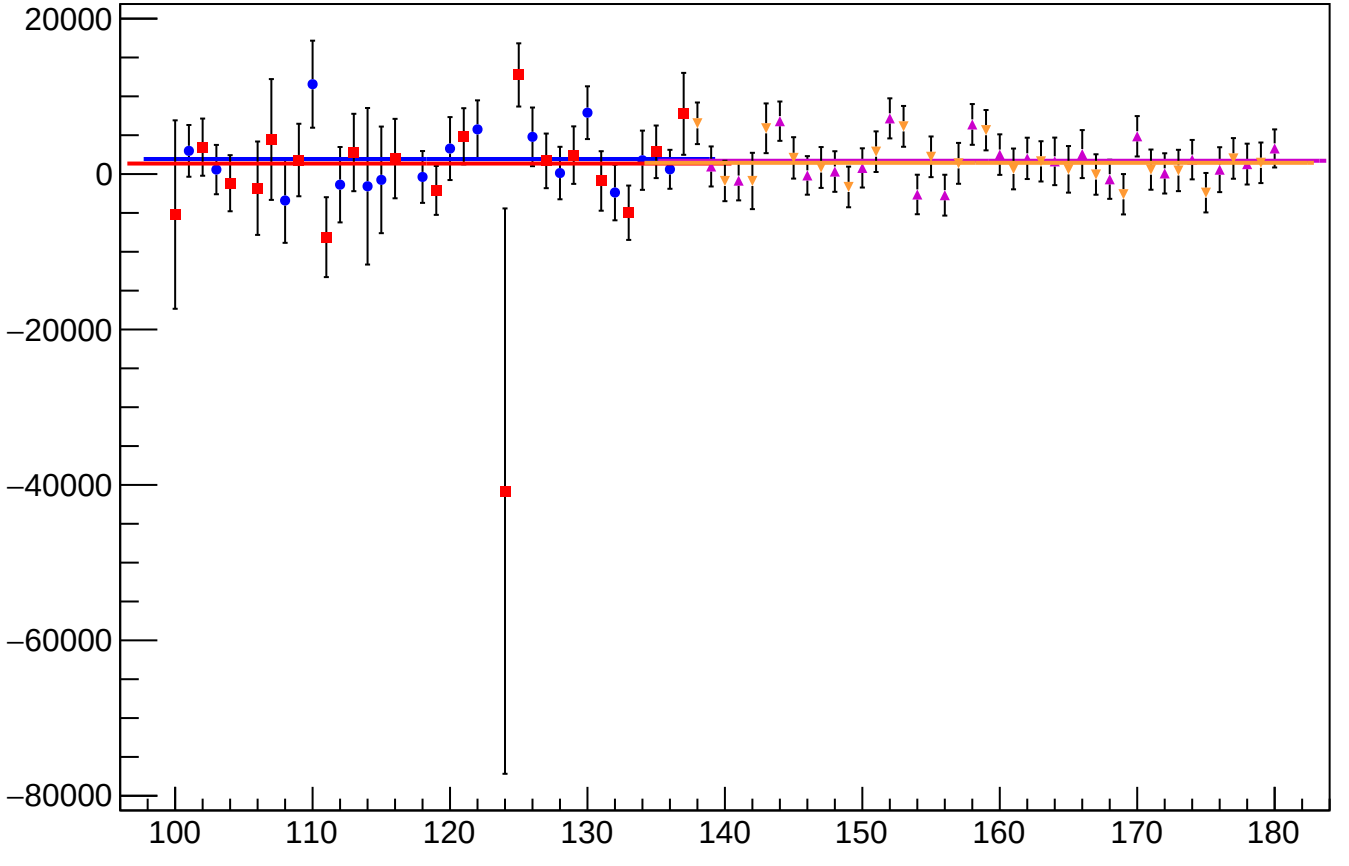
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 970.719+/-0.140 χ^2/NDF:545460.6/36

Out: 984.872+/-0.141 χ^2/NDF:1143296.1/40

All: 977.722+/-0.099 χ^2/NDF: 1693847.0/77

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.244+/-571.295 χ^2/NDF:20.0/21

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1711.830+/-571.248 χ^2/NDF:23.1/20

Left: 1579.548+/-403.950 χ^2/NDF: 43.2/42

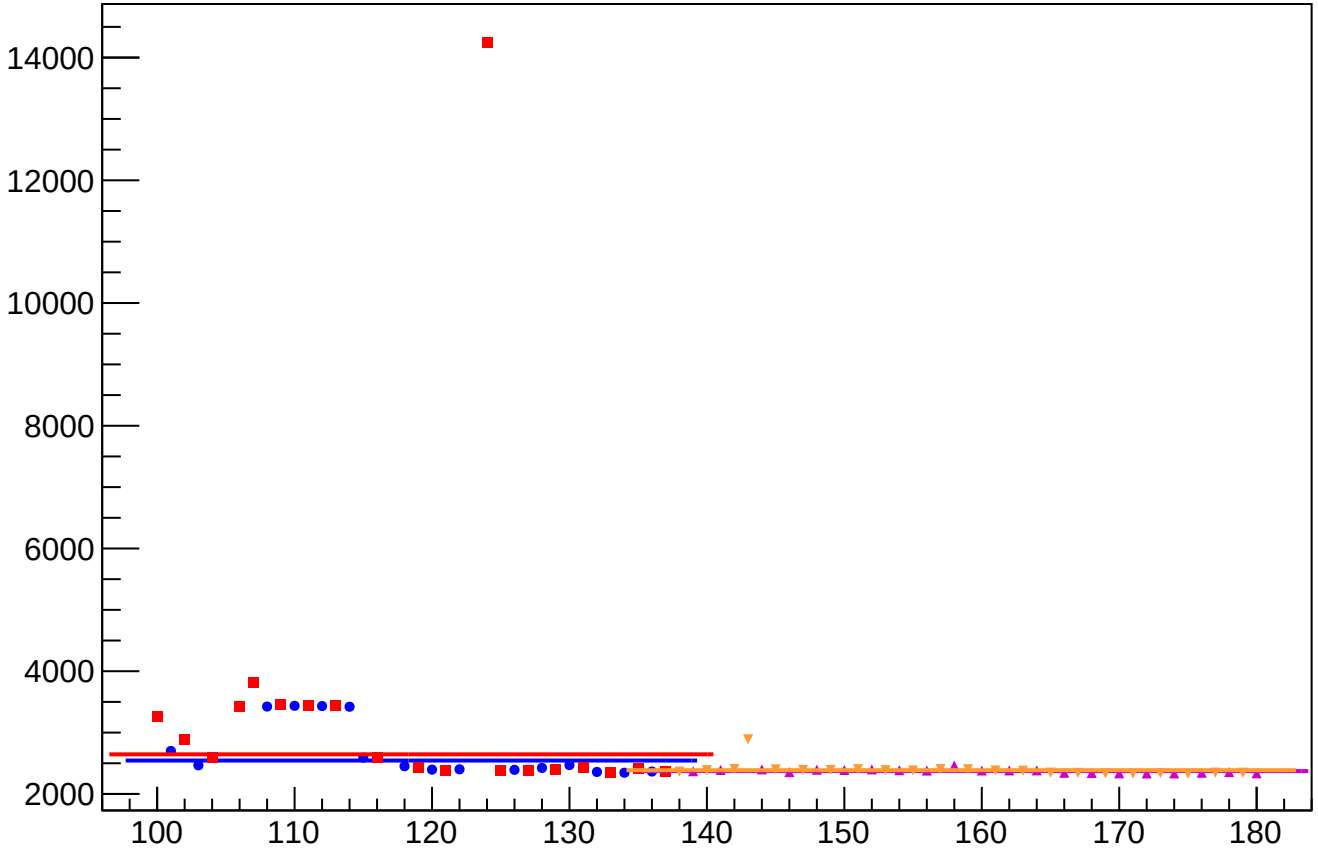
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1772.094+/-489.903 χ^2/NDF:35.4/36

Out: 1423.633+/-494.204 χ^2/NDF:41.8/40

All: 1599.387+/-347.925 χ^2/NDF: 77.4/77

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

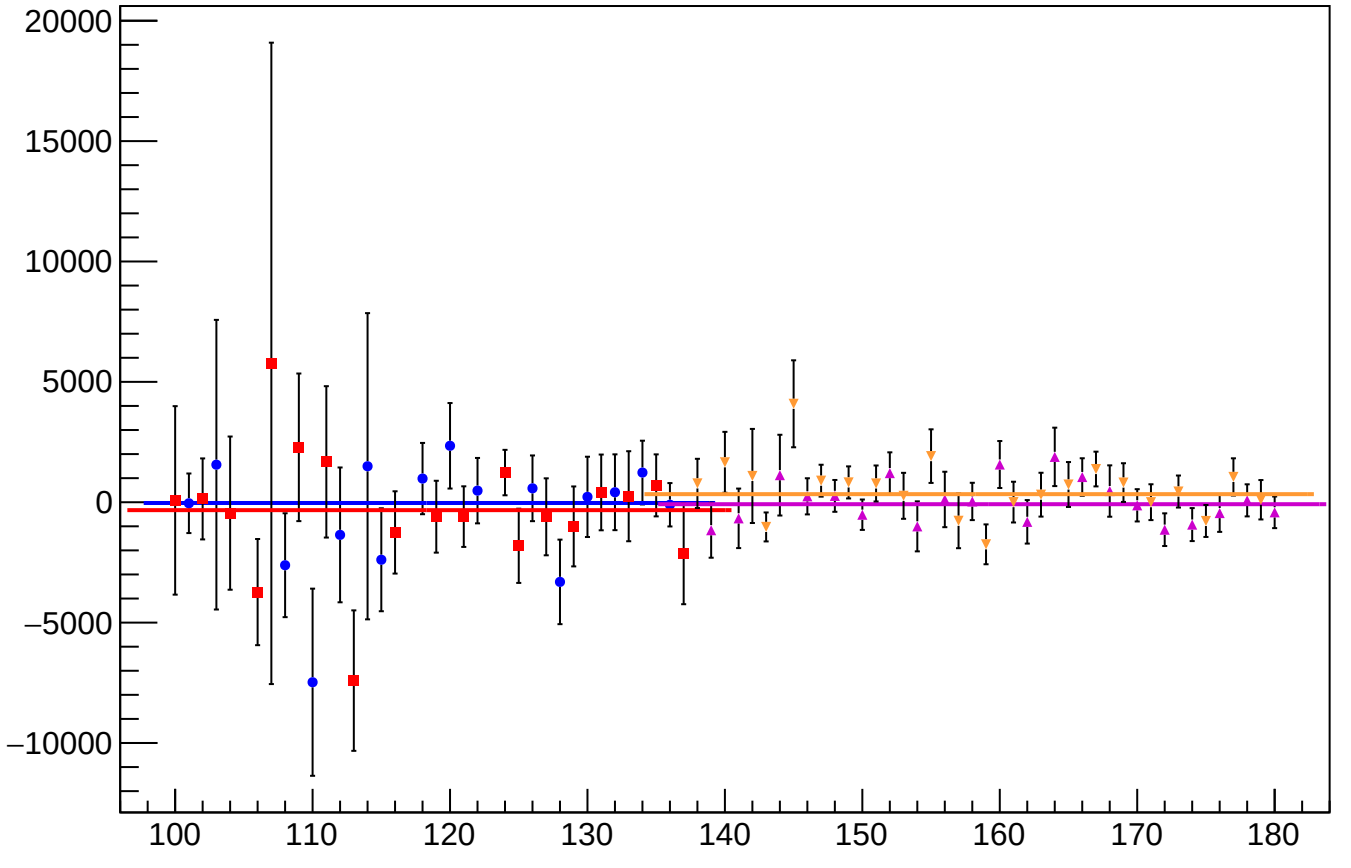
Left: 2380.071+/-0.286 χ^2/NDF: 61846.5/42

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2418.157+/-0.346 χ^2/NDF:279306.6/36

Out: 2452.391+/-0.349 χ^2/NDF:695093.6/40

All: 2435.124+/-0.246 χ^2/NDF: 979240.5/77



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 335.780+/-176.504 χ^2/NDF:28.6/21

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -81.420+/-178.904 χ^2/NDF:18.7/20

Left: 129.998+/-125.647 χ^2/NDF: 50.0/42

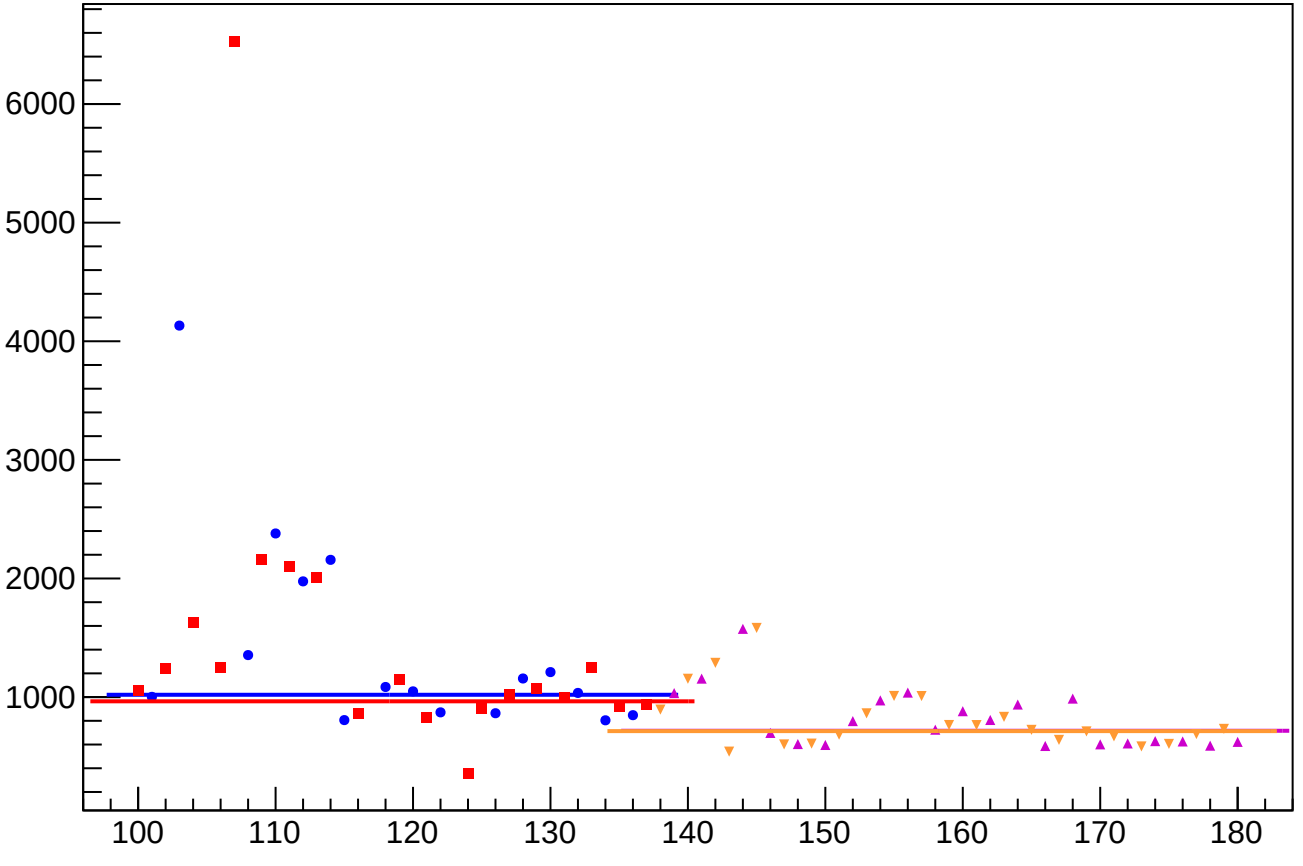
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -73.243+/-163.697 χ^2/NDF:32.5/36

Out: 226.870+/-161.387 χ^2/NDF:46.5/40

All: 78.945+/-114.926 χ^2/NDF: 80.7/77

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.142+/-0.125 χ^2/NDF:1755820.5/21

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 716.010+/-0.127 χ^2/NDF:1964523.6/20

Left: 714.557+/-0.089 χ^2/NDF: 3720604.6/42

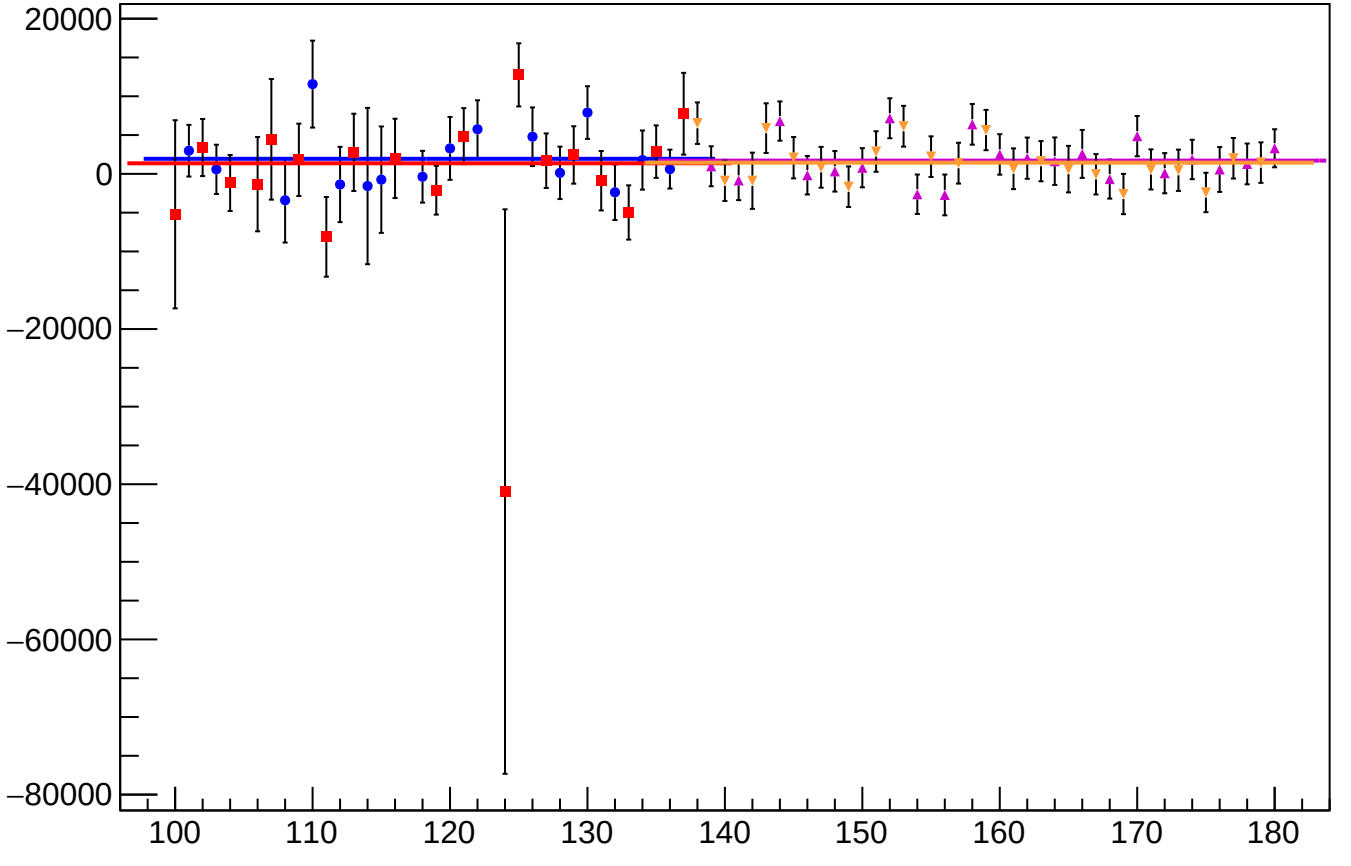
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 765.417+/-0.116 χ^2/NDF:4266302.9/36

Out: 754.335+/-0.114 χ^2/NDF:4729563.6/40

All: 759.797+/-0.081 χ^2/NDF: 9000515.1/77

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1711.926+/-571.248 χ^2/NDF:23.1/20

Left: 1579.572+/-403.950 χ^2/NDF: 43.2/42

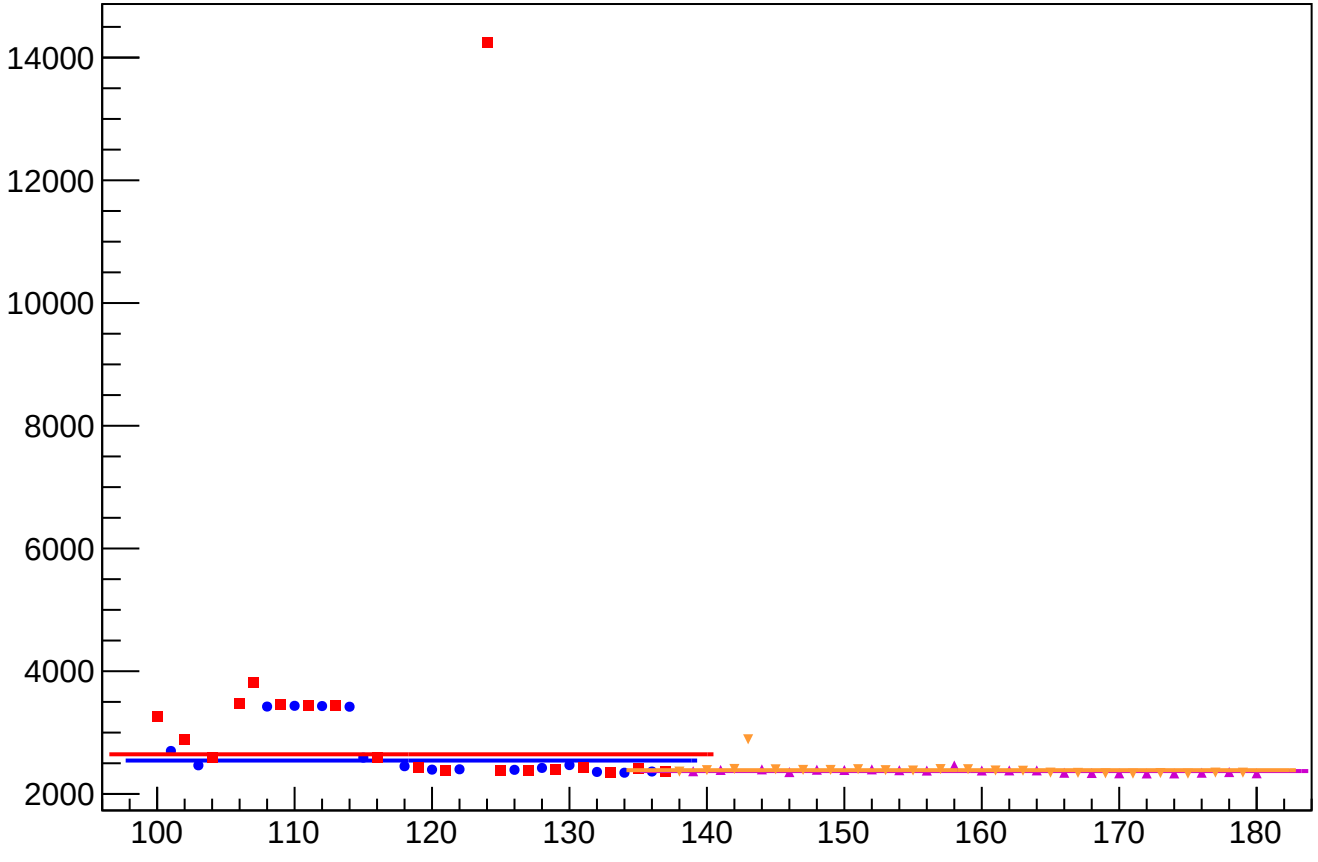
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1772.257+/-489.903 χ^2/NDF:35.4/36

Out: 1426.038+/-494.242 χ^2/NDF:41.7/40

All: 1600.674+/-347.938 χ^2/NDF: 77.3/77

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

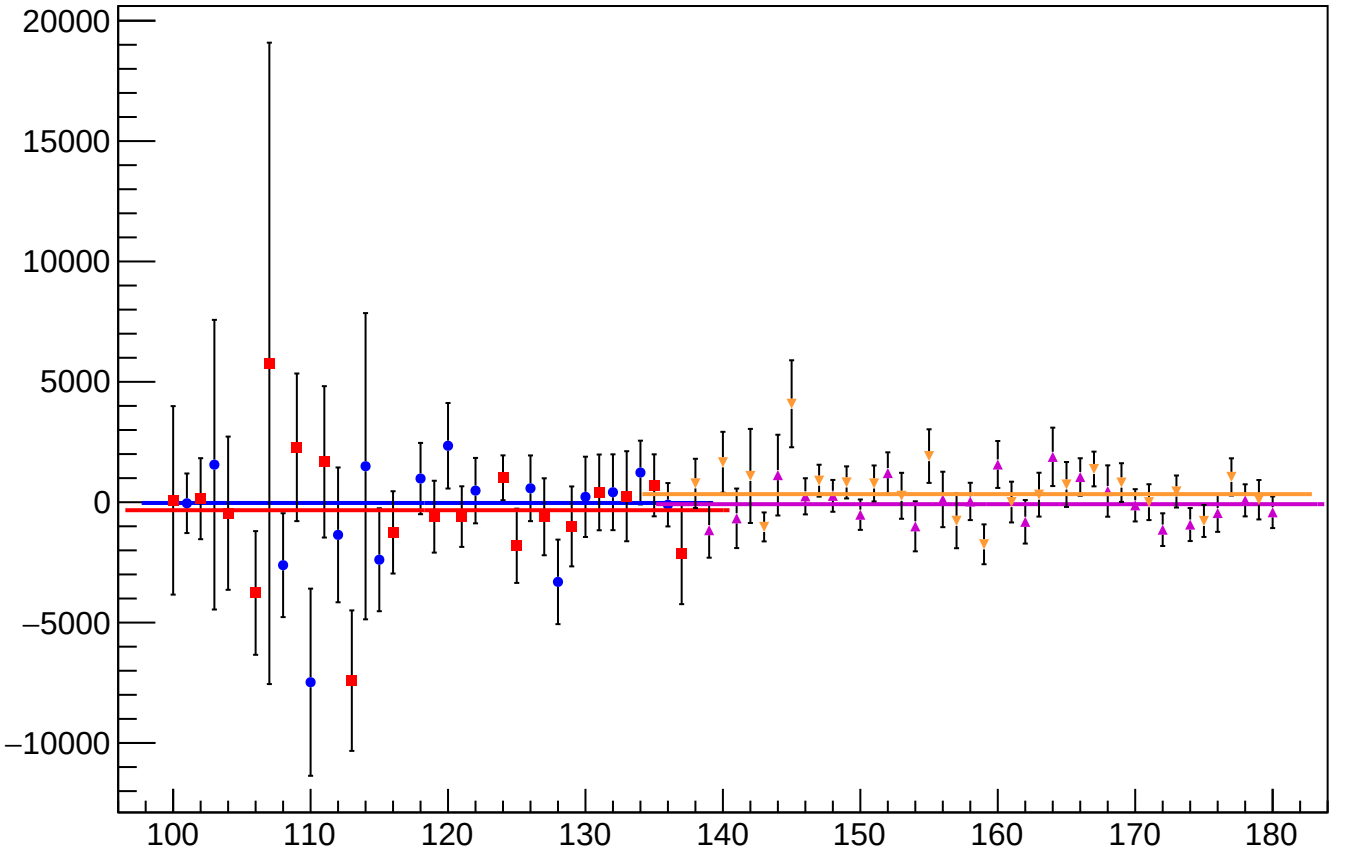
Left: 2380.071+/-0.286 χ^2/NDF: 61846.5/42

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2418.157+/-0.346 χ^2/NDF:279306.6/36

Out: 2452.501+/-0.349 χ^2/NDF:698071.6/40

All: 2435.178+/-0.246 χ^2/NDF: 982249.3/77



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -81.264+/-178.904 χ^2/NDF:18.7/20

Left: 130.054+/-125.647 χ^2/NDF: 50.0/42

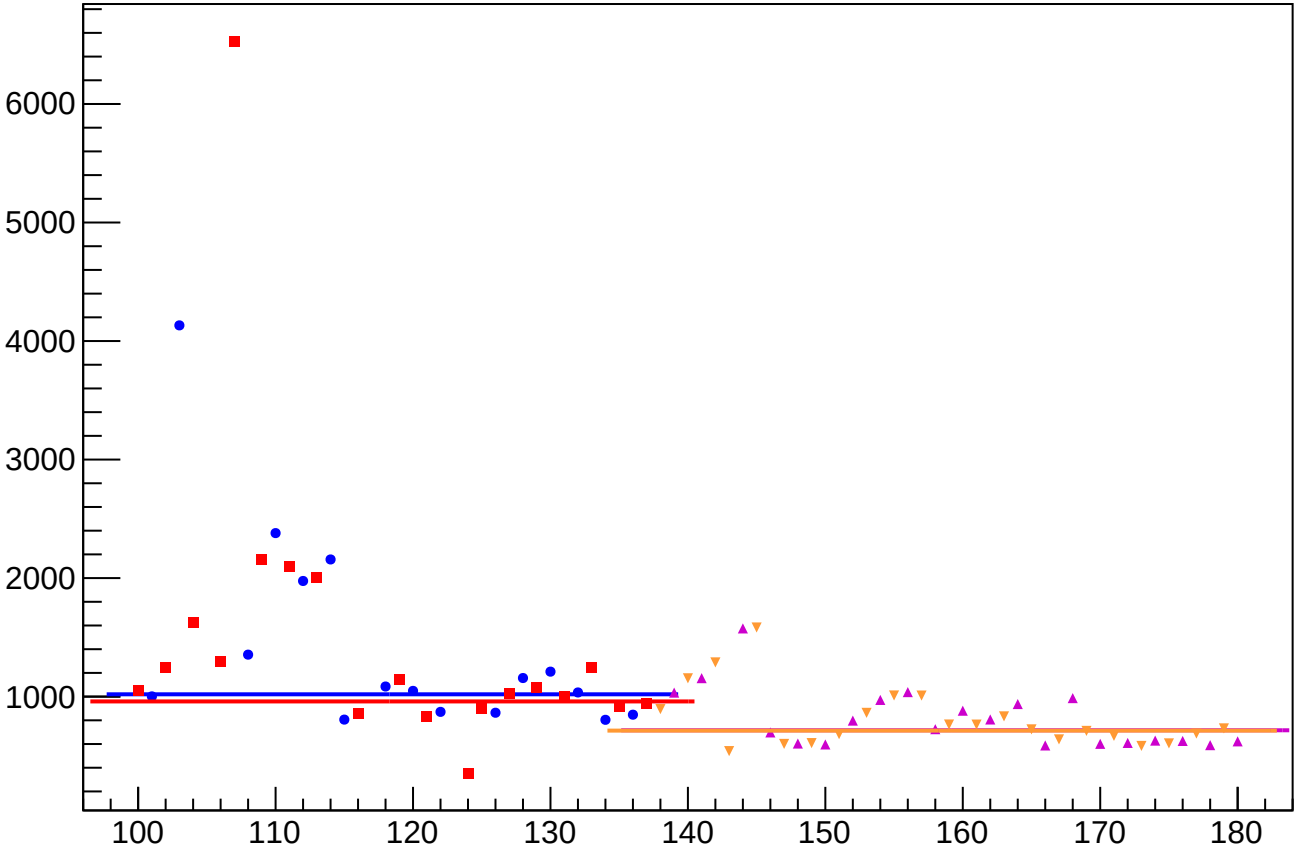
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -73.123+/-163.696 χ^2/NDF:32.4/36

Out: 226.616+/-161.438 χ^2/NDF:45.3/40

All: 78.829+/-114.944 χ^2/NDF: 79.4/77

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

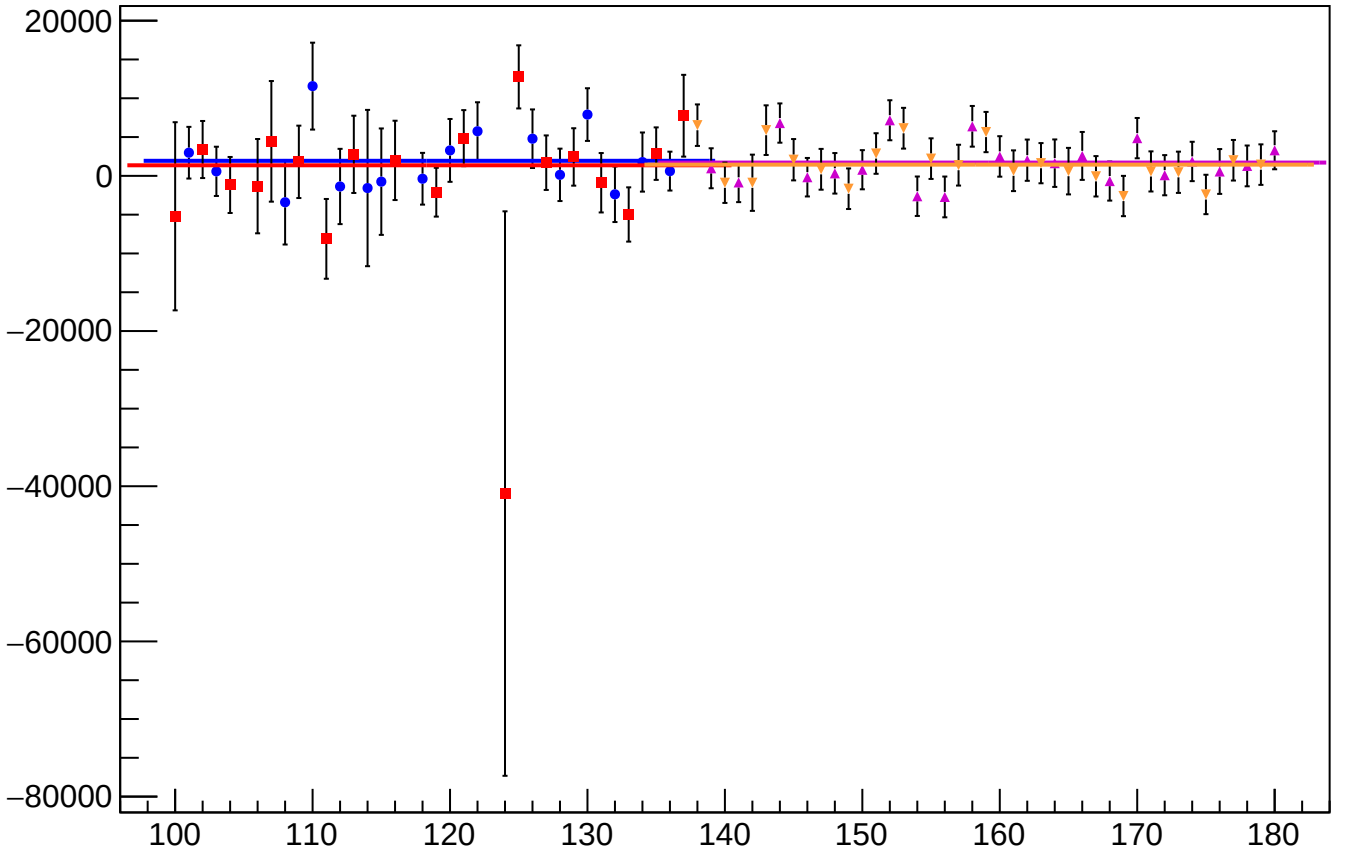
Left: 714.557+/-0.089 χ^2/NDF: 3720846.4/42

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 765.415+/-0.116 χ^2/NDF:4266429.3/36

Out: 753.381+/-0.114 χ^2/NDF:4736304.0/40

All: 759.314+/-0.081 χ^2/NDF: 9008212.6/77



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1711.926+/-571.248 χ^2/NDF:23.1/20

Left: 1579.572+/-403.950 χ^2/NDF: 43.2/42

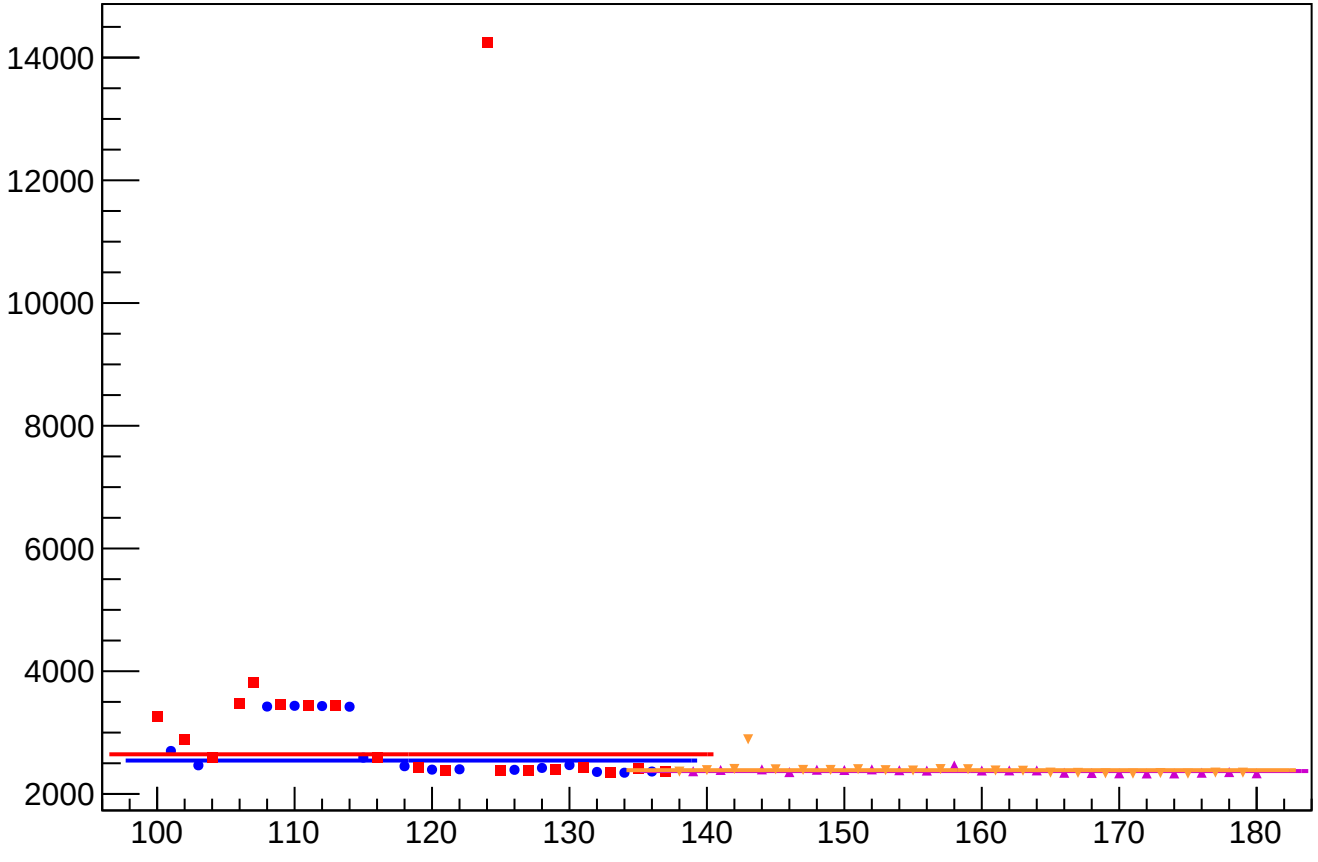
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1772.257+/-489.903 χ^2/NDF:35.4/36

Out: 1426.038+/-494.242 χ^2/NDF:41.7/40

All: 1600.674+/-347.938 χ^2/NDF: 77.3/77

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2372.748+/-0.404 χ^2/NDF:5915.8/20

Left: 2380.071+/-0.286 χ^2/NDF: 61846.5/42

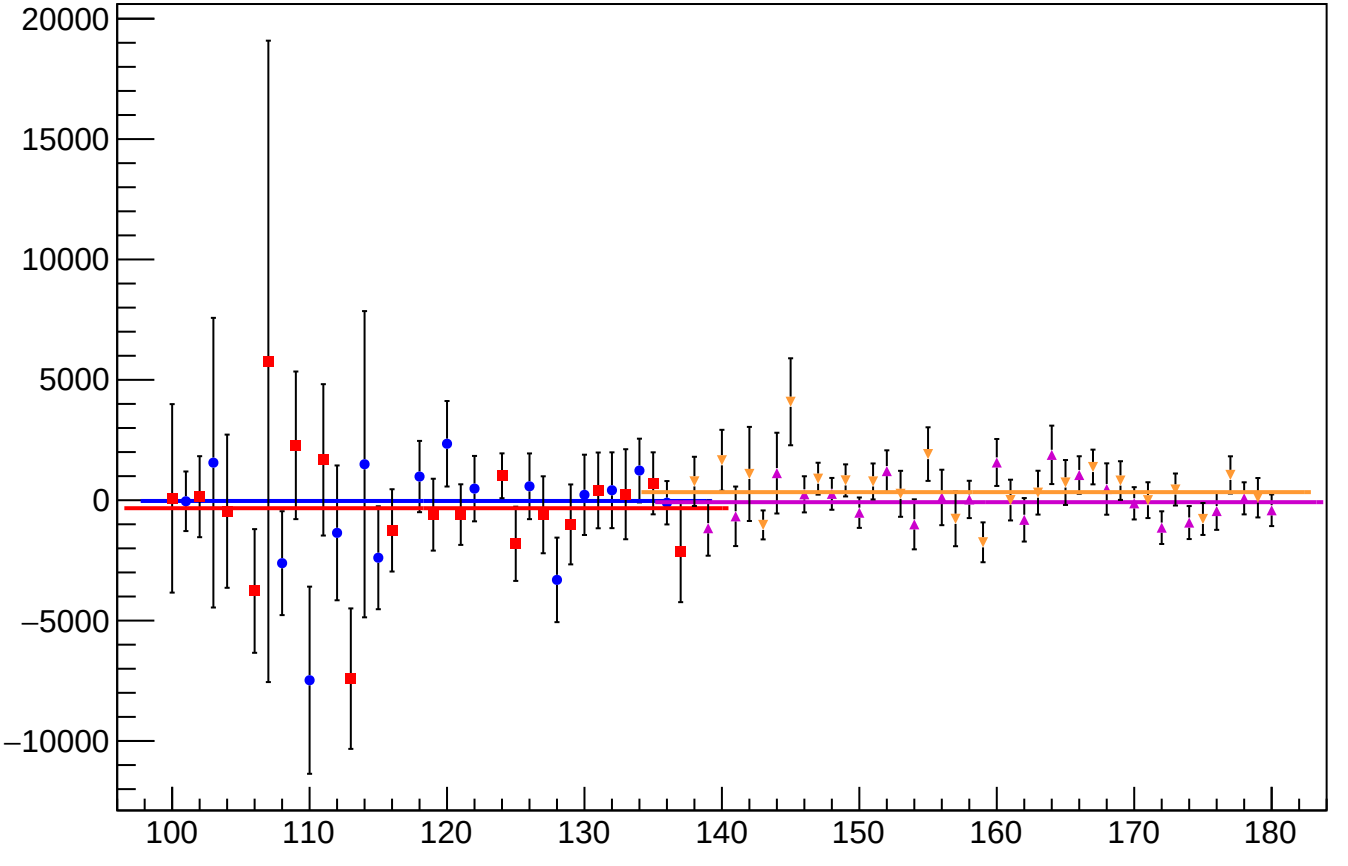
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2418.157+/-0.346 χ^2/NDF:279306.6/36

Out: 2452.501+/-0.349 χ^2/NDF:698071.6/40

All: 2435.178+/-0.246 χ^2/NDF: 982249.3/77

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -81.264+/-178.904 χ^2/NDF:18.7/20

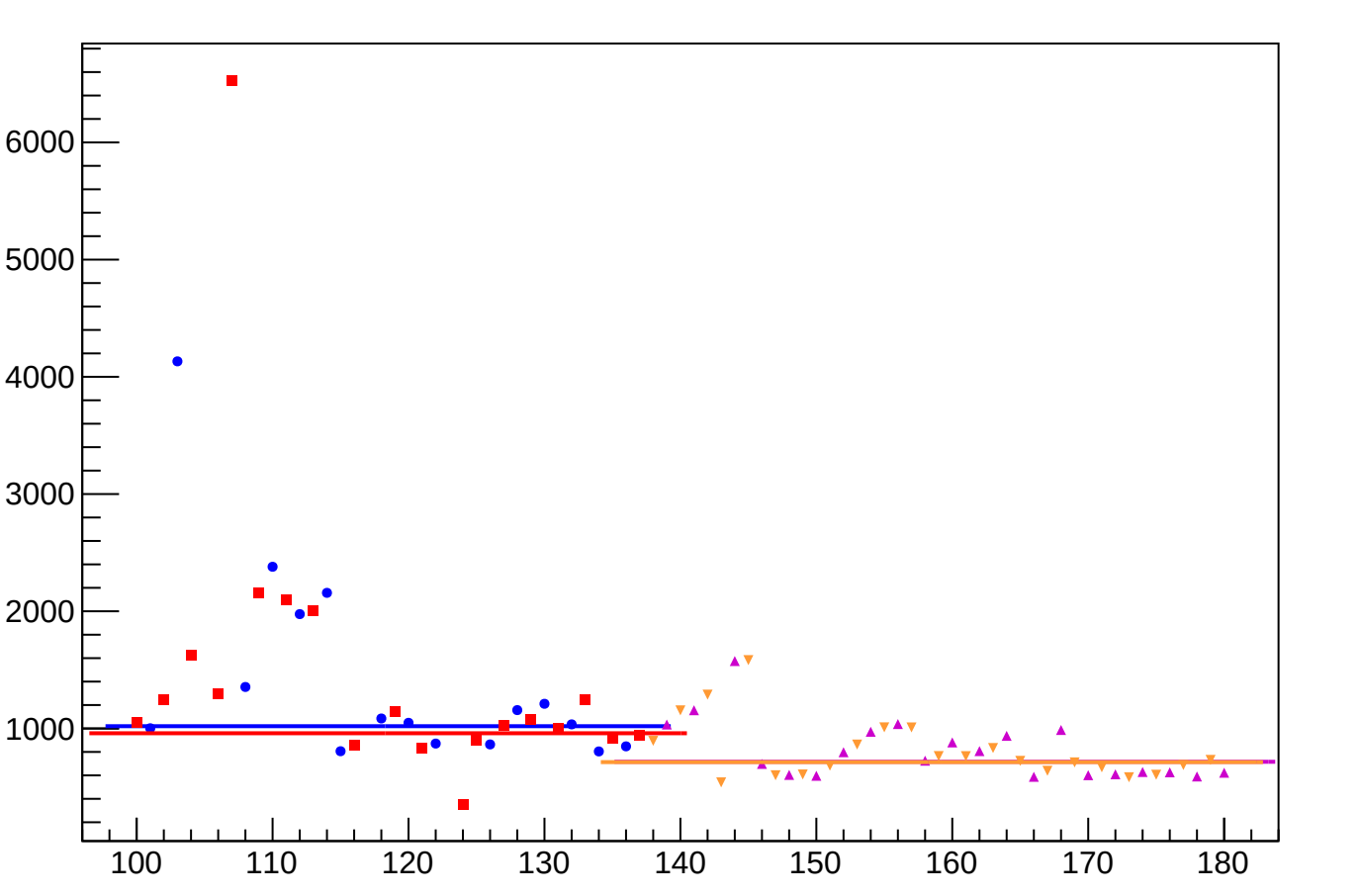
Left: 130.054+/-125.647 χ^2/NDF: 50.0/42

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -73.123+/-163.696 χ^2/NDF:32.4/36

Out: 226.616+/-161.438 χ^2/NDF:45.3/40

All: 78.829+/-114.944 χ^2/NDF: 79.4/77



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 716.008+/-0.127 χ^2/NDF:1964685.4/20

Left: 714.557+/-0.089 χ^2/NDF: 3720846.4/42

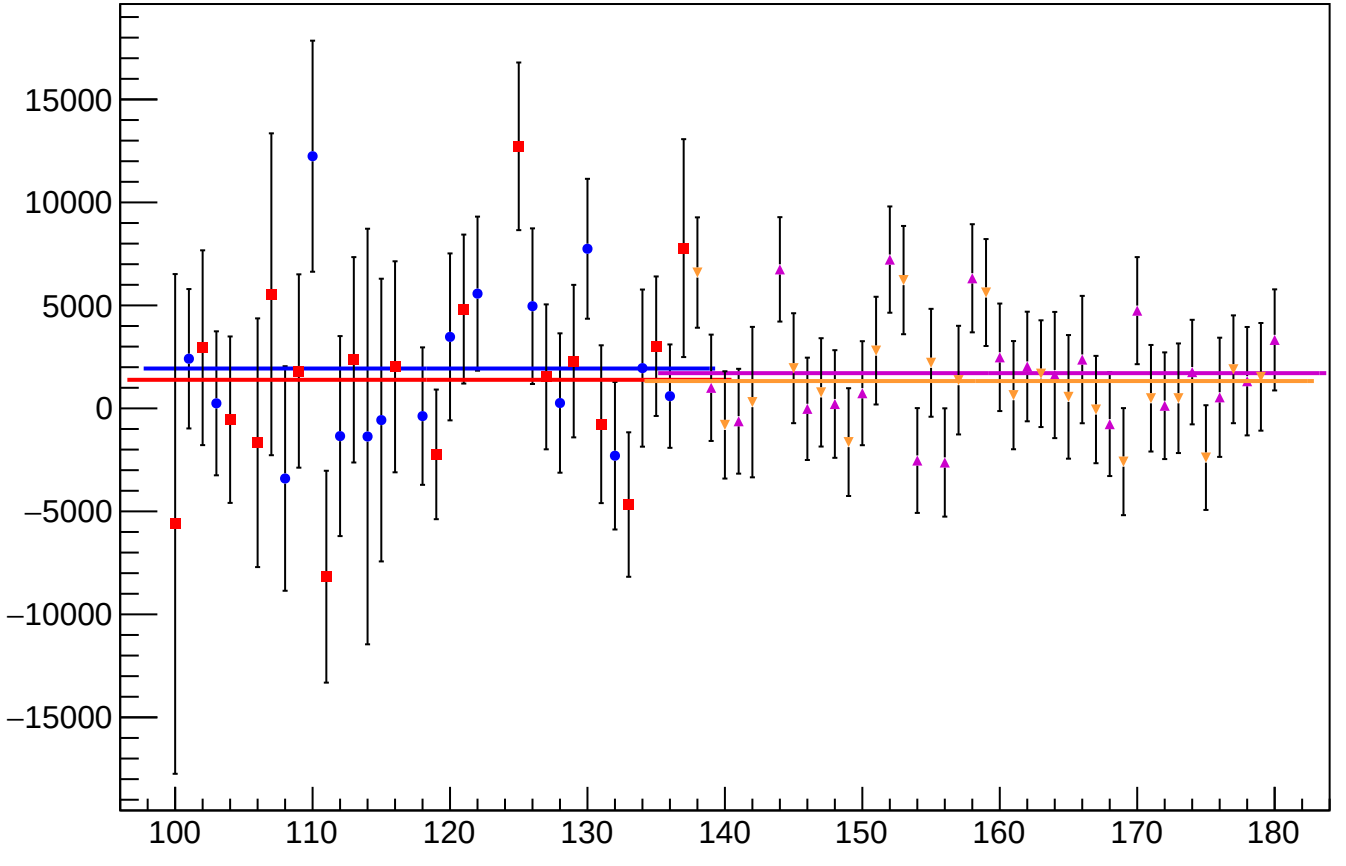
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 765.415+/-0.116 χ^2/NDF:4266429.3/36

Out: 753.381+/-0.114 χ^2/NDF:4736304.0/40

All: 759.314+/-0.081 χ^2/NDF: 9008212.6/77

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.886+/-581.281 χ^2/NDF:17.7/20

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1711.026+/-571.777 χ^2/NDF:22.4/20

Left: 1522.122+/-407.626 χ^2/NDF: 40.4/41

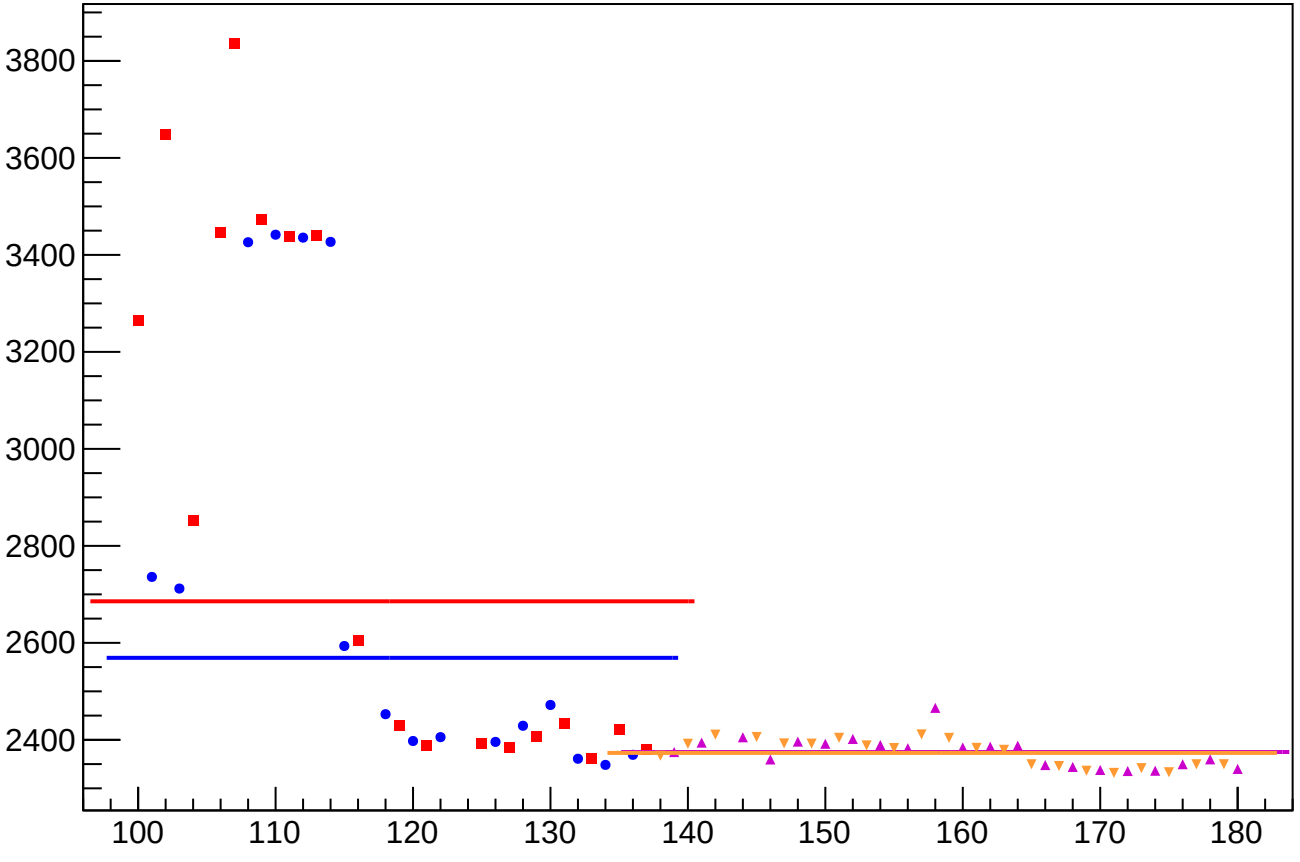
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1769.724+/-491.556 χ^2/NDF:34.8/36

Out: 1342.000+/-503.691 χ^2/NDF:37.5/38

All: 1561.076+/-351.794 χ^2/NDF: 72.7/75

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

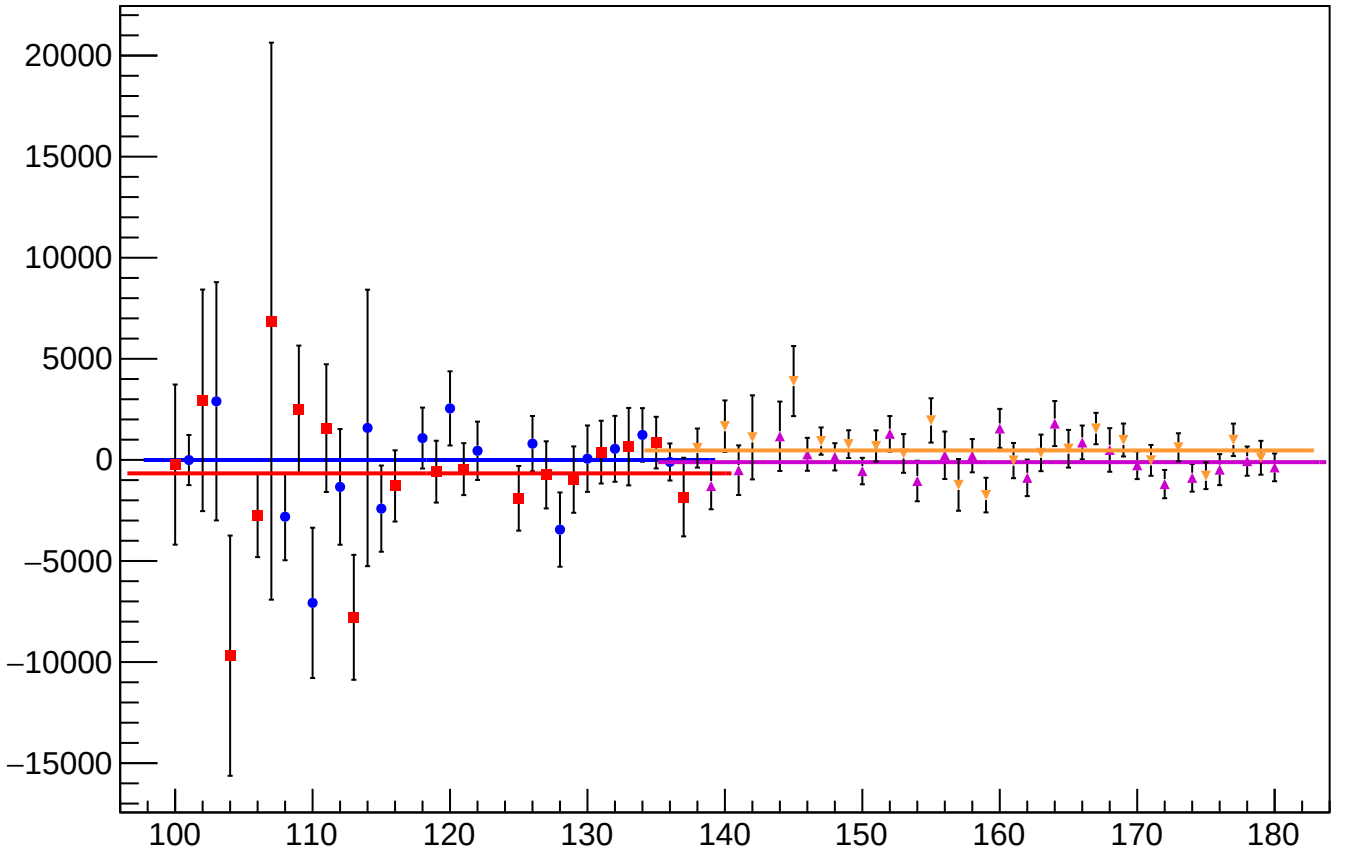
Left: 2374.031+/-0.288 χ^2/NDF: 10226.7/41

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2425.606+/-0.348 χ^2/NDF:295581.8/36

Out: 2450.973+/-0.356 χ^2/NDF:567670.7/38

All: 2437.980+/-0.249 χ^2/NDF: 865850.7/75



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.400+/-188.800 χ^2/NDF:23.3/20

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -111.094+/-183.464 χ^2/NDF:18.6/20

Left: 170.348+/-131.575 χ^2/NDF: 46.8/41

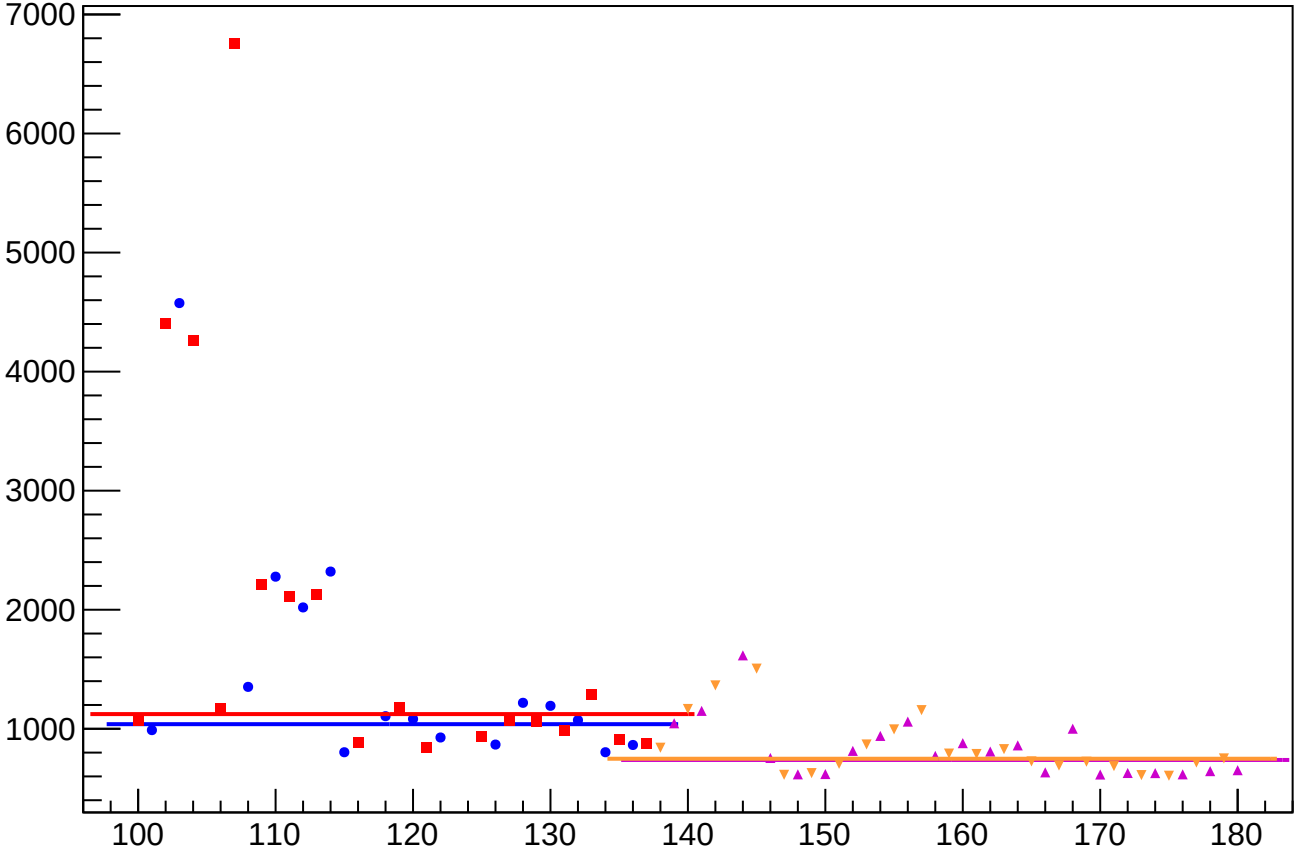
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -93.583+/-167.615 χ^2/NDF:33.2/36

Out: 305.172+/-174.689 χ^2/NDF:42.9/38

All: 97.557+/-120.945 χ^2/NDF: 78.8/75

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.402+/-0.134 χ^2/NDF:1500736.5/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 738.165+/-0.130 χ^2/NDF:1780310.7/20

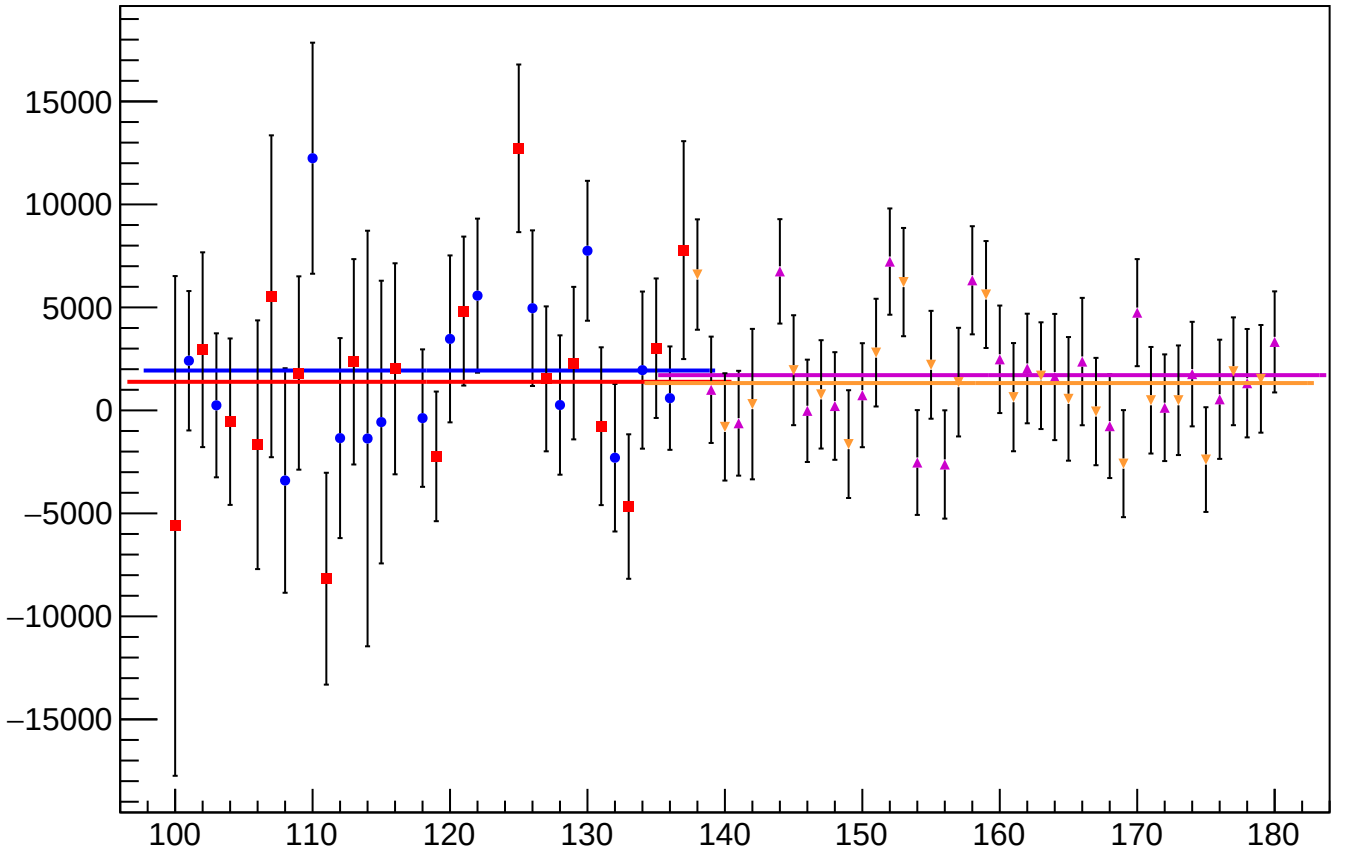
Left: 743.137+/-0.093 χ^2/NDF: 3284071.5/41

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 787.864+/-0.119 χ^2/NDF:4207860.1/36

Out: 802.373+/-0.124 χ^2/NDF:5172050.6/38

All: 794.819+/-0.086 χ^2/NDF: 9387094.1/75



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.887+/-581.281 χ^2/NDF:17.7/20

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1711.027+/-571.777 χ^2/NDF:22.4/20

Left: 1522.123+/-407.626 χ^2/NDF: 40.4/41

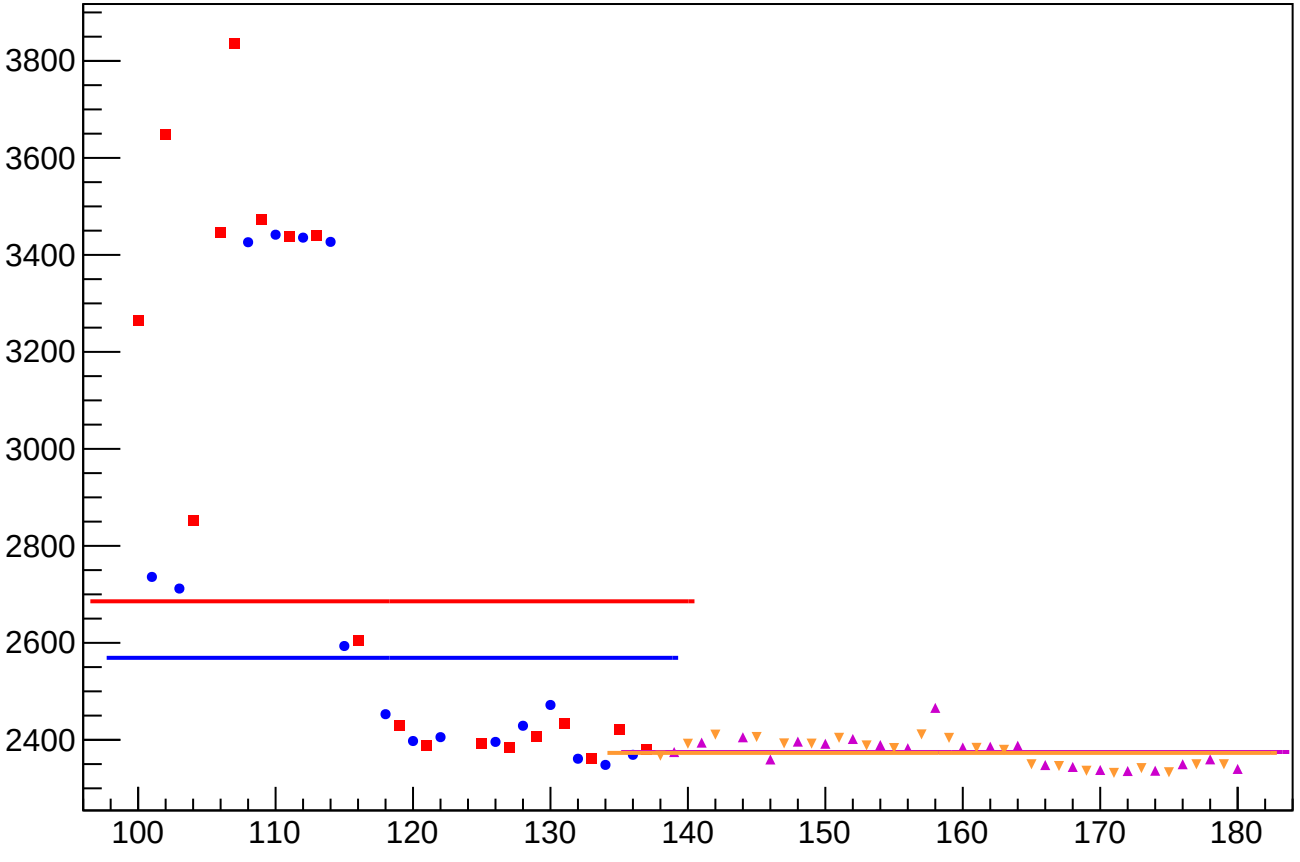
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1769.723+/-491.556 χ^2/NDF:34.8/36

Out: 1342.000+/-503.691 χ^2/NDF:37.5/38

All: 1561.076+/-351.794 χ^2/NDF: 72.7/75

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2374.937+/-0.404 χ^2/NDF:5901.0/20

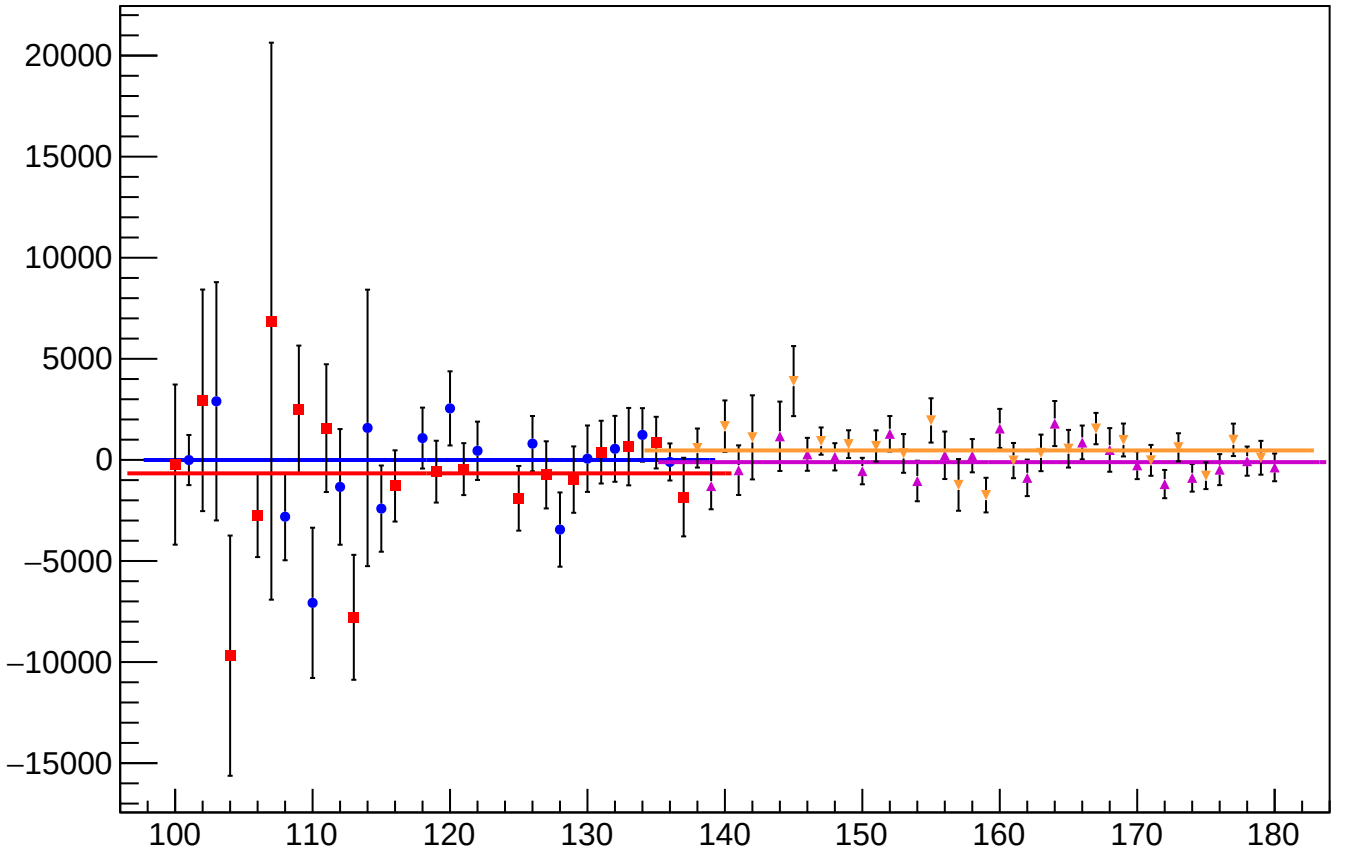
Left: 2374.031+/-0.288 χ^2/NDF: 10226.7/41

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2425.606+/-0.348 χ^2/NDF:295581.3/36

Out: 2450.973+/-0.356 χ^2/NDF:567669.8/38

All: 2437.980+/-0.249 χ^2/NDF: 865849.3/75



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.401+/-188.800 χ^2/NDF:23.3/20

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -111.094+/-183.464 χ^2/NDF:18.6/20

Left: 170.348+/-131.575 χ^2/NDF: 46.8/41

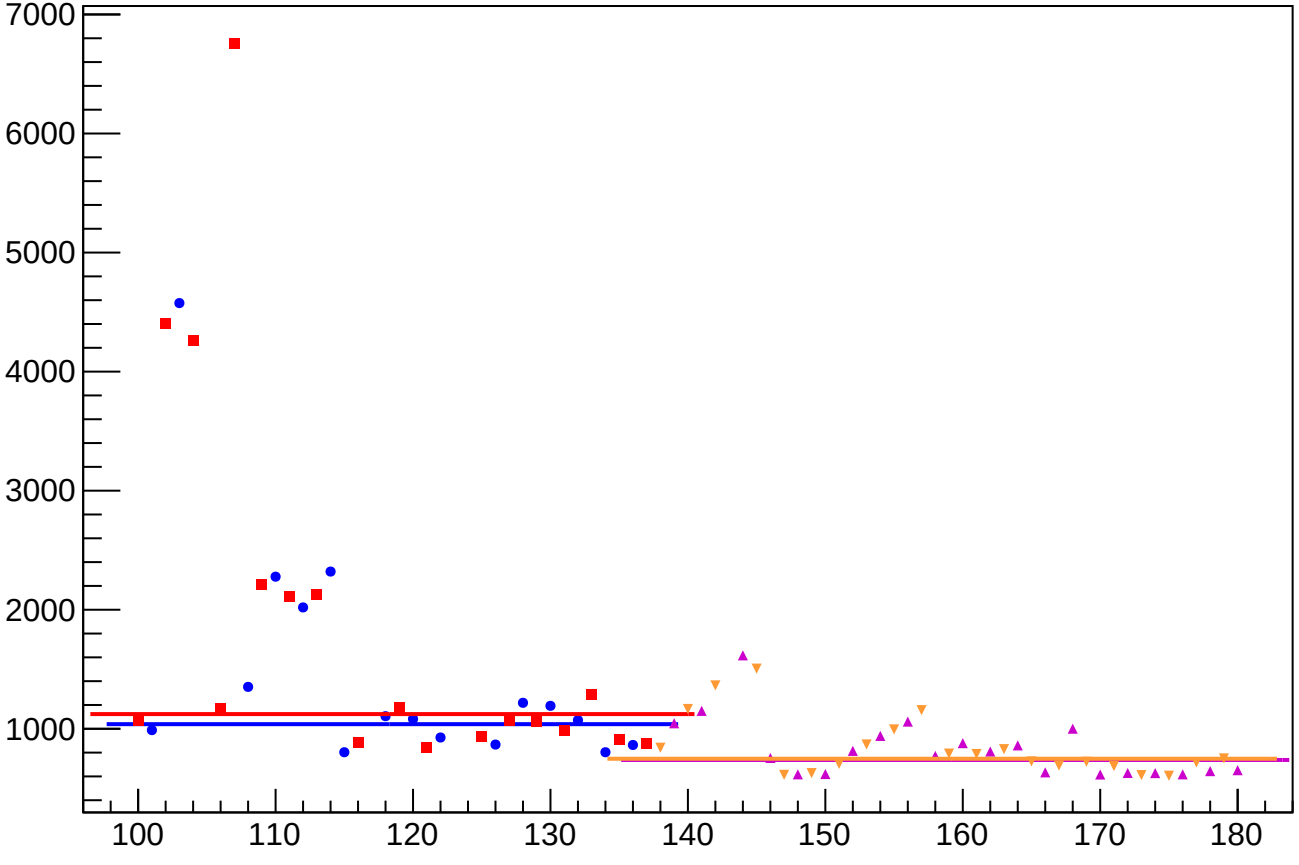
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -93.583+/-167.615 χ^2/NDF:33.2/36

Out: 305.171+/-174.689 χ^2/NDF:42.9/38

All: 97.557+/-120.945 χ^2/NDF: 78.8/75

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.404+/-0.134 χ^2/NDF:1500734.3/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 738.166+/-0.130 χ^2/NDF:1780307.4/20

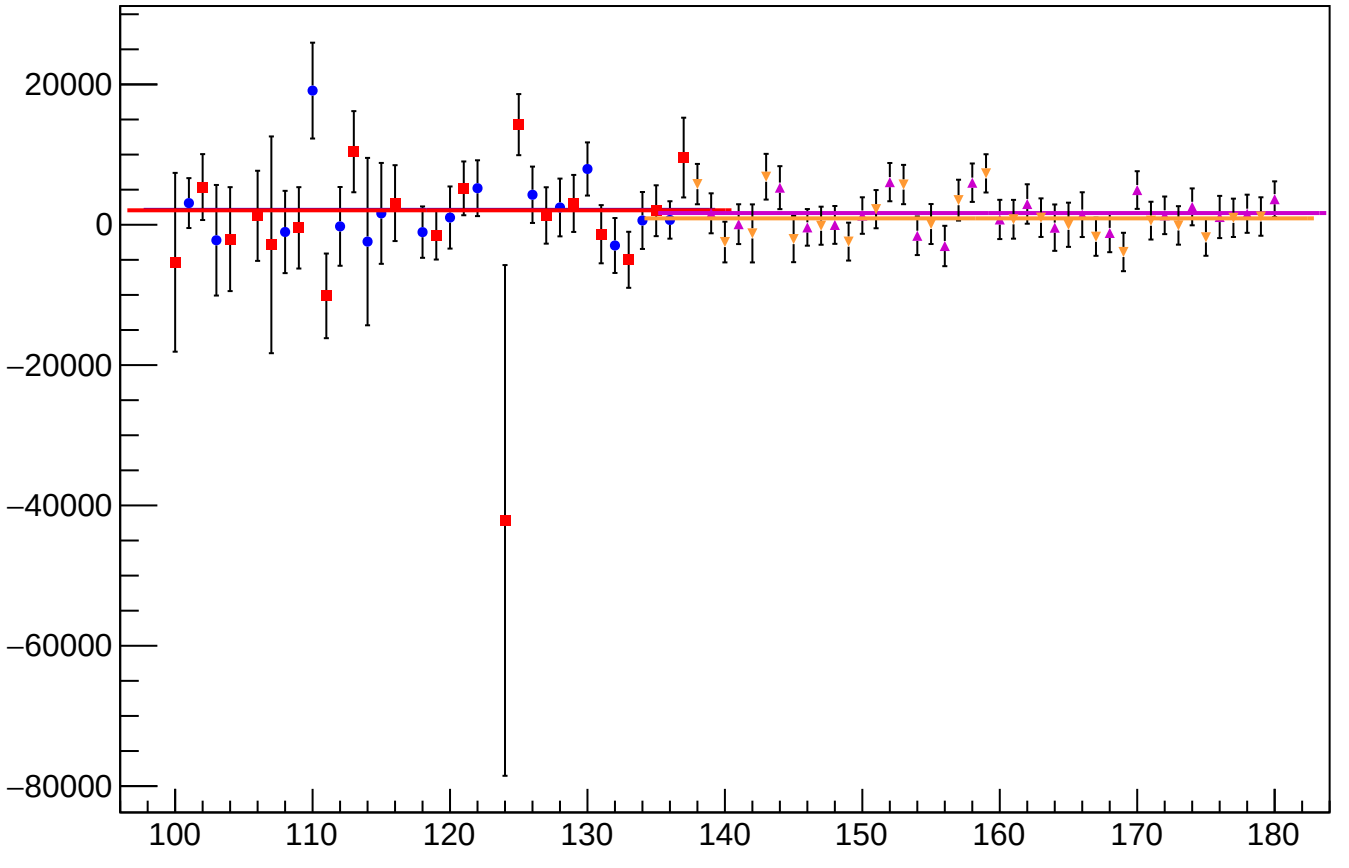
Left: 743.138+/-0.093 χ^2/NDF: 3284066.1/41

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 787.866+/-0.119 χ^2/NDF:4207844.9/36

Out: 802.375+/-0.124 χ^2/NDF:5172037.2/38

All: 794.821+/-0.086 χ^2/NDF: 9387065.5/75



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 910.890+/-607.312 χ^2/NDF:25.2/21

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1668.132+/-607.796 χ^2/NDF:15.9/20

Left: 1289.209+/-429.605 χ^2/NDF: 41.9/42

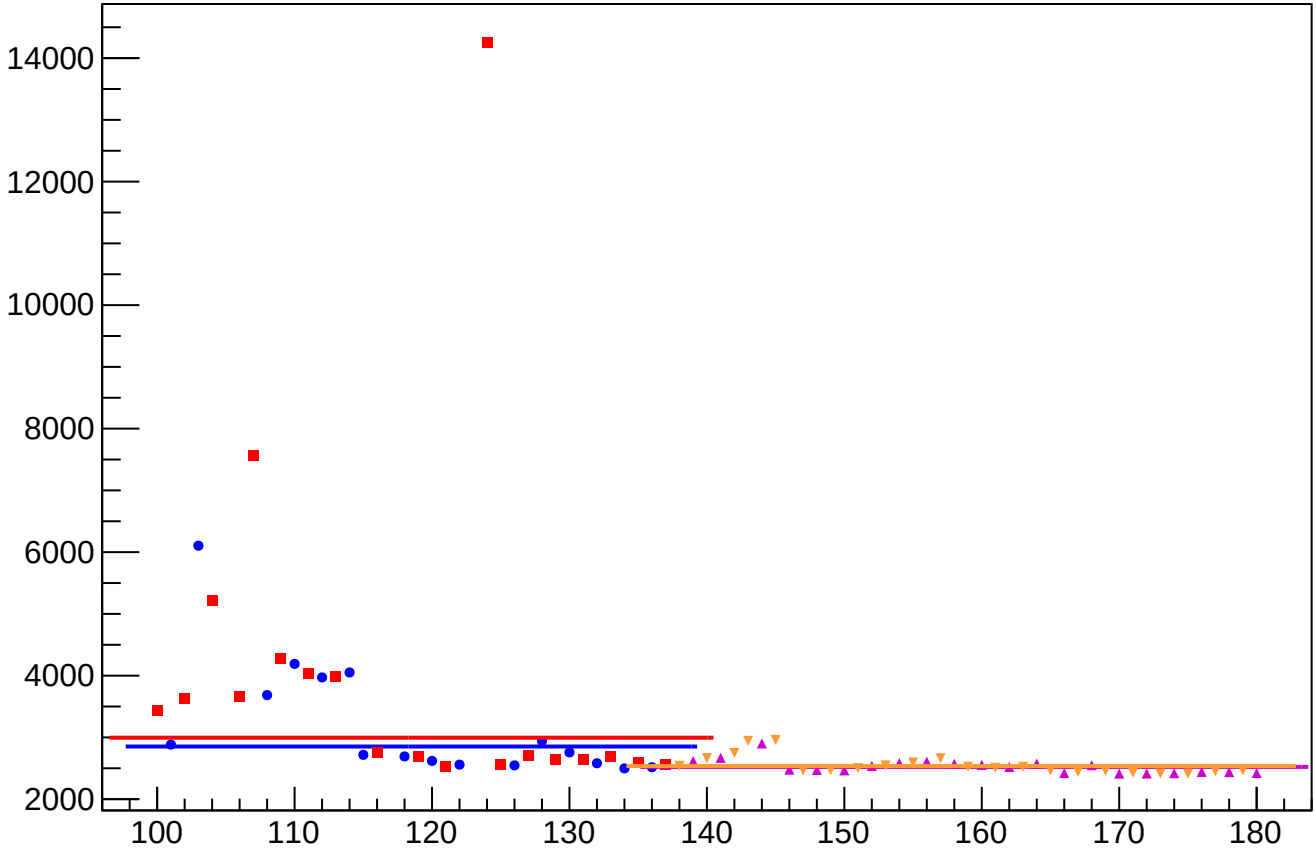
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1776.582+/-530.230 χ^2/NDF:29.4/36

Out: 1165.970+/-535.665 χ^2/NDF:50.3/40

All: 1474.389+/-376.836 χ^2/NDF: 80.4/77

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2535.684+/-0.429 χ^2/NDF:100757.9/21

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2521.990+/-0.430 χ^2/NDF:62605.2/20

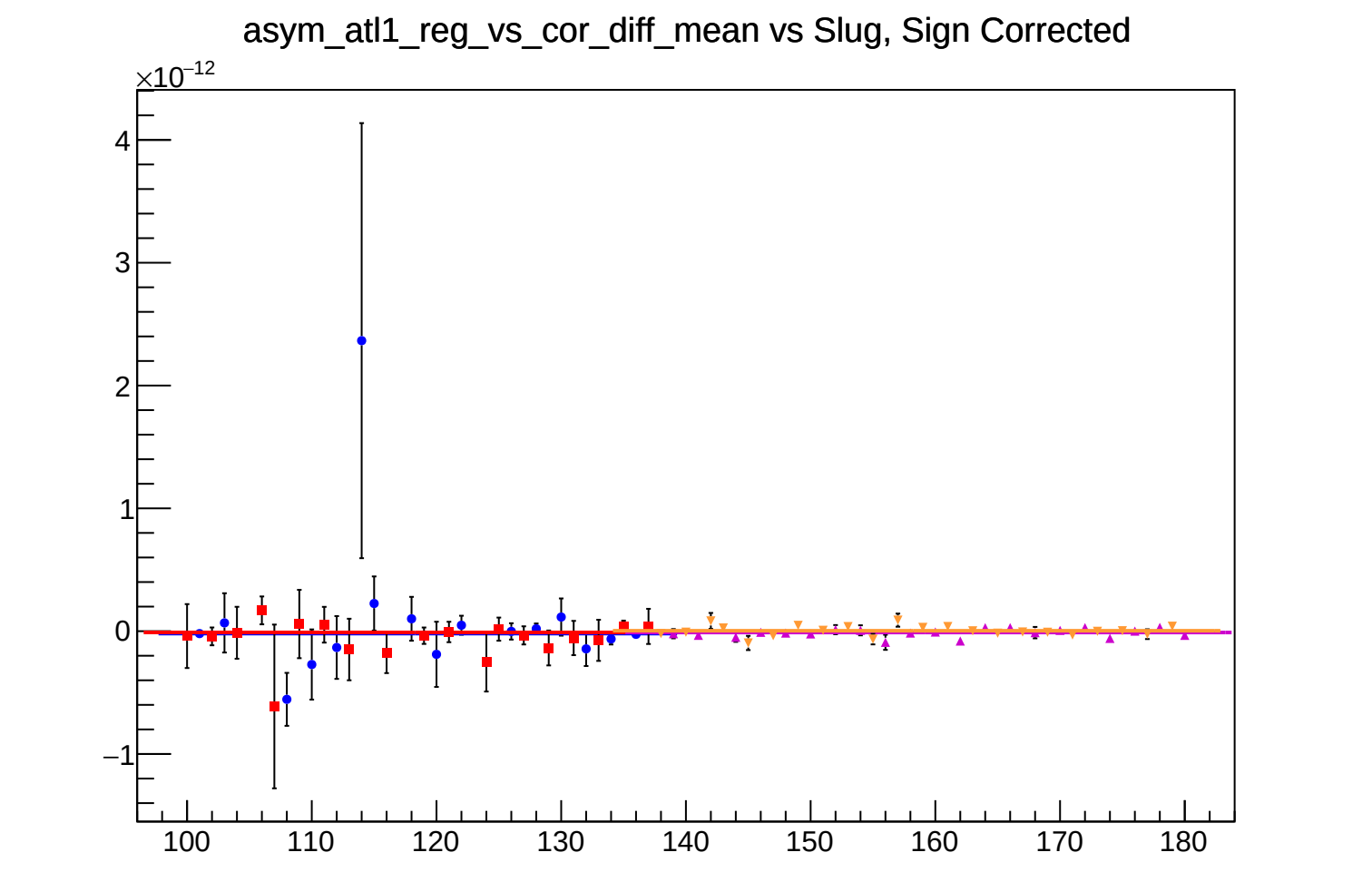
Left: 2528.842+/-0.304 χ^2/NDF: 163871.2/42

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2600.895+/-0.375 χ^2/NDF:852385.7/36

Out: 2637.783+/-0.379 χ^2/NDF:1334512.6/40

All: 2619.151+/-0.266 χ^2/NDF: 2191688.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:31.1/20

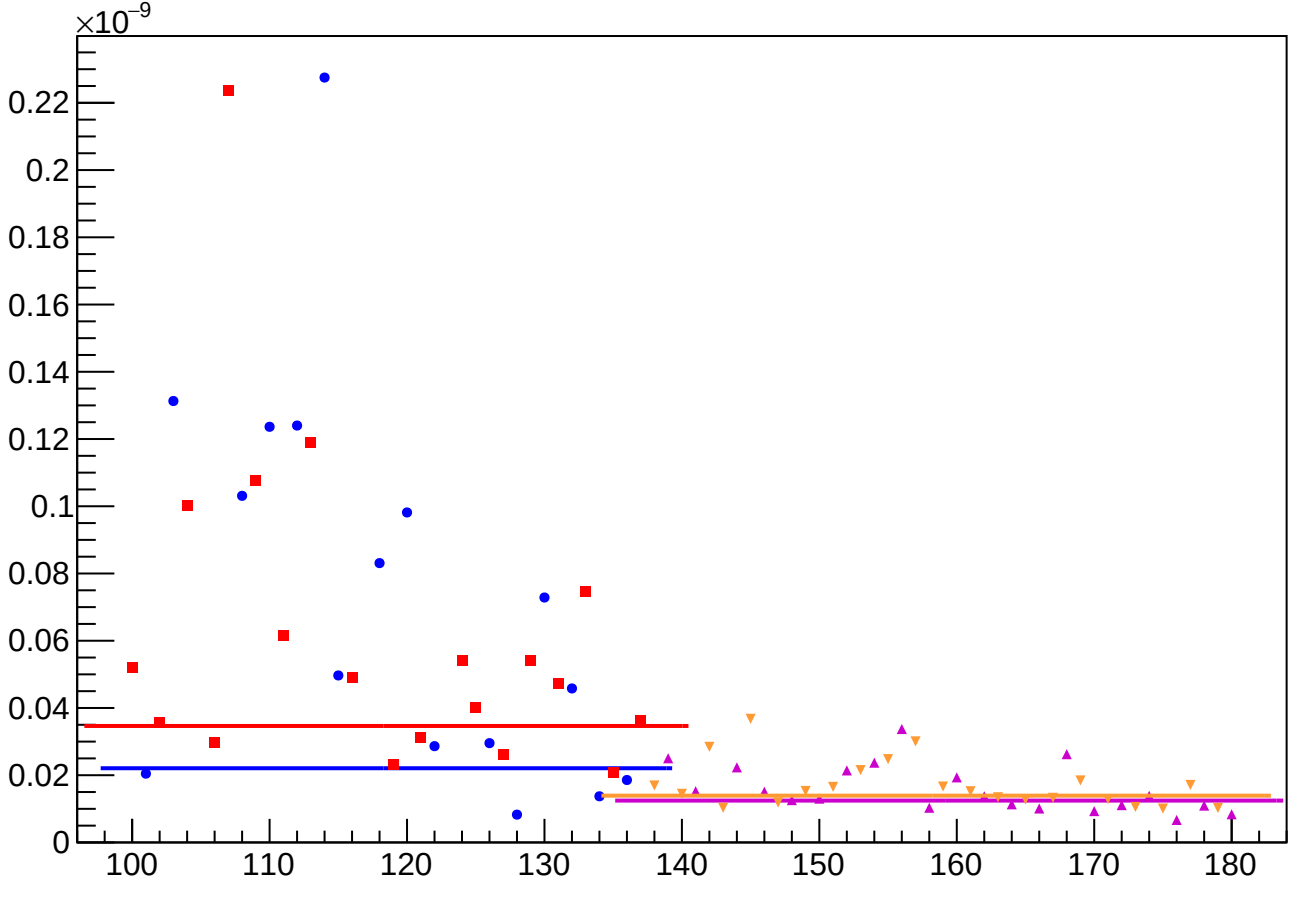
Left: -0.000+/-0.000 χ^2/NDF: 61.4/42

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:46.8/36

Out: 0.000+/-0.000 χ^2/NDF:35.6/40

All: -0.000+/-0.000 χ^2/NDF: 85.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1257476.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1662177.5/20

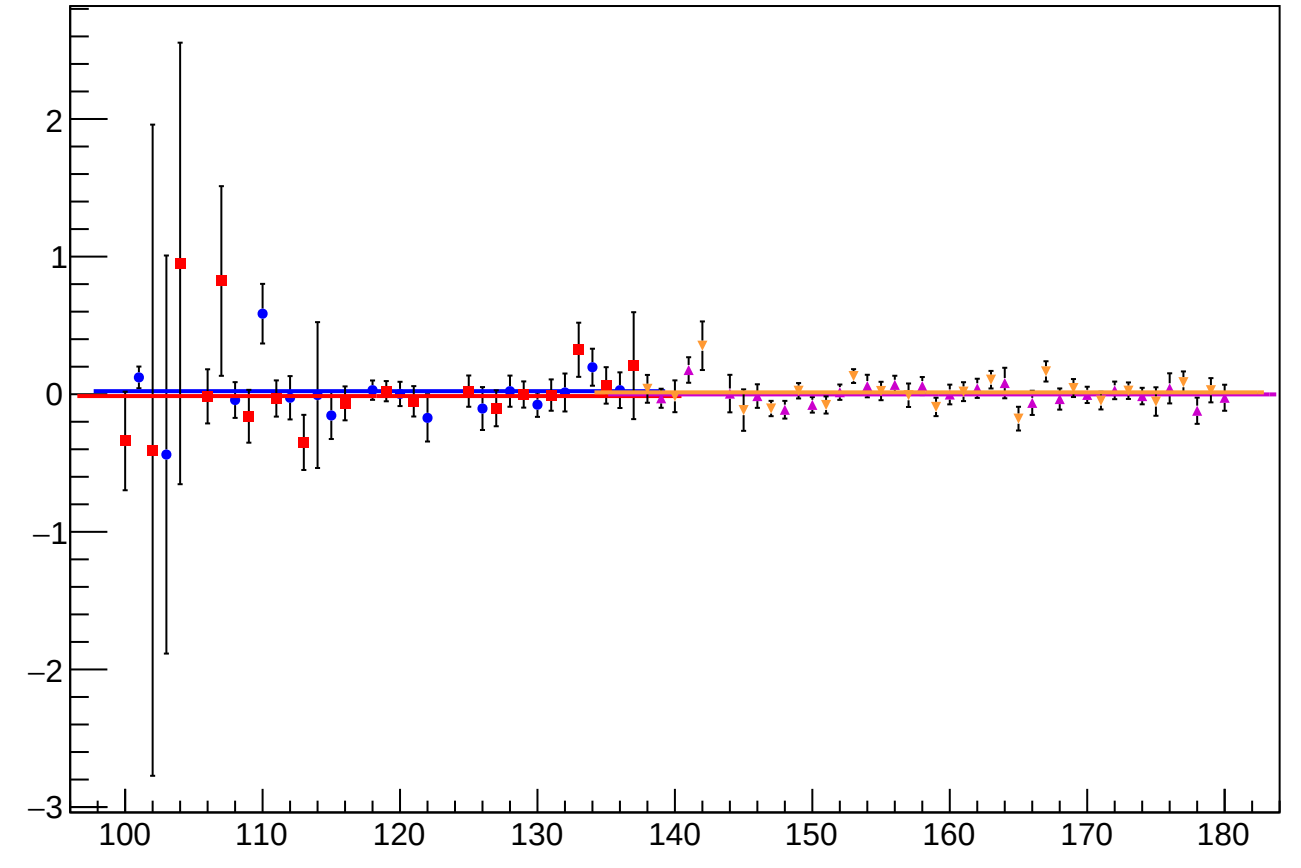
Left: 0.000+/-0.000 χ^2/NDF: 2990504.7/42

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:4579028.8/36

Out: 0.000+/-0.000 χ^2/NDF:3868558.1/40

All: 0.000+/-0.000 χ^2/NDF: 8539243.9/77



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.9/20

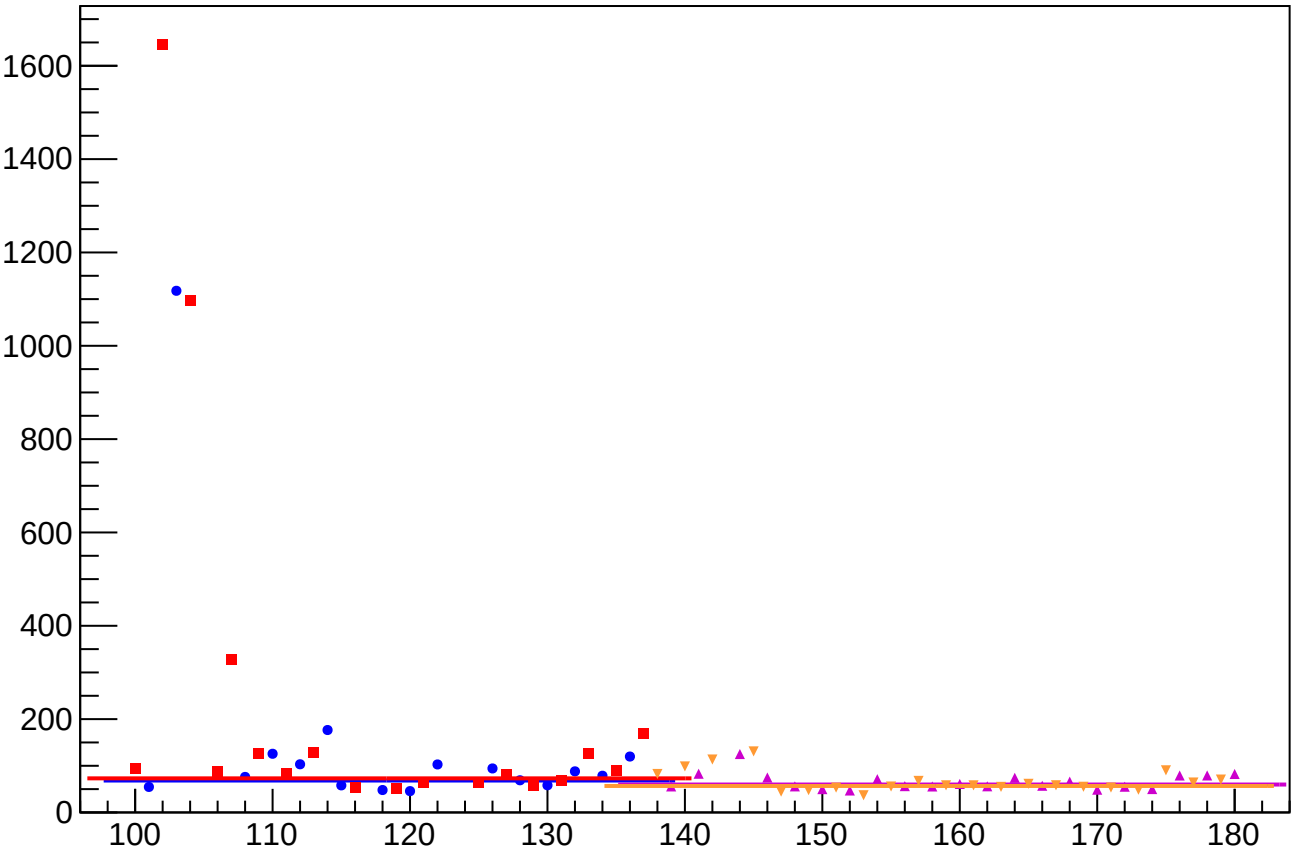
Left: 0.006+/-0.011 χ^2/NDF: 48.5/41

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.2/36

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.006+/-0.010 χ^2/NDF: 74.7/75



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

Left: 58.264+/-0.008 χ^2/NDF: 3272798.3/41

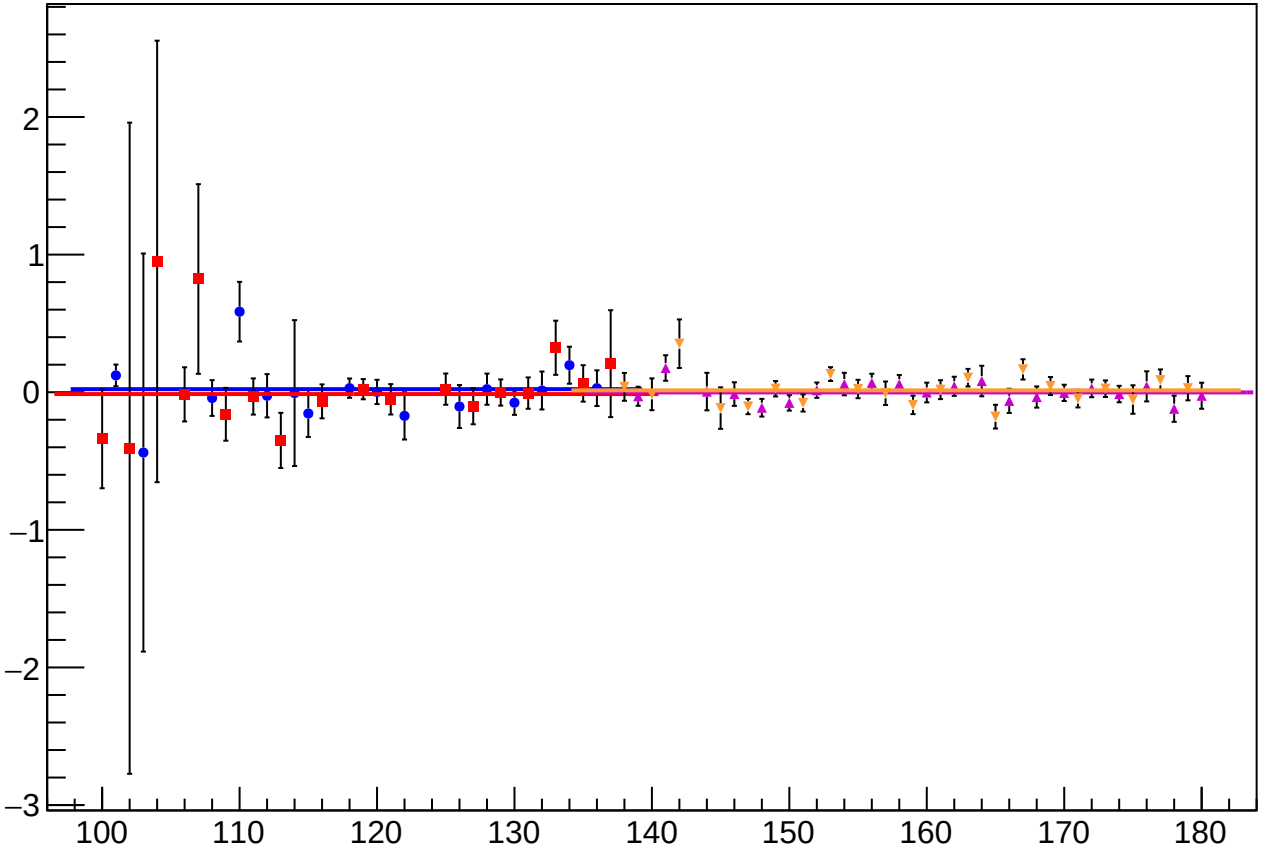
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.718+/-0.010 χ^2/NDF:3732442.8/36

Out: 59.709+/-0.010 χ^2/NDF:5210413.1/38

All: 60.719+/-0.007 χ^2/NDF: 8962909.3/75

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.9/20

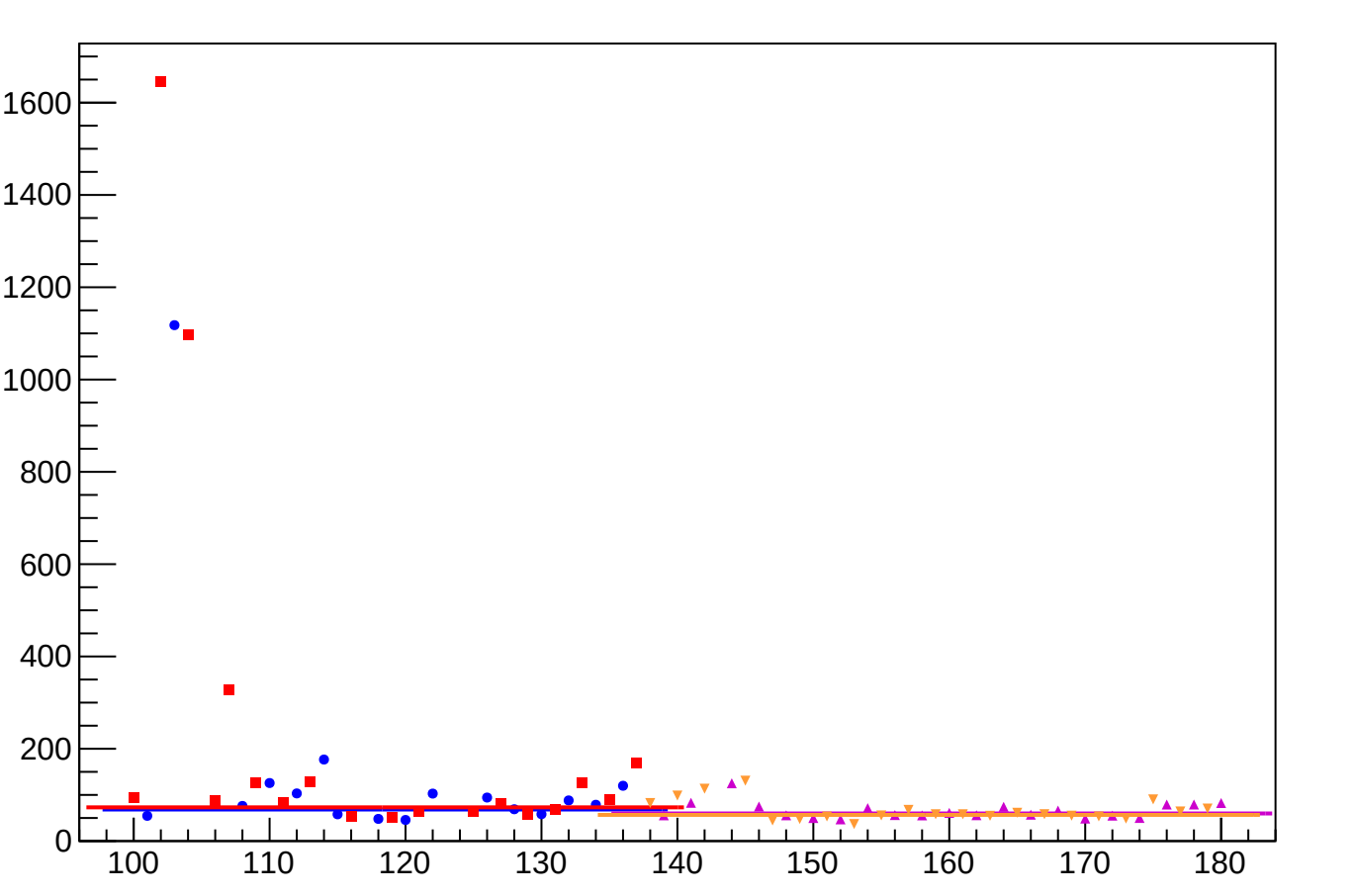
Left: 0.006+/-0.011 χ^2/NDF: 48.5/41

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.2/36

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.006+/-0.010 χ^2/NDF: 74.7/75



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.823+/-0.011 χ^2/NDF:1327272.1/20

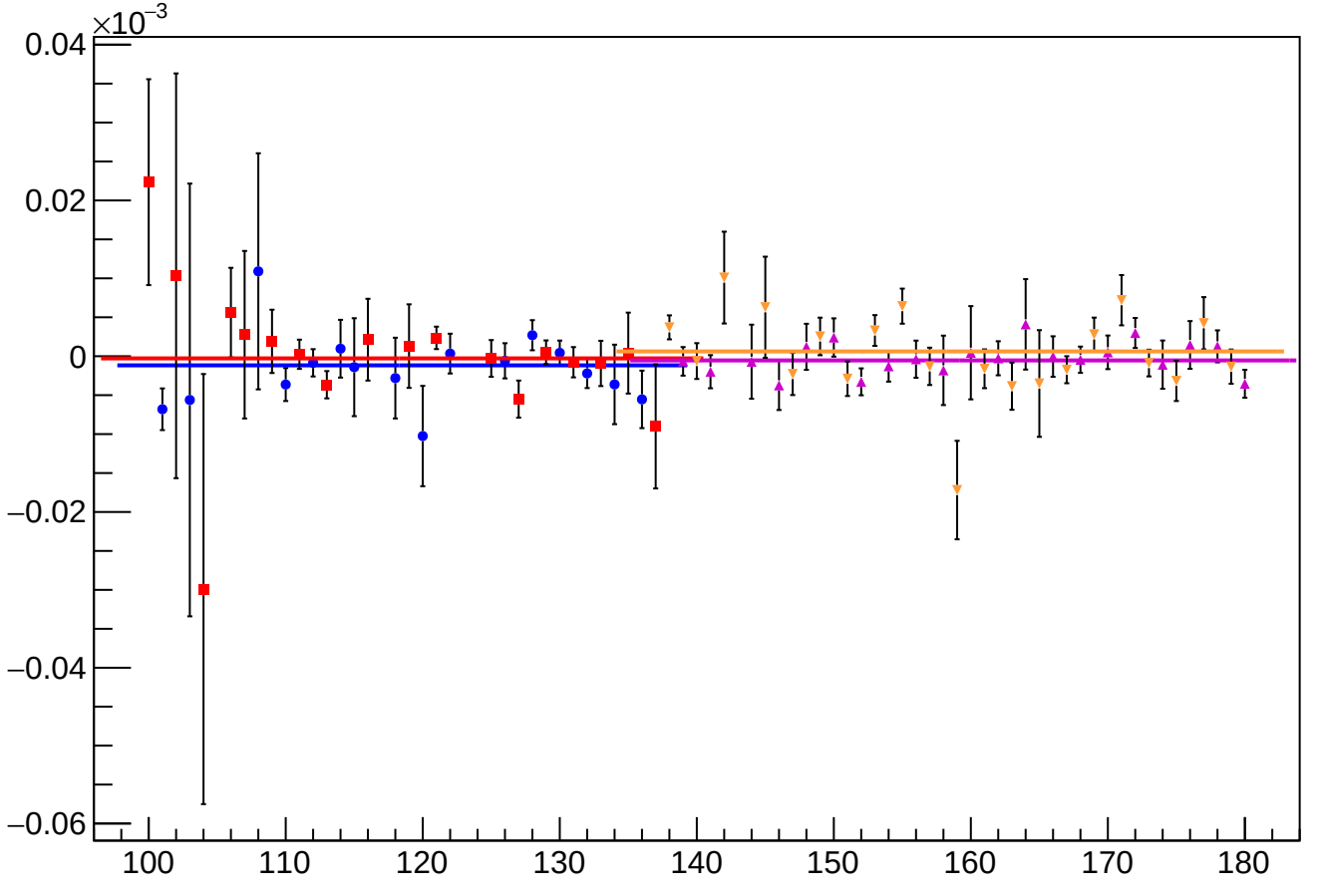
Left: 58.264+/-0.008 χ^2/NDF: 3272798.3/41

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.718+/-0.010 χ^2/NDF:3732442.8/36

Out: 59.709+/-0.010 χ^2/NDF:5210413.1/38

All: 60.719+/-0.007 χ^2/NDF: 8962909.3/75



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:14.3/20

Left: 0.000+/-0.000 χ^2/NDF: 61.0/41

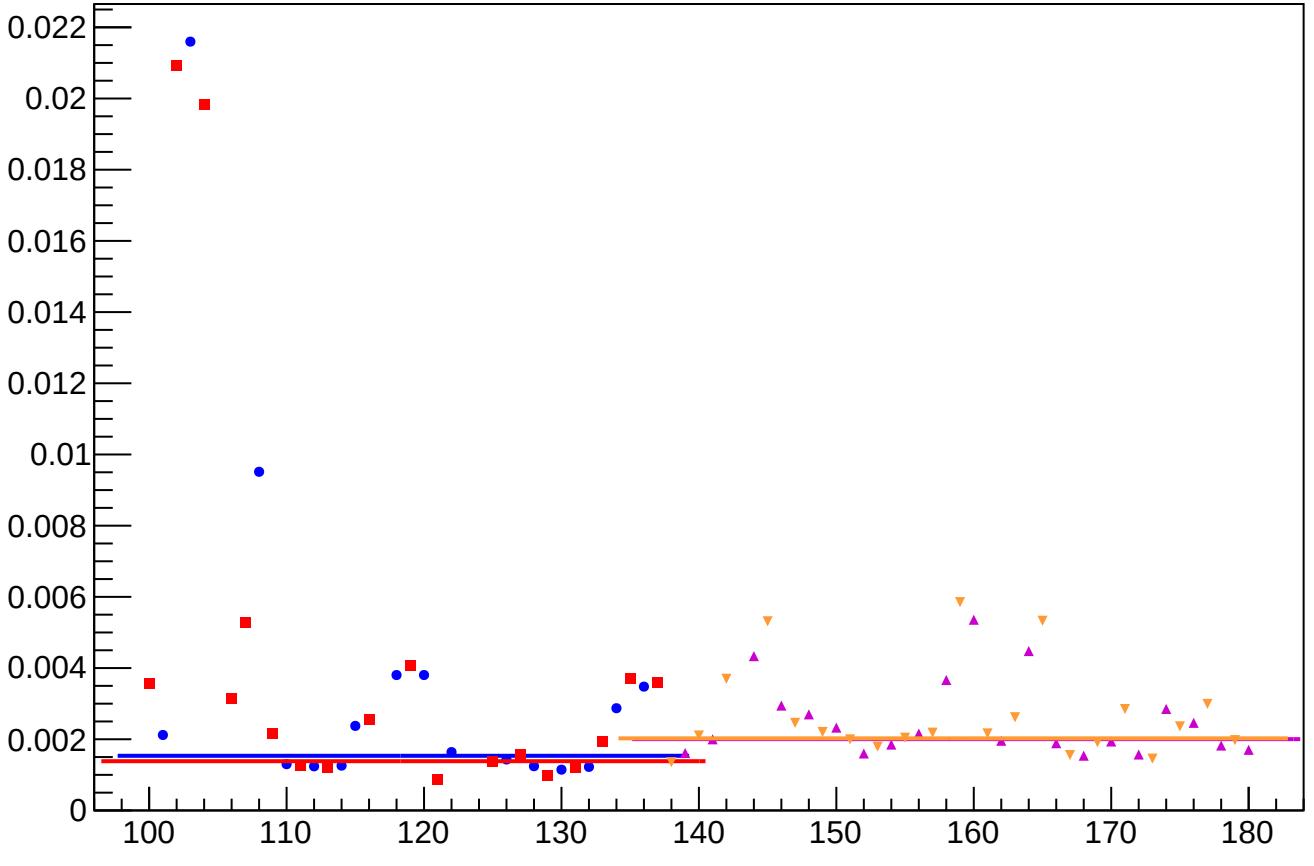
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:31.2/36

Out: 0.000+/-0.000 χ^2/NDF:64.9/38

All: -0.000+/-0.000 χ^2/NDF: 99.3/75

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3137810.8/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2816401.5/20

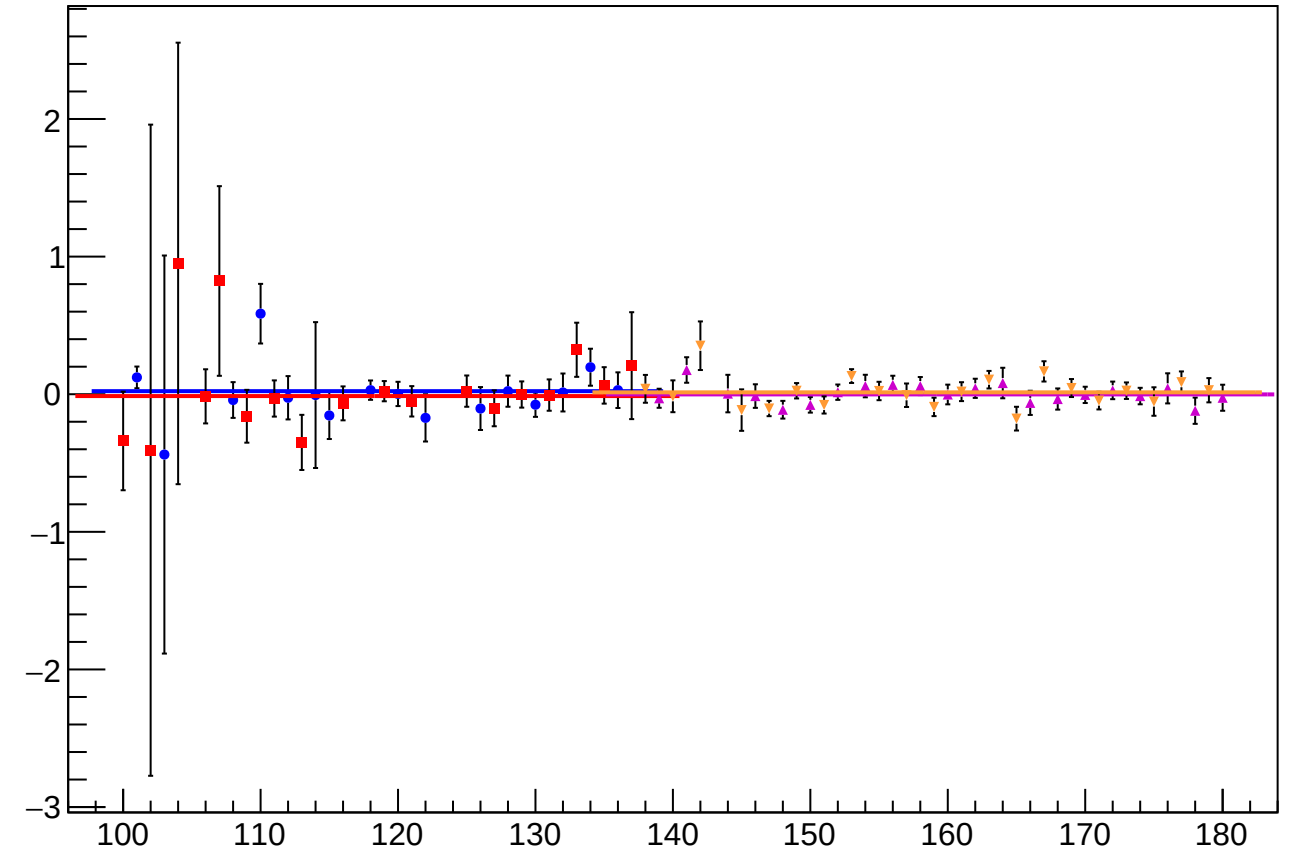
Left: 0.002+/-0.000 χ^2/NDF: 5956003.7/41

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6809162.0/36

Out: 0.002+/-0.000 χ^2/NDF:8613606.9/38

All: 0.002+/-0.000 χ^2/NDF: 15450002.5/75



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.9/20

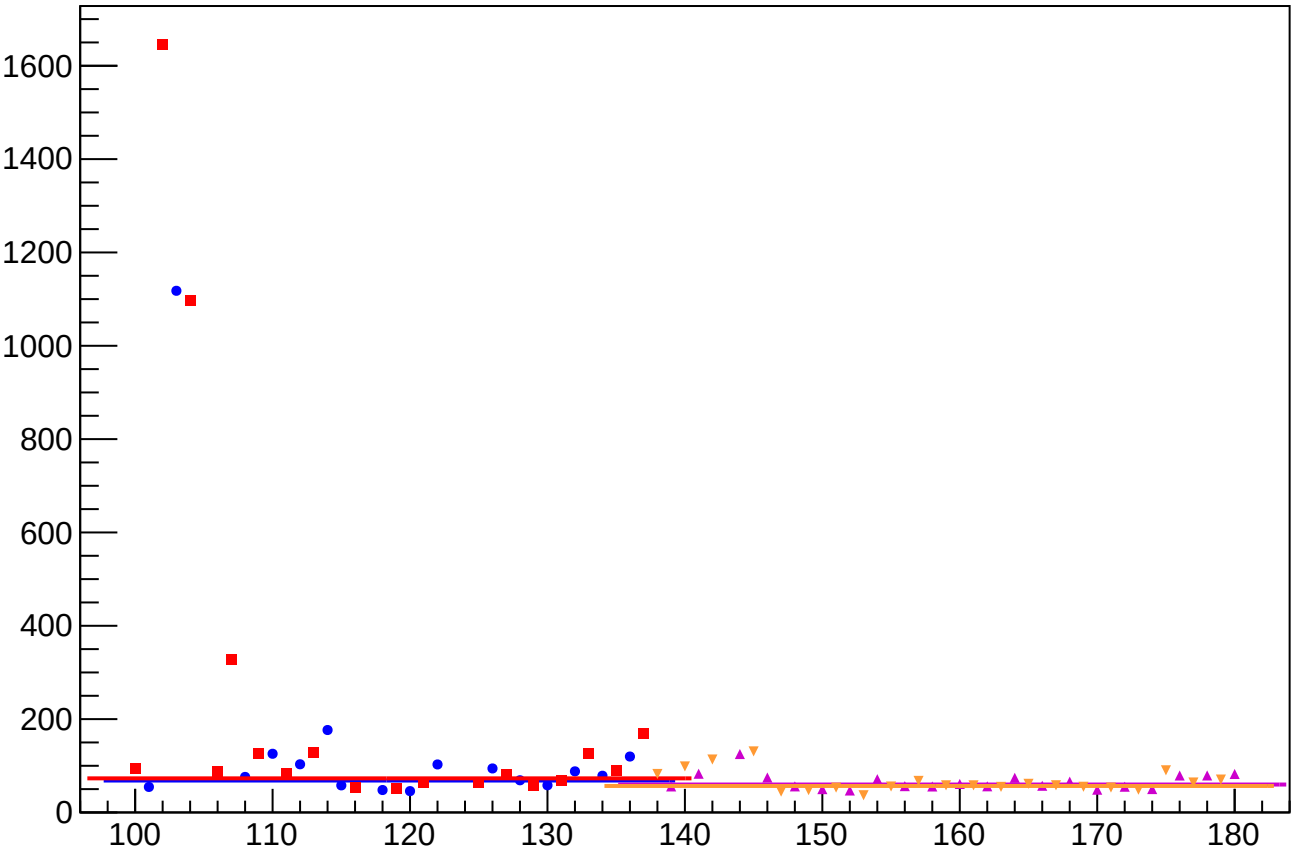
Left: 0.006+/-0.011 χ^2/NDF: 48.5/41

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.2/36

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.006+/-0.010 χ^2/NDF: 74.7/75



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

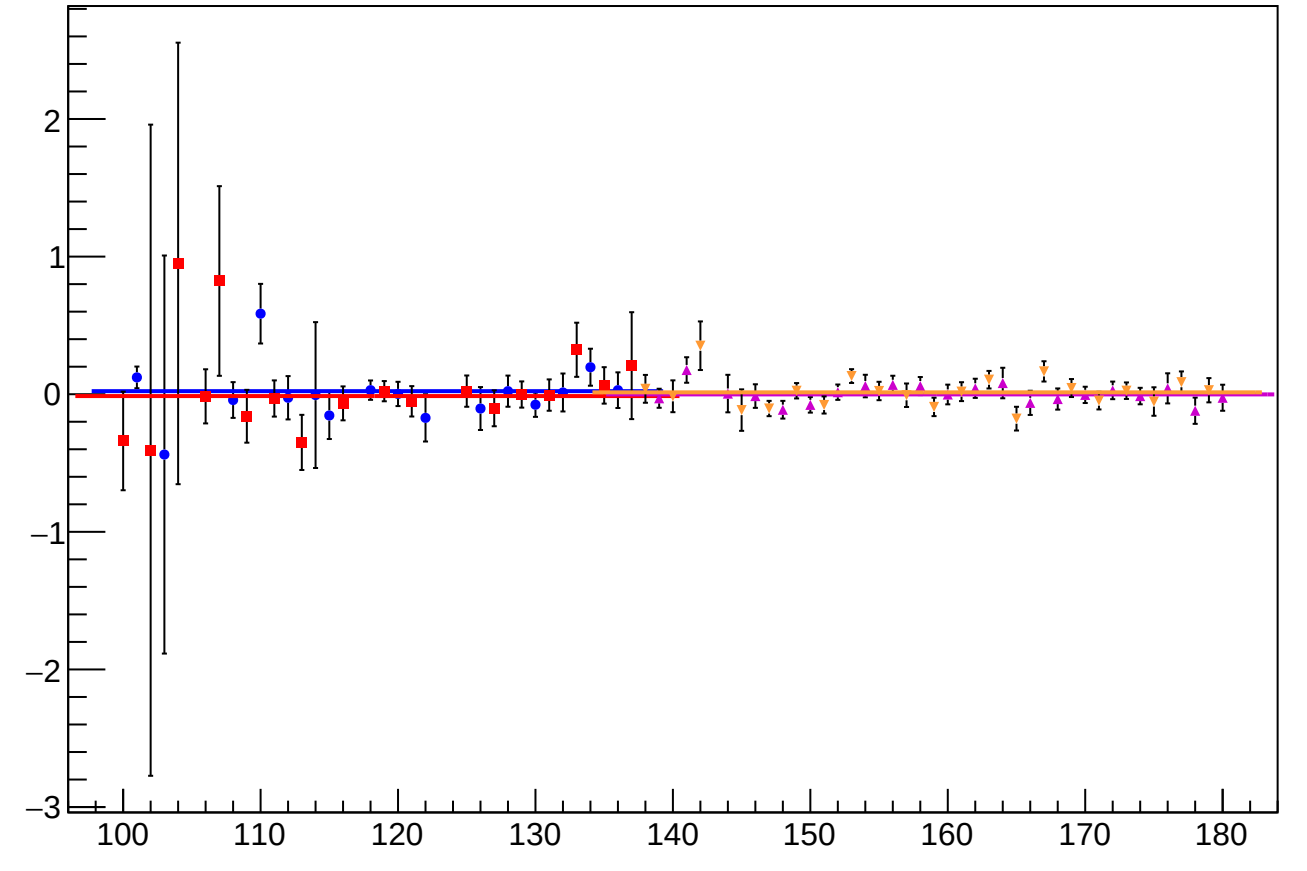
Left: 58.264+/-0.008 χ^2/NDF: 3272859.0/41

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.718+/-0.010 χ^2/NDF:3732477.7/36

Out: 59.709+/-0.010 χ^2/NDF:5210476.2/38

All: 60.719+/-0.007 χ^2/NDF: 8963007.9/75



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.9/20

Left: 0.006+/-0.011 χ^2/NDF: 48.5/41

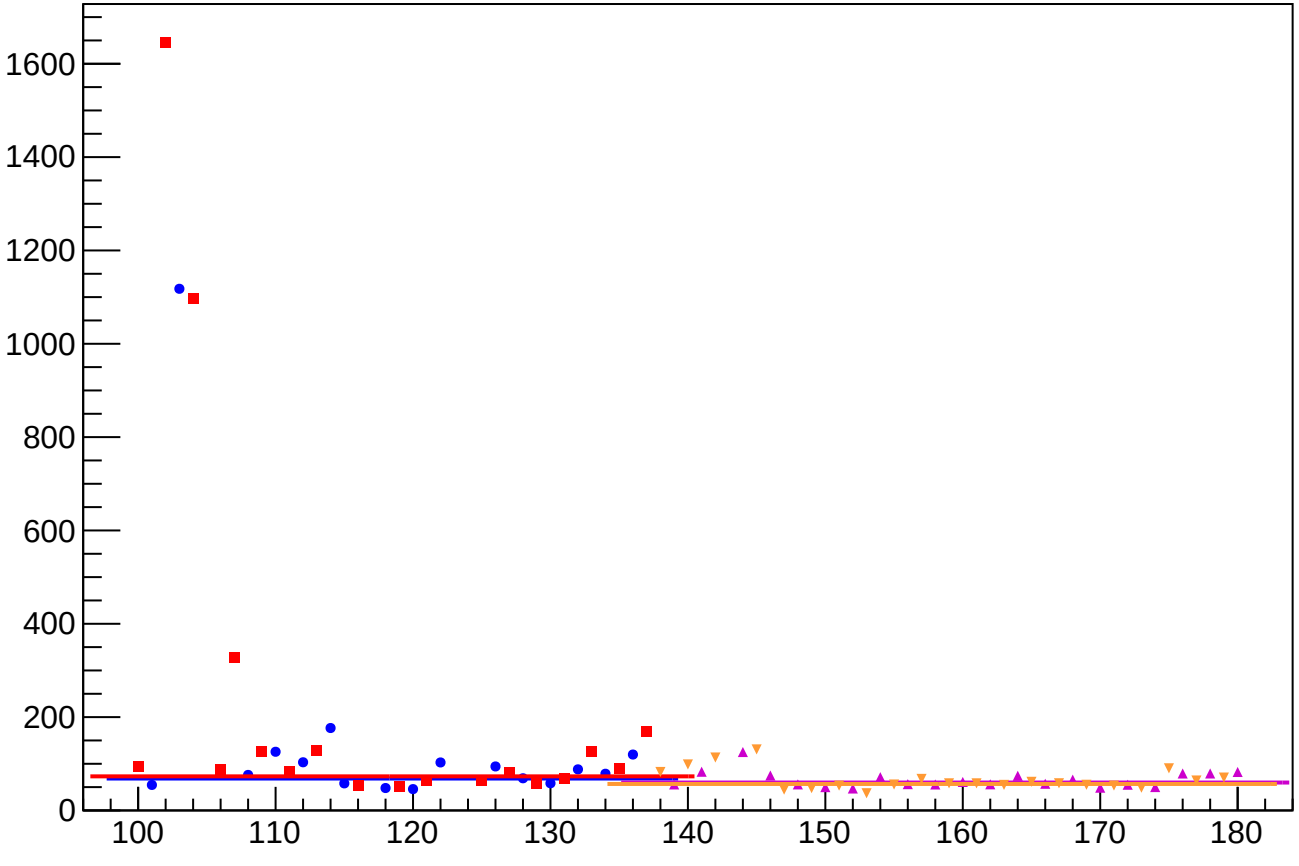
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.004+/-0.014 χ^2/NDF:30.2/36

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.006+/-0.010 χ^2/NDF: 74.7/75

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: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.823+/-0.011 χ^2/NDF:1327255.5/20

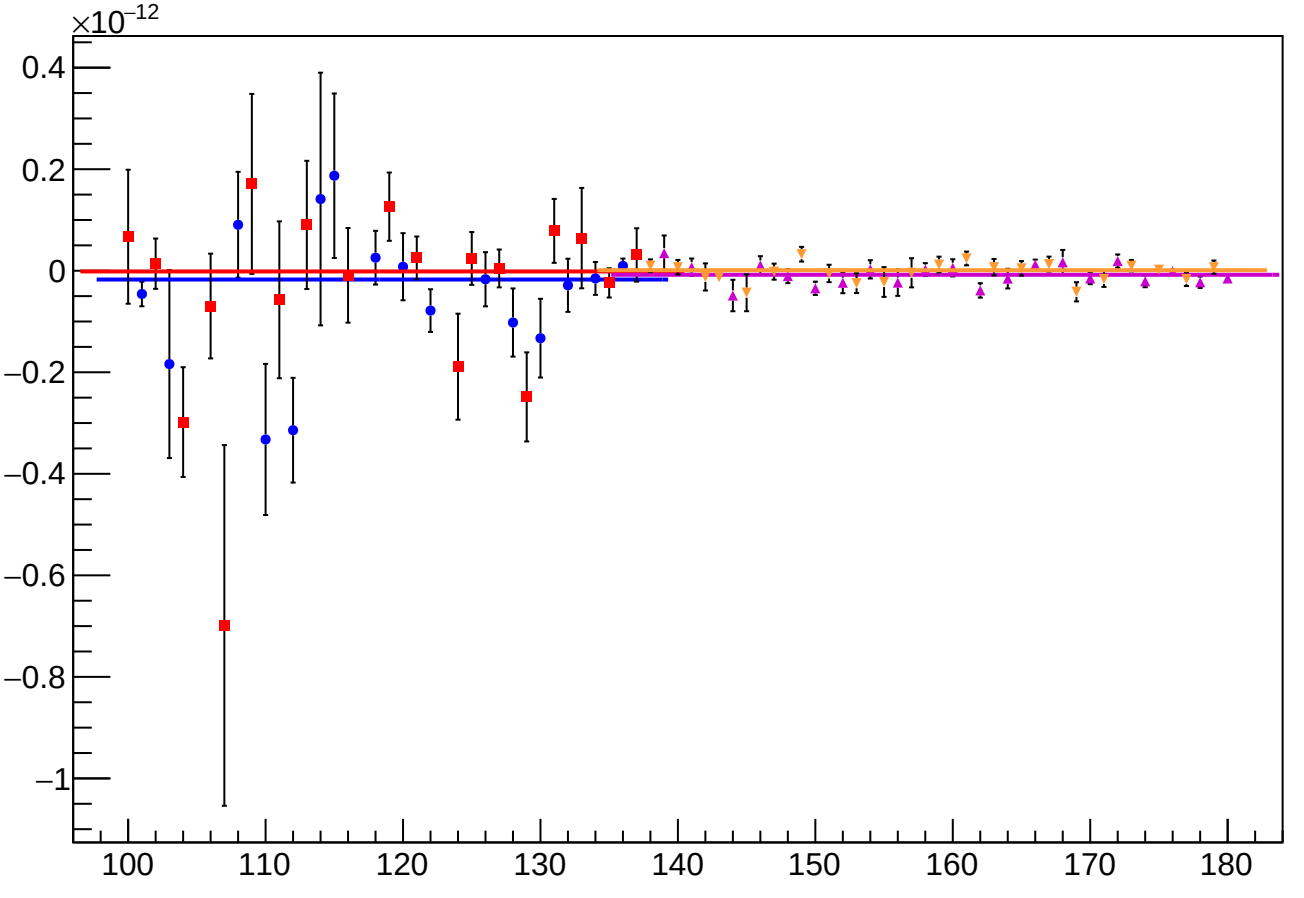
Left: 58.264+/-0.008 χ^2/NDF: 3272859.0/41

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.718+/-0.010 χ^2/NDF:3732477.7/36

Out: 59.709+/-0.010 χ^2/NDF:5210476.2/38

All: 60.719+/-0.007 χ^2/NDF: 8963007.9/75



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:30.6/20

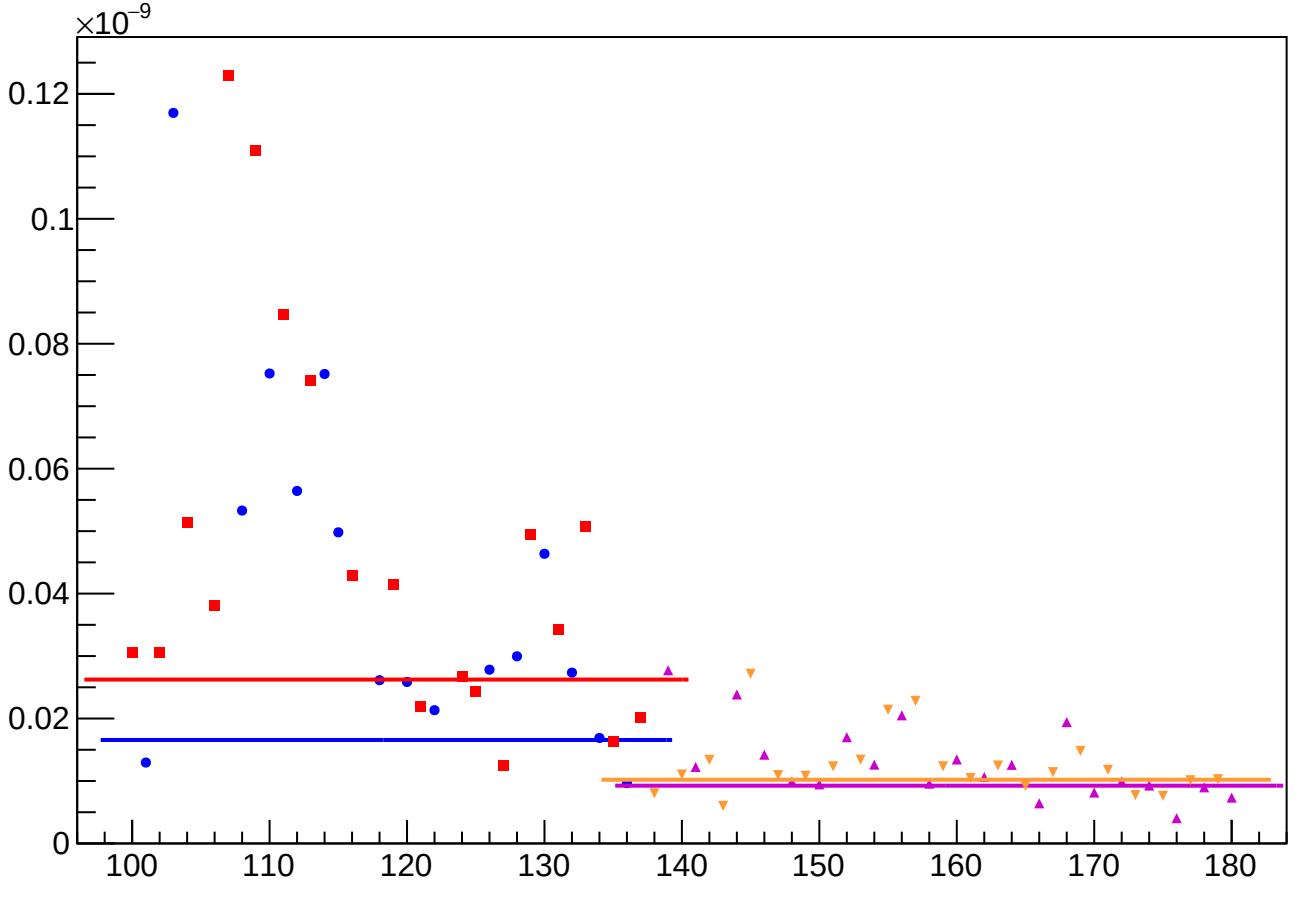
Left: -0.000+/-0.000 χ^2/NDF: 59.8/42

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:59.6/36

Out: 0.000+/-0.000 χ^2/NDF:57.1/40

All: -0.000+/-0.000 χ^2/NDF: 122.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187196.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3772572.6/20

Left: 0.000+/-0.000 χ^2/NDF: 6058228.5/42

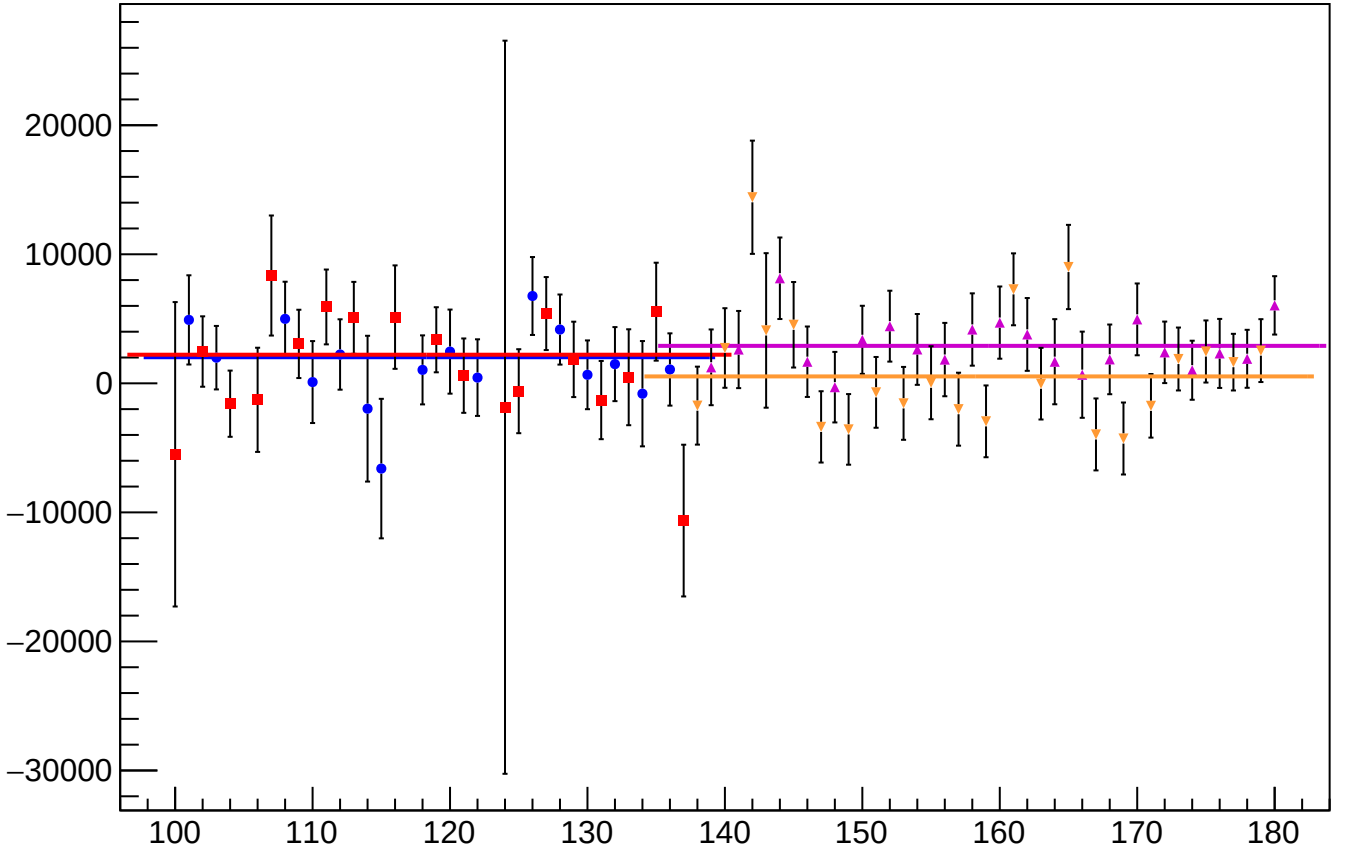
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:7583845.5/36

Out: 0.000+/-0.000 χ^2/NDF:6947590.8/40

All: 0.000+/-0.000 χ^2/NDF: 14671820.0/77

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.499+/-599.841 χ^2/NDF:41.3/21

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2903.793+/-591.495 χ^2/NDF:10.0/20

Left: 1736.236+/-421.170 χ^2/NDF: 59.2/42

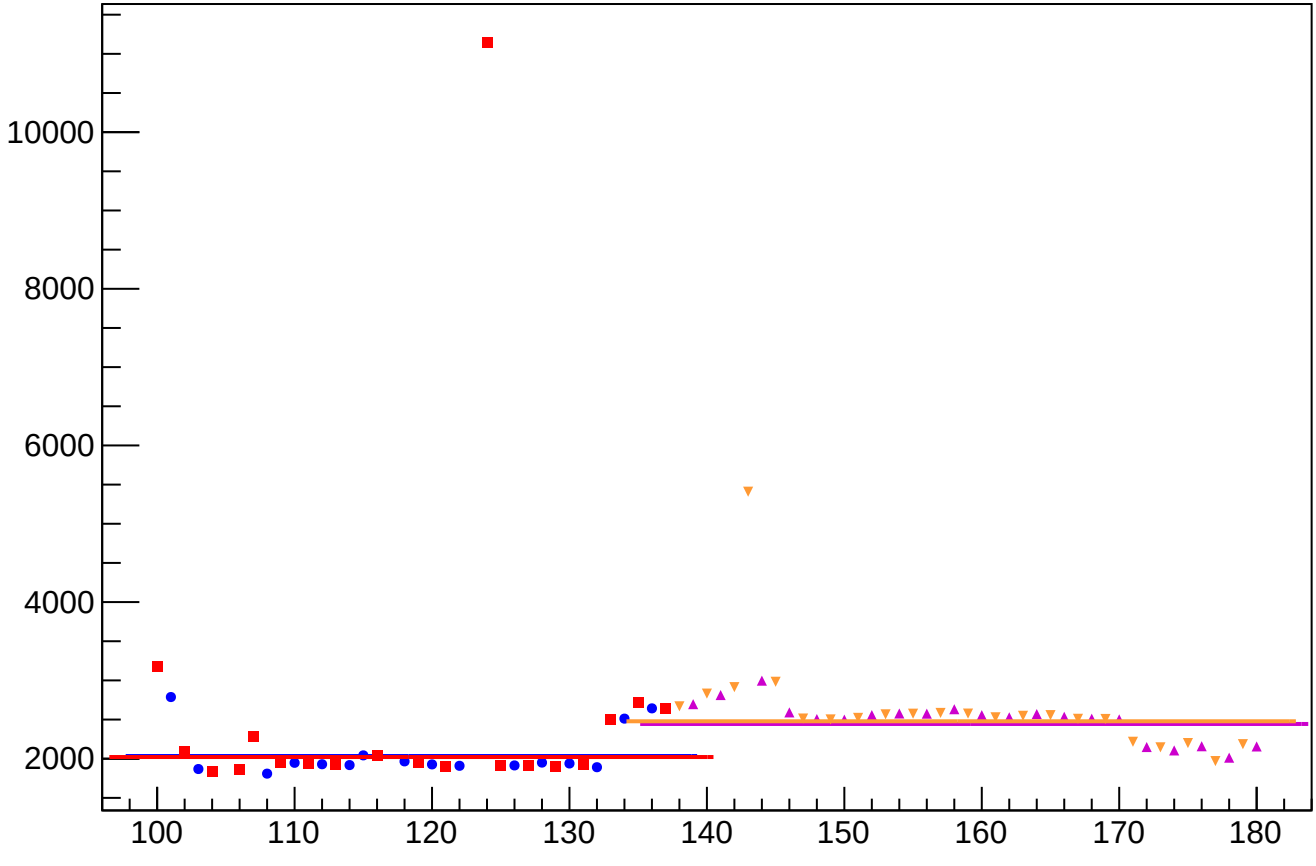
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2573.780+/-467.788 χ^2/NDF:20.5/36

Out: 1185.072+/-469.930 χ^2/NDF:62.4/40

All: 1882.599+/-331.531 χ^2/NDF: 87.3/77

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2443.681+/-0.418 χ^2/NDF:350021.2/20

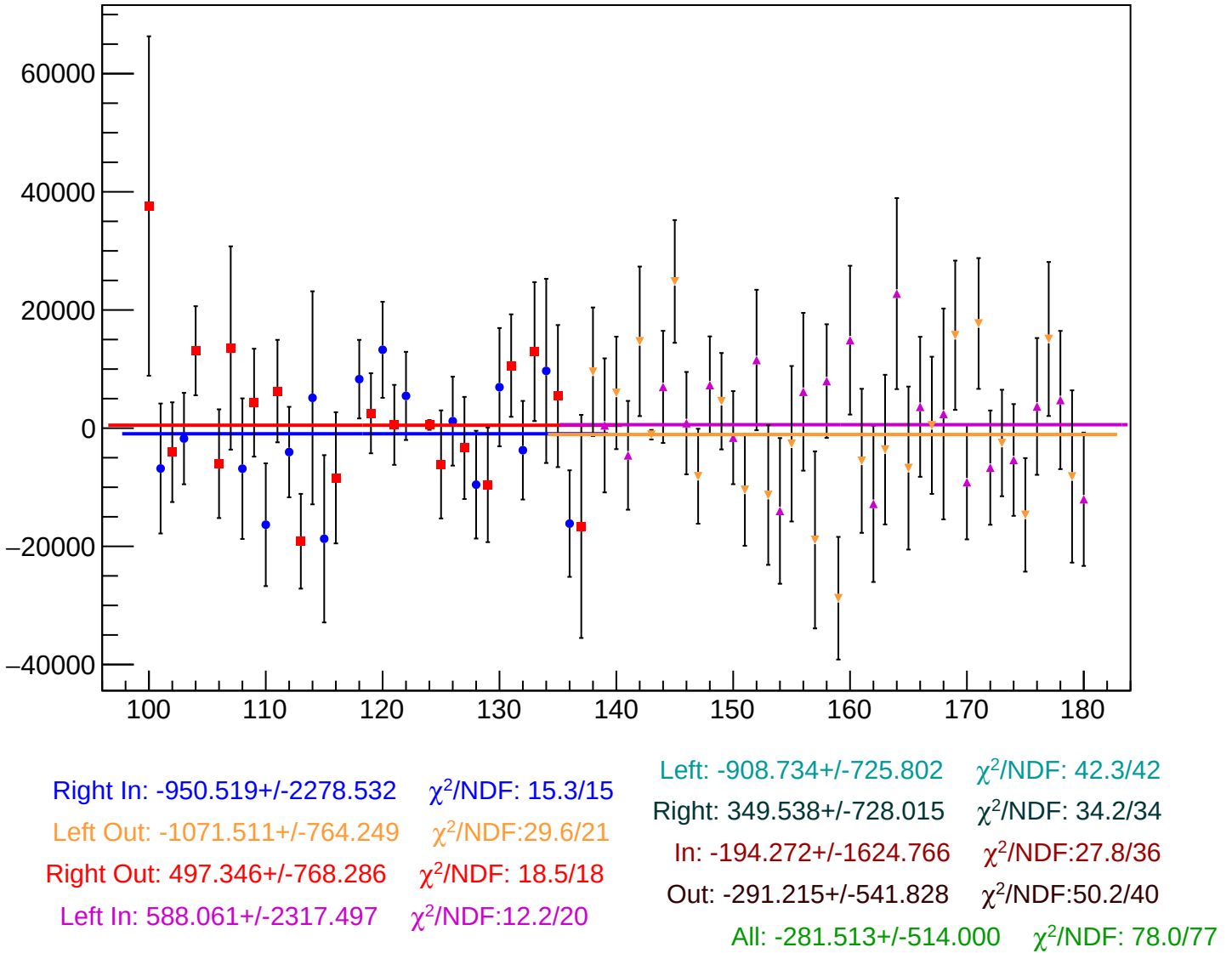
Left: 2460.613+/-0.298 χ^2/NDF: 1169823.1/42

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2290.296+/-0.331 χ^2/NDF:972058.9/36

Out: 2301.712+/-0.332 χ^2/NDF:1654167.6/40

All: 2295.978+/-0.234 χ^2/NDF: 2626819.3/77


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
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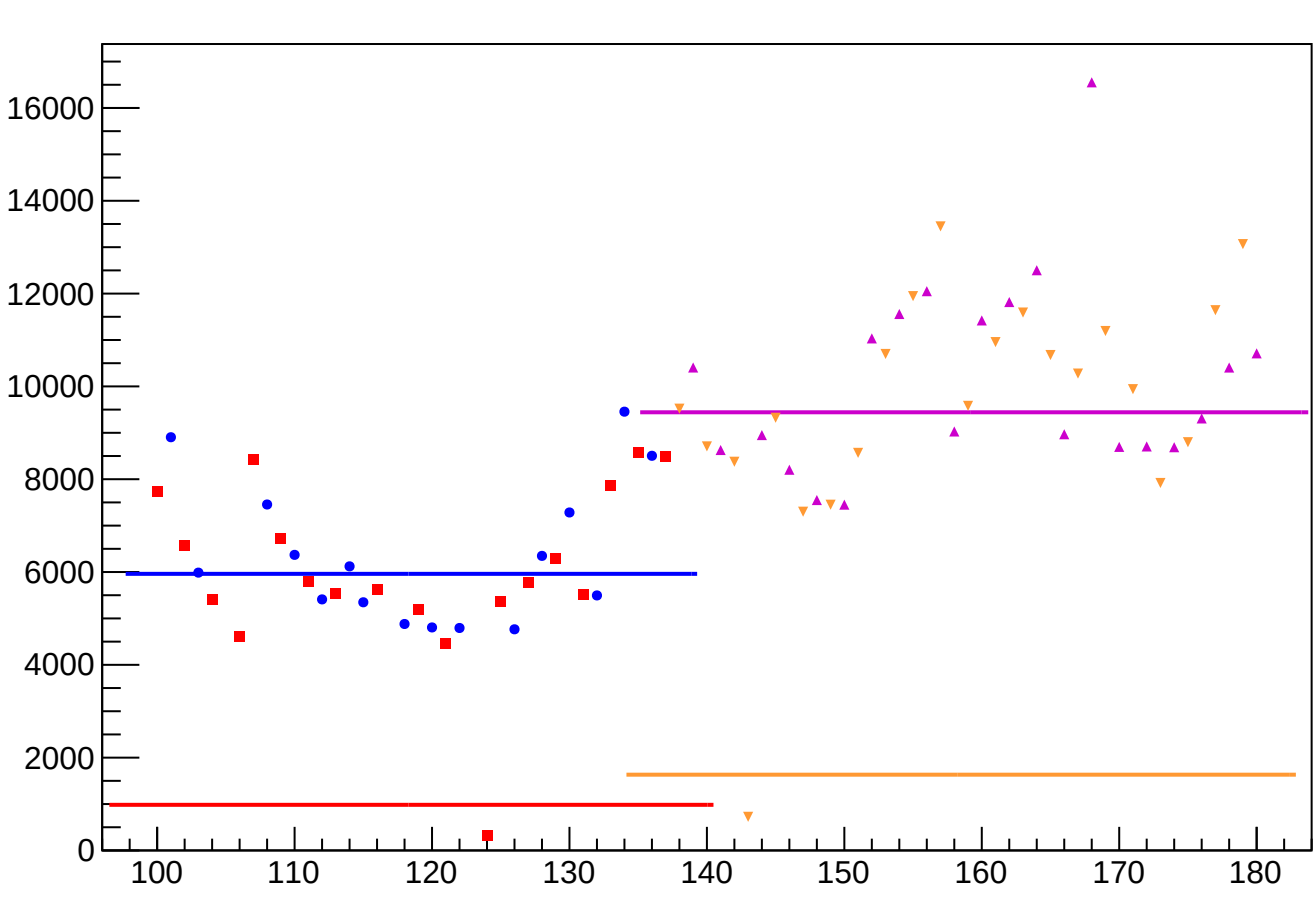
130
140
150
160
170
180
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1071.511+/-764.249 χ²/NDF:29.6/21
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 588.061+/-2317.497 χ²/NDF:12.2/20
Left: -908.734+/-725.802 χ²/NDF: 42.3/42
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: -194.272+/-1624.766 χ²/NDF:27.8/36
Out: -291.215+/-541.828 χ²/NDF:50.2/40
All: -281.513+/-514.000 χ²/NDF: 78.0/77



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1632.889+/-0.540 χ^2/NDF:25401035.6/21

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9442.209+/-1.639 χ^2/NDF:1065982.4/20

Left: 2398.858+/-0.513 χ^2/NDF: 46949577.1/42

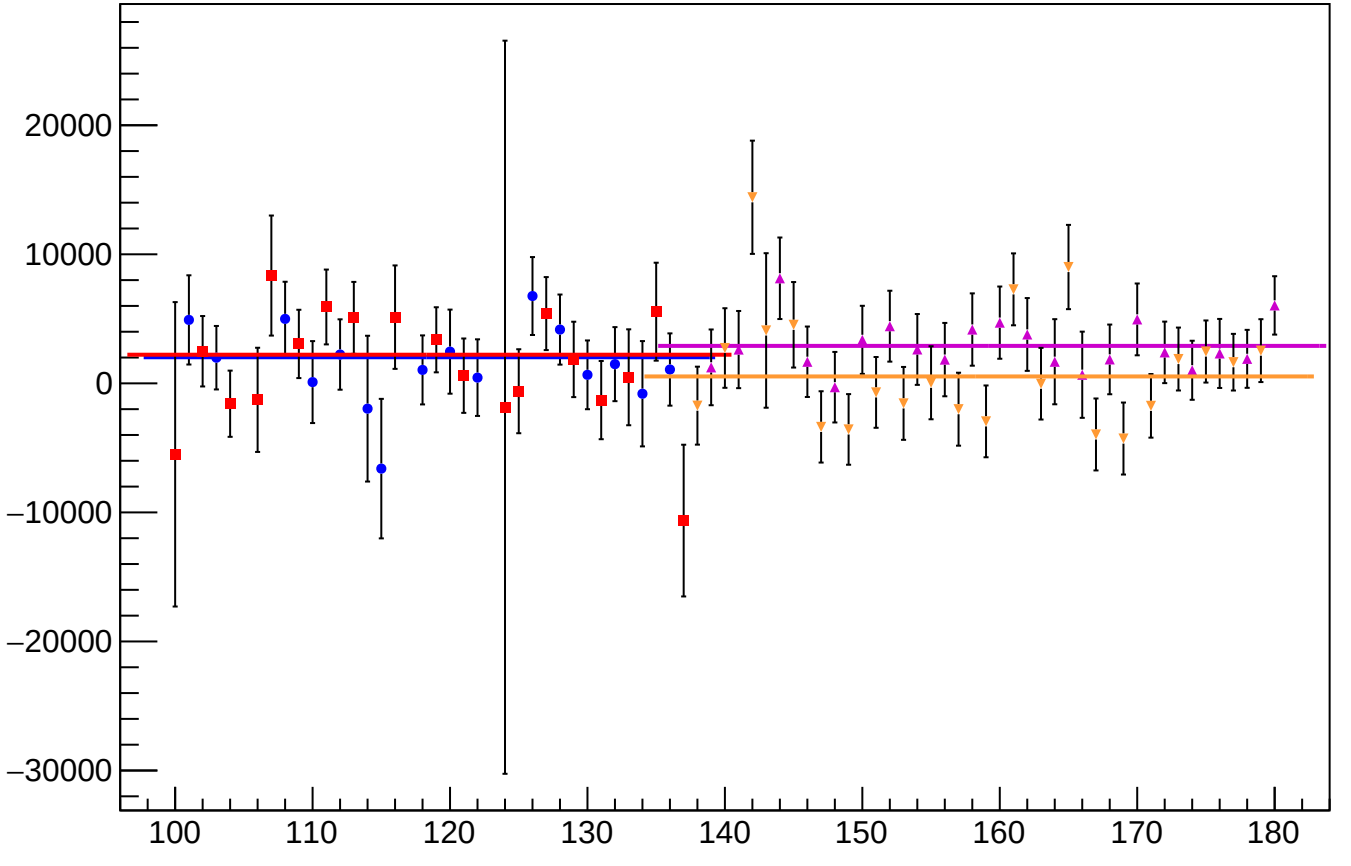
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7671.992+/-1.149 χ^2/NDF:4050198.7/36

Out: 1309.814+/-0.383 χ^2/NDF:37536333.2/40

All: 1946.537+/-0.363 χ^2/NDF: 69183669.6/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2903.711+/-591.495 χ^2/NDF:10.0/20

Left: 1736.174+/-421.170 χ^2/NDF: 59.2/42

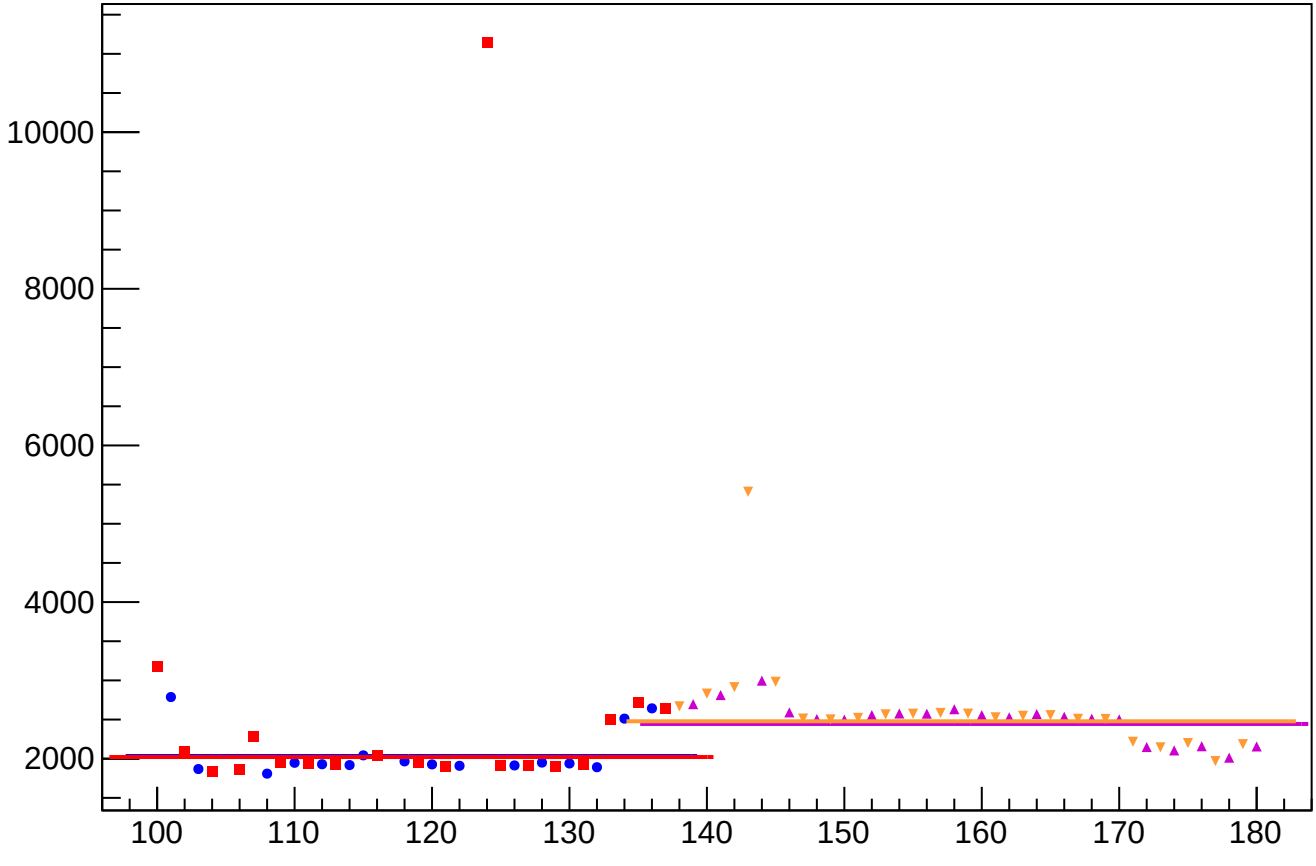
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2573.776+/-467.788 χ^2/NDF:20.5/36

Out: 1185.747+/-469.932 χ^2/NDF:62.4/40

All: 1882.936+/-331.531 χ^2/NDF: 87.3/77

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

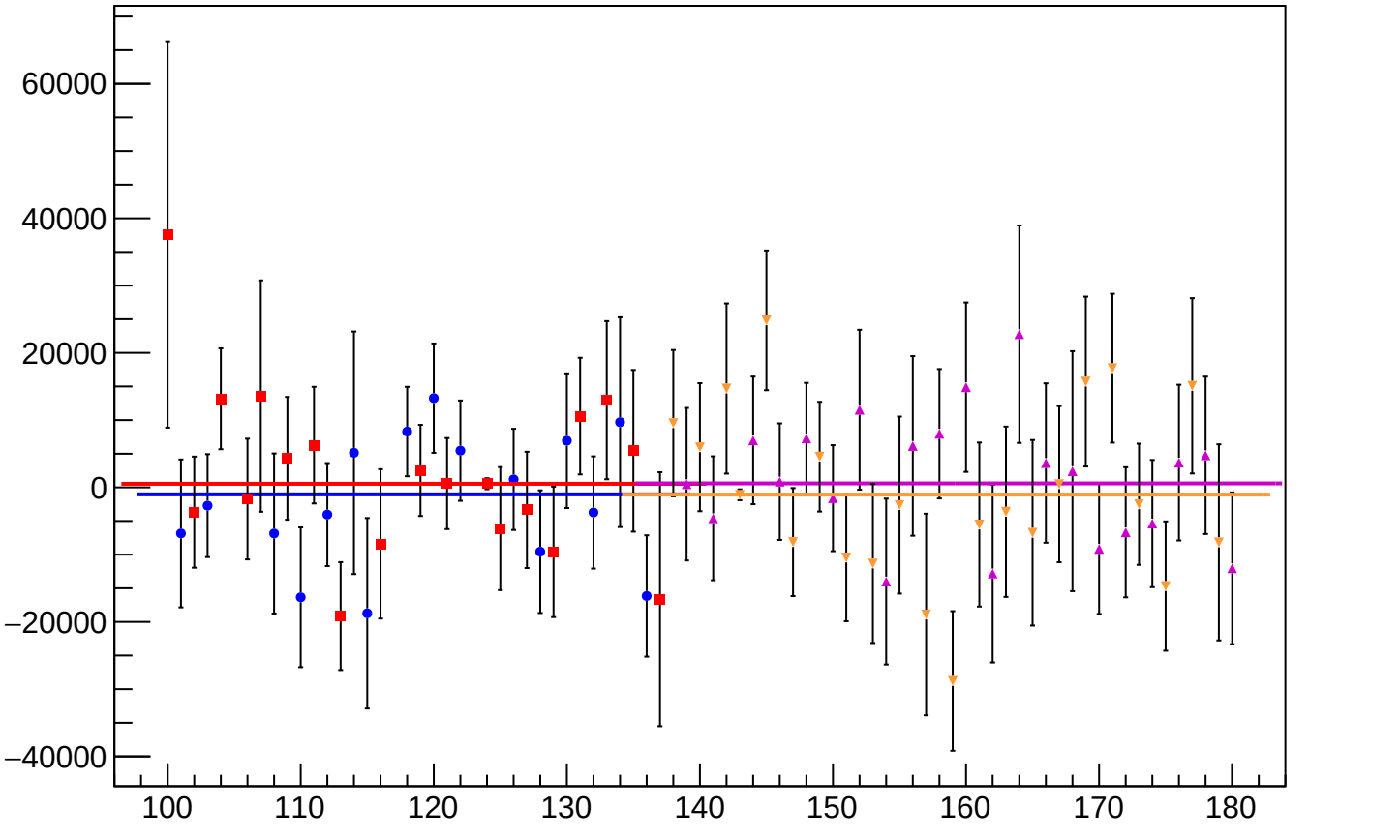
Left: 2460.613+/-0.298 χ^2/NDF: 1169823.1/42

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2290.296+/-0.331 χ^2/NDF:972059.0/36

Out: 2301.722+/-0.332 χ^2/NDF:1654131.6/40

All: 2295.983+/-0.234 χ^2/NDF: 2626784.5/77


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
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100
110
120
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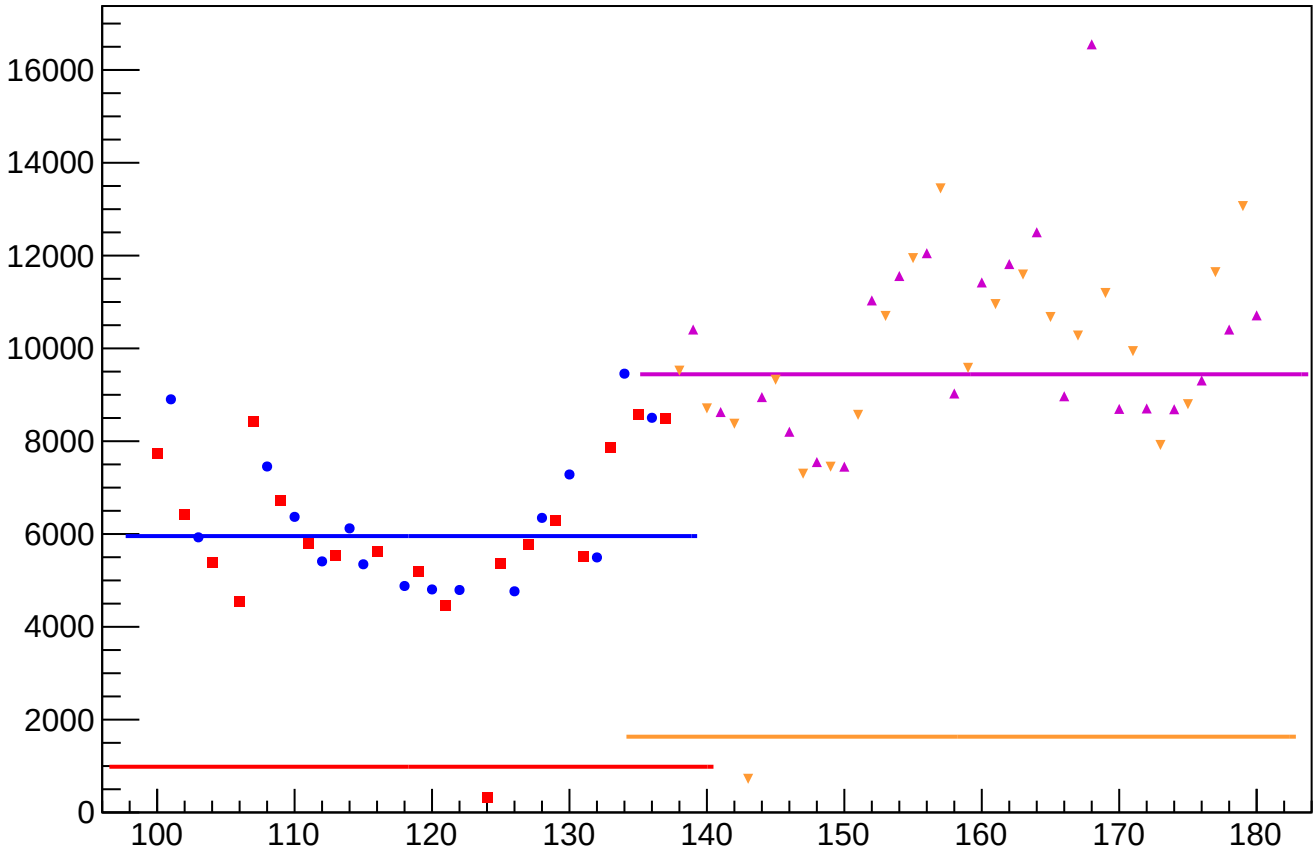
140
150
160
170
180
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1071.287+/-764.183 χ²/NDF:29.6/21
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 588.180+/-2317.495 χ²/NDF:12.2/20
Left: -908.545+/-725.745 χ²/NDF: 42.3/42
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -239.505+/-1623.912 χ²/NDF:27.8/36
Out: -274.249+/-541.685 χ²/NDF:49.9/40
All: -270.770+/-513.851 χ²/NDF: 77.7/77



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9442.199+/-1.639 χ^2/NDF:1065989.0/20

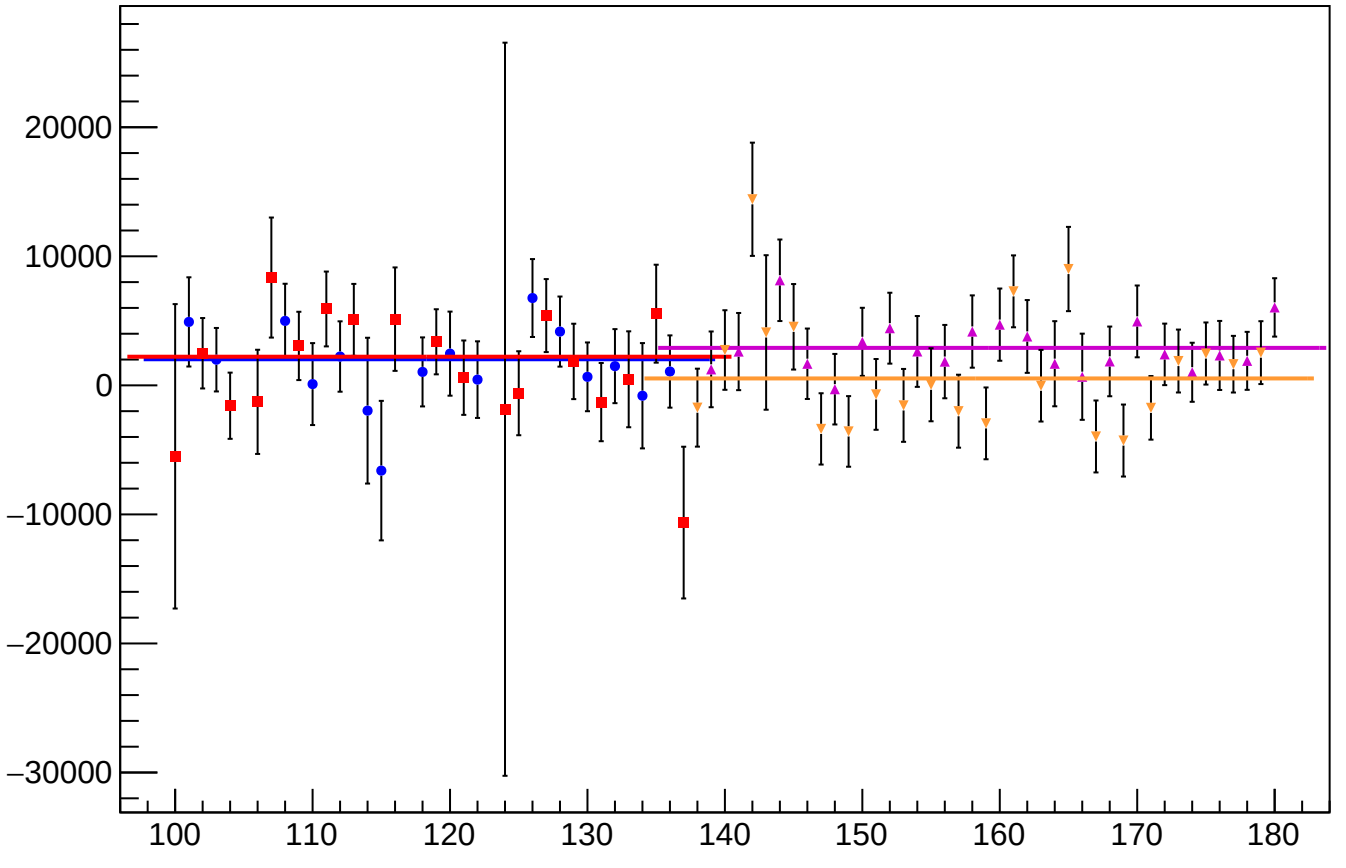
Left: 2398.540+/-0.513 χ^2/NDF: 46951942.2/42

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7667.564+/-1.148 χ^2/NDF:4059217.0/36

Out: 1310.448+/-0.383 χ^2/NDF:37529437.7/40

All: 1946.965+/-0.363 χ^2/NDF: 69169429.7/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2903.711+/-591.495 χ^2/NDF:10.0/20

Left: 1736.174+/-421.170 χ^2/NDF: 59.2/42

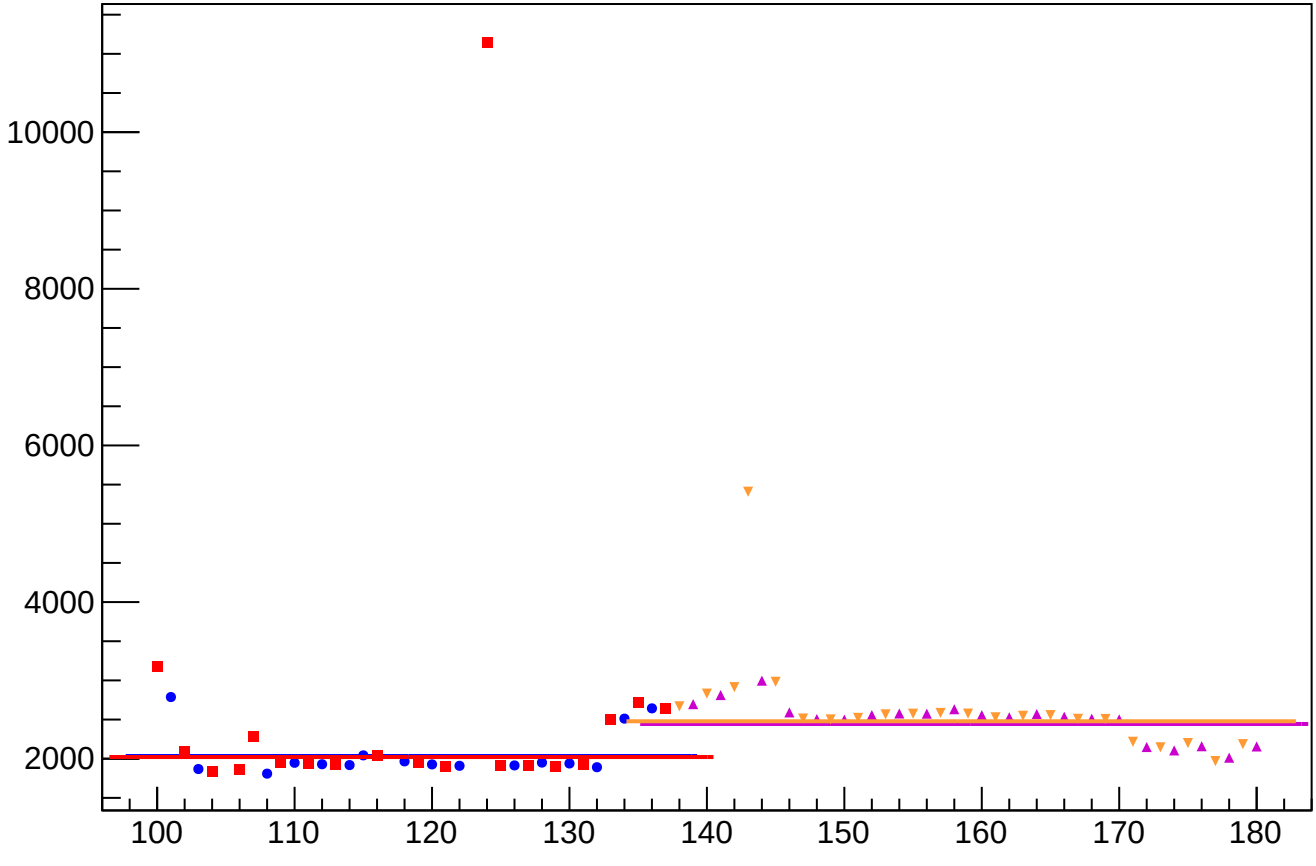
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2573.776+/-467.788 χ^2/NDF:20.5/36

Out: 1185.747+/-469.932 χ^2/NDF:62.4/40

All: 1882.936+/-331.531 χ^2/NDF: 87.3/77

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2443.681+/-0.418 χ^2/NDF:350021.1/20

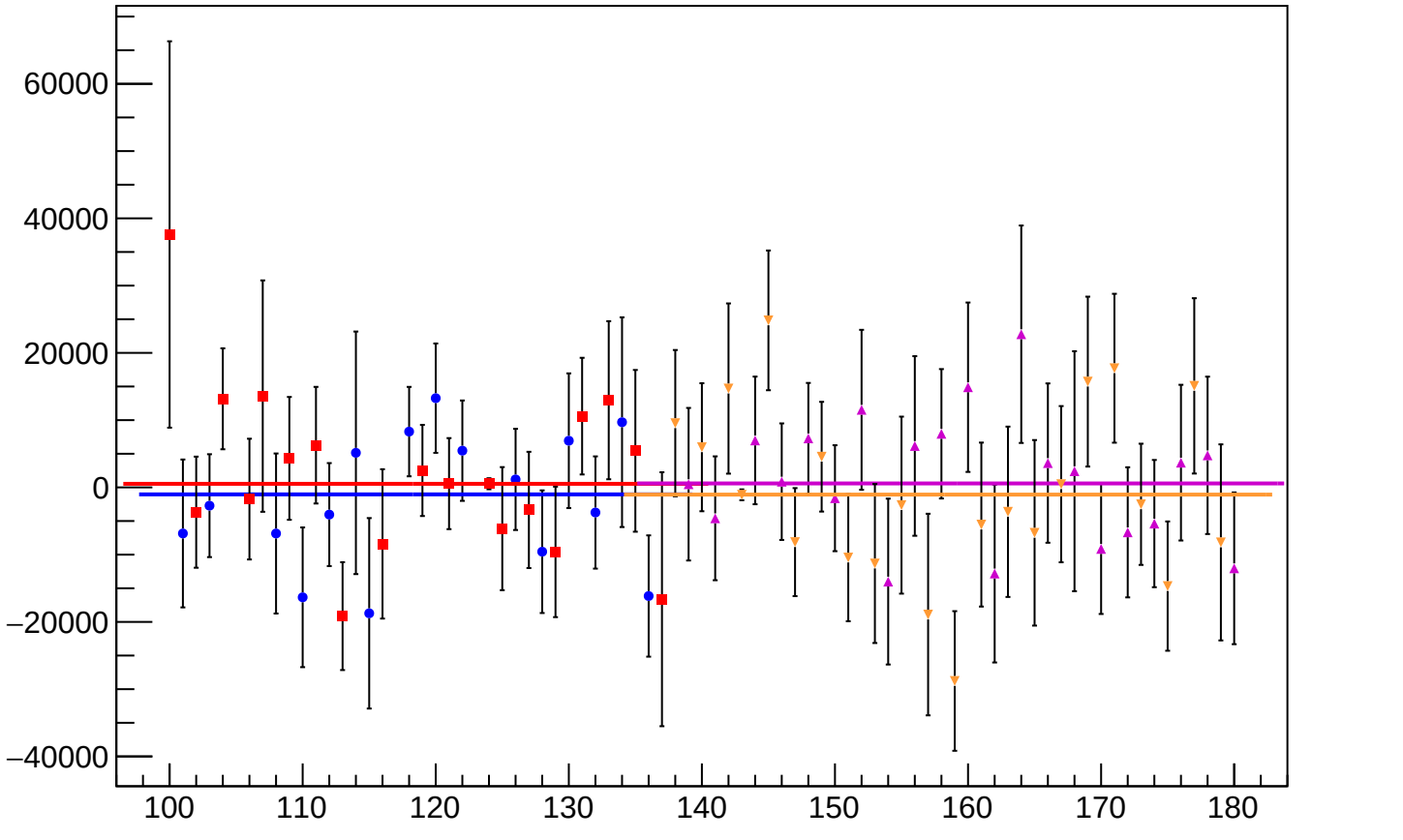
Left: 2460.613+/-0.298 χ^2/NDF: 1169823.1/42

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2290.296+/-0.331 χ^2/NDF:972059.0/36

Out: 2301.722+/-0.332 χ^2/NDF:1654131.6/40

All: 2295.983+/-0.234 χ^2/NDF: 2626784.5/77


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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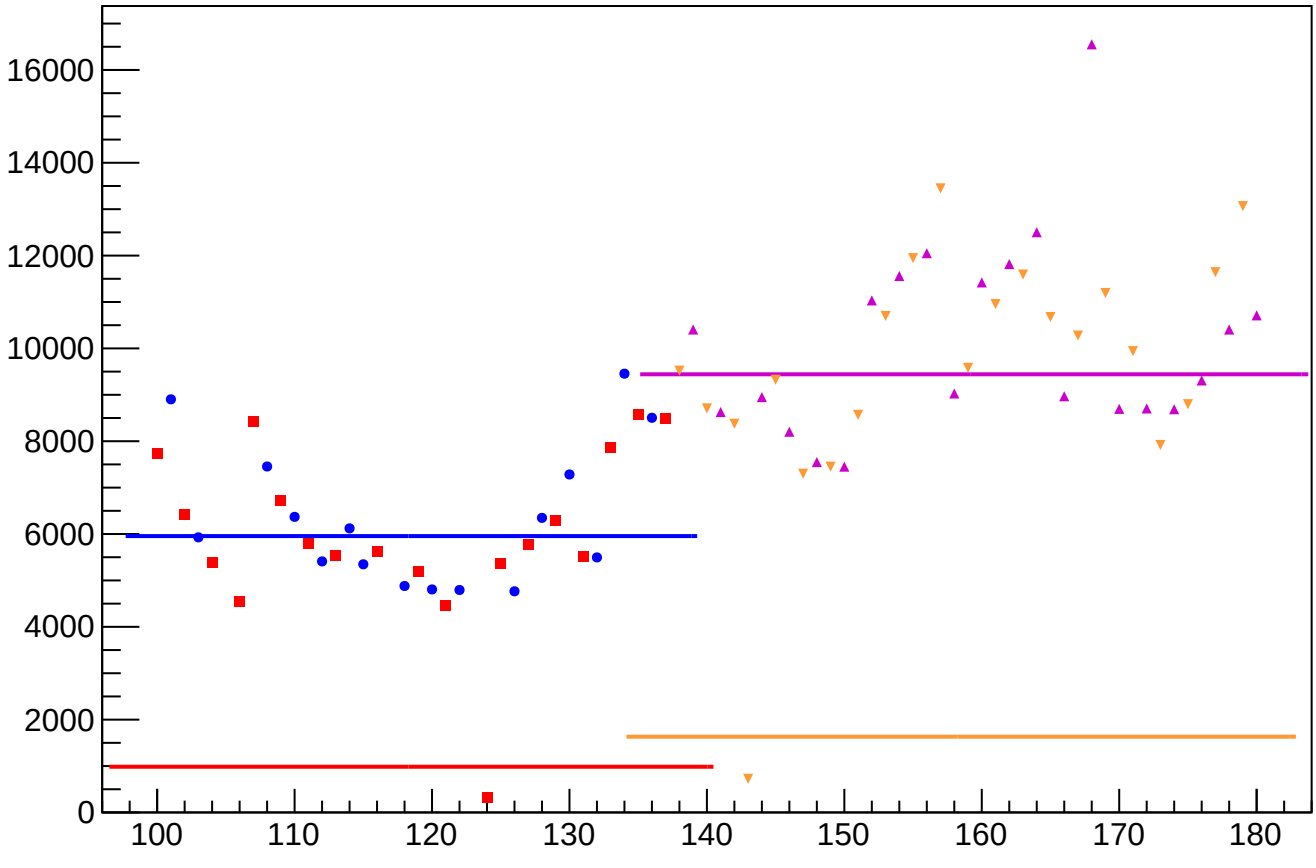
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1071.287+/-764.183 χ²/NDF:29.6/21
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 588.180+/-2317.495 χ²/NDF:12.2/20
Left: -908.545+/-725.745 χ²/NDF: 42.3/42
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -239.505+/-1623.912 χ²/NDF:27.8/36
Out: -274.249+/-541.685 χ²/NDF:49.9/40
All: -270.770+/-513.851 χ²/NDF: 77.7/77



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9442.199+/-1.639 χ^2/NDF:1065989.0/20

Left: 2398.540+/-0.513 χ^2/NDF: 46951942.2/42

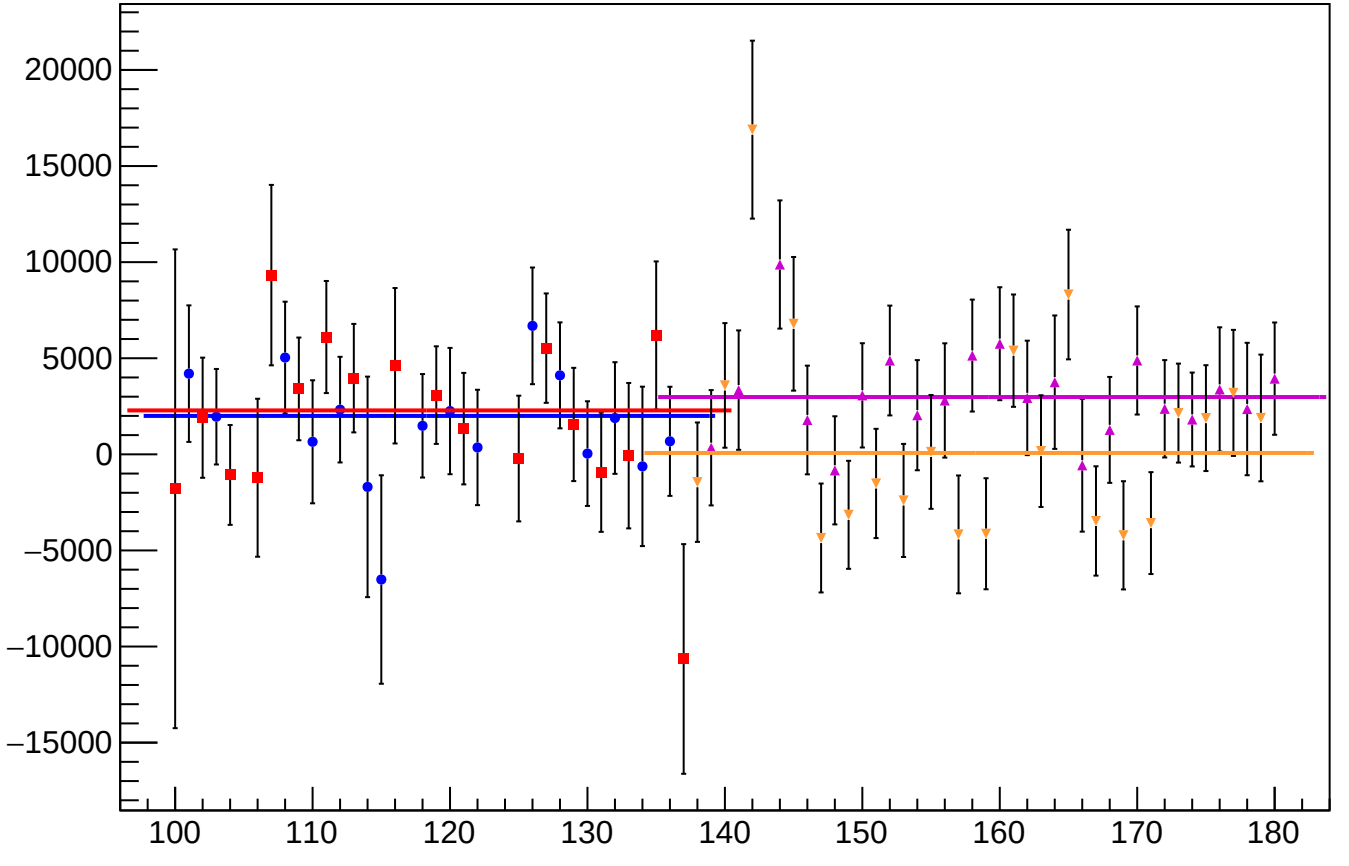
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7667.564+/-1.148 χ^2/NDF:4059217.0/36

Out: 1310.448+/-0.383 χ^2/NDF:37529437.7/40

All: 1946.965+/-0.363 χ^2/NDF: 69169429.7/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 71.966+/-653.438 χ^2/NDF:44.5/20

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2981.770+/-640.002 χ^2/NDF:11.5/20

Left: 1557.091+/-457.226 χ^2/NDF: 66.1/41

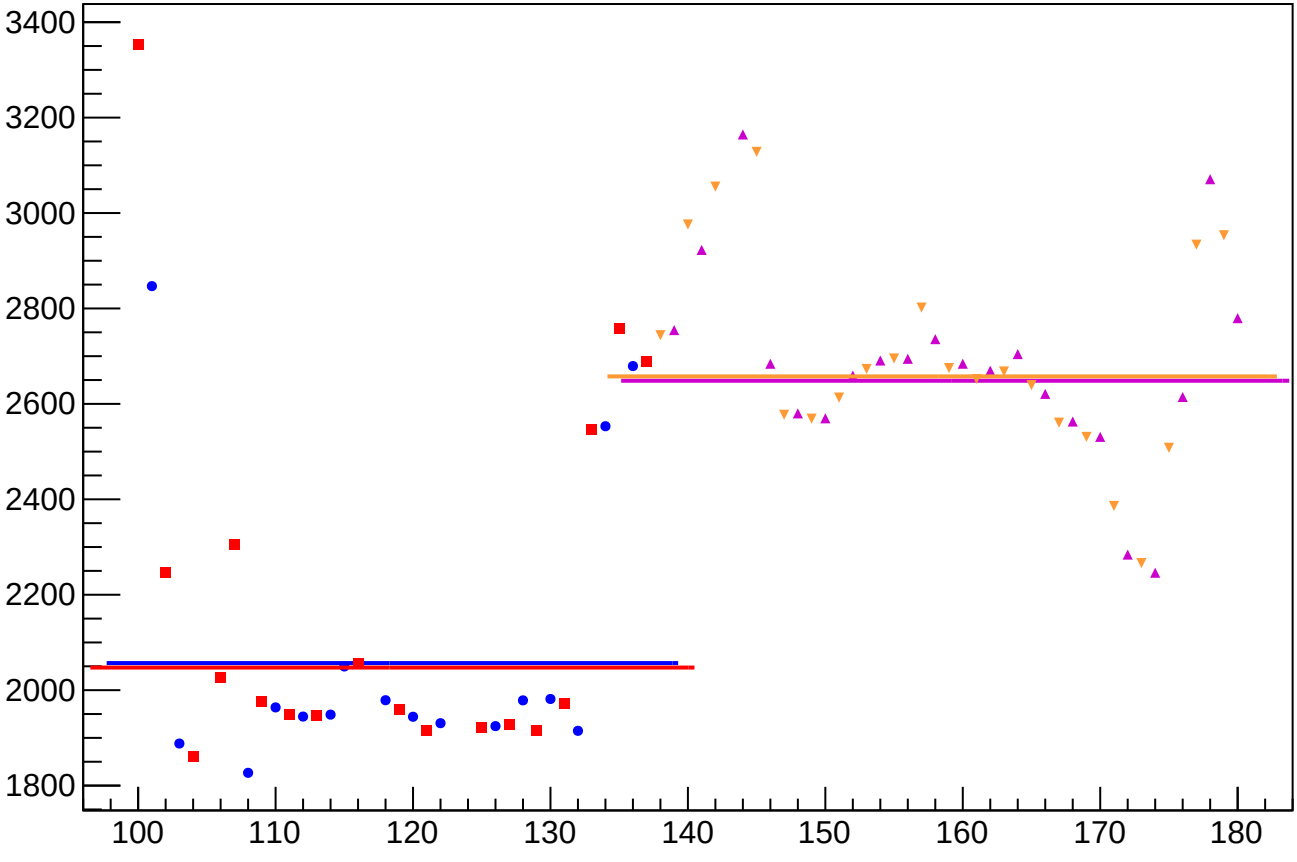
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2582.492+/-493.106 χ^2/NDF:21.4/36

Out: 997.031+/-498.570 χ^2/NDF:66.0/38

All: 1798.497+/-350.595 χ^2/NDF: 92.5/75

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.627+/-0.462 χ^2/NDF:191023.2/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2648.492+/-0.453 χ^2/NDF:208336.1/20

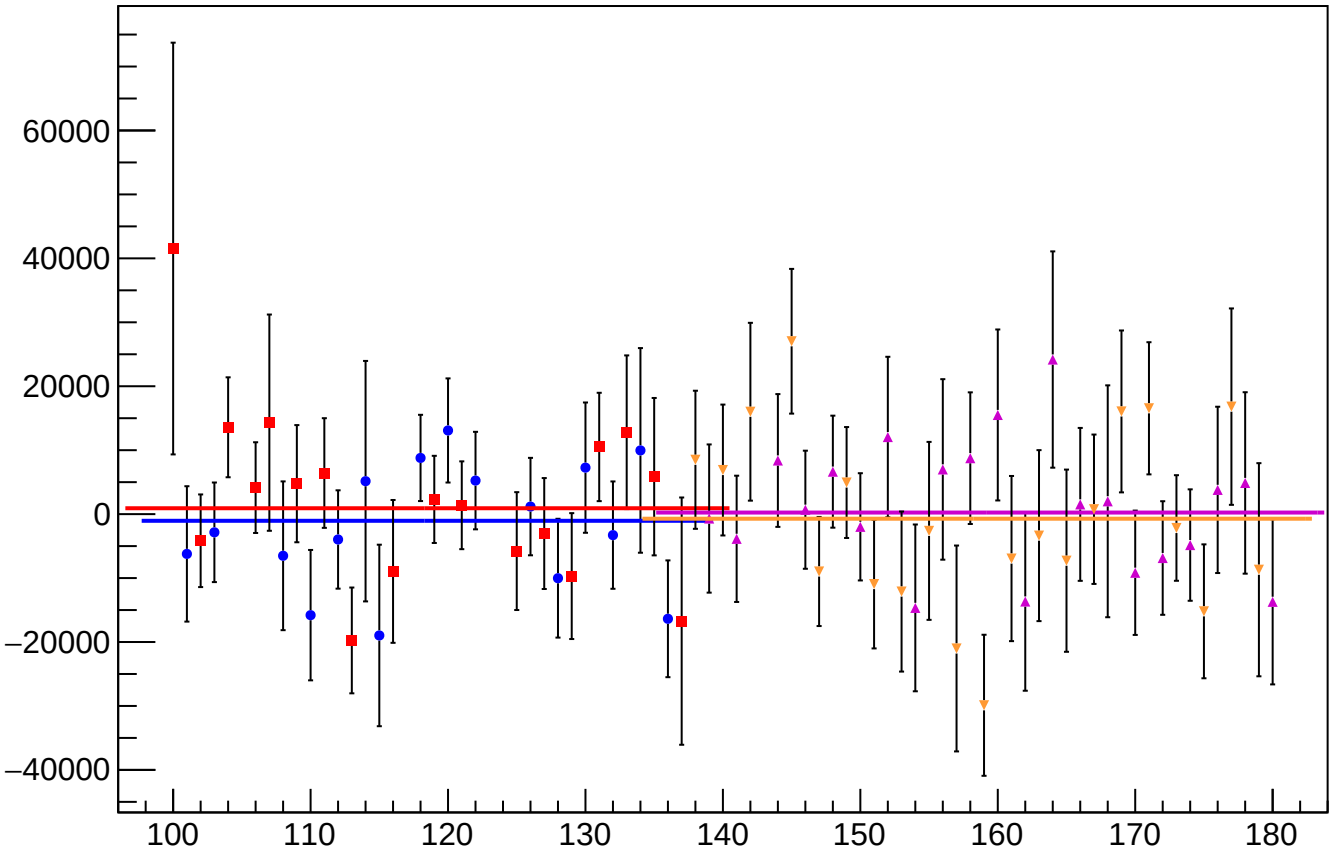
Left: 2652.965+/-0.323 χ^2/NDF: 399558.8/41

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2408.046+/-0.349 χ^2/NDF:1173468.4/36

Out: 2402.203+/-0.352 χ^2/NDF:1117633.9/38

All: 2405.155+/-0.248 χ^2/NDF: 2291241.2/75



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -716.998+/-2479.027 χ^2/NDF:29.1/20

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 246.547+/-2423.909 χ^2/NDF:12.1/20

Left: -224.395+/-1733.121 χ^2/NDF: 41.3/41

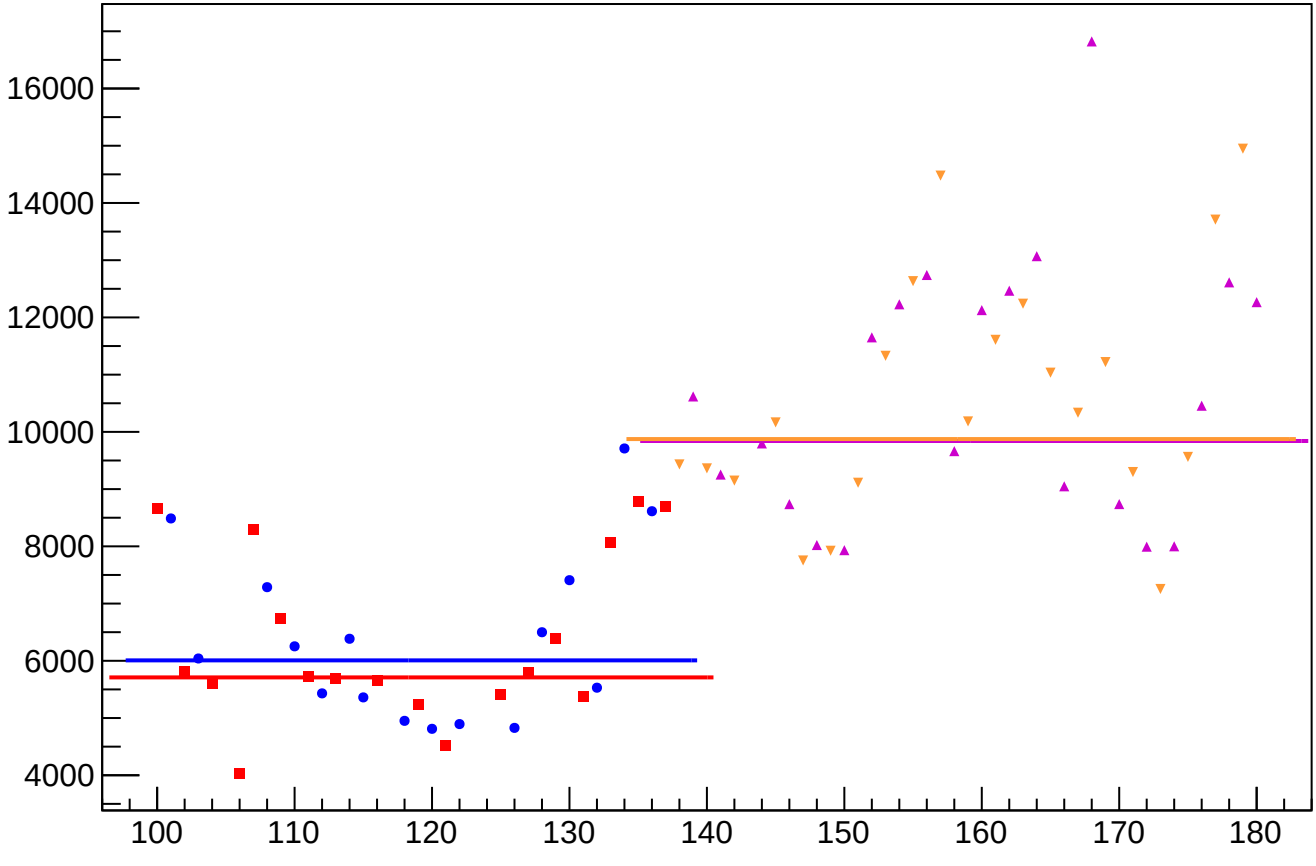
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -433.282+/-1666.369 χ^2/NDF:27.6/36

Out: 216.746+/-1624.628 χ^2/NDF:47.7/38

All: -100.025+/-1163.262 χ^2/NDF: 75.3/75

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9874.461+/-1.753 χ^2/NDF:1179304.6/20

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9840.739+/-1.714 χ^2/NDF:1288394.5/20

Left: 9857.221+/-1.226 χ^2/NDF: 2467888.3/41

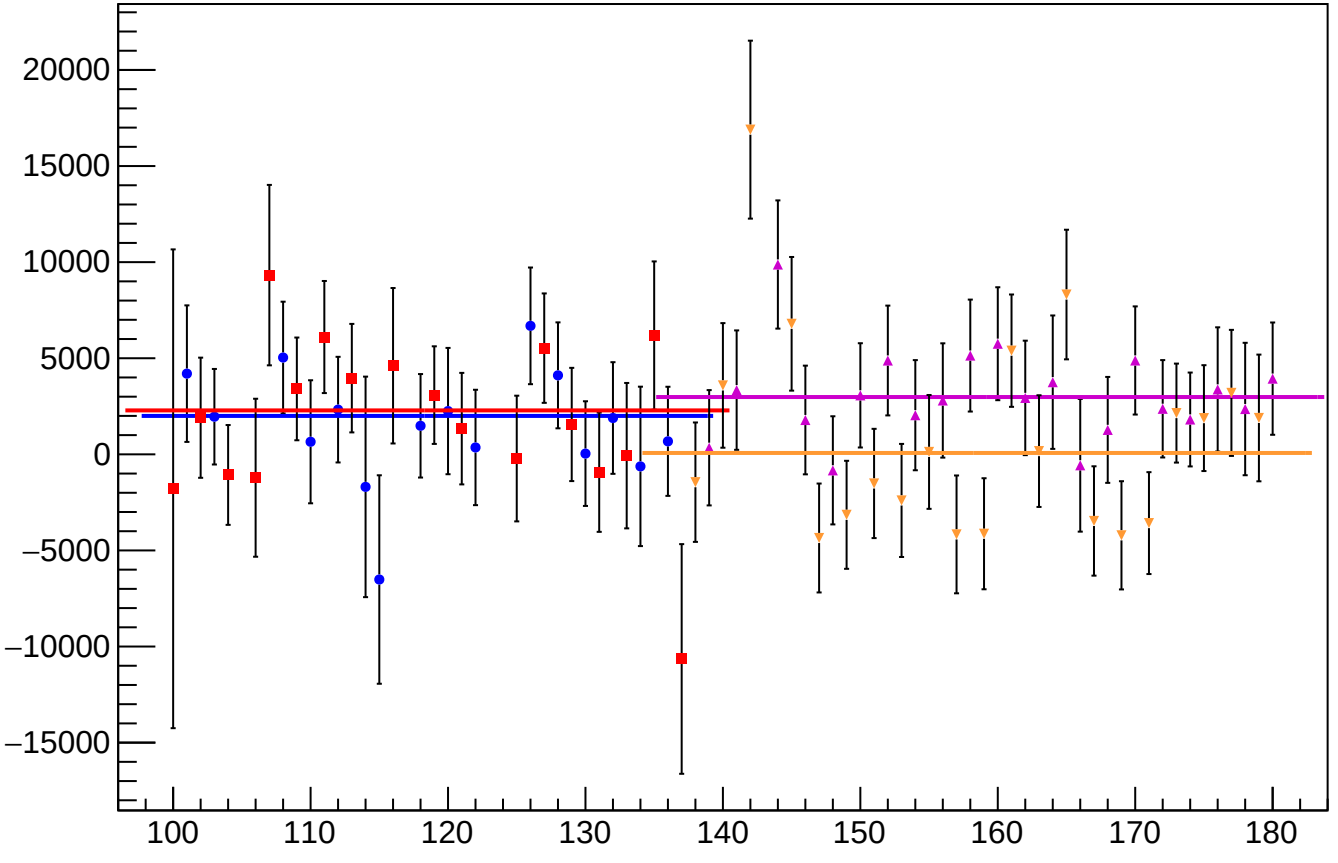
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 7819.116+/-1.178 χ^2/NDF:4580375.1/36

Out: 7498.506+/-1.149 χ^2/NDF:4935370.3/38

All: 7654.745+/-0.823 χ^2/NDF: 9553702.3/75

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 71.958+/-653.438 χ^2/NDF:44.5/20

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2981.769+/-640.003 χ^2/NDF:11.5/20

Left: 1557.085+/-457.226 χ^2/NDF: 66.1/41

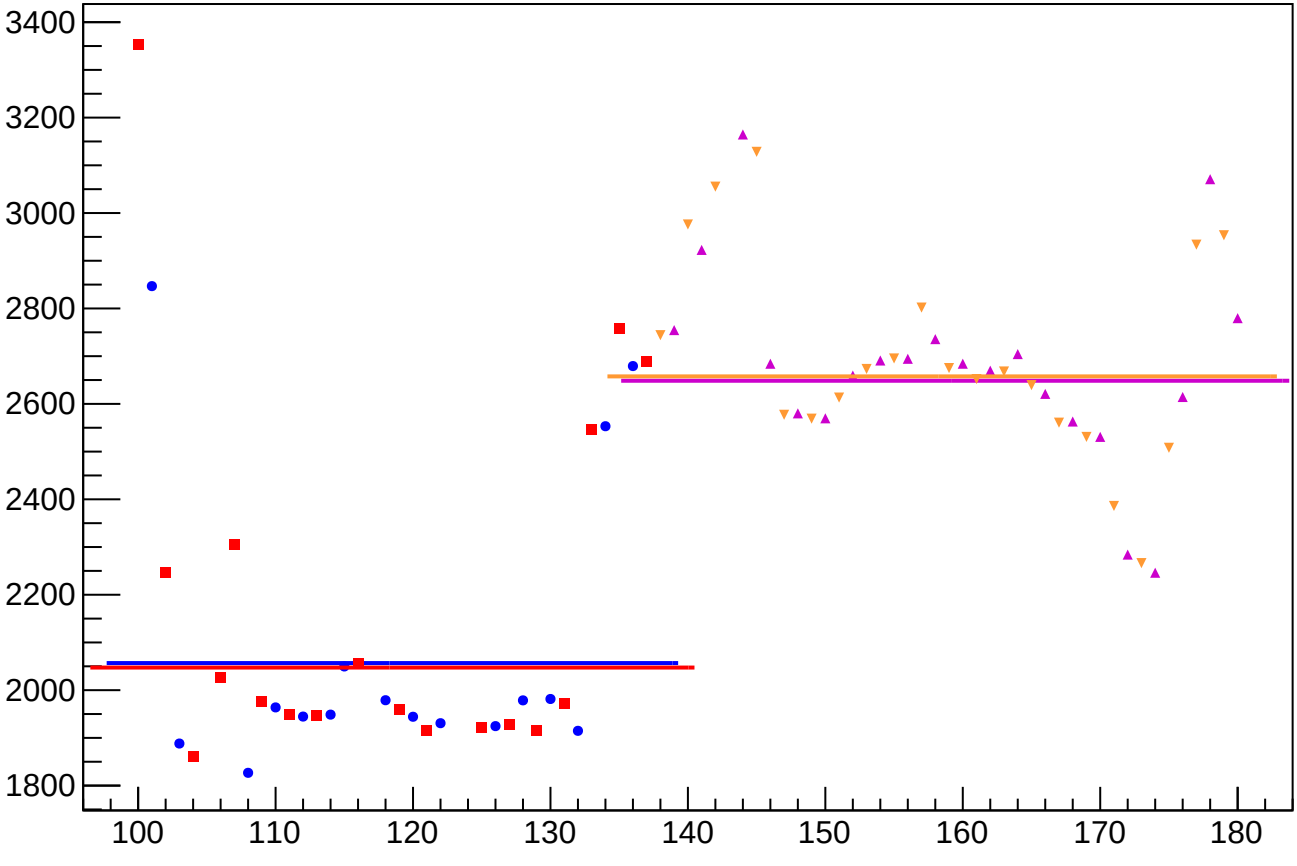
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2582.493+/-493.107 χ^2/NDF:21.4/36

Out: 997.028+/-498.570 χ^2/NDF:66.0/38

All: 1798.496+/-350.595 χ^2/NDF: 92.5/75

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.629+/-0.462 χ^2/NDF:191034.0/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2648.494+/-0.453 χ^2/NDF:208345.9/20

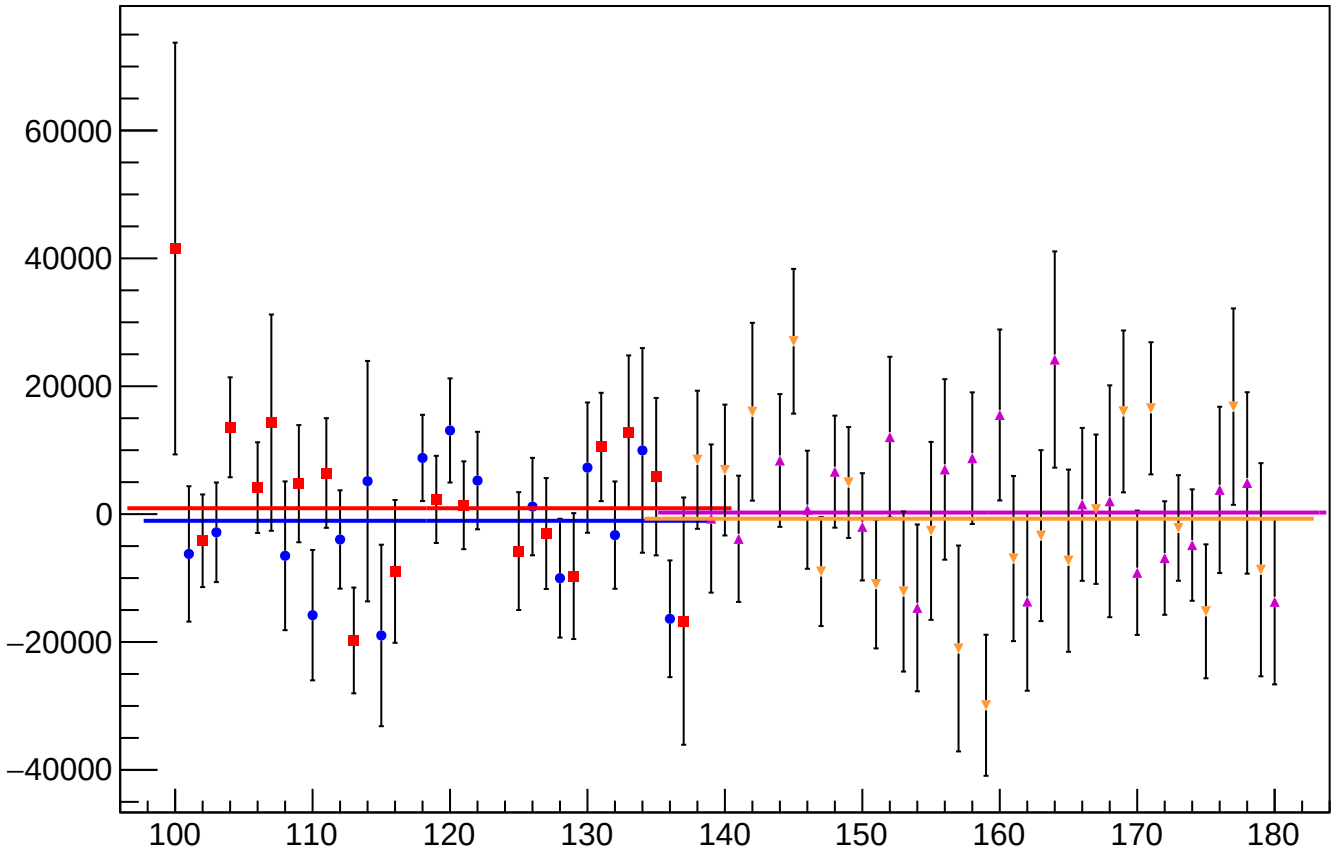
Left: 2652.967+/-0.323 χ^2/NDF: 399579.3/41

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2408.047+/-0.349 χ^2/NDF:1173482.1/36

Out: 2402.204+/-0.352 χ^2/NDF:1117649.3/38

All: 2405.156+/-0.248 χ^2/NDF: 2291270.5/75



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -717.006+/-2479.032 χ^2/NDF:29.1/20

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 246.548+/-2423.913 χ^2/NDF:12.1/20

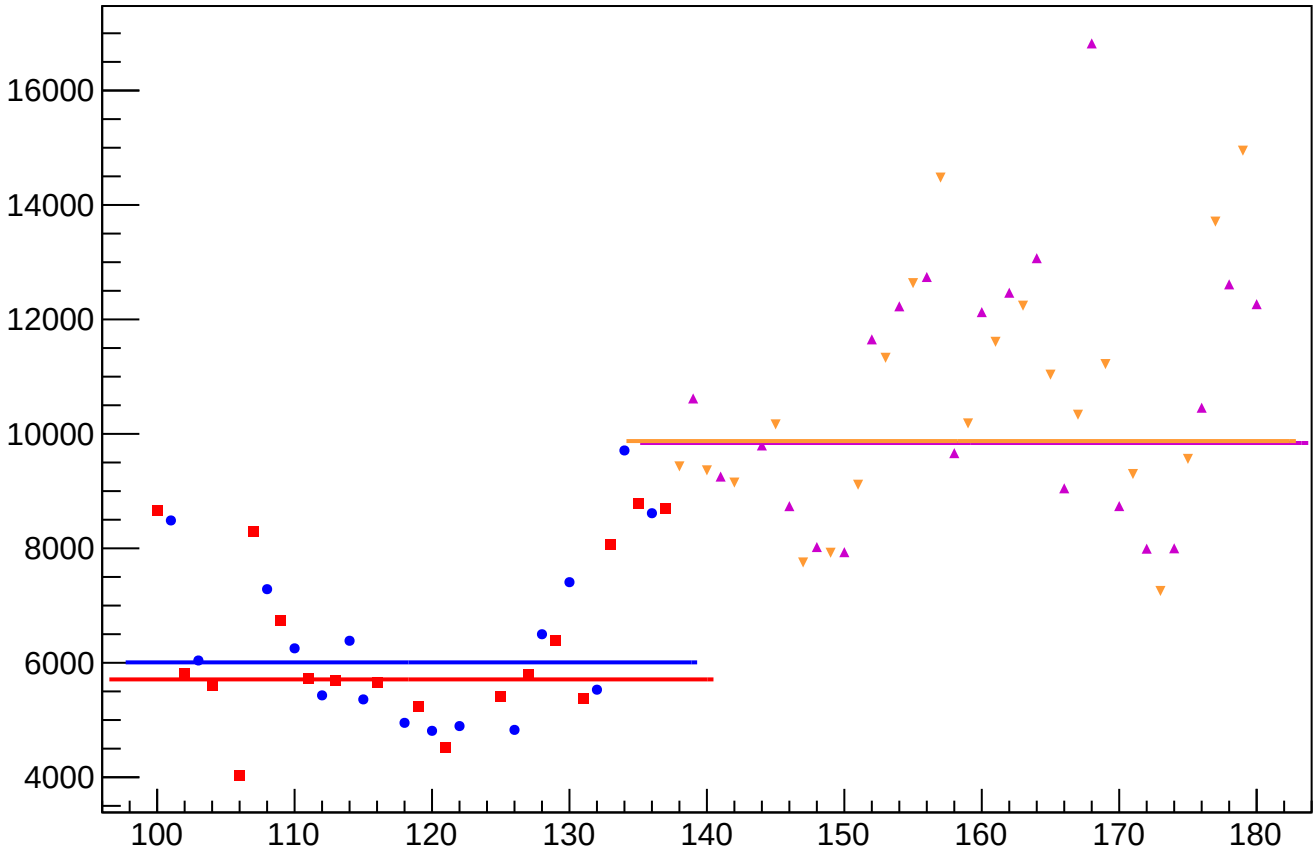
Left: -224.398+/-1733.124 χ^2/NDF: 41.3/41

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -433.278+/-1666.368 χ^2/NDF:27.6/36

Out: 216.749+/-1624.626 χ^2/NDF:47.7/38

All: -100.021+/-1163.261 χ^2/NDF: 75.3/75



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9874.479+/-1.753 χ^2/NDF:1179305.0/20

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9840.755+/-1.714 χ^2/NDF:1288395.8/20

Left: 9857.238+/-1.226 χ^2/NDF: 2467890.0/41

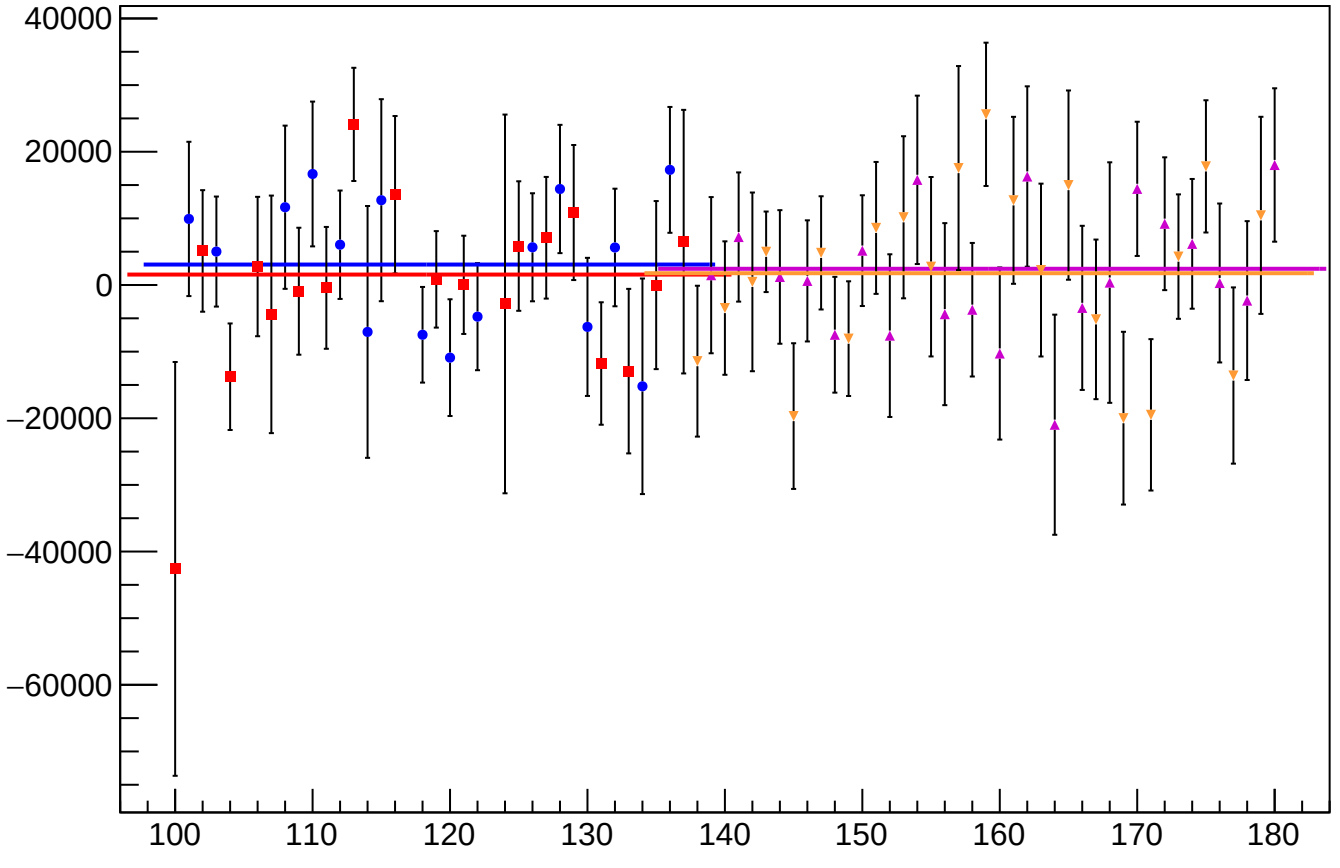
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7819.104+/-1.178 χ^2/NDF:4580436.8/36

Out: 7498.494+/-1.149 χ^2/NDF:4935429.5/38

All: 7654.733+/-0.823 χ^2/NDF: 9553823.3/75

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1768.837+/-2284.112 χ^2/NDF:26.8/21

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 2434.424+/-2405.219 χ^2/NDF:12.4/20

Left: 2084.453+/-1656.271 χ^2/NDF: 39.3/42

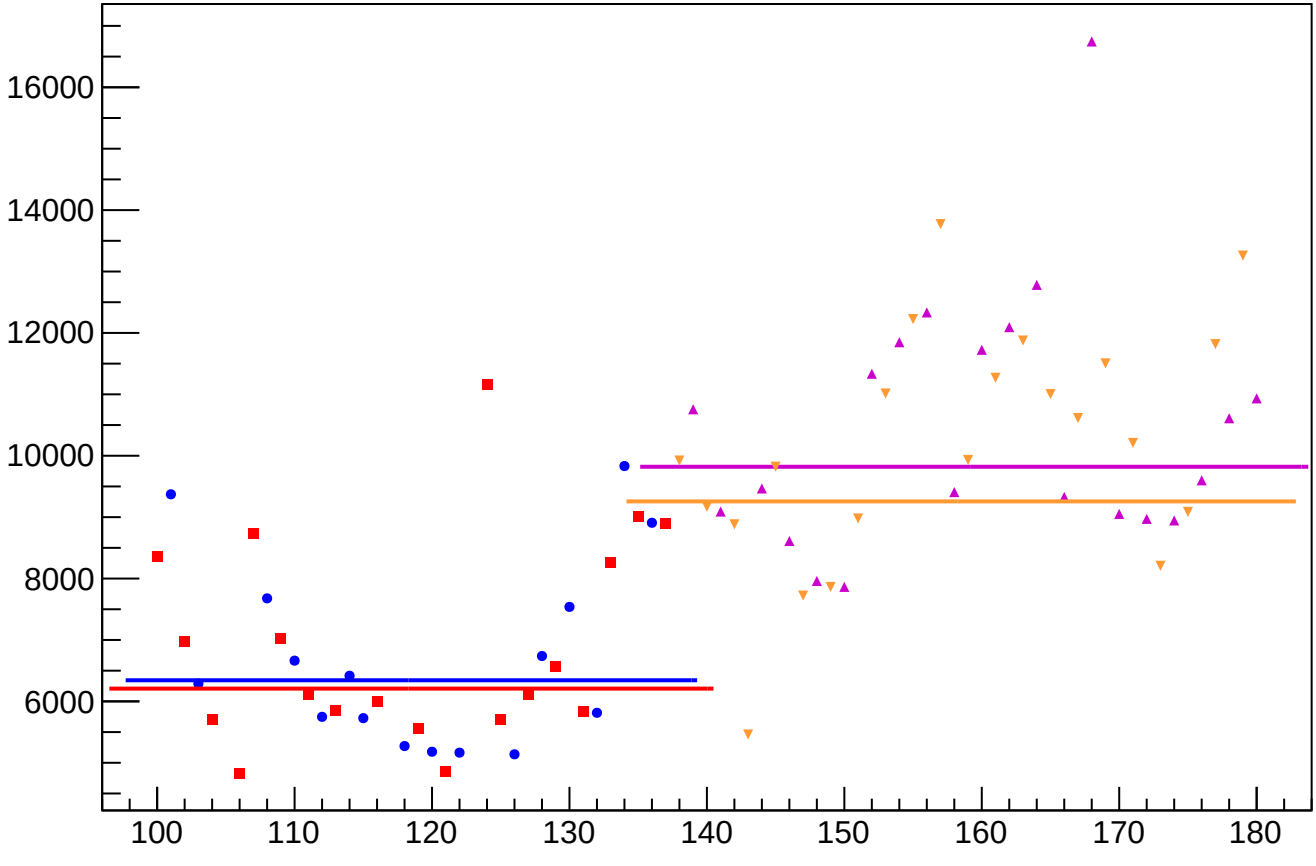
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2750.316+/-1706.201 χ^2/NDF:27.3/36

Out: 1670.223+/-1633.107 χ^2/NDF:46.0/40

All: 2186.639+/-1179.776 χ^2/NDF: 73.5/77

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9256.383+/-1.615 χ^2/NDF:1753649.2/21

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9820.589+/-1.701 χ^2/NDF:950086.6/20

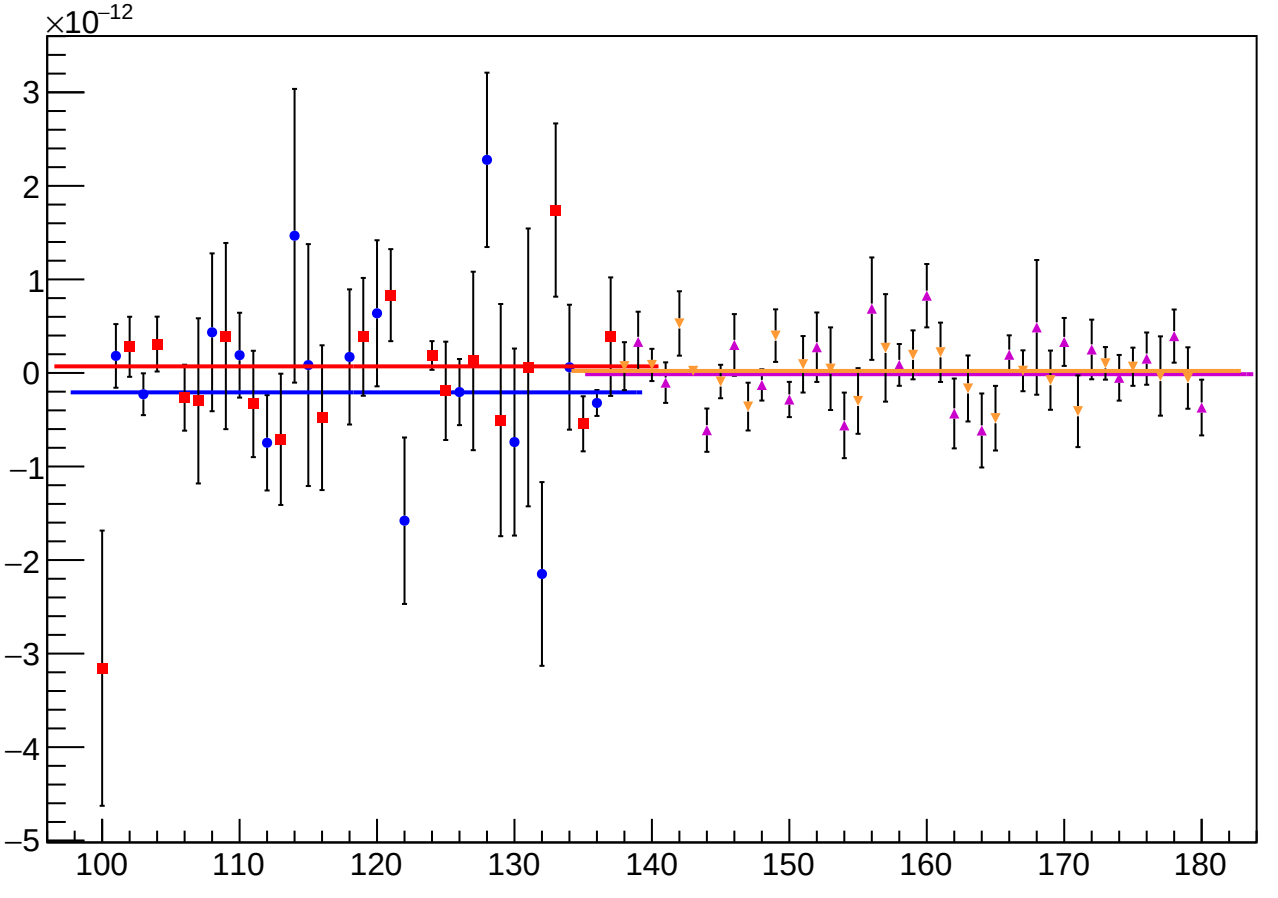
Left: 9523.924+/-1.171 χ^2/NDF: 2761601.8/42

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8093.358+/-1.206 χ^2/NDF:3647434.5/36

Out: 7766.392+/-1.155 χ^2/NDF:3966633.0/40

All: 7922.721+/-0.834 χ^2/NDF: 7652398.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:33.9/20

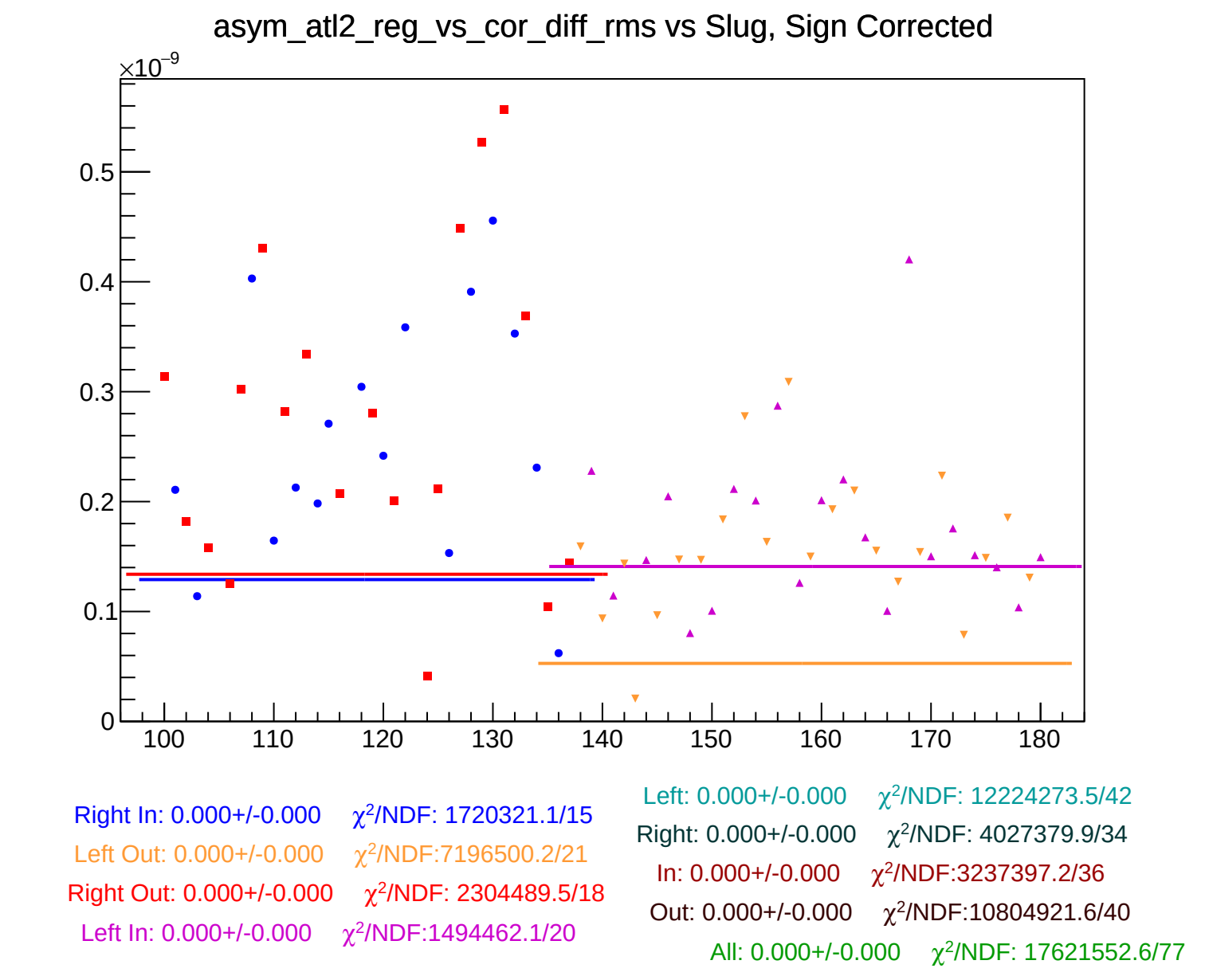
Left: 0.000+/-0.000 χ^2/NDF: 47.0/42

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:57.8/36

Out: 0.000+/-0.000 χ^2/NDF:33.9/40

All: 0.000+/-0.000 χ^2/NDF: 94.3/77


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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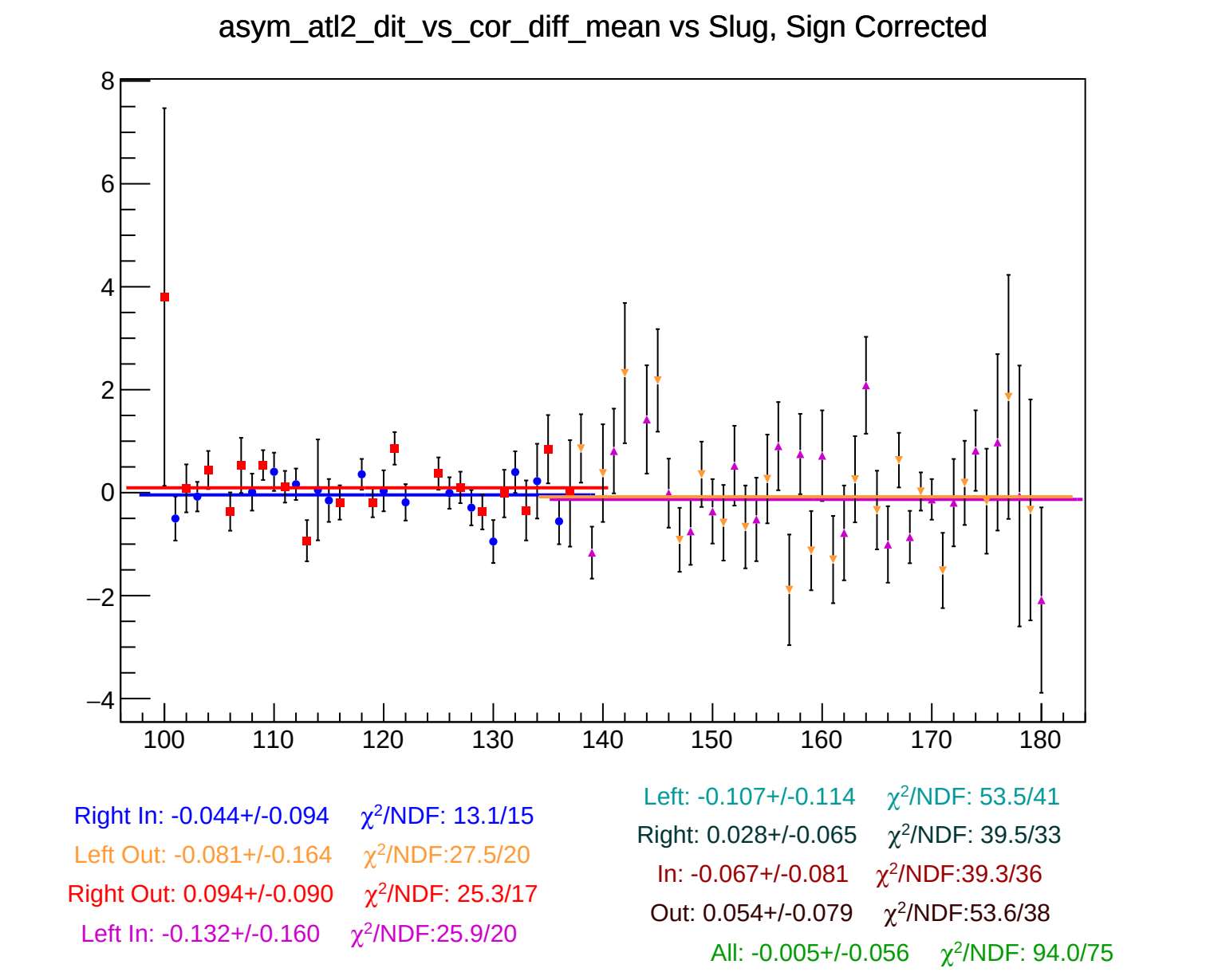
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7196500.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1494462.1/20
Left: 0.000+/-0.000 χ²/NDF: 12224273.5/42
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3237397.2/36
Out: 0.000+/-0.000 χ²/NDF:10804921.6/40
All: 0.000+/-0.000 χ²/NDF: 17621552.6/77


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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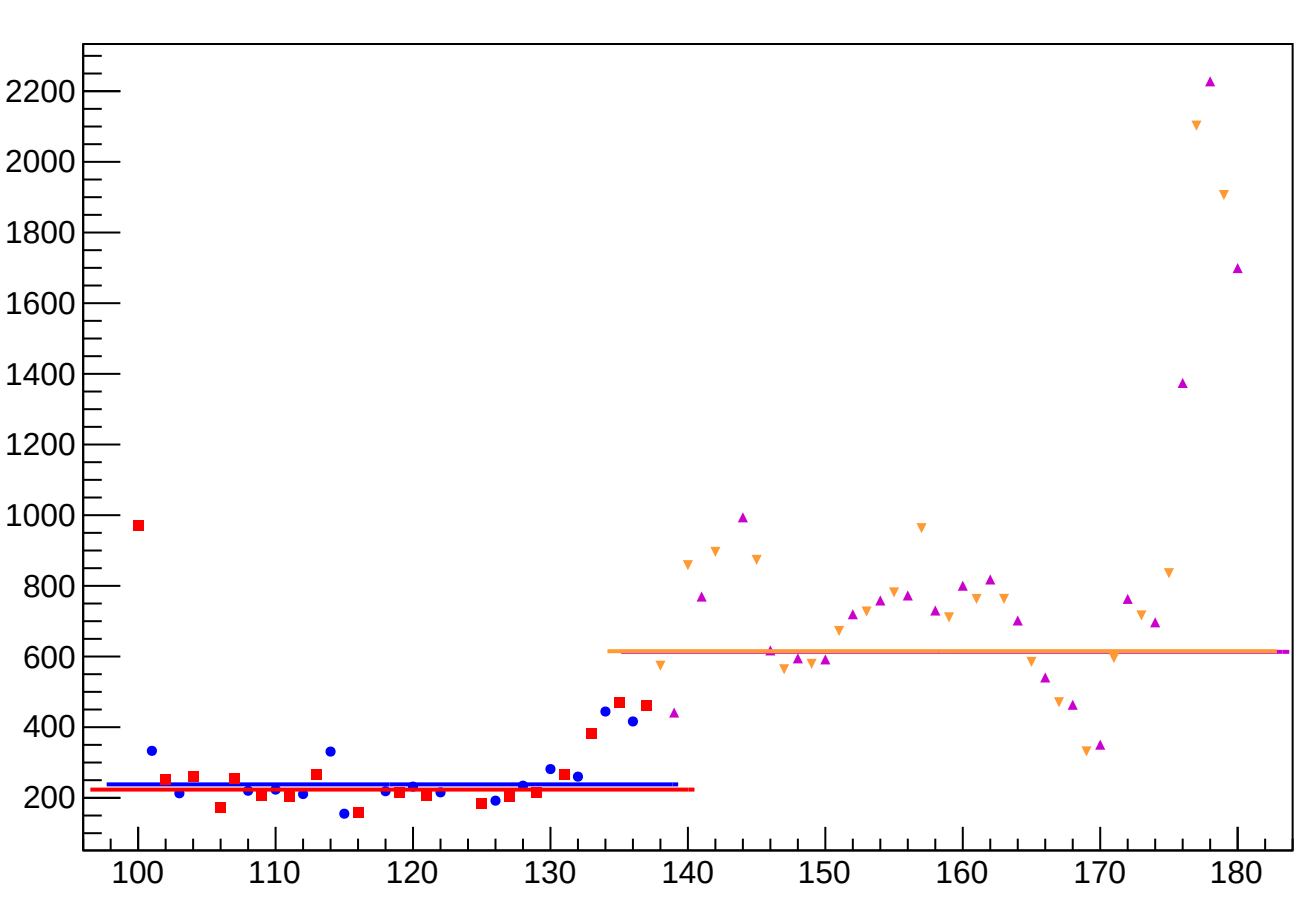
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.081+/-0.164 χ²/NDF:27.5/20
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.132+/-0.160 χ²/NDF:25.9/20
Left: -0.107+/-0.114 χ²/NDF: 53.5/41
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.067+/-0.081 χ²/NDF:39.3/36
Out: 0.054+/-0.079 χ²/NDF:53.6/38
All: -0.005+/-0.056 χ²/NDF: 94.0/75



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

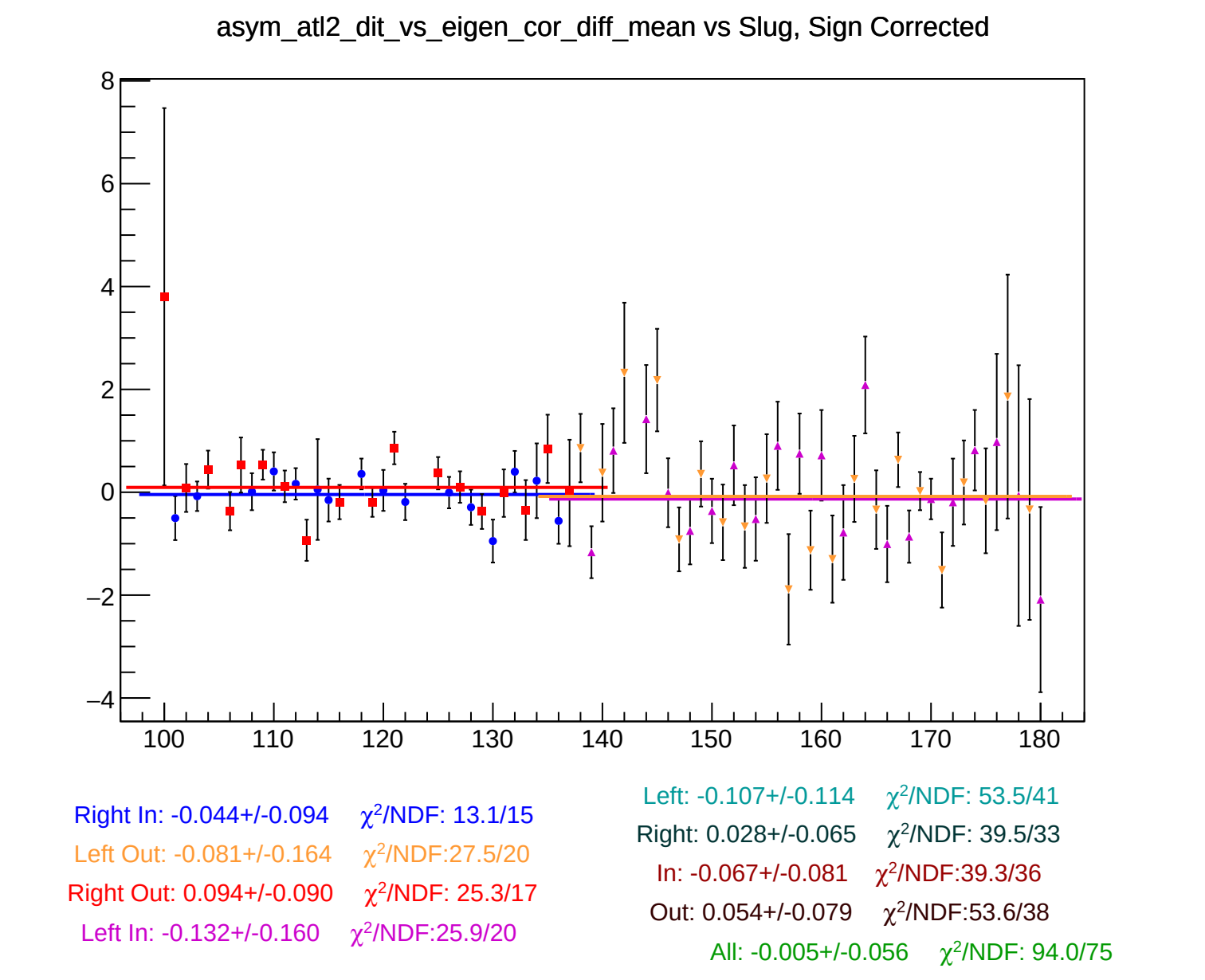
Left: 614.089+/-0.081 χ^2/NDF: 7914179.7/41

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 334.224+/-0.057 χ^2/NDF:13086584.4/36

Out: 314.403+/-0.056 χ^2/NDF:13480738.9/38

All: 324.063+/-0.040 χ^2/NDF: 26628865.6/75


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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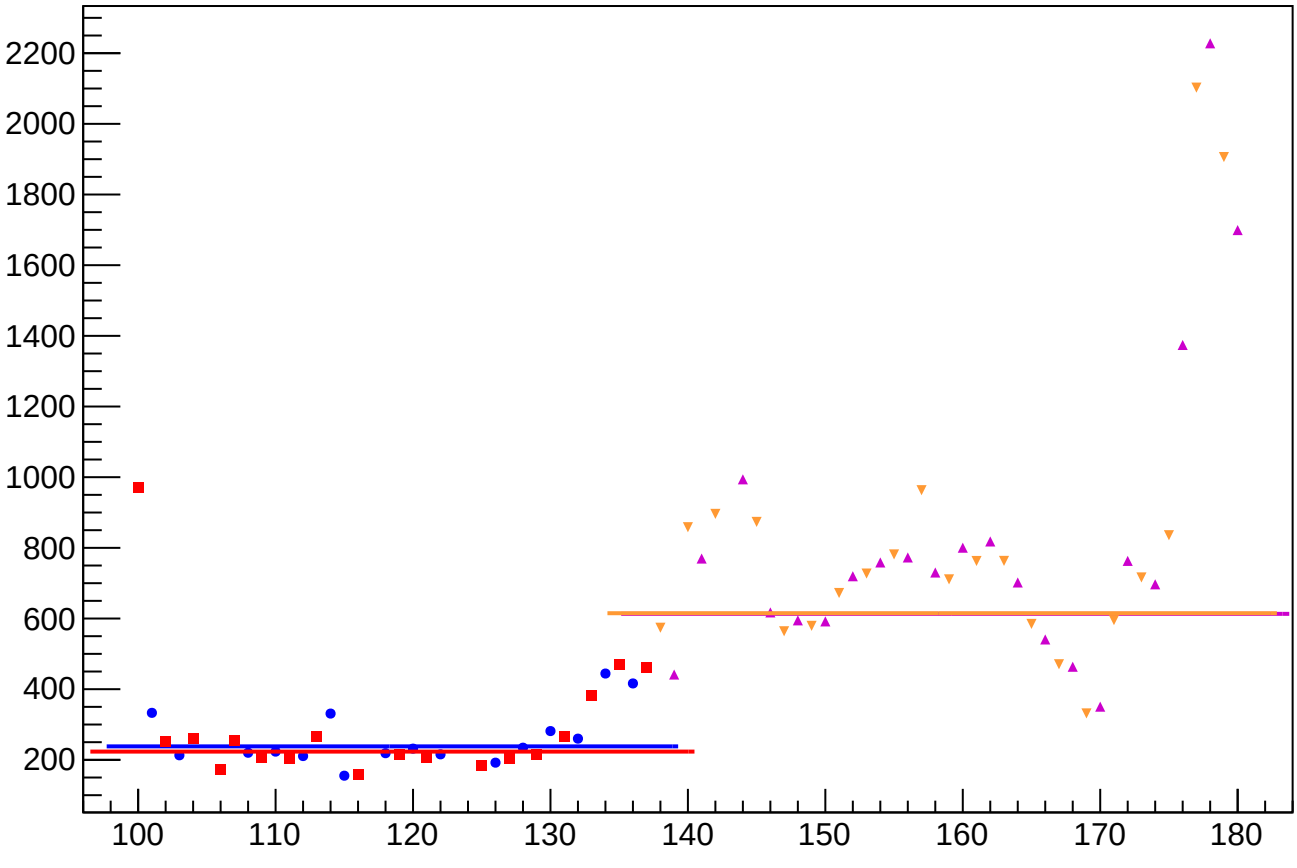
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.081+/-0.164 χ²/NDF:27.5/20
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.132+/-0.160 χ²/NDF:25.9/20
Left: -0.107+/-0.114 χ²/NDF: 53.5/41
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.067+/-0.081 χ²/NDF:39.3/36
Out: 0.054+/-0.079 χ²/NDF:53.6/38
All: -0.005+/-0.056 χ²/NDF: 94.0/75



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 613.214+/-0.113 χ^2/NDF:4089837.0/20

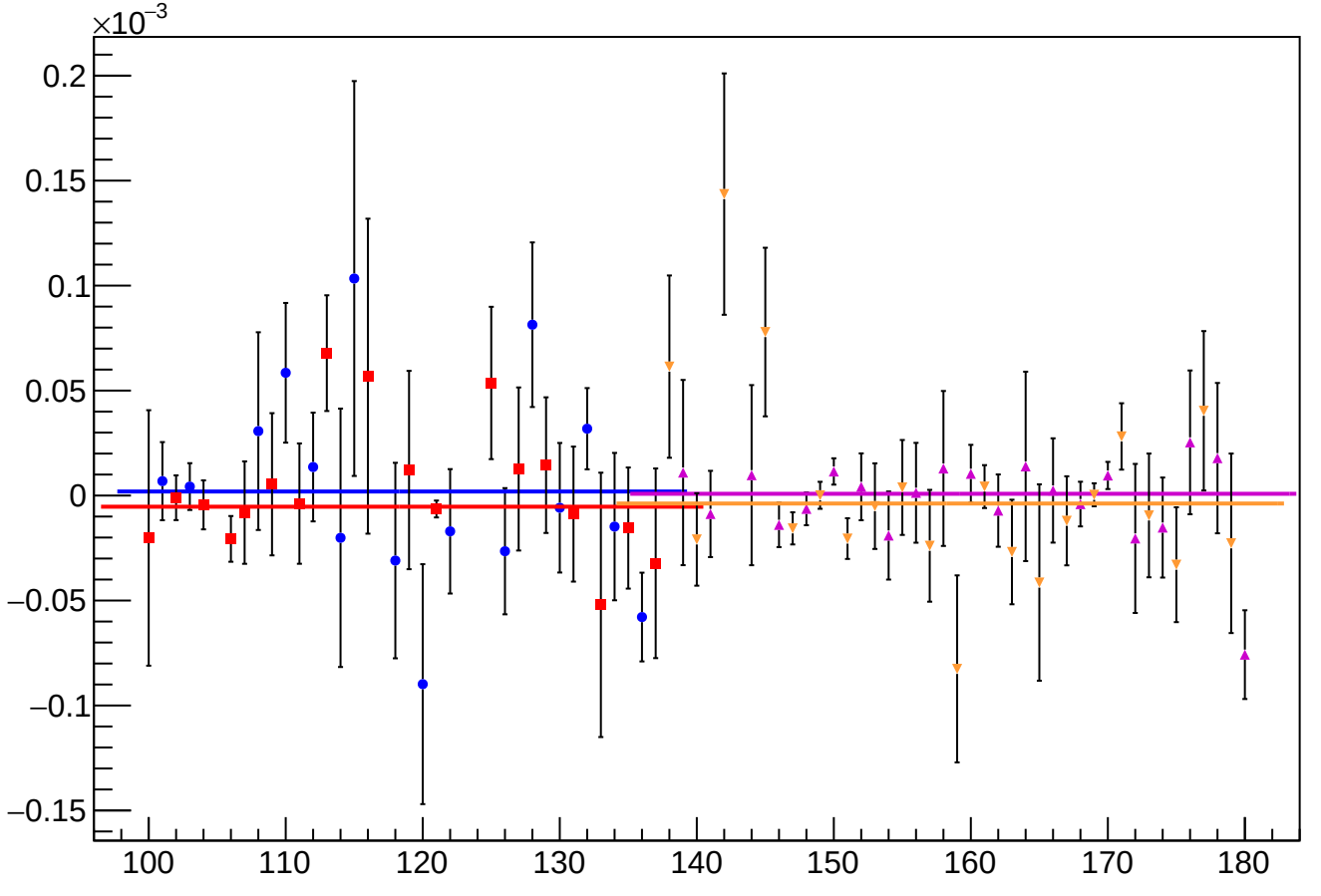
Left: 614.089+/-0.081 χ^2/NDF: 7914179.7/41

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 334.224+/-0.057 χ^2/NDF:13086584.4/36

Out: 314.403+/-0.056 χ^2/NDF:13480738.9/38

All: 324.063+/-0.040 χ^2/NDF: 26628865.6/75



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/20

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

Left In: 0.000+/-0.000 χ^2/NDF:24.5/20

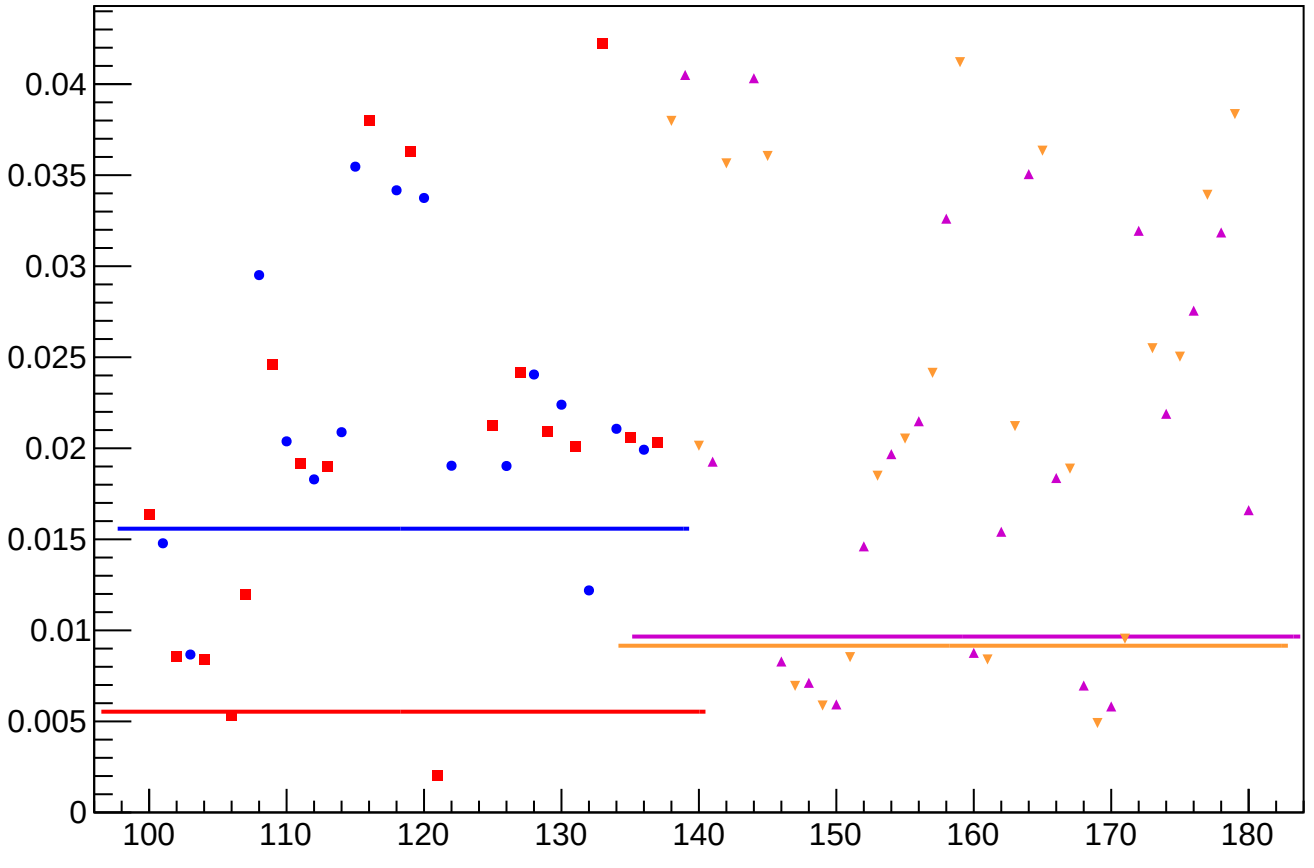
Left: -0.000+/-0.000 χ^2/NDF: 58.6/41

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:48.6/36

Out: -0.000+/-0.000 χ^2/NDF:47.5/38

All: -0.000+/-0.000 χ^2/NDF: 98.6/75



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:11846543.5/20

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:10095890.3/20

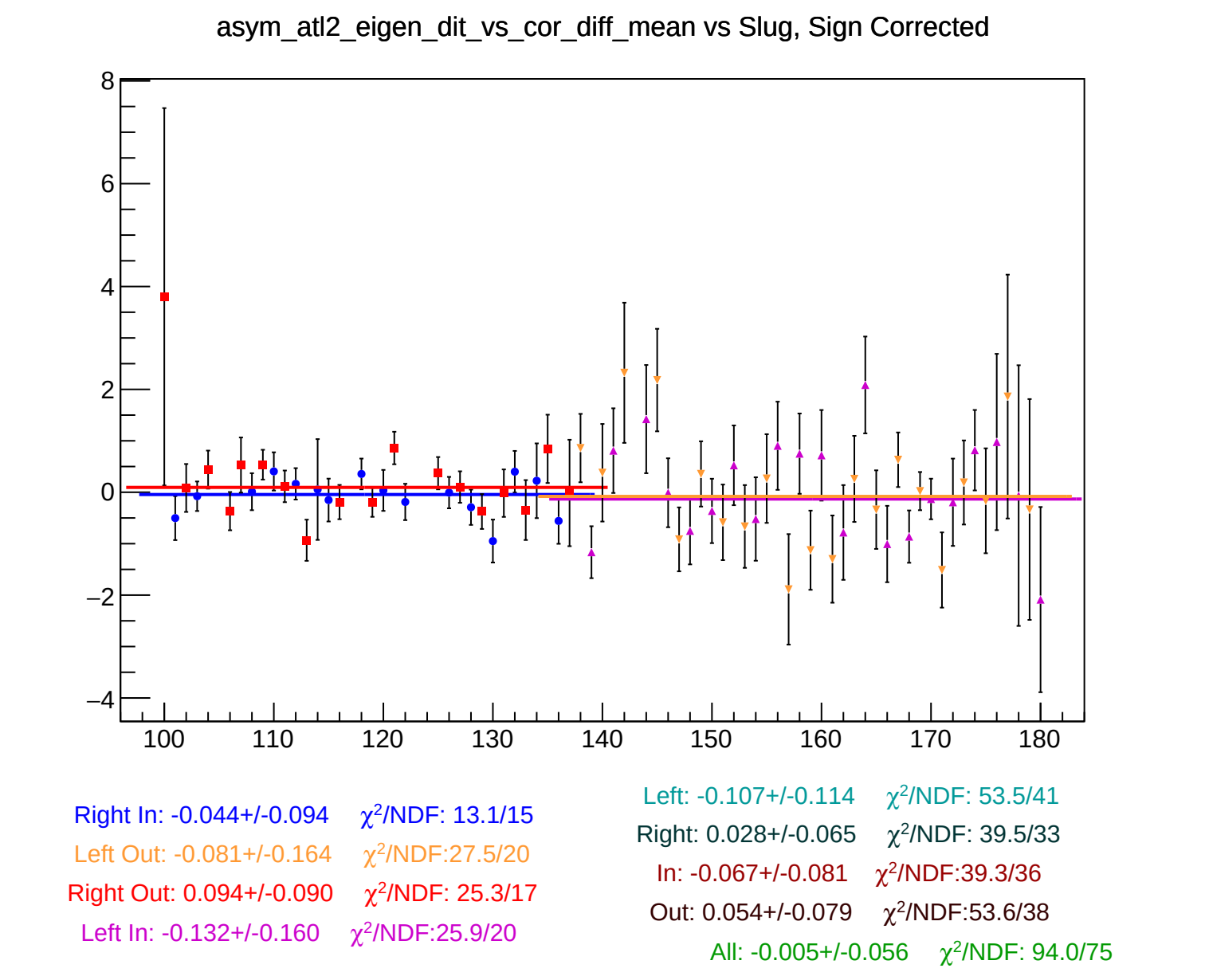
Left: 0.009+/-0.000 χ^2/NDF: 21971524.2/41

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13587741.0/36

Out: 0.008+/-0.000 χ^2/NDF:21197963.2/38

All: 0.009+/-0.000 χ^2/NDF: 36517128.5/75


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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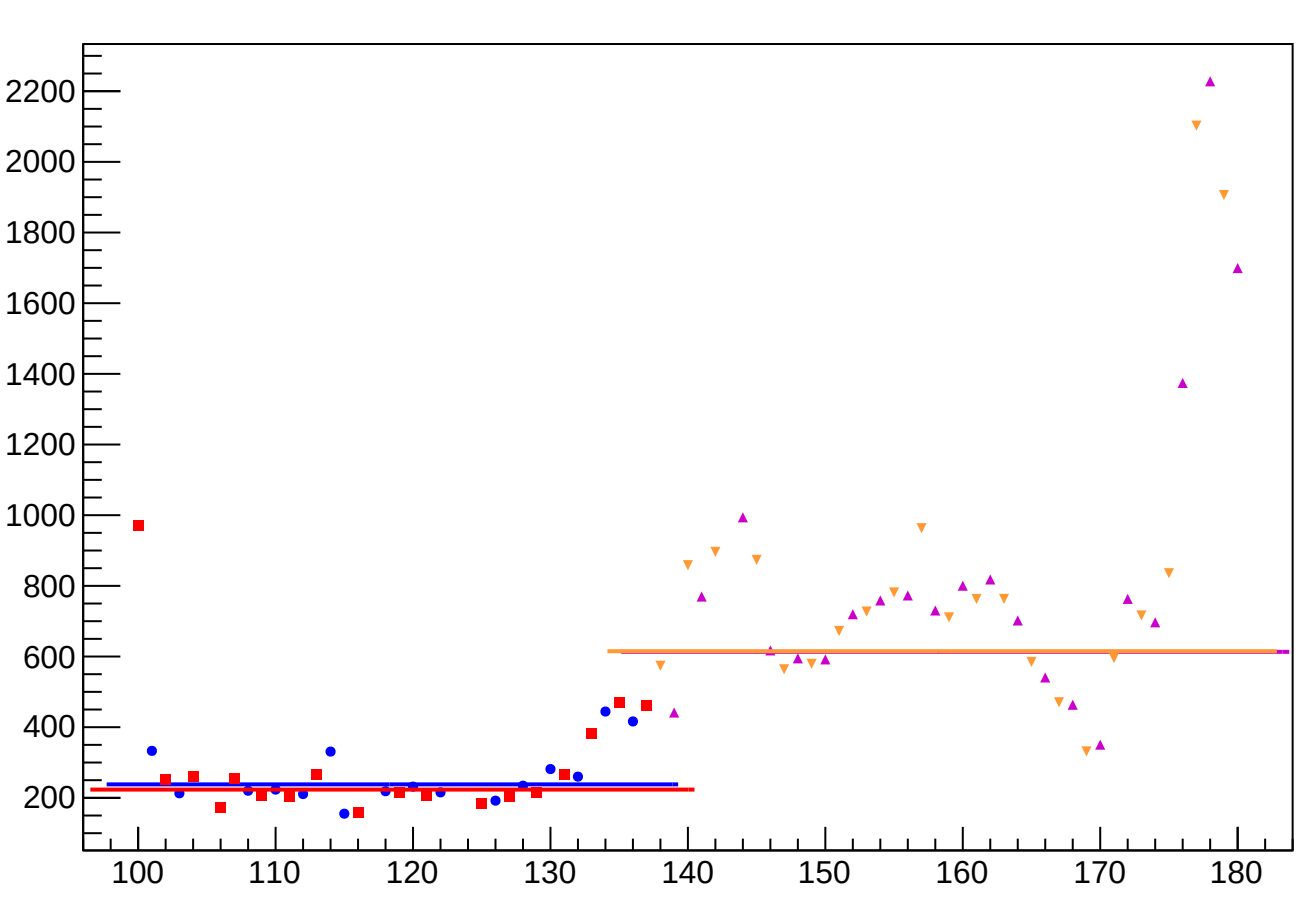
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.081+/-0.164 χ²/NDF:27.5/20
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.132+/-0.160 χ²/NDF:25.9/20
Left: -0.107+/-0.114 χ²/NDF: 53.5/41
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.067+/-0.081 χ²/NDF:39.3/36
Out: 0.054+/-0.079 χ²/NDF:53.6/38
All: -0.005+/-0.056 χ²/NDF: 94.0/75



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 613.220+/-0.113 χ^2/NDF:4089821.5/20

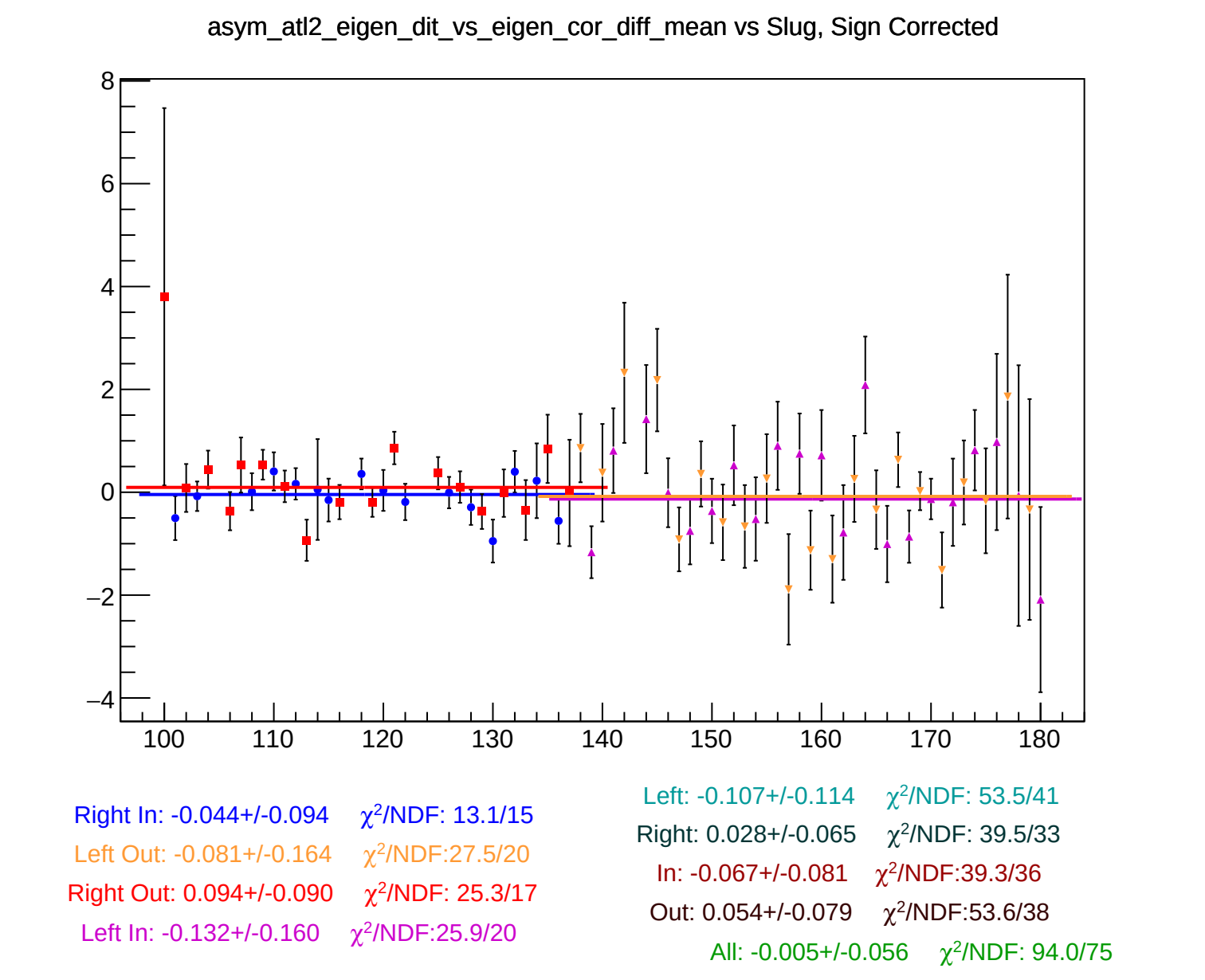
Left: 614.094+/-0.081 χ^2/NDF: 7914227.5/41

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 334.225+/-0.057 χ^2/NDF:13086642.3/36

Out: 314.405+/-0.056 χ^2/NDF:13480729.0/38

All: 324.064+/-0.040 χ^2/NDF: 26628909.2/75


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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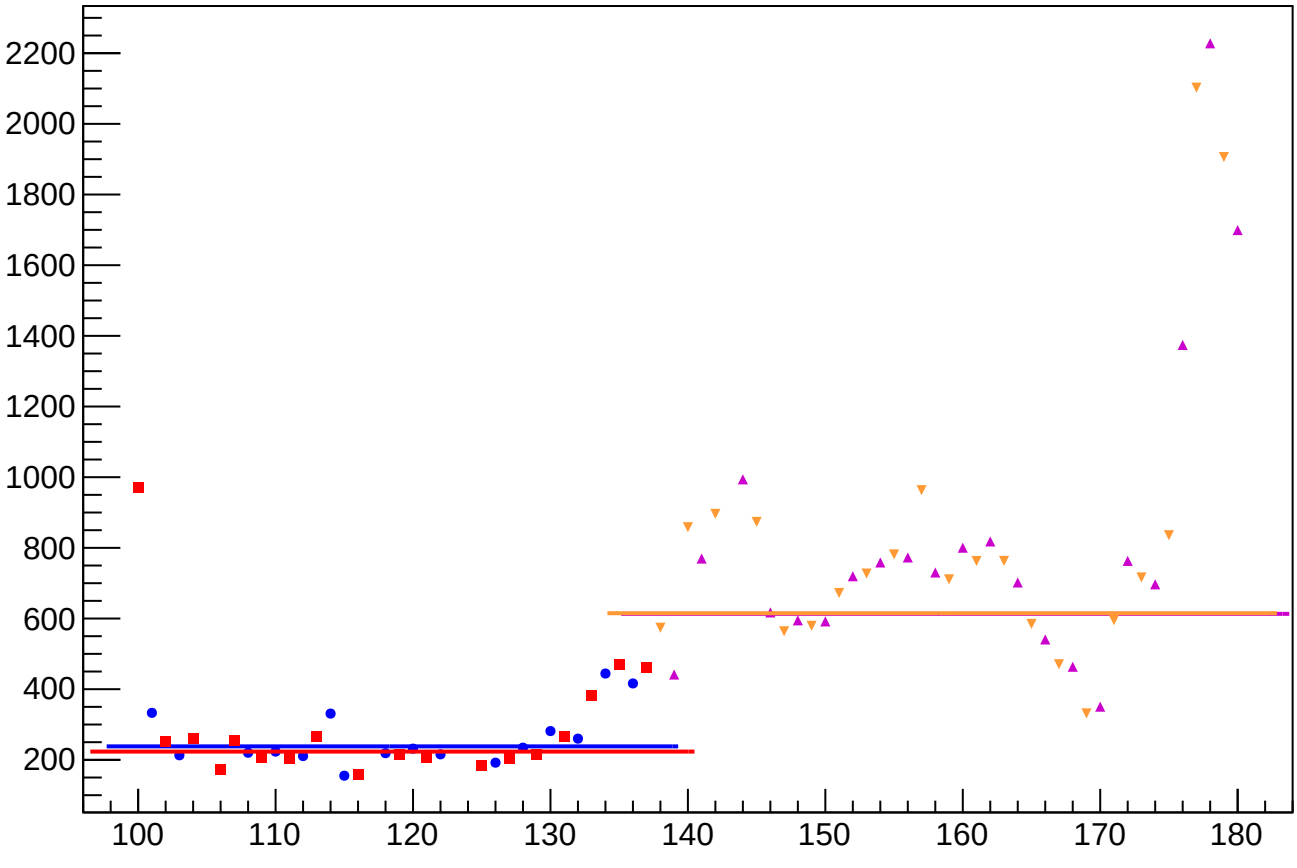
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.081+/-0.164 χ²/NDF:27.5/20
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.132+/-0.160 χ²/NDF:25.9/20
Left: -0.107+/-0.114 χ²/NDF: 53.5/41
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.067+/-0.081 χ²/NDF:39.3/36
Out: 0.054+/-0.079 χ²/NDF:53.6/38
All: -0.005+/-0.056 χ²/NDF: 94.0/75



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 613.220+/-0.113 χ^2/NDF:4089821.5/20

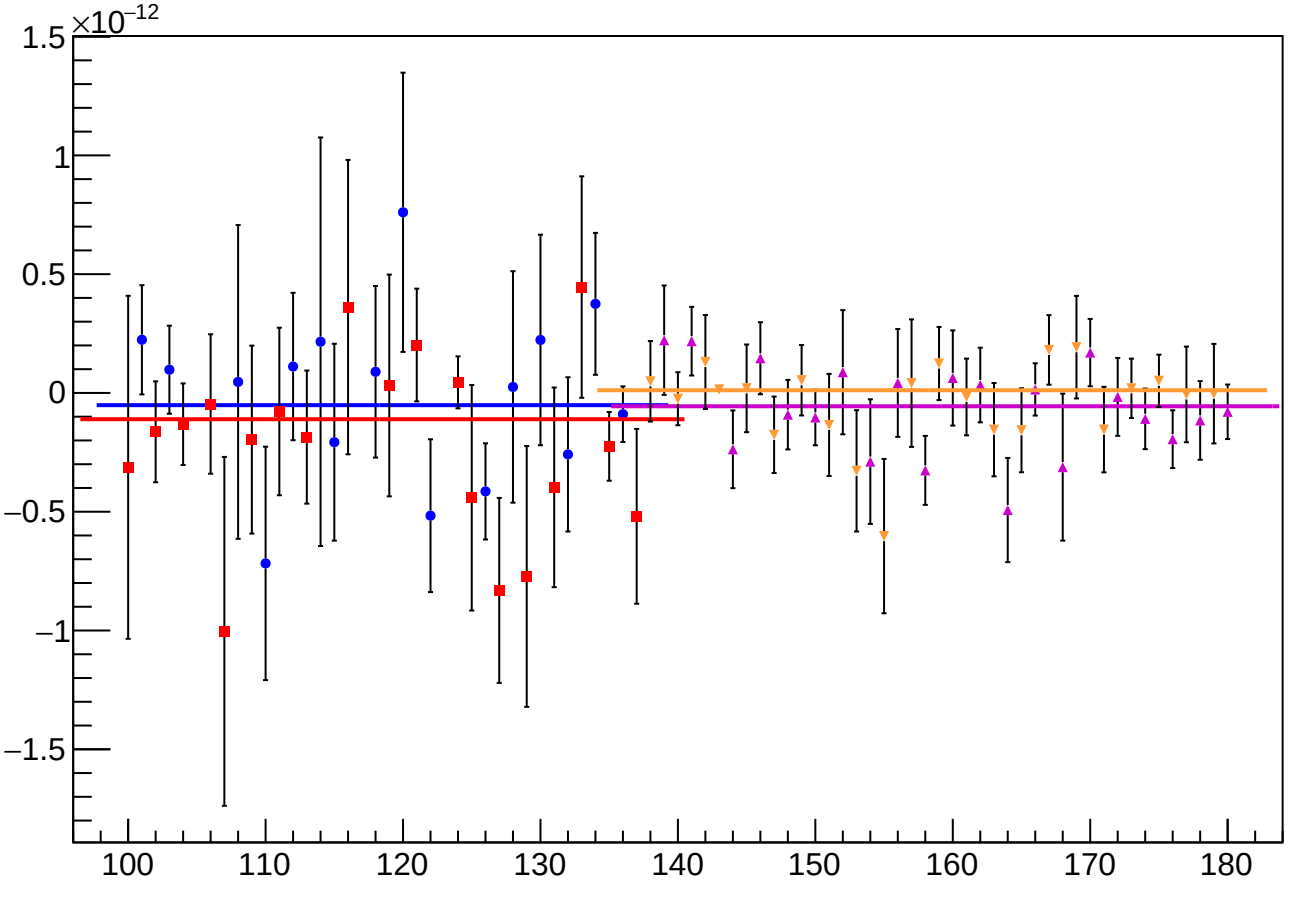
Left: 614.094+/-0.081 χ^2/NDF: 7914227.5/41

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 334.225+/-0.057 χ^2/NDF:13086642.3/36

Out: 314.405+/-0.056 χ^2/NDF:13480729.0/38

All: 324.064+/-0.040 χ^2/NDF: 26628909.2/75



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/20

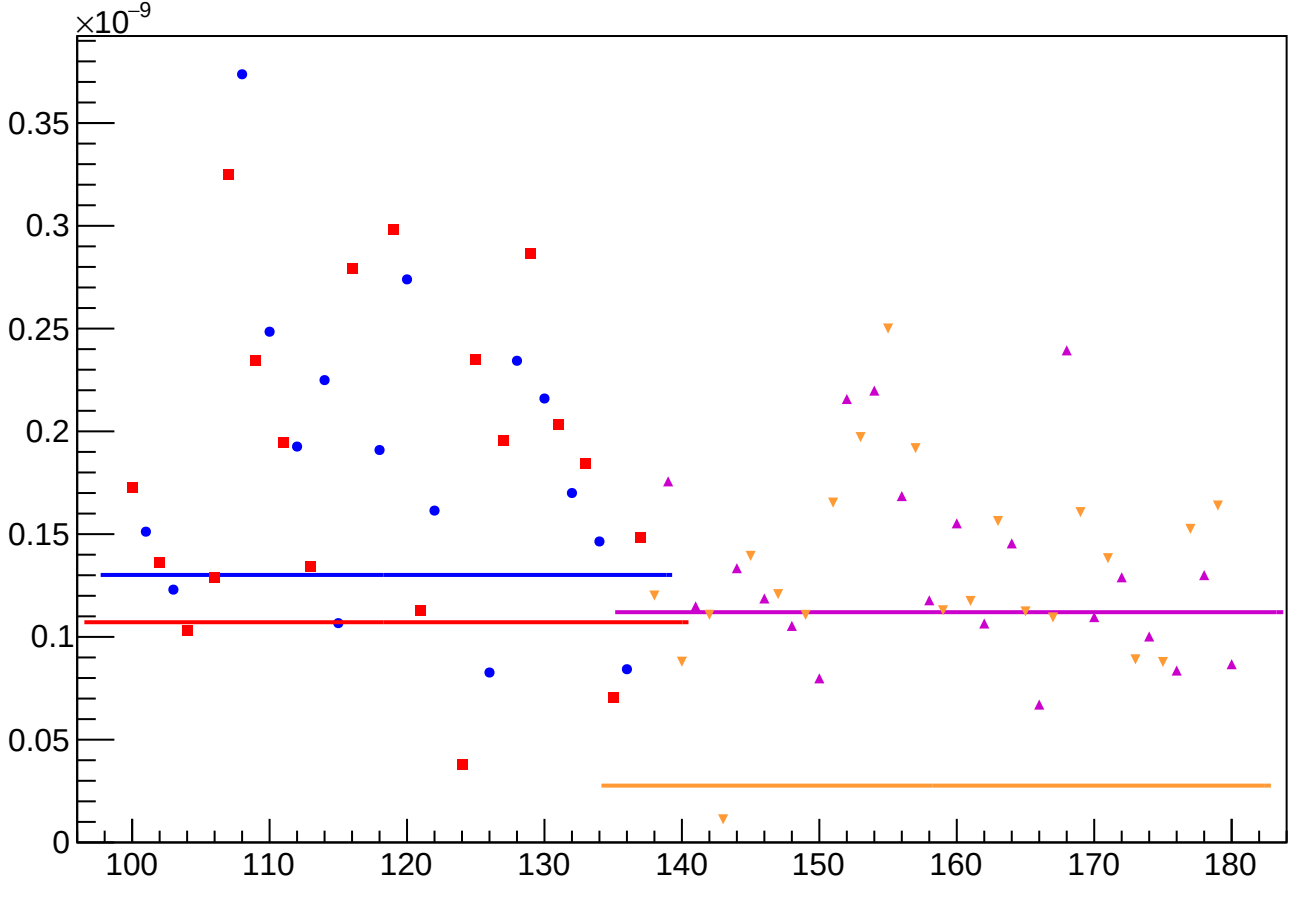
Left: 0.000+/-0.000 χ^2/NDF: 39.4/42

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:37.8/36

Out: 0.000+/-0.000 χ^2/NDF:32.4/40

All: -0.000+/-0.000 χ^2/NDF: 73.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16602358.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2211048.8/20

Left: 0.000+/-0.000 χ^2/NDF: 29363023.7/42

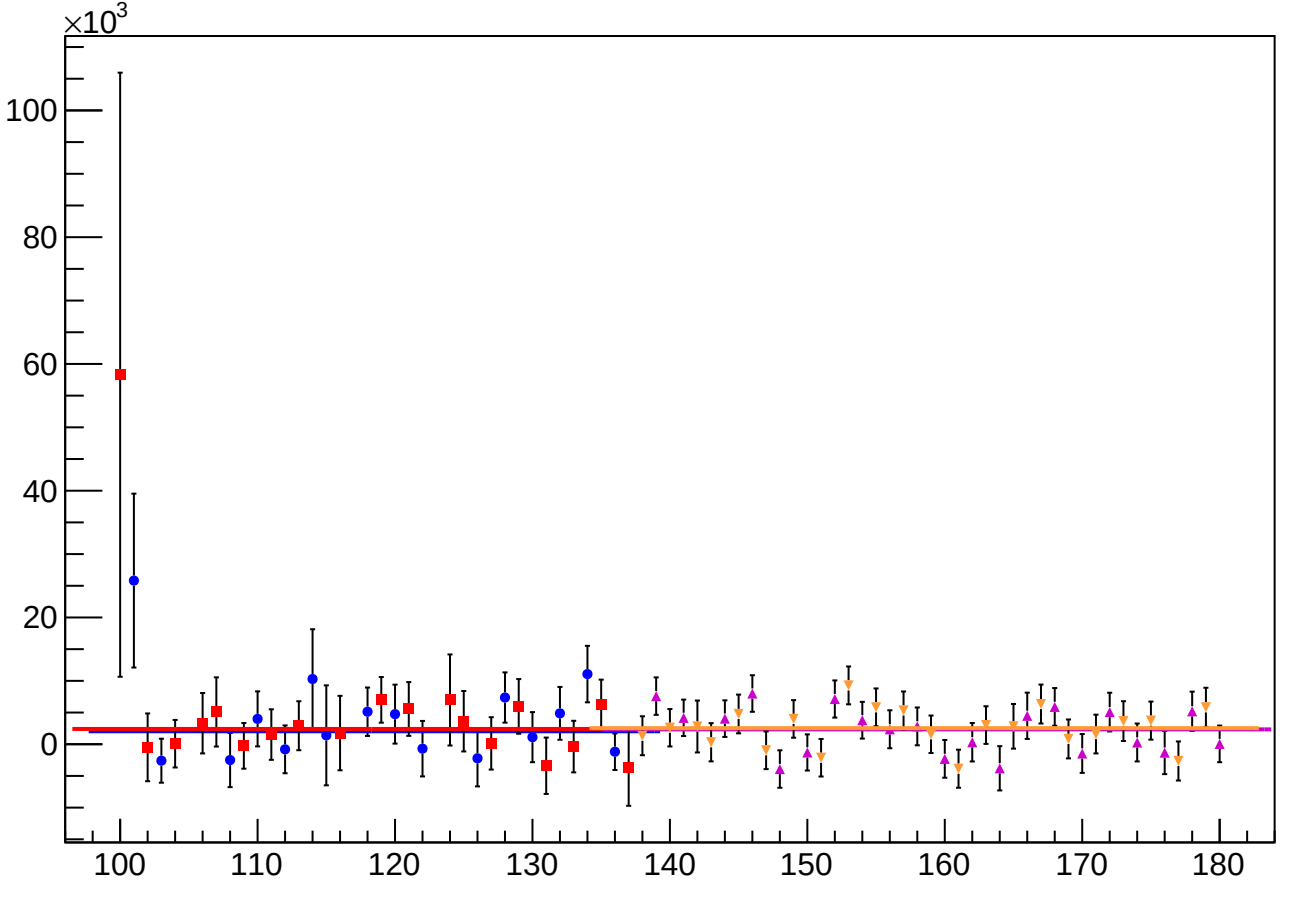
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3660497.5/36

Out: 0.000+/-0.000 χ^2/NDF:22686521.2/40

All: 0.000+/-0.000 χ^2/NDF: 38988201.8/77

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.688+/-654.216 χ^2/NDF:23.4/21

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2344.303+/-659.378 χ^2/NDF:30.0/20

Left: 2440.747+/-464.415 χ^2/NDF: 53.4/42

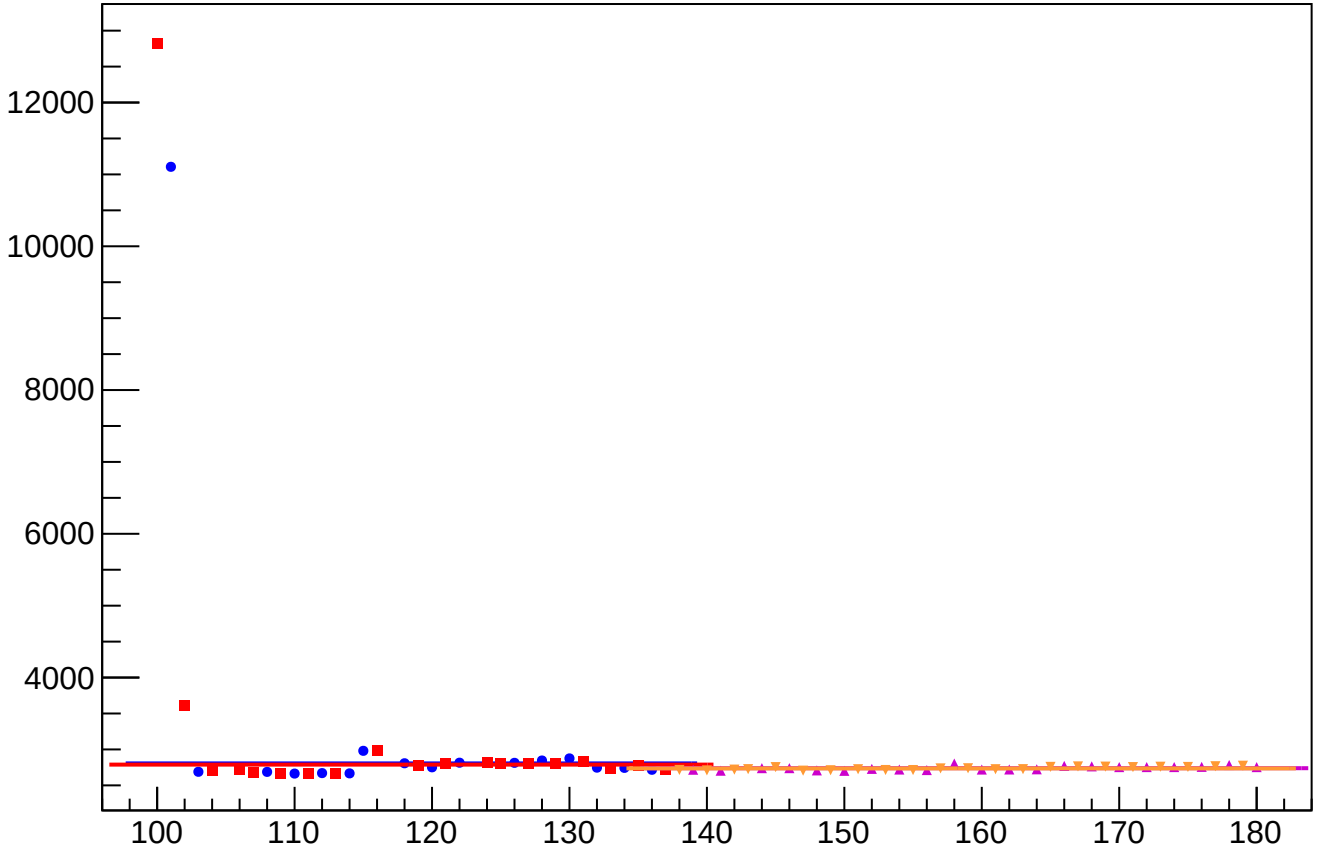
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2263.205+/-561.407 χ^2/NDF:47.9/36

Out: 2500.360+/-553.076 χ^2/NDF:34.2/40

All: 2383.555+/-393.996 χ^2/NDF: 82.1/77

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

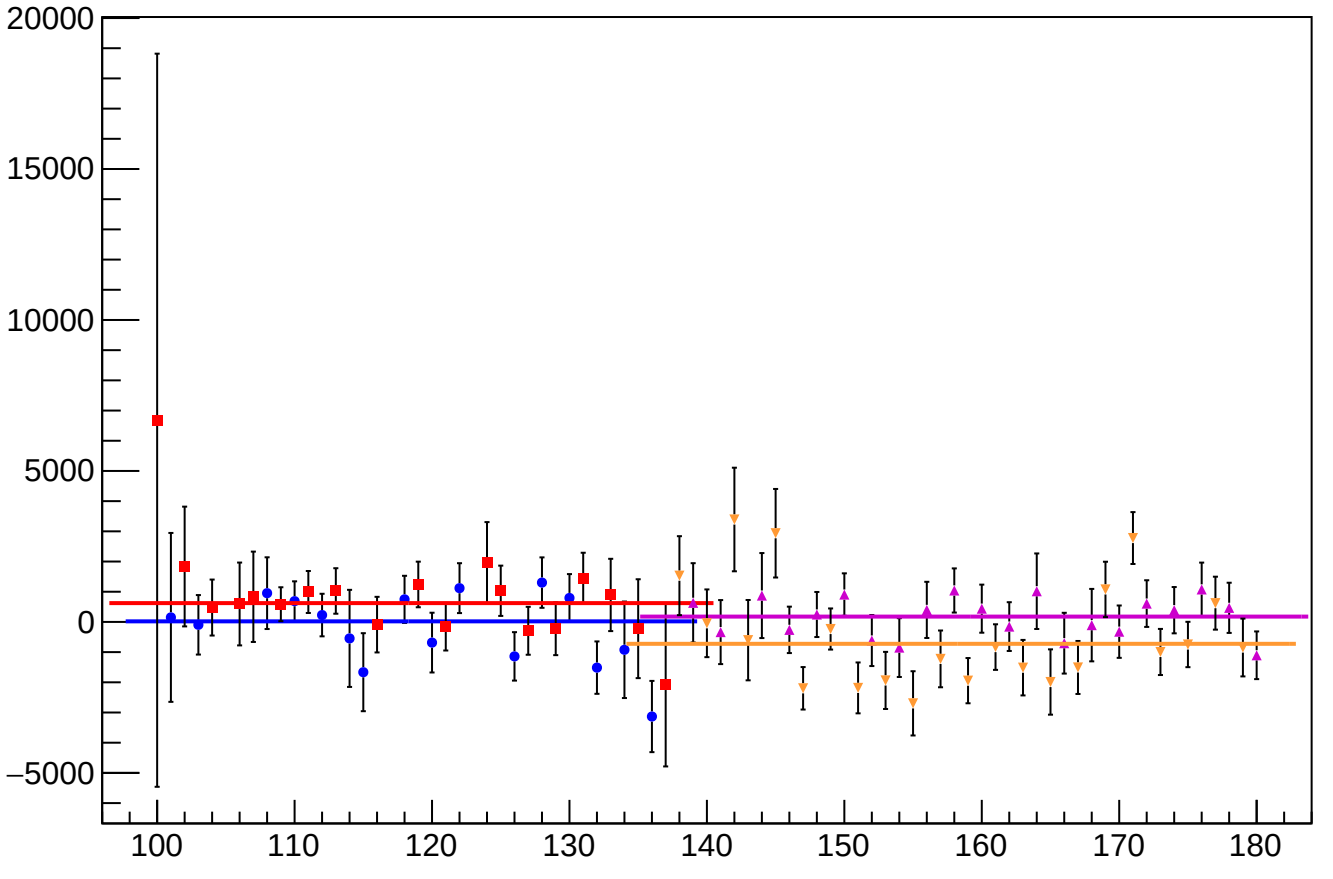
Left: 2737.458+/-0.328 χ^2/NDF: 5516.0/42

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.224+/-0.397 χ^2/NDF:755133.0/36

Out: 2751.080+/-0.391 χ^2/NDF:152919.1/40

All: 2754.106+/-0.279 χ^2/NDF: 908173.7/77



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -725.273+/-193.273 χ^2/NDF:57.2/21

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 176.546+/-190.957 χ^2/NDF:11.5/20

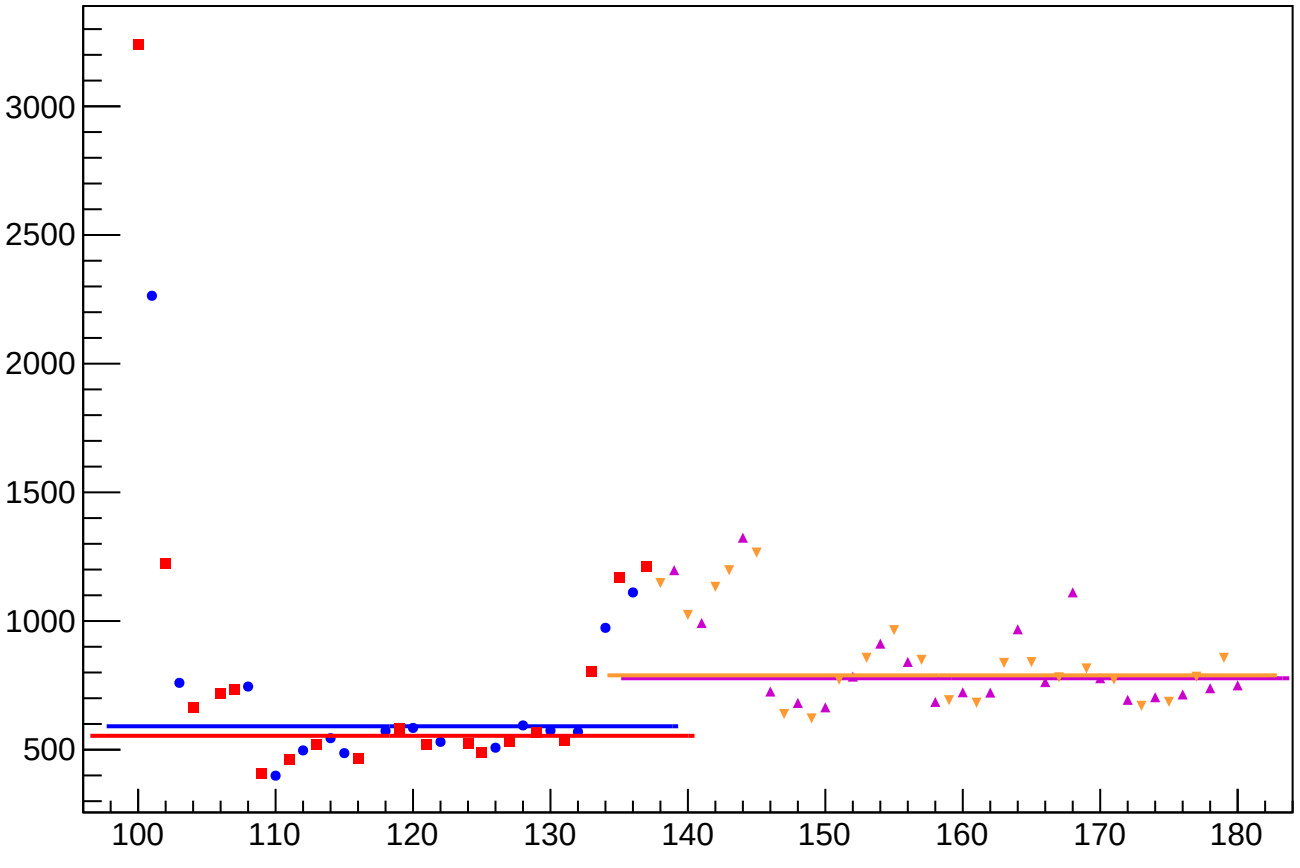
Left: -268.928+/-135.838 χ^2/NDF: 79.7/42

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 113.394+/-147.816 χ^2/NDF:34.5/36

Out: -125.569+/-144.016 χ^2/NDF:88.1/40

All: -9.198+/-103.152 χ^2/NDF: 124.0/77



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 788.913+/-0.137 χ^2/NDF:1185992.0/21

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 777.573+/-0.135 χ^2/NDF:1040145.5/20

Left: 783.174+/-0.096 χ^2/NDF: 2229621.8/42

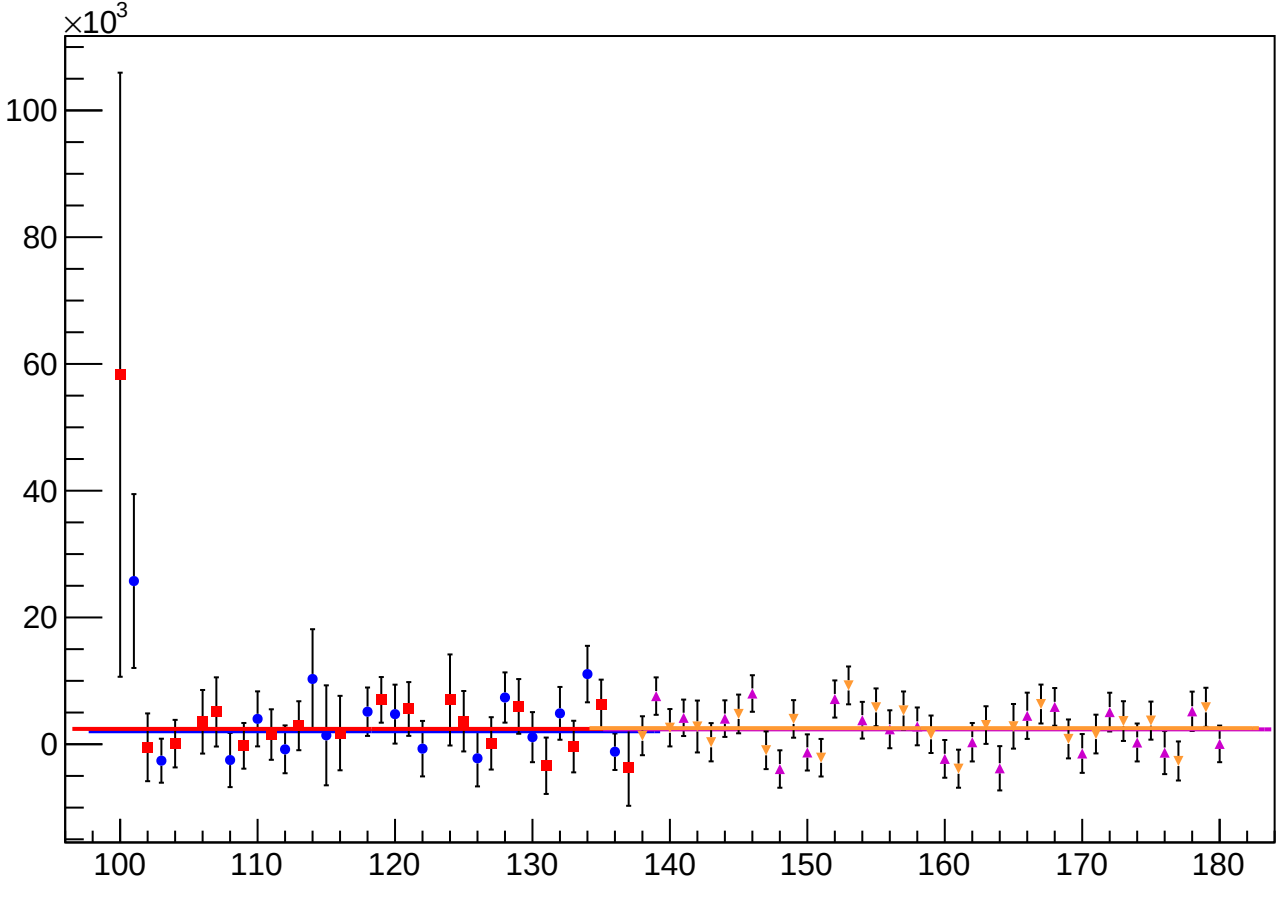
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 702.810+/-0.105 χ^2/NDF:3372690.9/36

Out: 684.425+/-0.102 χ^2/NDF:3617206.9/40

All: 693.378+/-0.073 χ^2/NDF: 7005770.5/77

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2344.401+/-659.378 χ^2/NDF:30.0/20

Left: 2440.794+/-464.415 χ^2/NDF: 53.4/42

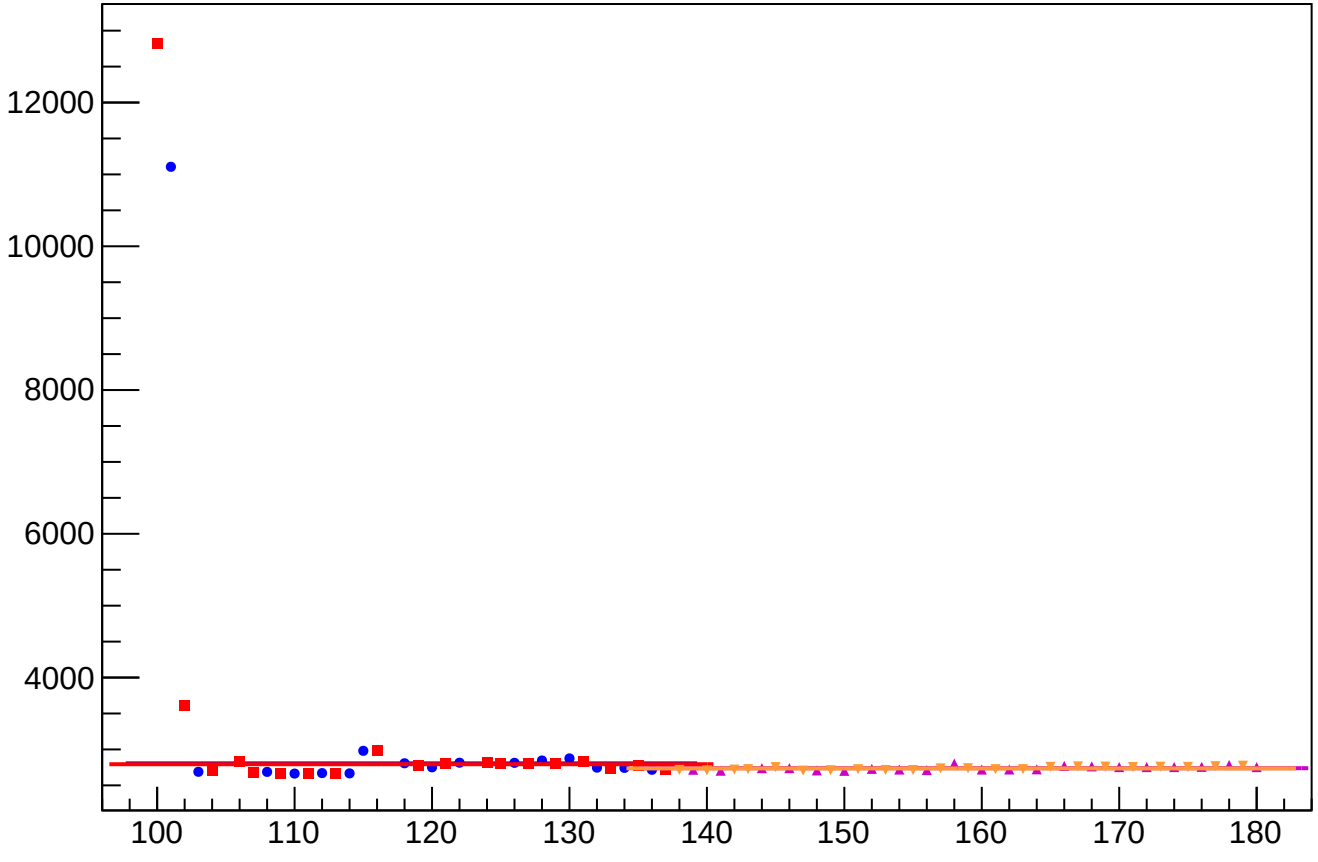
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2263.055+/-561.407 χ^2/NDF:47.8/36

Out: 2502.194+/-553.438 χ^2/NDF:34.2/40

All: 2384.334+/-394.127 χ^2/NDF: 82.1/77

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

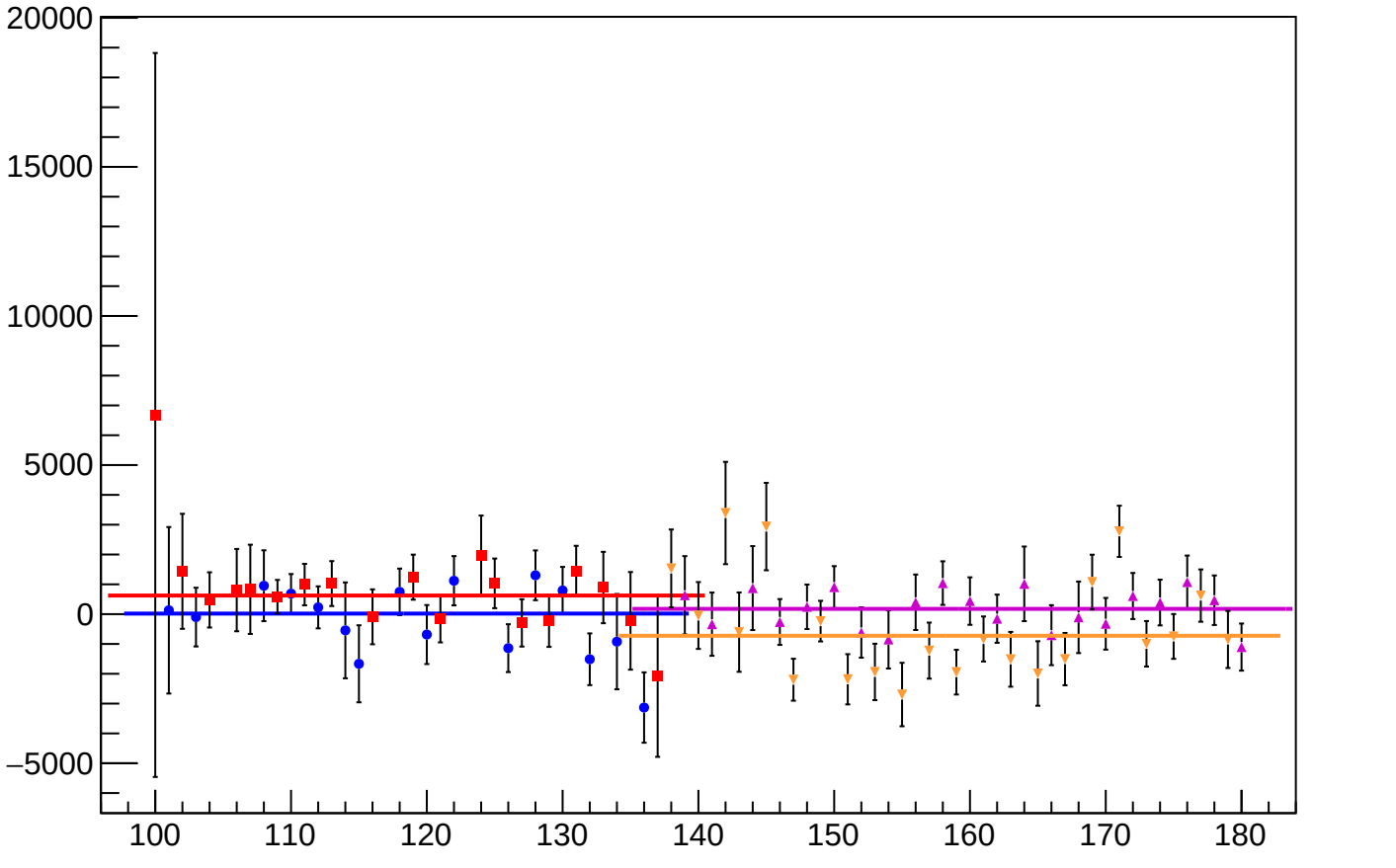
Left: 2737.458+/-0.328 χ^2/NDF: 5516.0/42

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.224+/-0.397 χ^2/NDF:755132.1/36

Out: 2752.548+/-0.391 χ^2/NDF:153439.6/40

All: 2754.853+/-0.279 χ^2/NDF: 908642.2/77



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 176.642+/-190.958 χ^2/NDF:11.5/20

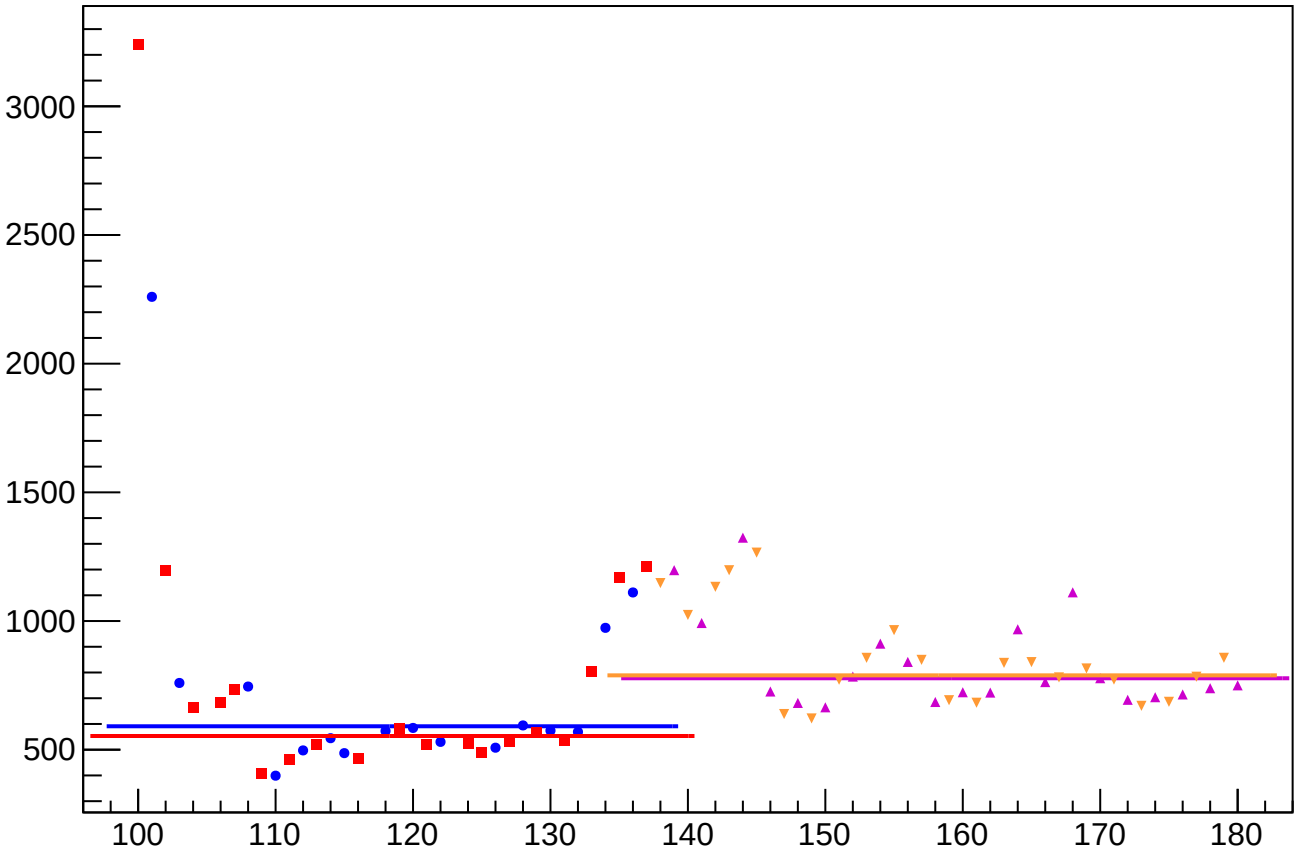
Left: -268.872+/-135.838 χ^2/NDF: 79.7/42

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 113.430+/-147.813 χ^2/NDF:34.5/36

Out: -124.922+/-144.002 χ^2/NDF:88.0/40

All: -8.858+/-103.146 χ^2/NDF: 123.8/77



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

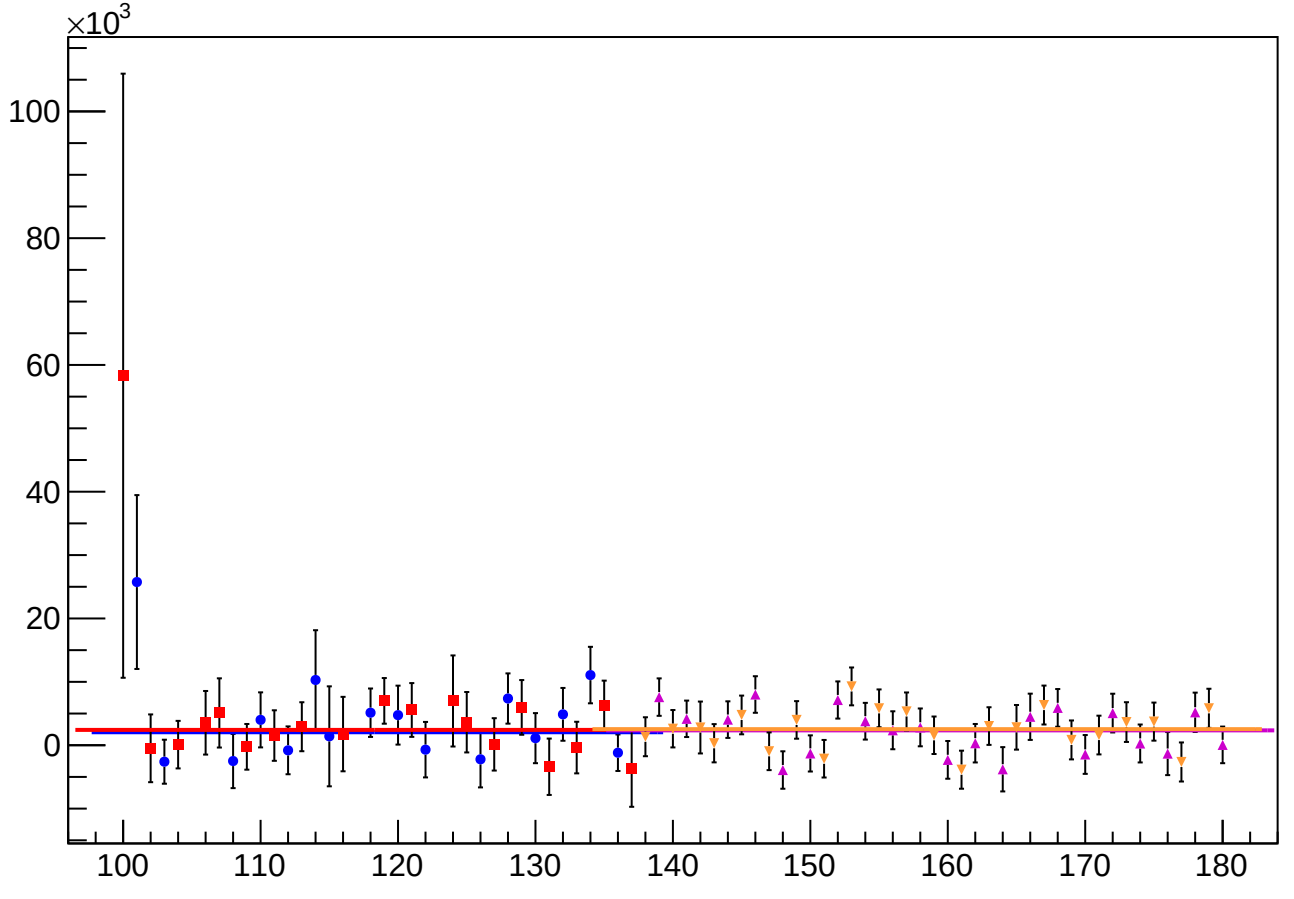
Left: 783.175+/-0.096 χ^2/NDF: 2229578.8/42

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 702.807+/-0.105 χ^2/NDF:3371677.8/36

Out: 684.066+/-0.102 χ^2/NDF:3610655.8/40

All: 693.192+/-0.073 χ^2/NDF: 6998828.1/77



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2344.401+/-659.378 χ^2/NDF:30.0/20

Left: 2440.794+/-464.415 χ^2/NDF: 53.4/42

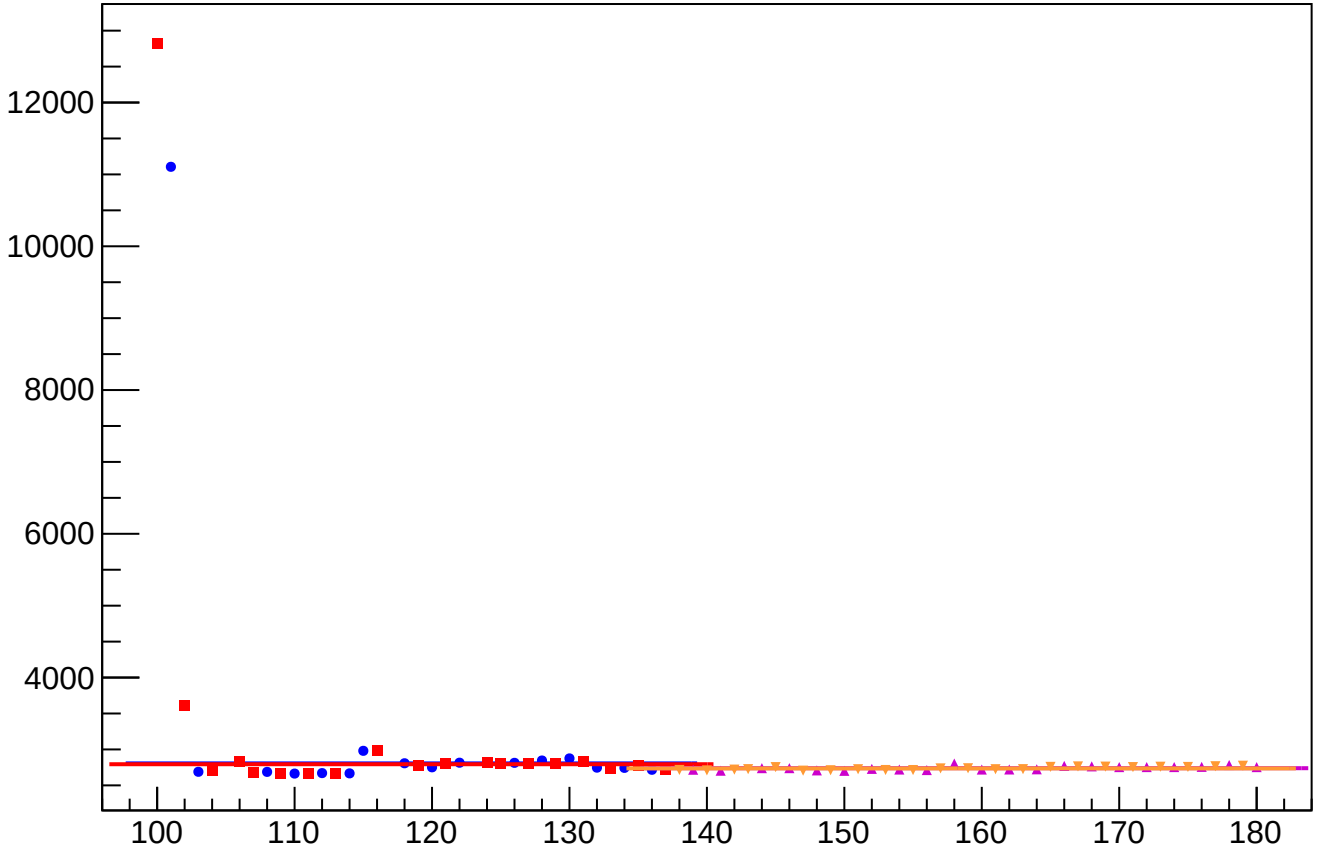
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2263.055+/-561.407 χ^2/NDF:47.8/36

Out: 2502.194+/-553.438 χ^2/NDF:34.2/40

All: 2384.334+/-394.127 χ^2/NDF: 82.1/77

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2738.925+/-0.466 χ^2/NDF:3293.1/20

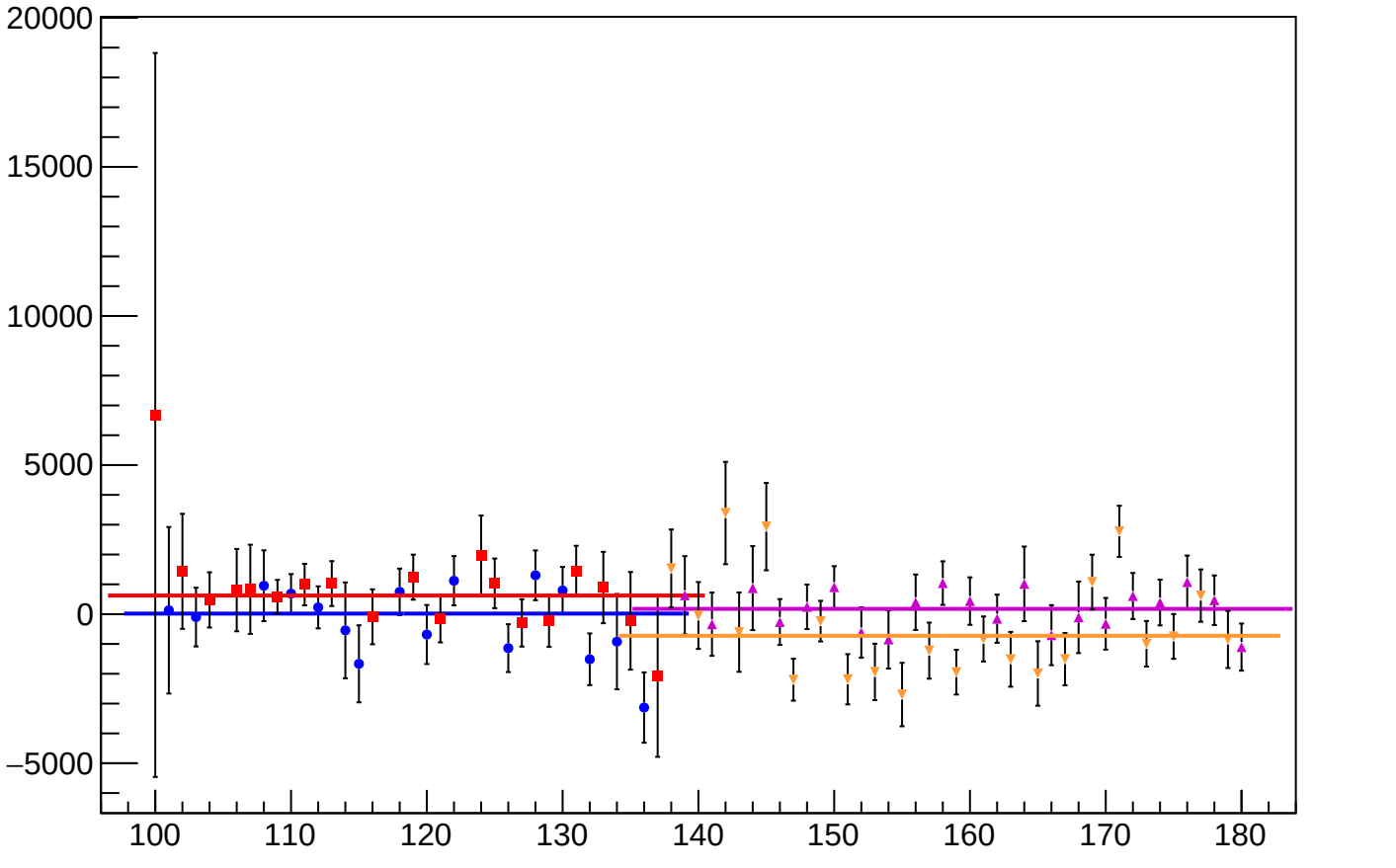
Left: 2737.458+/-0.328 χ^2/NDF: 5516.0/42

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.224+/-0.397 χ^2/NDF:755132.1/36

Out: 2752.548+/-0.391 χ^2/NDF:153439.6/40

All: 2754.853+/-0.279 χ^2/NDF: 908642.2/77



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 176.642+/-190.958 χ^2/NDF:11.5/20

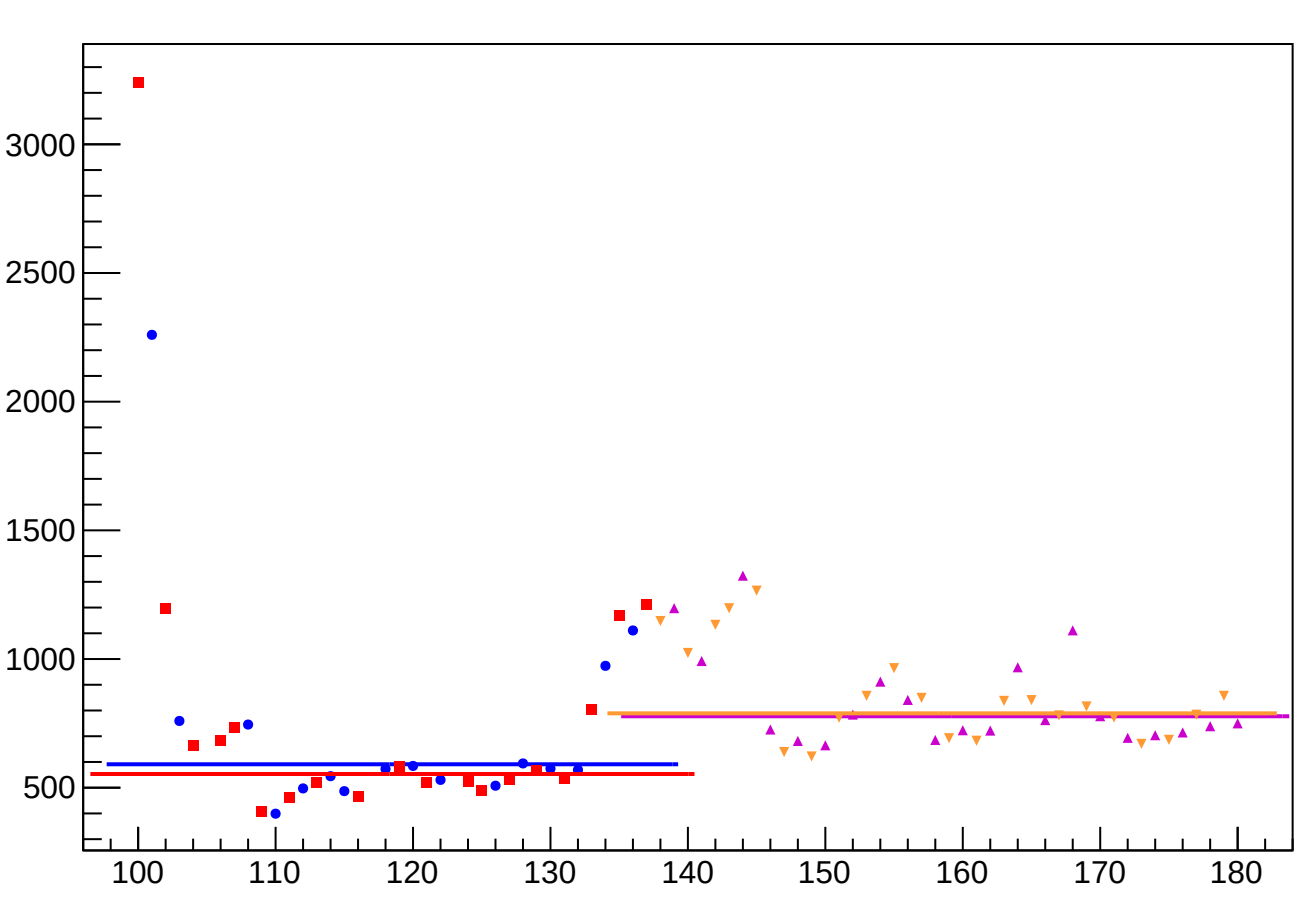
Left: -268.872+/-135.838 χ^2/NDF: 79.7/42

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 113.430+/-147.813 χ^2/NDF:34.5/36

Out: -124.922+/-144.002 χ^2/NDF:88.0/40

All: -8.858+/-103.146 χ^2/NDF: 123.8/77



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 777.576+/-0.135 χ^2/NDF:1040078.0/20

Left: 783.175+/-0.096 χ^2/NDF: 2229578.8/42

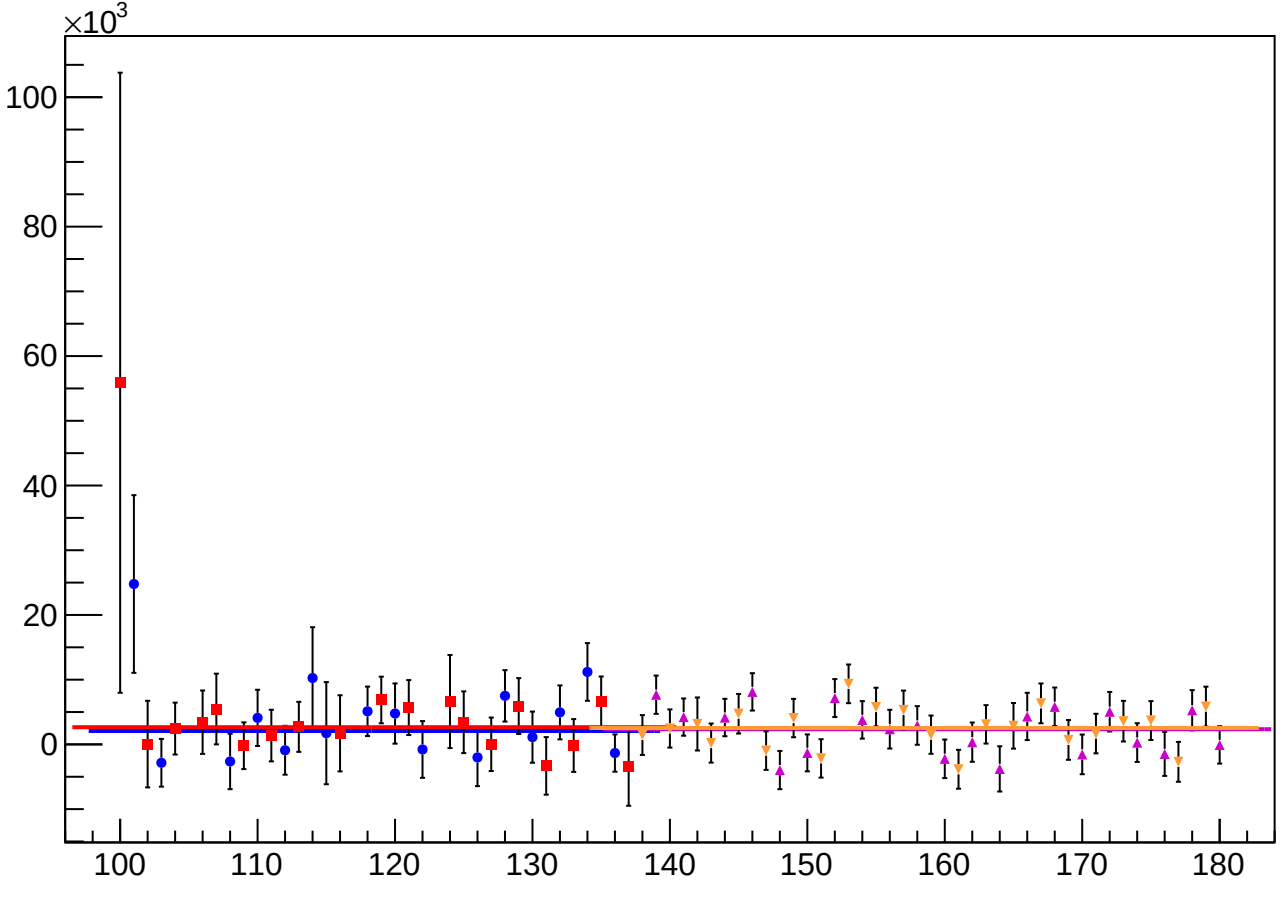
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 702.807+/-0.105 χ^2/NDF:3371677.8/36

Out: 684.066+/-0.102 χ^2/NDF:3610655.8/40

All: 693.192+/-0.073 χ^2/NDF: 6998828.1/77

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.772+/-654.651 χ^2/NDF:23.6/21

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2346.972+/-659.754 χ^2/NDF:30.5/20

Left: 2438.578+/-464.702 χ^2/NDF: 54.1/42

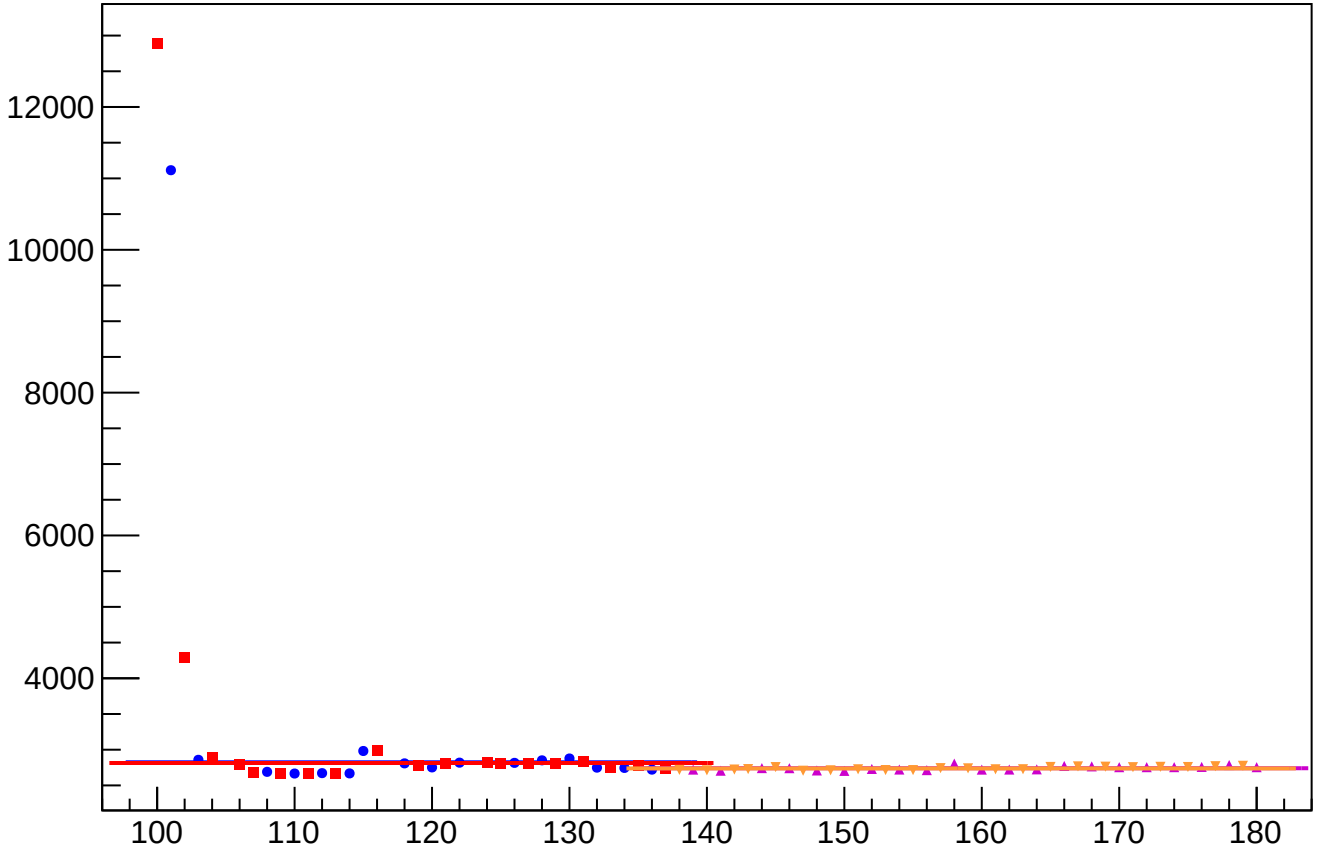
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2272.715+/-562.613 χ^2/NDF:48.4/36

Out: 2564.756+/-555.503 χ^2/NDF:33.5/40

All: 2420.592+/-395.290 χ^2/NDF: 82.1/77

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

Left: 2739.143+/-0.329 χ^2/NDF: 5534.1/42

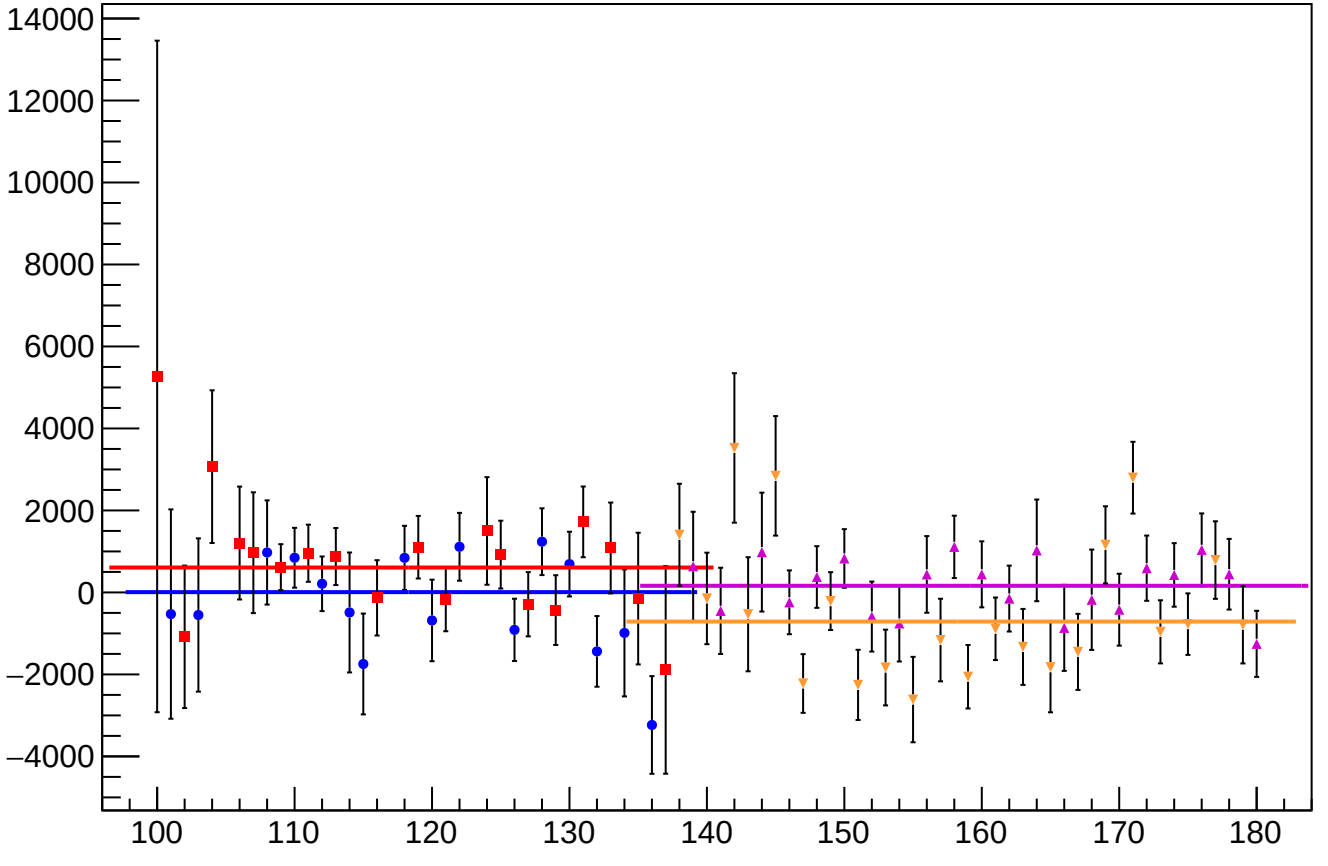
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.112+/-0.398 χ^2/NDF:755849.3/36

Out: 2759.104+/-0.393 χ^2/NDF:210270.4/40

All: 2761.082+/-0.280 χ^2/NDF: 966171.1/77

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 162.065+/-193.412 χ^2/NDF:12.2/20

Left: -266.877+/-137.941 χ^2/NDF: 77.8/42

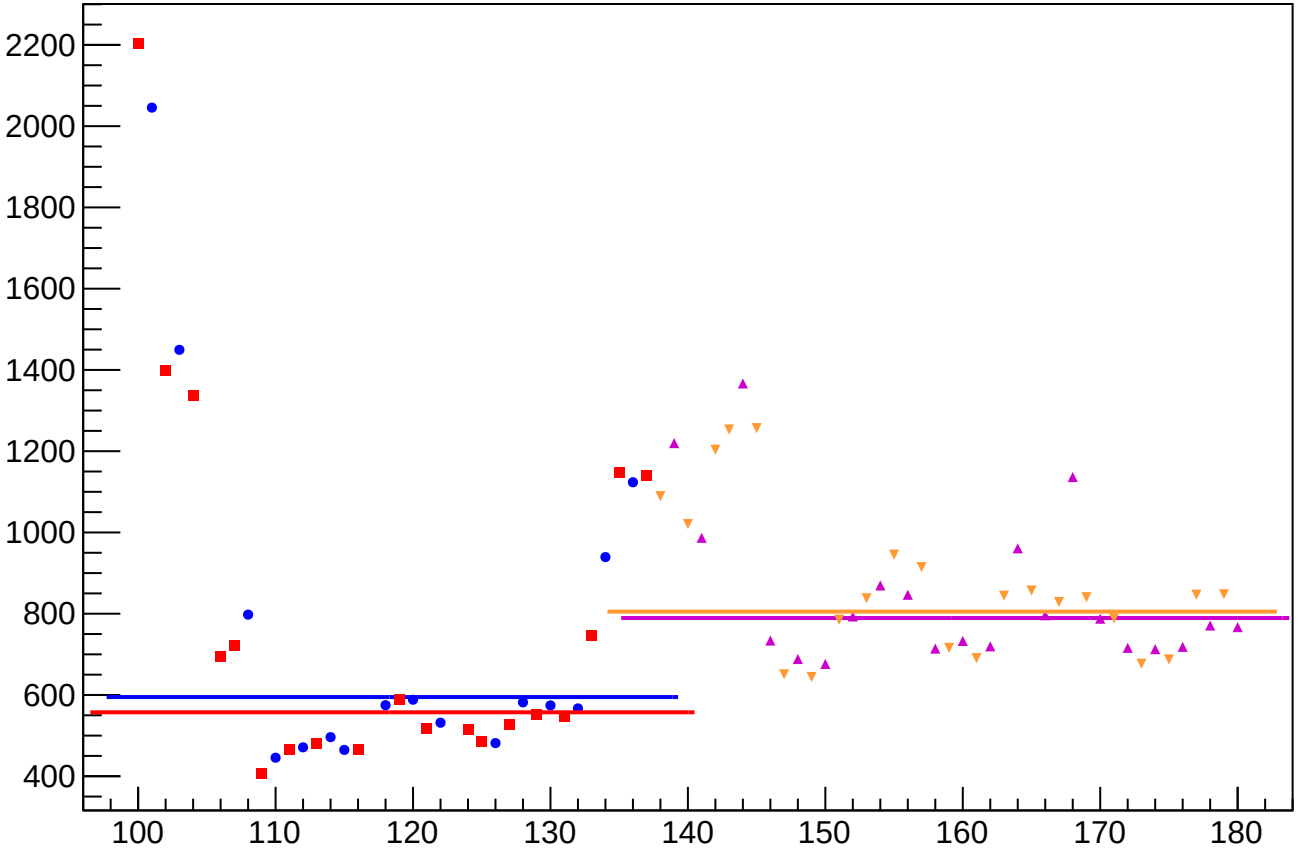
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 100.238+/-149.962 χ^2/NDF:35.3/36

Out: -116.173+/-145.802 χ^2/NDF:88.0/40

All: -11.010+/-104.537 χ^2/NDF: 124.3/77

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131833.3/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 789.399+/-0.137 χ^2/NDF:1010783.8/20

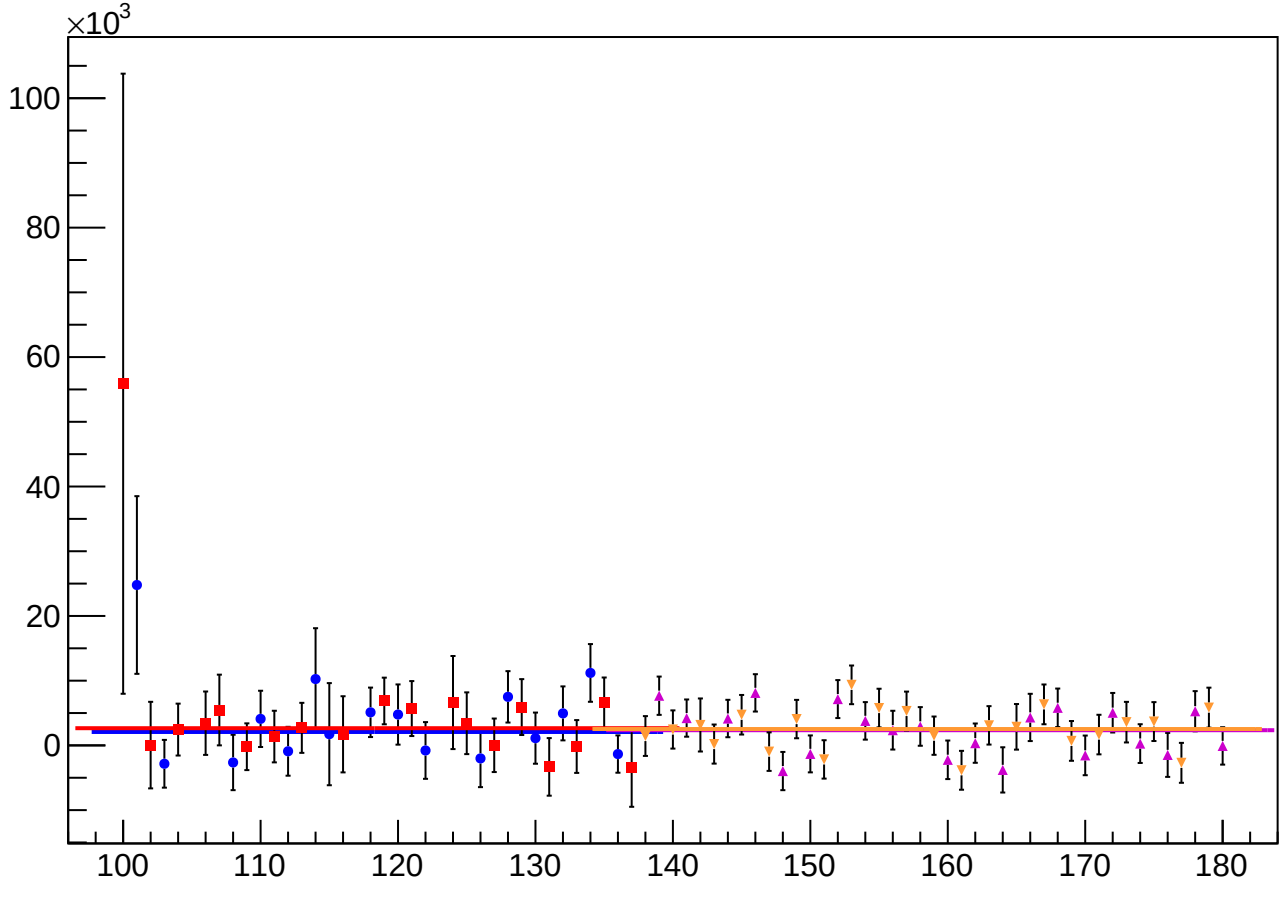
Left: 797.188+/-0.098 χ^2/NDF: 2149219.6/42

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 711.808+/-0.106 χ^2/NDF:3670452.5/36

Out: 693.455+/-0.103 χ^2/NDF:4194207.5/40

All: 702.374+/-0.074 χ^2/NDF: 7880059.4/77



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.773+/-654.651 χ^2/NDF:23.6/21

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2346.972+/-659.754 χ^2/NDF:30.5/20

Left: 2438.578+/-464.702 χ^2/NDF: 54.1/42

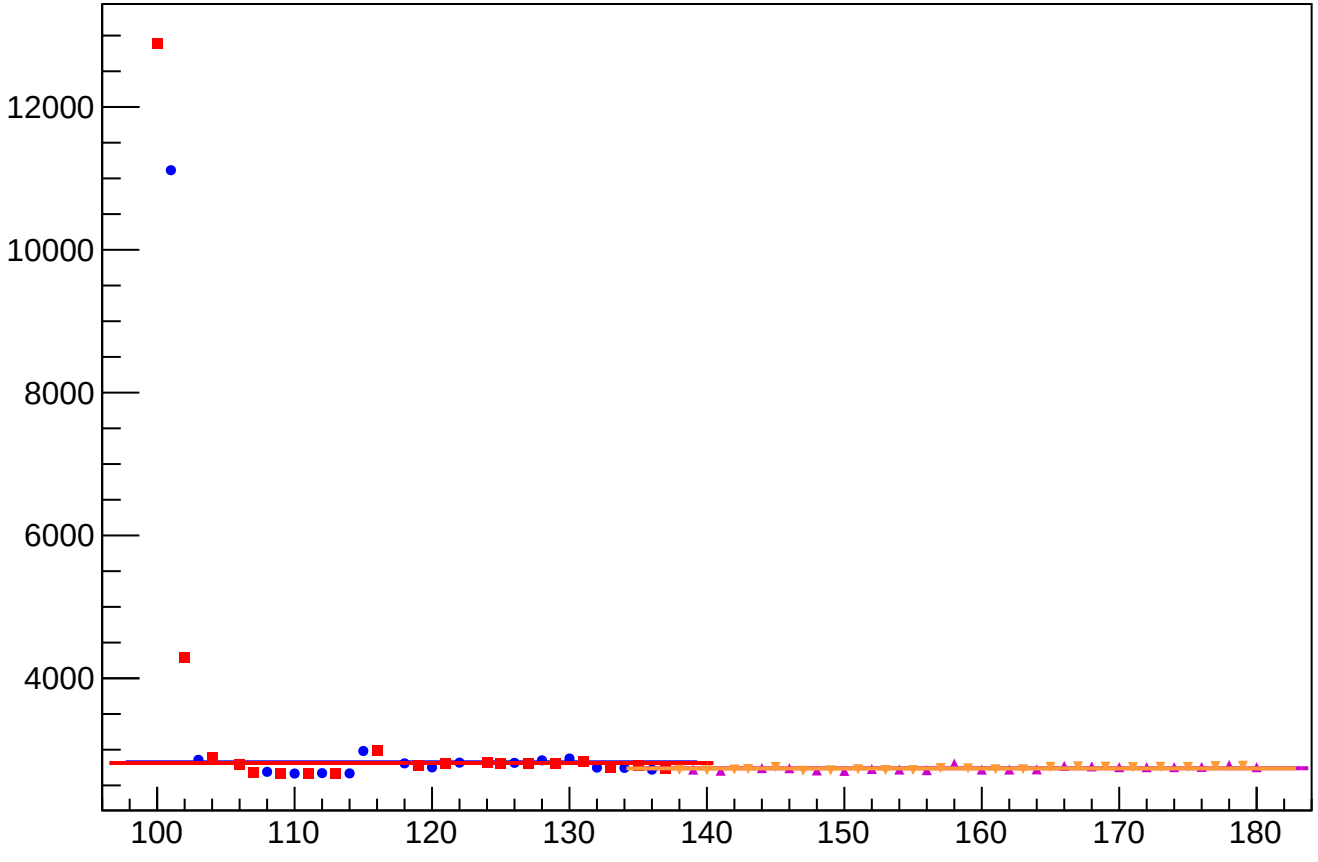
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2272.715+/-562.613 χ^2/NDF:48.4/36

Out: 2564.756+/-555.503 χ^2/NDF:33.5/40

All: 2420.592+/-395.290 χ^2/NDF: 82.1/77

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2740.478+/-0.467 χ^2/NDF:3304.3/20

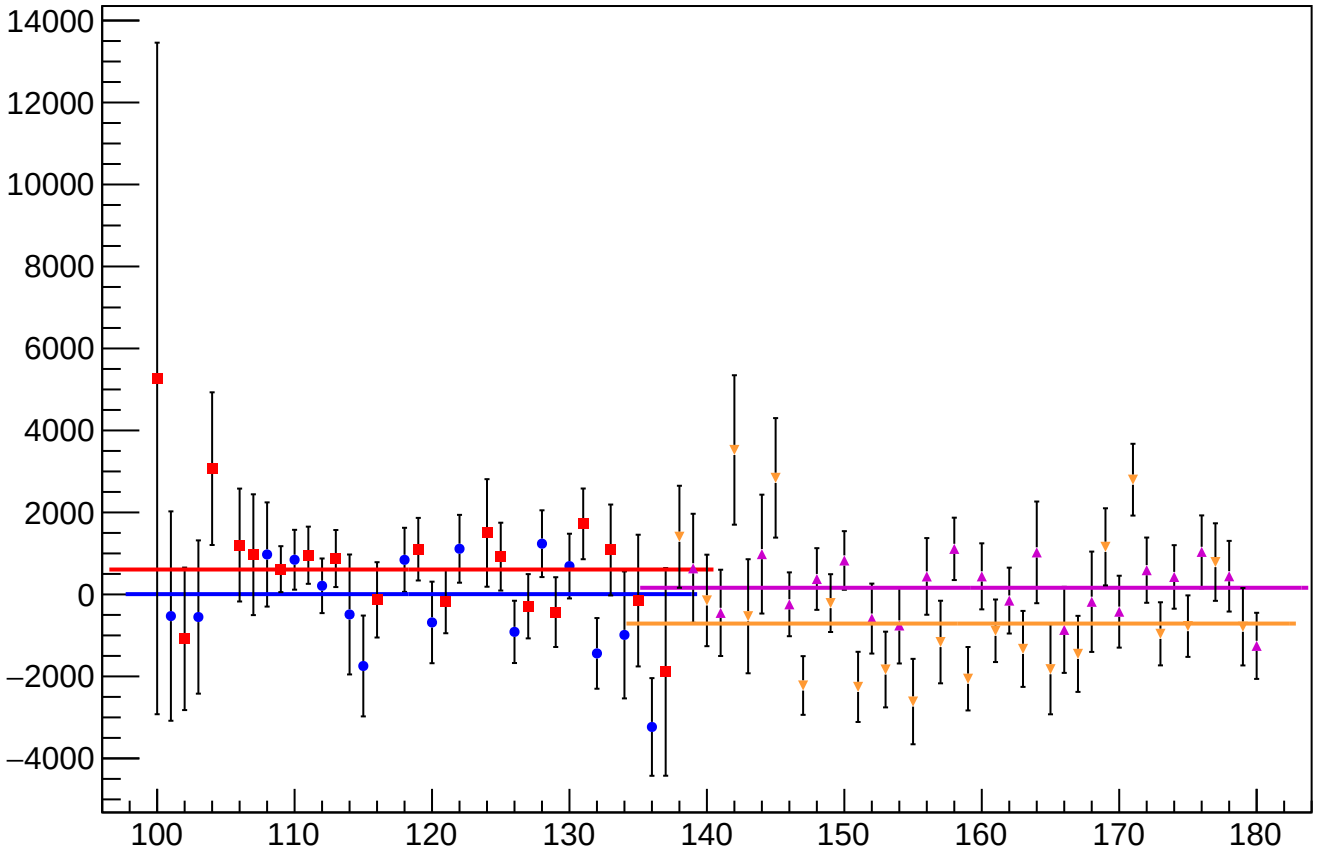
Left: 2739.143+/-0.329 χ^2/NDF: 5534.1/42

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.112+/-0.398 χ^2/NDF:755849.3/36

Out: 2759.104+/-0.393 χ^2/NDF:210270.1/40

All: 2761.082+/-0.280 χ^2/NDF: 966170.8/77



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 162.065+/-193.412 χ^2/NDF:12.2/20

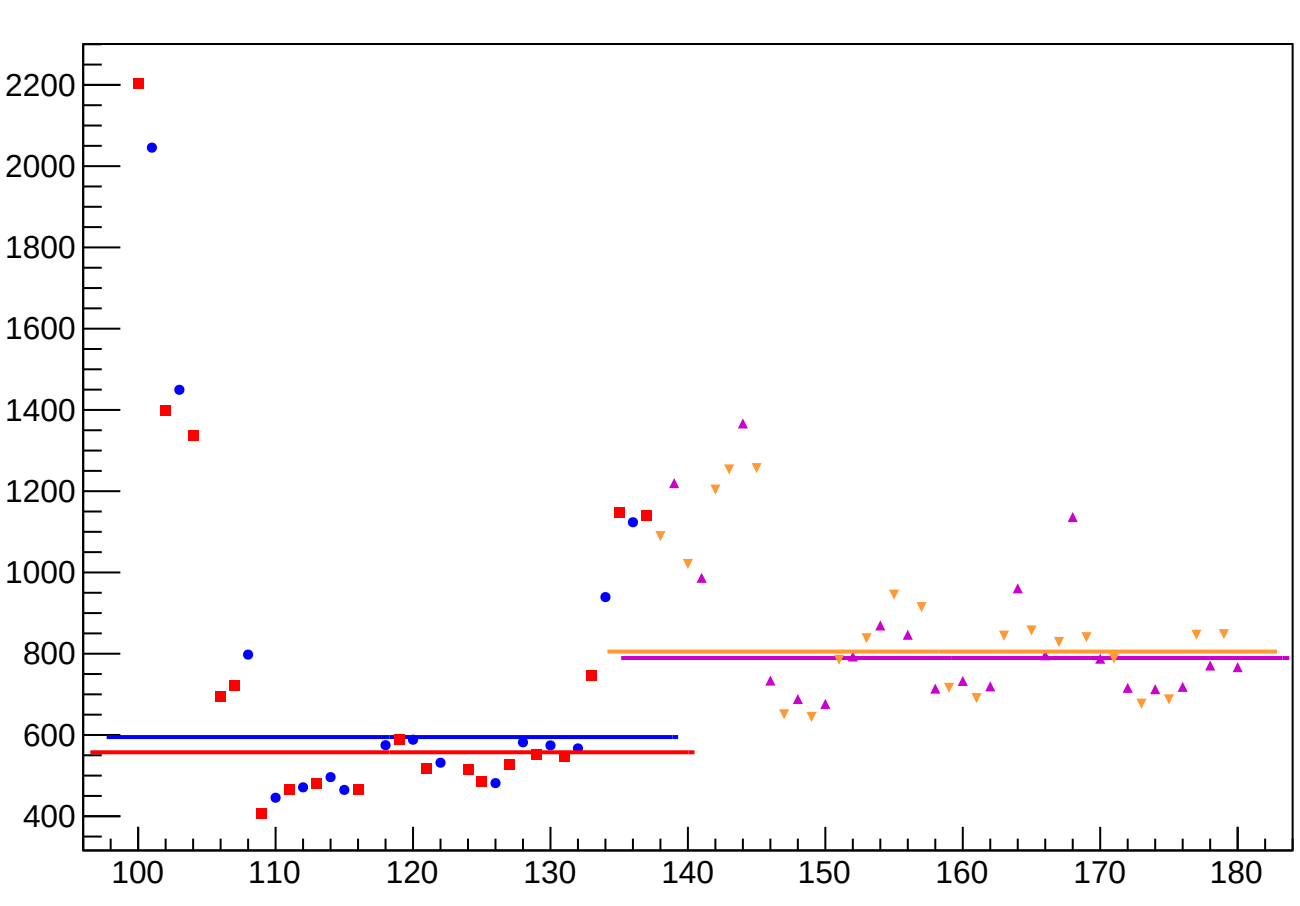
Left: -266.877+/-137.941 χ^2/NDF: 77.8/42

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 100.239+/-149.962 χ^2/NDF:35.3/36

Out: -116.173+/-145.802 χ^2/NDF:88.0/40

All: -11.010+/-104.537 χ^2/NDF: 124.3/77



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131835.5/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 789.398+/-0.137 χ^2/NDF:1010788.0/20

Left: 797.188+/-0.098 χ^2/NDF: 2149226.2/42

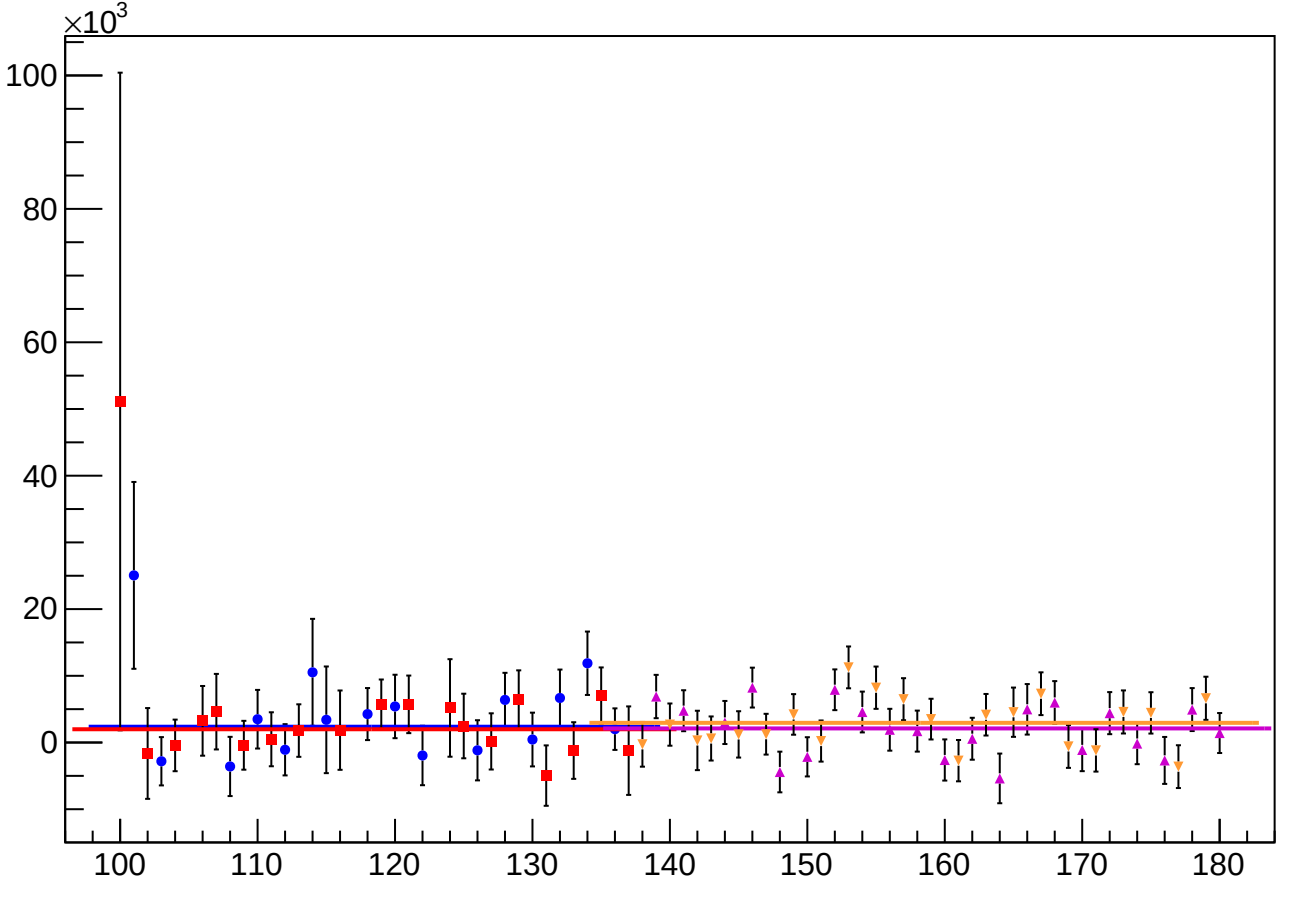
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 711.808+/-0.106 χ^2/NDF:3670445.3/36

Out: 693.455+/-0.103 χ^2/NDF:4194204.9/40

All: 702.374+/-0.074 χ^2/NDF: 7880049.8/77

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2949.109+/-688.429 χ^2/NDF:28.8/21

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2110.100+/-691.593 χ^2/NDF:31.6/20

Left: 2531.528+/-487.908 χ^2/NDF: 61.1/42

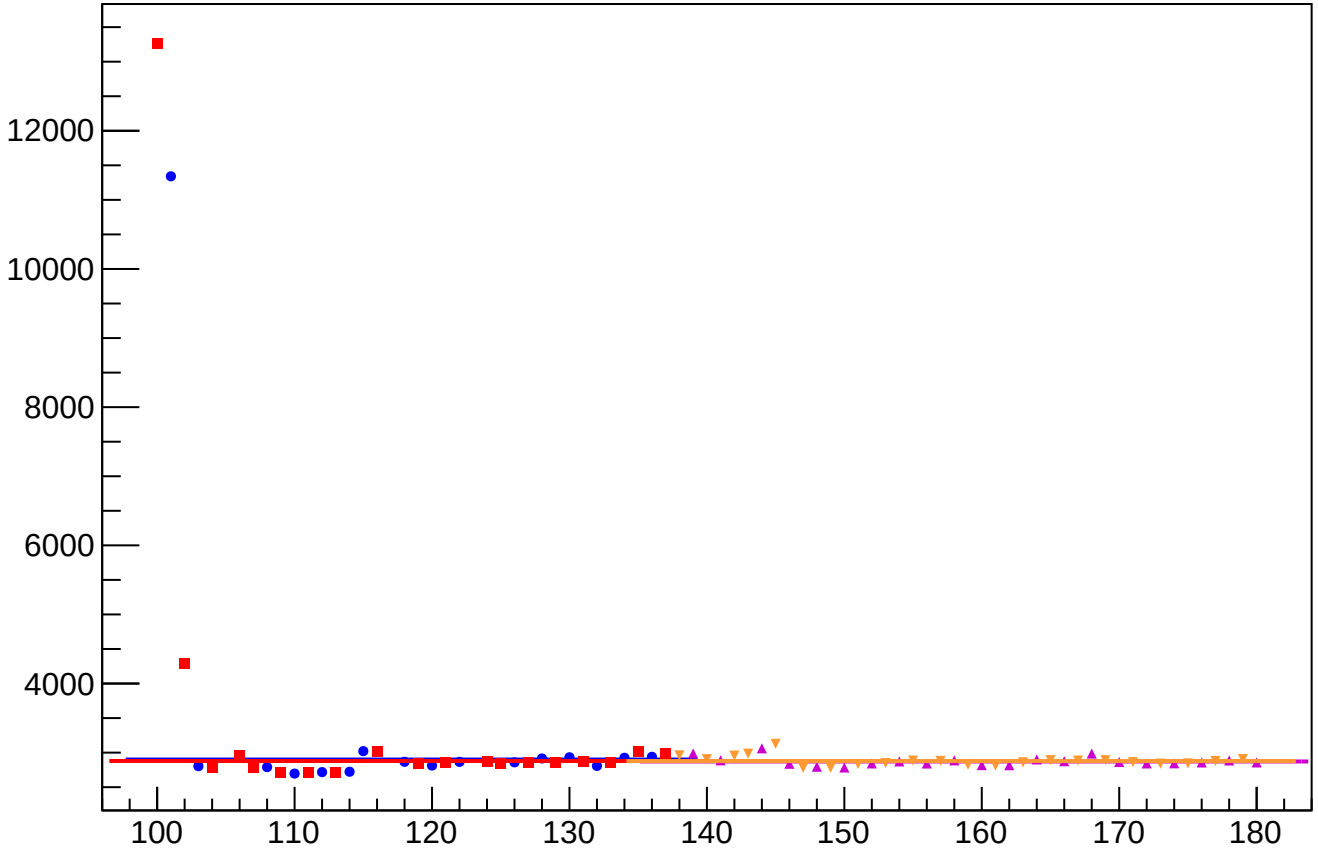
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2182.344+/-586.418 χ^2/NDF:48.5/36

Out: 2669.419+/-579.788 χ^2/NDF:39.7/40

All: 2428.651+/-412.296 χ^2/NDF: 88.5/77

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2877.932+/-0.487 χ^2/NDF:21294.0/21

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2871.929+/-0.489 χ^2/NDF:17456.2/20

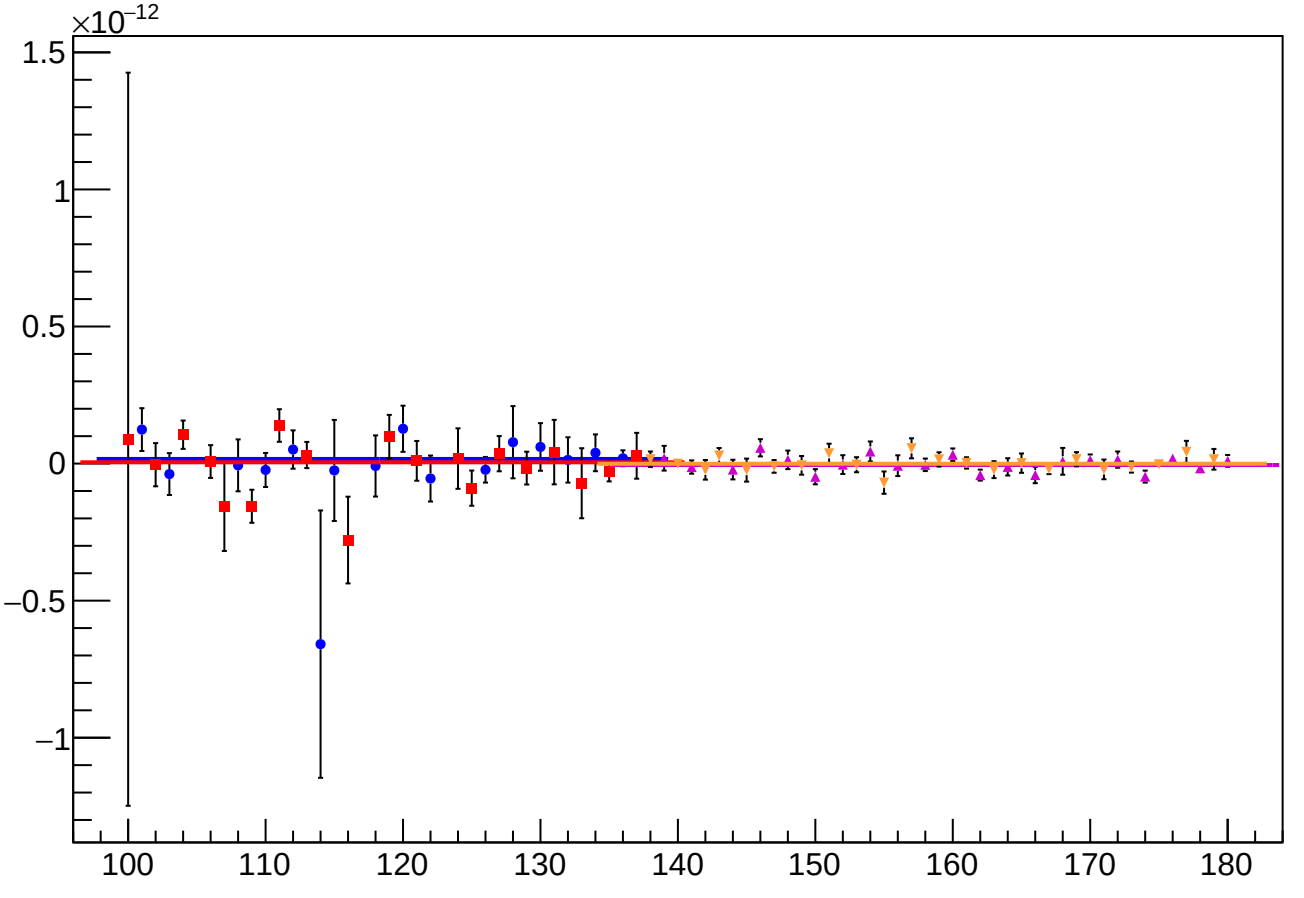
Left: 2874.944+/-0.345 χ^2/NDF: 38825.8/42

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2879.769+/-0.415 χ^2/NDF:760188.9/36

Out: 2878.230+/-0.410 χ^2/NDF:214577.7/40

All: 2878.991+/-0.292 χ^2/NDF: 974773.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.4/20

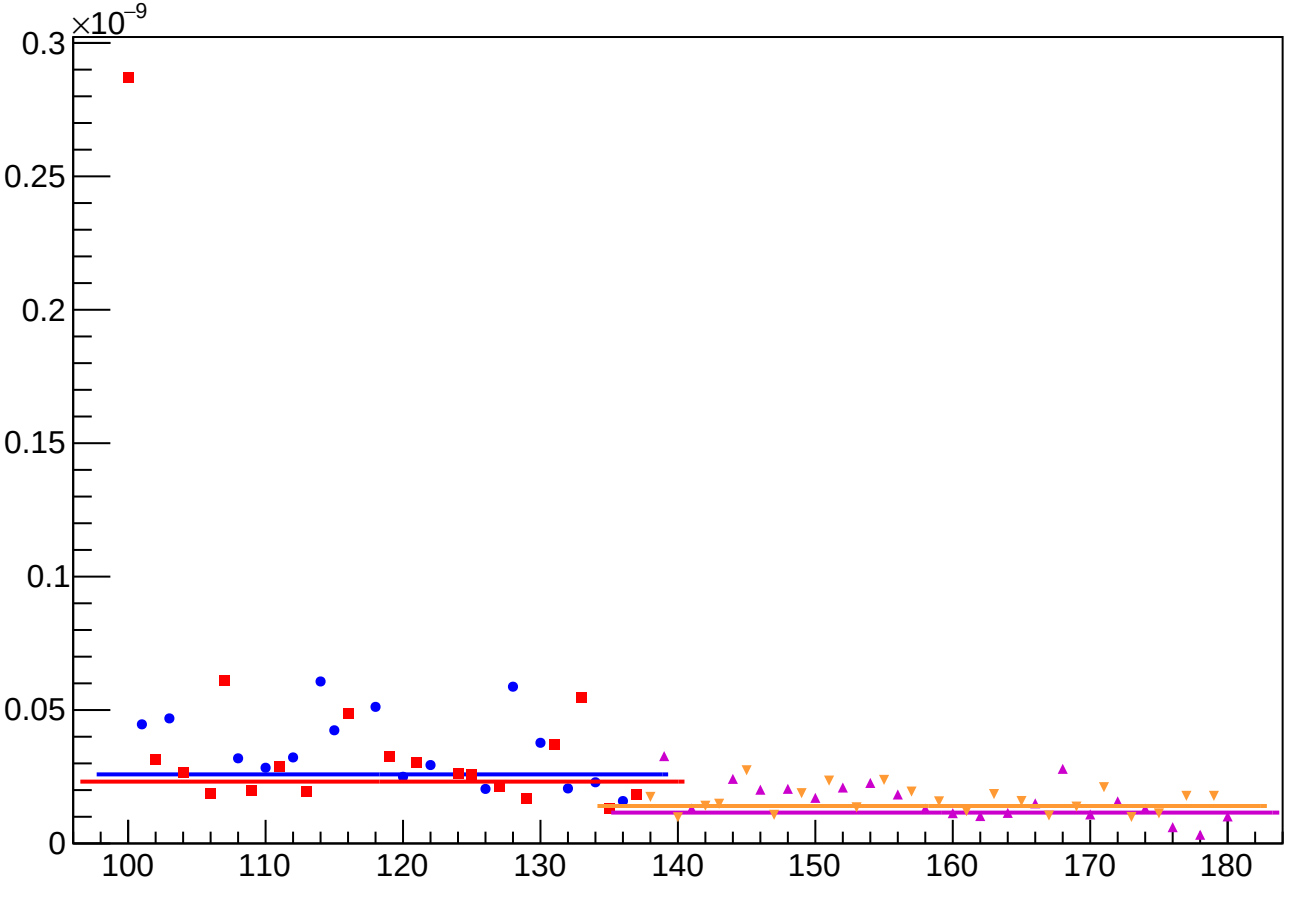
Left: -0.000+/-0.000 χ^2/NDF: 38.8/42

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:35.8/36

Out: -0.000+/-0.000 χ^2/NDF:38.9/40

All: -0.000+/-0.000 χ^2/NDF: 75.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1123001.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3015460.1/20

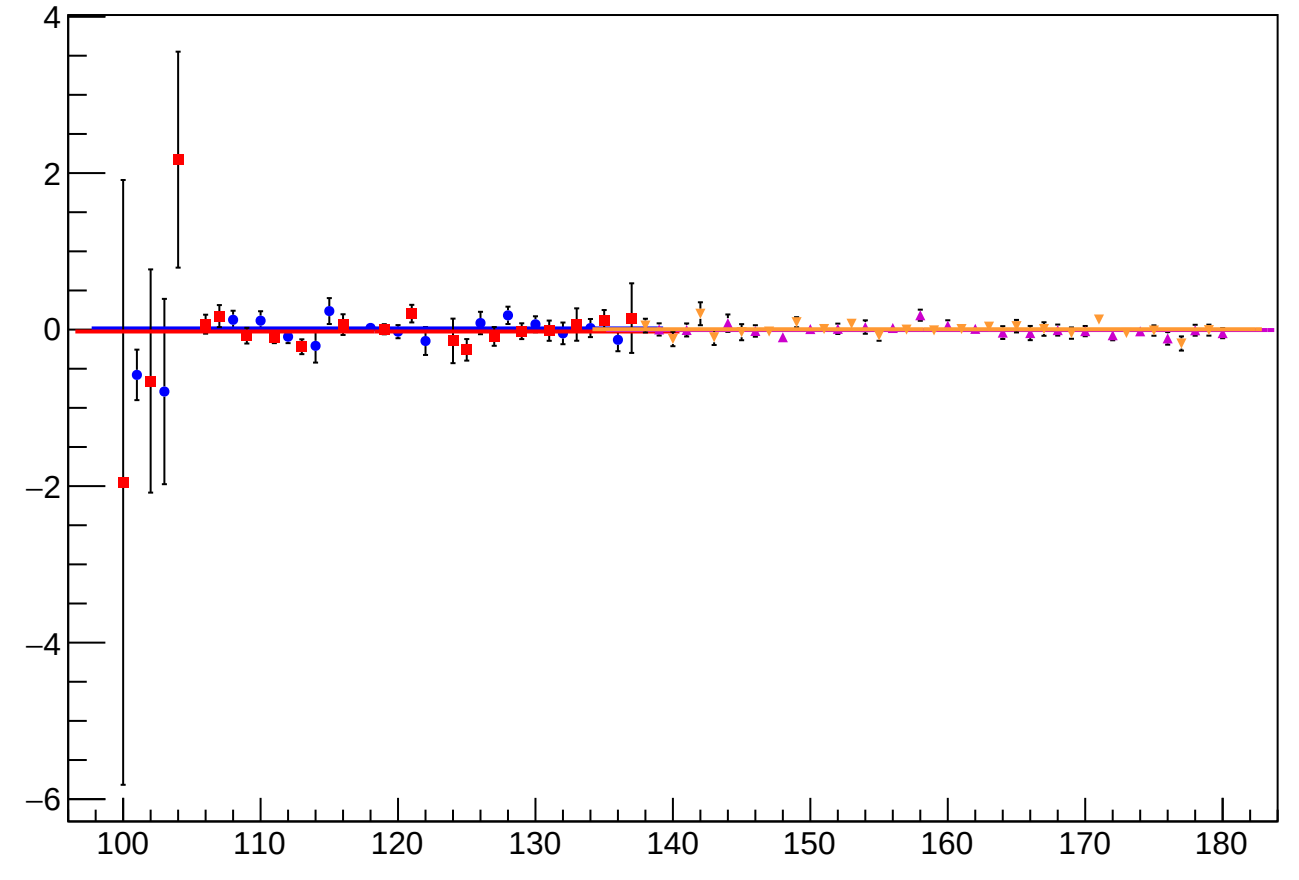
Left: 0.000+/-0.000 χ^2/NDF: 4343173.5/42

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:5194491.0/36

Out: 0.000+/-0.000 χ^2/NDF:2412186.5/40

All: 0.000+/-0.000 χ^2/NDF: 7797348.0/77



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.006+/-0.015 χ^2/NDF:14.7/20

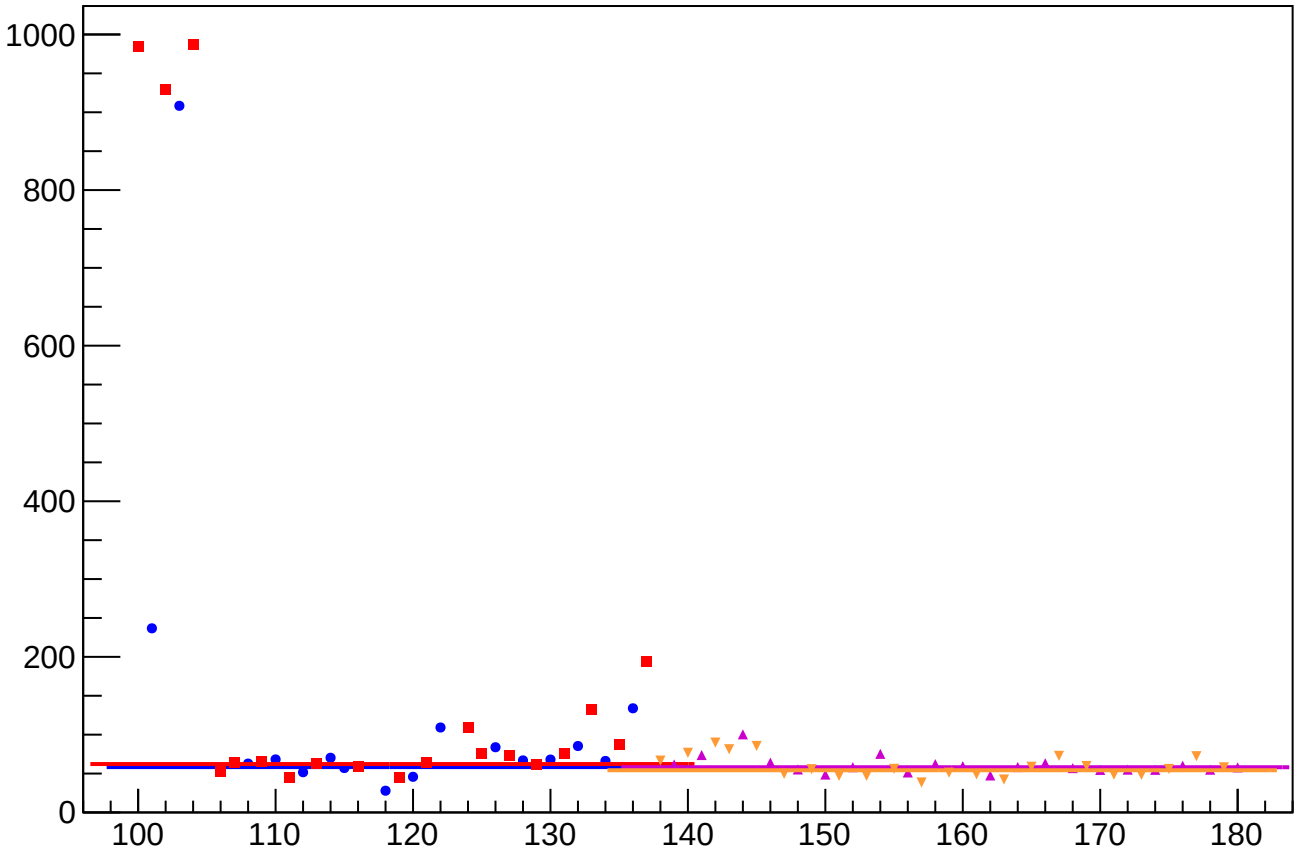
Left: -0.000+/-0.011 χ^2/NDF: 35.3/42

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.013 χ^2/NDF:30.1/36

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.001+/-0.009 χ^2/NDF: 72.2/77



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

Left: 56.108+/-0.008 χ^2/NDF: 1889129.3/42

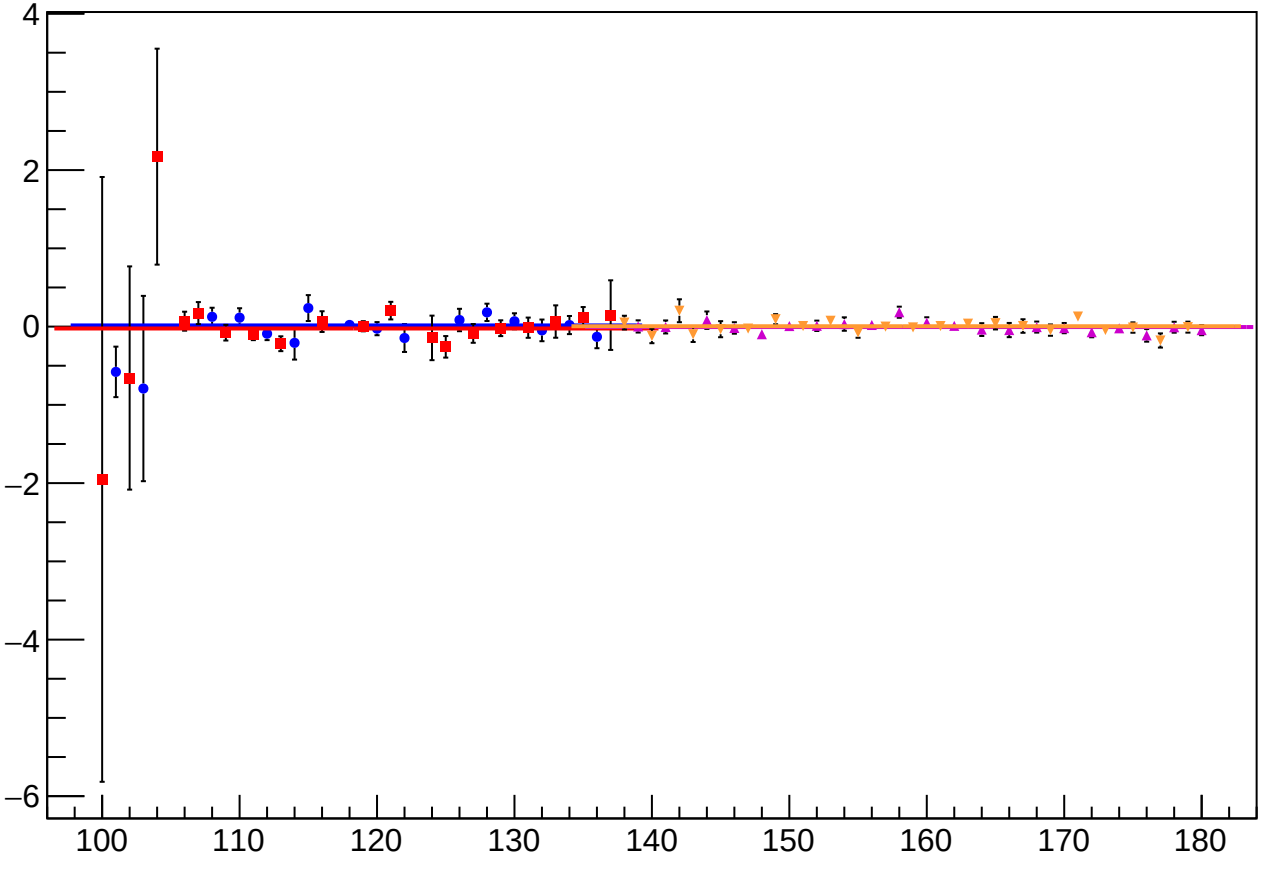
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.163+/-0.009 χ^2/NDF:3902399.2/36

Out: 55.979+/-0.009 χ^2/NDF:3935213.7/40

All: 57.038+/-0.007 χ^2/NDF: 7864896.6/77

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.006+/-0.015 χ^2/NDF:14.7/20

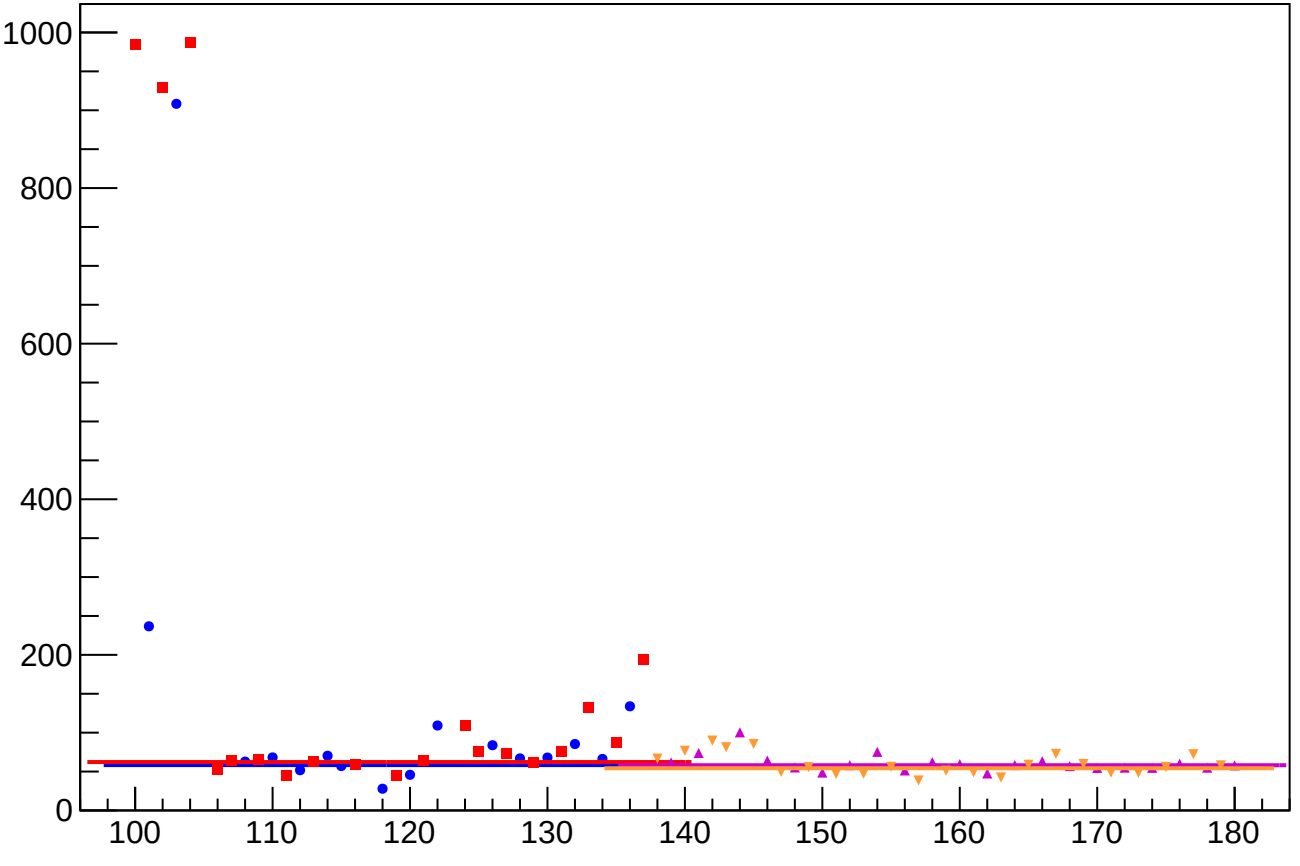
Left: -0.000+/-0.011 χ^2/NDF: 35.3/42

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.013 χ^2/NDF:30.1/36

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.001+/-0.009 χ^2/NDF: 72.2/77



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.117+/-0.011 χ^2/NDF:641919.2/20

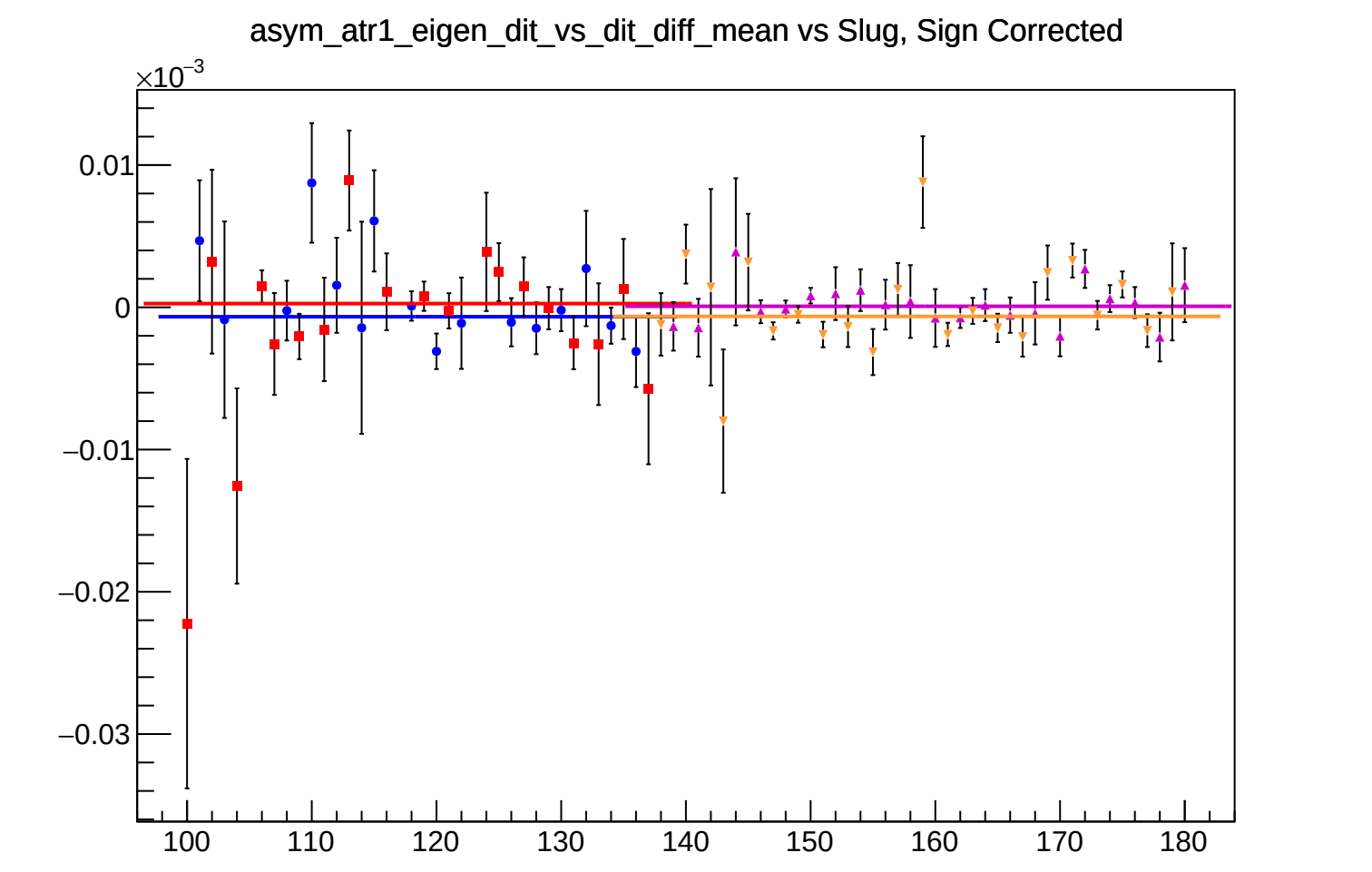
Left: 56.108+/-0.008 χ^2/NDF: 1889129.3/42

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.163+/-0.009 χ^2/NDF:3902399.2/36

Out: 55.979+/-0.009 χ^2/NDF:3935213.7/40

All: 57.038+/-0.007 χ^2/NDF: 7864896.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/20

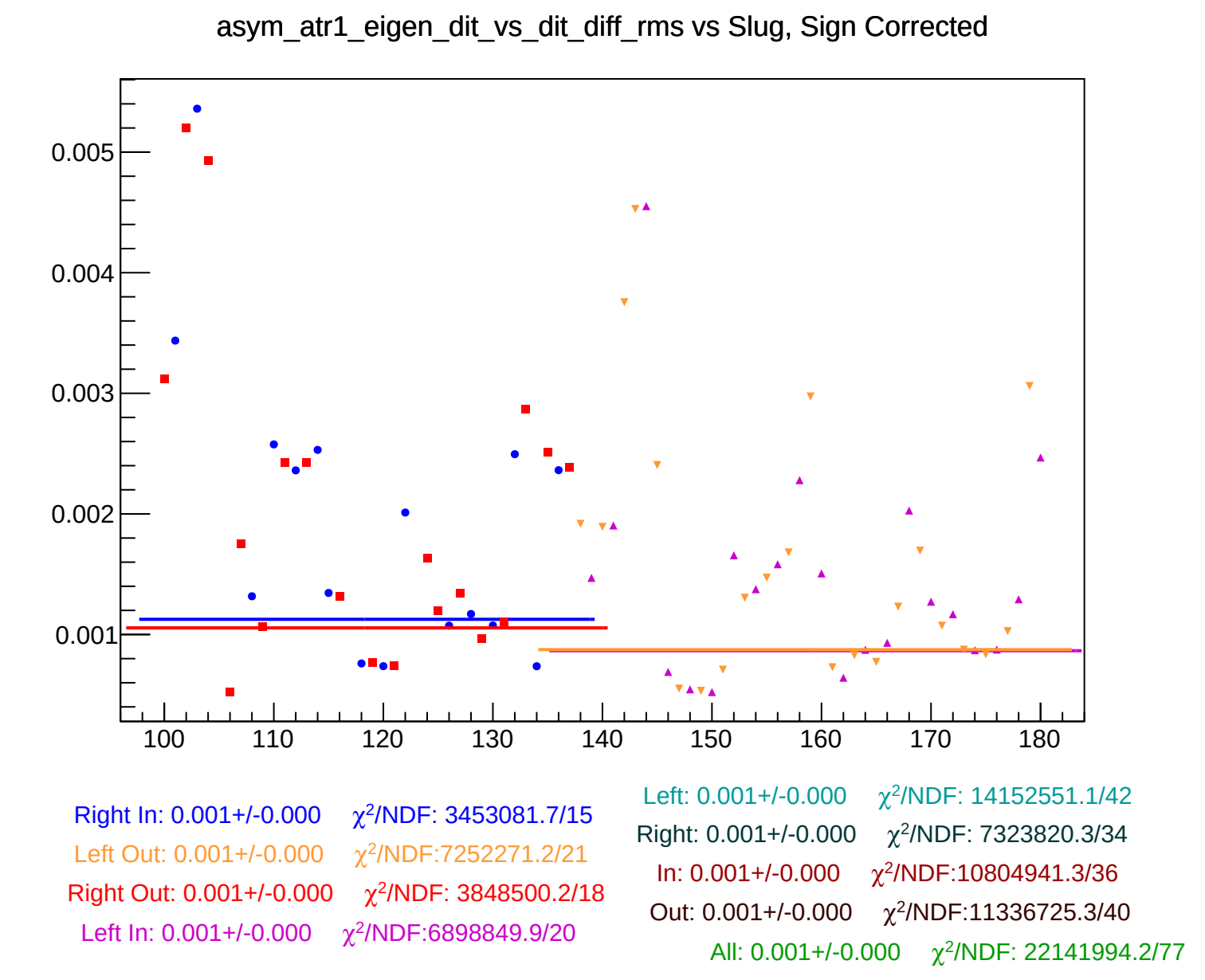
Left: -0.000+/-0.000 χ^2/NDF: 69.2/42

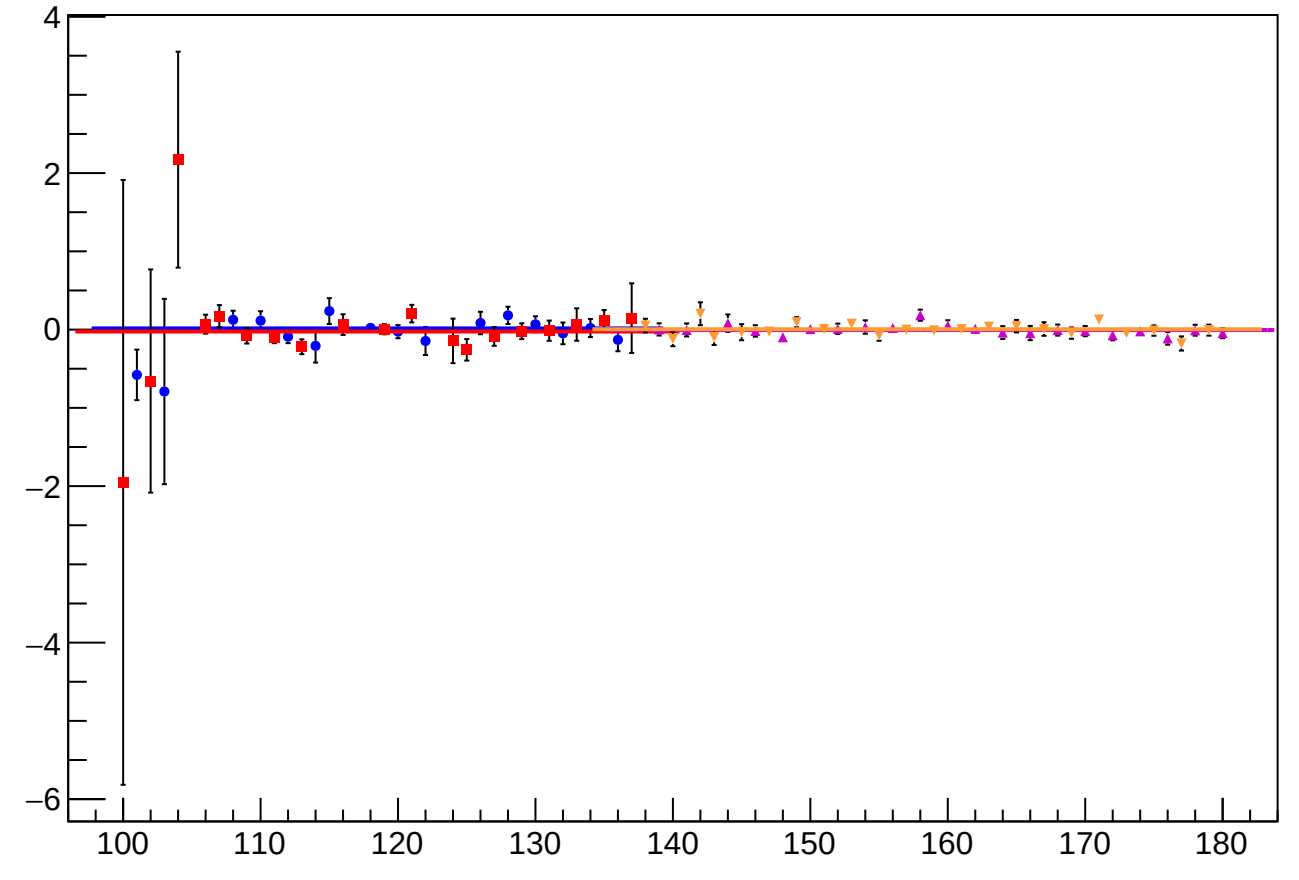
Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:33.9/36

Out: -0.000+/-0.000 χ^2/NDF:77.6/40

All: -0.000+/-0.000 χ^2/NDF: 113.0/77


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 3453081.7/15
Left Out: 0.001+/-0.000 χ²/NDF:7252271.2/21
Right Out: 0.001+/-0.000 χ²/NDF: 3848500.2/18
Left In: 0.001+/-0.000 χ²/NDF:6898849.9/20
Left: 0.001+/-0.000 χ²/NDF: 14152551.1/42
Right: 0.001+/-0.000 χ²/NDF: 7323820.3/34
In: 0.001+/-0.000 χ²/NDF:10804941.3/36
Out: 0.001+/-0.000 χ²/NDF:11336725.3/40
All: 0.001+/-0.000 χ²/NDF: 22141994.2/77



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.006+/-0.015 χ^2/NDF:14.7/20

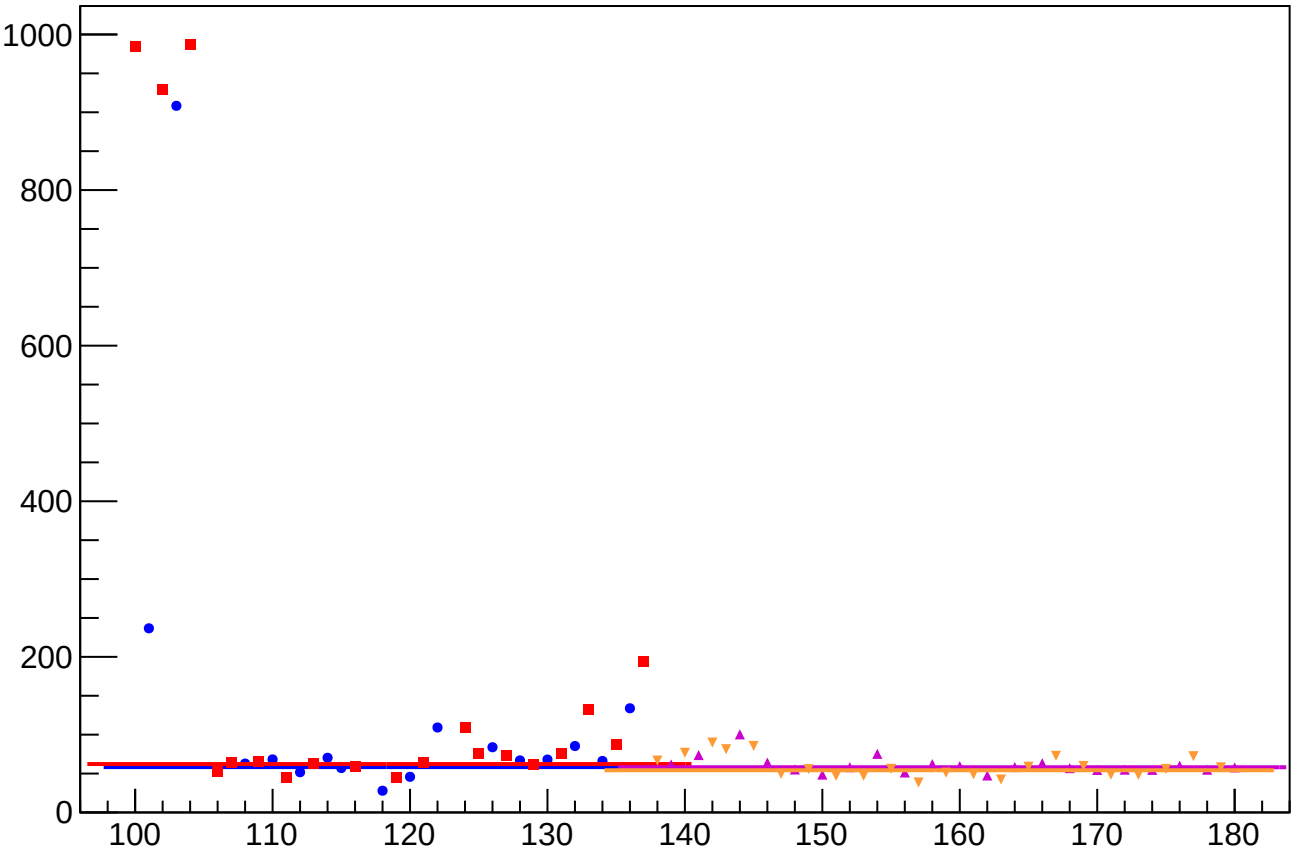
Left: -0.000+/-0.011 χ^2/NDF: 35.3/42

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.013 χ^2/NDF:30.1/36

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.001+/-0.009 χ^2/NDF: 72.2/77



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

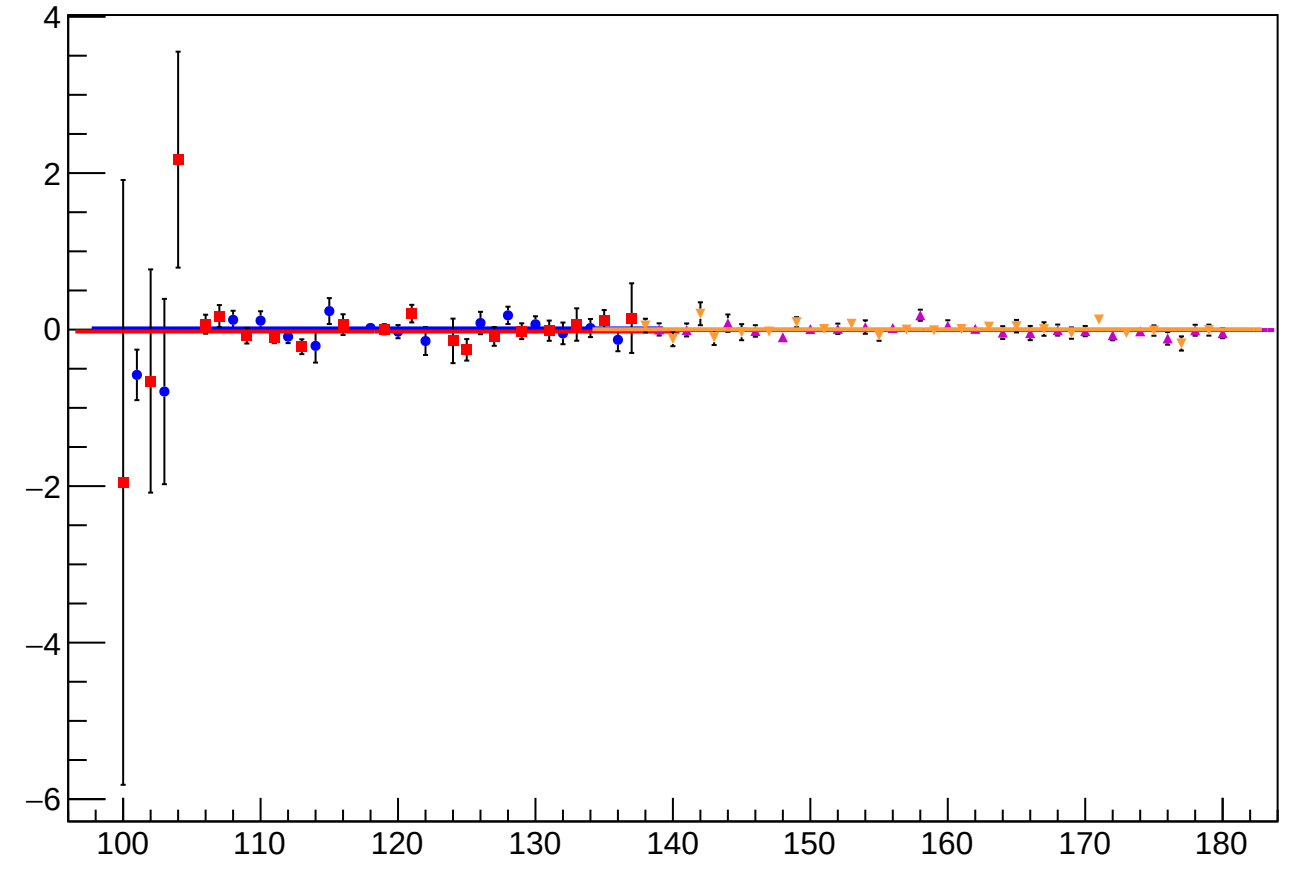
Left: 56.108+/-0.008 χ^2/NDF: 1889240.6/42

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.163+/-0.009 χ^2/NDF:3902501.9/36

Out: 55.978+/-0.009 χ^2/NDF:3935286.4/40

All: 57.038+/-0.007 χ^2/NDF: 7865078.0/77



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.006+/-0.015 χ^2/NDF:14.7/20

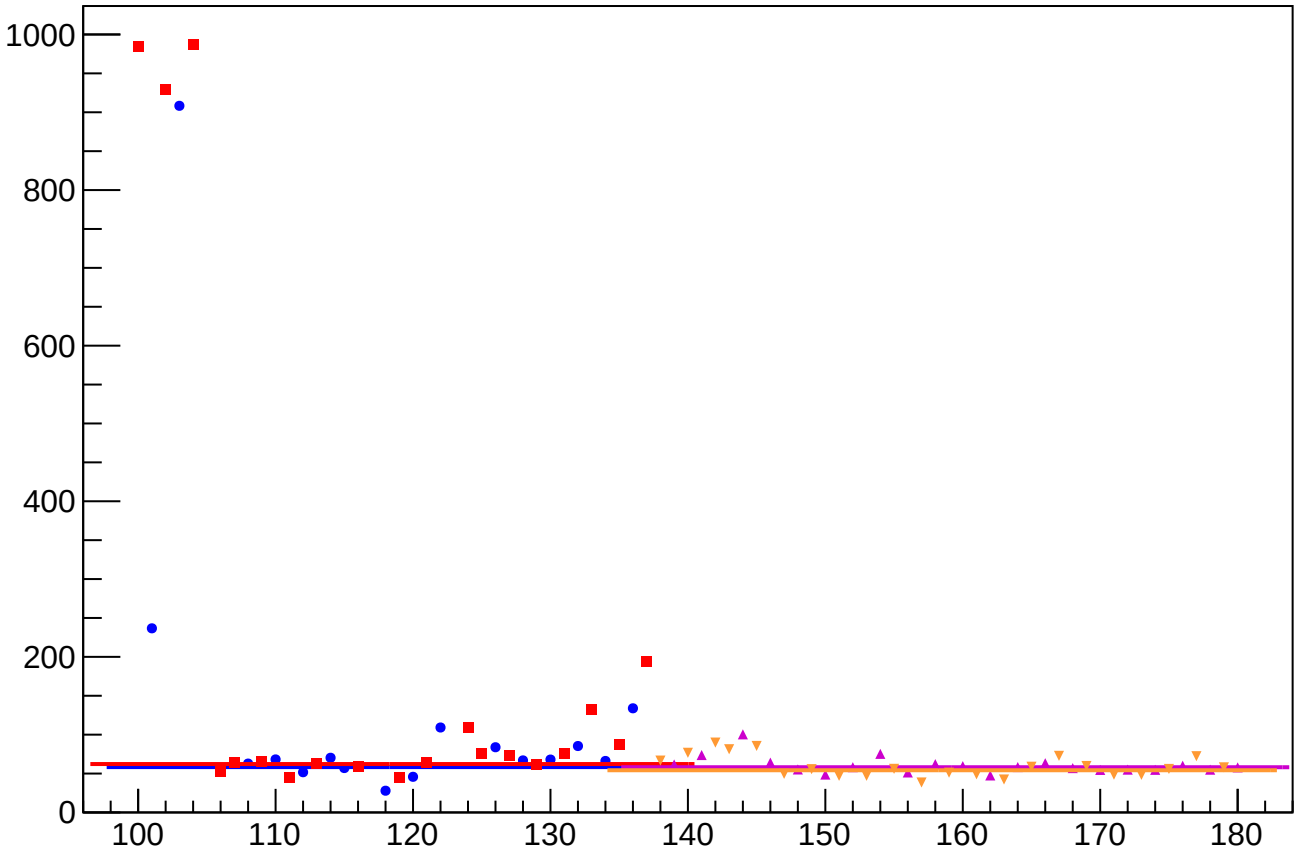
Left: -0.000+/-0.011 χ^2/NDF: 35.3/42

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.013 χ^2/NDF:30.1/36

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.001+/-0.009 χ^2/NDF: 72.2/77



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.117+/-0.011 χ^2/NDF:641942.6/20

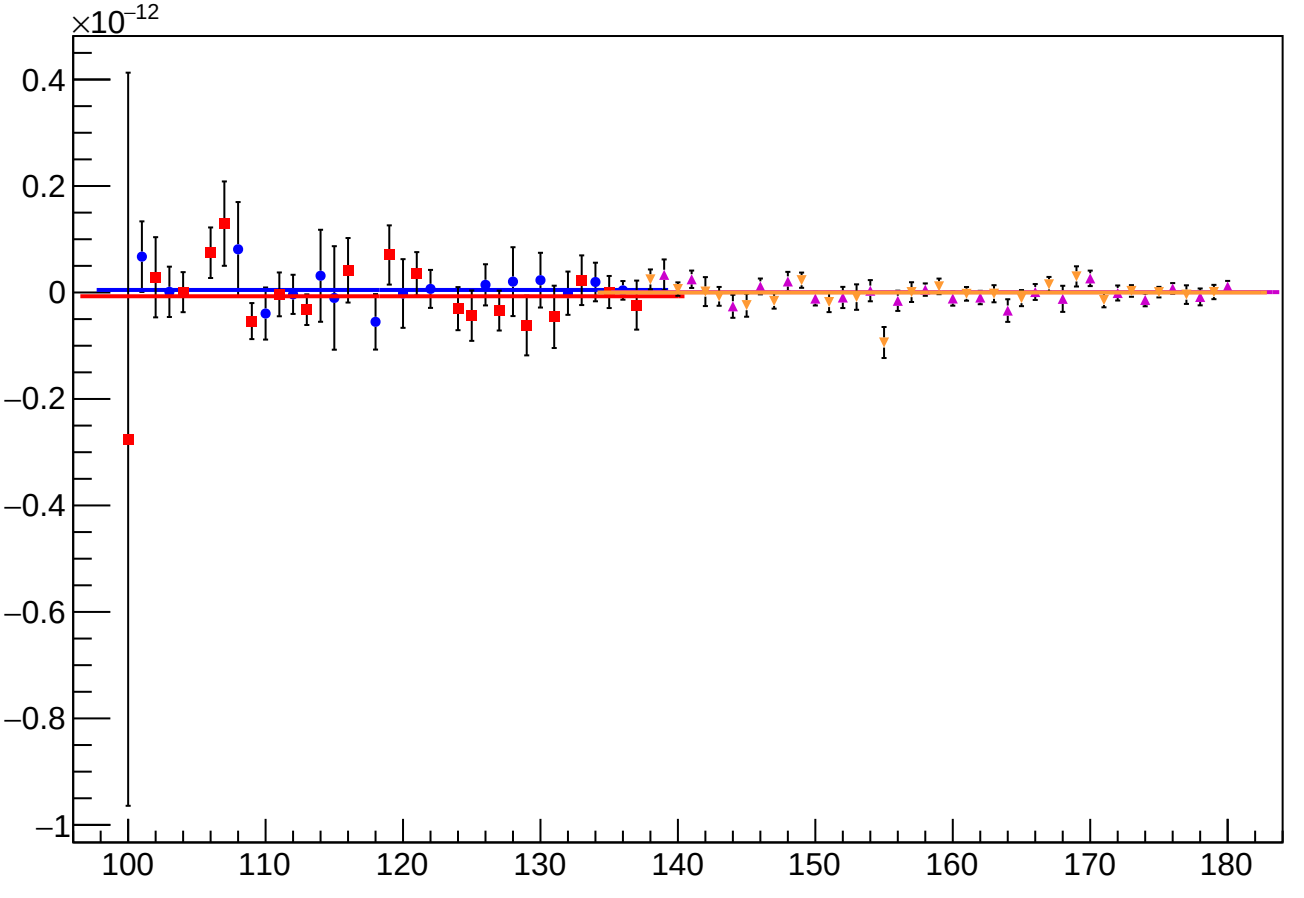
Left: 56.108+/-0.008 χ^2/NDF: 1889240.6/42

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.163+/-0.009 χ^2/NDF:3902501.9/36

Out: 55.978+/-0.009 χ^2/NDF:3935286.4/40

All: 57.038+/-0.007 χ^2/NDF: 7865078.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/20

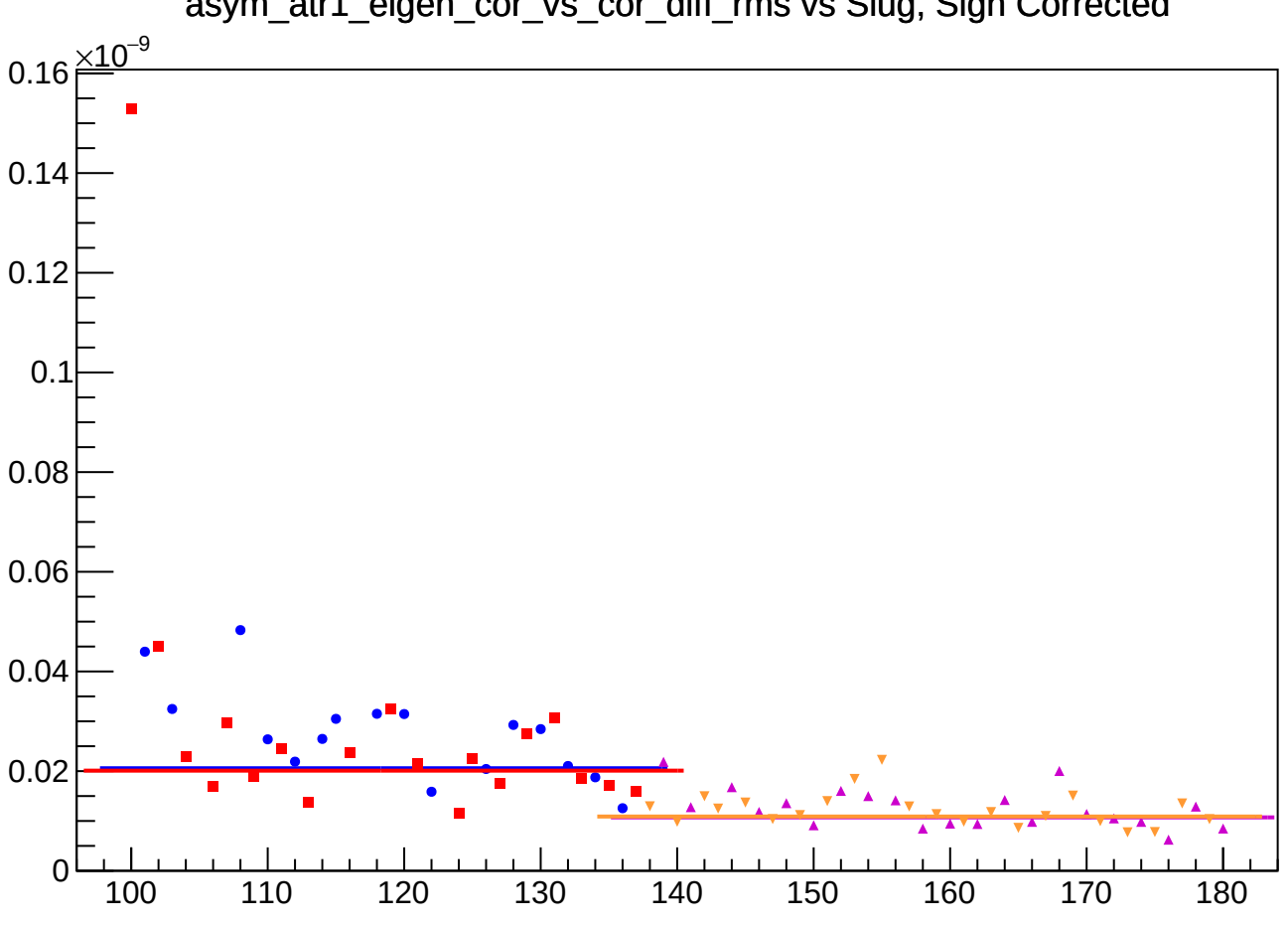
Left: 0.000+/-0.000 χ^2/NDF: 44.2/42

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:24.1/36

Out: -0.000+/-0.000 χ^2/NDF:41.2/40

All: 0.000+/-0.000 χ^2/NDF: 65.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303648.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1879876.5/20

Left: 0.000+/-0.000 χ^2/NDF: 3186375.5/42

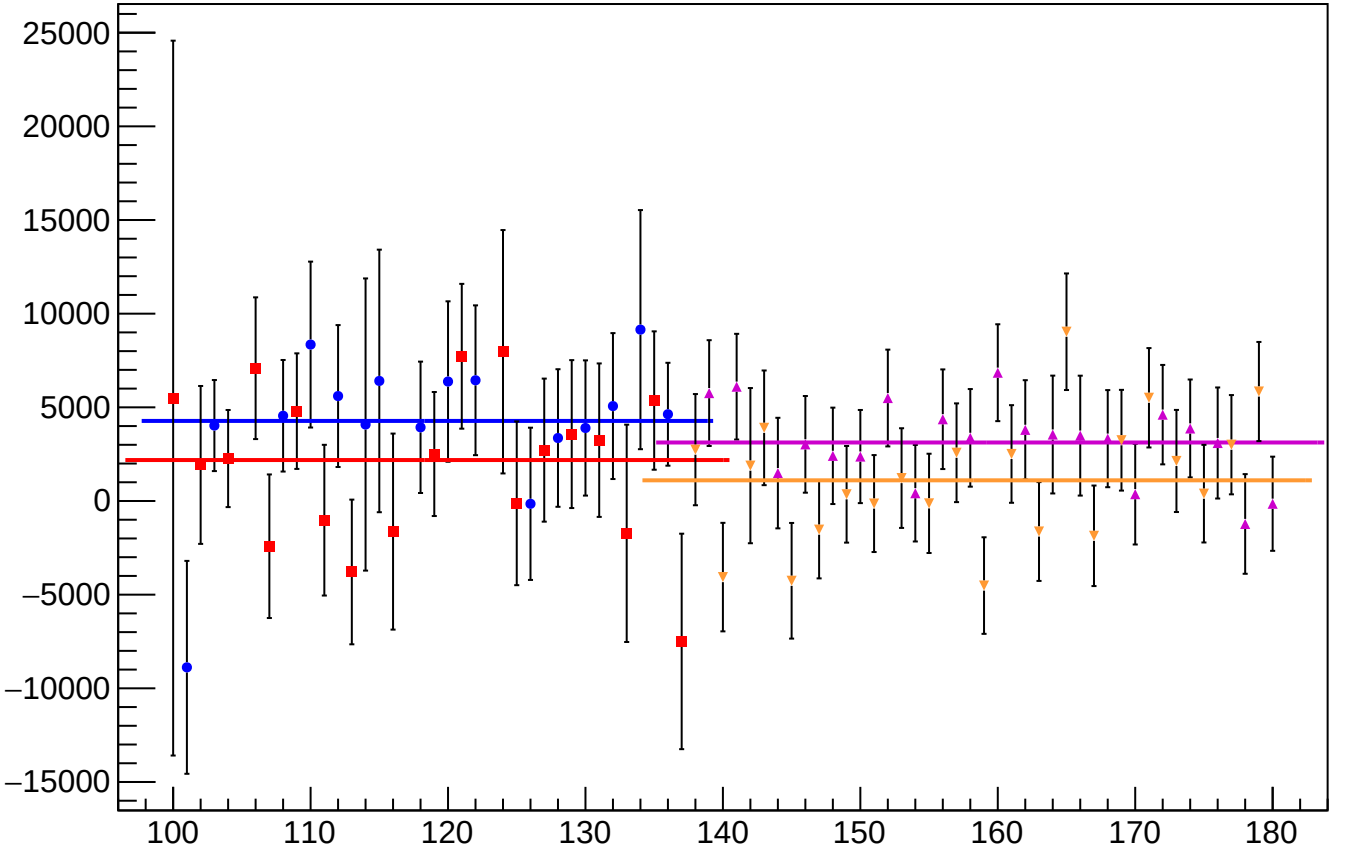
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:4881392.8/36

Out: 0.000+/-0.000 χ^2/NDF:3614223.4/40

All: 0.000+/-0.000 χ^2/NDF: 8498011.0/77

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.624+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3123.076+/-587.451 χ^2/NDF:12.6/20

Left: 2111.386+/-414.986 χ^2/NDF: 49.0/42

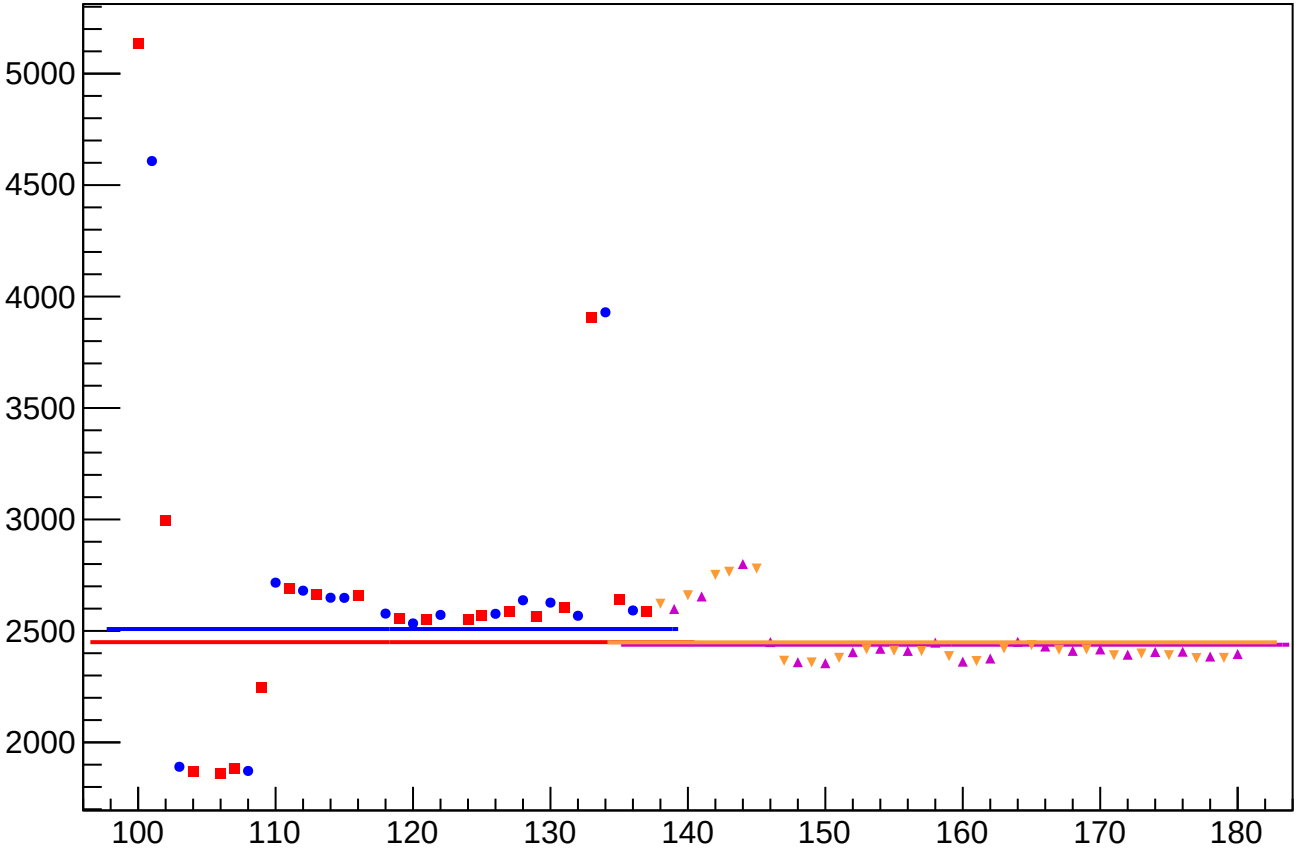
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3440.596+/-499.925 χ^2/NDF:22.6/36

Out: 1415.313+/-494.764 χ^2/NDF:46.2/40

All: 2417.447+/-351.661 χ^2/NDF: 77.1/77

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

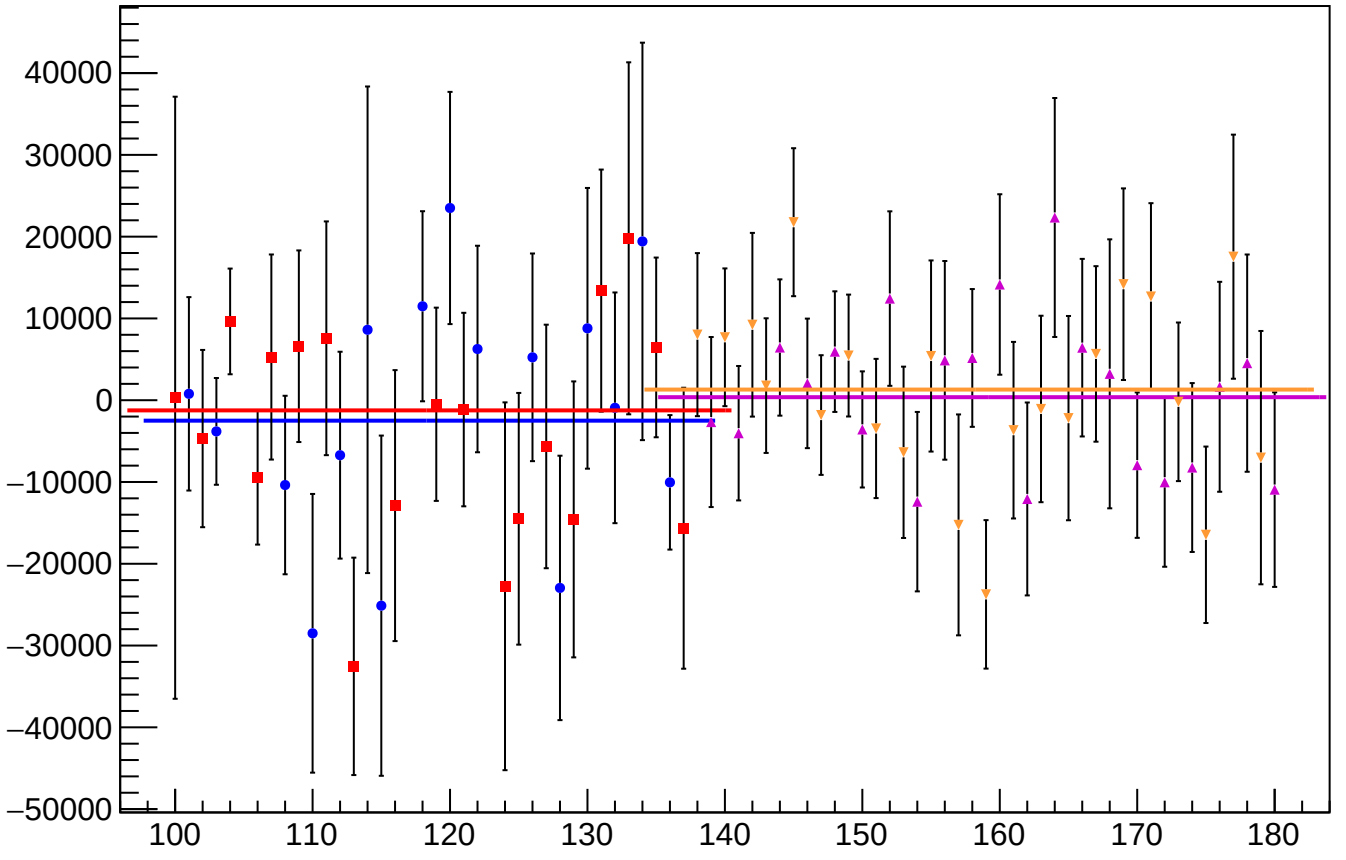
Left: 2443.448+/-0.293 χ^2/NDF: 148034.7/42

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2457.503+/-0.354 χ^2/NDF:678252.2/36

Out: 2449.023+/-0.350 χ^2/NDF:525857.8/40

All: 2453.219+/-0.249 χ^2/NDF: 1204400.7/77



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1300.731+/-2142.741 χ^2/NDF:24.1/21

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 370.306+/-2166.587 χ^2/NDF:13.8/20

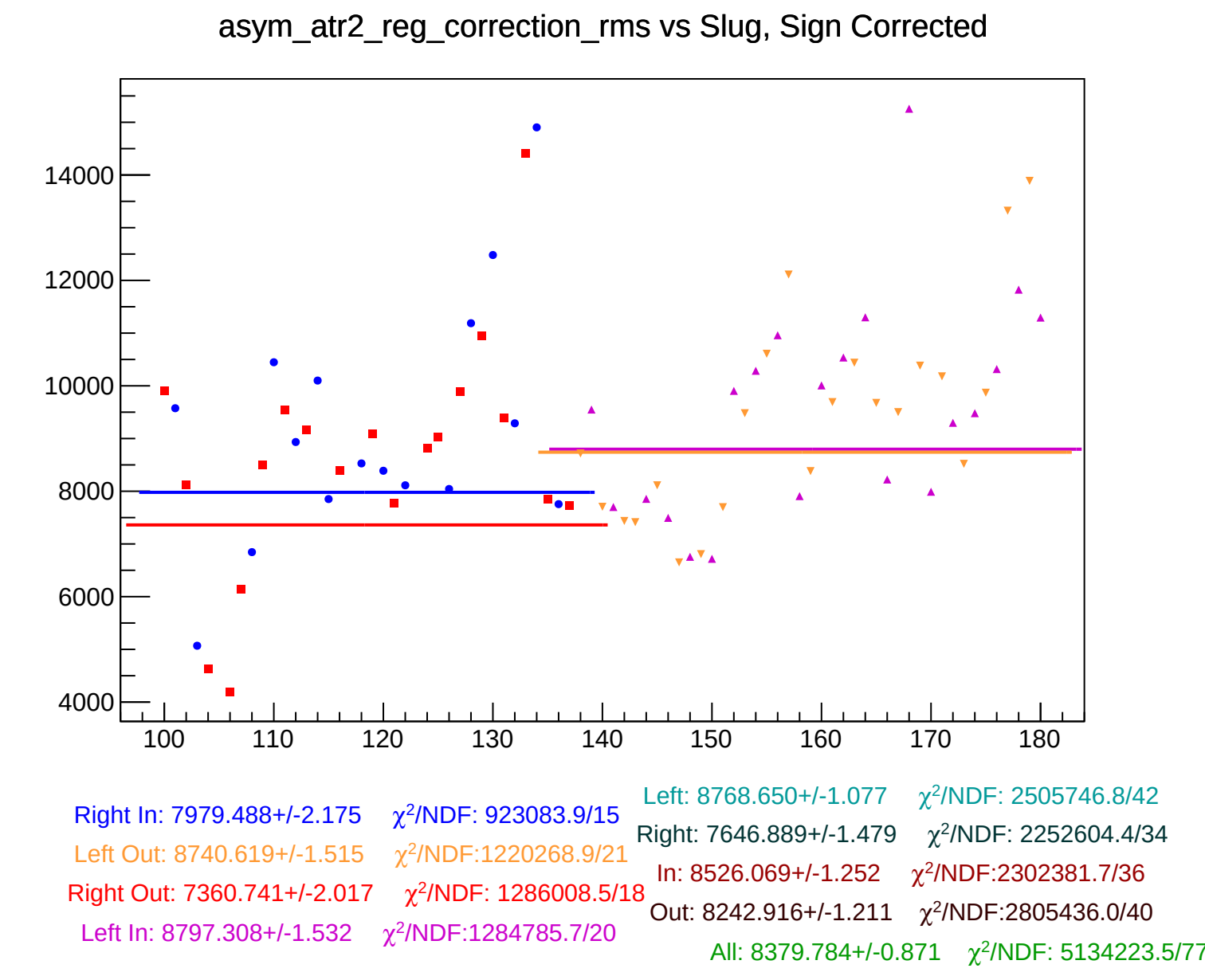
Left: 840.667+/-1523.508 χ^2/NDF: 38.0/42

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

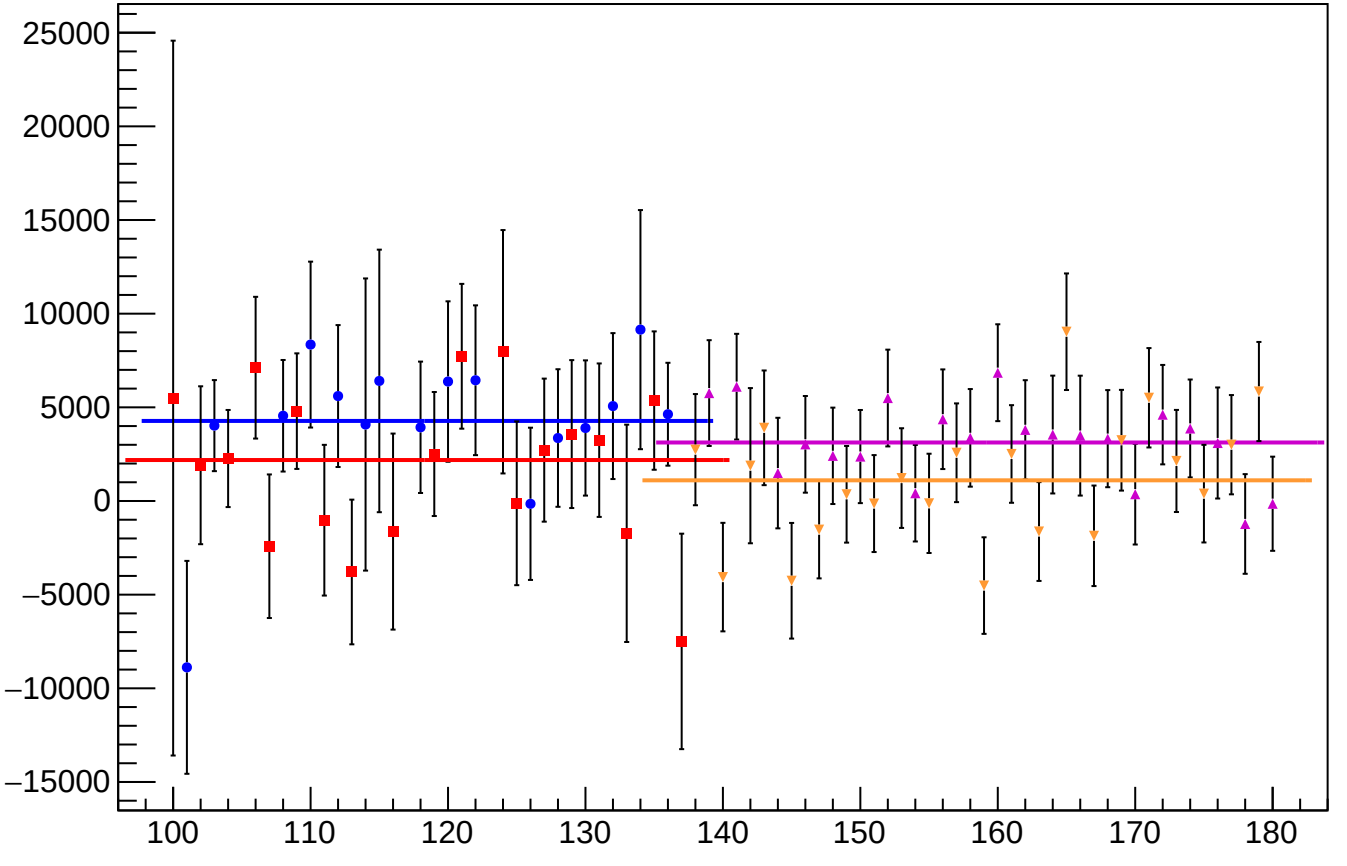
In: -581.863+/-1771.228 χ^2/NDF:28.1/36

Out: 382.755+/-1713.274 χ^2/NDF:41.2/40

All: -83.515+/-1231.446 χ^2/NDF: 69.5/77


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8740.619+/-1.515 χ²/NDF:1220268.9/21
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8797.308+/-1.532 χ²/NDF:1284785.7/20
Left: 8768.650+/-1.077 χ²/NDF: 2505746.8/42
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8526.069+/-1.252 χ²/NDF:2302381.7/36
Out: 8242.916+/-1.211 χ²/NDF:2805436.0/40
All: 8379.784+/-0.871 χ²/NDF: 5134223.5/77

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3122.915+/-587.451 χ^2/NDF:12.6/20

Left: 2111.237+/-414.986 χ^2/NDF: 49.0/42

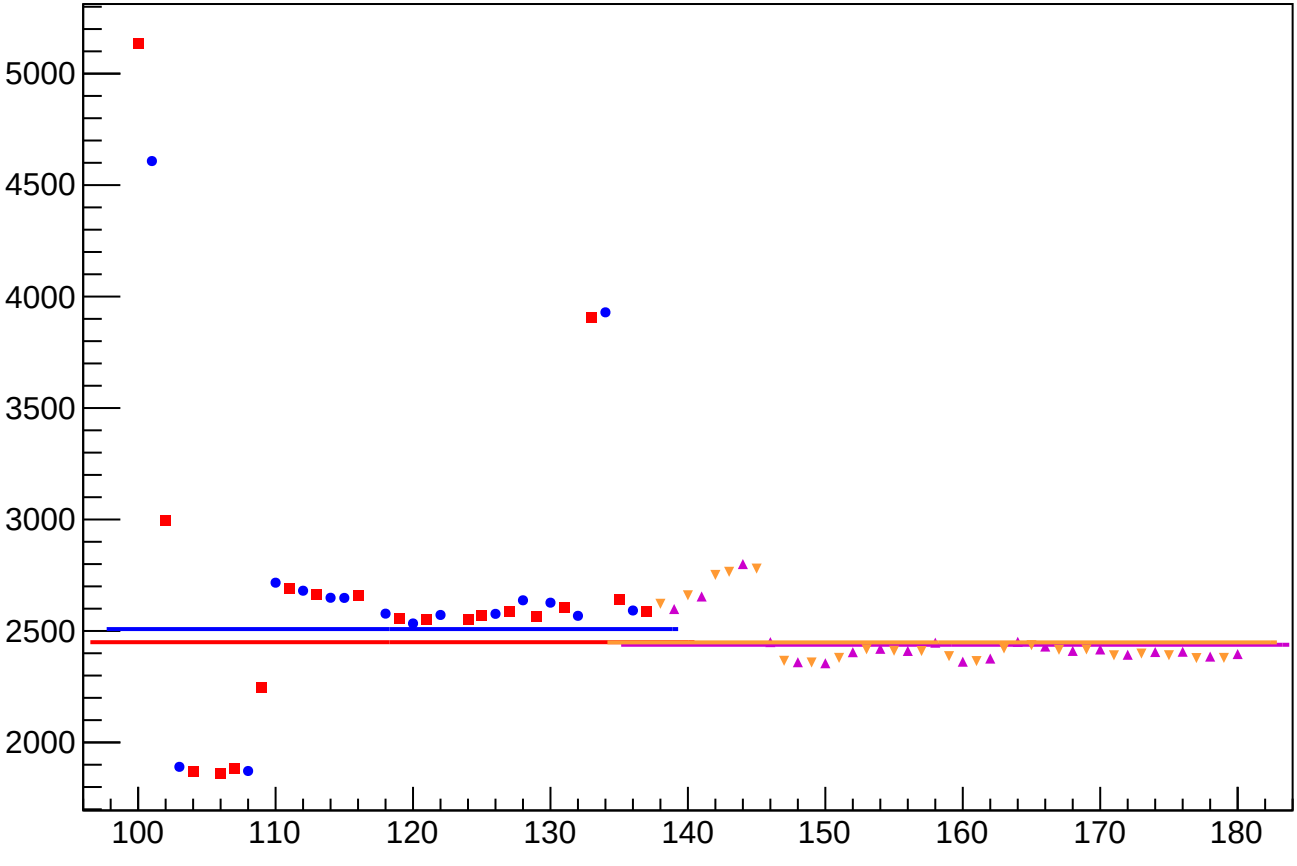
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3440.344+/-499.925 χ^2/NDF:22.6/36

Out: 1415.392+/-494.765 χ^2/NDF:46.2/40

All: 2417.365+/-351.662 χ^2/NDF: 77.1/77

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

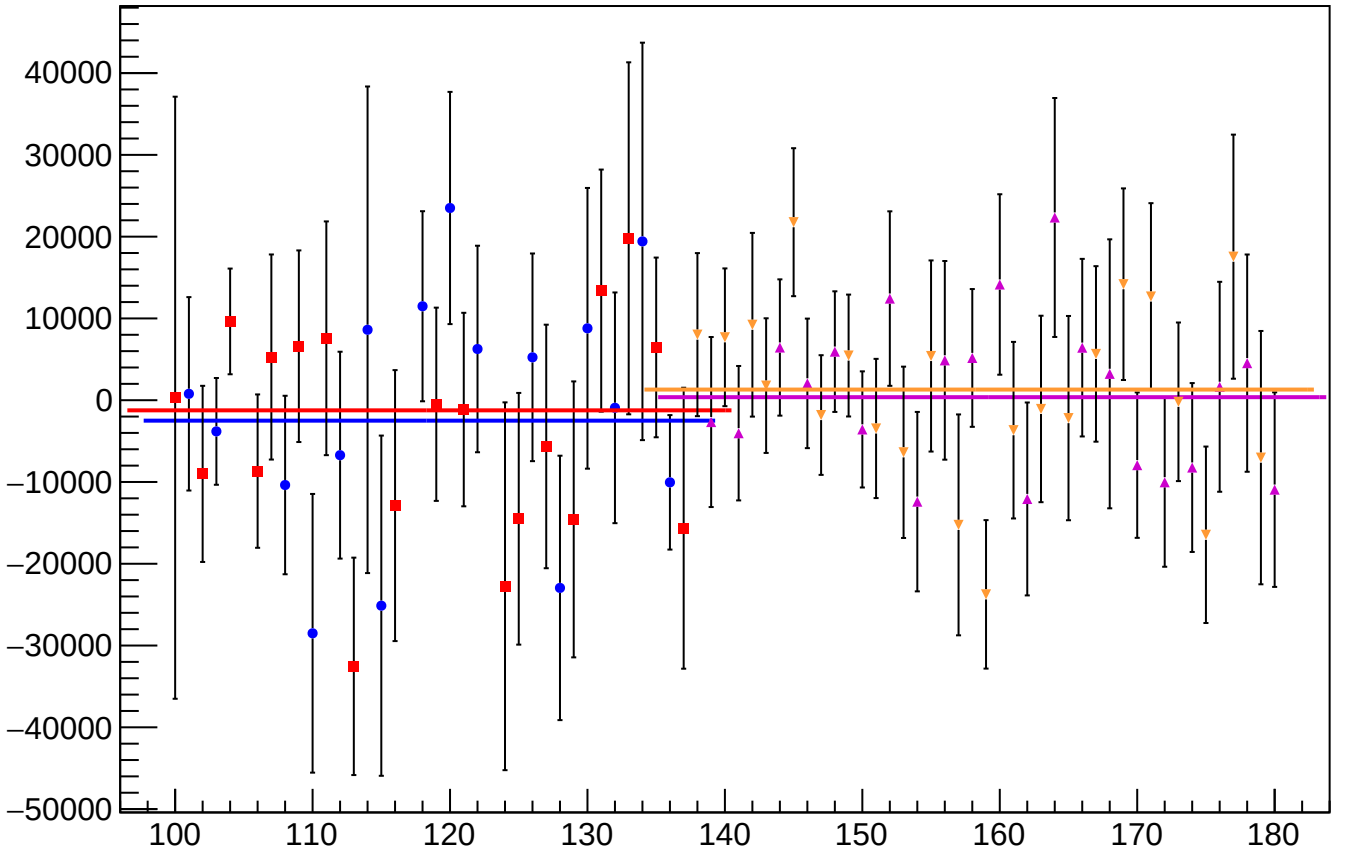
Left: 2443.448+/-0.293 χ^2/NDF: 148034.7/42

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2457.504+/-0.354 χ^2/NDF:678250.3/36

Out: 2449.030+/-0.350 χ^2/NDF:525803.4/40

All: 2453.223+/-0.249 χ^2/NDF: 1204344.0/77



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 370.277+/-2166.586 χ^2/NDF:13.8/20

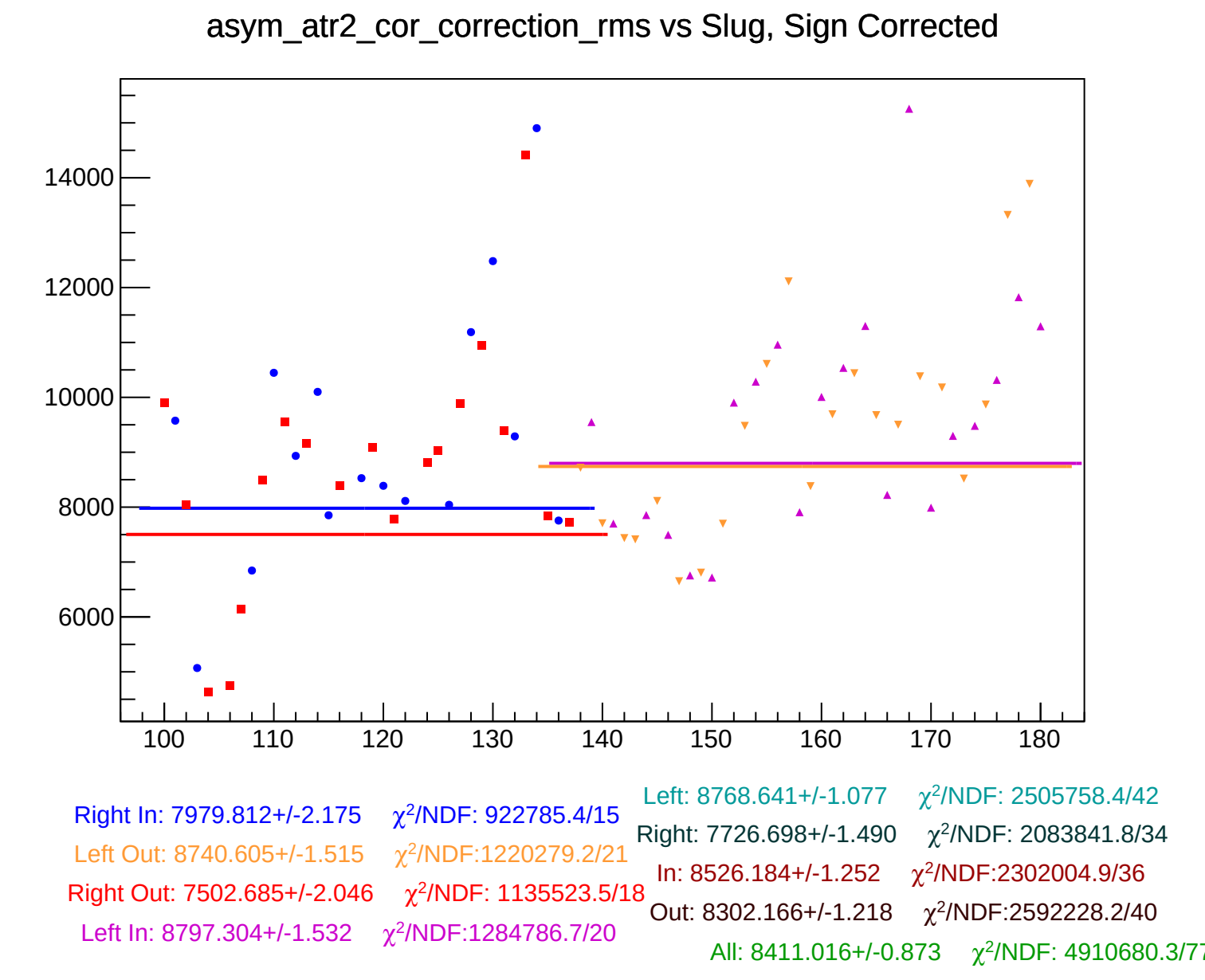
Left: 840.656+/-1523.506 χ^2/NDF: 38.0/42

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -581.772+/-1771.244 χ^2/NDF:28.1/36

Out: 400.910+/-1721.975 χ^2/NDF:41.3/40

All: -76.574+/-1234.671 χ^2/NDF: 69.5/77


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
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8000
6000
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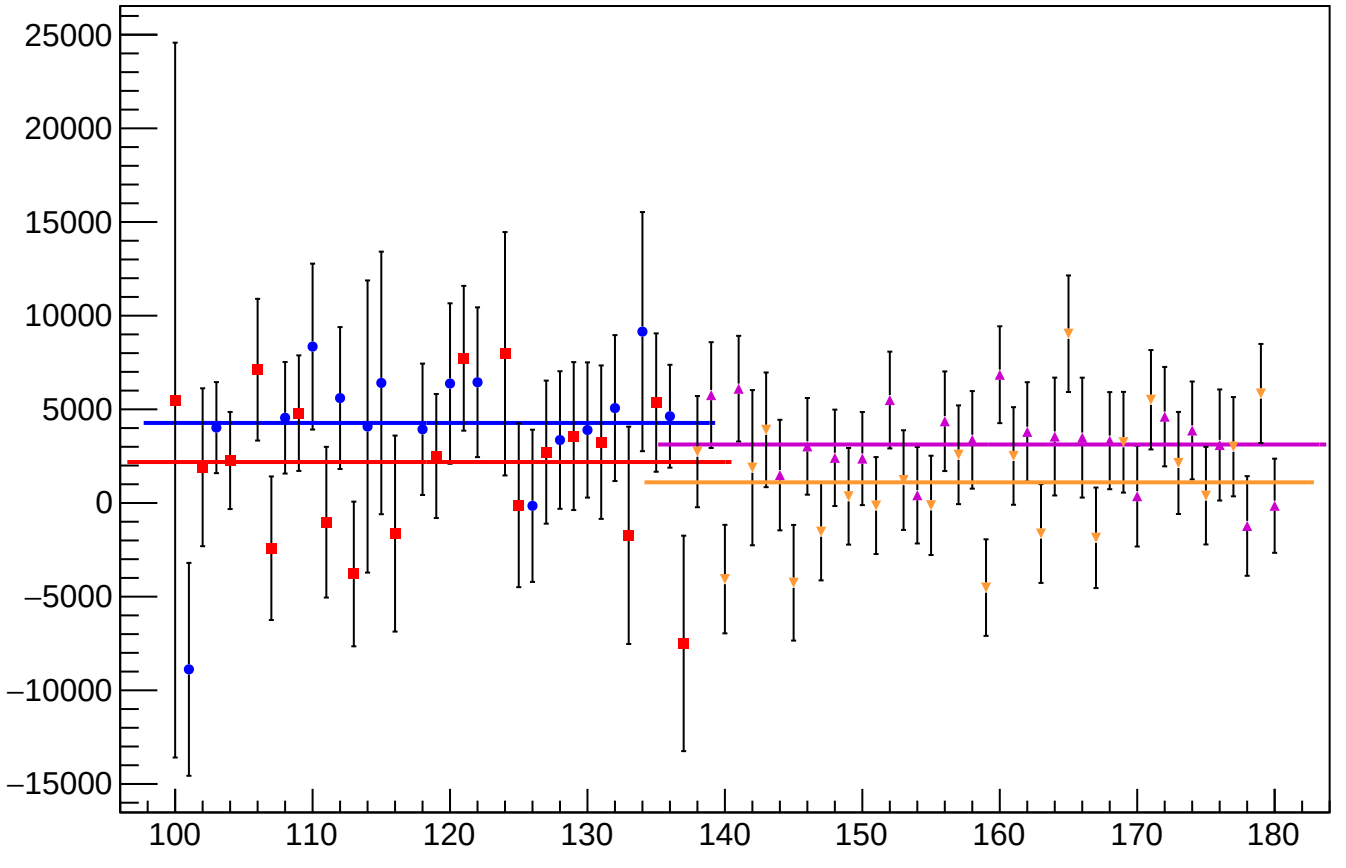
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8740.605+/-1.515 χ²/NDF:1220279.2/21
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8797.304+/-1.532 χ²/NDF:1284786.7/20
Left: 8768.641+/-1.077 χ²/NDF: 2505758.4/42
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8526.184+/-1.252 χ²/NDF:2302004.9/36
Out: 8302.166+/-1.218 χ²/NDF:2592228.2/40
All: 8411.016+/-0.873 χ²/NDF: 4910680.3/77



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3122.915+/-587.451 χ^2/NDF:12.6/20

Left: 2111.237+/-414.986 χ^2/NDF: 49.0/42

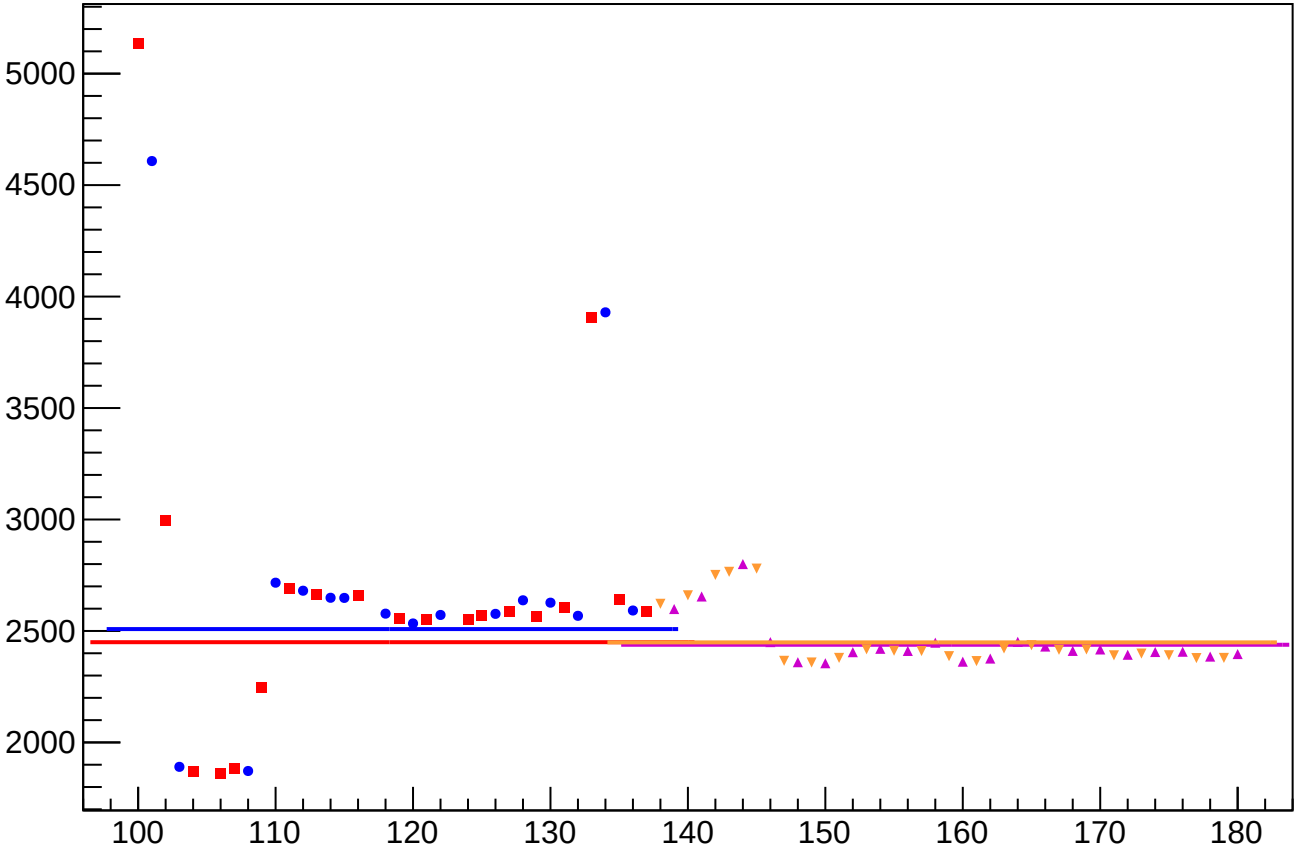
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3440.344+/-499.925 χ^2/NDF:22.6/36

Out: 1415.392+/-494.765 χ^2/NDF:46.2/40

All: 2417.365+/-351.662 χ^2/NDF: 77.1/77

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2438.096+/-0.415 χ^2/NDF:58747.7/20

Left: 2443.448+/-0.293 χ^2/NDF: 148034.7/42

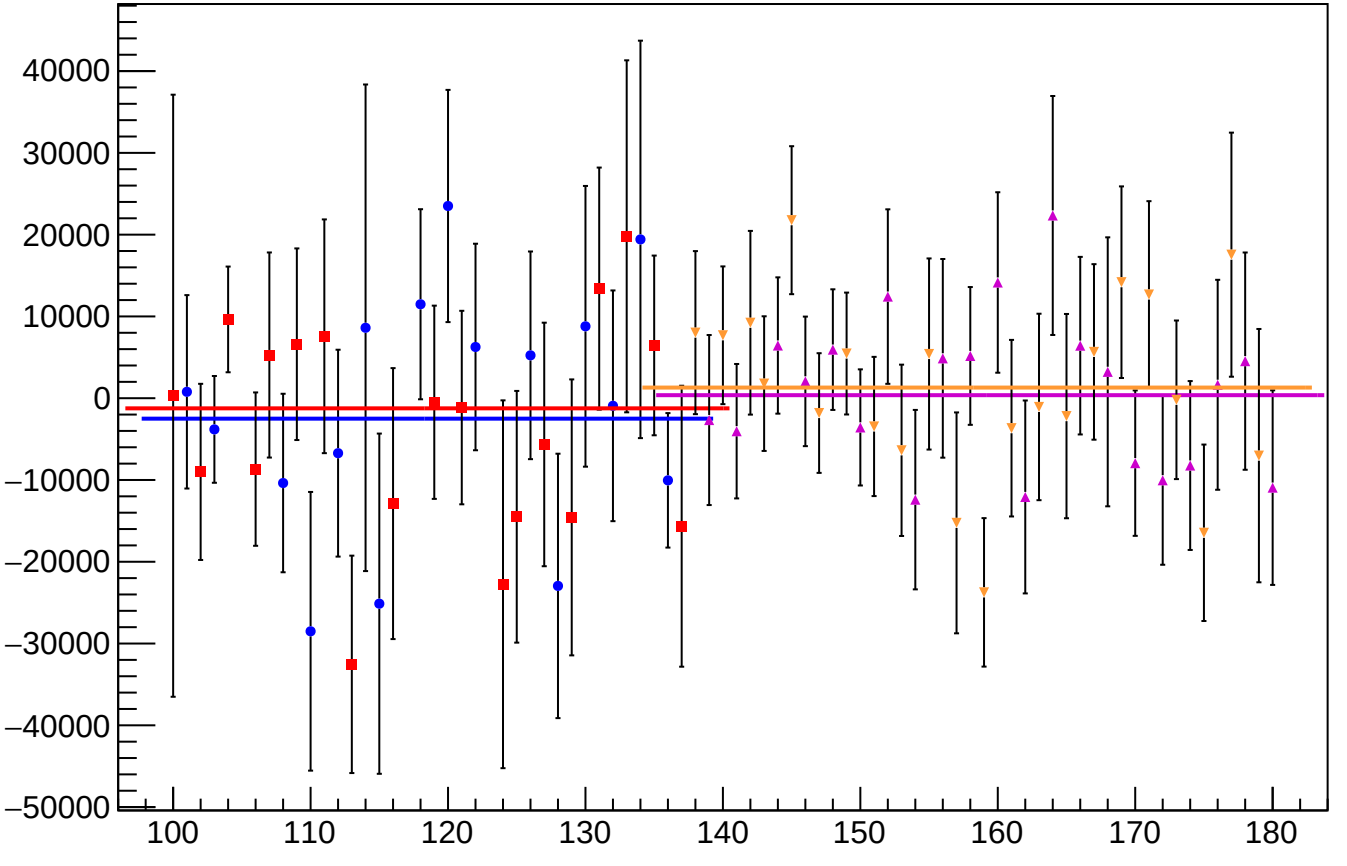
Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2457.504+/-0.354 χ^2/NDF:678250.3/36

Out: 2449.030+/-0.350 χ^2/NDF:525803.4/40

All: 2453.223+/-0.249 χ^2/NDF: 1204344.0/77

asym_atr2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 370.277+/-2166.586 χ^2/NDF:13.8/20

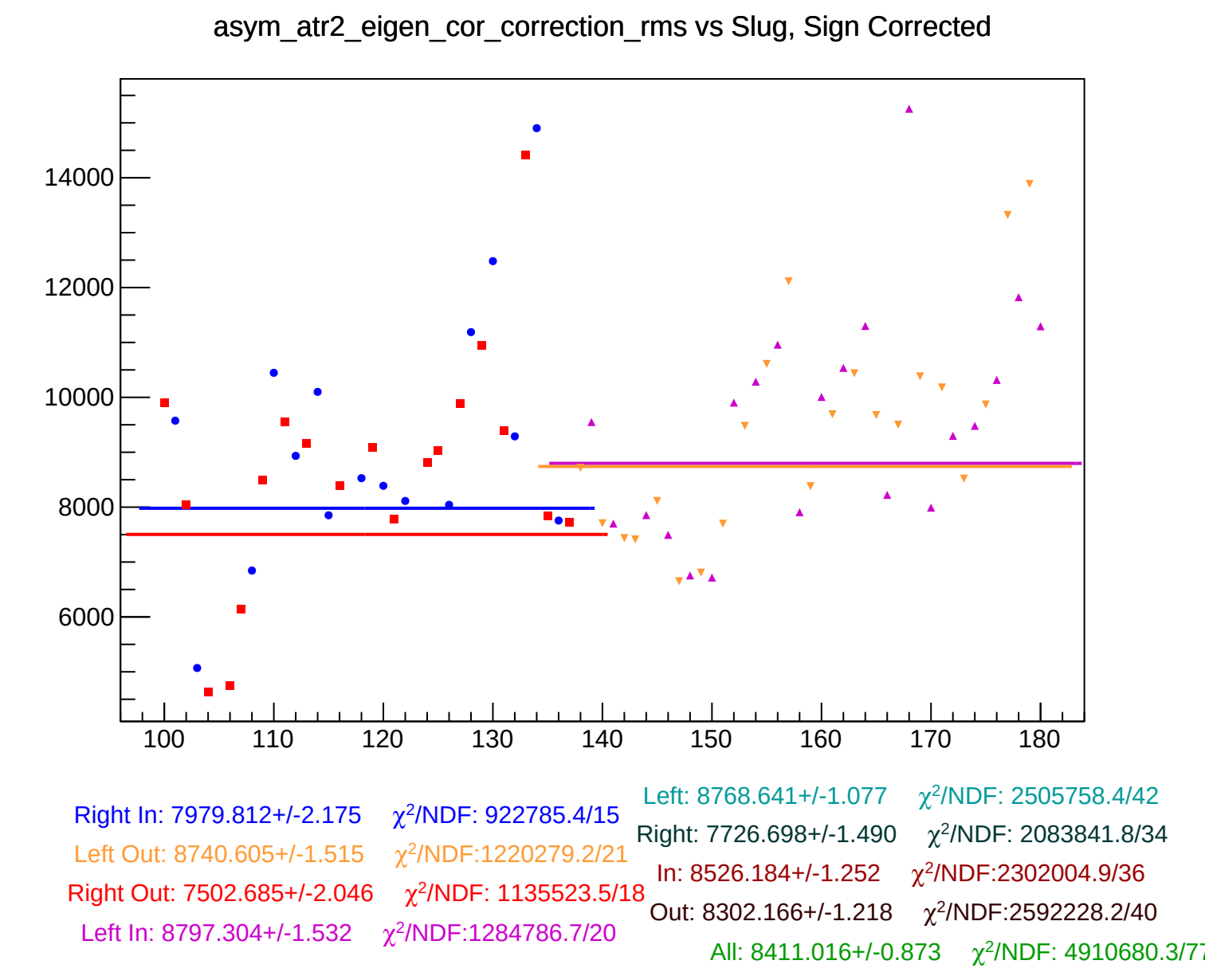
Left: 840.656+/-1523.506 χ^2/NDF: 38.0/42

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -581.772+/-1771.244 χ^2/NDF:28.1/36

Out: 400.910+/-1721.975 χ^2/NDF:41.3/40

All: -76.574+/-1234.671 χ^2/NDF: 69.5/77


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
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160
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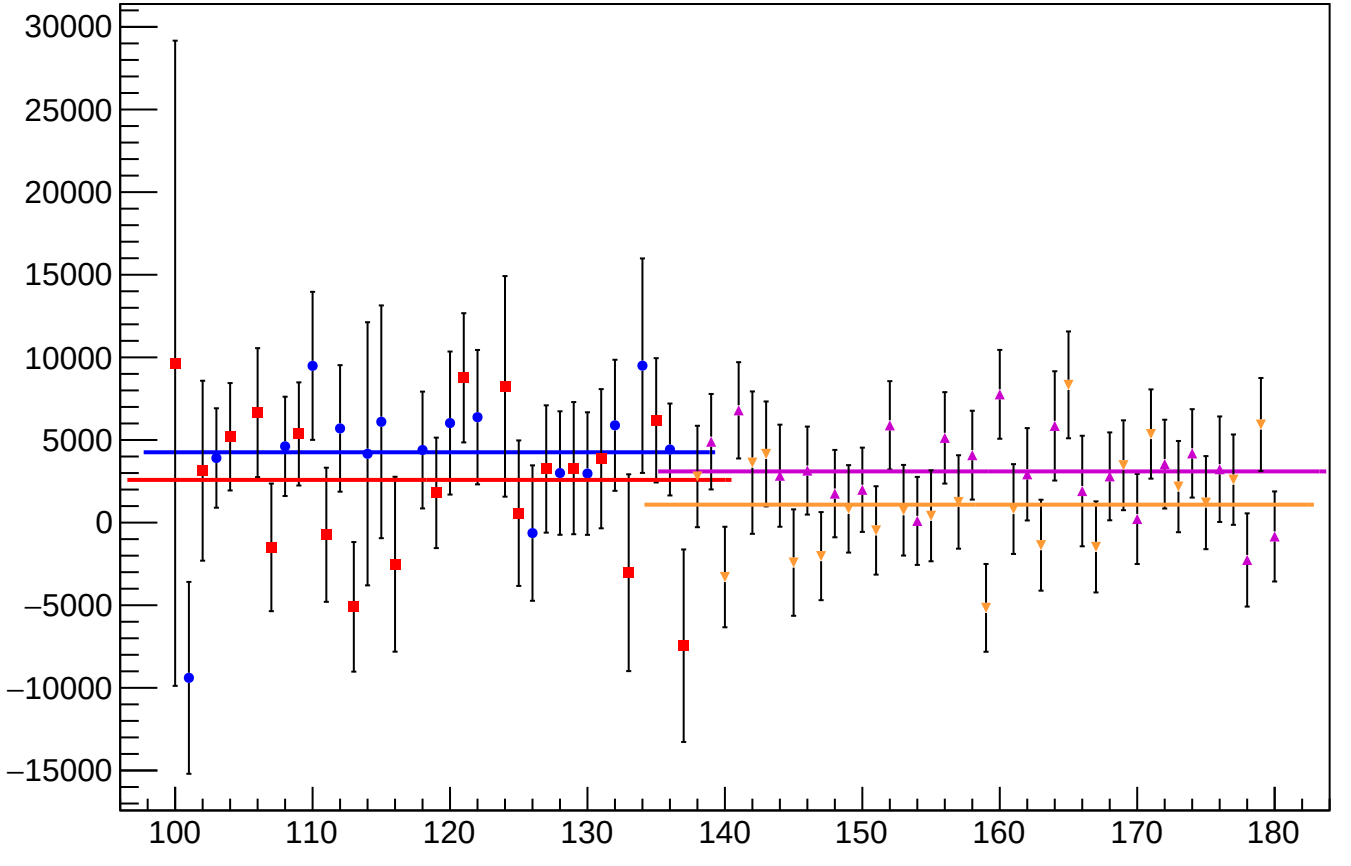
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8740.605+/-1.515 χ²/NDF:1220279.2/21
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8797.304+/-1.532 χ²/NDF:1284786.7/20
Left: 8768.641+/-1.077 χ²/NDF: 2505758.4/42
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8526.184+/-1.252 χ²/NDF:2302004.9/36
Out: 8302.166+/-1.218 χ²/NDF:2592228.2/40
All: 8411.016+/-0.873 χ²/NDF: 4910680.3/77

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1085.515+/-608.240 χ^2/NDF:25.6/21

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3098.488+/-609.745 χ^2/NDF:16.3/20

Left: 2089.514+/-430.622 χ^2/NDF: 47.4/42

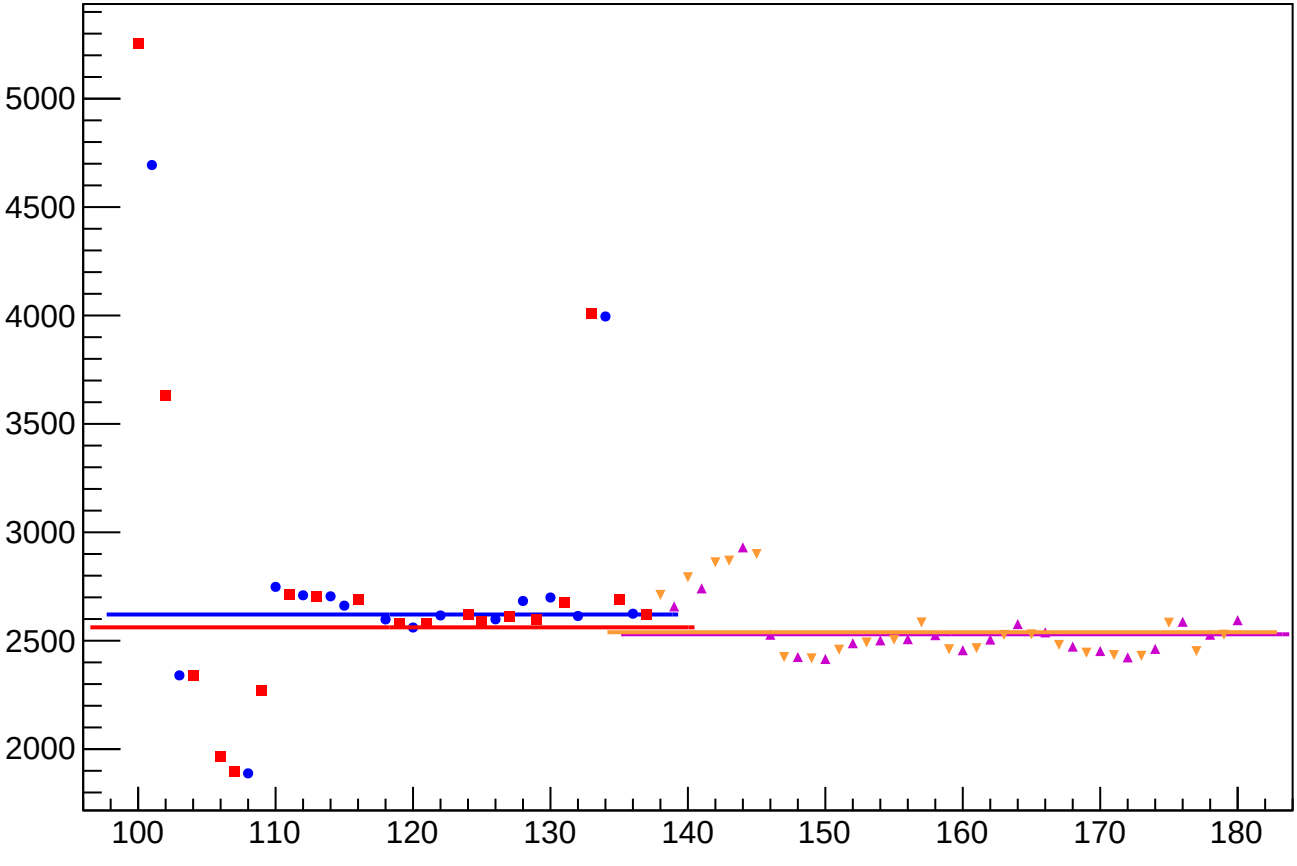
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3416.836+/-519.252 χ^2/NDF:27.4/36

Out: 1511.103+/-514.716 χ^2/NDF:44.9/40

All: 2455.609+/-365.552 χ^2/NDF: 79.1/77

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.175+/-0.430 χ^2/NDF:104435.3/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2529.616+/-0.431 χ^2/NDF:66950.5/20

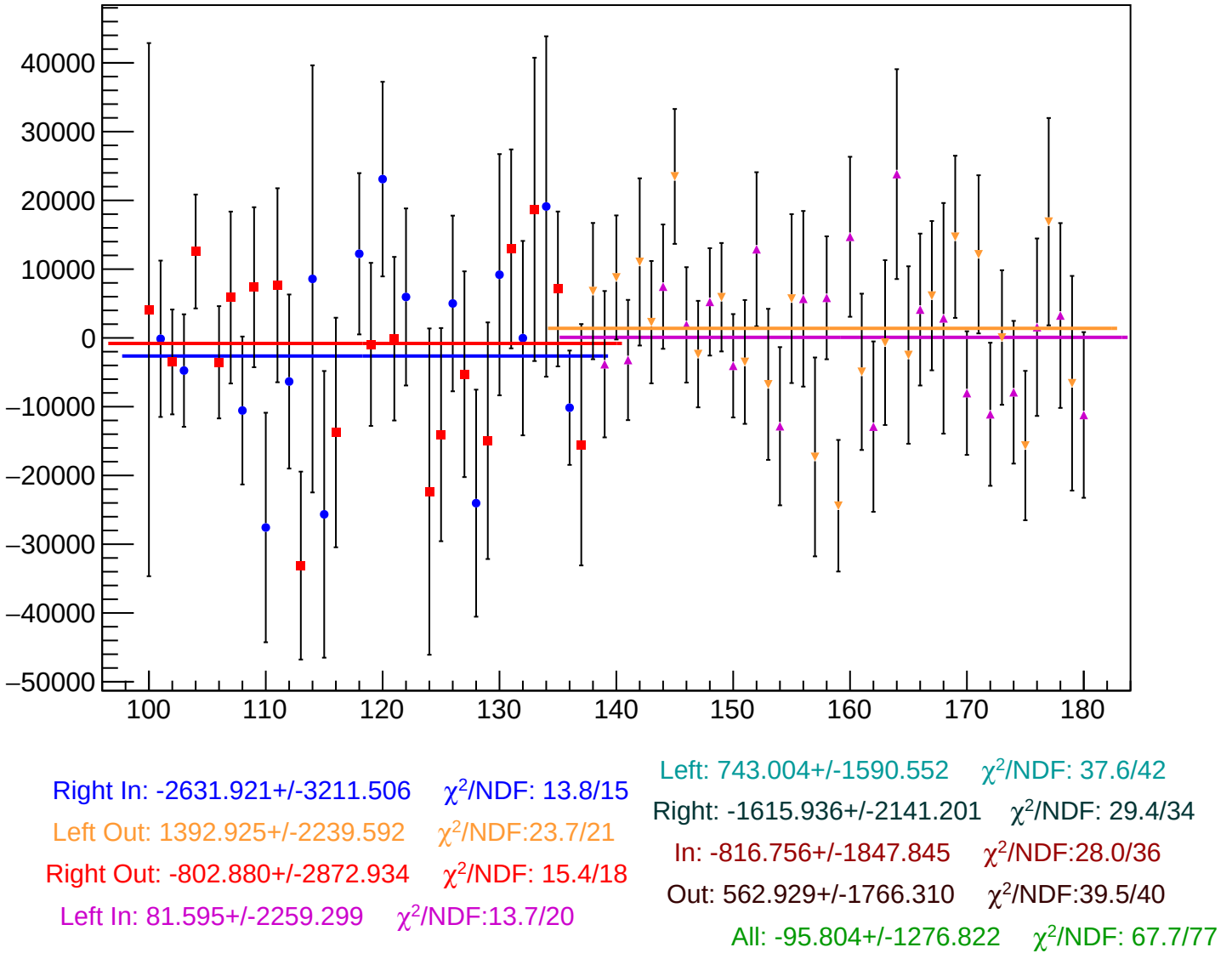
Left: 2534.408+/-0.304 χ^2/NDF: 171632.2/42

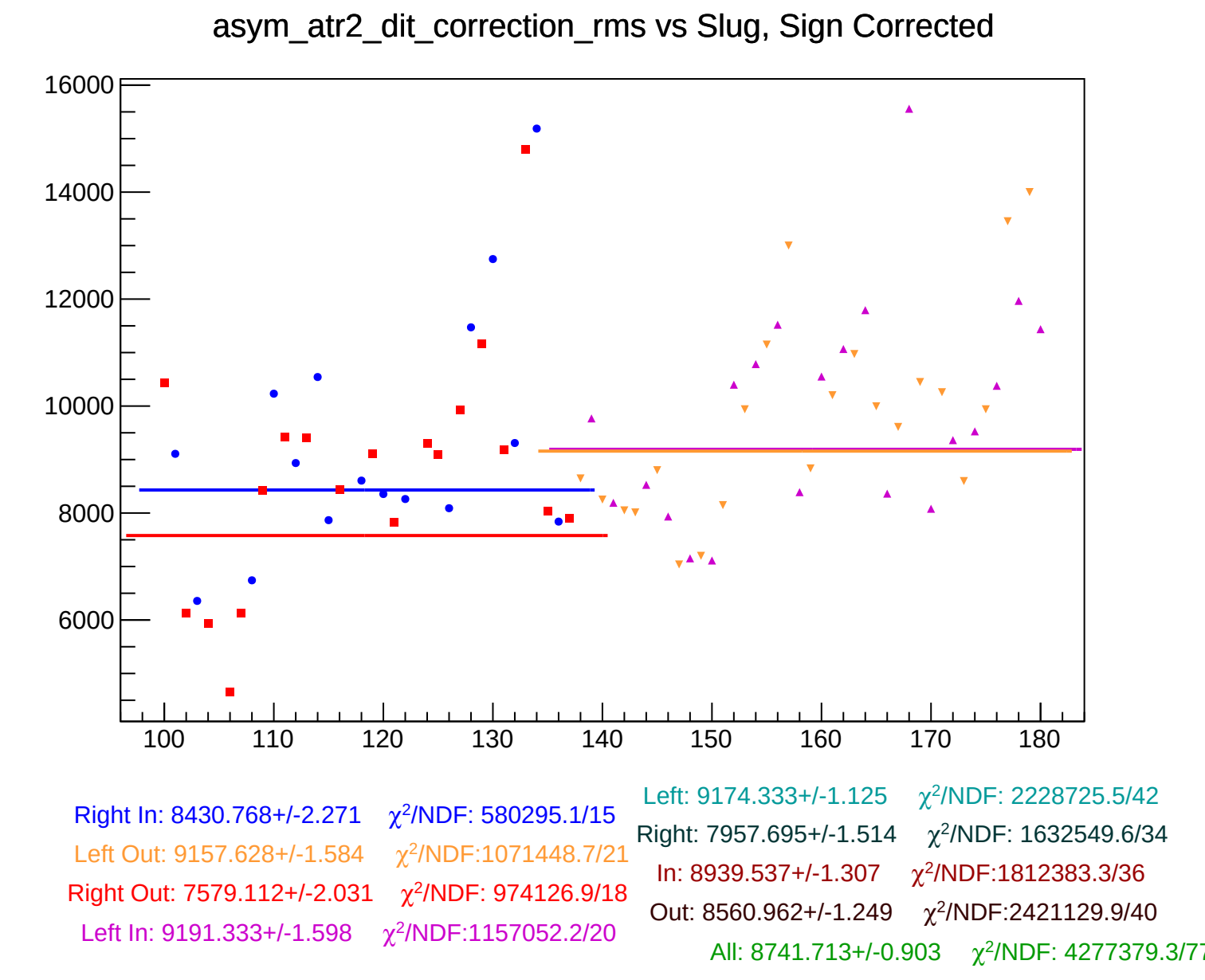
Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2554.718+/-0.367 χ^2/NDF:565199.6/36

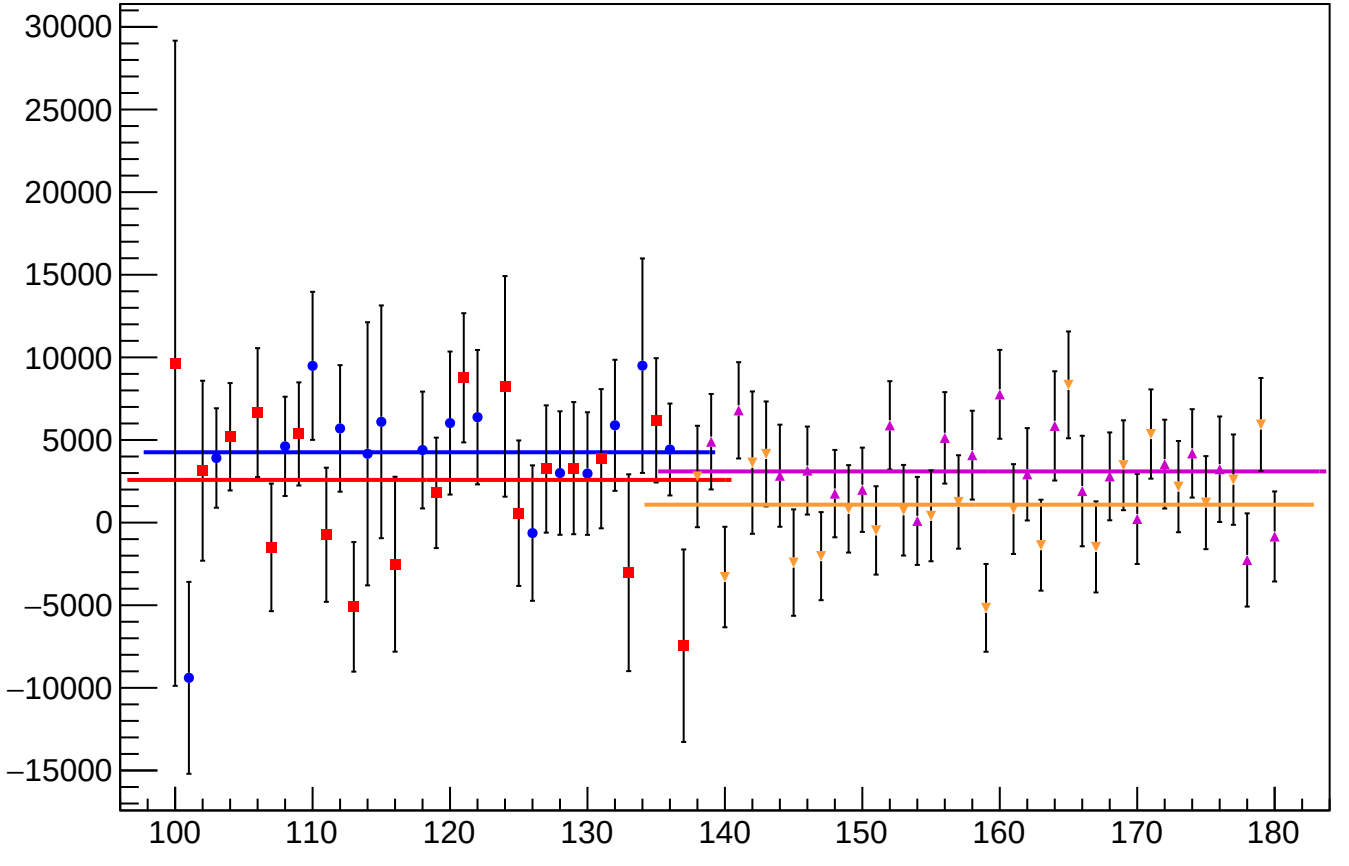
Out: 2545.580+/-0.364 χ^2/NDF:483475.4/40

All: 2550.108+/-0.258 χ^2/NDF: 1048987.4/77


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2631.921+/-3211.506 χ²/NDF: 13.8/15
Left Out: 1392.925+/-2239.592 χ²/NDF:23.7/21
Right Out: -802.880+/-2872.934 χ²/NDF: 15.4/18
Left In: 81.595+/-2259.299 χ²/NDF:13.7/20
Left: 743.004+/-1590.552 χ²/NDF: 37.6/42
Right: -1615.936+/-2141.201 χ²/NDF: 29.4/34
In: -816.756+/-1847.845 χ²/NDF:28.0/36
Out: 562.929+/-1766.310 χ²/NDF:39.5/40
All: -95.804+/-1276.822 χ²/NDF: 67.7/77


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 9157.628+/-1.584 χ²/NDF:1071448.7/21
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 9191.333+/-1.598 χ²/NDF:1157052.2/20
Left: 9174.333+/-1.125 χ²/NDF: 2228725.5/42
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8939.537+/-1.307 χ²/NDF:1812383.3/36
Out: 8560.962+/-1.249 χ²/NDF:2421129.9/40
All: 8741.713+/-0.903 χ²/NDF: 4277379.3/77

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1085.505+/-608.241 χ^2/NDF:25.6/21

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3098.488+/-609.746 χ^2/NDF:16.3/20

Left: 2089.509+/-430.622 χ^2/NDF: 47.4/42

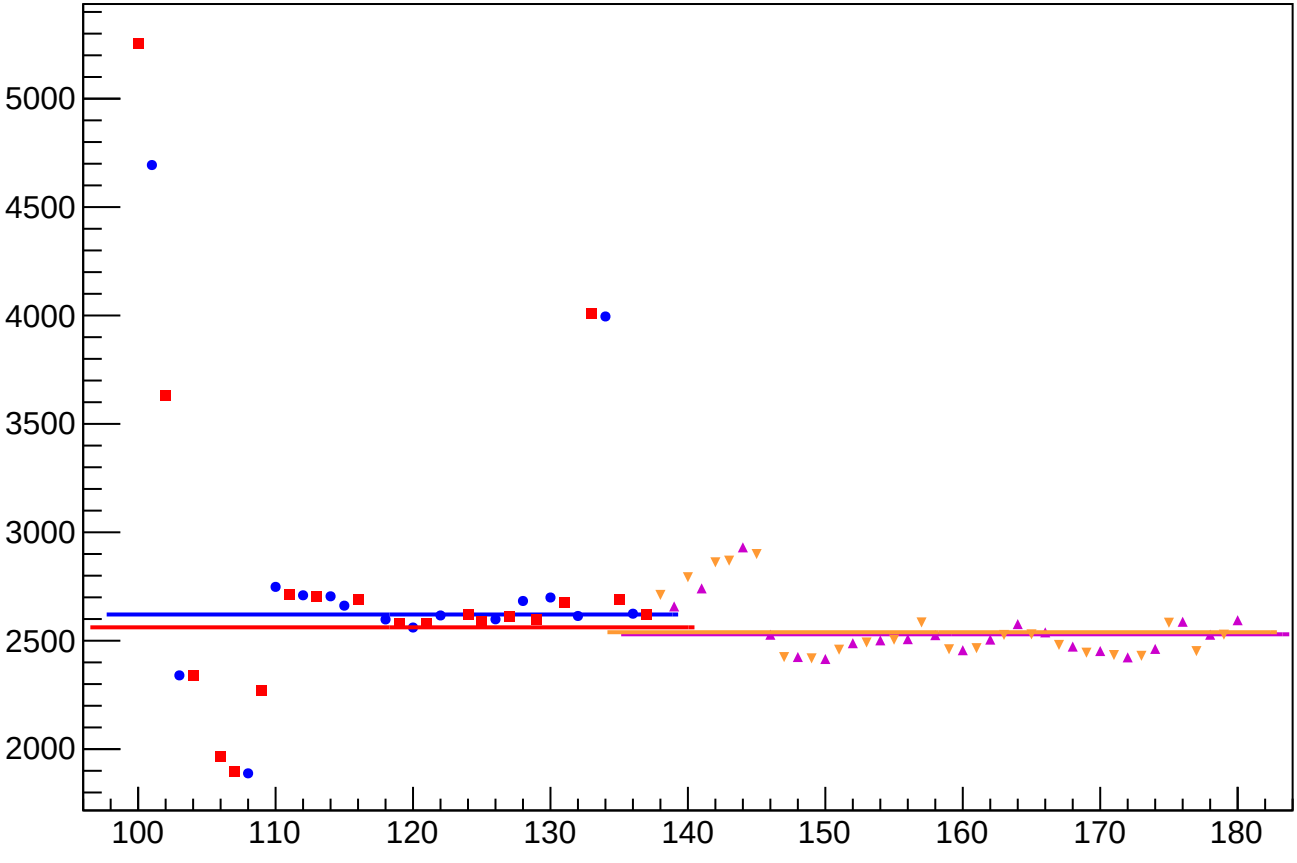
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3416.839+/-519.252 χ^2/NDF:27.4/36

Out: 1511.099+/-514.716 χ^2/NDF:44.9/40

All: 2455.608+/-365.553 χ^2/NDF: 79.1/77

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.177+/-0.430 χ^2/NDF:104435.6/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2529.618+/-0.431 χ^2/NDF:66950.3/20

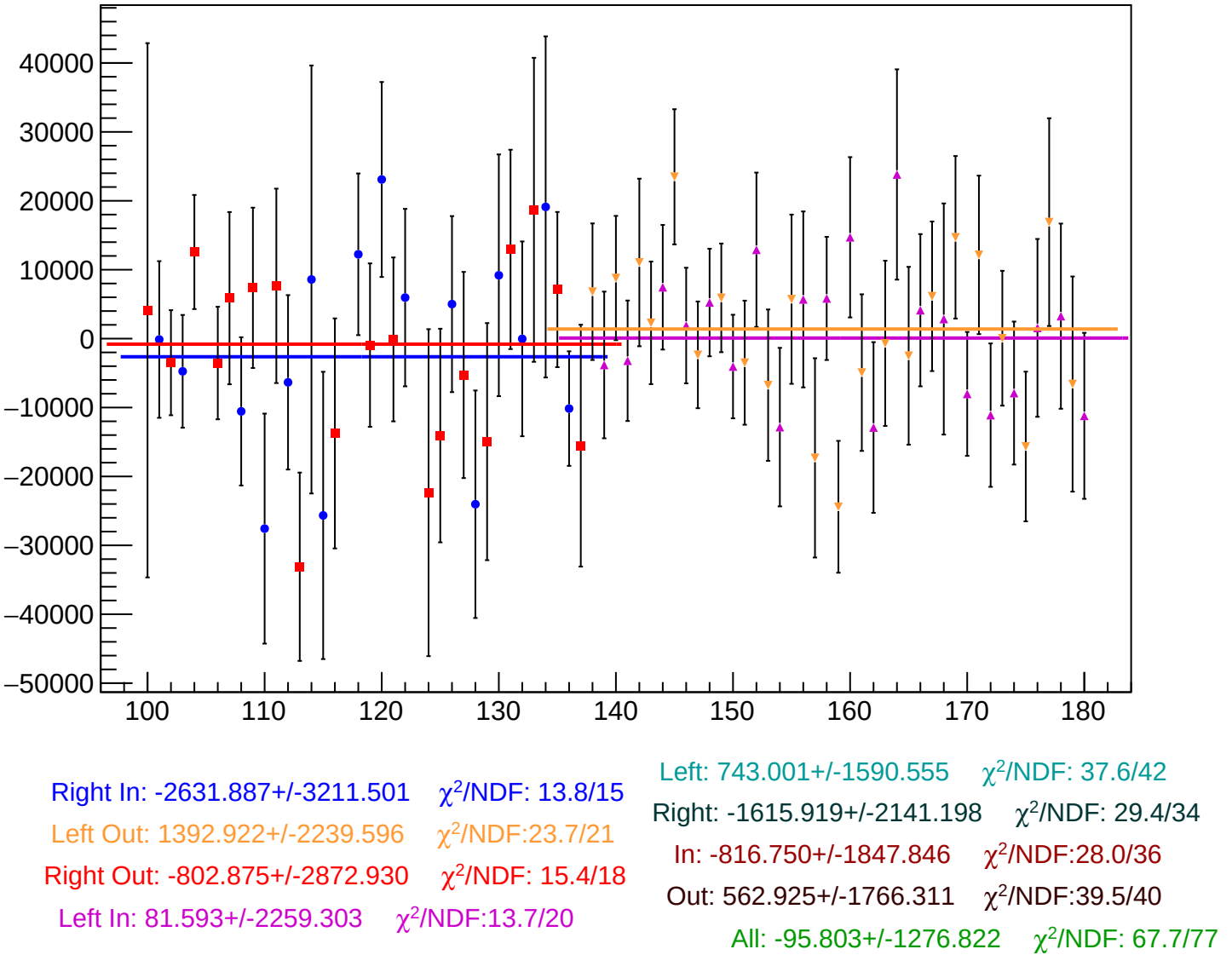
Left: 2534.409+/-0.304 χ^2/NDF: 171632.2/42

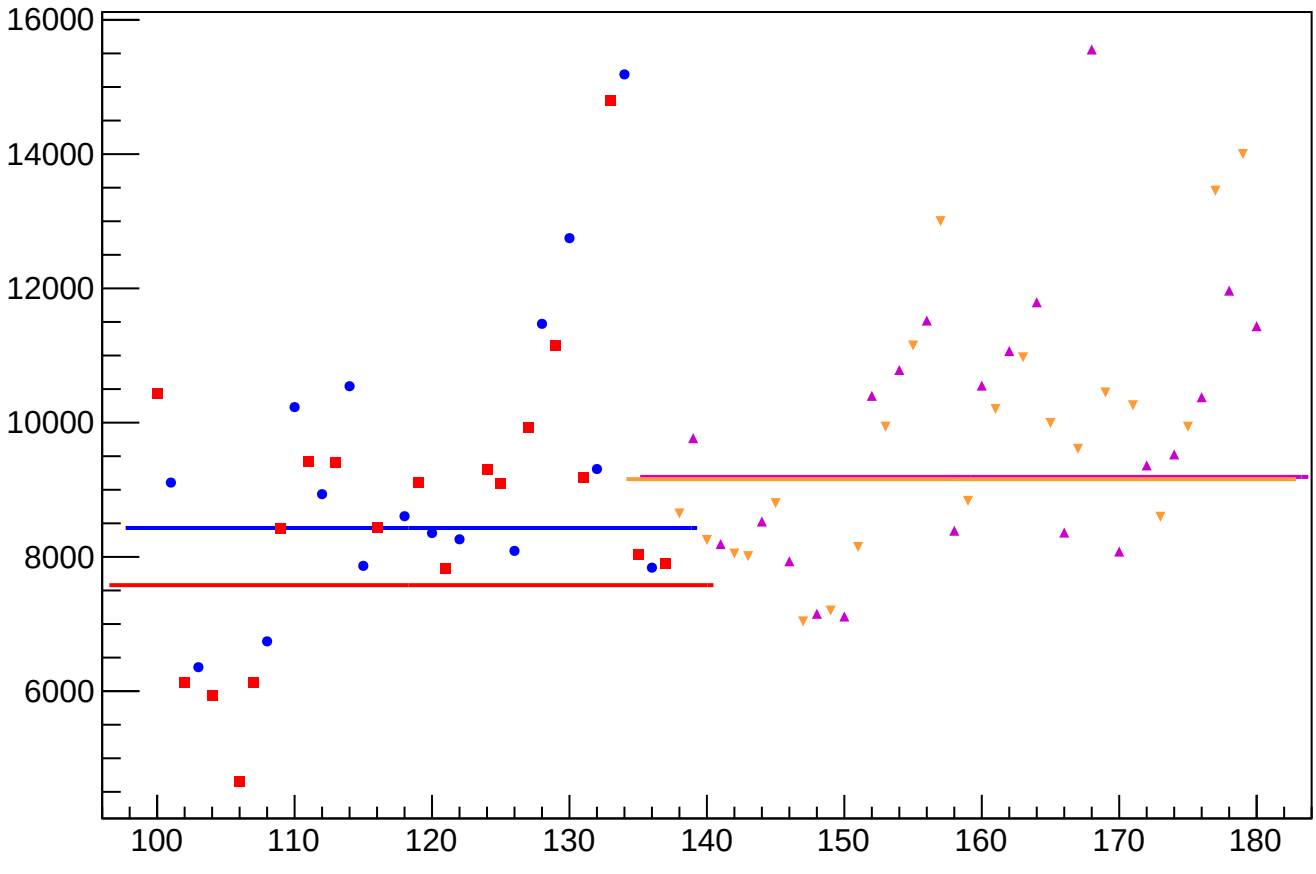
Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2554.719+/-0.367 χ^2/NDF:565198.8/36

Out: 2545.581+/-0.364 χ^2/NDF:483474.9/40

All: 2550.110+/-0.258 χ^2/NDF: 1048986.2/77


asym_atr2_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2631.887+/-3211.501 χ²/NDF: 13.8/15
Left Out: 1392.922+/-2239.596 χ²/NDF:23.7/21
Right Out: -802.875+/-2872.930 χ²/NDF: 15.4/18
Left In: 81.593+/-2259.303 χ²/NDF:13.7/20
Left: 743.001+/-1590.555 χ²/NDF: 37.6/42
Right: -1615.919+/-2141.198 χ²/NDF: 29.4/34
In: -816.750+/-1847.846 χ²/NDF:28.0/36
Out: 562.925+/-1766.311 χ²/NDF:39.5/40
All: -95.803+/-1276.822 χ²/NDF: 67.7/77



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9157.643+/-1.584 χ^2/NDF:1071450.7/21

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9191.348+/-1.598 χ^2/NDF:1157055.8/20

Left: 9174.348+/-1.125 χ^2/NDF: 2228731.0/42

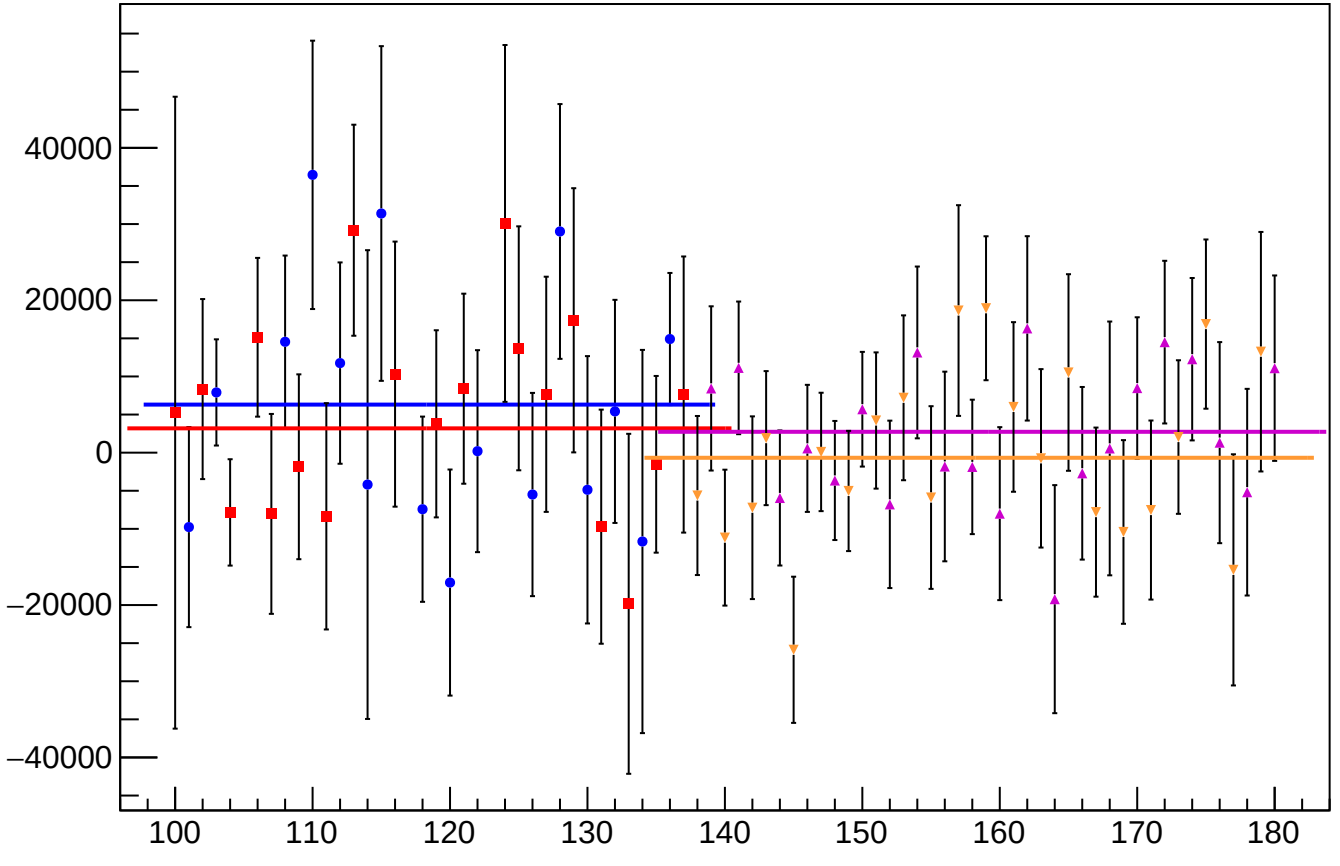
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8939.542+/-1.307 χ^2/NDF:1812386.0/36

Out: 8560.964+/-1.249 χ^2/NDF:2421141.1/40

All: 8741.717+/-0.903 χ^2/NDF: 4277393.8/77

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -672.075+/-2238.485 χ^2/NDF:23.3/21

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2736.860+/-2258.961 χ^2/NDF:12.8/20

Left: 1016.872+/-1590.038 χ^2/NDF: 37.3/42

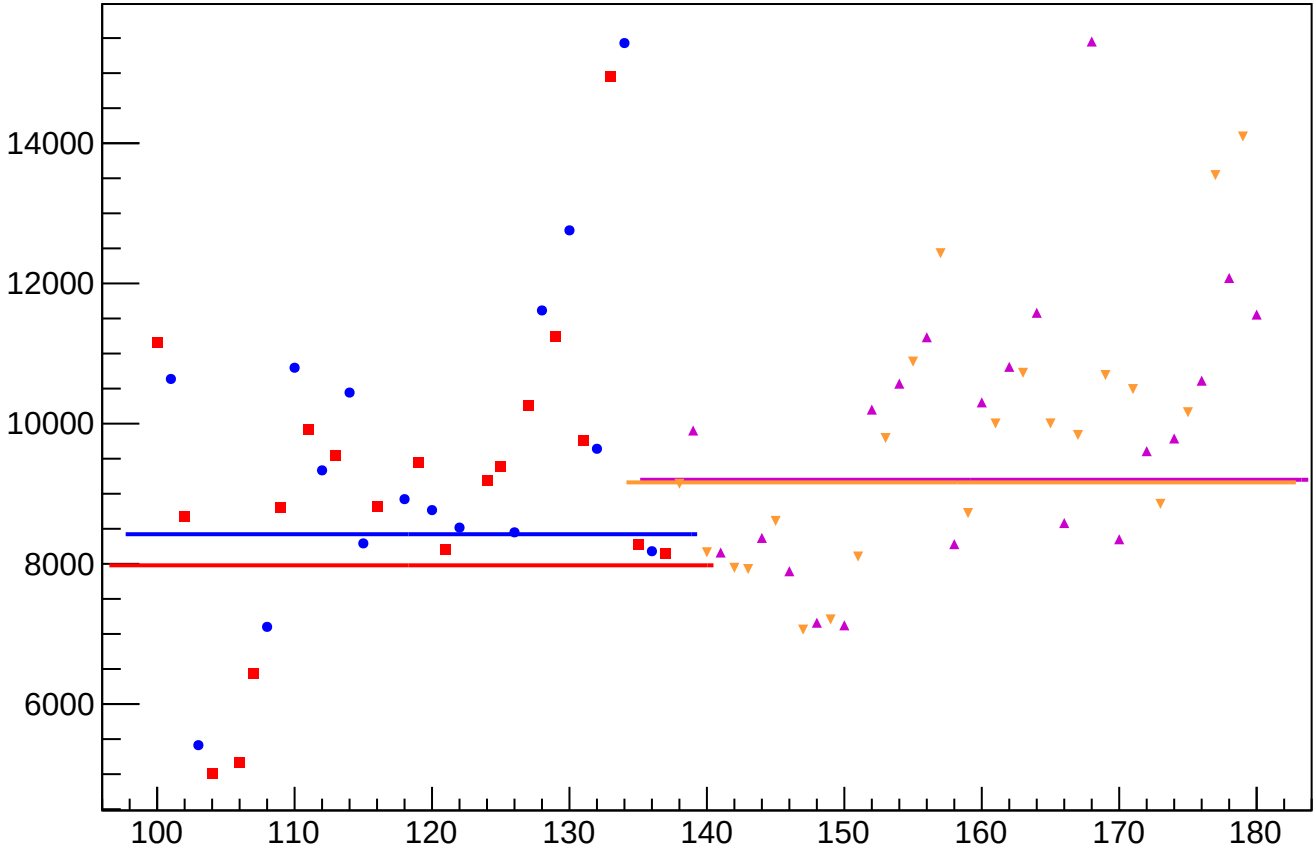
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3904.804+/-1852.983 χ^2/NDF:28.8/36

Out: 669.048+/-1808.451 χ^2/NDF:38.2/40

All: 2247.577+/-1294.225 χ^2/NDF: 68.6/77

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9162.043+/-1.583 χ^2/NDF:1056023.4/21

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9199.479+/-1.597 χ^2/NDF:1119575.0/20

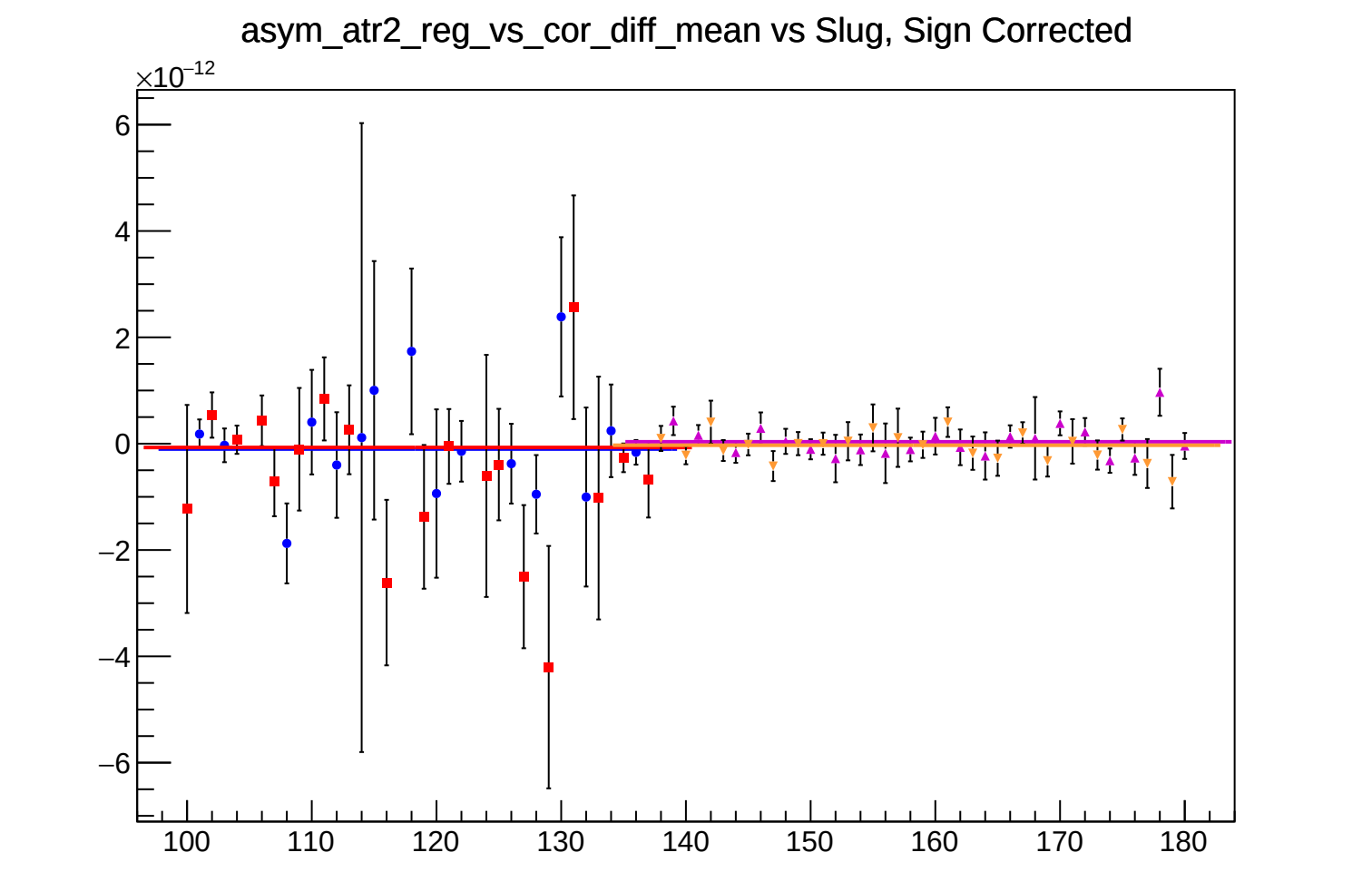
Left: 9180.590+/-1.124 χ^2/NDF: 2175875.6/42

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8945.370+/-1.310 χ^2/NDF:2078769.6/36

Out: 8751.146+/-1.279 χ^2/NDF:2266066.5/40

All: 8845.896+/-0.915 χ^2/NDF: 4356089.9/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/20

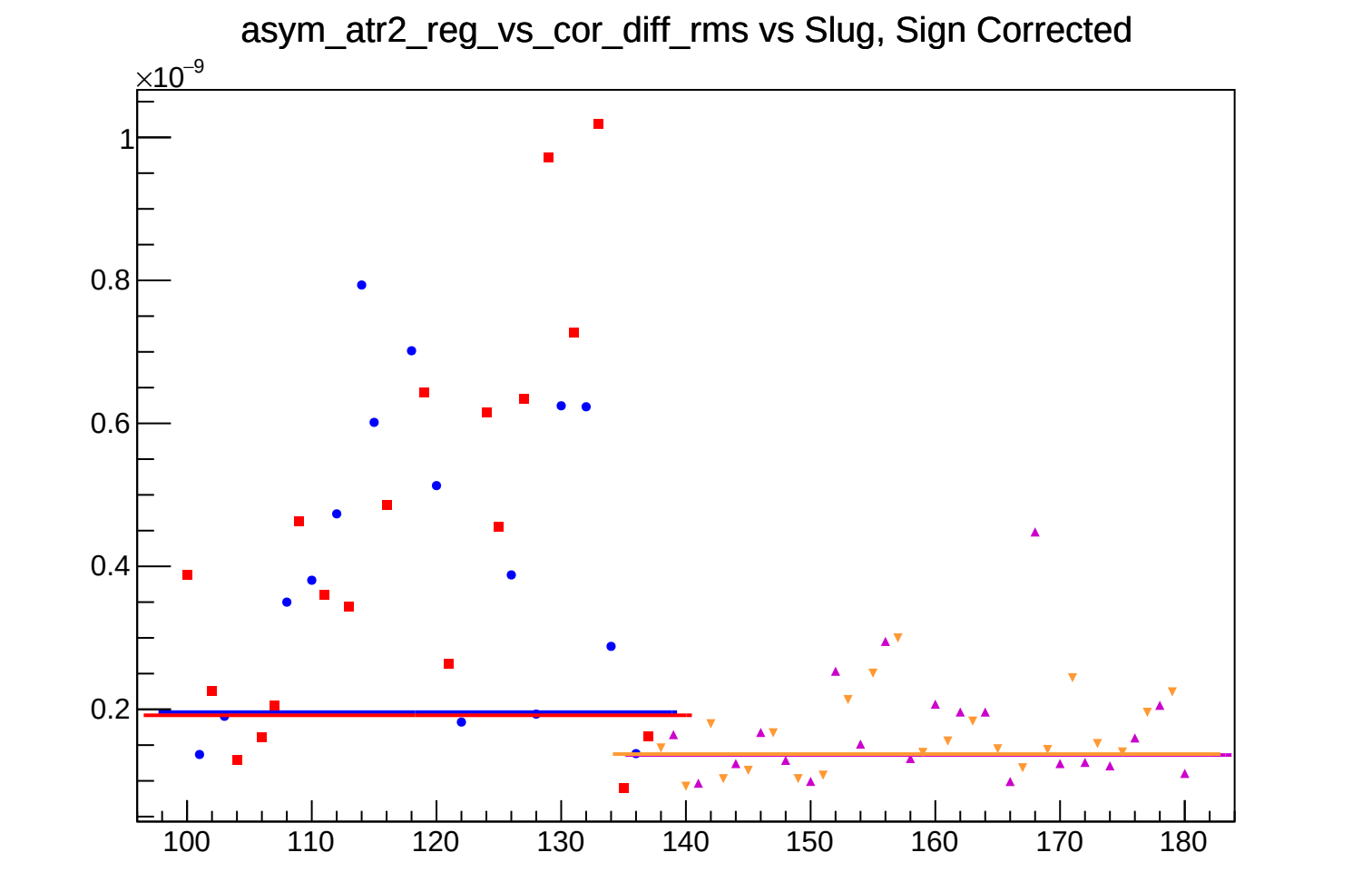
Left: 0.000+/-0.000 χ^2/NDF: 34.4/42

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/36

Out: -0.000+/-0.000 χ^2/NDF:35.6/40

All: -0.000+/-0.000 χ^2/NDF: 68.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1061719.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1192972.7/20

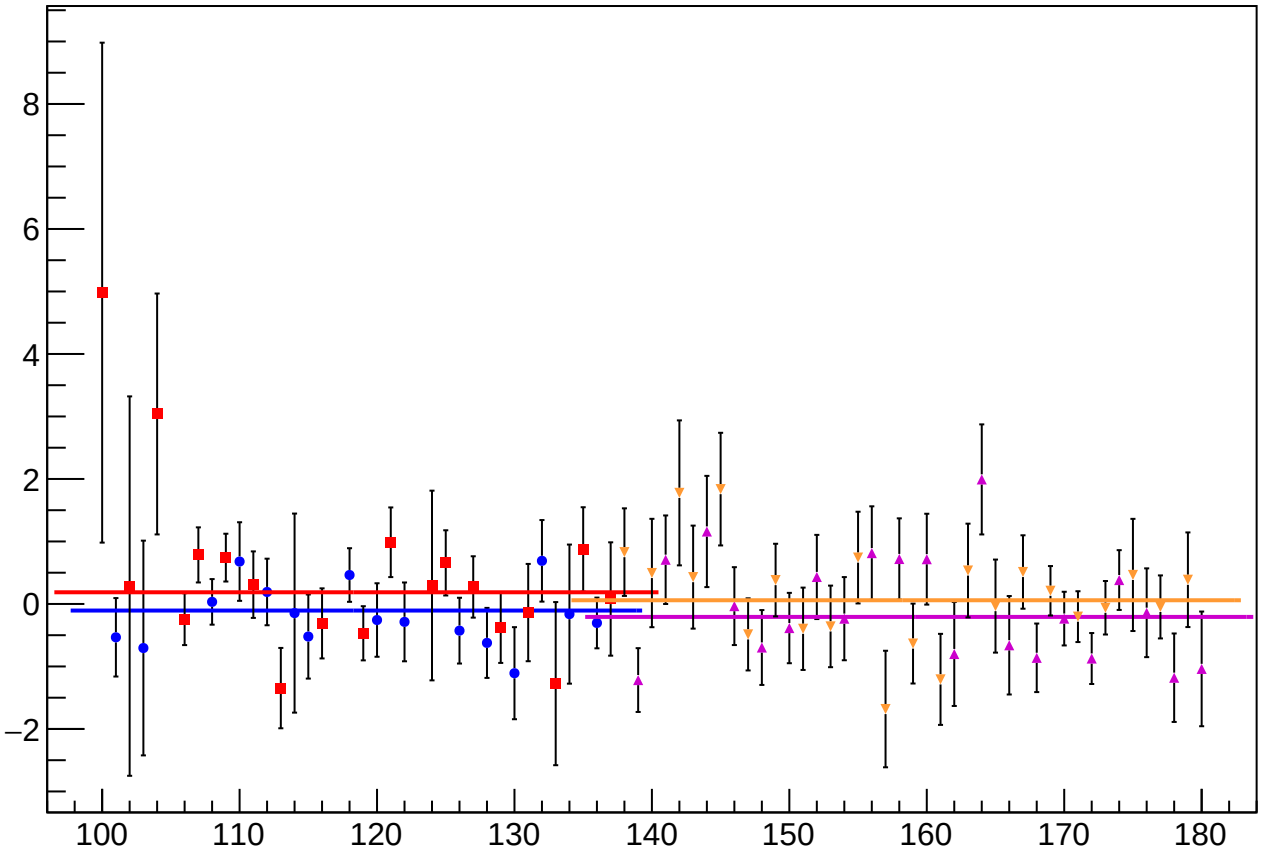
Left: 0.000+/-0.000 χ^2/NDF: 2255231.3/42

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2871384.0/36

Out: 0.000+/-0.000 χ^2/NDF:3388986.2/40

All: 0.000+/-0.000 χ^2/NDF: 6260462.5/77



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.207+/-0.135 χ^2/NDF:30.6/20

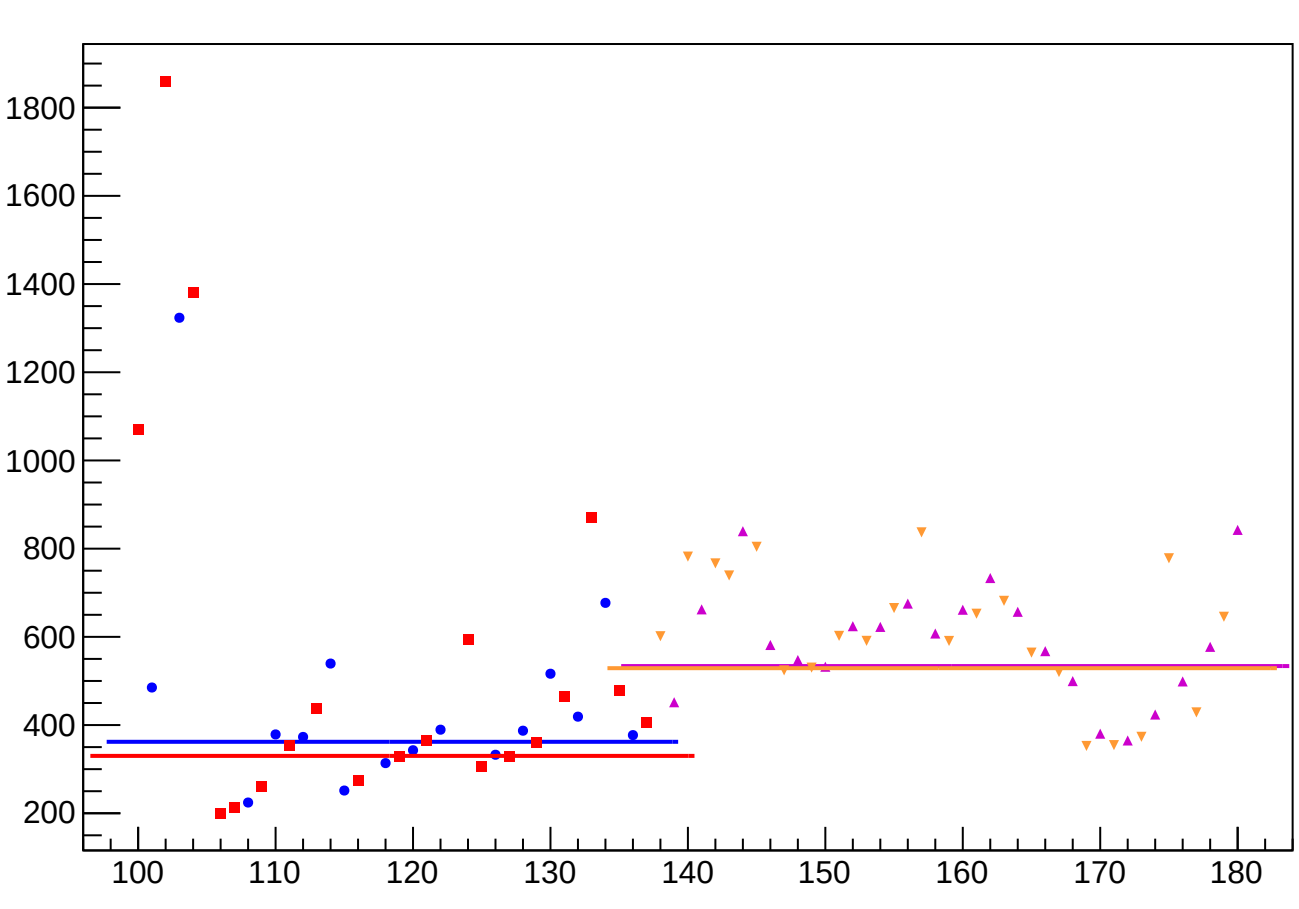
Left: -0.072+/-0.095 χ^2/NDF: 53.1/42

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.160+/-0.099 χ^2/NDF:40.6/36

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.015+/-0.069 χ^2/NDF: 89.5/77



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

Left: 531.342+/-0.067 χ^2/NDF: 4104089.5/42

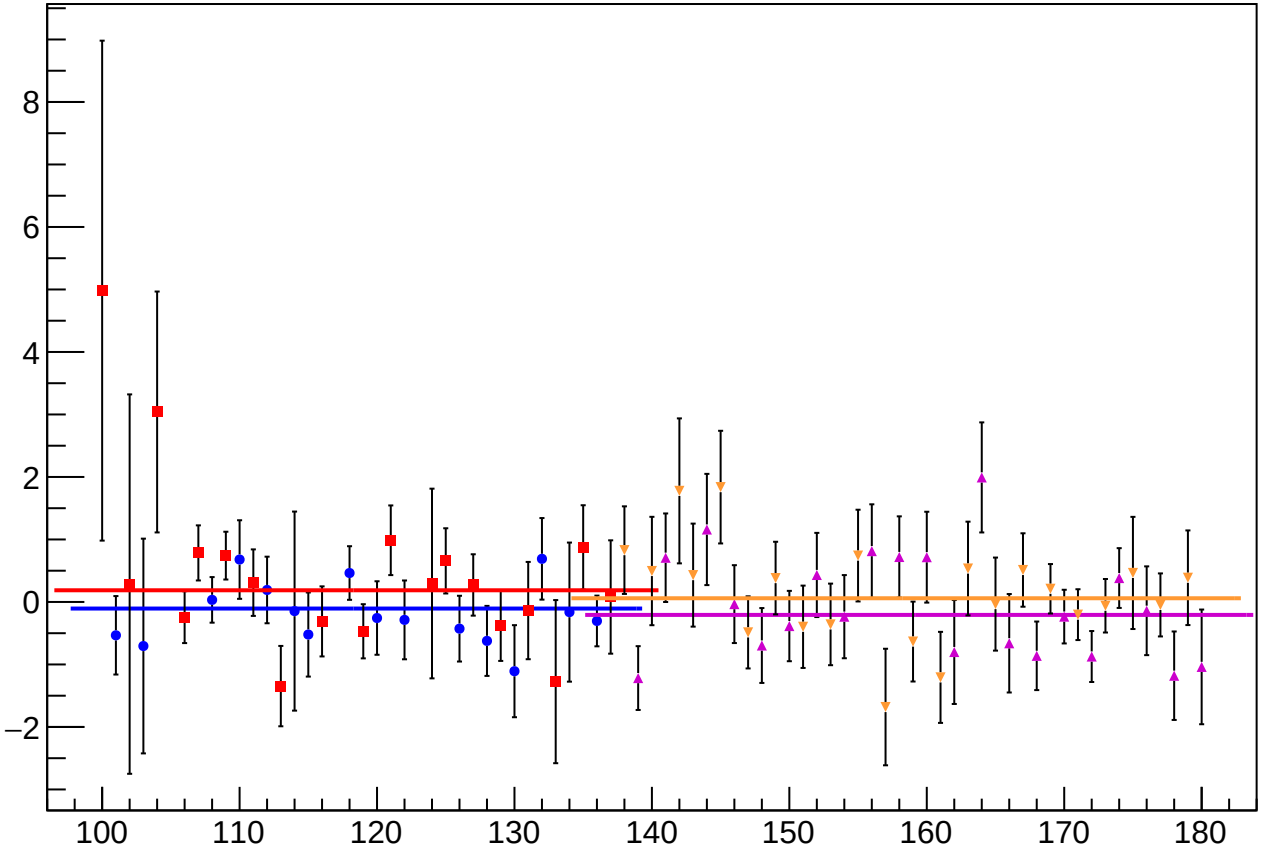
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 453.768+/-0.070 χ^2/NDF:4587572.5/36

Out: 432.359+/-0.068 χ^2/NDF:6798663.4/40

All: 442.735+/-0.049 χ^2/NDF: 11434676.0/77

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.207+/-0.135 χ^2/NDF:30.6/20

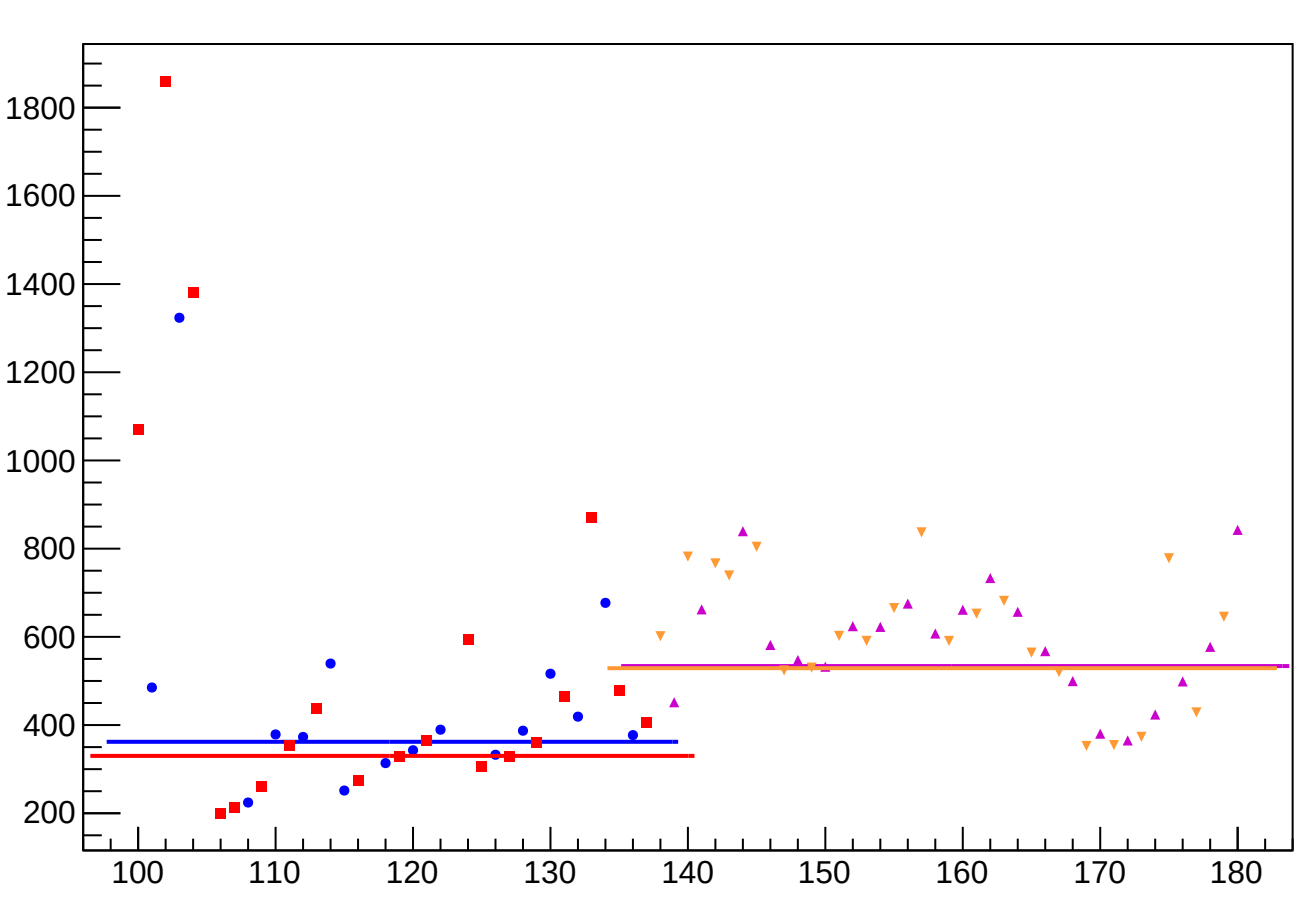
Left: -0.072+/-0.095 χ^2/NDF: 53.1/42

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.160+/-0.099 χ^2/NDF:40.6/36

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.015+/-0.069 χ^2/NDF: 89.5/77



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 533.775+/-0.096 χ^2/NDF:1705142.3/20

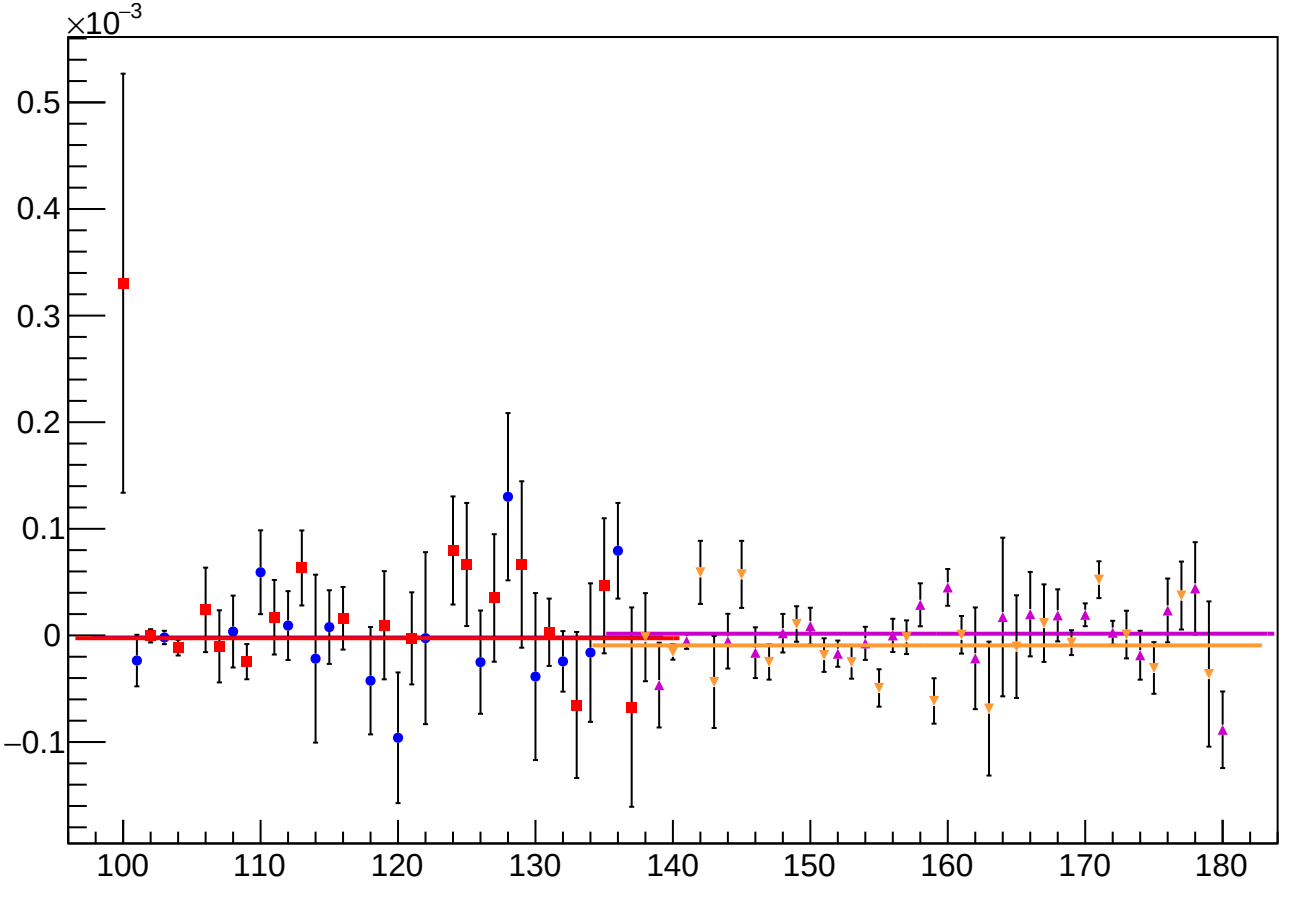
Left: 531.342+/-0.067 χ^2/NDF: 4104089.5/42

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 453.768+/-0.070 χ^2/NDF:4587572.5/36

Out: 432.359+/-0.068 χ^2/NDF:6798663.4/40

All: 442.735+/-0.049 χ^2/NDF: 11434676.0/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.3/20

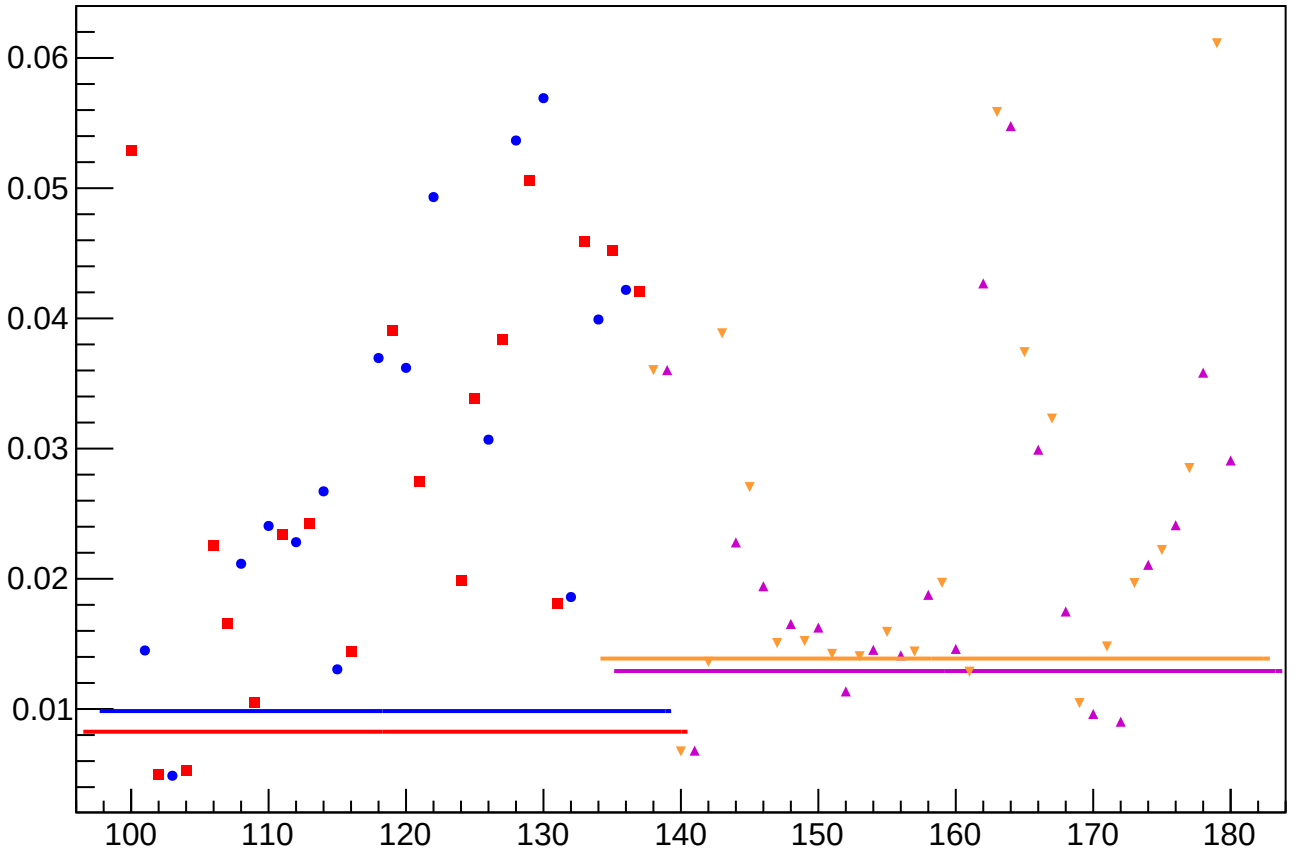
Left: -0.000+/-0.000 χ^2/NDF: 74.5/42

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:40.4/36

Out: -0.000+/-0.000 χ^2/NDF:63.5/40

All: -0.000+/-0.000 χ^2/NDF: 106.5/77



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7509011.5/21

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:6740369.4/20

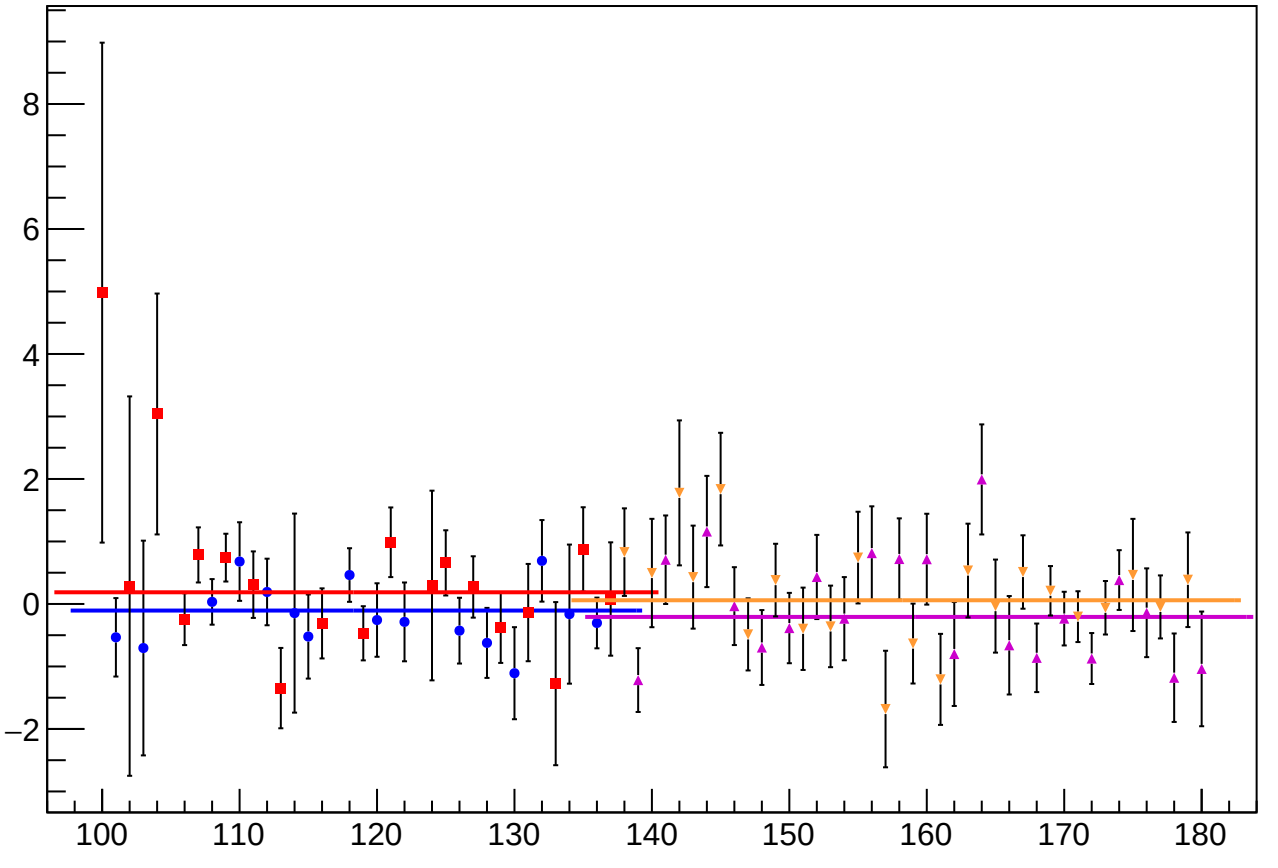
Left: 0.013+/-0.000 χ^2/NDF: 14314059.7/42

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:14235299.7/36

Out: 0.011+/-0.000 χ^2/NDF:16176300.2/40

All: 0.012+/-0.000 χ^2/NDF: 30457361.8/77



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.207+/-0.135 χ^2/NDF:30.6/20

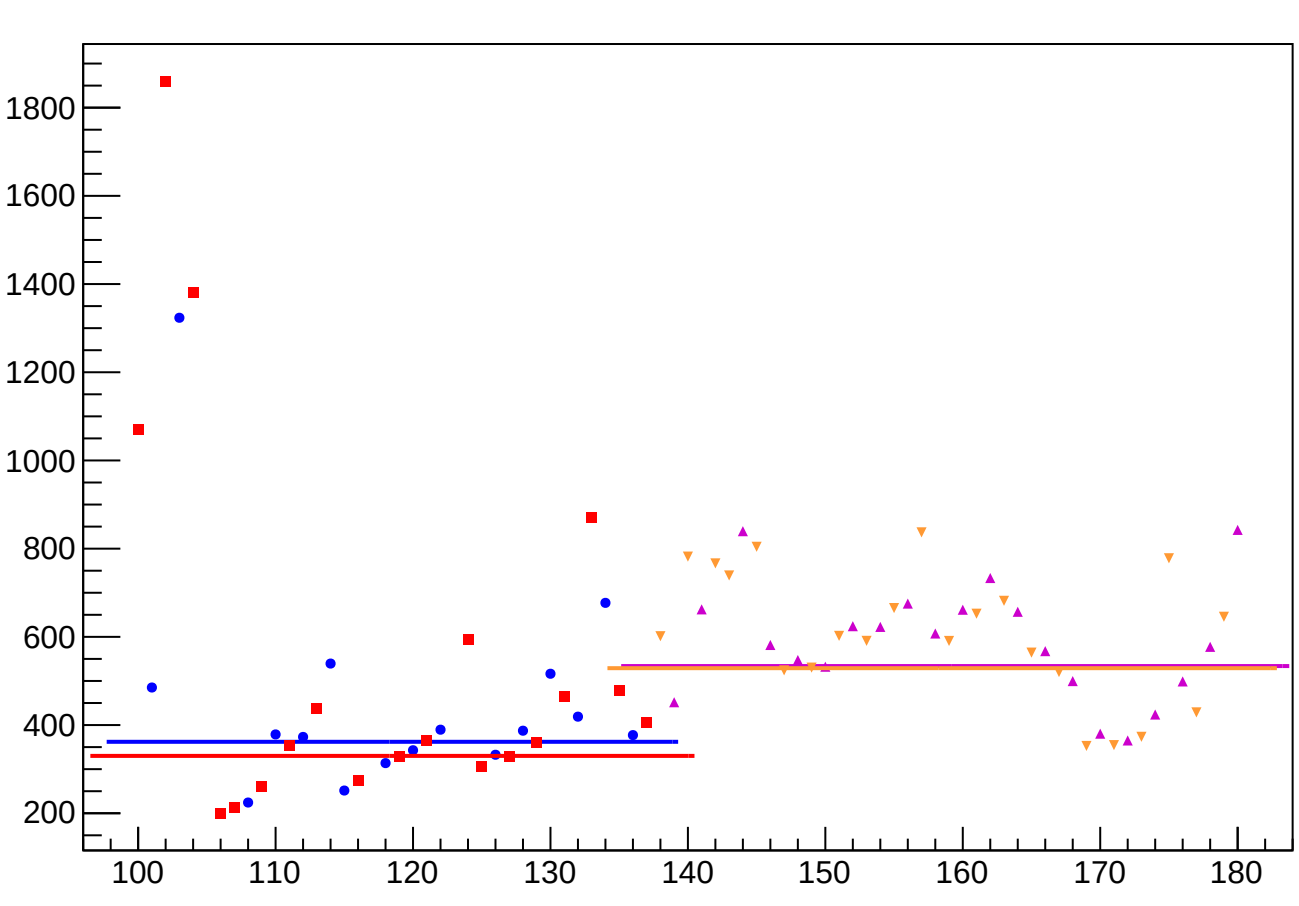
Left: -0.072+/-0.095 χ^2/NDF: 53.1/42

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.160+/-0.099 χ^2/NDF:40.6/36

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.015+/-0.069 χ^2/NDF: 89.5/77



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

Left: 531.346+/-0.067 χ^2/NDF: 4104229.8/42

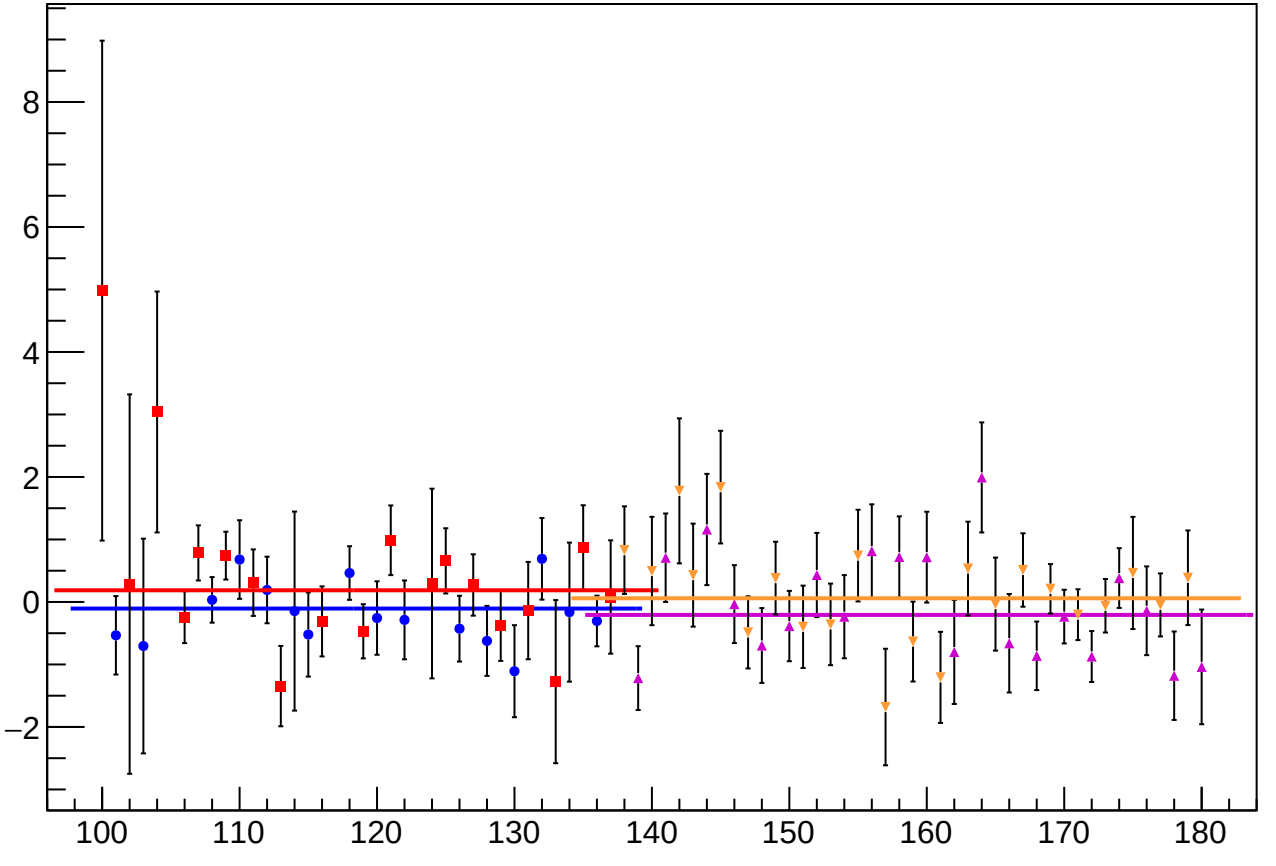
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 453.768+/-0.070 χ^2/NDF:4587755.9/36

Out: 432.359+/-0.068 χ^2/NDF:6798858.7/40

All: 442.735+/-0.049 χ^2/NDF: 11435053.5/77

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: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.207+/-0.135 χ^2/NDF:30.6/20

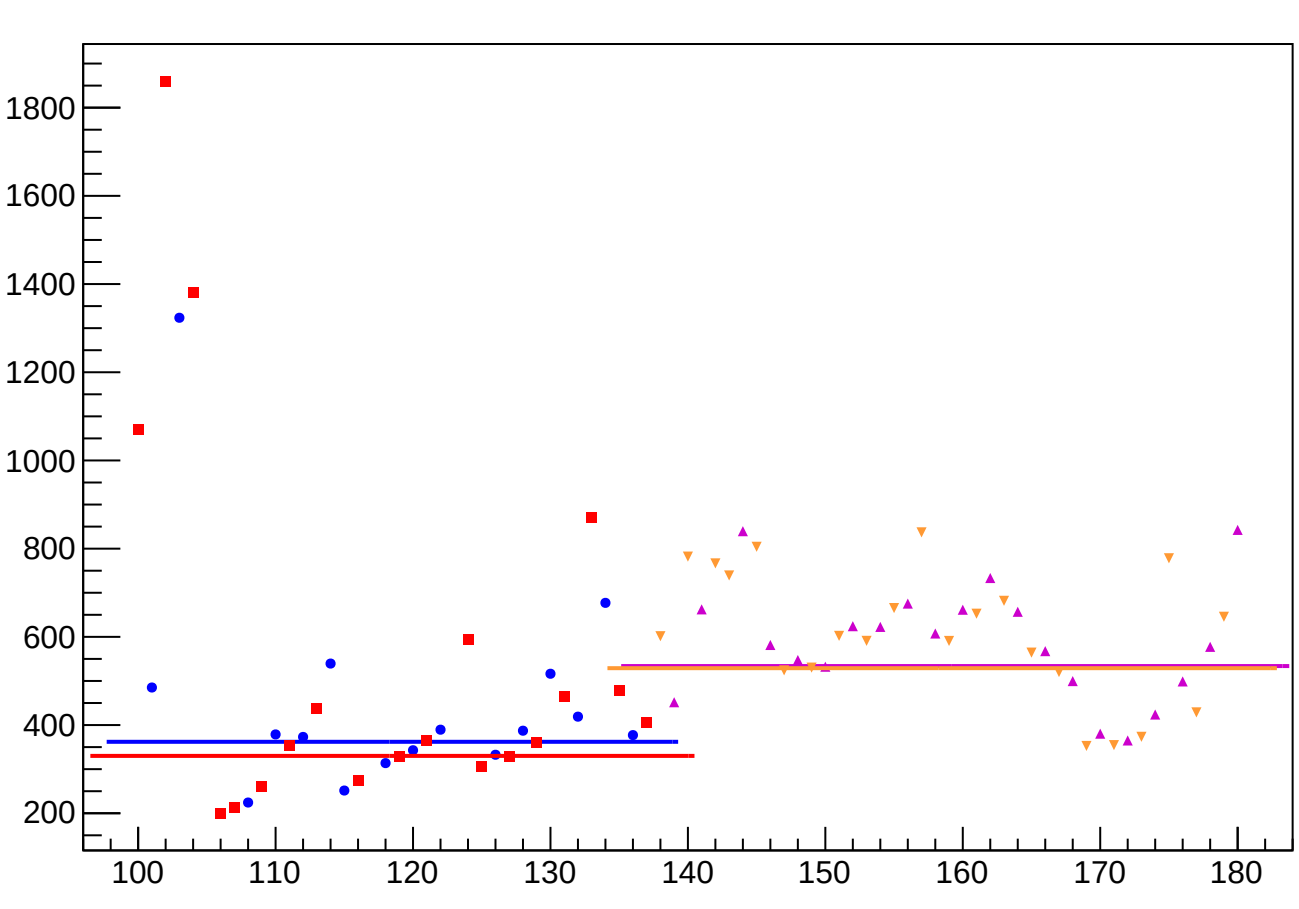
Left: -0.072+/-0.095 χ^2/NDF: 53.1/42

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.160+/-0.099 χ^2/NDF:40.6/36

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.015+/-0.069 χ^2/NDF: 89.5/77



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 533.780+/-0.096 χ^2/NDF:1705189.2/20

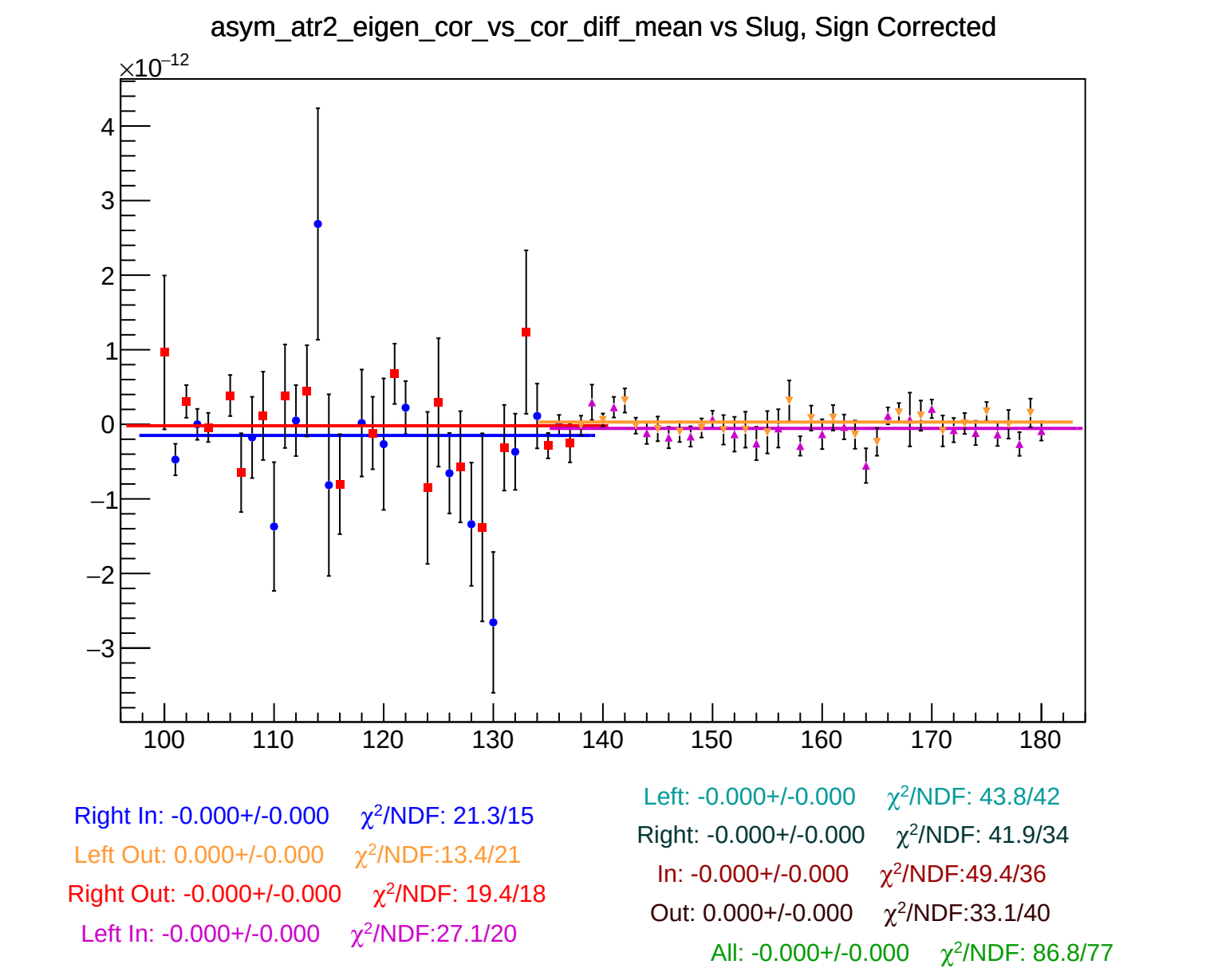
Left: 531.346+/-0.067 χ^2/NDF: 4104229.8/42

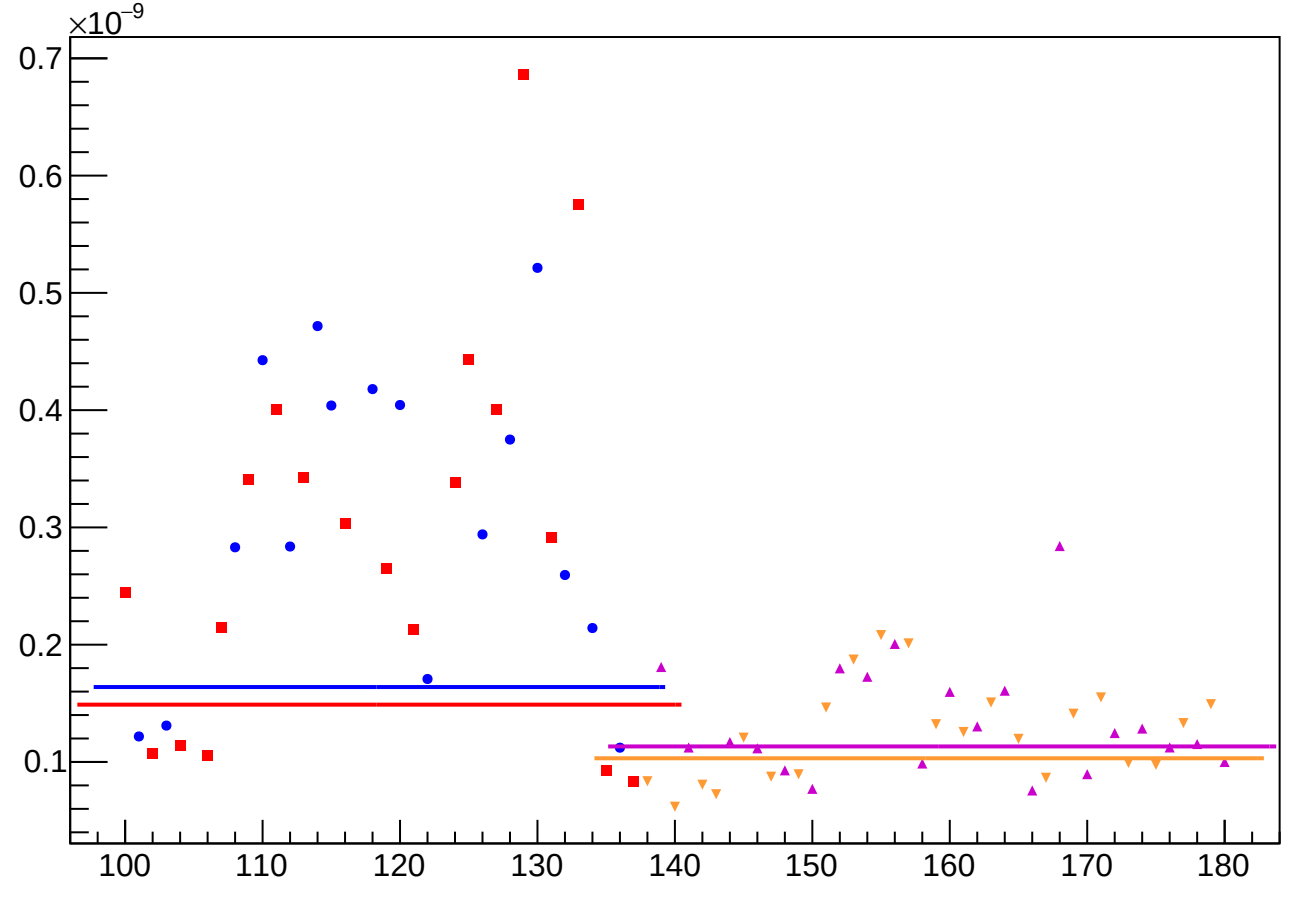
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 453.768+/-0.070 χ^2/NDF:4587755.9/36

Out: 432.359+/-0.068 χ^2/NDF:6798858.7/40

All: 442.735+/-0.049 χ^2/NDF: 11435053.5/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:27.1/20
Left: -0.000+/-0.000 χ²/NDF: 43.8/42
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:49.4/36
Out: 0.000+/-0.000 χ²/NDF:33.1/40
All: -0.000+/-0.000 χ²/NDF: 86.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302051.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1977449.4/20

Left: 0.000+/-0.000 χ^2/NDF: 4371130.4/42

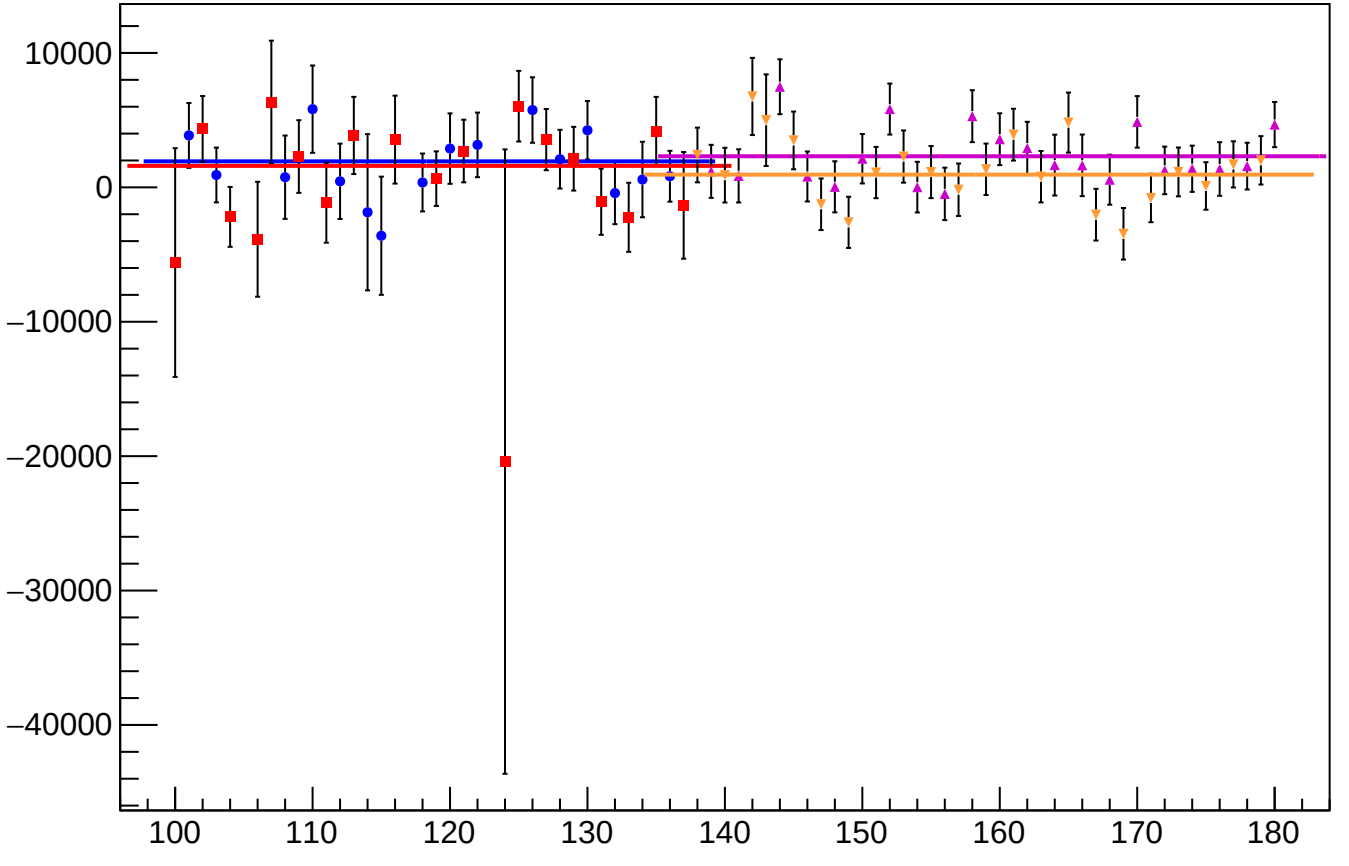
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4572858.4/36

Out: 0.000+/-0.000 χ^2/NDF:5668675.6/40

All: 0.000+/-0.000 χ^2/NDF: 10362488.4/77

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.069+/-420.351 χ^2/NDF:27.9/21

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2312.580+/-416.078 χ^2/NDF:25.1/20

Left: 1637.294+/-295.711 χ^2/NDF: 58.3/42

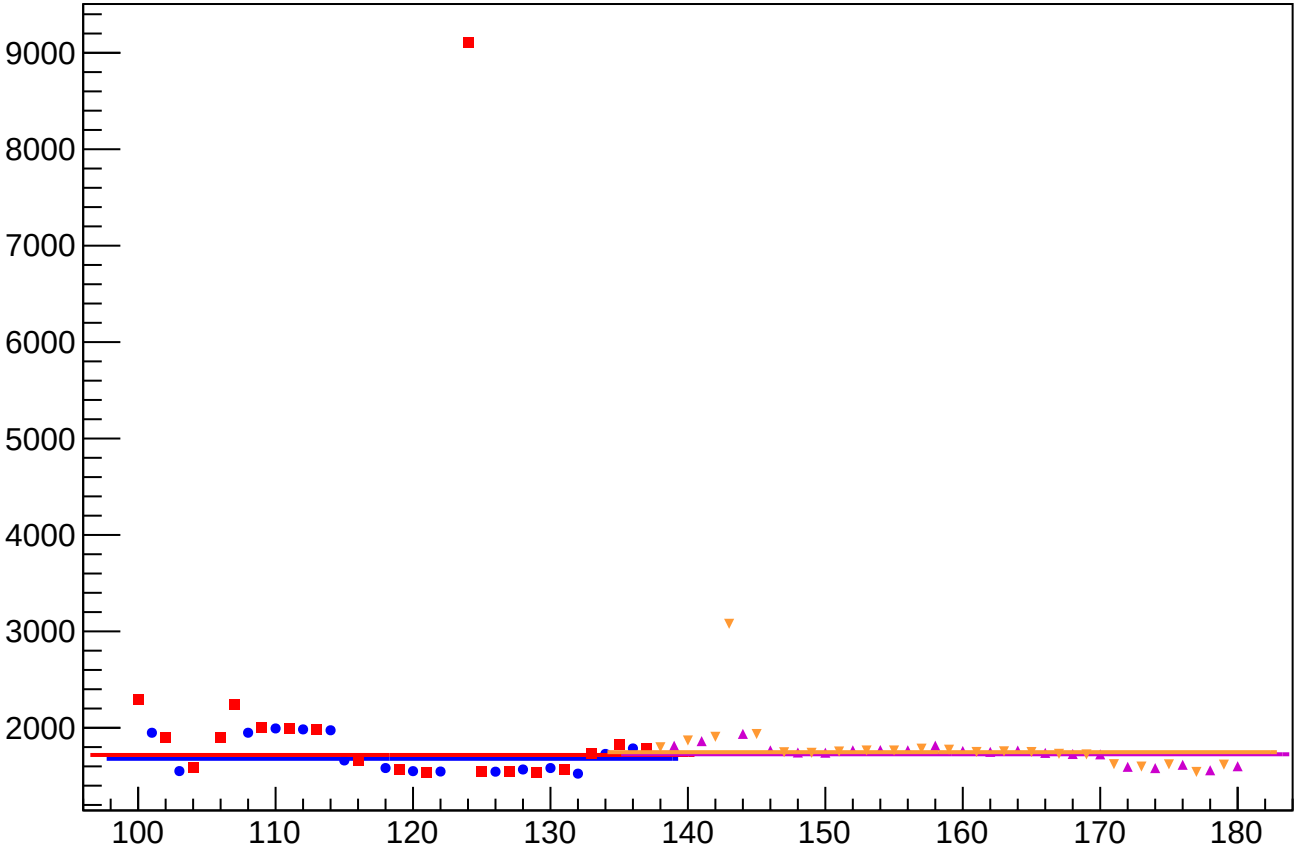
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2197.290+/-346.835 χ^2/NDF:36.3/36

Out: 1142.989+/-351.709 χ^2/NDF:48.0/40

All: 1677.495+/-246.955 χ^2/NDF: 88.8/77

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1747.412+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

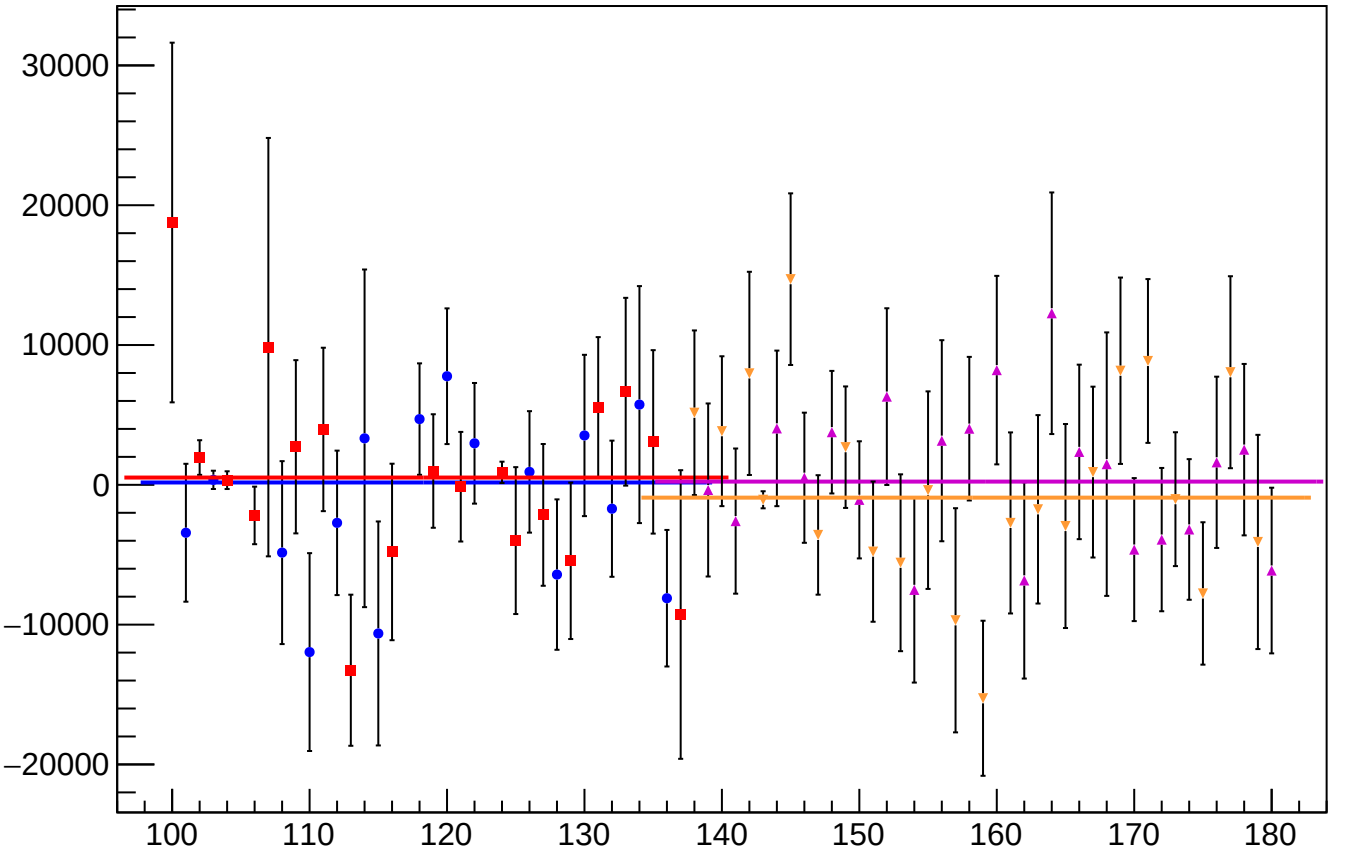
Left: 1736.354+/-0.209 χ^2/NDF: 516672.0/42

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1711.185+/-0.245 χ^2/NDF:254108.1/36

Out: 1738.627+/-0.248 χ^2/NDF:795158.9/40

All: 1724.734+/-0.175 χ^2/NDF: 1055448.5/77



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -916.180+/-550.710 χ^2/NDF:28.6/21

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 231.352+/-1244.266 χ^2/NDF:12.4/20

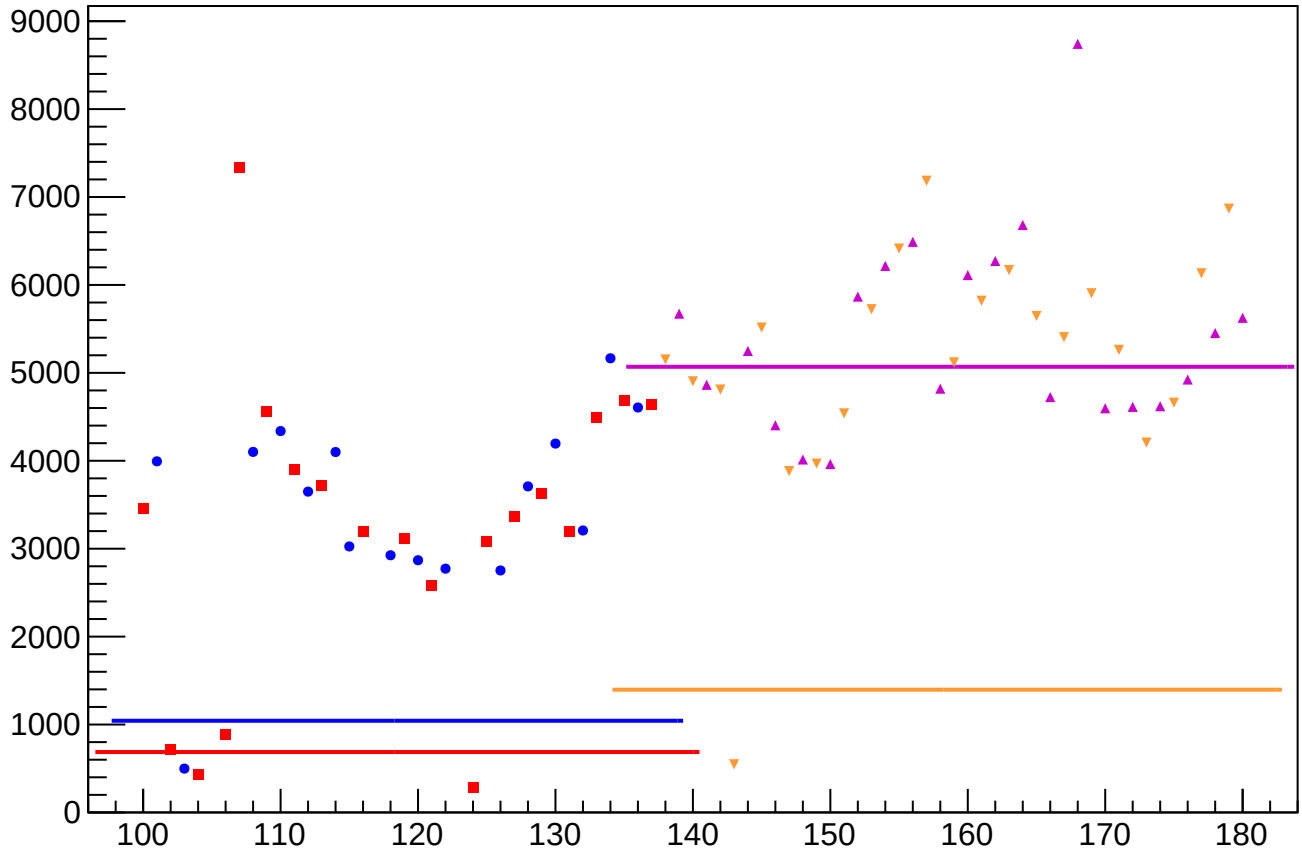
Left: -728.209+/-503.590 χ^2/NDF: 41.7/42

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 179.912+/-534.288 χ^2/NDF:28.2/36

Out: -15.053+/-336.351 χ^2/NDF:51.4/40

All: 40.283+/-284.644 χ^2/NDF: 79.7/77



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1396.129+/-0.389 χ^2/NDF:21672936.9/21

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5069.227+/-0.880 χ^2/NDF:1056478.9/20

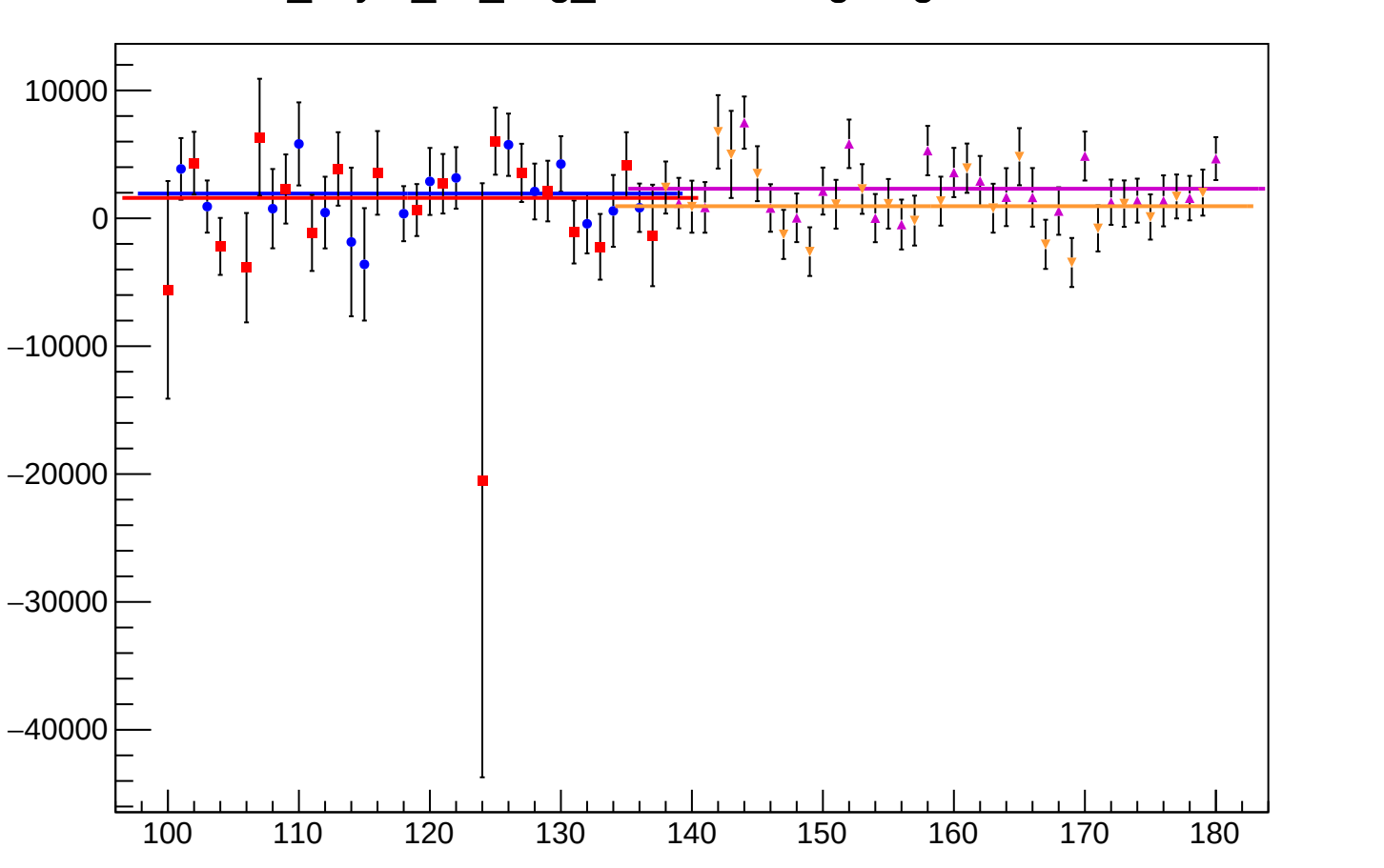
Left: 1997.801+/-0.356 χ^2/NDF: 37303320.1/42

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1785.470+/-0.378 χ^2/NDF:26247278.1/36

Out: 951.729+/-0.238 χ^2/NDF:32381677.5/40

All: 1188.366+/-0.201 χ^2/NDF: 62116820.2/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2312.604+/-416.078 χ^2/NDF:25.1/20

Left: 1637.285+/-295.711 χ^2/NDF: 58.3/42

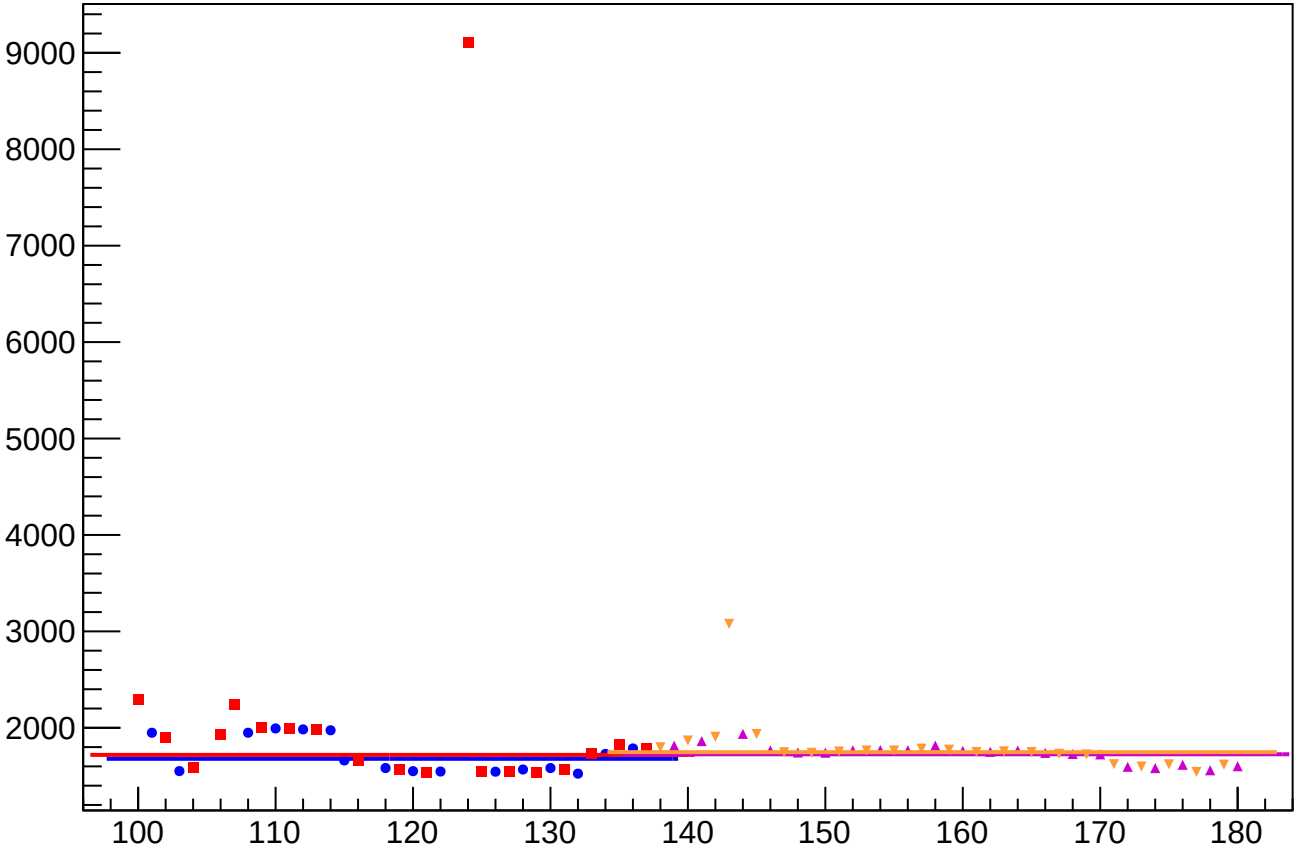
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2197.342+/-346.835 χ^2/NDF:36.3/36

Out: 1142.226+/-351.709 χ^2/NDF:48.0/40

All: 1677.146+/-246.955 χ^2/NDF: 88.8/77

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

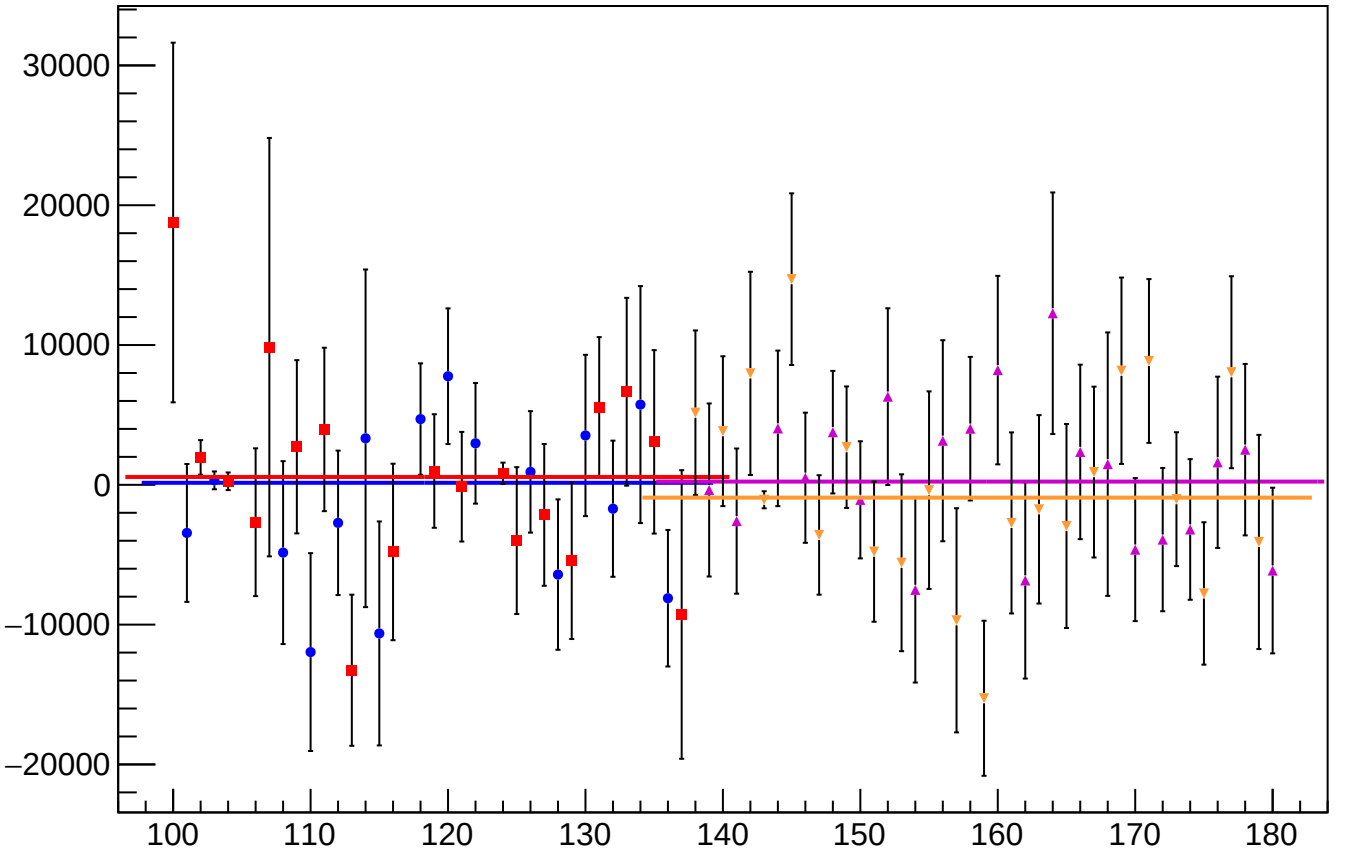
Left: 1736.354+/-0.209 χ^2/NDF: 516671.9/42

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1711.185+/-0.245 χ^2/NDF:254108.2/36

Out: 1738.884+/-0.248 χ^2/NDF:796736.4/40

All: 1724.859+/-0.175 χ^2/NDF: 1057141.9/77



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 231.479+/-1244.266 χ^2/NDF:12.4/20

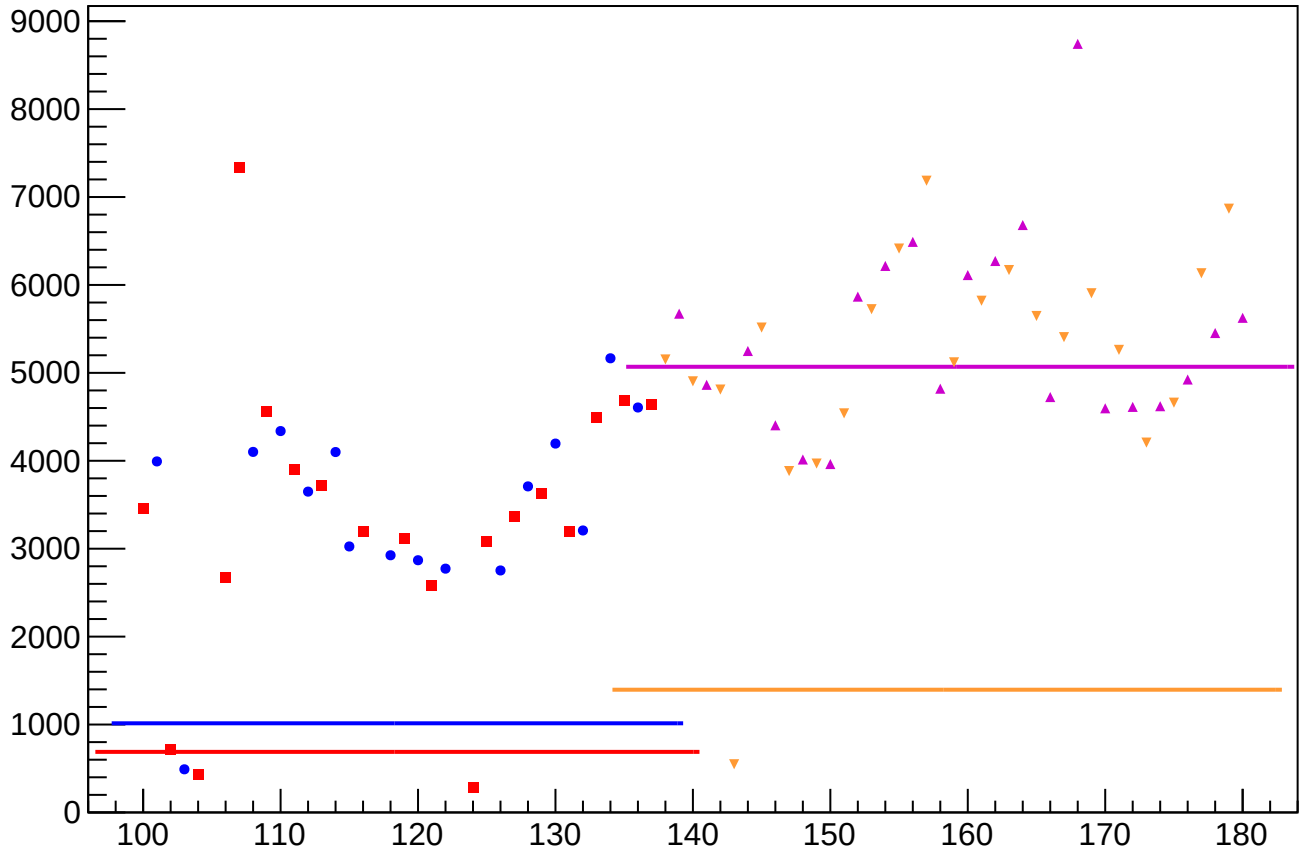
Left: -727.930+/-503.576 χ^2/NDF: 41.7/42

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 161.680+/-525.213 χ^2/NDF:28.2/36

Out: 0.891+/-339.223 χ^2/NDF:50.3/40

All: 48.221+/-284.955 χ^2/NDF: 78.5/77



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5069.223+/-0.880 χ^2/NDF:1056496.8/20

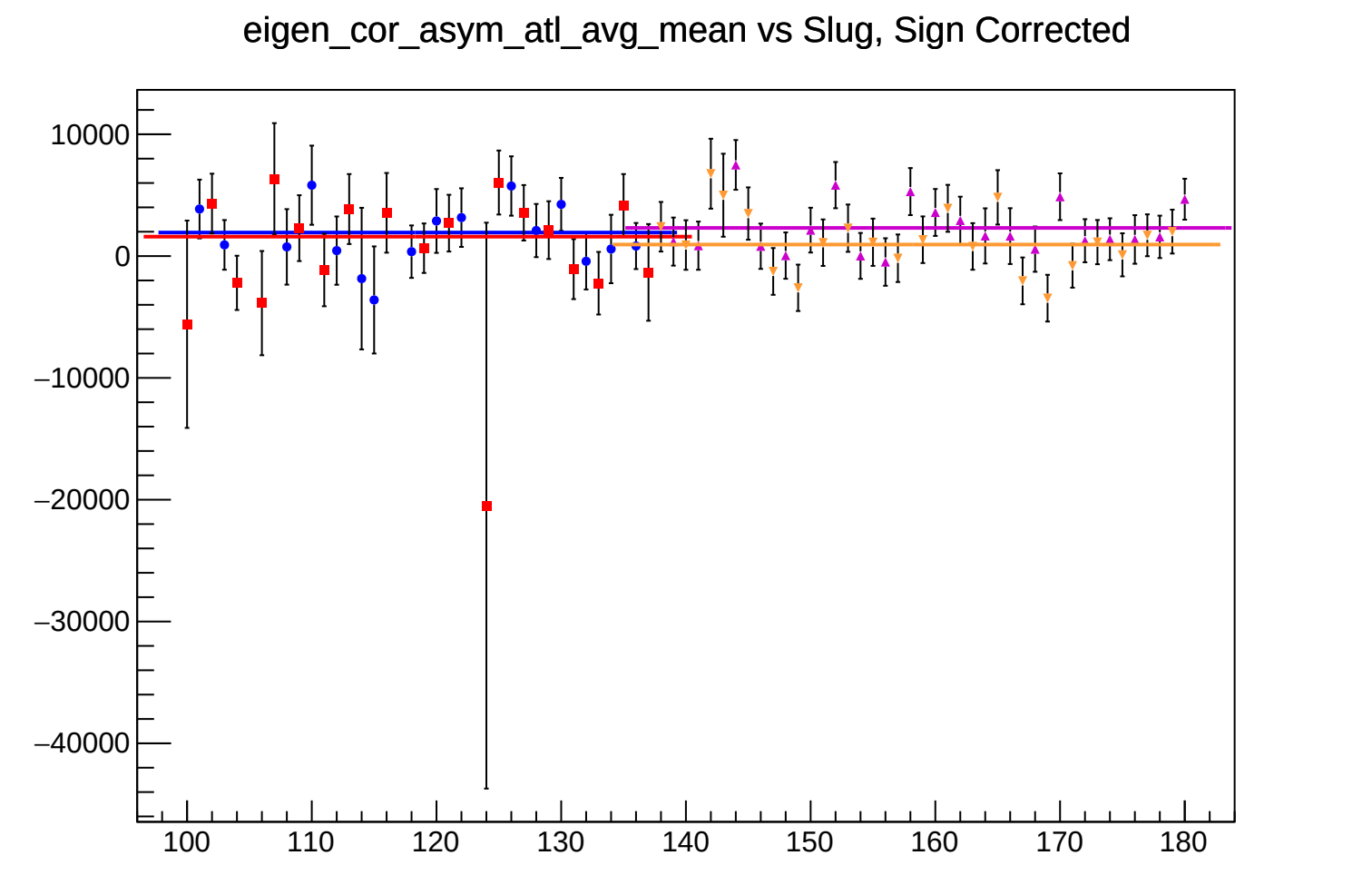
Left: 1997.704+/-0.356 χ^2/NDF: 37304606.2/42

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1736.614+/-0.371 χ^2/NDF:26737443.8/36

Out: 957.324+/-0.240 χ^2/NDF:32629470.7/40

All: 1186.717+/-0.201 χ^2/NDF: 62473901.7/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2312.604+/-416.078 χ^2/NDF:25.1/20

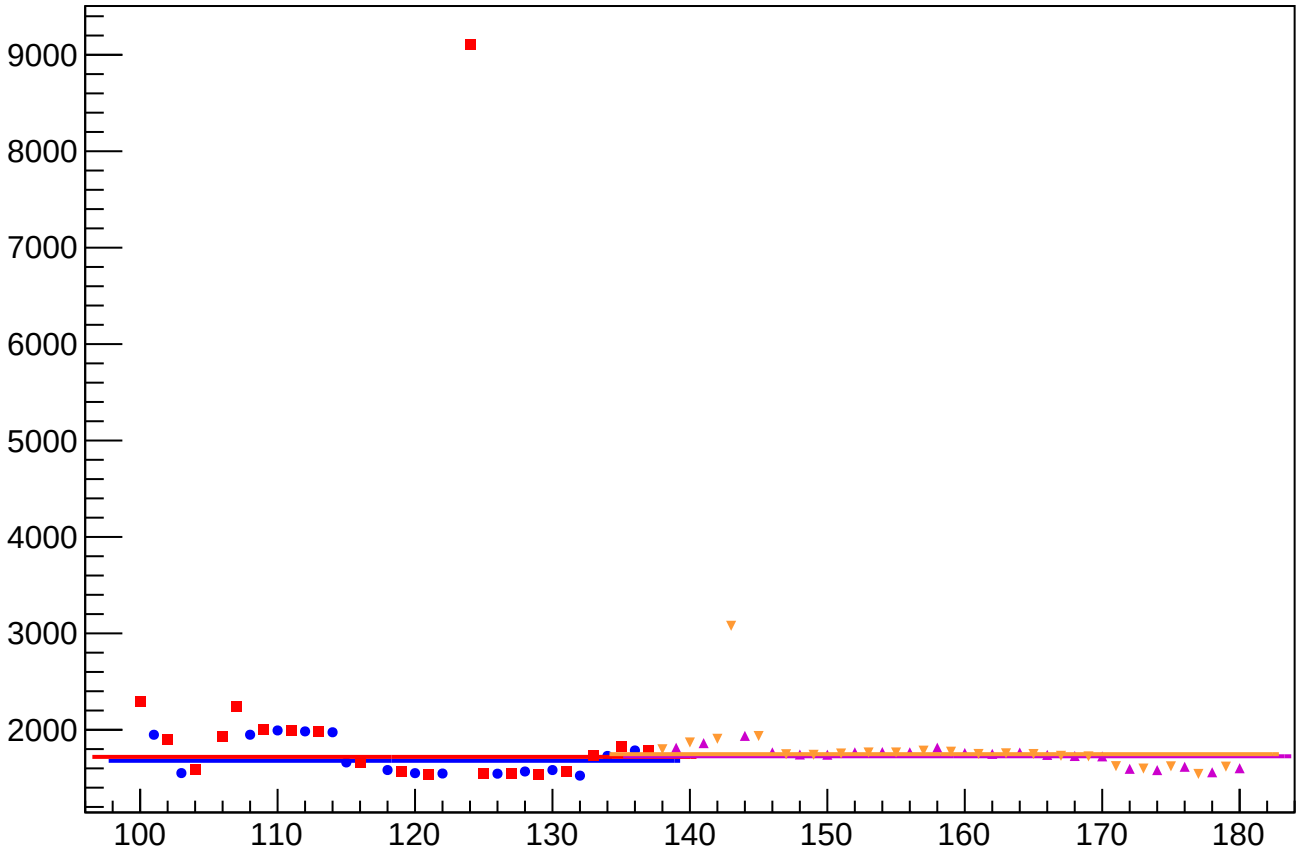
Left: 1637.285+/-295.711 χ^2/NDF: 58.3/42

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2197.342+/-346.835 χ^2/NDF:36.3/36

Out: 1142.226+/-351.709 χ^2/NDF:48.0/40

All: 1677.146+/-246.955 χ^2/NDF: 88.8/77



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1725.519+/-0.294 χ^2/NDF:104846.1/20

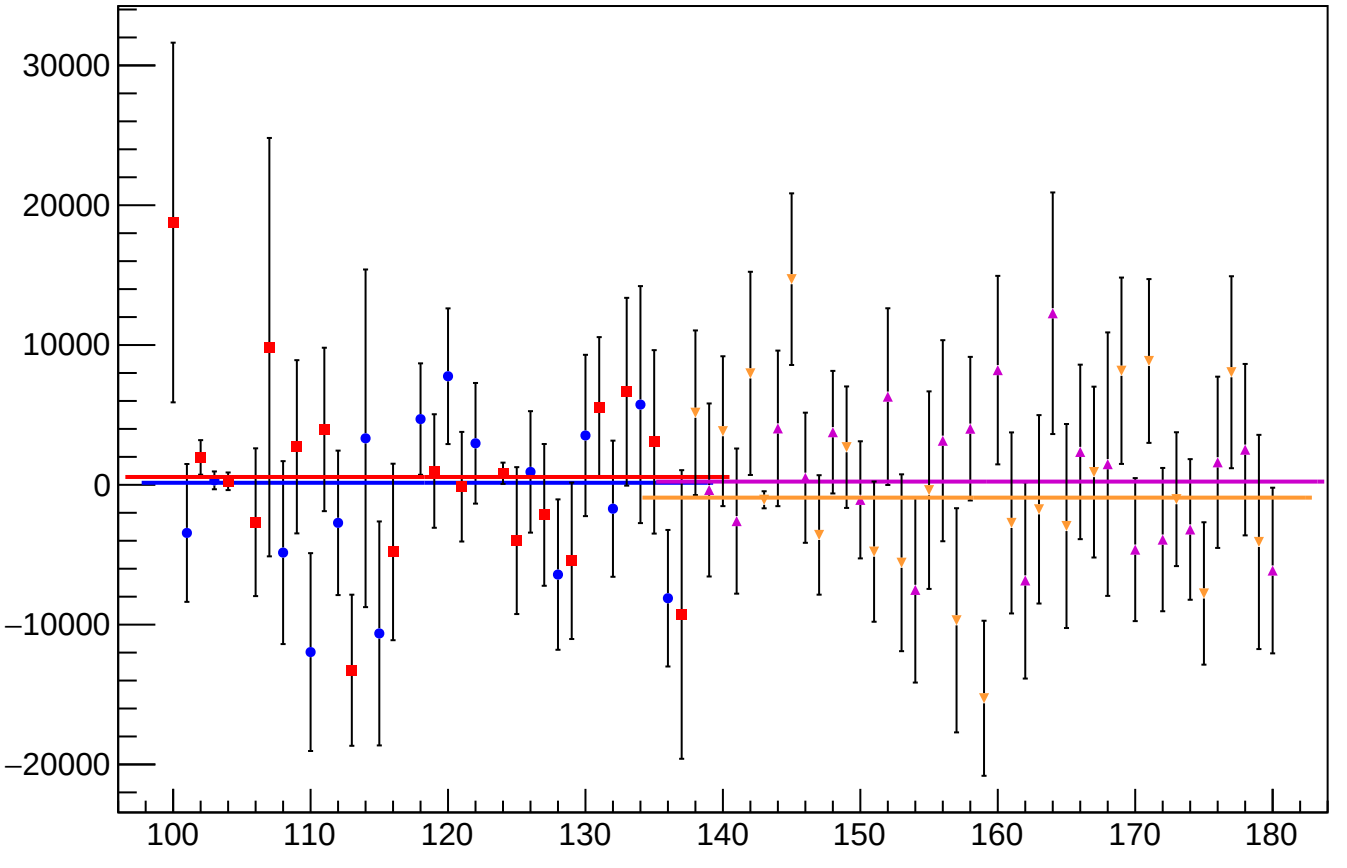
Left: 1736.354+/-0.209 χ^2/NDF: 516671.9/42

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1711.185+/-0.245 χ^2/NDF:254108.2/36

Out: 1738.884+/-0.248 χ^2/NDF:796736.4/40

All: 1724.859+/-0.175 χ^2/NDF: 1057141.9/77



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 231.479+/-1244.266 χ^2/NDF:12.4/20

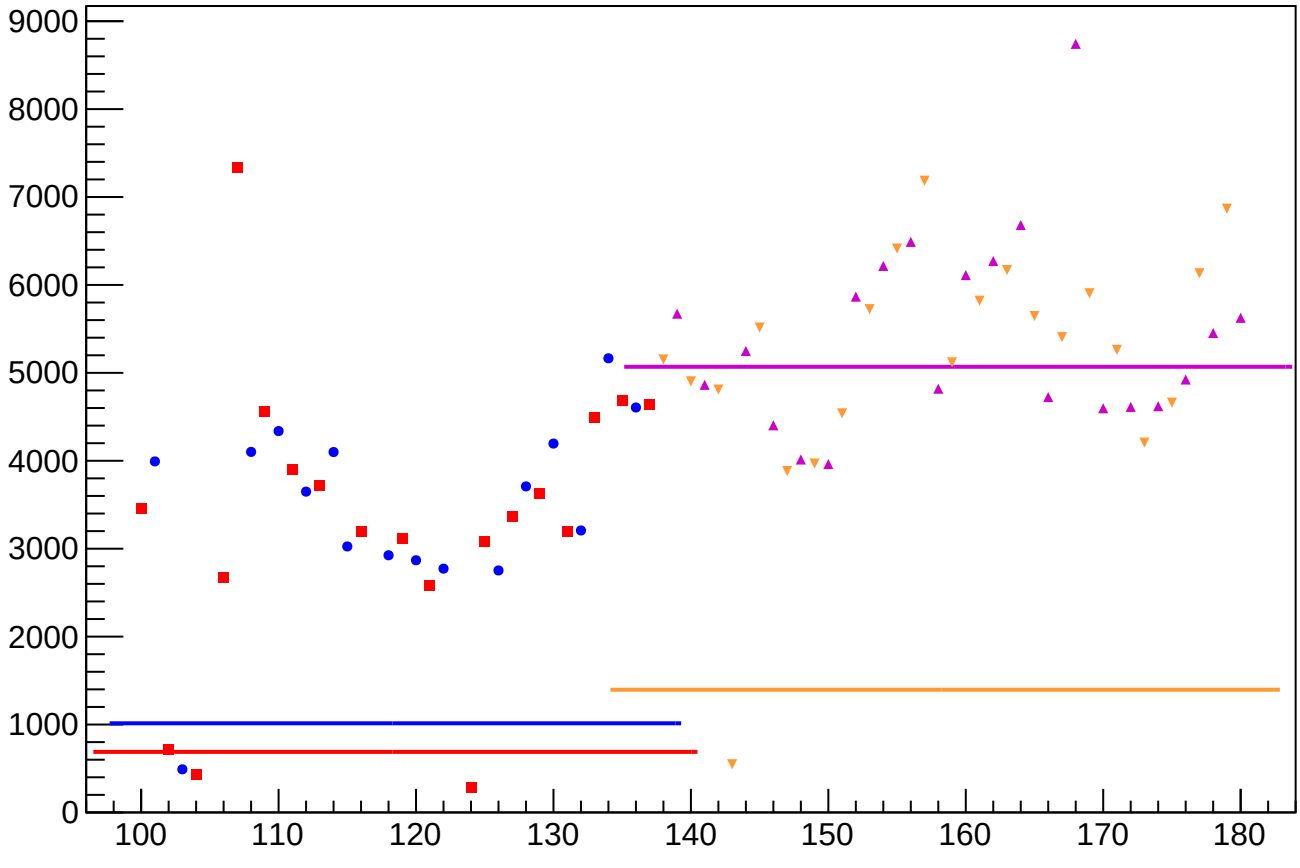
Left: -727.930+/-503.576 χ^2/NDF: 41.7/42

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 161.680+/-525.213 χ^2/NDF:28.2/36

Out: 0.891+/-339.223 χ^2/NDF:50.3/40

All: 48.221+/-284.955 χ^2/NDF: 78.5/77



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5069.223+/-0.880 χ^2/NDF:1056496.8/20

Left: 1997.704+/-0.356 χ^2/NDF: 37304606.2/42

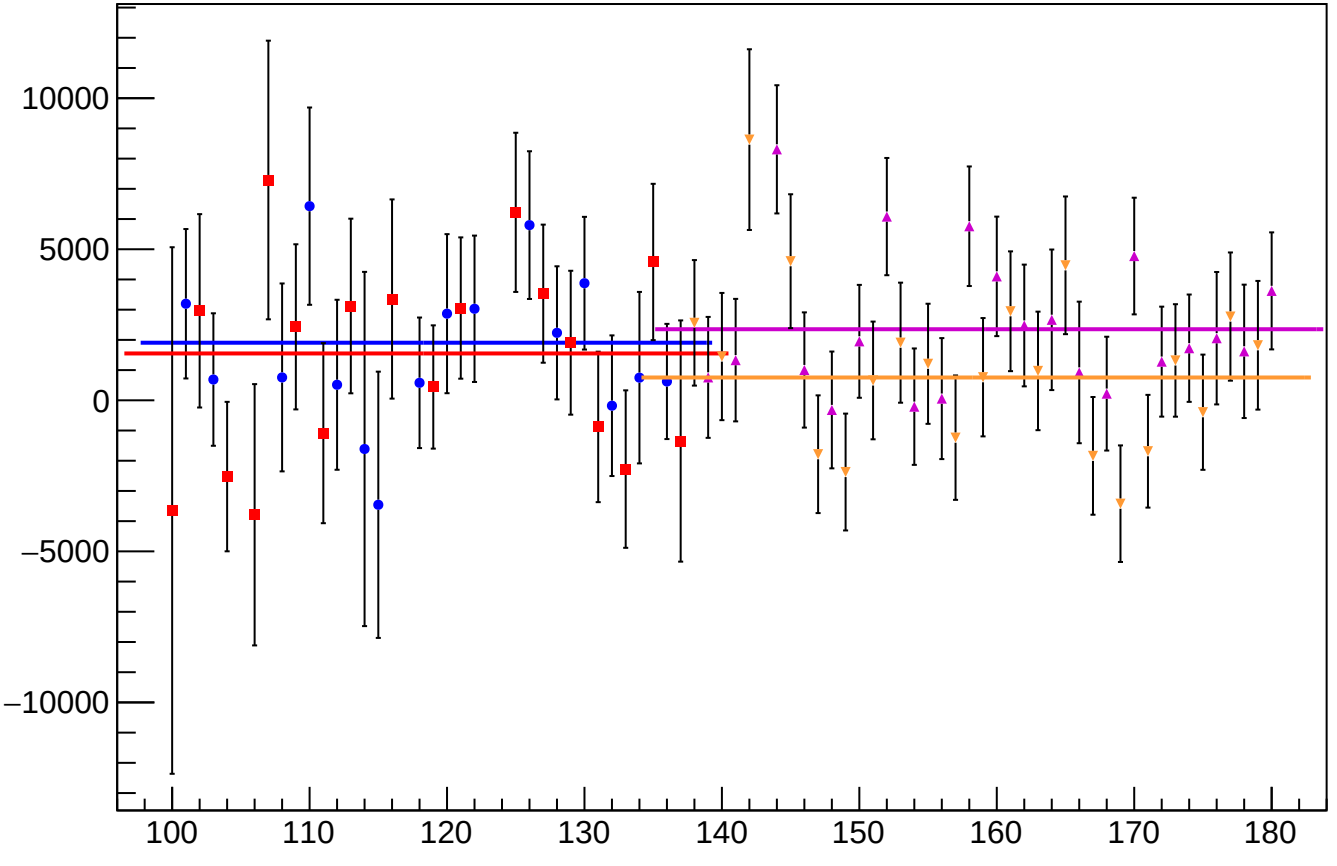
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1736.614+/-0.371 χ^2/NDF:26737443.8/36

Out: 957.324+/-0.240 χ^2/NDF:32629470.7/40

All: 1186.717+/-0.201 χ^2/NDF: 62473901.7/7

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.253+/-442.709 χ^2/NDF:30.1/20

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2352.808+/-434.328 χ^2/NDF:26.0/20

Left: 1569.294+/-310.037 χ^2/NDF: 62.8/41

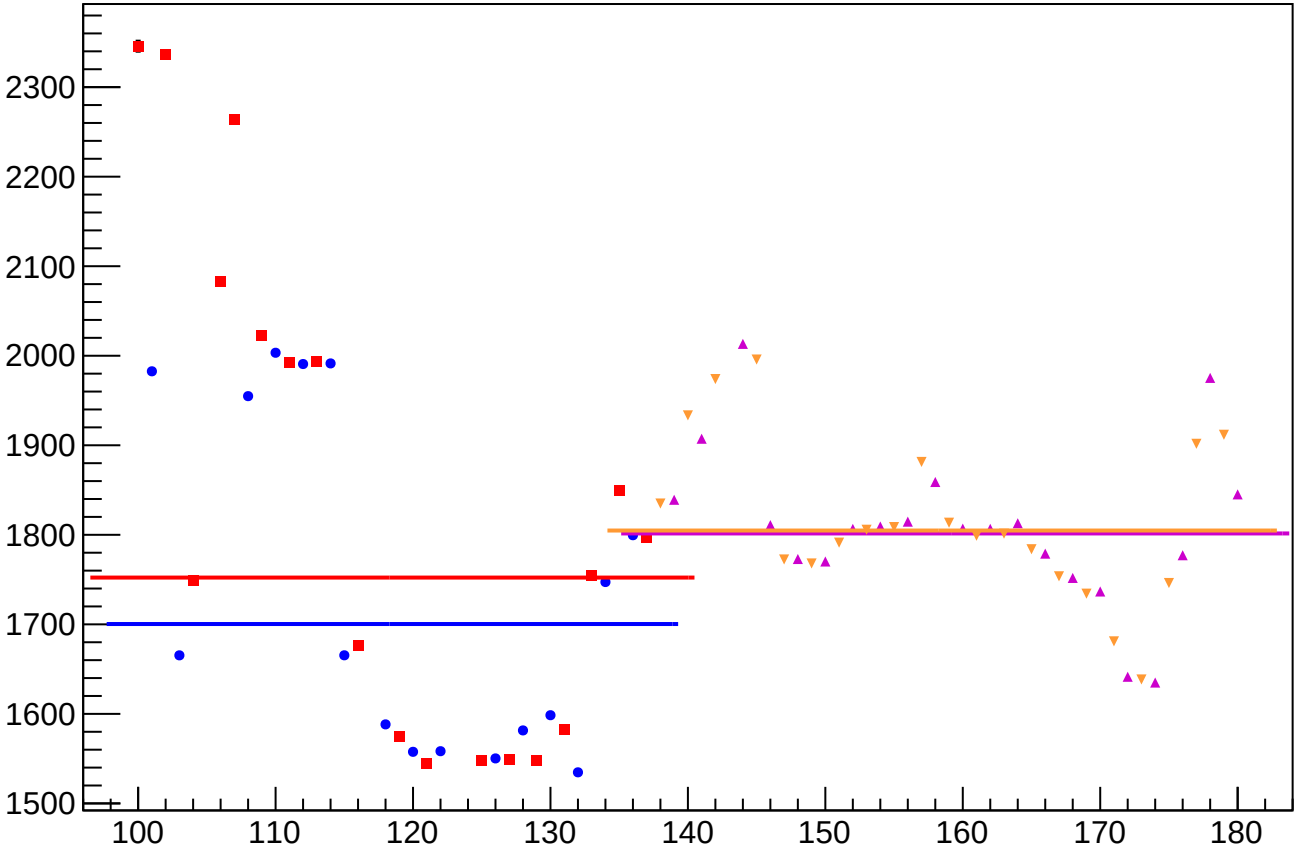
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2210.902+/-358.750 χ^2/NDF:36.6/36

Out: 1001.636+/-367.840 χ^2/NDF:48.6/38

All: 1621.395+/-256.828 χ^2/NDF: 90.7/75

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1804.783+/-0.313 χ^2/NDF:73436.7/20

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1801.522+/-0.307 χ^2/NDF:79533.3/20

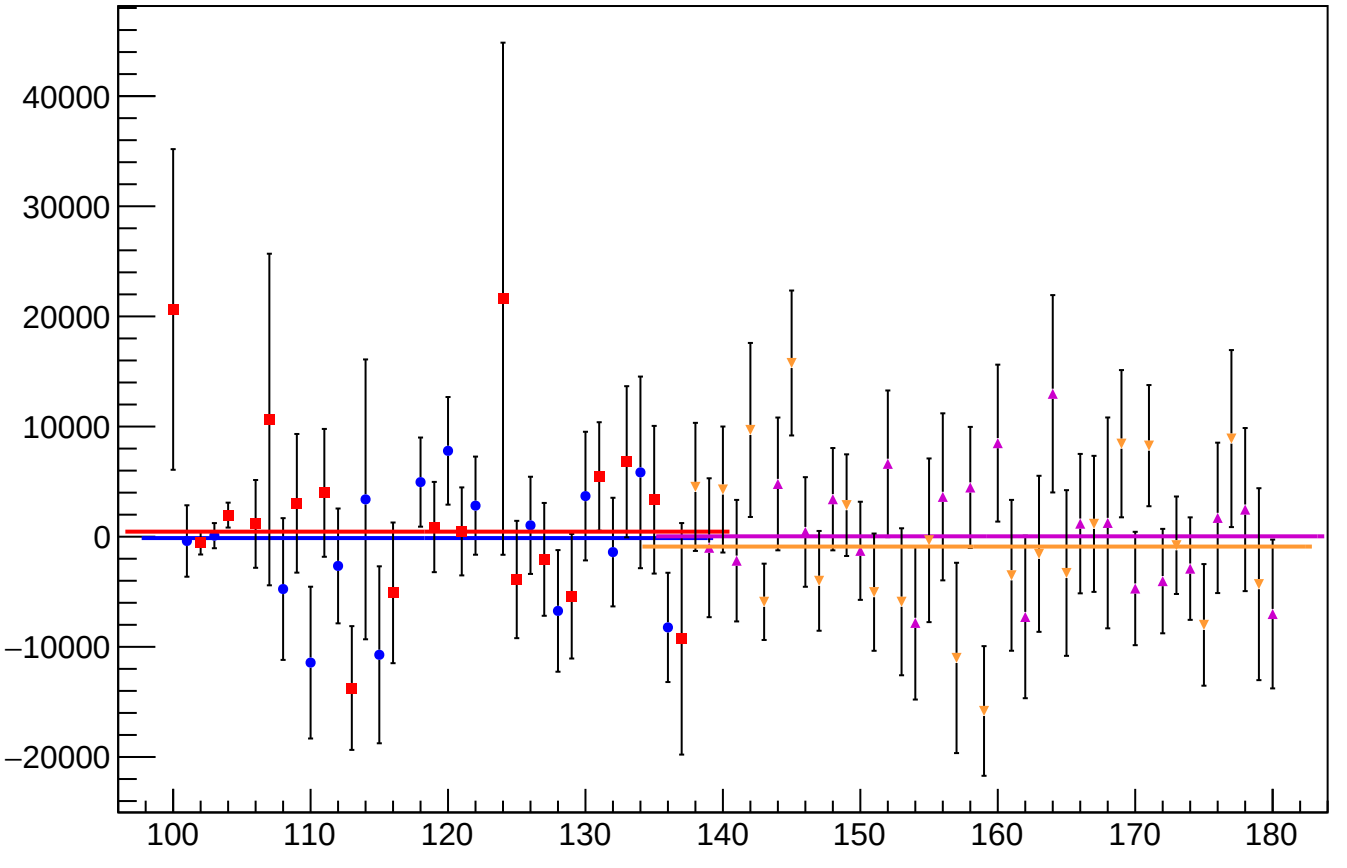
Left: 1803.121+/-0.219 χ^2/NDF: 153025.3/41

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1769.377+/-0.254 χ^2/NDF:249429.5/36

Out: 1788.463+/-0.260 χ^2/NDF:330140.5/38

All: 1778.688+/-0.182 χ^2/NDF: 582331.4/75



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -896.052+/-1240.817 χ^2/NDF:30.5/21

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 34.657+/-1298.841 χ^2/NDF:12.3/20

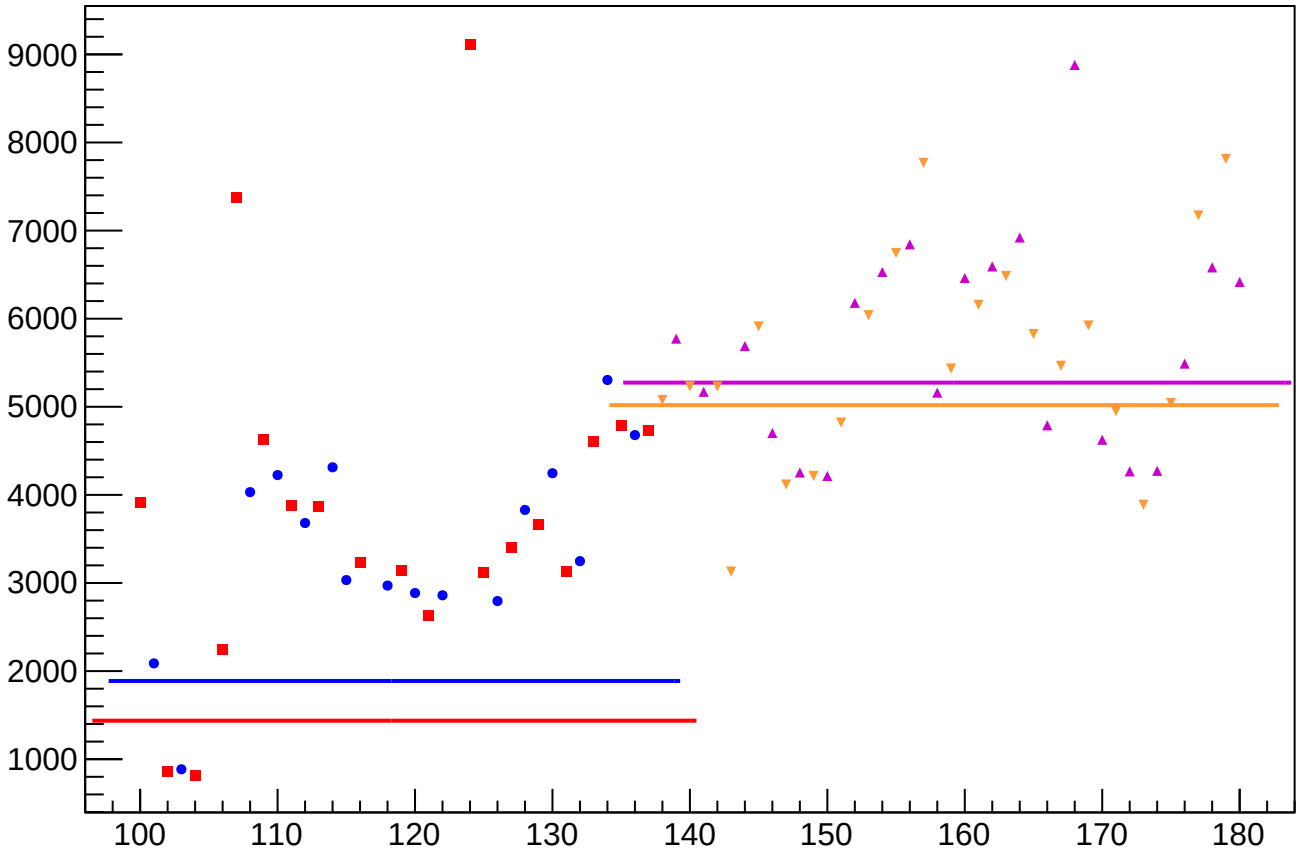
Left: -451.951+/-897.202 χ^2/NDF: 43.1/42

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -76.061+/-721.475 χ^2/NDF:27.4/36

Out: 146.958+/-595.754 χ^2/NDF:49.9/40

All: 56.542+/-459.381 χ^2/NDF: 77.4/77



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5018.874+/-0.877 χ^2/NDF:1837456.8/21

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5274.307+/-0.918 χ^2/NDF:1266368.8/20

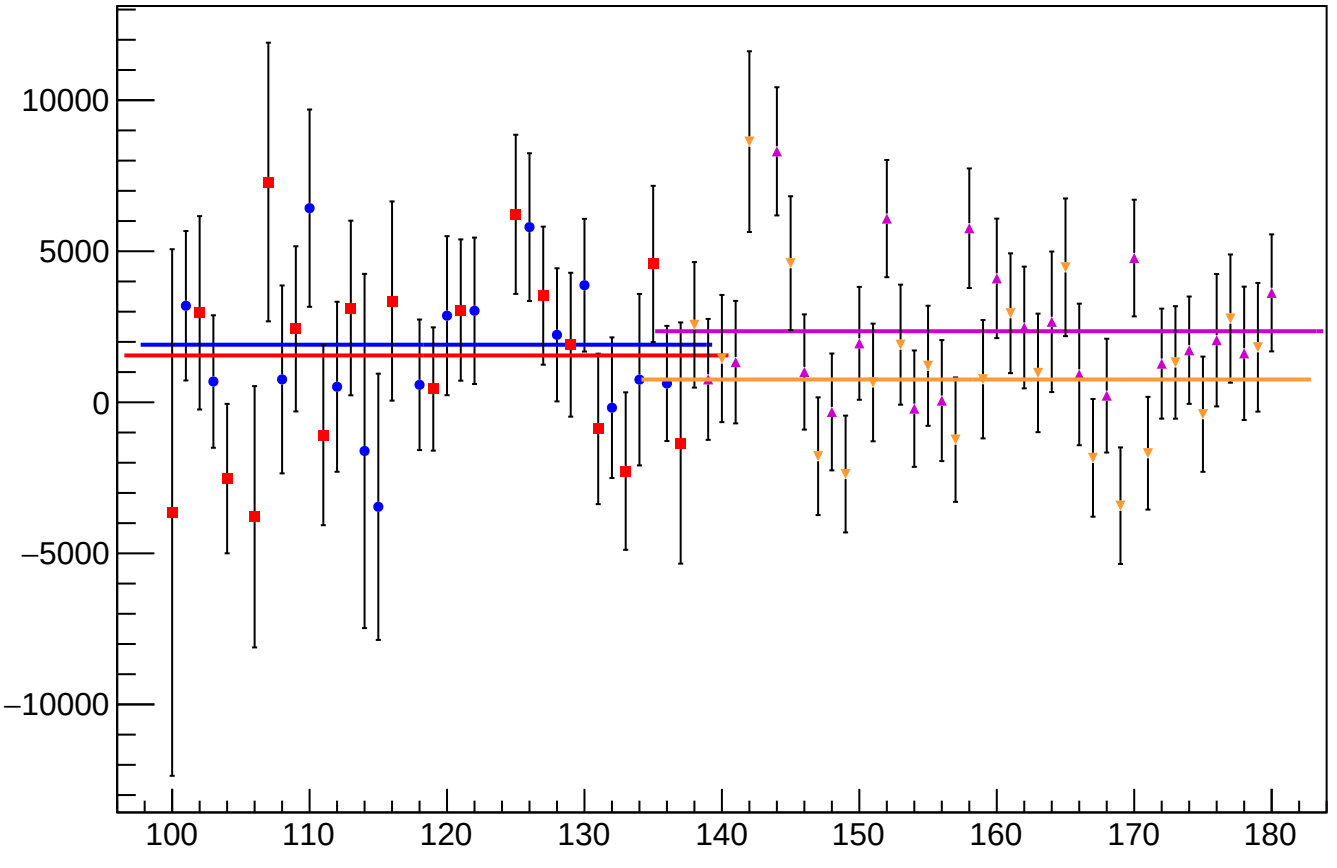
Left: 5140.758+/-0.634 χ^2/NDF: 3144268.0/42

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2932.856+/-0.510 χ^2/NDF:15092094.3/36

Out: 2262.796+/-0.421 χ^2/NDF:20625053.2/40

All: 2534.451+/-0.325 χ^2/NDF: 36742861.6/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.249+/-442.709 χ^2/NDF:30.1/20

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2352.808+/-434.329 χ^2/NDF:26.0/20

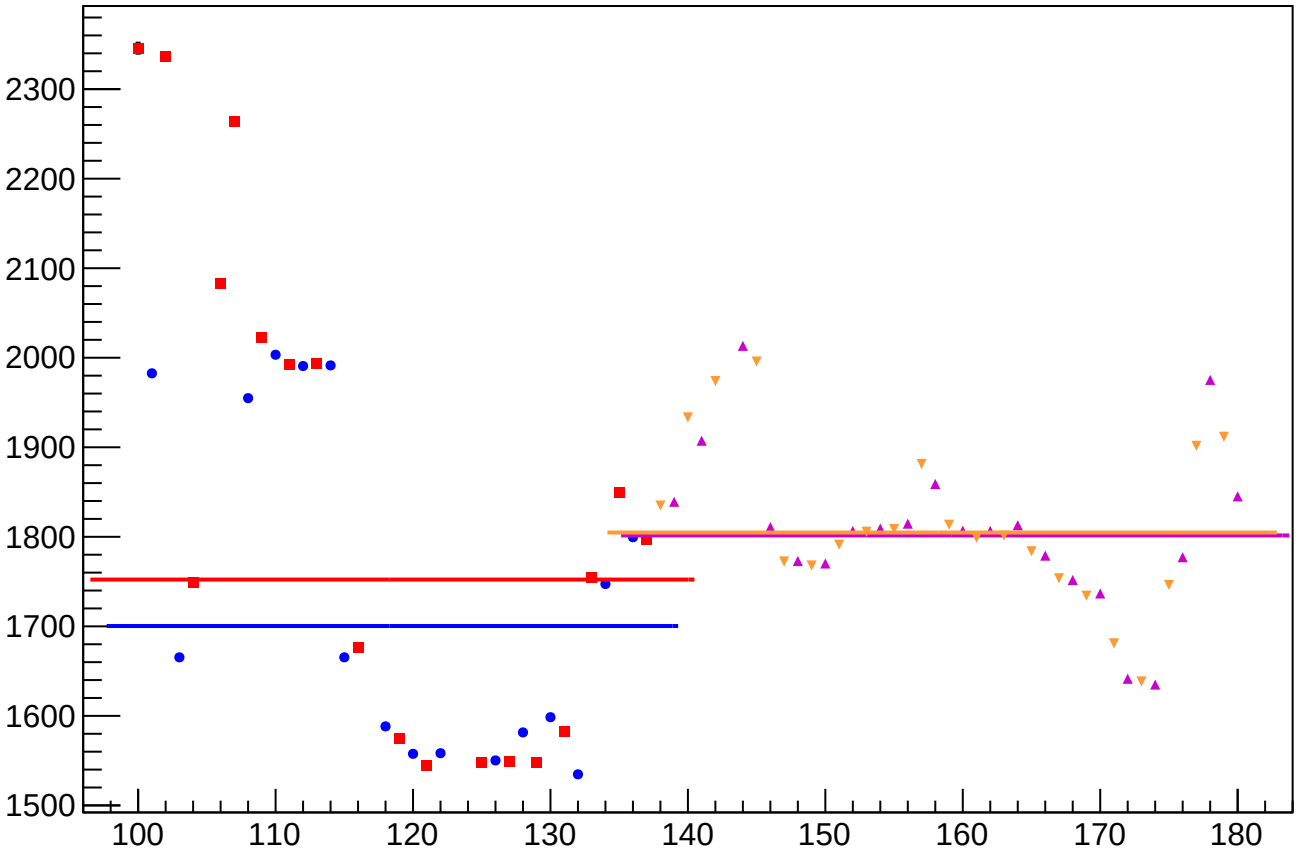
Left: 1569.292+/-310.037 χ^2/NDF: 62.8/41

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2210.902+/-358.750 χ^2/NDF:36.6/36

Out: 1001.633+/-367.840 χ^2/NDF:48.6/38

All: 1621.393+/-256.828 χ^2/NDF: 90.7/75



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1804.784+/-0.313 χ^2/NDF:73440.4/20

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1801.523+/-0.307 χ^2/NDF:79536.7/20

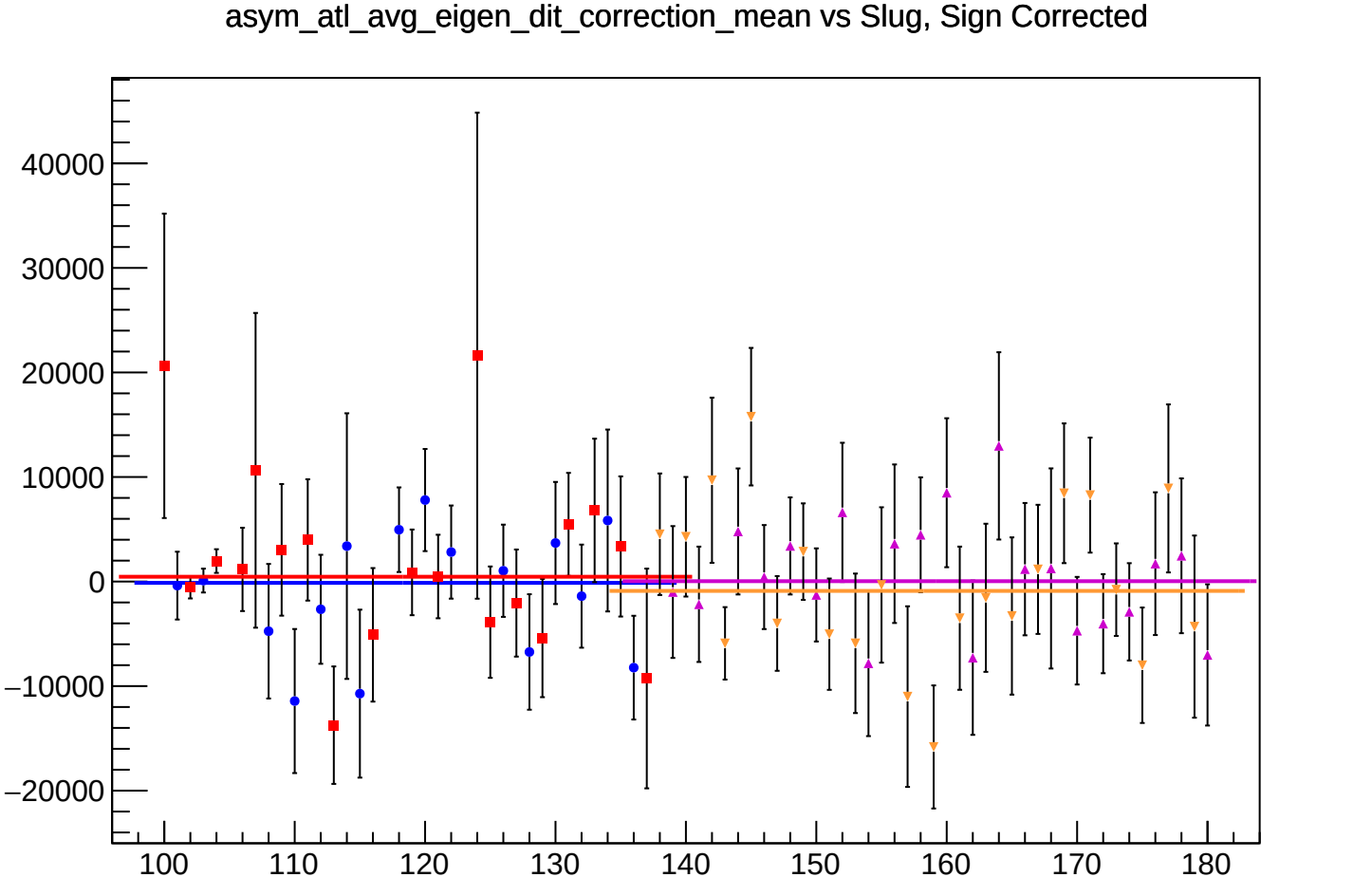
Left: 1803.122+/-0.219 χ^2/NDF: 153032.5/41

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1769.378+/-0.254 χ^2/NDF:249434.2/36

Out: 1788.463+/-0.260 χ^2/NDF:330144.3/38

All: 1778.689+/-0.182 χ^2/NDF: 582339.8/75



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -896.058+/-1240.819 χ^2/NDF:30.5/21

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 34.657+/-1298.843 χ^2/NDF:12.3/20

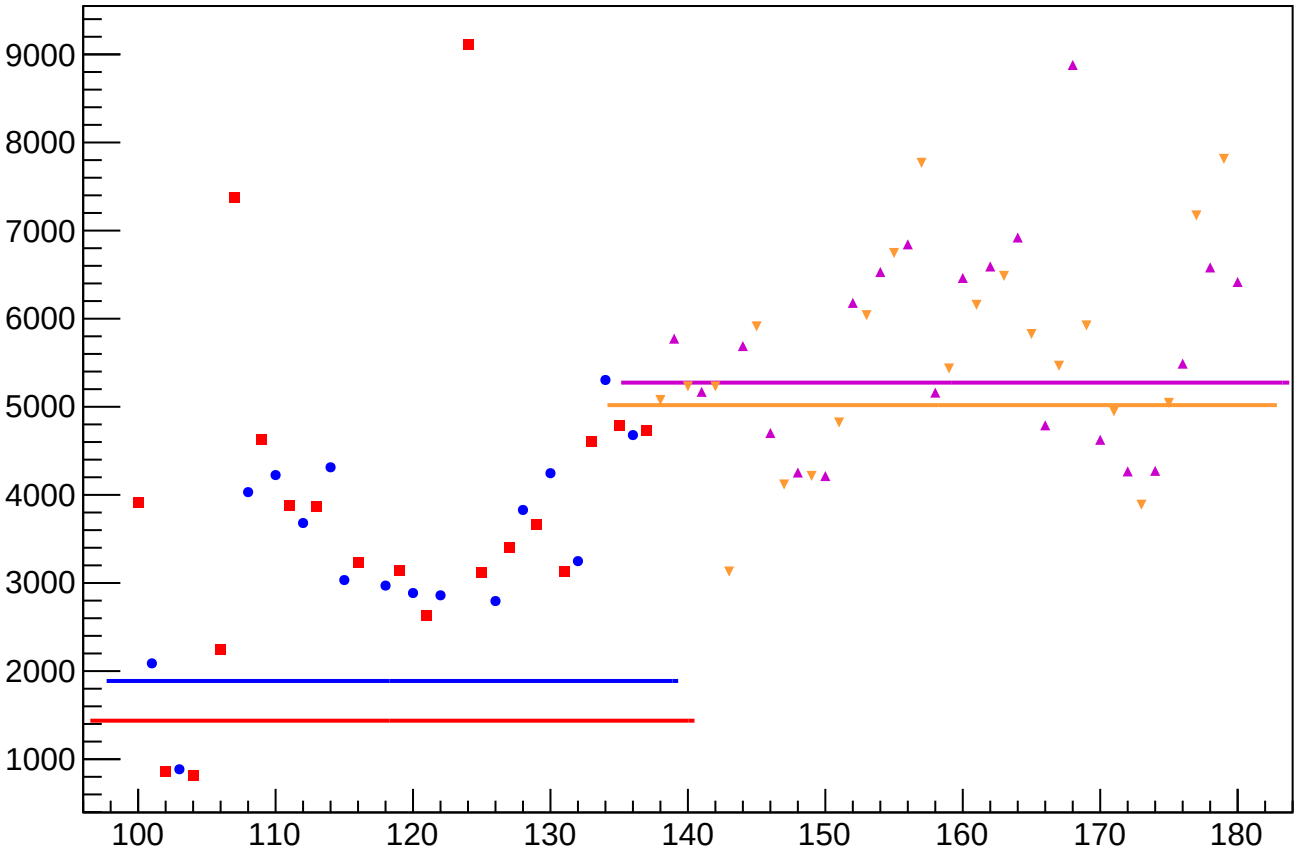
Left: -451.954+/-897.203 χ^2/NDF: 43.1/42

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -76.058+/-721.472 χ^2/NDF:27.4/36

Out: 146.960+/-595.751 χ^2/NDF:49.9/40

All: 56.544+/-459.379 χ^2/NDF: 77.4/77



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5018.882+/-0.877 χ^2/NDF:1837463.6/21

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5274.316+/-0.918 χ^2/NDF:1266370.0/20

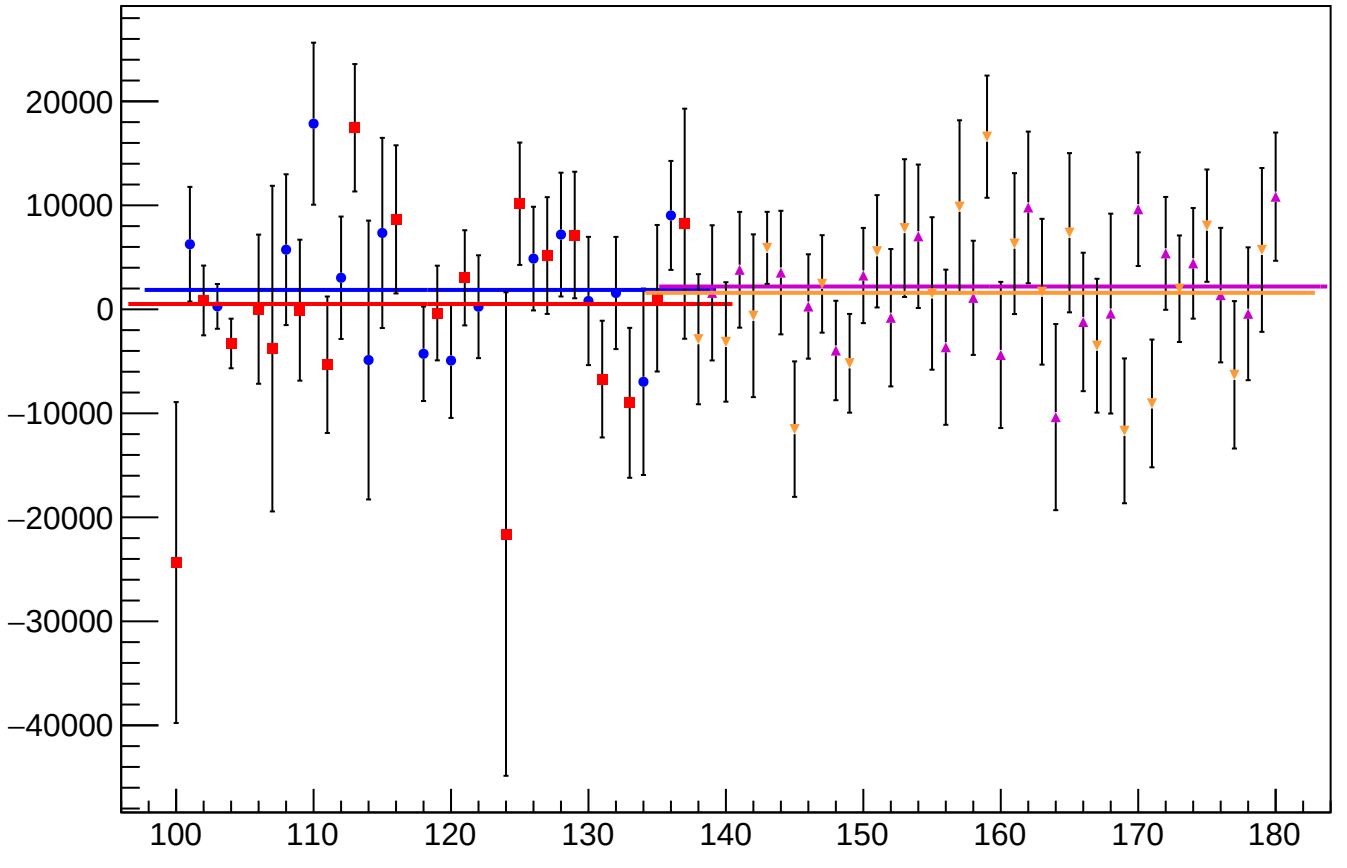
Left: 5140.766+/-0.634 χ^2/NDF: 3144276.2/42

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2932.836+/-0.510 χ^2/NDF:15092289.0/36

Out: 2262.776+/-0.421 χ^2/NDF:20625257.6/40

All: 2534.430+/-0.325 χ^2/NDF: 36743269.0/7



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1588.445+/-1262.826 χ^2/NDF:29.2/21

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 2193.244+/-1321.115 χ^2/NDF:12.1/20

Left: 1877.208+/-912.864 χ^2/NDF: 41.4/42

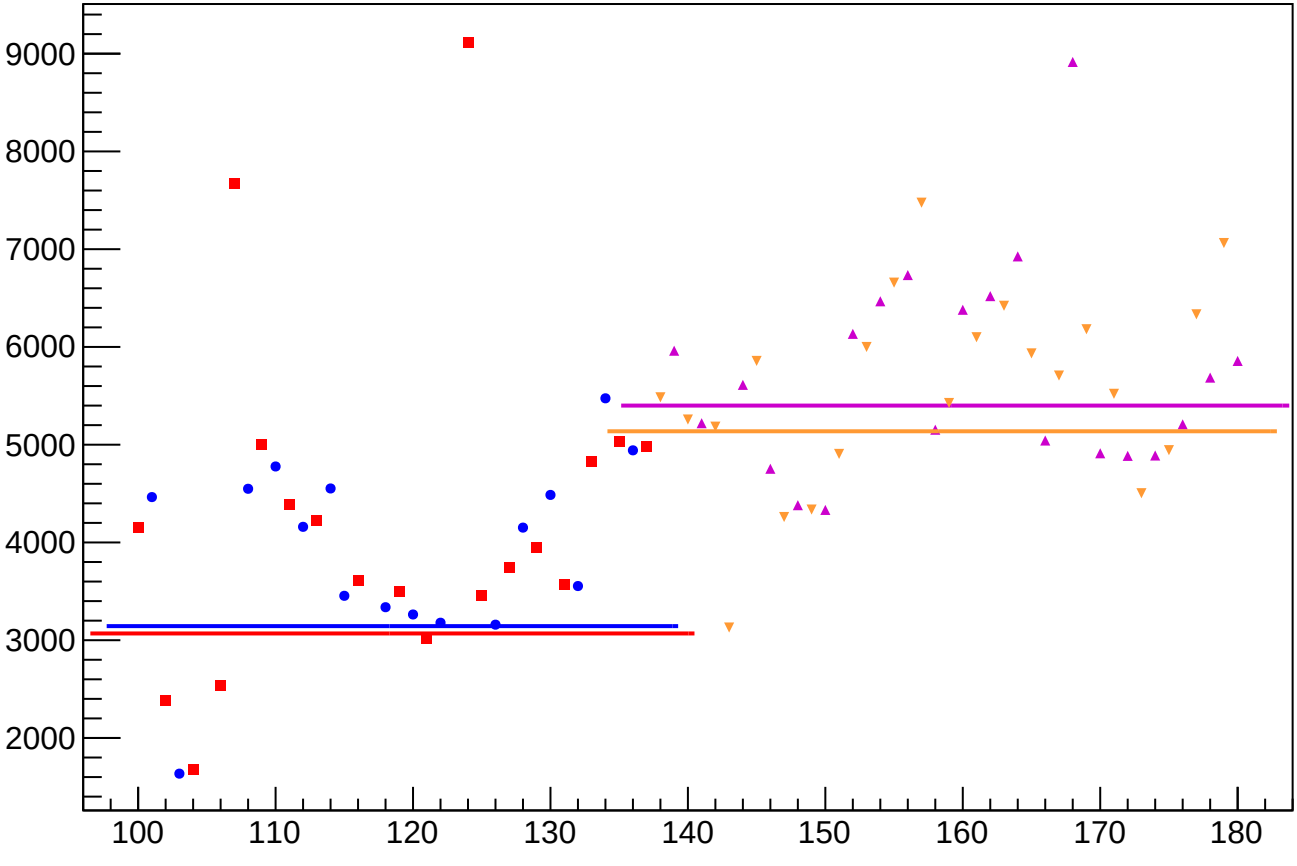
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 2022.097+/-911.487 χ^2/NDF:26.0/36

Out: 1041.331+/-885.322 χ^2/NDF:54.2/40

All: 1517.435+/-635.066 χ^2/NDF: 80.8/77

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5137.264+/-0.893 χ^2/NDF:1524174.1/21

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5400.127+/-0.934 χ^2/NDF:879610.9/20

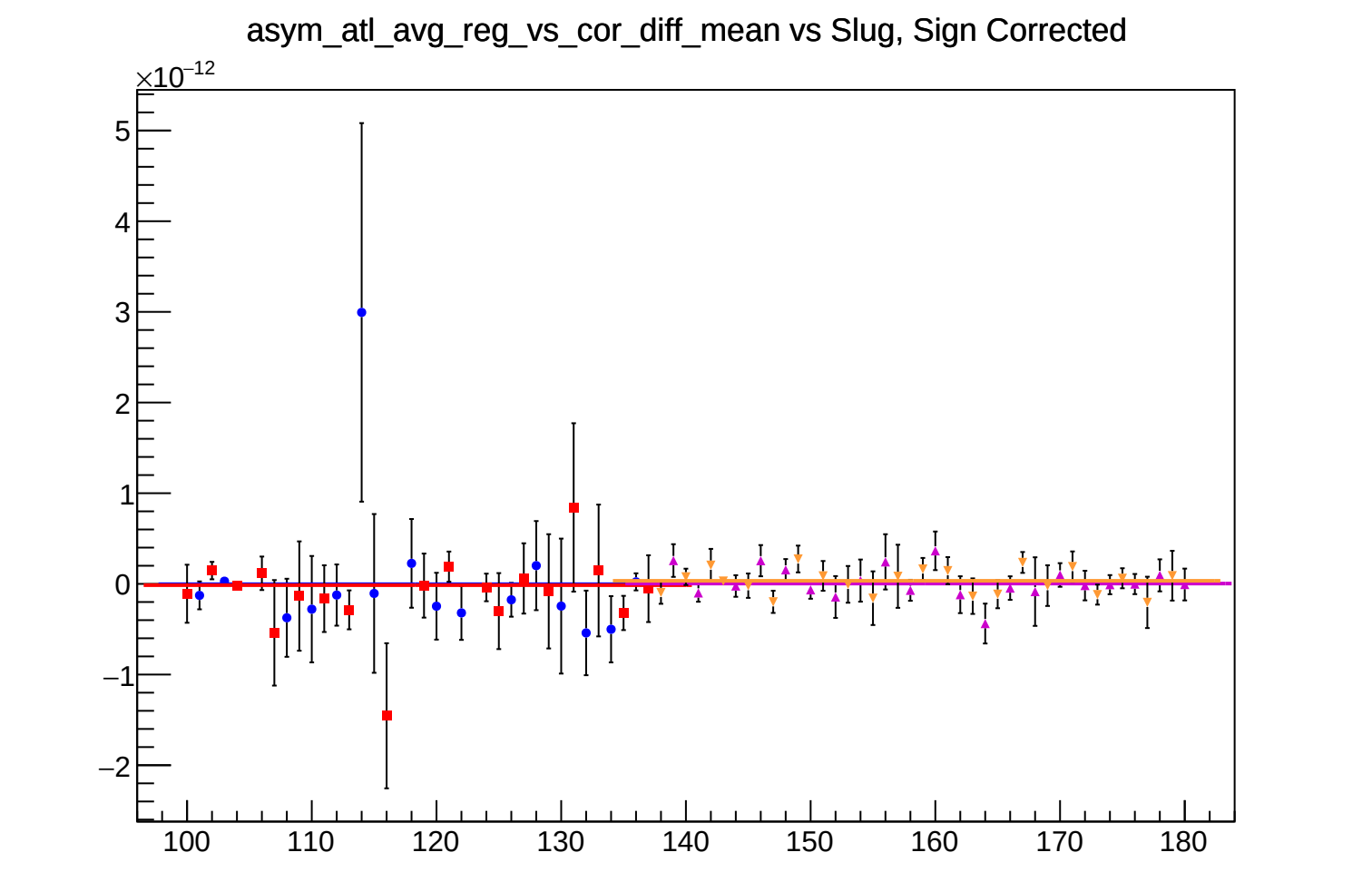
Left: 5262.769+/-0.645 χ^2/NDF: 2445159.3/42

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4218.016+/-0.645 χ^2/NDF:5818685.0/36

Out: 4069.353+/-0.621 χ^2/NDF:6175714.7/40

All: 4140.923+/-0.447 χ^2/NDF: 12021989.8/7



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/20

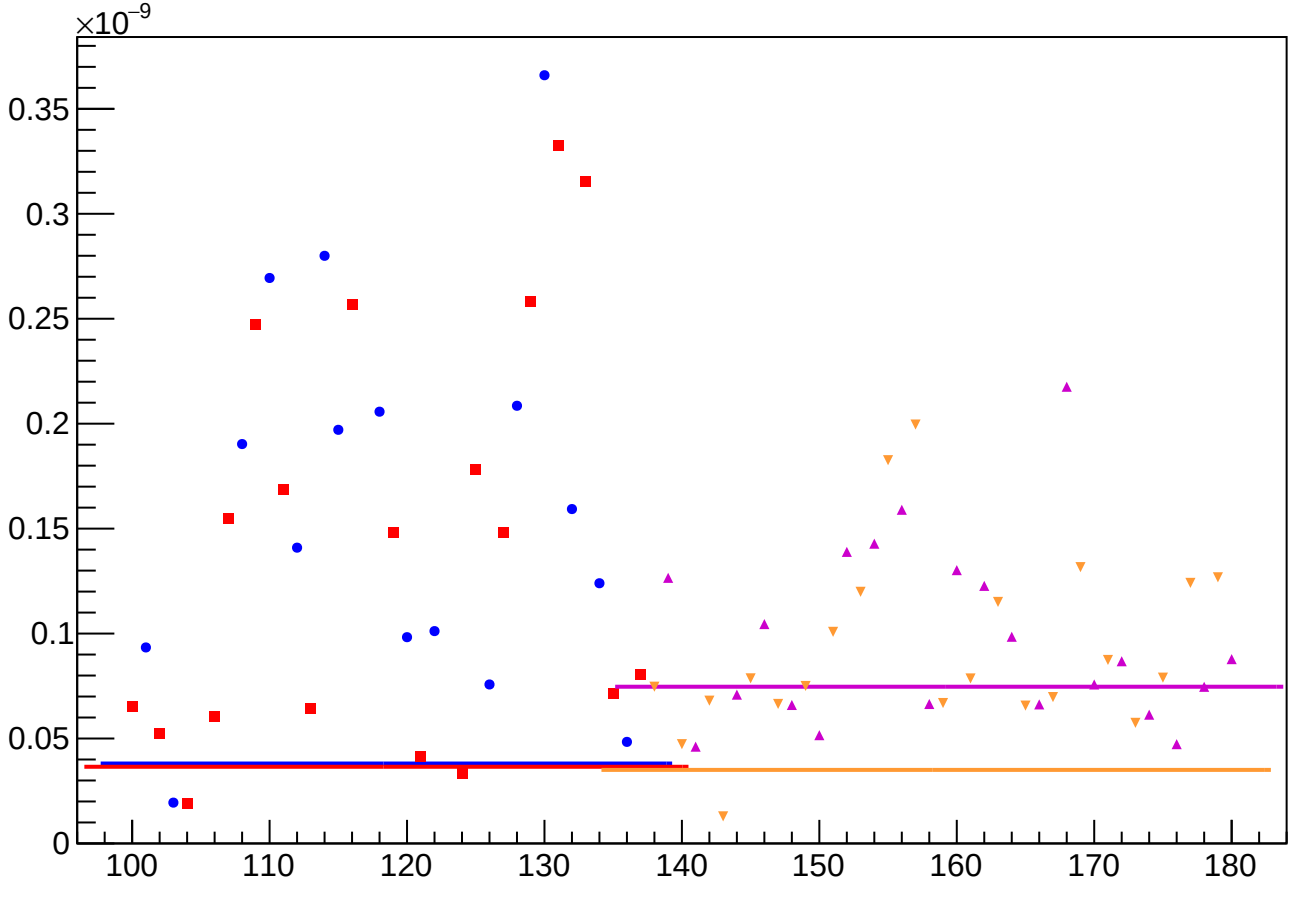
Left: 0.000+/-0.000 χ^2/NDF: 37.2/42

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:27.9/36

Out: 0.000+/-0.000 χ^2/NDF:35.9/40

All: 0.000+/-0.000 χ^2/NDF: 64.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6500047.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1752942.5/20

Left: 0.000+/-0.000 χ^2/NDF: 10573281.2/42

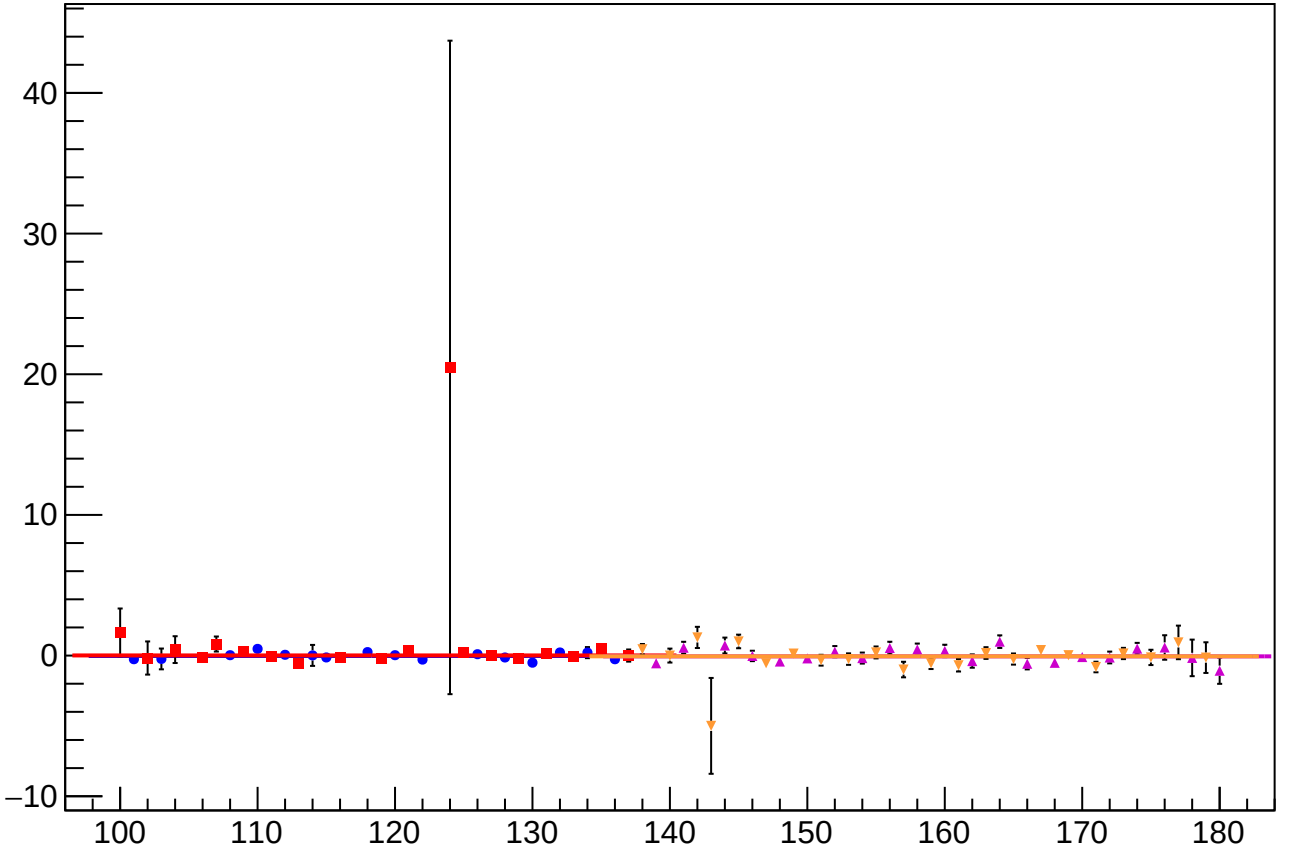
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5886002.5/36

Out: 0.000+/-0.000 χ^2/NDF:9186633.3/40

All: 0.000+/-0.000 χ^2/NDF: 16312928.2/77

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: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.054+/-0.084 χ^2/NDF:27.5/20

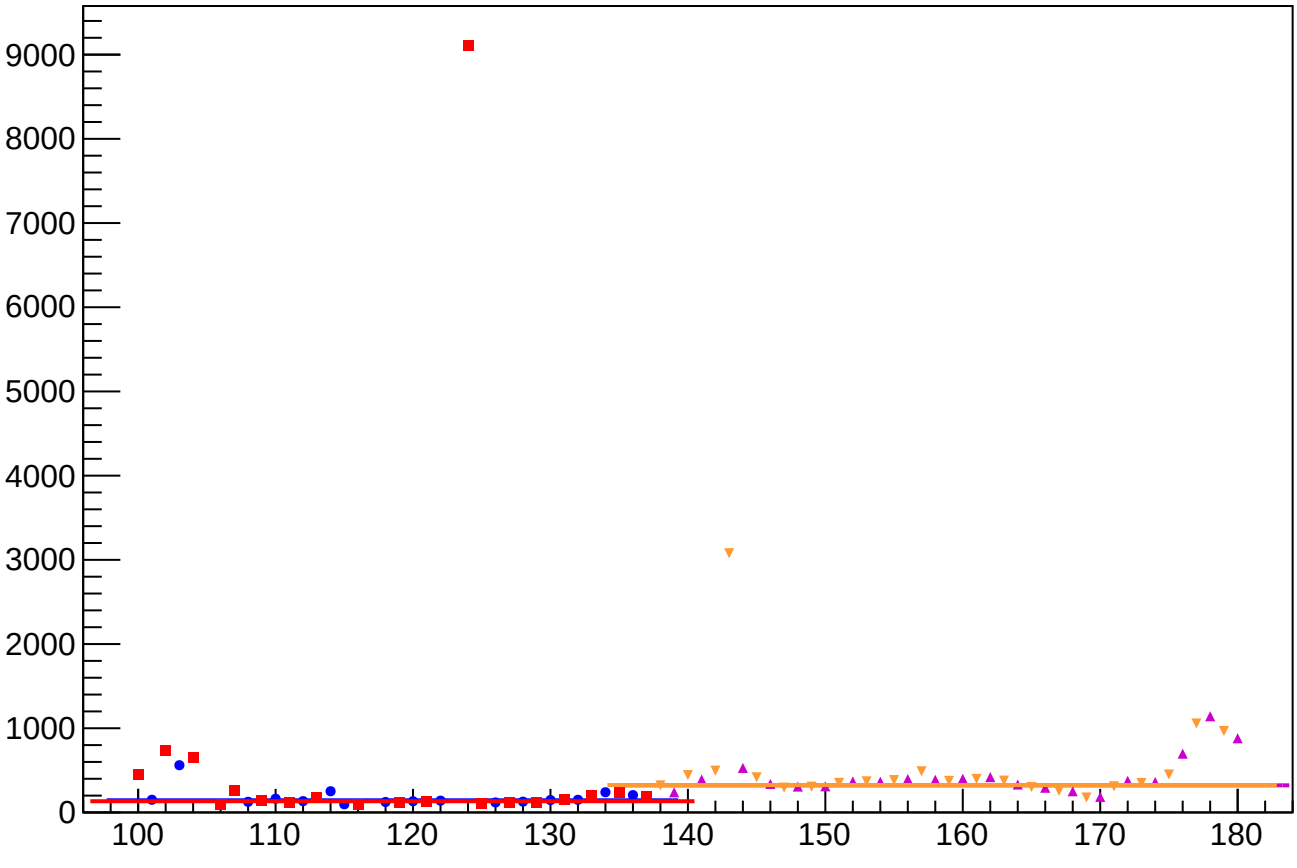
Left: -0.053+/-0.060 χ^2/NDF: 57.7/42

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.037+/-0.048 χ^2/NDF:44.8/36

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.022+/-0.034 χ^2/NDF: 97.4/77



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

Left: 323.783+/-0.042 χ^2/NDF: 8526787.5/42

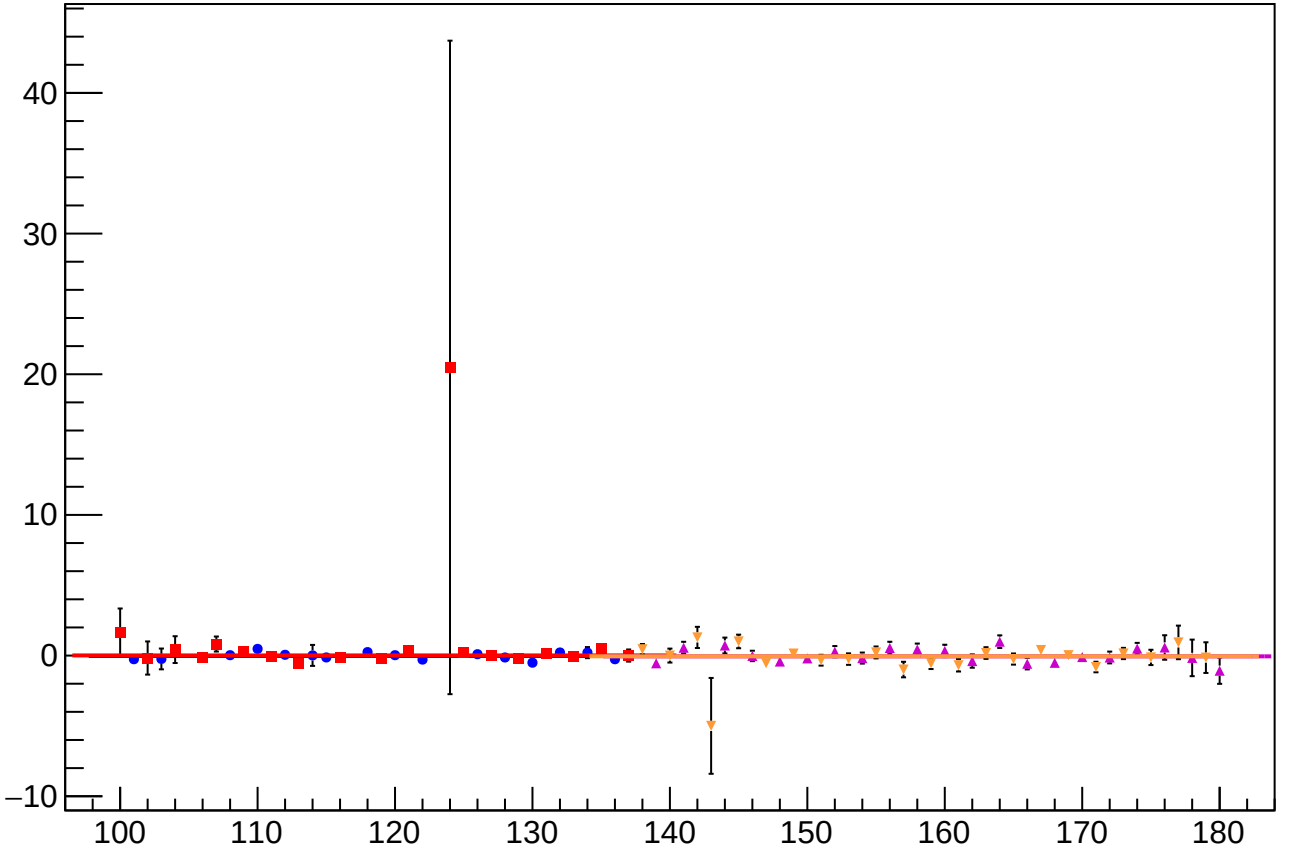
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 201.747+/-0.034 χ^2/NDF:11003051.6/36

Out: 191.378+/-0.033 χ^2/NDF:13981571.5/40

All: 196.521+/-0.024 χ^2/NDF: 25032488.6/77

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.054+/-0.084 χ^2/NDF:27.5/20

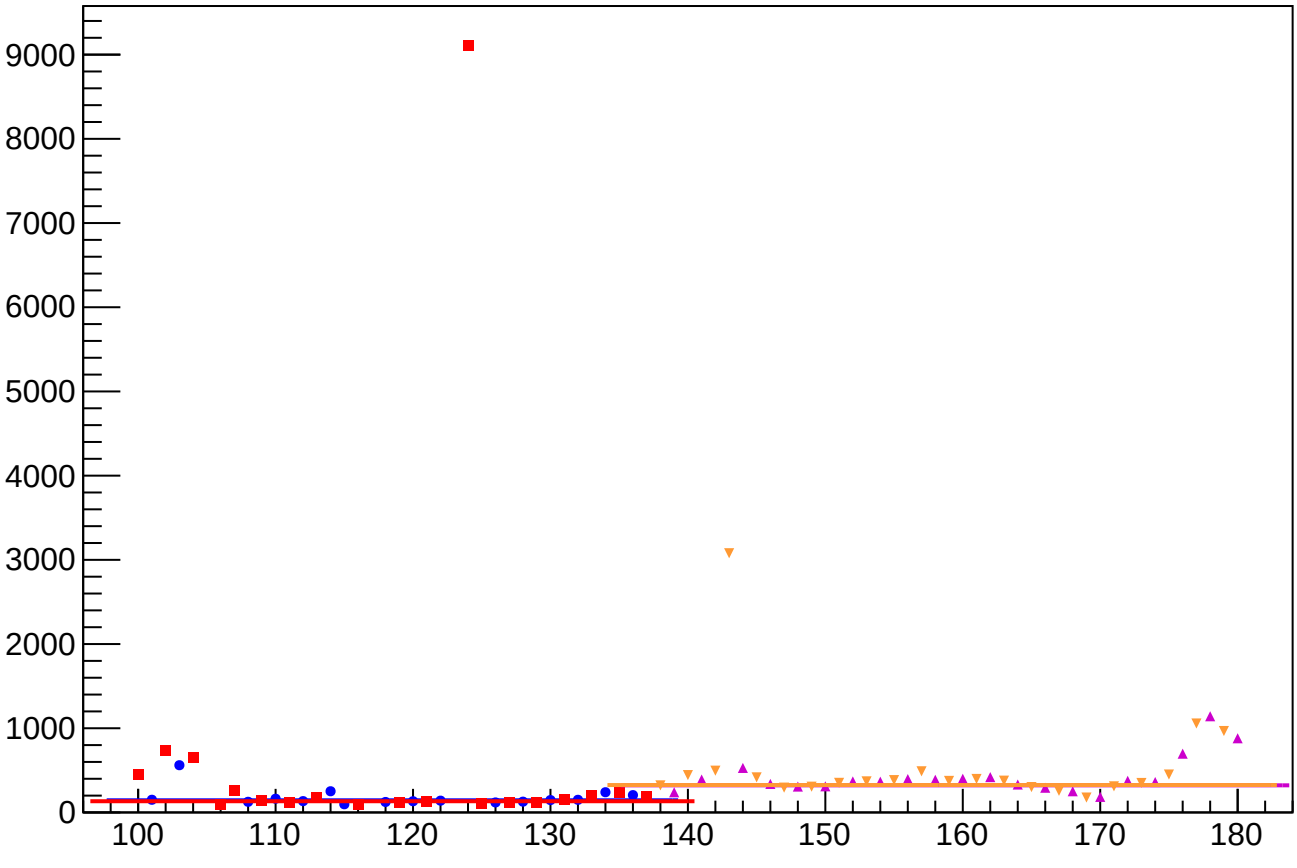
Left: -0.053+/-0.060 χ^2/NDF: 57.7/42

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.037+/-0.048 χ^2/NDF:44.8/36

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.022+/-0.034 χ^2/NDF: 97.4/77



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 322.133+/-0.059 χ^2/NDF:3762964.5/20

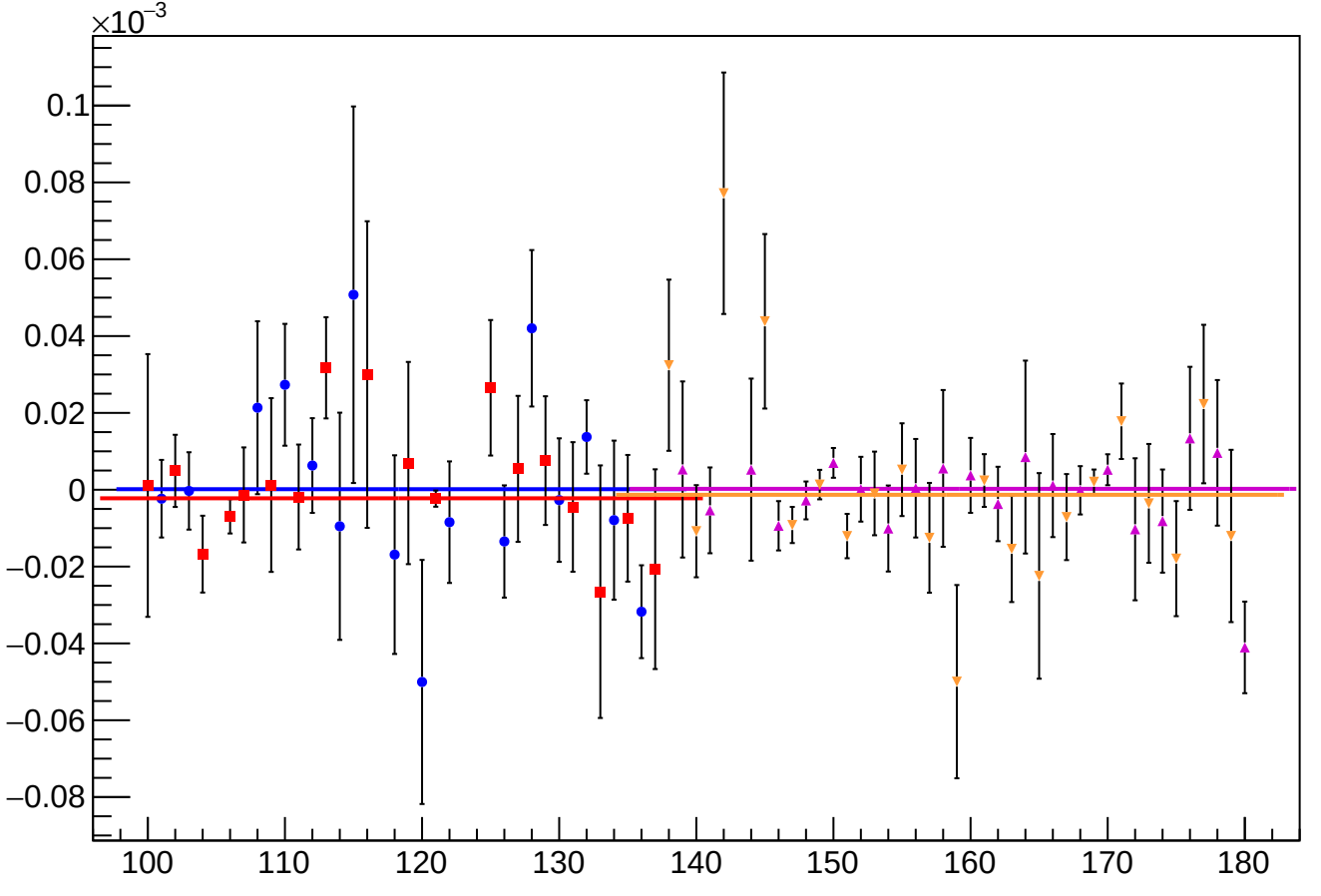
Left: 323.783+/-0.042 χ^2/NDF: 8526787.5/42

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 201.747+/-0.034 χ^2/NDF:11003051.6/36

Out: 191.378+/-0.033 χ^2/NDF:13981571.5/40

All: 196.521+/-0.024 χ^2/NDF: 25032488.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:22.3/20

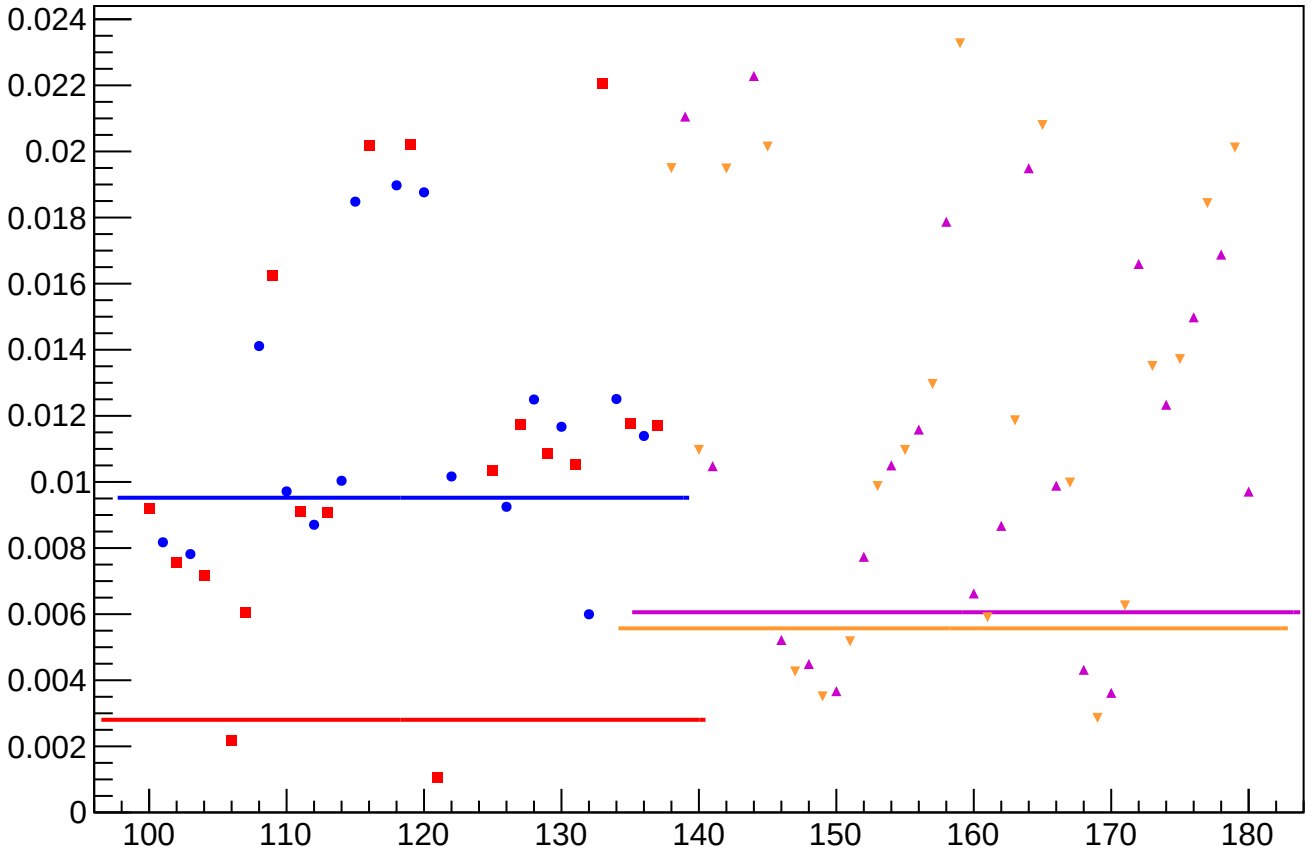
Left: -0.000+/-0.000 χ^2/NDF: 57.1/41

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:45.1/36

Out: -0.000+/-0.000 χ^2/NDF:50.2/38

All: -0.000+/-0.000 χ^2/NDF: 96.2/75



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:10947965.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:8697817.8/20

Left: 0.006+/-0.000 χ^2/NDF: 19722081.5/41

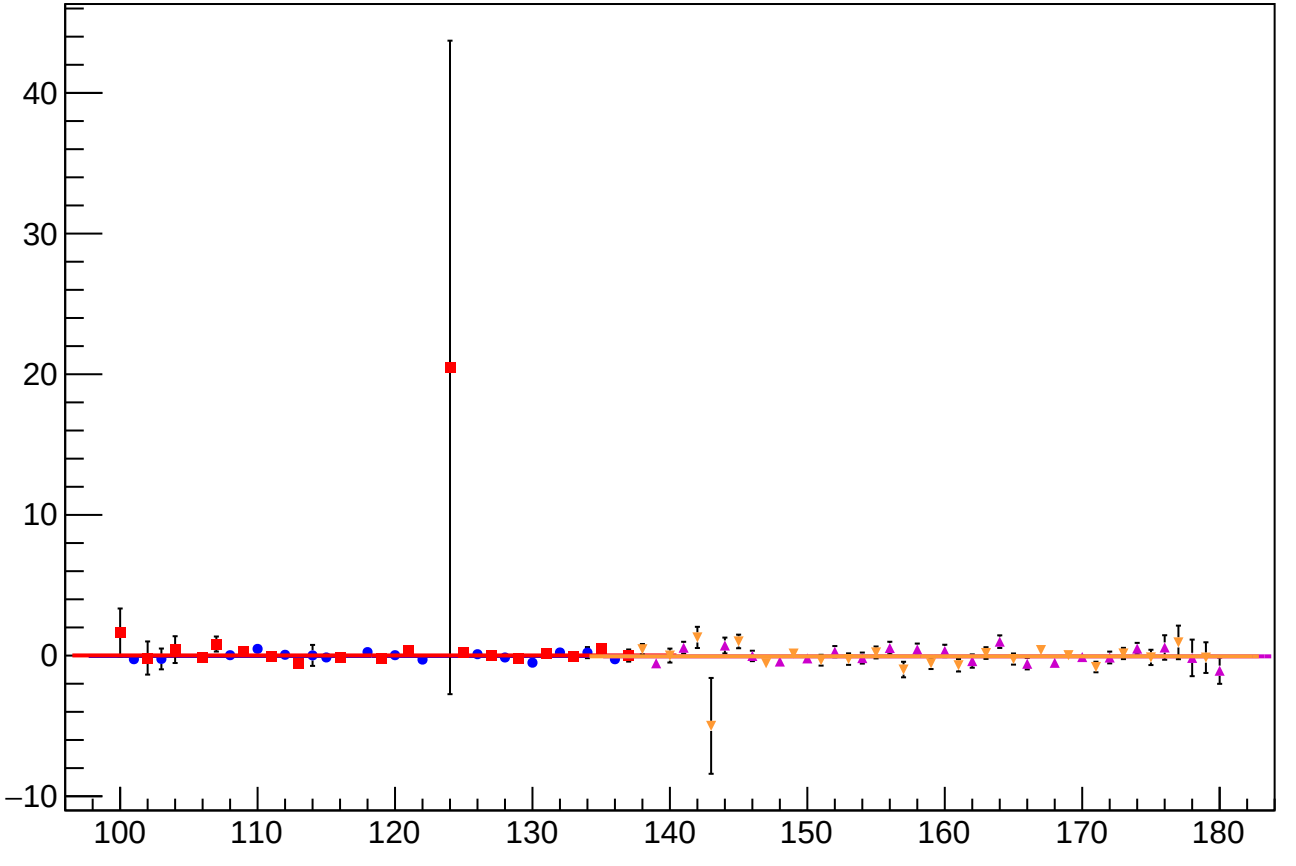
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:11223164.2/36

Out: 0.004+/-0.000 χ^2/NDF:22092449.8/38

All: 0.005+/-0.000 χ^2/NDF: 36422337.2/75

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.054+/-0.084 χ^2/NDF:27.5/20

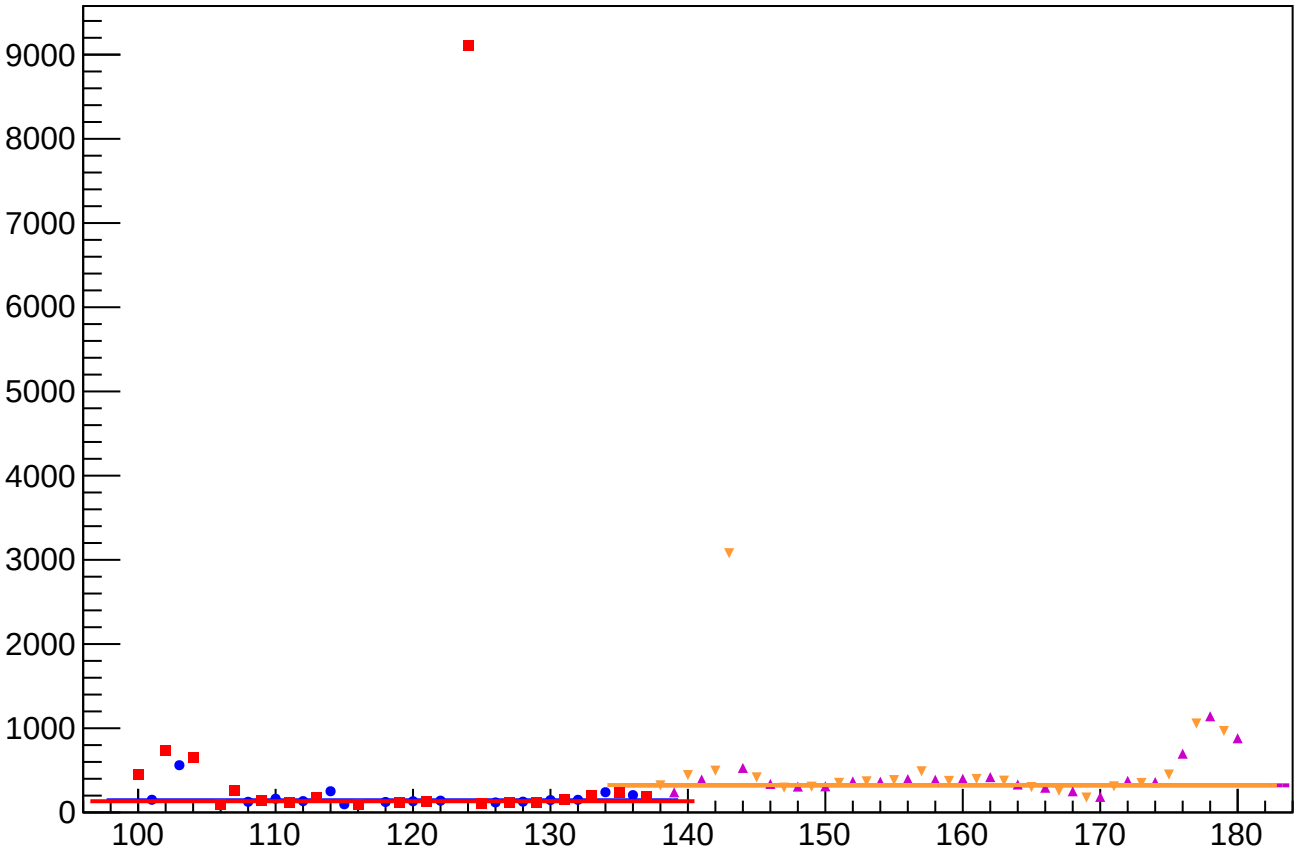
Left: -0.053+/-0.060 χ^2/NDF: 57.7/42

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.037+/-0.048 χ^2/NDF:44.8/36

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.022+/-0.034 χ^2/NDF: 97.4/77



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 325.521+/-0.061 χ^2/NDF:4762293.6/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

Left: 323.786+/-0.042 χ^2/NDF: 8526859.9/42

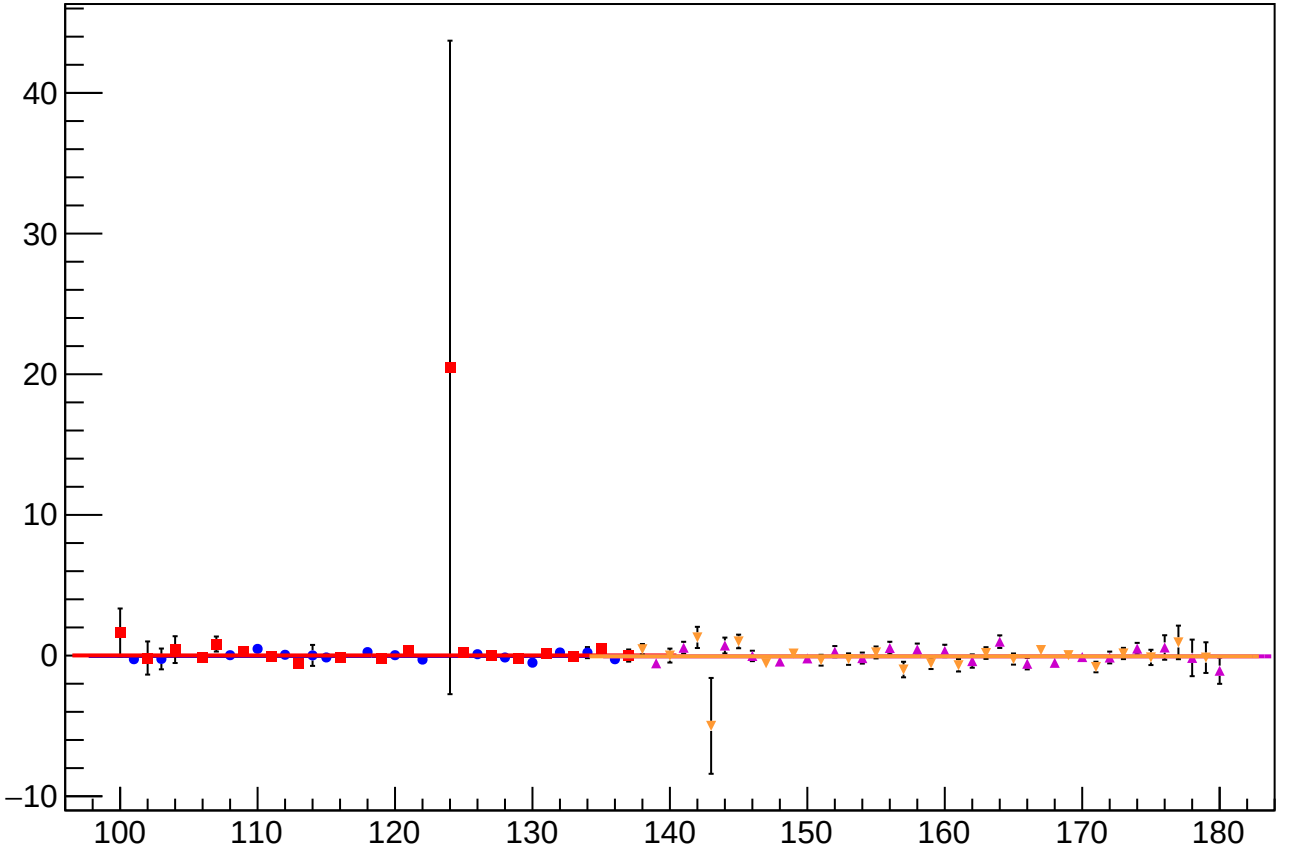
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 201.745+/-0.034 χ^2/NDF:11003338.2/36

Out: 191.377+/-0.033 χ^2/NDF:13981746.7/40

All: 196.520+/-0.024 χ^2/NDF: 25032945.5/77

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: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.054+/-0.084 χ^2/NDF:27.5/20

Left: -0.053+/-0.060 χ^2/NDF: 57.7/42

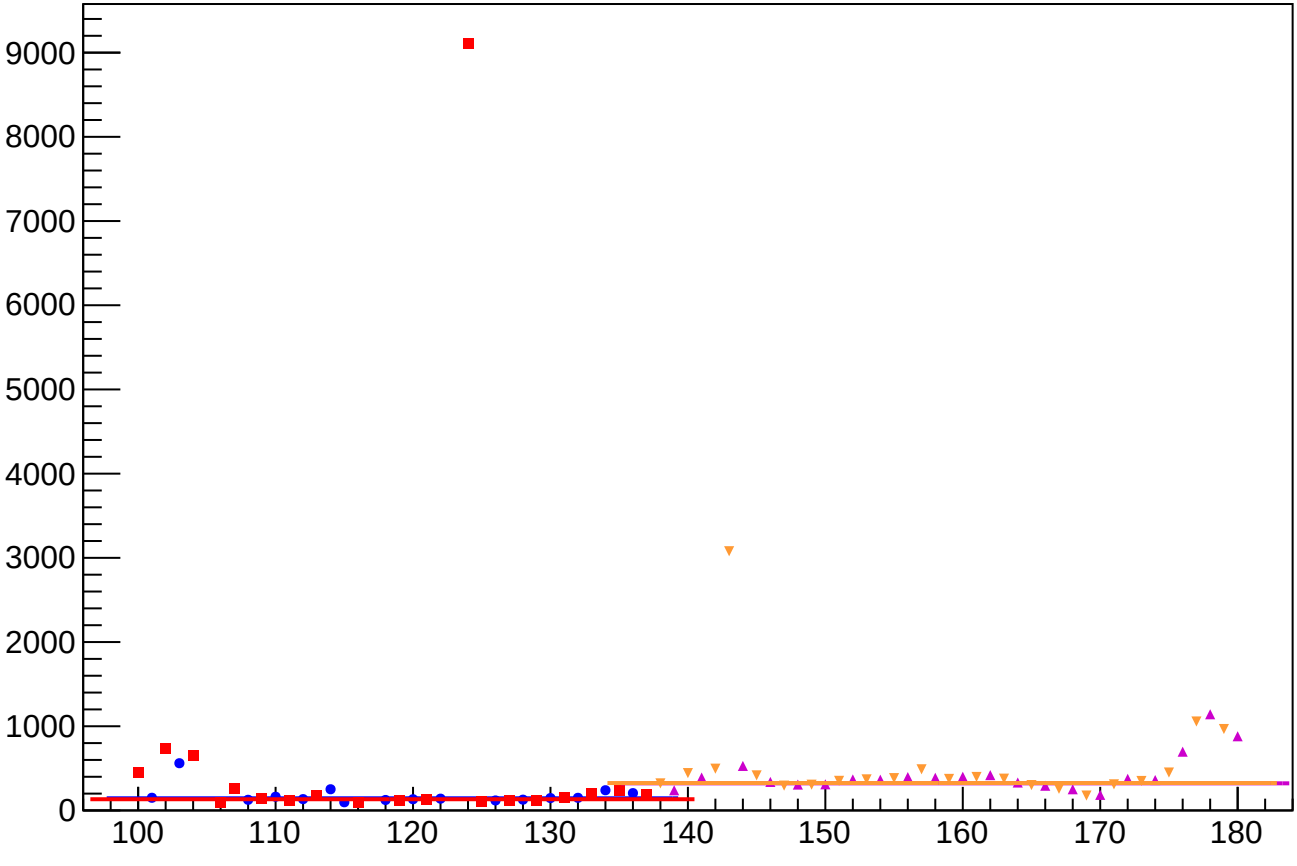
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.037+/-0.048 χ^2/NDF:44.8/36

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.022+/-0.034 χ^2/NDF: 97.4/77

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: 325.521+/-0.061 χ^2/NDF:4762293.6/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 322.136+/-0.059 χ^2/NDF:3762971.8/20

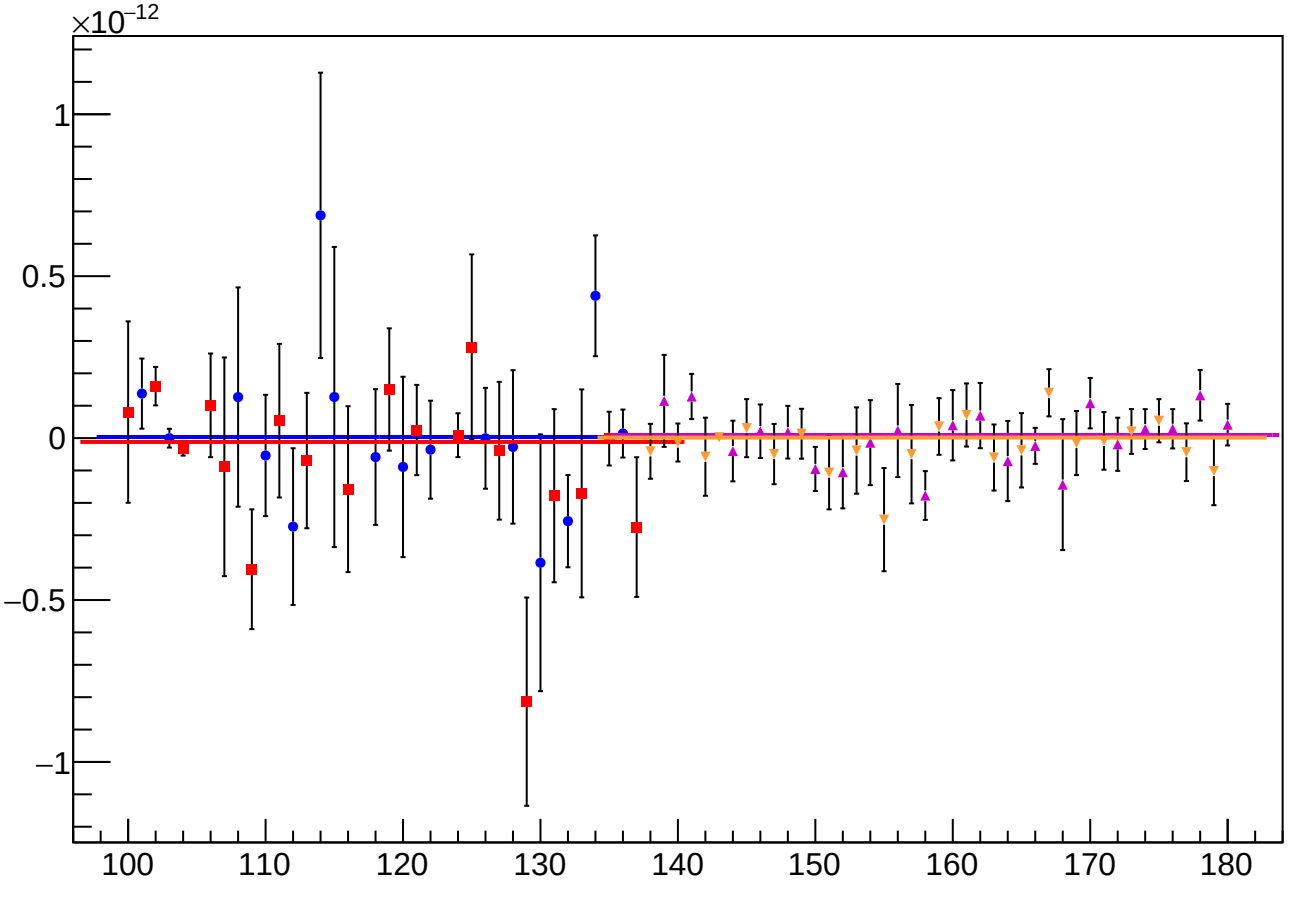
Left: 323.786+/-0.042 χ^2/NDF: 8526859.9/42

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 201.745+/-0.034 χ^2/NDF:11003338.2/36

Out: 191.377+/-0.033 χ^2/NDF:13981746.7/40

All: 196.520+/-0.024 χ^2/NDF: 25032945.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

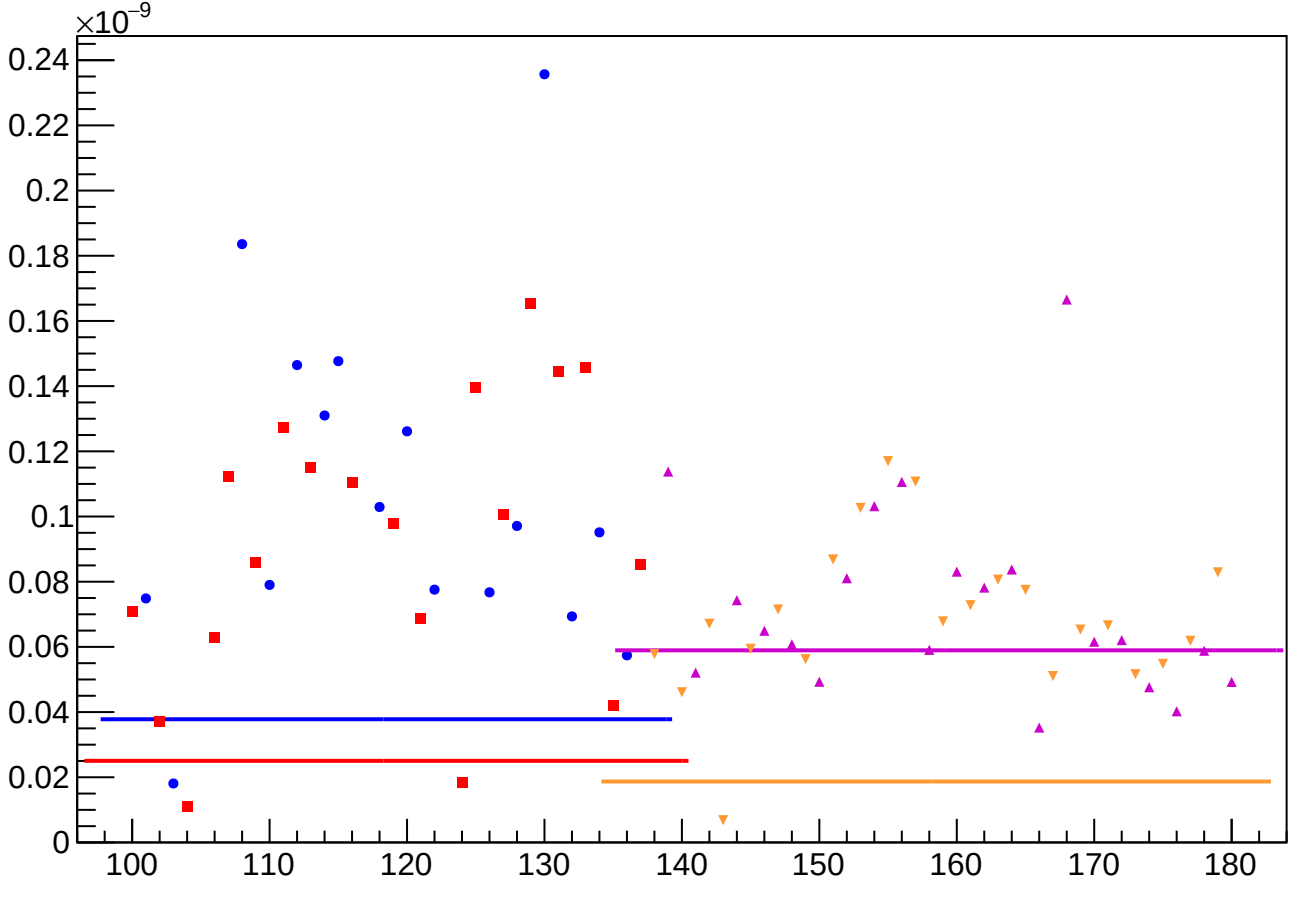
Left: 0.000+/-0.000 χ^2/NDF: 31.3/42

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:35.5/36

Out: -0.000+/-0.000 χ^2/NDF:36.9/40

All: 0.000+/-0.000 χ^2/NDF: 72.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14695862.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2478568.7/20

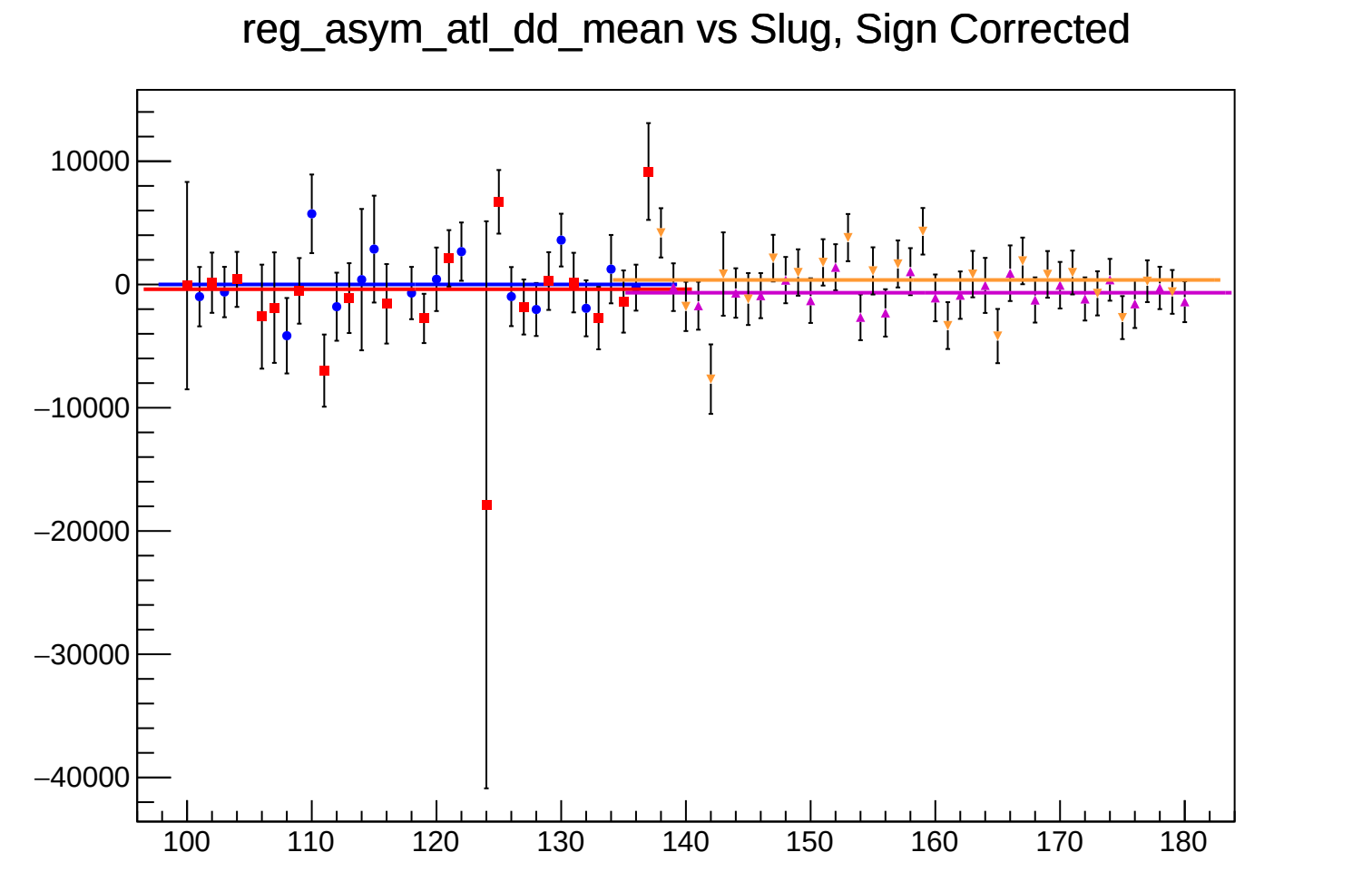
Left: 0.000+/-0.000 χ^2/NDF: 25215178.8/42

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7420244.6/36

Out: 0.000+/-0.000 χ^2/NDF:19586854.0/40

All: 0.000+/-0.000 χ^2/NDF: 34285844.8/77



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.289+/-414.241 χ^2/NDF:36.0/21

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -669.418+/-410.098 χ^2/NDF:6.4/20

Left: -155.779+/-291.437 χ^2/NDF: 45.6/42

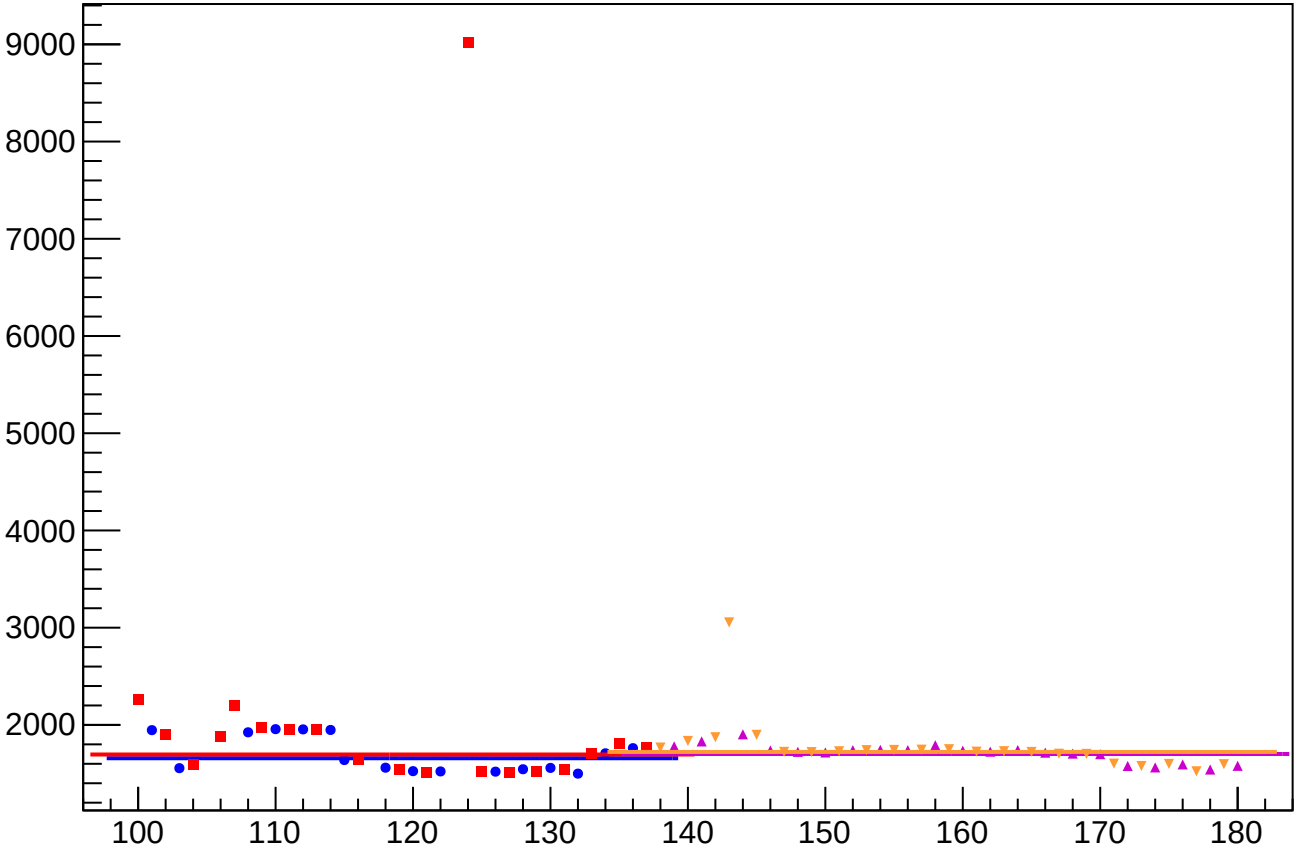
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -464.303+/-342.028 χ^2/NDF:19.7/36

Out: 142.834+/-346.730 χ^2/NDF:61.0/40

All: -164.879+/-243.496 χ^2/NDF: 82.3/77

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

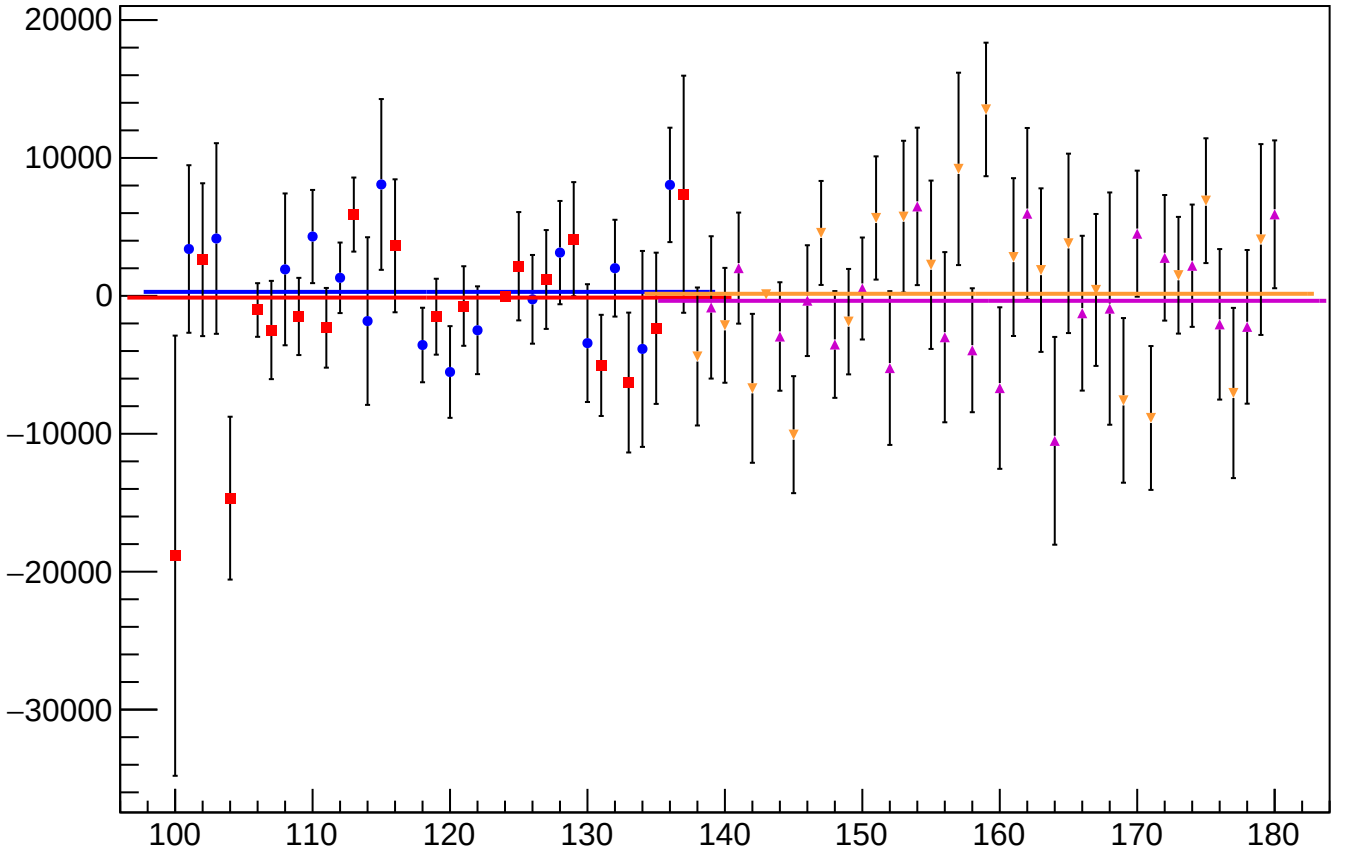
Left: 1711.376+/-0.206 χ^2/NDF: 511773.8/42

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1687.573+/-0.242 χ^2/NDF:250759.9/36

Out: 1714.104+/-0.245 χ^2/NDF:797966.5/40

All: 1700.676+/-0.172 χ^2/NDF: 1054669.7/77



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 150.981+/-345.571 χ^2/NDF:31.5/21

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -359.093+/-1071.840 χ^2/NDF:12.1/20

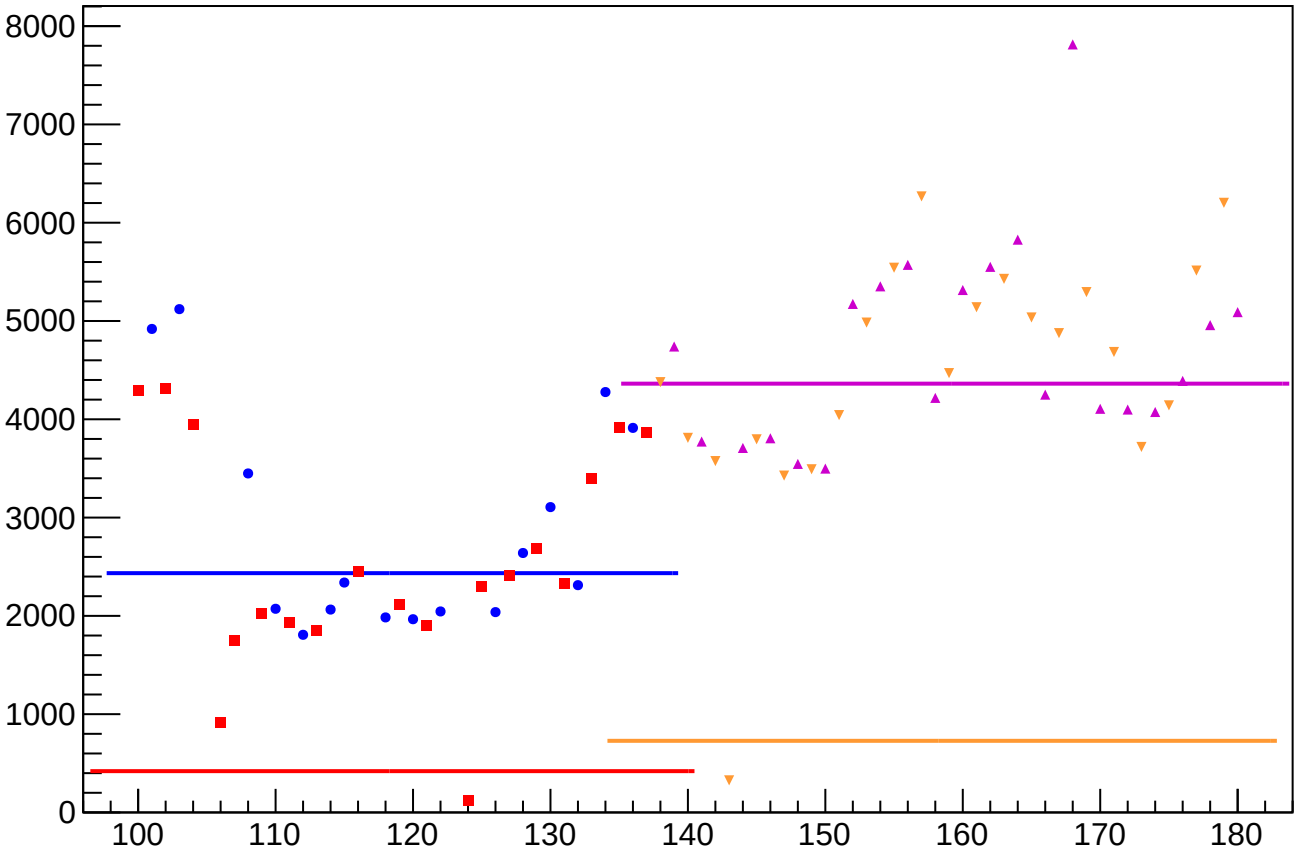
Left: 102.952+/-328.899 χ^2/NDF: 43.8/42

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 0.307+/-715.547 χ^2/NDF:27.5/36

Out: 3.675+/-236.250 χ^2/NDF:52.6/40

All: 3.344+/-224.339 χ^2/NDF: 80.2/77



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 728.809+/-0.244 χ^2/NDF:25629687.5/21

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4362.478+/-0.758 χ^2/NDF:1146160.3/20

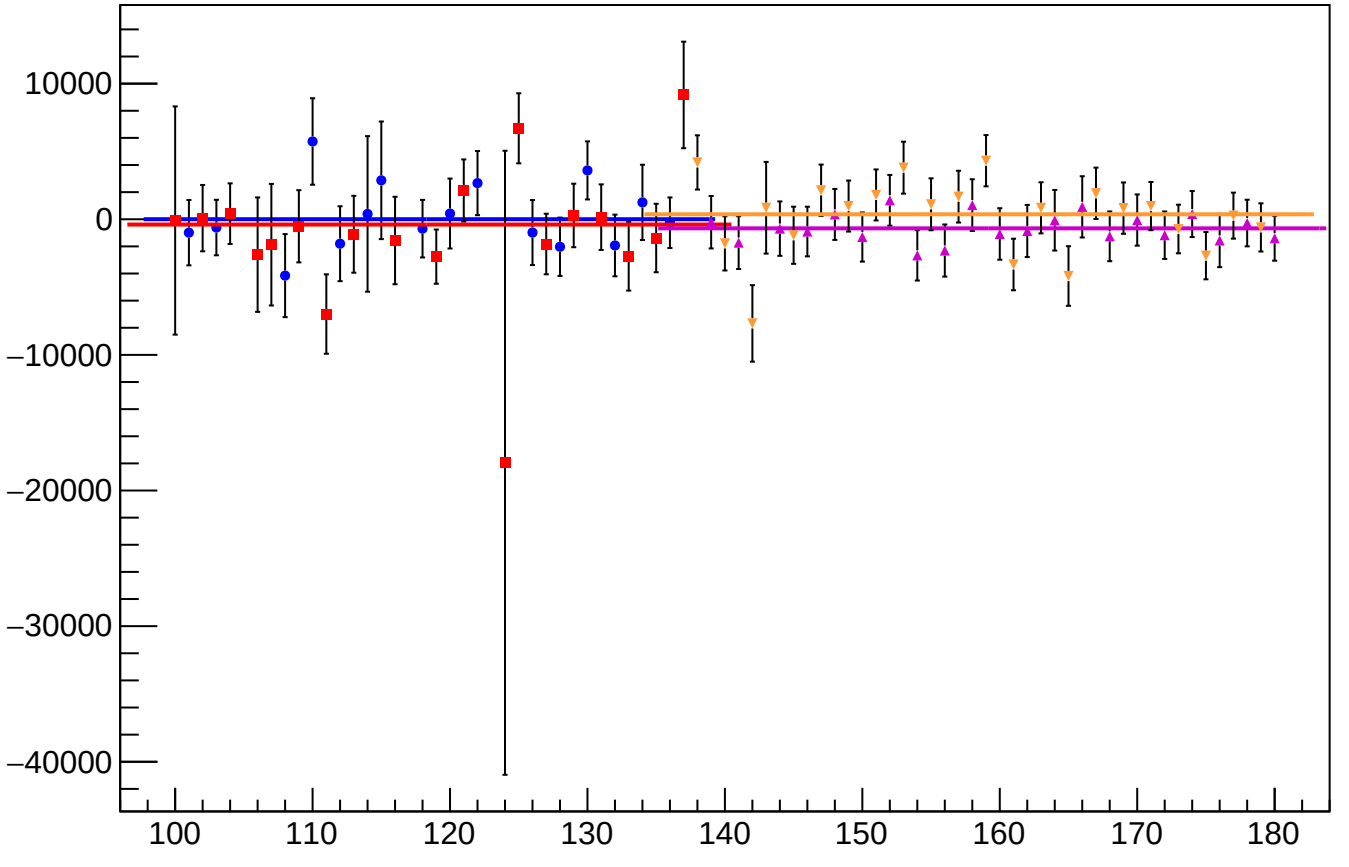
Left: 1070.955+/-0.233 χ^2/NDF: 47597370.7/42

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3293.800+/-0.506 χ^2/NDF:6190607.4/36

Out: 564.486+/-0.167 χ^2/NDF:37542707.1/40

All: 832.764+/-0.159 χ^2/NDF: 69970968.2/77



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -669.341+/-410.098 χ^2/NDF:6.4/20

Left: -155.746+/-291.437 χ^2/NDF: 45.6/42

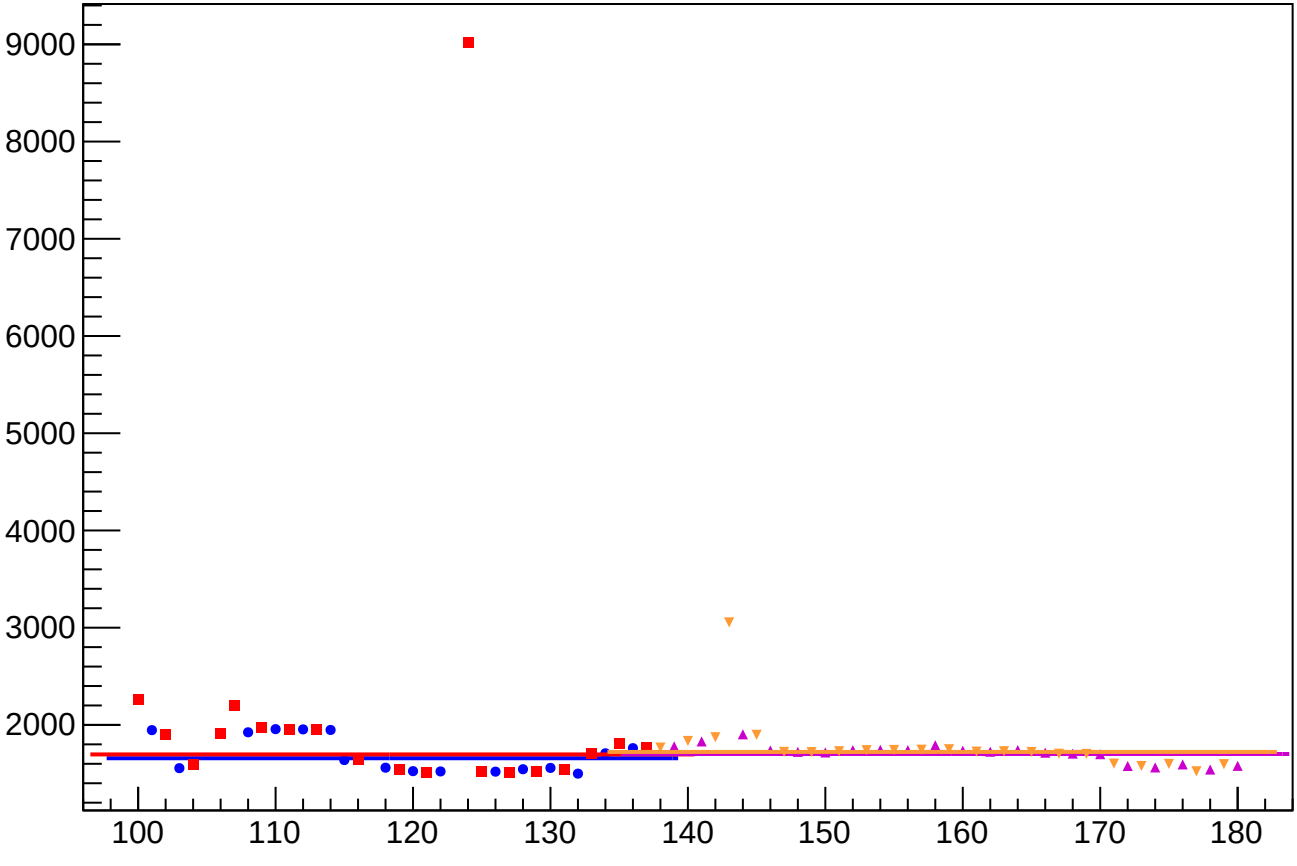
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -464.273+/-342.028 χ^2/NDF:19.7/36

Out: 141.541+/-346.731 χ^2/NDF:61.0/40

All: -165.502+/-243.496 χ^2/NDF: 82.3/77

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

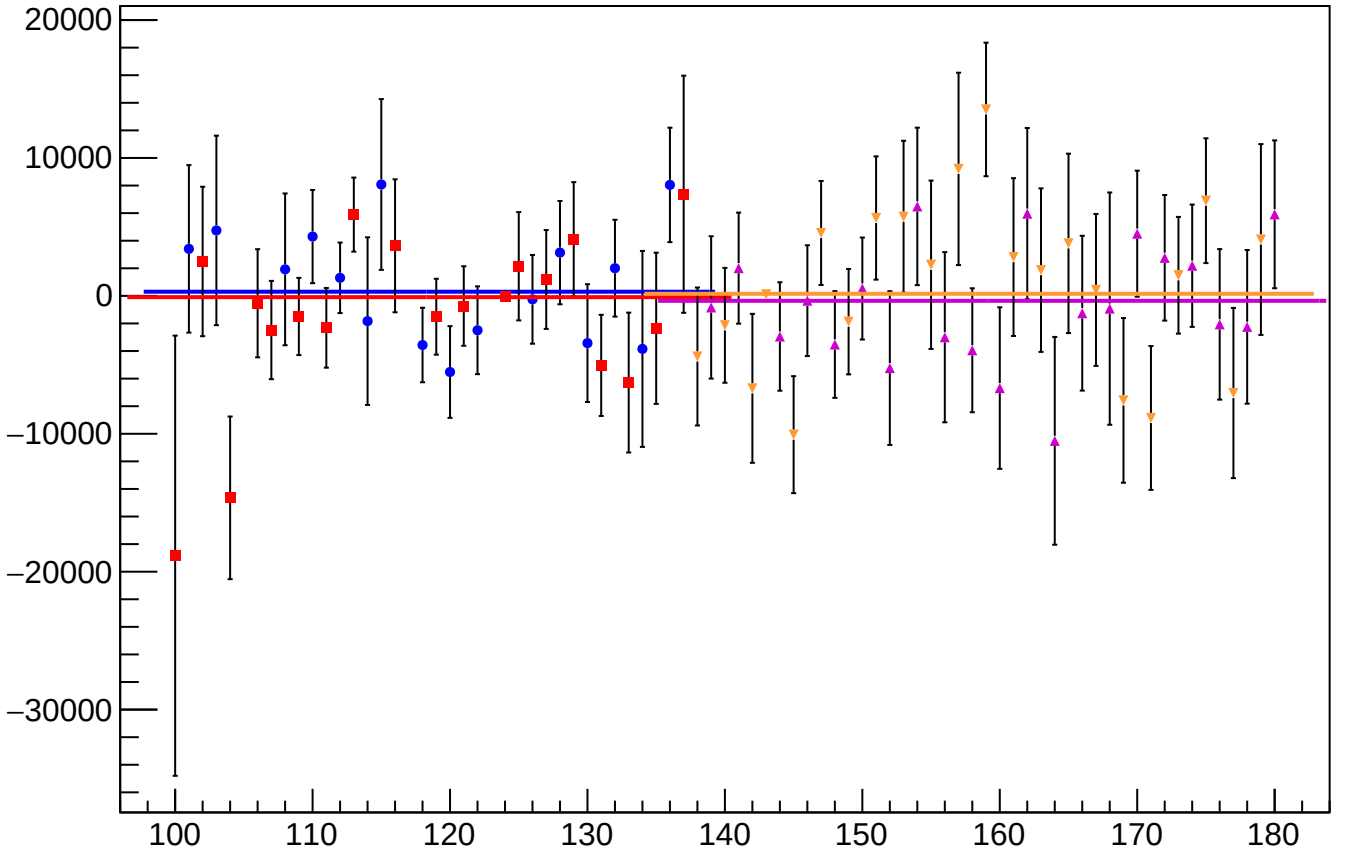
Left: 1711.376+/-0.206 χ^2/NDF: 511773.7/42

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1687.573+/-0.242 χ^2/NDF:250760.0/36

Out: 1714.349+/-0.245 χ^2/NDF:799578.2/40

All: 1700.795+/-0.172 χ^2/NDF: 1056390.5/77



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -359.090+/-1071.839 χ^2/NDF:12.1/20

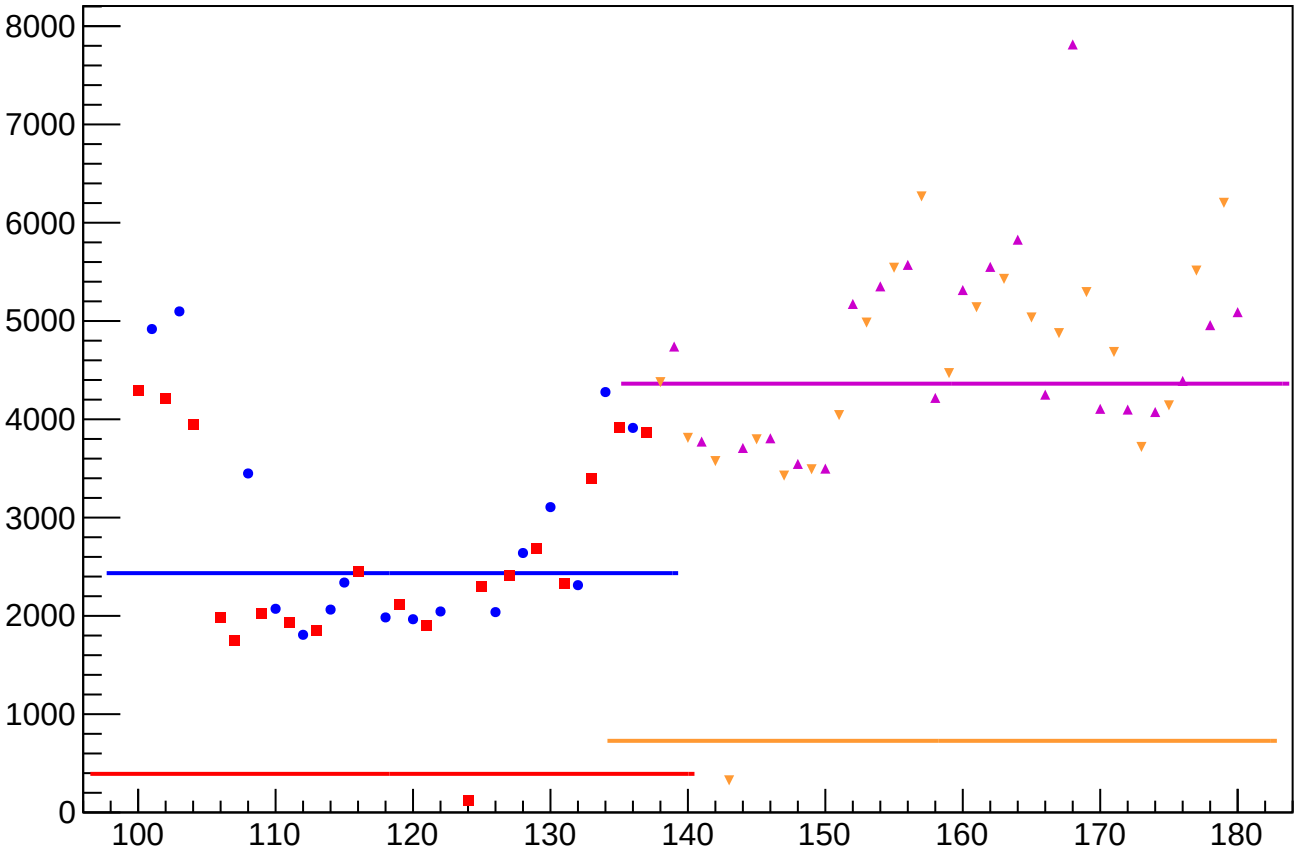
Left: 103.340+/-328.878 χ^2/NDF: 43.8/42

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 7.320+/-715.498 χ^2/NDF:27.6/36

Out: 18.627+/-233.095 χ^2/NDF:52.3/40

All: 17.542+/-221.631 χ^2/NDF: 80.0/77



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

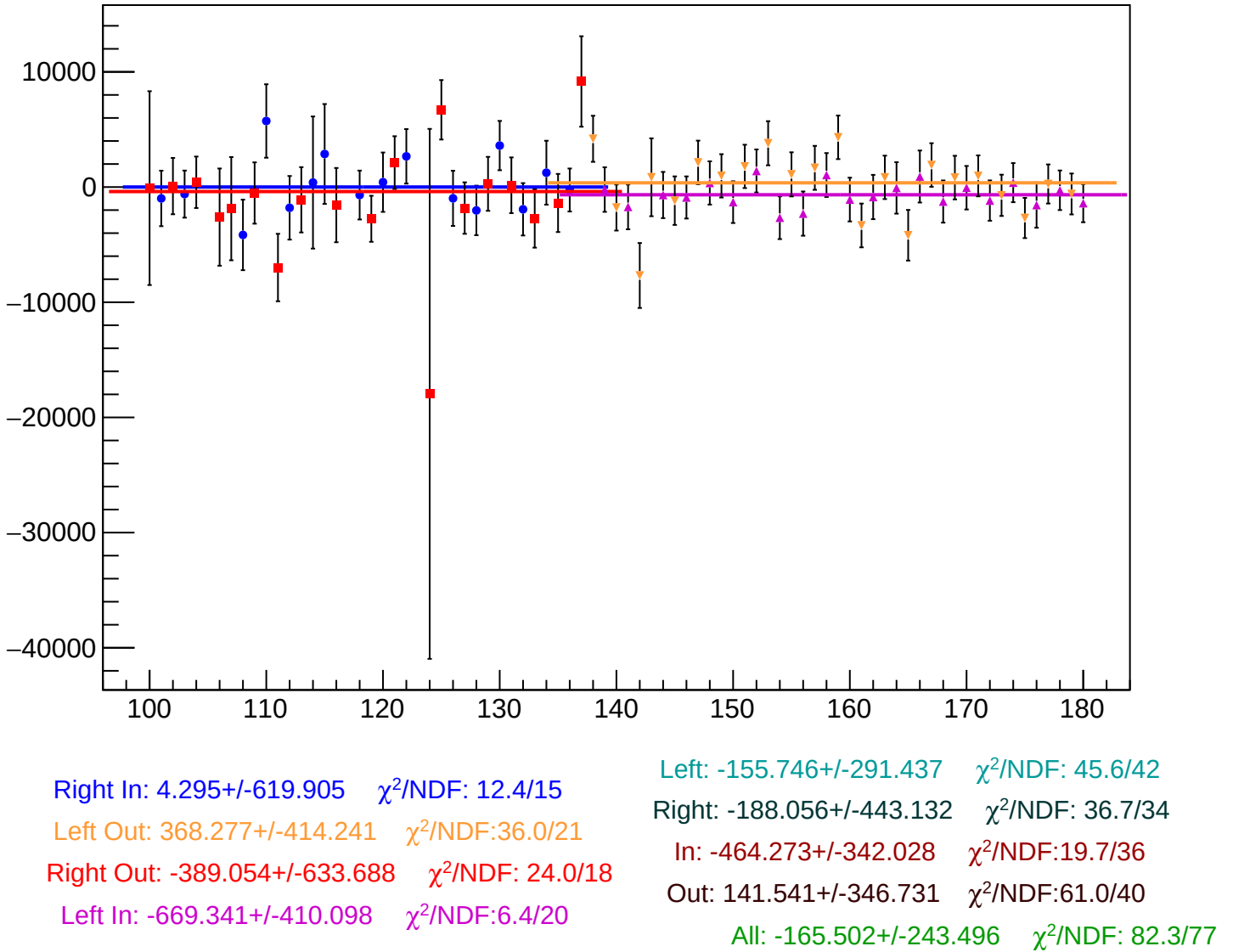
Left: 1070.836+/-0.233 χ^2/NDF: 47599318.1/42

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

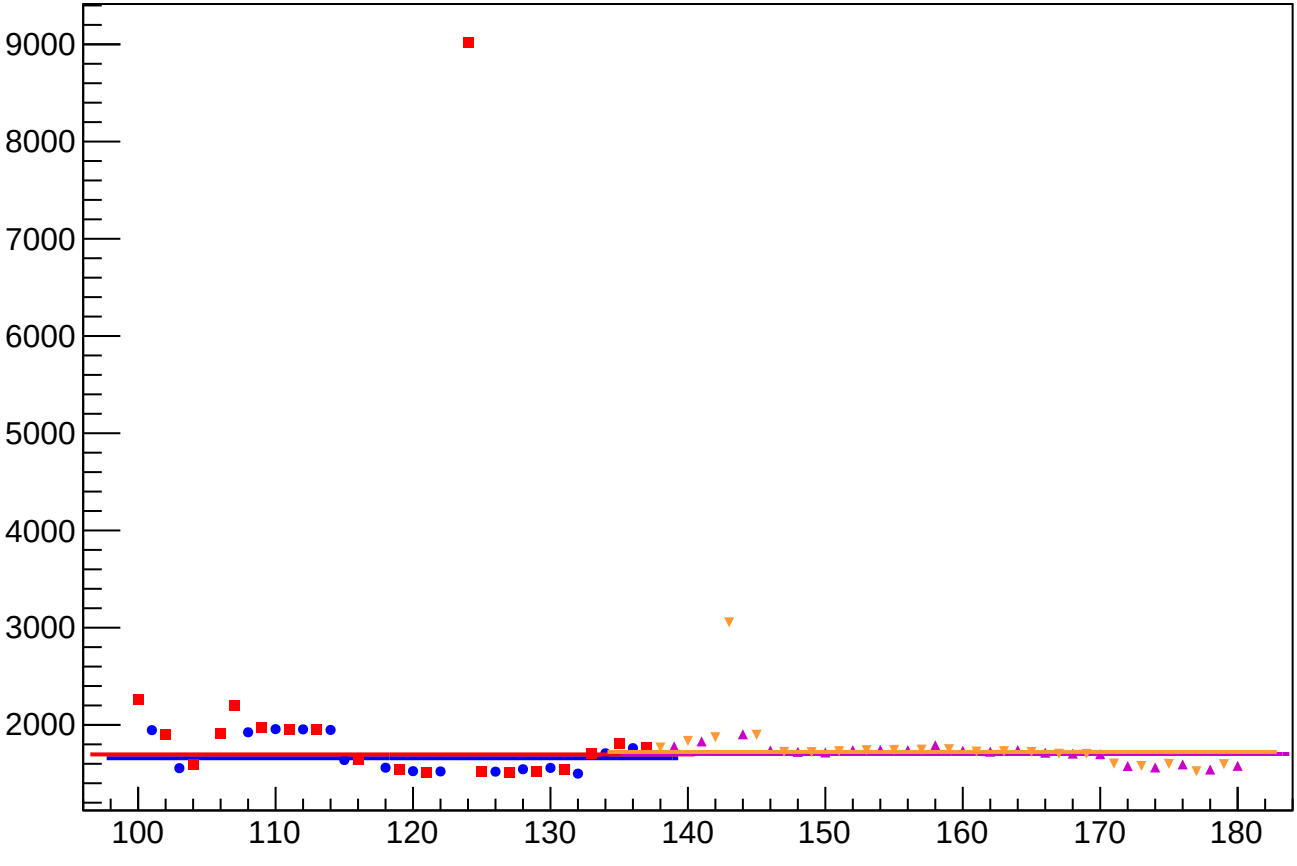
In: 3293.773+/-0.506 χ^2/NDF:6188672.1/36

Out: 545.588+/-0.165 χ^2/NDF:38069310.2/40

All: 809.275+/-0.157 χ^2/NDF: 70932588.5/77


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 368.277+/-414.241 χ²/NDF:36.0/21
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -669.341+/-410.098 χ²/NDF:6.4/20
Left: -155.746+/-291.437 χ²/NDF: 45.6/42
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -464.273+/-342.028 χ²/NDF:19.7/36
Out: 141.541+/-346.731 χ²/NDF:61.0/40
All: -165.502+/-243.496 χ²/NDF: 82.3/77

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1700.902+/-0.290 χ^2/NDF:99837.9/20

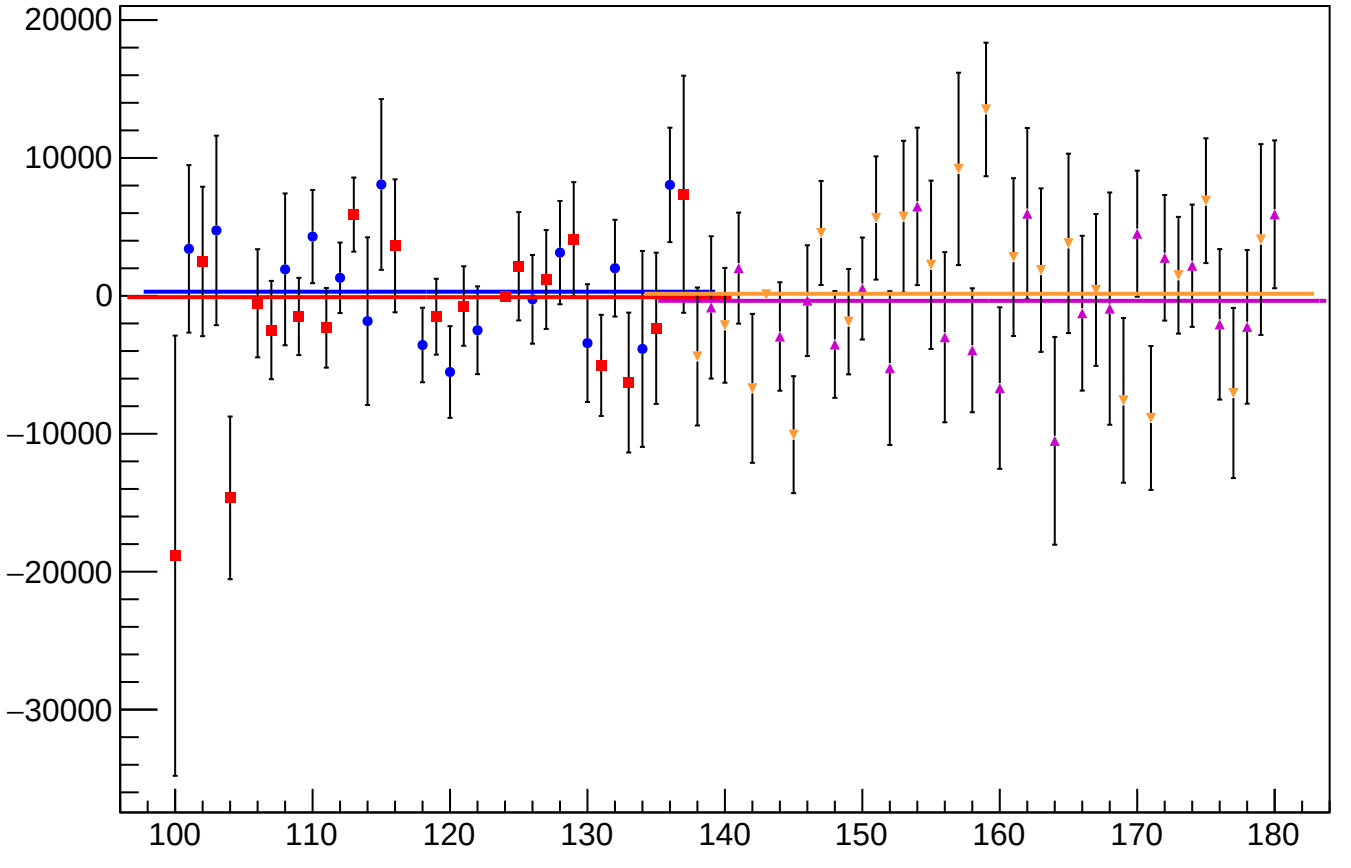
Left: 1711.376+/-0.206 χ^2/NDF: 511773.7/42

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1687.573+/-0.242 χ^2/NDF:250760.0/36

Out: 1714.349+/-0.245 χ^2/NDF:799578.2/40

All: 1700.795+/-0.172 χ^2/NDF: 1056390.5/77



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -359.090+/-1071.839 χ^2/NDF:12.1/20

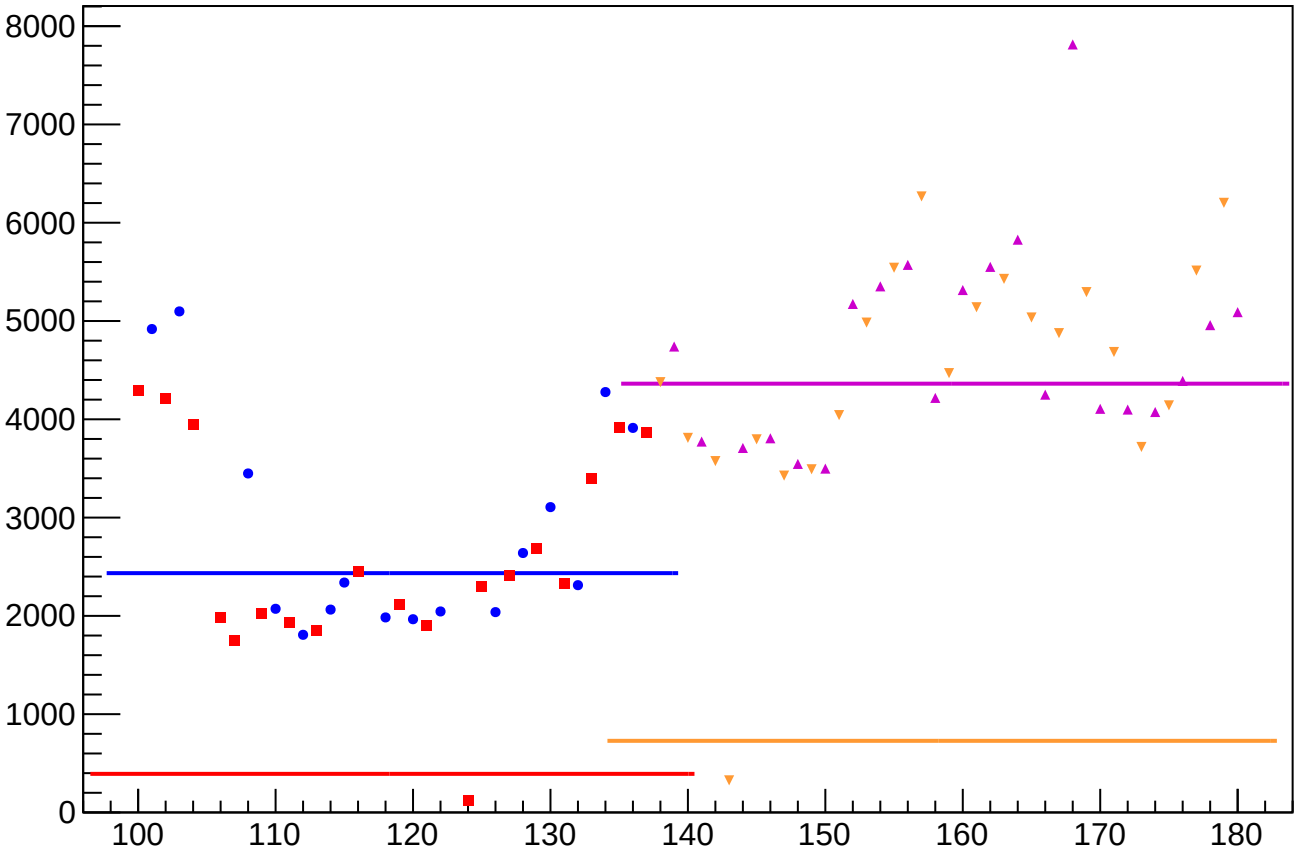
Left: 103.340+/-328.878 χ^2/NDF: 43.8/42

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 7.320+/-715.498 χ^2/NDF:27.6/36

Out: 18.627+/-233.095 χ^2/NDF:52.3/40

All: 17.542+/-221.631 χ^2/NDF: 80.0/77



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4362.473+/-0.758 χ^2/NDF:1146152.4/20

Left: 1070.836+/-0.233 χ^2/NDF: 47599318.1/42

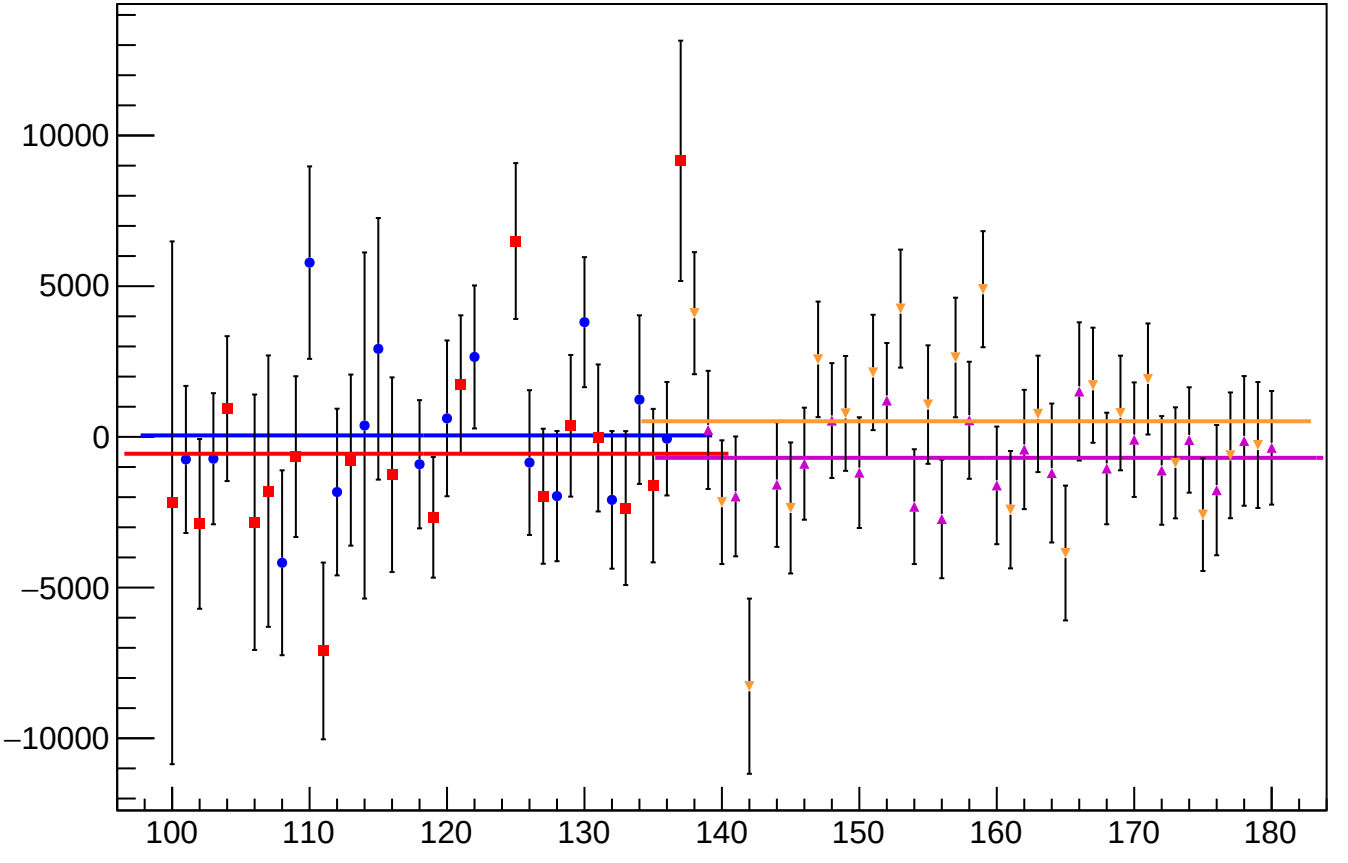
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3293.773+/-0.506 χ^2/NDF:6188672.1/36

Out: 545.588+/-0.165 χ^2/NDF:38069310.2/40

All: 809.275+/-0.157 χ^2/NDF: 70932588.5/77

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.235+/-434.726 χ^2/NDF:38.5/20

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -695.222+/-426.658 χ^2/NDF:6.4/20

Left: -99.858+/-304.505 χ^2/NDF: 48.9/41

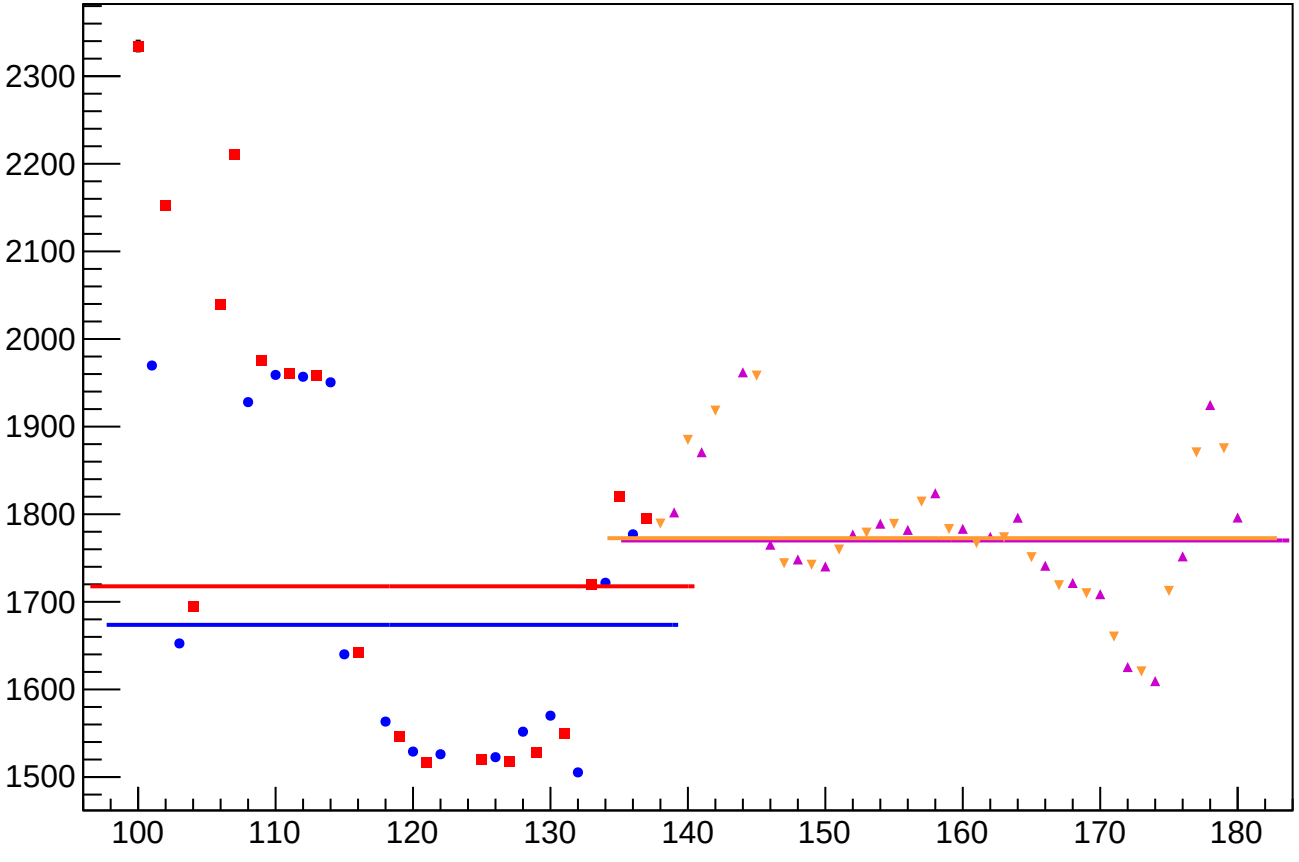
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -459.455+/-352.586 χ^2/NDF:20.2/36

Out: 181.763+/-360.541 χ^2/NDF:63.7/38

All: -145.998+/-252.081 χ^2/NDF: 85.5/75

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.648+/-0.307 χ^2/NDF:64189.3/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1770.053+/-0.302 χ^2/NDF:70224.1/20

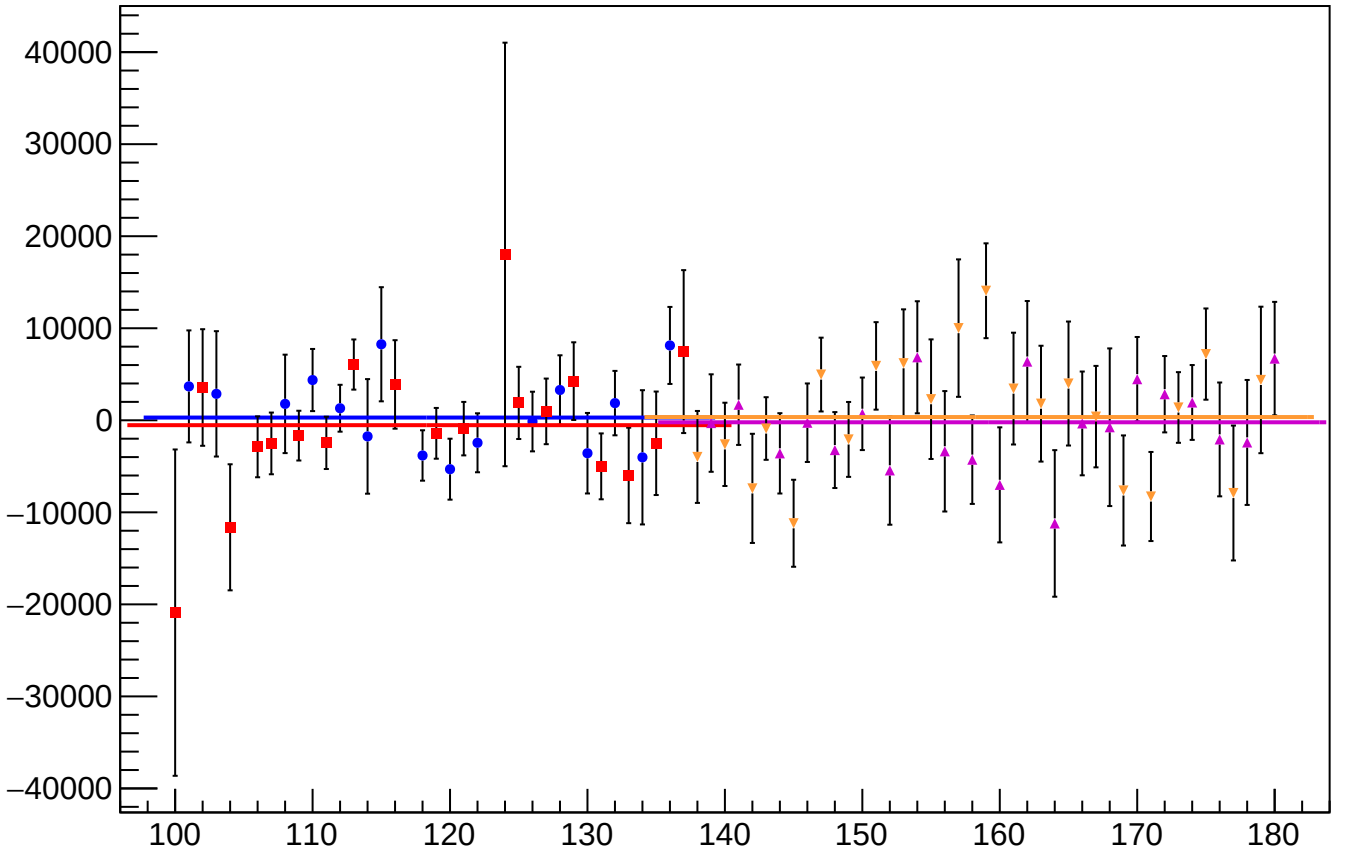
Left: 1771.326+/-0.215 χ^2/NDF: 134449.6/41

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1739.510+/-0.249 χ^2/NDF:243420.4/36

Out: 1755.444+/-0.255 χ^2/NDF:301832.8/38

All: 1747.305+/-0.178 χ^2/NDF: 547251.2/75



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 351.486+/-1088.020 χ^2/NDF:31.0/21

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -216.919+/-1124.459 χ^2/NDF:11.9/20

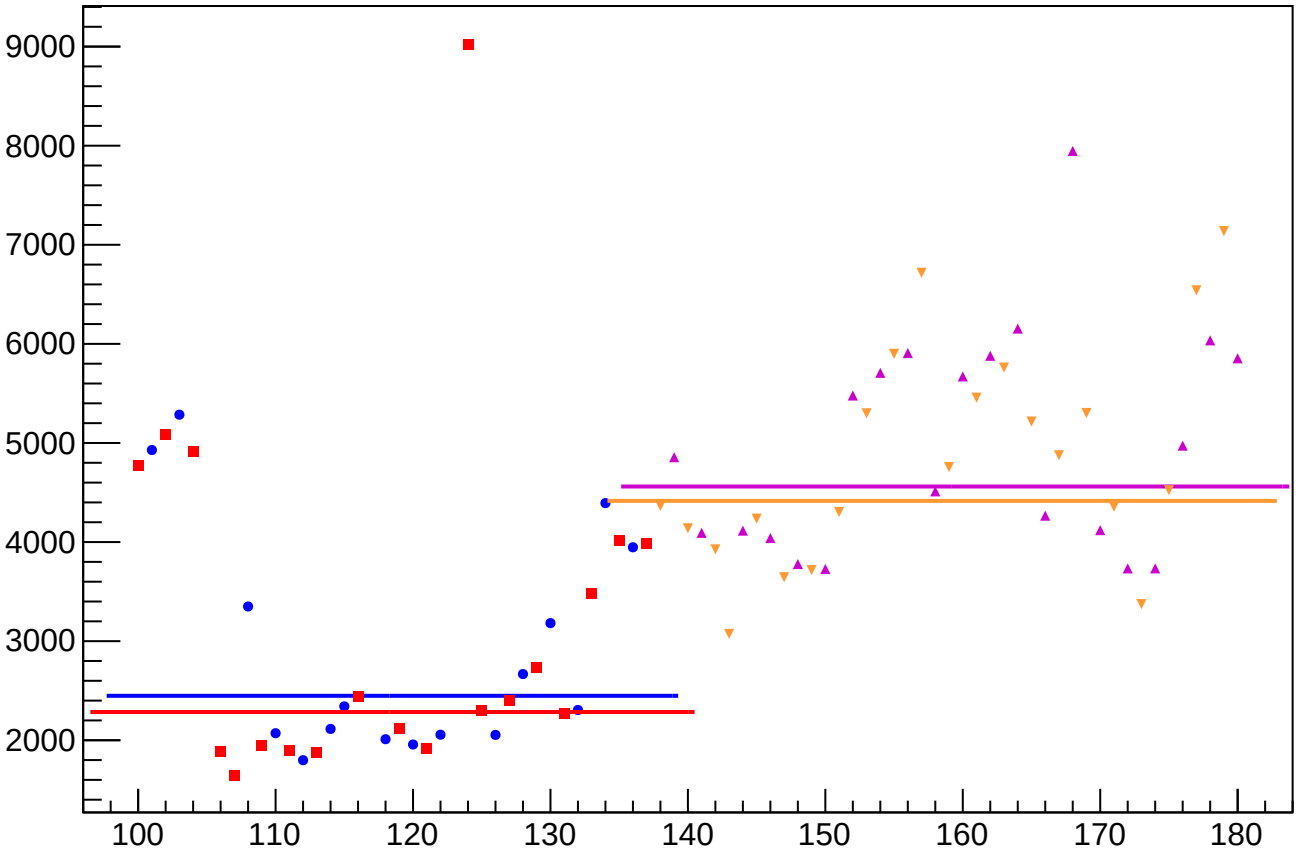
Left: 76.642+/-781.911 χ^2/NDF: 43.0/42

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 78.839+/-732.162 χ^2/NDF:27.3/36

Out: -180.109+/-686.075 χ^2/NDF:50.1/40

All: -59.041+/-500.629 χ^2/NDF: 77.4/77



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4415.587+/-0.769 χ^2/NDF:1605337.0/21

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4560.720+/-0.795 χ^2/NDF:1358584.5/20

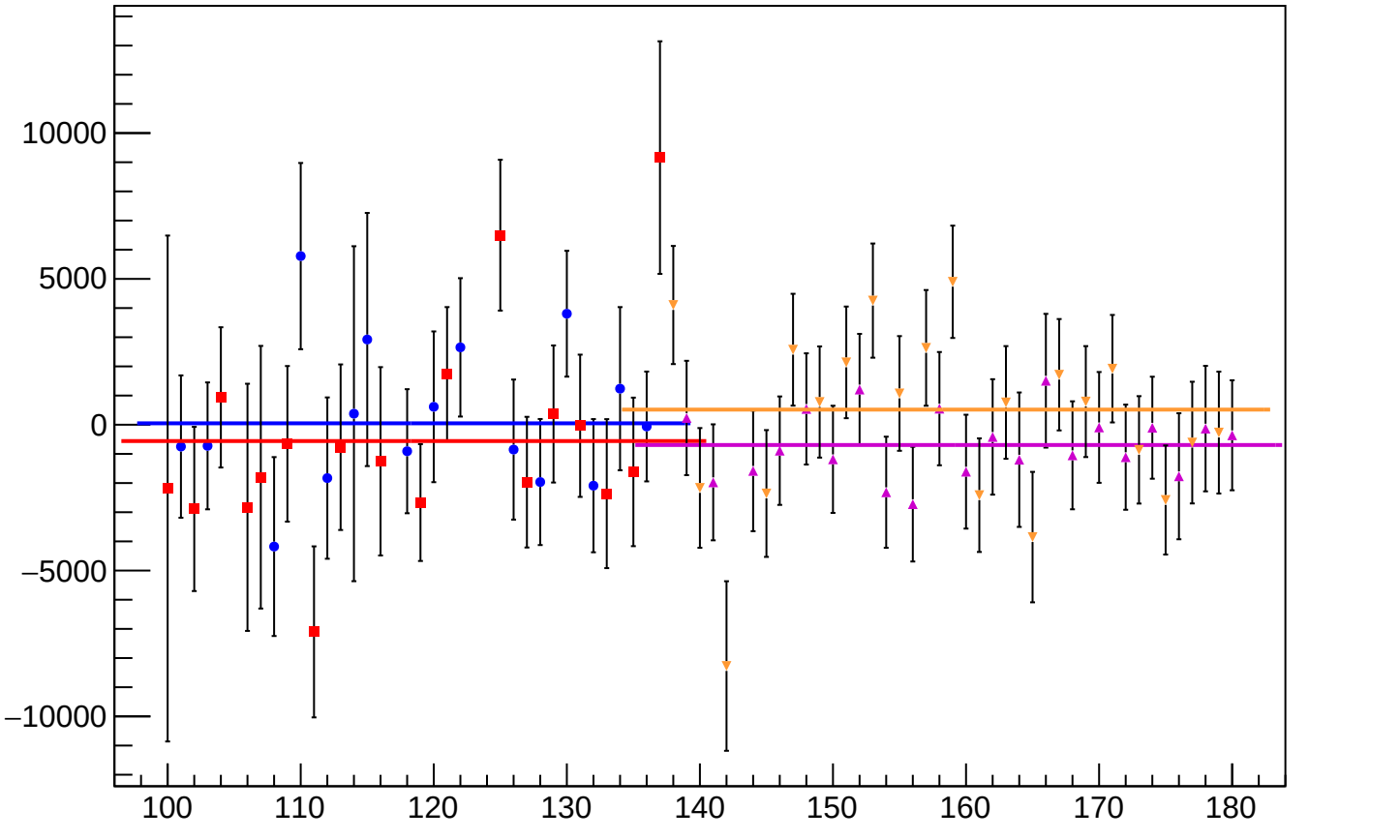
Left: 4485.764+/-0.553 χ^2/NDF: 2981128.8/42

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3344.059+/-0.518 χ^2/NDF:6940896.8/36

Out: 3132.212+/-0.485 χ^2/NDF:7773644.4/40

All: 3231.258+/-0.354 χ^2/NDF: 14803696.9/7



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.236+/-434.726 χ^2/NDF:38.5/20

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -695.222+/-426.659 χ^2/NDF:6.4/20

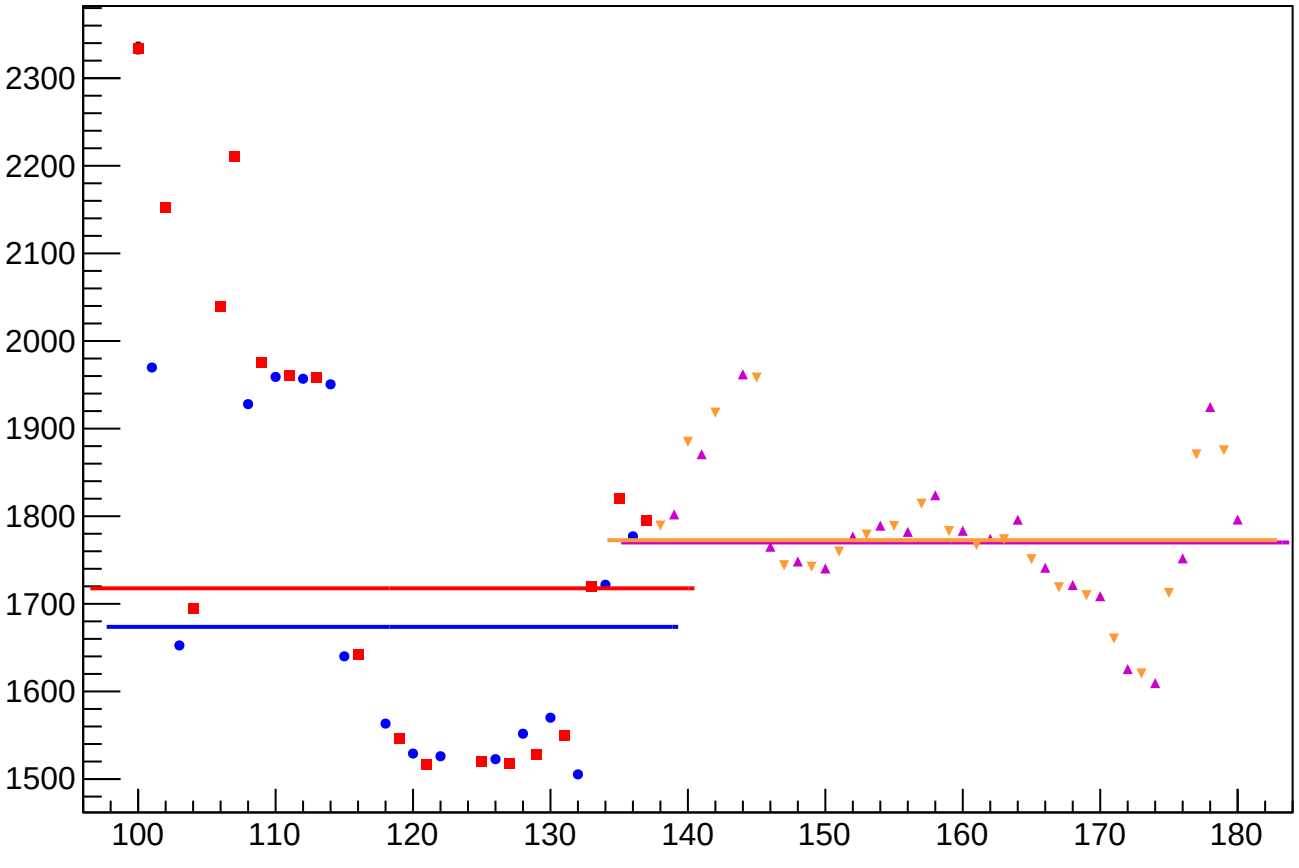
Left: -99.857+/-304.505 χ^2/NDF: 48.9/41

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -459.455+/-352.586 χ^2/NDF:20.2/36

Out: 181.763+/-360.541 χ^2/NDF:63.7/38

All: -145.998+/-252.081 χ^2/NDF: 85.5/75



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.649+/-0.307 χ^2/NDF:64192.5/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1770.054+/-0.302 χ^2/NDF:70226.9/20

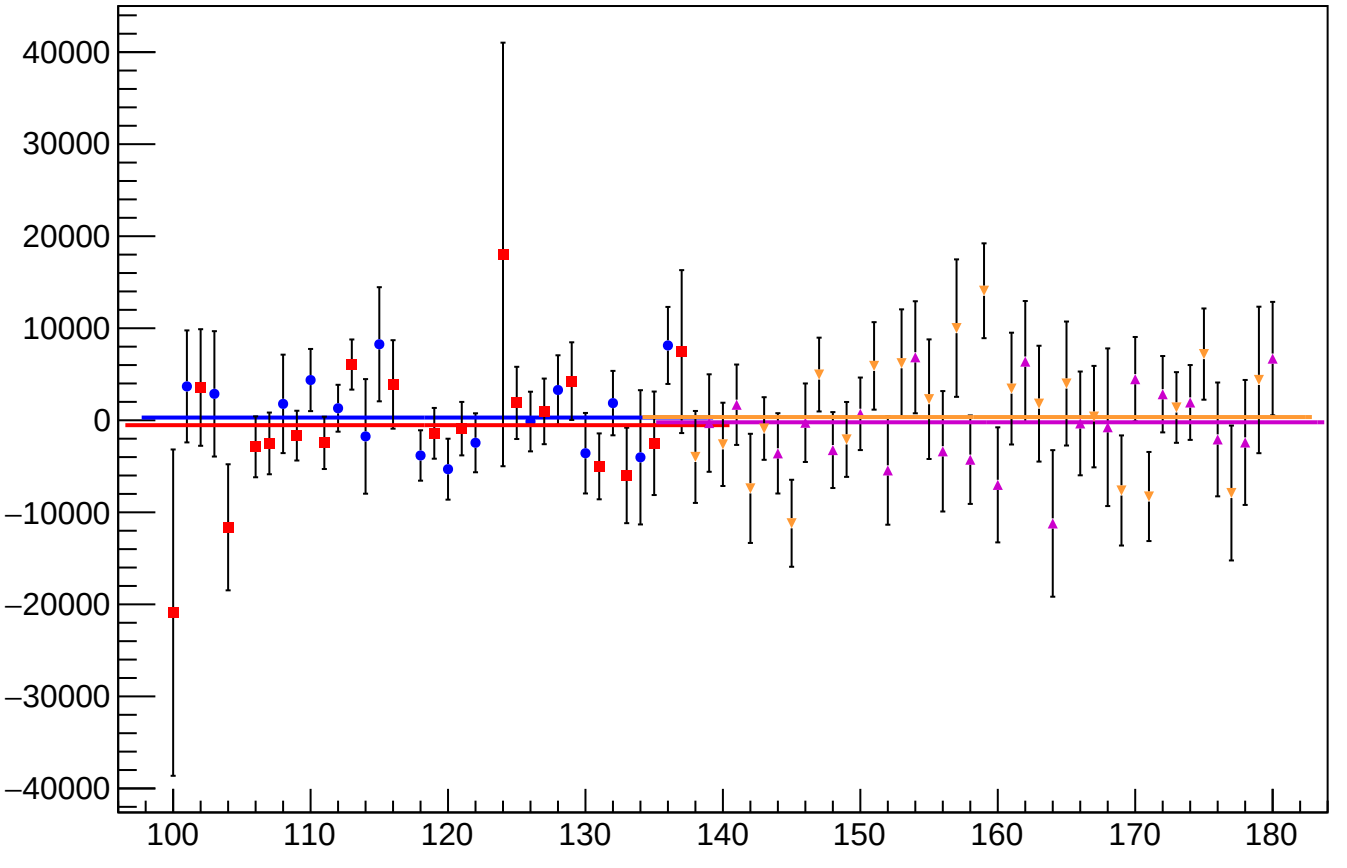
Left: 1771.327+/-0.215 χ^2/NDF: 134455.7/41

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1739.511+/-0.249 χ^2/NDF:243424.0/36

Out: 1755.444+/-0.255 χ^2/NDF:301835.7/38

All: 1747.306+/-0.178 χ^2/NDF: 547257.8/75



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 351.490+/-1088.022 χ^2/NDF:31.0/21

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -216.919+/-1124.461 χ^2/NDF:11.9/20

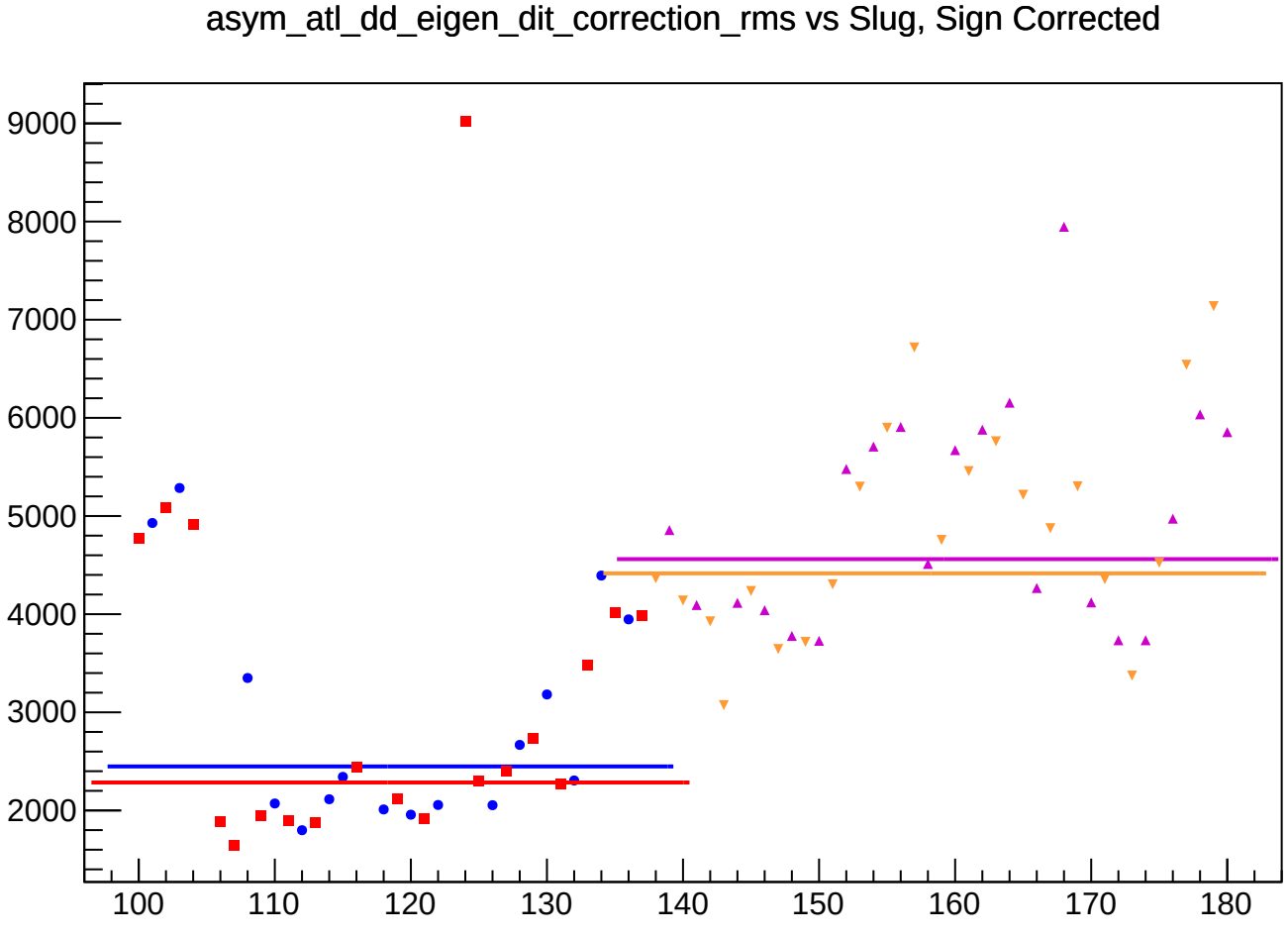
Left: 76.644+/-781.913 χ^2/NDF: 43.0/42

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 78.837+/-732.161 χ^2/NDF:27.3/36

Out: -180.111+/-686.074 χ^2/NDF:50.1/40

All: -59.043+/-500.628 χ^2/NDF: 77.4/77



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4415.594+/-0.769 χ^2/NDF:1605339.8/21

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4560.727+/-0.795 χ^2/NDF:1358585.5/20

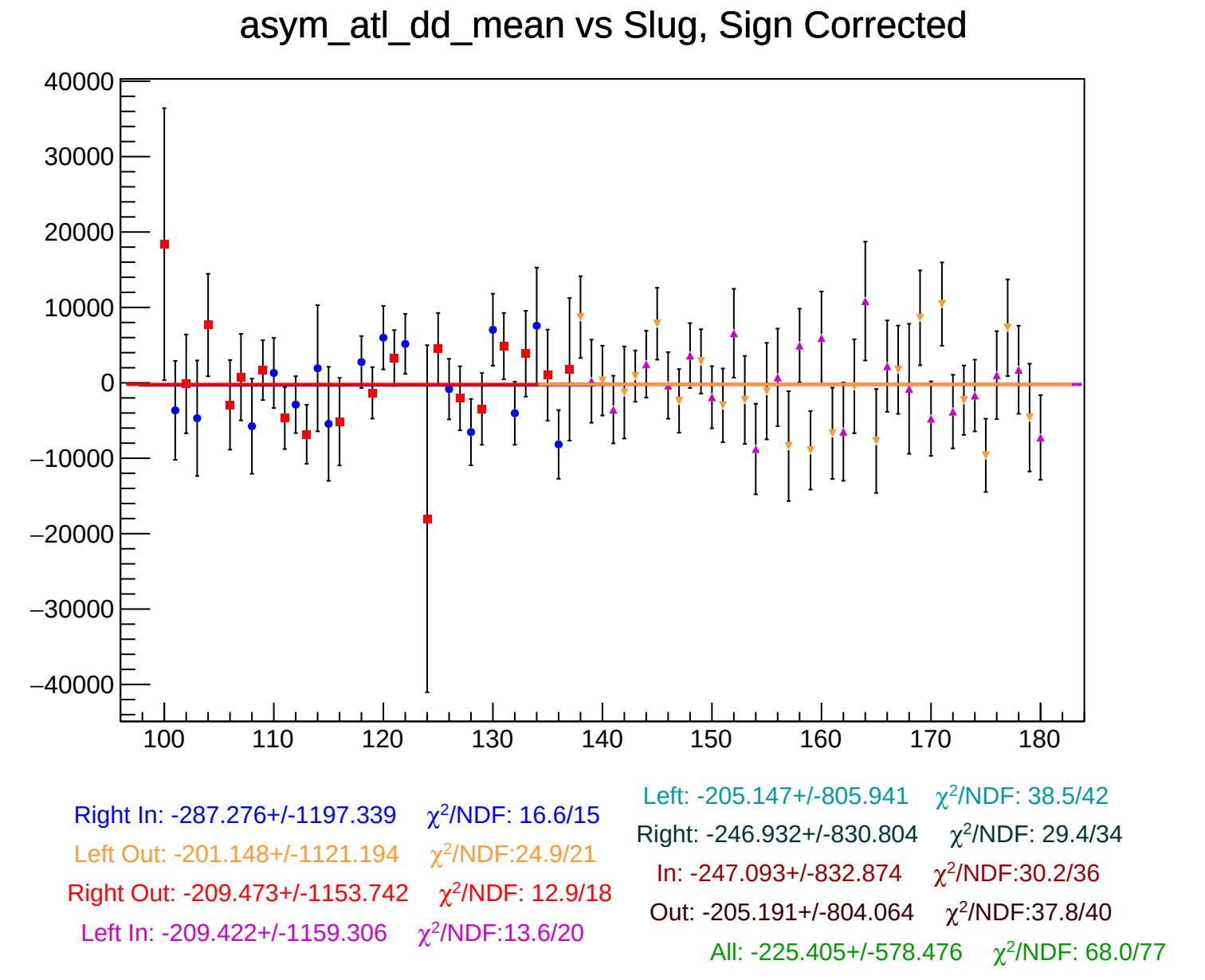
Left: 4485.771+/-0.553 χ^2/NDF: 2981132.6/42

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

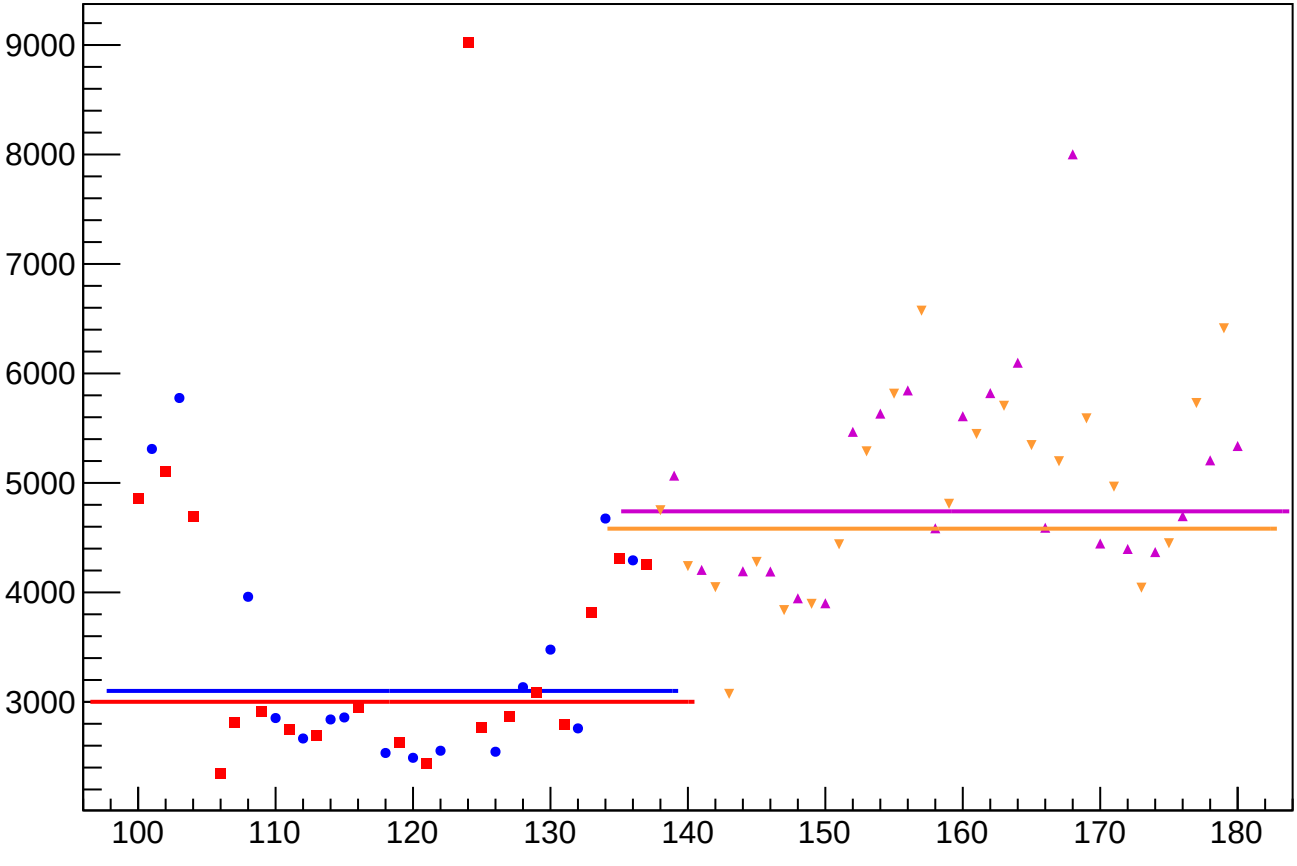
In: 3344.050+/-0.518 χ^2/NDF:6940986.1/36

Out: 3132.204+/-0.485 χ^2/NDF:7773726.7/40

All: 3231.250+/-0.354 χ^2/NDF: 14803867.7/7


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -287.276+/-1197.339 χ²/NDF: 16.6/15
Left Out: -201.148+/-1121.194 χ²/NDF:24.9/21
Right Out: -209.473+/-1153.742 χ²/NDF: 12.9/18
Left In: -209.422+/-1159.306 χ²/NDF:13.6/20
Left: -205.147+/-805.941 χ²/NDF: 38.5/42
Right: -246.932+/-830.804 χ²/NDF: 29.4/34
In: -247.093+/-832.874 χ²/NDF:30.2/36
Out: -205.191+/-804.064 χ²/NDF:37.8/40
All: -225.405+/-578.476 χ²/NDF: 68.0/77

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4582.171+/-0.793 χ^2/NDF:1239784.4/21

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4740.394+/-0.820 χ^2/NDF:888831.8/20

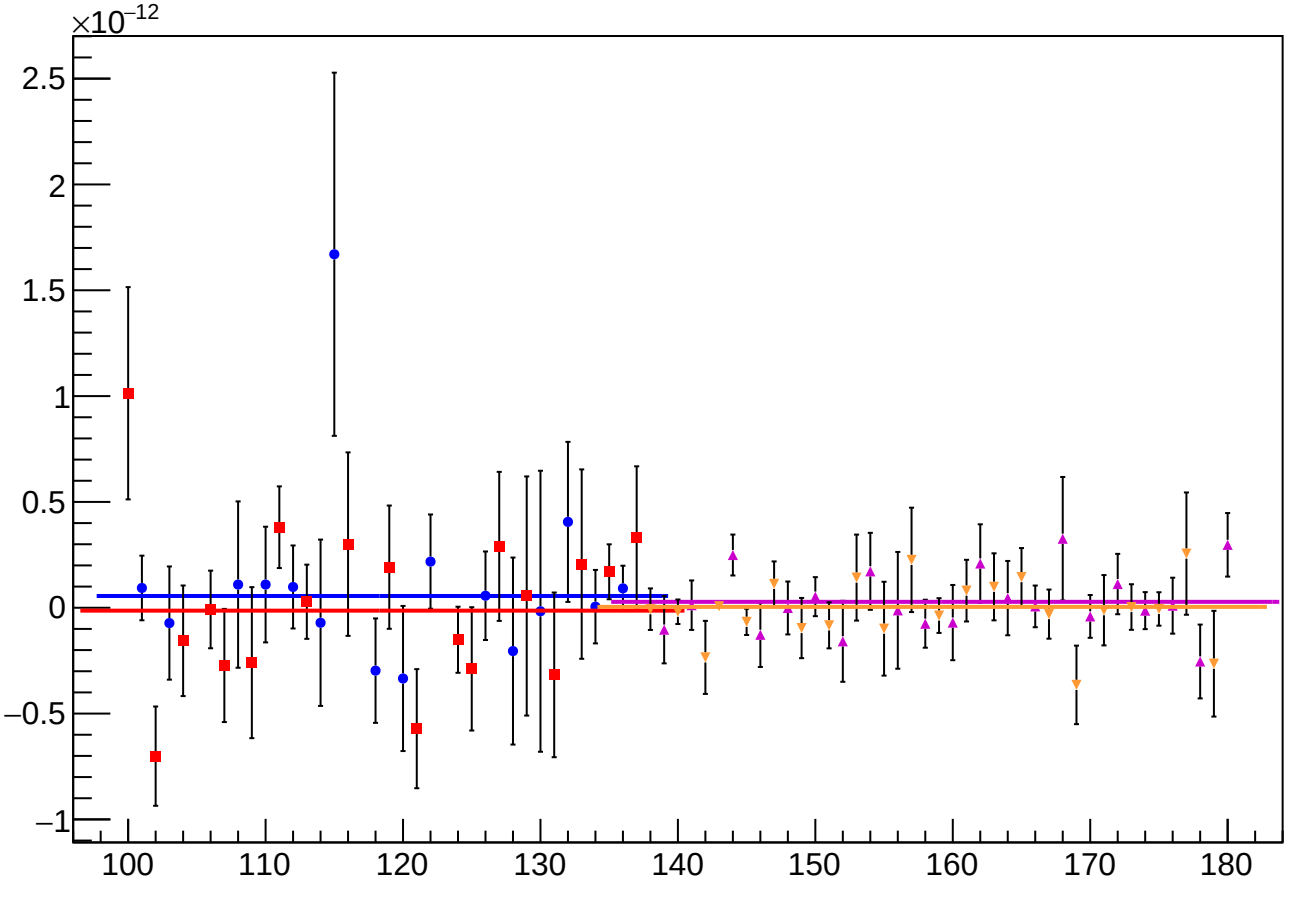
Left: 4658.639+/-0.570 χ^2/NDF: 2147865.4/42

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3946.727+/-0.589 χ^2/NDF:3789743.8/36

Out: 3803.341+/-0.565 χ^2/NDF:4005948.6/40

All: 3872.036+/-0.408 χ^2/NDF: 7826570.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

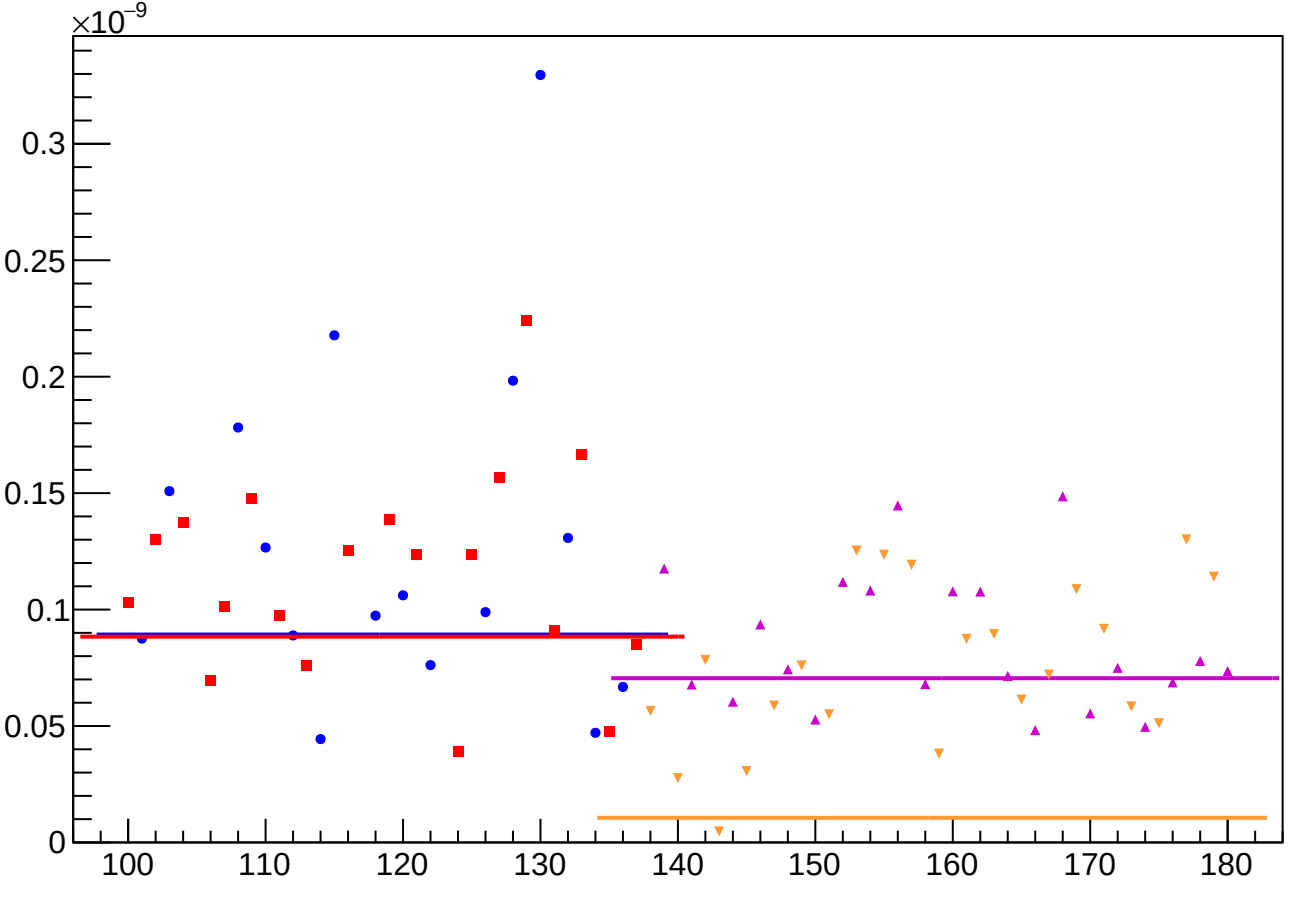
Left: 0.000+/-0.000 χ^2/NDF: 34.5/42

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/36

Out: 0.000+/-0.000 χ^2/NDF:45.2/40

All: 0.000+/-0.000 χ^2/NDF: 74.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9456782.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1224827.7/20

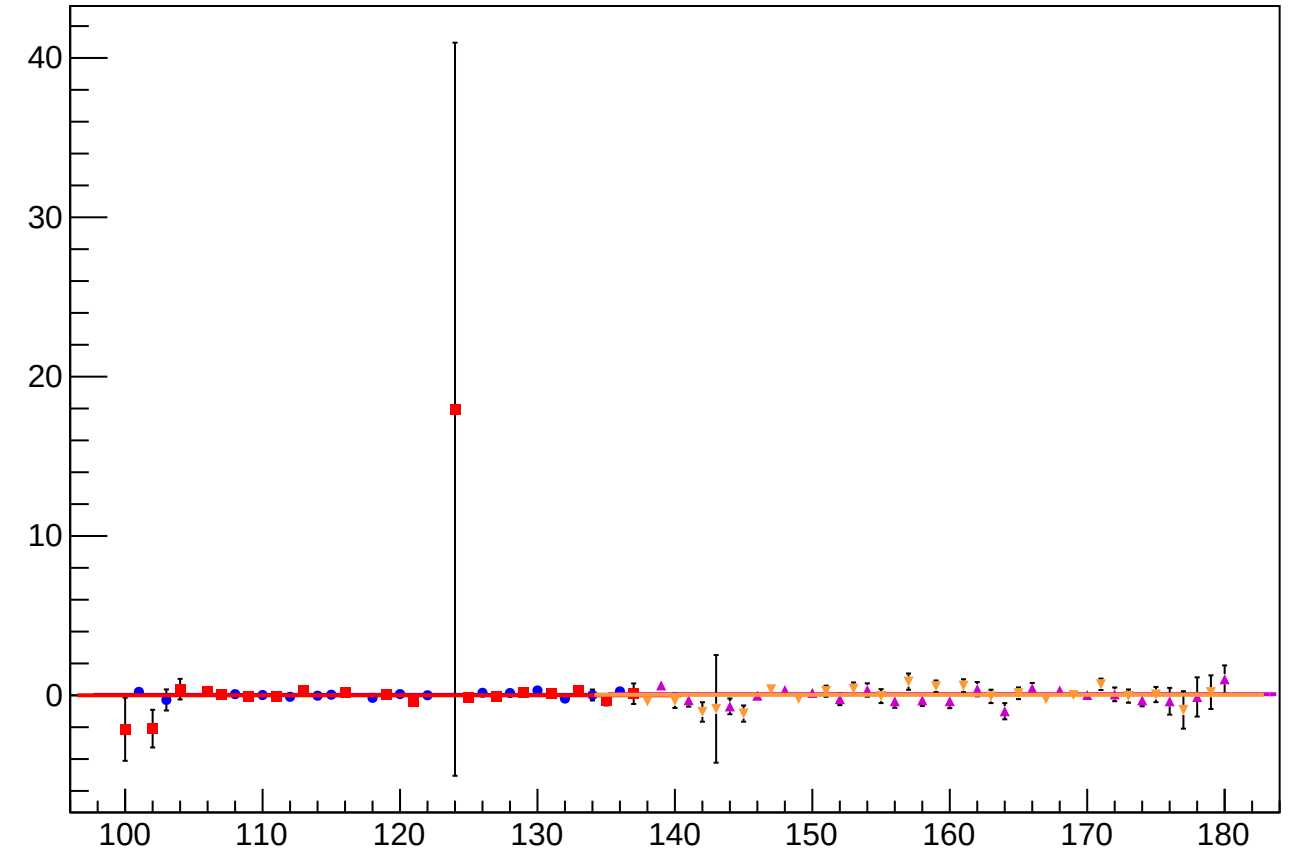
Left: 0.000+/-0.000 χ^2/NDF: 18712124.7/42

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2349534.4/36

Out: 0.000+/-0.000 χ^2/NDF:14275427.8/40

All: 0.000+/-0.000 χ^2/NDF: 27264915.5/77



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.071+/-0.076 χ^2/NDF:23.6/20

Left: 0.053+/-0.055 χ^2/NDF: 50.8/42

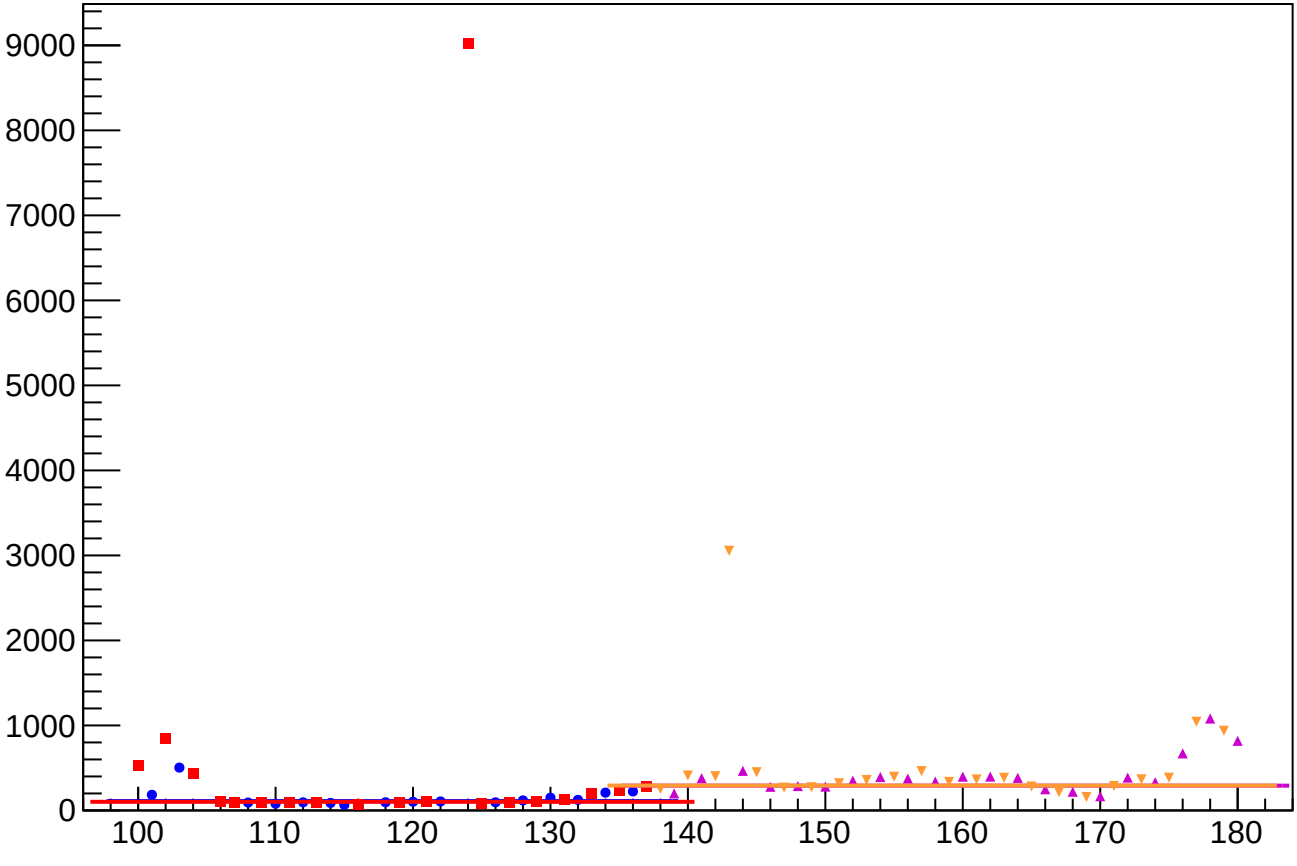
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.039 χ^2/NDF:32.7/36

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.025+/-0.027 χ^2/NDF: 82.5/77

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

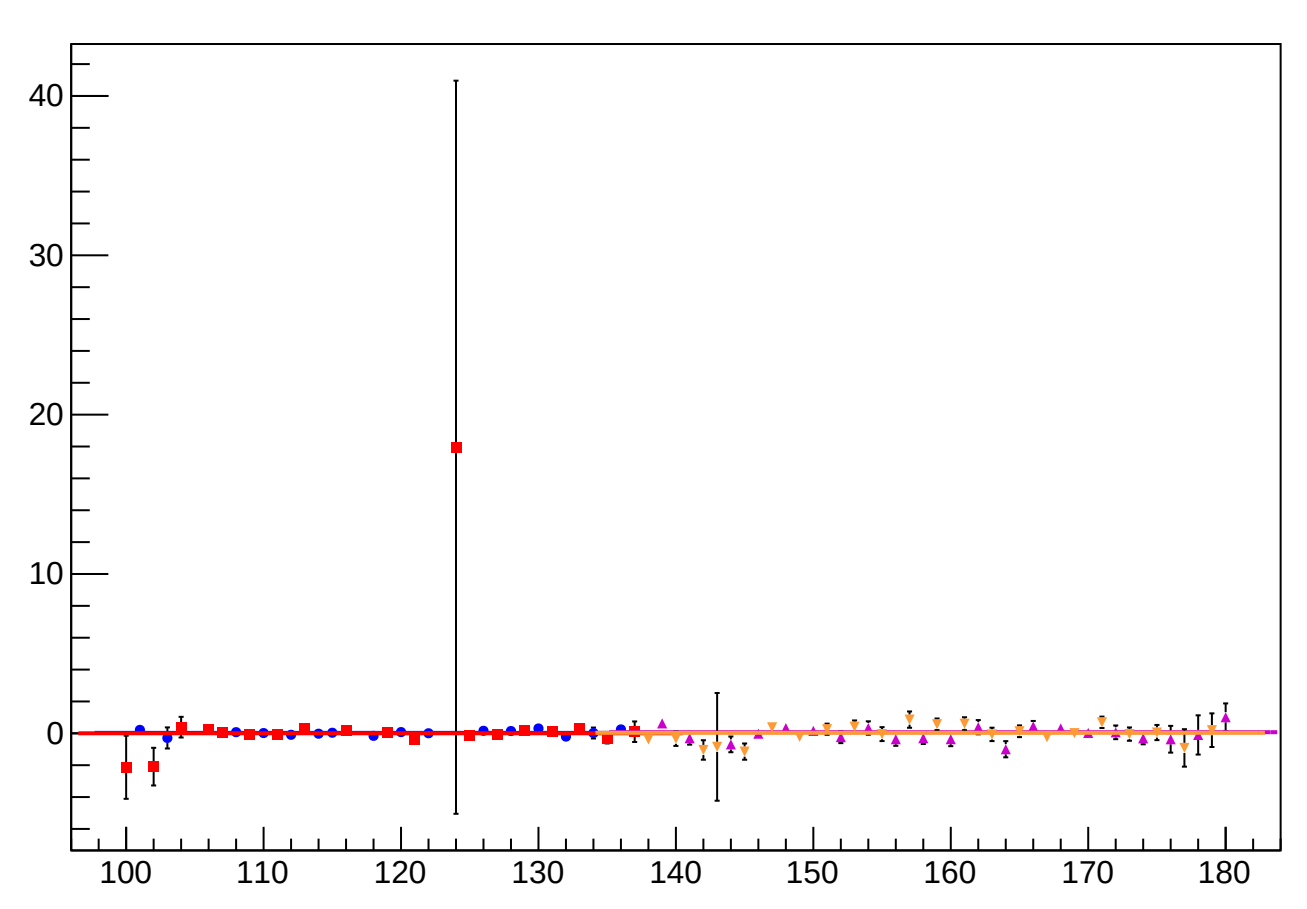
Left: 292.238+/-0.039 χ^2/NDF: 9861335.0/42

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 157.211+/-0.028 χ^2/NDF:14693479.1/36

Out: 147.044+/-0.027 χ^2/NDF:17225806.8/40

All: 151.985+/-0.019 χ^2/NDF: 31989250.4/77



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.071+/-0.076 χ^2/NDF:23.6/20

Left: 0.053+/-0.055 χ^2/NDF: 50.8/42

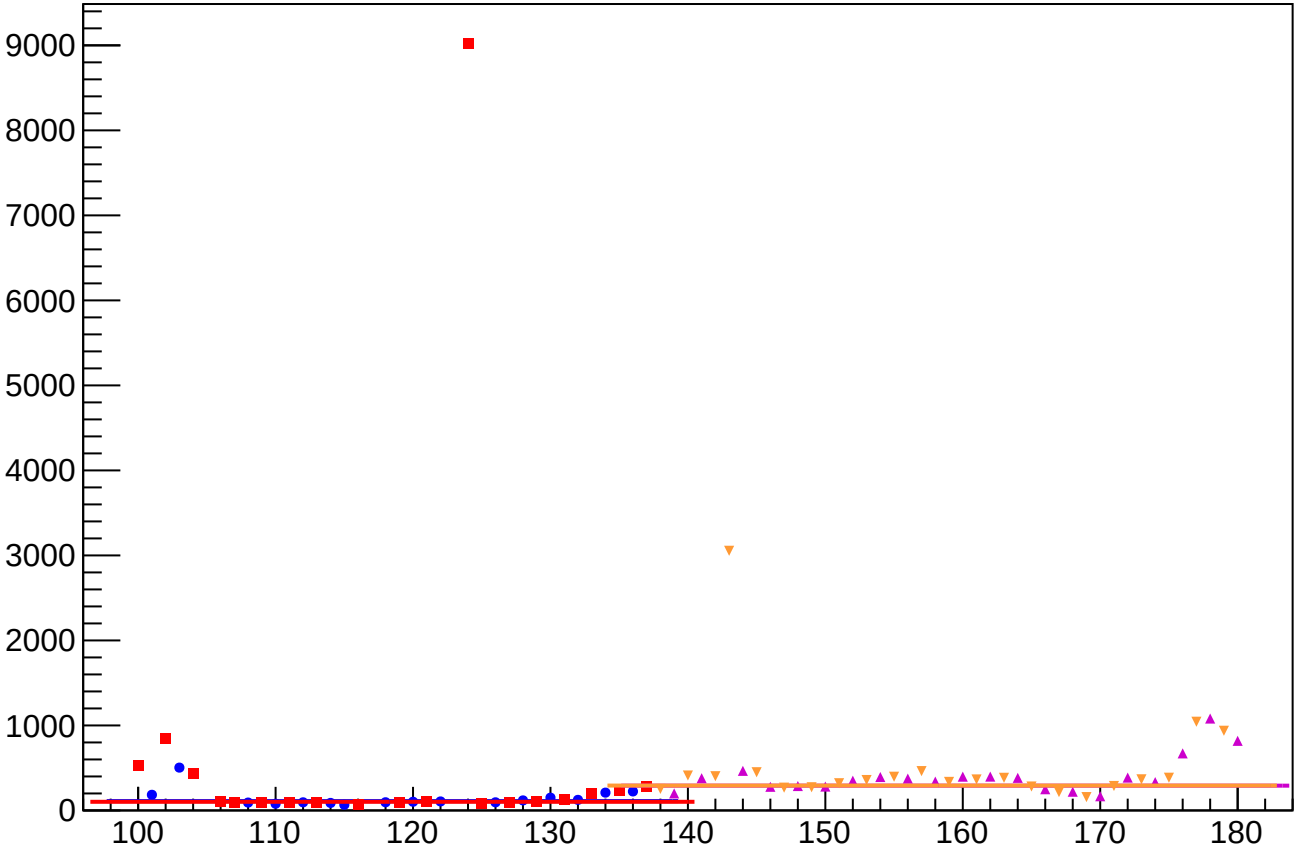
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.039 χ^2/NDF:32.7/36

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.025+/-0.027 χ^2/NDF: 82.5/77

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: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 291.663+/-0.054 χ^2/NDF:4401789.0/20

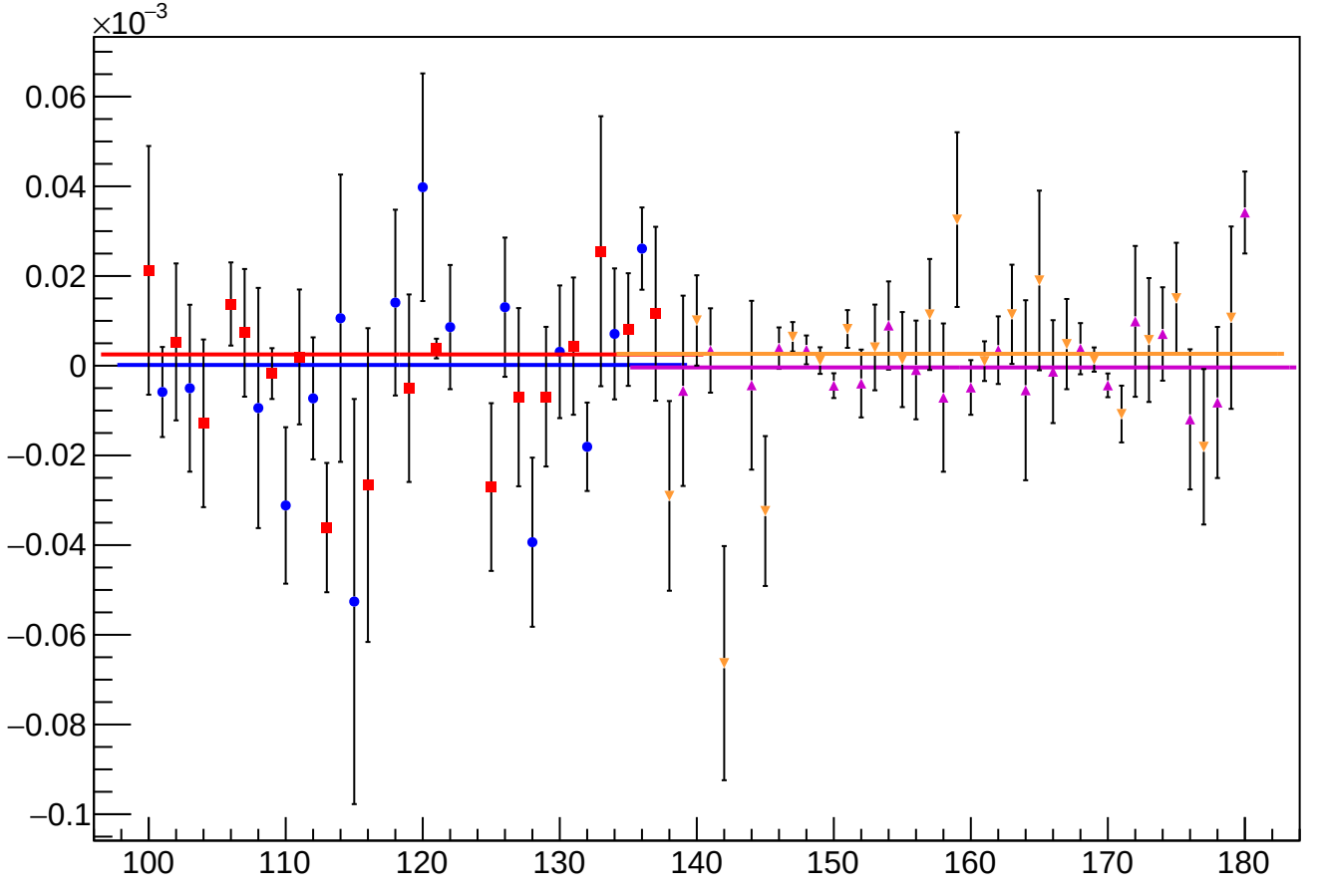
Left: 292.238+/-0.039 χ^2/NDF: 9861335.0/42

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 157.211+/-0.028 χ^2/NDF:14693479.1/36

Out: 147.044+/-0.027 χ^2/NDF:17225806.8/40

All: 151.985+/-0.019 χ^2/NDF: 31989250.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:25.7/20

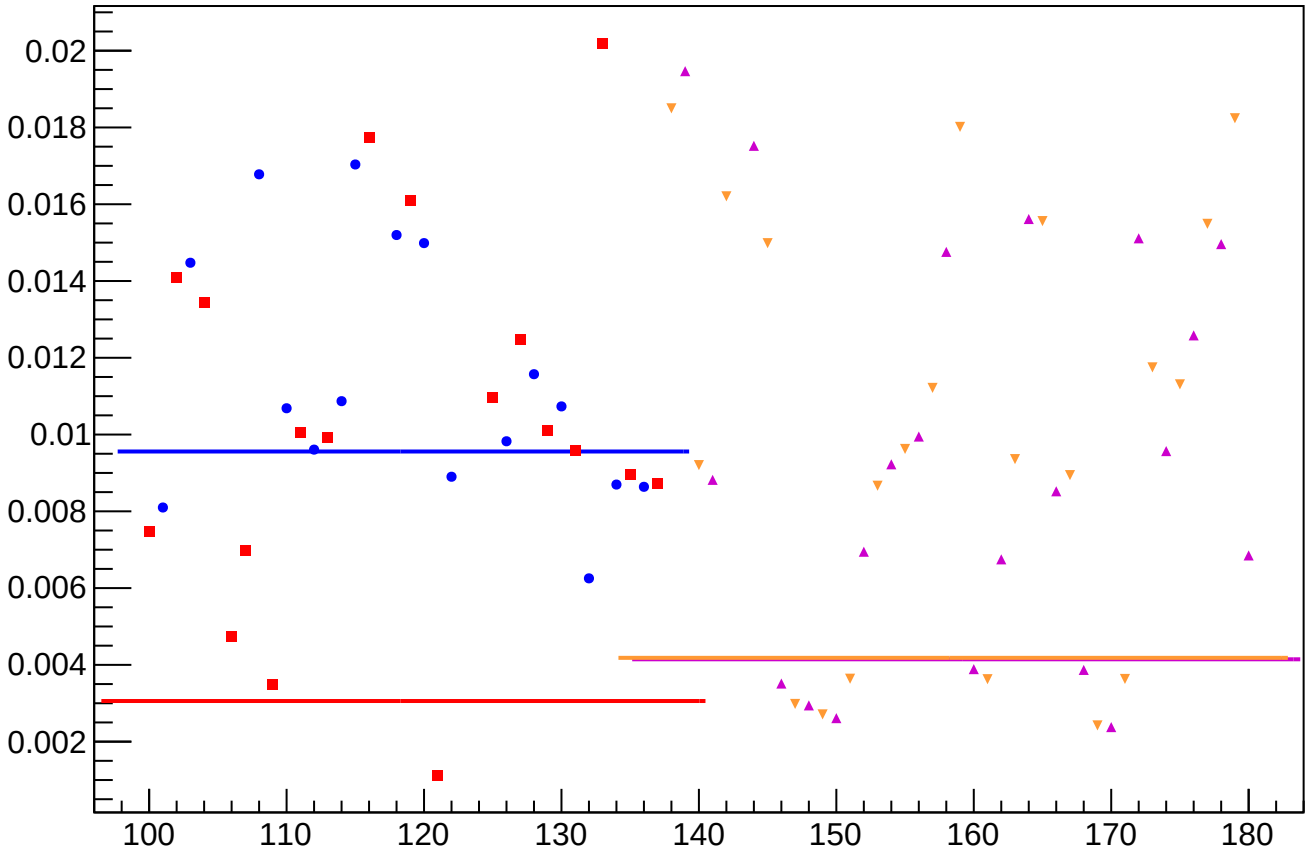
Left: 0.000+/-0.000 χ^2/NDF: 57.6/41

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:51.3/36

Out: 0.000+/-0.000 χ^2/NDF:45.0/38

All: 0.000+/-0.000 χ^2/NDF: 99.5/75



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11590668.1/20

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10726760.0/20

Left: 0.004+/-0.000 χ^2/NDF: 22318256.3/41

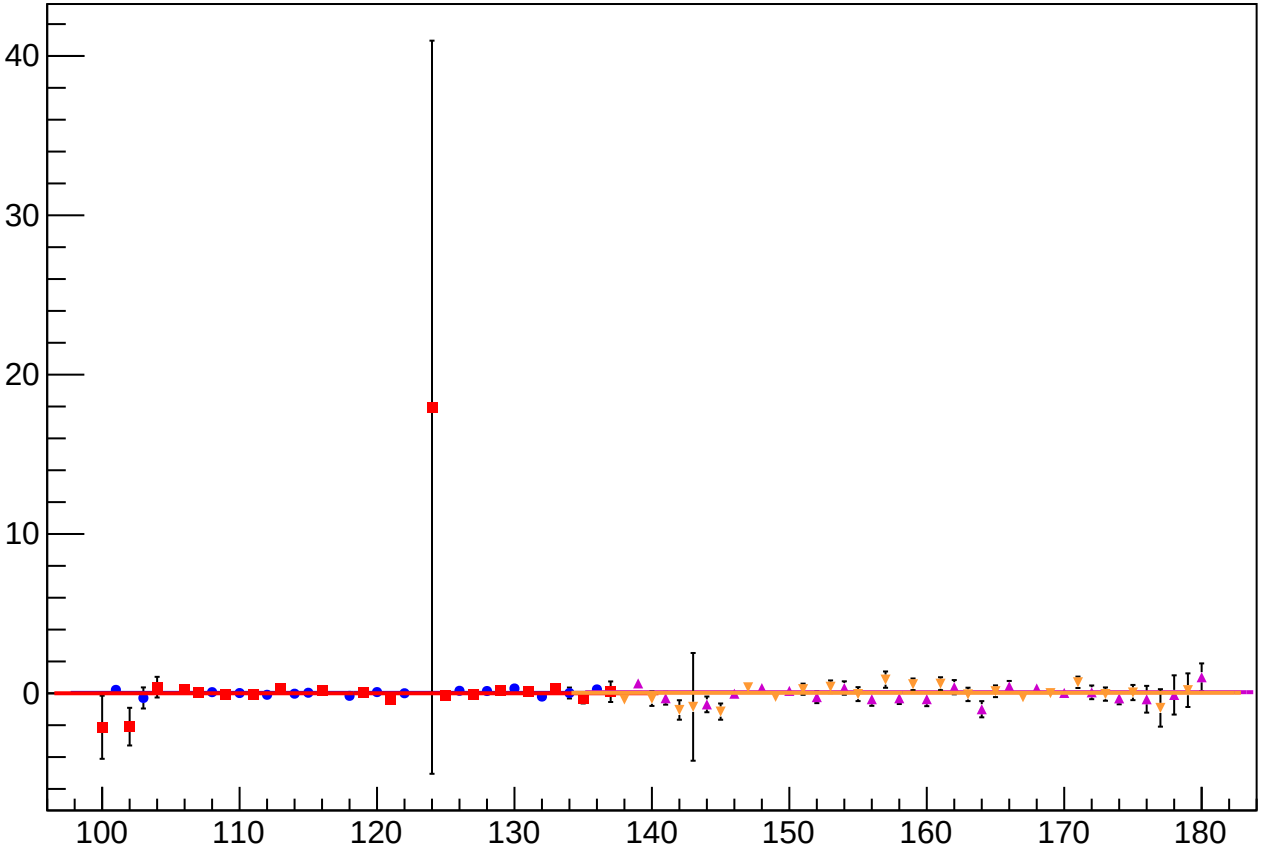
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:15408520.8/36

Out: 0.004+/-0.000 χ^2/NDF:20206370.1/38

All: 0.004+/-0.000 χ^2/NDF: 36276334.9/75

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: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.071+/-0.076 χ^2/NDF:23.6/20

Left: 0.053+/-0.055 χ^2/NDF: 50.8/42

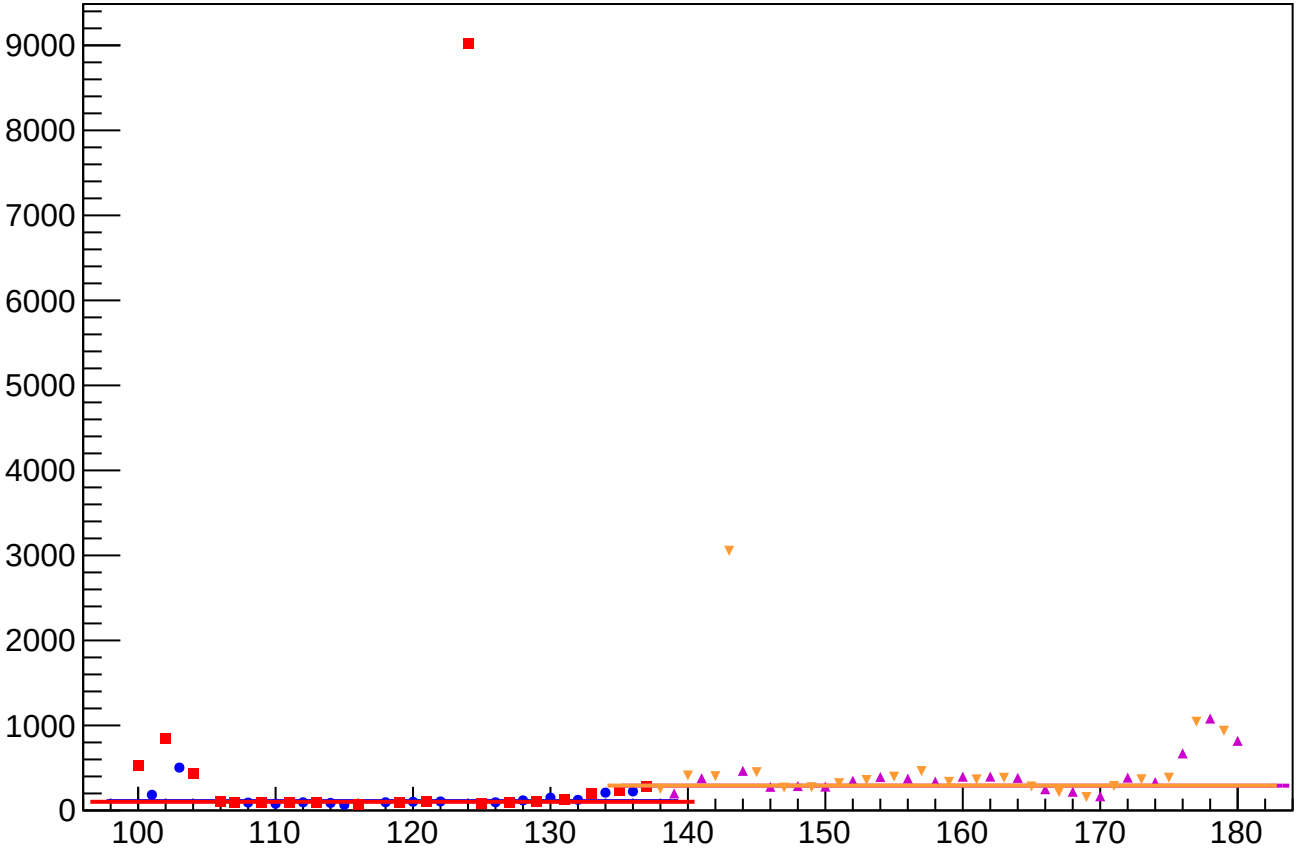
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.039 χ^2/NDF:32.7/36

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.025+/-0.027 χ^2/NDF: 82.5/77

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: 292.837+/-0.055 χ^2/NDF:5459371.7/21

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

Left: 292.240+/-0.039 χ^2/NDF: 9861350.6/42

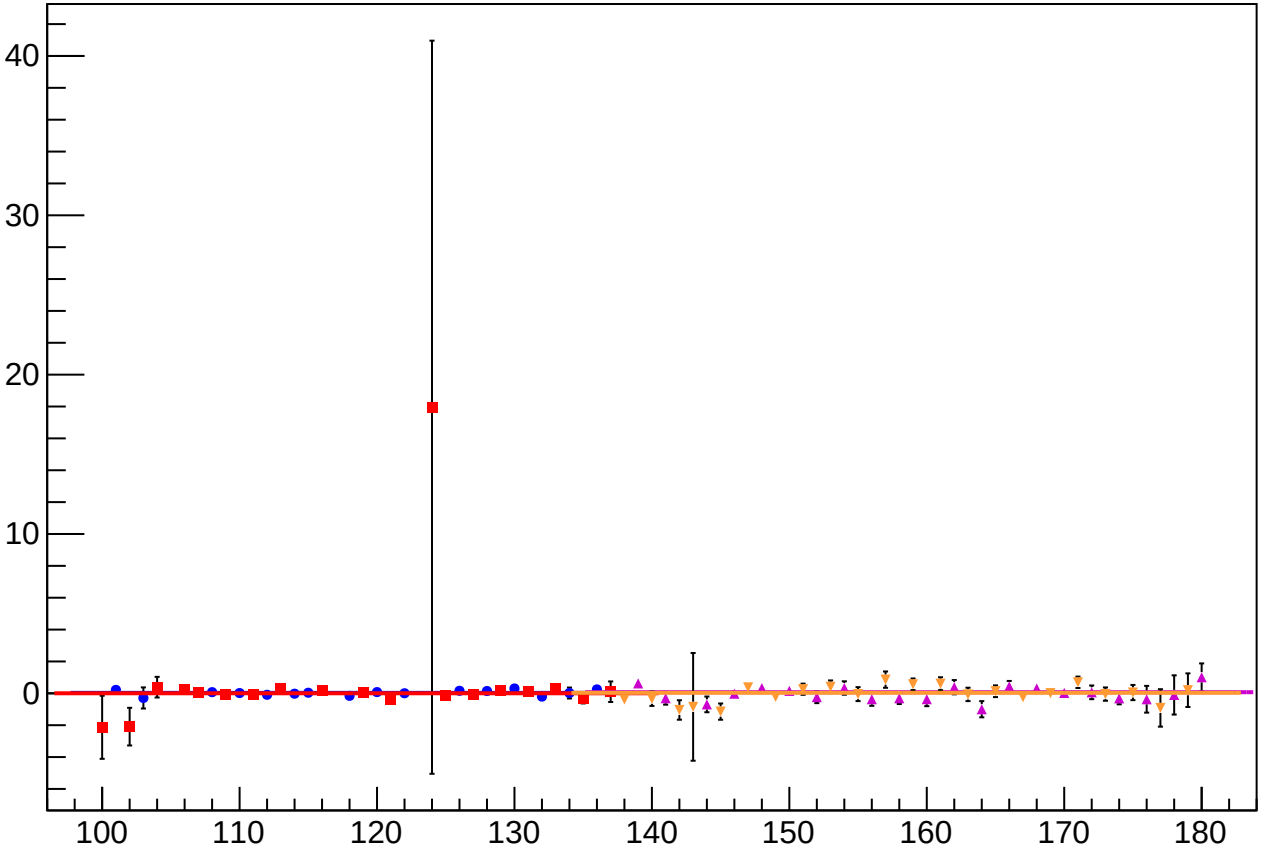
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 157.212+/-0.028 χ^2/NDF:14693423.0/36

Out: 147.046+/-0.027 χ^2/NDF:17225685.7/40

All: 151.986+/-0.019 χ^2/NDF: 31989067.6/77

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: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.071+/-0.076 χ^2/NDF:23.6/20

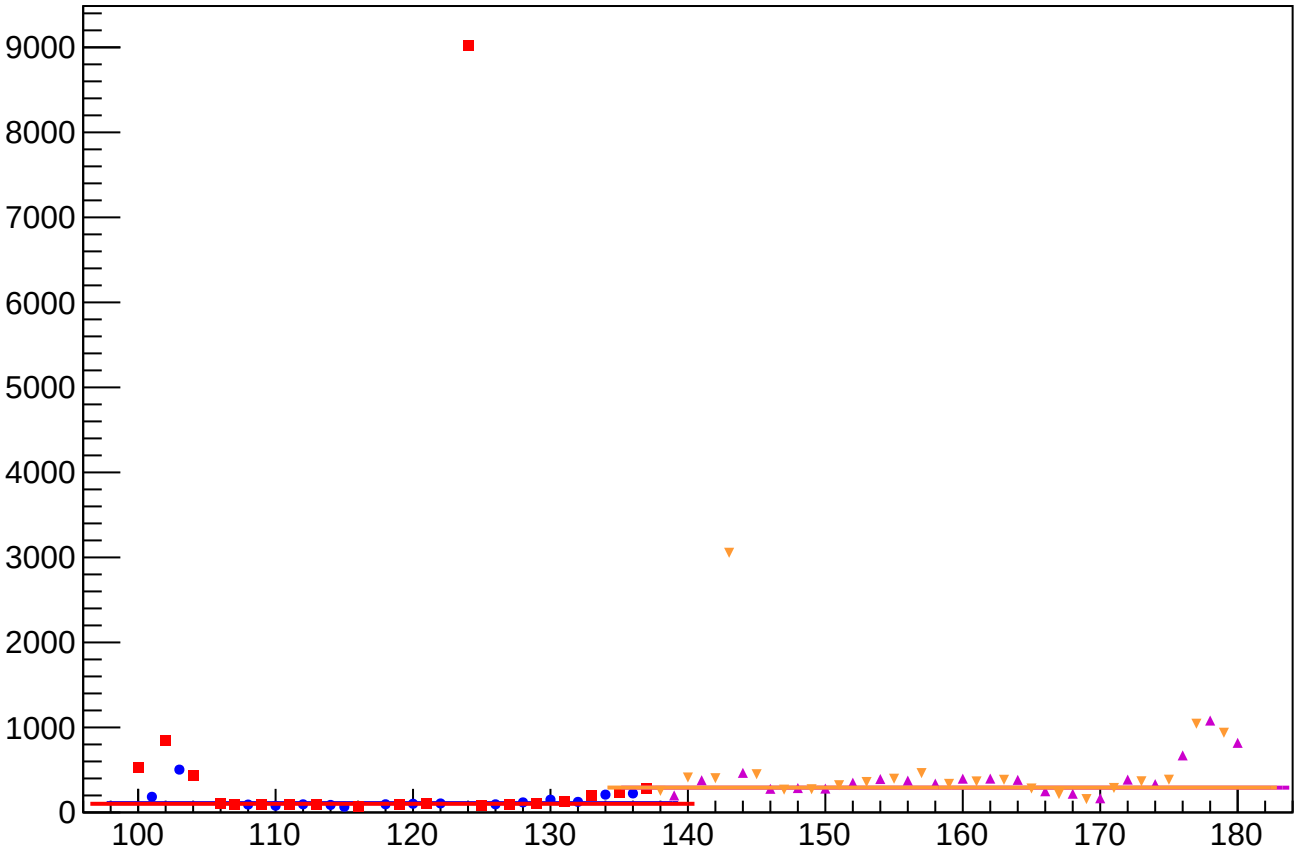
Left: 0.053+/-0.055 χ^2/NDF: 50.8/42

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.039 χ^2/NDF:32.7/36

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.025+/-0.027 χ^2/NDF: 82.5/77



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 292.837+/-0.055 χ^2/NDF:5459371.7/21

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 291.666+/-0.054 χ^2/NDF:4401748.8/20

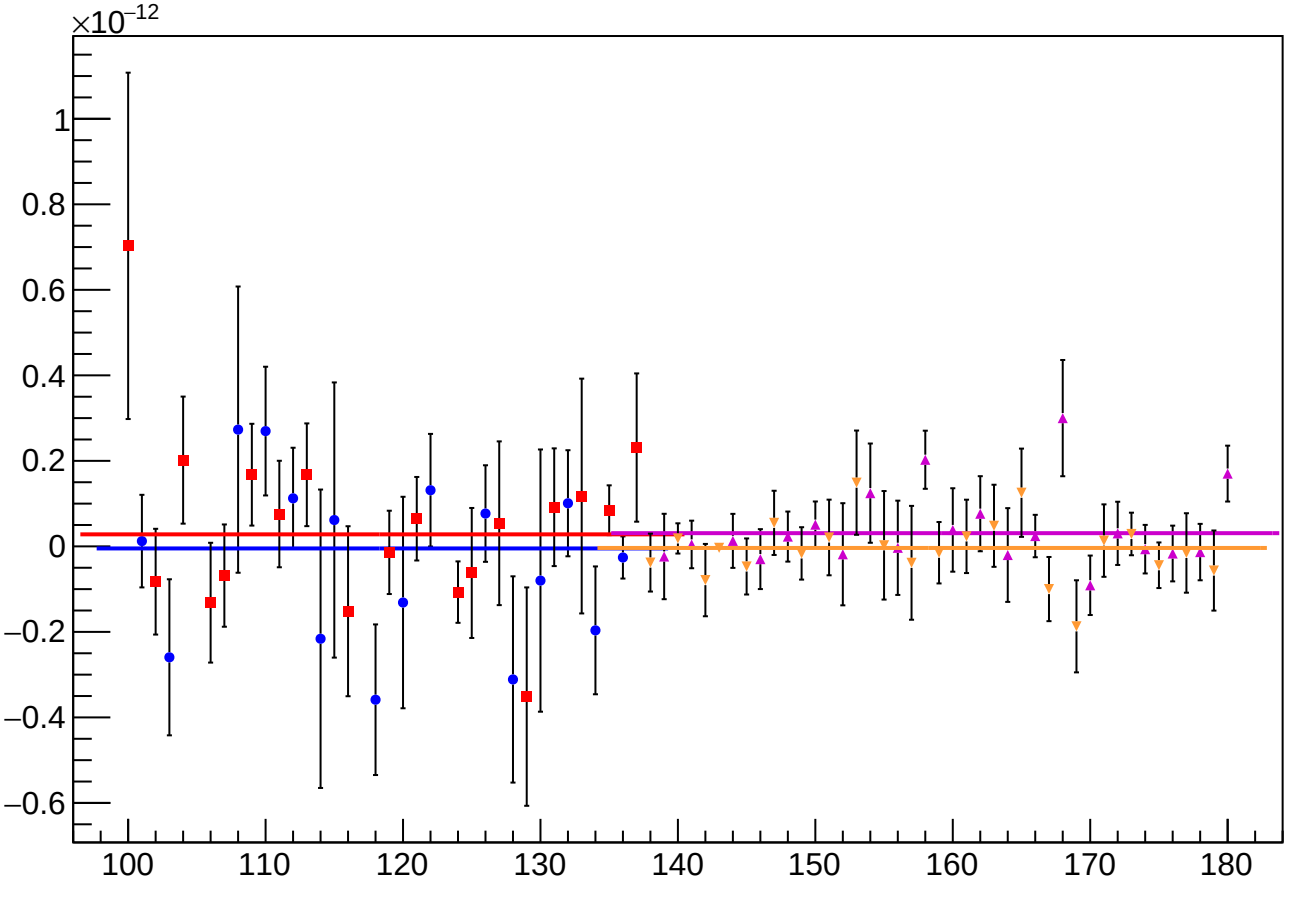
Left: 292.240+/-0.039 χ^2/NDF: 9861350.6/42

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 157.212+/-0.028 χ^2/NDF:14693423.0/36

Out: 147.046+/-0.027 χ^2/NDF:17225685.7/40

All: 151.986+/-0.019 χ^2/NDF: 31989067.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/20

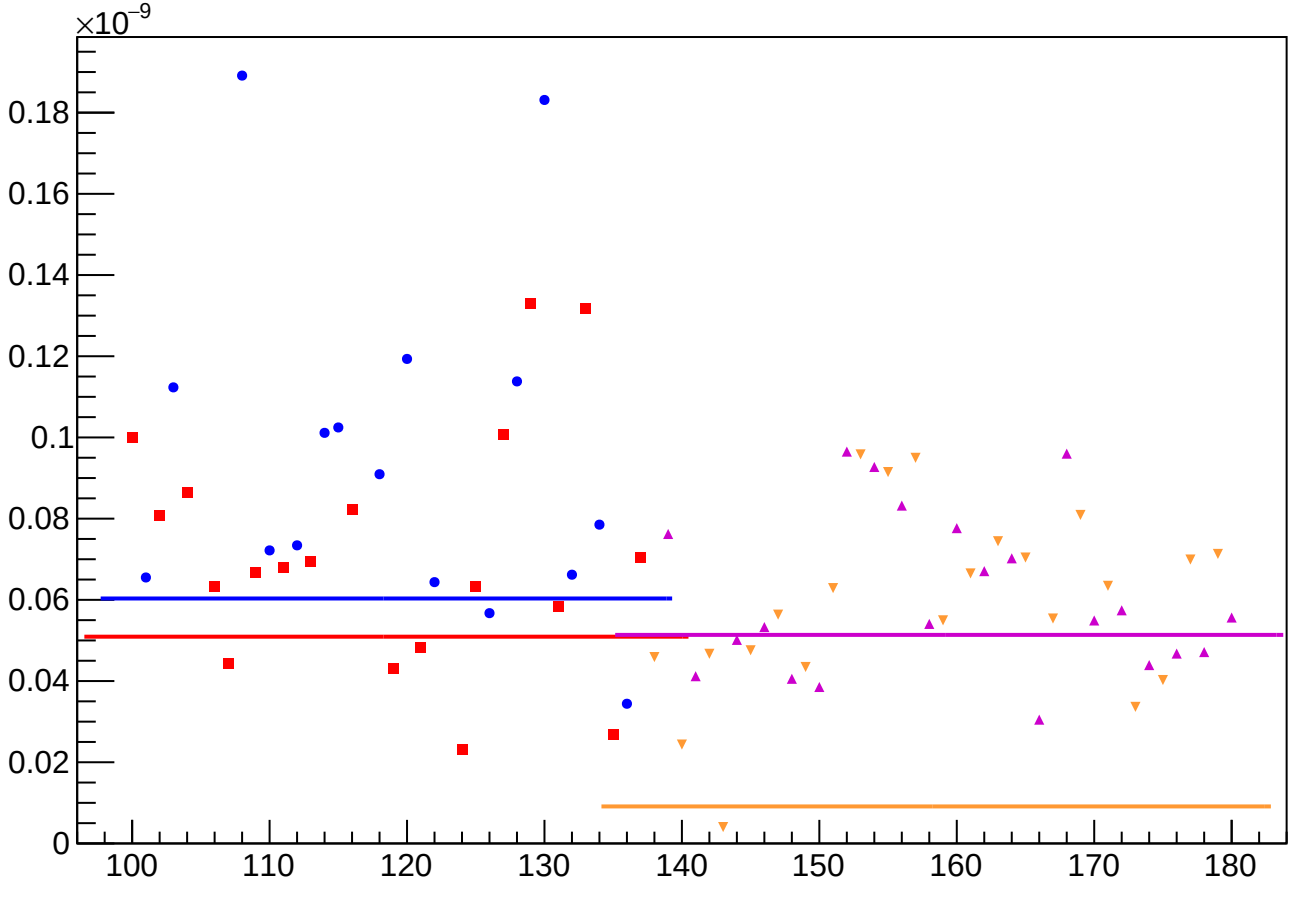
Left: -0.000+/-0.000 χ^2/NDF: 38.9/42

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.8/36

Out: -0.000+/-0.000 χ^2/NDF:33.1/40

All: 0.000+/-0.000 χ^2/NDF: 77.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17244308.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2000921.9/20

Left: 0.000+/-0.000 χ^2/NDF: 32466592.8/42

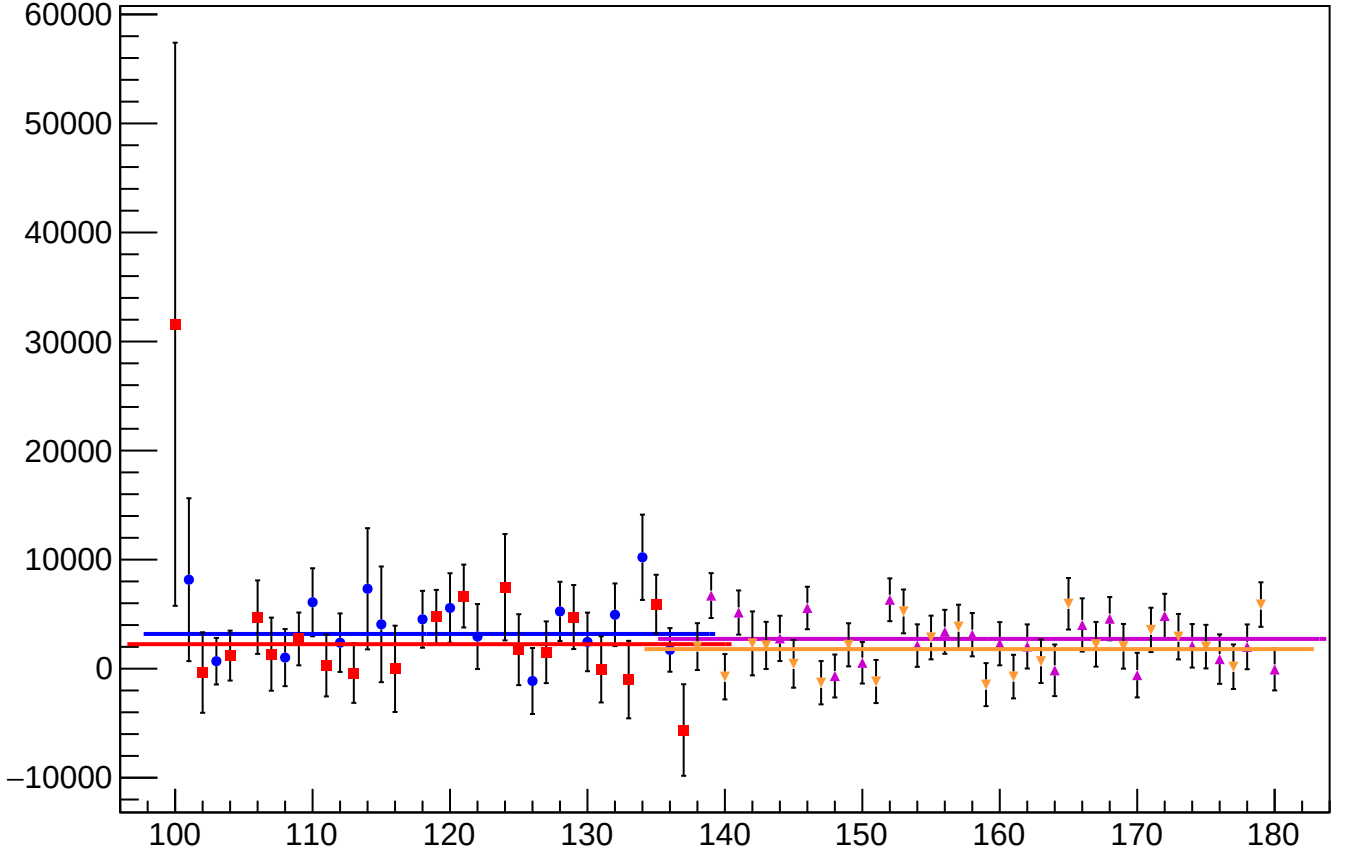
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3875613.6/36

Out: 0.000+/-0.000 χ^2/NDF:23464308.6/40

All: 0.000+/-0.000 χ^2/NDF: 43574131.6/77

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.692+/-442.308 χ^2/NDF:24.4/21

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2727.997+/-444.367 χ^2/NDF:24.7/20

Left: 2259.177+/-313.485 χ^2/NDF: 51.3/42

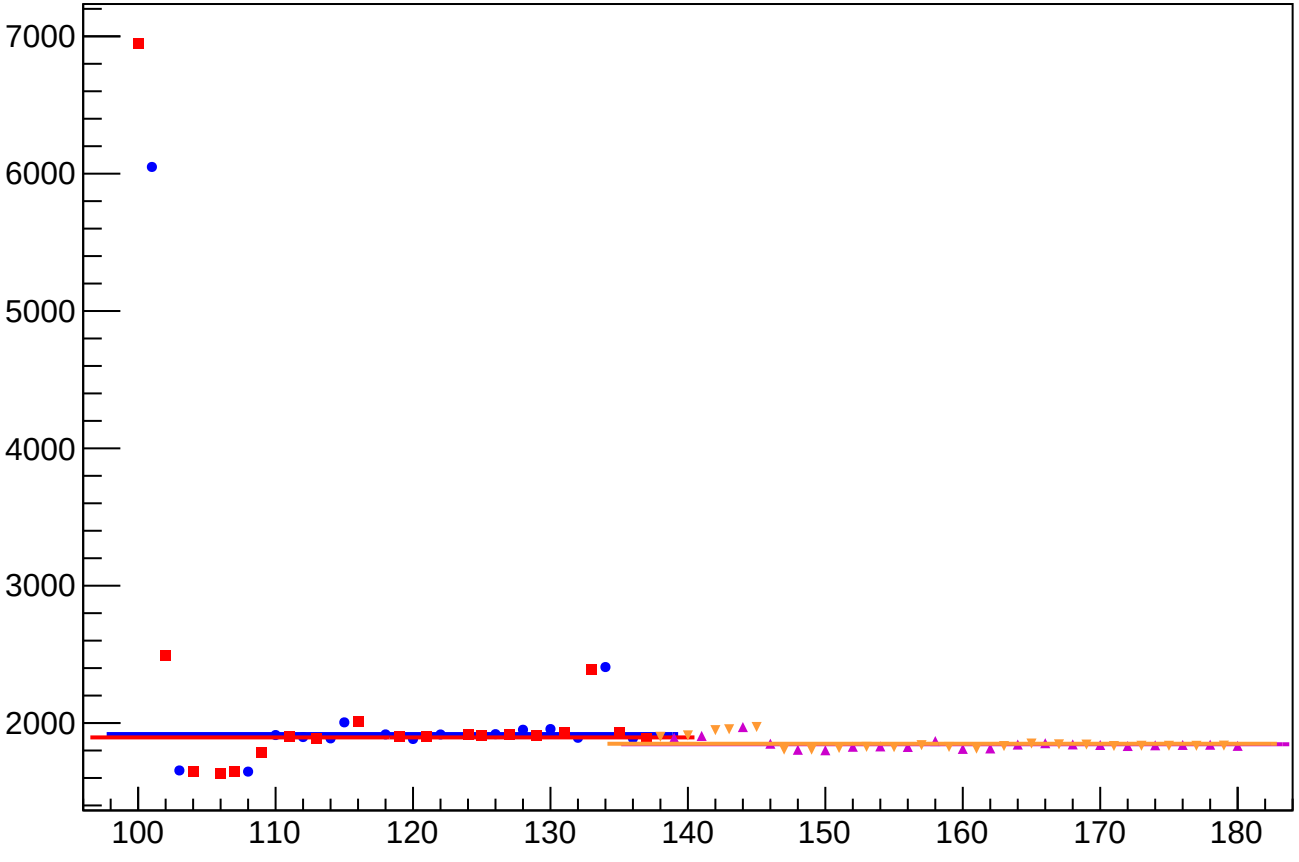
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2850.925+/-379.732 χ^2/NDF:36.7/36

Out: 1920.654+/-375.553 χ^2/NDF:41.2/40

All: 2380.642+/-267.022 χ^2/NDF: 80.9/77

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

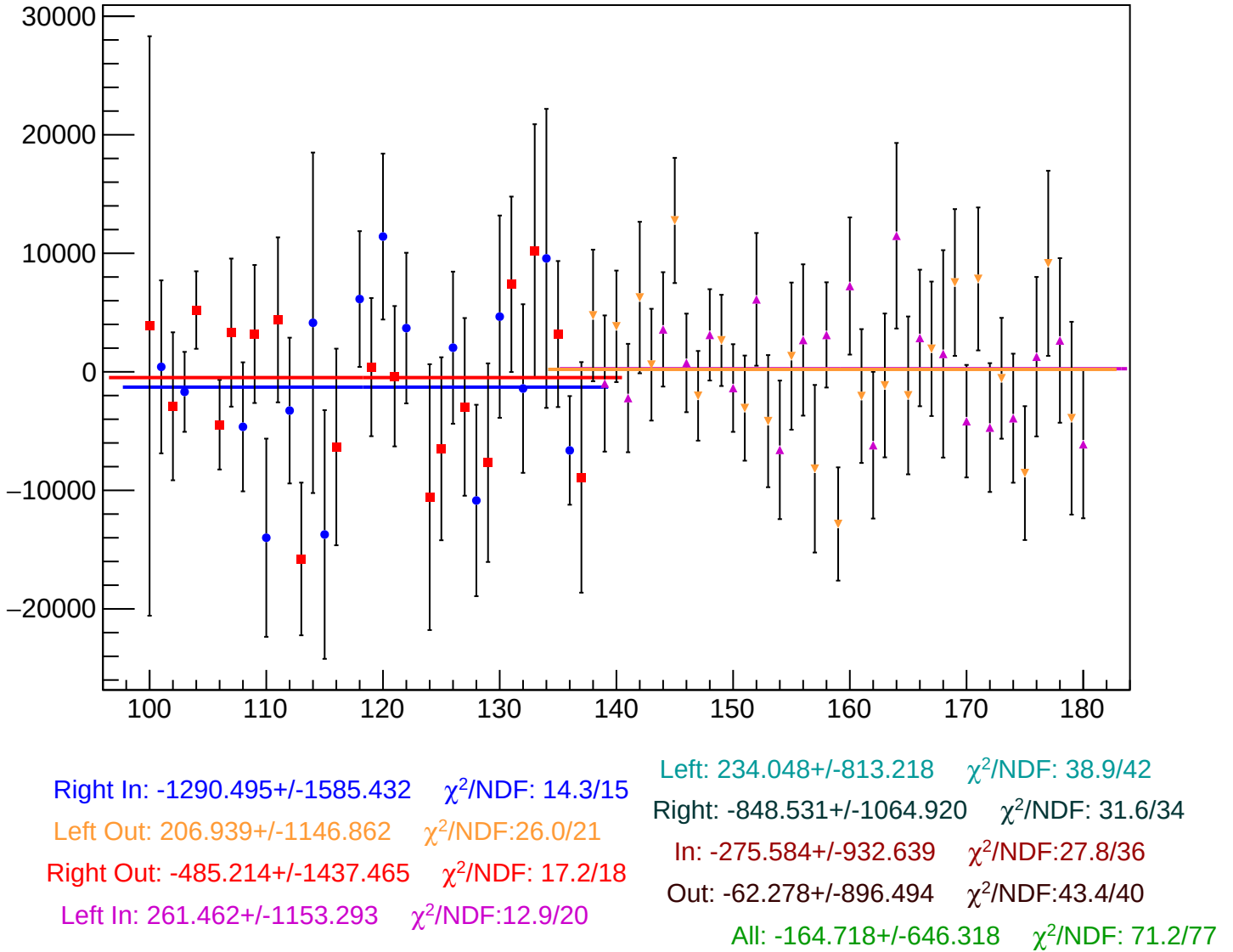
Left: 1847.377+/-0.222 χ^2/NDF: 34761.4/42

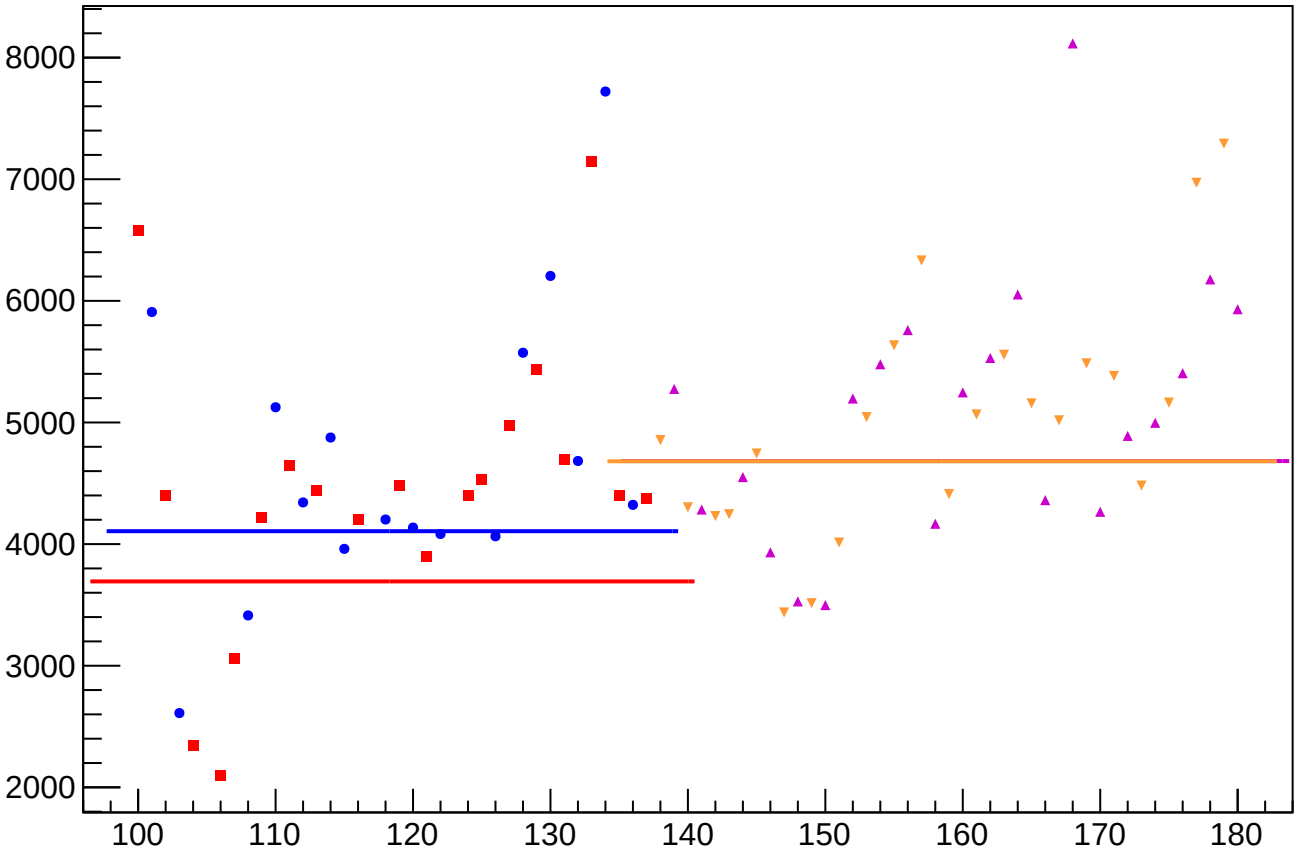
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1865.548+/-0.269 χ^2/NDF:726416.9/36

Out: 1862.175+/-0.265 χ^2/NDF:249073.3/40

All: 1863.841+/-0.189 χ^2/NDF: 975570.0/77


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: 206.939+/-1146.862 χ²/NDF:26.0/21
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 261.462+/-1153.293 χ²/NDF:12.9/20
Left: 234.048+/-813.218 χ²/NDF: 38.9/42
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -275.584+/-932.639 χ²/NDF:27.8/36
Out: -62.278+/-896.494 χ²/NDF:43.4/40
All: -164.718+/-646.318 χ²/NDF: 71.2/77



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4681.087+/-0.811 χ^2/NDF:1183617.2/21

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4682.847+/-0.816 χ^2/NDF:1278211.7/20

Left: 4681.962+/-0.575 χ^2/NDF: 2461831.3/42

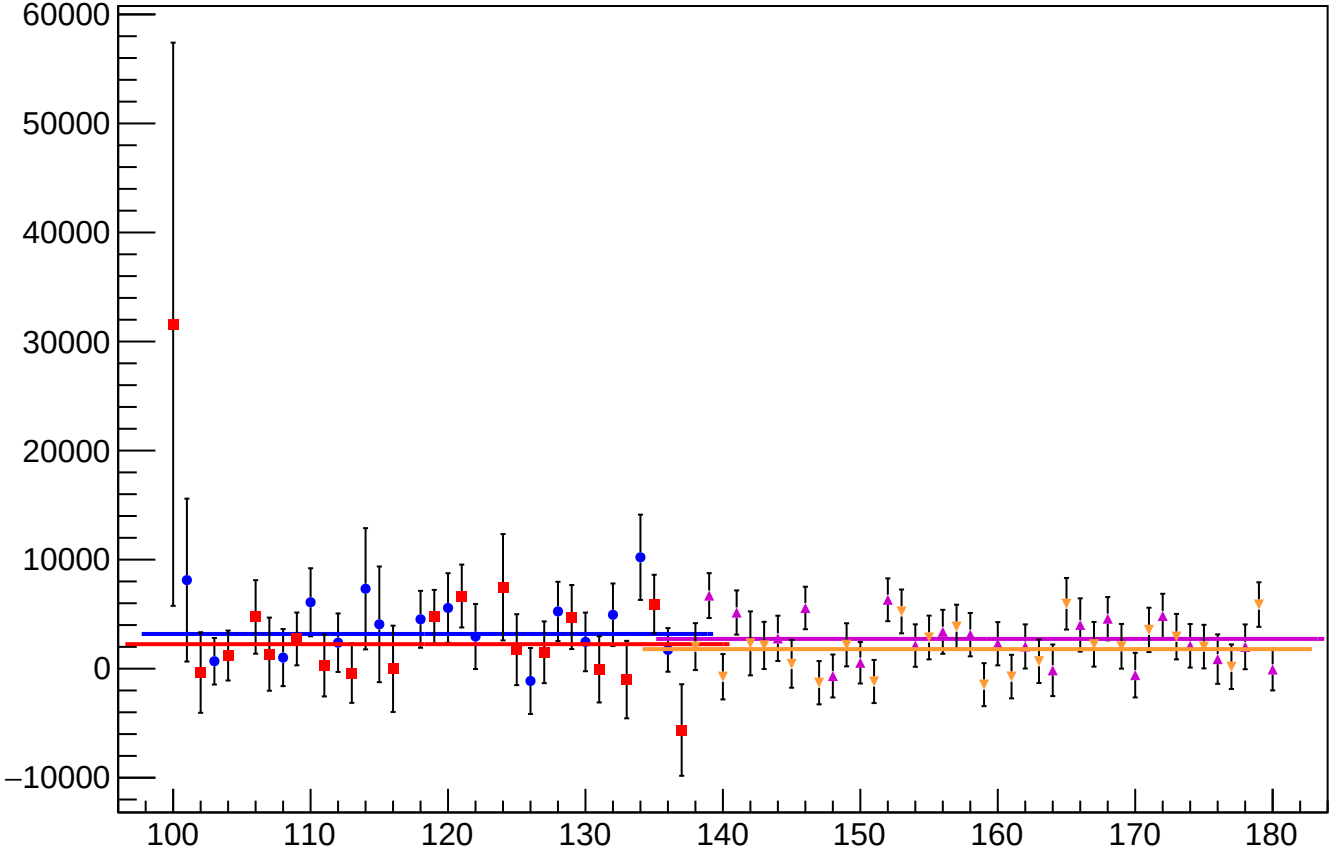
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4483.281+/-0.659 χ^2/NDF:2407399.7/36

Out: 4296.868+/-0.634 χ^2/NDF:3117378.1/40

All: 4386.392+/-0.457 χ^2/NDF: 5566306.6/77

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2727.969+/-444.367 χ^2/NDF:24.7/20

Left: 2259.125+/-313.485 χ^2/NDF: 51.3/42

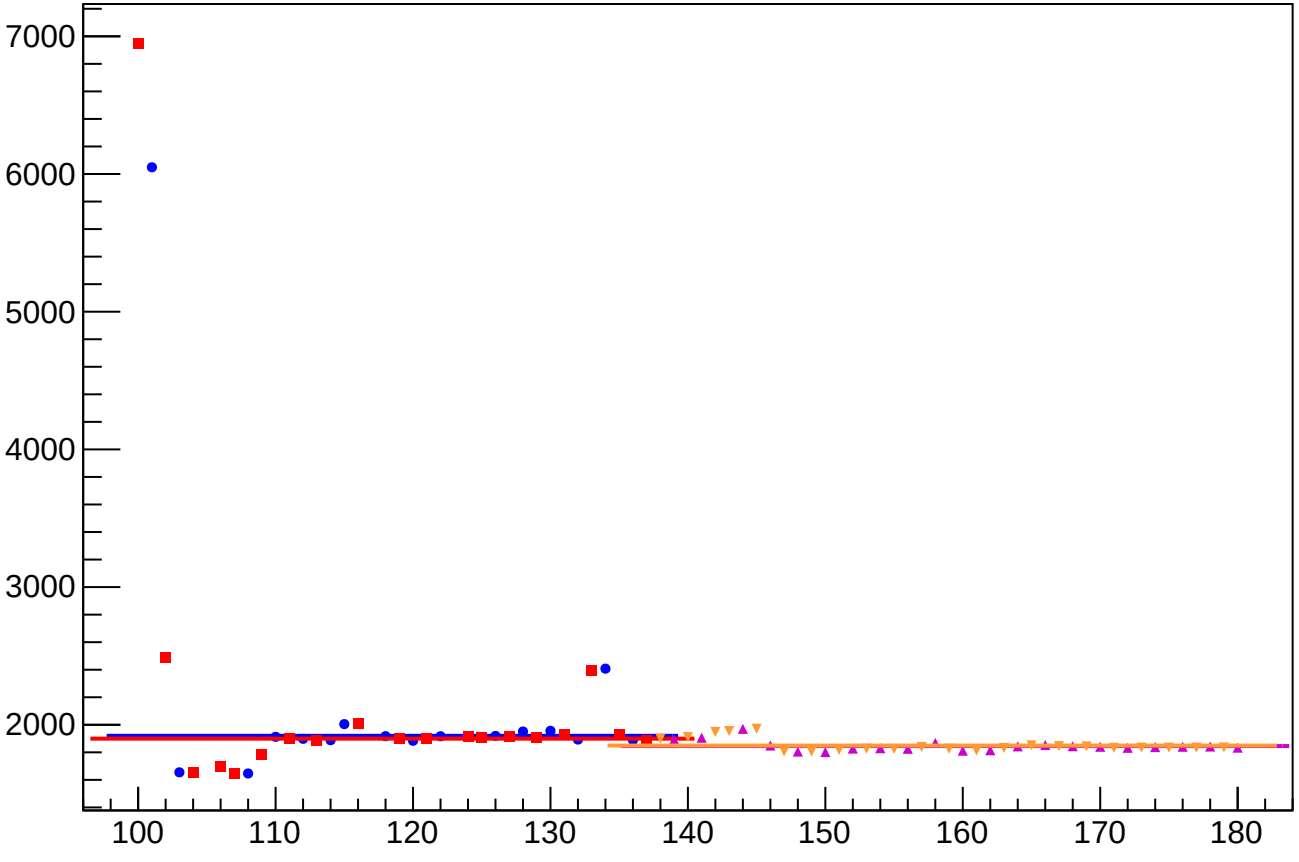
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2850.707+/-379.732 χ^2/NDF:36.7/36

Out: 1920.916+/-375.554 χ^2/NDF:41.2/40

All: 2380.667+/-267.022 χ^2/NDF: 80.9/77

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

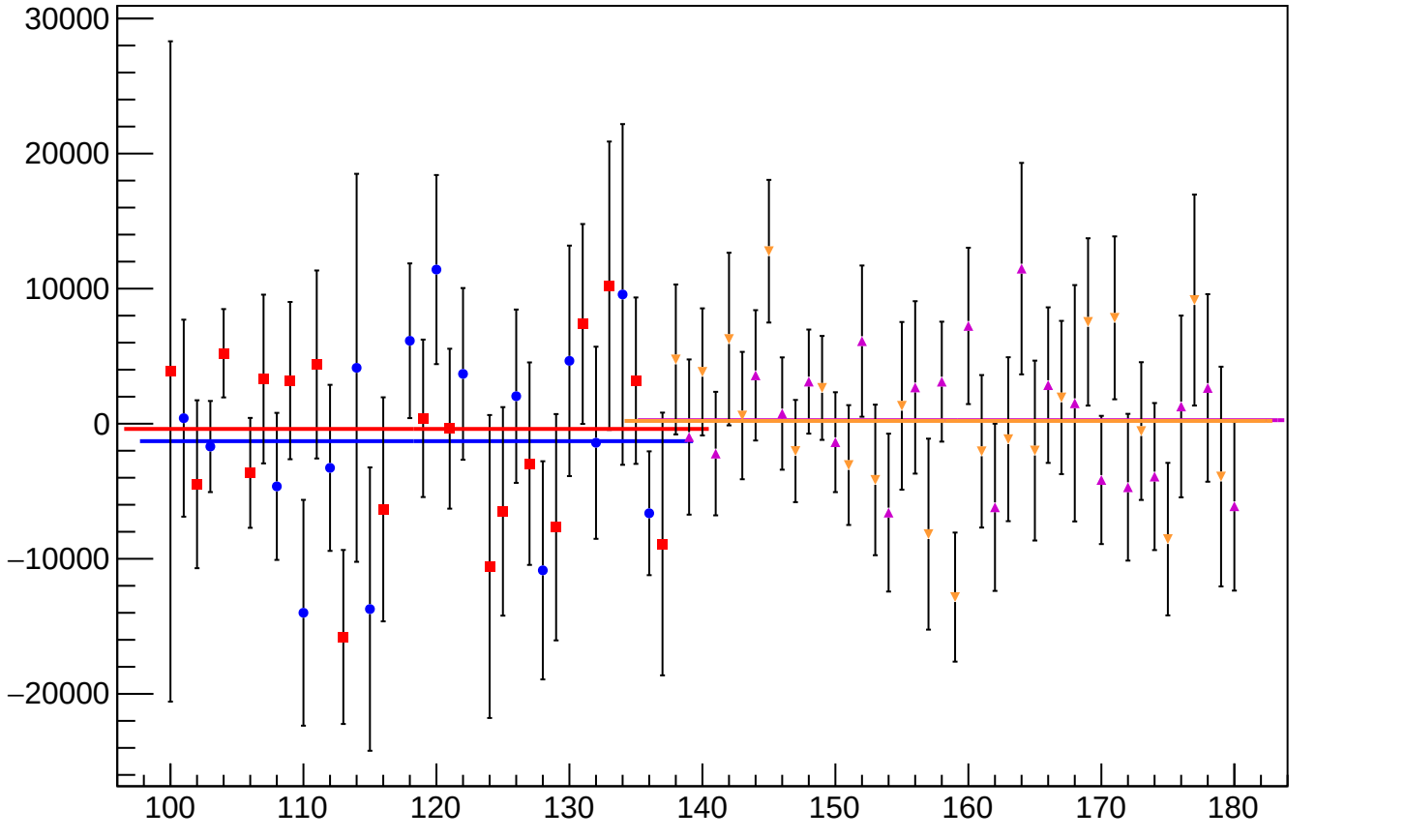
Left: 1847.377+/-0.222 χ^2/NDF: 34761.4/42

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1865.548+/-0.269 χ^2/NDF:726416.2/36

Out: 1863.259+/-0.265 χ^2/NDF:243538.4/40

All: 1864.390+/-0.189 χ^2/NDF: 969991.3/77



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 261.440+/-1153.294 χ^2/NDF:12.9/20

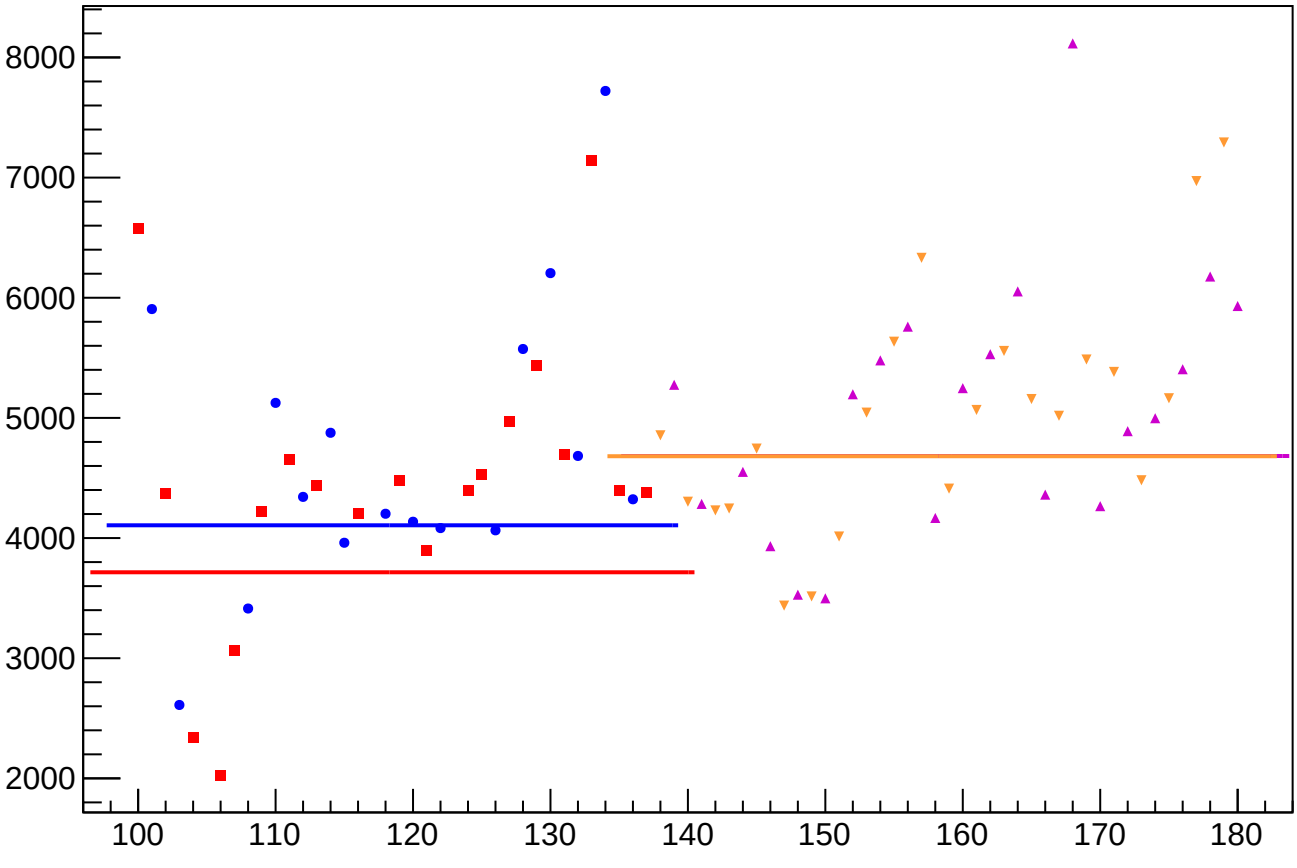
Left: 234.026+/-813.217 χ^2/NDF: 38.9/42

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -275.725+/-932.640 χ^2/NDF:27.8/36

Out: -21.588+/-899.874 χ^2/NDF:43.1/40

All: -144.114+/-647.581 χ^2/NDF: 71.0/77



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

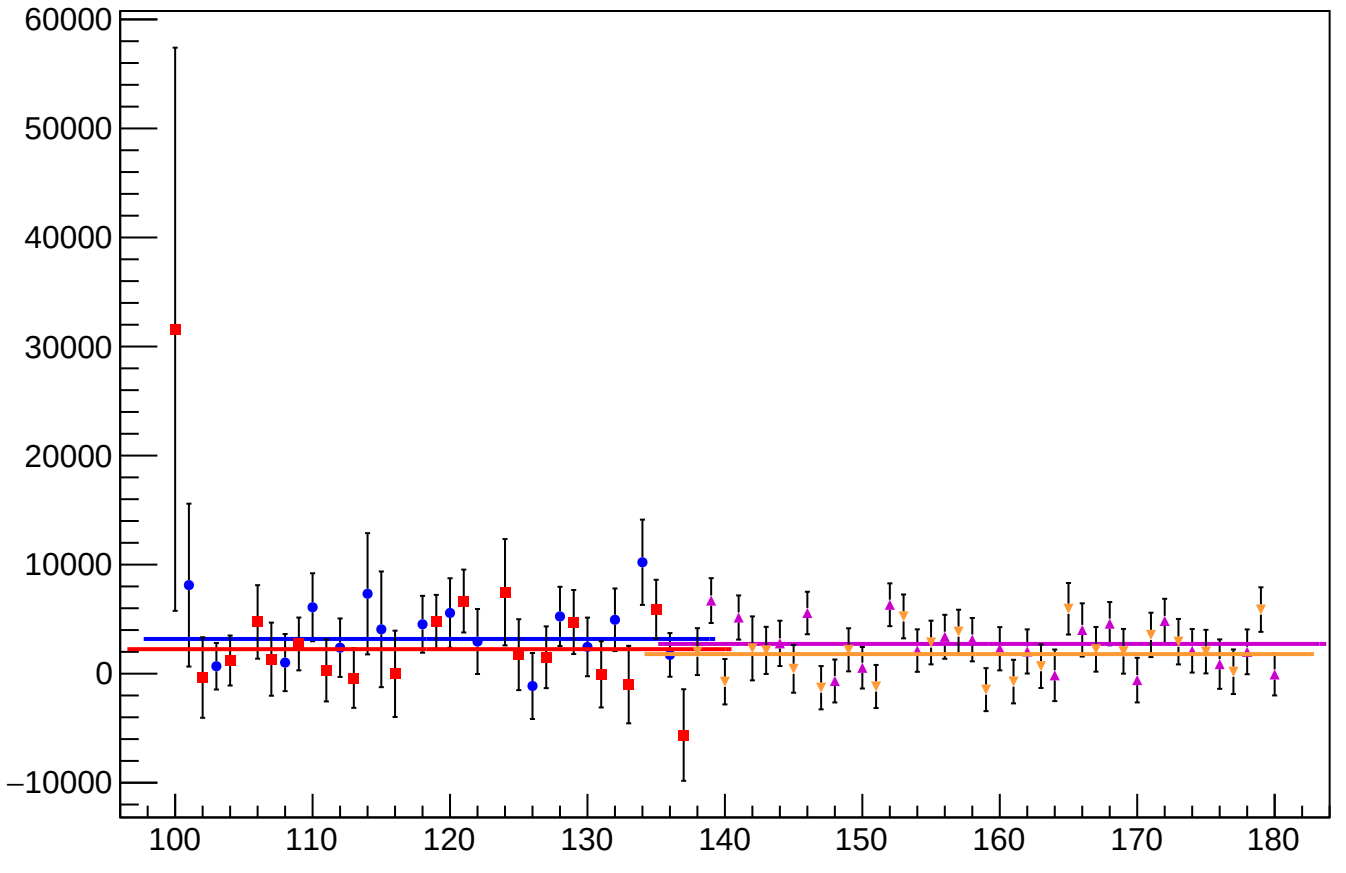
Left: 4681.958+/-0.575 χ^2/NDF: 2461852.4/42

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4483.315+/-0.659 χ^2/NDF:2406841.4/36

Out: 4309.856+/-0.636 χ^2/NDF:3063951.9/40

All: 4393.485+/-0.458 χ^2/NDF: 5506621.2/77



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2727.969+/-444.367 χ^2/NDF:24.7/20

Left: 2259.125+/-313.485 χ^2/NDF: 51.3/42

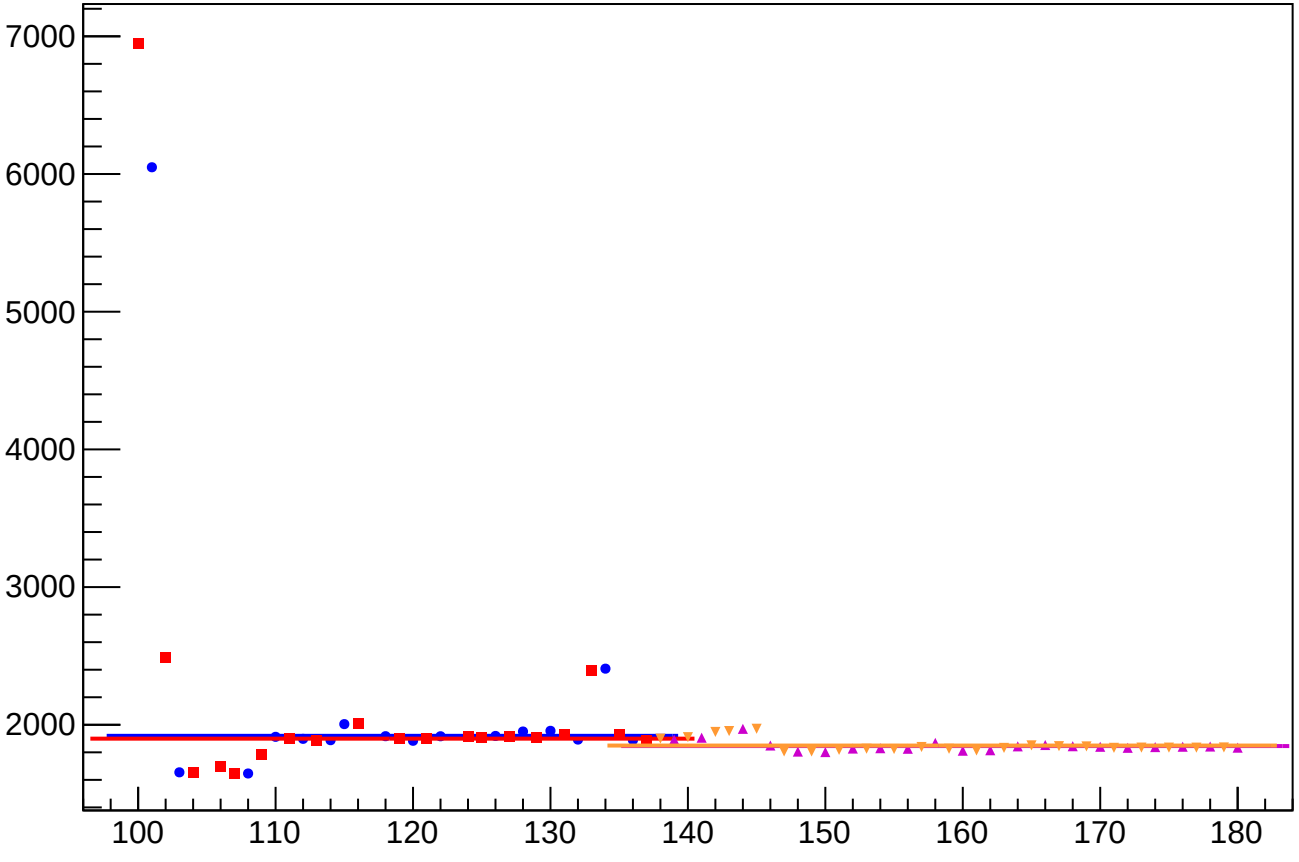
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2850.707+/-379.732 χ^2/NDF:36.7/36

Out: 1920.916+/-375.554 χ^2/NDF:41.2/40

All: 2380.667+/-267.022 χ^2/NDF: 80.9/77

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1845.497+/-0.314 χ^2/NDF:13990.3/20

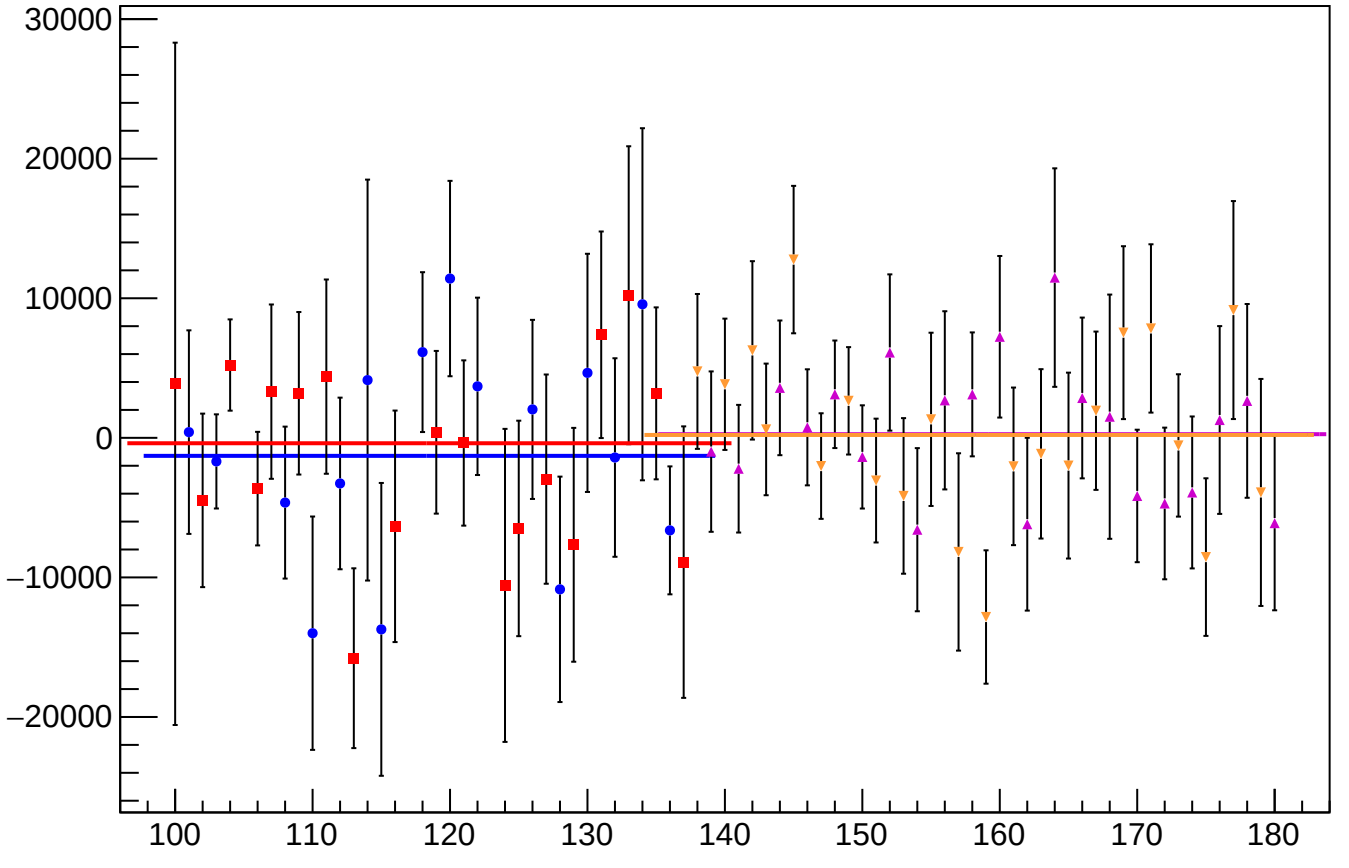
Left: 1847.377+/-0.222 χ^2/NDF: 34761.4/42

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1865.548+/-0.269 χ^2/NDF:726416.2/36

Out: 1863.259+/-0.265 χ^2/NDF:243538.4/40

All: 1864.390+/-0.189 χ^2/NDF: 969991.3/77



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 261.440+/-1153.294 χ^2/NDF:12.9/20

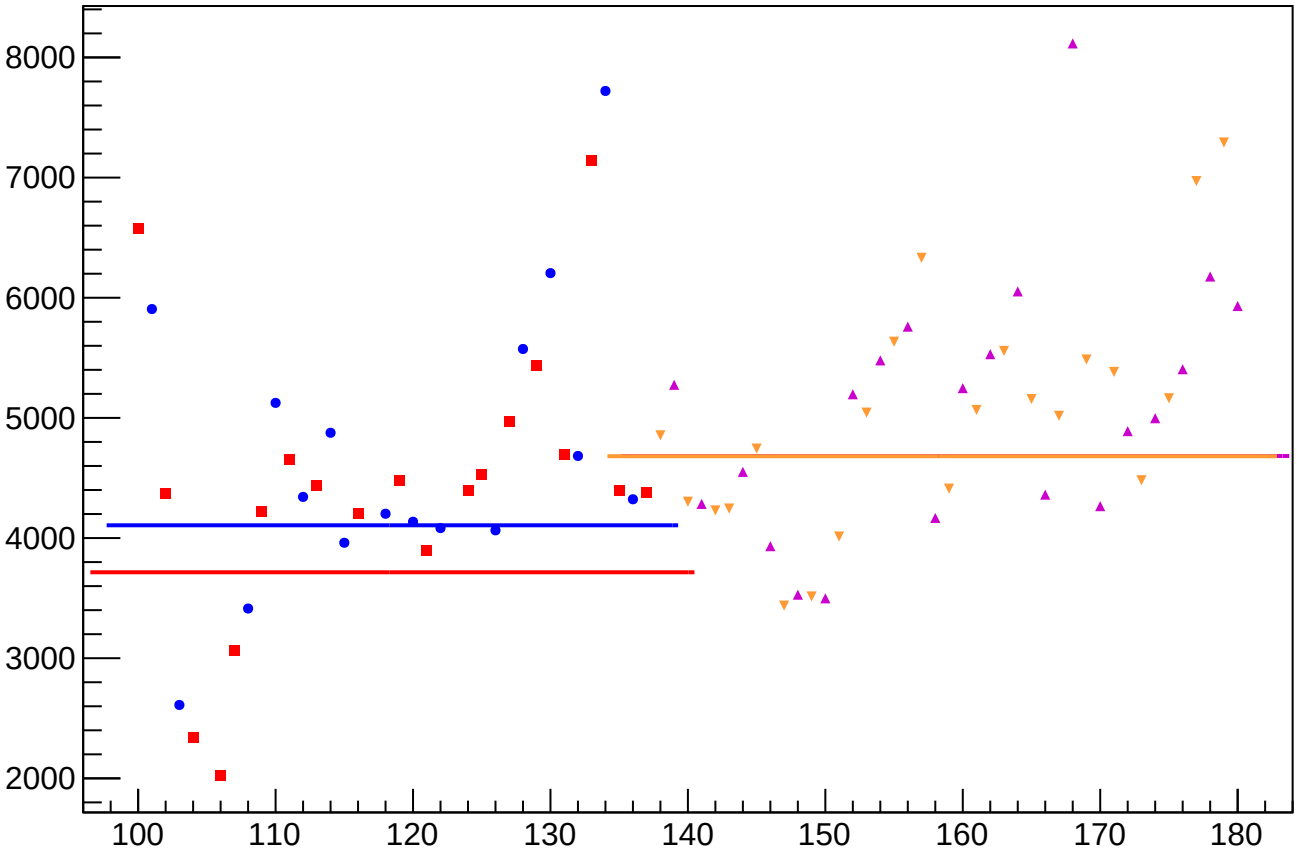
Left: 234.026+/-813.217 χ^2/NDF: 38.9/42

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -275.725+/-932.640 χ^2/NDF:27.8/36

Out: -21.588+/-899.874 χ^2/NDF:43.1/40

All: -144.114+/-647.581 χ^2/NDF: 71.0/77



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4682.850+/-0.816 χ^2/NDF:1278207.0/20

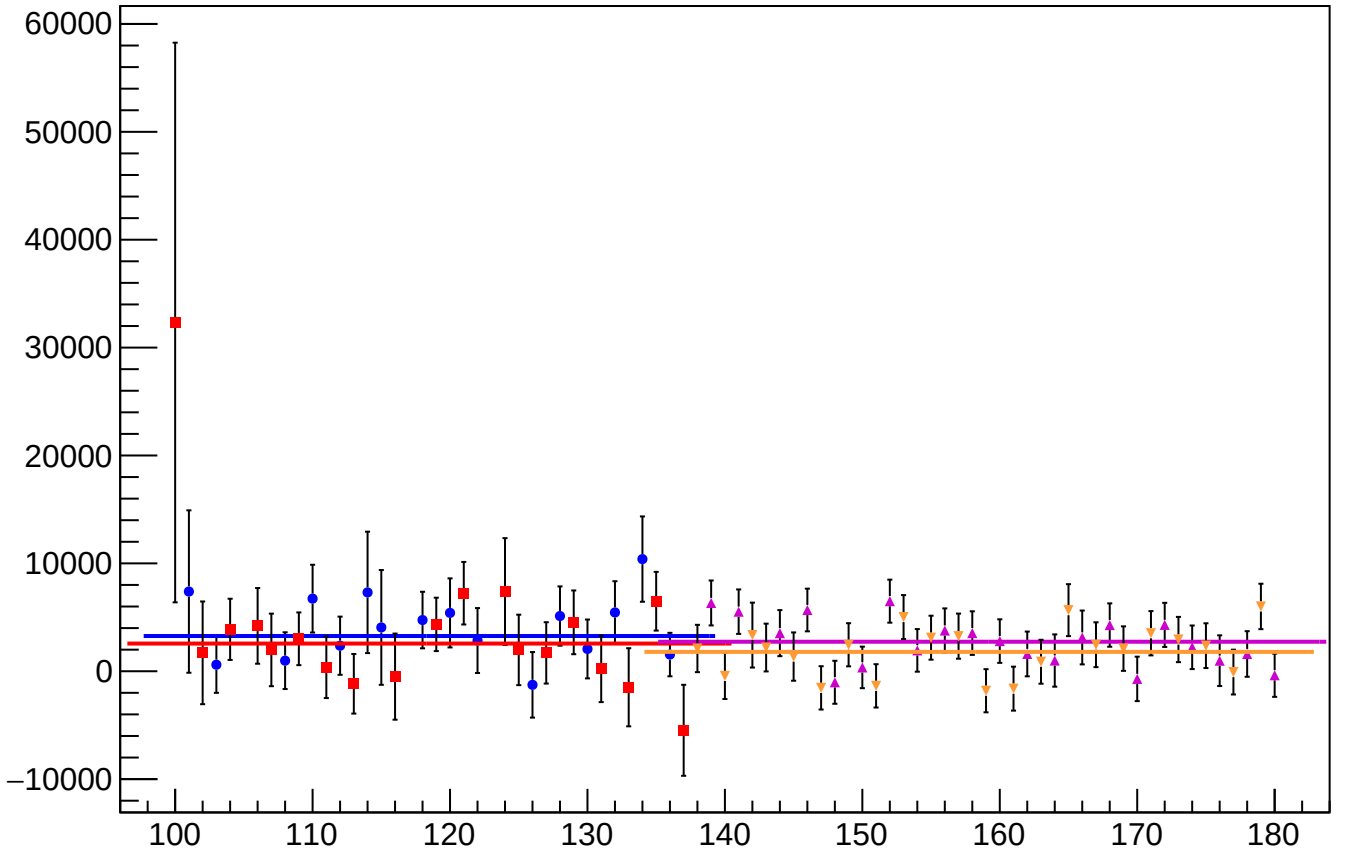
Left: 4681.958+/-0.575 χ^2/NDF: 2461852.4/42

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4483.315+/-0.659 χ^2/NDF:2406841.4/36

Out: 4309.856+/-0.636 χ^2/NDF:3063951.9/40

All: 4393.485+/-0.458 χ^2/NDF: 5506621.2/77



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.532+/-450.687 χ^2/NDF:25.0/21

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 2734.538+/-452.531 χ^2/NDF:24.5/20

Left: 2262.616+/-319.334 χ^2/NDF: 51.7/42

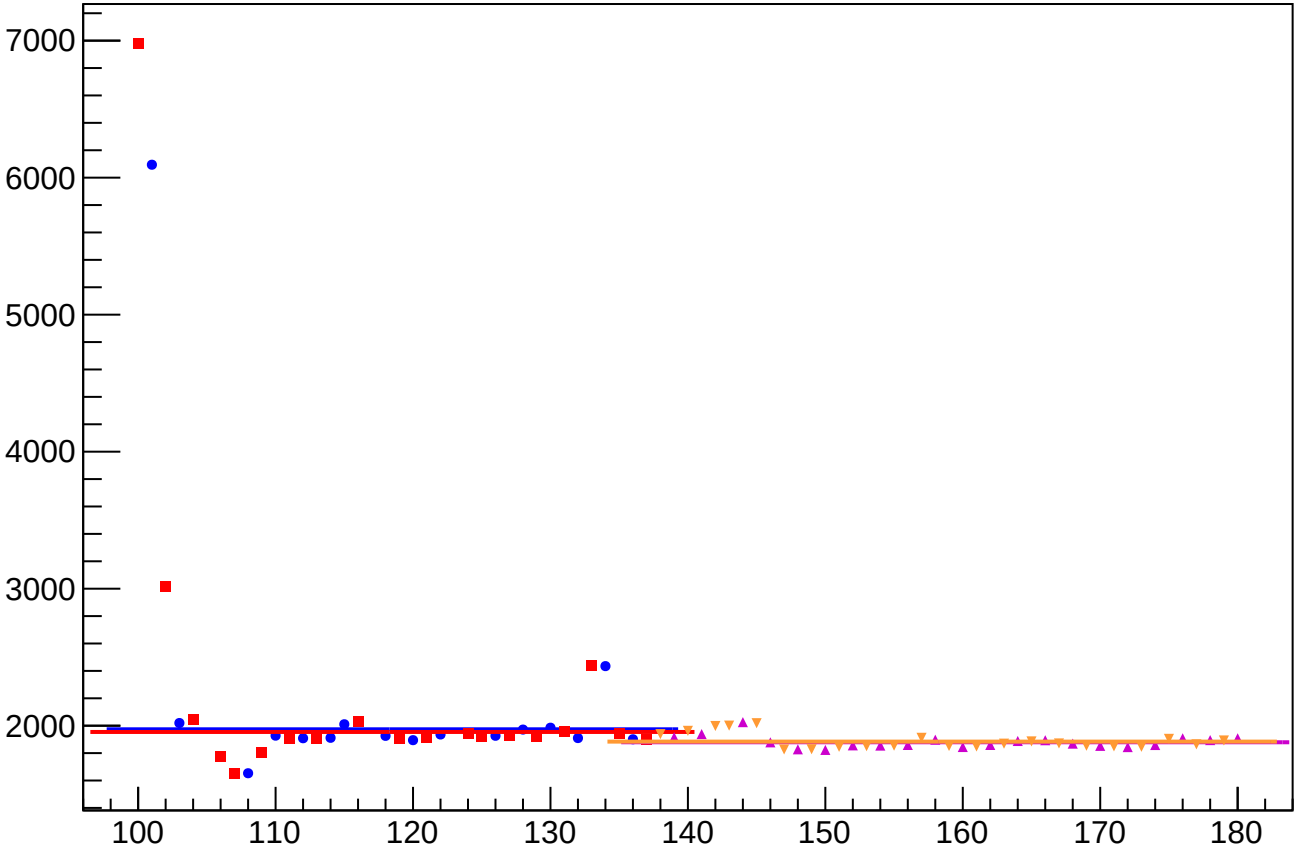
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 2875.781+/-387.583 χ^2/NDF:37.0/36

Out: 2005.574+/-384.191 χ^2/NDF:42.9/40

All: 2436.853+/-272.856 χ^2/NDF: 82.4/77

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.6/21

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

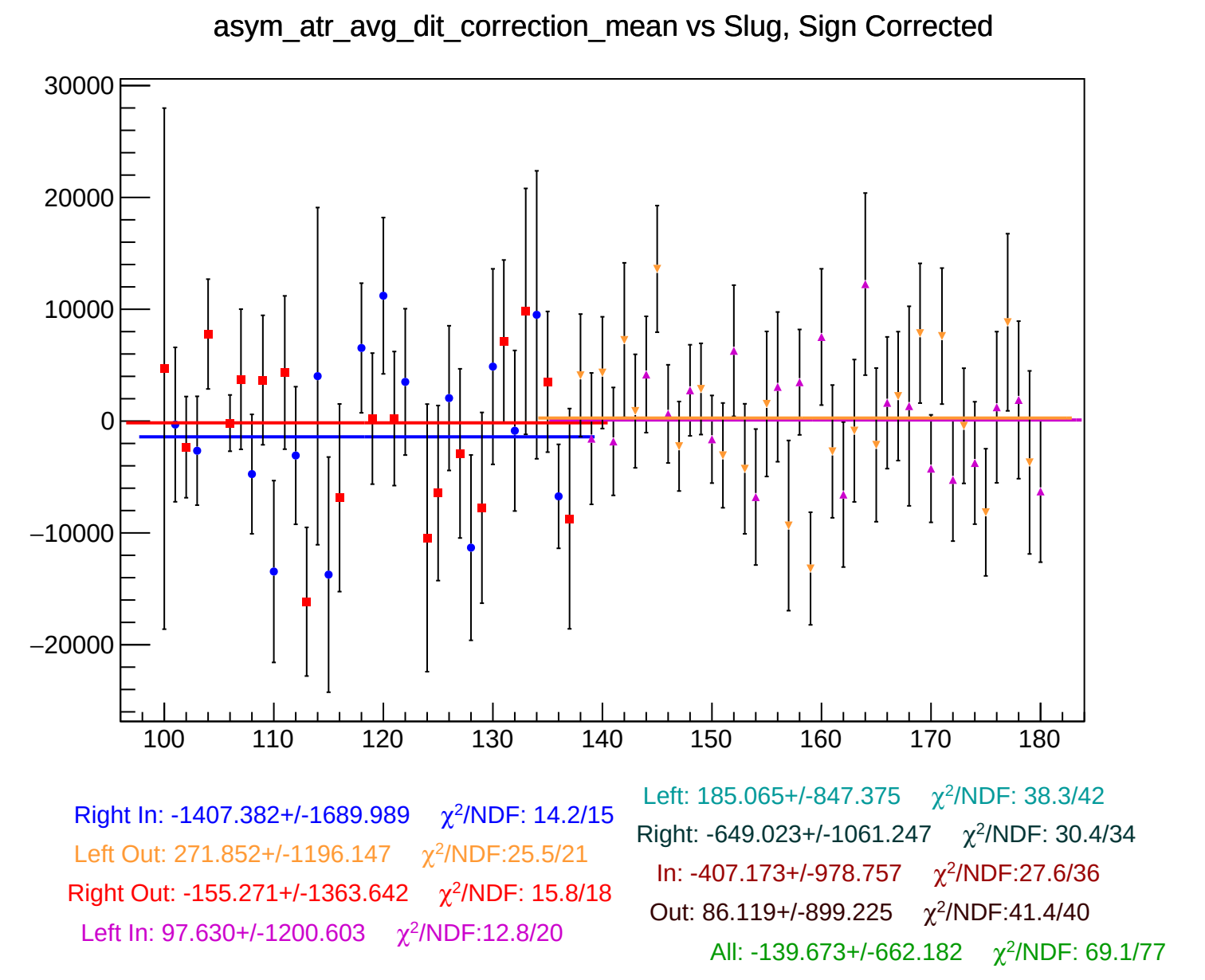
Left: 1881.535+/-0.226 χ^2/NDF: 46798.3/42

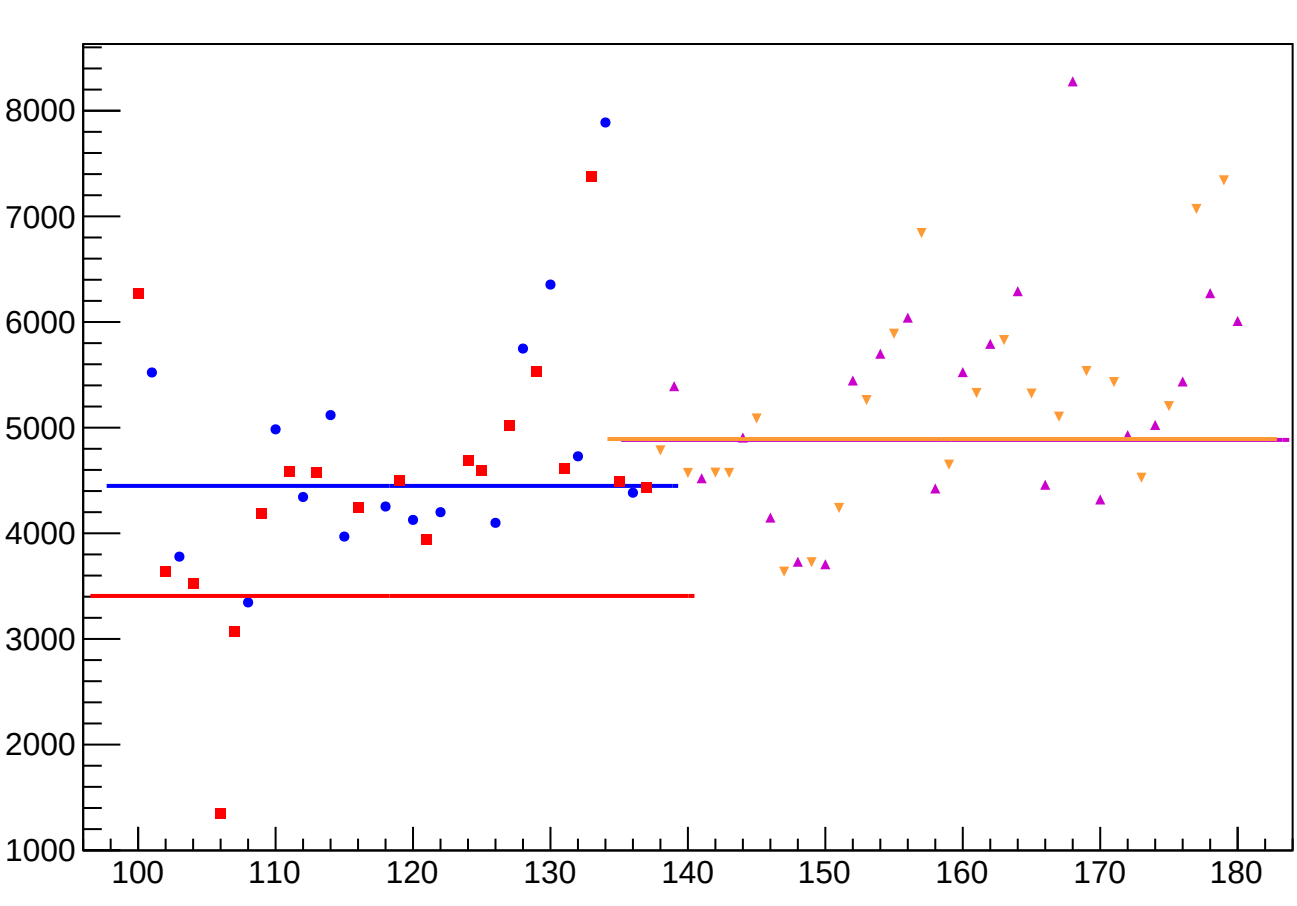
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.341+/-0.274 χ^2/NDF:706971.5/36

Out: 1903.190+/-0.272 χ^2/NDF:287708.7/40

All: 1903.760+/-0.193 χ^2/NDF: 994689.1/77


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 271.852+/-1196.147 χ²/NDF:25.5/21
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 97.630+/-1200.603 χ²/NDF:12.8/20
Left: 185.065+/-847.375 χ²/NDF: 38.3/42
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -407.173+/-978.757 χ²/NDF:27.6/36
Out: 86.119+/-899.225 χ²/NDF:41.4/40
All: -139.673+/-662.182 χ²/NDF: 69.1/77



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4892.562+/-0.846 χ^2/NDF:1061785.5/21

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4884.006+/-0.849 χ^2/NDF:1160659.5/20

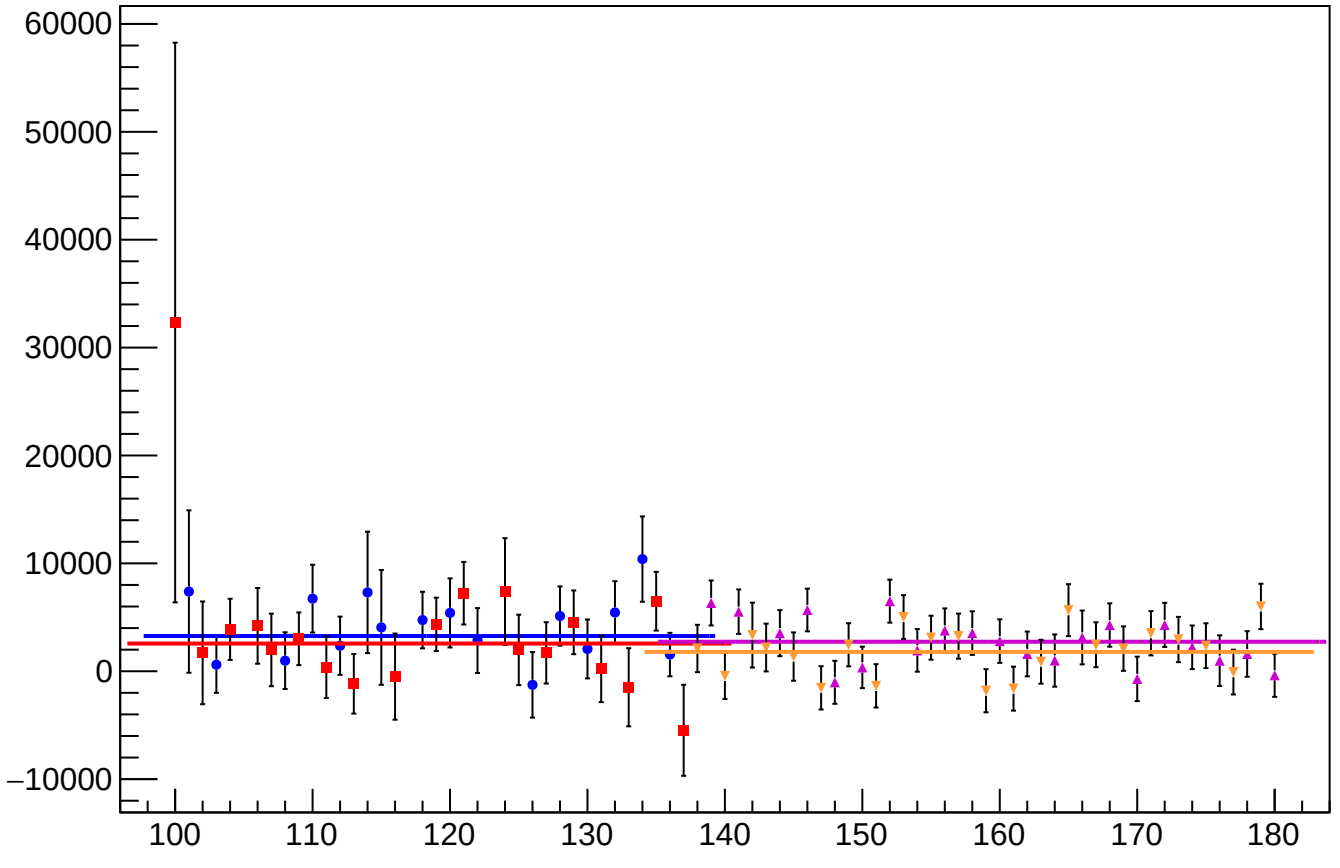
Left: 4888.300+/-0.599 χ^2/NDF: 2222495.9/42

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4738.002+/-0.692 χ^2/NDF:1743455.2/36

Out: 4246.627+/-0.636 χ^2/NDF:4729075.3/40

All: 4471.542+/-0.468 χ^2/NDF: 6745883.8/77



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.527+/-450.687 χ^2/NDF:25.0/21

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2734.538+/-452.531 χ^2/NDF:24.5/20

Left: 2262.613+/-319.334 χ^2/NDF: 51.7/42

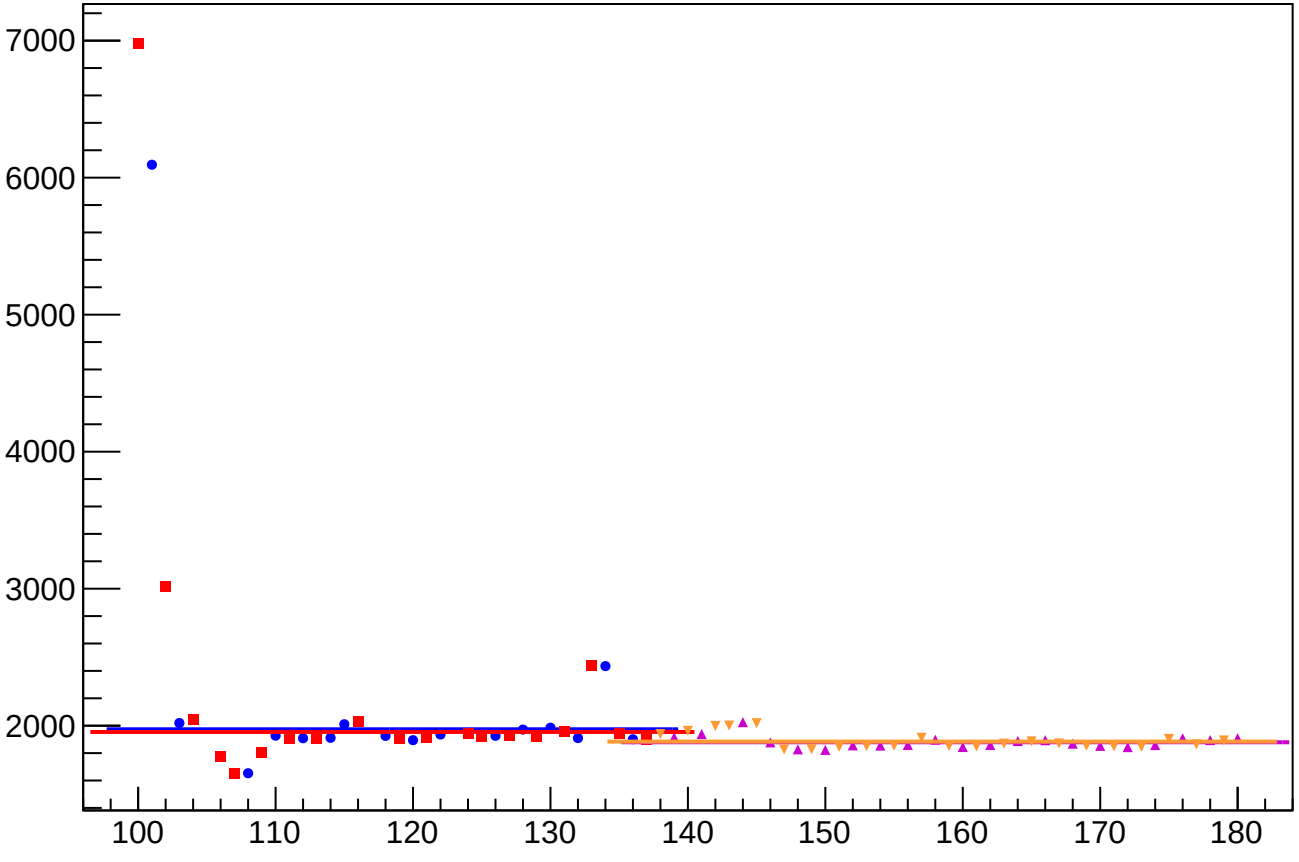
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 2875.782+/-387.583 χ^2/NDF:37.0/36

Out: 2005.573+/-384.191 χ^2/NDF:42.9/40

All: 2436.853+/-272.856 χ^2/NDF: 82.4/77

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.7/21

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1879.131+/-0.320 χ^2/NDF:18551.3/20

Left: 1881.535+/-0.226 χ^2/NDF: 46798.4/42

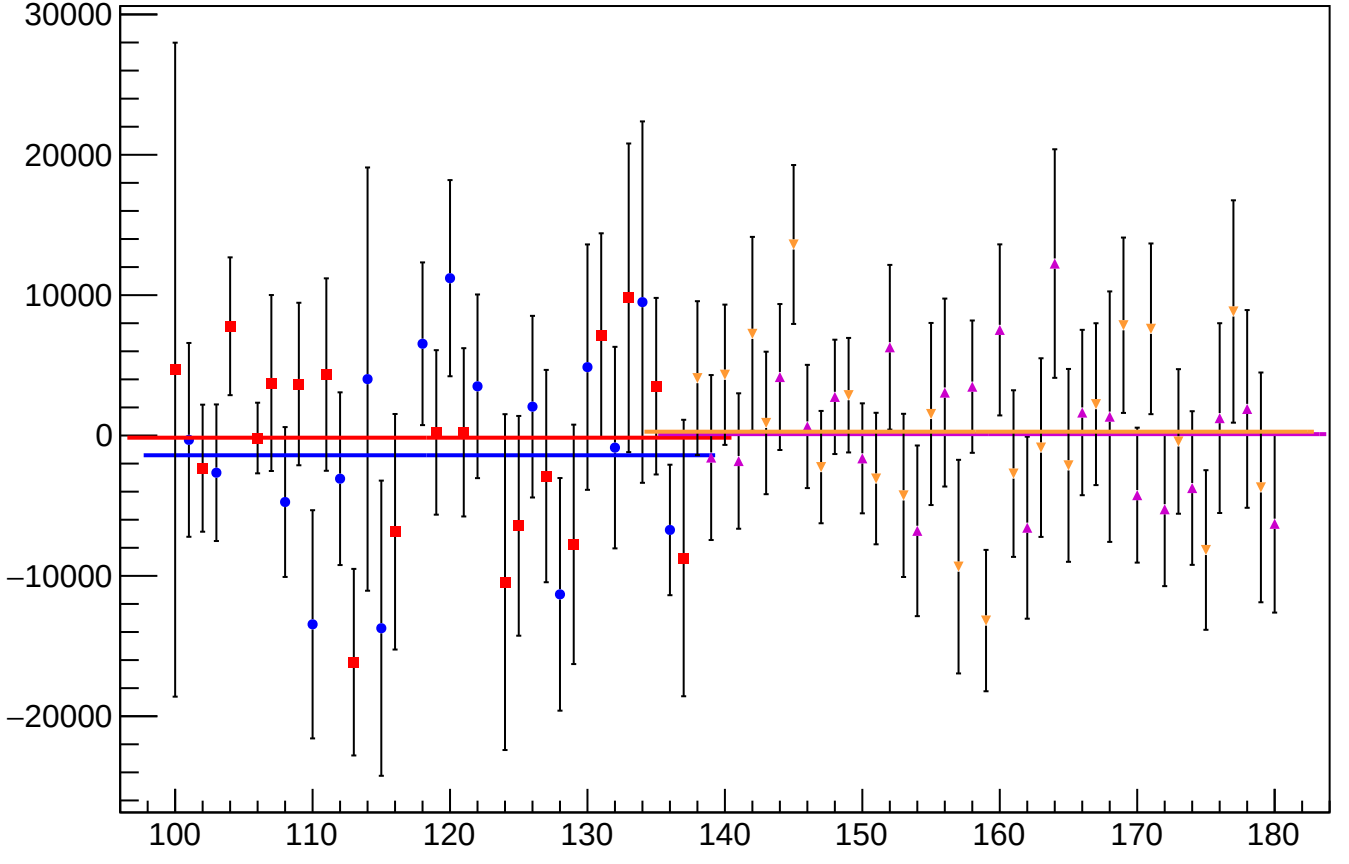
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.341+/-0.274 χ^2/NDF:706970.9/36

Out: 1903.191+/-0.272 χ^2/NDF:287707.9/40

All: 1903.761+/-0.193 χ^2/NDF: 994687.7/77

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 271.850+/-1196.149 χ^2/NDF:25.5/21

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 97.629+/-1200.605 χ^2/NDF:12.8/20

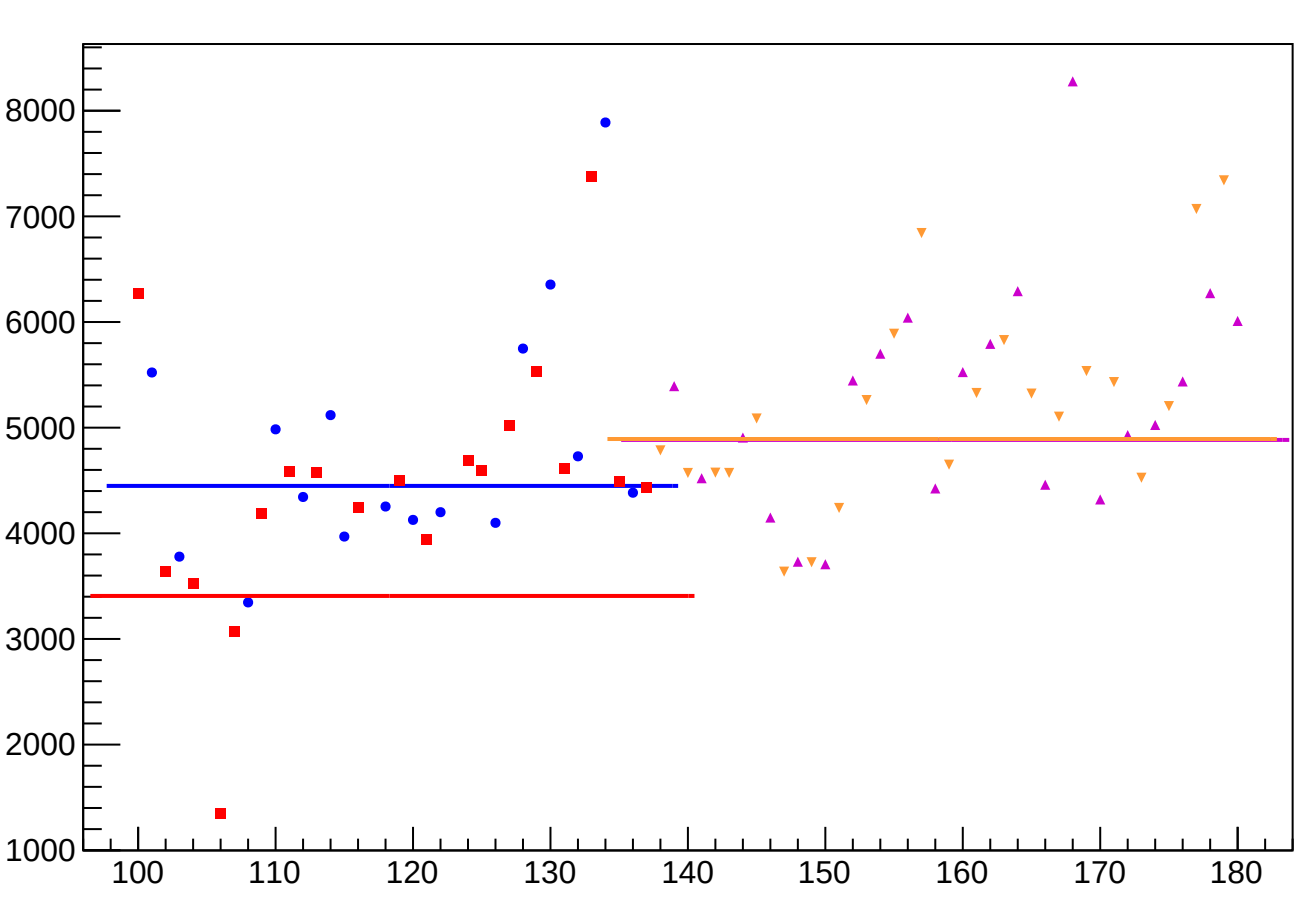
Left: 185.063+/-847.376 χ^2/NDF: 38.3/42

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -407.169+/-978.757 χ^2/NDF:27.6/36

Out: 86.117+/-899.225 χ^2/NDF:41.4/40

All: -139.673+/-662.183 χ^2/NDF: 69.1/77



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4892.570+/-0.846 χ^2/NDF:1061786.9/21

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4884.014+/-0.849 χ^2/NDF:1160661.7/20

Left: 4888.308+/-0.599 χ^2/NDF: 2222499.6/42

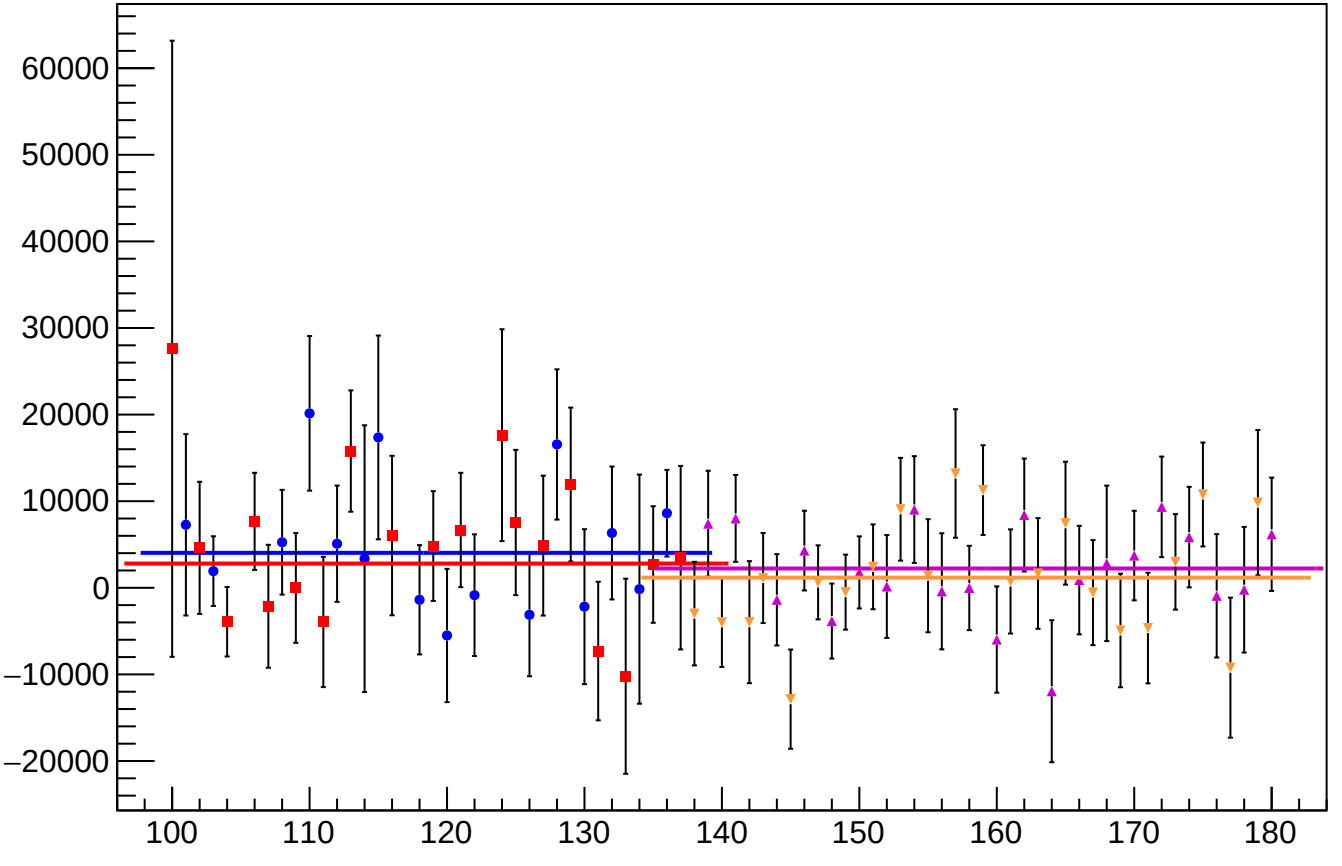
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4738.004+/-0.692 χ^2/NDF:1743460.7/36

Out: 4246.625+/-0.636 χ^2/NDF:4729110.9/40

All: 4471.542+/-0.468 χ^2/NDF: 6745929.0/77

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 1170.911+/-1242.751 χ^2/NDF:24.4/21

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2230.126+/-1248.380 χ^2/NDF:14.8/20

Left: 1698.125+/-880.741 χ^2/NDF: 39.6/42

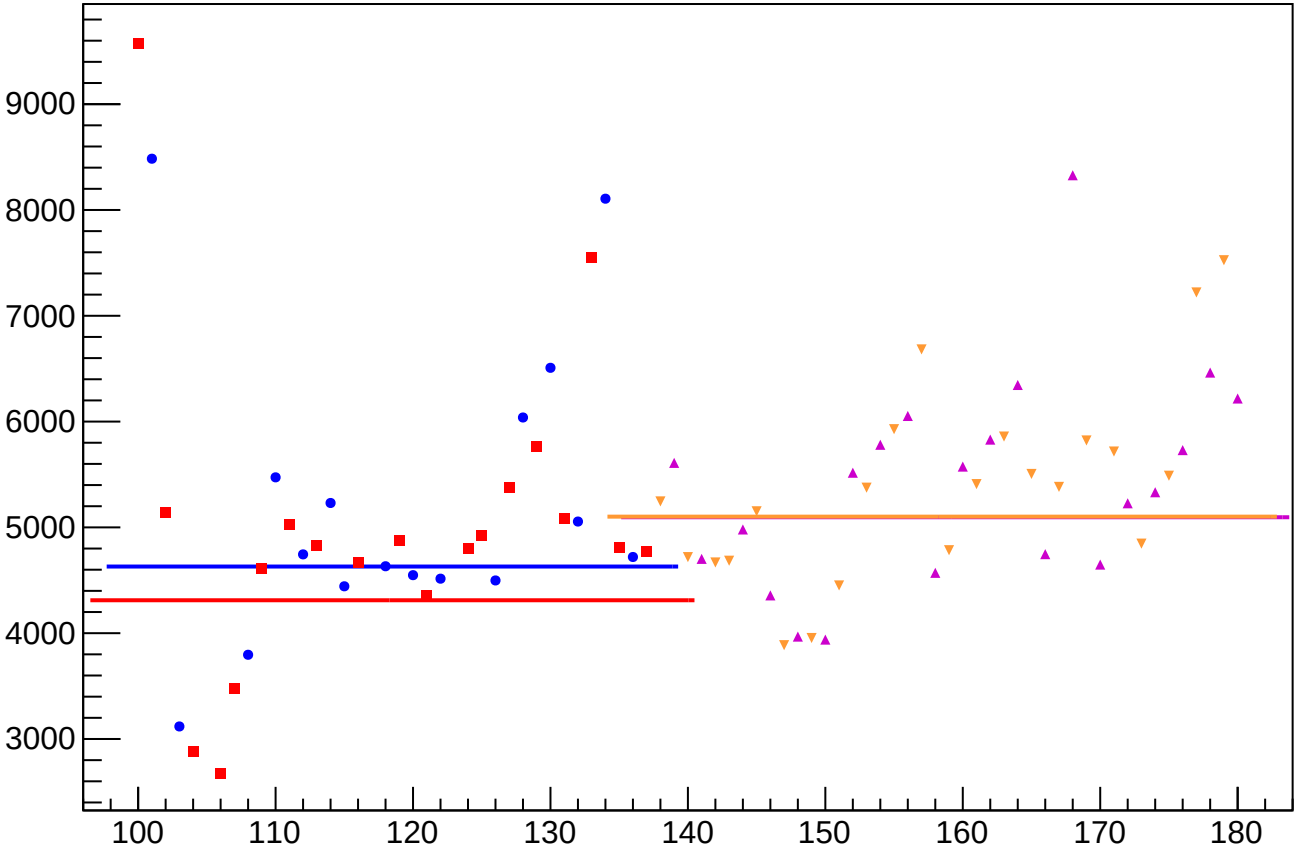
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2824.147+/-1022.454 χ^2/NDF:27.8/36

Out: 1750.886+/-997.387 χ^2/NDF:40.5/40

All: 2274.199+/-713.957 χ^2/NDF: 68.8/77

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5101.510+/-0.879 χ^2/NDF:908215.5/21

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5095.792+/-0.883 χ^2/NDF:982566.7/20

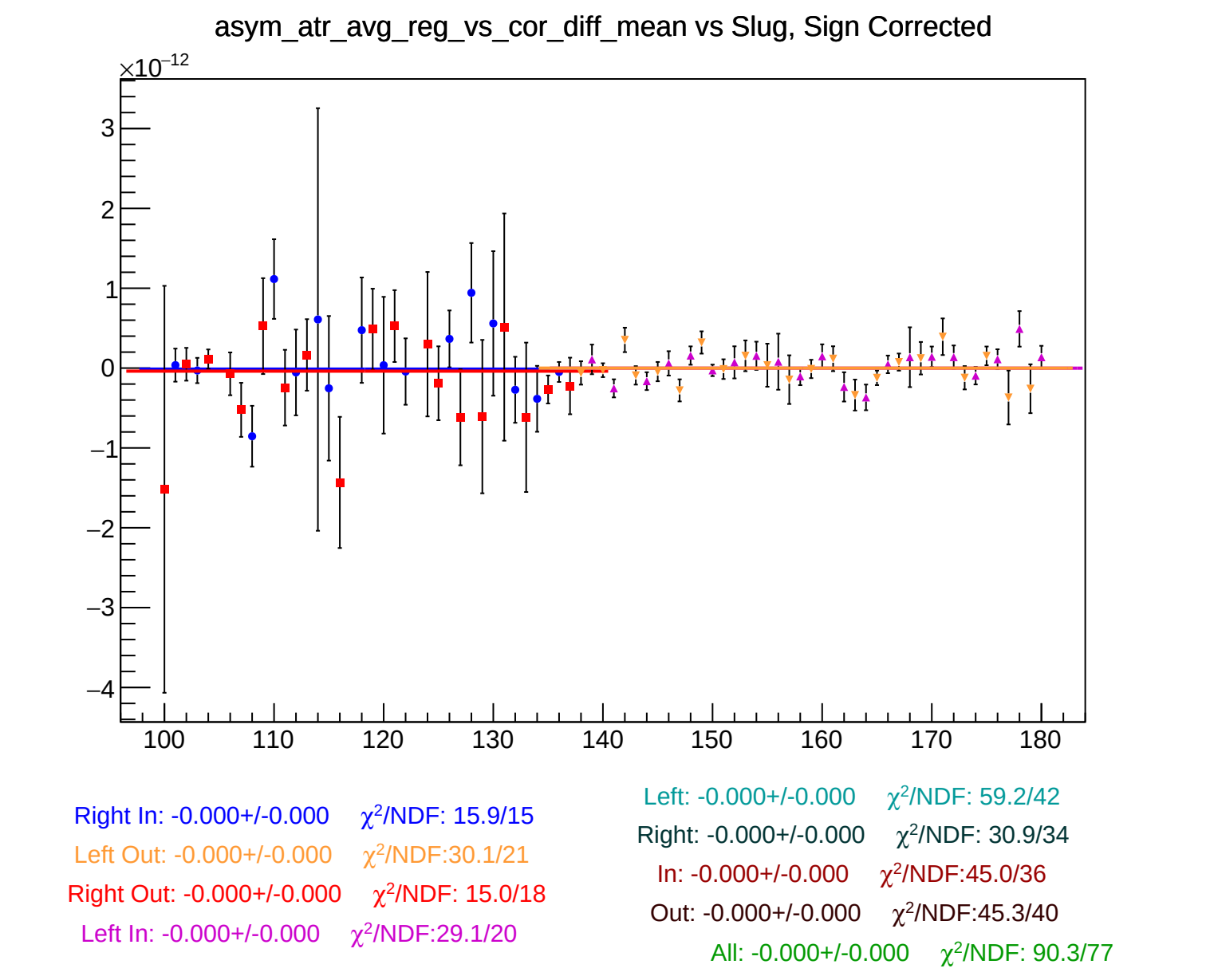
Left: 5098.664+/-0.623 χ^2/NDF: 1890803.3/42

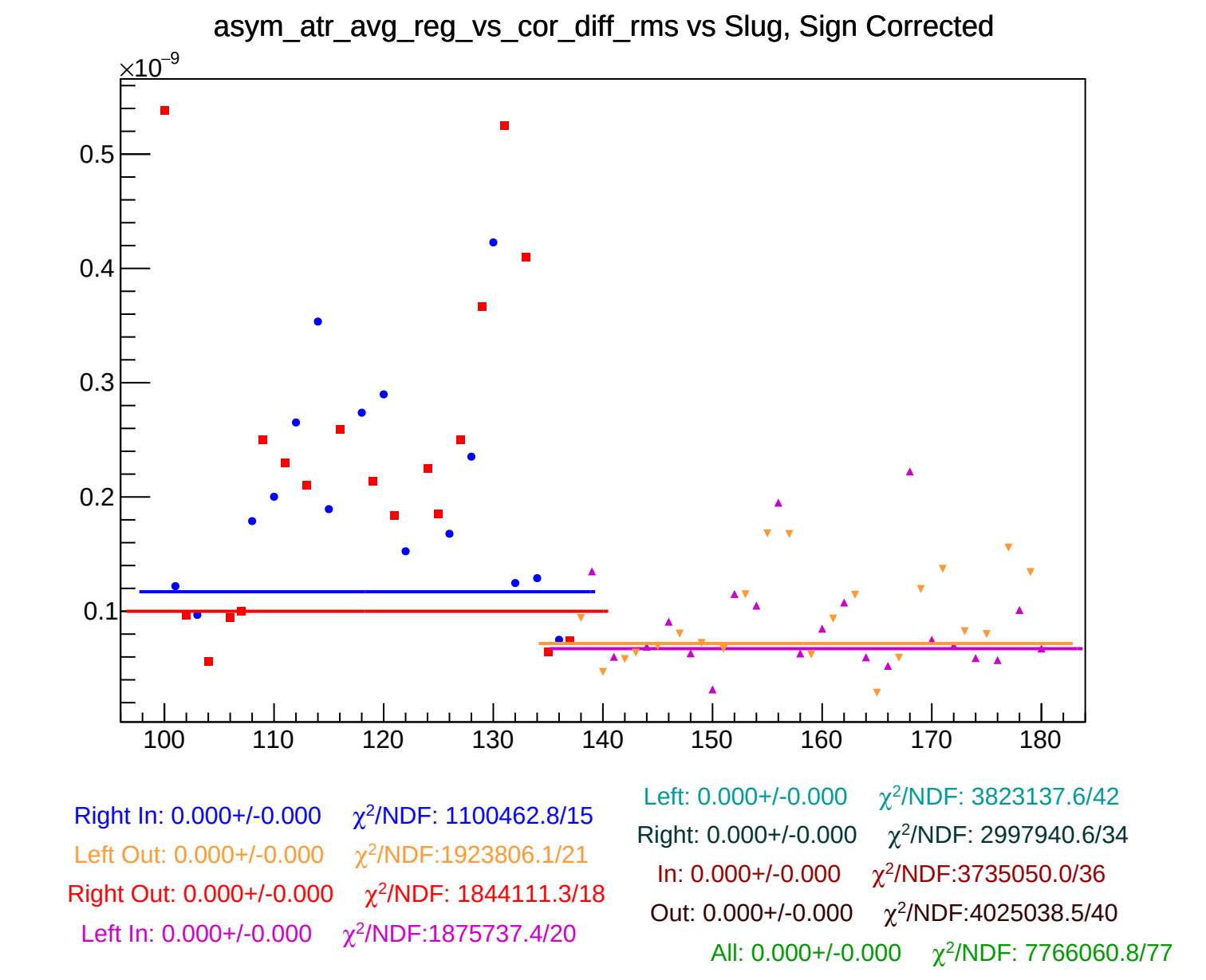
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

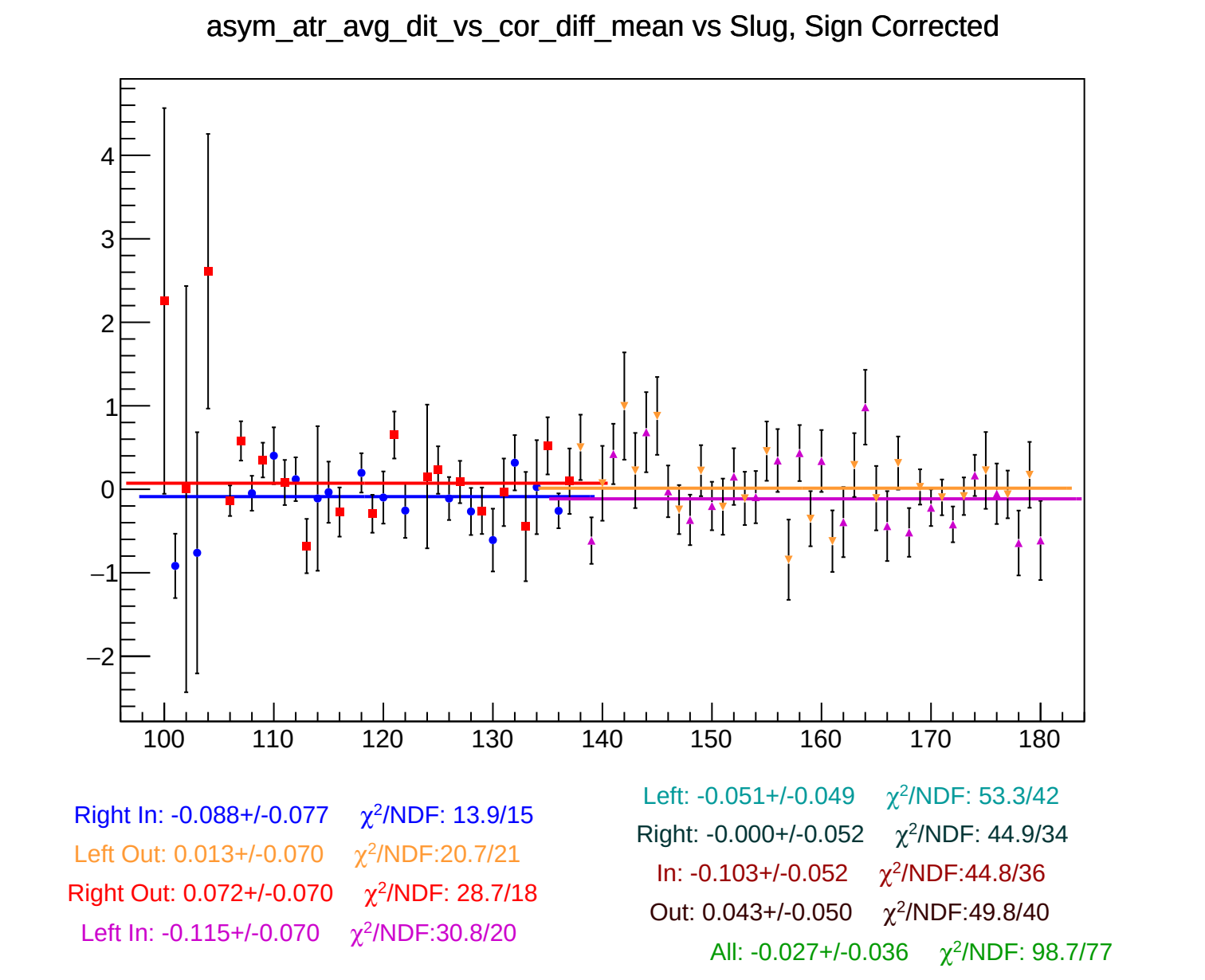
In: 4942.443+/-0.723 χ^2/NDF:1974485.5/36

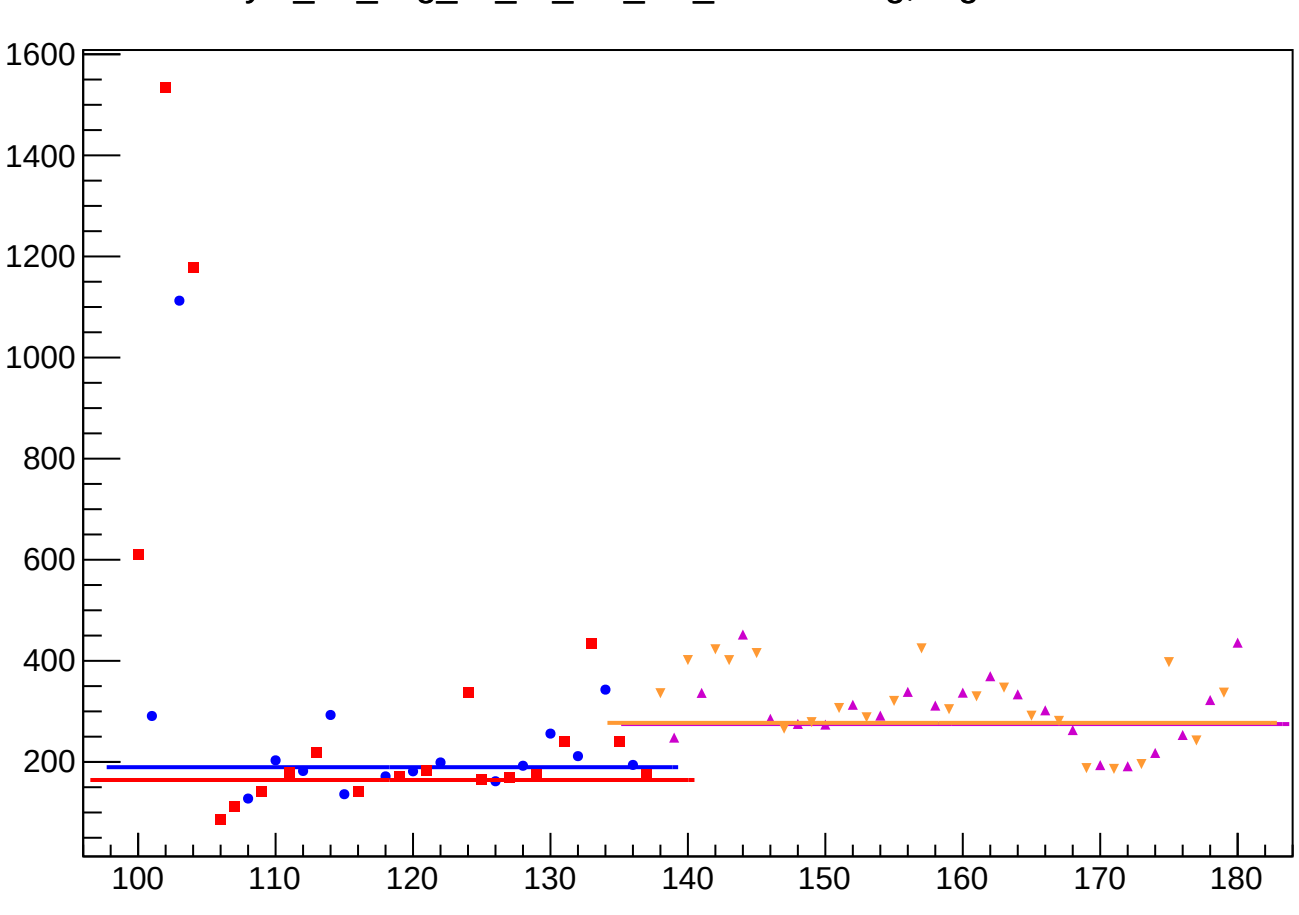
Out: 4817.095+/-0.703 χ^2/NDF:2104025.4/40

All: 4878.019+/-0.504 χ^2/NDF: 4093960.3/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:30.1/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:29.1/20
Left: -0.000+/-0.000 χ²/NDF: 59.2/42
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:45.0/36
Out: -0.000+/-0.000 χ²/NDF:45.3/40
All: -0.000+/-0.000 χ²/NDF: 90.3/77


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1923806.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1875737.4/20
Left: 0.000+/-0.000 χ²/NDF: 3823137.6/42
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3735050.0/36
Out: 0.000+/-0.000 χ²/NDF:4025038.5/40
All: 0.000+/-0.000 χ²/NDF: 7766060.8/77


asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.013+/-0.070 χ²/NDF:20.7/21
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.115+/-0.070 χ²/NDF:30.8/20
Left: -0.051+/-0.049 χ²/NDF: 53.3/42
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.103+/-0.052 χ²/NDF:44.8/36
Out: 0.043+/-0.050 χ²/NDF:49.8/40
All: -0.027+/-0.036 χ²/NDF: 98.7/77



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

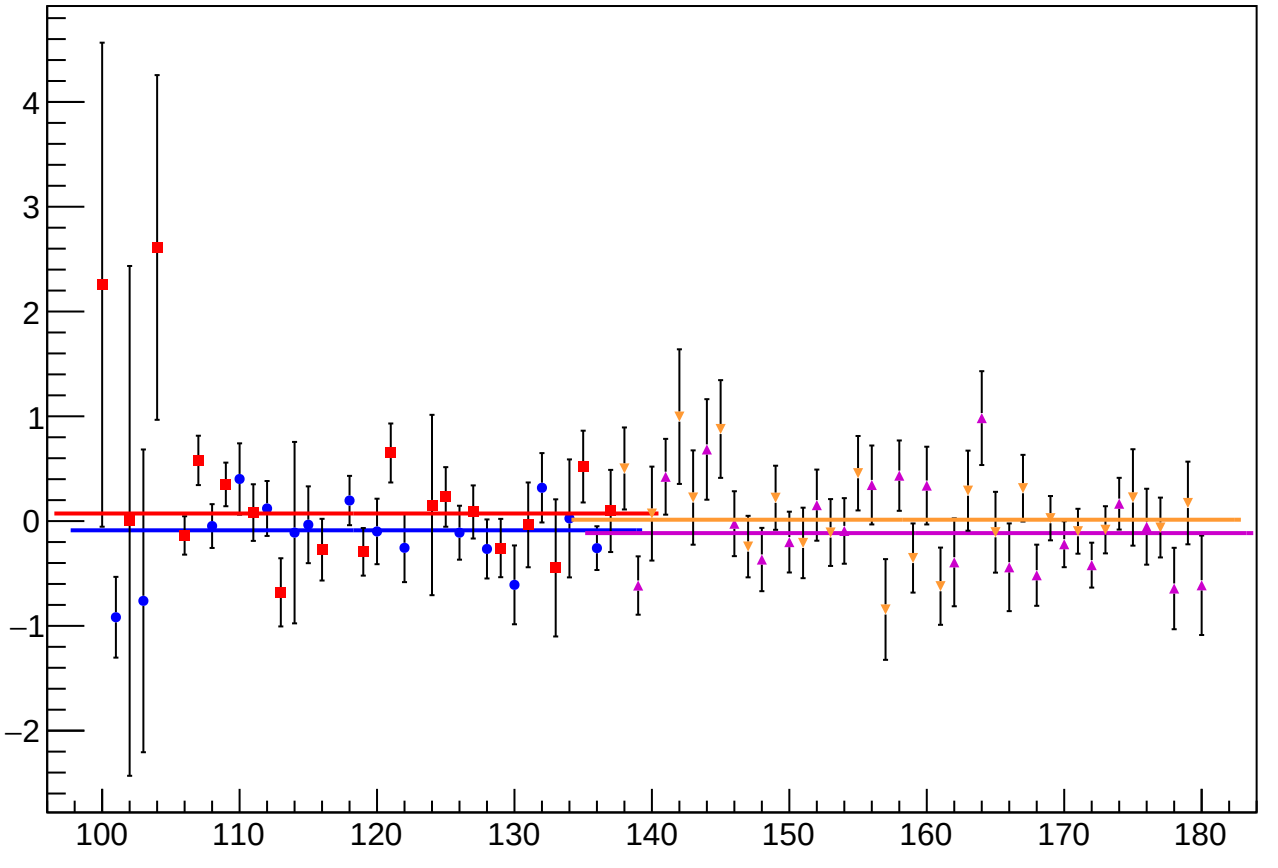
Left: 276.115+/-0.035 χ^2/NDF: 3805927.0/42

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 236.402+/-0.036 χ^2/NDF:4439213.7/36

Out: 220.801+/-0.035 χ^2/NDF:7434670.7/40

All: 228.280+/-0.025 χ^2/NDF: 11969095.7/77



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.115+/-0.070 χ^2/NDF:30.8/20

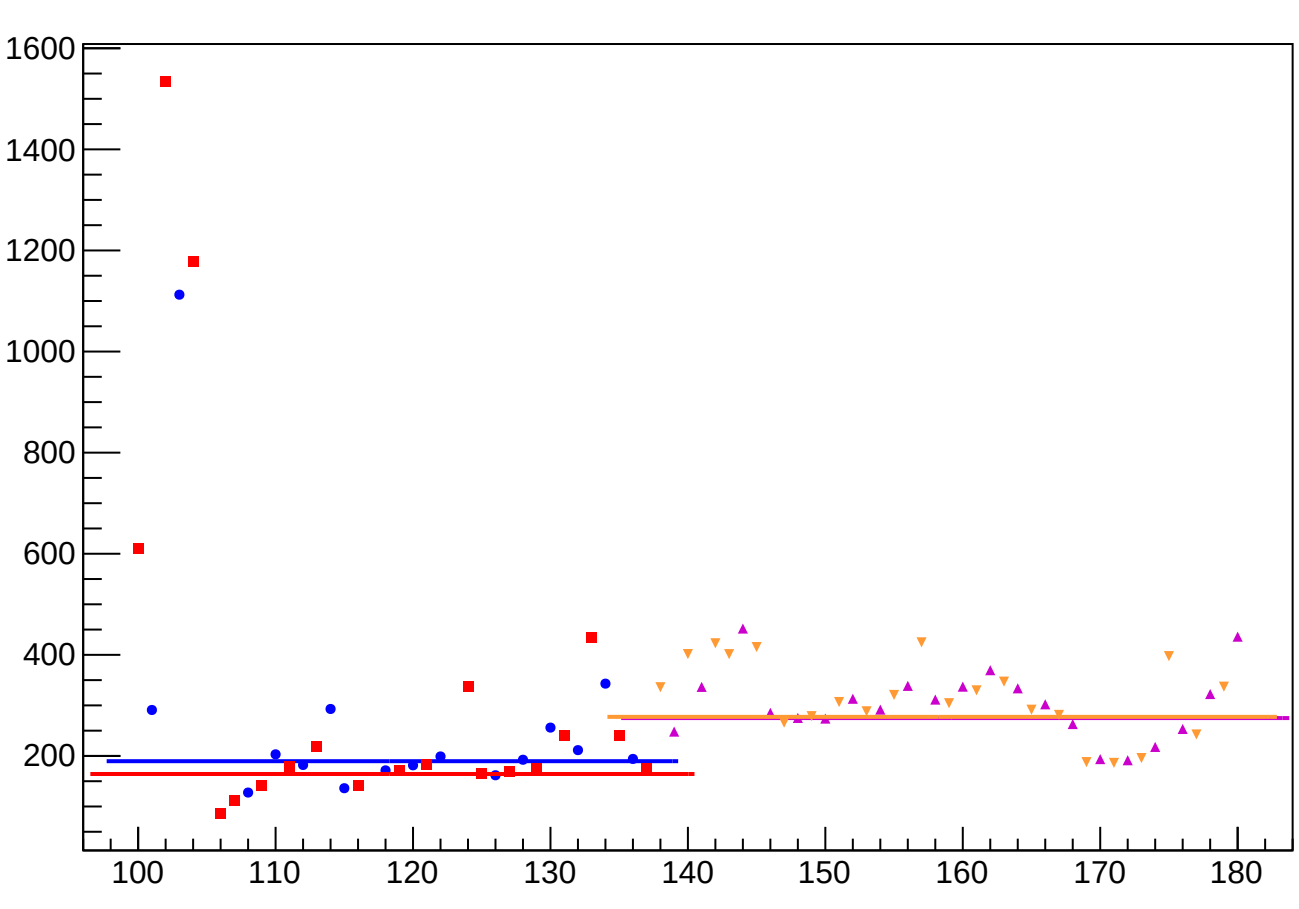
Left: -0.051+/-0.049 χ^2/NDF: 53.3/42

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.052 χ^2/NDF:44.8/36

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.027+/-0.036 χ^2/NDF: 98.7/77



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 274.926+/-0.049 χ^2/NDF:1619781.3/20

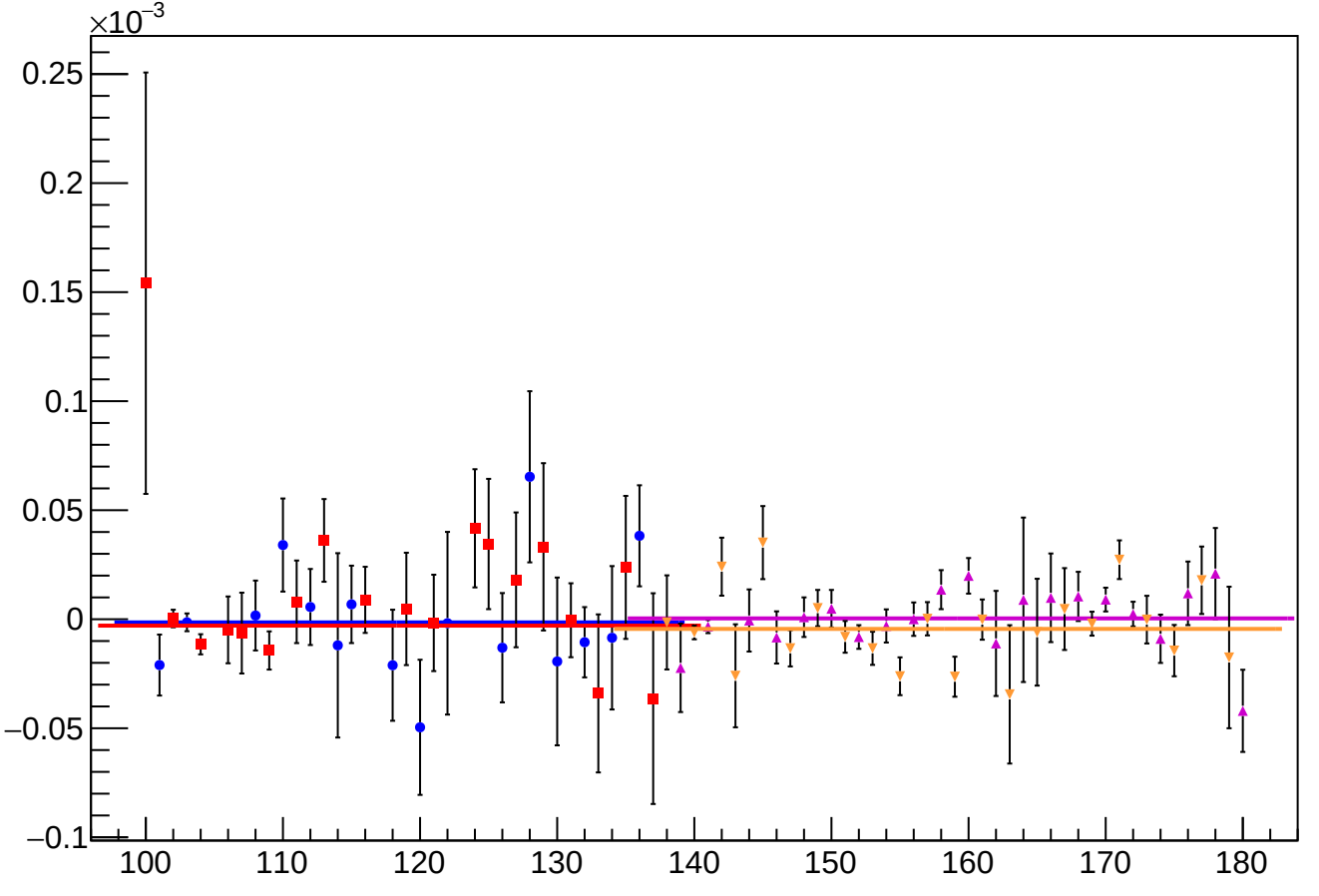
Left: 276.115+/-0.035 χ^2/NDF: 3805927.0/42

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 236.402+/-0.036 χ^2/NDF:4439213.7/36

Out: 220.801+/-0.035 χ^2/NDF:7434670.7/40

All: 228.280+/-0.025 χ^2/NDF: 11969095.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.4/20

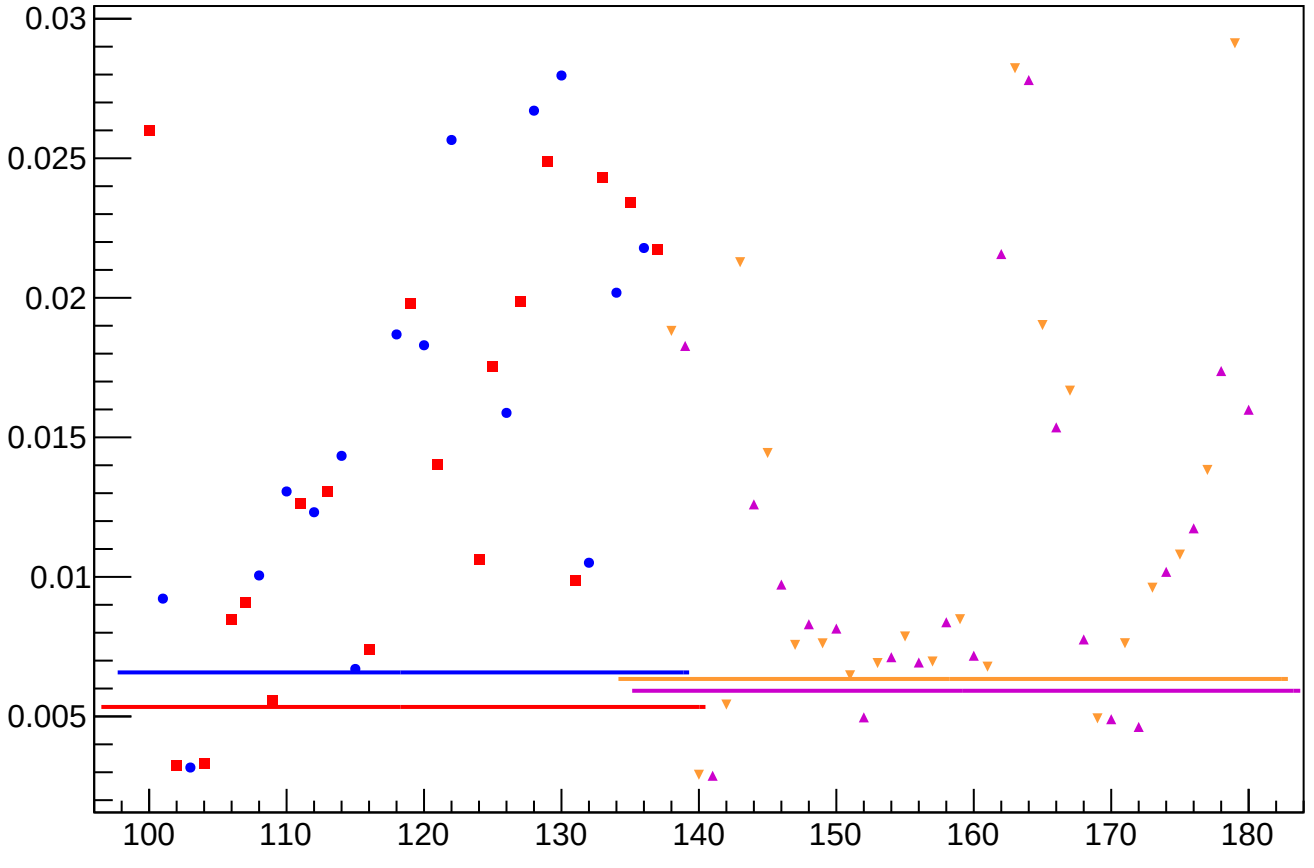
Left: -0.000+/-0.000 χ^2/NDF: 74.2/42

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:40.5/36

Out: -0.000+/-0.000 χ^2/NDF:66.7/40

All: -0.000+/-0.000 χ^2/NDF: 110.5/77



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8760932.2/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:7945791.6/20

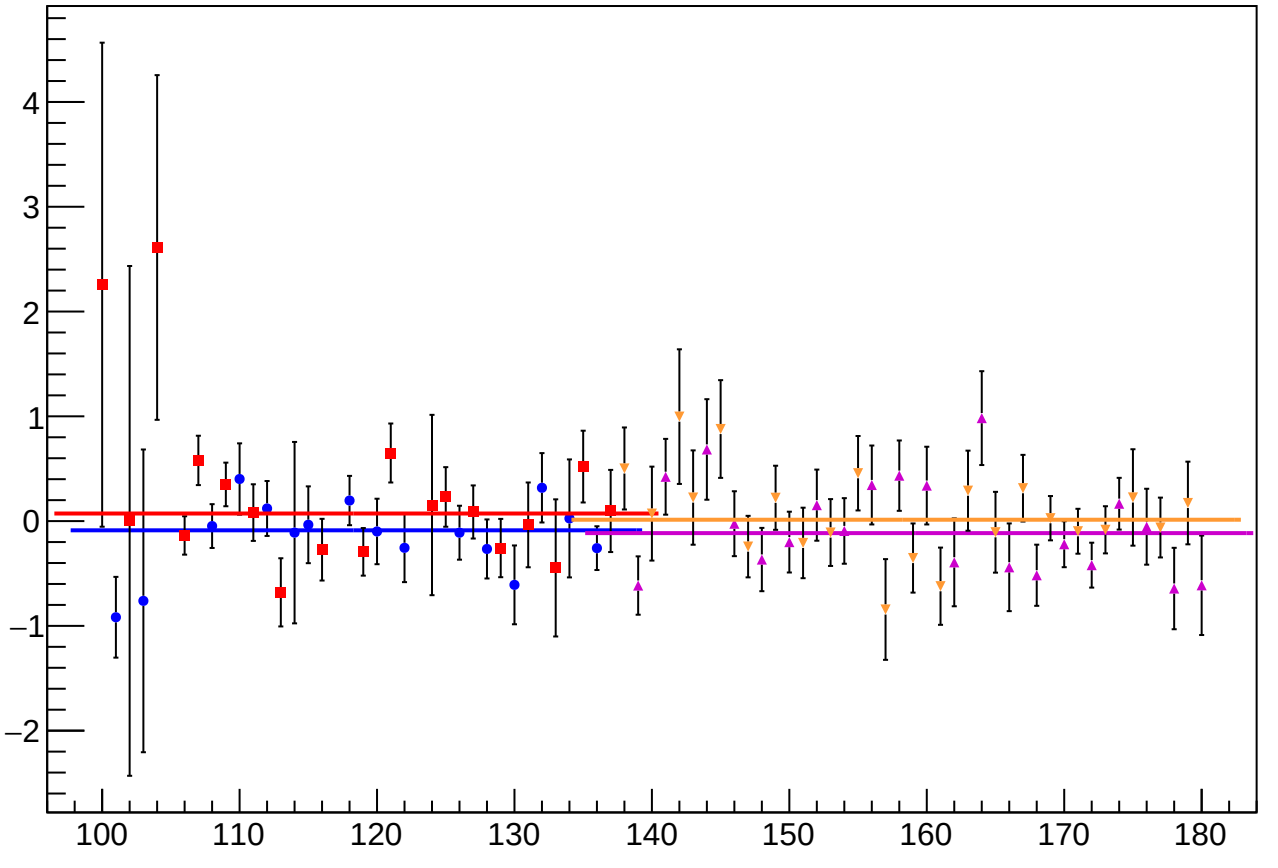
Left: 0.006+/-0.000 χ^2/NDF: 16764134.6/42

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:13935874.5/36

Out: 0.006+/-0.000 χ^2/NDF:14650851.7/40

All: 0.006+/-0.000 χ^2/NDF: 28587864.1/77



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.115+/-0.070 χ^2/NDF:30.8/20

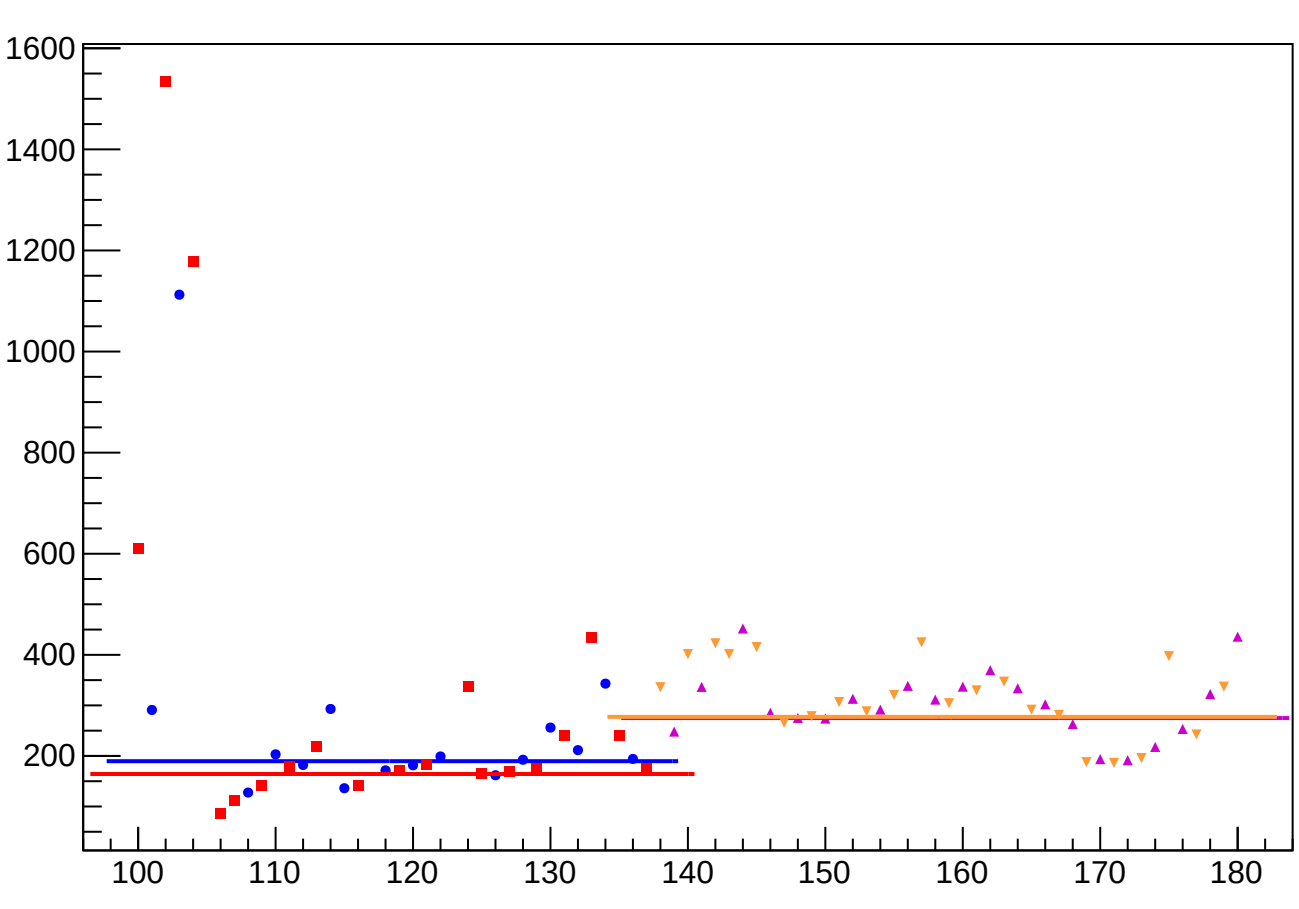
Left: -0.051+/-0.049 χ^2/NDF: 53.3/42

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.052 χ^2/NDF:44.8/36

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.027+/-0.036 χ^2/NDF: 98.7/77



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.317+/-0.050 χ^2/NDF:2185048.4/21

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

Left: 276.117+/-0.035 χ^2/NDF: 3806048.5/42

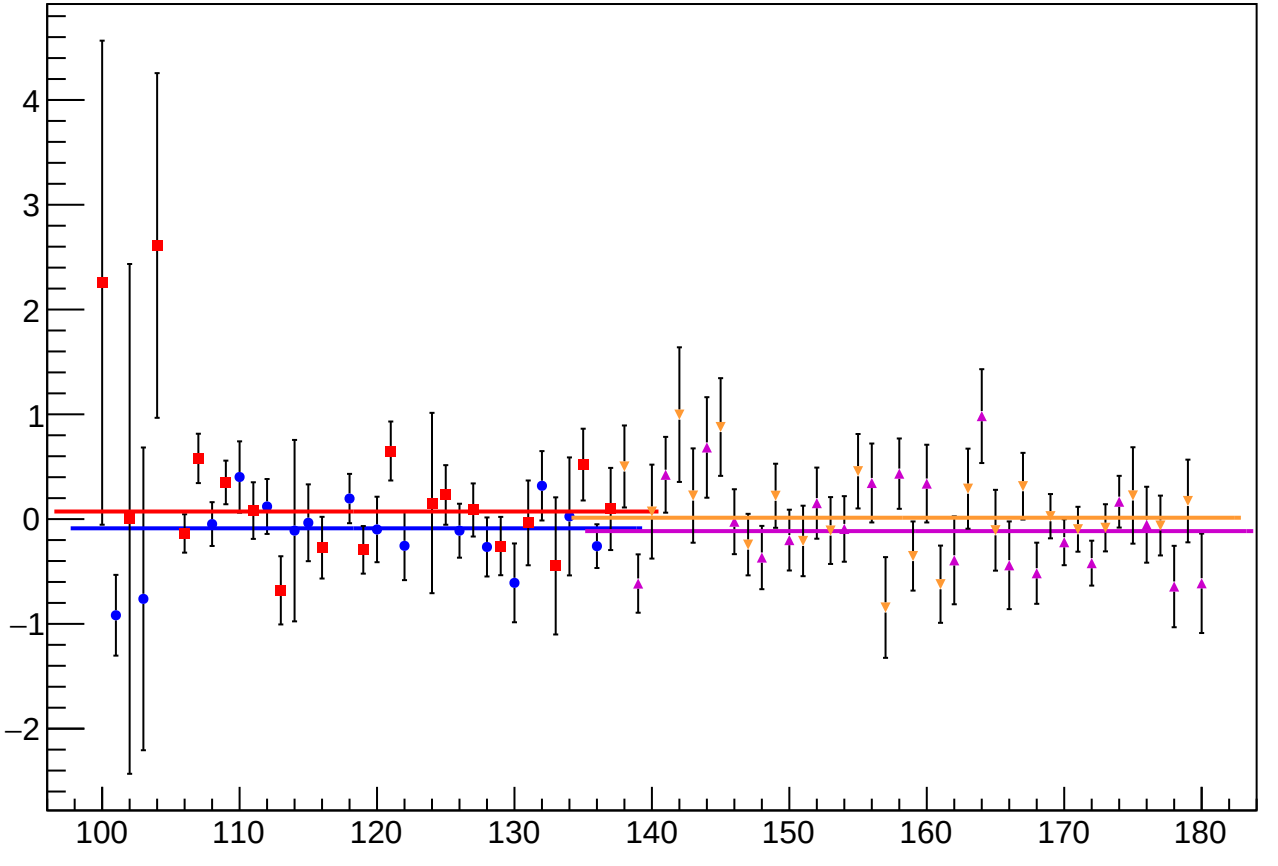
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 236.403+/-0.036 χ^2/NDF:4439347.6/36

Out: 220.801+/-0.035 χ^2/NDF:7434854.9/40

All: 228.281+/-0.025 χ^2/NDF: 11969419.4/77

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: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.115+/-0.070 χ^2/NDF:30.8/20

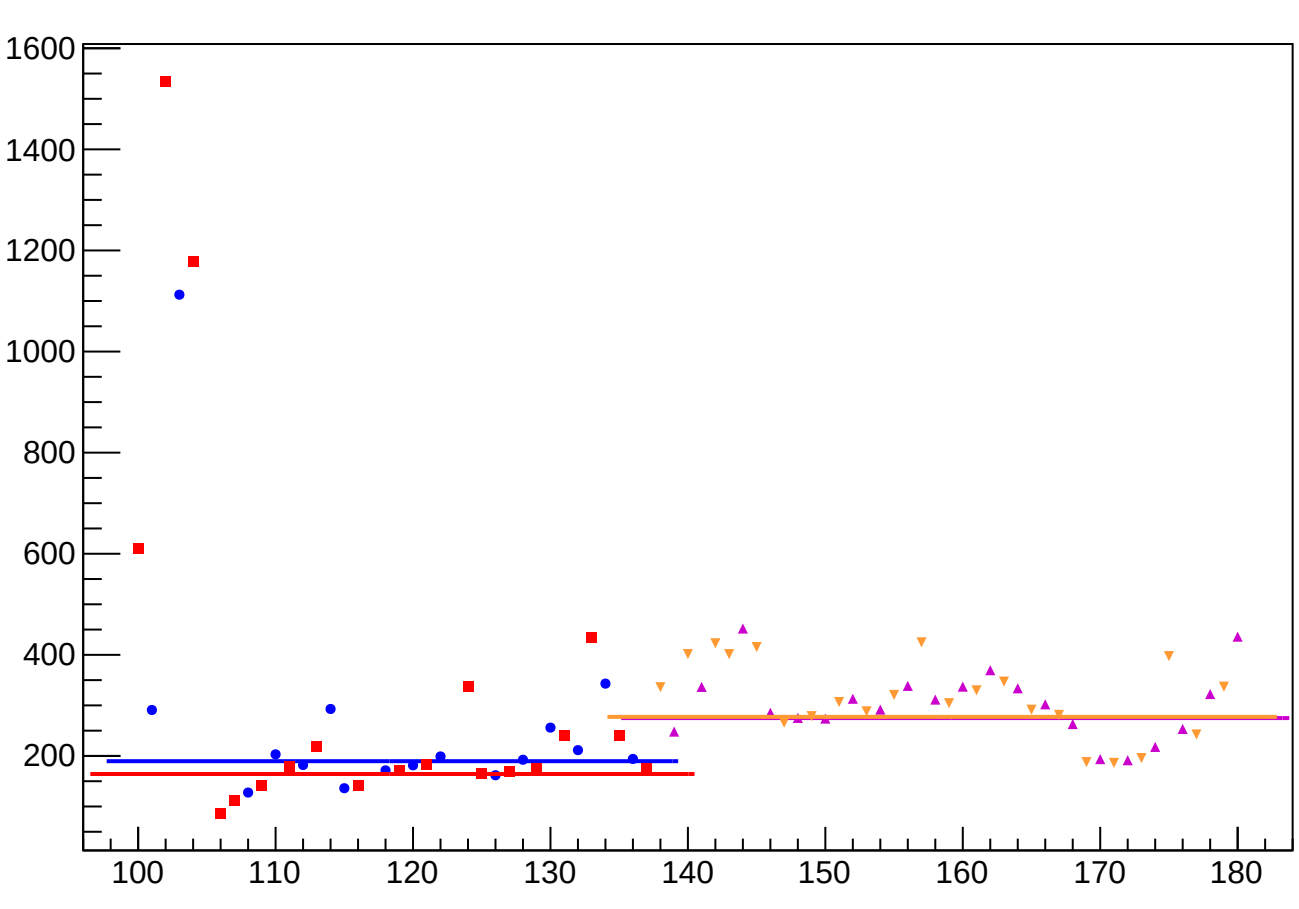
Left: -0.051+/-0.049 χ^2/NDF: 53.3/42

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.052 χ^2/NDF:44.8/36

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.027+/-0.036 χ^2/NDF: 98.7/77



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.317+/-0.050 χ^2/NDF:2185048.4/21

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 274.928+/-0.049 χ^2/NDF:1619830.2/20

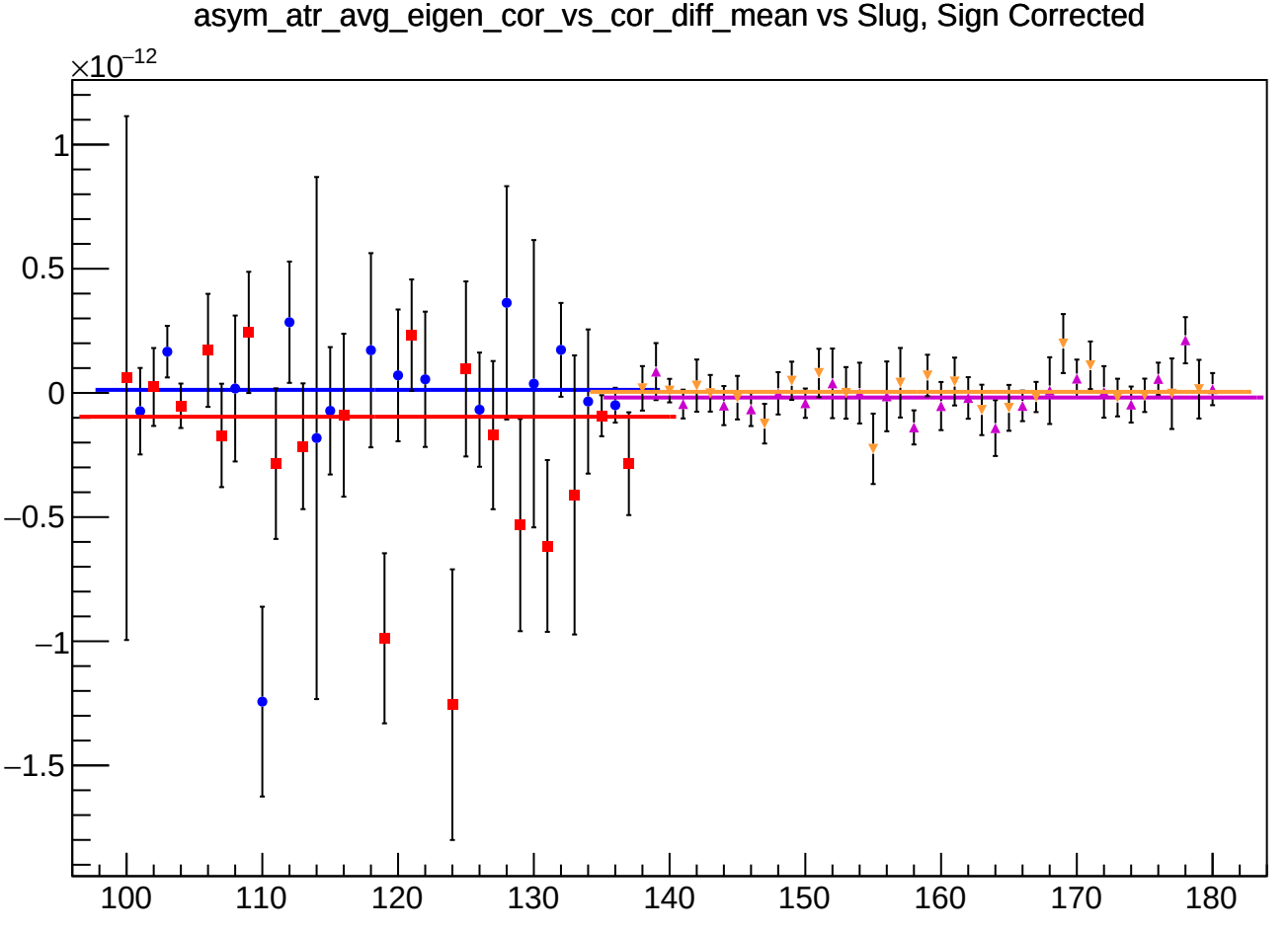
Left: 276.117+/-0.035 χ^2/NDF: 3806048.5/42

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 236.403+/-0.036 χ^2/NDF:4439347.6/36

Out: 220.801+/-0.035 χ^2/NDF:7434854.9/40

All: 228.281+/-0.025 χ^2/NDF: 11969419.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/20

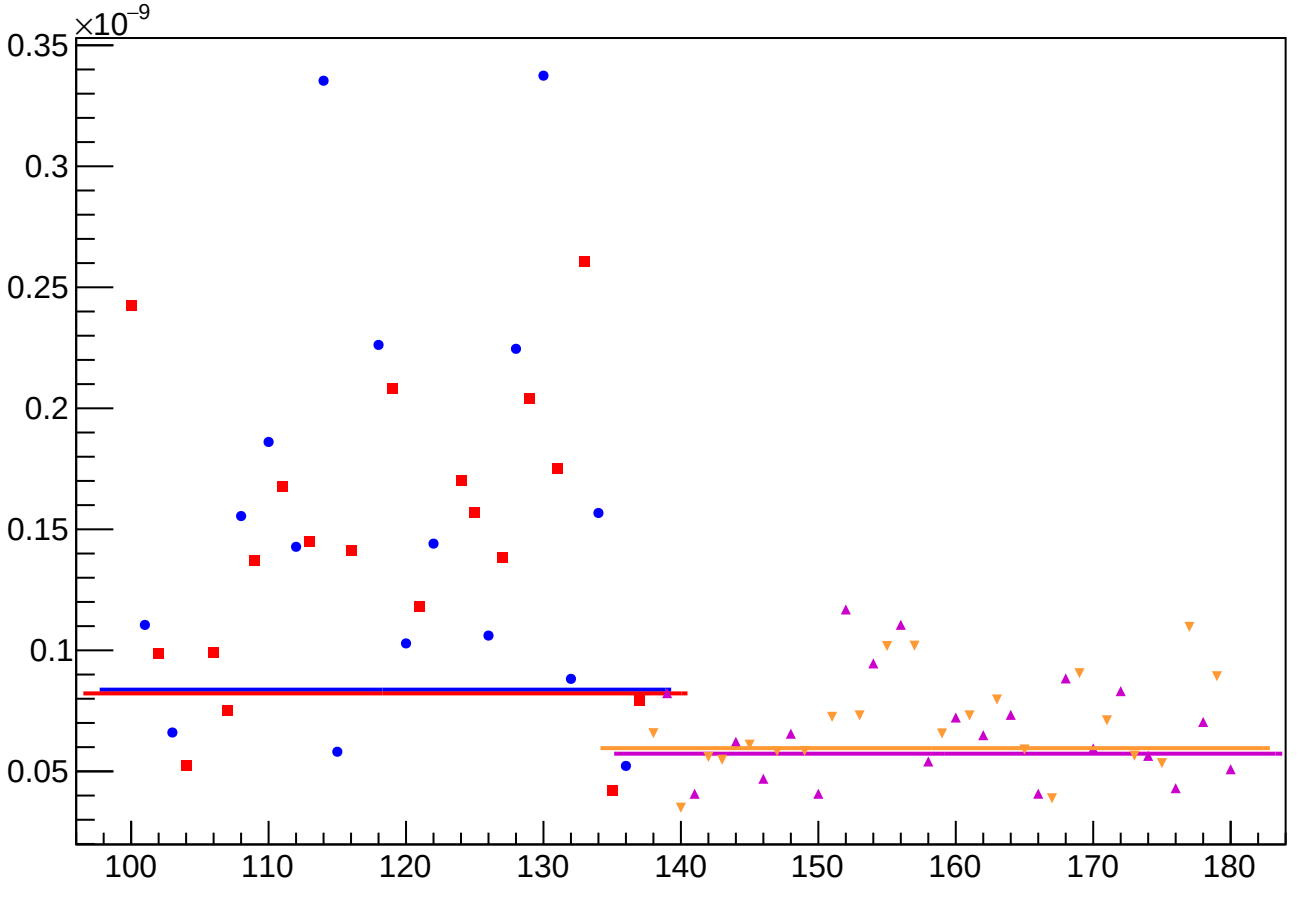
Left: -0.000+/-0.000 χ^2/NDF: 28.9/42

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:33.2/36

Out: -0.000+/-0.000 χ^2/NDF:39.9/40

All: -0.000+/-0.000 χ^2/NDF: 73.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910903.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1964006.3/20

Left: 0.000+/-0.000 χ^2/NDF: 3891340.4/42

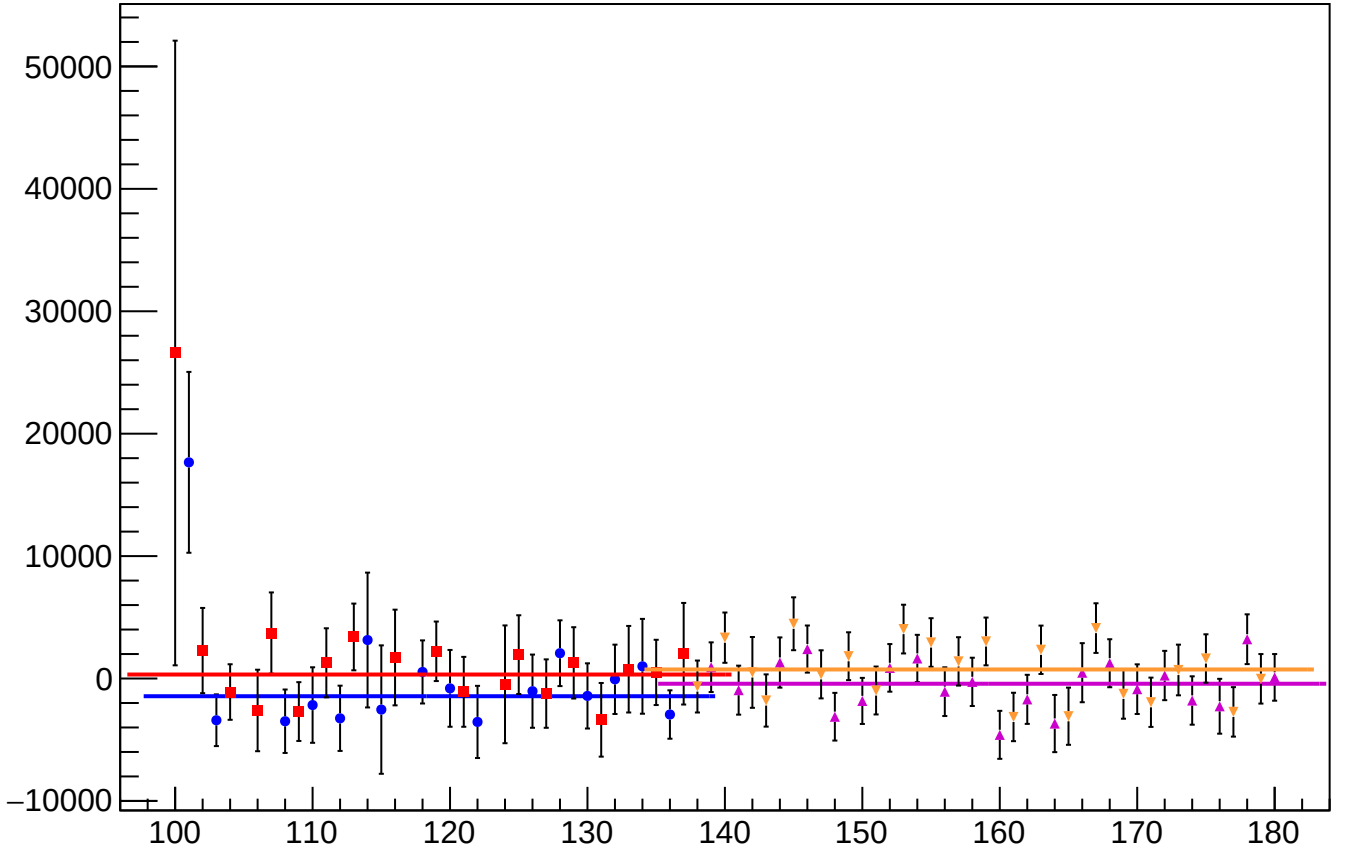
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4660122.4/36

Out: 0.000+/-0.000 χ^2/NDF:4621522.3/40

All: 0.000+/-0.000 χ^2/NDF: 9297254.0/77

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.815+/-437.425 χ^2/NDF:29.0/21

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -427.289+/-439.580 χ^2/NDF:19.9/20

Left: 158.628+/-310.066 χ^2/NDF: 52.4/42

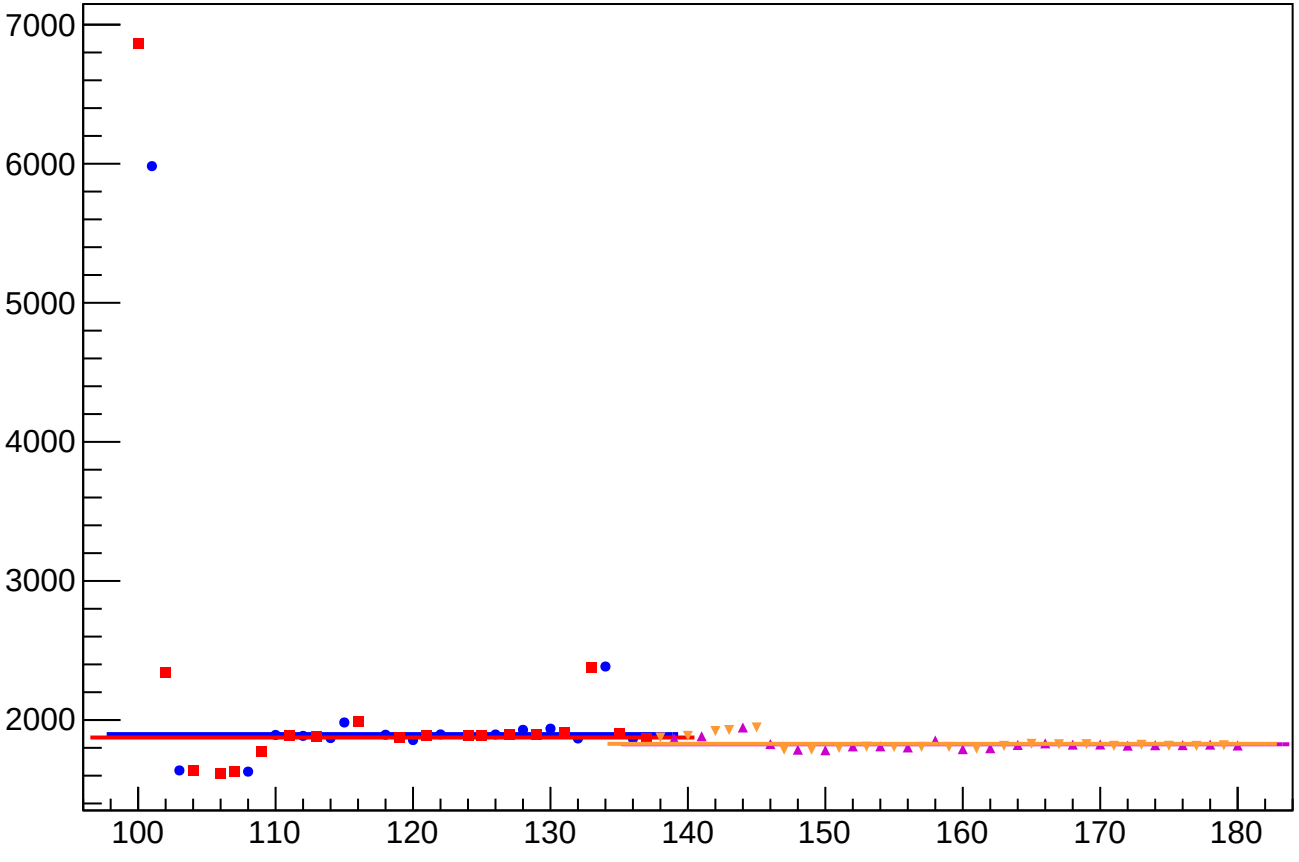
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -702.299+/-375.625 χ^2/NDF:34.9/36

Out: 623.487+/-371.346 χ^2/NDF:39.2/40

All: -31.811+/-264.081 χ^2/NDF: 80.4/77

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

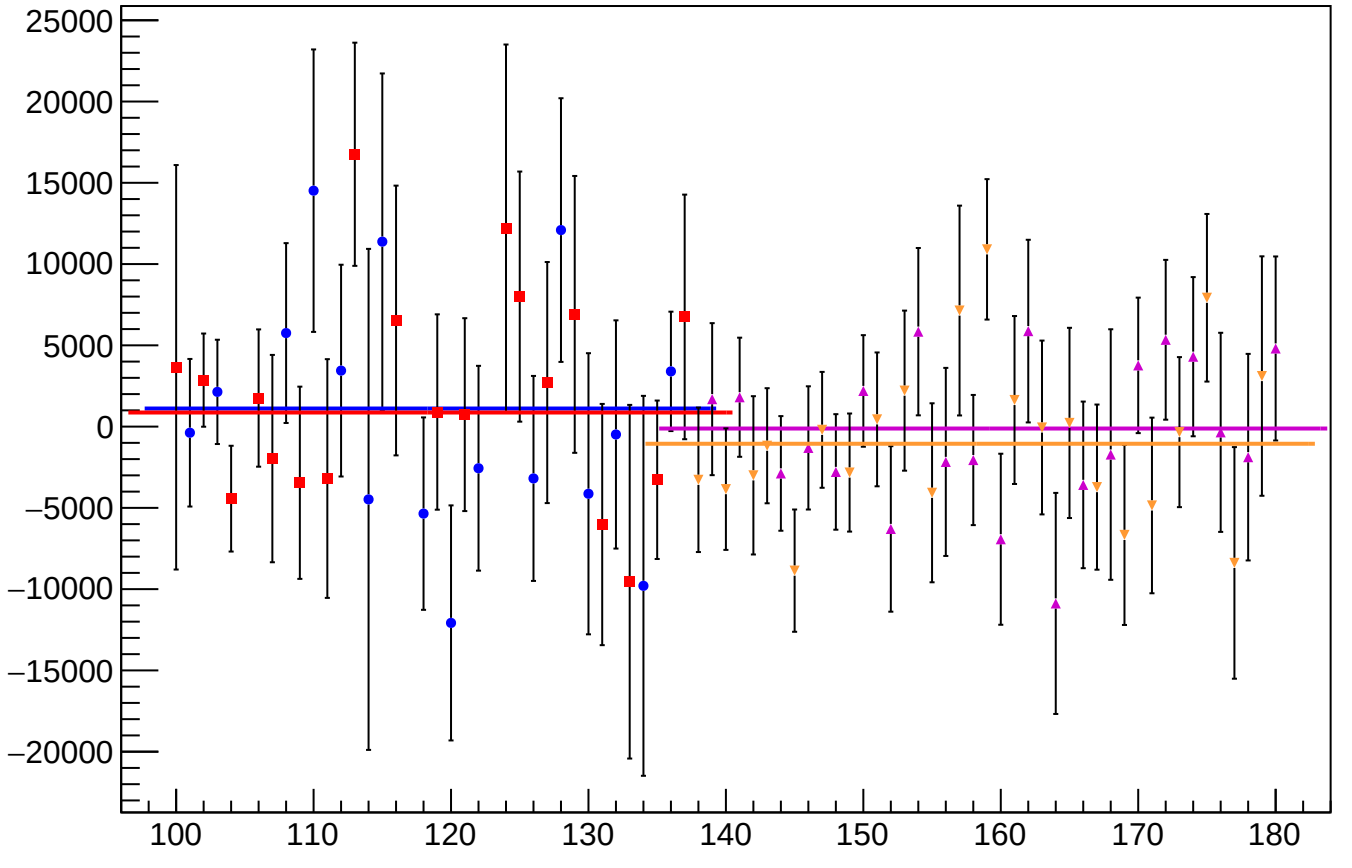
Left: 1827.284+/-0.219 χ^2/NDF: 32539.7/42

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1845.396+/-0.266 χ^2/NDF:725785.7/36

Out: 1841.627+/-0.262 χ^2/NDF:232858.3/40

All: 1843.488+/-0.187 χ^2/NDF: 958745.9/77



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1055.554+/-995.033 χ^2/NDF:22.3/21

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -118.405+/-1015.151 χ^2/NDF:14.9/20

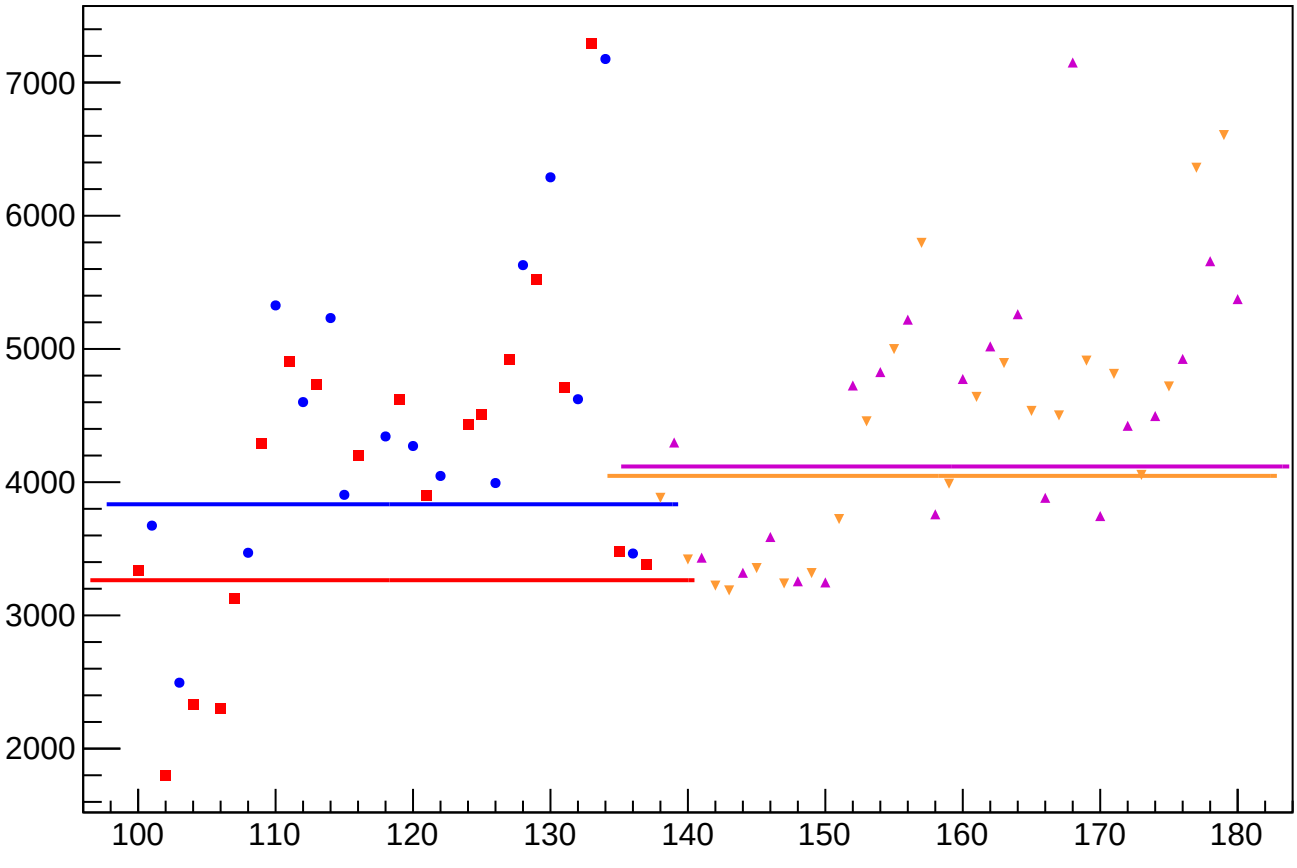
Left: -596.358+/-710.601 χ^2/NDF: 37.6/42

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

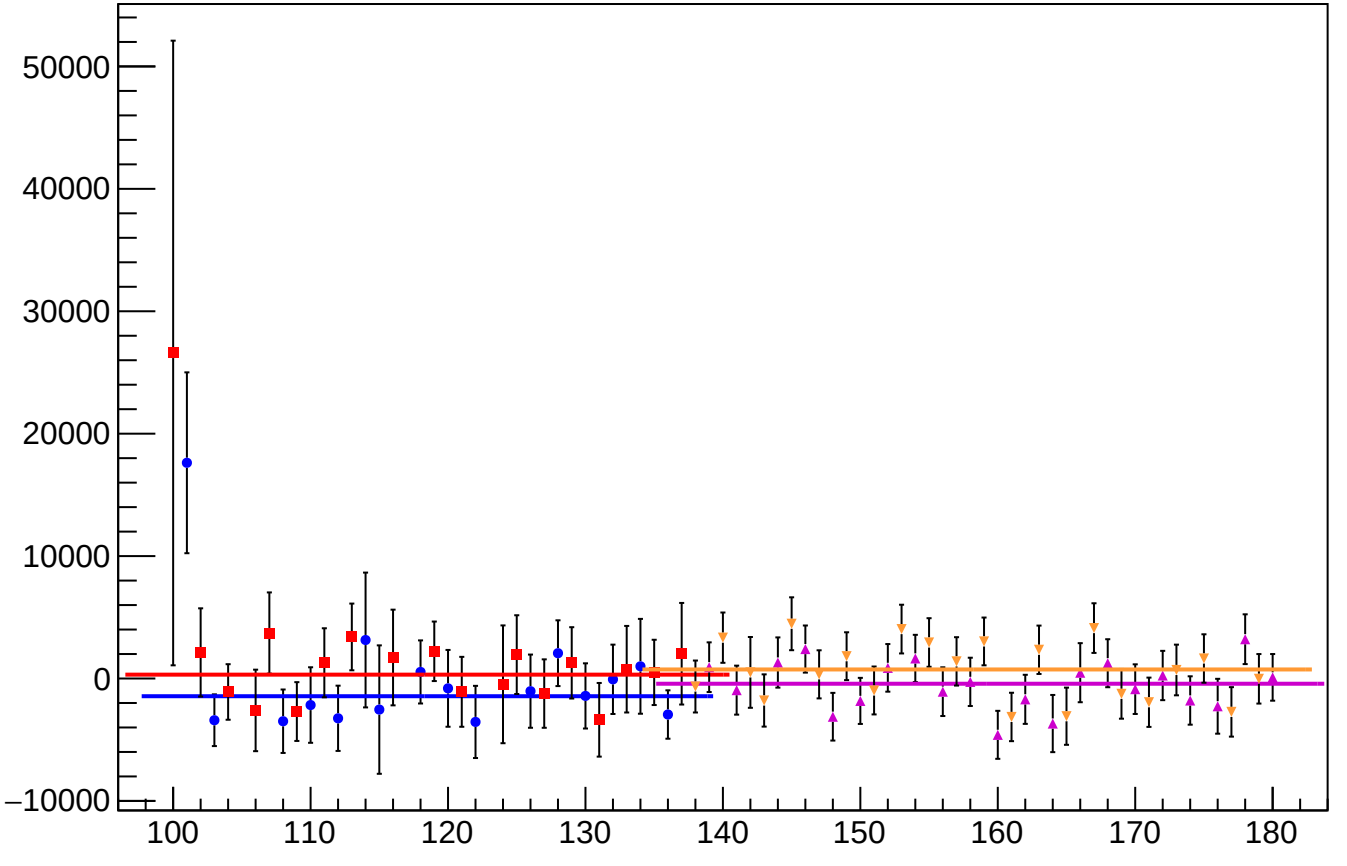
In: 275.752+/-837.014 χ^2/NDF:28.7/36

Out: -350.281+/-791.757 χ^2/NDF:39.3/40

All: -54.646+/-575.191 χ^2/NDF: 68.3/77


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 4047.278+/-0.704 χ²/NDF:1399650.4/21
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 4117.874+/-0.718 χ²/NDF:1354765.5/20
Left: 4081.869+/-0.502 χ²/NDF: 2759348.7/42
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 4027.040+/-0.592 χ²/NDF:2361555.0/36
Out: 3759.976+/-0.560 χ²/NDF:3718408.0/40
All: 3886.093+/-0.407 χ²/NDF: 6187420.1/77

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -427.165+/-439.580 χ^2/NDF:19.9/20

Left: 158.720+/-310.066 χ^2/NDF: 52.4/42

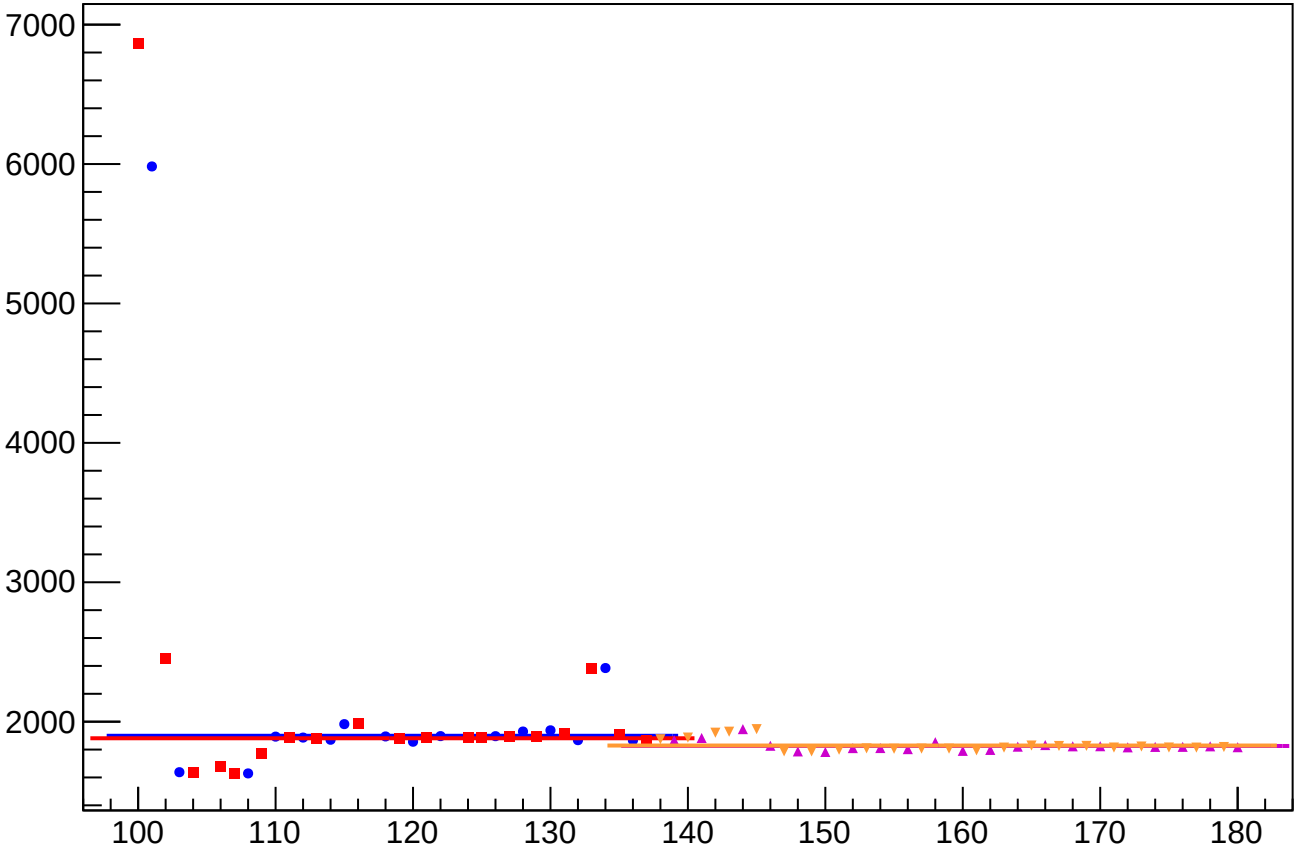
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -702.313+/-375.625 χ^2/NDF:34.8/36

Out: 620.843+/-371.486 χ^2/NDF:39.1/40

All: -33.404+/-264.132 χ^2/NDF: 80.2/77

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

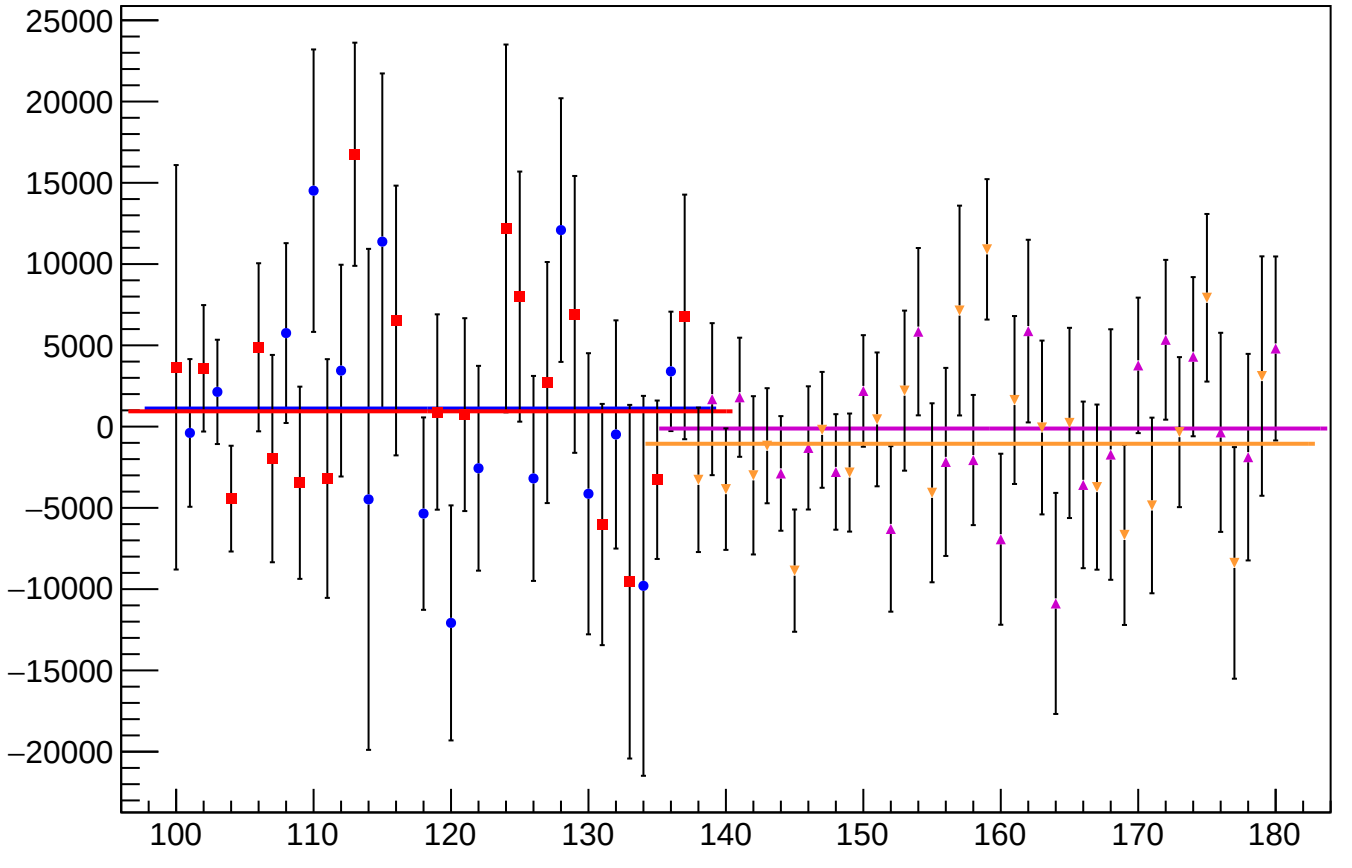
Left: 1827.284+/-0.219 χ^2/NDF: 32539.7/42

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1845.396+/-0.266 χ^2/NDF:725785.7/36

Out: 1843.457+/-0.263 χ^2/NDF:243660.1/40

All: 1844.415+/-0.187 χ^2/NDF: 969472.8/77



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1055.555+/-995.032 χ^2/NDF:22.3/21

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -118.404+/-1015.150 χ^2/NDF:14.9/20

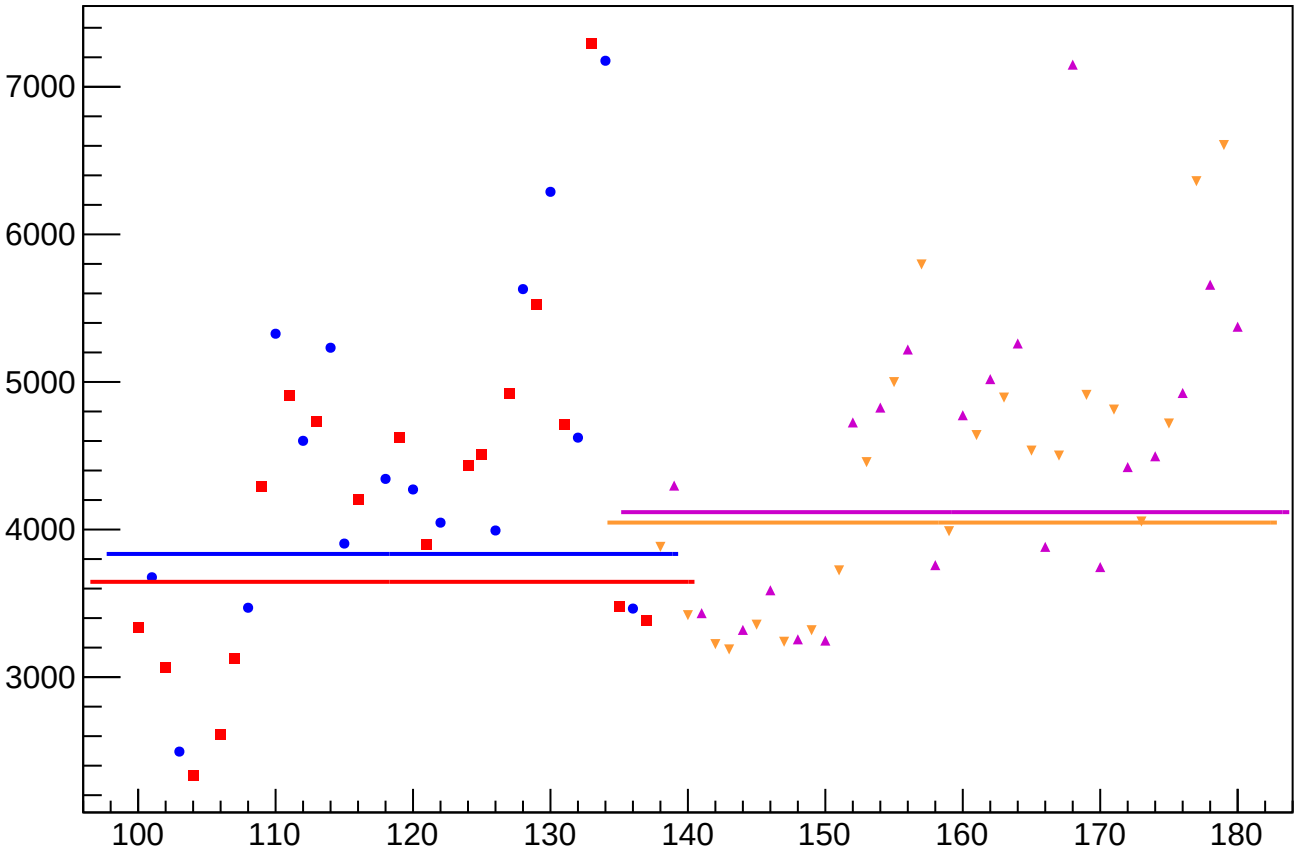
Left: -596.358+/-710.600 χ^2/NDF: 37.6/42

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 275.315+/-837.044 χ^2/NDF:28.7/36

Out: -384.941+/-810.854 χ^2/NDF:39.8/40

All: -65.304+/-582.399 χ^2/NDF: 68.9/77



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

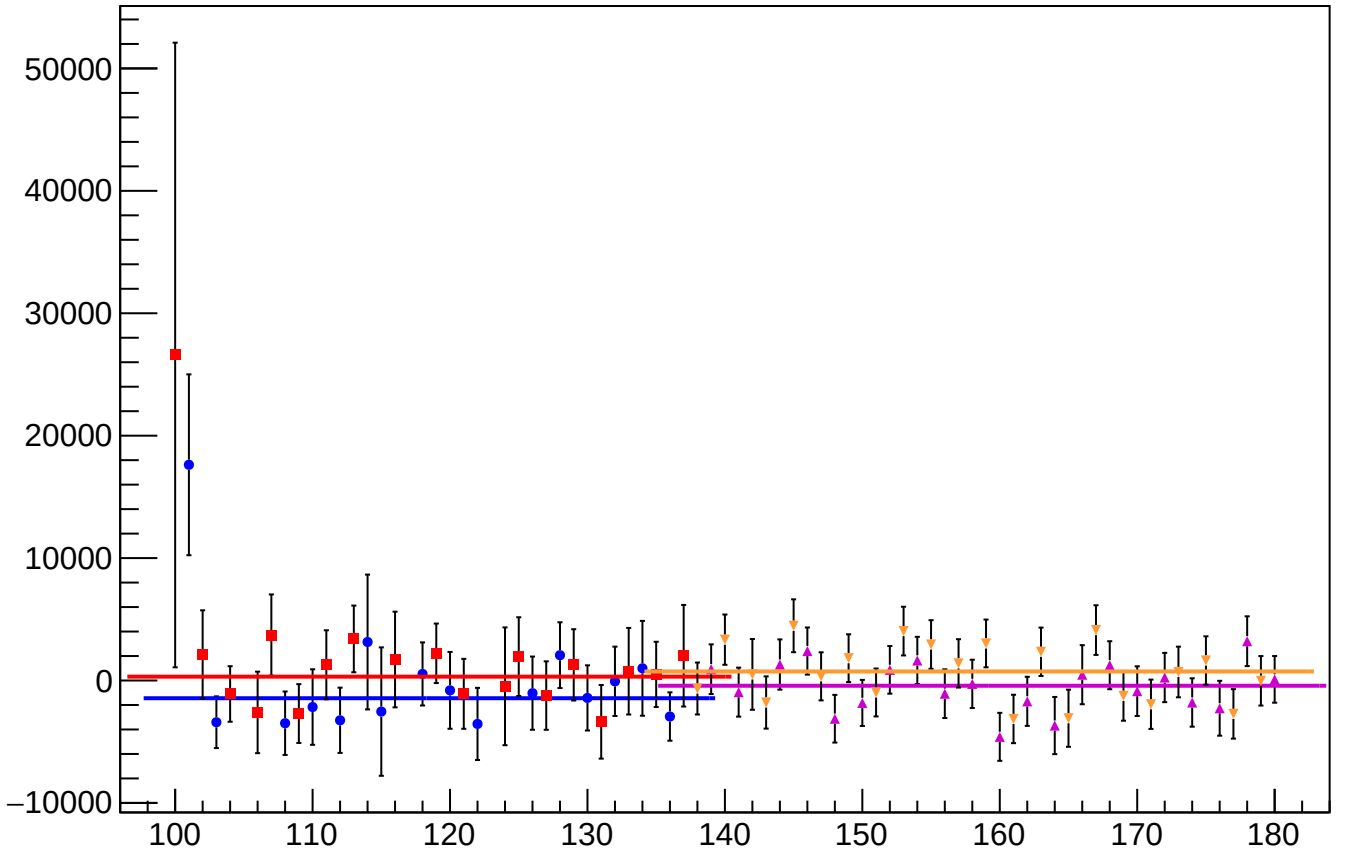
Left: 4081.864+/-0.502 χ^2/NDF: 2759350.4/42

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4027.218+/-0.592 χ^2/NDF:2360904.6/36

Out: 3912.368+/-0.573 χ^2/NDF:2634062.4/40

All: 3967.968+/-0.412 χ^2/NDF: 5014391.4/77



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -427.165+/-439.580 χ^2/NDF:19.9/20

Left: 158.720+/-310.066 χ^2/NDF: 52.4/42

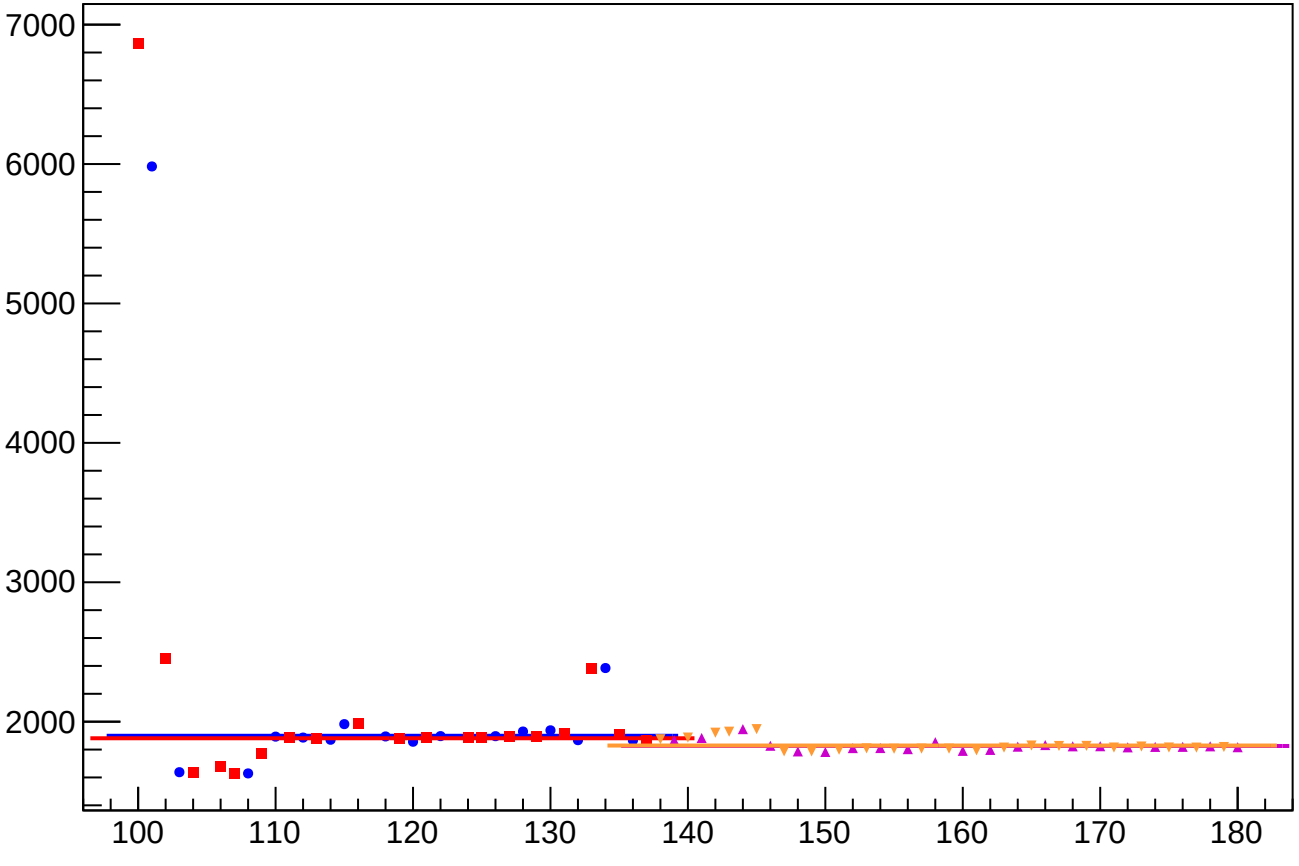
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -702.313+/-375.625 χ^2/NDF:34.8/36

Out: 620.843+/-371.486 χ^2/NDF:39.1/40

All: -33.404+/-264.132 χ^2/NDF: 80.2/77

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1825.653+/-0.311 χ^2/NDF:13318.8/20

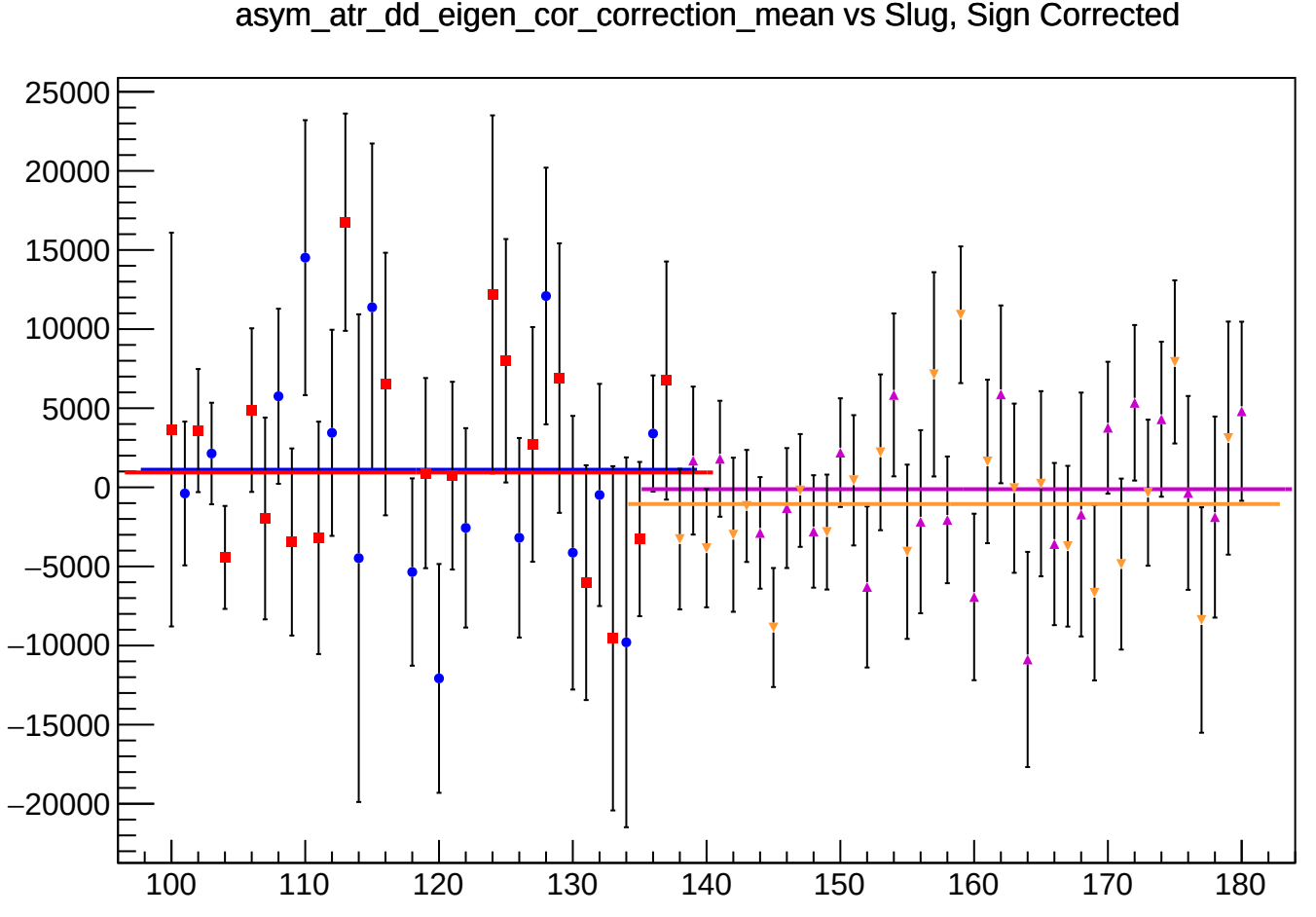
Left: 1827.284+/-0.219 χ^2/NDF: 32539.7/42

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1845.396+/-0.266 χ^2/NDF:725785.7/36

Out: 1843.457+/-0.263 χ^2/NDF:243660.1/40

All: 1844.415+/-0.187 χ^2/NDF: 969472.8/77



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1055.555+/-995.032 χ^2/NDF:22.3/21

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -118.404+/-1015.150 χ^2/NDF:14.9/20

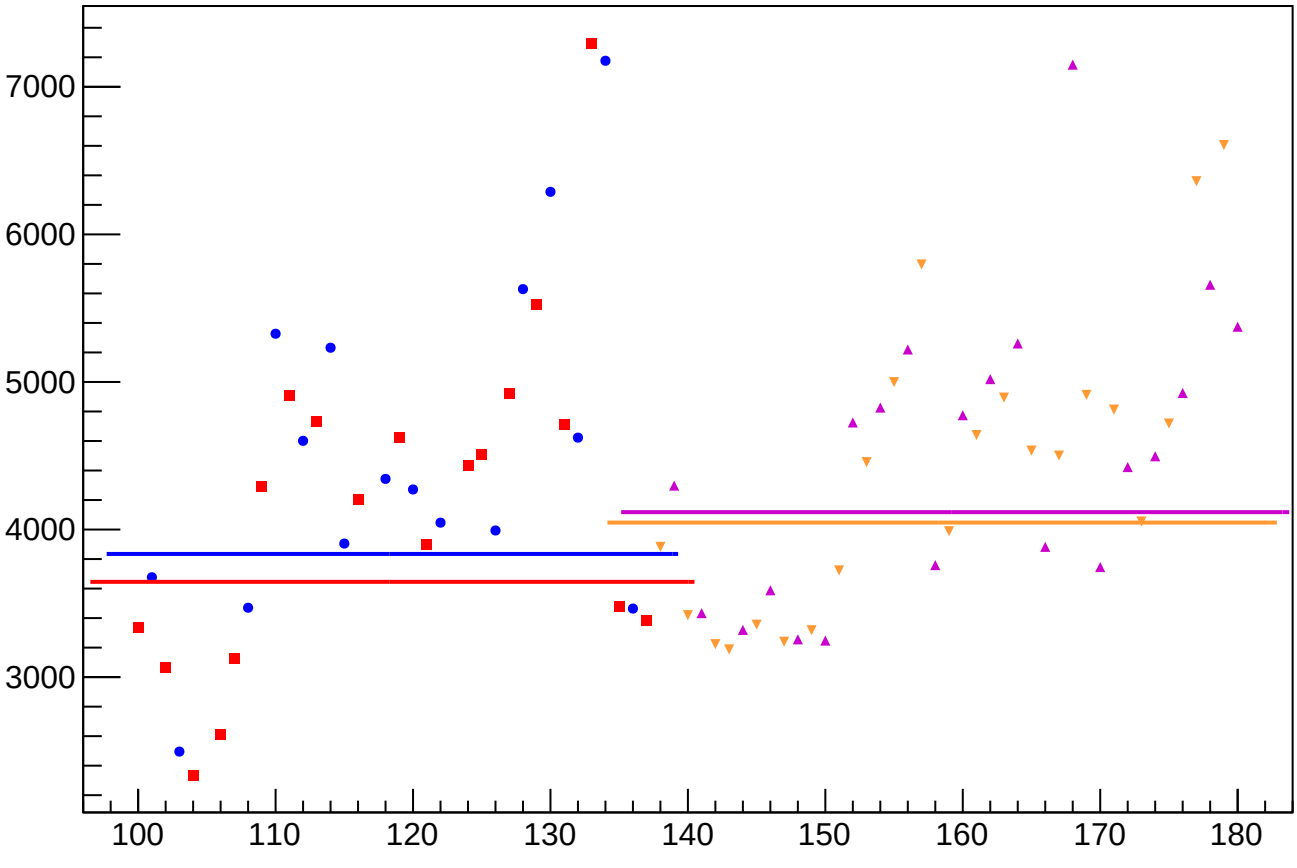
Left: -596.358+/-710.600 χ^2/NDF: 37.6/42

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 275.315+/-837.044 χ^2/NDF:28.7/36

Out: -384.941+/-810.854 χ^2/NDF:39.8/40

All: -65.304+/-582.399 χ^2/NDF: 68.9/77



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4117.866+/-0.718 χ^2/NDF:1354774.4/20

Left: 4081.864+/-0.502 χ^2/NDF: 2759350.4/42

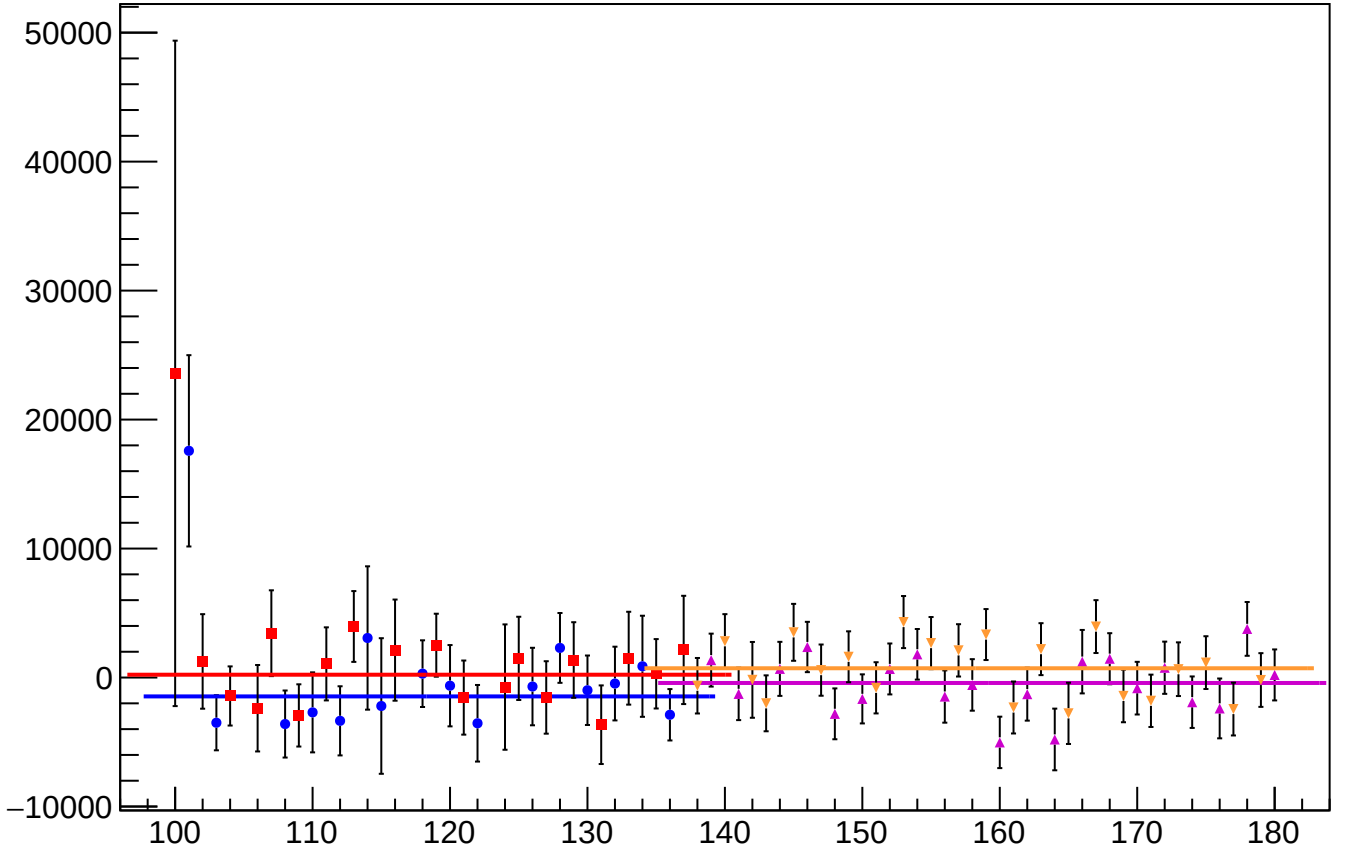
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 4027.218+/-0.592 χ^2/NDF:2360904.6/36

Out: 3912.368+/-0.573 χ^2/NDF:2634062.4/40

All: 3967.968+/-0.412 χ^2/NDF: 5014391.4/77

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.944+/-444.541 χ^2/NDF:24.5/21

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -421.009+/-446.998 χ^2/NDF:23.0/20

Left: 152.613+/-315.203 χ^2/NDF: 50.8/42

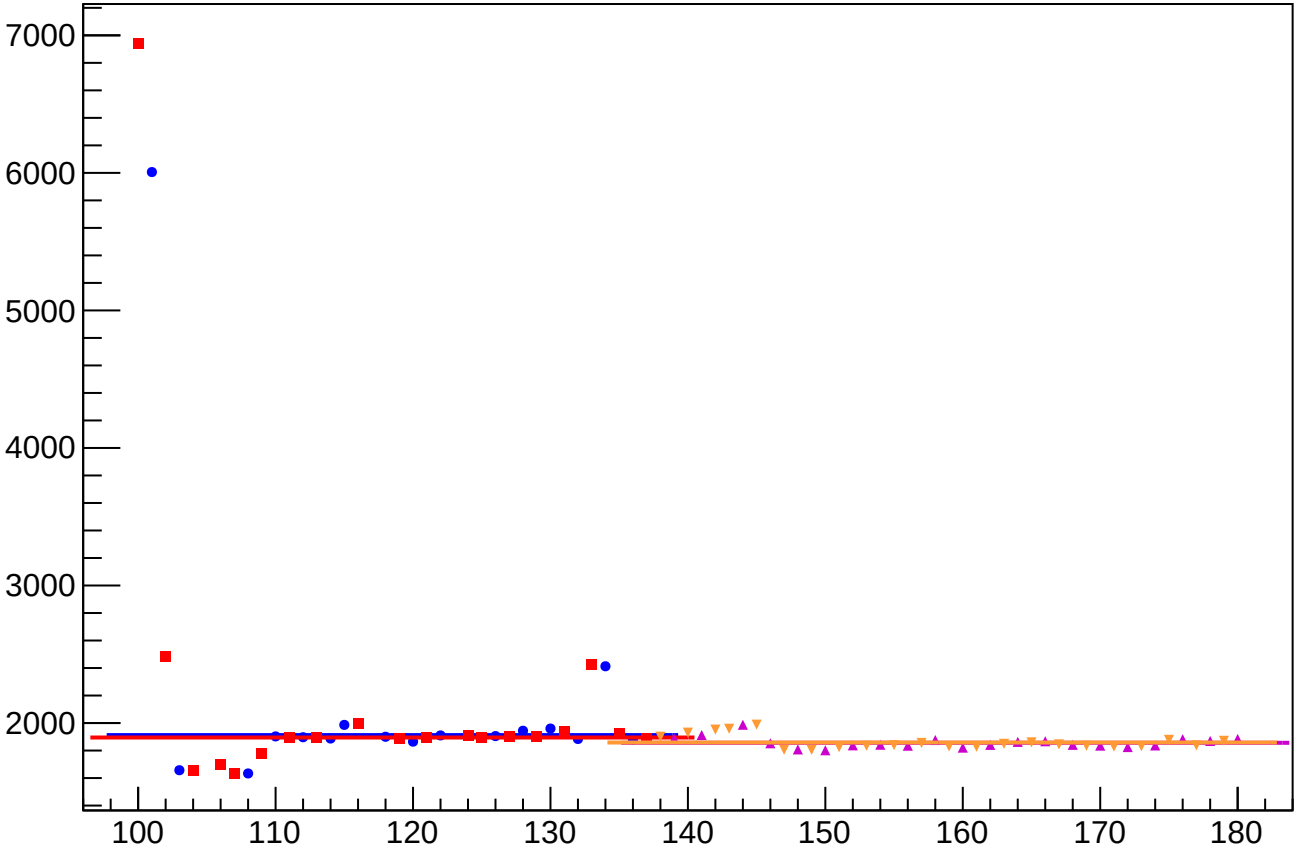
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -706.038+/-380.963 χ^2/NDF:38.1/36

Out: 578.746+/-376.609 χ^2/NDF:35.6/40

All: -56.263+/-267.829 χ^2/NDF: 79.5/77

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22731.9/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.265+/-0.316 χ^2/NDF:15901.1/20

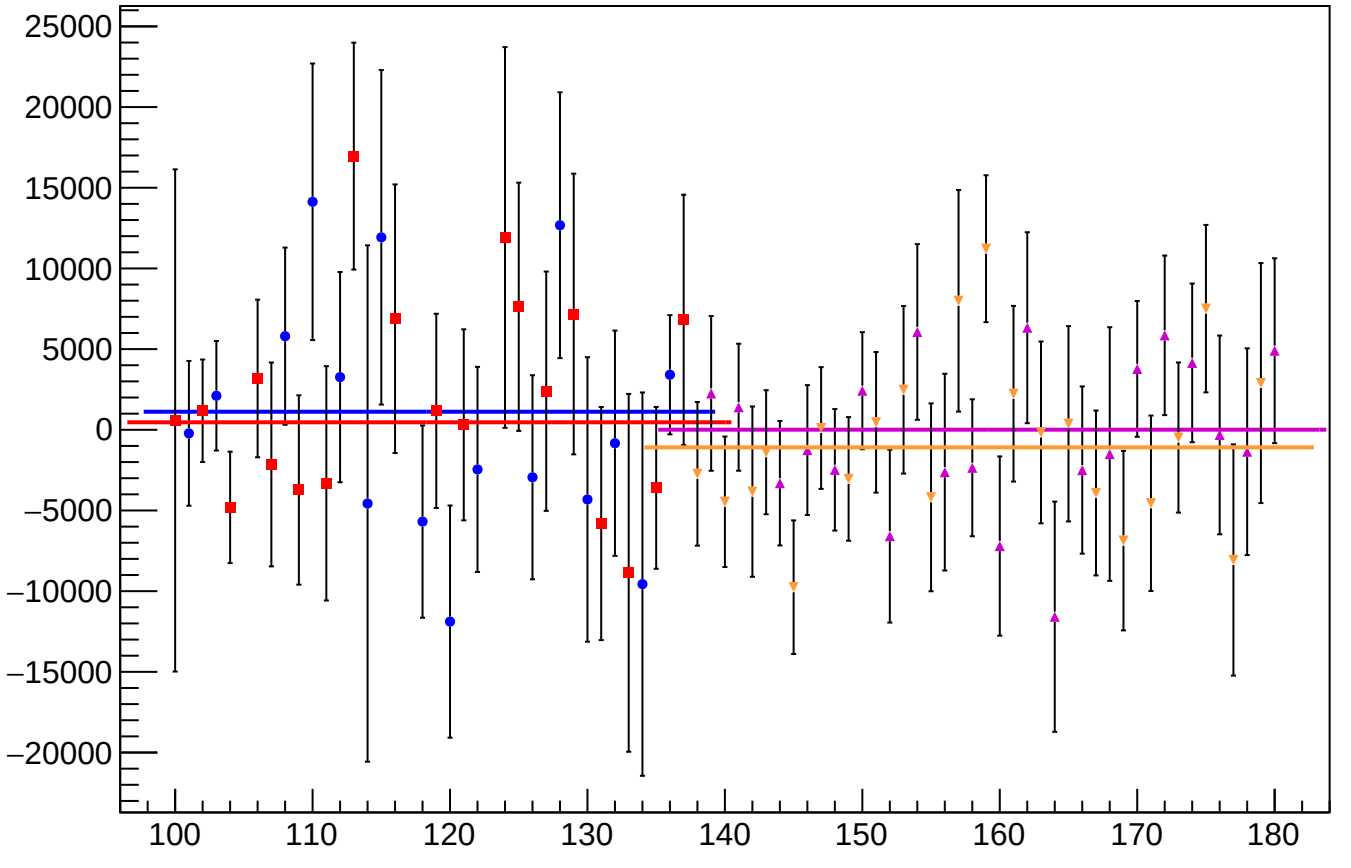
Left: 1857.360+/-0.223 χ^2/NDF: 38656.9/42

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.620+/-0.269 χ^2/NDF:720745.6/36

Out: 1868.712+/-0.266 χ^2/NDF:246288.0/40

All: 1870.149+/-0.189 χ^2/NDF: 967092.5/77



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1089.427+/-1043.290 χ^2/NDF:22.0/21

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 7.289+/-1060.850 χ^2/NDF:14.7/20

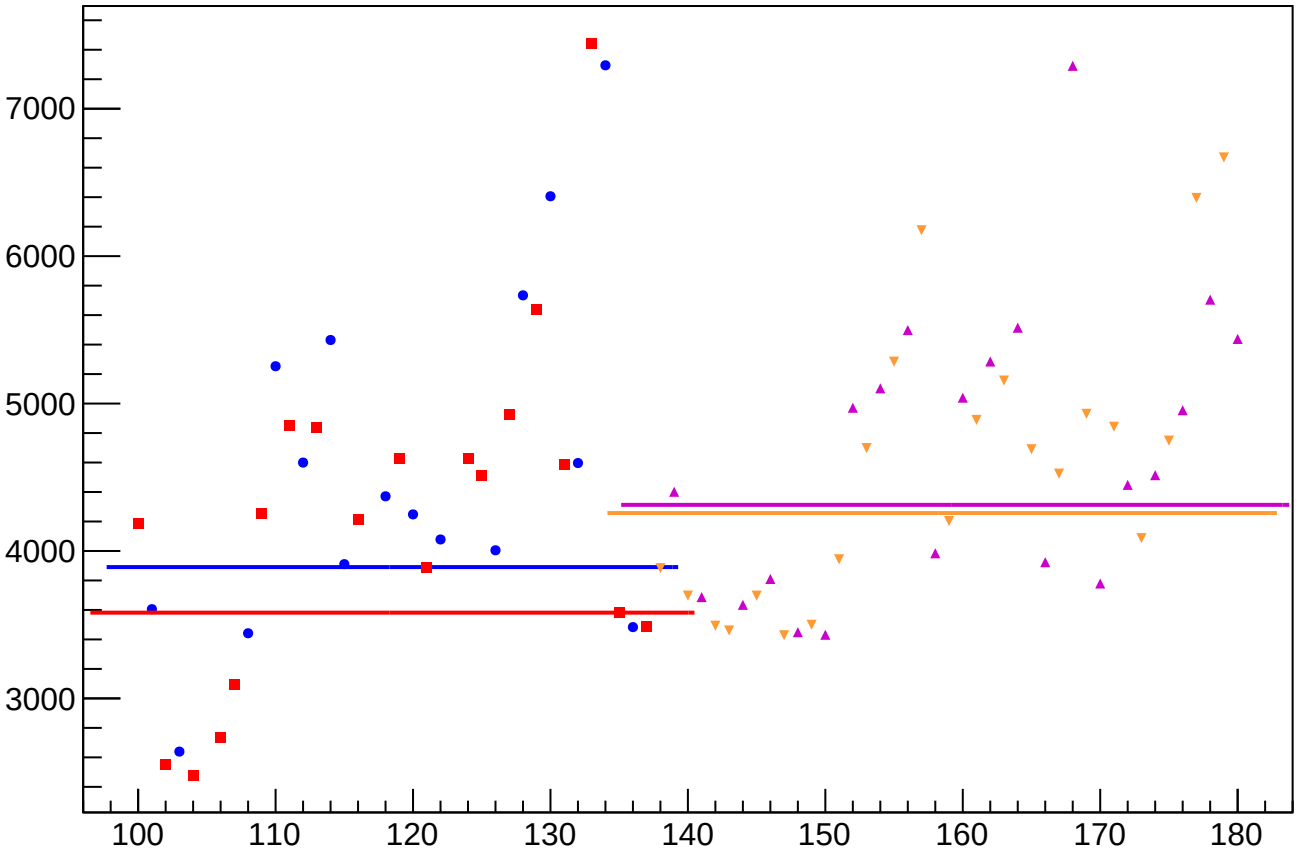
Left: -550.221+/-743.848 χ^2/NDF: 37.3/42

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 379.108+/-865.680 χ^2/NDF:28.6/36

Out: -519.527+/-830.199 χ^2/NDF:37.9/40

All: -89.002+/-599.190 χ^2/NDF: 67.0/77



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4257.286+/-0.738 χ^2/NDF:1190127.4/21

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4312.862+/-0.750 χ^2/NDF:1201339.5/20

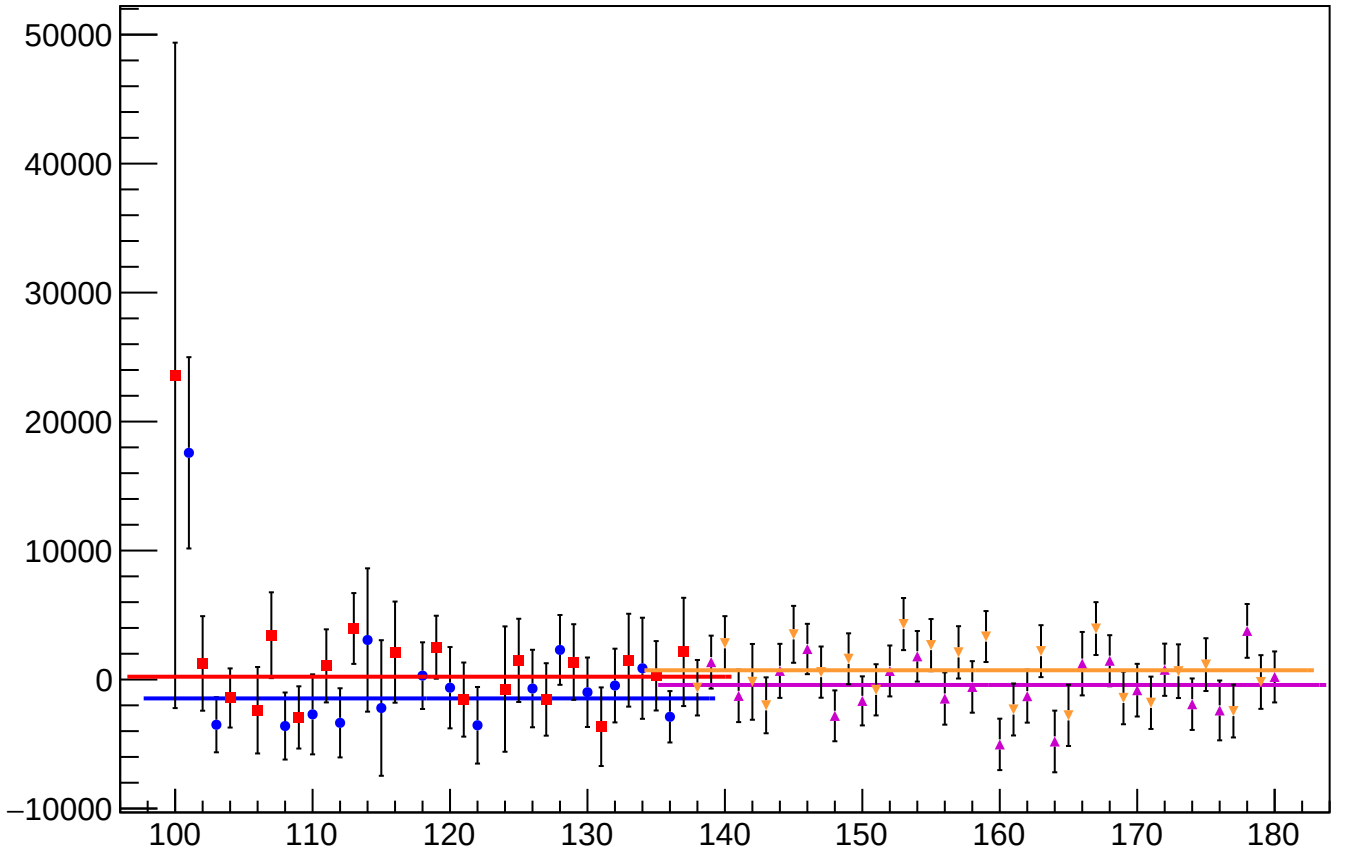
Left: 4284.610+/-0.526 χ^2/NDF: 2394257.3/42

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4171.819+/-0.612 χ^2/NDF:2185572.4/36

Out: 4009.524+/-0.587 χ^2/NDF:2719509.7/40

All: 4087.278+/-0.424 χ^2/NDF: 4941699.5/77



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.950+/-444.541 χ^2/NDF:24.5/21

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -421.009+/-446.998 χ^2/NDF:23.0/20

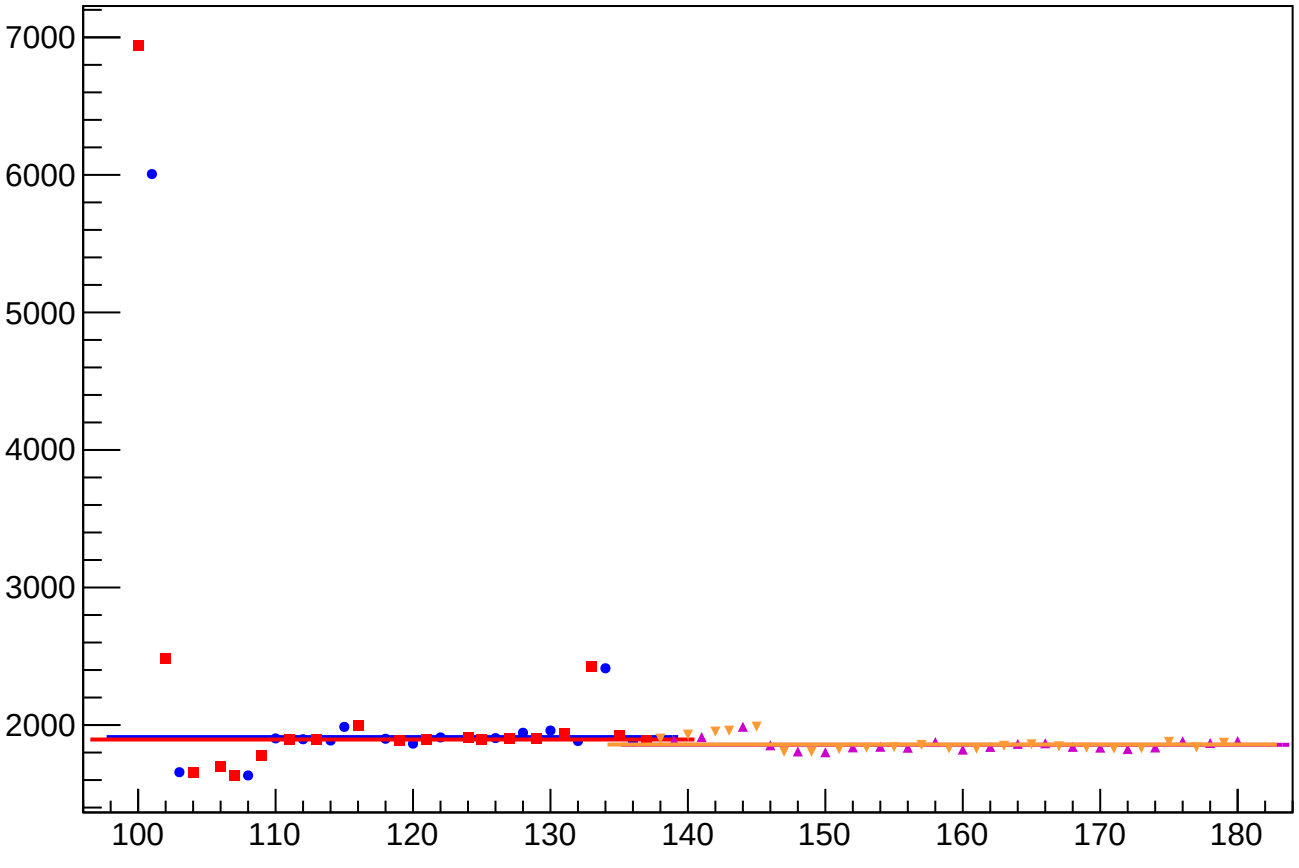
Left: 152.616+/-315.203 χ^2/NDF: 50.8/42

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -706.040+/-380.963 χ^2/NDF:38.1/36

Out: 578.748+/-376.609 χ^2/NDF:35.6/40

All: -56.263+/-267.829 χ^2/NDF: 79.5/77



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22732.0/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1856.266+/-0.316 χ^2/NDF:15901.0/20

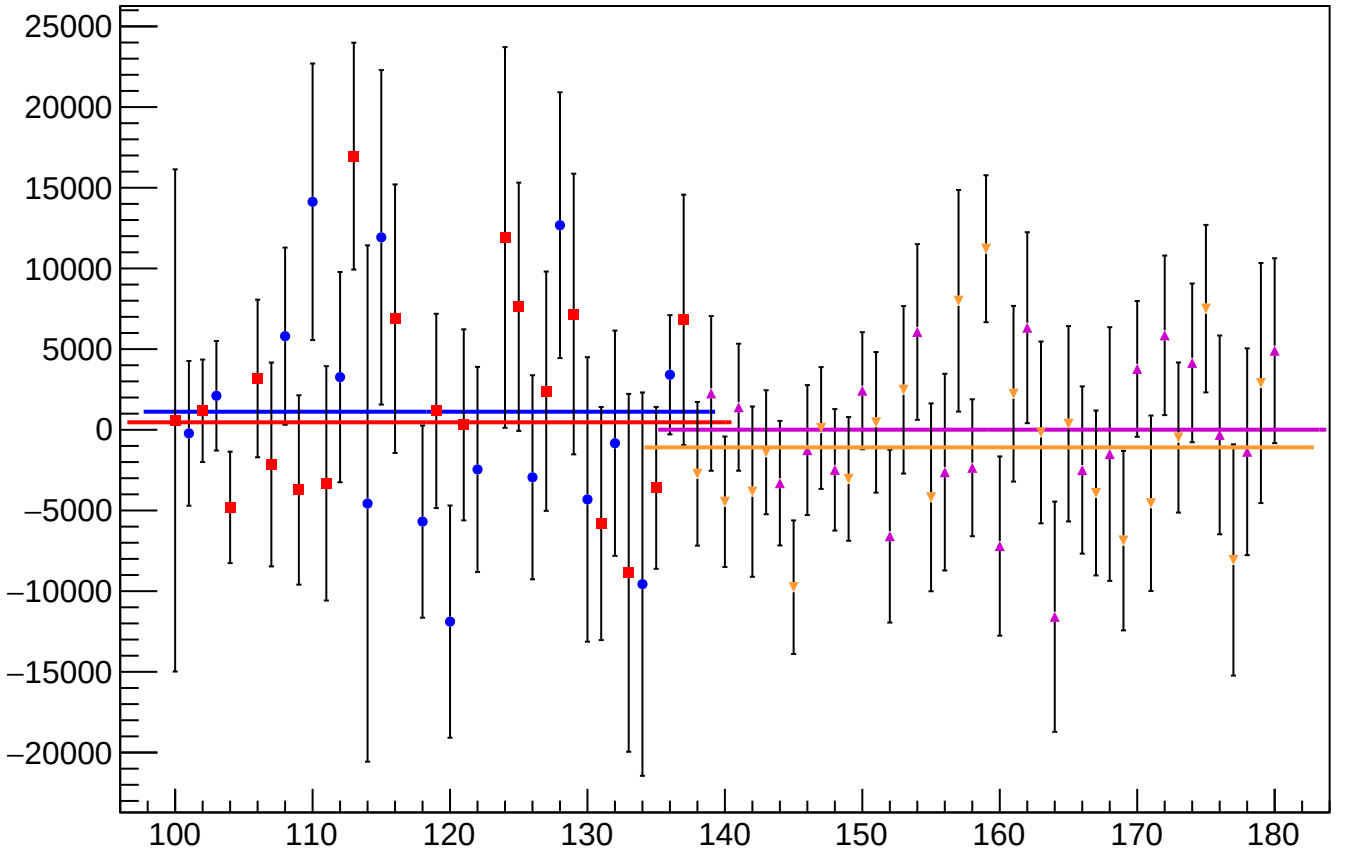
Left: 1857.361+/-0.223 χ^2/NDF: 38656.9/42

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.620+/-0.269 χ^2/NDF:720745.2/36

Out: 1868.712+/-0.266 χ^2/NDF:246287.9/40

All: 1870.149+/-0.189 χ^2/NDF: 967092.0/77



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1089.426+/-1043.292 χ^2/NDF:22.0/21

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 7.290+/-1060.852 χ^2/NDF:14.7/20

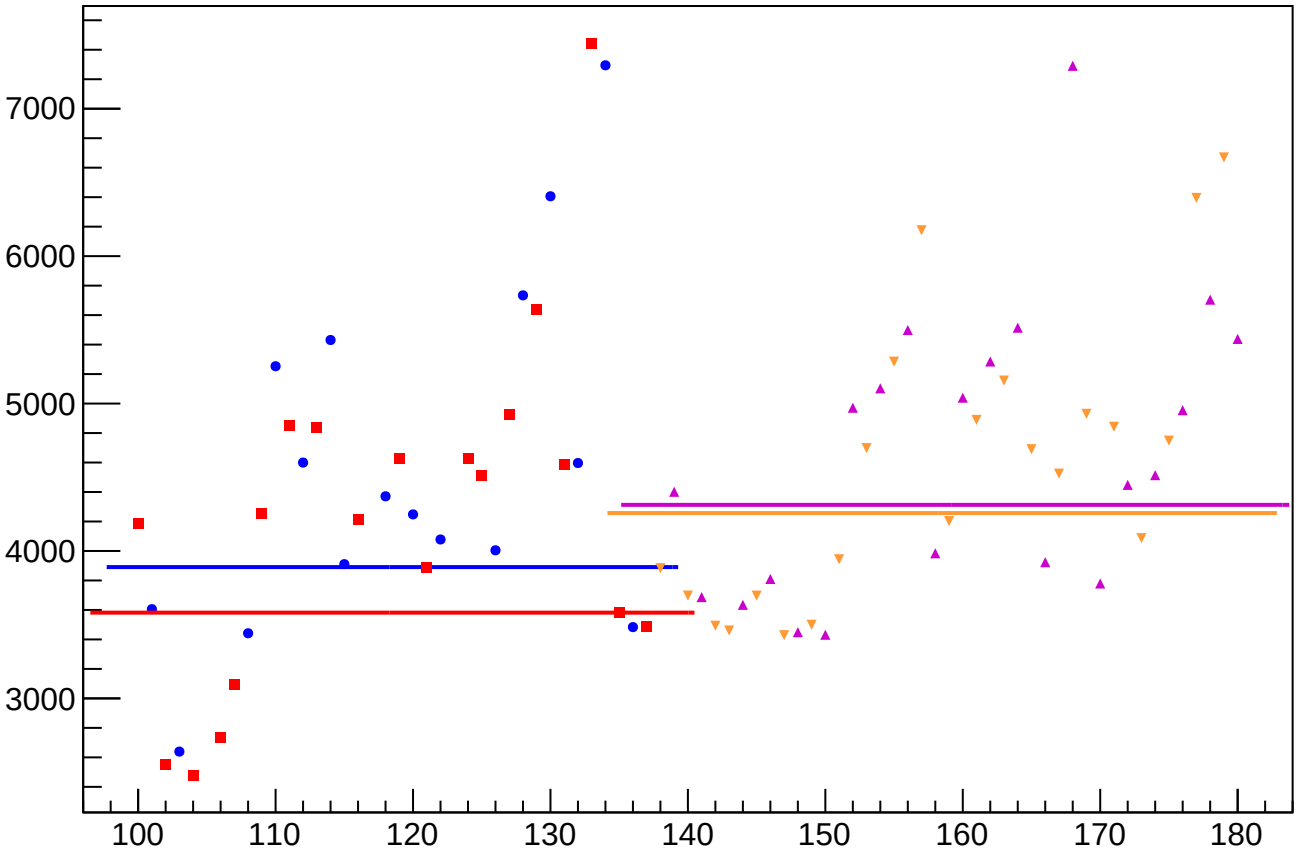
Left: -550.220+/-743.849 χ^2/NDF: 37.3/42

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 379.106+/-865.680 χ^2/NDF:28.6/36

Out: -519.525+/-830.200 χ^2/NDF:37.9/40

All: -89.002+/-599.191 χ^2/NDF: 67.0/77



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4257.293+/-0.738 χ^2/NDF:1190130.3/21

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4312.869+/-0.750 χ^2/NDF:1201345.1/20

Left: 4284.617+/-0.526 χ^2/NDF: 2394265.7/42

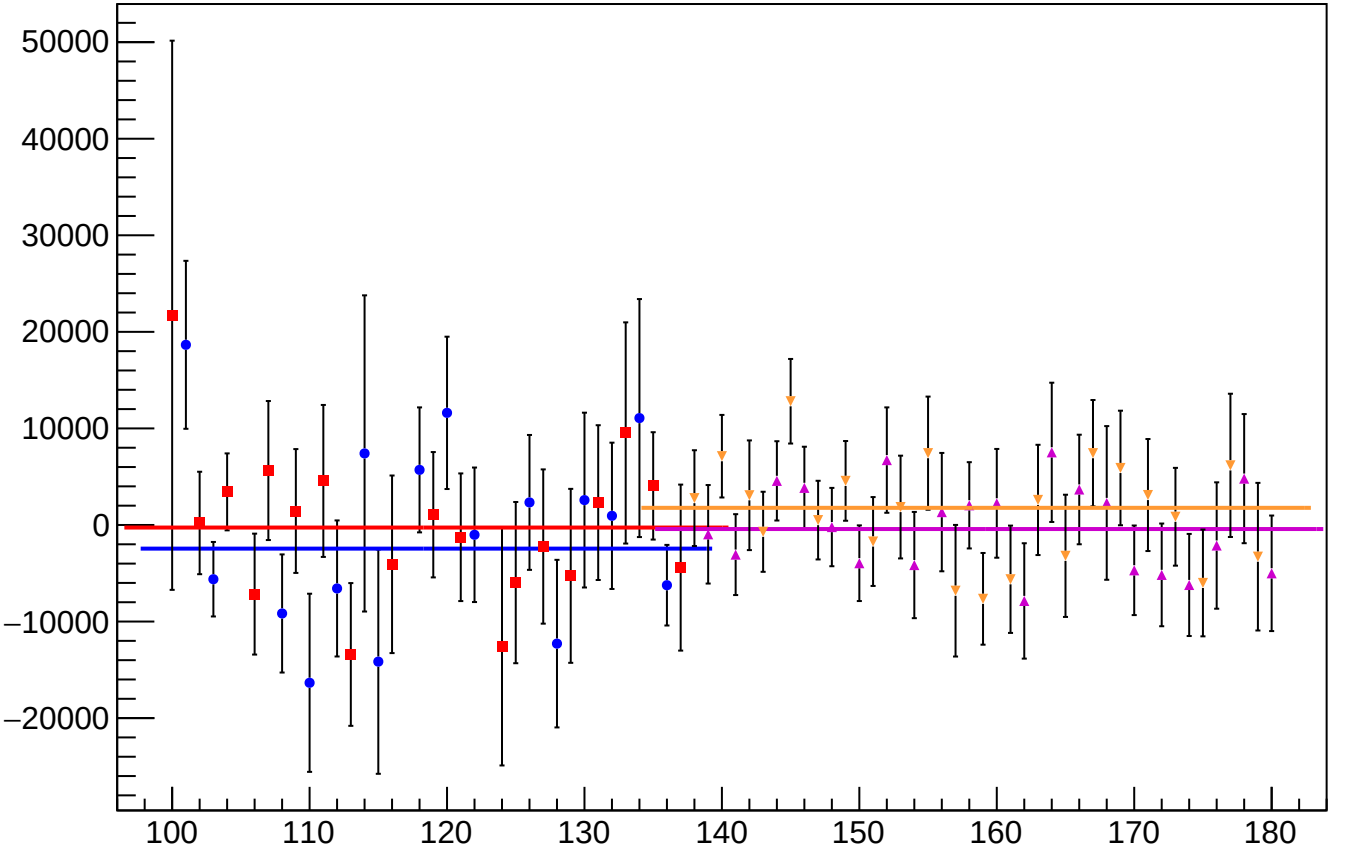
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4171.822+/-0.612 χ^2/NDF:2185573.7/36

Out: 4009.527+/-0.587 χ^2/NDF:2719513.1/40

All: 4087.280+/-0.424 χ^2/NDF: 4941704.5/77

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1775.733+/-1104.762 χ^2/NDF:22.8/21

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -419.672+/-1120.769 χ^2/NDF:14.0/20

Left: 693.820+/-786.783 χ^2/NDF: 38.7/42

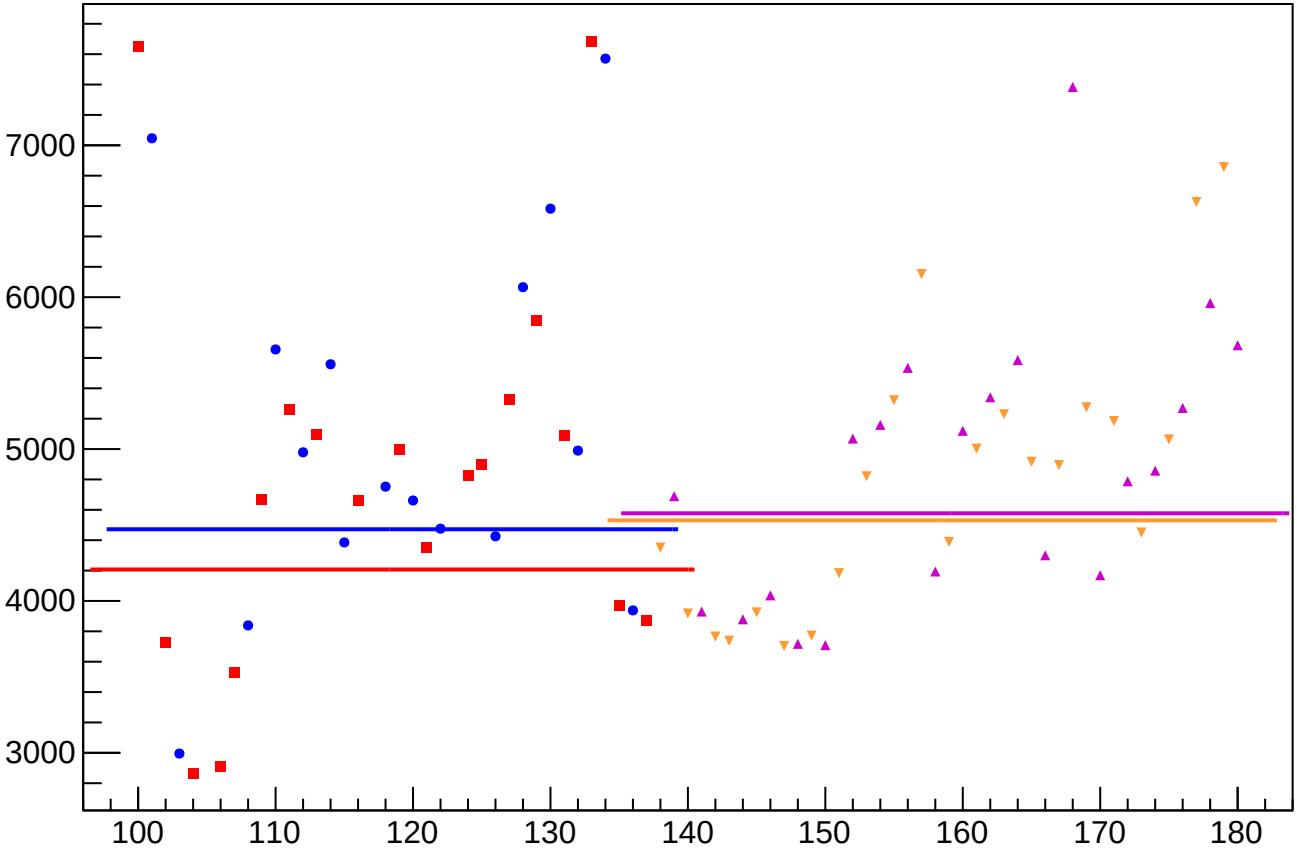
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1024.437+/-938.960 χ^2/NDF:35.8/36

Out: 1129.059+/-913.187 χ^2/NDF:34.5/40

All: 82.272+/-654.643 χ^2/NDF: 73.1/77

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4530.540+/-0.781 χ^2/NDF:991882.2/21

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4577.035+/-0.793 χ^2/NDF:973773.2/20

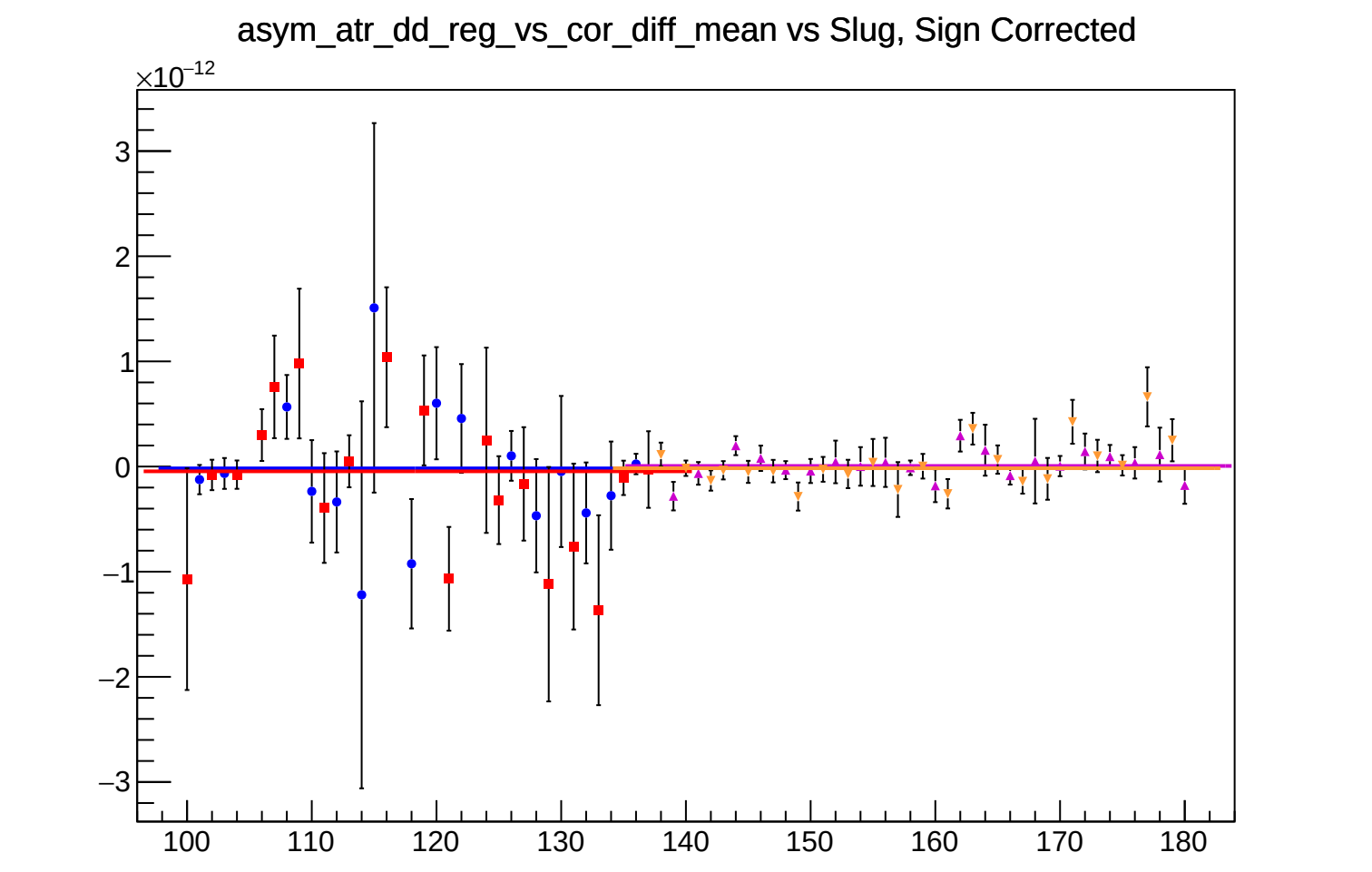
Left: 4553.453+/-0.556 χ^2/NDF: 1967401.1/42

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4545.693+/-0.664 χ^2/NDF:1870697.8/36

Out: 4426.880+/-0.644 χ^2/NDF:1893381.5/40

All: 4484.479+/-0.462 χ^2/NDF: 3780578.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/20

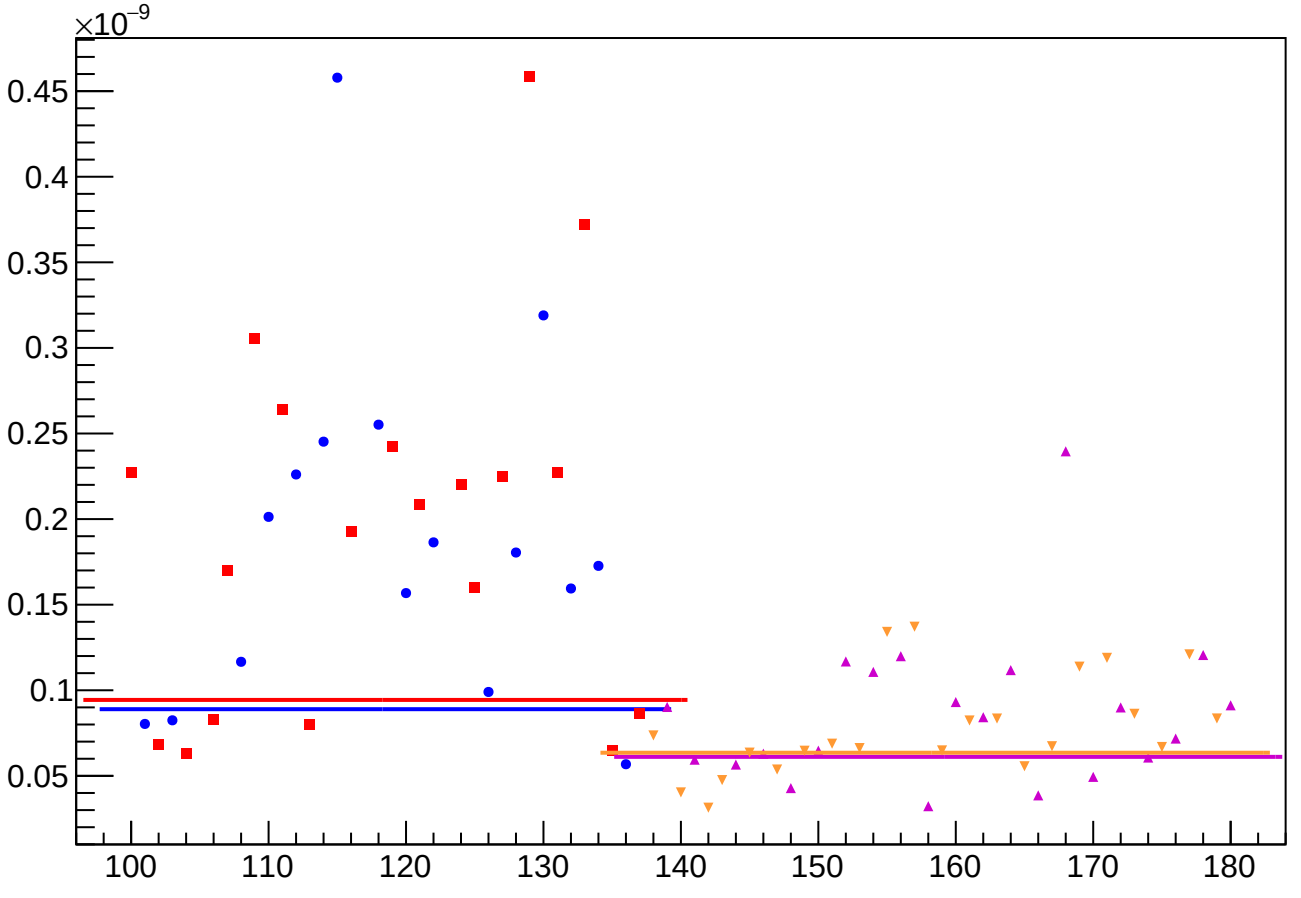
Left: -0.000+/-0.000 χ^2/NDF: 51.6/42

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:32.5/36

Out: -0.000+/-0.000 χ^2/NDF:53.0/40

All: -0.000+/-0.000 χ^2/NDF: 85.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1385961.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1977349.5/20

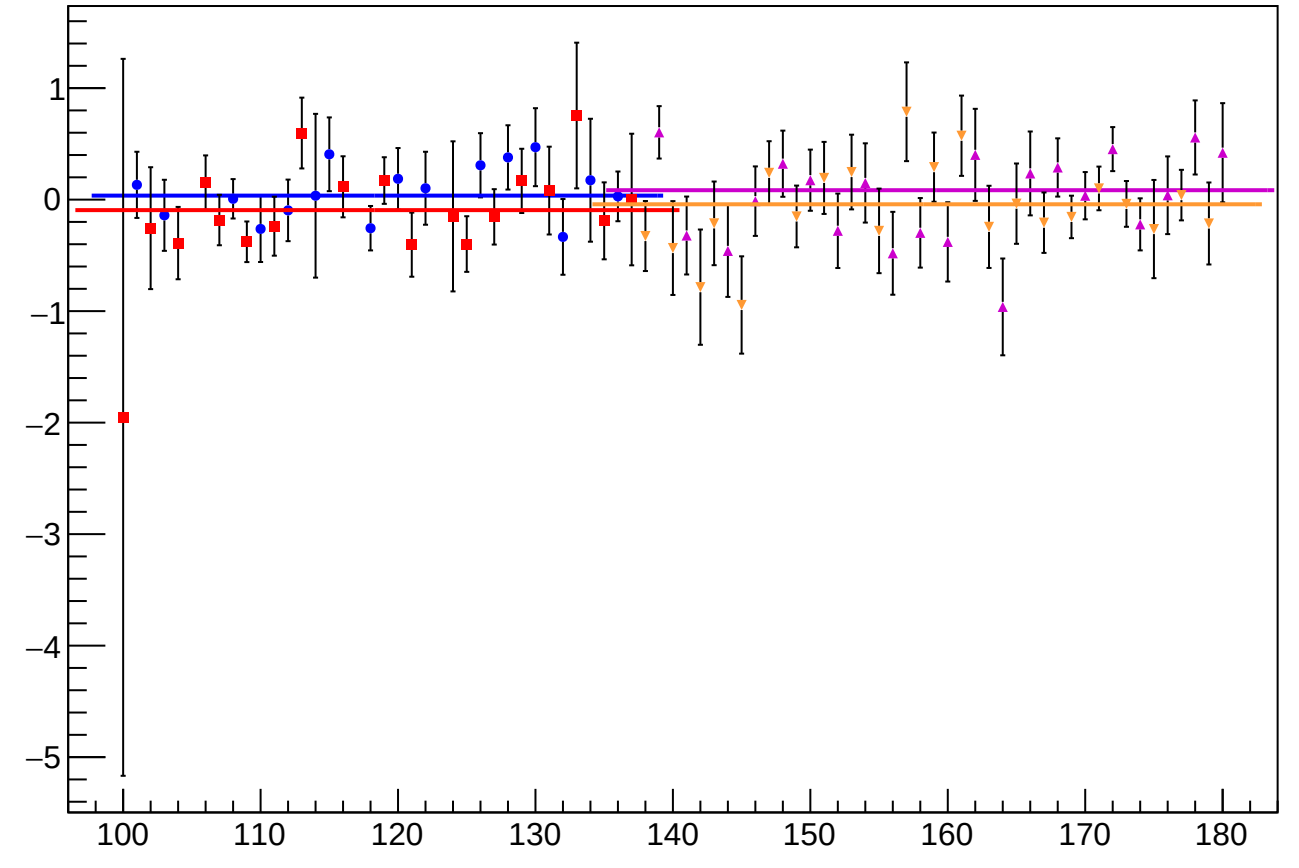
Left: 0.000+/-0.000 χ^2/NDF: 3371528.7/42

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3552431.8/36

Out: 0.000+/-0.000 χ^2/NDF:3437606.4/40

All: 0.000+/-0.000 χ^2/NDF: 6996590.7/77



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.066 χ^2/NDF:30.6/20

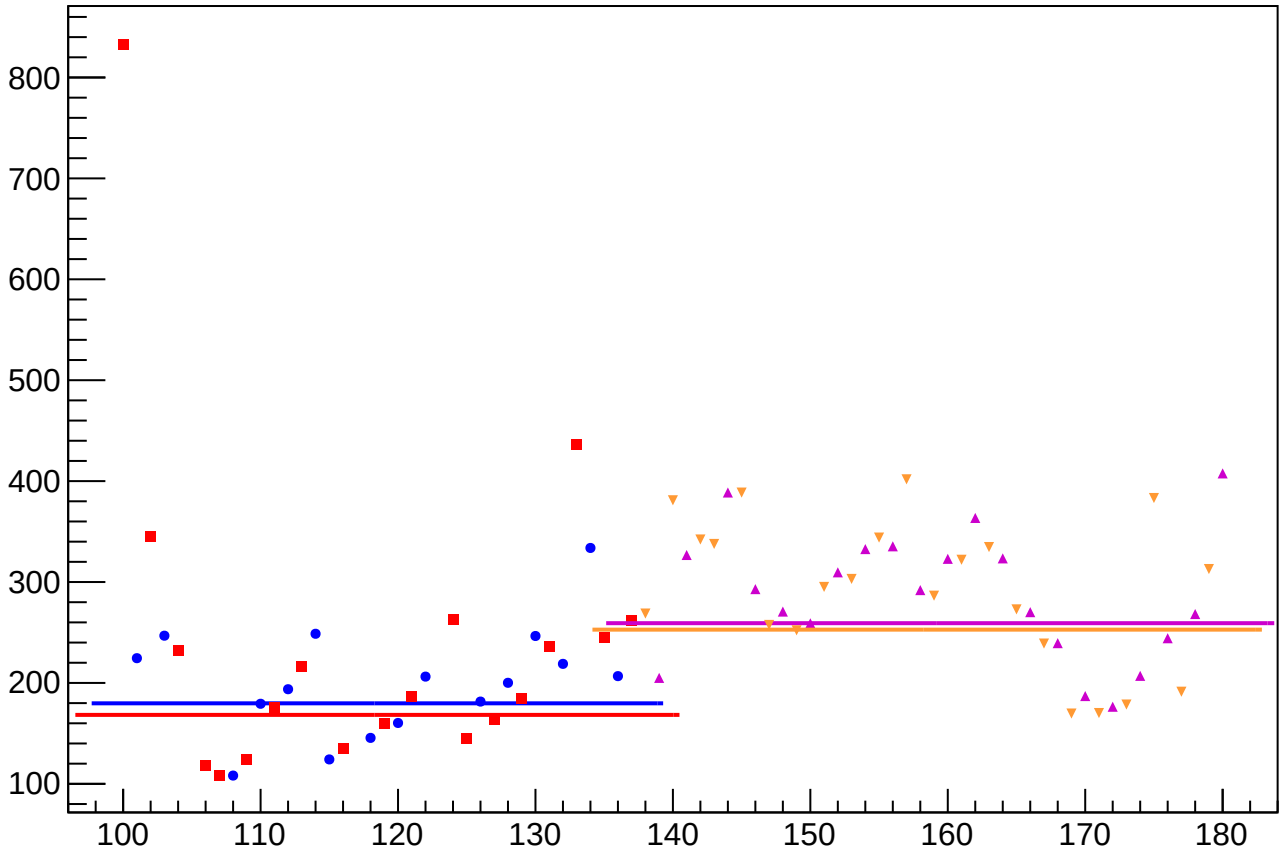
Left: 0.020+/-0.046 χ^2/NDF: 53.3/42

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.062+/-0.048 χ^2/NDF:41.4/36

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.005+/-0.033 χ^2/NDF: 83.8/77



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

Left: 255.926+/-0.032 χ^2/NDF: 4363144.4/42

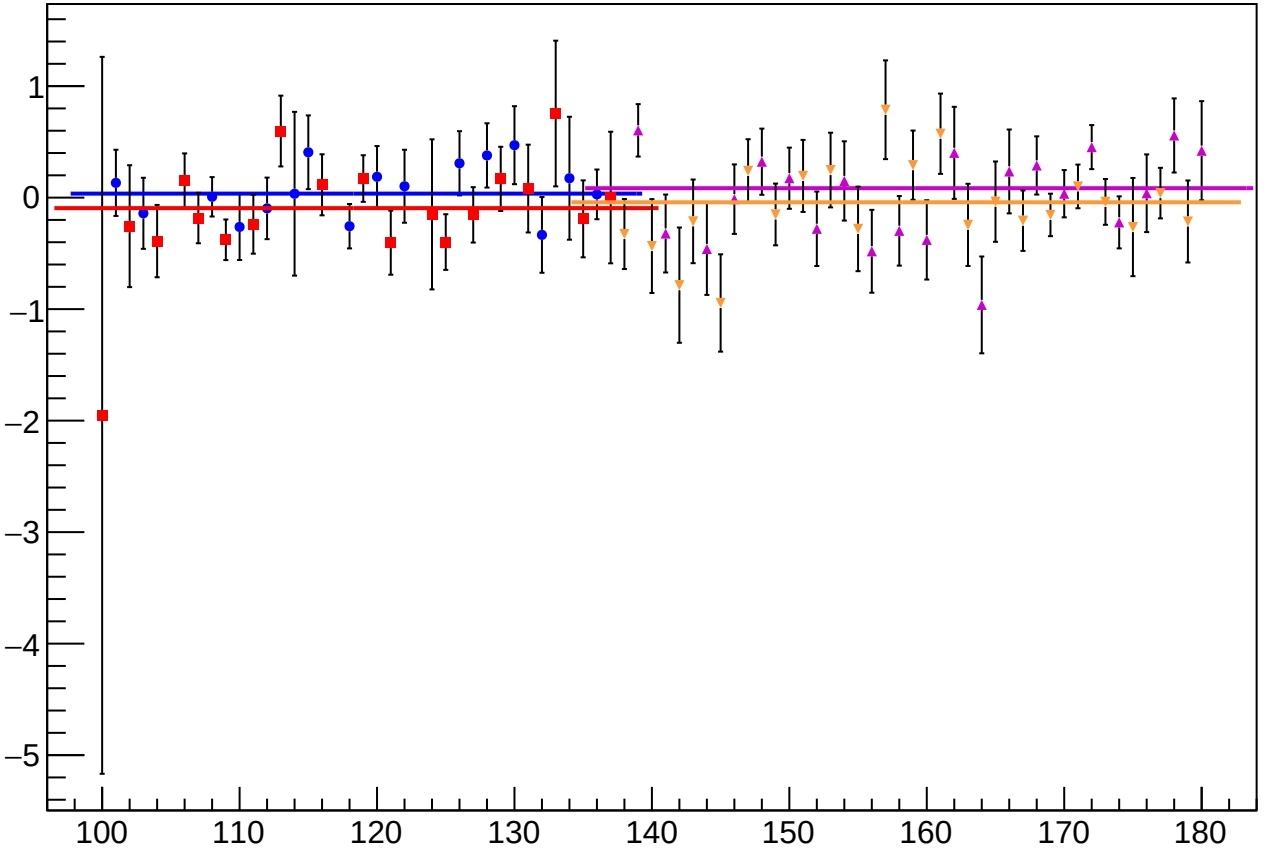
Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.281+/-0.034 χ^2/NDF:4075797.6/36

Out: 212.898+/-0.033 χ^2/NDF:5606141.3/40

All: 217.427+/-0.024 χ^2/NDF: 9721266.6/77

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.066 χ^2/NDF:30.6/20

Left: 0.020+/-0.046 χ^2/NDF: 53.3/42

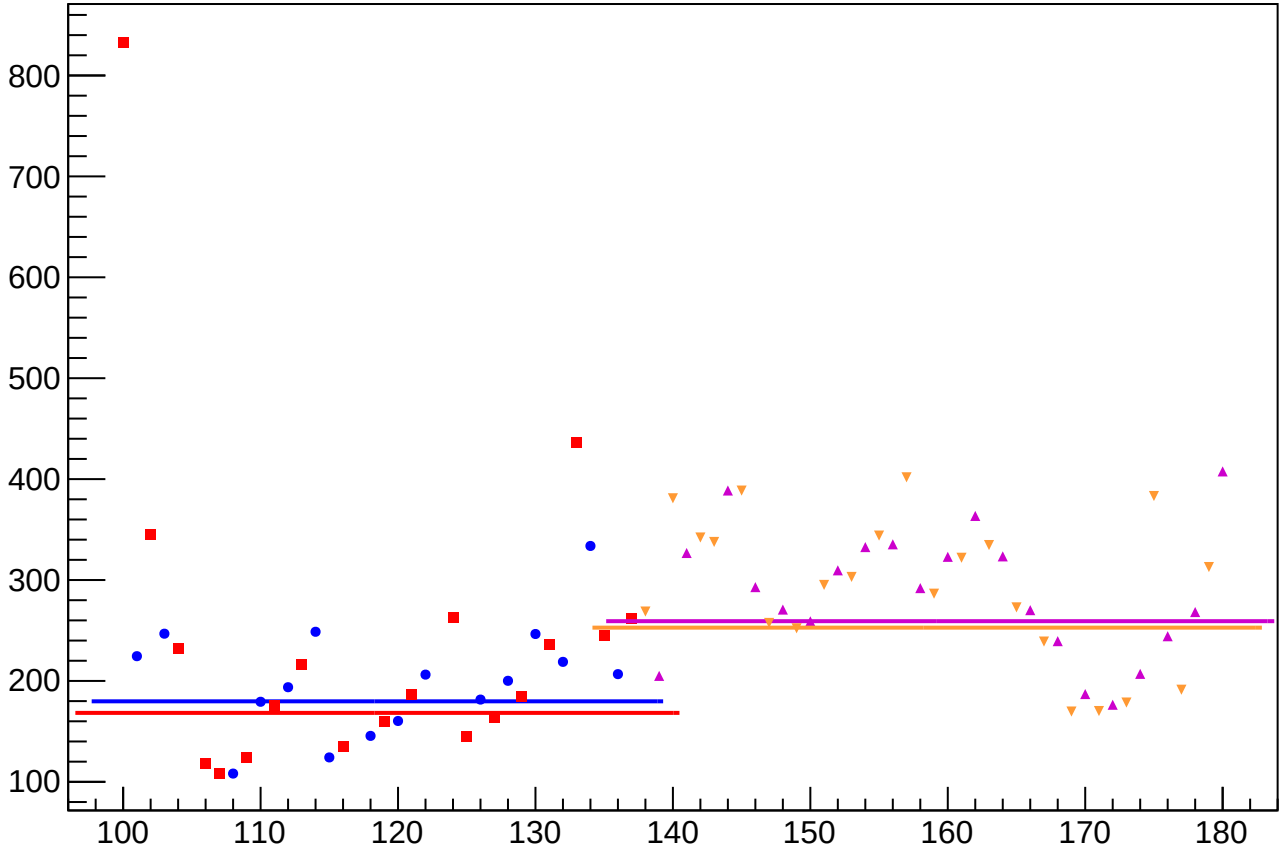
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.062+/-0.048 χ^2/NDF:41.4/36

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.005+/-0.033 χ^2/NDF: 83.8/77

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: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 259.218+/-0.047 χ^2/NDF:1802520.2/20

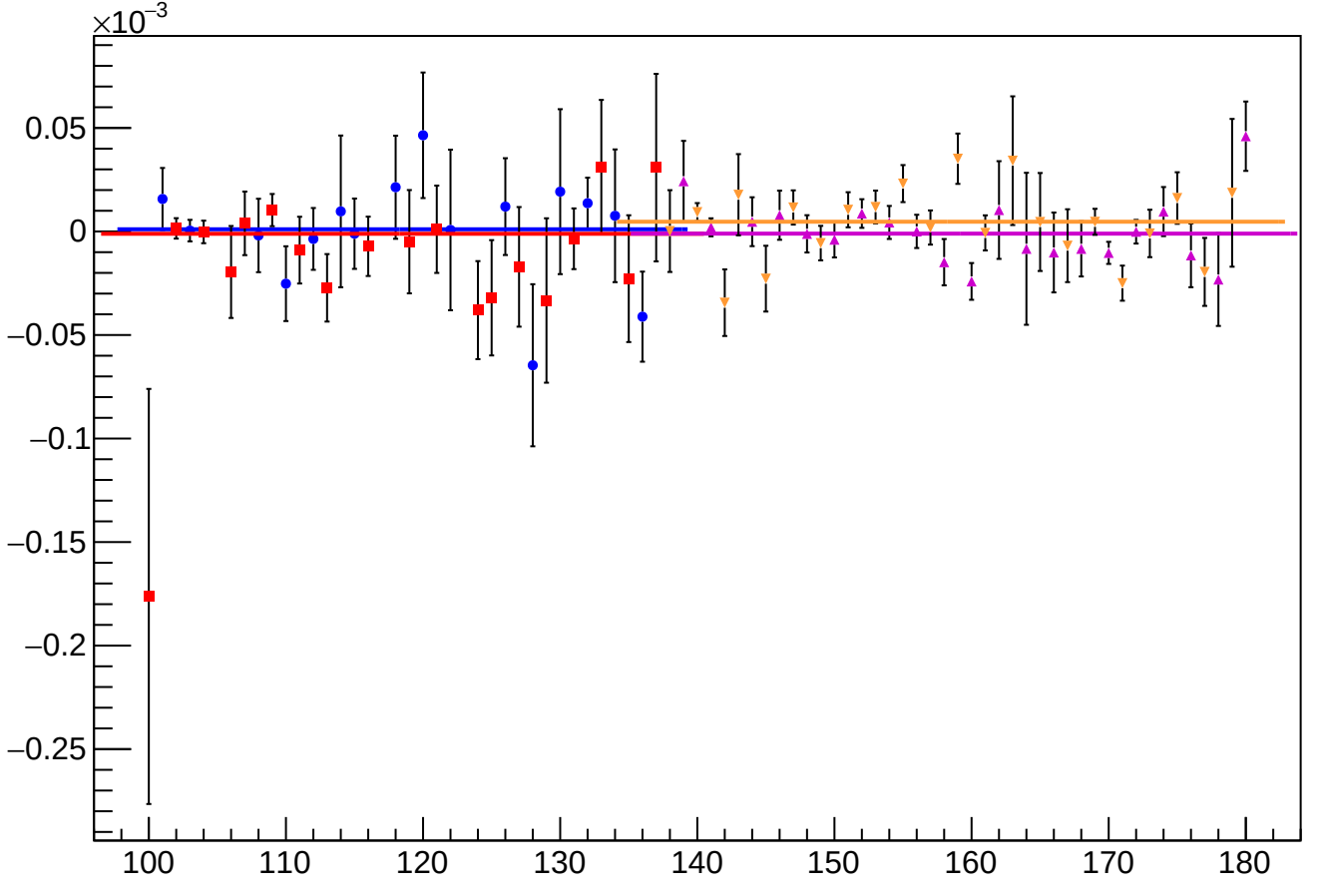
Left: 255.926+/-0.032 χ^2/NDF: 4363144.4/42

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.281+/-0.034 χ^2/NDF:4075797.6/36

Out: 212.898+/-0.033 χ^2/NDF:5606141.3/40

All: 217.427+/-0.024 χ^2/NDF: 9721266.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

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

Left In: -0.000+/-0.000 χ^2/NDF:27.8/20

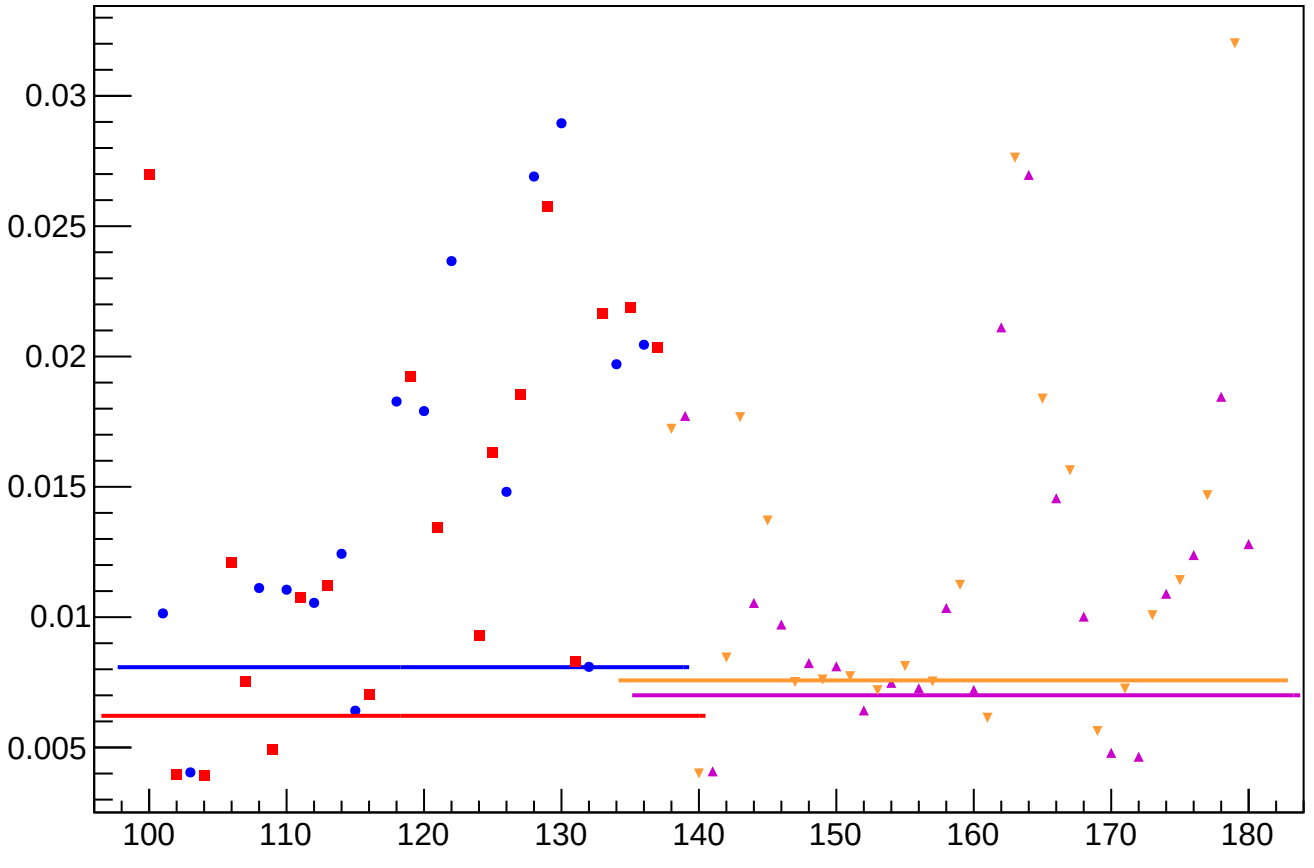
Left: 0.000+/-0.000 χ^2/NDF: 74.0/42

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:42.4/36

Out: 0.000+/-0.000 χ^2/NDF:60.9/40

All: 0.000+/-0.000 χ^2/NDF: 105.1/77



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:6363090.8/21

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:5688344.0/20

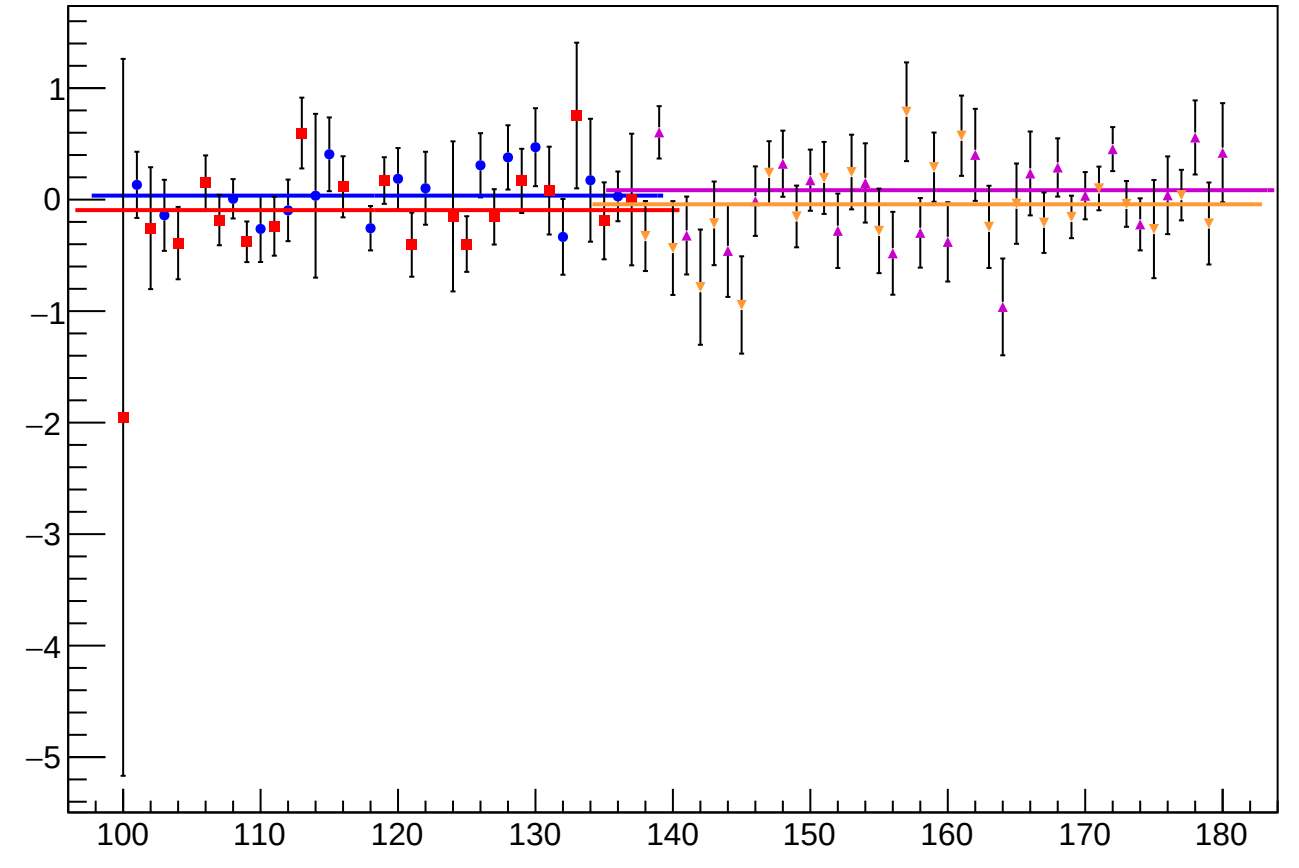
Left: 0.007+/-0.000 χ^2/NDF: 12132717.0/42

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:10233877.9/36

Out: 0.007+/-0.000 χ^2/NDF:11228011.5/40

All: 0.007+/-0.000 χ^2/NDF: 21468241.3/77



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.066 χ^2/NDF:30.6/20

Left: 0.020+/-0.046 χ^2/NDF: 53.3/42

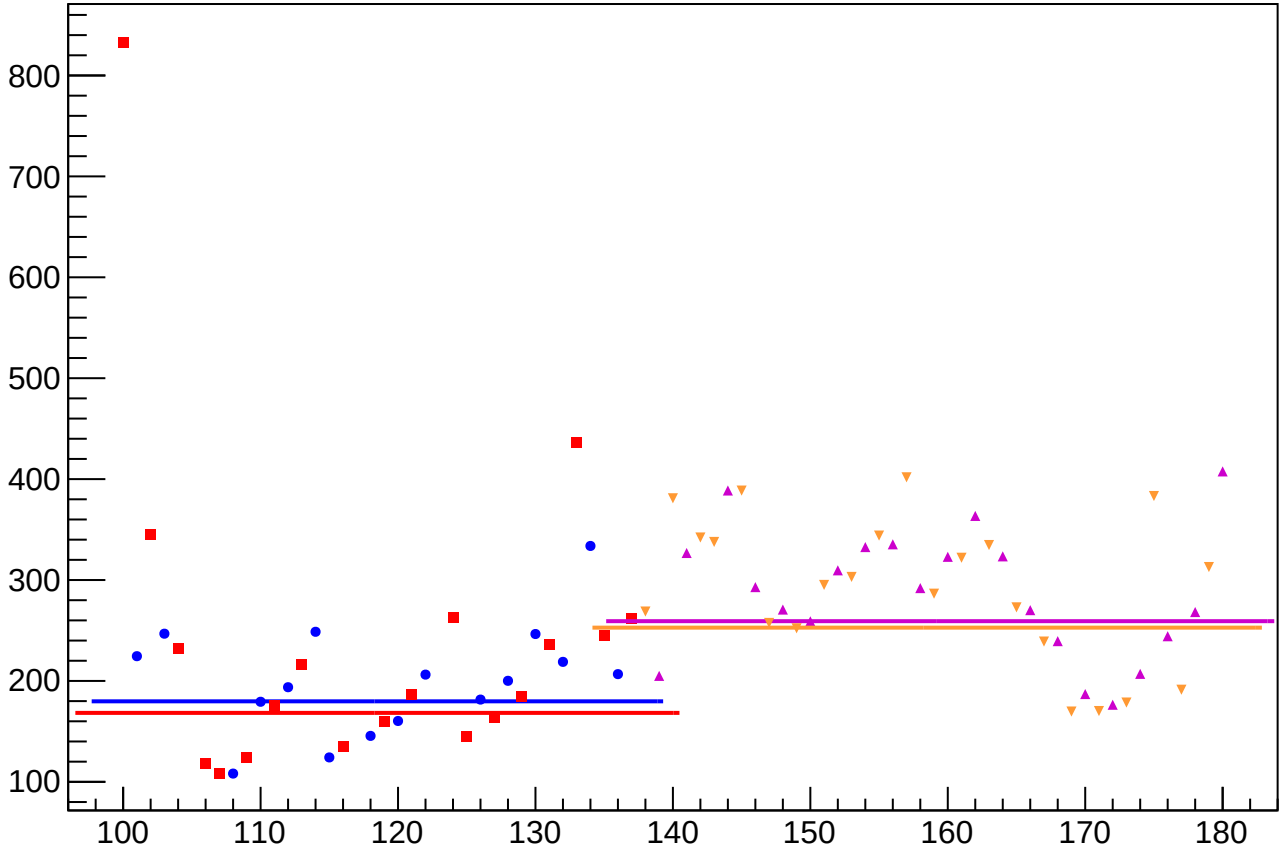
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.062+/-0.048 χ^2/NDF:41.4/36

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.005+/-0.033 χ^2/NDF: 83.8/77

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: 252.813+/-0.045 χ^2/NDF:2551004.9/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

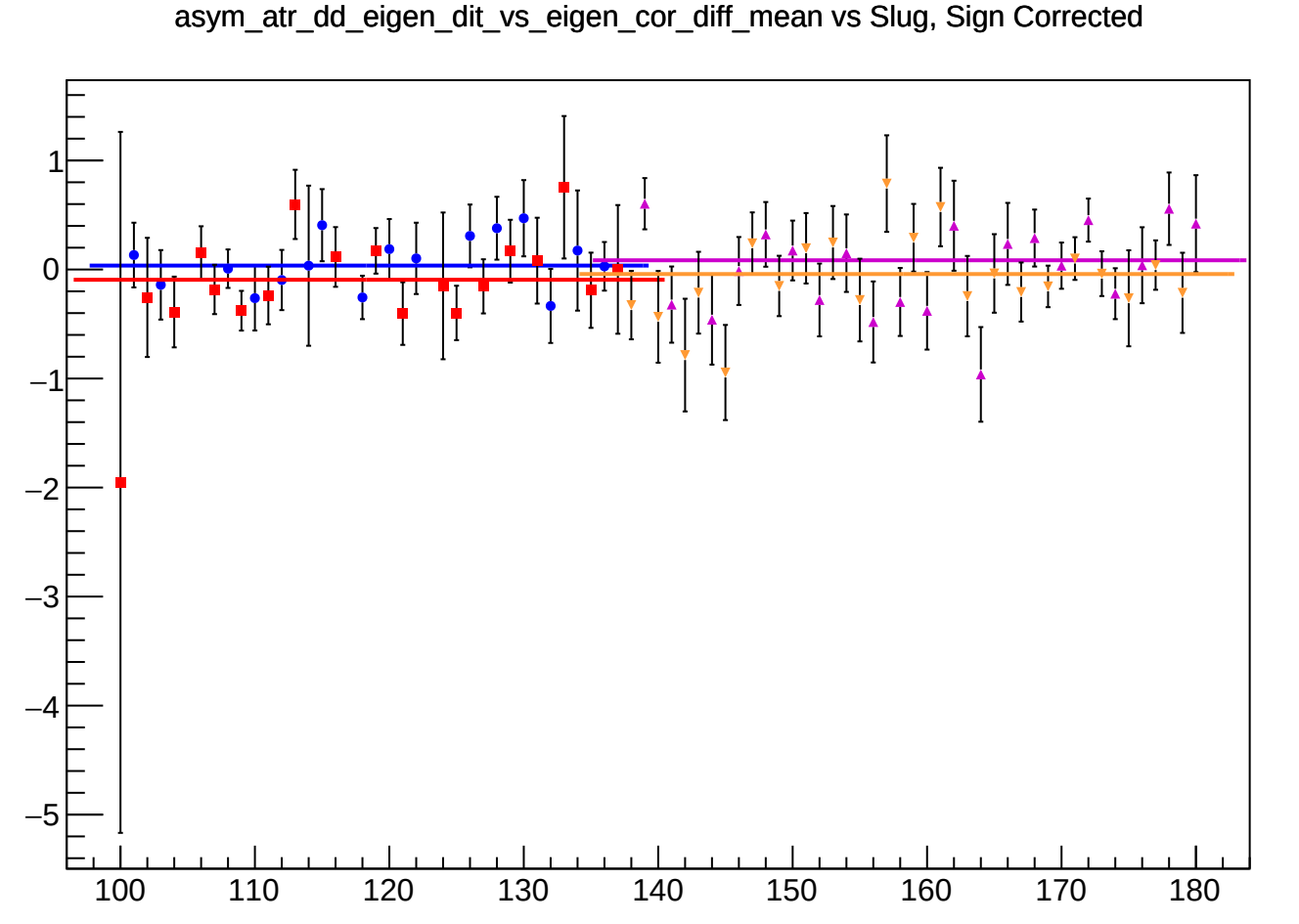
Left: 255.928+/-0.032 χ^2/NDF: 4363313.4/42

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.281+/-0.034 χ^2/NDF:4076065.7/36

Out: 212.898+/-0.033 χ^2/NDF:5606319.3/40

All: 217.427+/-0.024 χ^2/NDF: 9721702.4/77



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.066 χ^2/NDF:30.6/20

Left: 0.020+/-0.046 χ^2/NDF: 53.3/42

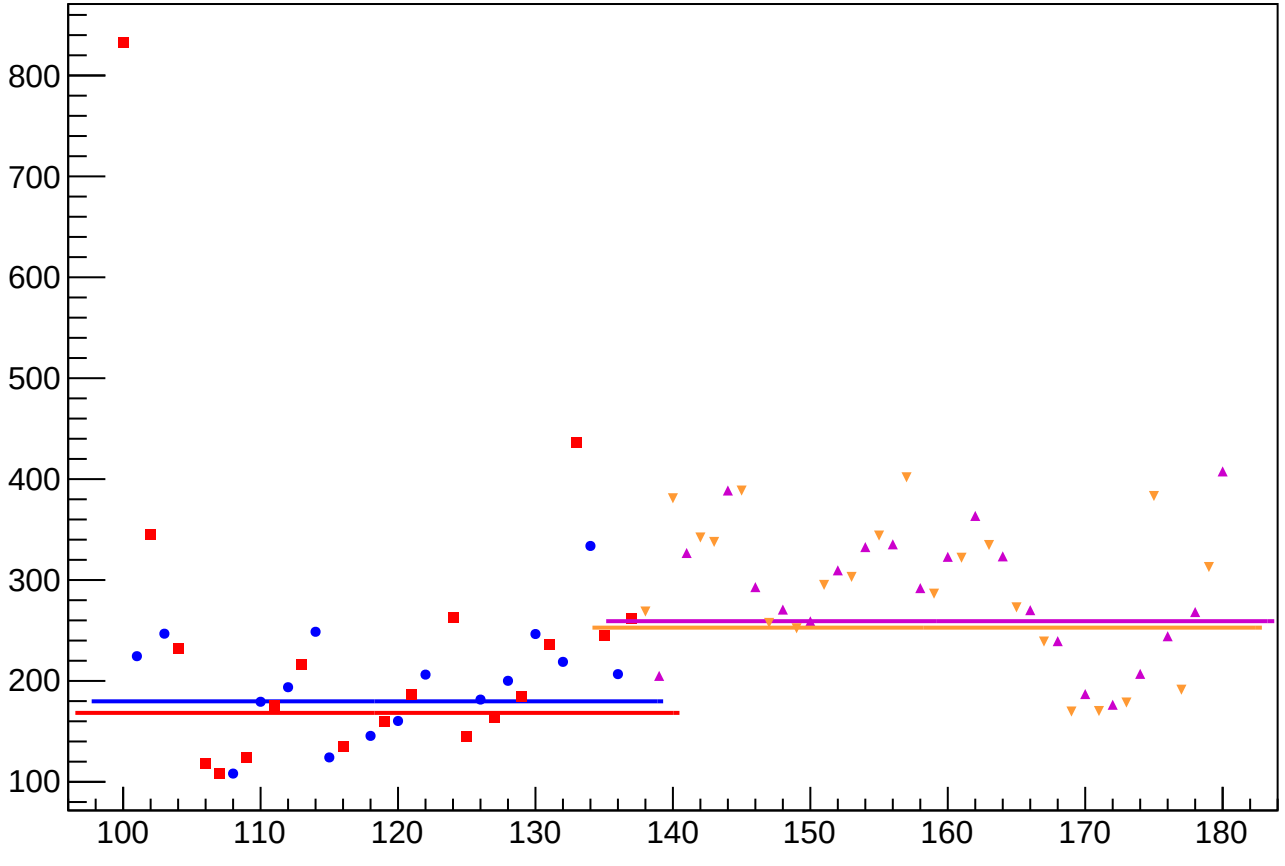
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.062+/-0.048 χ^2/NDF:41.4/36

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.005+/-0.033 χ^2/NDF: 83.8/77

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: 252.813+/-0.045 χ^2/NDF:2551004.9/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 259.220+/-0.047 χ^2/NDF:1802566.8/20

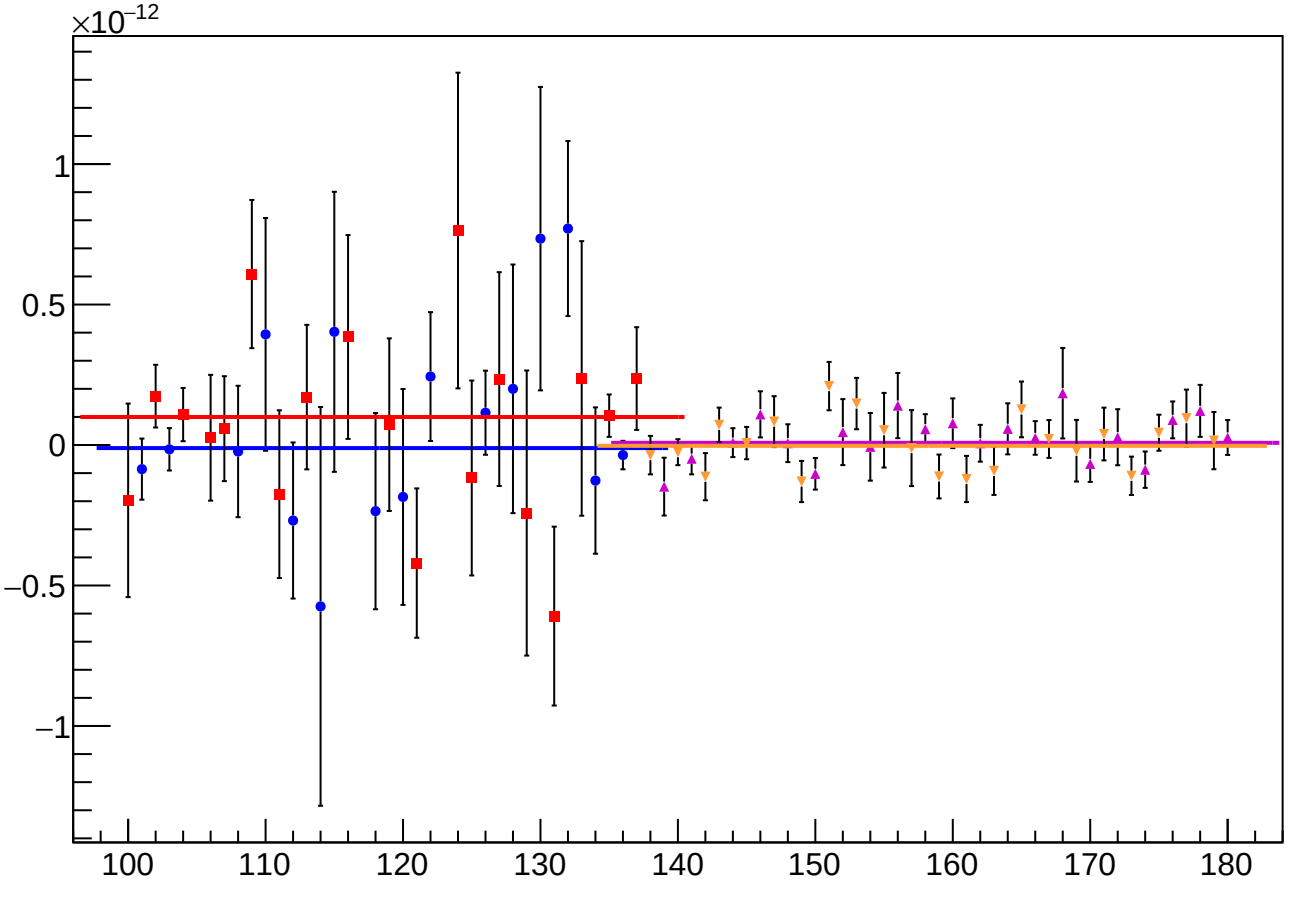
Left: 255.928+/-0.032 χ^2/NDF: 4363313.4/42

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.281+/-0.034 χ^2/NDF:4076065.7/36

Out: 212.898+/-0.033 χ^2/NDF:5606319.3/40

All: 217.427+/-0.024 χ^2/NDF: 9721702.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/20

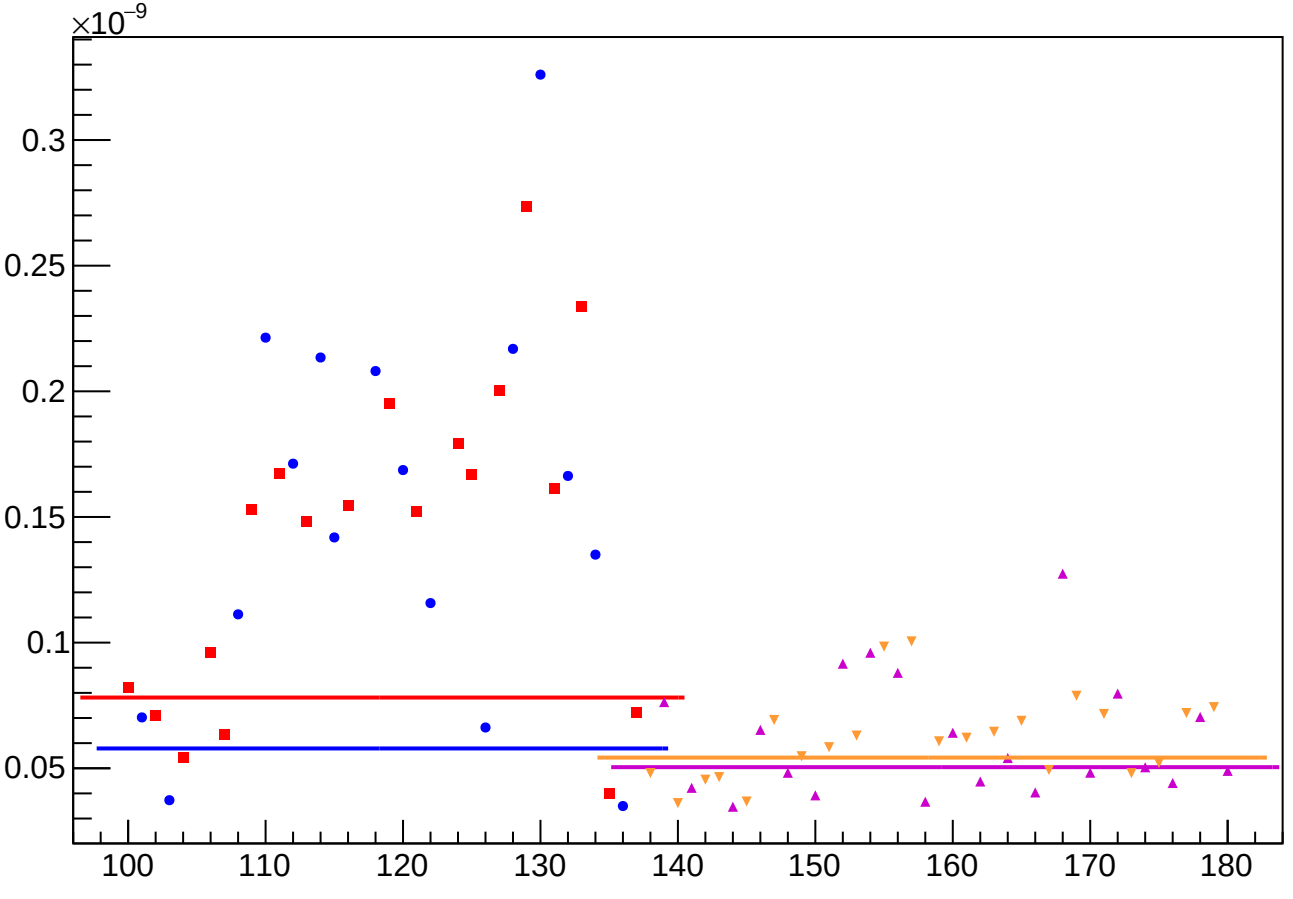
Left: 0.000+/-0.000 χ^2/NDF: 47.8/42

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:35.2/36

Out: 0.000+/-0.000 χ^2/NDF:51.3/40

All: 0.000+/-0.000 χ^2/NDF: 86.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1536267.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2246082.0/20

Left: 0.000+/-0.000 χ^2/NDF: 3838327.4/42

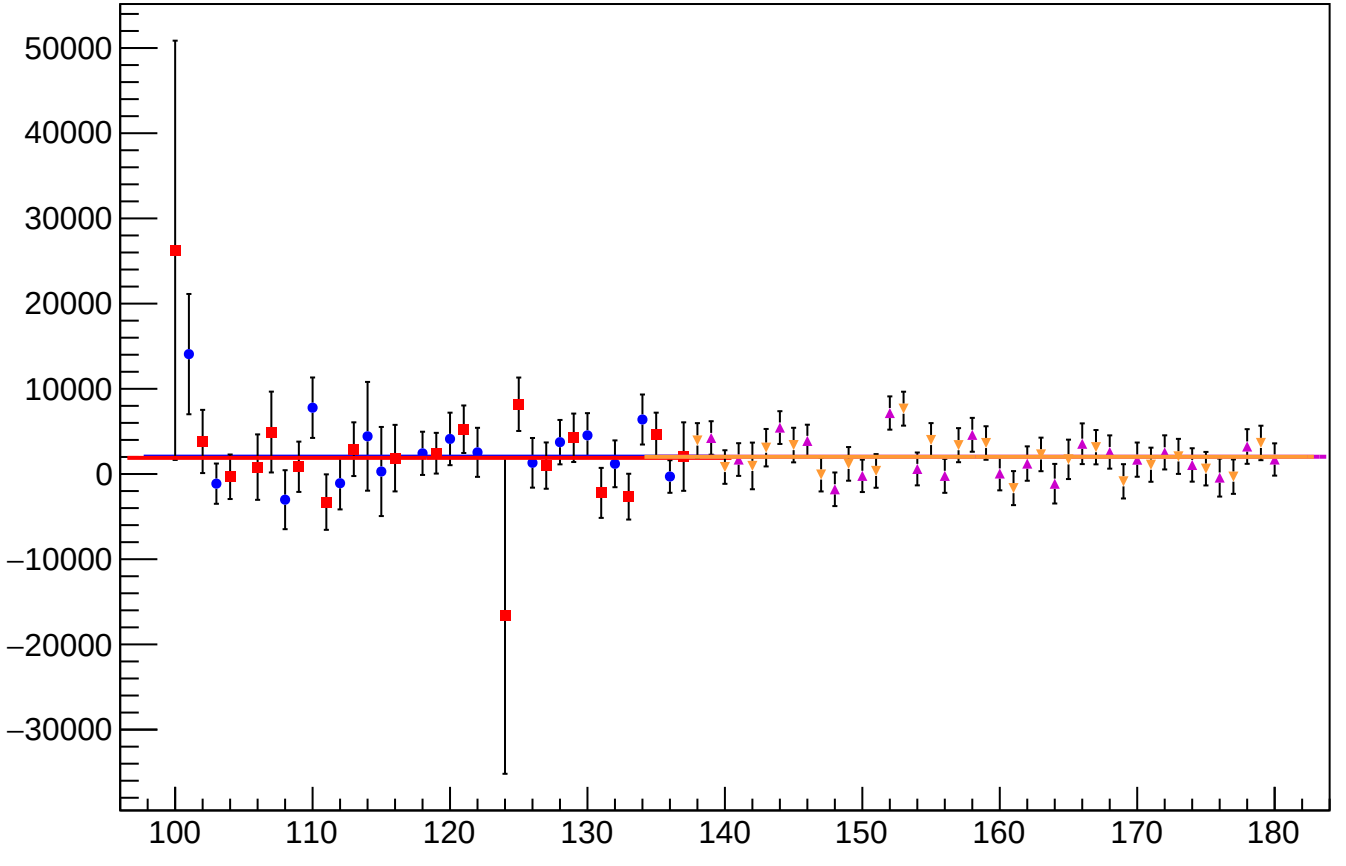
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5643414.1/36

Out: 0.000+/-0.000 χ^2/NDF:4826534.8/40

All: 0.000+/-0.000 χ^2/NDF: 10619386.6/77

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.654+/-435.049 χ^2/NDF:22.7/21

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2027.483+/-436.546 χ^2/NDF:26.3/20

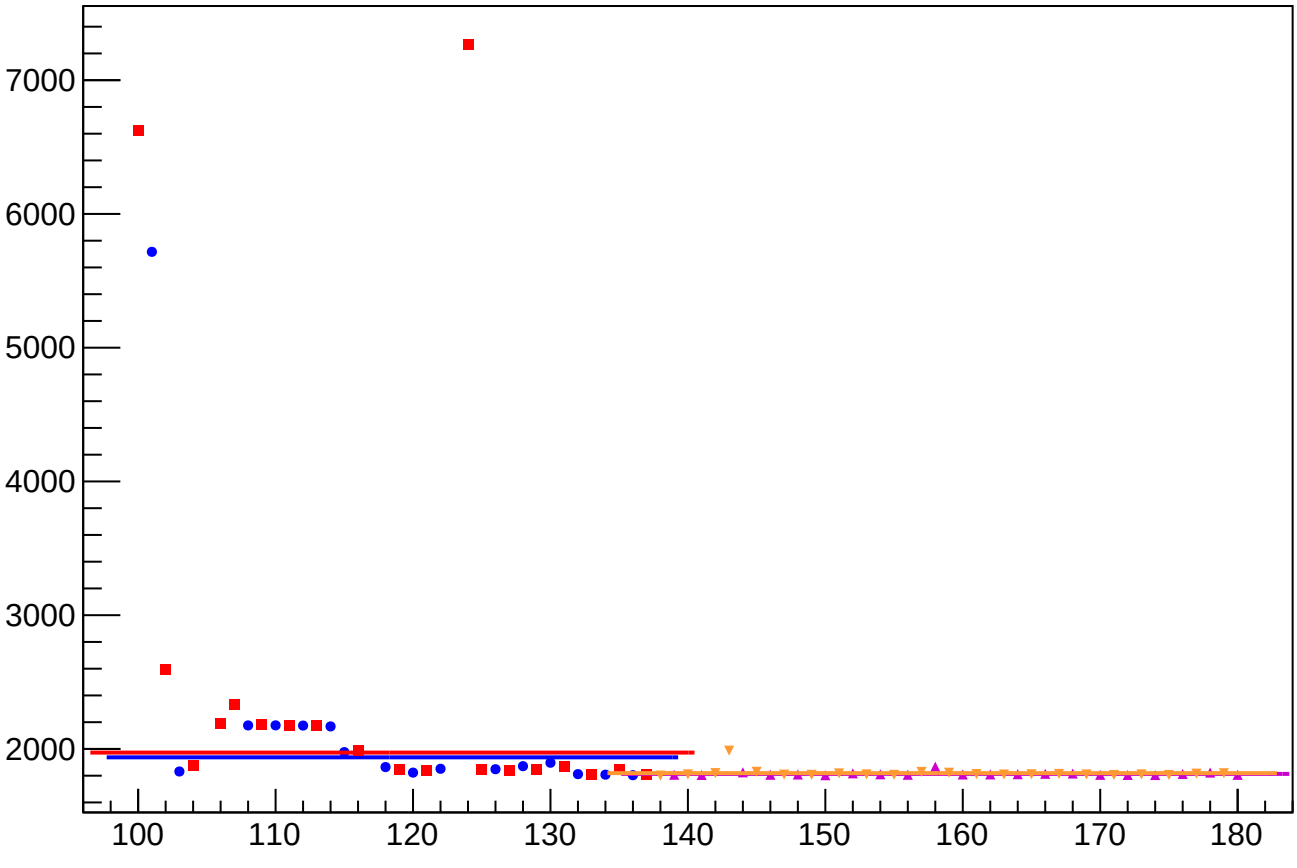
Left: 2023.054+/-308.154 χ^2/NDF: 49.1/42

Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2030.534+/-375.496 χ^2/NDF:42.8/36

Out: 1986.748+/-374.614 χ^2/NDF:41.3/40

All: 2008.590+/-265.203 χ^2/NDF: 84.0/77



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

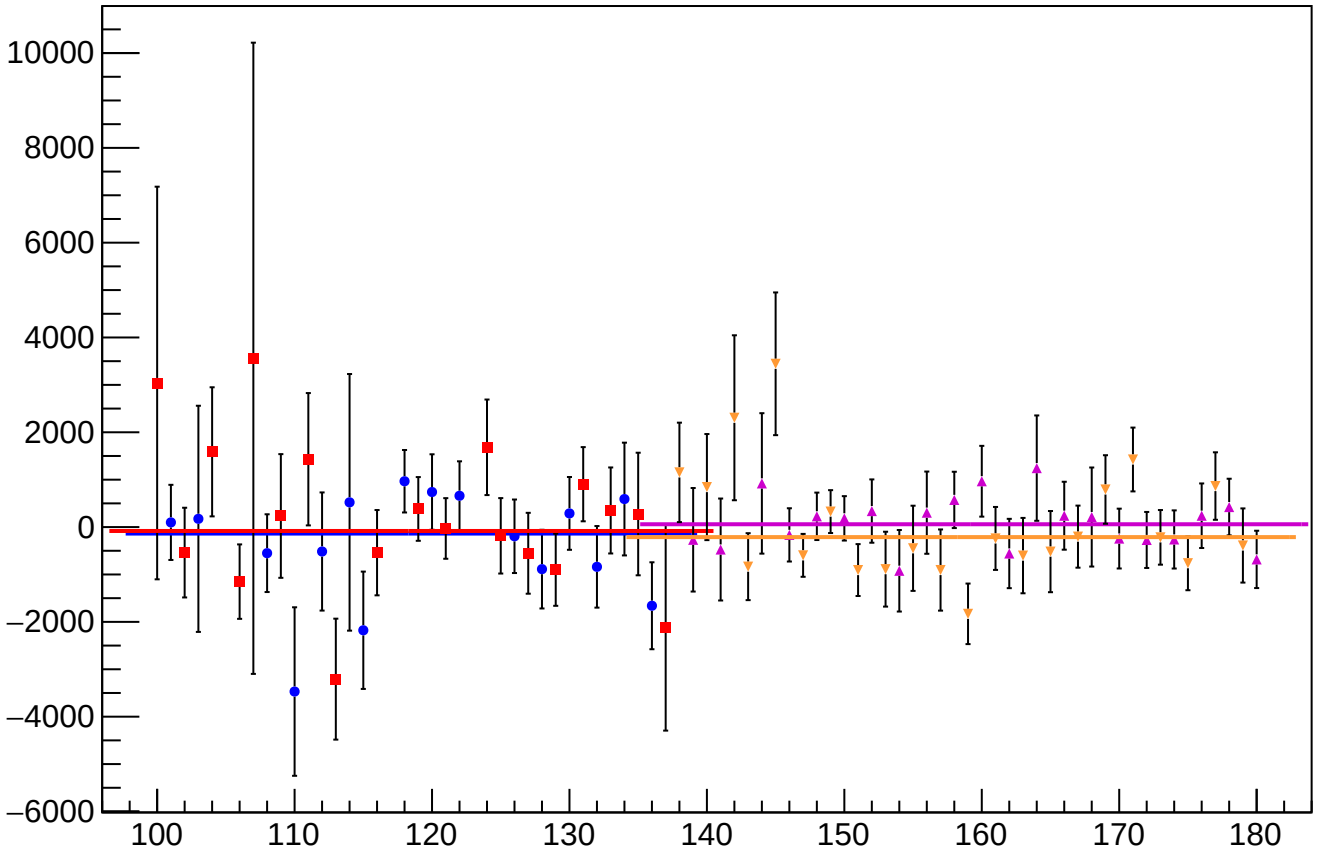
Left: 1816.248+/-0.218 χ^2/NDF: 14731.5/42

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1845.581+/-0.266 χ^2/NDF:681904.3/36

Out: 1858.846+/-0.265 χ^2/NDF:454675.2/40

All: 1852.229+/-0.188 χ^2/NDF: 1137830.3/77



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -211.599+/-148.061 χ^2/NDF:34.5/21

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 59.623+/-149.568 χ^2/NDF:9.5/20

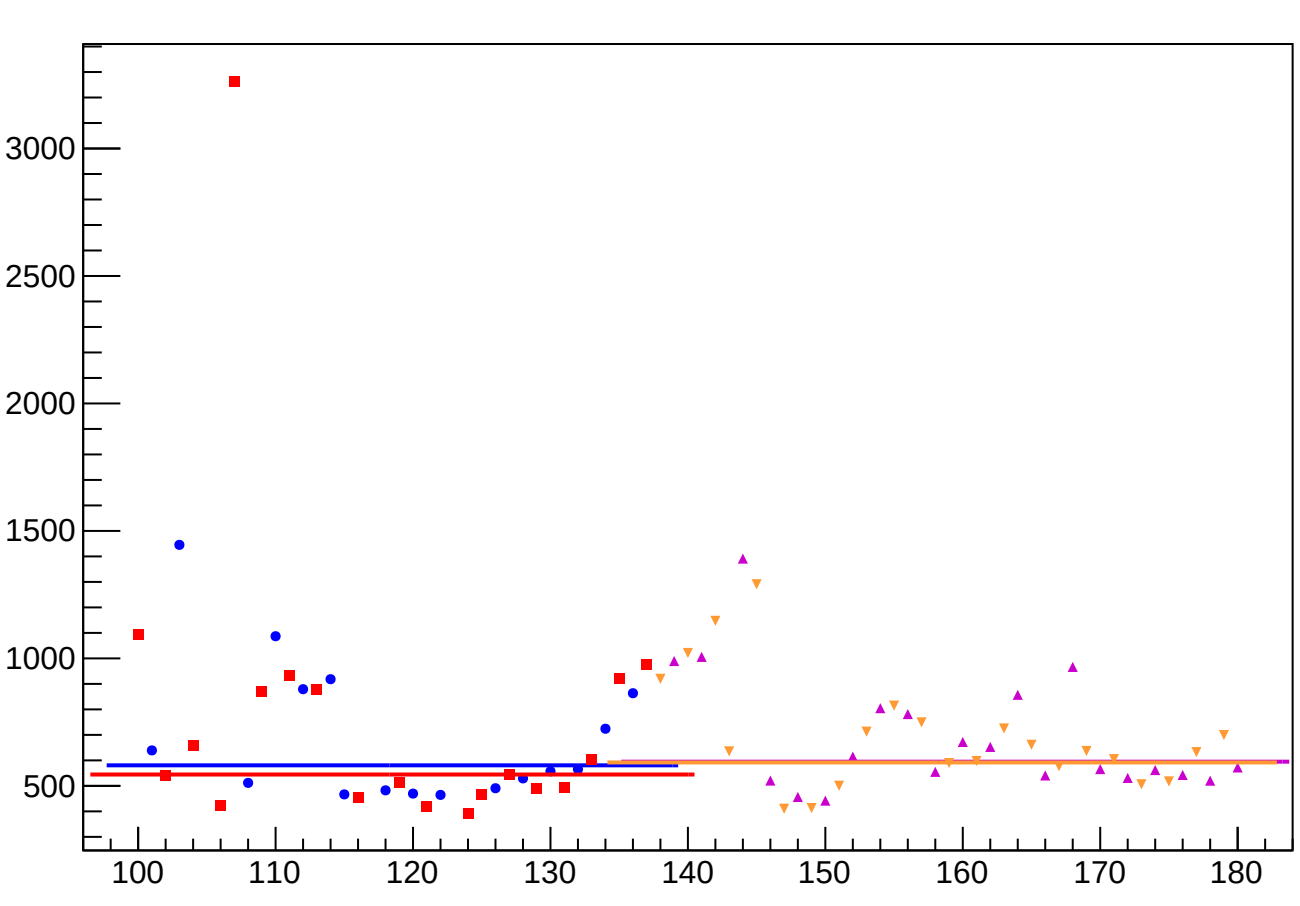
Left: -77.361+/-105.224 χ^2/NDF: 45.6/42

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 1.445+/-125.457 χ^2/NDF:26.9/36

Out: -171.795+/-123.182 χ^2/NDF:54.5/40

All: -86.760+/-87.896 χ^2/NDF: 82.3/77



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 591.890+/-0.105 χ^2/NDF:2261771.7/21

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 594.909+/-0.106 χ^2/NDF:2243790.0/20

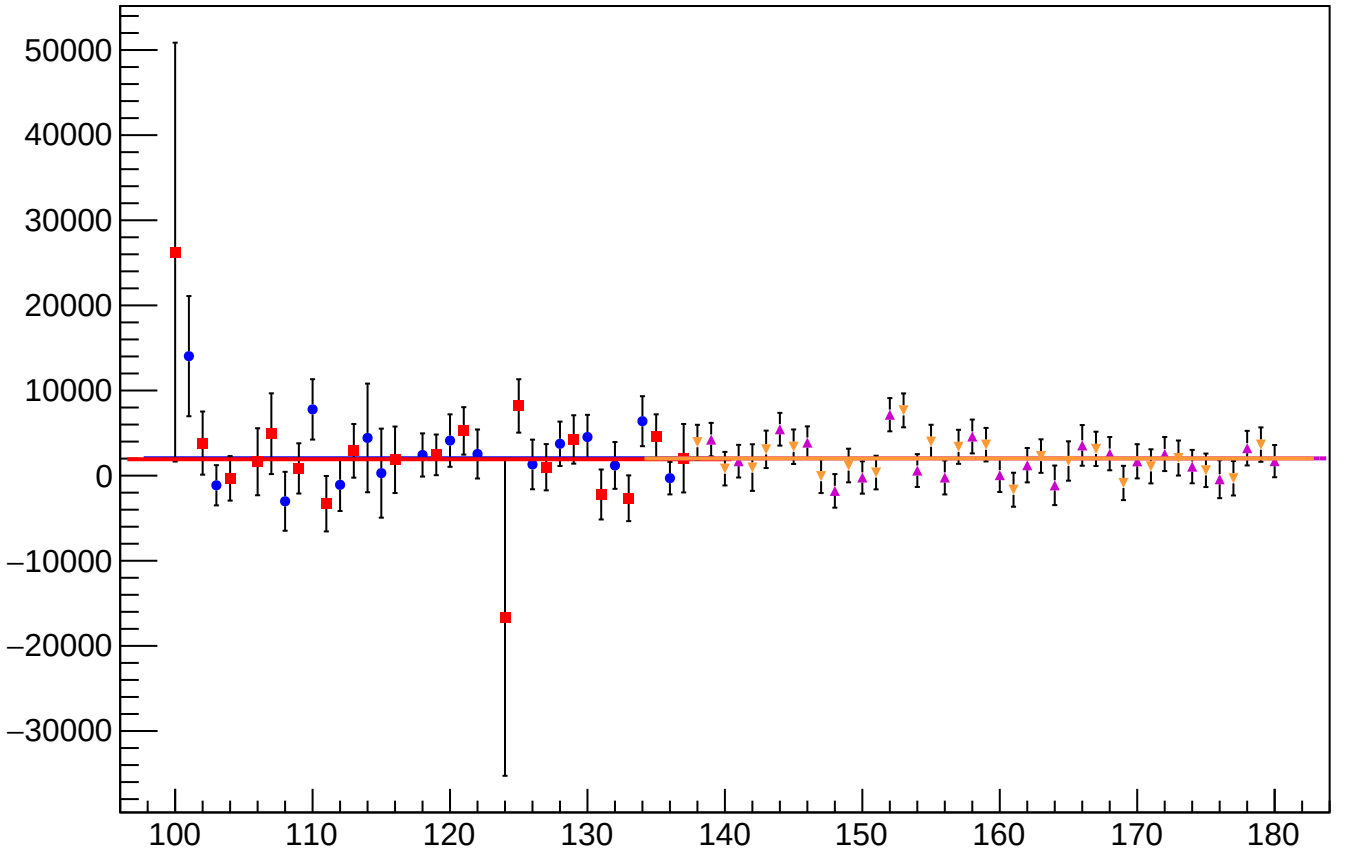
Left: 593.384+/-0.074 χ^2/NDF: 4505973.2/42

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 590.671+/-0.089 χ^2/NDF:3252618.6/36

Out: 577.311+/-0.087 χ^2/NDF:3612405.5/40

All: 583.869+/-0.062 χ^2/NDF: 6876571.4/77



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2027.582+/-436.546 χ^2/NDF:26.3/20

Left: 2023.088+/-308.154 χ^2/NDF: 49.1/42

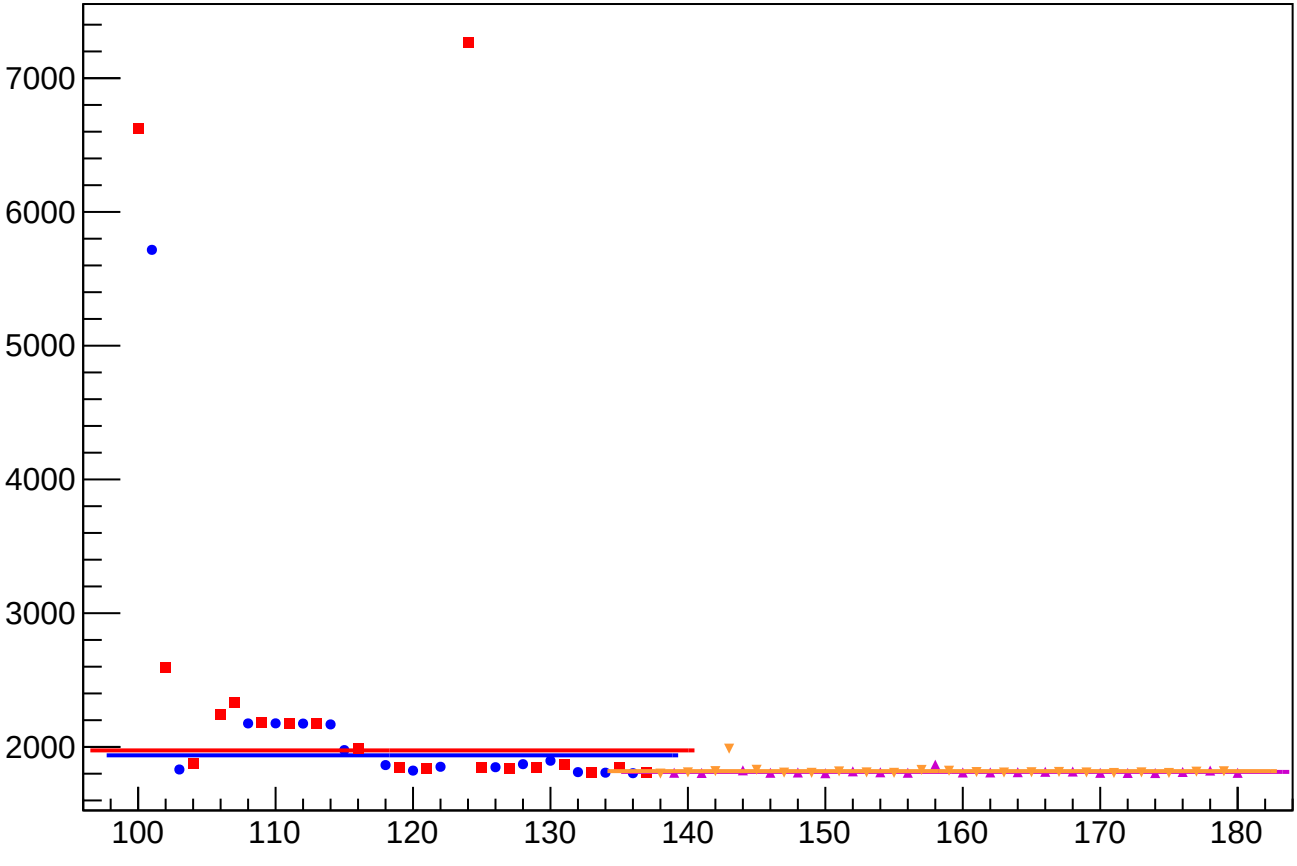
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2030.511+/-375.496 χ^2/NDF:42.8/36

Out: 1994.777+/-374.699 χ^2/NDF:41.2/40

All: 2012.606+/-265.233 χ^2/NDF: 83.9/77

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

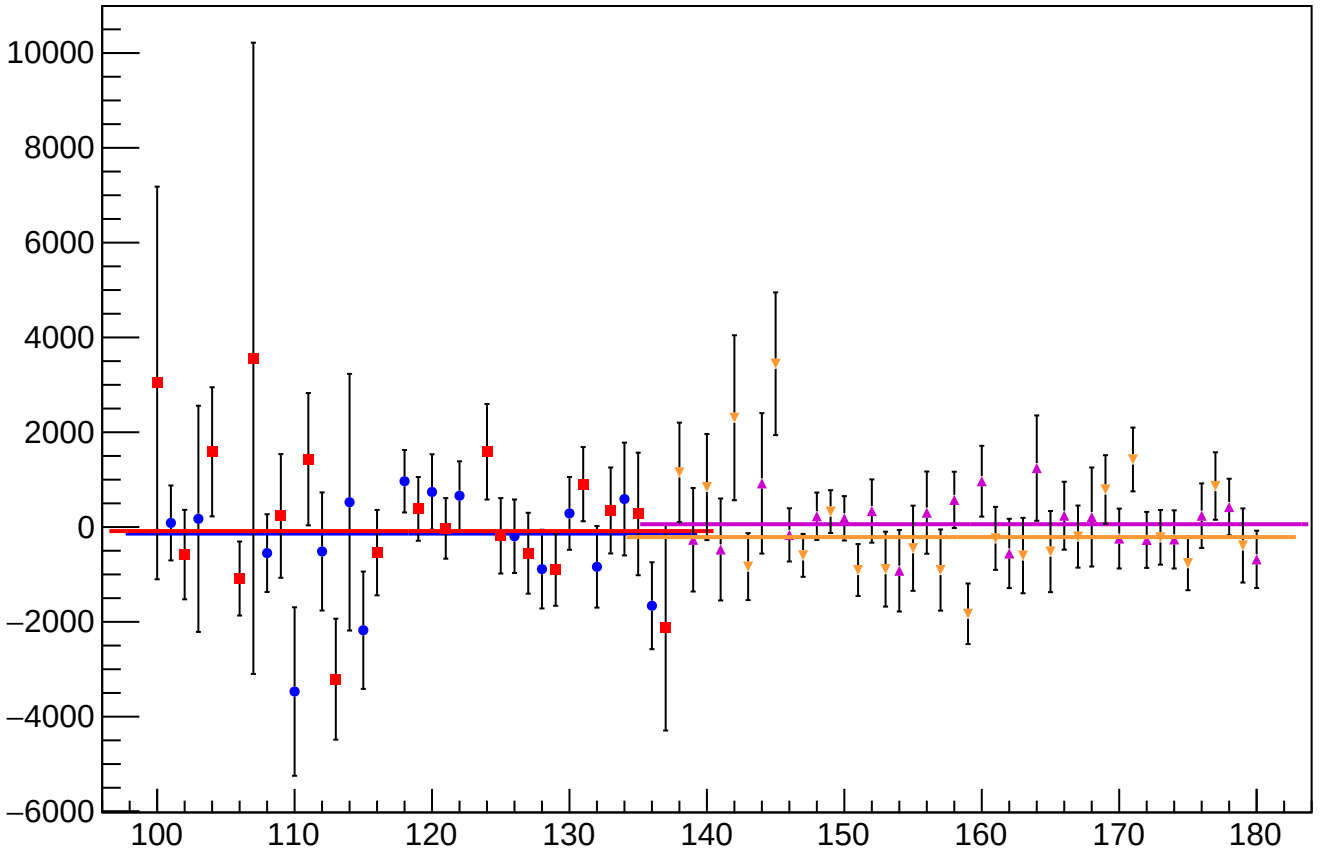
Left: 1816.248+/-0.218 χ^2/NDF: 14731.5/42

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1845.581+/-0.266 χ^2/NDF:681904.2/36

Out: 1859.154+/-0.265 χ^2/NDF:458659.1/40

All: 1852.382+/-0.188 χ^2/NDF: 1141872.7/77



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 59.674+/-149.569 χ^2/NDF:9.5/20

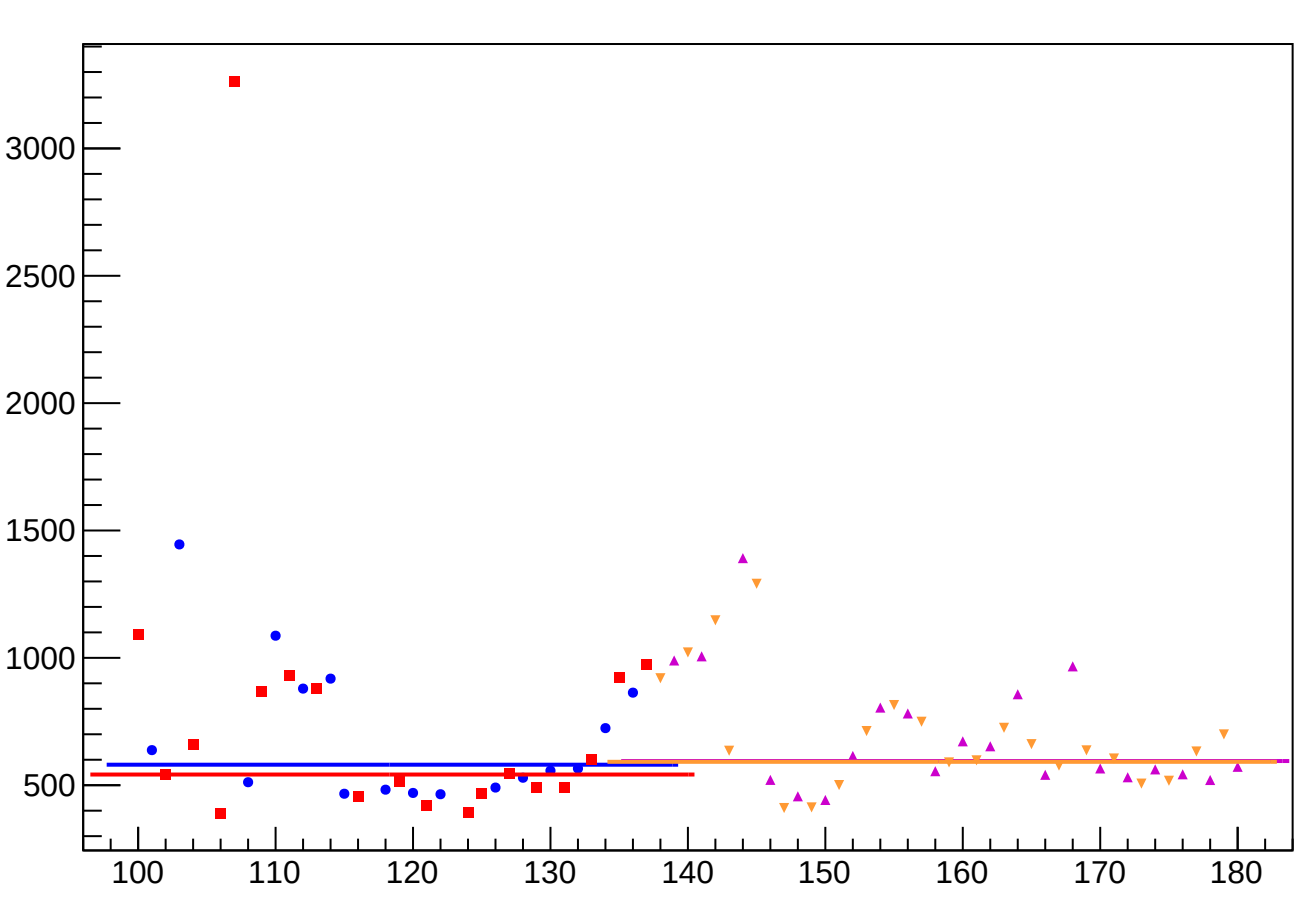
Left: -77.373+/-105.224 χ^2/NDF: 45.6/42

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 1.212+/-125.450 χ^2/NDF:26.9/36

Out: -172.627+/-123.158 χ^2/NDF:54.0/40

All: -87.310+/-87.885 χ^2/NDF: 81.8/77



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

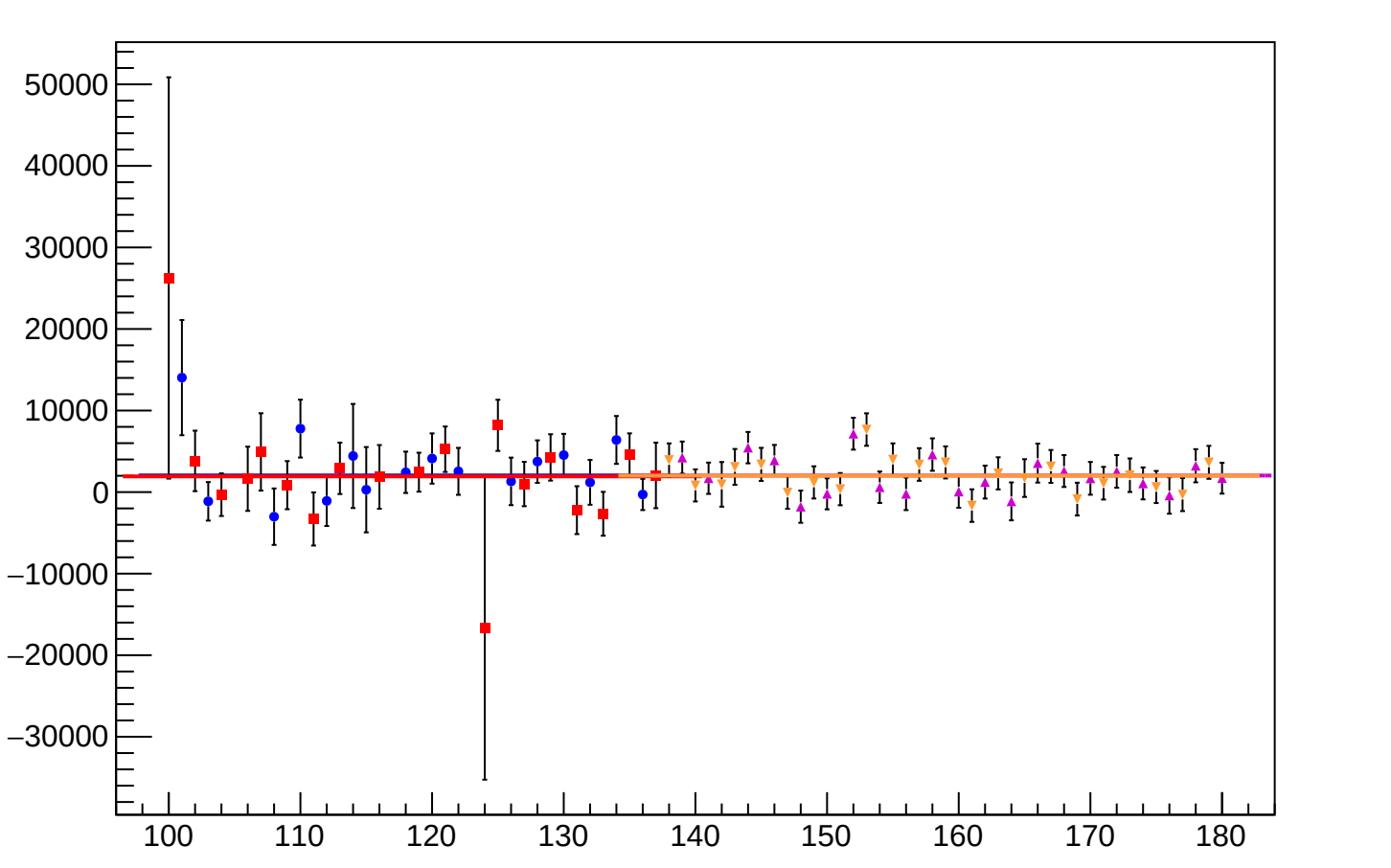
Left: 593.387+/-0.074 χ^2/NDF: 4506131.5/42

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 590.647+/-0.089 χ^2/NDF:3252206.5/36

Out: 576.499+/-0.087 χ^2/NDF:3650886.2/40

All: 583.442+/-0.062 χ^2/NDF: 6916045.5/77



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2027.582+/-436.546 χ^2/NDF:26.3/20

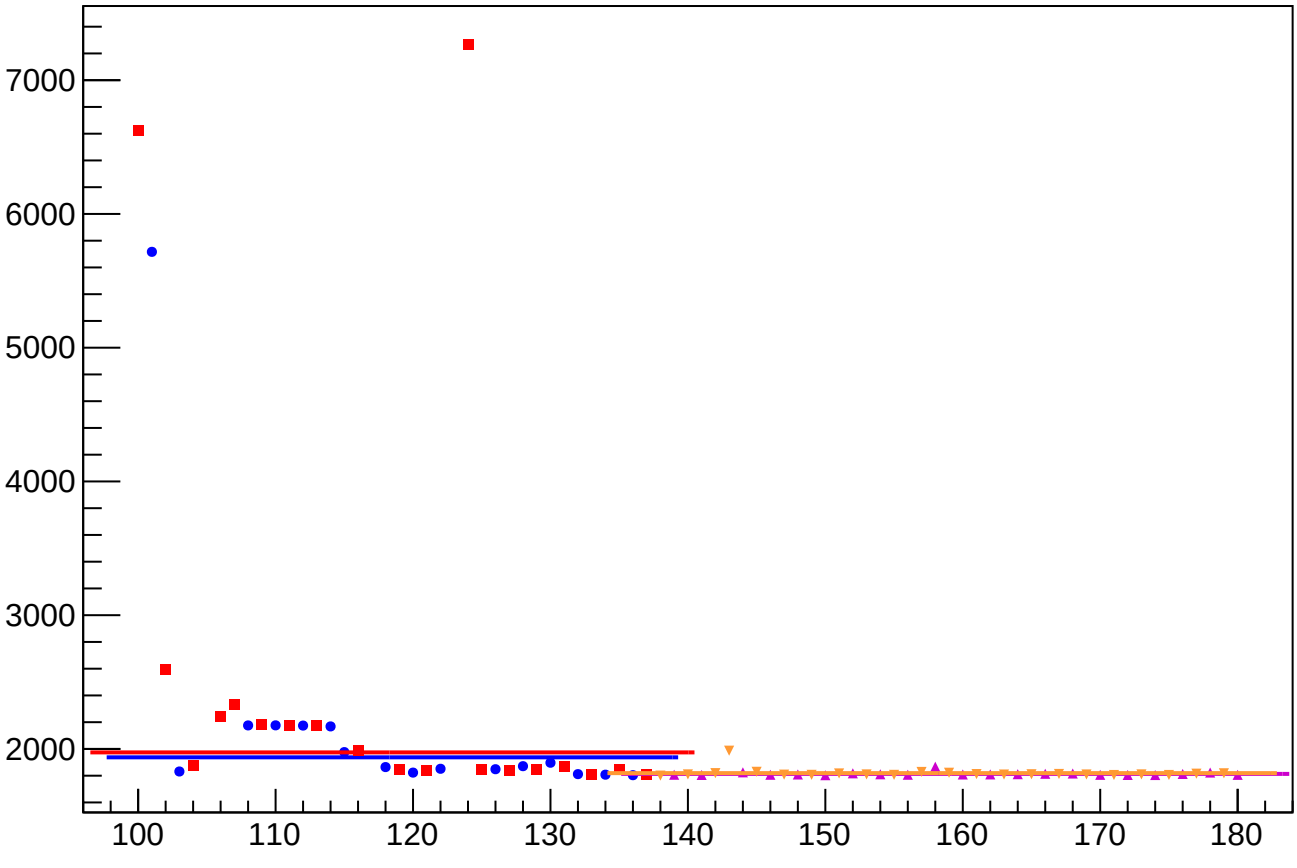
Left: 2023.088+/-308.154 χ^2/NDF: 49.1/42

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2030.511+/-375.496 χ^2/NDF:42.8/36

Out: 1994.777+/-374.699 χ^2/NDF:41.2/40

All: 2012.606+/-265.233 χ^2/NDF: 83.9/77



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.349+/-0.309 χ^2/NDF:1900.3/20

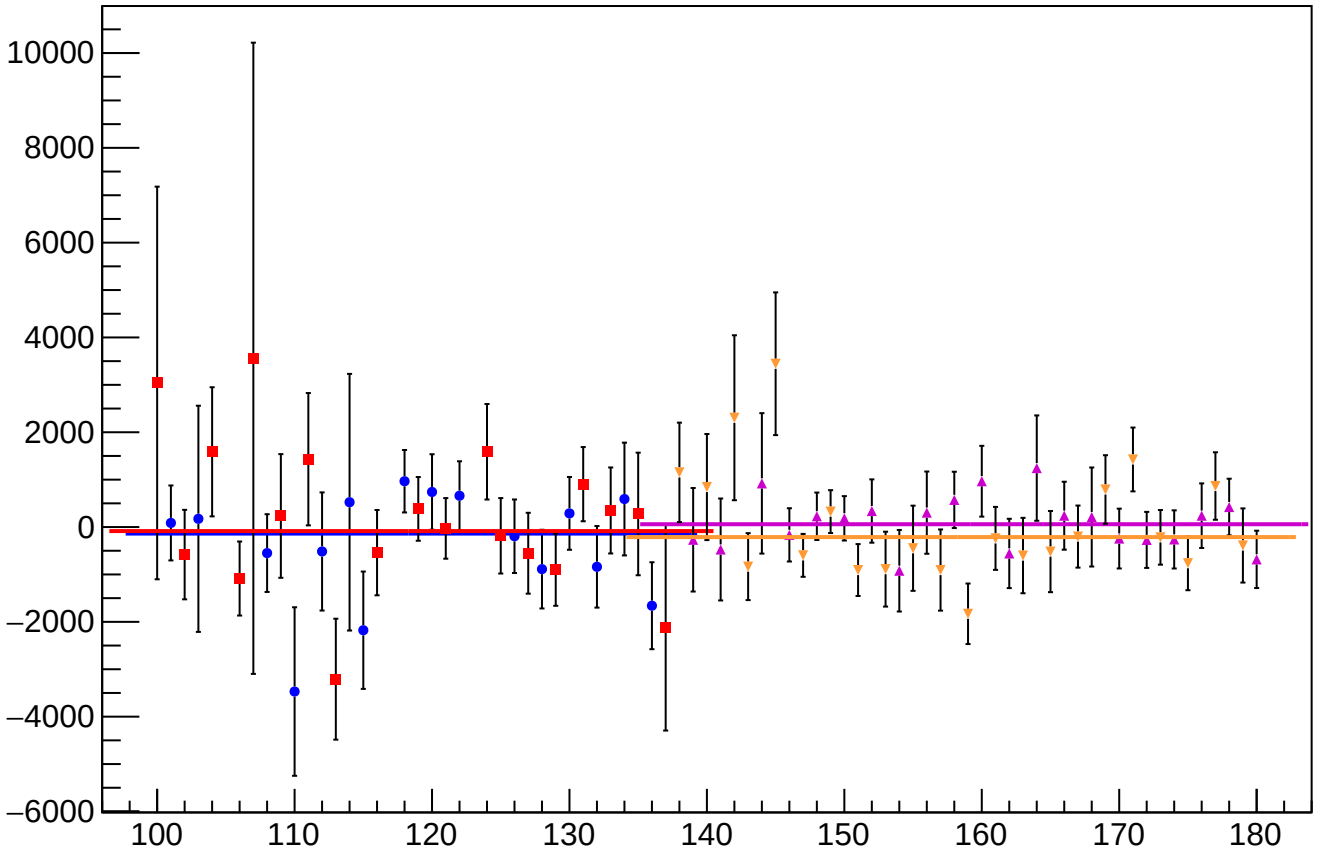
Left: 1816.248+/-0.218 χ^2/NDF: 14731.5/42

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1845.581+/-0.266 χ^2/NDF:681904.2/36

Out: 1859.154+/-0.265 χ^2/NDF:458659.1/40

All: 1852.382+/-0.188 χ^2/NDF: 1141872.7/77



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 59.674+/-149.569 χ^2/NDF:9.5/20

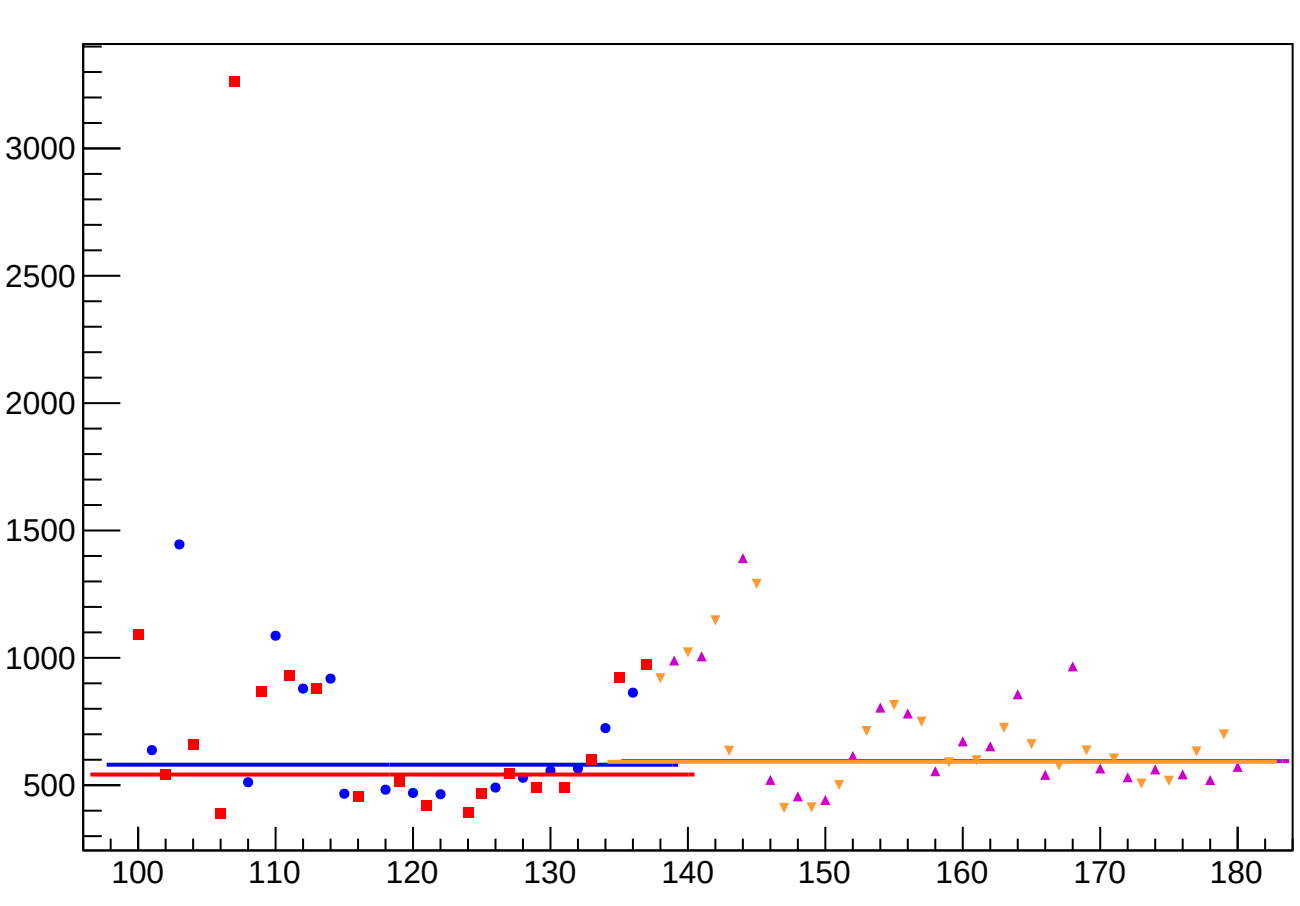
Left: -77.373+/-105.224 χ^2/NDF: 45.6/42

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 1.212+/-125.450 χ^2/NDF:26.9/36

Out: -172.627+/-123.158 χ^2/NDF:54.0/40

All: -87.310+/-87.885 χ^2/NDF: 81.8/77



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 594.916+/-0.106 χ^2/NDF:2243811.5/20

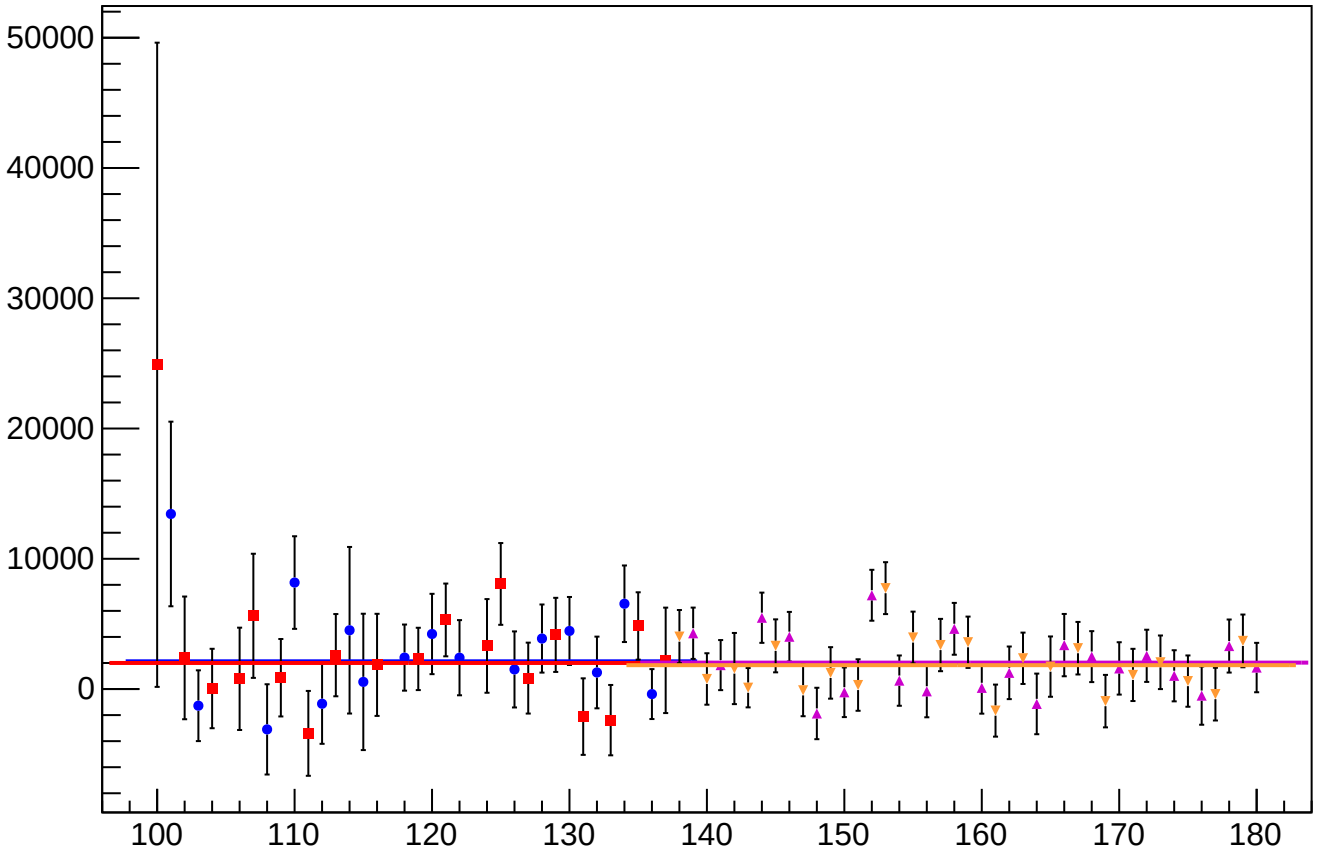
Left: 593.387+/-0.074 χ^2/NDF: 4506131.5/42

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 590.647+/-0.089 χ^2/NDF:3252206.5/36

Out: 576.499+/-0.087 χ^2/NDF:3650886.2/40

All: 583.442+/-0.062 χ^2/NDF: 6916045.5/77



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.426+/-426.232 χ^2/NDF:24.3/21

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2028.059+/-437.015 χ^2/NDF:26.8/20

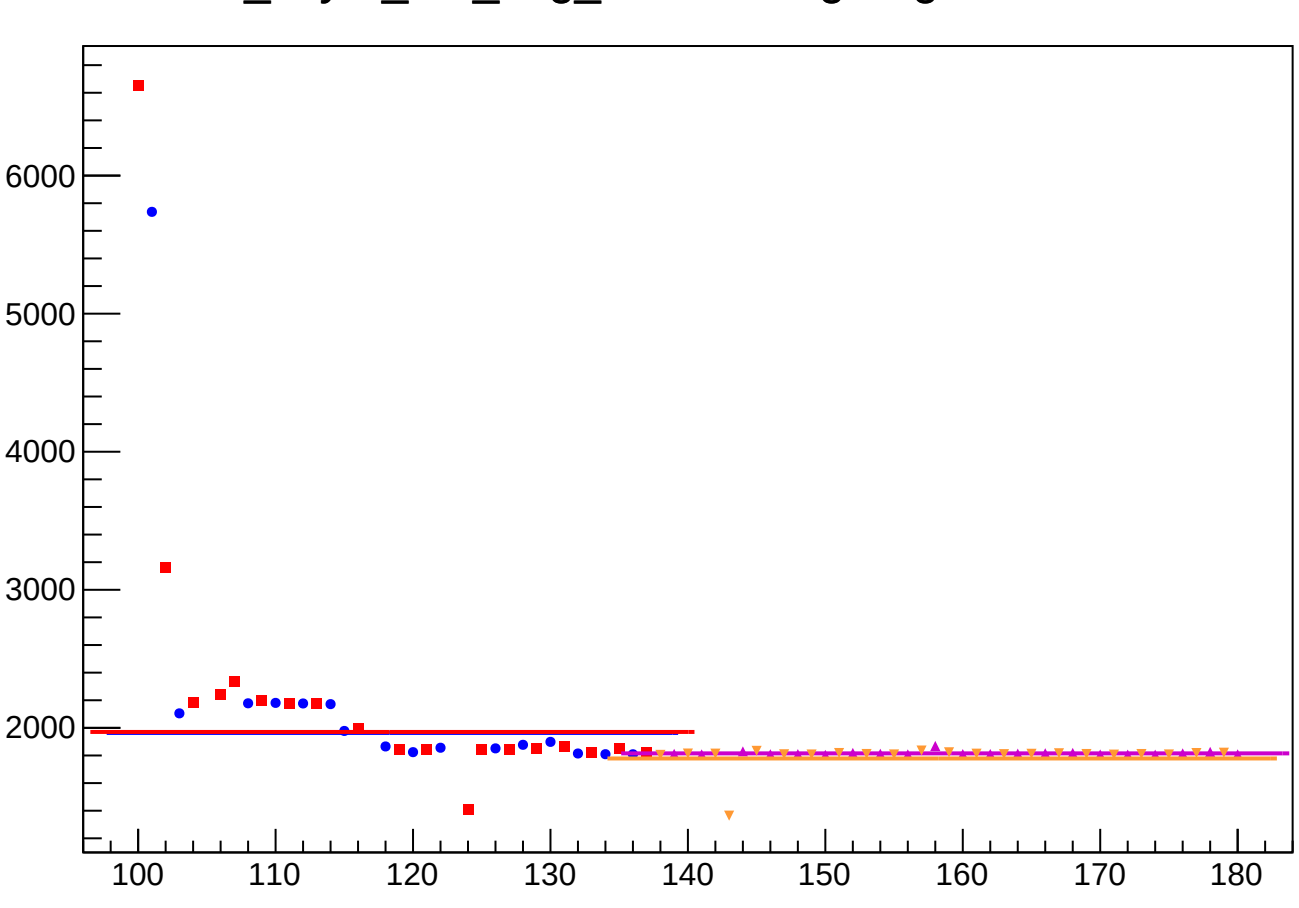
Left: 1927.799+/-305.133 χ^2/NDF: 51.2/42

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2053.772+/-377.109 χ^2/NDF:43.3/36

Out: 1874.966+/-368.995 χ^2/NDF:41.1/40

All: 1962.425+/-263.741 χ^2/NDF: 84.5/77



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

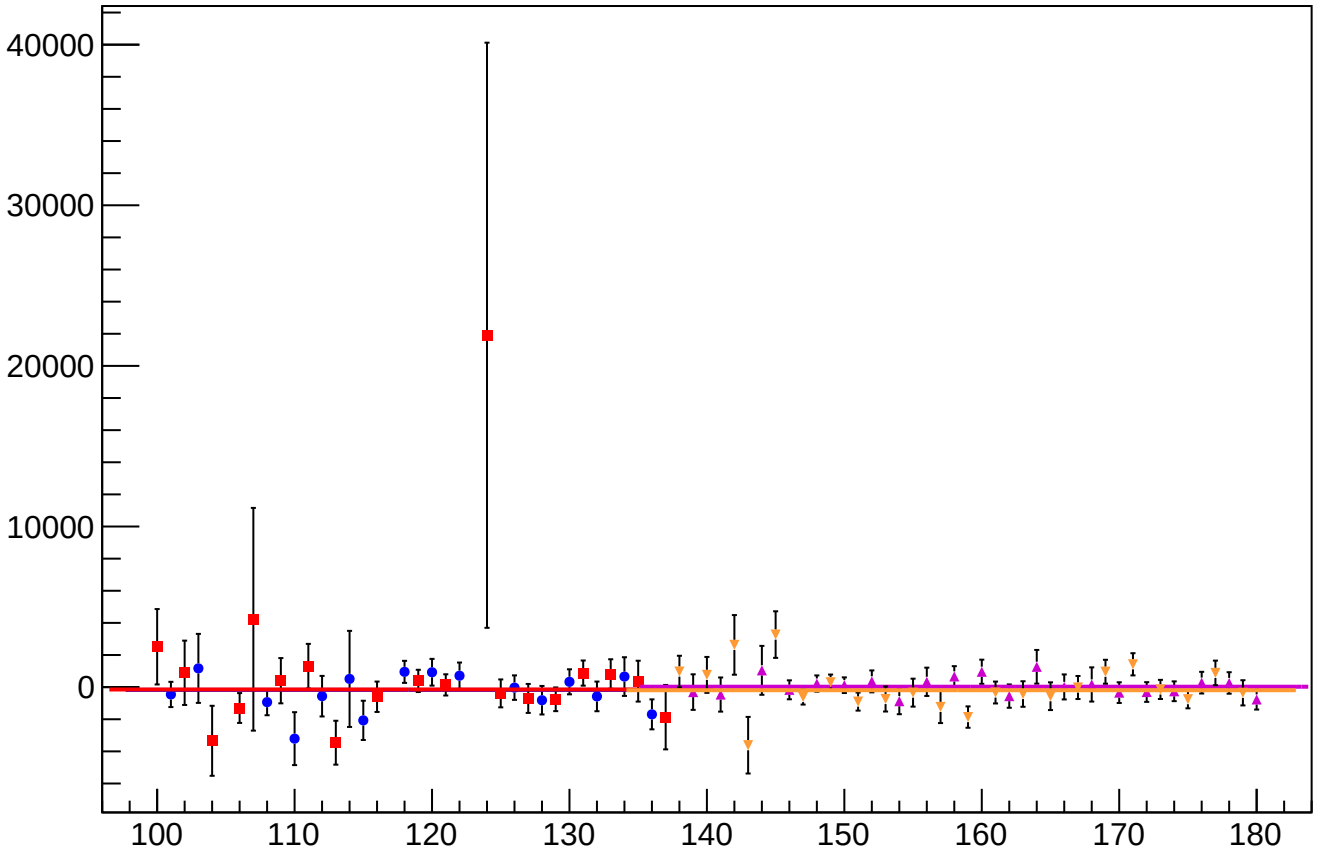
Left: 1796.358+/-0.216 χ^2/NDF: 173433.0/42

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1853.111+/-0.267 χ^2/NDF:700907.0/36

Out: 1826.486+/-0.261 χ^2/NDF:611063.4/40

All: 1839.509+/-0.186 χ^2/NDF: 1317063.5/77



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 26.039+/-153.748 χ^2/NDF:9.9/20

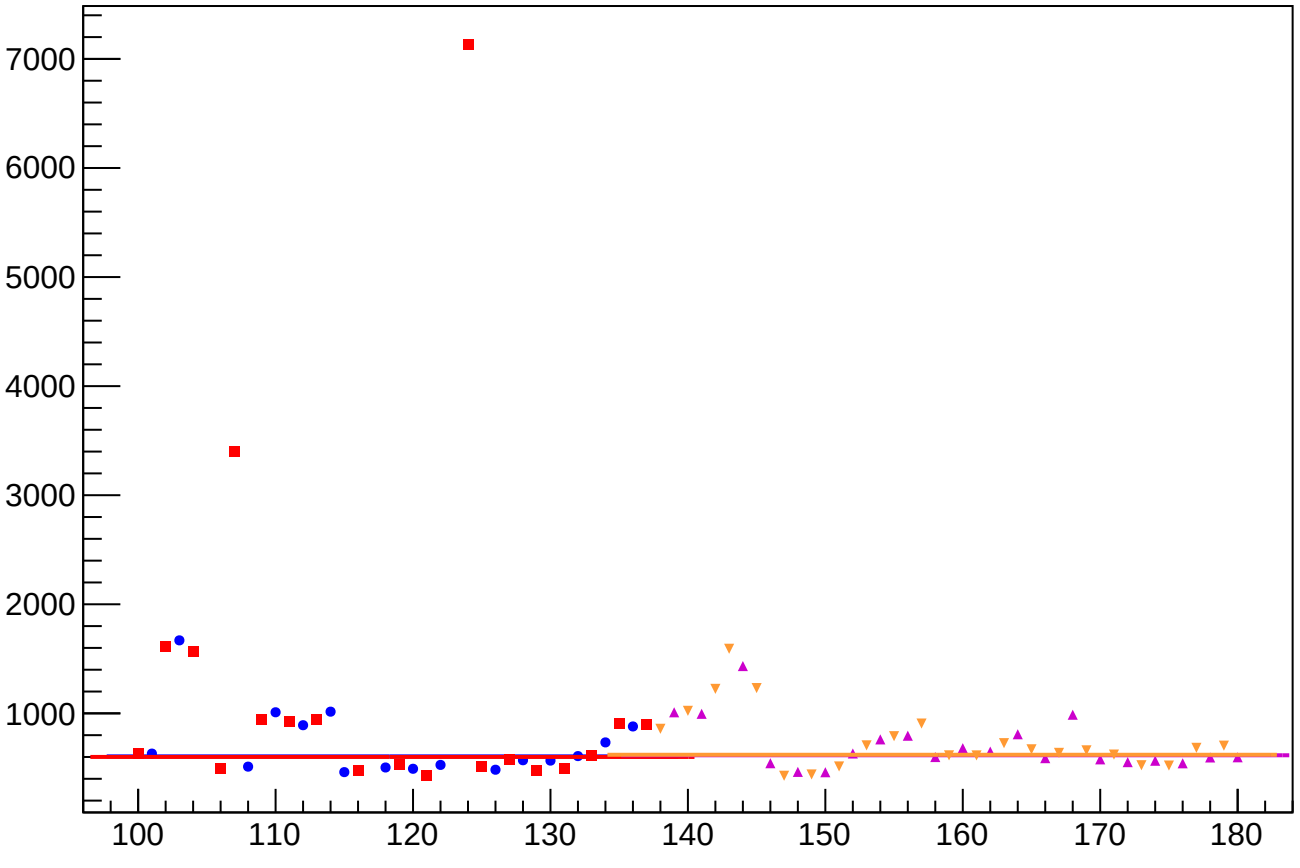
Left: -81.724+/-109.386 χ^2/NDF: 47.4/42

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -32.286+/-128.970 χ^2/NDF:27.6/36

Out: -179.168+/-131.049 χ^2/NDF:56.6/40

All: -104.552+/-91.922 χ^2/NDF: 84.9/77



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.285+/-0.110 χ^2/NDF:2701823.3/21

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 615.660+/-0.109 χ^2/NDF:2053442.6/20

Left: 617.944+/-0.077 χ^2/NDF: 4756159.9/42

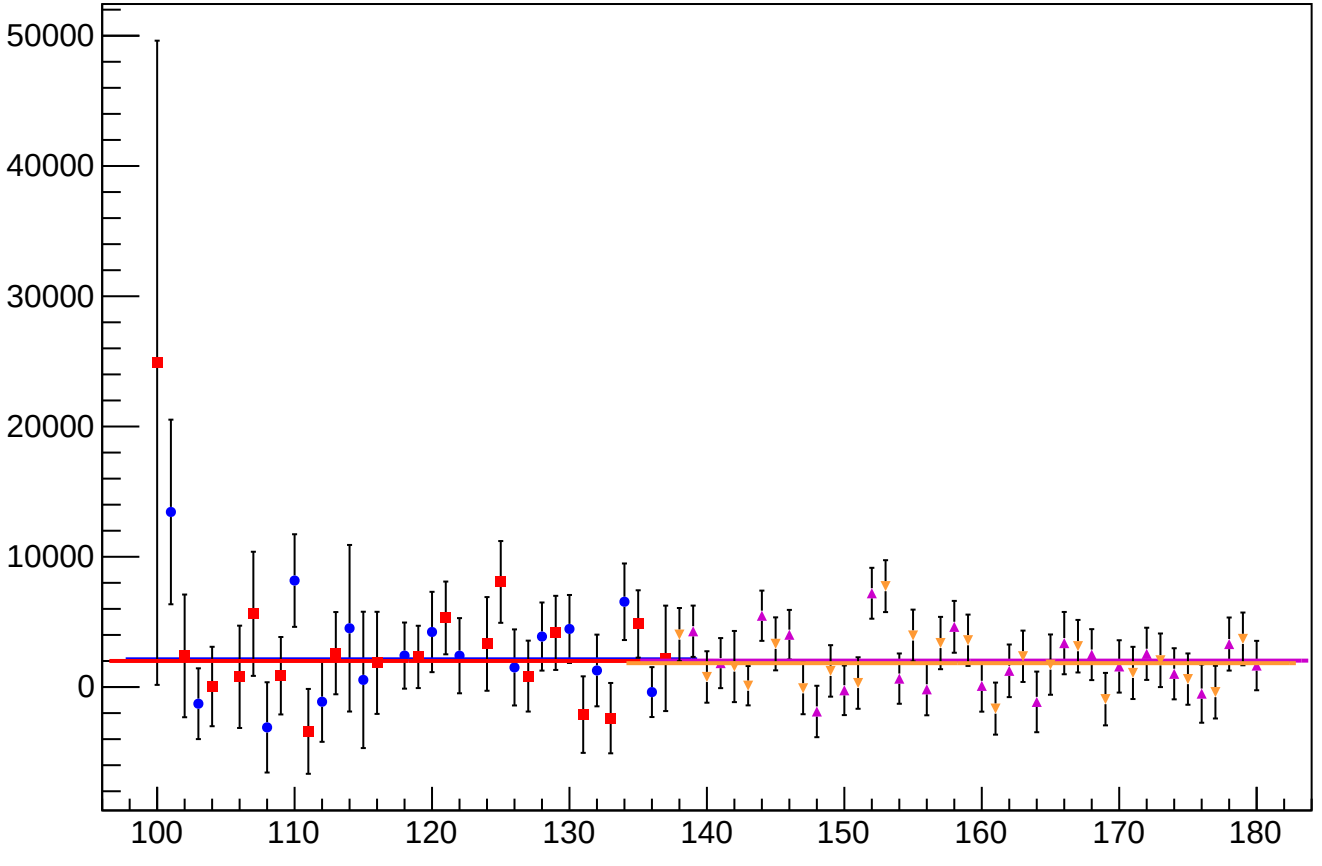
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 612.628+/-0.091 χ^2/NDF:3218521.1/36

Out: 614.508+/-0.093 χ^2/NDF:5039807.4/40

All: 613.553+/-0.065 χ^2/NDF: 8258537.7/77

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.427+/-426.232 χ^2/NDF:24.3/21

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2028.059+/-437.015 χ^2/NDF:26.8/20

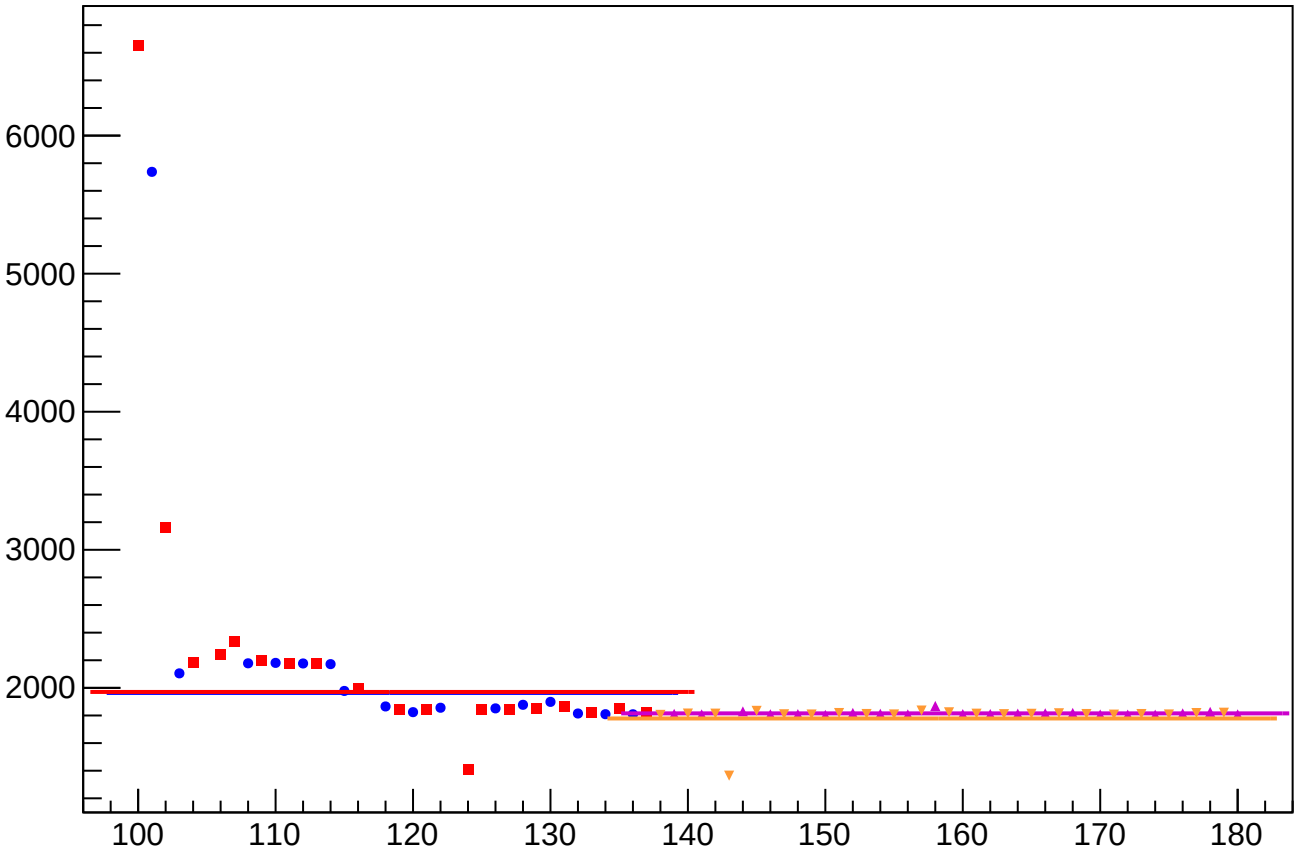
Left: 1927.800+/-305.133 χ^2/NDF: 51.2/42

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2053.772+/-377.109 χ^2/NDF:43.3/36

Out: 1874.966+/-368.995 χ^2/NDF:41.1/40

All: 1962.425+/-263.741 χ^2/NDF: 84.5/77



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.282+/-0.309 χ^2/NDF:1969.6/20

Left: 1796.358+/-0.216 χ^2/NDF: 173433.0/42

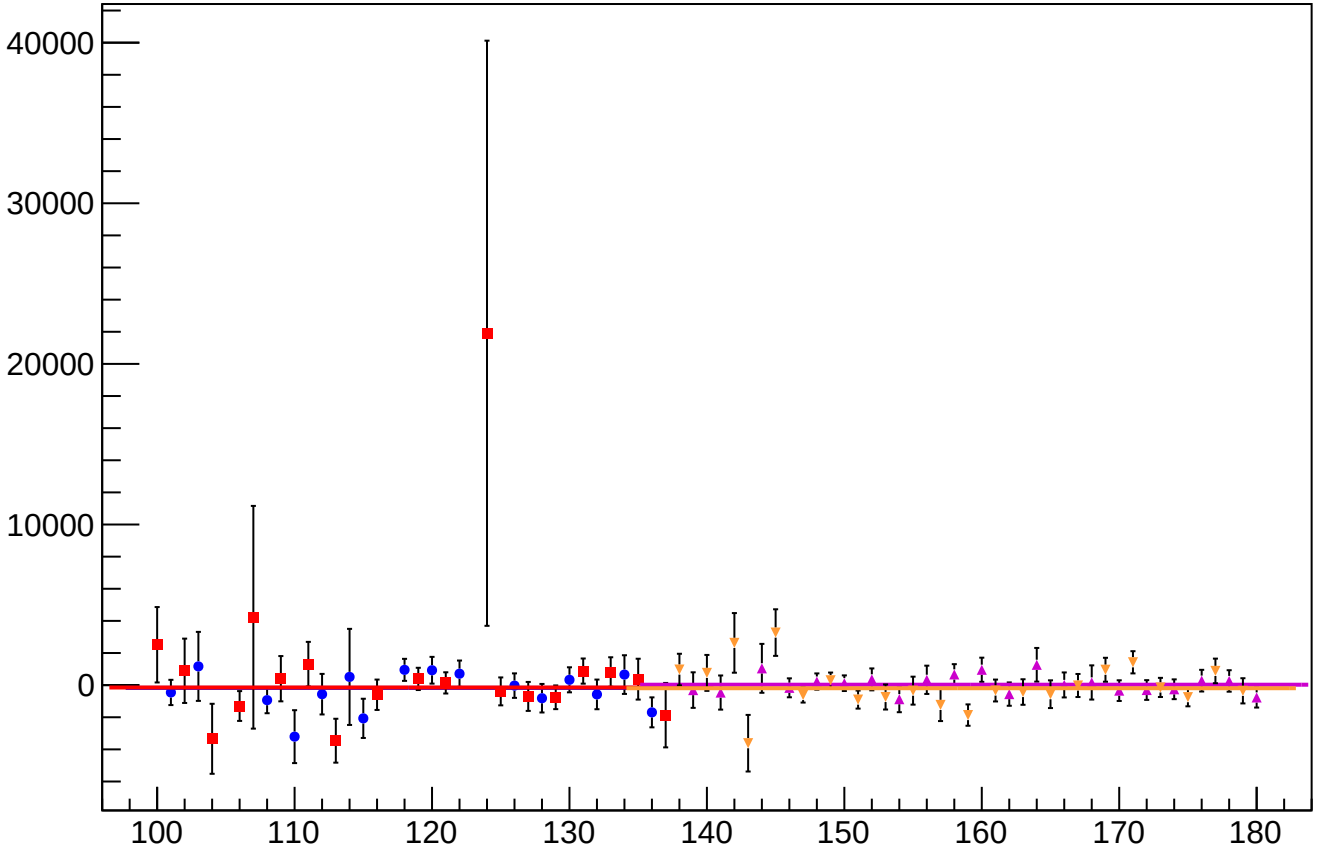
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1853.111+/-0.267 χ^2/NDF:700906.5/36

Out: 1826.486+/-0.261 χ^2/NDF:611061.8/40

All: 1839.509+/-0.186 χ^2/NDF: 1317061.5/77

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: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 26.039+/-153.748 χ^2/NDF:9.9/20

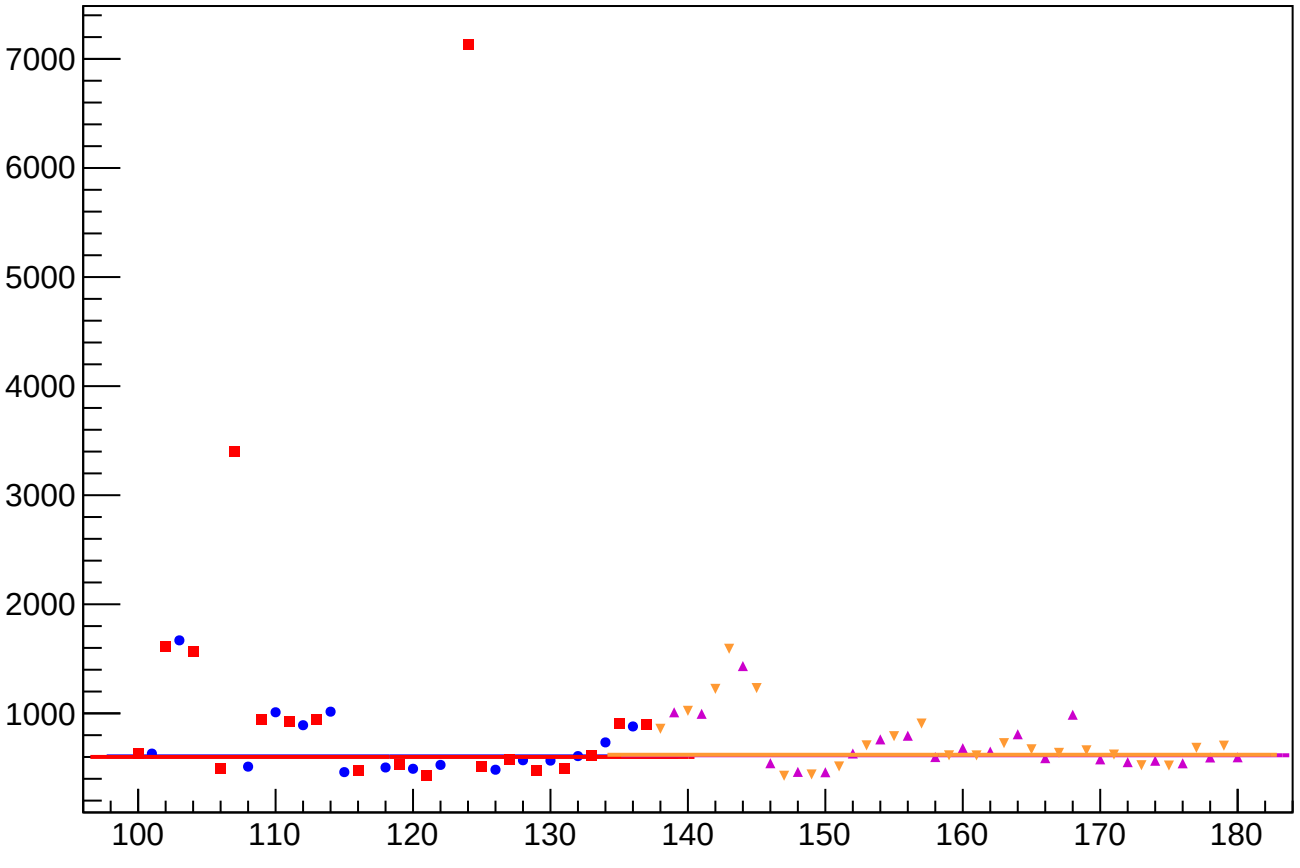
Left: -81.724+/-109.386 χ^2/NDF: 47.4/42

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

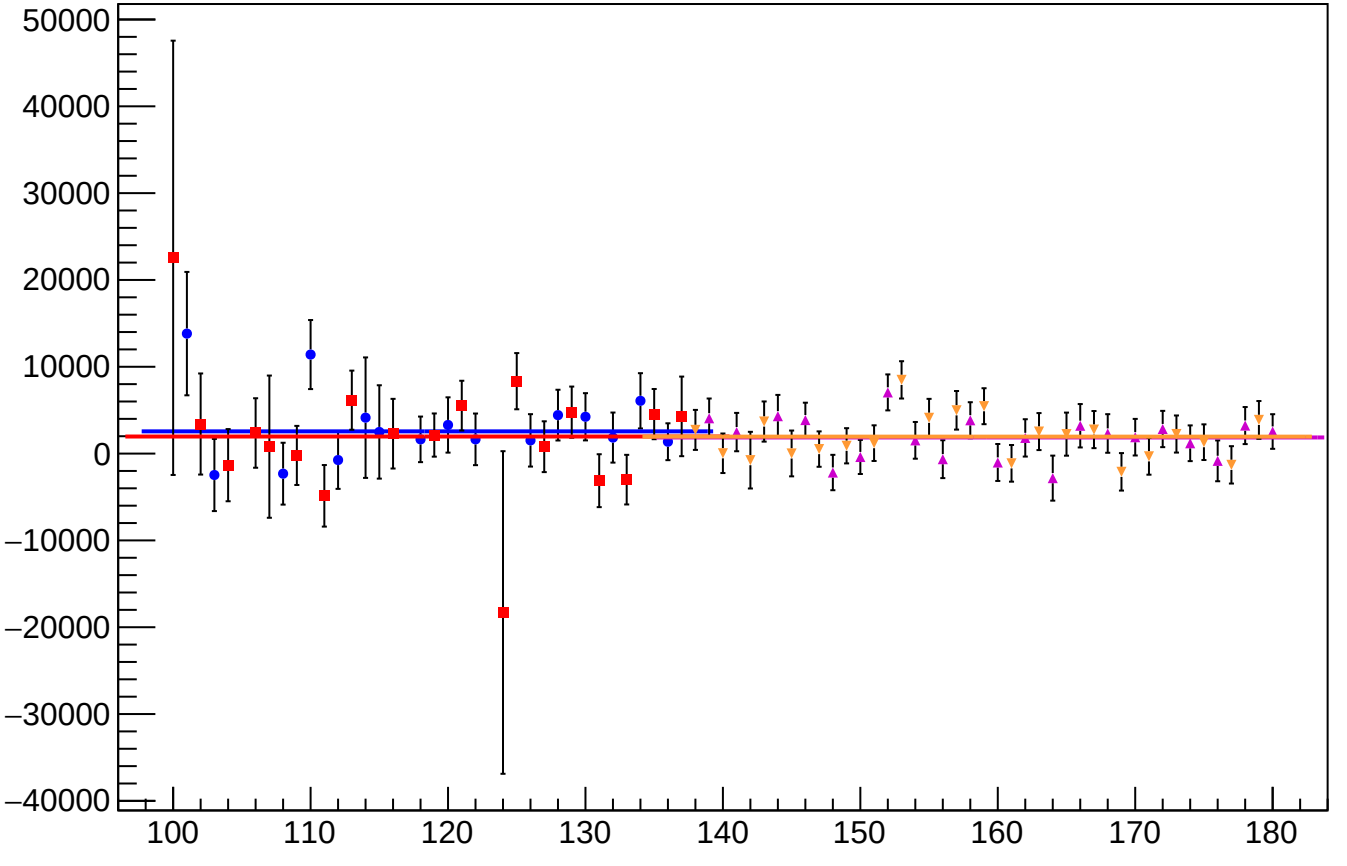
In: -32.286+/-128.970 χ^2/NDF:27.6/36

Out: -179.168+/-131.049 χ^2/NDF:56.6/40

All: -104.553+/-91.922 χ^2/NDF: 84.9/77


asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 605.429+/-0.168 χ²/NDF: 1162462.4/15
Left Out: 620.286+/-0.110 χ²/NDF:2701815.9/21
Right Out: 600.446+/-0.172 χ²/NDF: 2328531.9/18
Left In: 615.661+/-0.109 χ²/NDF:2053438.6/20
Left: 617.945+/-0.077 χ²/NDF: 4756148.6/42
Right: 602.999+/-0.120 χ²/NDF: 3491425.6/34
In: 612.628+/-0.091 χ²/NDF:3218526.0/36
Out: 614.509+/-0.093 χ²/NDF:5039809.8/40
All: 613.553+/-0.065 χ²/NDF: 8258545.0/77

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1952.038+/-469.507 χ^2/NDF:28.7/21

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1857.866+/-471.194 χ^2/NDF:24.4/20

Left: 1905.121+/-332.586 χ^2/NDF: 53.1/42

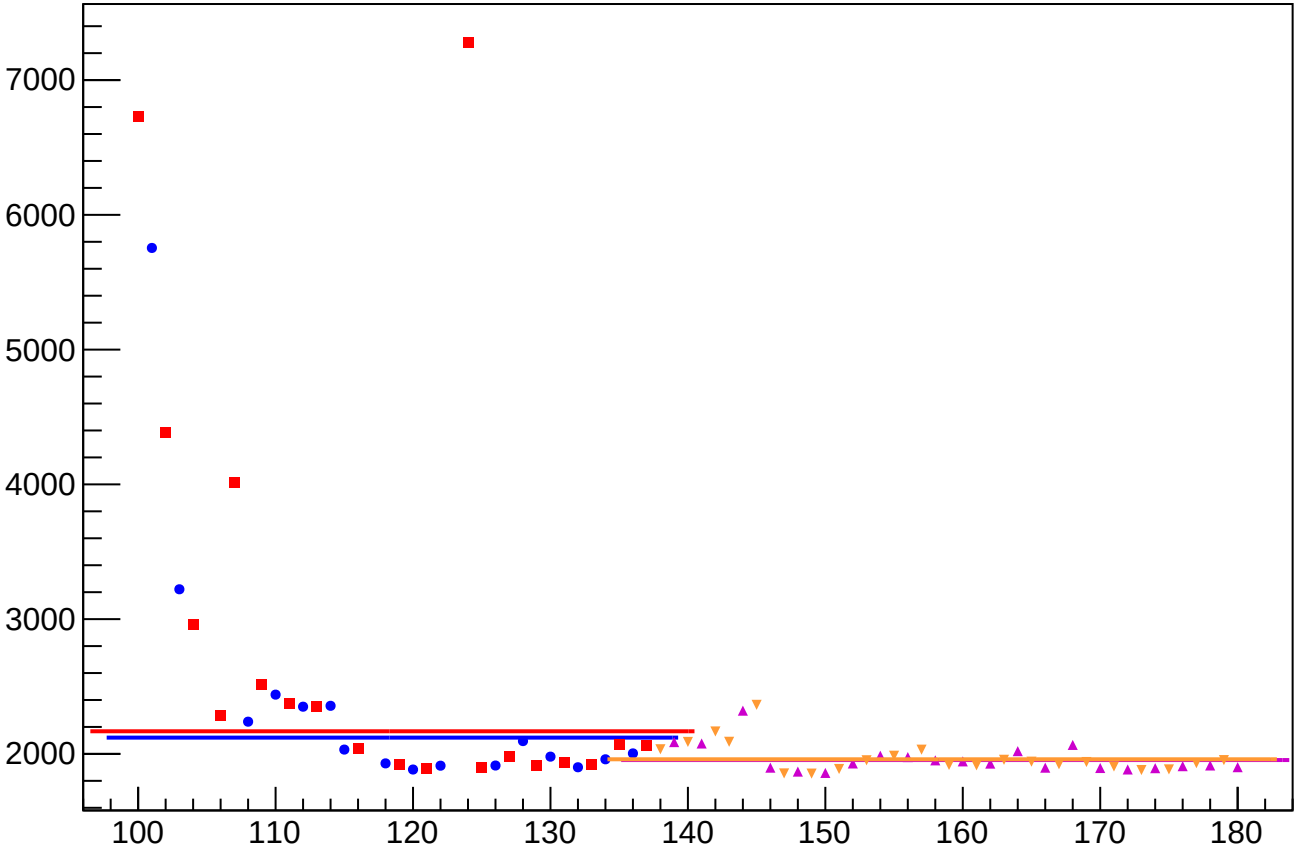
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2035.750+/-407.249 χ^2/NDF:39.6/36

Out: 1955.673+/-407.303 χ^2/NDF:50.3/40

All: 1995.717+/-287.988 χ^2/NDF: 89.9/77

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1959.967+/-0.332 χ^2/NDF:95066.8/21

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1954.305+/-0.333 χ^2/NDF:84814.8/20

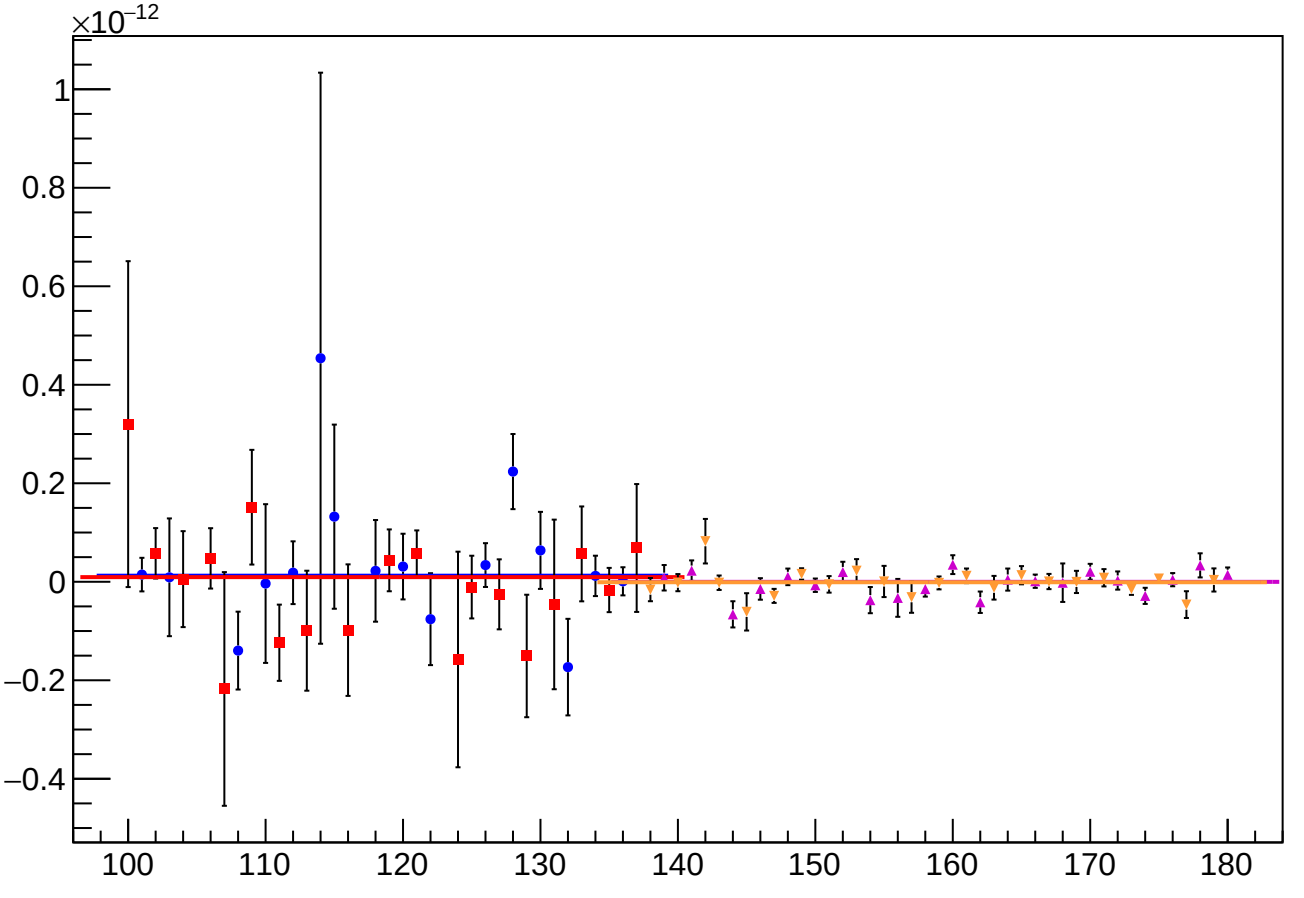
Left: 1957.146+/-0.235 χ^2/NDF: 180026.4/42

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 1996.422+/-0.288 χ^2/NDF:907942.6/36

Out: 2011.400+/-0.288 χ^2/NDF:1015994.4/40

All: 2003.910+/-0.204 χ^2/NDF: 1925289.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:27.6/20

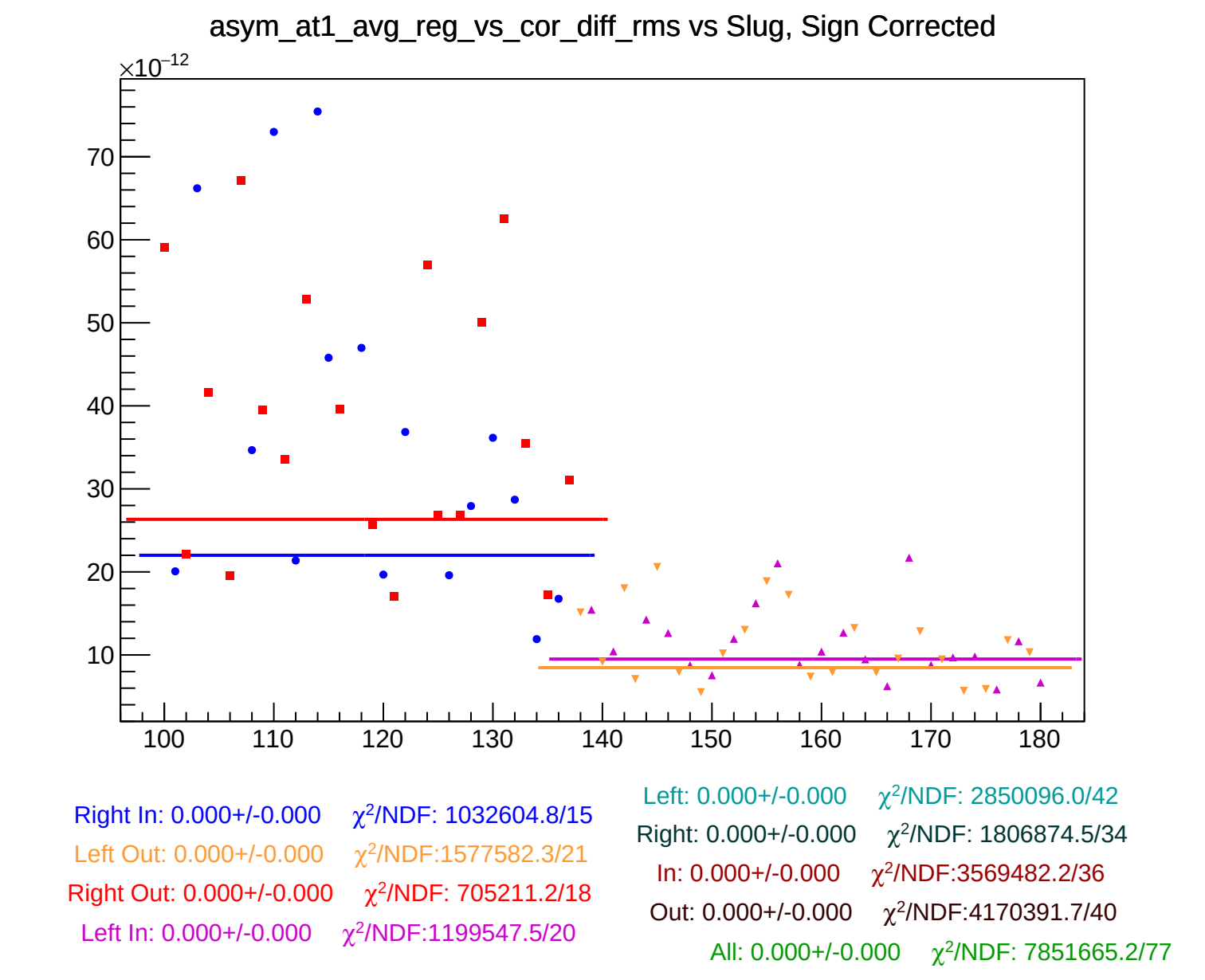
Left: -0.000+/-0.000 χ^2/NDF: 48.6/42

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

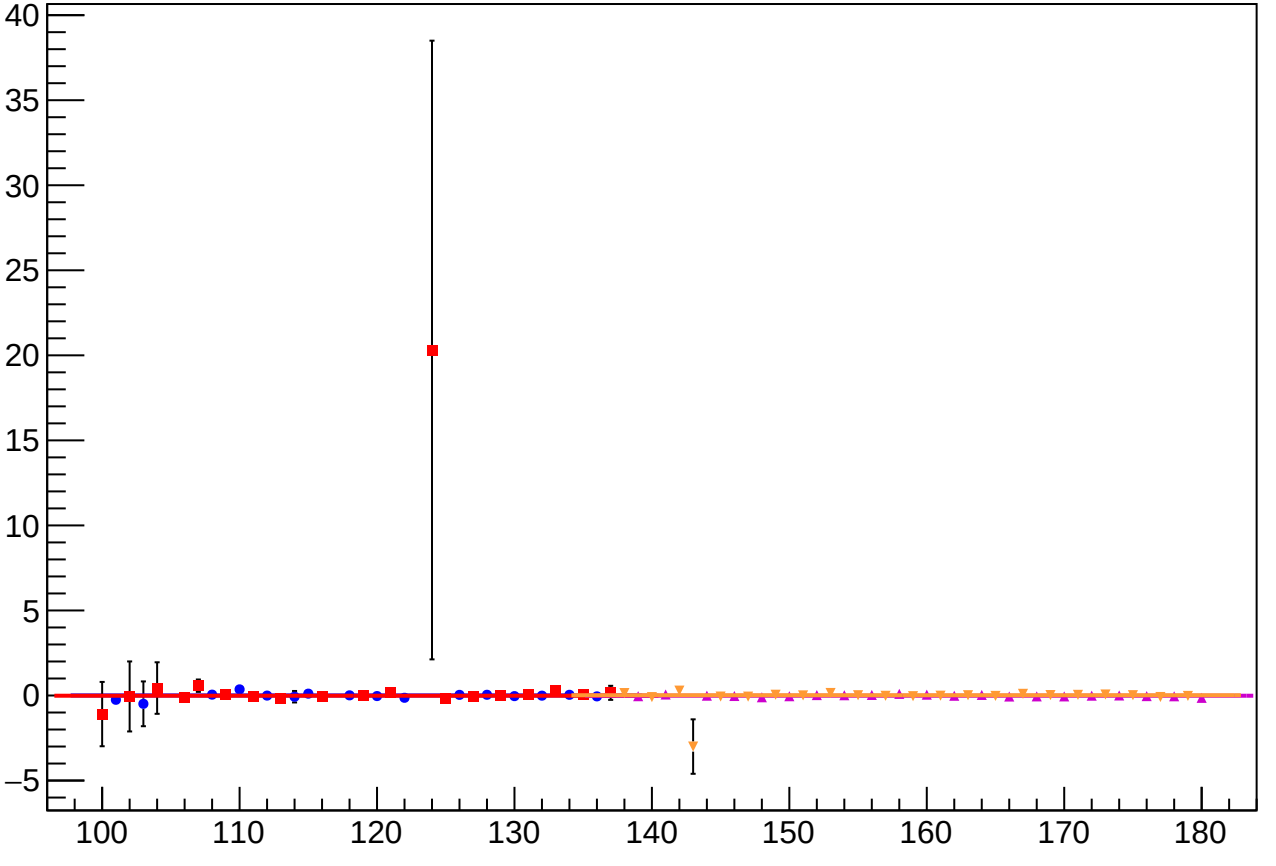
In: 0.000+/-0.000 χ^2/NDF:46.1/36

Out: -0.000+/-0.000 χ^2/NDF:35.0/40

All: 0.000+/-0.000 χ^2/NDF: 81.2/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1577582.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1199547.5/20
Left: 0.000+/-0.000 χ²/NDF: 2850096.0/42
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3569482.2/36
Out: 0.000+/-0.000 χ²/NDF:4170391.7/40
All: 0.000+/-0.000 χ²/NDF: 7851665.2/77

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+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.013+/-0.013 χ^2/NDF:17.8/20

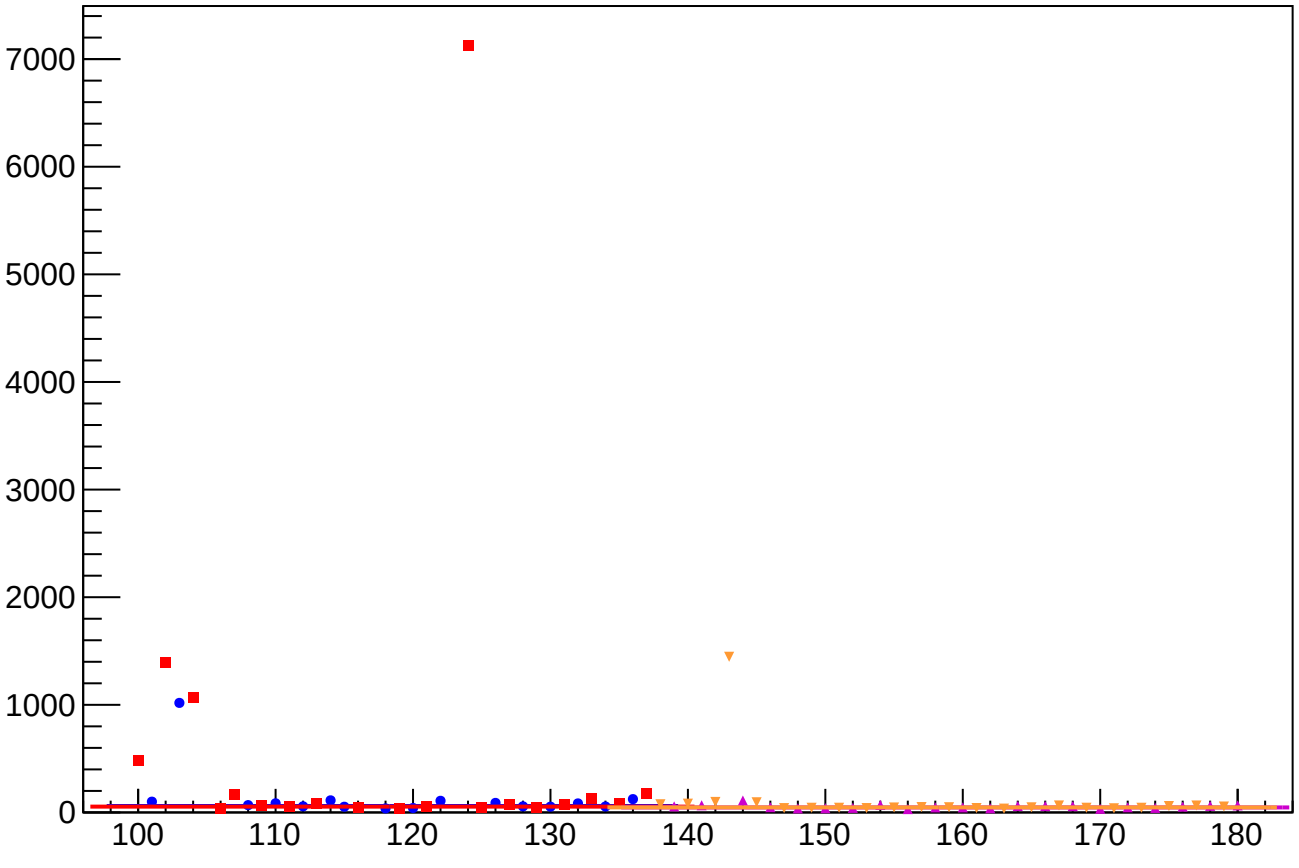
Left: 0.001+/-0.009 χ^2/NDF: 47.8/42

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.010+/-0.011 χ^2/NDF:29.5/36

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: -0.000+/-0.008 χ^2/NDF: 77.0/77



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

Left: 46.889+/-0.006 χ^2/NDF: 5141682.3/42

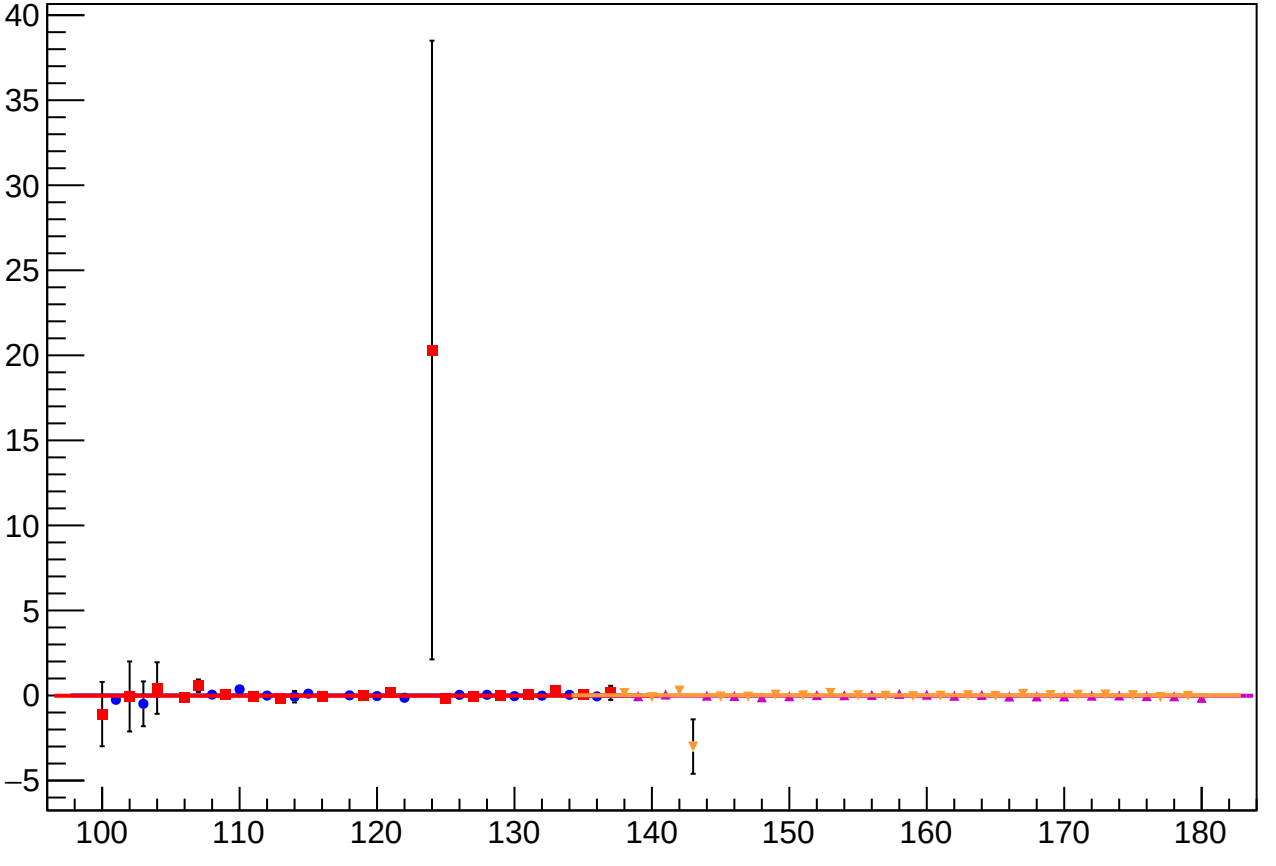
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.061+/-0.008 χ^2/NDF:4882663.0/36

Out: 48.566+/-0.008 χ^2/NDF:6837624.6/40

All: 48.816+/-0.006 χ^2/NDF: 11722136.5/77

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+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.013+/-0.013 χ^2/NDF:17.8/20

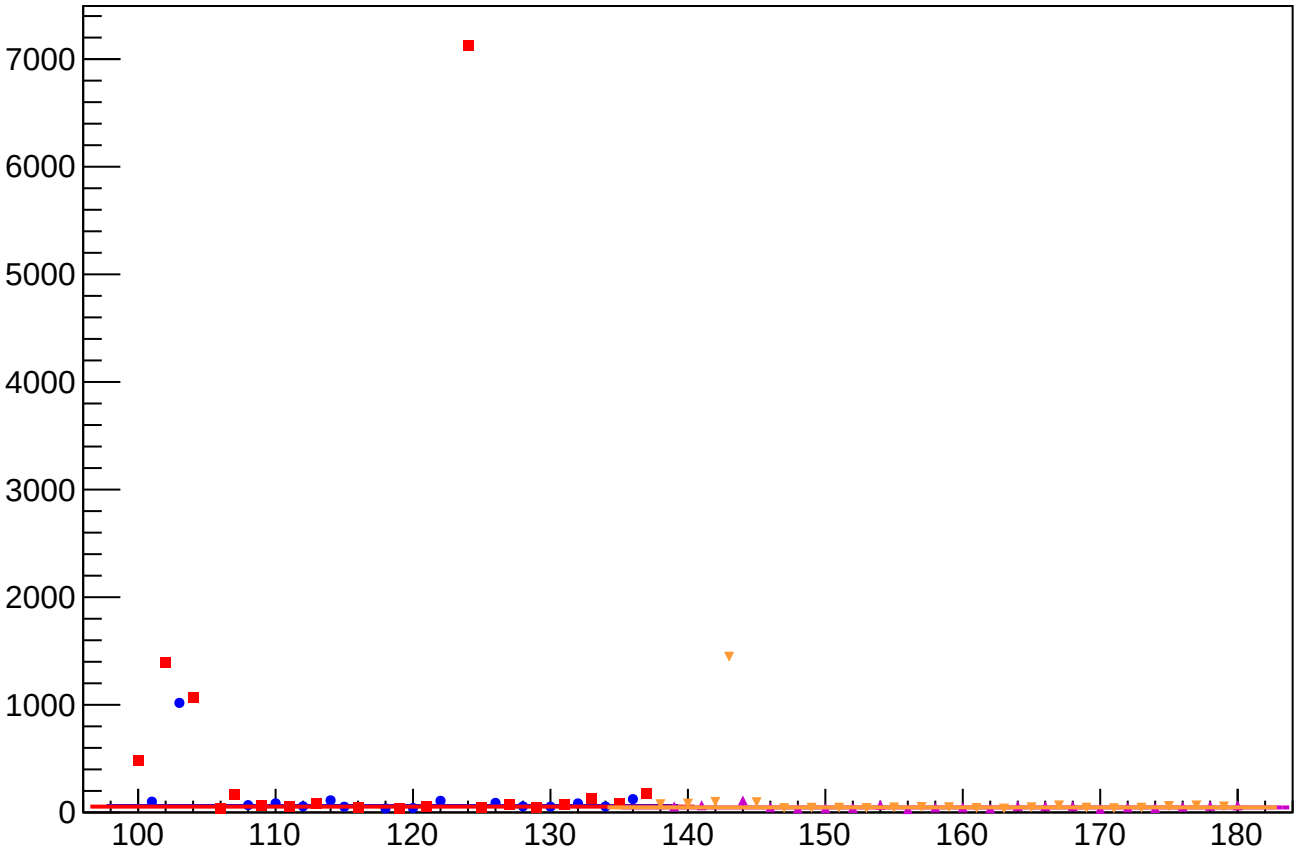
Left: 0.001+/-0.009 χ^2/NDF: 47.8/42

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.010+/-0.011 χ^2/NDF:29.5/36

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: -0.000+/-0.008 χ^2/NDF: 77.0/77



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.648+/-0.009 χ^2/NDF:1945409.9/20

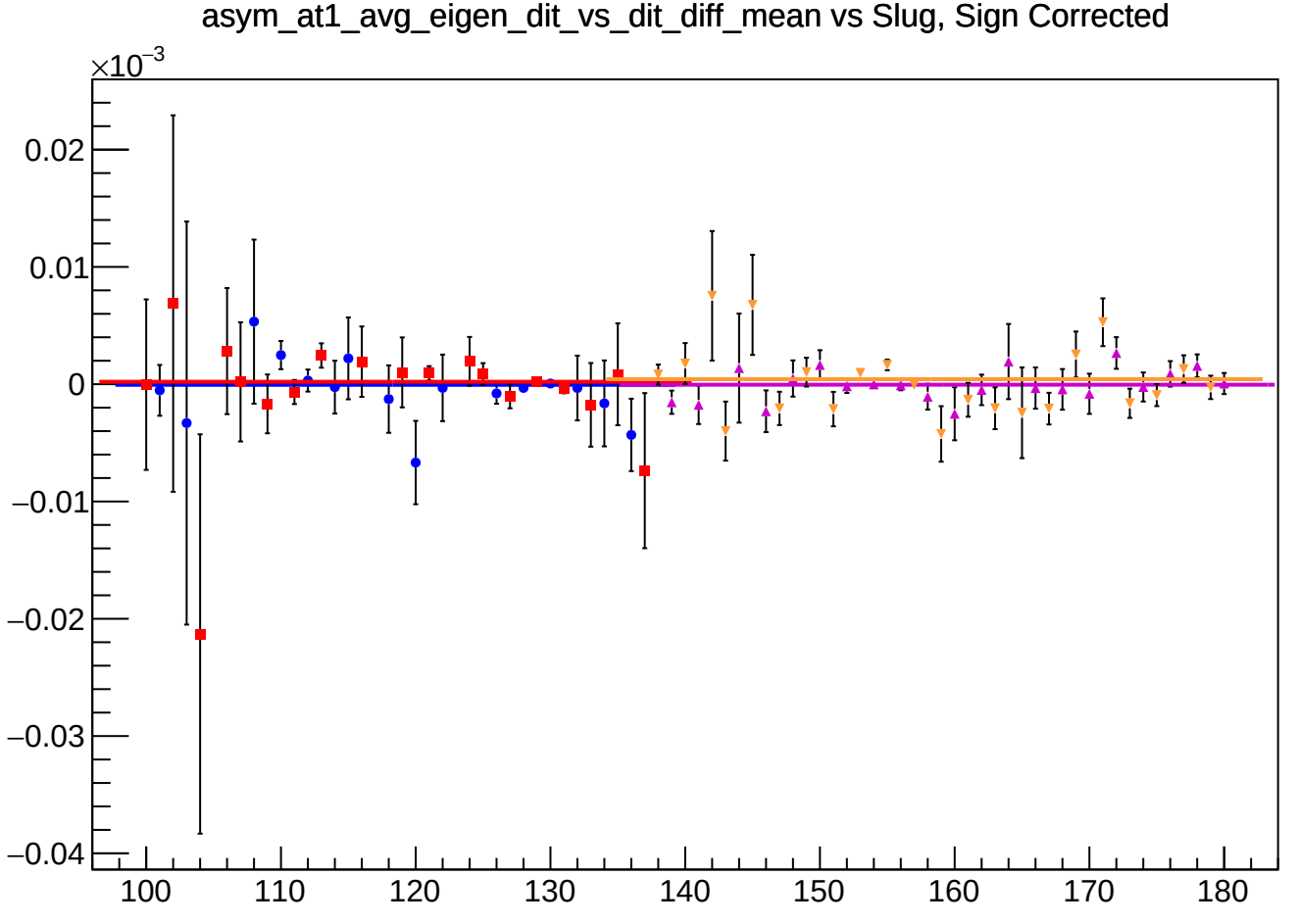
Left: 46.889+/-0.006 χ^2/NDF: 5141682.3/42

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.061+/-0.008 χ^2/NDF:4882663.0/36

Out: 48.566+/-0.008 χ^2/NDF:6837624.6/40

All: 48.816+/-0.006 χ^2/NDF: 11722136.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/20

Left: 0.000+/-0.000 χ^2/NDF: 69.0/42

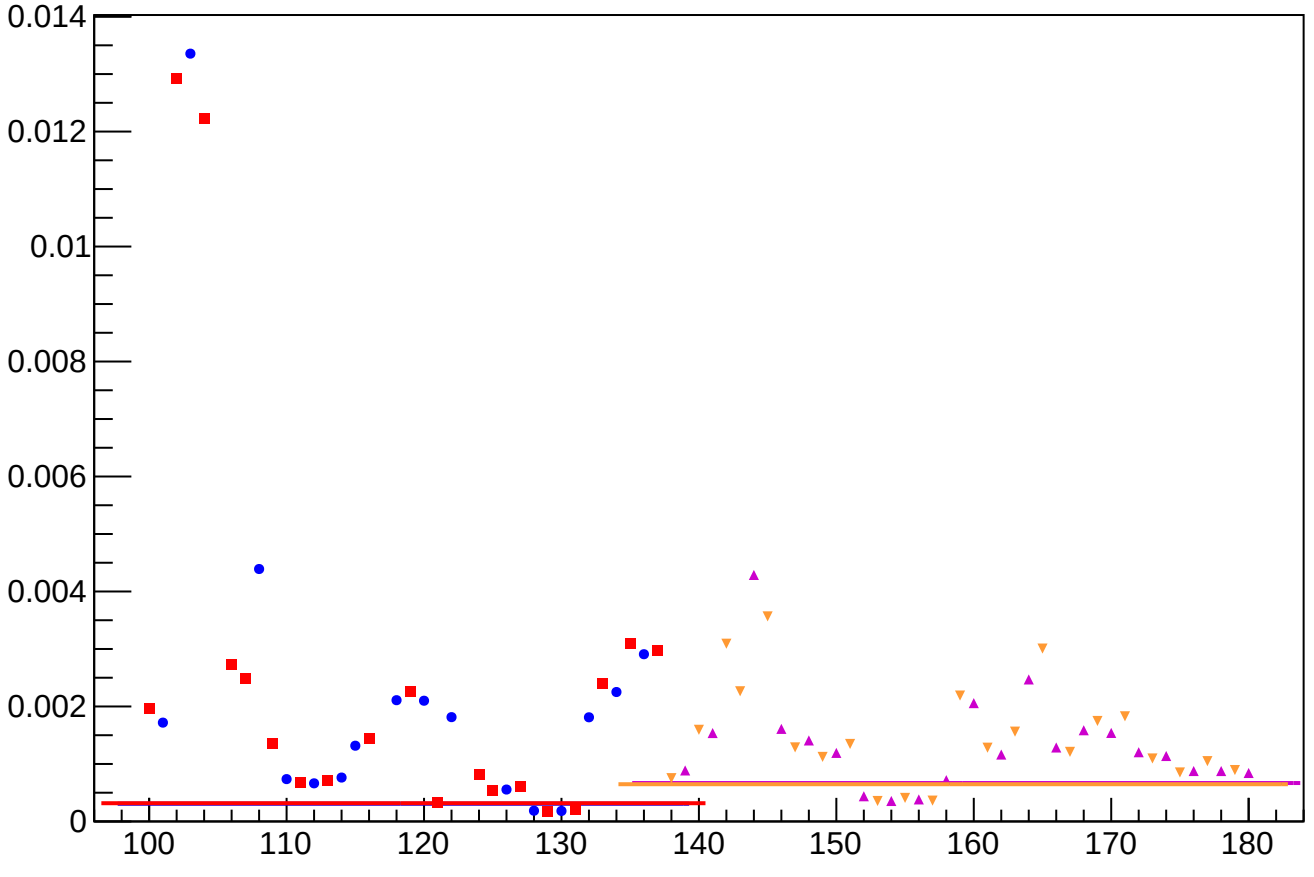
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:30.2/36

Out: 0.000+/-0.000 χ^2/NDF:65.0/40

All: 0.000+/-0.000 χ^2/NDF: 98.7/77

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11494889.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9667555.2/20

Left: 0.001+/-0.000 χ^2/NDF: 21173507.5/42

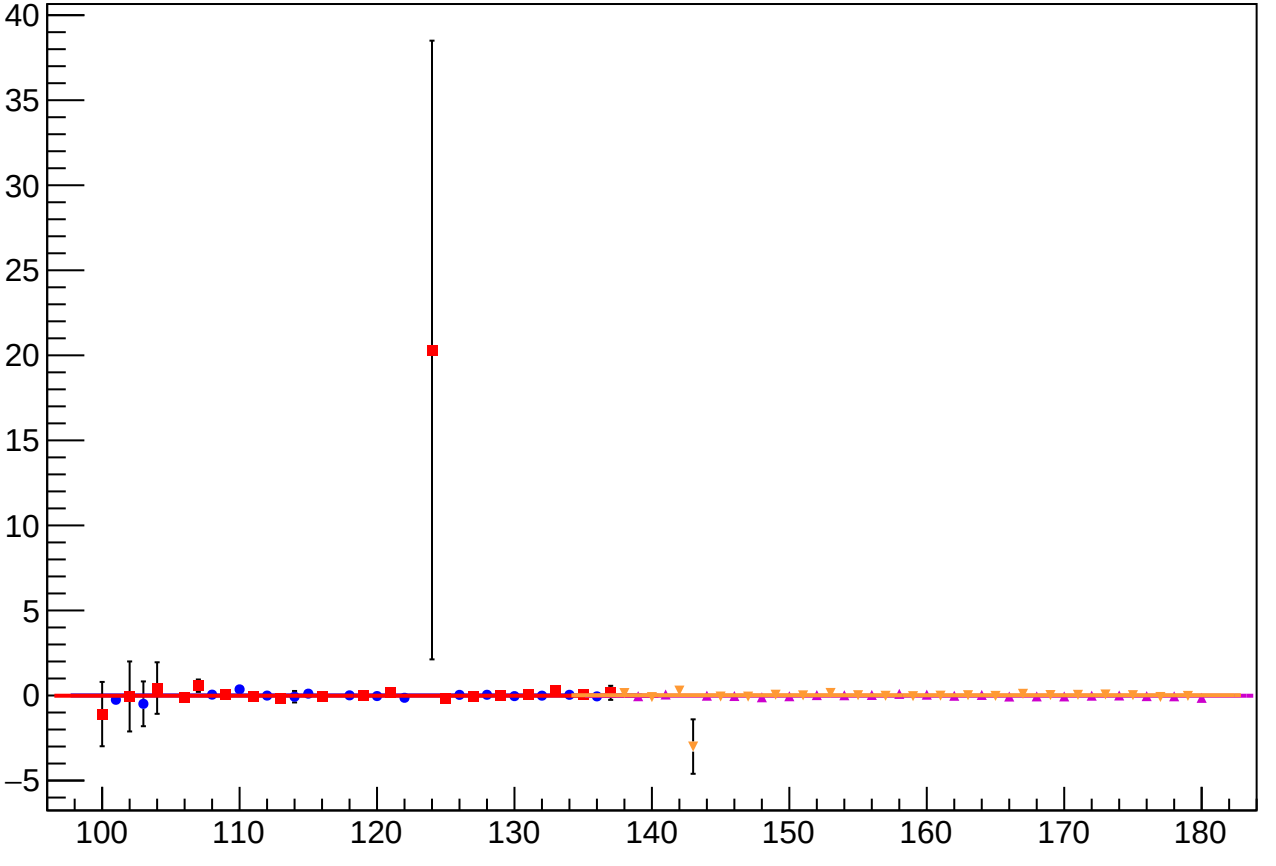
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21796271.6/36

Out: 0.000+/-0.000 χ^2/NDF:22448751.4/40

All: 0.000+/-0.000 χ^2/NDF: 44245120.6/77

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+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.013+/-0.013 χ^2/NDF:17.8/20

Left: 0.001+/-0.009 χ^2/NDF: 47.8/42

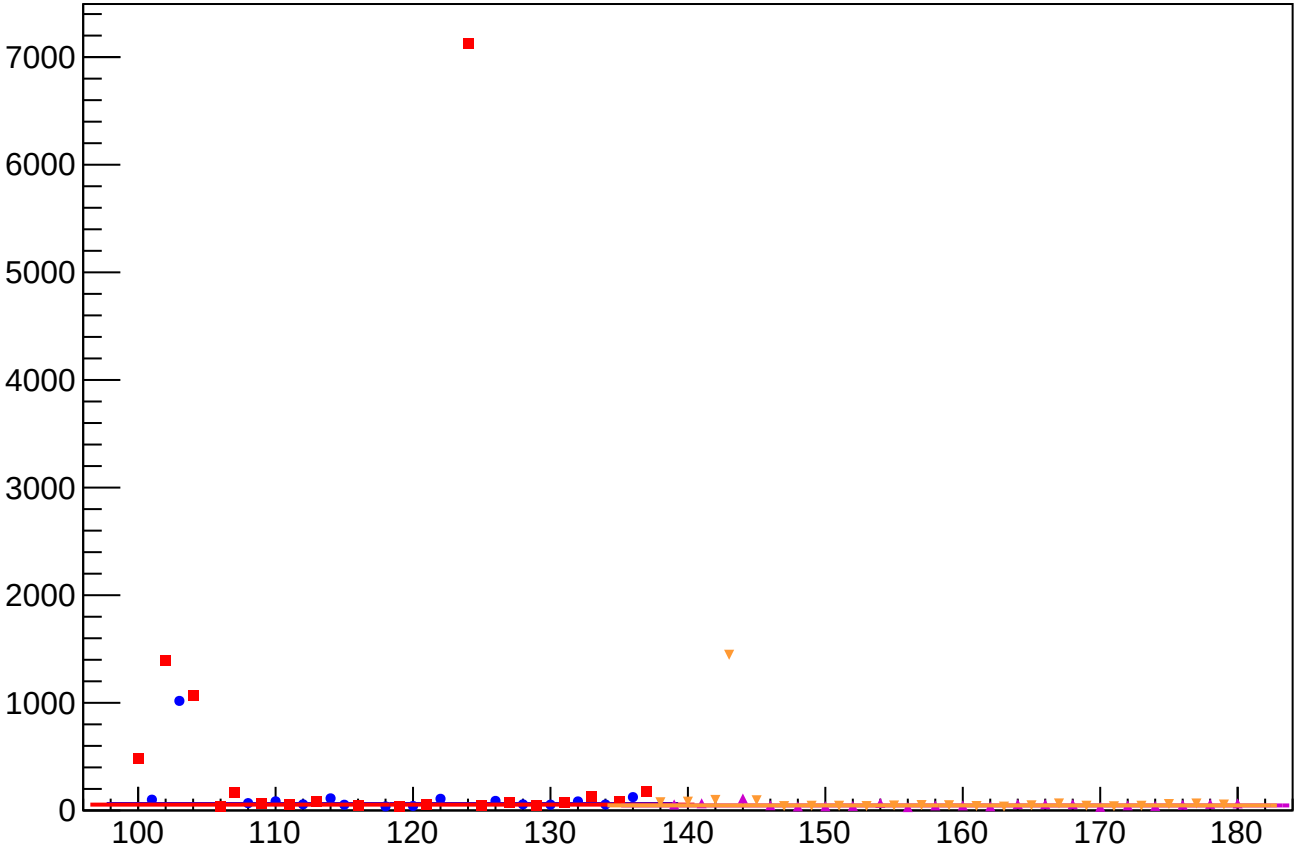
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.010+/-0.011 χ^2/NDF:29.5/36

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: -0.000+/-0.008 χ^2/NDF: 77.0/77

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

Left: 46.889+/-0.006 χ^2/NDF: 5141657.1/42

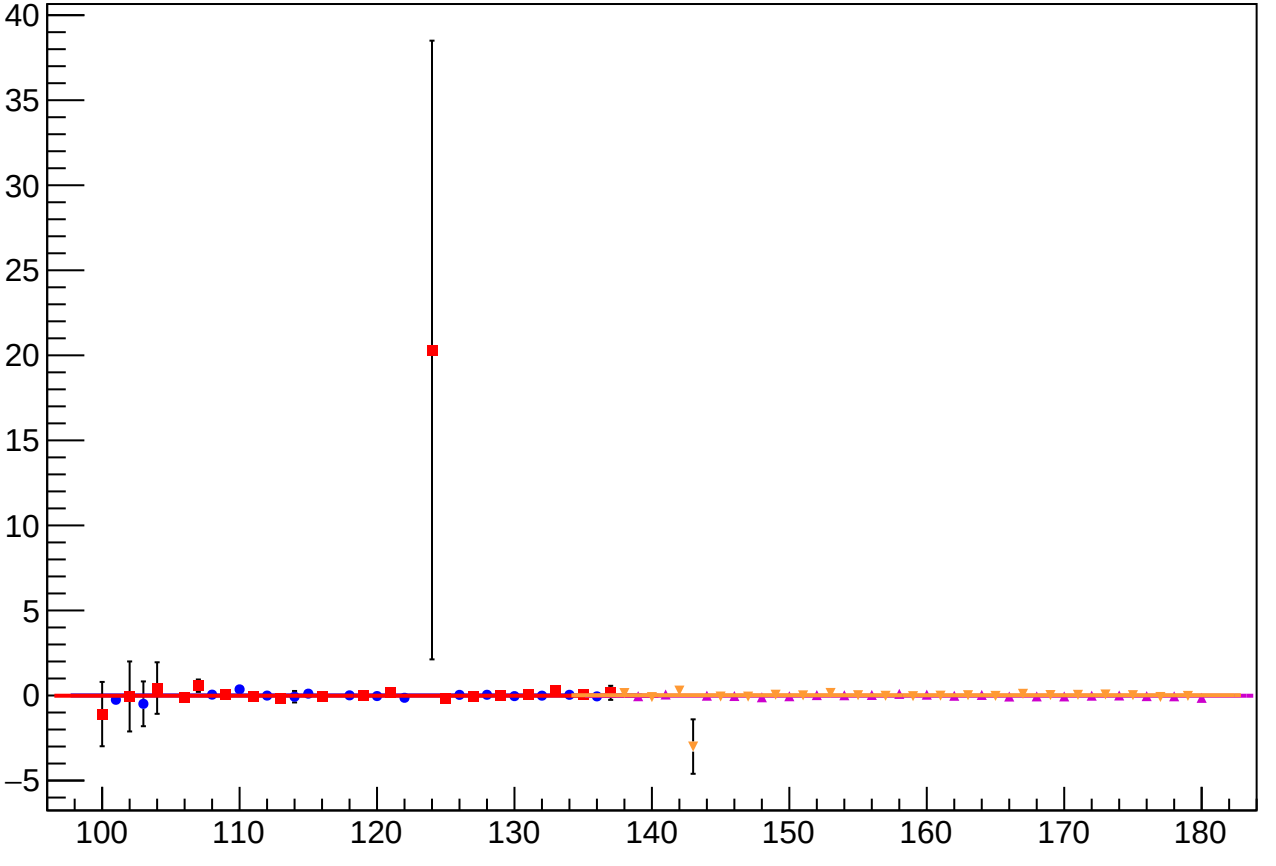
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.061+/-0.008 χ^2/NDF:4882661.7/36

Out: 48.566+/-0.008 χ^2/NDF:6837622.6/40

All: 48.816+/-0.006 χ^2/NDF: 11722132.8/77

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+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.013+/-0.013 χ^2/NDF:17.8/20

Left: 0.001+/-0.009 χ^2/NDF: 47.8/42

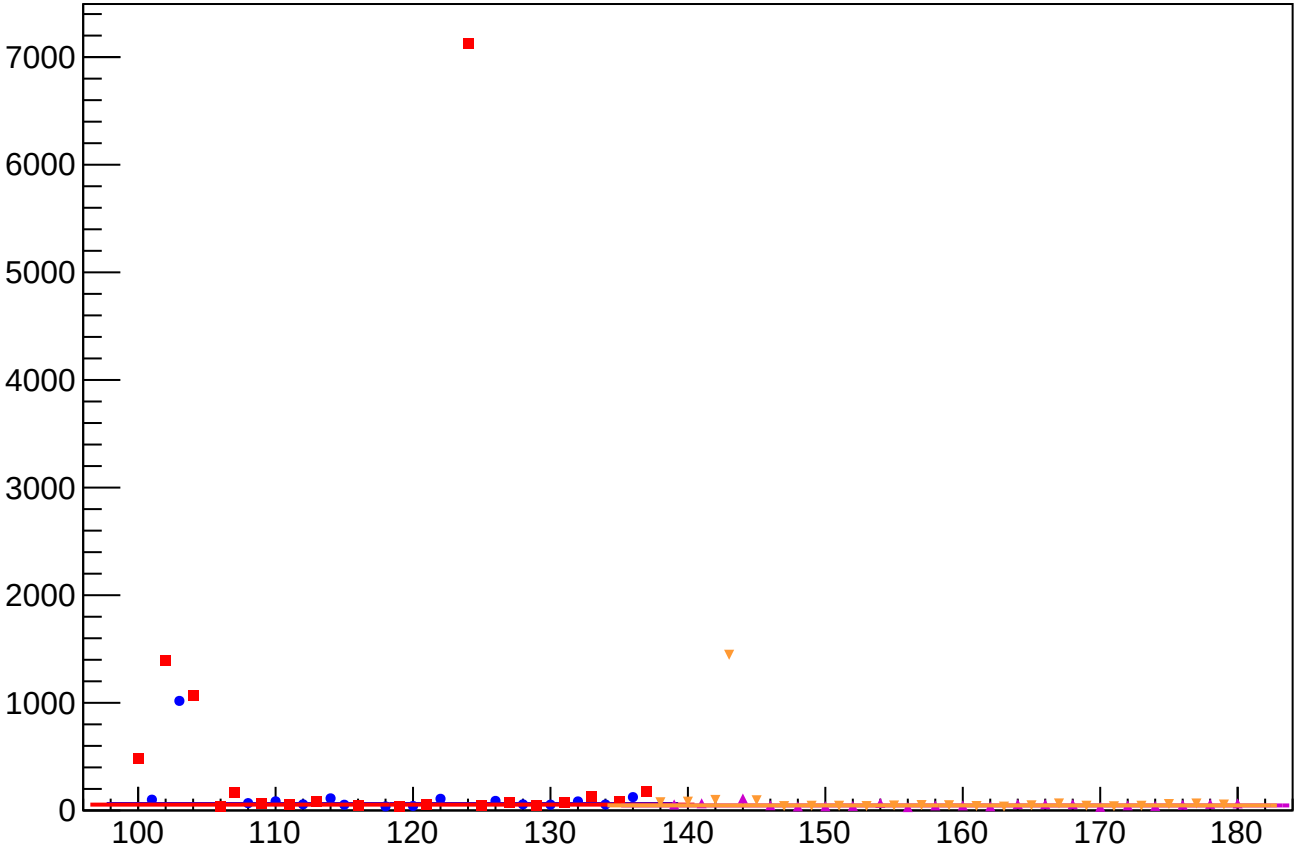
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.010+/-0.011 χ^2/NDF:29.5/36

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: -0.000+/-0.008 χ^2/NDF: 77.0/77

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: 47.141+/-0.009 χ^2/NDF:3194767.4/21

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.648+/-0.009 χ^2/NDF:1945404.4/20

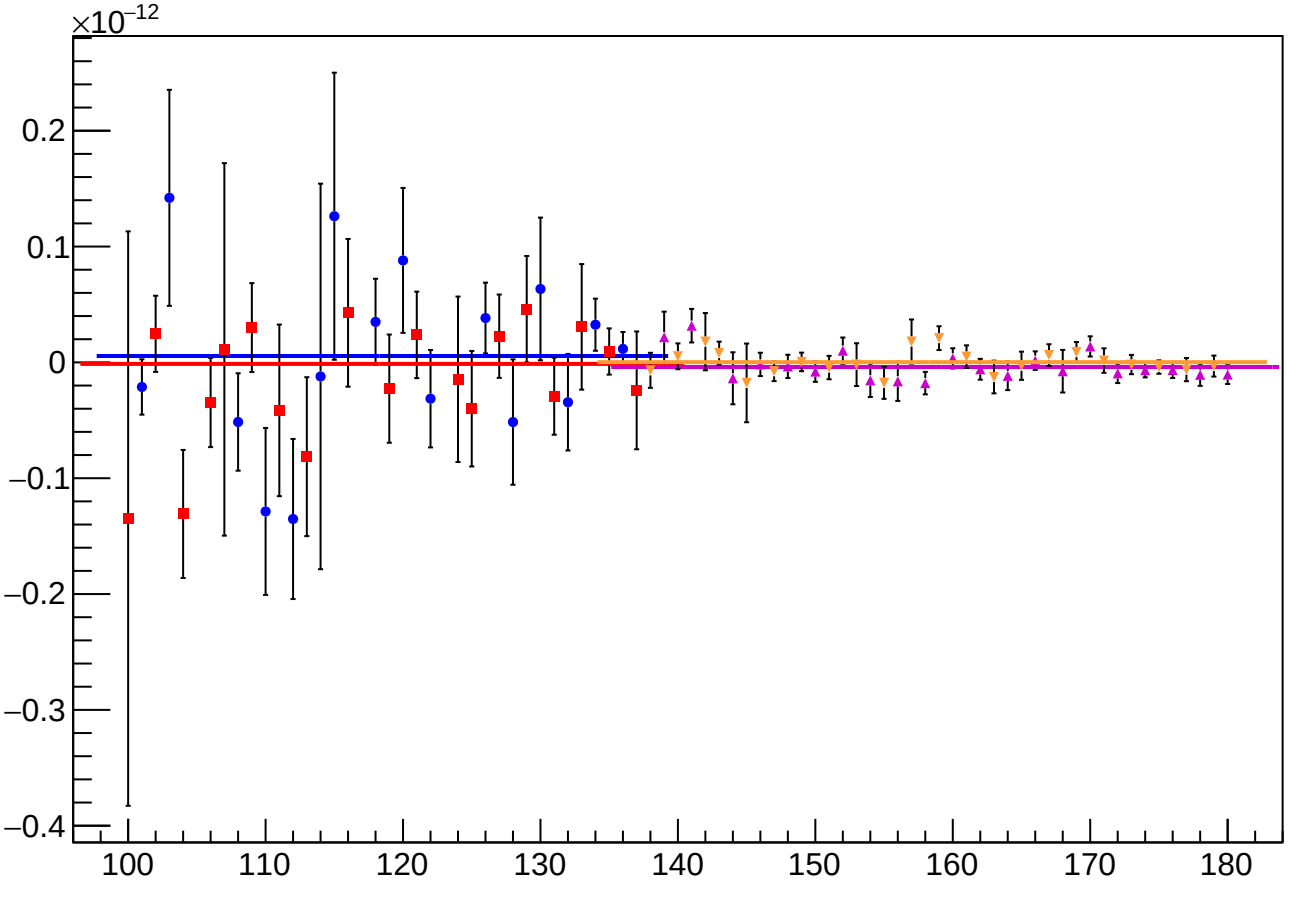
Left: 46.889+/-0.006 χ^2/NDF: 5141657.1/42

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.061+/-0.008 χ^2/NDF:4882661.7/36

Out: 48.566+/-0.008 χ^2/NDF:6837622.6/40

All: 48.816+/-0.006 χ^2/NDF: 11722132.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.4/20

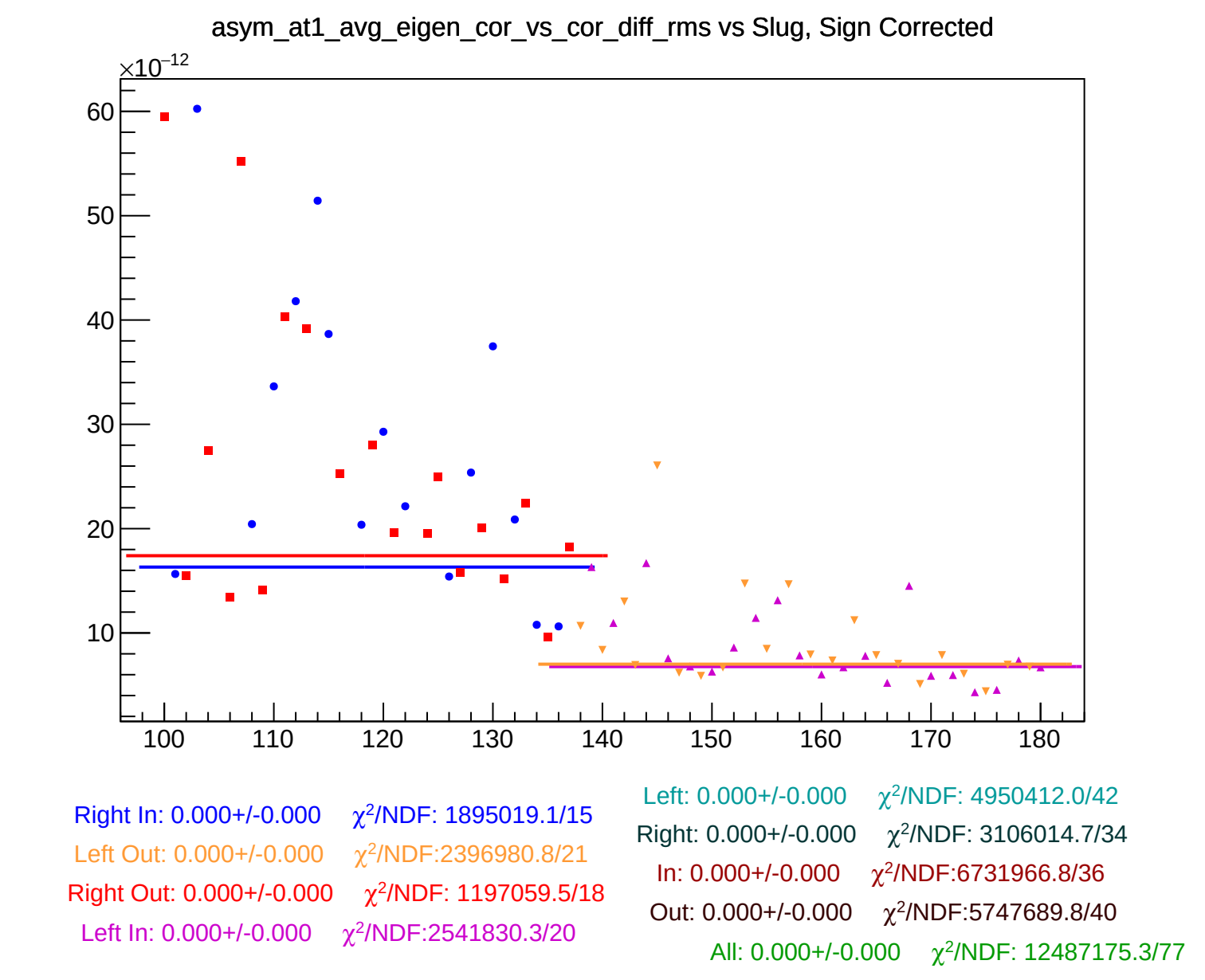
Left: -0.000+/-0.000 χ^2/NDF: 35.5/42

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

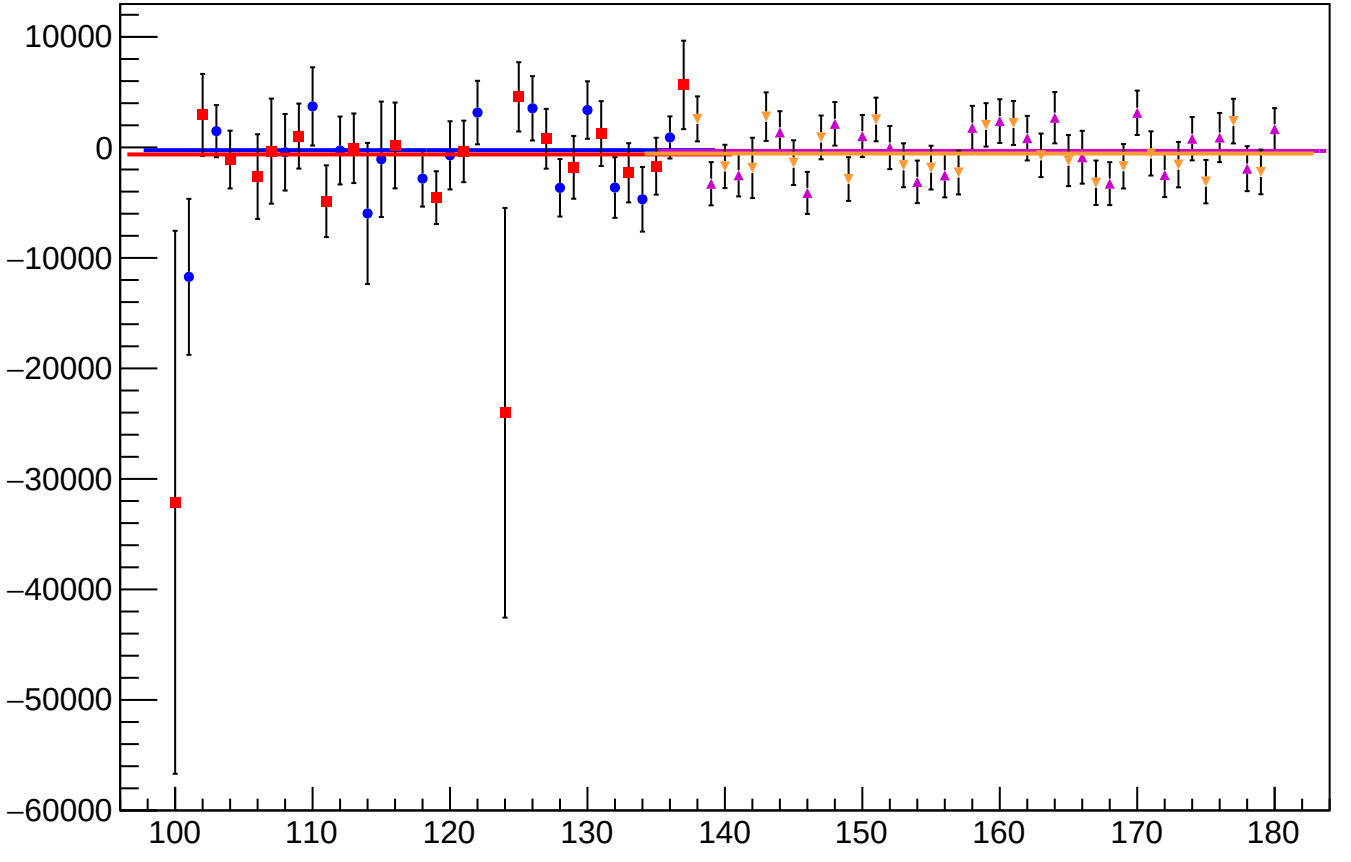
In: -0.000+/-0.000 χ^2/NDF:44.1/36

Out: 0.000+/-0.000 χ^2/NDF:27.6/40

All: -0.000+/-0.000 χ^2/NDF: 73.1/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2396980.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2541830.3/20
Left: 0.000+/-0.000 χ²/NDF: 4950412.0/42
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:6731966.8/36
Out: 0.000+/-0.000 χ²/NDF:5747689.8/40
All: 0.000+/-0.000 χ²/NDF: 12487175.3/77

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -556.482+/-434.276 χ^2/NDF:21.7/21

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -320.699+/-435.995 χ^2/NDF:27.6/20

Left: -439.057+/-307.685 χ^2/NDF: 49.5/42

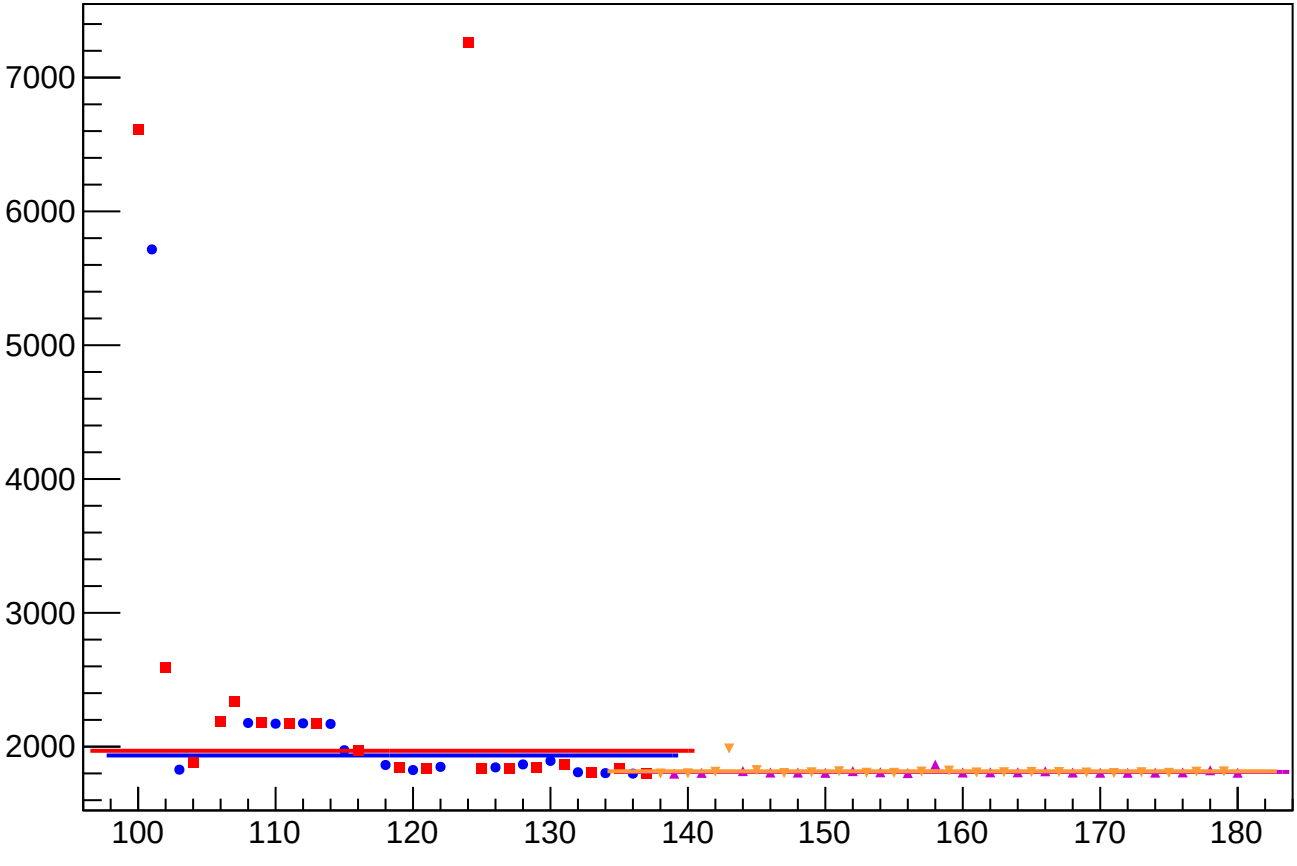
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -302.639+/-374.999 χ^2/NDF:44.9/36

Out: -577.060+/-373.952 χ^2/NDF:37.6/40

All: -440.233+/-264.793 χ^2/NDF: 82.8/77

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

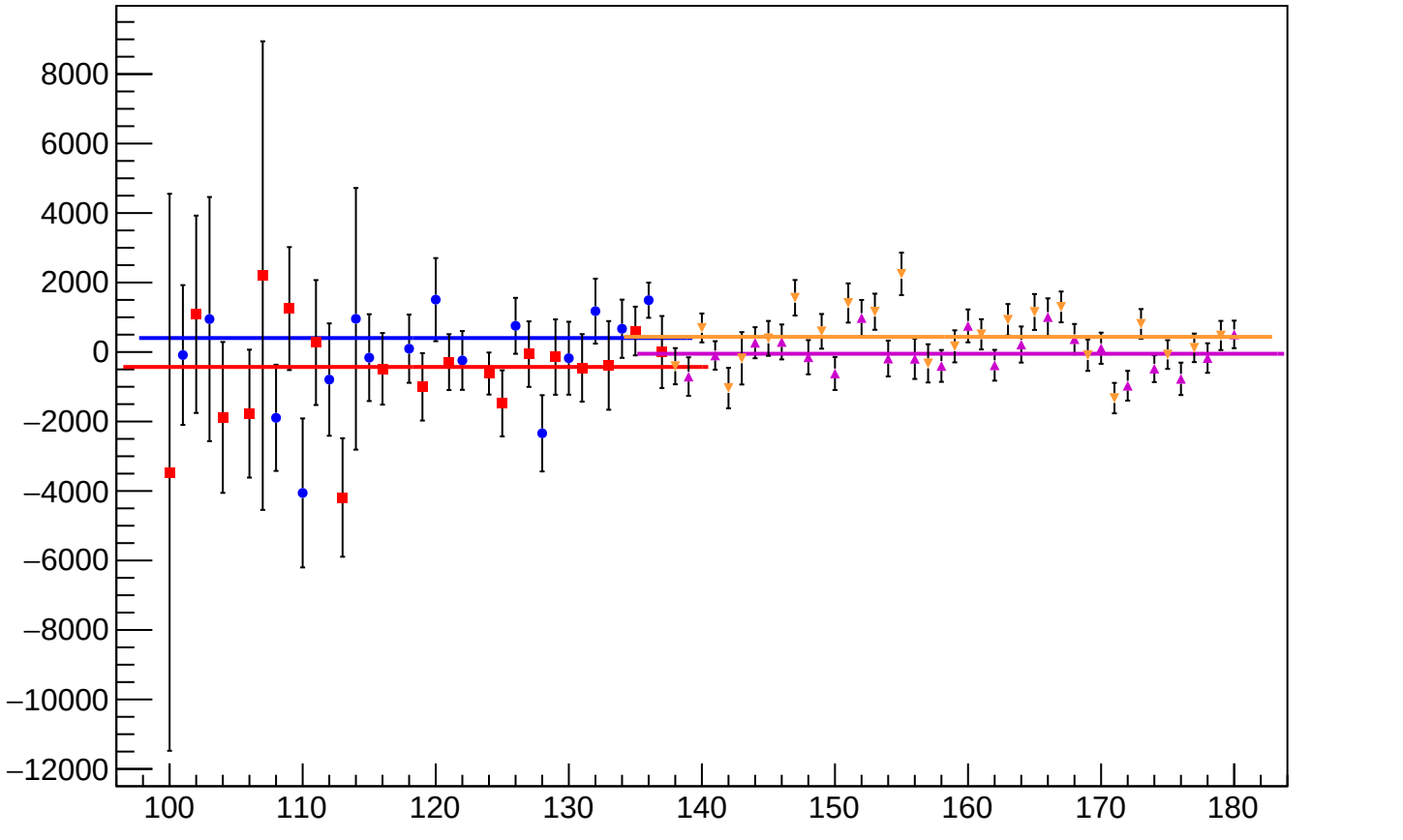
Left: 1813.512+/-0.218 χ^2/NDF: 14878.7/42

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1843.122+/-0.265 χ^2/NDF:683335.4/36

Out: 1855.552+/-0.264 χ^2/NDF:455643.1/40

All: 1849.354+/-0.187 χ^2/NDF: 1140080.3/77



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 436.509+/-102.312 χ^2/NDF:58.4/21

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -50.249+/-101.294 χ^2/NDF:27.4/20

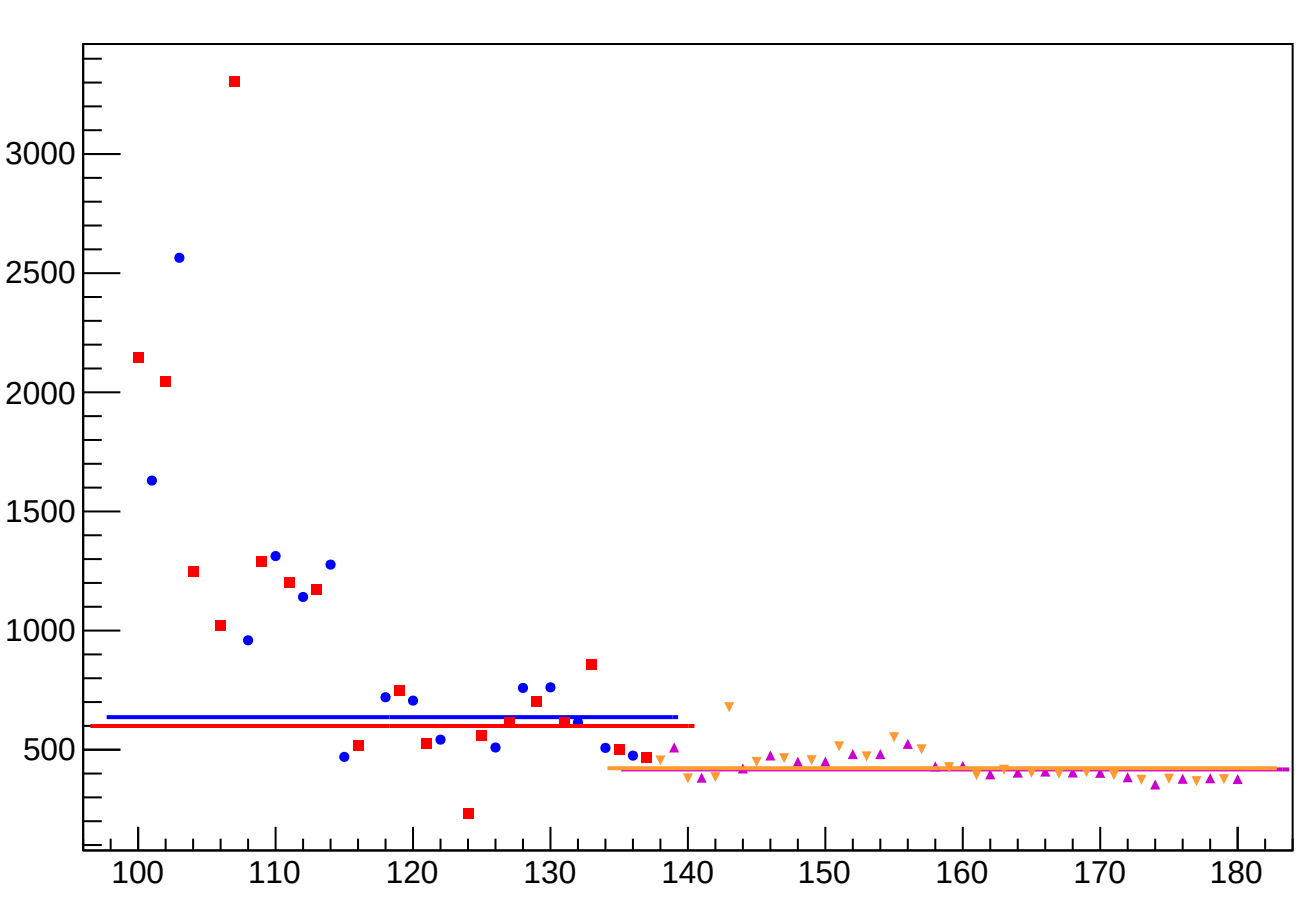
Left: 190.696+/-71.983 χ^2/NDF: 97.2/42

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 10.003+/-94.316 χ^2/NDF:51.2/36

Out: 314.565+/-94.841 χ^2/NDF:80.2/40

All: 161.438+/-66.876 χ^2/NDF: 136.6/77



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 422.337+/-0.072 χ^2/NDF:635794.4/21

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 417.215+/-0.072 χ^2/NDF:373905.3/20

Left: 419.750+/-0.051 χ^2/NDF: 1012230.4/42

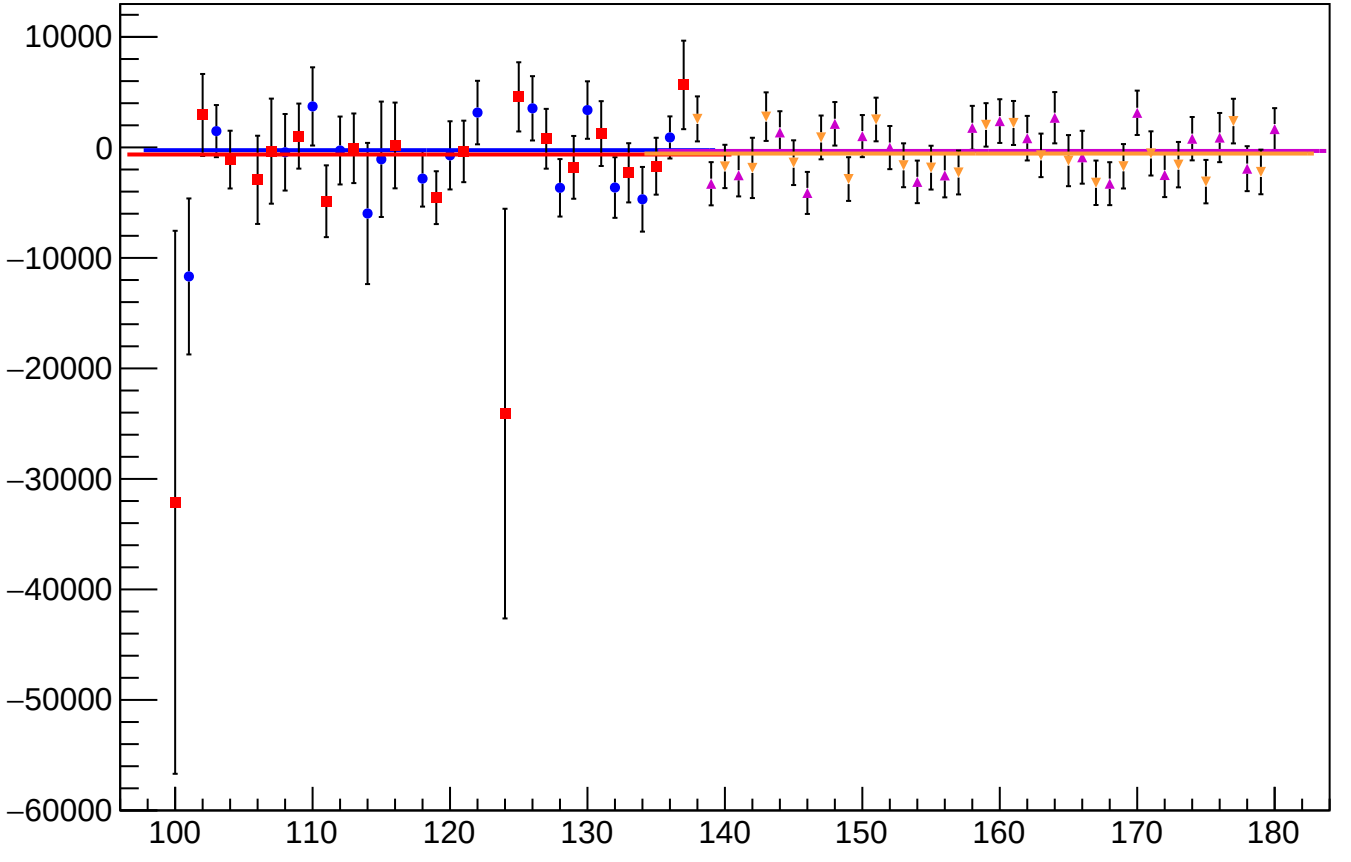
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 446.417+/-0.067 χ^2/NDF:3690090.9/36

Out: 447.286+/-0.067 χ^2/NDF:4425018.5/40

All: 446.849+/-0.047 χ^2/NDF: 8115193.8/77

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -320.701+/-435.995 χ^2/NDF:27.6/20

Left: -439.068+/-307.685 χ^2/NDF: 49.5/42

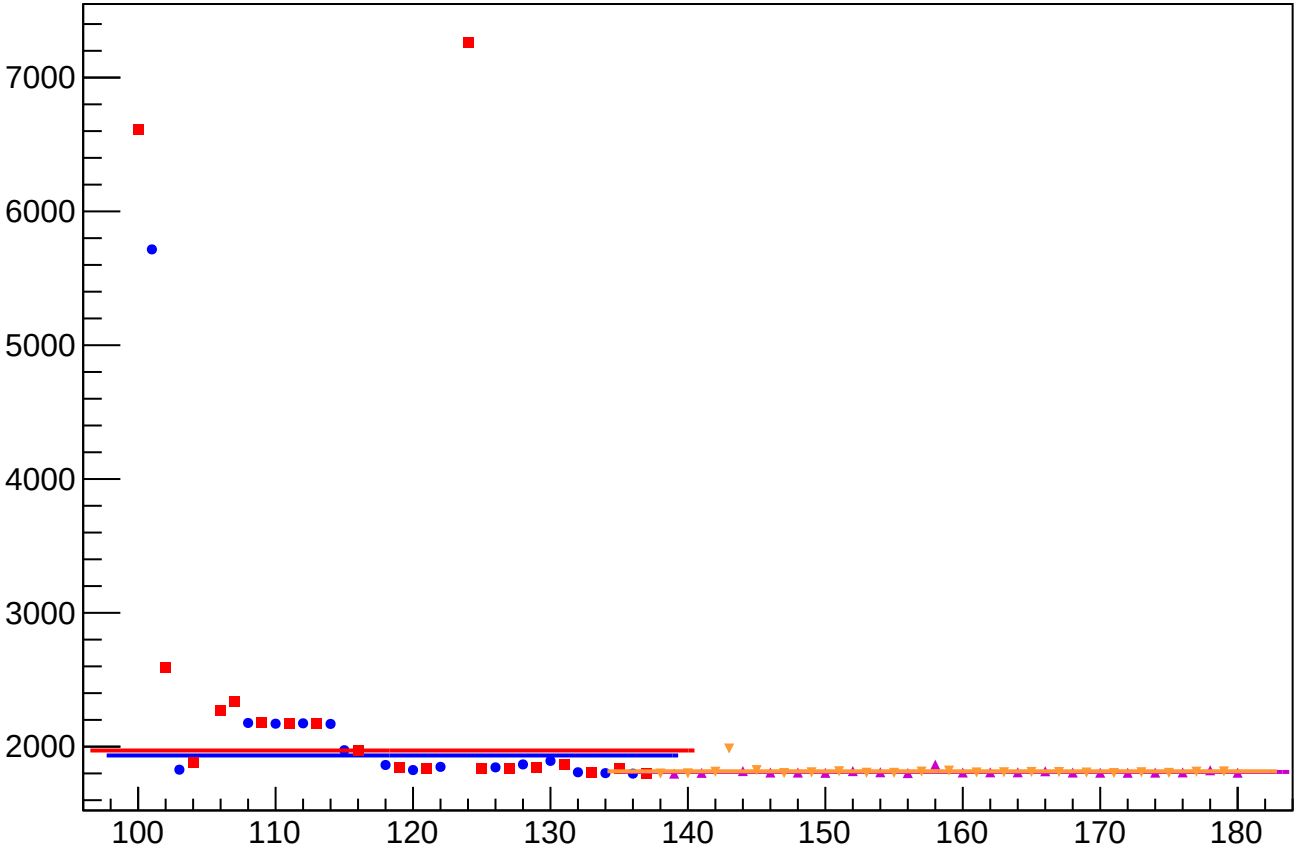
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -302.430+/-374.999 χ^2/NDF:44.9/36

Out: -578.265+/-374.092 χ^2/NDF:37.7/40

All: -440.681+/-264.843 χ^2/NDF: 82.9/77

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

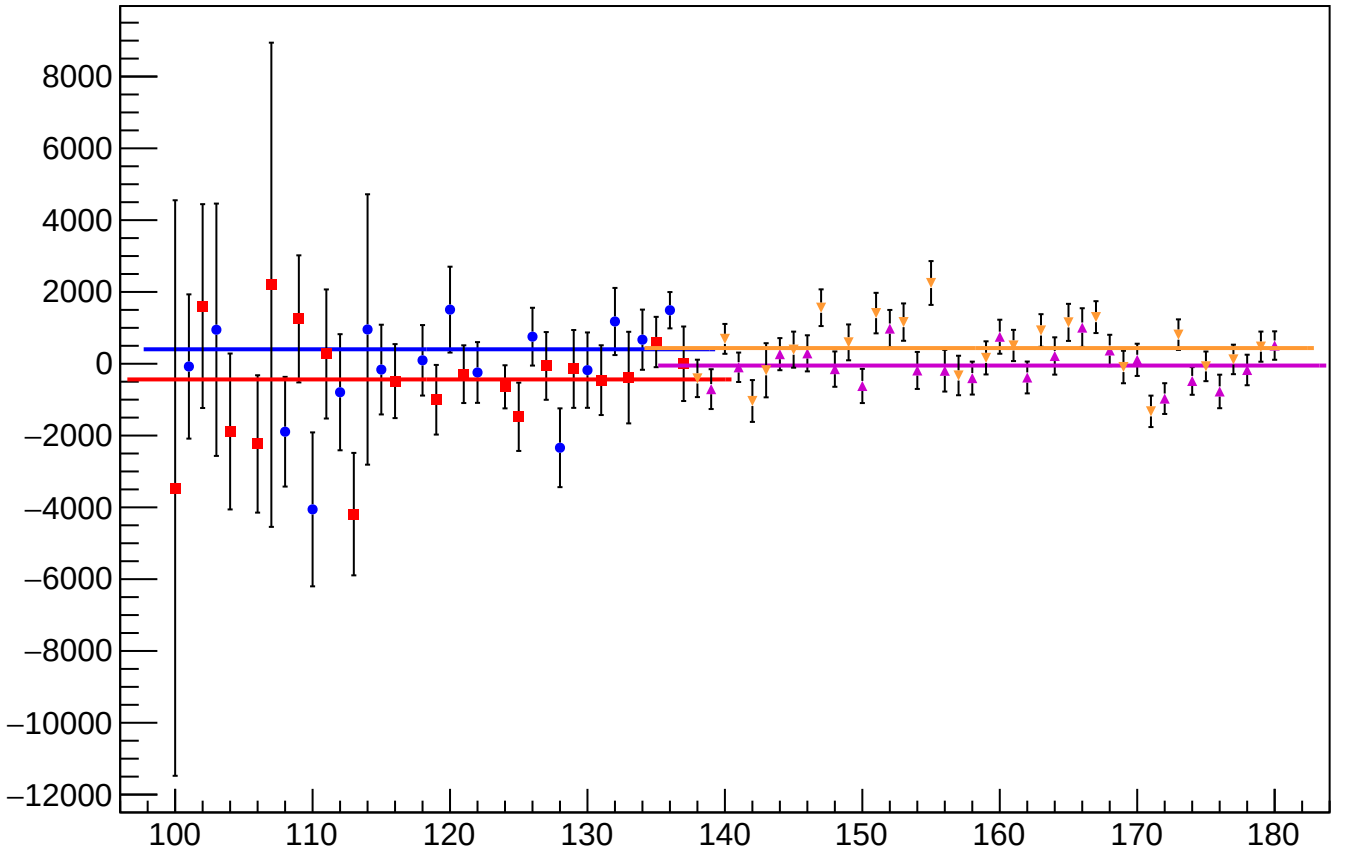
Left: 1813.512+/-0.218 χ^2/NDF: 14878.7/42

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1843.122+/-0.265 χ^2/NDF:683335.3/36

Out: 1856.022+/-0.265 χ^2/NDF:462119.9/40

All: 1849.587+/-0.187 χ^2/NDF: 1146641.3/77



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -50.229+/-101.293 χ^2/NDF:27.4/20

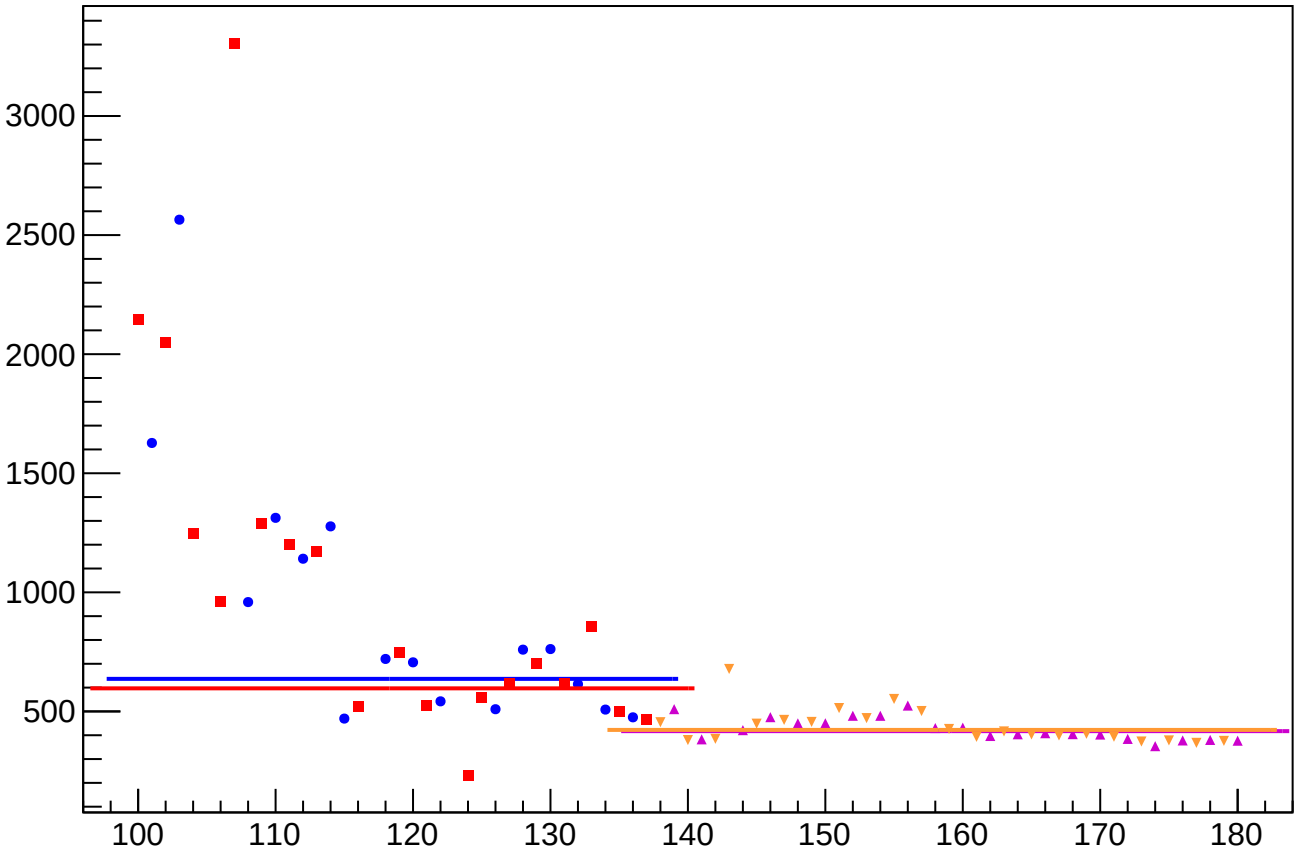
Left: 190.710+/-71.983 χ^2/NDF: 97.2/42

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 10.035+/-94.314 χ^2/NDF:51.2/36

Out: 313.516+/-94.833 χ^2/NDF:81.0/40

All: 160.943+/-66.873 χ^2/NDF: 137.3/77



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

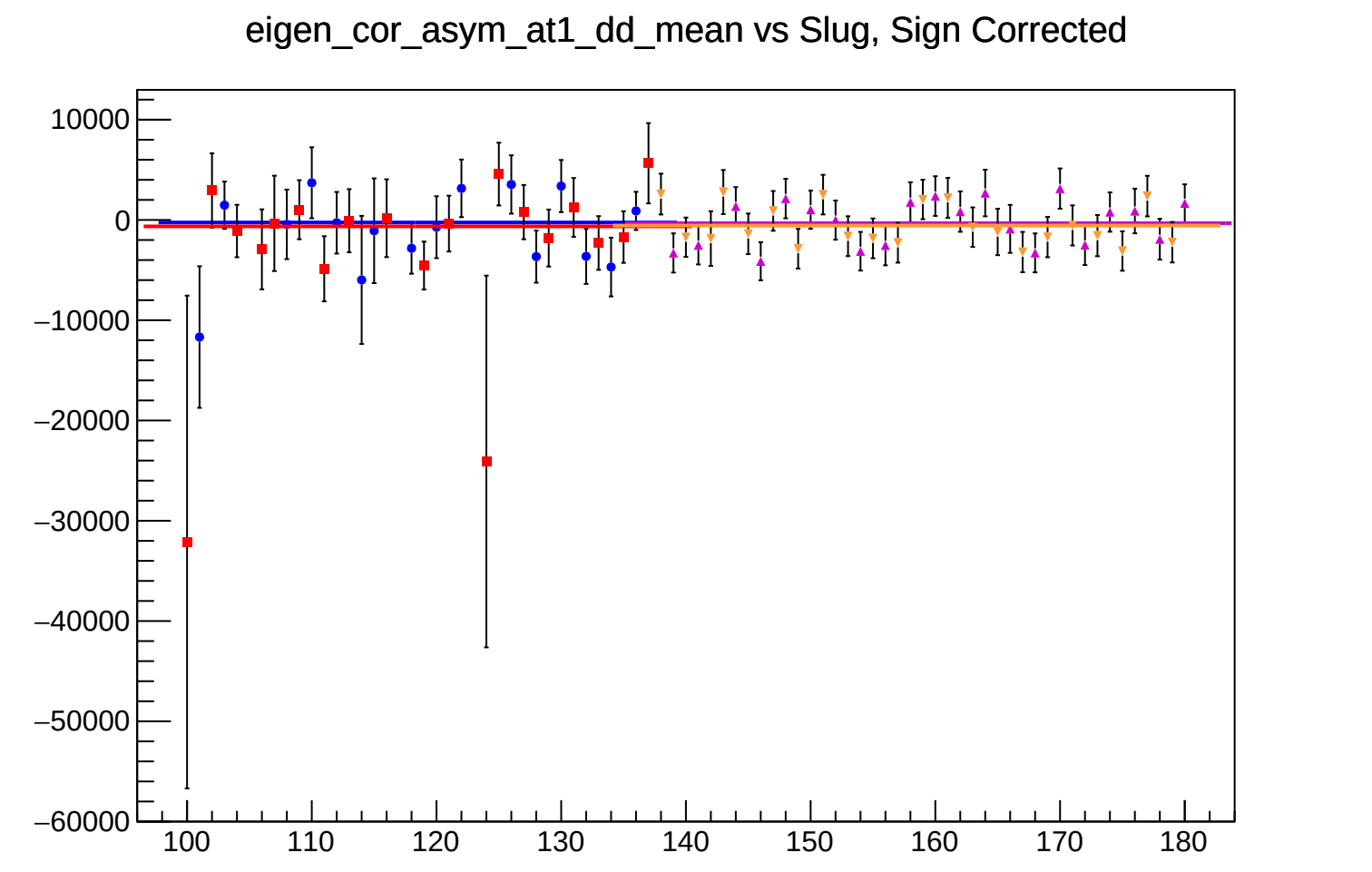
Left: 419.748+/-0.051 χ^2/NDF: 1012239.1/42

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 446.414+/-0.067 χ^2/NDF:3689370.1/36

Out: 446.921+/-0.067 χ^2/NDF:4385986.5/40

All: 446.666+/-0.047 χ^2/NDF: 8075385.3/77



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -320.701+/-435.995 χ^2/NDF:27.6/20

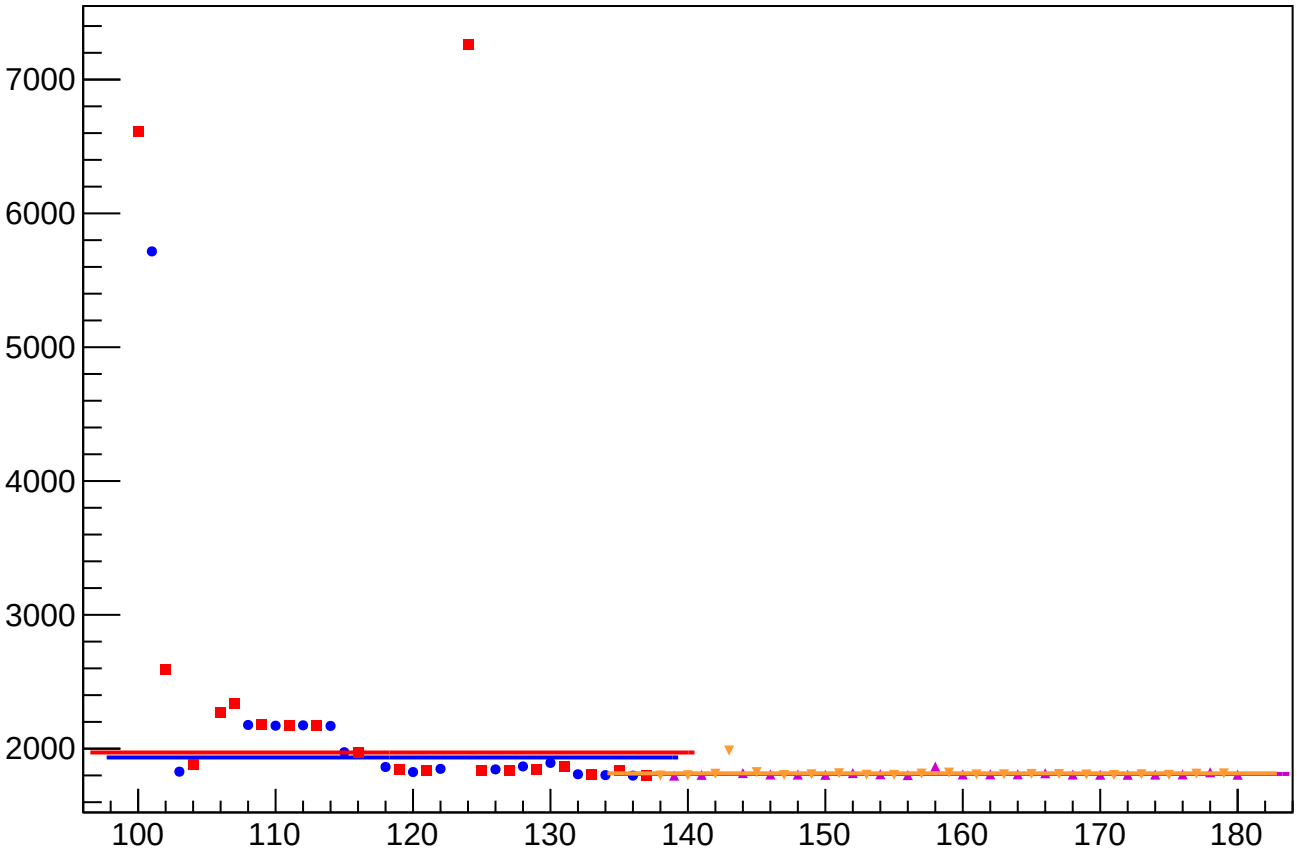
Left: -439.068+/-307.685 χ^2/NDF: 49.5/42

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -302.430+/-374.999 χ^2/NDF:44.9/36

Out: -578.265+/-374.092 χ^2/NDF:37.7/40

All: -440.681+/-264.843 χ^2/NDF: 82.9/77



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.078+/-0.308 χ^2/NDF:1899.7/20

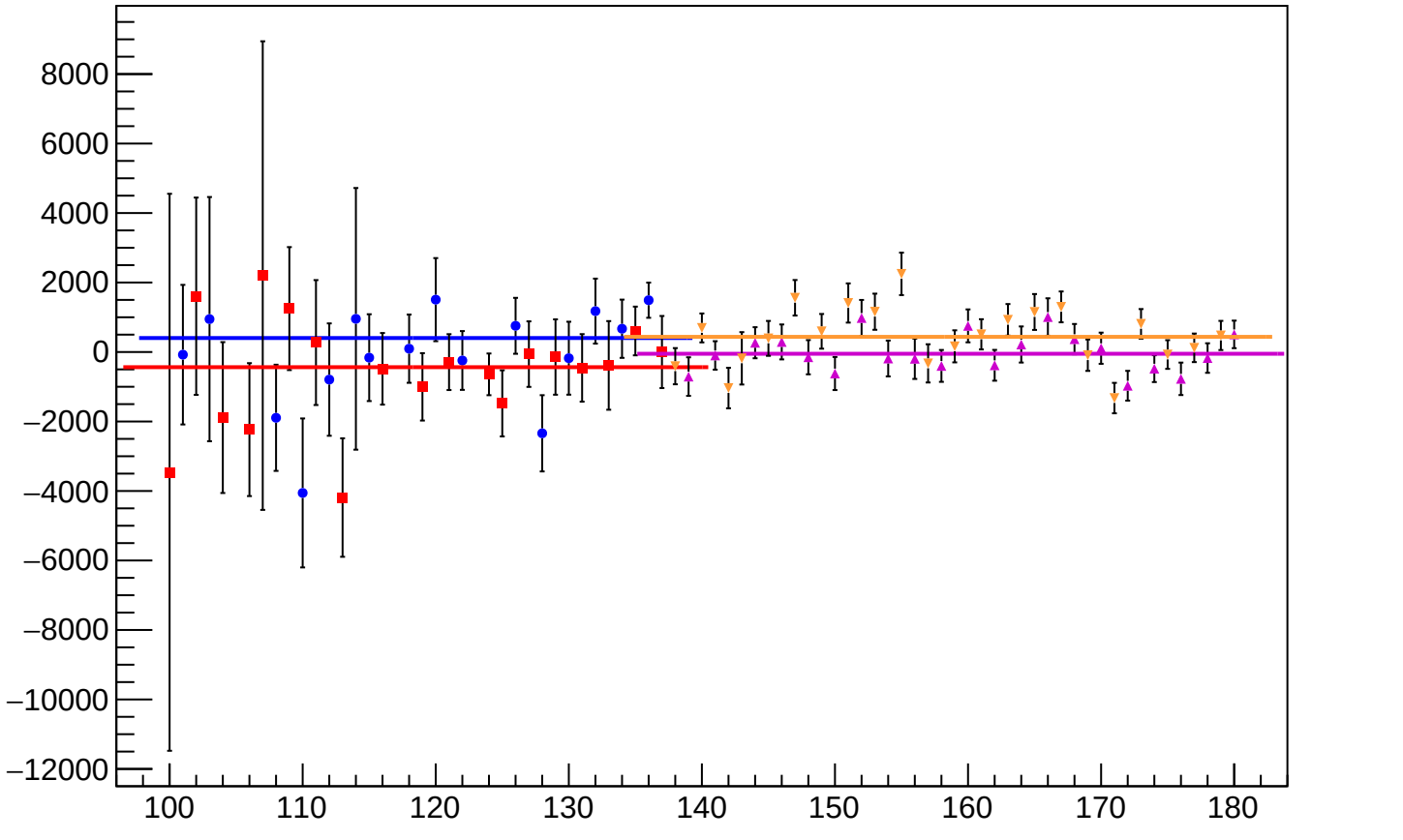
Left: 1813.512+/-0.218 χ^2/NDF: 14878.7/42

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1843.122+/-0.265 χ^2/NDF:683335.3/36

Out: 1856.022+/-0.265 χ^2/NDF:462119.9/40

All: 1849.587+/-0.187 χ^2/NDF: 1146641.3/77



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -50.229+/-101.293 χ^2/NDF:27.4/20

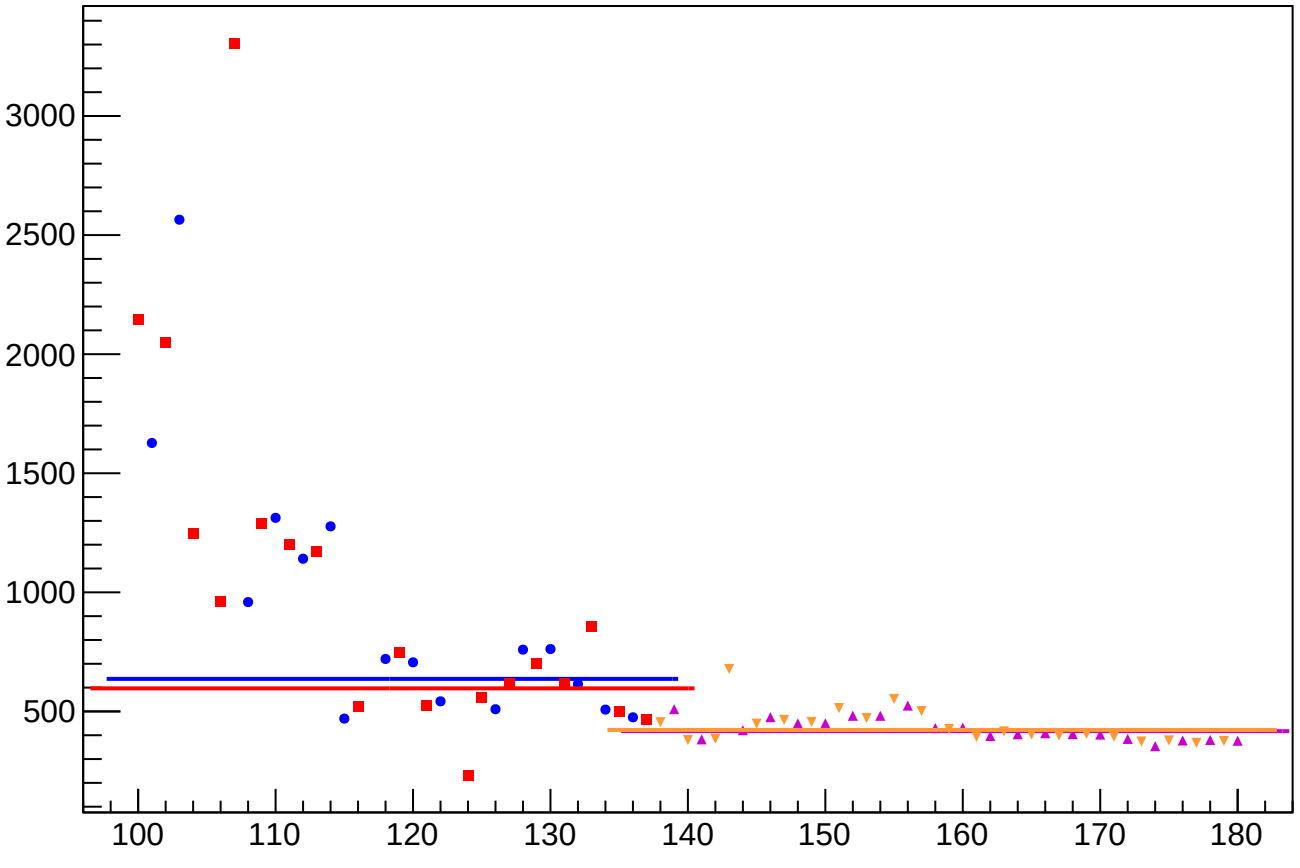
Left: 190.710+/-71.983 χ^2/NDF: 97.2/42

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 10.035+/-94.314 χ^2/NDF:51.2/36

Out: 313.516+/-94.833 χ^2/NDF:81.0/40

All: 160.943+/-66.873 χ^2/NDF: 137.3/77



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 417.211+/-0.072 χ^2/NDF:373934.5/20

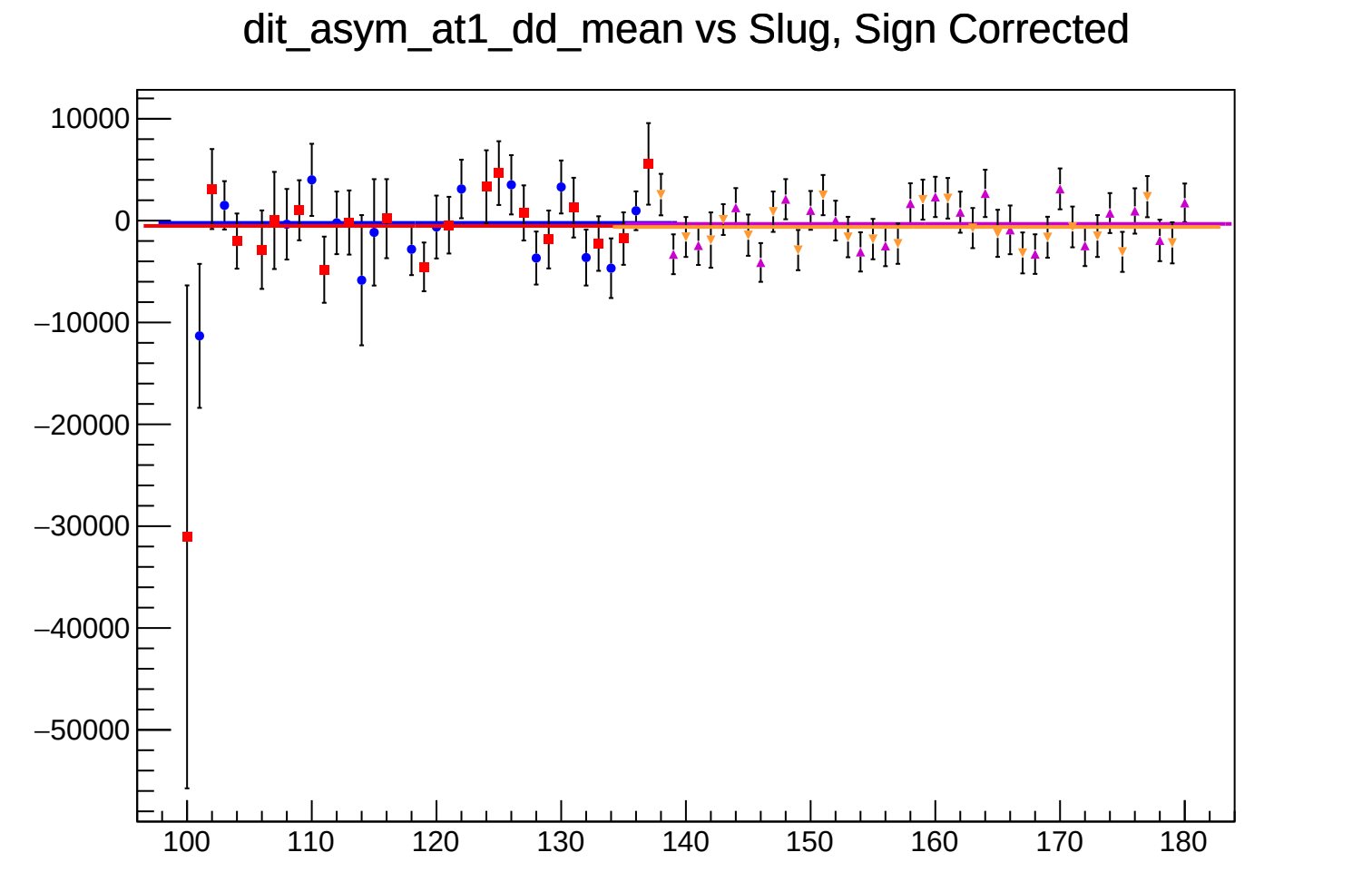
Left: 419.748+/-0.051 χ^2/NDF: 1012239.1/42

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 446.414+/-0.067 χ^2/NDF:3689370.1/36

Out: 446.921+/-0.067 χ^2/NDF:4385986.5/40

All: 446.666+/-0.047 χ^2/NDF: 8075385.3/77



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.625+/-425.175 χ^2/NDF:19.3/21

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -321.775+/-436.148 χ^2/NDF:27.2/20

Left: -478.083+/-304.449 χ^2/NDF: 46.7/42

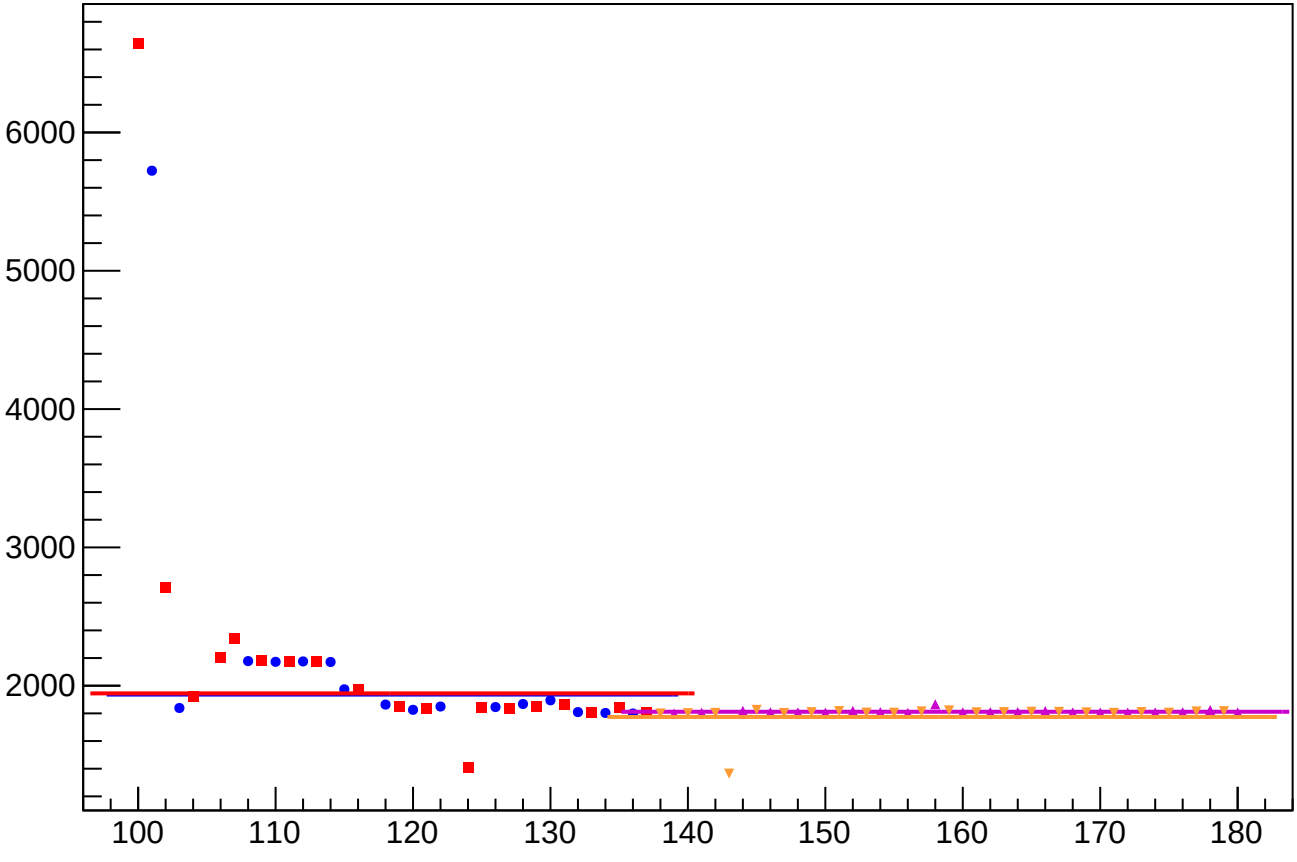
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -295.420+/-375.200 χ^2/NDF:44.3/36

Out: -599.405+/-366.756 χ^2/NDF:34.9/40

All: -450.872+/-262.270 χ^2/NDF: 79.5/77

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

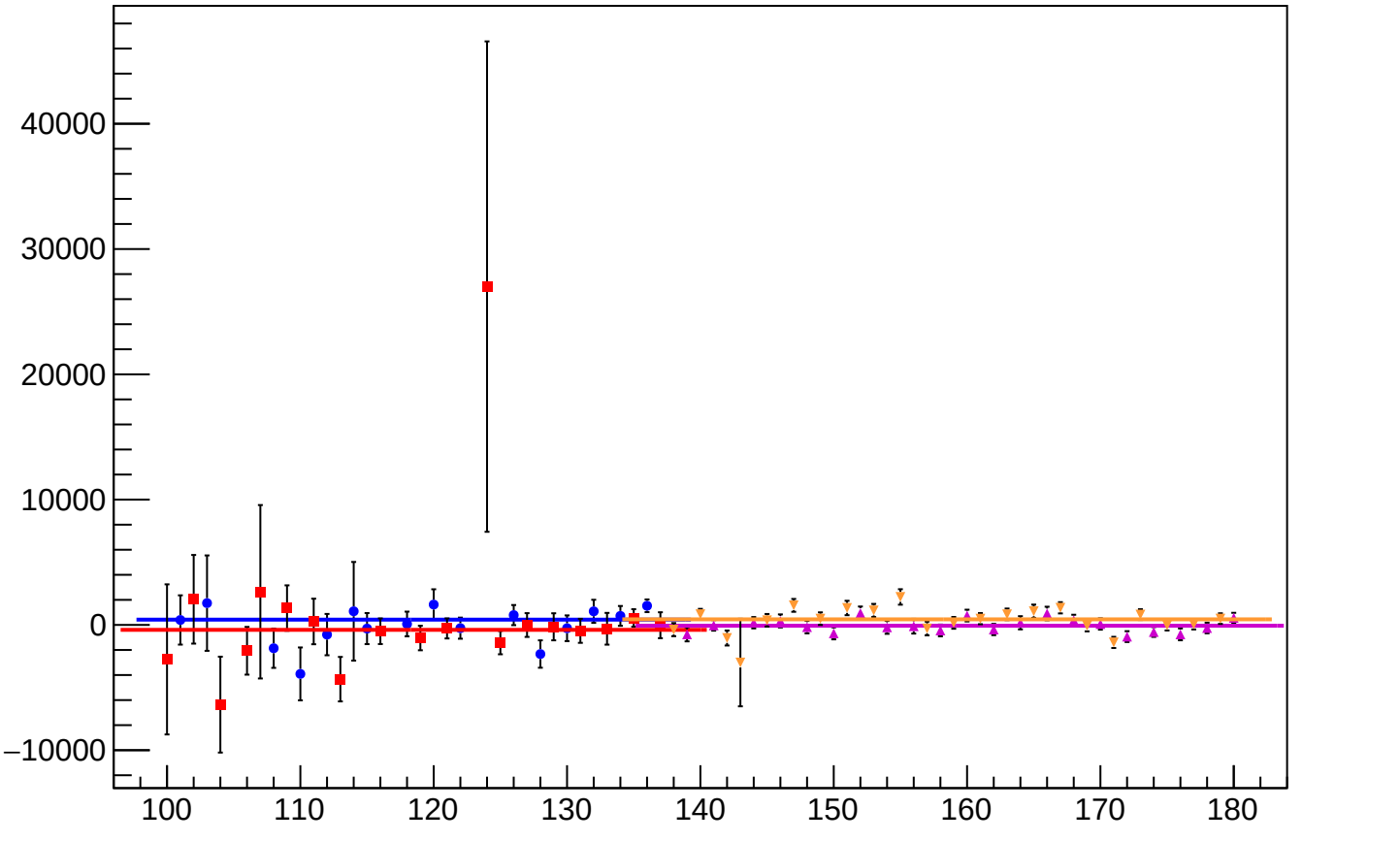
Left: 1792.421+/-0.215 χ^2/NDF: 170006.3/42

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1844.015+/-0.265 χ^2/NDF:683906.4/36

Out: 1817.699+/-0.259 χ^2/NDF:518921.7/40

All: 1830.558+/-0.185 χ^2/NDF: 1207859.6/77



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.778+/-104.593 χ^2/NDF:57.8/21

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -63.958+/-102.661 χ^2/NDF:26.6/20

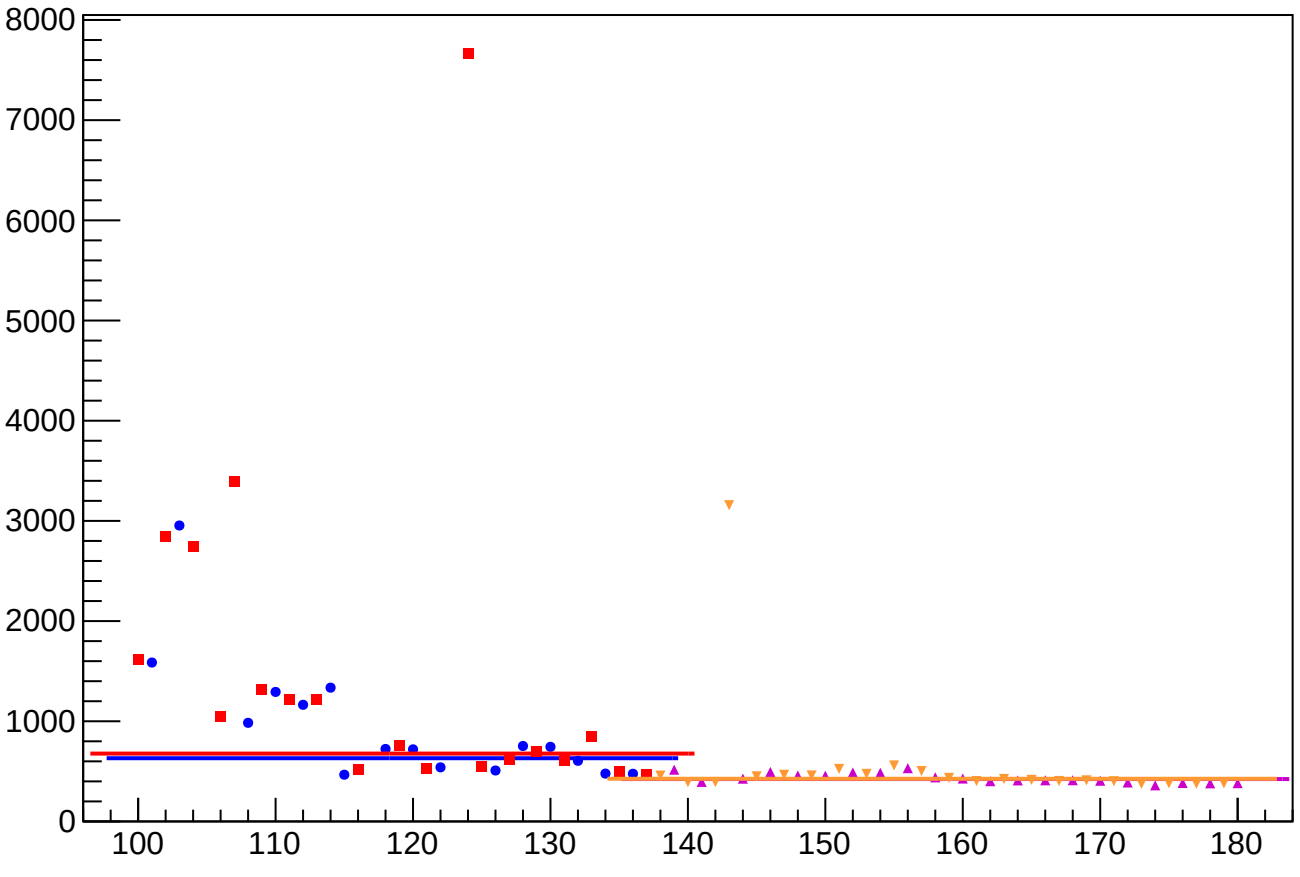
Left: 186.157+/-73.266 χ^2/NDF: 96.6/42

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 2.909+/-95.323 χ^2/NDF:51.2/36

Out: 342.714+/-97.962 χ^2/NDF:81.6/40

All: 168.174+/-68.317 χ^2/NDF: 139.0/77



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604446.8/21

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 423.263+/-0.073 χ^2/NDF:380600.3/20

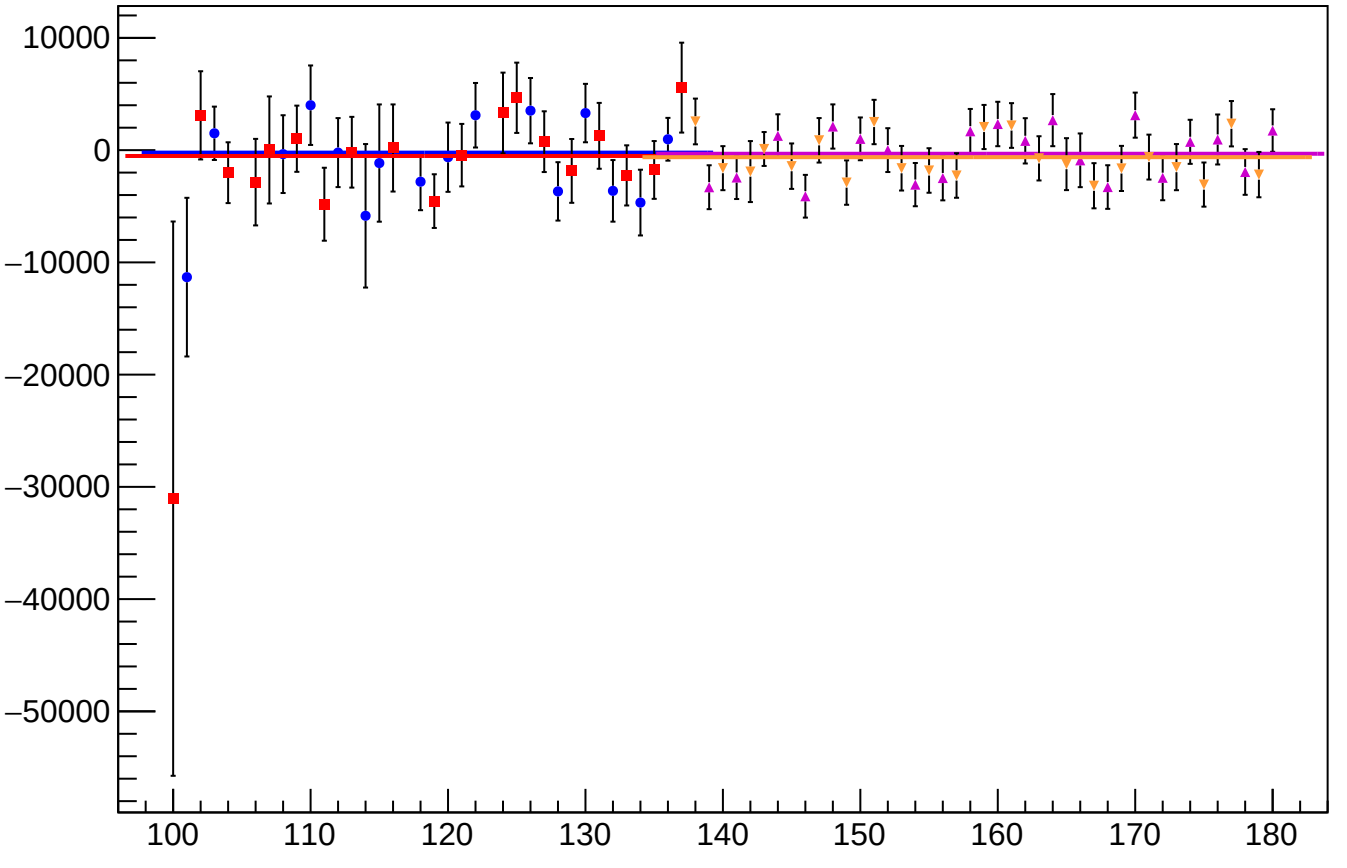
Left: 424.663+/-0.052 χ^2/NDF: 1985804.9/42

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 451.917+/-0.067 χ^2/NDF:3745426.5/36

Out: 456.975+/-0.069 χ^2/NDF:6103894.2/40

All: 454.377+/-0.048 χ^2/NDF: 9852059.4/77



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.626+/-425.175 χ^2/NDF:19.3/21

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -321.775+/-436.148 χ^2/NDF:27.2/20

Left: -478.083+/-304.449 χ^2/NDF: 46.7/42

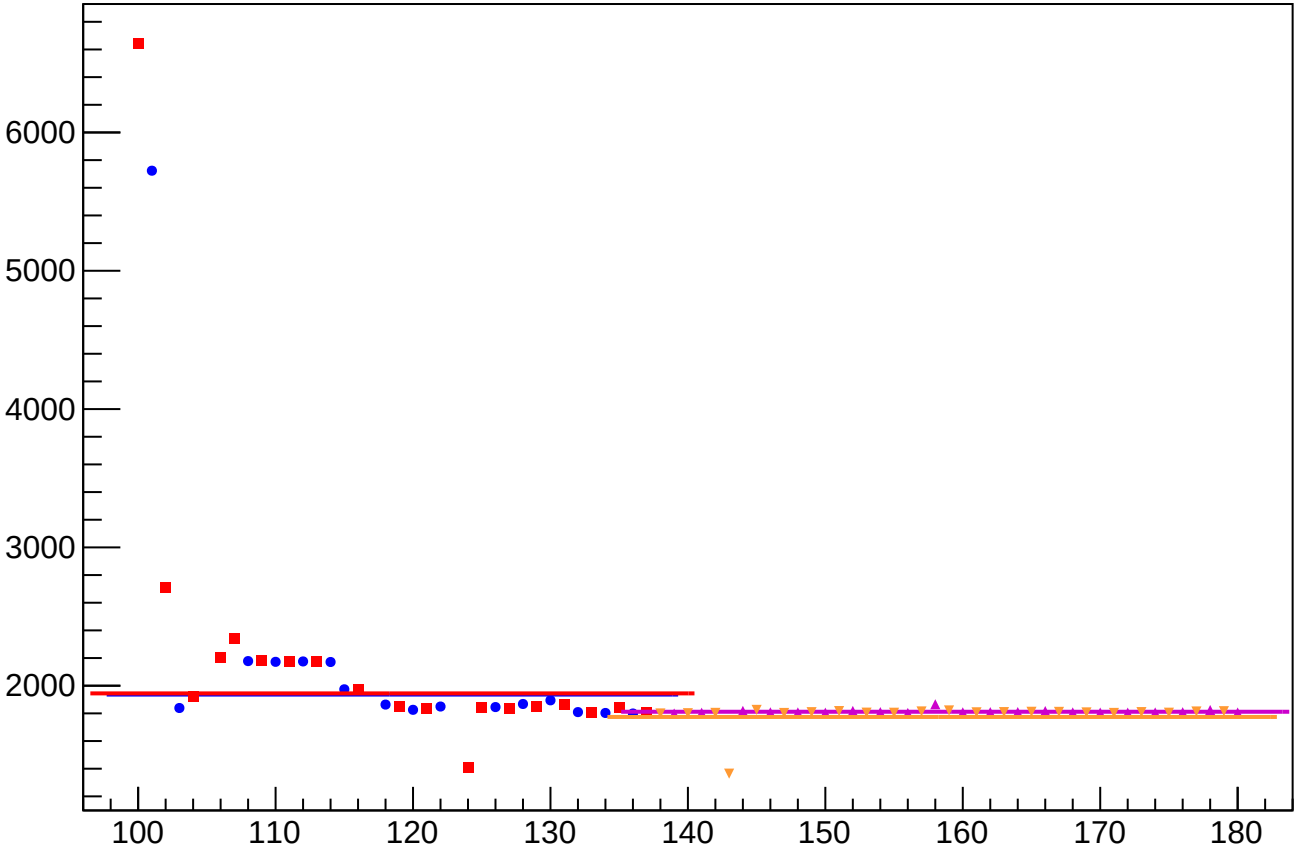
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -295.420+/-375.200 χ^2/NDF:44.3/36

Out: -599.406+/-366.756 χ^2/NDF:34.9/40

All: -450.872+/-262.270 χ^2/NDF: 79.5/77

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.712+/-0.308 χ^2/NDF:1895.8/20

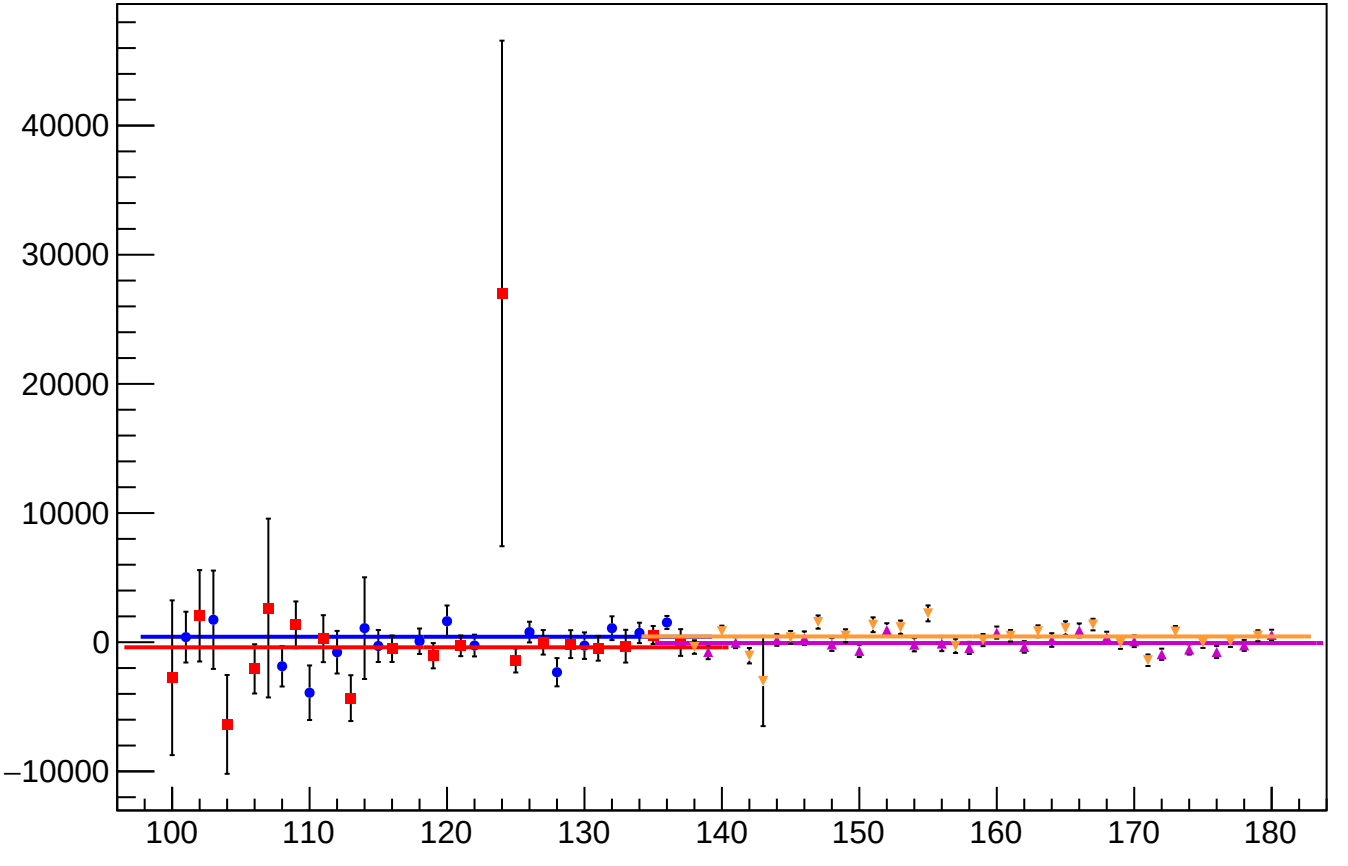
Left: 1792.421+/-0.215 χ^2/NDF: 170006.2/42

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1844.015+/-0.265 χ^2/NDF:683906.4/36

Out: 1817.699+/-0.259 χ^2/NDF:518921.5/40

All: 1830.557+/-0.185 χ^2/NDF: 1207859.4/77



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.777+/-104.593 χ^2/NDF:57.8/21

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -63.957+/-102.661 χ^2/NDF:26.6/20

Left: 186.157+/-73.266 χ^2/NDF: 96.6/42

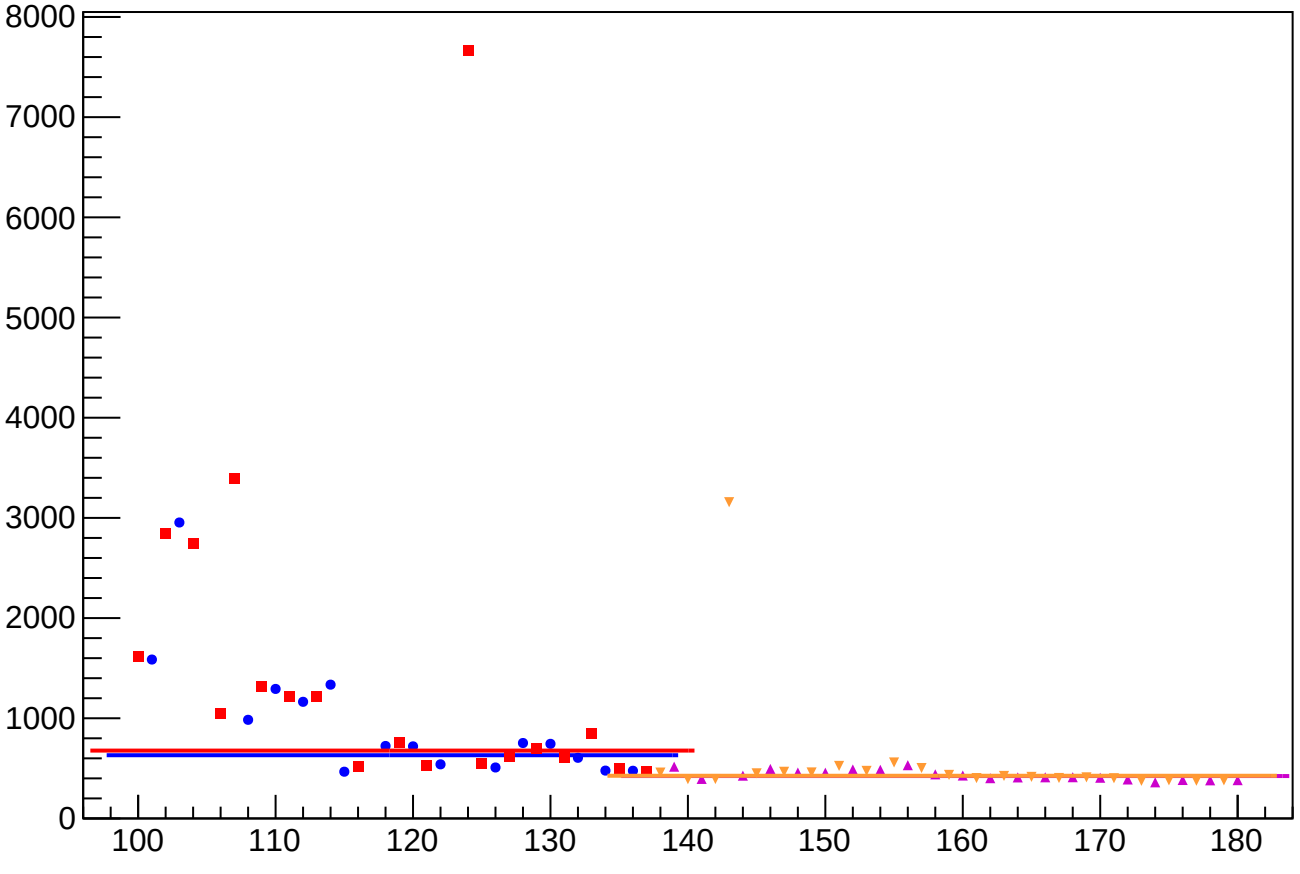
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 2.909+/-95.323 χ^2/NDF:51.2/36

Out: 342.713+/-97.962 χ^2/NDF:81.6/40

All: 168.174+/-68.317 χ^2/NDF: 139.0/77

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604448.2/21

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 423.263+/-0.073 χ^2/NDF:380603.4/20

Left: 424.662+/-0.052 χ^2/NDF: 1985809.3/42

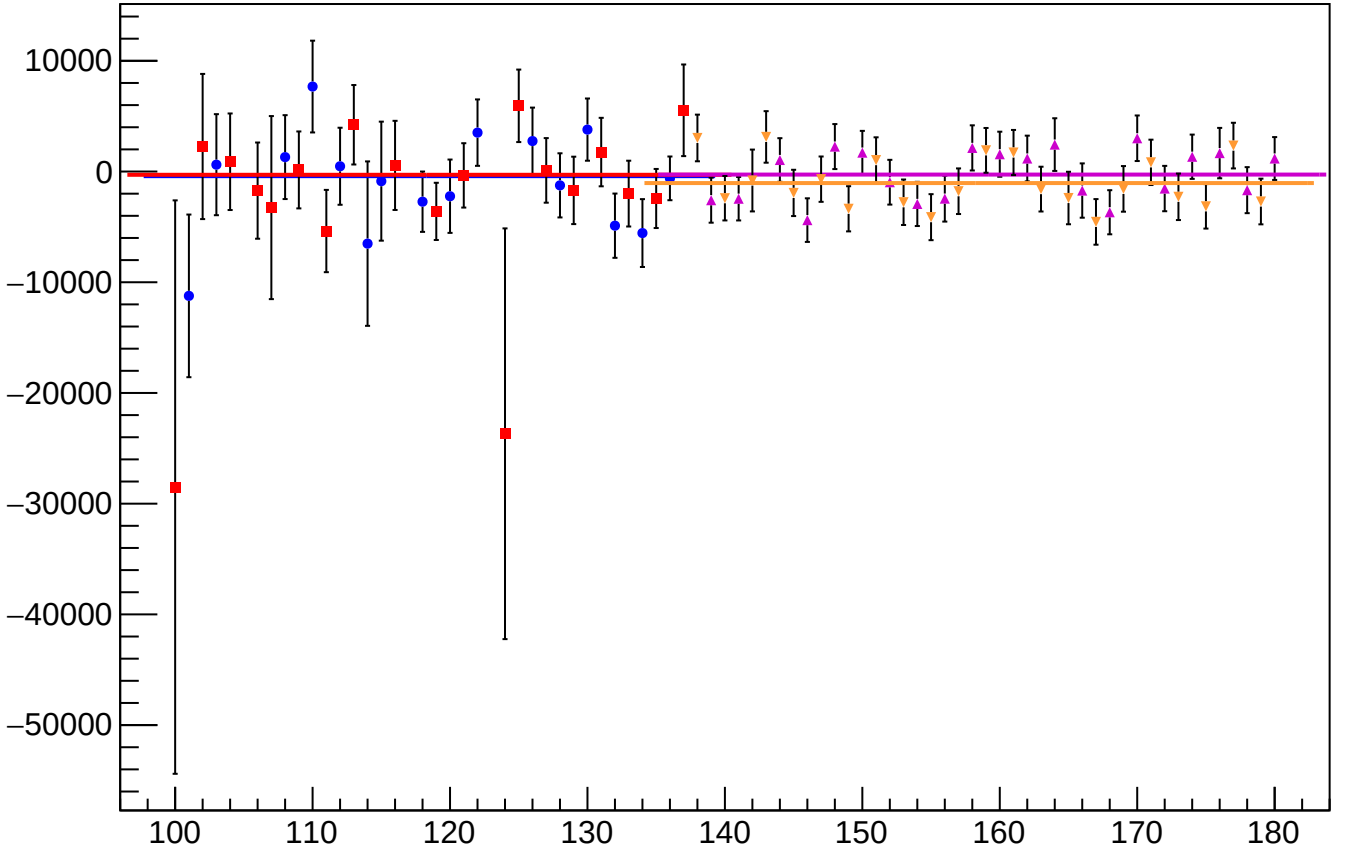
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 451.916+/-0.067 χ^2/NDF:3745429.2/36

Out: 456.974+/-0.069 χ^2/NDF:6103897.6/40

All: 454.376+/-0.048 χ^2/NDF: 9852065.4/77

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1041.504+/-447.383 χ^2/NDF:25.9/21

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -274.685+/-448.403 χ^2/NDF:25.5/20

Left: -658.968+/-316.708 χ^2/NDF: 52.9/42

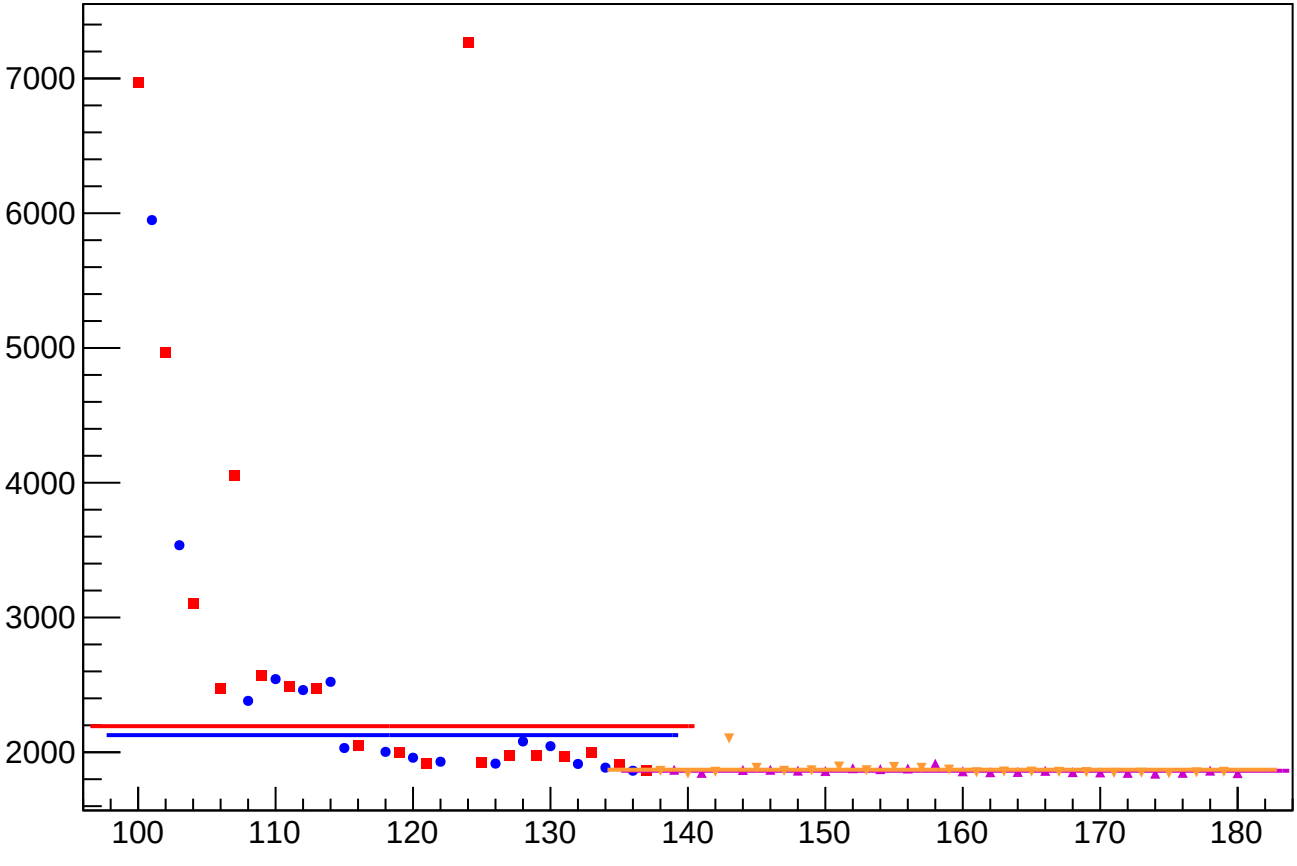
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -307.885+/-392.908 χ^2/NDF:43.8/36

Out: -873.842+/-393.988 χ^2/NDF:42.2/40

All: -590.087+/-278.209 χ^2/NDF: 87.1/77

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1870.449+/-0.316 χ^2/NDF:22869.6/21

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1862.586+/-0.317 χ^2/NDF:2704.5/20

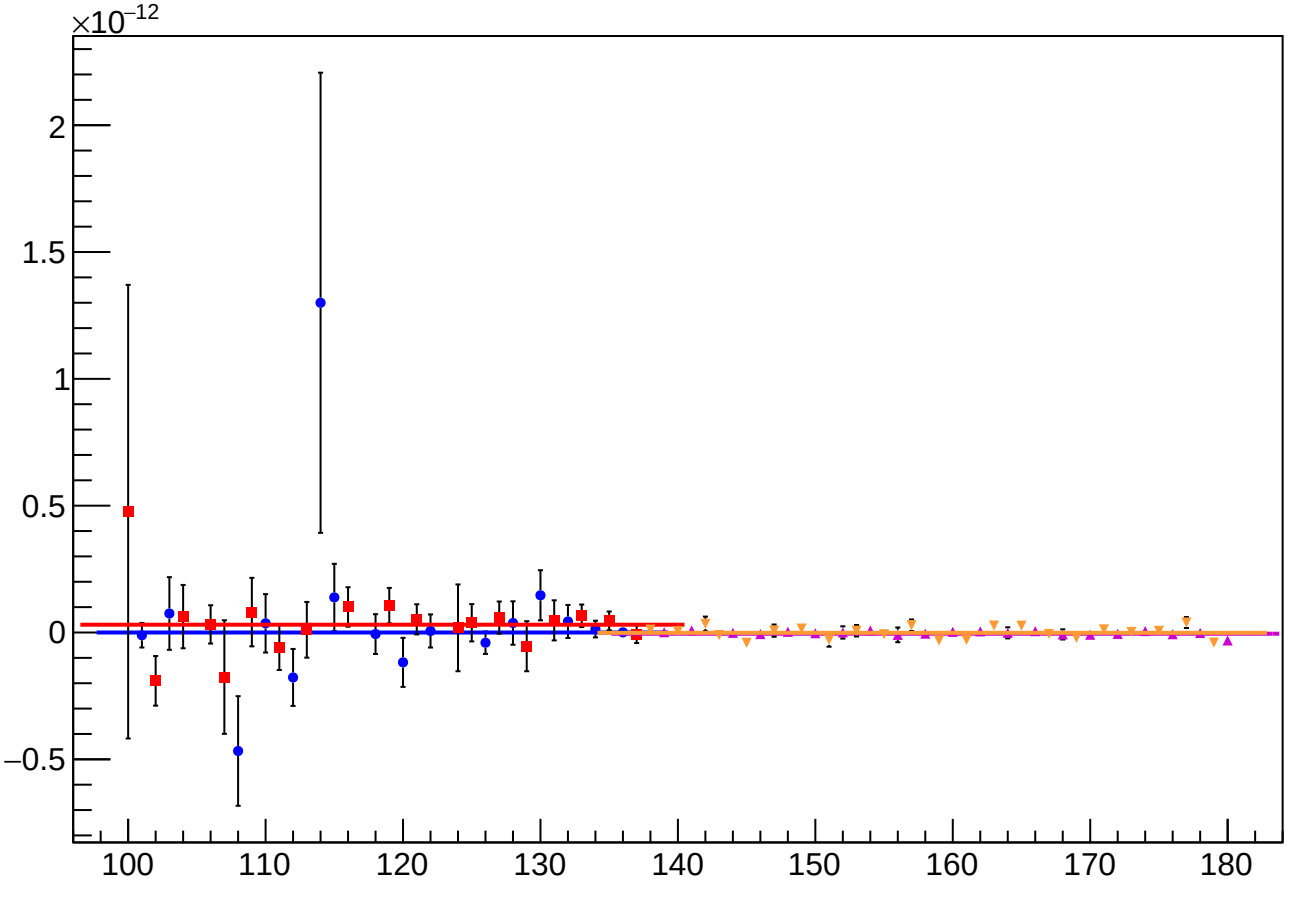
Left: 1866.526+/-0.224 χ^2/NDF: 25882.3/42

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1923.994+/-0.278 χ^2/NDF:1039319.4/36

Out: 1942.973+/-0.279 χ^2/NDF:1199605.8/40

All: 1933.457+/-0.197 χ^2/NDF: 2241252.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/20

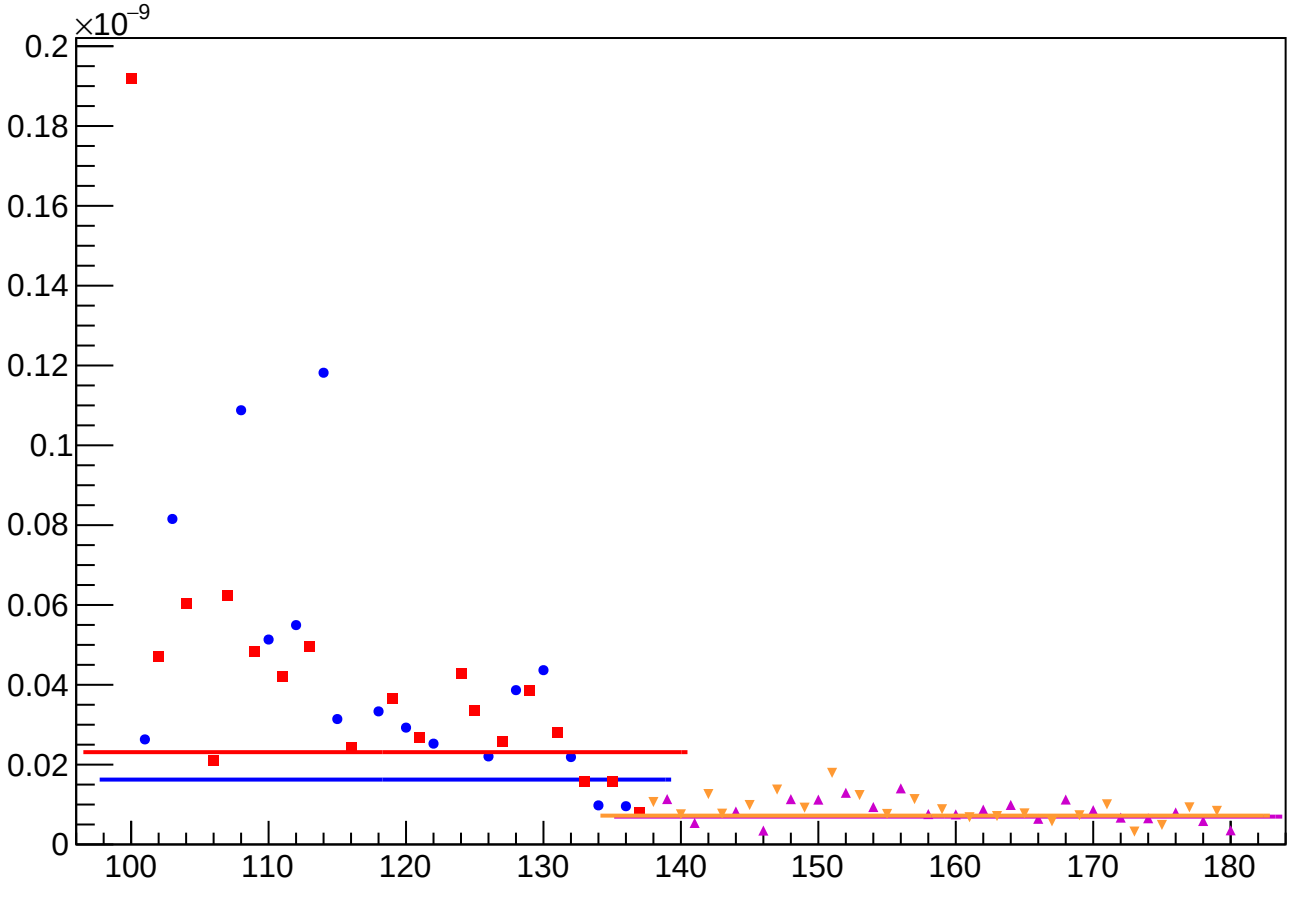
Left: -0.000+/-0.000 χ^2/NDF: 54.2/42

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:30.8/36

Out: 0.000+/-0.000 χ^2/NDF:55.4/40

All: -0.000+/-0.000 χ^2/NDF: 87.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1598152.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1445833.7/20

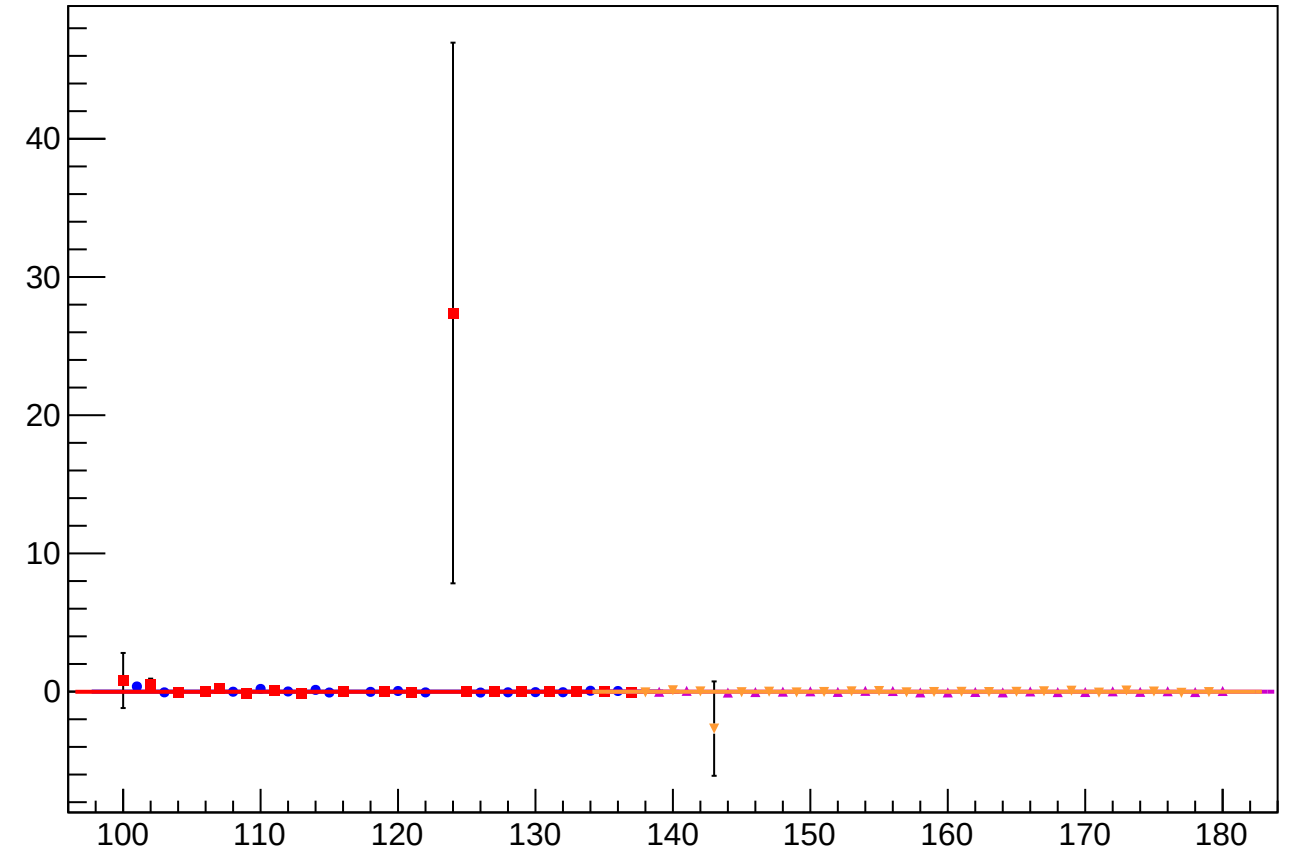
Left: 0.000+/-0.000 χ^2/NDF: 3050258.4/42

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4877611.9/36

Out: 0.000+/-0.000 χ^2/NDF:4978096.6/40

All: 0.000+/-0.000 χ^2/NDF: 9862417.5/77



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.009 χ^2/NDF:20.1/20

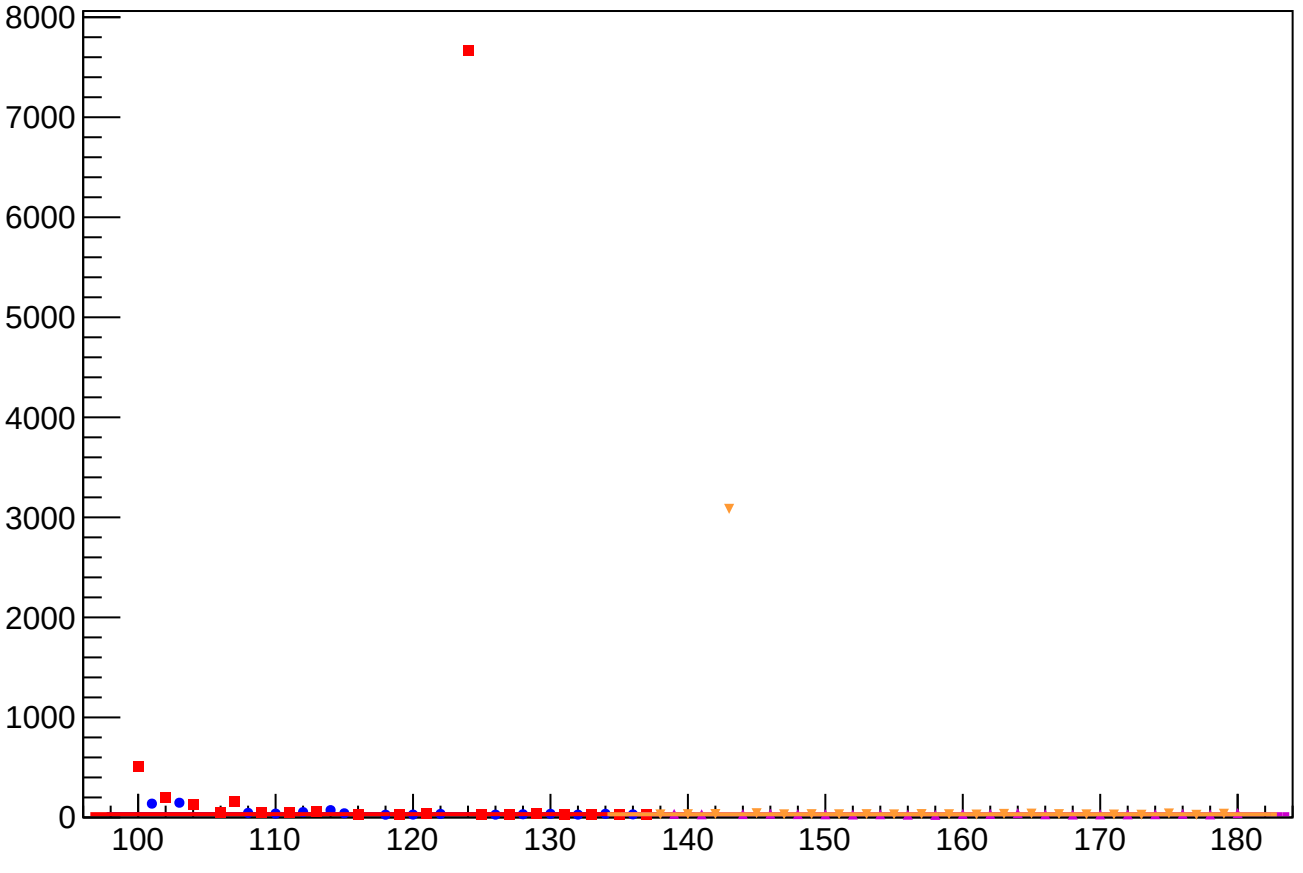
Left: -0.007+/-0.006 χ^2/NDF: 55.7/42

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.007 χ^2/NDF:41.3/36

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.006+/-0.005 χ^2/NDF: 91.4/77



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

Left: 32.337+/-0.004 χ^2/NDF: 2337976.3/42

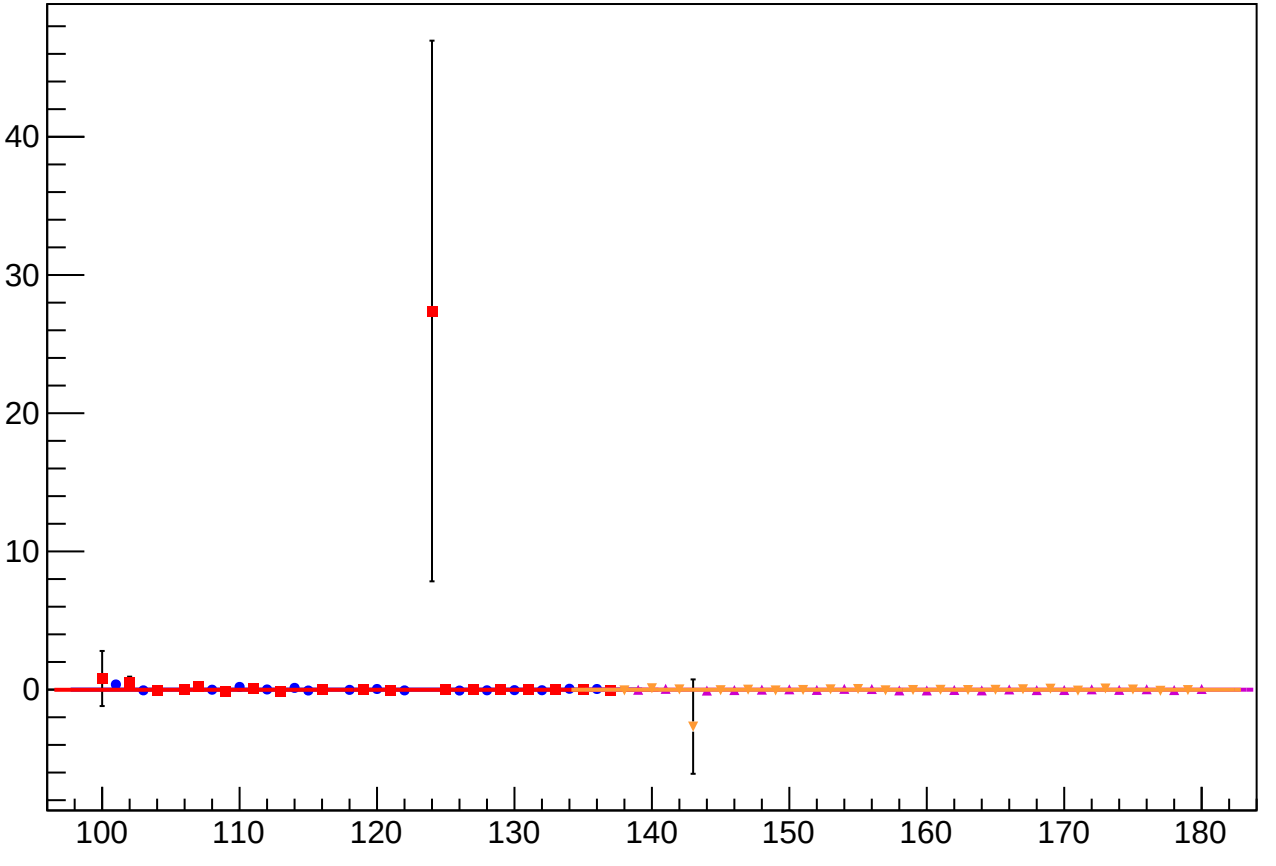
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.043+/-0.005 χ^2/NDF:2120367.9/36

Out: 32.256+/-0.005 χ^2/NDF:4023946.1/40

All: 32.649+/-0.004 χ^2/NDF: 6155509.1/77

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: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.009 χ^2/NDF:20.1/20

Left: -0.007+/-0.006 χ^2/NDF: 55.7/42

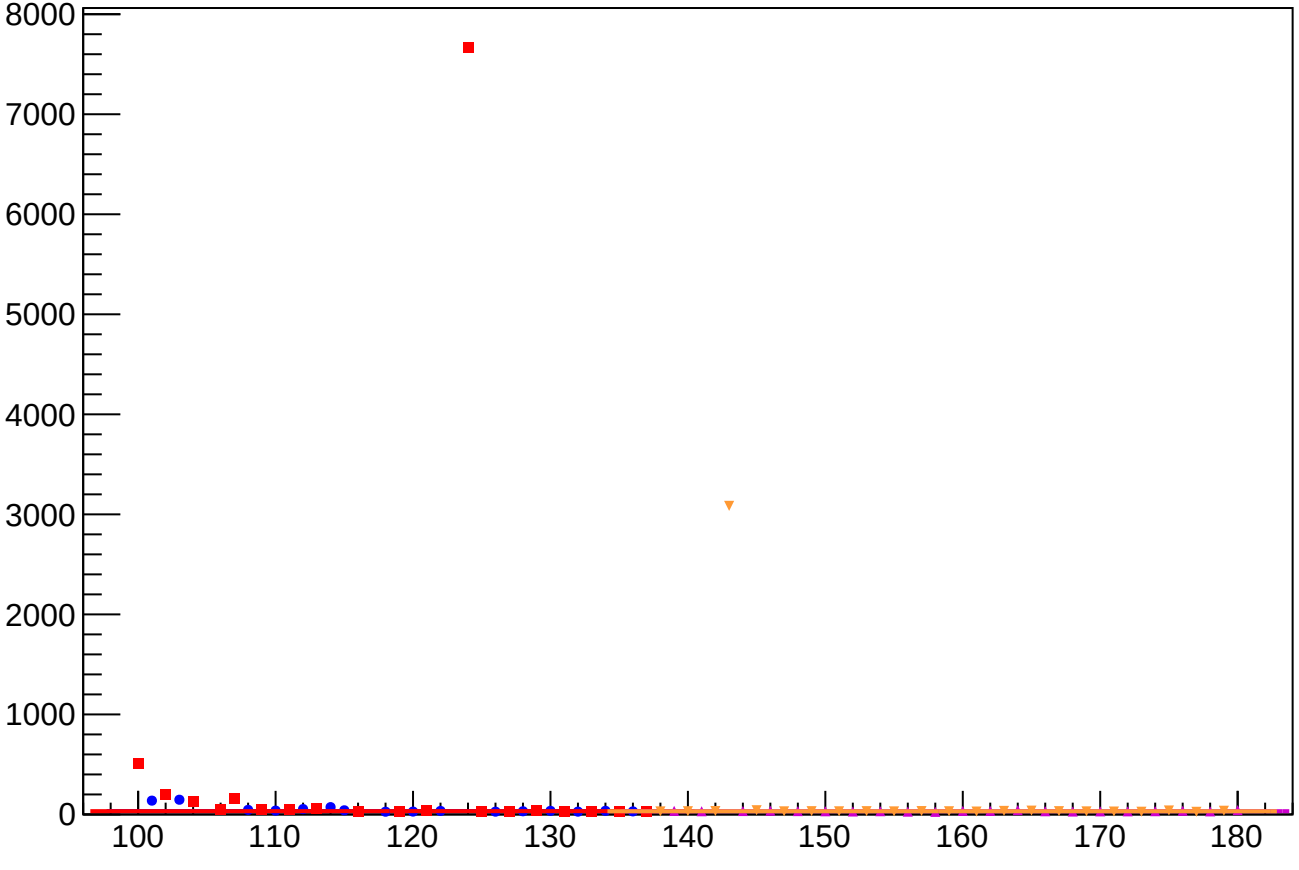
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.007 χ^2/NDF:41.3/36

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.006+/-0.005 χ^2/NDF: 91.4/77

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.697+/-0.006 χ^2/NDF:390465.7/20

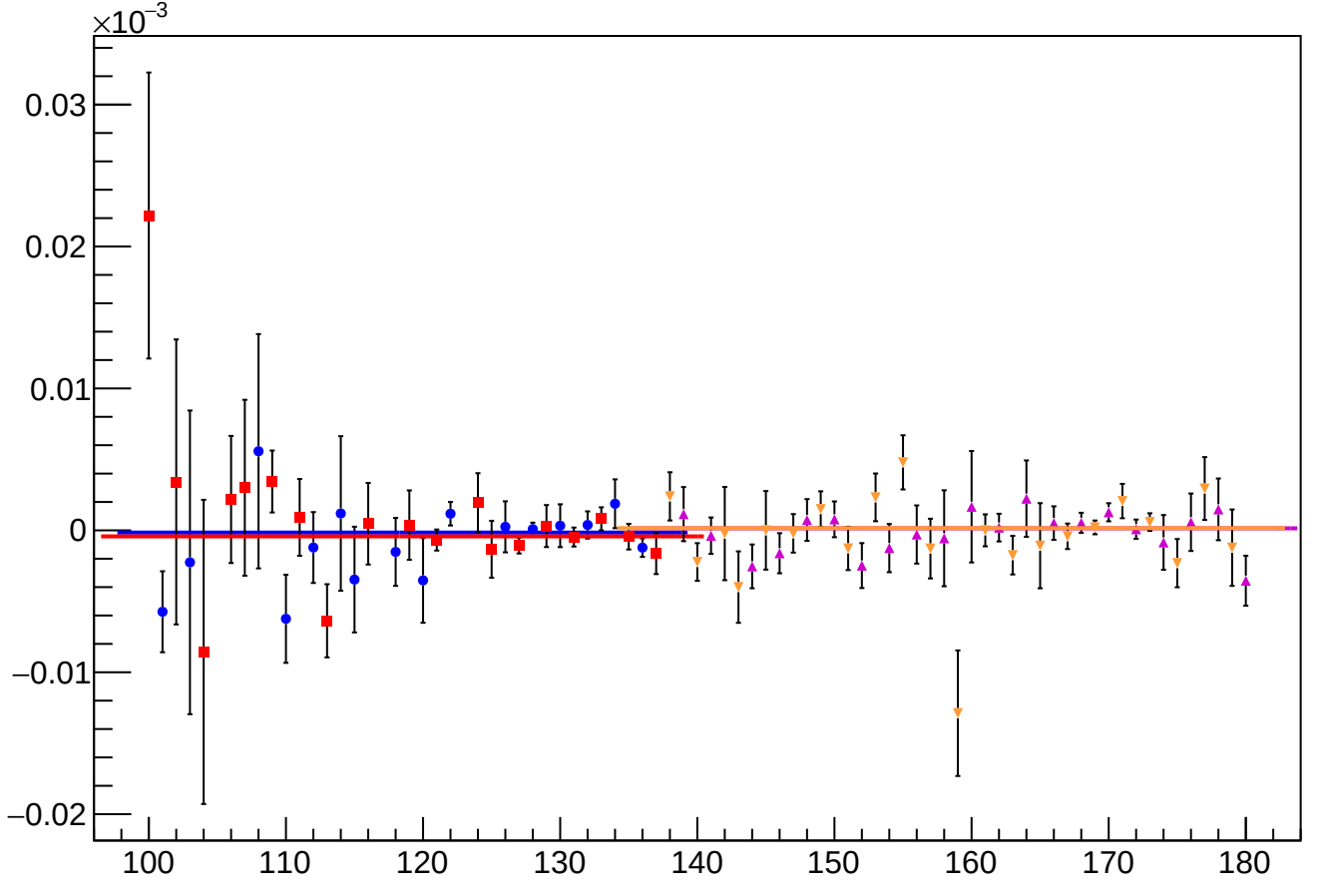
Left: 32.337+/-0.004 χ^2/NDF: 2337976.3/42

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.043+/-0.005 χ^2/NDF:2120367.9/36

Out: 32.256+/-0.005 χ^2/NDF:4023946.1/40

All: 32.649+/-0.004 χ^2/NDF: 6155509.1/77



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

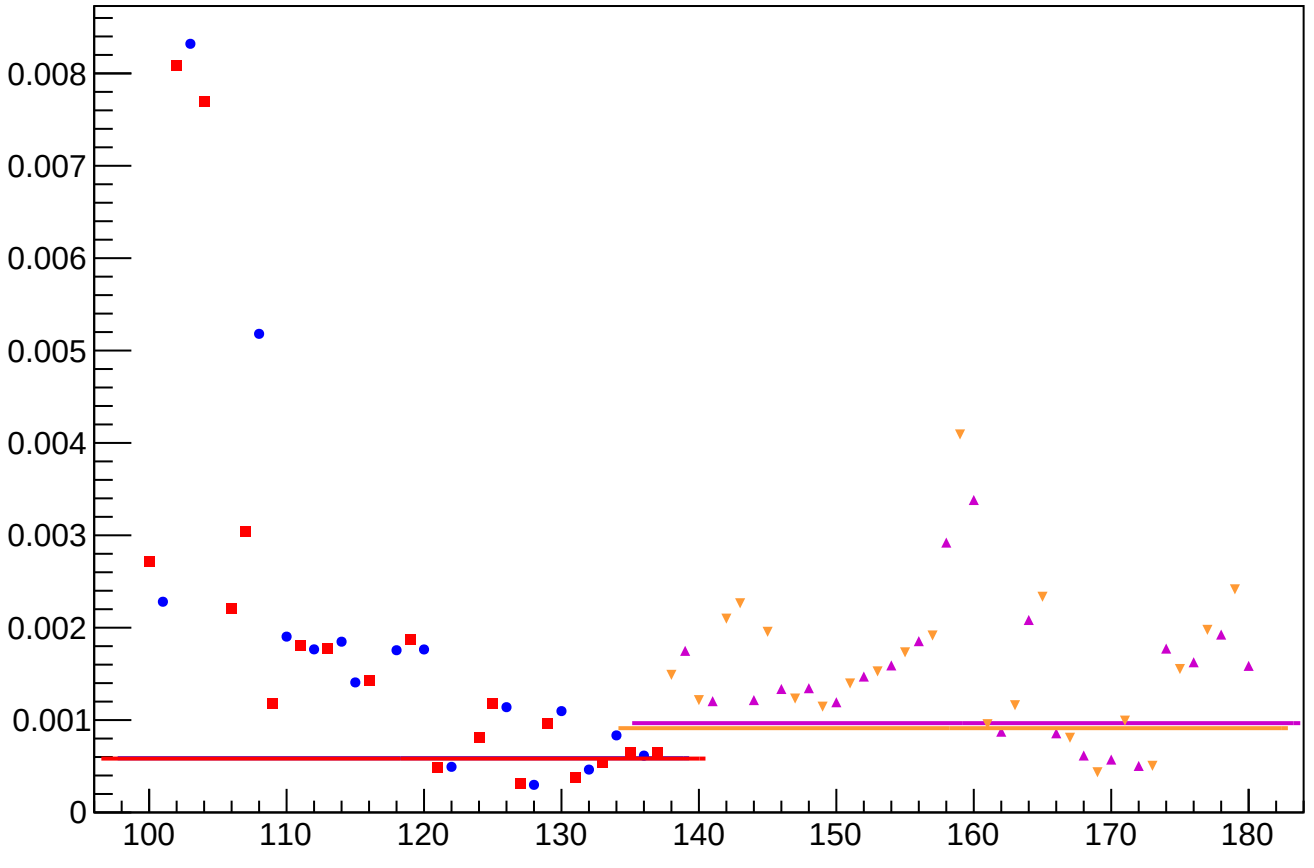
Left: 0.000+/-0.000 χ^2/NDF: 54.4/42

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:37.1/36

Out: -0.000+/-0.000 χ^2/NDF:59.8/40

All: -0.000+/-0.000 χ^2/NDF: 97.1/77



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8690752.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6837497.0/20

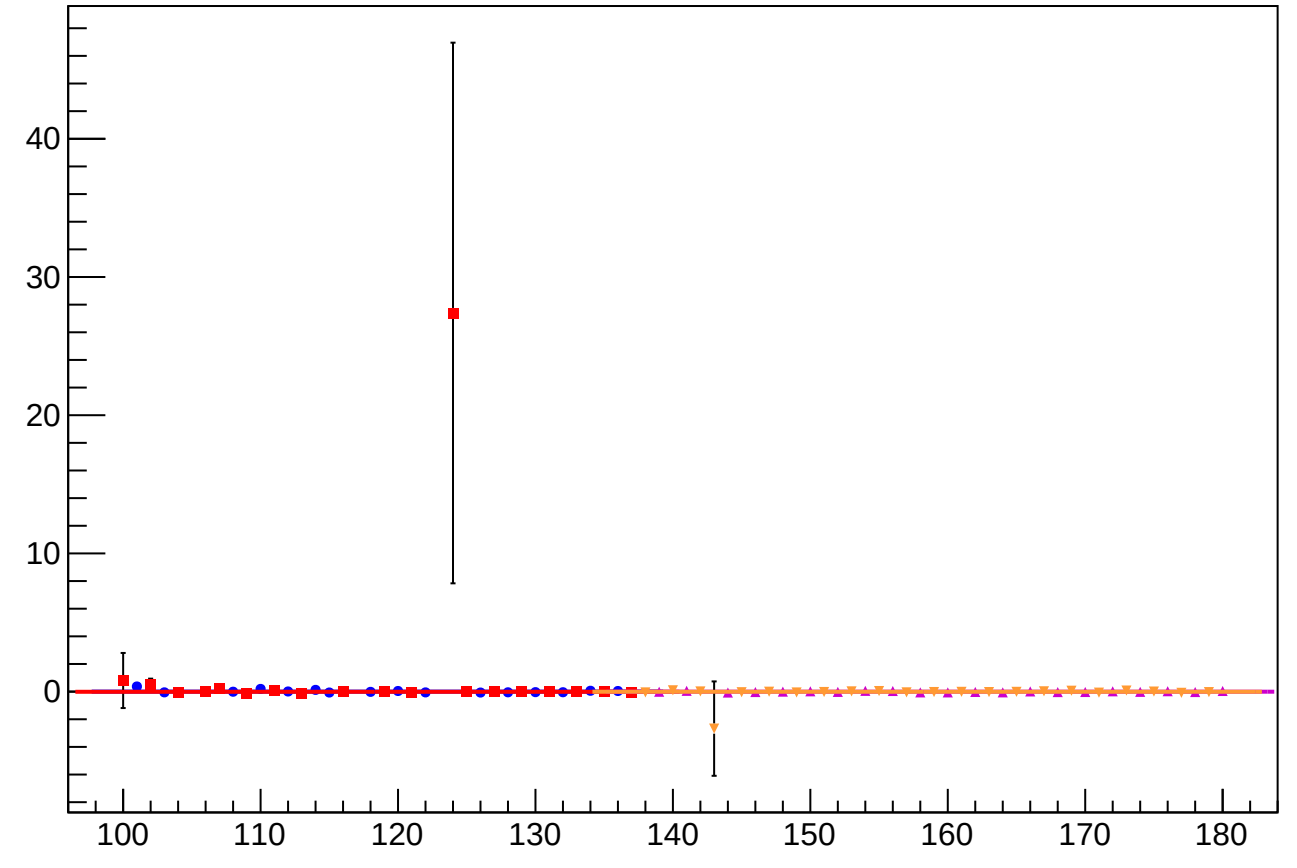
Left: 0.001+/-0.000 χ^2/NDF: 15570027.9/42

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:14132962.8/36

Out: 0.001+/-0.000 χ^2/NDF:15576144.4/40

All: 0.001+/-0.000 χ^2/NDF: 29732060.1/77



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.009 χ^2/NDF:20.1/20

Left: -0.007+/-0.006 χ^2/NDF: 55.7/42

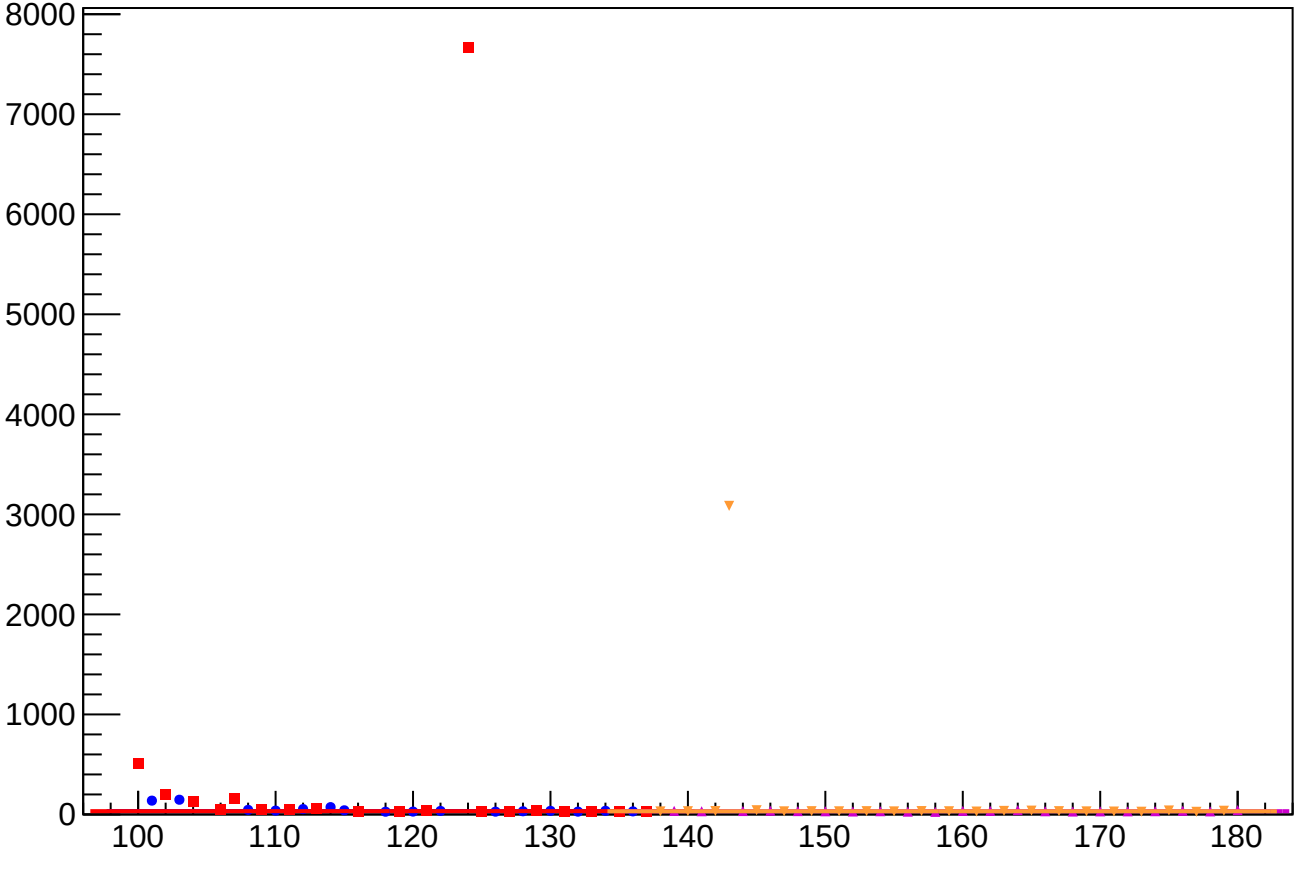
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.007 χ^2/NDF:41.3/36

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.006+/-0.005 χ^2/NDF: 91.4/77

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: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

Left: 32.337+/-0.004 χ^2/NDF: 2337935.6/42

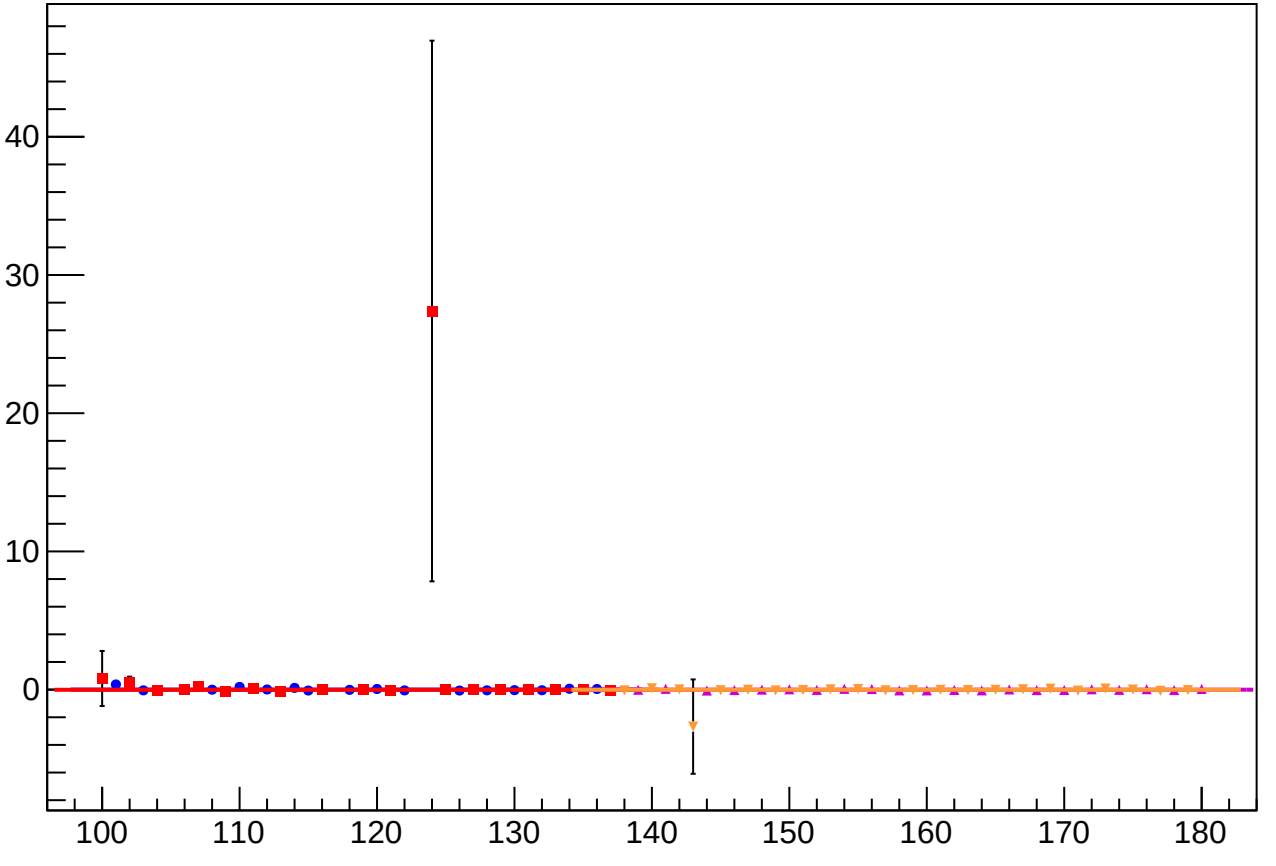
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.043+/-0.005 χ^2/NDF:2120262.6/36

Out: 32.256+/-0.005 χ^2/NDF:4023968.5/40

All: 32.649+/-0.004 χ^2/NDF: 6155434.8/77

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: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.005+/-0.009 χ^2/NDF:20.1/20

Left: -0.007+/-0.006 χ^2/NDF: 55.7/42

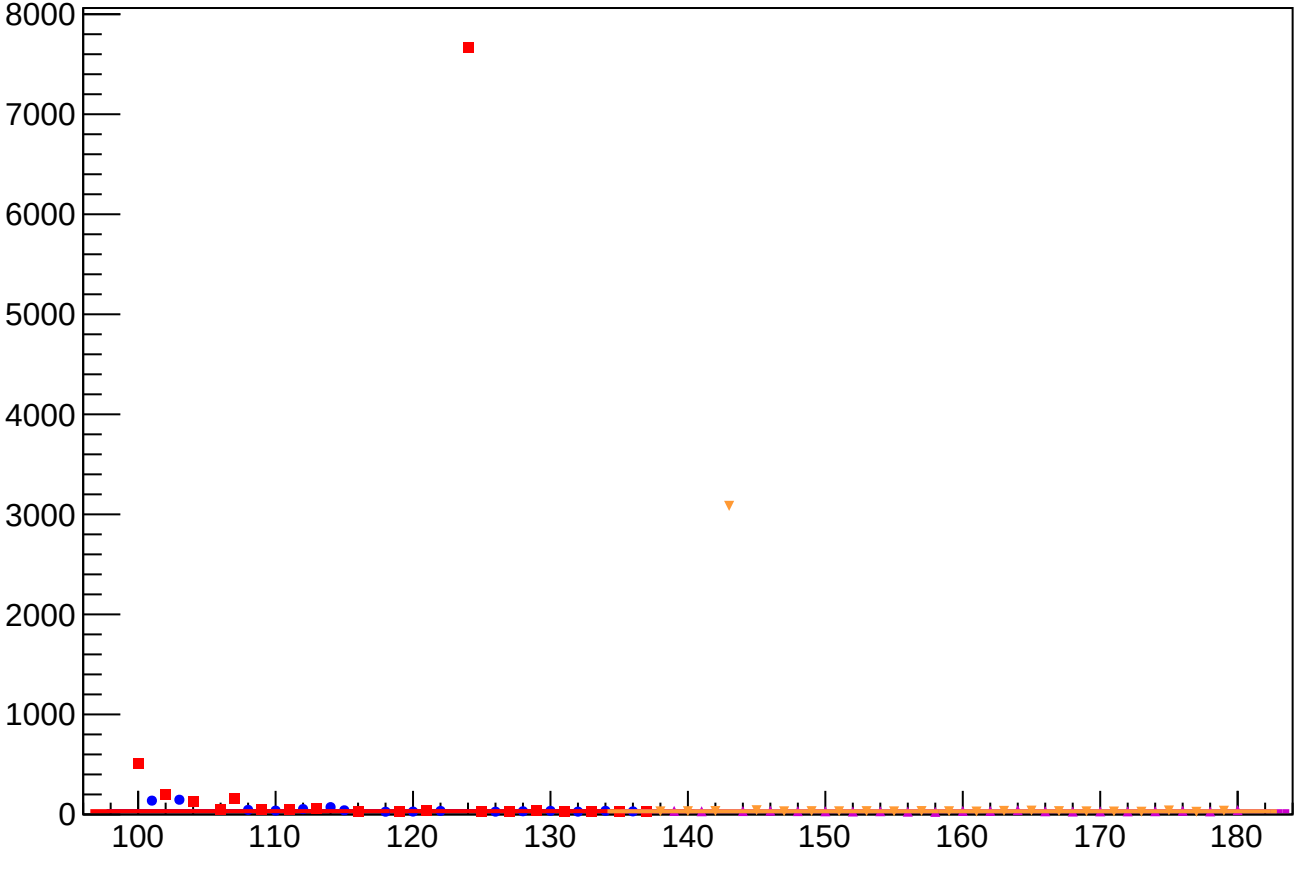
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.007 χ^2/NDF:41.3/36

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.006+/-0.005 χ^2/NDF: 91.4/77

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.698+/-0.006 χ^2/NDF:390376.7/20

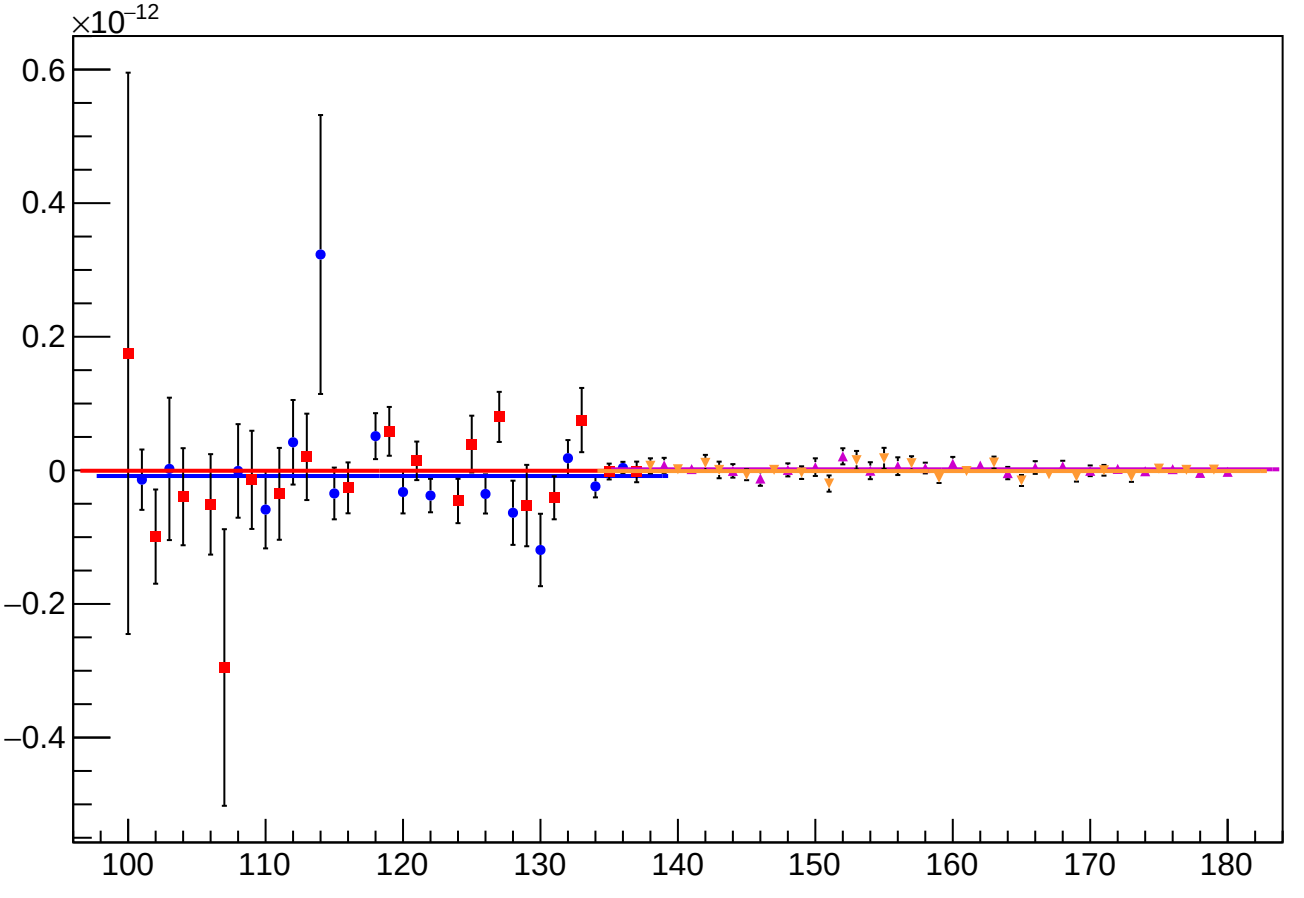
Left: 32.337+/-0.004 χ^2/NDF: 2337935.6/42

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.043+/-0.005 χ^2/NDF:2120262.6/36

Out: 32.256+/-0.005 χ^2/NDF:4023968.5/40

All: 32.649+/-0.004 χ^2/NDF: 6155434.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/20

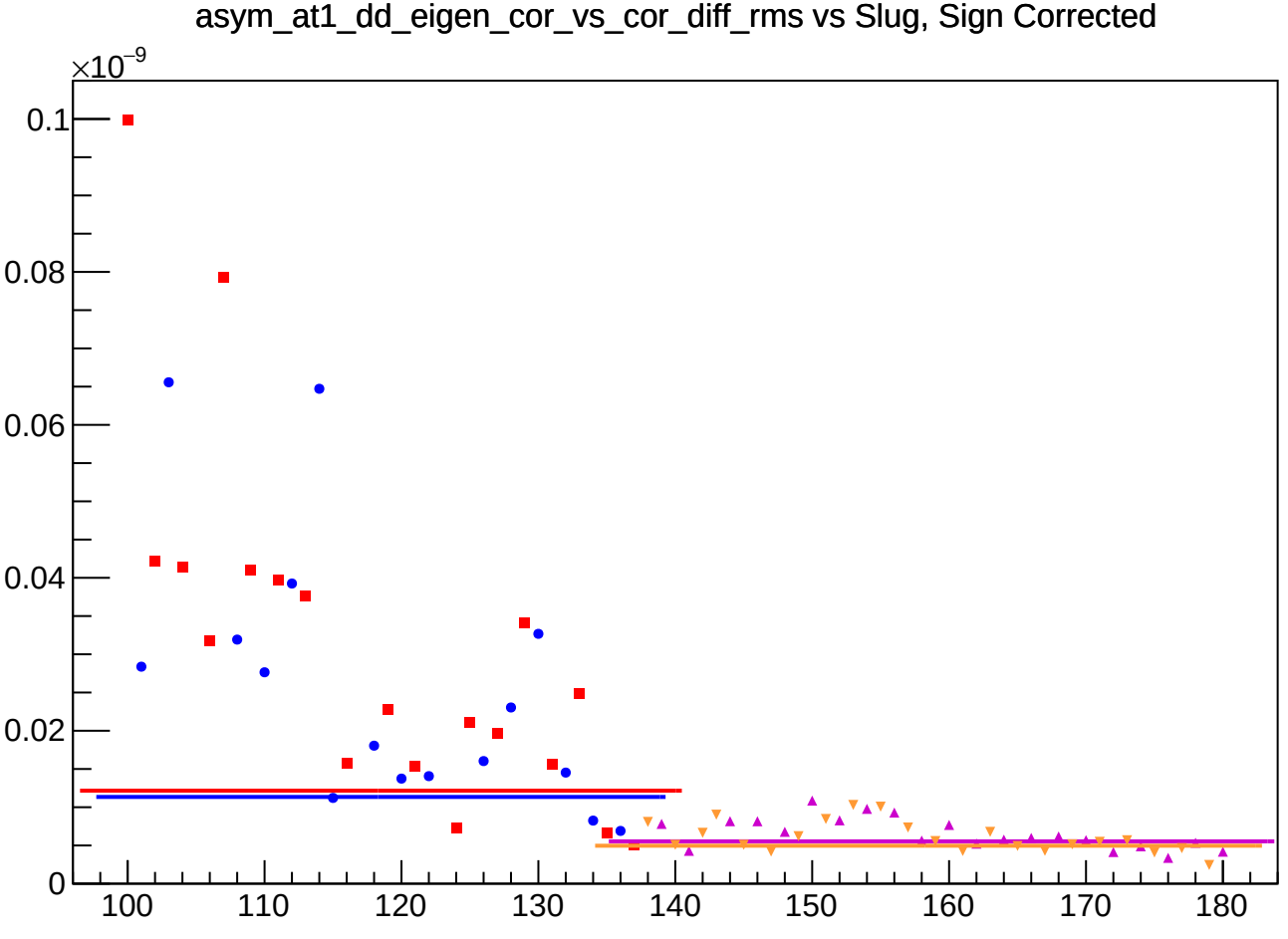
Left: 0.000+/-0.000 χ^2/NDF: 28.1/42

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:29.8/36

Out: -0.000+/-0.000 χ^2/NDF:39.5/40

All: -0.000+/-0.000 χ^2/NDF: 69.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2184415.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1944232.2/20

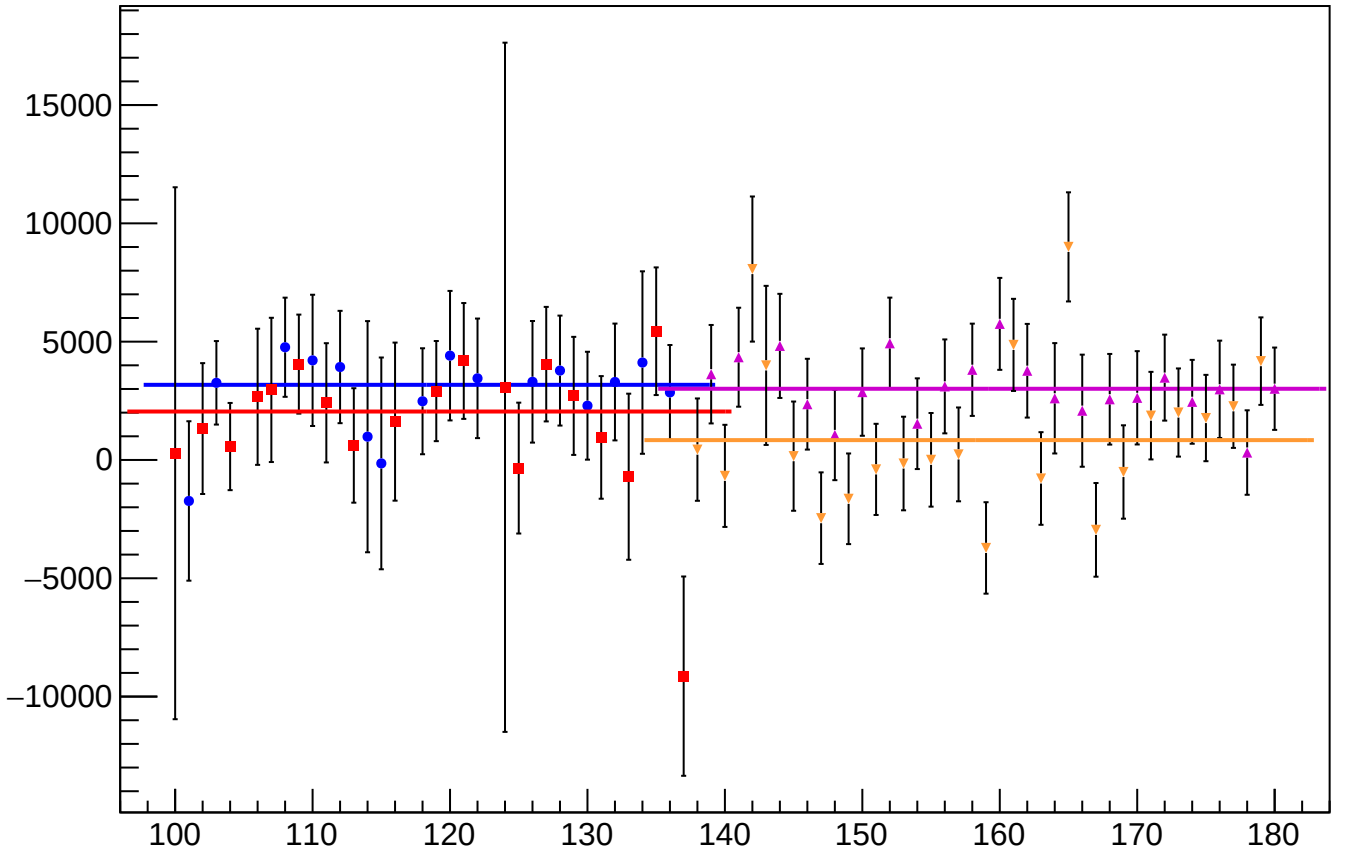
Left: 0.000+/-0.000 χ^2/NDF: 4243635.3/42

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6286938.8/36

Out: 0.000+/-0.000 χ^2/NDF:7816229.3/40

All: 0.000+/-0.000 χ^2/NDF: 14248289.3/77



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.480+/-431.357 χ^2/NDF:44.6/21

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.641+/-427.335 χ^2/NDF:9.0/20

Left: 1933.727+/-303.583 χ^2/NDF: 66.4/42

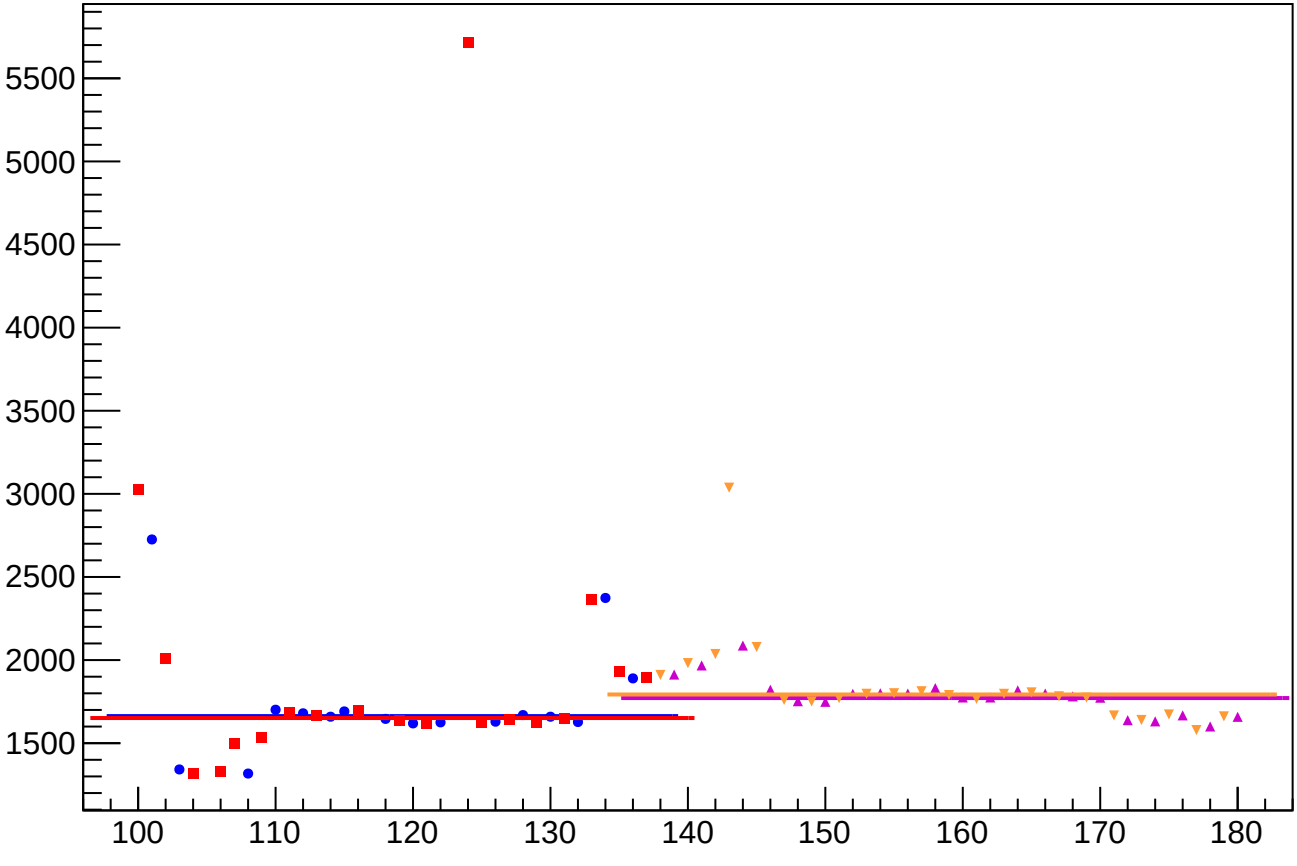
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3061.483+/-353.296 χ^2/NDF:13.3/36

Out: 1231.511+/-354.368 χ^2/NDF:61.2/40

All: 2149.269+/-250.196 χ^2/NDF: 87.9/77

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1771.536+/-0.302 χ^2/NDF:129214.1/20

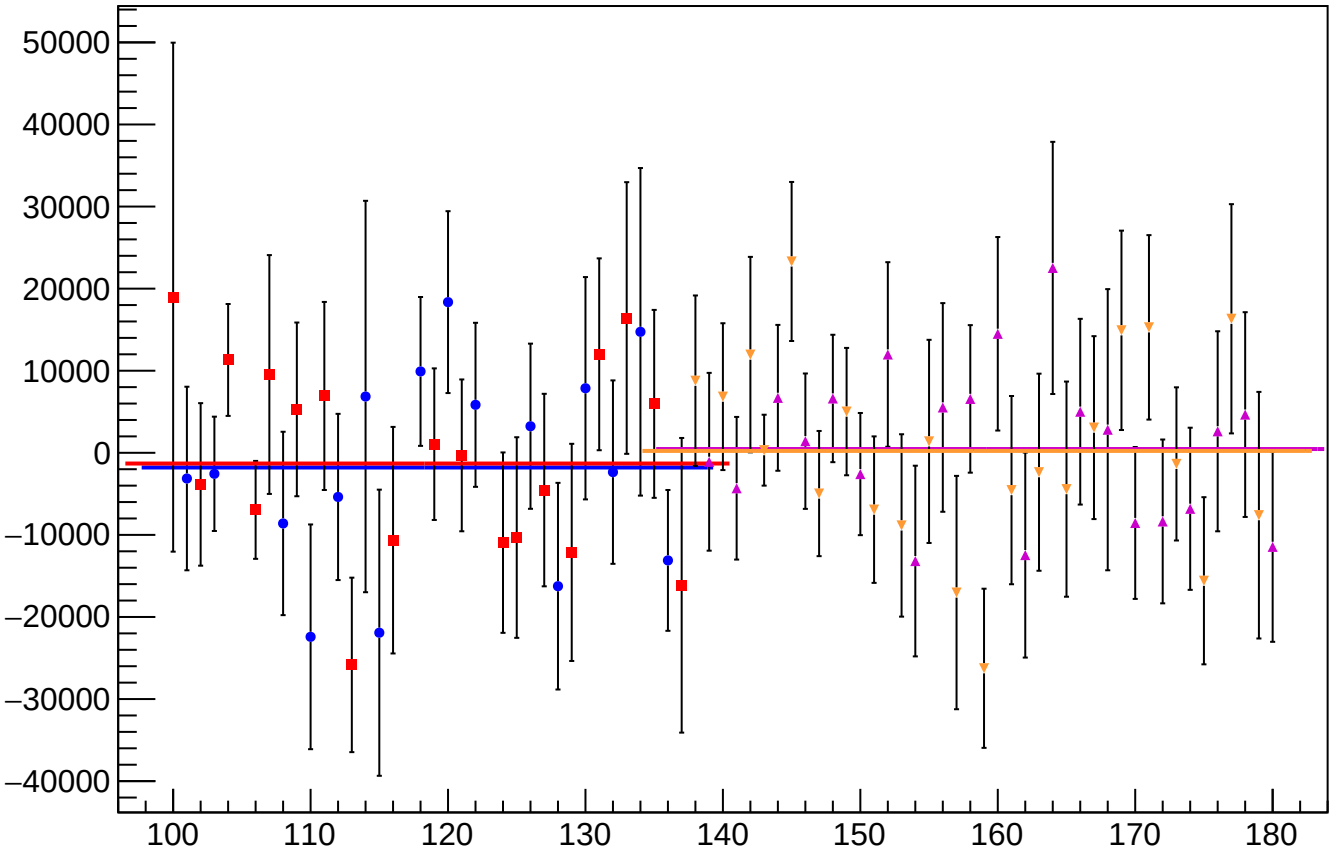
Left: 1782.174+/-0.215 χ^2/NDF: 544098.6/42

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1737.154+/-0.250 χ^2/NDF:585752.0/36

Out: 1746.948+/-0.251 χ^2/NDF:914504.5/40

All: 1742.036+/-0.177 χ^2/NDF: 1501022.7/77



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 229.945+/-2026.567 χ^2/NDF:26.7/21

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 460.699+/-2239.642 χ^2/NDF:12.9/20

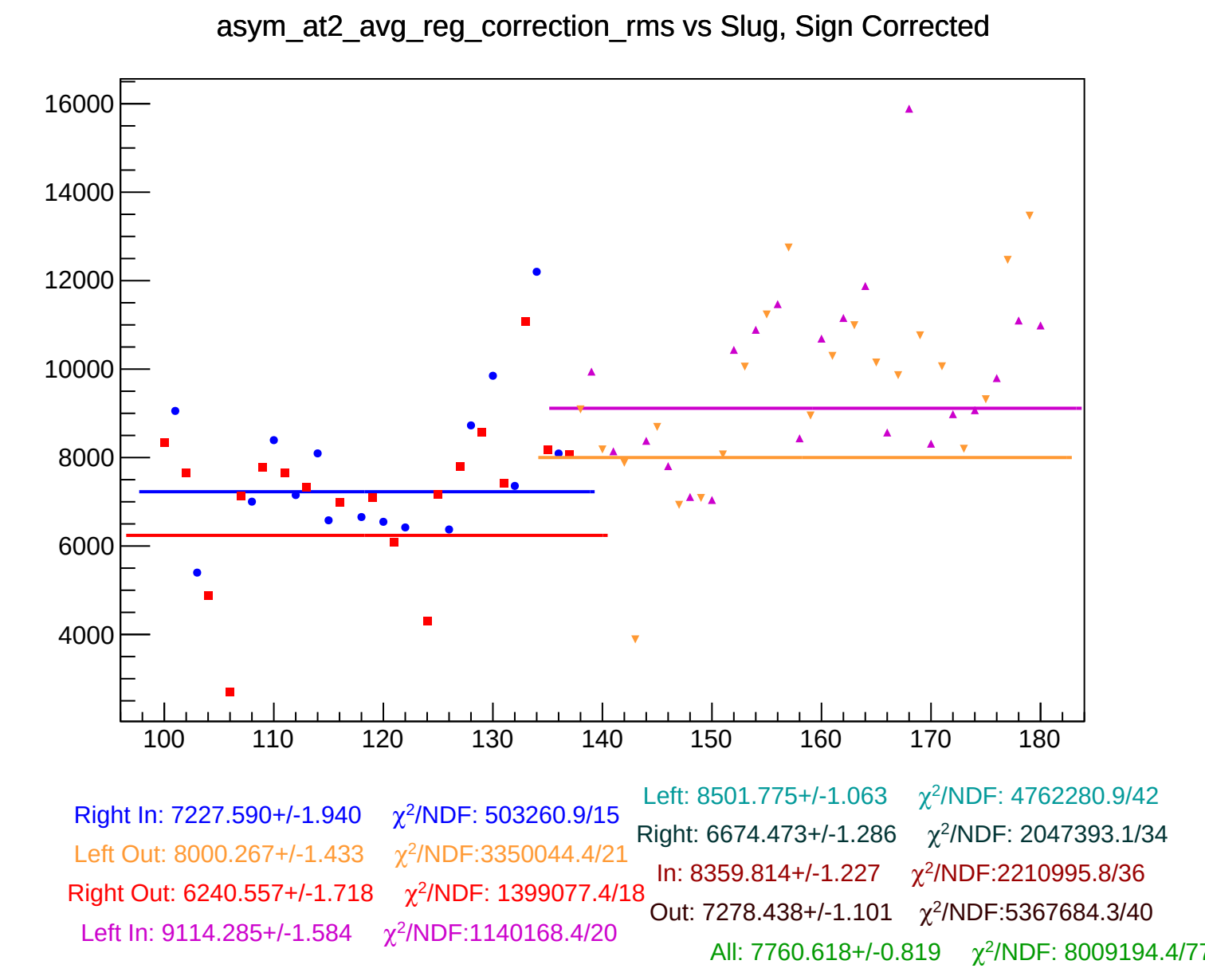
Left: 333.825+/-1502.697 χ^2/NDF: 39.6/42

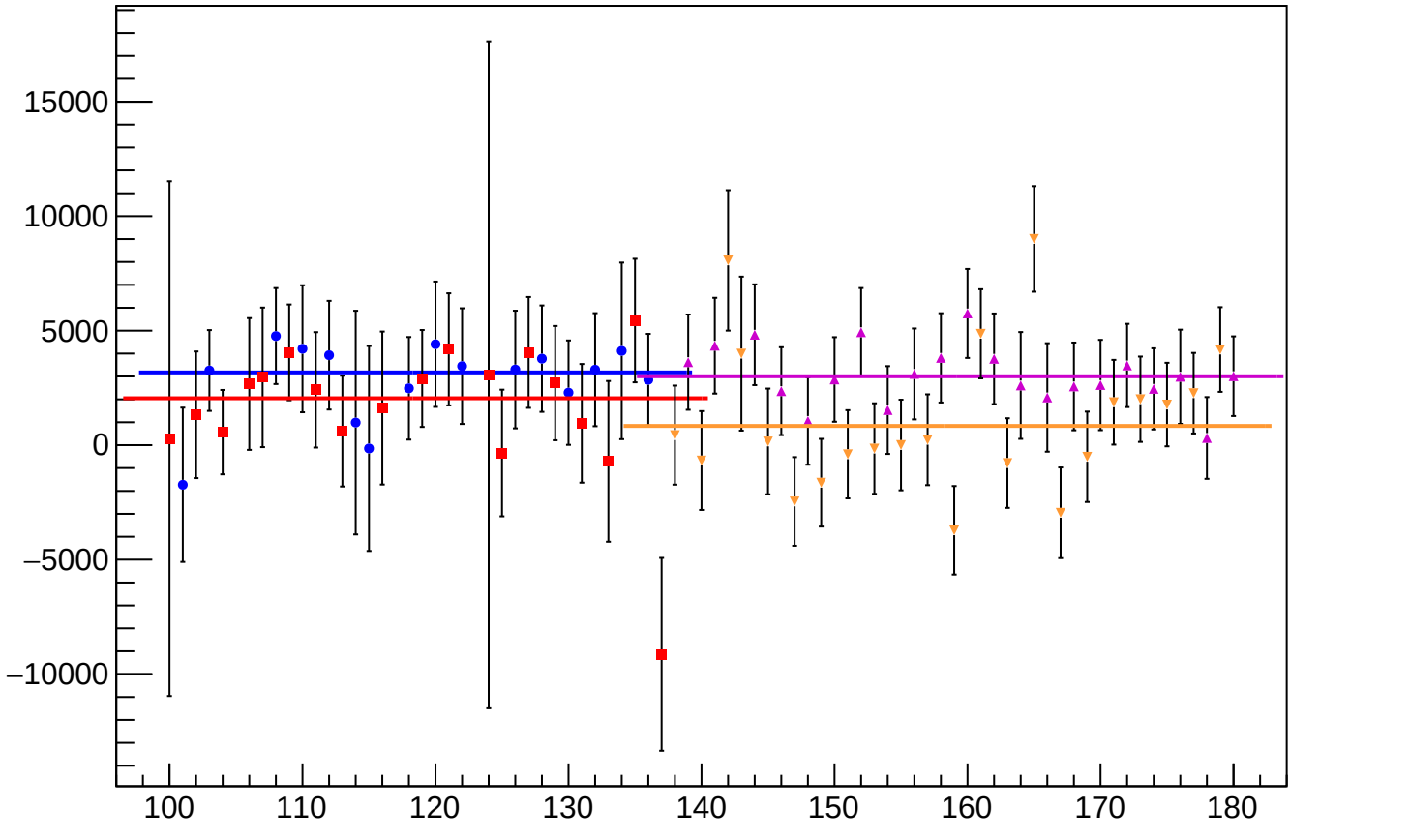
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -439.746+/-1734.978 χ^2/NDF:27.6/36

Out: -400.224+/-1556.375 χ^2/NDF:44.6/40

All: -417.847+/-1158.538 χ^2/NDF: 72.3/77


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
180
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 8000.267+/-1.433 χ²/NDF:3350044.4/21
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 9114.285+/-1.584 χ²/NDF:1140168.4/20
Left: 8501.775+/-1.063 χ²/NDF: 4762280.9/42
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8359.814+/-1.227 χ²/NDF:2210995.8/36
Out: 7278.438+/-1.101 χ²/NDF:5367684.3/40
All: 7760.618+/-0.819 χ²/NDF: 8009194.4/77



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.527+/-427.335 χ^2/NDF:9.0/20

Left: 1933.630+/-303.583 χ^2/NDF: 66.4/42

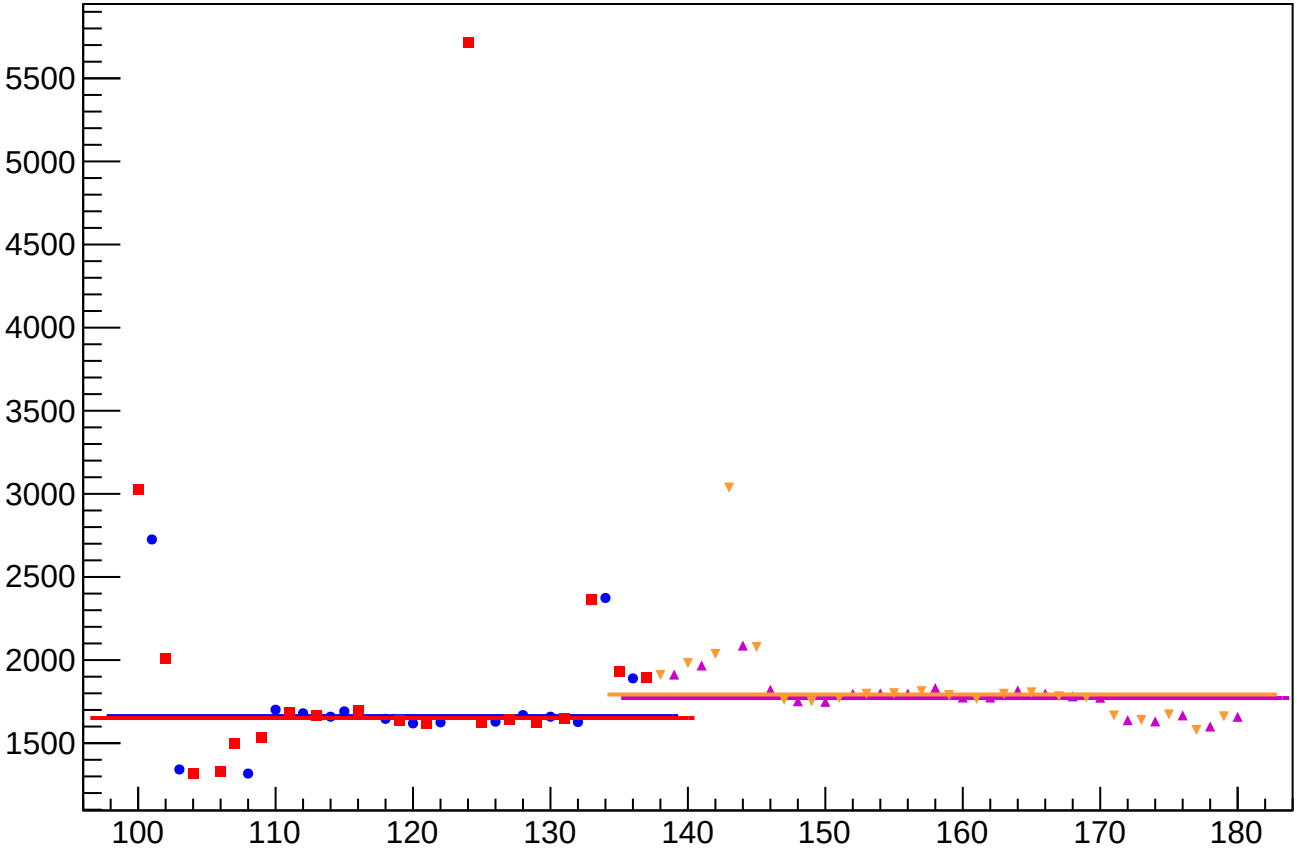
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3061.433+/-353.296 χ^2/NDF:13.3/36

Out: 1231.394+/-354.368 χ^2/NDF:61.2/40

All: 2149.186+/-250.196 χ^2/NDF: 87.9/77

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

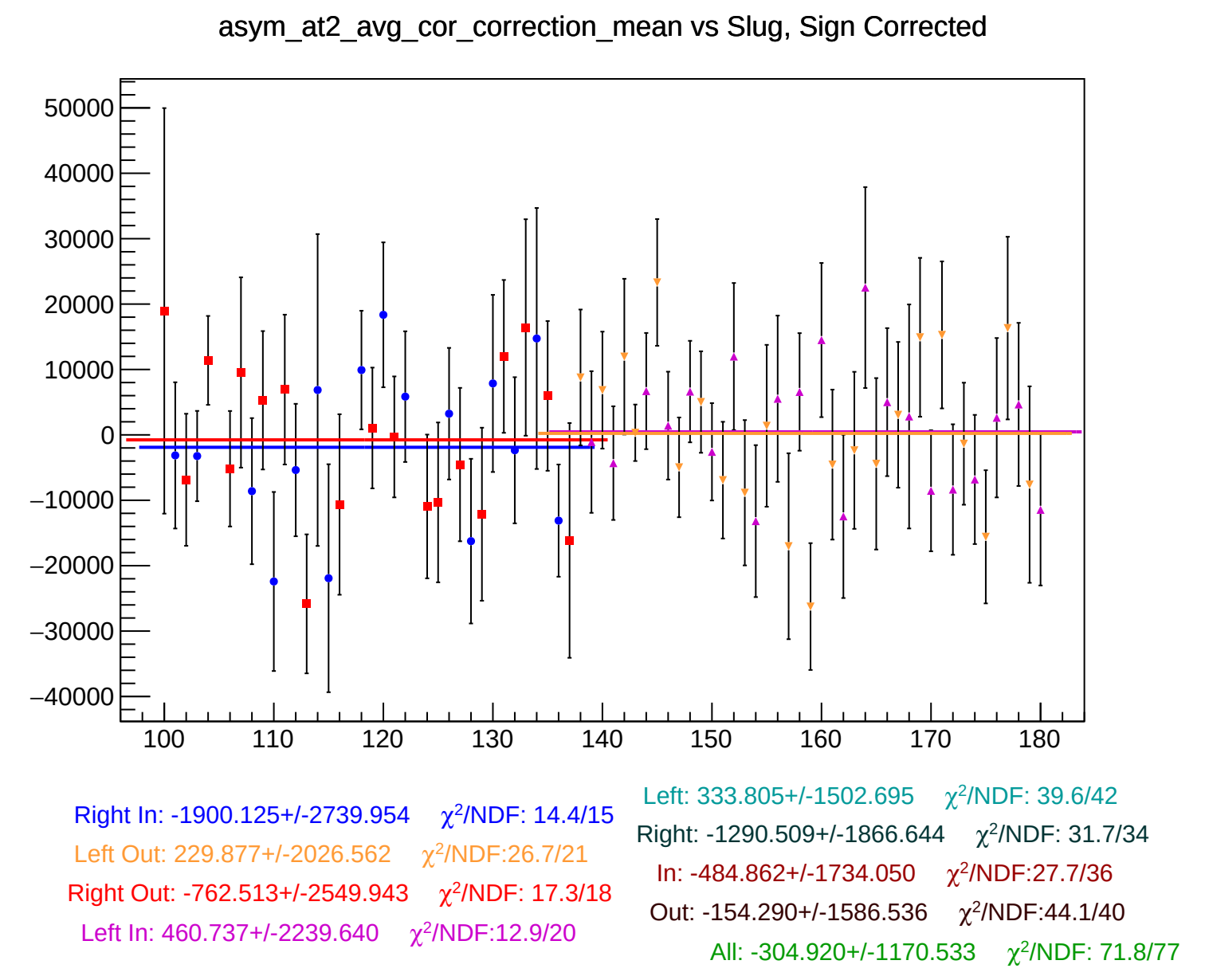
Left: 1782.174+/-0.215 χ^2/NDF: 544098.6/42

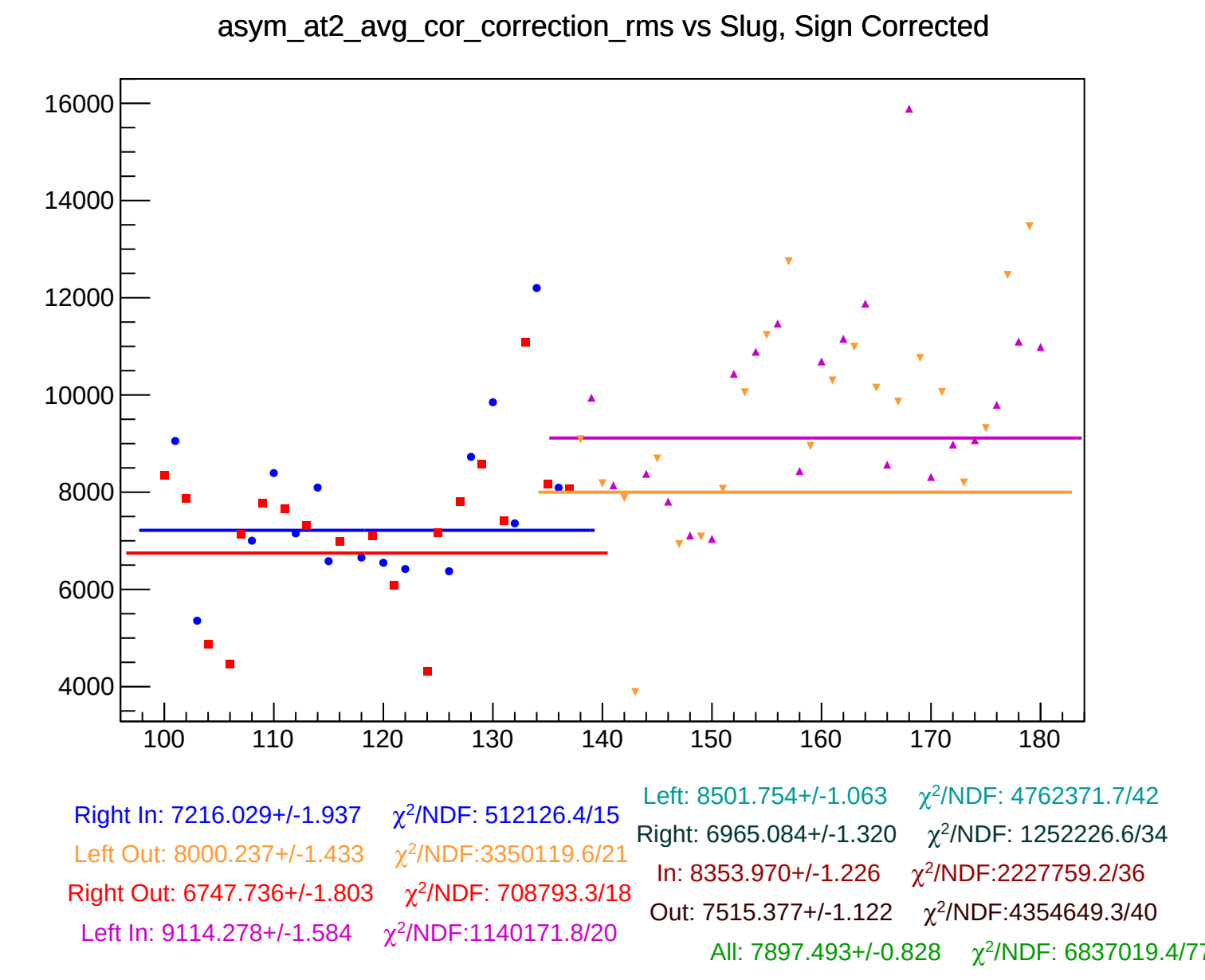
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

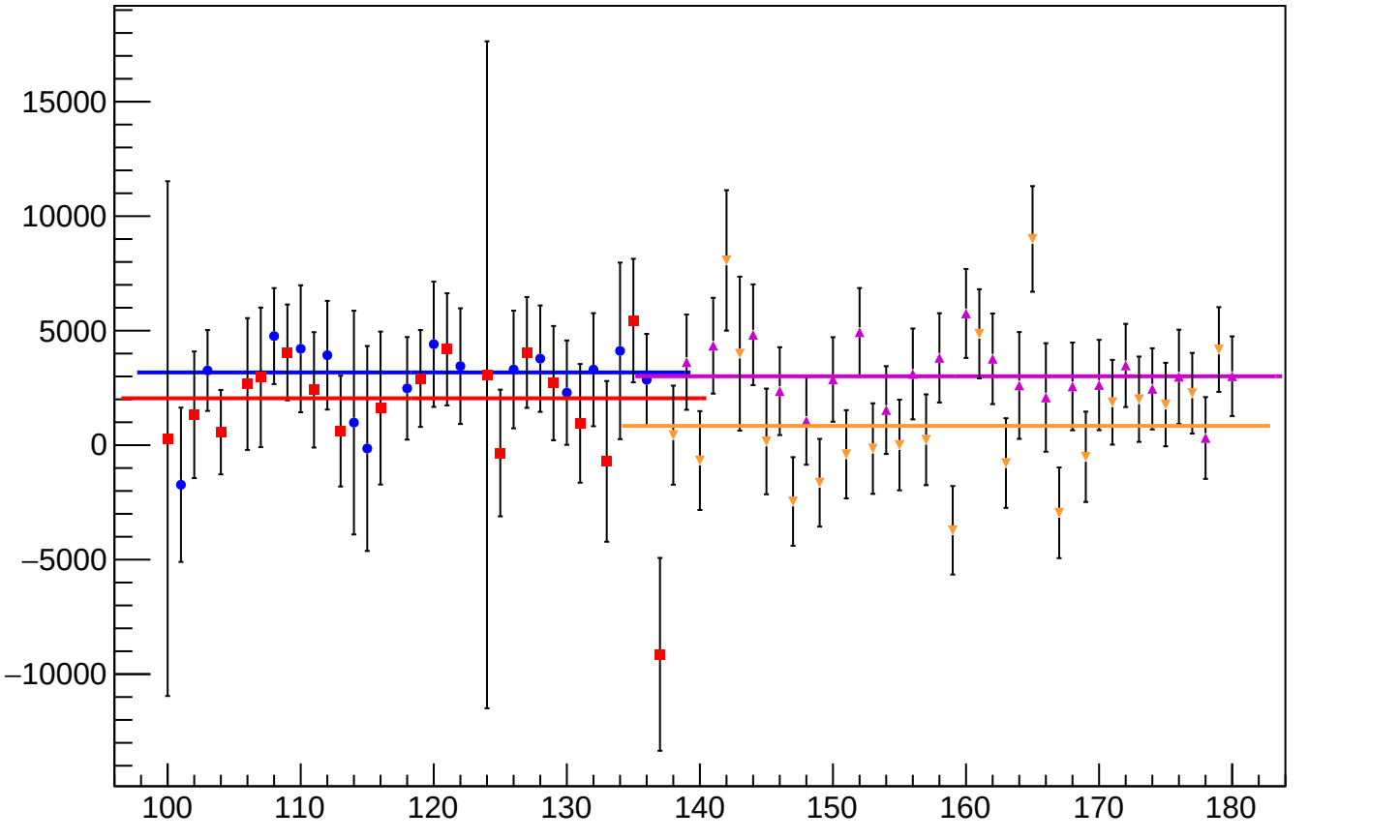
In: 1737.154+/-0.250 χ^2/NDF:585752.4/36

Out: 1746.948+/-0.251 χ^2/NDF:914504.7/40

All: 1742.036+/-0.177 χ^2/NDF: 1501023.4/77


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
180
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 229.877+/-2026.562 χ²/NDF:26.7/21
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 460.737+/-2239.640 χ²/NDF:12.9/20
Left: 333.805+/-1502.695 χ²/NDF: 39.6/42
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -484.862+/-1734.050 χ²/NDF:27.7/36
Out: -154.290+/-1586.536 χ²/NDF:44.1/40
All: -304.920+/-1170.533 χ²/NDF: 71.8/77


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
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8000.237+/-1.433 χ²/NDF:3350119.6/21
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9114.278+/-1.584 χ²/NDF:1140171.8/20
Left: 8501.754+/-1.063 χ²/NDF: 4762371.7/42
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8353.970+/-1.226 χ²/NDF:2227759.2/36
Out: 7515.377+/-1.122 χ²/NDF:4354649.3/40
All: 7897.493+/-0.828 χ²/NDF: 6837019.4/77



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.527+/-427.335 χ^2/NDF:9.0/20

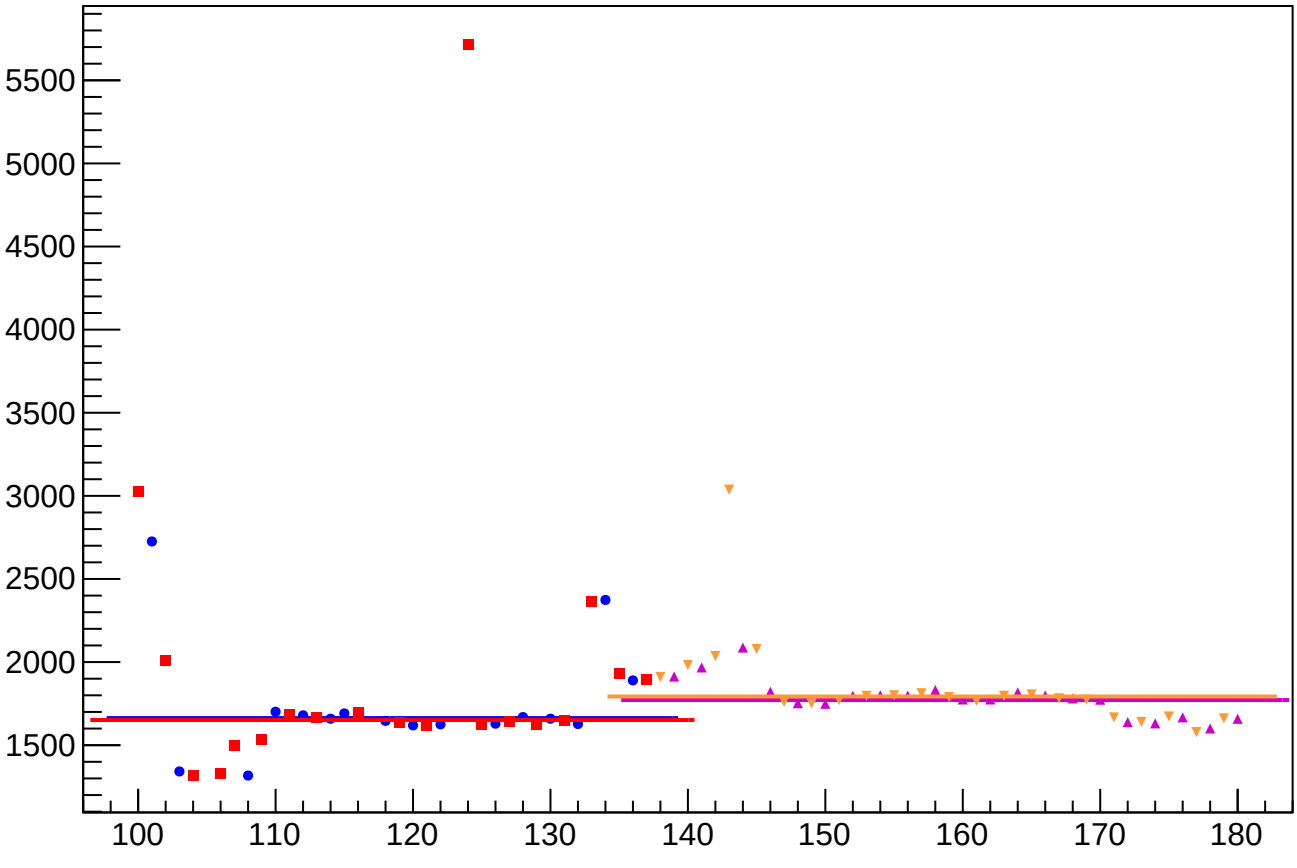
Left: 1933.630+/-303.583 χ^2/NDF: 66.4/42

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3061.433+/-353.296 χ^2/NDF:13.3/36

Out: 1231.394+/-354.368 χ^2/NDF:61.2/40

All: 2149.186+/-250.196 χ^2/NDF: 87.9/77



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1771.536+/-0.302 χ^2/NDF:129214.0/20

Left: 1782.174+/-0.215 χ^2/NDF: 544098.6/42

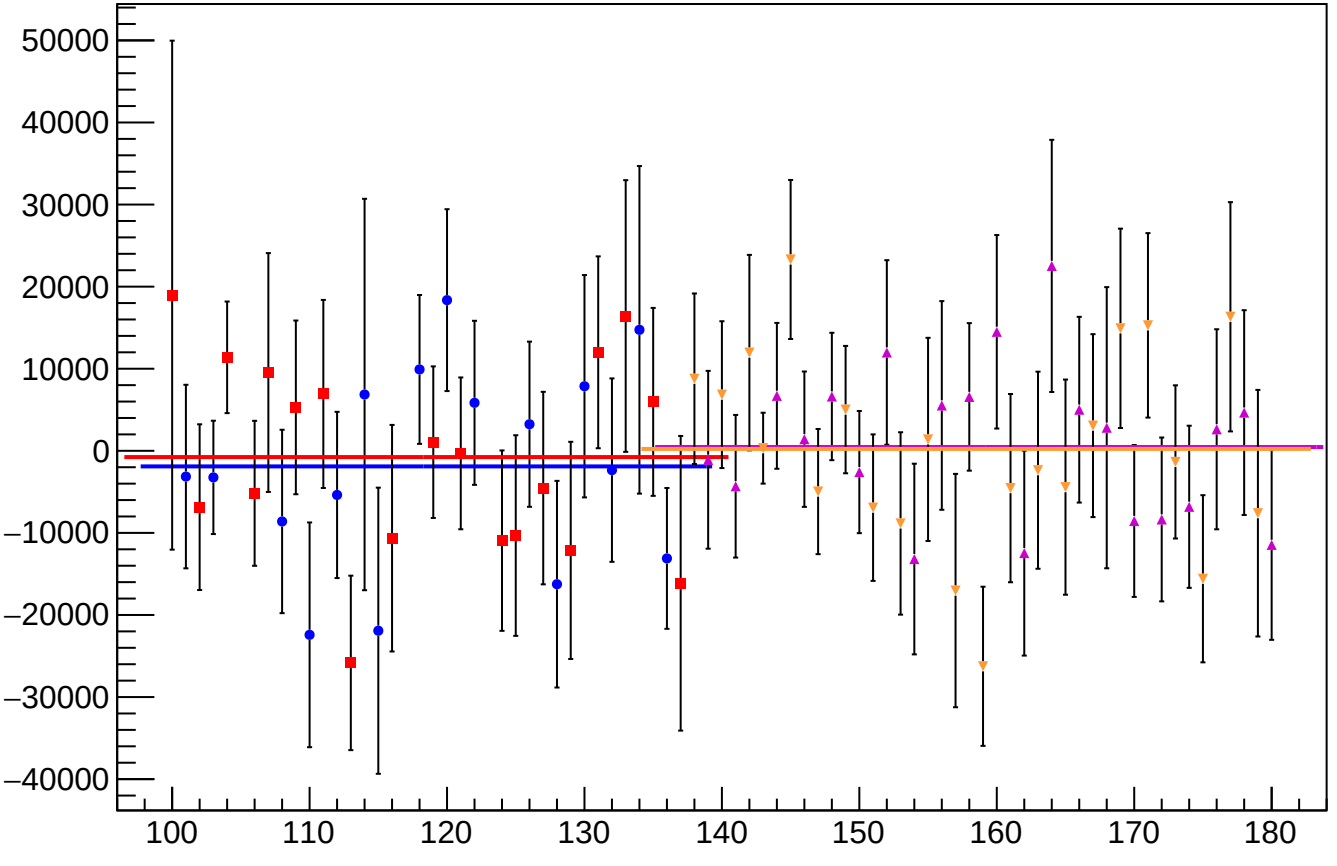
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1737.154+/-0.250 χ^2/NDF:585752.4/36

Out: 1746.948+/-0.251 χ^2/NDF:914504.7/40

All: 1742.036+/-0.177 χ^2/NDF: 1501023.4/77

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 460.737+/-2239.640 χ^2/NDF:12.9/20

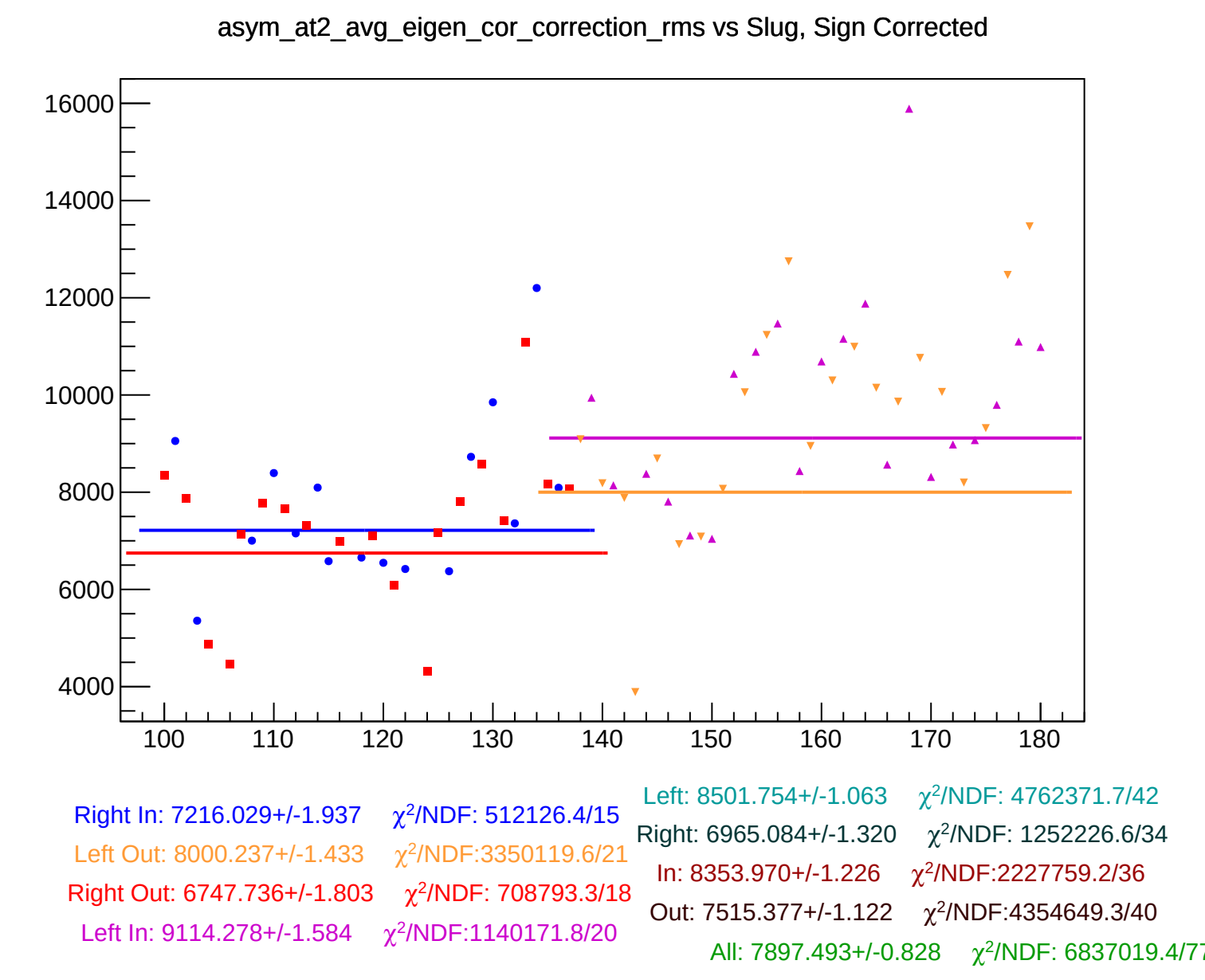
Left: 333.805+/-1502.695 χ^2/NDF: 39.6/42

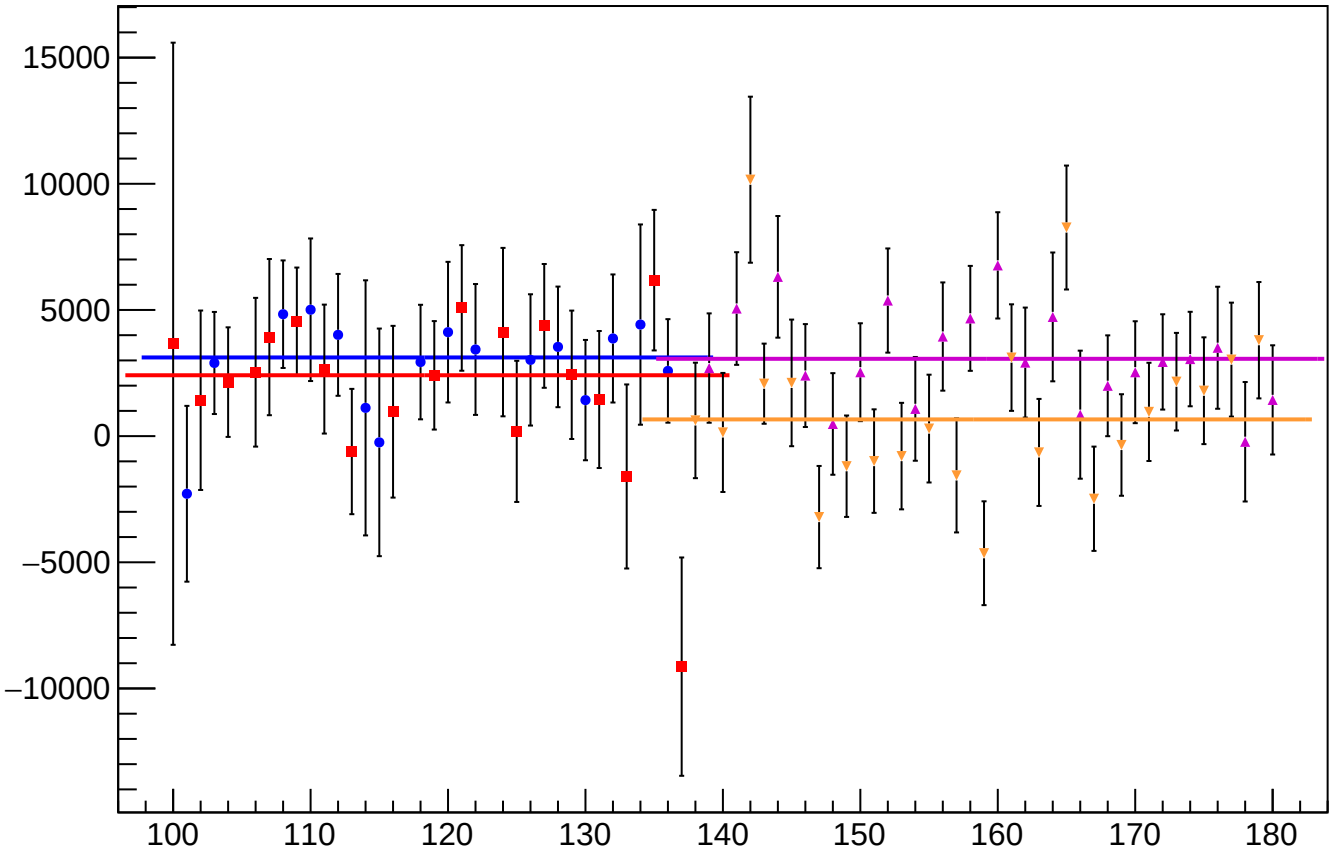
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -484.862+/-1734.050 χ^2/NDF:27.7/36

Out: -154.290+/-1586.536 χ^2/NDF:44.1/40

All: -304.920+/-1170.533 χ^2/NDF: 71.8/77


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8000.237+/-1.433 χ²/NDF:3350119.6/21
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9114.278+/-1.584 χ²/NDF:1140171.8/20
Left: 8501.754+/-1.063 χ²/NDF: 4762371.7/42
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8353.970+/-1.226 χ²/NDF:2227759.2/36
Out: 7515.377+/-1.122 χ²/NDF:4354649.3/40
All: 7897.493+/-0.828 χ²/NDF: 6837019.4/77



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 662.425+/-453.799 χ^2/NDF:40.5/21

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3063.695+/-464.852 χ^2/NDF:14.6/20

Left: 1834.172+/-324.722 χ^2/NDF: 68.8/42

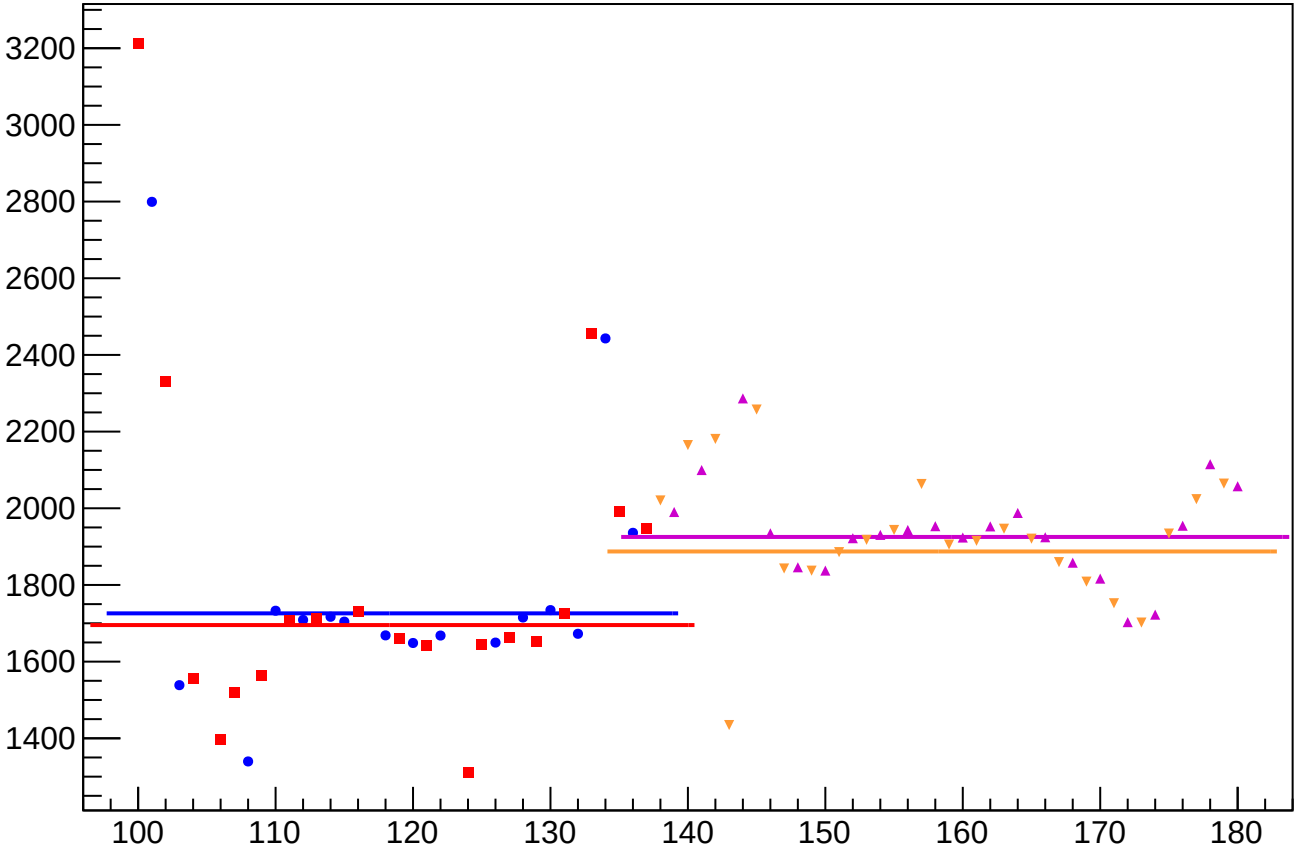
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3081.988+/-378.330 χ^2/NDF:19.9/36

Out: 1249.120+/-369.994 χ^2/NDF:61.5/40

All: 2145.139+/-264.523 χ^2/NDF: 93.4/77

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1887.344+/-0.321 χ^2/NDF:326541.9/21

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1925.230+/-0.329 χ^2/NDF:148043.7/20

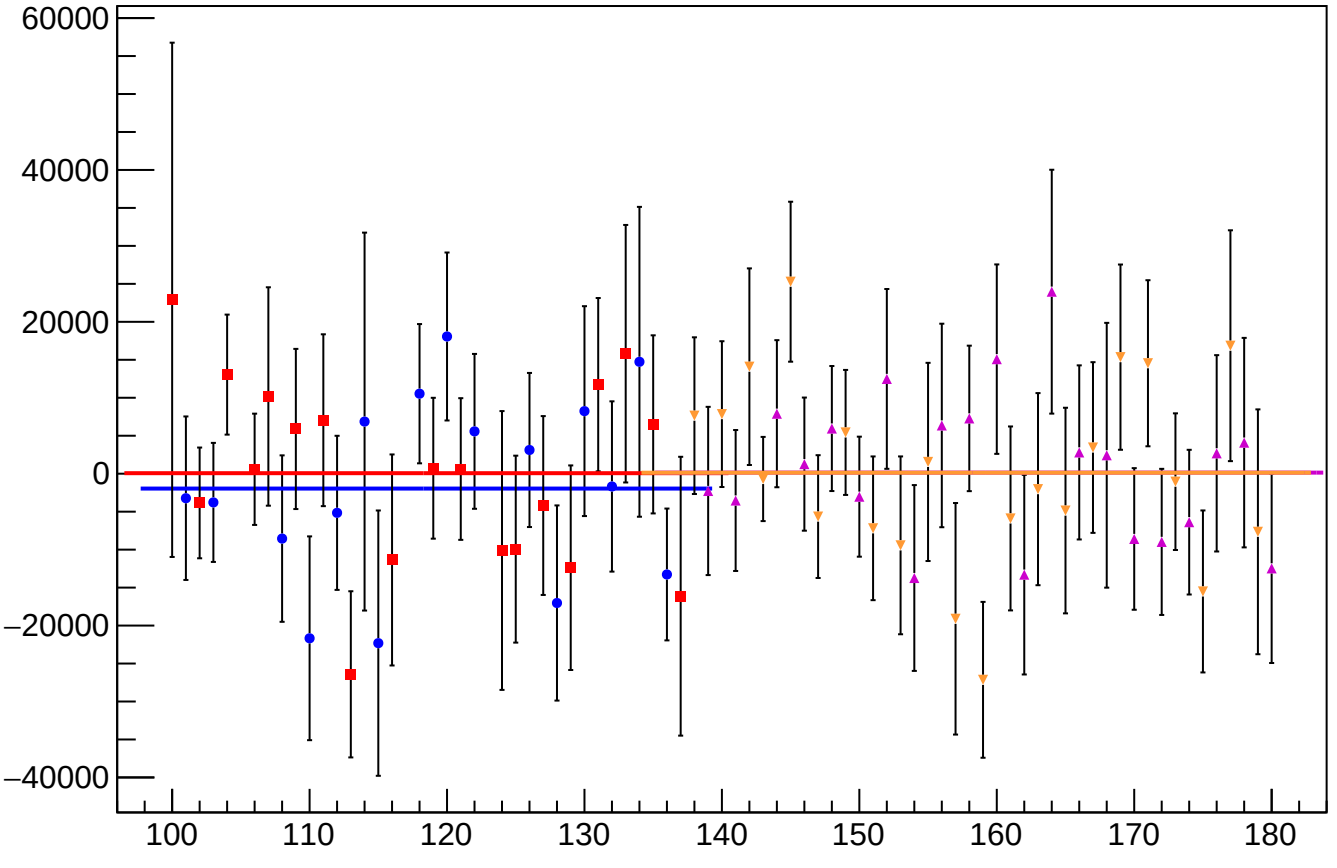
Left: 1905.831+/-0.230 χ^2/NDF: 481388.1/42

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1857.937+/-0.268 χ^2/NDF:637825.1/36

Out: 1822.959+/-0.262 χ^2/NDF:732192.5/40

All: 1840.056+/-0.187 χ^2/NDF: 1378756.7/77



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 130.714+/-2199.048 χ^2/NDF:26.3/21

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 141.577+/-2341.010 χ^2/NDF:12.8/20

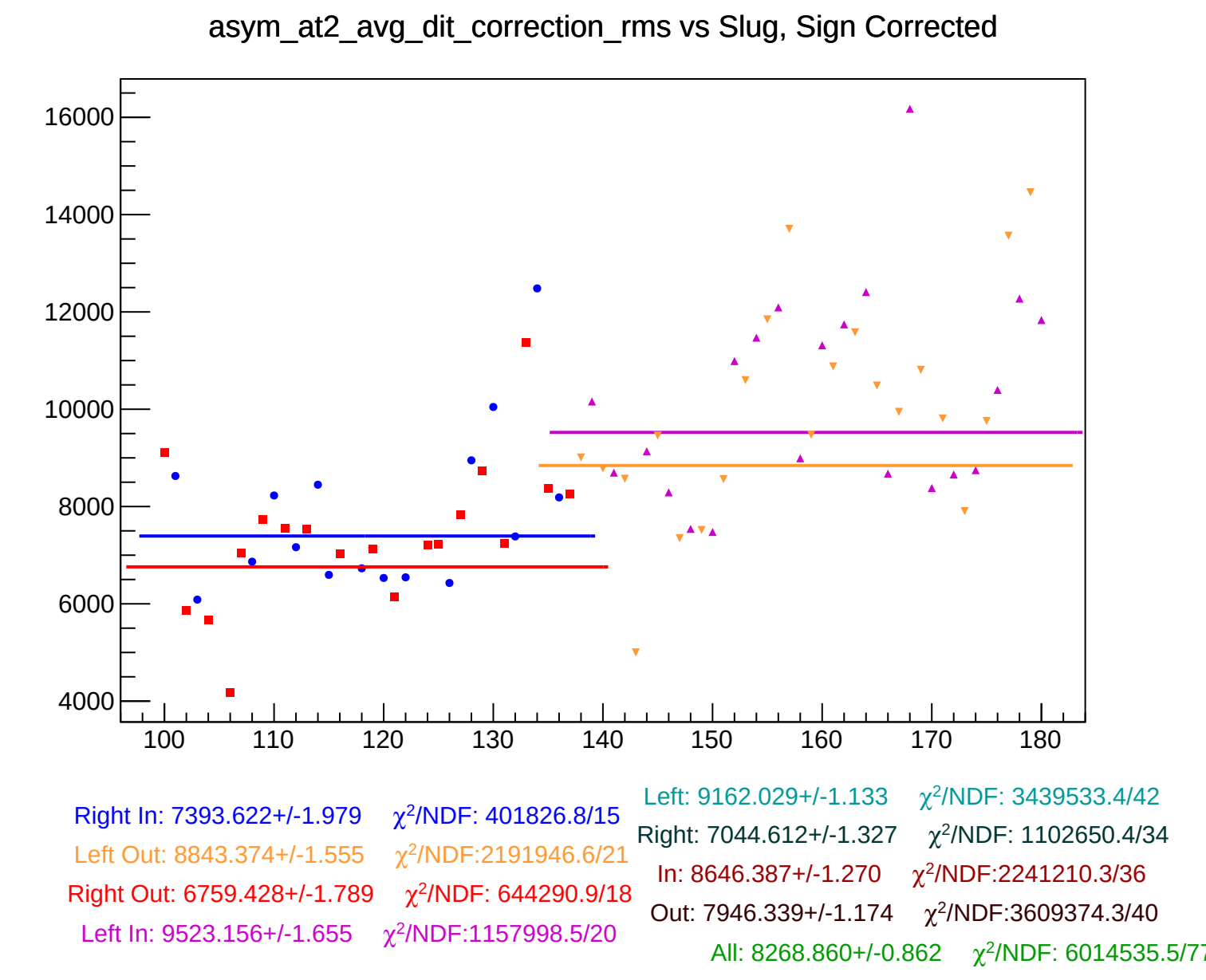
Left: 135.806+/-1602.800 χ^2/NDF: 39.1/42

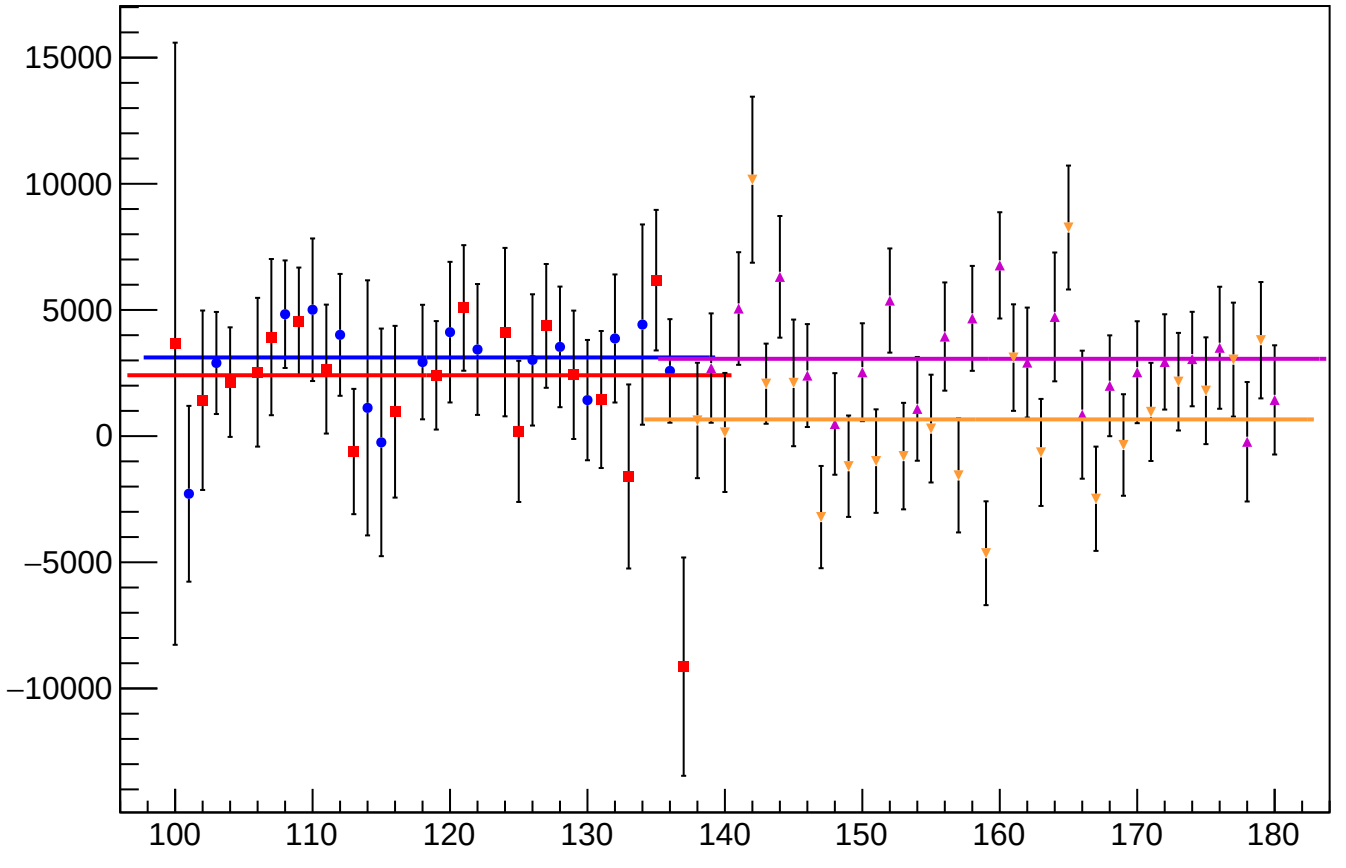
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -723.088+/-1795.543 χ^2/NDF:27.5/36

Out: 103.786+/-1659.589 χ^2/NDF:42.4/40

All: -277.165+/-1218.739 χ^2/NDF: 70.1/77


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8843.374+/-1.555 χ²/NDF:2191946.6/21
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9523.156+/-1.655 χ²/NDF:1157998.5/20
Left: 9162.029+/-1.133 χ²/NDF: 3439533.4/42
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8646.387+/-1.270 χ²/NDF:2241210.3/36
Out: 7946.339+/-1.174 χ²/NDF:3609374.3/40
All: 8268.860+/-0.862 χ²/NDF: 6014535.5/77



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 662.415+/-453.800 χ^2/NDF:40.5/21

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3063.697+/-464.853 χ^2/NDF:14.6/20

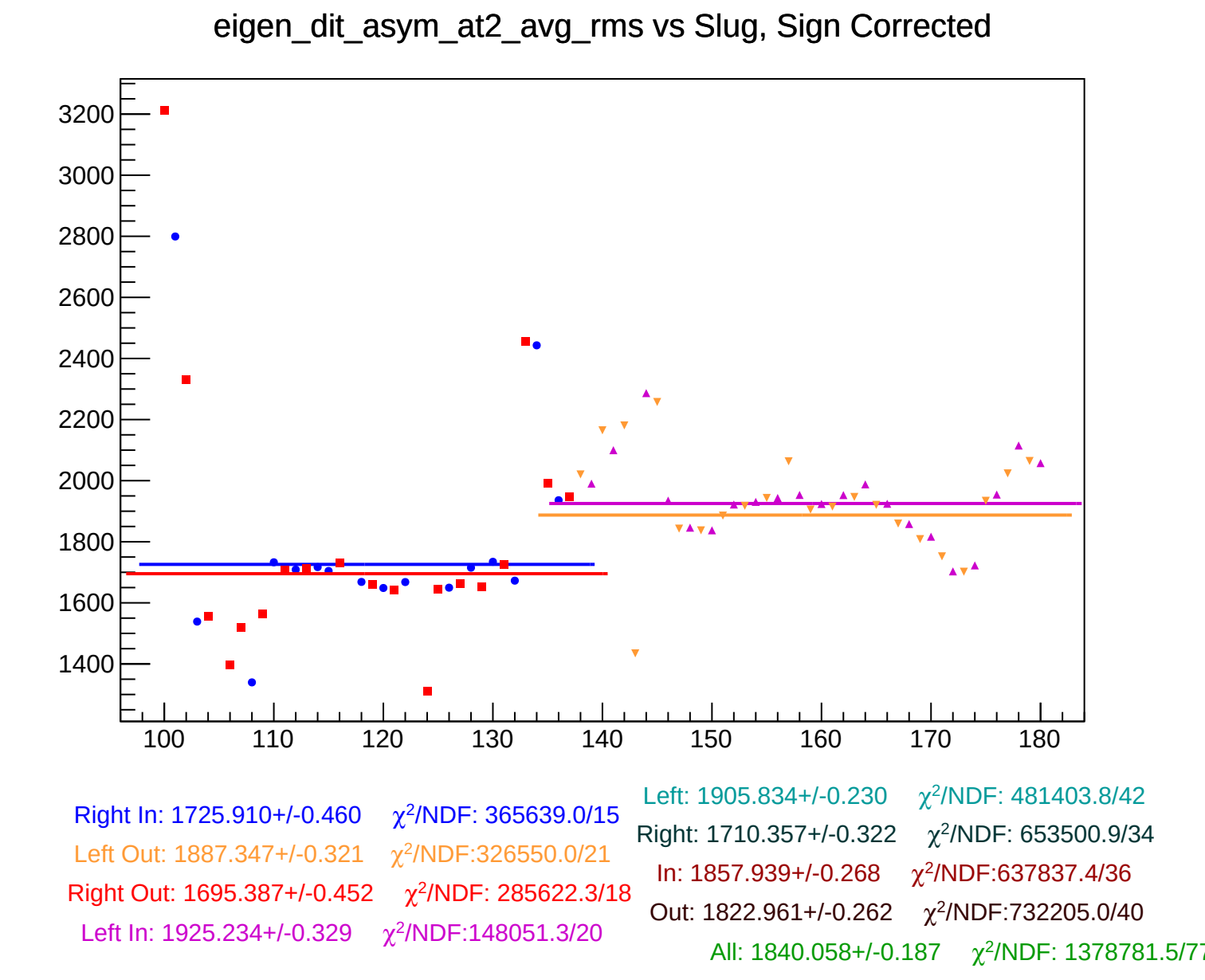
Left: 1834.168+/-324.722 χ^2/NDF: 68.8/42

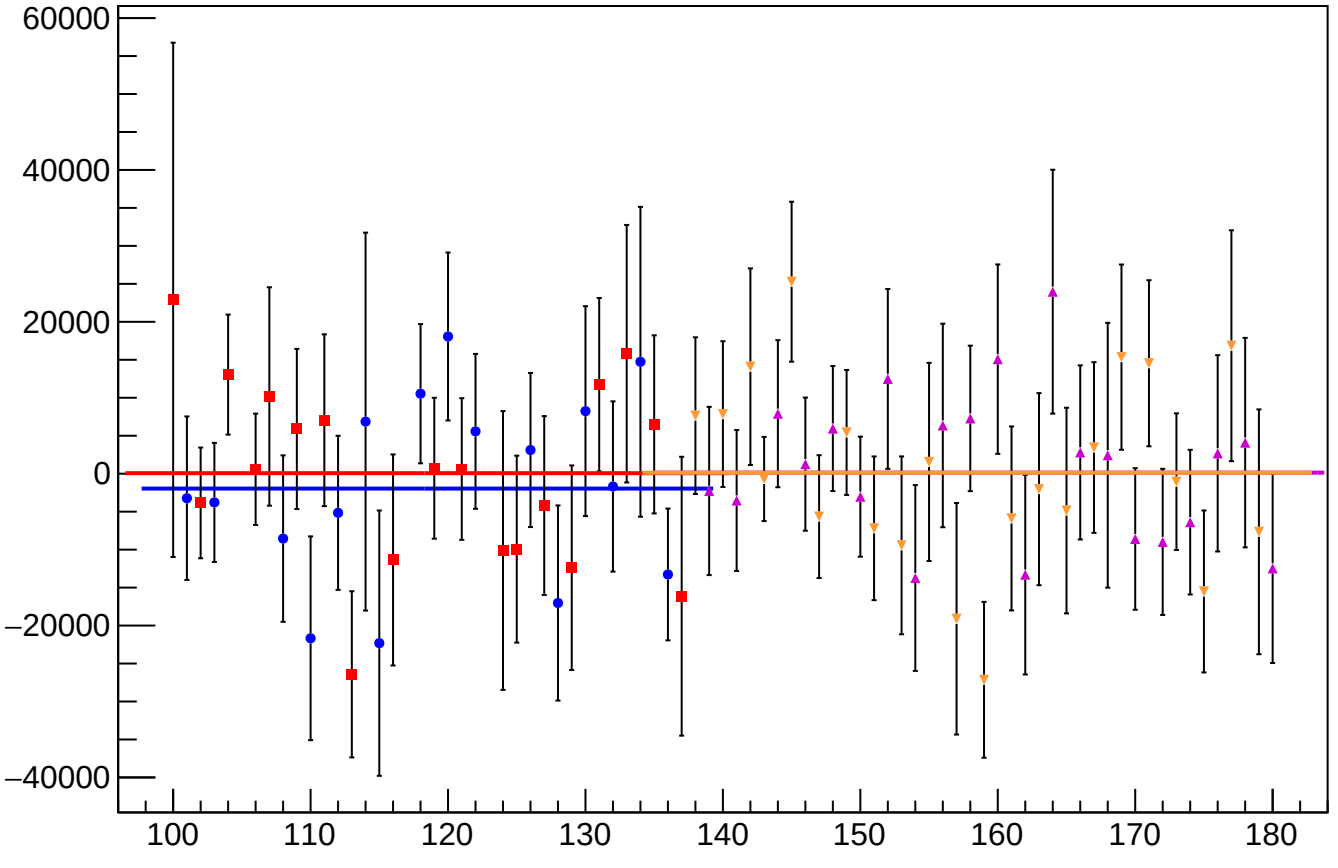
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

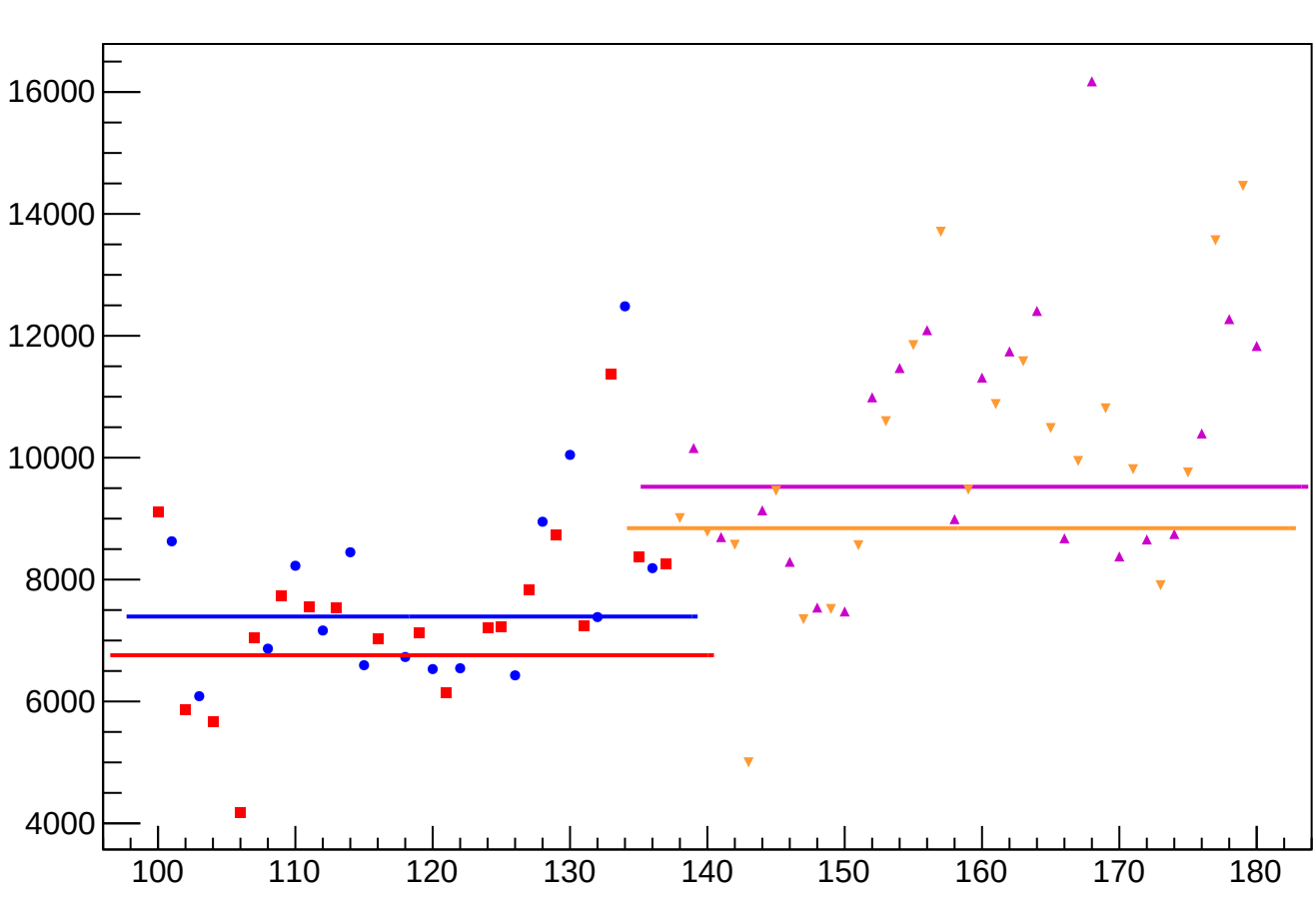
In: 3081.991+/-378.330 χ^2/NDF:19.9/36

Out: 1249.117+/-369.994 χ^2/NDF:61.5/40

All: 2145.139+/-264.523 χ^2/NDF: 93.4/77


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1887.347+/-0.321 χ²/NDF:326550.0/21
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1925.234+/-0.329 χ²/NDF:148051.3/20
Left: 1905.834+/-0.230 χ²/NDF: 481403.8/42
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1857.939+/-0.268 χ²/NDF:637837.4/36
Out: 1822.961+/-0.262 χ²/NDF:732205.0/40
All: 1840.058+/-0.187 χ²/NDF: 1378781.5/77


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 130.708+/-2199.051 χ²/NDF:26.3/21
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 141.576+/-2341.014 χ²/NDF:12.8/20
Left: 135.803+/-1602.803 χ²/NDF: 39.1/42
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -723.084+/-1795.543 χ²/NDF:27.5/36
Out: 103.786+/-1659.589 χ²/NDF:42.4/40
All: -277.163+/-1218.739 χ²/NDF: 70.1/77



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8843.389+/-1.555 χ^2/NDF:2191948.3/21

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9523.170+/-1.655 χ^2/NDF:1158002.1/20

Left: 9162.044+/-1.133 χ^2/NDF: 3439538.5/42

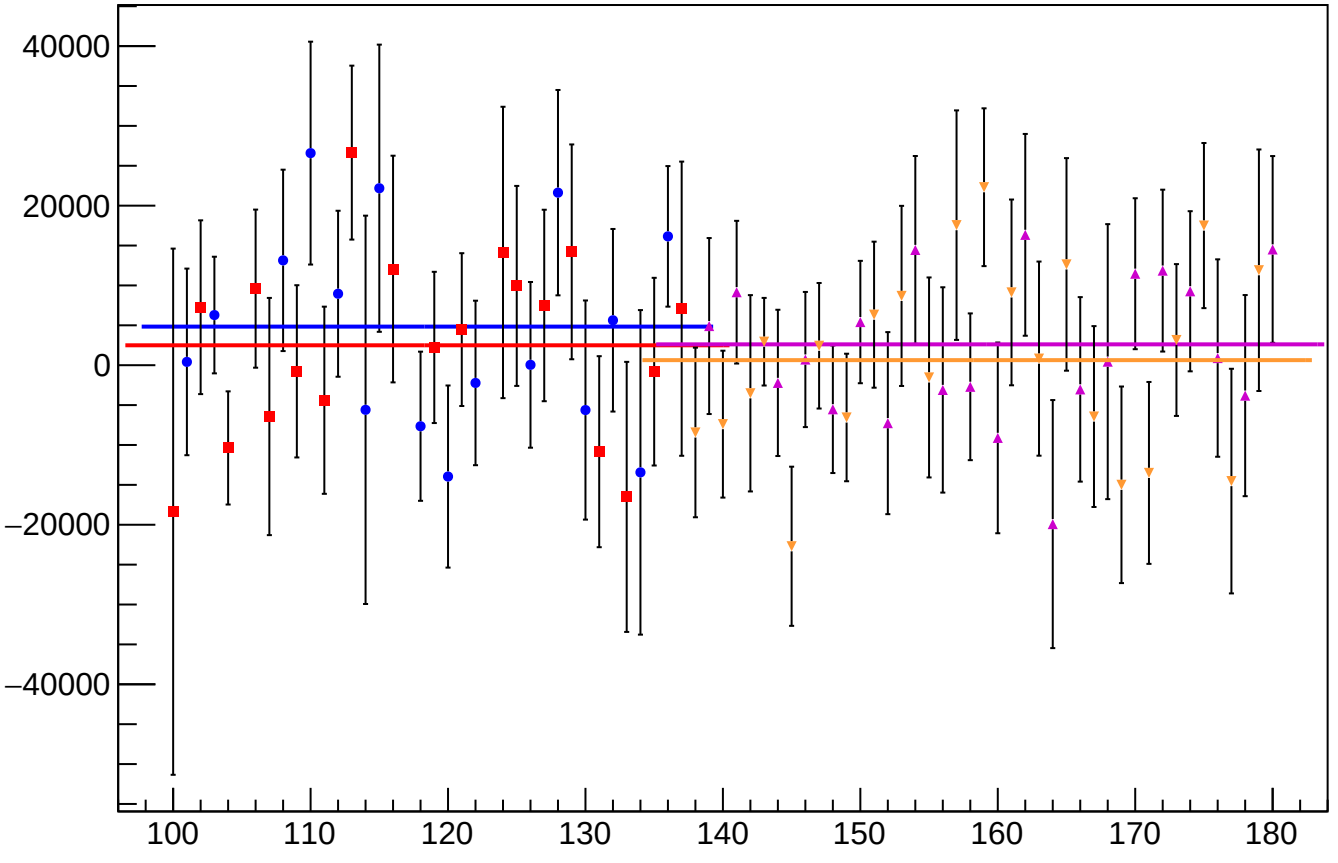
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8646.384+/-1.270 χ^2/NDF:2241237.7/36

Out: 7946.338+/-1.174 χ^2/NDF:3609397.2/40

All: 8268.858+/-0.862 χ^2/NDF: 6014585.4/77

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 634.614+/-2156.244 χ^2/NDF:24.5/21

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2613.918+/-2287.517 χ^2/NDF:12.3/20

Left: 1565.847+/-1569.051 χ^2/NDF: 37.3/42

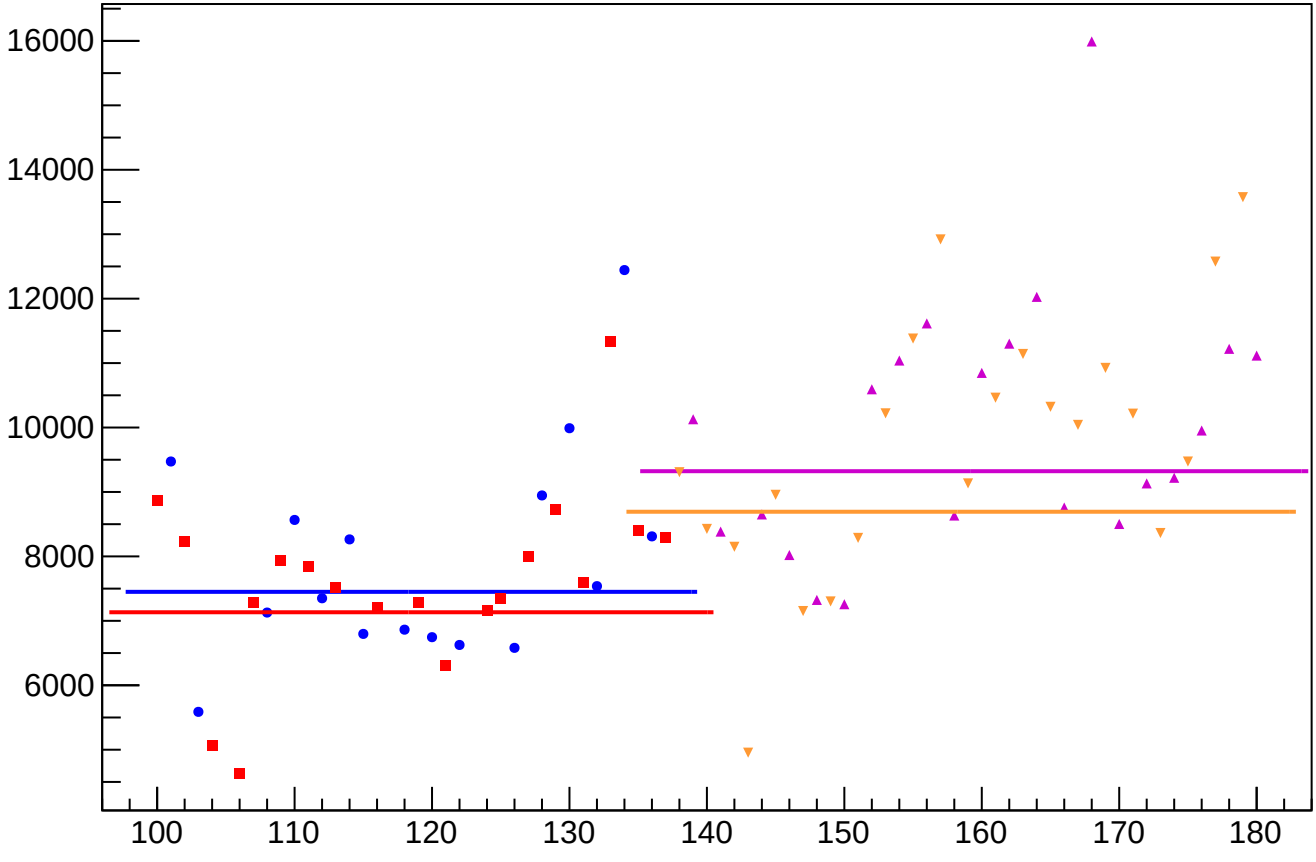
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3493.150+/-1778.747 χ^2/NDF:27.0/36

Out: 1360.874+/-1683.799 χ^2/NDF:39.8/40

All: 2368.586+/-1222.815 χ^2/NDF: 67.5/77

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8693.023+/-1.525 χ^2/NDF:2047889.6/21

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9322.243+/-1.618 χ^2/NDF:1062093.2/20

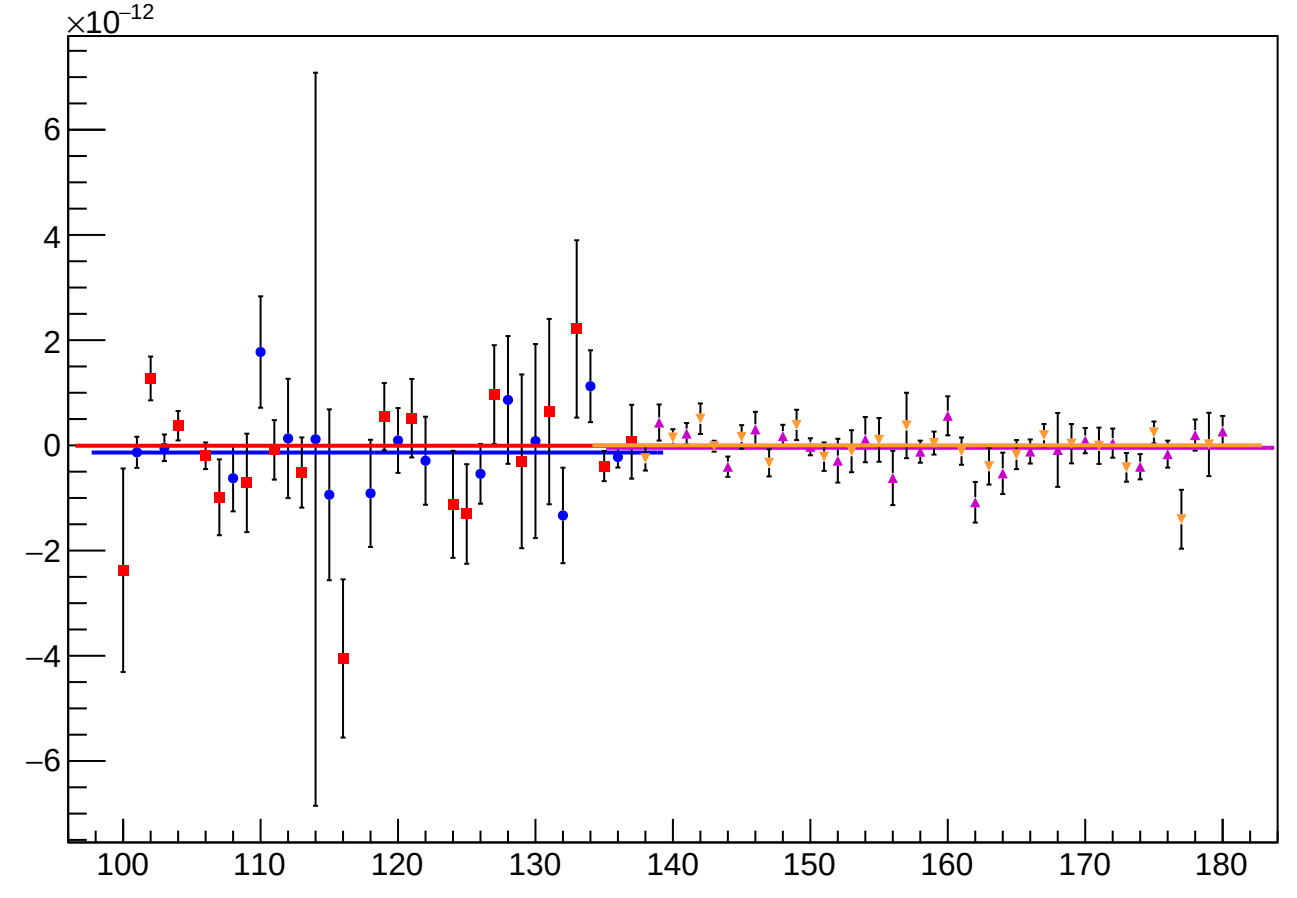
Left: 8989.062+/-1.109 χ^2/NDF: 3190110.7/42

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8582.028+/-1.258 χ^2/NDF:2078214.8/36

Out: 8084.288+/-1.191 χ^2/NDF:3013353.8/40

All: 8319.513+/-0.865 χ^2/NDF: 5174164.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:27.4/20

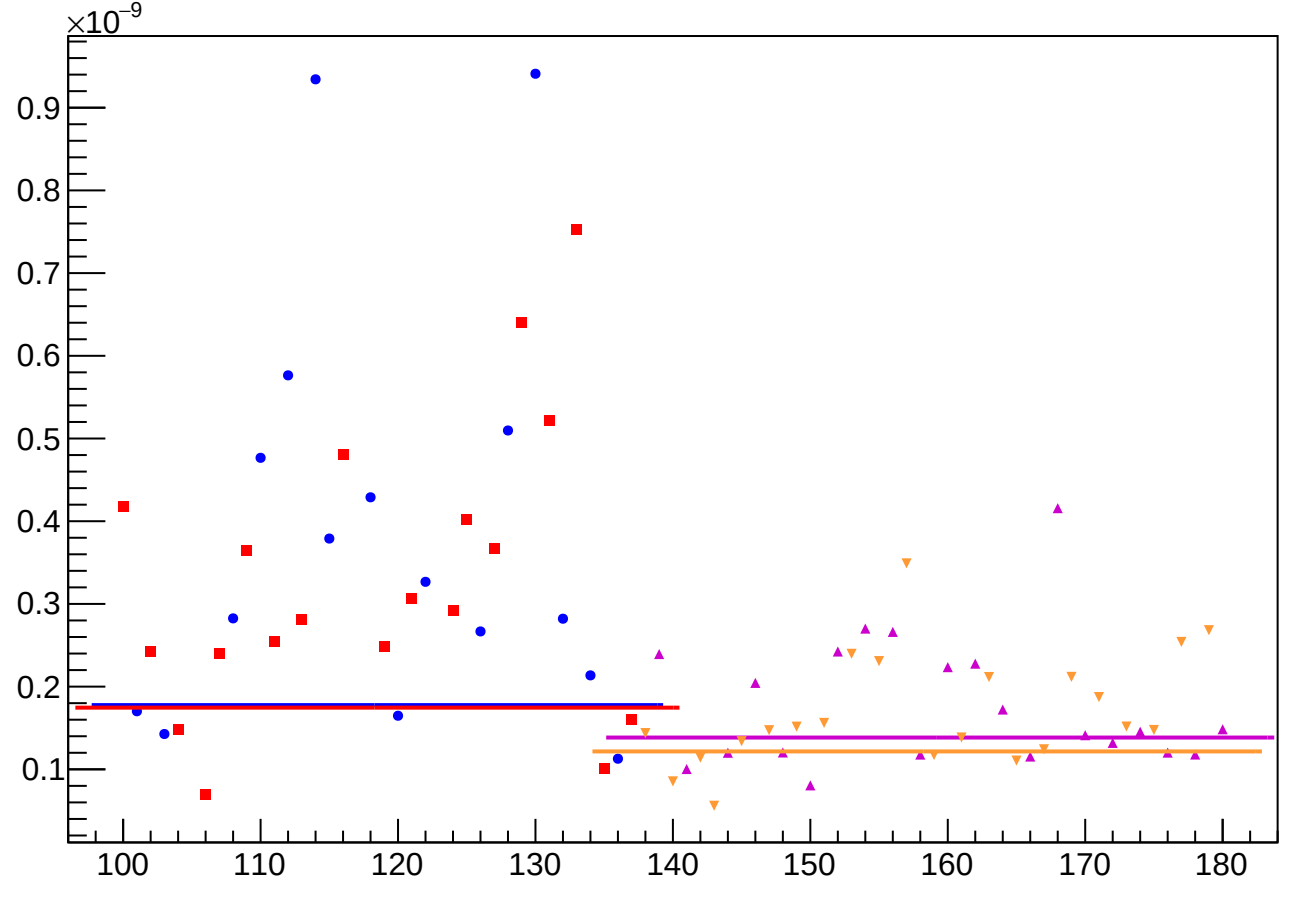
Left: -0.000+/-0.000 χ^2/NDF: 50.7/42

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:39.4/36

Out: -0.000+/-0.000 χ^2/NDF:55.7/40

All: -0.000+/-0.000 χ^2/NDF: 95.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2210682.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1649242.5/20

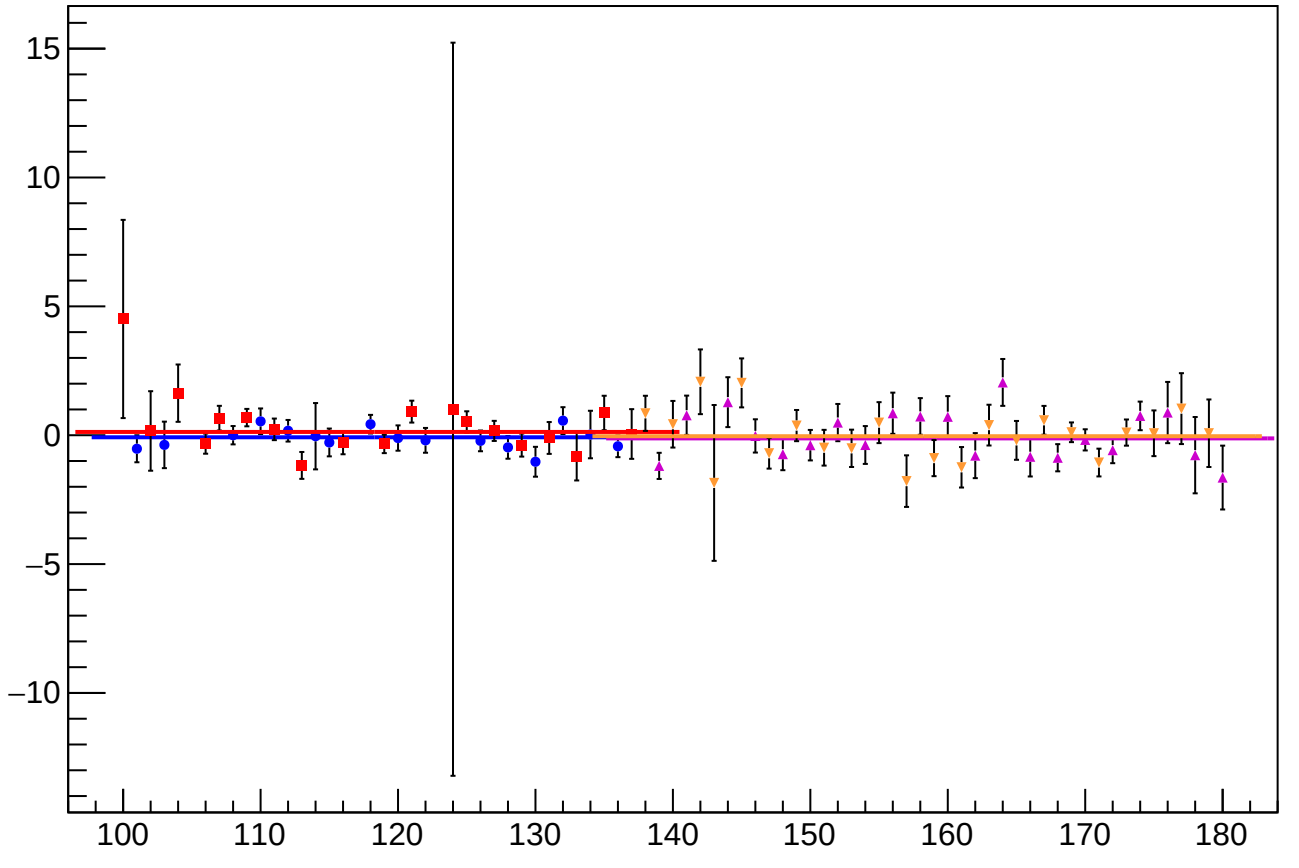
Left: 0.000+/-0.000 χ^2/NDF: 3952803.6/42

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3352460.7/36

Out: 0.000+/-0.000 χ^2/NDF:4167063.8/40

All: 0.000+/-0.000 χ^2/NDF: 7626543.4/77



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.123+/-0.147 χ^2/NDF:28.9/20

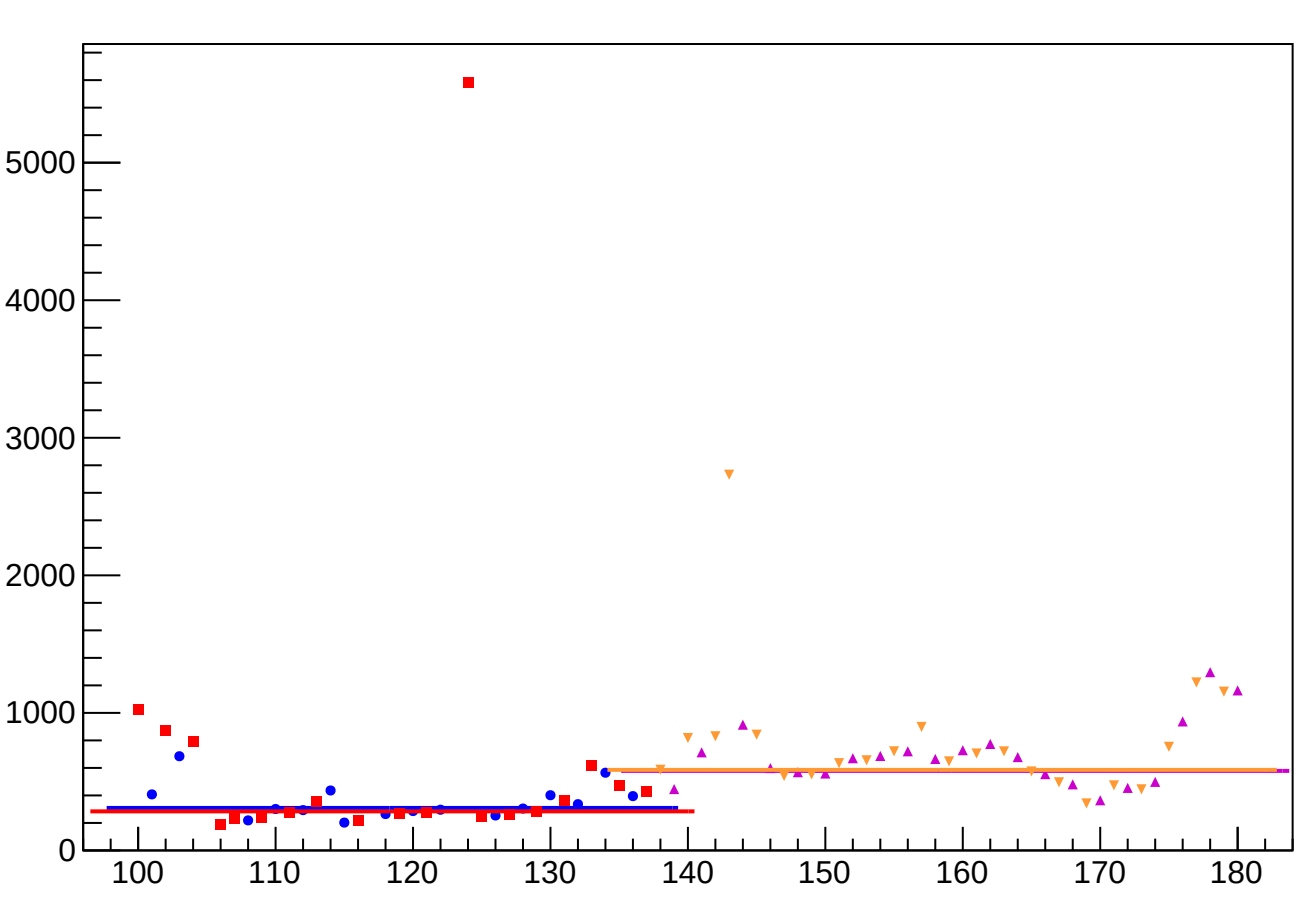
Left: -0.082+/-0.105 χ^2/NDF: 54.8/42

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.097+/-0.094 χ^2/NDF:39.7/36

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.015+/-0.066 χ^2/NDF: 93.0/77



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

Left: 582.046+/-0.074 χ^2/NDF: 6440783.4/42

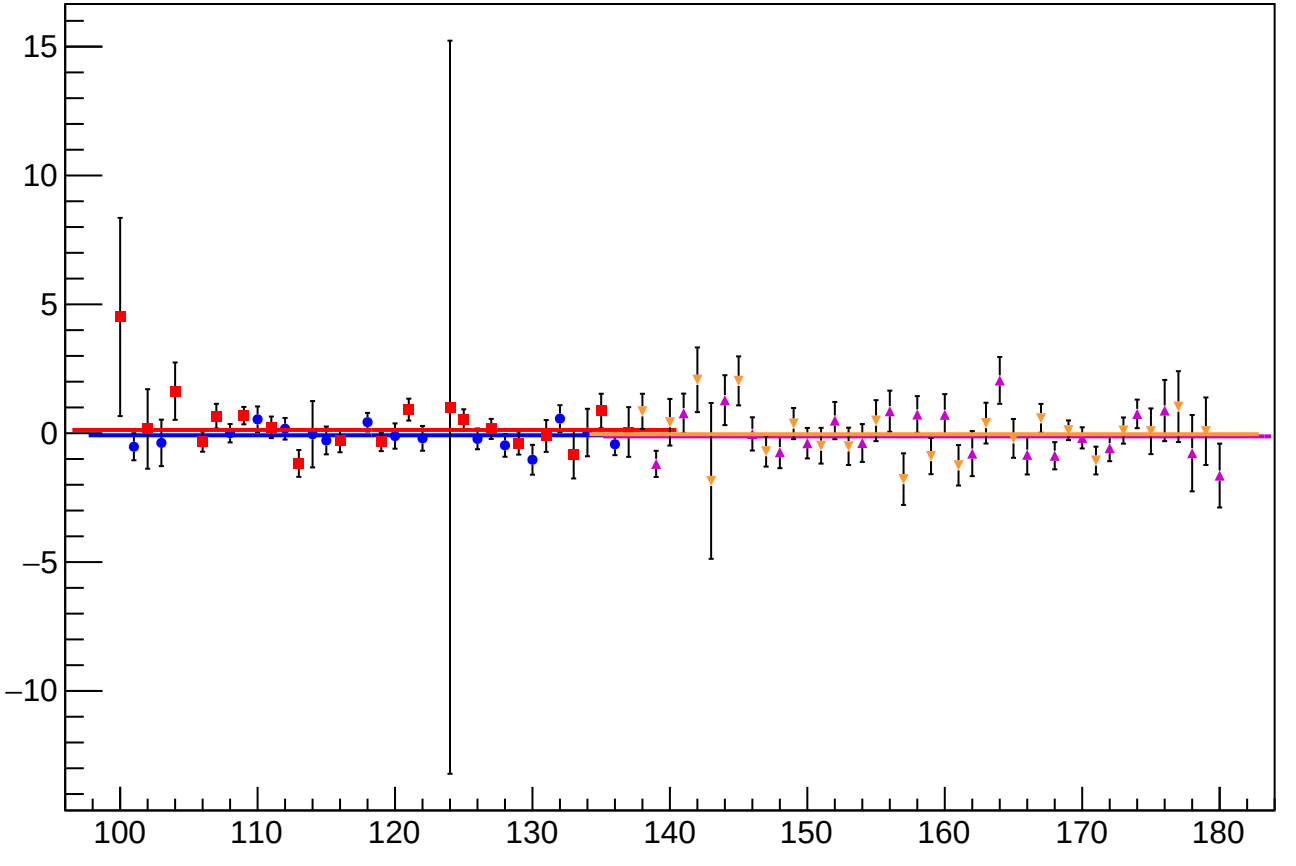
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 418.526+/-0.066 χ^2/NDF:7661887.4/36

Out: 397.649+/-0.065 χ^2/NDF:10624601.9/40

All: 407.914+/-0.047 χ^2/NDF: 18336747.3/77

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.123+/-0.147 χ^2/NDF:28.9/20

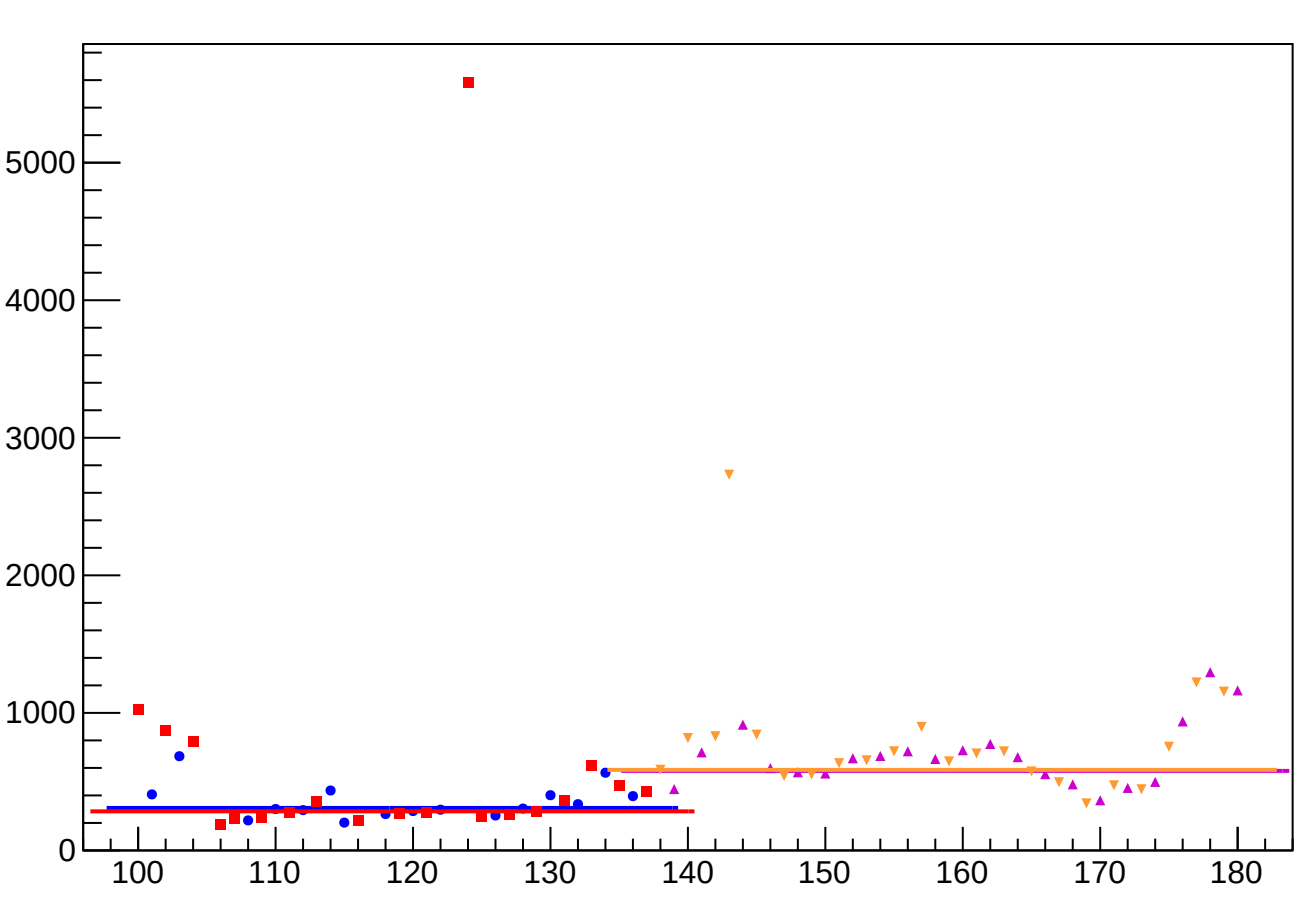
Left: -0.082+/-0.105 χ^2/NDF: 54.8/42

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.097+/-0.094 χ^2/NDF:39.7/36

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.015+/-0.066 χ^2/NDF: 93.0/77



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 578.385+/-0.104 χ^2/NDF:2678720.9/20

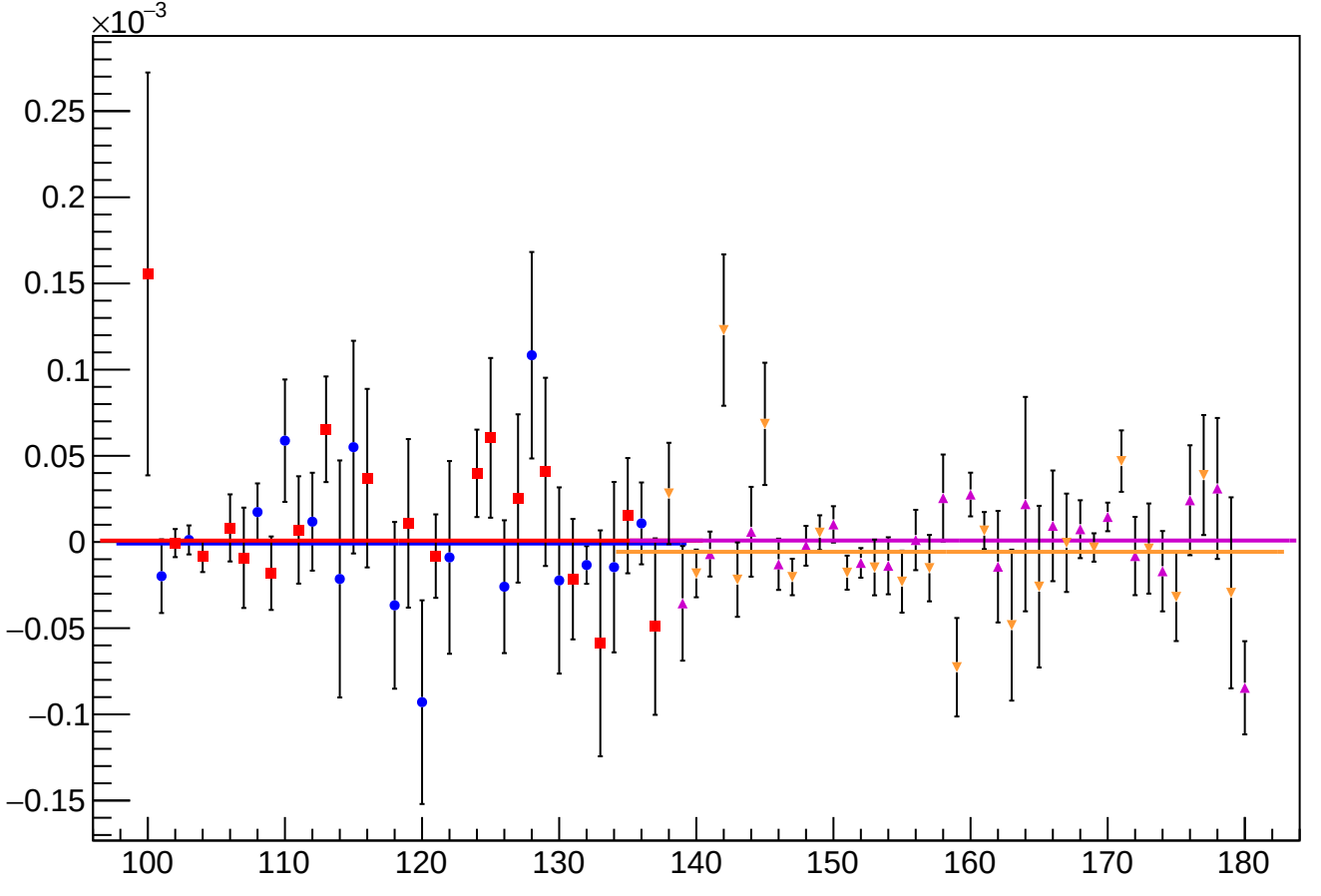
Left: 582.046+/-0.074 χ^2/NDF: 6440783.4/42

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 418.526+/-0.066 χ^2/NDF:7661887.4/36

Out: 397.649+/-0.065 χ^2/NDF:10624601.9/40

All: 407.914+/-0.047 χ^2/NDF: 18336747.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:26.9/20

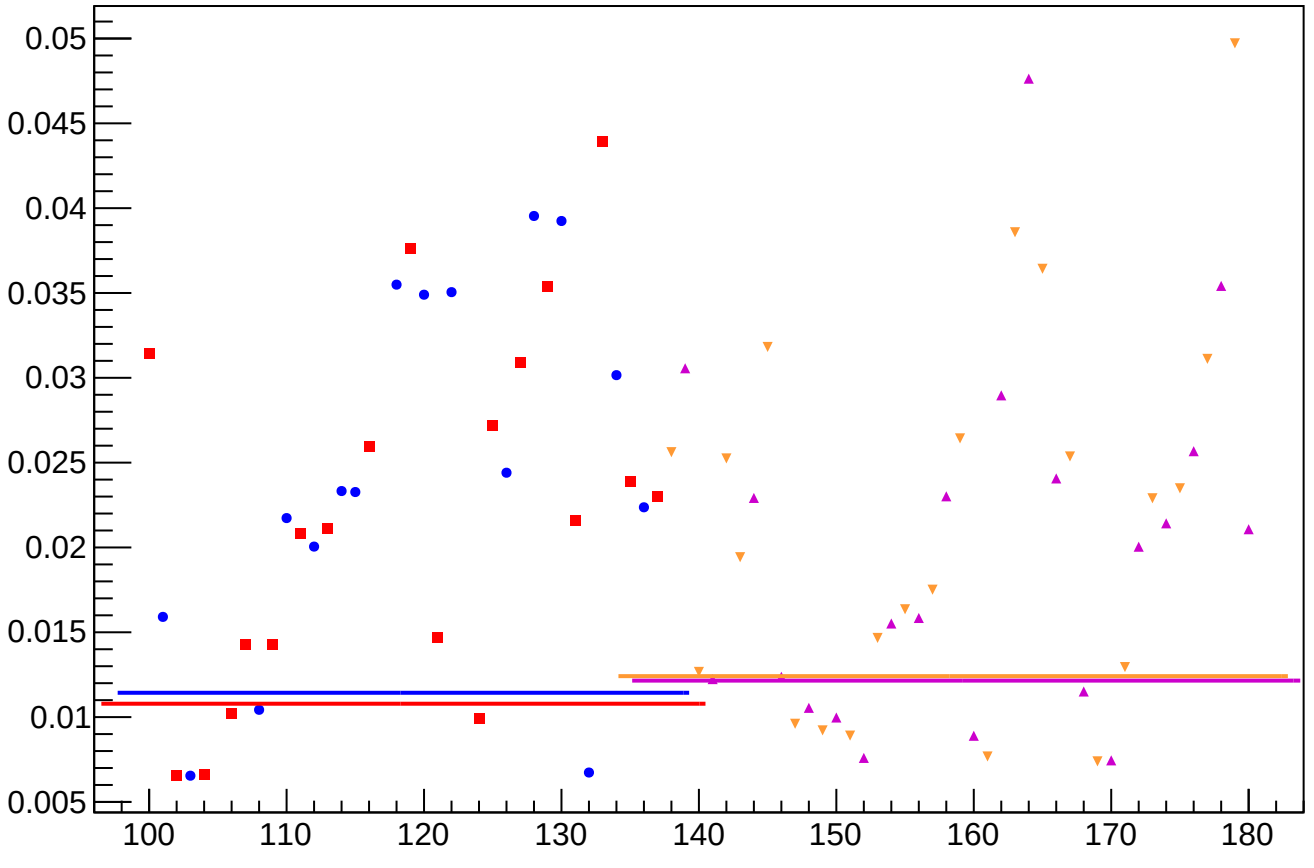
Left: -0.000+/-0.000 χ^2/NDF: 70.1/42

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:41.4/36

Out: -0.000+/-0.000 χ^2/NDF:58.8/40

All: -0.000+/-0.000 χ^2/NDF: 101.1/77



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7695854.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:6208168.9/20

Left: 0.012+/-0.000 χ^2/NDF: 13909797.3/42

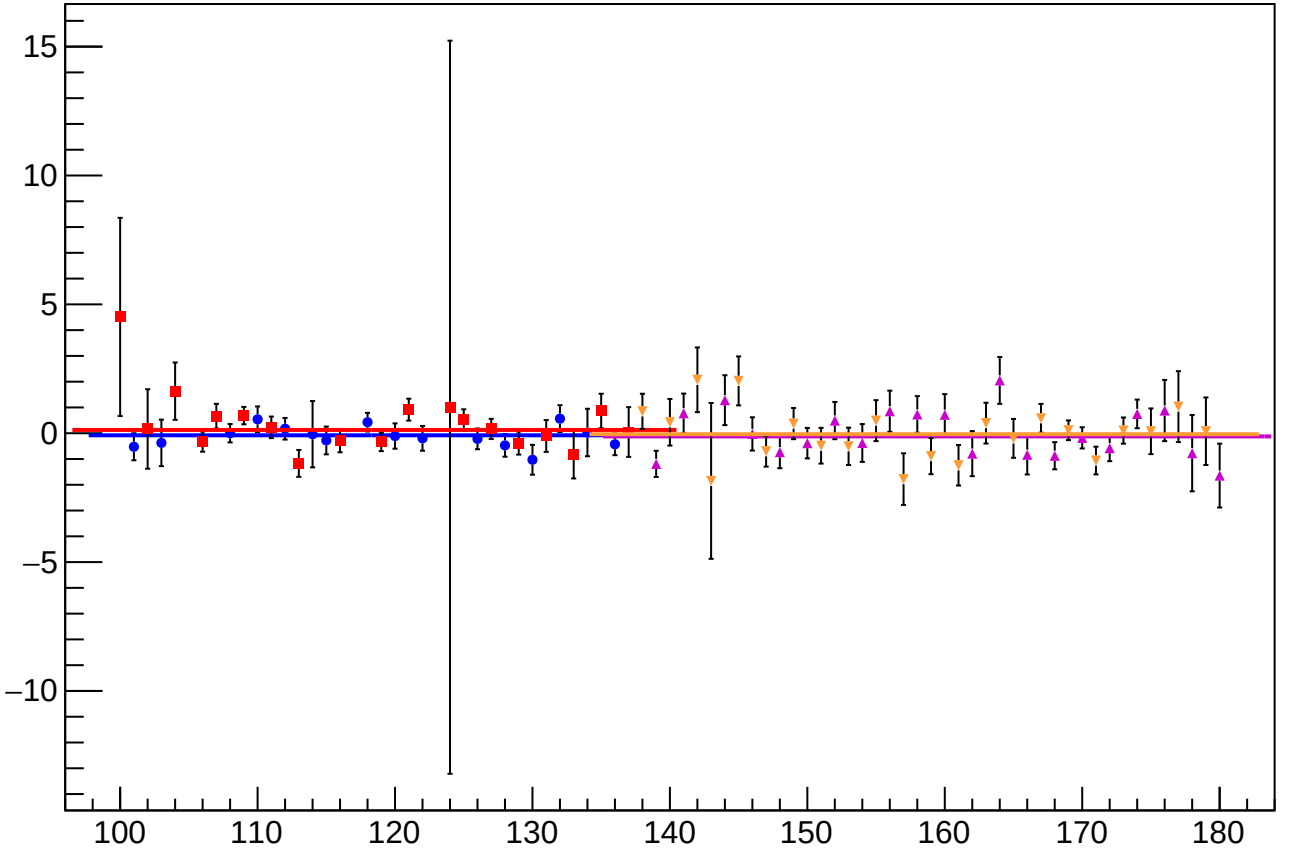
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10933717.1/36

Out: 0.012+/-0.000 χ^2/NDF:12318115.0/40

All: 0.012+/-0.000 χ^2/NDF: 23252603.3/77

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: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.123+/-0.147 χ^2/NDF:28.9/20

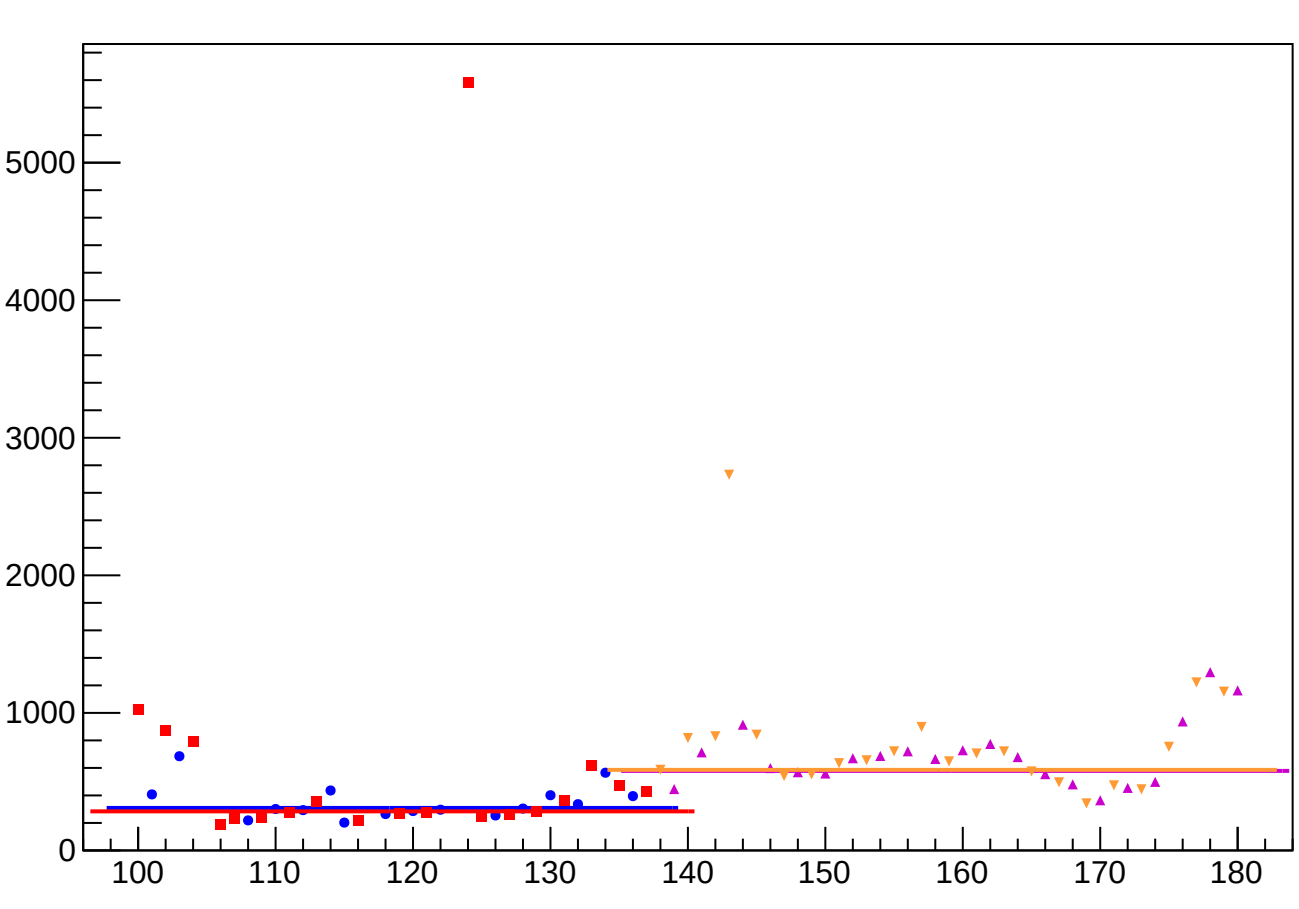
Left: -0.082+/-0.105 χ^2/NDF: 54.8/42

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.097+/-0.094 χ^2/NDF:39.7/36

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.015+/-0.066 χ^2/NDF: 93.0/77



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

Left: 582.047+/-0.074 χ^2/NDF: 6441099.9/42

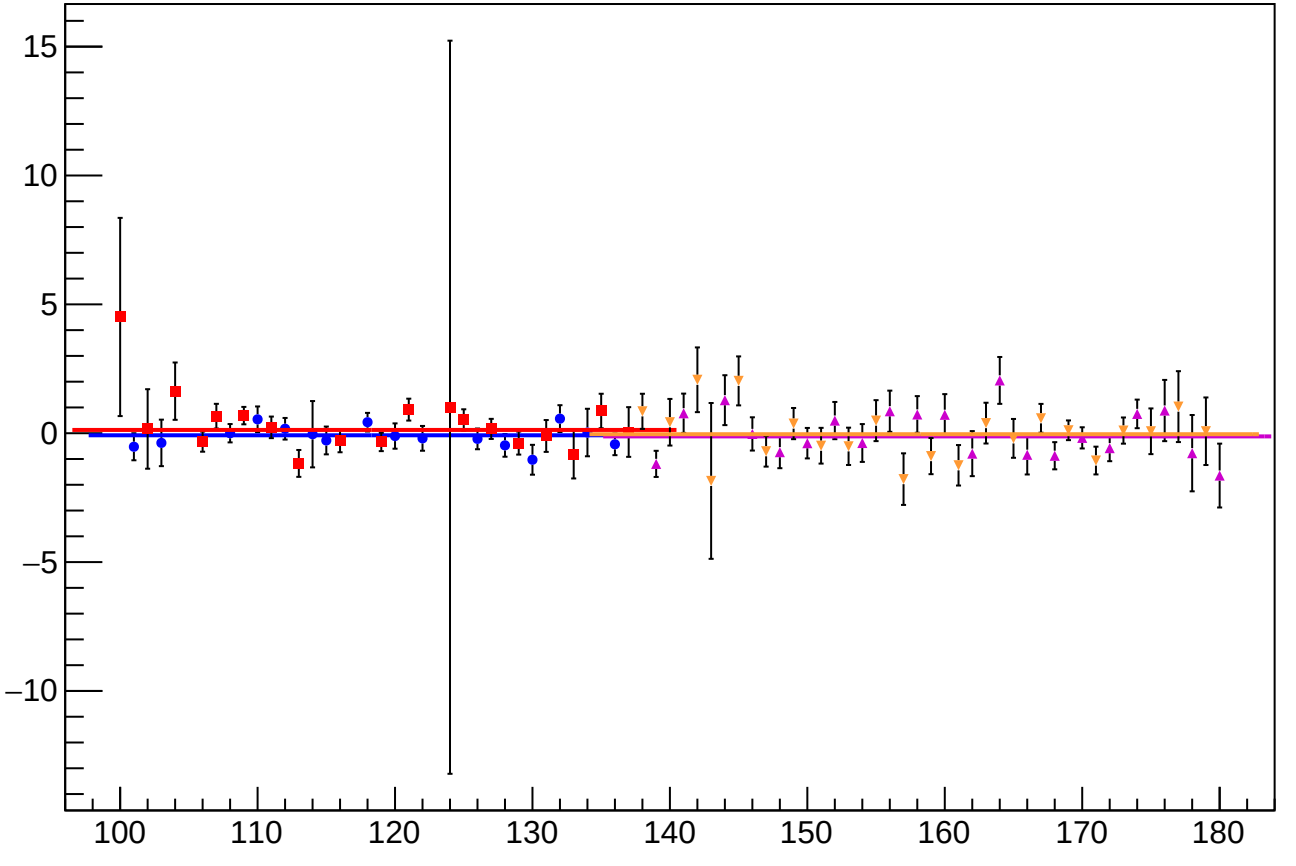
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 418.525+/-0.066 χ^2/NDF:7662060.7/36

Out: 397.648+/-0.065 χ^2/NDF:10624791.0/40

All: 407.913+/-0.047 χ^2/NDF: 18337112.6/77

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: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.123+/-0.147 χ^2/NDF:28.9/20

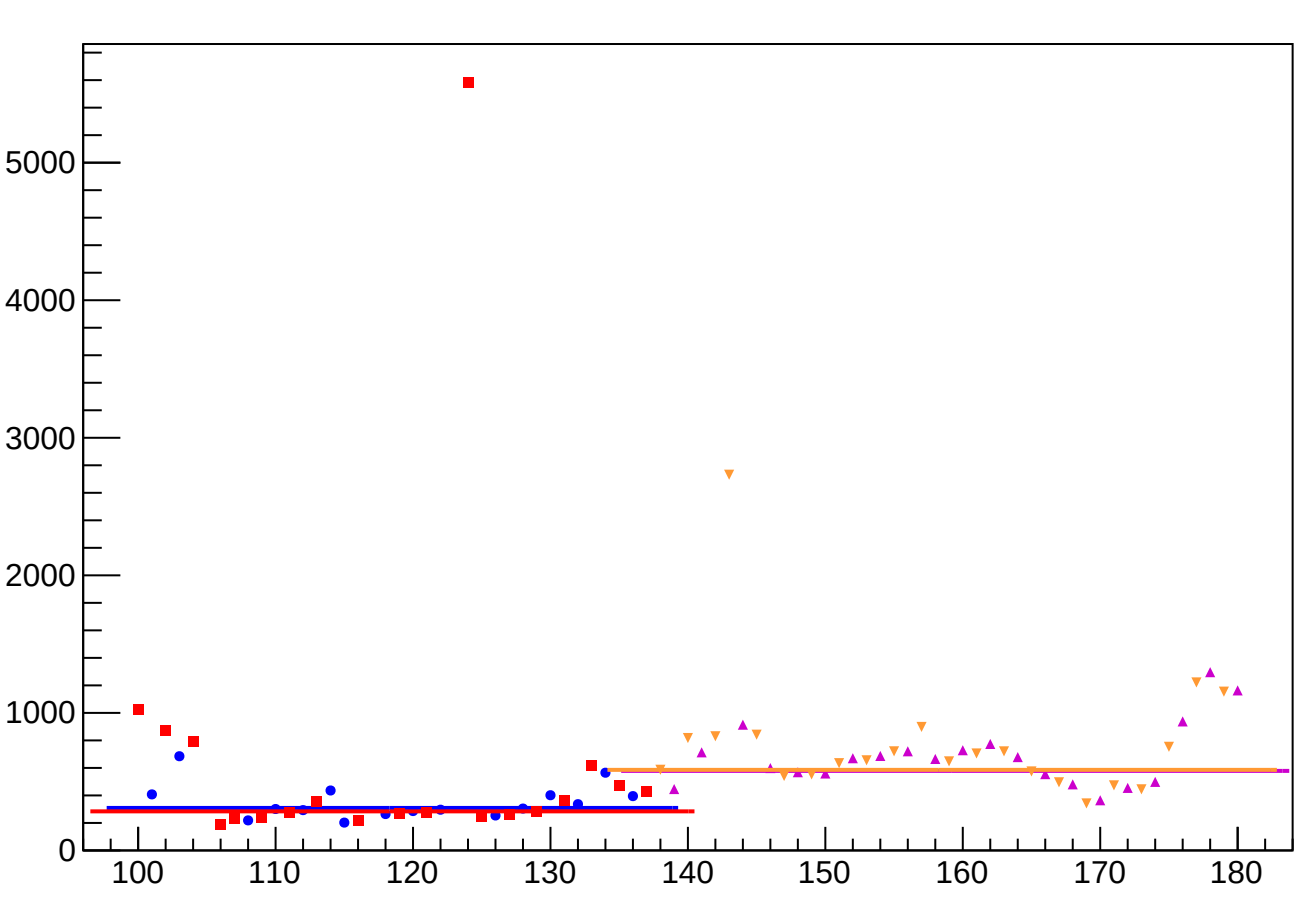
Left: -0.082+/-0.105 χ^2/NDF: 54.8/42

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.097+/-0.094 χ^2/NDF:39.7/36

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.015+/-0.066 χ^2/NDF: 93.0/77



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 578.388+/-0.104 χ^2/NDF:2678845.4/20

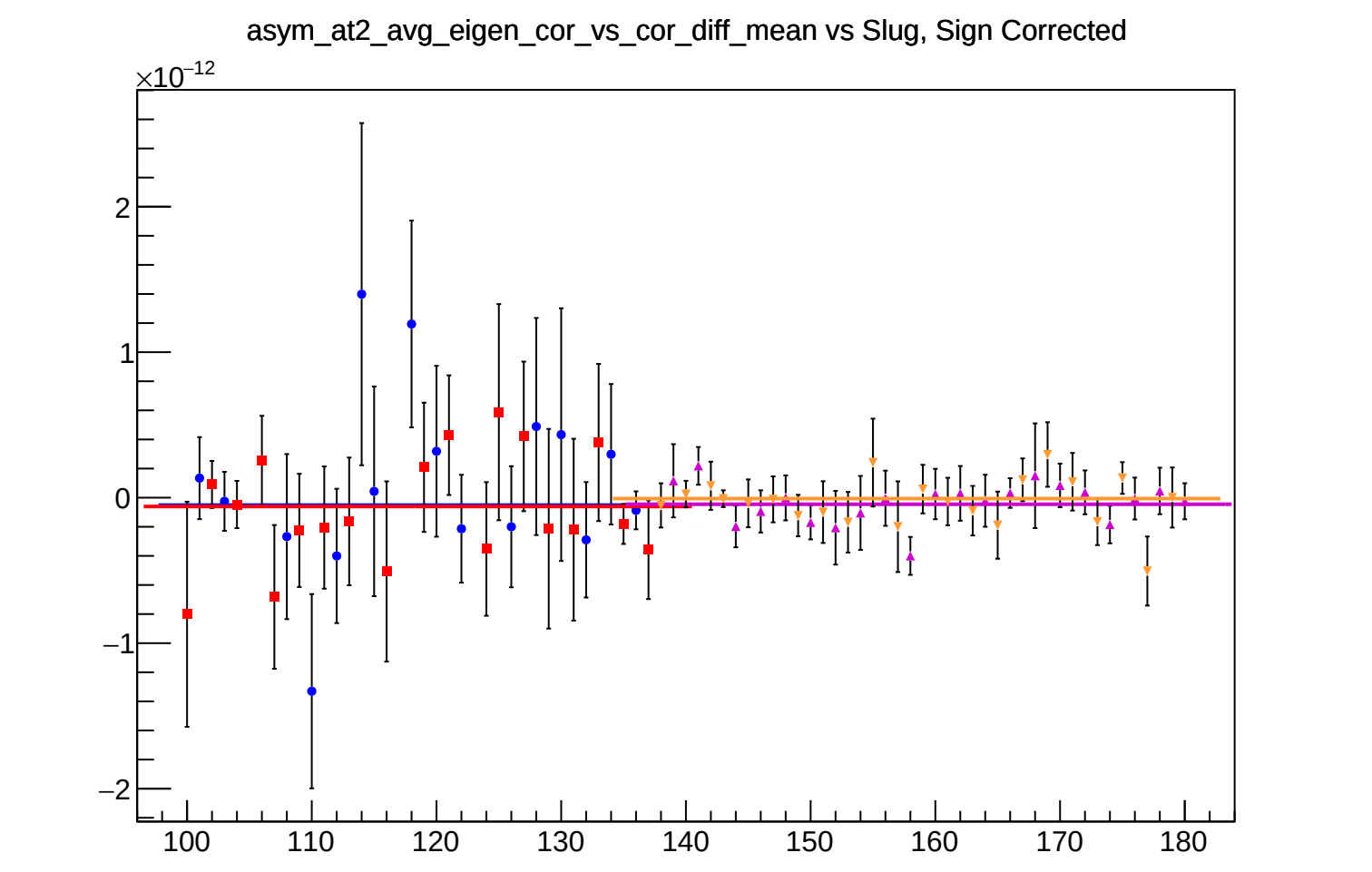
Left: 582.047+/-0.074 χ^2/NDF: 6441099.9/42

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 418.525+/-0.066 χ^2/NDF:7662060.7/36

Out: 397.648+/-0.065 χ^2/NDF:10624791.0/40

All: 407.913+/-0.047 χ^2/NDF: 18337112.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

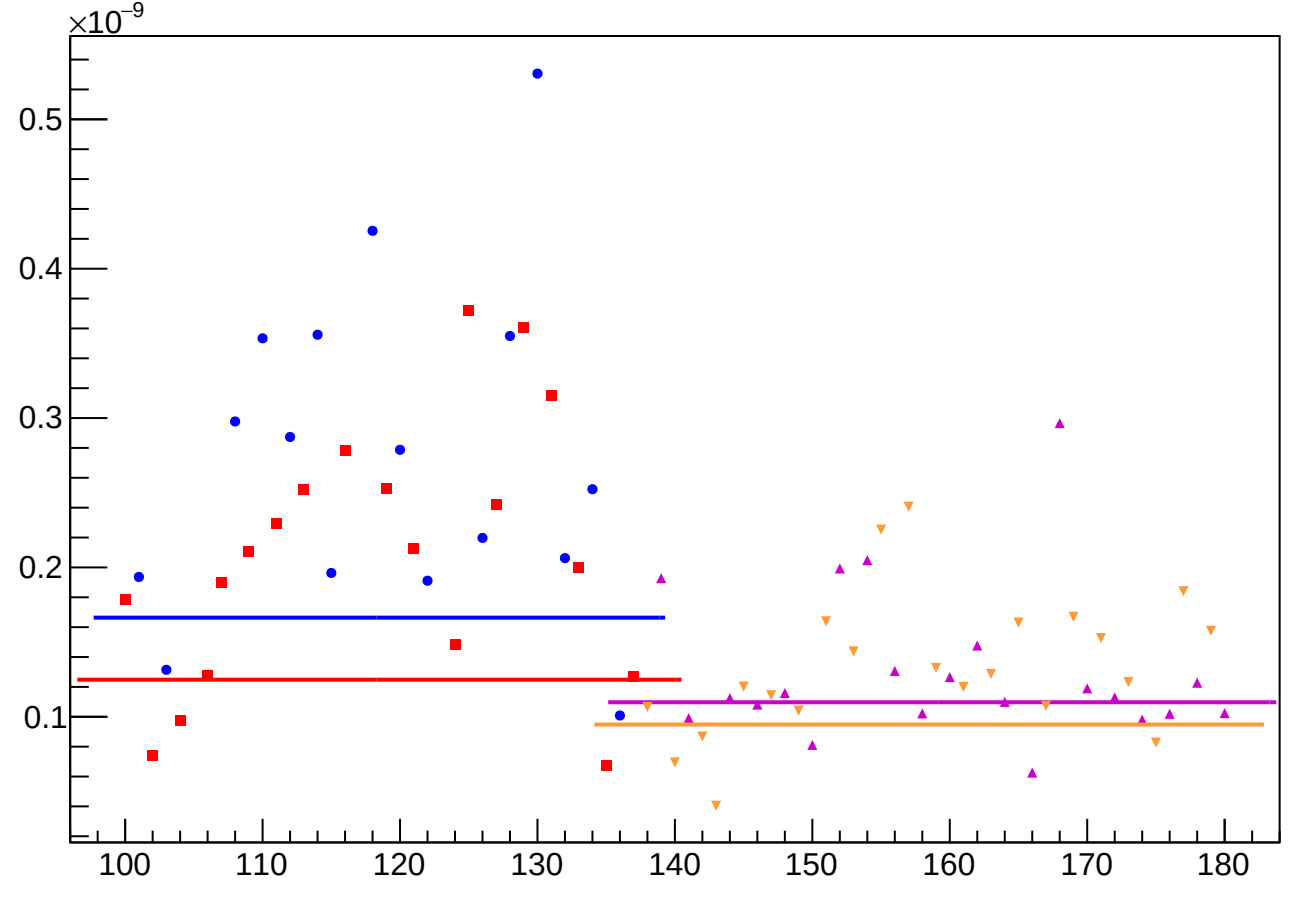
Left: -0.000+/-0.000 χ^2/NDF: 33.7/42

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.7/36

Out: -0.000+/-0.000 χ^2/NDF:26.1/40

All: -0.000+/-0.000 χ^2/NDF: 57.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4527119.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2036827.4/20

Left: 0.000+/-0.000 χ^2/NDF: 6782635.2/42

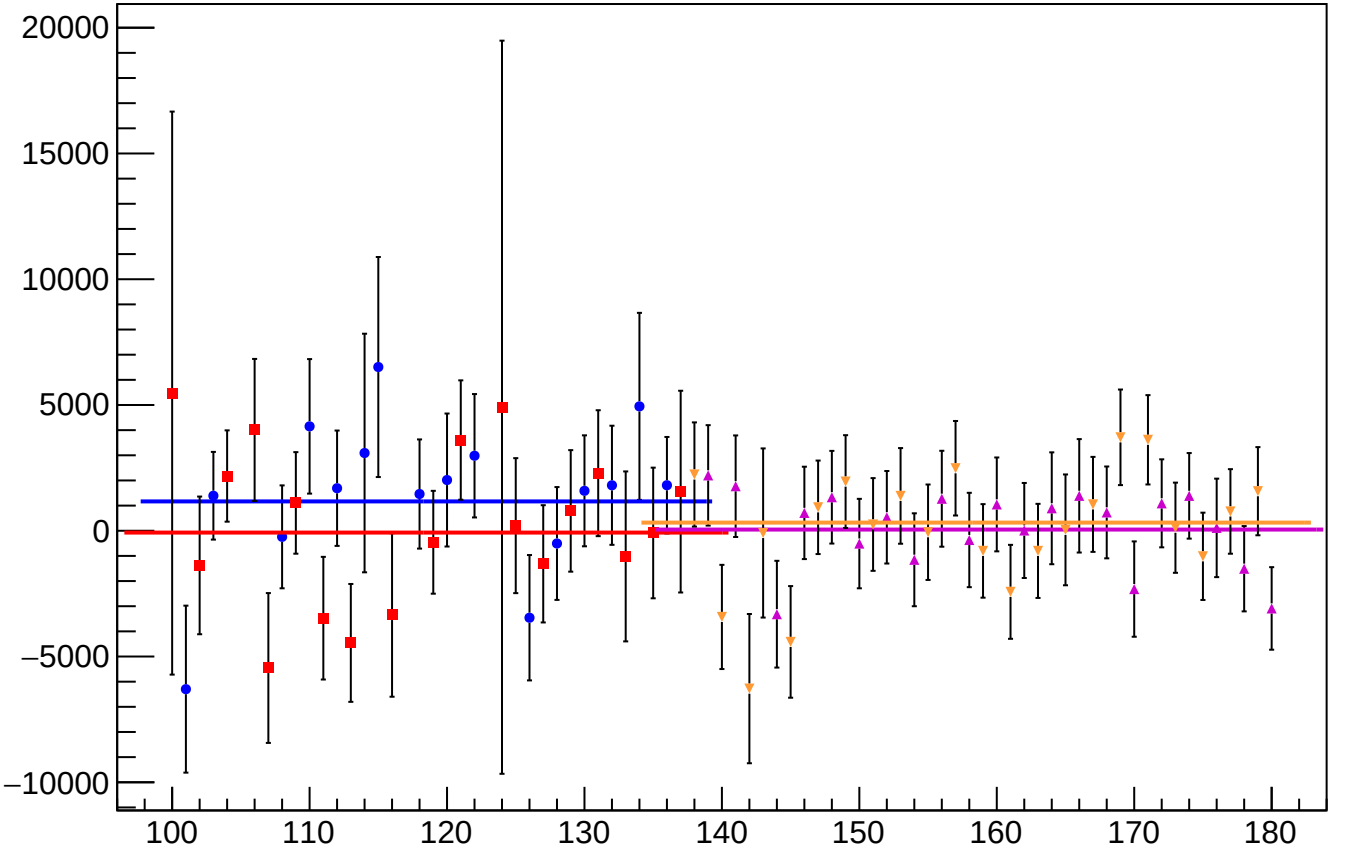
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4799930.4/36

Out: 0.000+/-0.000 χ^2/NDF:7045875.7/40

All: 0.000+/-0.000 χ^2/NDF: 12208223.1/77

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.415+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 47.599+/-409.255 χ^2/NDF:14.0/20

Left: 184.612+/-290.842 χ^2/NDF: 41.4/42

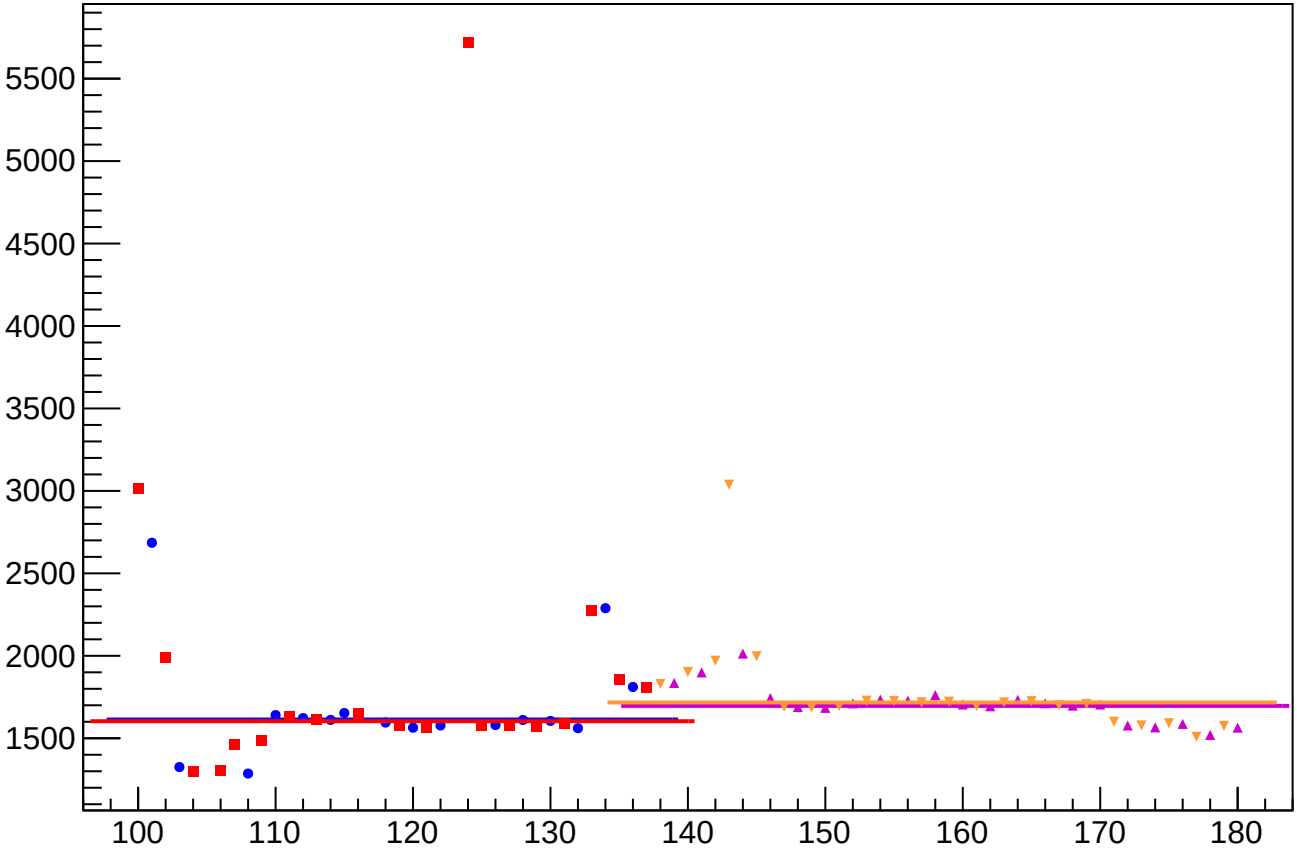
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 395.672+/-339.710 χ^2/NDF:30.8/36

Out: 197.713+/-341.032 χ^2/NDF:45.7/40

All: 297.077+/-240.677 χ^2/NDF: 76.6/77

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

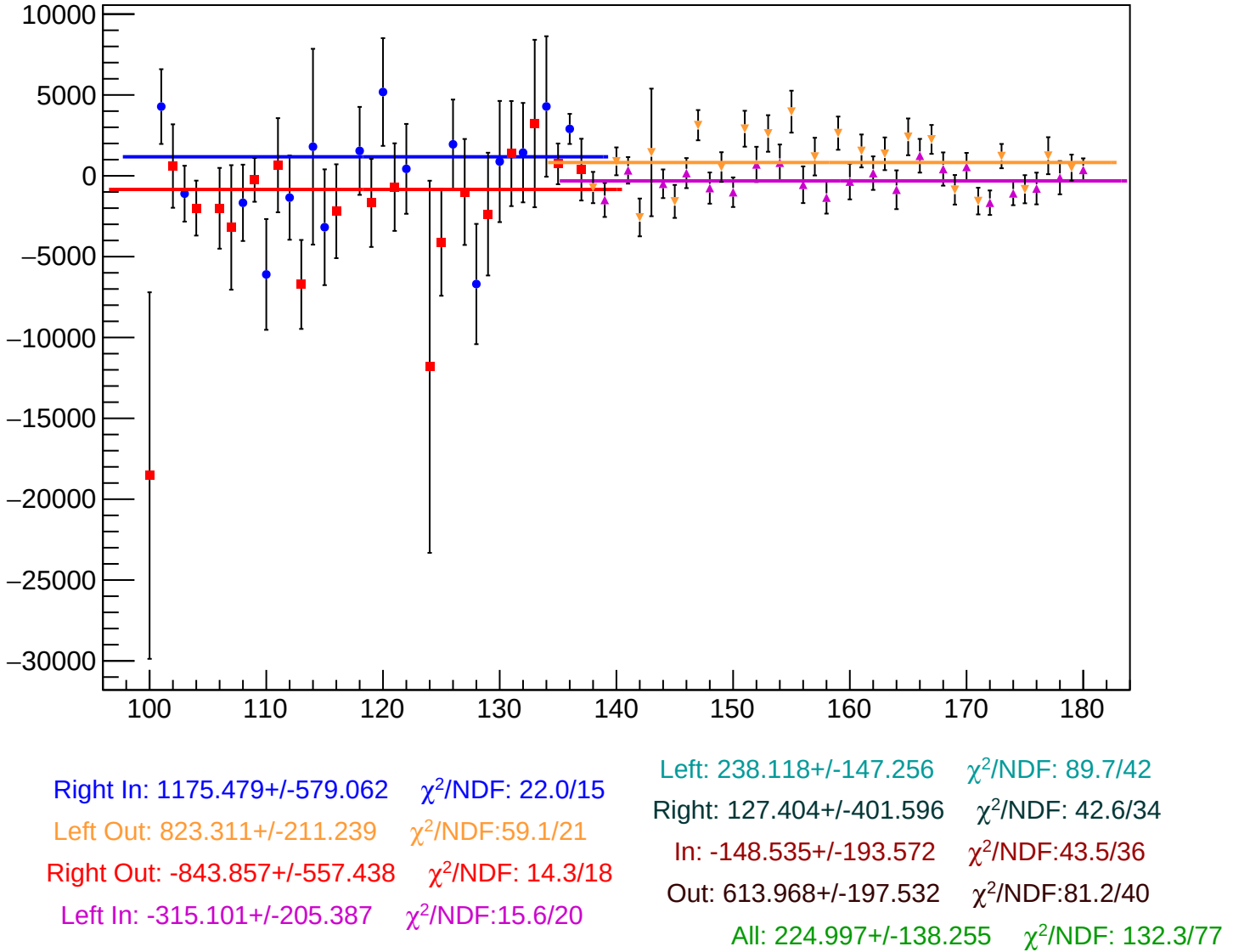
Left: 1706.736+/-0.206 χ^2/NDF: 599080.4/42

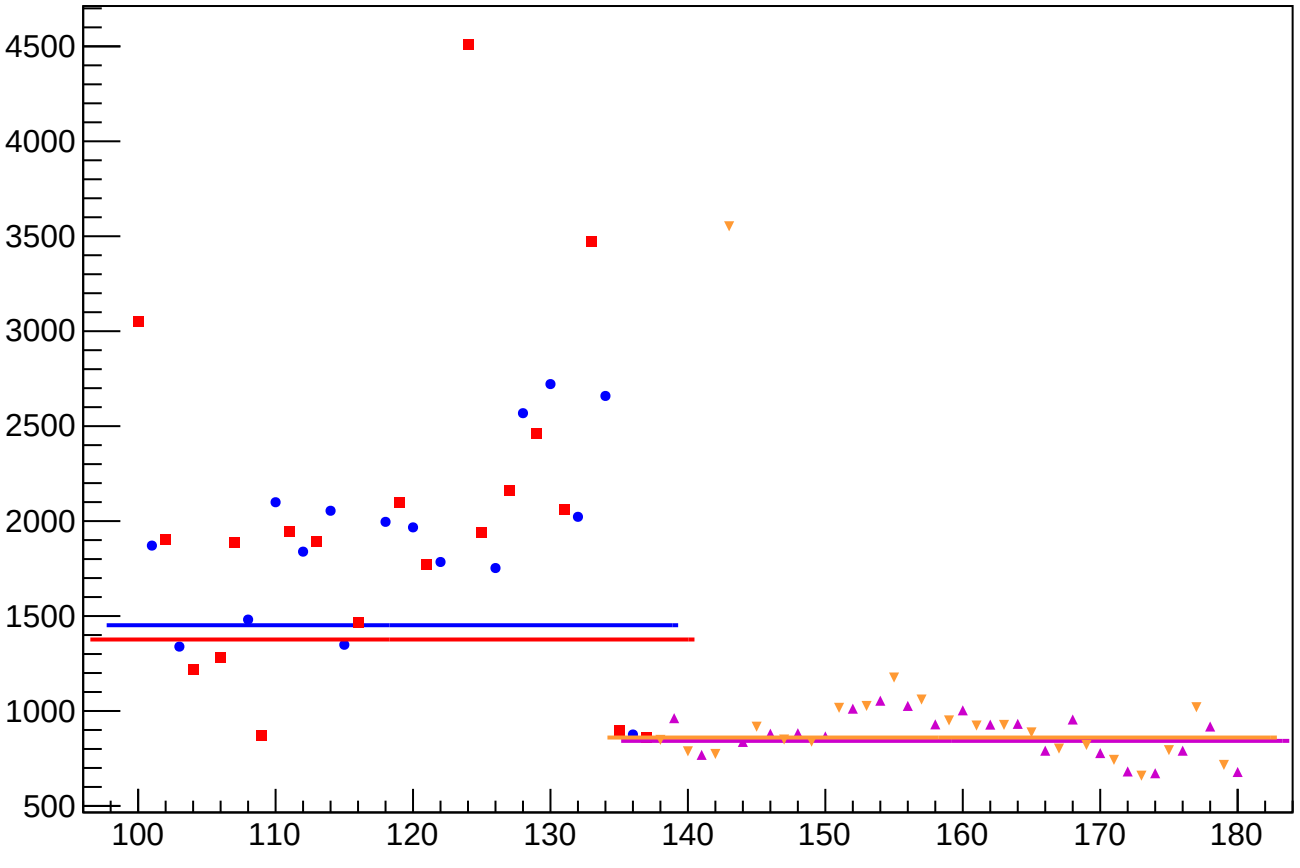
Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1670.616+/-0.240 χ^2/NDF:572531.7/36

Out: 1680.978+/-0.241 χ^2/NDF:928279.6/40

All: 1675.777+/-0.170 χ^2/NDF: 1501738.1/77


asym_at2_dd_reg_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 1175.479+/-579.062 χ²/NDF: 22.0/15
Left Out: 823.311+/-211.239 χ²/NDF:59.1/21
Right Out: -843.857+/-557.438 χ²/NDF: 14.3/18
Left In: -315.101+/-205.387 χ²/NDF:15.6/20
Left: 238.118+/-147.256 χ²/NDF: 89.7/42
Right: 127.404+/-401.596 χ²/NDF: 42.6/34
In: -148.535+/-193.572 χ²/NDF:43.5/36
Out: 613.968+/-197.532 χ²/NDF:81.2/40
All: 224.997+/-138.255 χ²/NDF: 132.3/77



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 860.204+/-0.149 χ^2/NDF:1568635.9/21

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 842.611+/-0.145 χ^2/NDF:664334.4/20

Left: 851.161+/-0.104 χ^2/NDF: 2240101.1/42

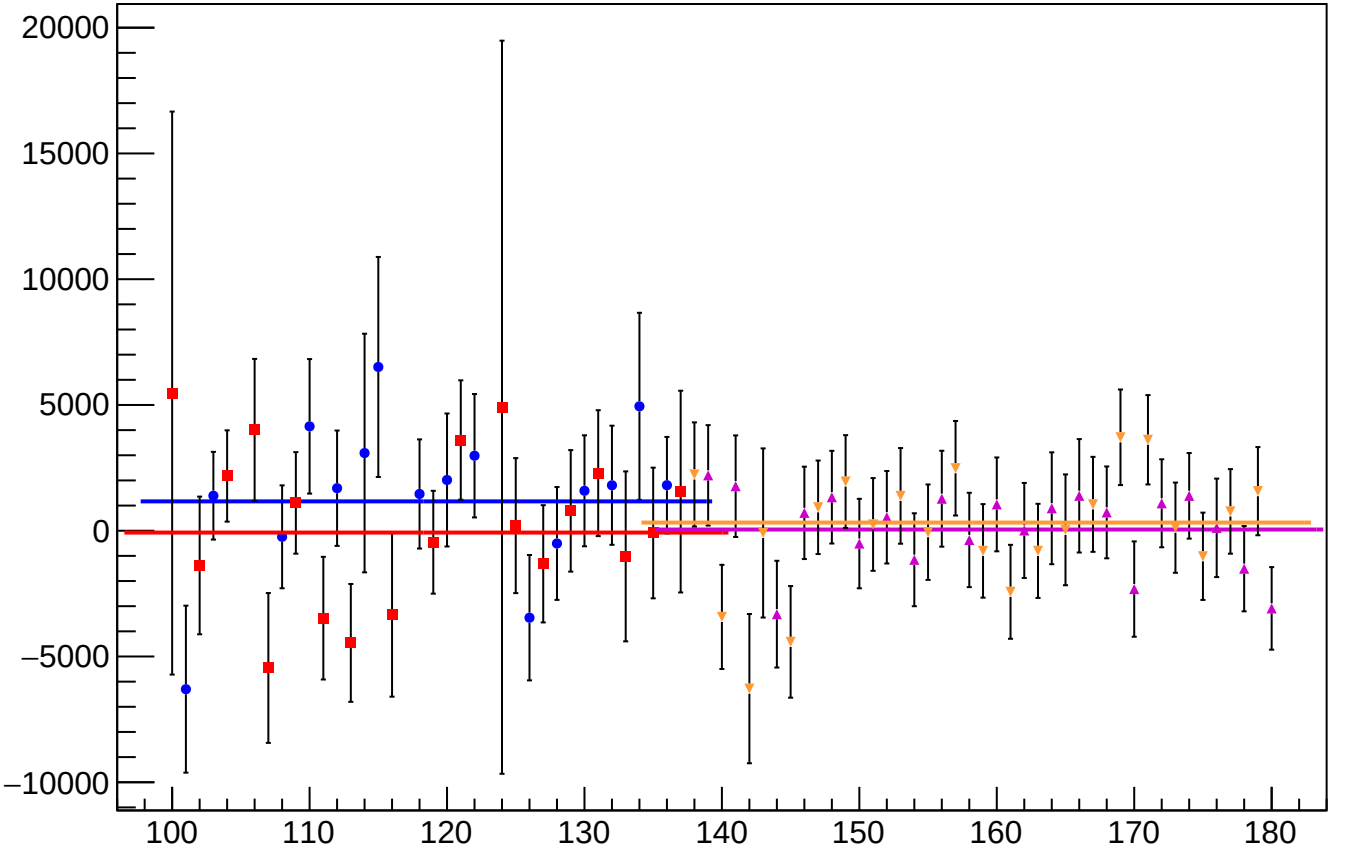
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 910.667+/-0.137 χ^2/NDF:4420250.1/36

Out: 925.030+/-0.140 χ^2/NDF:5200749.0/40

All: 917.703+/-0.098 χ^2/NDF: 9626393.7/77

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 47.542+/-409.255 χ^2/NDF:14.0/20

Left: 184.560+/-290.842 χ^2/NDF: 41.4/42

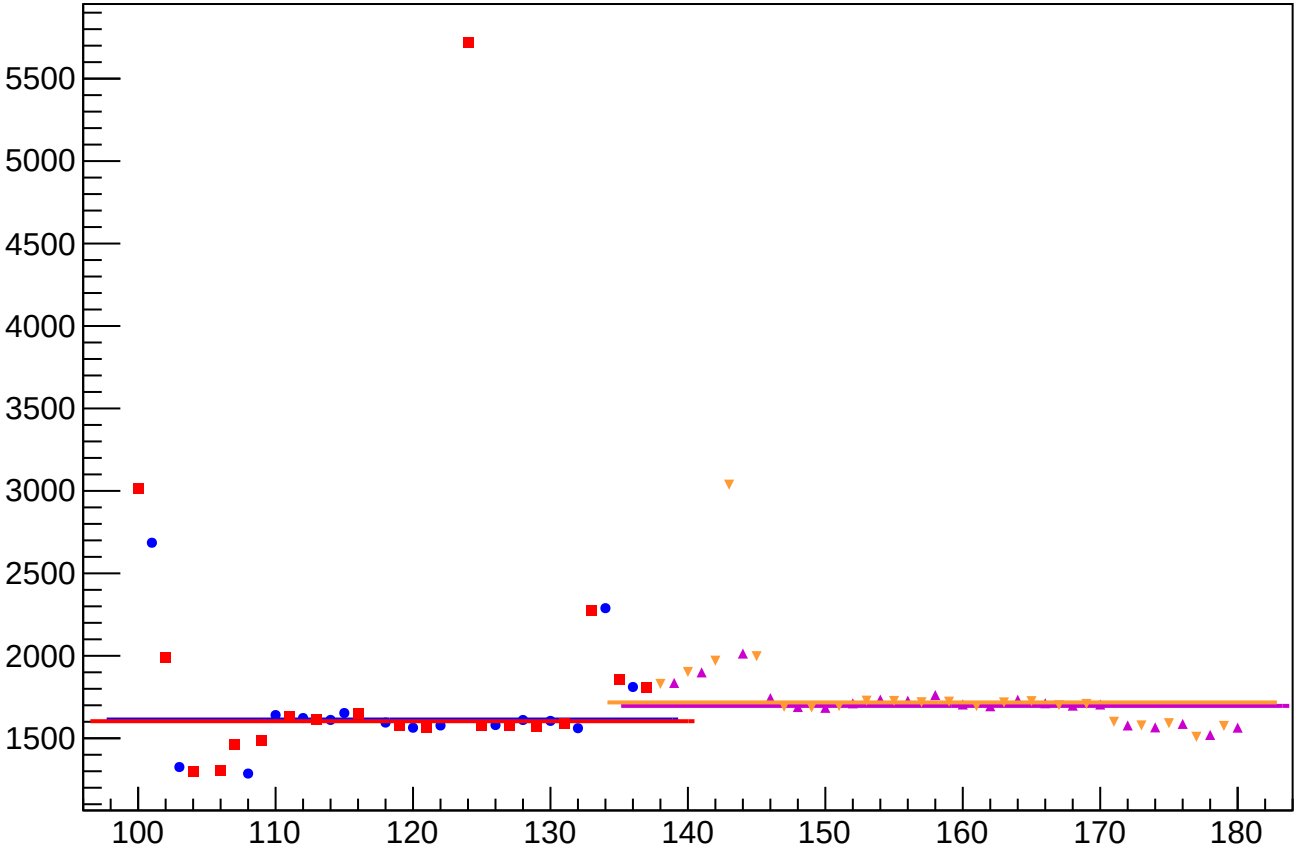
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 395.604+/-339.710 χ^2/NDF:30.8/36

Out: 197.580+/-341.032 χ^2/NDF:45.7/40

All: 296.976+/-240.677 χ^2/NDF: 76.6/77

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

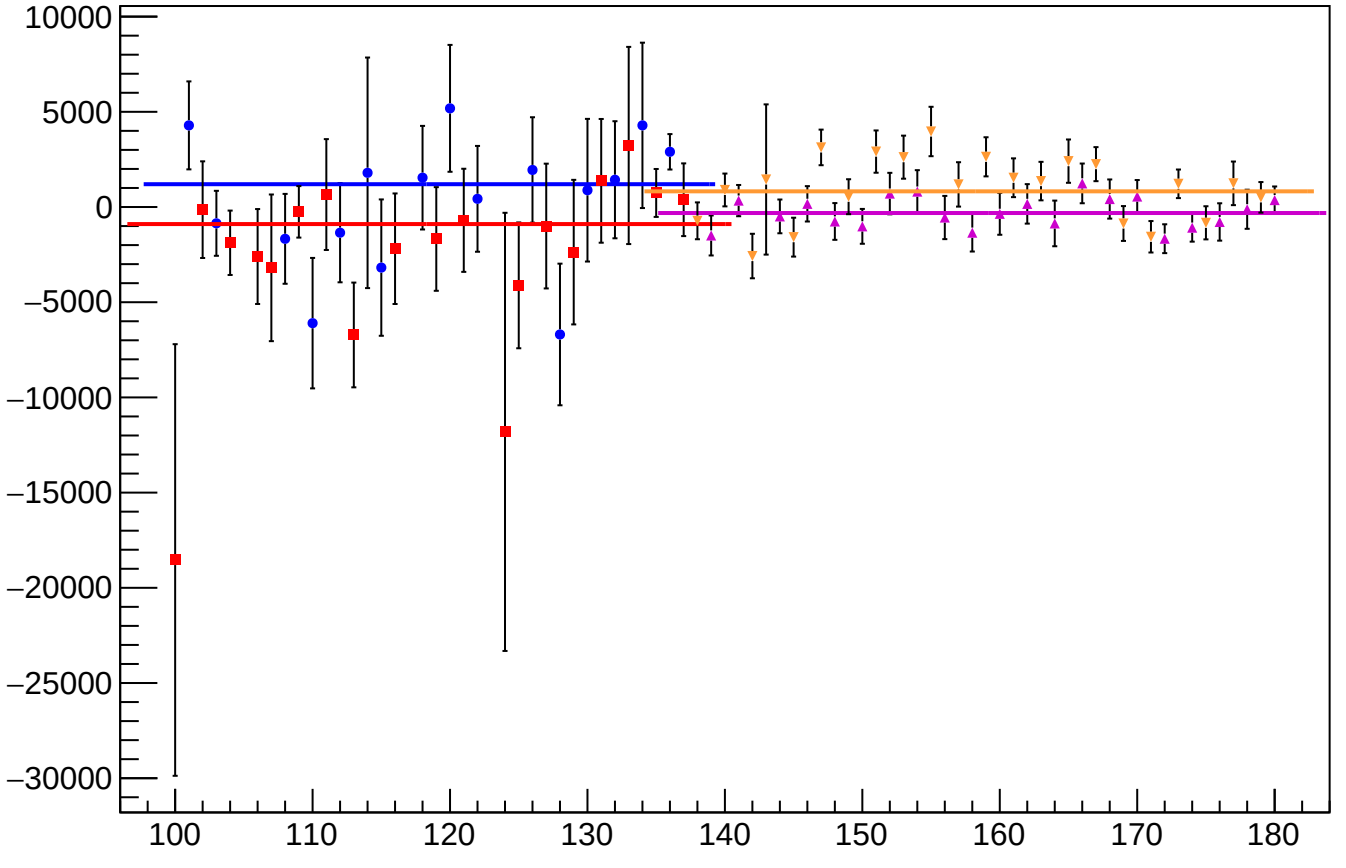
Left: 1706.736+/-0.206 χ^2/NDF: 599080.3/42

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1670.616+/-0.240 χ^2/NDF:572532.0/36

Out: 1680.978+/-0.241 χ^2/NDF:928279.8/40

All: 1675.777+/-0.170 χ^2/NDF: 1501738.5/77



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.080+/-205.387 χ^2/NDF:15.6/20

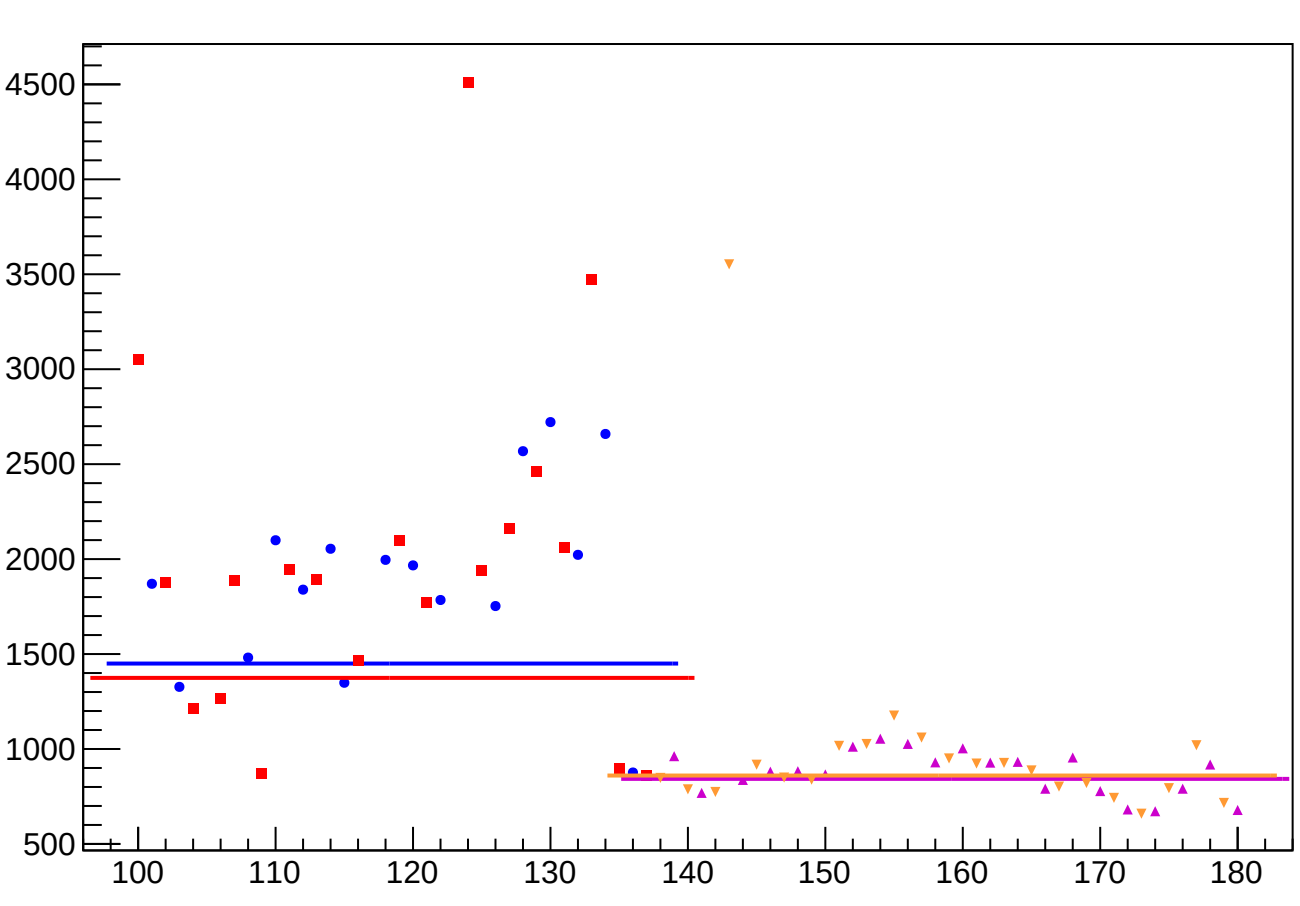
Left: 238.176+/-147.257 χ^2/NDF: 89.7/42

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -145.534+/-193.541 χ^2/NDF:43.4/36

Out: 607.051+/-197.499 χ^2/NDF:81.7/40

All: 223.143+/-138.232 χ^2/NDF: 132.4/77



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

Left: 851.165+/-0.104 χ^2/NDF: 2240050.8/42

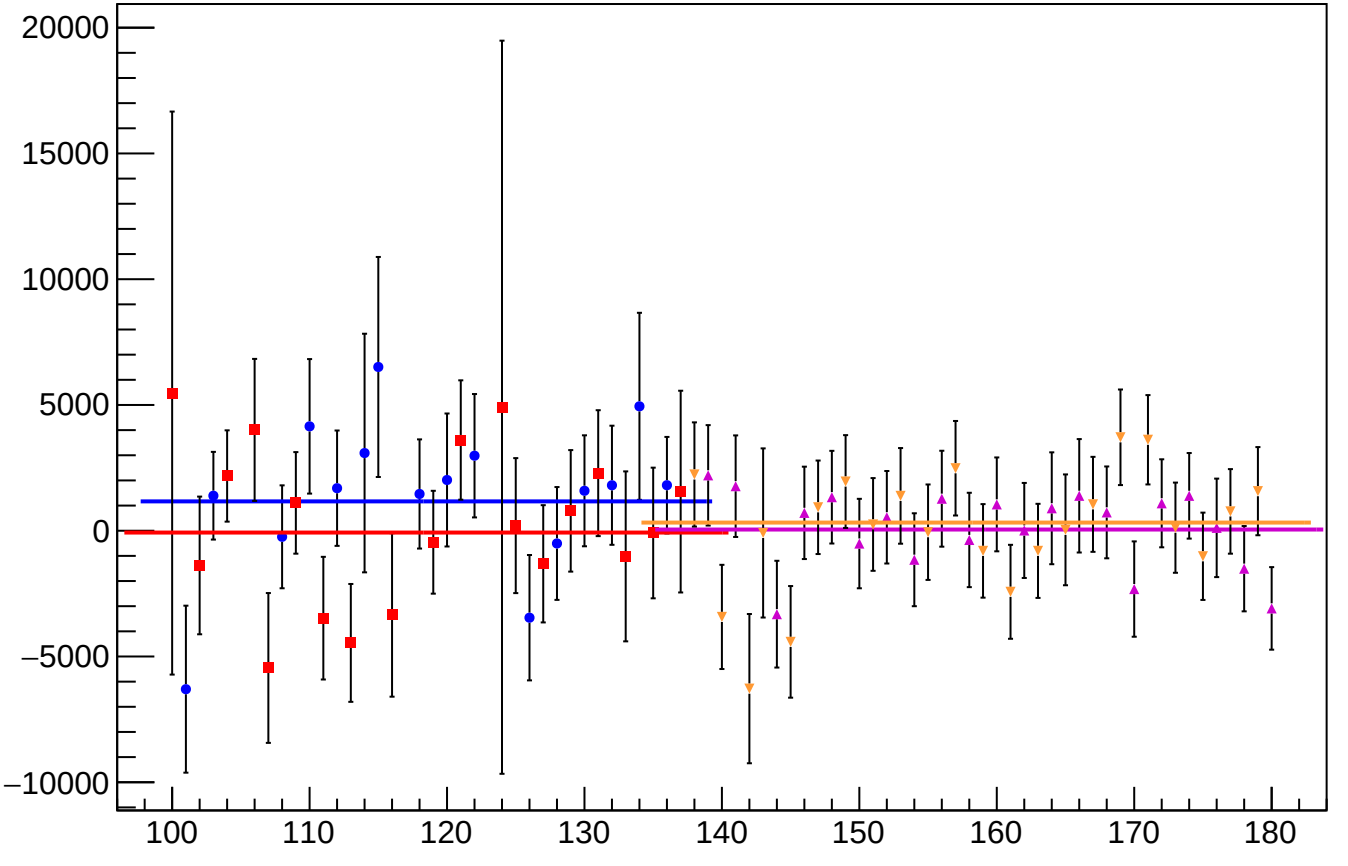
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 910.651+/-0.137 χ^2/NDF:4416094.4/36

Out: 924.939+/-0.140 χ^2/NDF:5188119.9/40

All: 917.651+/-0.098 χ^2/NDF: 9609554.0/77

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 47.542+/-409.255 χ^2/NDF:14.0/20

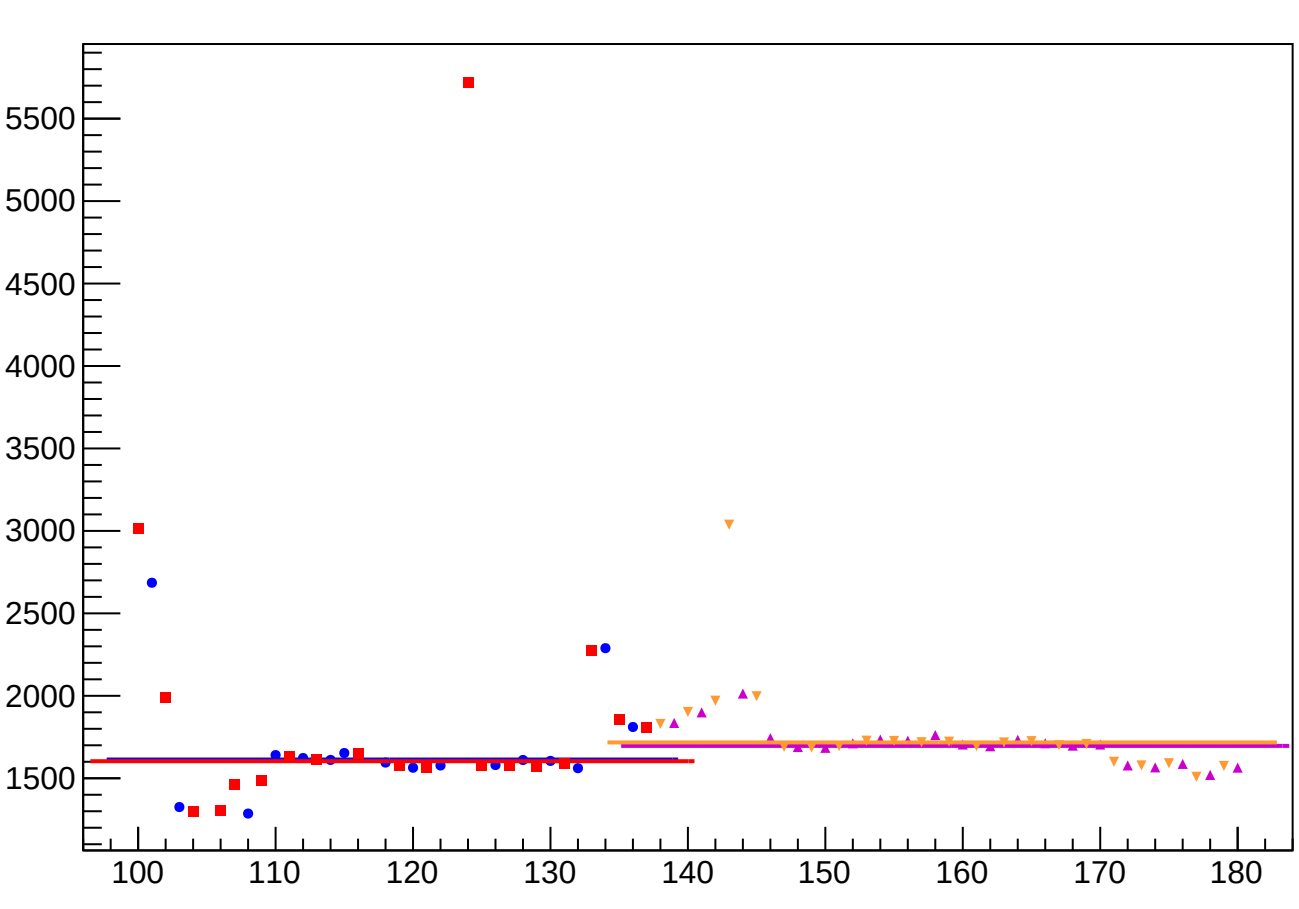
Left: 184.560+/-290.842 χ^2/NDF: 41.4/42

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 395.604+/-339.710 χ^2/NDF:30.8/36

Out: 197.580+/-341.032 χ^2/NDF:45.7/40

All: 296.976+/-240.677 χ^2/NDF: 76.6/77



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1696.317+/-0.289 χ^2/NDF:142480.5/20

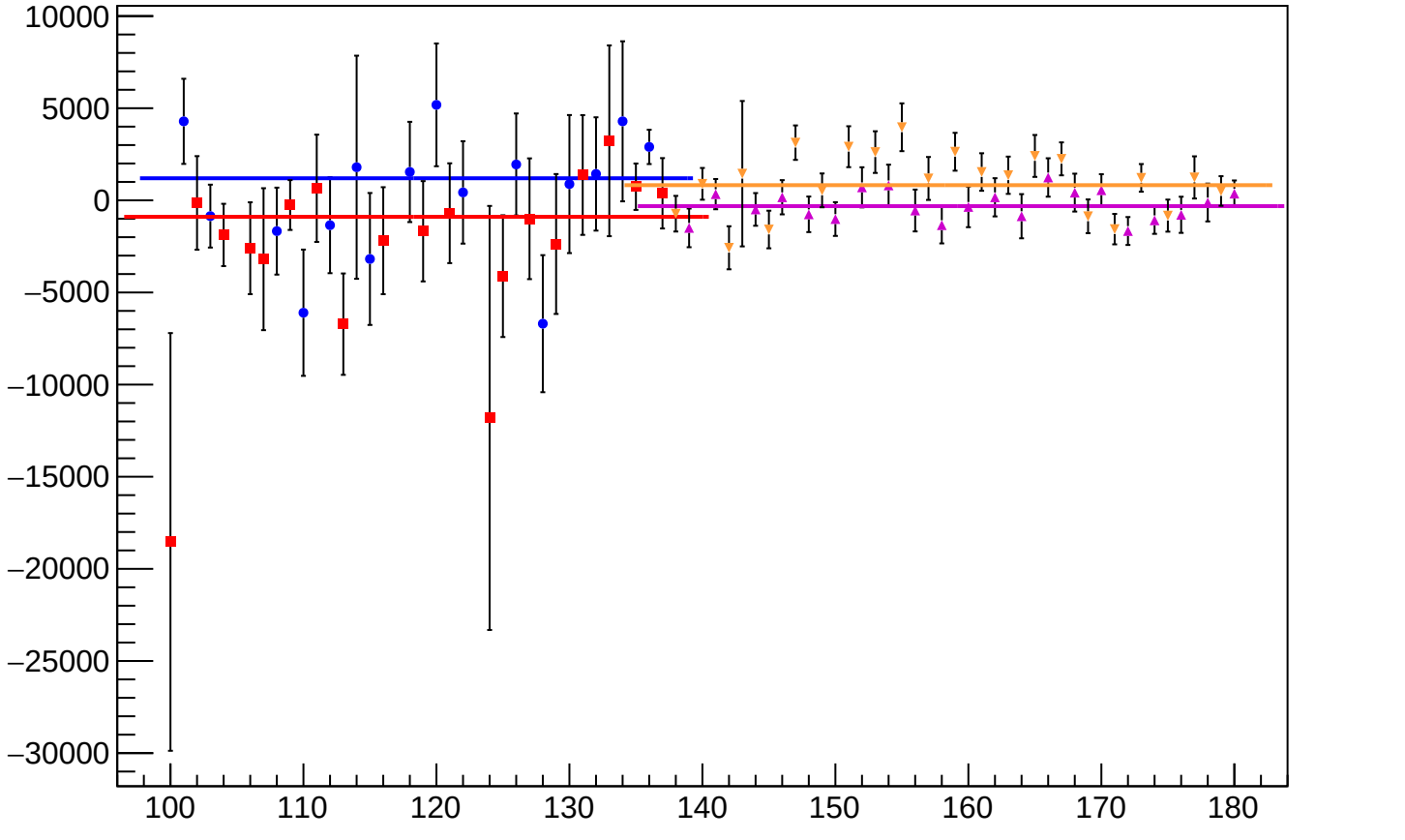
Left: 1706.736+/-0.206 χ^2/NDF: 599080.3/42

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1670.616+/-0.240 χ^2/NDF:572532.0/36

Out: 1680.978+/-0.241 χ^2/NDF:928279.8/40

All: 1675.777+/-0.170 χ^2/NDF: 1501738.5/77



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -315.080+/-205.387 χ^2/NDF:15.6/20

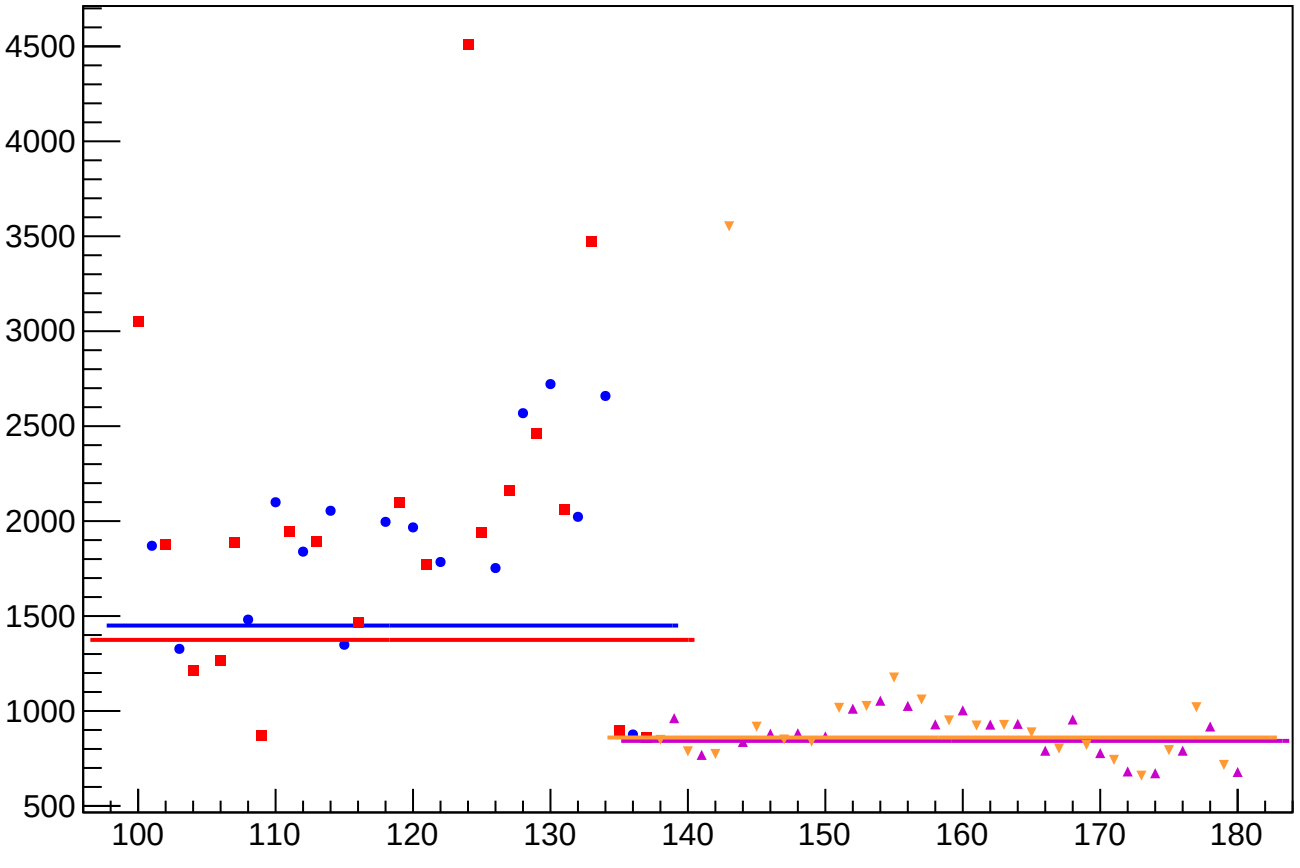
Left: 238.176+/-147.257 χ^2/NDF: 89.7/42

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -145.534+/-193.541 χ^2/NDF:43.4/36

Out: 607.051+/-197.499 χ^2/NDF:81.7/40

All: 223.143+/-138.232 χ^2/NDF: 132.4/77



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 842.614+/-0.145 χ^2/NDF:664331.6/20

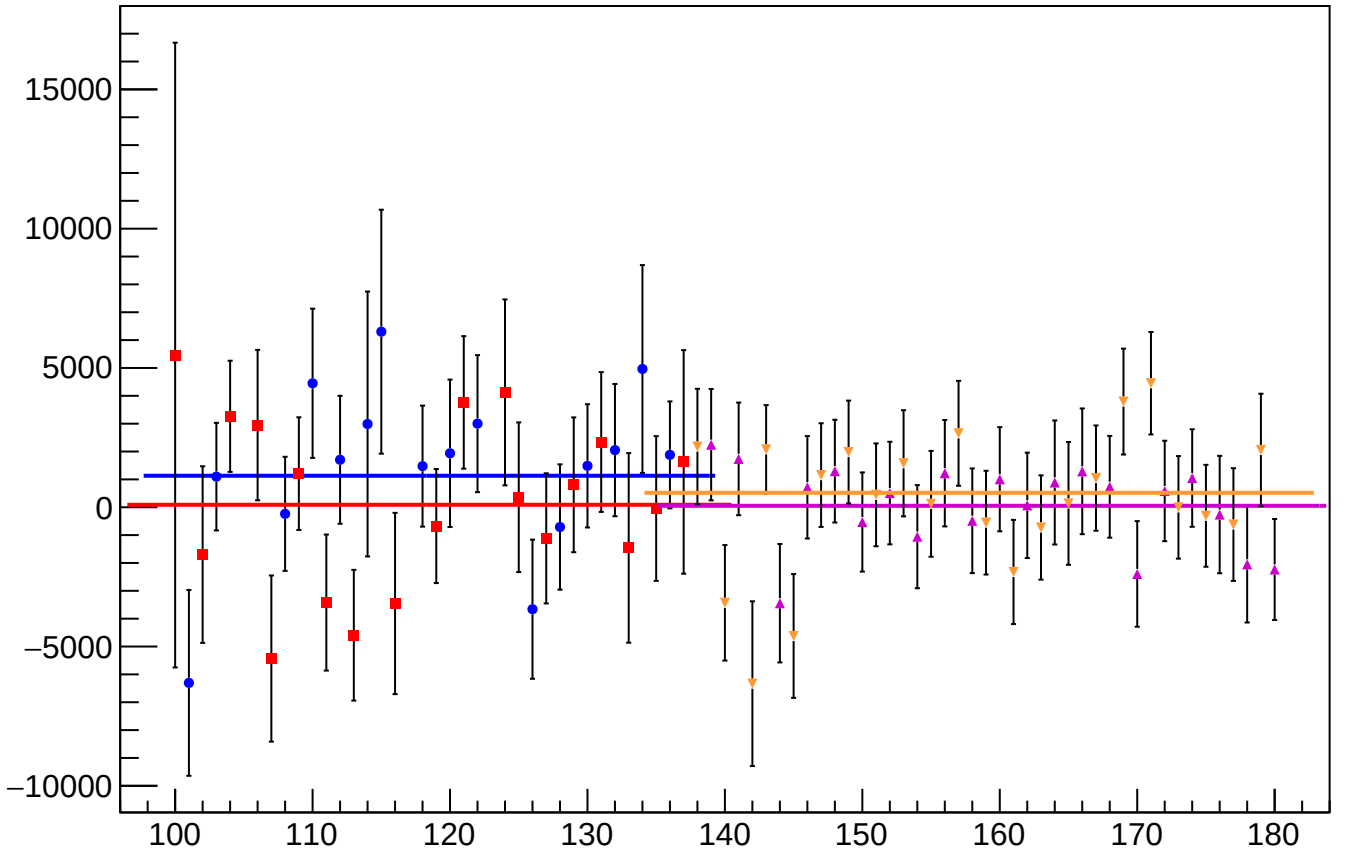
Left: 851.165+/-0.104 χ^2/NDF: 2240050.8/42

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 910.651+/-0.137 χ^2/NDF:4416094.4/36

Out: 924.939+/-0.140 χ^2/NDF:5188119.9/40

All: 917.651+/-0.098 χ^2/NDF: 9609554.0/77



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.348+/-412.023 χ^2/NDF:30.3/21

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 52.030+/-418.826 χ^2/NDF:11.7/20

Left: 289.007+/-293.720 χ^2/NDF: 42.6/42

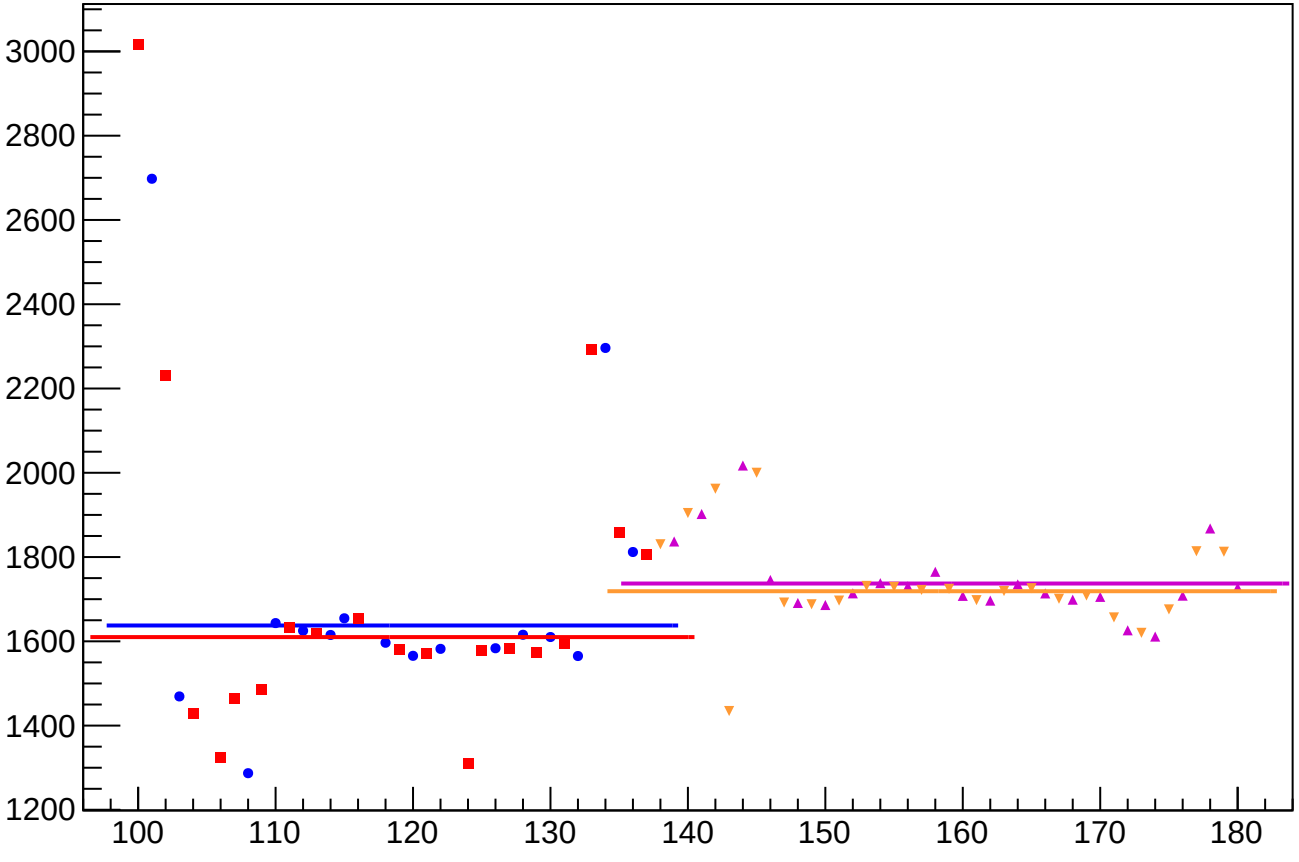
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 392.111+/-346.572 χ^2/NDF:28.8/36

Out: 381.786+/-340.205 χ^2/NDF:51.3/40

All: 386.853+/-242.781 χ^2/NDF: 80.1/77

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1718.907+/-0.291 χ^2/NDF:151288.2/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1737.178+/-0.296 χ^2/NDF:85985.3/20

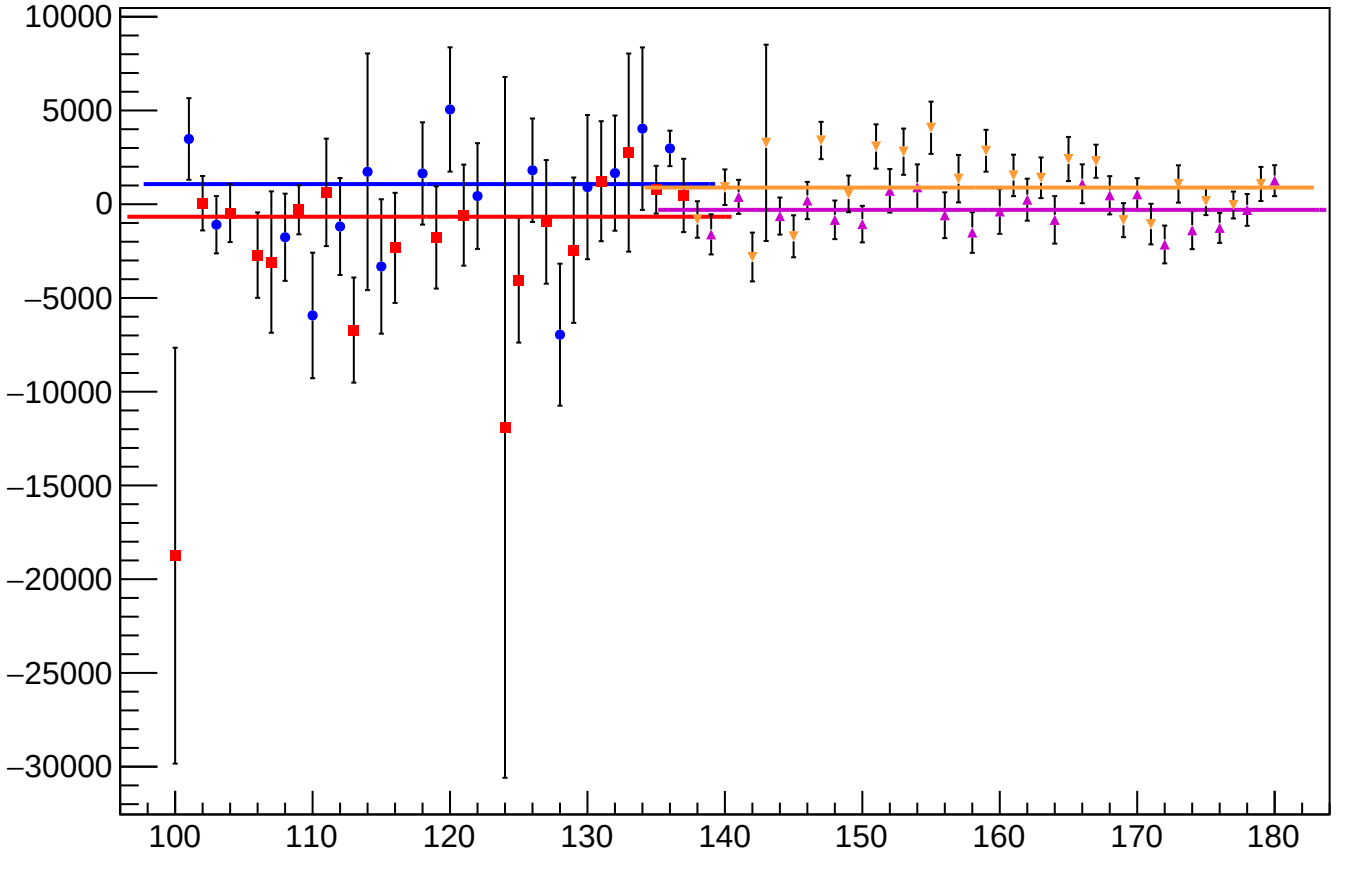
Left: 1727.893+/-0.208 χ^2/NDF: 239207.8/42

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1705.776+/-0.245 χ^2/NDF:483064.1/36

Out: 1684.263+/-0.241 χ^2/NDF:476532.5/40

All: 1694.820+/-0.172 χ^2/NDF: 963521.2/77



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 888.375+/-220.018 χ^2/NDF:52.0/21

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -299.611+/-219.319 χ^2/NDF:19.6/20

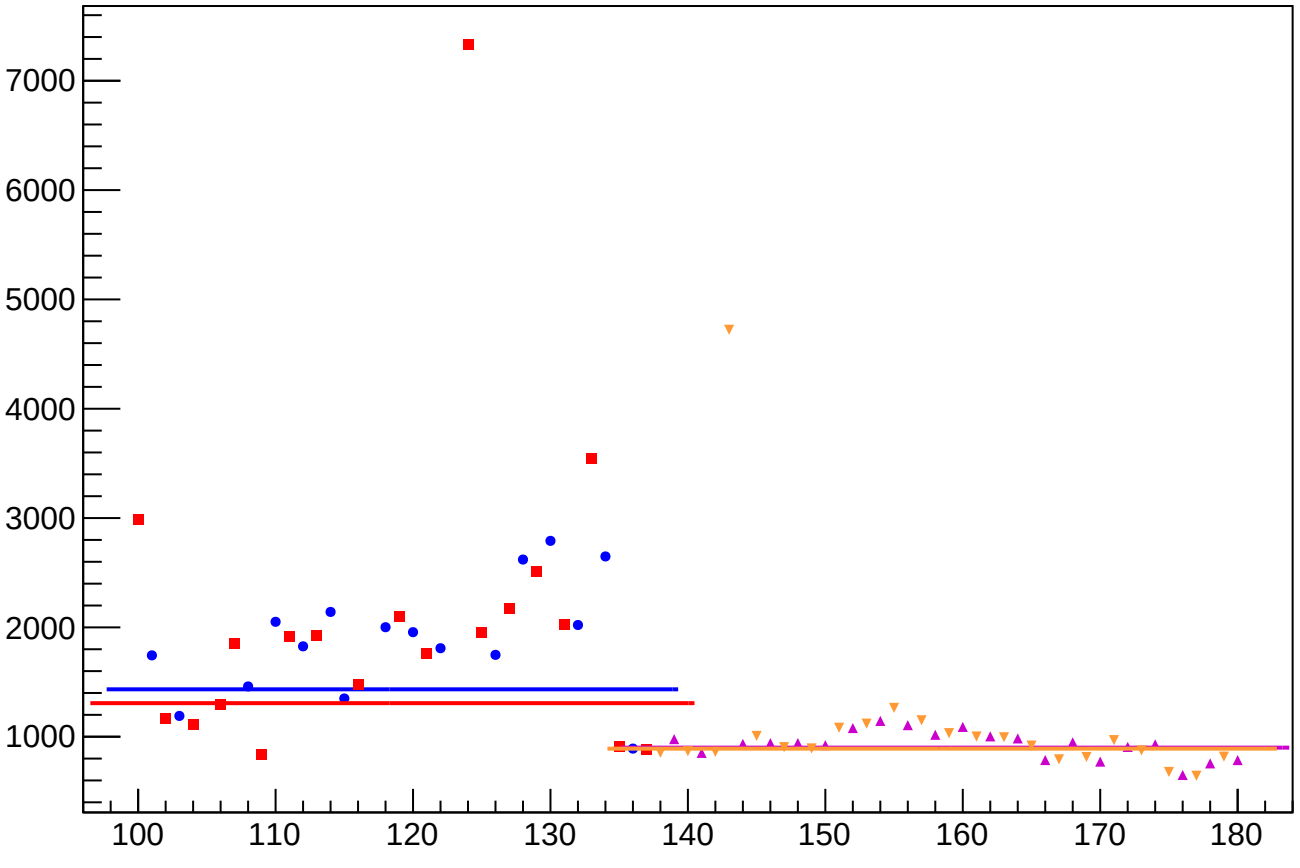
Left: 292.491+/-155.328 χ^2/NDF: 86.2/42

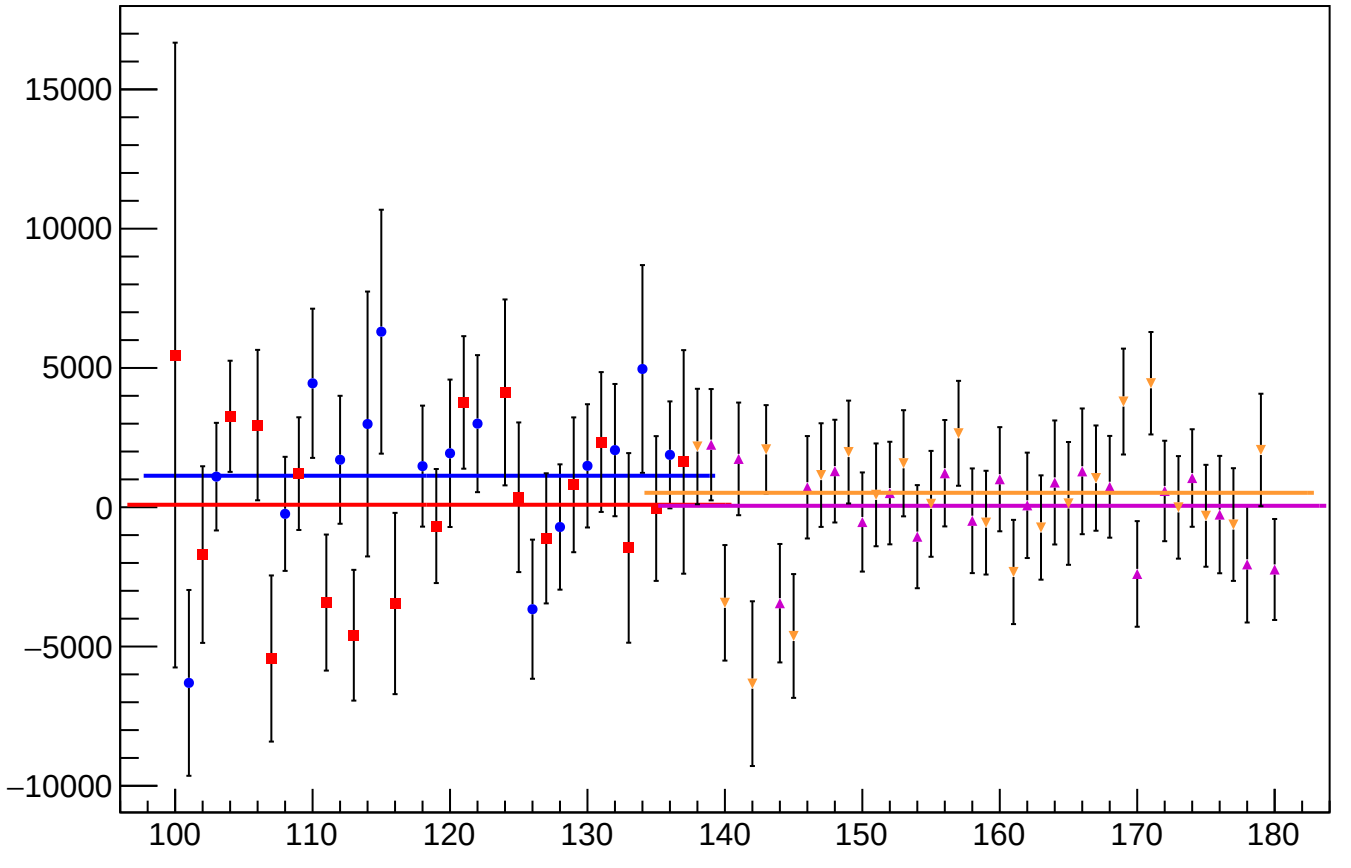
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -123.395+/-204.764 χ^2/NDF:46.6/36

Out: 654.747+/-202.831 χ^2/NDF:73.0/40

All: 269.366+/-144.102 χ^2/NDF: 126.9/77


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
180
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 890.828+/-0.156 χ²/NDF:1983341.0/21
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 900.089+/-0.155 χ²/NDF:675474.5/20
Left: 895.473+/-0.110 χ²/NDF: 2660593.1/42
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 968.536+/-0.145 χ²/NDF:3956969.7/36
Out: 953.288+/-0.143 χ²/NDF:5240875.2/40
All: 960.840+/-0.102 χ²/NDF: 9203442.4/77



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.343+/-412.023 χ^2/NDF:30.3/21

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 52.031+/-418.826 χ^2/NDF:11.7/20

Left: 289.004+/-293.720 χ^2/NDF: 42.6/42

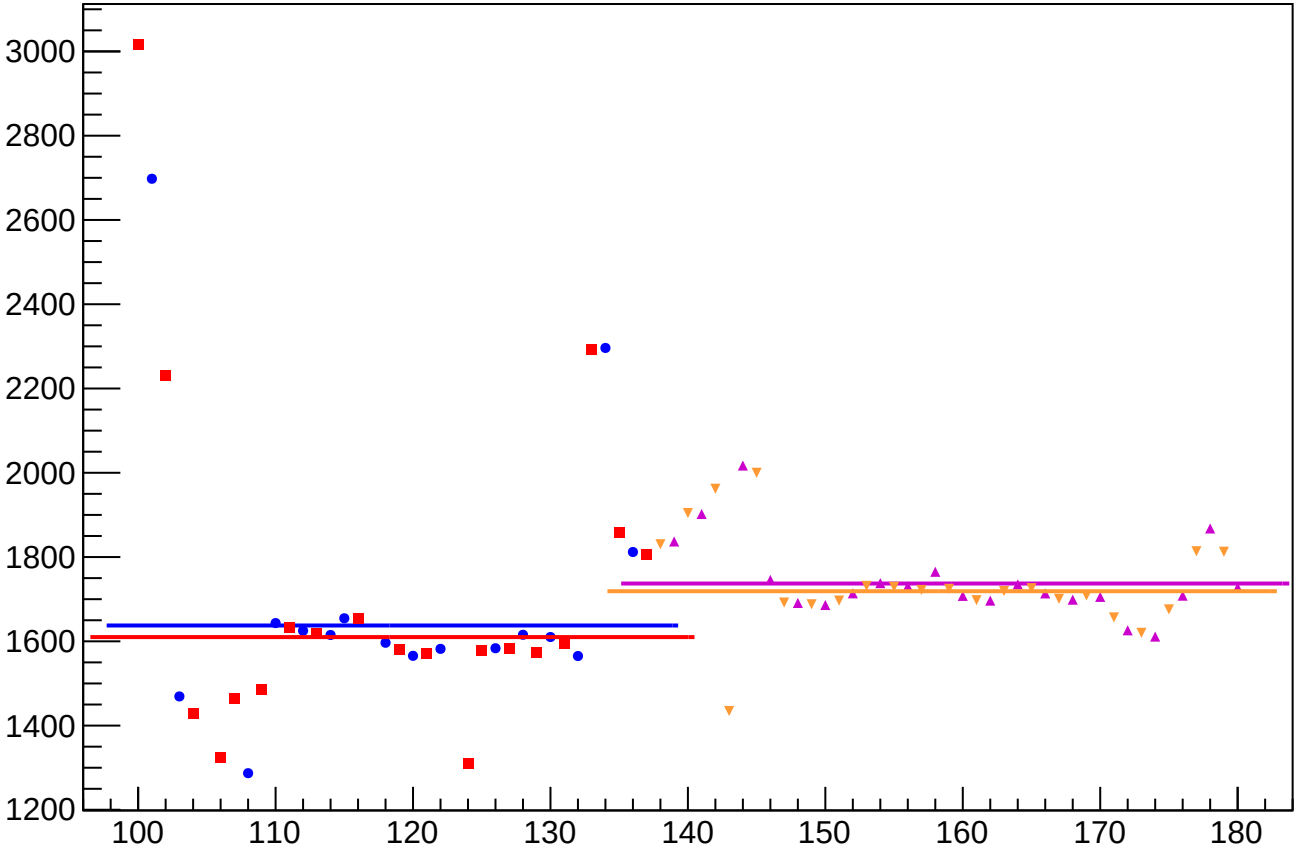
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 392.112+/-346.572 χ^2/NDF:28.8/36

Out: 381.784+/-340.205 χ^2/NDF:51.3/40

All: 386.852+/-242.781 χ^2/NDF: 80.1/77

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1718.906+/-0.291 χ^2/NDF:151287.1/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1737.178+/-0.296 χ^2/NDF:85985.4/20

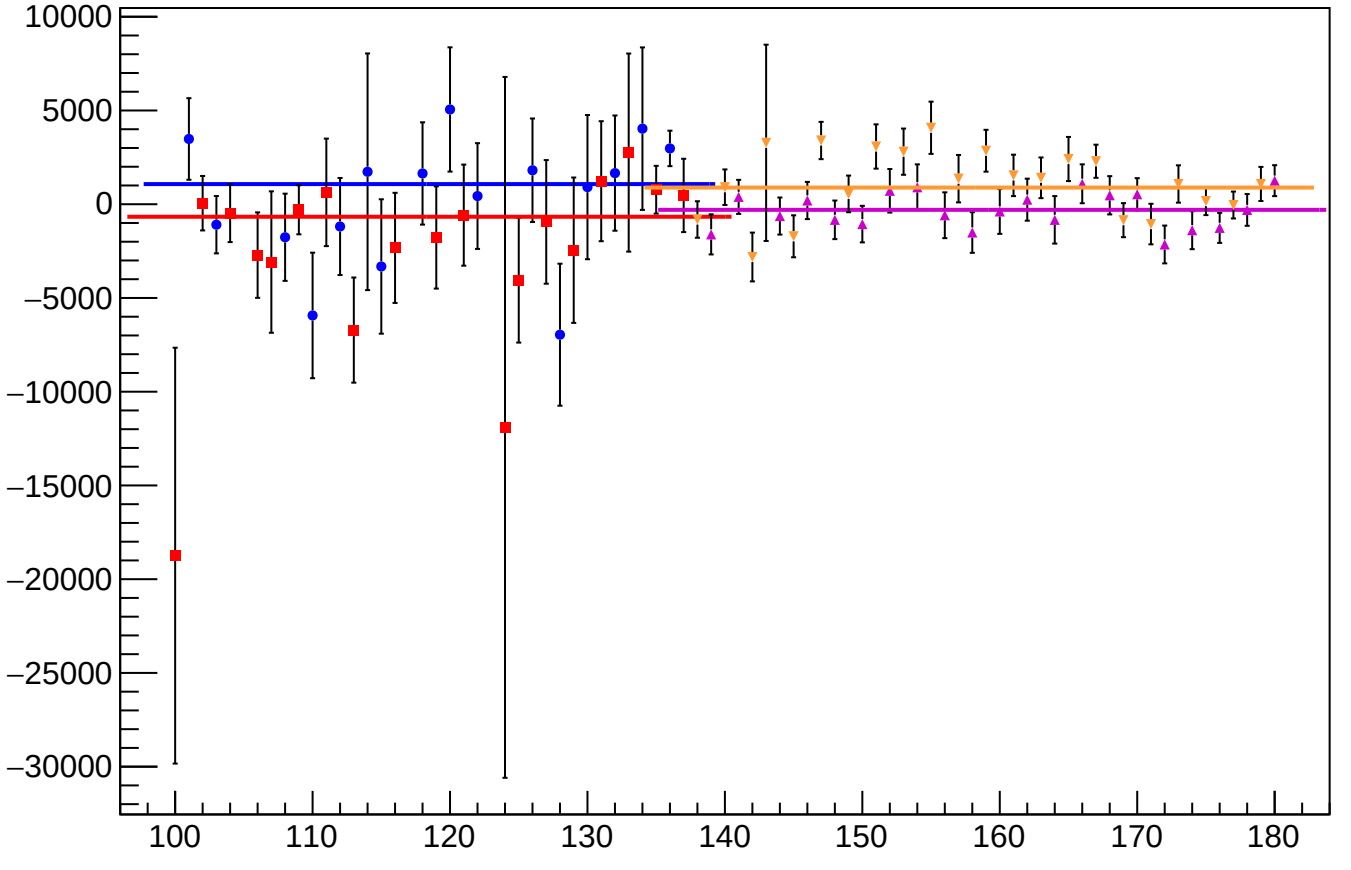
Left: 1727.892+/-0.208 χ^2/NDF: 239206.9/42

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1705.775+/-0.245 χ^2/NDF:483063.8/36

Out: 1684.263+/-0.241 χ^2/NDF:476531.6/40

All: 1694.820+/-0.172 χ^2/NDF: 963519.9/77



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 888.379+/-220.018 χ^2/NDF:52.0/21

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -299.608+/-219.318 χ^2/NDF:19.6/20

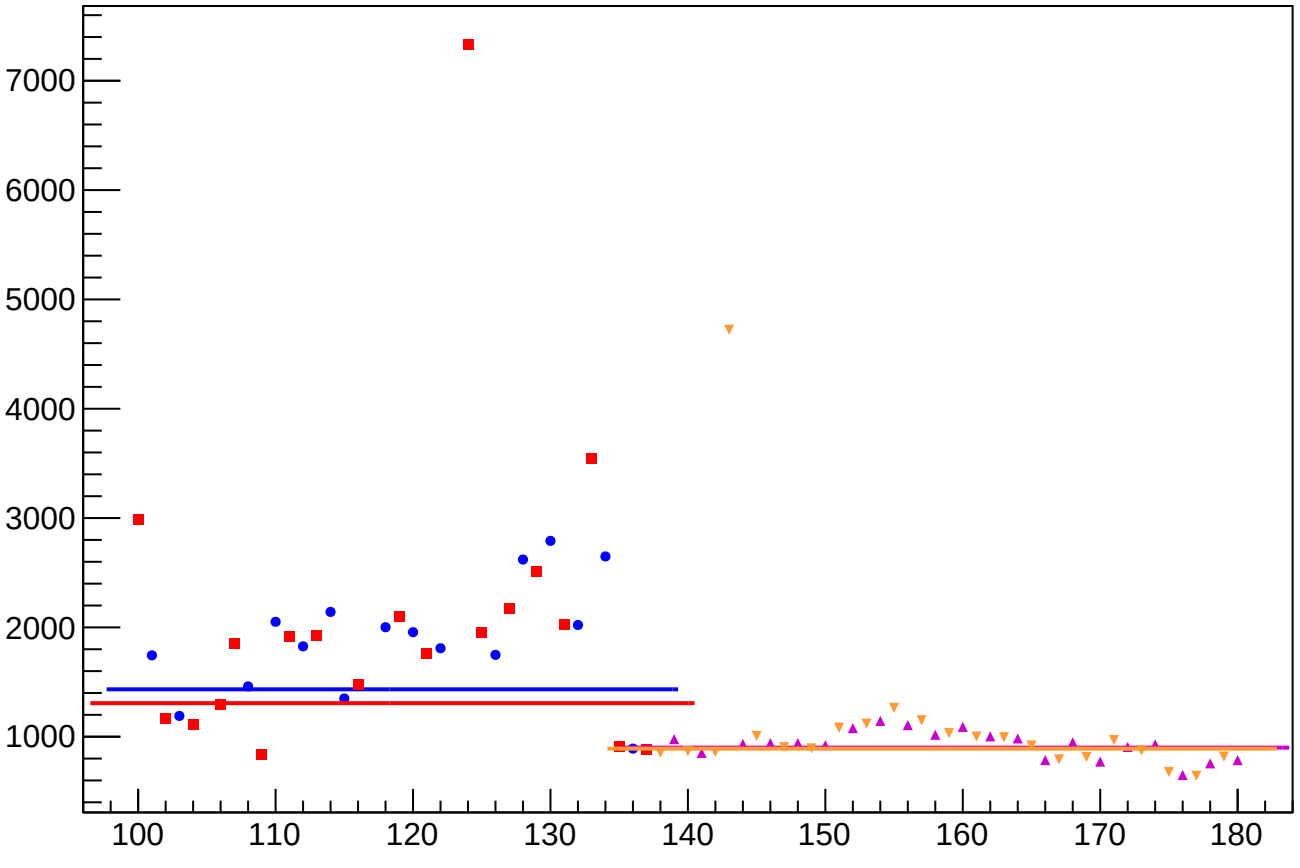
Left: 292.493+/-155.328 χ^2/NDF: 86.2/42

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -123.397+/-204.764 χ^2/NDF:46.6/36

Out: 654.751+/-202.831 χ^2/NDF:73.0/40

All: 269.367+/-144.102 χ^2/NDF: 126.9/77


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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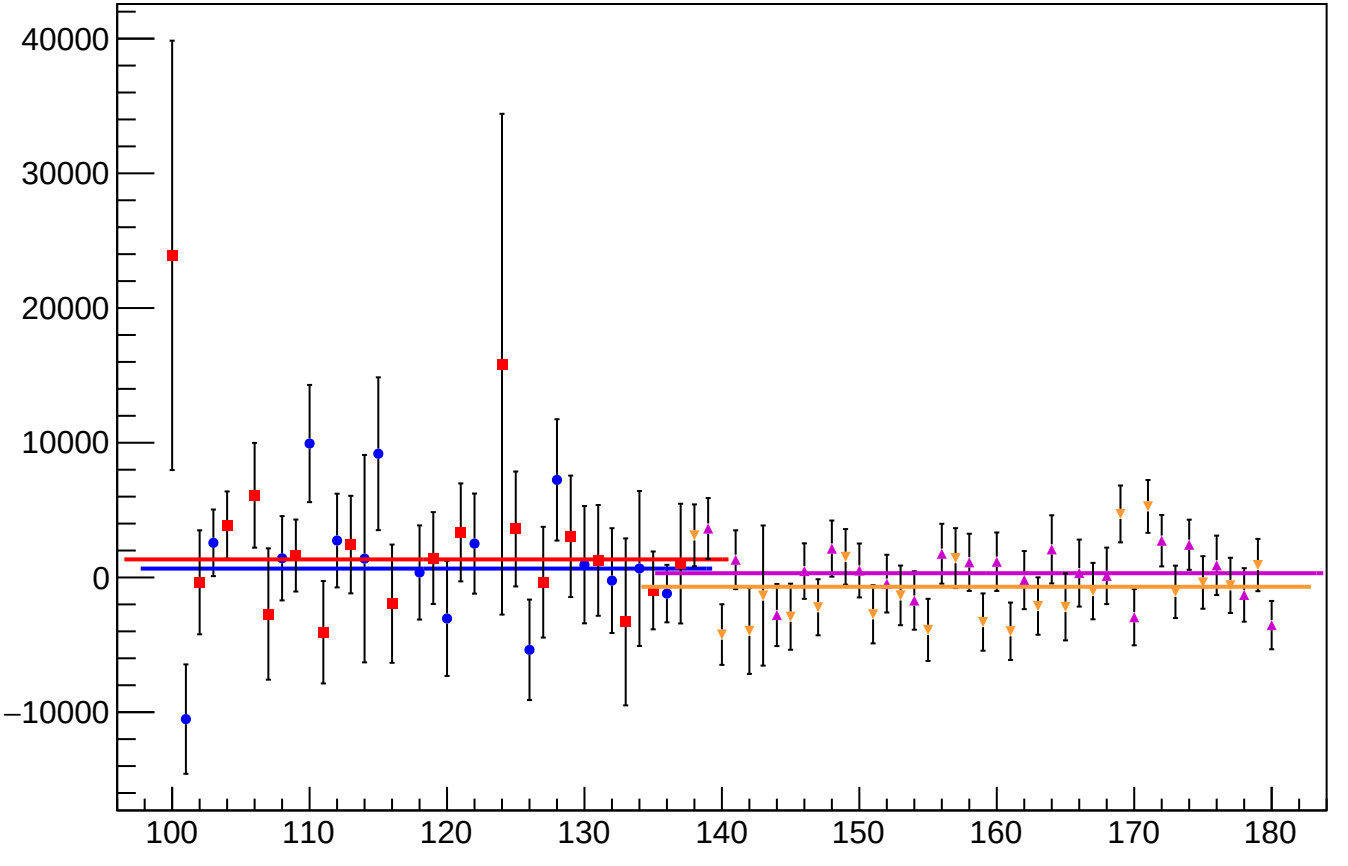
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 890.828+/-0.156 χ²/NDF:1983331.7/21
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 900.088+/-0.155 χ²/NDF:675485.6/20
Left: 895.473+/-0.110 χ²/NDF: 2660594.3/42
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 968.536+/-0.145 χ²/NDF:3956964.9/36
Out: 953.290+/-0.143 χ²/NDF:5240848.6/40
All: 960.840+/-0.102 χ²/NDF: 9203409.7/77

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -690.724+/-469.823 χ^2/NDF:34.0/21

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 315.396+/-461.284 χ^2/NDF:17.9/20

Left: -178.438+/-329.155 χ^2/NDF: 54.2/42

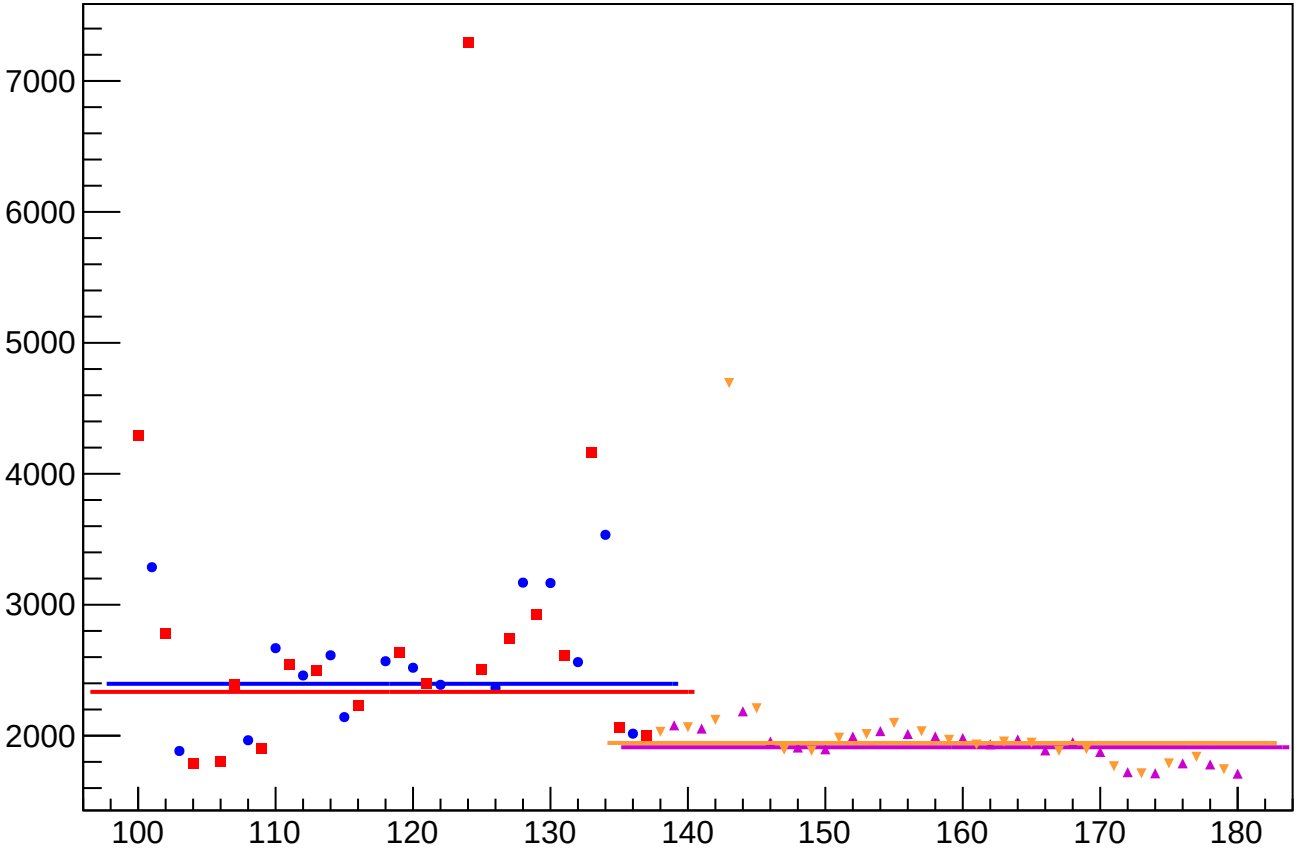
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 385.784+/-411.403 χ^2/NDF:40.0/36

Out: -248.167+/-415.543 χ^2/NDF:48.9/40

All: 71.983+/-292.359 χ^2/NDF: 90.1/77

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1944.479+/-0.332 χ^2/NDF:701343.3/21

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1911.548+/-0.326 χ^2/NDF:153363.6/20

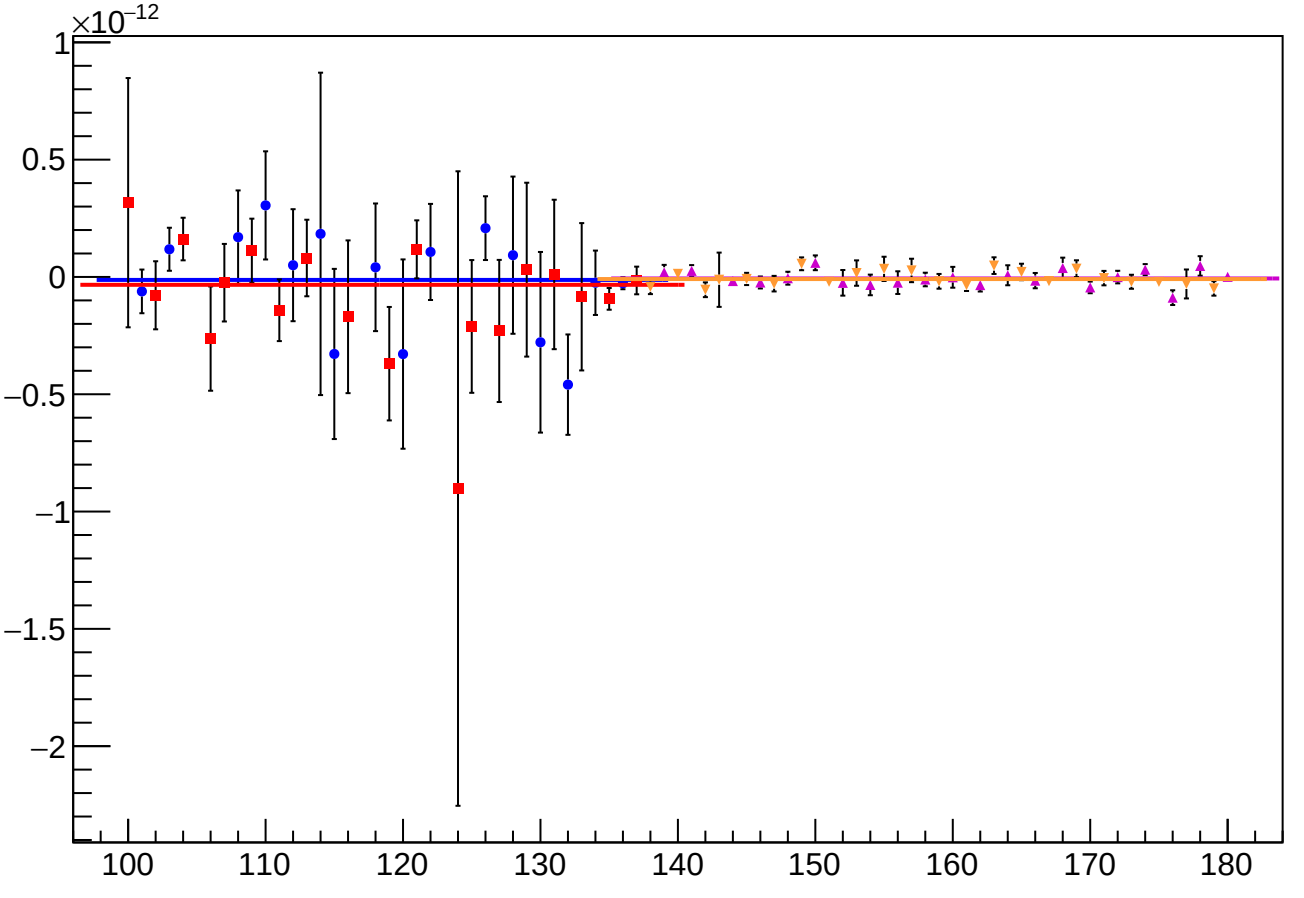
Left: 1927.711+/-0.233 χ^2/NDF: 859710.2/42

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2010.713+/-0.291 χ^2/NDF:1113067.0/36

Out: 2029.414+/-0.294 χ^2/NDF:1683131.9/40

All: 2019.970+/-0.207 χ^2/NDF: 2798244.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.4/20

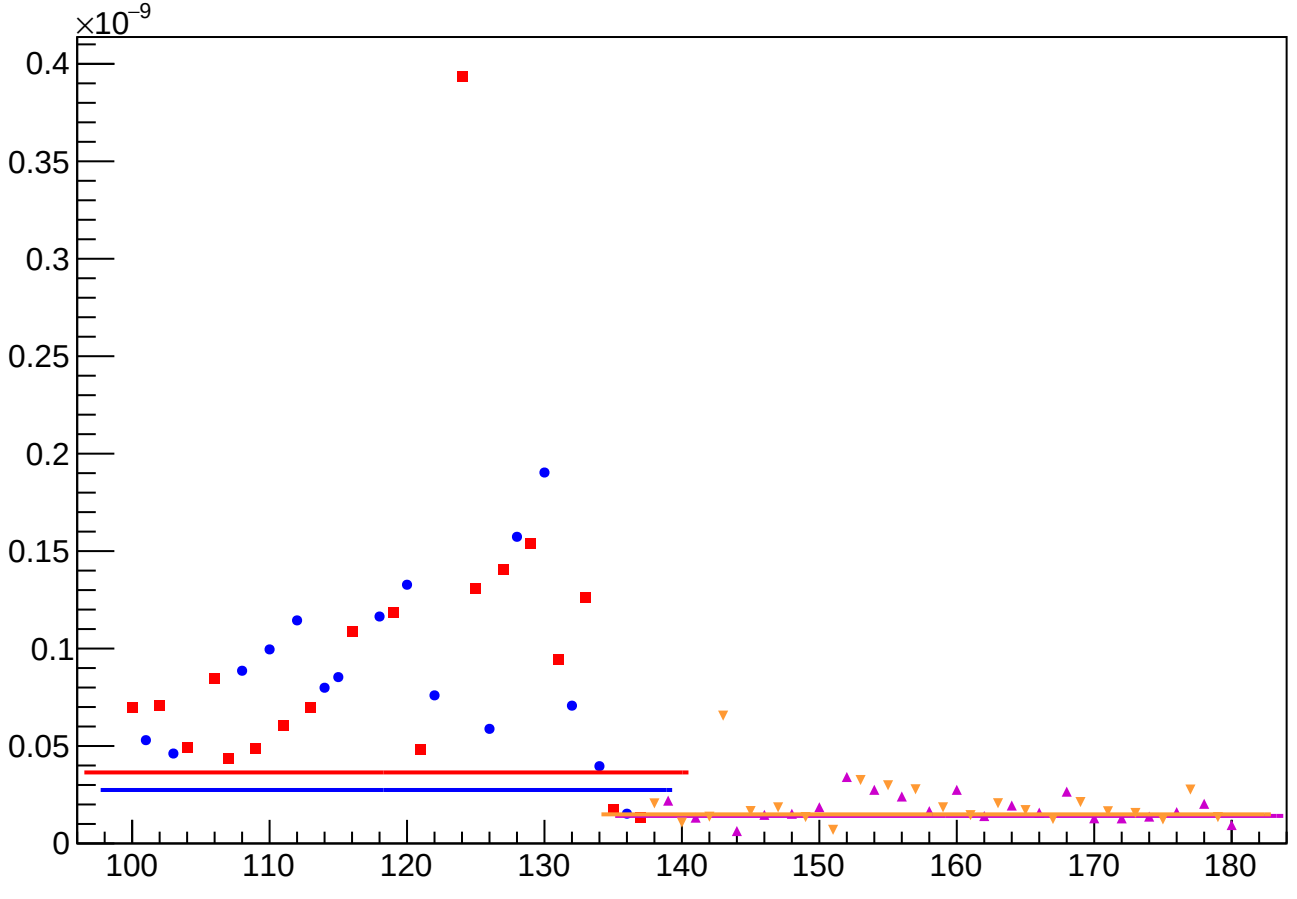
Left: -0.000+/-0.000 χ^2/NDF: 45.5/42

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:39.3/36

Out: -0.000+/-0.000 χ^2/NDF:37.0/40

All: -0.000+/-0.000 χ^2/NDF: 76.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1772716.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1907026.9/20

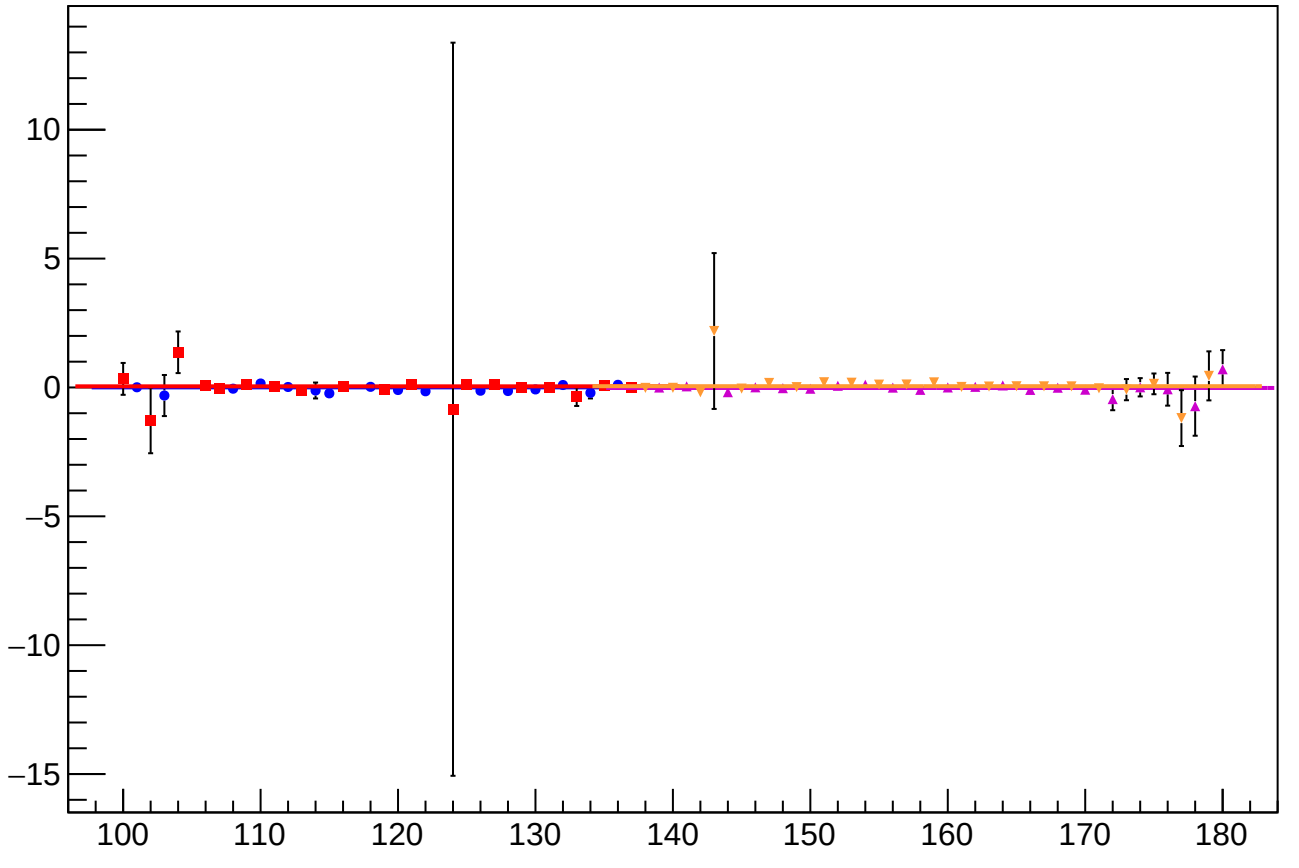
Left: 0.000+/-0.000 χ^2/NDF: 3696634.9/42

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5303666.7/36

Out: 0.000+/-0.000 χ^2/NDF:5340954.4/40

All: 0.000+/-0.000 χ^2/NDF: 10665899.9/77



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:14.1/20

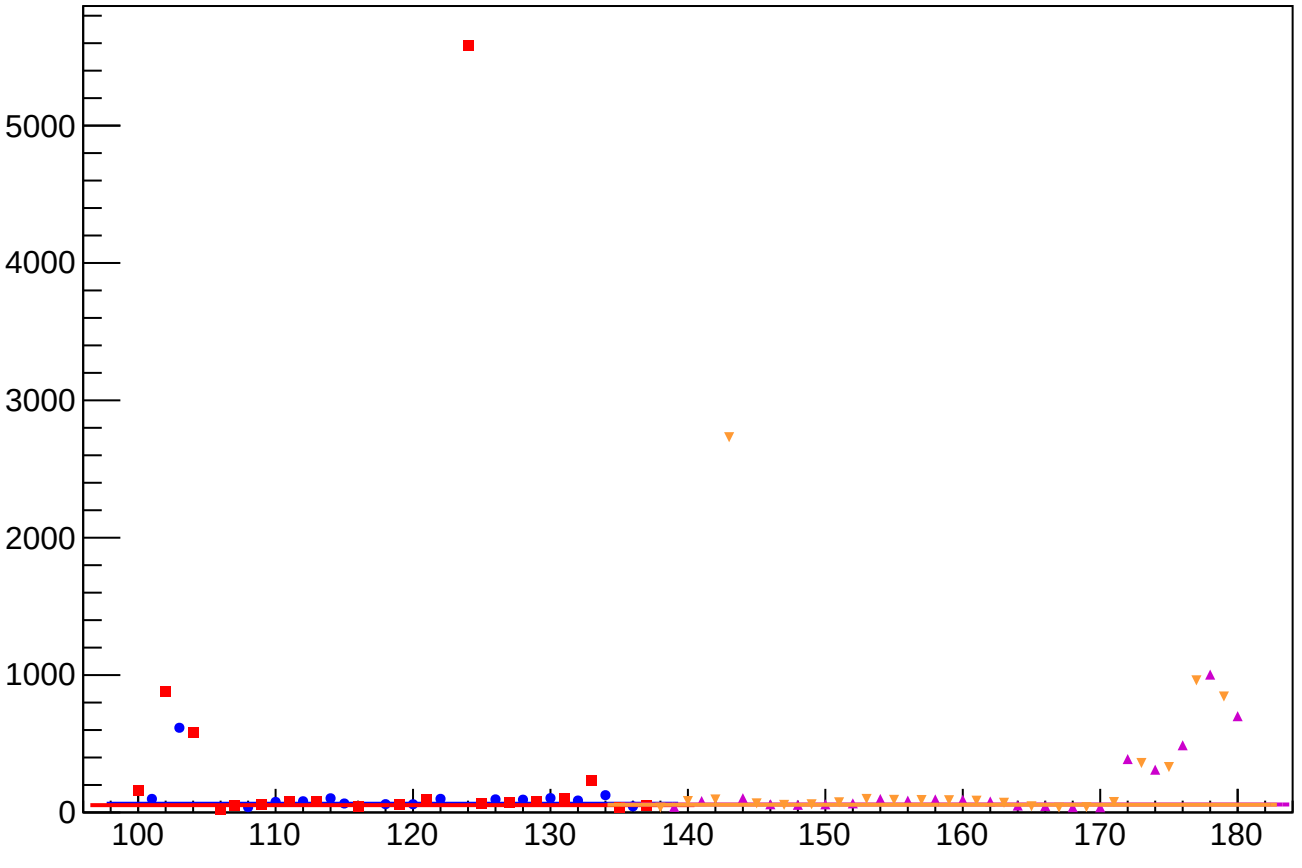
Left: 0.015+/-0.012 χ^2/NDF: 43.6/42

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:27.9/36

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 71.0/77



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

Left: 57.149+/-0.009 χ^2/NDF: 18006505.3/42

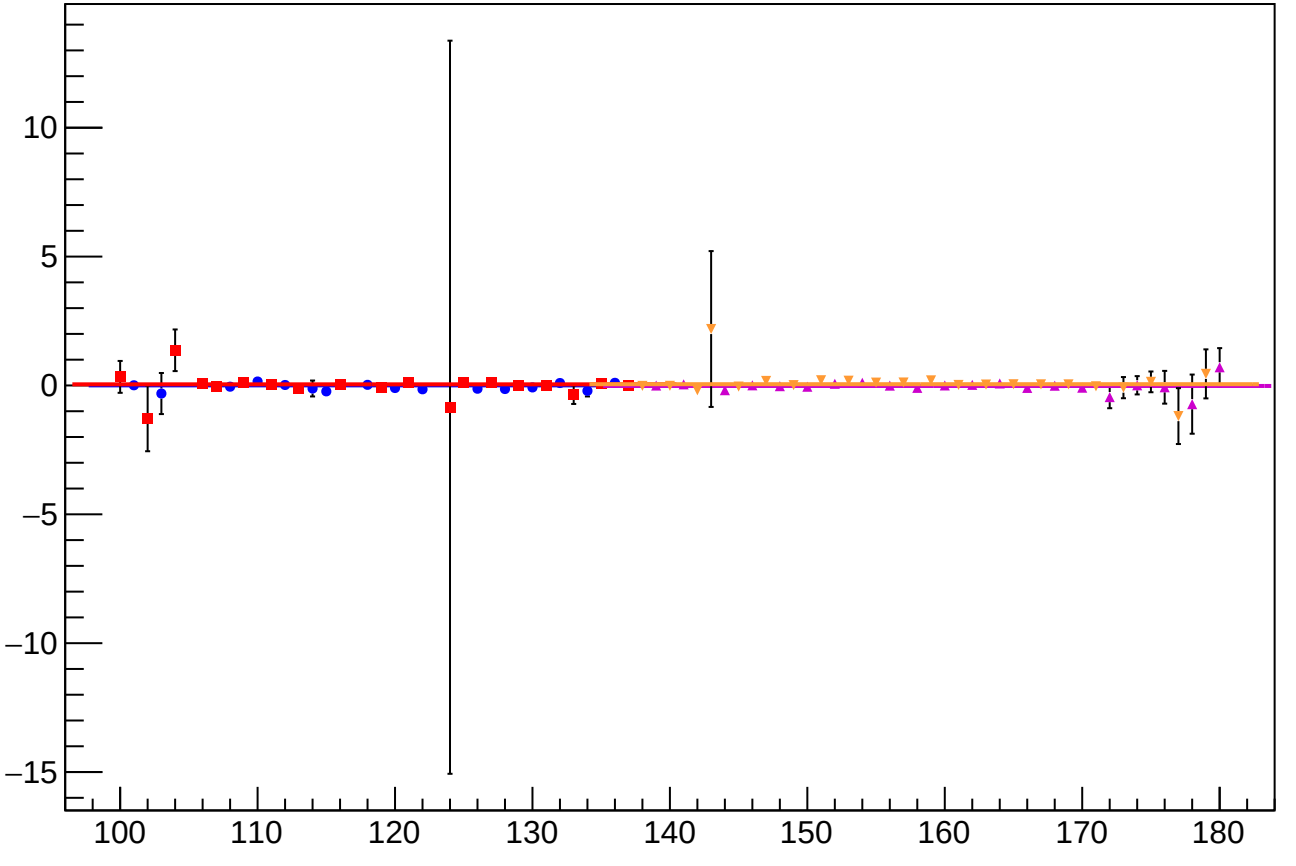
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.523+/-0.010 χ^2/NDF:11151481.7/36

Out: 55.340+/-0.010 χ^2/NDF:13317070.0/40

All: 57.365+/-0.007 χ^2/NDF: 24554379.9/77

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:14.1/20

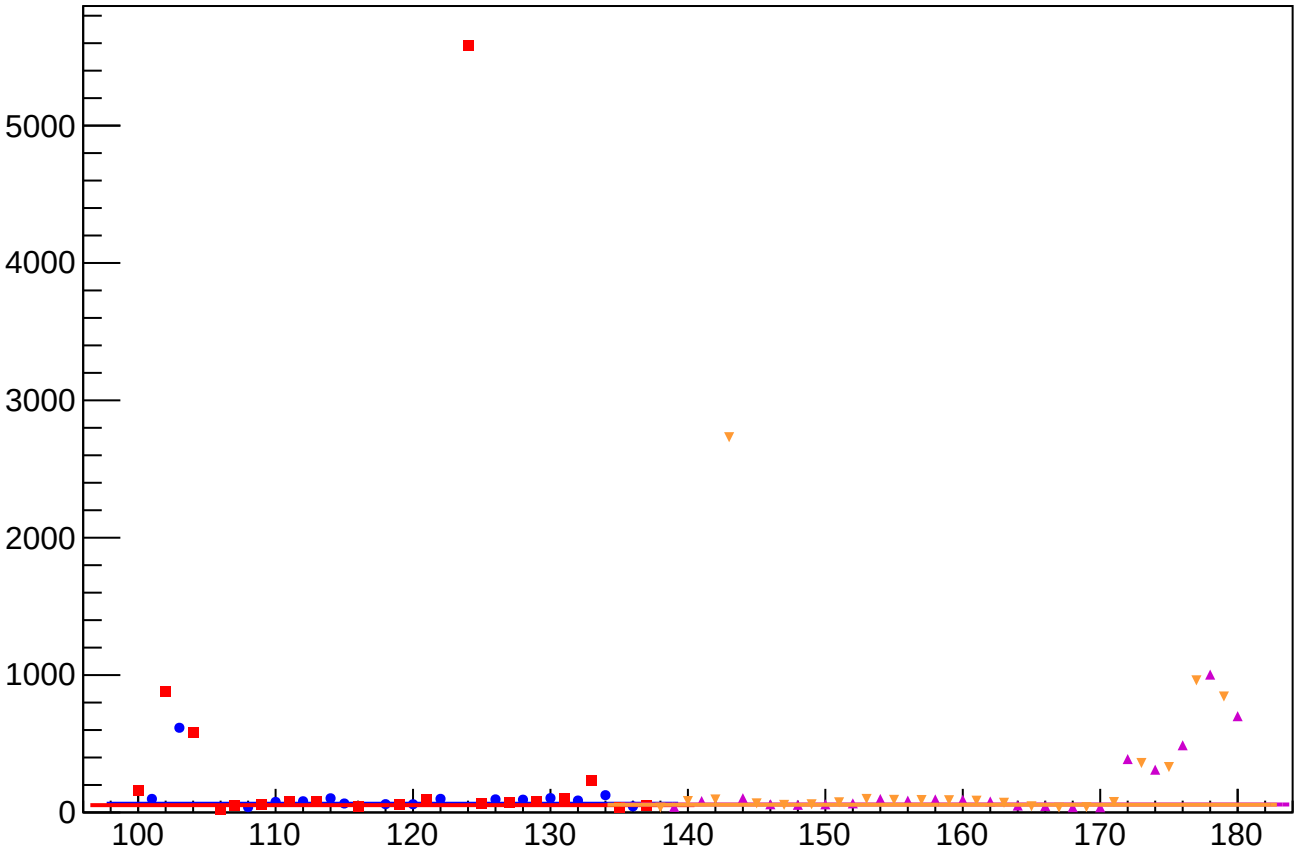
Left: 0.015+/-0.012 χ^2/NDF: 43.6/42

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:27.9/36

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 71.0/77



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.964+/-0.012 χ^2/NDF:8647942.4/20

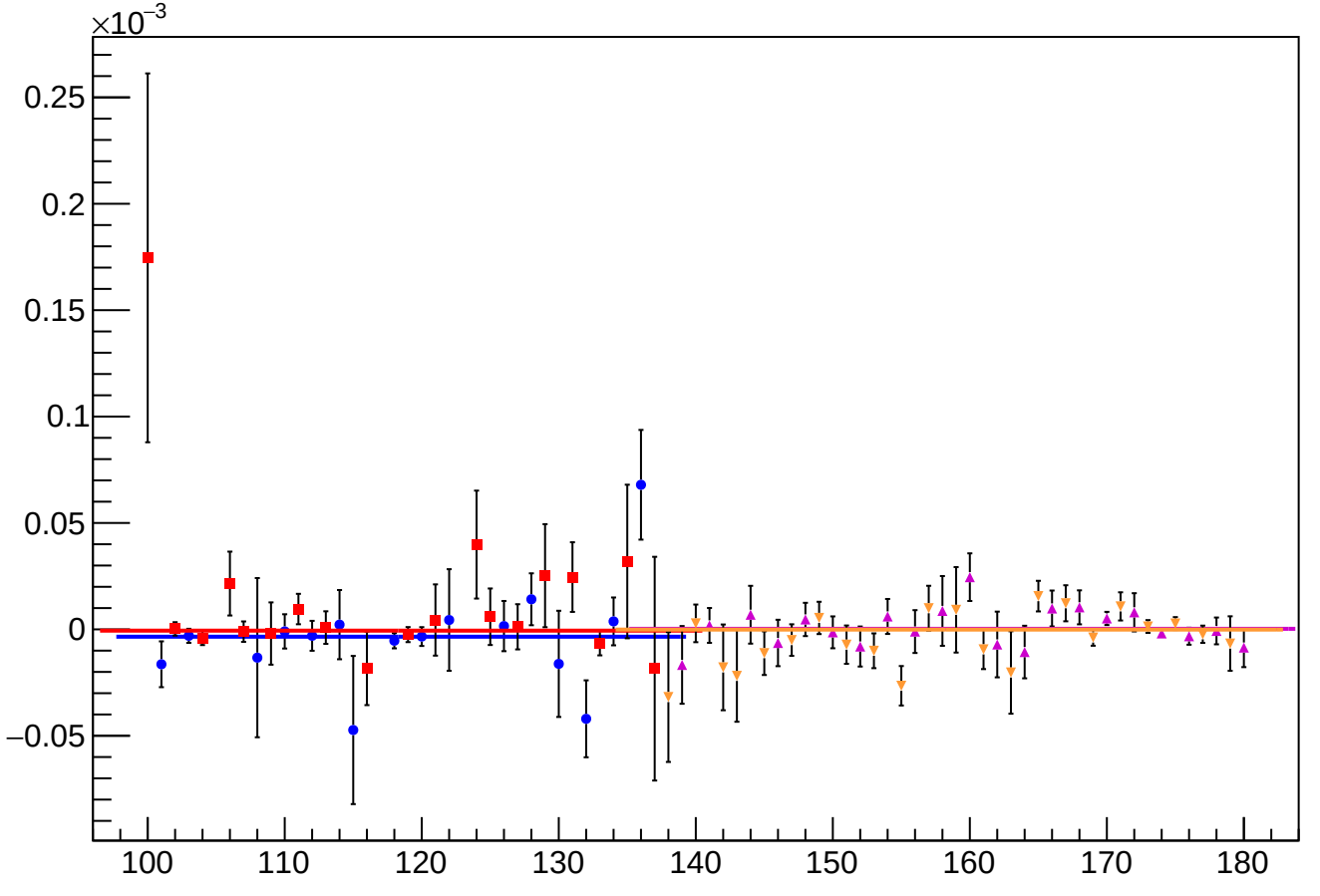
Left: 57.149+/-0.009 χ^2/NDF: 18006505.3/42

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.523+/-0.010 χ^2/NDF:11151481.7/36

Out: 55.340+/-0.010 χ^2/NDF:13317070.0/40

All: 57.365+/-0.007 χ^2/NDF: 24554379.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/20

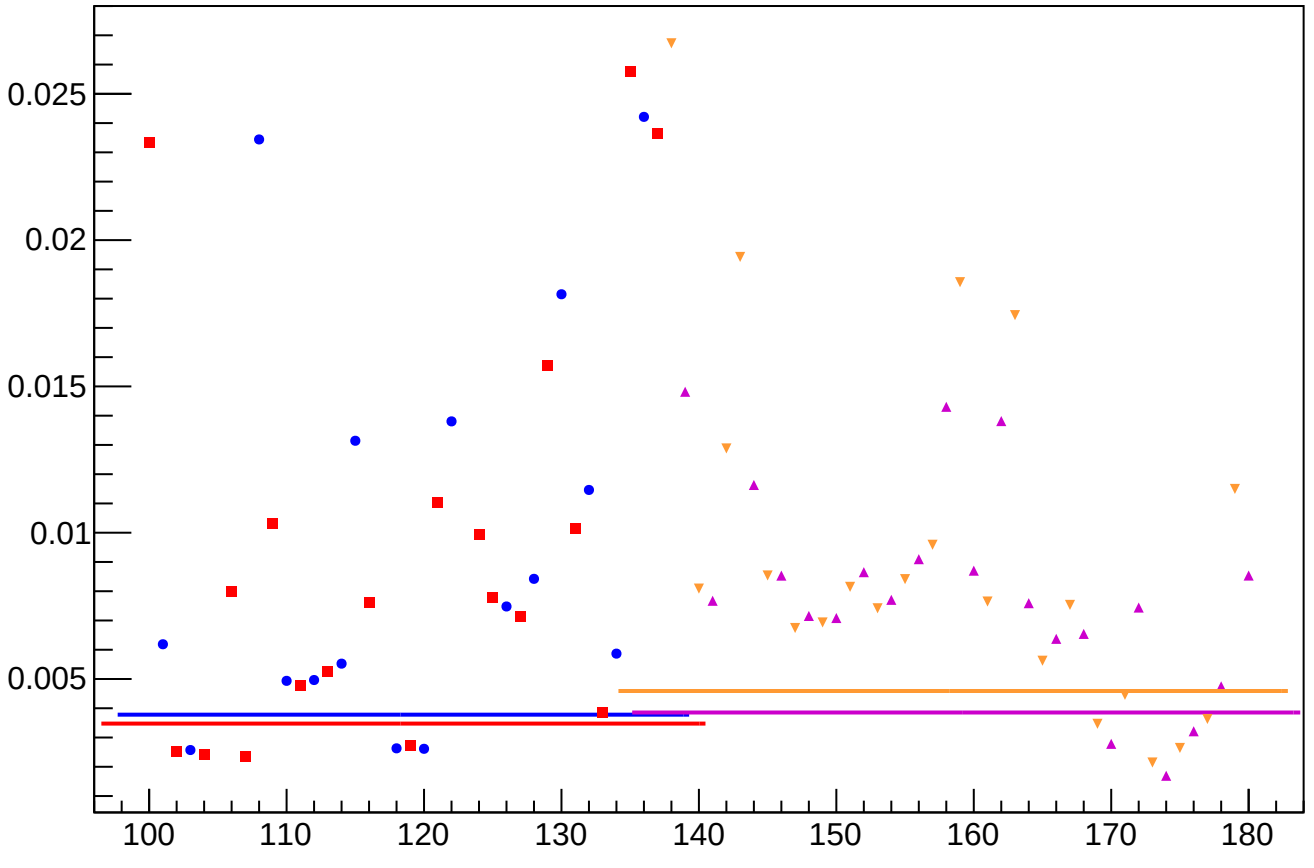
Left: 0.000+/-0.000 χ^2/NDF: 49.1/42

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:40.1/36

Out: -0.000+/-0.000 χ^2/NDF:50.0/40

All: -0.000+/-0.000 χ^2/NDF: 90.2/77



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:10016151.7/21

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10946128.1/20

Left: 0.004+/-0.000 χ^2/NDF: 21284088.9/42

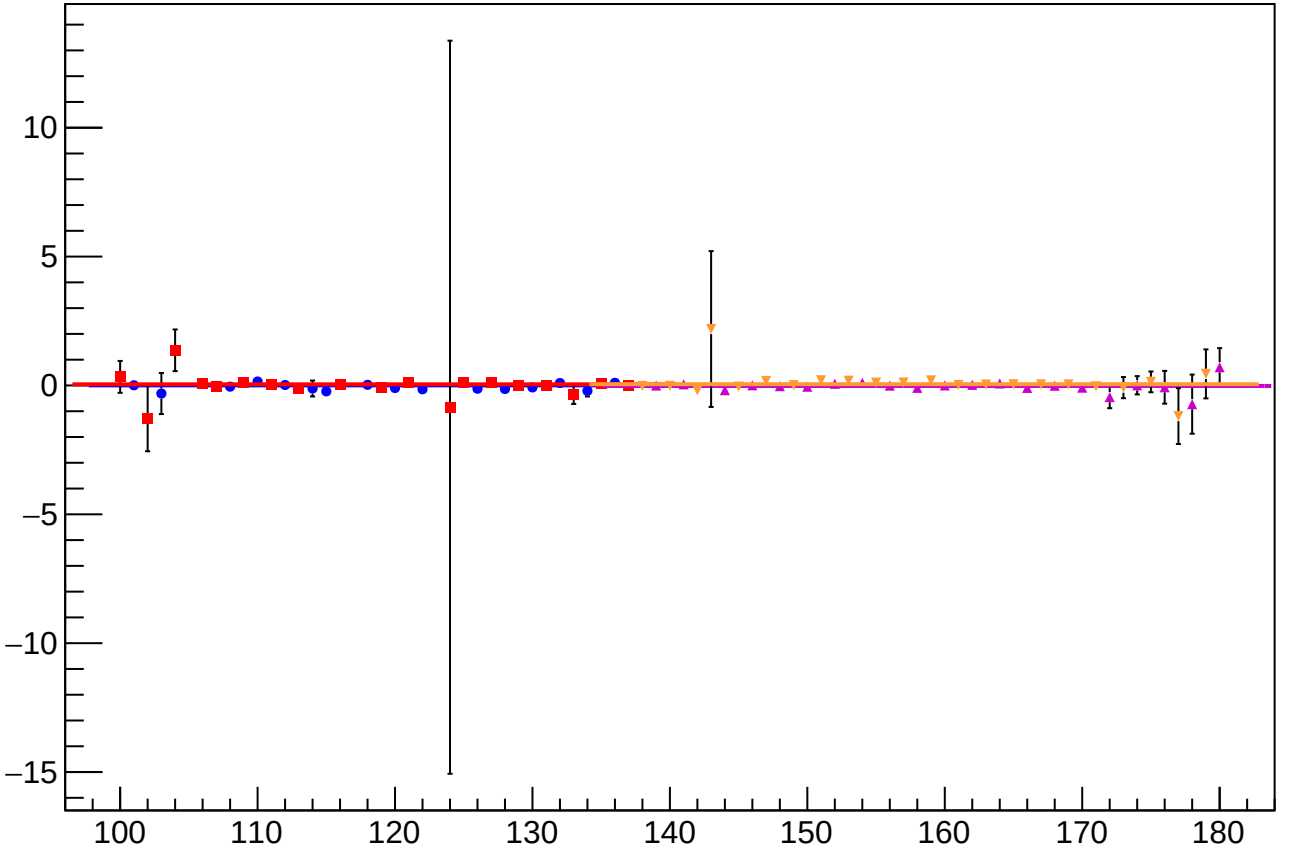
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15667926.6/36

Out: 0.004+/-0.000 χ^2/NDF:15096935.6/40

All: 0.004+/-0.000 χ^2/NDF: 30835206.6/77

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:14.1/20

Left: 0.015+/-0.012 χ^2/NDF: 43.6/42

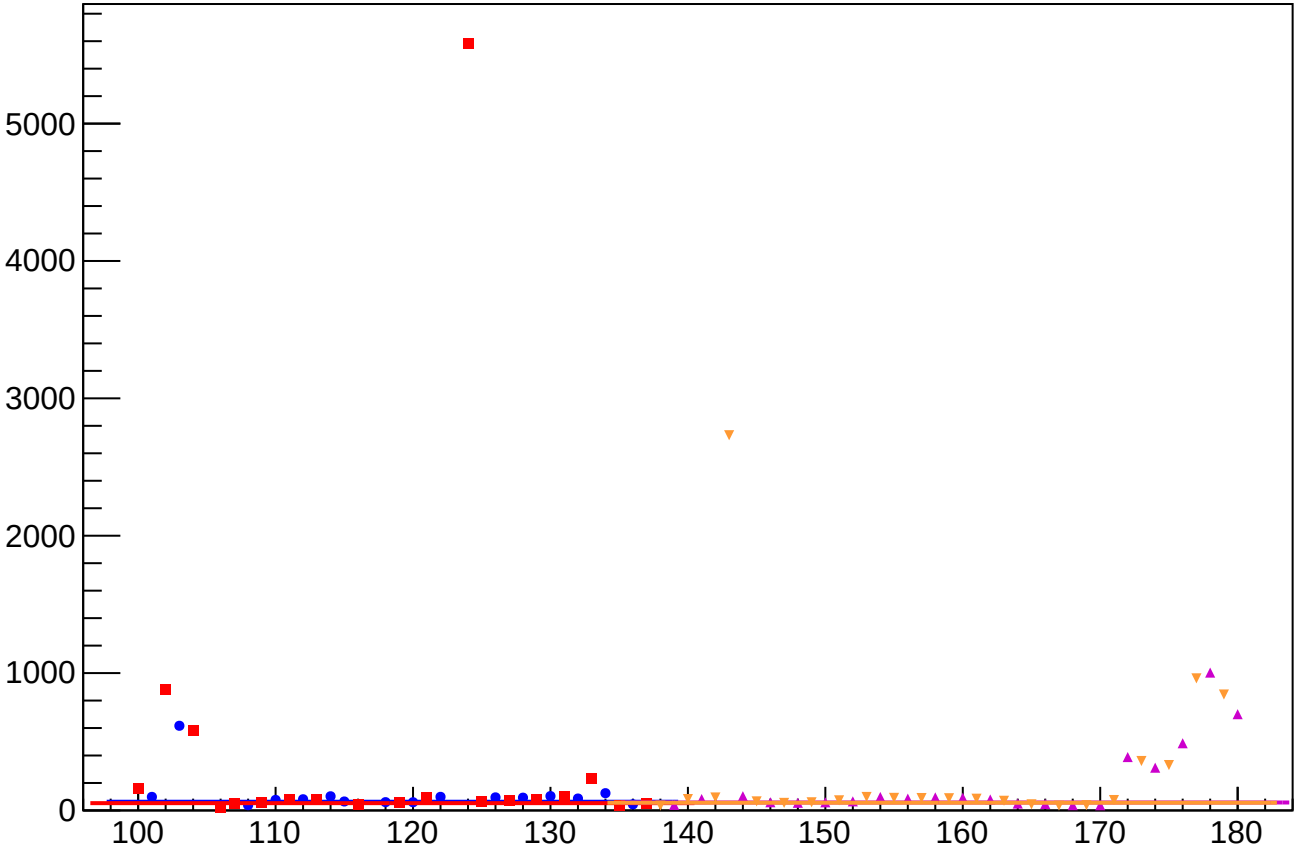
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:27.9/36

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 71.0/77

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: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

Left: 57.150+/-0.009 χ^2/NDF: 18005784.6/42

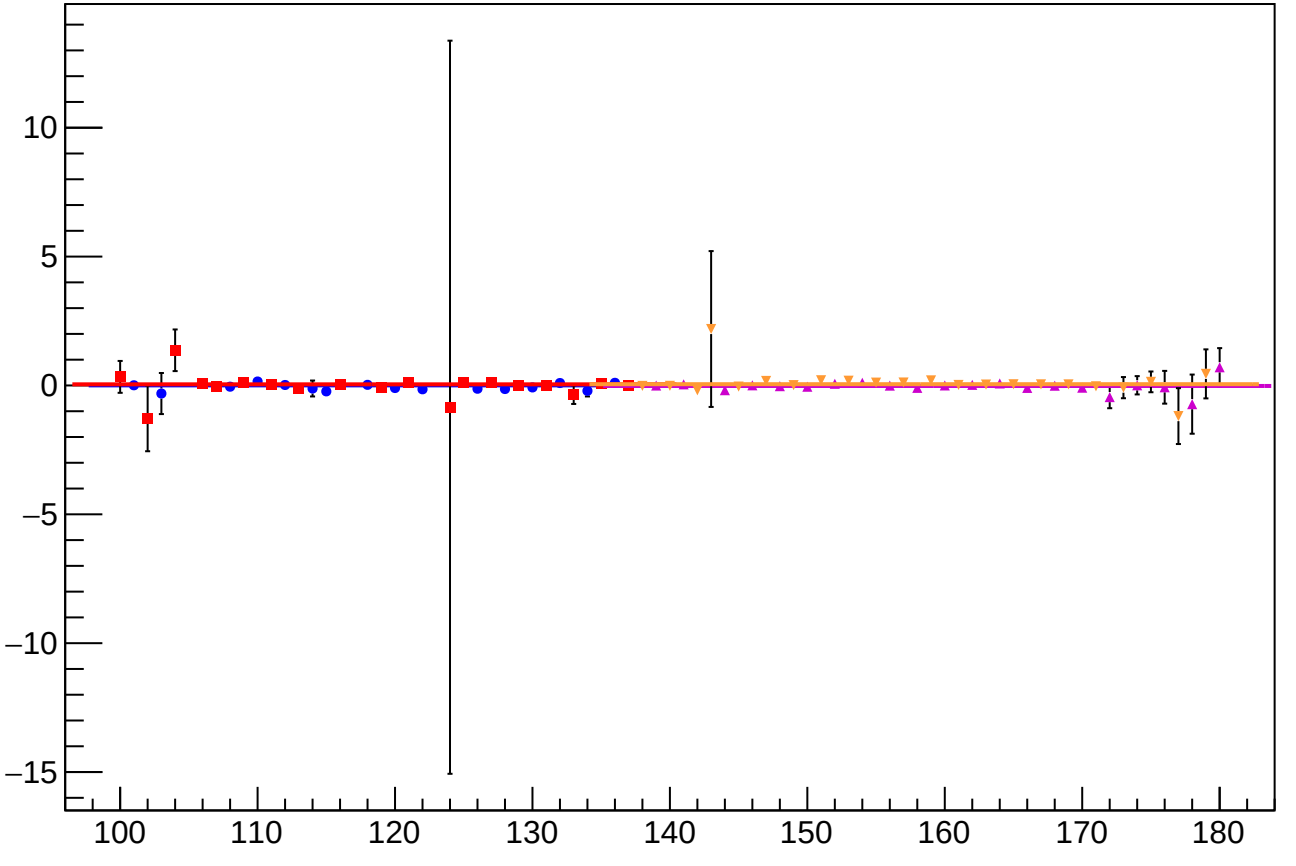
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.527+/-0.010 χ^2/NDF:11150225.7/36

Out: 55.337+/-0.010 χ^2/NDF:13317405.9/40

All: 57.366+/-0.007 χ^2/NDF: 24553725.2/77

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:14.1/20

Left: 0.015+/-0.012 χ^2/NDF: 43.6/42

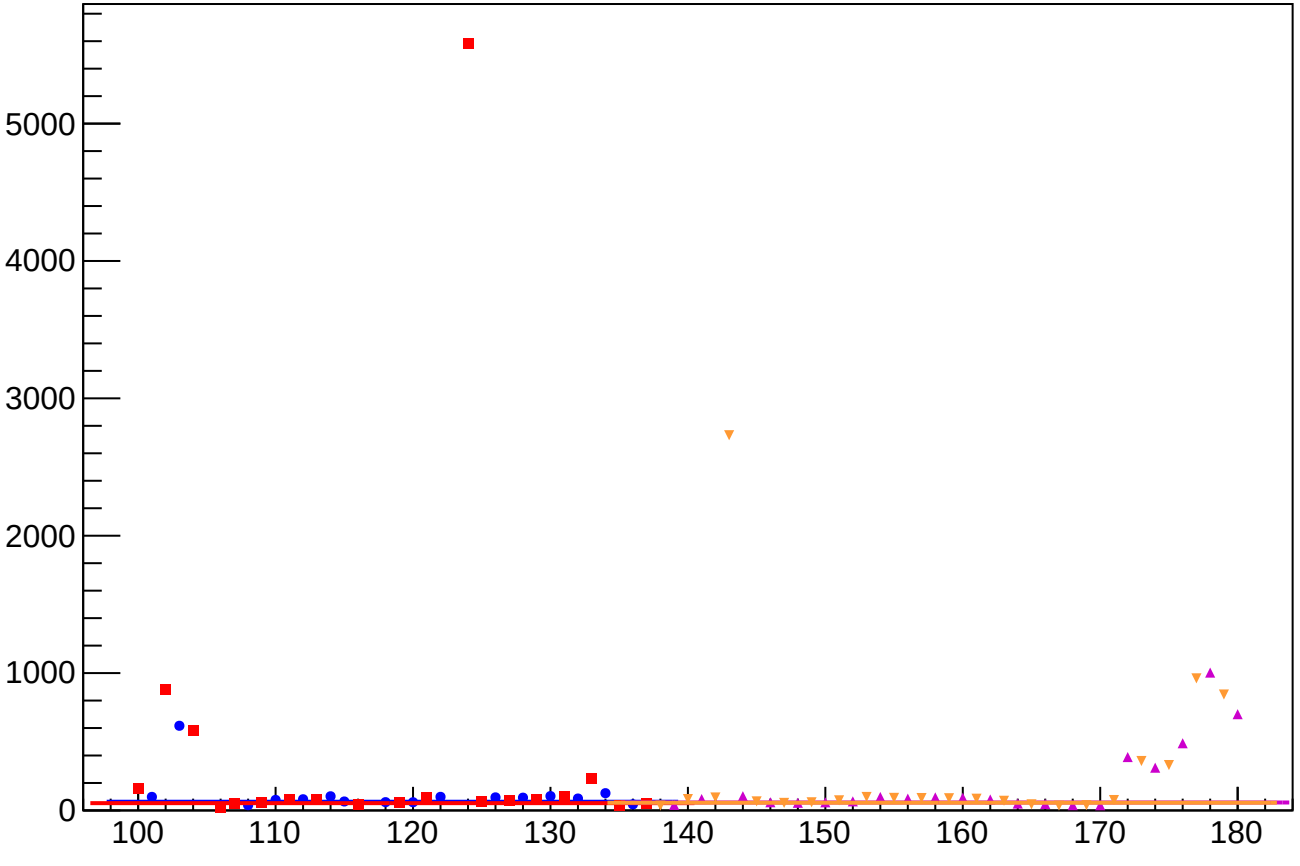
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:27.9/36

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 71.0/77

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: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.966+/-0.012 χ^2/NDF:8647453.7/20

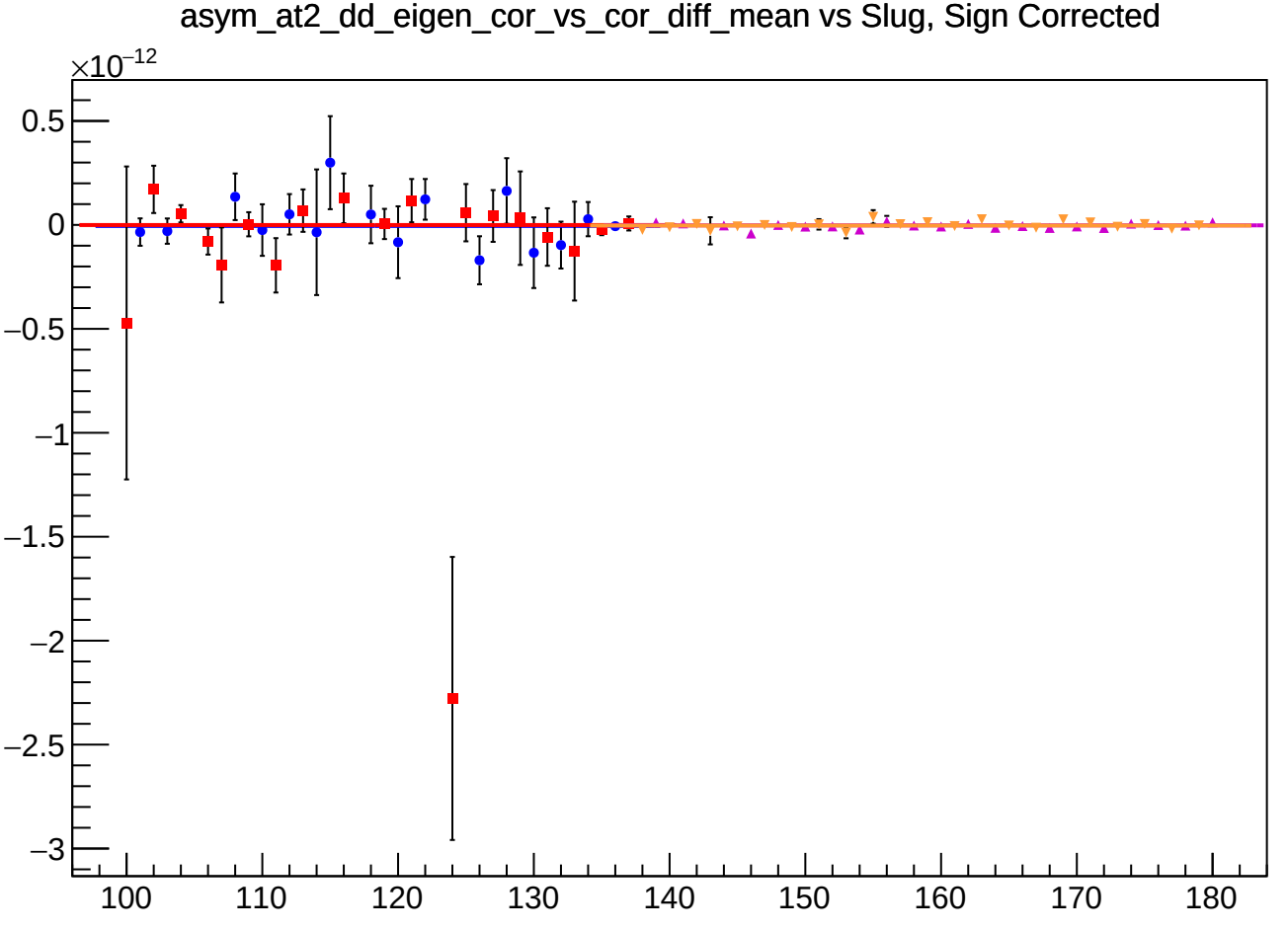
Left: 57.150+/-0.009 χ^2/NDF: 18005784.6/42

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.527+/-0.010 χ^2/NDF:11150225.7/36

Out: 55.337+/-0.010 χ^2/NDF:13317405.9/40

All: 57.366+/-0.007 χ^2/NDF: 24553725.2/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/20

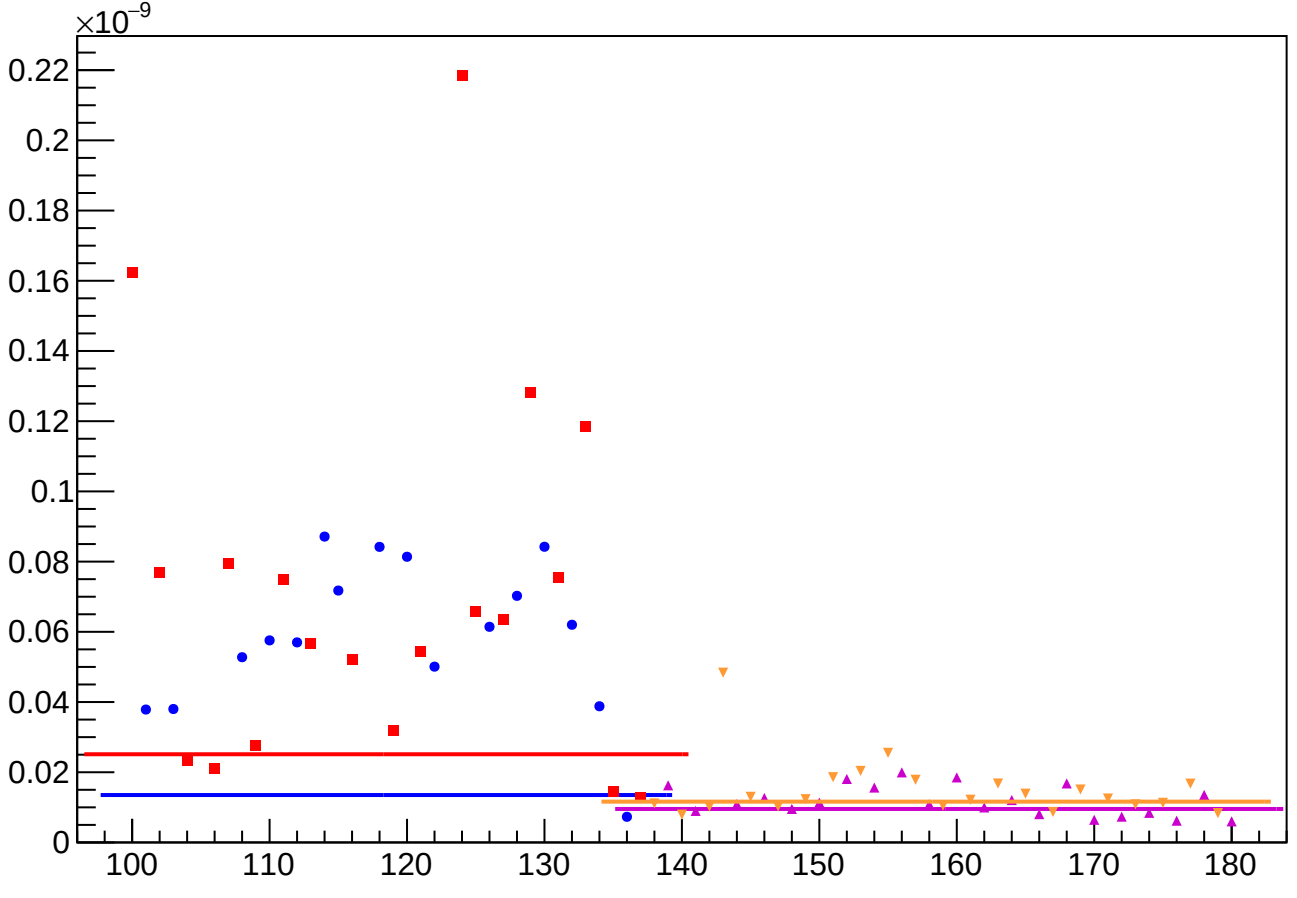
Left: -0.000+/-0.000 χ^2/NDF: 29.2/42

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:25.8/36

Out: -0.000+/-0.000 χ^2/NDF:39.5/40

All: -0.000+/-0.000 χ^2/NDF: 65.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430048.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2654720.7/20

Left: 0.000+/-0.000 χ^2/NDF: 5485110.1/42

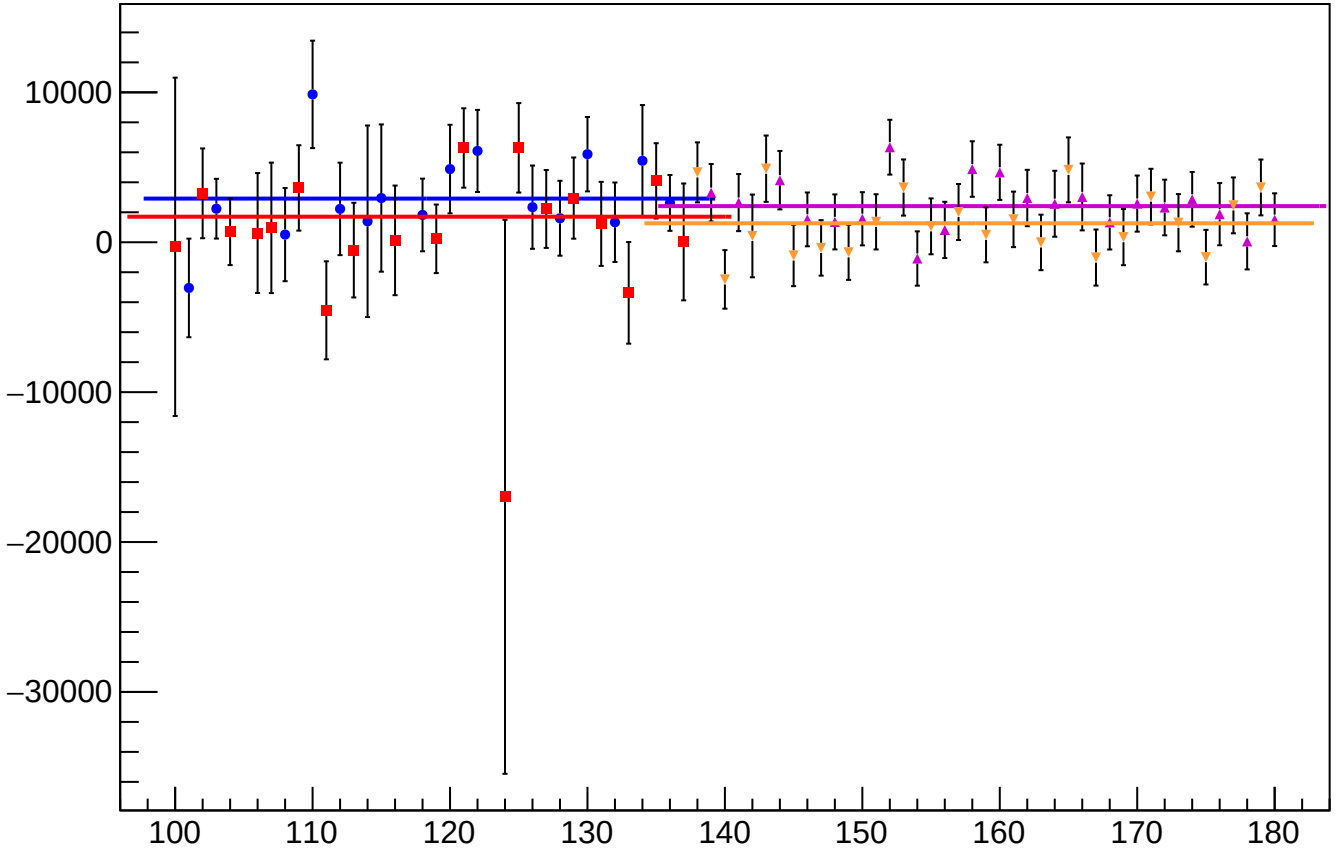
Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:7922936.6/36

Out: 0.000+/-0.000 χ^2/NDF:7533721.7/40

All: 0.000+/-0.000 χ^2/NDF: 16056022.3/77

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.250+/-410.492 χ^2/NDF:23.8/21

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2410.518+/-410.876 χ^2/NDF:16.7/20

Left: 1837.348+/-290.397 χ^2/NDF: 44.3/42

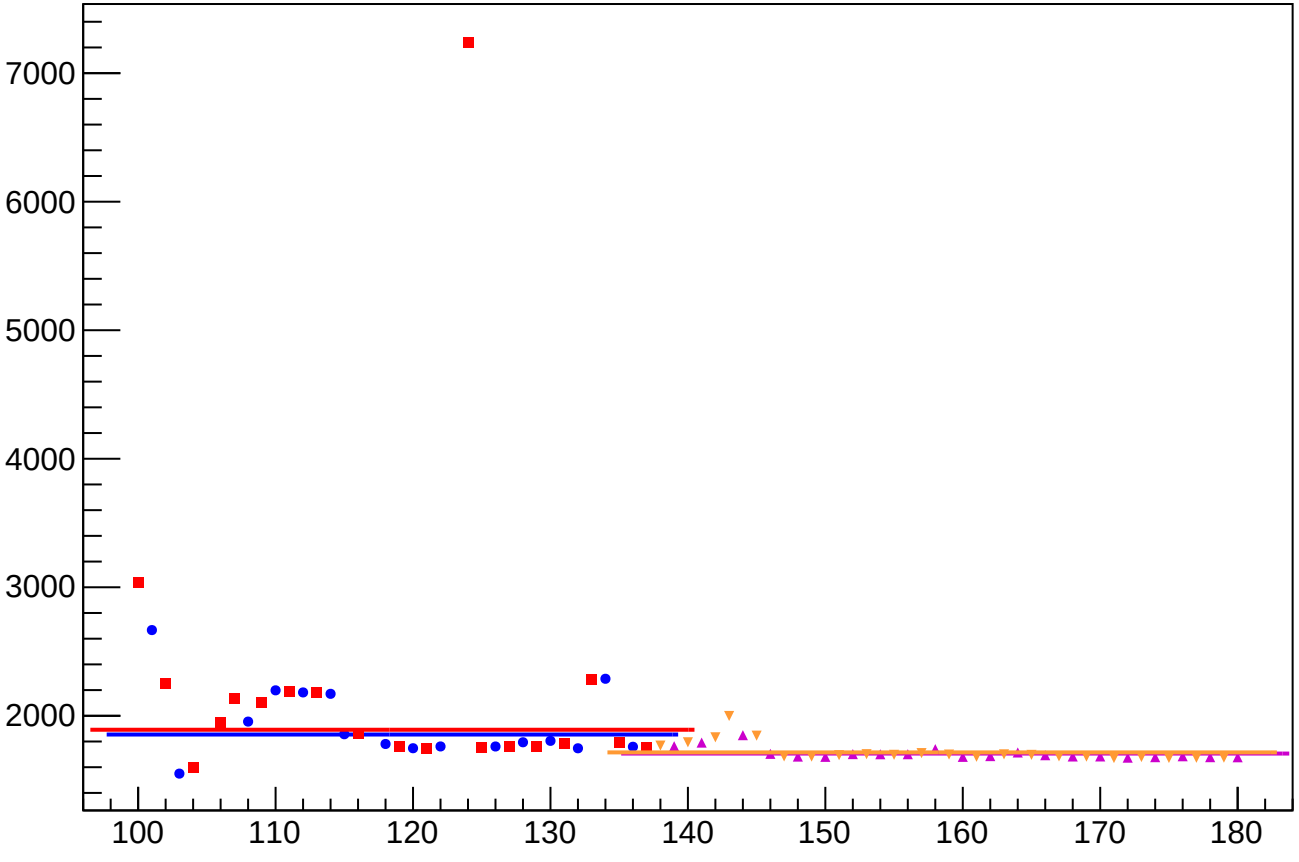
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2540.635+/-353.699 χ^2/NDF:29.5/36

Out: 1376.130+/-354.974 χ^2/NDF:39.9/40

All: 1960.479+/-250.553 χ^2/NDF: 74.8/77

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

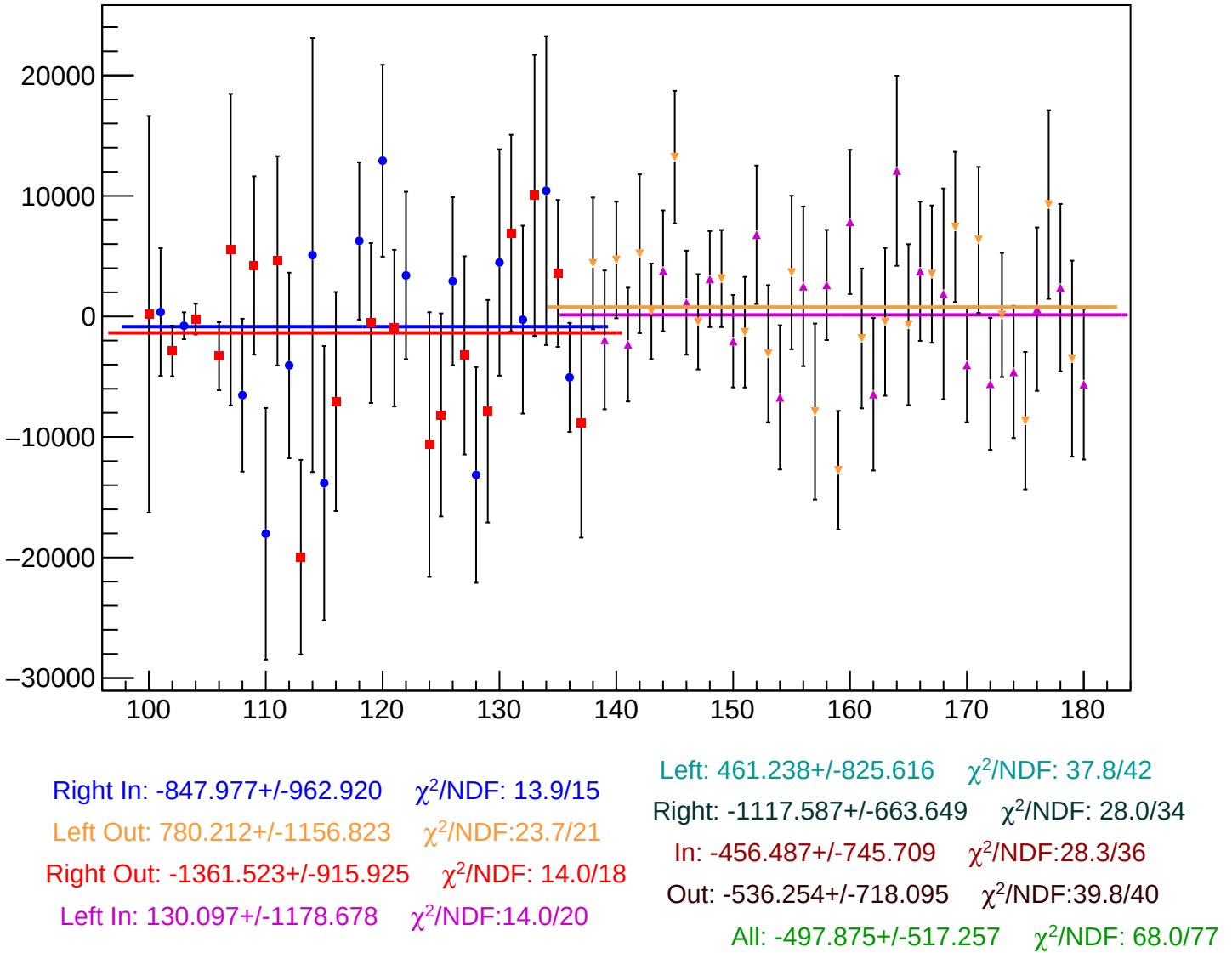
Left: 1710.746+/-0.205 χ^2/NDF: 80360.6/42

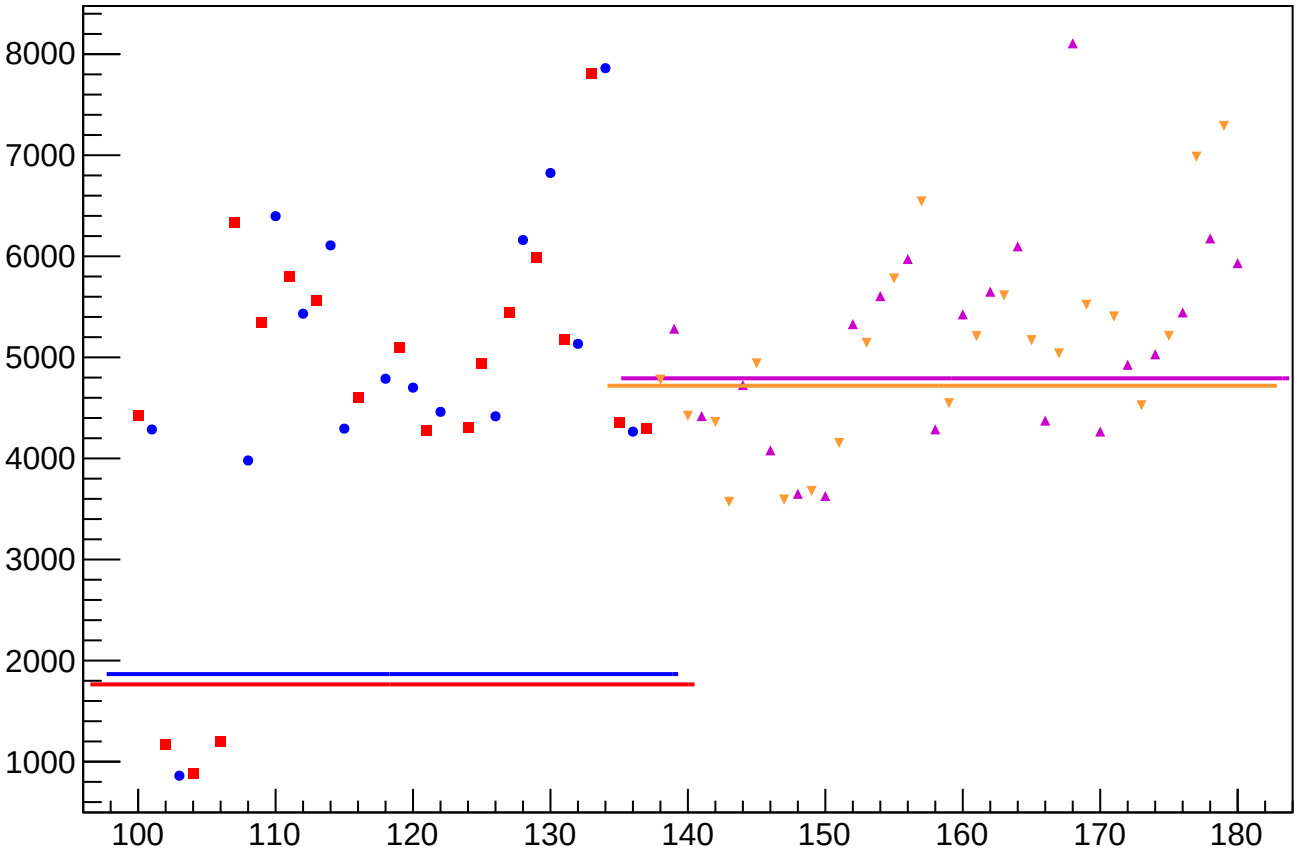
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1744.561+/-0.250 χ^2/NDF:352220.7/36

Out: 1759.865+/-0.251 χ^2/NDF:515569.7/40

All: 1752.190+/-0.177 χ^2/NDF: 869657.1/77


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 780.212+/-1156.823 χ²/NDF:23.7/21
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 130.097+/-1178.678 χ²/NDF:14.0/20
Left: 461.238+/-825.616 χ²/NDF: 37.8/42
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -456.487+/-745.709 χ²/NDF:28.3/36
Out: -536.254+/-718.095 χ²/NDF:39.8/40
All: -497.875+/-517.257 χ²/NDF: 68.0/77



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4719.335+/-0.818 χ^2/NDF:1221391.6/21

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4792.866+/-0.833 χ^2/NDF:1179525.8/20

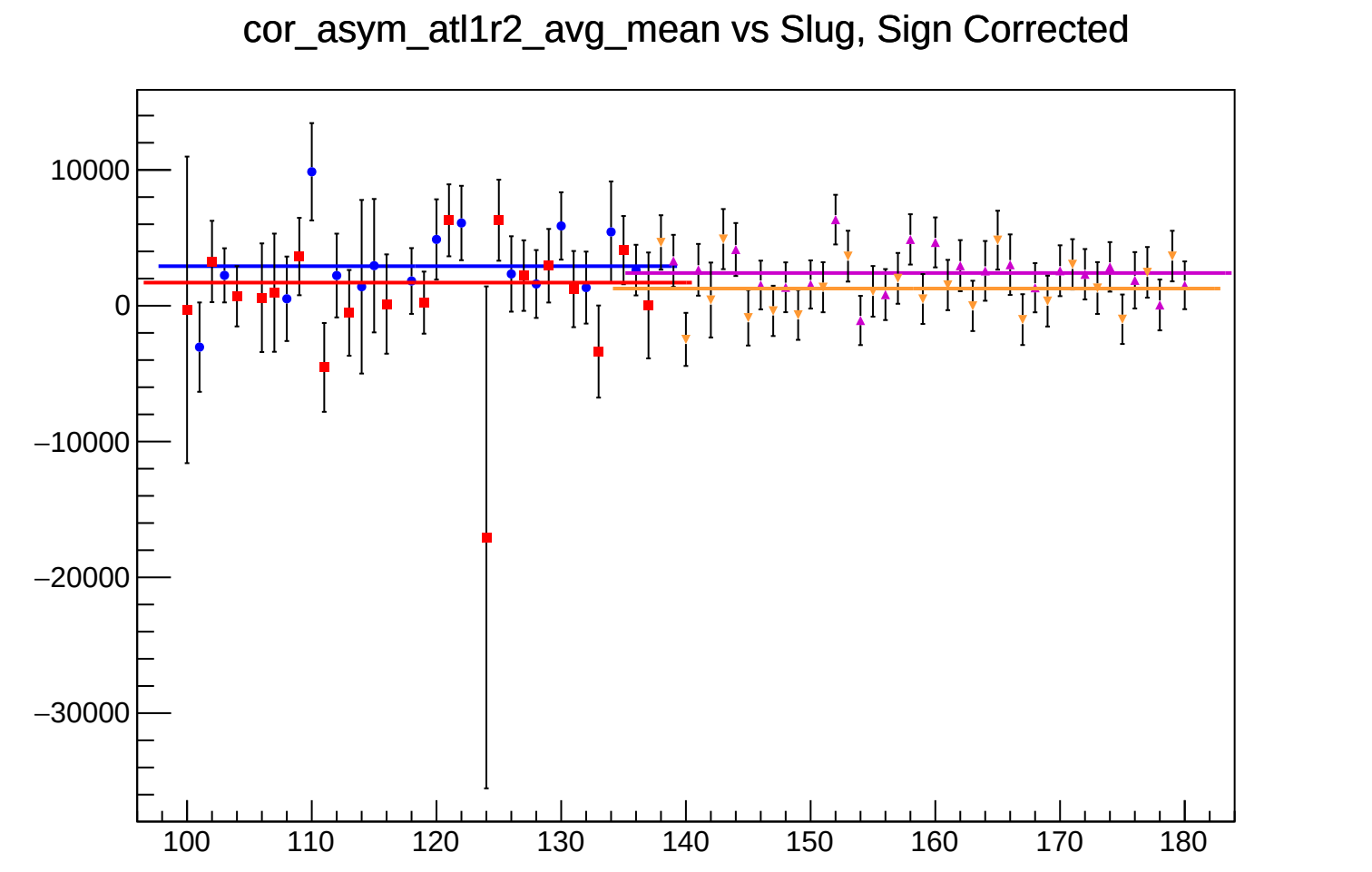
Left: 4755.412+/-0.584 χ^2/NDF: 2404882.1/42

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 3037.767+/-0.527 χ^2/NDF:15423238.0/36

Out: 2902.944+/-0.508 χ^2/NDF:15677982.2/40

All: 2967.813+/-0.366 χ^2/NDF: 31135141.0/



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2410.489+/-410.876 χ^2/NDF:16.7/20

Left: 1837.287+/-290.397 χ^2/NDF: 44.3/42

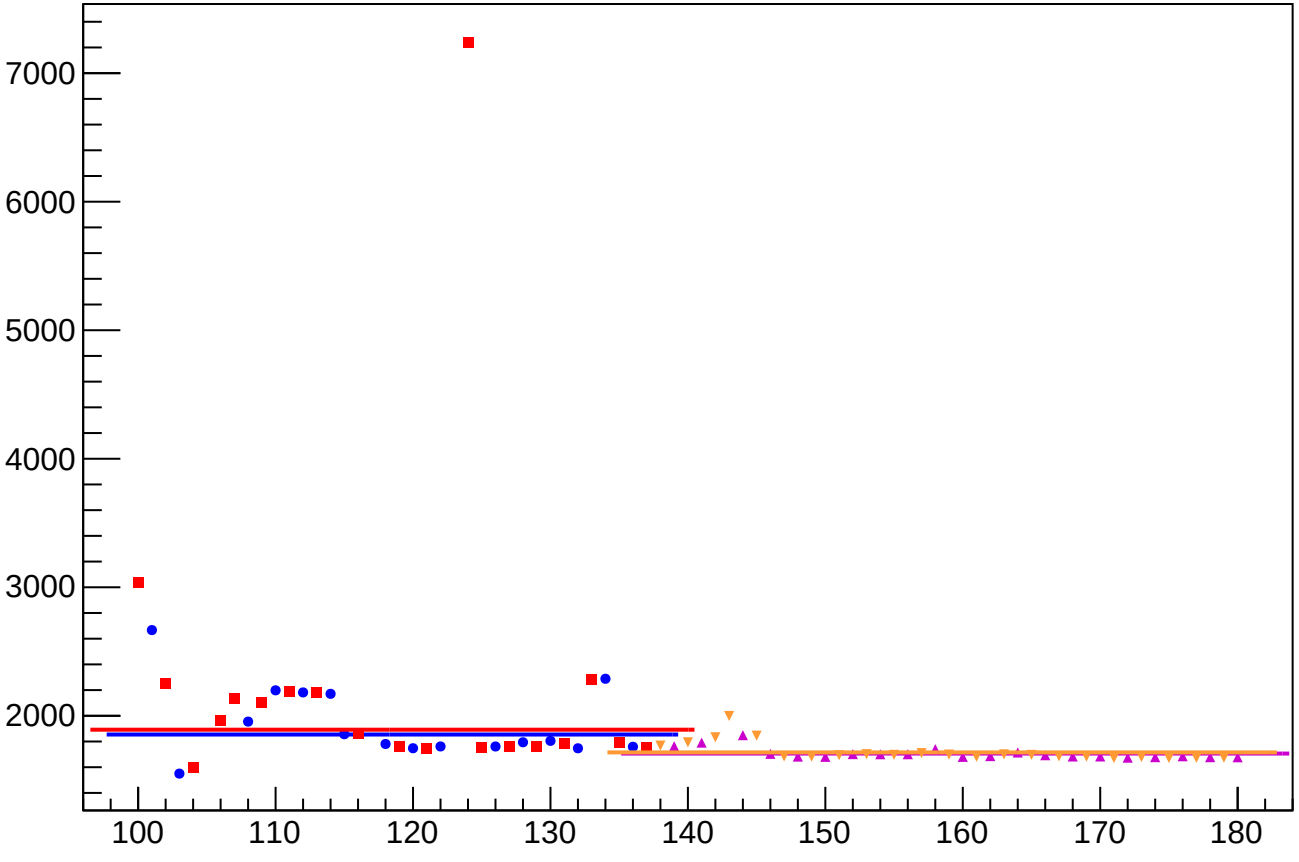
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2540.639+/-353.699 χ^2/NDF:29.5/36

Out: 1375.712+/-354.975 χ^2/NDF:39.9/40

All: 1960.273+/-250.553 χ^2/NDF: 74.8/77

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

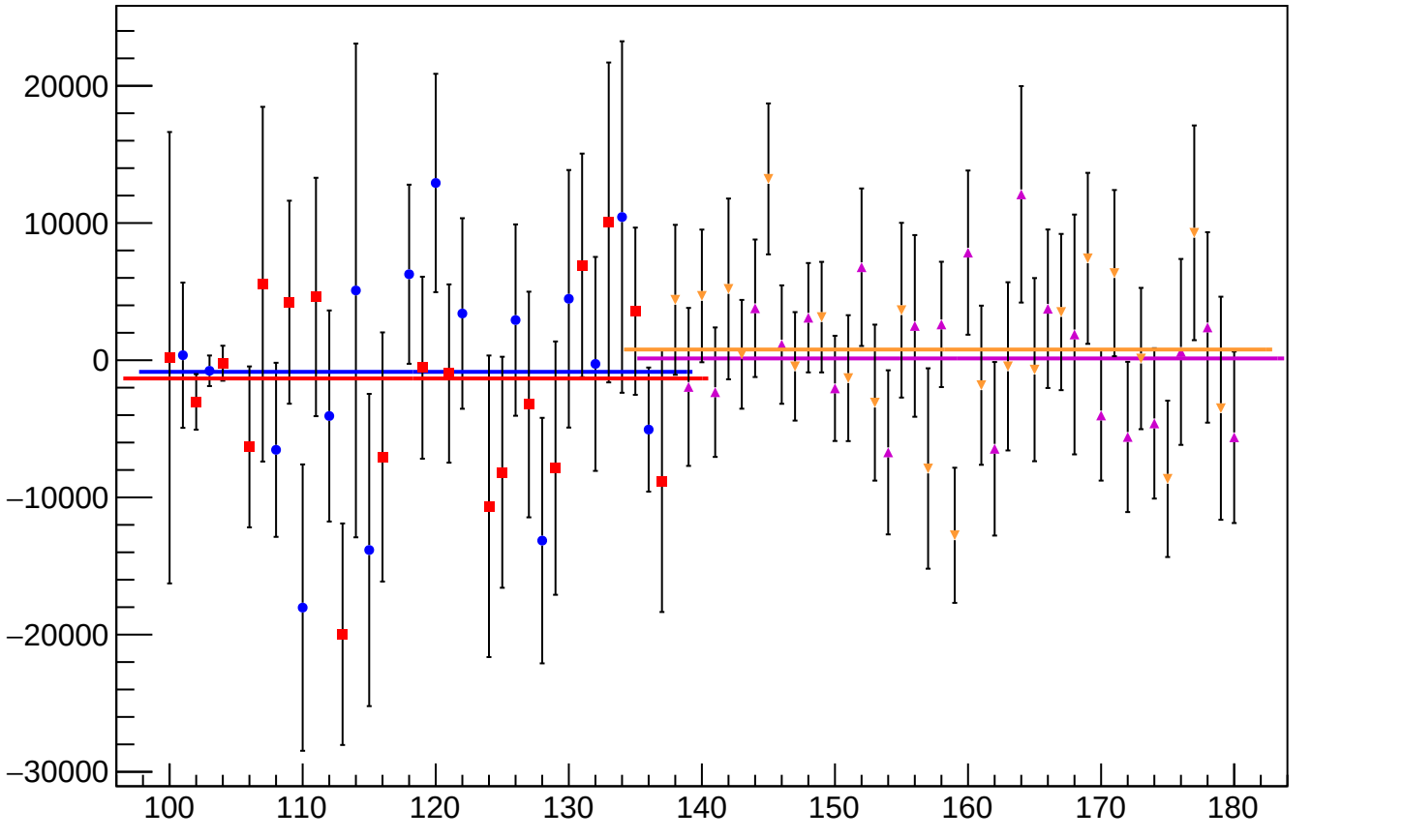
Left: 1710.746+/-0.205 χ^2/NDF: 80360.6/42

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1744.561+/-0.250 χ^2/NDF:352220.6/36

Out: 1759.966+/-0.251 χ^2/NDF:516265.3/40

All: 1752.240+/-0.177 χ^2/NDF: 870377.2/77



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 130.140+/-1178.678 χ^2/NDF:14.0/20

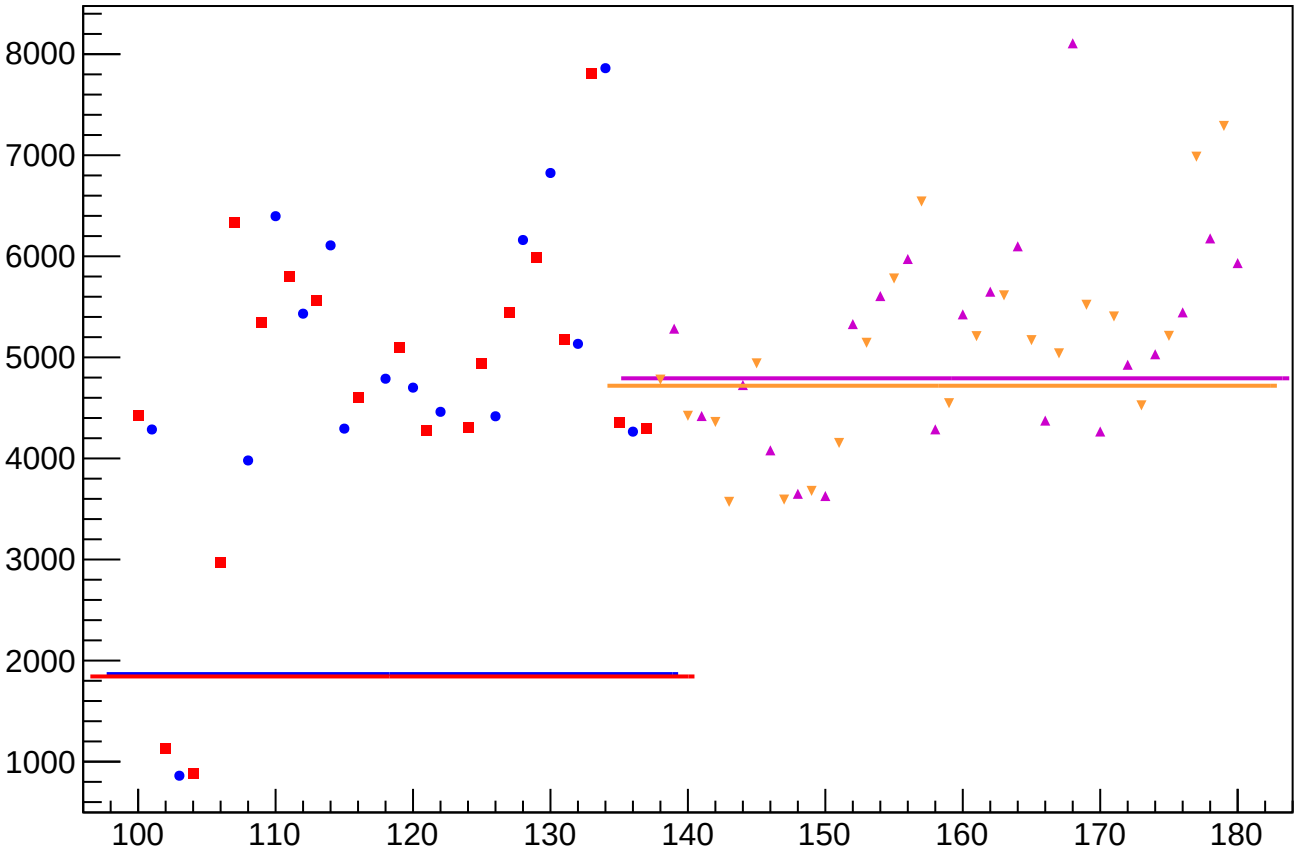
Left: 461.254+/-825.615 χ^2/NDF: 37.8/42

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -456.212+/-745.684 χ^2/NDF:28.3/36

Out: -482.859+/-733.318 χ^2/NDF:40.1/40

All: -469.758+/-522.851 χ^2/NDF: 68.3/77



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4792.864+/-0.833 χ^2/NDF:1179540.0/20

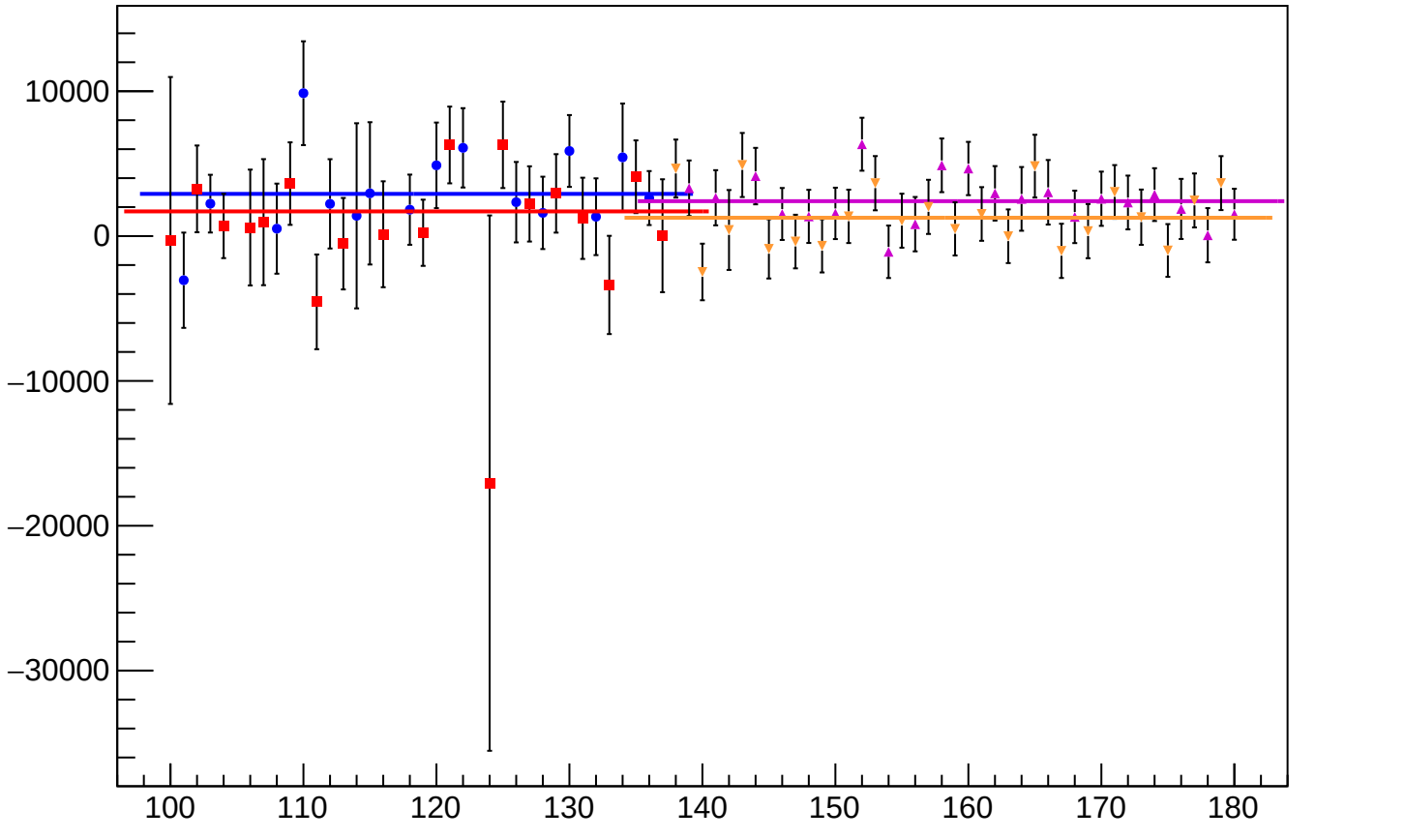
Left: 4755.408+/-0.584 χ^2/NDF: 2404912.8/42

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3037.597+/-0.527 χ^2/NDF:15424769.5/36

Out: 2998.749+/-0.519 χ^2/NDF:15076400.0/40

All: 3017.848+/-0.370 χ^2/NDF: 30503928.9/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2410.489+/-410.876 χ^2/NDF:16.7/20

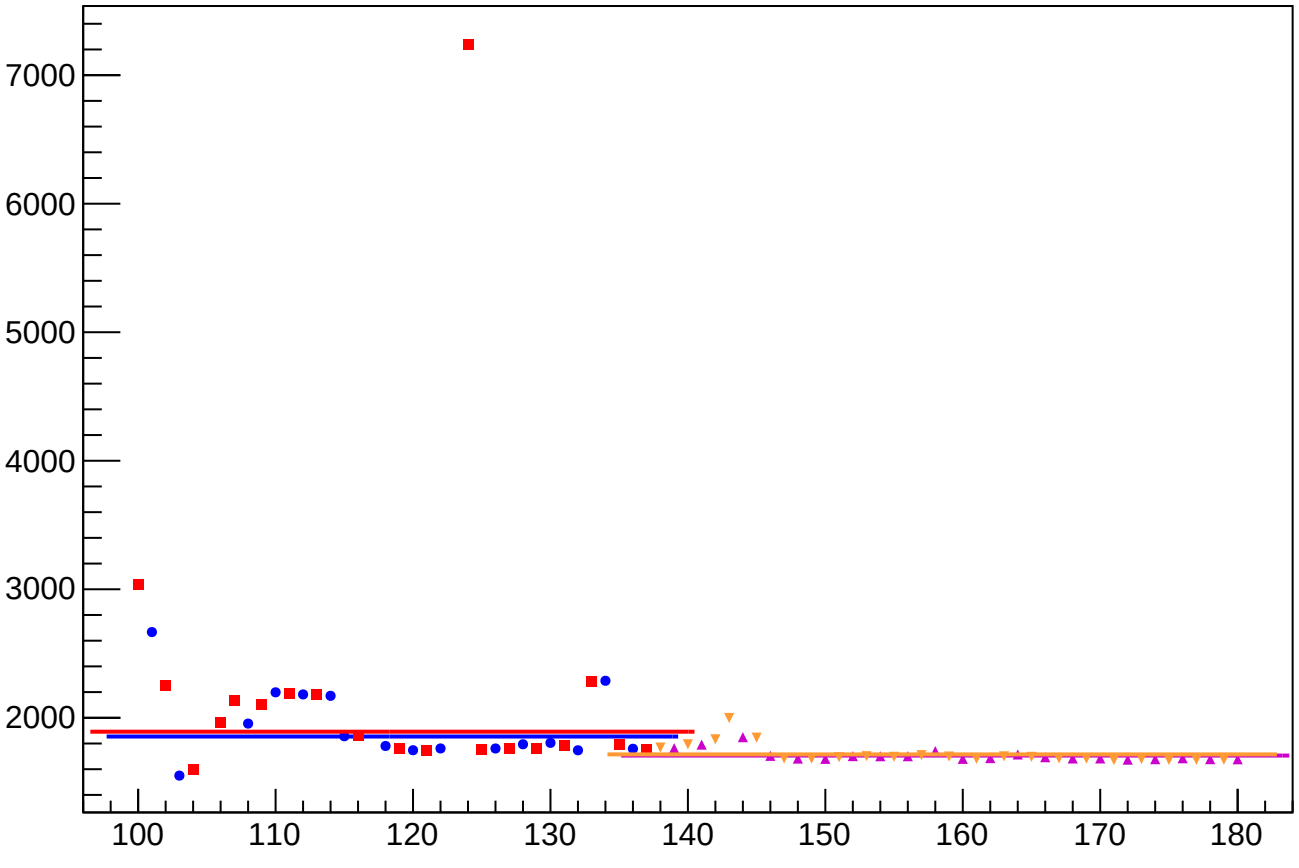
Left: 1837.287+/-290.397 χ^2/NDF: 44.3/42

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2540.639+/-353.699 χ^2/NDF:29.5/36

Out: 1375.712+/-354.975 χ^2/NDF:39.9/40

All: 1960.273+/-250.553 χ^2/NDF: 74.8/77



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1706.209+/-0.291 χ^2/NDF:21605.3/20

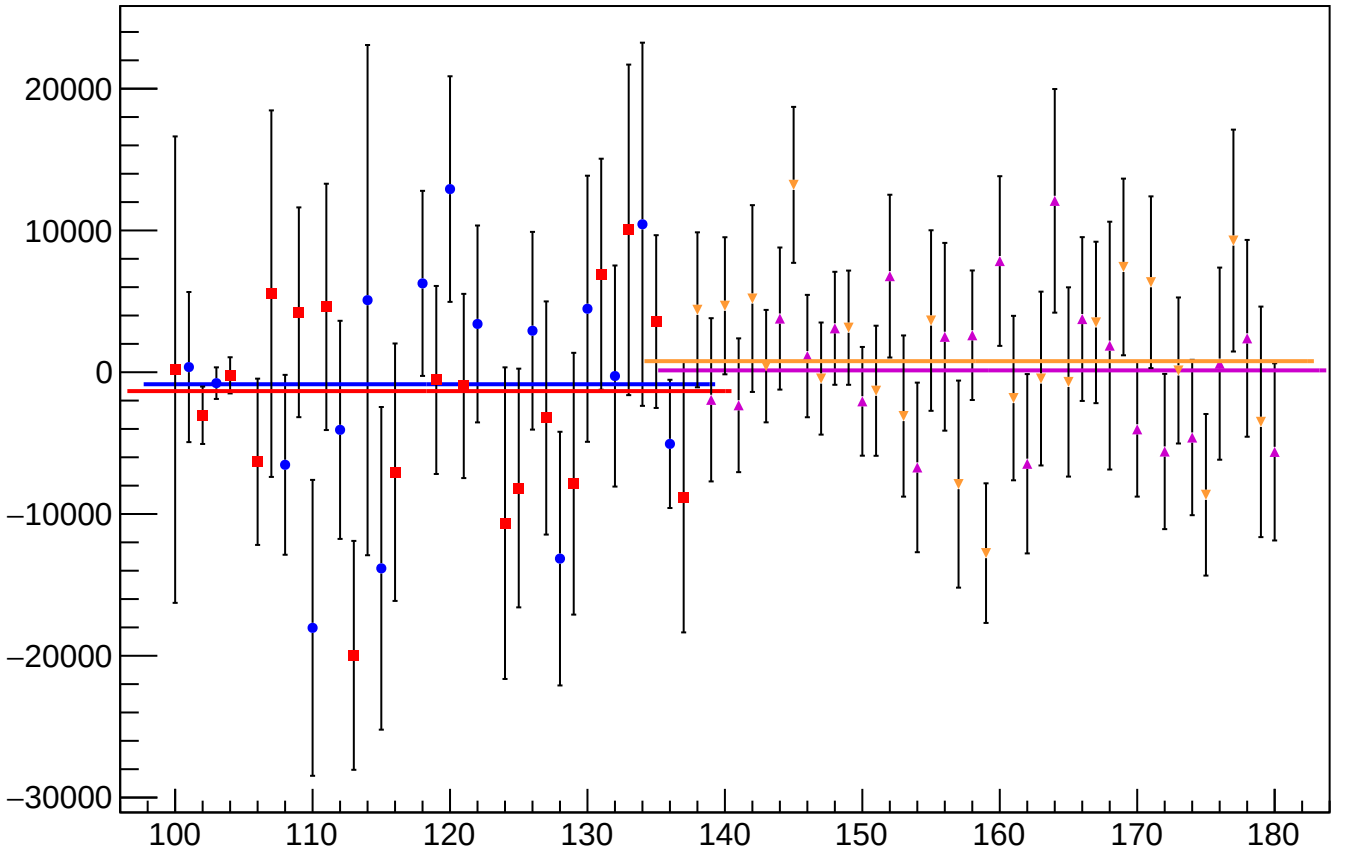
Left: 1710.746+/-0.205 χ^2/NDF: 80360.6/42

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1744.561+/-0.250 χ^2/NDF:352220.6/36

Out: 1759.966+/-0.251 χ^2/NDF:516265.3/40

All: 1752.240+/-0.177 χ^2/NDF: 870377.2/77



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 130.140+/-1178.678 χ^2/NDF:14.0/20

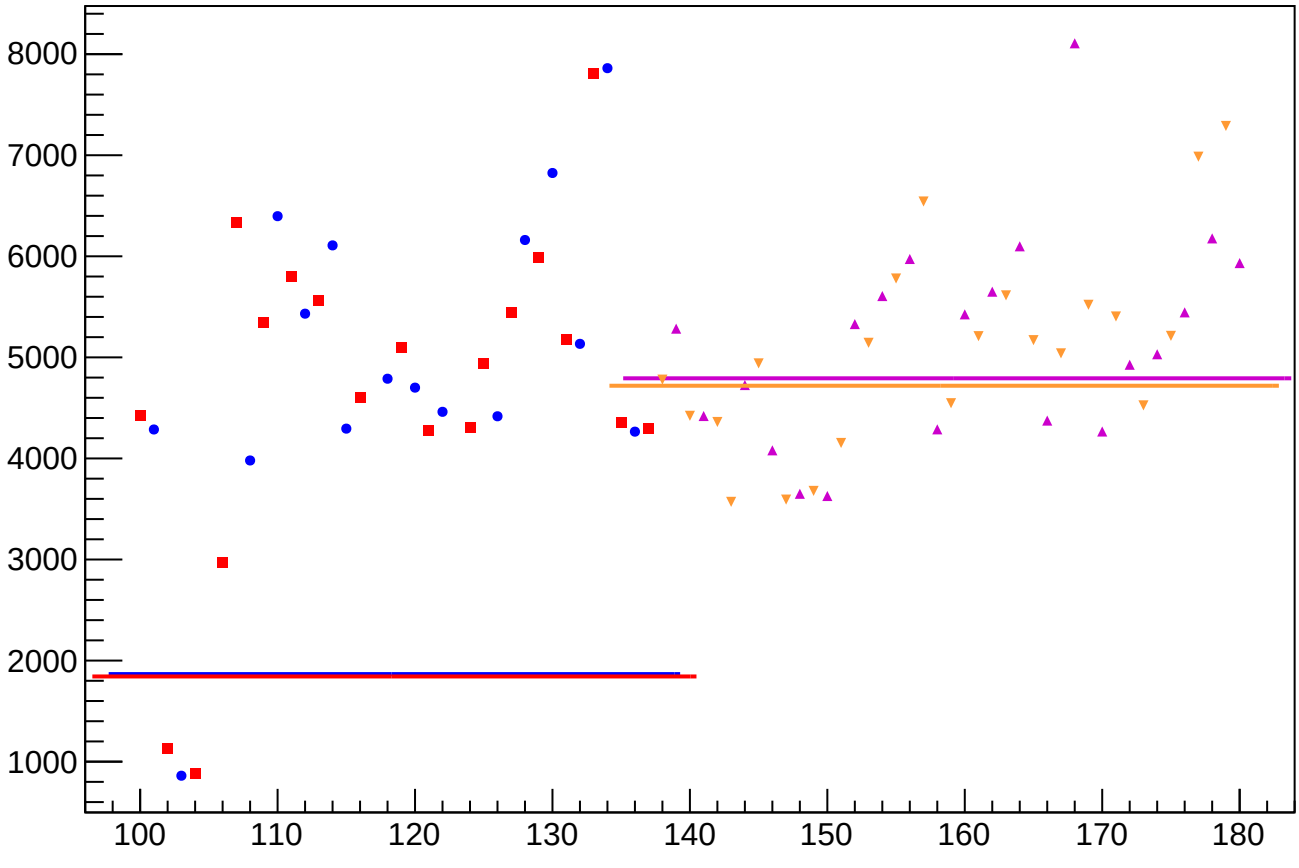
Left: 461.254+/-825.615 χ^2/NDF: 37.8/42

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -456.212+/-745.684 χ^2/NDF:28.3/36

Out: -482.859+/-733.318 χ^2/NDF:40.1/40

All: -469.758+/-522.851 χ^2/NDF: 68.3/77



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4792.864+/-0.833 χ^2/NDF:1179540.0/20

Left: 4755.408+/-0.584 χ^2/NDF: 2404912.8/42

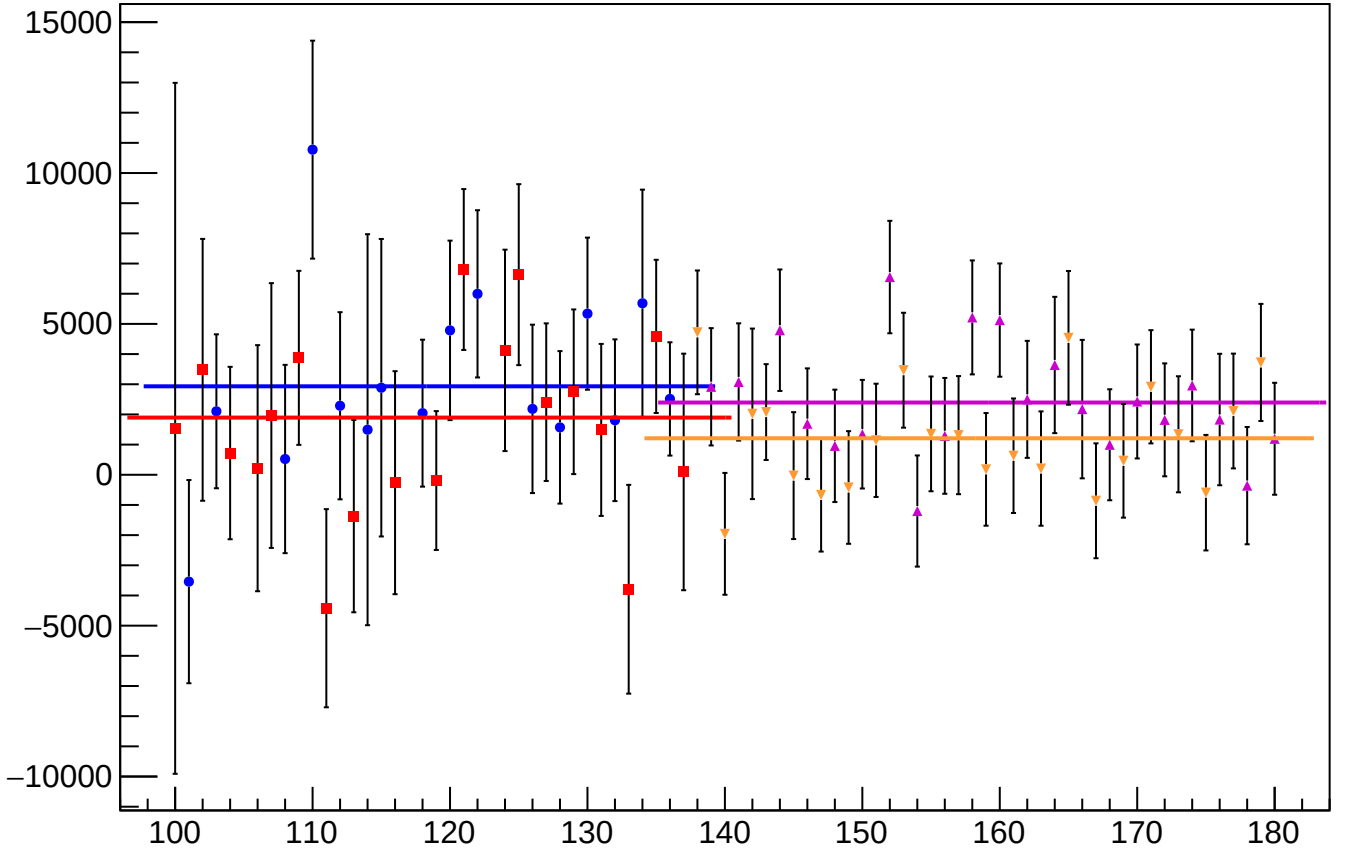
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 3037.597+/-0.527 χ^2/NDF:15424769.5/36

Out: 2998.749+/-0.519 χ^2/NDF:15076400.0/40

All: 3017.848+/-0.370 χ^2/NDF: 30503928.9/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1209.510+/-412.624 χ^2/NDF:17.2/21

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2394.244+/-420.291 χ^2/NDF:19.7/20

Left: 1790.973+/-294.443 χ^2/NDF: 41.0/42

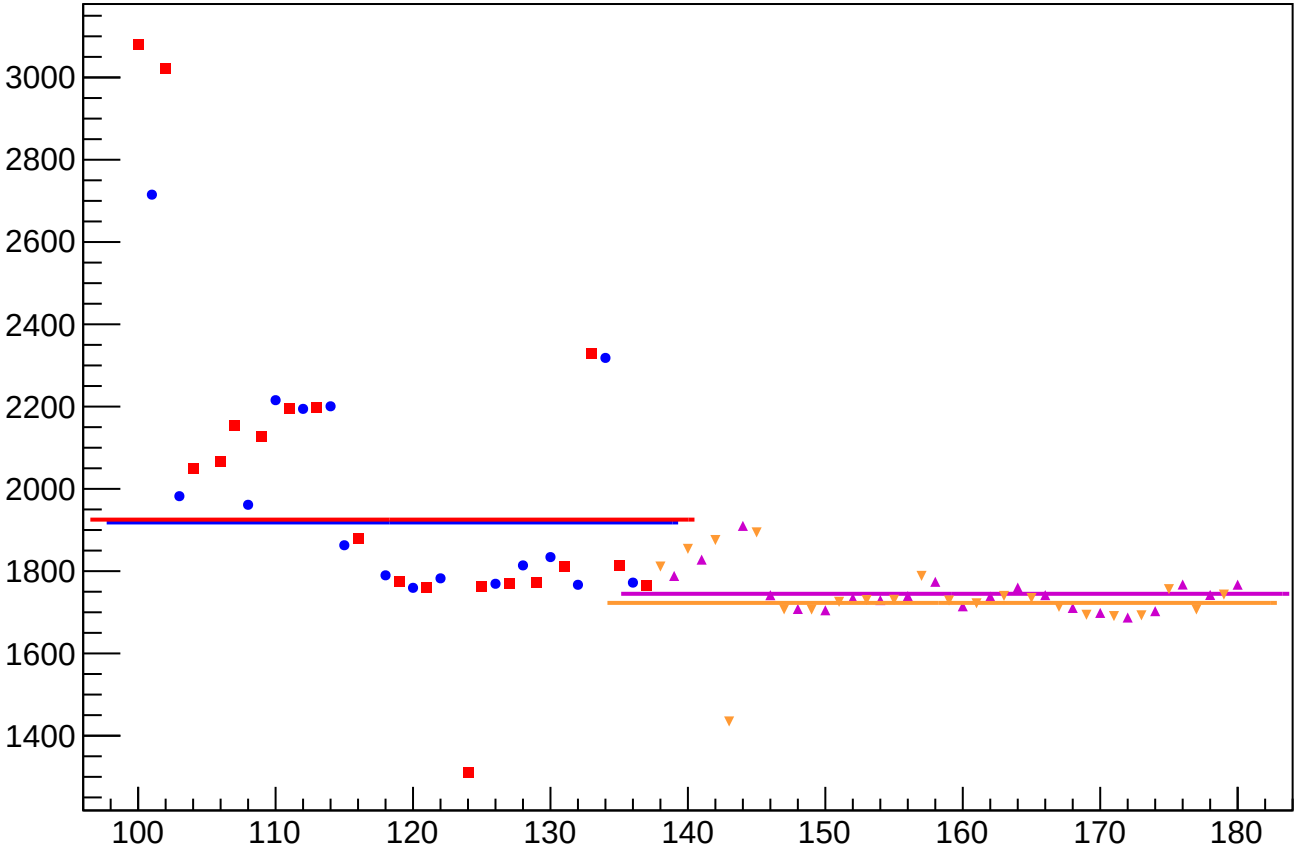
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2531.316+/-362.757 χ^2/NDF:33.1/36

Out: 1378.419+/-358.241 χ^2/NDF:35.3/40

All: 1947.647+/-254.896 χ^2/NDF: 73.5/77

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.836+/-0.292 χ^2/NDF:102604.7/21

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

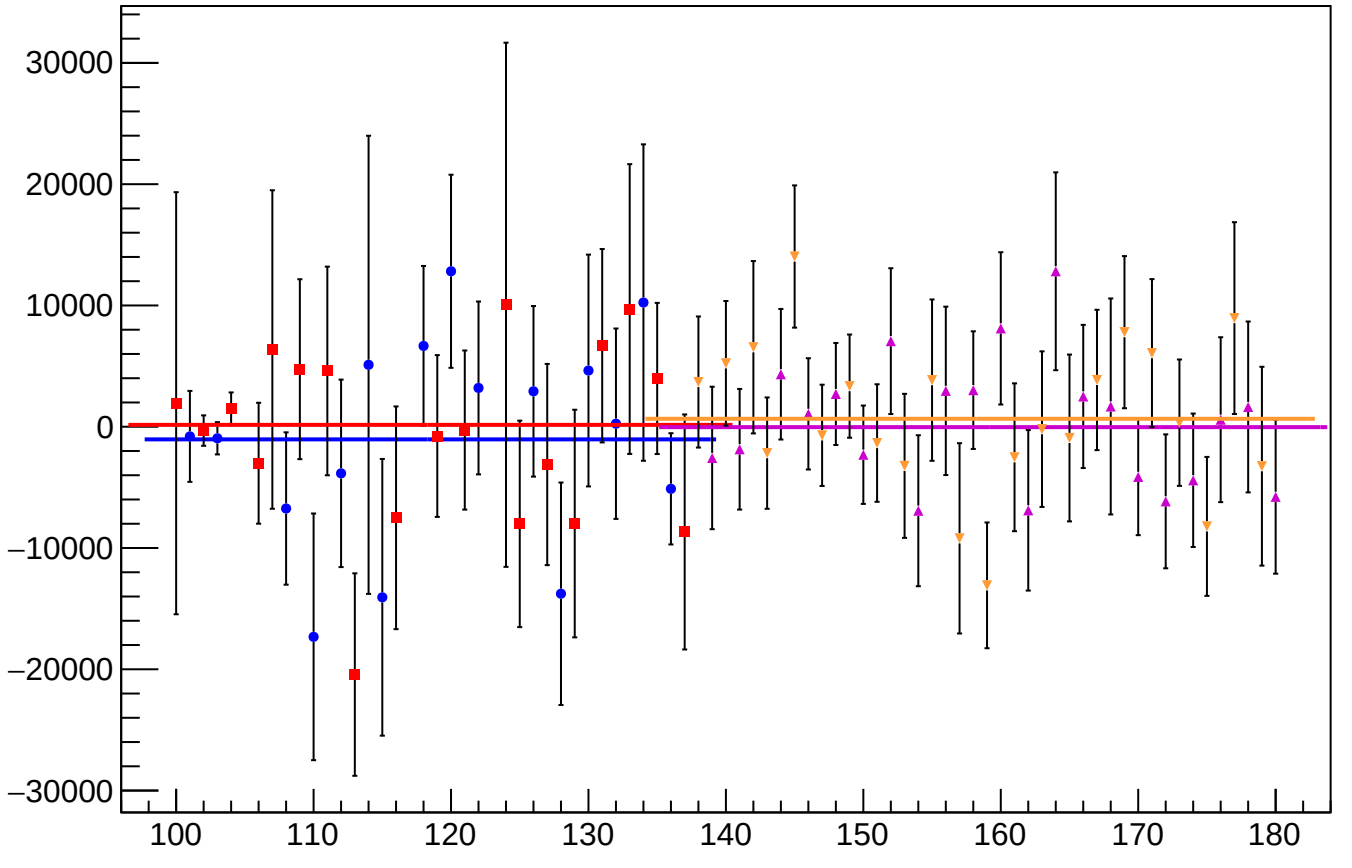
Left: 1733.688+/-0.208 χ^2/NDF: 131999.0/42

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1789.176+/-0.257 χ^2/NDF:329014.7/36

Out: 1772.740+/-0.253 χ^2/NDF:560362.2/40

All: 1780.853+/-0.180 χ^2/NDF: 891455.9/77



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 655.320+/-1212.091 χ^2/NDF:23.8/21

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -34.360+/-1225.552 χ^2/NDF:13.9/20

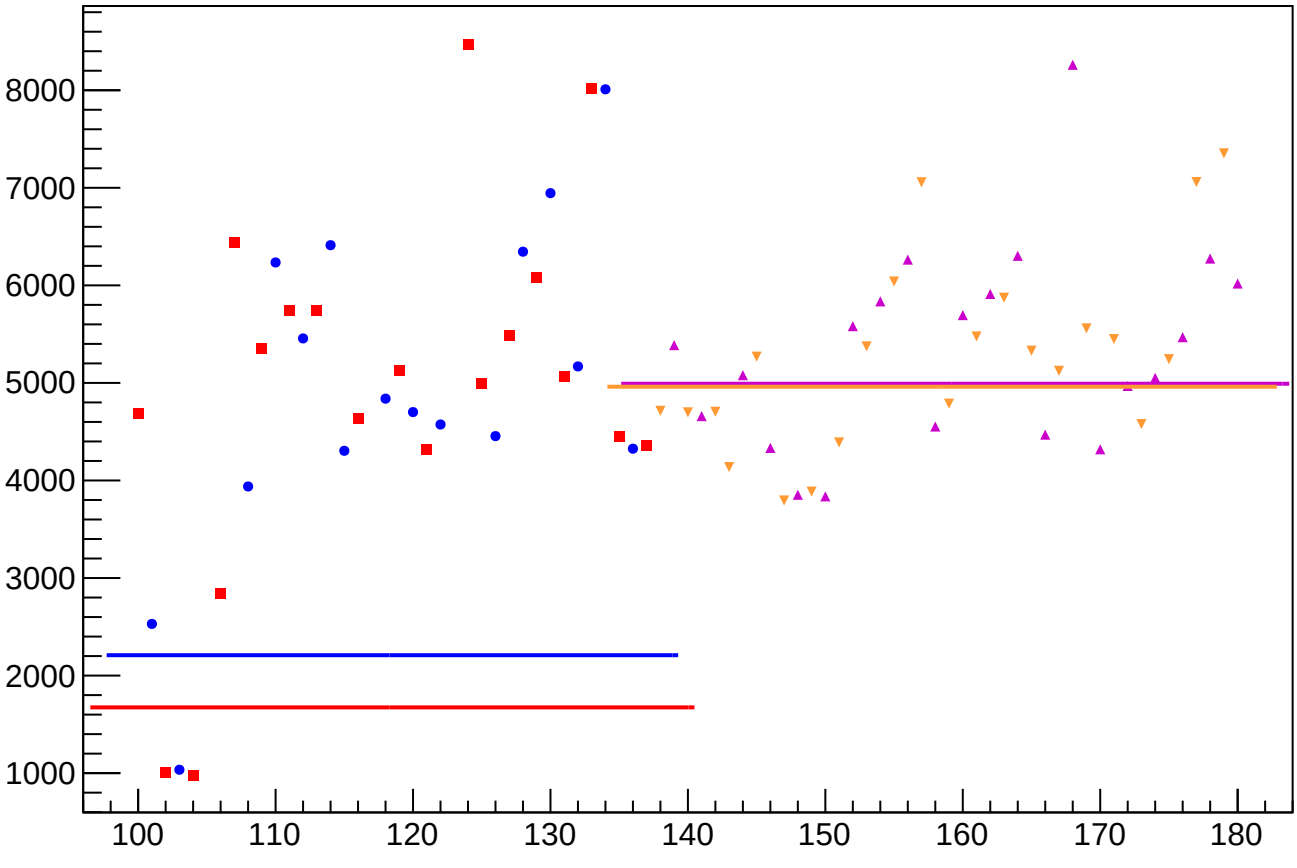
Left: 314.288+/-861.798 χ^2/NDF: 37.8/42

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -604.985+/-807.052 χ^2/NDF:28.1/36

Out: 315.257+/-687.994 χ^2/NDF:37.6/40

All: -72.042+/-523.569 χ^2/NDF: 66.5/77



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4961.240+/-0.857 χ^2/NDF:1020208.8/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4991.568+/-0.867 χ^2/NDF:1076417.6/20

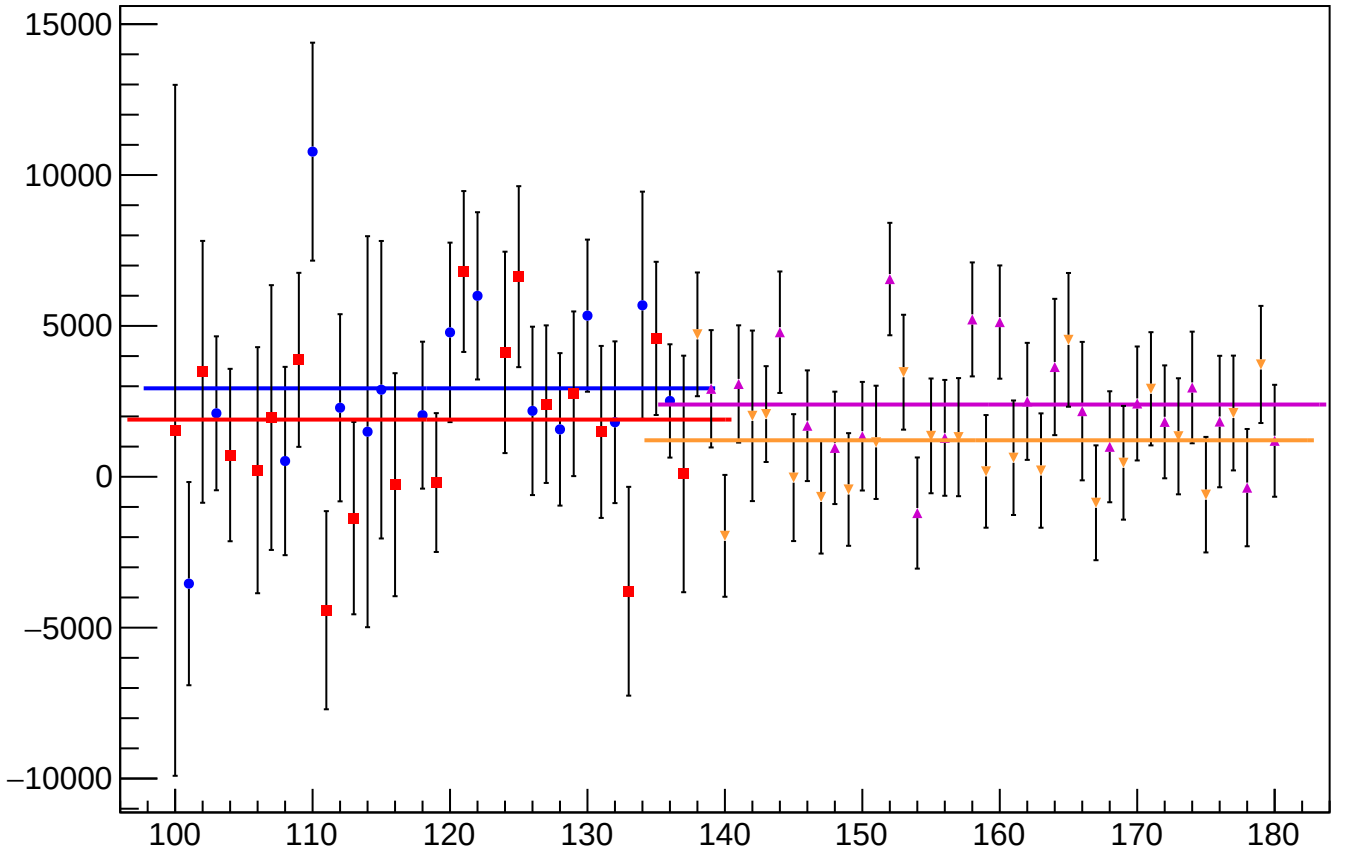
Left: 4976.236+/-0.609 χ^2/NDF: 2097245.6/42

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3415.612+/-0.571 χ^2/NDF:12414855.0/36

Out: 2733.193+/-0.486 χ^2/NDF:17843395.3/40

All: 3020.400+/-0.370 χ^2/NDF: 31086396.9/7



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1209.504+/-412.625 χ^2/NDF:17.2/21

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2394.245+/-420.291 χ^2/NDF:19.7/20

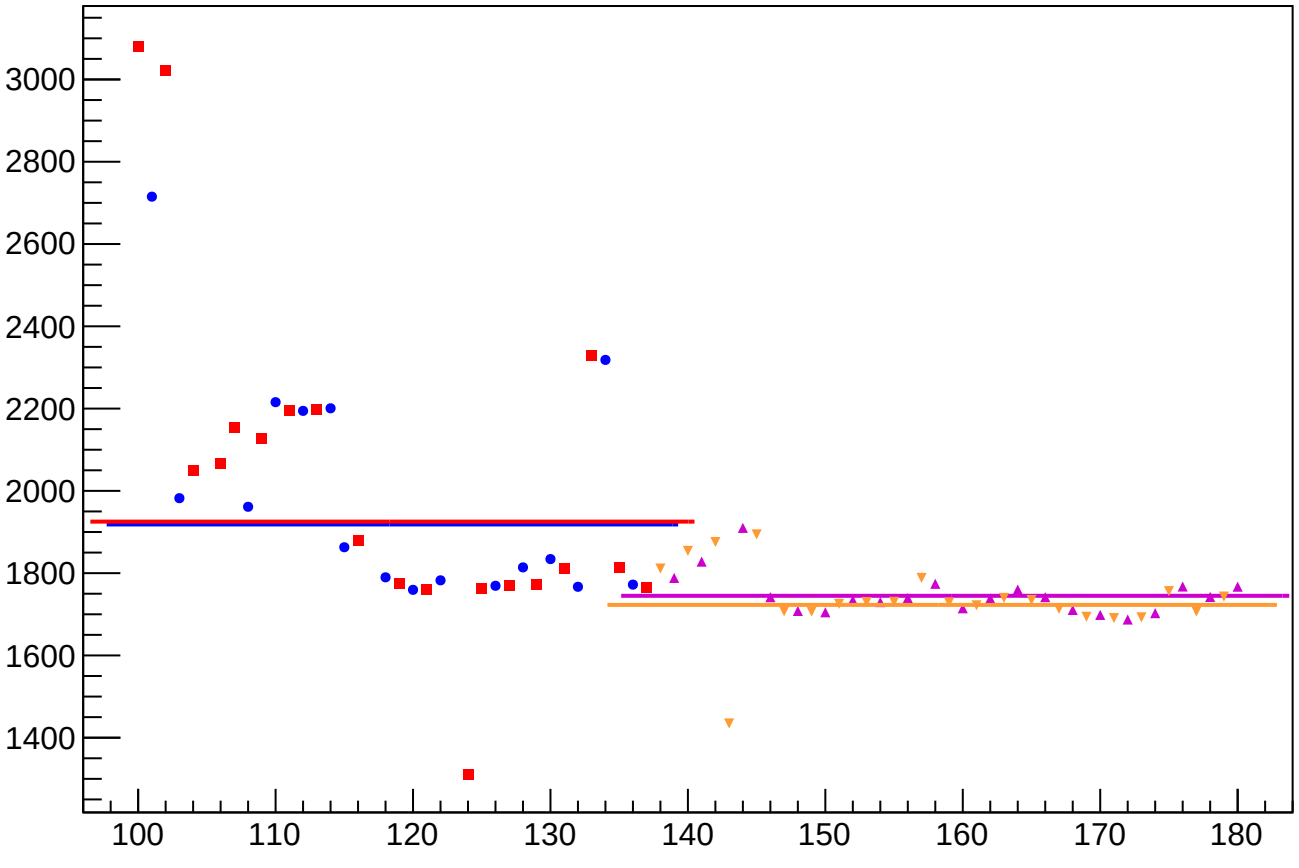
Left: 1790.971+/-294.443 χ^2/NDF: 41.0/42

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2531.317+/-362.757 χ^2/NDF:33.1/36

Out: 1378.416+/-358.241 χ^2/NDF:35.3/40

All: 1947.647+/-254.896 χ^2/NDF: 73.5/77



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.837+/-0.292 χ^2/NDF:102603.9/21

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1744.946+/-0.297 χ^2/NDF:26576.1/20

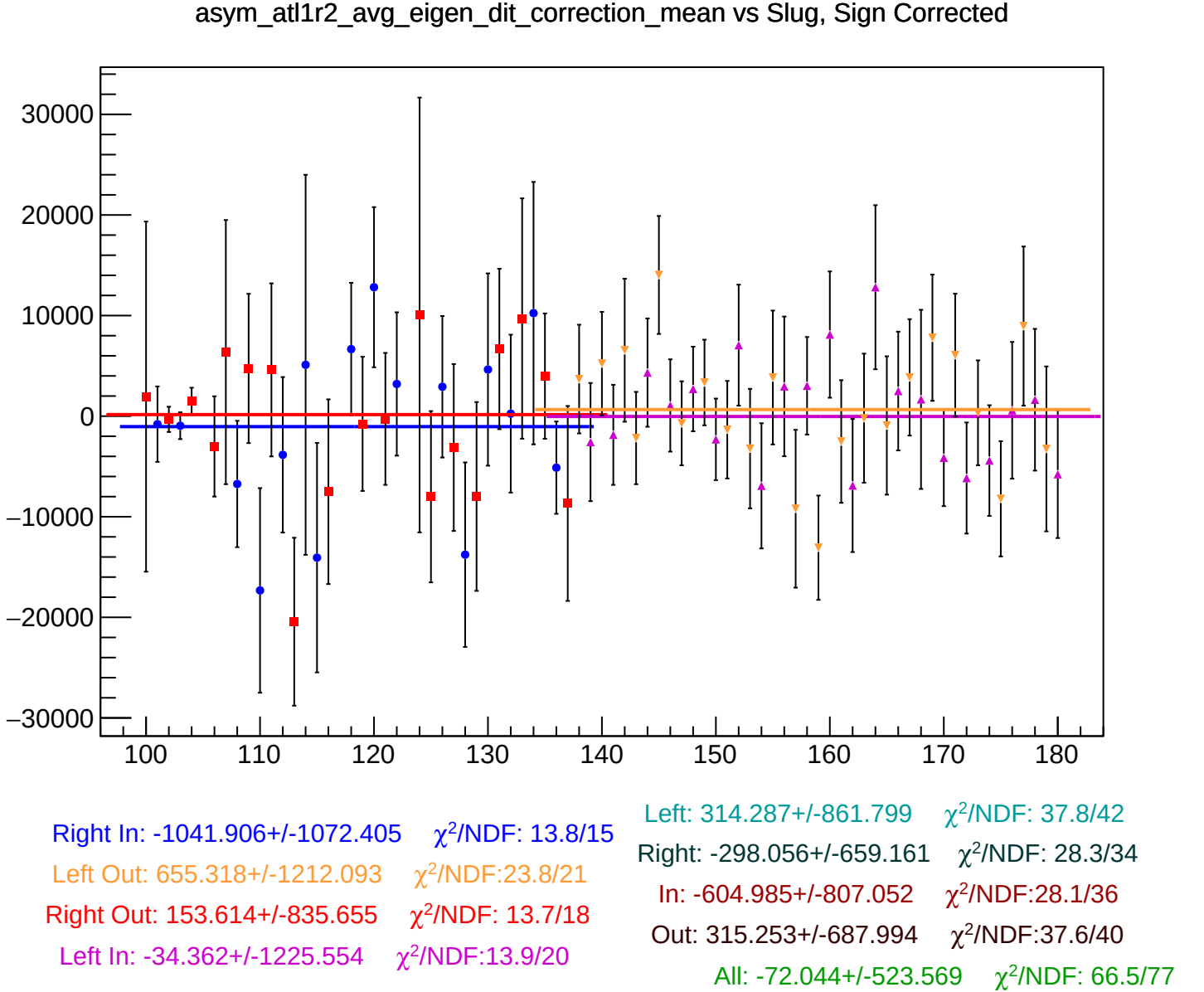
Left: 1733.688+/-0.208 χ^2/NDF: 131998.2/42

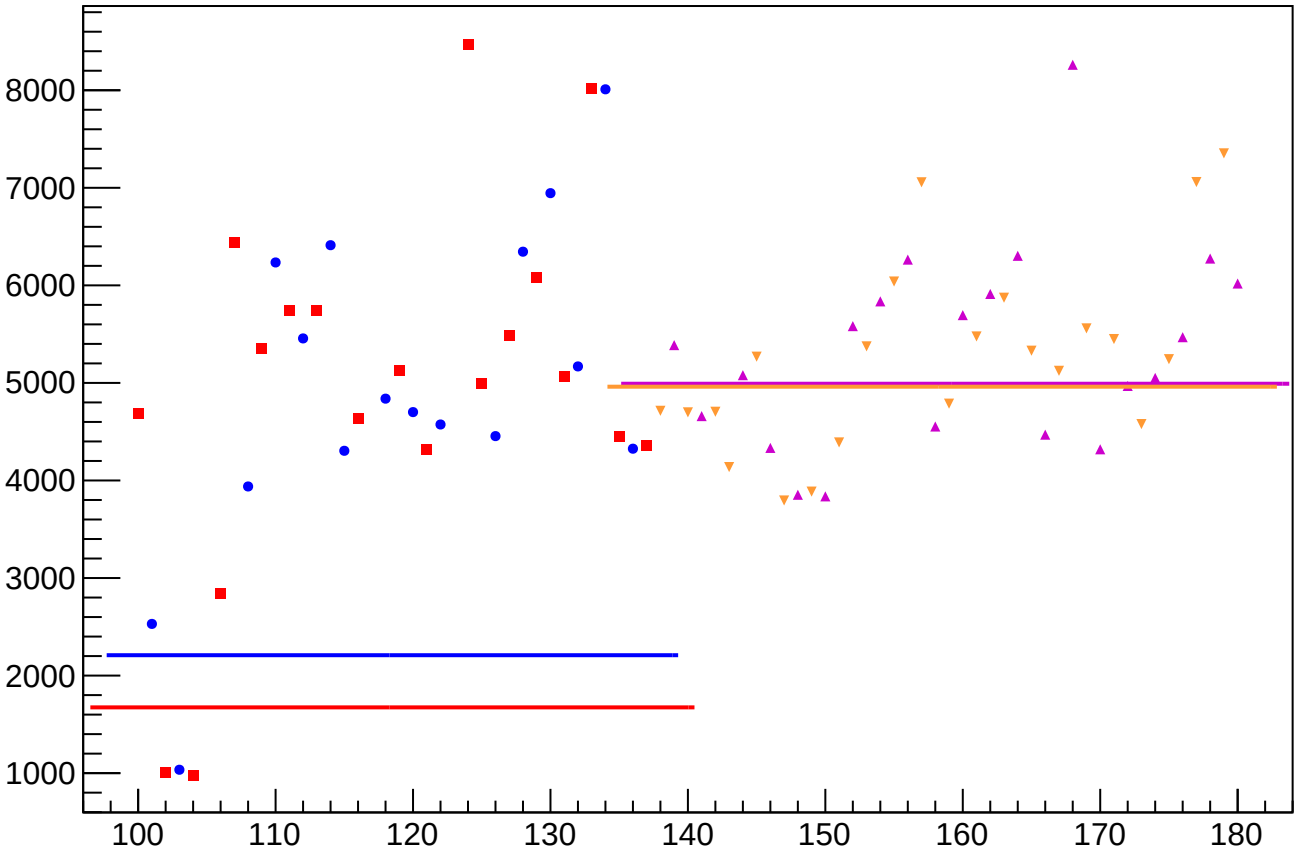
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1789.176+/-0.257 χ^2/NDF:329013.4/36

Out: 1772.740+/-0.253 χ^2/NDF:560358.7/40

All: 1780.854+/-0.180 χ^2/NDF: 891451.0/77


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 655.318+/-1212.093 χ²/NDF:23.8/21
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: -34.362+/-1225.554 χ²/NDF:13.9/20
Left: 314.287+/-861.799 χ²/NDF: 37.8/42
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -604.985+/-807.052 χ²/NDF:28.1/36
Out: 315.253+/-687.994 χ²/NDF:37.6/40
All: -72.044+/-523.569 χ²/NDF: 66.5/77



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4961.248+/-0.857 χ^2/NDF:1020210.0/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4991.576+/-0.867 χ^2/NDF:1076420.1/20

Left: 4976.245+/-0.609 χ^2/NDF: 2097249.3/42

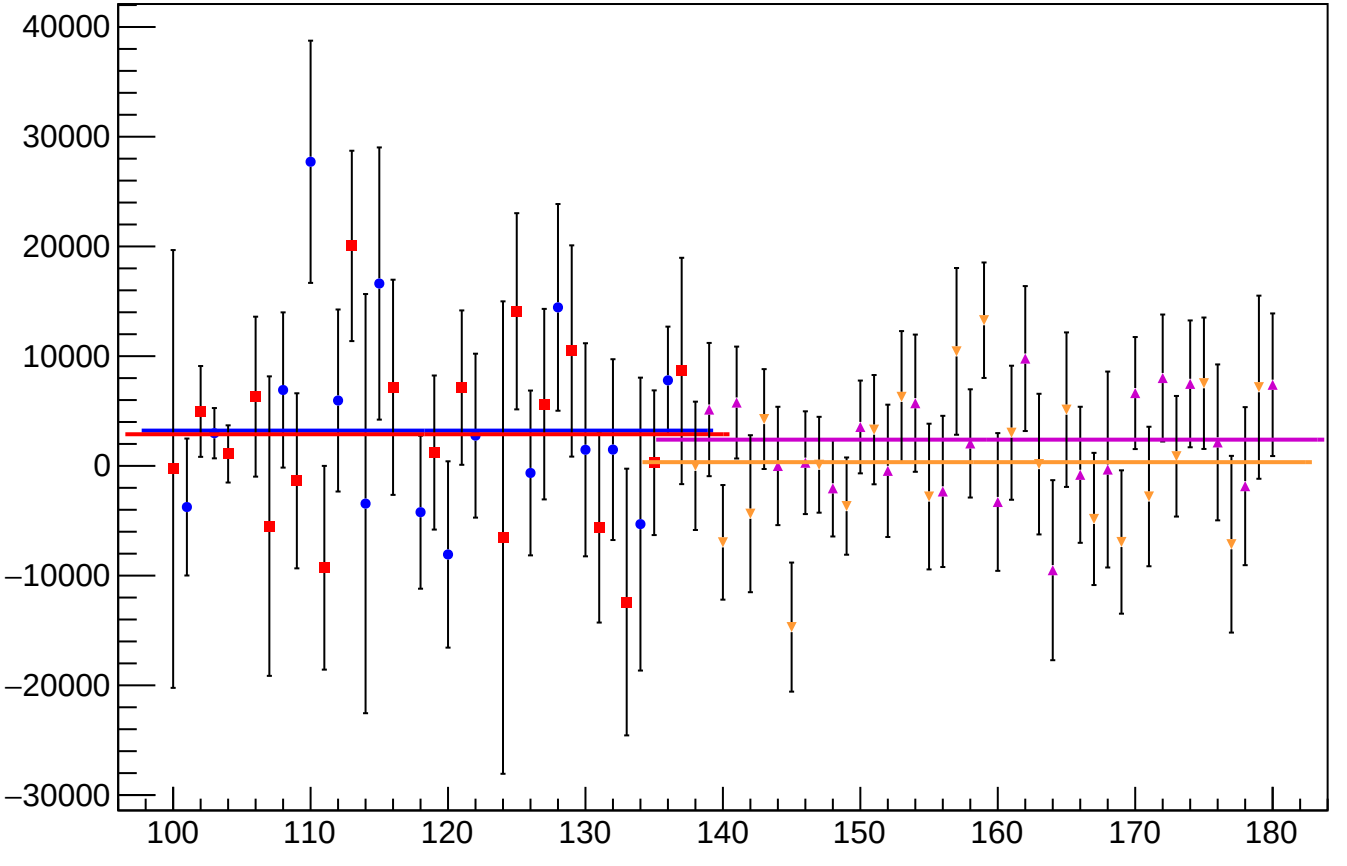
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3415.611+/-0.571 χ^2/NDF:12414880.7/36

Out: 2733.192+/-0.486 χ^2/NDF:17843421.7/40

All: 3020.399+/-0.370 χ^2/NDF: 31086450.1/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 339.938+/-1242.244 χ^2/NDF:25.7/21

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2391.029+/-1258.646 χ^2/NDF:11.0/20

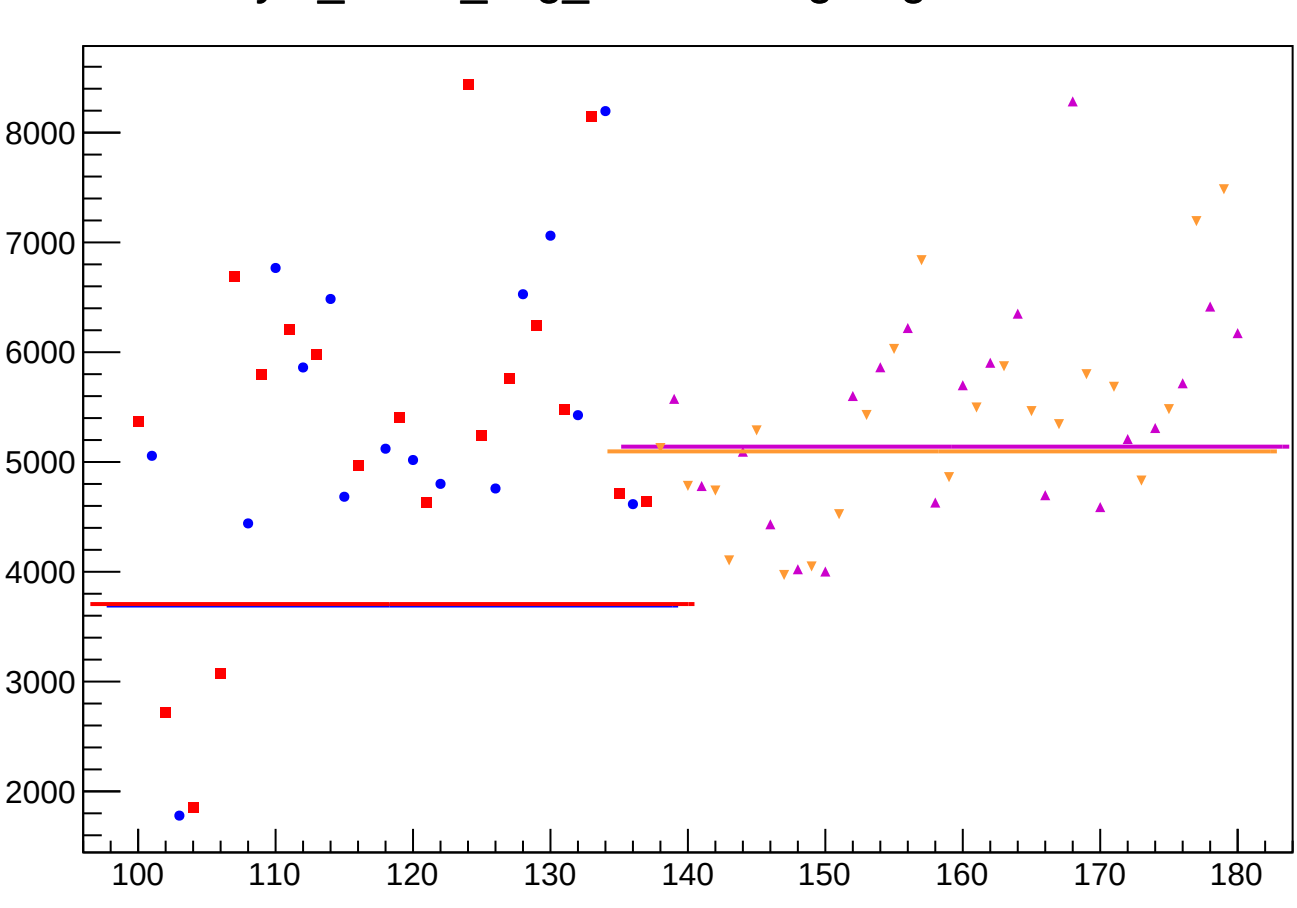
Left: 1352.033+/-884.141 χ^2/NDF: 38.1/42

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2721.476+/-974.371 χ^2/NDF:25.0/36

Out: 1333.047+/-969.863 χ^2/NDF:40.7/40

All: 2024.042+/-687.385 χ^2/NDF: 66.7/77



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5096.652+/-0.878 χ^2/NDF:934438.9/21

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5139.750+/-0.890 χ^2/NDF:945223.2/20

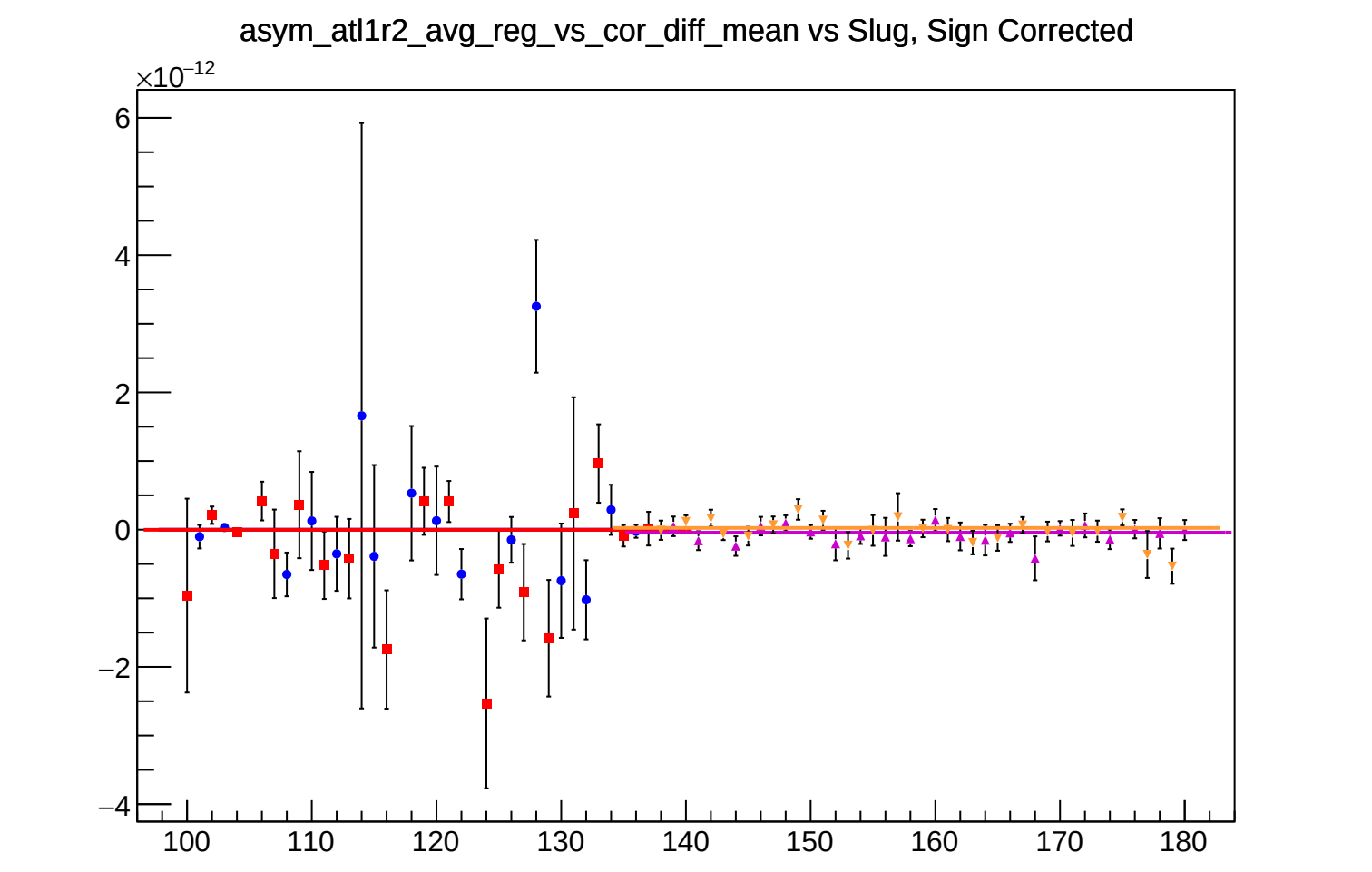
Left: 5117.918+/-0.625 χ^2/NDF: 1880850.0/42

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4559.958+/-0.689 χ^2/NDF:4889999.8/36

Out: 4547.043+/-0.683 χ^2/NDF:4609485.5/40

All: 4553.445+/-0.485 χ^2/NDF: 9499662.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/20

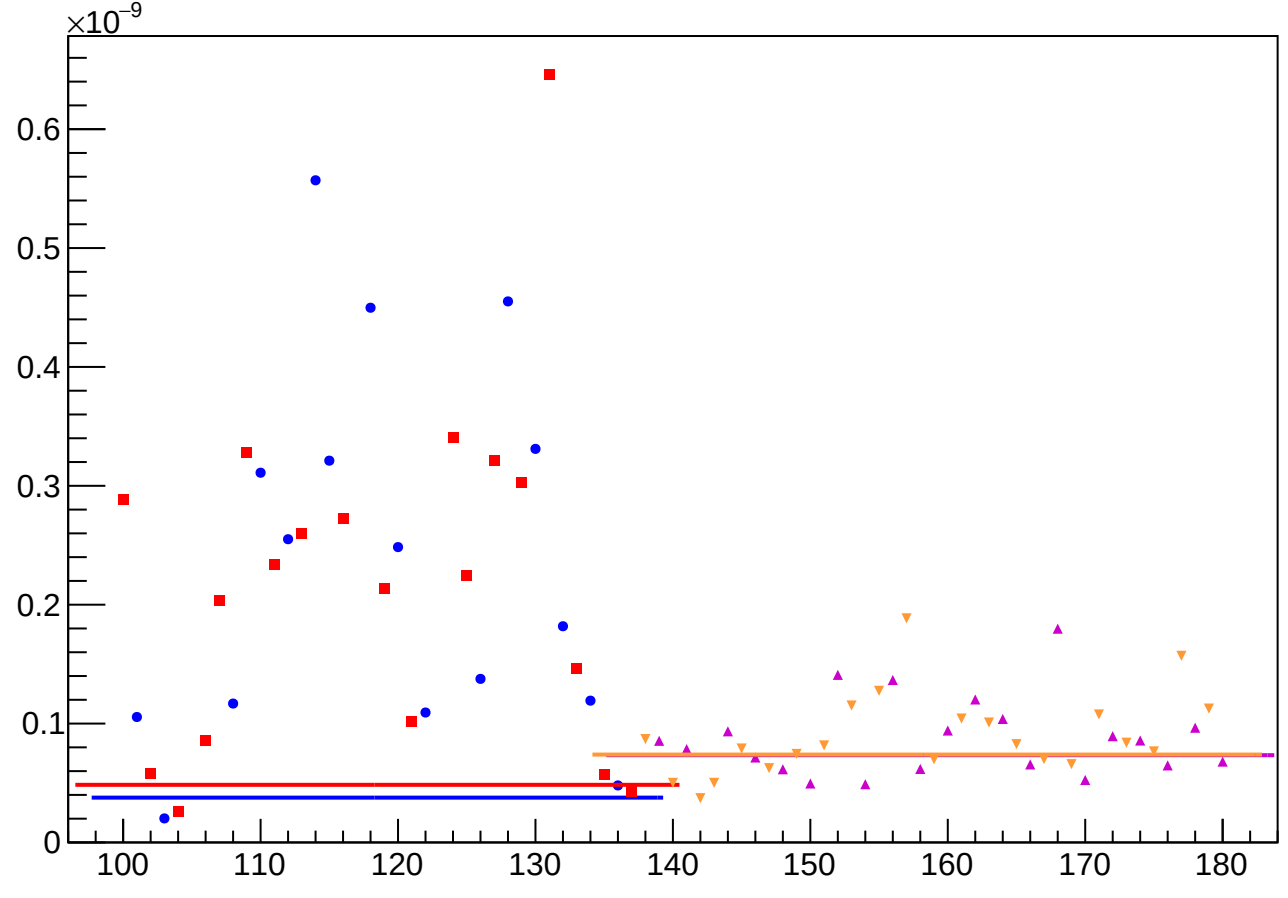
Left: -0.000+/-0.000 χ^2/NDF: 33.5/42

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.8/36

Out: 0.000+/-0.000 χ^2/NDF:48.9/40

All: -0.000+/-0.000 χ^2/NDF: 87.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1277298.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1108137.2/20

Left: 0.000+/-0.000 χ^2/NDF: 2385707.7/42

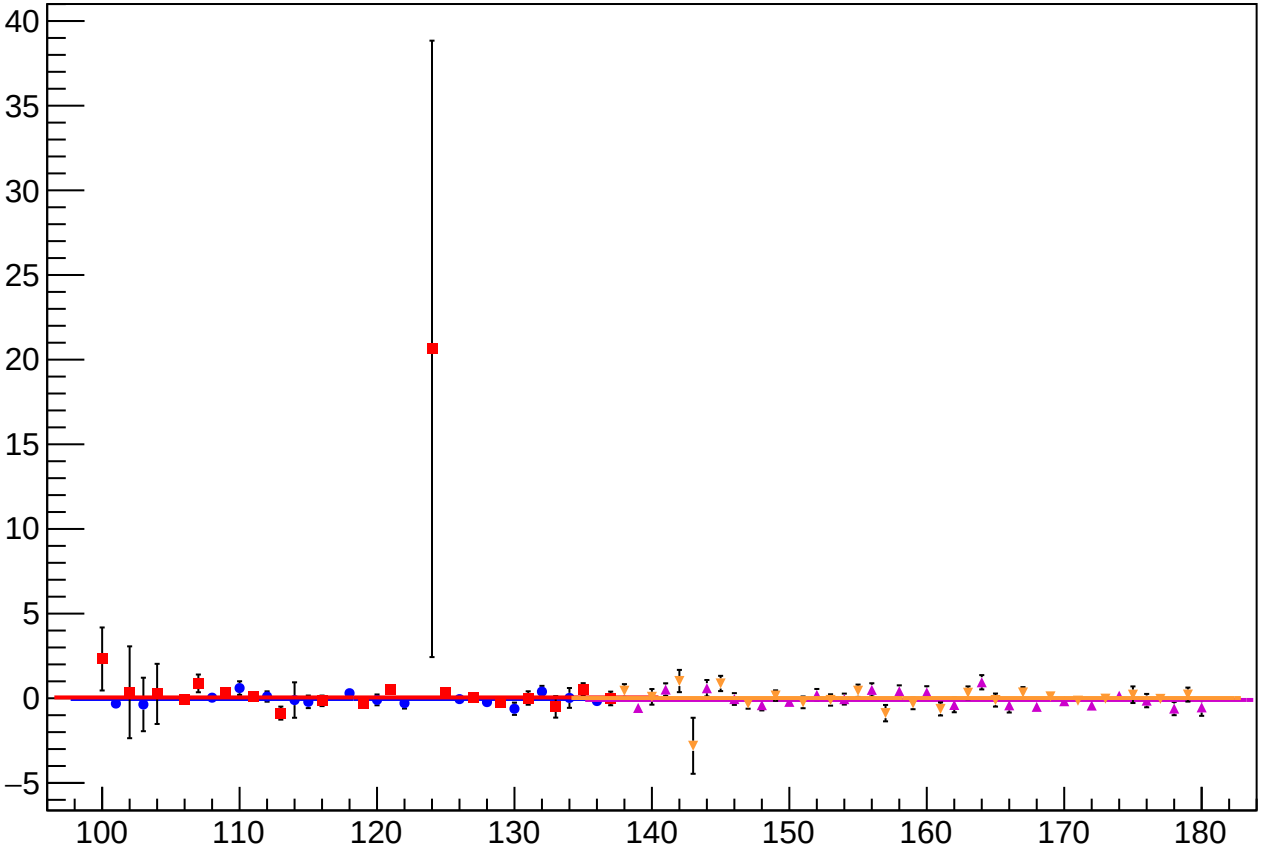
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5351513.0/36

Out: 0.000+/-0.000 χ^2/NDF:4612020.1/40

All: 0.000+/-0.000 χ^2/NDF: 10063931.8/77

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: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.100+/-0.072 χ^2/NDF:30.4/20

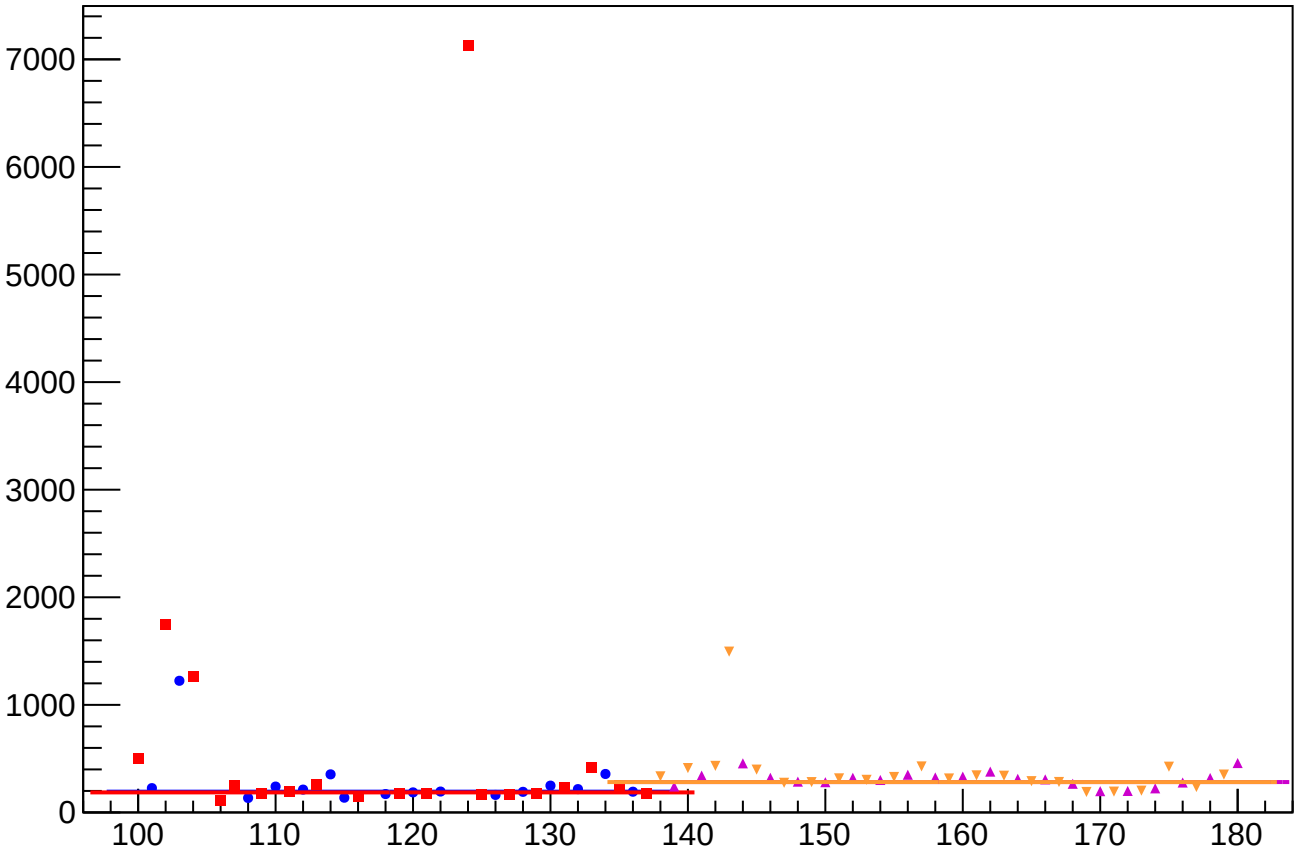
Left: -0.044+/-0.051 χ^2/NDF: 55.2/42

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.073+/-0.053 χ^2/NDF:42.4/36

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.022+/-0.037 χ^2/NDF: 91.0/77



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 282.404+/-0.051 χ^2/NDF:3074560.6/21

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

Left: 282.477+/-0.036 χ^2/NDF: 4675314.8/42

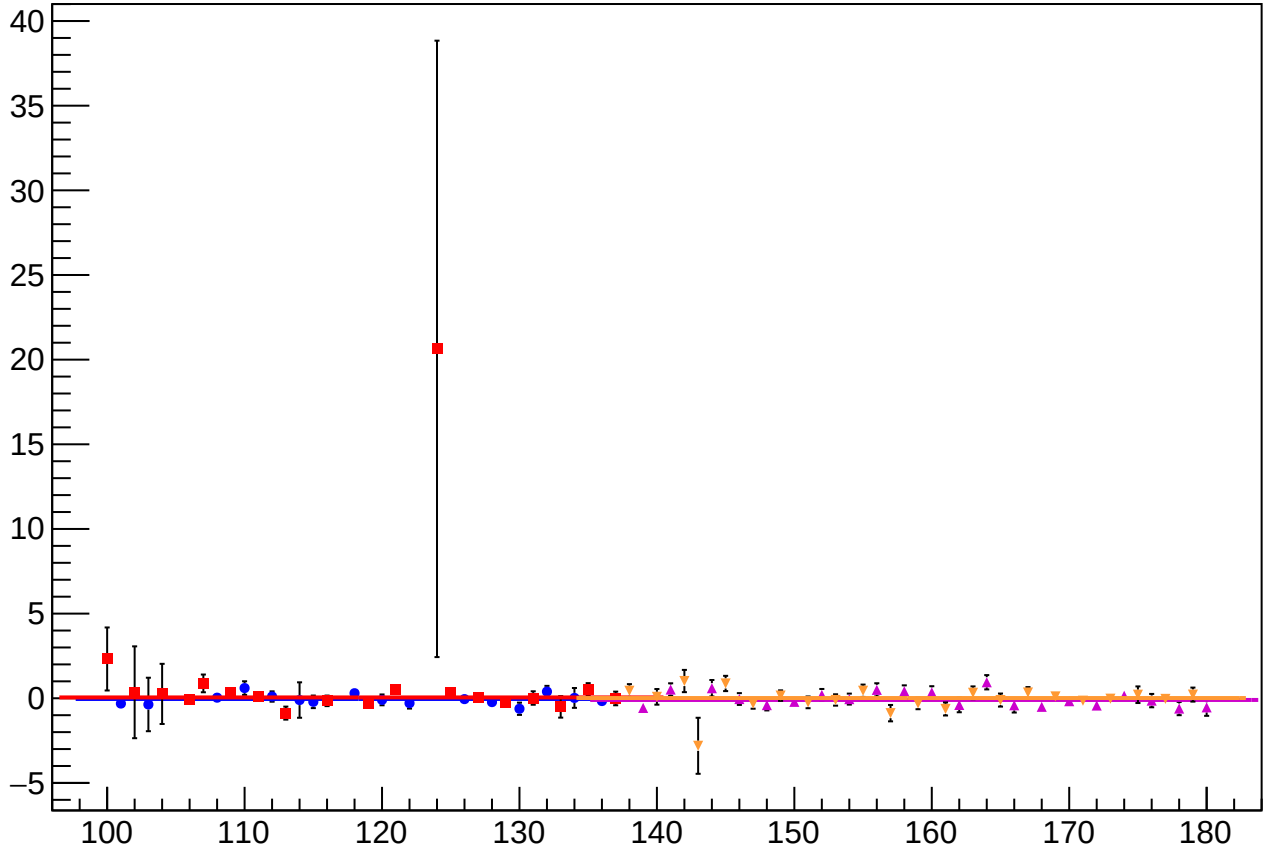
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.561+/-0.037 χ^2/NDF:4436363.0/36

Out: 238.488+/-0.038 χ^2/NDF:7165690.9/40

All: 240.042+/-0.026 χ^2/NDF: 11605419.5/77

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: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.100+/-0.072 χ^2/NDF:30.4/20

Left: -0.044+/-0.051 χ^2/NDF: 55.2/42

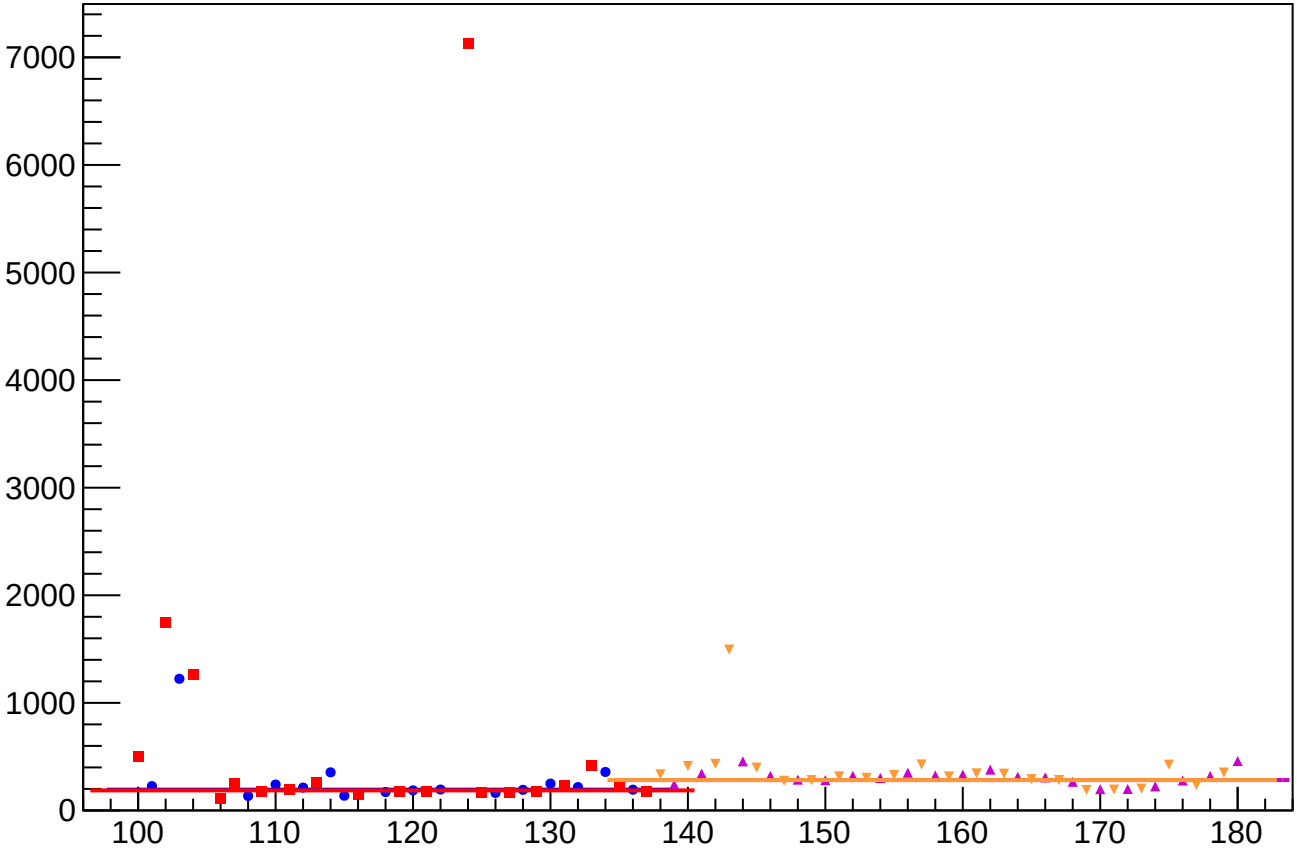
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.073+/-0.053 χ^2/NDF:42.4/36

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.022+/-0.037 χ^2/NDF: 91.0/77

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: 282.404+/-0.051 χ^2/NDF:3074560.6/21

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.548+/-0.051 χ^2/NDF:1600750.2/20

Left: 282.477+/-0.036 χ^2/NDF: 4675314.8/42

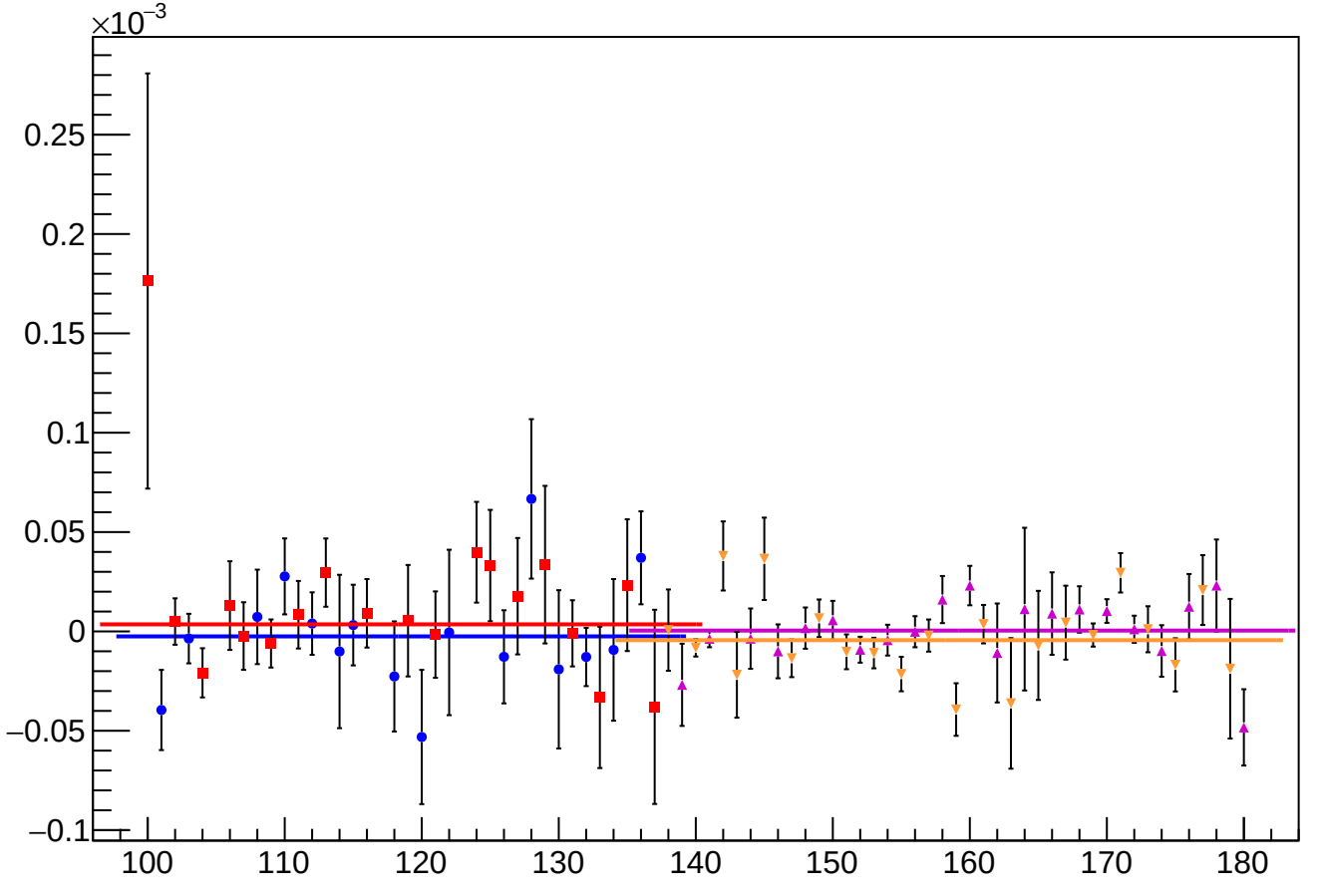
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 241.561+/-0.037 χ^2/NDF:4436363.0/36

Out: 238.488+/-0.038 χ^2/NDF:7165690.9/40

All: 240.042+/-0.026 χ^2/NDF: 11605419.5/77

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:25.7/20

Left: -0.000+/-0.000 χ^2/NDF: 71.1/42

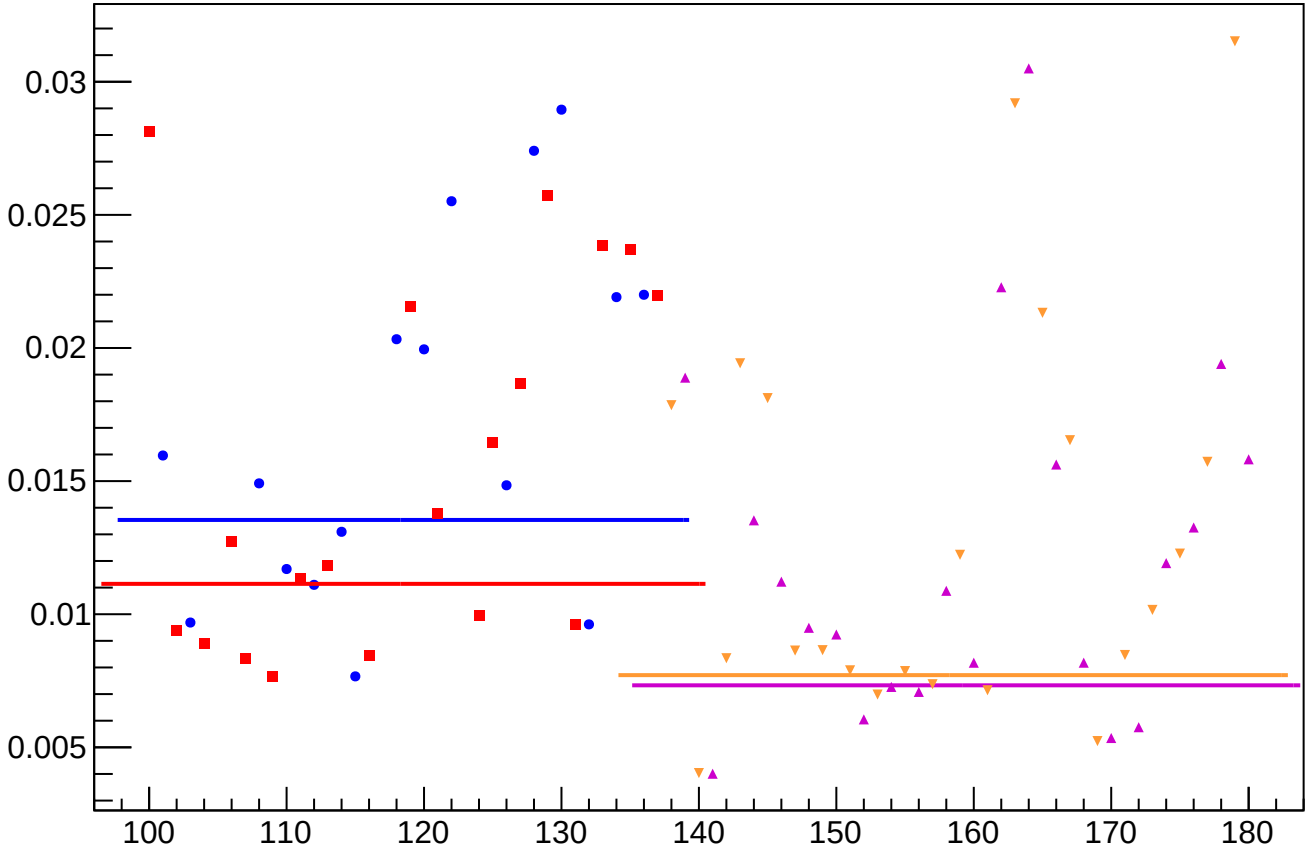
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:41.8/36

Out: -0.000+/-0.000 χ^2/NDF:61.6/40

All: -0.000+/-0.000 χ^2/NDF: 104.7/77

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7113811.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:6233957.4/20

Left: 0.008+/-0.000 χ^2/NDF: 13381206.1/42

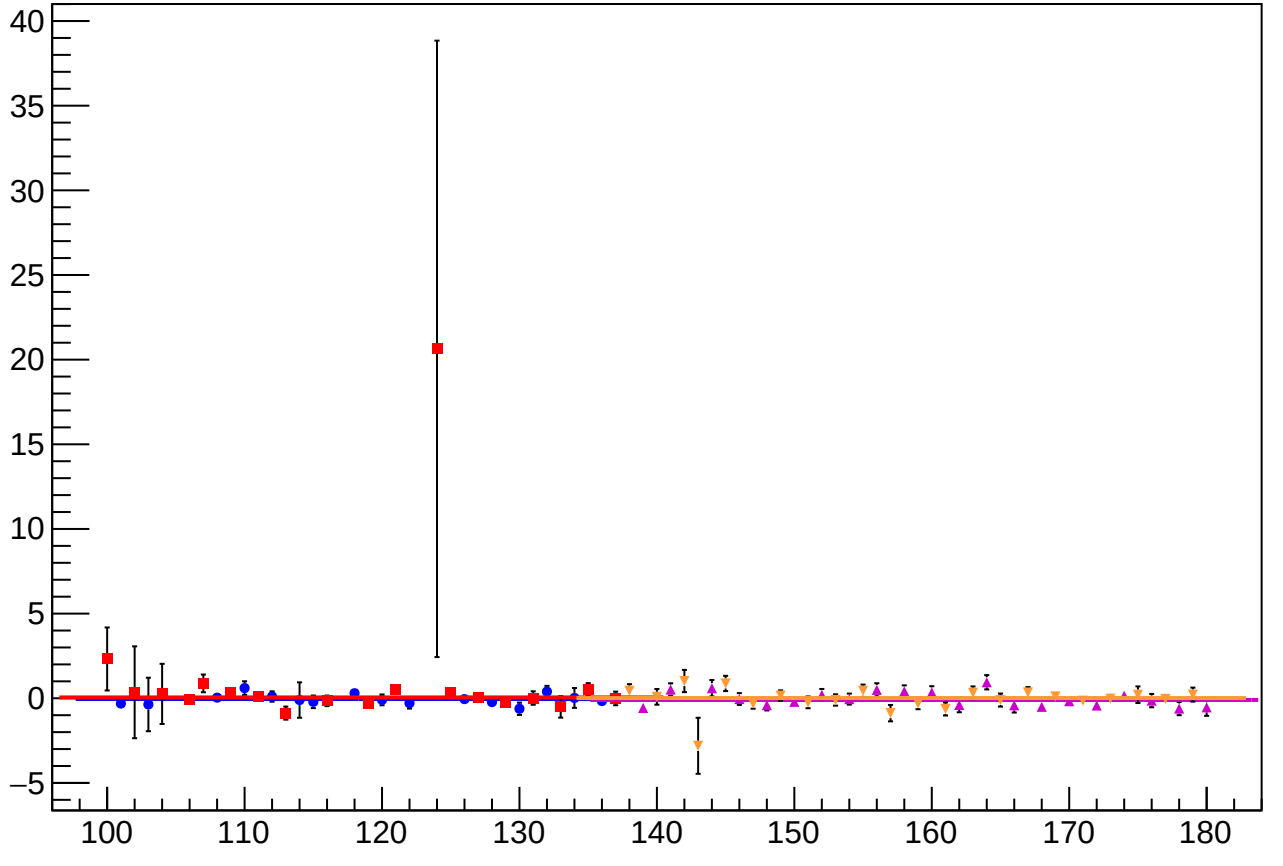
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:10383685.2/36

Out: 0.008+/-0.000 χ^2/NDF:9963159.5/40

All: 0.008+/-0.000 χ^2/NDF: 20362917.5/77

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: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.100+/-0.072 χ^2/NDF:30.4/20

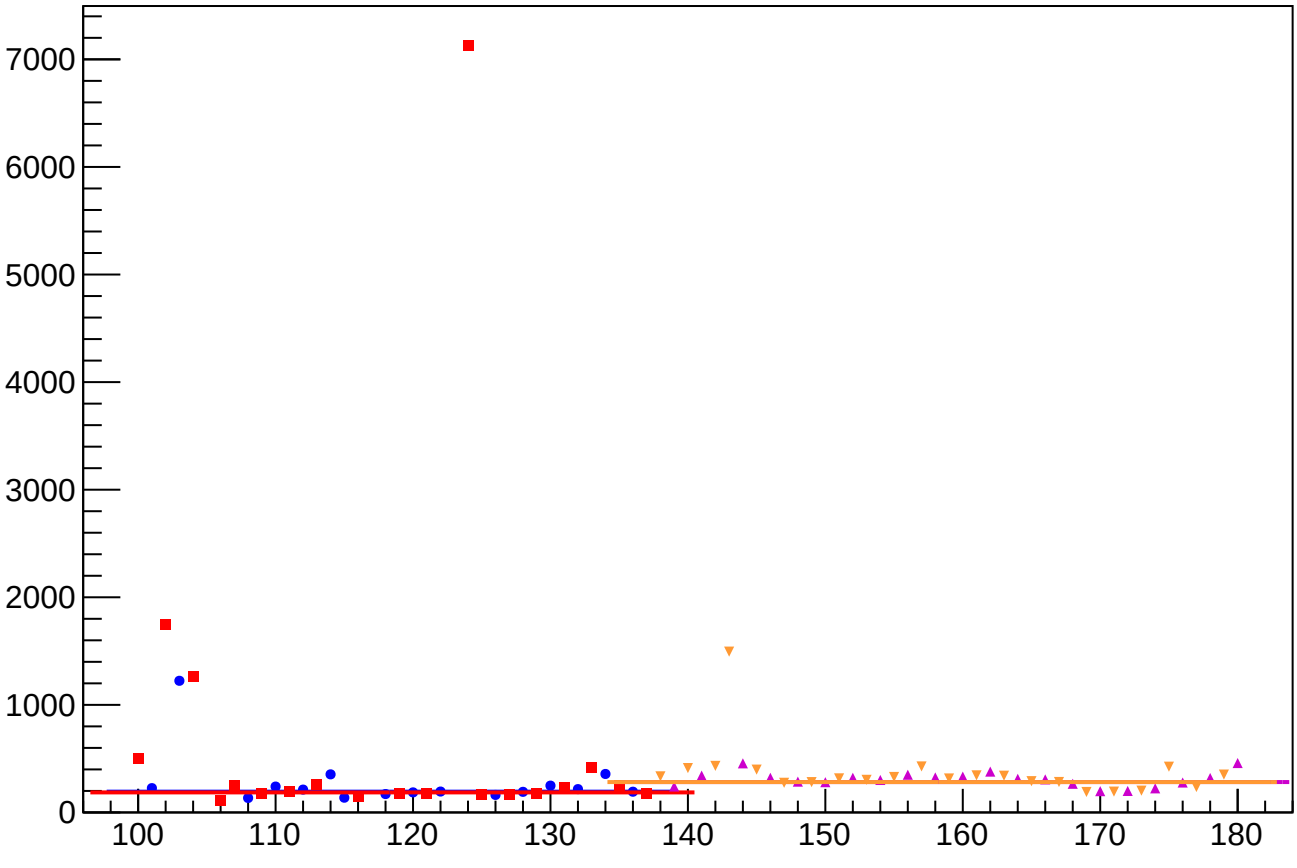
Left: -0.044+/-0.051 χ^2/NDF: 55.2/42

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.073+/-0.053 χ^2/NDF:42.4/36

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.022+/-0.037 χ^2/NDF: 91.0/77



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

Left: 282.479+/-0.036 χ^2/NDF: 4675414.6/42

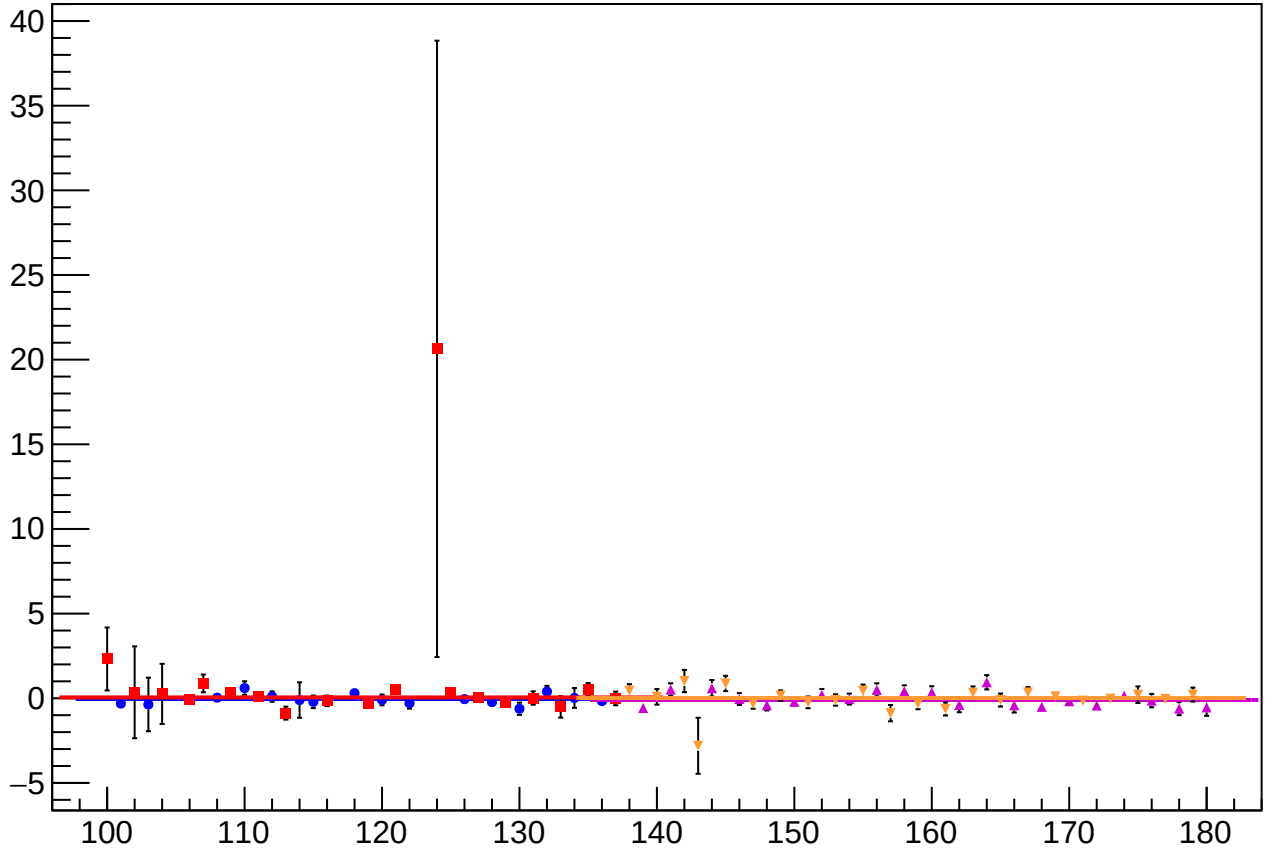
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.561+/-0.037 χ^2/NDF:4436532.6/36

Out: 238.487+/-0.038 χ^2/NDF:7165936.3/40

All: 240.042+/-0.026 χ^2/NDF: 11605835.7/77

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: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.100+/-0.072 χ^2/NDF:30.4/20

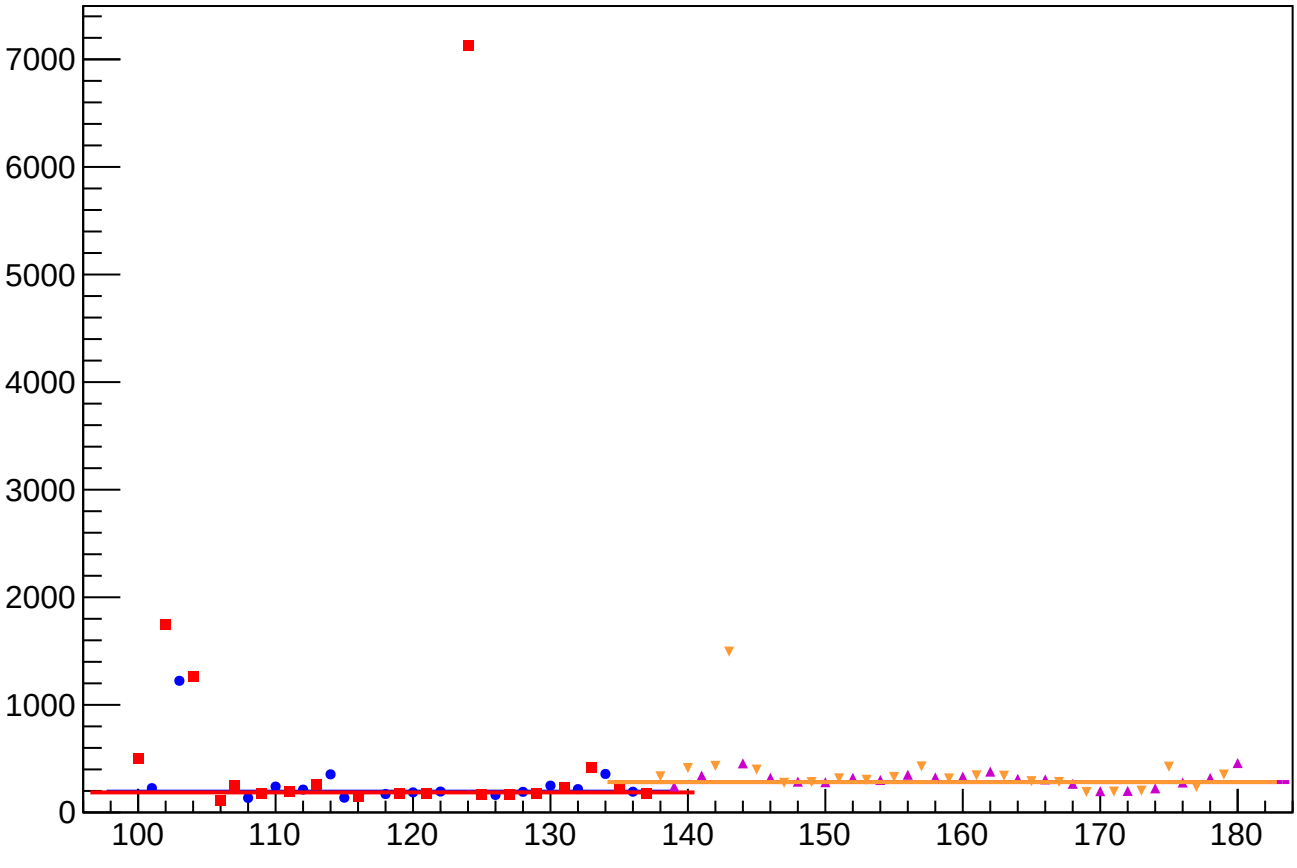
Left: -0.044+/-0.051 χ^2/NDF: 55.2/42

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.073+/-0.053 χ^2/NDF:42.4/36

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.022+/-0.037 χ^2/NDF: 91.0/77



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.550+/-0.051 χ^2/NDF:1600796.9/20

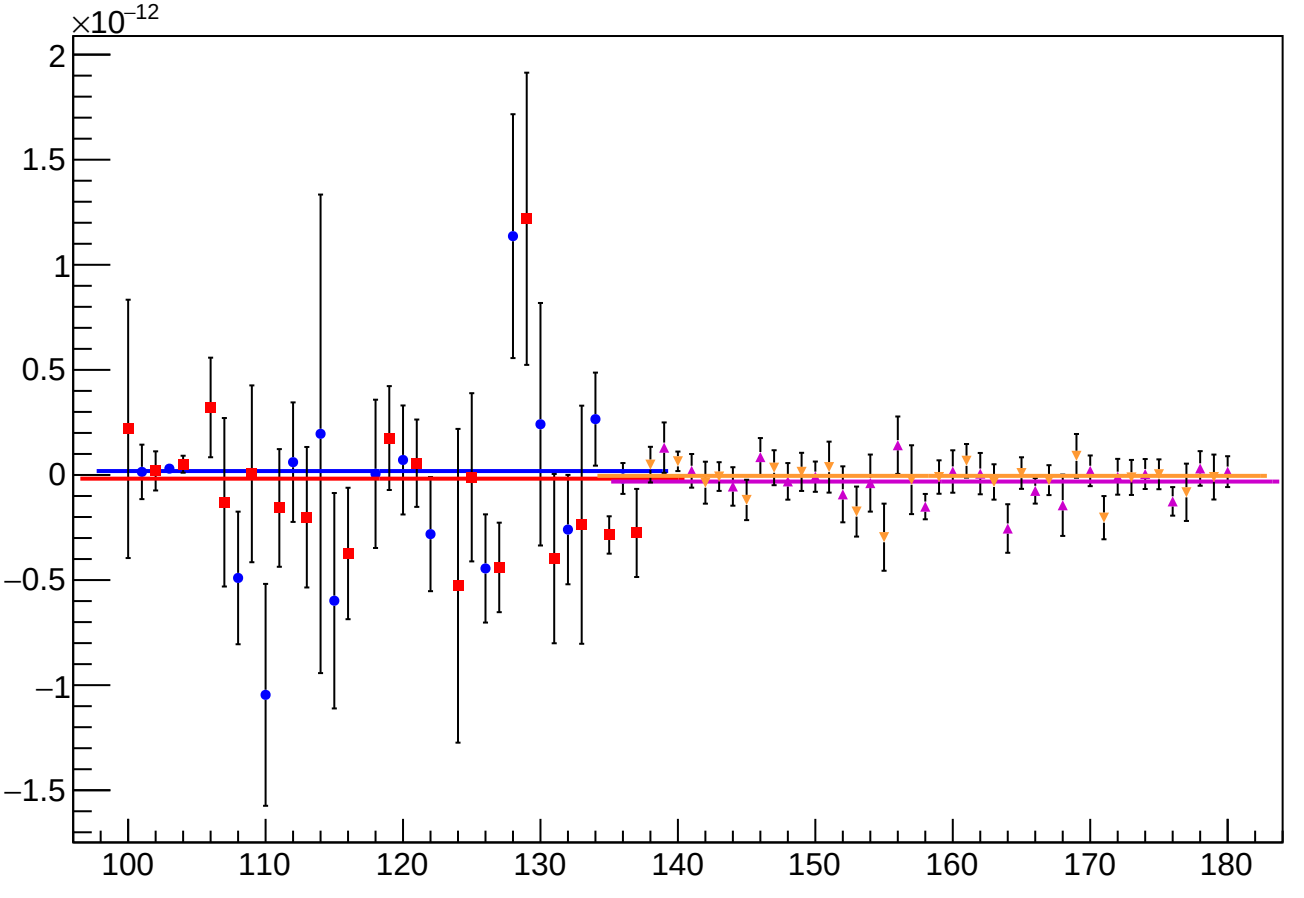
Left: 282.479+/-0.036 χ^2/NDF: 4675414.6/42

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 241.561+/-0.037 χ^2/NDF:4436532.6/36

Out: 238.487+/-0.038 χ^2/NDF:7165936.3/40

All: 240.042+/-0.026 χ^2/NDF: 11605835.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/20

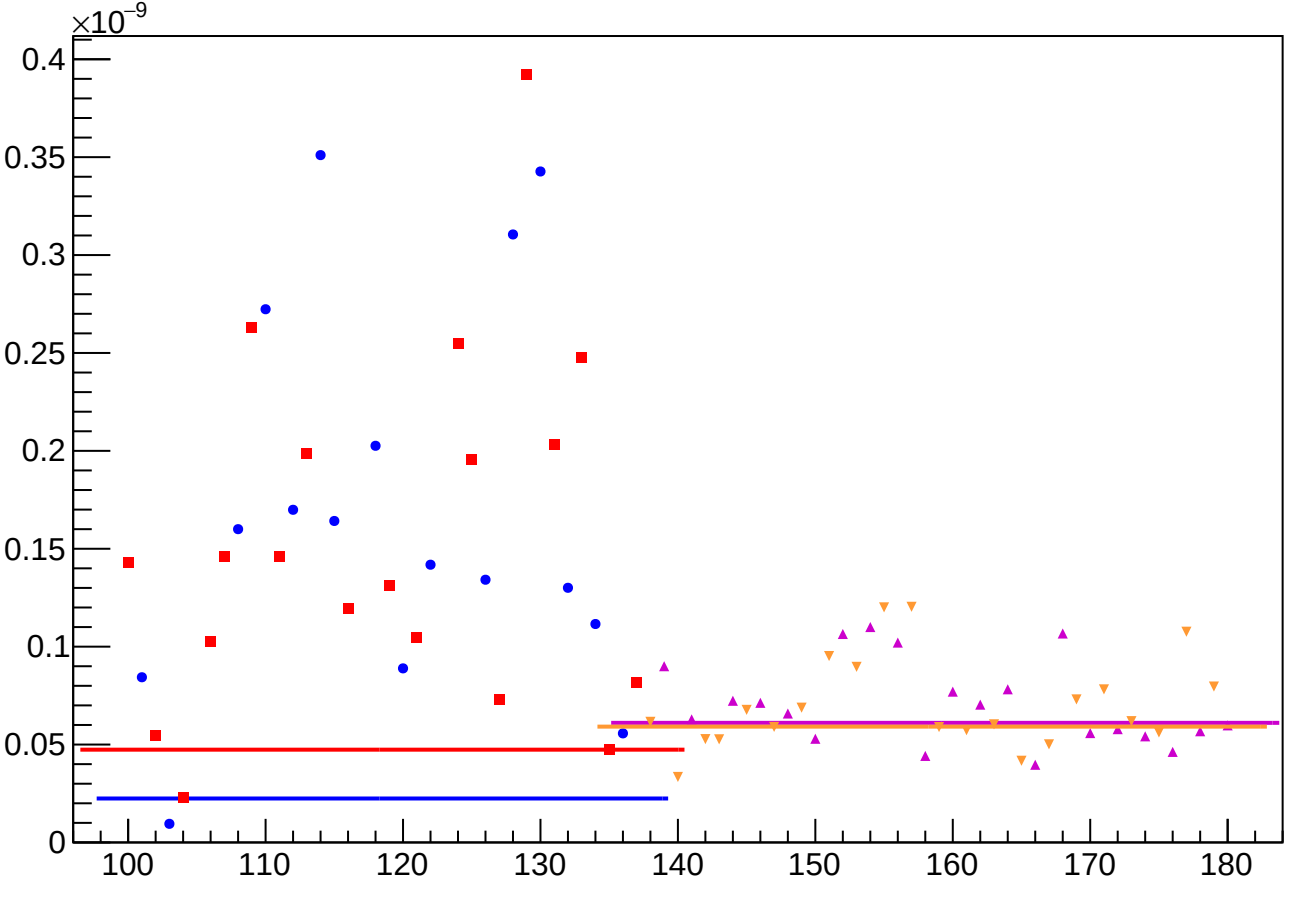
Left: -0.000+/-0.000 χ^2/NDF: 35.7/42

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.4/36

Out: -0.000+/-0.000 χ^2/NDF:43.2/40

All: -0.000+/-0.000 χ^2/NDF: 84.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2136271.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1722689.7/20

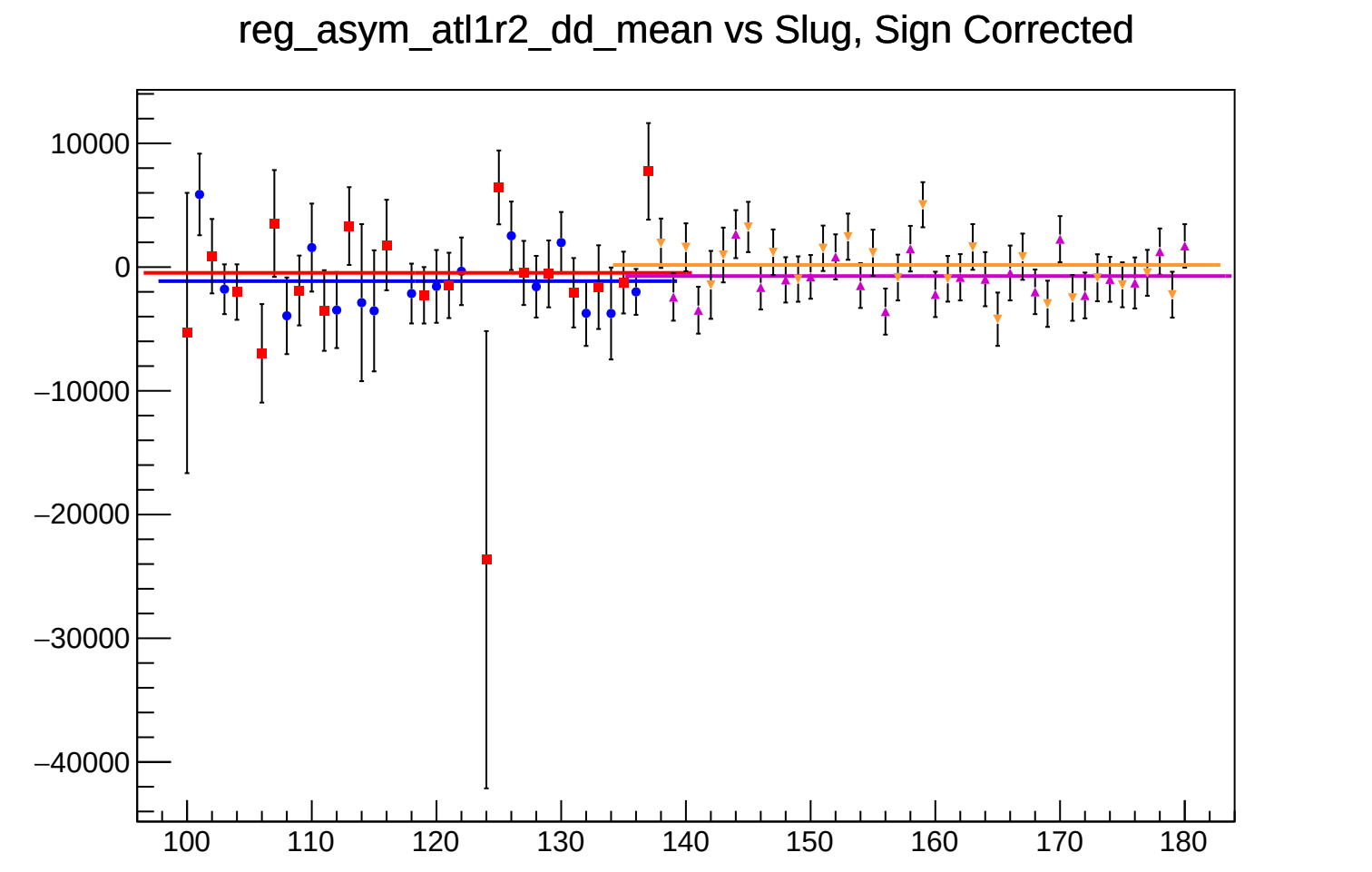
Left: 0.000+/-0.000 χ^2/NDF: 3869965.0/42

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

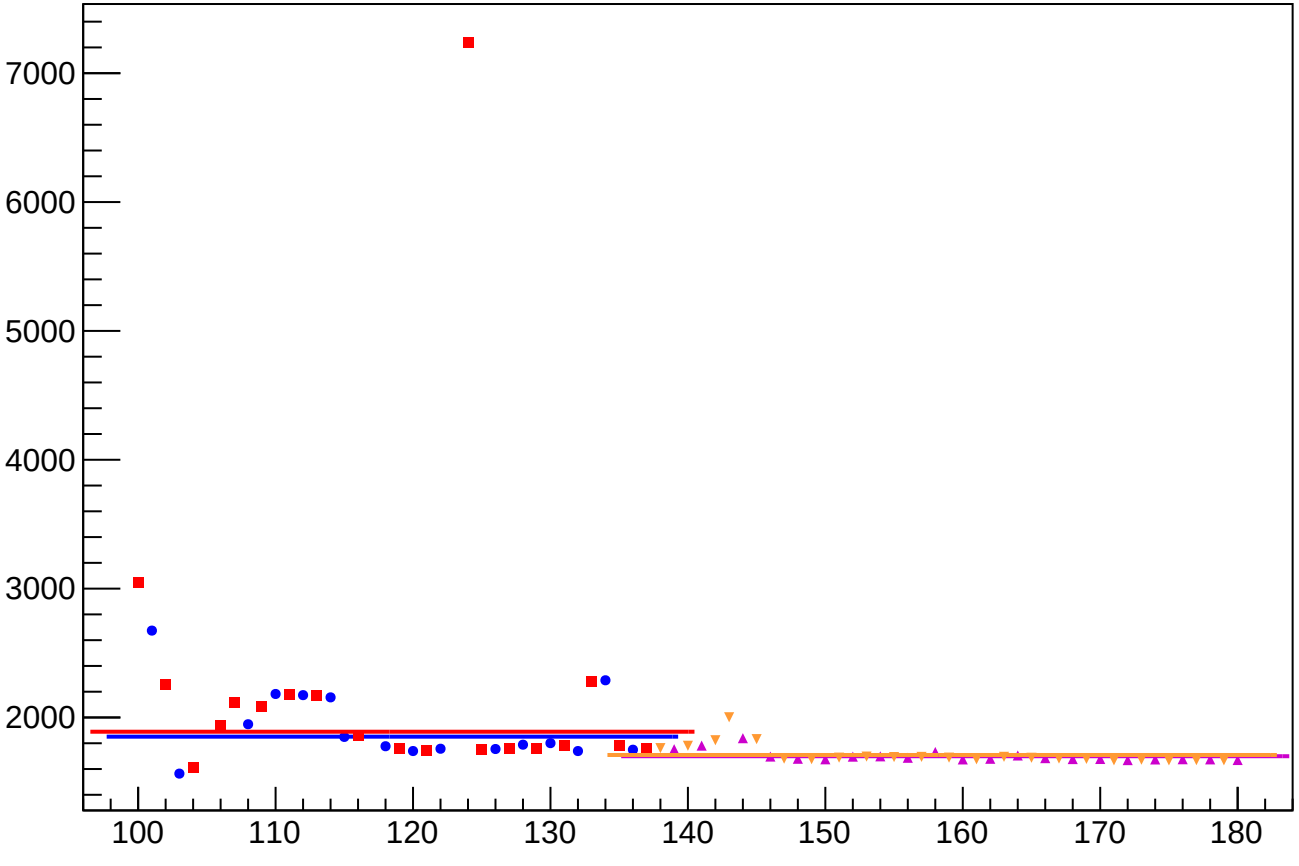
In: 0.000+/-0.000 χ^2/NDF:12013452.4/36

Out: 0.000+/-0.000 χ^2/NDF:6584204.8/40

All: 0.000+/-0.000 χ^2/NDF: 19300407.8/77


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 173.045+/-408.964 χ²/NDF:27.5/21
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -722.626+/-409.217 χ²/NDF:18.6/20
Left: -274.514+/-289.271 χ²/NDF: 48.5/42
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -828.967+/-352.471 χ²/NDF:31.1/36
Out: 12.583+/-353.870 χ²/NDF:48.2/40
All: -409.858+/-249.728 χ²/NDF: 82.1/77

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

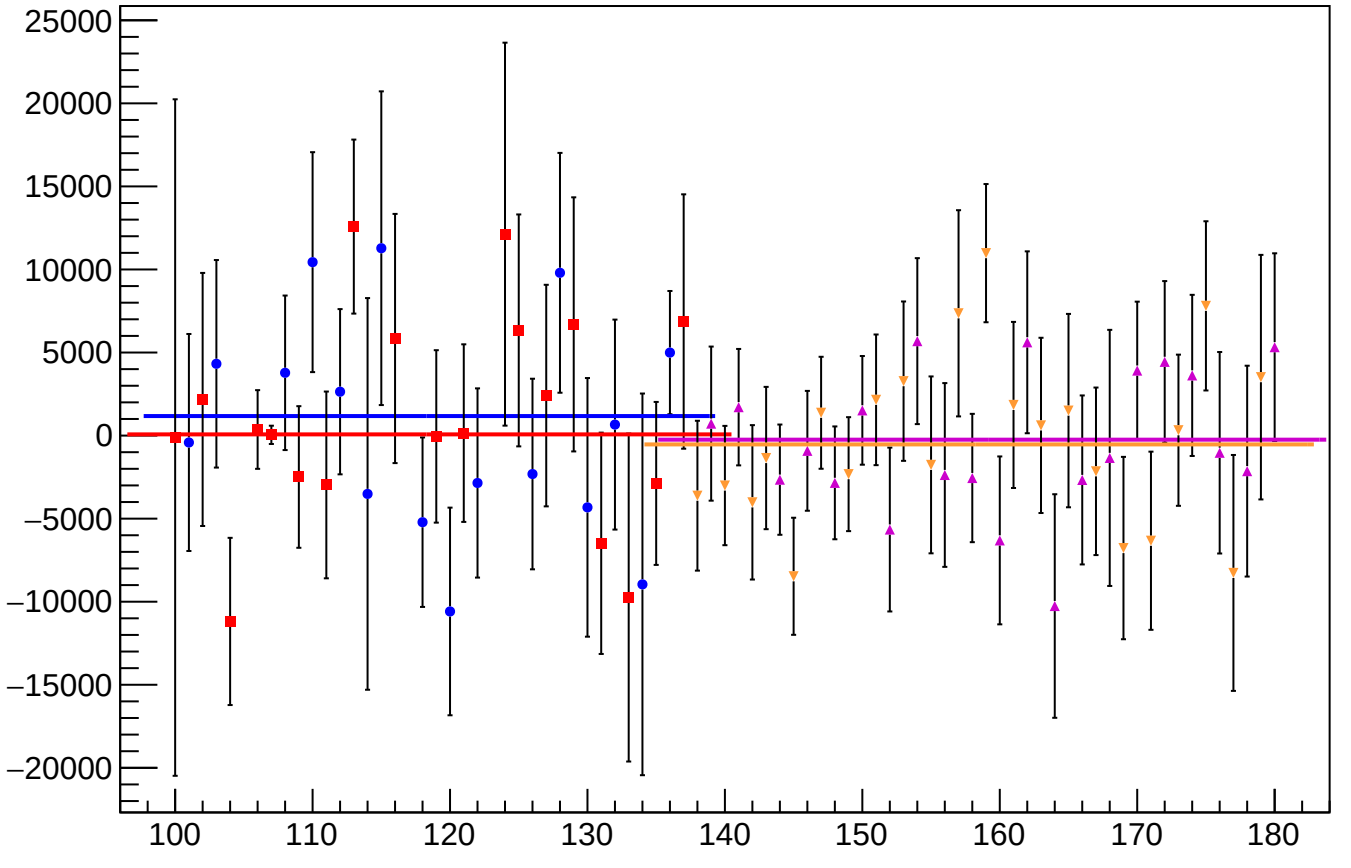
Left: 1704.148+/-0.205 χ^2/NDF: 79542.8/42

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1738.538+/-0.249 χ^2/NDF:351461.2/36

Out: 1754.464+/-0.250 χ^2/NDF:515774.2/40

All: 1746.474+/-0.177 χ^2/NDF: 869270.0/77



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -531.200+/-977.704 χ^2/NDF:24.8/21

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -245.829+/-983.907 χ^2/NDF:13.6/20

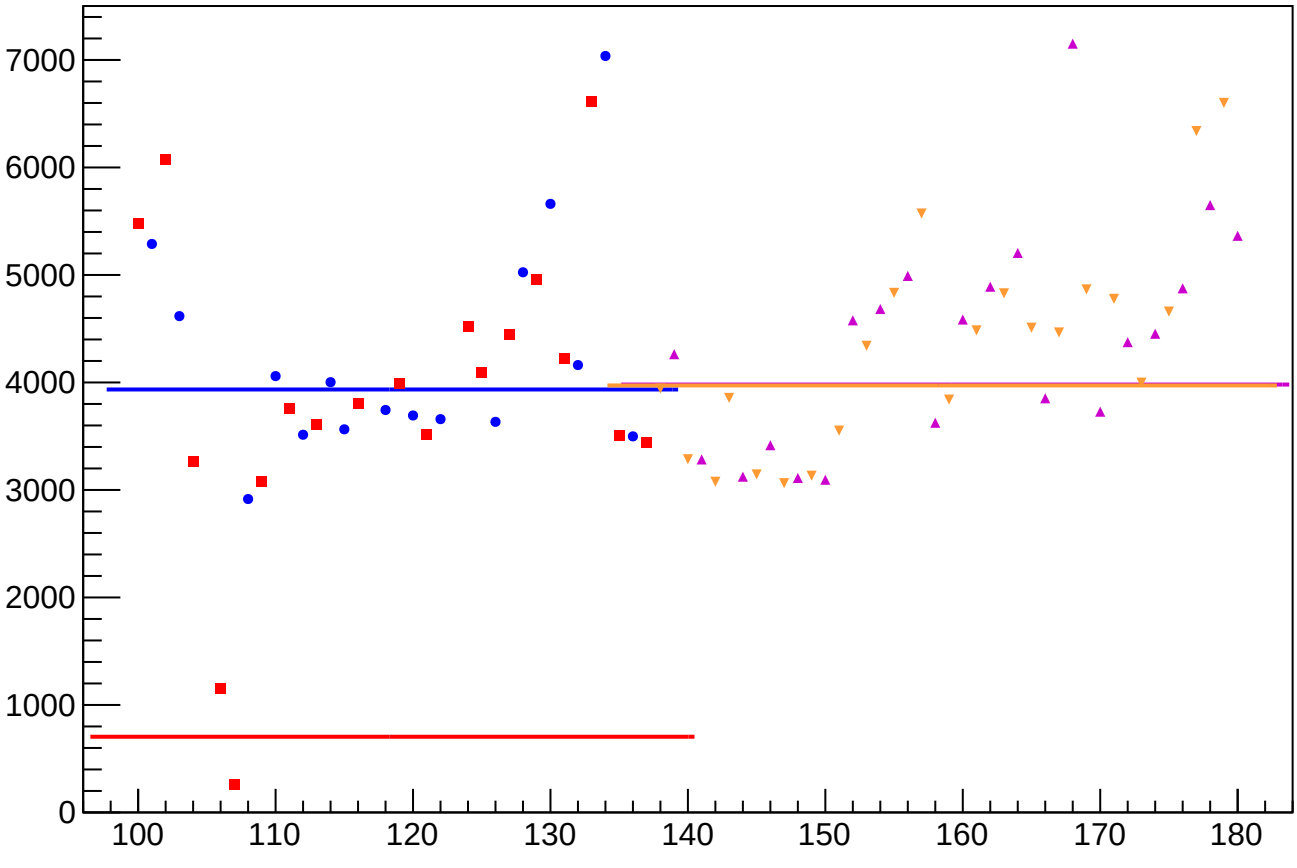
Left: -389.417+/-693.524 χ^2/NDF: 38.5/42

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 180.872+/-823.062 χ^2/NDF:28.0/36

Out: -54.773+/-449.169 χ^2/NDF:43.0/40

All: -0.698+/-394.278 χ^2/NDF: 71.1/77



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3972.246+/-0.691 χ^2/NDF:1468252.0/21

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3980.490+/-0.696 χ^2/NDF:1530233.1/20

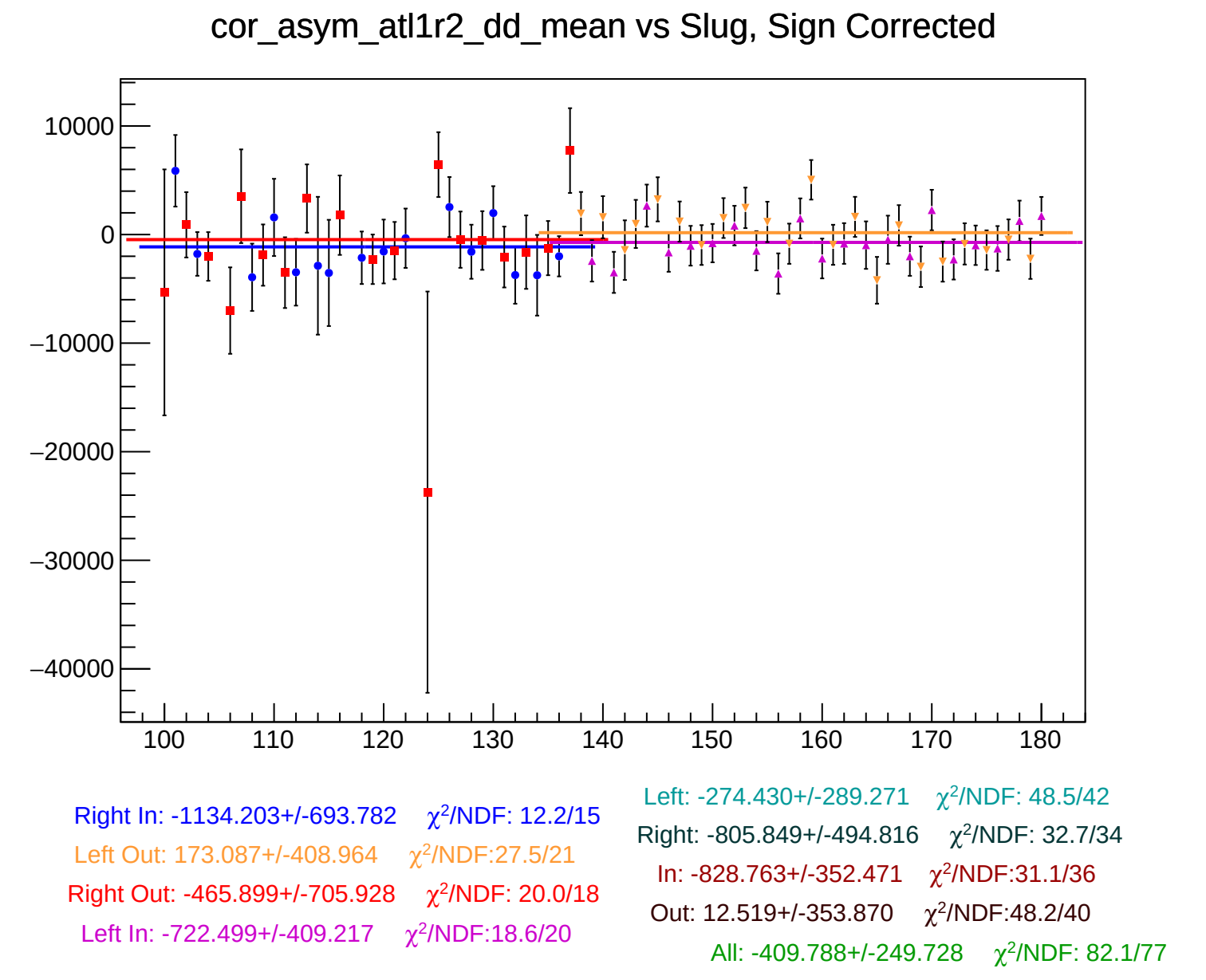
Left: 3976.342+/-0.490 χ^2/NDF: 2998555.8/42

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

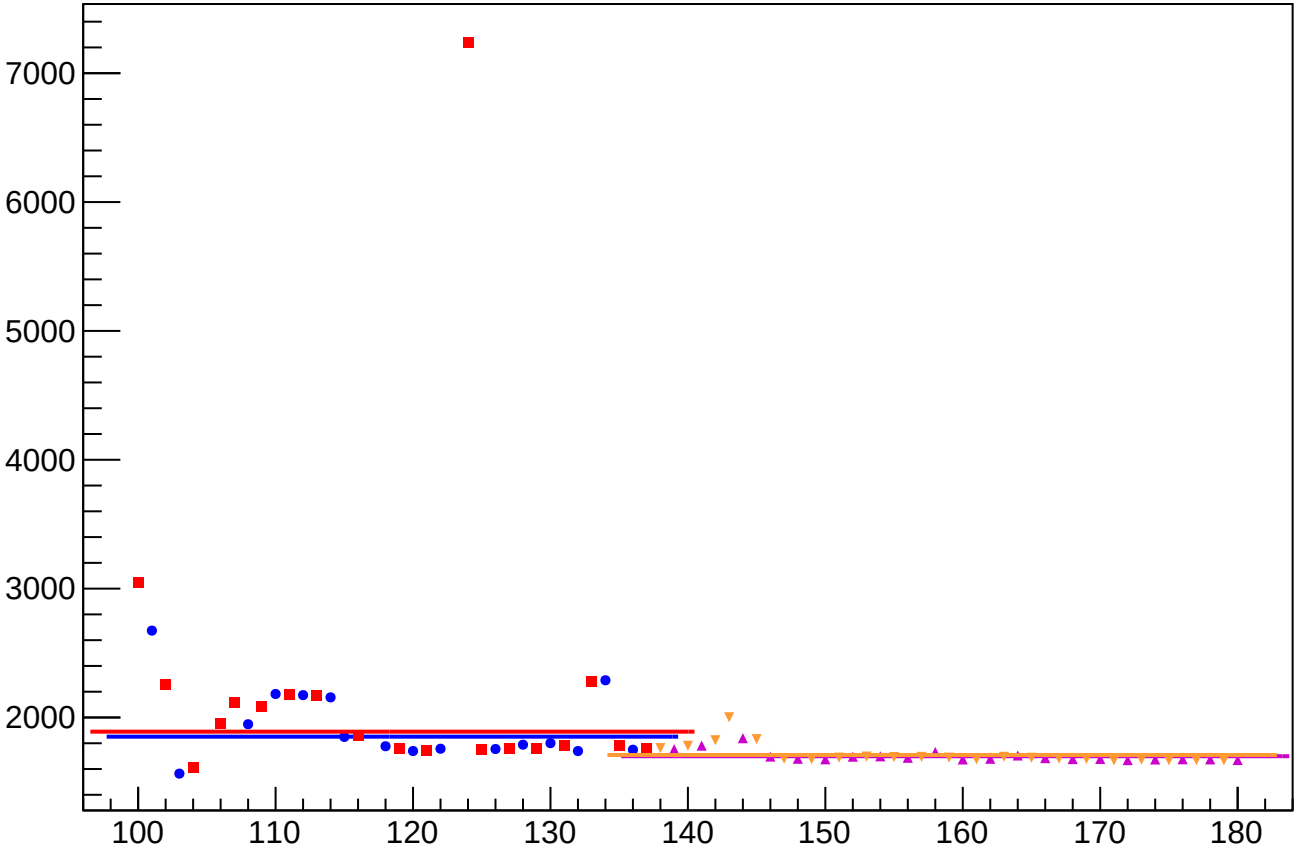
In: 3966.748+/-0.582 χ^2/NDF:2091658.2/36

Out: 1394.097+/-0.318 χ^2/NDF:29714238.6/40

All: 1984.462+/-0.279 χ^2/NDF: 46862006.9/7


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 173.087+/-408.964 χ²/NDF:27.5/21
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -722.499+/-409.217 χ²/NDF:18.6/20
Left: -274.430+/-289.271 χ²/NDF: 48.5/42
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -828.763+/-352.471 χ²/NDF:31.1/36
Out: 12.519+/-353.870 χ²/NDF:48.2/40
All: -409.788+/-249.728 χ²/NDF: 82.1/77

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

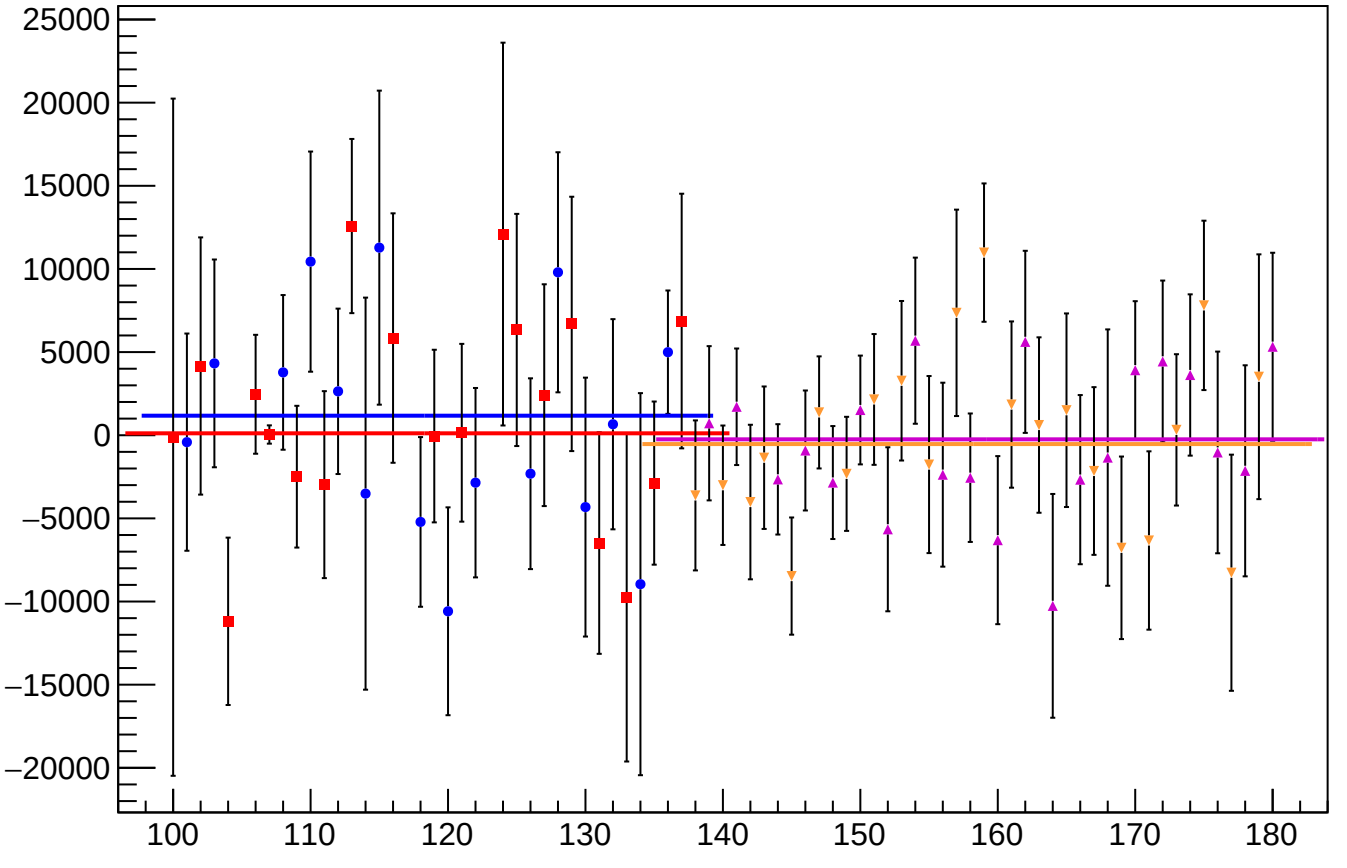
Left: 1704.148+/-0.205 χ^2/NDF: 79542.8/42

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1738.538+/-0.249 χ^2/NDF:351460.7/36

Out: 1754.564+/-0.250 χ^2/NDF:516460.1/40

All: 1746.524+/-0.177 χ^2/NDF: 869981.0/77



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -531.211+/-977.702 χ^2/NDF:24.8/21

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -245.760+/-983.906 χ^2/NDF:13.6/20

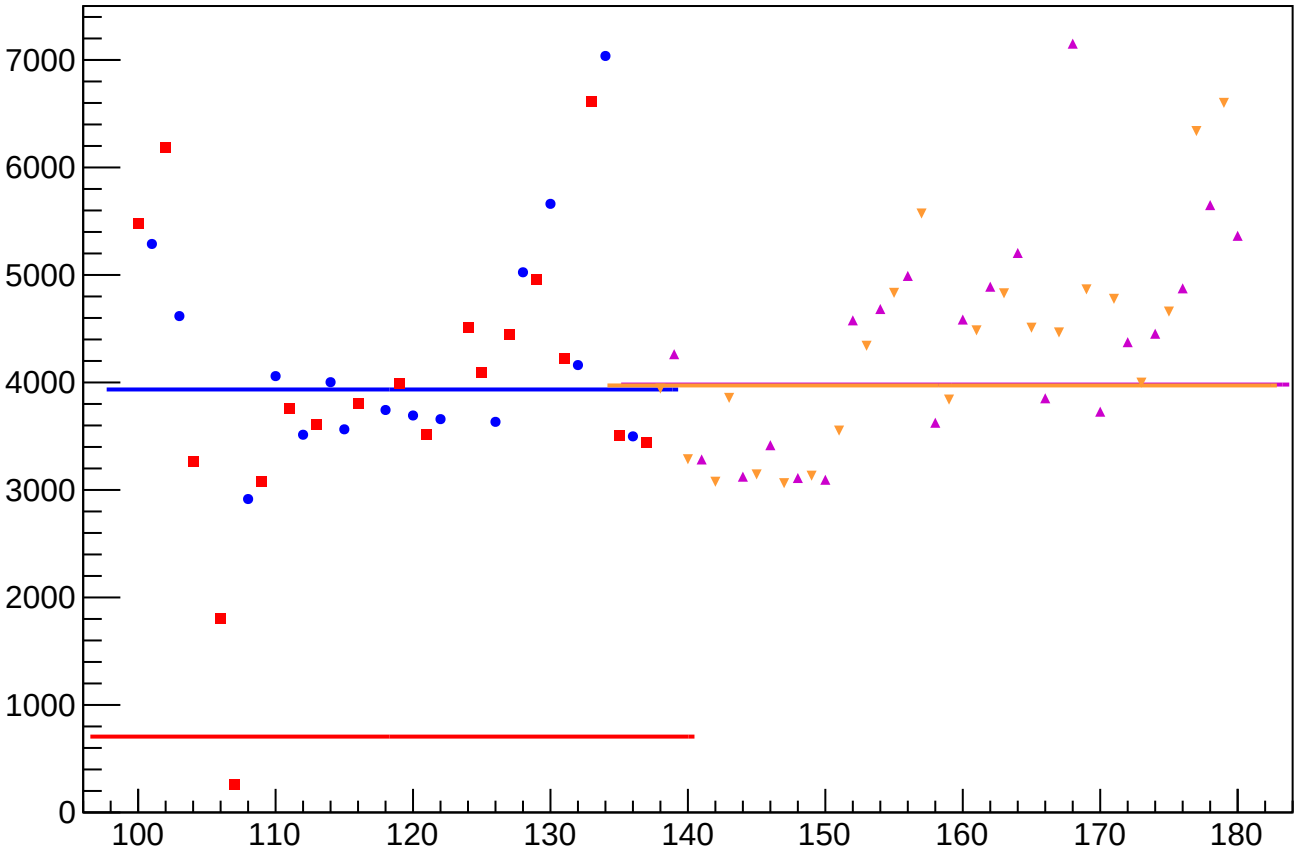
Left: -389.388+/-693.523 χ^2/NDF: 38.5/42

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 180.911+/-823.062 χ^2/NDF:28.0/36

Out: -23.480+/-453.771 χ^2/NDF:43.7/40

All: 24.164+/-397.380 χ^2/NDF: 71.7/77



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

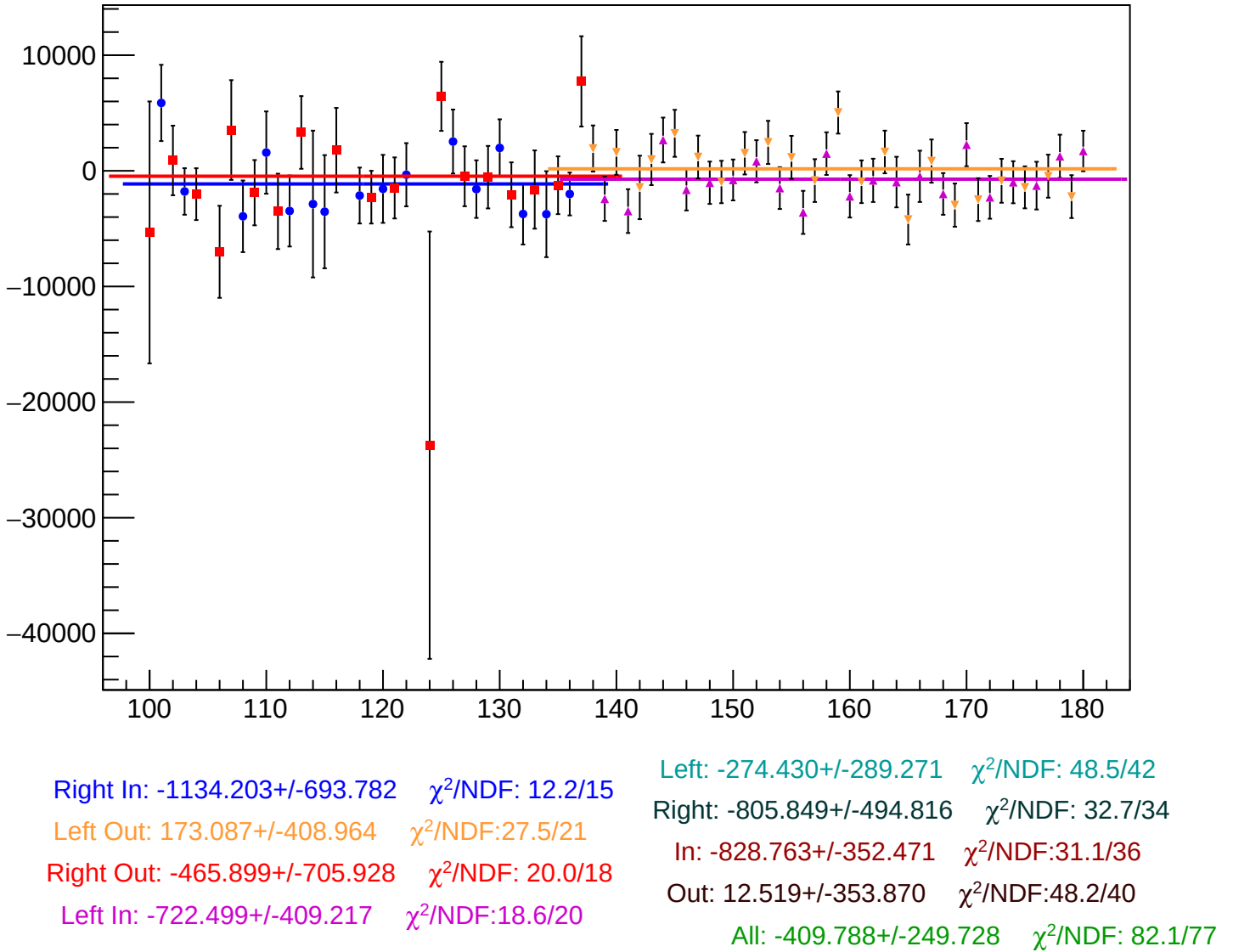
Left: 3976.337+/-0.490 χ^2/NDF: 2998554.6/42

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3966.750+/-0.582 χ^2/NDF:2091665.3/36

Out: 1409.274+/-0.321 χ^2/NDF:29732378.3/40

All: 2005.428+/-0.281 χ^2/NDF: 46633024.3/7


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
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−30000
−40000
100
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120
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140
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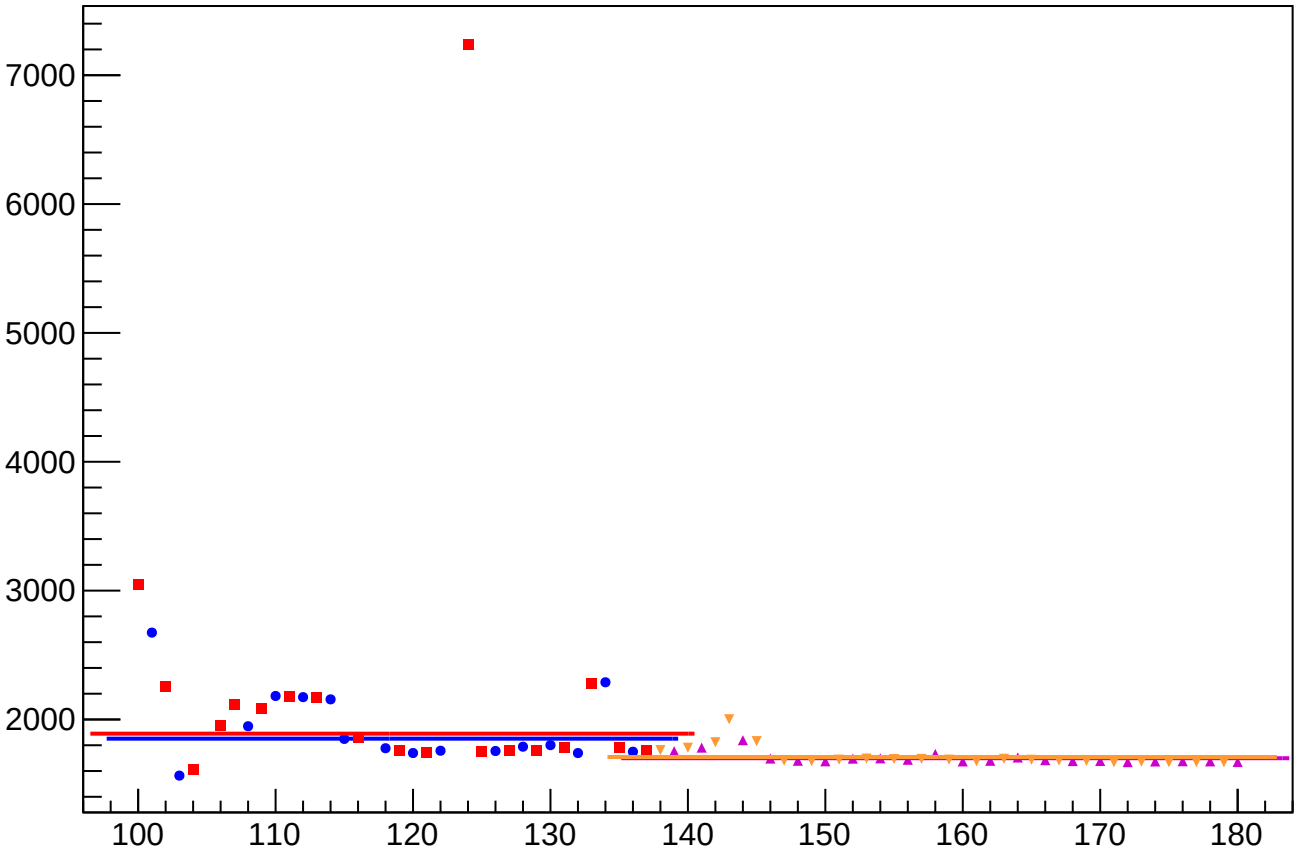
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 173.087+/-408.964 χ²/NDF:27.5/21
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -722.499+/-409.217 χ²/NDF:18.6/20
Left: -274.430+/-289.271 χ²/NDF: 48.5/42
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -828.763+/-352.471 χ²/NDF:31.1/36
Out: 12.519+/-353.870 χ²/NDF:48.2/40
All: -409.788+/-249.728 χ²/NDF: 82.1/77



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1699.367+/-0.289 χ^2/NDF:20479.3/20

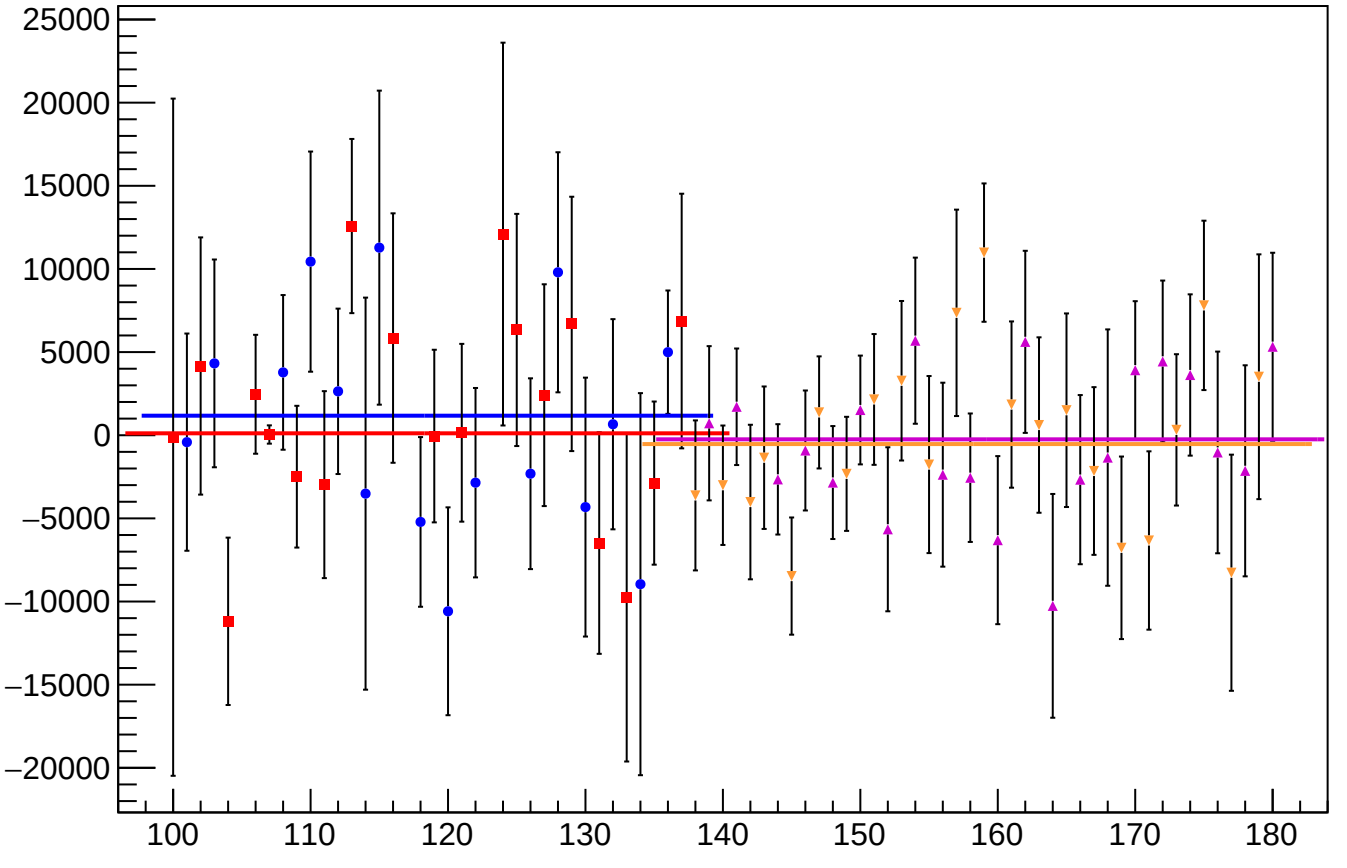
Left: 1704.148+/-0.205 χ^2/NDF: 79542.8/42

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1738.538+/-0.249 χ^2/NDF:351460.7/36

Out: 1754.564+/-0.250 χ^2/NDF:516460.1/40

All: 1746.524+/-0.177 χ^2/NDF: 869981.0/77



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -531.211+/-977.702 χ^2/NDF:24.8/21

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -245.760+/-983.906 χ^2/NDF:13.6/20

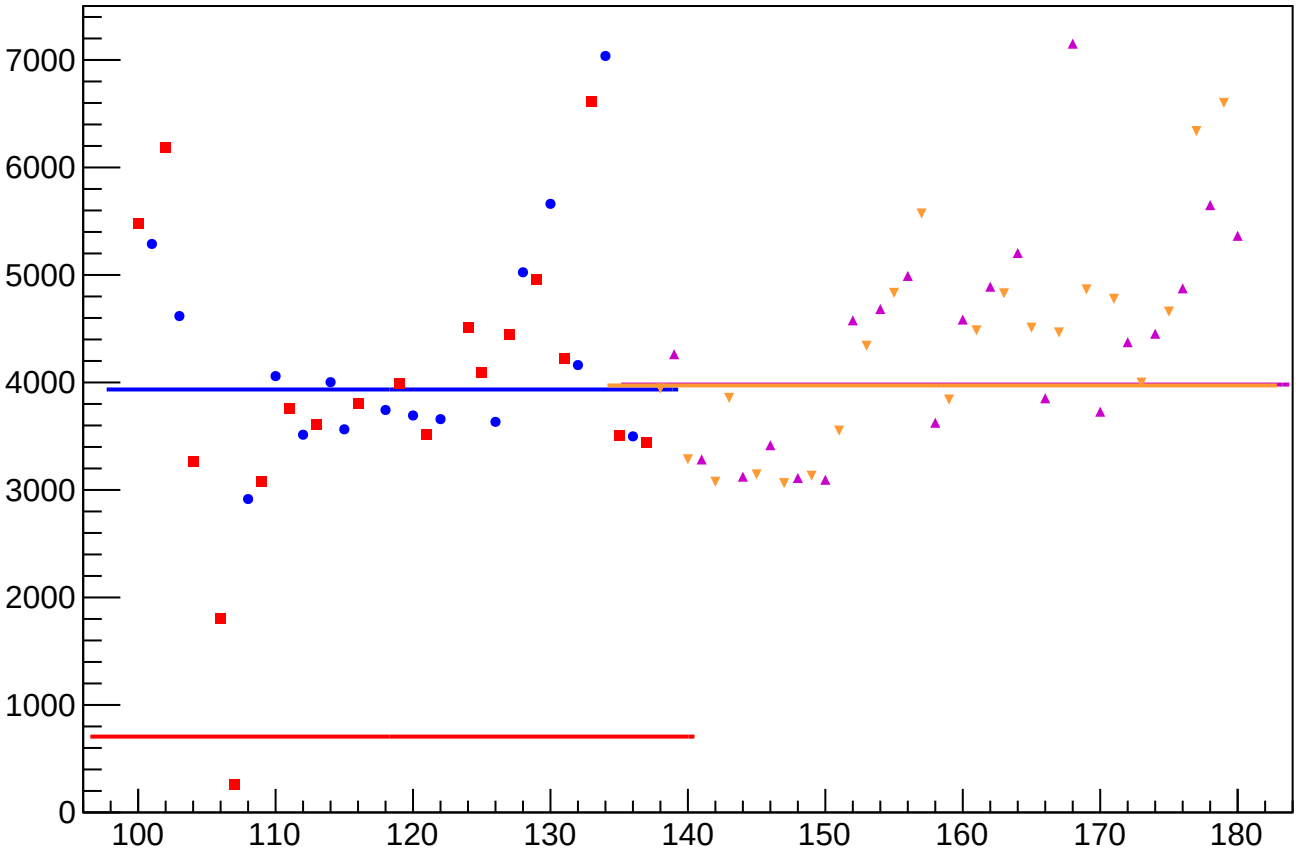
Left: -389.388+/-693.523 χ^2/NDF: 38.5/42

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 180.911+/-823.062 χ^2/NDF:28.0/36

Out: -23.480+/-453.771 χ^2/NDF:43.7/40

All: 24.164+/-397.380 χ^2/NDF: 71.7/77



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3980.489+/-0.696 χ^2/NDF:1530216.6/20

Left: 3976.337+/-0.490 χ^2/NDF: 2998554.6/42

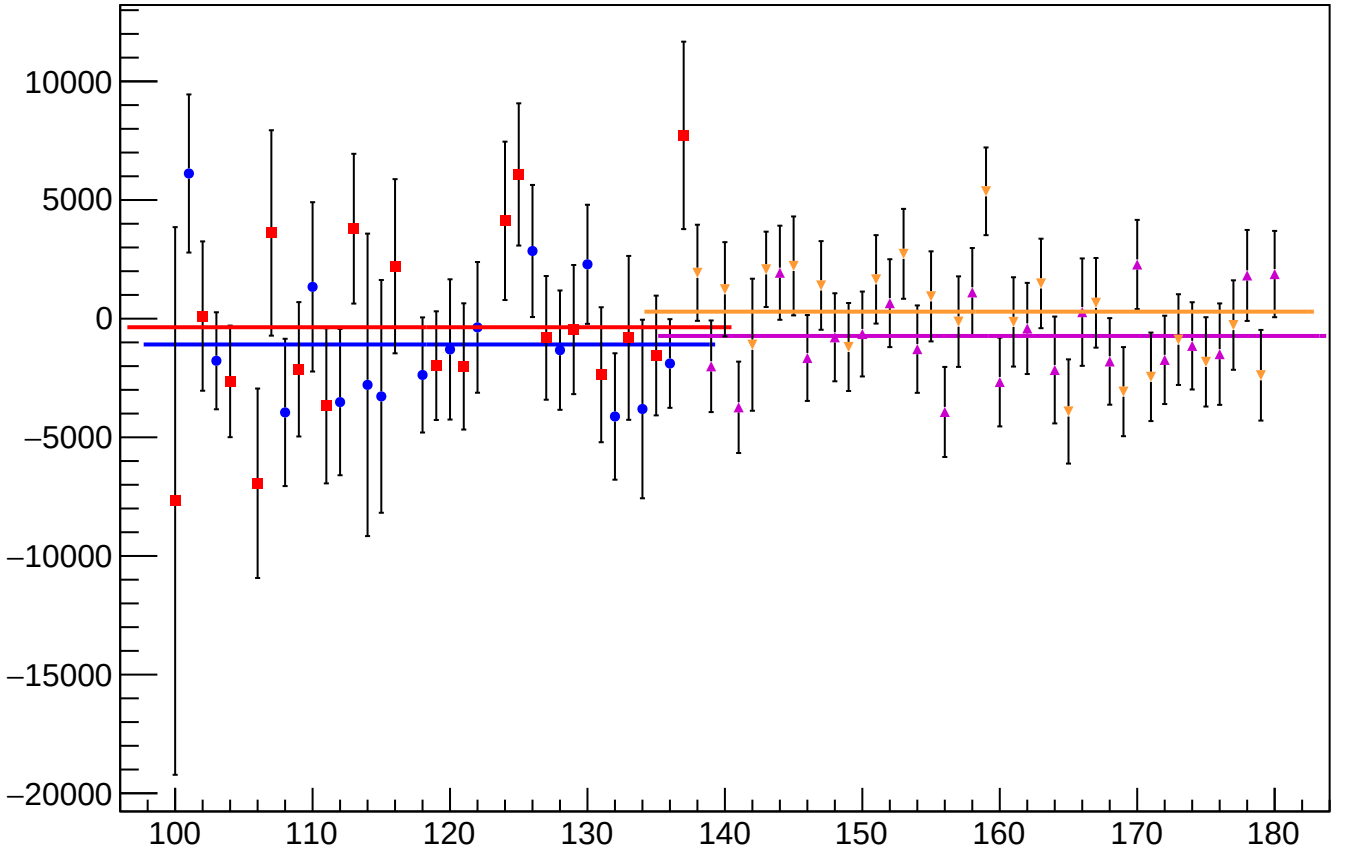
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3966.750+/-0.582 χ^2/NDF:2091665.3/36

Out: 1409.274+/-0.321 χ^2/NDF:29732378.3/40

All: 2005.428+/-0.281 χ^2/NDF: 46633024.3/7

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 294.863+/-409.069 χ^2/NDF:27.4/21

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -728.778+/-416.589 χ^2/NDF:18.3/20

Left: -207.635+/-291.878 χ^2/NDF: 48.8/42

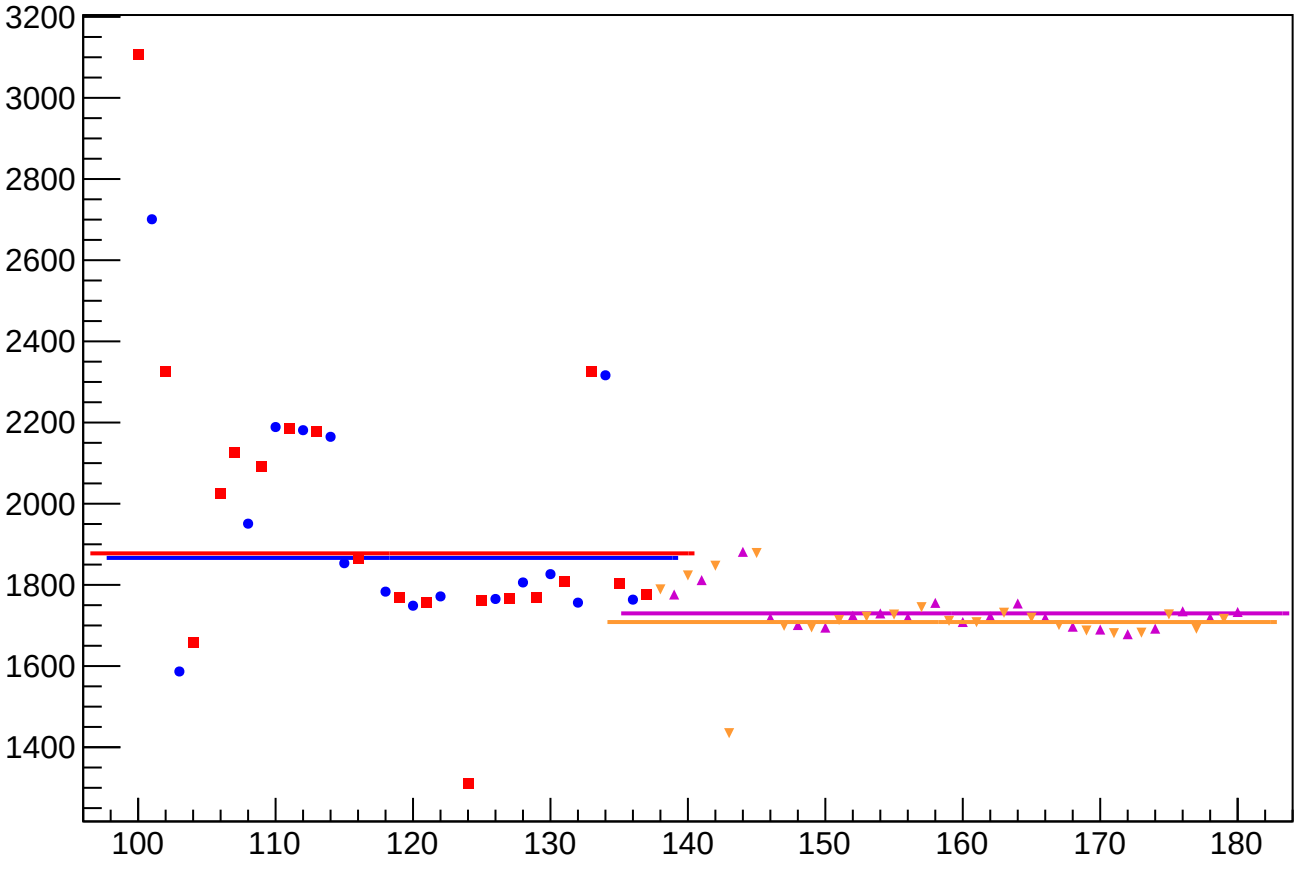
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -822.744+/-357.933 χ^2/NDF:31.7/36

Out: 127.726+/-353.140 χ^2/NDF:48.9/40

All: -341.103+/-251.385 χ^2/NDF: 84.1/77

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.459+/-0.289 χ^2/NDF:90613.5/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

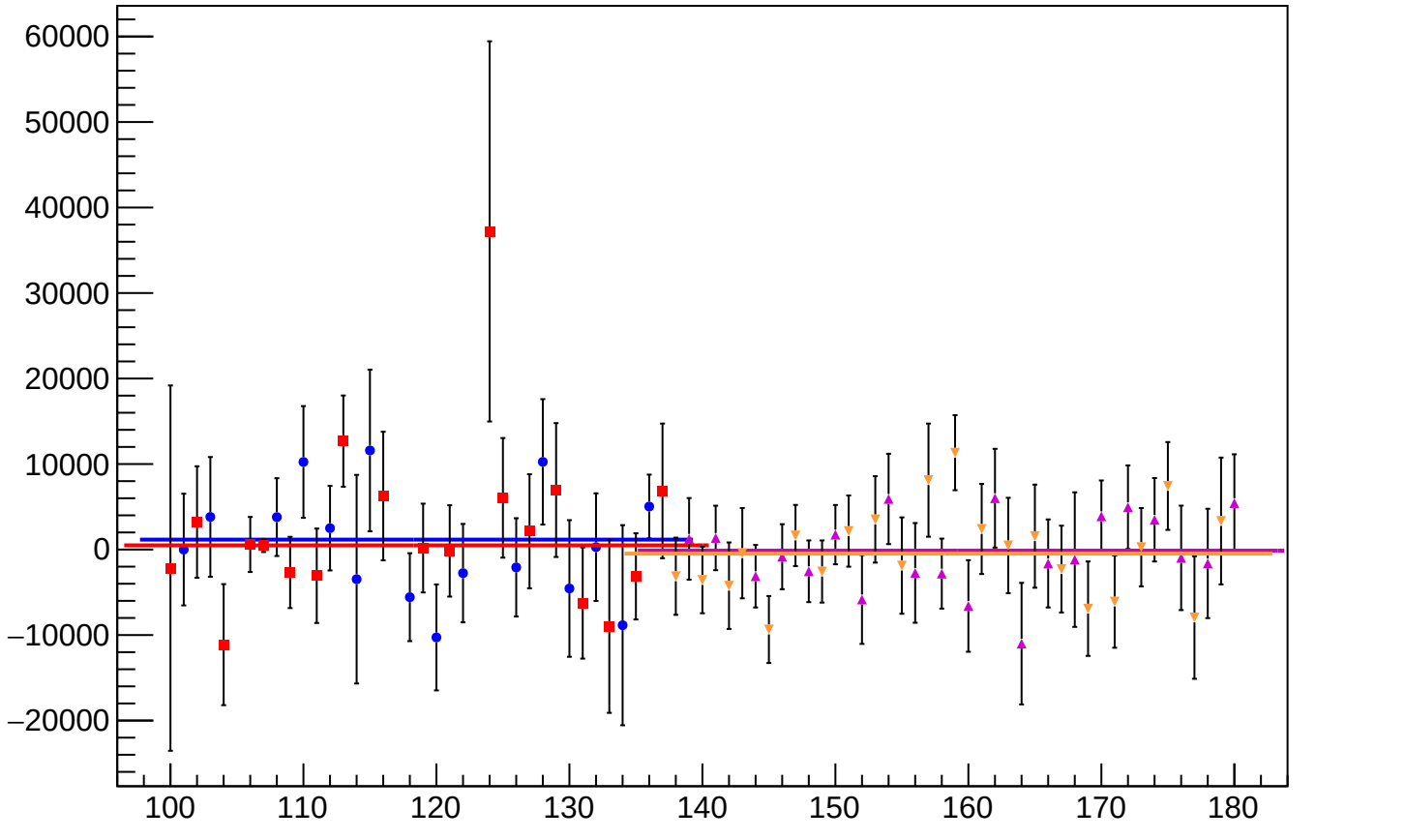
Left: 1718.939+/-0.206 χ^2/NDF: 116120.6/42

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1765.579+/-0.253 χ^2/NDF:335427.1/36

Out: 1751.616+/-0.250 χ^2/NDF:429738.5/40

All: 1758.502+/-0.178 χ^2/NDF: 766708.2/77



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -475.629+/-1032.923 χ^2/NDF:24.1/21

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -123.054+/-1030.704 χ^2/NDF:13.4/20

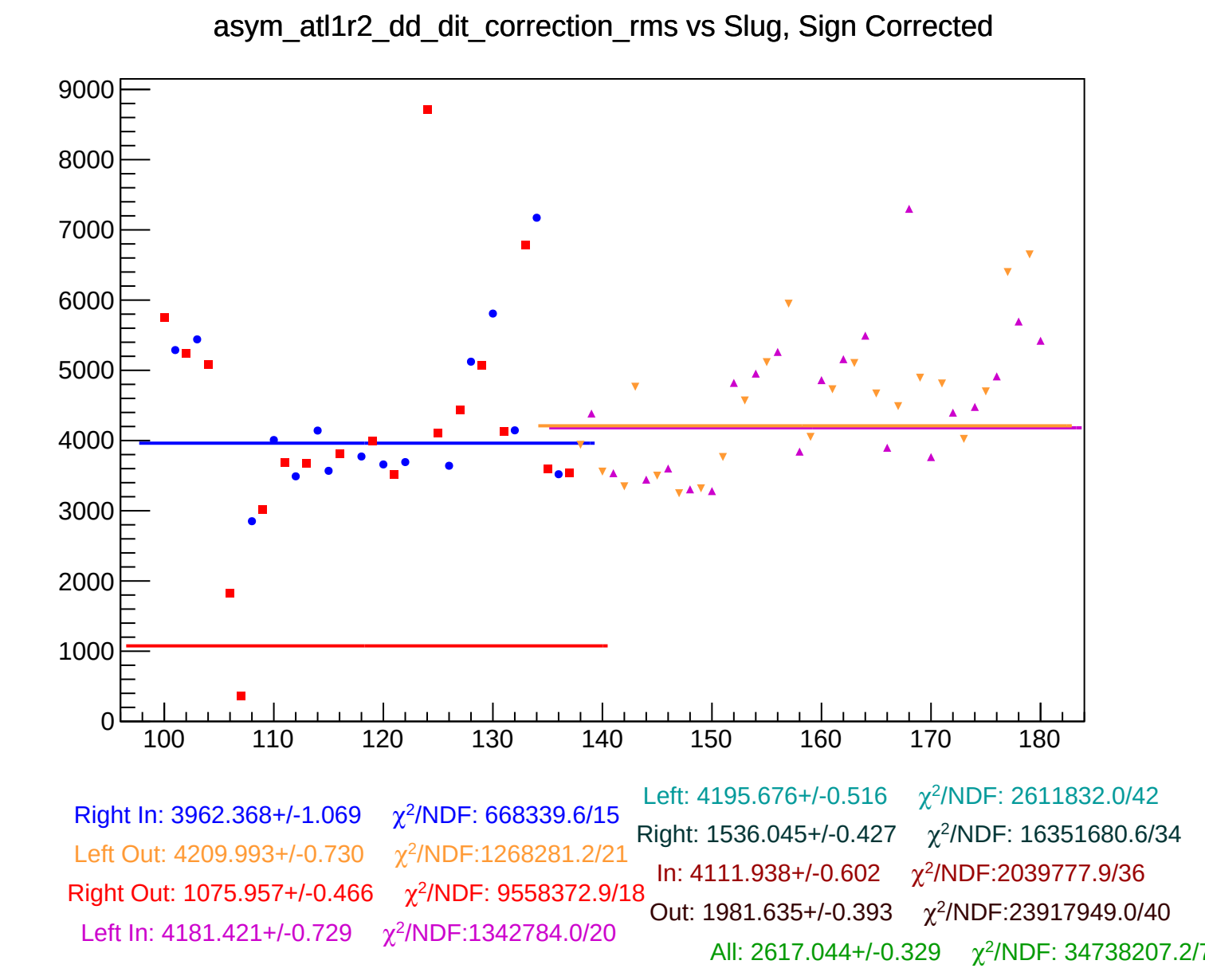
Left: -298.963+/-729.601 χ^2/NDF: 37.6/42

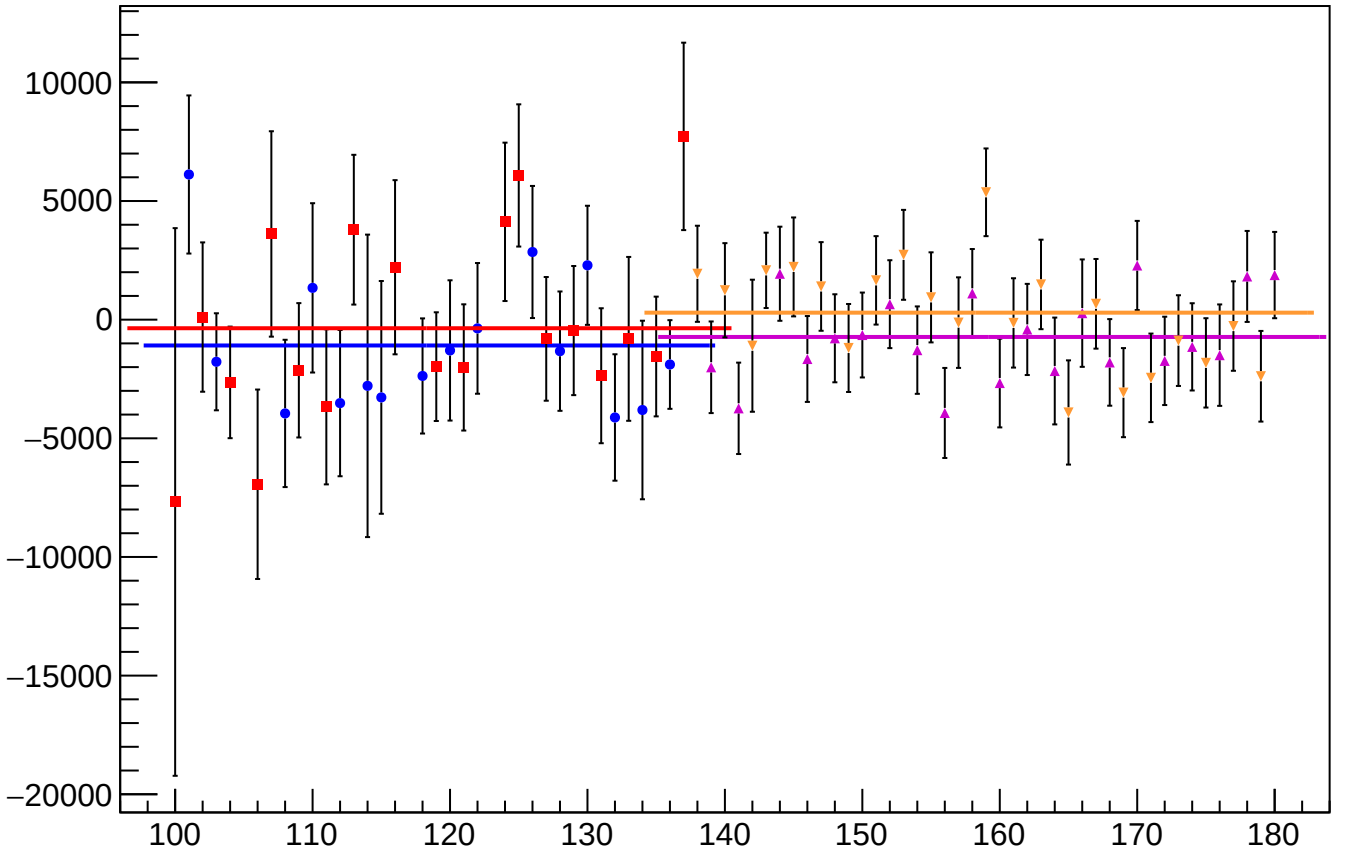
Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 284.284+/-851.690 χ^2/NDF:27.6/36

Out: 213.018+/-555.269 χ^2/NDF:41.7/40

All: 234.275+/-465.144 χ^2/NDF: 69.3/77


asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 3962.368+/-1.069 χ²/NDF: 668339.6/15
Left Out: 4209.993+/-0.730 χ²/NDF:1268281.2/21
Right Out: 1075.957+/-0.466 χ²/NDF: 9558372.9/18
Left In: 4181.421+/-0.729 χ²/NDF:1342784.0/20
Left: 4195.676+/-0.516 χ²/NDF: 2611832.0/42
Right: 1536.045+/-0.427 χ²/NDF: 16351680.6/34
In: 4111.938+/-0.602 χ²/NDF:2039777.9/36
Out: 1981.635+/-0.393 χ²/NDF:23917949.0/40
All: 2617.044+/-0.329 χ²/NDF: 34738207.2/7



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 294.865+/-409.069 χ^2/NDF:27.4/21

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -728.778+/-416.589 χ^2/NDF:18.3/20

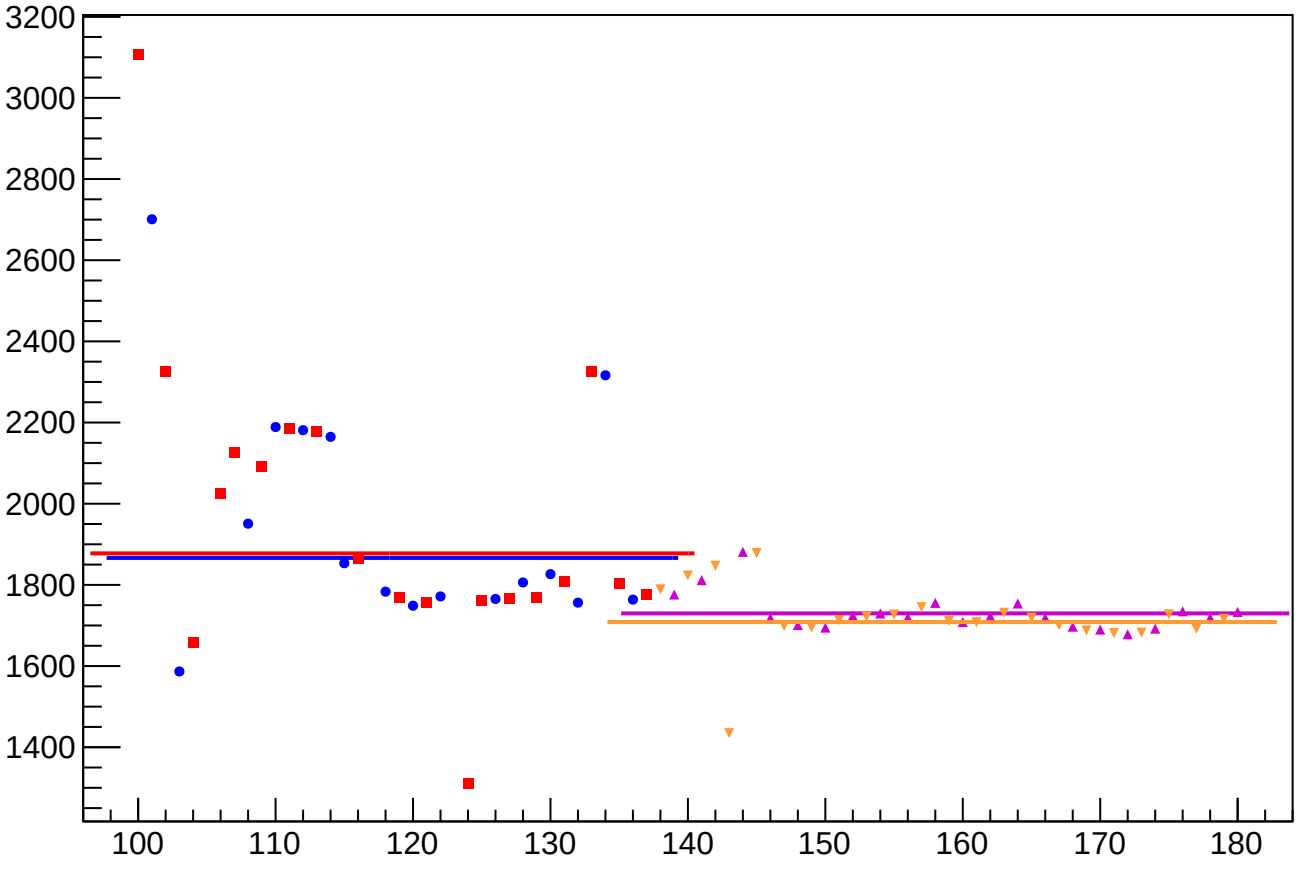
Left: -207.634+/-291.878 χ^2/NDF: 48.8/42

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -822.744+/-357.933 χ^2/NDF:31.7/36

Out: 127.726+/-353.140 χ^2/NDF:48.9/40

All: -341.103+/-251.385 χ^2/NDF: 84.1/77



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.460+/-0.289 χ^2/NDF:90612.7/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.808+/-0.295 χ^2/NDF:22833.1/20

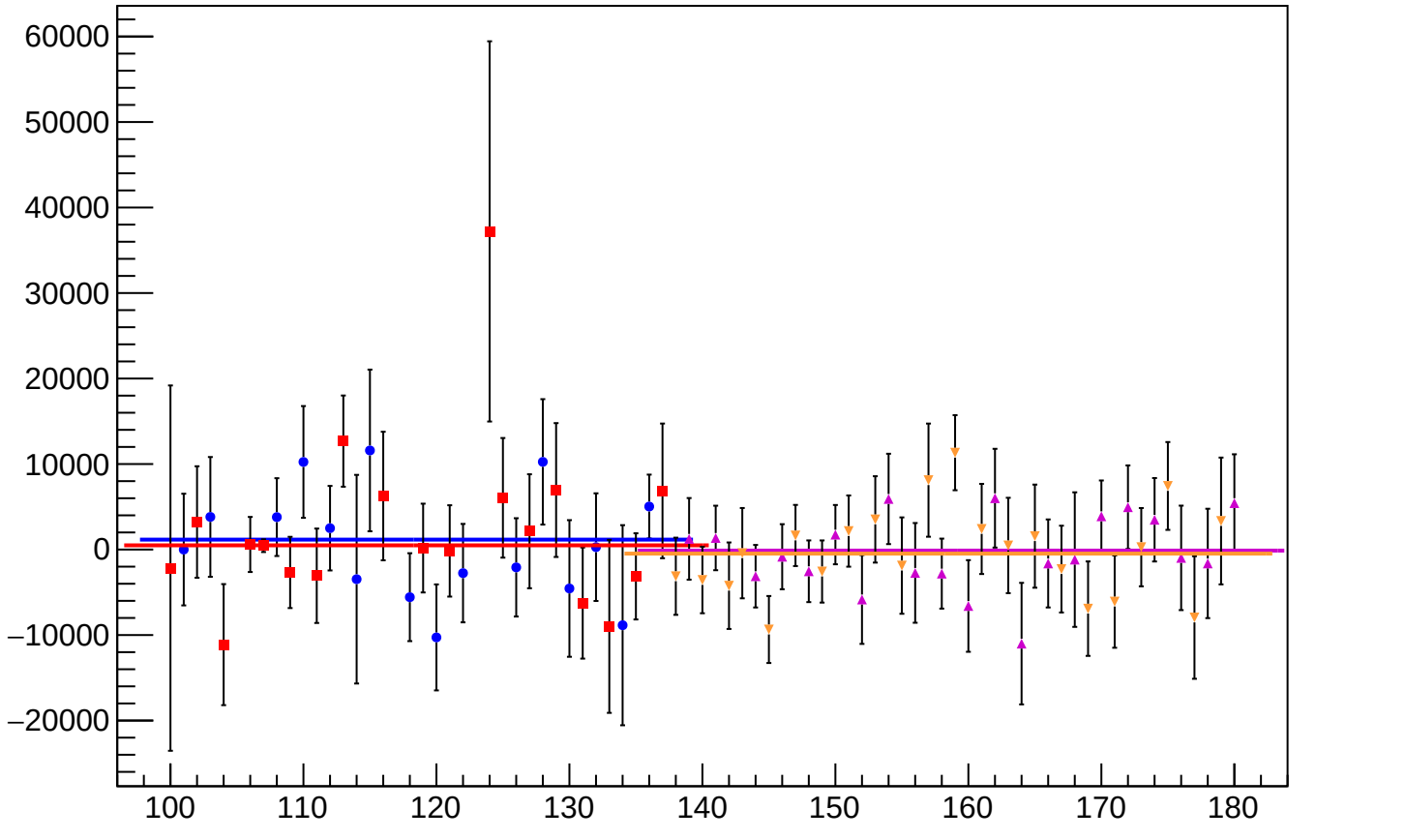
Left: 1718.939+/-0.206 χ^2/NDF: 116119.8/42

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1765.579+/-0.253 χ^2/NDF:335426.3/36

Out: 1751.616+/-0.250 χ^2/NDF:429737.3/40

All: 1758.502+/-0.178 χ^2/NDF: 766706.2/77



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -475.630+/-1032.925 χ^2/NDF:24.1/21

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -123.053+/-1030.706 χ^2/NDF:13.4/20

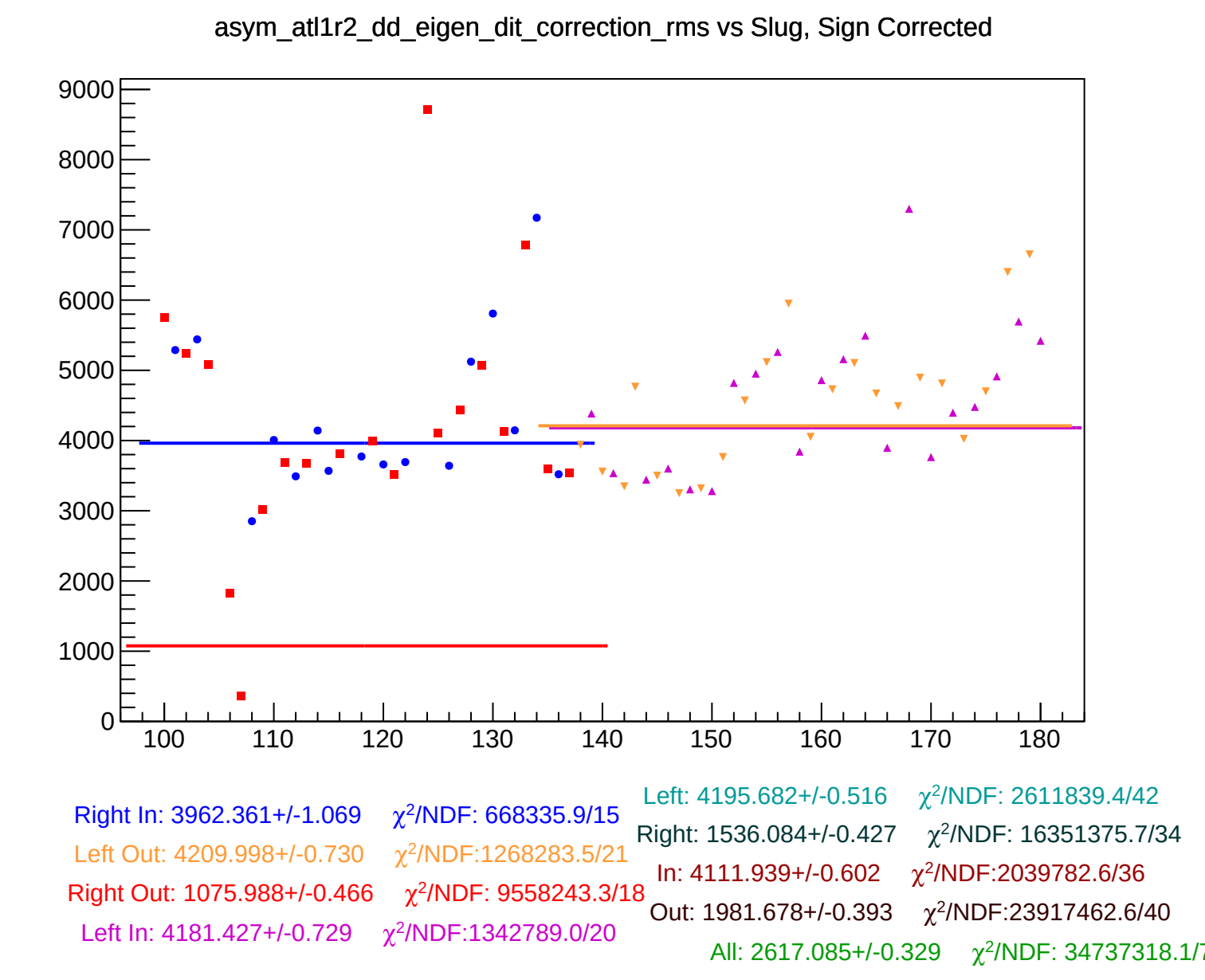
Left: -298.963+/-729.602 χ^2/NDF: 37.6/42

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 284.280+/-851.690 χ^2/NDF:27.6/36

Out: 213.017+/-555.275 χ^2/NDF:41.7/40

All: 234.273+/-465.148 χ^2/NDF: 69.3/77


asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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100
110
120
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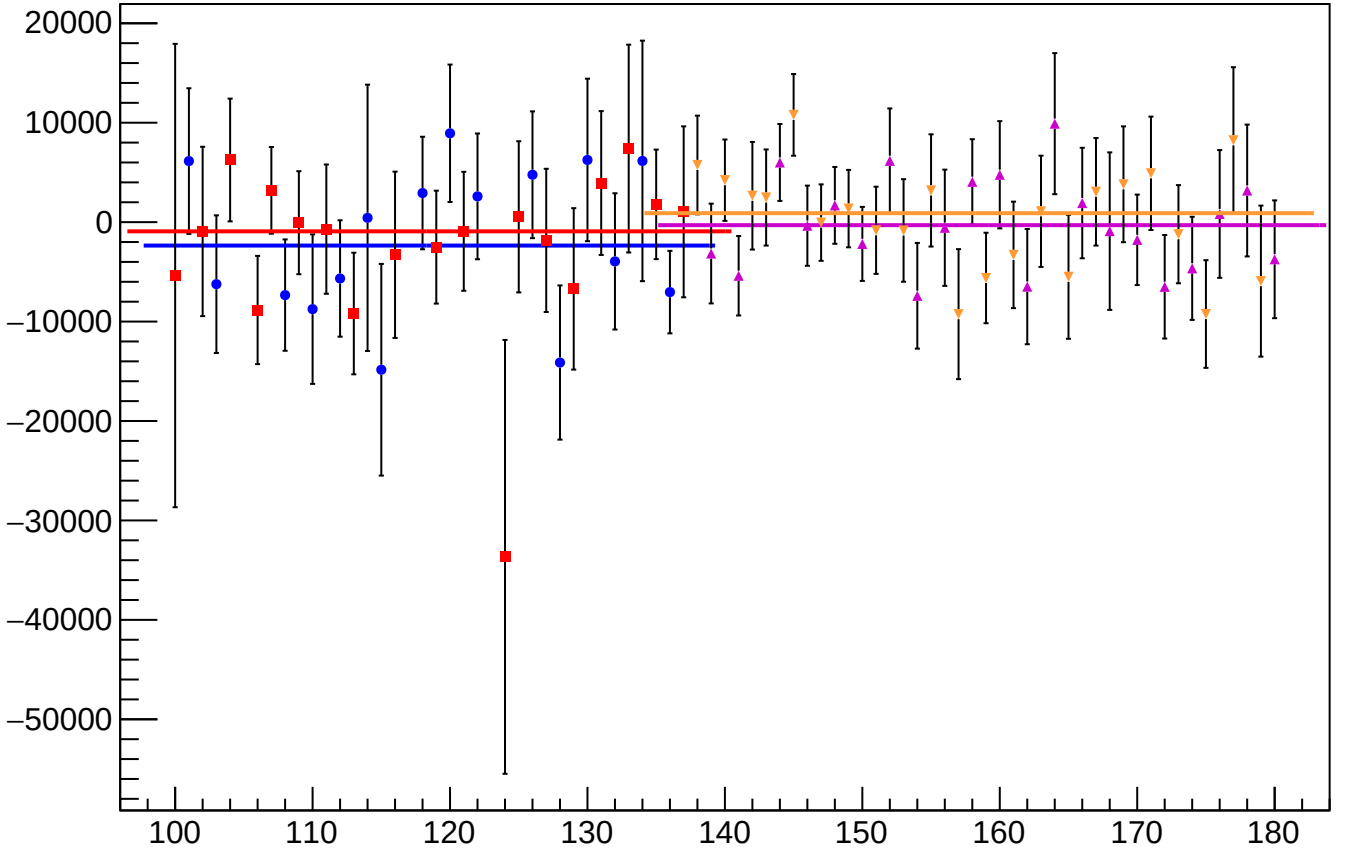
150
160
170
180
Right In: 3962.361+/-1.069 χ²/NDF: 668335.9/15
Left Out: 4209.998+/-0.730 χ²/NDF:1268283.5/21
Right Out: 1075.988+/-0.466 χ²/NDF: 9558243.3/18
Left In: 4181.427+/-0.729 χ²/NDF:1342789.0/20
Left: 4195.682+/-0.516 χ²/NDF: 2611839.4/42
Right: 1536.084+/-0.427 χ²/NDF: 16351375.7/34
In: 4111.939+/-0.602 χ²/NDF:2039782.6/36
Out: 1981.678+/-0.393 χ²/NDF:23917462.6/40
All: 2617.085+/-0.329 χ²/NDF: 34737318.1/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 902.627+/-1077.781 χ^2/NDF:20.7/21

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -304.984+/-1081.214 χ^2/NDF:16.6/20

Left: 300.742+/-763.317 χ^2/NDF: 37.9/42

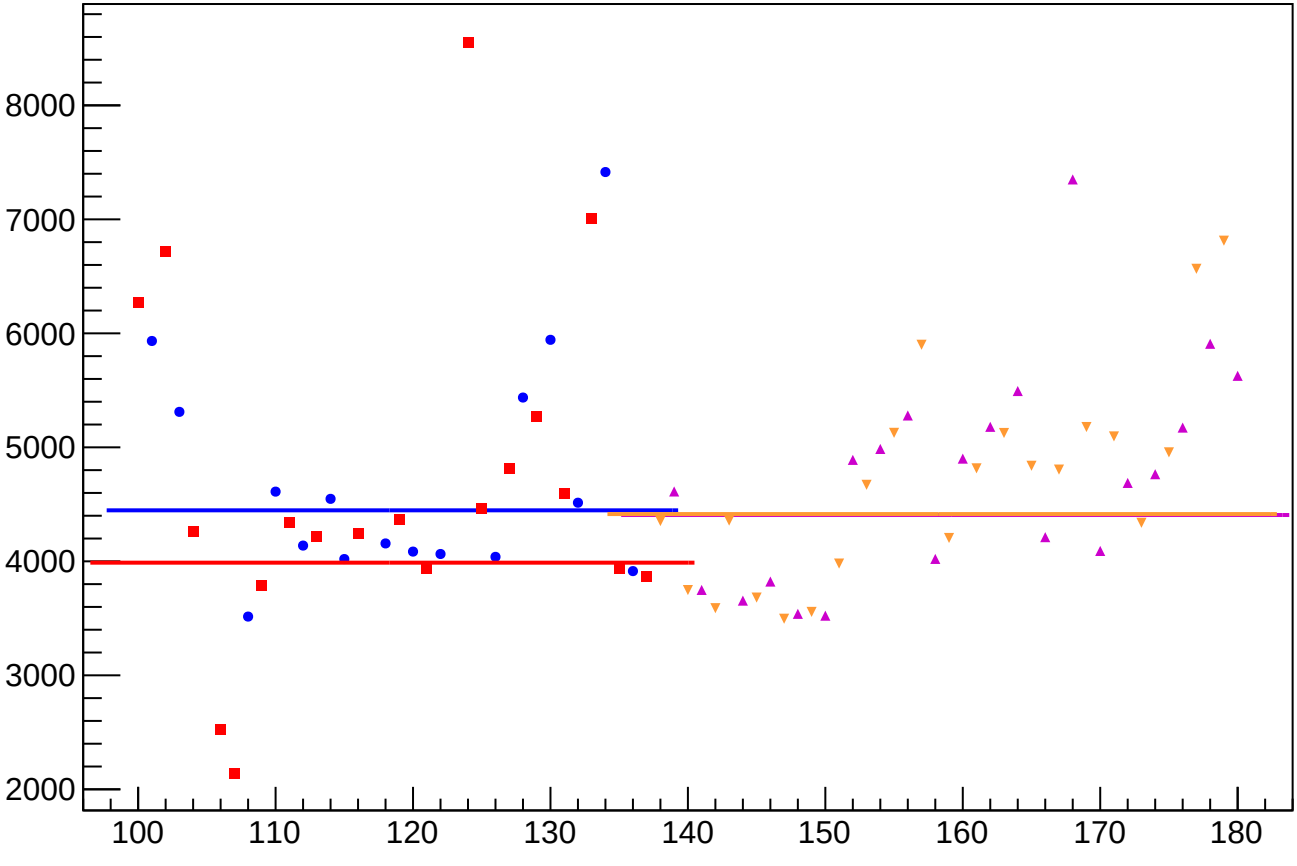
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -902.945+/-909.951 χ^2/NDF:33.2/36

Out: 305.388+/-884.305 χ^2/NDF:32.2/40

All: -281.511+/-634.171 χ^2/NDF: 66.3/77

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4414.653+/-0.762 χ^2/NDF:1056350.7/21

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4406.321+/-0.765 χ^2/NDF:1108955.6/20

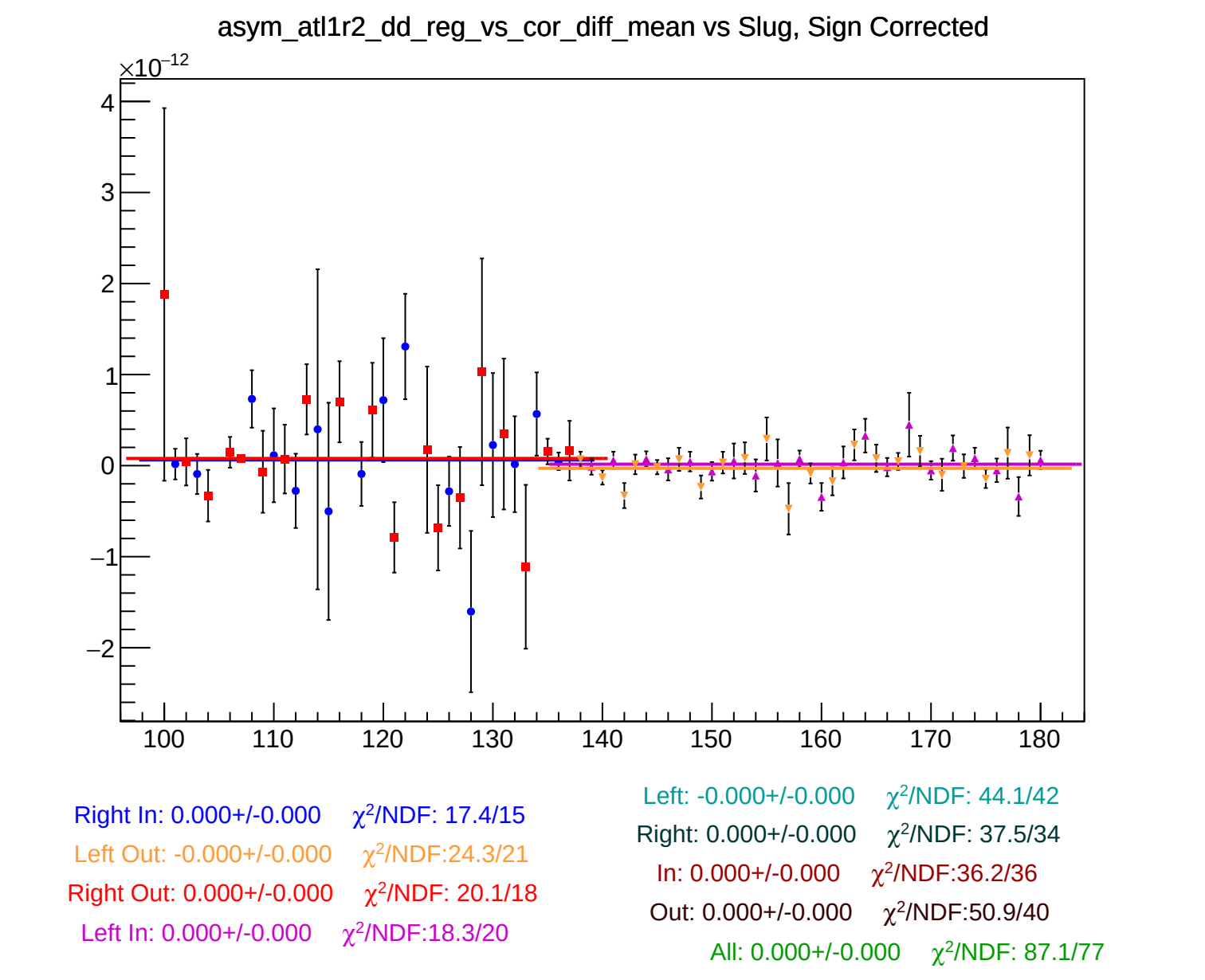
Left: 4410.500+/-0.540 χ^2/NDF: 2165365.9/42

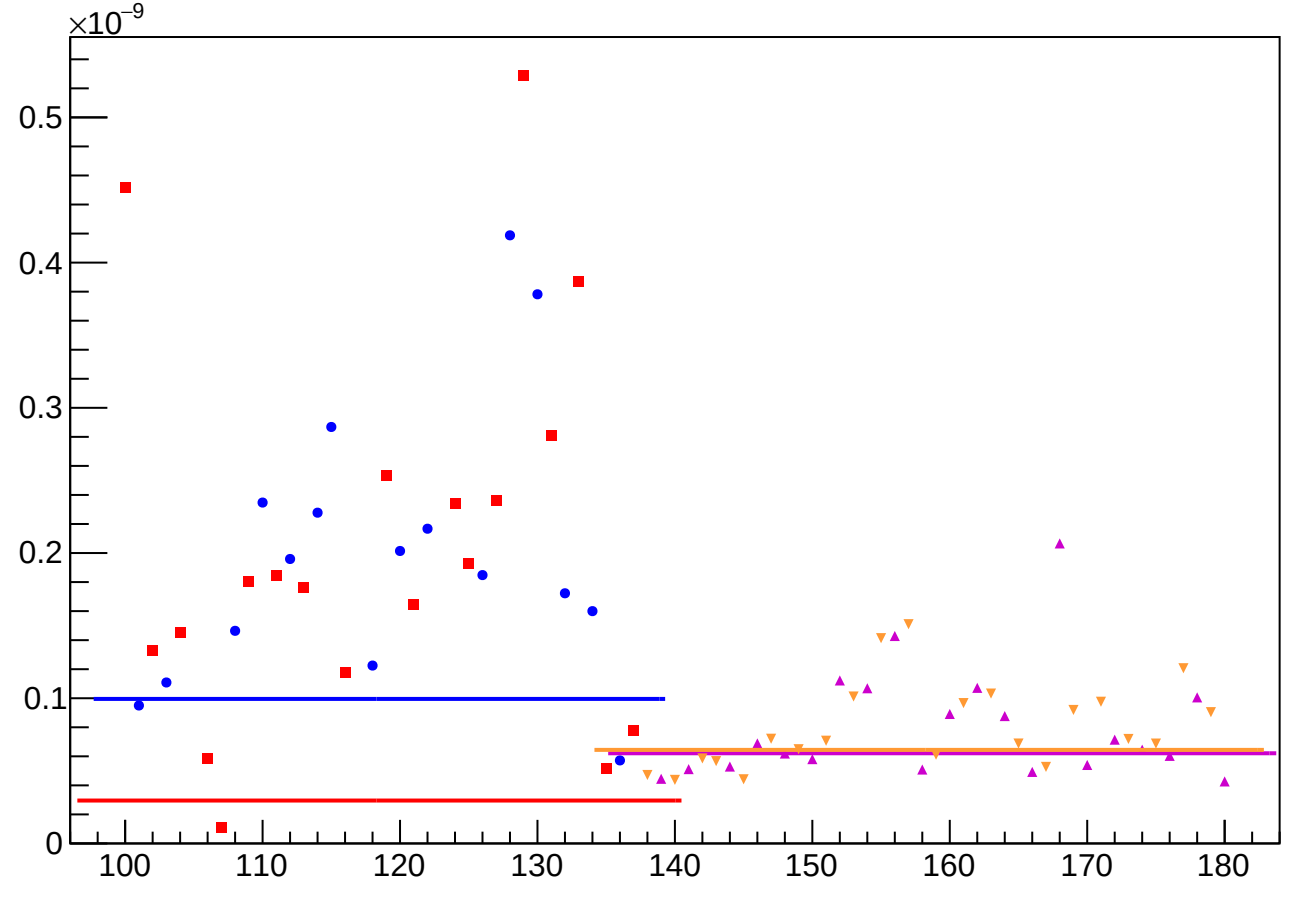
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4418.311+/-0.643 χ^2/NDF:1568049.9/36

Out: 4273.427+/-0.623 χ^2/NDF:2303965.4/40

All: 4343.561+/-0.448 χ^2/NDF: 3898174.6/77


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:24.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/20
Left: -0.000+/-0.000 χ²/NDF: 44.1/42
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:36.2/36
Out: 0.000+/-0.000 χ²/NDF:50.9/40
All: 0.000+/-0.000 χ²/NDF: 87.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1343268.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1394267.1/20

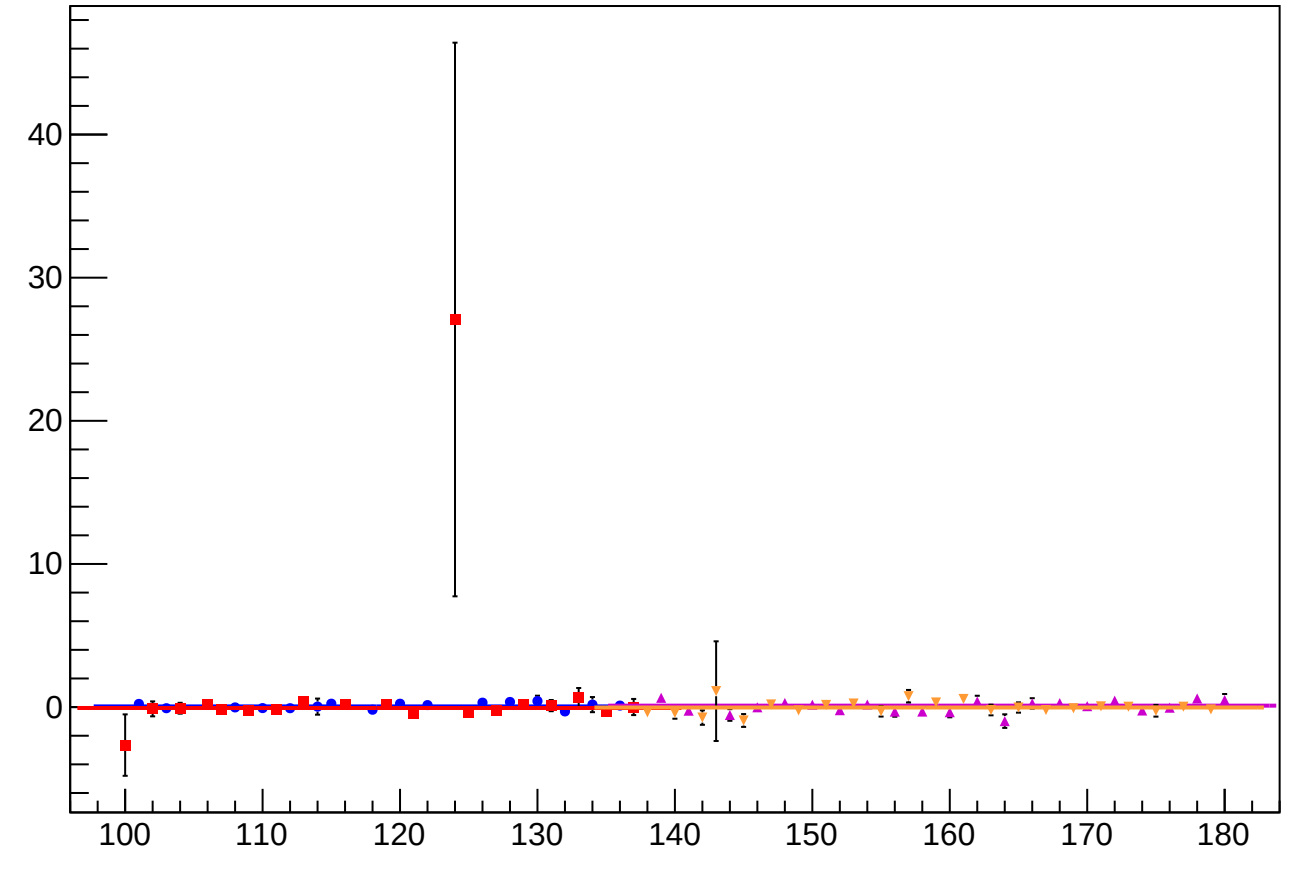
Left: 0.000+/-0.000 χ^2/NDF: 2745378.9/42

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3482807.4/36

Out: 0.000+/-0.000 χ^2/NDF:7057839.3/40

All: 0.000+/-0.000 χ^2/NDF: 11036669.5/77



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.102+/-0.064 χ^2/NDF:31.0/20

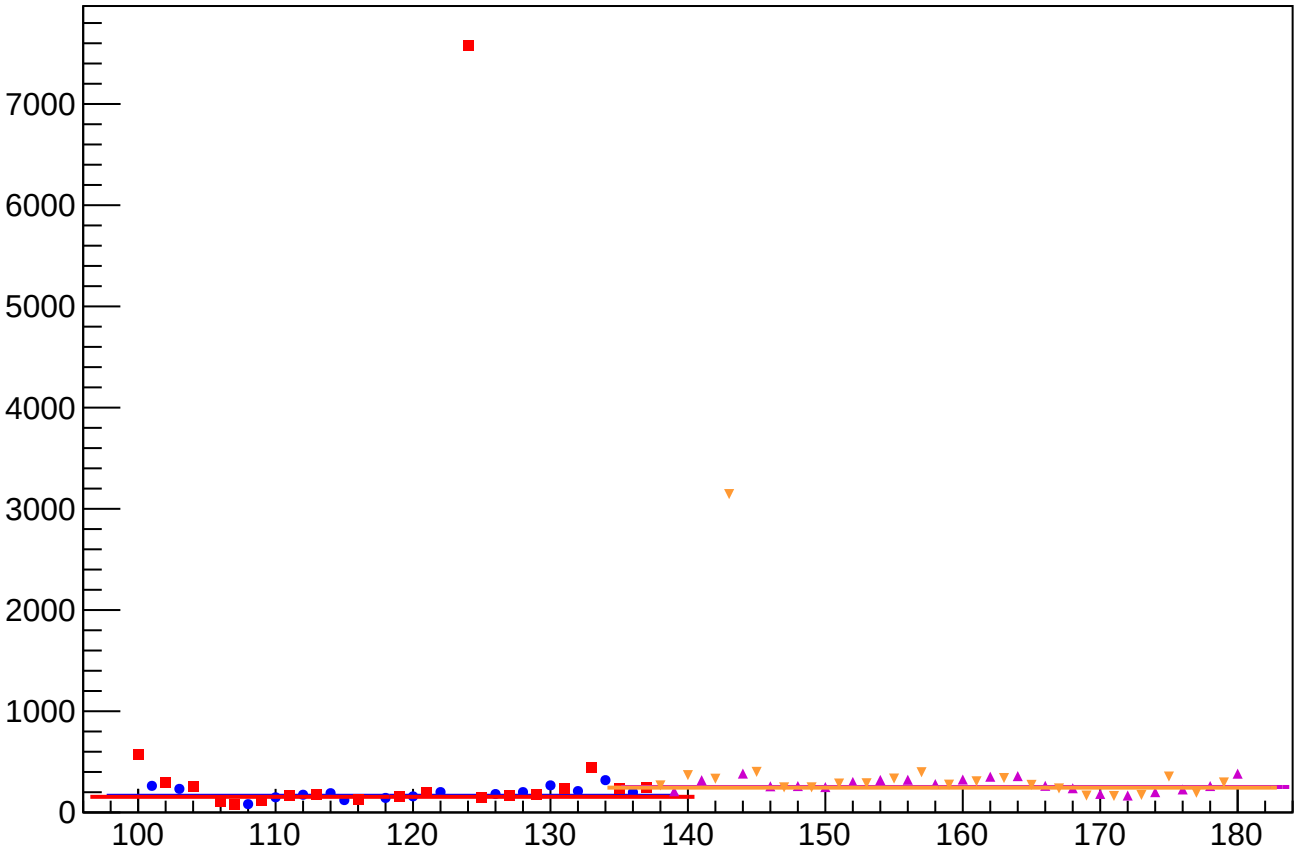
Left: 0.037+/-0.045 χ^2/NDF: 53.2/42

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.046 χ^2/NDF:39.0/36

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.015+/-0.032 χ^2/NDF: 81.1/77



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

Left: 248.456+/-0.032 χ^2/NDF: 5681202.3/42

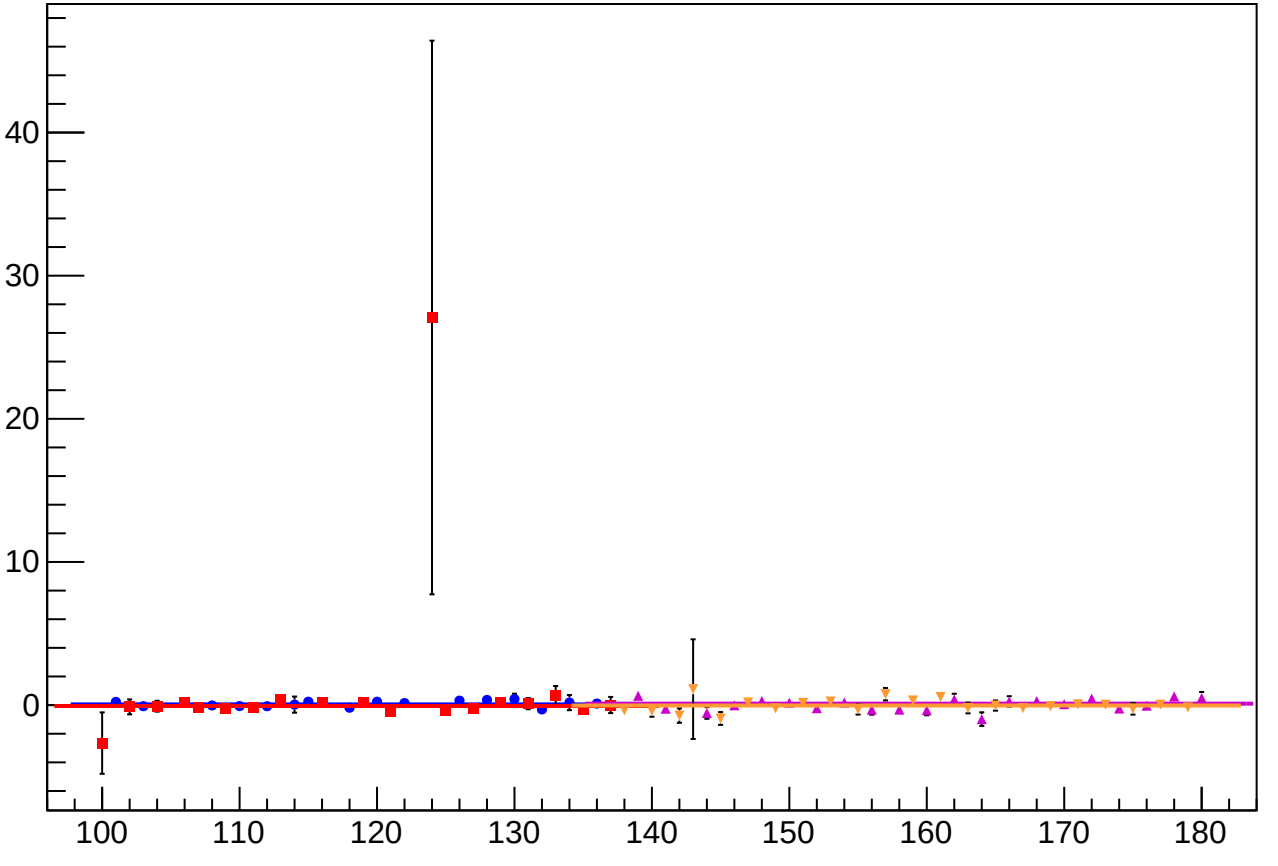
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.991+/-0.033 χ^2/NDF:5094044.5/36

Out: 200.594+/-0.032 χ^2/NDF:7775125.0/40

All: 205.204+/-0.023 χ^2/NDF: 12911657.8/77

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: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.102+/-0.064 χ^2/NDF:31.0/20

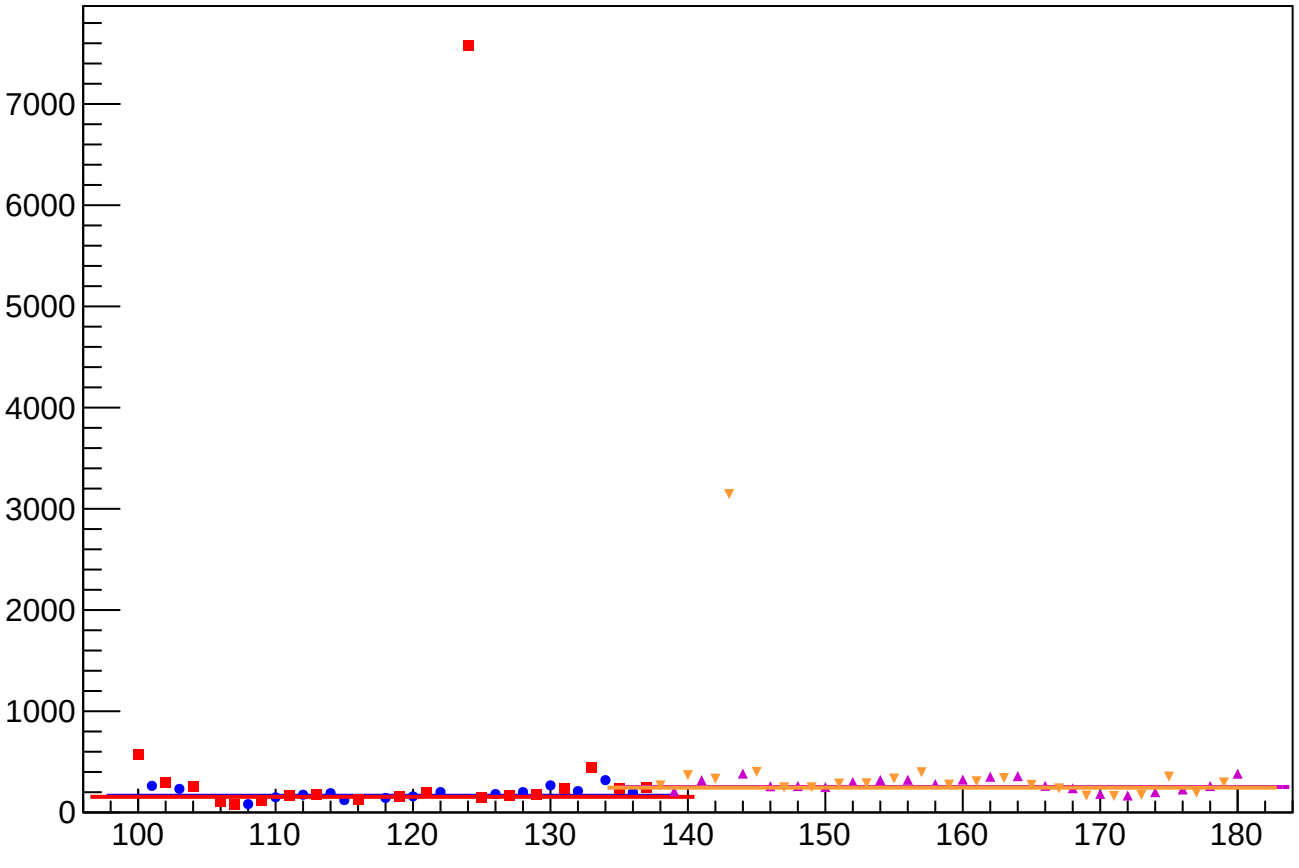
Left: 0.037+/-0.045 χ^2/NDF: 53.2/42

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.046 χ^2/NDF:39.0/36

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.015+/-0.032 χ^2/NDF: 81.1/77



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 251.670+/-0.045 χ^2/NDF:1842584.6/20

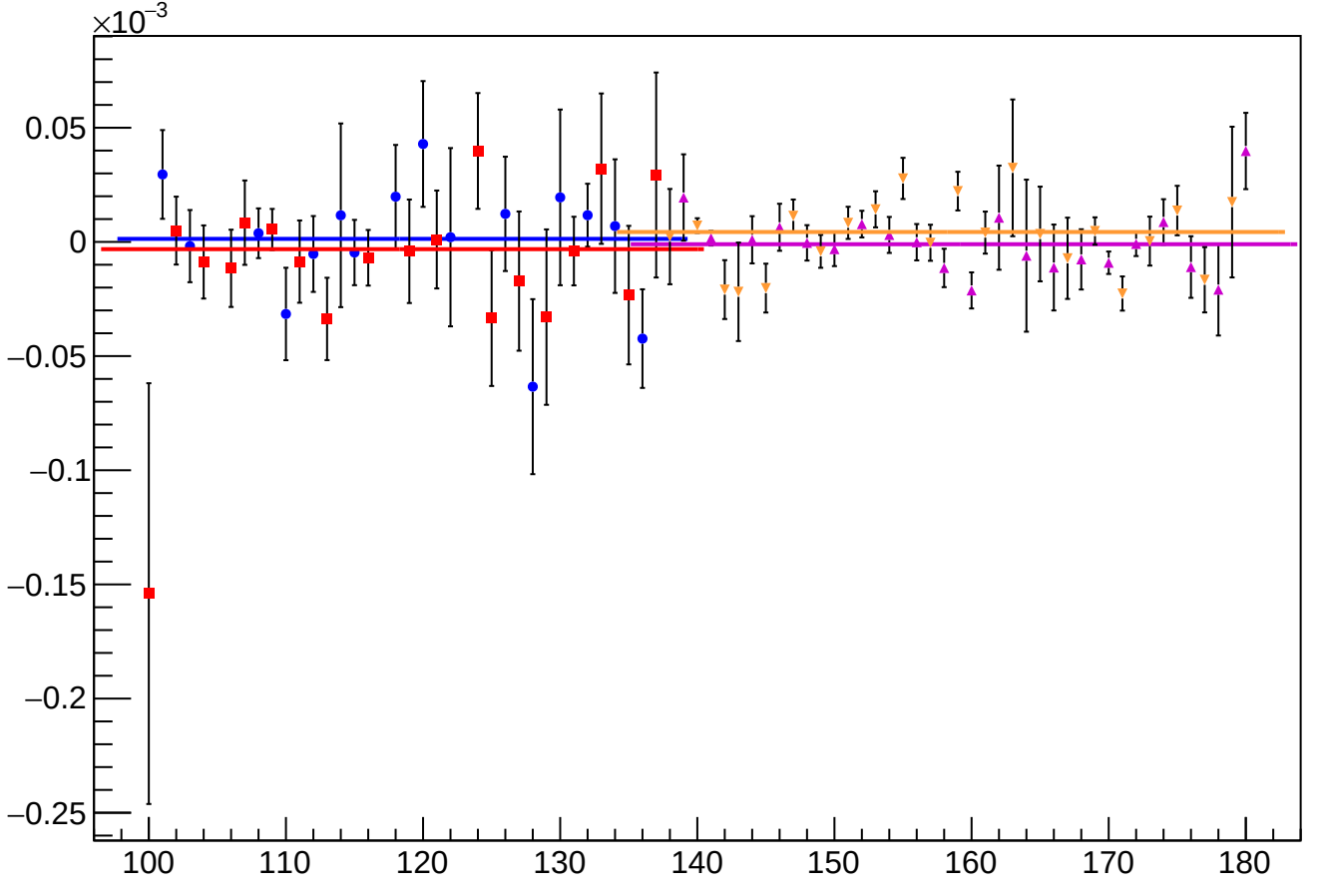
Left: 248.456+/-0.032 χ^2/NDF: 5681202.3/42

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.991+/-0.033 χ^2/NDF:5094044.5/36

Out: 200.594+/-0.032 χ^2/NDF:7775125.0/40

All: 205.204+/-0.023 χ^2/NDF: 12911657.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:25.1/20

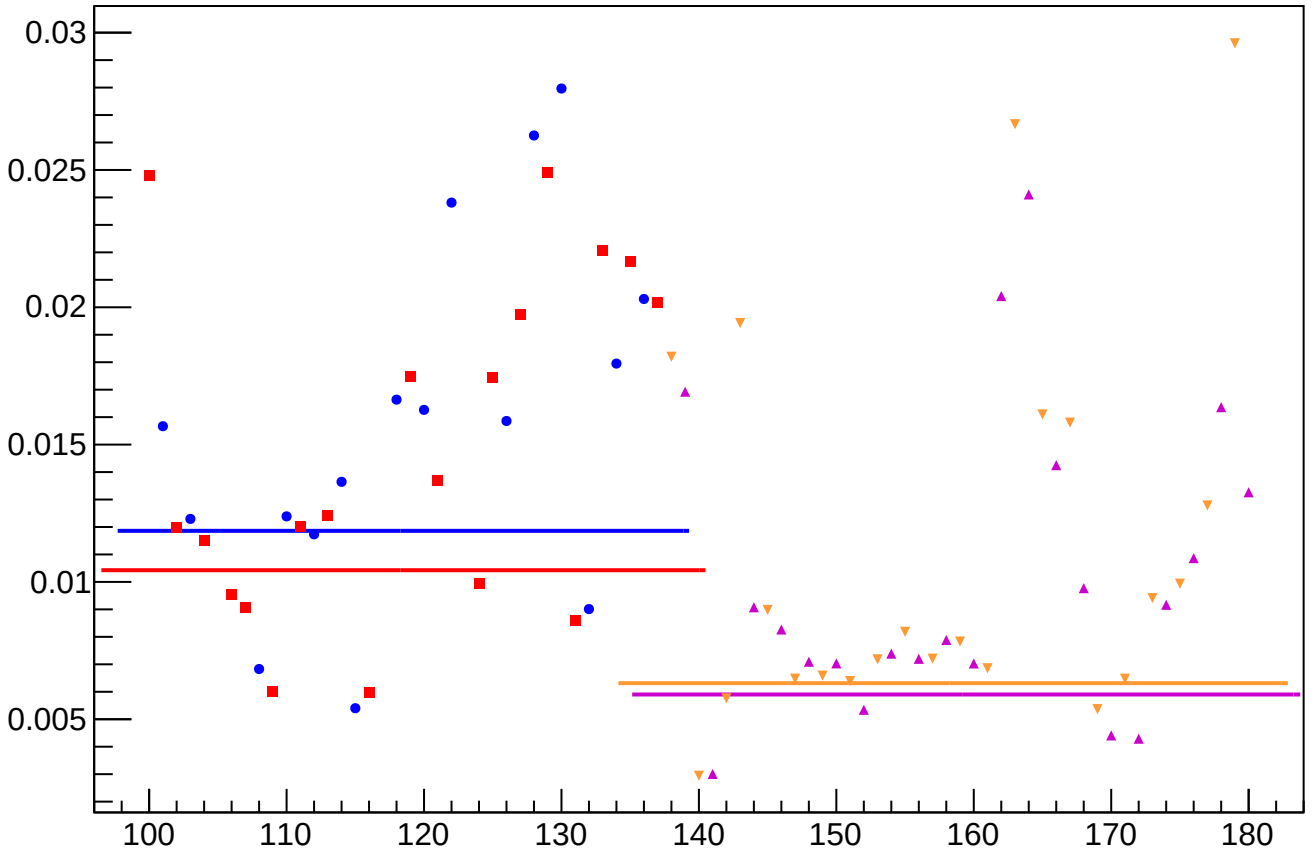
Left: 0.000+/-0.000 χ^2/NDF: 74.7/42

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:41.5/36

Out: 0.000+/-0.000 χ^2/NDF:62.0/40

All: 0.000+/-0.000 χ^2/NDF: 106.5/77



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7714935.0/21

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:6748138.2/20

Left: 0.006+/-0.000 χ^2/NDF: 14520570.1/42

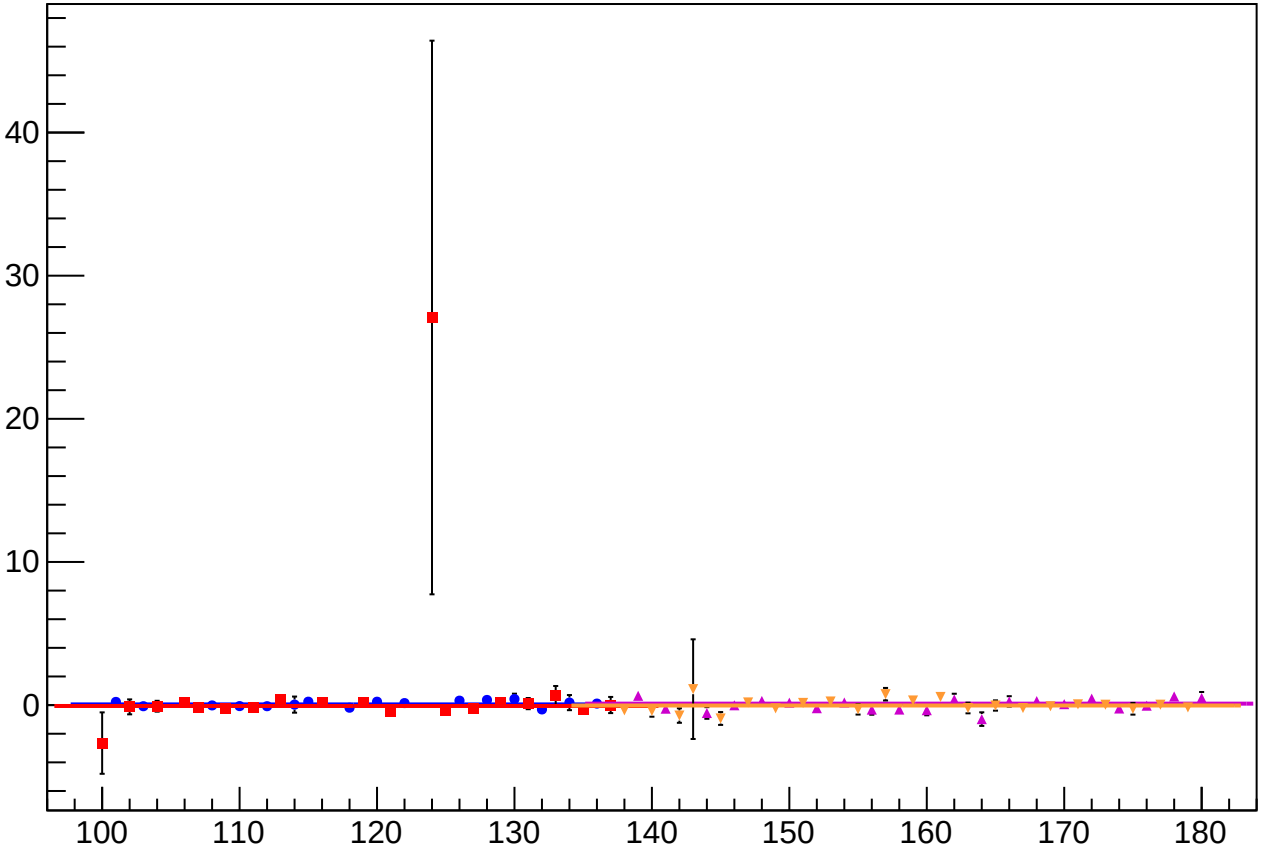
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:11827718.8/36

Out: 0.007+/-0.000 χ^2/NDF:11674851.4/40

All: 0.007+/-0.000 χ^2/NDF: 23561189.0/77

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: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.102+/-0.064 χ^2/NDF:31.0/20

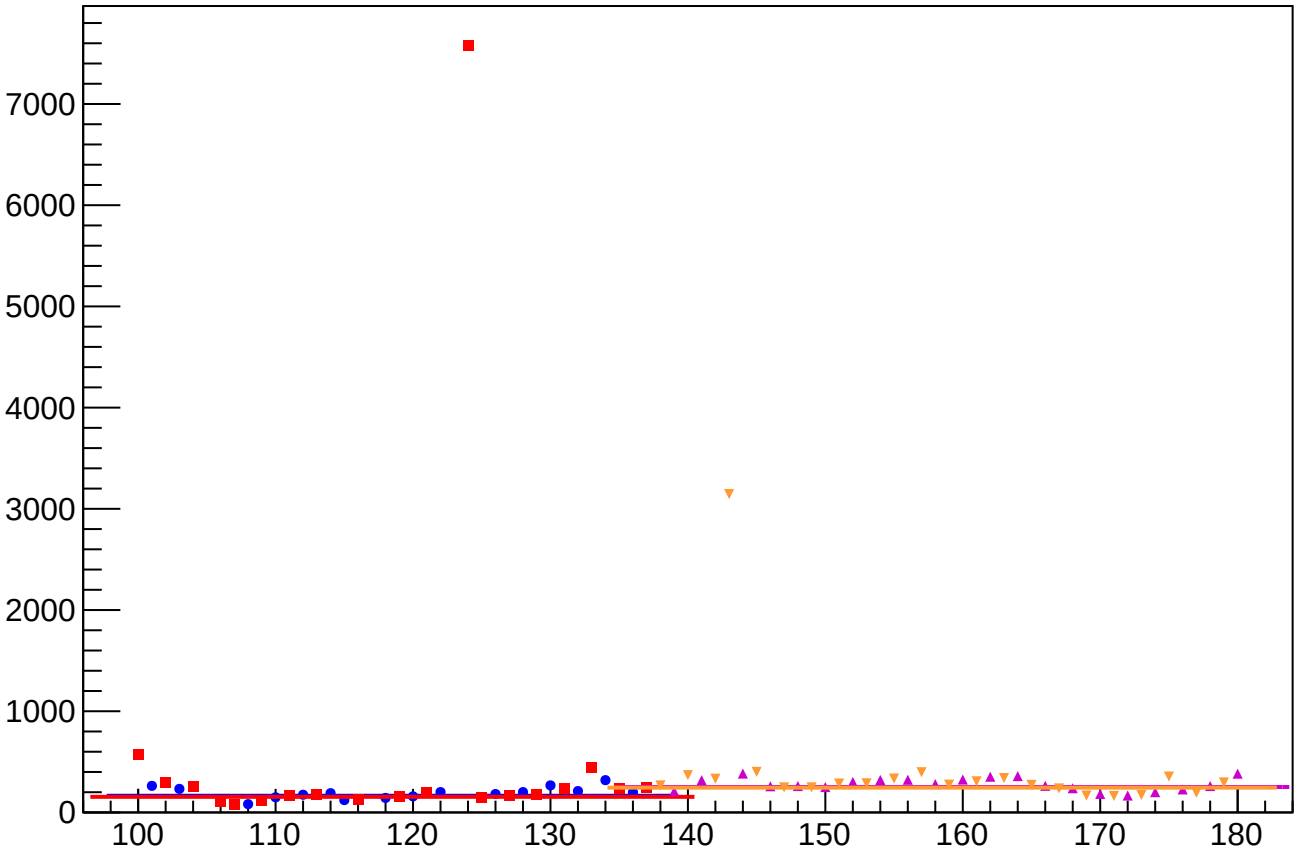
Left: 0.037+/-0.045 χ^2/NDF: 53.2/42

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.046 χ^2/NDF:39.0/36

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.015+/-0.032 χ^2/NDF: 81.1/77



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

Left: 248.458+/-0.032 χ^2/NDF: 5681346.0/42

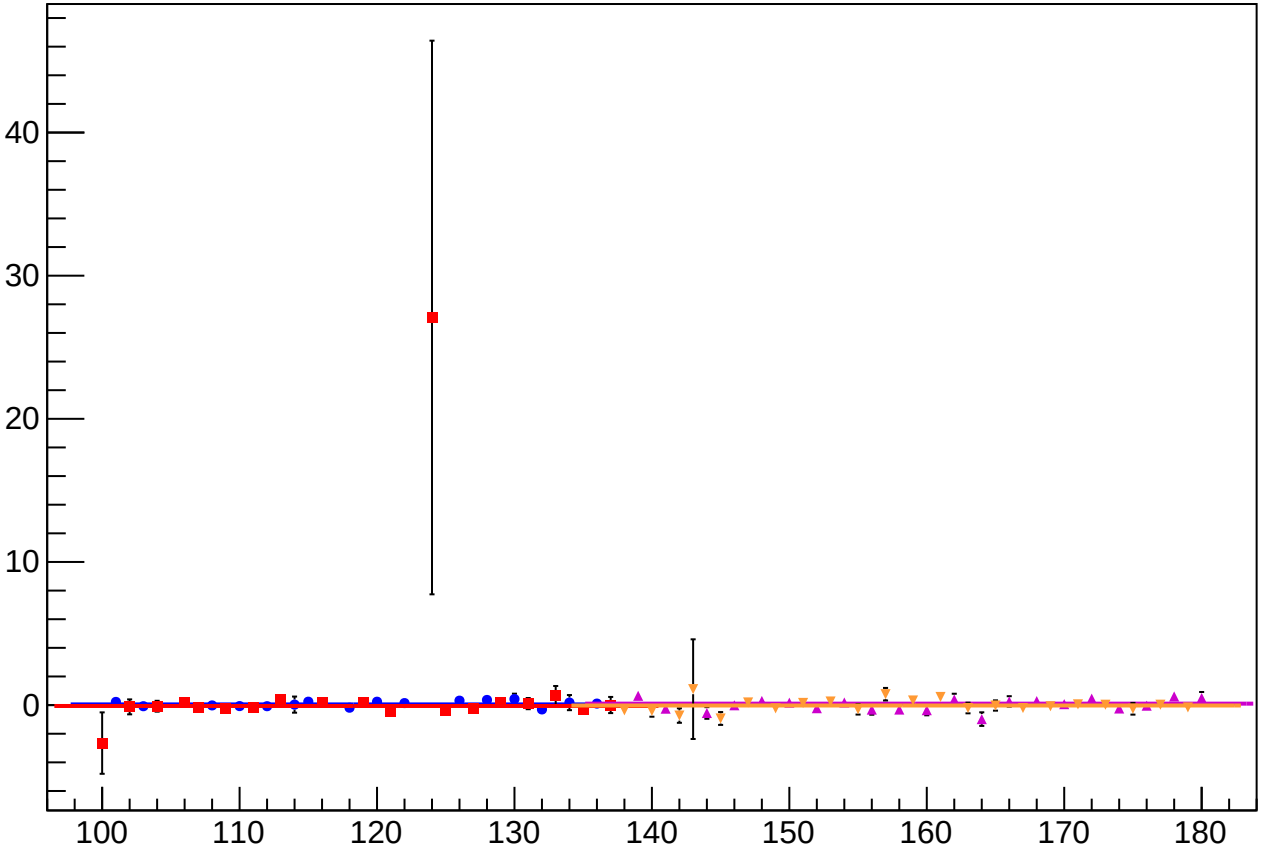
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.992+/-0.033 χ^2/NDF:5094152.8/36

Out: 200.594+/-0.032 χ^2/NDF:7775314.8/40

All: 205.205+/-0.023 χ^2/NDF: 12911958.5/77

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: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.102+/-0.064 χ^2/NDF:31.0/20

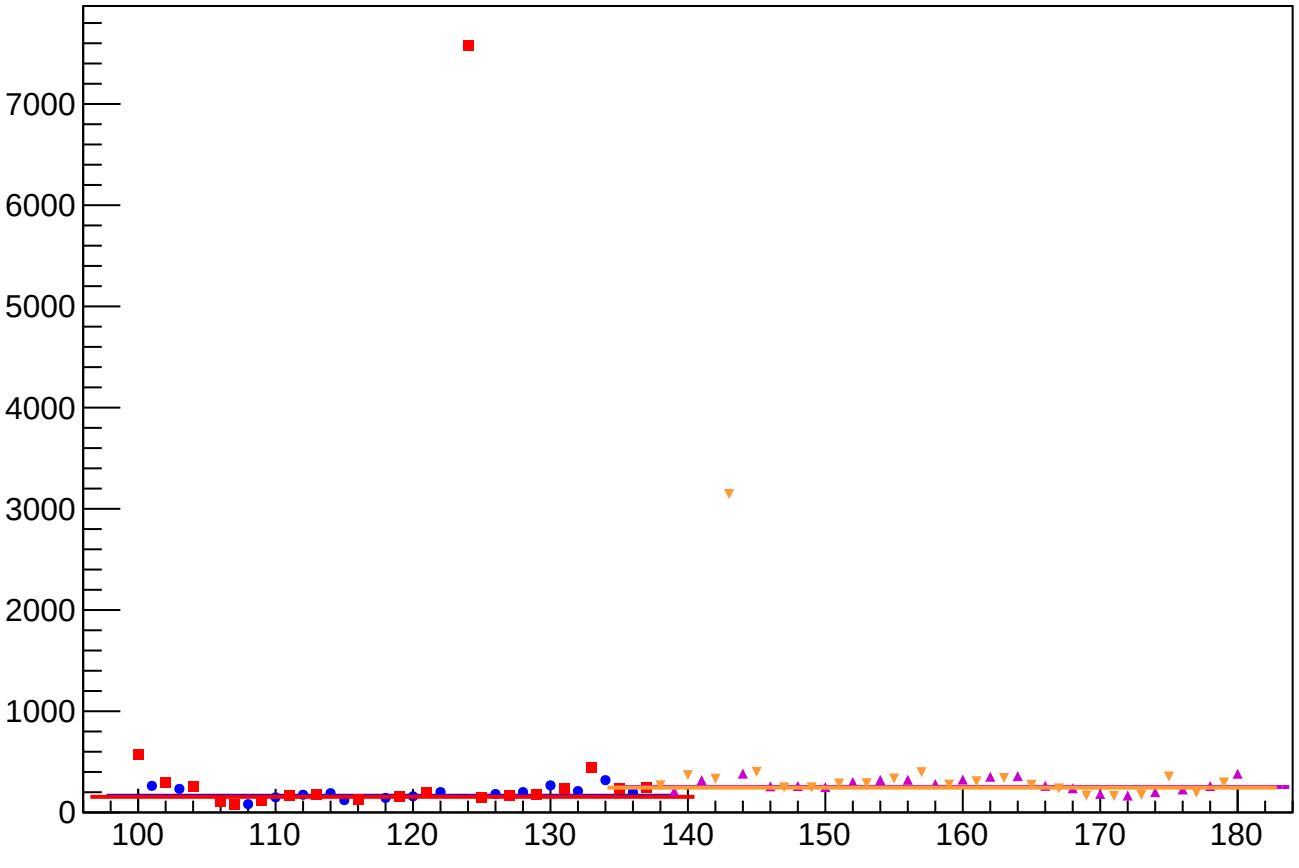
Left: 0.037+/-0.045 χ^2/NDF: 53.2/42

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.046 χ^2/NDF:39.0/36

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.015+/-0.032 χ^2/NDF: 81.1/77



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 251.672+/-0.045 χ^2/NDF:1842625.7/20

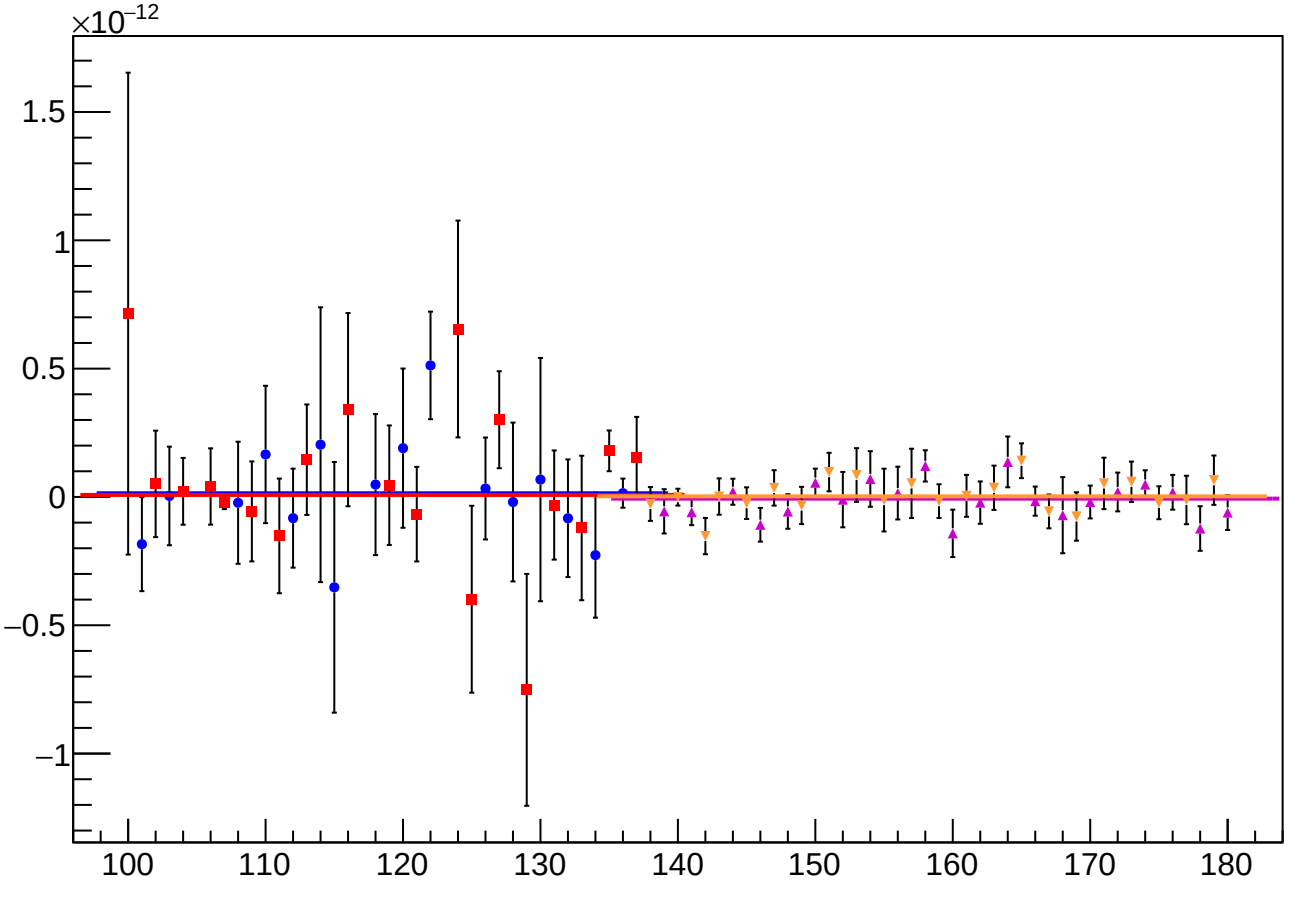
Left: 248.458+/-0.032 χ^2/NDF: 5681346.0/42

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.992+/-0.033 χ^2/NDF:5094152.8/36

Out: 200.594+/-0.032 χ^2/NDF:7775314.8/40

All: 205.205+/-0.023 χ^2/NDF: 12911958.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/20

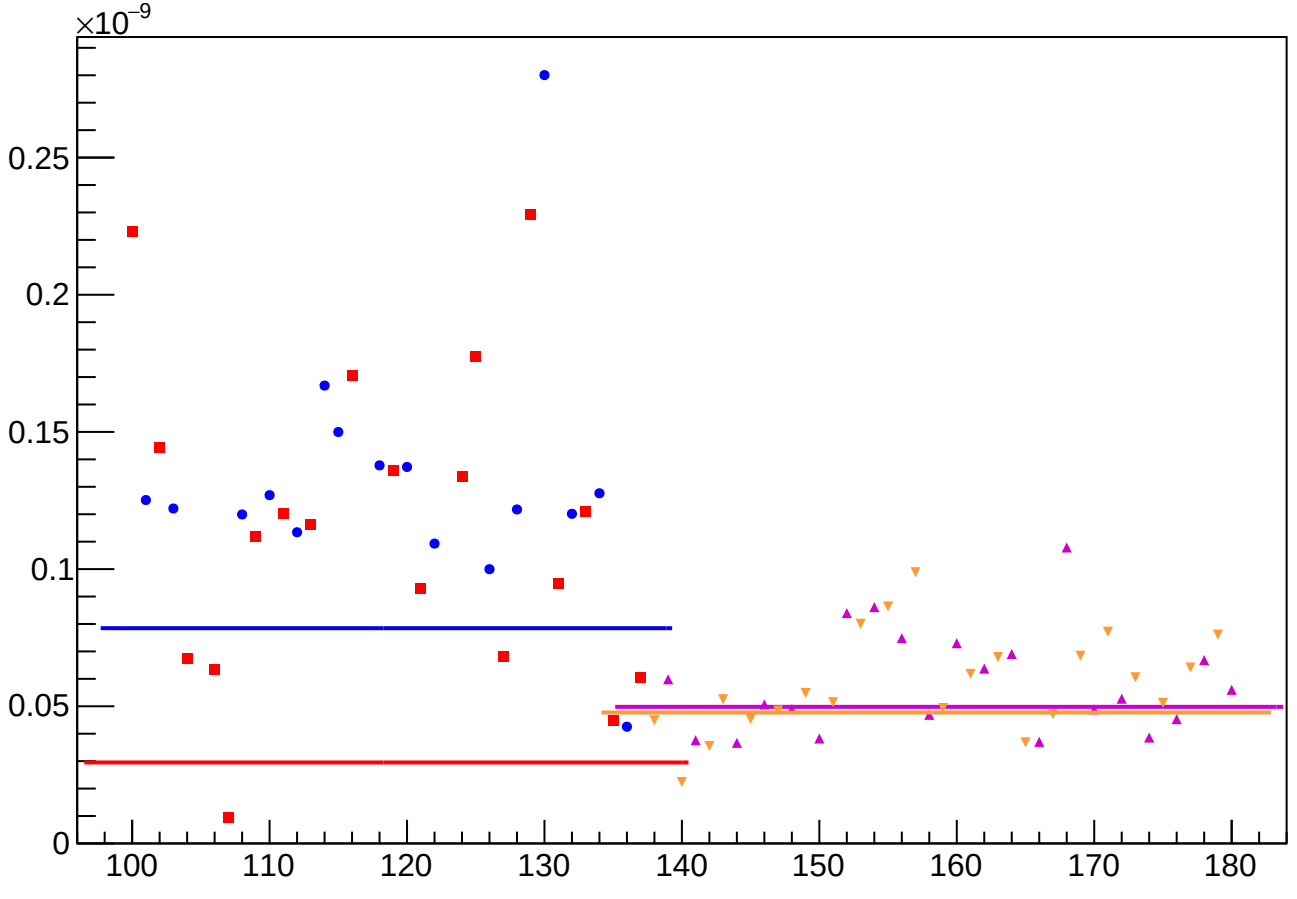
Left: -0.000+/-0.000 χ^2/NDF: 34.5/42

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:28.9/36

Out: 0.000+/-0.000 χ^2/NDF:33.7/40

All: 0.000+/-0.000 χ^2/NDF: 62.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2757398.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1768031.8/20

Left: 0.000+/-0.000 χ^2/NDF: 4544040.5/42

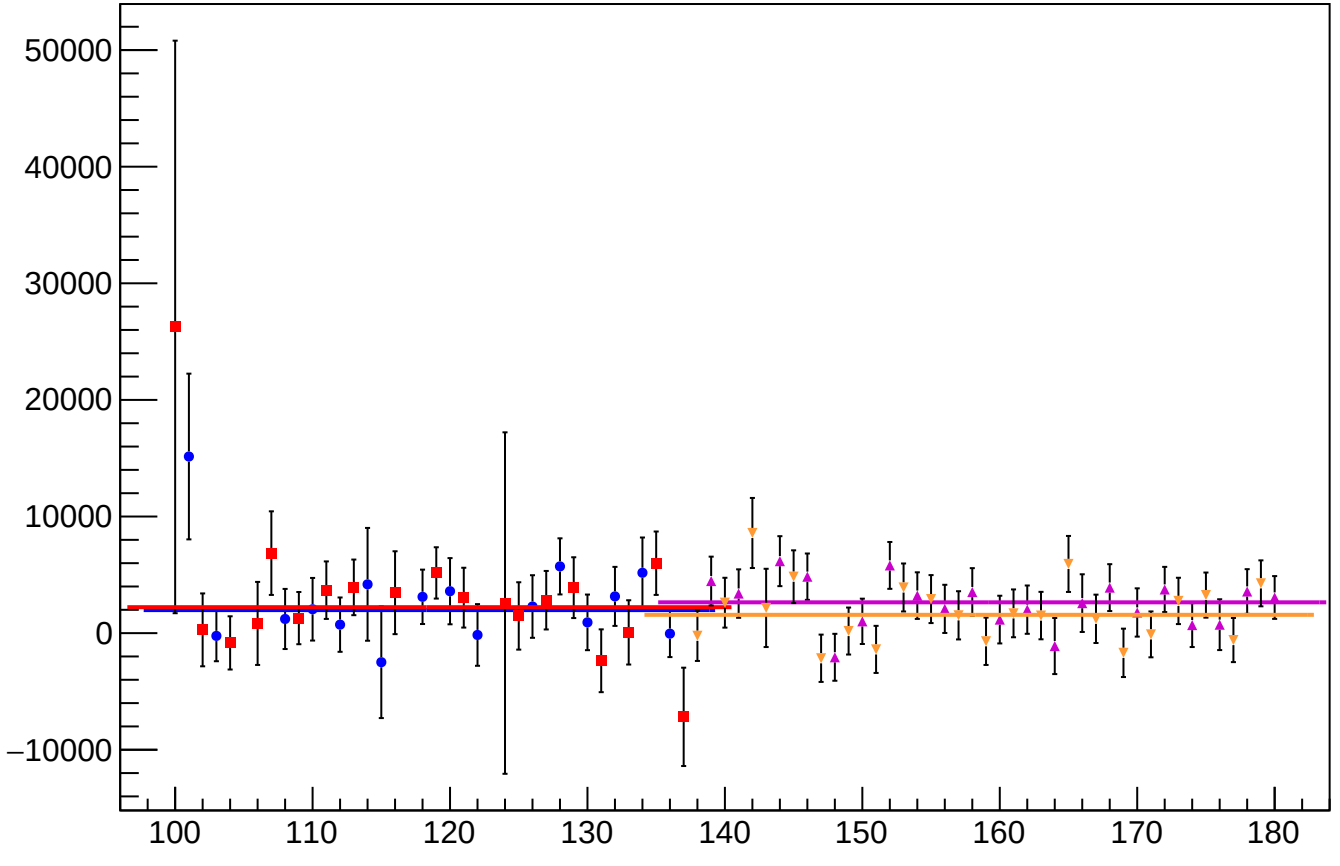
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4679469.0/36

Out: 0.000+/-0.000 χ^2/NDF:9125457.3/40

All: 0.000+/-0.000 χ^2/NDF: 14449510.4/77

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.893+/-449.653 χ^2/NDF:28.3/21

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2641.936+/-445.776 χ^2/NDF:19.9/20

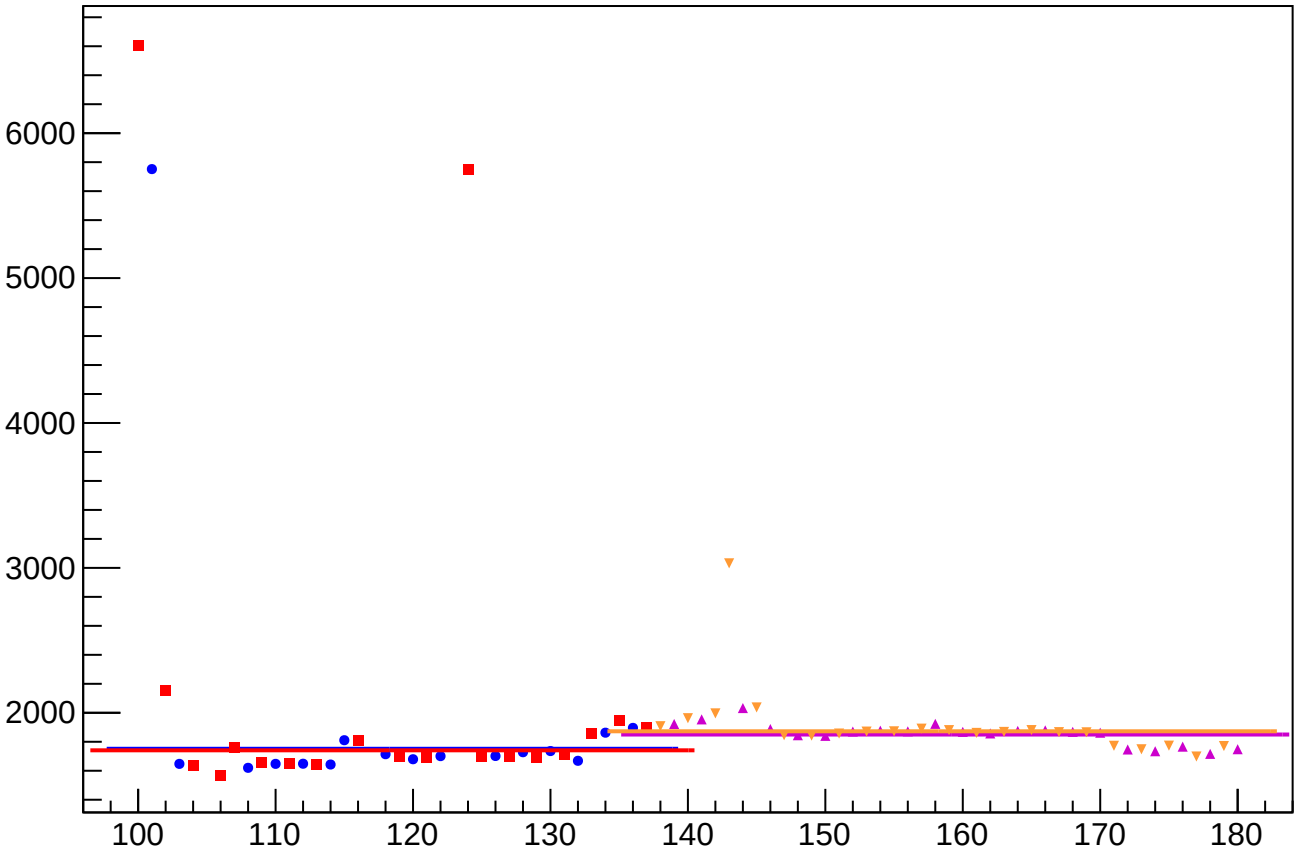
Left: 2110.557+/-316.573 χ^2/NDF: 51.1/42

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2436.720+/-370.745 χ^2/NDF:32.7/36

Out: 1779.550+/-370.940 χ^2/NDF:48.0/40

All: 2108.308+/-262.225 χ^2/NDF: 82.3/77



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.4/21

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

Left: 1861.045+/-0.224 χ^2/NDF: 360025.0/42

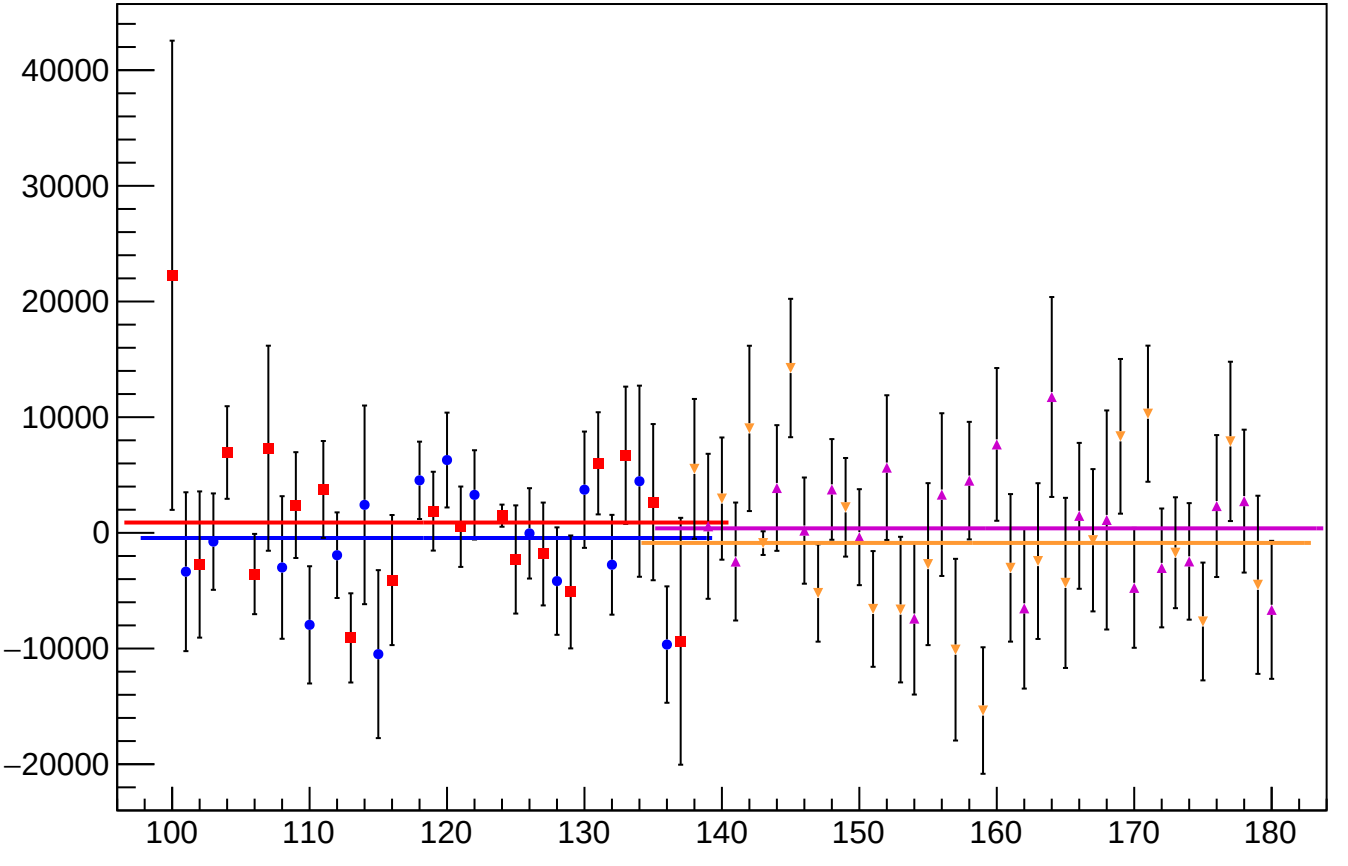
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1819.649+/-0.262 χ^2/NDF:759721.6/36

Out: 1829.953+/-0.262 χ^2/NDF:658137.6/40

All: 1824.811+/-0.185 χ^2/NDF: 1418633.0/77

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -870.573+/-796.317 χ^2/NDF:31.7/21

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 389.724+/-1237.830 χ^2/NDF:11.7/20

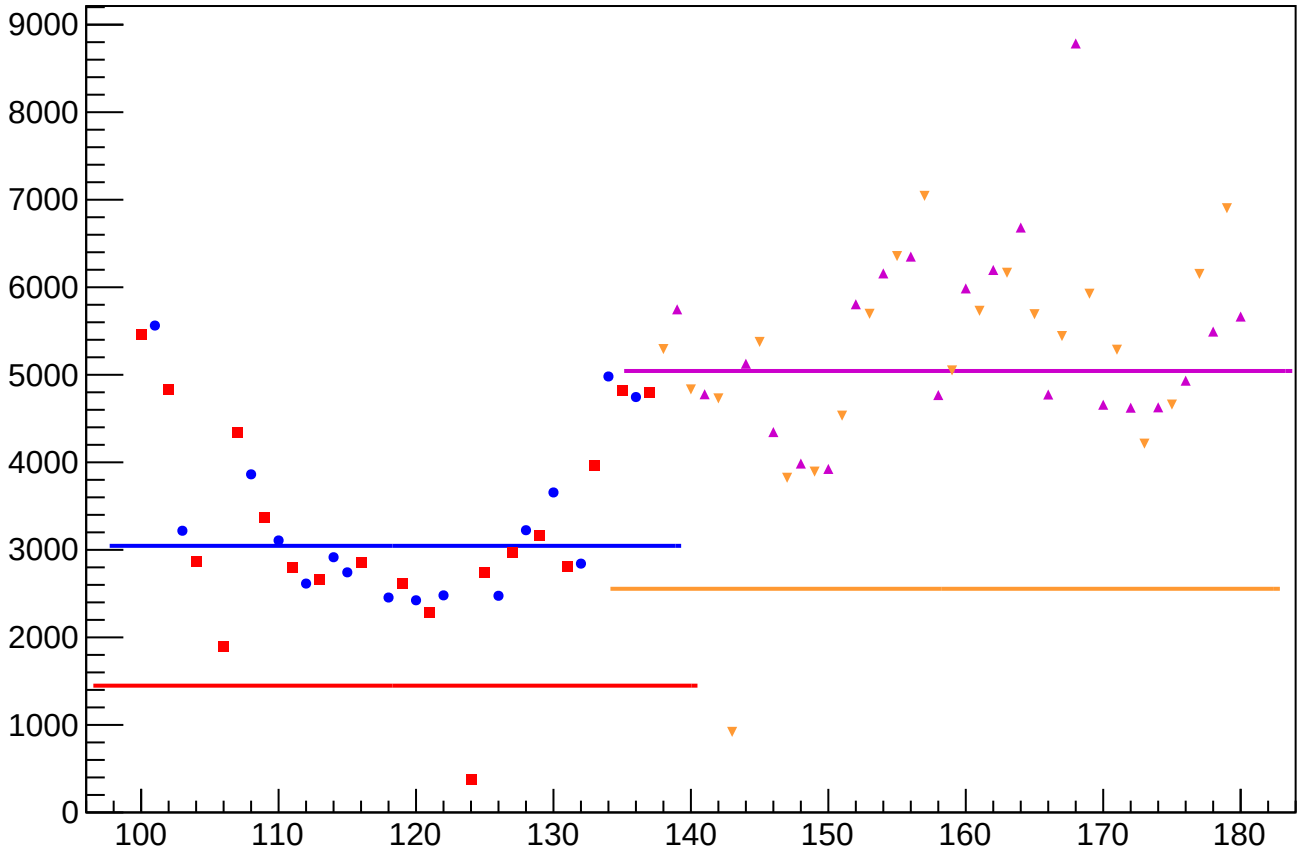
Left: -501.665+/-669.705 χ^2/NDF: 44.1/42

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -49.172+/-851.986 χ^2/NDF:27.8/36

Out: 92.401+/-536.394 χ^2/NDF:54.5/40

All: 52.214+/-453.924 χ^2/NDF: 82.3/77



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2555.257+/-0.563 χ^2/NDF:13953164.2/21

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5043.593+/-0.875 χ^2/NDF:1058100.4/20

Left: 3283.630+/-0.474 χ^2/NDF: 20727642.0/42

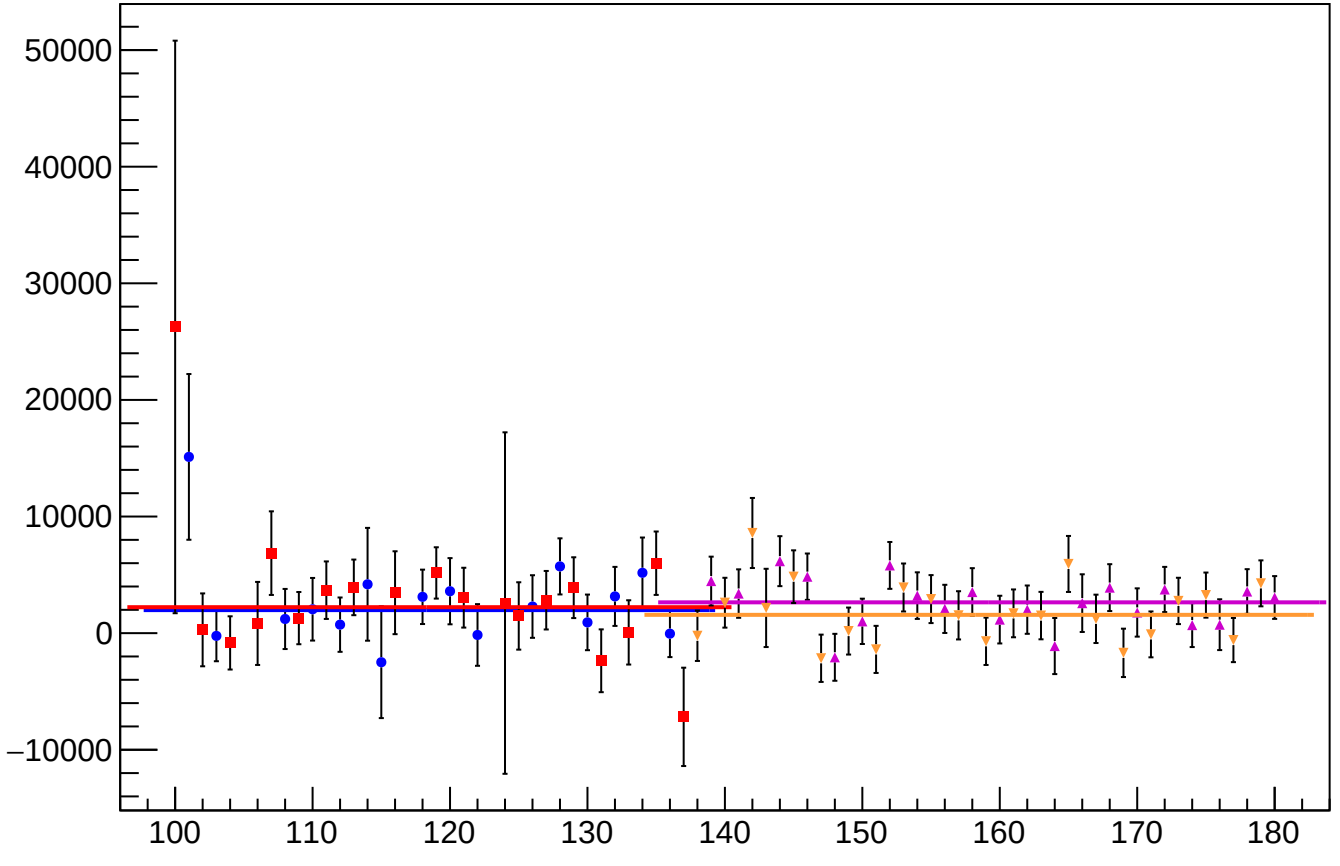
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3992.303+/-0.602 χ^2/NDF:4706779.2/36

Out: 1950.677+/-0.379 χ^2/NDF:22850448.4/40

All: 2530.209+/-0.321 χ^2/NDF: 35781860.0/7

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2641.964+/-445.776 χ^2/NDF:19.9/20

Left: 2110.556+/-316.573 χ^2/NDF: 51.1/42

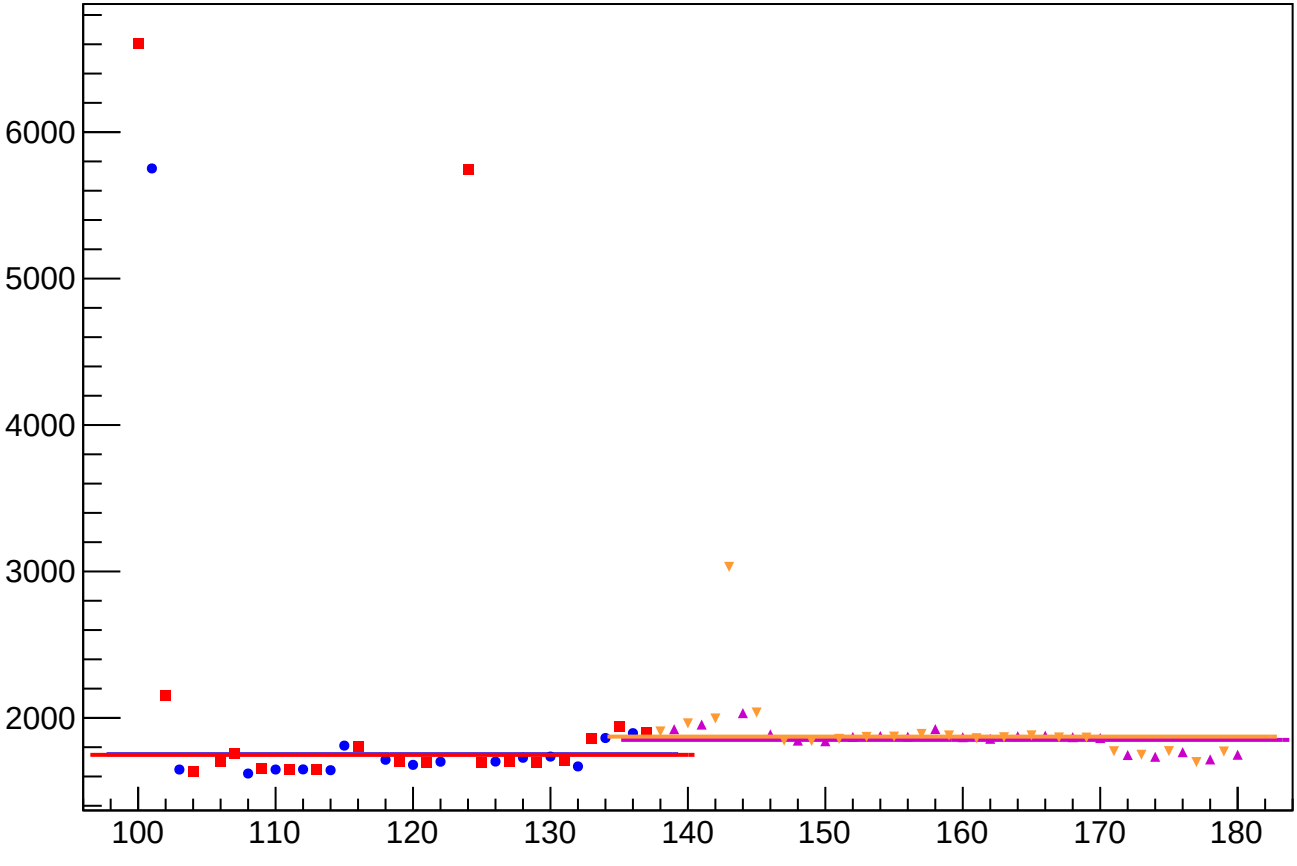
Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2436.630+/-370.745 χ^2/NDF:32.7/36

Out: 1779.559+/-370.940 χ^2/NDF:48.0/40

All: 2108.268+/-262.225 χ^2/NDF: 82.3/77

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

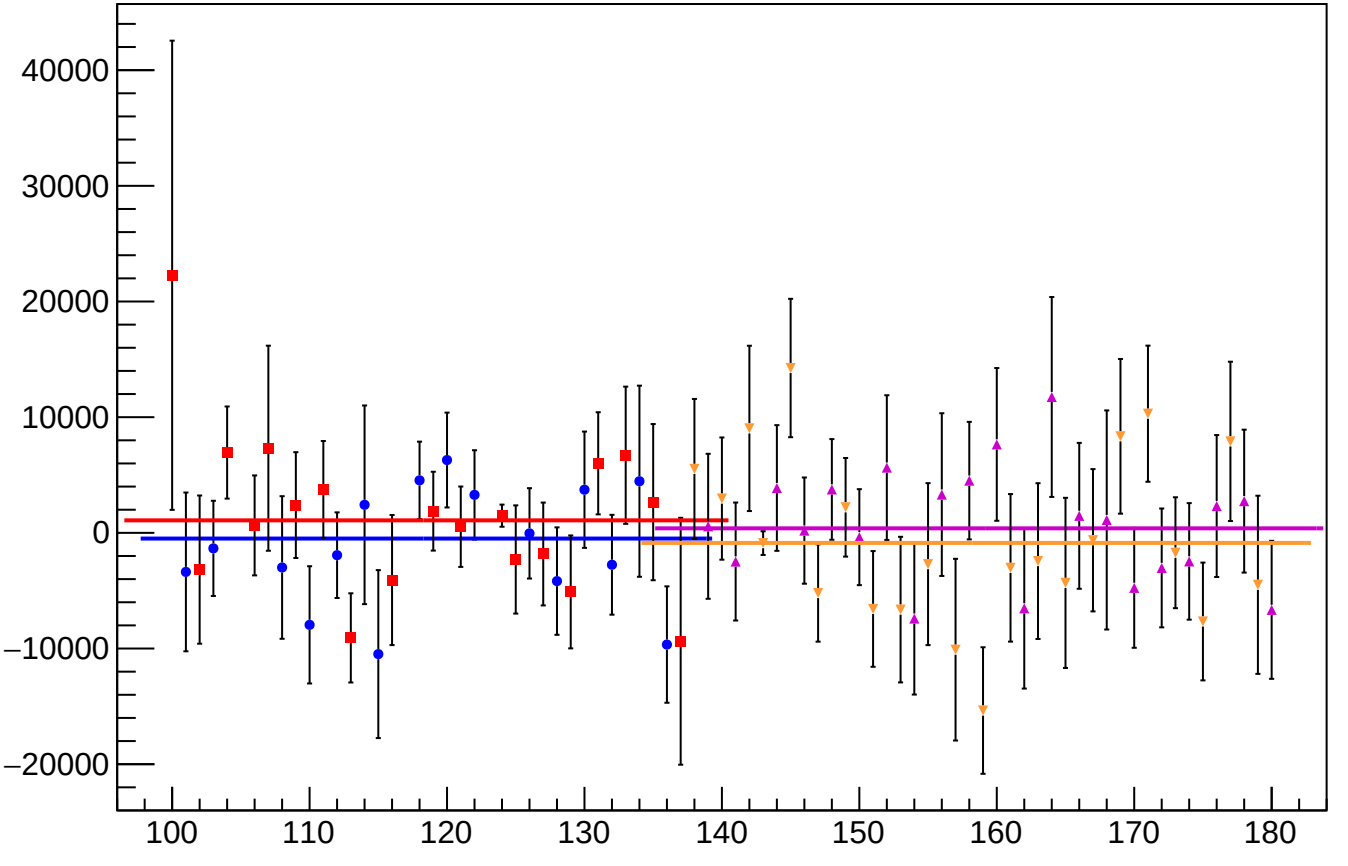
Left: 1861.045+/-0.224 χ^2/NDF: 360024.9/42

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1819.649+/-0.262 χ^2/NDF:759722.0/36

Out: 1832.324+/-0.262 χ^2/NDF:645659.3/40

All: 1825.991+/-0.185 χ^2/NDF: 1406550.8/77



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 389.789+/-1237.830 χ^2/NDF:11.7/20

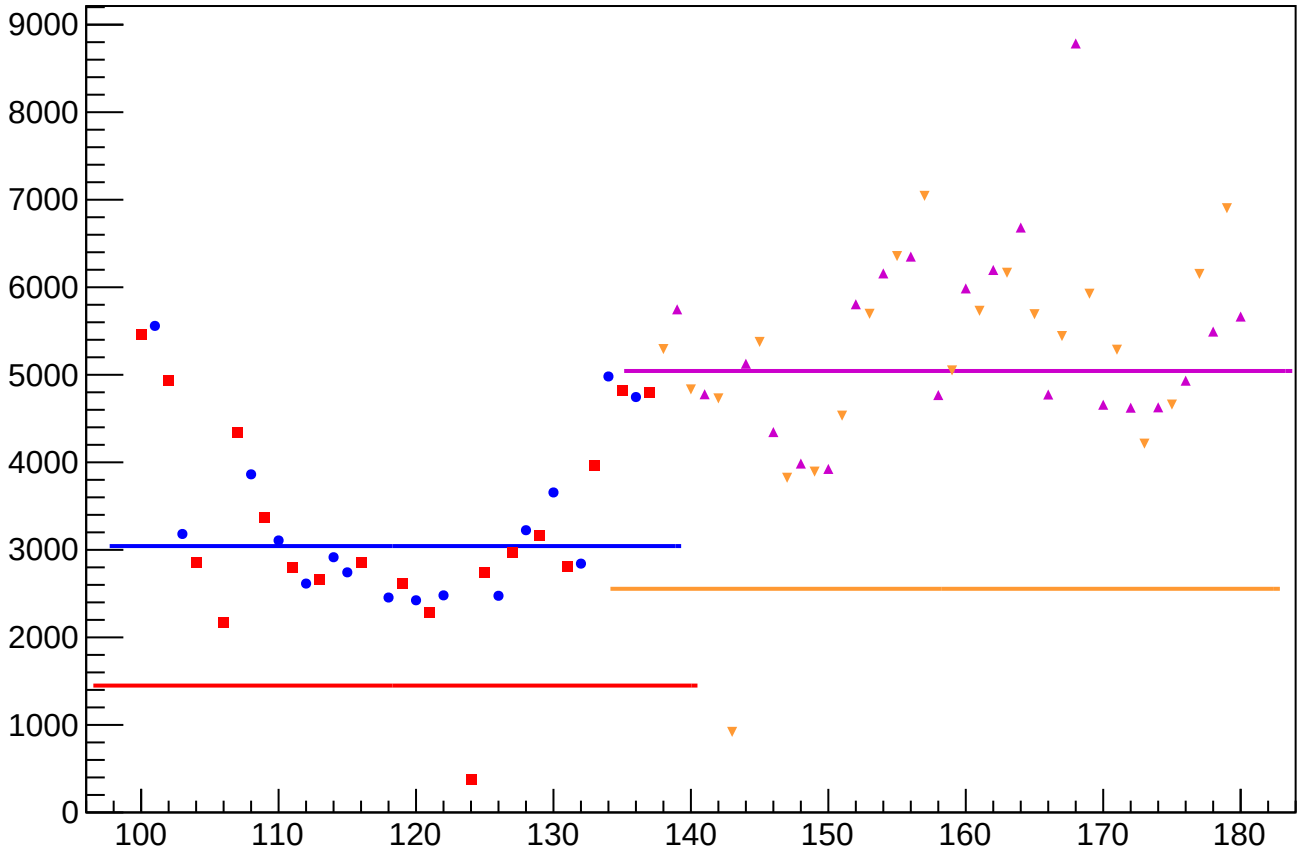
Left: -501.555+/-669.693 χ^2/NDF: 44.1/42

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -75.194+/-851.524 χ^2/NDF:27.9/36

Out: 187.917+/-538.685 χ^2/NDF:53.4/40

All: 112.716+/-455.240 χ^2/NDF: 81.4/77



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

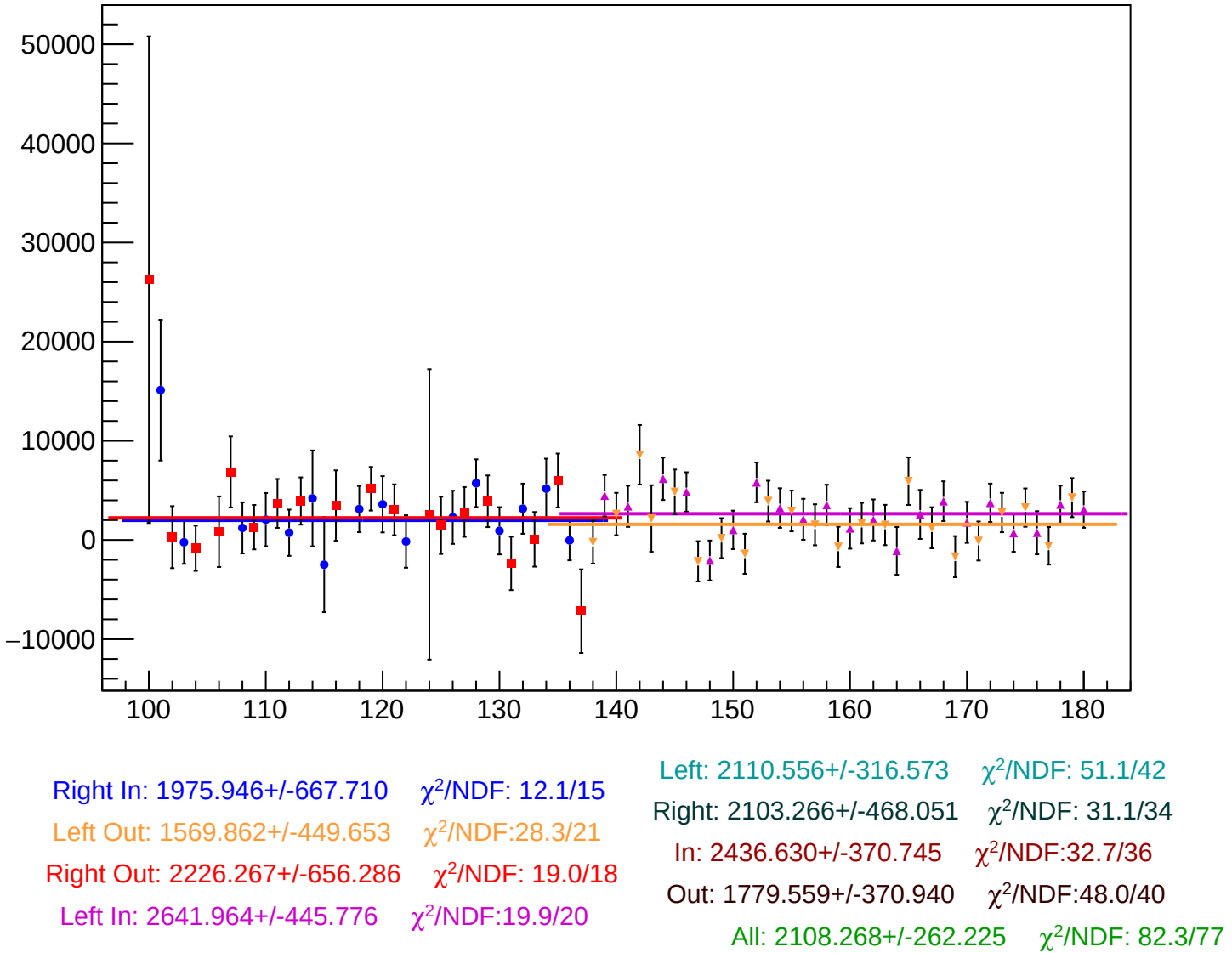
Left: 3283.530+/-0.474 χ^2/NDF: 20728865.4/42

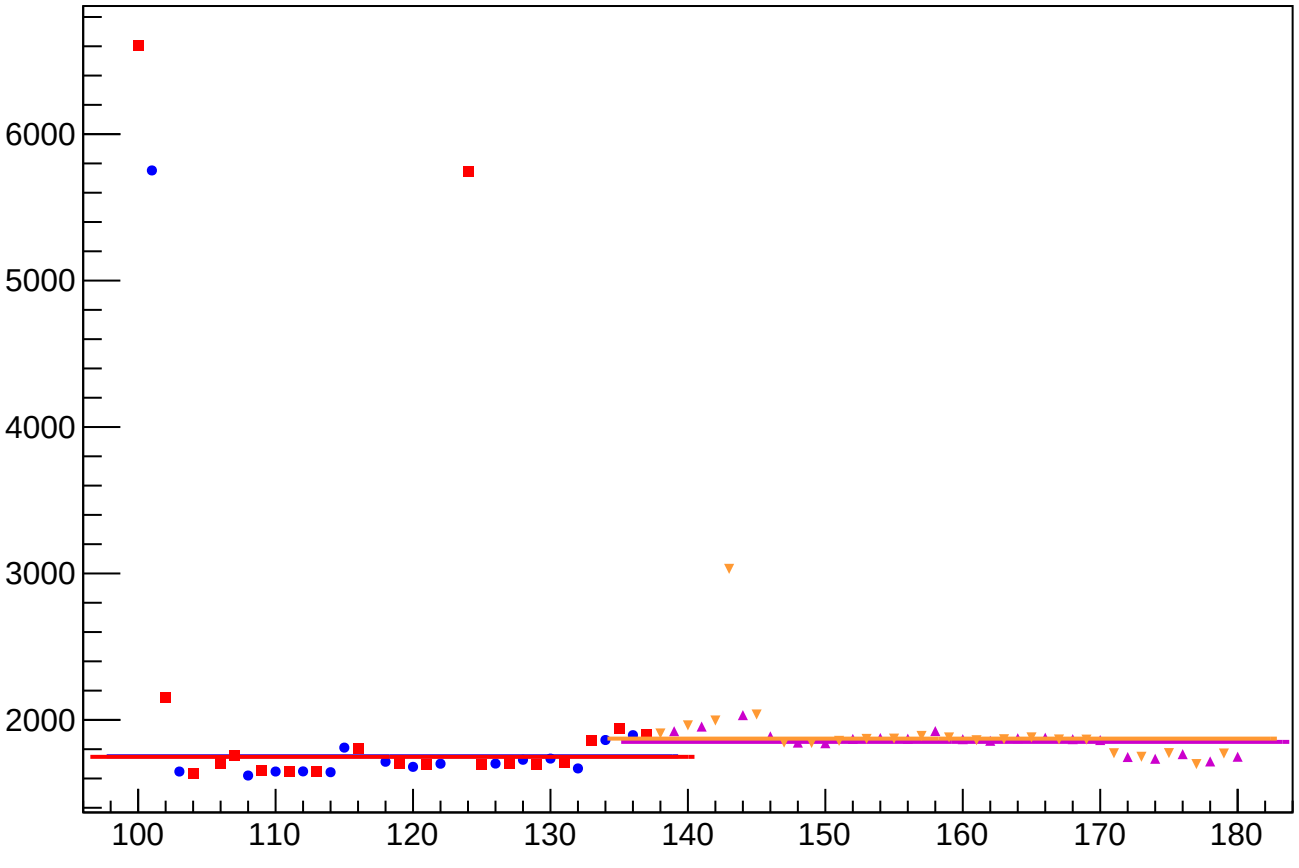
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3989.883+/-0.602 χ^2/NDF:4715006.1/36

Out: 1955.494+/-0.381 χ^2/NDF:22870742.4/40

All: 2536.955+/-0.322 χ^2/NDF: 35738682.9/7


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 1975.946+/-667.710 χ²/NDF: 12.1/15
Left Out: 1569.862+/-449.653 χ²/NDF:28.3/21
Right Out: 2226.267+/-656.286 χ²/NDF: 19.0/18
Left In: 2641.964+/-445.776 χ²/NDF:19.9/20
Left: 2110.556+/-316.573 χ²/NDF: 51.1/42
Right: 2103.266+/-468.051 χ²/NDF: 31.1/34
In: 2436.630+/-370.745 χ²/NDF:32.7/36
Out: 1779.559+/-370.940 χ²/NDF:48.0/40
All: 2108.268+/-262.225 χ²/NDF: 82.3/77



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1849.977+/-0.315 χ^2/NDF:59044.1/20

Left: 1861.045+/-0.224 χ^2/NDF: 360024.9/42

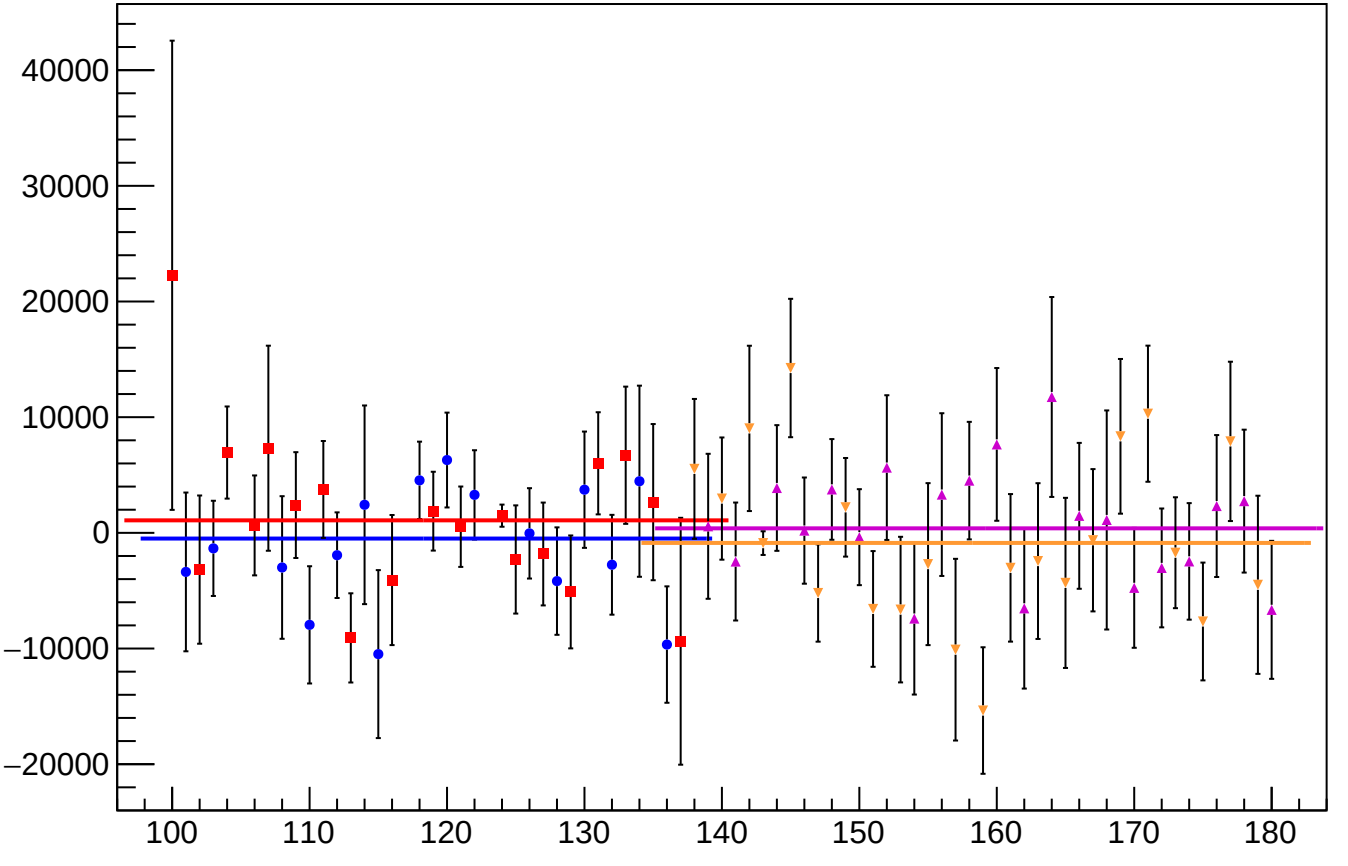
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1819.649+/-0.262 χ^2/NDF:759722.0/36

Out: 1832.324+/-0.262 χ^2/NDF:645659.3/40

All: 1825.991+/-0.185 χ^2/NDF: 1406550.8/77

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 389.789+/-1237.830 χ^2/NDF:11.7/20

Left: -501.555+/-669.693 χ^2/NDF: 44.1/42

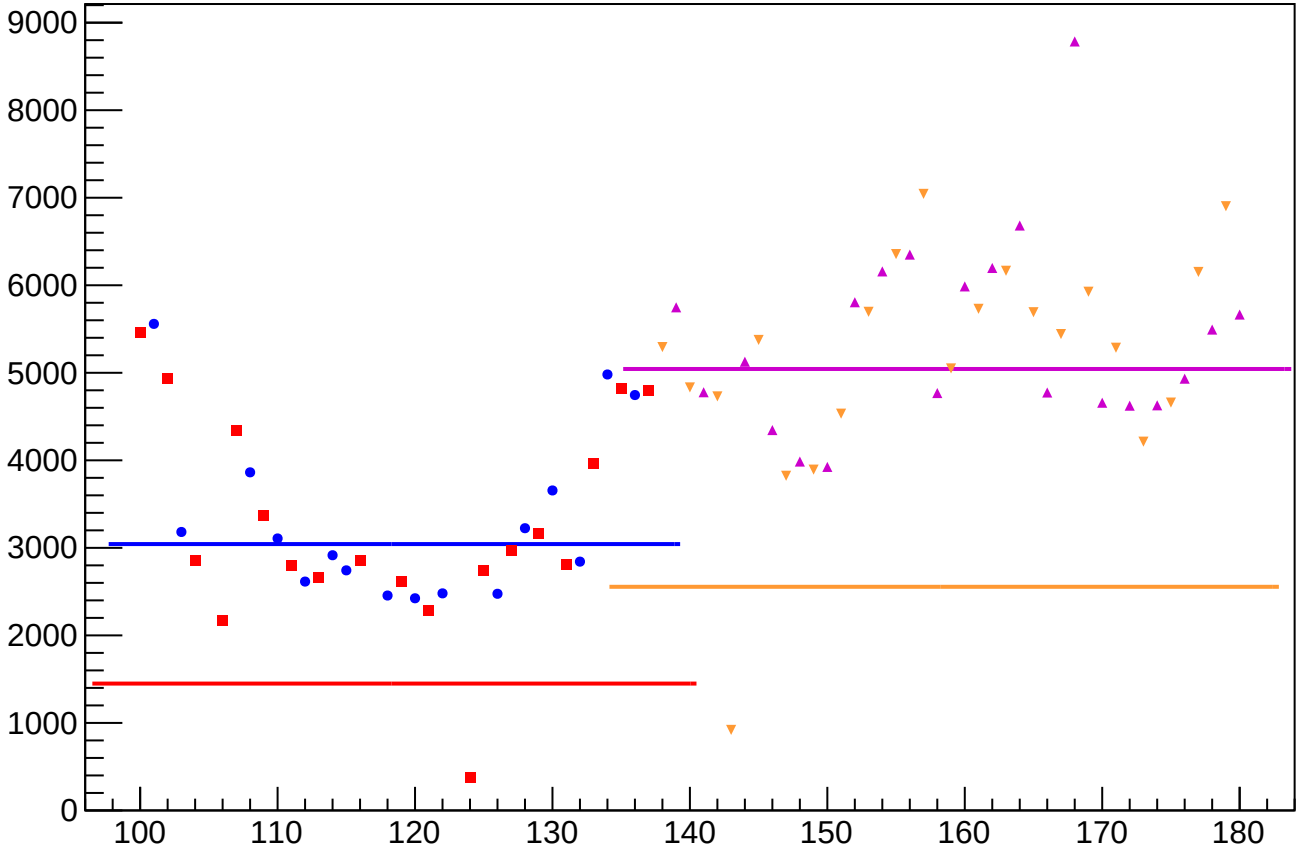
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -75.194+/-851.524 χ^2/NDF:27.9/36

Out: 187.917+/-538.685 χ^2/NDF:53.4/40

All: 112.716+/-455.240 χ^2/NDF: 81.4/77

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5043.593+/-0.875 χ^2/NDF:1058099.8/20

Left: 3283.530+/-0.474 χ^2/NDF: 20728865.4/42

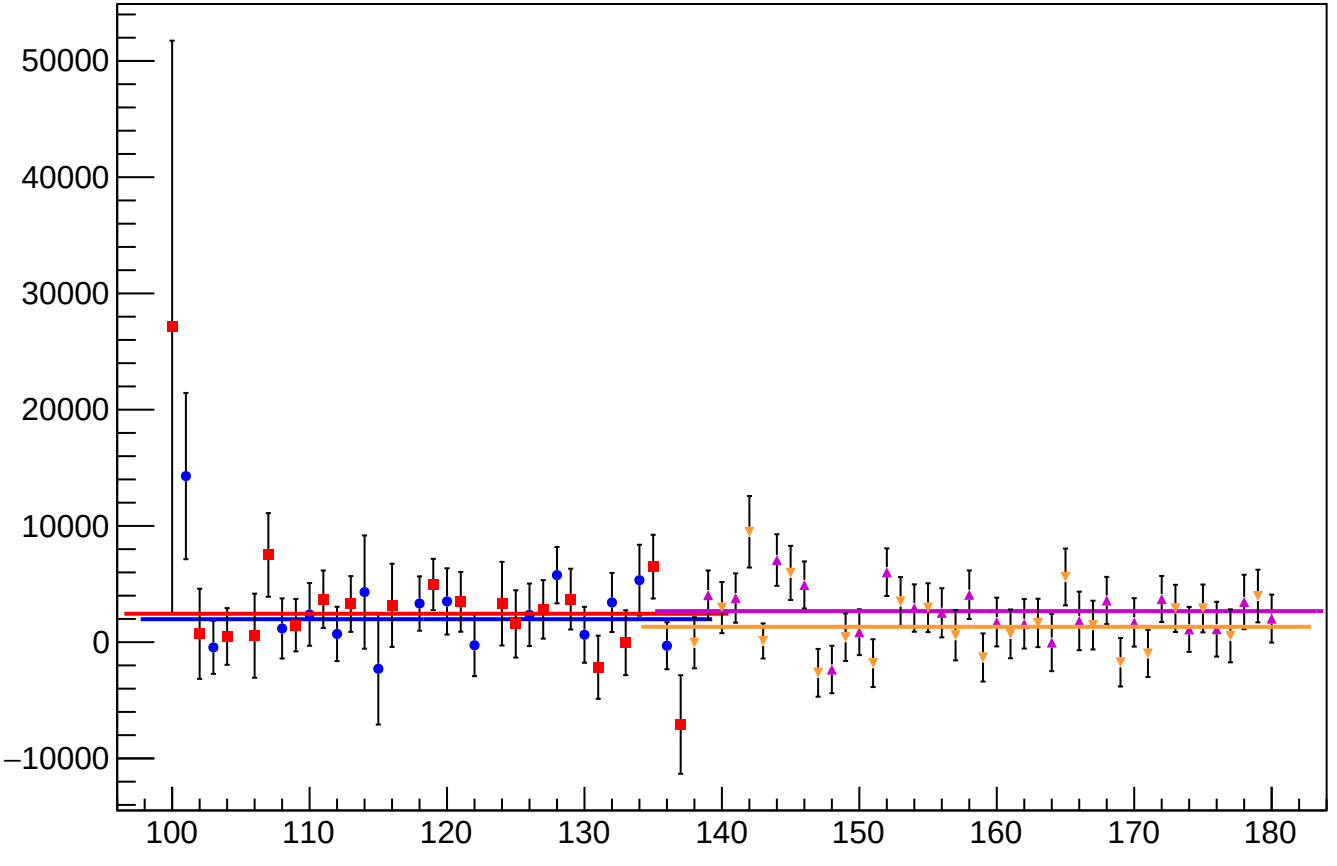
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3989.883+/-0.602 χ^2/NDF:4715006.1/36

Out: 1955.494+/-0.381 χ^2/NDF:22870742.4/40

All: 2536.955+/-0.322 χ^2/NDF: 35738682.9/7

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.770+/-449.524 χ^2/NDF:31.6/21

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2671.123+/-462.059 χ^2/NDF:19.7/20

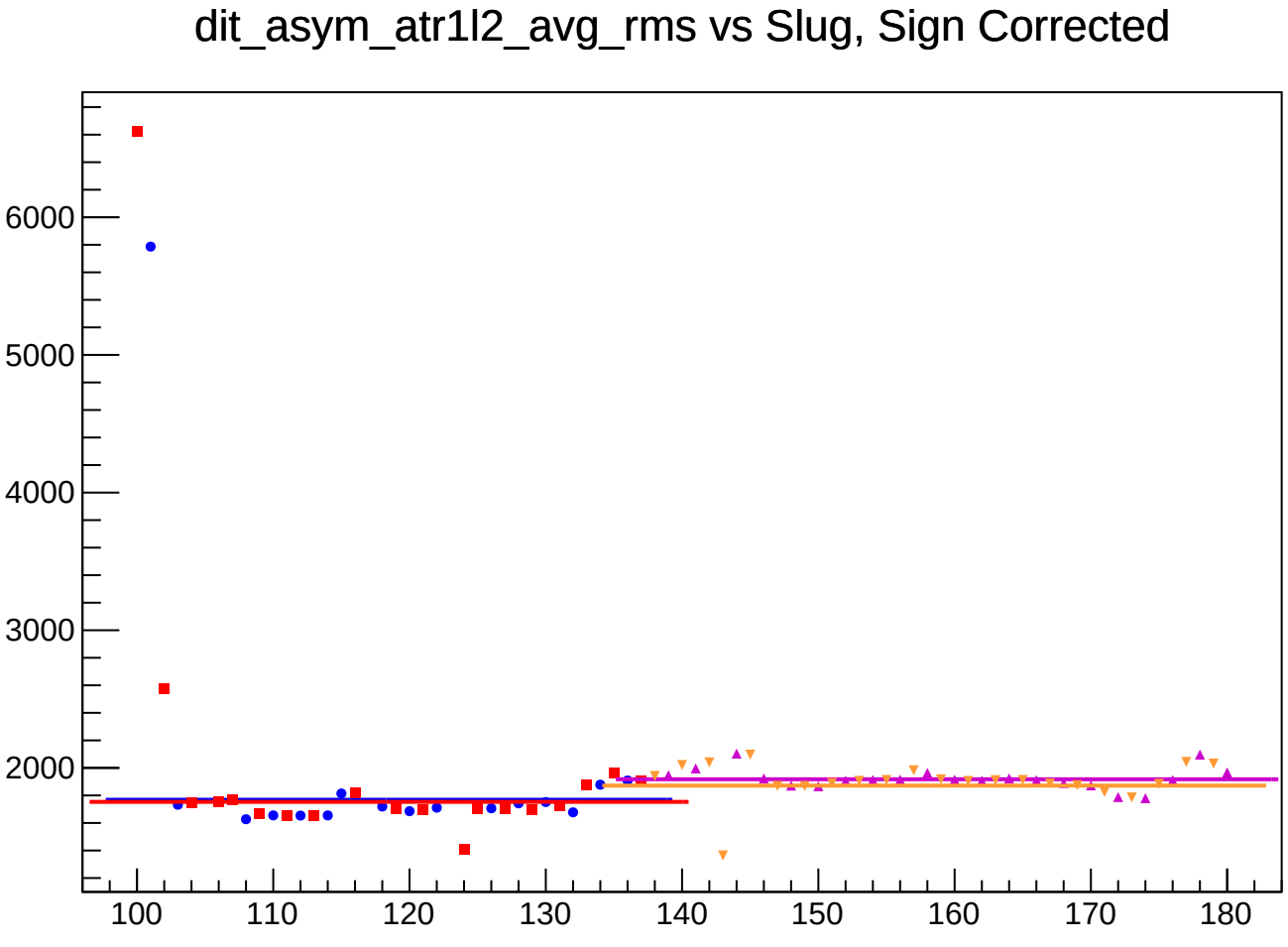
Left: 1977.895+/-322.202 χ^2/NDF: 55.7/42

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2448.857+/-381.119 χ^2/NDF:32.8/36

Out: 1679.168+/-371.119 χ^2/NDF:51.0/40

All: 2053.782+/-265.886 χ^2/NDF: 86.0/77



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.396+/-0.318 χ^2/NDF:297254.3/21

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1917.476+/-0.327 χ^2/NDF:53507.1/20

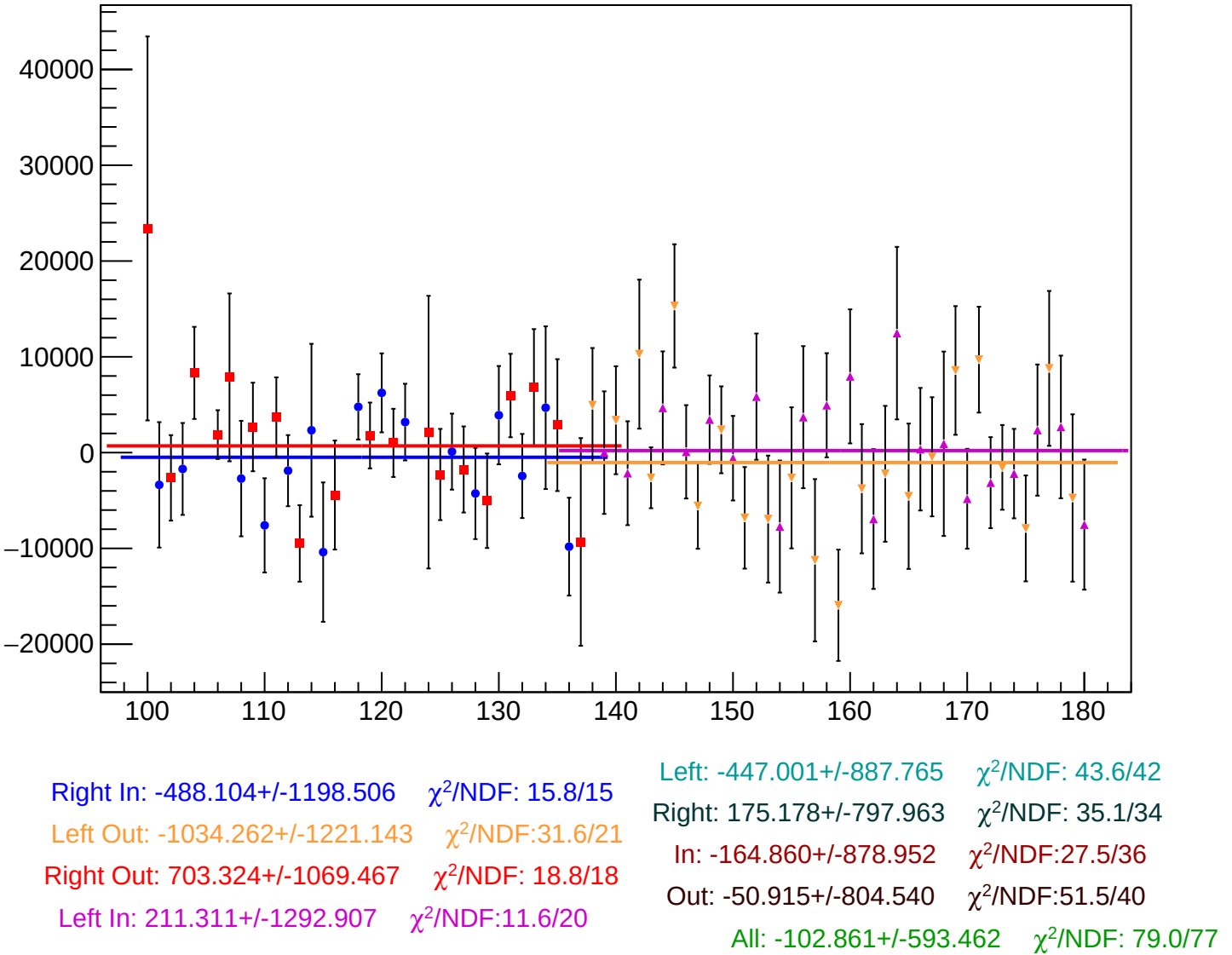
Left: 1893.803+/-0.228 χ^2/NDF: 360980.5/42

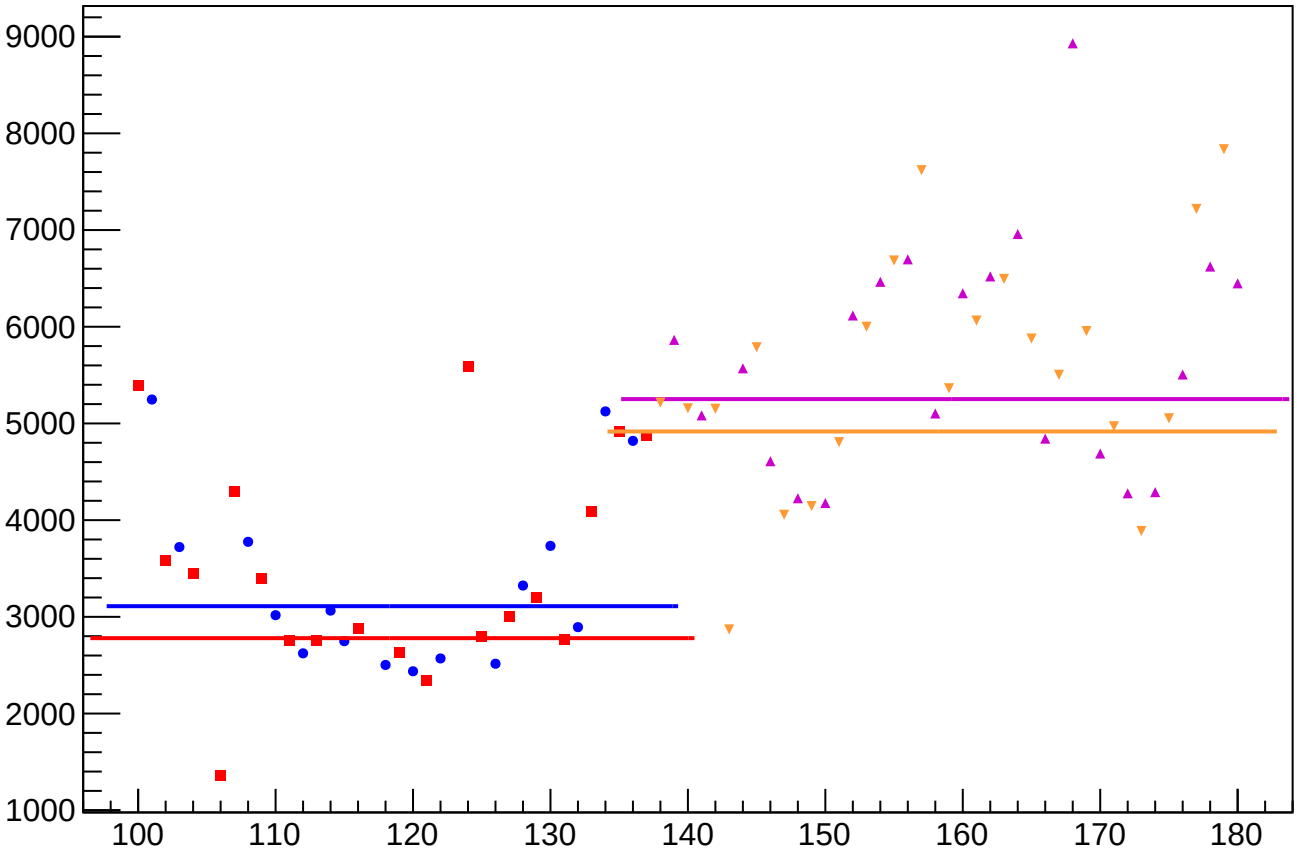
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1869.848+/-0.269 χ^2/NDF:787352.1/36

Out: 1833.682+/-0.262 χ^2/NDF:560169.3/40

All: 1851.269+/-0.188 χ^2/NDF: 1356773.1/77


asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -488.104+/-1198.506 χ²/NDF: 15.8/15
Left Out: -1034.262+/-1221.143 χ²/NDF:31.6/21
Right Out: 703.324+/-1069.467 χ²/NDF: 18.8/18
Left In: 211.311+/-1292.907 χ²/NDF:11.6/20
Left: -447.001+/-887.765 χ²/NDF: 43.6/42
Right: 175.178+/-797.963 χ²/NDF: 35.1/34
In: -164.860+/-878.952 χ²/NDF:27.5/36
Out: -50.915+/-804.540 χ²/NDF:51.5/40
All: -102.861+/-593.462 χ²/NDF: 79.0/77



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4916.854+/-0.863 χ^2/NDF:2144495.0/21

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5251.624+/-0.914 χ^2/NDF:1258405.4/20

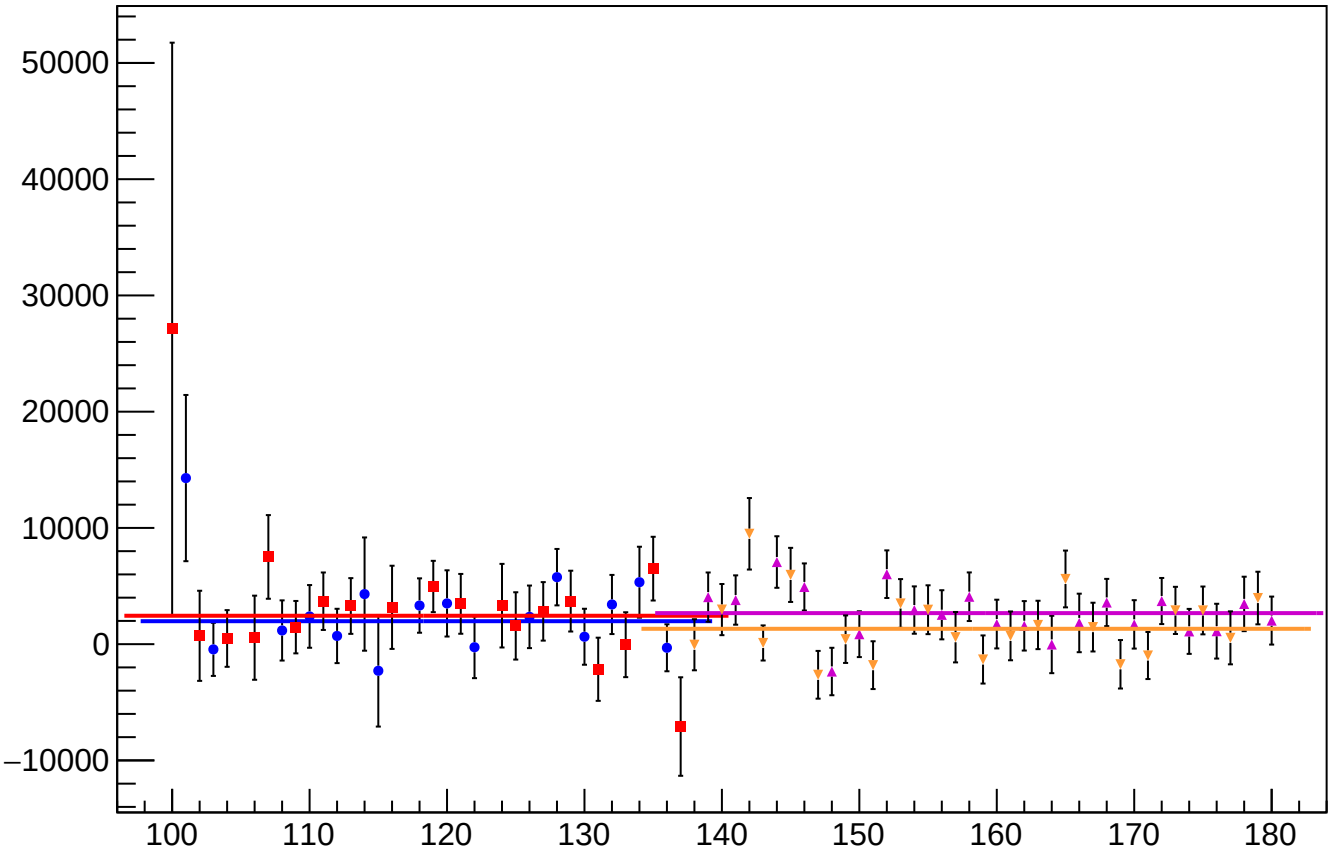
Left: 5074.691+/-0.628 χ^2/NDF: 3473768.4/42

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4099.852+/-0.622 χ^2/NDF:5092729.3/36

Out: 3707.341+/-0.569 χ^2/NDF:6959667.3/40

All: 3886.281+/-0.420 χ^2/NDF: 12269414.0/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.768+/-449.524 χ^2/NDF:31.6/21

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2671.122+/-462.059 χ^2/NDF:19.7/20

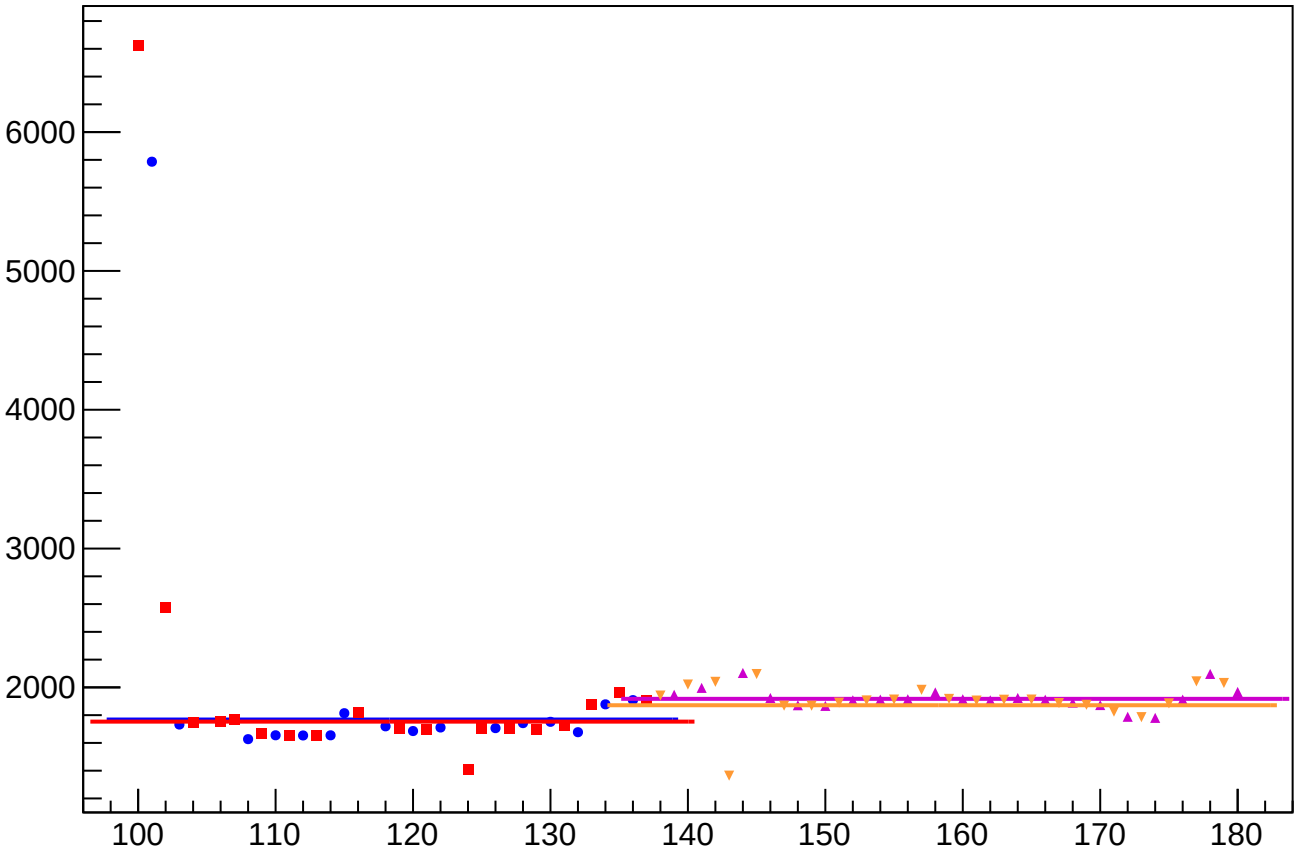
Left: 1977.894+/-322.202 χ^2/NDF: 55.7/42

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2448.856+/-381.119 χ^2/NDF:32.8/36

Out: 1679.167+/-371.119 χ^2/NDF:51.0/40

All: 2053.782+/-265.886 χ^2/NDF: 86.0/77



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.397+/-0.318 χ^2/NDF:297257.8/21

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1917.477+/-0.327 χ^2/NDF:53509.4/20

Left: 1893.804+/-0.228 χ^2/NDF: 360986.4/42

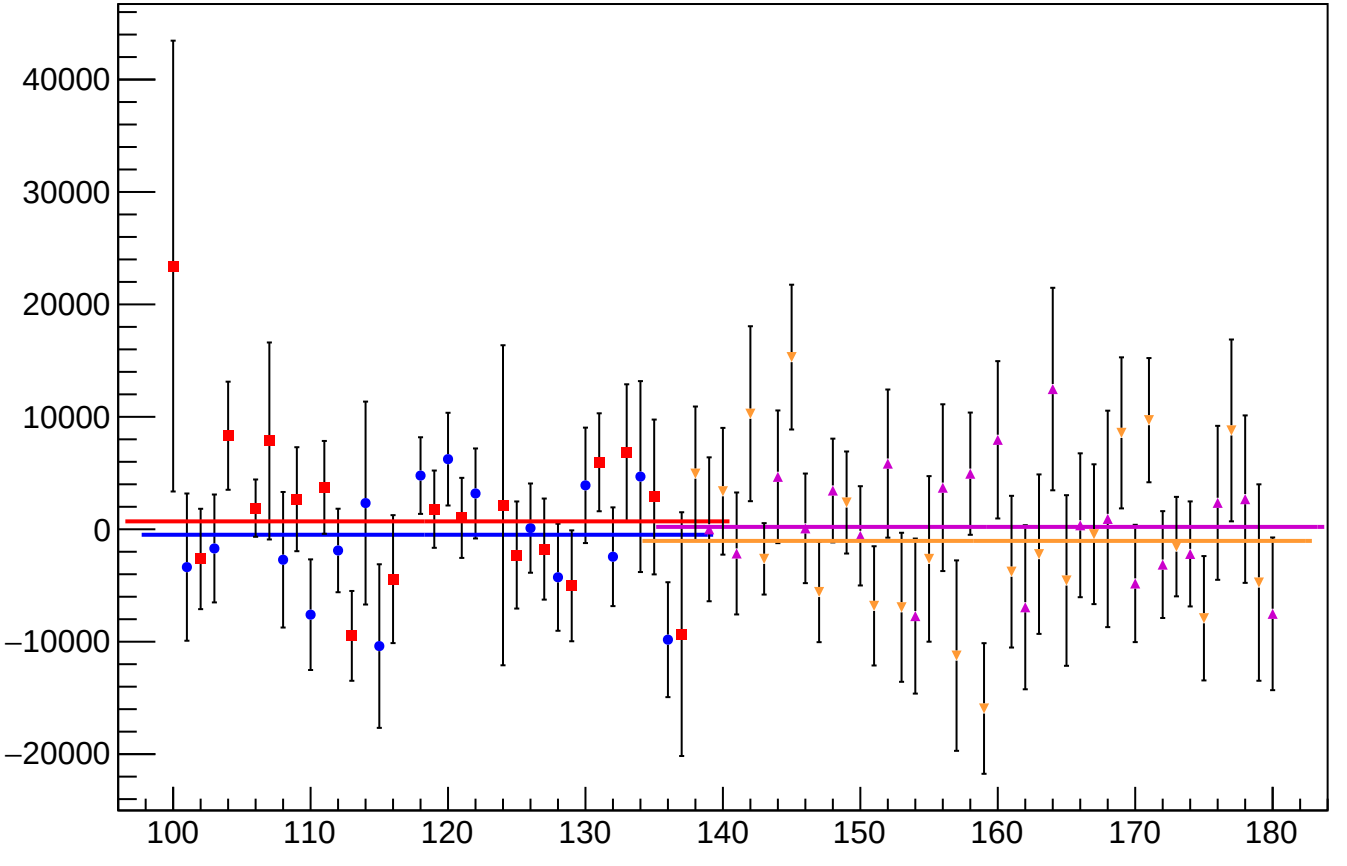
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1869.849+/-0.269 χ^2/NDF:787355.4/36

Out: 1833.683+/-0.262 χ^2/NDF:560173.7/40

All: 1851.270+/-0.188 χ^2/NDF: 1356780.8/77

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1034.267+/-1221.145 χ^2/NDF:31.6/21

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 211.311+/-1292.909 χ^2/NDF:11.6/20

Left: -447.004+/-887.766 χ^2/NDF: 43.6/42

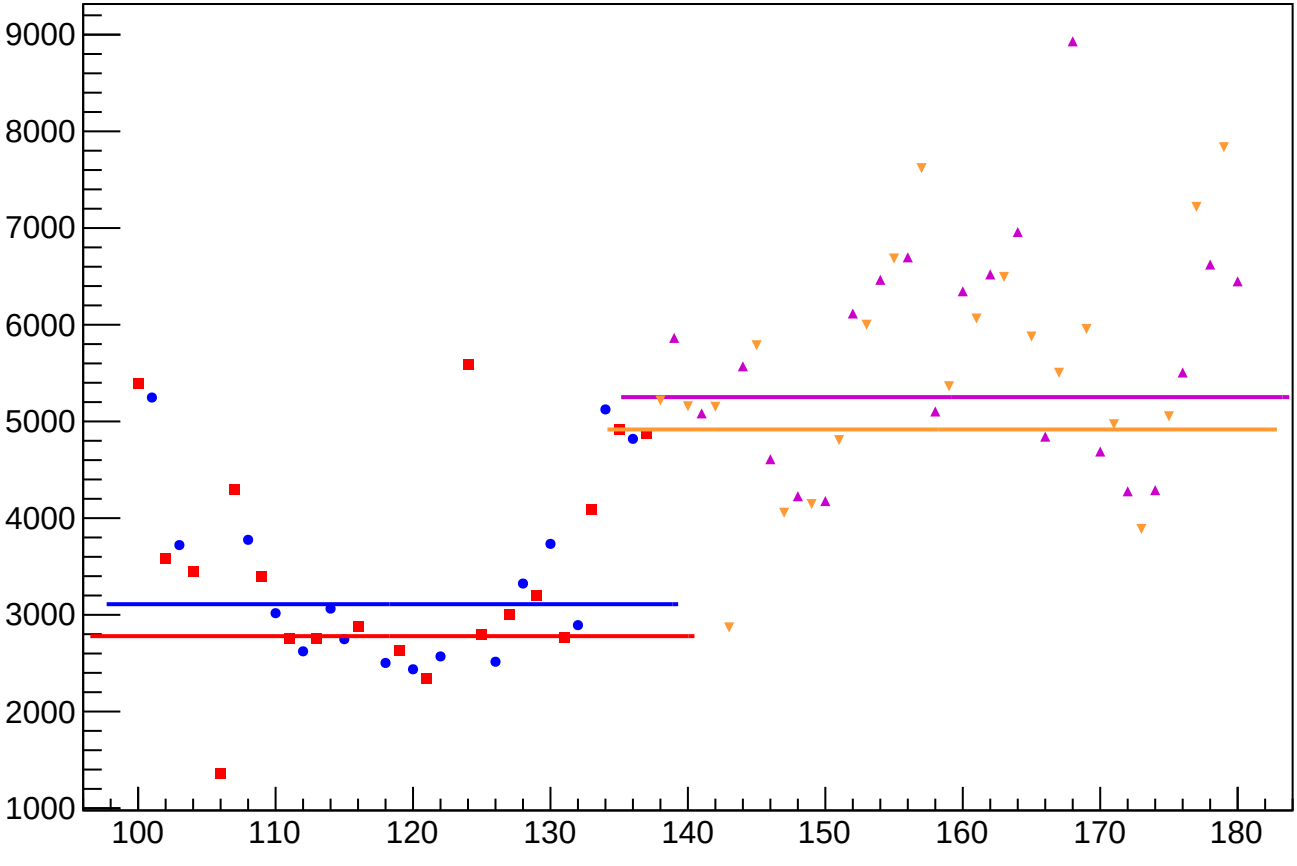
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -164.858+/-878.951 χ^2/NDF:27.5/36

Out: -50.912+/-804.539 χ^2/NDF:51.5/40

All: -102.858+/-593.461 χ^2/NDF: 79.0/77

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: 4916.861+/-0.863 χ^2/NDF:2144502.3/21

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5251.631+/-0.914 χ^2/NDF:1258407.2/20

Left: 5074.698+/-0.628 χ^2/NDF: 3473777.9/42

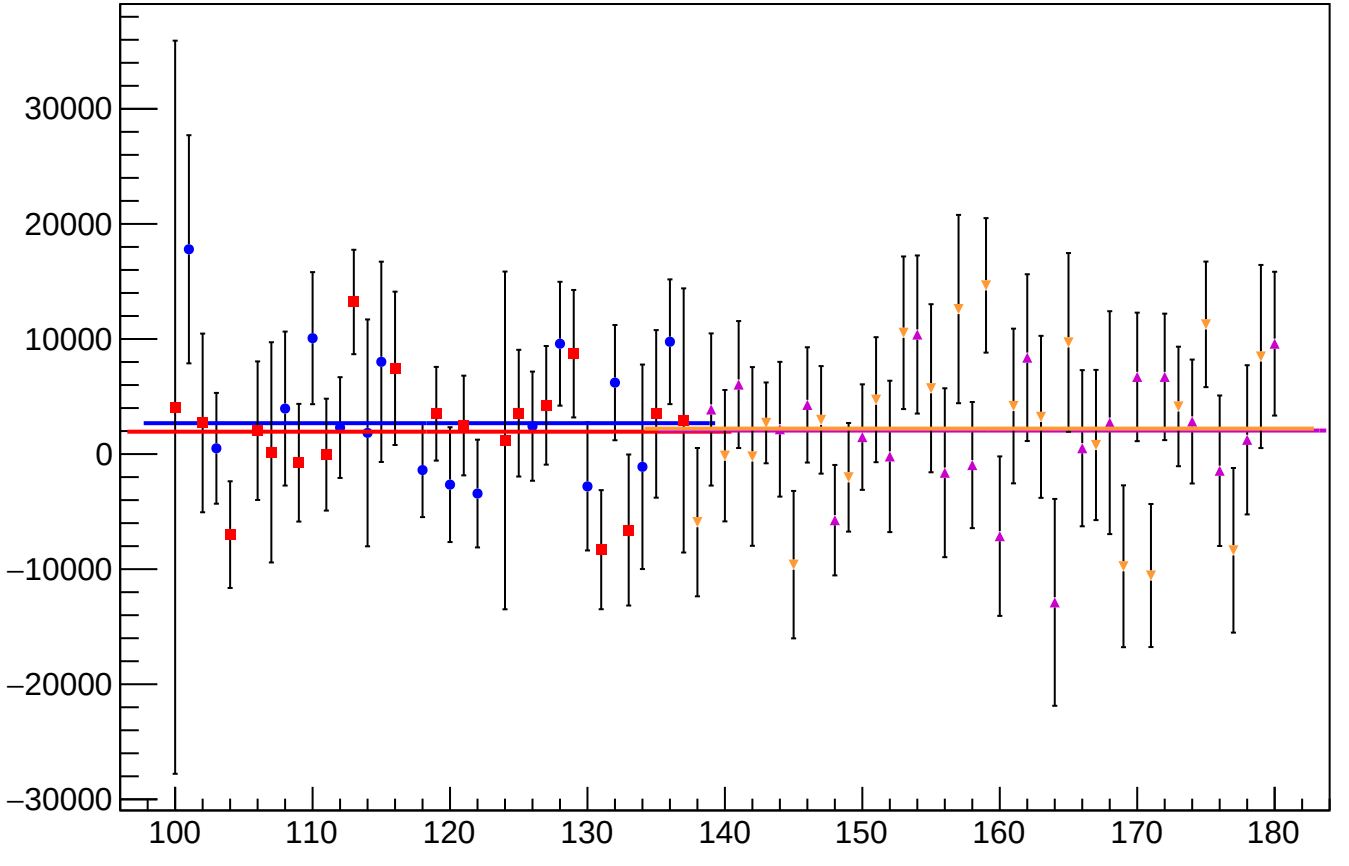
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4099.845+/-0.622 χ^2/NDF:5092797.4/36

Out: 3707.331+/-0.569 χ^2/NDF:6959762.6/40

All: 3886.272+/-0.420 χ^2/NDF: 12269580.9/7

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2213.128+/-1268.279 χ^2/NDF:28.2/21

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 2043.676+/-1325.625 χ^2/NDF:14.1/20

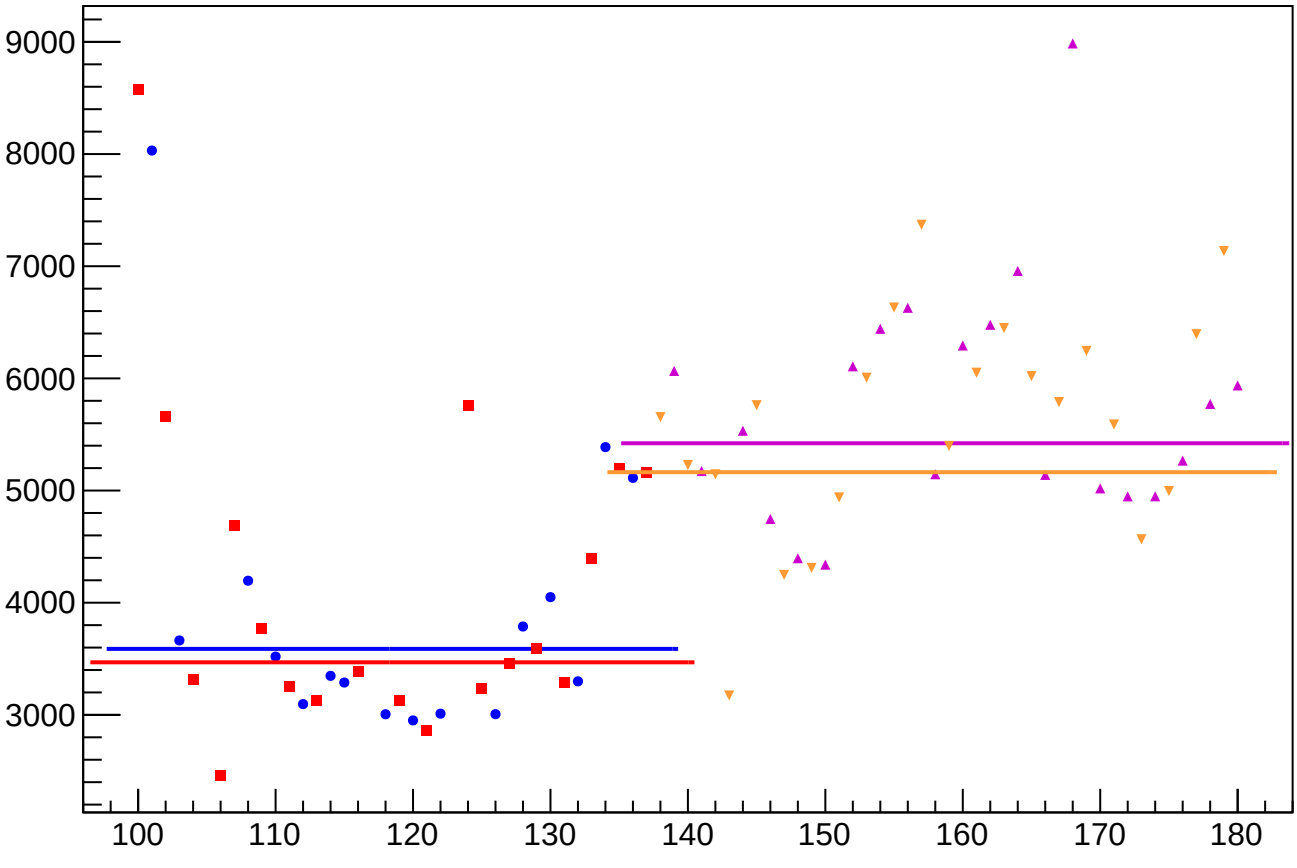
Left: 2132.146+/-916.412 χ^2/NDF: 42.3/42

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2351.675+/-955.973 χ^2/NDF:27.7/36

Out: 2086.055+/-918.833 χ^2/NDF:46.9/40

All: 2213.605+/-662.454 χ^2/NDF: 74.6/77



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5163.482+/-0.897 χ^2/NDF:1490546.6/21

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5421.553+/-0.937 χ^2/NDF:856120.5/20

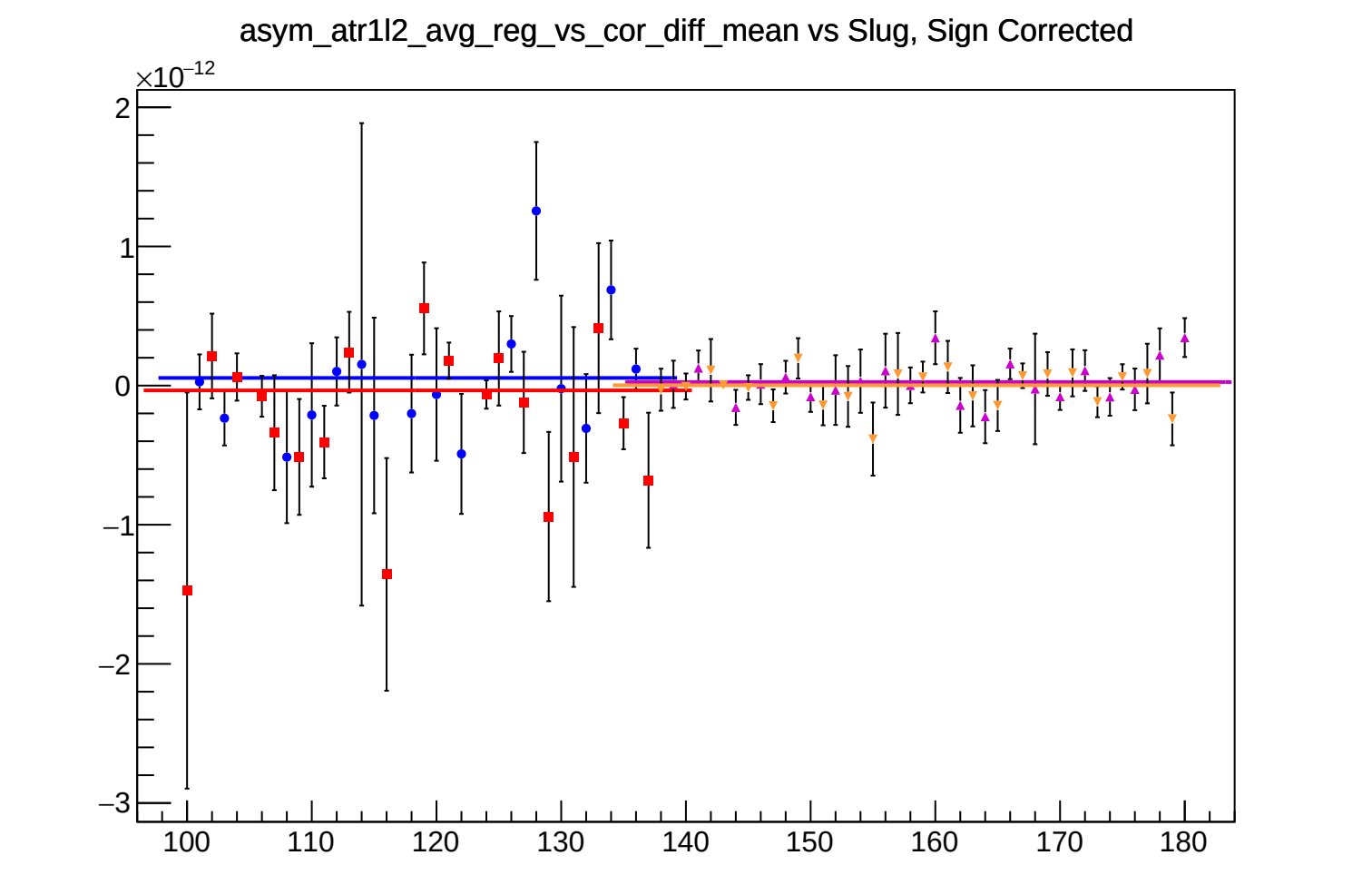
Left: 5286.815+/-0.648 χ^2/NDF: 2386241.7/42

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4541.753+/-0.676 χ^2/NDF:3536877.8/36

Out: 4345.242+/-0.645 χ^2/NDF:3881393.7/40

All: 4438.888+/-0.467 χ^2/NDF: 7462509.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/20

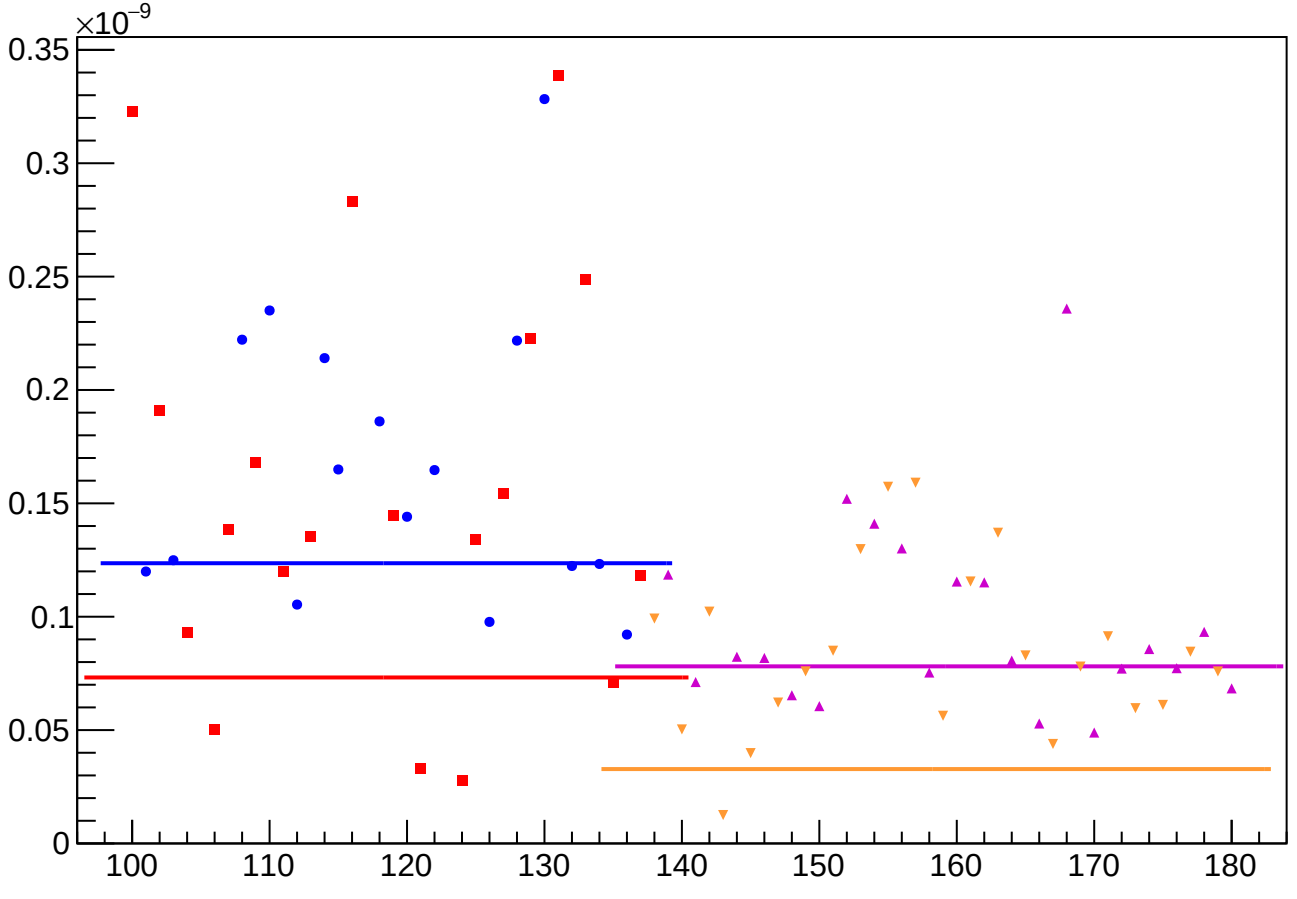
Left: 0.000+/-0.000 χ^2/NDF: 32.6/42

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:37.0/36

Out: -0.000+/-0.000 χ^2/NDF:35.7/40

All: 0.000+/-0.000 χ^2/NDF: 73.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6110546.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1388960.6/20

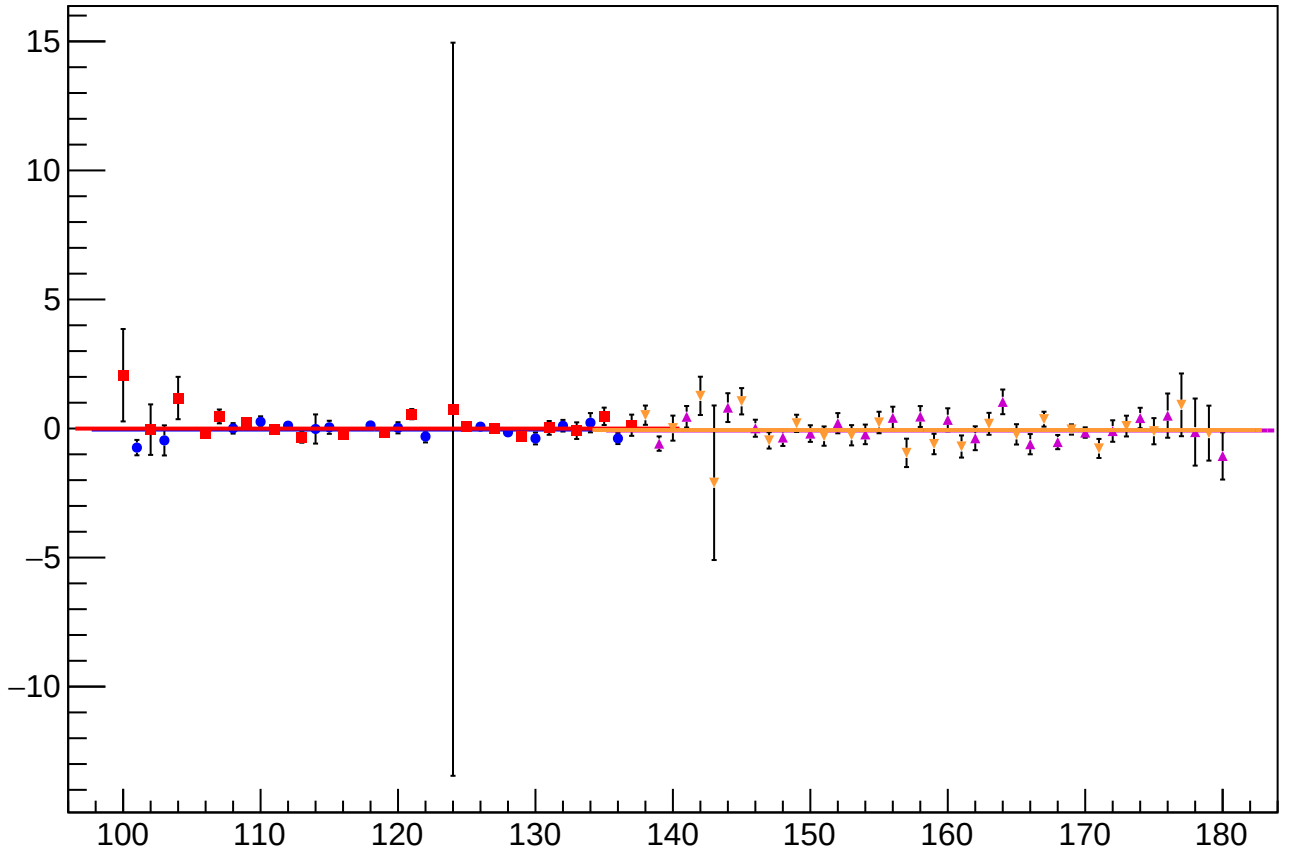
Left: 0.000+/-0.000 χ^2/NDF: 10560701.1/42

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2700433.0/36

Out: 0.000+/-0.000 χ^2/NDF:9334260.2/40

All: 0.000+/-0.000 χ^2/NDF: 16140854.7/77



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.076+/-0.082 χ^2/NDF:26.6/20

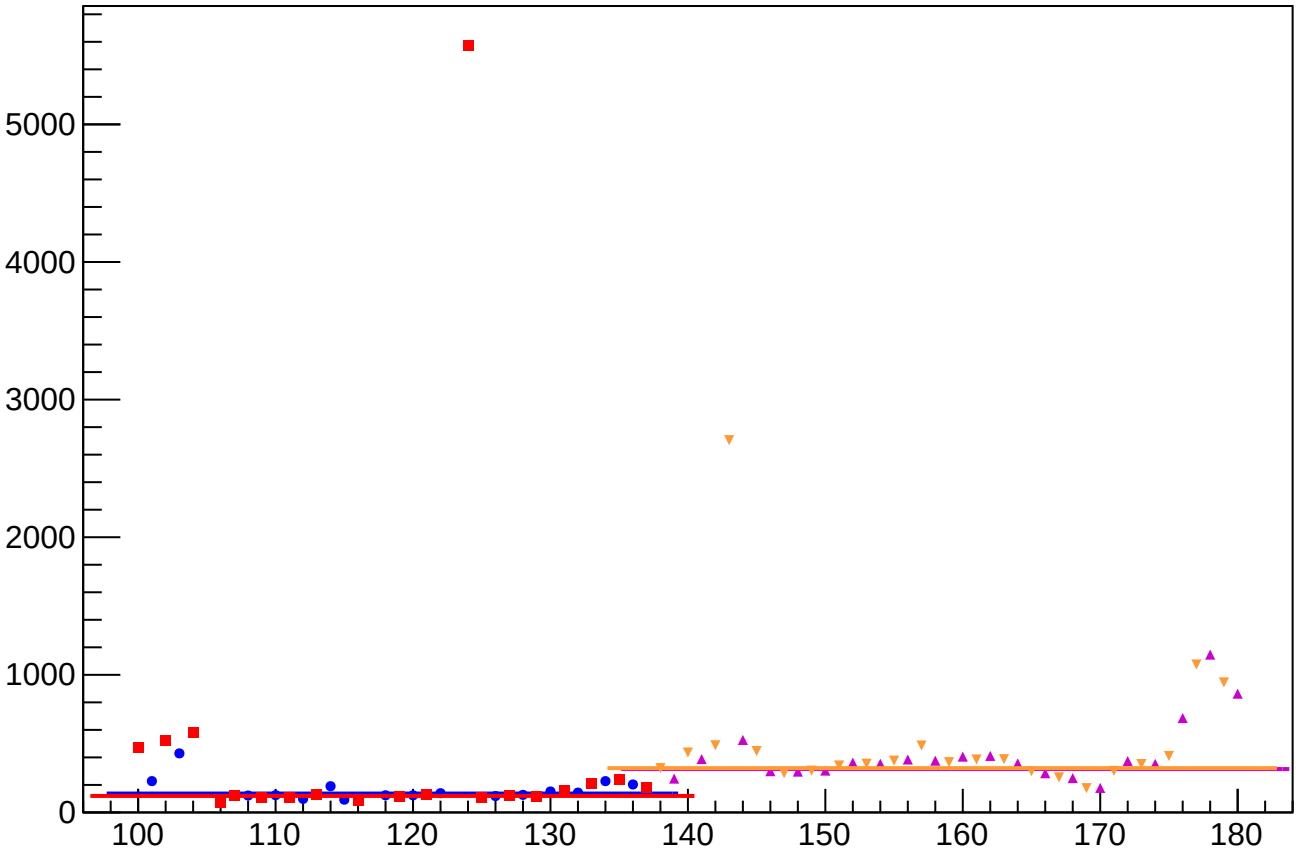
Left: -0.068+/-0.059 χ^2/NDF: 54.6/42

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.051+/-0.046 χ^2/NDF:44.6/36

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.034+/-0.032 χ^2/NDF: 102.0/77



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

Left: 318.571+/-0.042 χ^2/NDF: 8524937.7/42

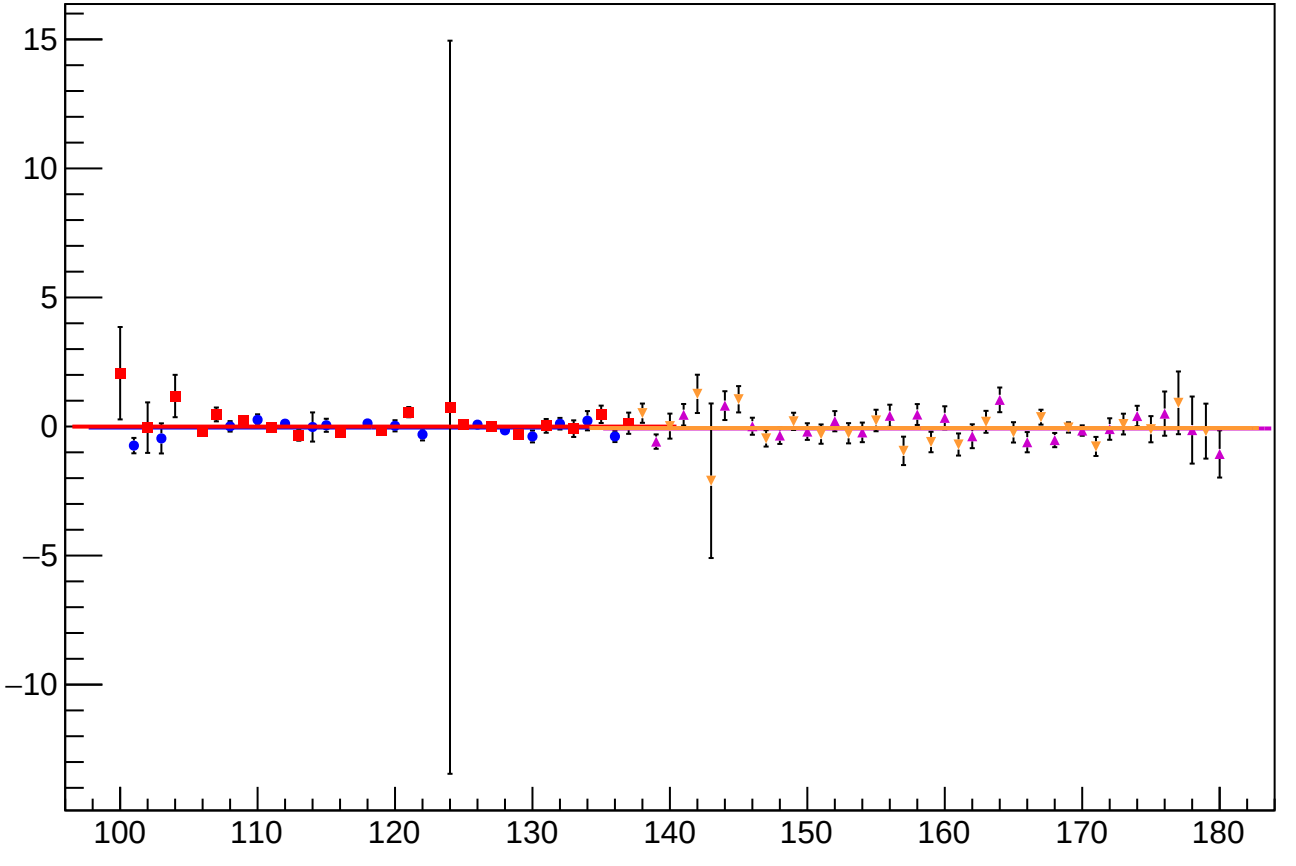
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 193.710+/-0.033 χ^2/NDF:11529935.6/36

Out: 173.532+/-0.031 χ^2/NDF:15166998.5/40

All: 183.062+/-0.022 χ^2/NDF: 26898695.4/77

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: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.076+/-0.082 χ^2/NDF:26.6/20

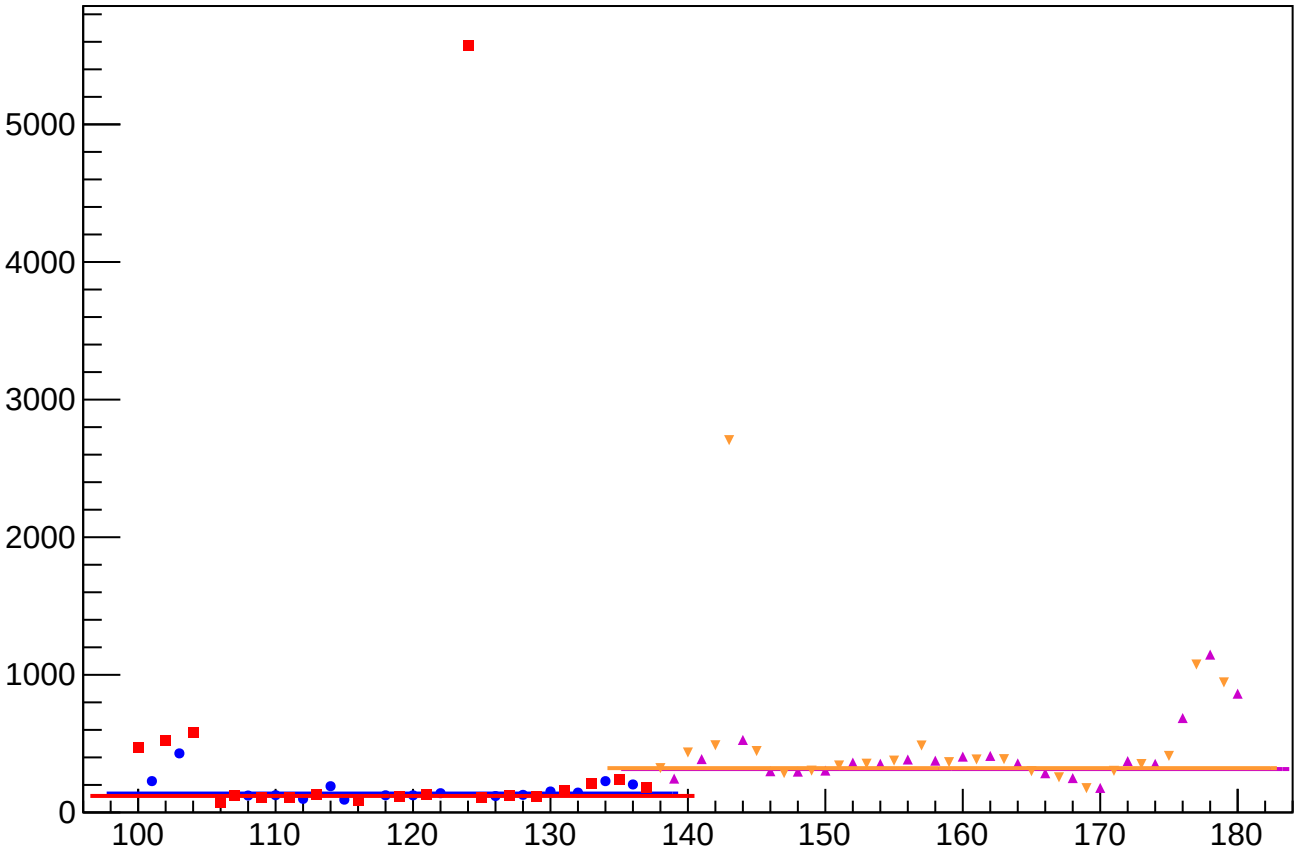
Left: -0.068+/-0.059 χ^2/NDF: 54.6/42

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.051+/-0.046 χ^2/NDF:44.6/36

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.034+/-0.032 χ^2/NDF: 102.0/77



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 315.346+/-0.058 χ^2/NDF:3830031.2/20

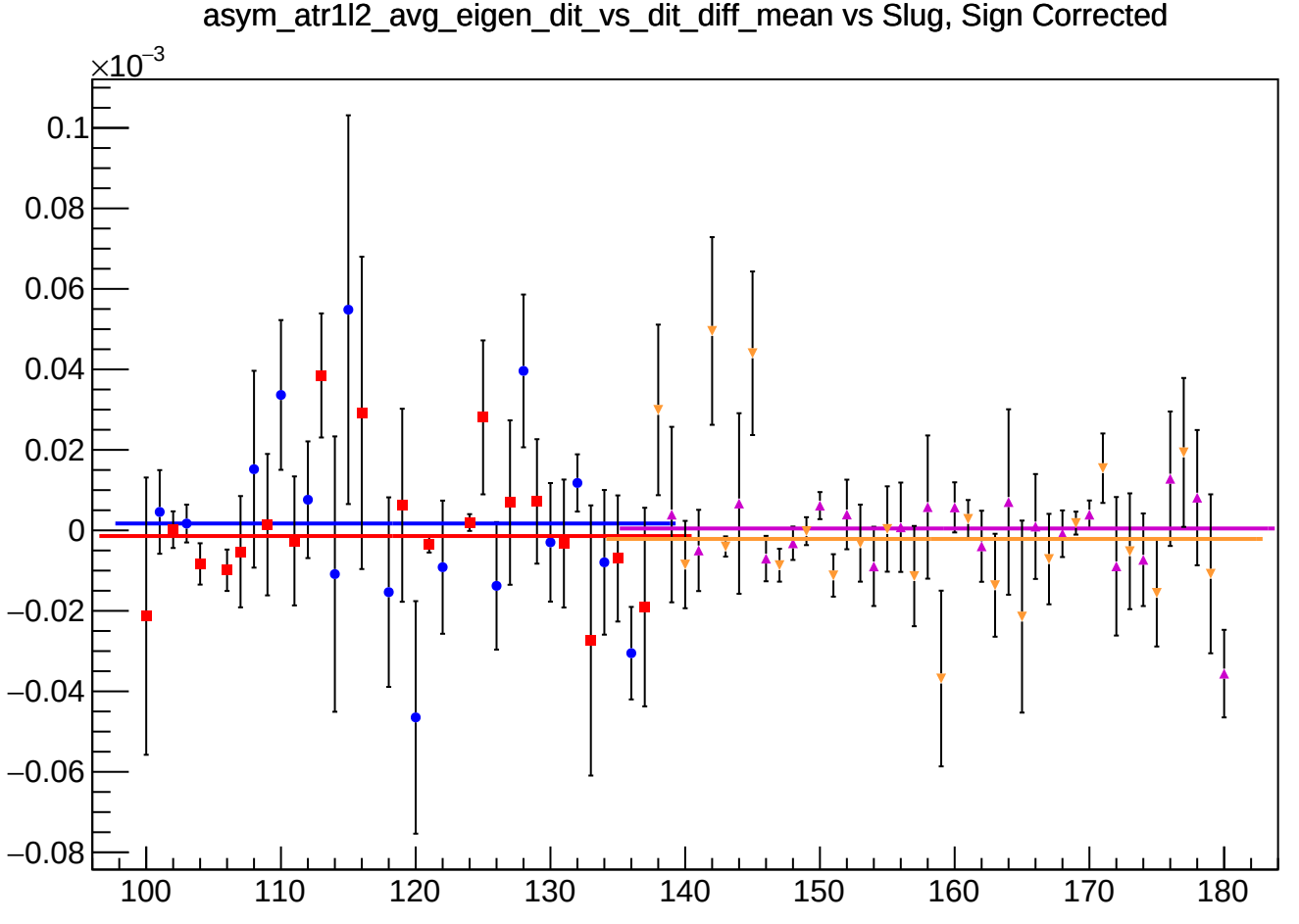
Left: 318.571+/-0.042 χ^2/NDF: 8524937.7/42

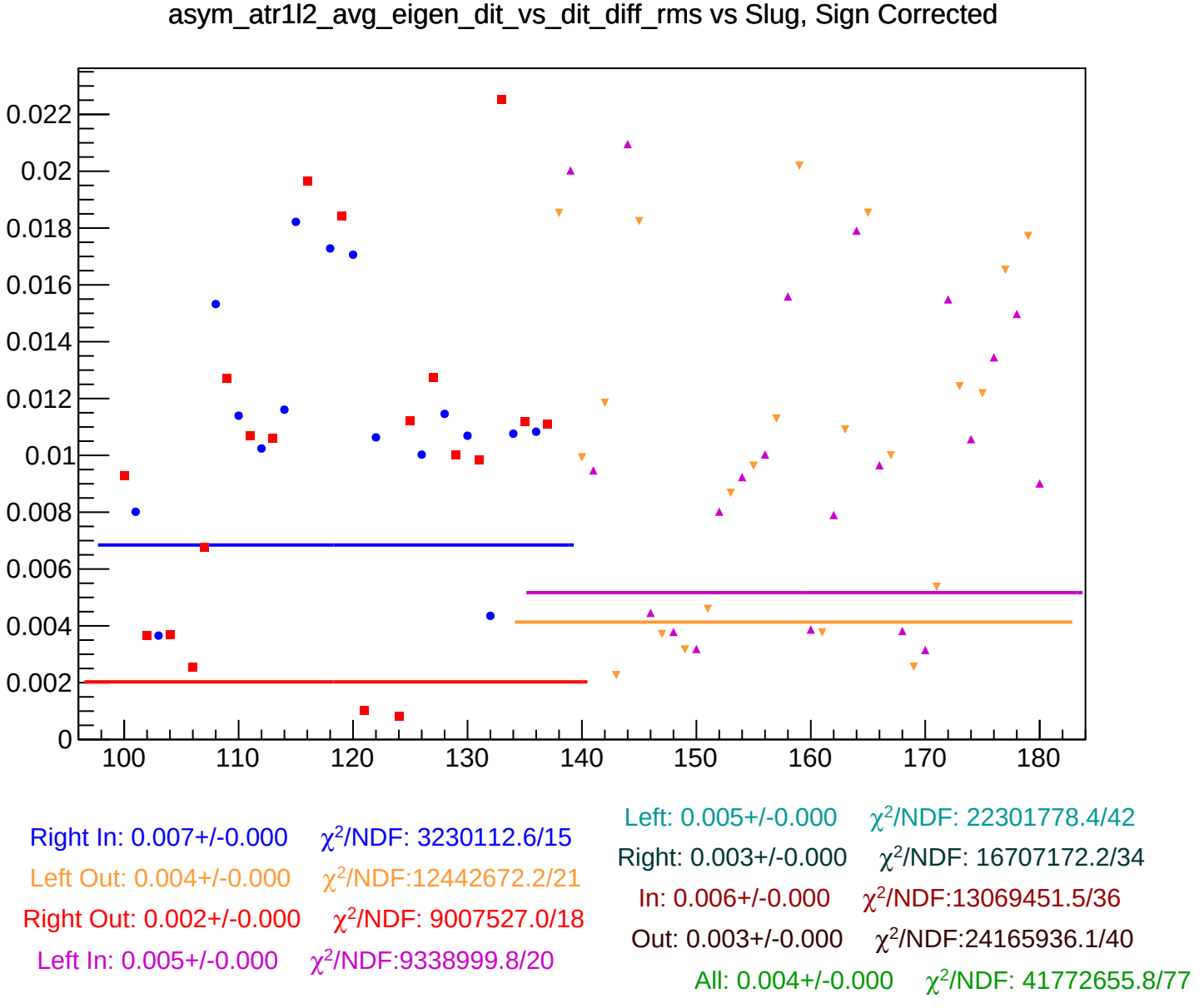
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 193.710+/-0.033 χ^2/NDF:11529935.6/36

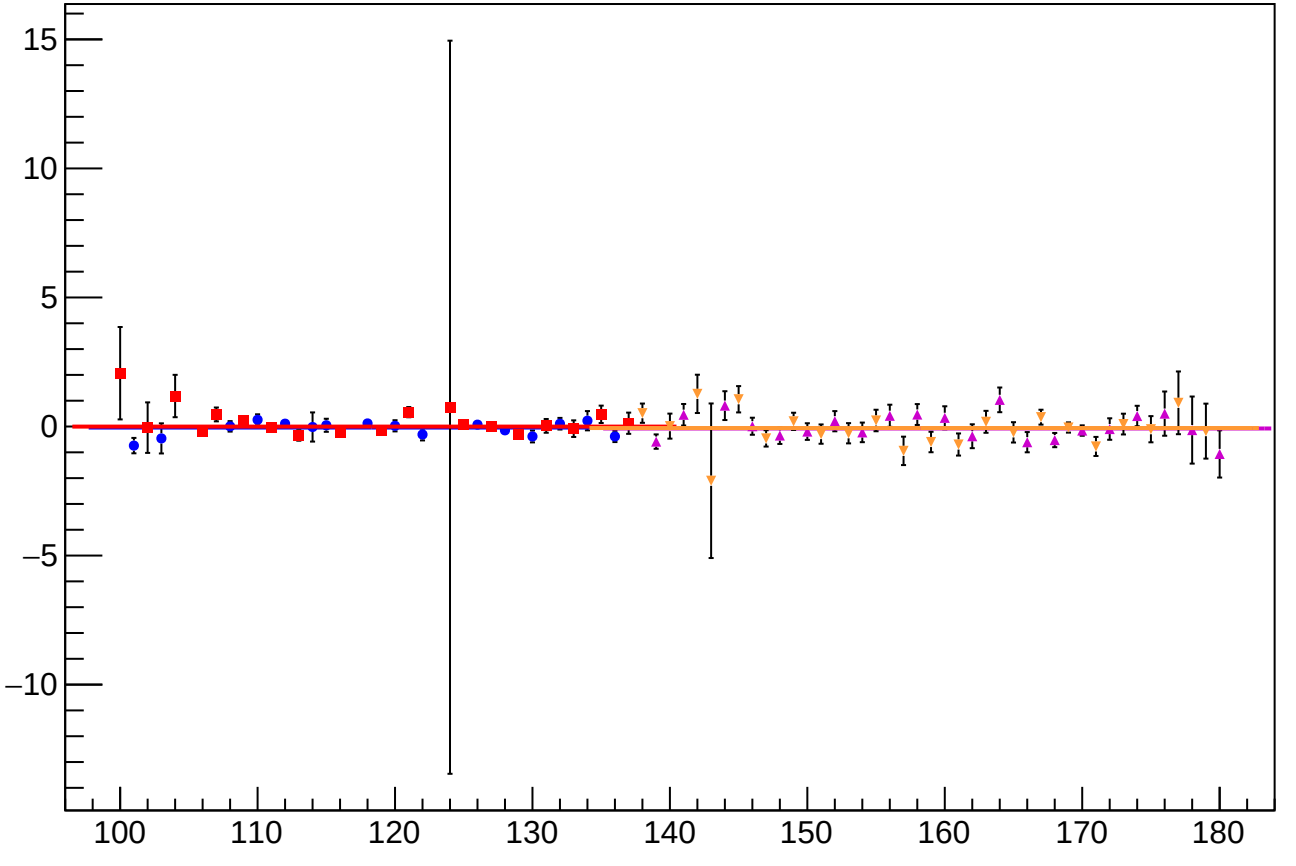
Out: 173.532+/-0.031 χ^2/NDF:15166998.5/40

All: 183.062+/-0.022 χ^2/NDF: 26898695.4/77


asym_atr1l2_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
180
Right In: 0.000+/-0.000 χ²/NDF: 23.8/15
Left Out: -0.000+/-0.000 χ²/NDF:33.6/21
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:21.5/20
Left: -0.000+/-0.000 χ²/NDF: 56.8/42
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:45.4/36
Out: -0.000+/-0.000 χ²/NDF:54.1/40
All: -0.000+/-0.000 χ²/NDF: 101.8/77


asym_atr1l2_avg_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
180
Right In: 0.007+/-0.000 χ²/NDF: 3230112.6/15
Left Out: 0.004+/-0.000 χ²/NDF:12442672.2/21
Right Out: 0.002+/-0.000 χ²/NDF: 9007527.0/18
Left In: 0.005+/-0.000 χ²/NDF:9338999.8/20
Left: 0.005+/-0.000 χ²/NDF: 22301778.4/42
Right: 0.003+/-0.000 χ²/NDF: 16707172.2/34
In: 0.006+/-0.000 χ²/NDF:13069451.5/36
Out: 0.003+/-0.000 χ²/NDF:24165936.1/40
All: 0.004+/-0.000 χ²/NDF: 41772655.8/77

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: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.076+/-0.082 χ^2/NDF:26.6/20

Left: -0.068+/-0.059 χ^2/NDF: 54.6/42

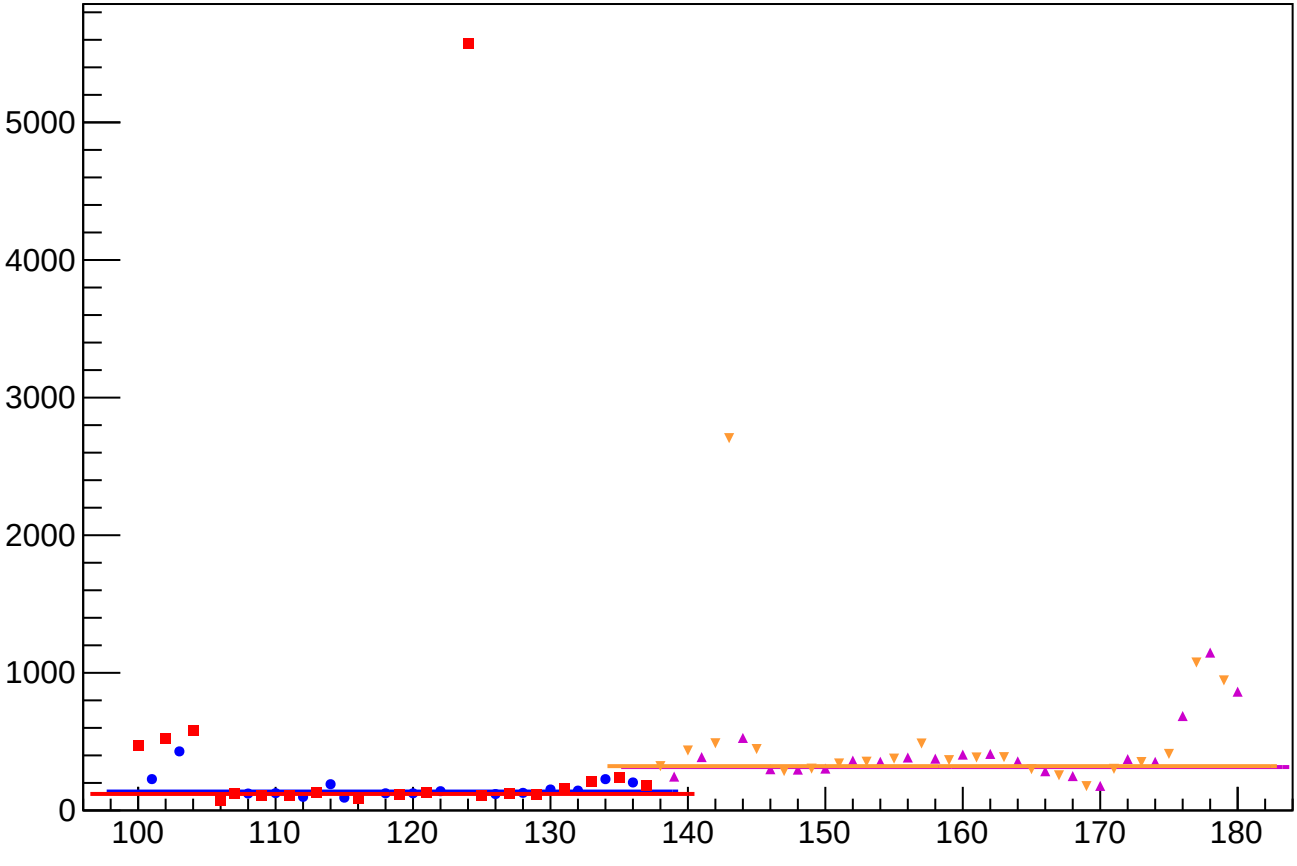
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.051+/-0.046 χ^2/NDF:44.6/36

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.034+/-0.032 χ^2/NDF: 102.0/77

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 315.349+/-0.058 χ^2/NDF:3830031.3/20

Left: 318.574+/-0.042 χ^2/NDF: 8524990.4/42

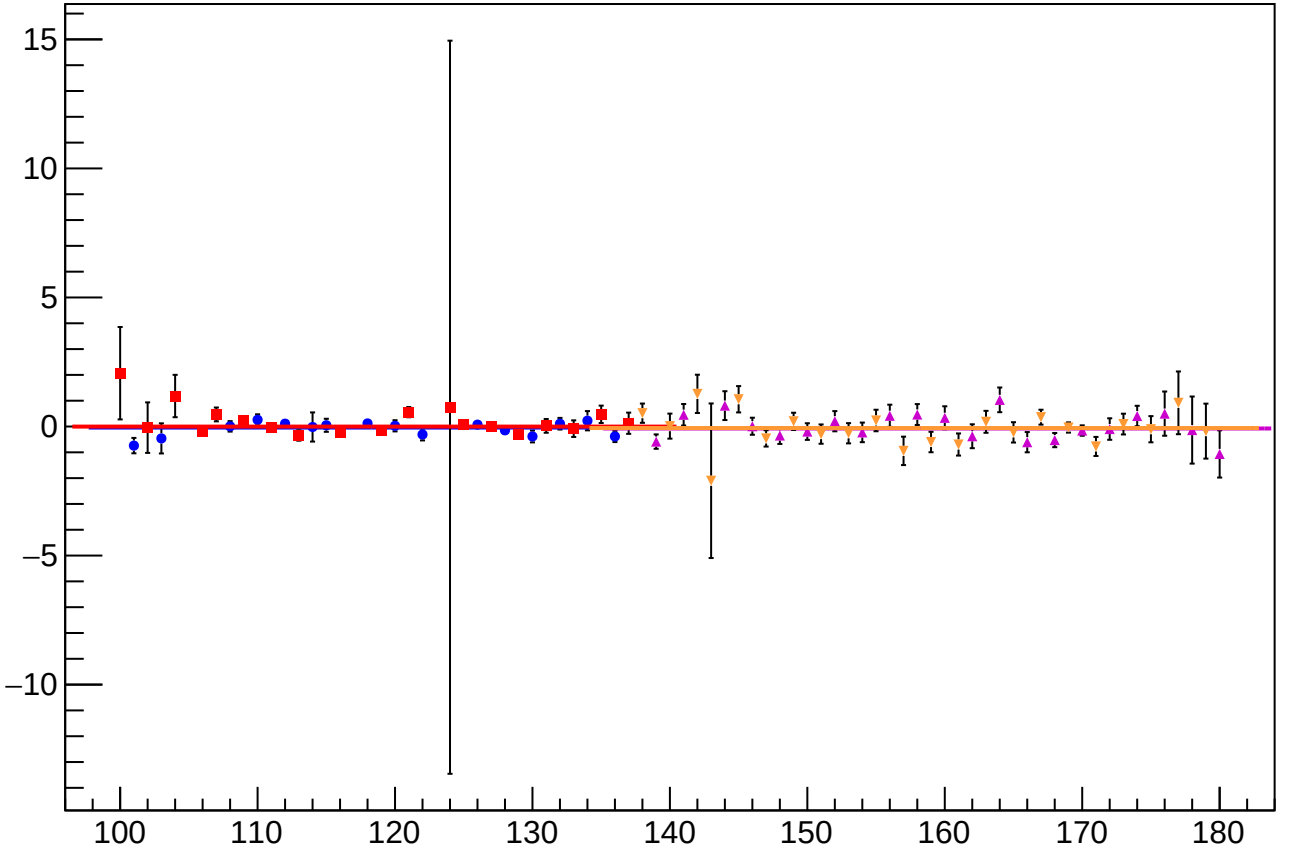
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 193.712+/-0.033 χ^2/NDF:11529911.8/36

Out: 173.532+/-0.031 χ^2/NDF:15167057.1/40

All: 183.063+/-0.022 χ^2/NDF: 26898755.6/77

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.076+/-0.082 χ^2/NDF:26.6/20

Left: -0.068+/-0.059 χ^2/NDF: 54.6/42

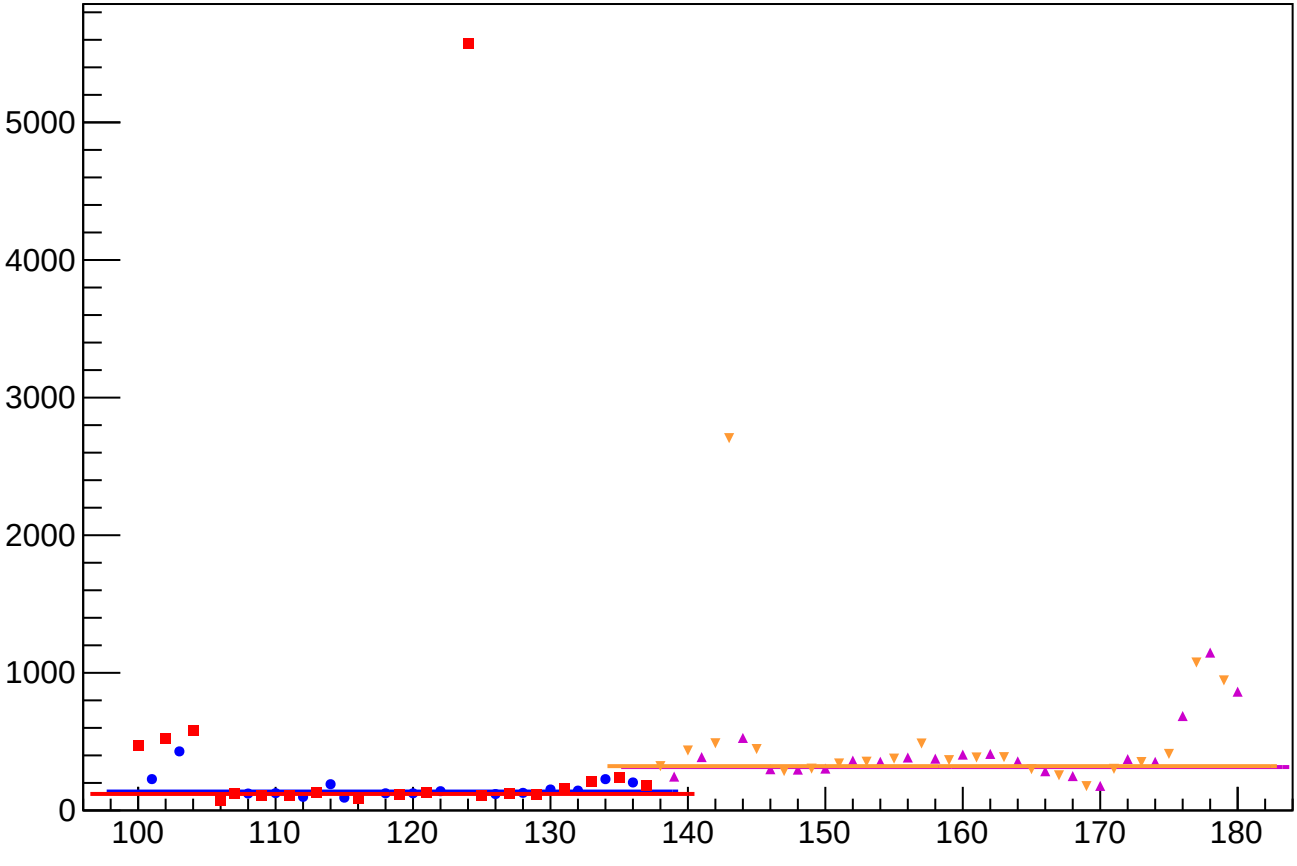
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.051+/-0.046 χ^2/NDF:44.6/36

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.034+/-0.032 χ^2/NDF: 102.0/77

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: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 315.349+/-0.058 χ^2/NDF:3830031.3/20

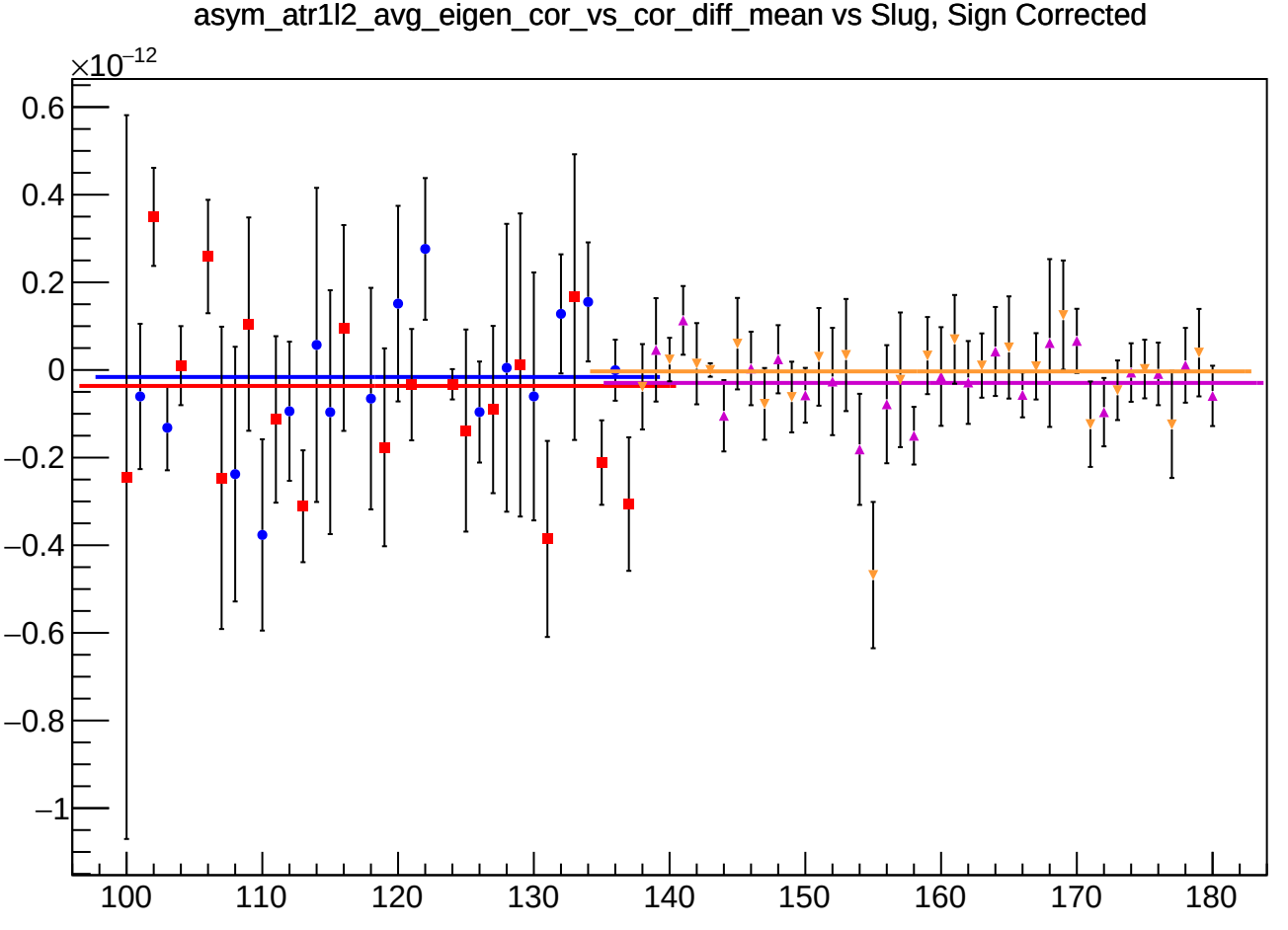
Left: 318.574+/-0.042 χ^2/NDF: 8524990.4/42

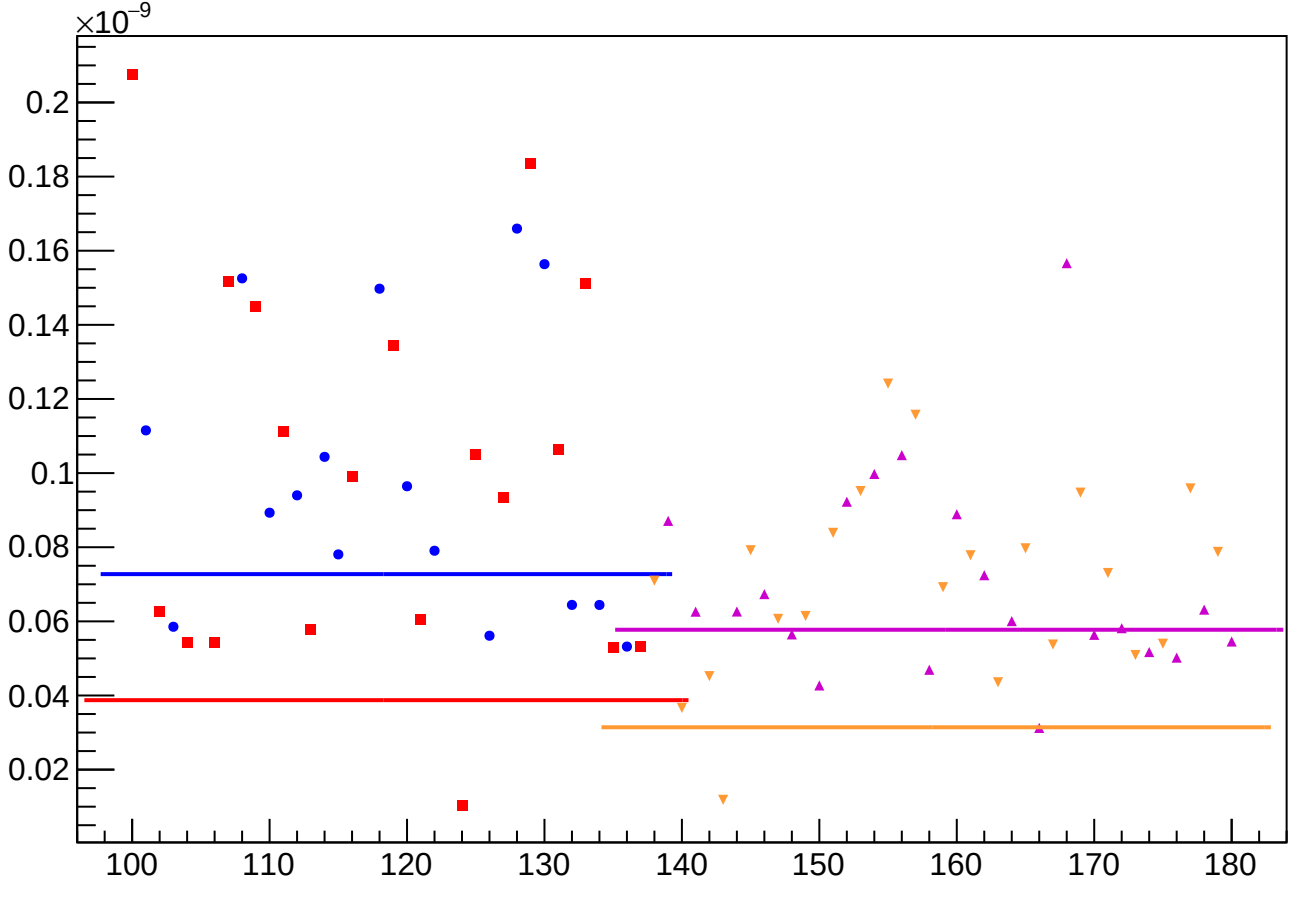
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 193.712+/-0.033 χ^2/NDF:11529911.8/36

Out: 173.532+/-0.031 χ^2/NDF:15167057.1/40

All: 183.063+/-0.022 χ^2/NDF: 26898755.6/77


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/21
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:14.4/20
Left: -0.000+/-0.000 χ²/NDF: 31.2/42
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:26.8/36
Out: -0.000+/-0.000 χ²/NDF:49.8/40
All: -0.000+/-0.000 χ²/NDF: 77.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10359906.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2280056.4/20

Left: 0.000+/-0.000 χ^2/NDF: 15649739.4/42

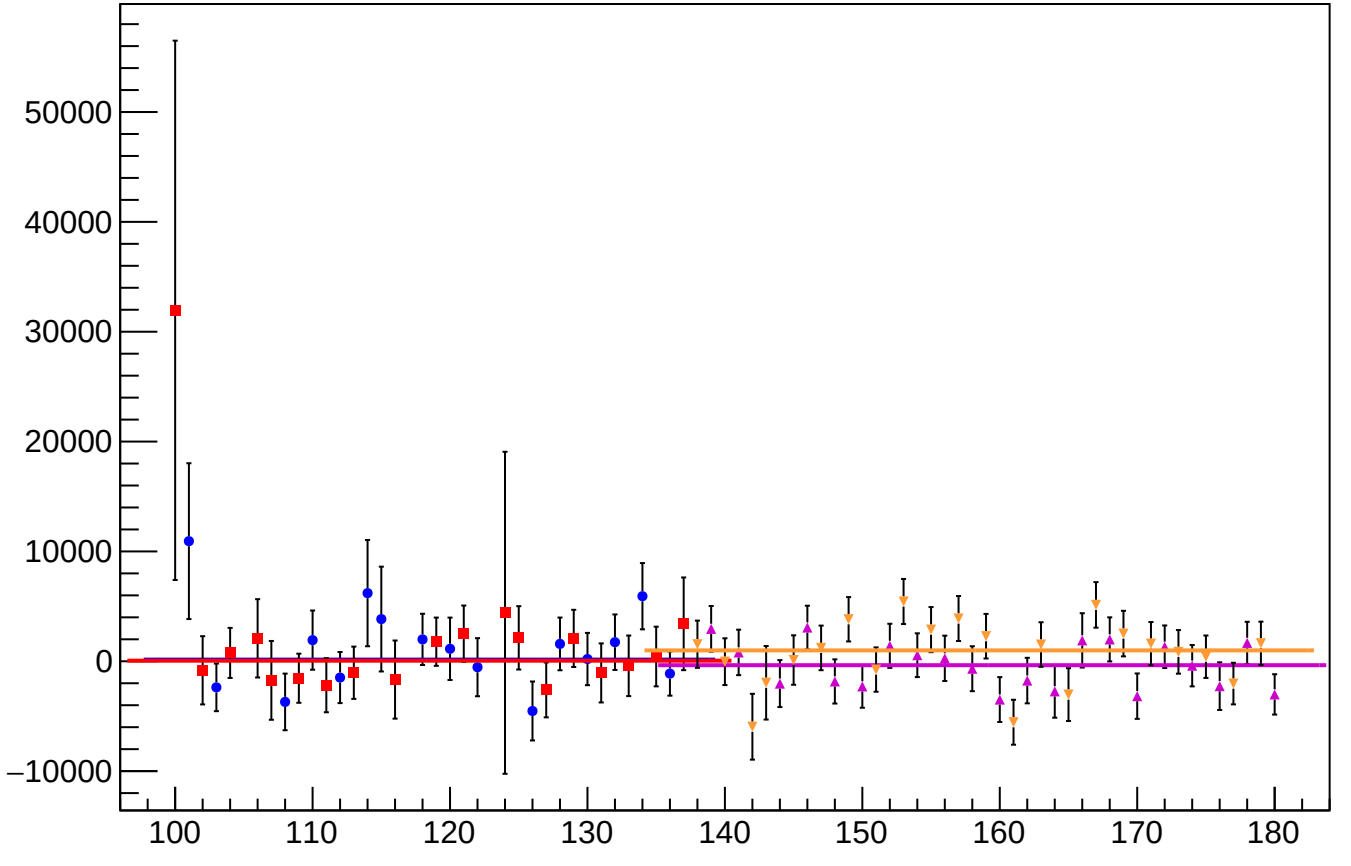
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3672876.3/36

Out: 0.000+/-0.000 χ^2/NDF:14761097.8/40

All: 0.000+/-0.000 χ^2/NDF: 22537800.2/77

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 990.418+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -357.003+/-445.170 χ^2/NDF:21.7/20

Left: 311.130+/-316.083 χ^2/NDF: 64.0/42

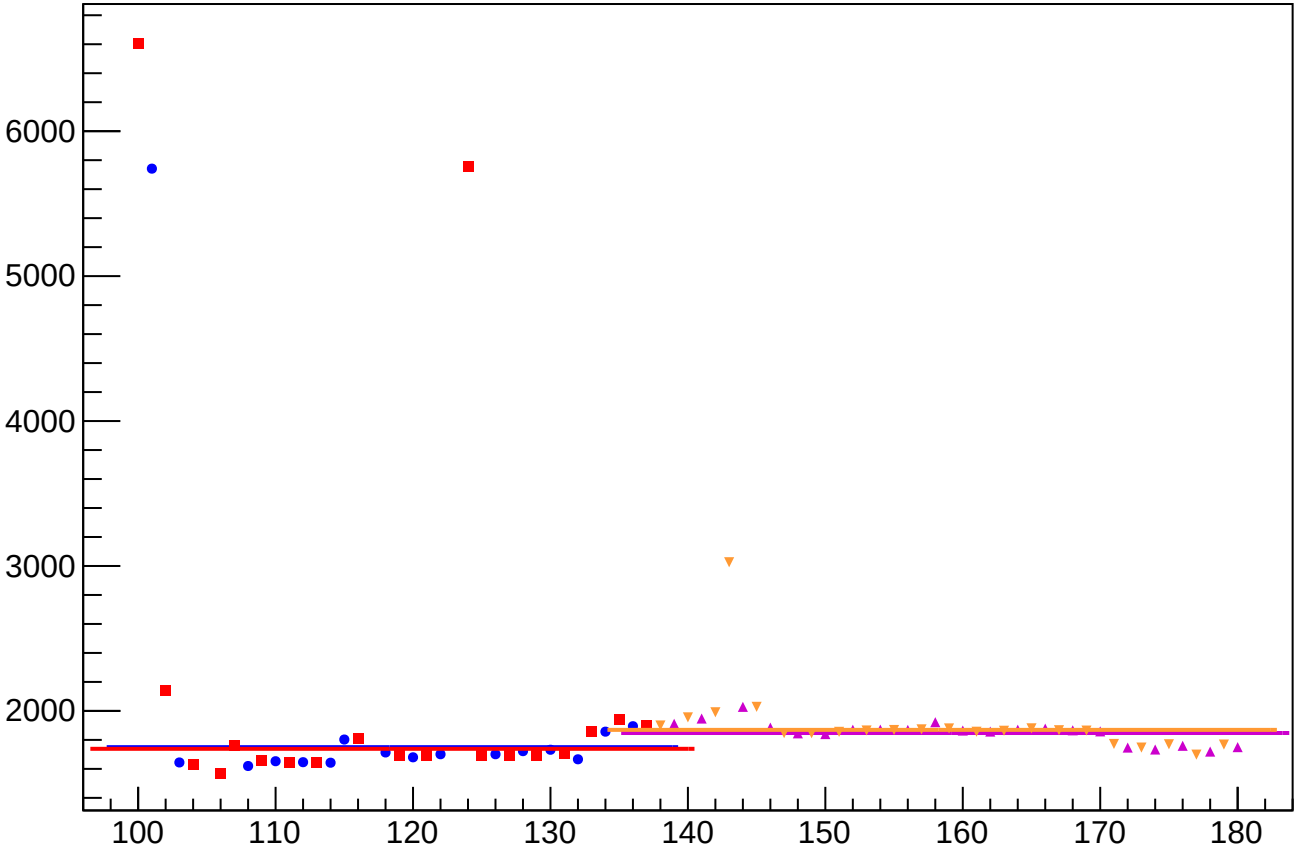
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -200.545+/-370.280 χ^2/NDF:39.7/36

Out: 691.376+/-370.317 χ^2/NDF:48.1/40

All: 245.371+/-261.840 χ^2/NDF: 90.8/77

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

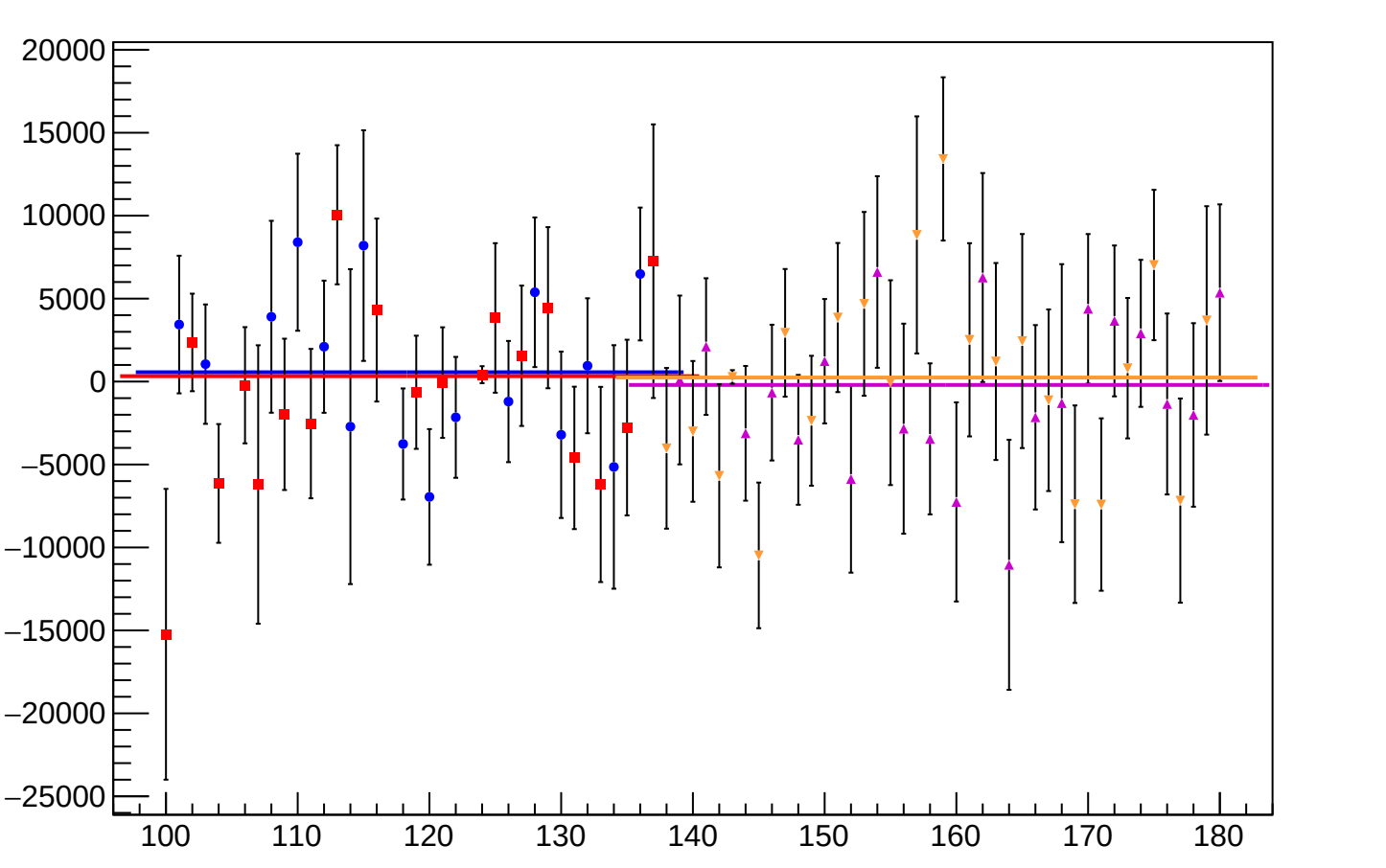
Left: 1858.278+/-0.224 χ^2/NDF: 354333.0/42

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1817.459+/-0.262 χ^2/NDF:755654.0/36

Out: 1827.013+/-0.261 χ^2/NDF:654778.7/40

All: 1822.247+/-0.185 χ^2/NDF: 1411099.9/77



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 242.416+/-383.692 χ^2/NDF:27.5/21

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -203.929+/-1080.748 χ^2/NDF:12.9/20

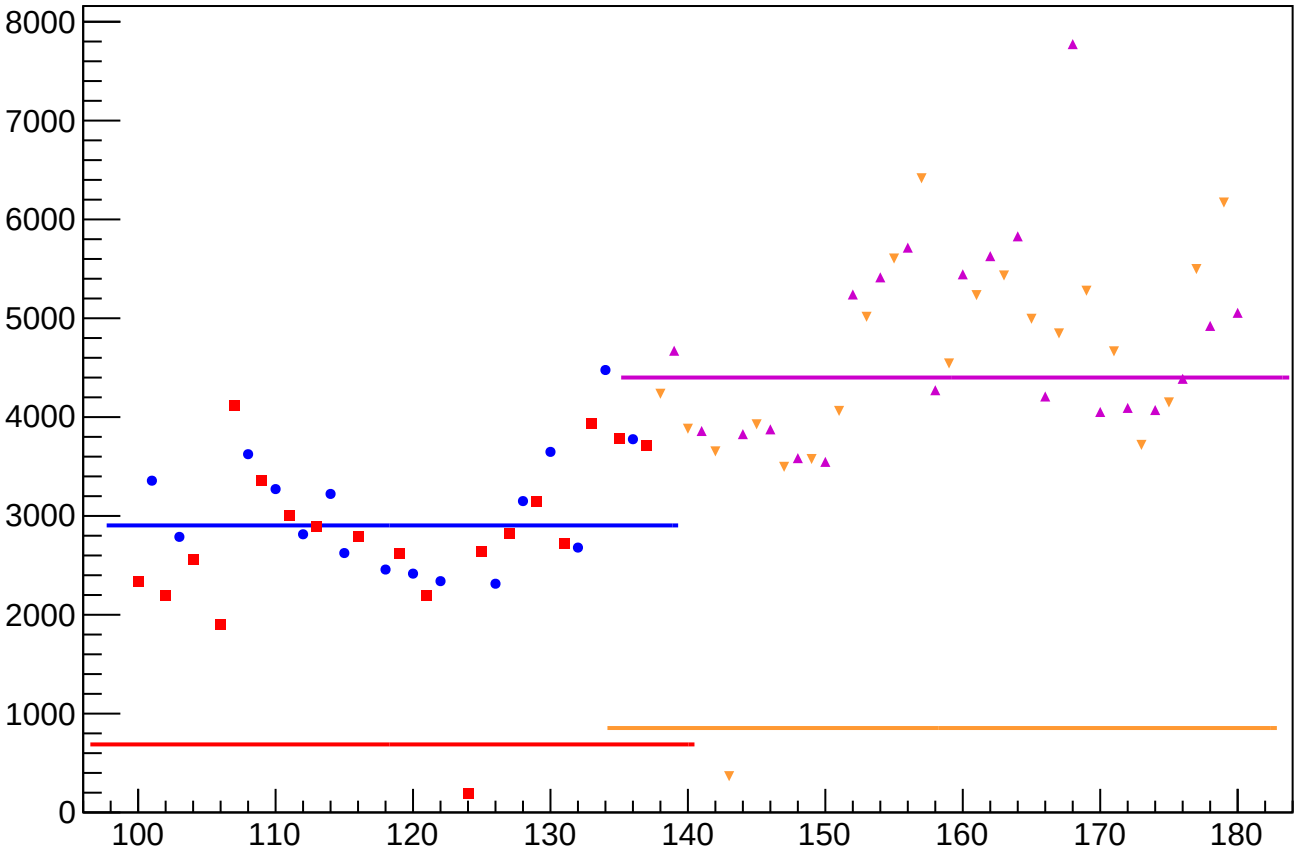
Left: 192.455+/-361.581 χ^2/NDF: 40.5/42

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 172.036+/-771.321 χ^2/NDF:28.0/36

Out: 276.712+/-294.106 χ^2/NDF:46.7/40

All: 263.425+/-274.807 χ^2/NDF: 74.7/77



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 854.247+/-0.271 χ^2/NDF:24596558.6/21

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4400.391+/-0.764 χ^2/NDF:1112027.5/20

Left: 1251.182+/-0.256 χ^2/NDF: 44830823.7/42

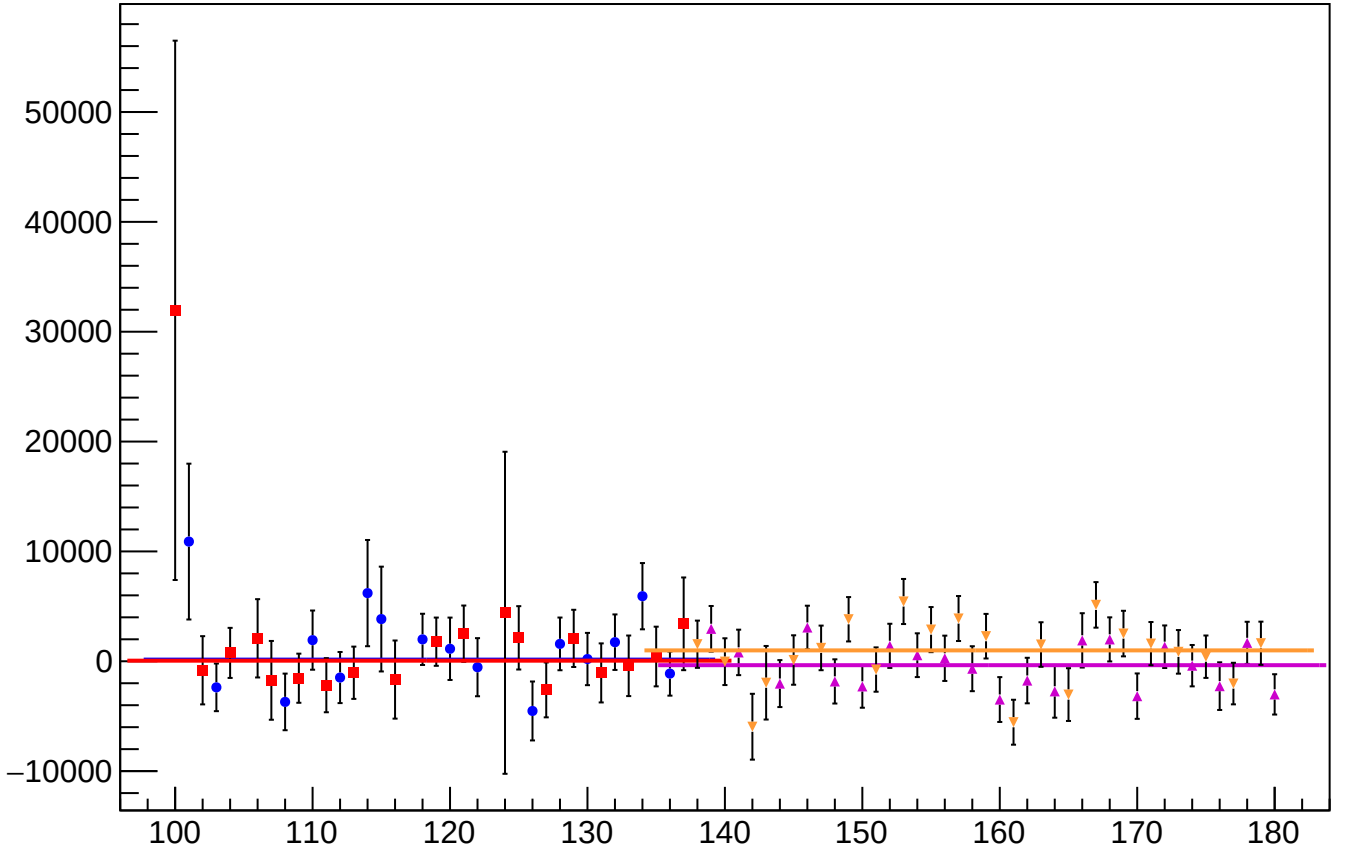
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3666.224+/-0.545 χ^2/NDF:3472866.5/36

Out: 785.810+/-0.208 χ^2/NDF:34899742.2/40

All: 1151.437+/-0.194 χ^2/NDF: 62723568.0/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -356.926+/-445.170 χ^2/NDF:21.7/20

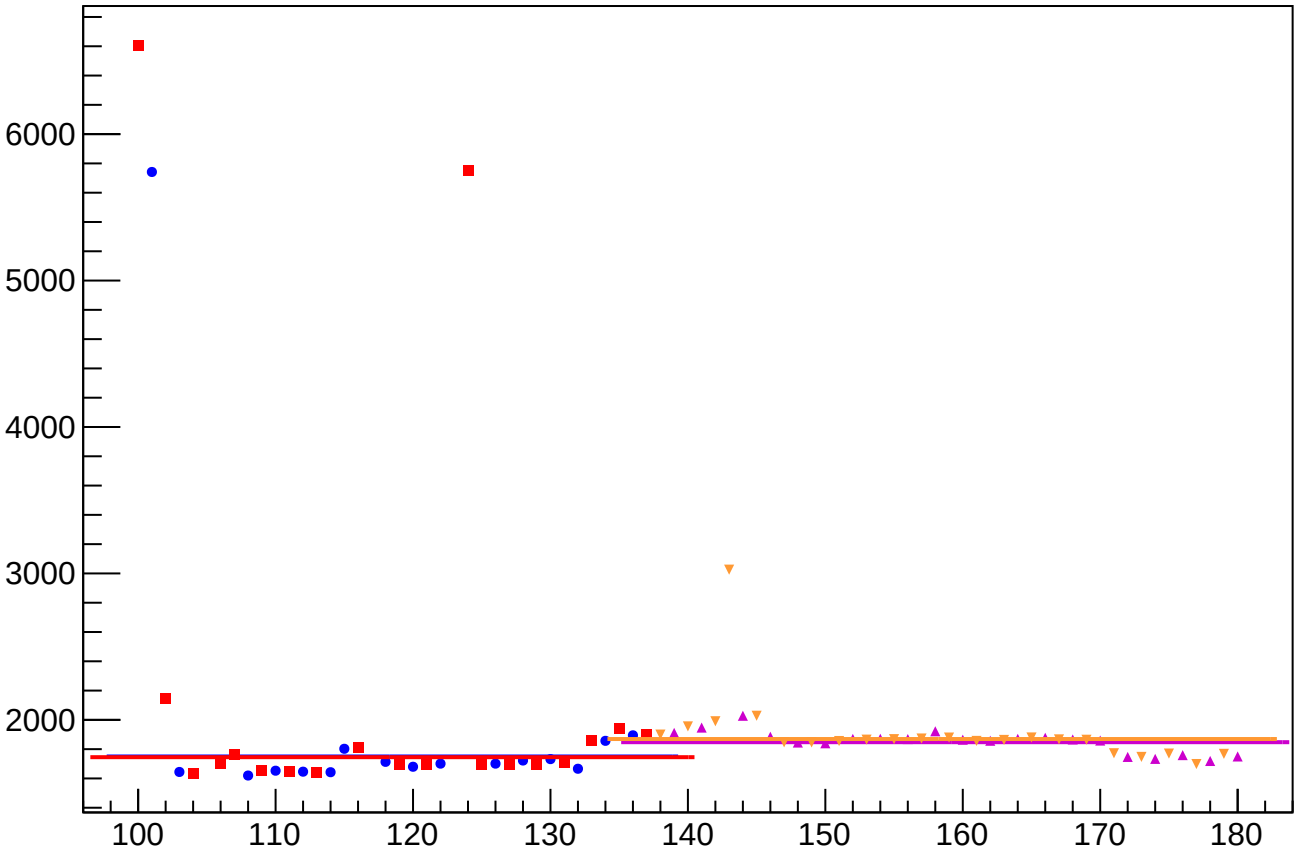
Left: 311.167+/-316.083 χ^2/NDF: 64.0/42

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -200.636+/-370.280 χ^2/NDF:39.7/36

Out: 691.390+/-370.317 χ^2/NDF:48.1/40

All: 245.333+/-261.840 χ^2/NDF: 90.8/77



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

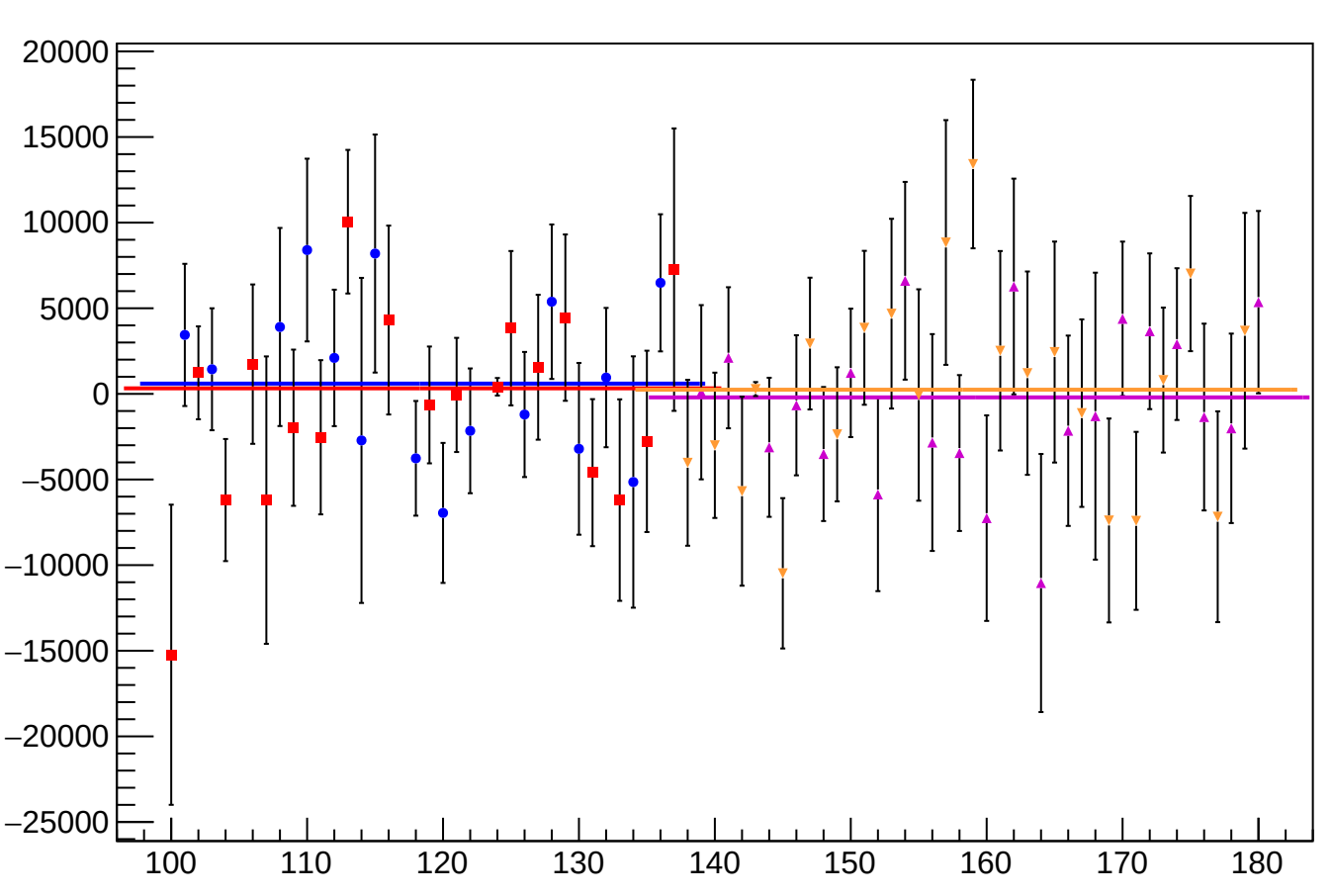
Left: 1858.278+/-0.224 χ^2/NDF: 354333.0/42

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1817.459+/-0.262 χ^2/NDF:755654.4/36

Out: 1829.368+/-0.262 χ^2/NDF:642564.3/40

All: 1823.420+/-0.185 χ^2/NDF: 1399254.2/77



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -203.988+/-1080.746 χ^2/NDF:12.9/20

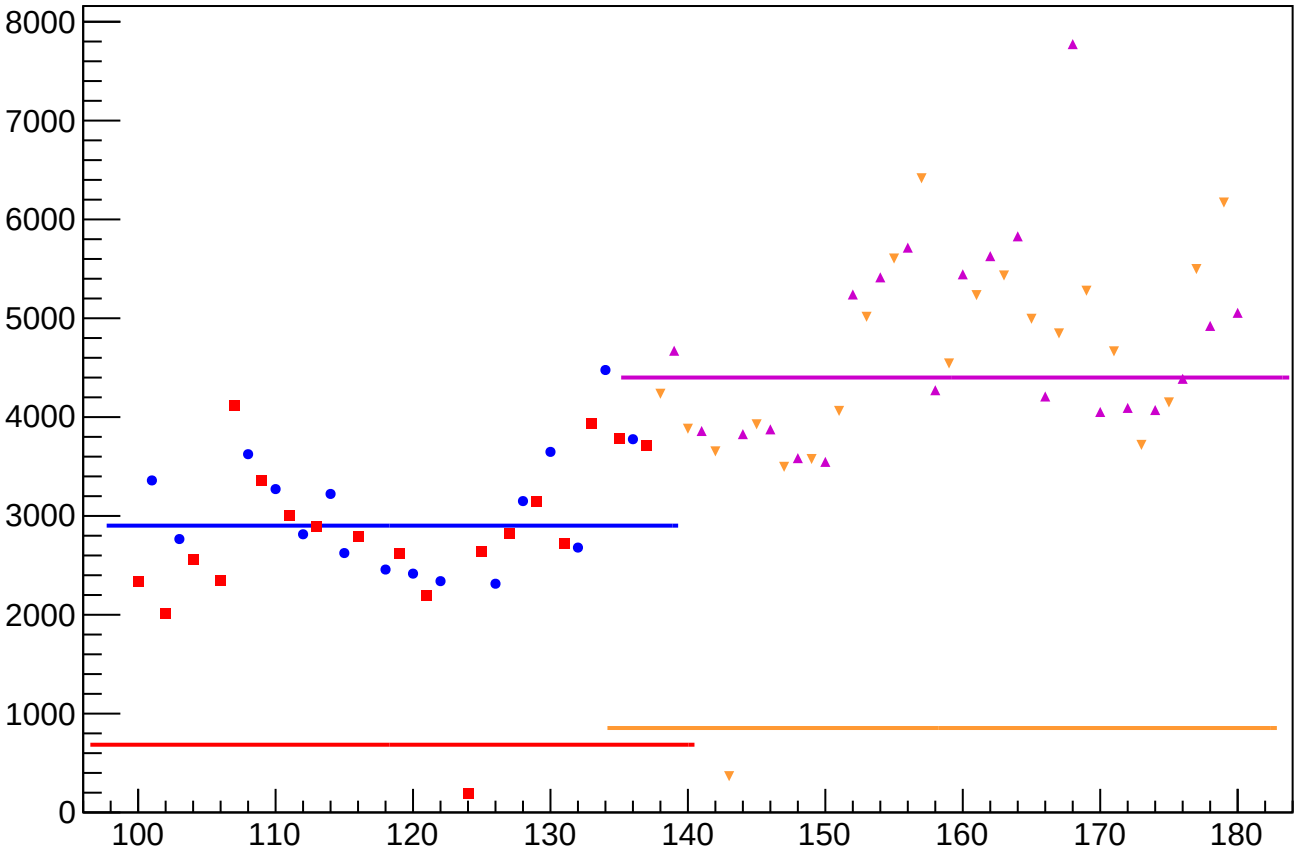
Left: 193.255+/-361.606 χ^2/NDF: 40.5/42

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 190.962+/-770.963 χ^2/NDF:28.1/36

Out: 276.185+/-294.361 χ^2/NDF:46.5/40

All: 265.342+/-274.999 χ^2/NDF: 74.6/77



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4400.380+/-0.764 χ^2/NDF:1112042.0/20

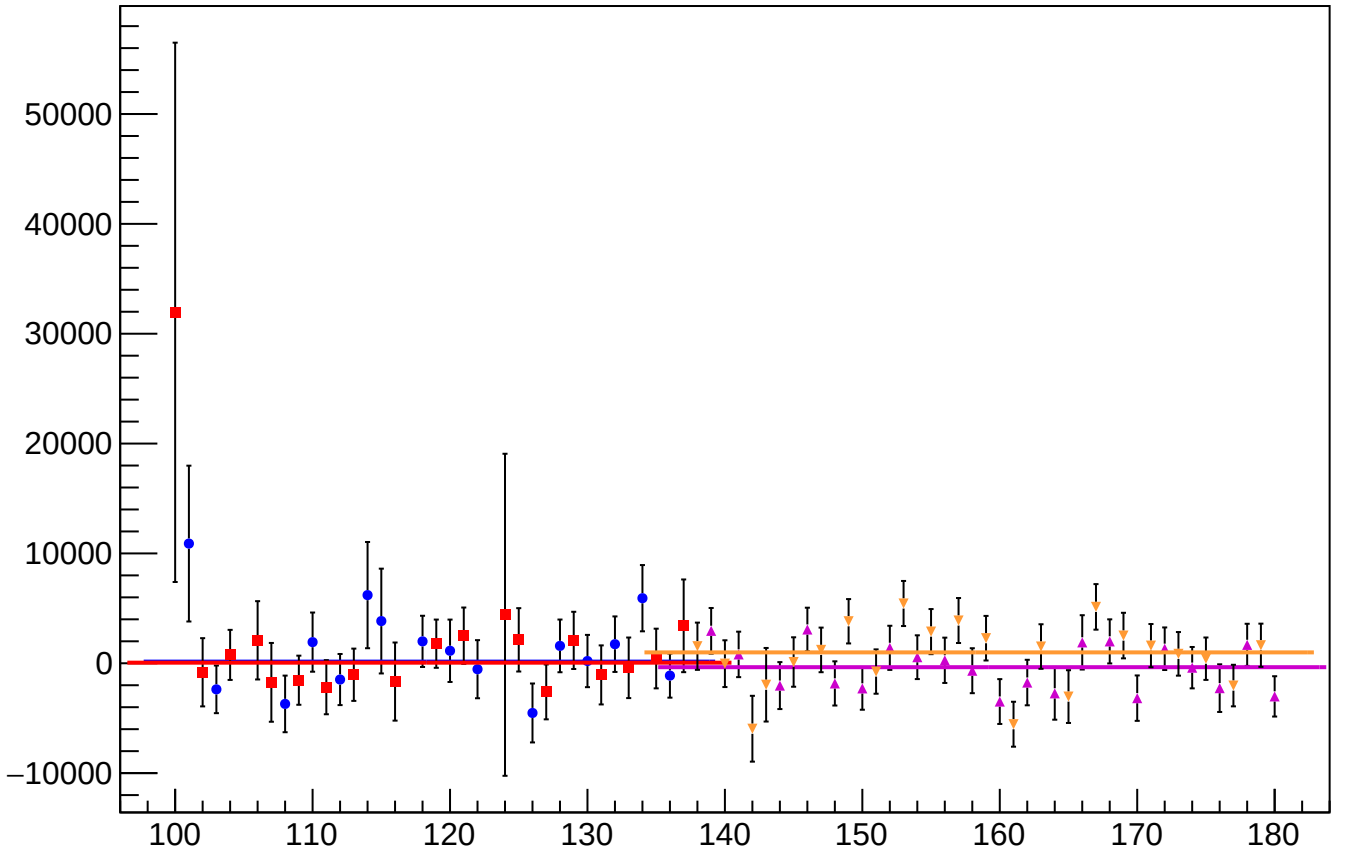
Left: 1251.337+/-0.256 χ^2/NDF: 44828272.9/42

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3664.436+/-0.545 χ^2/NDF:3481359.9/36

Out: 784.769+/-0.208 χ^2/NDF:34861218.9/40

All: 1151.153+/-0.194 χ^2/NDF: 62695233.5/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -356.926+/-445.170 χ^2/NDF:21.7/20

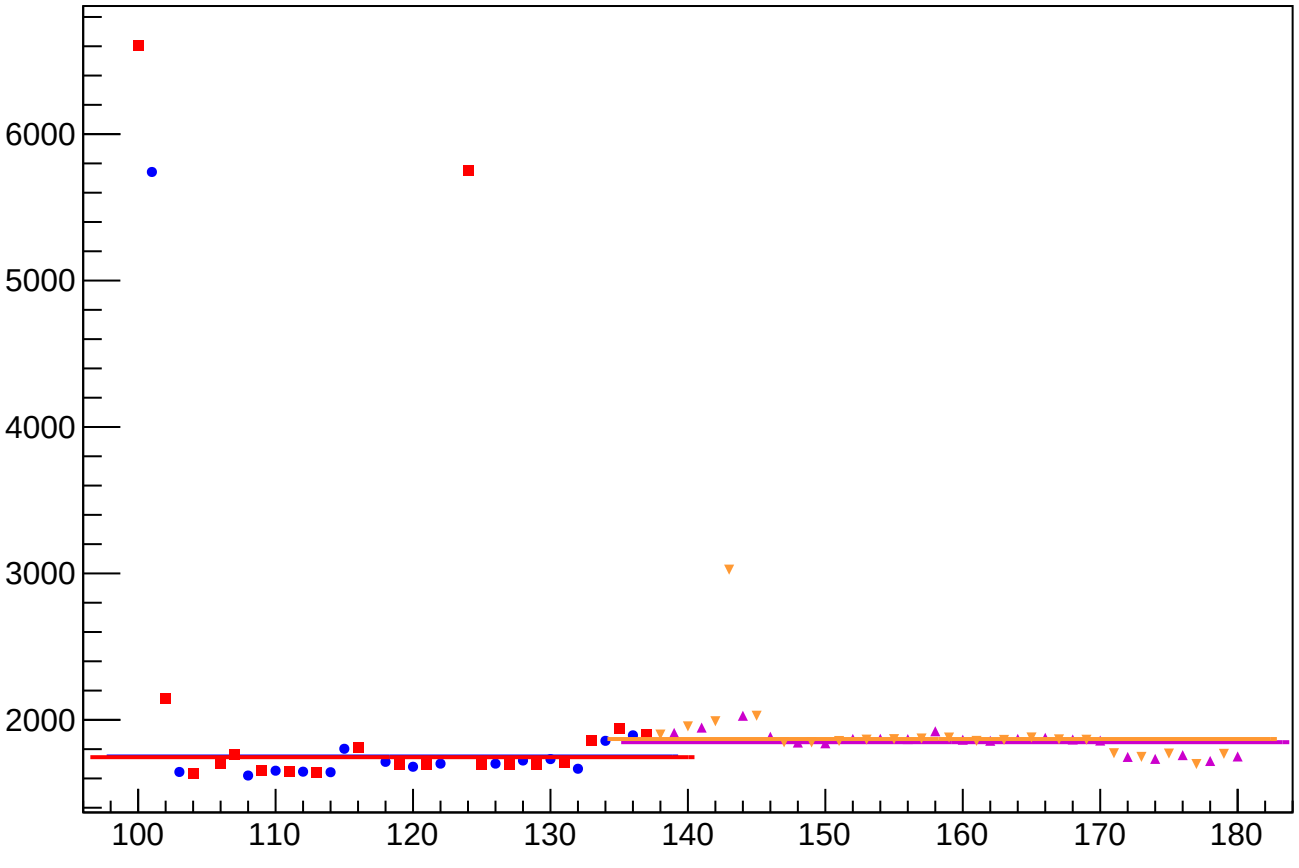
Left: 311.167+/-316.083 χ^2/NDF: 64.0/42

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -200.636+/-370.280 χ^2/NDF:39.7/36

Out: 691.390+/-370.317 χ^2/NDF:48.1/40

All: 245.333+/-261.840 χ^2/NDF: 90.8/77



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1847.567+/-0.315 χ^2/NDF:56391.3/20

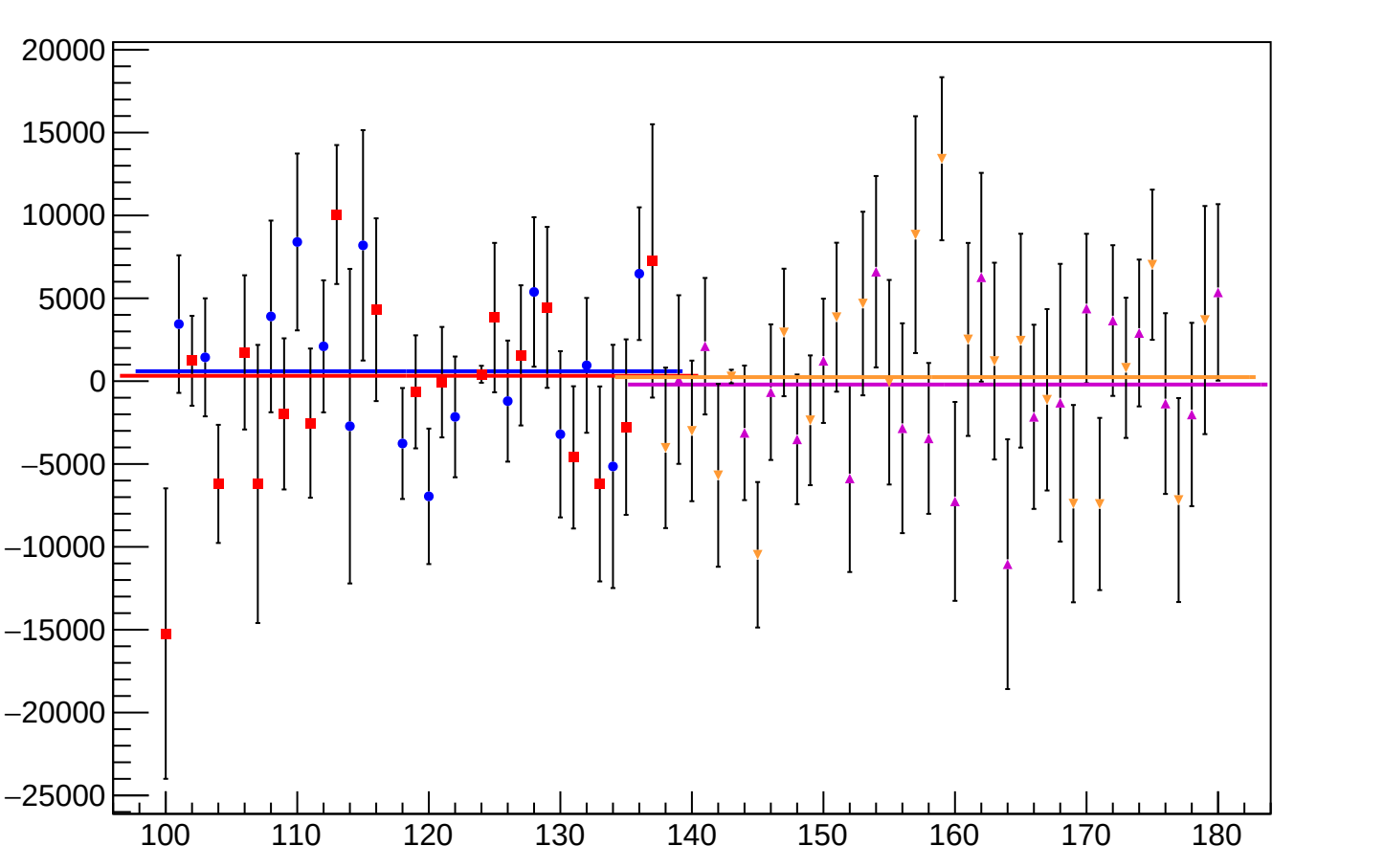
Left: 1858.278+/-0.224 χ^2/NDF: 354333.0/42

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1817.459+/-0.262 χ^2/NDF:755654.4/36

Out: 1829.368+/-0.262 χ^2/NDF:642564.3/40

All: 1823.420+/-0.185 χ^2/NDF: 1399254.2/77



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -203.988+/-1080.746 χ^2/NDF:12.9/20

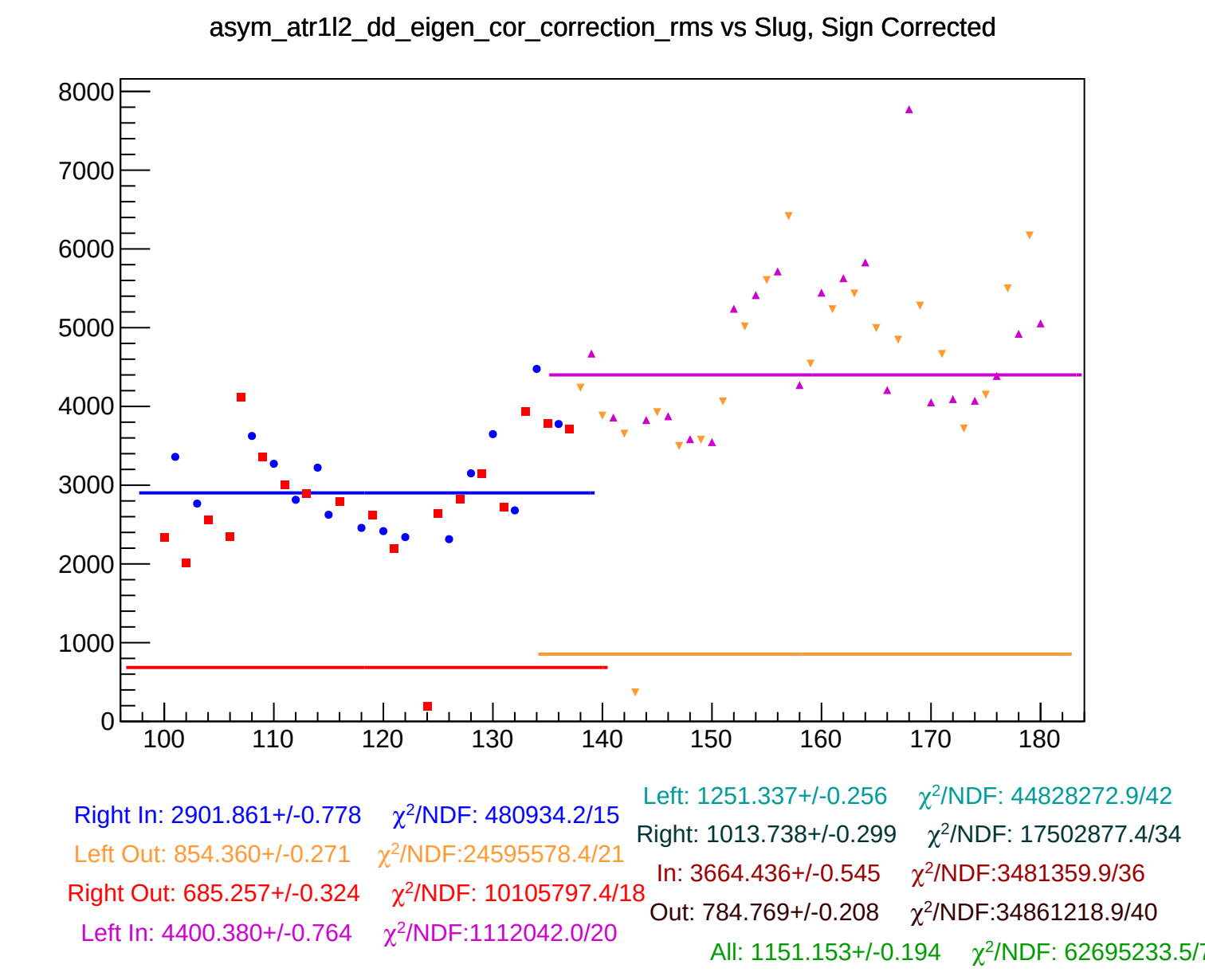
Left: 193.255+/-361.606 χ^2/NDF: 40.5/42

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 190.962+/-770.963 χ^2/NDF:28.1/36

Out: 276.185+/-294.361 χ^2/NDF:46.5/40

All: 265.342+/-274.999 χ^2/NDF: 74.6/77


asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
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100
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120
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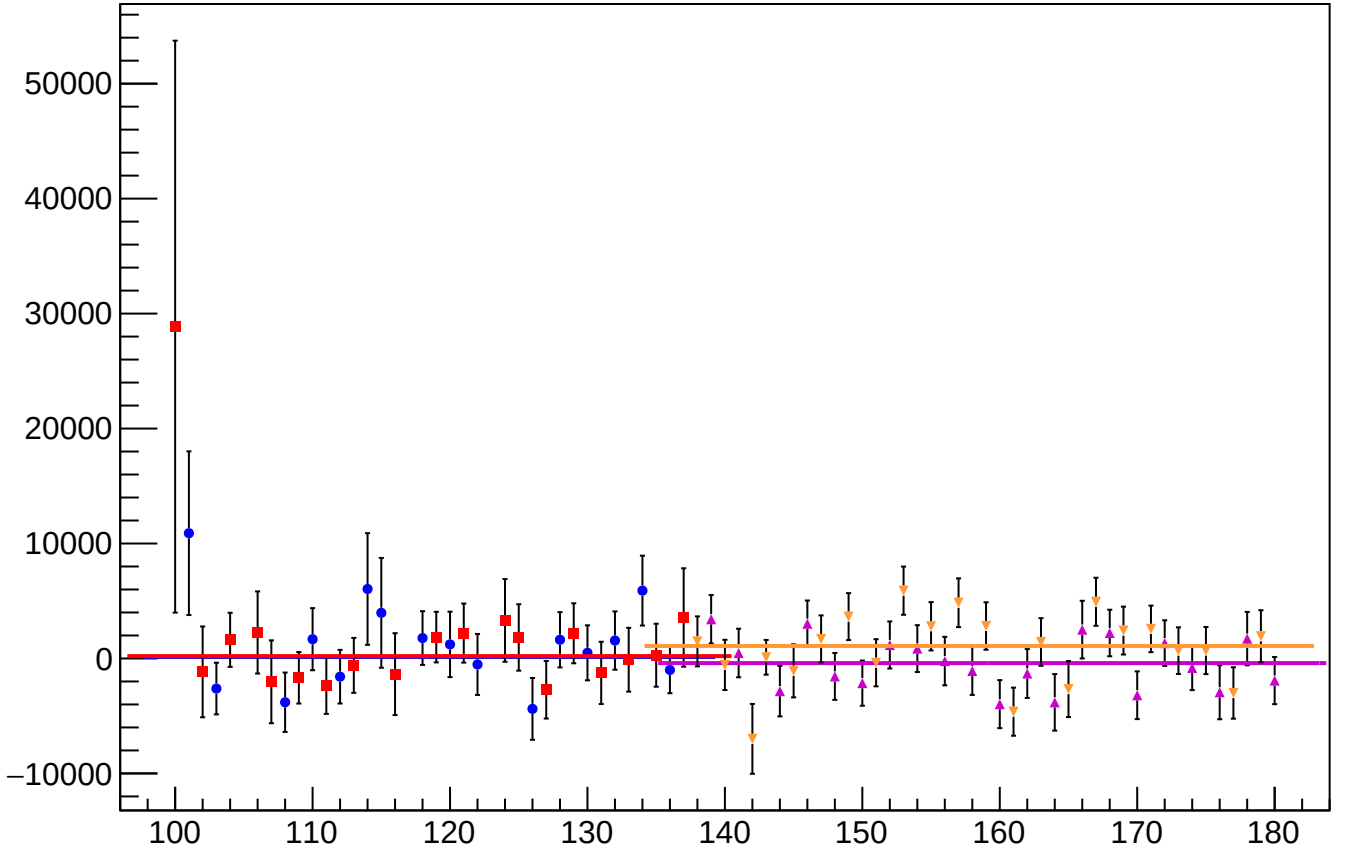
160
170
180
Right In: 2901.861+/-0.778 χ²/NDF: 480934.2/15
Left Out: 854.360+/-0.271 χ²/NDF:24595578.4/21
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4400.380+/-0.764 χ²/NDF:1112042.0/20
Left: 1251.337+/-0.256 χ²/NDF: 44828272.9/42
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 3664.436+/-0.545 χ²/NDF:3481359.9/36
Out: 784.769+/-0.208 χ²/NDF:34861218.9/40
All: 1151.153+/-0.194 χ²/NDF: 62695233.5/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.677+/-447.691 χ^2/NDF:38.7/21

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -401.569+/-460.597 χ^2/NDF:23.0/20

Left: 365.239+/-321.031 χ^2/NDF: 67.1/42

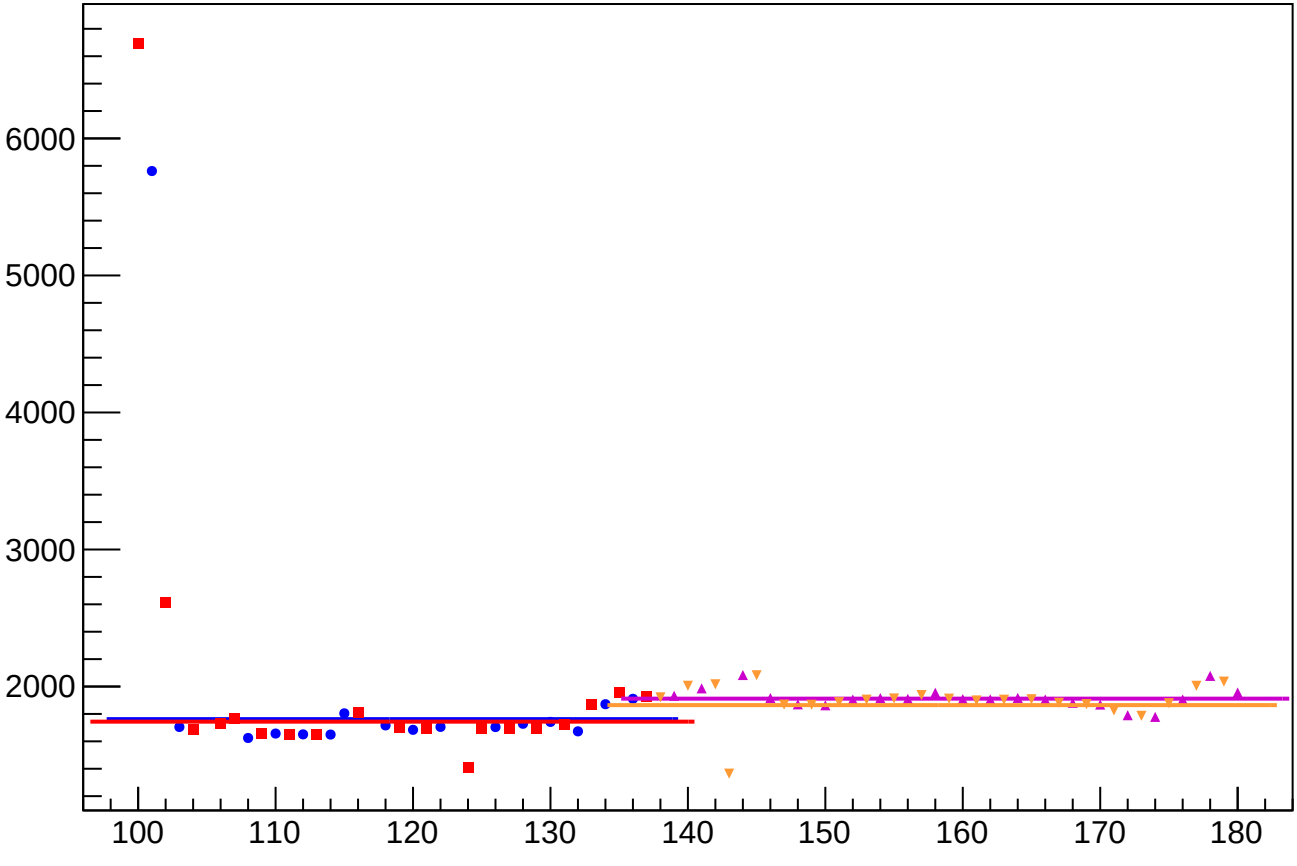
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -230.305+/-379.852 χ^2/NDF:40.7/36

Out: 807.791+/-369.505 χ^2/NDF:49.6/40

All: 303.074+/-264.862 χ^2/NDF: 94.2/77

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.289+/-0.317 χ^2/NDF:282559.6/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1911.552+/-0.326 χ^2/NDF:47422.7/20

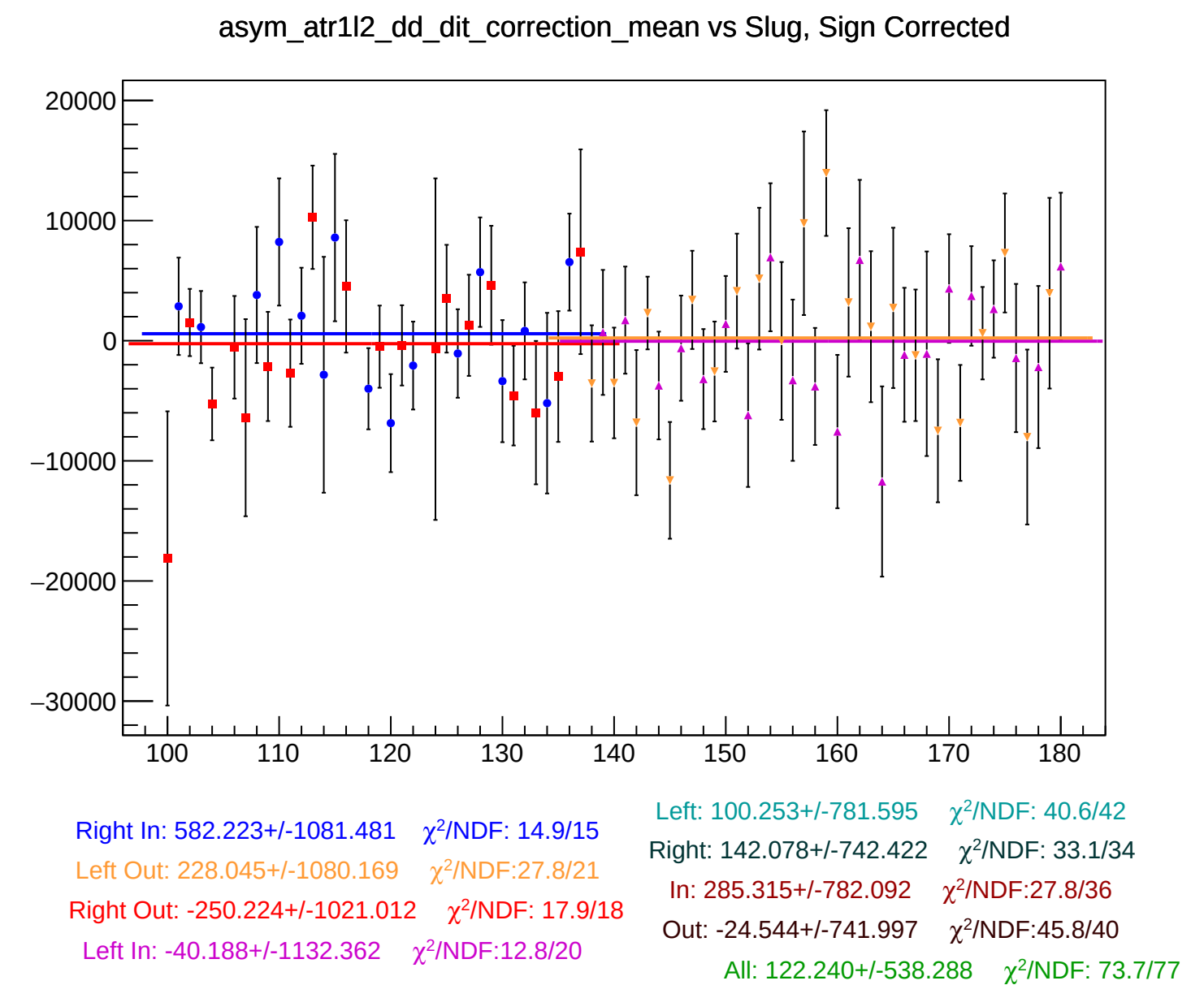
Left: 1887.249+/-0.227 χ^2/NDF: 340810.8/42

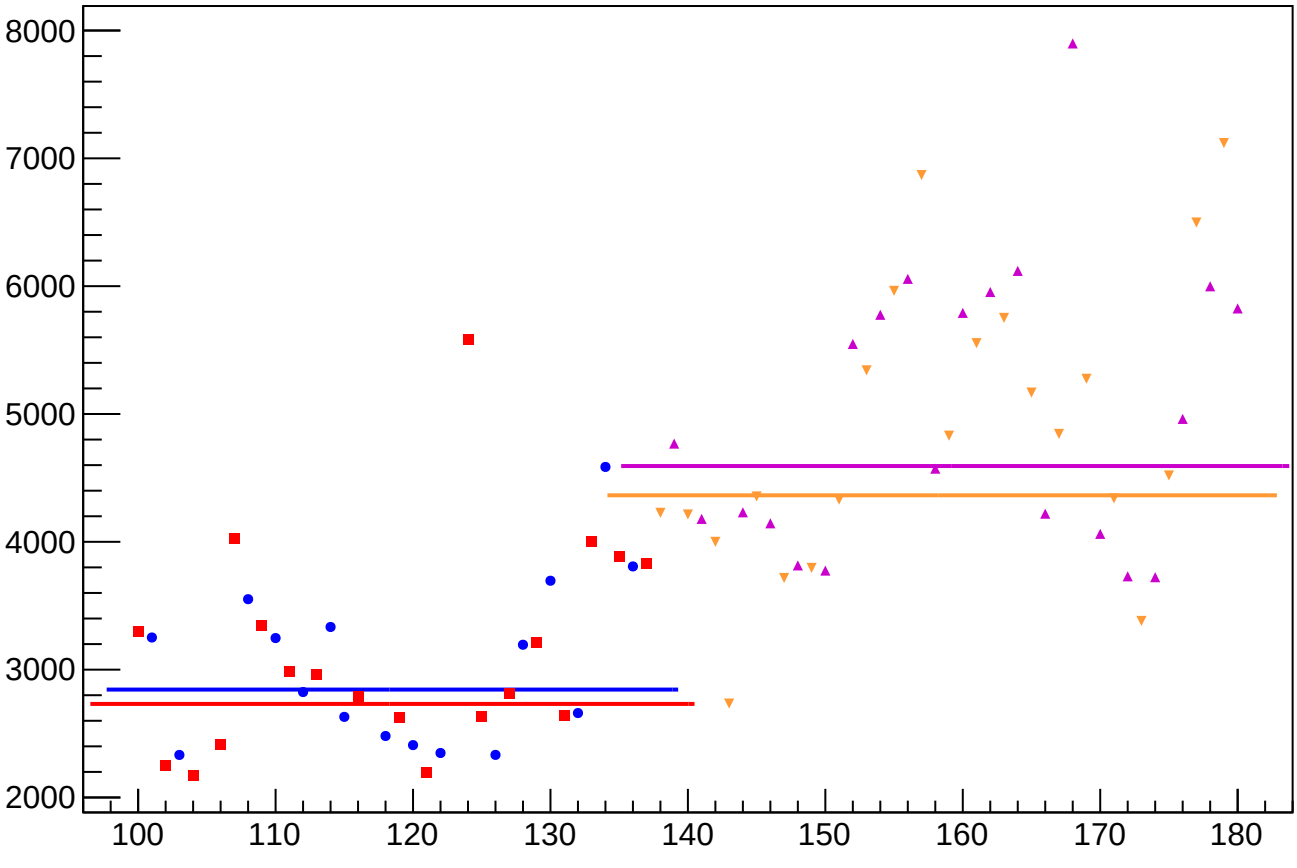
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1863.730+/-0.269 χ^2/NDF:782518.0/36

Out: 1825.703+/-0.261 χ^2/NDF:556743.5/40

All: 1844.174+/-0.187 χ^2/NDF: 1349569.4/77


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: 228.045+/-1080.169 χ²/NDF:27.8/21
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -40.188+/-1132.362 χ²/NDF:12.8/20
Left: 100.253+/-781.595 χ²/NDF: 40.6/42
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 285.315+/-782.092 χ²/NDF:27.8/36
Out: -24.544+/-741.997 χ²/NDF:45.8/40
All: 122.240+/-538.288 χ²/NDF: 73.7/77



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4363.922+/-0.764 χ^2/NDF:1890674.5/21

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4592.889+/-0.801 χ^2/NDF:1346882.2/20

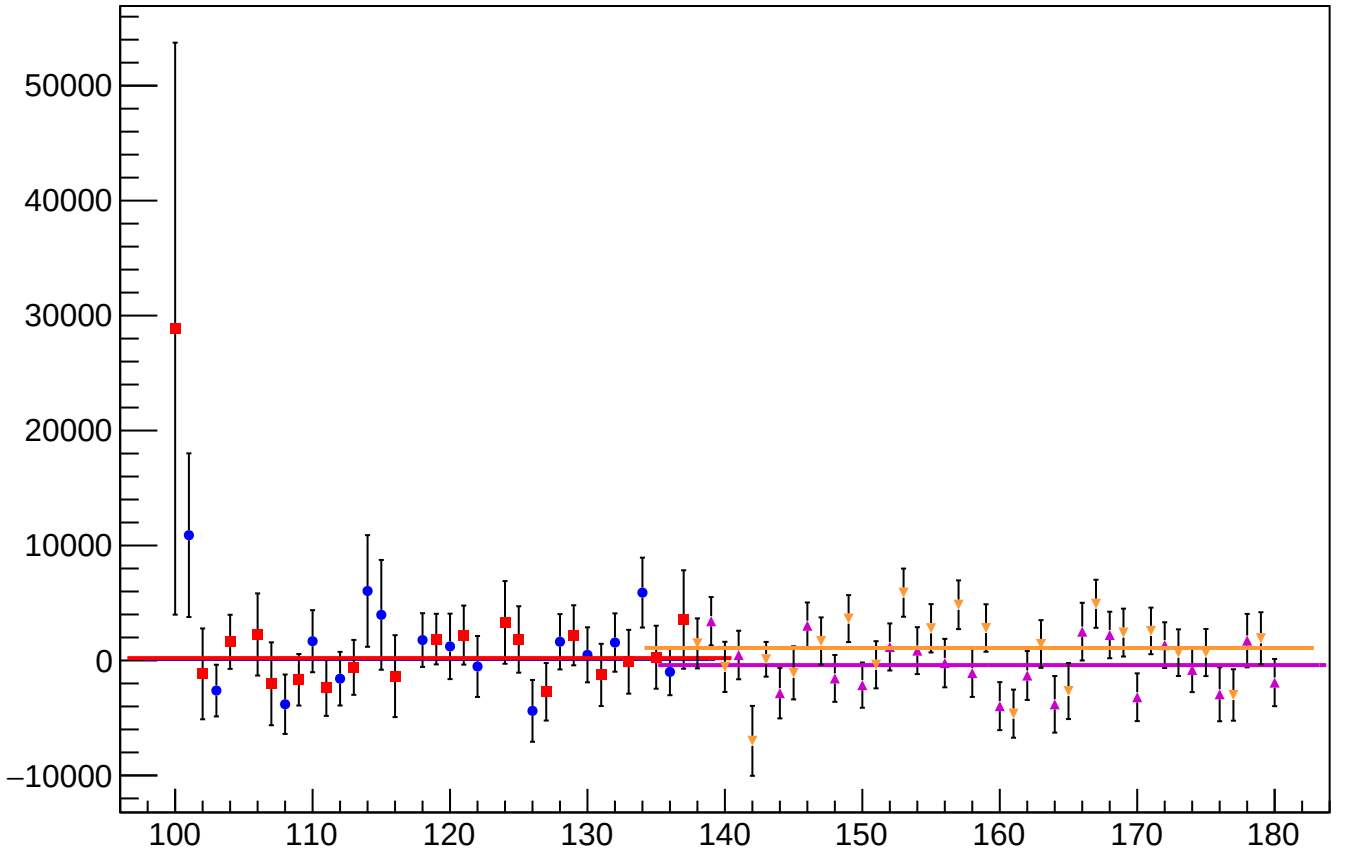
Left: 4473.007+/-0.553 χ^2/NDF: 3280370.9/42

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3678.350+/-0.553 χ^2/NDF:4383427.2/36

Out: 3502.040+/-0.525 χ^2/NDF:4912961.6/40

All: 3585.560+/-0.381 χ^2/NDF: 9349881.4/77



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.678+/-447.691 χ^2/NDF:38.7/21

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -401.570+/-460.597 χ^2/NDF:23.0/20

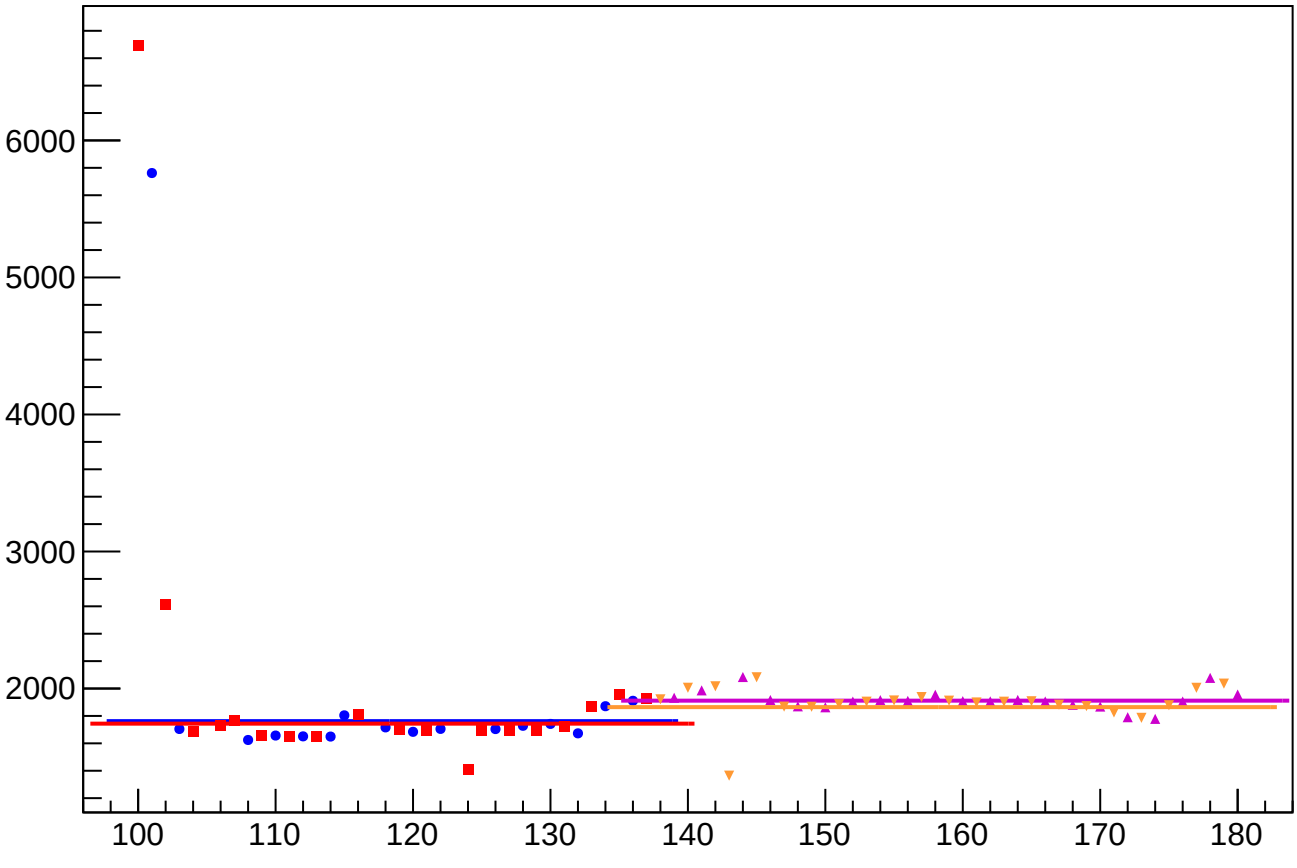
Left: 365.239+/-321.031 χ^2/NDF: 67.1/42

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -230.306+/-379.853 χ^2/NDF:40.7/36

Out: 807.792+/-369.505 χ^2/NDF:49.6/40

All: 303.074+/-264.862 χ^2/NDF: 94.2/77



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.290+/-0.317 χ^2/NDF:282563.2/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1911.553+/-0.326 χ^2/NDF:47425.0/20

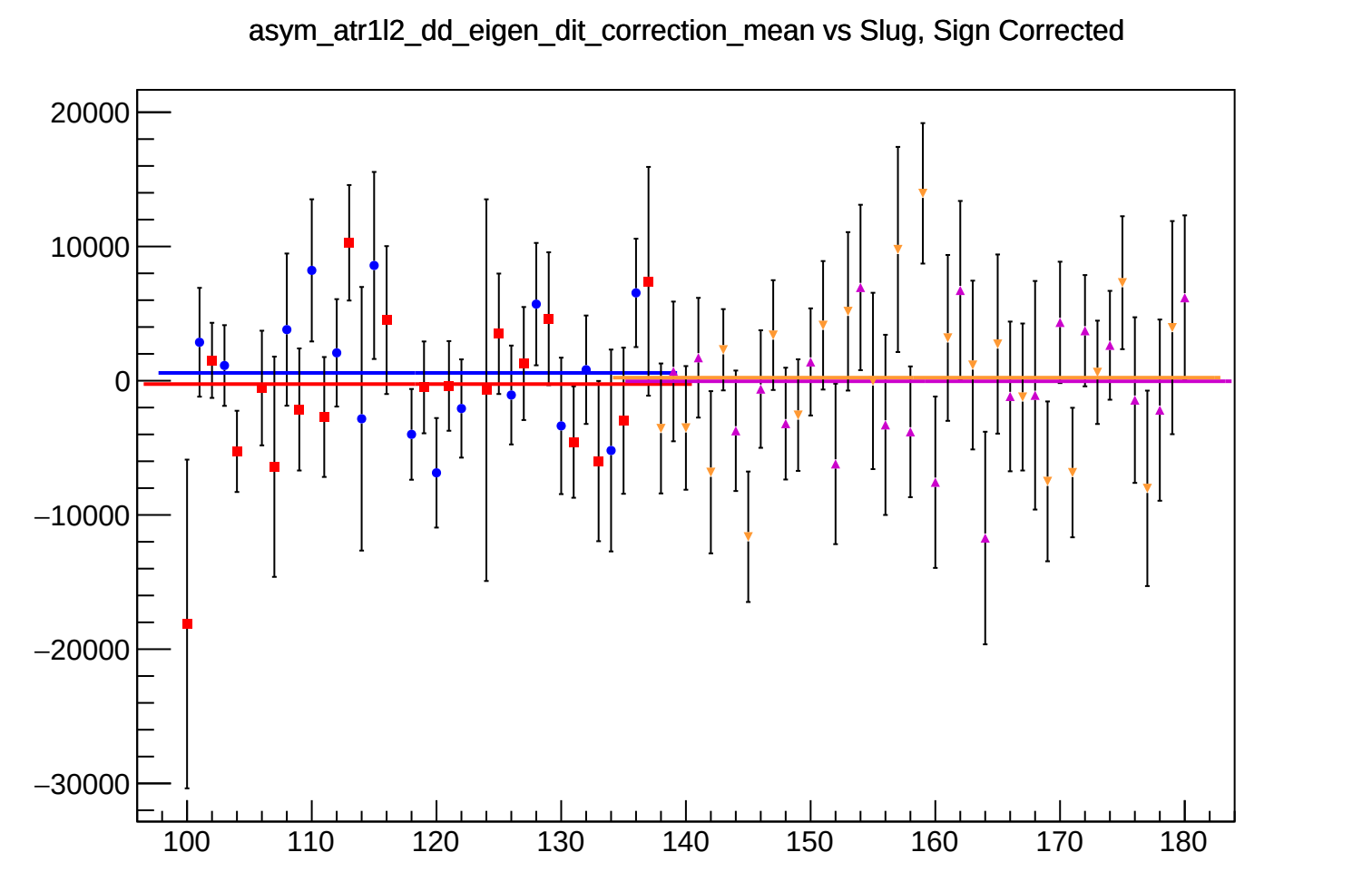
Left: 1887.250+/-0.227 χ^2/NDF: 340816.6/42

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1863.731+/-0.269 χ^2/NDF:782521.2/36

Out: 1825.704+/-0.261 χ^2/NDF:556747.8/40

All: 1844.175+/-0.187 χ^2/NDF: 1349576.9/77



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 228.048+/-1080.171 χ^2/NDF:27.8/21

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -40.189+/-1132.364 χ^2/NDF:12.8/20

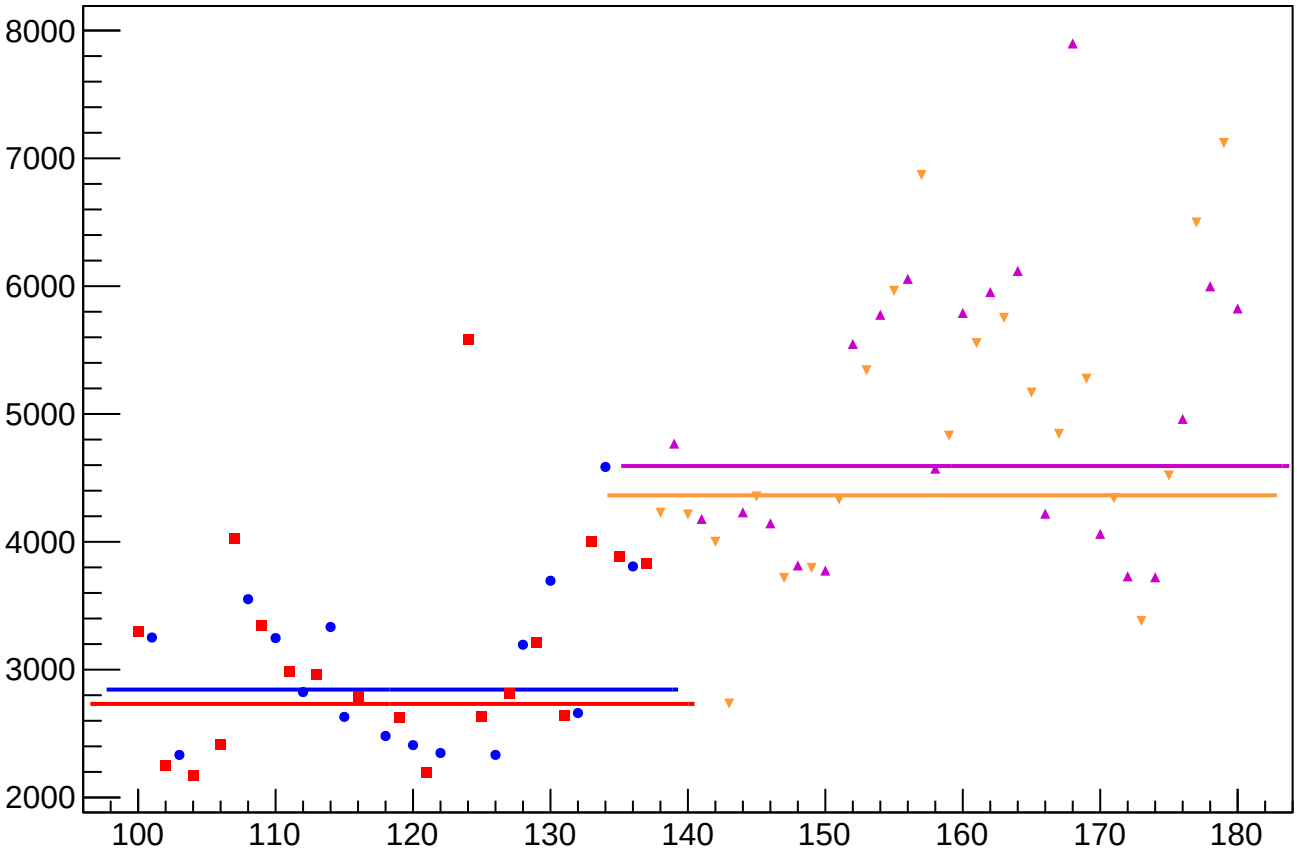
Left: 100.254+/-781.596 χ^2/NDF: 40.6/42

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 285.314+/-782.091 χ^2/NDF:27.8/36

Out: -24.544+/-741.997 χ^2/NDF:45.8/40

All: 122.239+/-538.287 χ^2/NDF: 73.7/77



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4363.929+/-0.764 χ^2/NDF:1890679.5/21

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4592.897+/-0.801 χ^2/NDF:1346882.7/20

Left: 4473.015+/-0.553 χ^2/NDF: 3280376.6/42

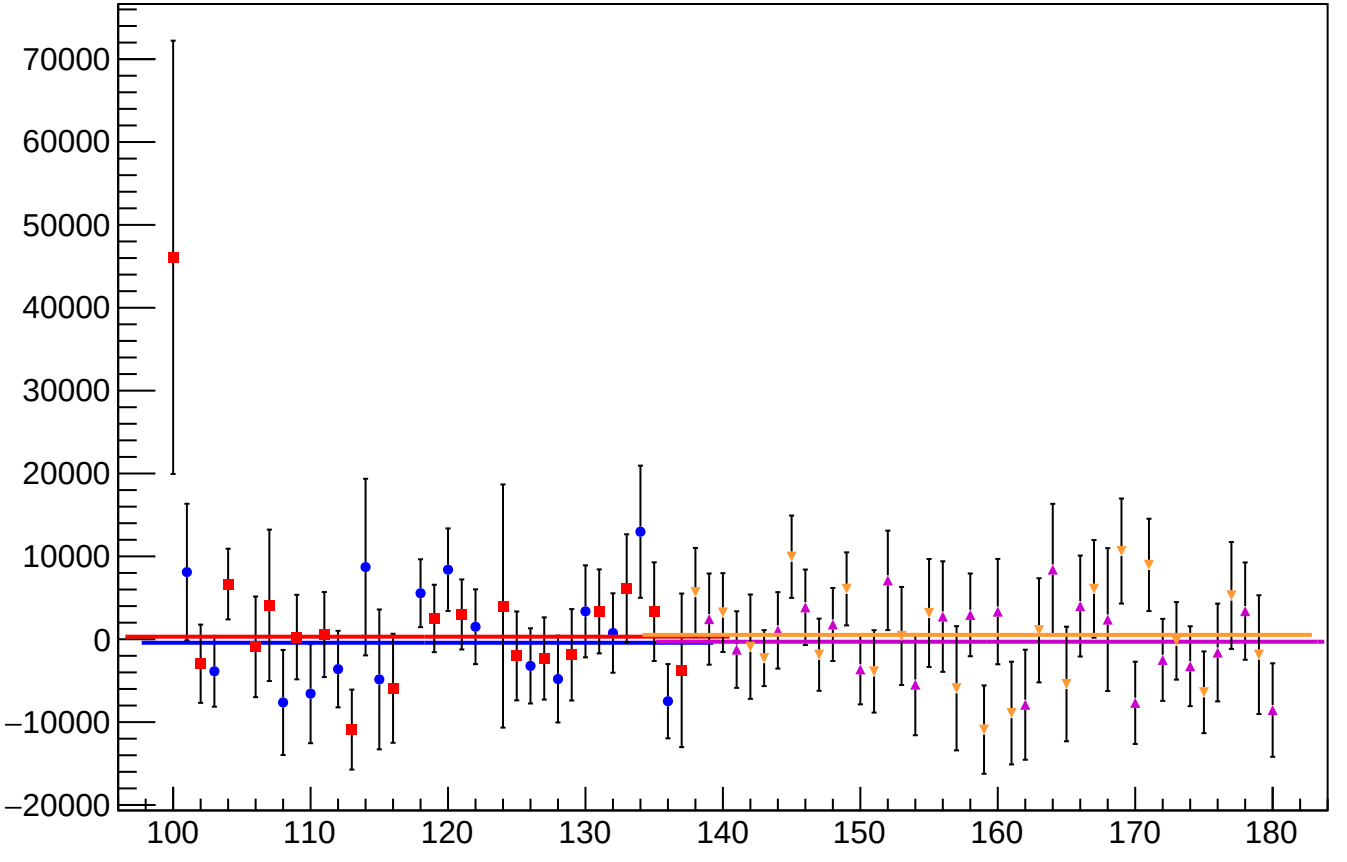
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3678.347+/-0.553 χ^2/NDF:4383478.0/36

Out: 3502.038+/-0.525 χ^2/NDF:4913001.9/40

All: 3585.557+/-0.381 χ^2/NDF: 9349971.8/77

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 530.530+/-1138.730 χ^2/NDF:25.2/21

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: -299.579+/-1180.812 χ^2/NDF:13.7/20

Left: 130.531+/-819.677 χ^2/NDF: 39.2/42

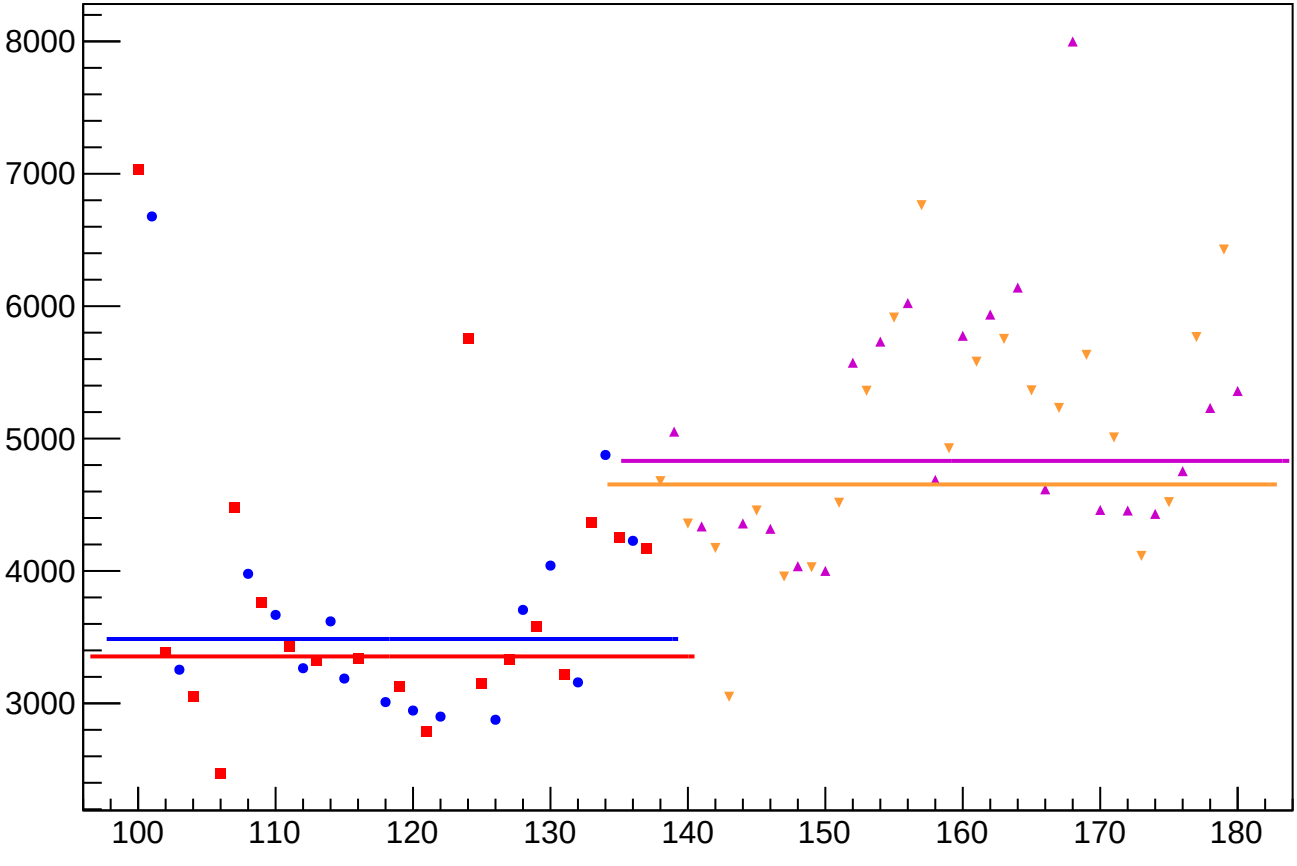
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -354.165+/-882.211 χ^2/NDF:31.6/36

Out: 431.772+/-849.522 χ^2/NDF:40.5/40

All: 53.633+/-611.933 χ^2/NDF: 72.5/77

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4653.494+/-0.805 χ^2/NDF:1246363.8/21

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4831.412+/-0.835 χ^2/NDF:844977.0/20

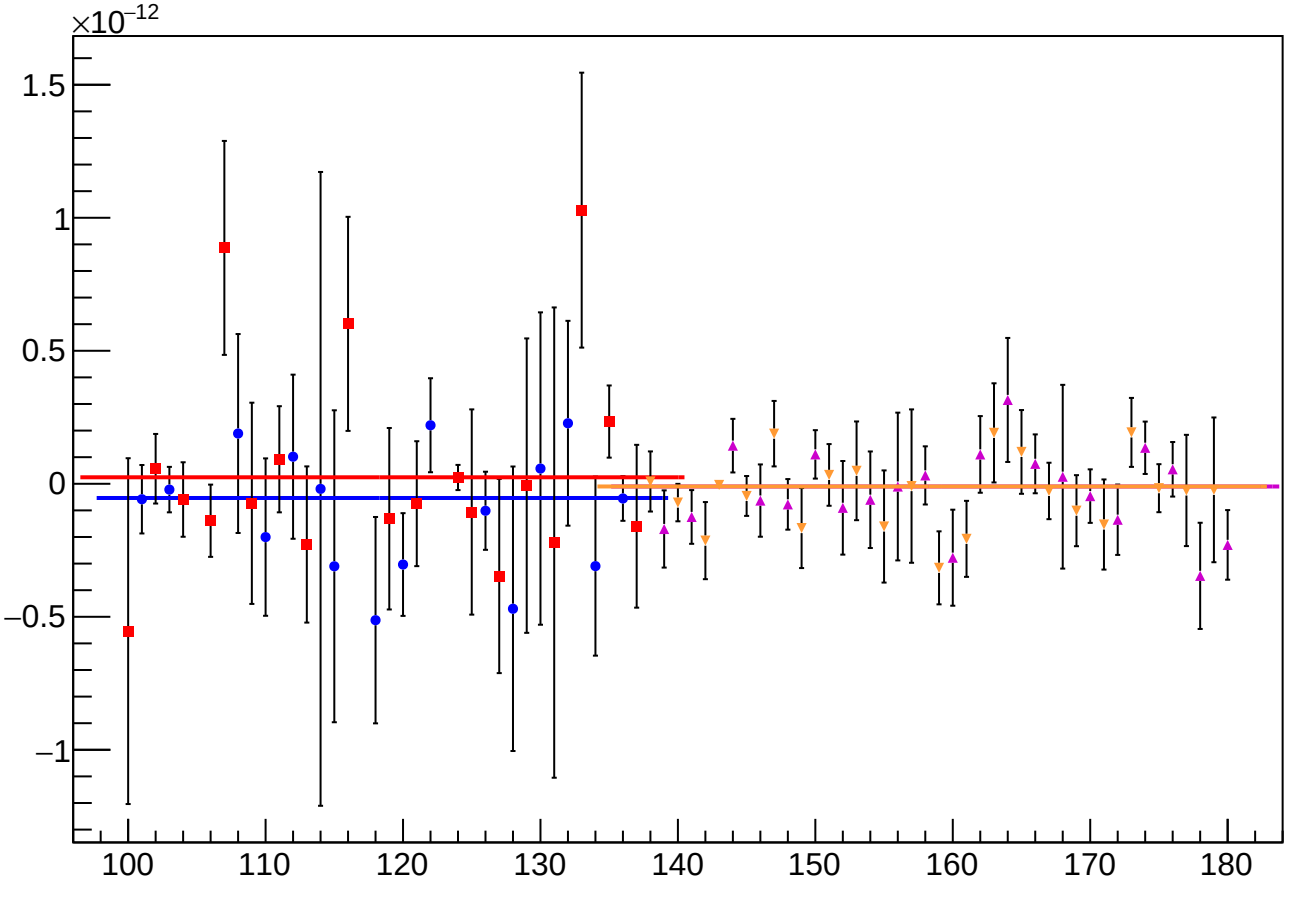
Left: 4739.226+/-0.580 χ^2/NDF: 2114867.1/42

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4237.070+/-0.624 χ^2/NDF:2587617.6/36

Out: 4068.413+/-0.597 χ^2/NDF:2795083.7/40

All: 4149.031+/-0.431 χ^2/NDF: 5420857.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:22.4/20

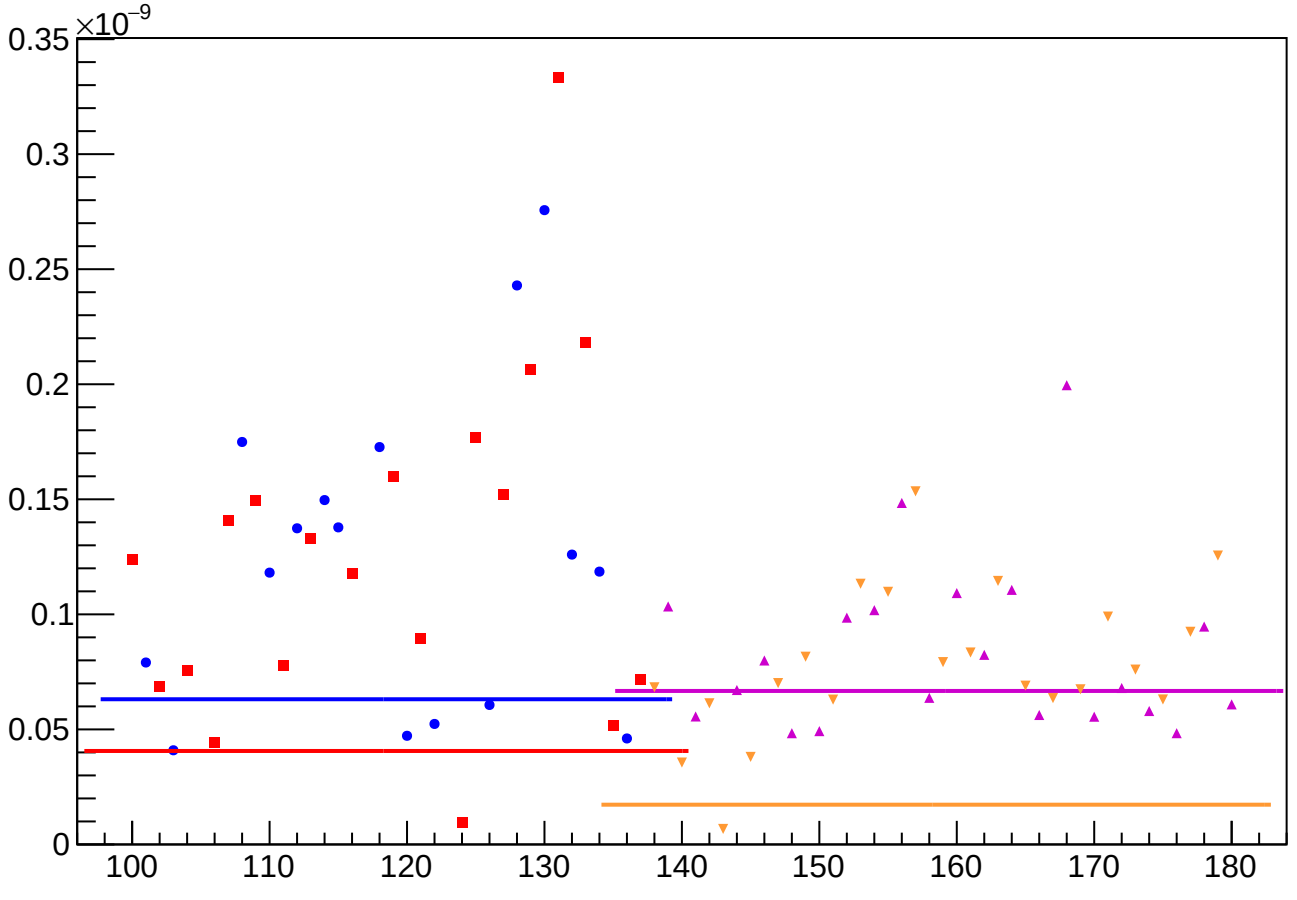
Left: -0.000+/-0.000 χ^2/NDF: 42.4/42

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:31.6/36

Out: -0.000+/-0.000 χ^2/NDF:39.2/40

All: -0.000+/-0.000 χ^2/NDF: 71.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8849478.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1302041.4/20

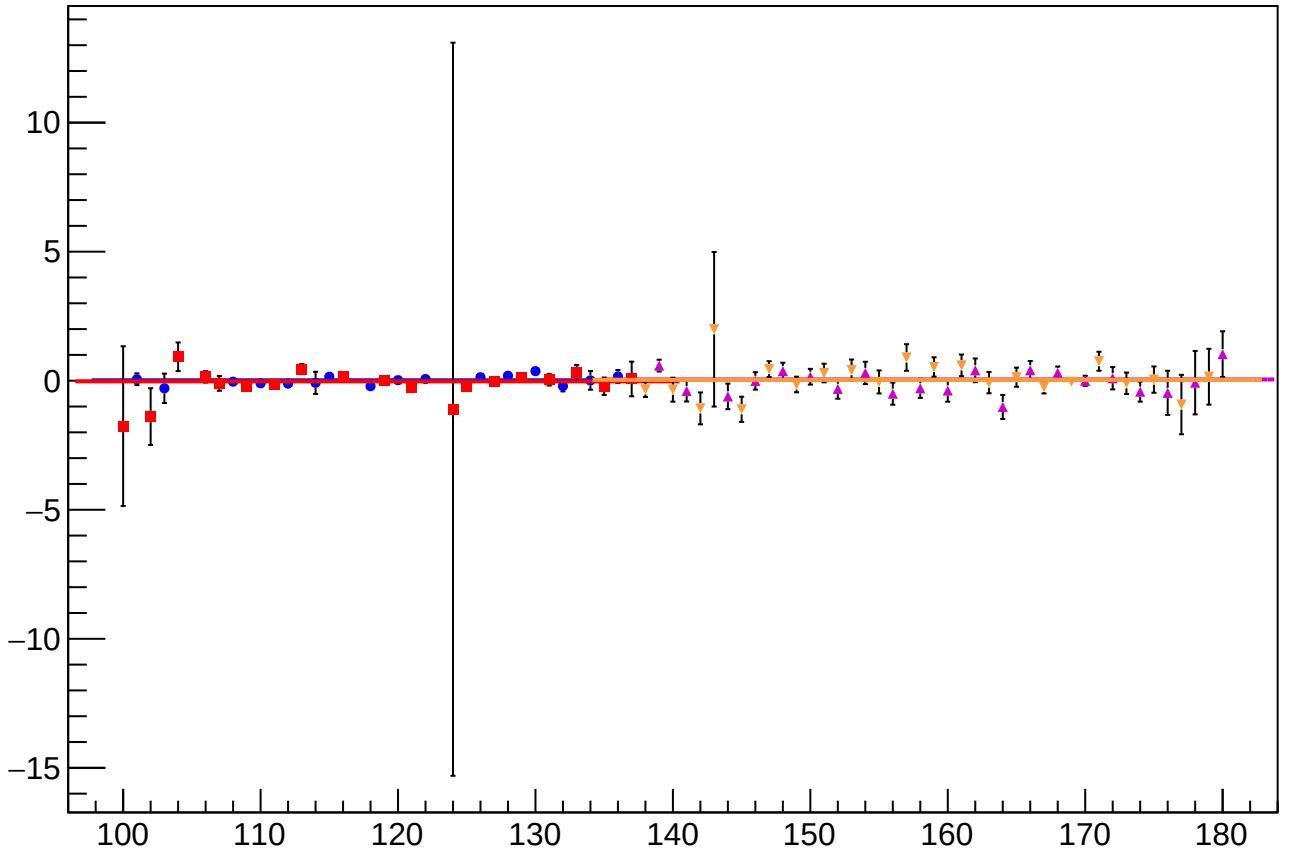
Left: 0.000+/-0.000 χ^2/NDF: 15594550.1/42

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2743555.1/36

Out: 0.000+/-0.000 χ^2/NDF:12792991.9/40

All: 0.000+/-0.000 χ^2/NDF: 21871914.0/77



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.049+/-0.078 χ^2/NDF:25.5/20

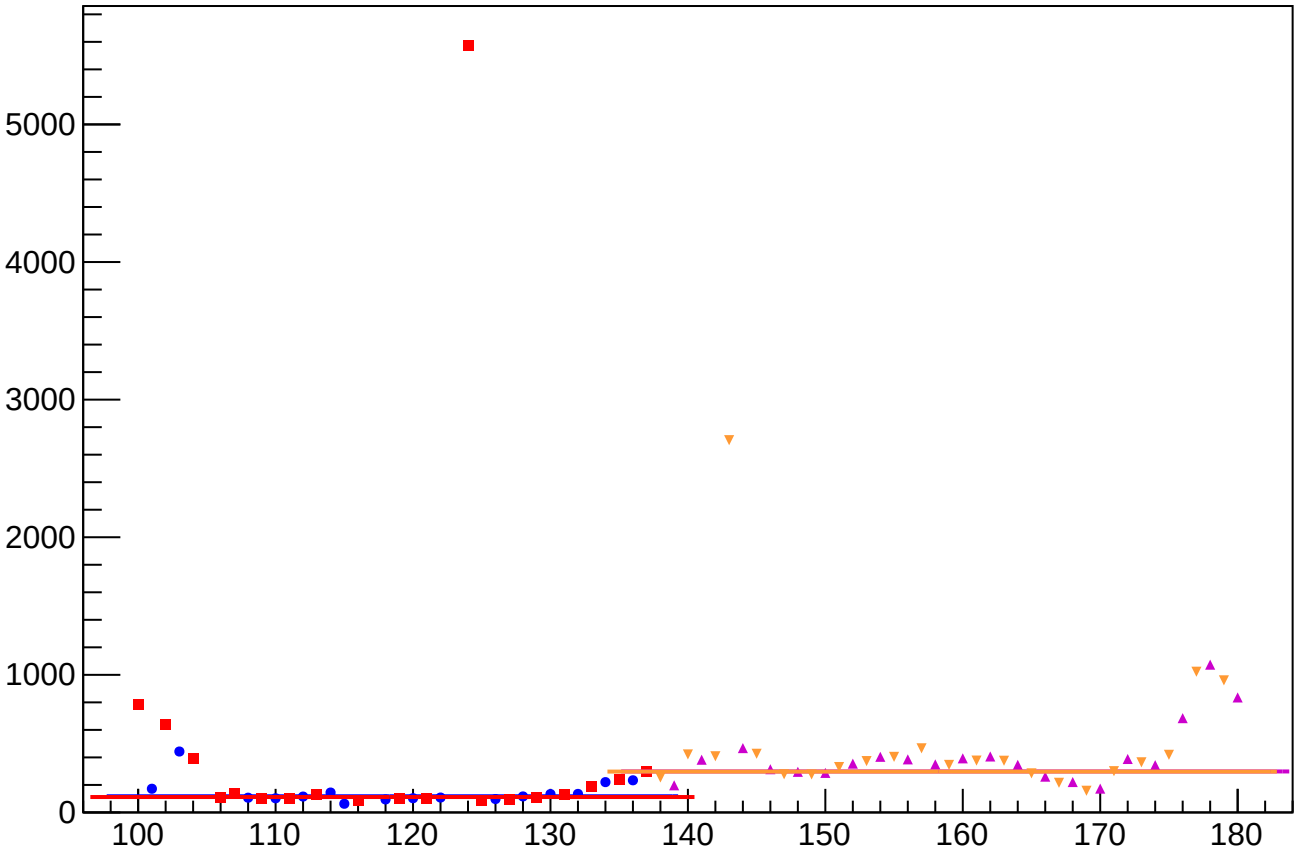
Left: 0.040+/-0.056 χ^2/NDF: 53.2/42

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:37.4/36

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.007+/-0.029 χ^2/NDF: 87.9/77



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

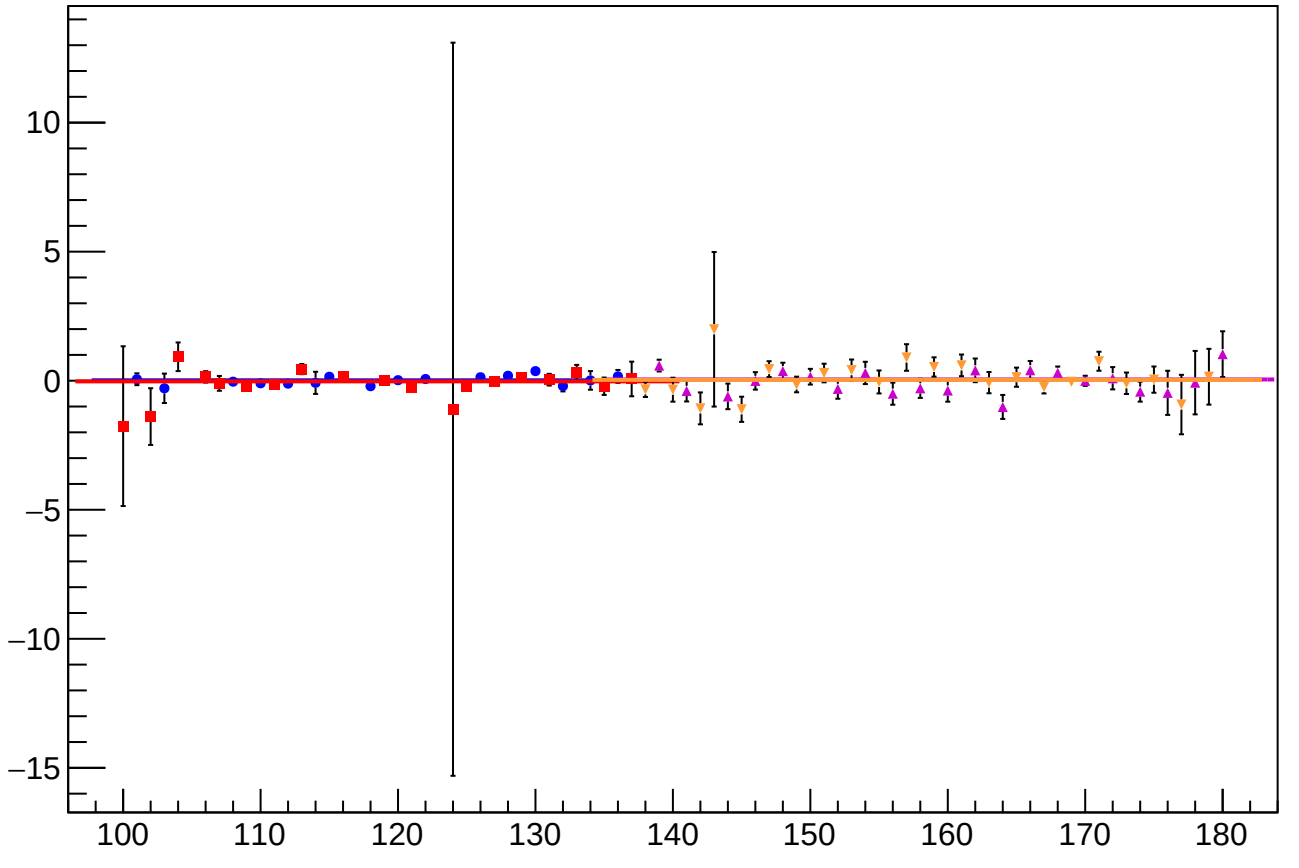
Left: 297.498+/-0.039 χ^2/NDF: 9801943.5/42

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 166.962+/-0.029 χ^2/NDF:13806190.1/36

Out: 160.203+/-0.028 χ^2/NDF:15760041.8/40

All: 163.538+/-0.020 χ^2/NDF: 29594002.8/77



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.049+/-0.078 χ^2/NDF:25.5/20

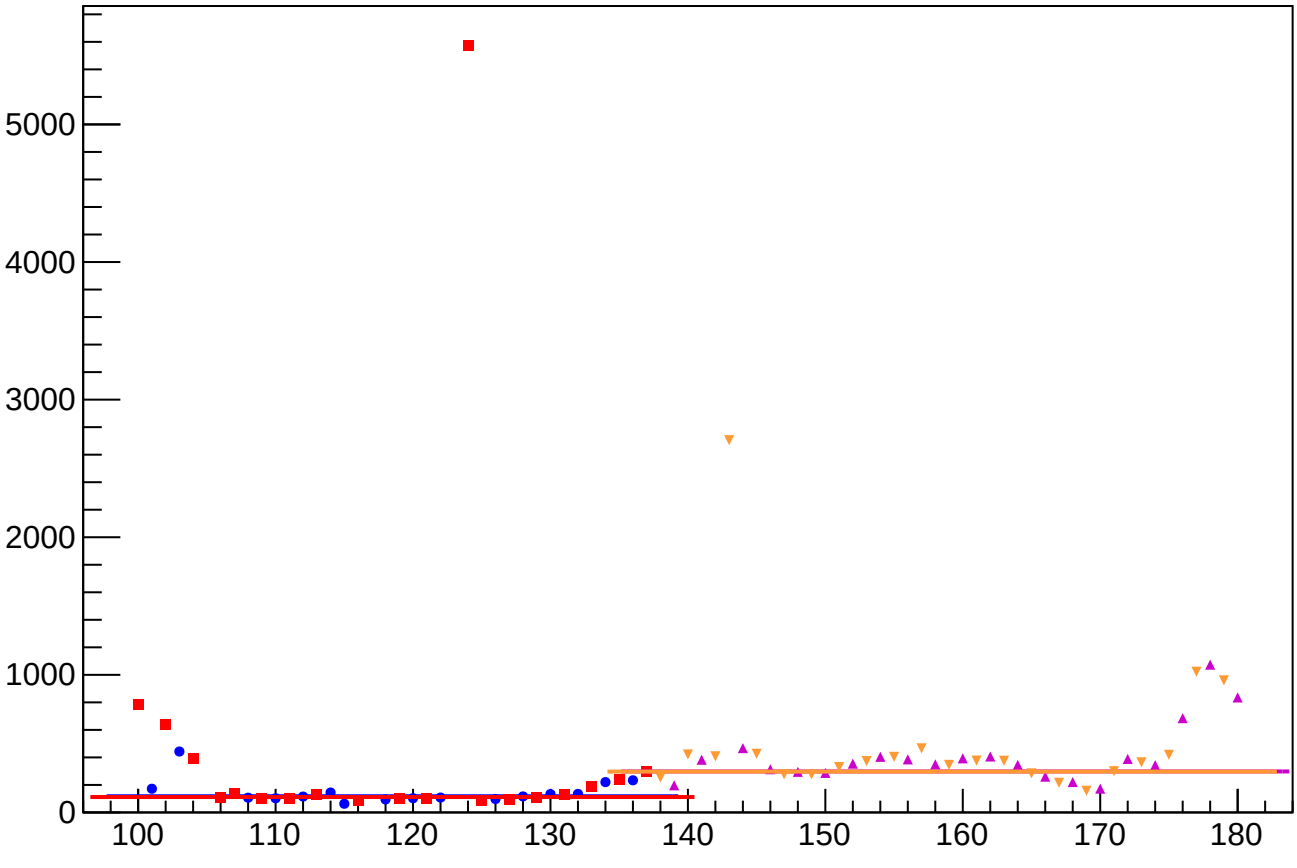
Left: 0.040+/-0.056 χ^2/NDF: 53.2/42

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:37.4/36

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.007+/-0.029 χ^2/NDF: 87.9/77



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 297.981+/-0.055 χ^2/NDF:4330138.2/20

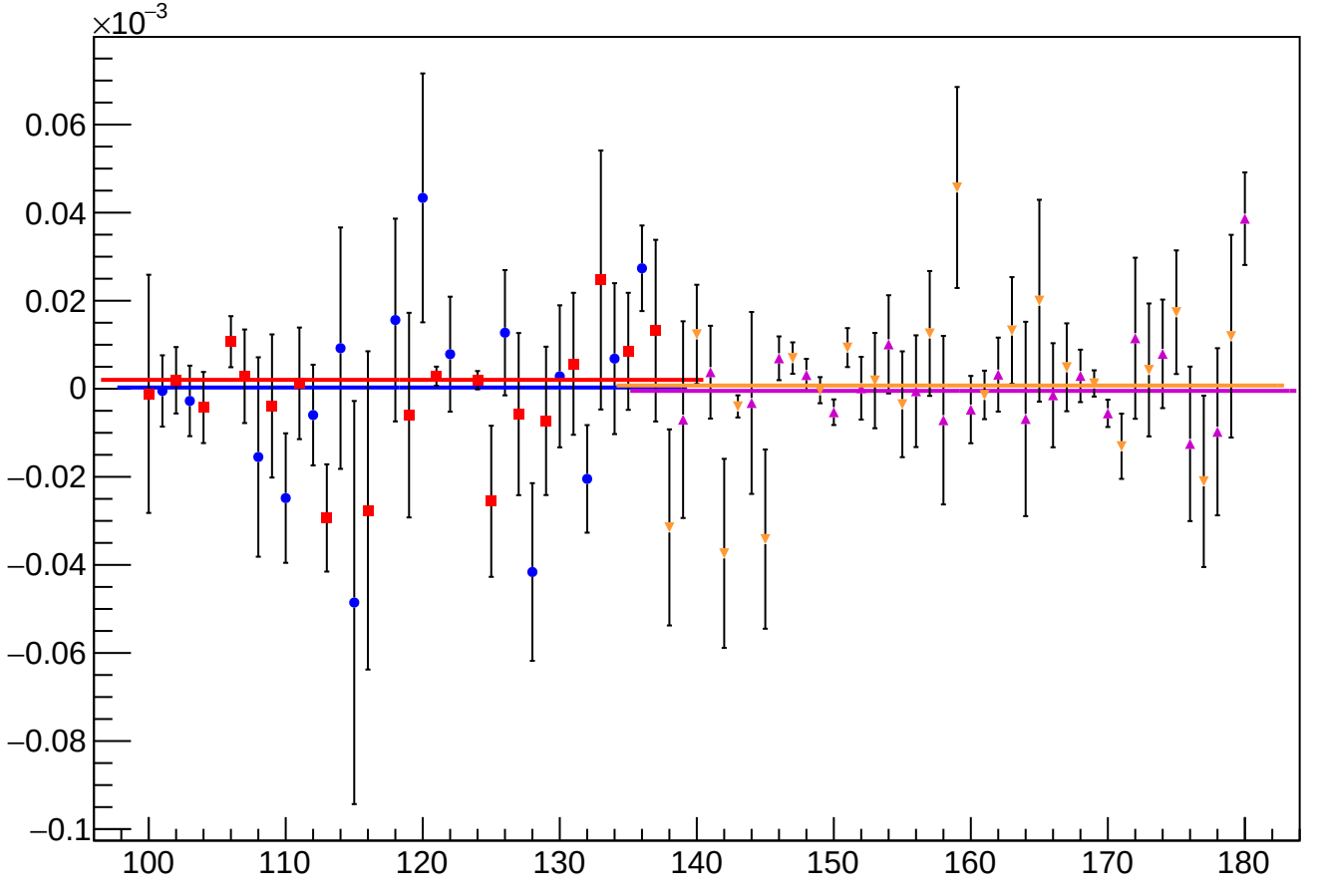
Left: 297.498+/-0.039 χ^2/NDF: 9801943.5/42

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 166.962+/-0.029 χ^2/NDF:13806190.1/36

Out: 160.203+/-0.028 χ^2/NDF:15760041.8/40

All: 163.538+/-0.020 χ^2/NDF: 29594002.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:26.3/20

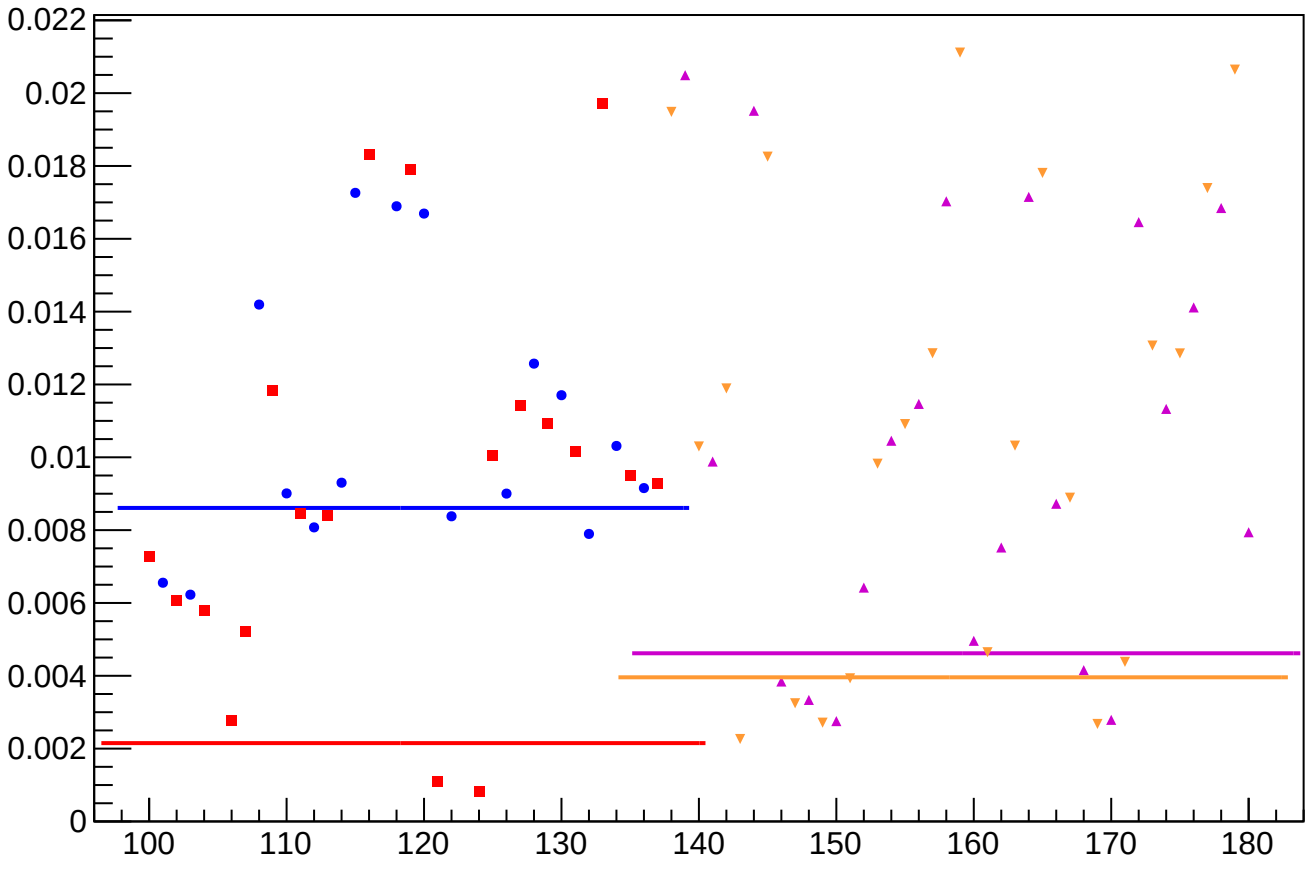
Left: 0.000+/-0.000 χ^2/NDF: 59.7/42

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:50.5/36

Out: 0.000+/-0.000 χ^2/NDF:48.3/40

All: 0.000+/-0.000 χ^2/NDF: 99.9/77



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13091322.5/21

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10643916.6/20

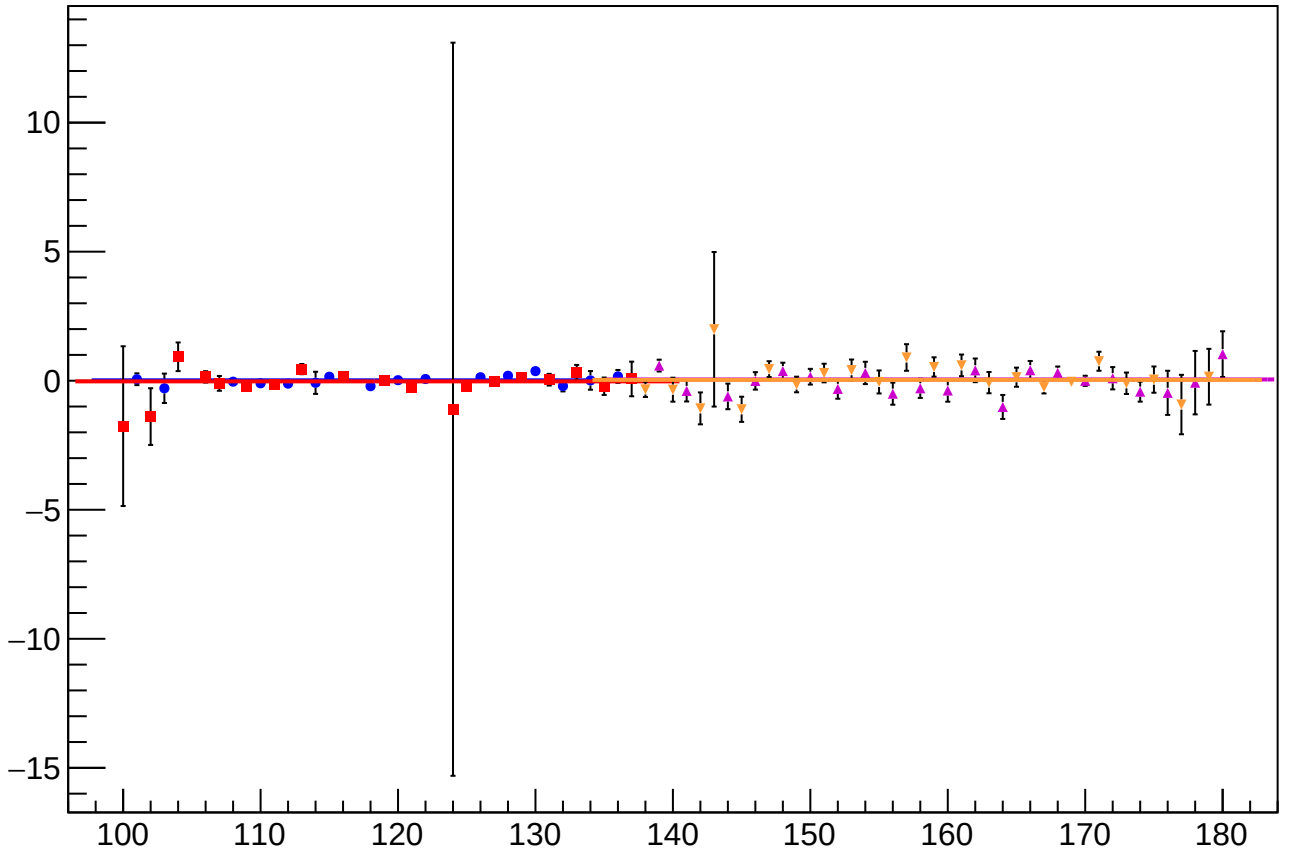
Left: 0.004+/-0.000 χ^2/NDF: 23973243.3/42

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:14124029.2/36

Out: 0.003+/-0.000 χ^2/NDF:24118833.5/40

All: 0.004+/-0.000 χ^2/NDF: 41714868.4/77



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.049+/-0.078 χ^2/NDF:25.5/20

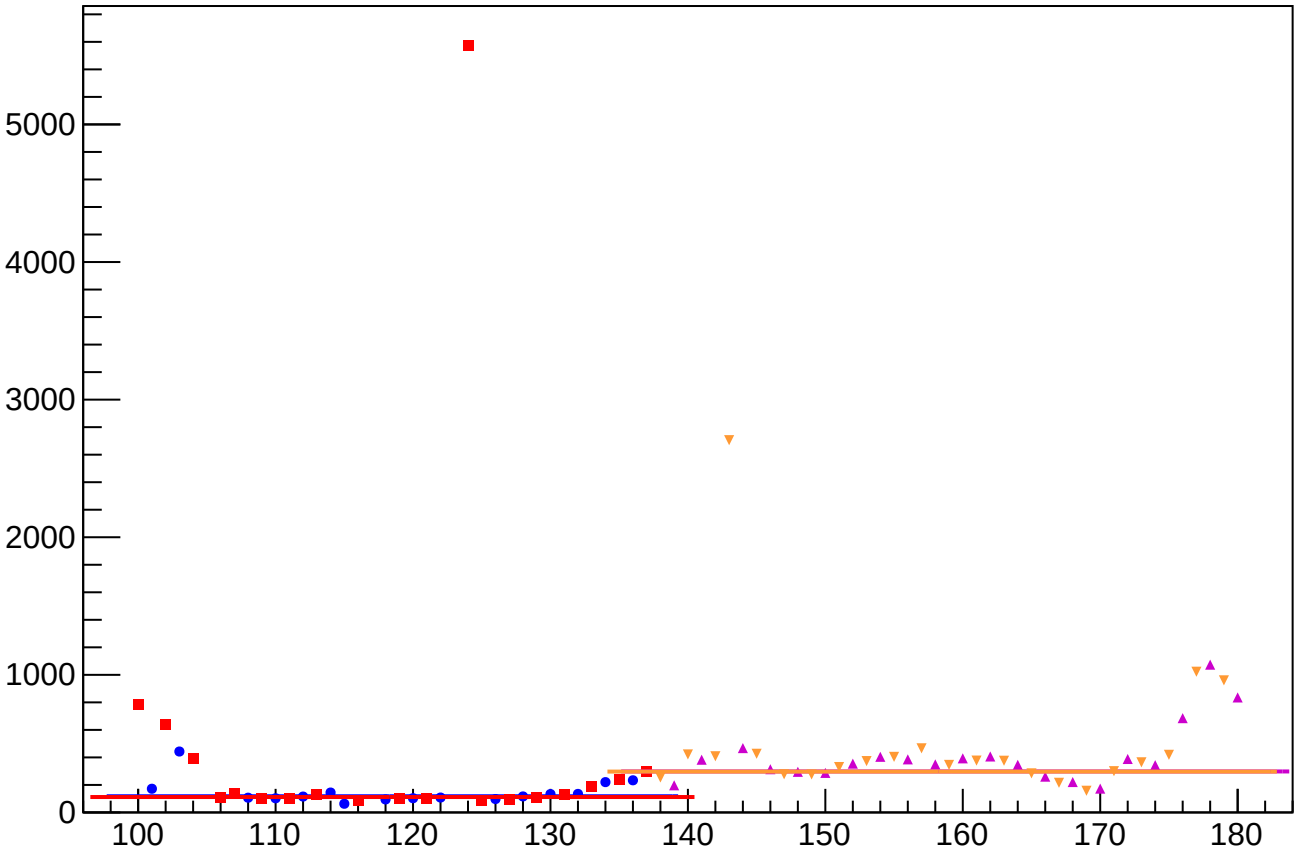
Left: 0.041+/-0.056 χ^2/NDF: 53.2/42

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:37.4/36

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.007+/-0.029 χ^2/NDF: 87.9/77



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 297.006+/-0.056 χ^2/NDF:5471719.4/21

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

Left: 297.501+/-0.039 χ^2/NDF: 9801999.3/42

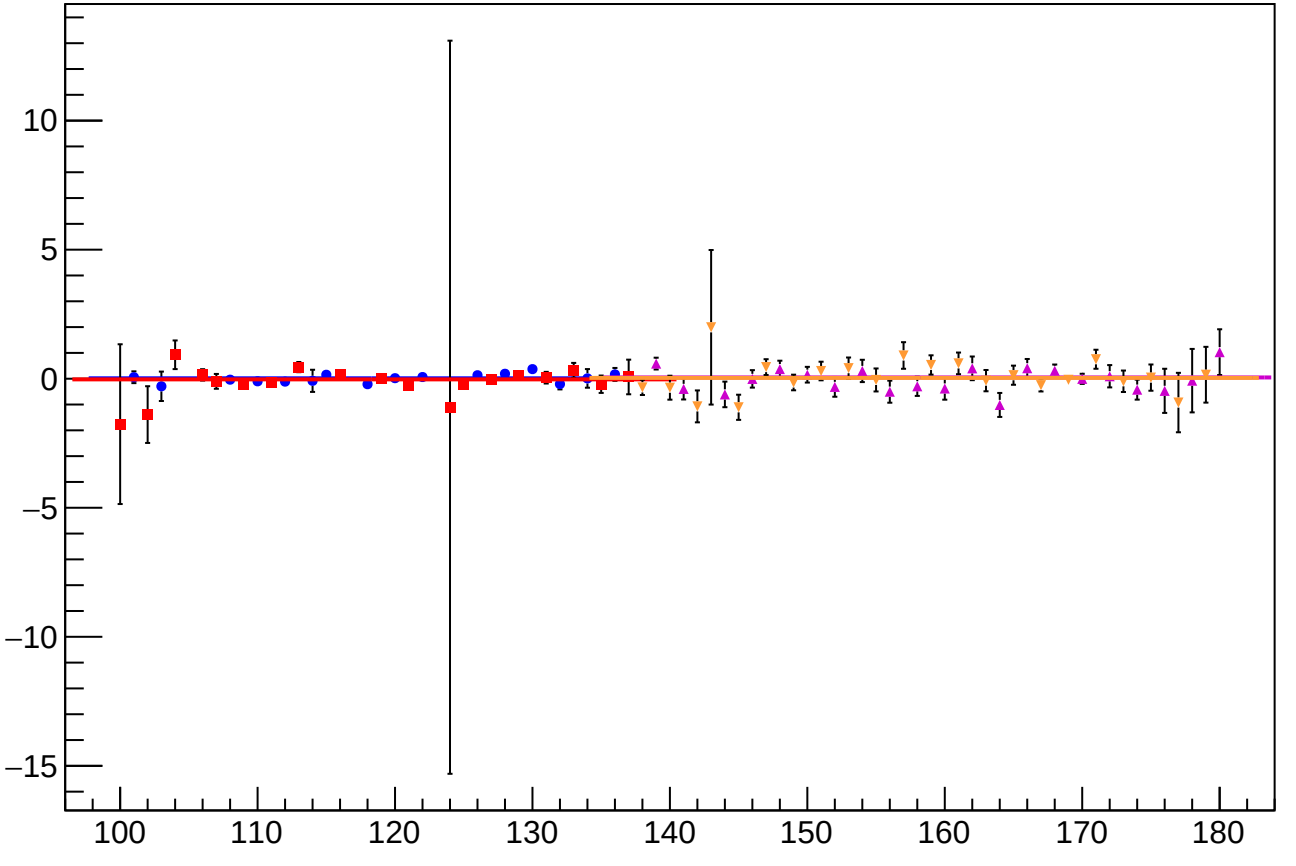
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 166.962+/-0.029 χ^2/NDF:13806280.1/36

Out: 160.205+/-0.028 χ^2/NDF:15759917.2/40

All: 163.539+/-0.020 χ^2/NDF: 29593952.8/77

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: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.049+/-0.078 χ^2/NDF:25.5/20

Left: 0.041+/-0.056 χ^2/NDF: 53.2/42

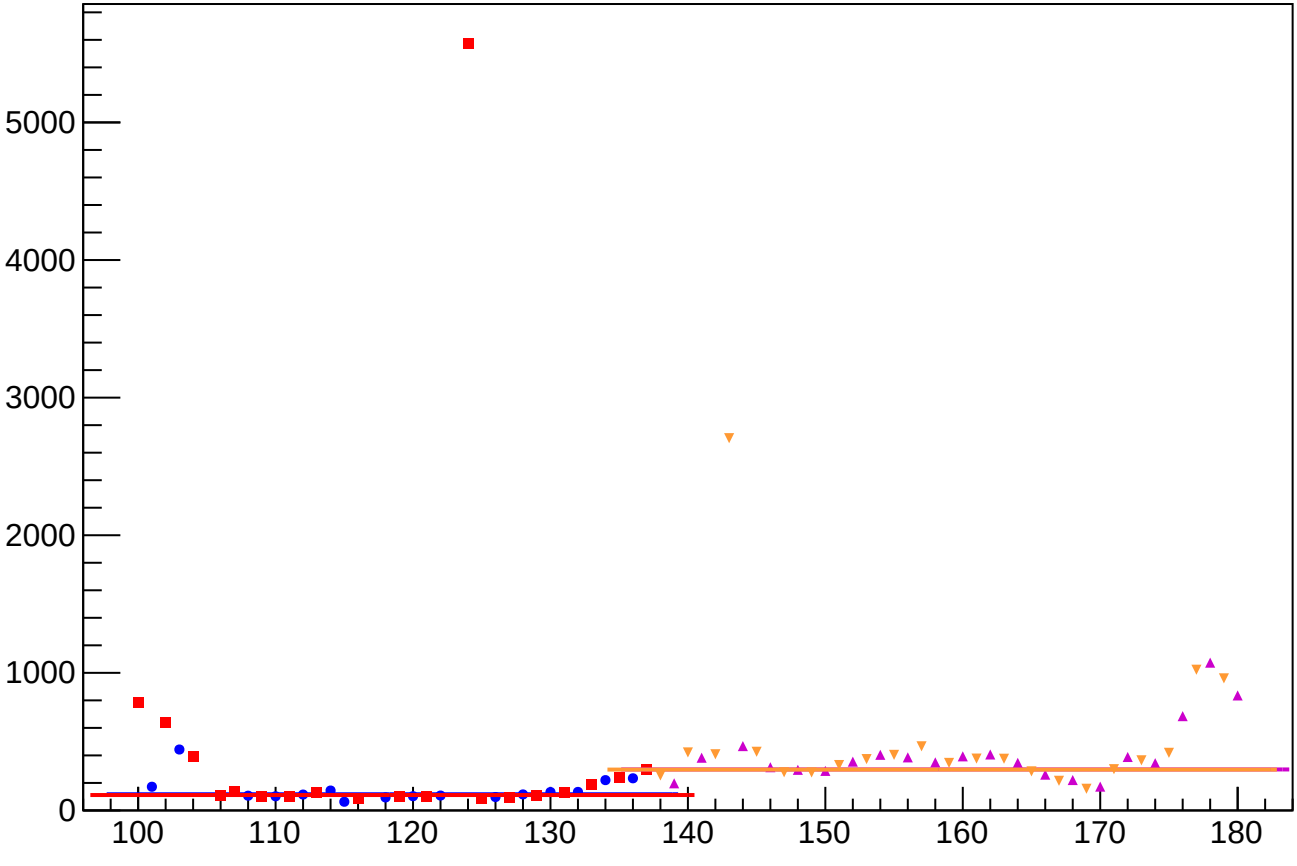
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:37.4/36

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.007+/-0.029 χ^2/NDF: 87.9/77

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: 297.006+/-0.056 χ^2/NDF:5471719.4/21

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 297.984+/-0.055 χ^2/NDF:4330124.9/20

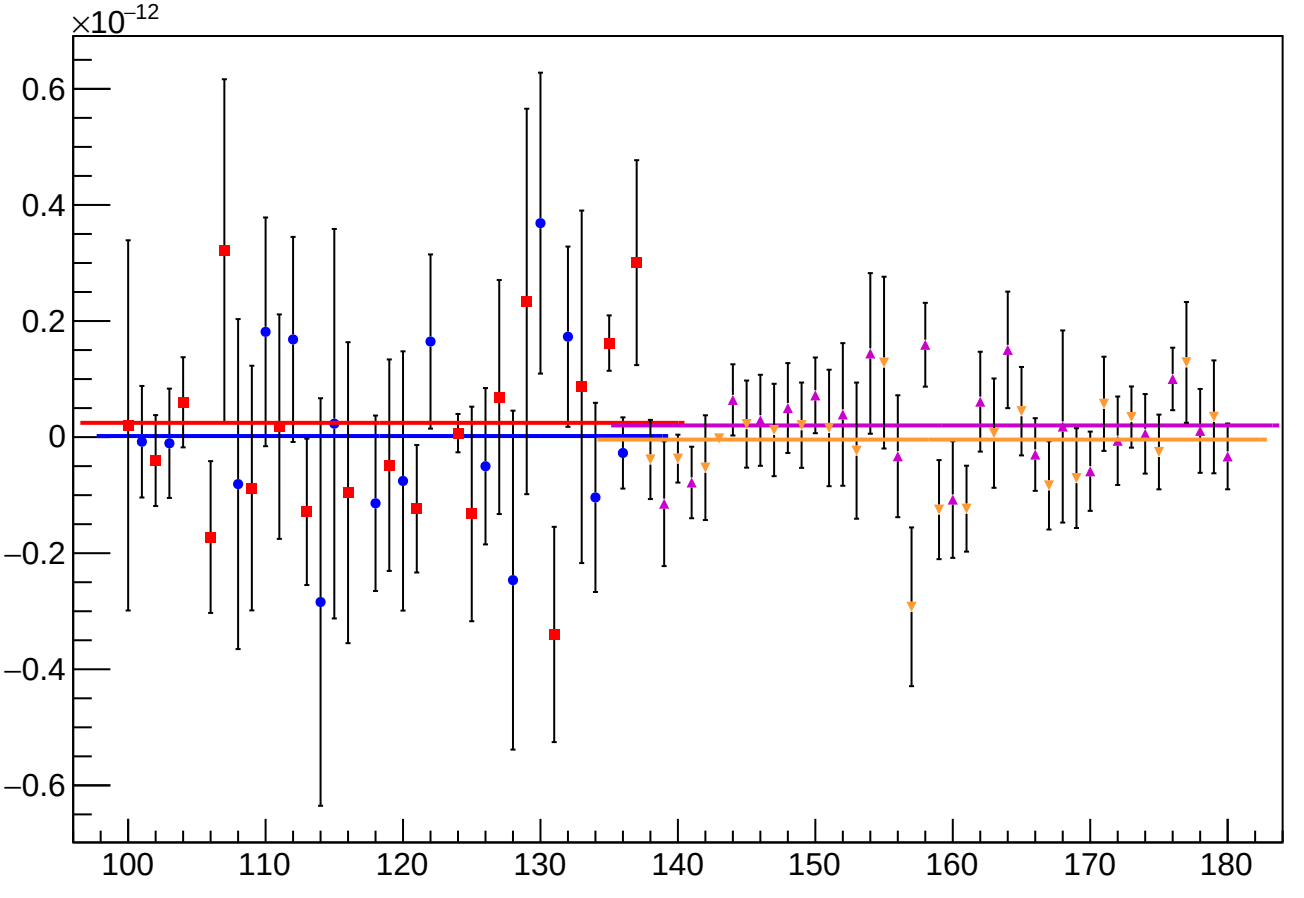
Left: 297.501+/-0.039 χ^2/NDF: 9801999.3/42

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 166.962+/-0.029 χ^2/NDF:13806280.1/36

Out: 160.205+/-0.028 χ^2/NDF:15759917.2/40

All: 163.539+/-0.020 χ^2/NDF: 29593952.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/20

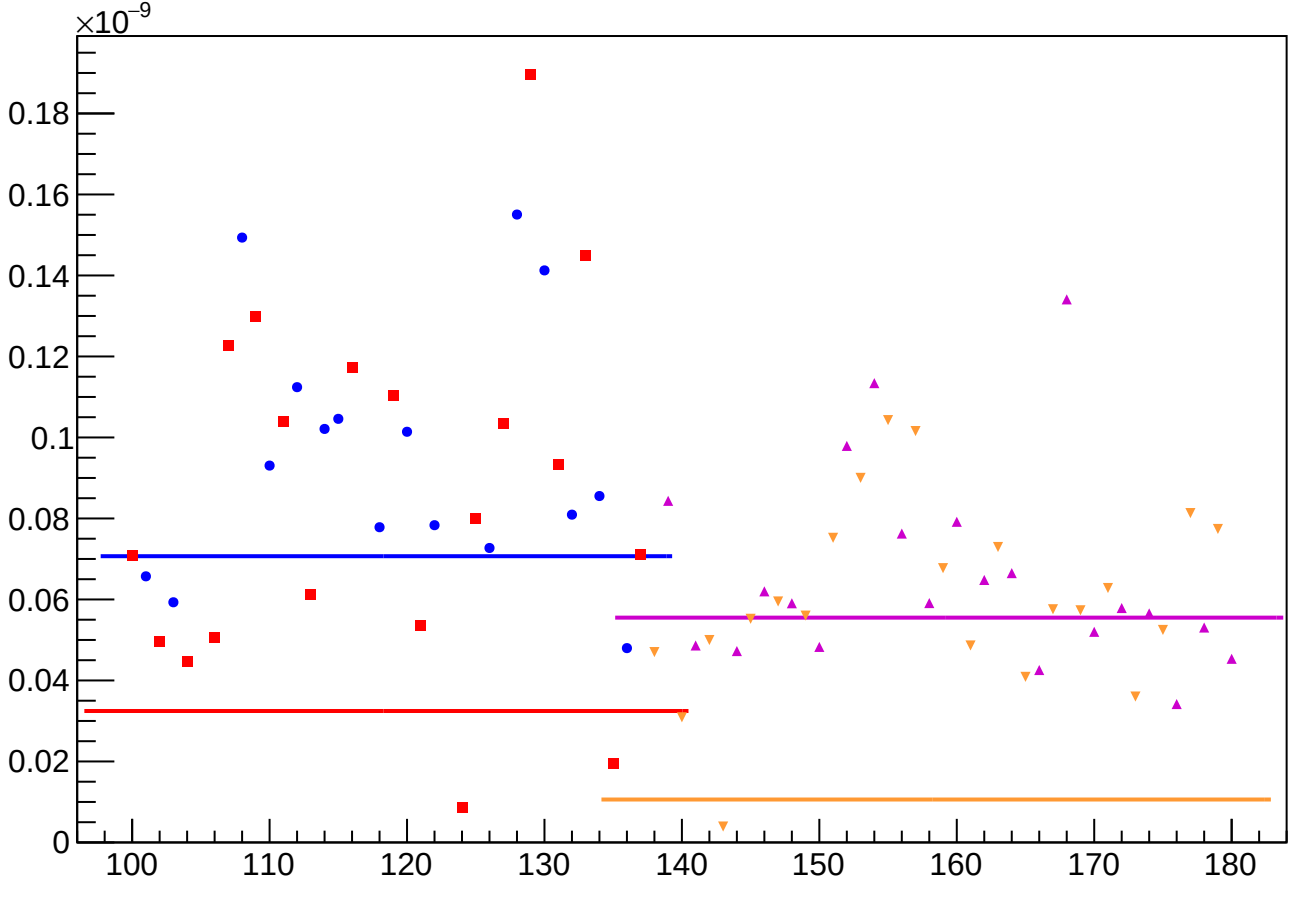
Left: -0.000+/-0.000 χ^2/NDF: 37.5/42

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:28.3/36

Out: -0.000+/-0.000 χ^2/NDF:42.4/40

All: 0.000+/-0.000 χ^2/NDF: 72.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17102690.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2001746.9/20

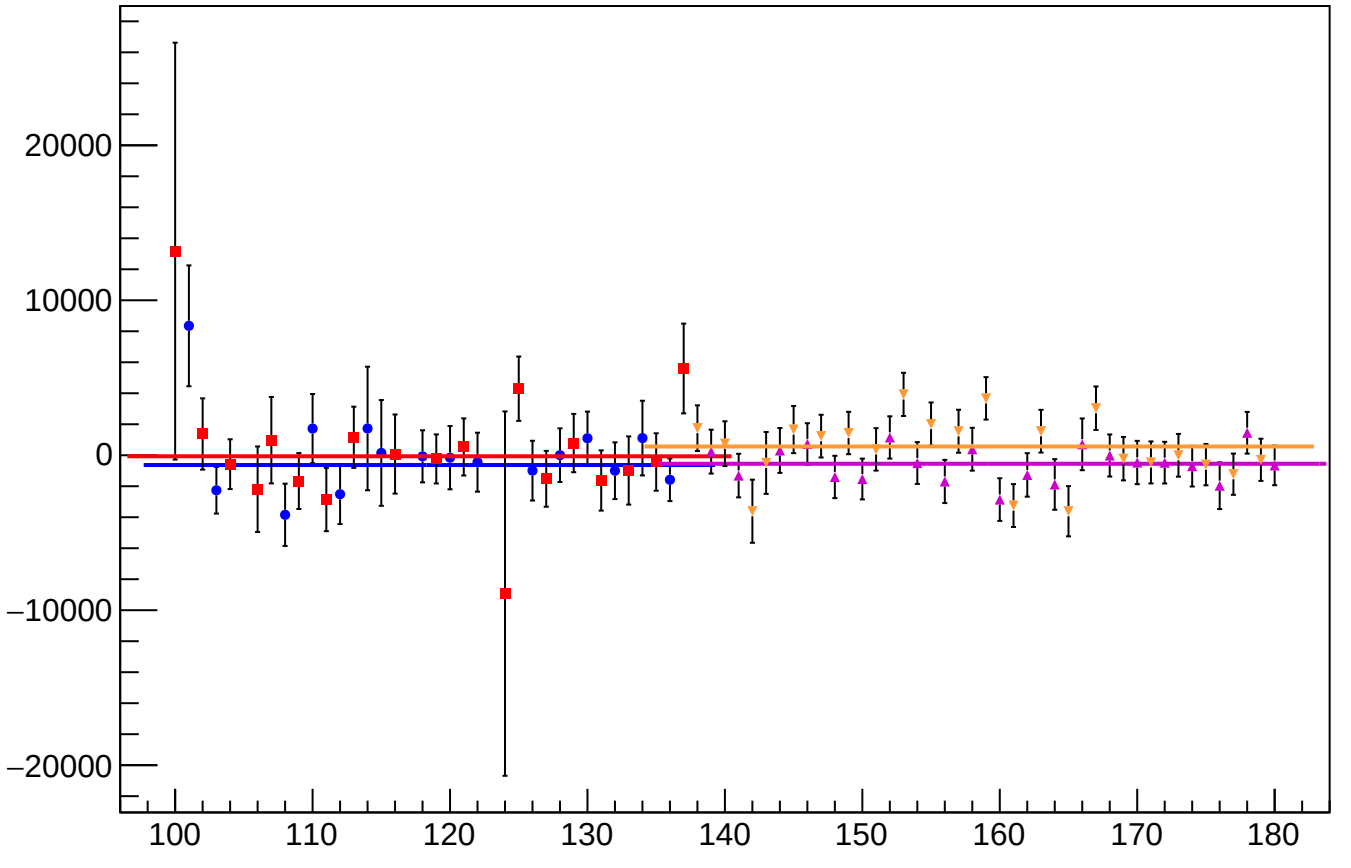
Left: 0.000+/-0.000 χ^2/NDF: 32050395.8/42

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:3340654.4/36

Out: 0.000+/-0.000 χ^2/NDF:23441741.3/40

All: 0.000+/-0.000 χ^2/NDF: 43303831.1/77



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -549.417+/-303.758 χ^2/NDF:13.1/20

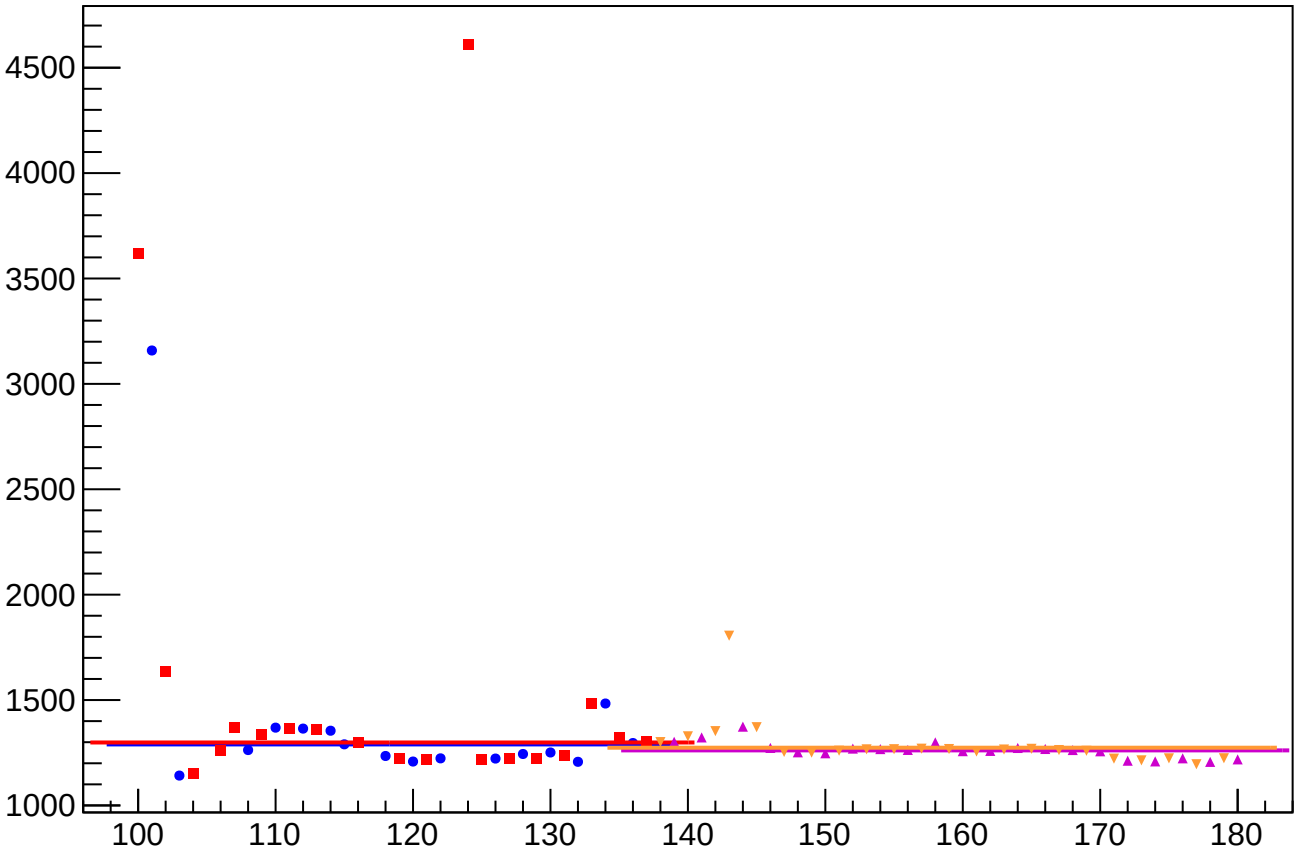
Left: 4.771+/-215.357 χ^2/NDF: 60.5/42

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -572.167+/-257.979 χ^2/NDF:27.0/36

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -94.286+/-182.718 χ^2/NDF: 91.7/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

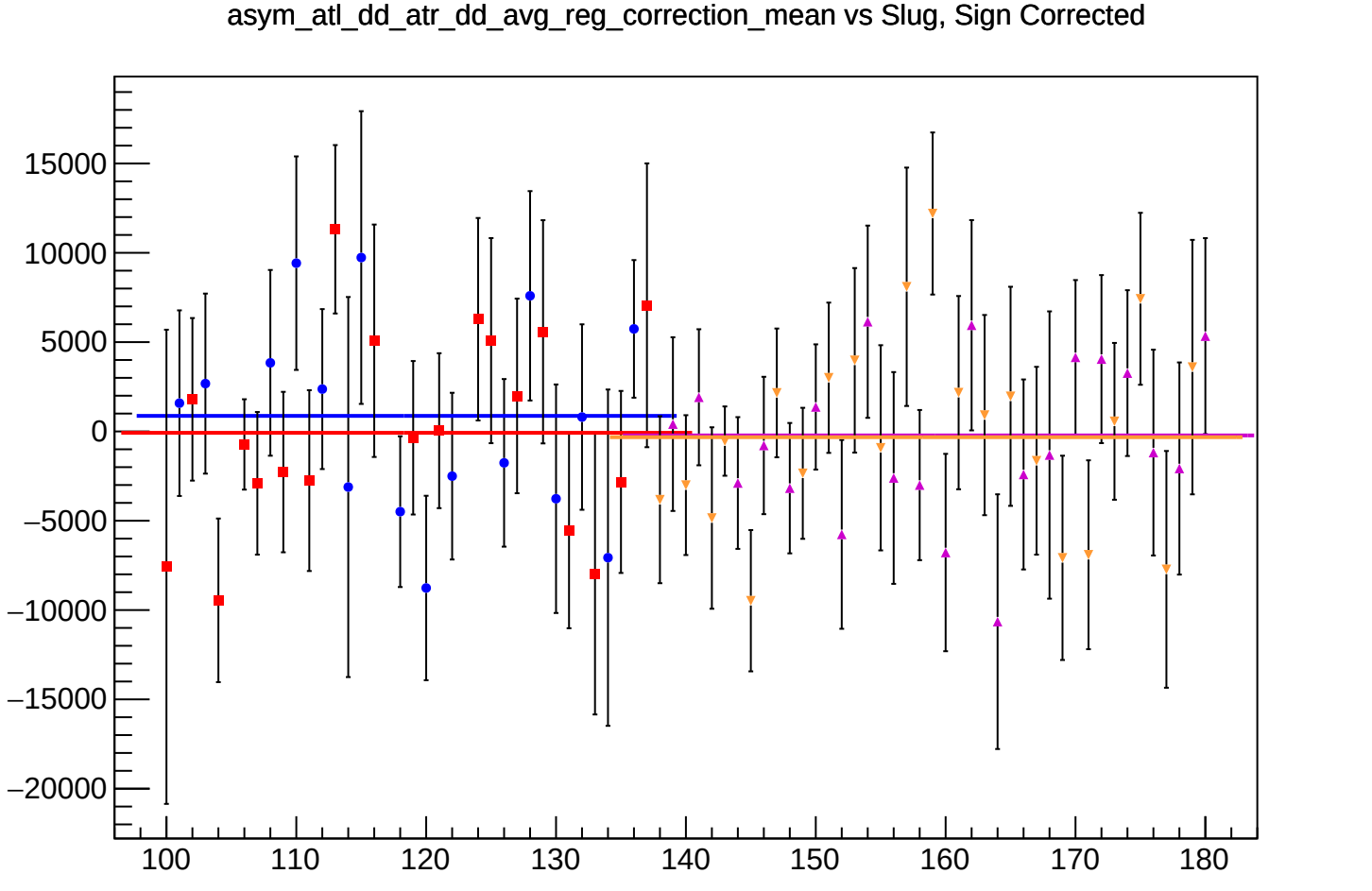
Left: 1267.470+/-0.152 χ^2/NDF: 211615.3/42

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1269.059+/-0.182 χ^2/NDF:551922.0/36

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -223.001+/-1035.187 χ^2/NDF:13.2/20

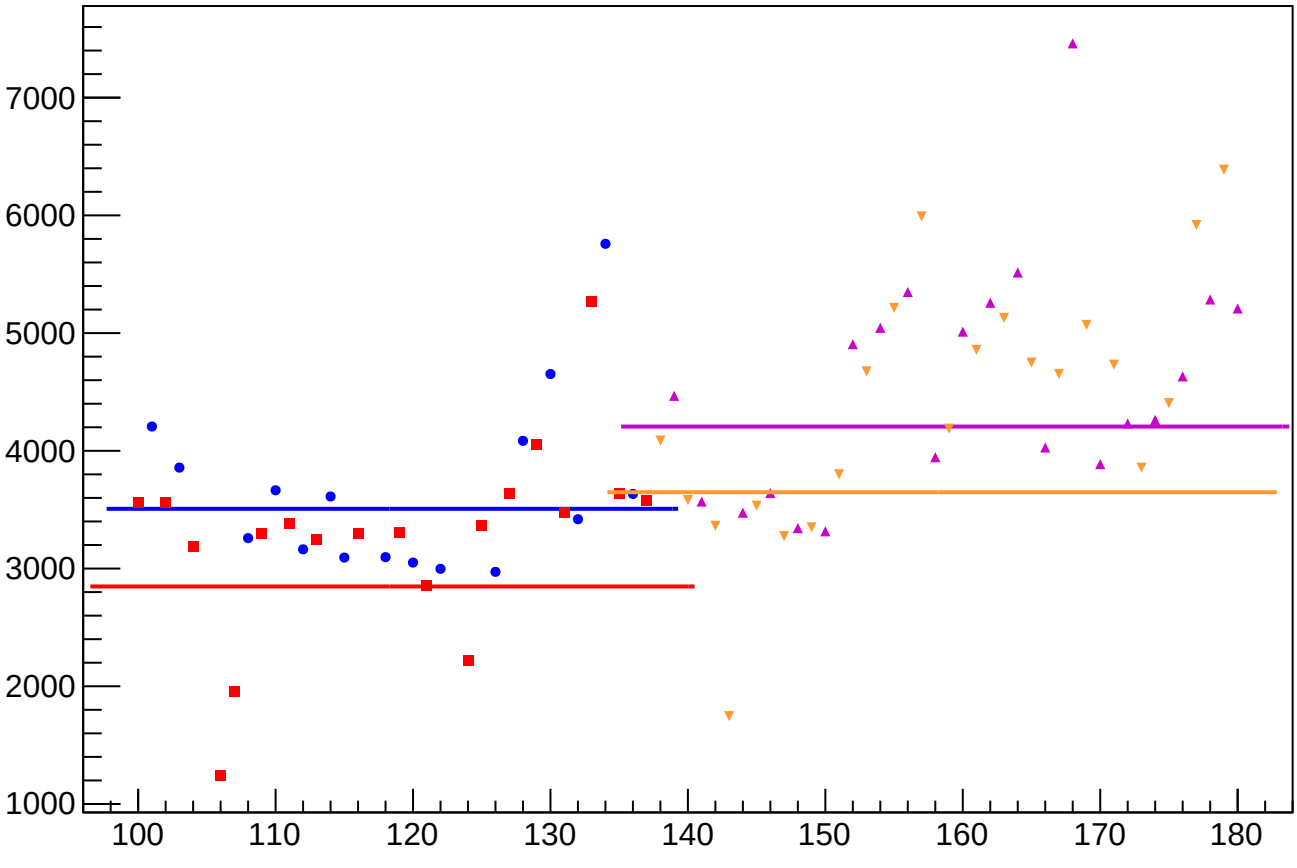
Left: -277.774+/-691.365 χ^2/NDF: 39.3/42

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 191.285+/-815.808 χ^2/NDF:27.7/36

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -42.708+/-536.710 χ^2/NDF: 72.3/77



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

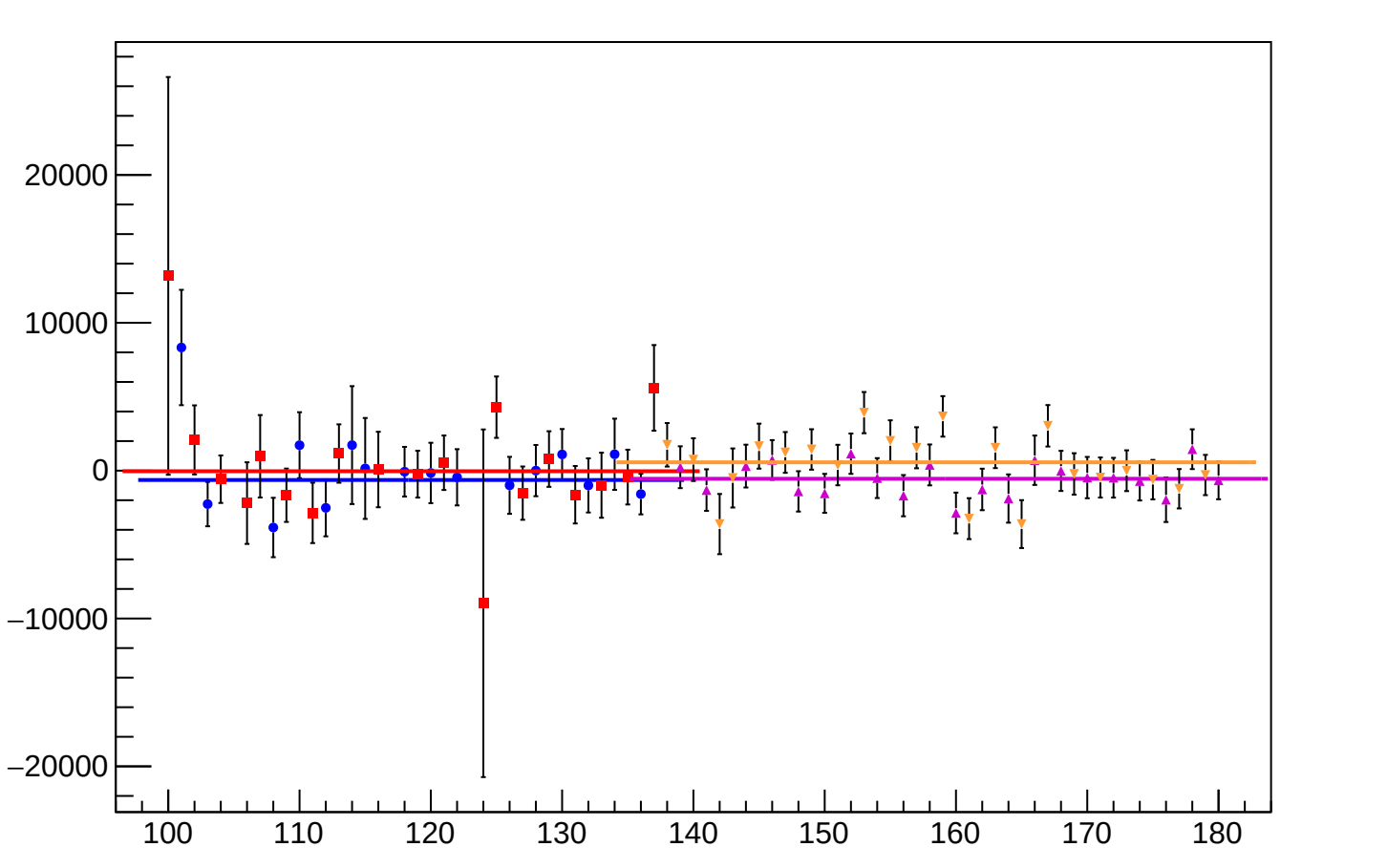
Left: 3896.998+/-0.489 χ^2/NDF: 5229296.8/42

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3941.385+/-0.577 χ^2/NDF:1947931.3/36

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -549.318+/-303.758 χ^2/NDF:13.1/20

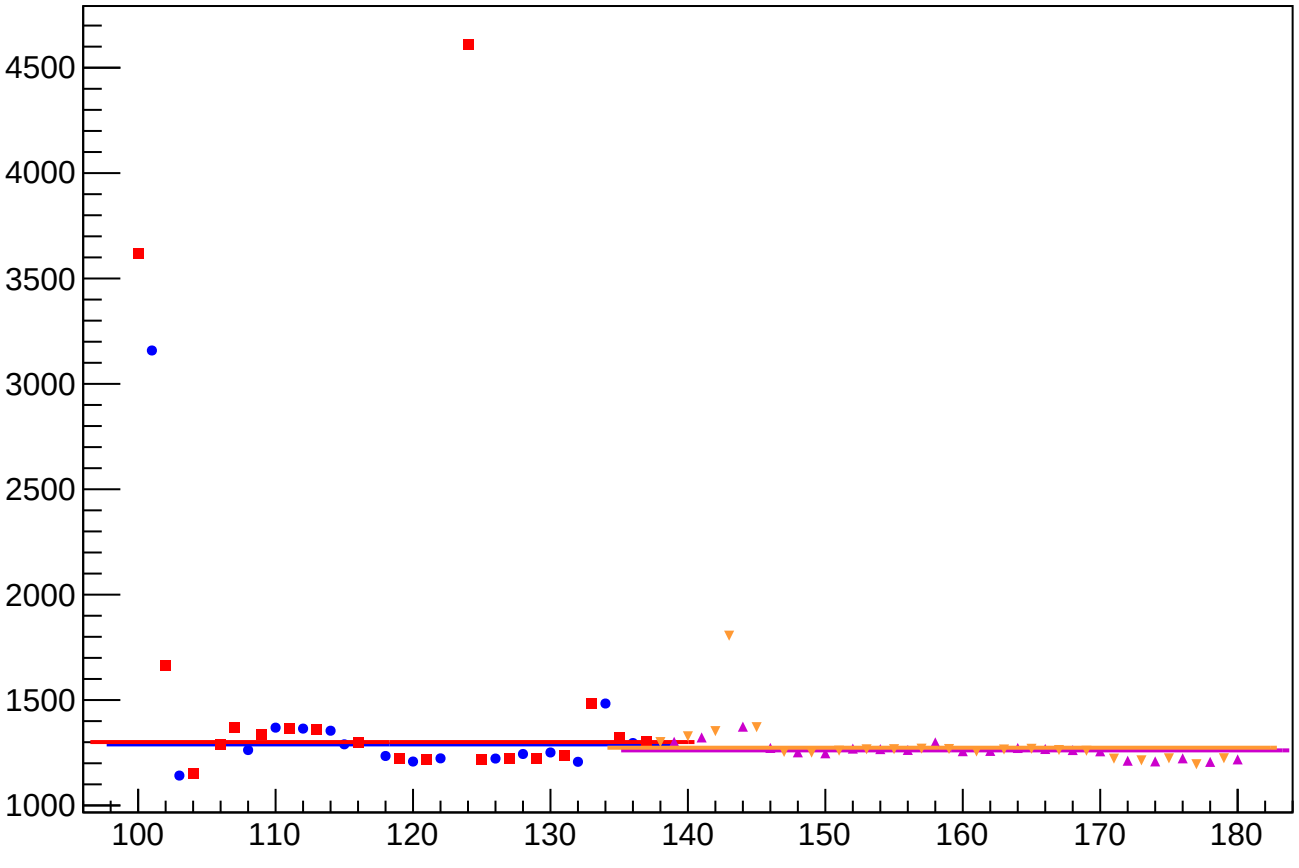
Left: 4.830+/-215.357 χ^2/NDF: 60.5/42

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -572.202+/-257.979 χ^2/NDF:27.0/36

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -90.234+/-182.735 χ^2/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

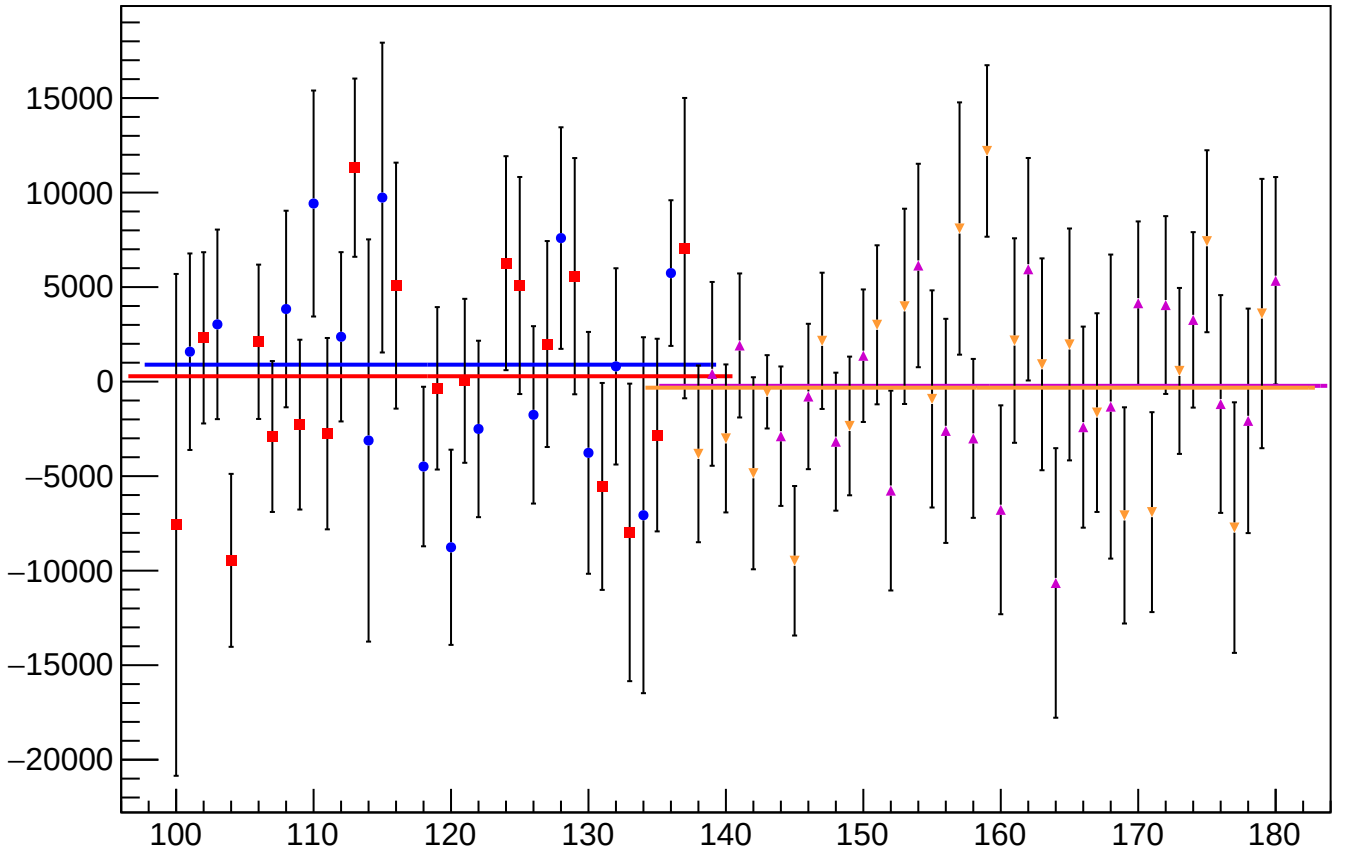
Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -222.990+/-1035.185 χ^2/NDF:13.2/20

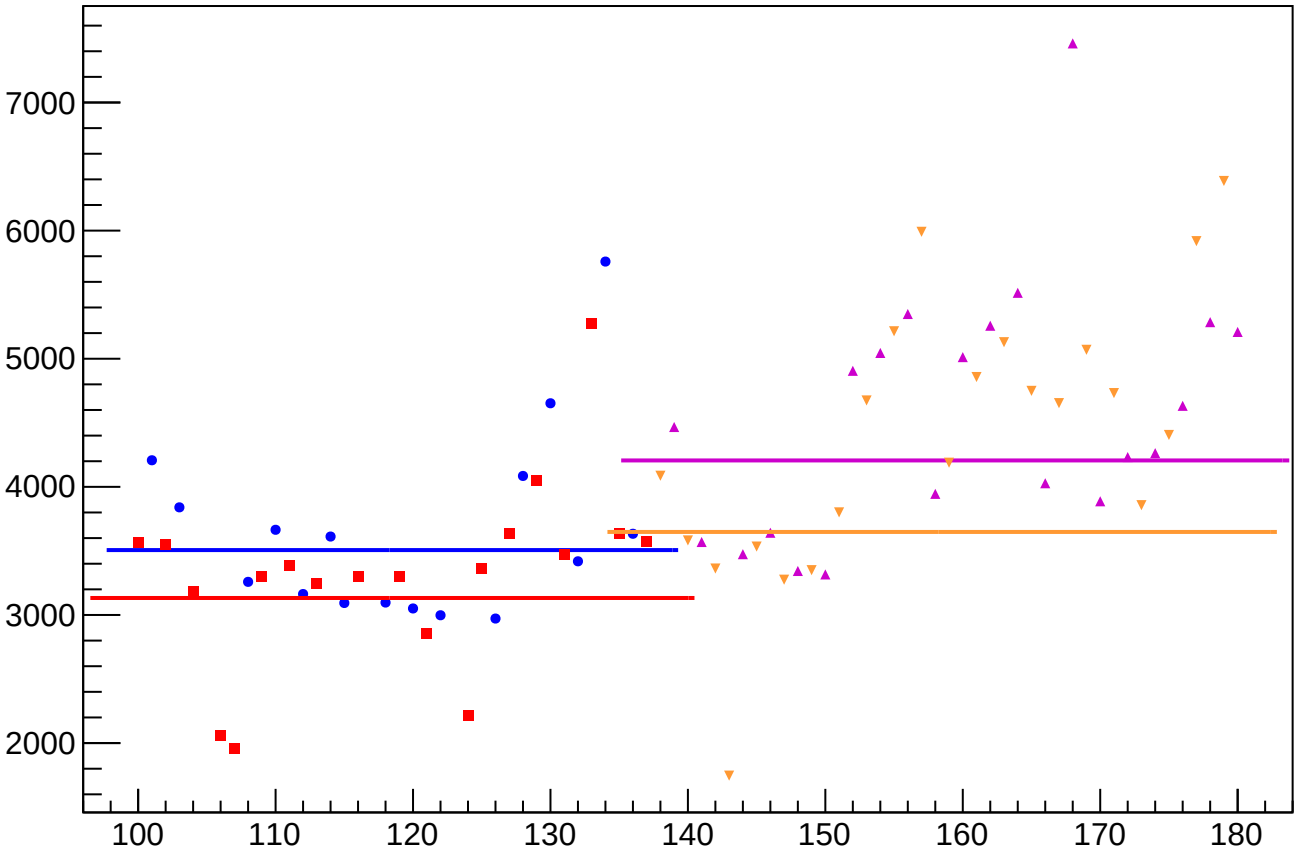
Left: -277.733+/-691.364 χ^2/NDF: 39.3/42

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 201.218+/-815.701 χ^2/NDF:27.8/36

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: 39.186+/-544.233 χ^2/NDF: 72.7/77



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

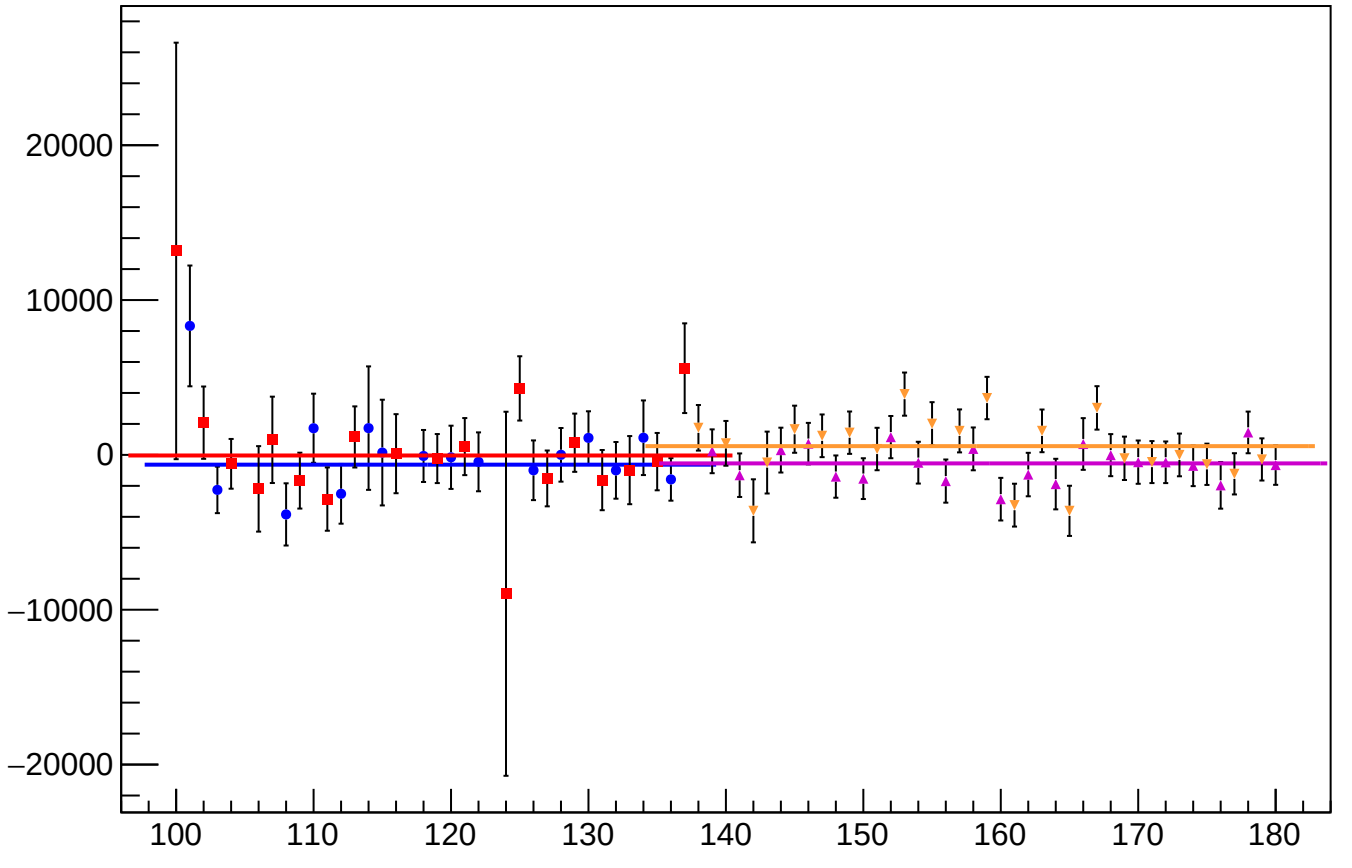
Left: 3896.991+/-0.489 χ^2/NDF: 5229336.3/42

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3940.923+/-0.577 χ^2/NDF:1948233.7/36

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -549.318+/-303.758 χ^2/NDF:13.1/20

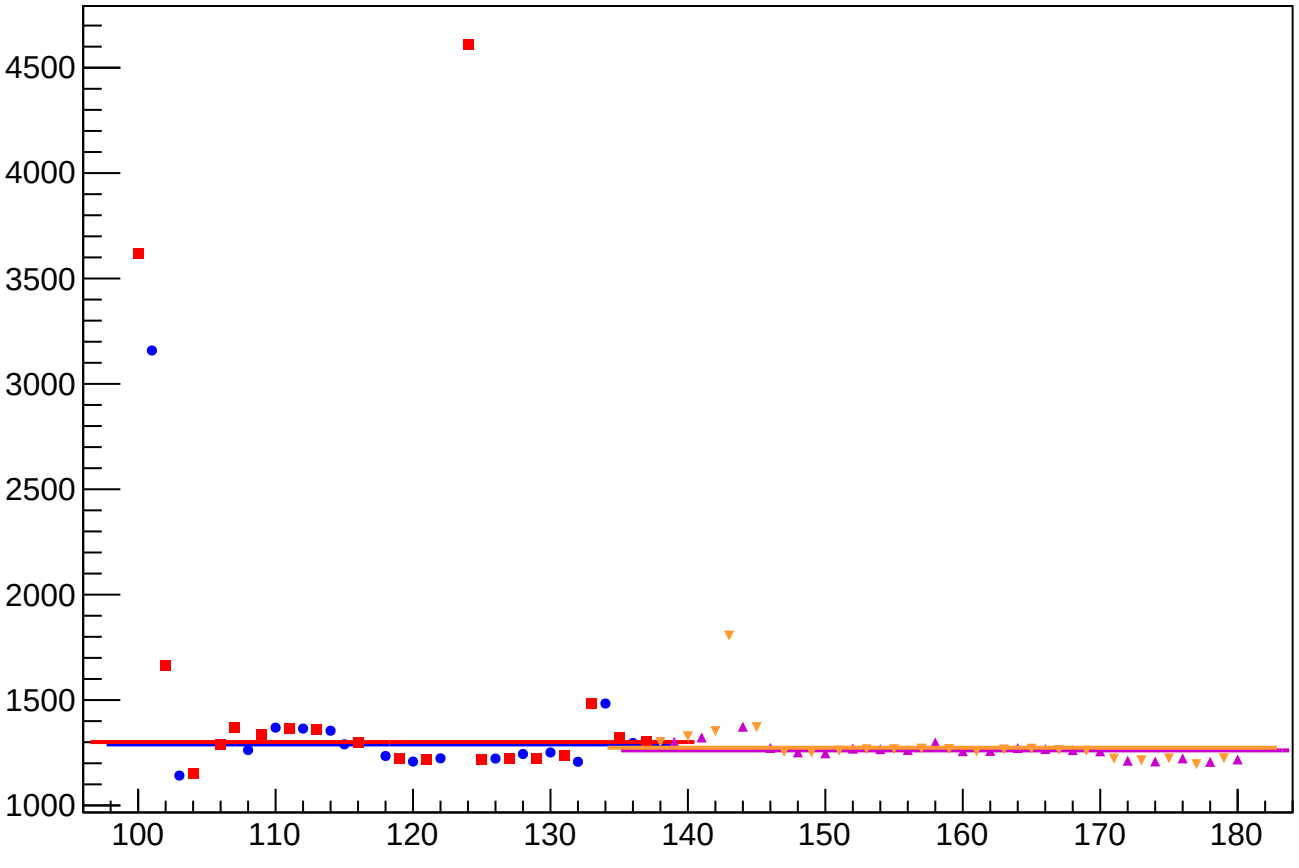
Left: 4.830+/-215.357 χ^2/NDF: 60.5/42

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -572.202+/-257.979 χ^2/NDF:27.0/36

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -90.234+/-182.735 χ^2/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

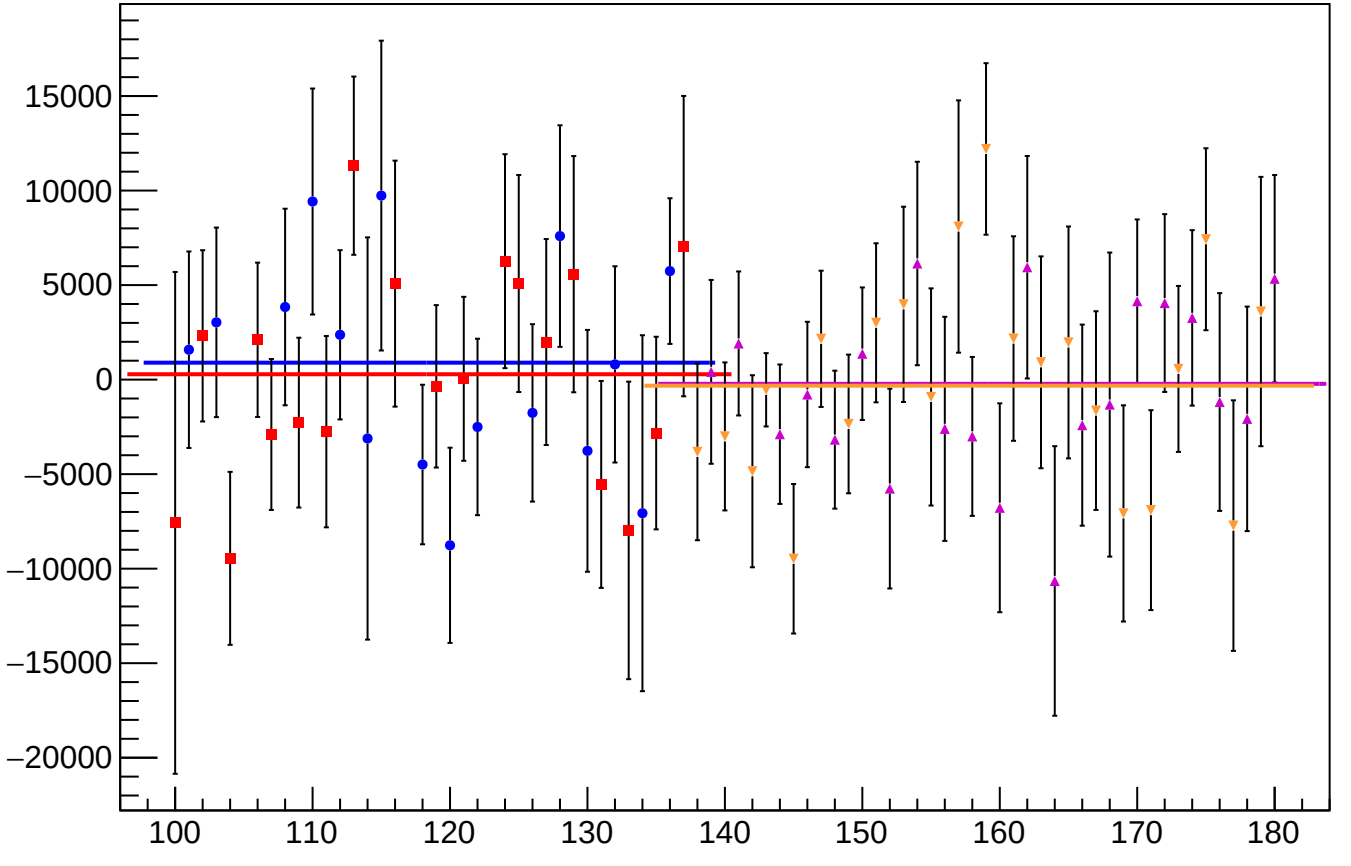
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

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: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -222.990+/-1035.185 χ^2/NDF:13.2/20

Left: -277.733+/-691.364 χ^2/NDF: 39.3/42

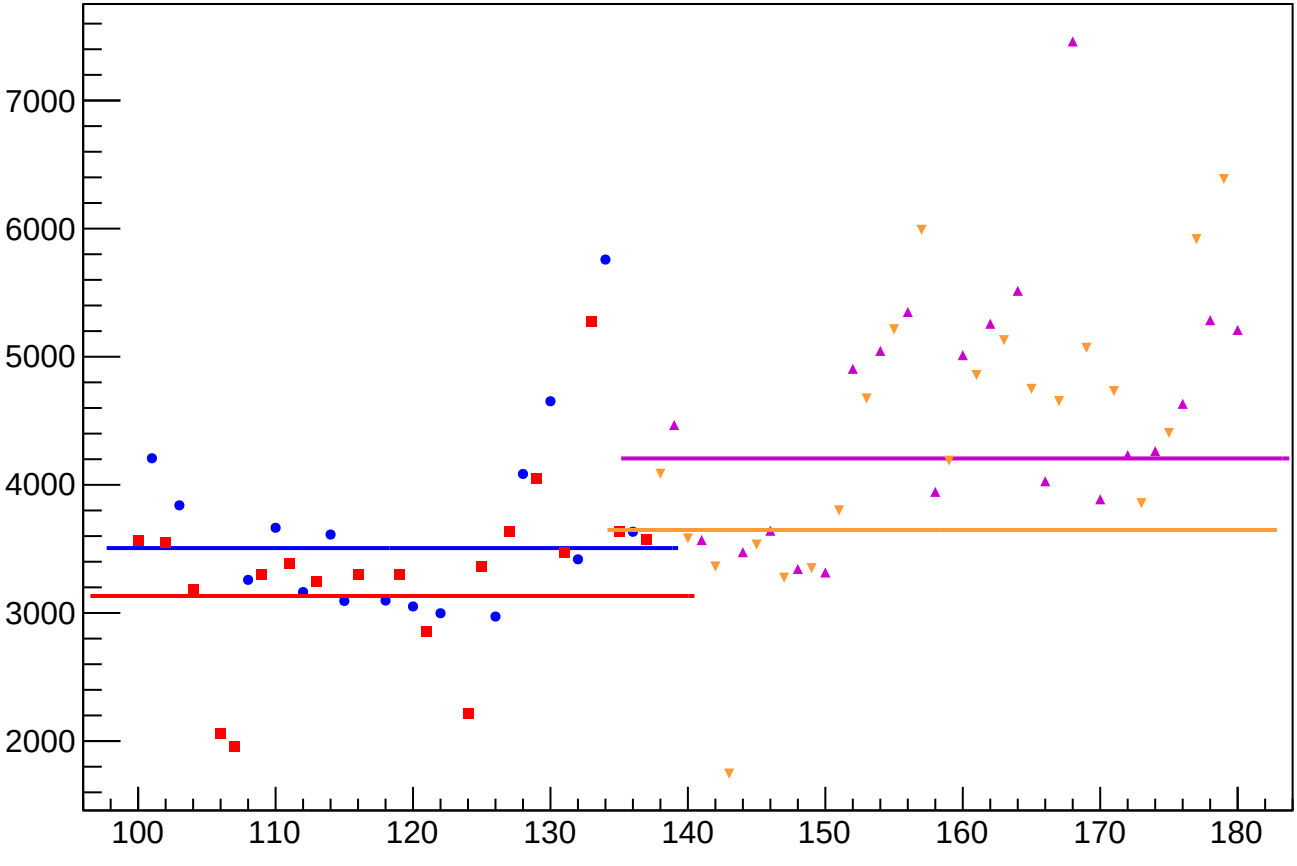
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 201.218+/-815.701 χ^2/NDF:27.8/36

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: 39.186+/-544.233 χ^2/NDF: 72.7/77

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

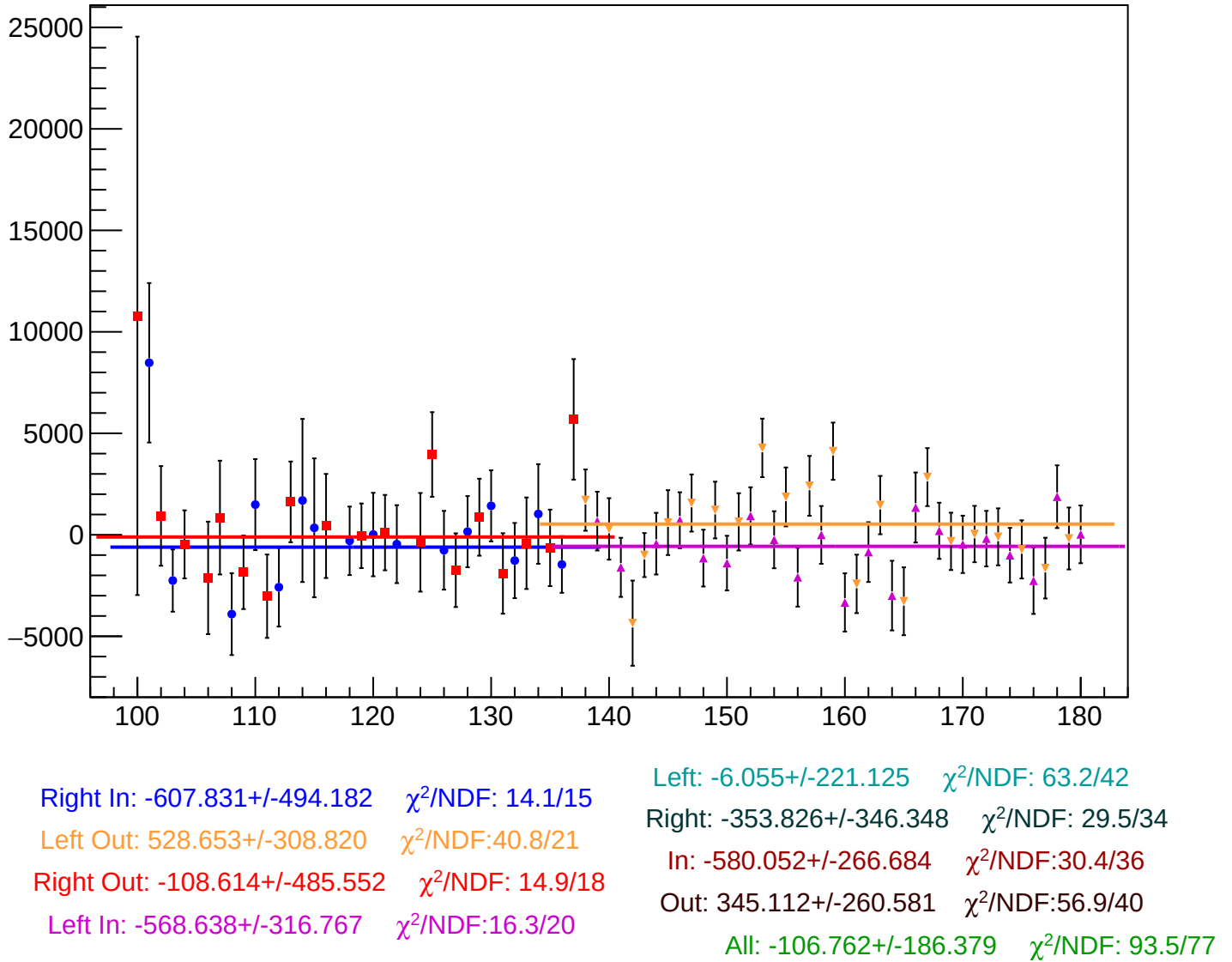
Left: 3896.991+/-0.489 χ^2/NDF: 5229336.3/42

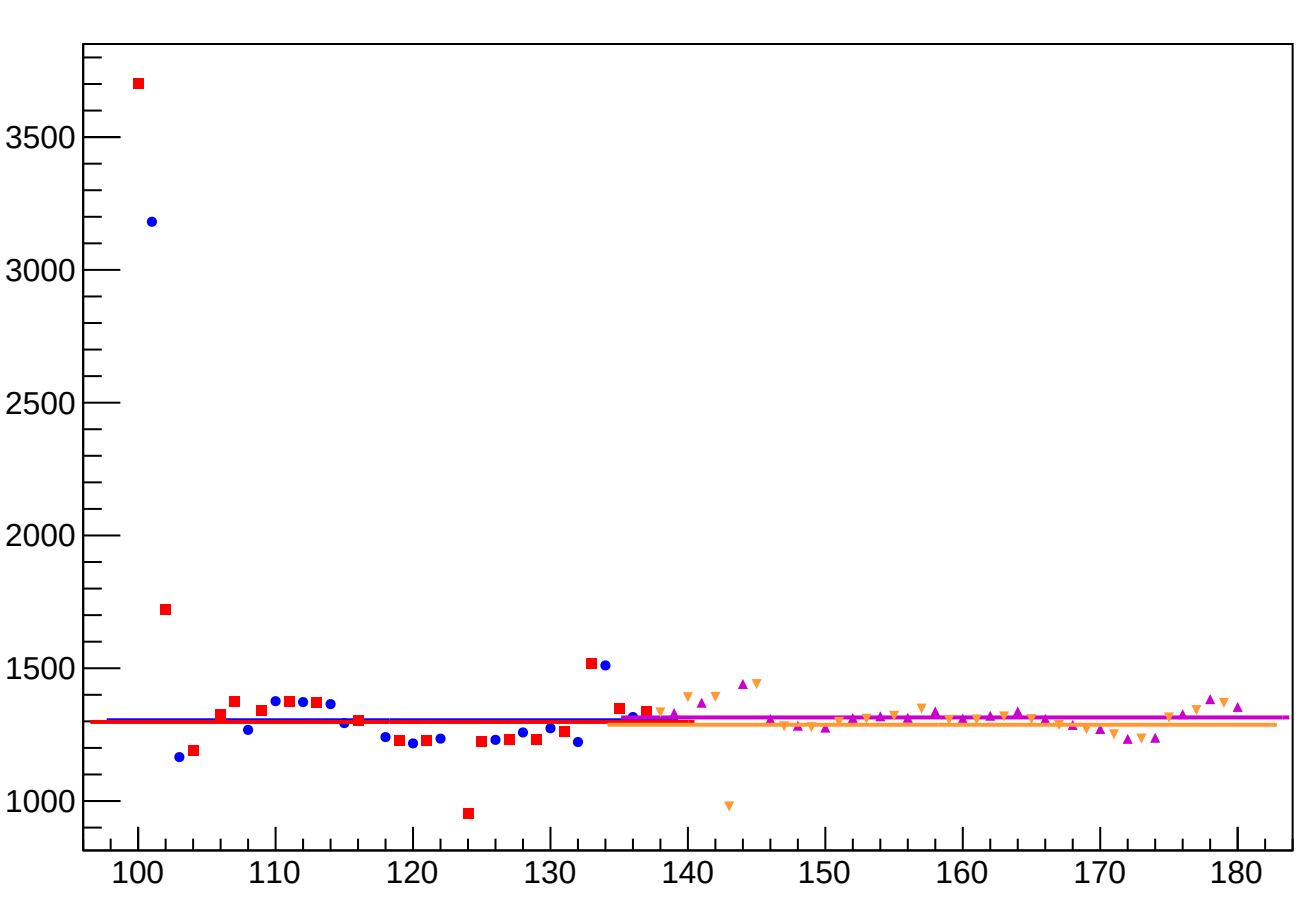
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3940.923+/-0.577 χ^2/NDF:1948233.7/36

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77


dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -607.831+/-494.182 χ²/NDF: 14.1/15
Left Out: 528.653+/-308.820 χ²/NDF:40.8/21
Right Out: -108.614+/-485.552 χ²/NDF: 14.9/18
Left In: -568.638+/-316.767 χ²/NDF:16.3/20
Left: -6.055+/-221.125 χ²/NDF: 63.2/42
Right: -353.826+/-346.348 χ²/NDF: 29.5/34
In: -580.052+/-266.684 χ²/NDF:30.4/36
Out: 345.112+/-260.581 χ²/NDF:56.9/40
All: -106.762+/-186.379 χ²/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

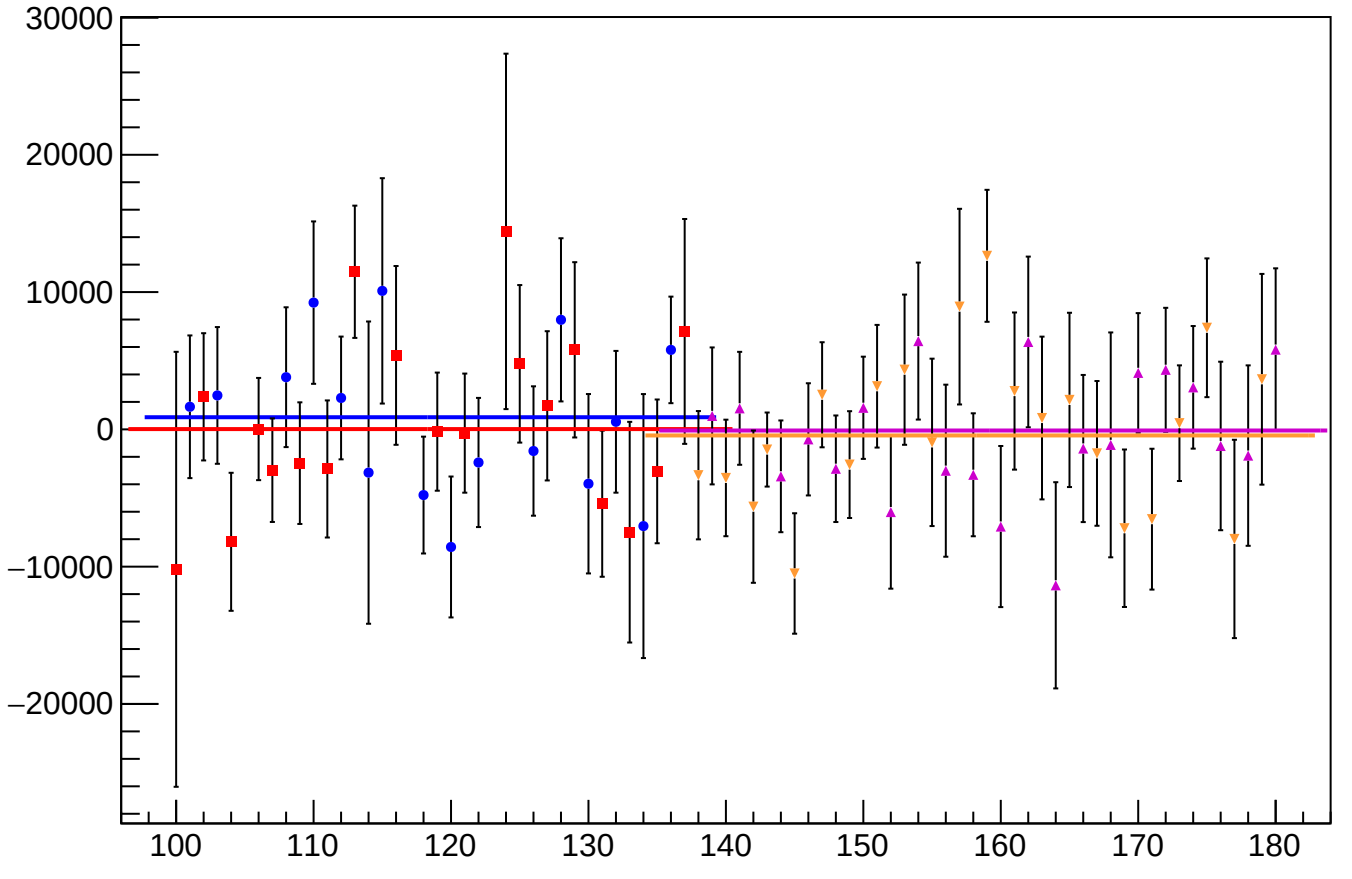
Left: 1300.622+/-0.156 χ^2/NDF: 266835.6/42

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.627+/-0.189 χ^2/NDF:553544.1/36

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.423 χ^2/NDF:13.1/20

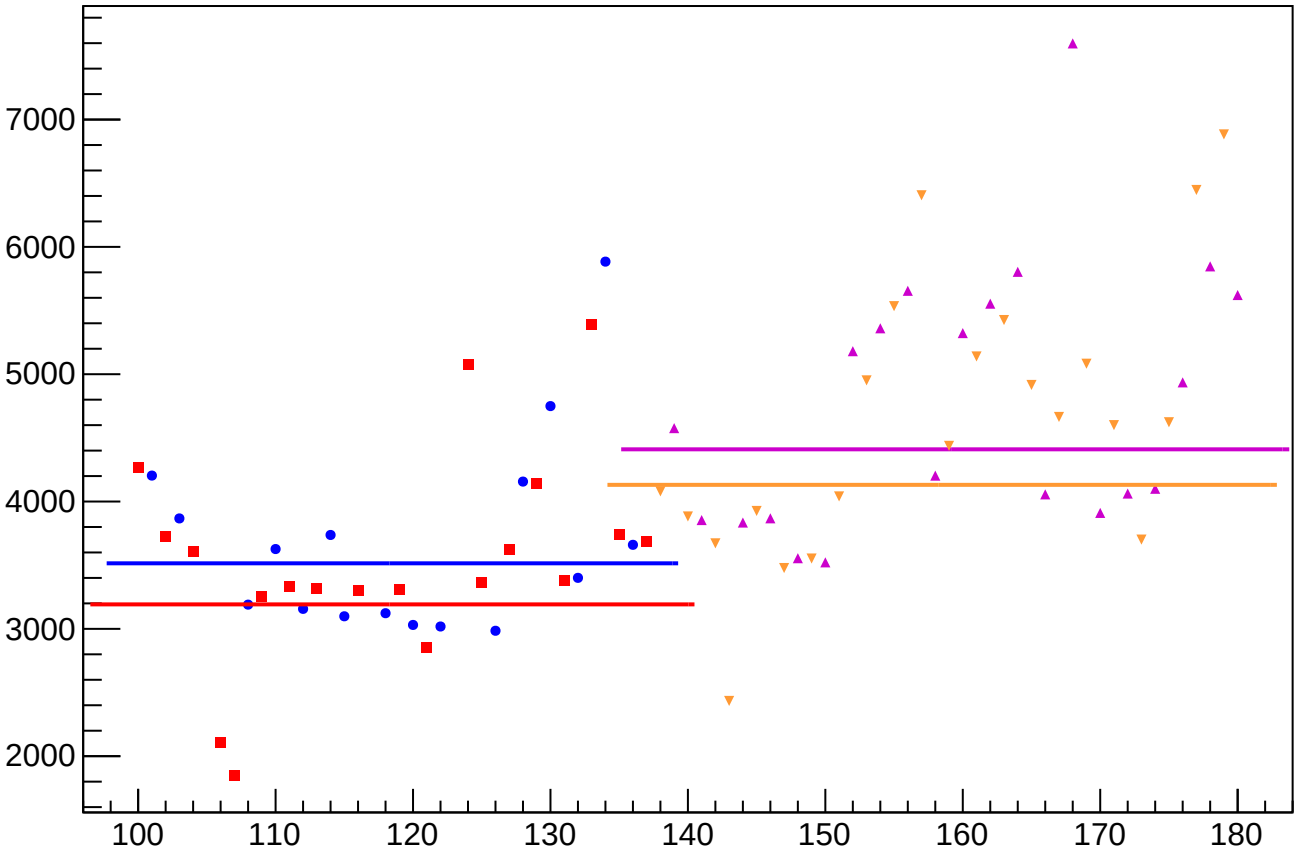
Left: -272.986+/-745.431 χ^2/NDF: 39.0/42

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 304.973+/-840.267 χ^2/NDF:27.5/36

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: 8.109+/-571.512 χ^2/NDF: 70.5/77



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

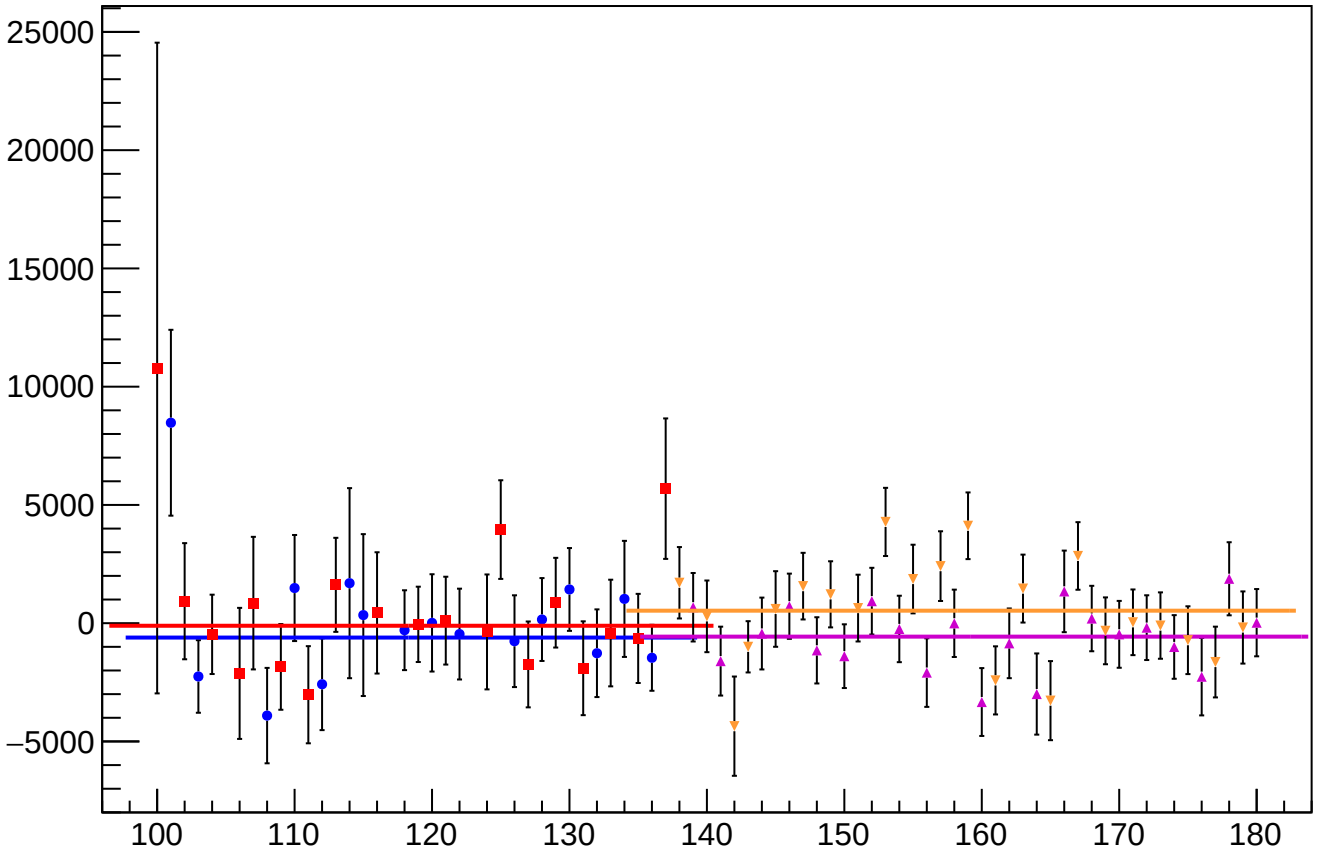
Left: 4262.626+/-0.527 χ^2/NDF: 3375597.3/42

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.273+/-0.594 χ^2/NDF:2160245.0/36

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -568.639+/-316.768 χ^2/NDF:16.3/20

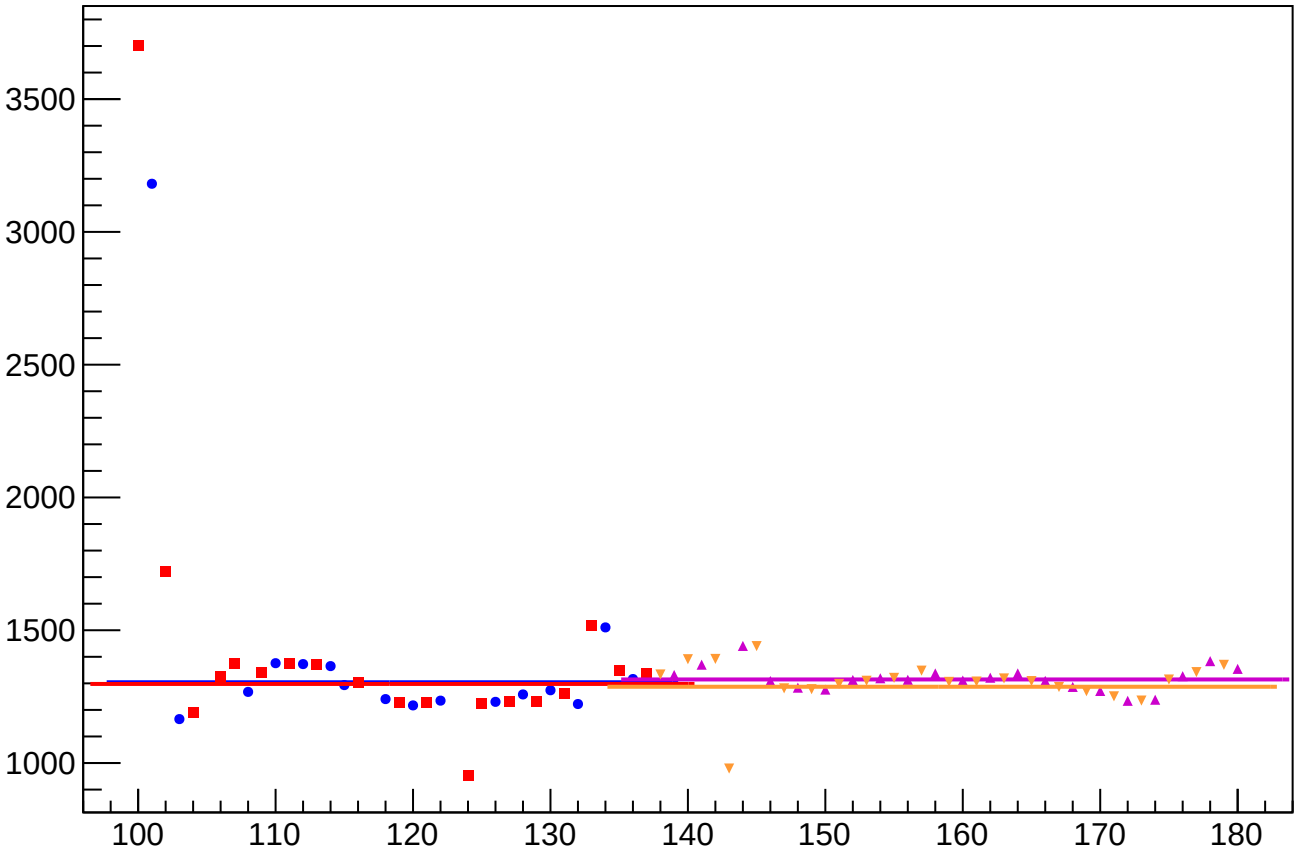
Left: -6.054+/-221.125 χ^2/NDF: 63.2/42

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -580.053+/-266.684 χ^2/NDF:30.4/36

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -106.763+/-186.379 χ^2/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

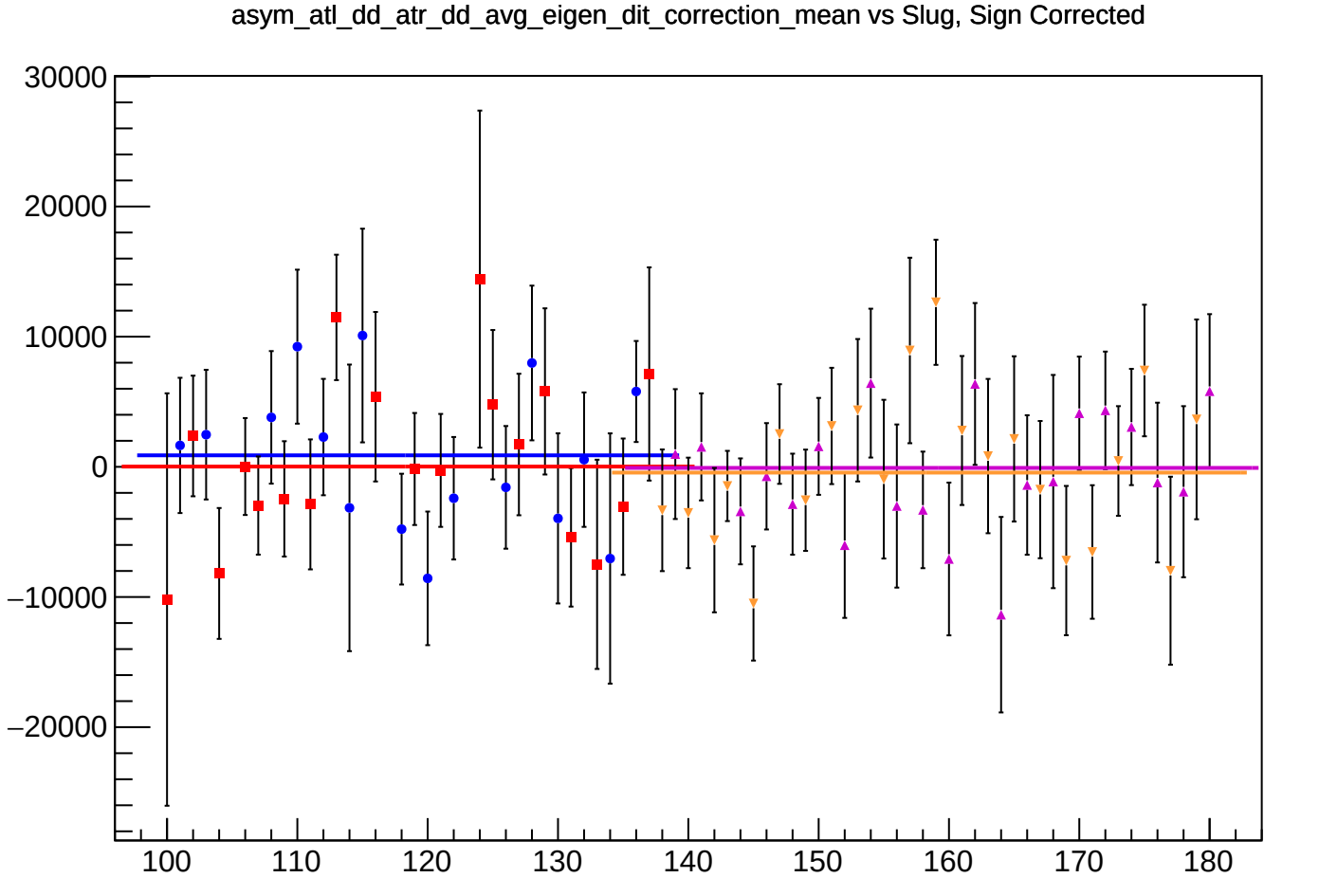
Left: 1300.623+/-0.156 χ^2/NDF: 266840.4/42

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.628+/-0.189 χ^2/NDF:553546.6/36

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.424 χ^2/NDF:13.1/20

Left: -272.984+/-745.432 χ^2/NDF: 39.0/42

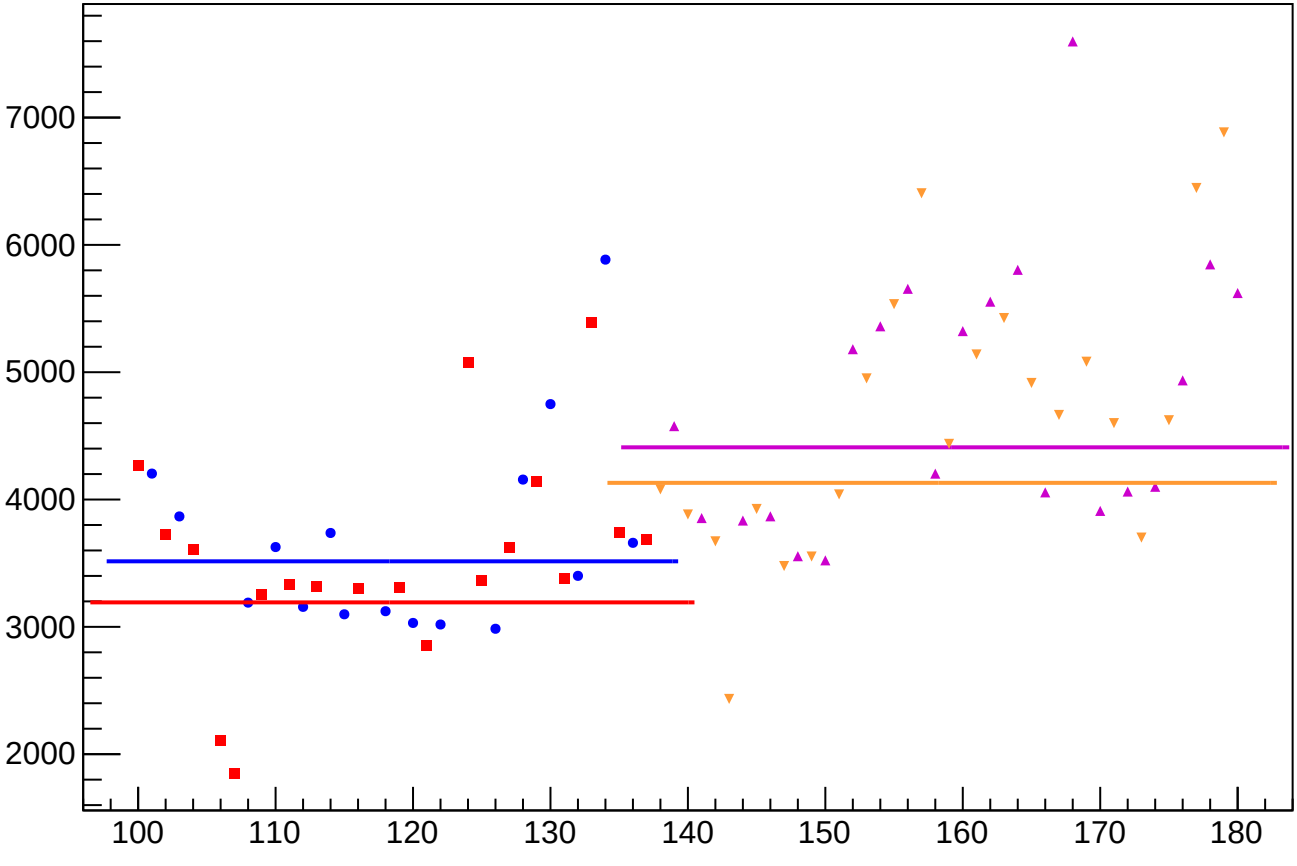
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 304.971+/-840.267 χ^2/NDF:27.5/36

Out: -247.447+/-779.617 χ^2/NDF:42.8/40

All: 8.108+/-571.512 χ^2/NDF: 70.5/77

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

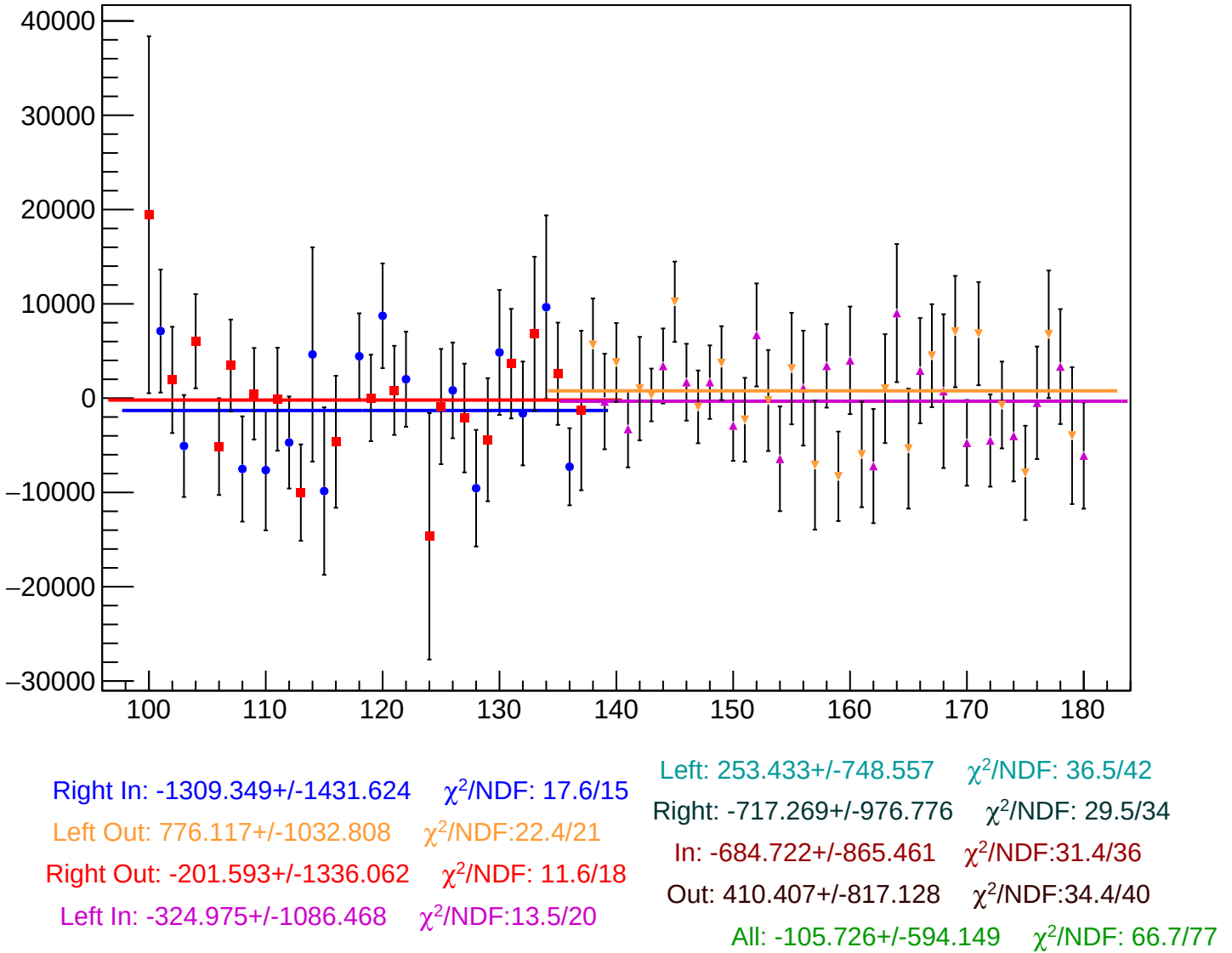
Left: 4262.633+/-0.527 χ^2/NDF: 3375604.3/42

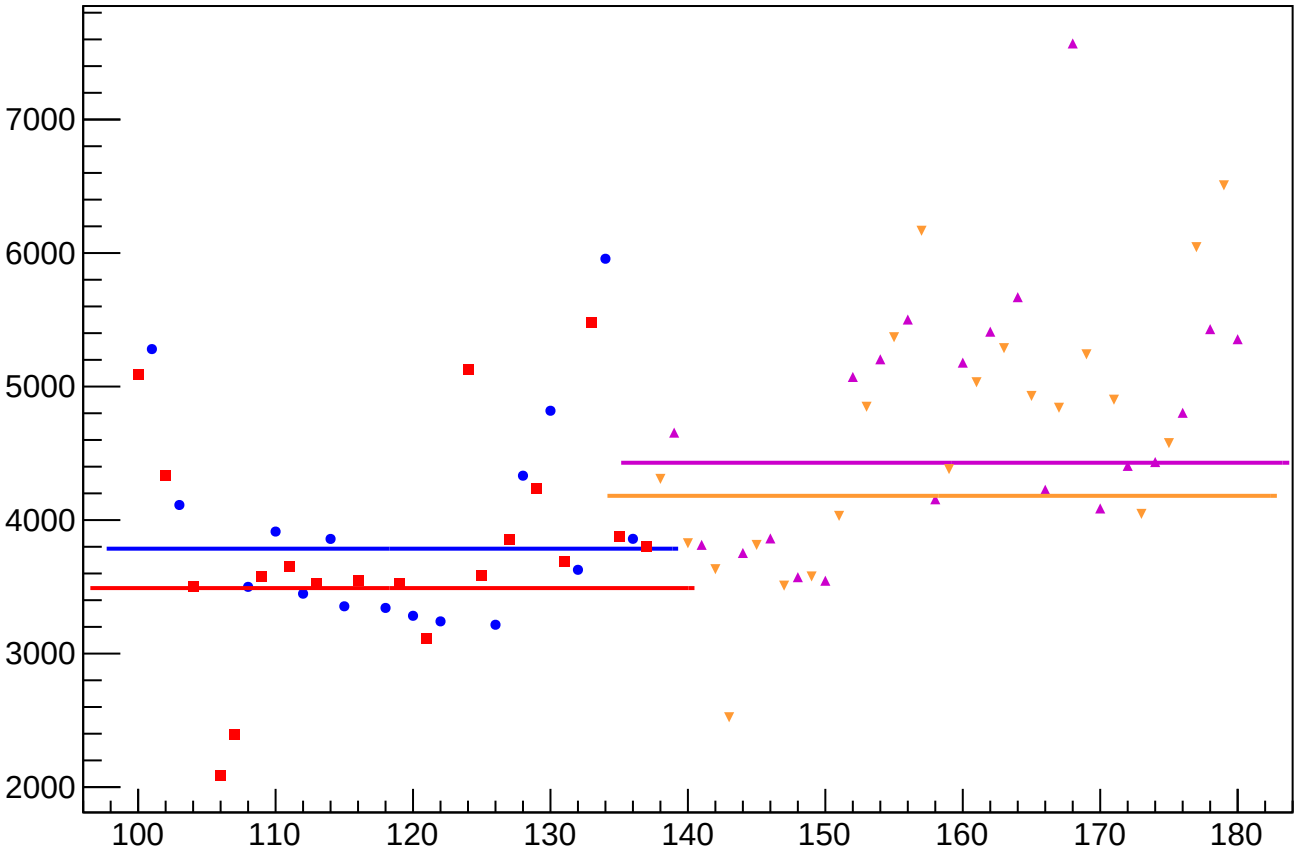
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.272+/-0.594 χ^2/NDF:2160273.6/36

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 776.117+/-1032.808 χ²/NDF:22.4/21
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -324.975+/-1086.468 χ²/NDF:13.5/20
Left: 253.433+/-748.557 χ²/NDF: 36.5/42
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -684.722+/-865.461 χ²/NDF:31.4/36
Out: 410.407+/-817.128 χ²/NDF:34.4/40
All: -105.726+/-594.149 χ²/NDF: 66.7/77



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

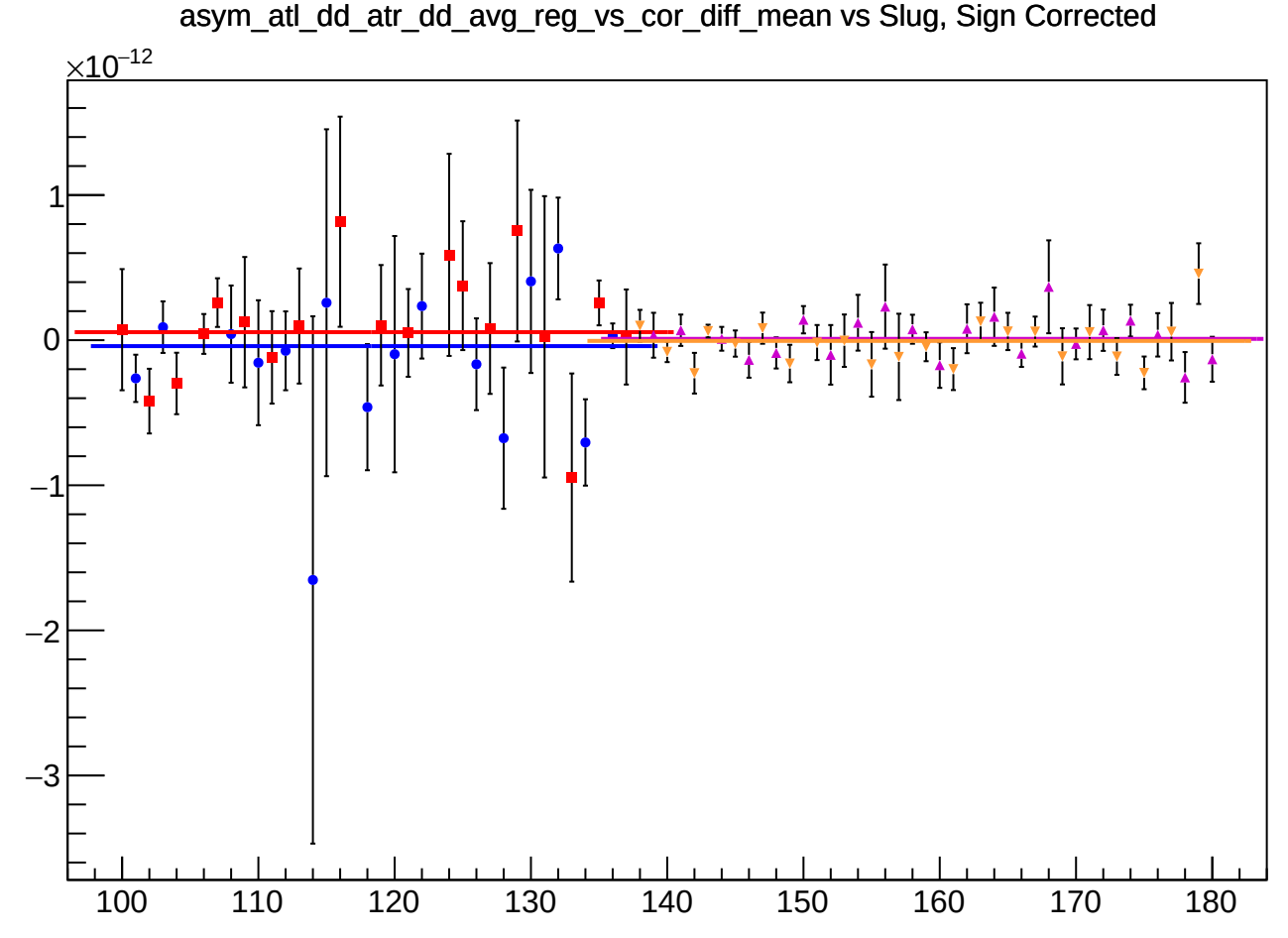
Left: 4299.214+/-0.529 χ^2/NDF: 2910990.3/42

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4194.150+/-0.612 χ^2/NDF:1700257.4/36

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/20

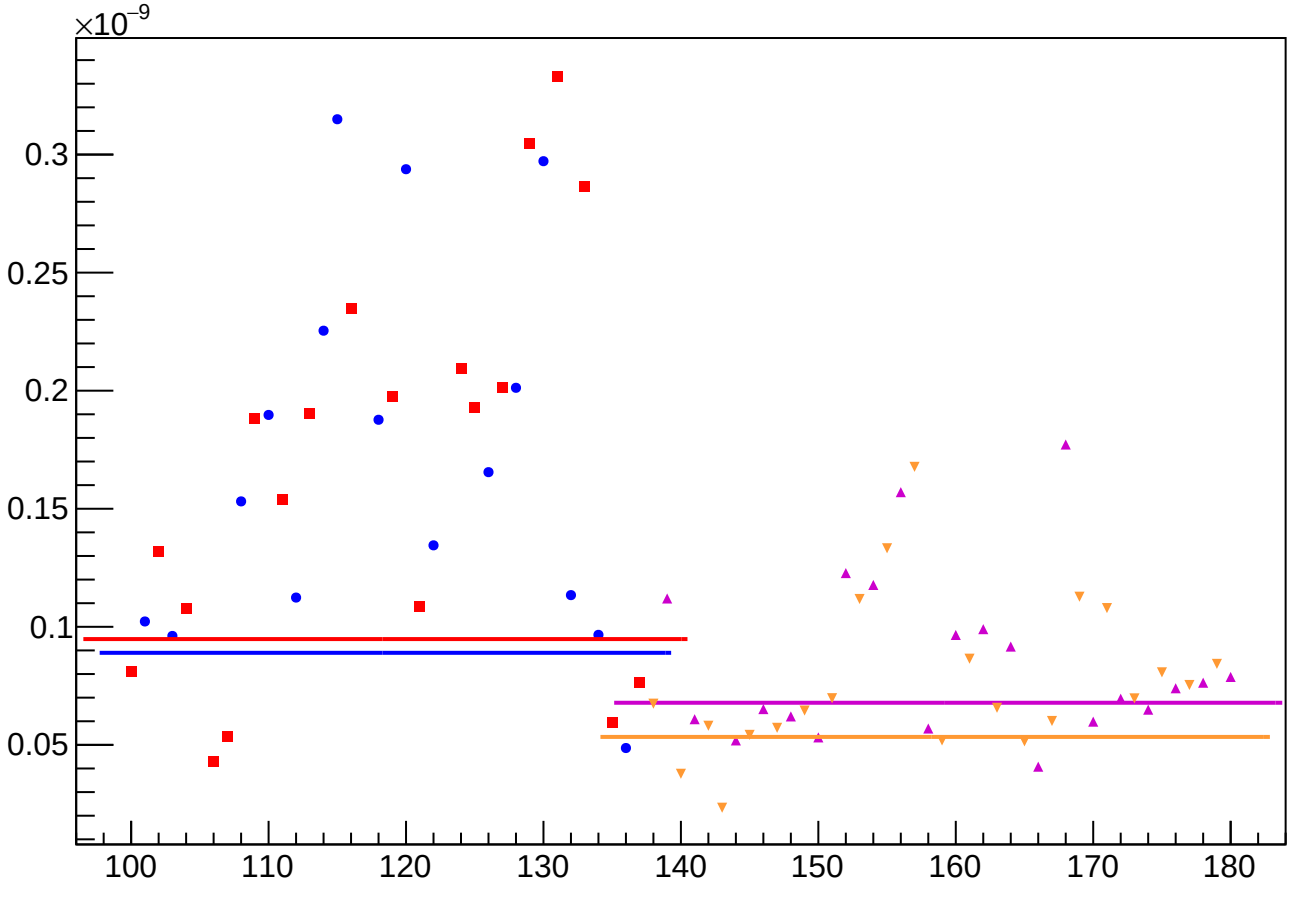
Left: 0.000+/-0.000 χ^2/NDF: 39.1/42

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:32.7/36

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

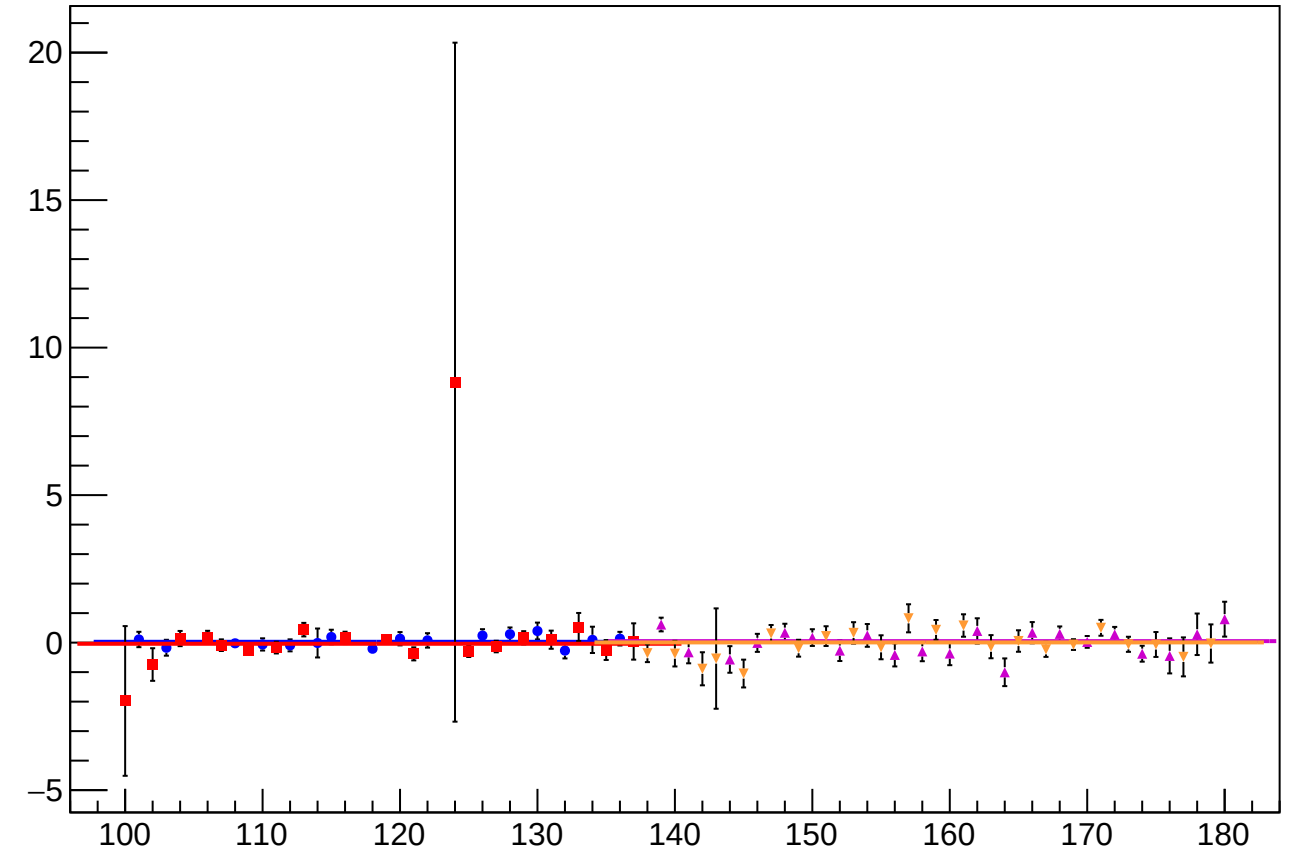
Left: 0.000+/-0.000 χ^2/NDF: 4304481.4/42

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3066247.0/36

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

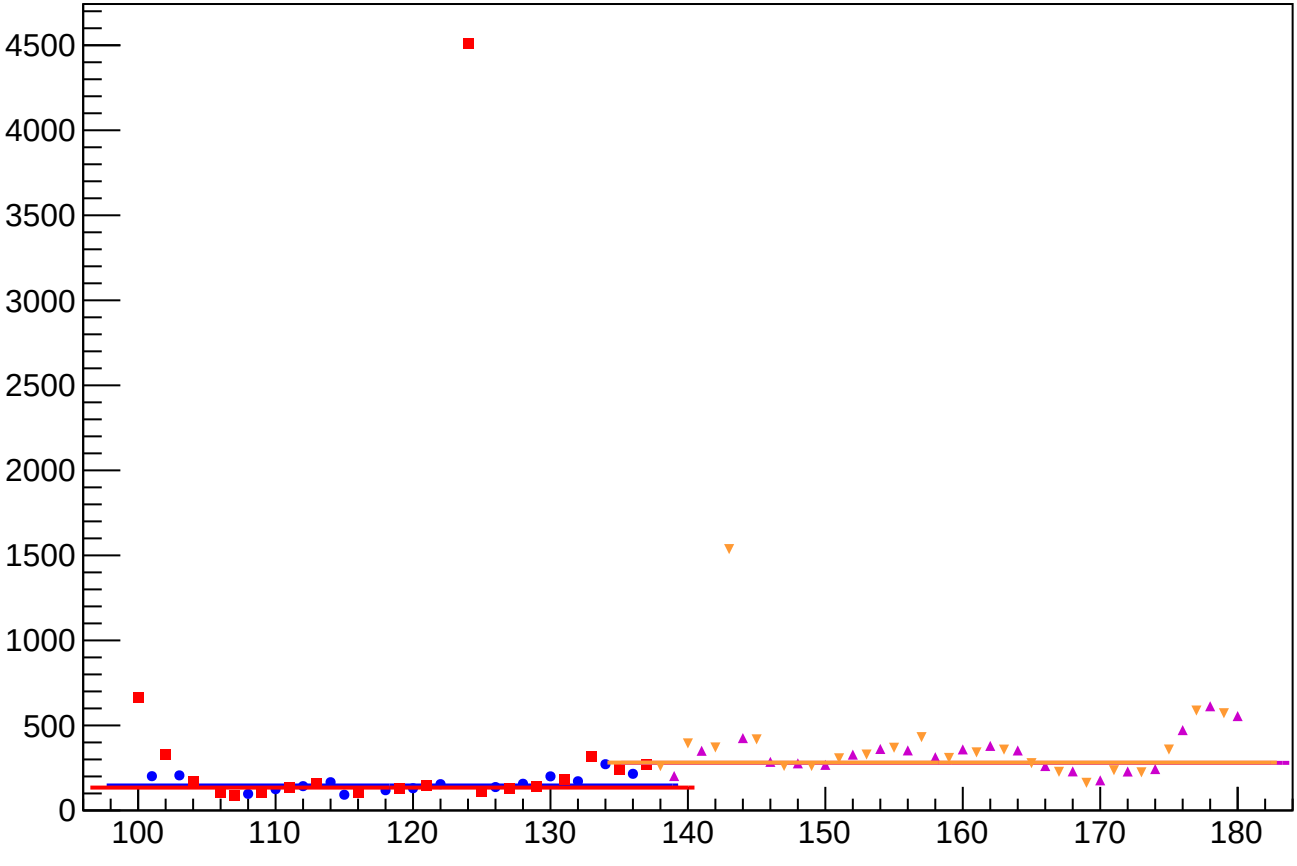
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

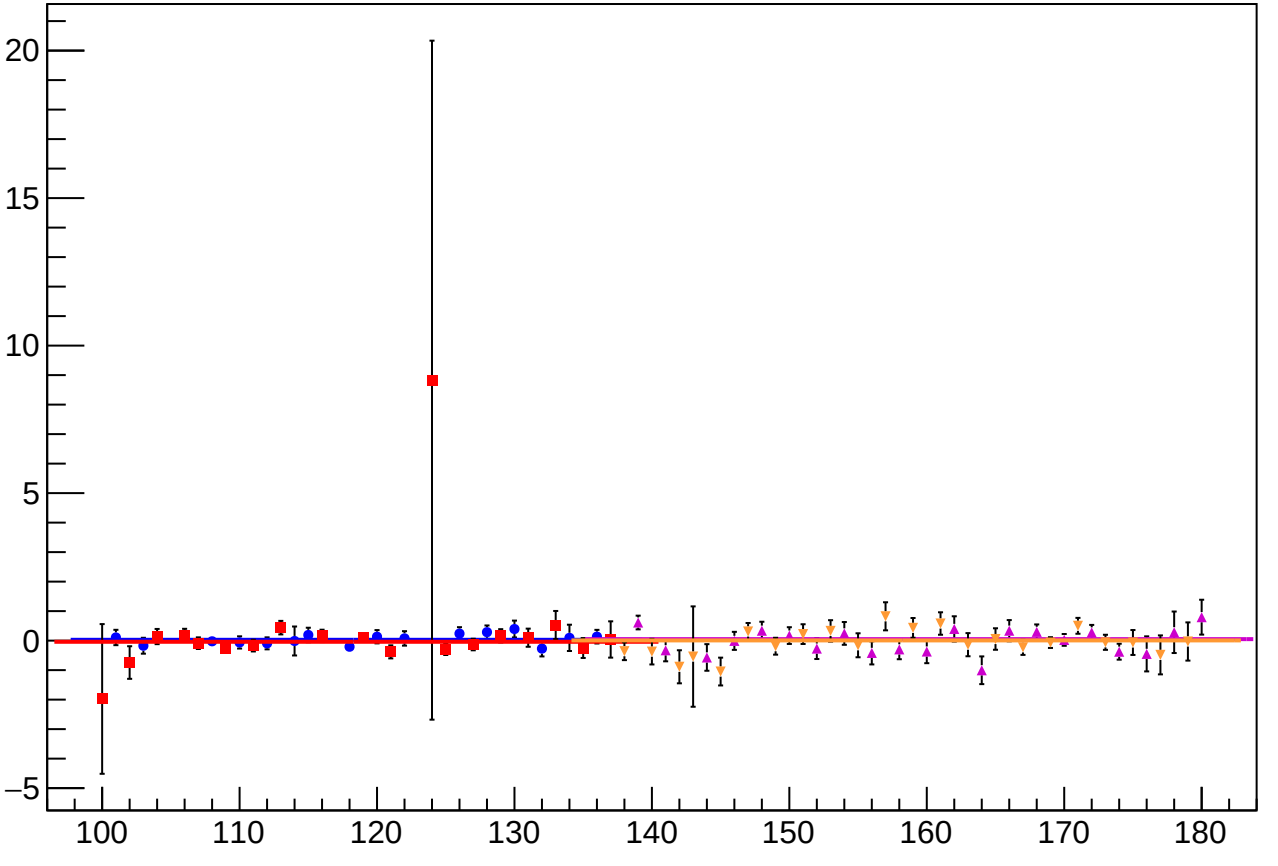
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

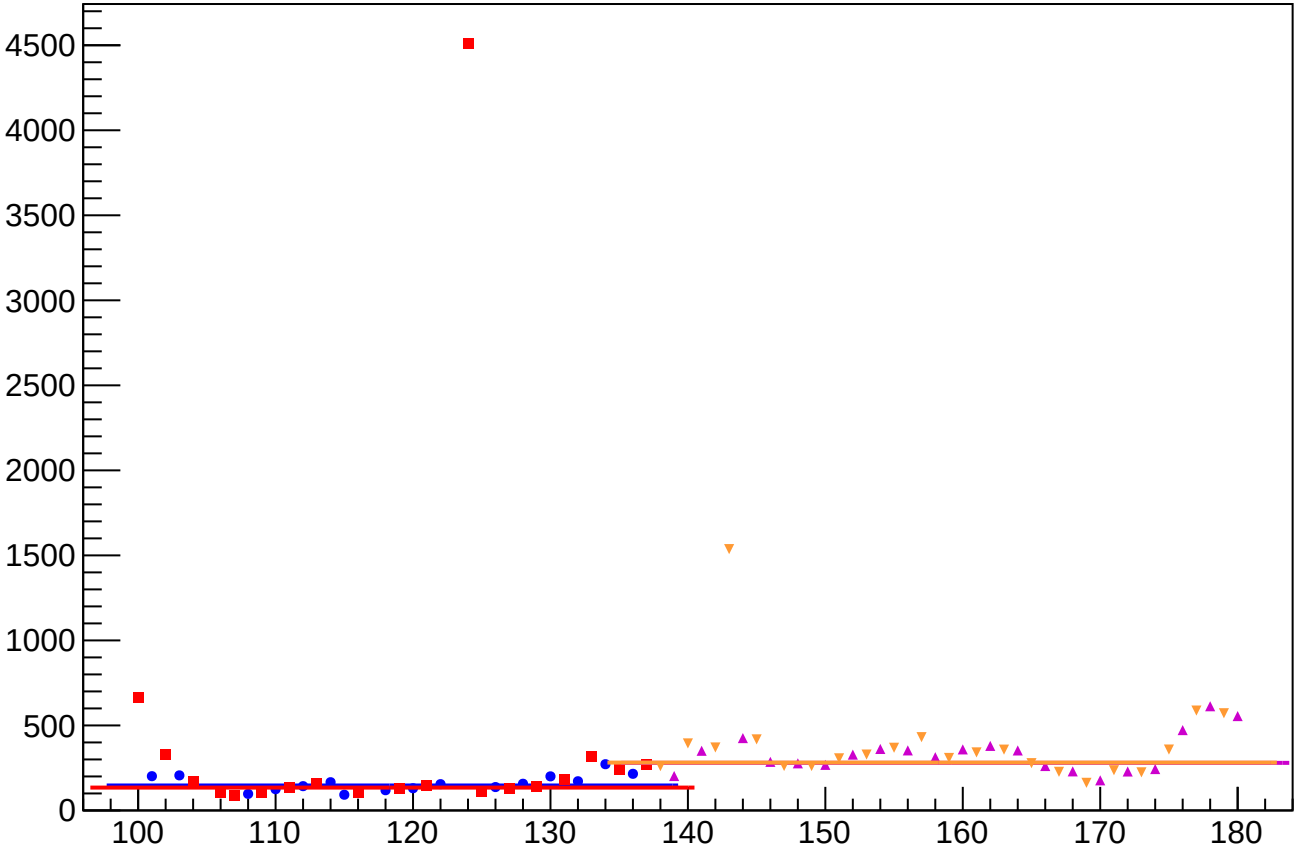
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

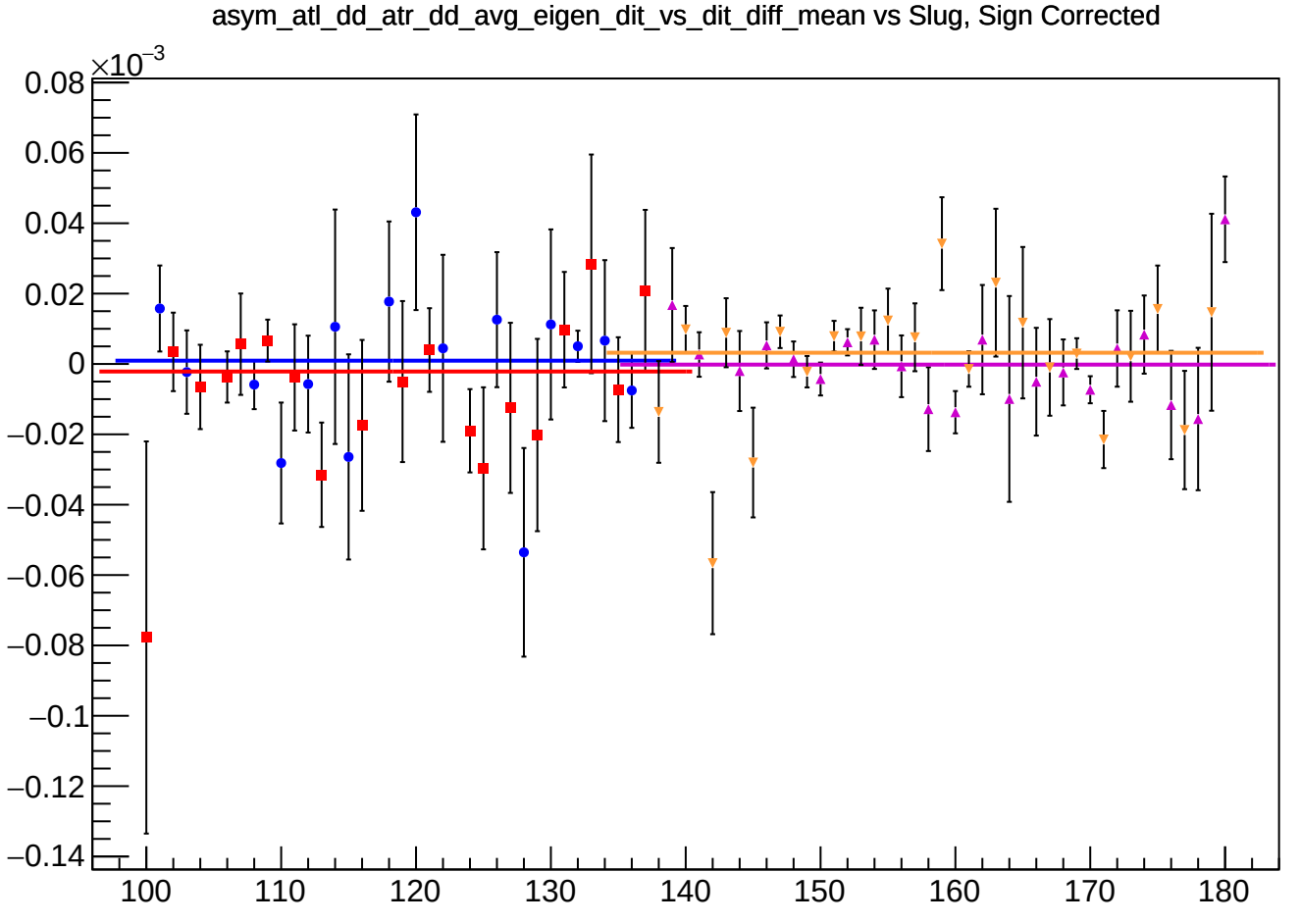
Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

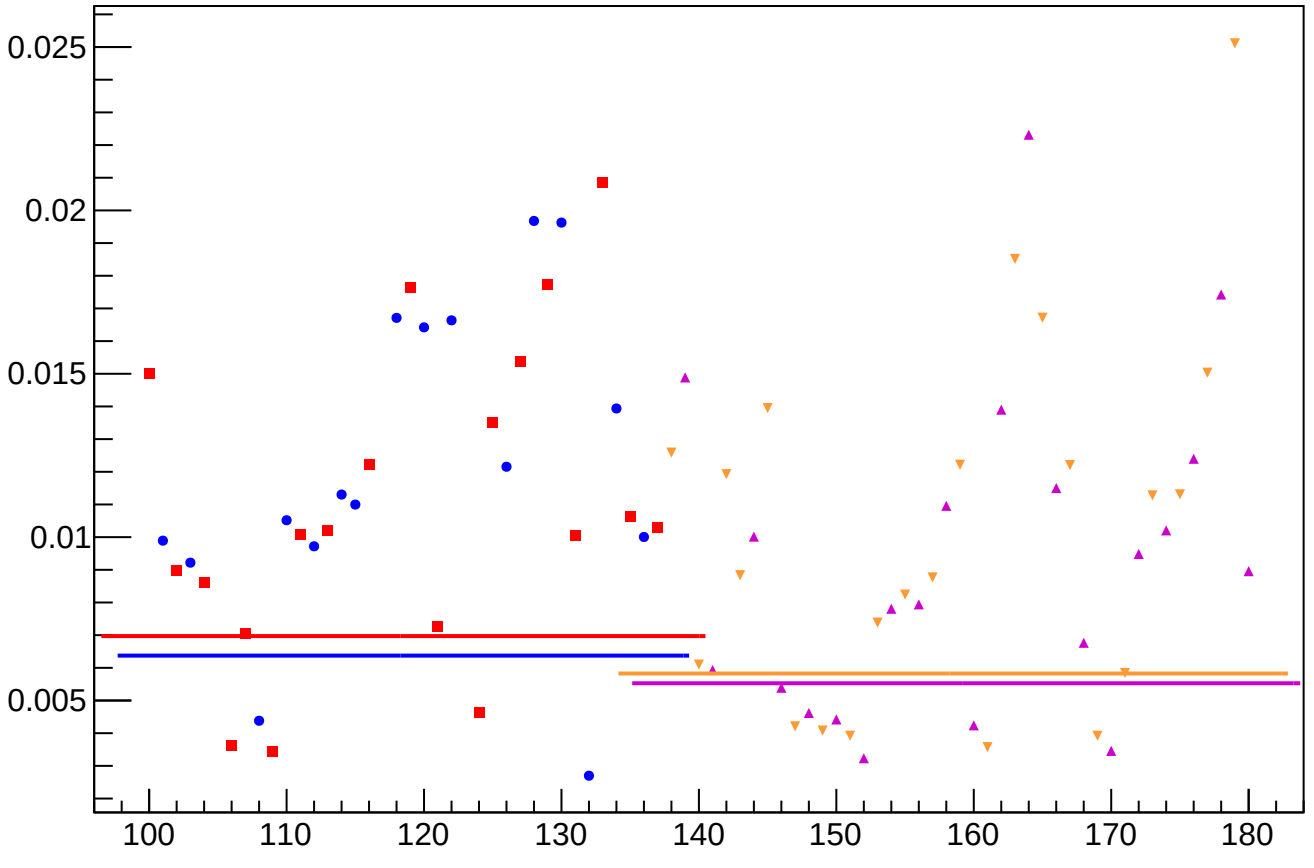
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:30.1/20
Left: 0.000+/-0.000 χ²/NDF: 73.1/42
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:45.0/36
Out: 0.000+/-0.000 χ²/NDF:59.4/40
All: 0.000+/-0.000 χ²/NDF: 105.3/77



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

Left: 0.006+/-0.000 χ^2/NDF: 14696609.6/42

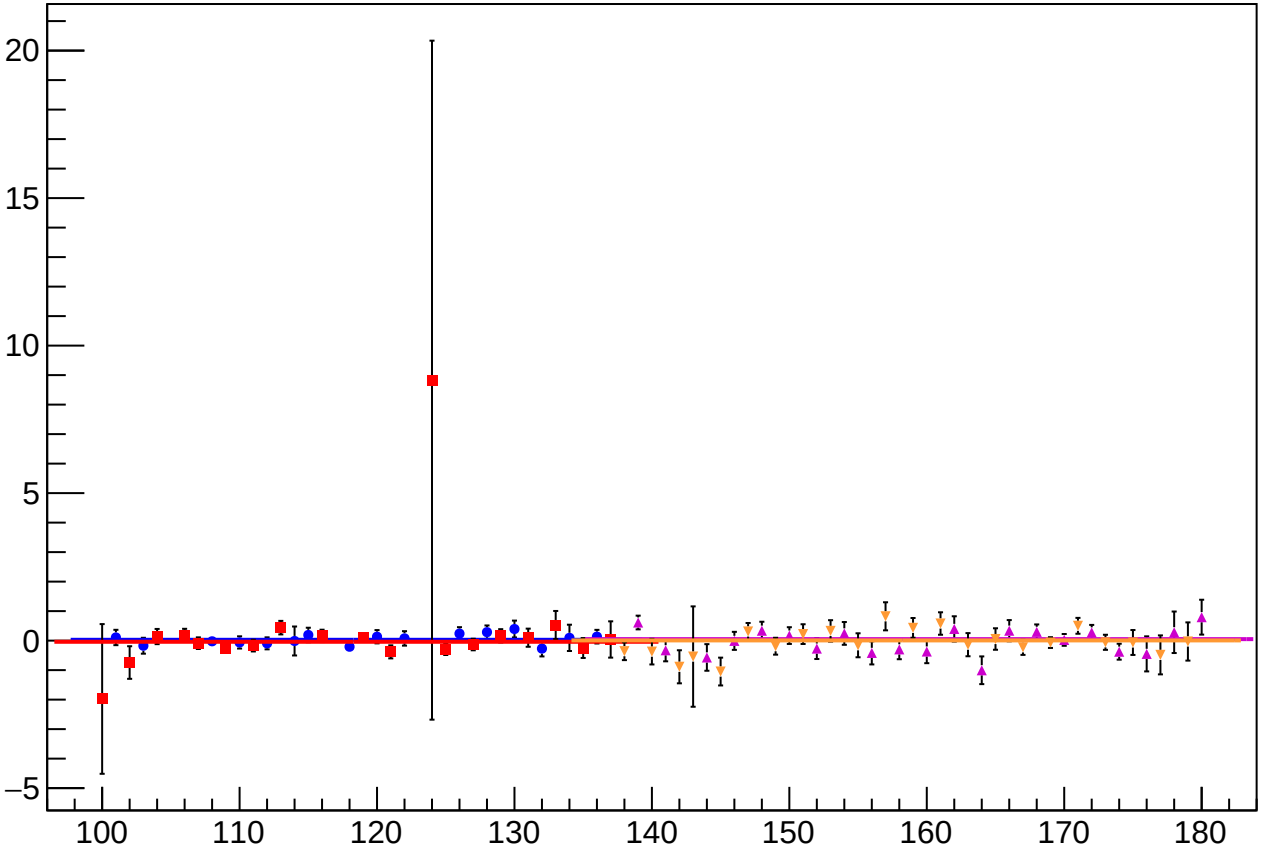
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11525805.5/36

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

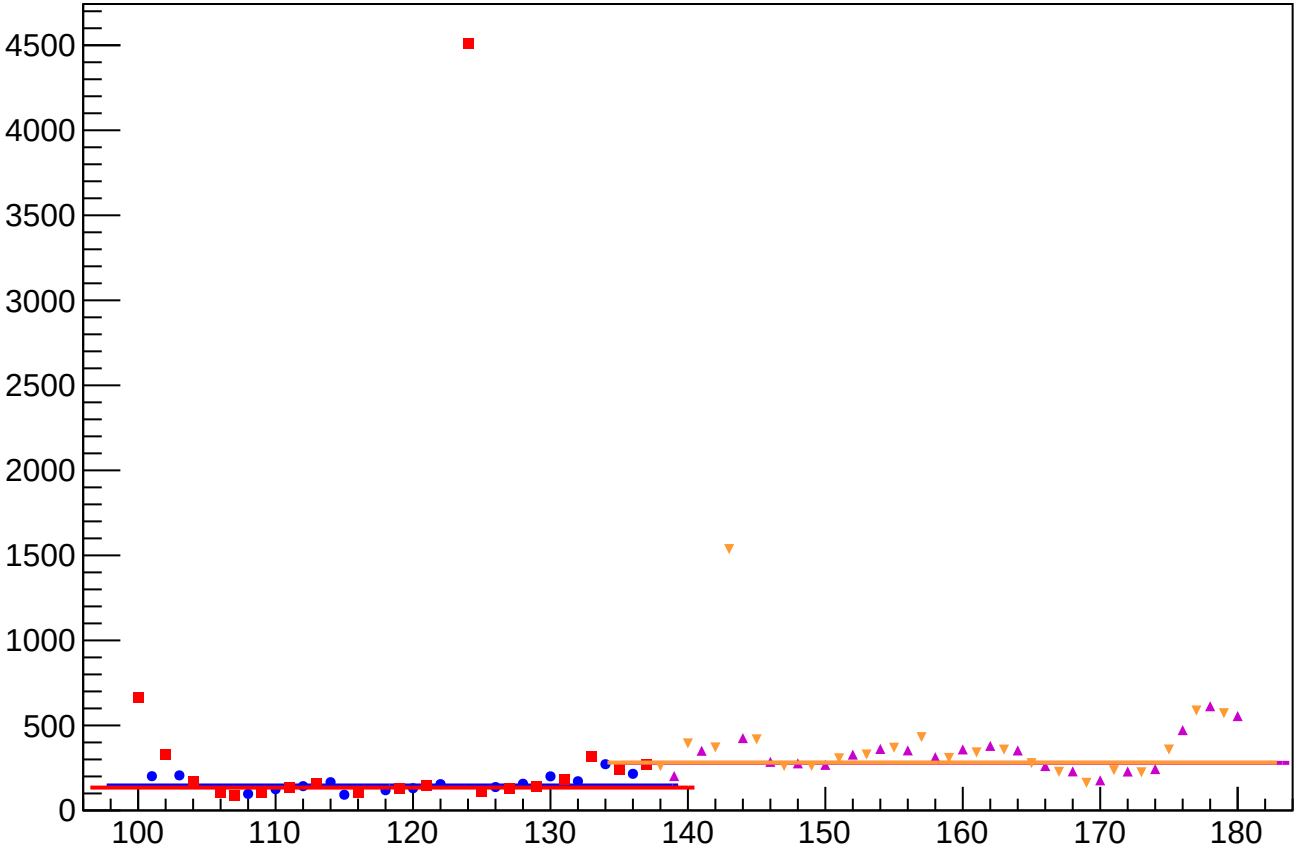
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

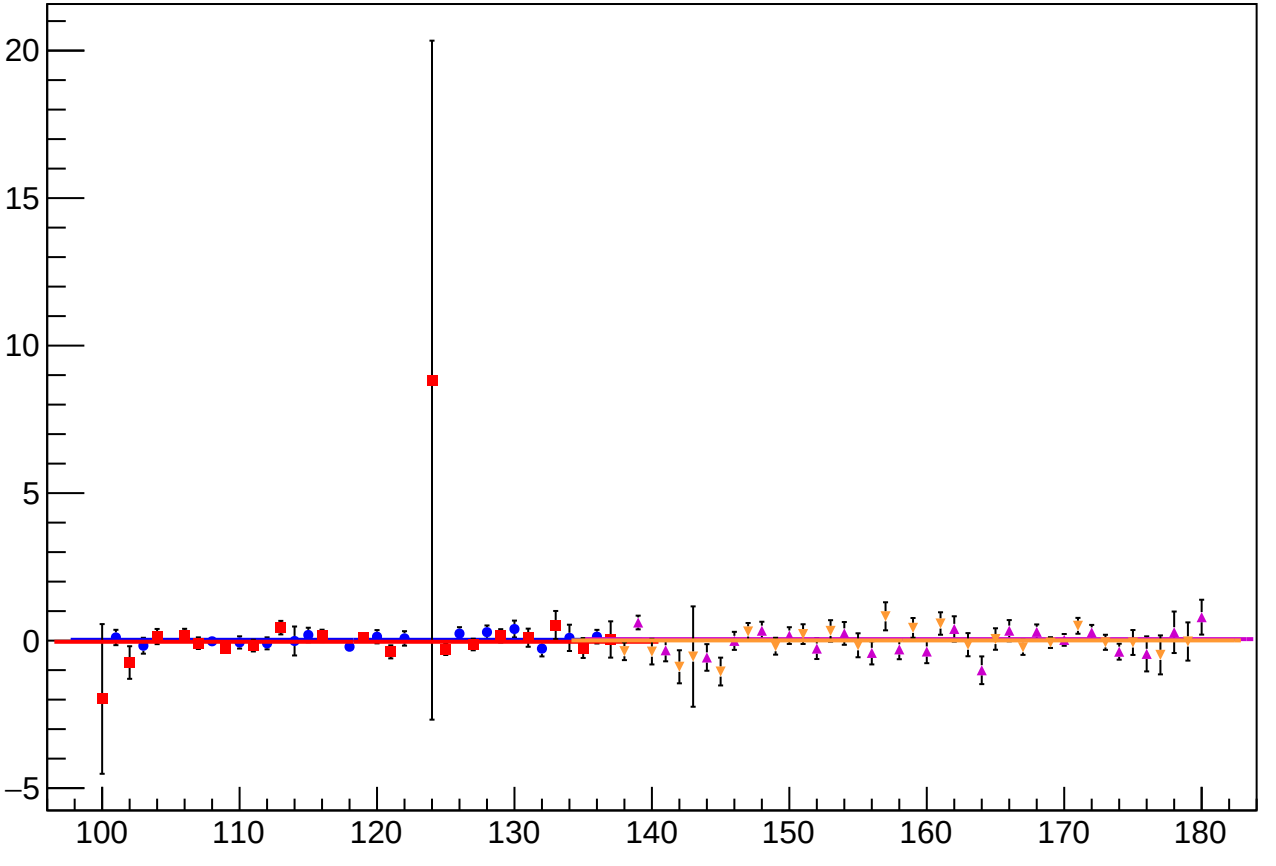
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

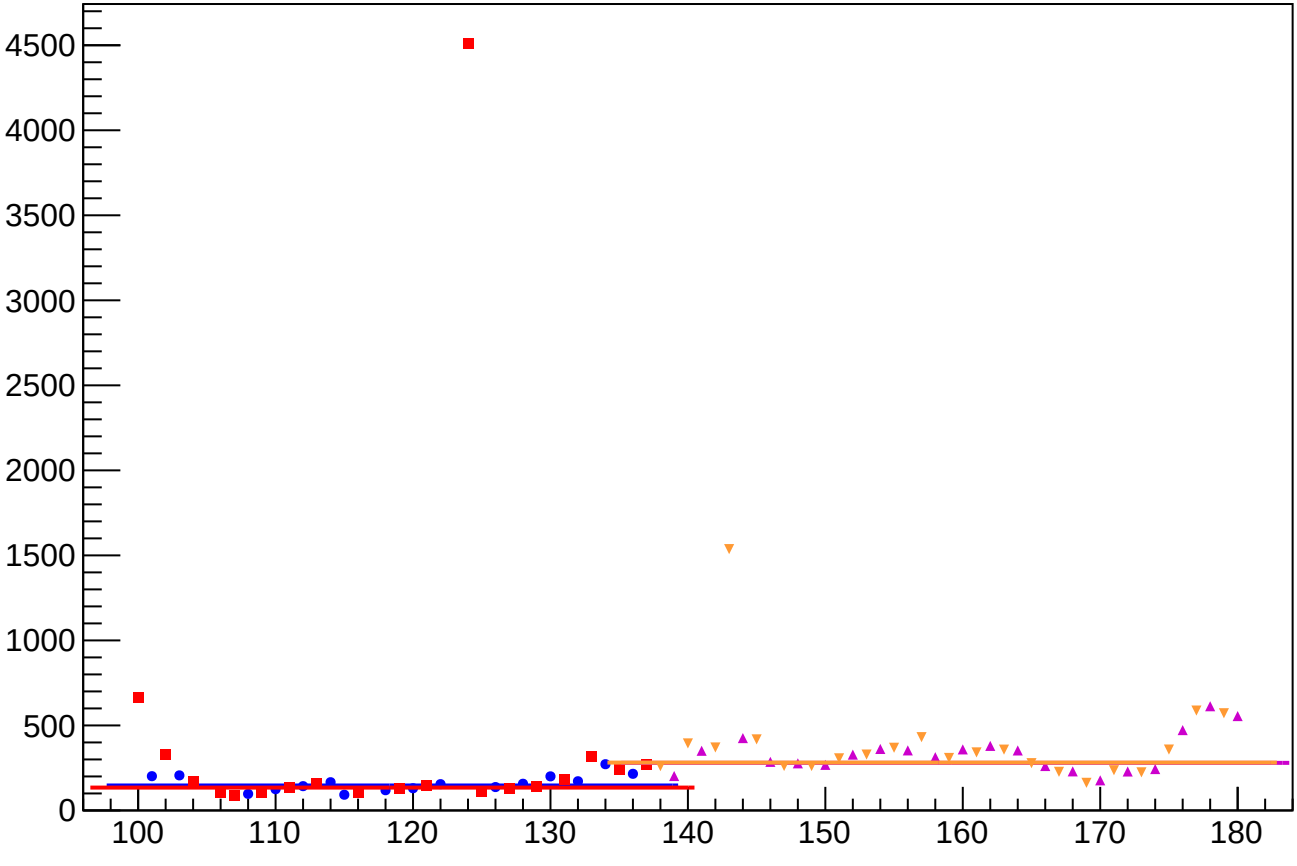
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

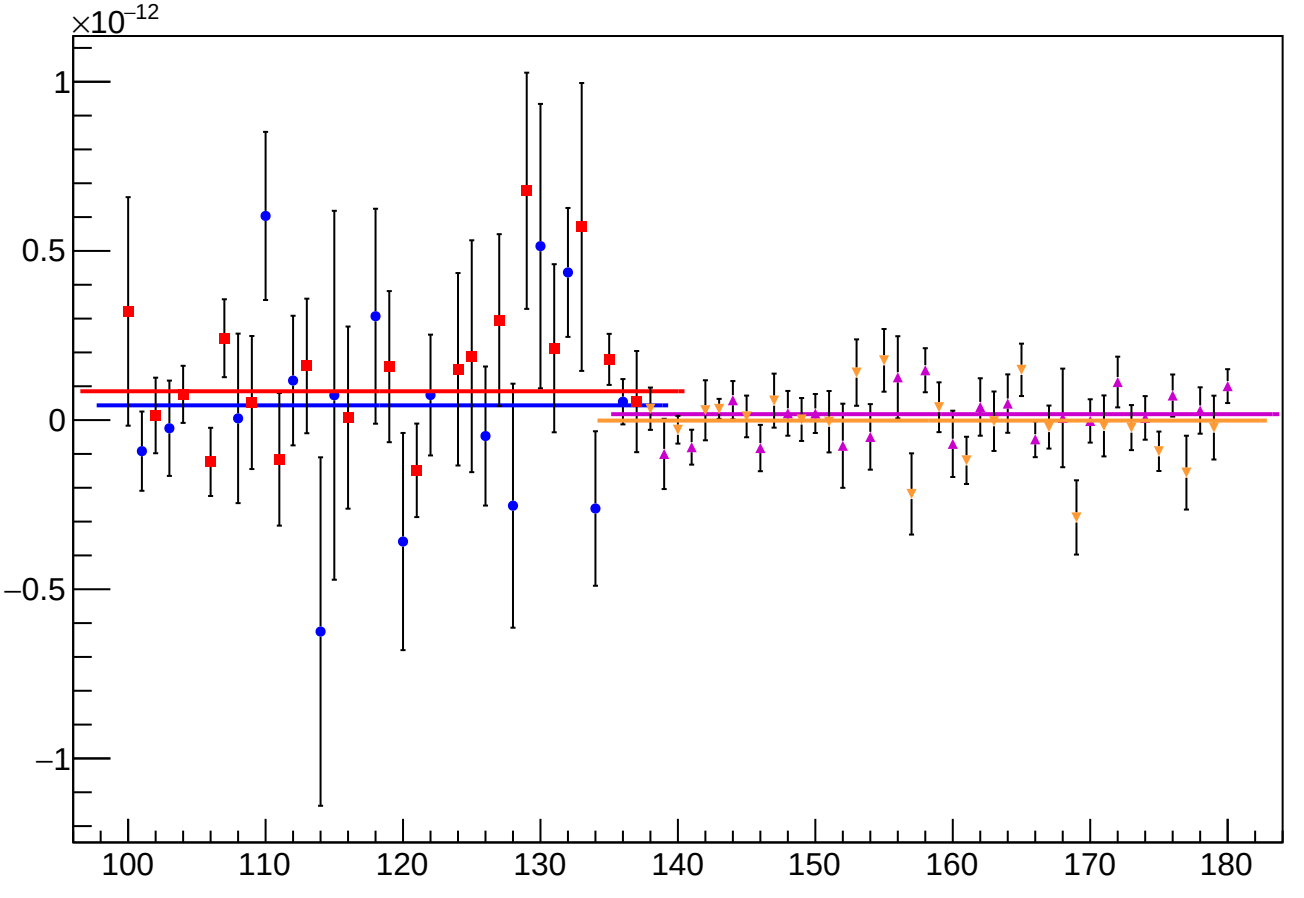
Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/20

Left: 0.000+/-0.000 χ^2/NDF: 52.7/42

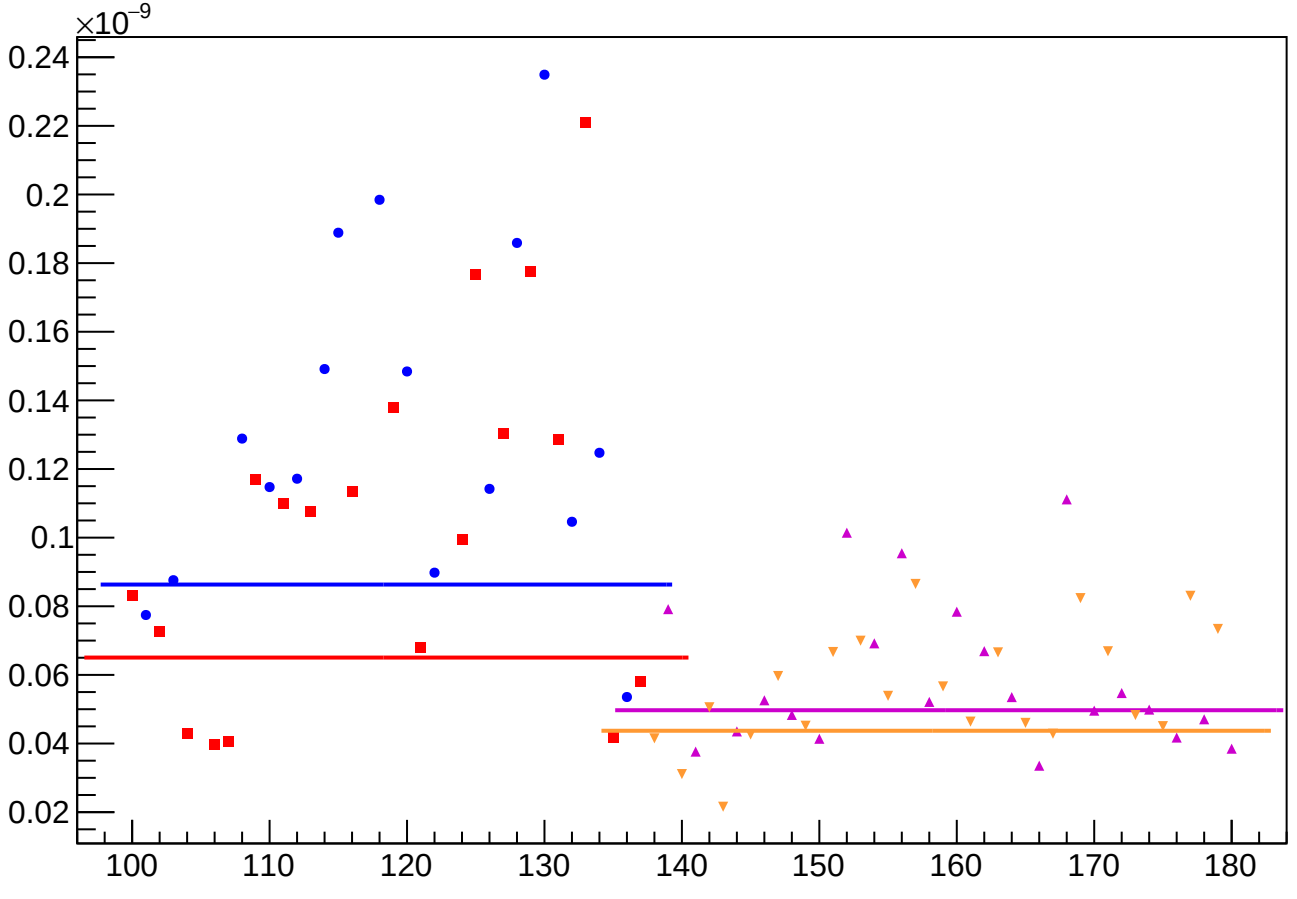
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/36

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 95.1/77

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

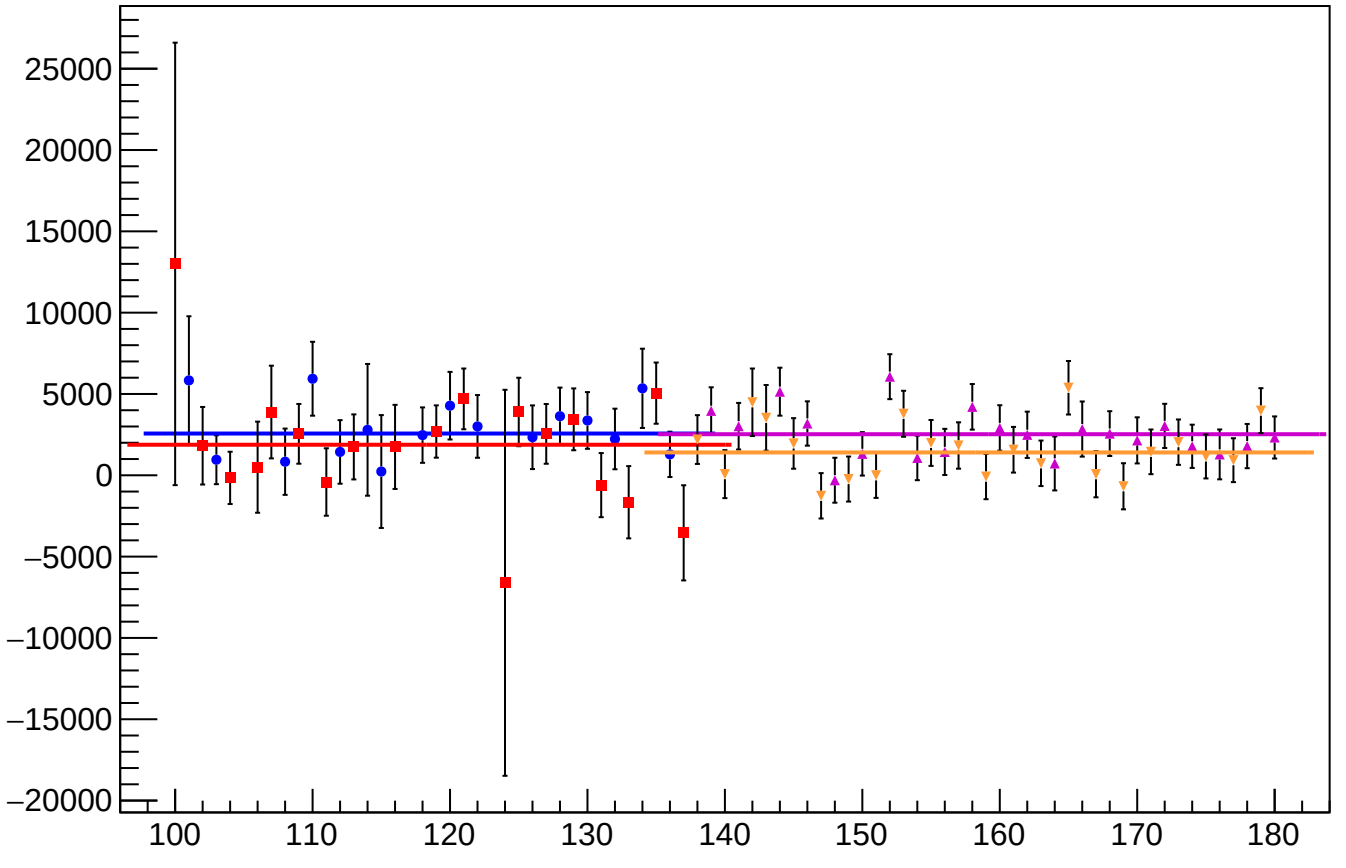
Left: 0.000+/-0.000 χ^2/NDF: 5167505.2/42

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4868574.0/36

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.942+/-309.969 χ^2/NDF:27.8/21

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2525.633+/-308.294 χ^2/NDF:22.0/20

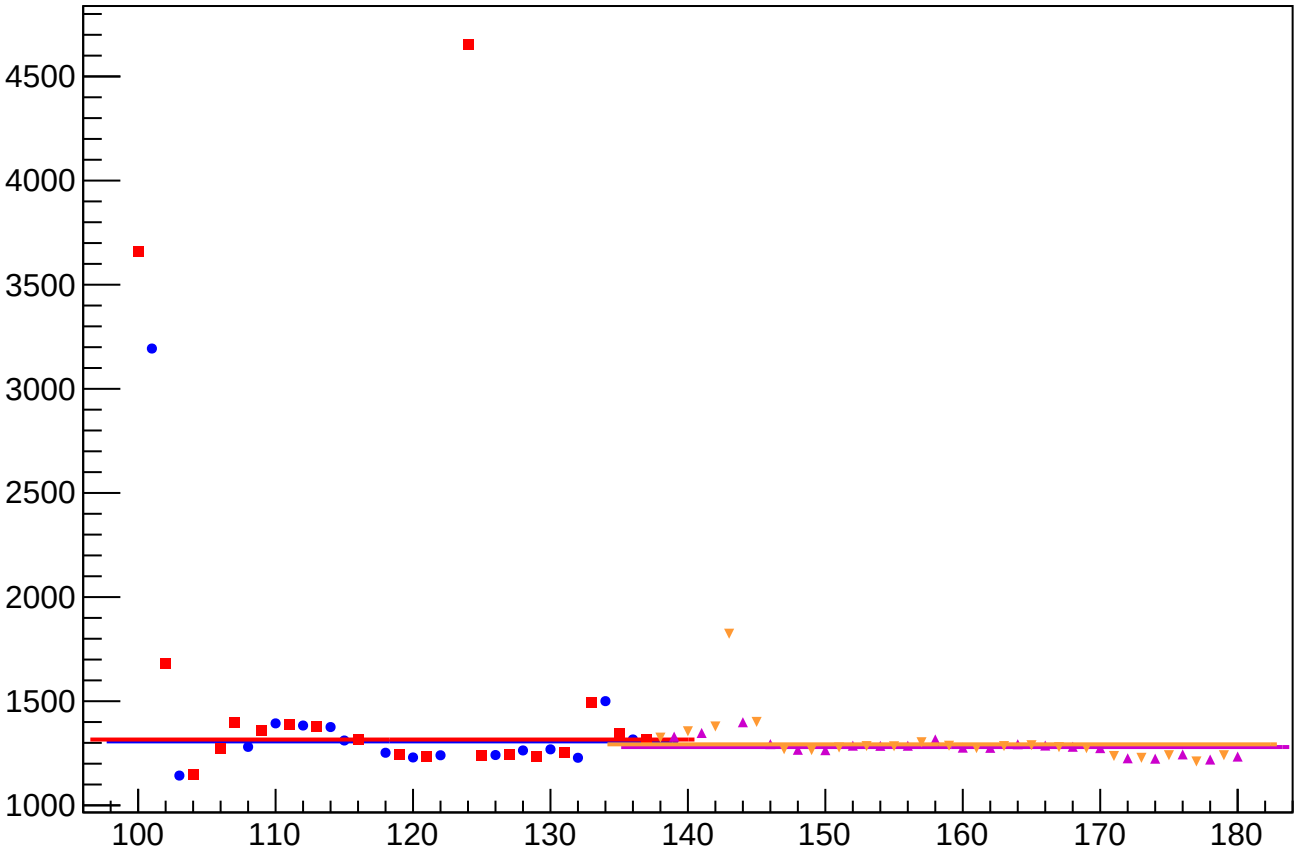
Left: 1967.825+/-218.587 χ^2/NDF: 56.4/42

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2537.311+/-261.743 χ^2/NDF:31.0/36

Out: 1537.589+/-262.669 χ^2/NDF:48.0/40

All: 2039.215+/-185.407 χ^2/NDF: 86.3/77



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

Left: 1286.357+/-0.155 χ^2/NDF: 217893.4/42

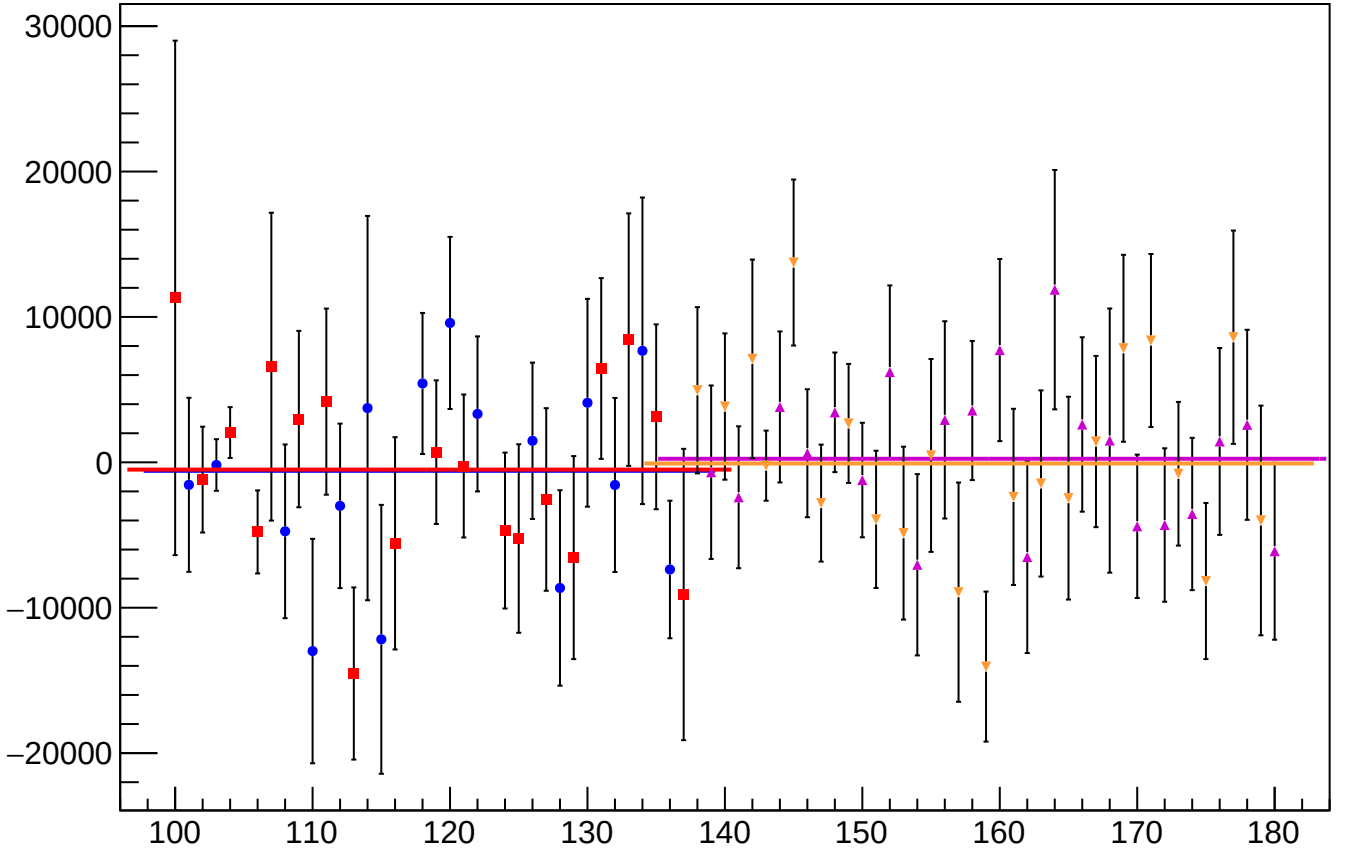
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1287.472+/-0.185 χ^2/NDF:556965.3/36

Out: 1299.439+/-0.186 χ^2/NDF:509307.4/40

All: 1293.439+/-0.131 χ^2/NDF: 1068357.3/77

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: -78.651+/-1097.226 χ^2/NDF:27.1/21

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 244.121+/-1201.349 χ^2/NDF:12.6/20

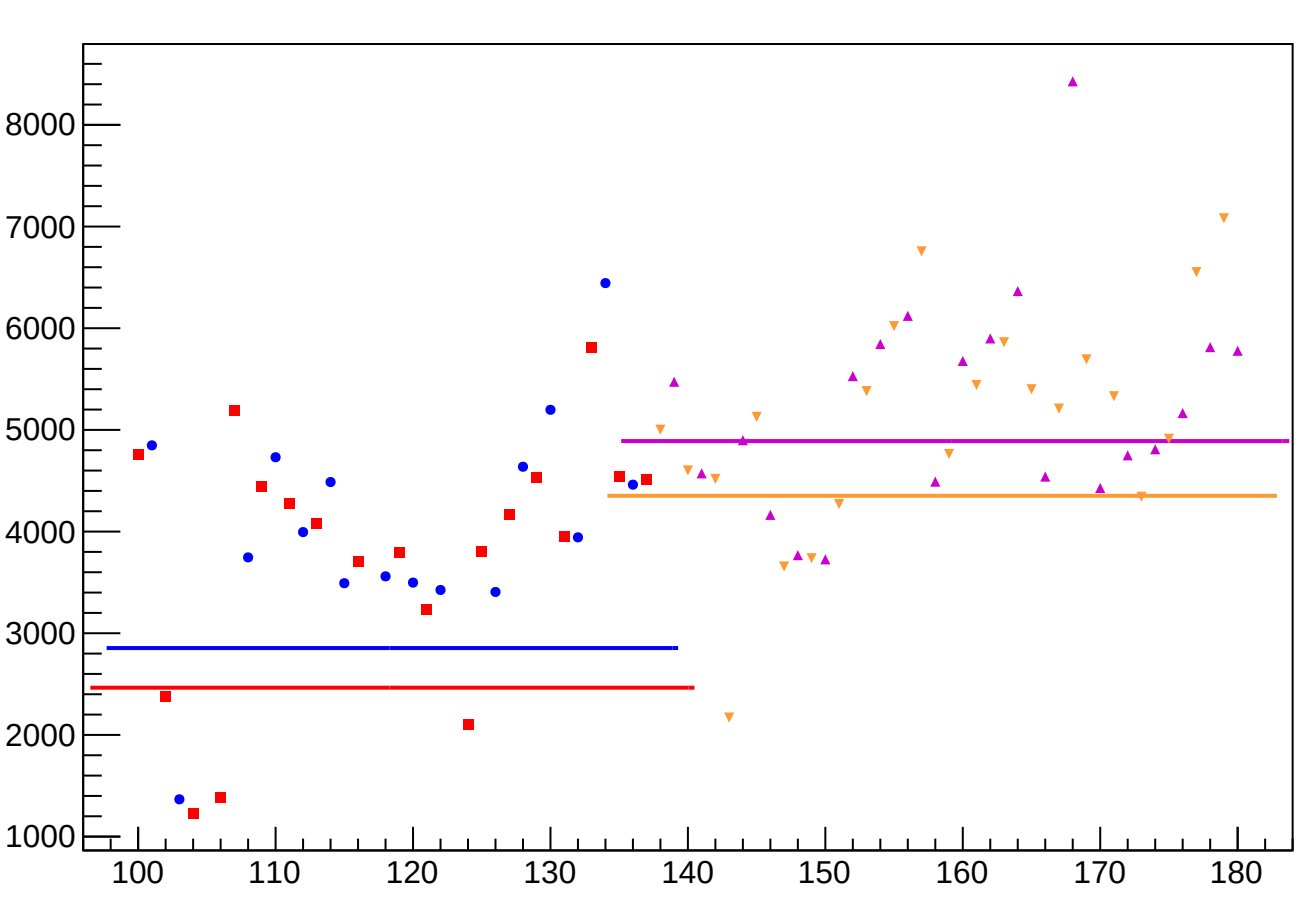
Left: 68.143+/-810.171 χ^2/NDF: 39.8/42

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -171.763+/-846.465 χ^2/NDF:27.6/36

Out: -297.554+/-760.650 χ^2/NDF:44.9/40

All: -241.356+/-565.775 χ^2/NDF: 72.5/77



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4351.866+/-0.776 χ^2/NDF:3059565.7/21

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4890.245+/-0.849 χ^2/NDF:1113233.9/20

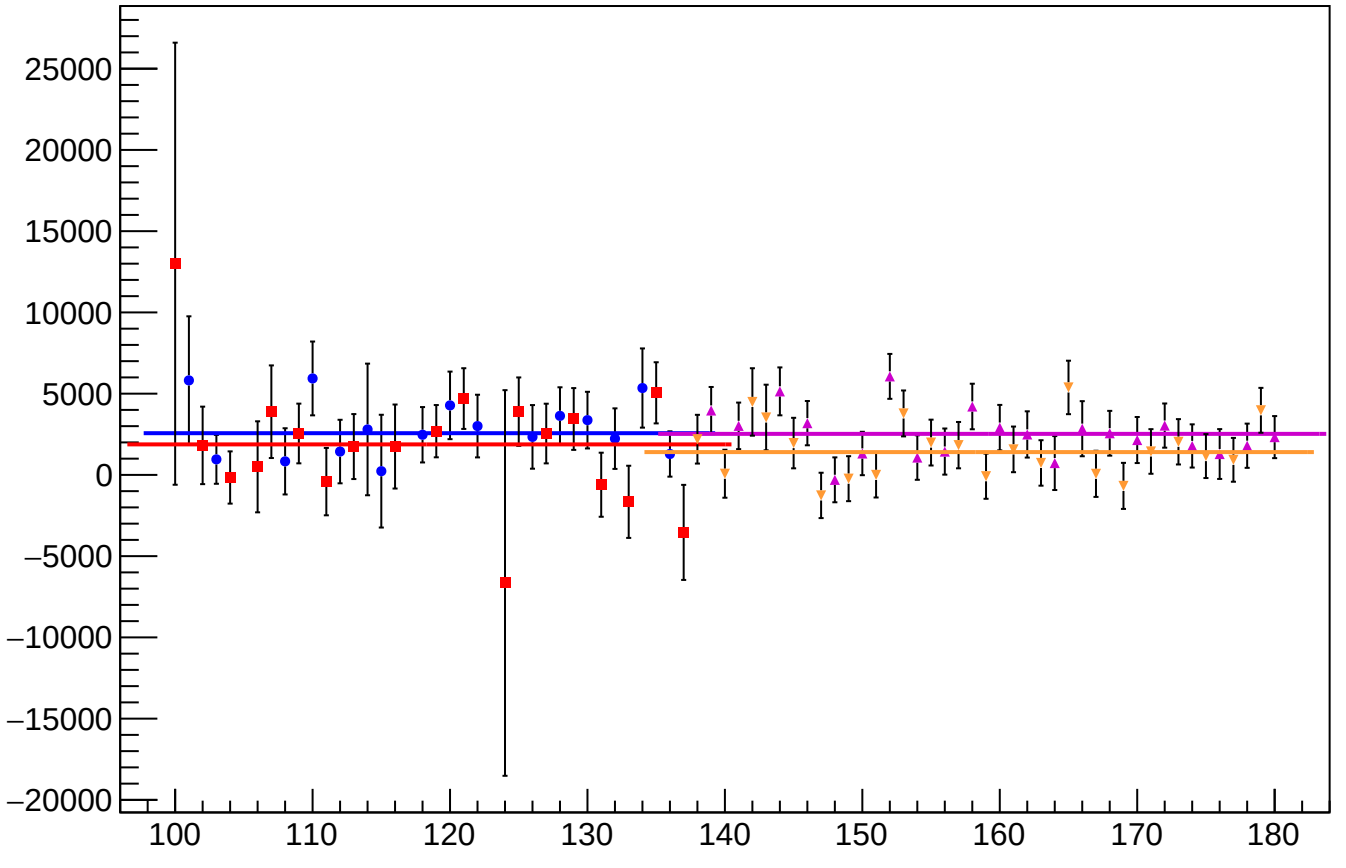
Left: 4596.717+/-0.573 χ^2/NDF: 4391792.3/42

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3865.055+/-0.599 χ^2/NDF:6910480.7/36

Out: 3371.603+/-0.538 χ^2/NDF:9488882.7/40

All: 3592.055+/-0.400 χ^2/NDF: 16775390.4/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2525.633+/-308.294 χ^2/NDF:22.0/20

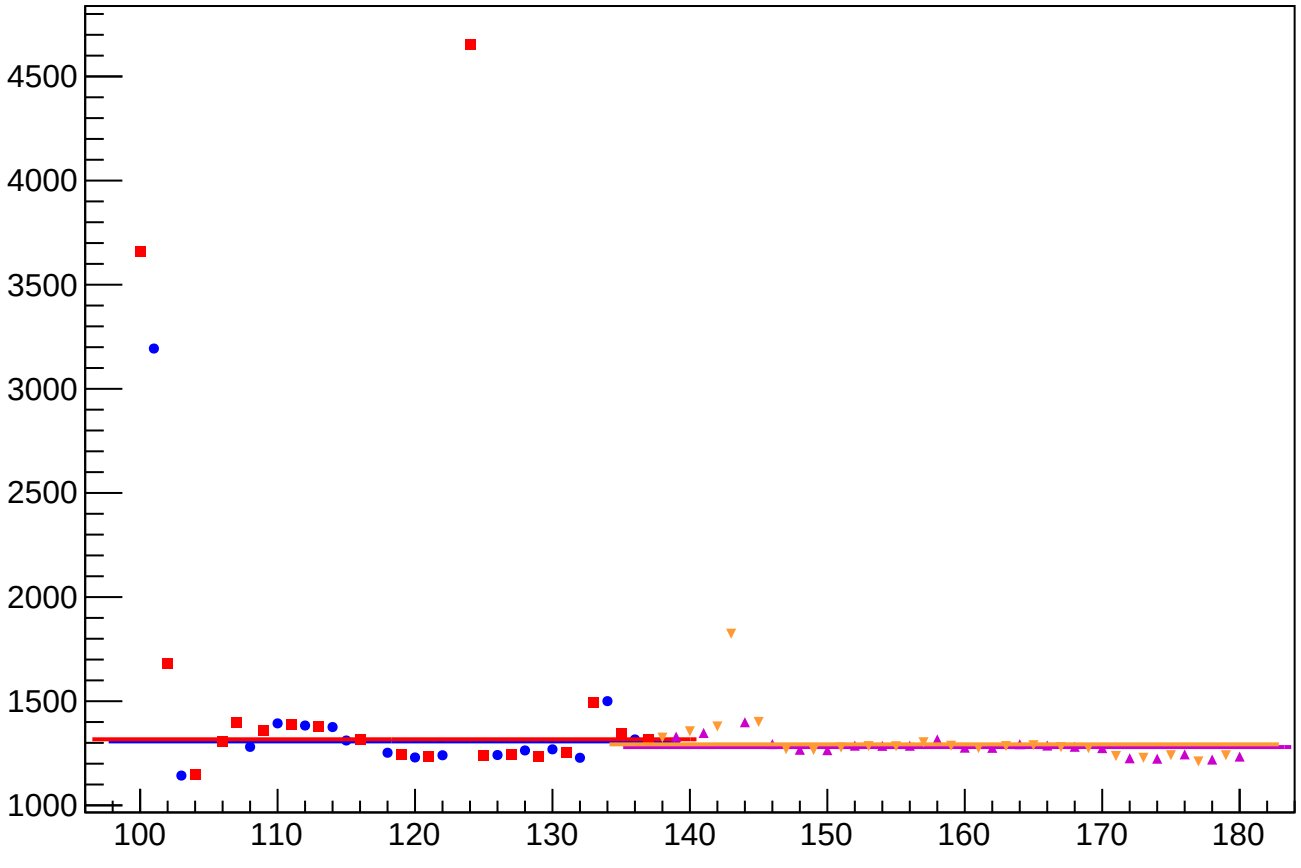
Left: 1967.794+/-218.587 χ^2/NDF: 56.4/42

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2537.233+/-261.743 χ^2/NDF:31.0/36

Out: 1537.473+/-262.669 χ^2/NDF:48.0/40

All: 2039.117+/-185.407 χ^2/NDF: 86.3/77



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

Left: 1286.357+/-0.155 χ^2/NDF: 217893.4/42

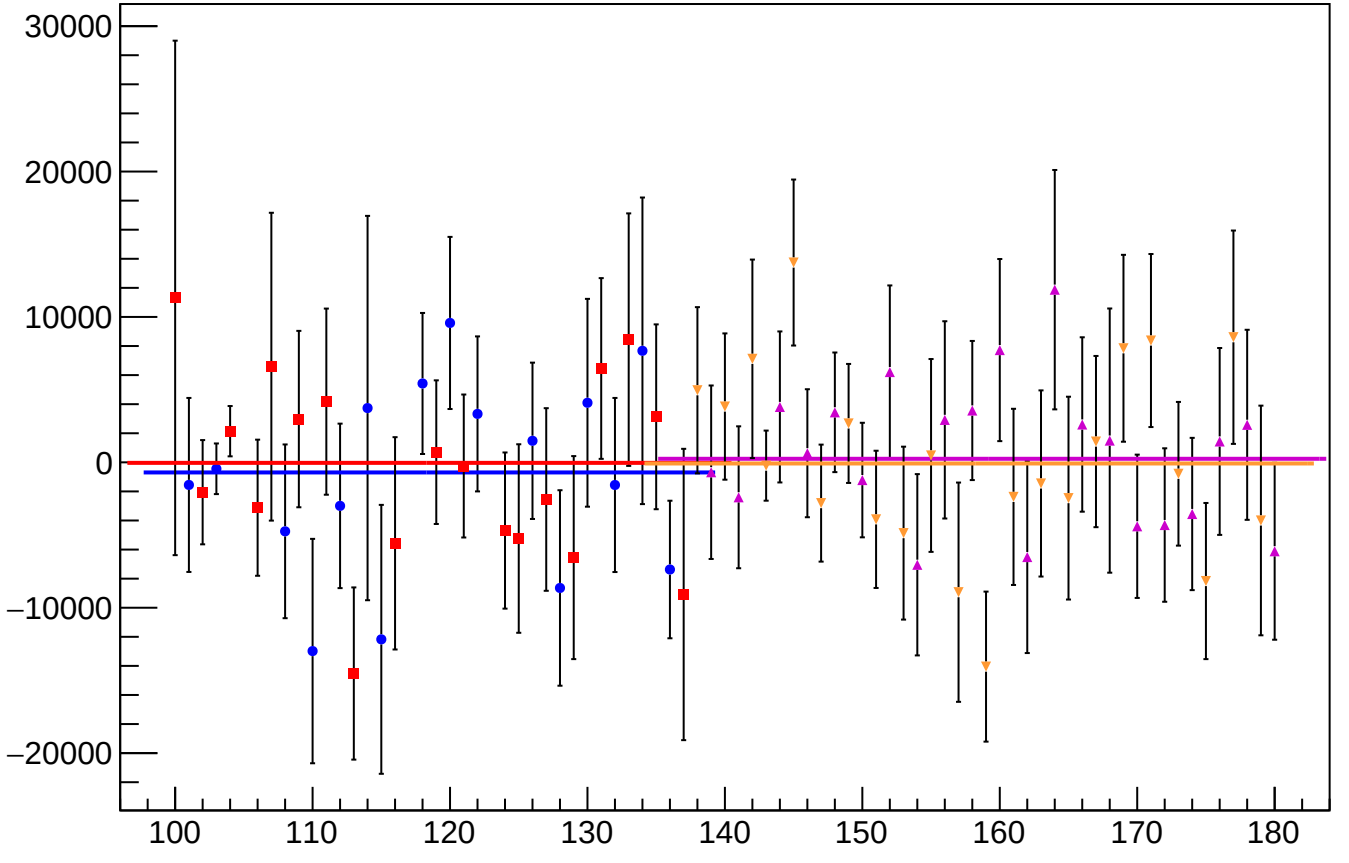
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1287.472+/-0.185 χ^2/NDF:556966.8/36

Out: 1299.751+/-0.186 χ^2/NDF:509125.0/40

All: 1293.593+/-0.131 χ^2/NDF: 1068285.9/77

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 244.169+/-1201.349 χ^2/NDF:12.6/20

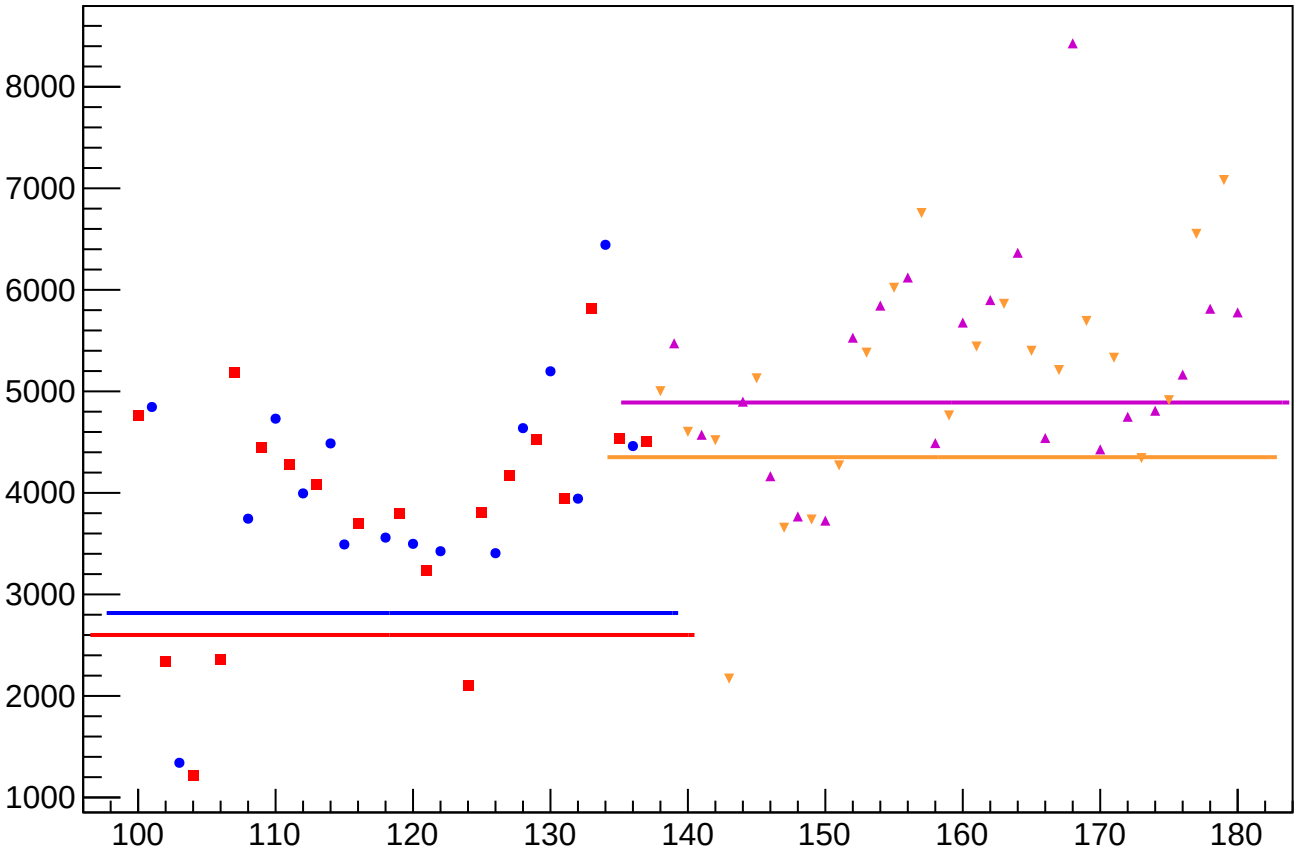
Left: 68.155+/-810.169 χ^2/NDF: 39.8/42

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -232.995+/-842.715 χ^2/NDF:27.6/36

Out: -57.411+/-776.201 χ^2/NDF:43.1/40

All: -138.001+/-570.925 χ^2/NDF: 70.7/77



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

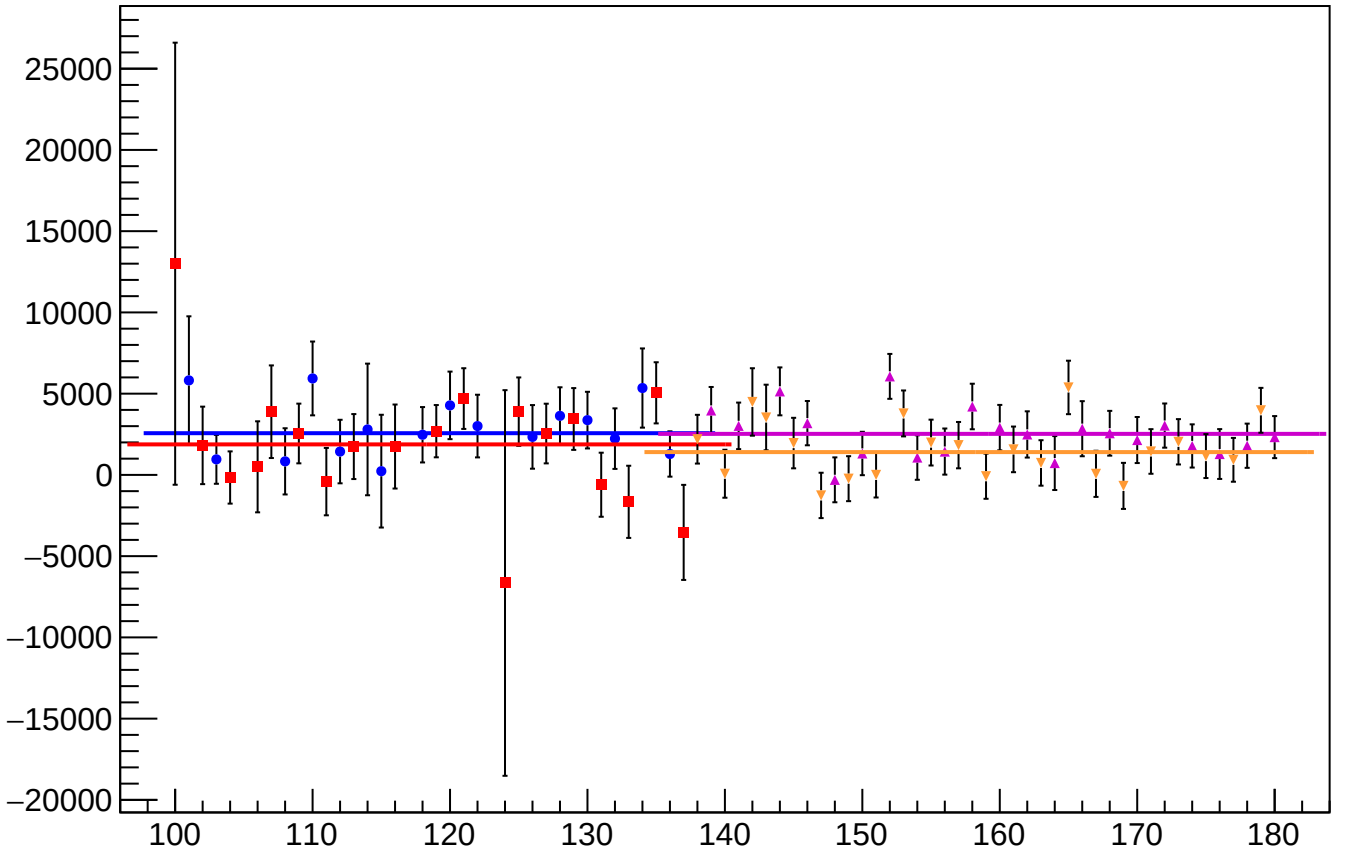
Left: 4596.706+/-0.573 χ^2/NDF: 4391907.8/42

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3837.061+/-0.596 χ^2/NDF:7146966.4/36

Out: 3476.971+/-0.549 χ^2/NDF:8685814.1/40

All: 3642.246+/-0.404 χ^2/NDF: 16030342.3/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2525.633+/-308.294 χ^2/NDF:22.0/20

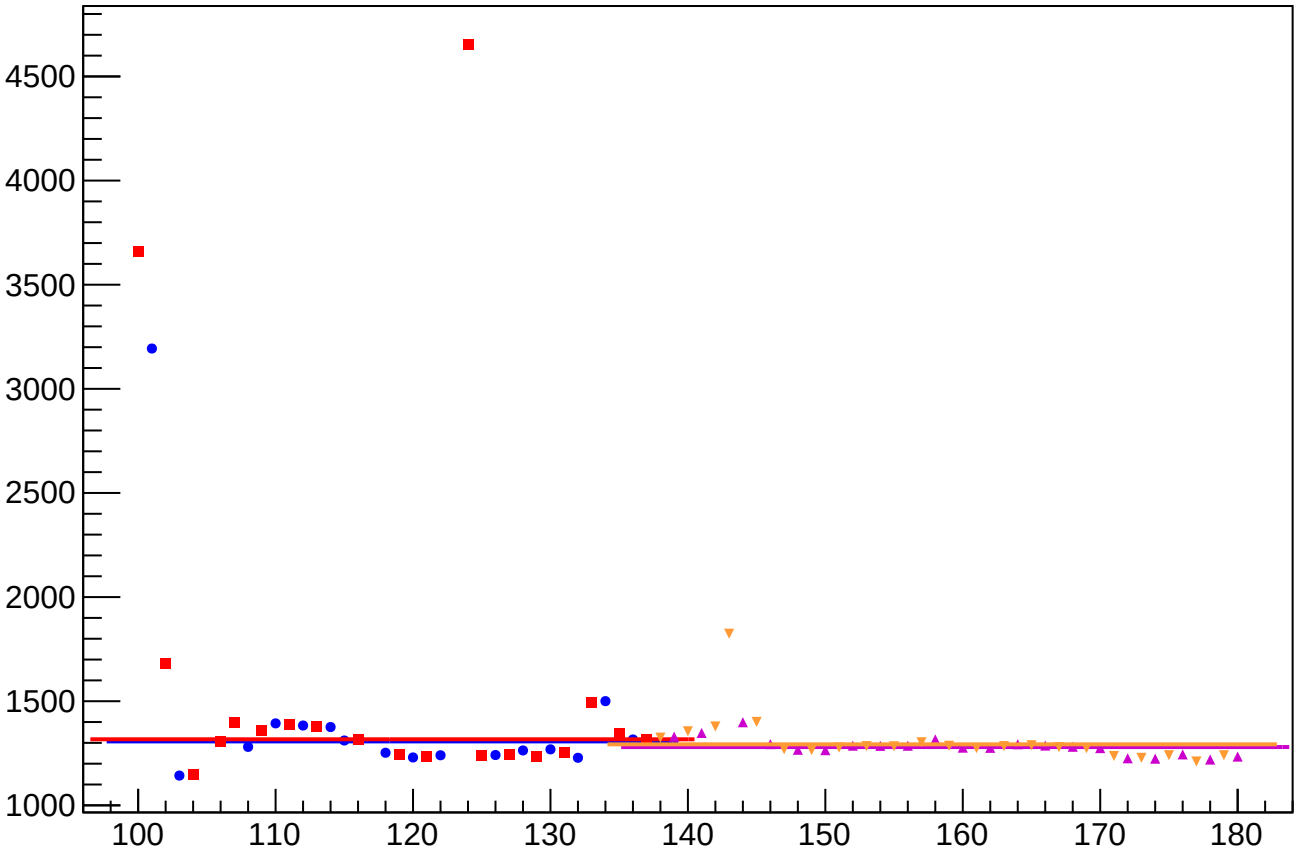
Left: 1967.794+/-218.587 χ^2/NDF: 56.4/42

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2537.233+/-261.743 χ^2/NDF:31.0/36

Out: 1537.473+/-262.669 χ^2/NDF:48.0/40

All: 2039.117+/-185.407 χ^2/NDF: 86.3/77



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1279.882+/-0.218 χ^2/NDF:36374.1/20

Left: 1286.357+/-0.155 χ^2/NDF: 217893.4/42

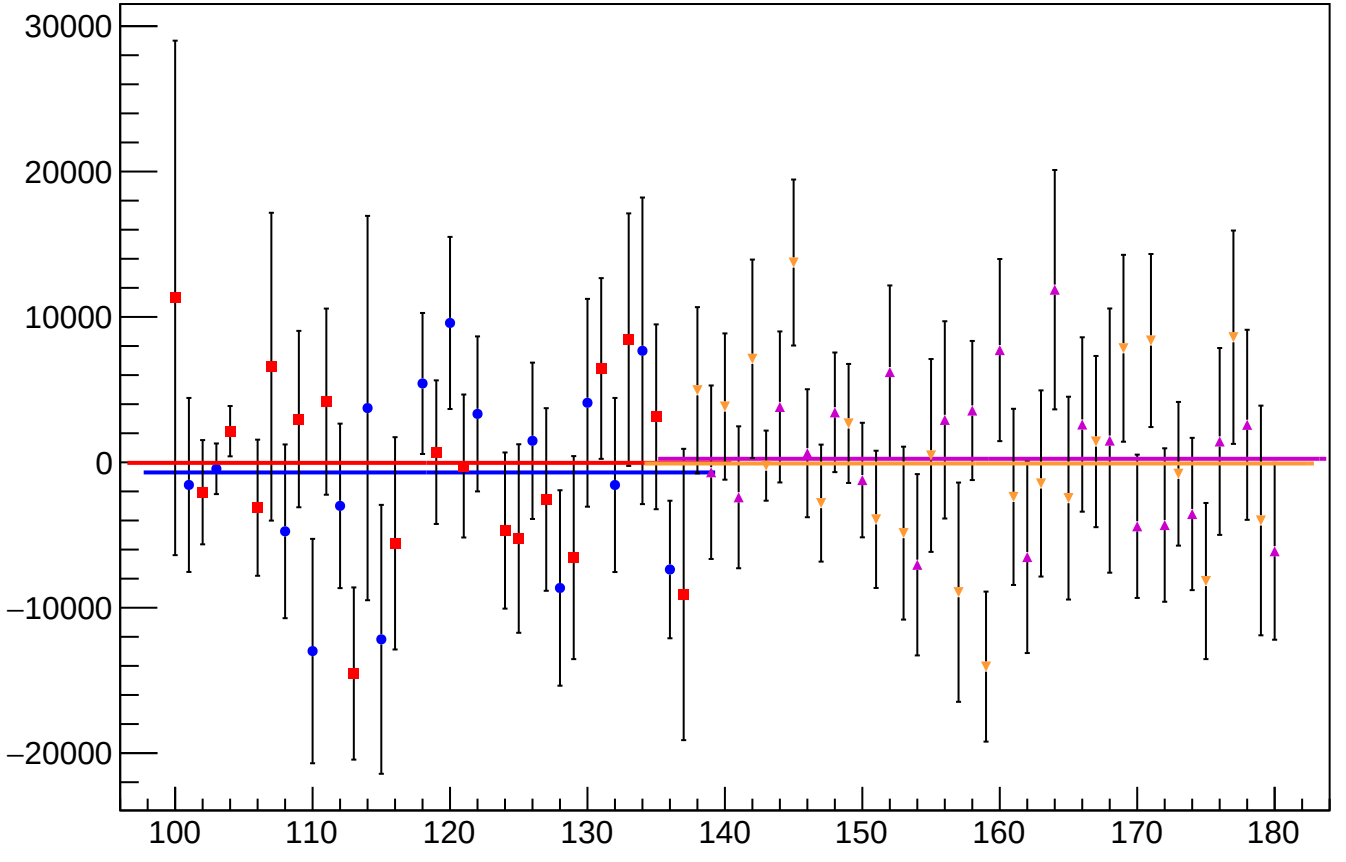
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1287.472+/-0.185 χ^2/NDF:556966.8/36

Out: 1299.751+/-0.186 χ^2/NDF:509125.0/40

All: 1293.593+/-0.131 χ^2/NDF: 1068285.9/77

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 244.169+/-1201.349 χ^2/NDF:12.6/20

Left: 68.155+/-810.169 χ^2/NDF: 39.8/42

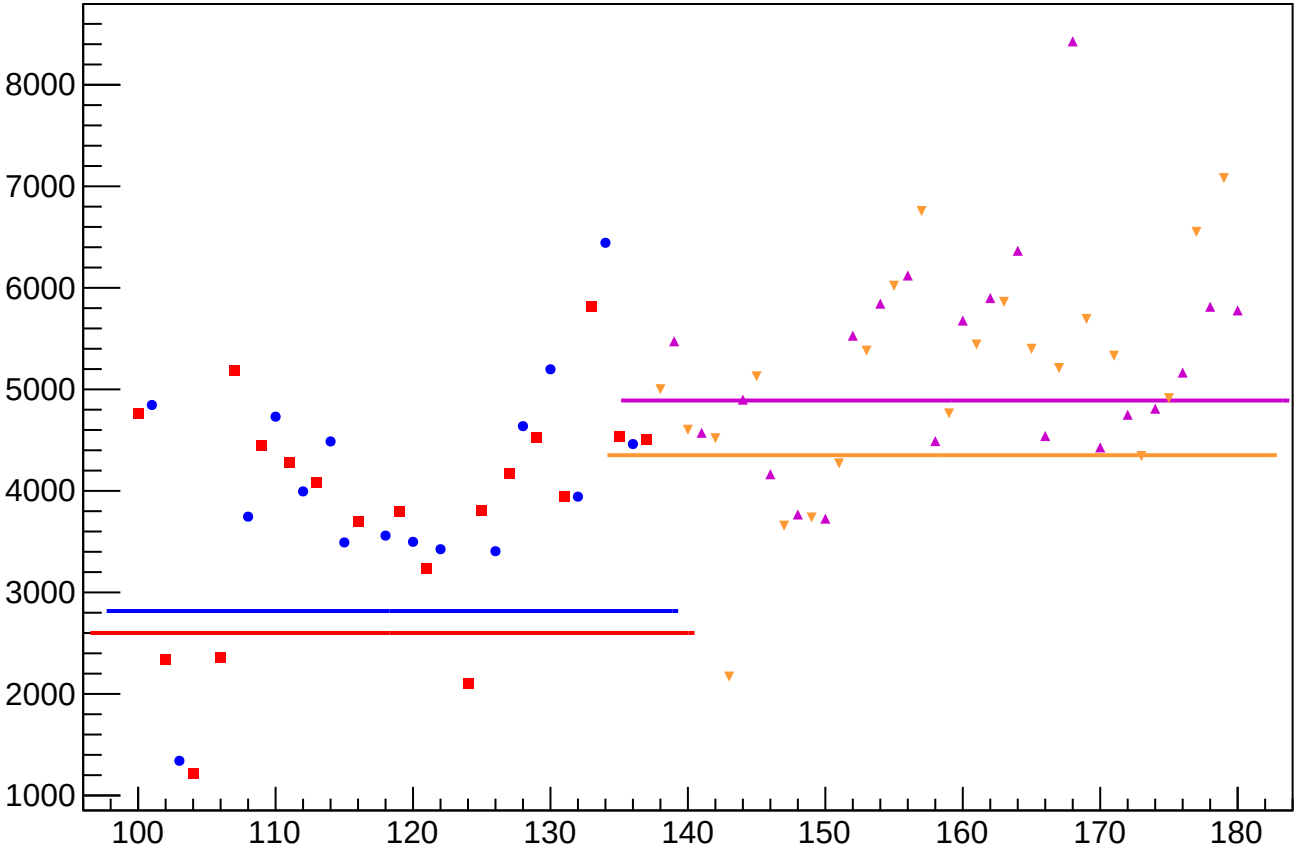
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -232.995+/-842.715 χ^2/NDF:27.6/36

Out: -57.411+/-776.201 χ^2/NDF:43.1/40

All: -138.001+/-570.925 χ^2/NDF: 70.7/77

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: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4890.244+/-0.849 χ^2/NDF:1113240.7/20

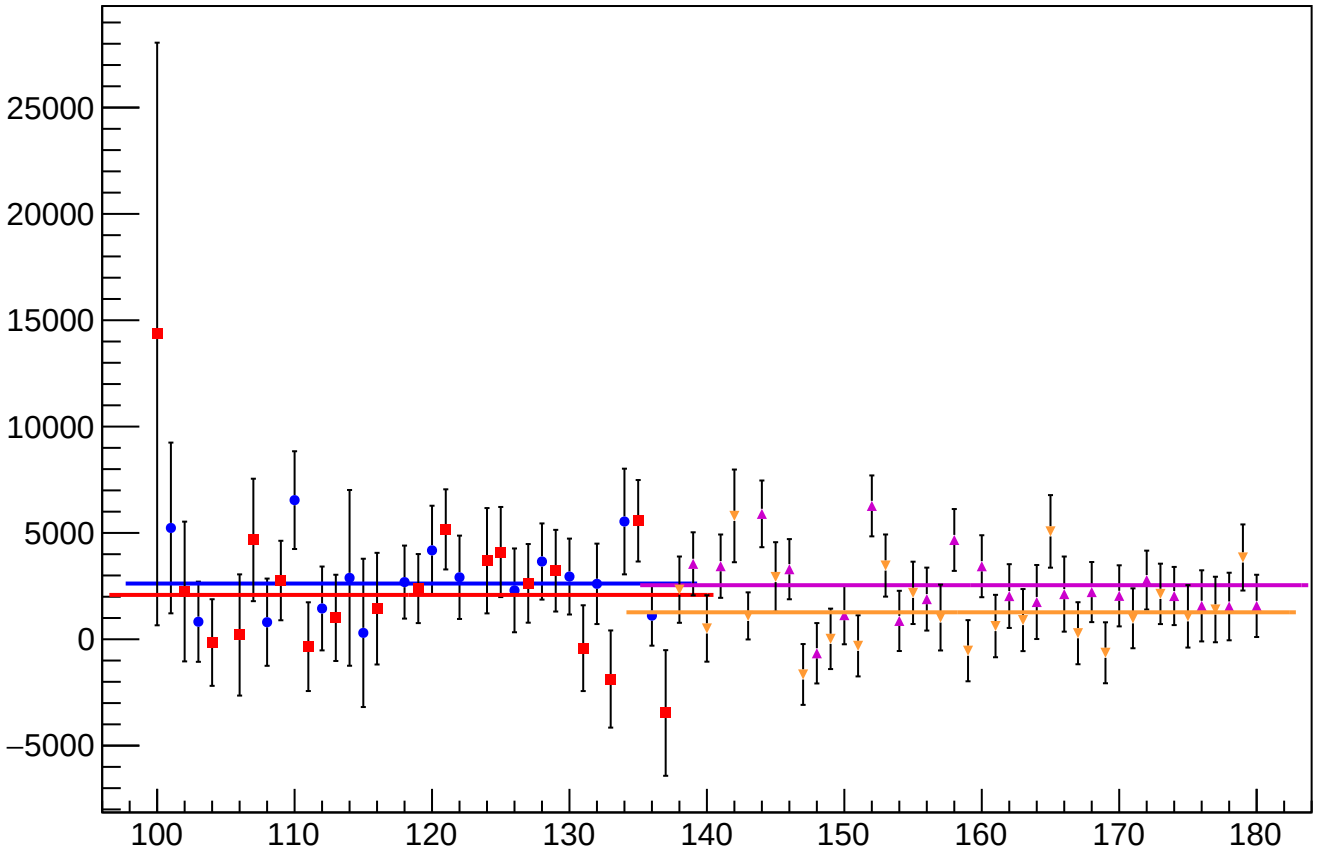
Left: 4596.706+/-0.573 χ^2/NDF: 4391907.8/42

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3837.061+/-0.596 χ^2/NDF:7146966.4/36

Out: 3476.971+/-0.549 χ^2/NDF:8685814.1/40

All: 3642.246+/-0.404 χ^2/NDF: 16030342.3/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.331+/-315.299 χ^2/NDF:27.1/21

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2542.641+/-322.952 χ^2/NDF:24.6/20

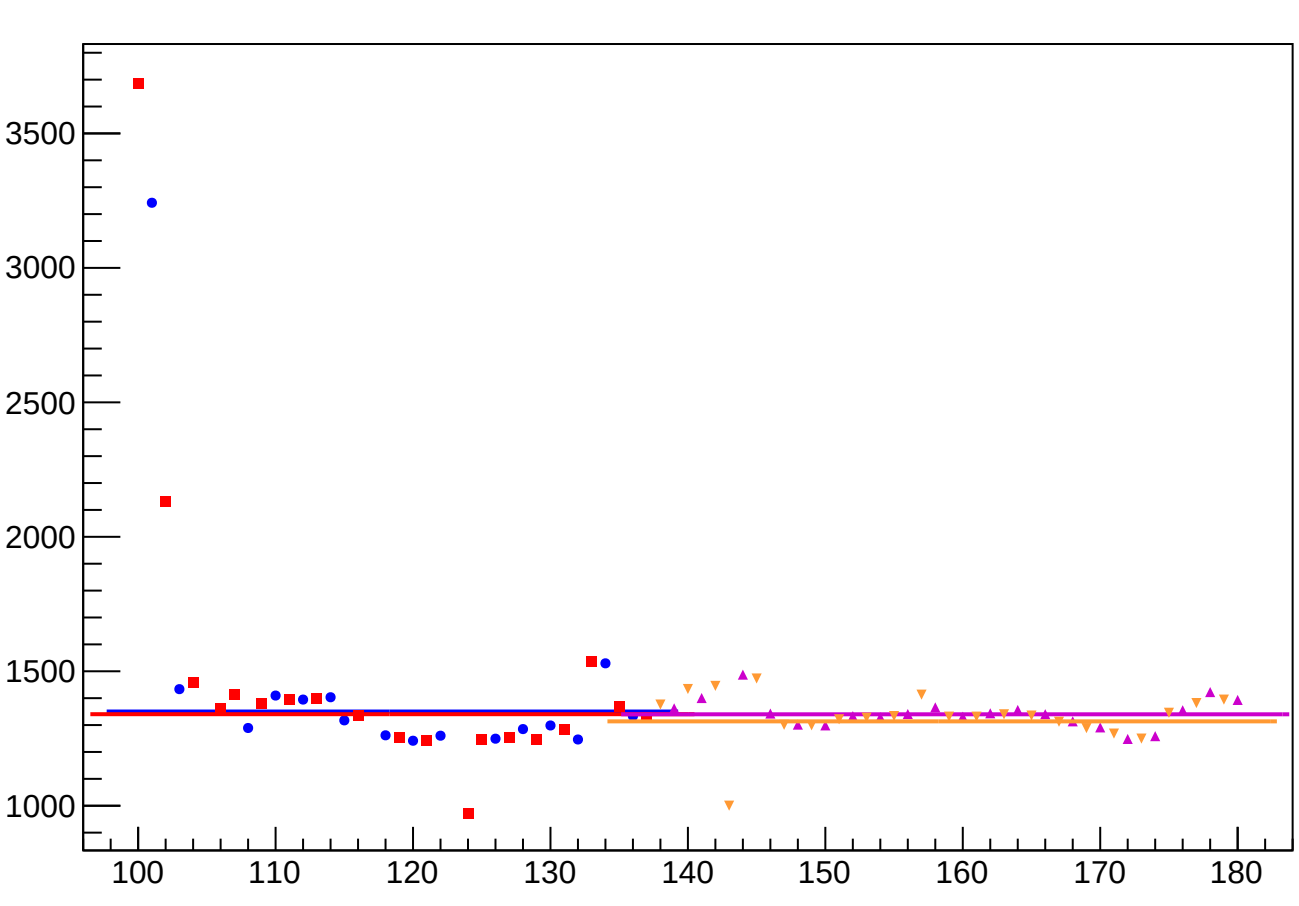
Left: 1890.209+/-225.607 χ^2/NDF: 59.7/42

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2564.842+/-273.078 χ^2/NDF:33.9/36

Out: 1497.645+/-267.432 χ^2/NDF:50.0/40

All: 2020.097+/-191.068 χ^2/NDF: 91.7/77



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1313.751+/-0.223 χ^2/NDF:229531.9/21

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1340.038+/-0.228 χ^2/NDF:52835.7/20

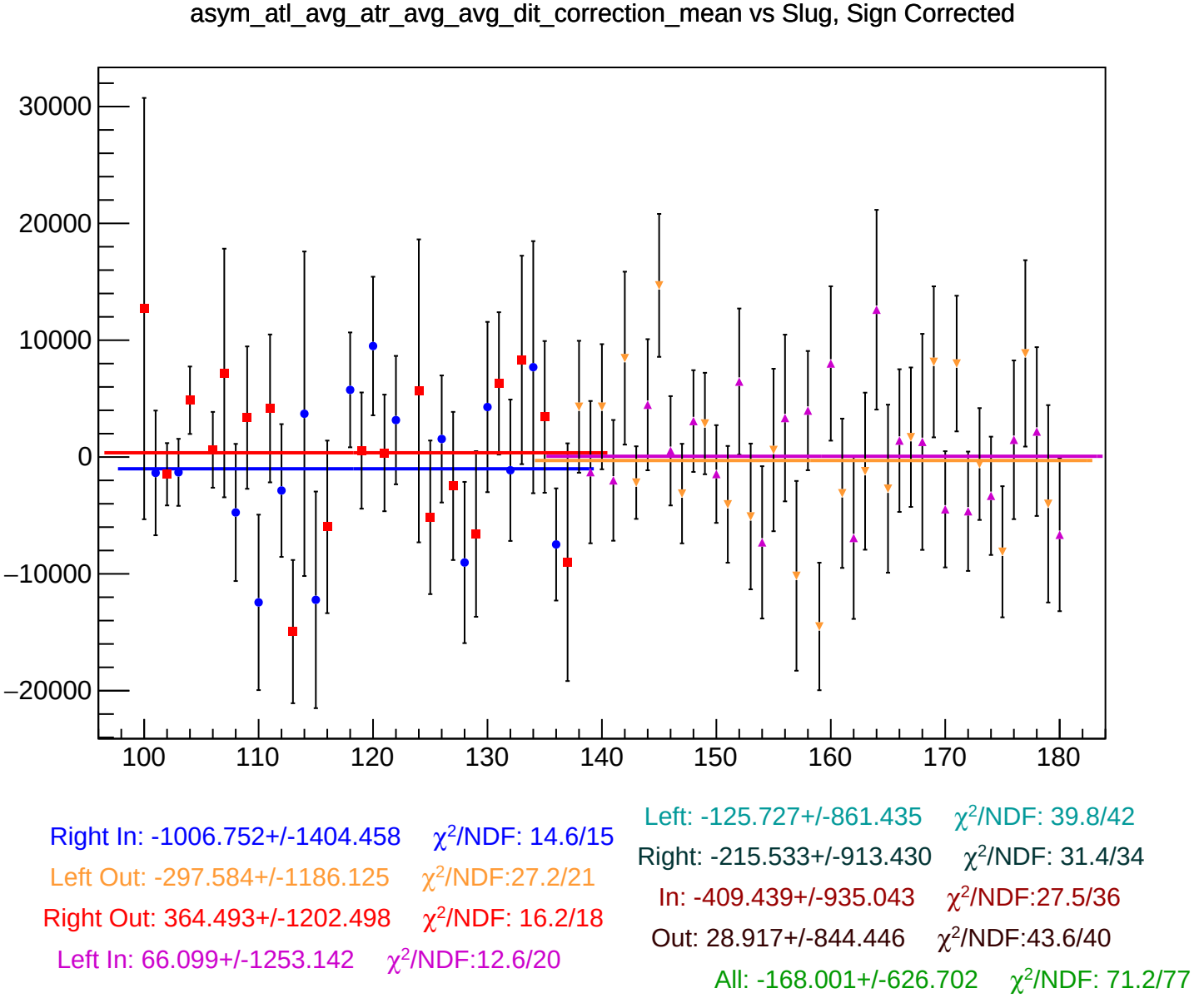
Left: 1326.580+/-0.160 χ^2/NDF: 289151.8/42

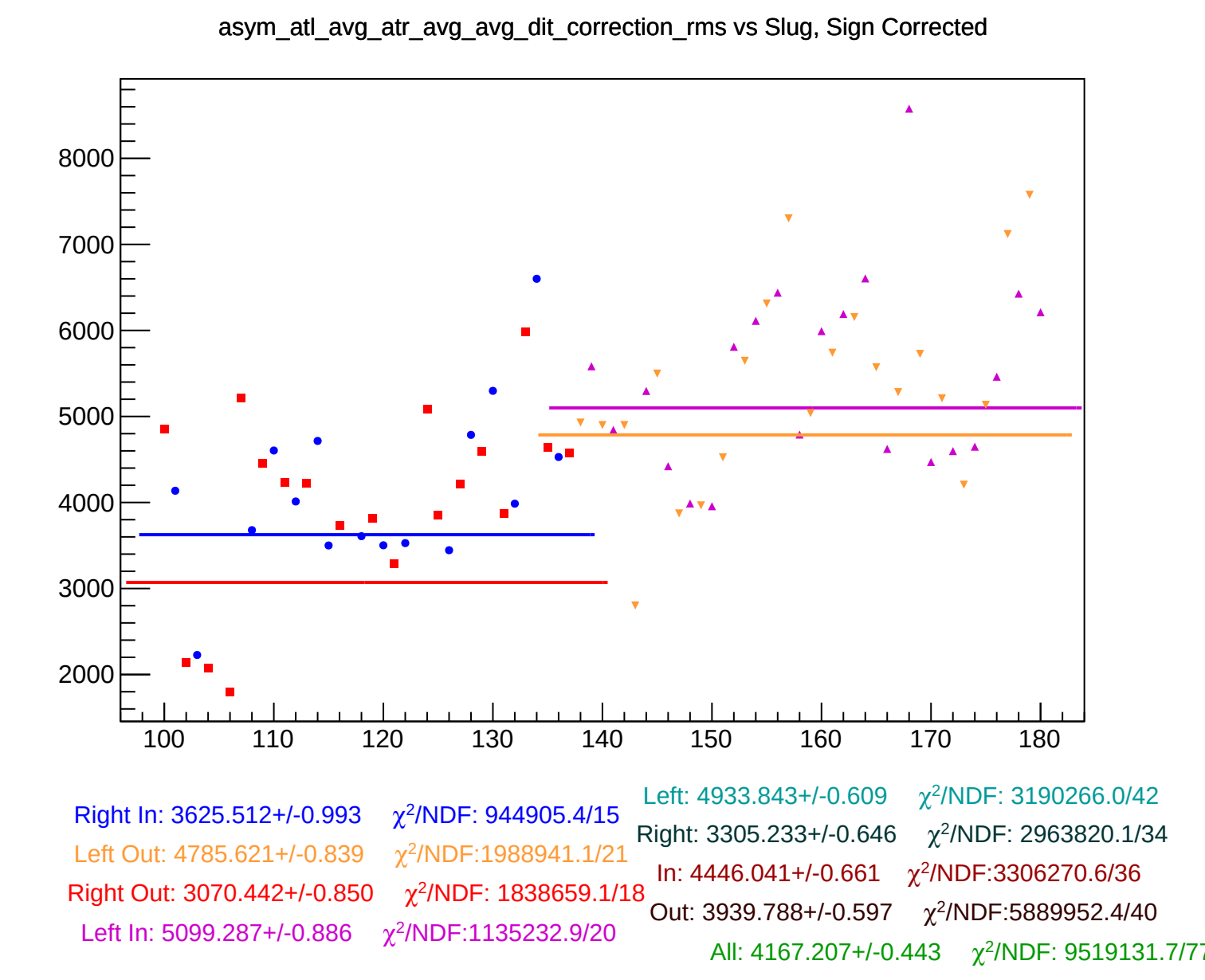
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

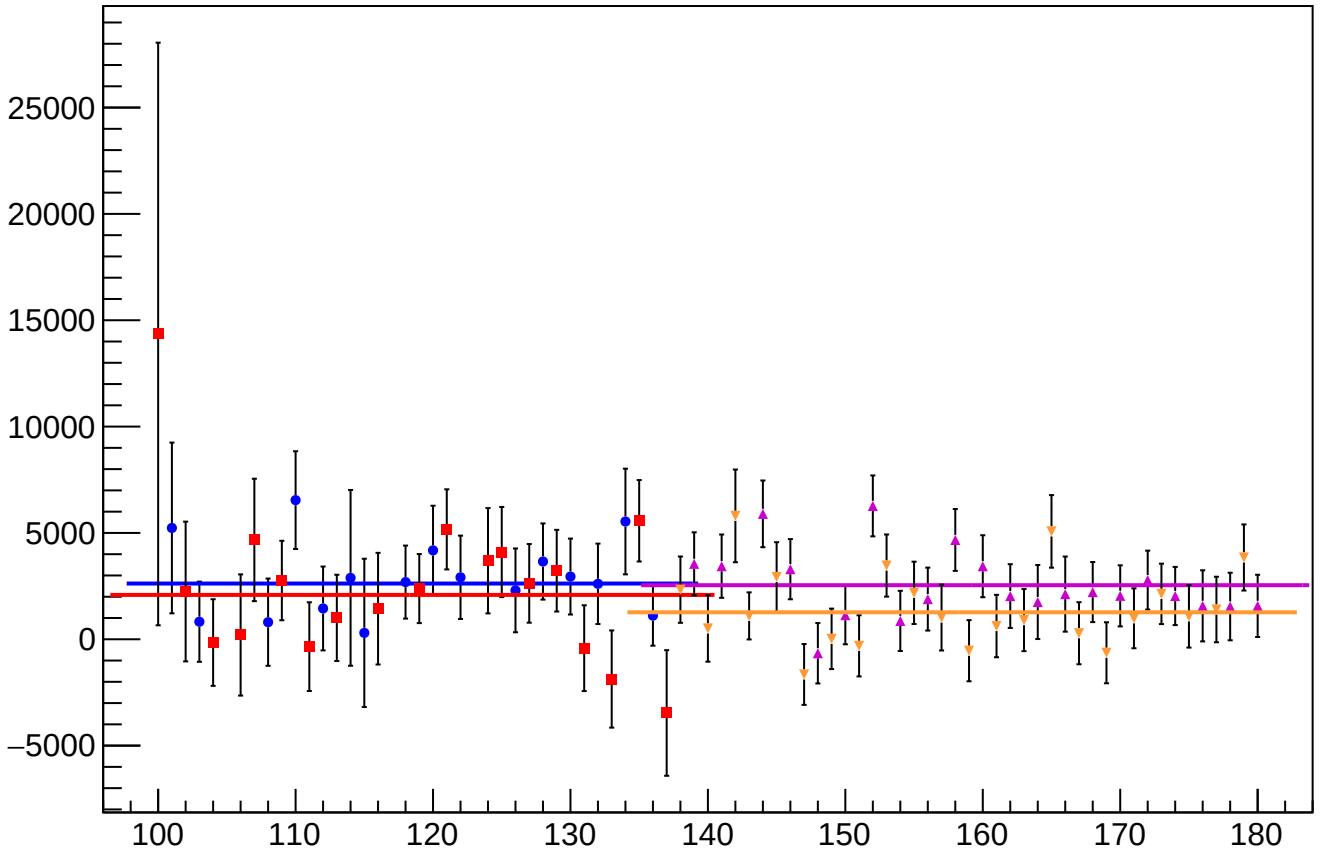
In: 1342.983+/-0.193 χ^2/NDF:547470.1/36

Out: 1321.243+/-0.189 χ^2/NDF:505736.2/40

All: 1331.884+/-0.135 χ^2/NDF: 1059677.4/77


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
180
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -297.584+/-1186.125 χ²/NDF:27.2/21
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 66.099+/-1253.142 χ²/NDF:12.6/20
Left: -125.727+/-861.435 χ²/NDF: 39.8/42
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -409.439+/-935.043 χ²/NDF:27.5/36
Out: 28.917+/-844.446 χ²/NDF:43.6/40
All: -168.001+/-626.702 χ²/NDF: 71.2/77


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4785.621+/-0.839 χ²/NDF:1988941.1/21
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5099.287+/-0.886 χ²/NDF:1135232.9/20
Left: 4933.843+/-0.609 χ²/NDF: 3190266.0/42
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4446.041+/-0.661 χ²/NDF:3306270.6/36
Out: 3939.788+/-0.597 χ²/NDF:5889952.4/40
All: 4167.207+/-0.443 χ²/NDF: 9519131.7/77



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.326+/-315.300 χ^2/NDF:27.1/21

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2542.642+/-322.952 χ^2/NDF:24.6/20

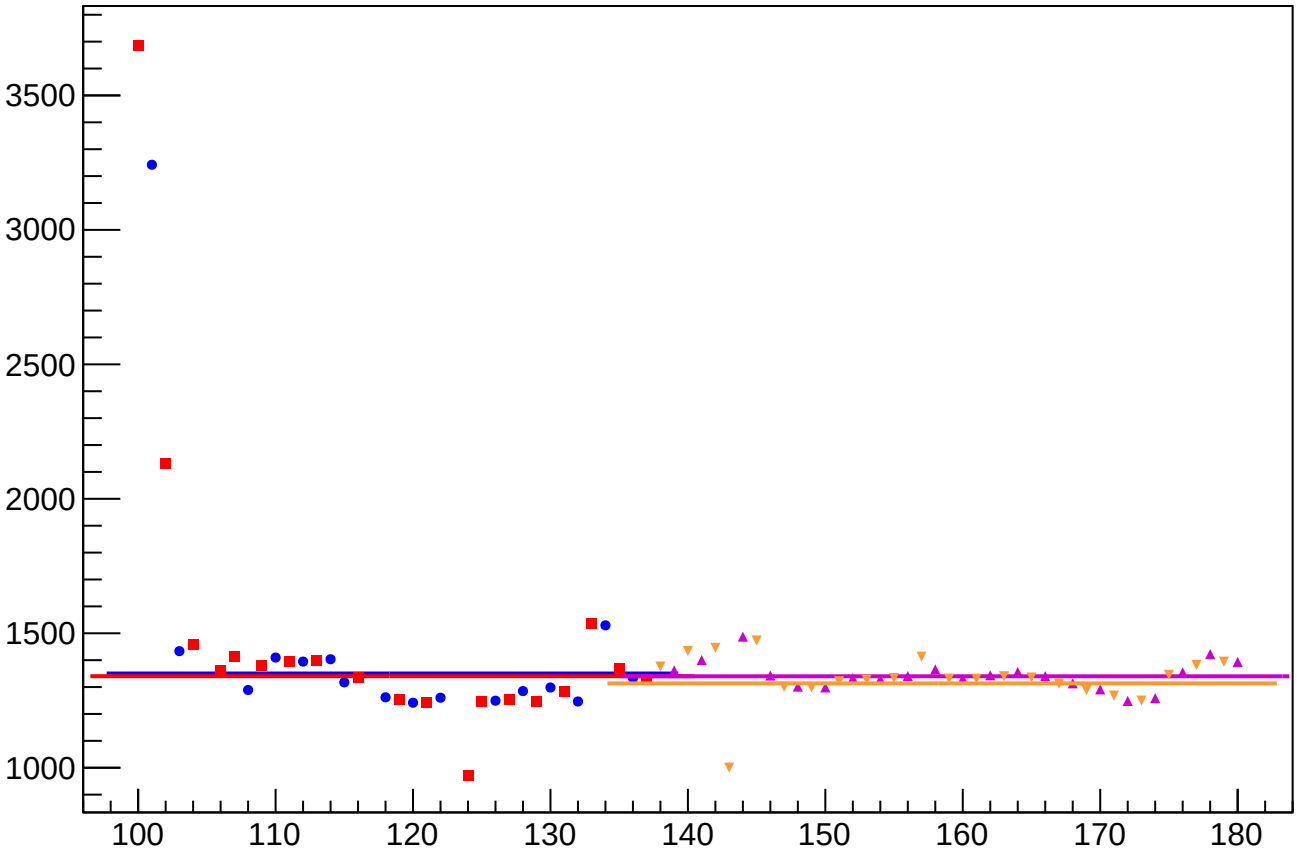
Left: 1890.207+/-225.608 χ^2/NDF: 59.7/42

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2564.842+/-273.078 χ^2/NDF:33.9/36

Out: 1497.643+/-267.432 χ^2/NDF:50.0/40

All: 2020.096+/-191.068 χ^2/NDF: 91.7/77



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1313.753+/-0.223 χ^2/NDF:229534.6/21

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1340.040+/-0.228 χ^2/NDF:52838.2/20

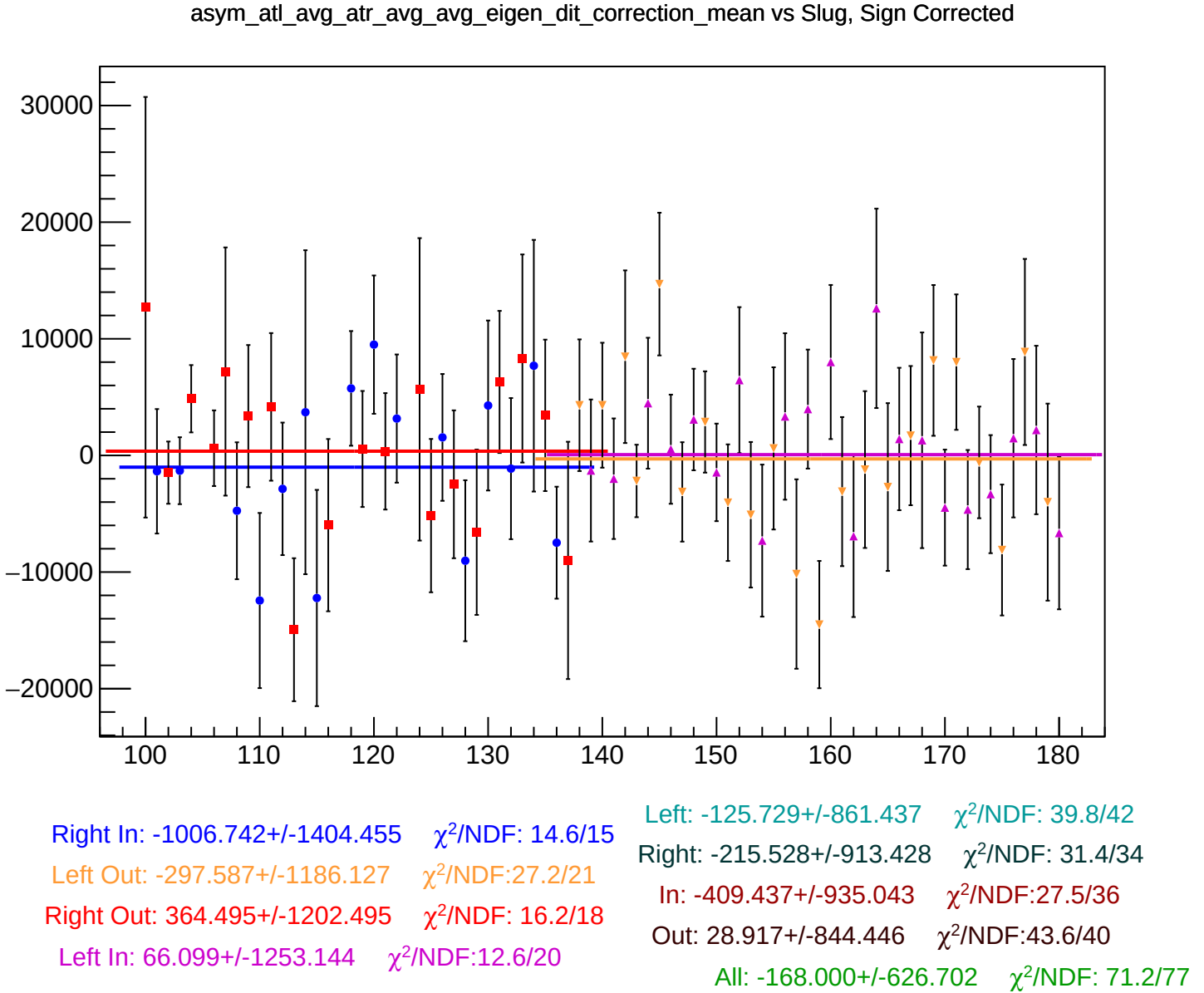
Left: 1326.581+/-0.160 χ^2/NDF: 289157.0/42

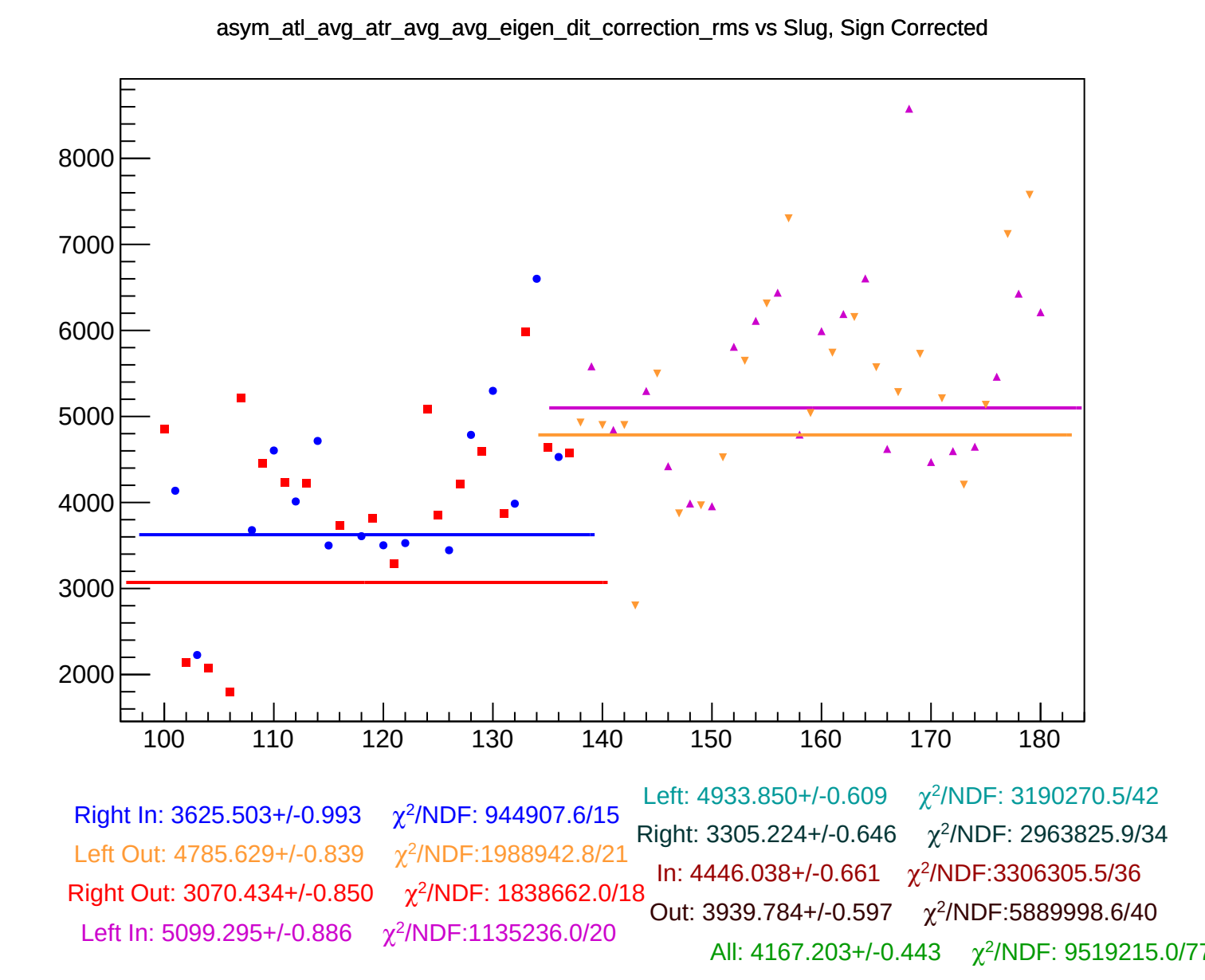
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1342.984+/-0.193 χ^2/NDF:547472.5/36

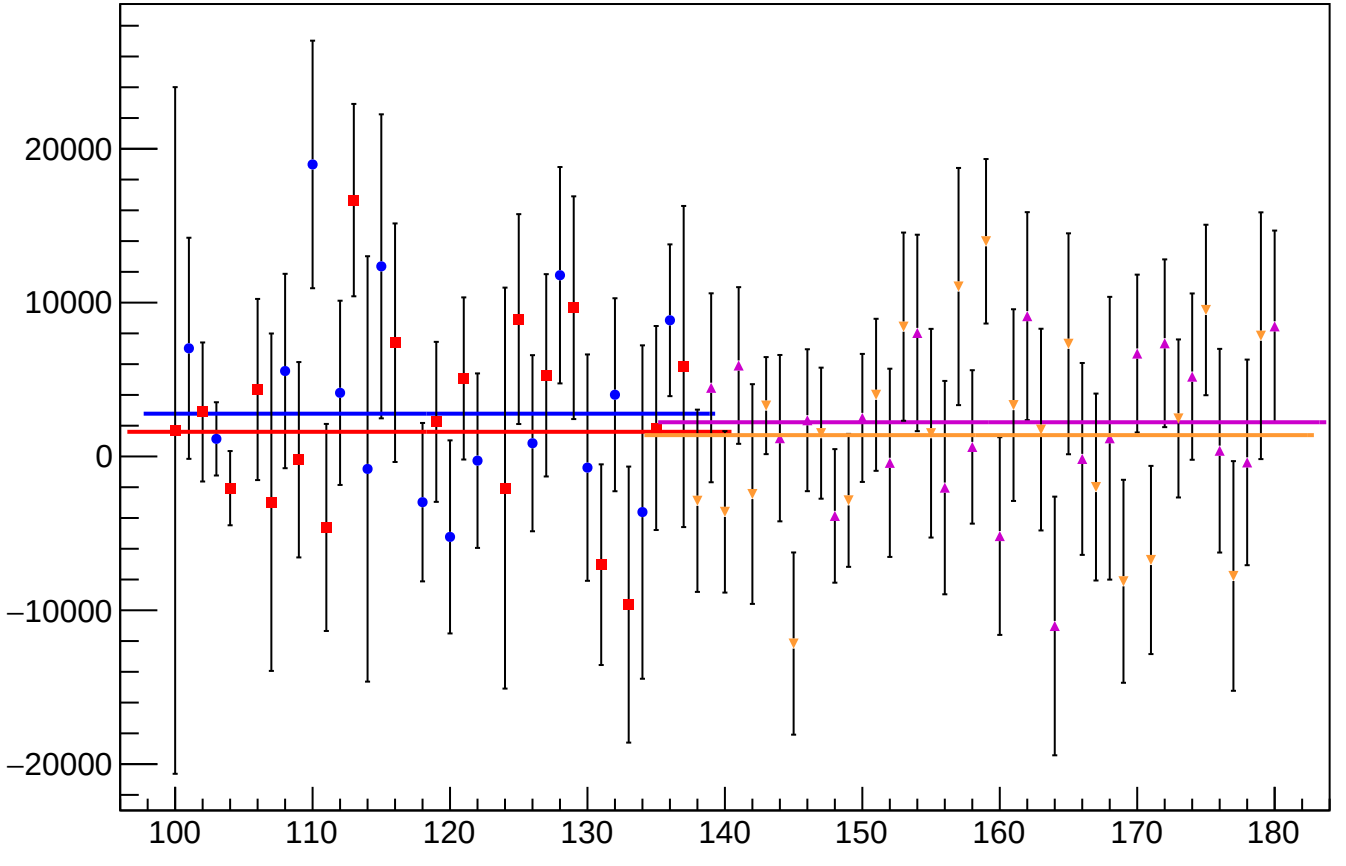
Out: 1321.244+/-0.189 χ^2/NDF:505737.4/40

All: 1331.885+/-0.135 χ^2/NDF: 1059681.0/77


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -297.587+/-1186.127 χ²/NDF:27.2/21
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 66.099+/-1253.144 χ²/NDF:12.6/20
Left: -125.729+/-861.437 χ²/NDF: 39.8/42
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -409.437+/-935.043 χ²/NDF:27.5/36
Out: 28.917+/-844.446 χ²/NDF:43.6/40
All: -168.000+/-626.702 χ²/NDF: 71.2/77


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
180
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4785.629+/-0.839 χ²/NDF:1988942.8/21
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 5099.295+/-0.886 χ²/NDF:1135236.0/20
Left: 4933.850+/-0.609 χ²/NDF: 3190270.5/42
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4446.038+/-0.661 χ²/NDF:3306305.5/36
Out: 3939.784+/-0.597 χ²/NDF:5889998.6/40
All: 4167.203+/-0.443 χ²/NDF: 9519215.0/77

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1386.063+/-1184.777 χ^2/NDF:26.3/21

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2223.929+/-1246.139 χ^2/NDF:12.3/20

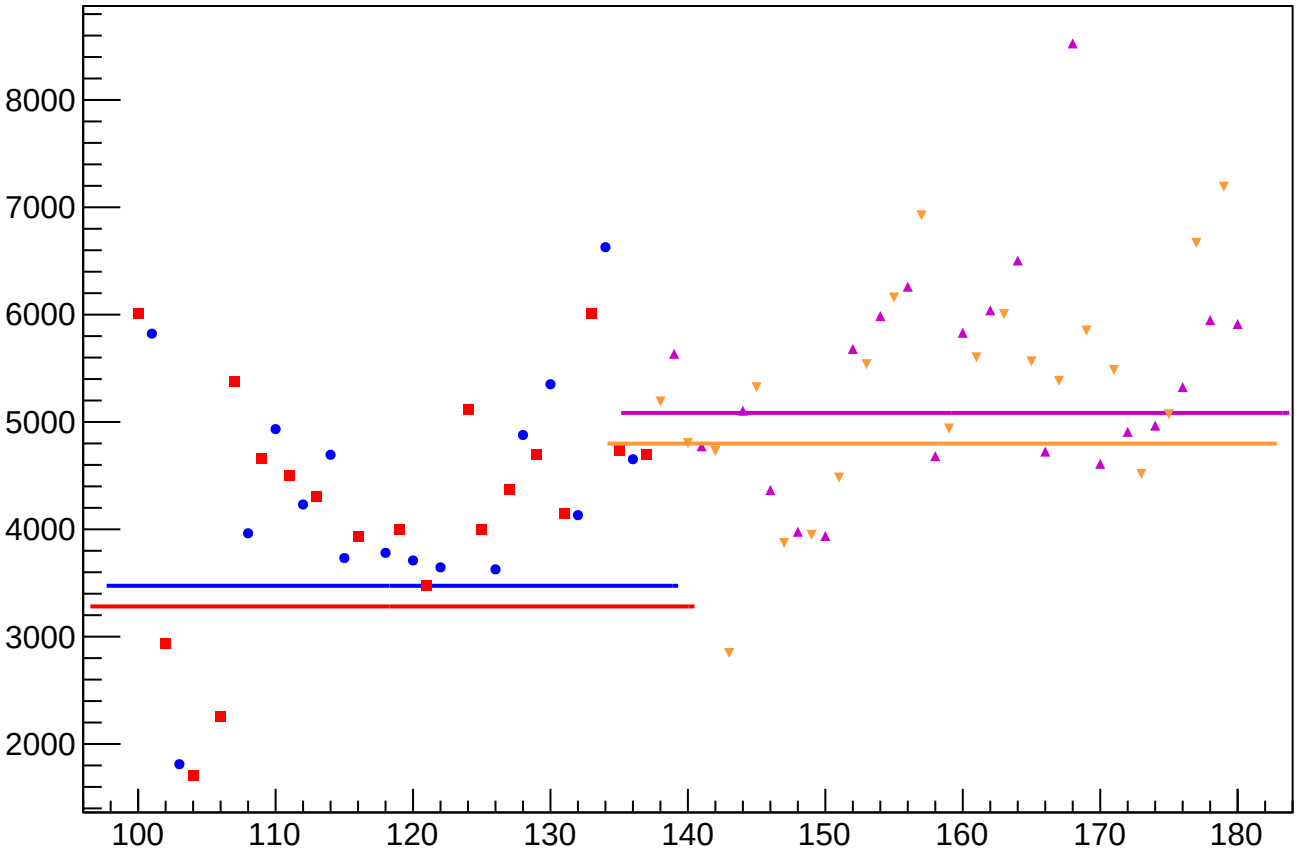
Left: 1783.860+/-858.637 χ^2/NDF: 38.9/42

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2472.211+/-927.693 χ^2/NDF:25.6/36

Out: 1481.318+/-886.725 χ^2/NDF:43.1/40

All: 1954.403+/-641.003 χ^2/NDF: 69.3/77



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4798.827+/-0.838 χ^2/NDF:1766290.1/21

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5084.315+/-0.881 χ^2/NDF:986348.1/20

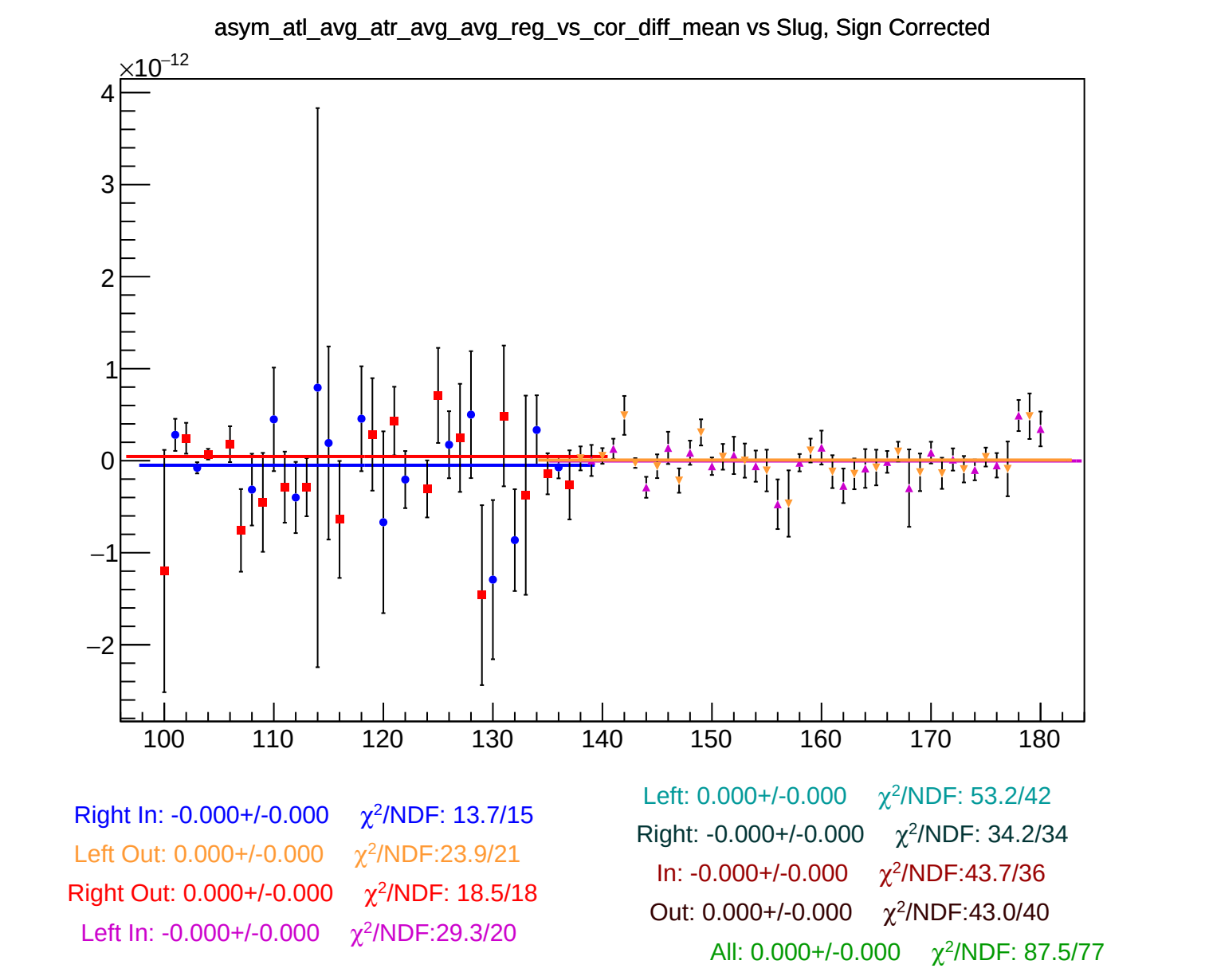
Left: 4934.369+/-0.607 χ^2/NDF: 2807772.2/42

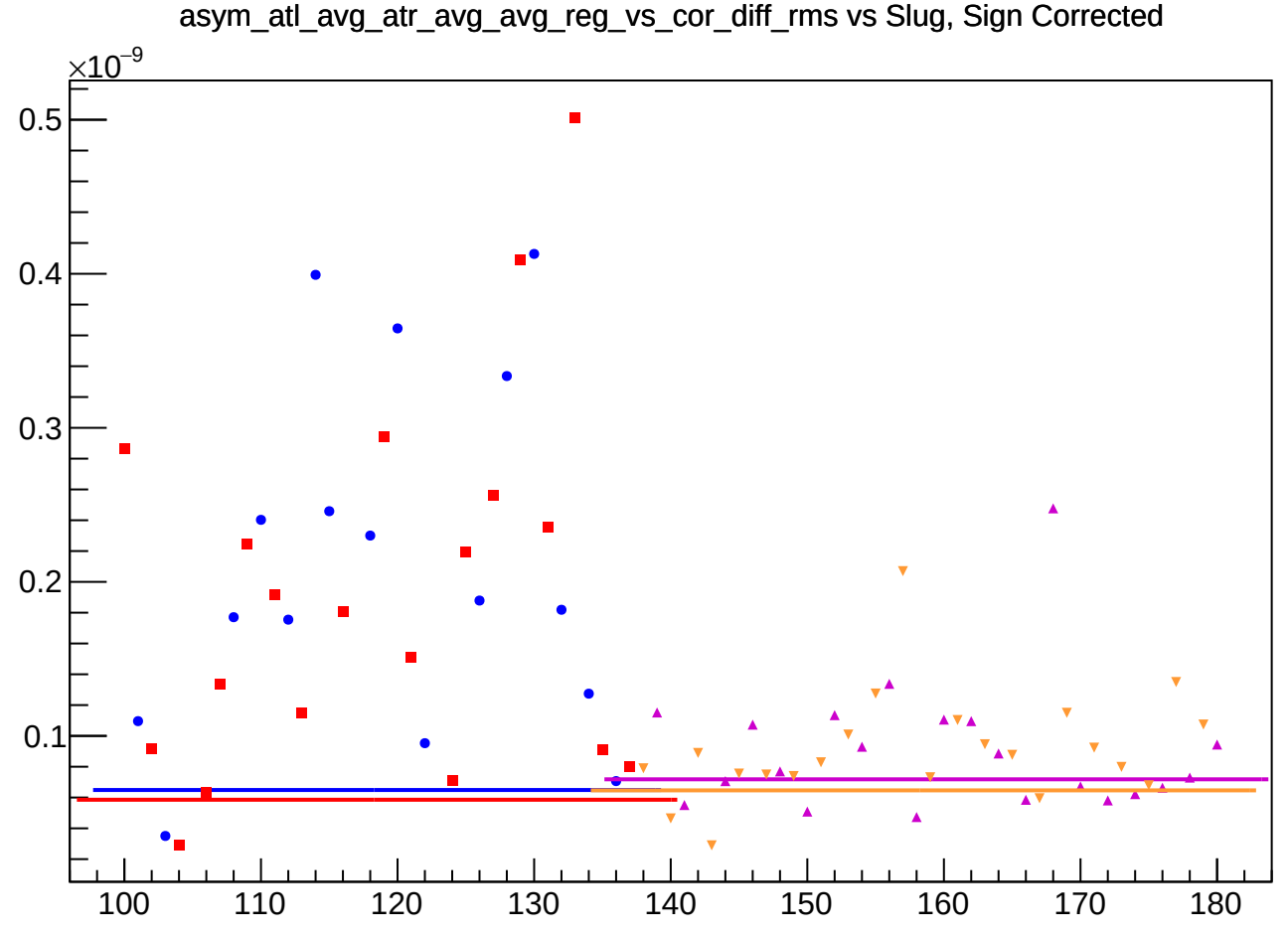
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4366.403+/-0.656 χ^2/NDF:4319354.1/36

Out: 4121.118+/-0.623 χ^2/NDF:5106948.2/40

All: 4237.479+/-0.452 χ^2/NDF: 9499792.7/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:23.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:29.3/20
Left: 0.000+/-0.000 χ²/NDF: 53.2/42
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:43.7/36
Out: 0.000+/-0.000 χ²/NDF:43.0/40
All: 0.000+/-0.000 χ²/NDF: 87.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2272442.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1349130.1/20

Left: 0.000+/-0.000 χ^2/NDF: 3682601.9/42

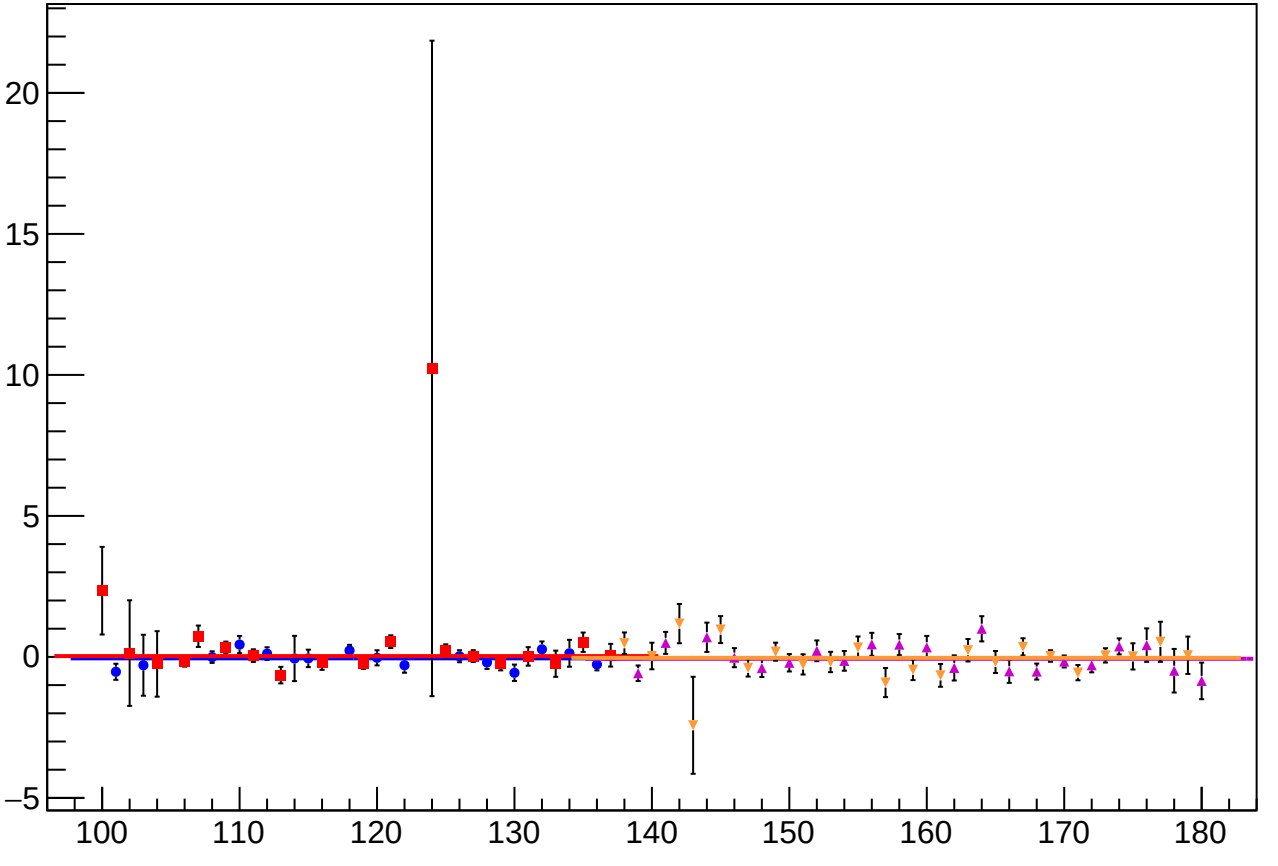
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3971351.6/36

Out: 0.000+/-0.000 χ^2/NDF:5152078.8/40

All: 0.000+/-0.000 χ^2/NDF: 9196999.4/77

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: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.066+/-0.076 χ^2/NDF:29.8/20

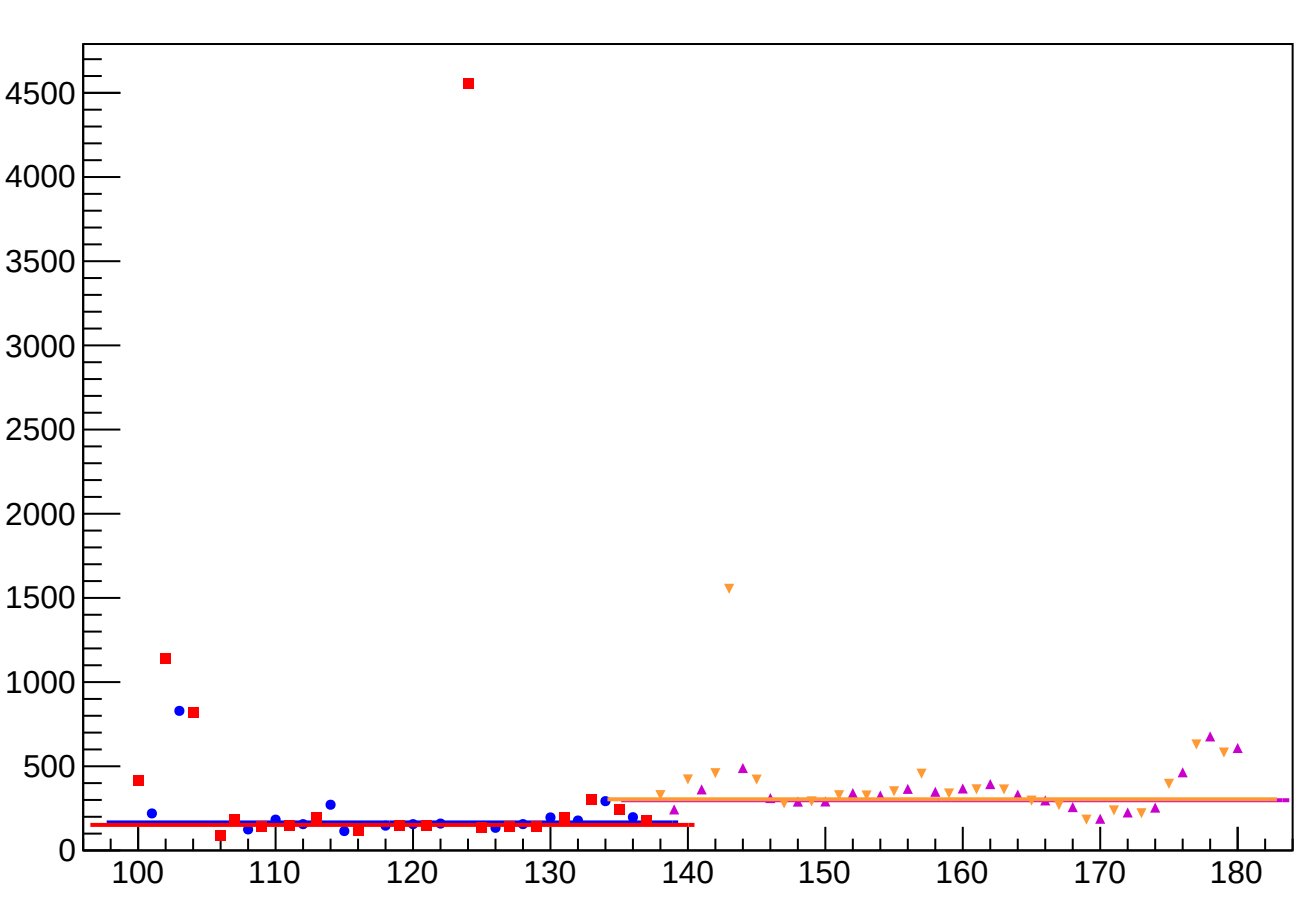
Left: -0.051+/-0.055 χ^2/NDF: 57.8/42

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.058+/-0.050 χ^2/NDF:44.7/36

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.027+/-0.035 χ^2/NDF: 101.3/77



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651448.9/21

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

Left: 301.040+/-0.039 χ^2/NDF: 6243783.3/42

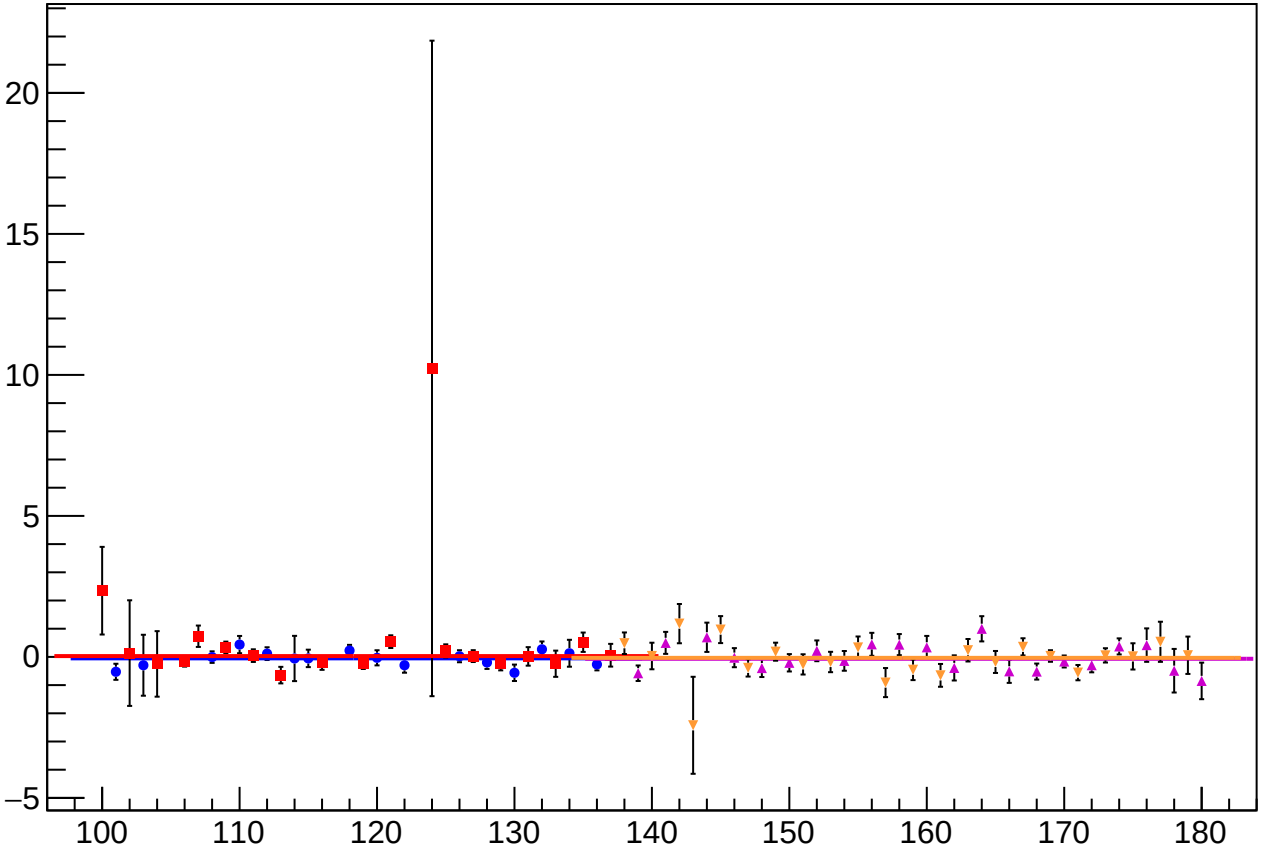
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 223.726+/-0.035 χ^2/NDF:7269029.3/36

Out: 212.794+/-0.035 χ^2/NDF:10496382.1/40

All: 218.193+/-0.025 χ^2/NDF: 17813480.8/77

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.066+/-0.076 χ^2/NDF:29.8/20

Left: -0.051+/-0.055 χ^2/NDF: 57.8/42

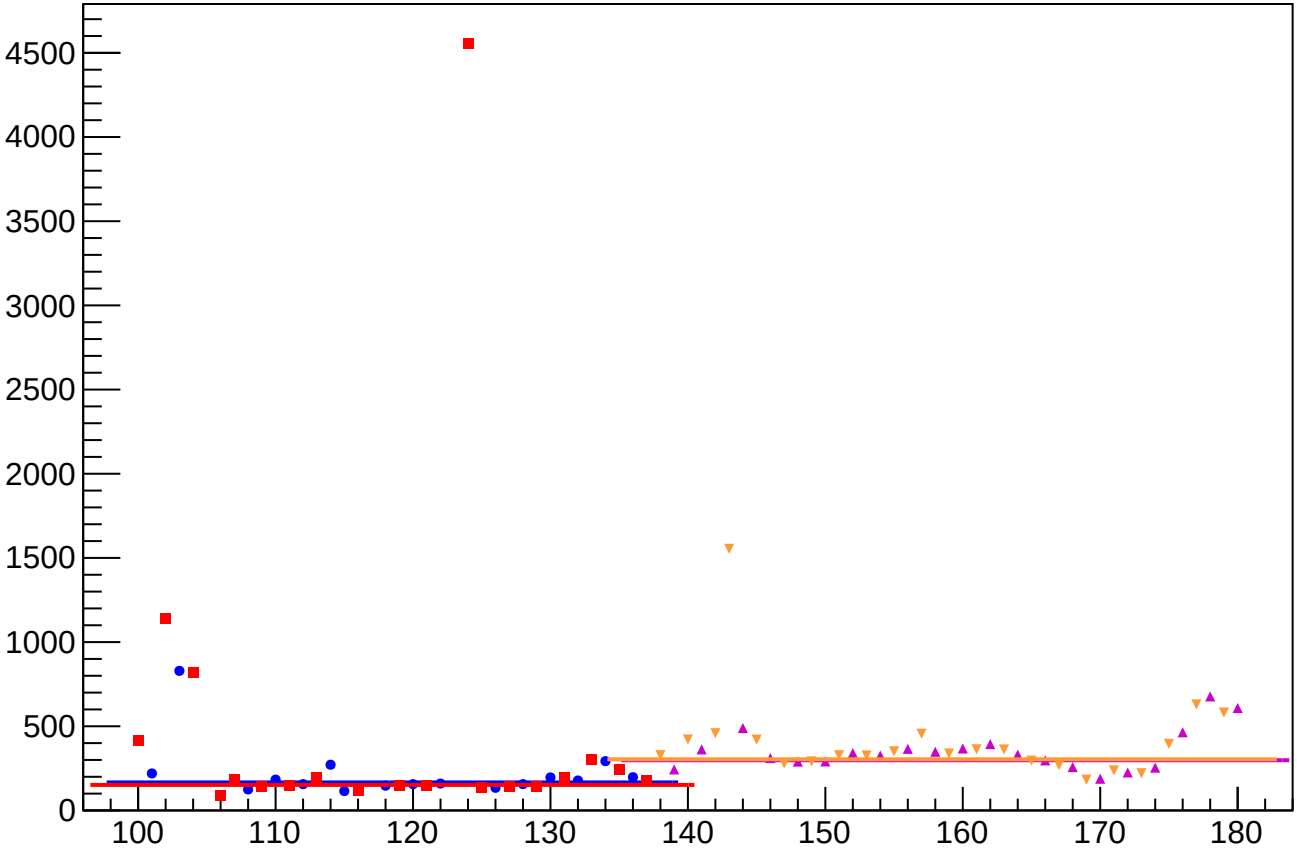
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.058+/-0.050 χ^2/NDF:44.7/36

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.027+/-0.035 χ^2/NDF: 101.3/77

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: 303.956+/-0.055 χ^2/NDF:3651448.9/21

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 298.286+/-0.054 χ^2/NDF:2586936.0/20

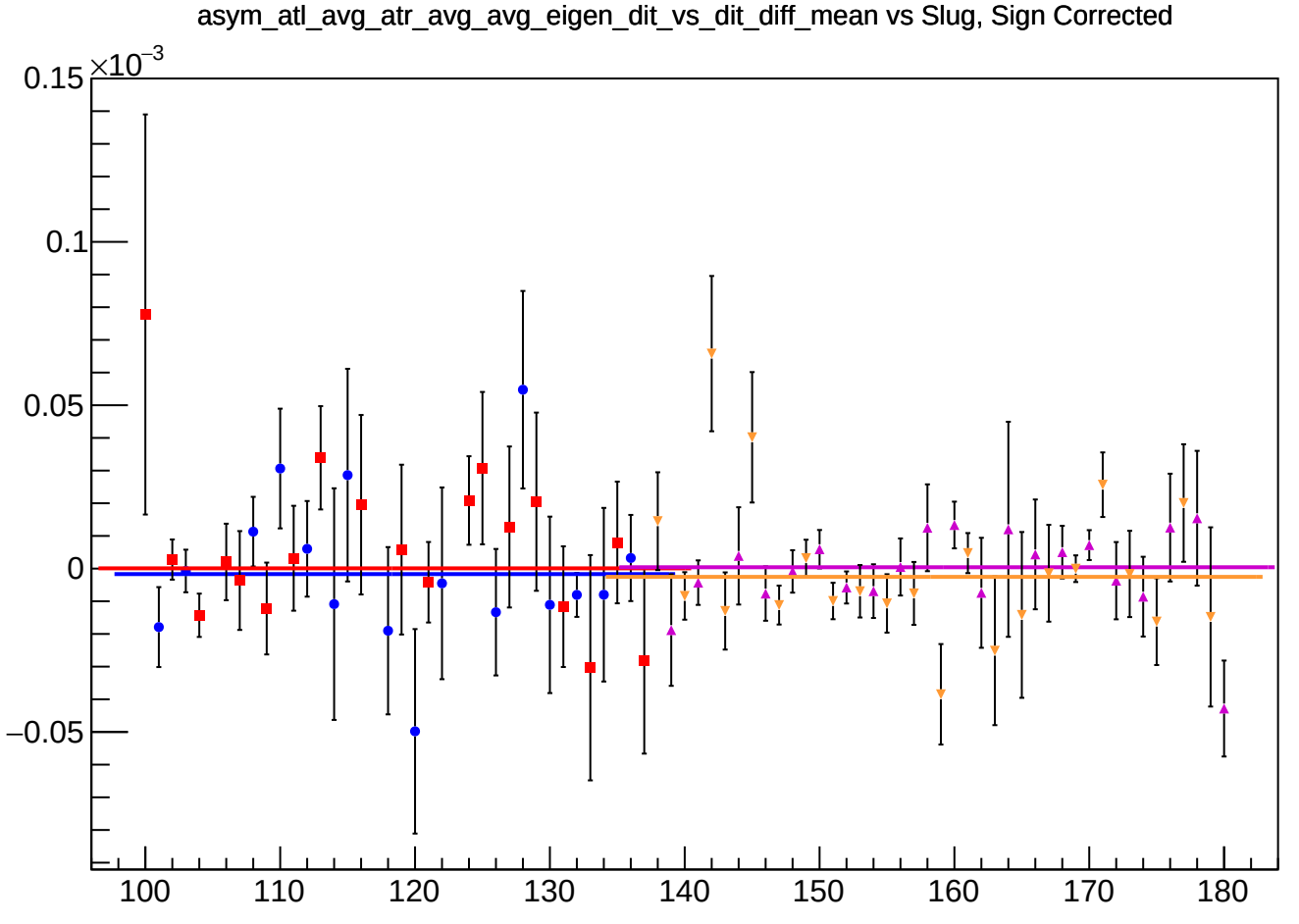
Left: 301.040+/-0.039 χ^2/NDF: 6243783.3/42

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 223.726+/-0.035 χ^2/NDF:7269029.3/36

Out: 212.794+/-0.035 χ^2/NDF:10496382.1/40

All: 218.193+/-0.025 χ^2/NDF: 17813480.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.5/20

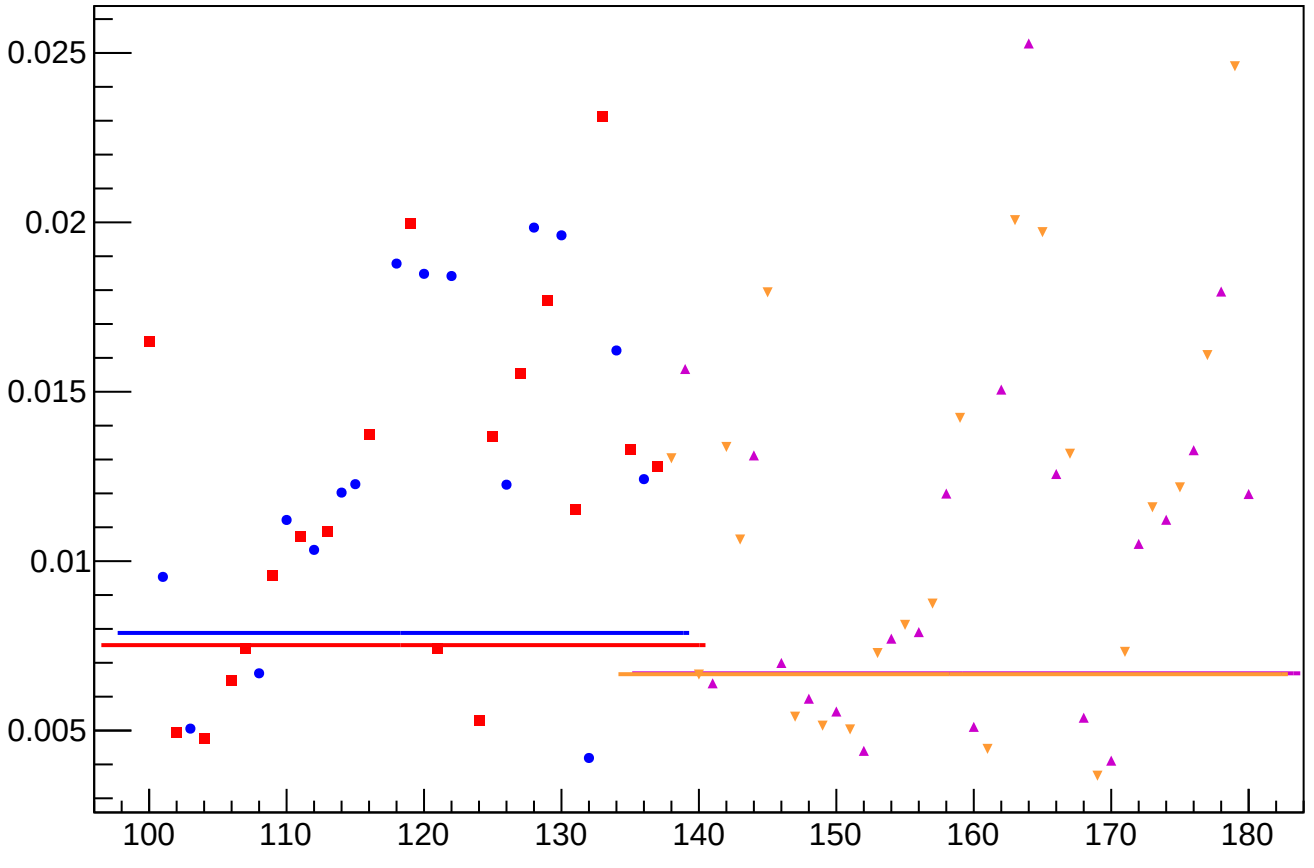
Left: -0.000+/-0.000 χ^2/NDF: 66.0/42

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:39.2/36

Out: -0.000+/-0.000 χ^2/NDF:61.7/40

All: -0.000+/-0.000 χ^2/NDF: 101.6/77



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7413645.1/21

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5682999.3/20

Left: 0.007+/-0.000 χ^2/NDF: 13096832.4/42

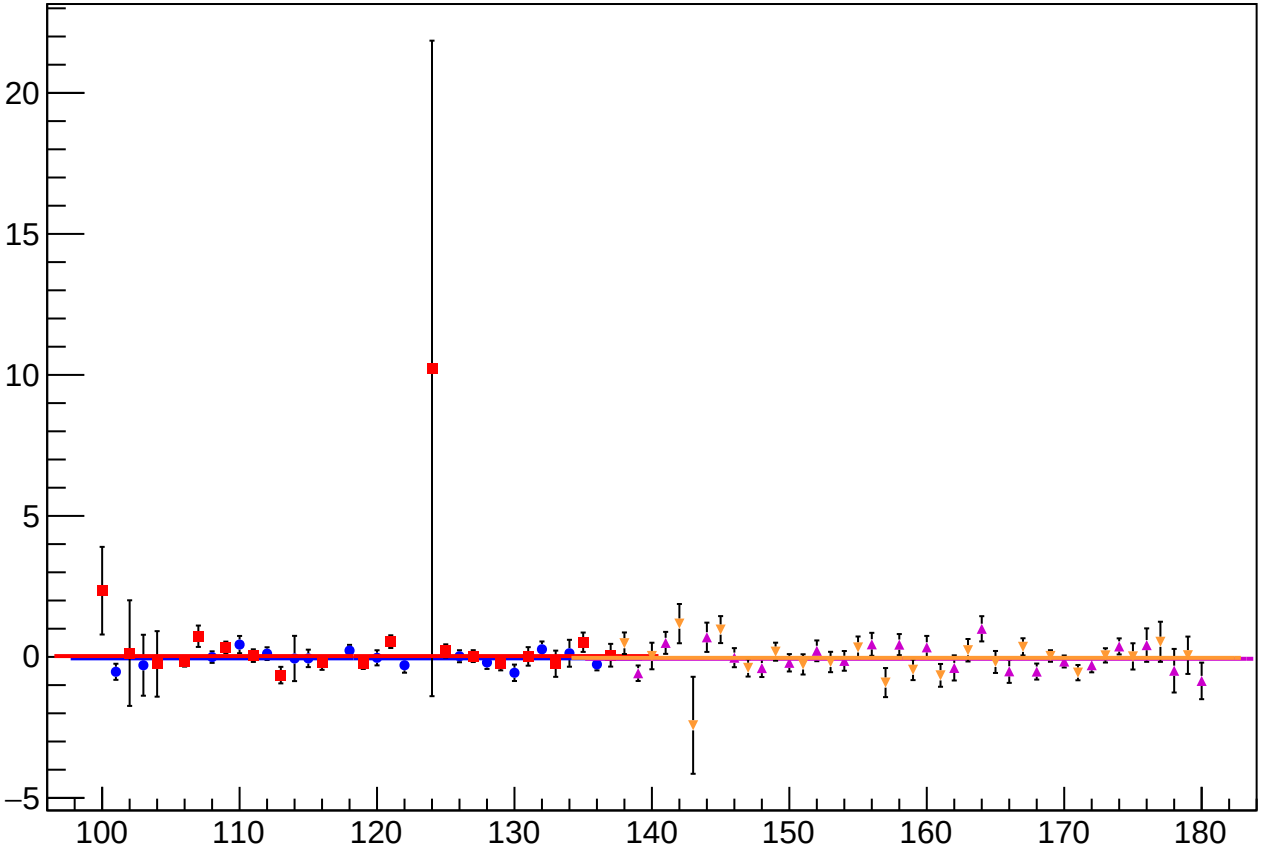
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:9173651.8/36

Out: 0.007+/-0.000 χ^2/NDF:10499793.0/40

All: 0.007+/-0.000 χ^2/NDF: 19675847.3/77

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: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.066+/-0.076 χ^2/NDF:29.8/20

Left: -0.051+/-0.055 χ^2/NDF: 57.8/42

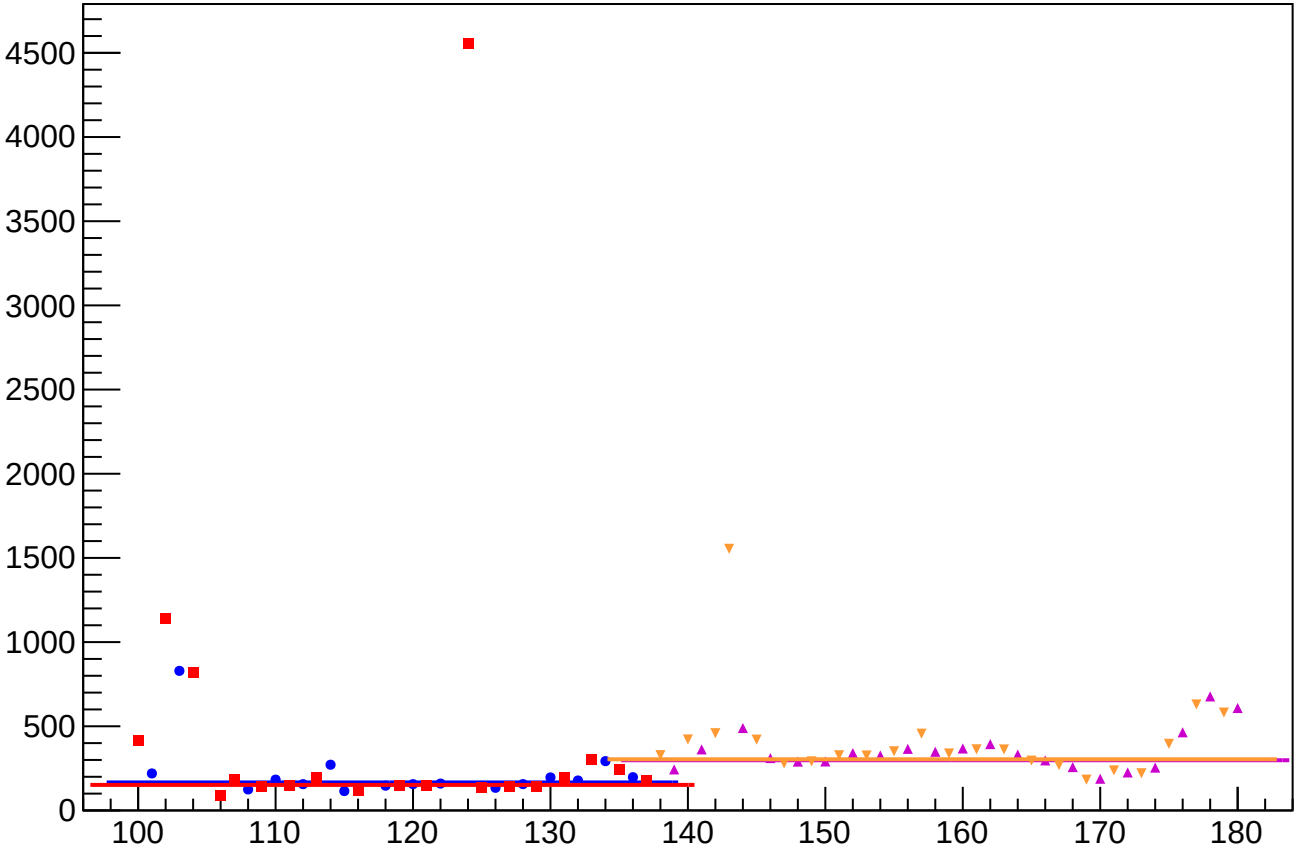
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.058+/-0.050 χ^2/NDF:44.7/36

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.027+/-0.035 χ^2/NDF: 101.3/77

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: 303.956+/-0.055 χ^2/NDF:3651650.8/21

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 298.287+/-0.054 χ^2/NDF:2587079.3/20

Left: 301.041+/-0.039 χ^2/NDF: 6244126.2/42

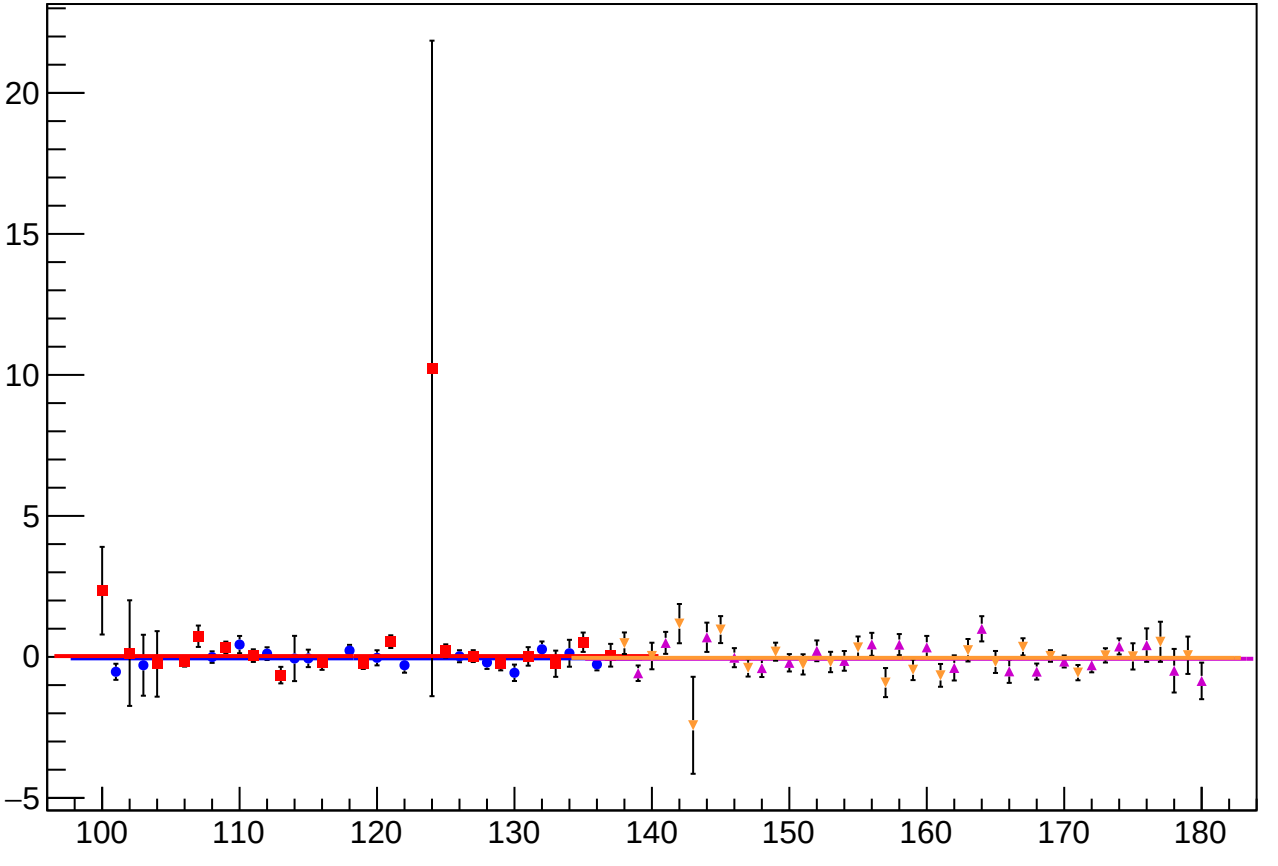
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 223.725+/-0.035 χ^2/NDF:7269255.9/36

Out: 212.793+/-0.035 χ^2/NDF:10496674.6/40

All: 218.192+/-0.025 χ^2/NDF: 17814008.9/77

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: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.066+/-0.076 χ^2/NDF:29.8/20

Left: -0.051+/-0.055 χ^2/NDF: 57.8/42

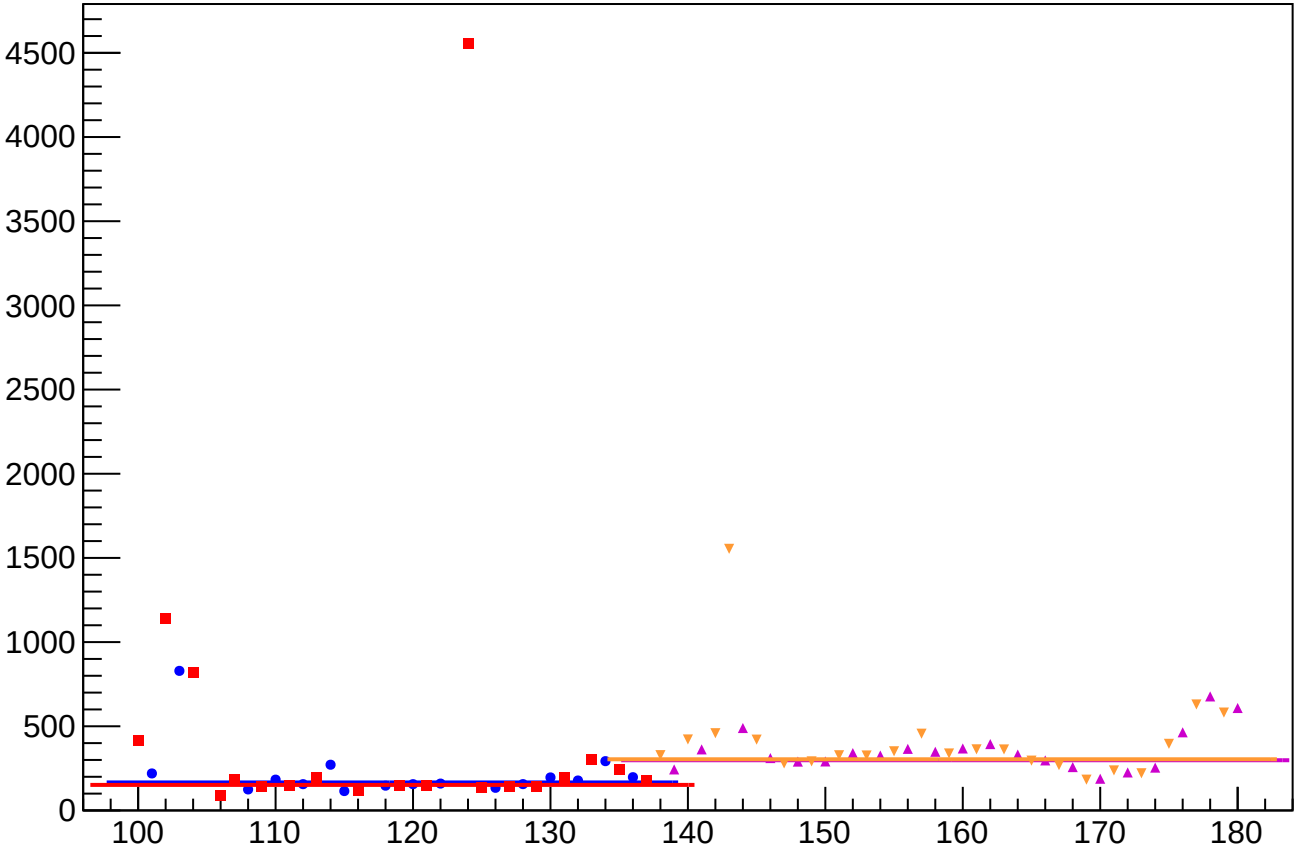
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.058+/-0.050 χ^2/NDF:44.7/36

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.027+/-0.035 χ^2/NDF: 101.3/77

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: 303.956+/-0.055 χ^2/NDF:3651650.8/21

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 298.287+/-0.054 χ^2/NDF:2587079.3/20

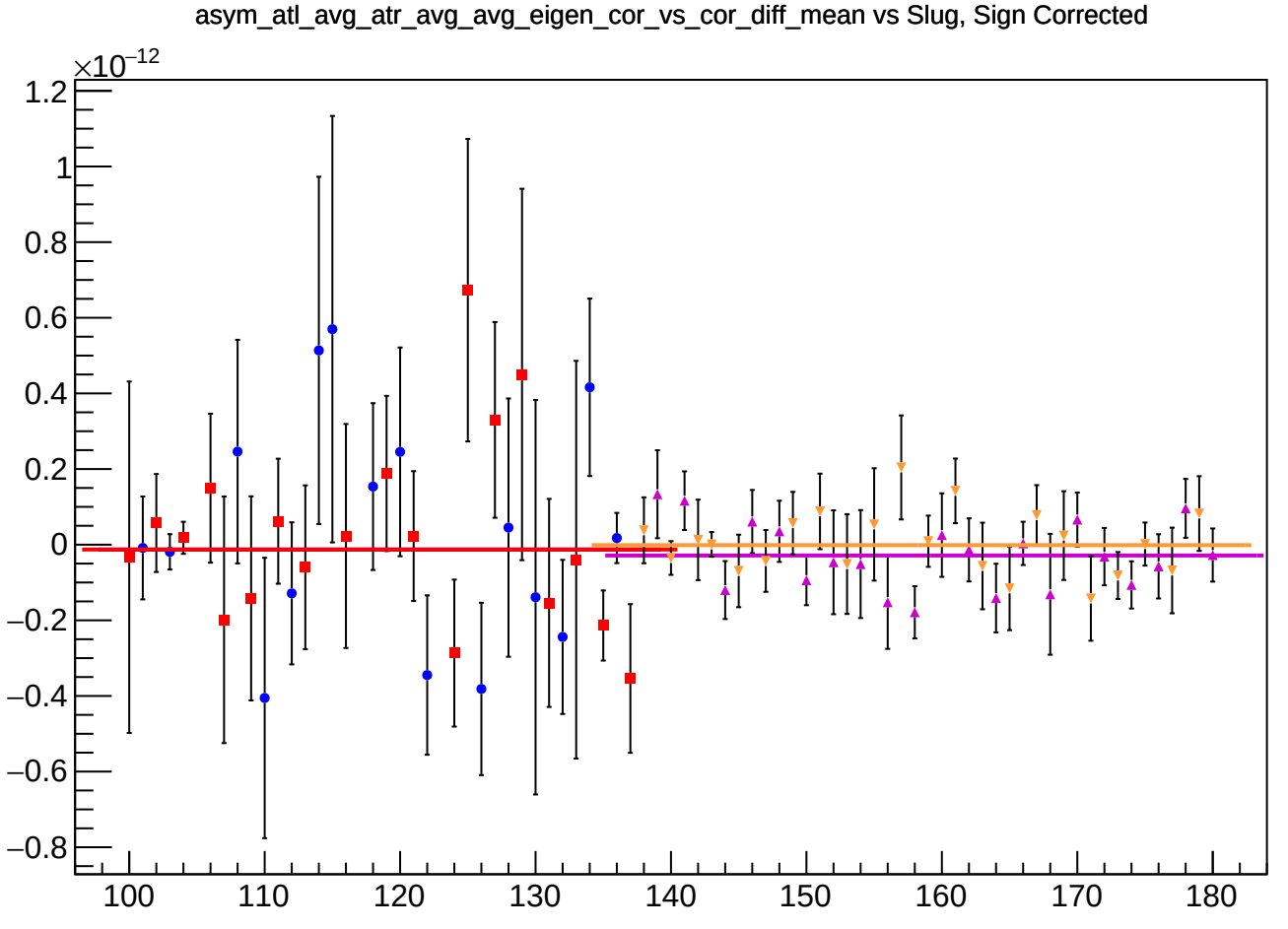
Left: 301.041+/-0.039 χ^2/NDF: 6244126.2/42

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 223.725+/-0.035 χ^2/NDF:7269255.9/36

Out: 212.793+/-0.035 χ^2/NDF:10496674.6/40

All: 218.192+/-0.025 χ^2/NDF: 17814008.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.9/20

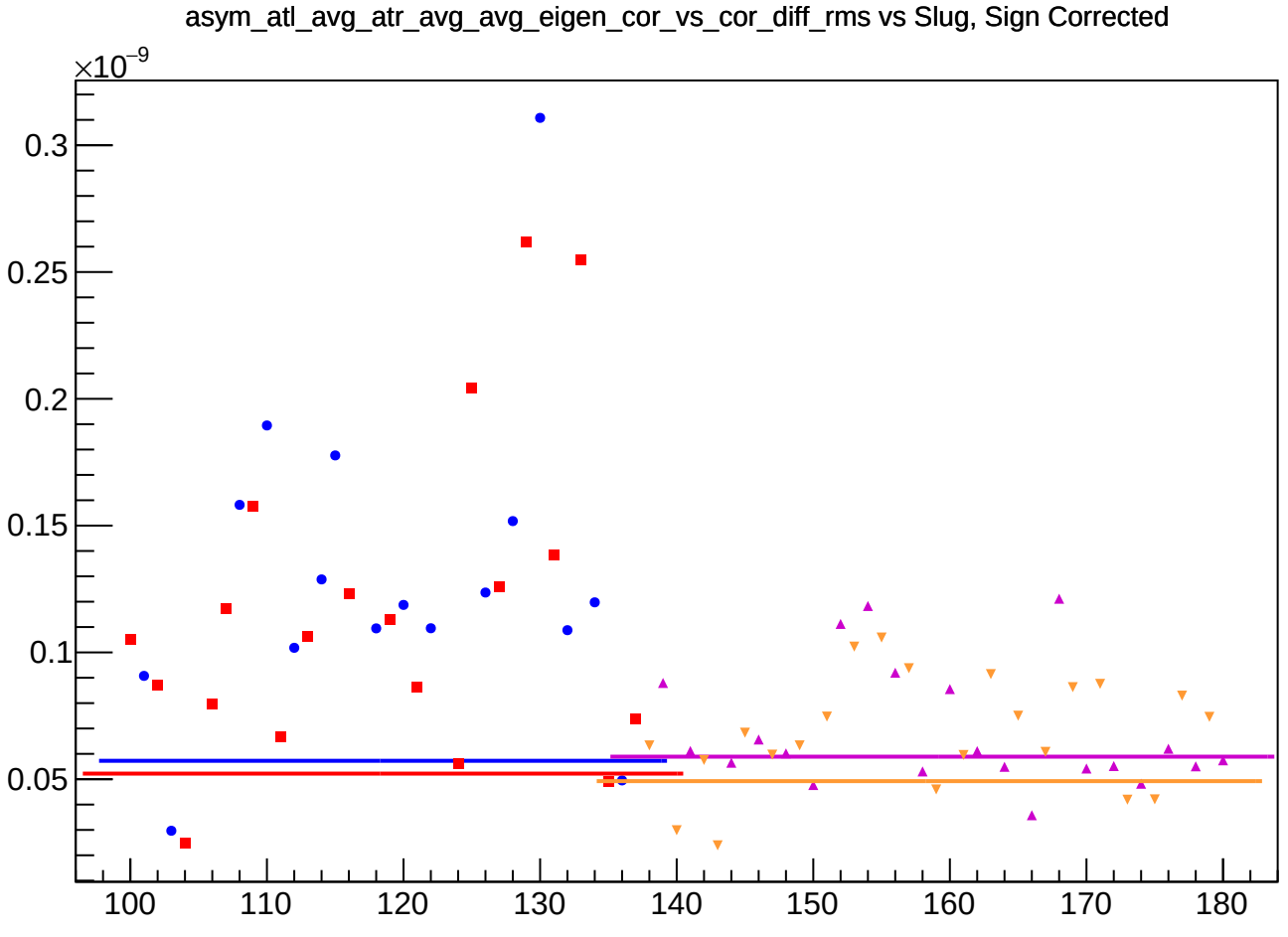
Left: -0.000+/-0.000 χ^2/NDF: 40.1/42

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:40.2/36

Out: -0.000+/-0.000 χ^2/NDF:33.9/40

All: -0.000+/-0.000 χ^2/NDF: 75.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4030245.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1825982.2/20

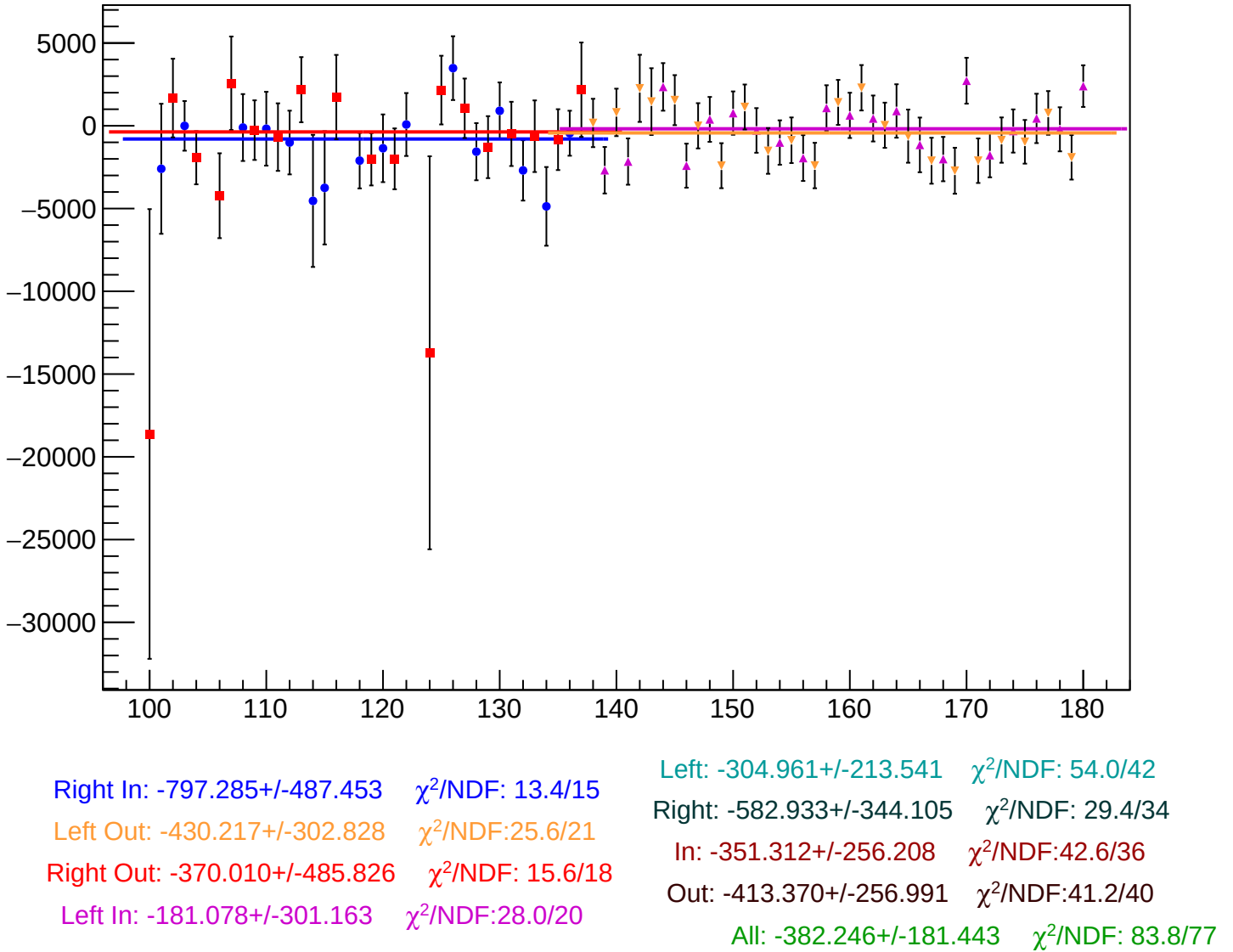
Left: 0.000+/-0.000 χ^2/NDF: 6179825.2/42

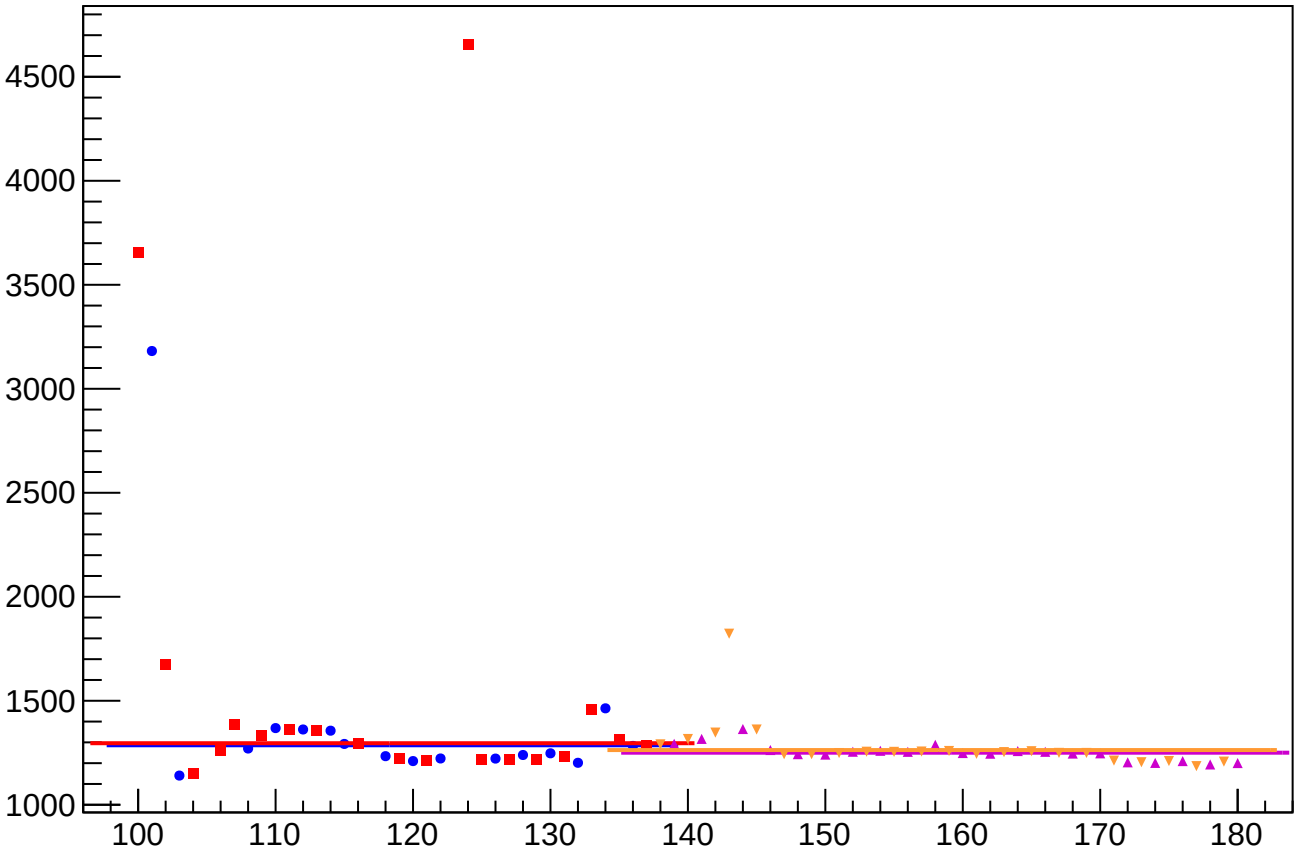
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4812879.7/36

Out: 0.000+/-0.000 χ^2/NDF:7332185.4/40

All: 0.000+/-0.000 χ^2/NDF: 12478878.3/77


reg_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
180
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -430.217+/-302.828 χ²/NDF:25.6/21
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -181.078+/-301.163 χ²/NDF:28.0/20
Left: -304.961+/-213.541 χ²/NDF: 54.0/42
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -351.312+/-256.208 χ²/NDF:42.6/36
Out: -413.370+/-256.991 χ²/NDF:41.2/40
All: -382.246+/-181.443 χ²/NDF: 83.8/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

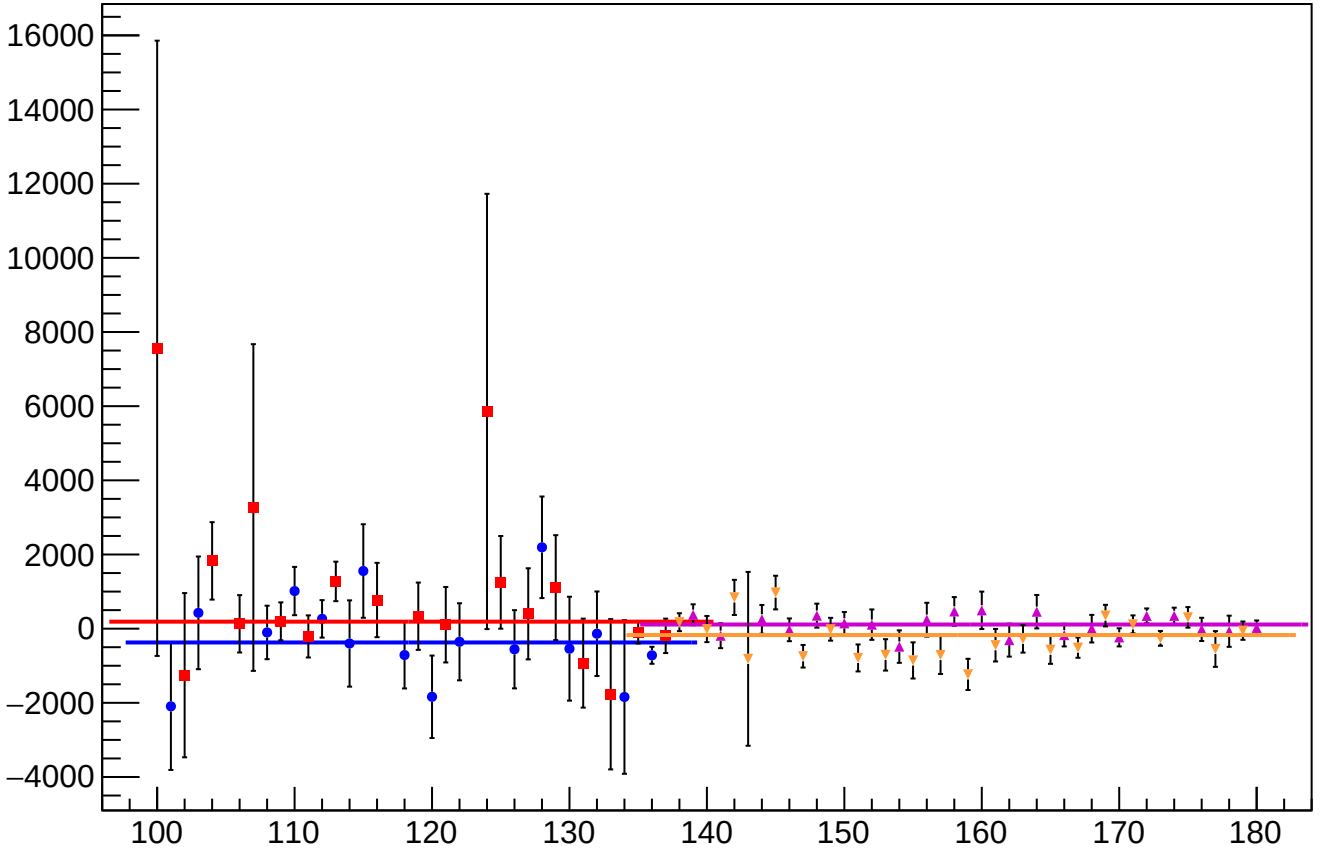
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1260.234+/-0.181 χ^2/NDF:560337.3/36

Out: 1272.200+/-0.182 χ^2/NDF:526127.2/40

All: 1266.199+/-0.128 χ^2/NDF: 1088639.1/77

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: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.029+/-67.902 χ^2/NDF:13.5/20

Left: -25.203+/-48.786 χ^2/NDF: 64.7/42

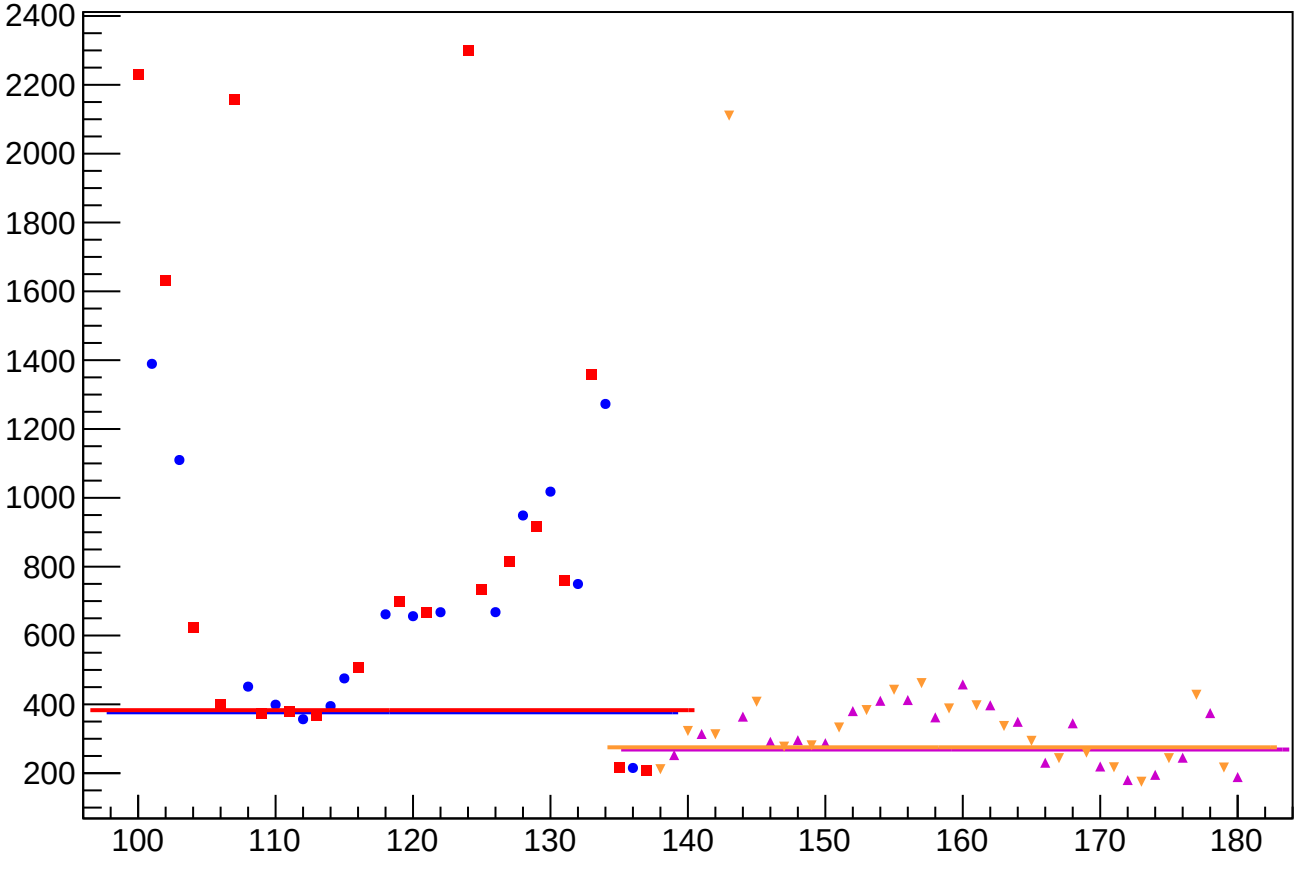
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 44.157+/-62.965 χ^2/NDF:38.7/36

Out: -118.951+/-64.813 χ^2/NDF:61.3/40

All: -35.038+/-45.162 χ^2/NDF: 103.3/77

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: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

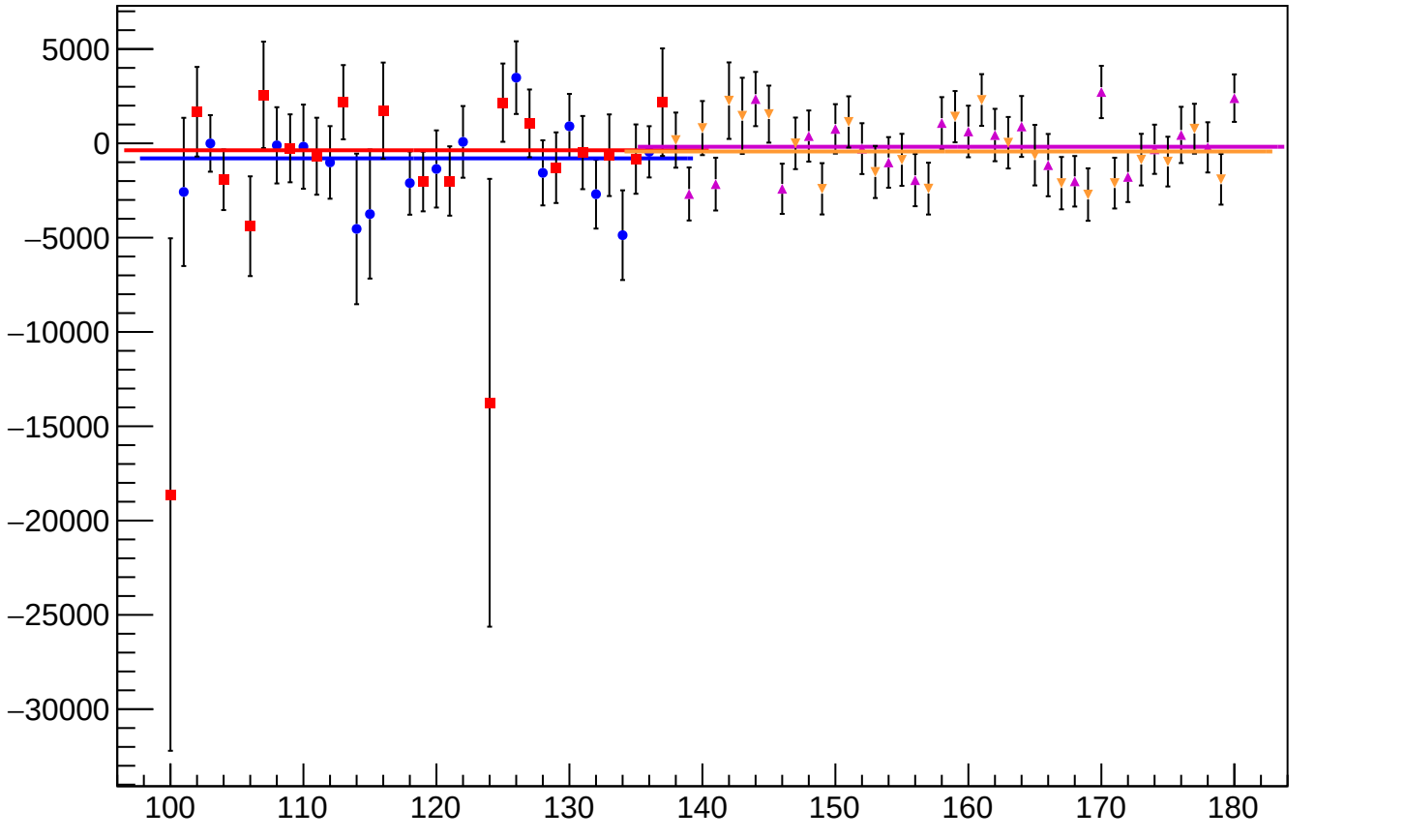
Left: 271.828+/-0.034 χ^2/NDF: 6277104.5/42

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 283.876+/-0.045 χ^2/NDF:7554214.4/36

Out: 290.913+/-0.046 χ^2/NDF:8361624.1/40

All: 287.293+/-0.032 χ^2/NDF: 15927967.3/77



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -181.049+/-301.163 χ^2/NDF:28.0/20

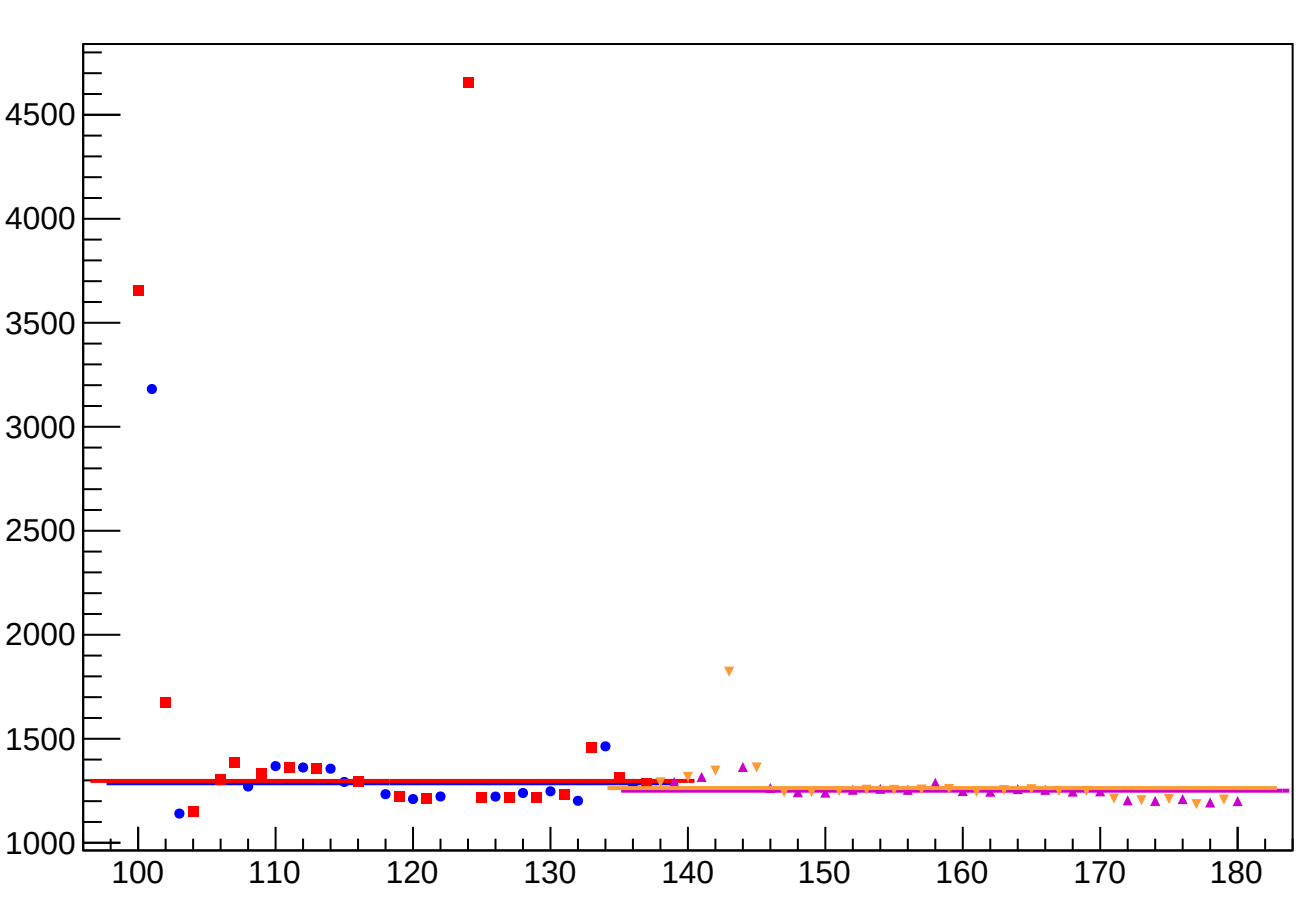
Left: -304.936+/-213.541 χ^2/NDF: 54.0/42

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -351.180+/-256.208 χ^2/NDF:42.6/36

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -381.824+/-181.470 χ^2/NDF: 83.9/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

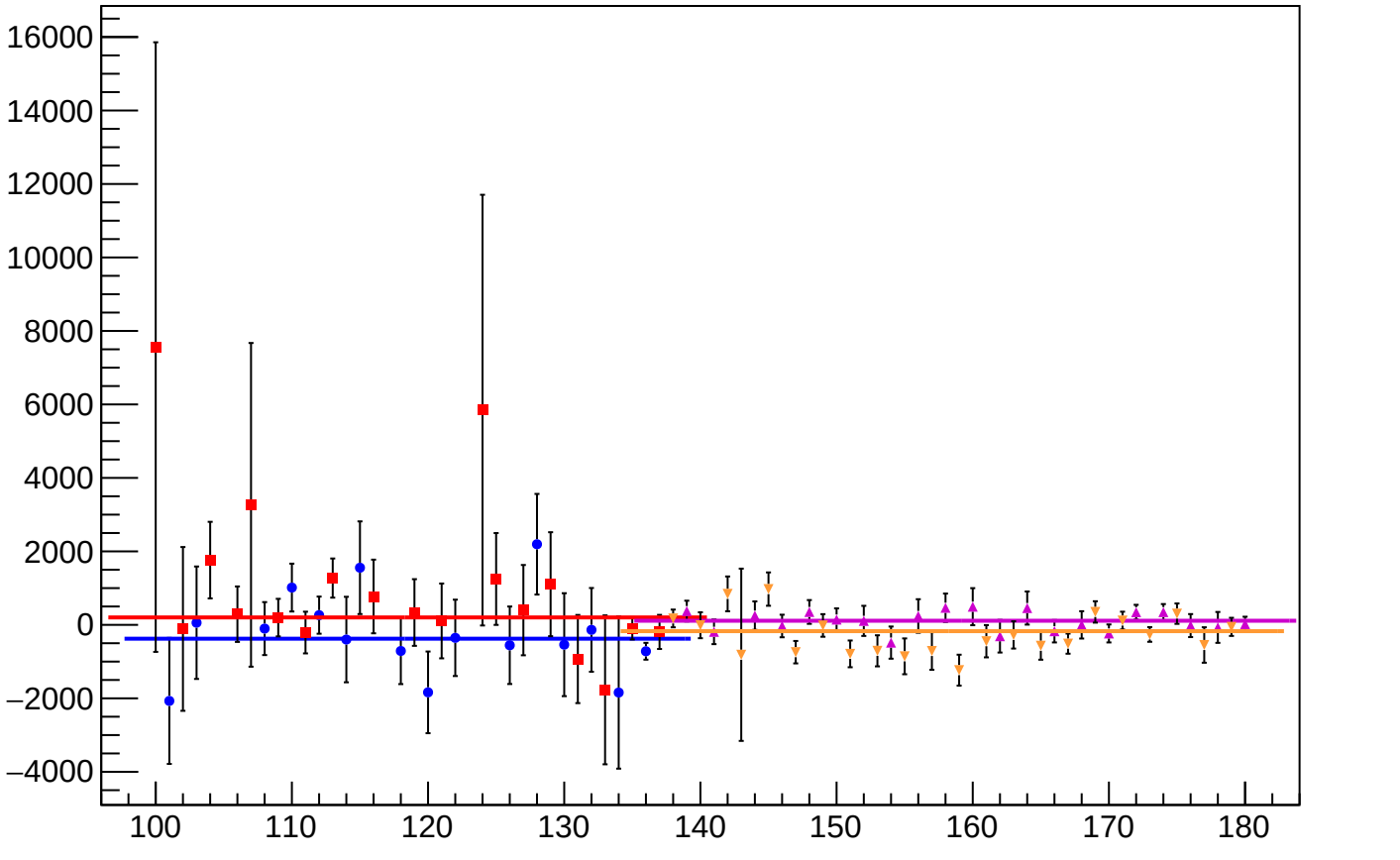
Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1260.234+/-0.181 χ^2/NDF:560338.6/36

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 112.147+/-67.904 χ^2/NDF:13.4/20

Left: -25.154+/-48.787 χ^2/NDF: 64.7/42

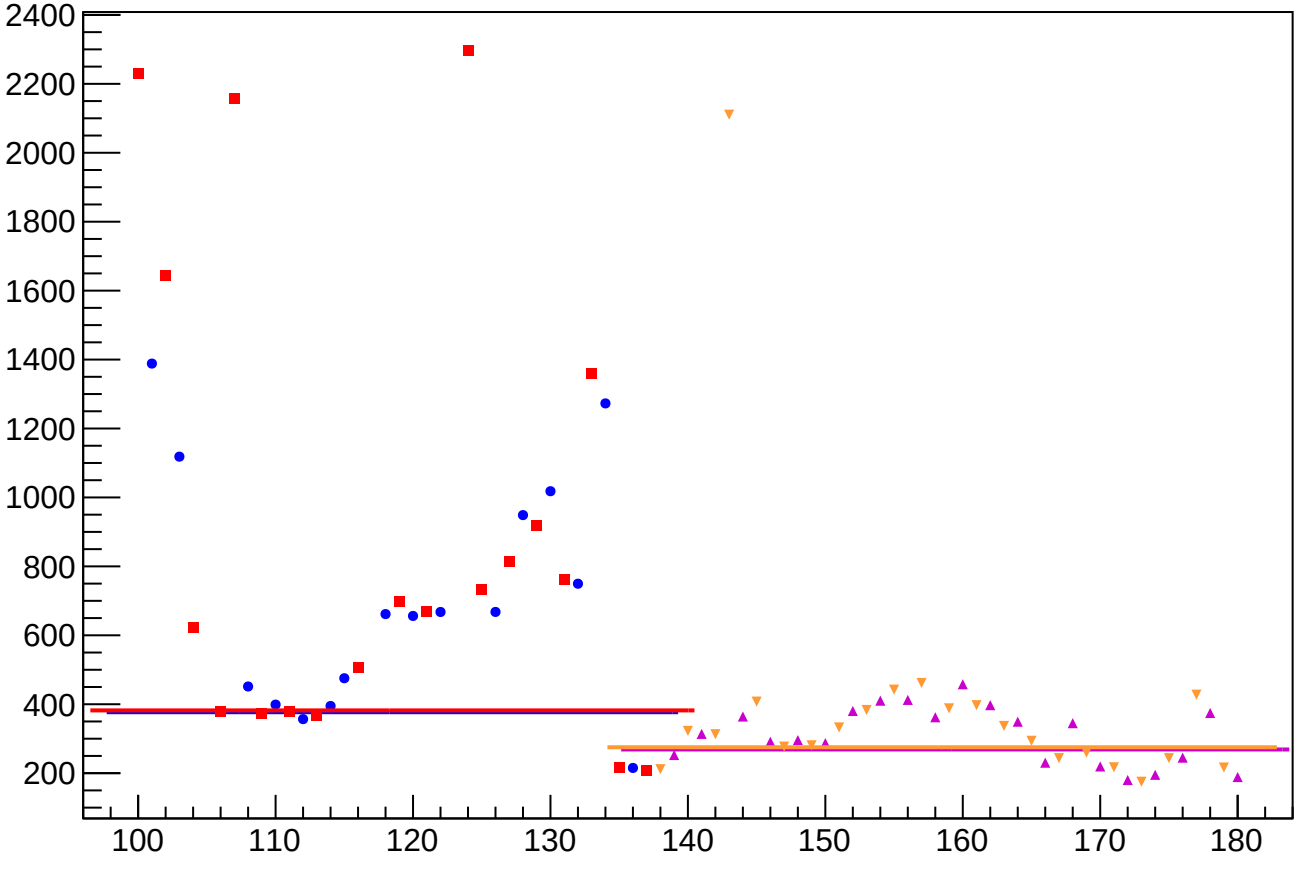
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 43.647+/-62.967 χ^2/NDF:38.6/36

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -34.336+/-45.160 χ^2/NDF: 102.8/77

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

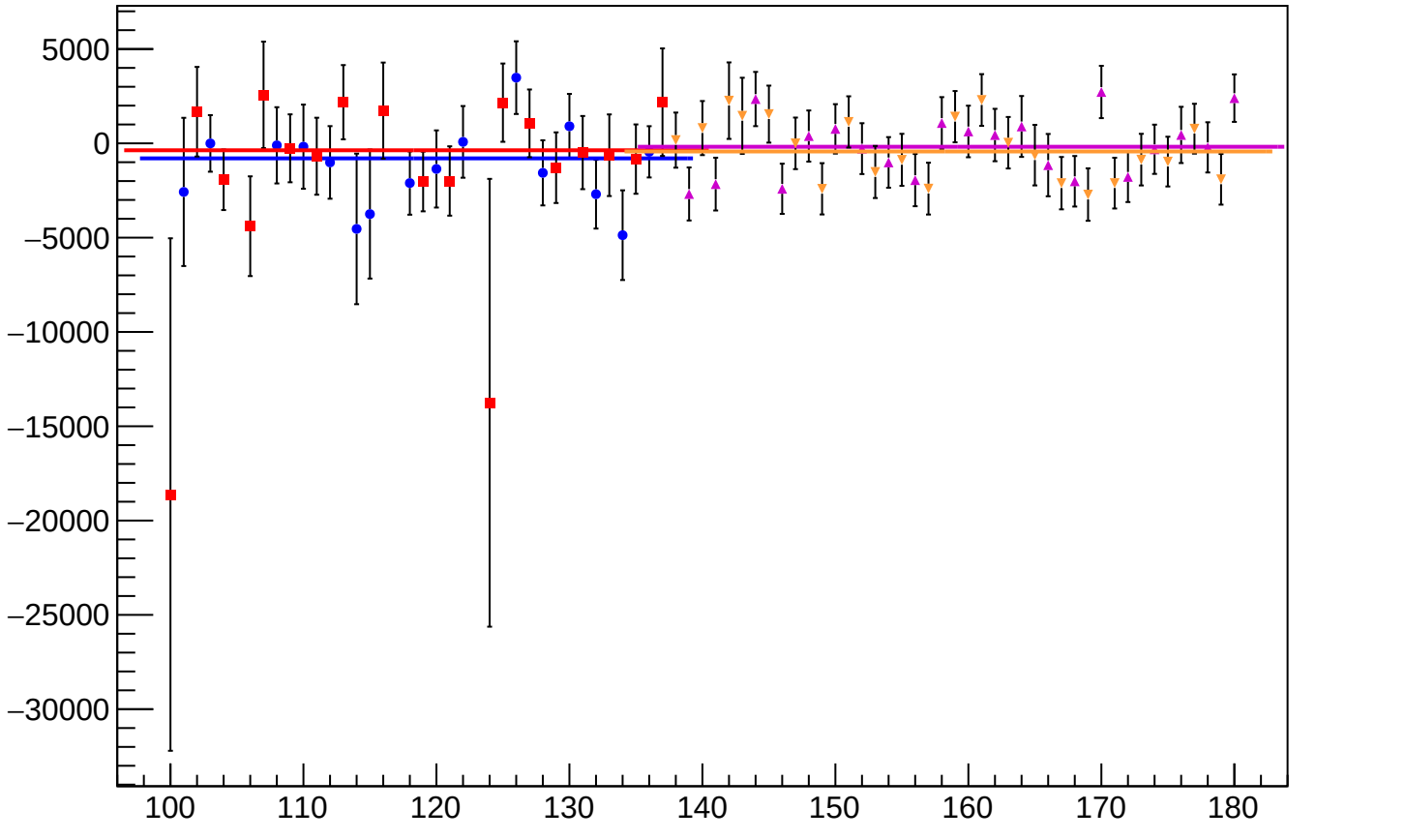
Left: 271.838+/-0.034 χ^2/NDF: 6276421.2/42

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 283.880+/-0.045 χ^2/NDF:7556658.1/36

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -181.049+/-301.163 χ^2/NDF:28.0/20

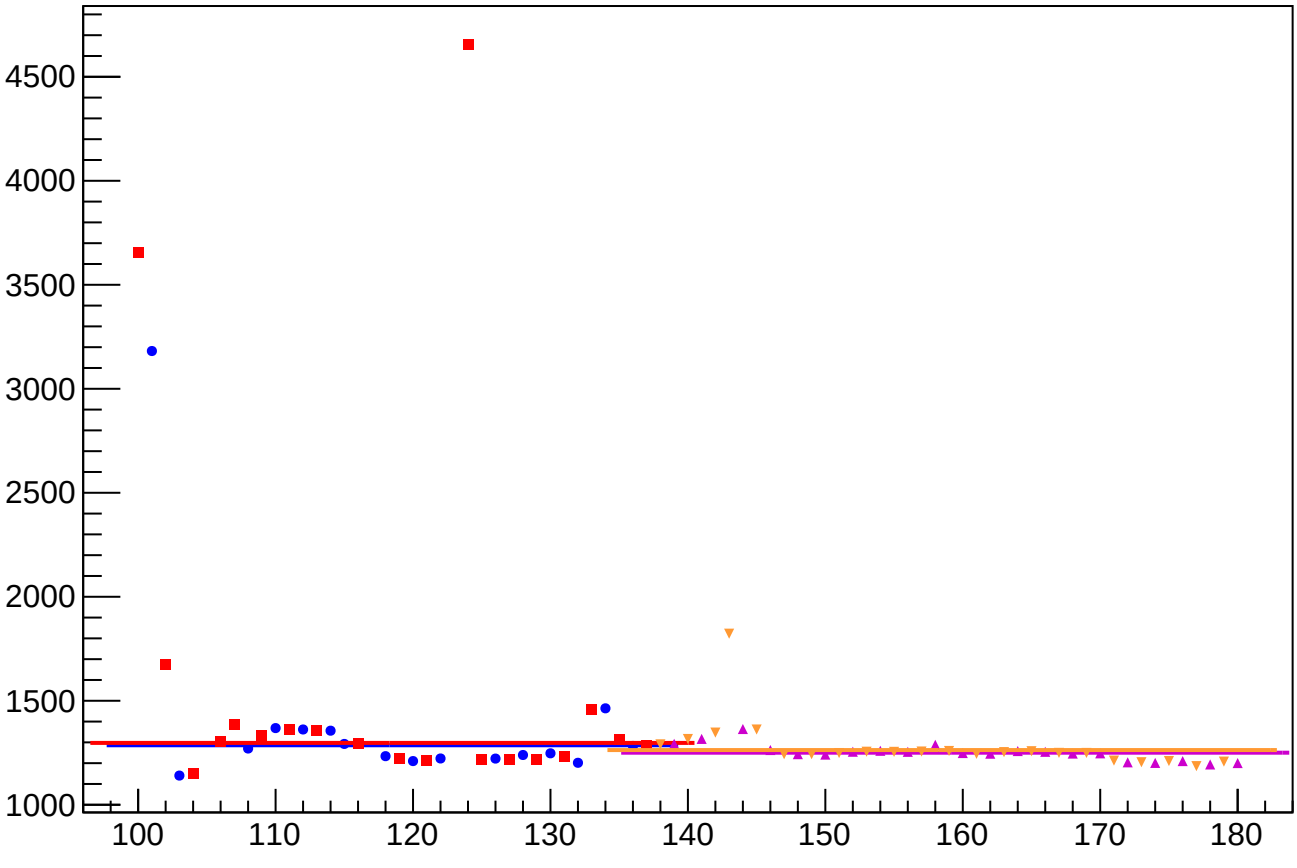
Left: -304.936+/-213.541 χ^2/NDF: 54.0/42

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -351.180+/-256.208 χ^2/NDF:42.6/36

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -381.824+/-181.470 χ^2/NDF: 83.9/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

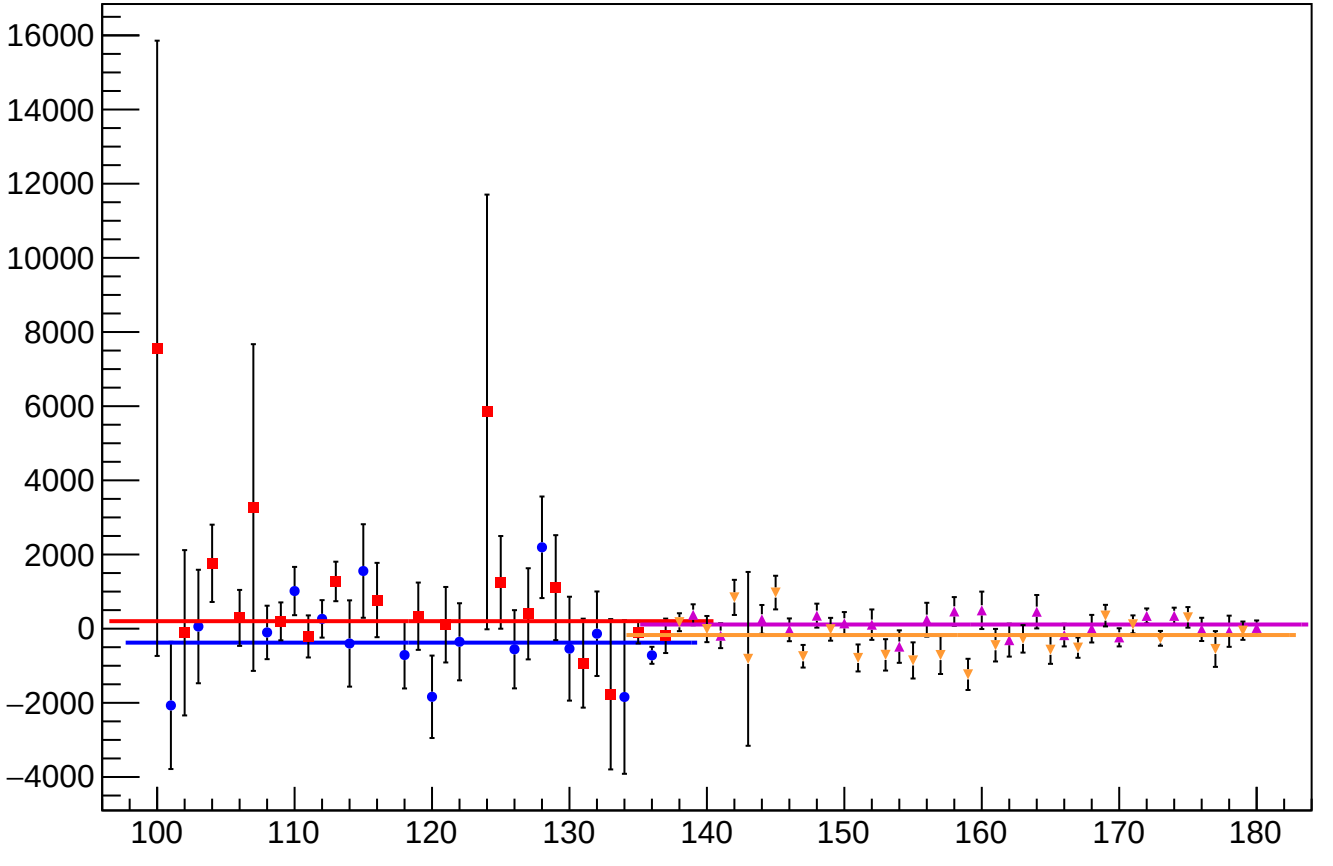
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1260.234+/-0.181 χ^2/NDF:560338.6/36

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

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: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 112.147+/-67.904 χ^2/NDF:13.4/20

Left: -25.154+/-48.787 χ^2/NDF: 64.7/42

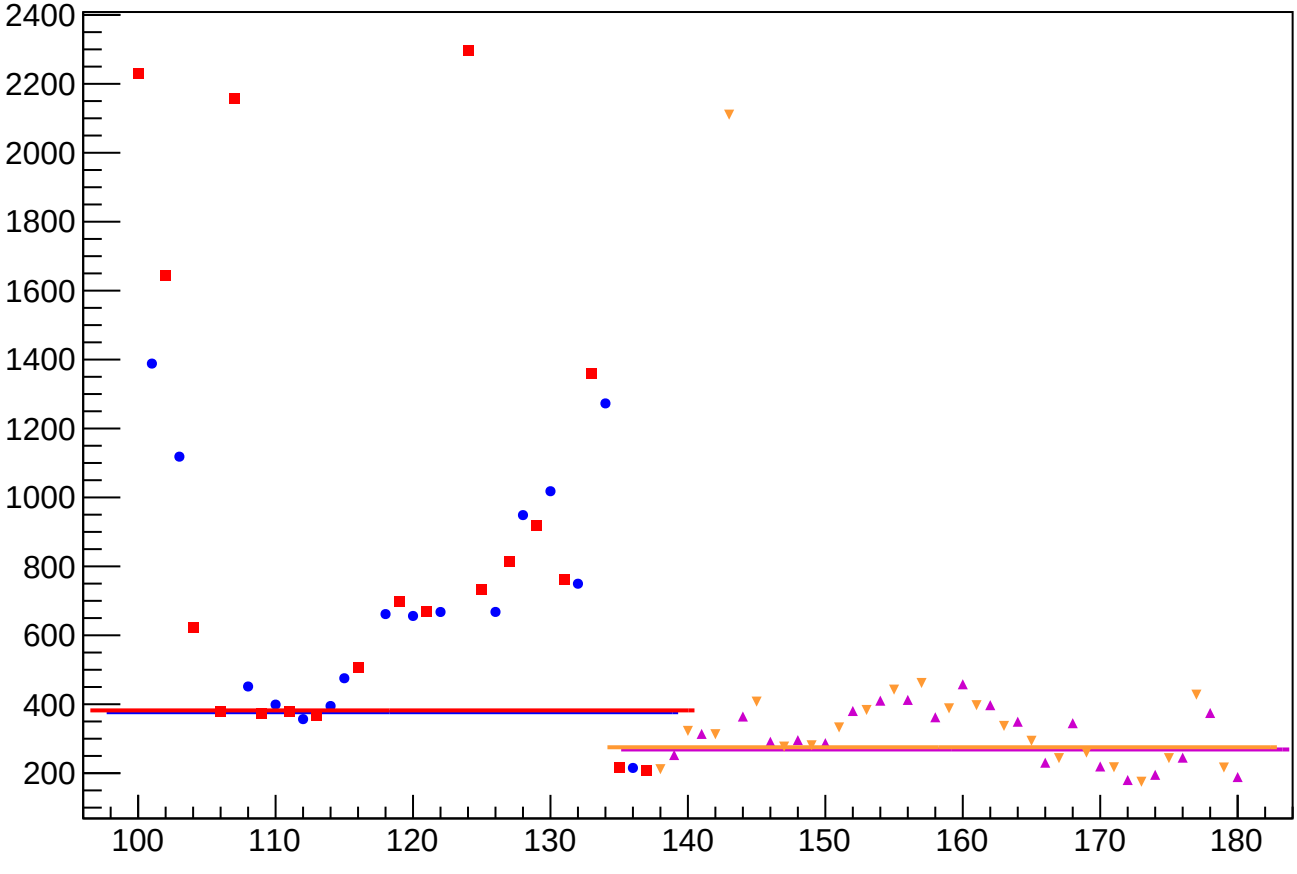
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 43.647+/-62.967 χ^2/NDF:38.6/36

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -34.336+/-45.160 χ^2/NDF: 102.8/77

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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

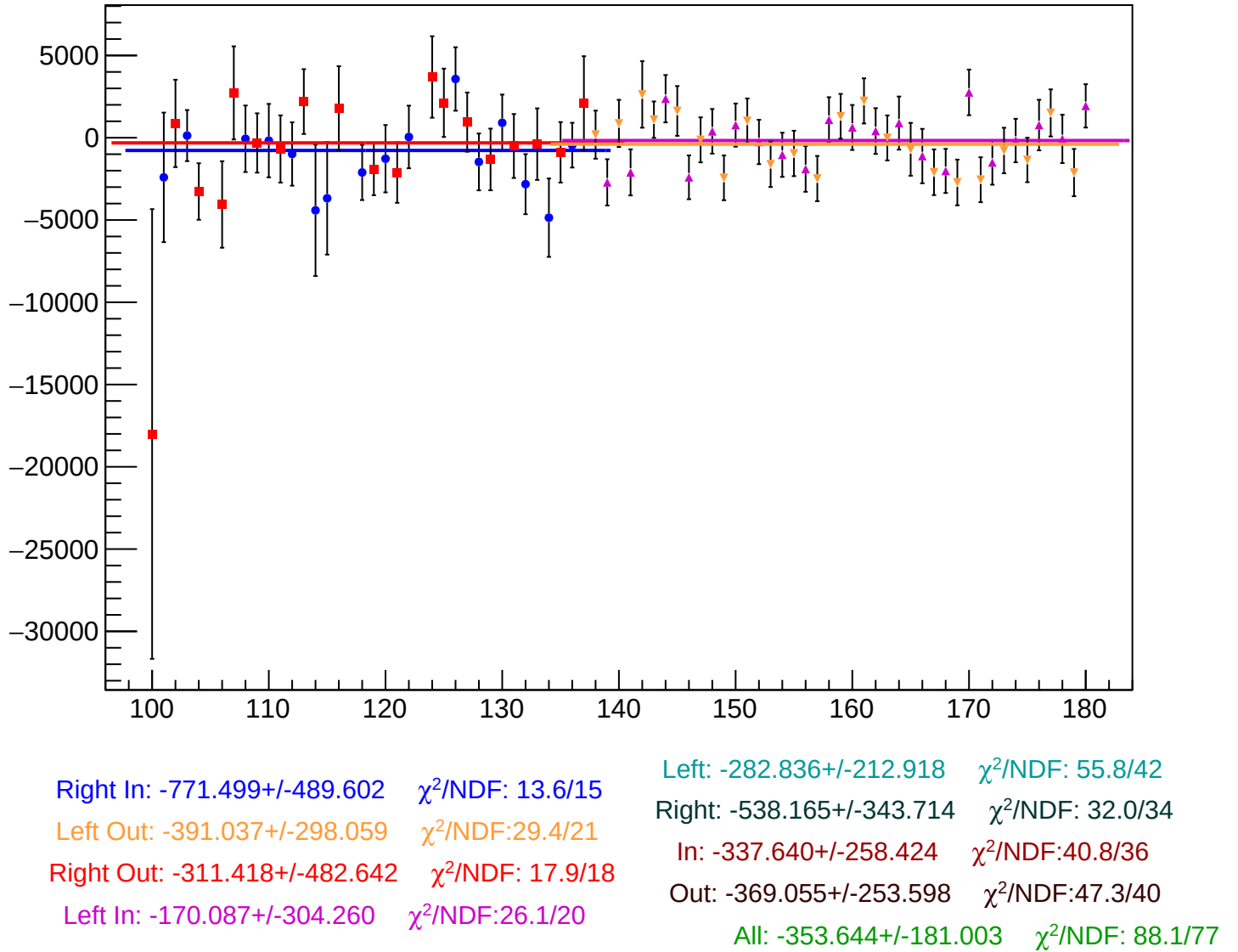
Left: 271.838+/-0.034 χ^2/NDF: 6276421.2/42

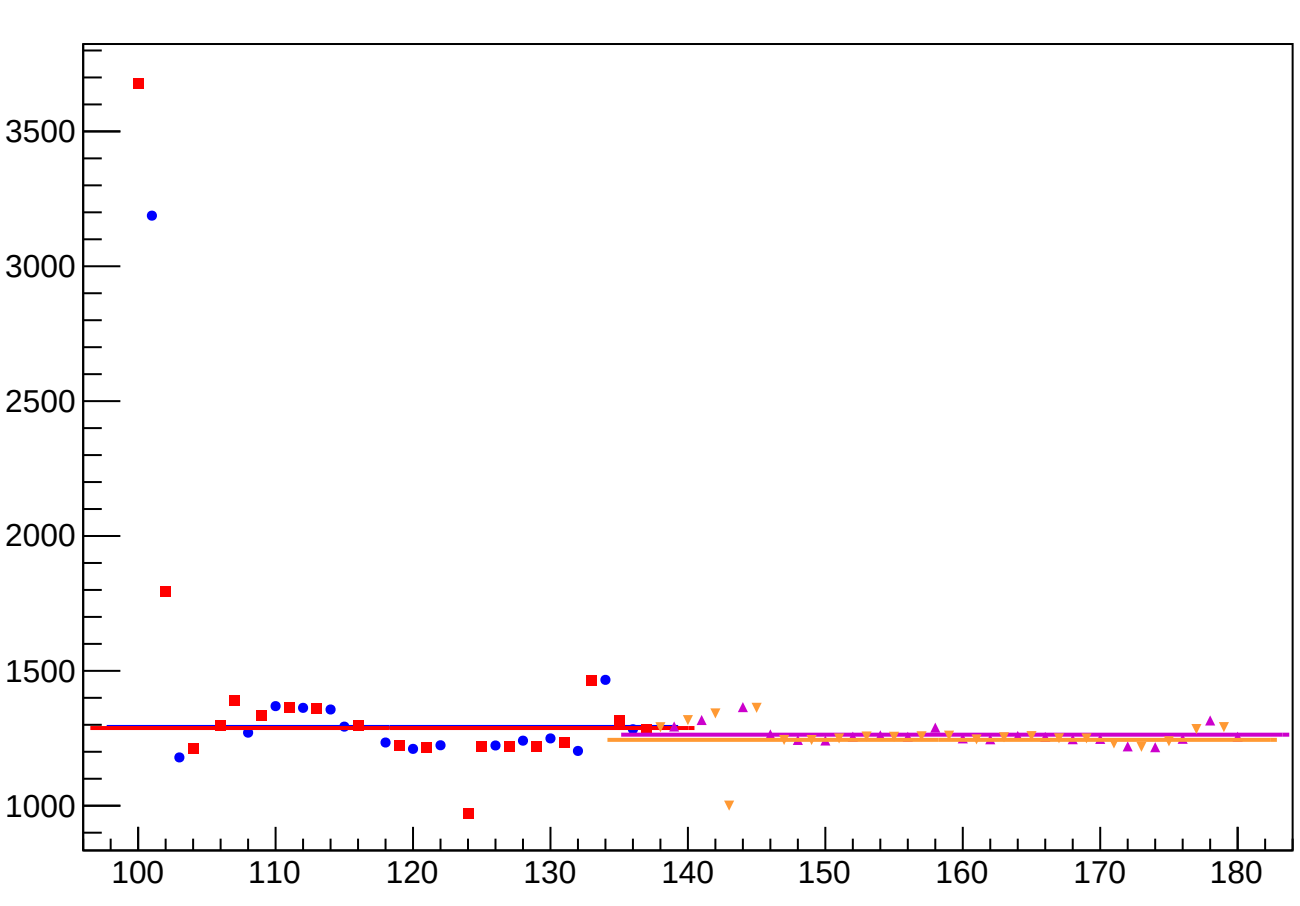
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 283.880+/-0.045 χ^2/NDF:7556658.1/36

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77


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
180
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -391.037+/-298.059 χ²/NDF:29.4/21
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -170.087+/-304.260 χ²/NDF:26.1/20
Left: -282.836+/-212.918 χ²/NDF: 55.8/42
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -337.640+/-258.424 χ²/NDF:40.8/36
Out: -369.055+/-253.598 χ²/NDF:47.3/40
All: -353.644+/-181.003 χ²/NDF: 88.1/77



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

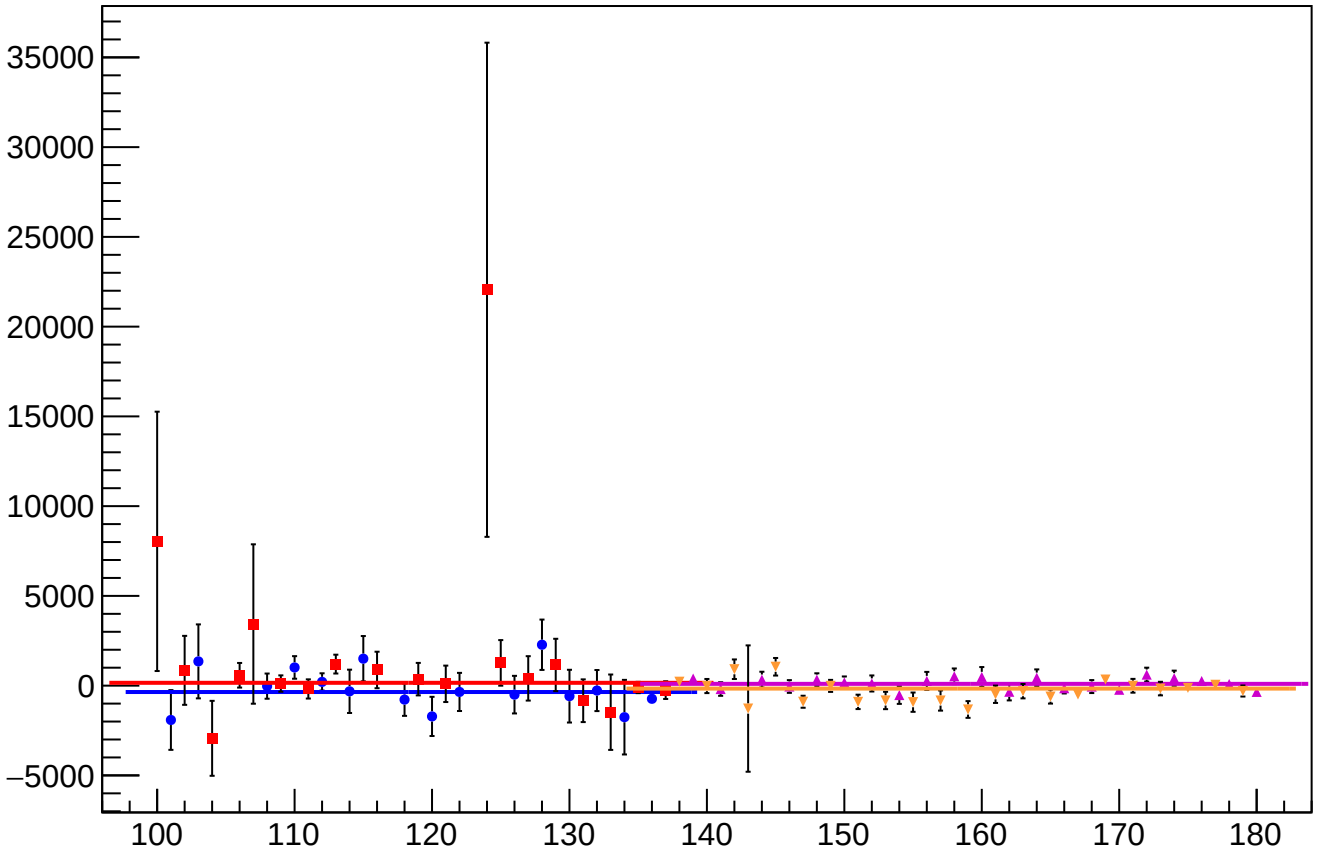
Left: 1253.570+/-0.151 χ^2/NDF: 155390.7/42

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.345+/-0.183 χ^2/NDF:538685.7/36

Out: 1256.276+/-0.179 χ^2/NDF:348148.2/40

All: 1263.668+/-0.128 χ^2/NDF: 890298.0/77



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -164.211+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 99.779+/-70.880 χ^2/NDF:16.2/20

Left: -38.634+/-48.886 χ^2/NDF: 65.2/42

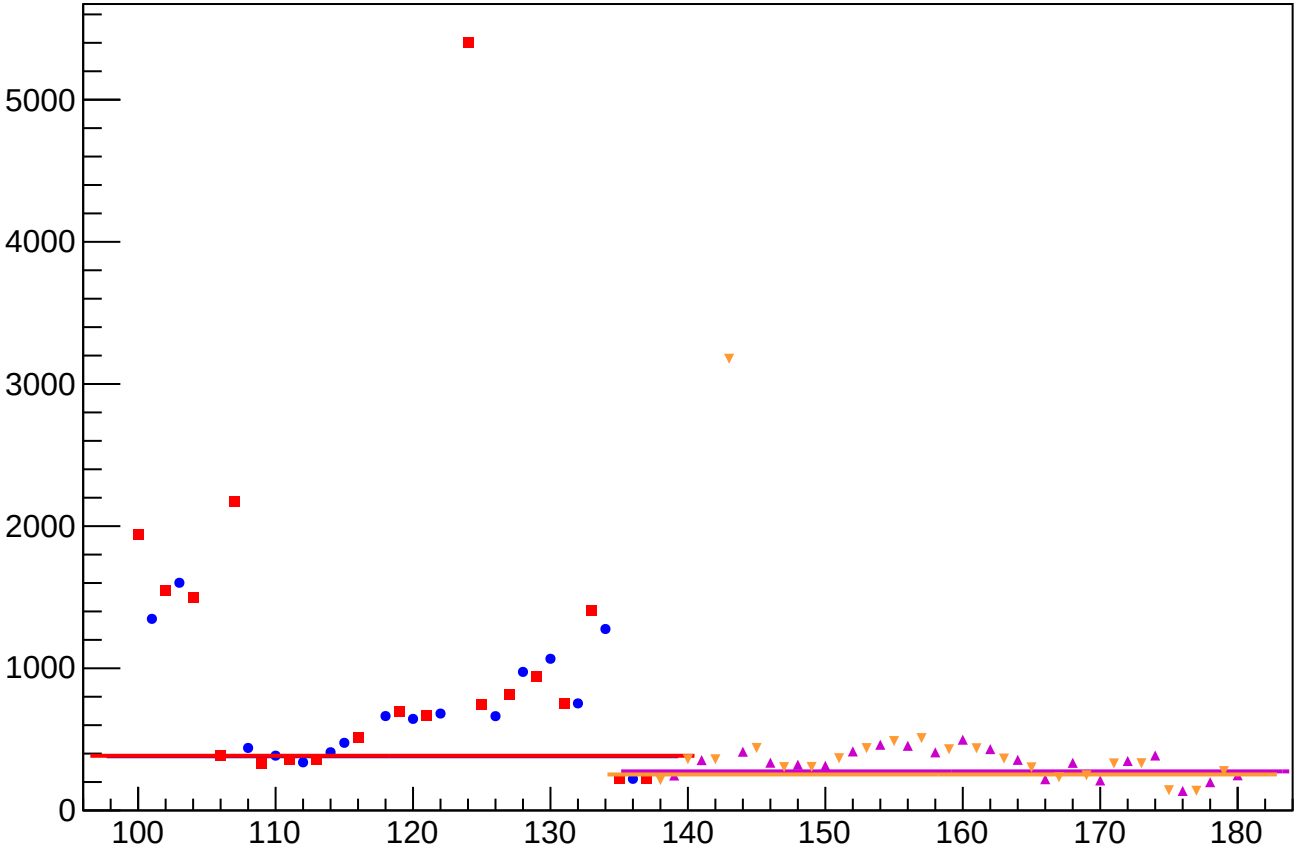
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 32.376+/-65.419 χ^2/NDF:40.8/36

Out: -120.176+/-62.729 χ^2/NDF:60.7/40

All: -47.101+/-45.277 χ^2/NDF: 104.3/77

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: 253.247+/-0.048 χ^2/NDF:6289956.3/21

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

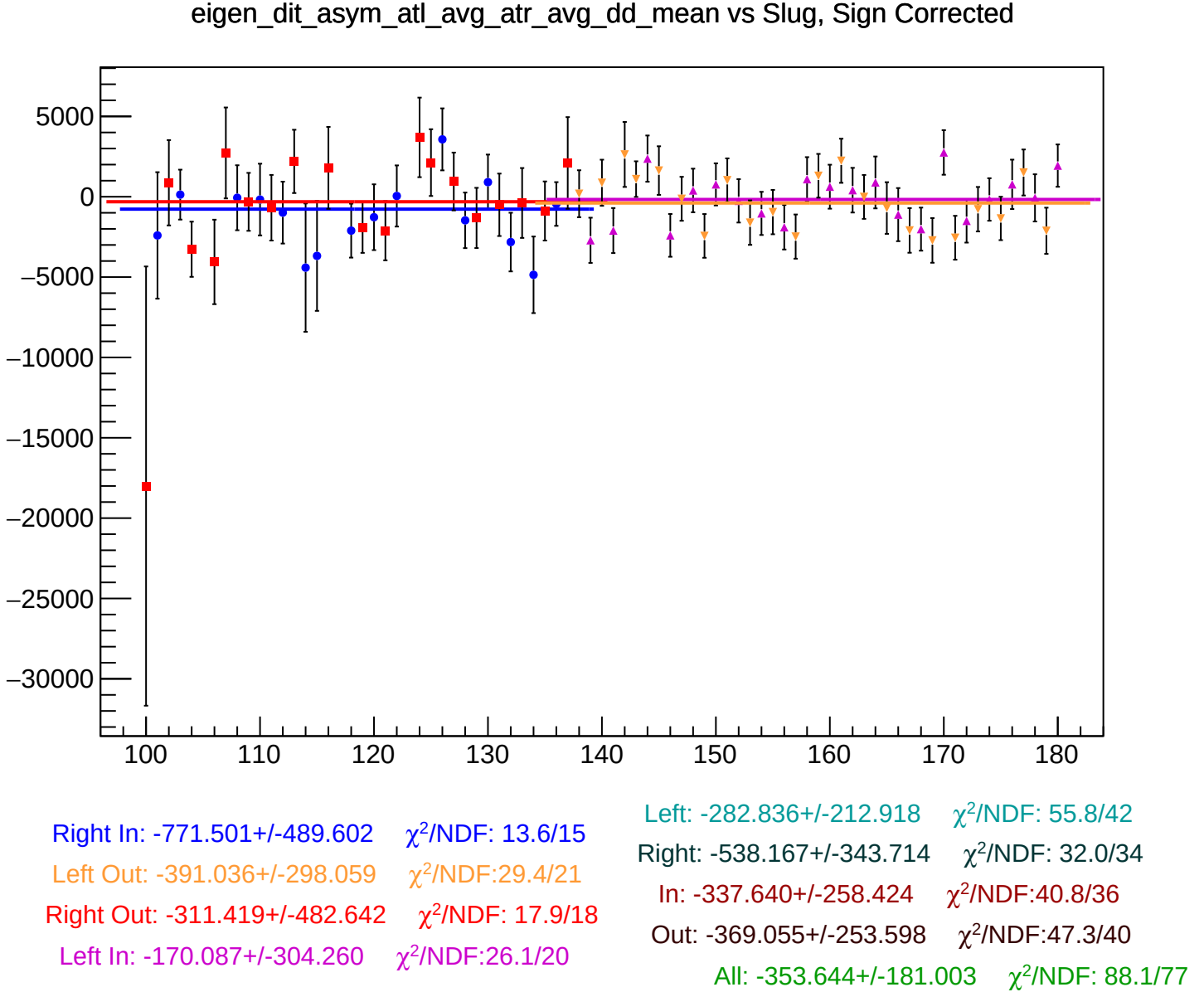
Left: 263.513+/-0.035 χ^2/NDF: 10399292.0/42

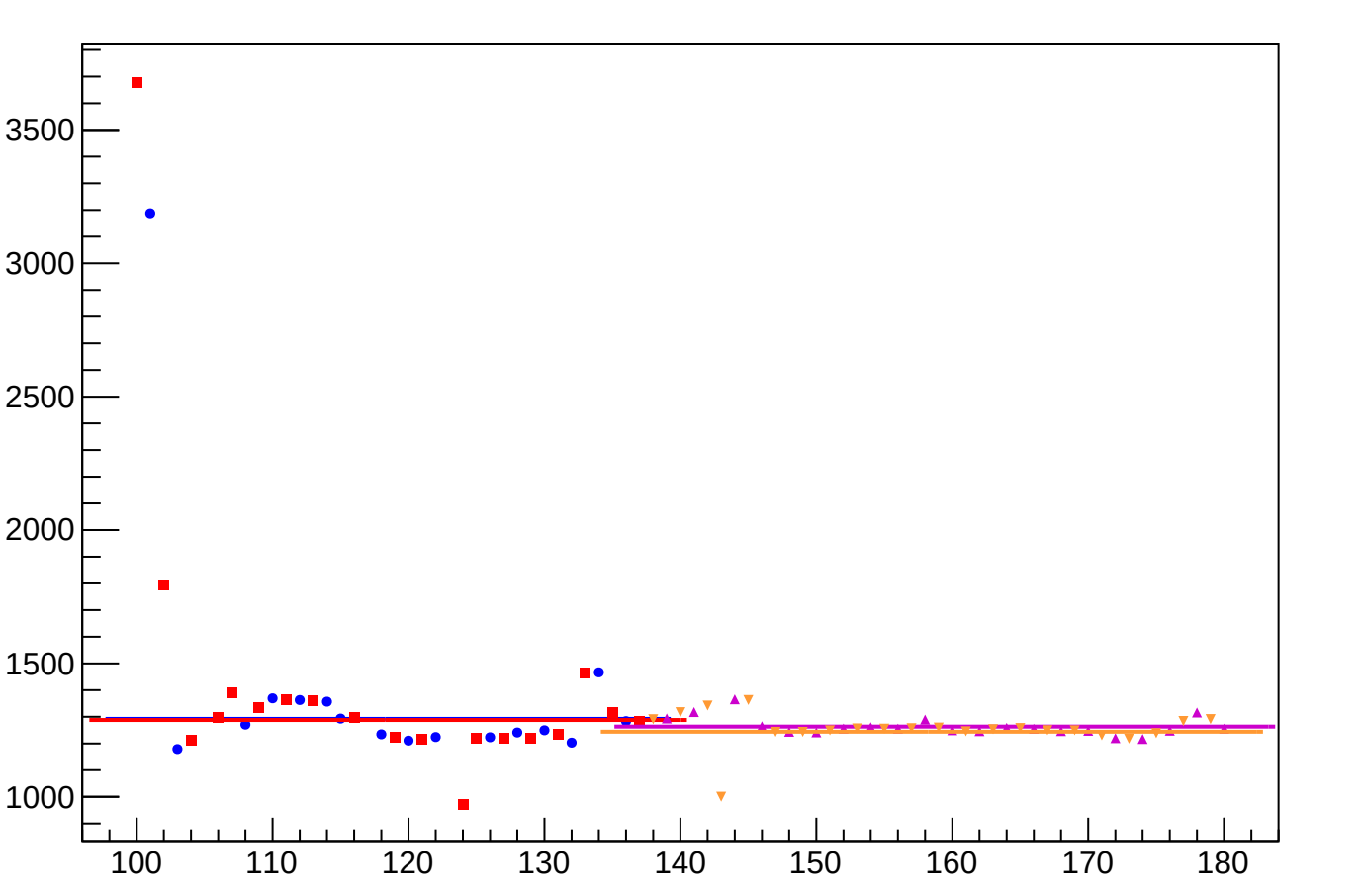
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.607+/-0.046 χ^2/NDF:8999204.6/36

Out: 271.209+/-0.044 χ^2/NDF:11885847.5/40

All: 280.501+/-0.032 χ^2/NDF: 20976665.8/77


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
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -391.036+/-298.059 χ²/NDF:29.4/21
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -170.087+/-304.260 χ²/NDF:26.1/20
Left: -282.836+/-212.918 χ²/NDF: 55.8/42
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -337.640+/-258.424 χ²/NDF:40.8/36
Out: -369.055+/-253.598 χ²/NDF:47.3/40
All: -353.644+/-181.003 χ²/NDF: 88.1/77



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

Left: 1253.570+/-0.151 χ^2/NDF: 155389.9/42

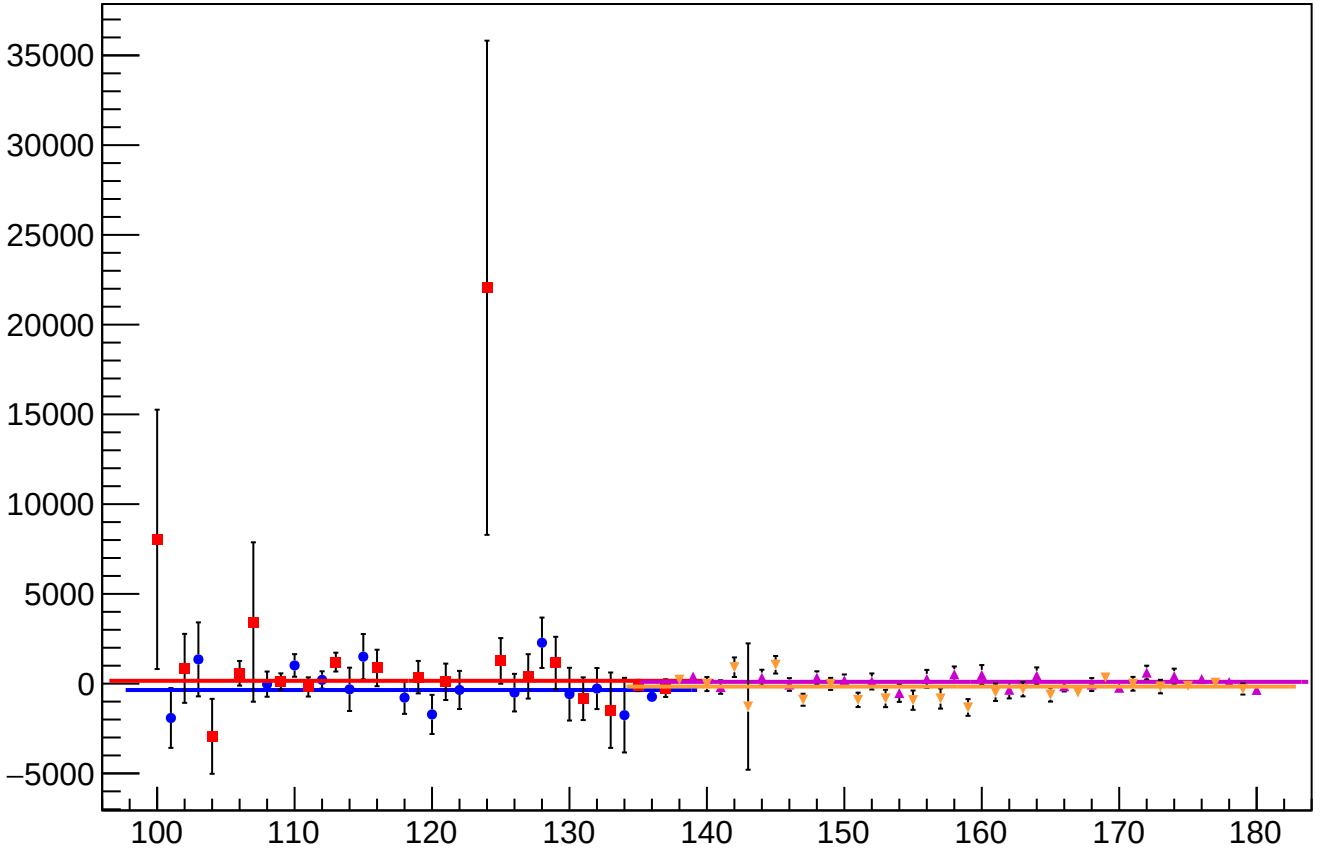
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.344+/-0.183 χ^2/NDF:538685.8/36

Out: 1256.276+/-0.179 χ^2/NDF:348147.6/40

All: 1263.668+/-0.128 χ^2/NDF: 890297.4/77

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: -164.215+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 99.778+/-70.880 χ^2/NDF:16.2/20

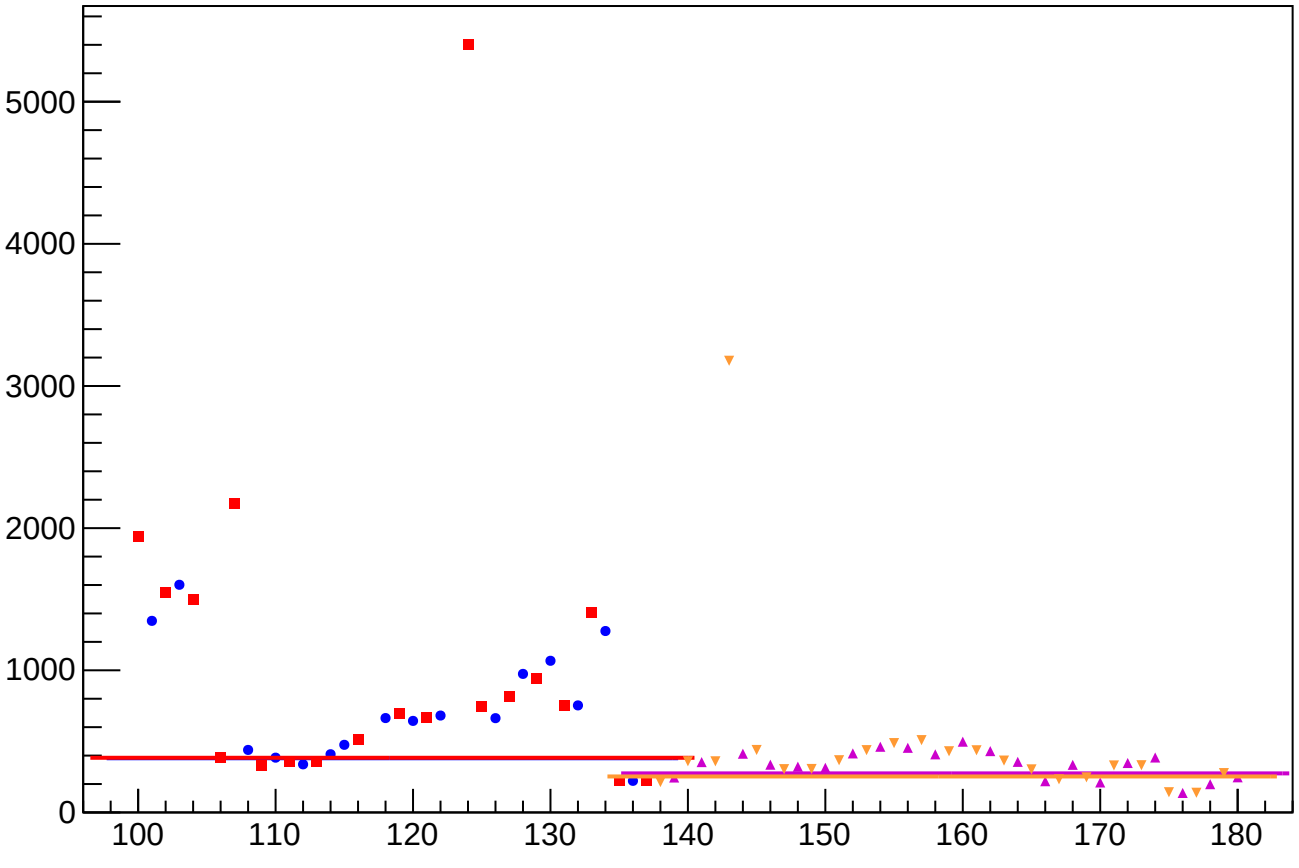
Left: -38.637+/-48.886 χ^2/NDF: 65.2/42

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 32.376+/-65.420 χ^2/NDF:40.8/36

Out: -120.180+/-62.729 χ^2/NDF:60.7/40

All: -47.103+/-45.278 χ^2/NDF: 104.3/77



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

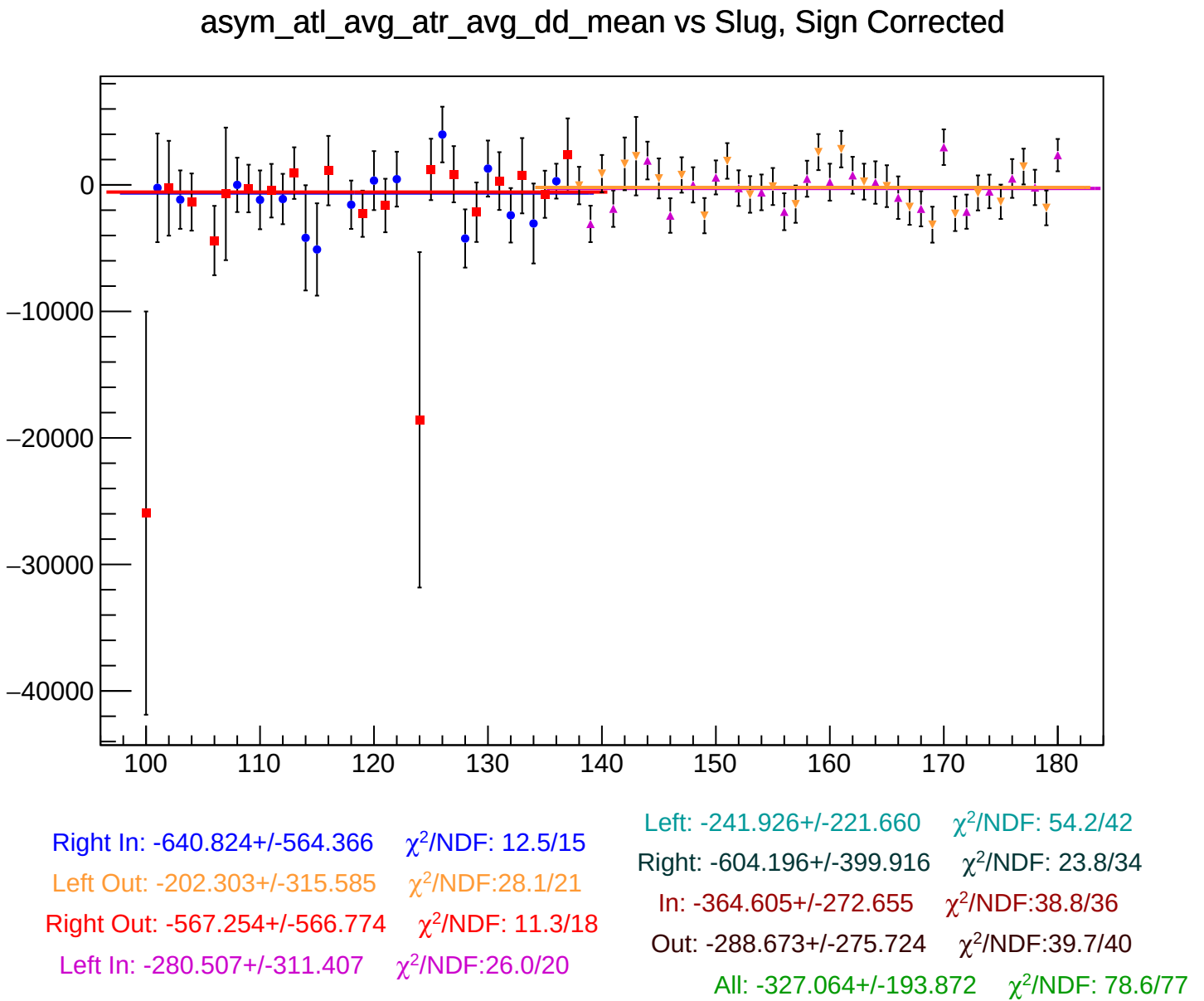
Left: 263.514+/-0.035 χ^2/NDF: 10399146.8/42

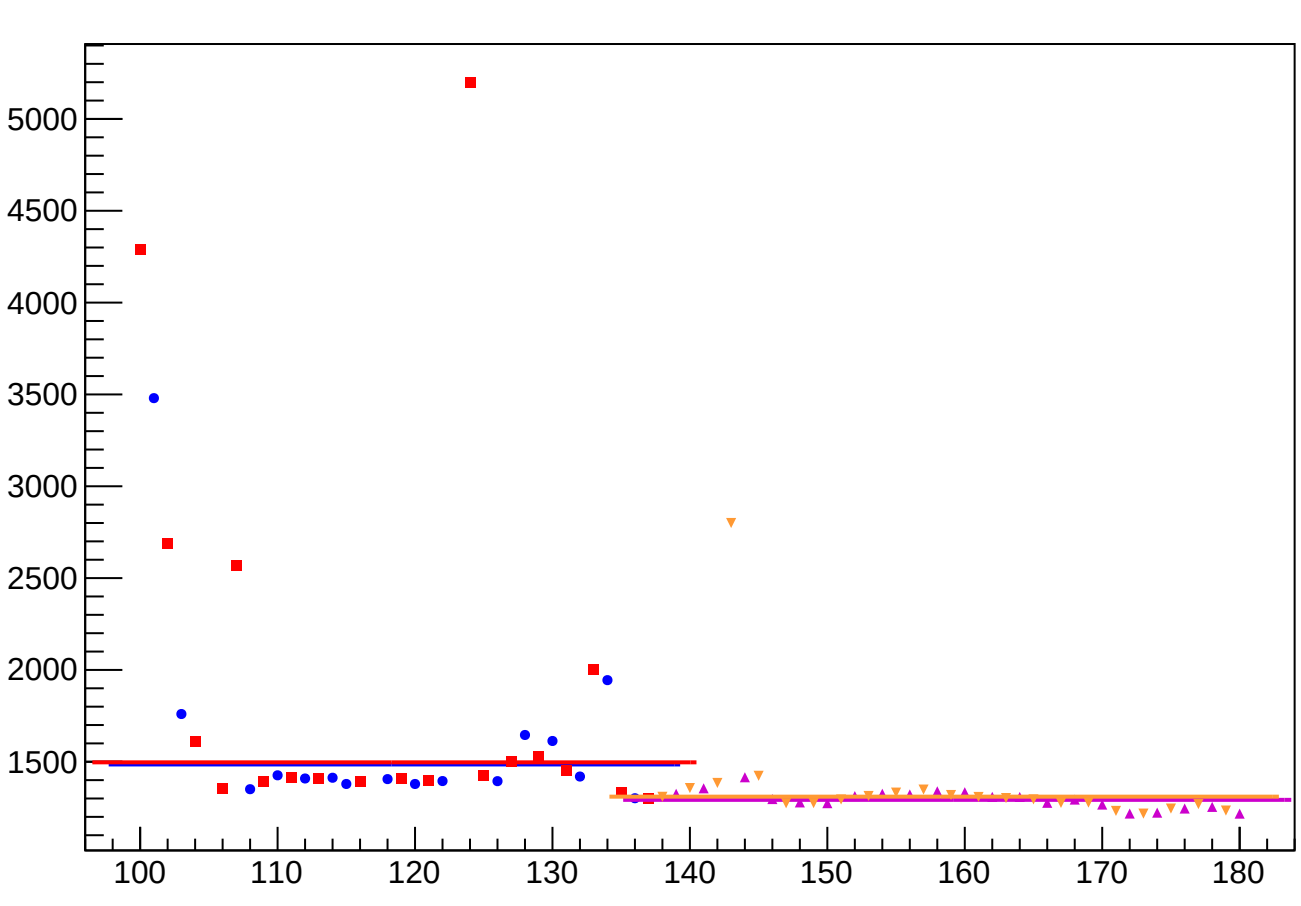
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.609+/-0.046 χ^2/NDF:8999080.5/36

Out: 271.211+/-0.044 χ^2/NDF:11885684.6/40

All: 280.503+/-0.032 χ^2/NDF: 20976372.3/77


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: -202.303+/-315.585 χ²/NDF:28.1/21
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -280.507+/-311.407 χ²/NDF:26.0/20
Left: -241.926+/-221.660 χ²/NDF: 54.2/42
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -364.605+/-272.655 χ²/NDF:38.8/36
Out: -288.673+/-275.724 χ²/NDF:39.7/40
All: -327.064+/-193.872 χ²/NDF: 78.6/77



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

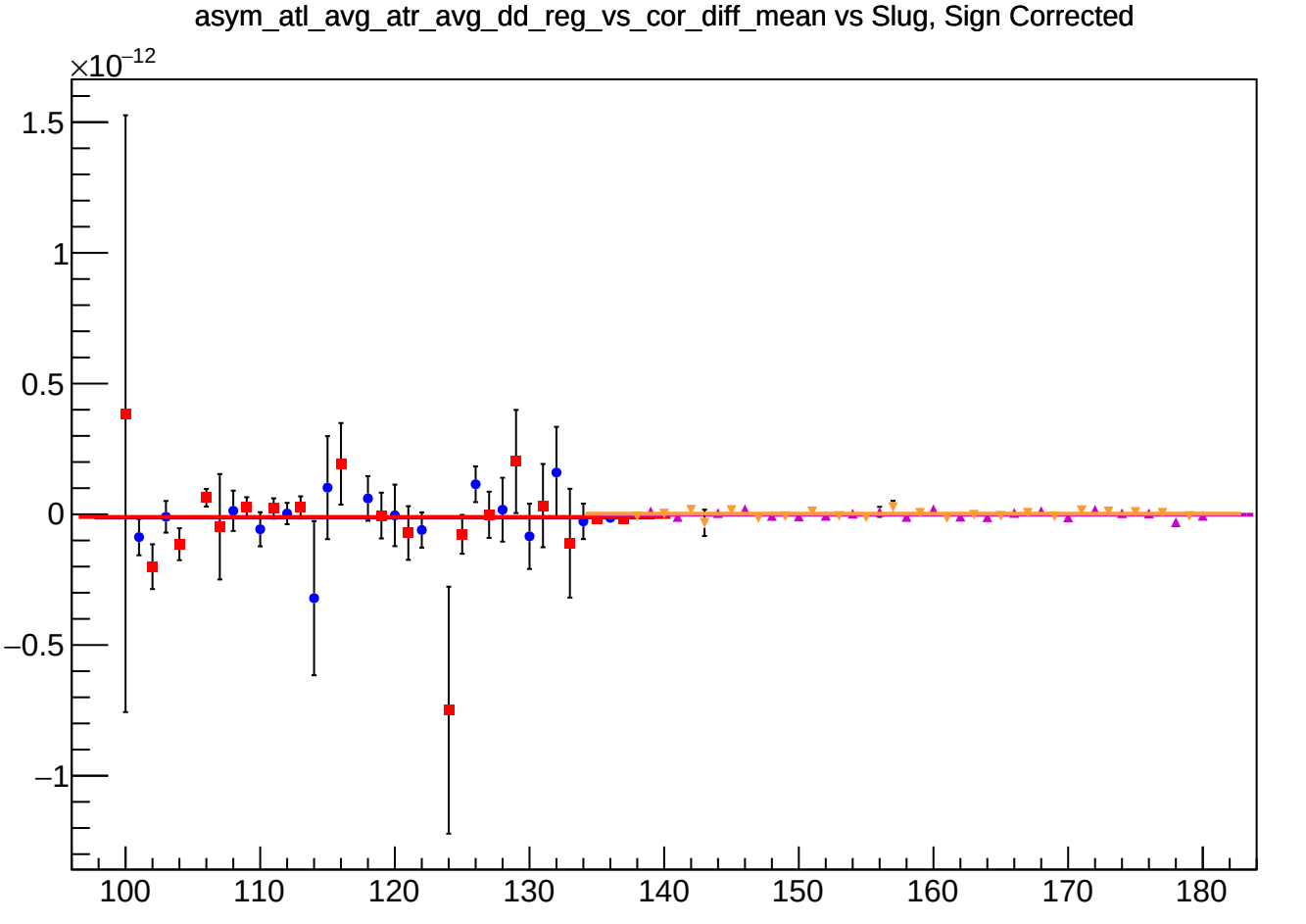
Left: 1301.195+/-0.157 χ^2/NDF: 562188.8/42

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1337.593+/-0.193 χ^2/NDF:811608.7/36

Out: 1354.242+/-0.195 χ^2/NDF:1300045.8/40

All: 1345.824+/-0.137 χ^2/NDF: 2115341.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/20

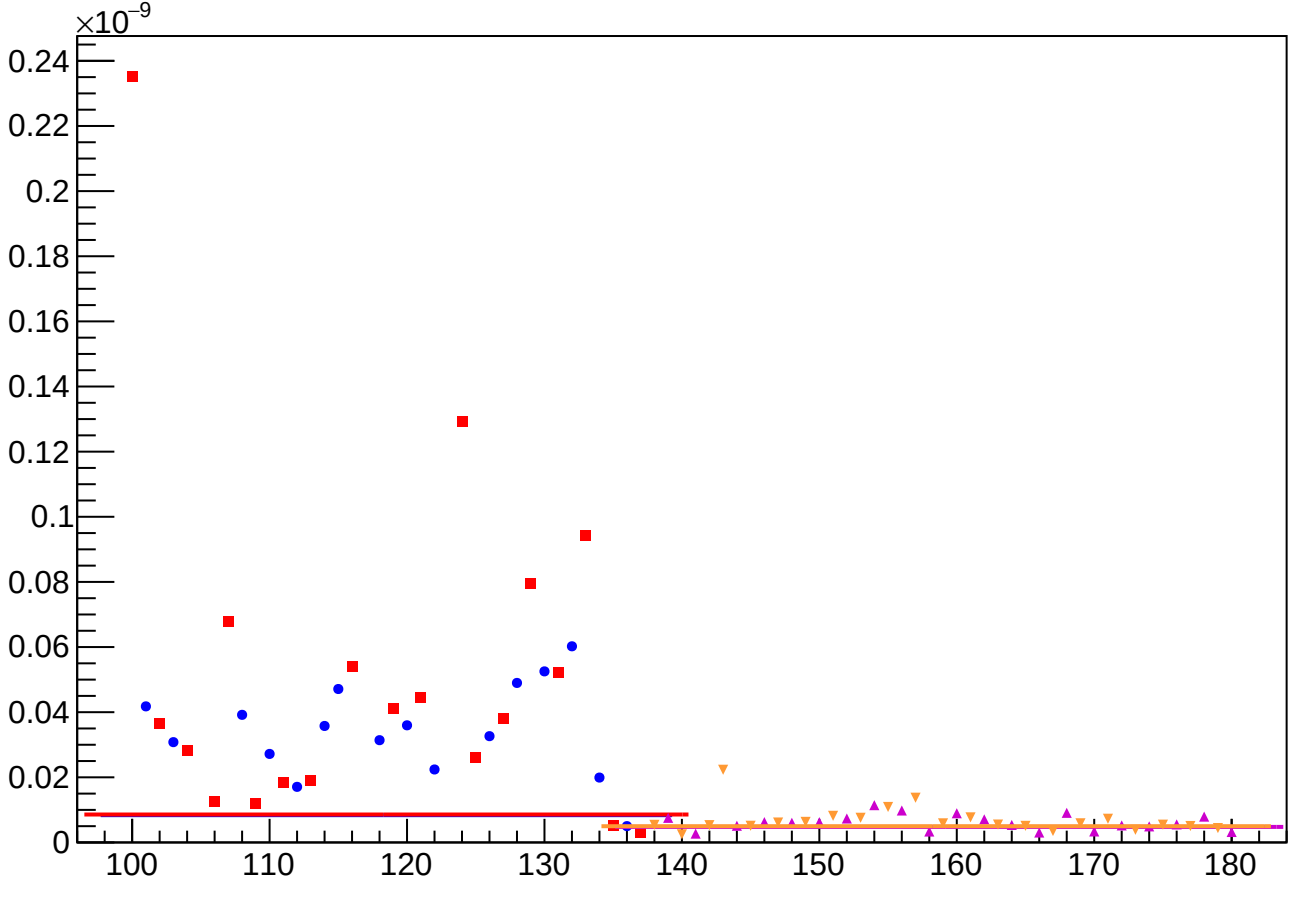
Left: 0.000+/-0.000 χ^2/NDF: 46.9/42

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.7/36

Out: 0.000+/-0.000 χ^2/NDF:44.4/40

All: -0.000+/-0.000 χ^2/NDF: 83.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884560.7/20

Left: 0.000+/-0.000 χ^2/NDF: 3788869.8/42

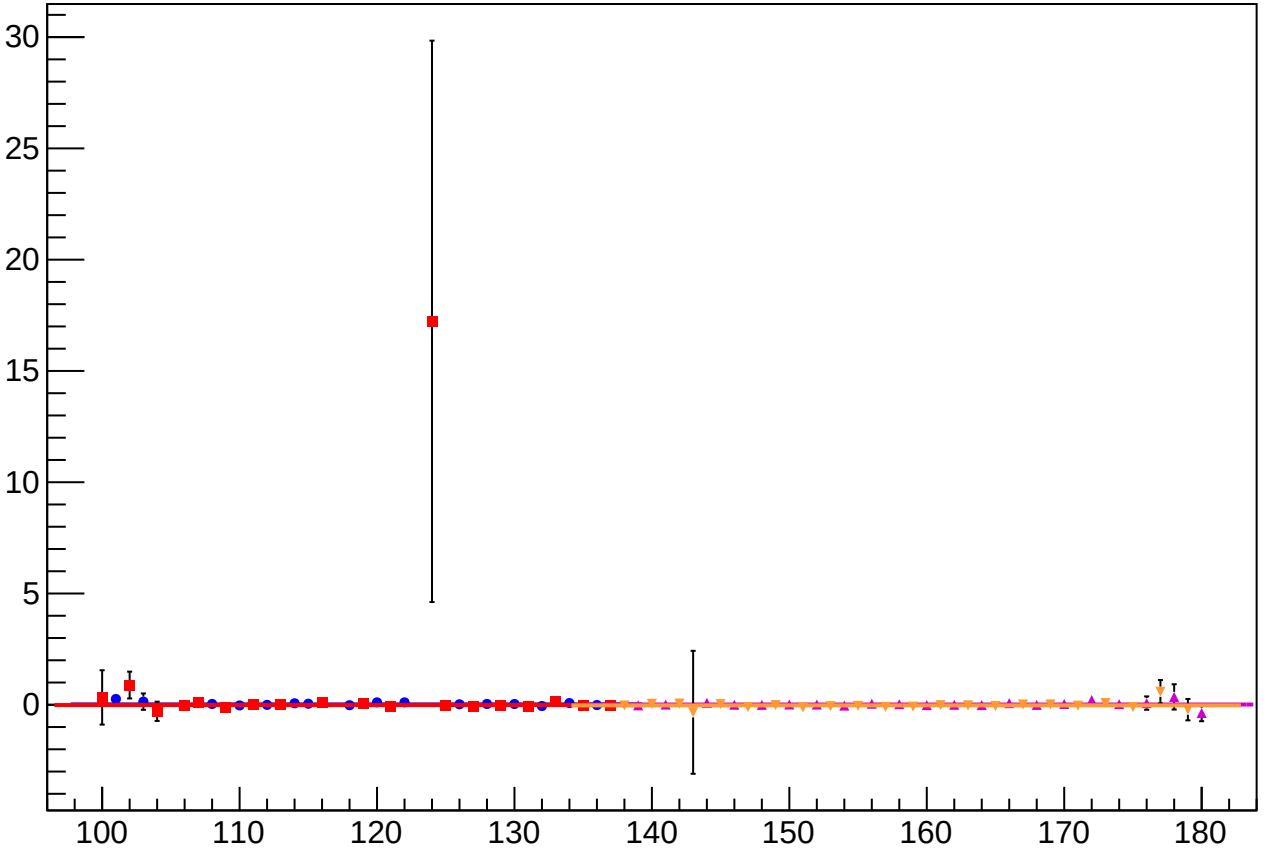
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381650.6/36

Out: 0.000+/-0.000 χ^2/NDF:5619521.9/40

All: 0.000+/-0.000 χ^2/NDF: 11009111.9/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

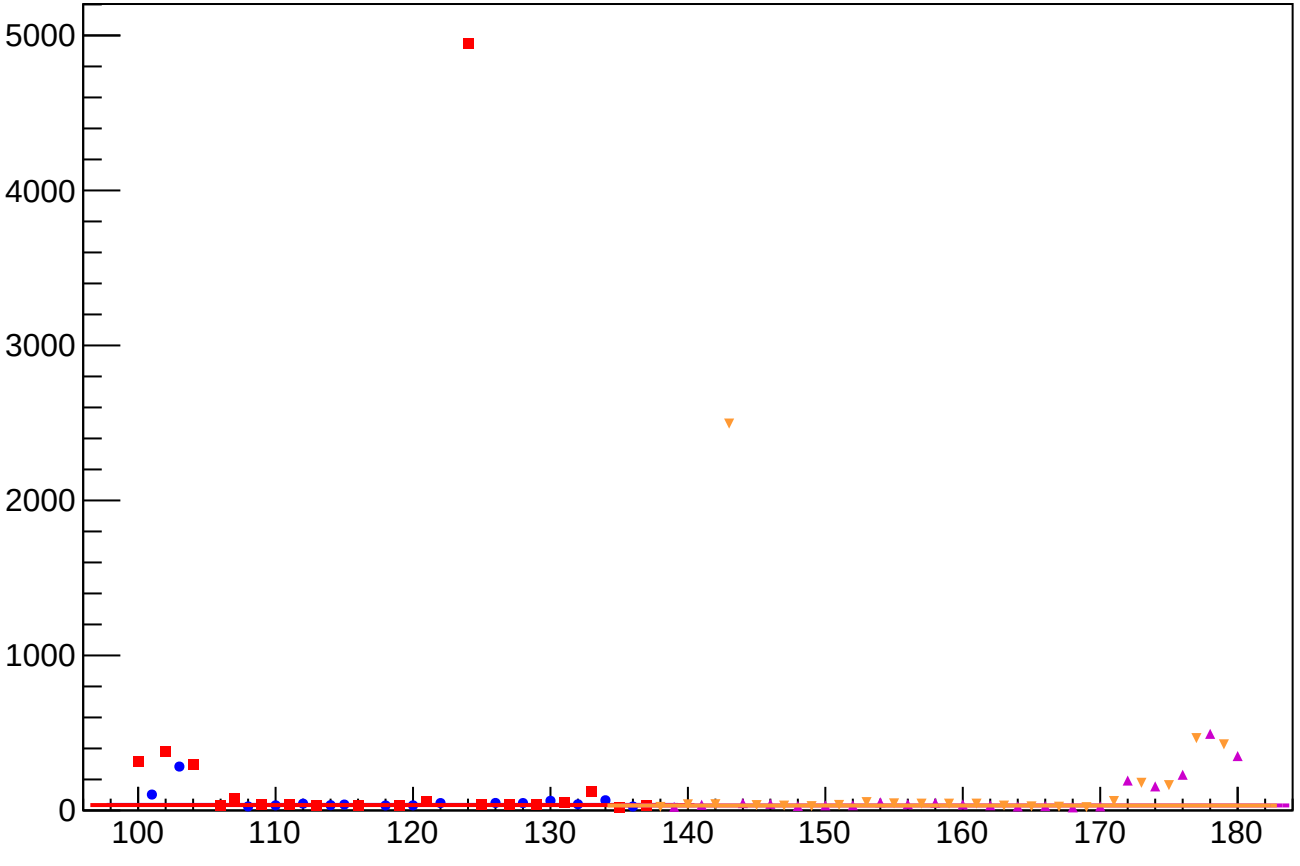
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

Left: 32.171+/-0.005 χ^2/NDF: 15457693.9/42

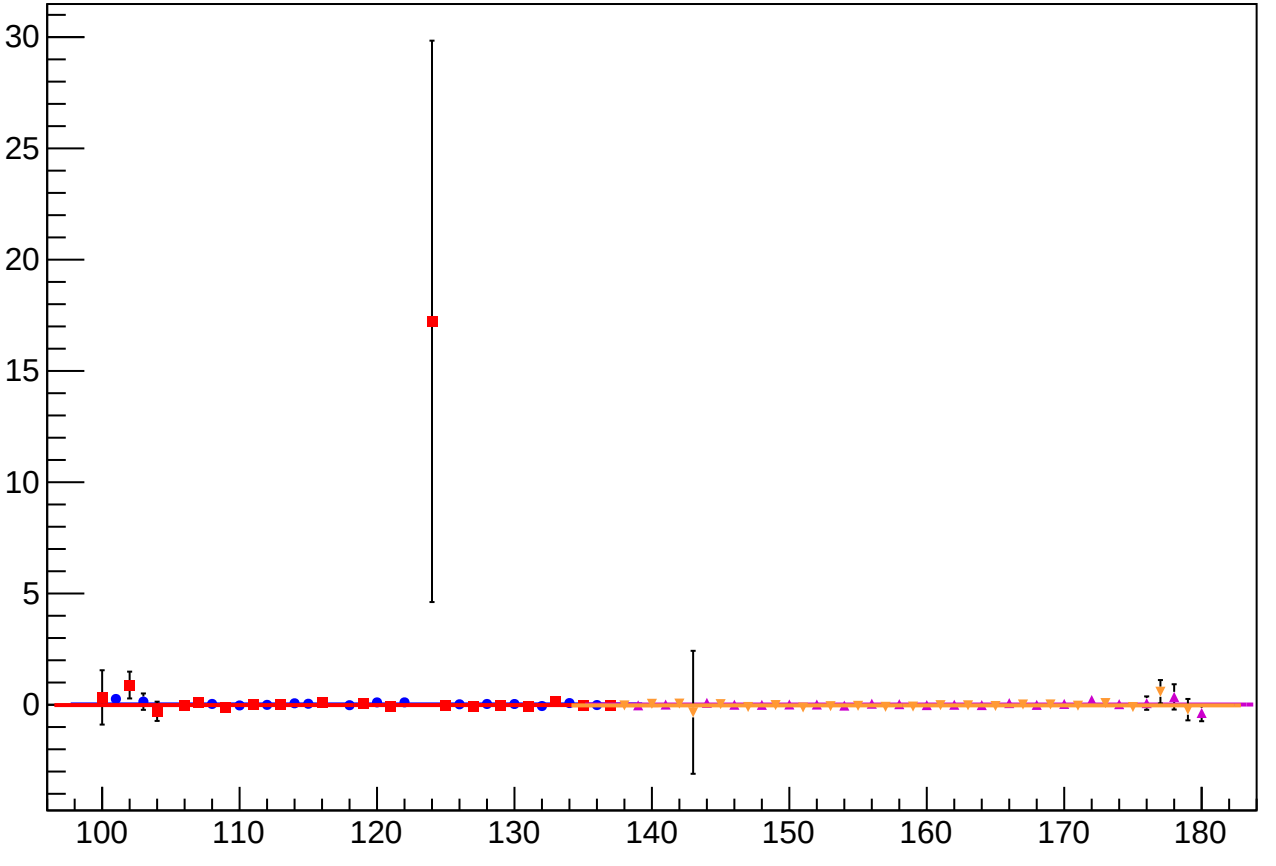
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.295+/-0.006 χ^2/NDF:9757078.9/36

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

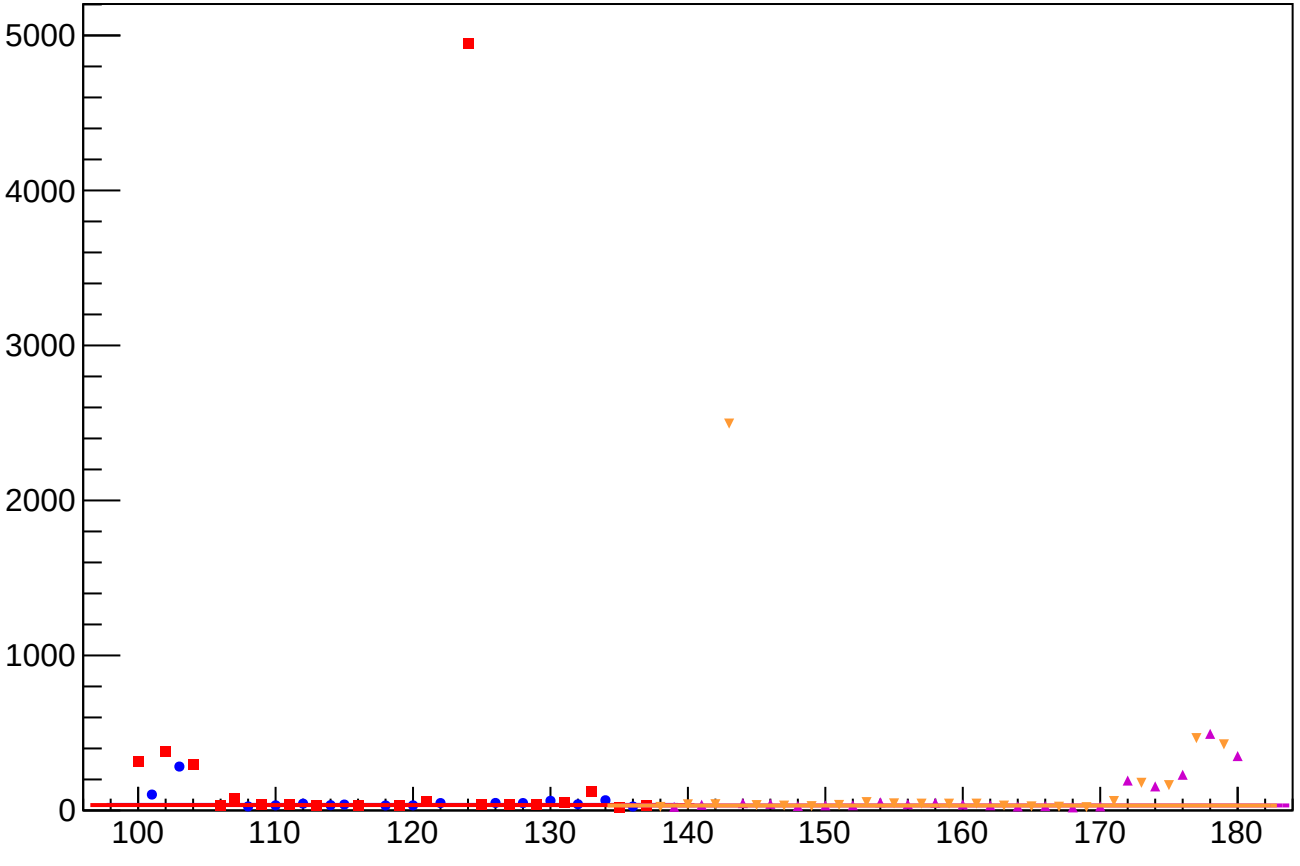
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

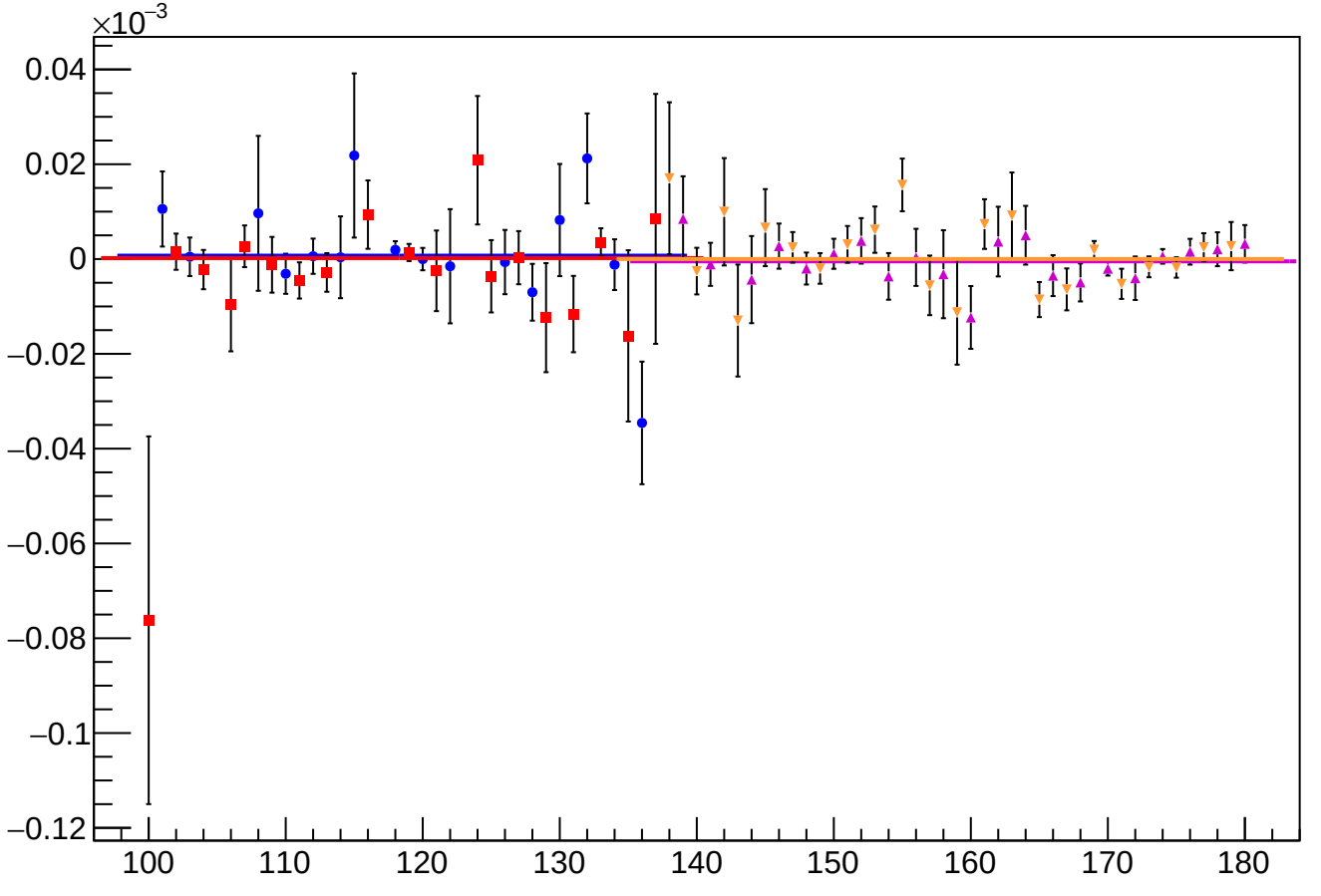
Left: 32.171+/-0.005 χ^2/NDF: 15457693.9/42

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.295+/-0.006 χ^2/NDF:9757078.9/36

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

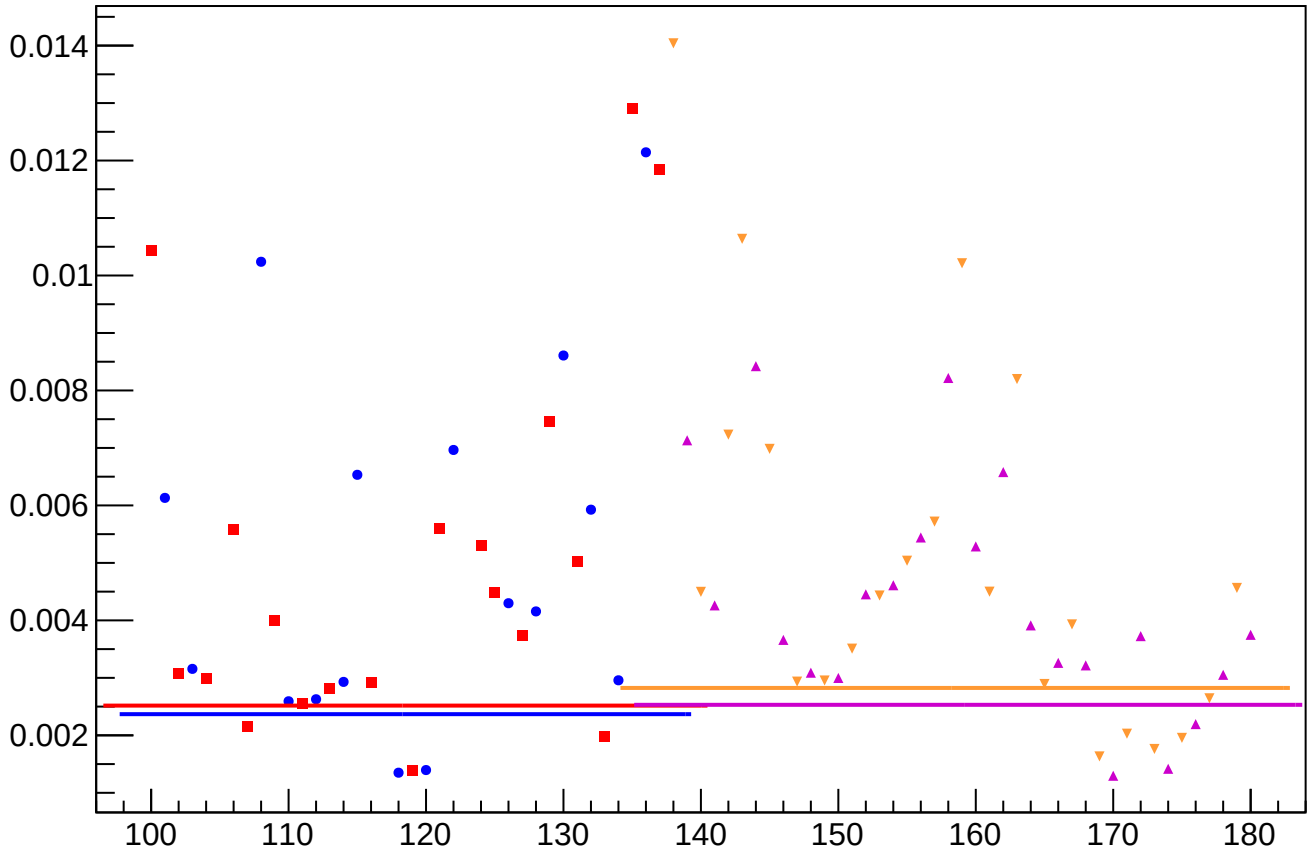
Left: -0.000+/-0.000 χ^2/NDF: 47.4/42

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.5/36

Out: 0.000+/-0.000 χ^2/NDF:51.6/40

All: -0.000+/-0.000 χ^2/NDF: 85.2/77



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7872903.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7812124.0/20

Left: 0.003+/-0.000 χ^2/NDF: 15831922.5/42

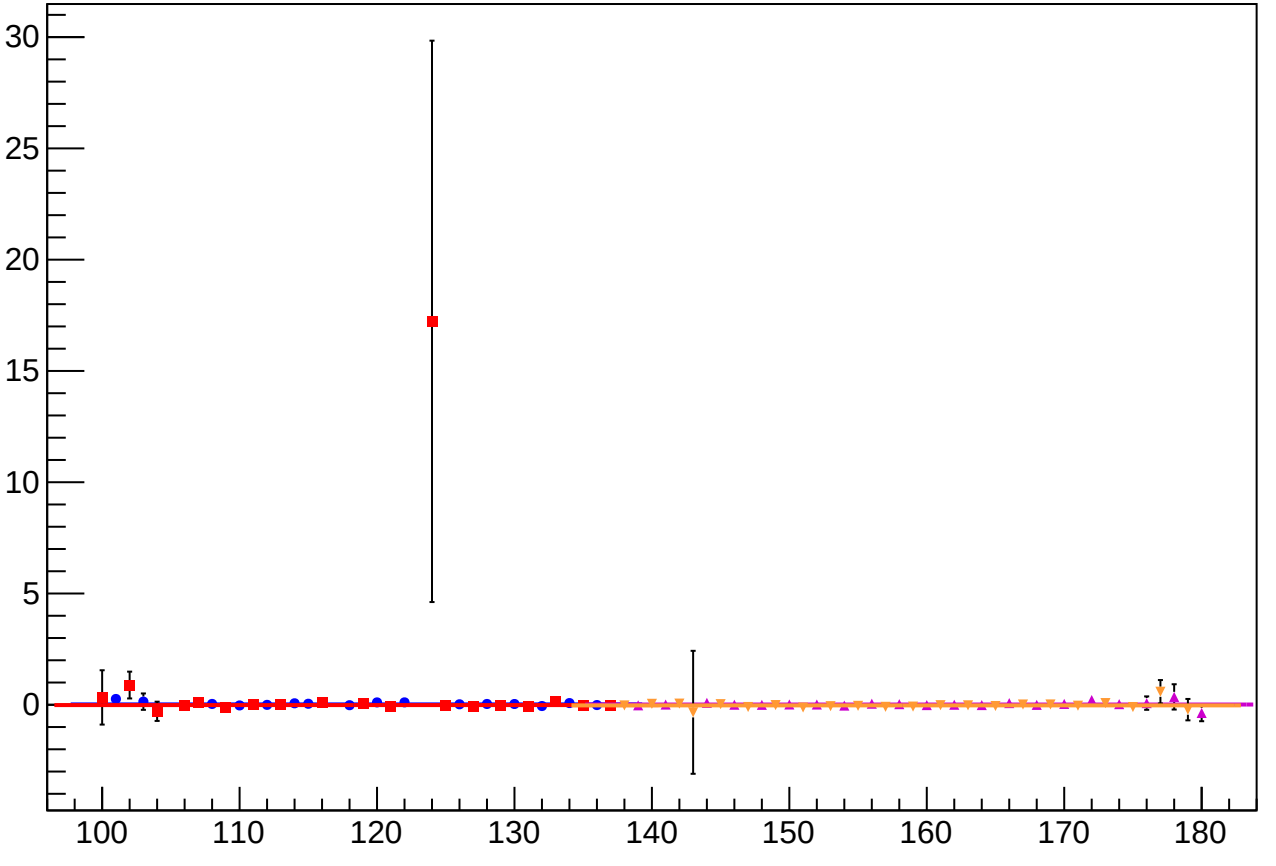
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12563618.9/36

Out: 0.003+/-0.000 χ^2/NDF:11377474.8/40

All: 0.003+/-0.000 χ^2/NDF: 24081159.5/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

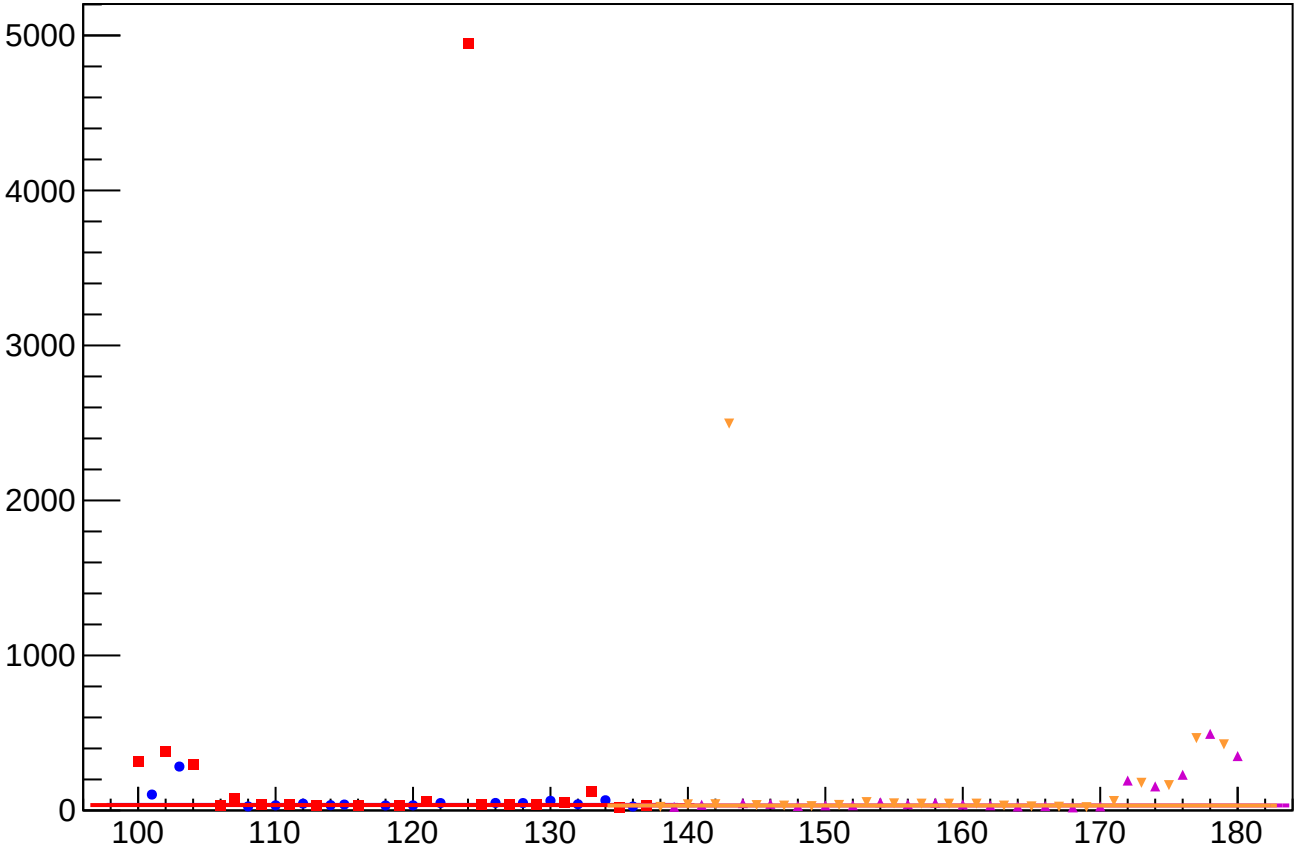
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

Left: 32.170+/-0.005 χ^2/NDF: 15458549.7/42

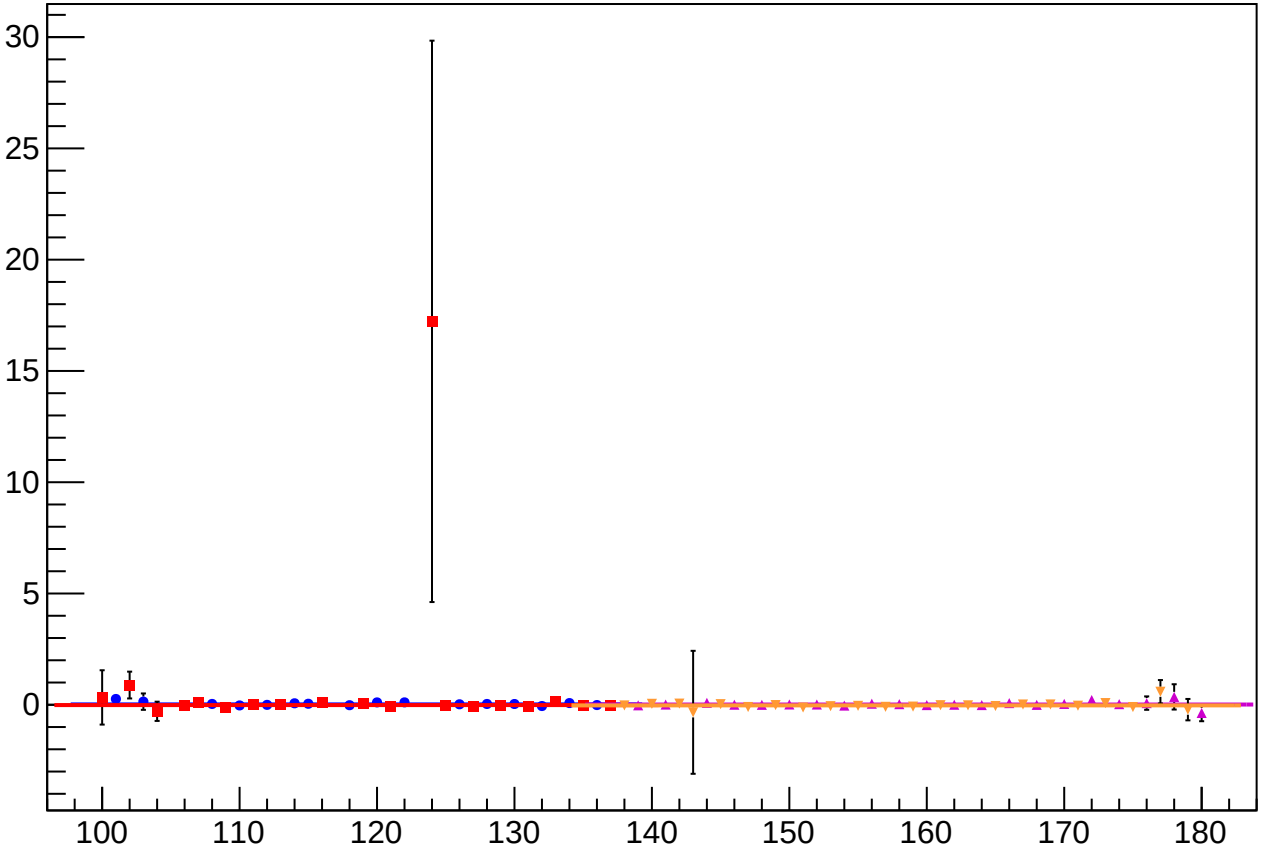
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.294+/-0.006 χ^2/NDF:9757526.8/36

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

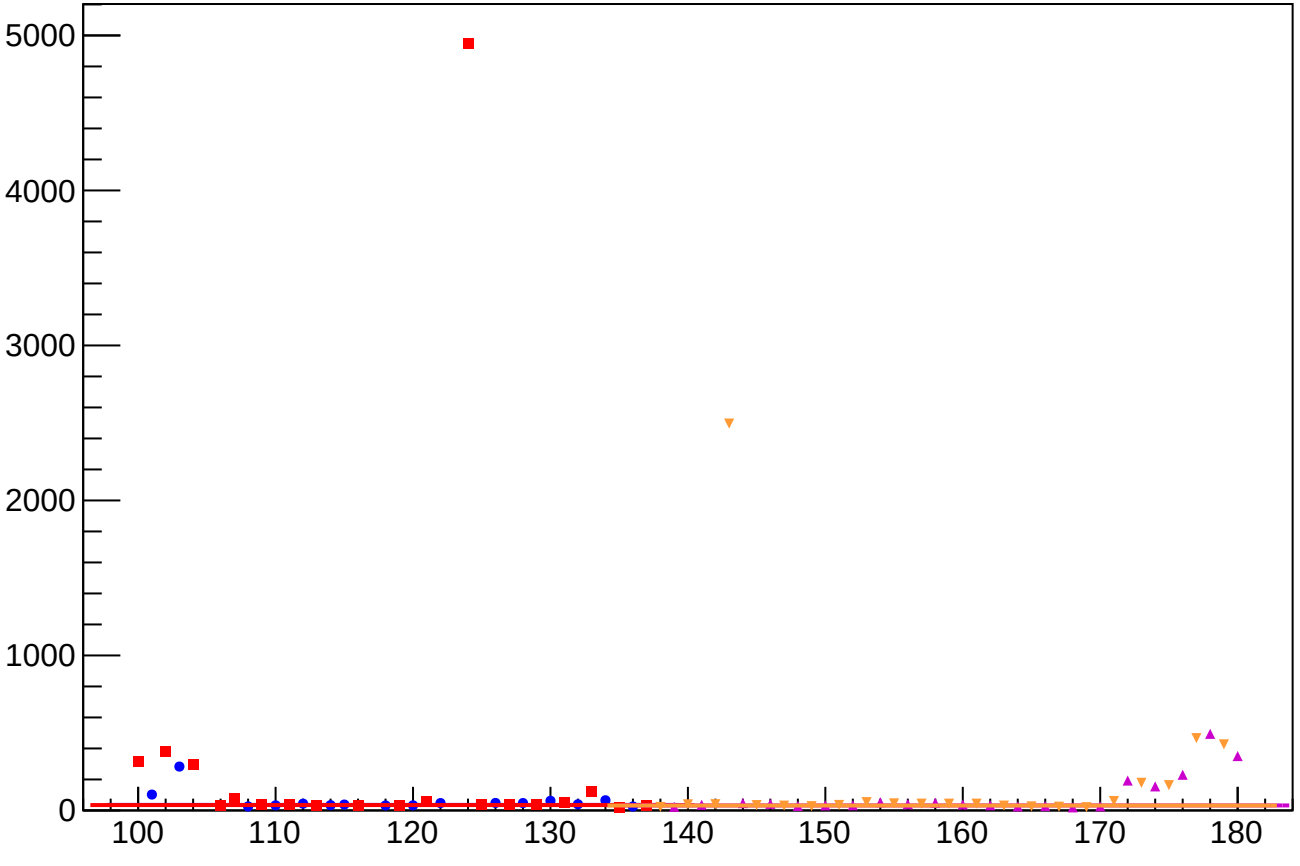
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

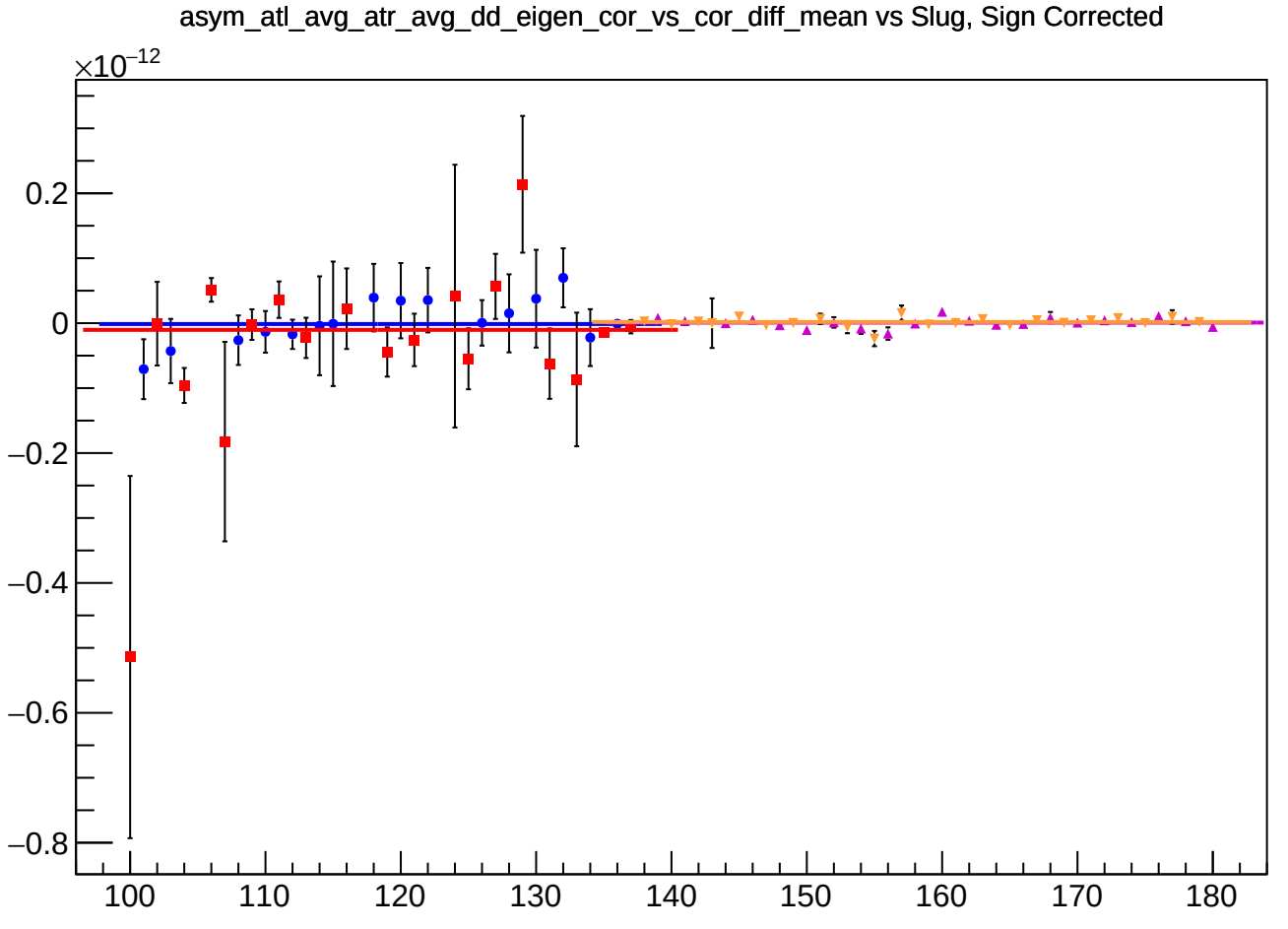
Left: 32.170+/-0.005 χ^2/NDF: 15458549.7/42

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

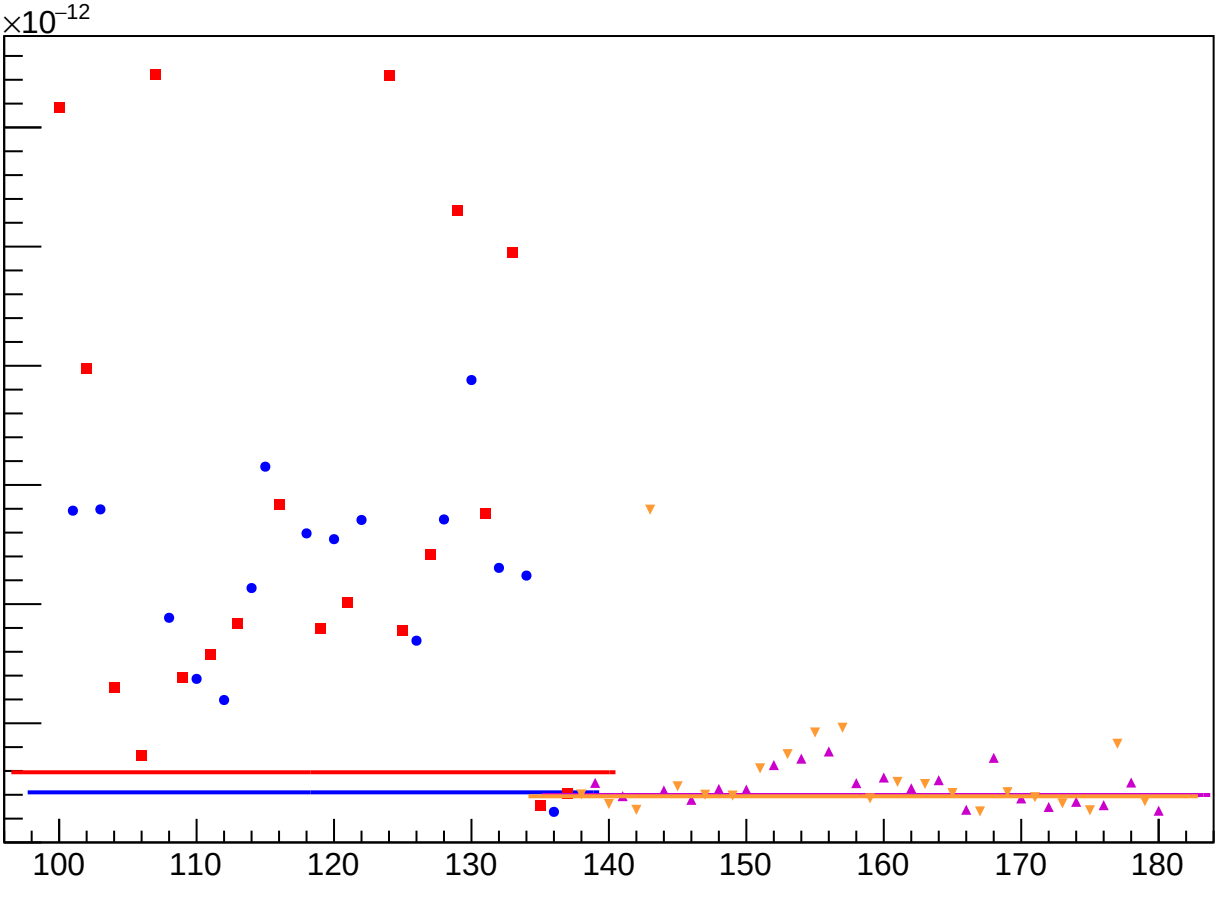
In: 33.294+/-0.006 χ^2/NDF:9757526.8/36

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:27.5/20
Left: 0.000+/-0.000 χ²/NDF: 43.3/42
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:36.5/36
Out: 0.000+/-0.000 χ²/NDF:63.1/40
All: 0.000+/-0.000 χ²/NDF: 99.7/77

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3302086.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2055609.6/20

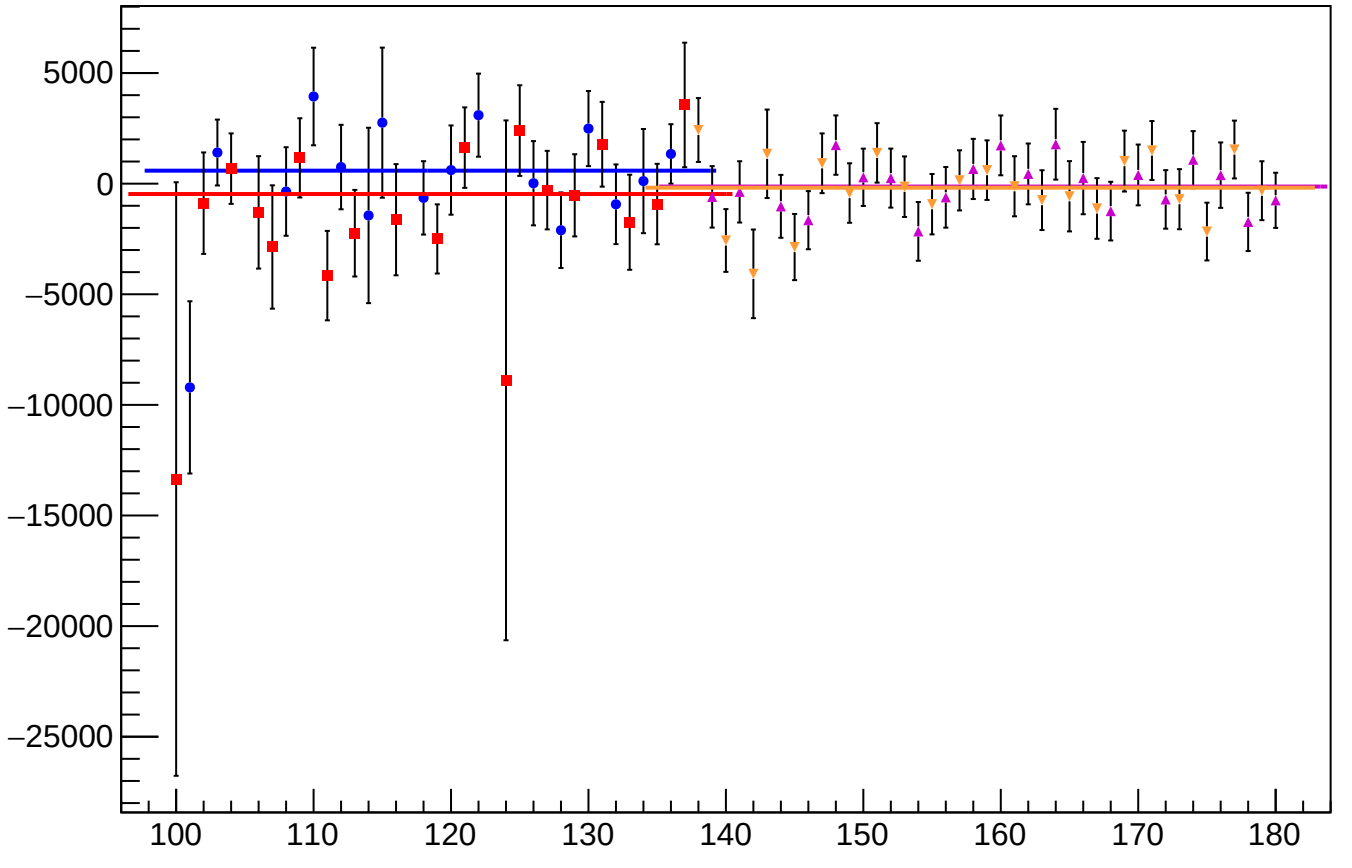
Left: 0.000+/-0.000 χ^2/NDF: 5365871.2/42

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:7143253.2/36

Out: 0.000+/-0.000 χ^2/NDF:8592833.7/40

All: 0.000+/-0.000 χ^2/NDF: 15736437.9/77



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -130.678+/-298.110 χ^2/NDF:14.1/20

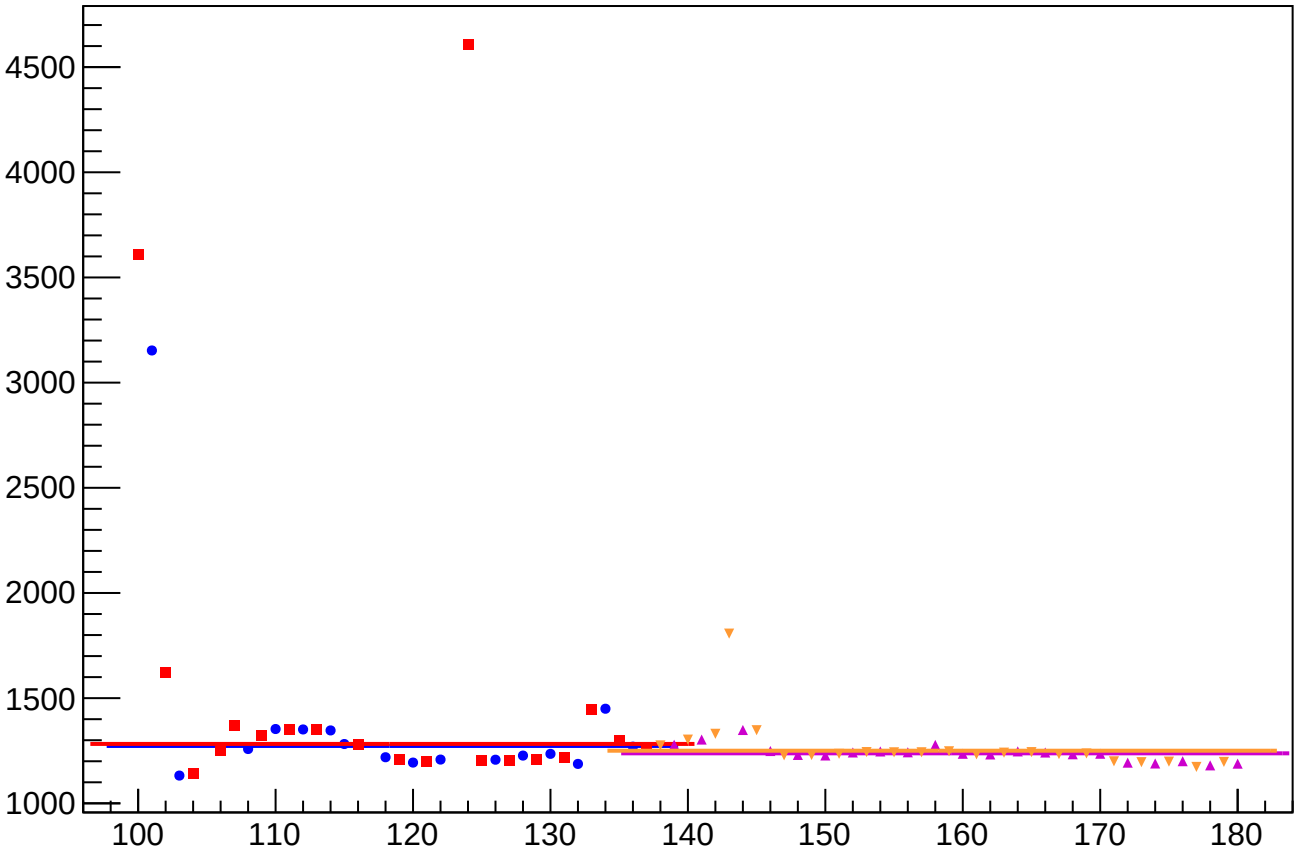
Left: -156.023+/-211.373 χ^2/NDF: 37.9/42

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 67.617+/-253.599 χ^2/NDF:32.8/36

Out: -262.147+/-254.324 χ^2/NDF:40.8/40

All: -96.795+/-179.578 χ^2/NDF: 74.5/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

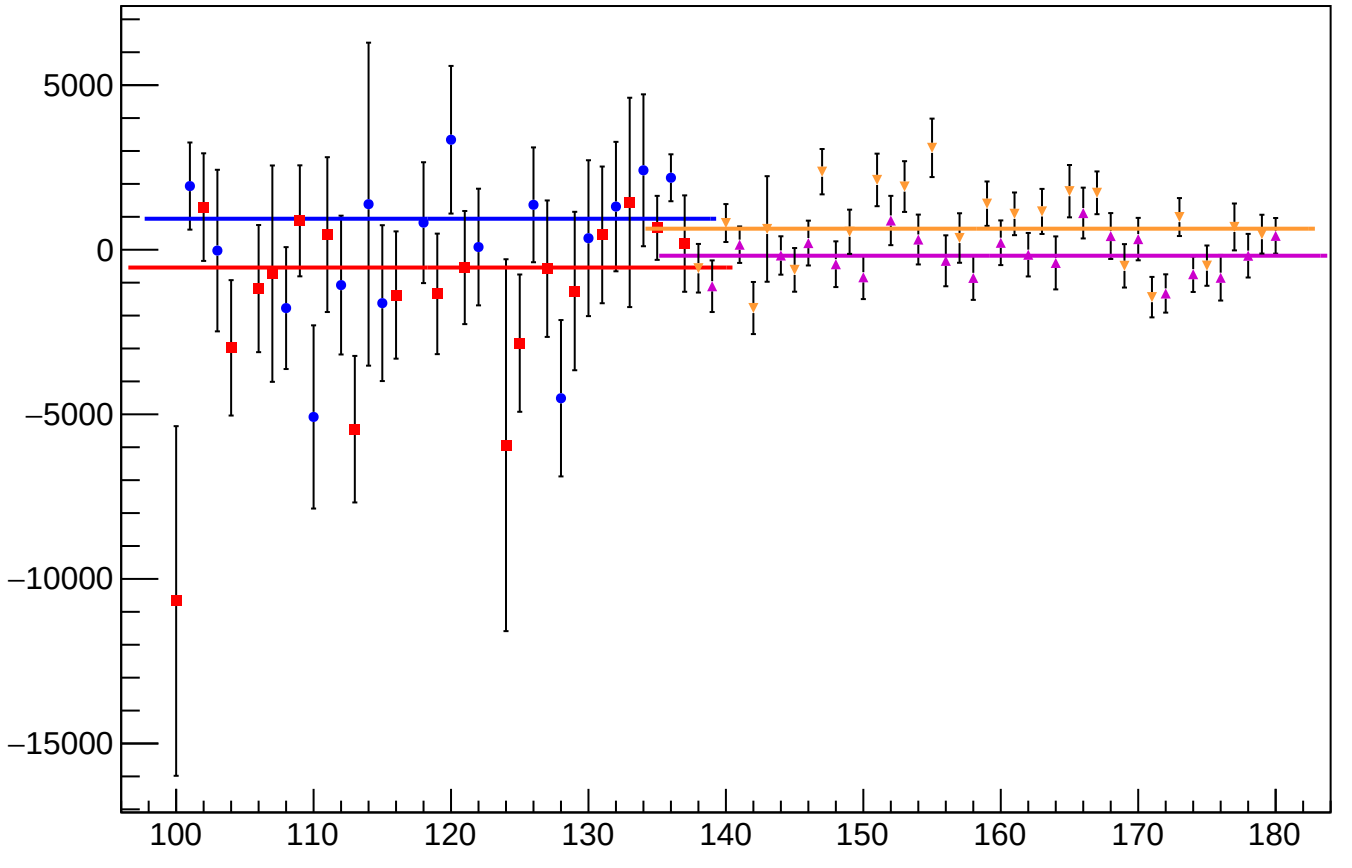
Left: 1243.888+/-0.149 χ^2/NDF: 227390.2/42

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1247.403+/-0.179 χ^2/NDF:560856.9/36

Out: 1259.168+/-0.180 χ^2/NDF:520315.8/40

All: 1253.269+/-0.127 χ^2/NDF: 1083318.7/77



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 639.461+/-147.684 χ^2/NDF:61.3/21

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -181.815+/-144.242 χ^2/NDF:18.4/20

Left: 219.142+/-103.190 χ^2/NDF: 95.6/42

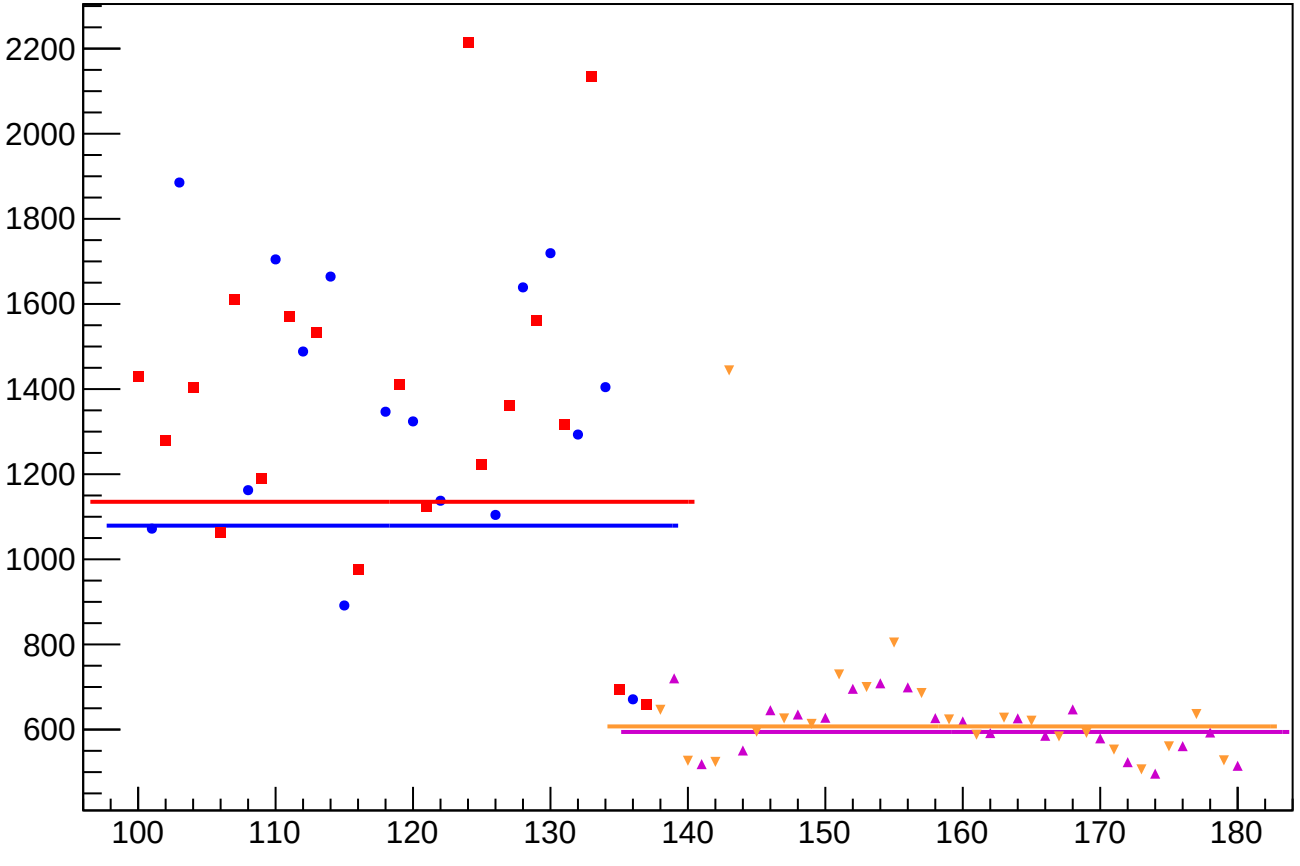
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -66.170+/-136.618 χ^2/NDF:44.6/36

Out: 519.930+/-140.005 χ^2/NDF:84.9/40

All: 219.705+/-97.779 χ^2/NDF: 138.5/77

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: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

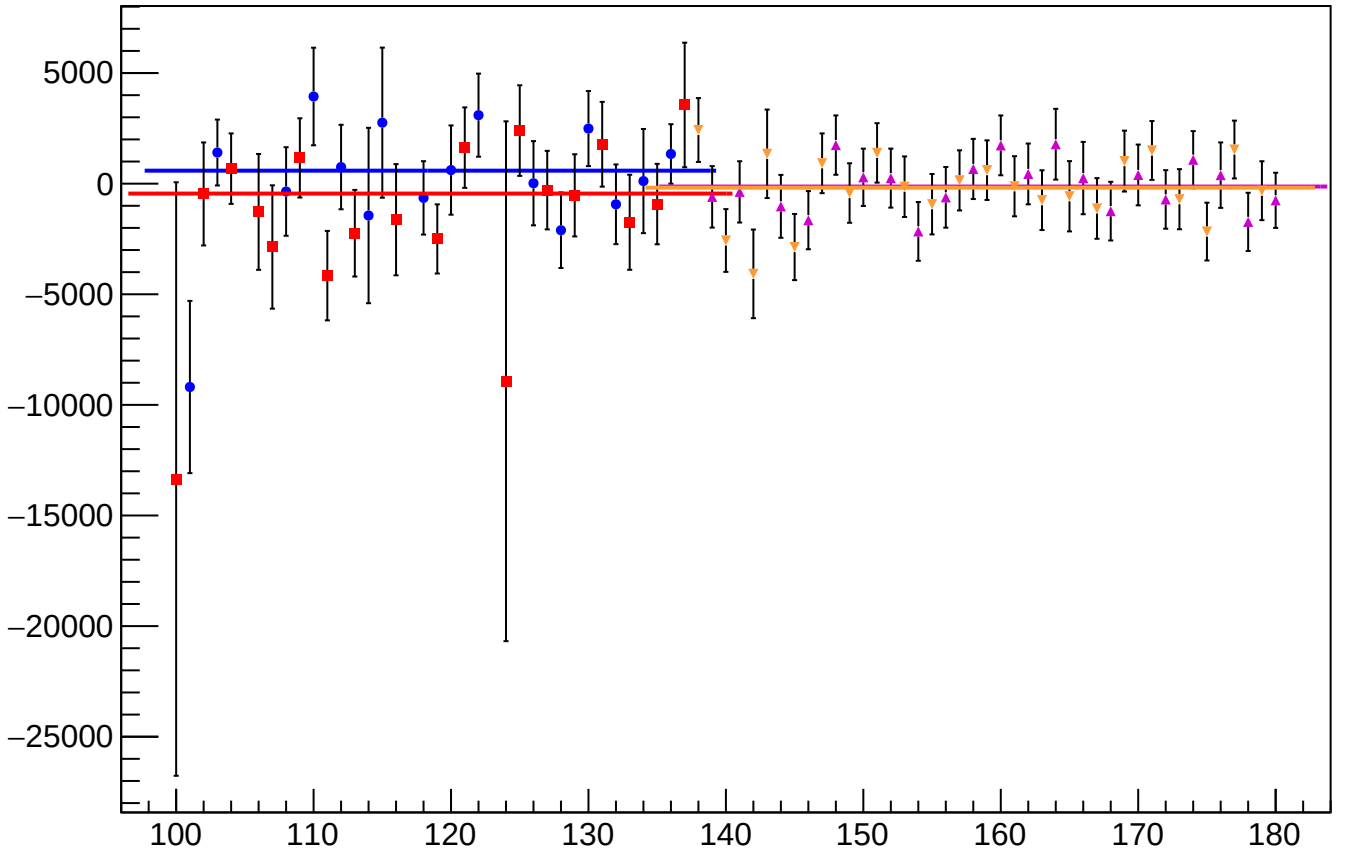
Left: 600.690+/-0.073 χ^2/NDF: 1364144.6/42

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 644.230+/-0.097 χ^2/NDF:4216545.8/36

Out: 660.816+/-0.099 χ^2/NDF:4827737.9/40

All: 652.320+/-0.069 χ^2/NDF: 9058661.3/77



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -130.707+/-298.110 χ^2/NDF:14.1/20

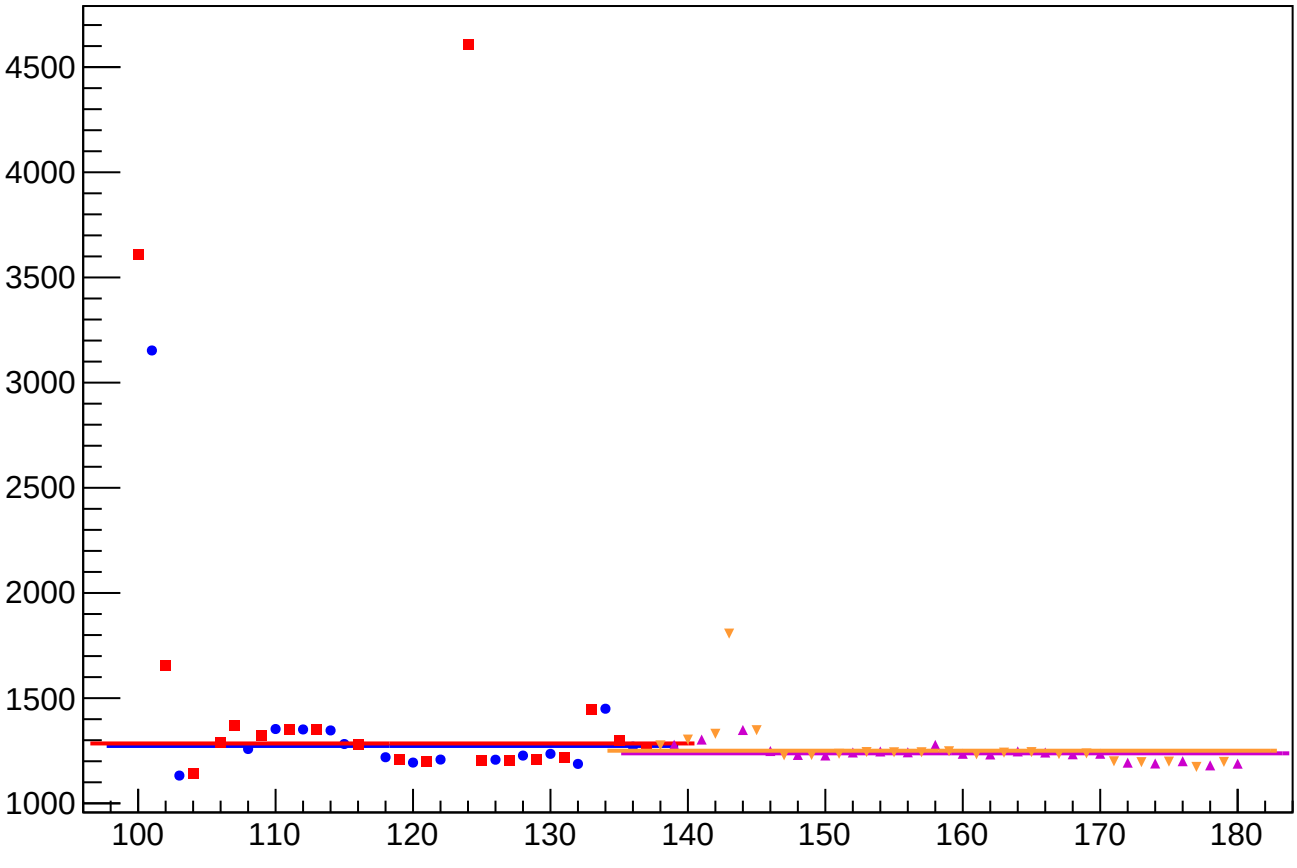
Left: -156.054+/-211.373 χ^2/NDF: 37.9/42

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 67.684+/-253.599 χ^2/NDF:32.8/36

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -93.728+/-179.620 χ^2/NDF: 74.4/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

Left: 1243.888+/-0.149 χ^2/NDF: 227390.1/42

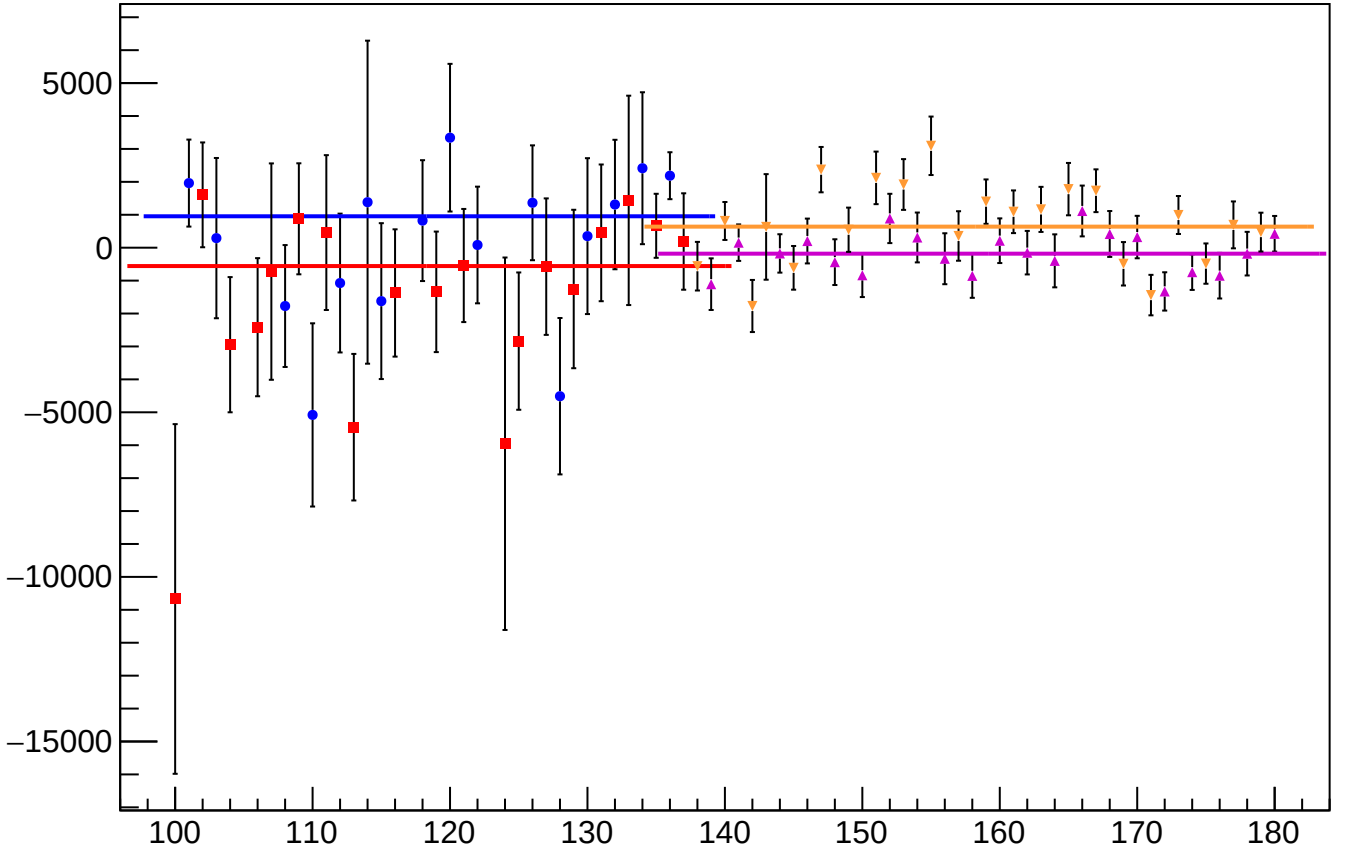
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1247.403+/-0.179 χ^2/NDF:560858.2/36

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.785+/-144.242 χ^2/NDF:18.4/20

Left: 219.176+/-103.190 χ^2/NDF: 95.6/42

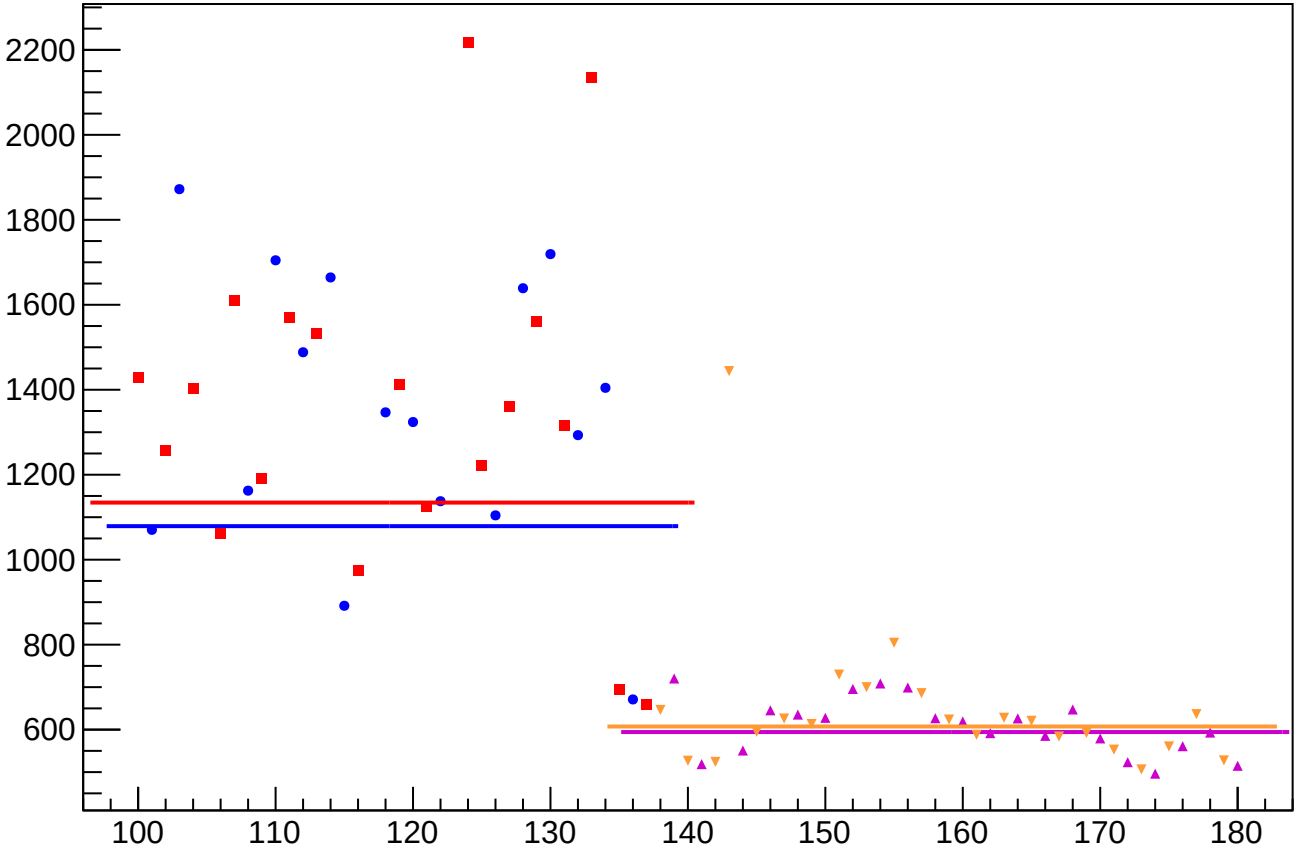
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -64.782+/-136.611 χ^2/NDF:44.7/36

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 219.714+/-97.786 χ^2/NDF: 139.9/77

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

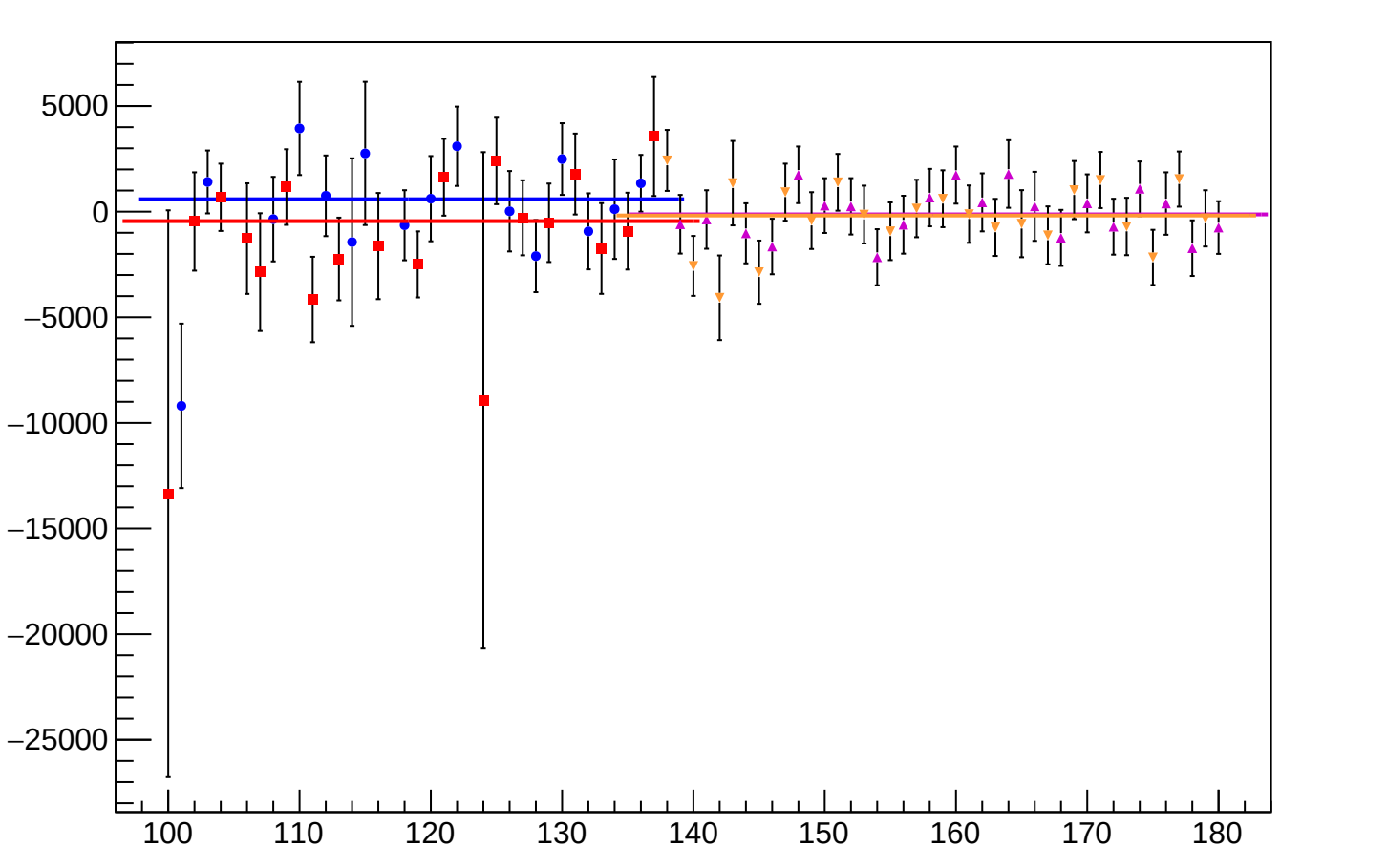
Left: 600.689+/-0.073 χ^2/NDF: 1364155.0/42

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 644.245+/-0.097 χ^2/NDF:4213006.8/36

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -130.707+/-298.110 χ^2/NDF:14.1/20

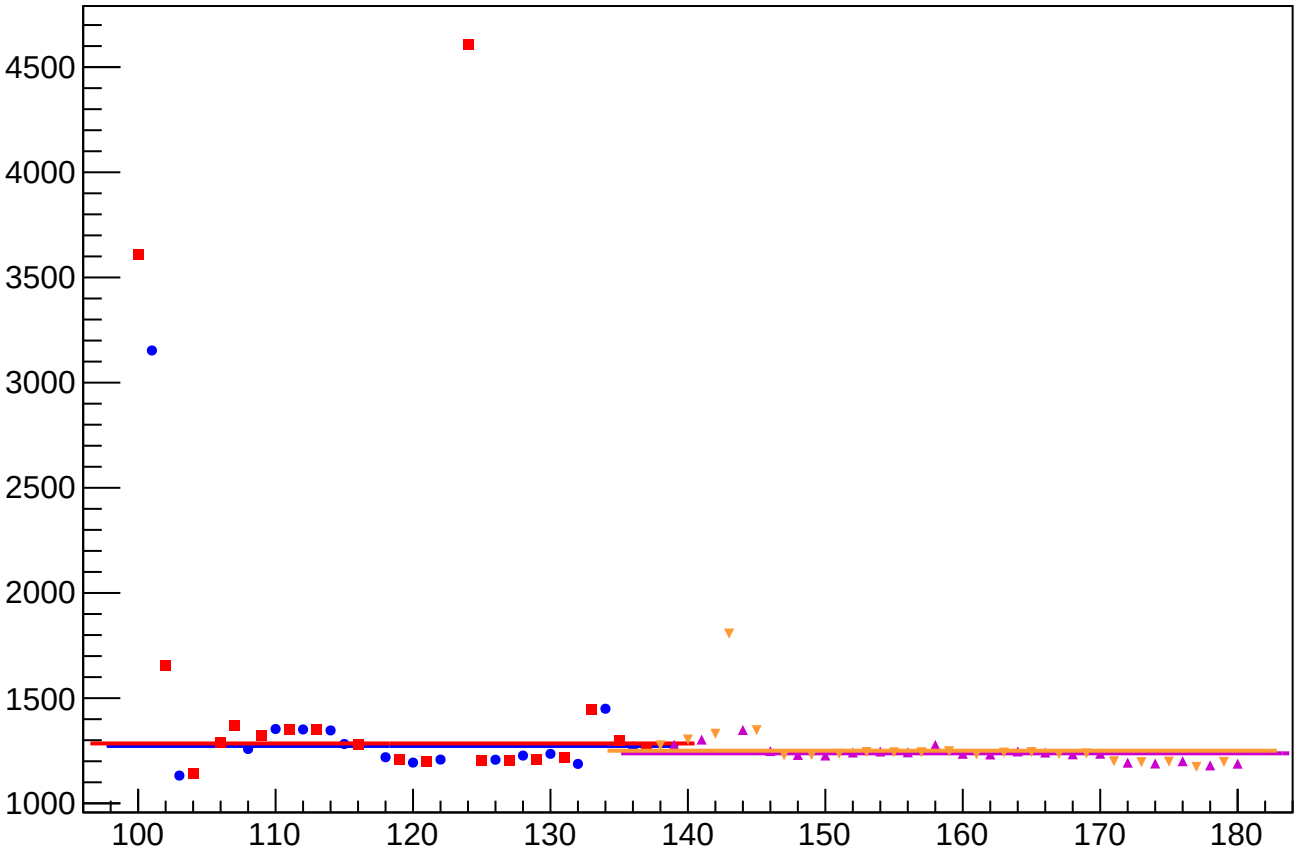
Left: -156.054+/-211.373 χ^2/NDF: 37.9/42

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 67.684+/-253.599 χ^2/NDF:32.8/36

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -93.728+/-179.620 χ^2/NDF: 74.4/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

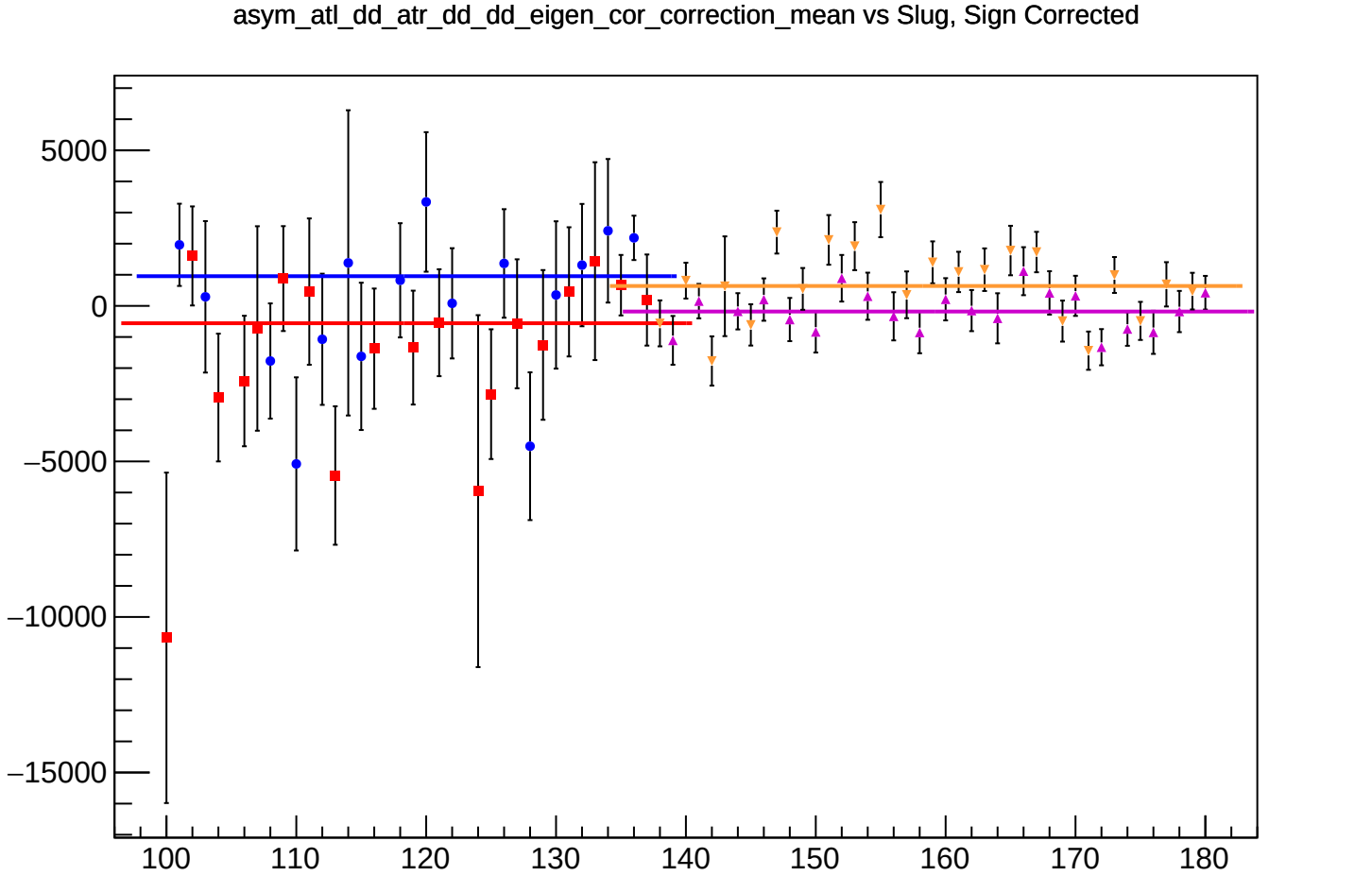
Left: 1243.888+/-0.149 χ^2/NDF: 227390.1/42

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1247.403+/-0.179 χ^2/NDF:560858.2/36

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.785+/-144.242 χ^2/NDF:18.4/20

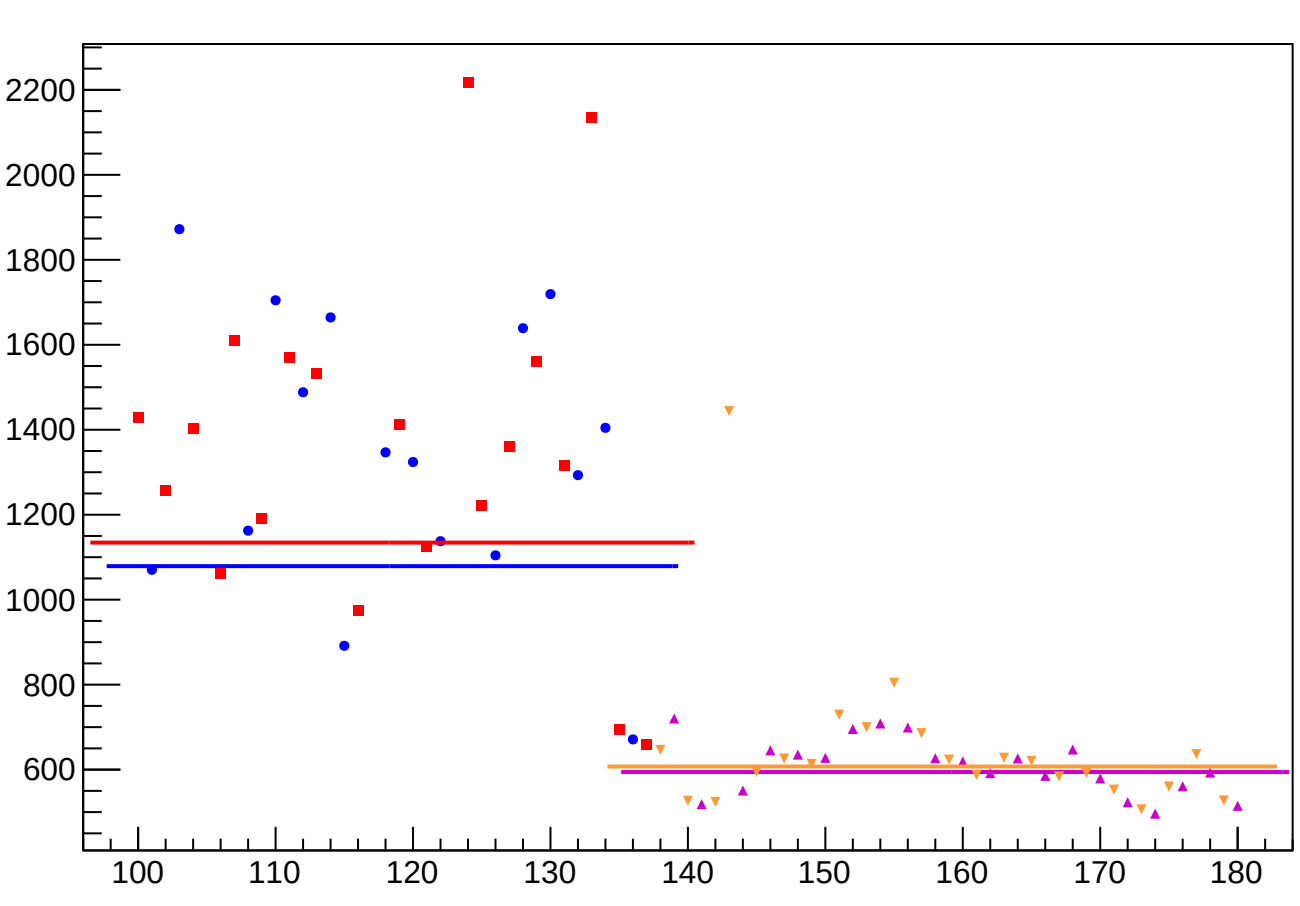
Left: 219.176+/-103.190 χ^2/NDF: 95.6/42

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -64.782+/-136.611 χ^2/NDF:44.7/36

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 219.714+/-97.786 χ^2/NDF: 139.9/77



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

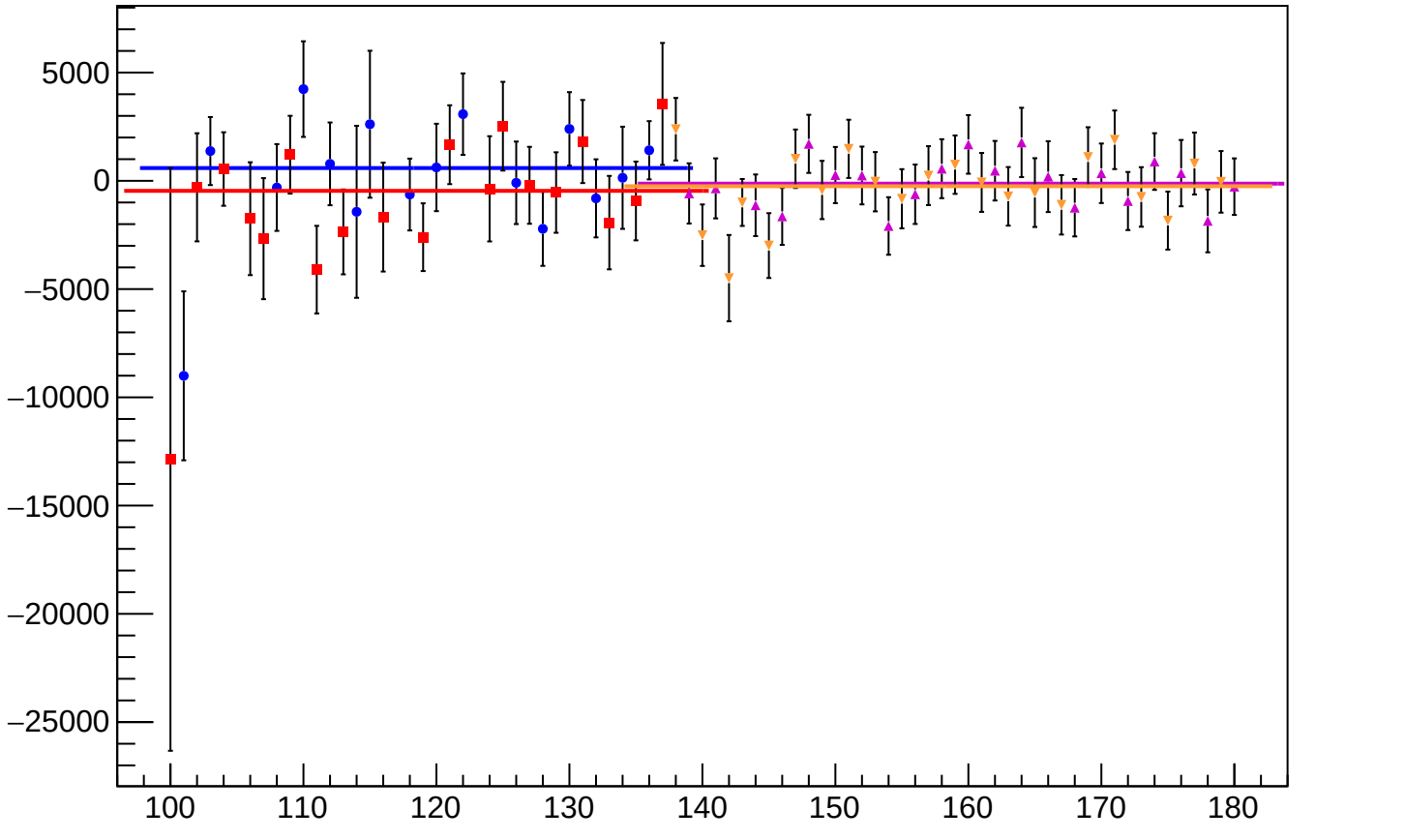
Left: 600.689+/-0.073 χ^2/NDF: 1364155.0/42

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 644.245+/-0.097 χ^2/NDF:4213006.8/36

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.722+/-294.971 χ^2/NDF:23.8/21

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -129.589+/-301.288 χ^2/NDF:13.3/20

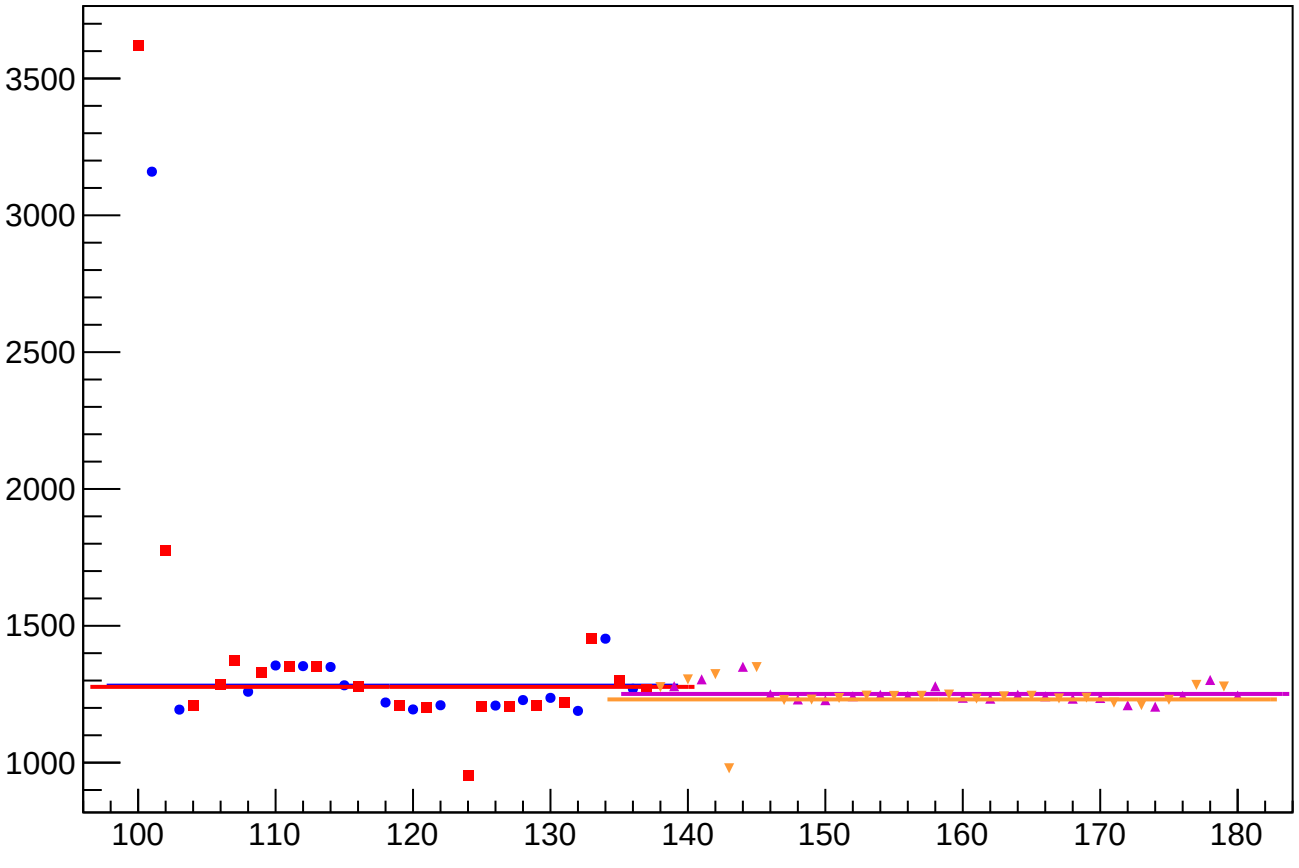
Left: -190.928+/-210.774 χ^2/NDF: 37.1/42

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 70.583+/-255.997 χ^2/NDF:32.0/36

Out: -308.647+/-250.848 χ^2/NDF:40.6/40

All: -122.885+/-179.169 χ^2/NDF: 73.7/77



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

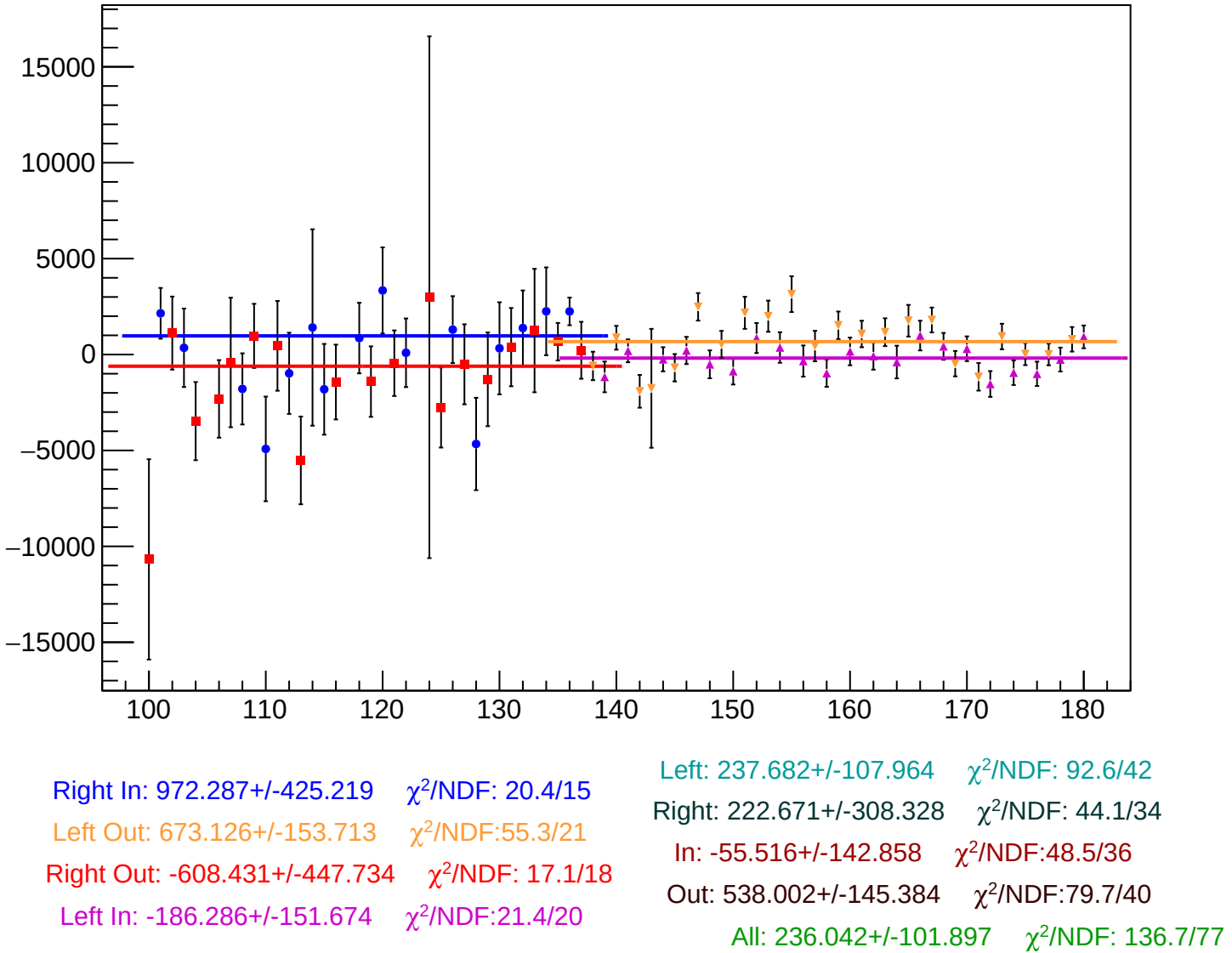
Left: 1240.844+/-0.149 χ^2/NDF: 166831.8/42

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

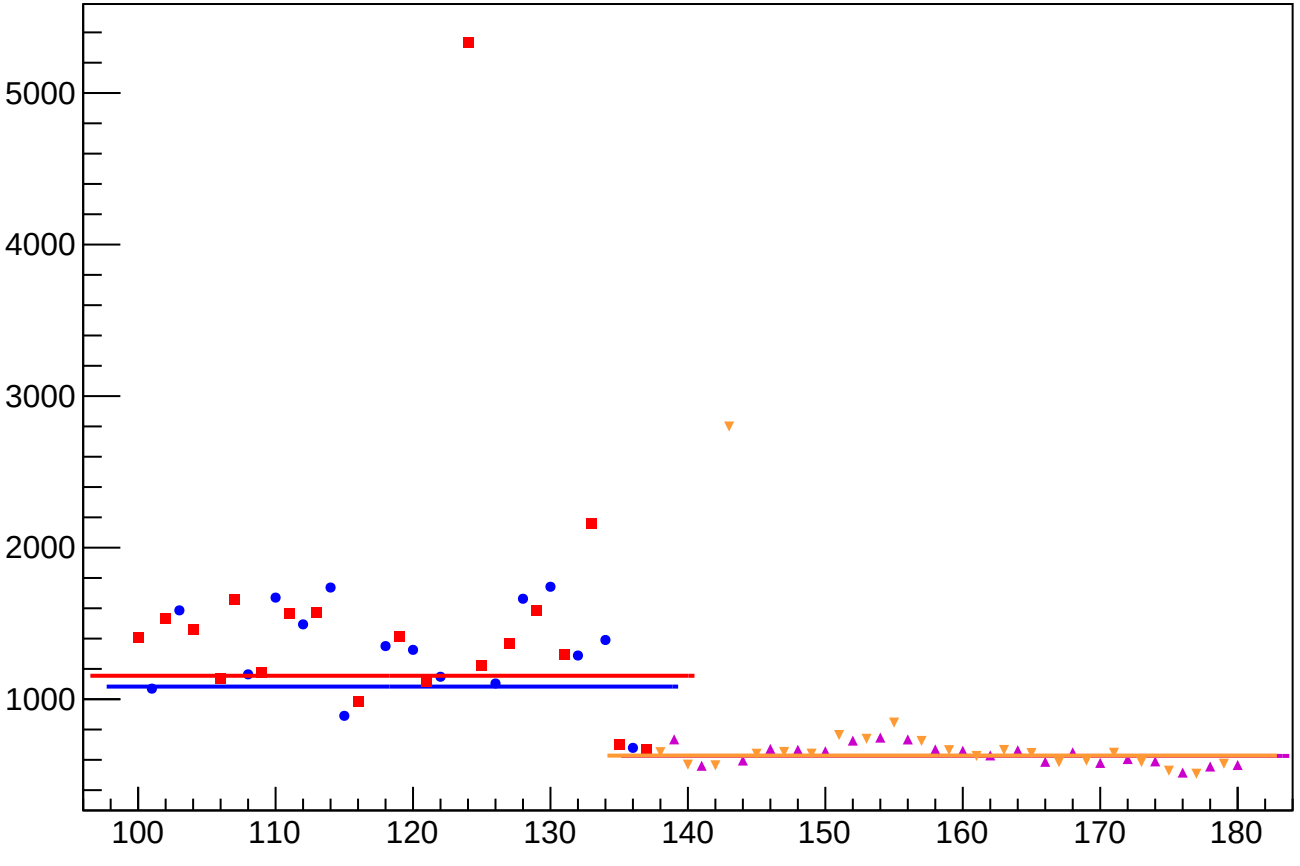
In: 1259.474+/-0.181 χ^2/NDF:536399.4/36

Out: 1243.744+/-0.177 χ^2/NDF:372512.3/40

All: 1251.450+/-0.127 χ^2/NDF: 912763.9/77


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 673.126+/-153.713 χ²/NDF:55.3/21
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -186.286+/-151.674 χ²/NDF:21.4/20
Left: 237.682+/-107.964 χ²/NDF: 92.6/42
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: -55.516+/-142.858 χ²/NDF:48.5/36
Out: 538.002+/-145.384 χ²/NDF:79.7/40
All: 236.042+/-101.897 χ²/NDF: 136.7/77

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443082.4/21

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

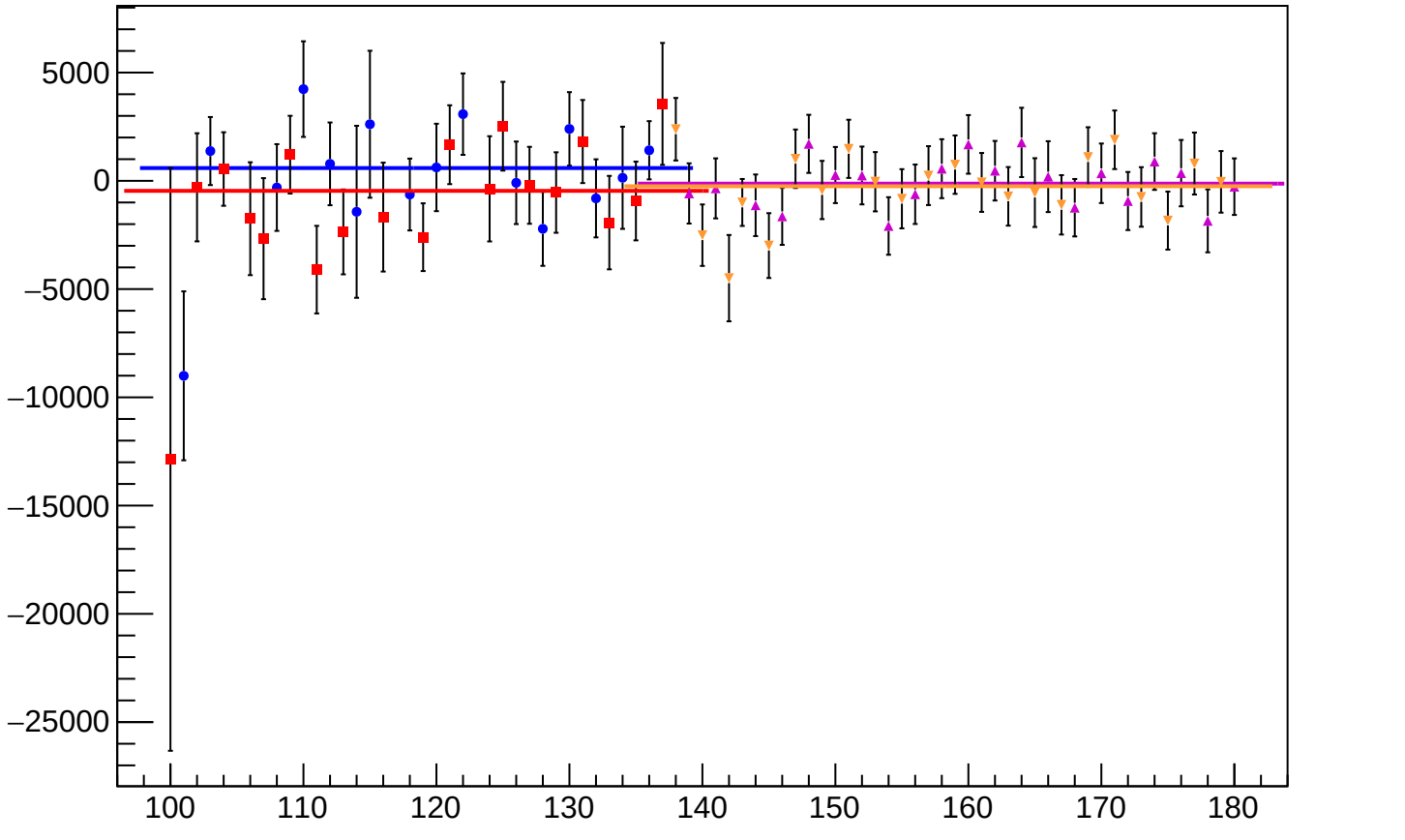
Left: 626.827+/-0.076 χ^2/NDF: 1789308.7/42

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 677.421+/-0.101 χ^2/NDF:3760591.5/36

Out: 683.453+/-0.103 χ^2/NDF:5408357.6/40

All: 680.384+/-0.072 χ^2/NDF: 9170700.9/77



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -129.589+/-301.288 χ^2/NDF:13.3/20

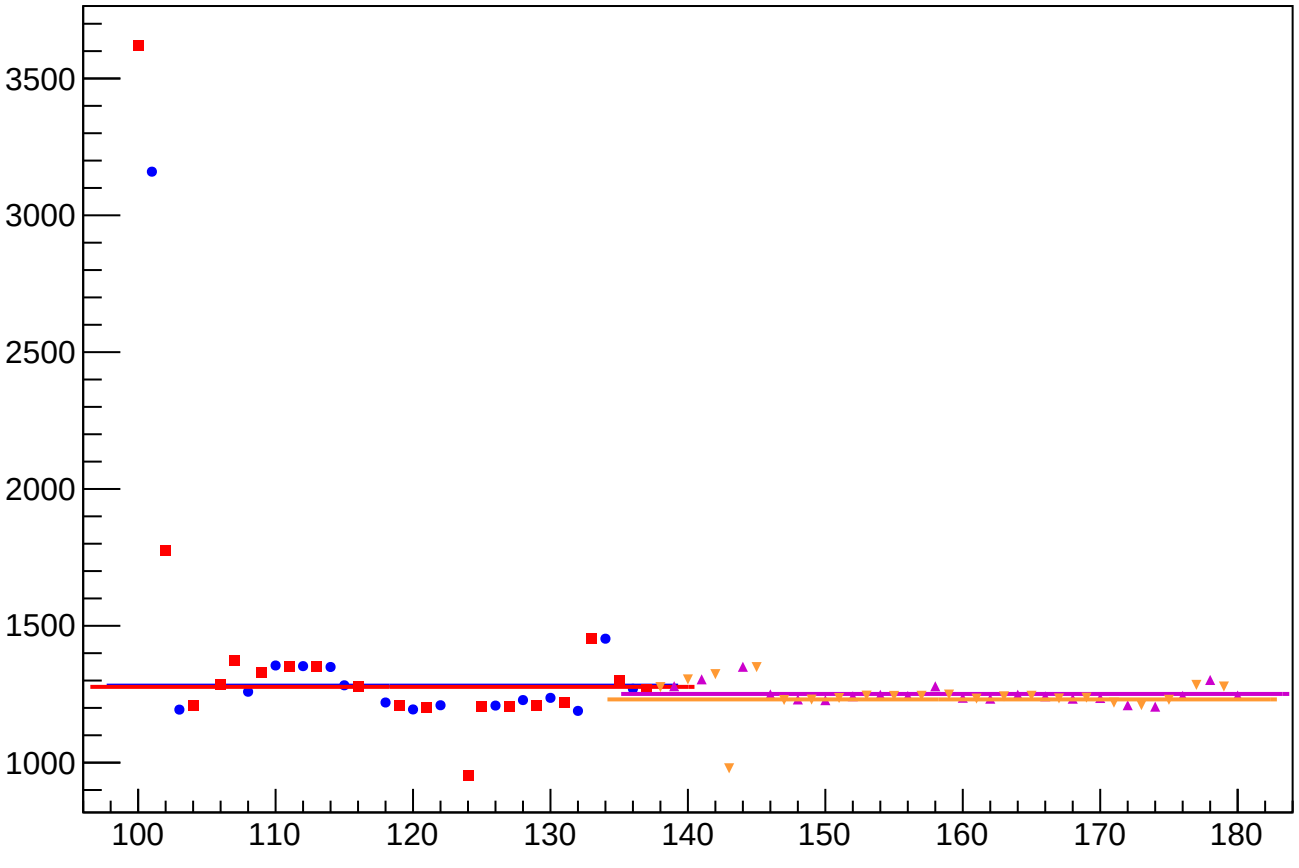
Left: -190.929+/-210.774 χ^2/NDF: 37.1/42

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 70.583+/-255.997 χ^2/NDF:32.0/36

Out: -308.648+/-250.848 χ^2/NDF:40.6/40

All: -122.885+/-179.169 χ^2/NDF: 73.7/77



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

Left: 1240.844+/-0.149 χ^2/NDF: 166830.8/42

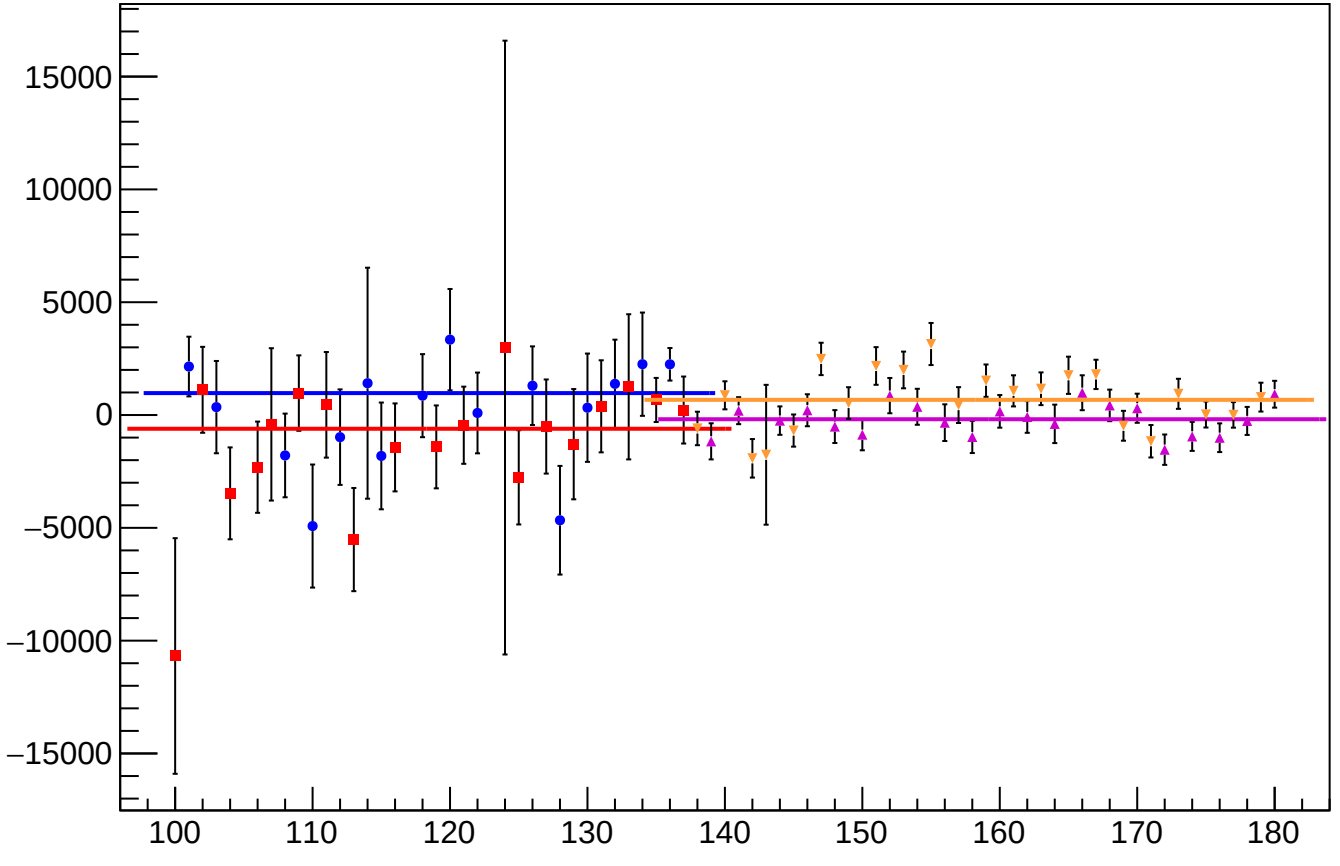
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.474+/-0.181 χ^2/NDF:536399.5/36

Out: 1243.744+/-0.177 χ^2/NDF:372511.3/40

All: 1251.449+/-0.127 χ^2/NDF: 912762.9/77

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: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -186.285+/-151.674 χ^2/NDF:21.4/20

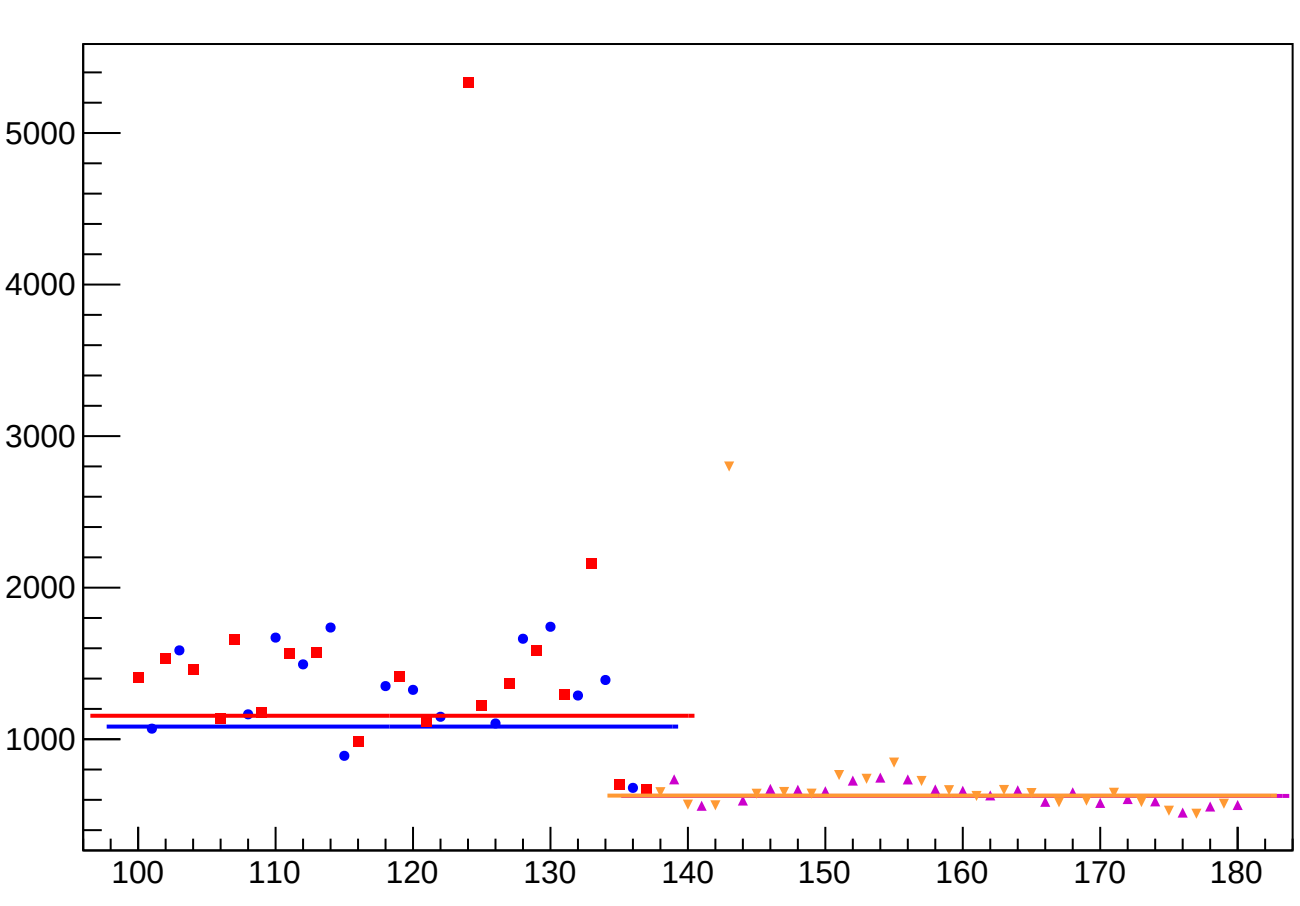
Left: 237.682+/-107.963 χ^2/NDF: 92.6/42

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -55.517+/-142.858 χ^2/NDF:48.5/36

Out: 538.003+/-145.384 χ^2/NDF:79.7/40

All: 236.042+/-101.897 χ^2/NDF: 136.7/77



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

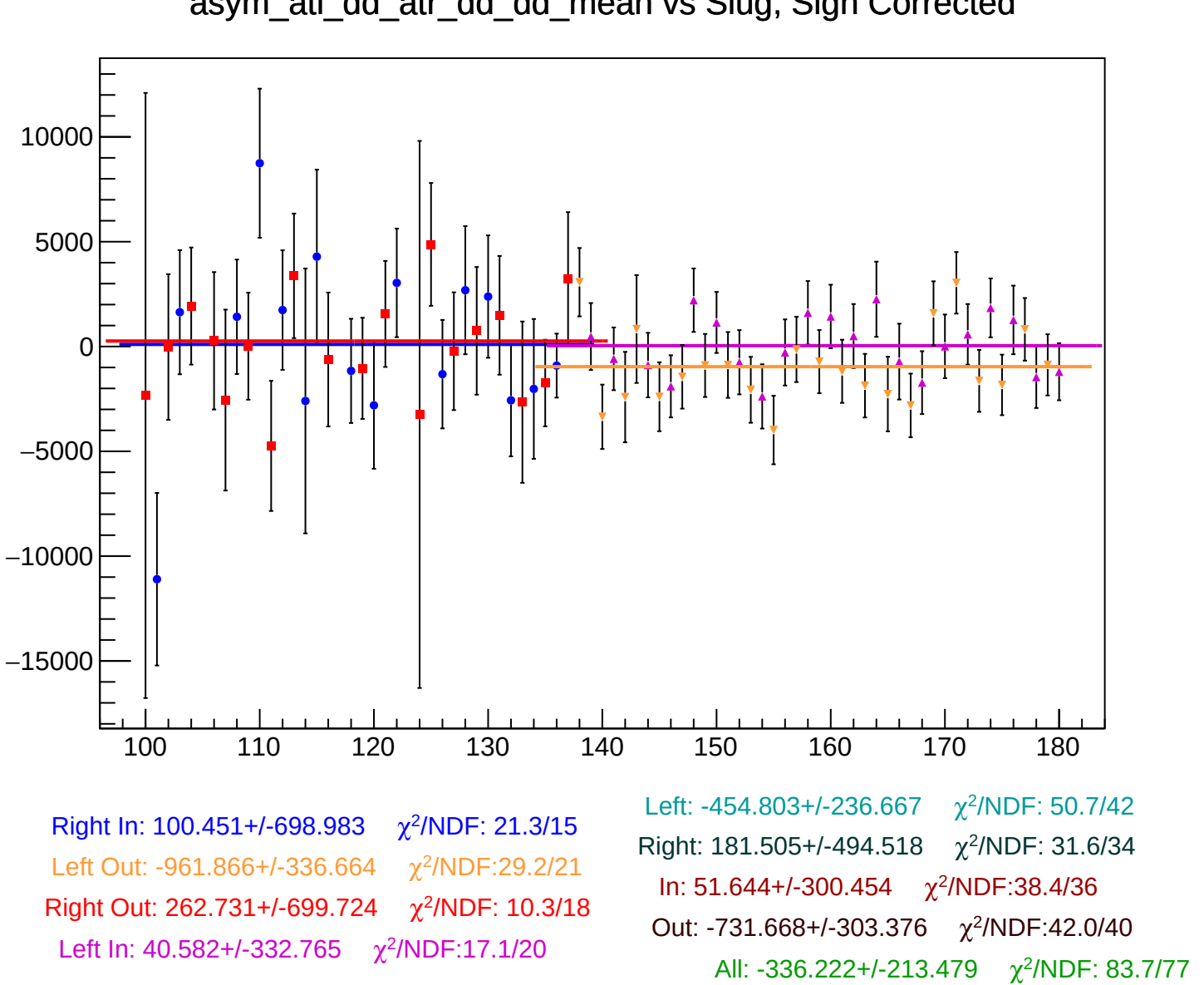
Left: 626.826+/-0.076 χ^2/NDF: 1789314.4/42

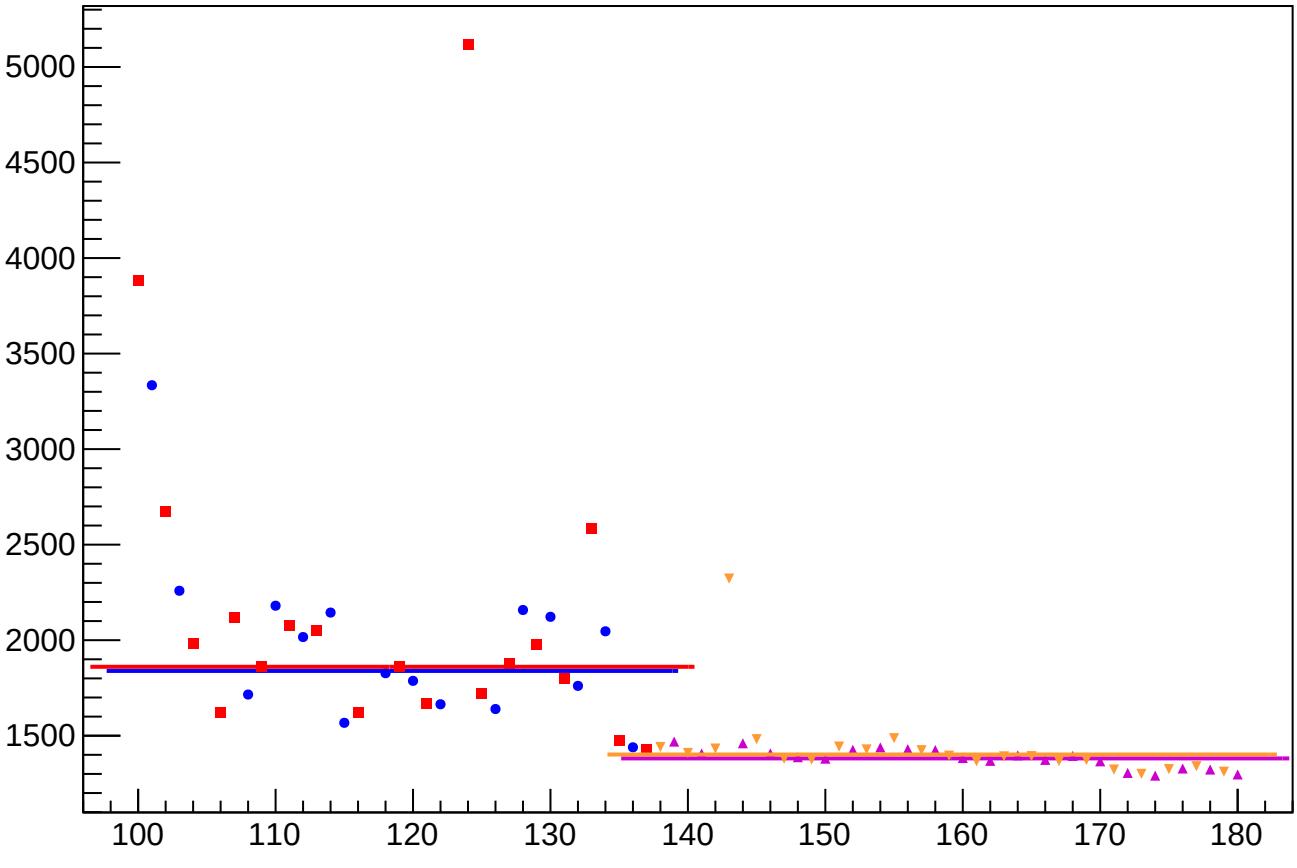
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 677.420+/-0.101 χ^2/NDF:3760593.6/36

Out: 683.453+/-0.103 χ^2/NDF:5408356.2/40

All: 680.384+/-0.072 χ^2/NDF: 9170701.8/77


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -961.866+/-336.664 χ²/NDF:29.2/21
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 40.582+/-332.765 χ²/NDF:17.1/20
Left: -454.803+/-236.667 χ²/NDF: 50.7/42
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 51.644+/-300.454 χ²/NDF:38.4/36
Out: -731.668+/-303.376 χ²/NDF:42.0/40
All: -336.222+/-213.479 χ²/NDF: 83.7/77



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

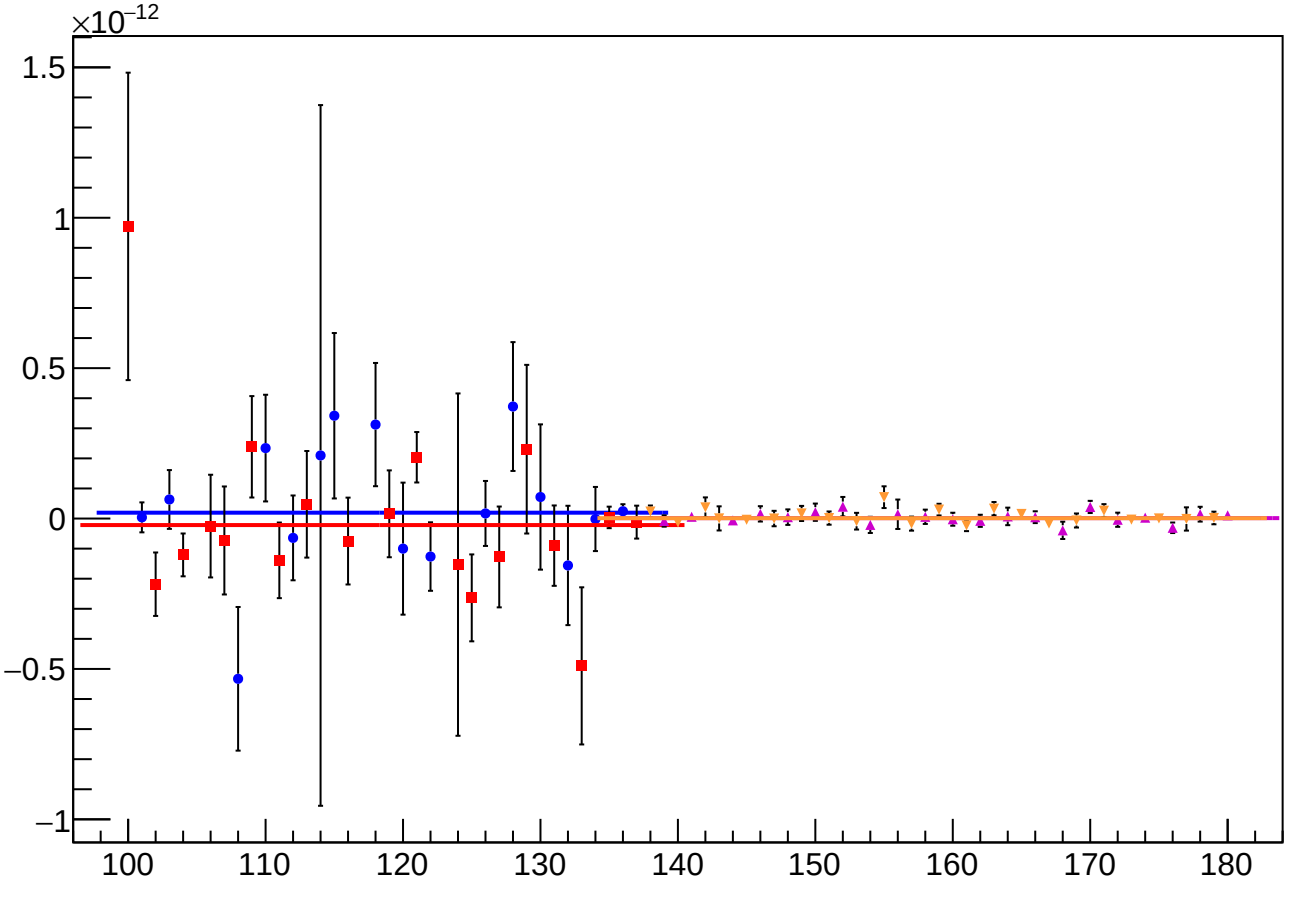
Left: 1391.294+/-0.167 χ^2/NDF: 357967.1/42

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1465.814+/-0.212 χ^2/NDF:1304415.5/36

Out: 1487.927+/-0.215 χ^2/NDF:1527660.0/40

All: 1476.763+/-0.151 χ^2/NDF: 2837440.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/20

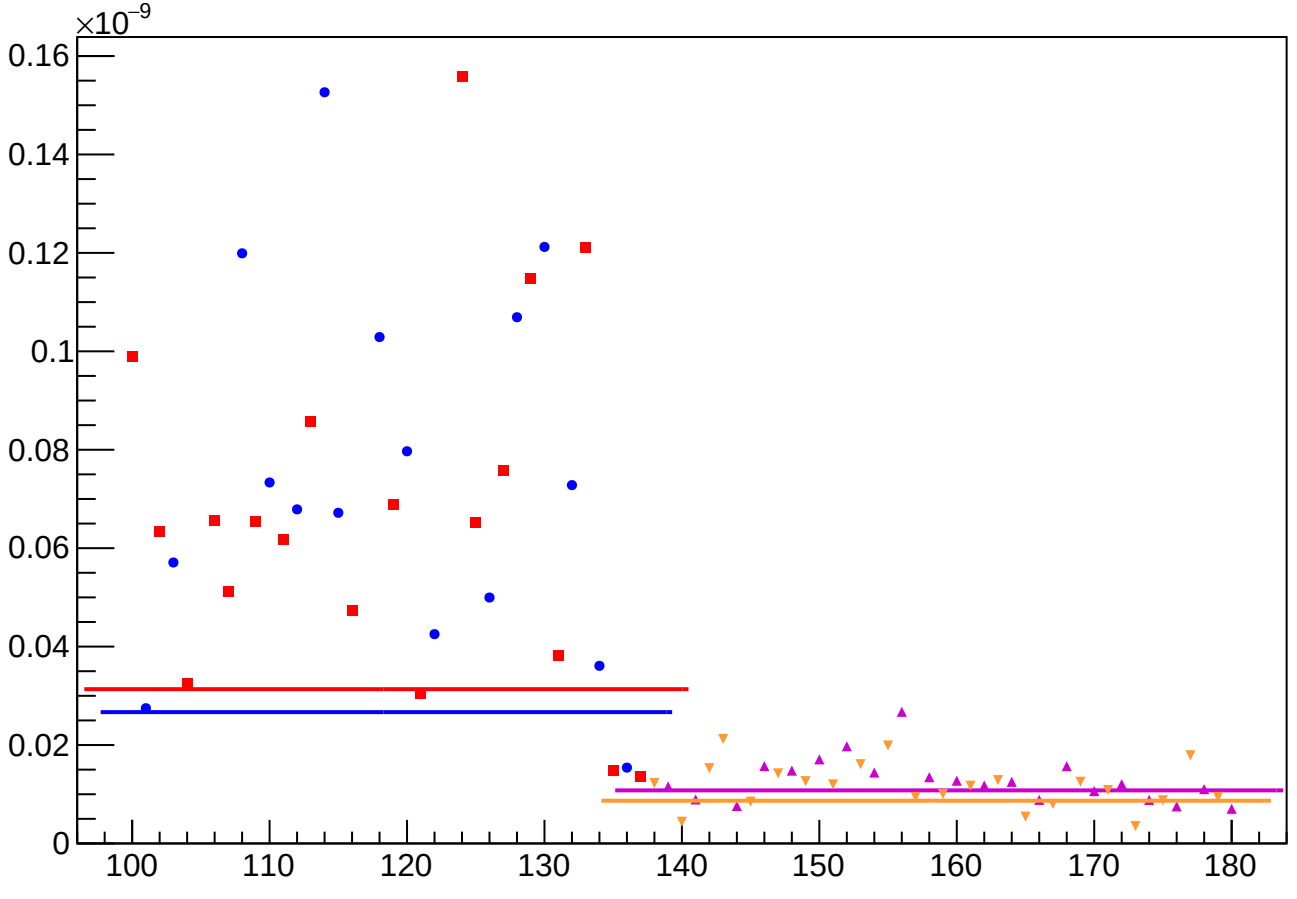
Left: 0.000+/-0.000 χ^2/NDF: 32.1/42

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/36

Out: 0.000+/-0.000 χ^2/NDF:47.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116927.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1133312.5/20

Left: 0.000+/-0.000 χ^2/NDF: 3493835.0/42

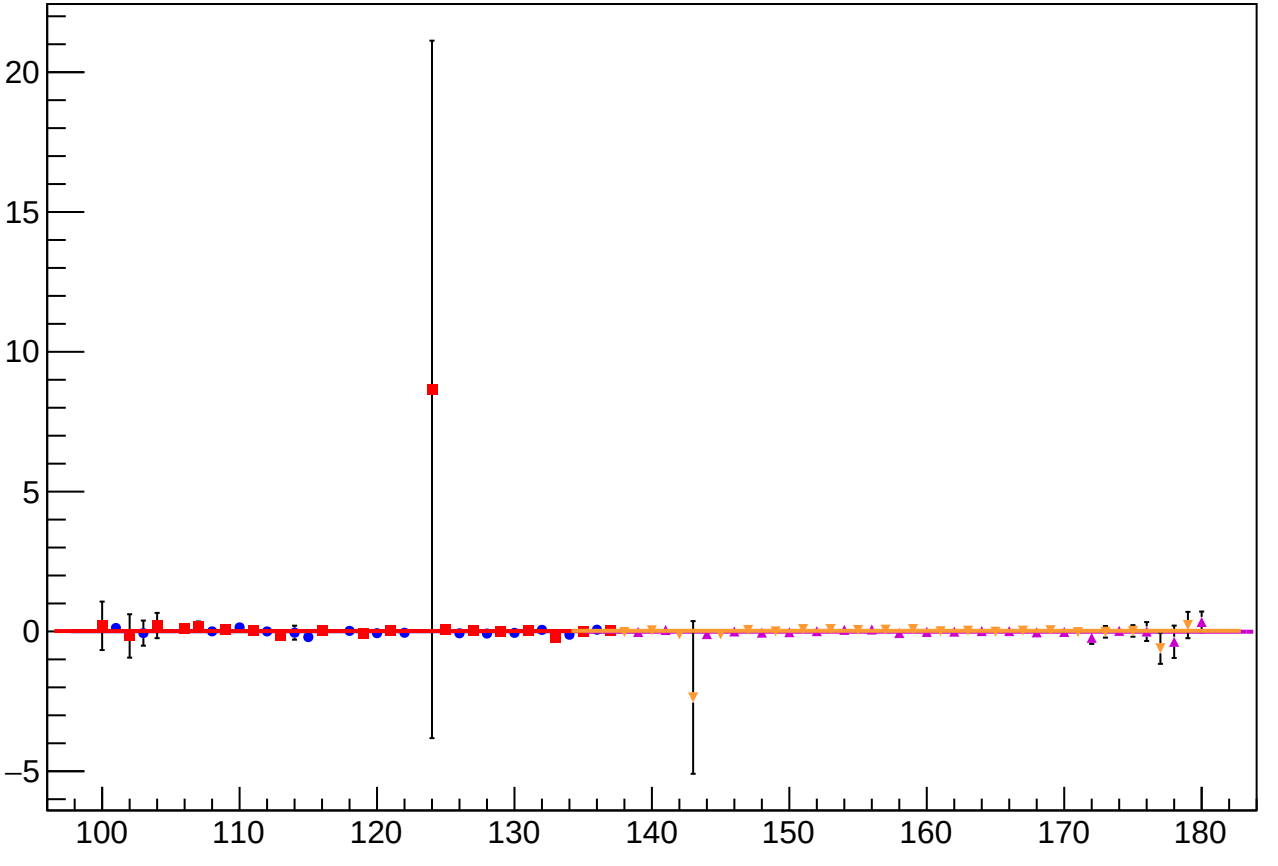
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5064435.9/36

Out: 0.000+/-0.000 χ^2/NDF:6395833.1/40

All: 0.000+/-0.000 χ^2/NDF: 11762889.7/77

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

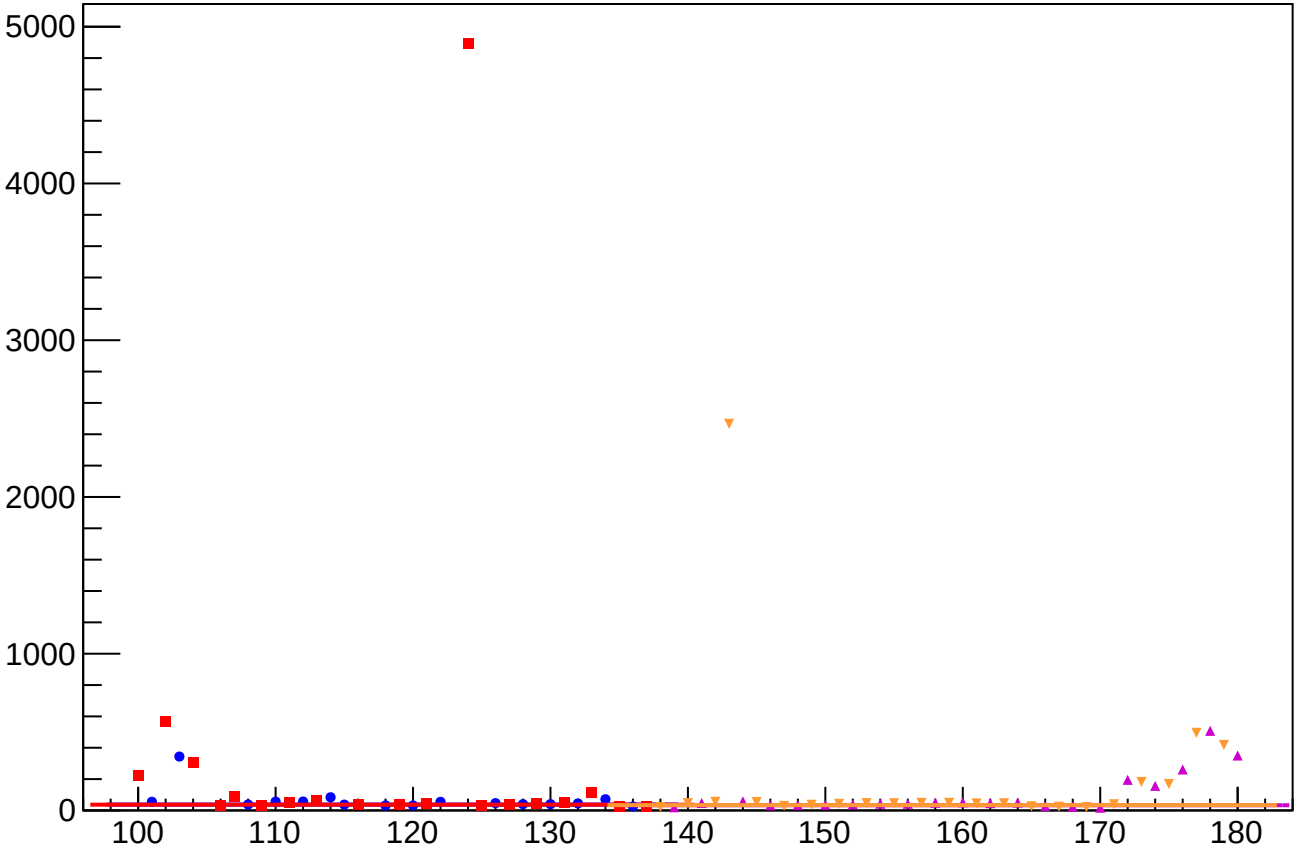
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

Left: 33.583+/-0.005 χ^2/NDF: 17096878.4/42

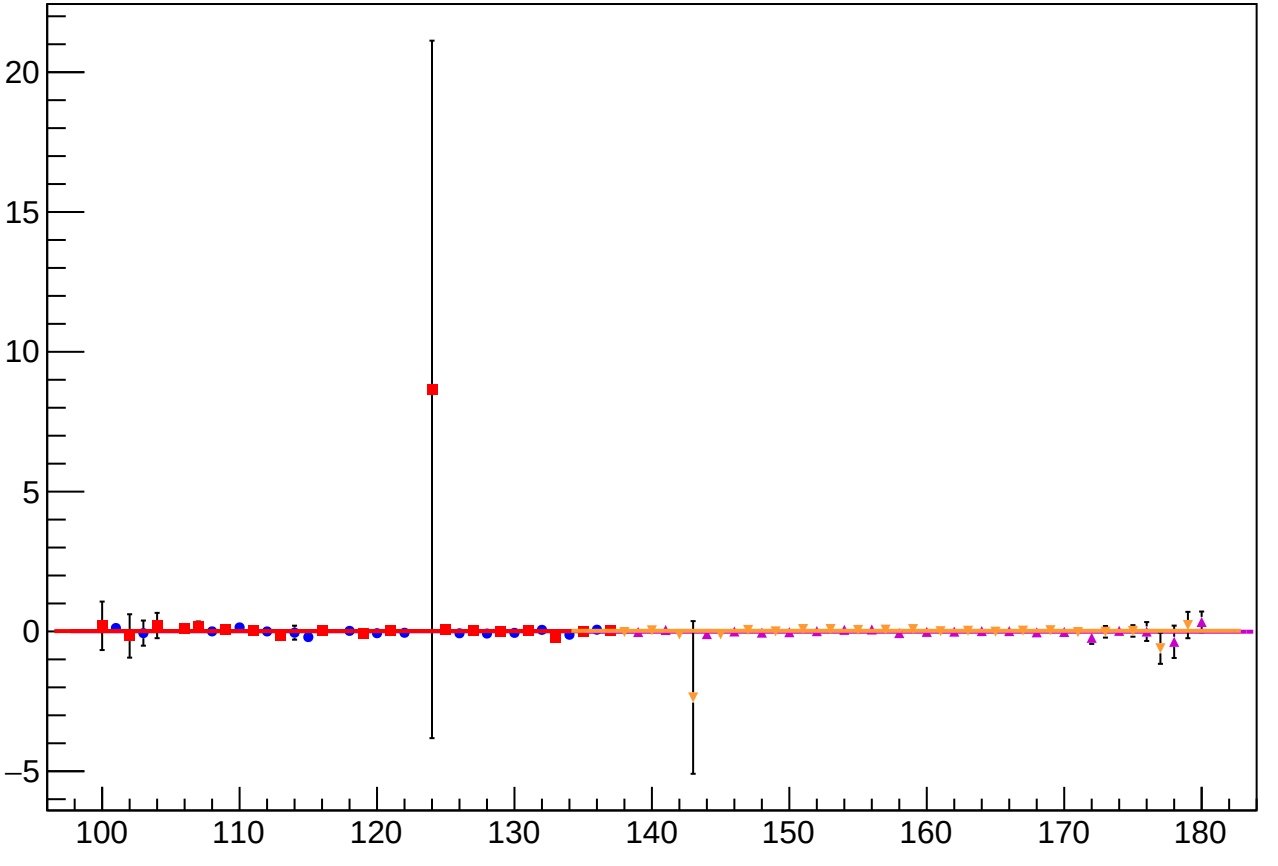
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.379+/-0.006 χ^2/NDF:10628077.6/36

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

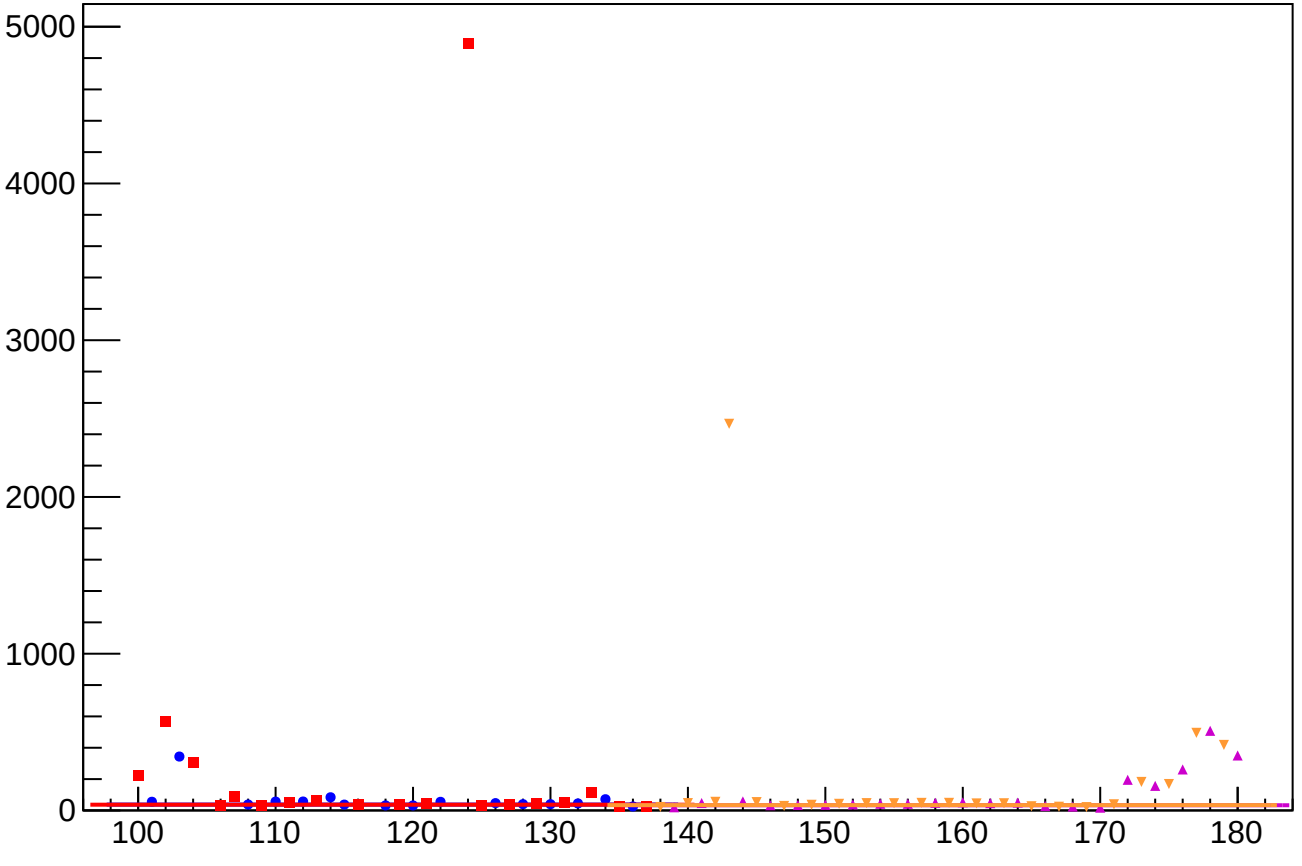
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

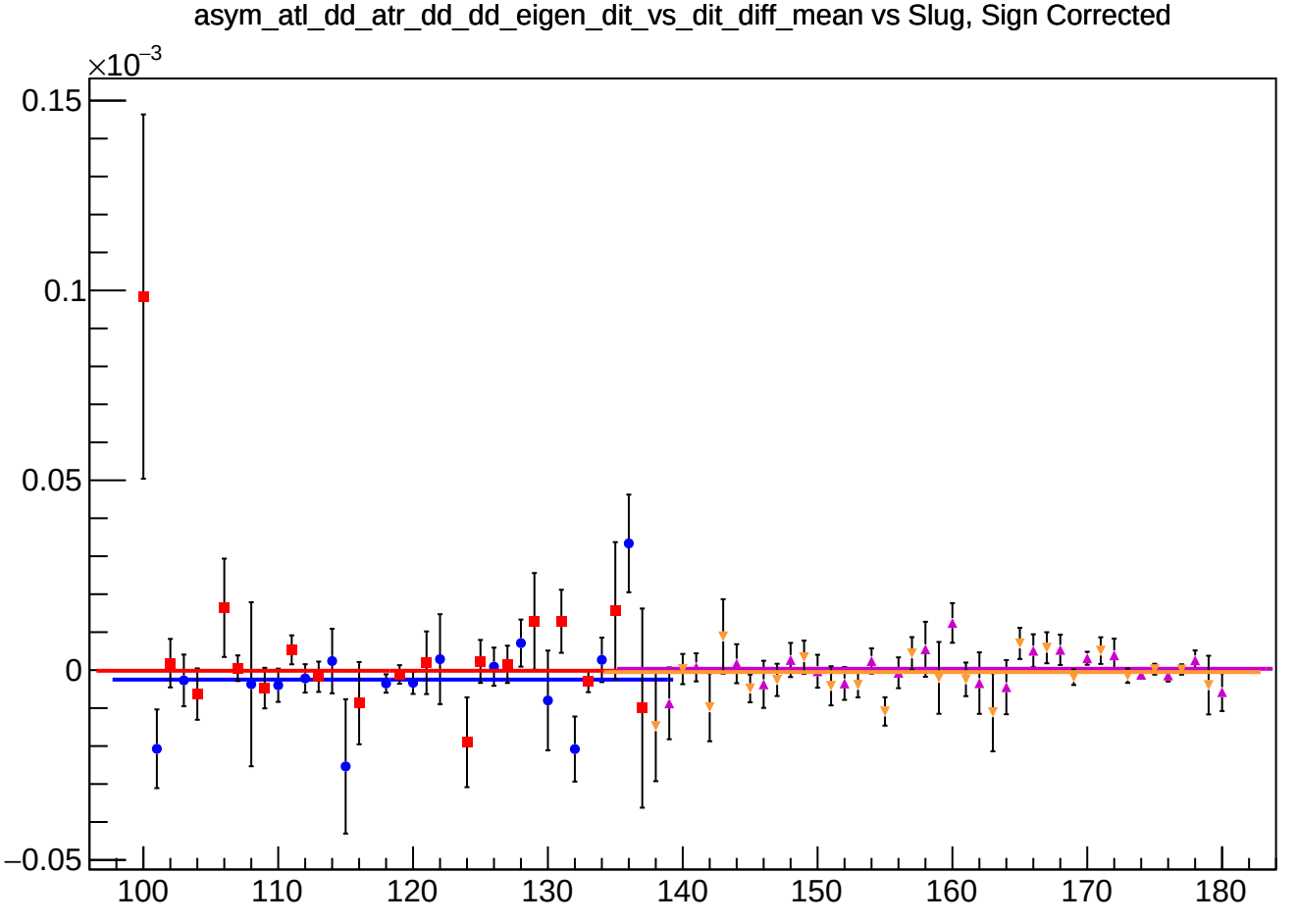
Left: 33.583+/-0.005 χ^2/NDF: 17096878.4/42

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.379+/-0.006 χ^2/NDF:10628077.6/36

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/20

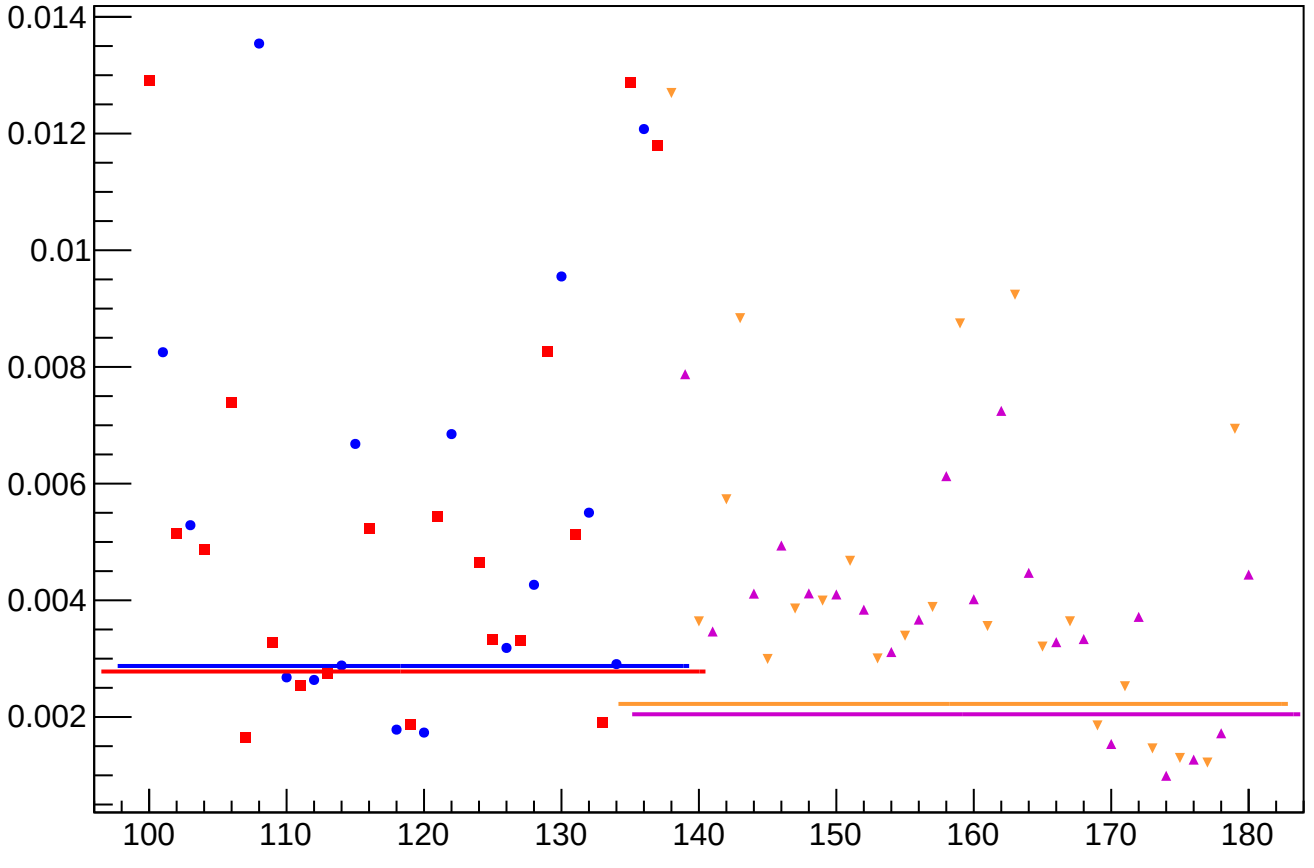
Left: -0.000+/-0.000 χ^2/NDF: 49.1/42

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:46.8/36

Out: -0.000+/-0.000 χ^2/NDF:46.0/40

All: -0.000+/-0.000 χ^2/NDF: 92.9/77



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9246141.6/20

Left: 0.002+/-0.000 χ^2/NDF: 19081013.9/42

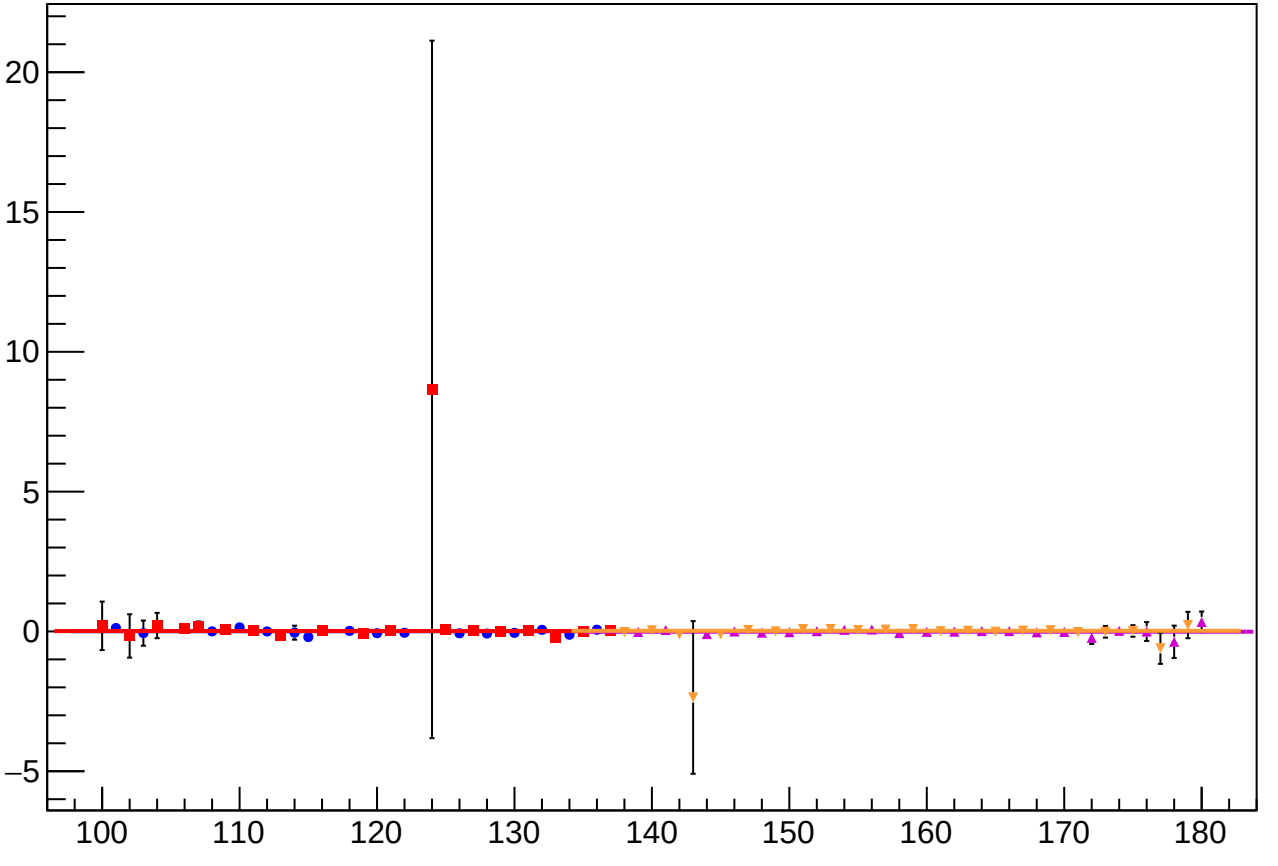
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14049916.5/36

Out: 0.002+/-0.000 χ^2/NDF:13411947.4/40

All: 0.002+/-0.000 χ^2/NDF: 27532120.9/77

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

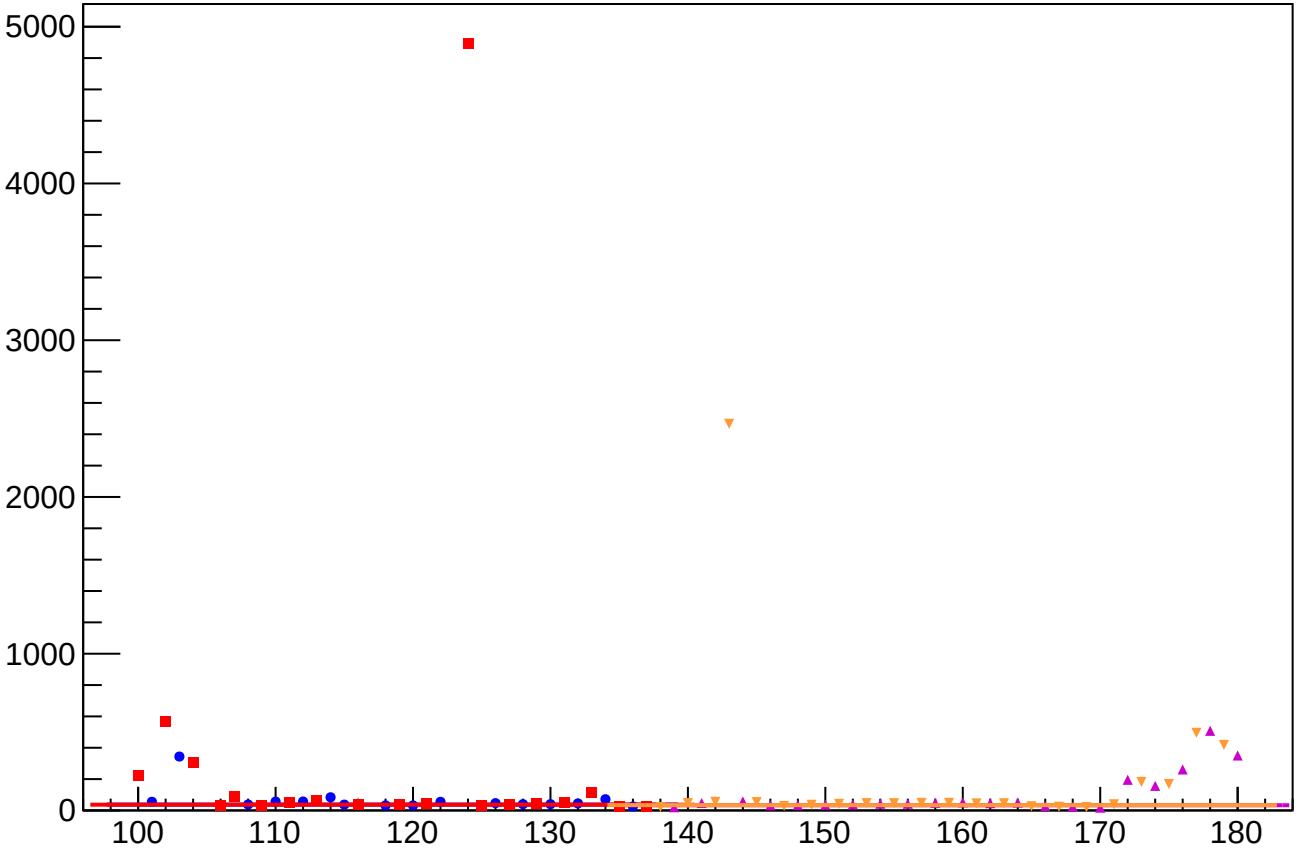
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

Left: 33.584+/-0.005 χ^2/NDF: 17095681.6/42

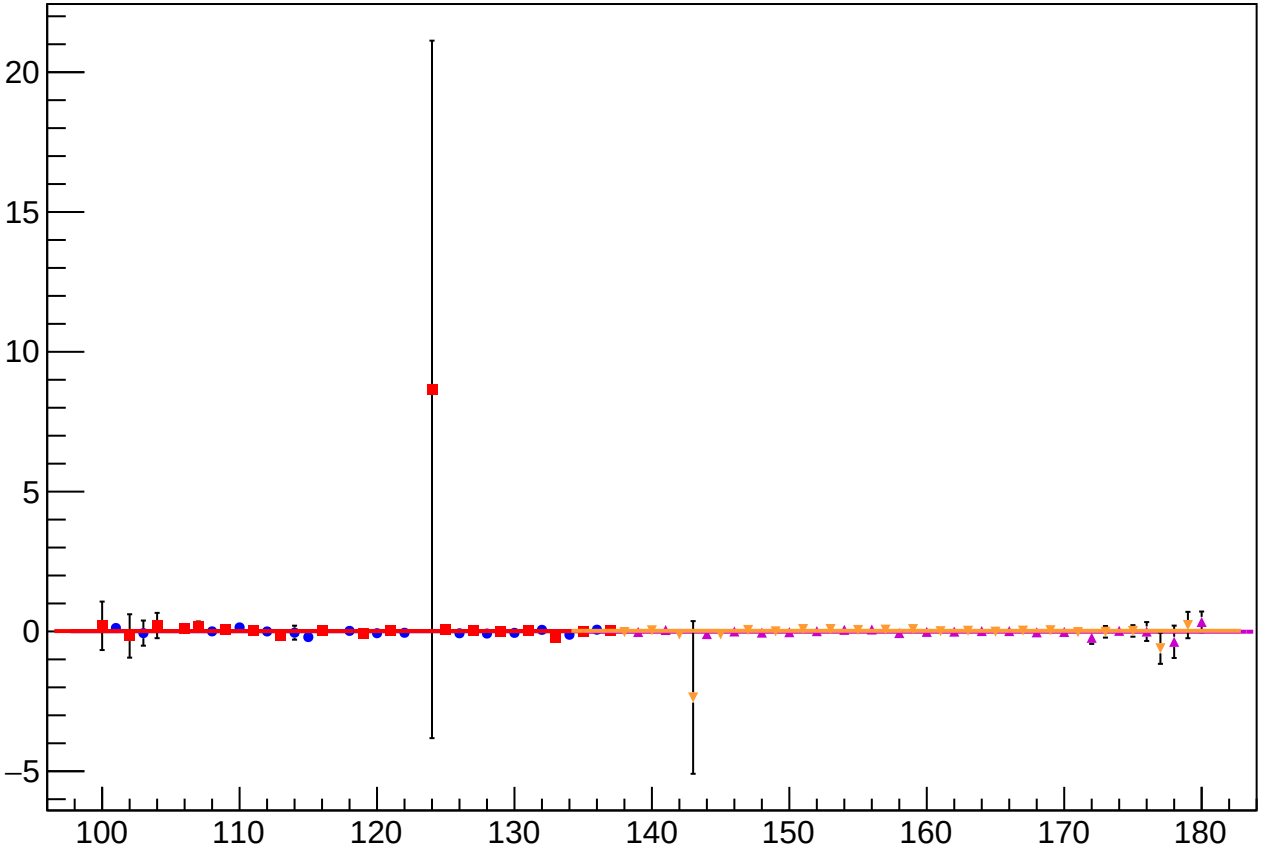
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.381+/-0.006 χ^2/NDF:10626685.8/36

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

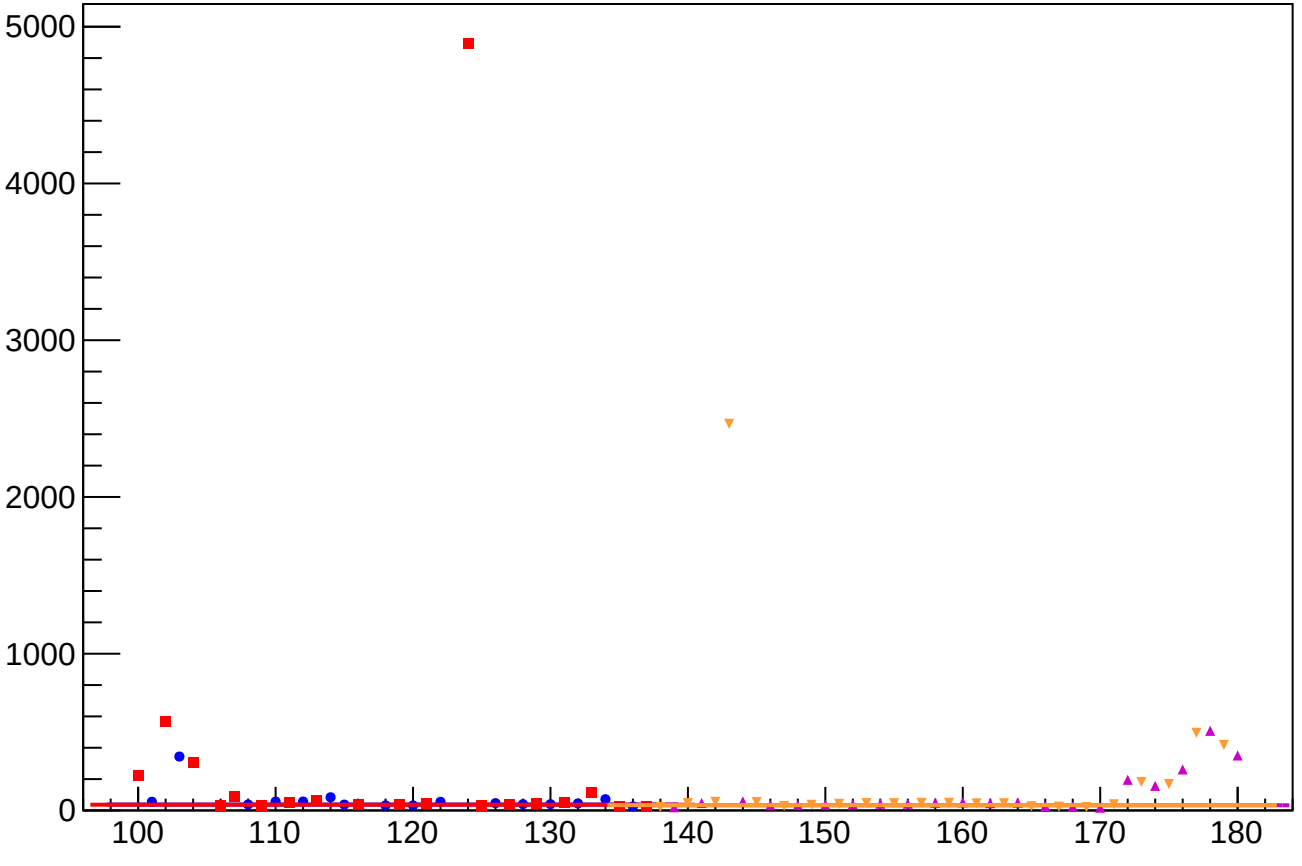
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

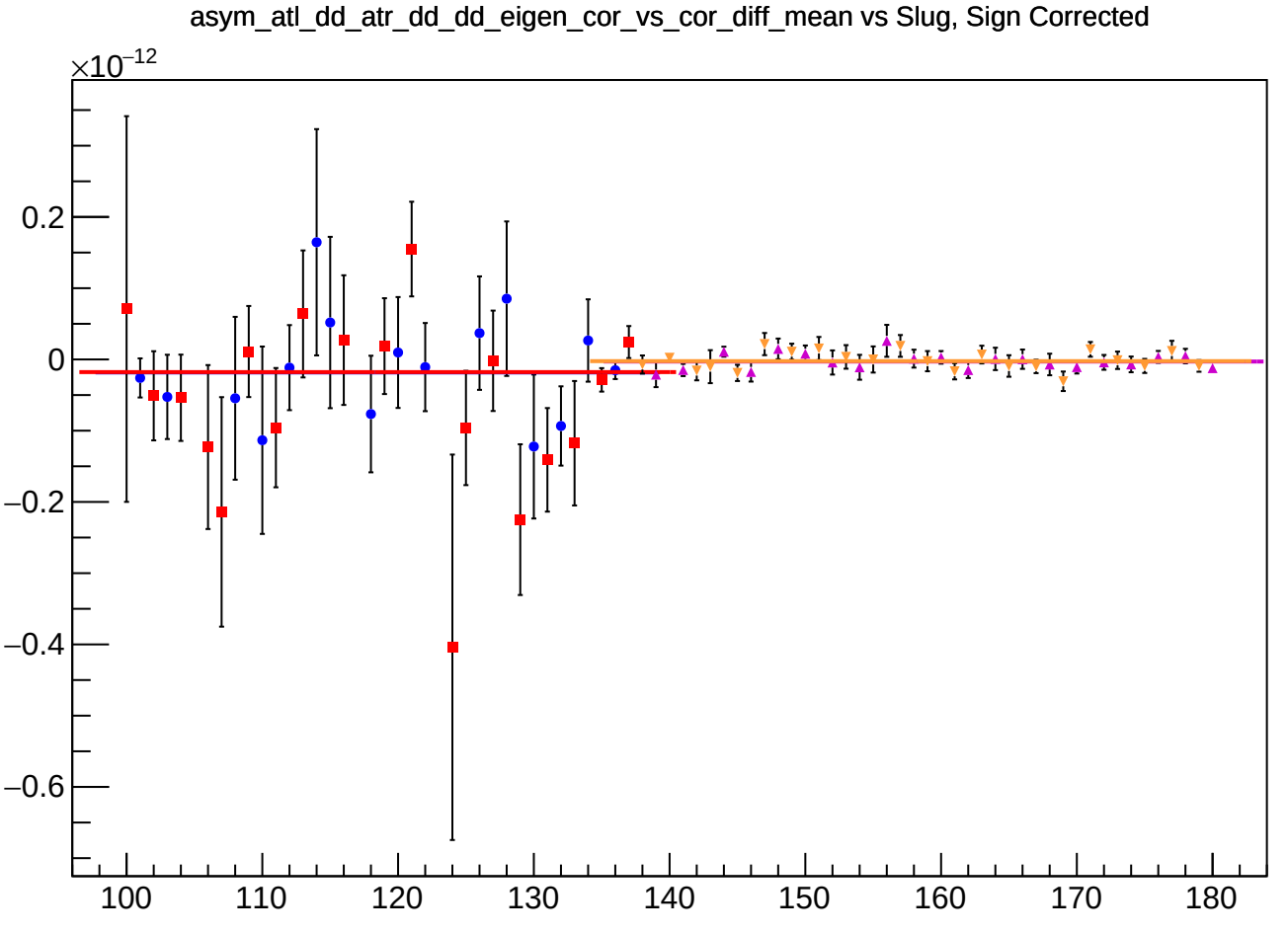
Left: 33.584+/-0.005 χ^2/NDF: 17095681.6/42

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.381+/-0.006 χ^2/NDF:10626685.8/36

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

Left: -0.000+/-0.000 χ^2/NDF: 41.0/42

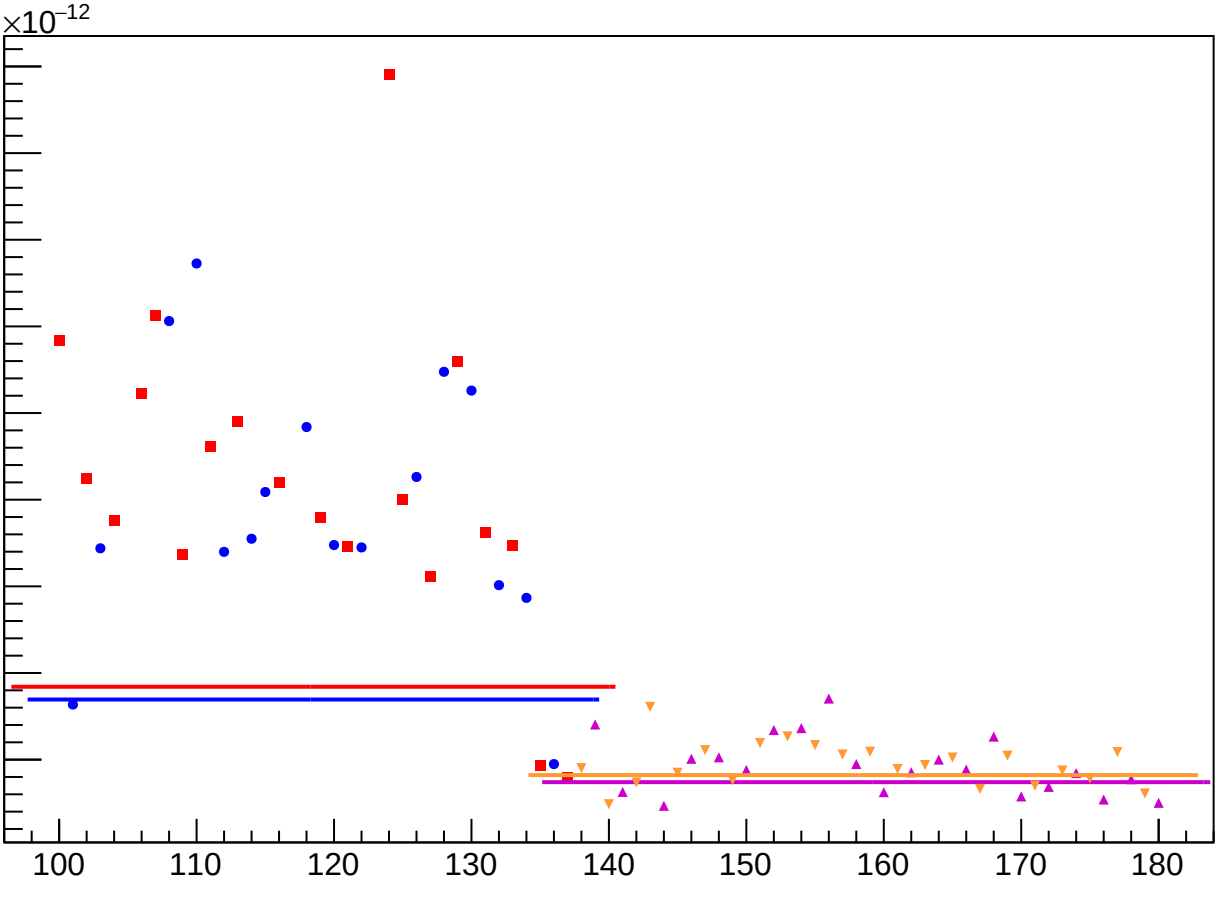
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:28.8/36

Out: -0.000+/-0.000 χ^2/NDF:51.8/40

All: -0.000+/-0.000 χ^2/NDF: 80.7/77

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668399.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2599159.5/20

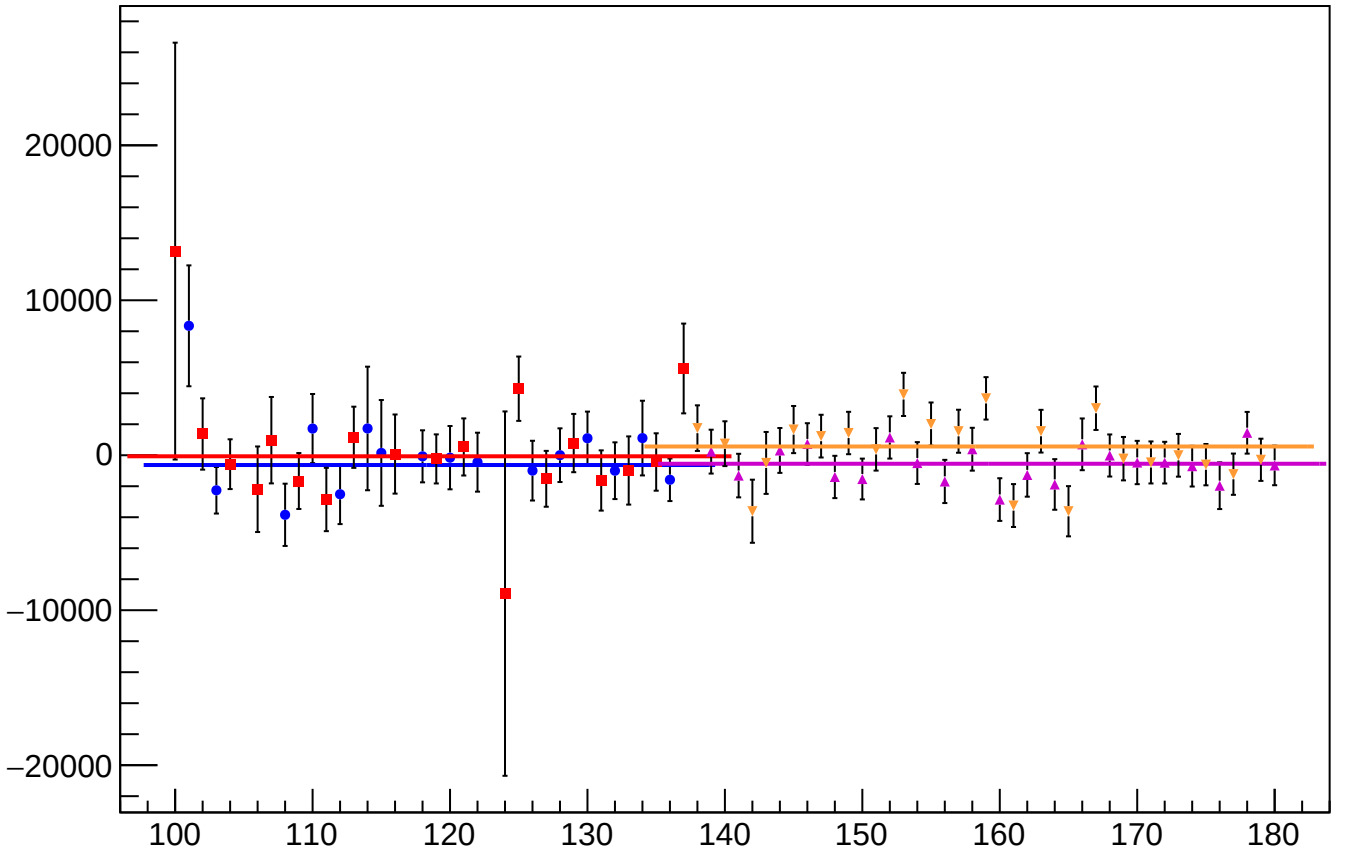
Left: 0.000+/-0.000 χ^2/NDF: 4378414.5/42

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7558706.0/36

Out: 0.000+/-0.000 χ^2/NDF:6959891.1/40

All: 0.000+/-0.000 χ^2/NDF: 14636655.6/77



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -549.417+/-303.758 χ^2/NDF:13.1/20

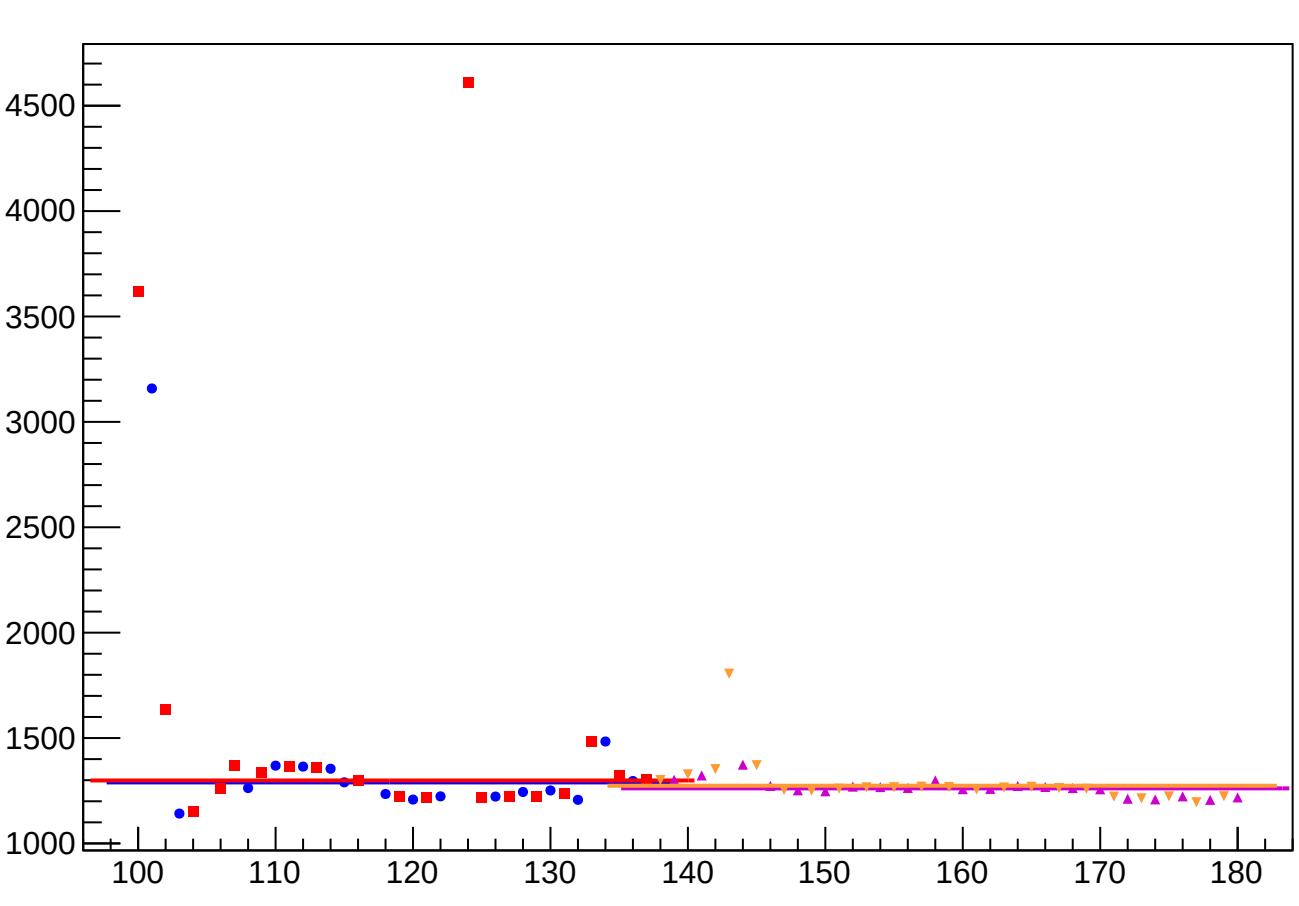
Left: 4.771+/-215.357 χ^2/NDF: 60.5/42

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -572.167+/-257.979 χ^2/NDF:27.0/36

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -94.286+/-182.718 χ^2/NDF: 91.7/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

Left: 1267.470+/-0.152 χ^2/NDF: 211615.3/42

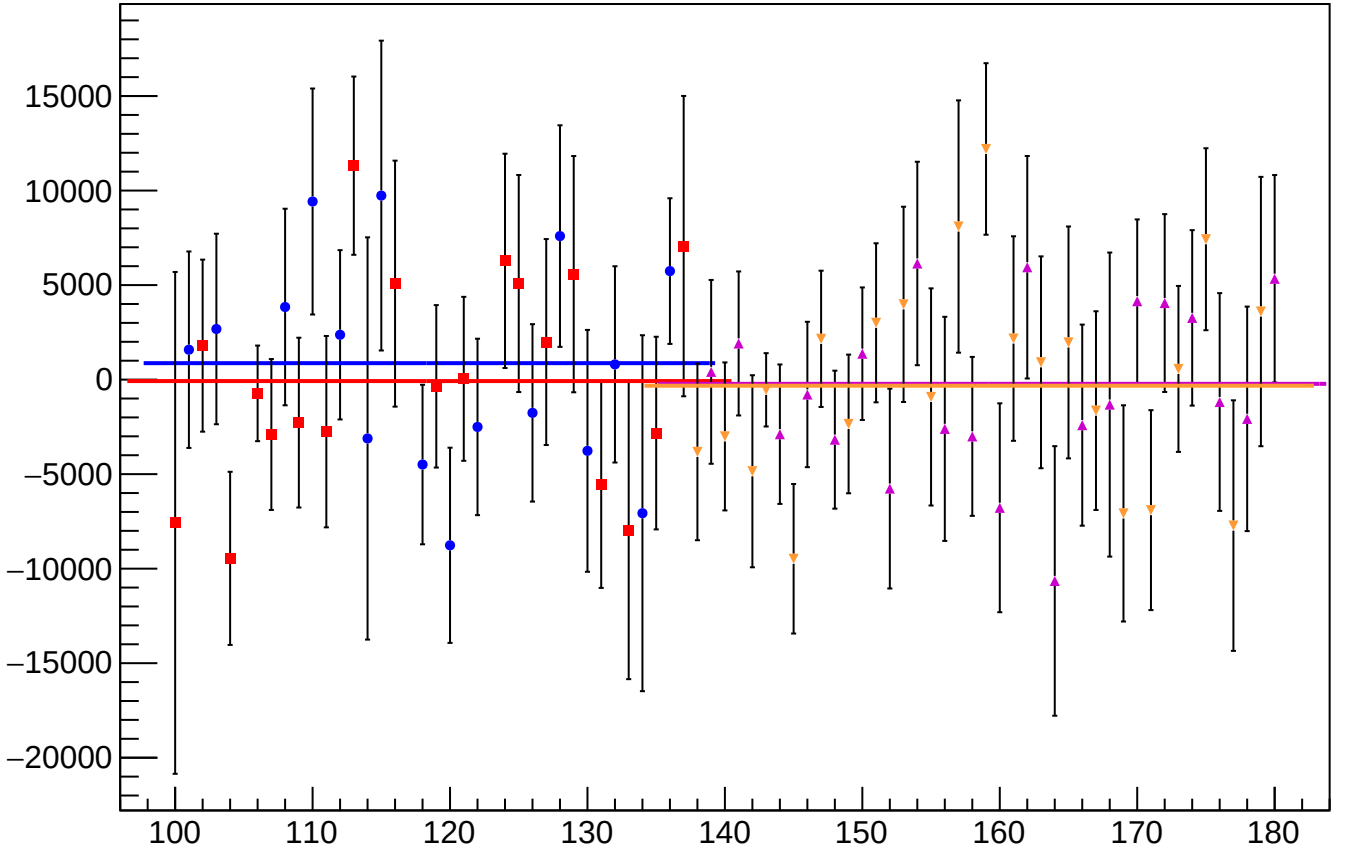
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1269.059+/-0.182 χ^2/NDF:551922.0/36

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77

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: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -223.001+/-1035.187 χ^2/NDF:13.2/20

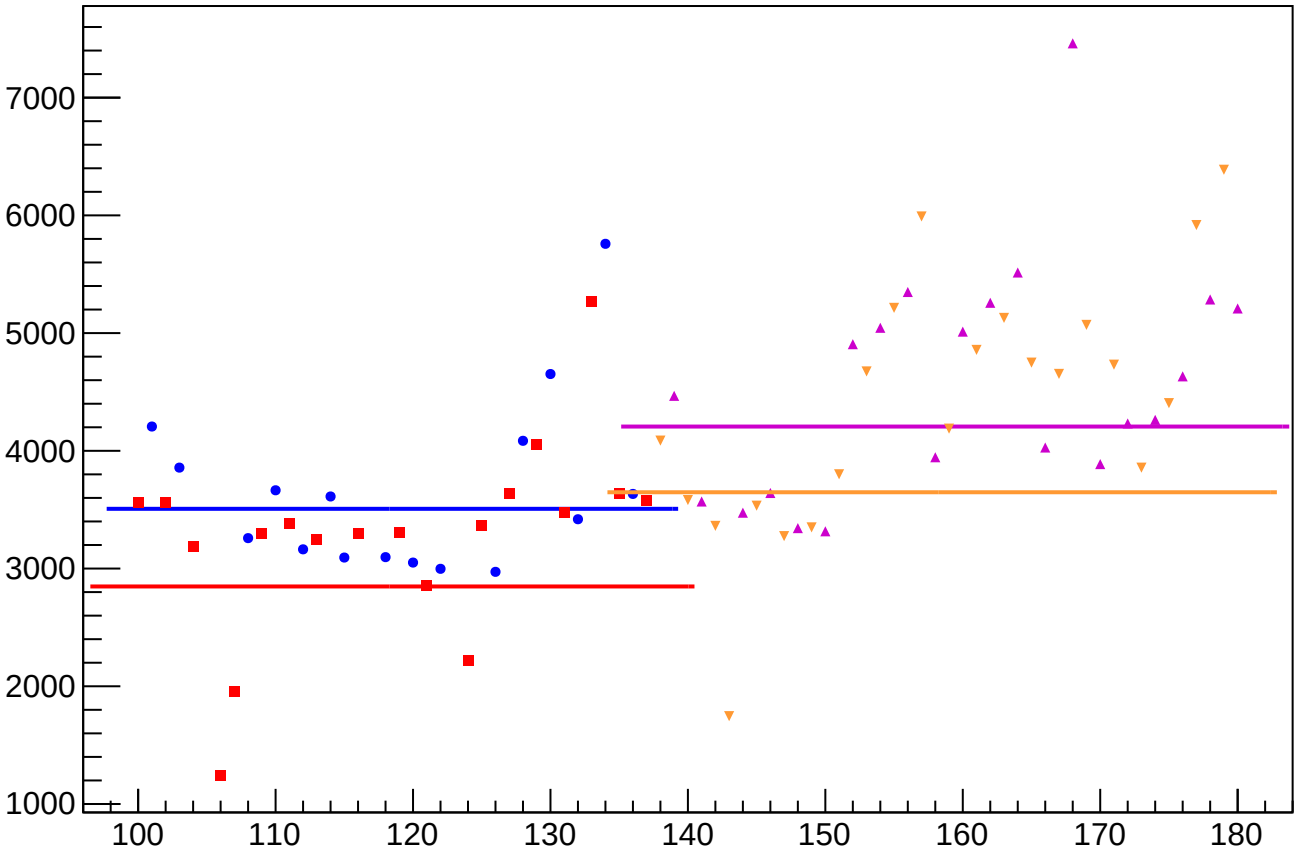
Left: -277.774+/-691.365 χ^2/NDF: 39.3/42

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 191.285+/-815.808 χ^2/NDF:27.7/36

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -42.708+/-536.710 χ^2/NDF: 72.3/77



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

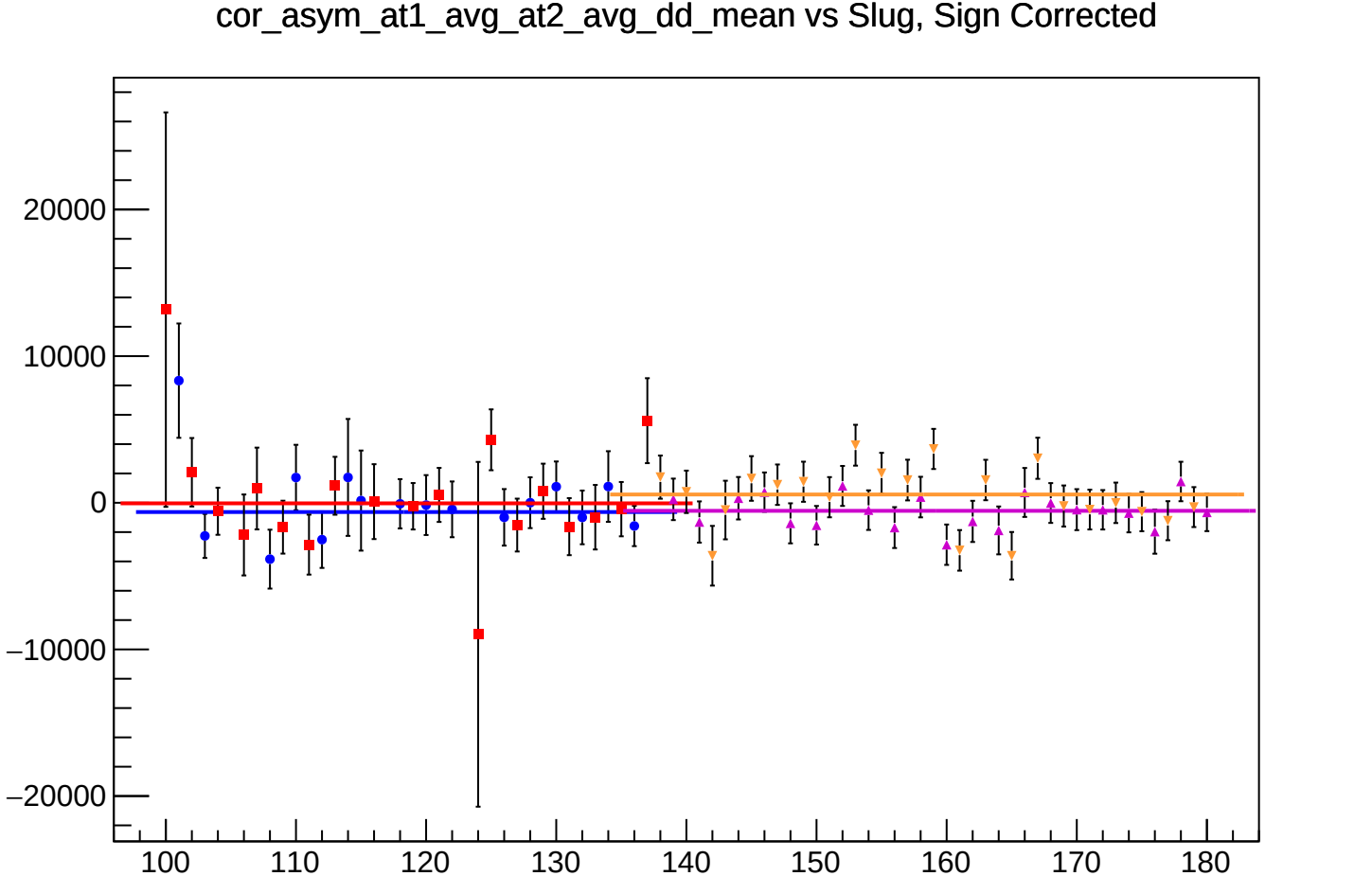
Left: 3896.998+/-0.489 χ^2/NDF: 5229296.8/42

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3941.385+/-0.577 χ^2/NDF:1947931.3/36

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -549.318+/-303.758 χ^2/NDF:13.1/20

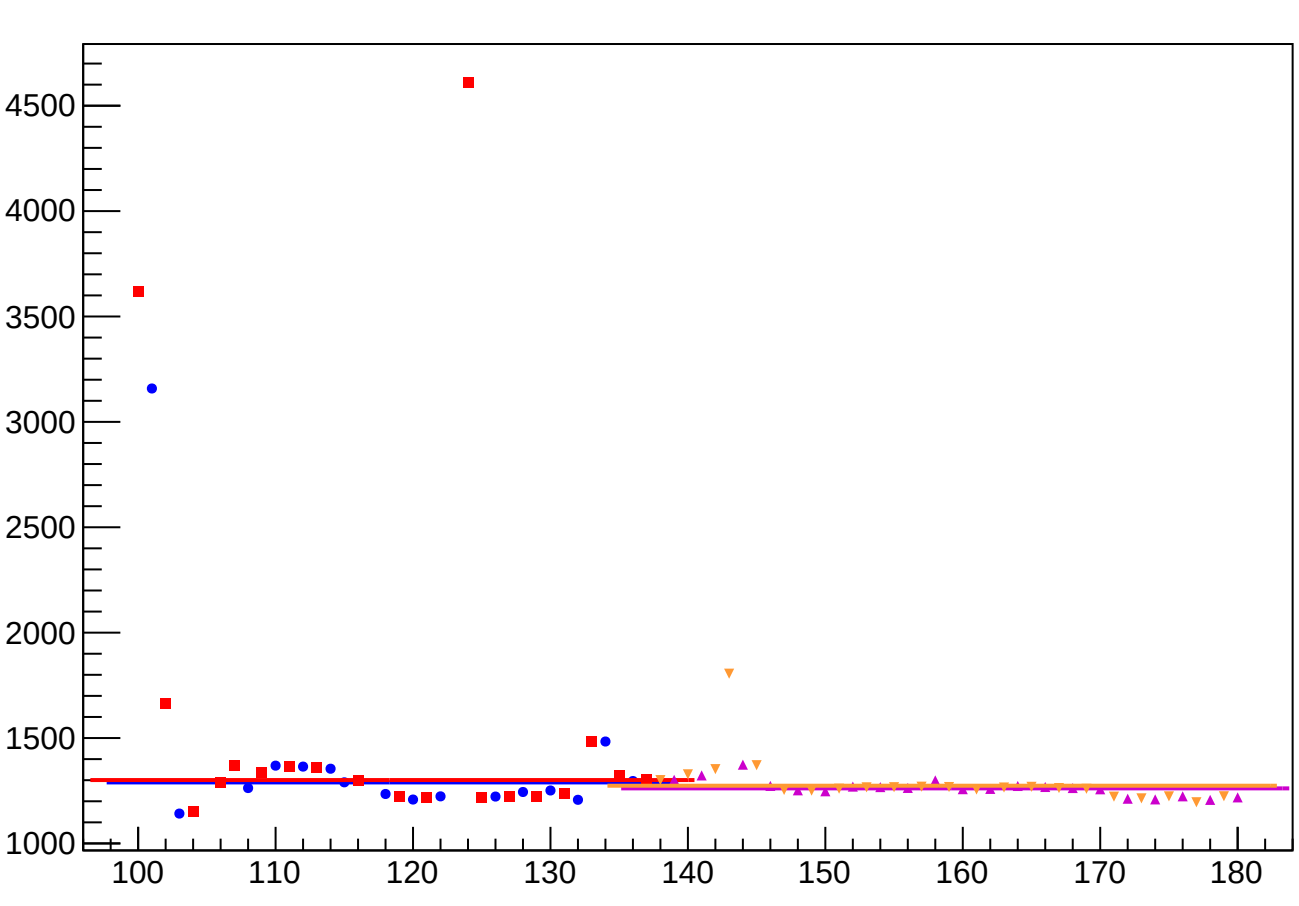
Left: 4.830+/-215.357 χ^2/NDF: 60.5/42

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -572.202+/-257.979 χ^2/NDF:27.0/36

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -90.234+/-182.735 χ^2/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

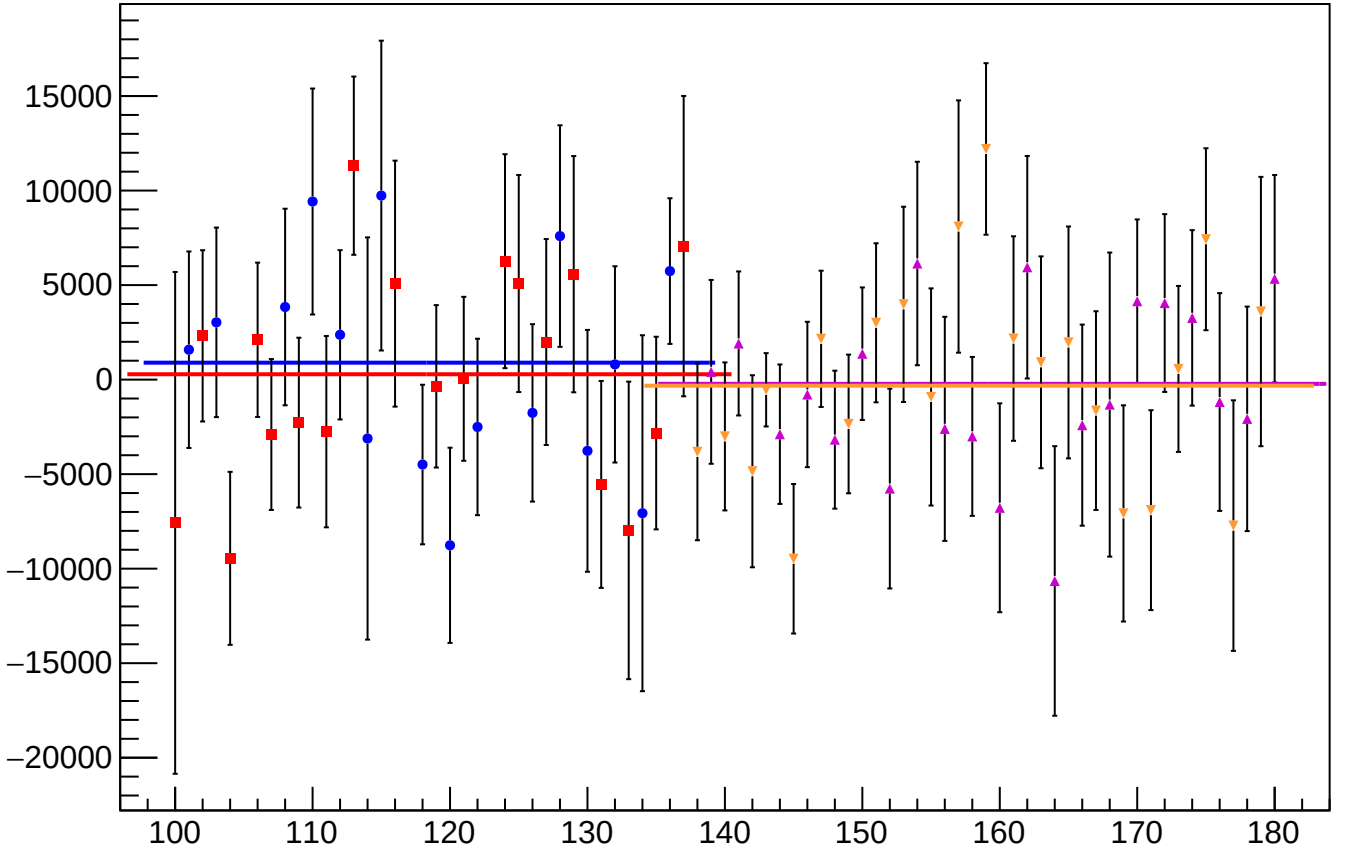
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -222.990+/-1035.185 χ^2/NDF:13.2/20

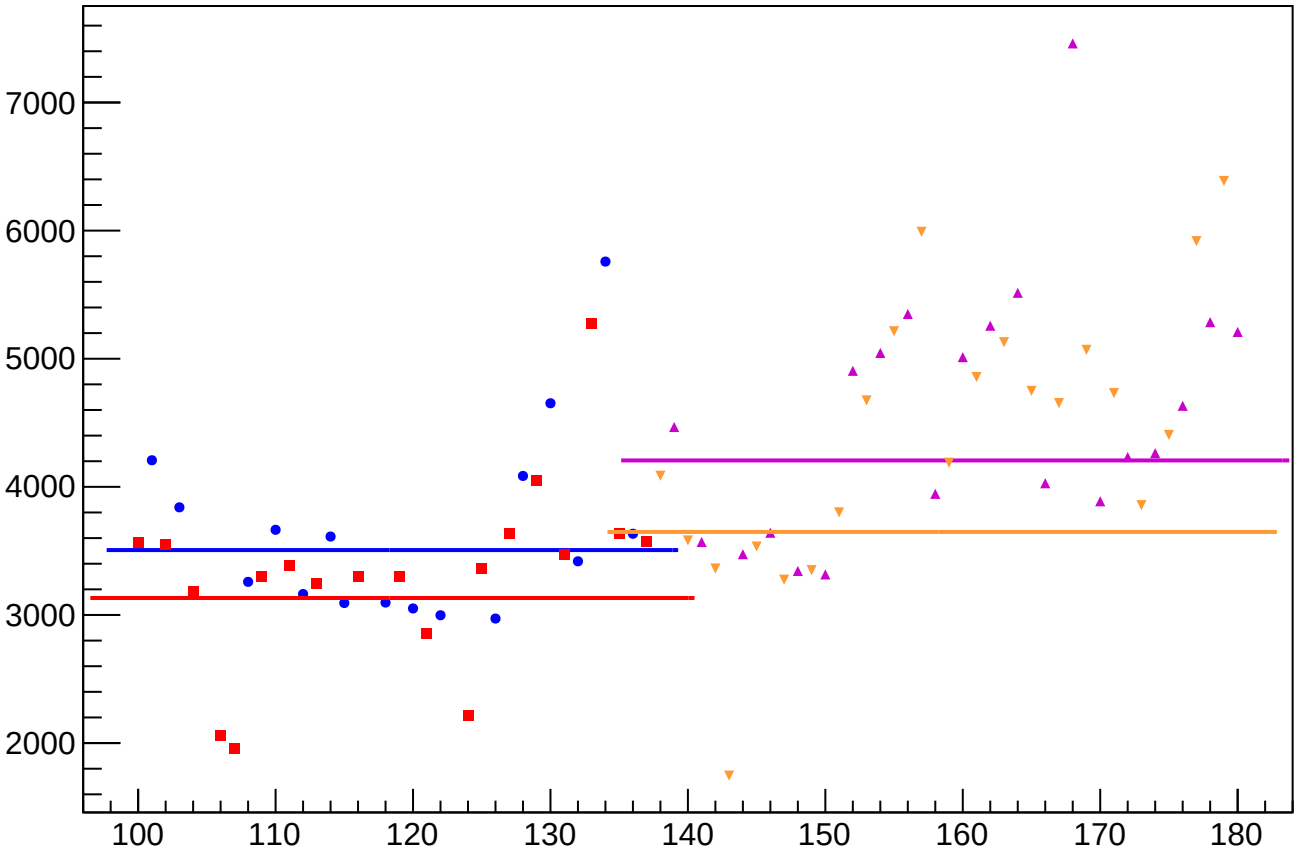
Left: -277.733+/-691.364 χ^2/NDF: 39.3/42

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 201.218+/-815.701 χ^2/NDF:27.8/36

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: 39.186+/-544.233 χ^2/NDF: 72.7/77



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

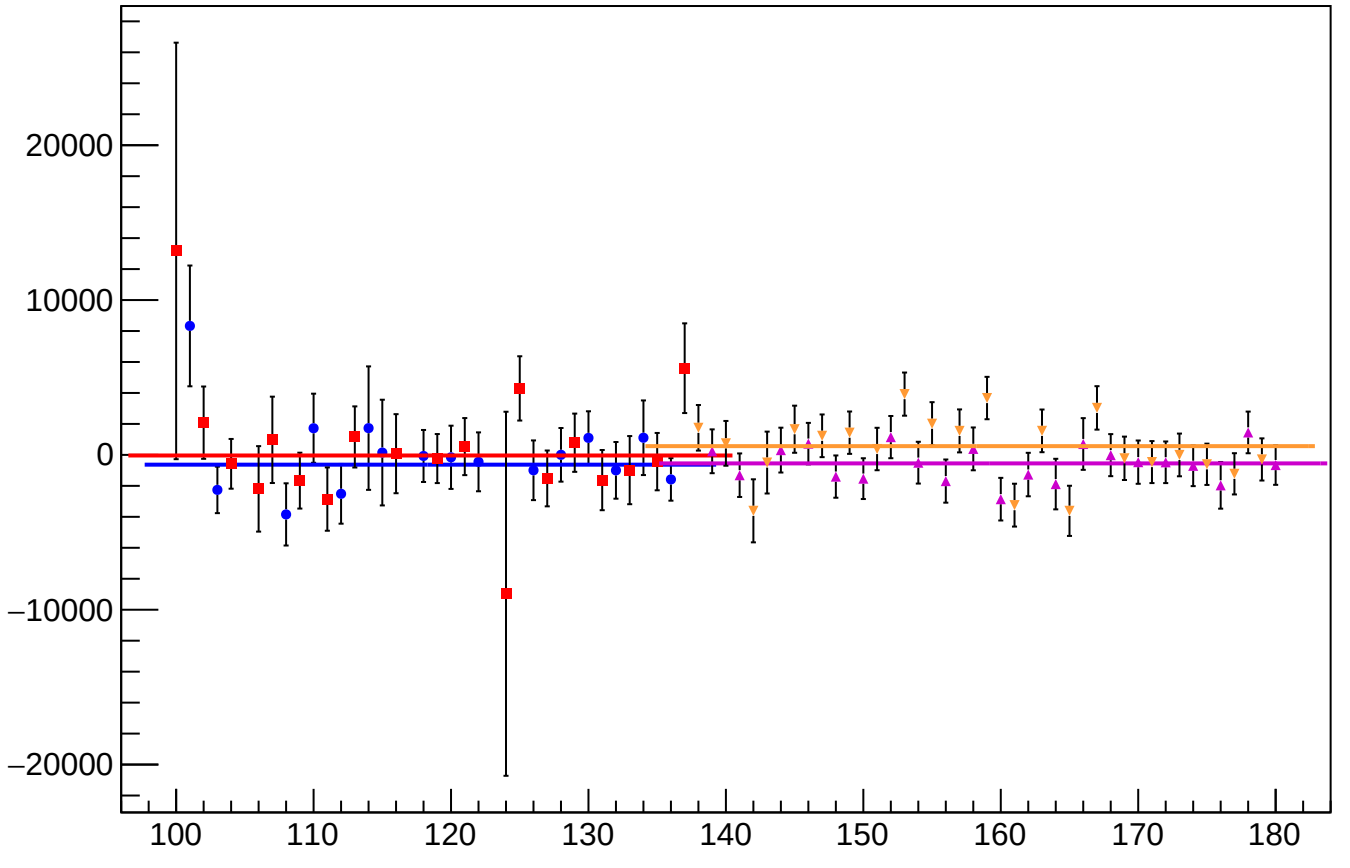
Left: 3896.991+/-0.489 χ^2/NDF: 5229336.3/42

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3940.923+/-0.577 χ^2/NDF:1948233.7/36

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -549.318+/-303.758 χ^2/NDF:13.1/20

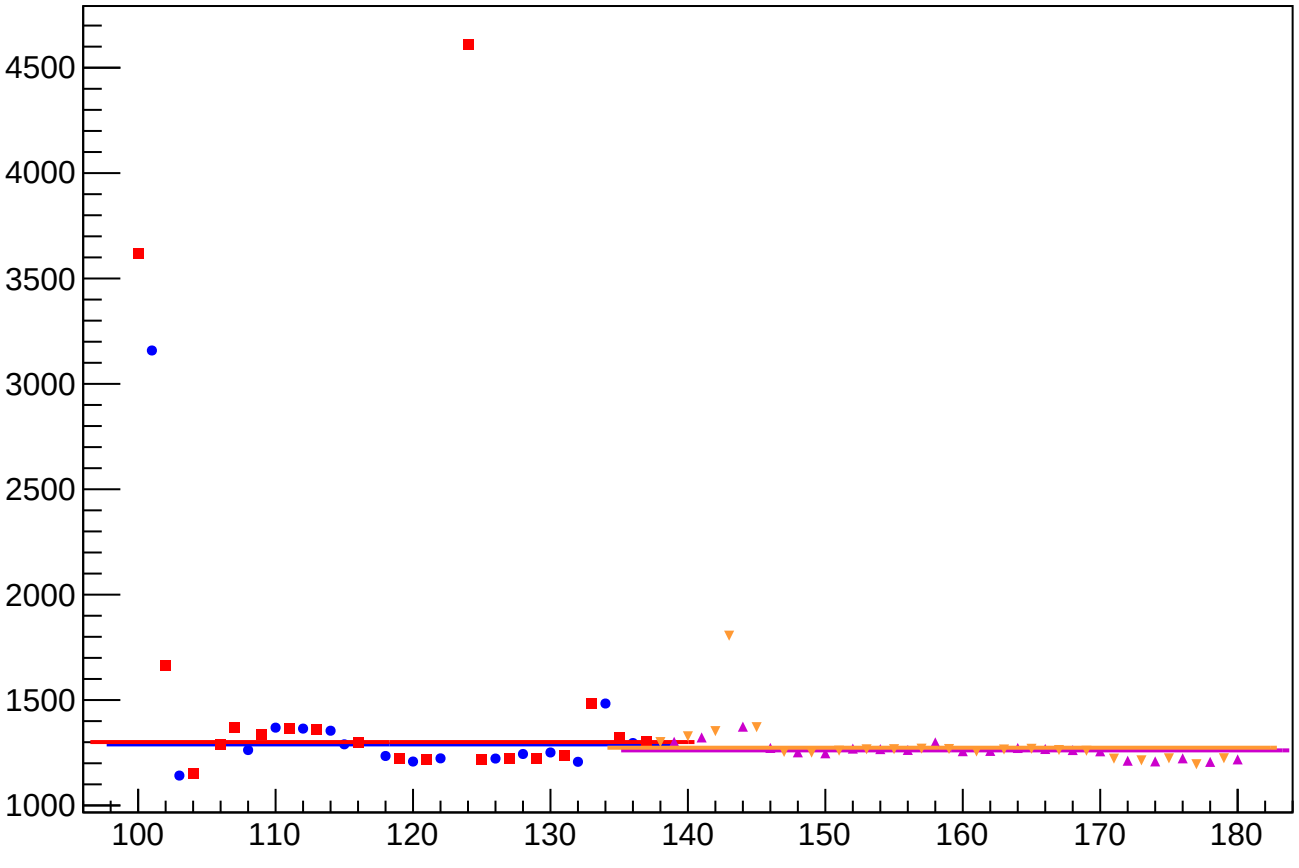
Left: 4.830+/-215.357 χ^2/NDF: 60.5/42

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -572.202+/-257.979 χ^2/NDF:27.0/36

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -90.234+/-182.735 χ^2/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

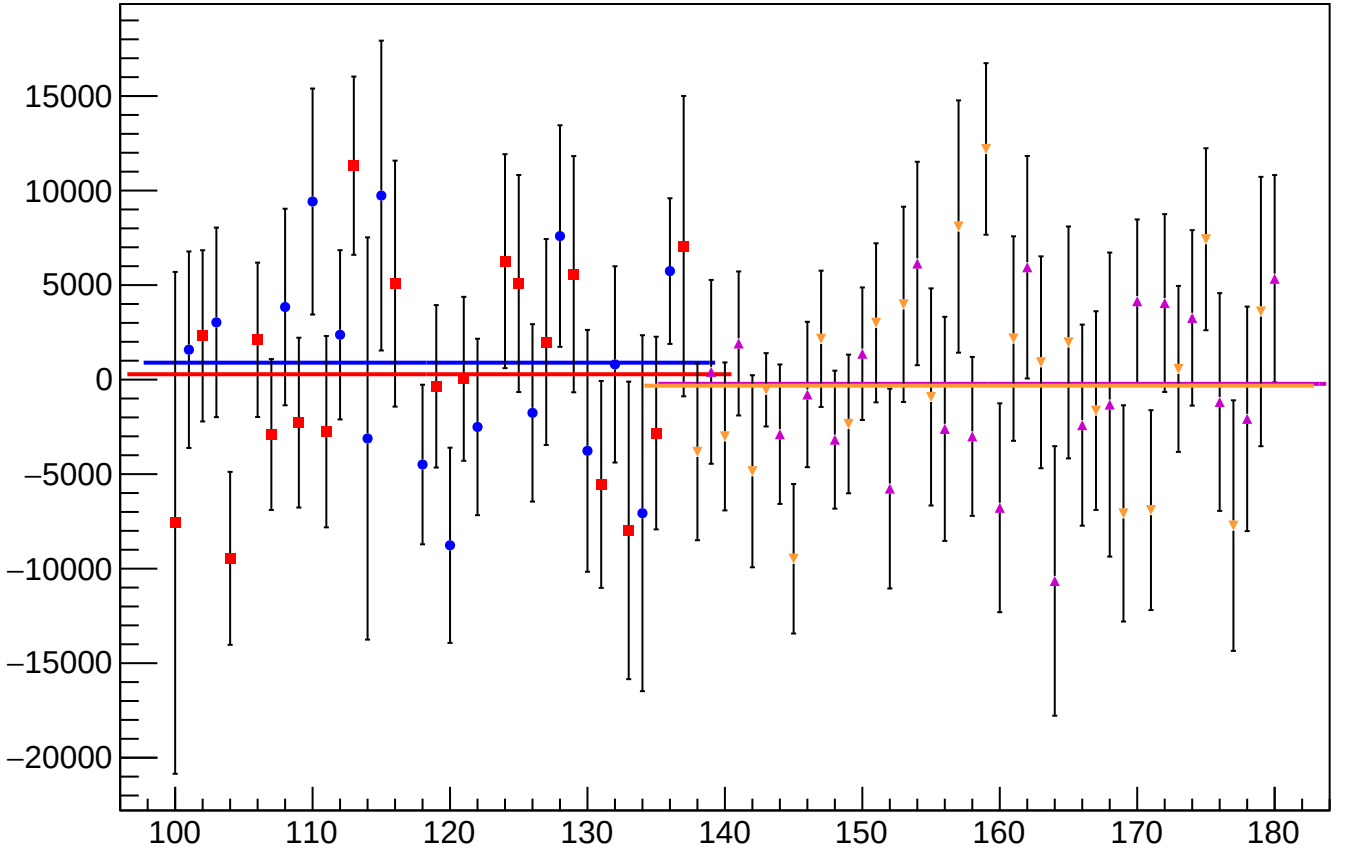
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -222.990+/-1035.185 χ^2/NDF:13.2/20

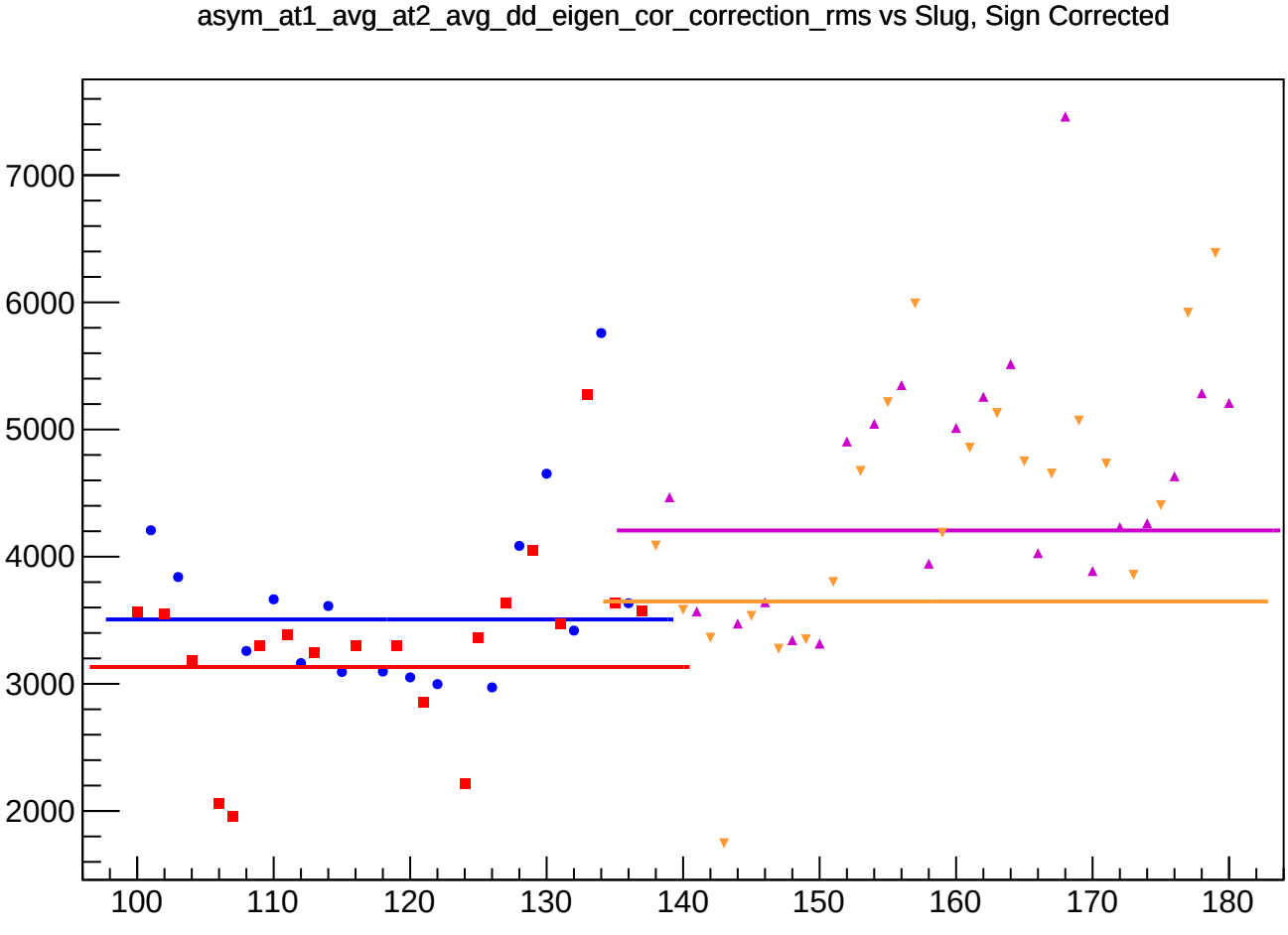
Left: -277.733+/-691.364 χ^2/NDF: 39.3/42

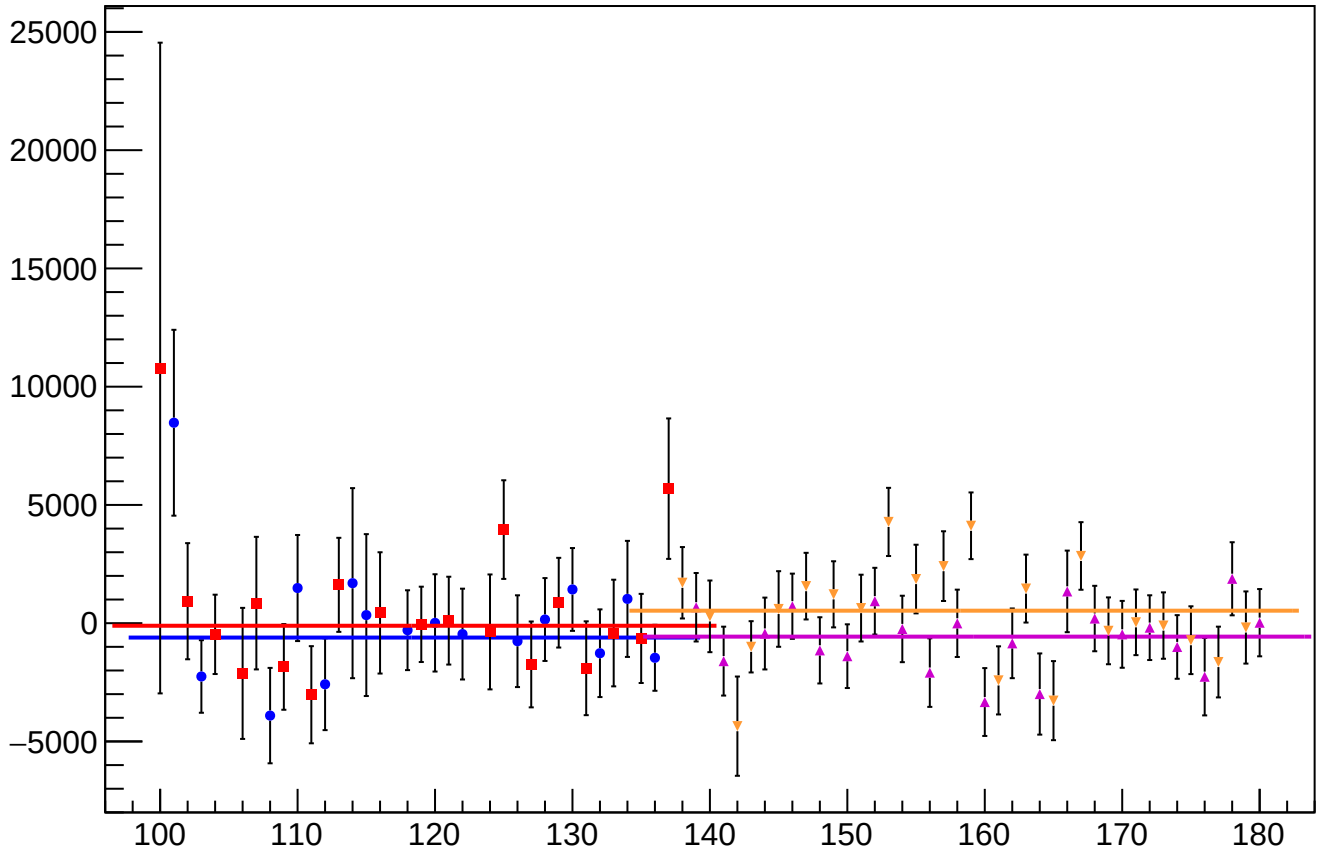
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 201.218+/-815.701 χ^2/NDF:27.8/36

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: 39.186+/-544.233 χ^2/NDF: 72.7/77


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3648.042+/-0.657 χ²/NDF:3658655.1/21
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4206.169+/-0.732 χ²/NDF:1248621.9/20
Left: 3896.991+/-0.489 χ²/NDF: 5229336.3/42
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3940.923+/-0.577 χ²/NDF:1948233.7/36
Out: 3451.483+/-0.517 χ²/NDF:4543108.5/40
All: 3669.358+/-0.385 χ²/NDF: 6890863.4/77



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -568.638+/-316.767 χ^2/NDF:16.3/20

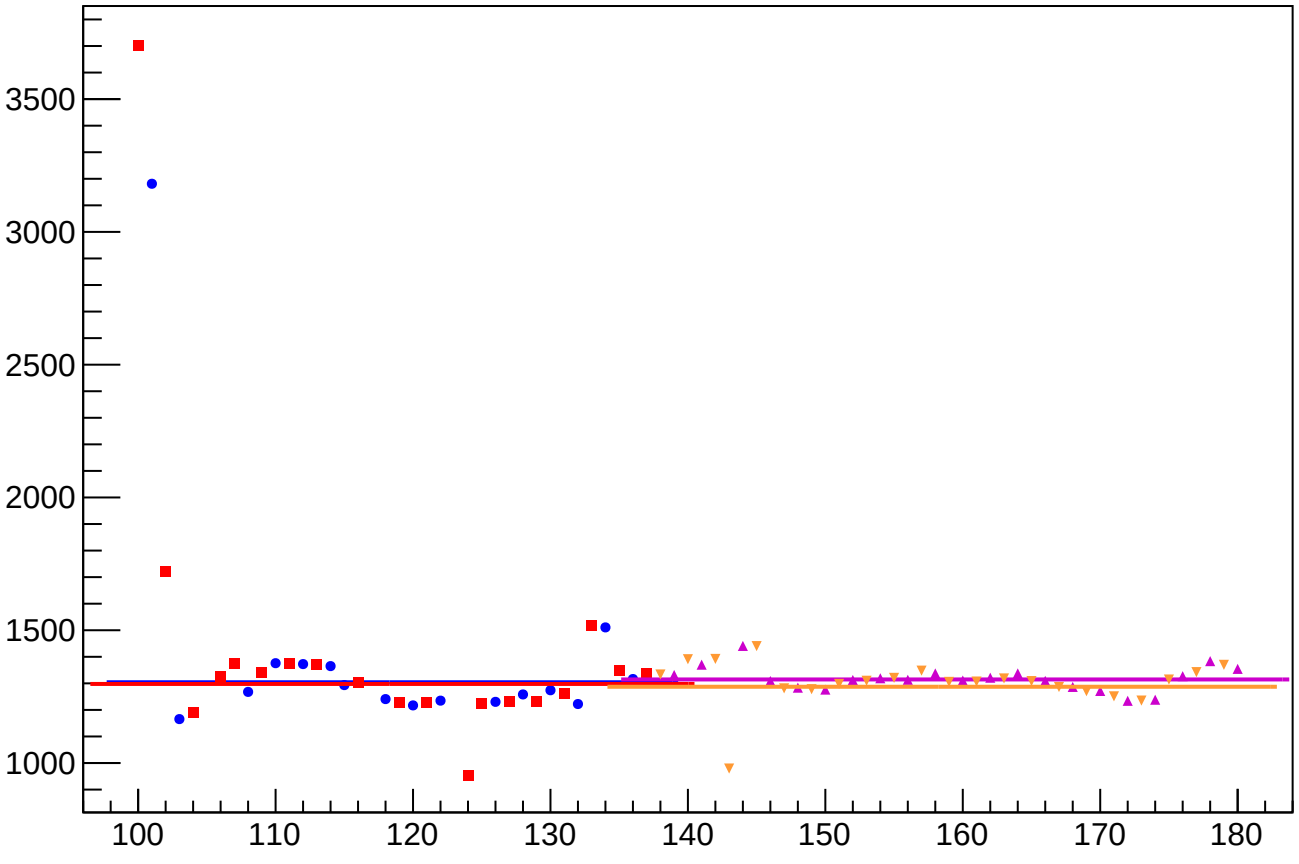
Left: -6.055+/-221.125 χ^2/NDF: 63.2/42

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -580.052+/-266.684 χ^2/NDF:30.4/36

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -106.762+/-186.379 χ^2/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

Left: 1300.622+/-0.156 χ^2/NDF: 266835.6/42

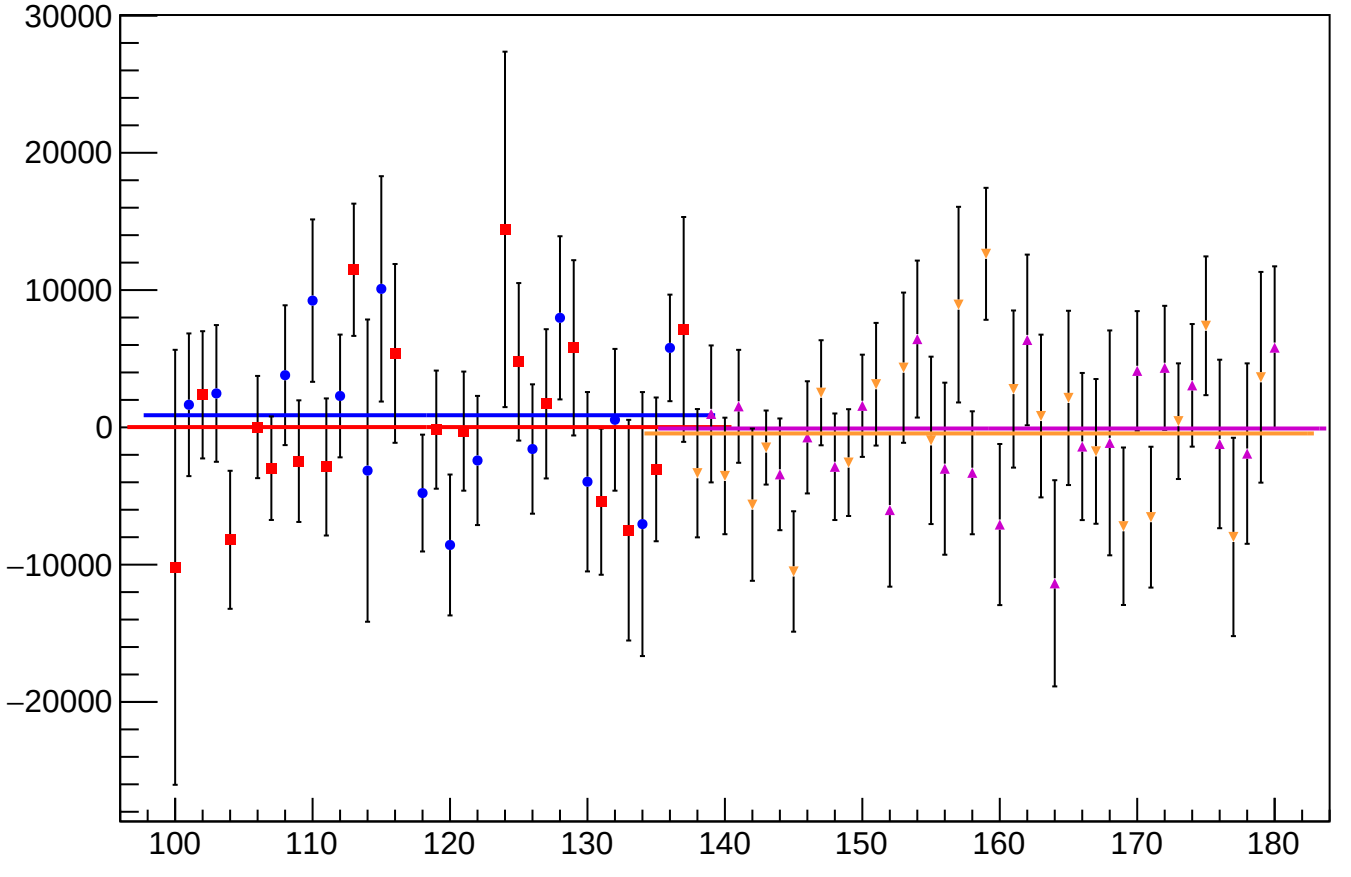
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.627+/-0.189 χ^2/NDF:553544.1/36

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.423 χ^2/NDF:13.1/20

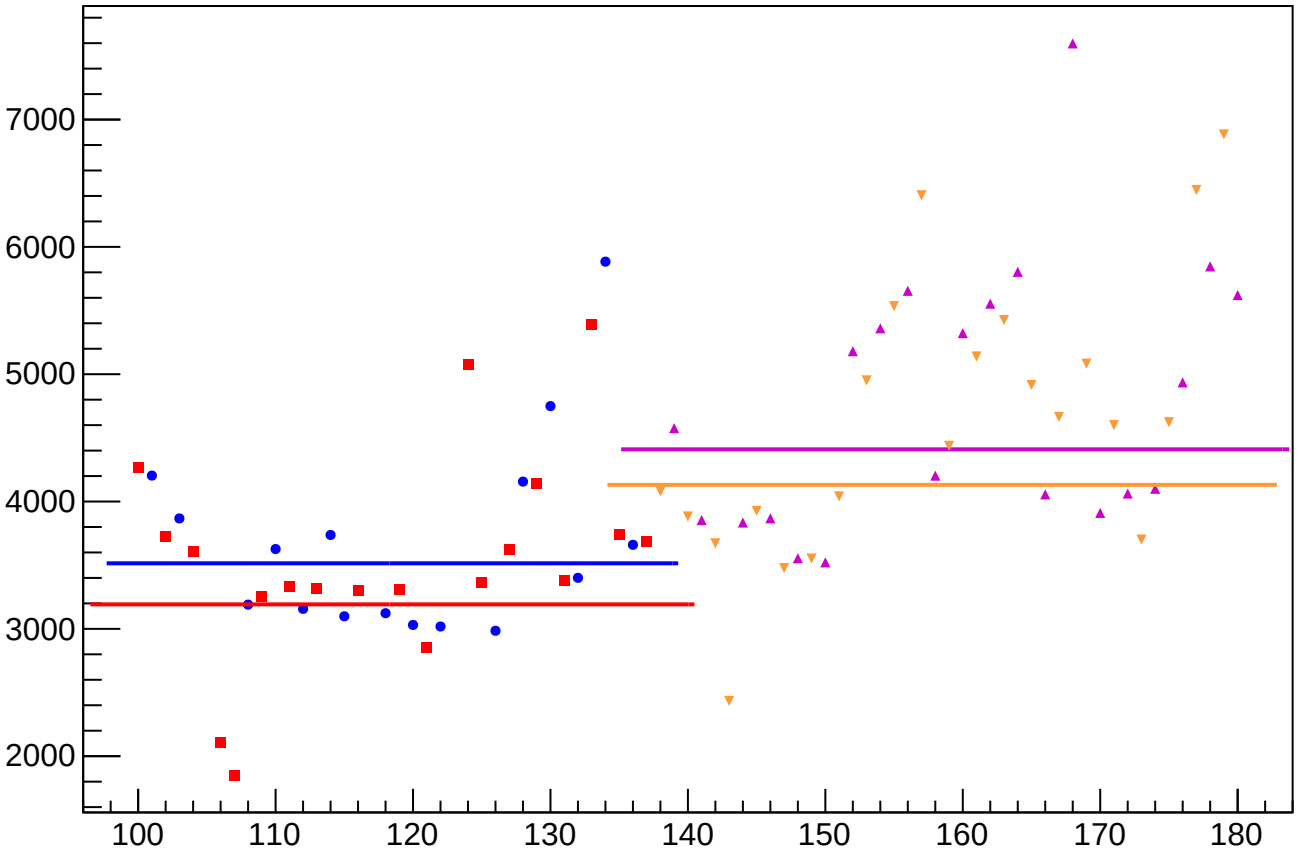
Left: -272.986+/-745.431 χ^2/NDF: 39.0/42

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 304.973+/-840.267 χ^2/NDF:27.5/36

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: 8.109+/-571.512 χ^2/NDF: 70.5/77



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

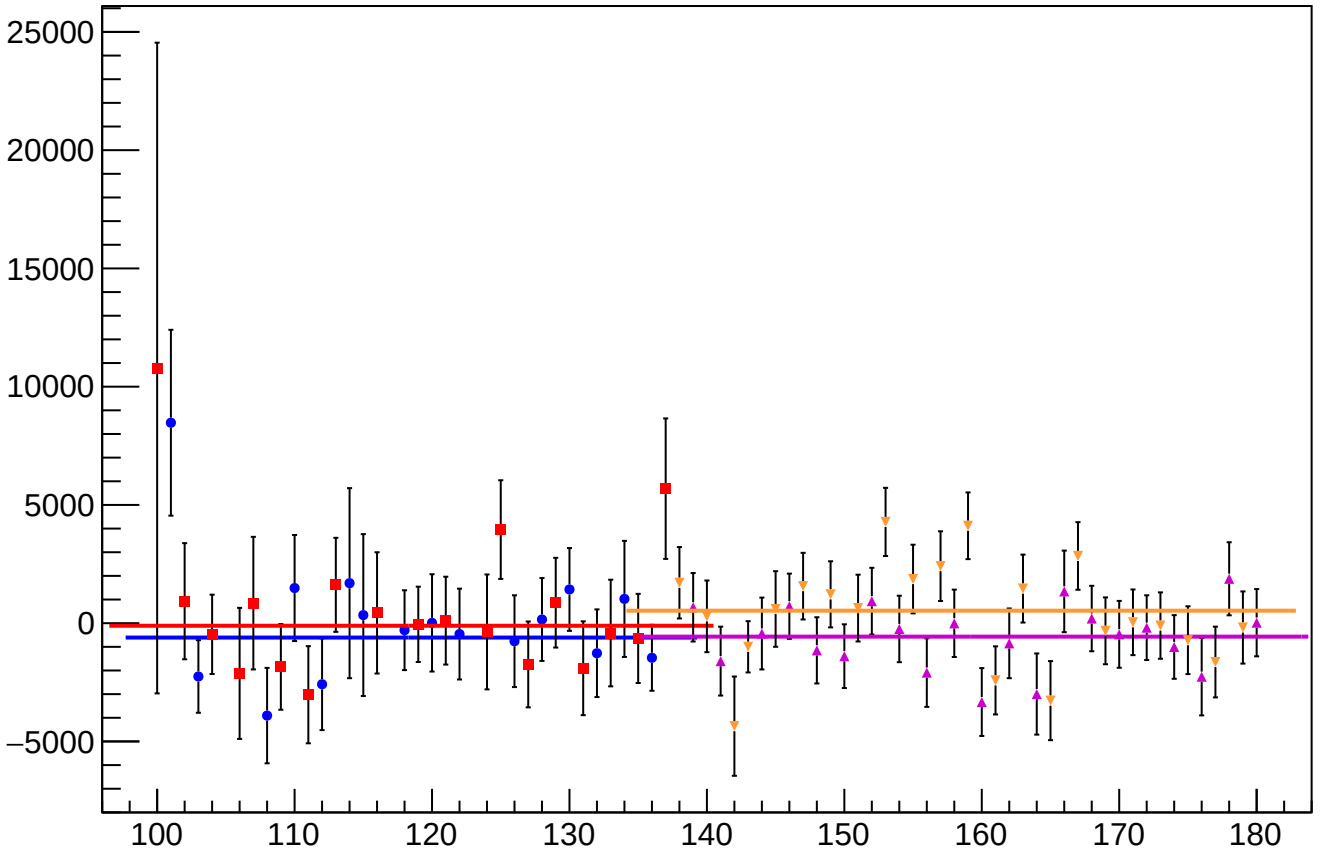
Left: 4262.626+/-0.527 χ^2/NDF: 3375597.3/42

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.273+/-0.594 χ^2/NDF:2160245.0/36

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -568.639+/-316.768 χ^2/NDF:16.3/20

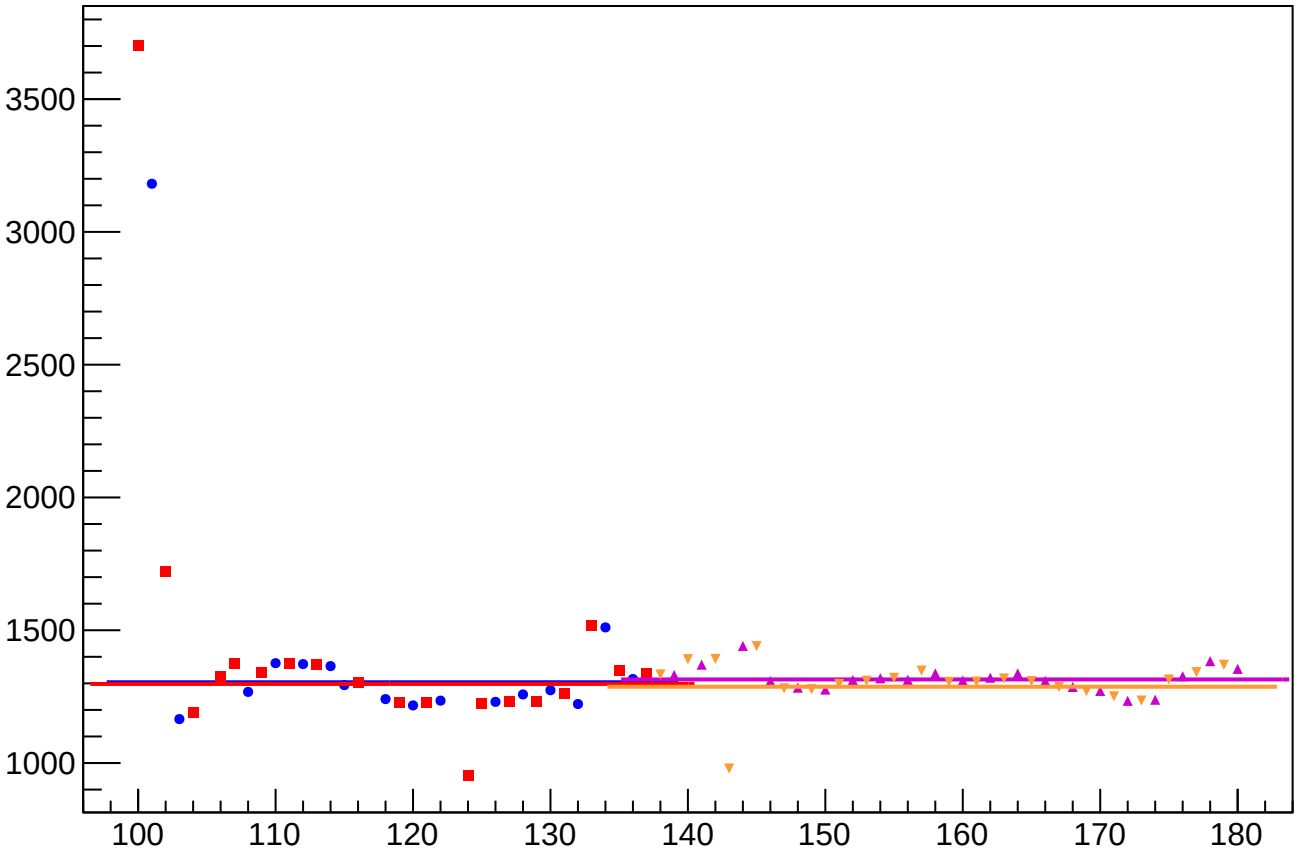
Left: -6.054+/-221.125 χ^2/NDF: 63.2/42

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -580.053+/-266.684 χ^2/NDF:30.4/36

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -106.763+/-186.379 χ^2/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

Left: 1300.623+/-0.156 χ^2/NDF: 266840.4/42

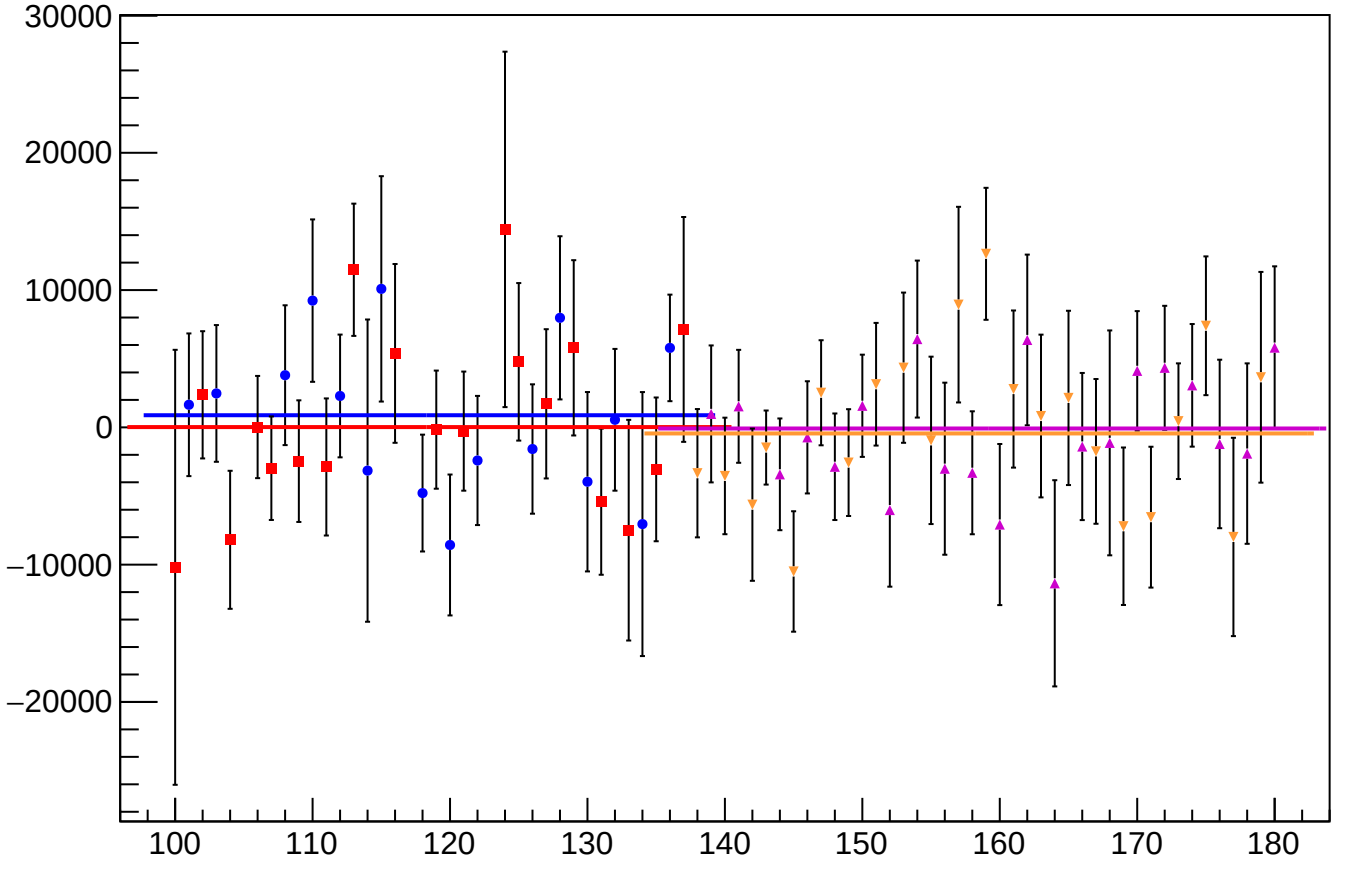
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.628+/-0.189 χ^2/NDF:553546.6/36

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77

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: -443.268+/-1025.525 χ^2/NDF:25.9/21

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.424 χ^2/NDF:13.1/20

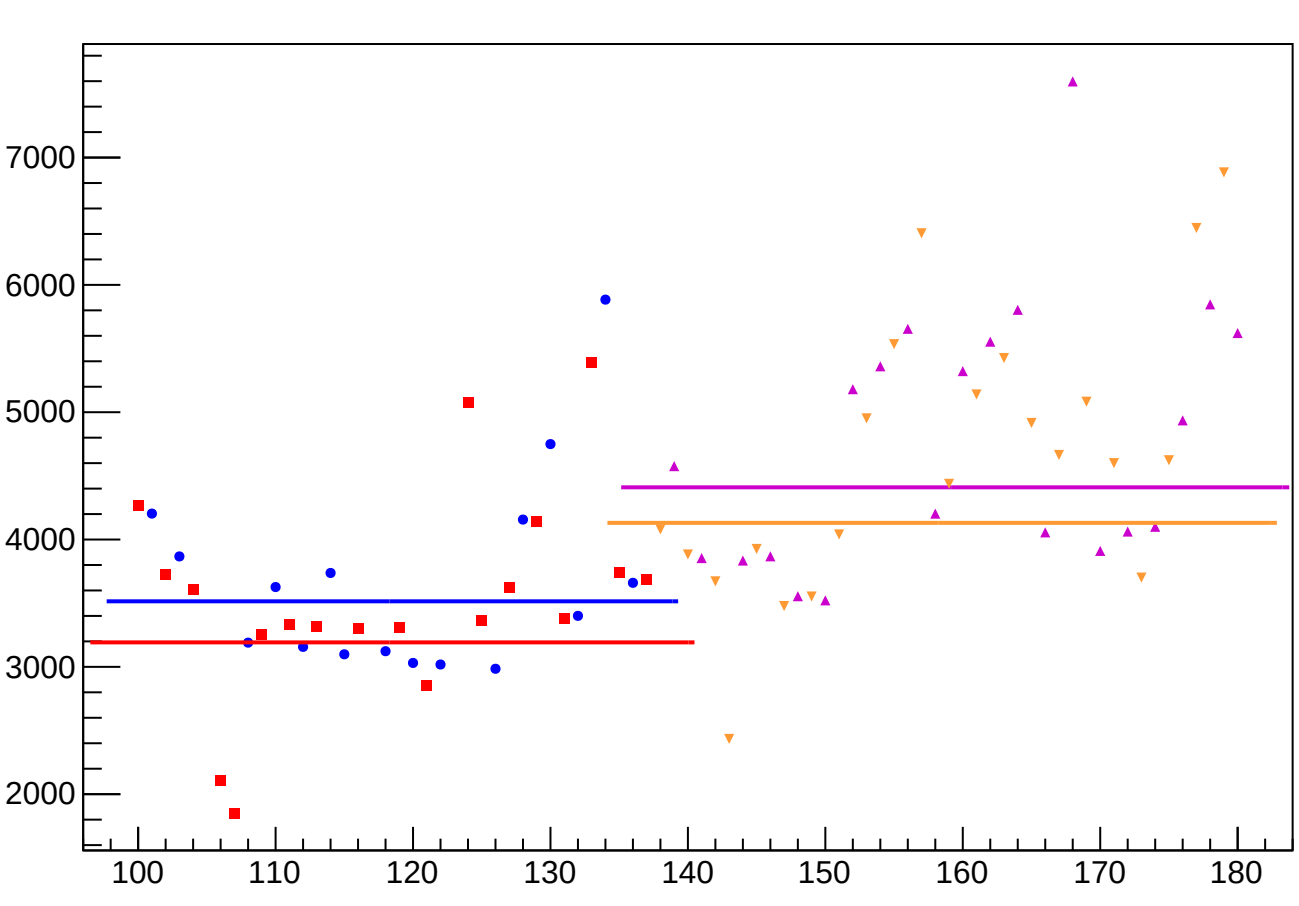
Left: -272.984+/-745.432 χ^2/NDF: 39.0/42

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 304.971+/-840.267 χ^2/NDF:27.5/36

Out: -247.447+/-779.617 χ^2/NDF:42.8/40

All: 8.108+/-571.512 χ^2/NDF: 70.5/77



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

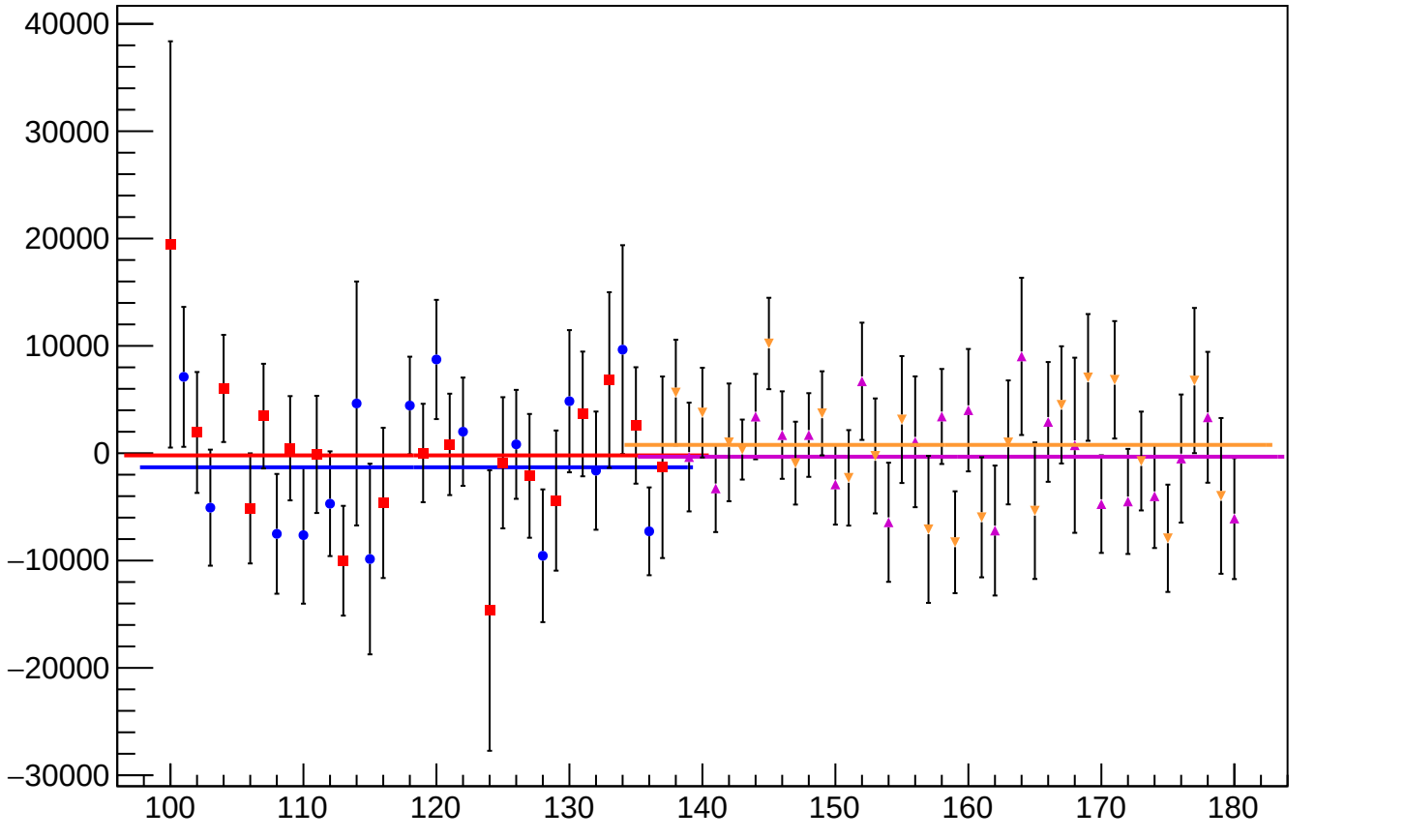
Left: 4262.633+/-0.527 χ^2/NDF: 3375604.3/42

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.272+/-0.594 χ^2/NDF:2160273.6/36

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -324.975+/-1086.468 χ^2/NDF:13.5/20

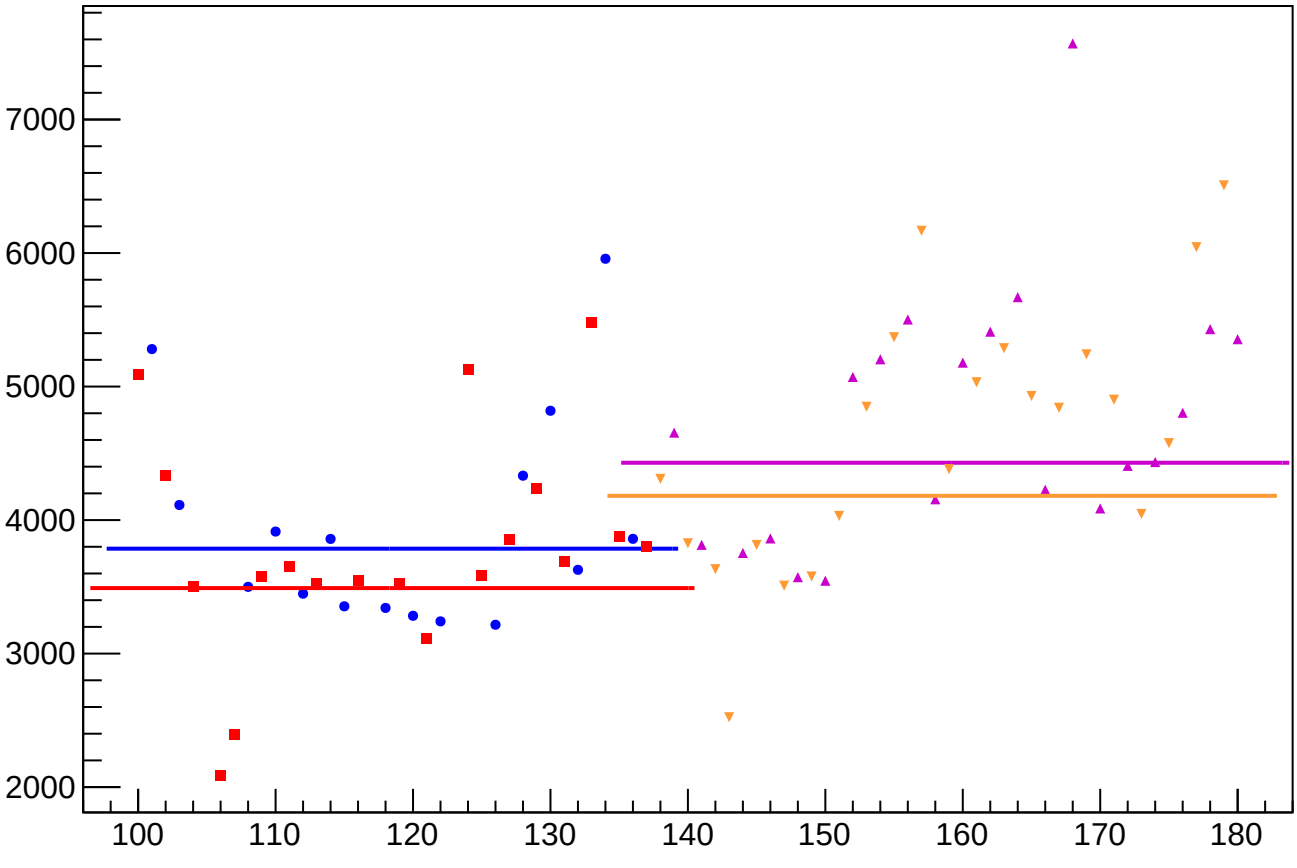
Left: 253.433+/-748.557 χ^2/NDF: 36.5/42

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -684.722+/-865.461 χ^2/NDF:31.4/36

Out: 410.407+/-817.128 χ^2/NDF:34.4/40

All: -105.726+/-594.149 χ^2/NDF: 66.7/77



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

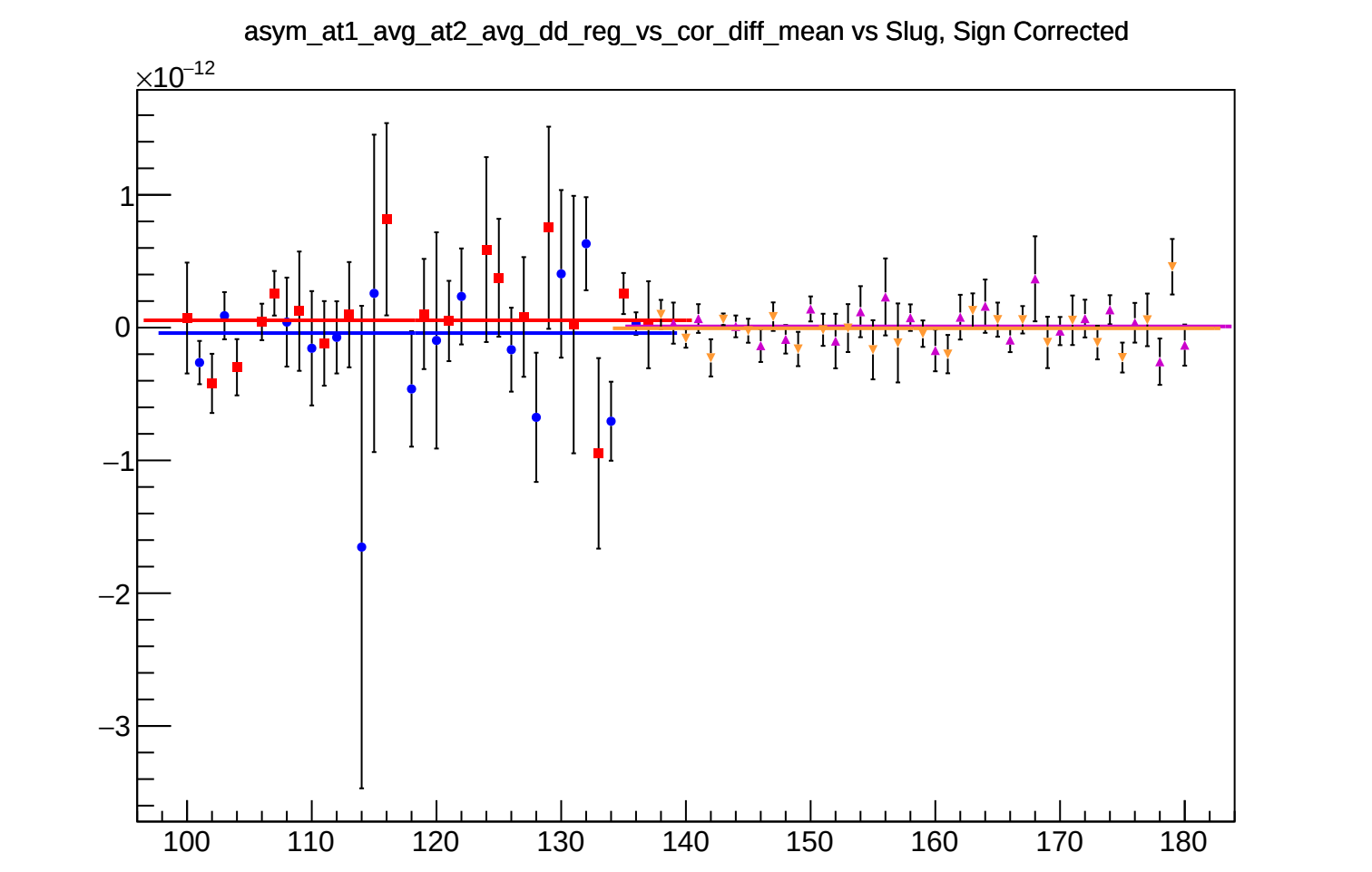
Left: 4299.214+/-0.529 χ^2/NDF: 2910990.3/42

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4194.150+/-0.612 χ^2/NDF:1700257.4/36

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/20

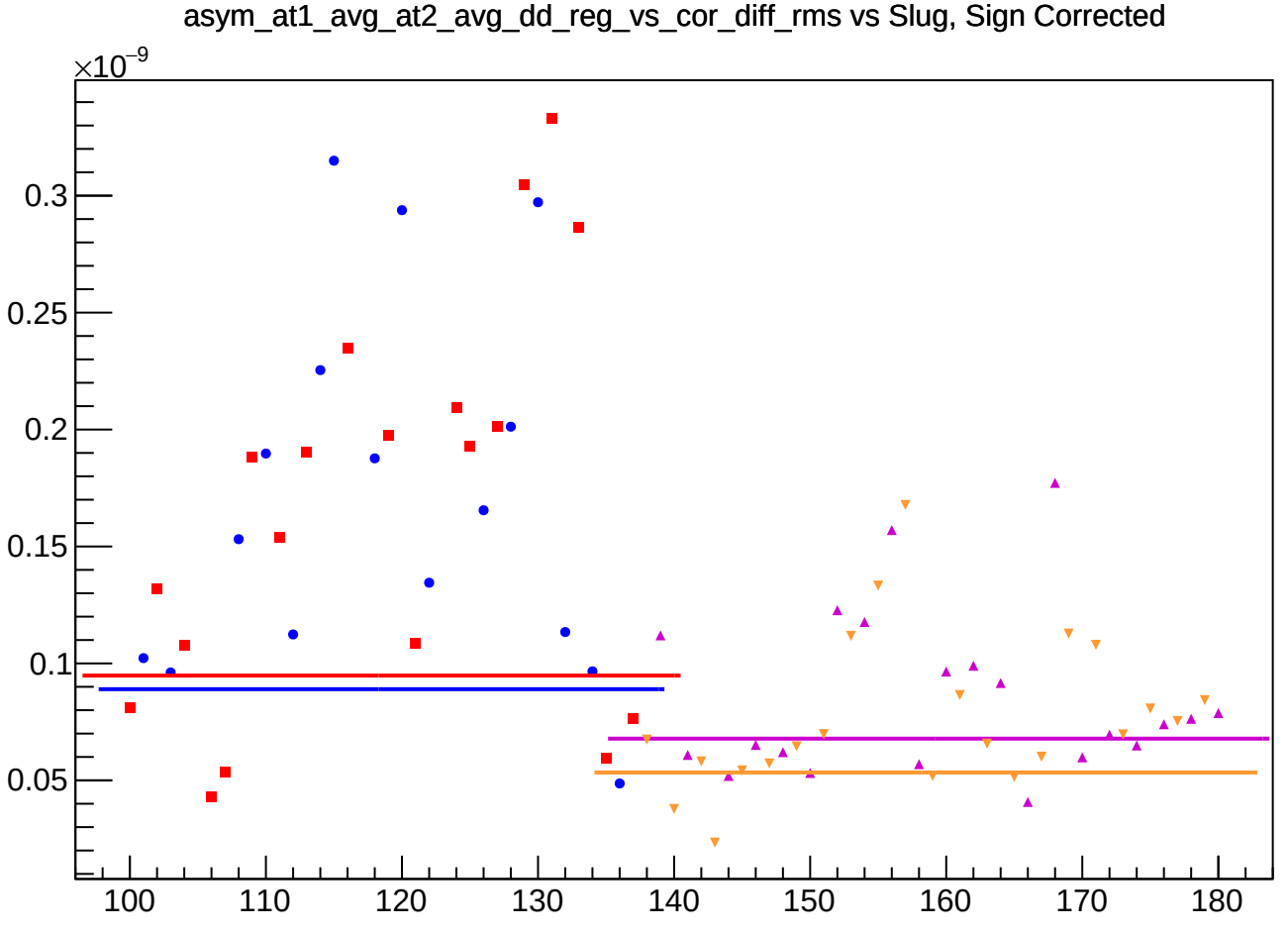
Left: 0.000+/-0.000 χ^2/NDF: 39.1/42

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:32.7/36

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

Left: 0.000+/-0.000 χ^2/NDF: 4304481.4/42

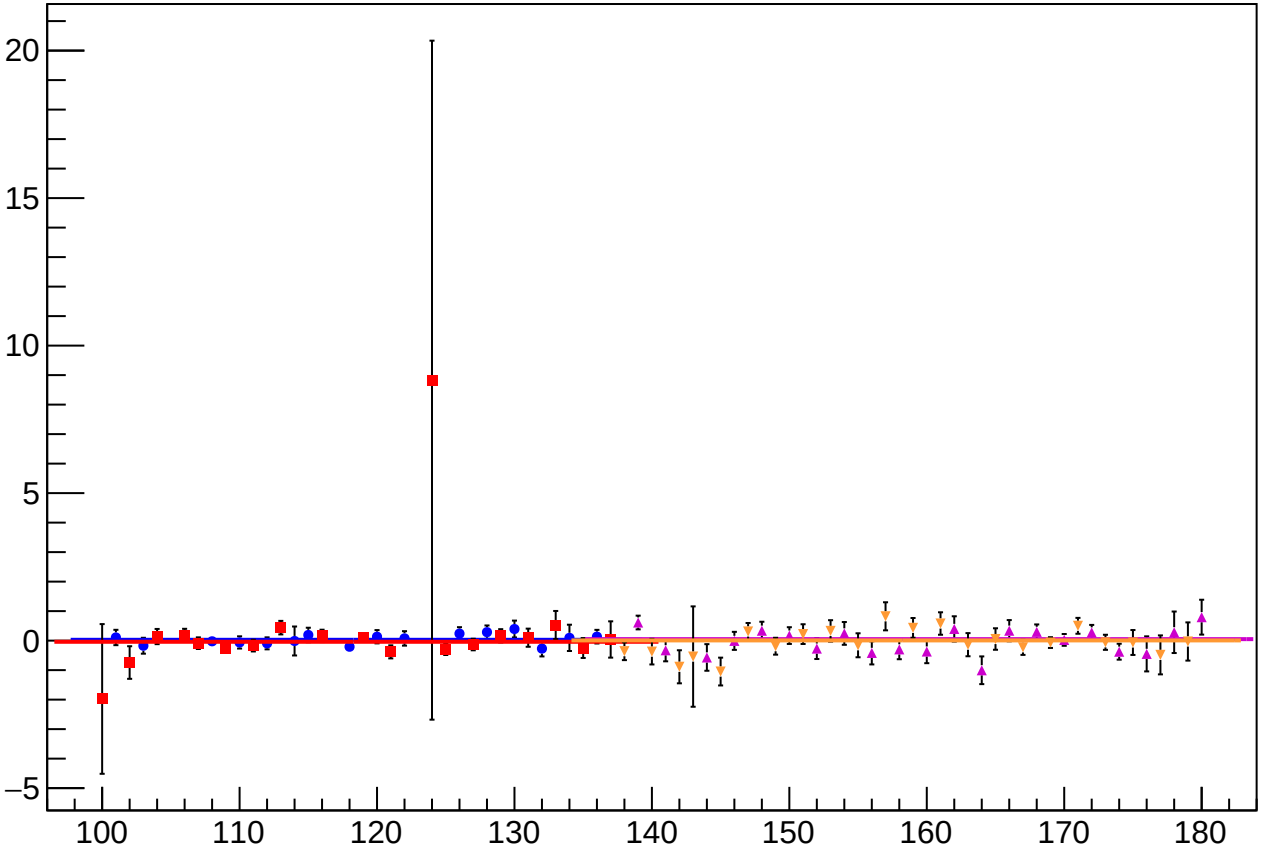
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3066247.0/36

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

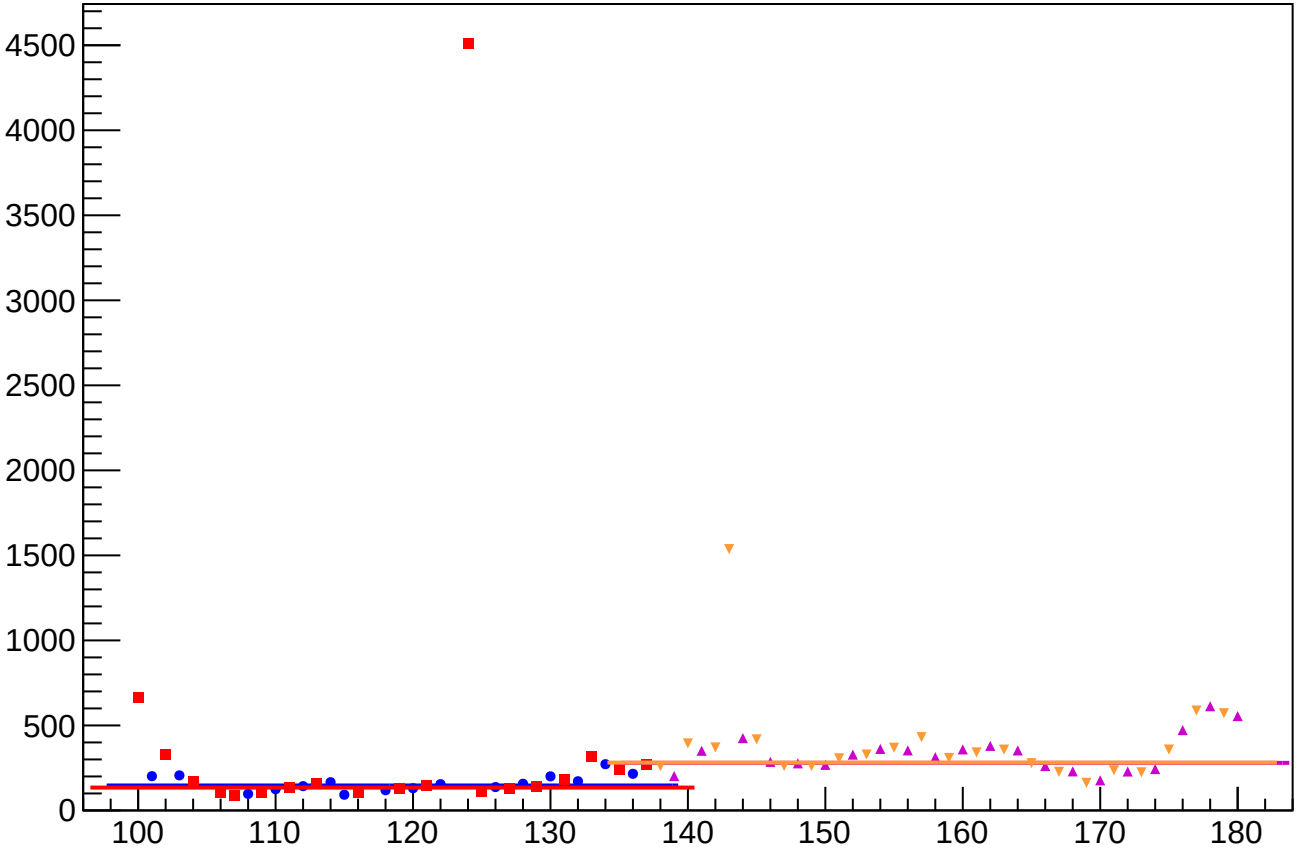
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

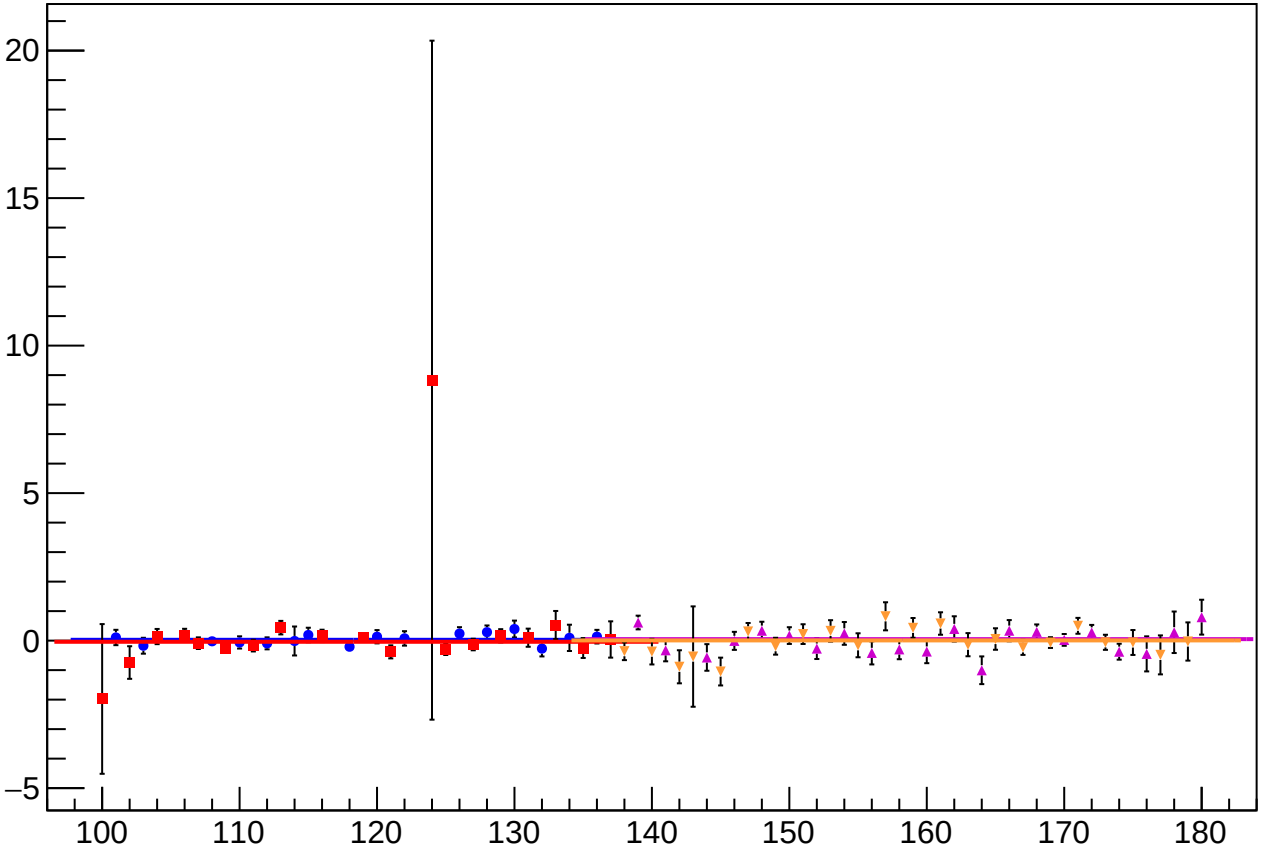
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

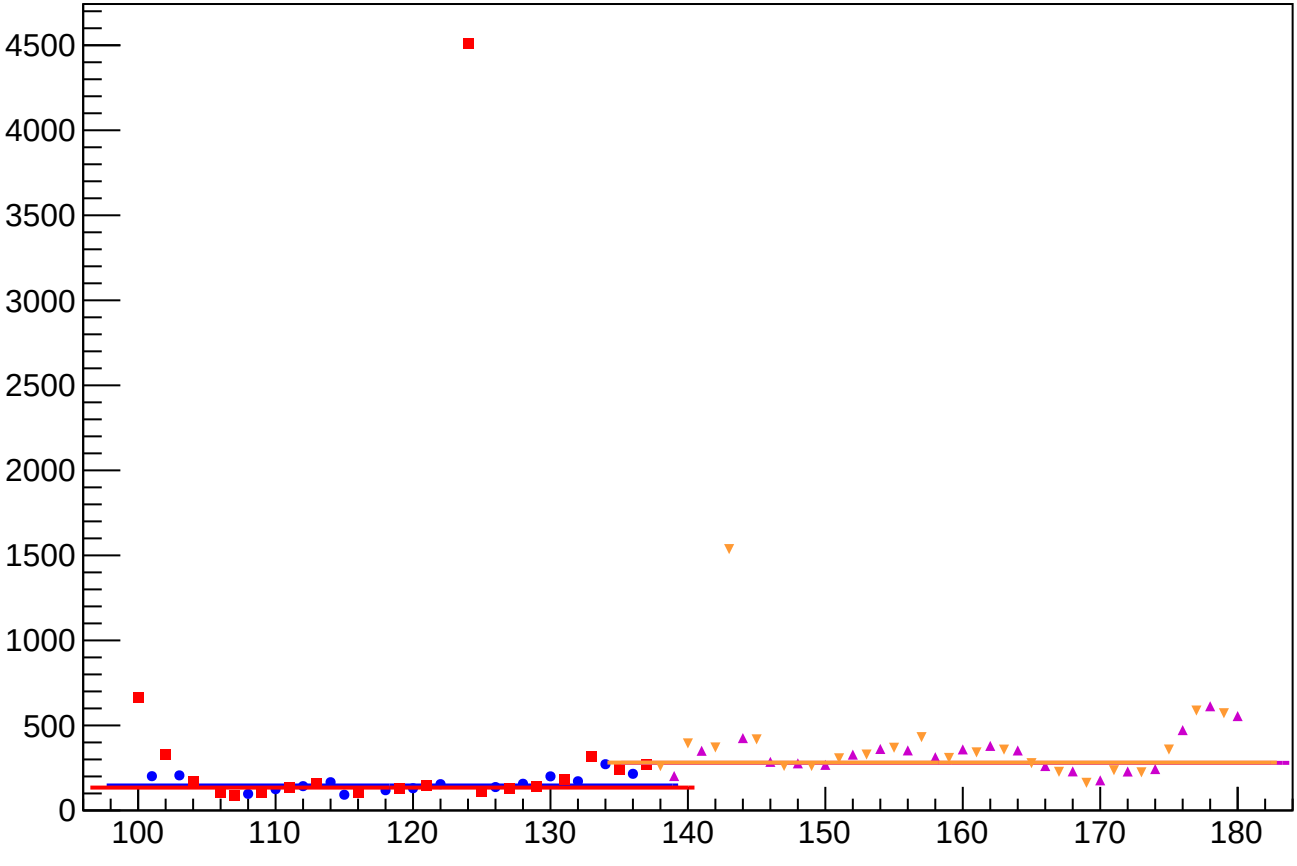
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

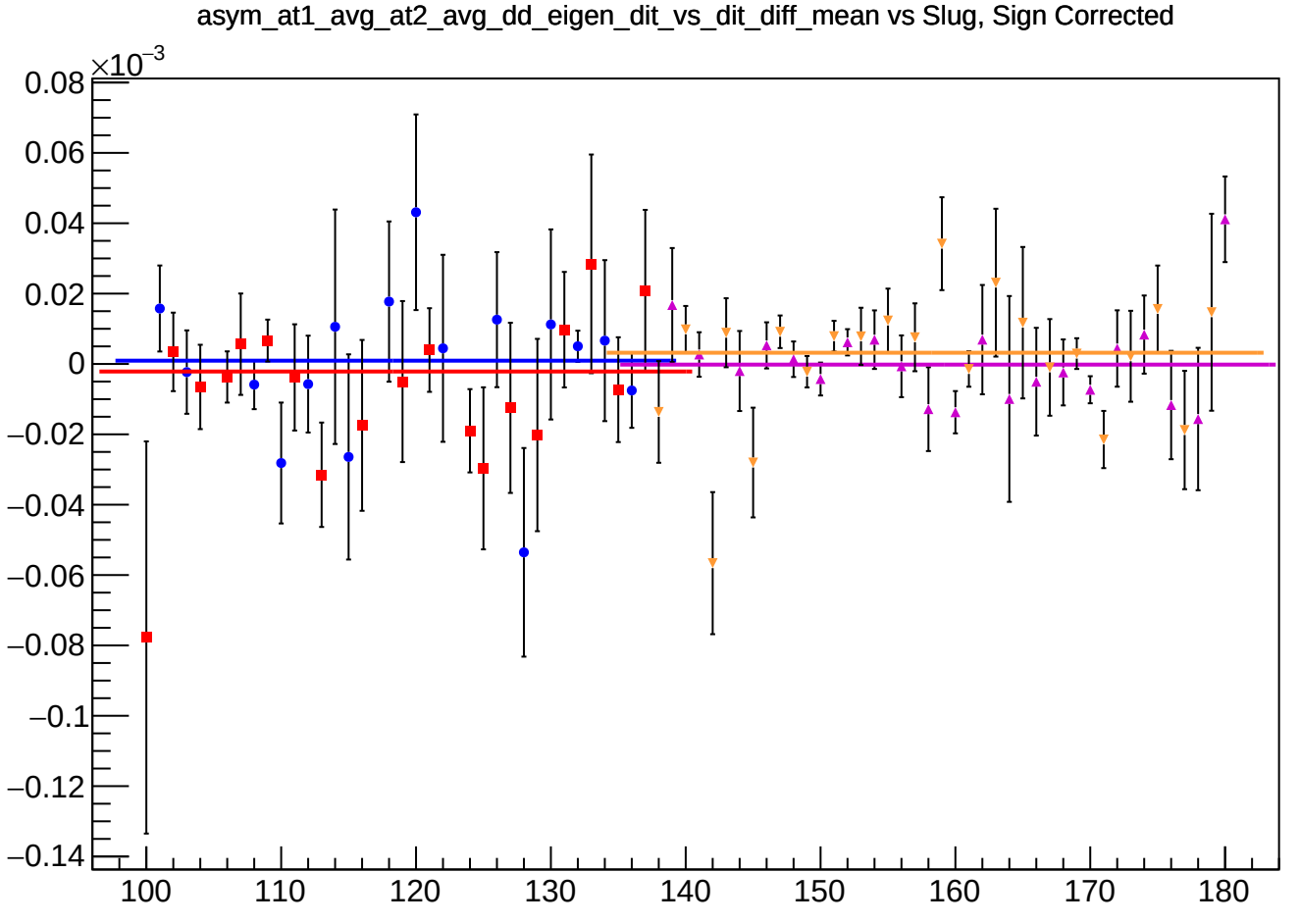
Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

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

Left In: -0.000+/-0.000 χ^2/NDF:30.1/20

Left: 0.000+/-0.000 χ^2/NDF: 73.1/42

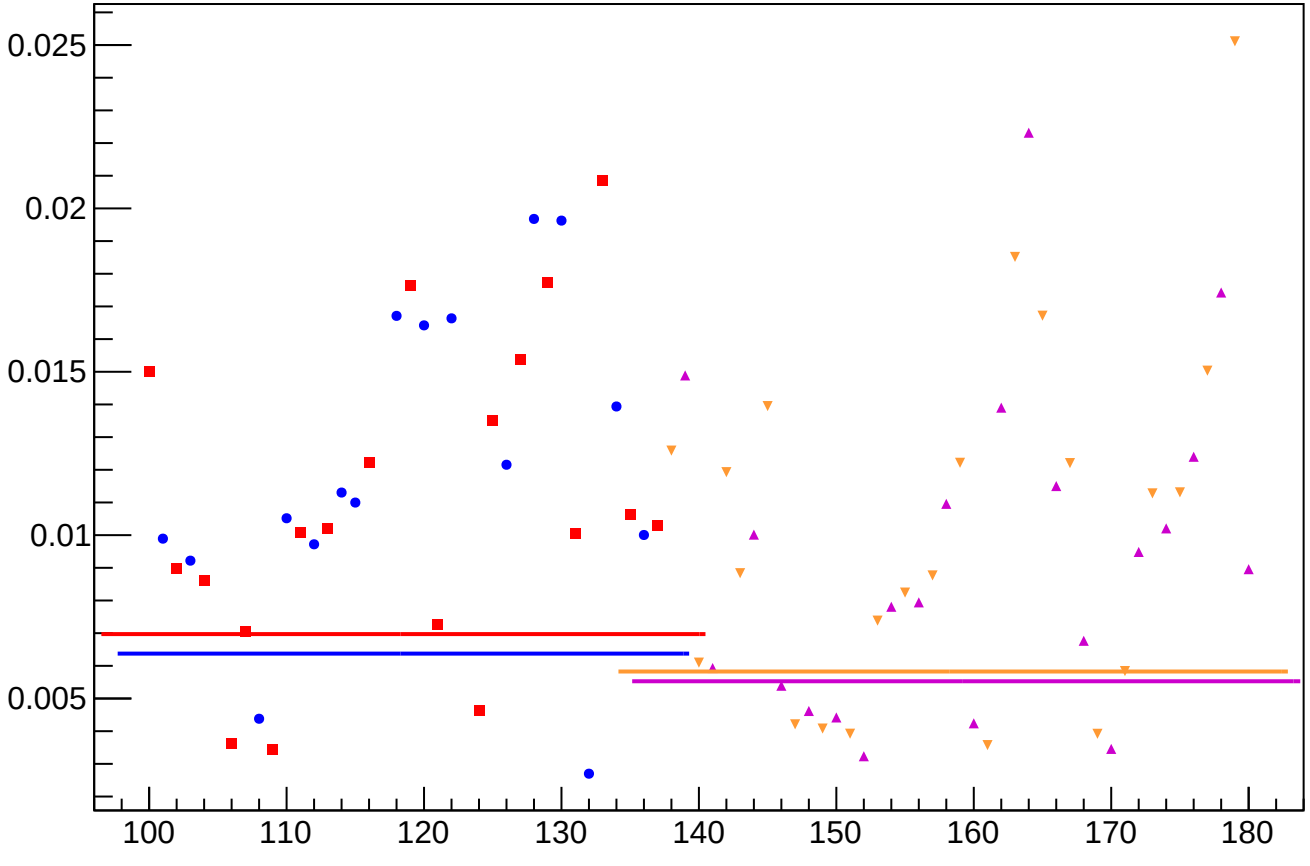
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:45.0/36

Out: 0.000+/-0.000 χ^2/NDF:59.4/40

All: 0.000+/-0.000 χ^2/NDF: 105.3/77

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

Left: 0.006+/-0.000 χ^2/NDF: 14696609.6/42

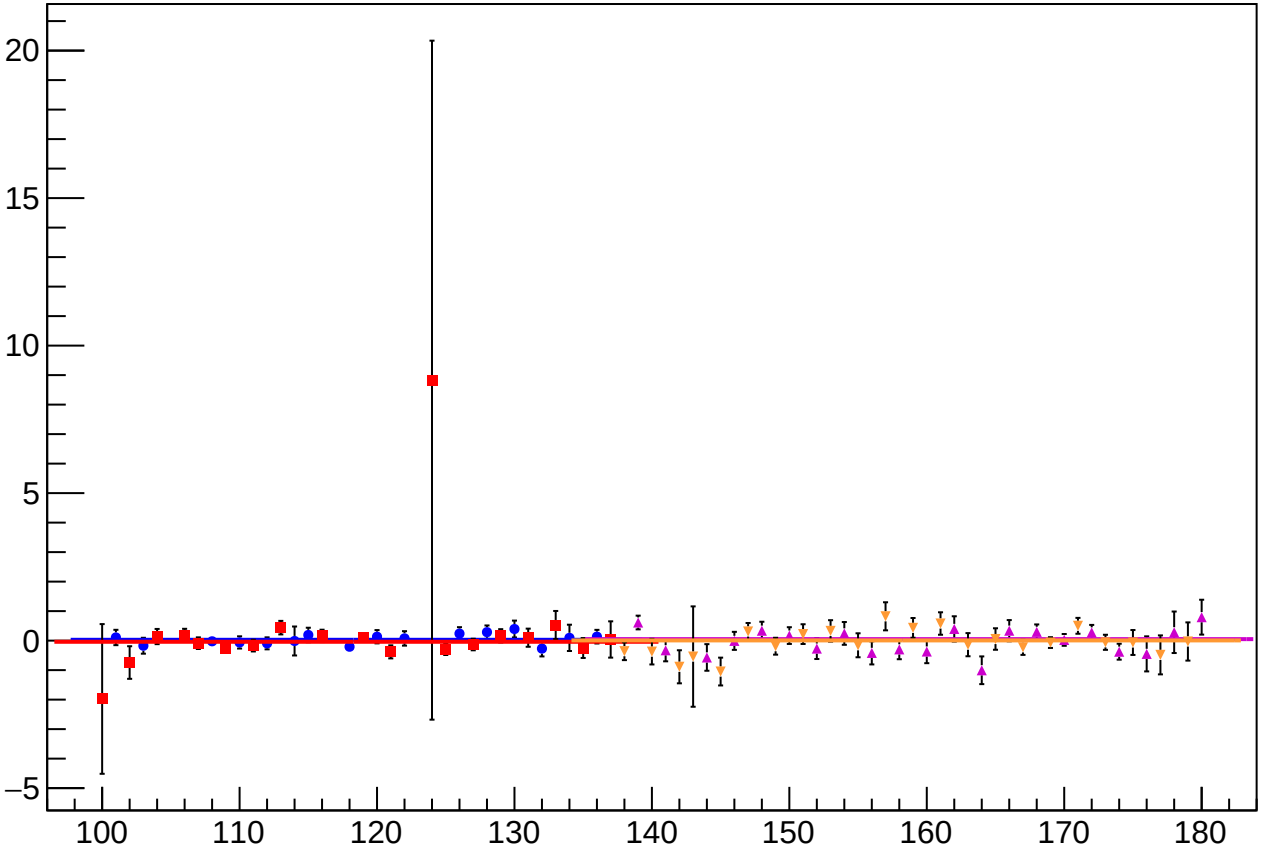
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11525805.5/36

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

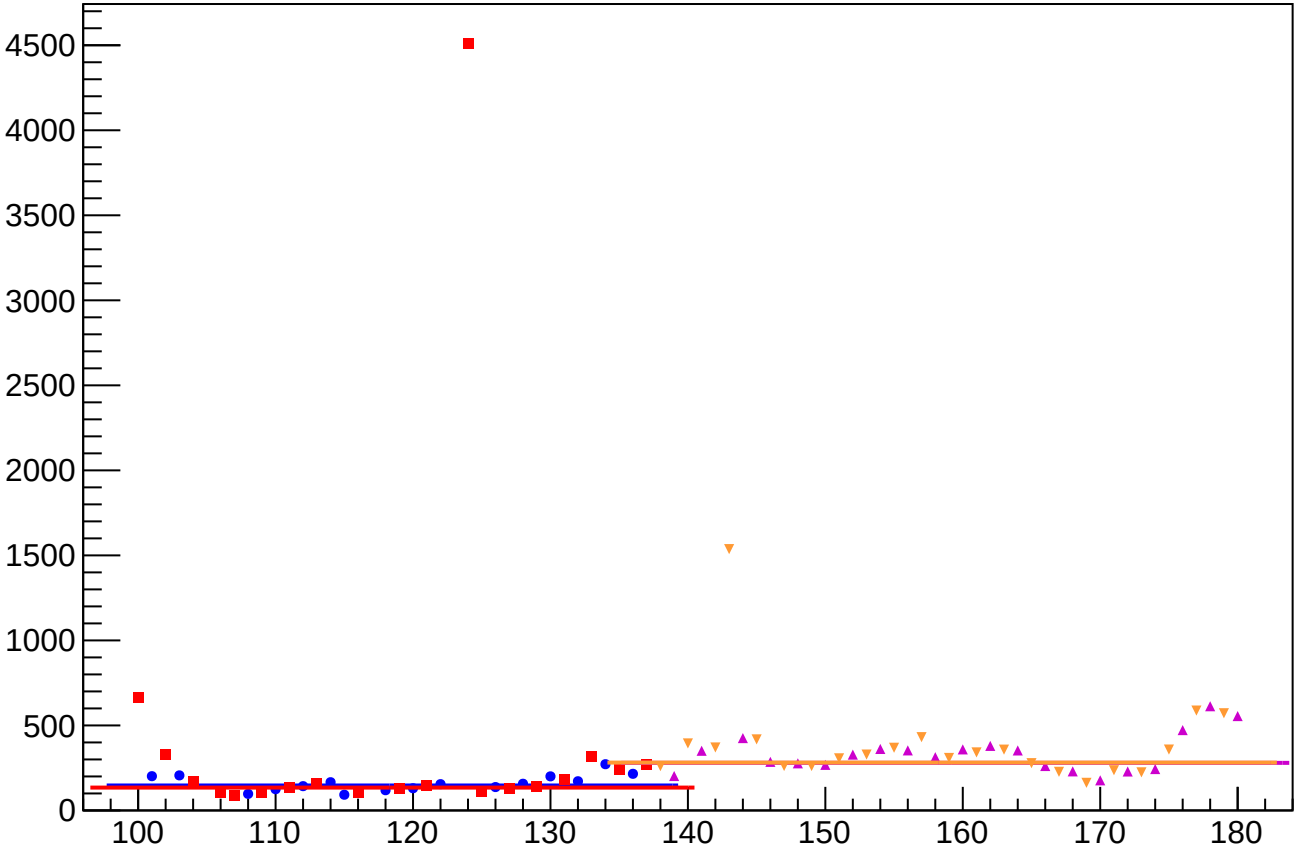
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

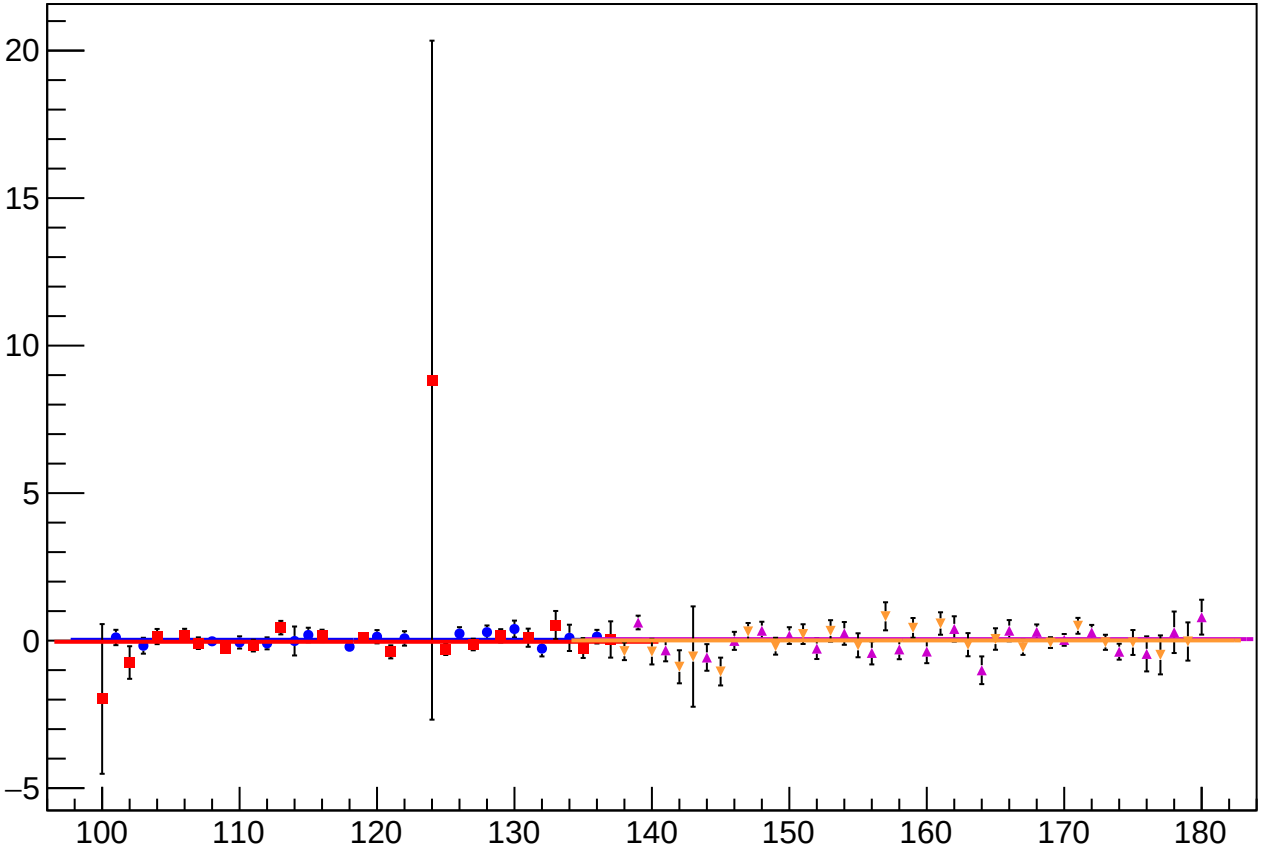
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

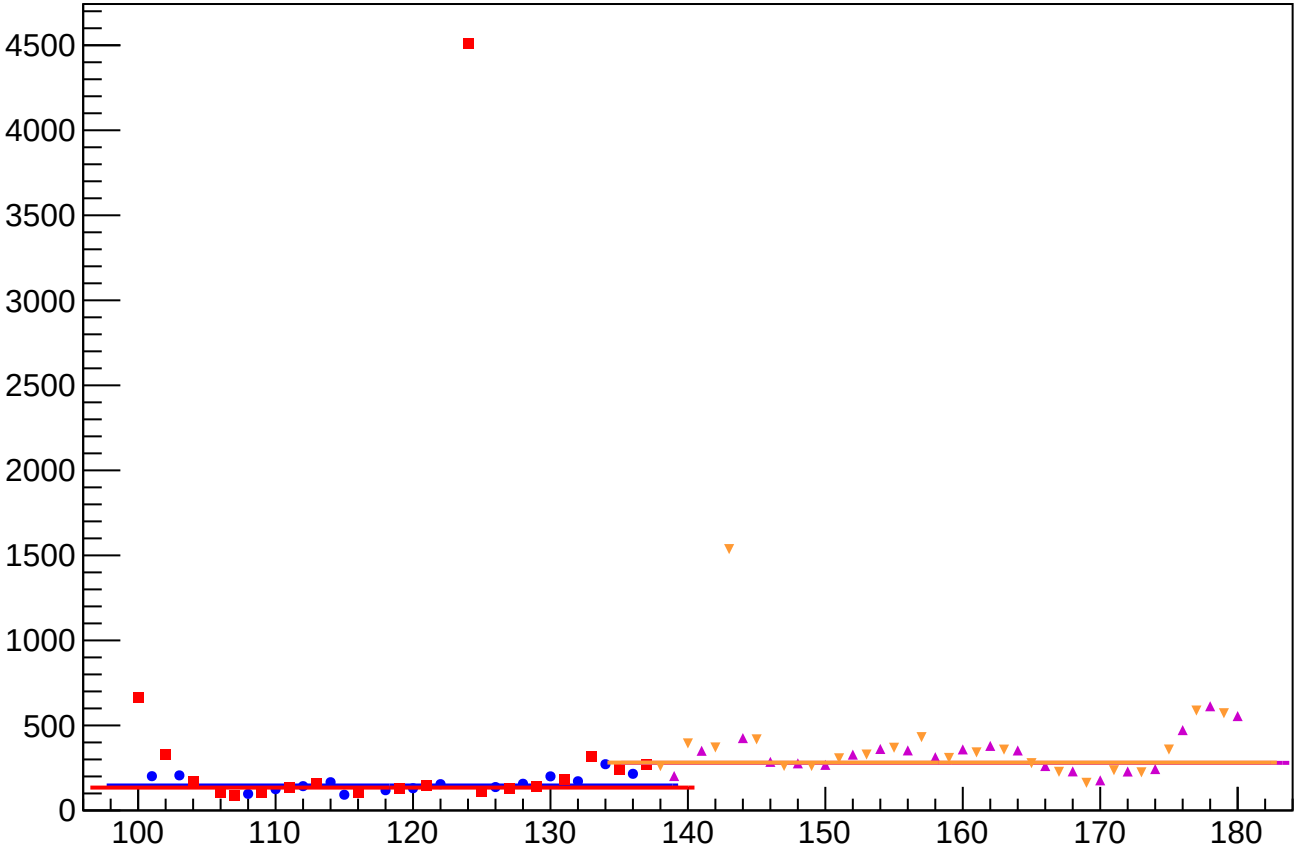
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

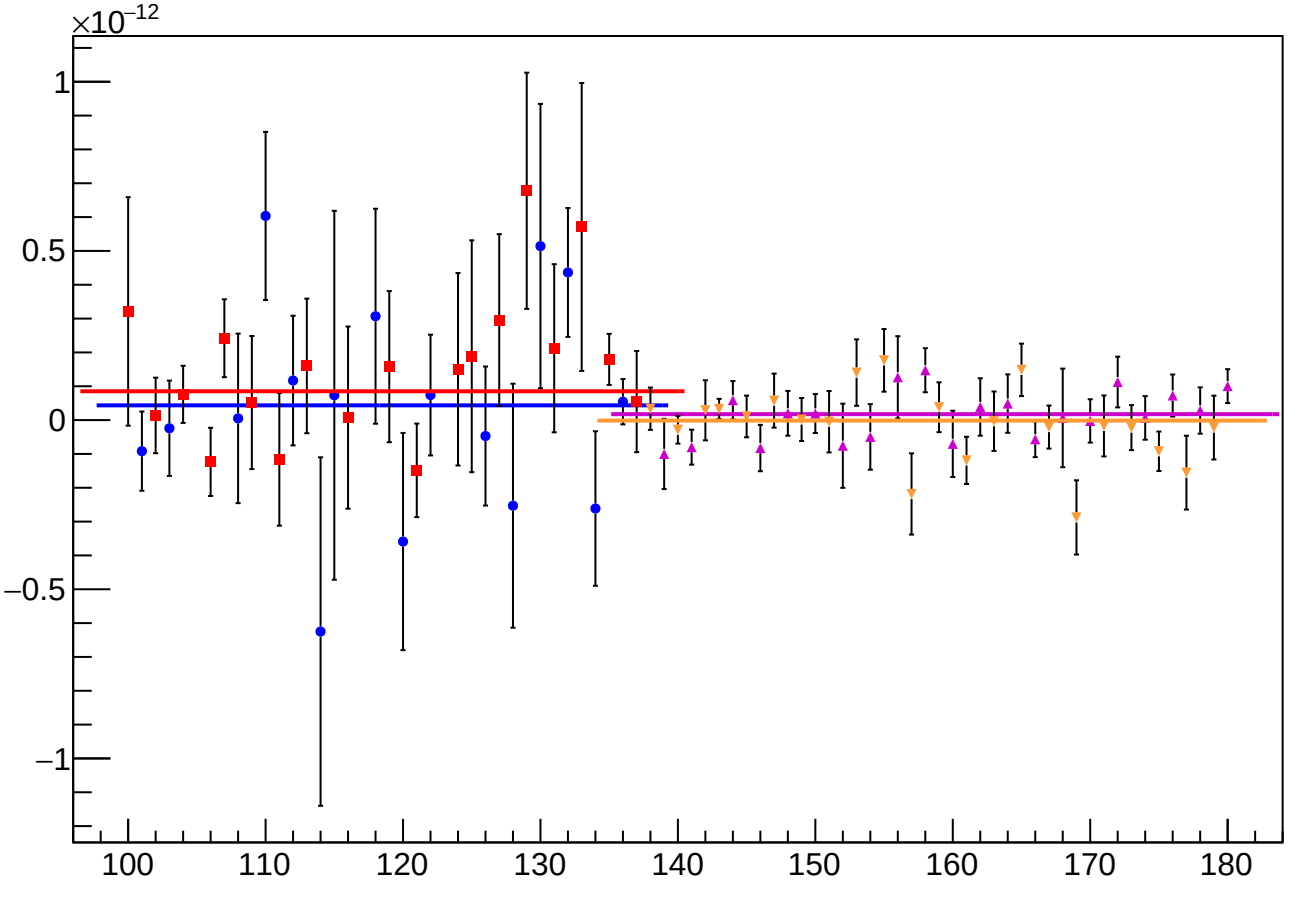
Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/20

Left: 0.000+/-0.000 χ^2/NDF: 52.7/42

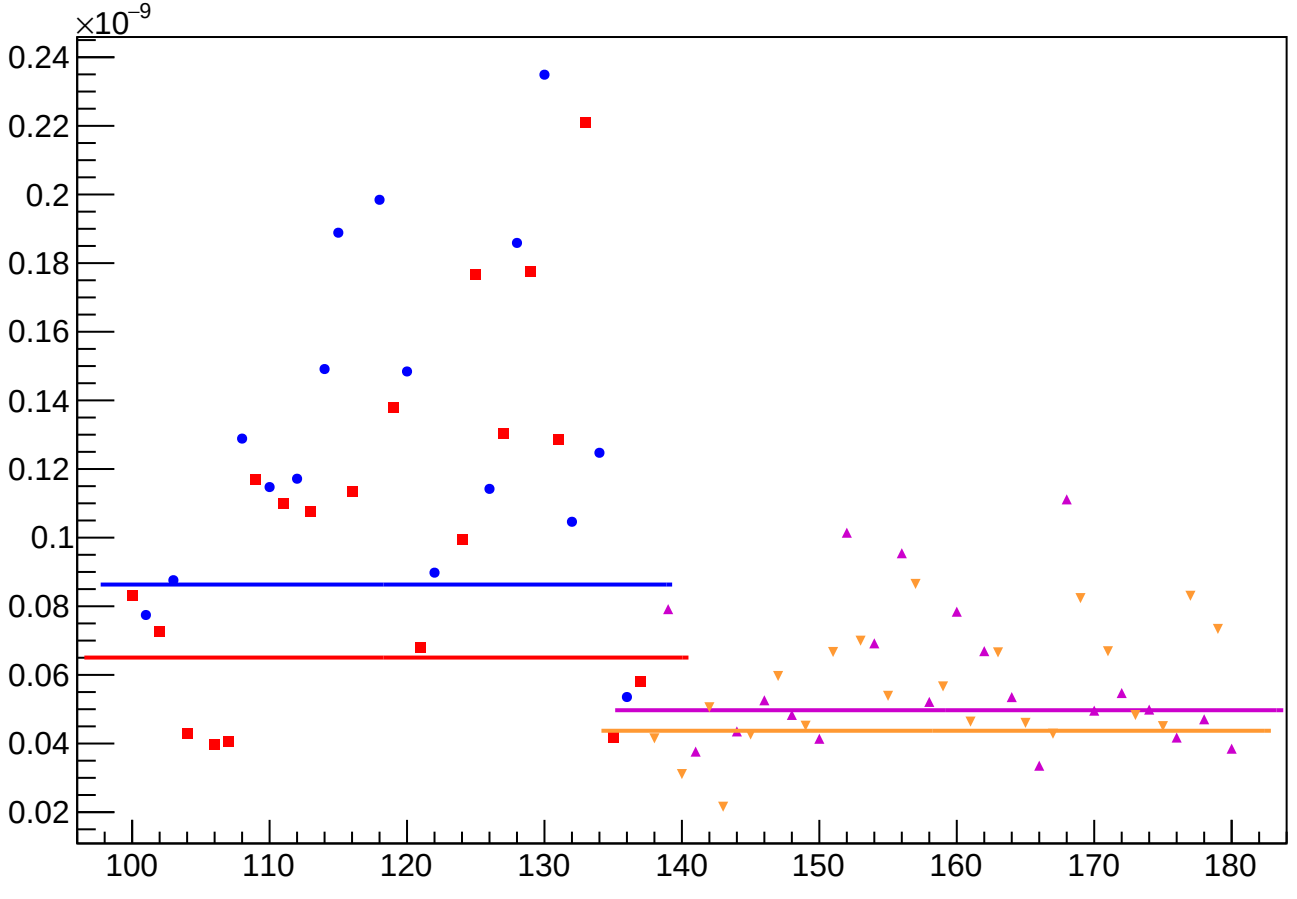
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/36

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 95.1/77

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:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

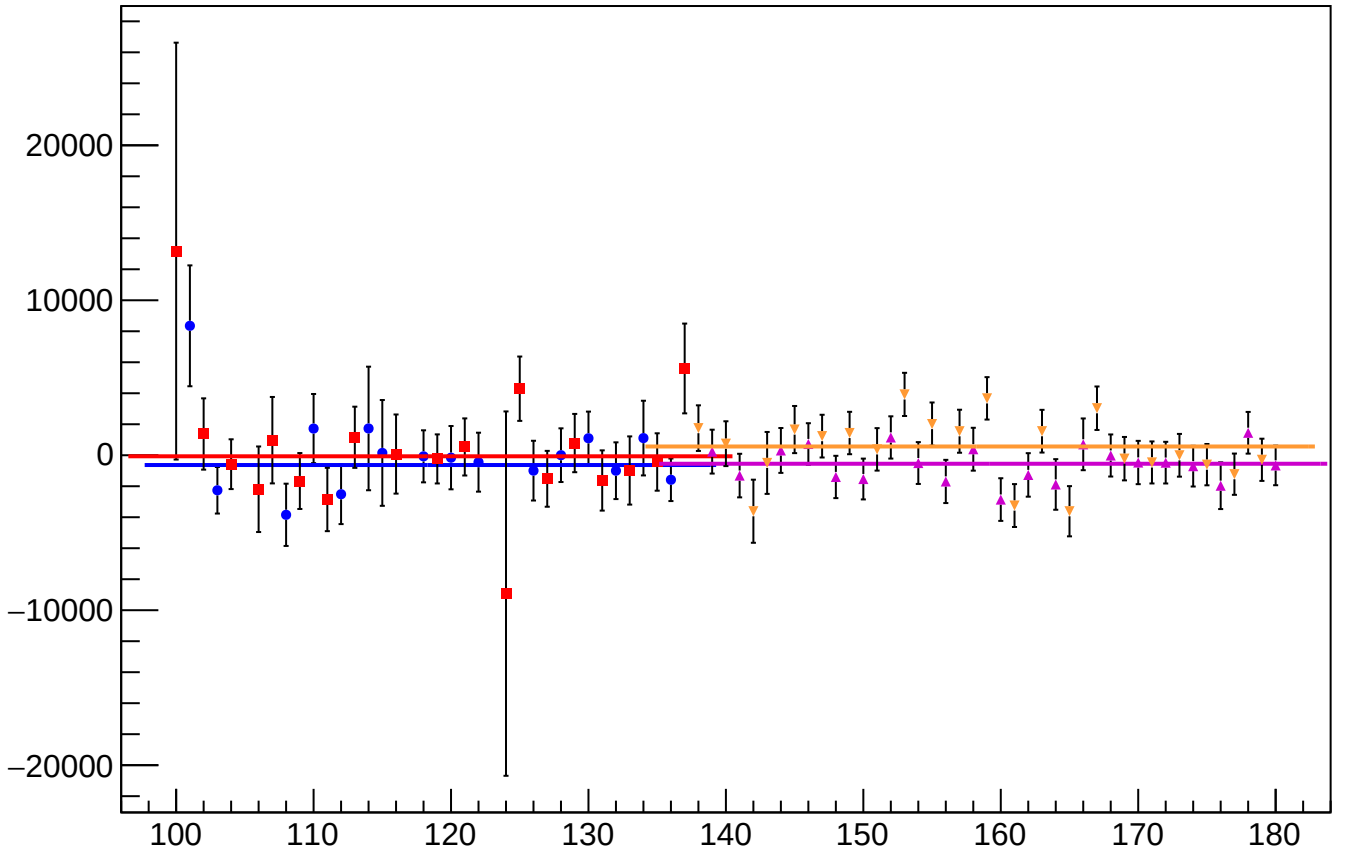
Left: 0.000+/-0.000 χ^2/NDF: 5167505.2/42

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4868574.0/36

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -549.417+/-303.758 χ^2/NDF:13.1/20

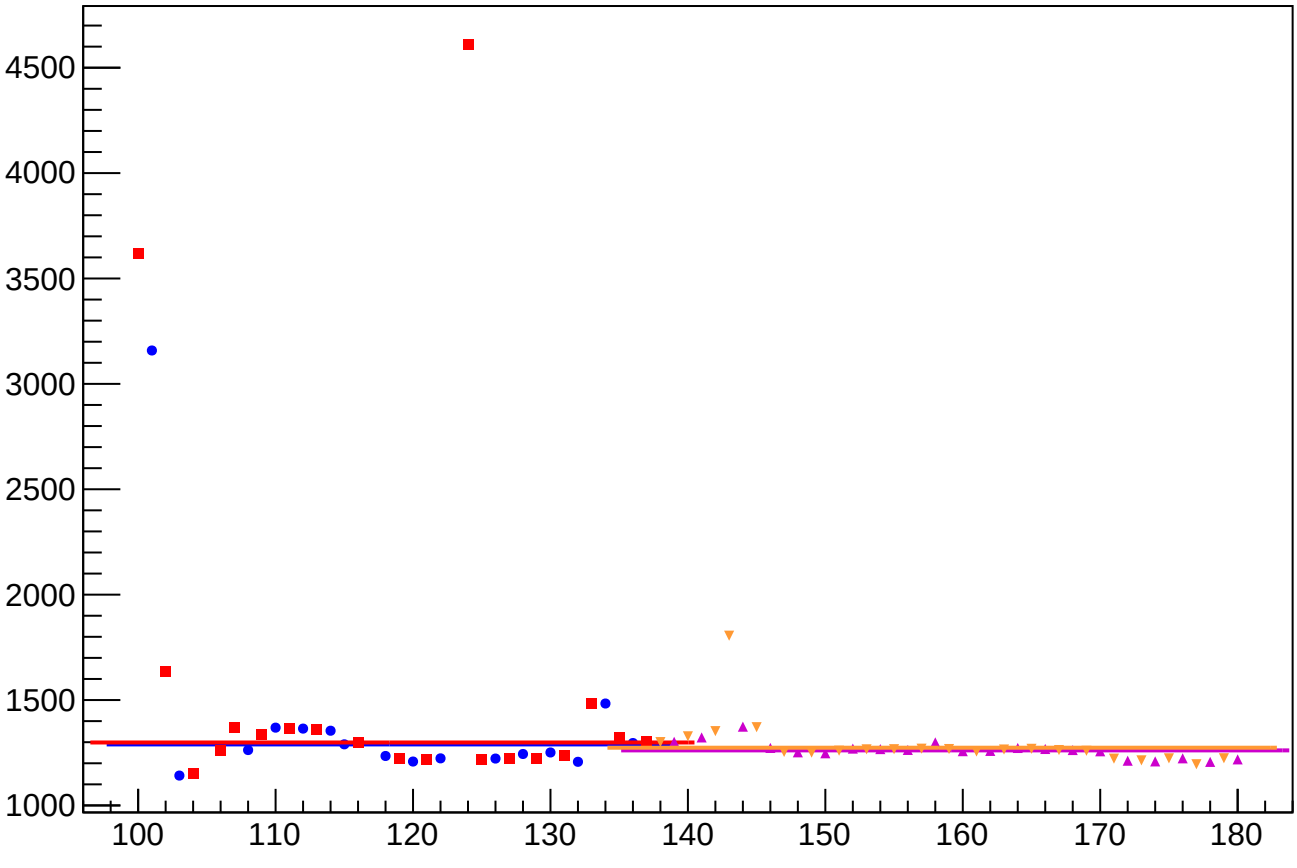
Left: 4.771+/-215.357 χ^2/NDF: 60.5/42

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -572.167+/-257.979 χ^2/NDF:27.0/36

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -94.286+/-182.718 χ^2/NDF: 91.7/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.3/20

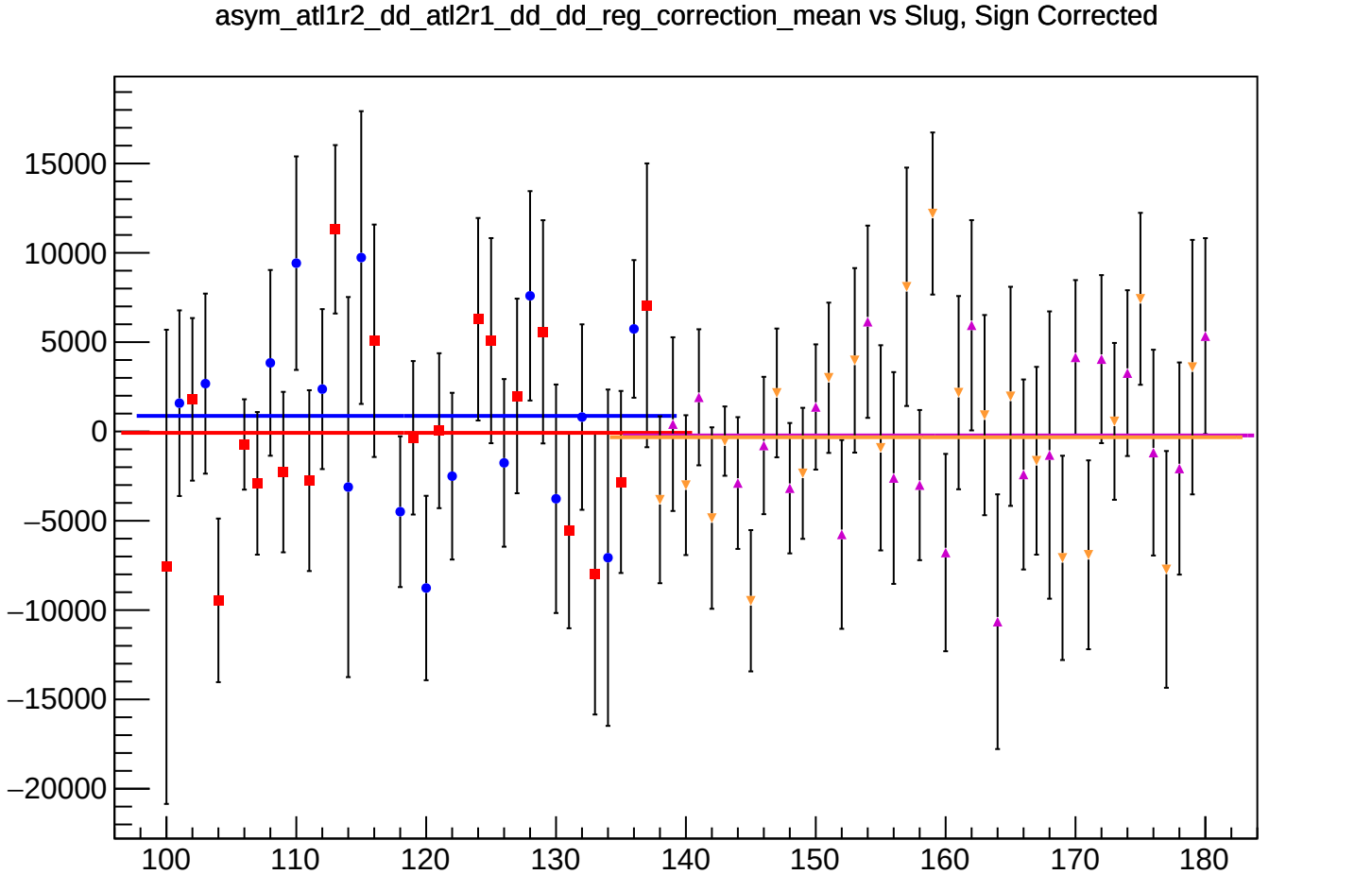
Left: 1267.470+/-0.152 χ^2/NDF: 211615.3/42

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1269.059+/-0.182 χ^2/NDF:551922.0/36

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1274.939+/-0.129 χ^2/NDF: 1054591.5/77



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -223.001+/-1035.187 χ^2/NDF:13.2/20

Left: -277.774+/-691.365 χ^2/NDF: 39.3/42

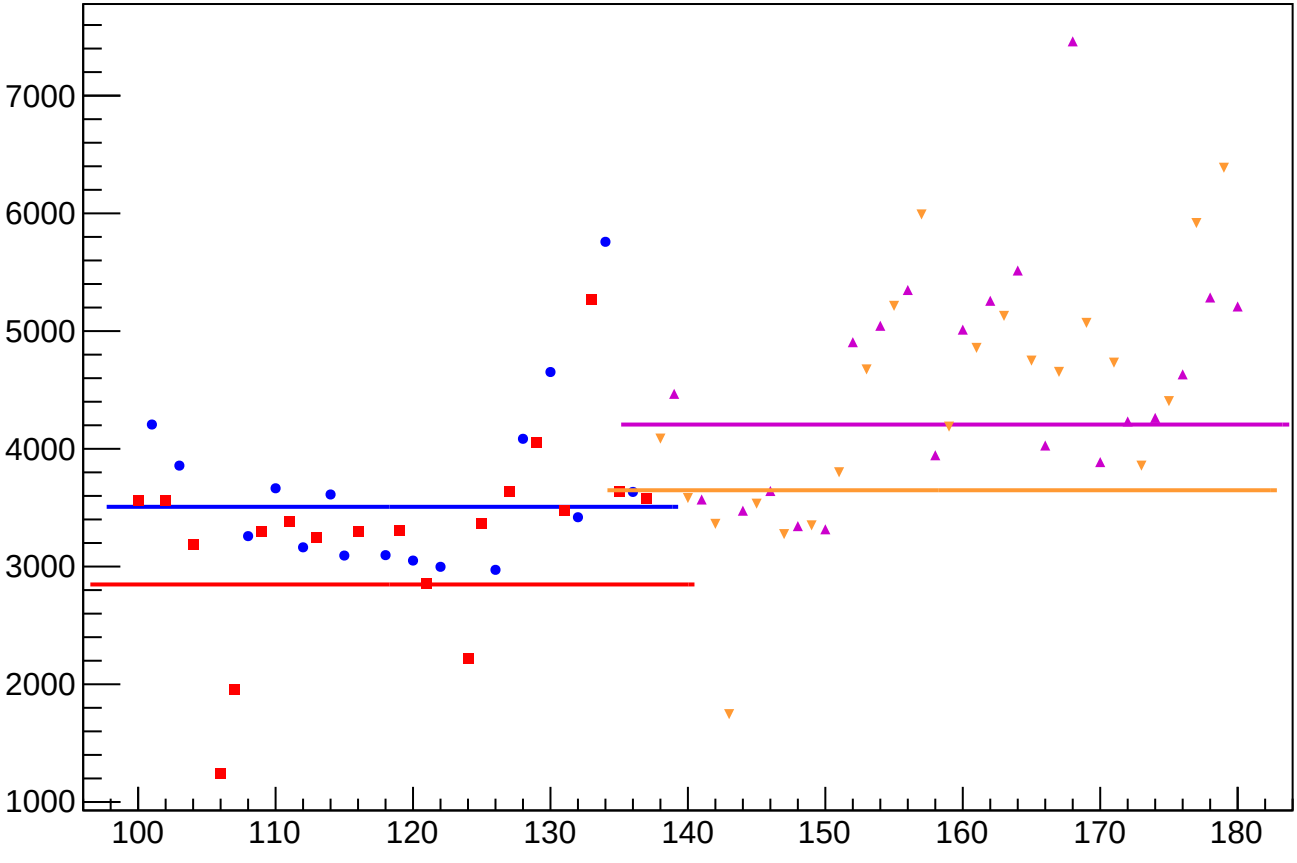
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 191.285+/-815.808 χ^2/NDF:27.7/36

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -42.708+/-536.710 χ^2/NDF: 72.3/77

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4206.175+/-0.732 χ^2/NDF:1248623.3/20

Left: 3896.998+/-0.489 χ^2/NDF: 5229296.8/42

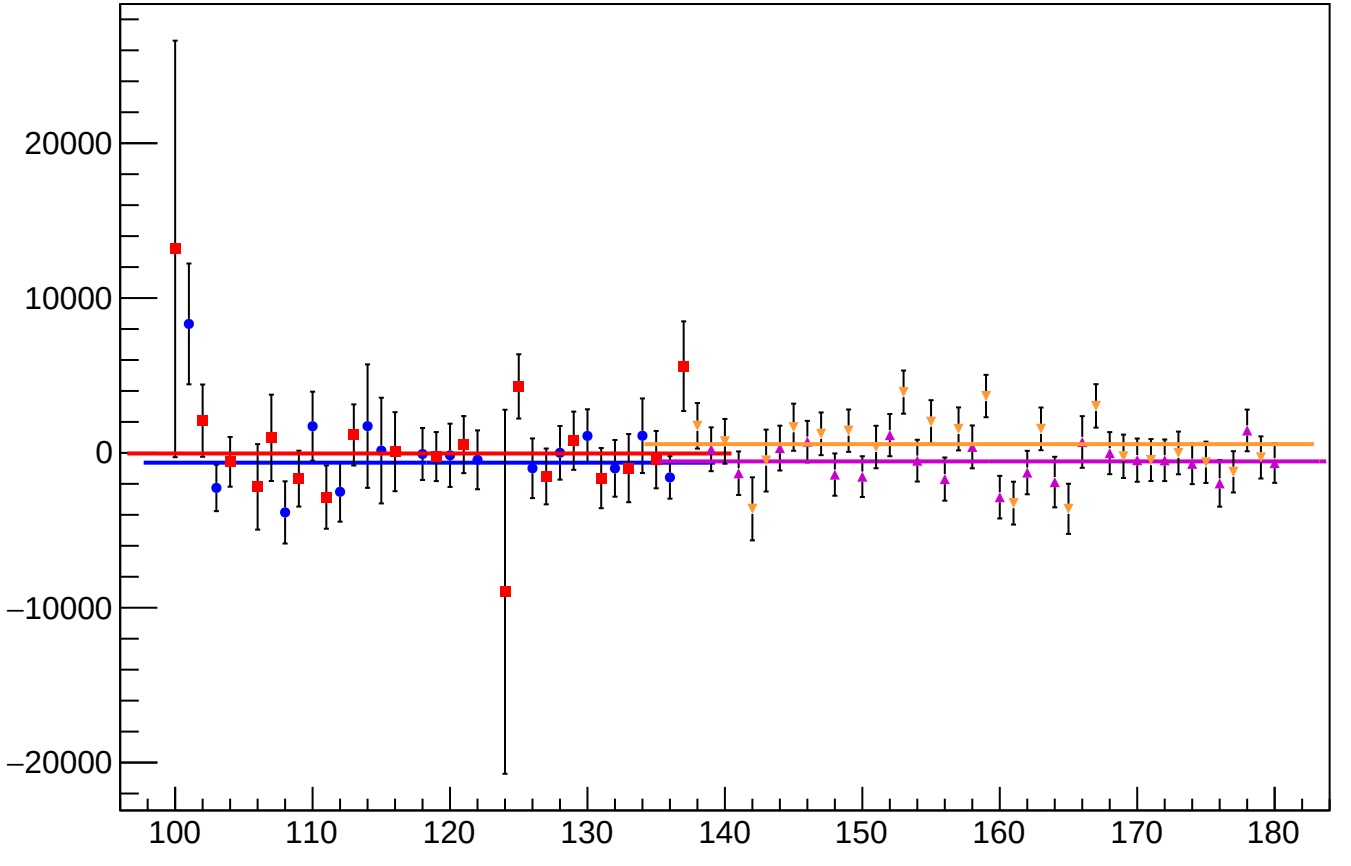
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3941.385+/-0.577 χ^2/NDF:1947931.3/36

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3588.286+/-0.380 χ^2/NDF: 8377128.8/77

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -549.318+/-303.758 χ^2/NDF:13.1/20

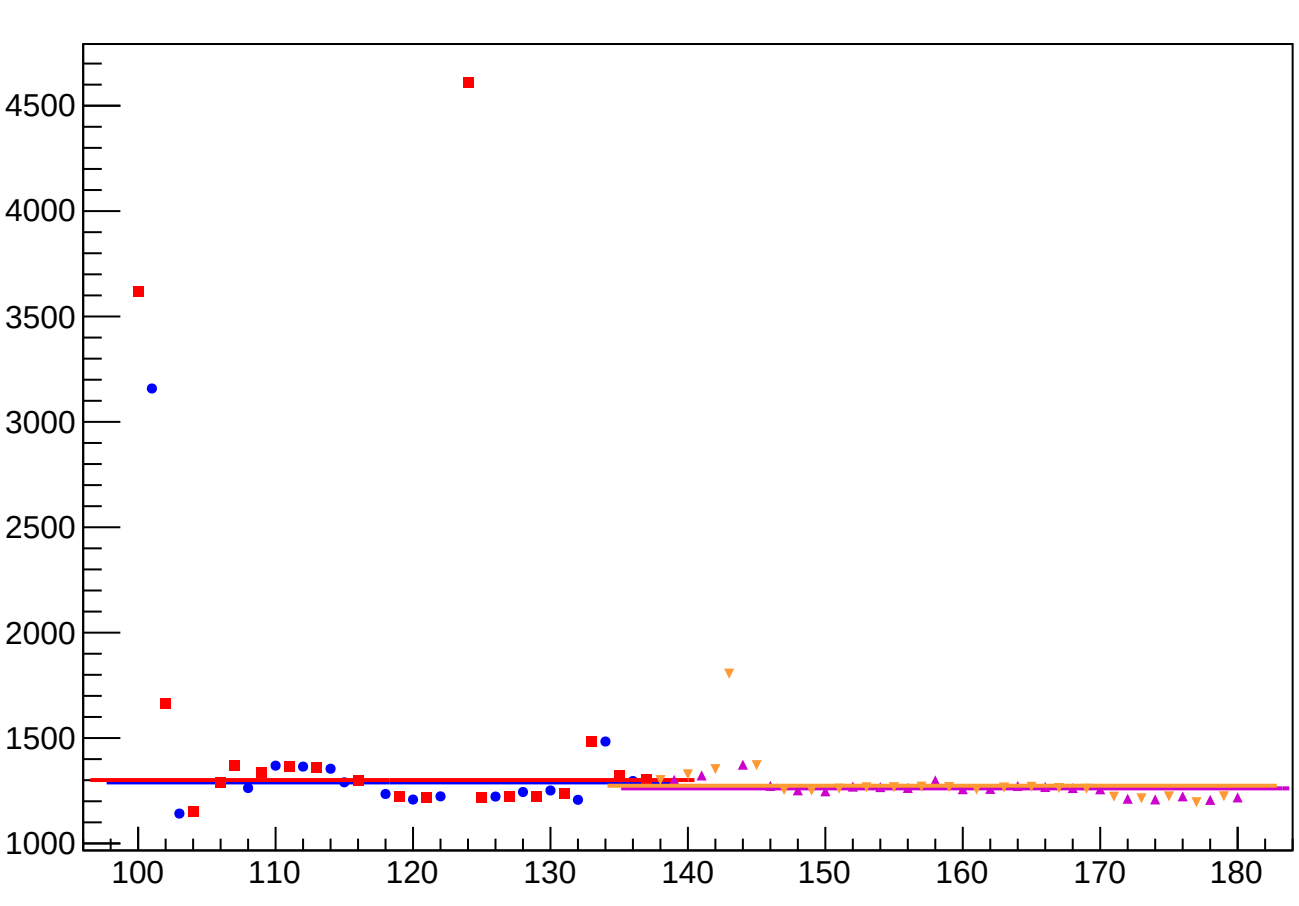
Left: 4.830+/-215.357 χ^2/NDF: 60.5/42

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -572.202+/-257.979 χ^2/NDF:27.0/36

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -90.234+/-182.735 χ^2/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

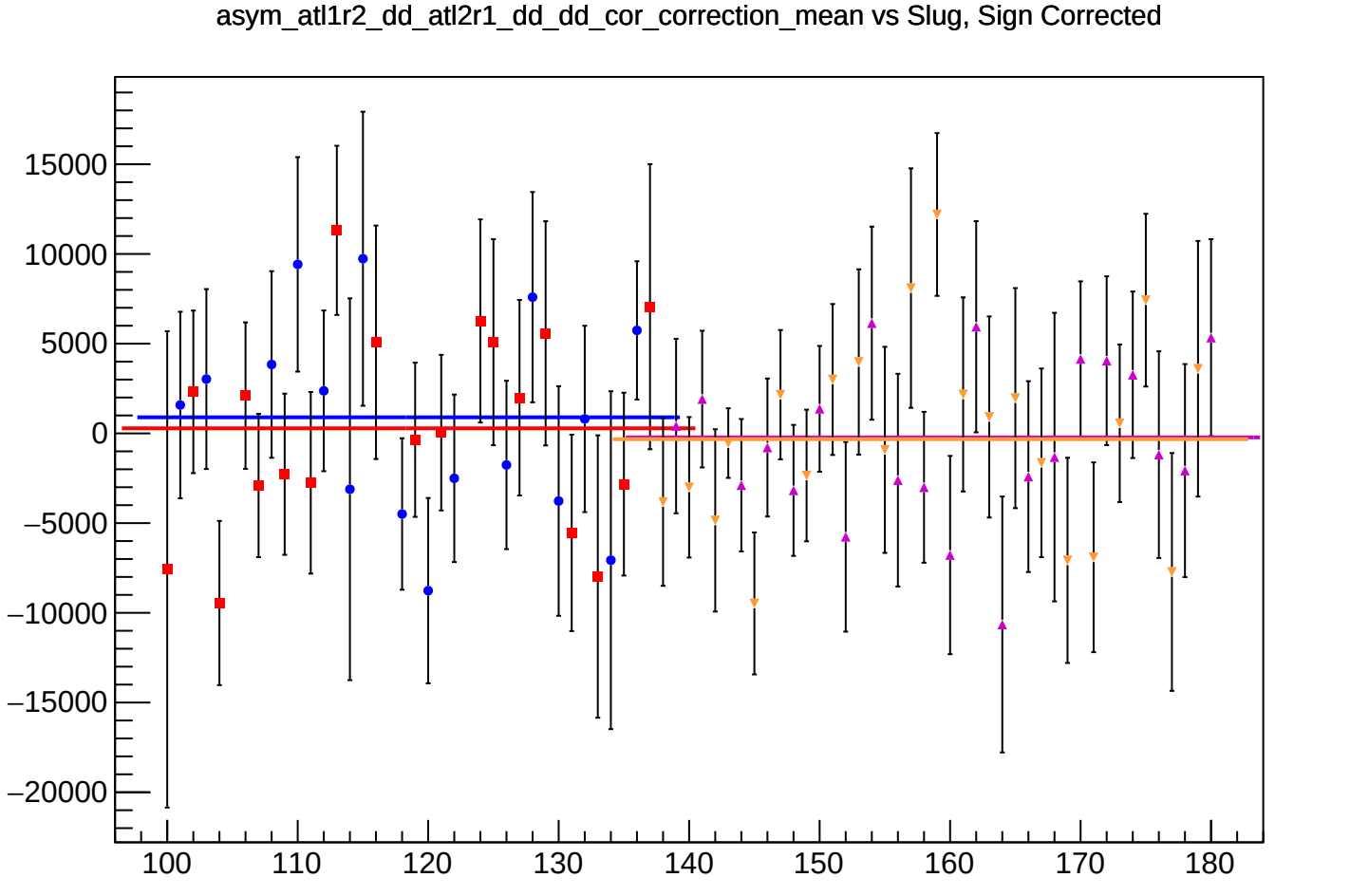
Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -222.990+/-1035.185 χ^2/NDF:13.2/20

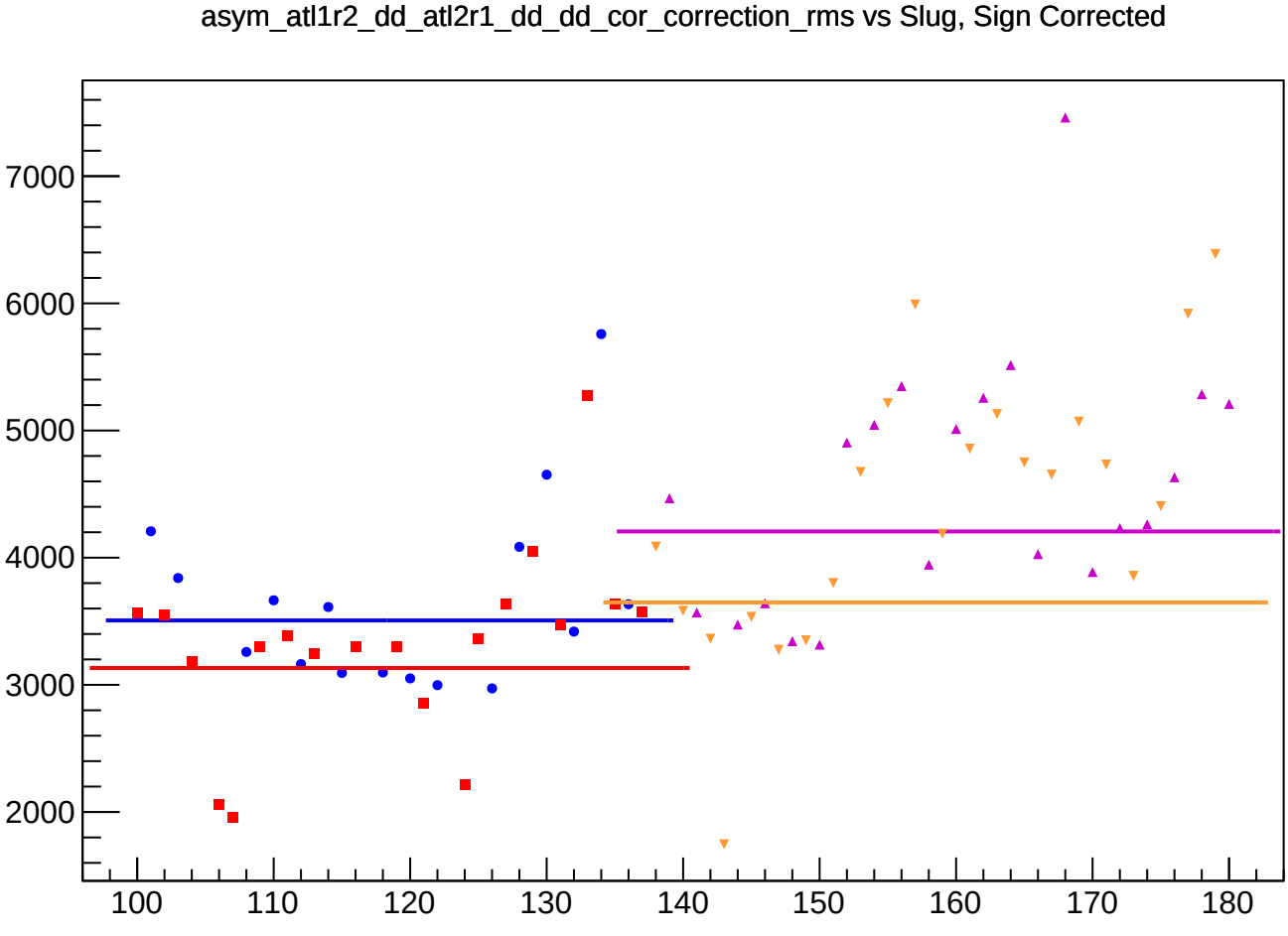
Left: -277.733+/-691.364 χ^2/NDF: 39.3/42

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 201.218+/-815.701 χ^2/NDF:27.8/36

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: 39.186+/-544.233 χ^2/NDF: 72.7/77



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

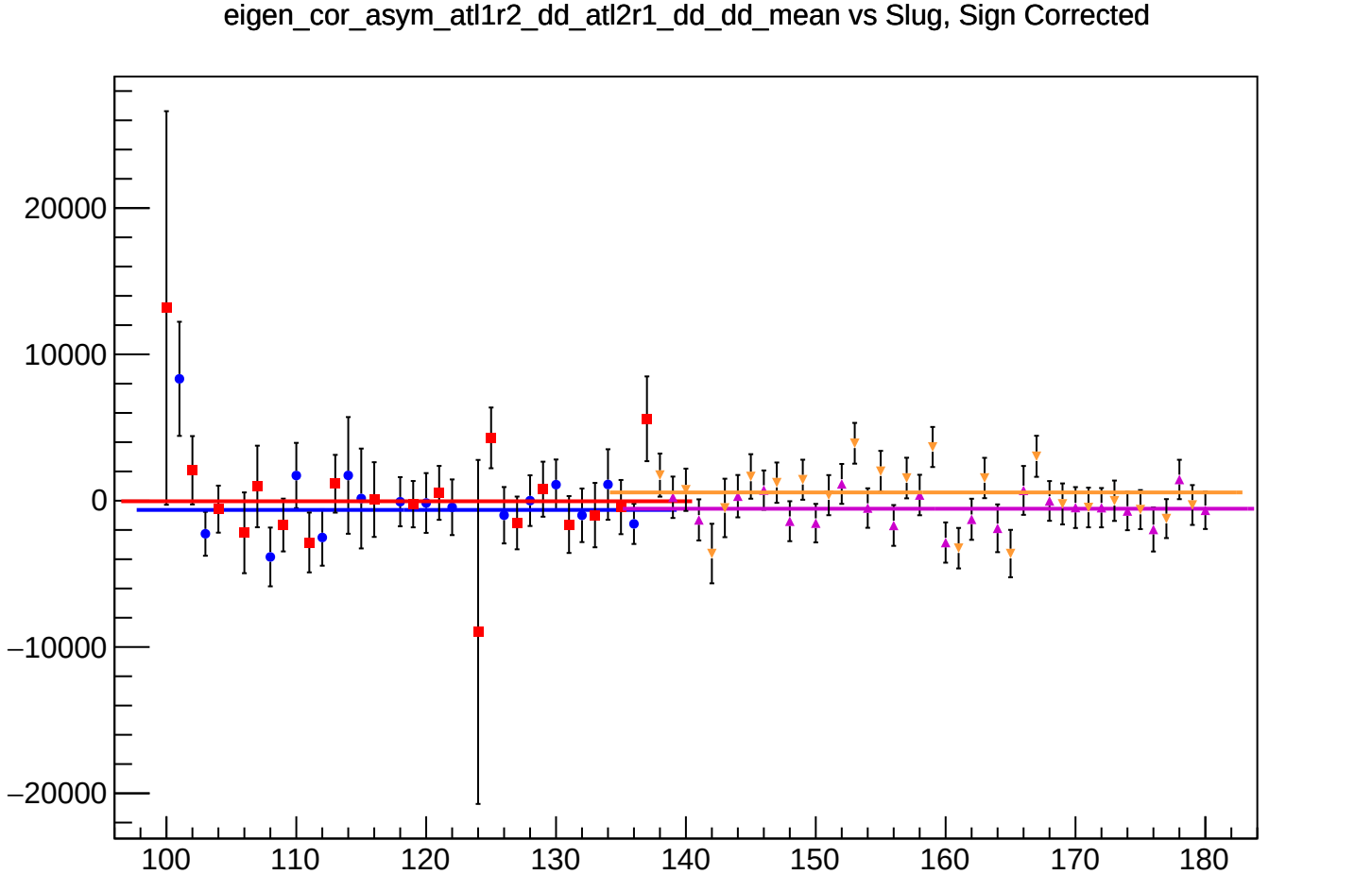
Left: 3896.991+/-0.489 χ^2/NDF: 5229336.3/42

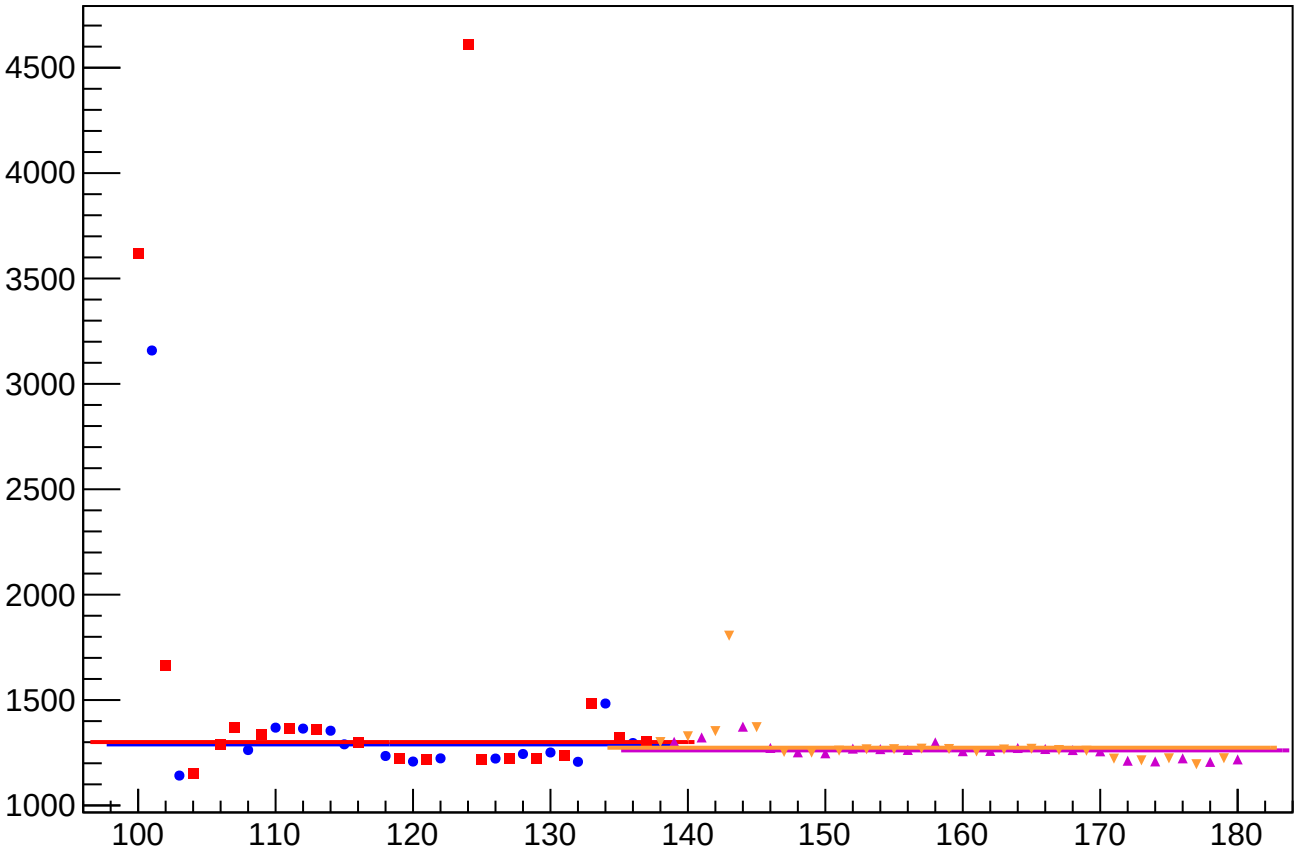
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3940.923+/-0.577 χ^2/NDF:1948233.7/36

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77


eigen_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
180
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 564.875+/-305.370 χ²/NDF:40.8/21
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -549.318+/-303.758 χ²/NDF:13.1/20
Left: 4.830+/-215.357 χ²/NDF: 60.5/42
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -572.202+/-257.979 χ²/NDF:27.0/36
Out: 395.099+/-258.878 χ²/NDF:58.2/40
All: -90.234+/-182.735 χ²/NDF: 92.2/77



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1261.174+/-0.215 χ^2/NDF:32411.2/20

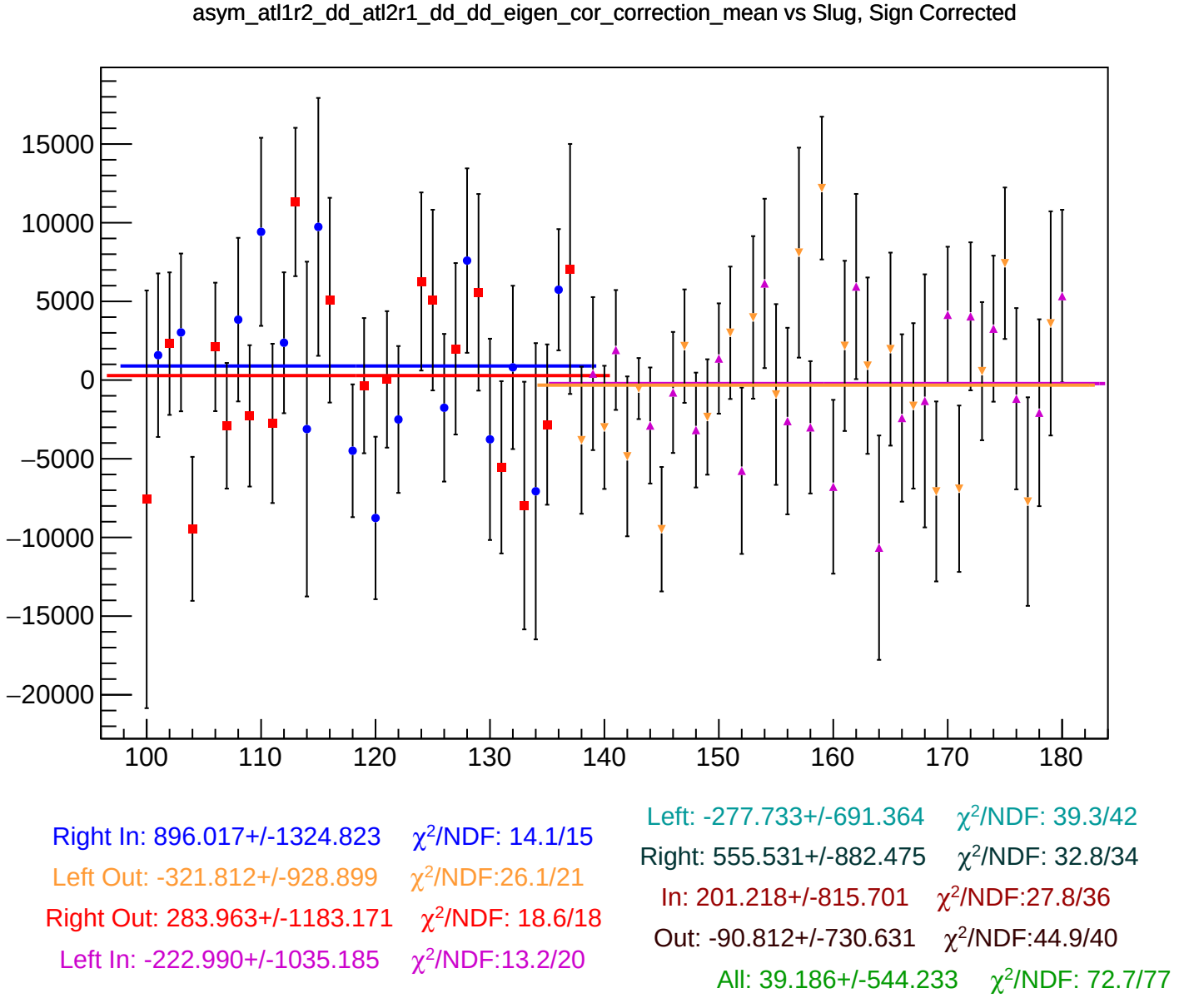
Left: 1267.470+/-0.152 χ^2/NDF: 211615.2/42

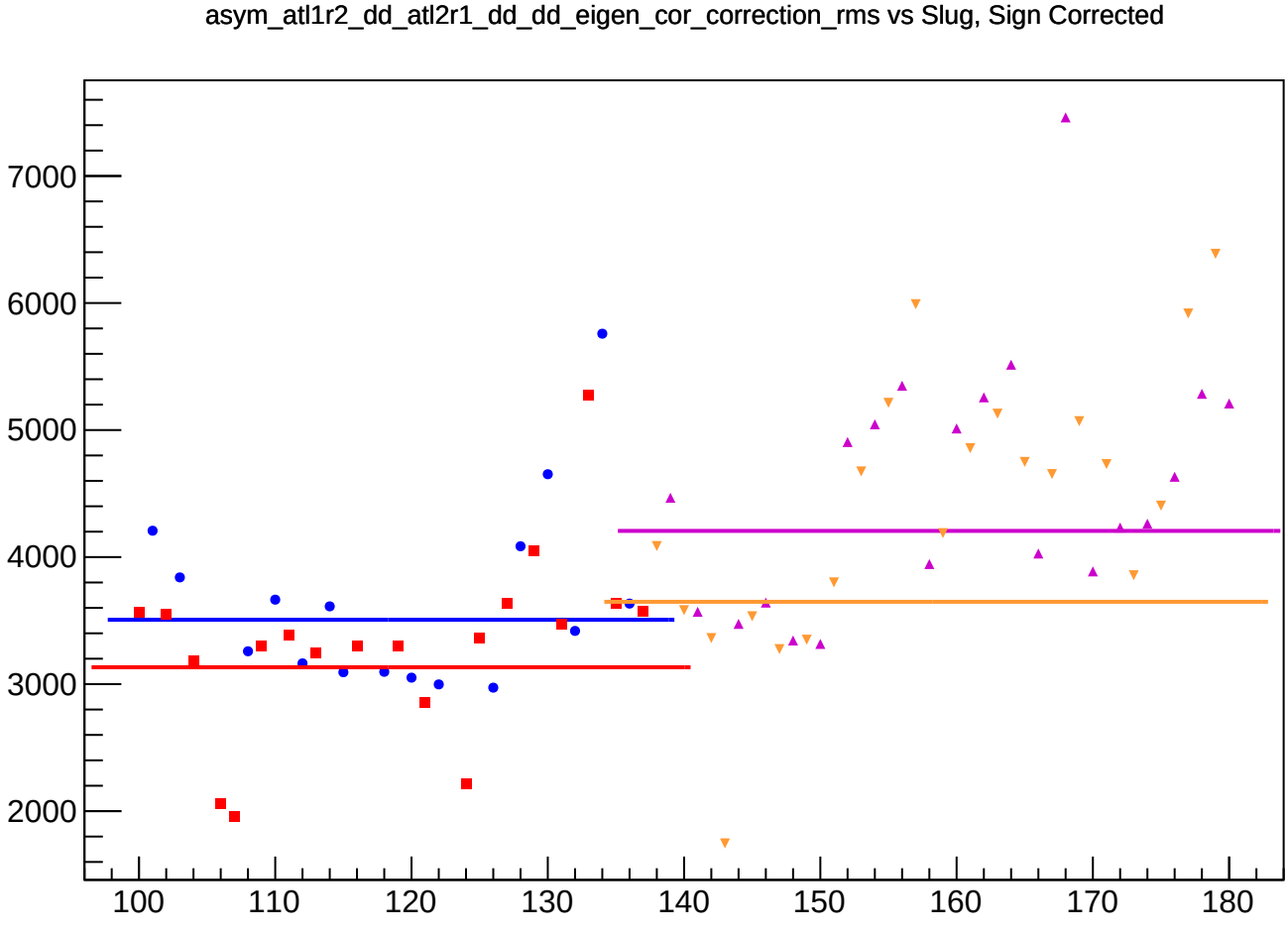
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1269.059+/-0.182 χ^2/NDF:551923.4/36

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1275.215+/-0.129 χ^2/NDF: 1061953.0/77


asym_atl1r2_dd_atl2r1_dd_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
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -222.990+/-1035.185 χ²/NDF:13.2/20
Left: -277.733+/-691.364 χ²/NDF: 39.3/42
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 201.218+/-815.701 χ²/NDF:27.8/36
Out: -90.812+/-730.631 χ²/NDF:44.9/40
All: 39.186+/-544.233 χ²/NDF: 72.7/77



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4206.169+/-0.732 χ^2/NDF:1248621.9/20

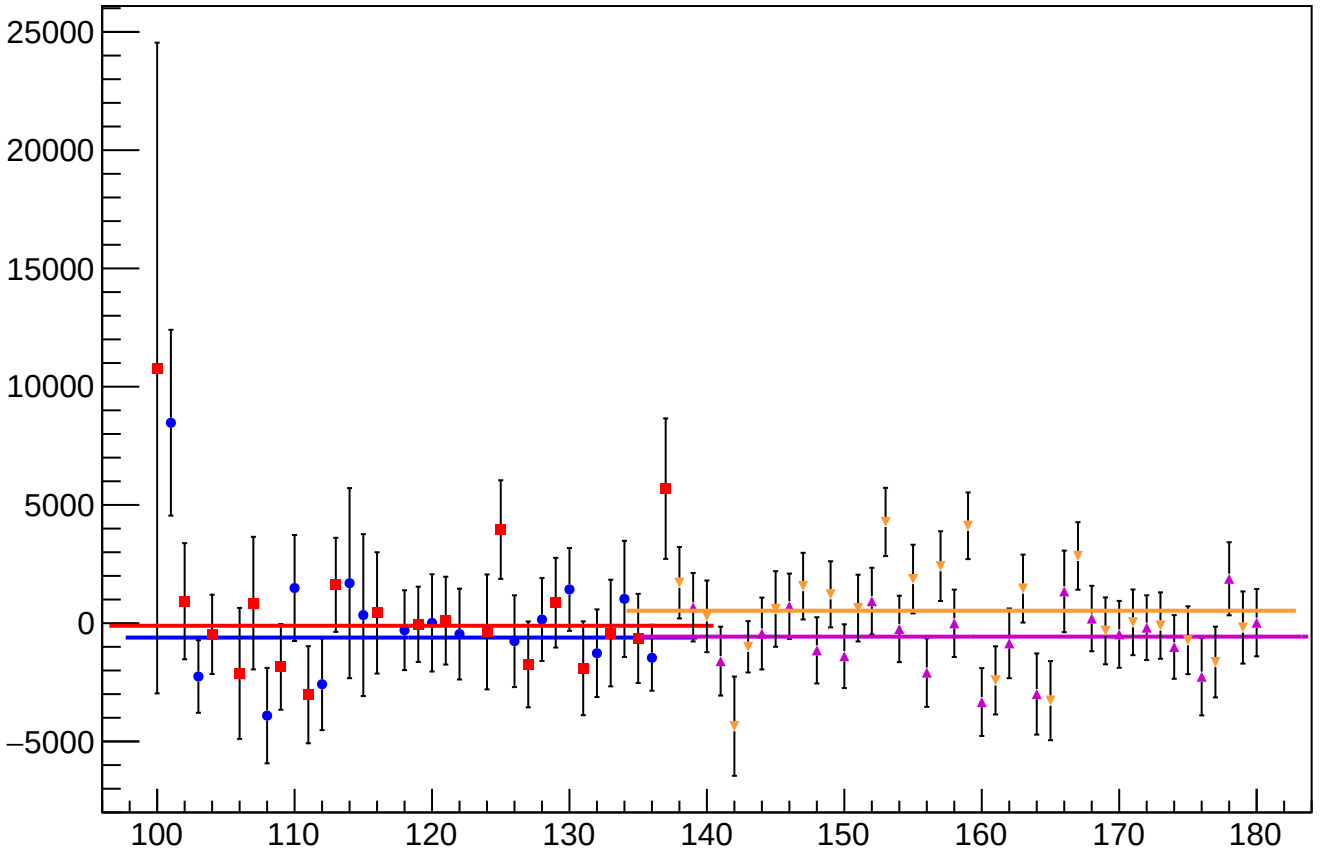
Left: 3896.991+/-0.489 χ^2/NDF: 5229336.3/42

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3940.923+/-0.577 χ^2/NDF:1948233.7/36

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3669.358+/-0.385 χ^2/NDF: 6890863.4/77



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -568.638+/-316.767 χ^2/NDF:16.3/20

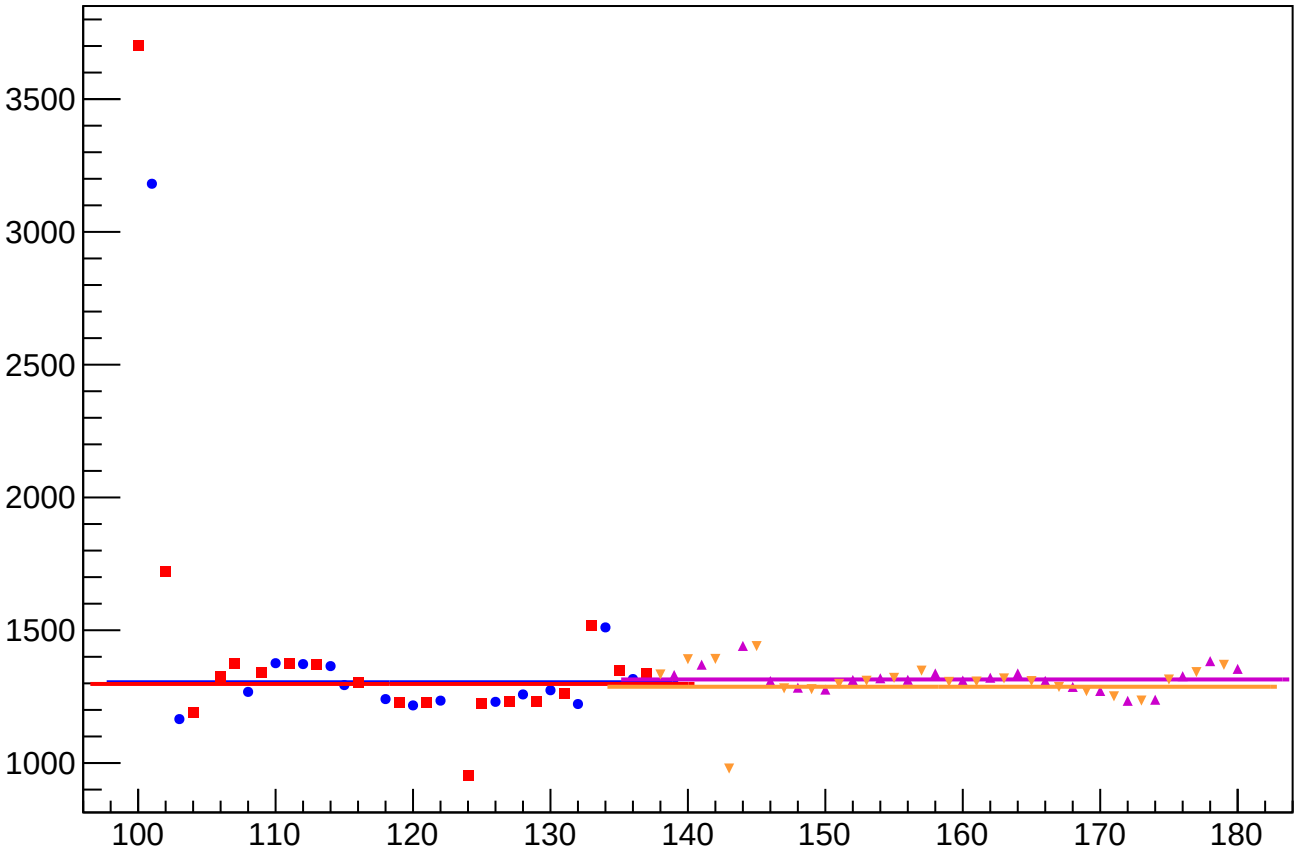
Left: -6.055+/-221.125 χ^2/NDF: 63.2/42

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -580.052+/-266.684 χ^2/NDF:30.4/36

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -106.762+/-186.379 χ^2/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1314.719+/-0.224 χ^2/NDF:42300.5/20

Left: 1300.622+/-0.156 χ^2/NDF: 266835.6/42

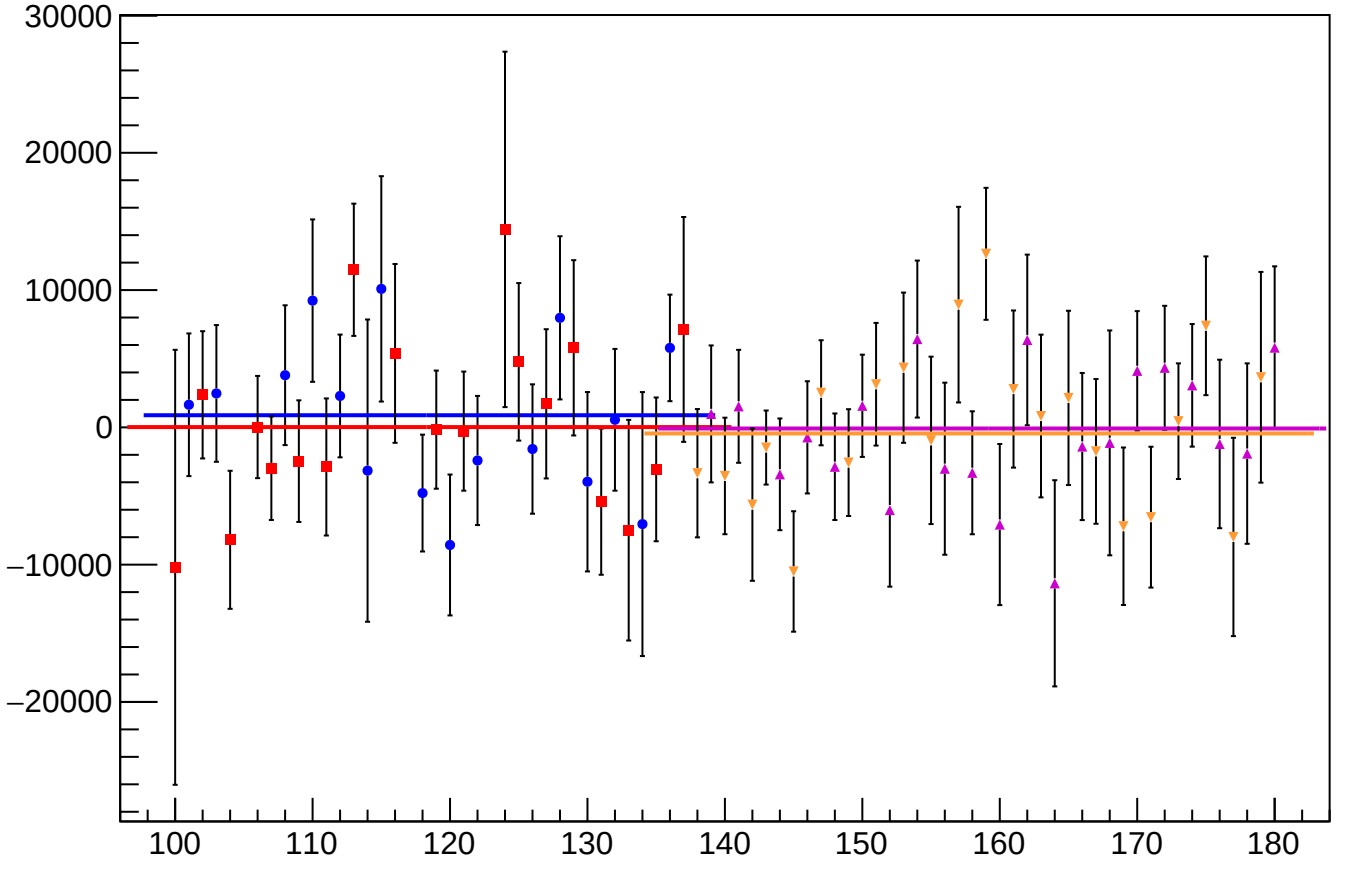
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1311.627+/-0.189 χ^2/NDF:553544.1/36

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1300.700+/-0.132 χ^2/NDF: 990688.6/77

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.423 χ^2/NDF:13.1/20

Left: -272.986+/-745.431 χ^2/NDF: 39.0/42

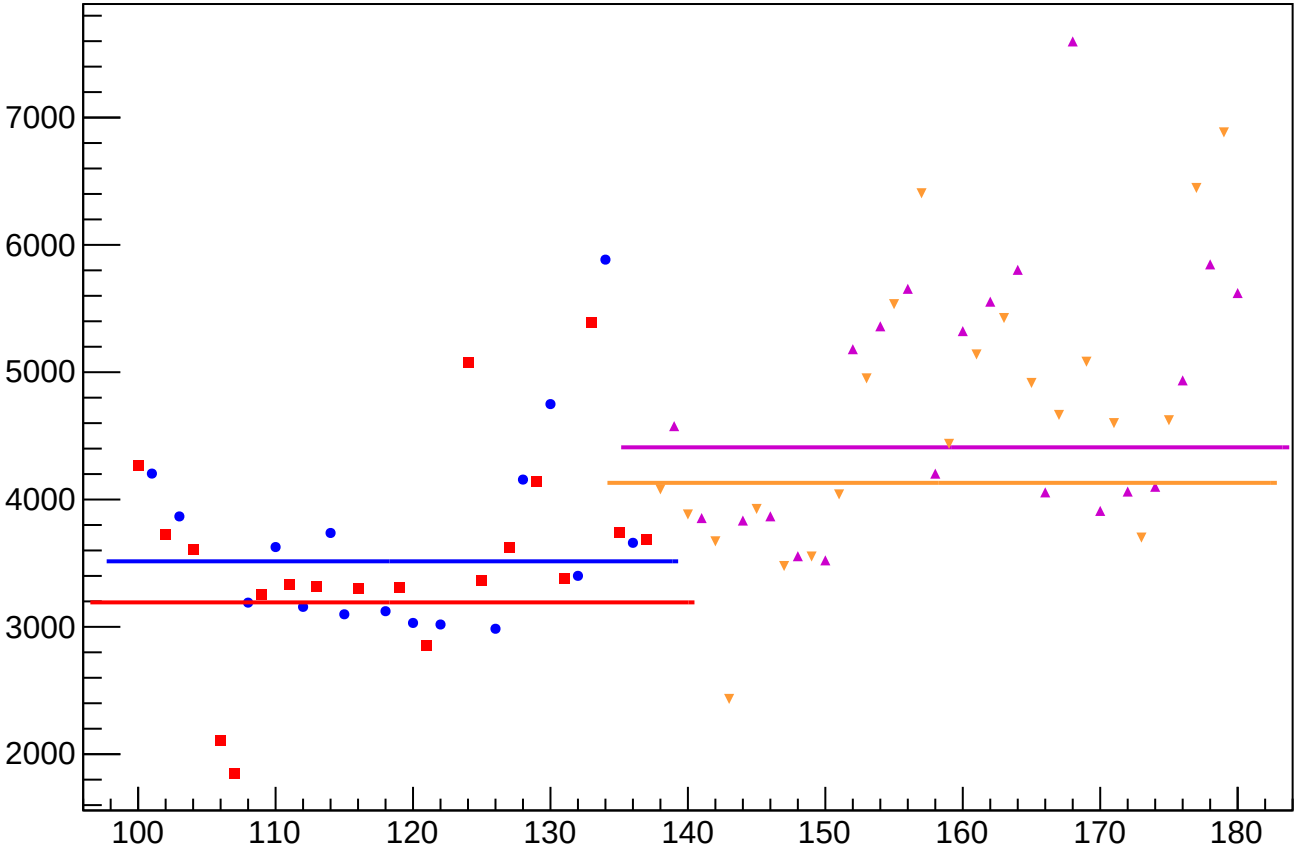
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 304.973+/-840.267 χ^2/NDF:27.5/36

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: 8.109+/-571.512 χ^2/NDF: 70.5/77

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4410.019+/-0.768 χ^2/NDF:1239942.6/20

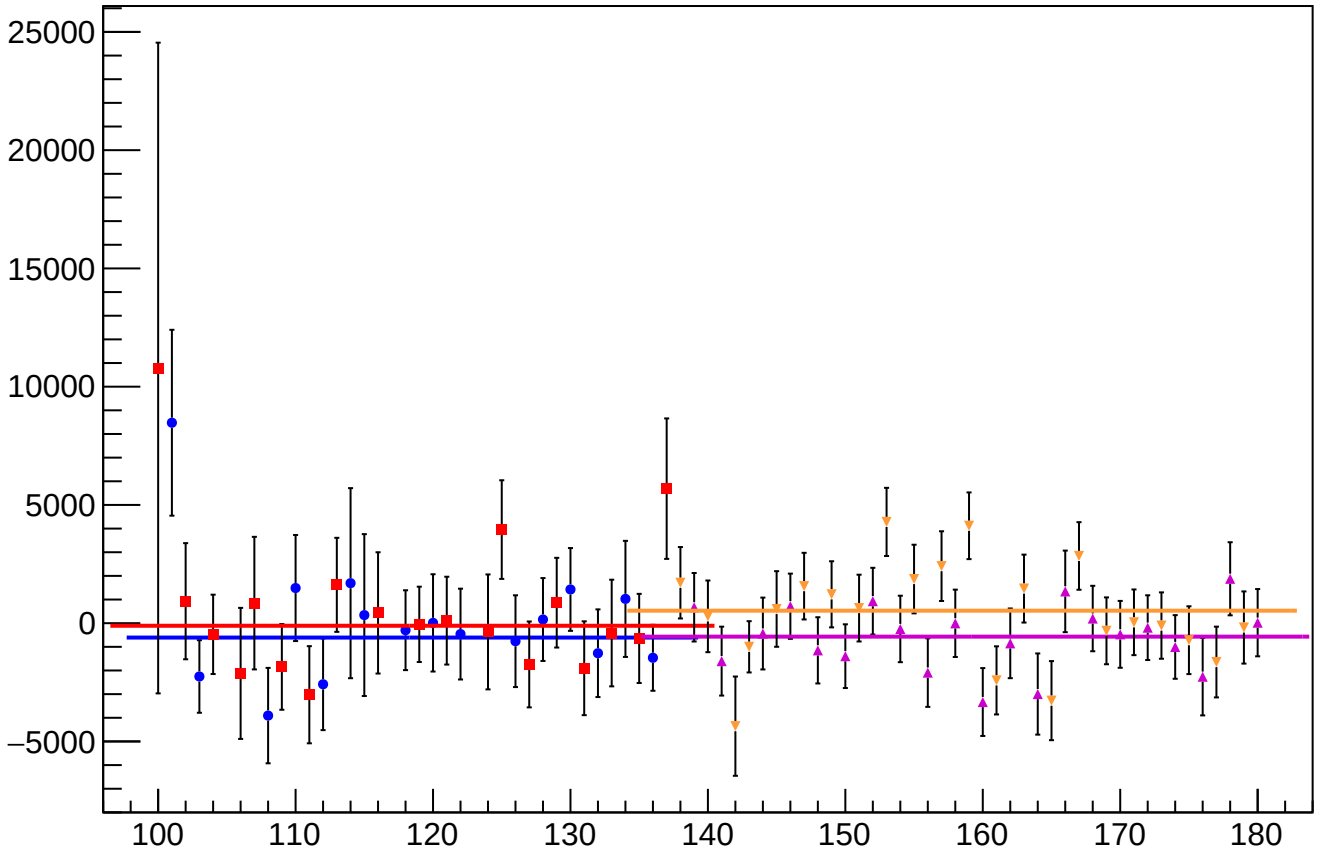
Left: 4262.626+/-0.527 χ^2/NDF: 3375597.3/42

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4051.273+/-0.594 χ^2/NDF:2160245.0/36

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3881.198+/-0.404 χ^2/NDF: 5858555.1/77



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -568.639+/-316.768 χ^2/NDF:16.3/20

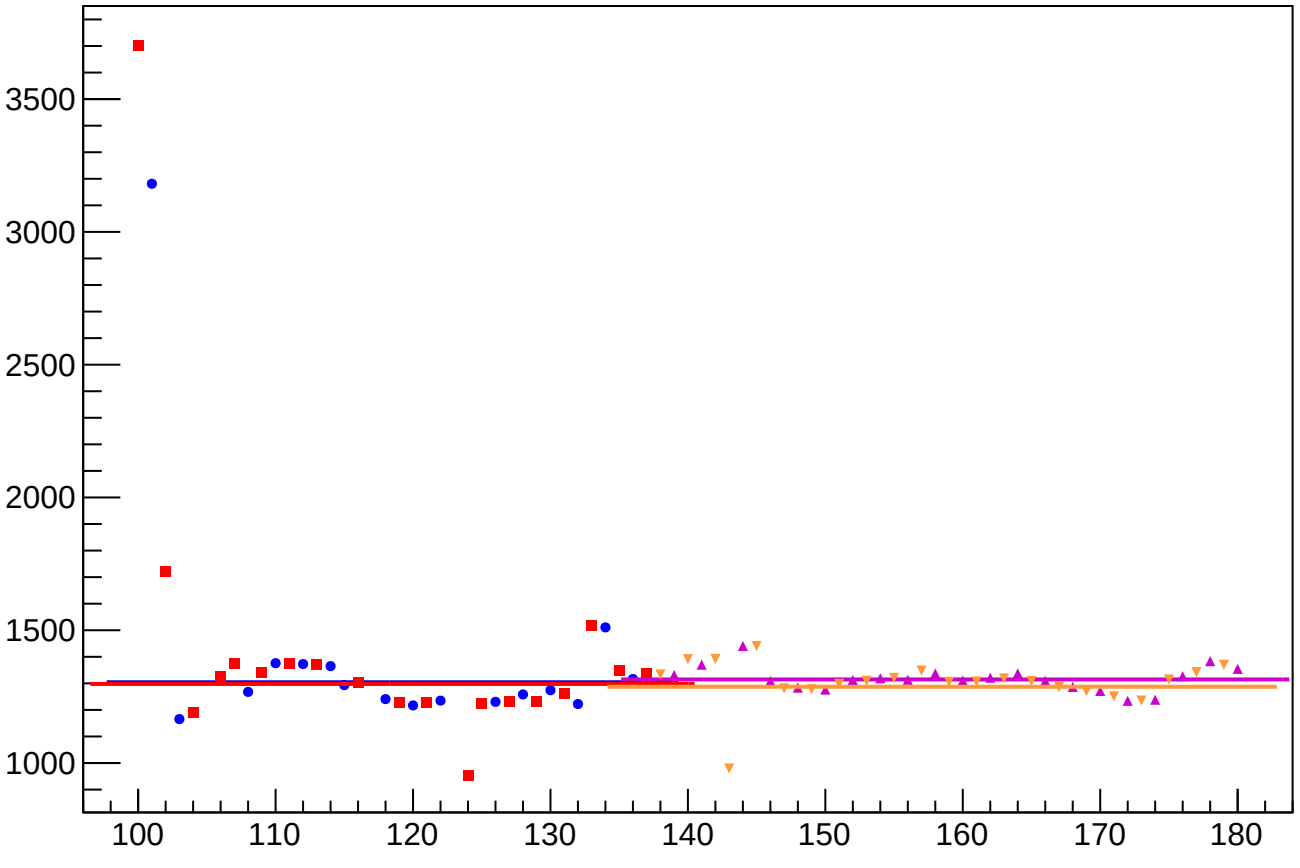
Left: -6.054+/-221.125 χ^2/NDF: 63.2/42

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -580.053+/-266.684 χ^2/NDF:30.4/36

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -106.763+/-186.379 χ^2/NDF: 93.5/77



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1314.720+/-0.224 χ^2/NDF:42302.6/20

Left: 1300.623+/-0.156 χ^2/NDF: 266840.4/42

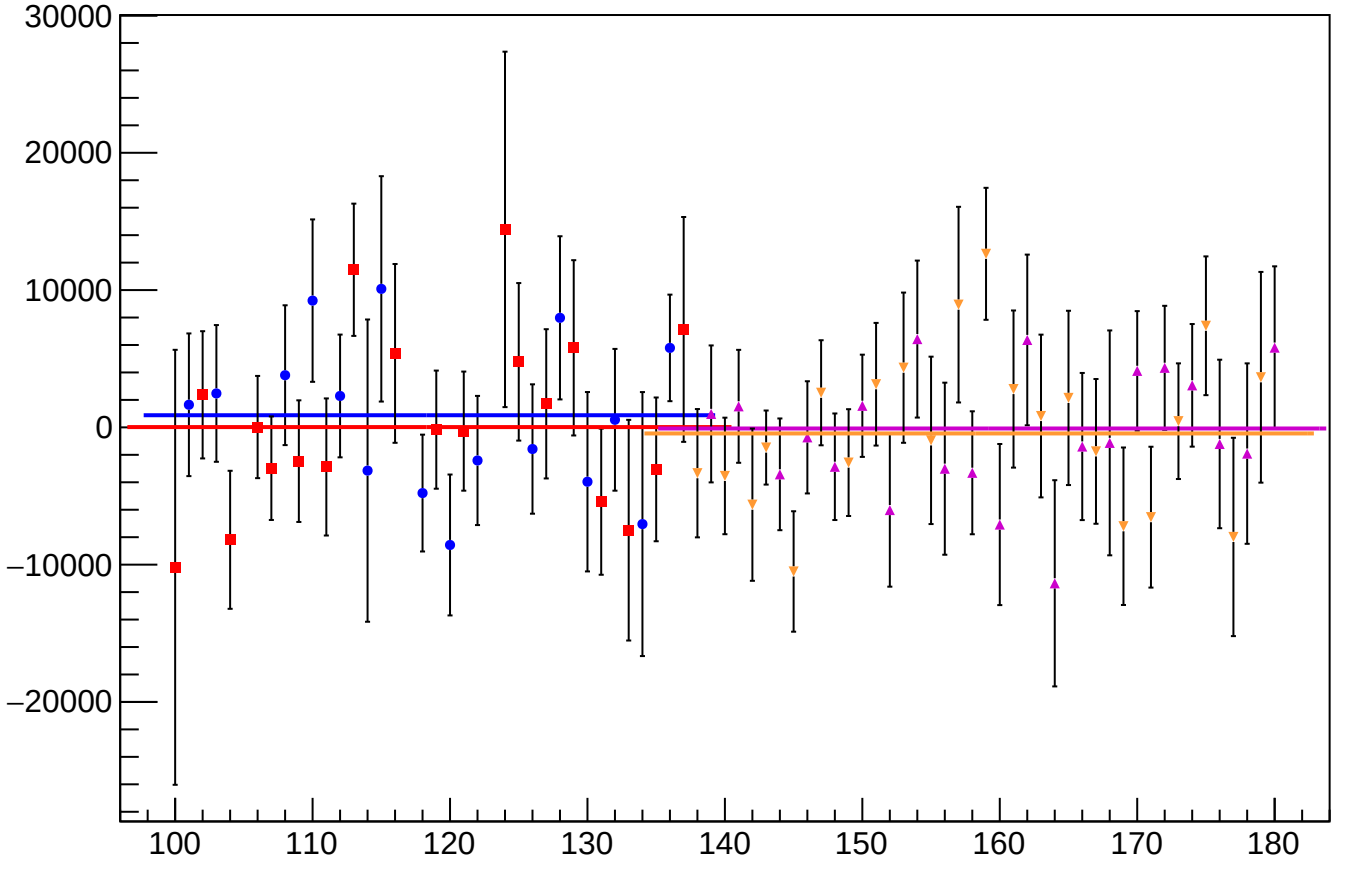
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1311.628+/-0.189 χ^2/NDF:553546.6/36

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1300.701+/-0.132 χ^2/NDF: 990693.7/77

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: -443.268+/-1025.525 χ^2/NDF:25.9/21

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -82.228+/-1085.424 χ^2/NDF:13.1/20

Left: -272.984+/-745.432 χ^2/NDF: 39.0/42

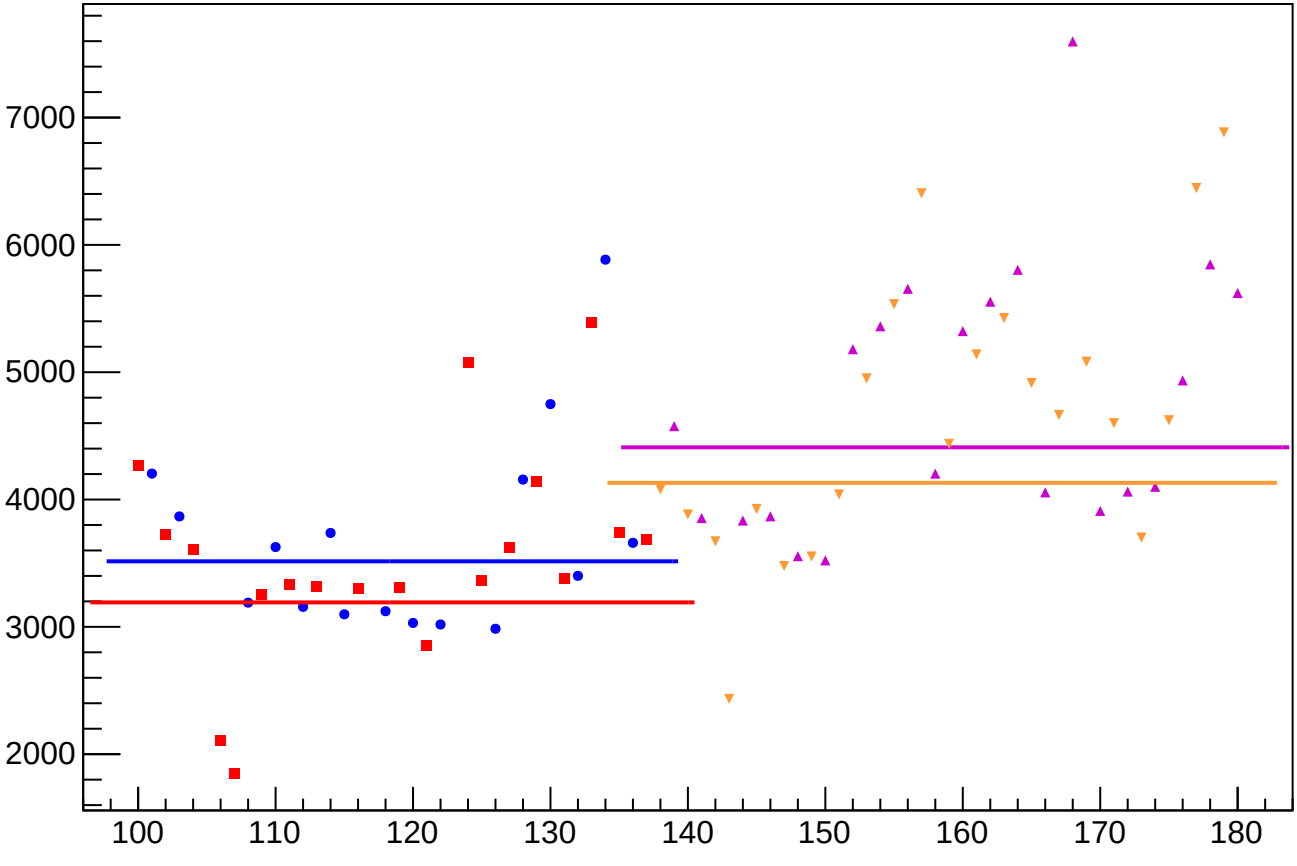
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 304.971+/-840.267 χ^2/NDF:27.5/36

Out: -247.447+/-779.617 χ^2/NDF:42.8/40

All: 8.108+/-571.512 χ^2/NDF: 70.5/77

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: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4410.026+/-0.768 χ^2/NDF:1239946.7/20

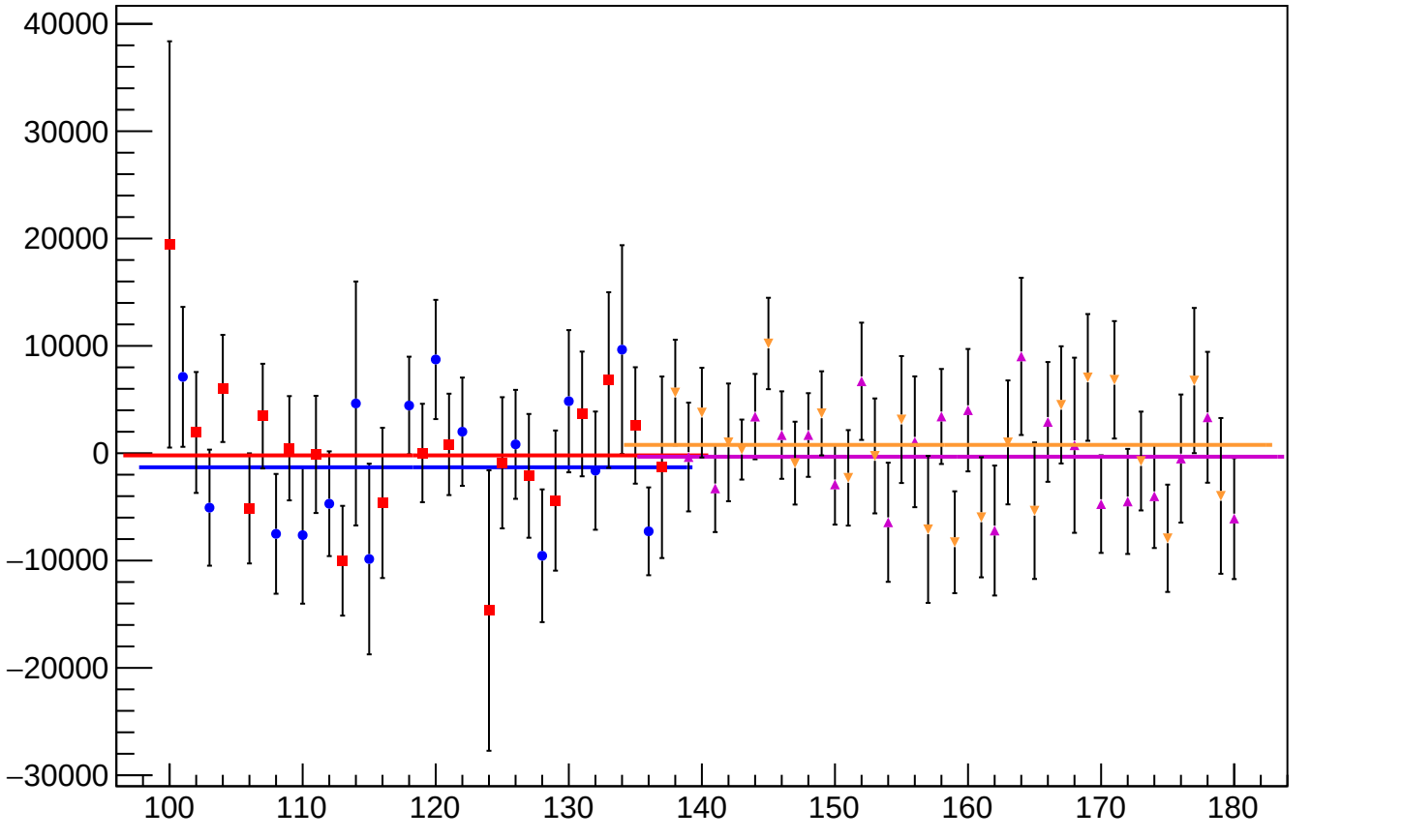
Left: 4262.633+/-0.527 χ^2/NDF: 3375604.3/42

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4051.272+/-0.594 χ^2/NDF:2160273.6/36

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3881.196+/-0.404 χ^2/NDF: 5858611.7/77



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -324.975+/-1086.468 χ^2/NDF:13.5/20

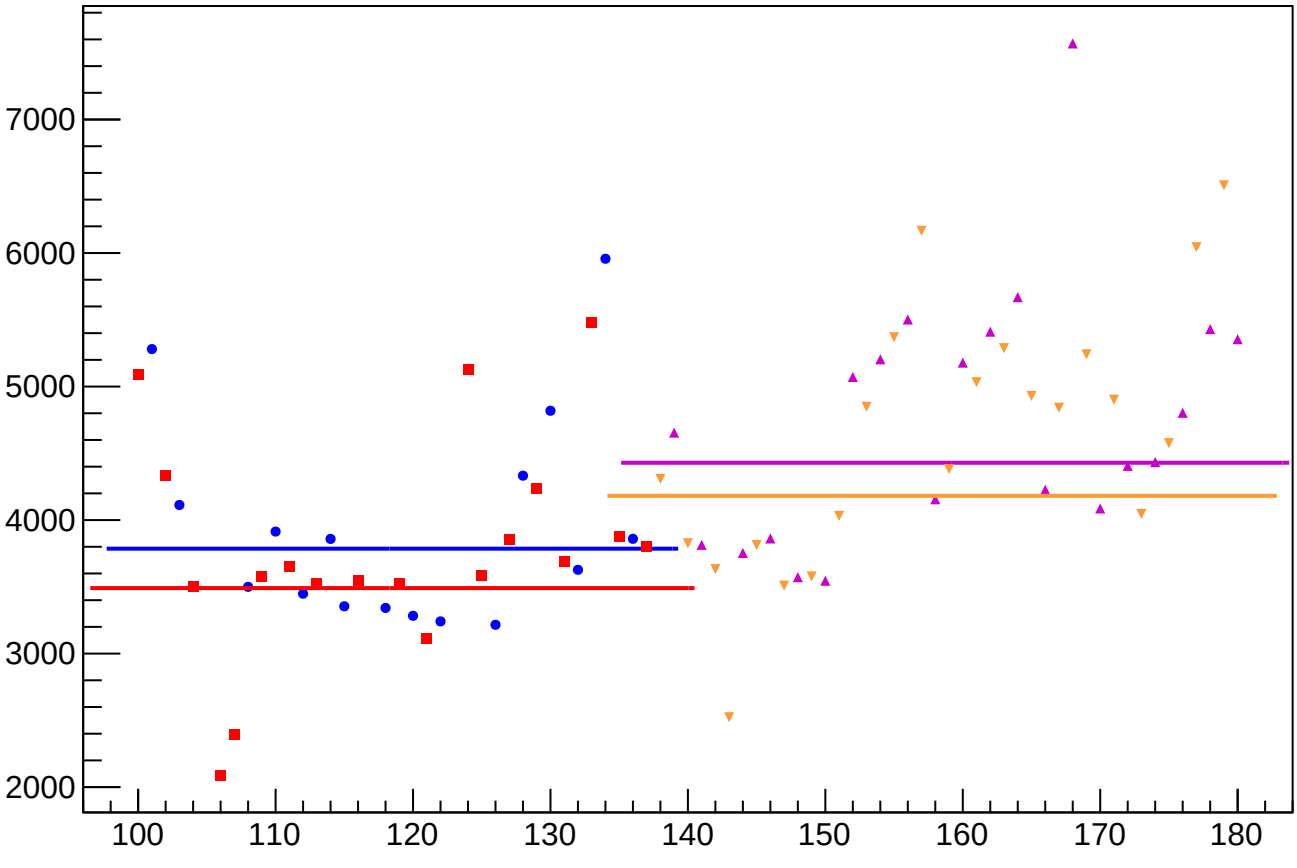
Left: 253.433+/-748.557 χ^2/NDF: 36.5/42

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -684.722+/-865.461 χ^2/NDF:31.4/36

Out: 410.407+/-817.128 χ^2/NDF:34.4/40

All: -105.726+/-594.149 χ^2/NDF: 66.7/77



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4429.354+/-0.768 χ^2/NDF:1060790.8/20

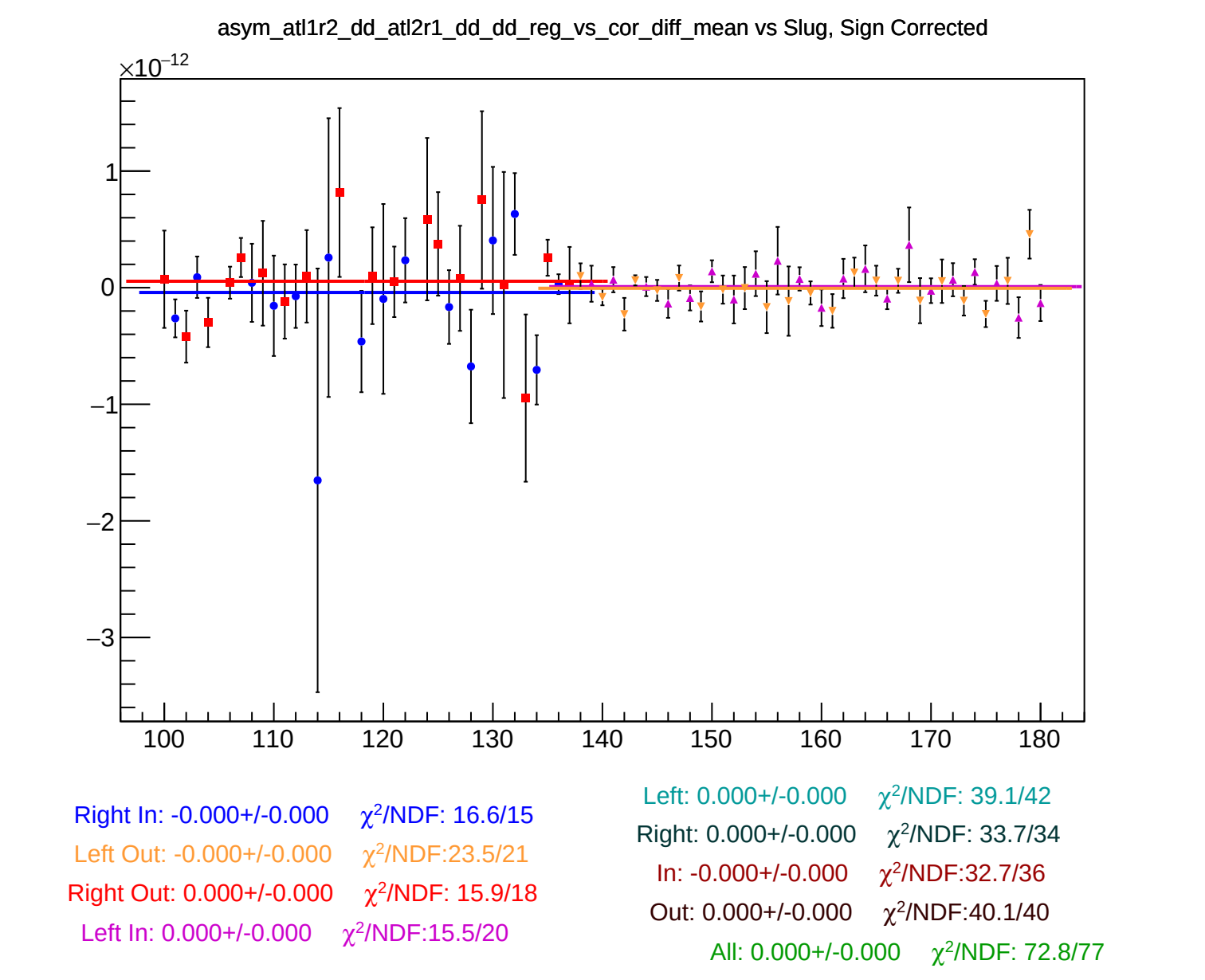
Left: 4299.214+/-0.529 χ^2/NDF: 2910990.3/42

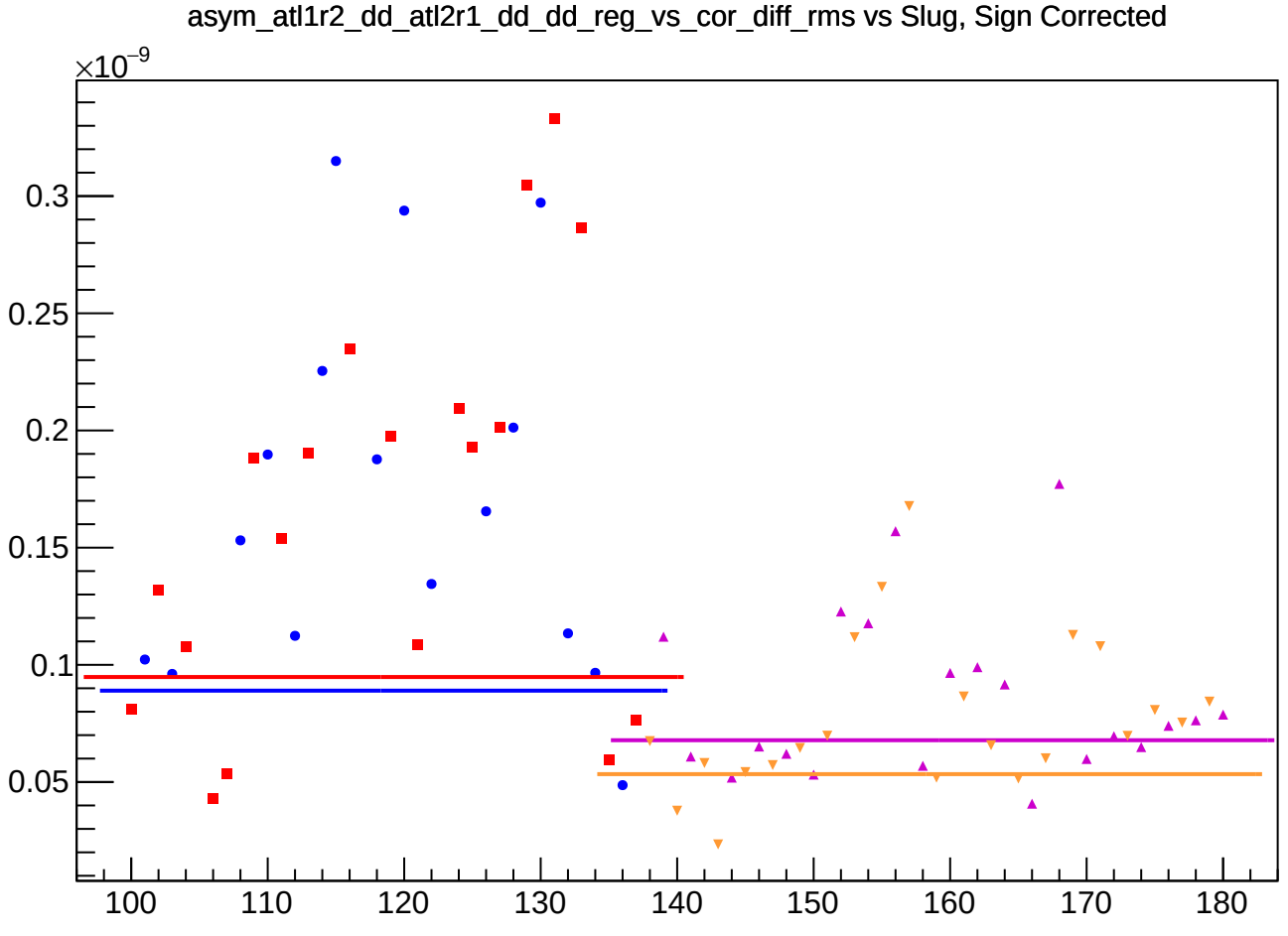
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4194.150+/-0.612 χ^2/NDF:1700257.4/36

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4047.803+/-0.419 χ^2/NDF: 4530828.4/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:15.5/20
Left: 0.000+/-0.000 χ²/NDF: 39.1/42
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:32.7/36
Out: 0.000+/-0.000 χ²/NDF:40.1/40
All: 0.000+/-0.000 χ²/NDF: 72.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1395768.7/20

Left: 0.000+/-0.000 χ^2/NDF: 4304481.4/42

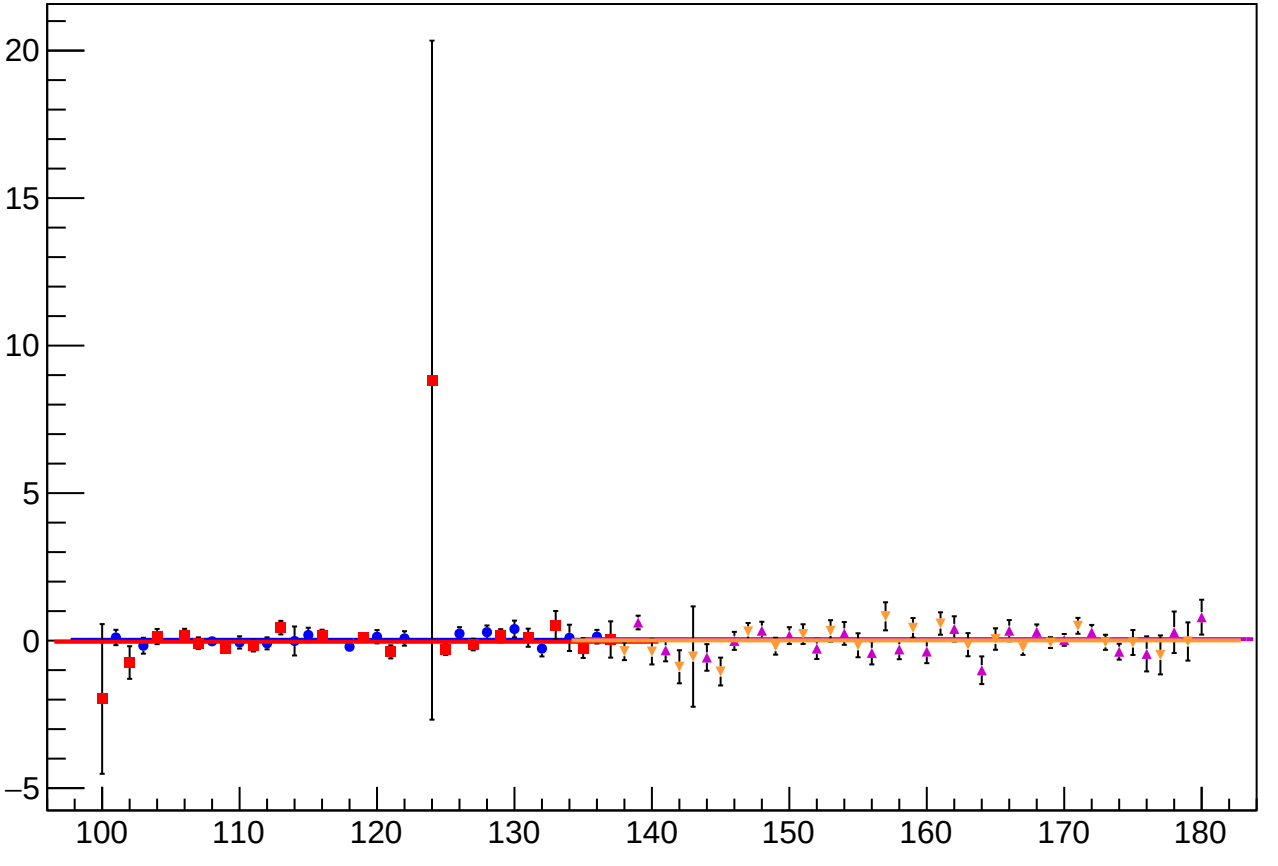
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3066247.0/36

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8463792.9/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

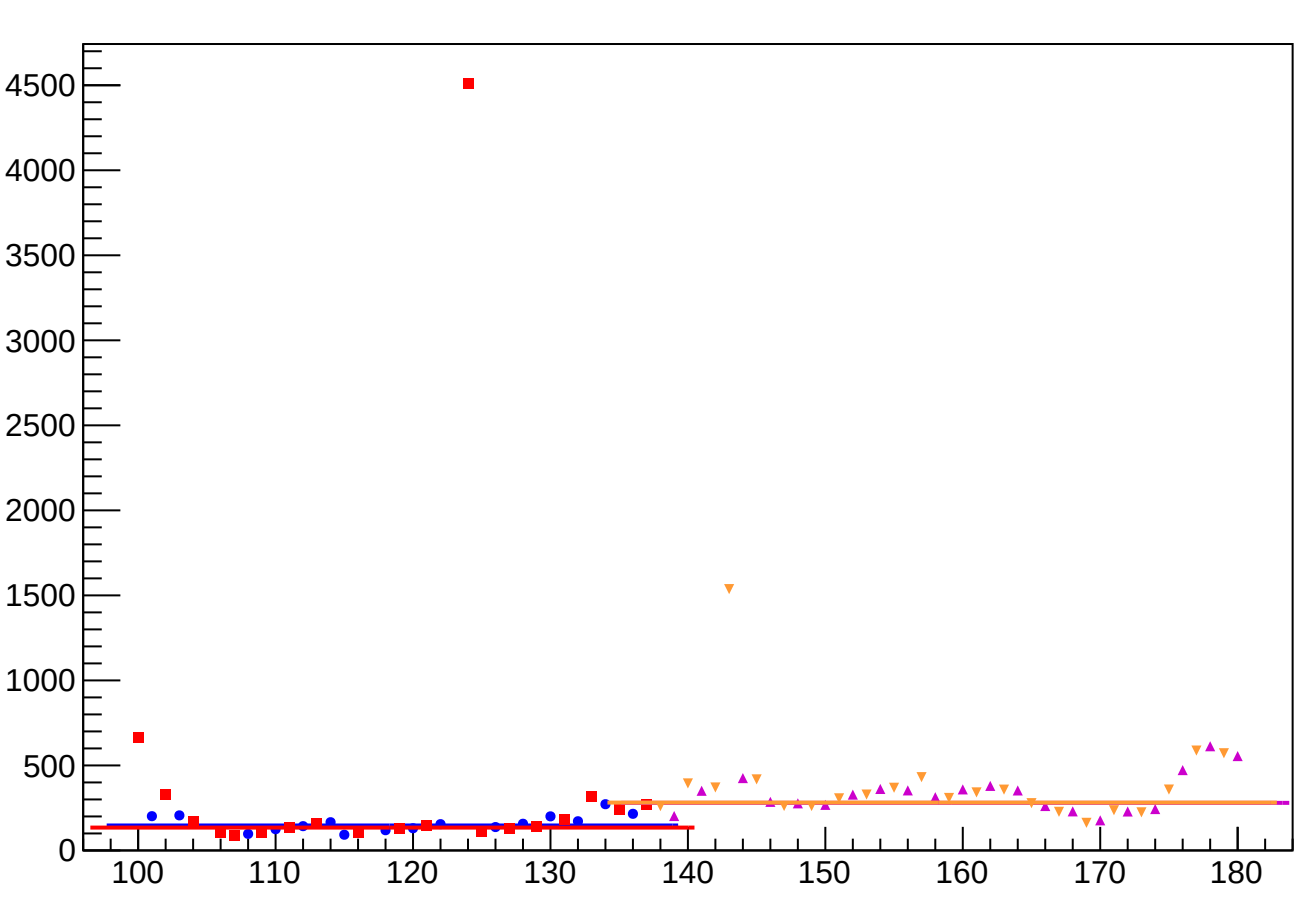
Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

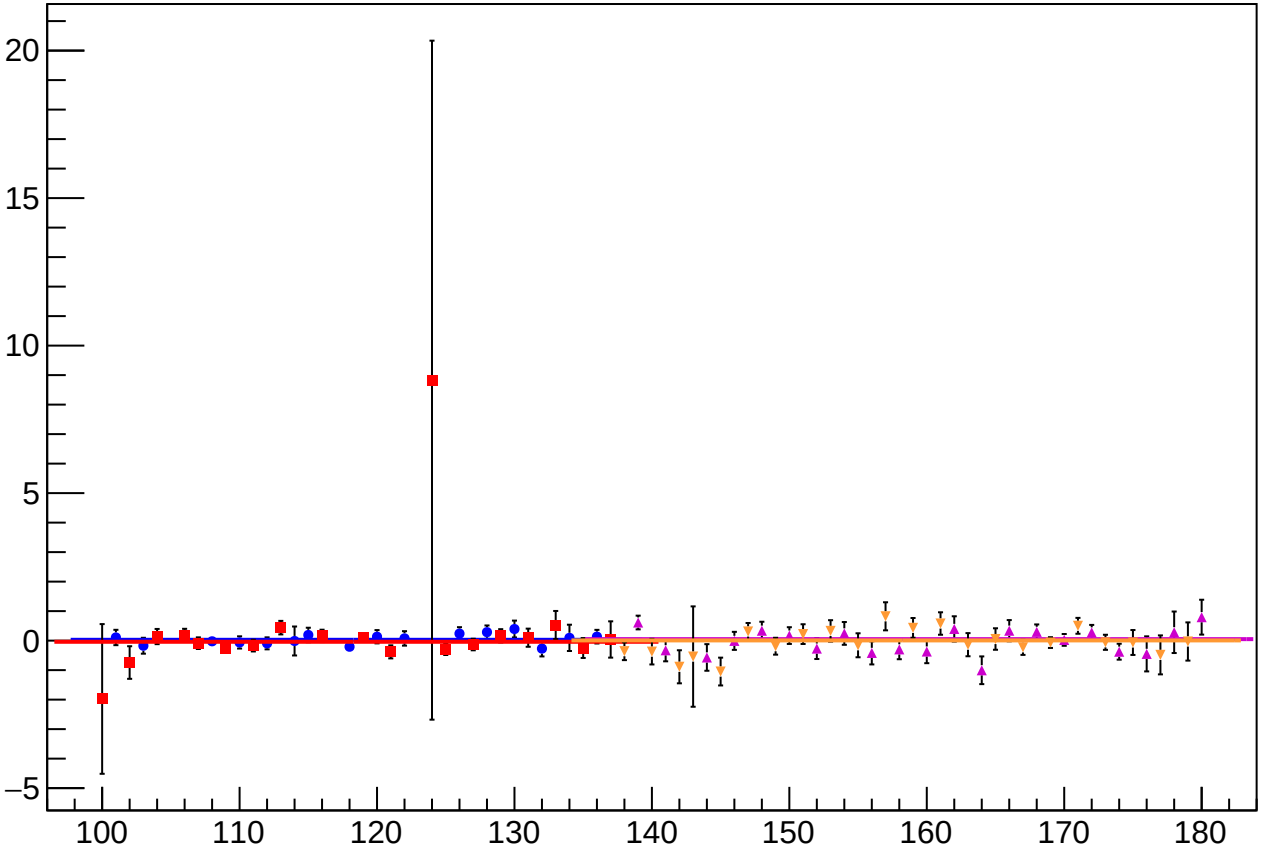
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

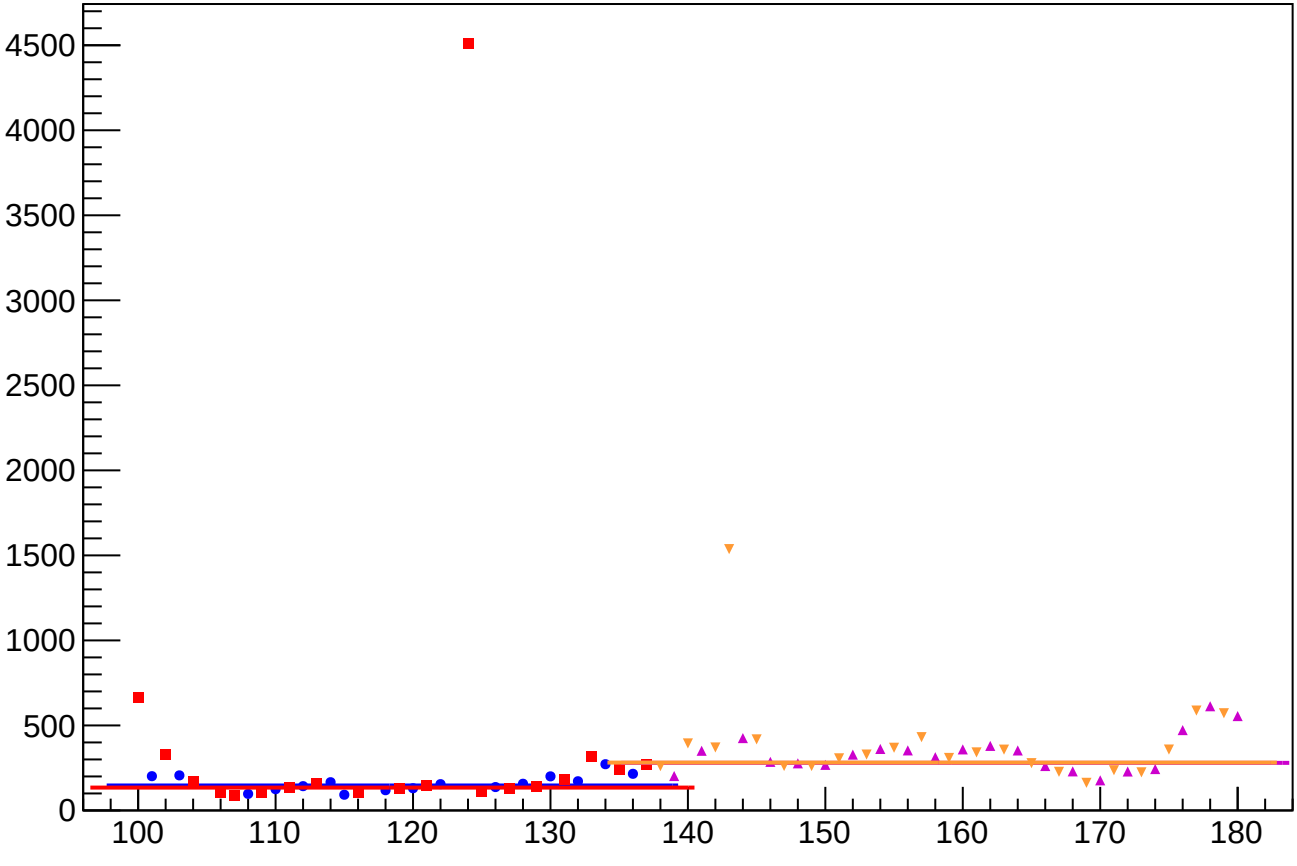
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 279.868+/-0.050 χ^2/NDF:2781571.7/20

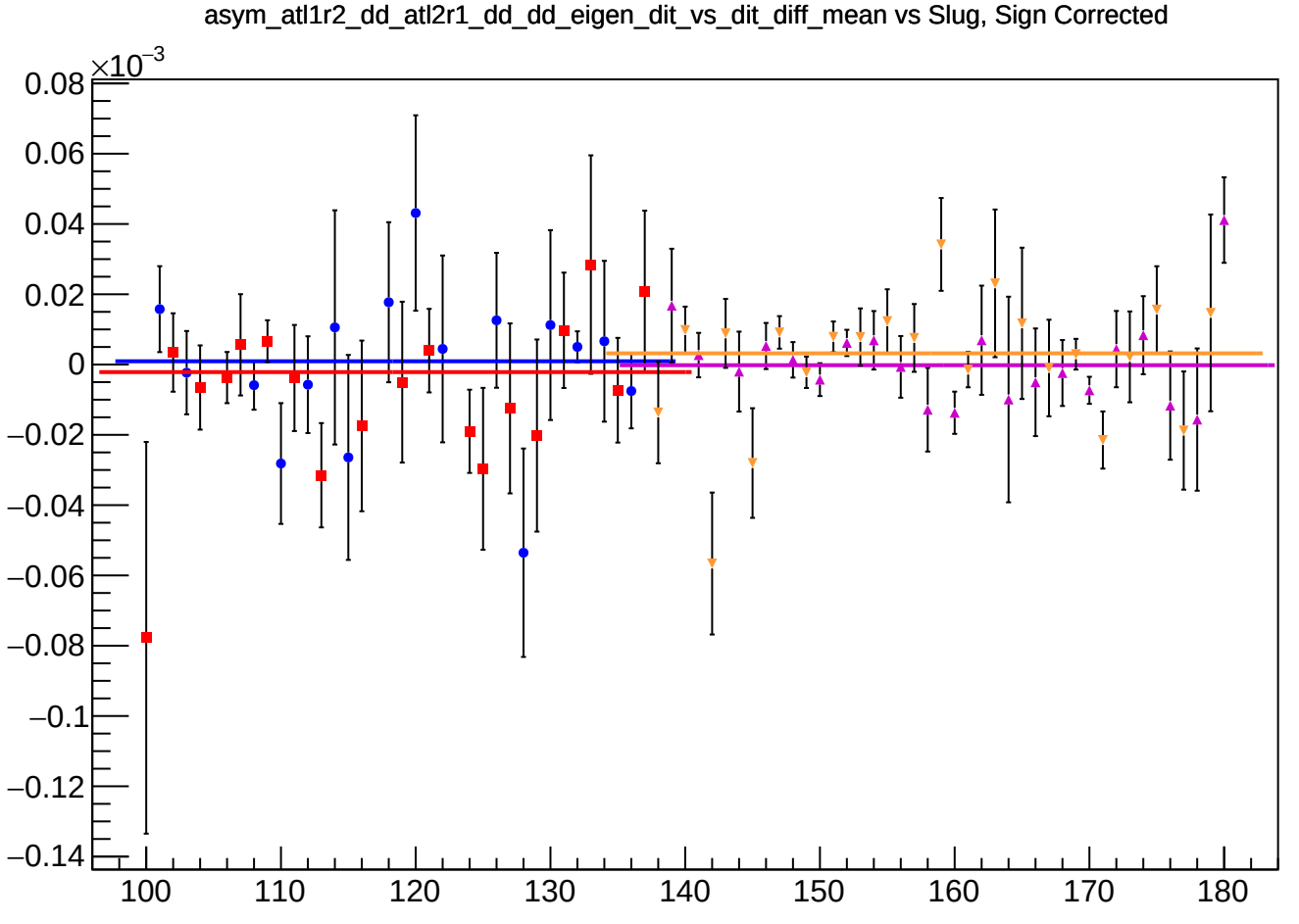
Left: 280.692+/-0.036 χ^2/NDF: 6725086.4/42

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

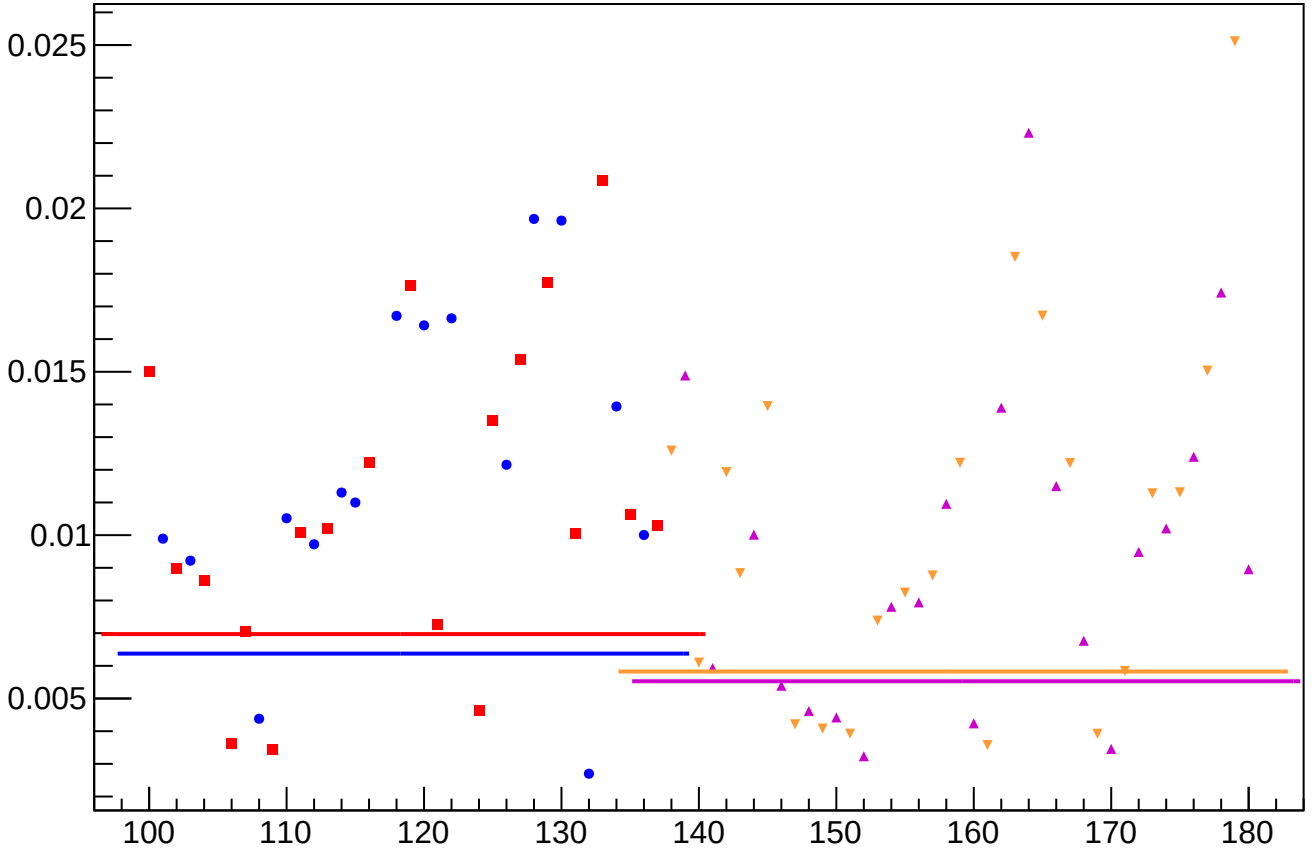
In: 199.450+/-0.032 χ^2/NDF:7985407.1/36

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 193.546+/-0.022 χ^2/NDF: 18839275.9/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:30.1/20
Left: 0.000+/-0.000 χ²/NDF: 73.1/42
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:45.0/36
Out: 0.000+/-0.000 χ²/NDF:59.4/40
All: 0.000+/-0.000 χ²/NDF: 105.3/77

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:6756812.9/20

Left: 0.006+/-0.000 χ^2/NDF: 14696609.6/42

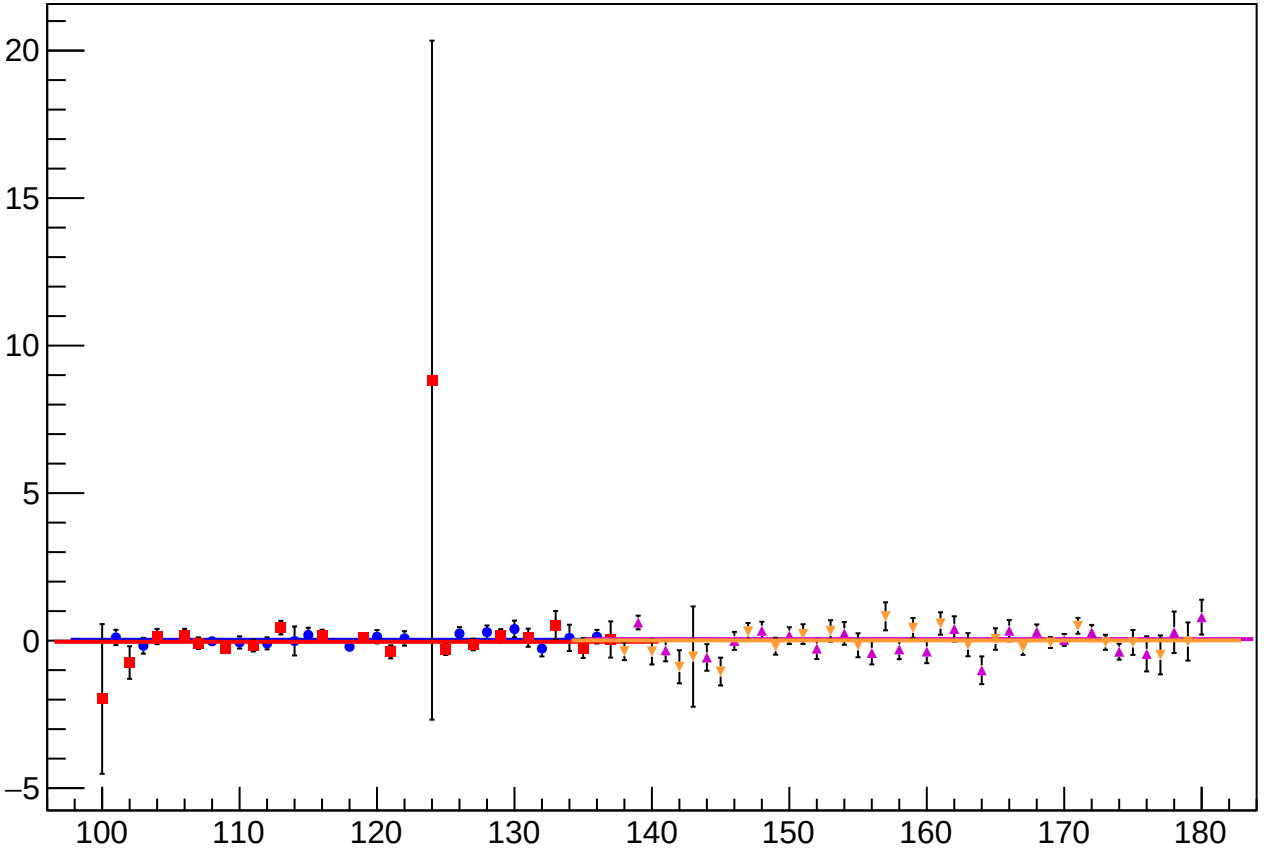
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11525805.5/36

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23131495.4/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

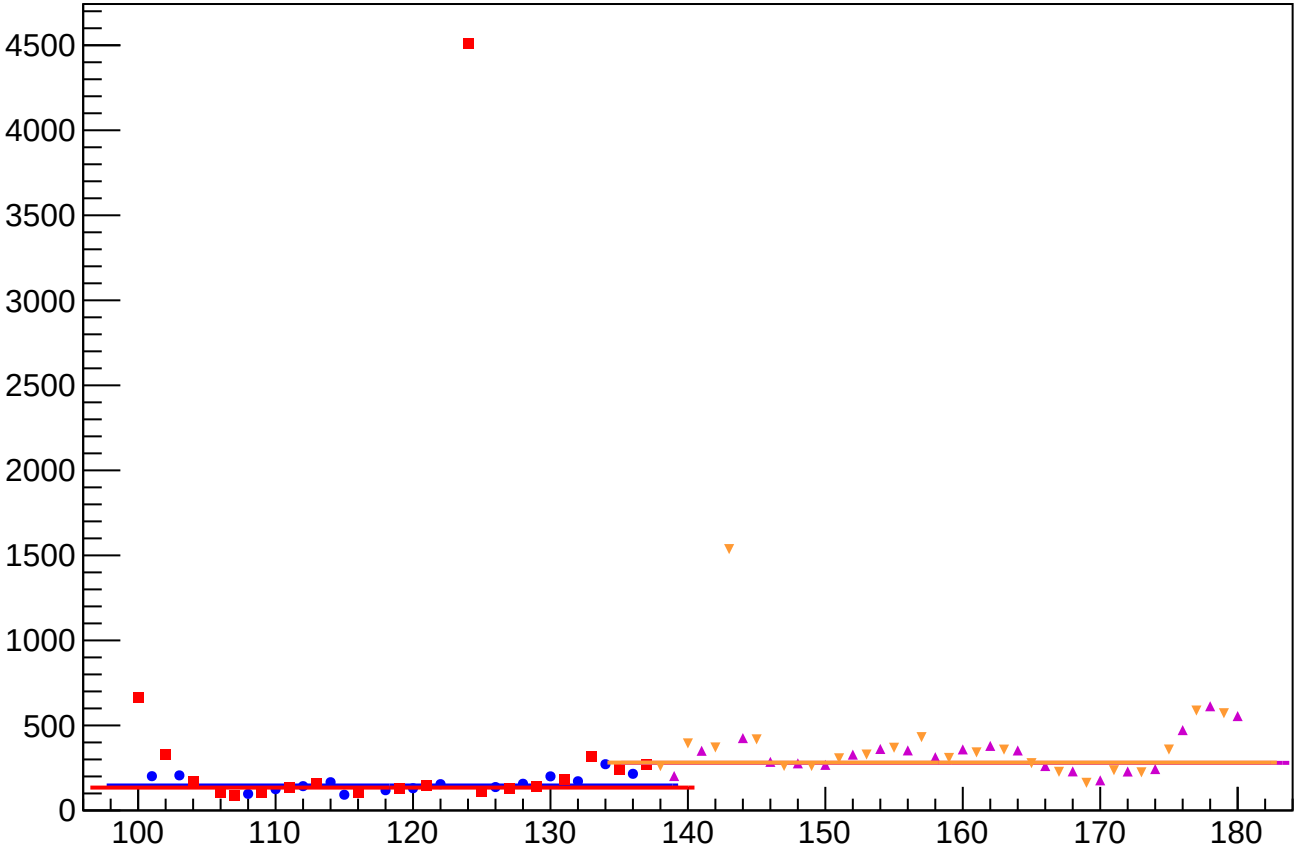
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

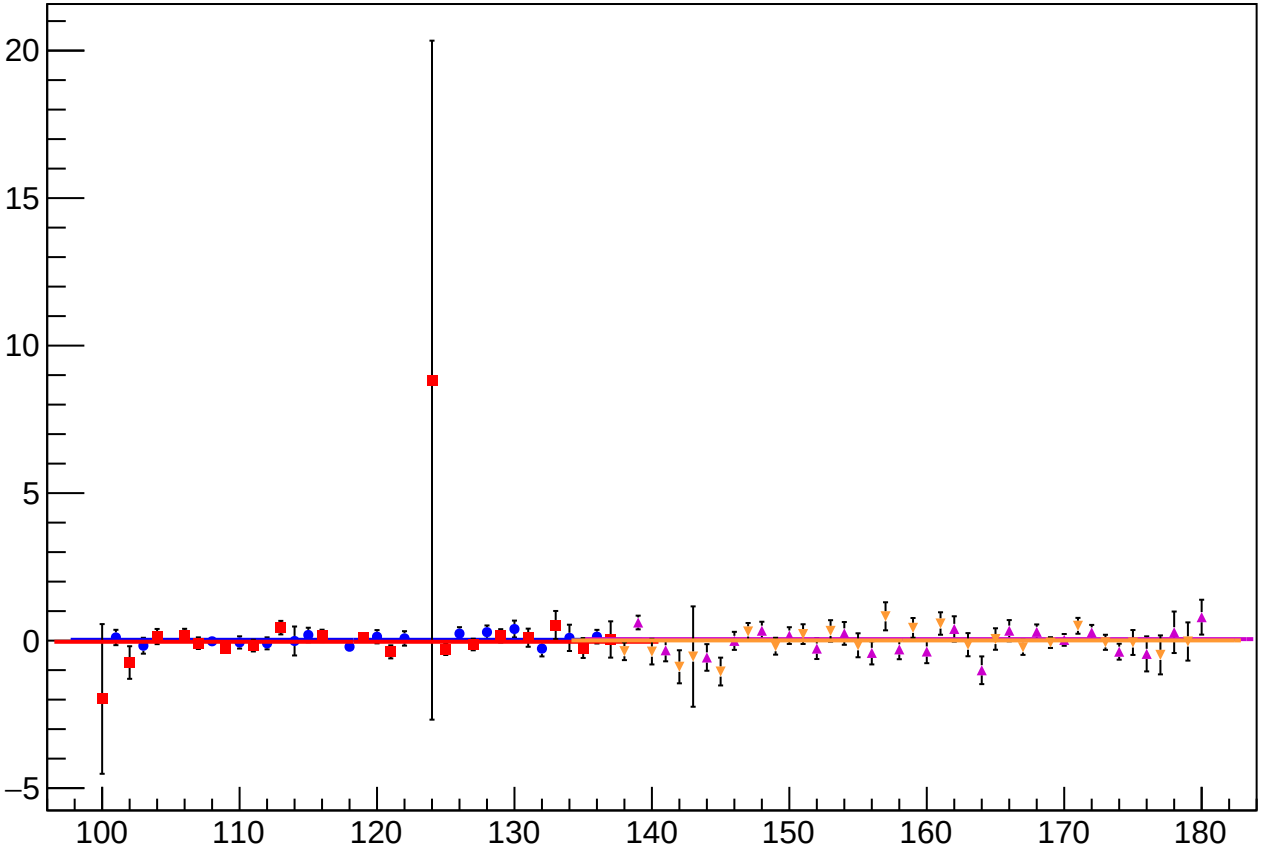
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77

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: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.051+/-0.071 χ^2/NDF:27.6/20

Left: 0.029+/-0.051 χ^2/NDF: 52.6/42

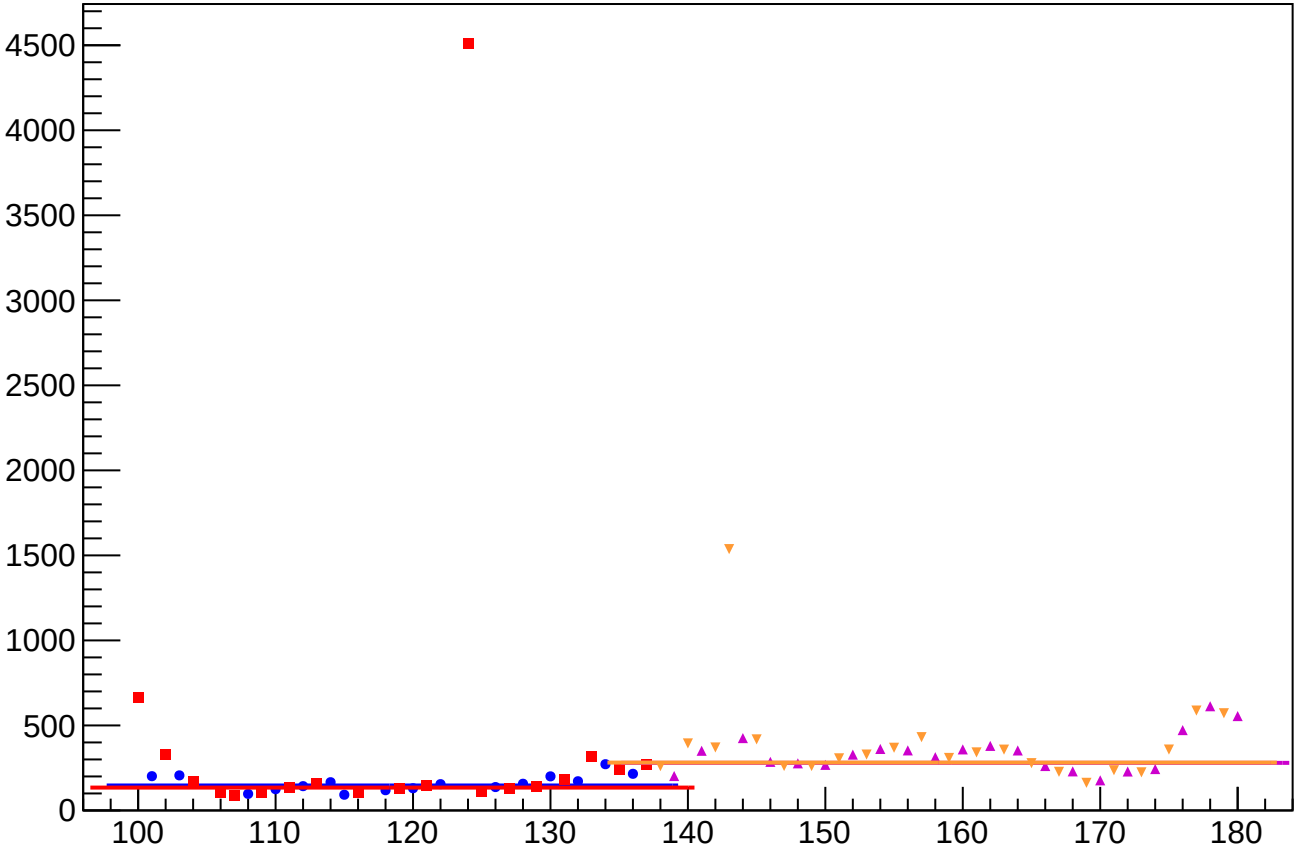
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.037+/-0.045 χ^2/NDF:37.1/36

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.007+/-0.031 χ^2/NDF: 83.1/77

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: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 279.870+/-0.050 χ^2/NDF:2781676.9/20

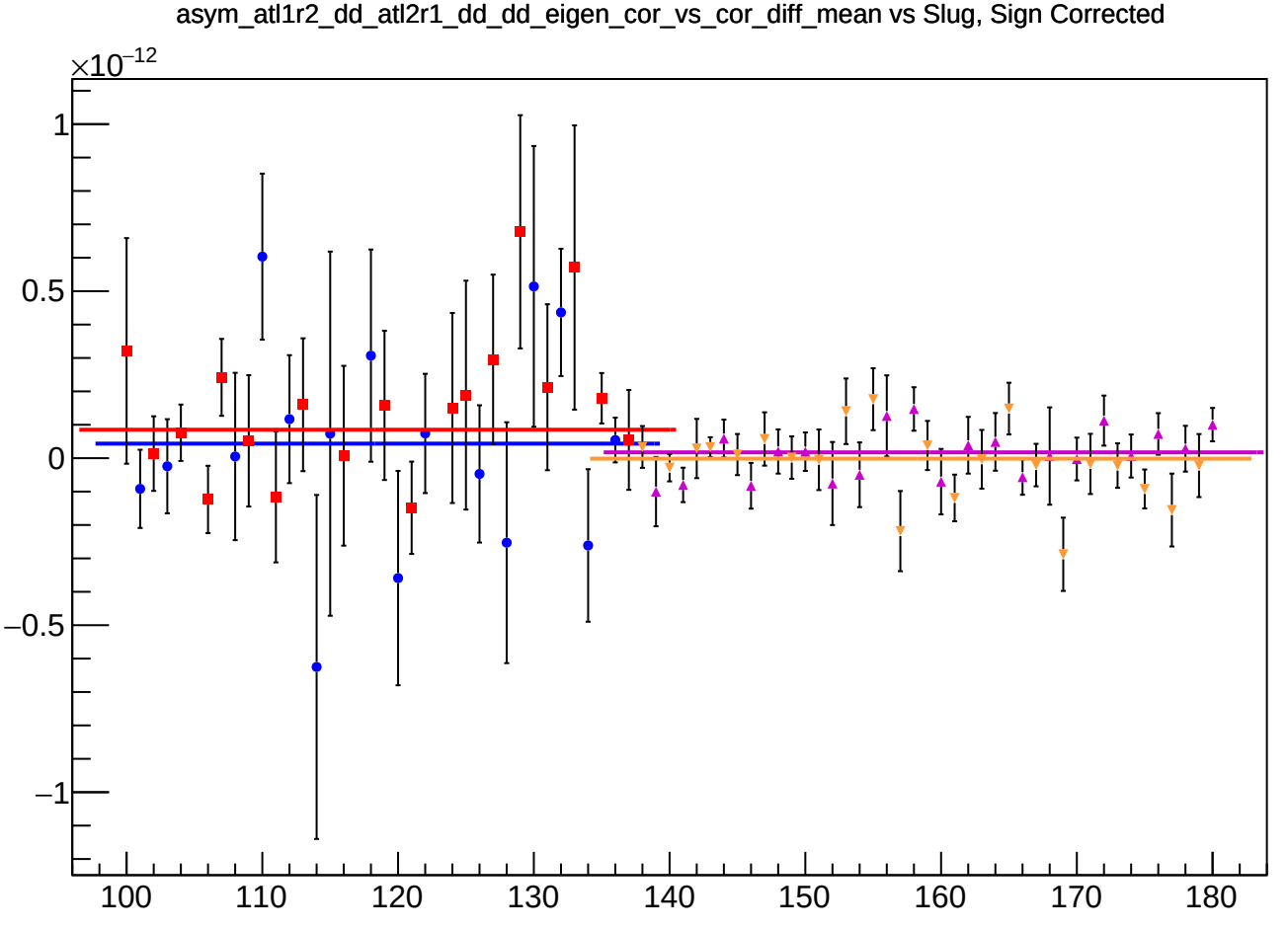
Left: 280.693+/-0.036 χ^2/NDF: 6725371.7/42

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 199.450+/-0.032 χ^2/NDF:7985522.4/36

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 193.547+/-0.022 χ^2/NDF: 18839353.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/20

Left: 0.000+/-0.000 χ^2/NDF: 52.7/42

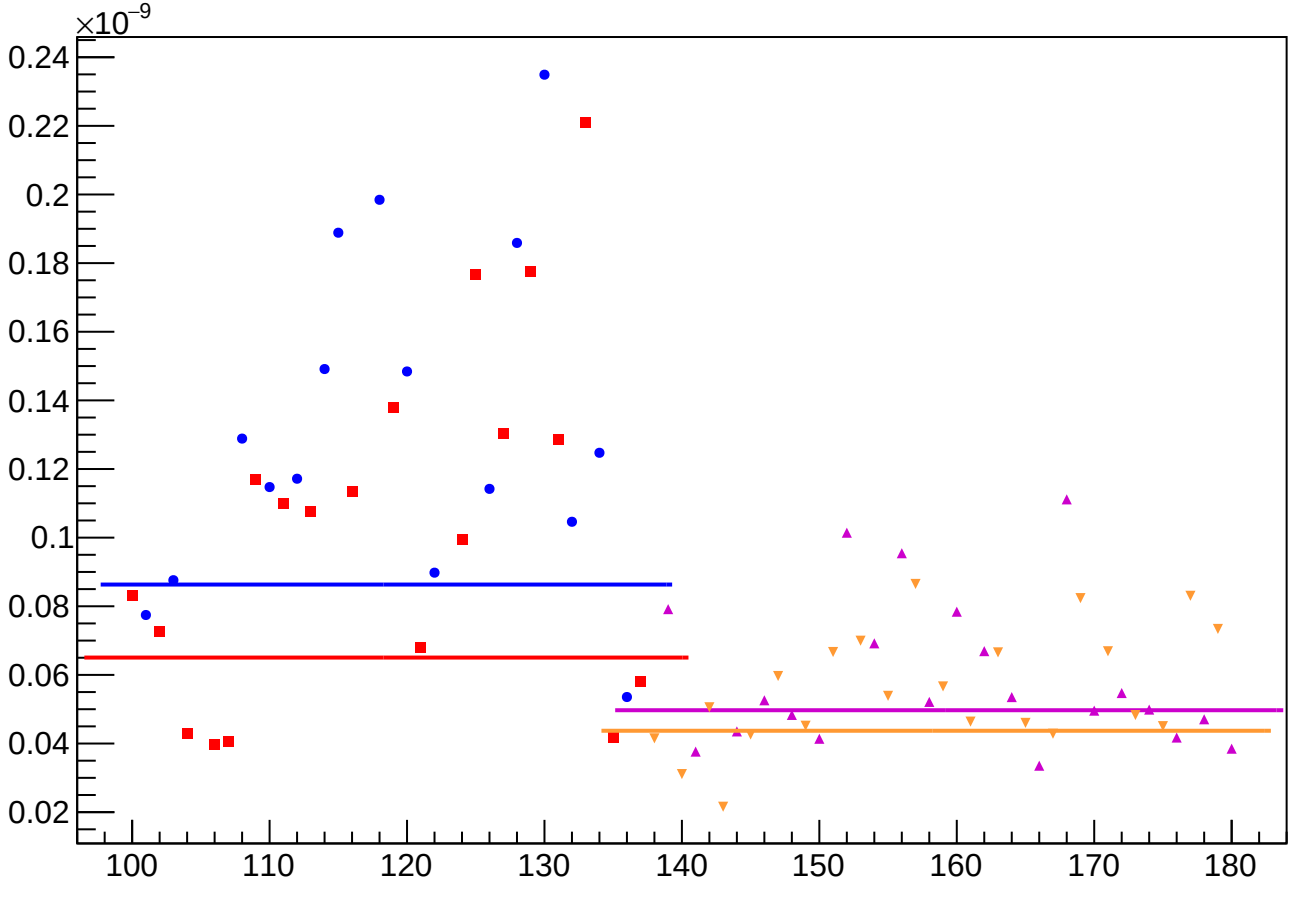
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:40.9/36

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 95.1/77

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:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1999591.8/20

Left: 0.000+/-0.000 χ^2/NDF: 5167505.2/42

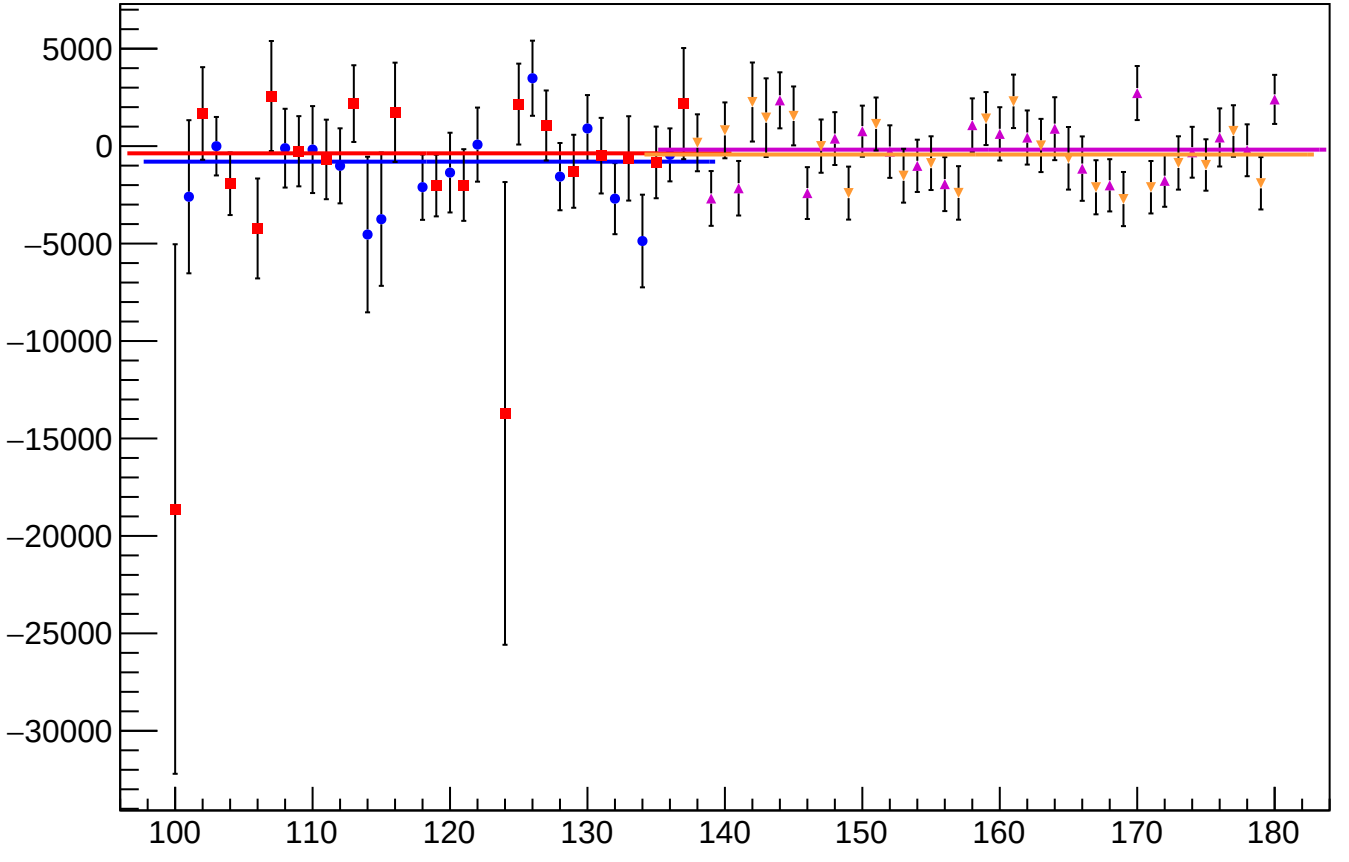
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4868574.0/36

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10956342.8/77

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -181.078+/-301.163 χ^2/NDF:28.0/20

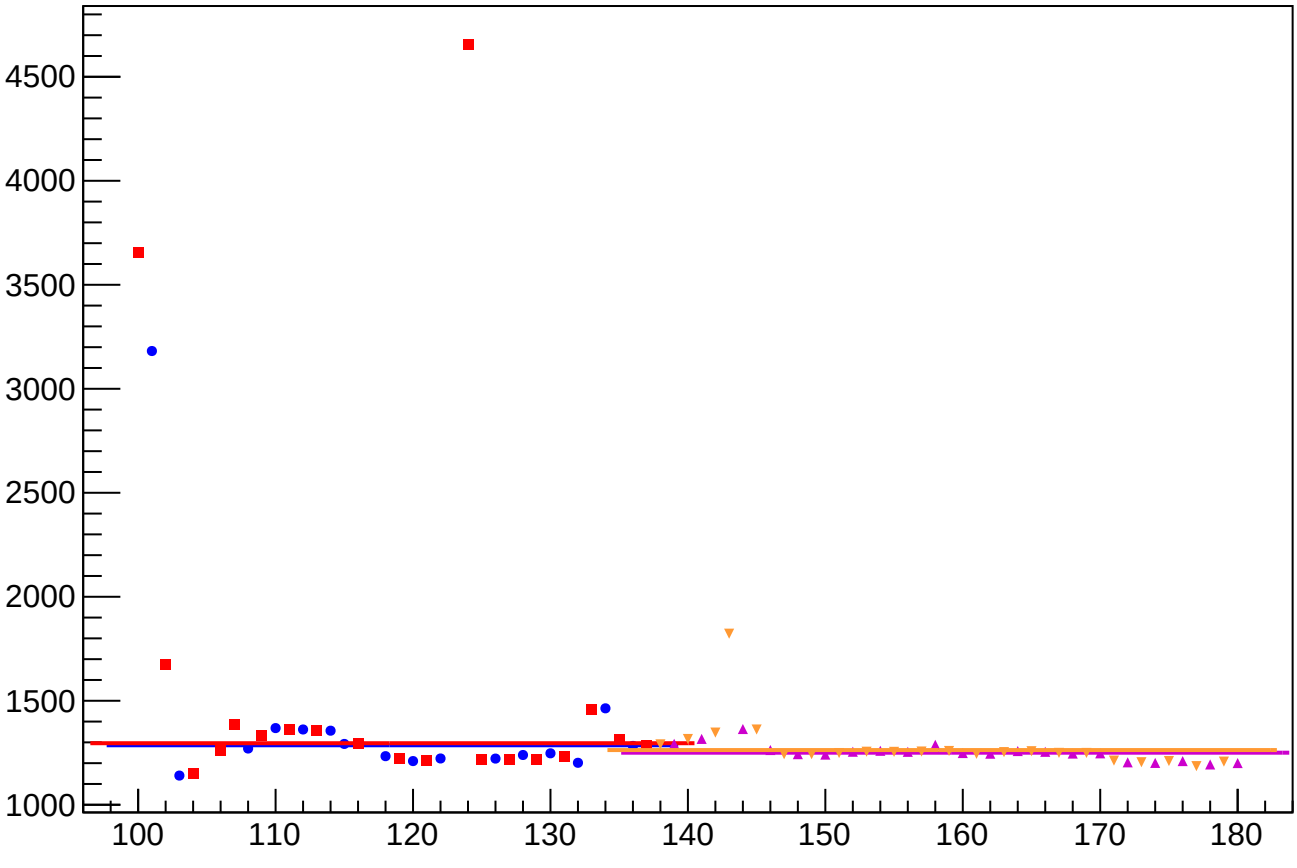
Left: -304.961+/-213.541 χ^2/NDF: 54.0/42

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -351.312+/-256.208 χ^2/NDF:42.6/36

Out: -413.370+/-256.991 χ^2/NDF:41.2/40

All: -382.246+/-181.443 χ^2/NDF: 83.8/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.3/20

Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

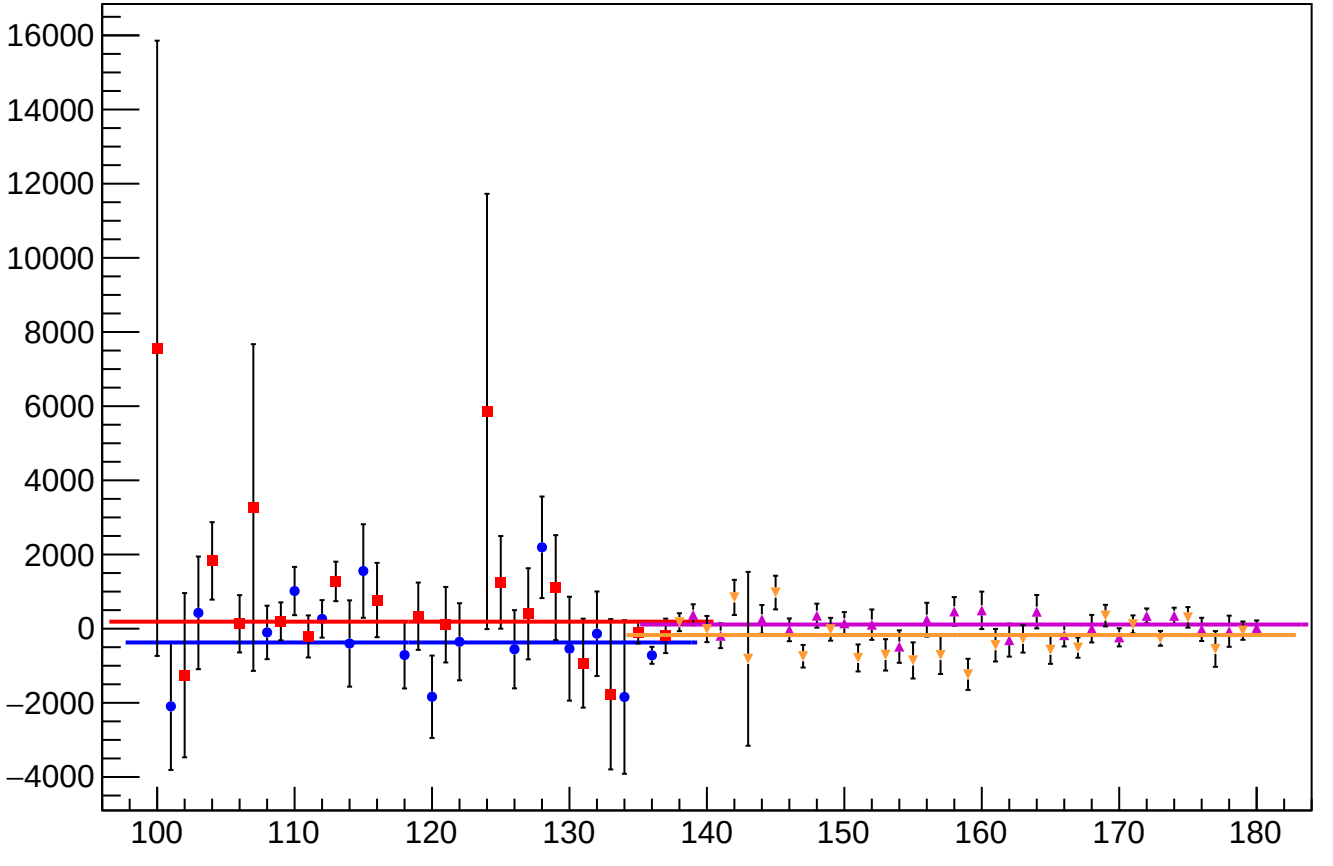
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1260.234+/-0.181 χ^2/NDF:560337.3/36

Out: 1272.200+/-0.182 χ^2/NDF:526127.2/40

All: 1266.199+/-0.128 χ^2/NDF: 1088639.1/77

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: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.029+/-67.902 χ^2/NDF:13.5/20

Left: -25.203+/-48.786 χ^2/NDF: 64.7/42

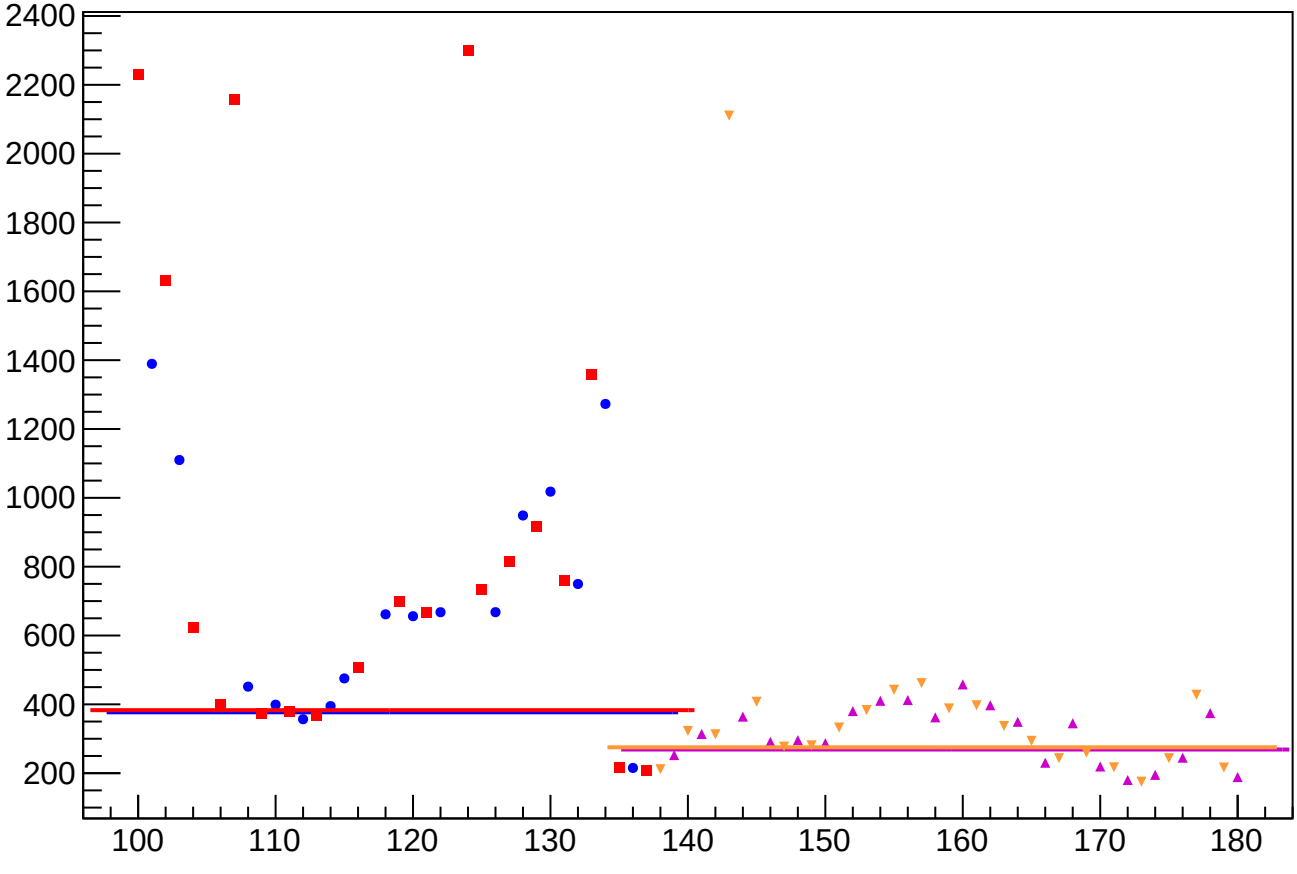
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 44.157+/-62.965 χ^2/NDF:38.7/36

Out: -118.951+/-64.813 χ^2/NDF:61.3/40

All: -35.038+/-45.162 χ^2/NDF: 103.3/77

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: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 268.718+/-0.048 χ^2/NDF:2652731.8/20

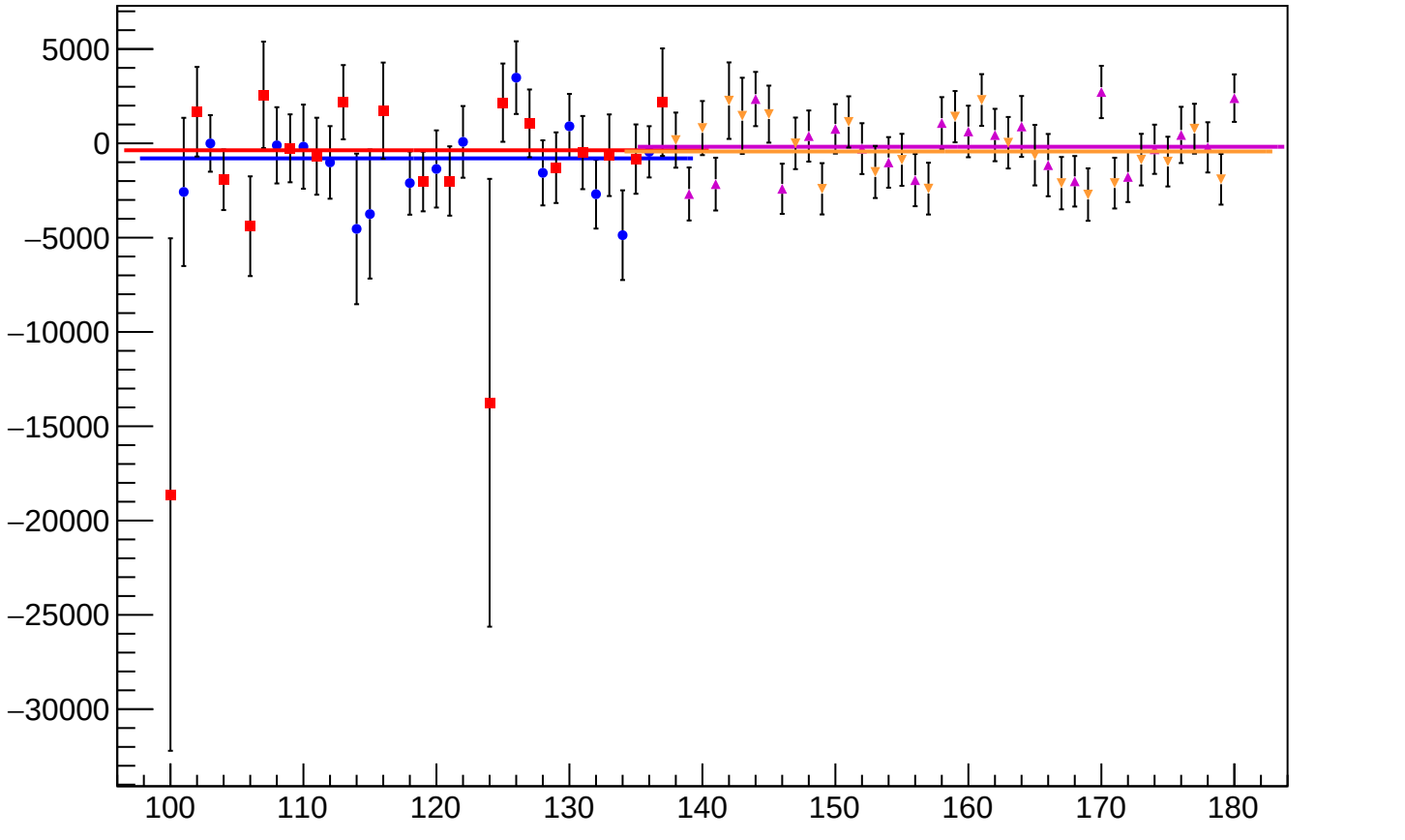
Left: 271.828+/-0.034 χ^2/NDF: 6277104.5/42

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 283.876+/-0.045 χ^2/NDF:7554214.4/36

Out: 290.913+/-0.046 χ^2/NDF:8361624.1/40

All: 287.293+/-0.032 χ^2/NDF: 15927967.3/77



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -181.049+/-301.163 χ^2/NDF:28.0/20

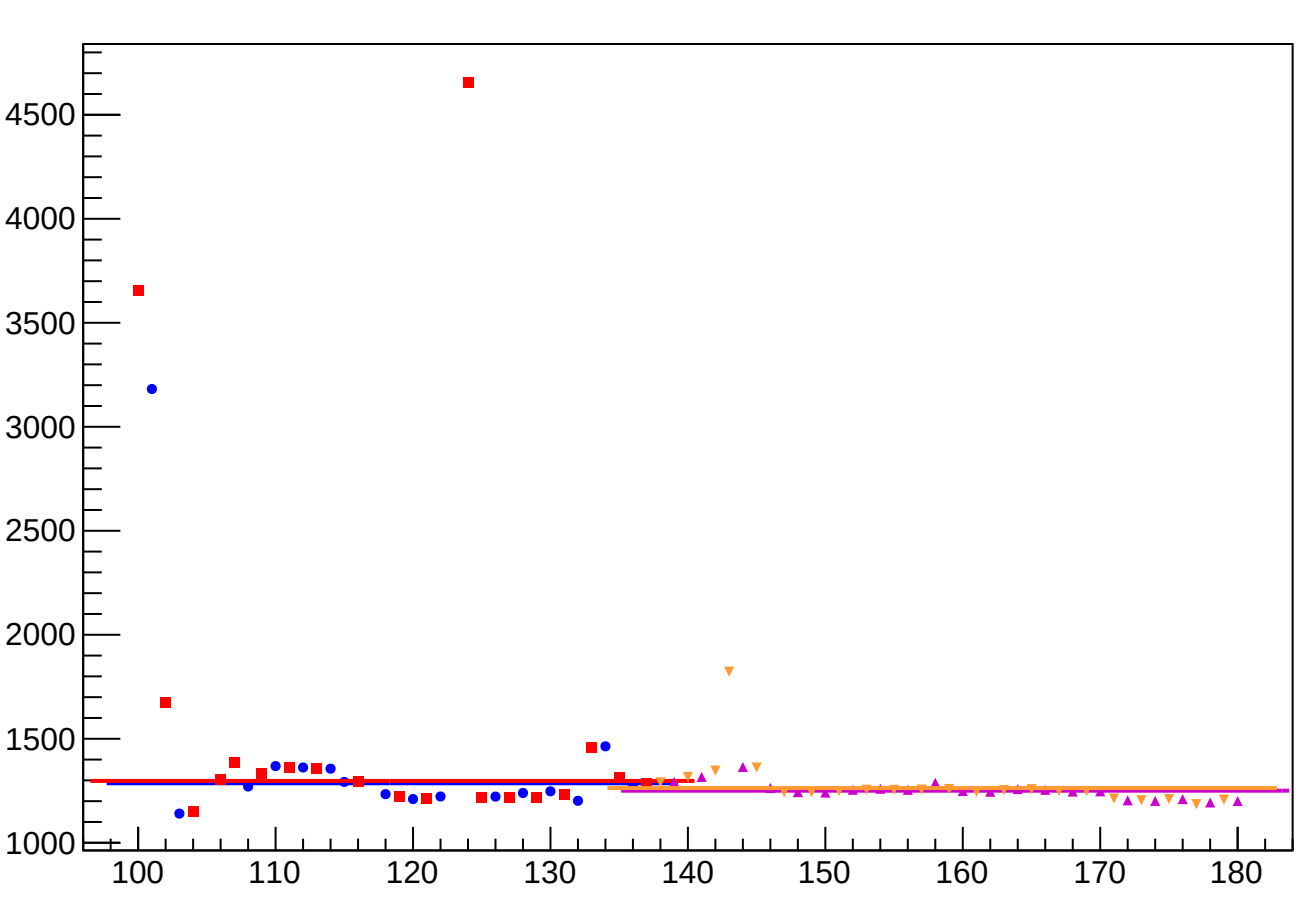
Left: -304.936+/-213.541 χ^2/NDF: 54.0/42

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -351.180+/-256.208 χ^2/NDF:42.6/36

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -381.824+/-181.470 χ^2/NDF: 83.9/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

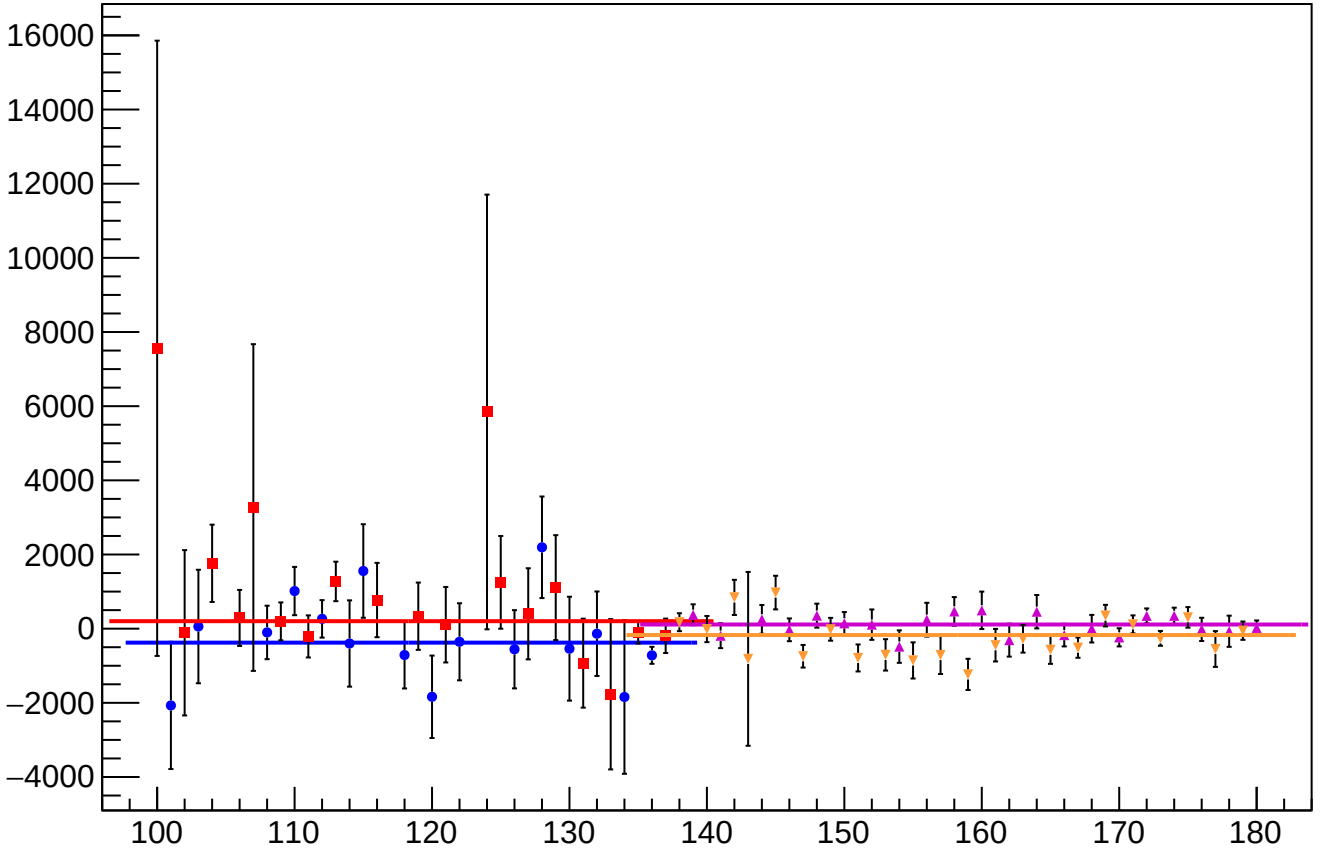
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1260.234+/-0.181 χ^2/NDF:560338.6/36

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

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: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 112.147+/-67.904 χ^2/NDF:13.4/20

Left: -25.154+/-48.787 χ^2/NDF: 64.7/42

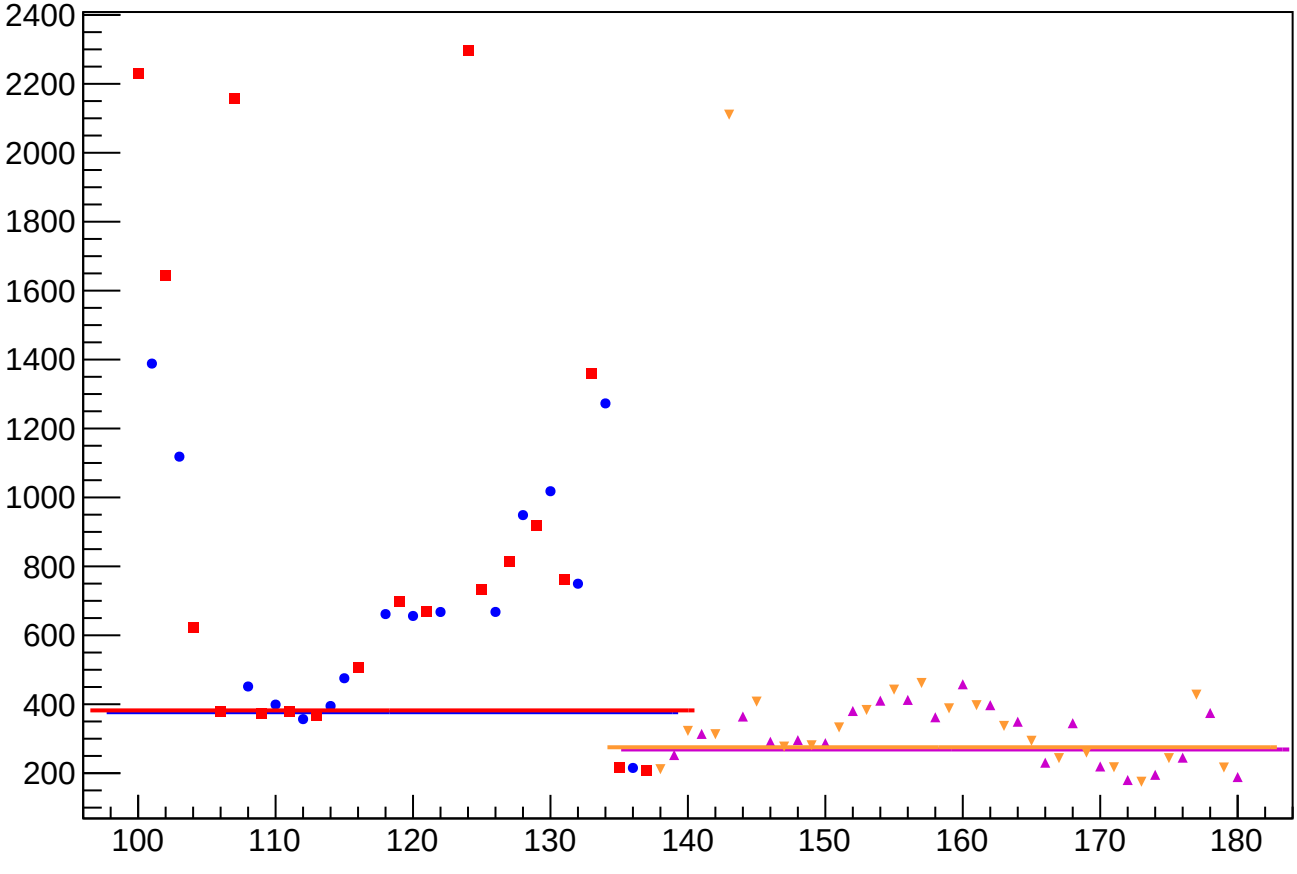
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 43.647+/-62.967 χ^2/NDF:38.6/36

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -34.336+/-45.160 χ^2/NDF: 102.8/77

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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

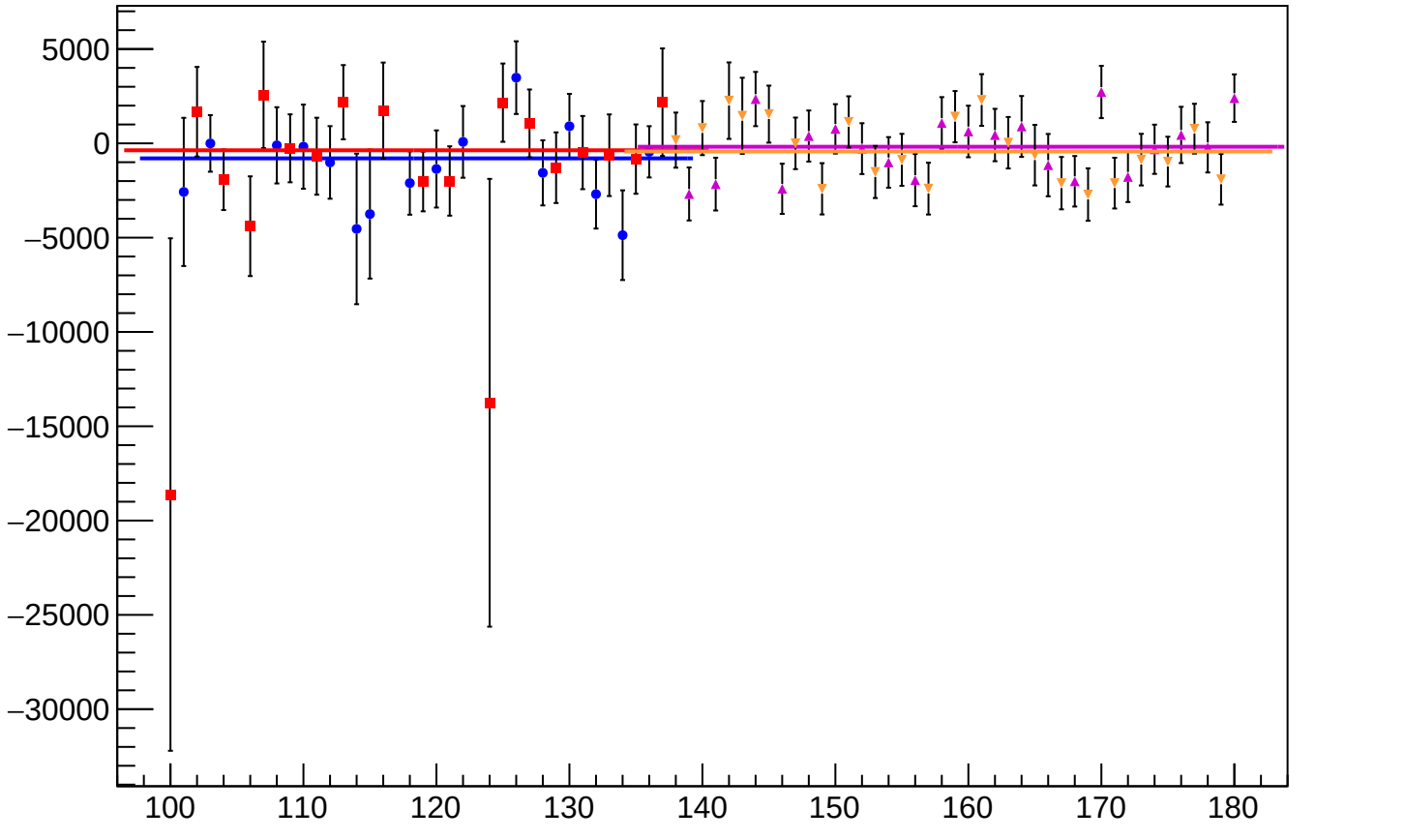
Left: 271.838+/-0.034 χ^2/NDF: 6276421.2/42

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 283.880+/-0.045 χ^2/NDF:7556658.1/36

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -181.049+/-301.163 χ^2/NDF:28.0/20

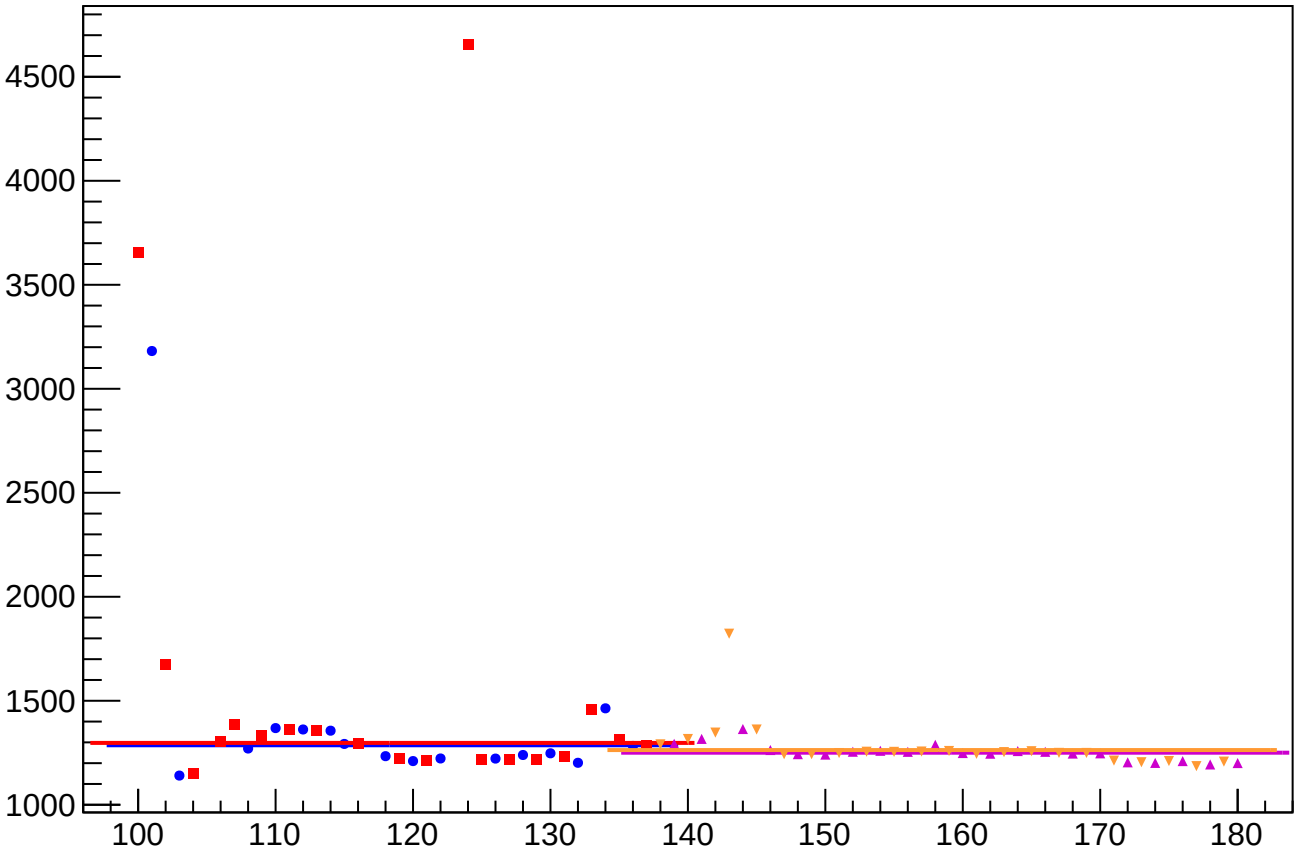
Left: -304.936+/-213.541 χ^2/NDF: 54.0/42

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -351.180+/-256.208 χ^2/NDF:42.6/36

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -381.824+/-181.470 χ^2/NDF: 83.9/77



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1250.362+/-0.213 χ^2/NDF:34431.2/20

Left: 1256.634+/-0.151 χ^2/NDF: 227600.4/42

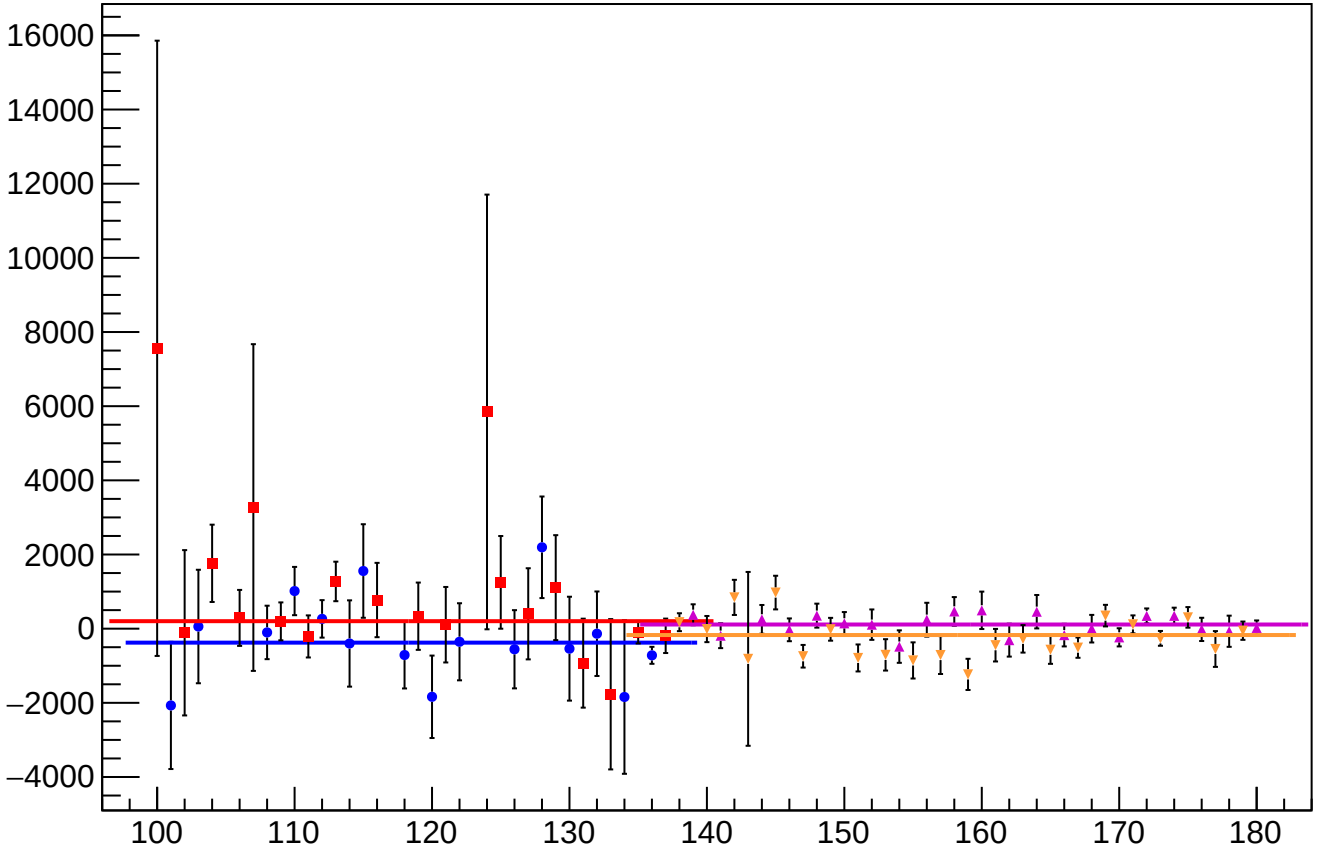
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1260.234+/-0.181 χ^2/NDF:560338.6/36

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1266.392+/-0.128 χ^2/NDF: 1089041.6/77

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: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 112.147+/-67.904 χ^2/NDF:13.4/20

Left: -25.154+/-48.787 χ^2/NDF: 64.7/42

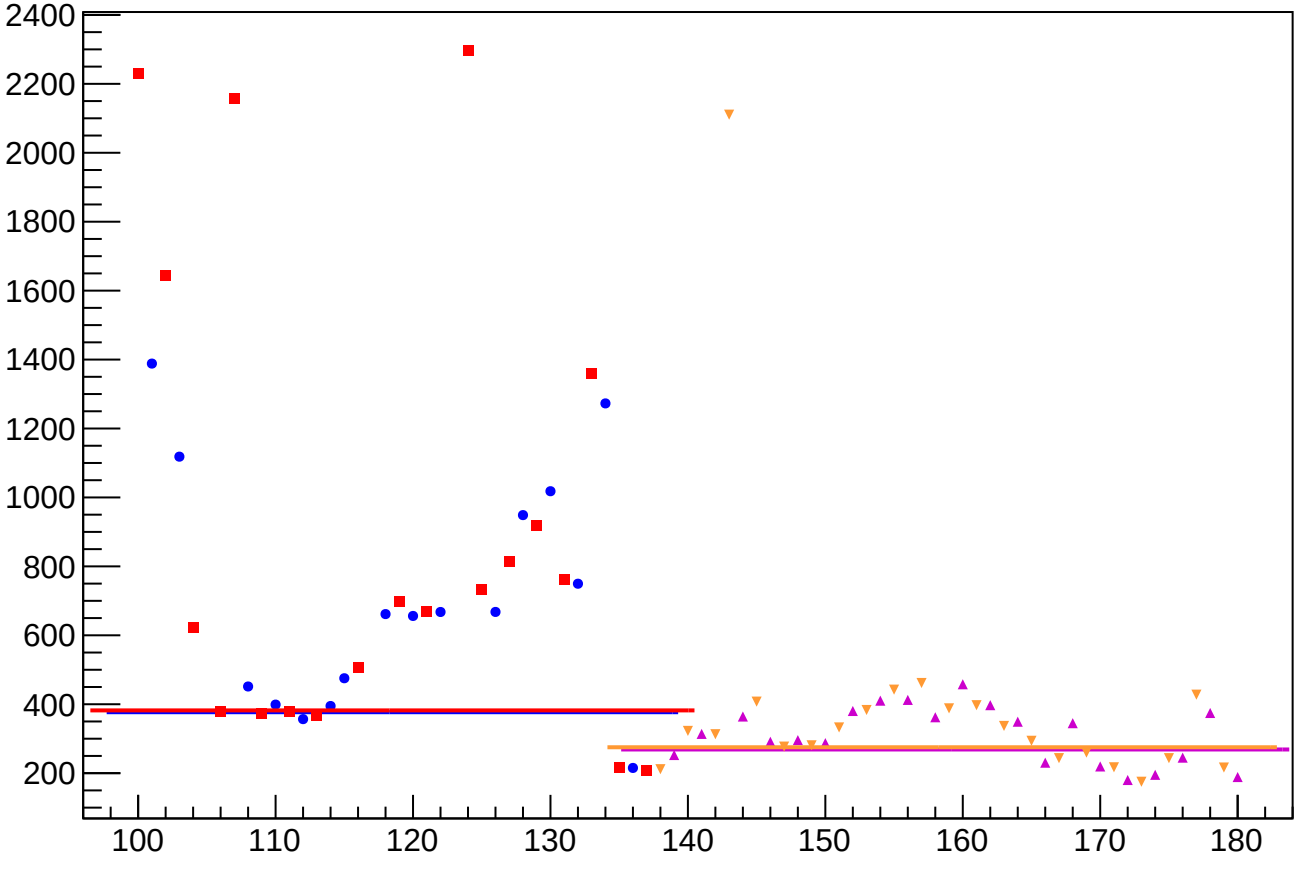
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 43.647+/-62.967 χ^2/NDF:38.6/36

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -34.336+/-45.160 χ^2/NDF: 102.8/77

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: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 268.727+/-0.048 χ^2/NDF:2652422.5/20

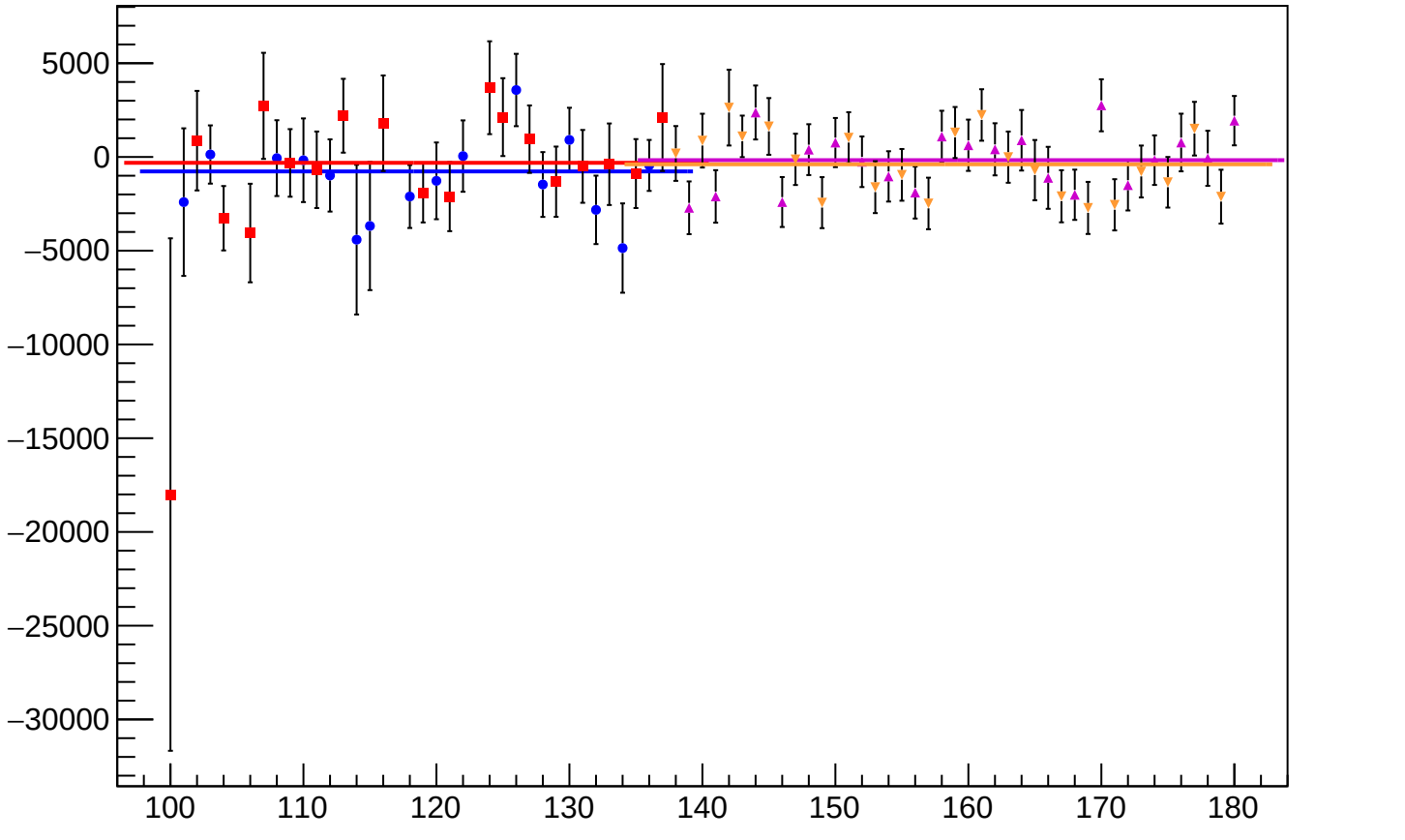
Left: 271.838+/-0.034 χ^2/NDF: 6276421.2/42

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 283.880+/-0.045 χ^2/NDF:7556658.1/36

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 287.249+/-0.032 χ^2/NDF: 15924404.7/77



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -170.087+/-304.260 χ^2/NDF:26.1/20

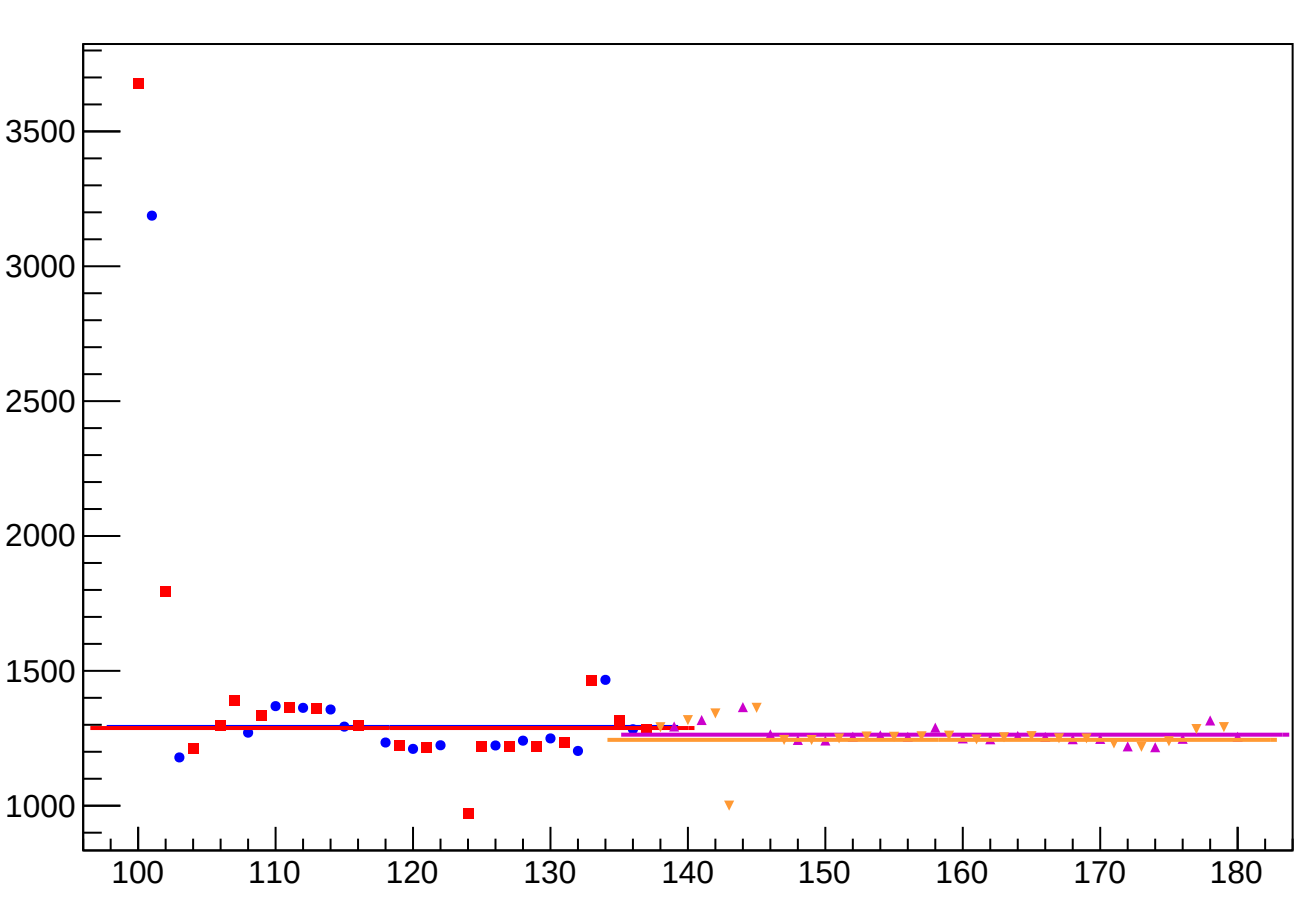
Left: -282.836+/-212.918 χ^2/NDF: 55.8/42

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -337.640+/-258.424 χ^2/NDF:40.8/36

Out: -369.055+/-253.598 χ^2/NDF:47.3/40

All: -353.644+/-181.003 χ^2/NDF: 88.1/77



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.353+/-0.215 χ^2/NDF:24326.9/20

Left: 1253.570+/-0.151 χ^2/NDF: 155390.7/42

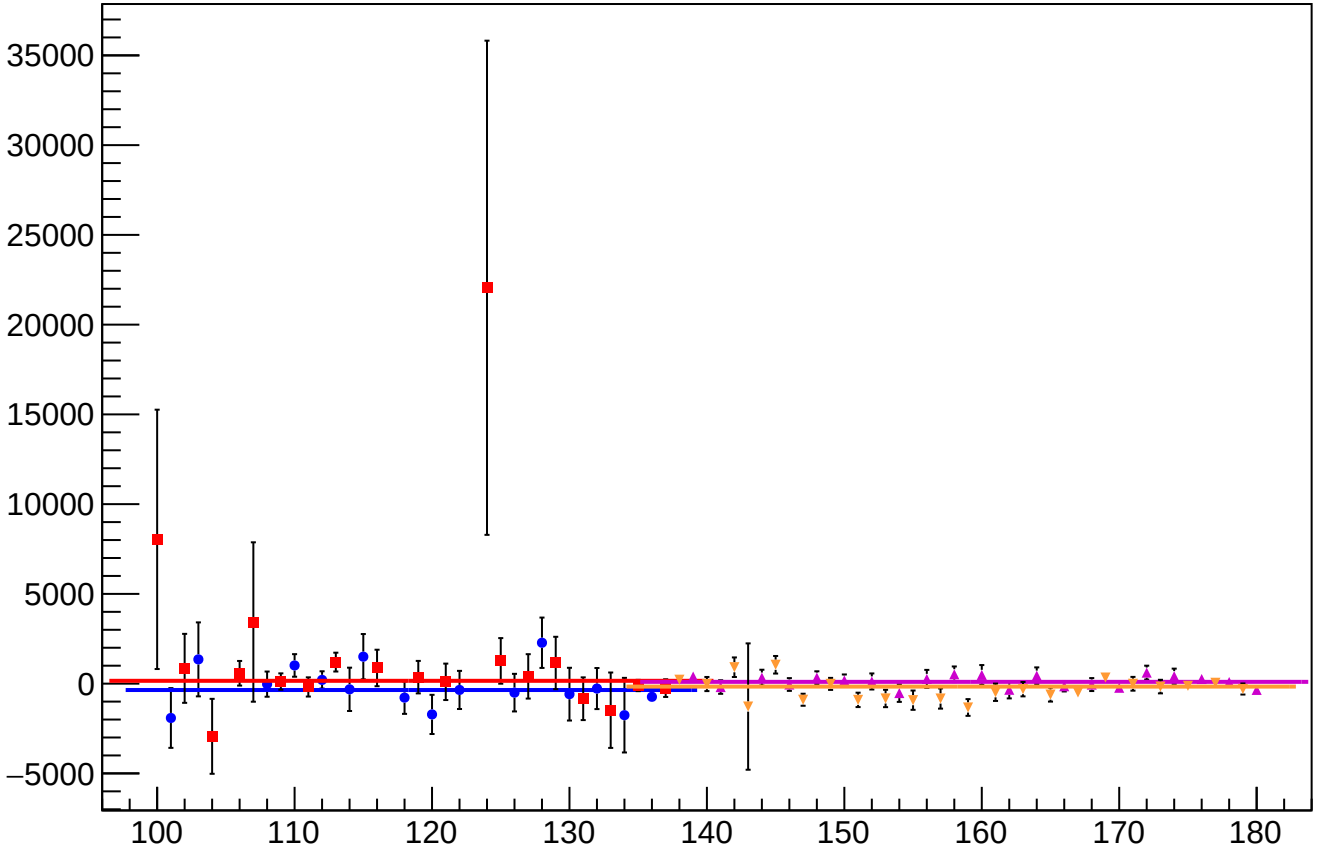
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.345+/-0.183 χ^2/NDF:538685.7/36

Out: 1256.276+/-0.179 χ^2/NDF:348148.2/40

All: 1263.668+/-0.128 χ^2/NDF: 890298.0/77

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: -164.211+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 99.779+/-70.880 χ^2/NDF:16.2/20

Left: -38.634+/-48.886 χ^2/NDF: 65.2/42

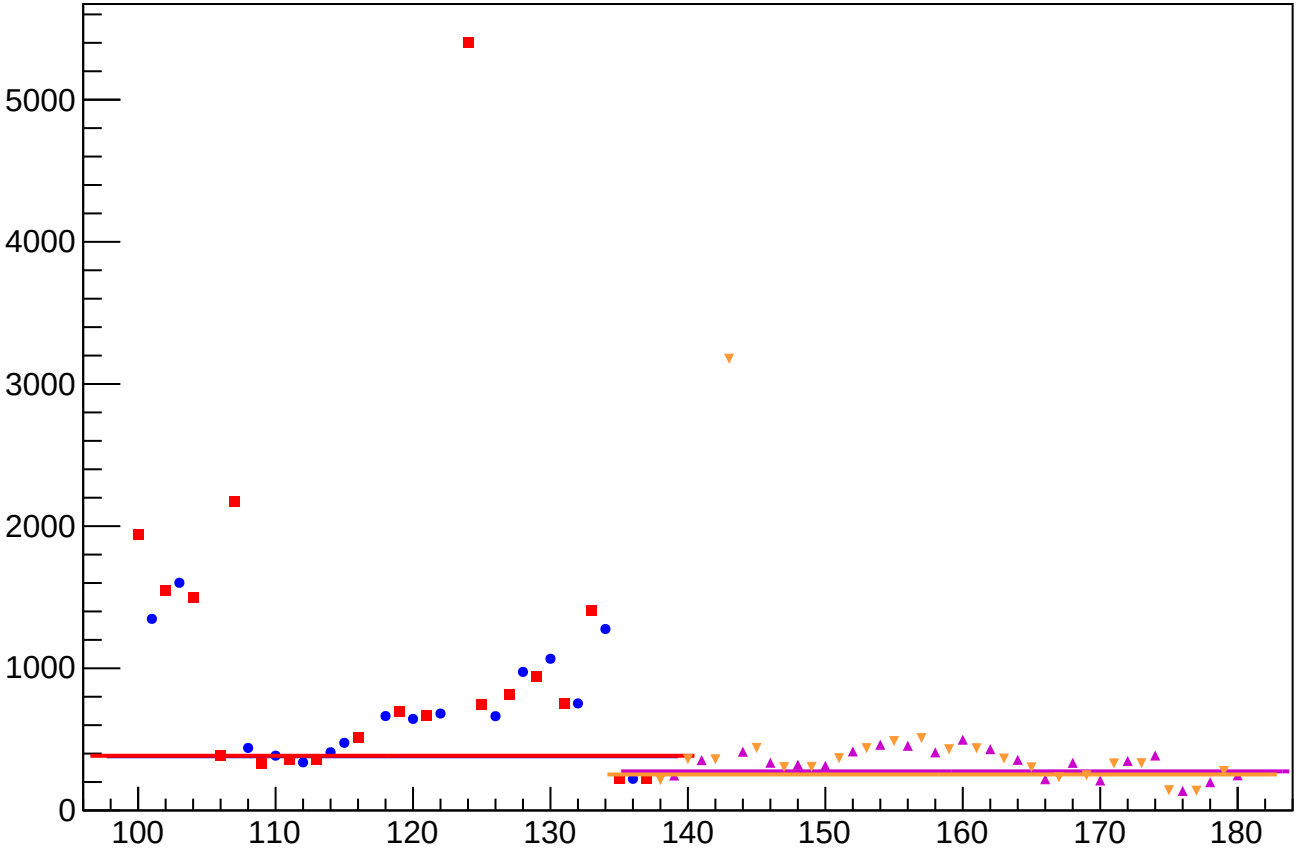
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 32.376+/-65.419 χ^2/NDF:40.8/36

Out: -120.176+/-62.729 χ^2/NDF:60.7/40

All: -47.101+/-45.277 χ^2/NDF: 104.3/77

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: 253.247+/-0.048 χ^2/NDF:6289956.3/21

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 274.828+/-0.050 χ^2/NDF:4012127.0/20

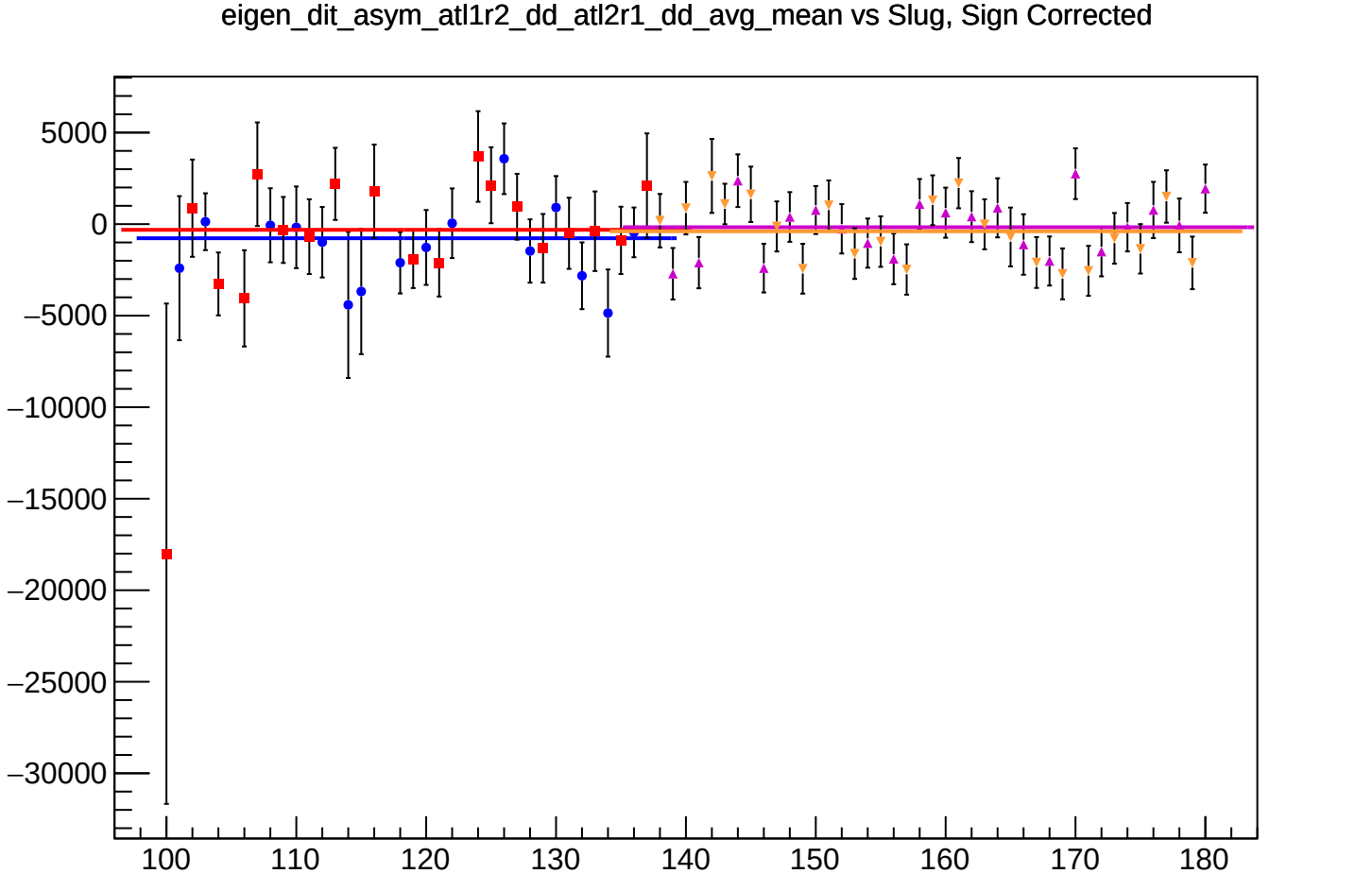
Left: 263.513+/-0.035 χ^2/NDF: 10399292.0/42

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 290.607+/-0.046 χ^2/NDF:8999204.6/36

Out: 271.209+/-0.044 χ^2/NDF:11885847.5/40

All: 280.501+/-0.032 χ^2/NDF: 20976665.8/77



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.036+/-298.059 χ^2/NDF:29.4/21

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -170.087+/-304.260 χ^2/NDF:26.1/20

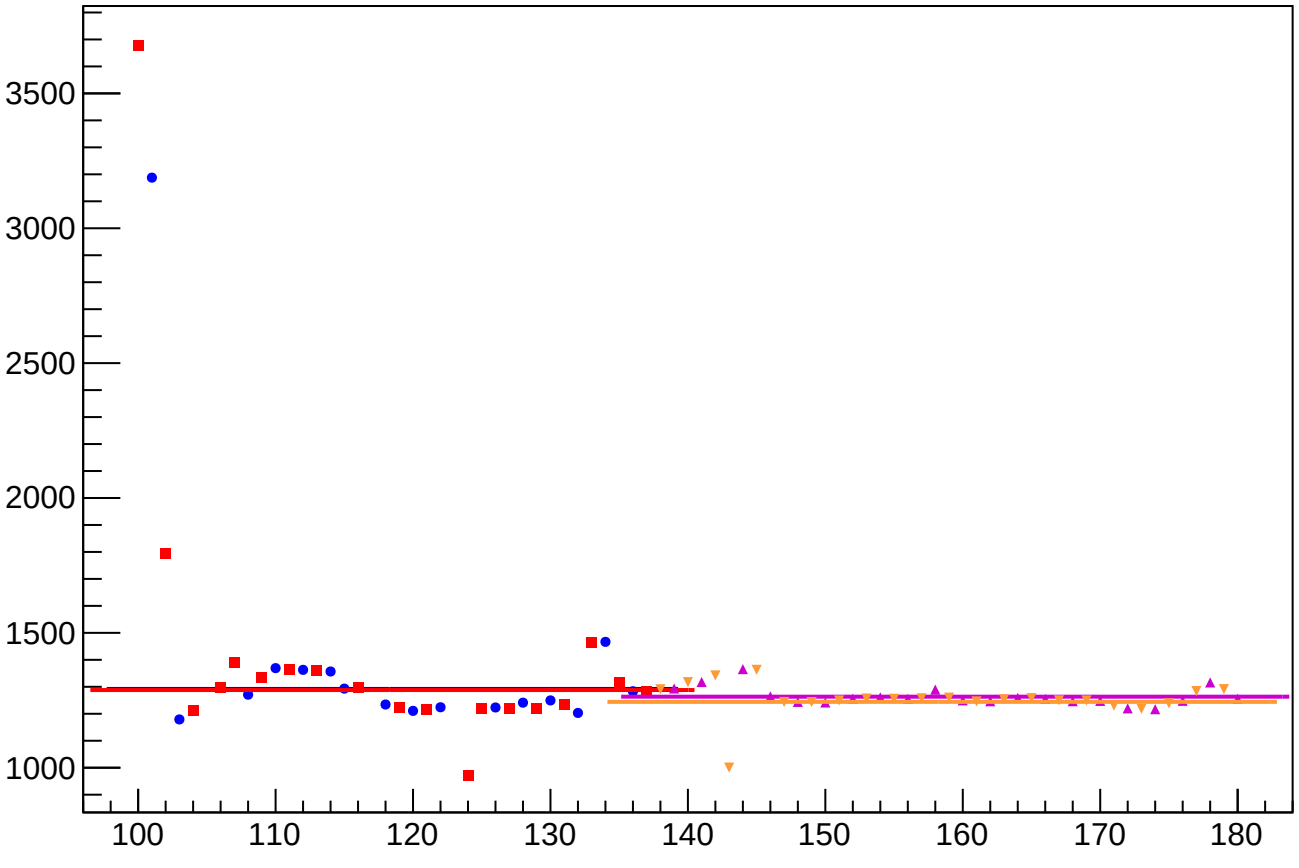
Left: -282.836+/-212.918 χ^2/NDF: 55.8/42

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -337.640+/-258.424 χ^2/NDF:40.8/36

Out: -369.055+/-253.598 χ^2/NDF:47.3/40

All: -353.644+/-181.003 χ^2/NDF: 88.1/77



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.353+/-0.215 χ^2/NDF:24327.0/20

Left: 1253.570+/-0.151 χ^2/NDF: 155389.9/42

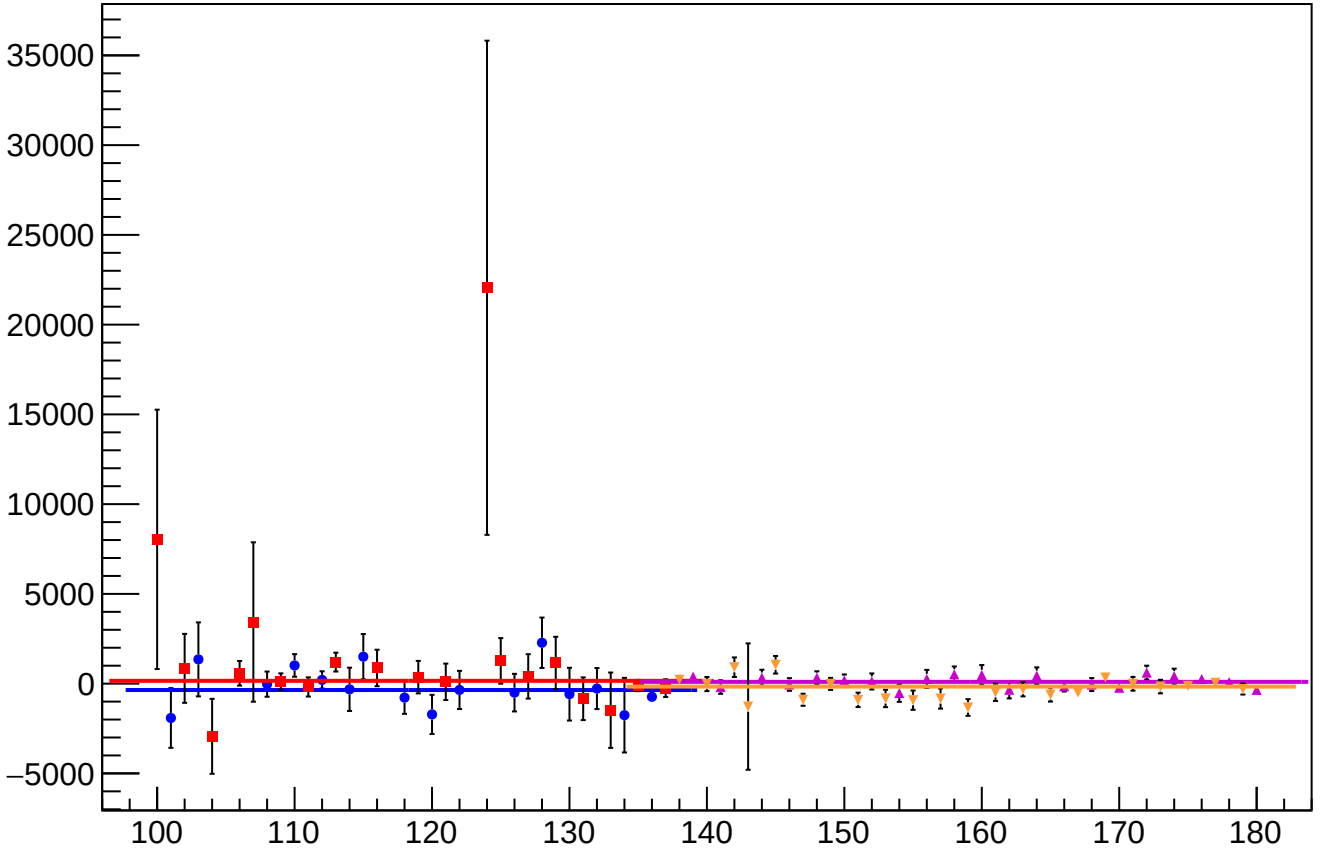
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.344+/-0.183 χ^2/NDF:538685.8/36

Out: 1256.276+/-0.179 χ^2/NDF:348147.6/40

All: 1263.668+/-0.128 χ^2/NDF: 890297.4/77

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: -164.215+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 99.778+/-70.880 χ^2/NDF:16.2/20

Left: -38.637+/-48.886 χ^2/NDF: 65.2/42

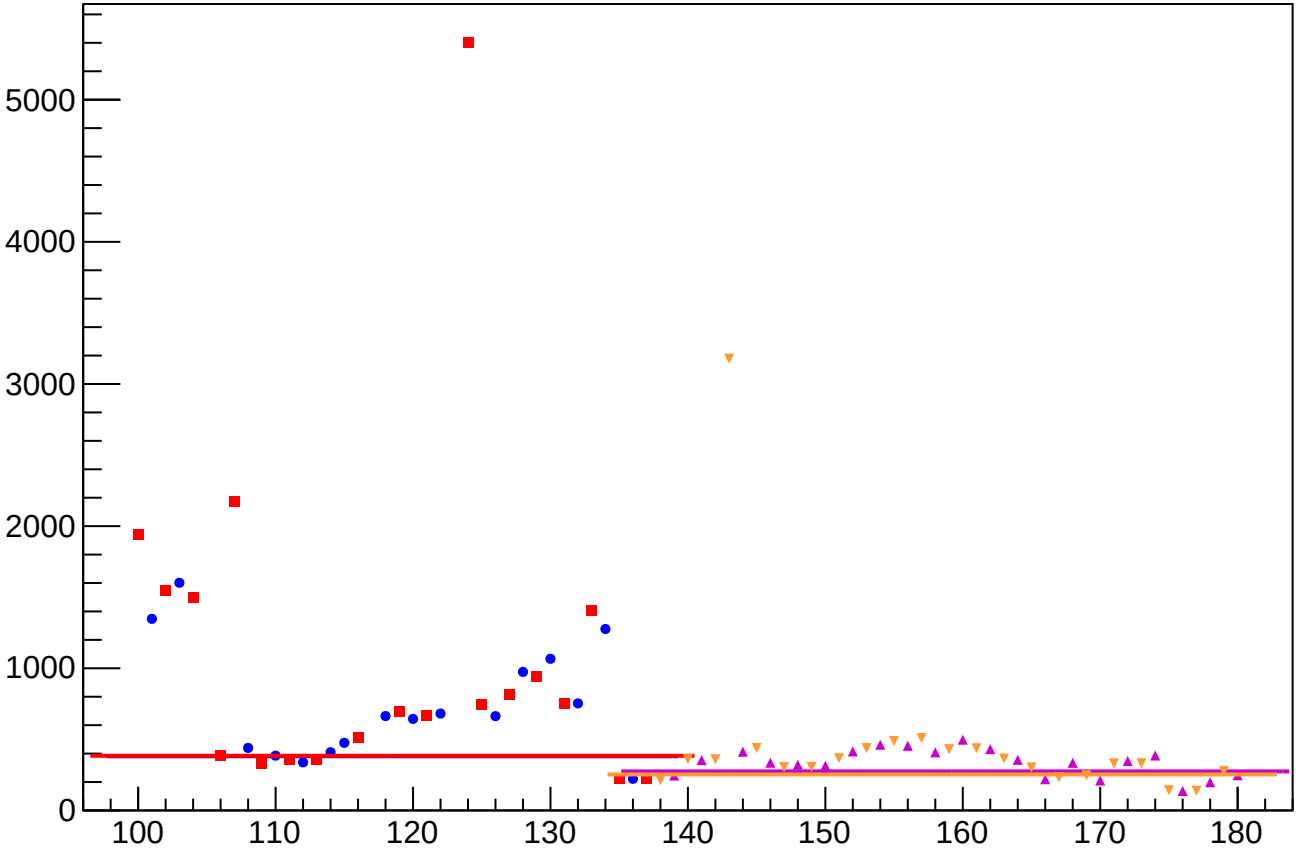
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 32.376+/-65.420 χ^2/NDF:40.8/36

Out: -120.180+/-62.729 χ^2/NDF:60.7/40

All: -47.103+/-45.278 χ^2/NDF: 104.3/77

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: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 274.828+/-0.050 χ^2/NDF:4012088.2/20

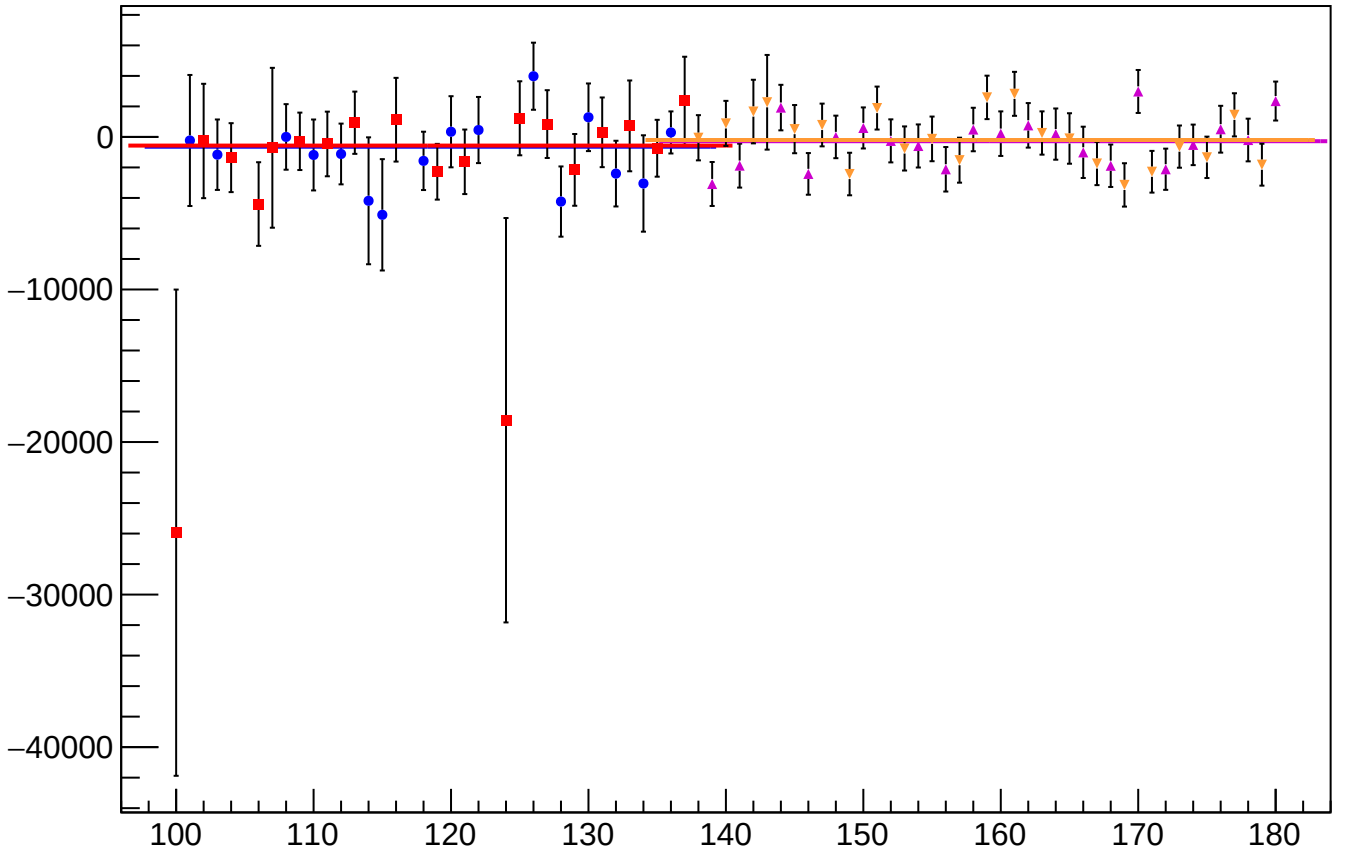
Left: 263.514+/-0.035 χ^2/NDF: 10399146.8/42

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 290.609+/-0.046 χ^2/NDF:8999080.5/36

Out: 271.211+/-0.044 χ^2/NDF:11885684.6/40

All: 280.503+/-0.032 χ^2/NDF: 20976372.3/77



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -280.507+/-311.407 χ^2/NDF:26.0/20

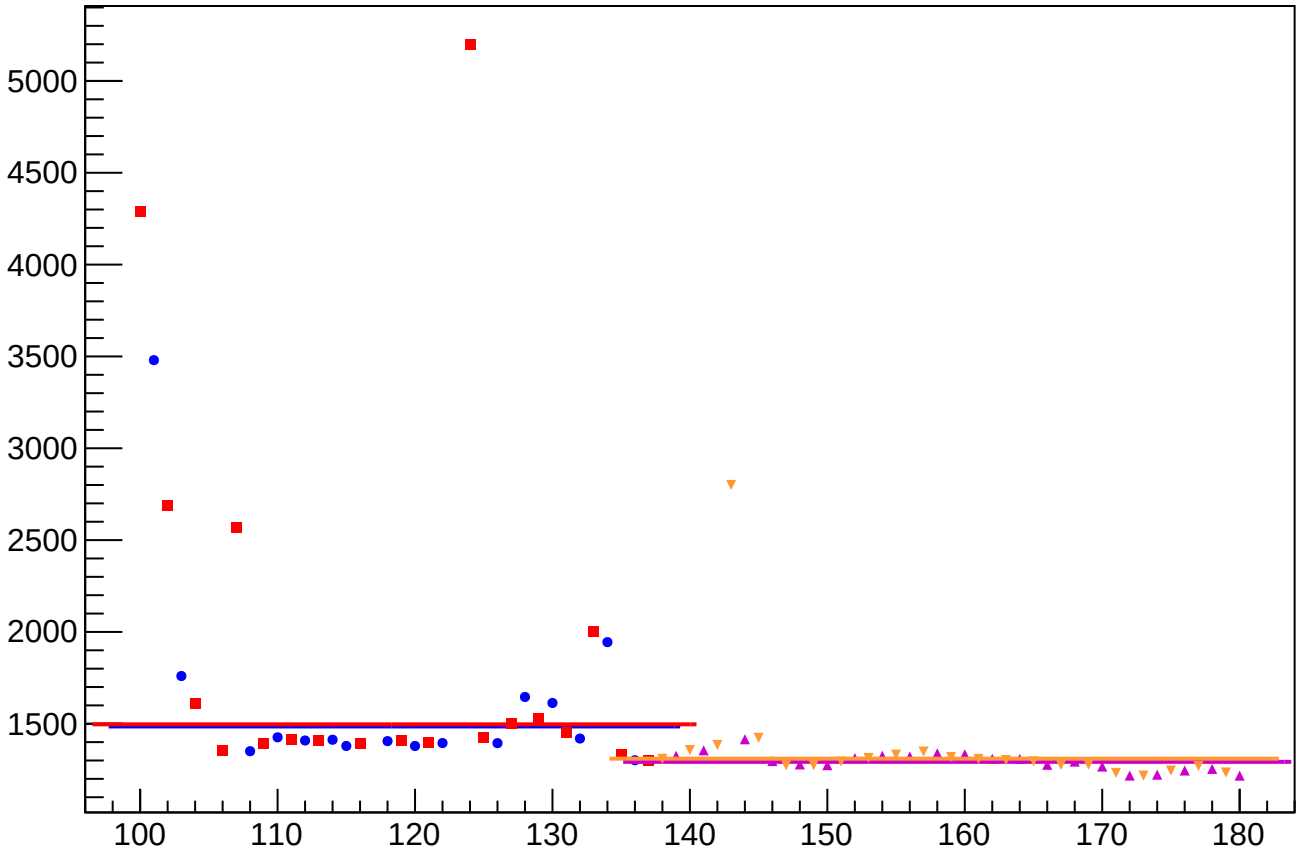
Left: -241.926+/-221.660 χ^2/NDF: 54.2/42

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -364.605+/-272.655 χ^2/NDF:38.8/36

Out: -288.673+/-275.724 χ^2/NDF:39.7/40

All: -327.064+/-193.872 χ^2/NDF: 78.6/77



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1292.600+/-0.220 χ^2/NDF:48260.6/20

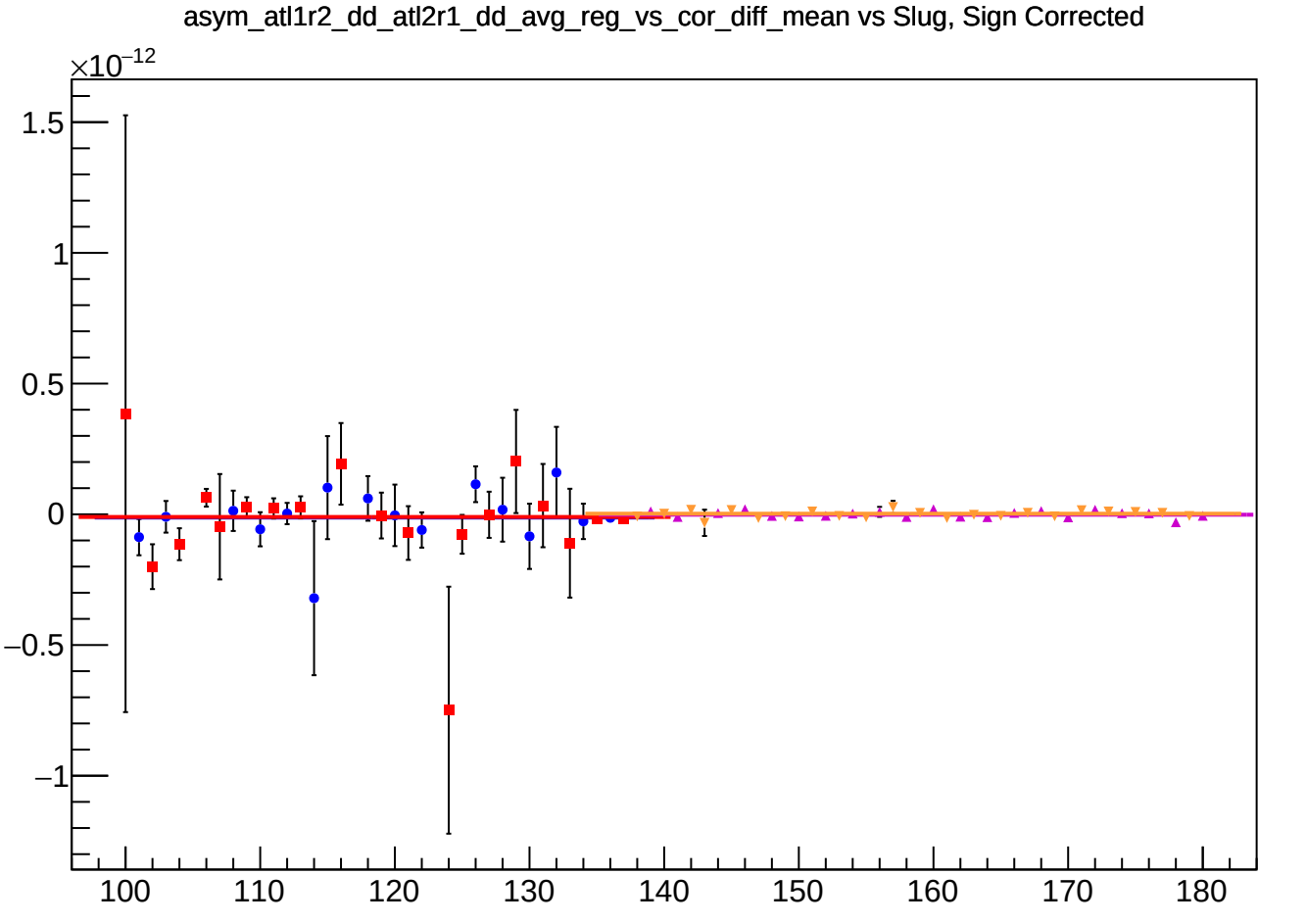
Left: 1301.195+/-0.157 χ^2/NDF: 562188.8/42

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1337.593+/-0.193 χ^2/NDF:811608.7/36

Out: 1354.242+/-0.195 χ^2/NDF:1300045.8/40

All: 1345.824+/-0.137 χ^2/NDF: 2115341.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/20

Left: 0.000+/-0.000 χ^2/NDF: 46.9/42

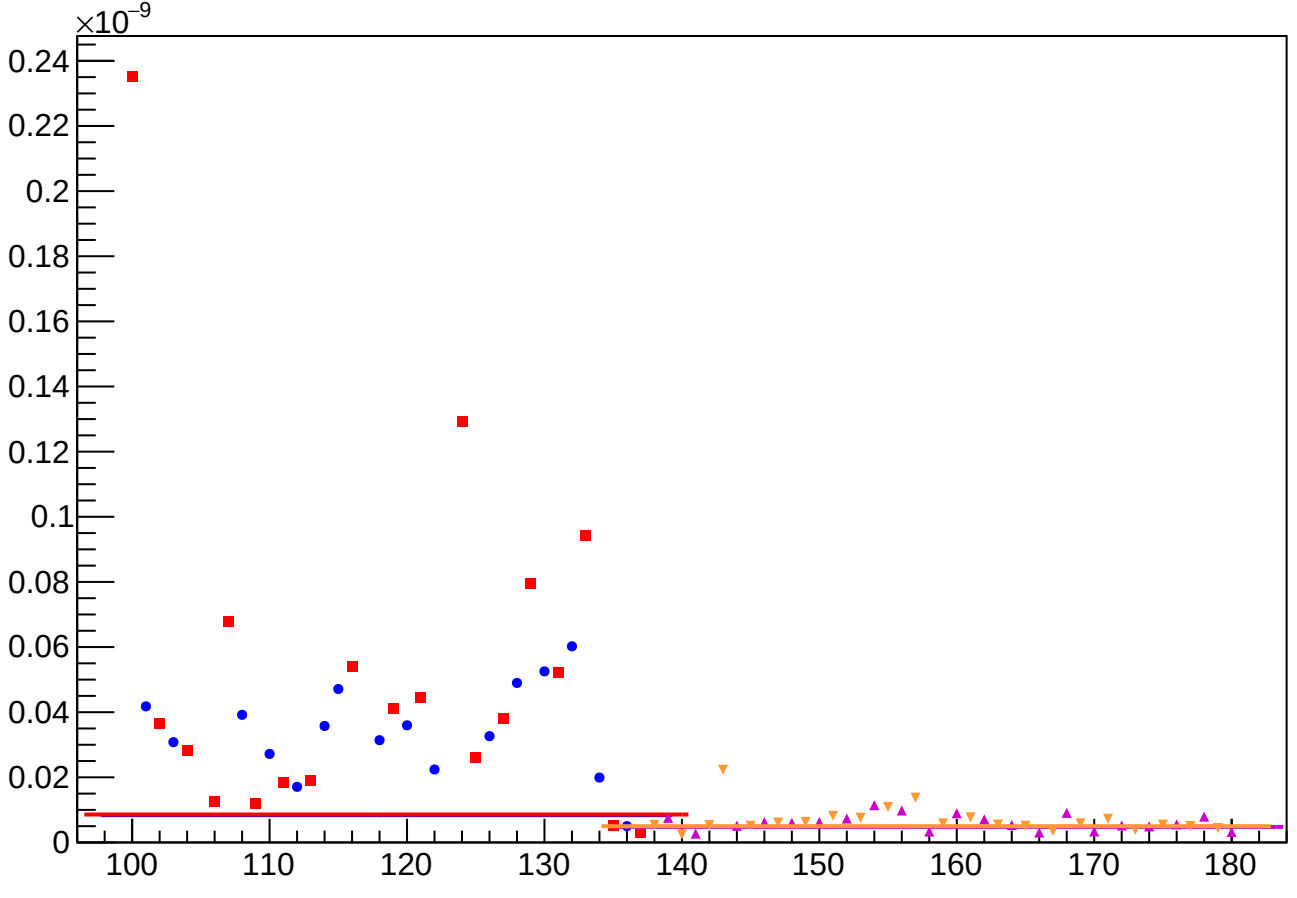
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.7/36

Out: 0.000+/-0.000 χ^2/NDF:44.4/40

All: -0.000+/-0.000 χ^2/NDF: 83.0/77

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1884560.7/20

Left: 0.000+/-0.000 χ^2/NDF: 3788869.8/42

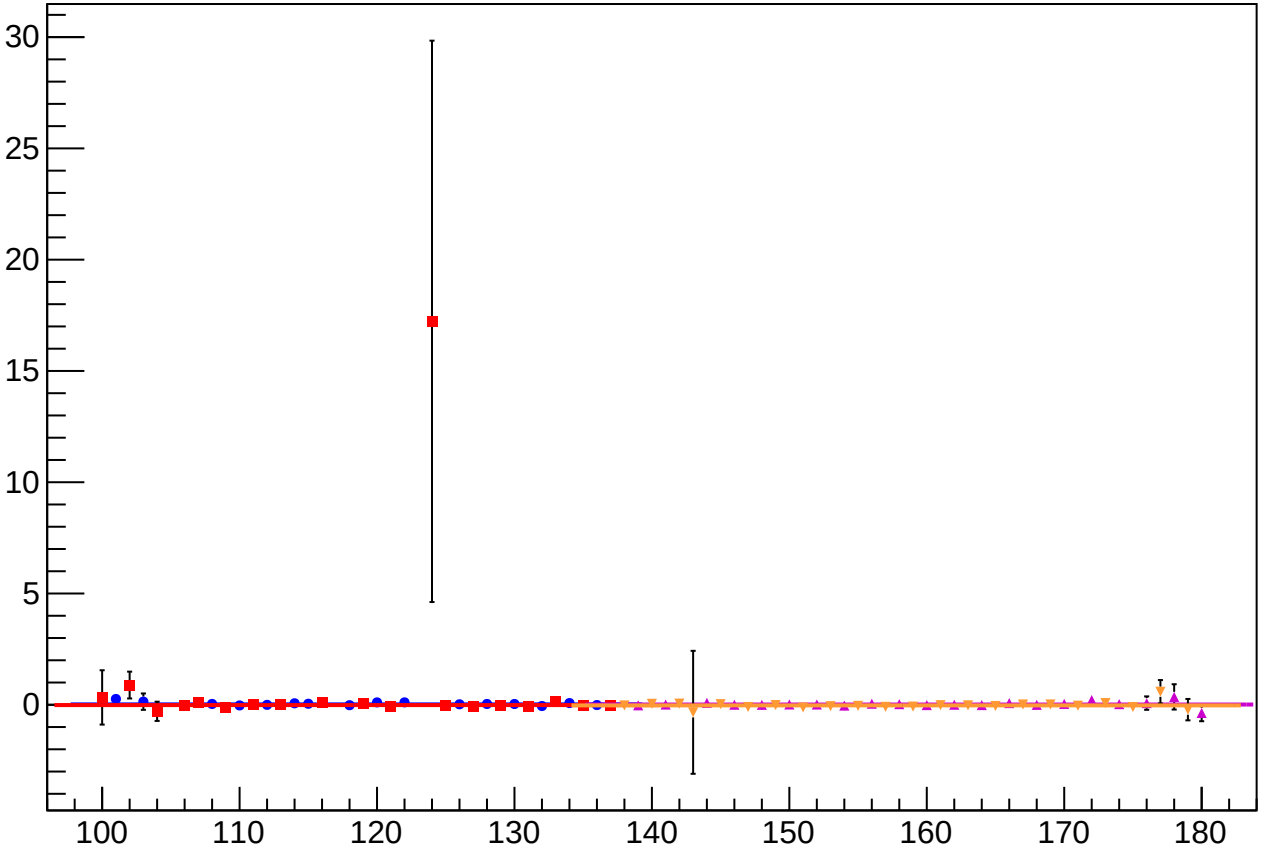
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5381650.6/36

Out: 0.000+/-0.000 χ^2/NDF:5619521.9/40

All: 0.000+/-0.000 χ^2/NDF: 11009111.9/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

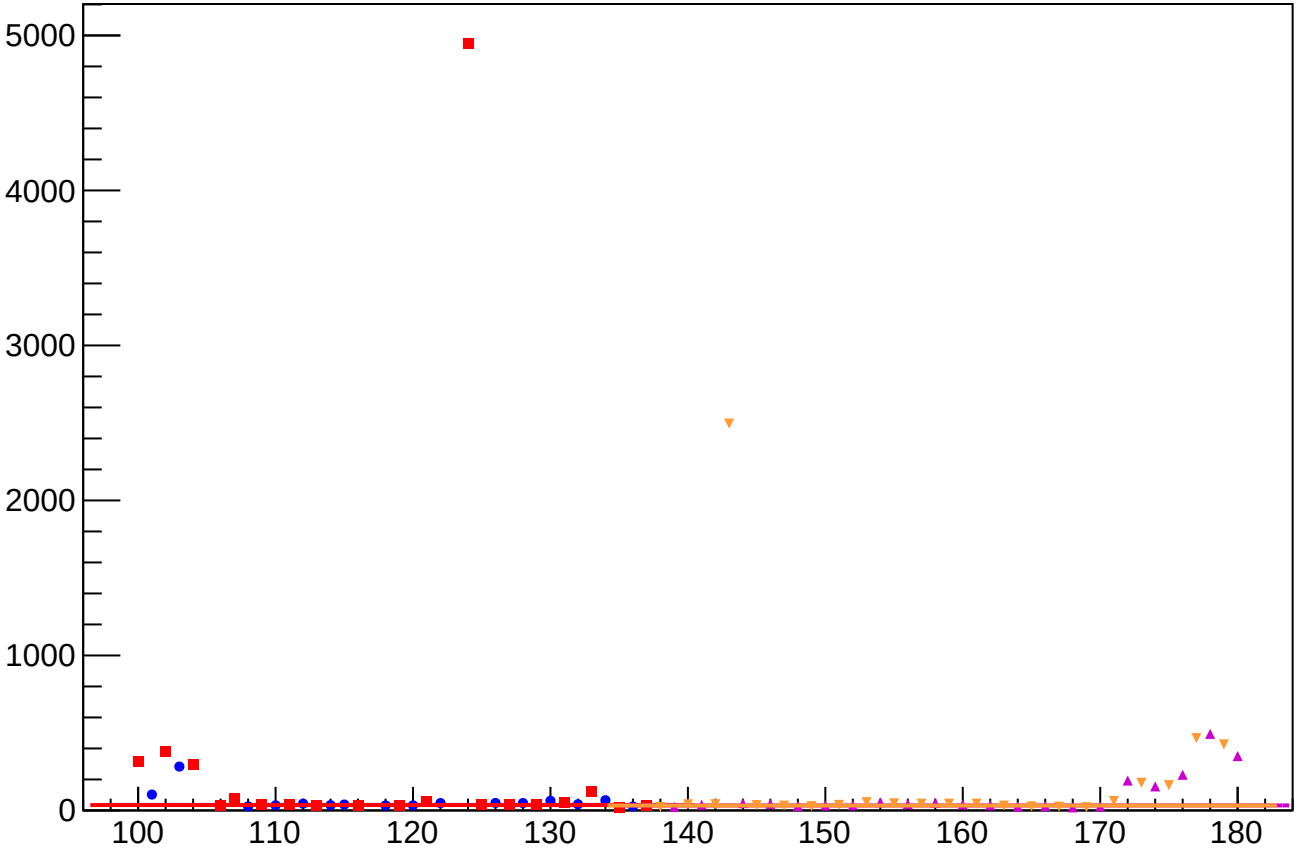
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

Left: 32.171+/-0.005 χ^2/NDF: 15457693.9/42

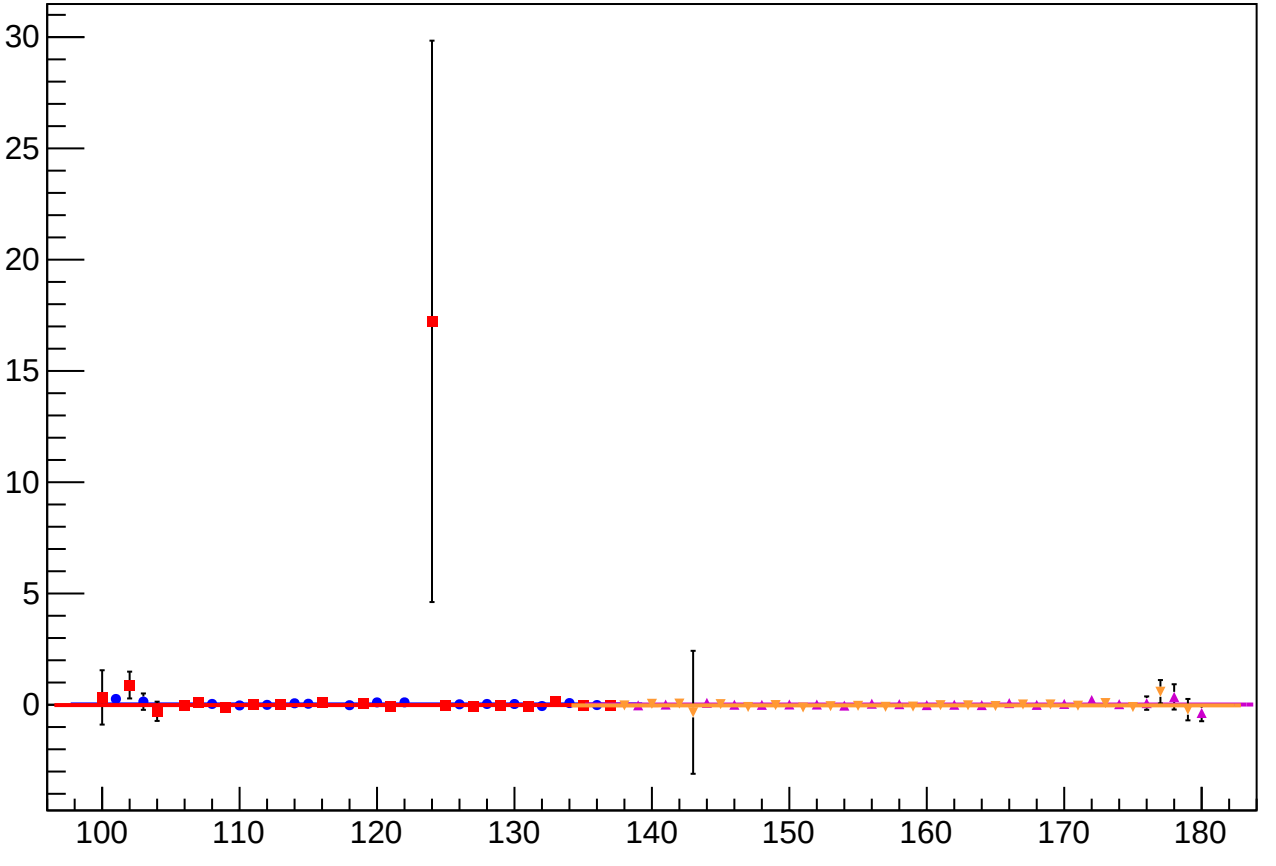
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.295+/-0.006 χ^2/NDF:9757078.9/36

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

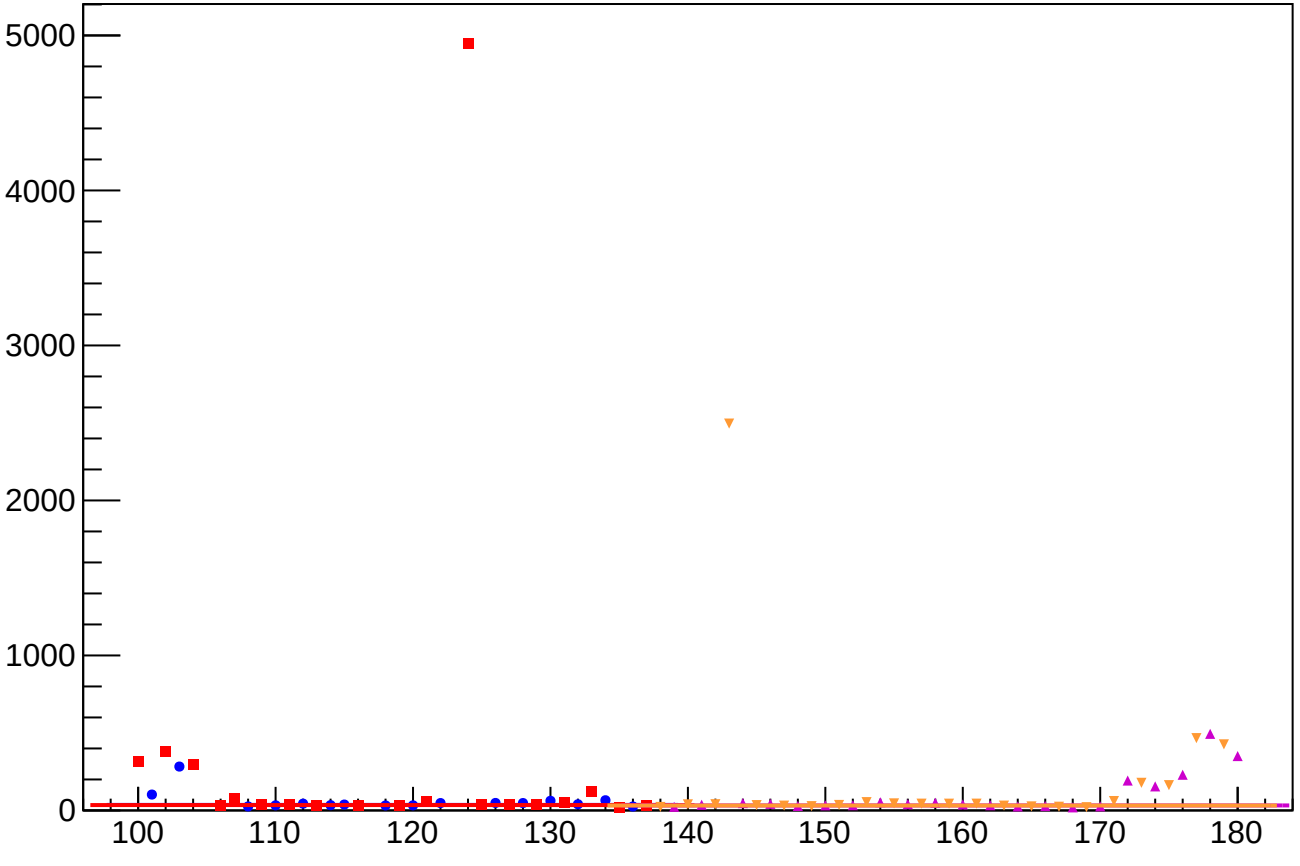
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.368+/-0.007 χ^2/NDF:7423081.6/20

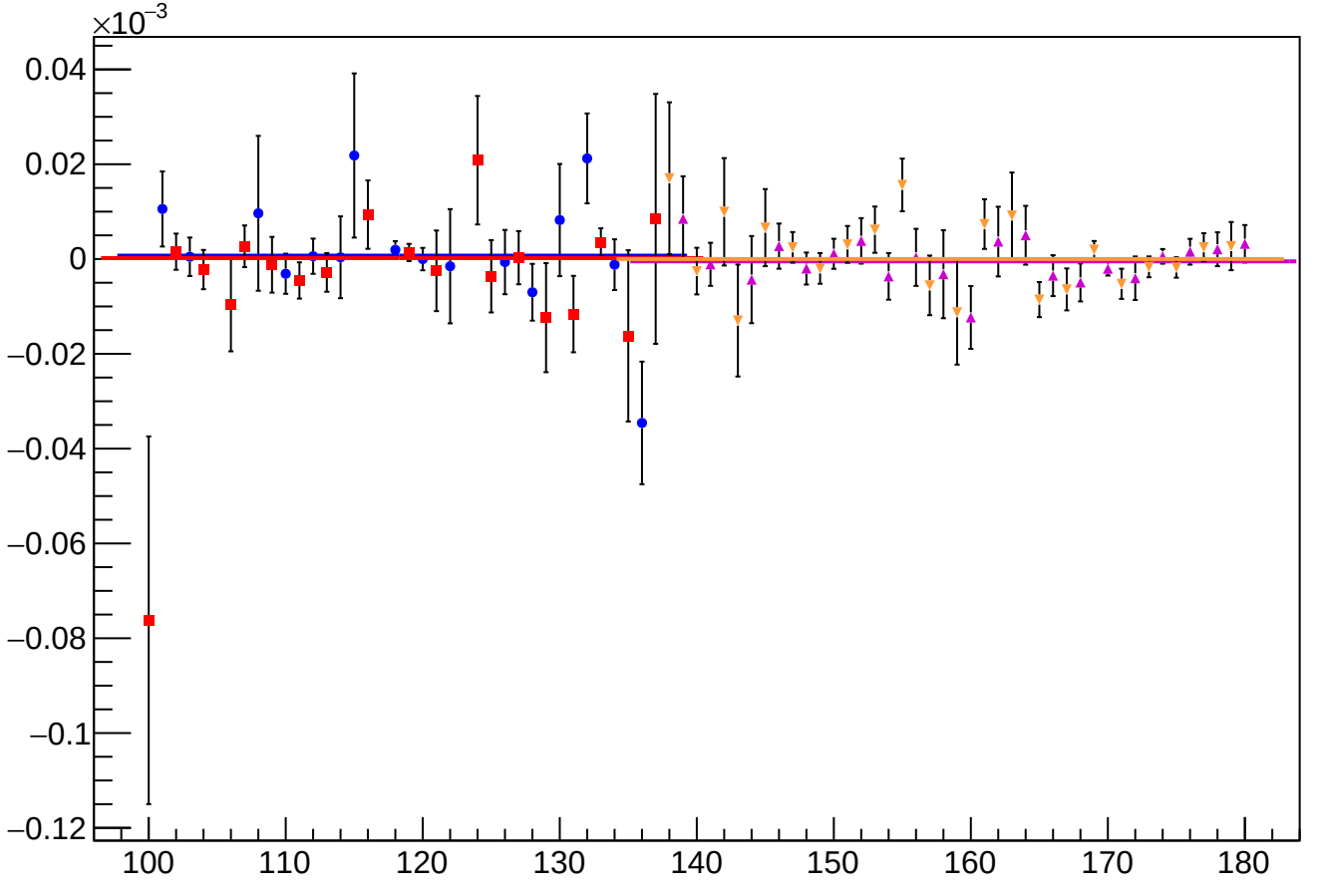
Left: 32.171+/-0.005 χ^2/NDF: 15457693.9/42

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.295+/-0.006 χ^2/NDF:9757078.9/36

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 33.019+/-0.004 χ^2/NDF: 20756397.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/20

Left: -0.000+/-0.000 χ^2/NDF: 47.4/42

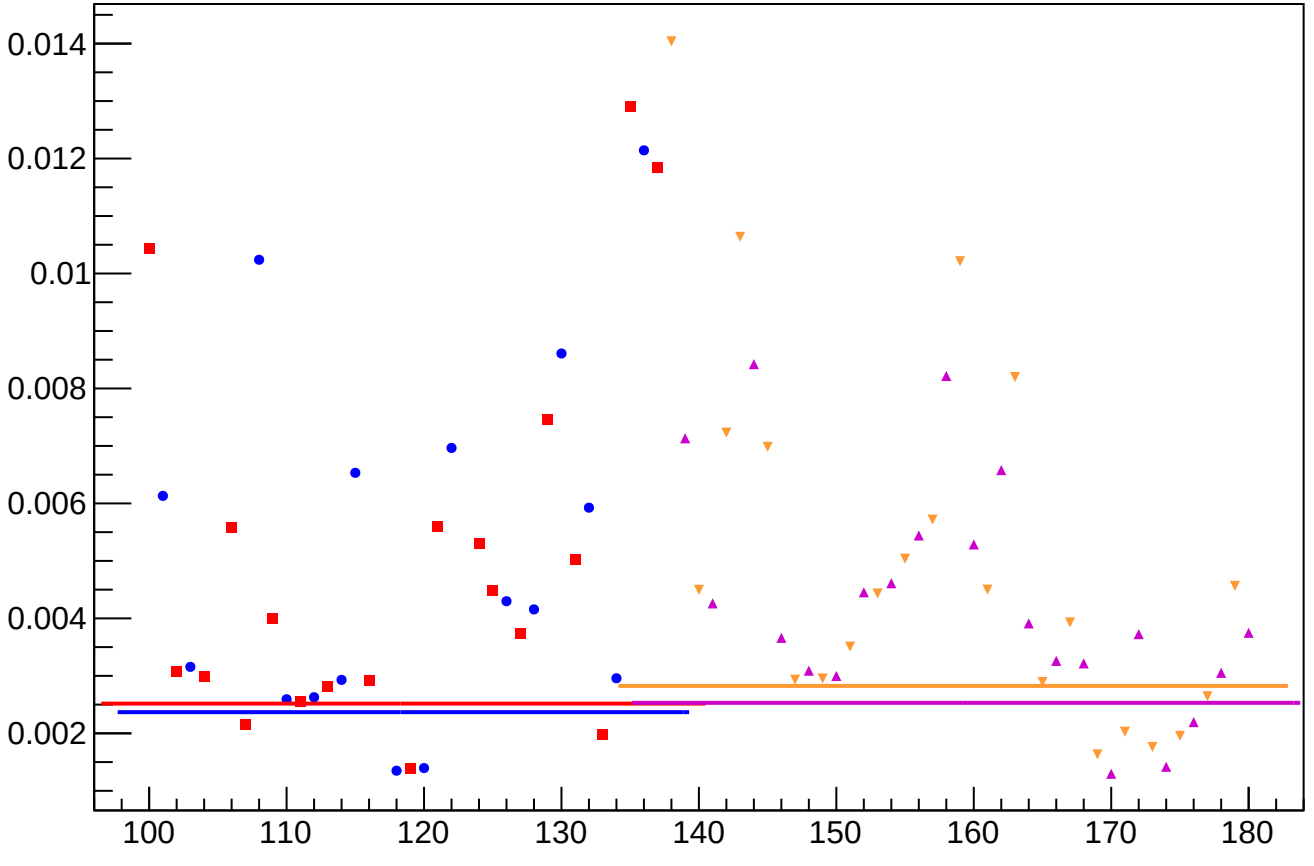
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.5/36

Out: 0.000+/-0.000 χ^2/NDF:51.6/40

All: -0.000+/-0.000 χ^2/NDF: 85.2/77

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:7872903.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7812124.0/20

Left: 0.003+/-0.000 χ^2/NDF: 15831922.5/42

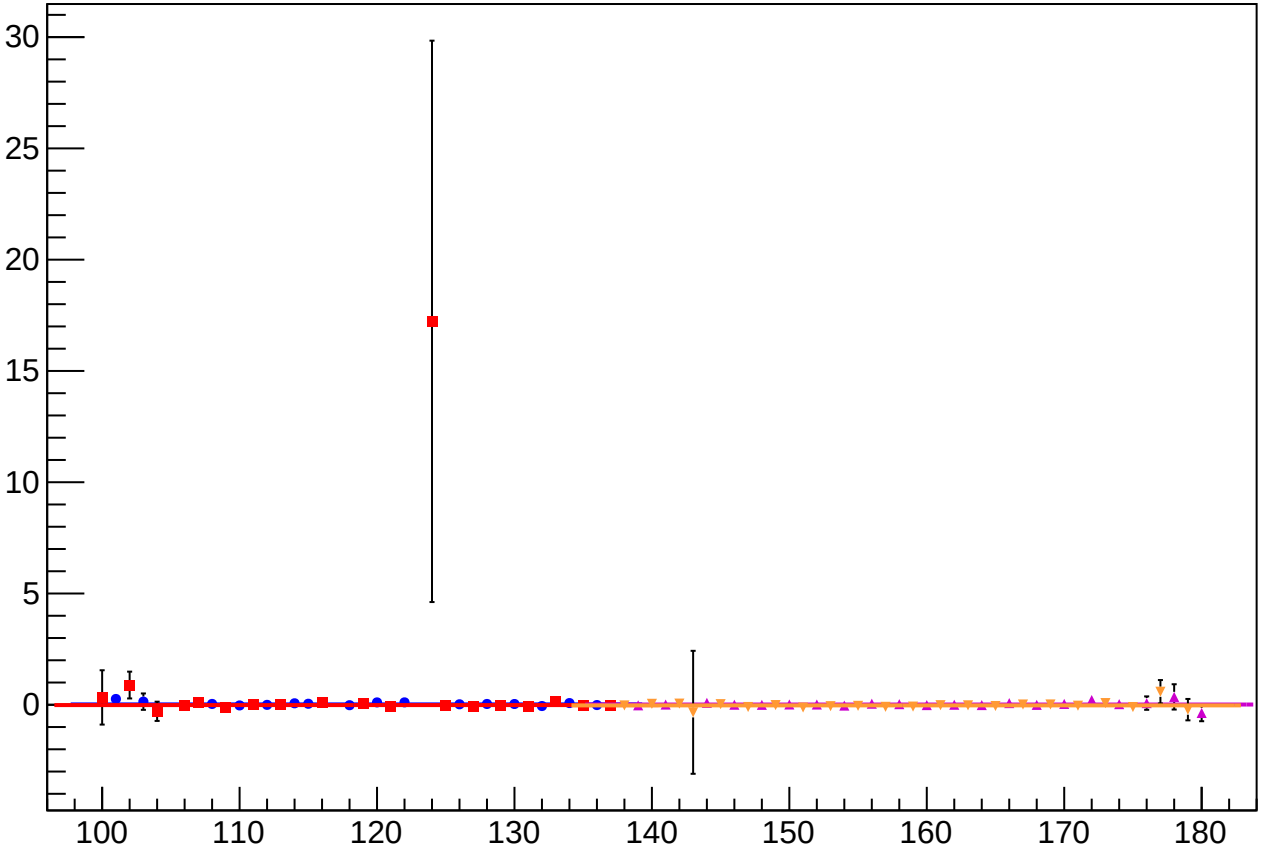
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12563618.9/36

Out: 0.003+/-0.000 χ^2/NDF:11377474.8/40

All: 0.003+/-0.000 χ^2/NDF: 24081159.5/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

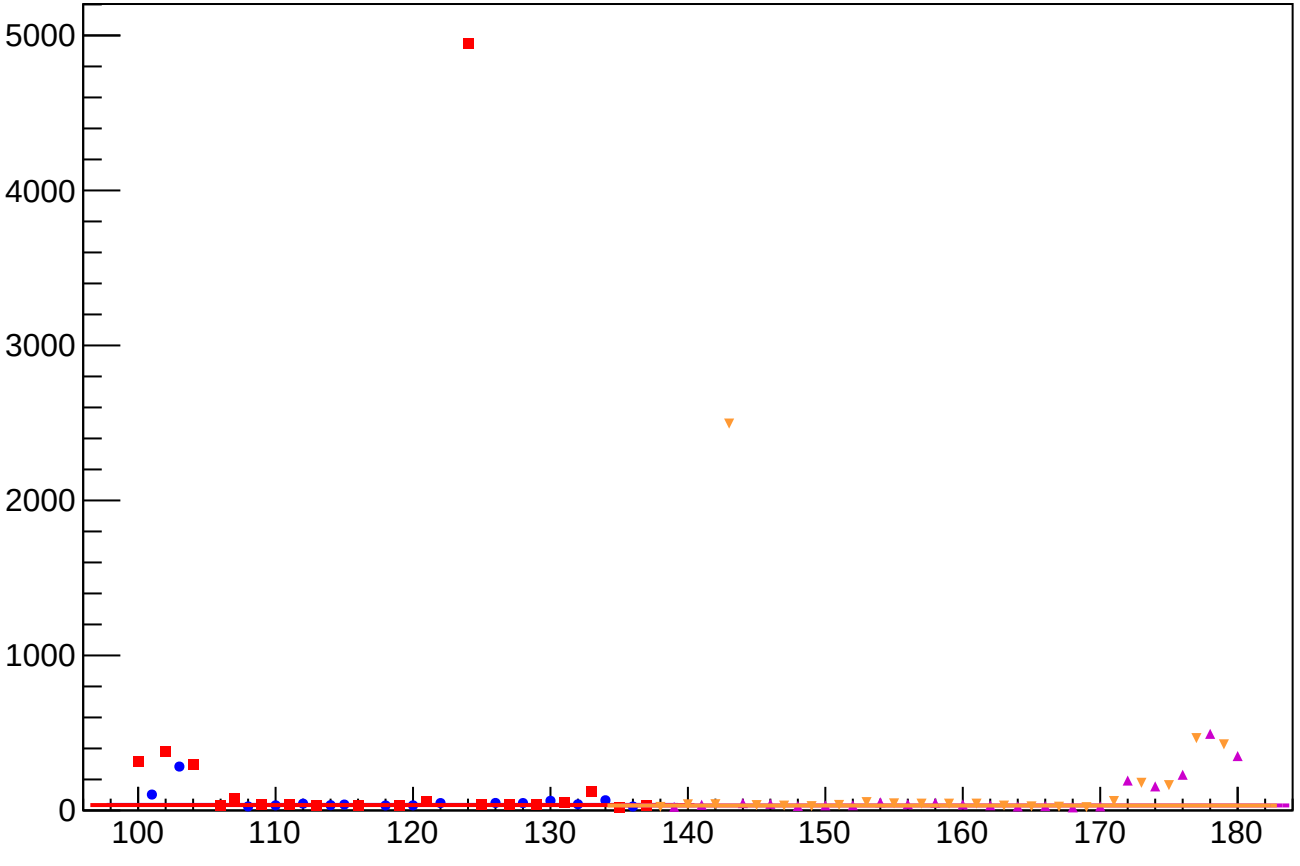
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

Left: 32.170+/-0.005 χ^2/NDF: 15458549.7/42

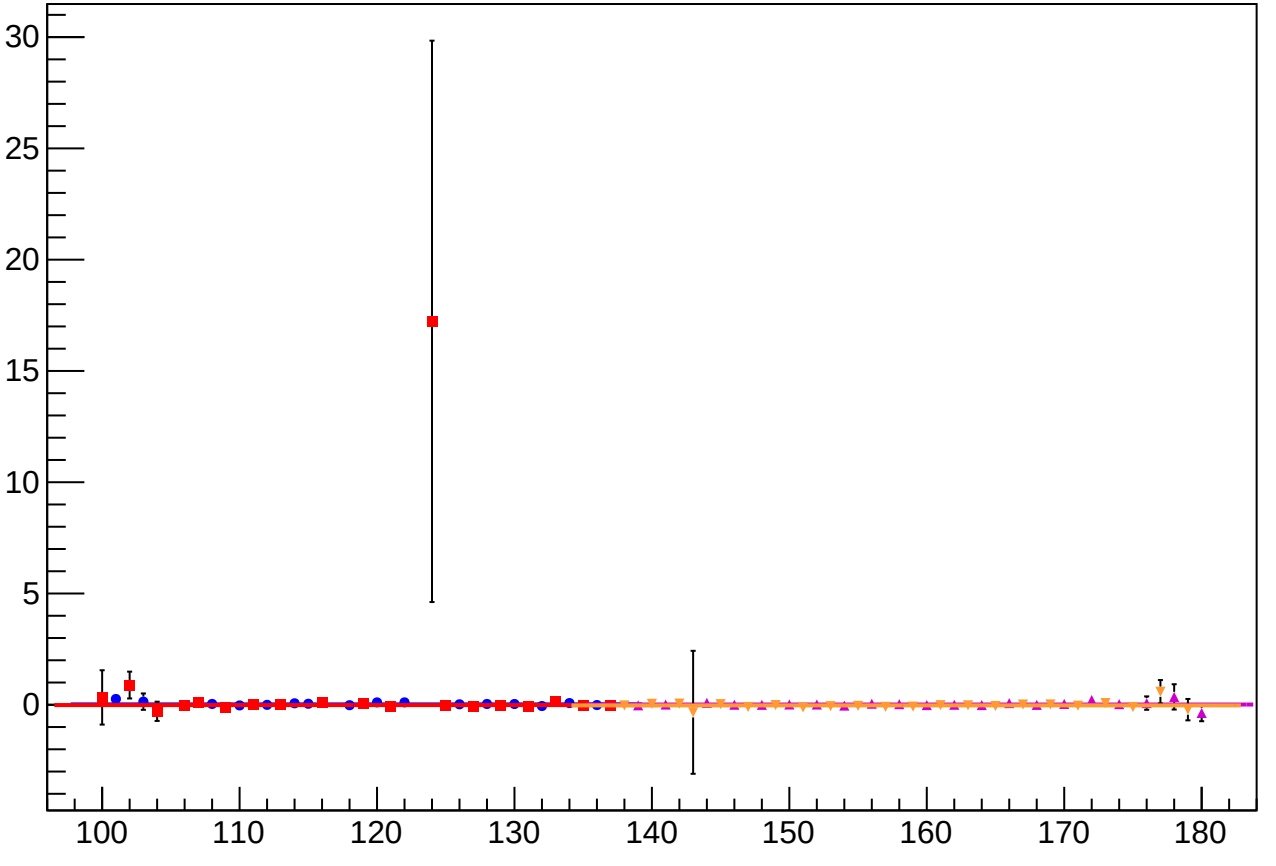
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.294+/-0.006 χ^2/NDF:9757526.8/36

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

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:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:12.1/20

Left: -0.008+/-0.007 χ^2/NDF: 45.7/42

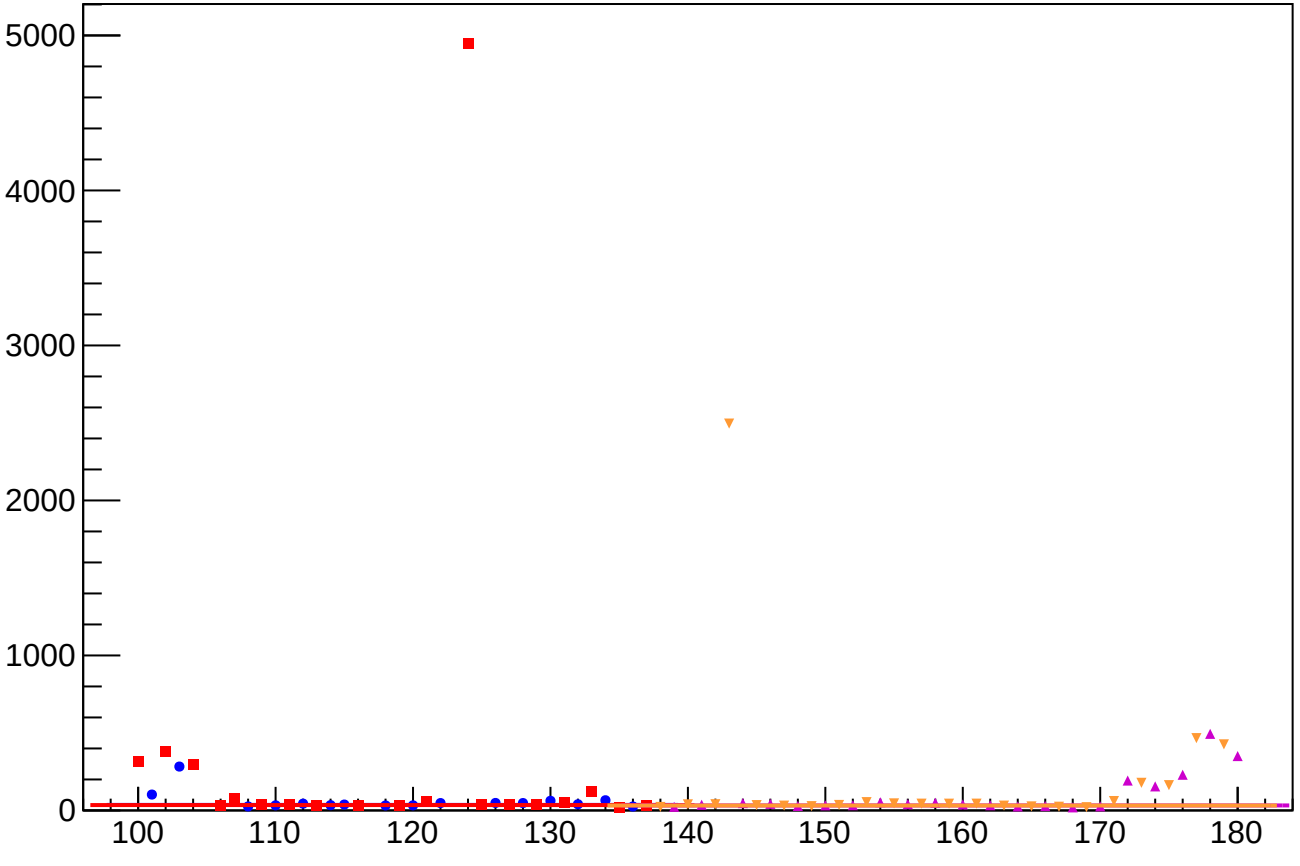
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:23.7/36

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 75.6/77

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.366+/-0.007 χ^2/NDF:7423692.4/20

Left: 32.170+/-0.005 χ^2/NDF: 15458549.7/42

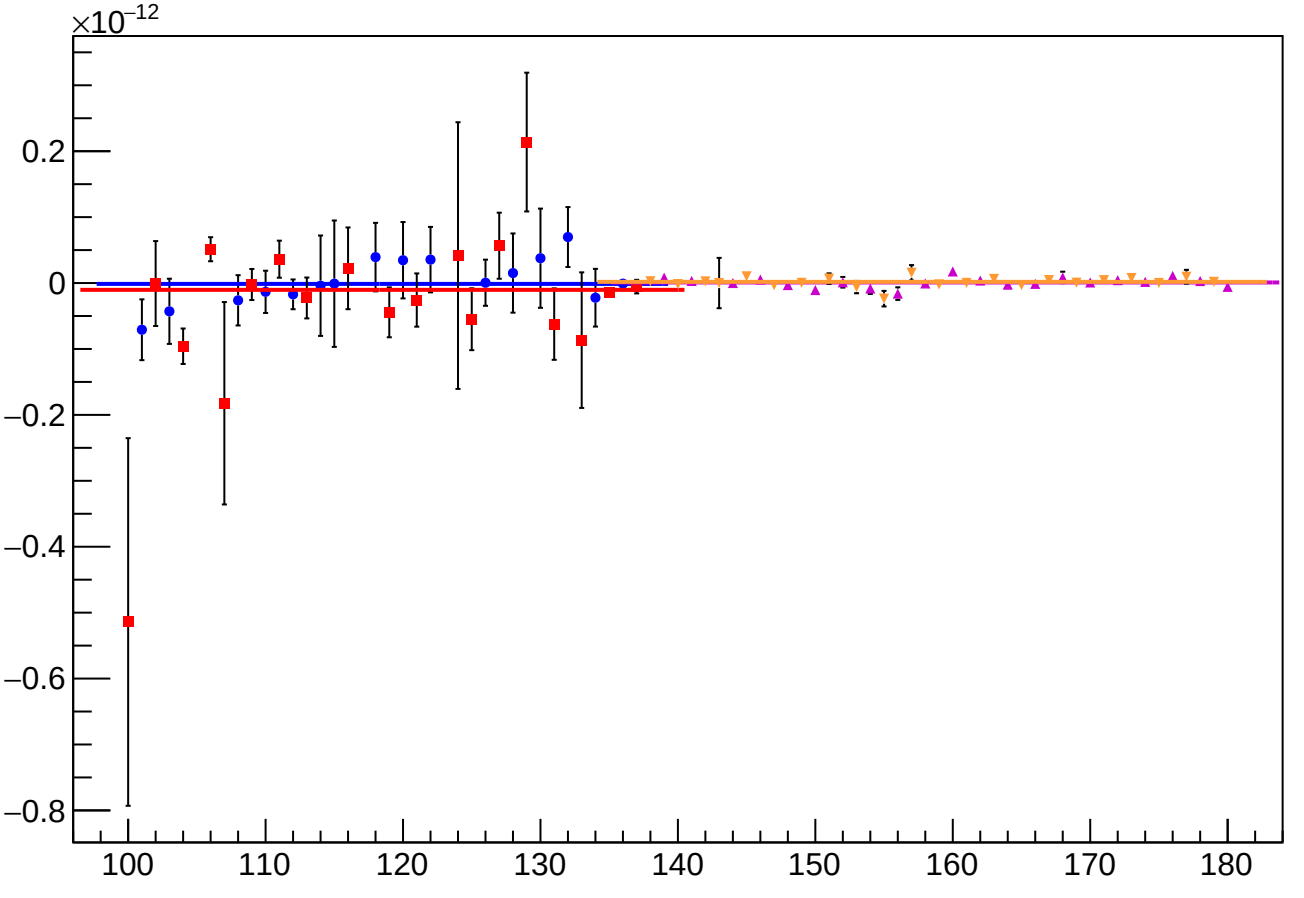
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.294+/-0.006 χ^2/NDF:9757526.8/36

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 33.018+/-0.004 χ^2/NDF: 20756951.0/77

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/20

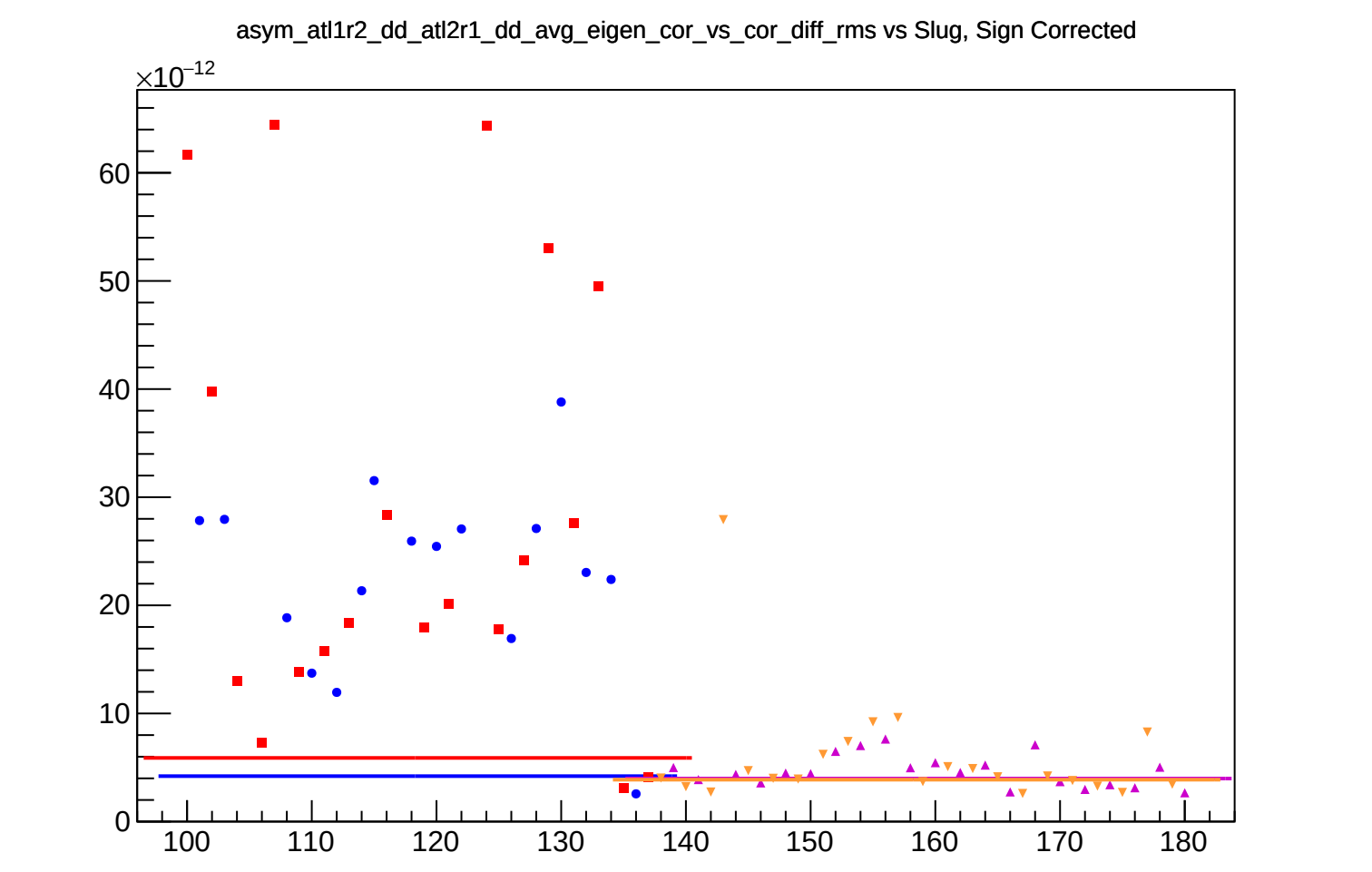
Left: 0.000+/-0.000 χ^2/NDF: 43.3/42

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:36.5/36

Out: 0.000+/-0.000 χ^2/NDF:63.1/40

All: 0.000+/-0.000 χ^2/NDF: 99.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3302086.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2055609.6/20

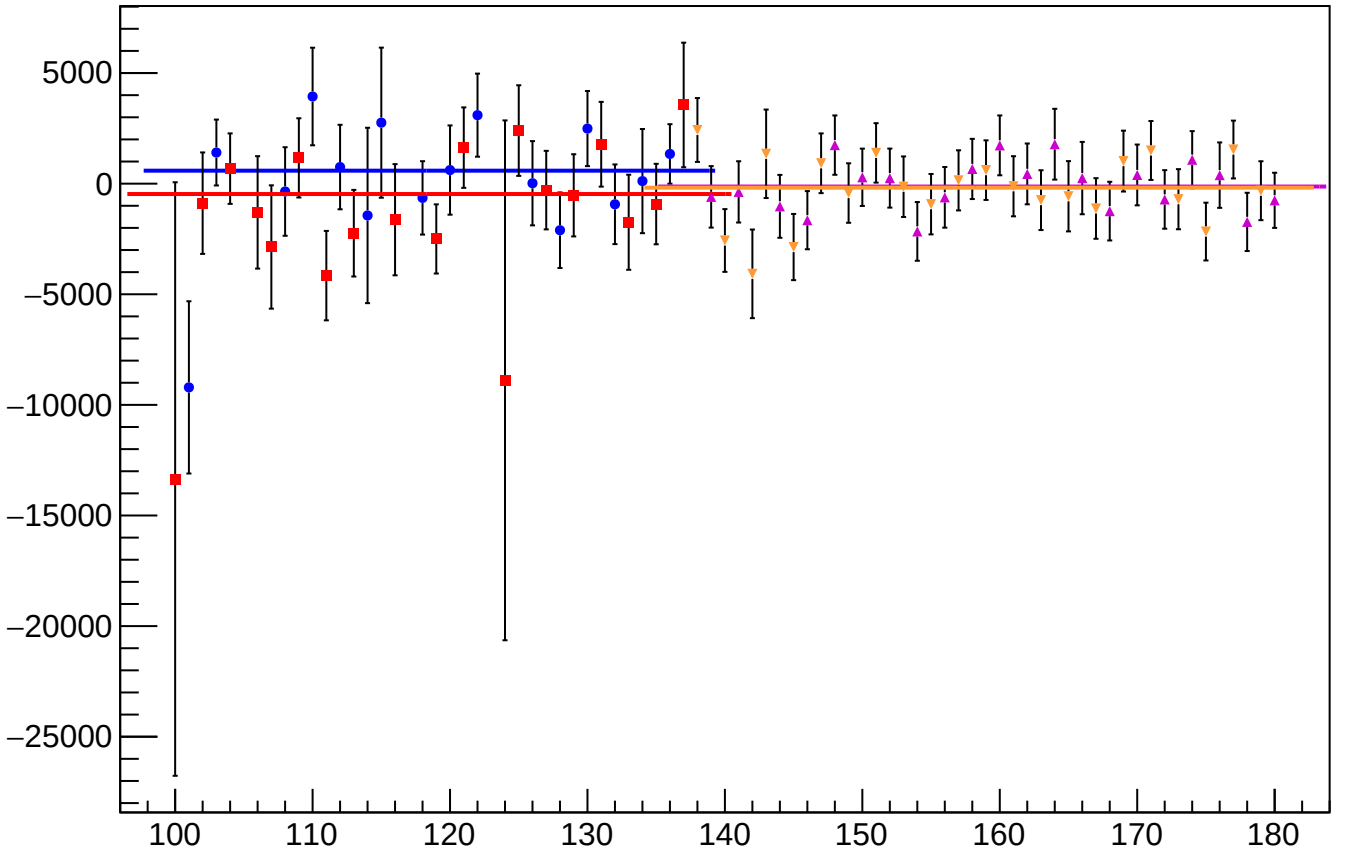
Left: 0.000+/-0.000 χ^2/NDF: 5365871.2/42

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:7143253.2/36

Out: 0.000+/-0.000 χ^2/NDF:8592833.7/40

All: 0.000+/-0.000 χ^2/NDF: 15736437.9/77



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -130.678+/-298.110 χ^2/NDF:14.1/20

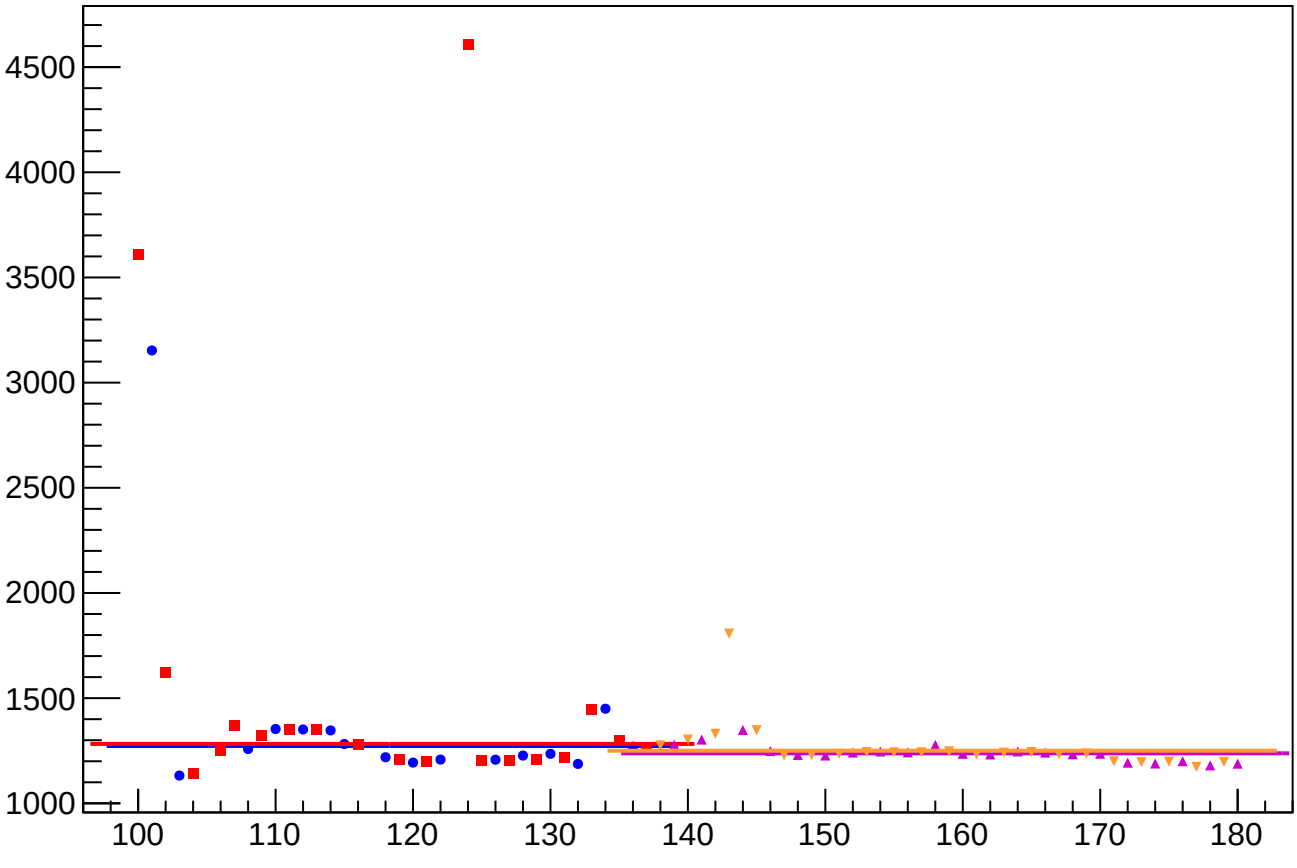
Left: -156.023+/-211.373 χ^2/NDF: 37.9/42

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 67.617+/-253.599 χ^2/NDF:32.8/36

Out: -262.147+/-254.324 χ^2/NDF:40.8/40

All: -96.795+/-179.578 χ^2/NDF: 74.5/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

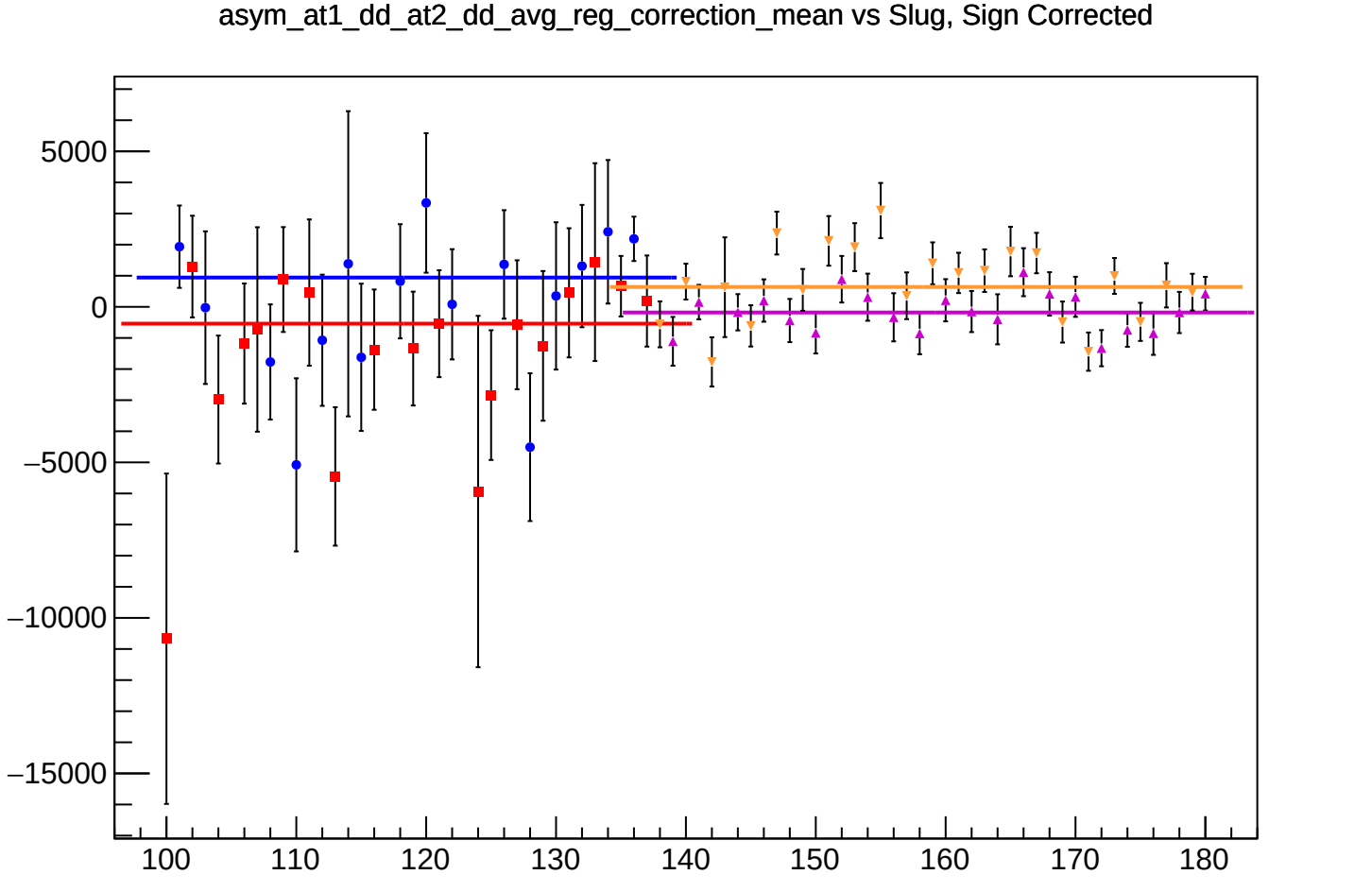
Left: 1243.888+/-0.149 χ^2/NDF: 227390.2/42

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1247.403+/-0.179 χ^2/NDF:560856.9/36

Out: 1259.168+/-0.180 χ^2/NDF:520315.8/40

All: 1253.269+/-0.127 χ^2/NDF: 1083318.7/77



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 639.461+/-147.684 χ^2/NDF:61.3/21

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -181.815+/-144.242 χ^2/NDF:18.4/20

Left: 219.142+/-103.190 χ^2/NDF: 95.6/42

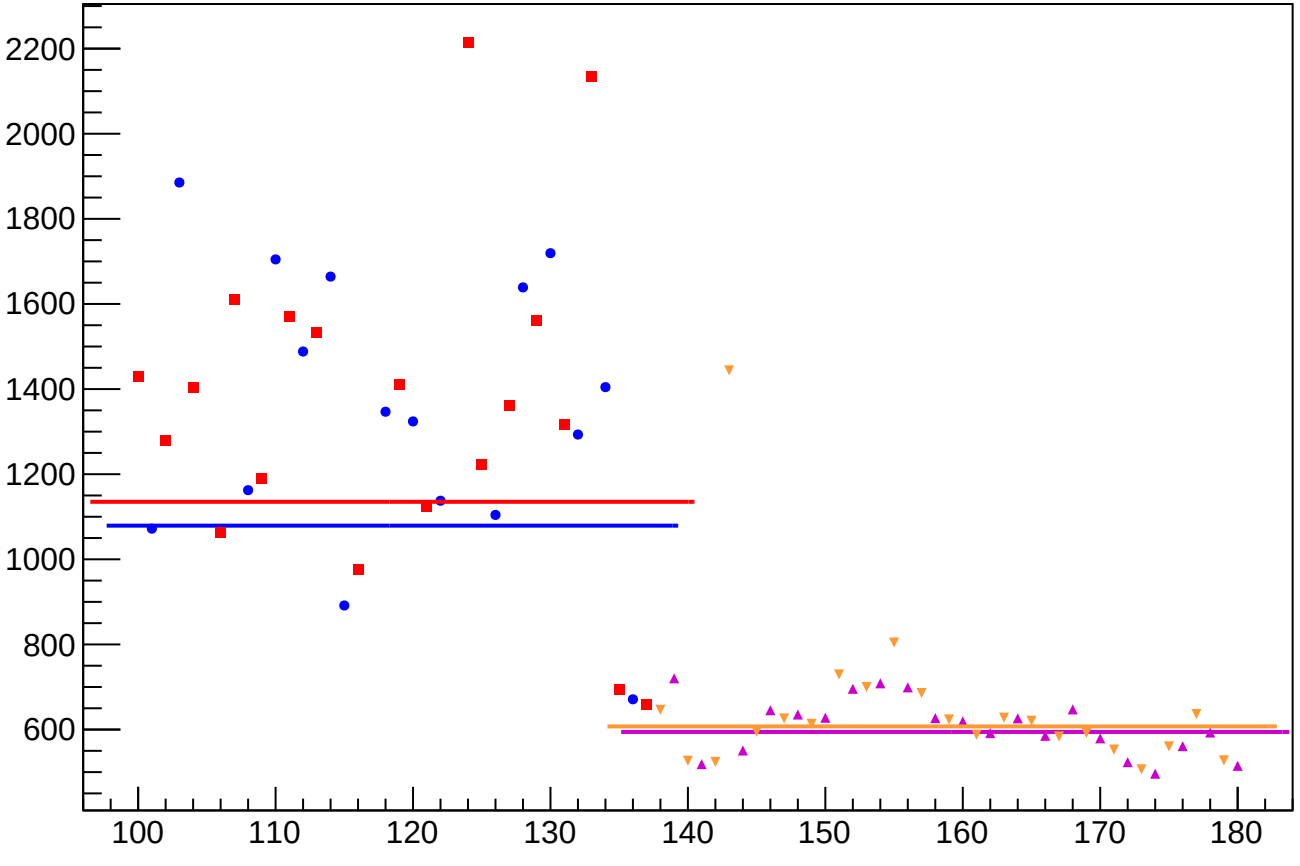
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -66.170+/-136.618 χ^2/NDF:44.6/36

Out: 519.930+/-140.005 χ^2/NDF:84.9/40

All: 219.705+/-97.779 χ^2/NDF: 138.5/77

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: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 594.333+/-0.102 χ^2/NDF:409041.5/20

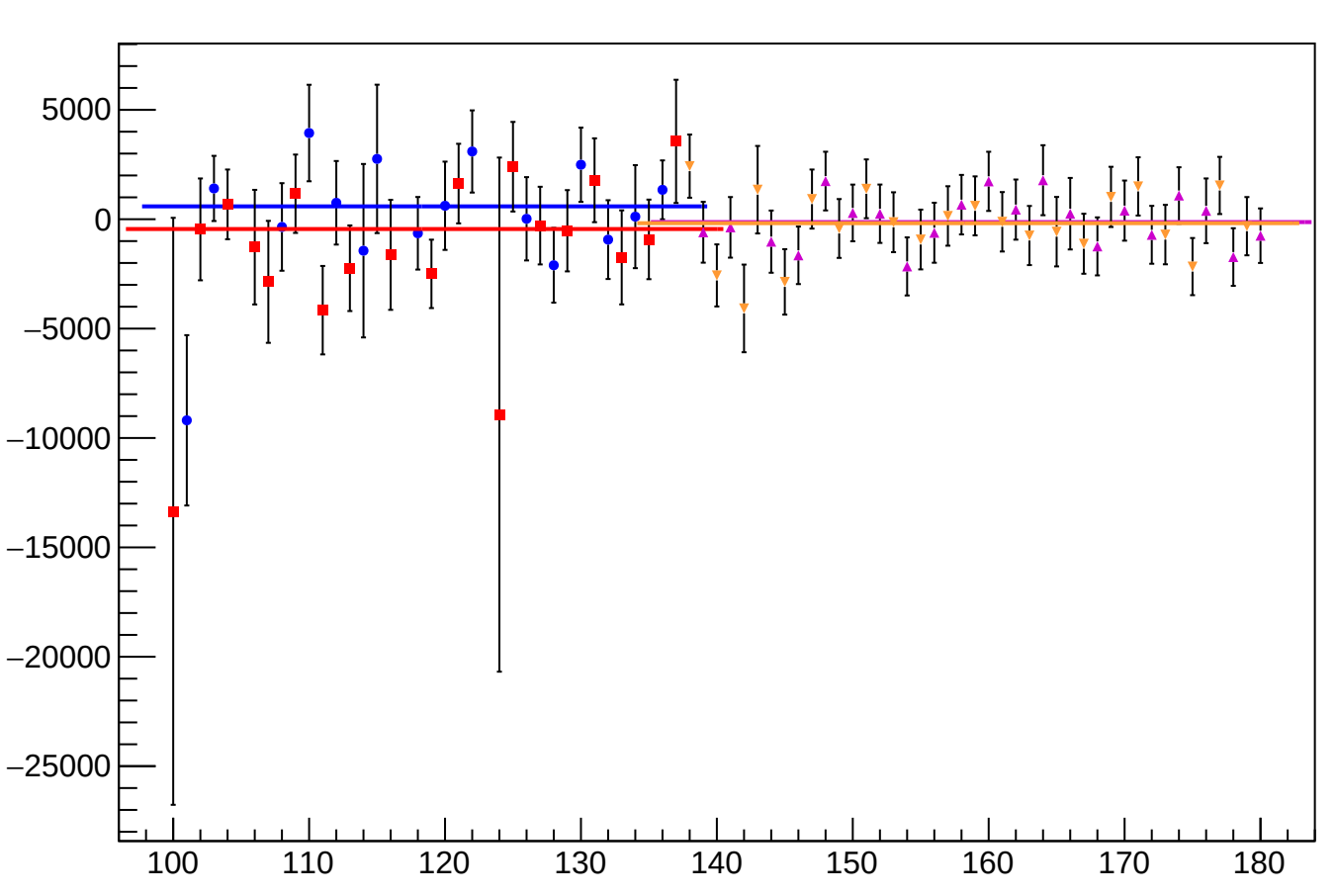
Left: 600.690+/-0.073 χ^2/NDF: 1364144.6/42

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 644.230+/-0.097 χ^2/NDF:4216545.8/36

Out: 660.816+/-0.099 χ^2/NDF:4827737.9/40

All: 652.320+/-0.069 χ^2/NDF: 9058661.3/77



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -130.707+/-298.110 χ^2/NDF:14.1/20

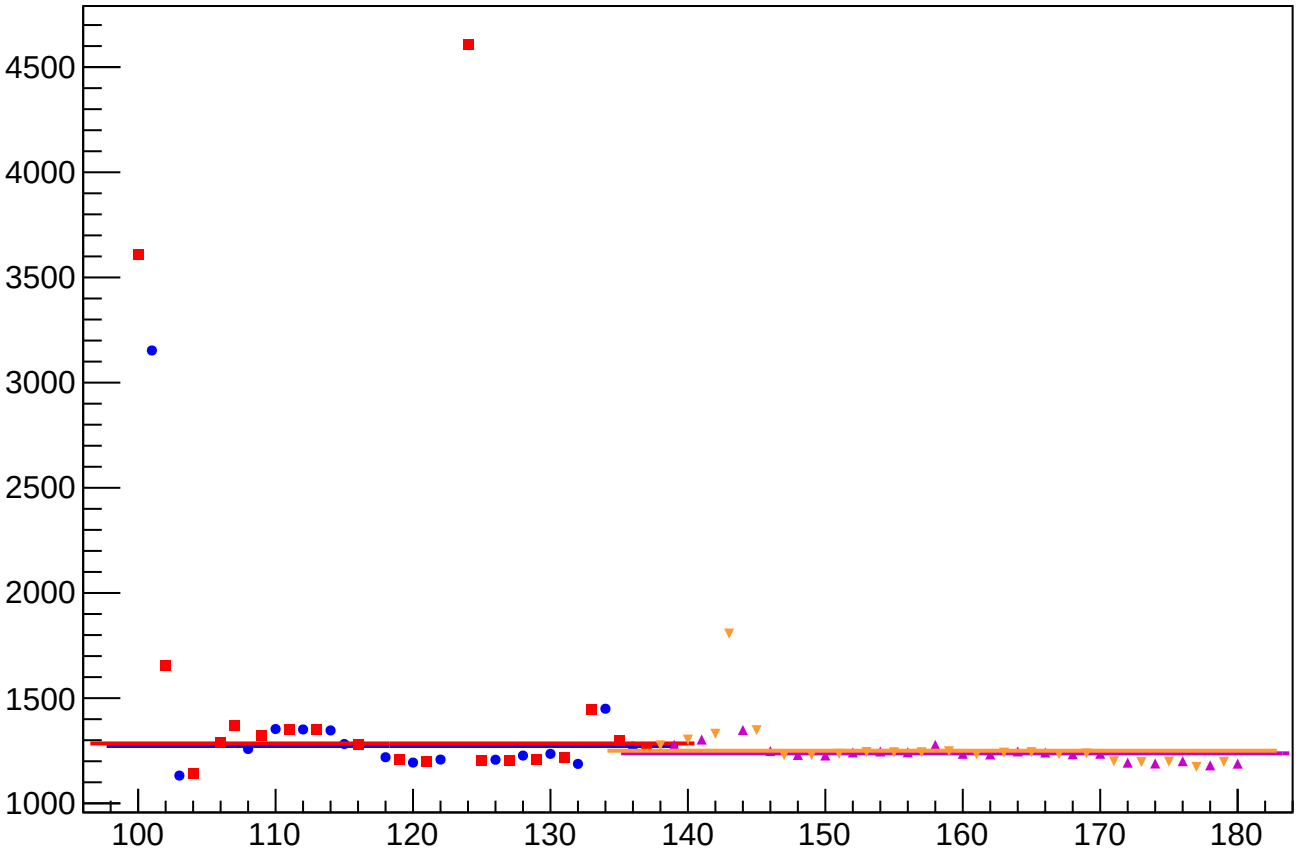
Left: -156.054+/-211.373 χ^2/NDF: 37.9/42

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 67.684+/-253.599 χ^2/NDF:32.8/36

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -93.728+/-179.620 χ^2/NDF: 74.4/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

Left: 1243.888+/-0.149 χ^2/NDF: 227390.1/42

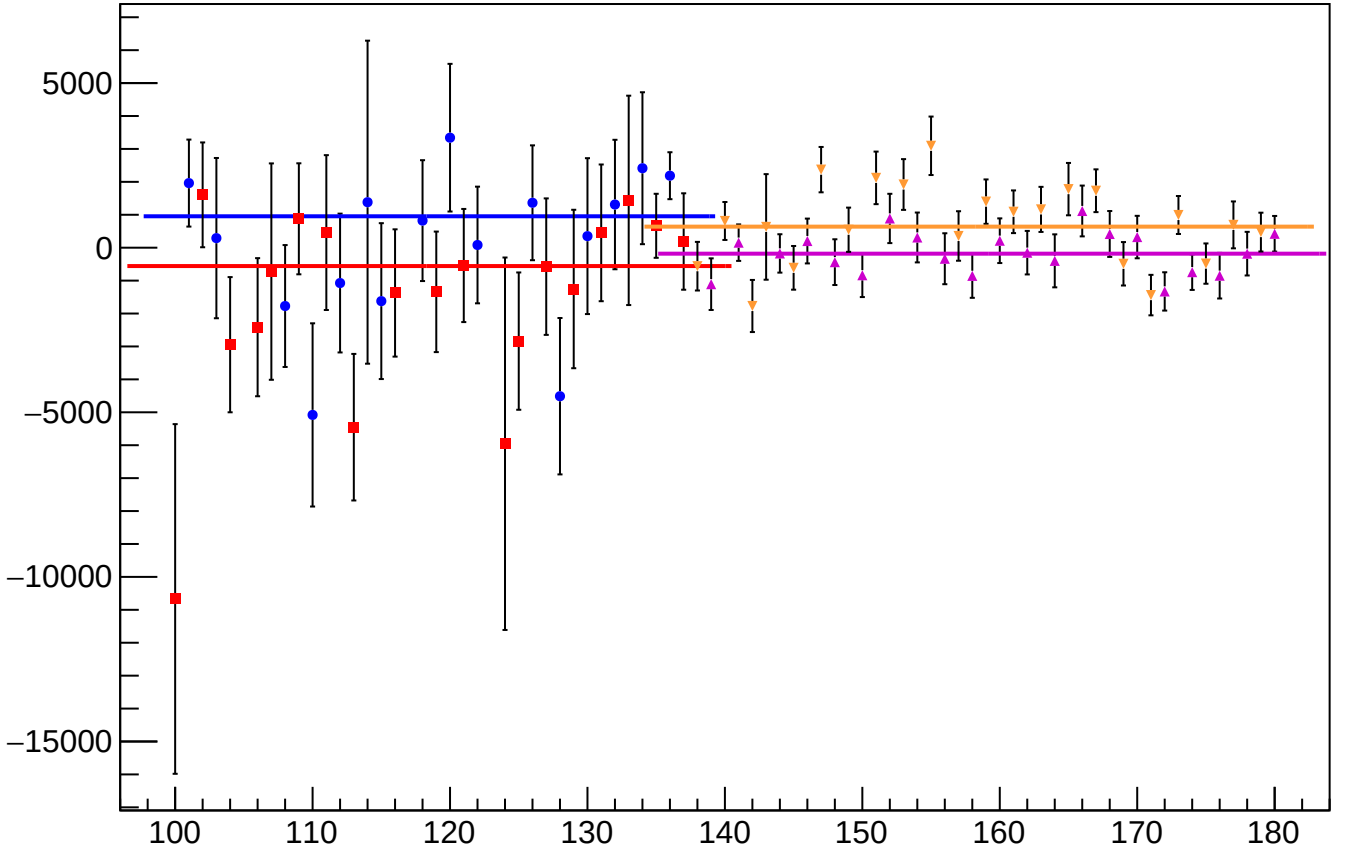
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1247.403+/-0.179 χ^2/NDF:560858.2/36

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.785+/-144.242 χ^2/NDF:18.4/20

Left: 219.176+/-103.190 χ^2/NDF: 95.6/42

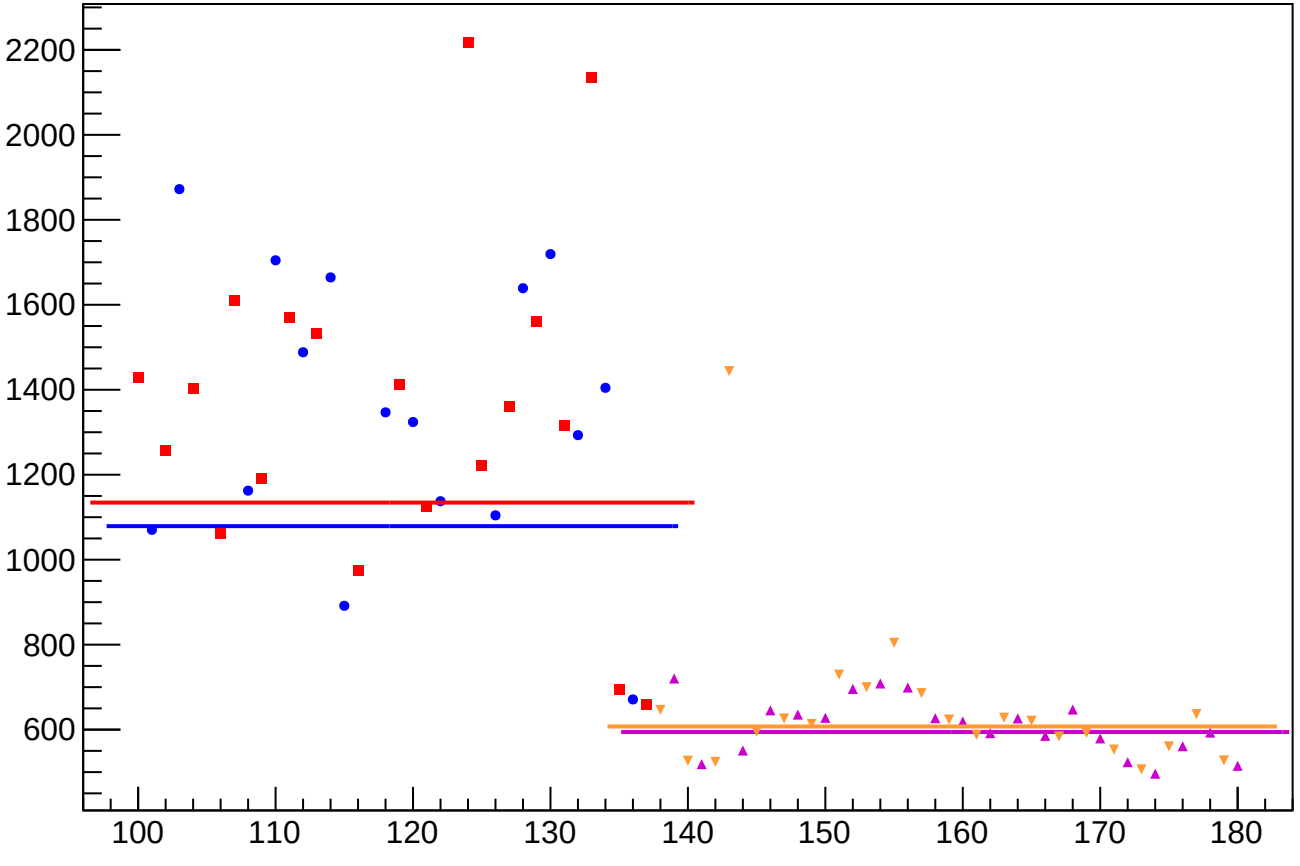
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -64.782+/-136.611 χ^2/NDF:44.7/36

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 219.714+/-97.786 χ^2/NDF: 139.9/77

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: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

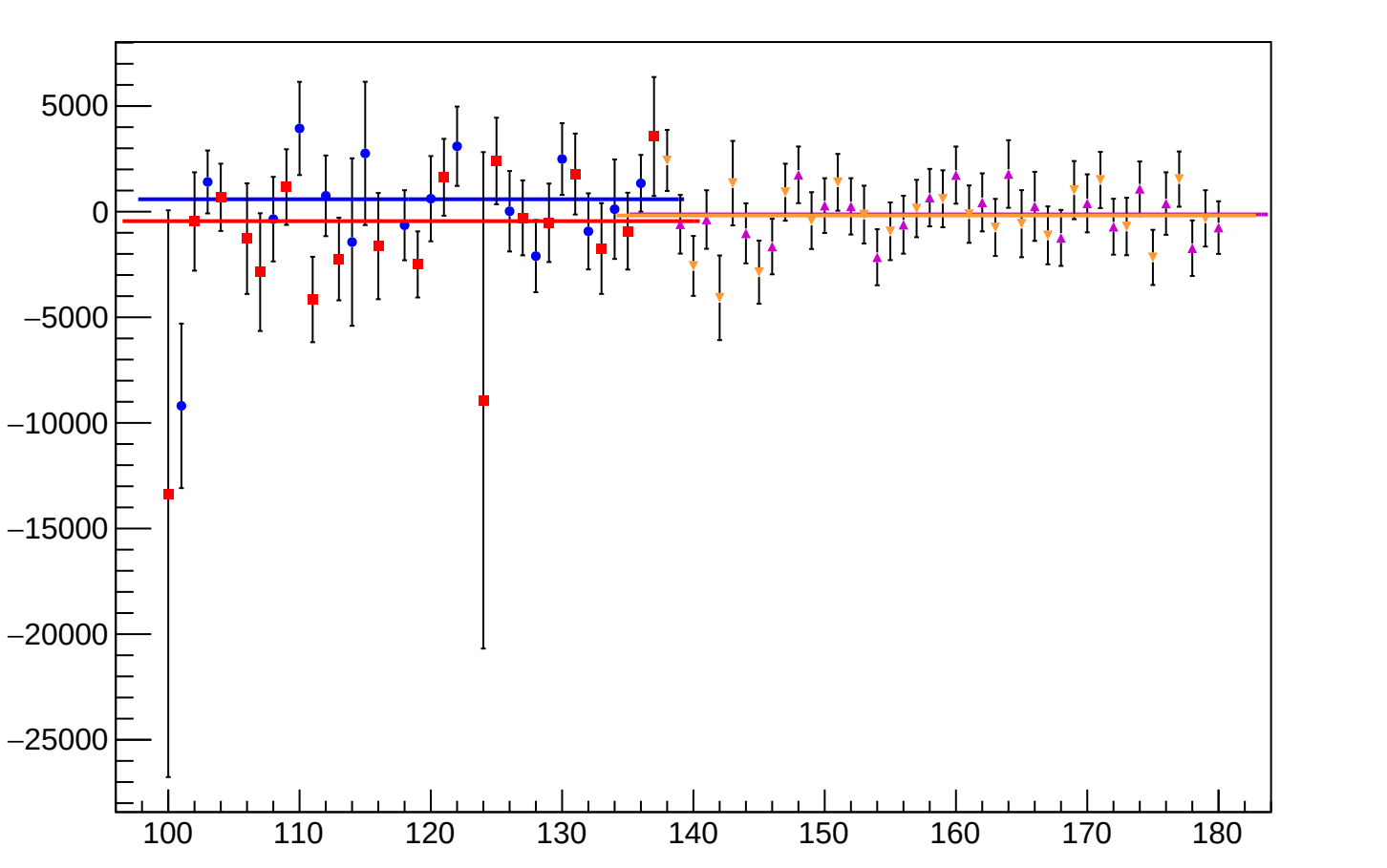
Left: 600.689+/-0.073 χ^2/NDF: 1364155.0/42

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 644.245+/-0.097 χ^2/NDF:4213006.8/36

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -130.707+/-298.110 χ^2/NDF:14.1/20

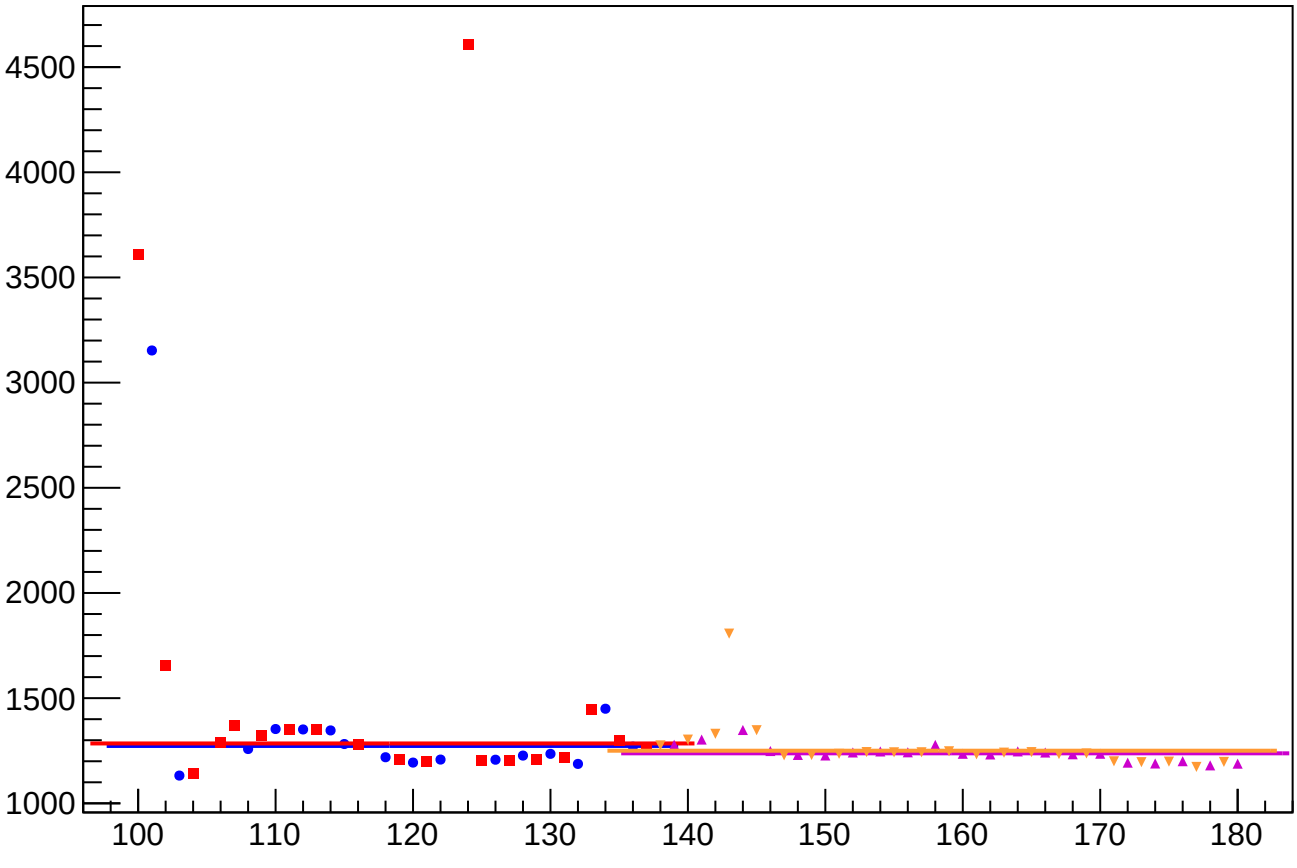
Left: -156.054+/-211.373 χ^2/NDF: 37.9/42

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 67.684+/-253.599 χ^2/NDF:32.8/36

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -93.728+/-179.620 χ^2/NDF: 74.4/77



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1237.704+/-0.211 χ^2/NDF:33897.0/20

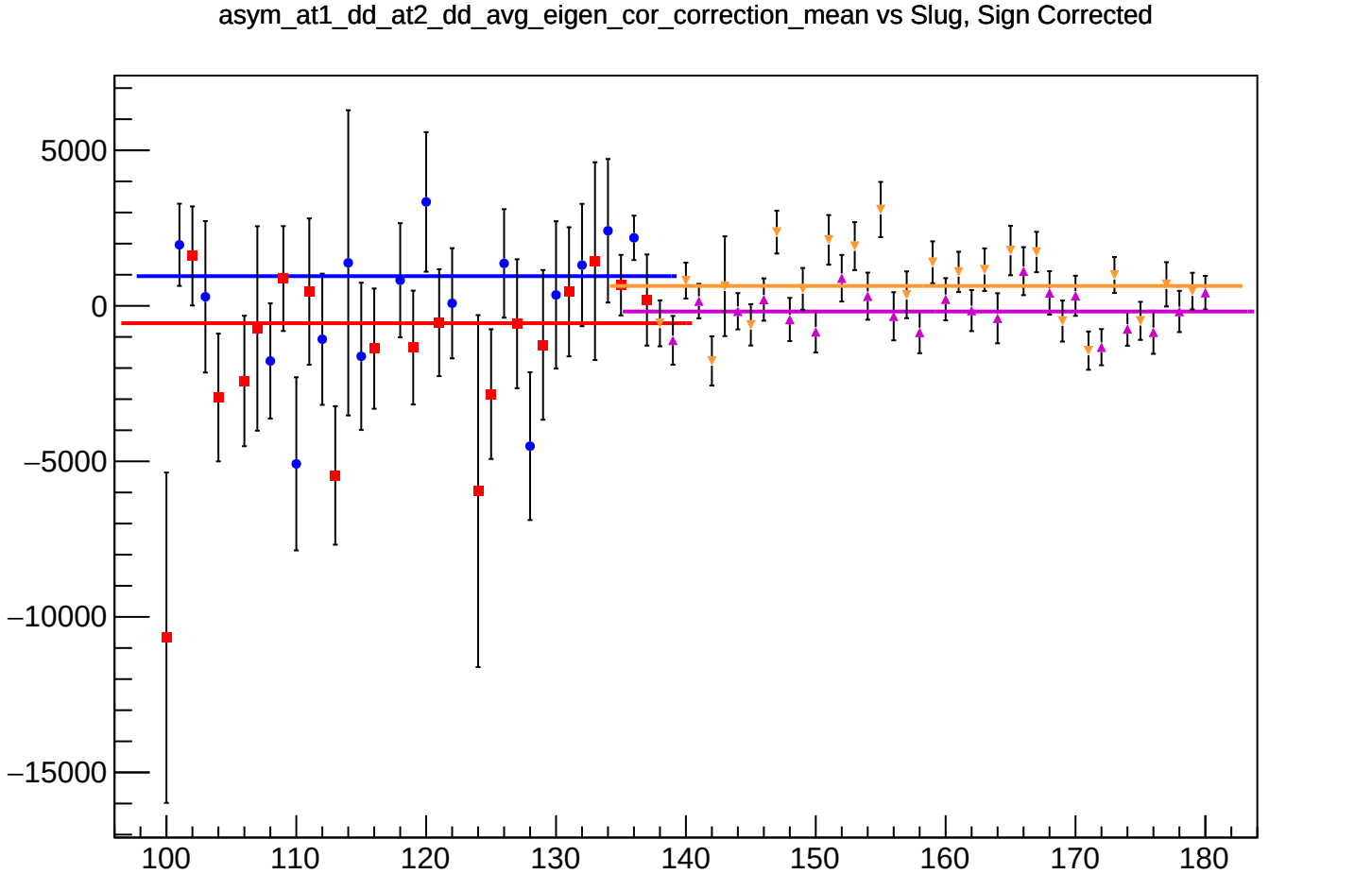
Left: 1243.888+/-0.149 χ^2/NDF: 227390.1/42

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1247.403+/-0.179 χ^2/NDF:560858.2/36

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1253.574+/-0.127 χ^2/NDF: 1091141.0/77



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.785+/-144.242 χ^2/NDF:18.4/20

Left: 219.176+/-103.190 χ^2/NDF: 95.6/42

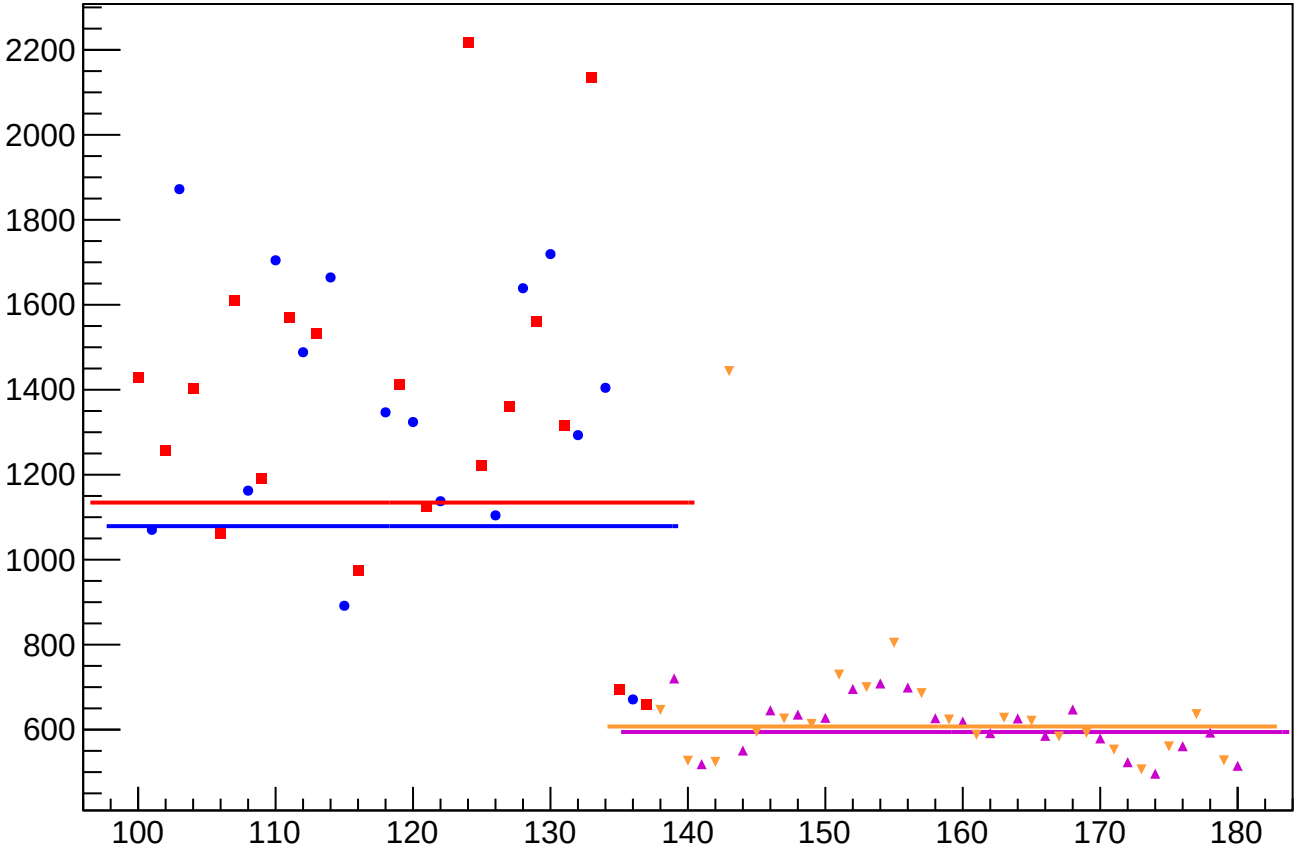
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -64.782+/-136.611 χ^2/NDF:44.7/36

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 219.714+/-97.786 χ^2/NDF: 139.9/77

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: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 594.330+/-0.102 χ^2/NDF:409059.0/20

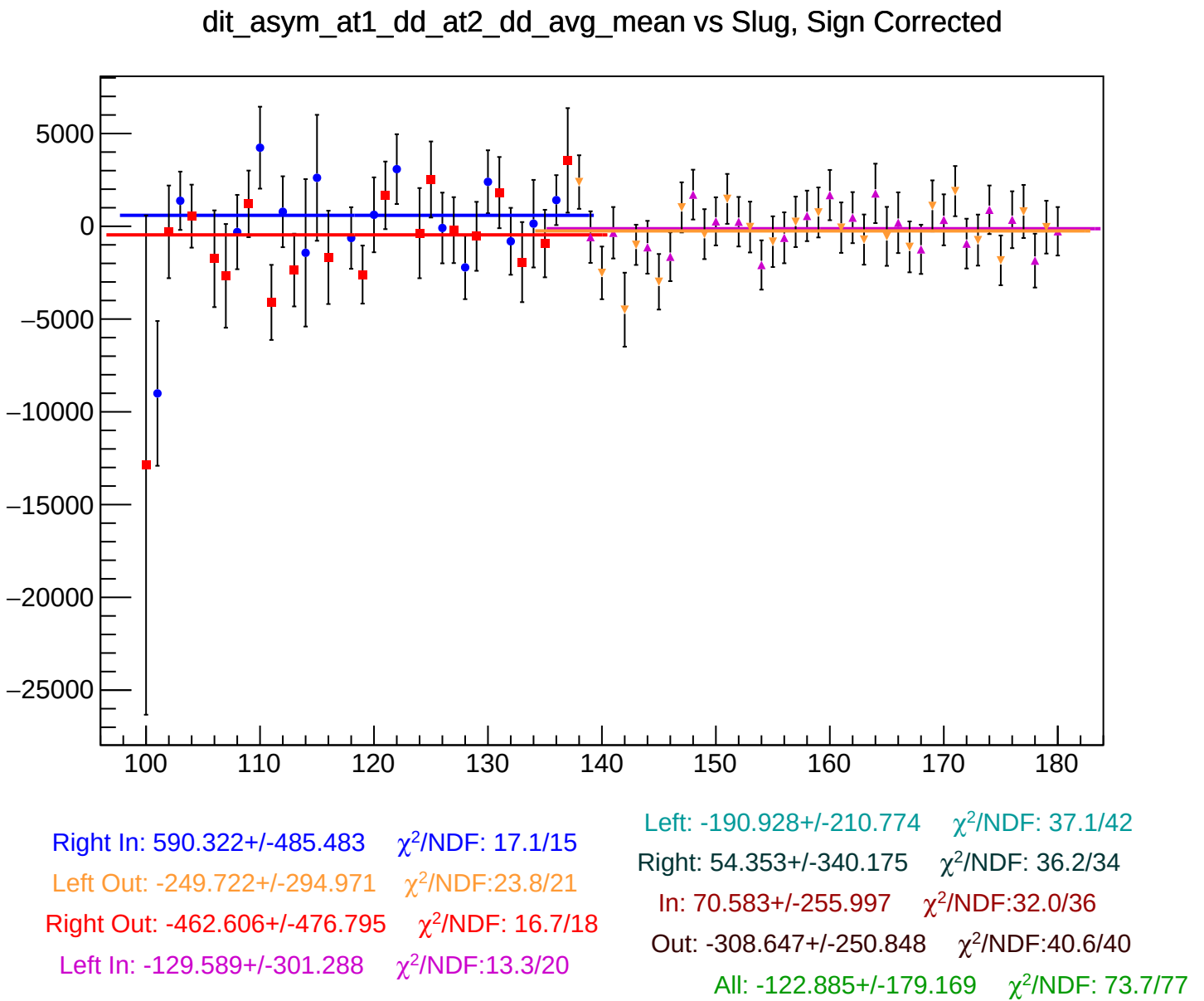
Left: 600.689+/-0.073 χ^2/NDF: 1364155.0/42

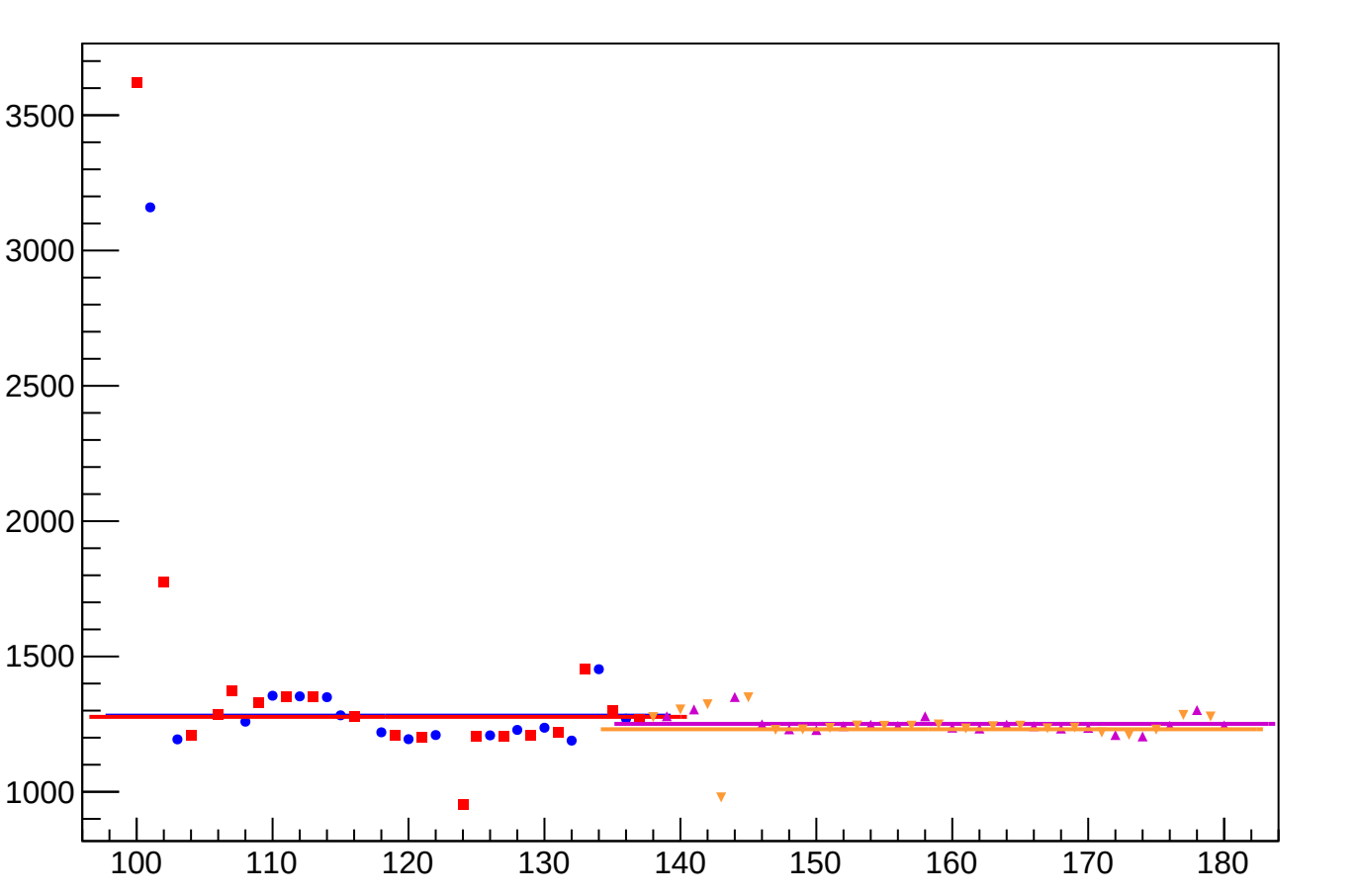
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 644.245+/-0.097 χ^2/NDF:4213006.8/36

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 652.199+/-0.069 χ^2/NDF: 9034295.9/77


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
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -249.722+/-294.971 χ²/NDF:23.8/21
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -129.589+/-301.288 χ²/NDF:13.3/20
Left: -190.928+/-210.774 χ²/NDF: 37.1/42
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 70.583+/-255.997 χ²/NDF:32.0/36
Out: -308.647+/-250.848 χ²/NDF:40.6/40
All: -122.885+/-179.169 χ²/NDF: 73.7/77



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.042+/-0.213 χ^2/NDF:23686.5/20

Left: 1240.844+/-0.149 χ^2/NDF: 166831.8/42

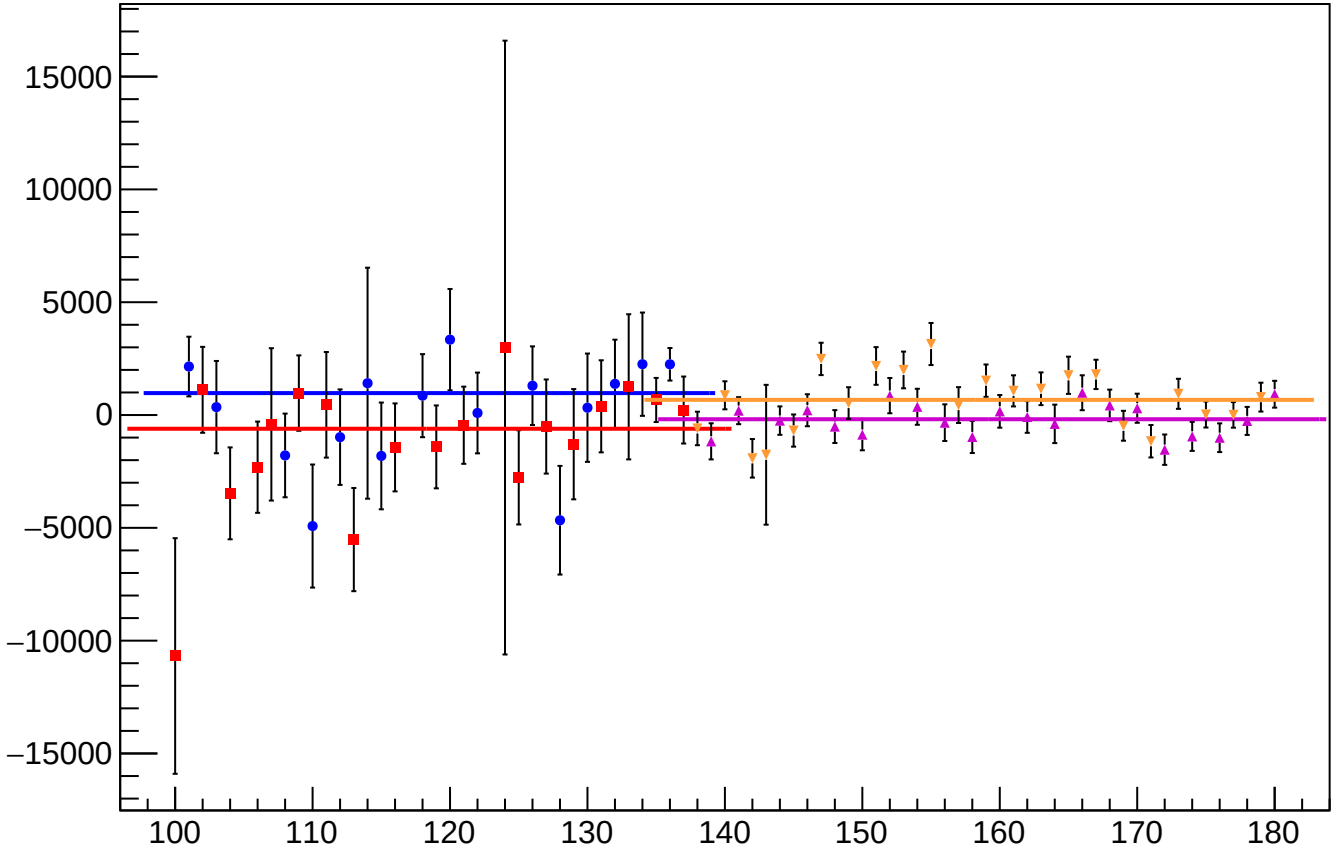
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.474+/-0.181 χ^2/NDF:536399.4/36

Out: 1243.744+/-0.177 χ^2/NDF:372512.3/40

All: 1251.450+/-0.127 χ^2/NDF: 912763.9/77

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: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -186.286+/-151.674 χ^2/NDF:21.4/20

Left: 237.682+/-107.964 χ^2/NDF: 92.6/42

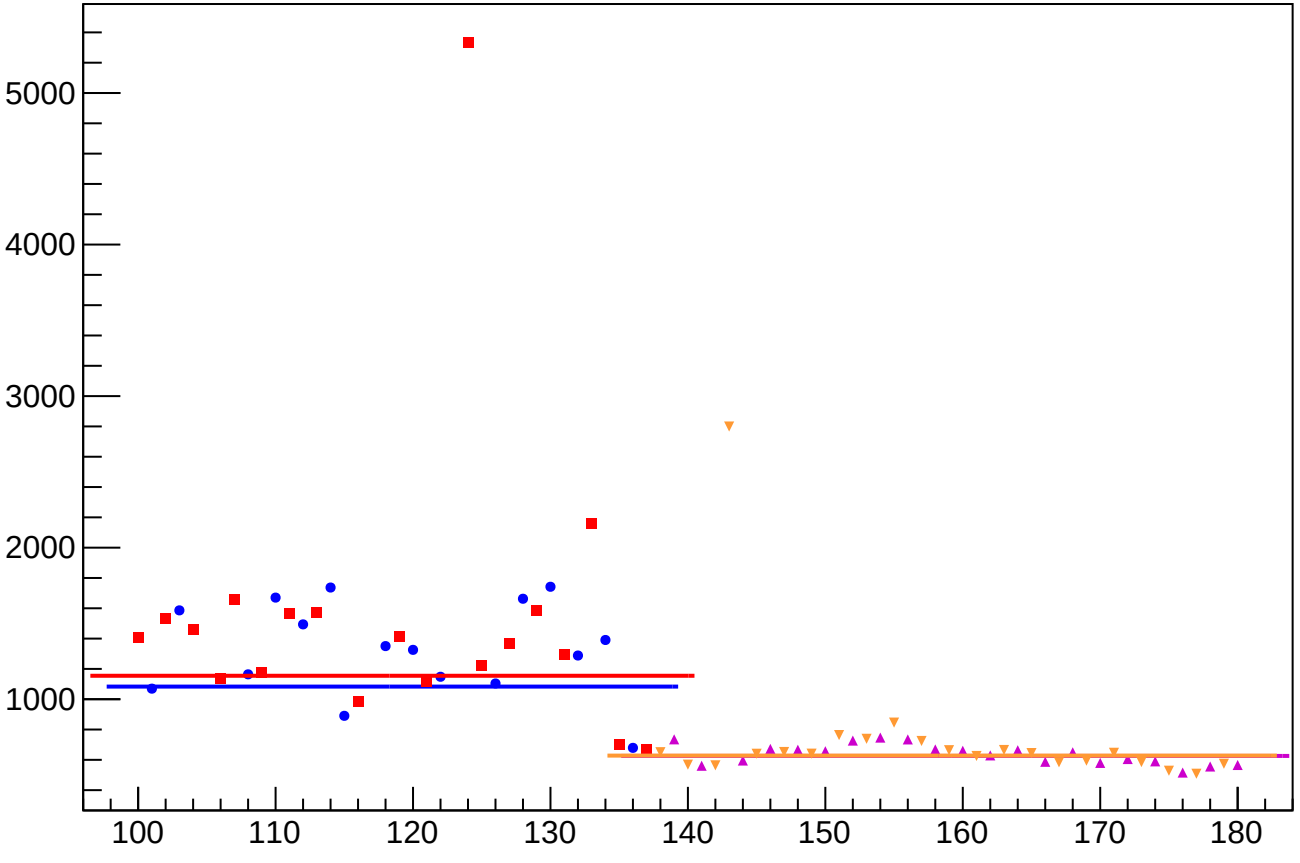
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -55.516+/-142.858 χ^2/NDF:48.5/36

Out: 538.002+/-145.384 χ^2/NDF:79.7/40

All: 236.042+/-101.897 χ^2/NDF: 136.7/77

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: 627.907+/-0.109 χ^2/NDF:1443082.4/21

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 625.775+/-0.107 χ^2/NDF:346031.4/20

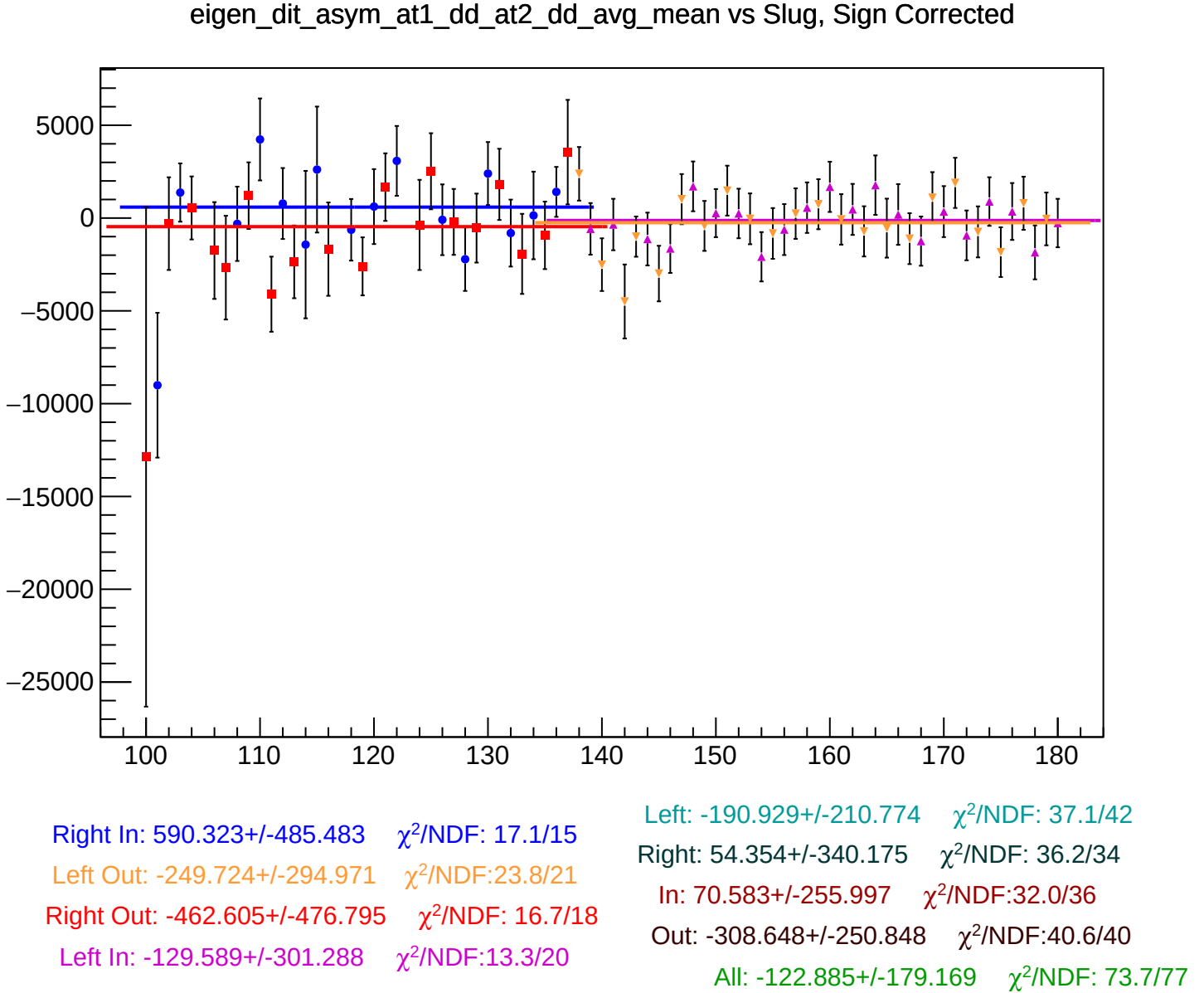
Left: 626.827+/-0.076 χ^2/NDF: 1789308.7/42

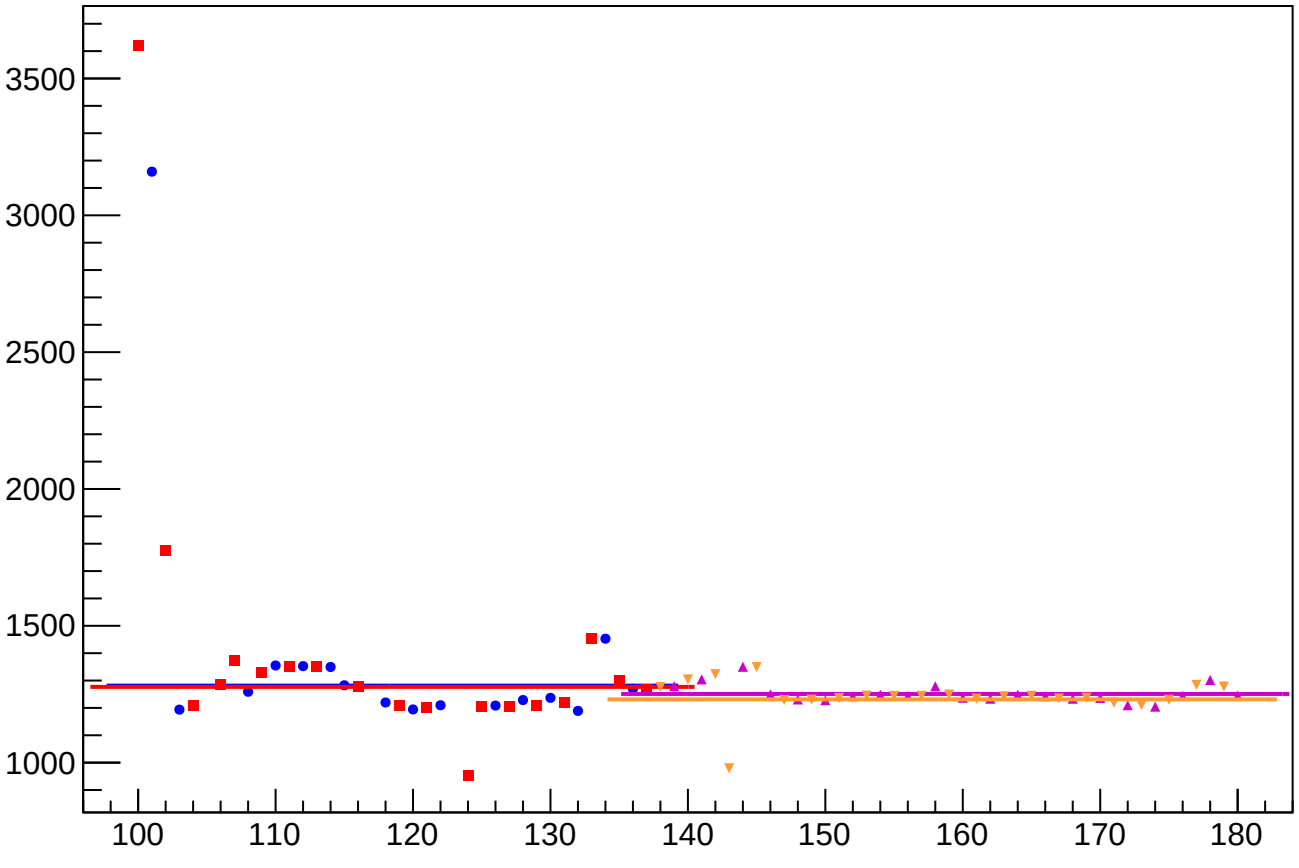
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 677.421+/-0.101 χ^2/NDF:3760591.5/36

Out: 683.453+/-0.103 χ^2/NDF:5408357.6/40

All: 680.384+/-0.072 χ^2/NDF: 9170700.9/77


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -249.724+/-294.971 χ²/NDF:23.8/21
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -129.589+/-301.288 χ²/NDF:13.3/20
Left: -190.929+/-210.774 χ²/NDF: 37.1/42
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 70.583+/-255.997 χ²/NDF:32.0/36
Out: -308.648+/-250.848 χ²/NDF:40.6/40
All: -122.885+/-179.169 χ²/NDF: 73.7/77



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.041+/-0.213 χ^2/NDF:23686.5/20

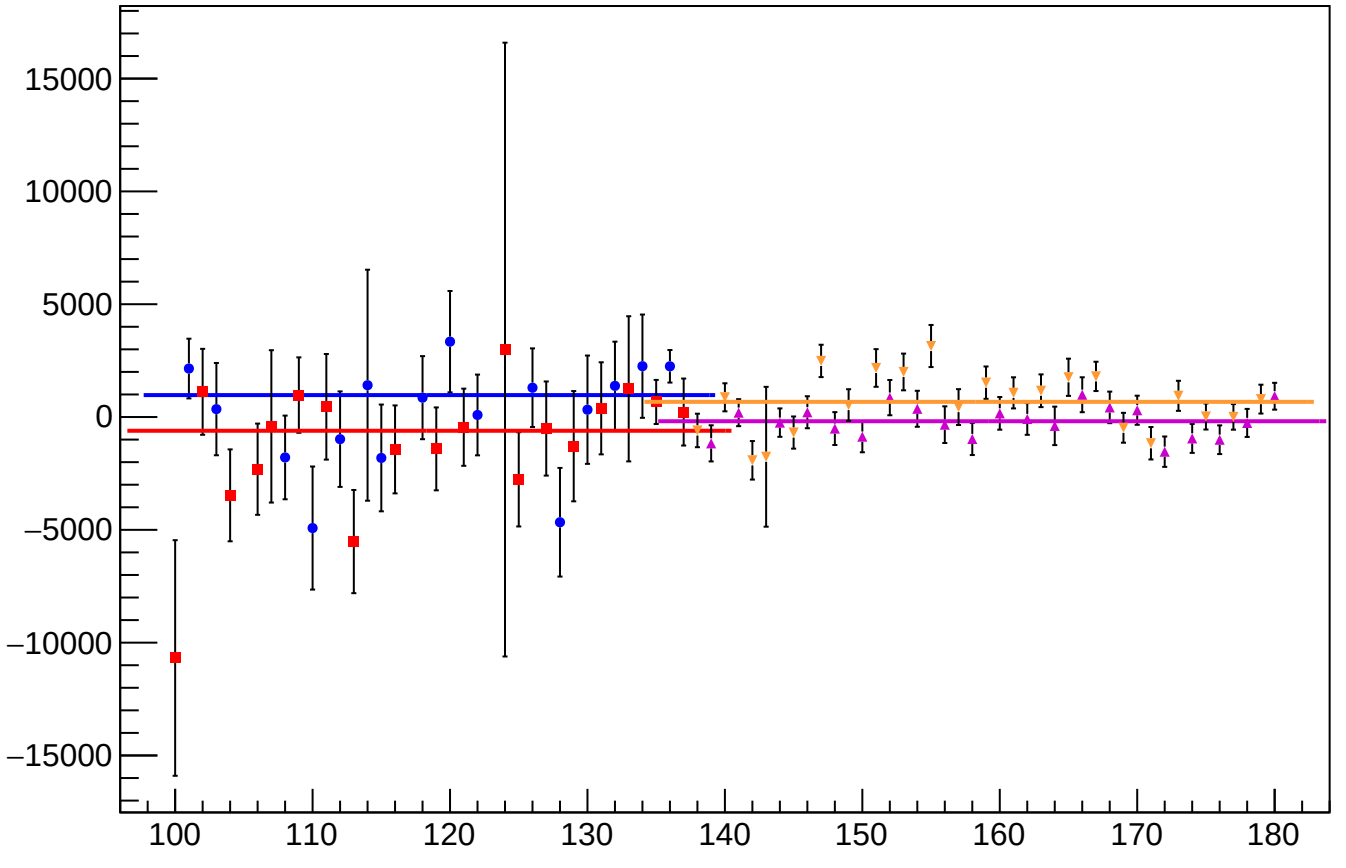
Left: 1240.844+/-0.149 χ^2/NDF: 166830.8/42

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.474+/-0.181 χ^2/NDF:536399.5/36

Out: 1243.744+/-0.177 χ^2/NDF:372511.3/40

All: 1251.449+/-0.127 χ^2/NDF: 912762.9/77



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -186.285+/-151.674 χ^2/NDF:21.4/20

Left: 237.682+/-107.963 χ^2/NDF: 92.6/42

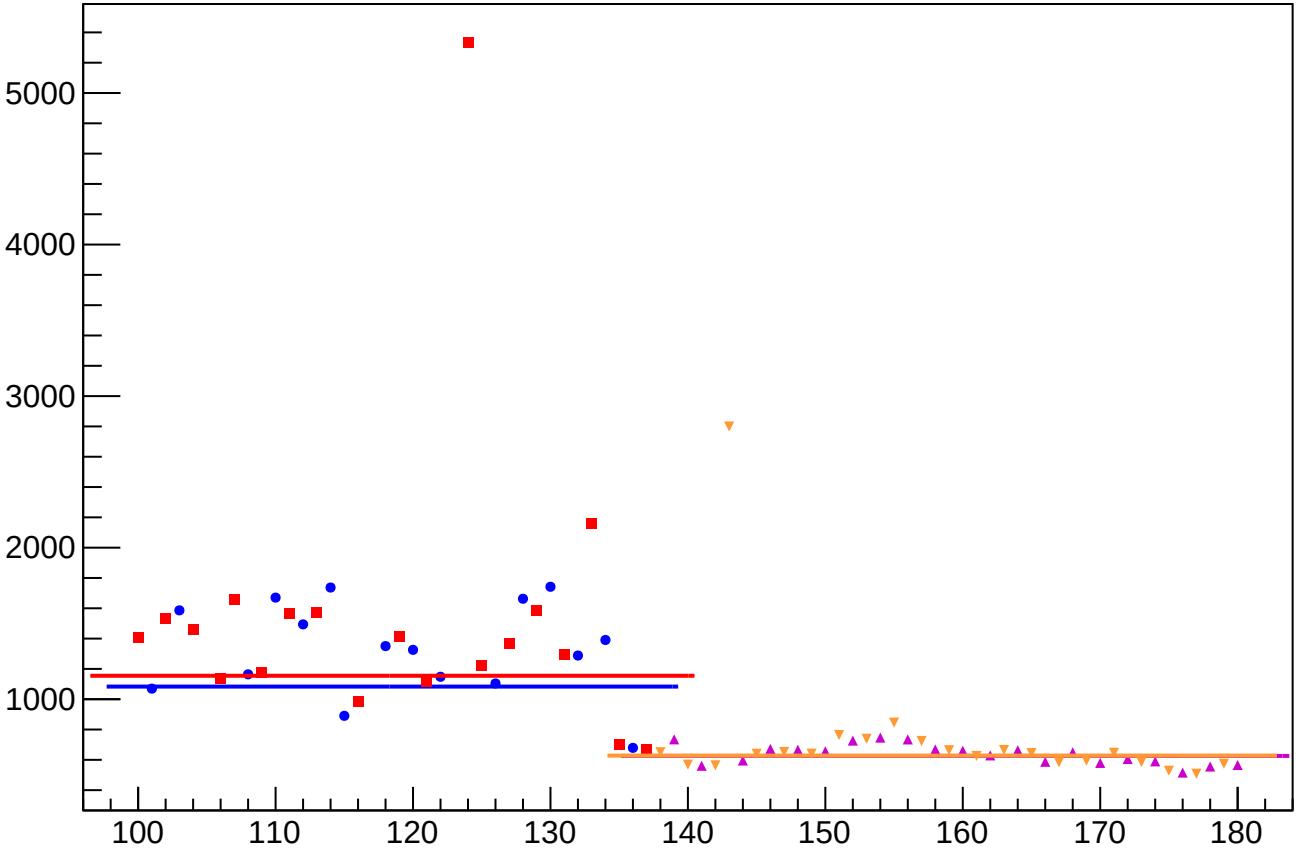
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -55.517+/-142.858 χ^2/NDF:48.5/36

Out: 538.003+/-145.384 χ^2/NDF:79.7/40

All: 236.042+/-101.897 χ^2/NDF: 136.7/77

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 625.774+/-0.107 χ^2/NDF:346038.2/20

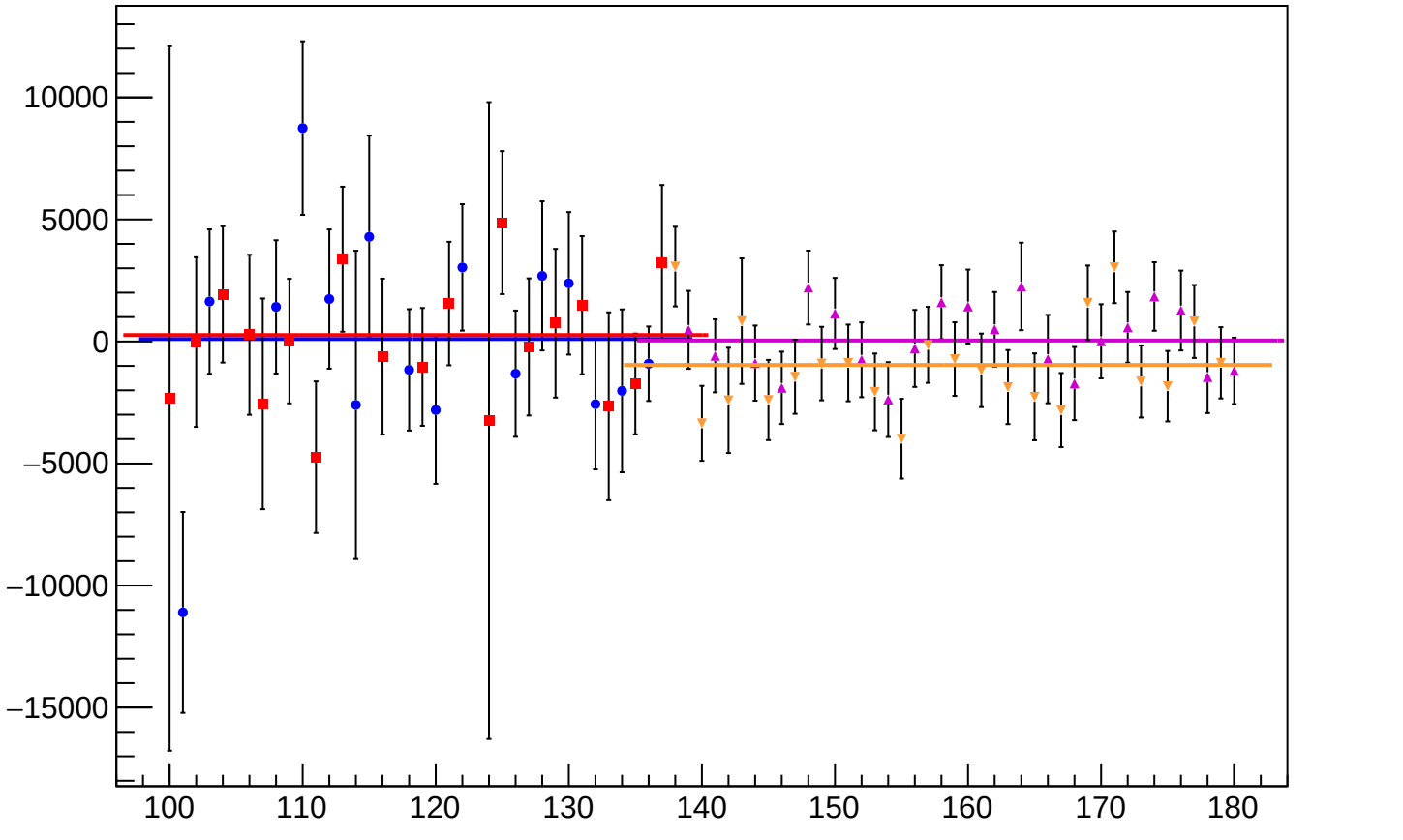
Left: 626.826+/-0.076 χ^2/NDF: 1789314.4/42

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 677.420+/-0.101 χ^2/NDF:3760593.6/36

Out: 683.453+/-0.103 χ^2/NDF:5408356.2/40

All: 680.384+/-0.072 χ^2/NDF: 9170701.8/77



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 40.582+/-332.765 χ^2/NDF:17.1/20

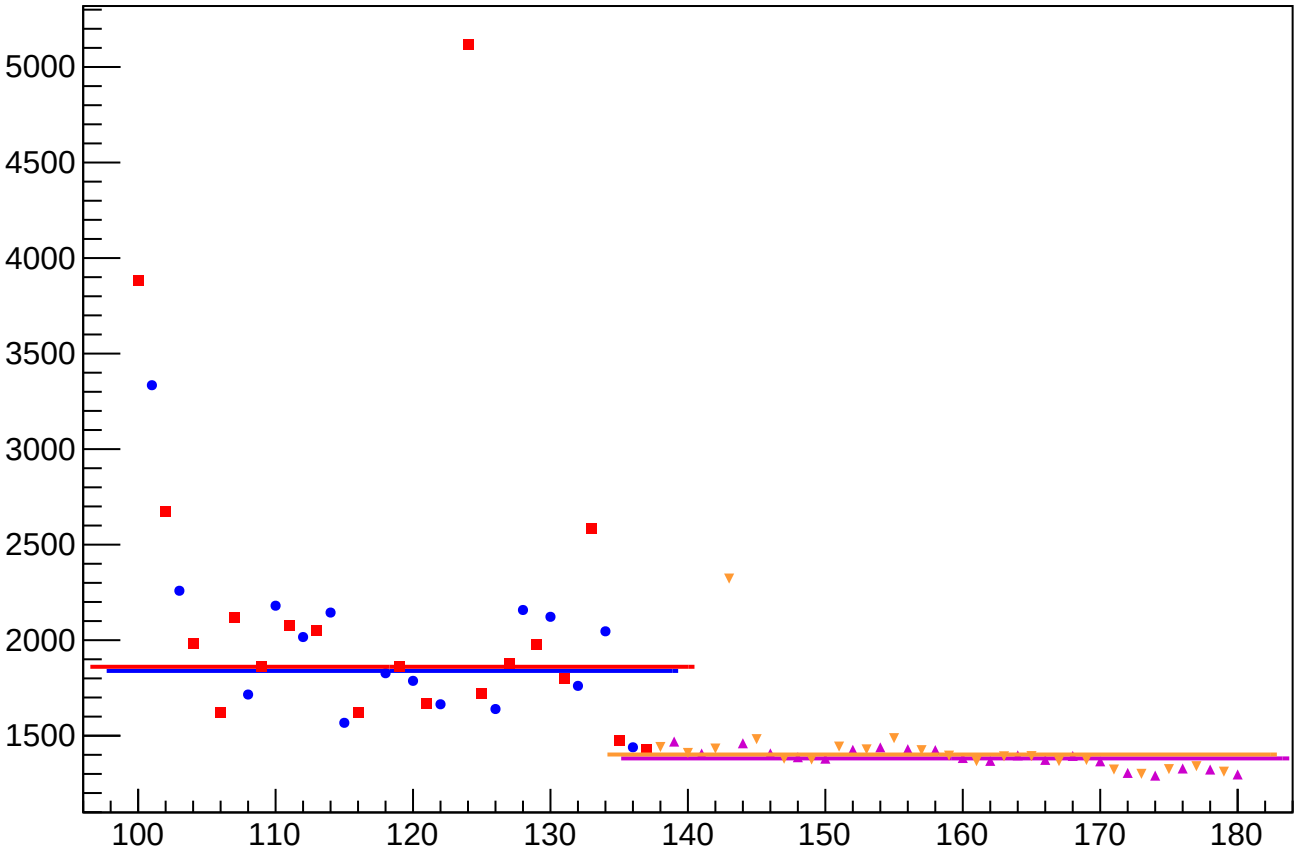
Left: -454.803+/-236.667 χ^2/NDF: 50.7/42

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 51.644+/-300.454 χ^2/NDF:38.4/36

Out: -731.668+/-303.376 χ^2/NDF:42.0/40

All: -336.222+/-213.479 χ^2/NDF: 83.7/77



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1381.208+/-0.235 χ^2/NDF:47958.1/20

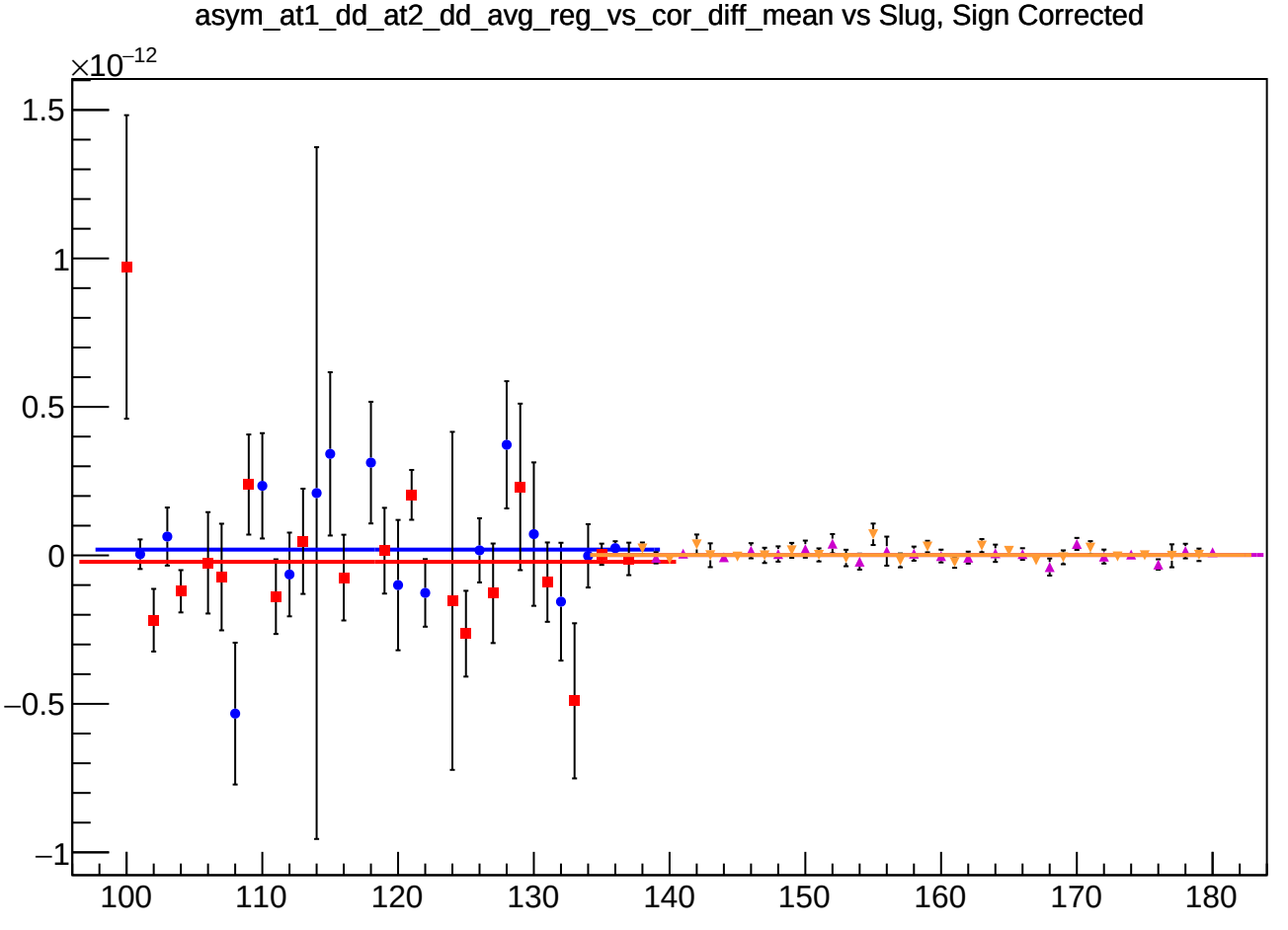
Left: 1391.294+/-0.167 χ^2/NDF: 357967.1/42

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1465.814+/-0.212 χ^2/NDF:1304415.5/36

Out: 1487.927+/-0.215 χ^2/NDF:1527660.0/40

All: 1476.763+/-0.151 χ^2/NDF: 2837440.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/20

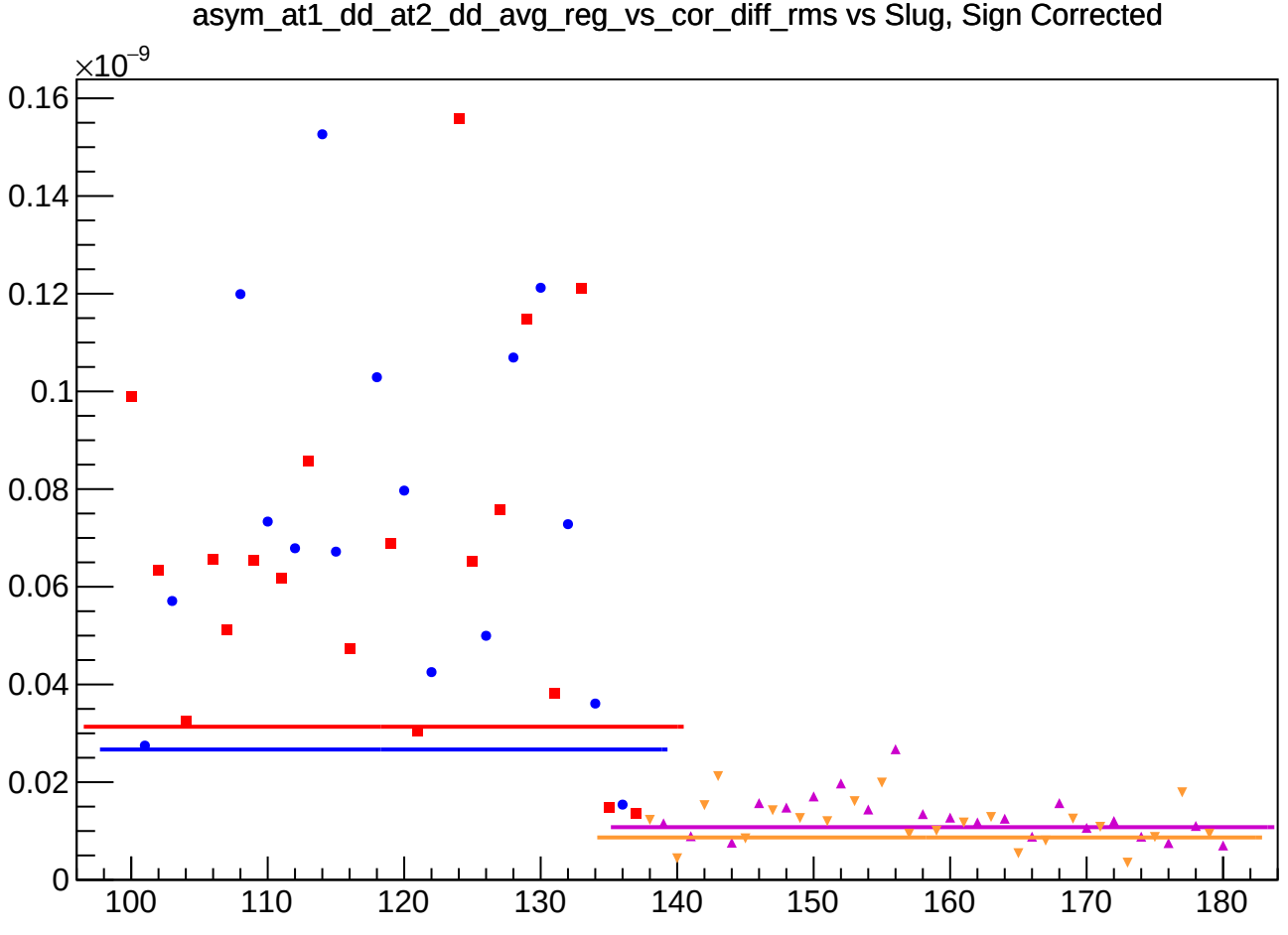
Left: 0.000+/-0.000 χ^2/NDF: 32.1/42

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.8/36

Out: 0.000+/-0.000 χ^2/NDF:47.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116927.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1133312.5/20

Left: 0.000+/-0.000 χ^2/NDF: 3493835.0/42

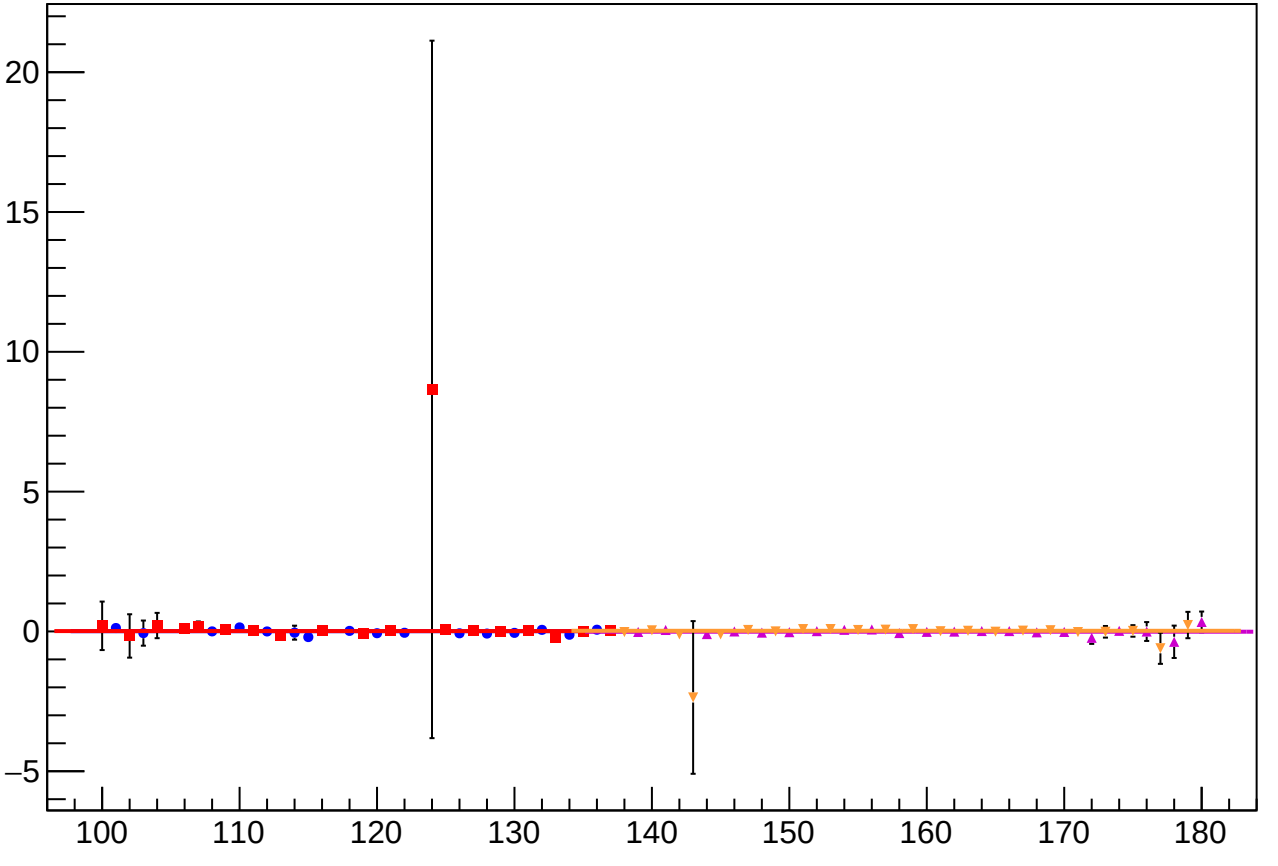
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:5064435.9/36

Out: 0.000+/-0.000 χ^2/NDF:6395833.1/40

All: 0.000+/-0.000 χ^2/NDF: 11762889.7/77

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

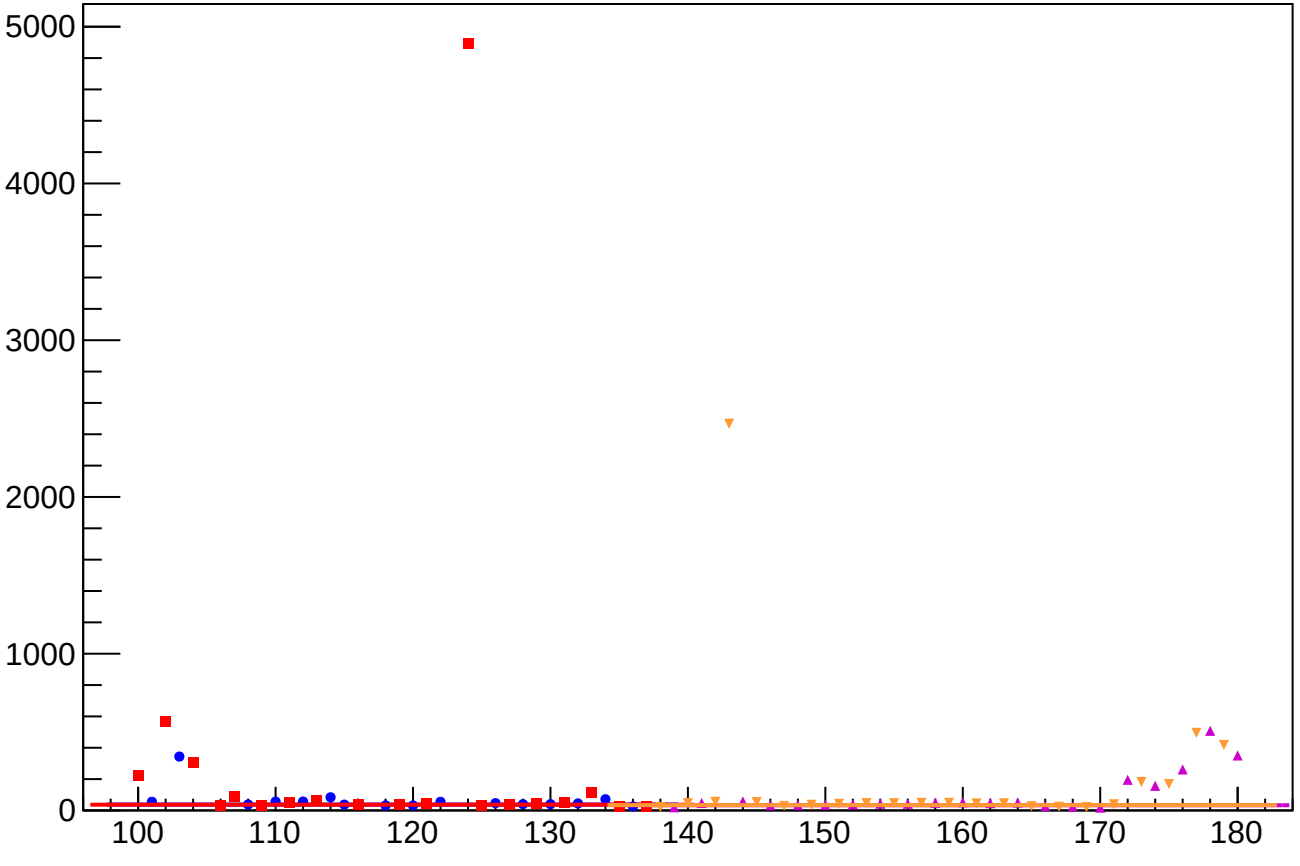
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

Left: 33.583+/-0.005 χ^2/NDF: 17096878.4/42

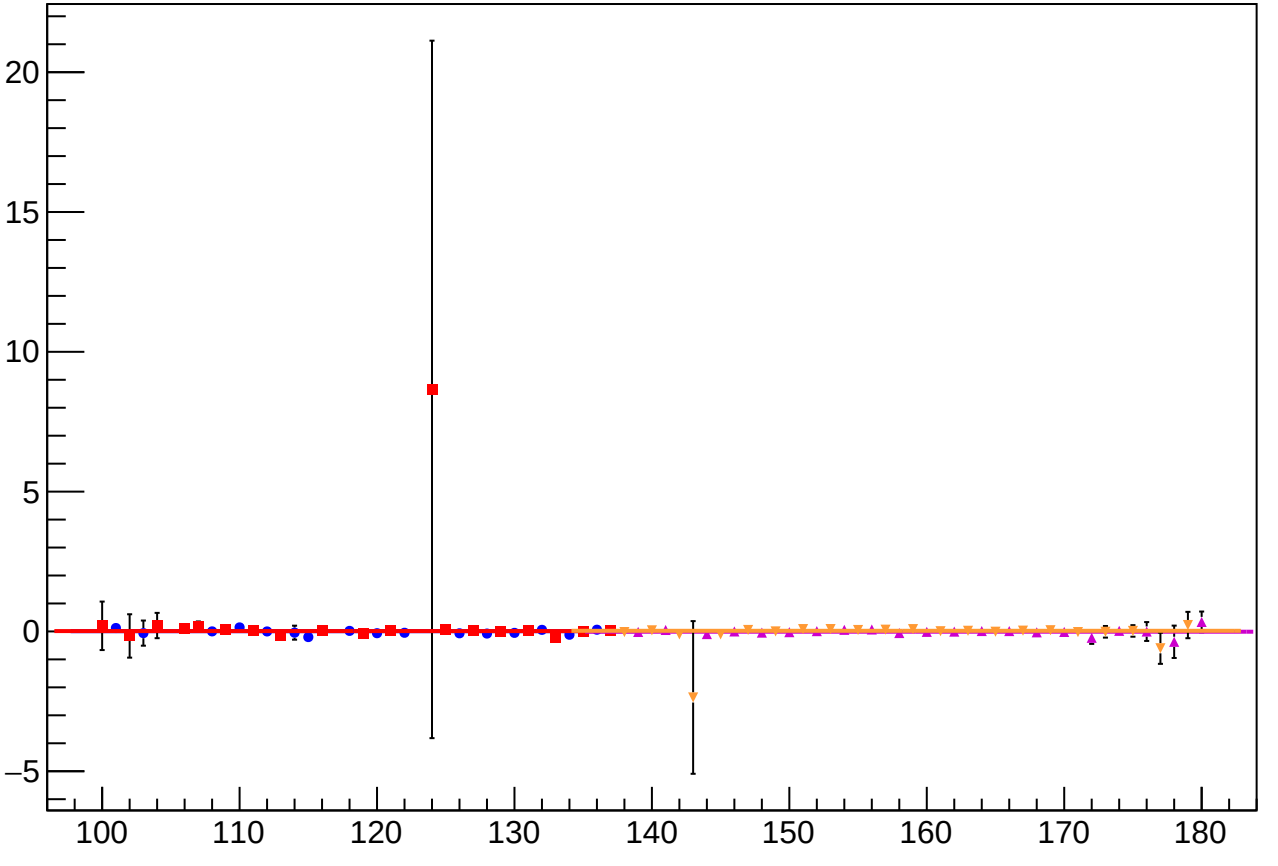
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.379+/-0.006 χ^2/NDF:10628077.6/36

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

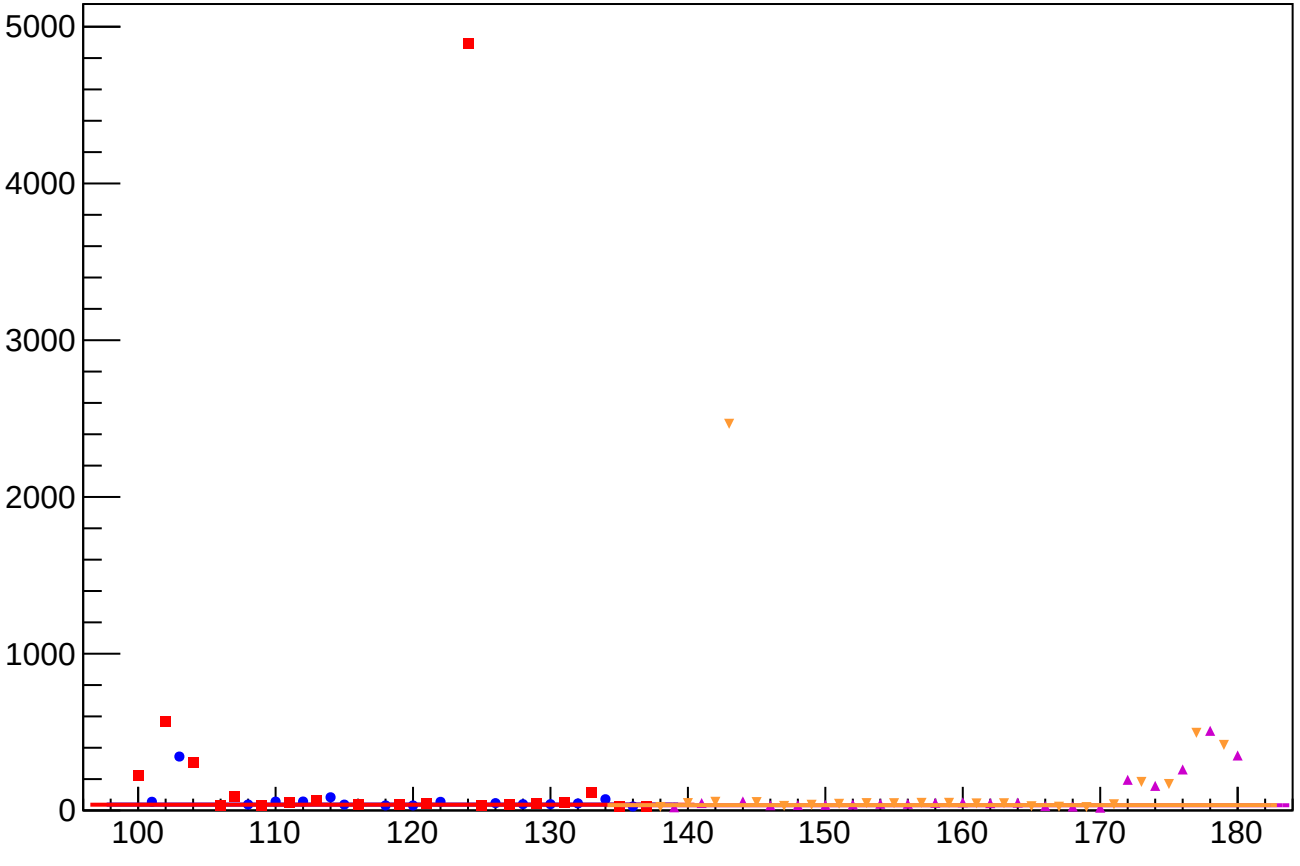
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.186+/-0.007 χ^2/NDF:8540974.9/20

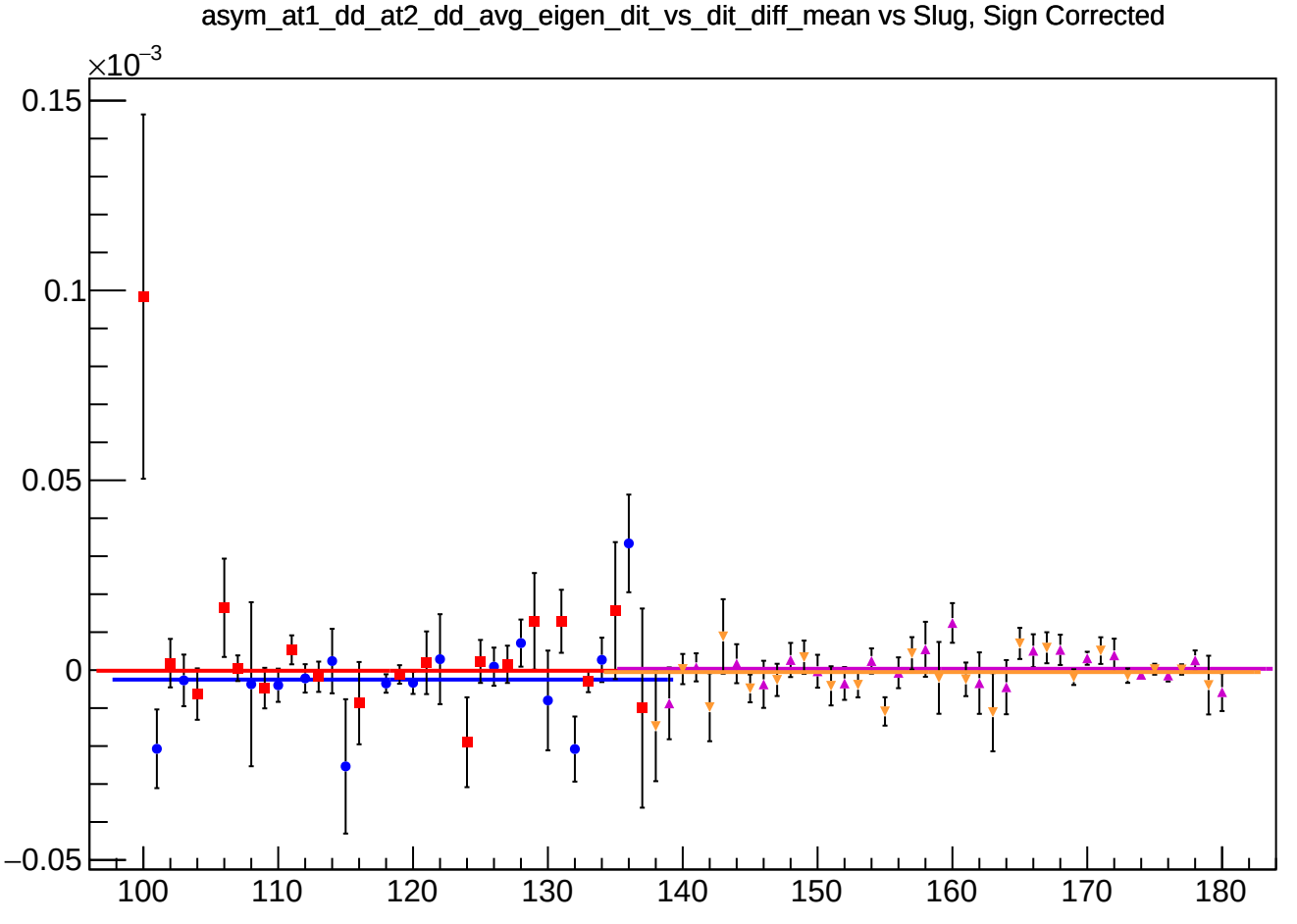
Left: 33.583+/-0.005 χ^2/NDF: 17096878.4/42

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.379+/-0.006 χ^2/NDF:10628077.6/36

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.565+/-0.004 χ^2/NDF: 22410280.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/20

Left: -0.000+/-0.000 χ^2/NDF: 49.1/42

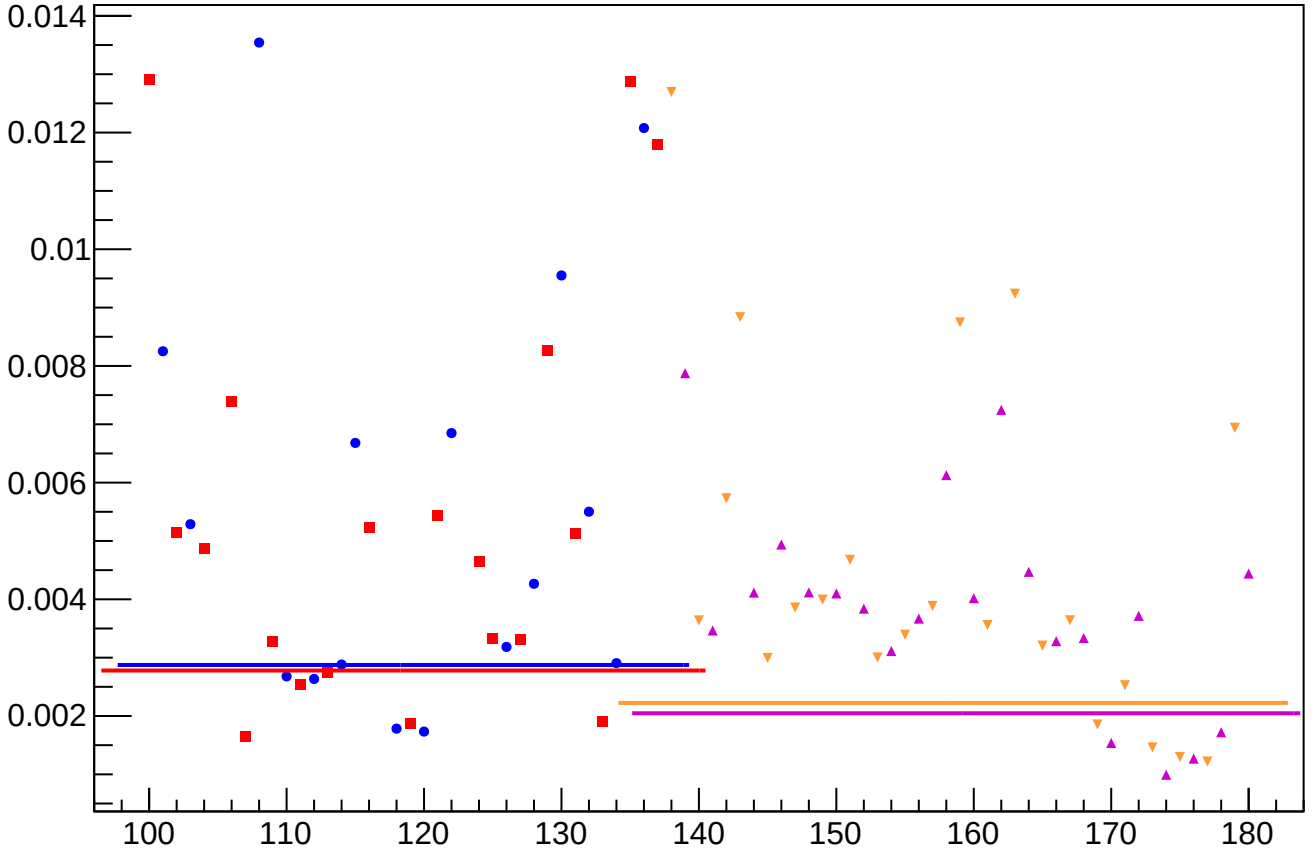
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:46.8/36

Out: -0.000+/-0.000 χ^2/NDF:46.0/40

All: -0.000+/-0.000 χ^2/NDF: 92.9/77

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:9246141.6/20

Left: 0.002+/-0.000 χ^2/NDF: 19081013.9/42

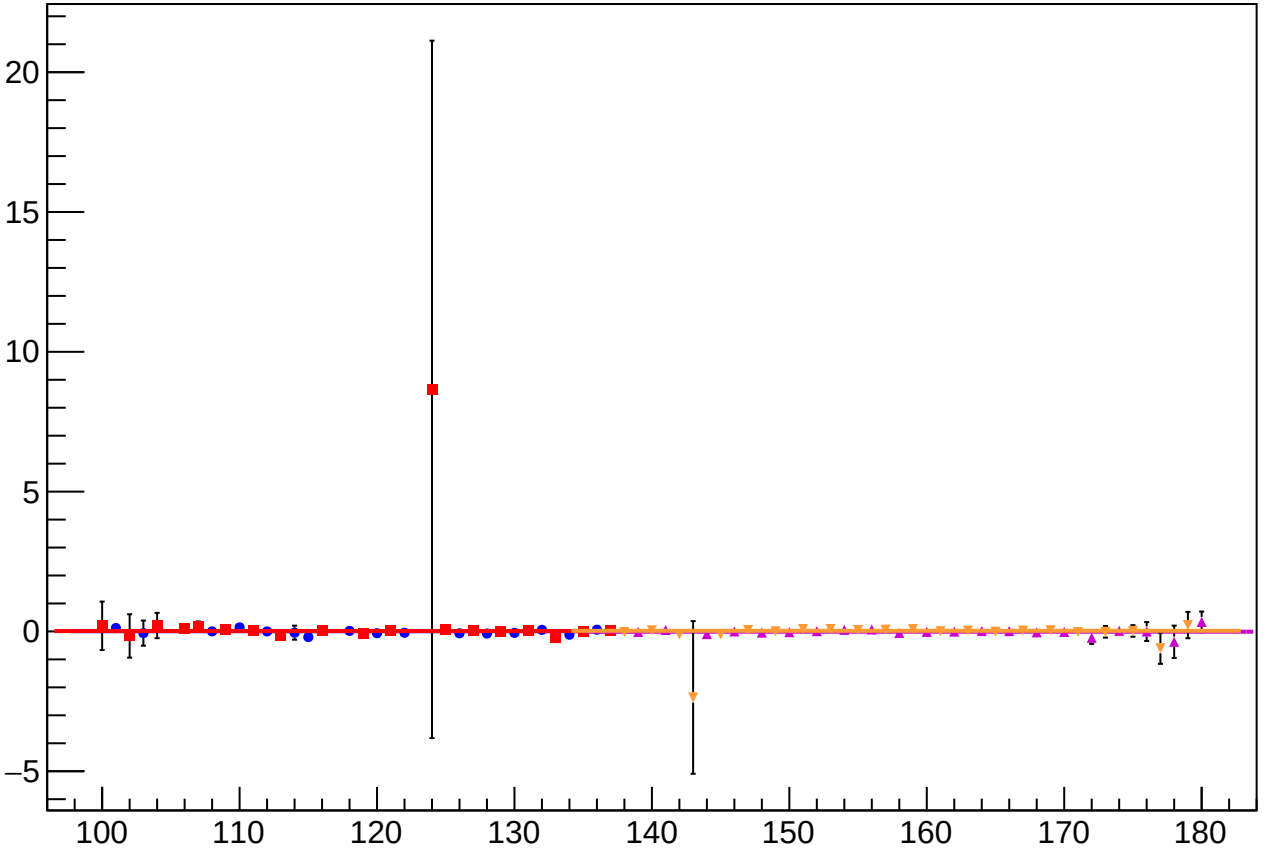
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:14049916.5/36

Out: 0.002+/-0.000 χ^2/NDF:13411947.4/40

All: 0.002+/-0.000 χ^2/NDF: 27532120.9/77

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

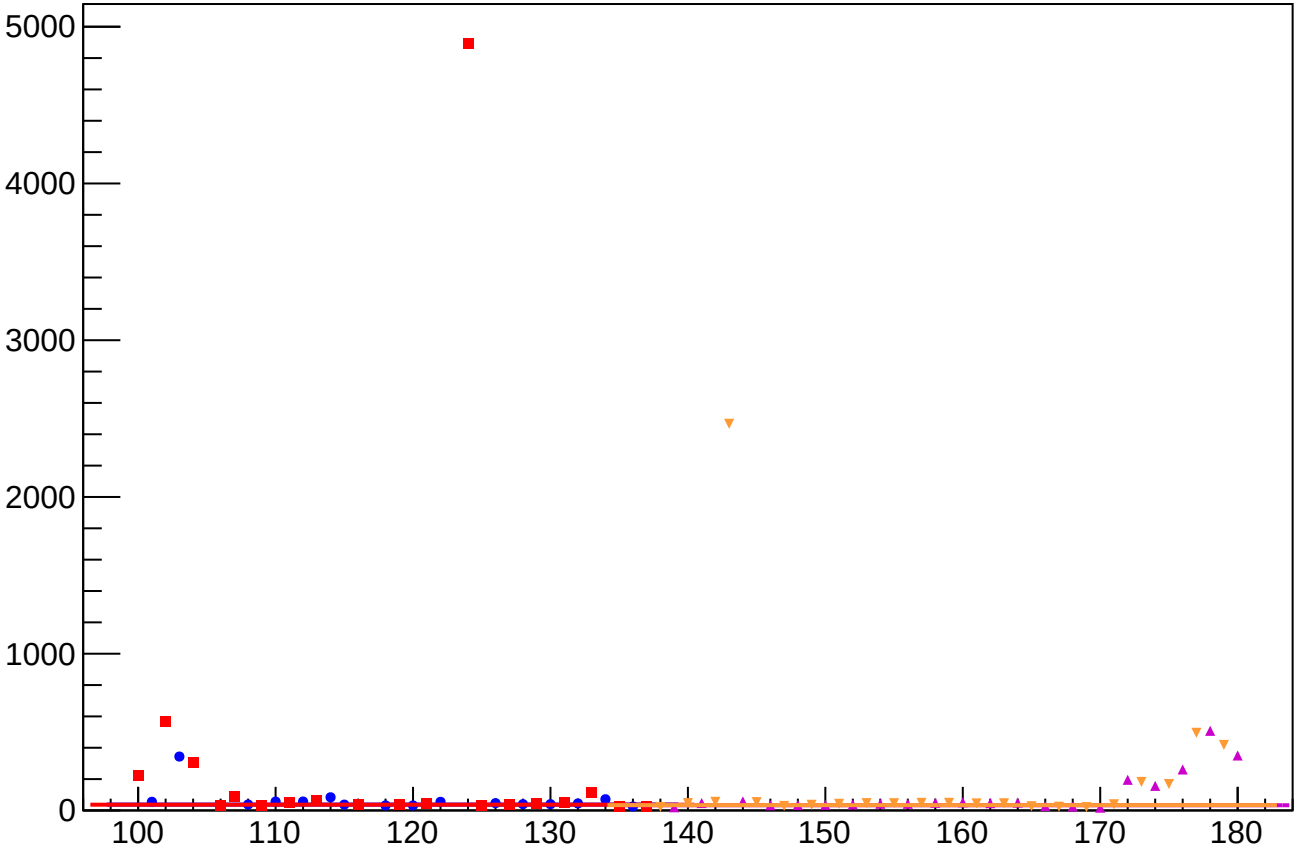
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

Left: 33.584+/-0.005 χ^2/NDF: 17095681.6/42

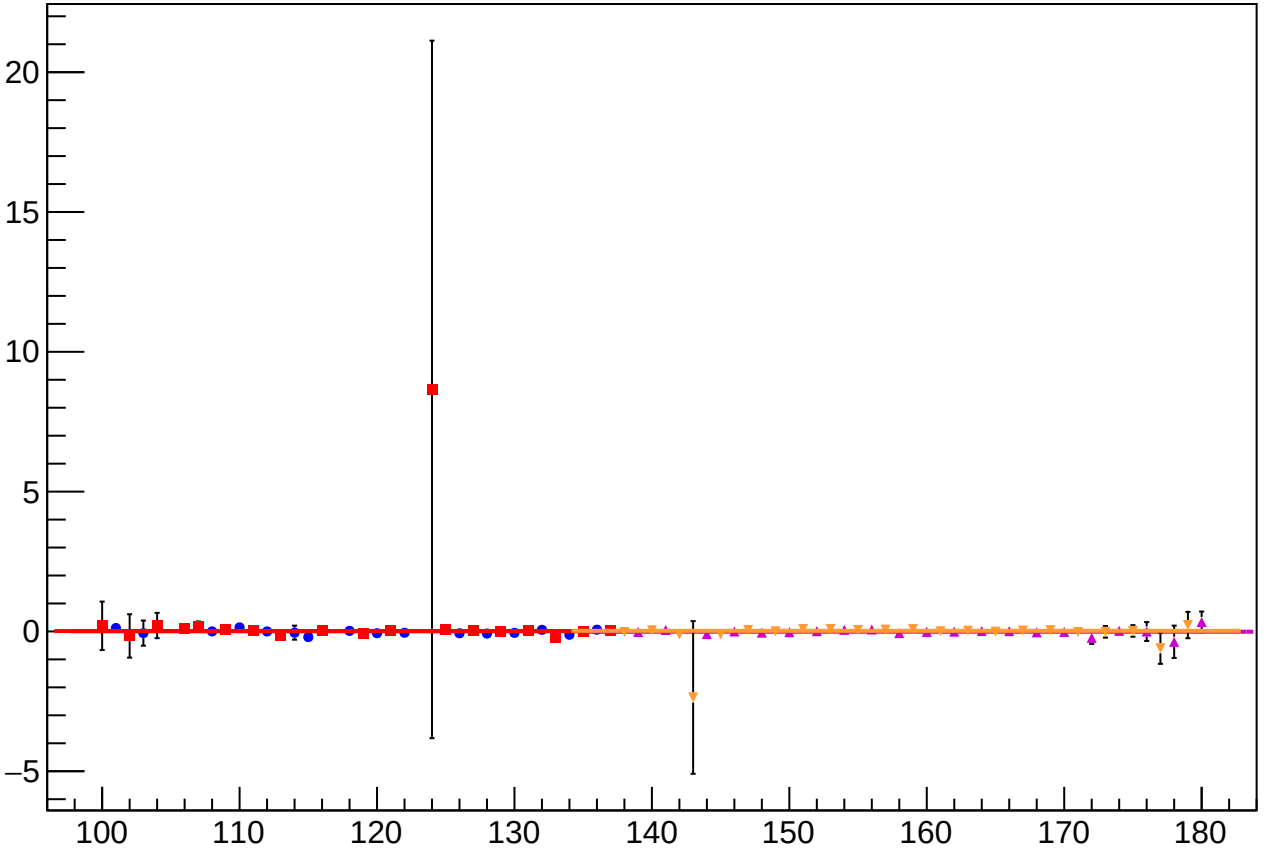
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.381+/-0.006 χ^2/NDF:10626685.8/36

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:13.1/20

Left: 0.006+/-0.007 χ^2/NDF: 38.0/42

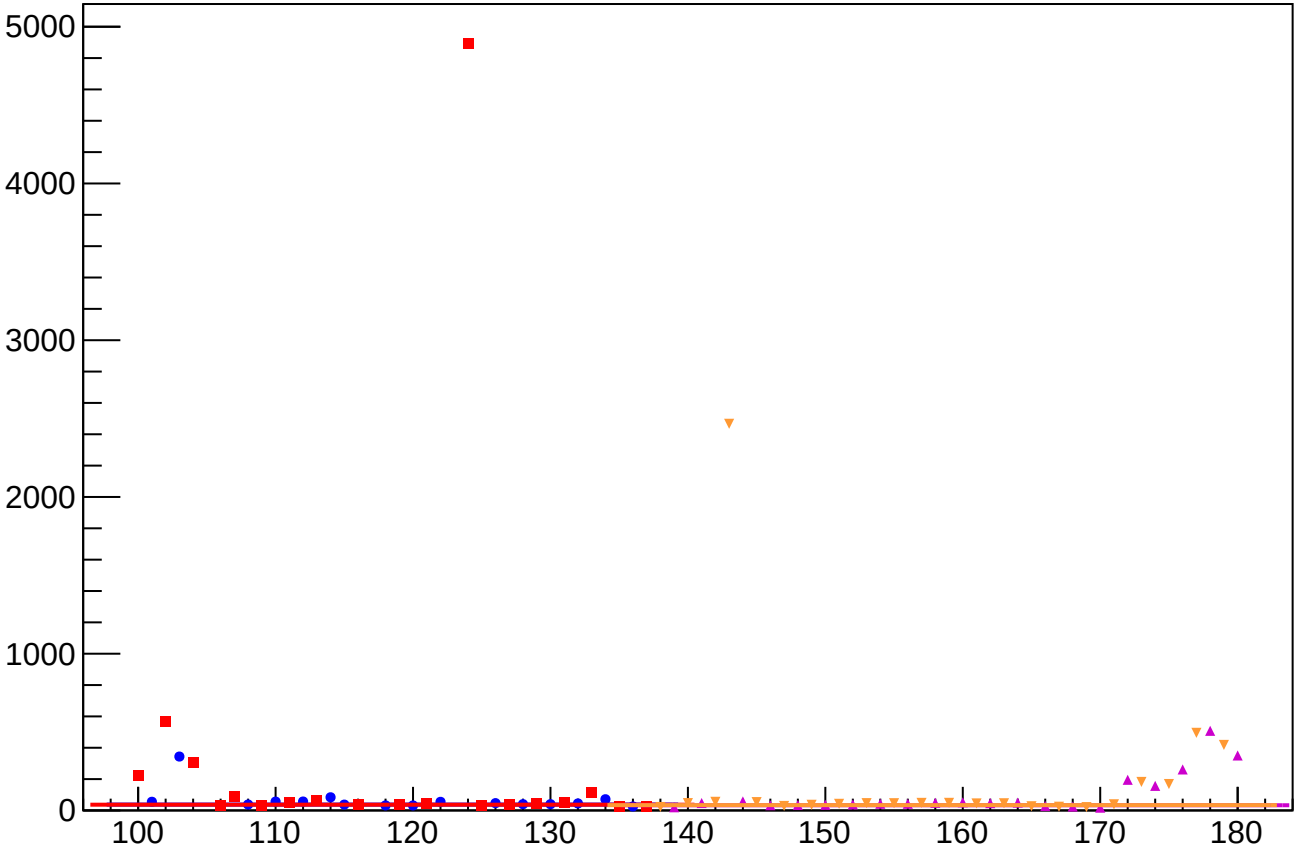
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:33.4/36

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 70.0/77

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: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.188+/-0.007 χ^2/NDF:8539738.7/20

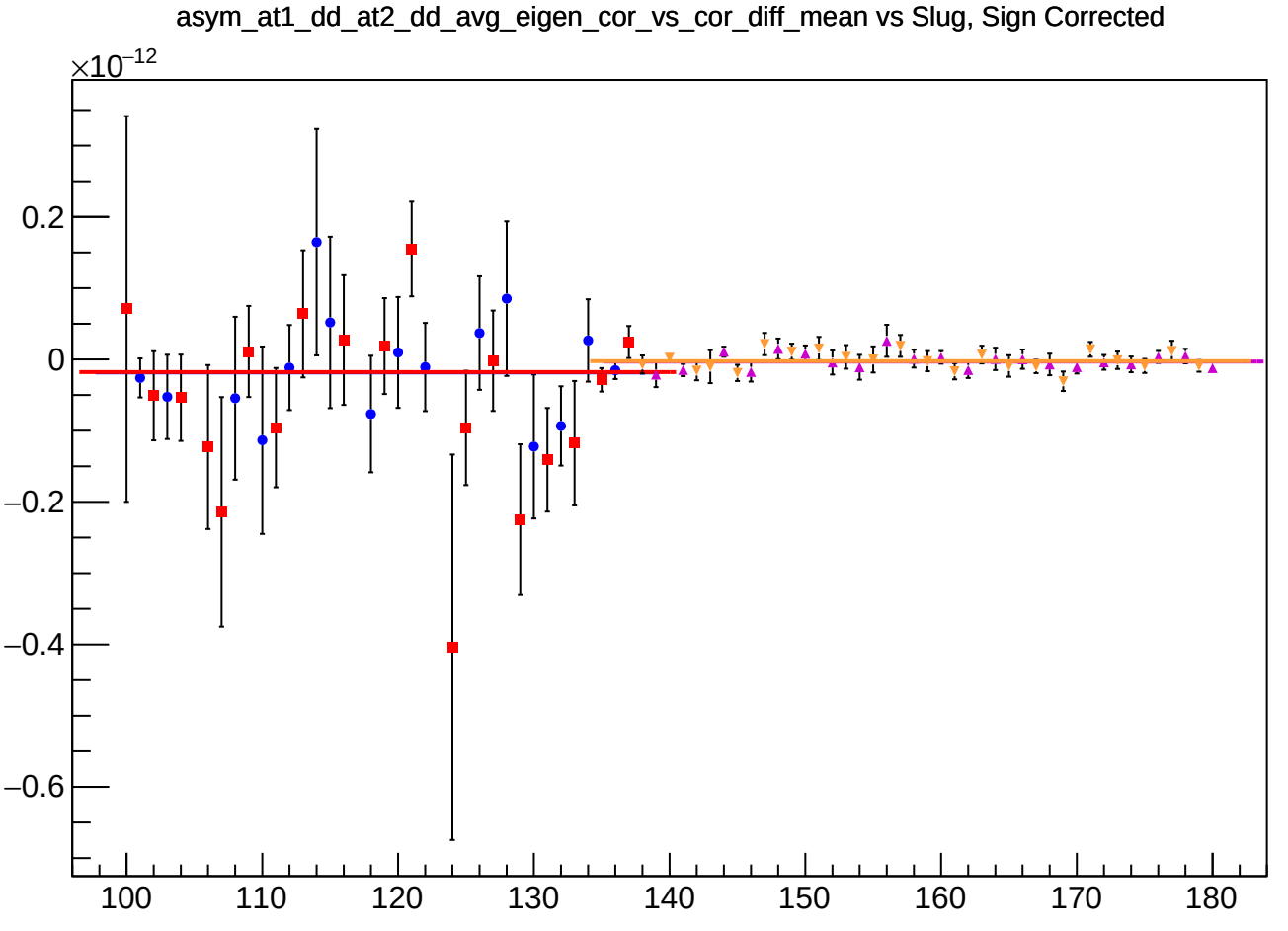
Left: 33.584+/-0.005 χ^2/NDF: 17095681.6/42

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.381+/-0.006 χ^2/NDF:10626685.8/36

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.565+/-0.004 χ^2/NDF: 22408733.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

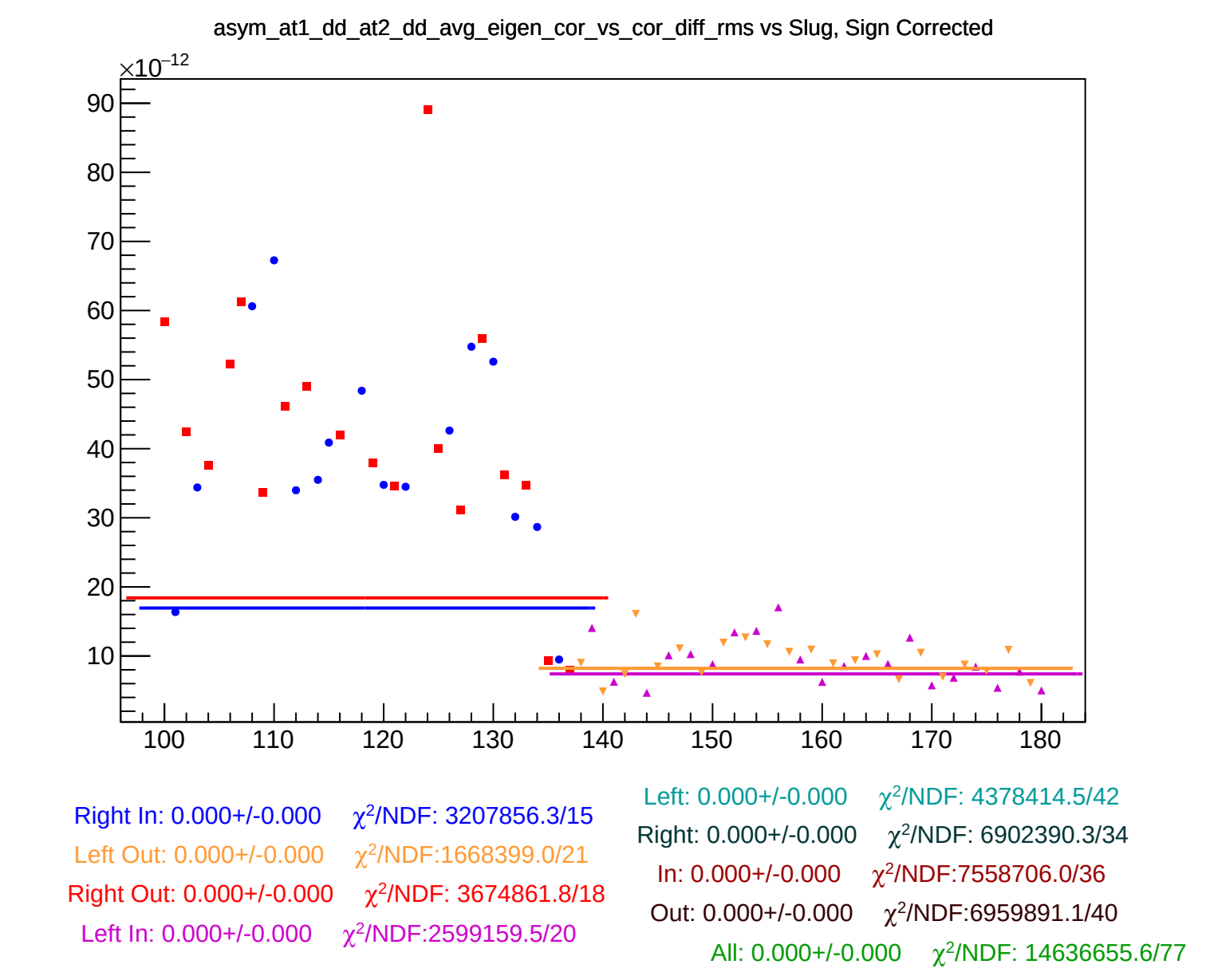
Left: -0.000+/-0.000 χ^2/NDF: 41.0/42

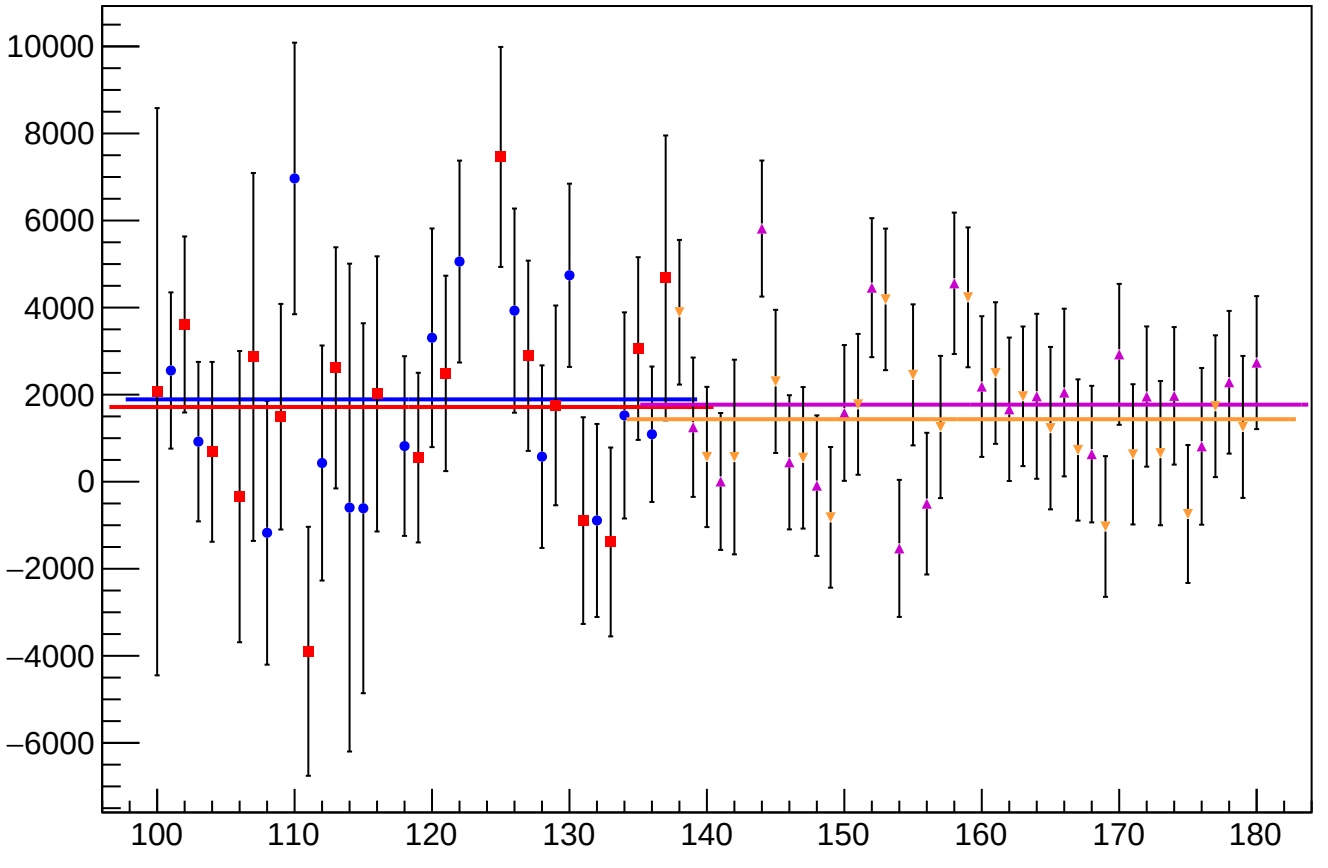
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:28.8/36

Out: -0.000+/-0.000 χ^2/NDF:51.8/40

All: -0.000+/-0.000 χ^2/NDF: 80.7/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1668399.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2599159.5/20
Left: 0.000+/-0.000 χ²/NDF: 4378414.5/42
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:7558706.0/36
Out: 0.000+/-0.000 χ²/NDF:6959891.1/40
All: 0.000+/-0.000 χ²/NDF: 14636655.6/77



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.922+/-360.389 χ^2/NDF:17.0/20

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1770.253+/-354.554 χ^2/NDF:24.2/20

Left: 1605.816+/-252.745 χ^2/NDF: 41.6/41

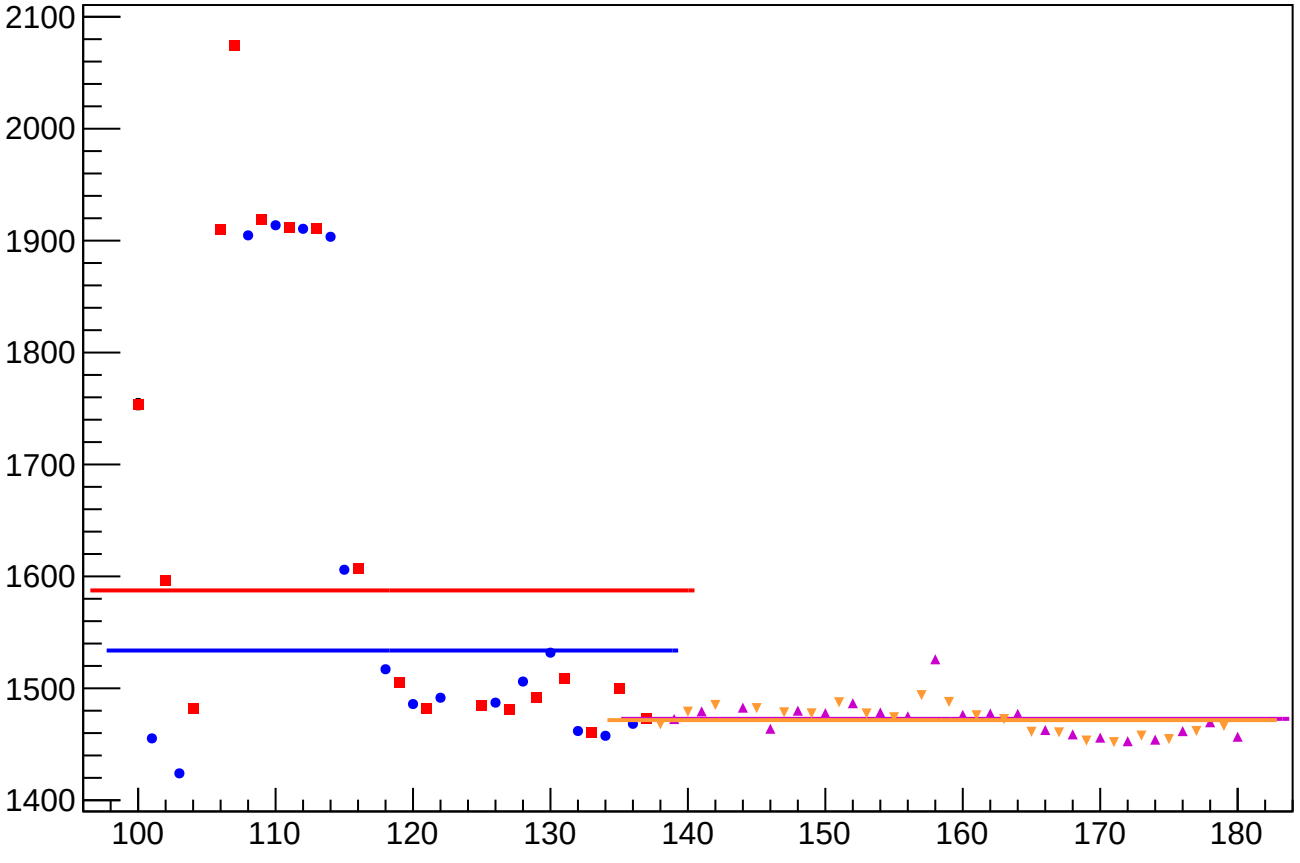
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1803.875+/-301.392 χ^2/NDF:36.5/36

Out: 1512.092+/-307.484 χ^2/NDF:33.1/38

All: 1660.902+/-215.238 χ^2/NDF: 70.0/75

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

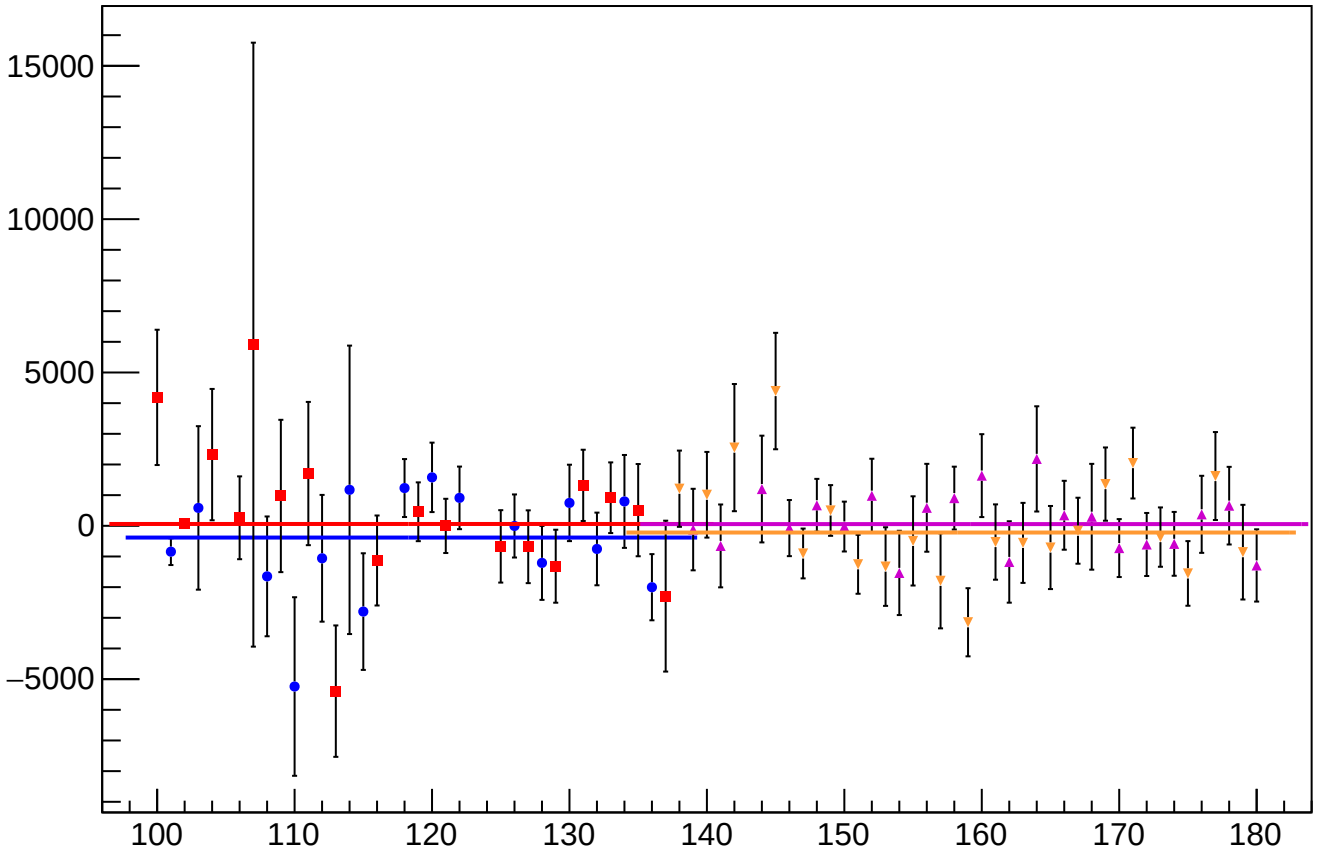
Left: 1472.158+/-0.179 χ^2/NDF: 6197.5/41

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1489.656+/-0.213 χ^2/NDF:149643.8/36

Out: 1503.103+/-0.217 χ^2/NDF:230511.2/38

All: 1496.245+/-0.152 χ^2/NDF: 382105.8/75



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.758+/-258.001 χ^2/NDF:30.5/20

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 56.023+/-252.324 χ^2/NDF:11.0/20

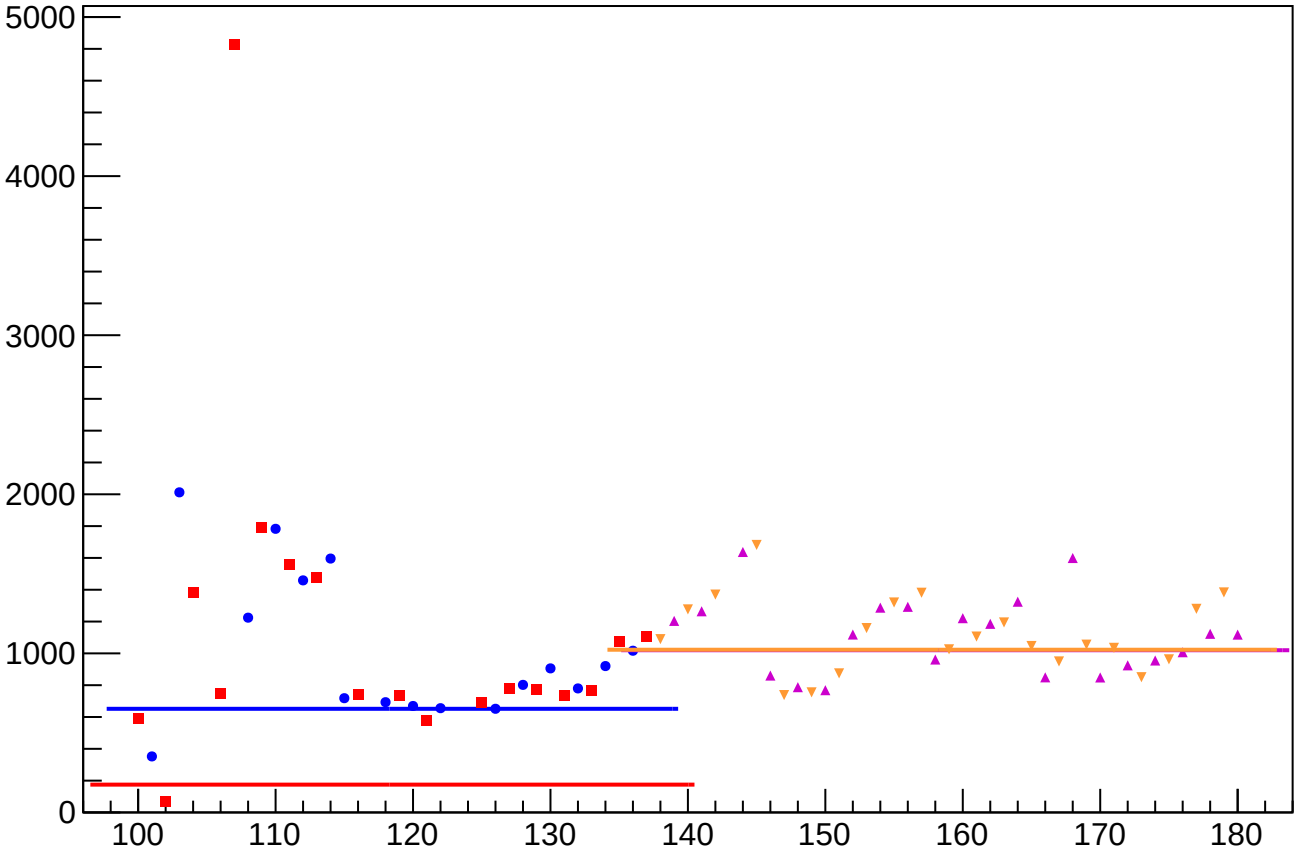
Left: -78.312+/-180.394 χ^2/NDF: 42.0/41

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -146.771+/-185.051 χ^2/NDF:30.6/36

Out: 5.123+/-114.449 χ^2/NDF:49.2/38

All: -36.903+/-97.337 χ^2/NDF: 80.2/75



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.872+/-0.182 χ^2/NDF:1384023.4/20

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1019.764+/-0.178 χ^2/NDF:1449953.4/20

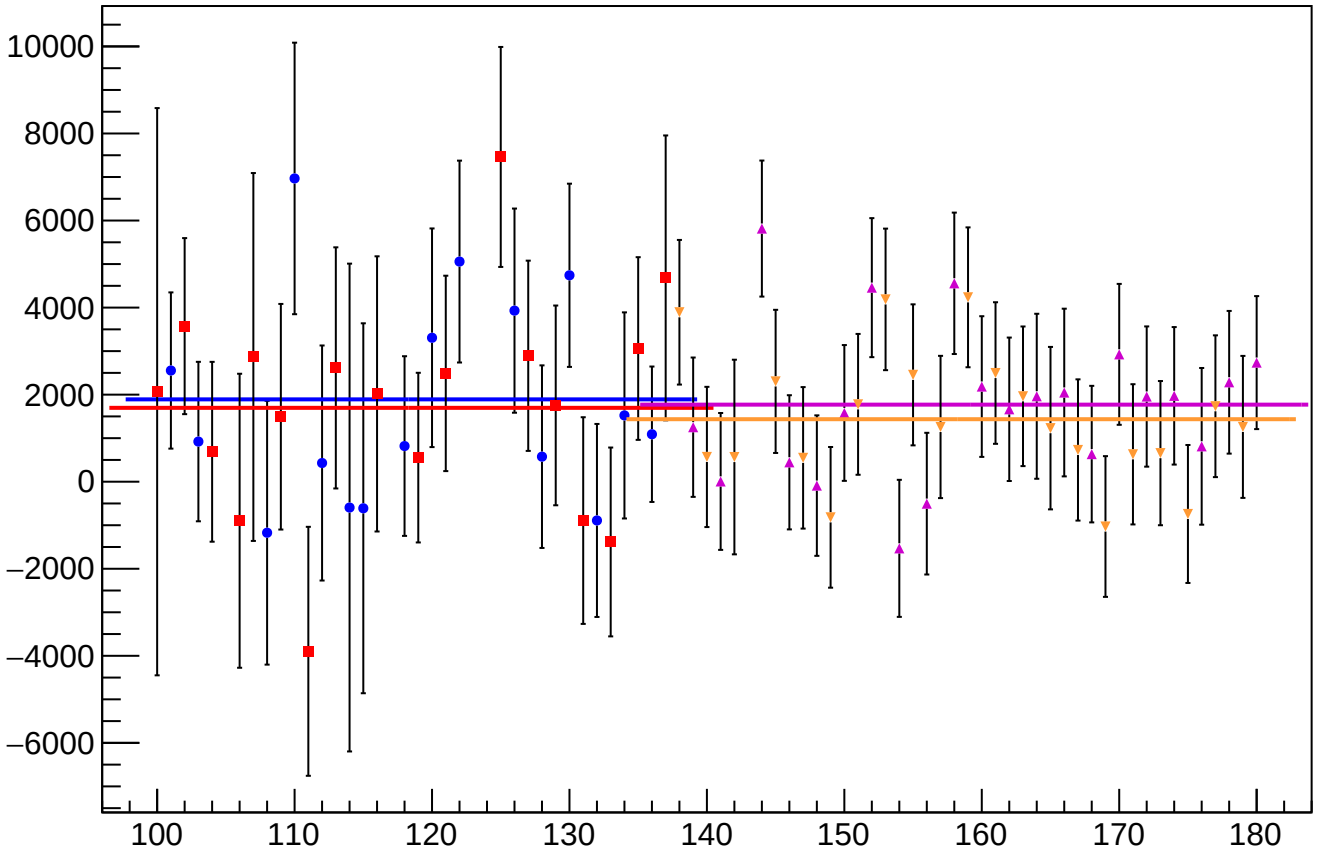
Left: 1021.284+/-0.128 χ^2/NDF: 2834125.2/41

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 849.583+/-0.131 χ^2/NDF:6181201.3/36

Out: 341.761+/-0.081 χ^2/NDF:28498791.7/38

All: 482.263+/-0.069 χ^2/NDF: 45574388.6/75



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1770.314+/-354.554 χ^2/NDF:24.2/20

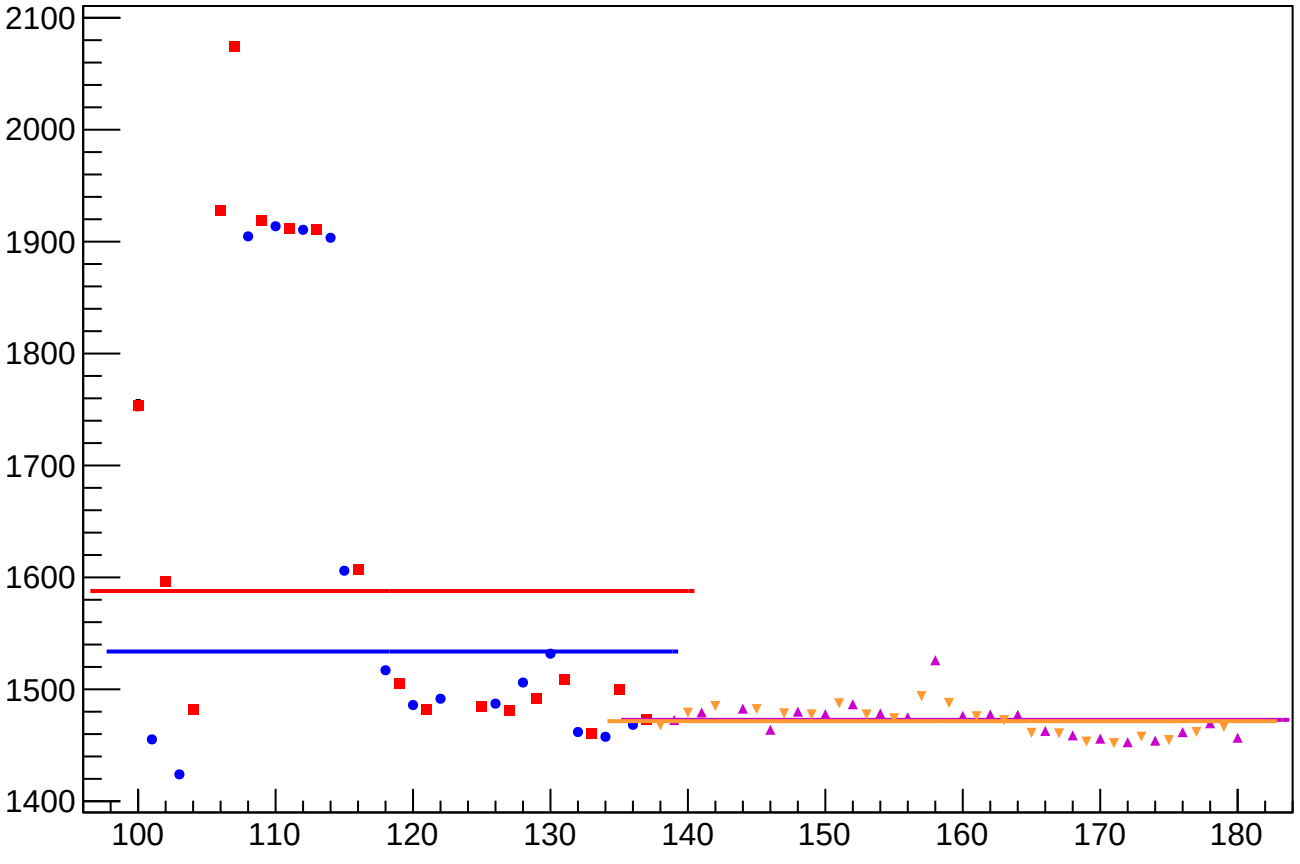
Left: 1605.845+/-252.745 χ^2/NDF: 41.6/41

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1803.948+/-301.392 χ^2/NDF:36.5/36

Out: 1506.910+/-307.510 χ^2/NDF:33.3/38

All: 1658.413+/-215.247 χ^2/NDF: 70.2/75



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

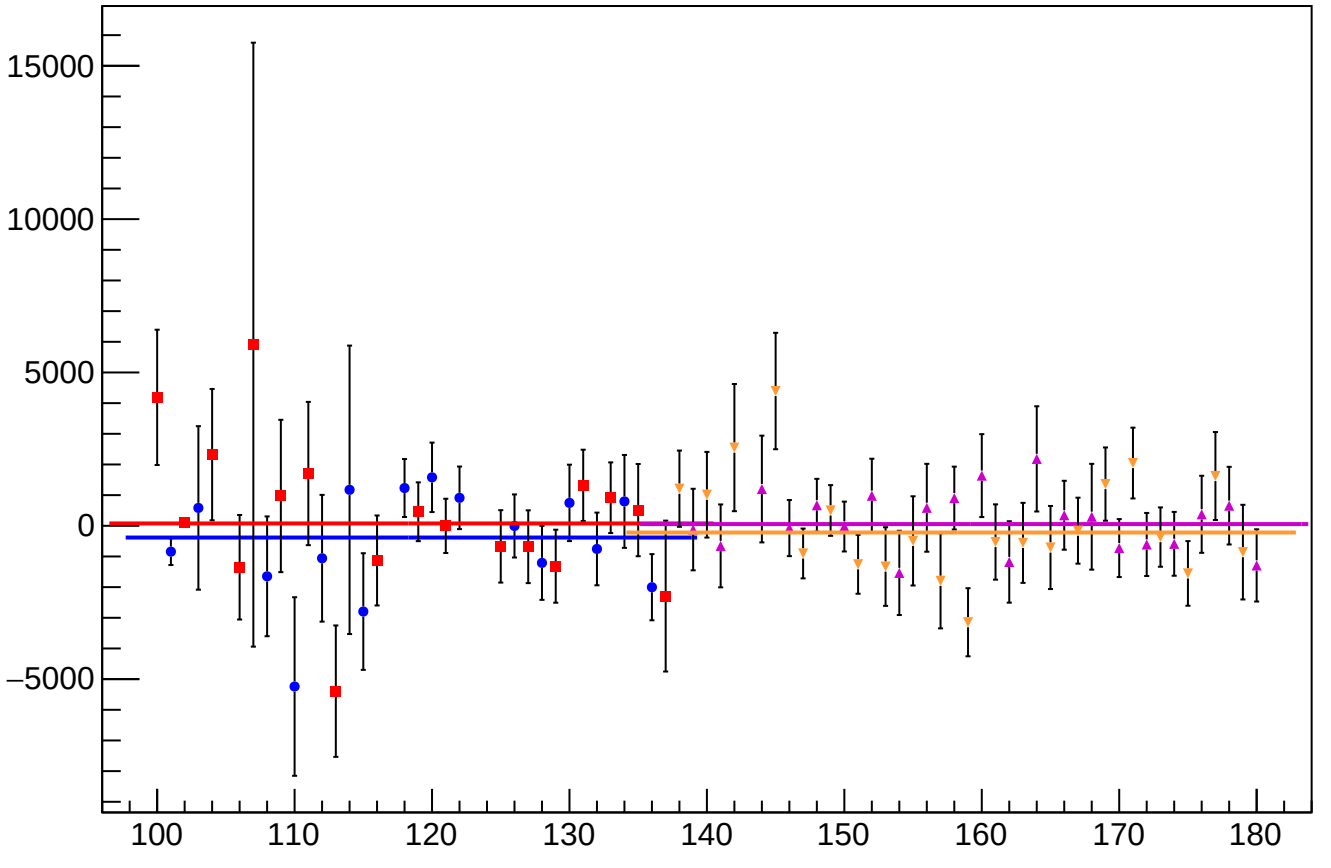
Left: 1472.158+/-0.179 χ^2/NDF: 6197.5/41

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1489.656+/-0.213 χ^2/NDF:149643.7/36

Out: 1503.194+/-0.217 χ^2/NDF:232638.8/38

All: 1496.289+/-0.152 χ^2/NDF: 384259.6/75



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.761+/-258.001 χ^2/NDF:30.5/20

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 56.093+/-252.324 χ^2/NDF:11.0/20

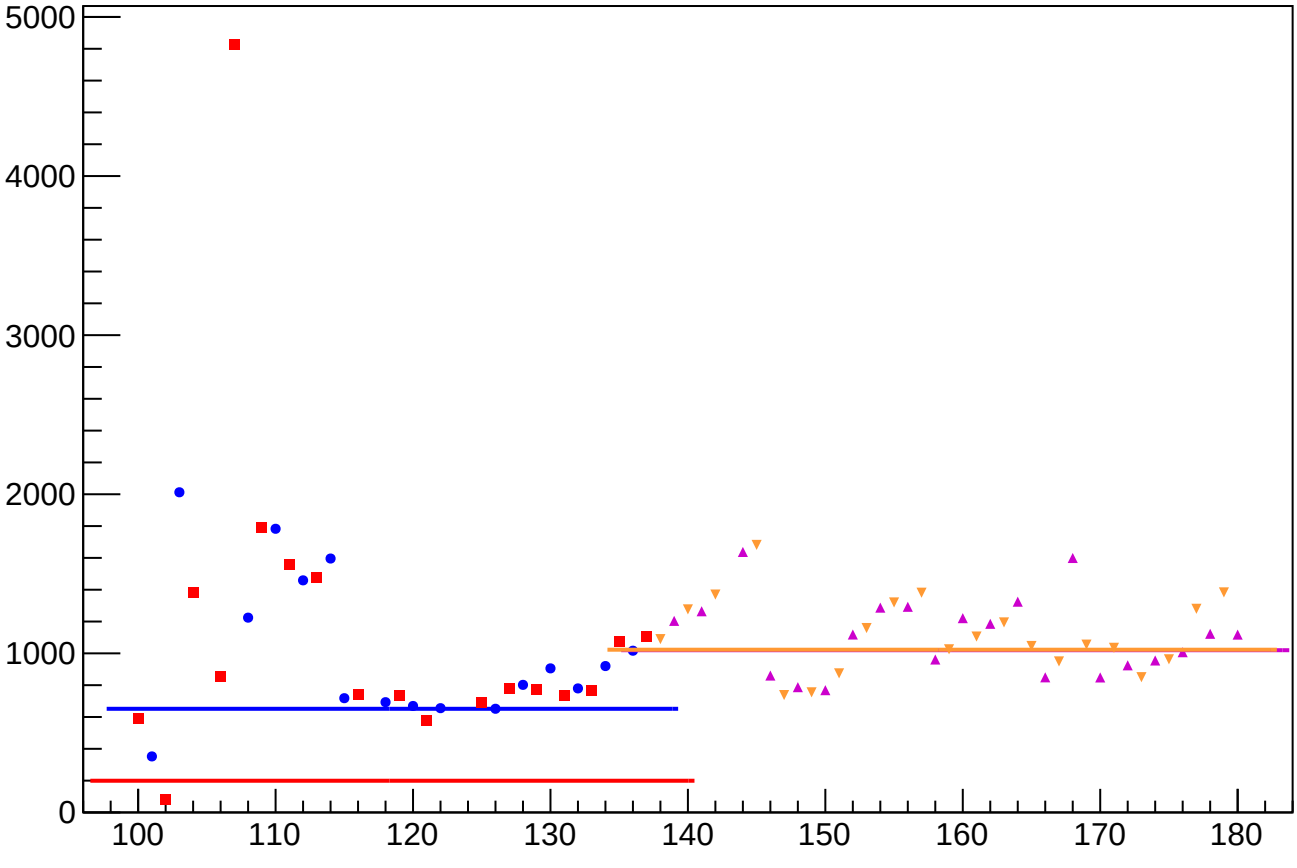
Left: -78.277+/-180.394 χ^2/NDF: 42.0/41

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.722+/-185.051 χ^2/NDF:30.6/36

Out: 10.914+/-121.780 χ^2/NDF:50.0/38

All: -36.724+/-101.728 χ^2/NDF: 81.0/75



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

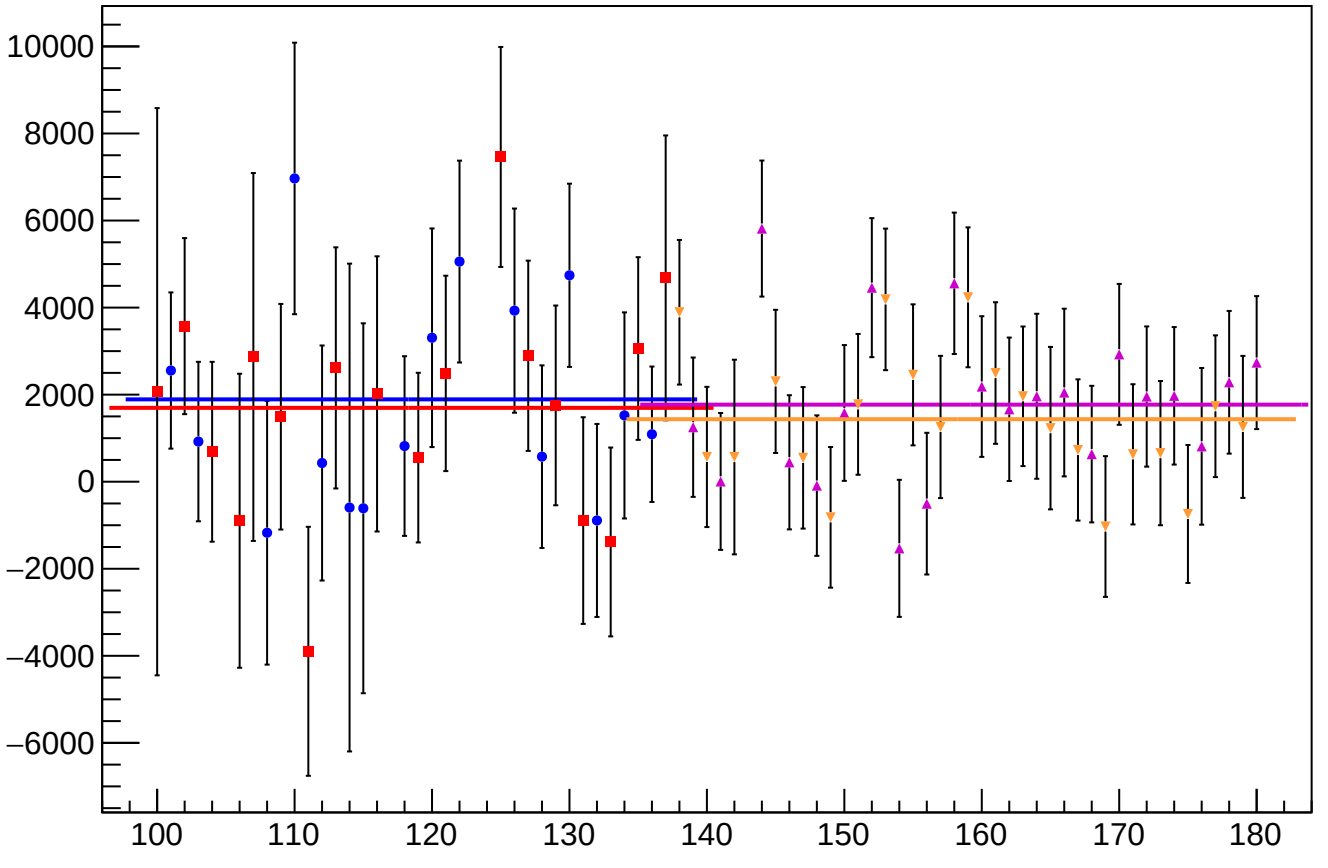
Left: 1021.285+/-0.128 χ^2/NDF: 2834227.4/41

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 849.582+/-0.131 χ^2/NDF:6181323.8/36

Out: 382.825+/-0.086 χ^2/NDF:26506100.2/38

All: 523.881+/-0.072 χ^2/NDF: 41566305.3/75



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1770.314+/-354.554 χ^2/NDF:24.2/20

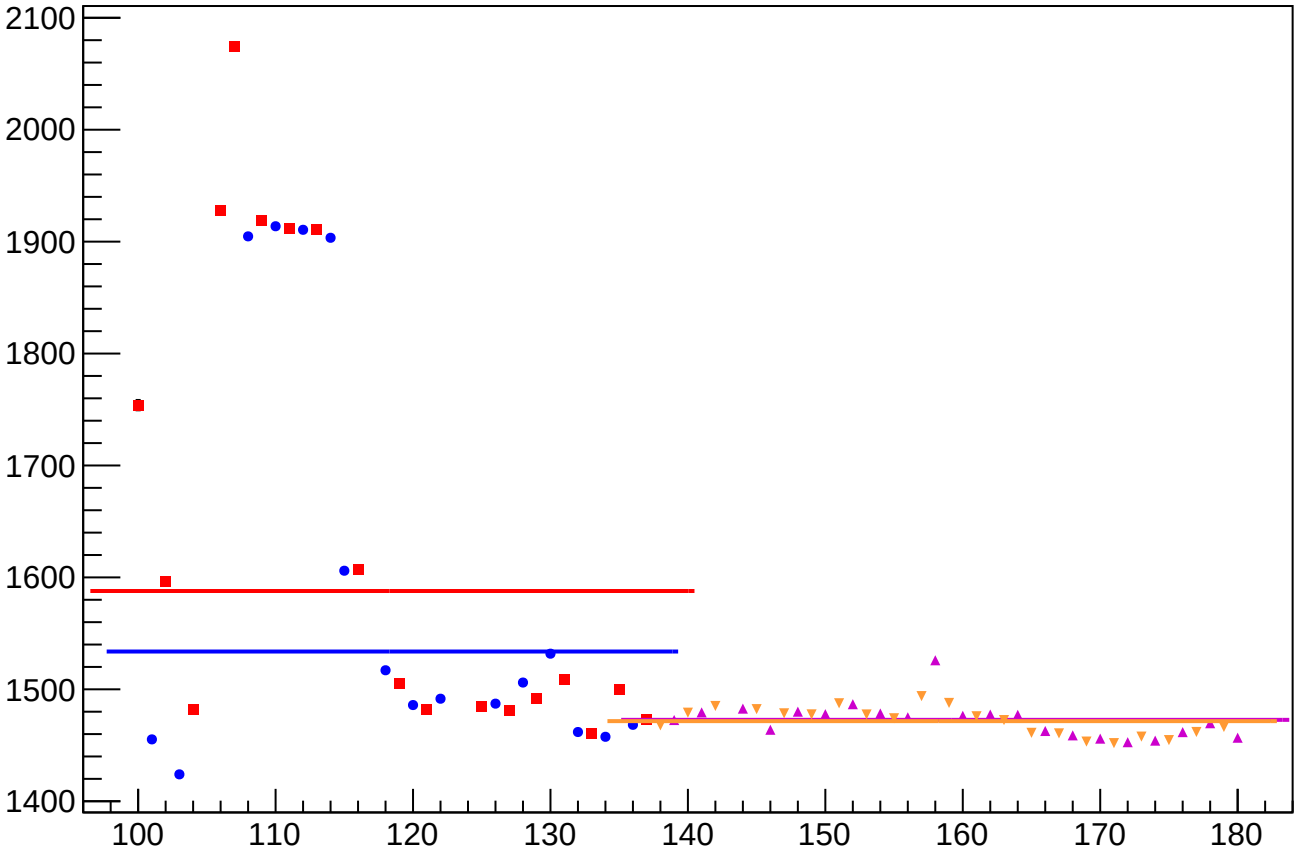
Left: 1605.845+/-252.745 χ^2/NDF: 41.6/41

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1803.948+/-301.392 χ^2/NDF:36.5/36

Out: 1506.910+/-307.510 χ^2/NDF:33.3/38

All: 1658.413+/-215.247 χ^2/NDF: 70.2/75



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1472.721+/-0.251 χ^2/NDF:3923.2/20

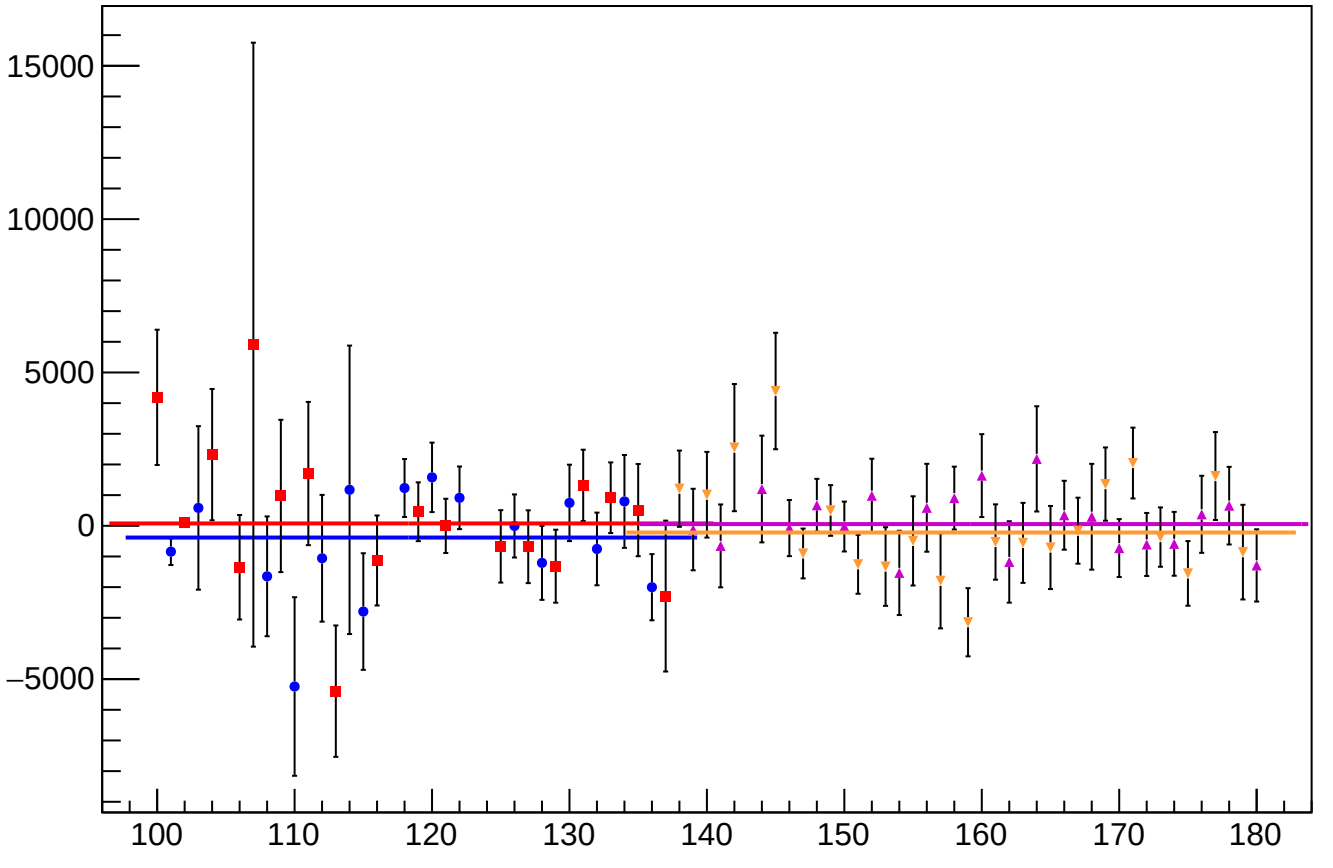
Left: 1472.158+/-0.179 χ^2/NDF: 6197.5/41

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1489.656+/-0.213 χ^2/NDF:149643.7/36

Out: 1503.194+/-0.217 χ^2/NDF:232638.8/38

All: 1496.289+/-0.152 χ^2/NDF: 384259.6/75



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.761+/-258.001 χ^2/NDF:30.5/20

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 56.093+/-252.324 χ^2/NDF:11.0/20

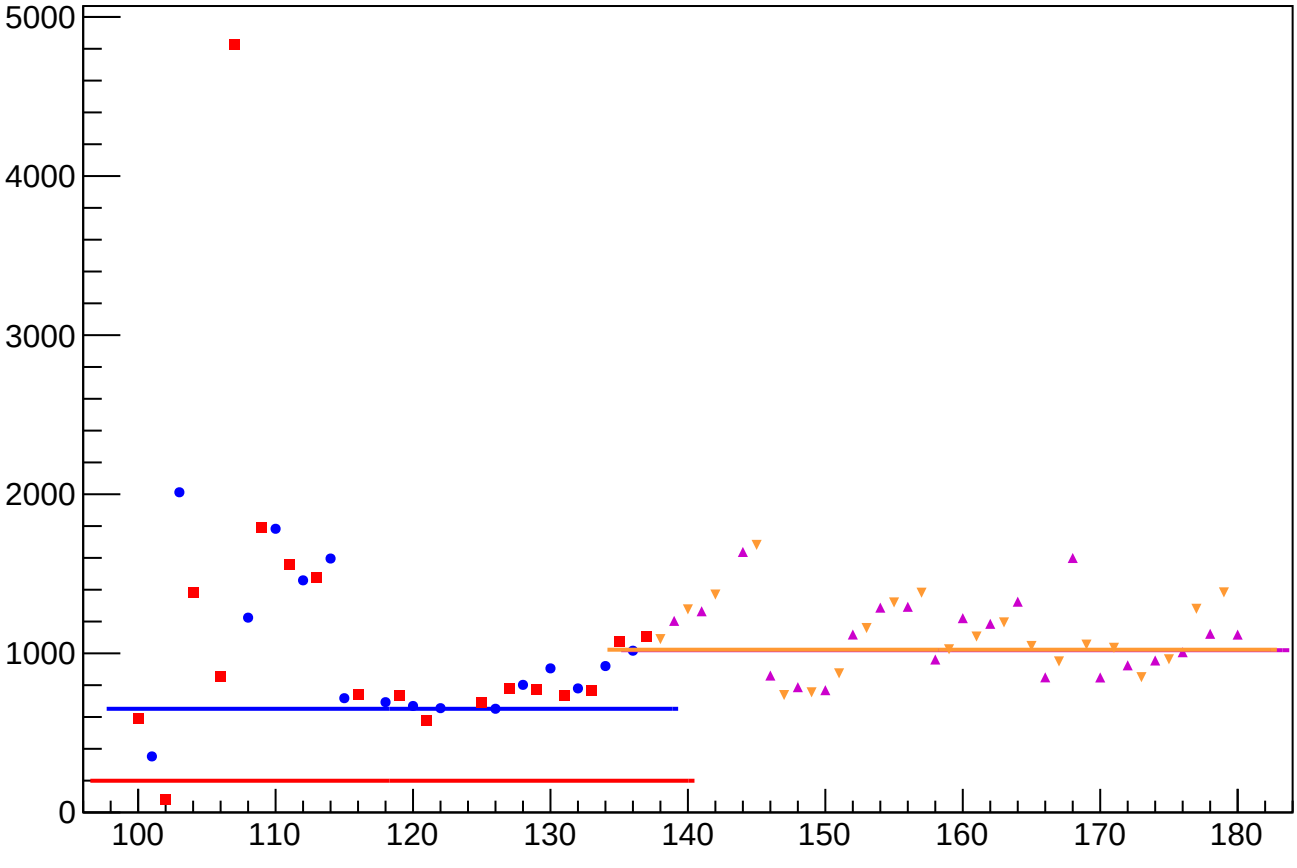
Left: -78.277+/-180.394 χ^2/NDF: 42.0/41

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.722+/-185.051 χ^2/NDF:30.6/36

Out: 10.914+/-121.780 χ^2/NDF:50.0/38

All: -36.724+/-101.728 χ^2/NDF: 81.0/75



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1019.764+/-0.178 χ^2/NDF:1450036.2/20

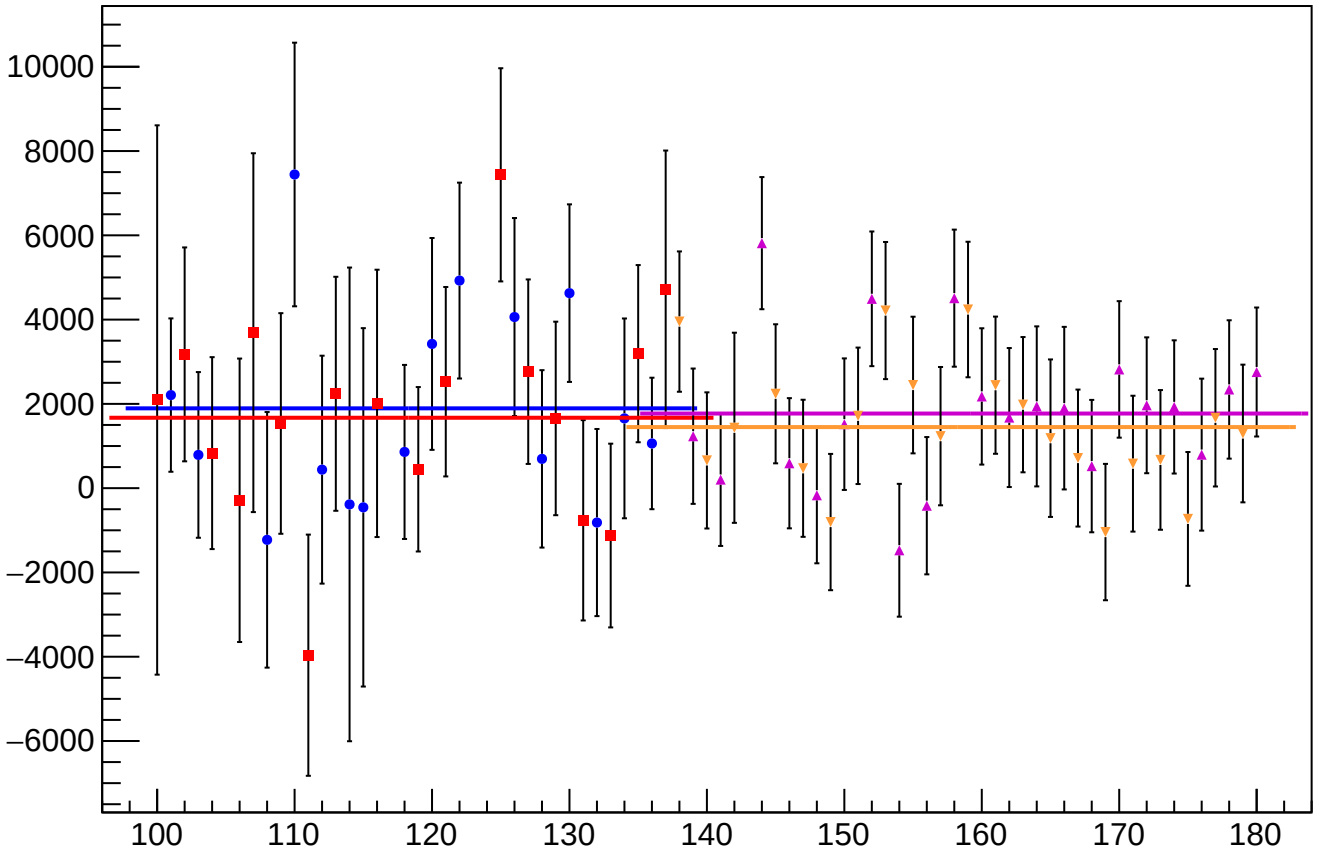
Left: 1021.285+/-0.128 χ^2/NDF: 2834227.4/41

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 849.582+/-0.131 χ^2/NDF:6181323.8/36

Out: 382.825+/-0.086 χ^2/NDF:26506100.2/38

All: 523.881+/-0.072 χ^2/NDF: 41566305.3/75



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1449.491+/-360.984 χ^2/NDF:16.9/20

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1770.952+/-355.057 χ^2/NDF:23.6/20

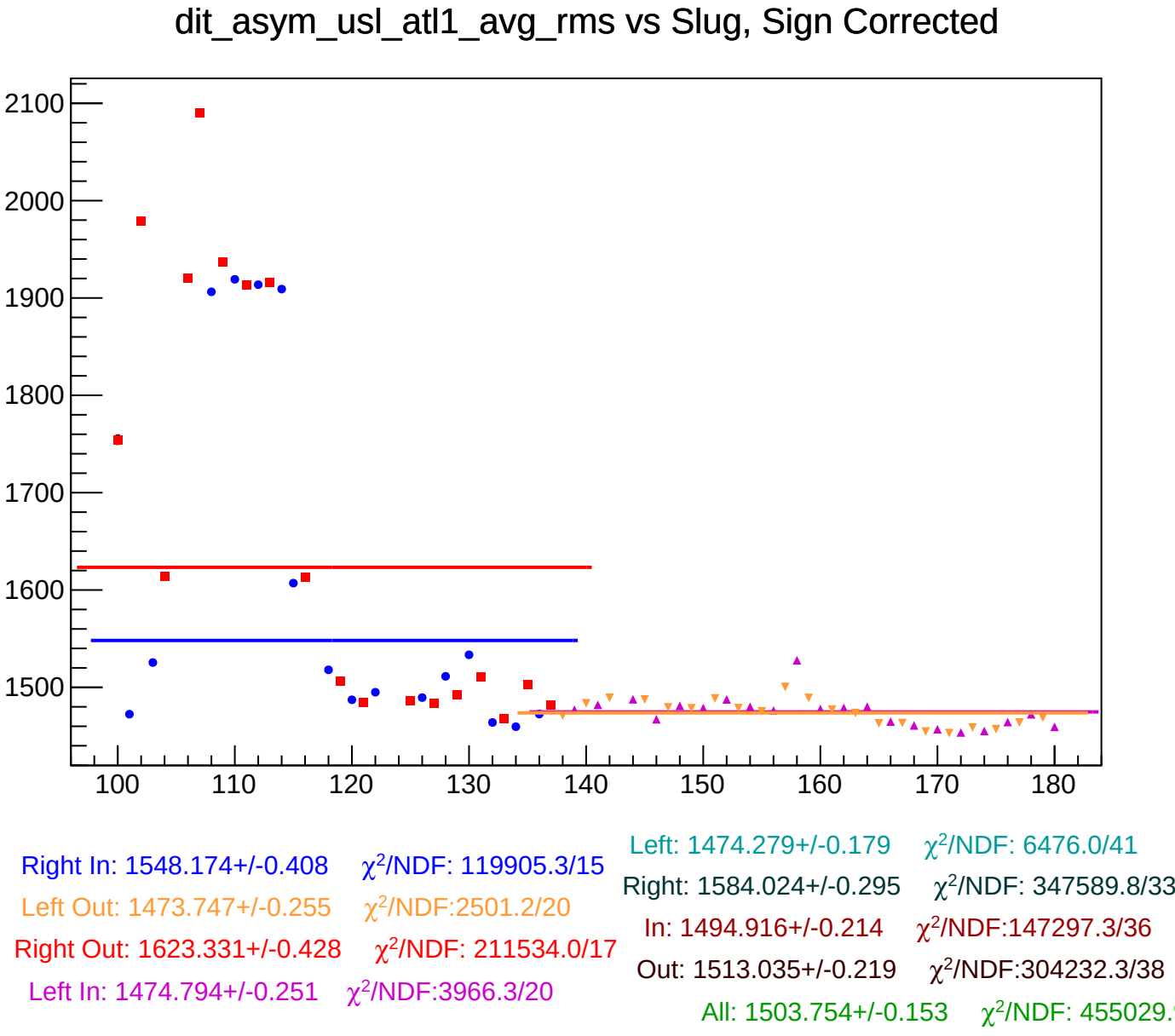
Left: 1612.882+/-253.133 χ^2/NDF: 40.8/41

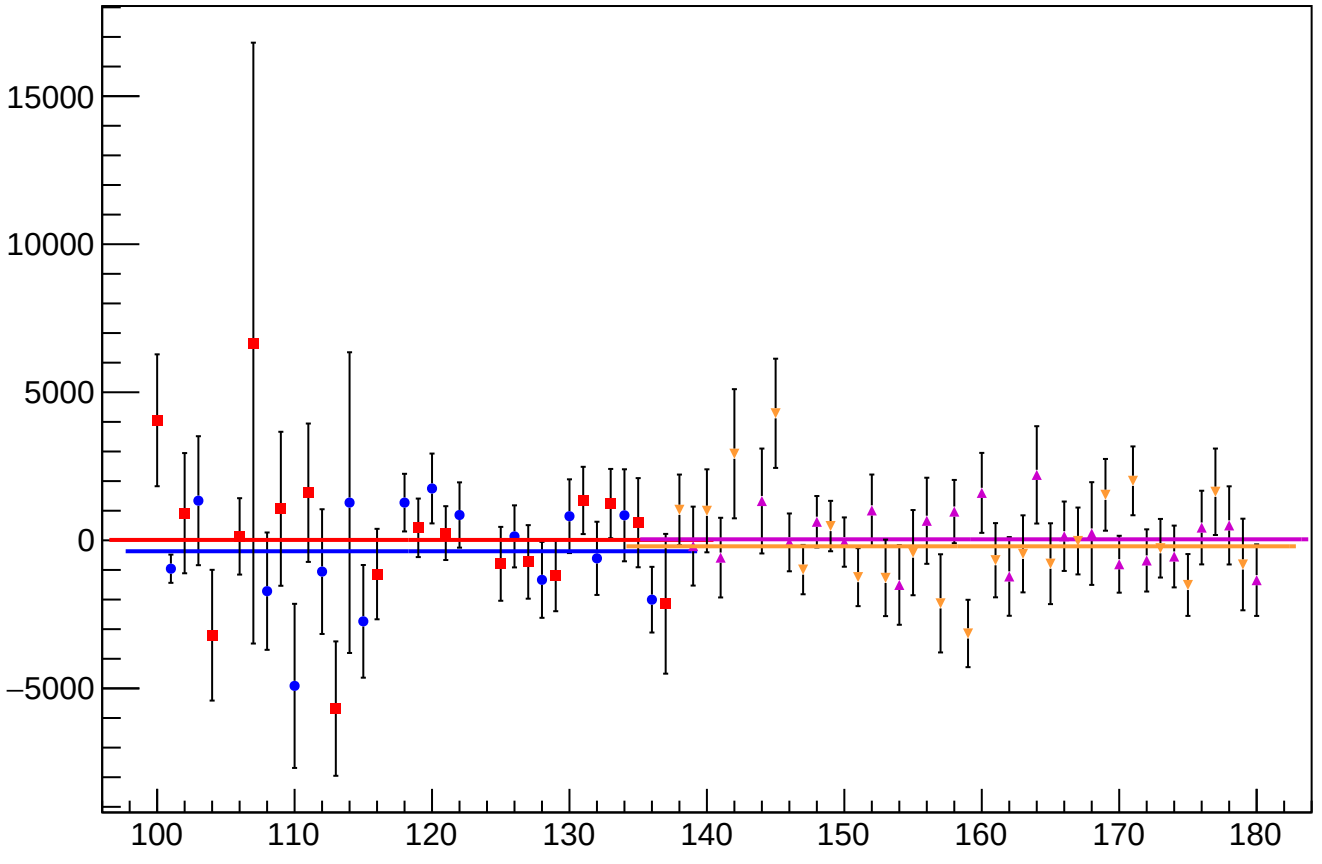
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1804.742+/-302.483 χ^2/NDF:35.9/36

Out: 1507.652+/-309.974 χ^2/NDF:32.0/38

All: 1659.830+/-216.488 χ^2/NDF: 68.3/75


dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected
2100
2000
1900
1800
1700
1600
1500
100
110
120
130
140
150
160
170
180
Right In: 1548.174+/-0.408 χ²/NDF: 119905.3/15
Left Out: 1473.747+/-0.255 χ²/NDF:2501.2/20
Right Out: 1623.331+/-0.428 χ²/NDF: 211534.0/17
Left In: 1474.794+/-0.251 χ²/NDF:3966.3/20
Left: 1474.279+/-0.179 χ²/NDF: 6476.0/41
Right: 1584.024+/-0.295 χ²/NDF: 347589.8/33
In: 1494.916+/-0.214 χ²/NDF:147297.3/36
Out: 1513.035+/-0.219 χ²/NDF:304232.3/38
All: 1503.754+/-0.153 χ²/NDF: 455029.9/75



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -201.462+/-261.726 χ^2/NDF:30.6/20

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 34.598+/-256.560 χ^2/NDF:11.3/20

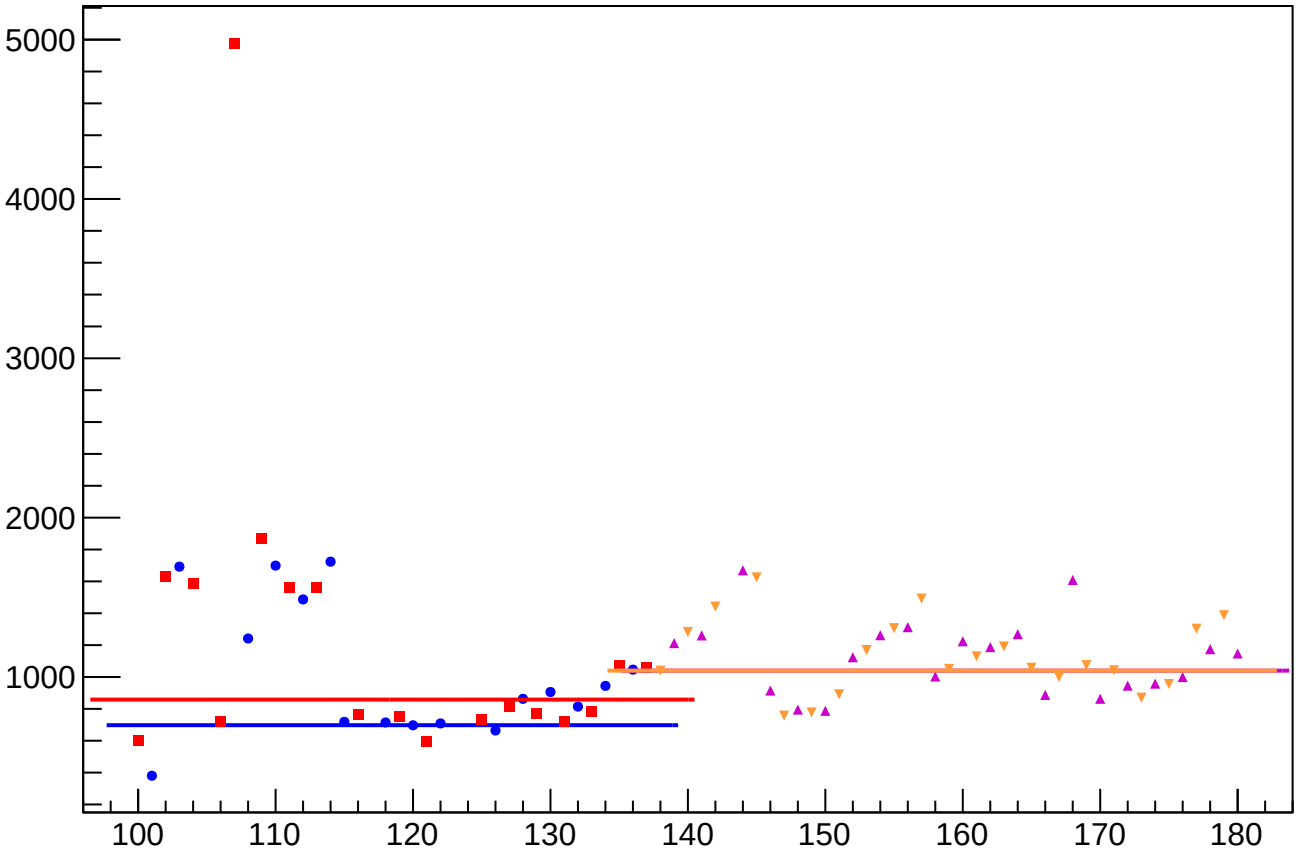
Left: -81.079+/-183.215 χ^2/NDF: 42.3/41

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -144.834+/-191.150 χ^2/NDF:31.2/36

Out: -121.856+/-207.750 χ^2/NDF:49.9/38

All: -134.300+/-140.666 χ^2/NDF: 81.2/75



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1039.995+/-0.185 χ^2/NDF:1312591.3/20

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1039.879+/-0.181 χ^2/NDF:1336266.4/20

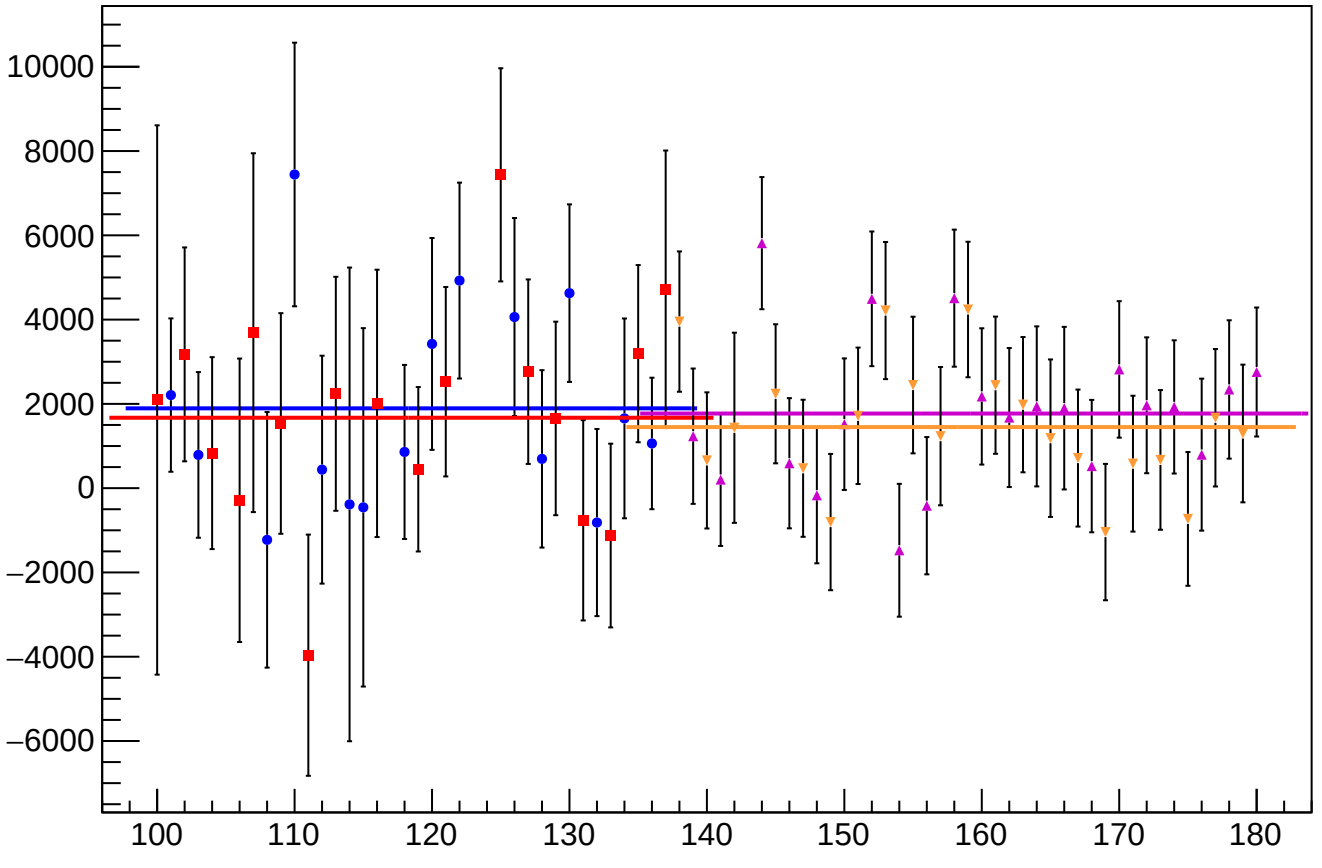
Left: 1039.935+/-0.130 χ^2/NDF: 2648858.0/41

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 887.560+/-0.135 χ^2/NDF:5356353.7/36

Out: 972.704+/-0.147 χ^2/NDF:3552128.4/38

All: 926.595+/-0.099 χ^2/NDF: 9090404.0/75



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1449.490+/-360.984 χ^2/NDF:16.9/20

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1770.953+/-355.057 χ^2/NDF:23.6/20

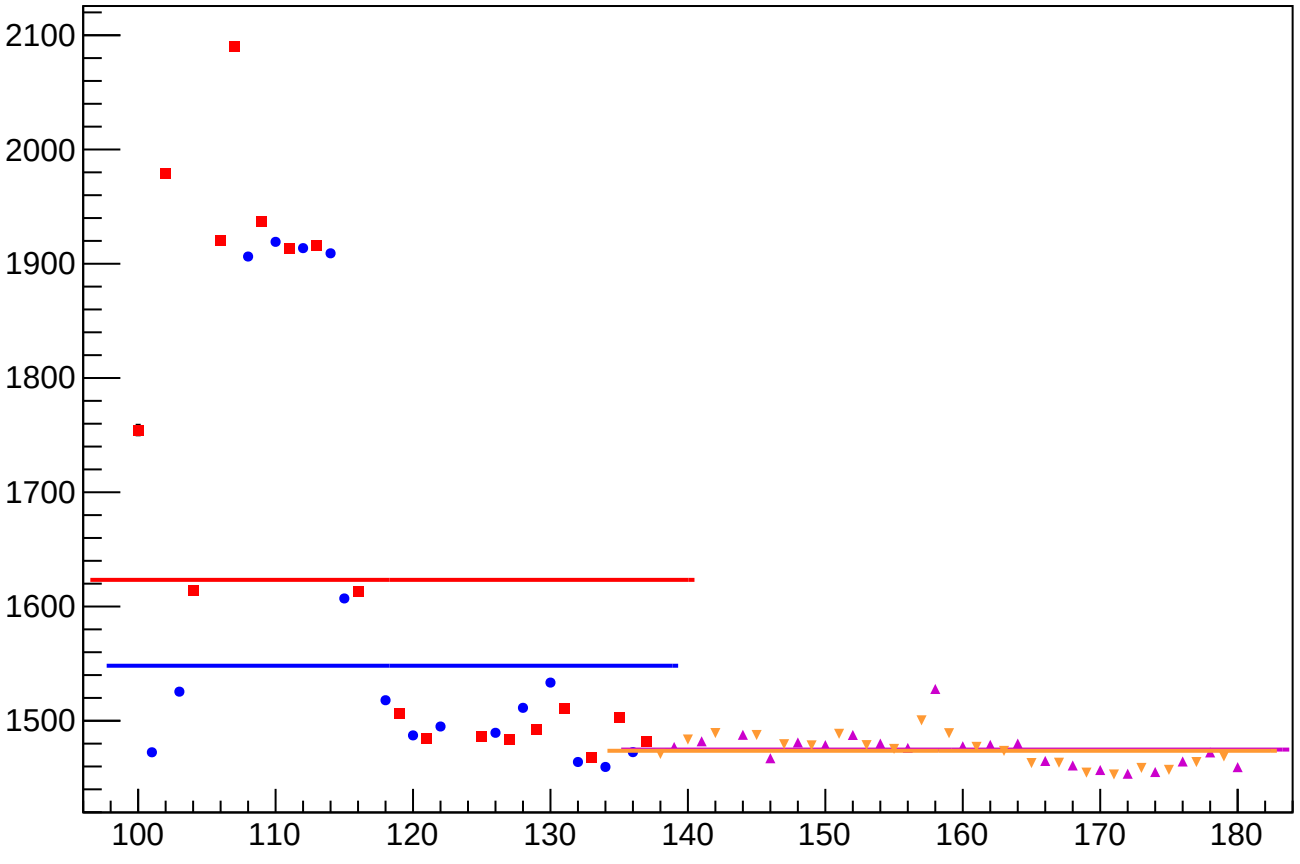
Left: 1612.882+/-253.133 χ^2/NDF: 40.8/41

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1804.742+/-302.483 χ^2/NDF:35.9/36

Out: 1507.651+/-309.974 χ^2/NDF:32.0/38

All: 1659.830+/-216.488 χ^2/NDF: 68.3/75



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1473.747+/-0.255 χ^2/NDF:2501.2/20

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1474.794+/-0.251 χ^2/NDF:3966.3/20

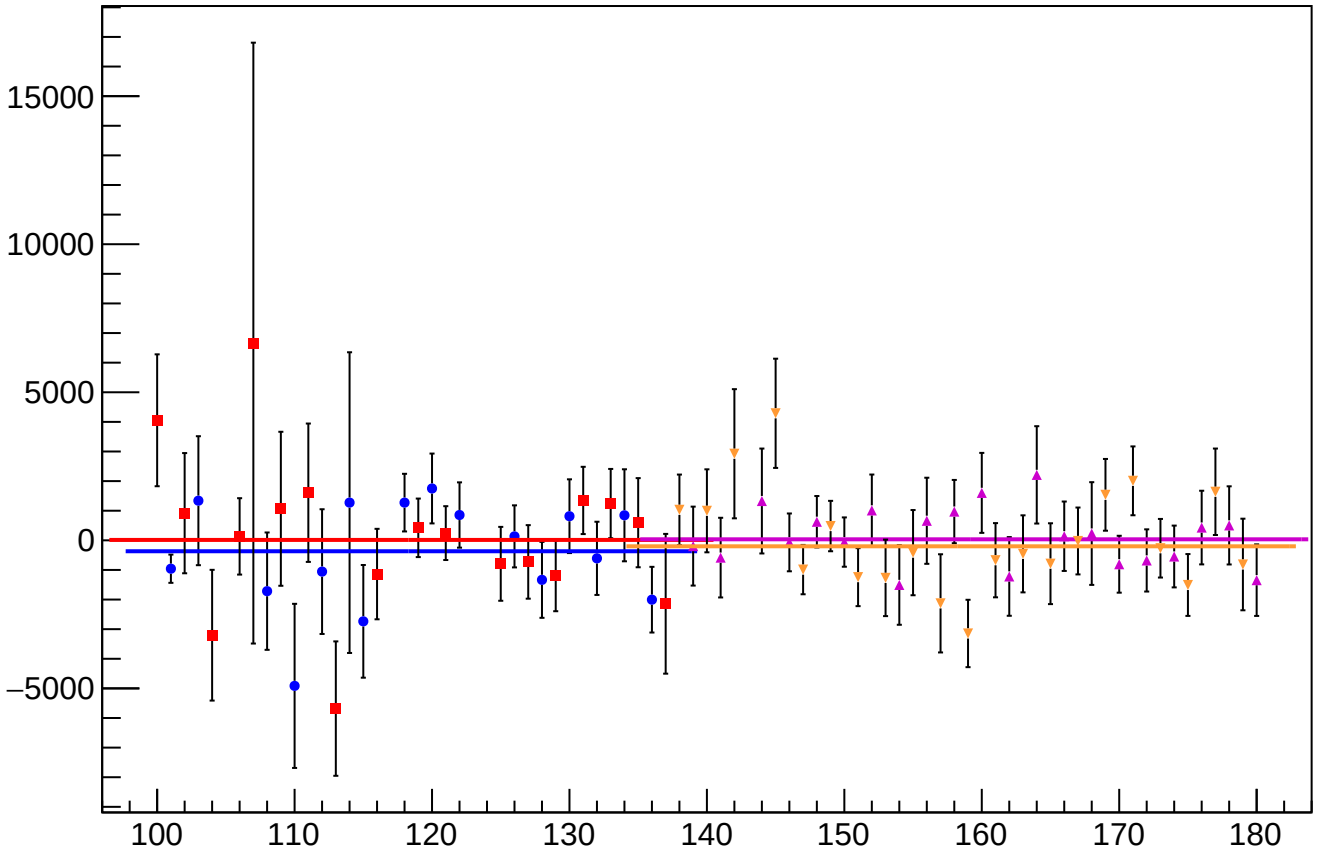
Left: 1474.279+/-0.179 χ^2/NDF: 6476.0/41

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1494.916+/-0.214 χ^2/NDF:147297.2/36

Out: 1513.035+/-0.219 χ^2/NDF:304231.8/38

All: 1503.754+/-0.153 χ^2/NDF: 455029.3/75



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -201.464+/-261.726 χ^2/NDF:30.6/20

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 34.598+/-256.561 χ^2/NDF:11.3/20

Left: -81.080+/-183.215 χ^2/NDF: 42.3/41

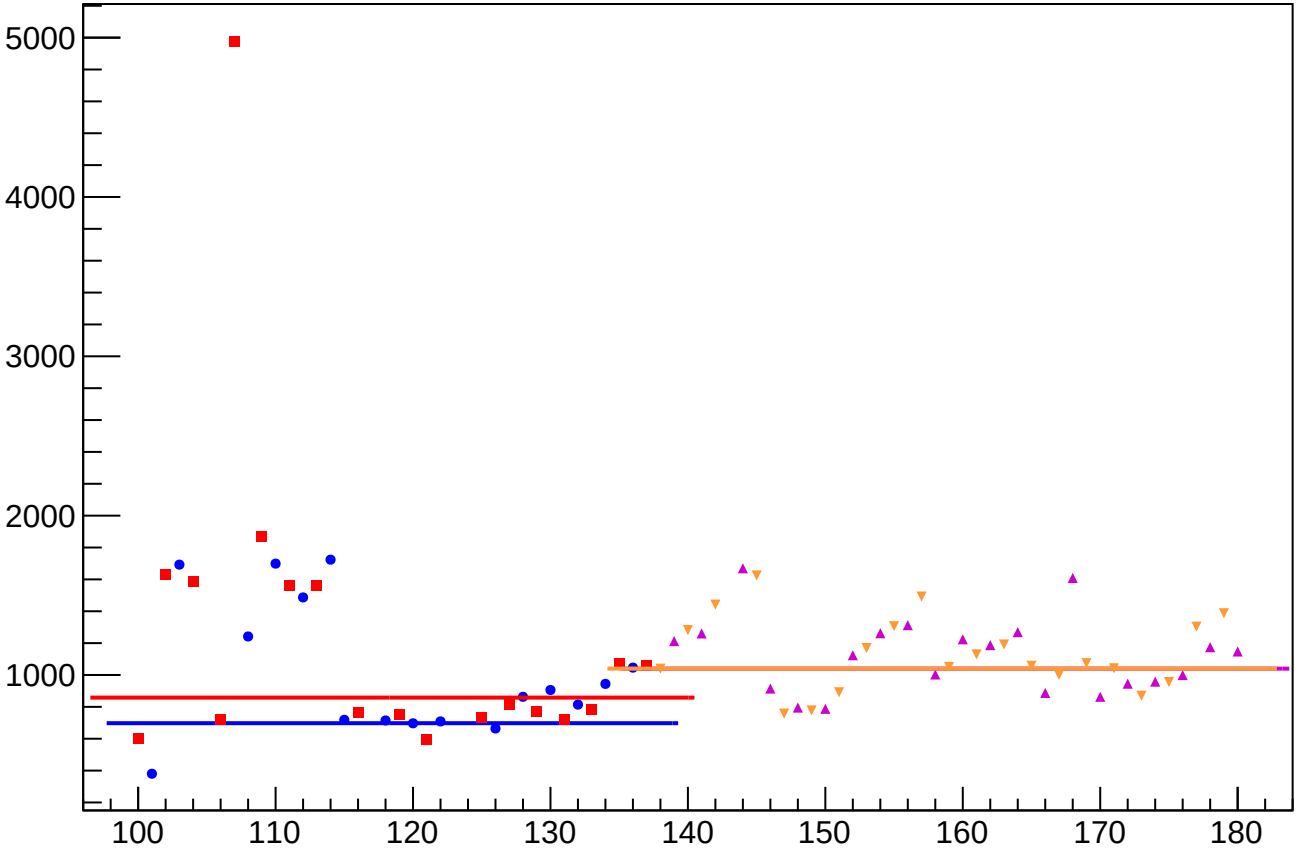
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -144.834+/-191.150 χ^2/NDF:31.2/36

Out: -121.856+/-207.750 χ^2/NDF:49.9/38

All: -134.300+/-140.666 χ^2/NDF: 81.2/75

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: 1039.996+/-0.185 χ^2/NDF:1312589.4/20

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1039.880+/-0.181 χ^2/NDF:1336262.7/20

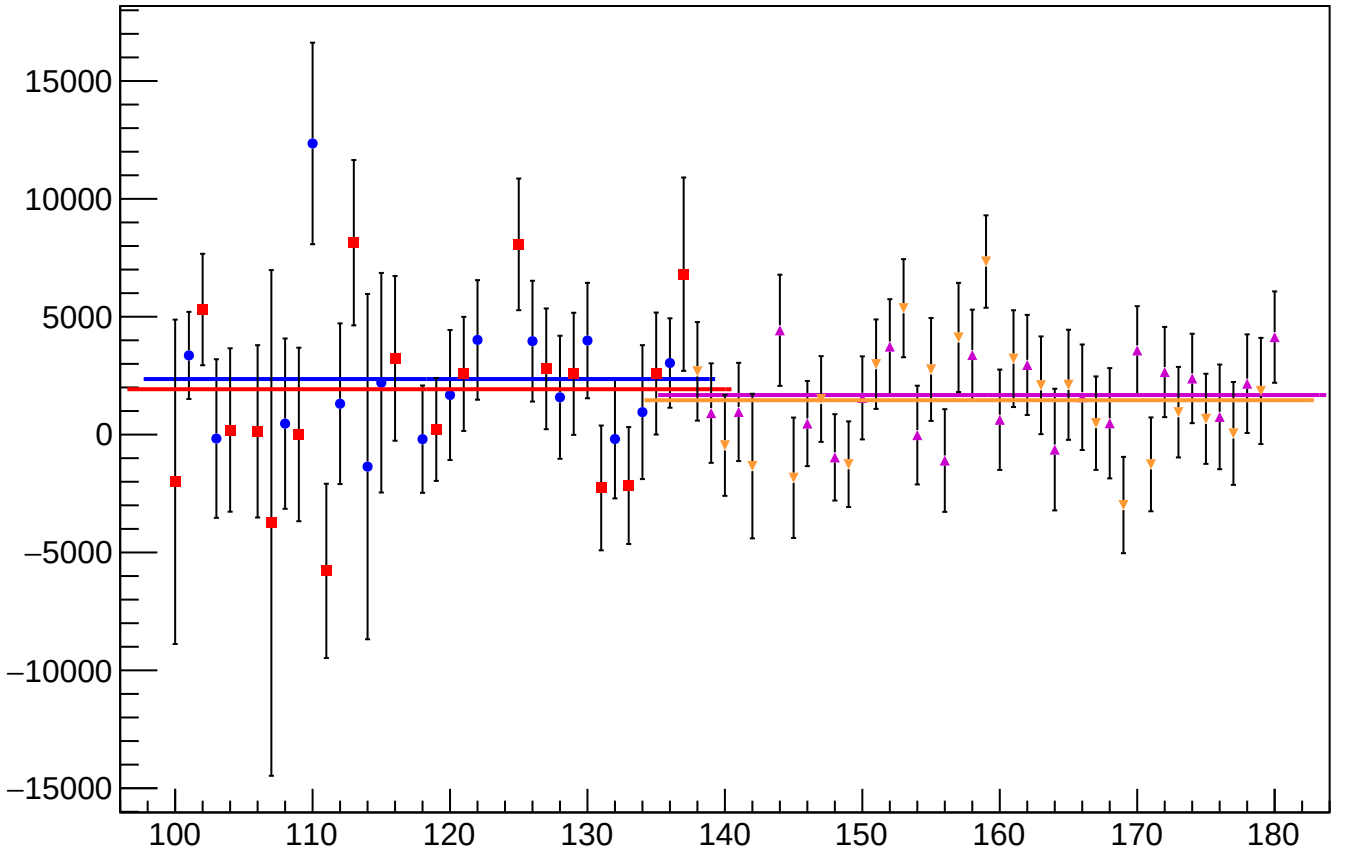
Left: 1039.937+/-0.130 χ^2/NDF: 2648852.3/41

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 887.561+/-0.135 χ^2/NDF:5356355.5/36

Out: 972.704+/-0.147 χ^2/NDF:3552148.9/38

All: 926.596+/-0.099 χ^2/NDF: 9090423.9/75



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1457.922+/-455.096 χ^2/NDF:29.2/20

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1677.972+/-446.071 χ^2/NDF:13.2/20

Left: 1570.150+/-318.563 χ^2/NDF: 42.5/41

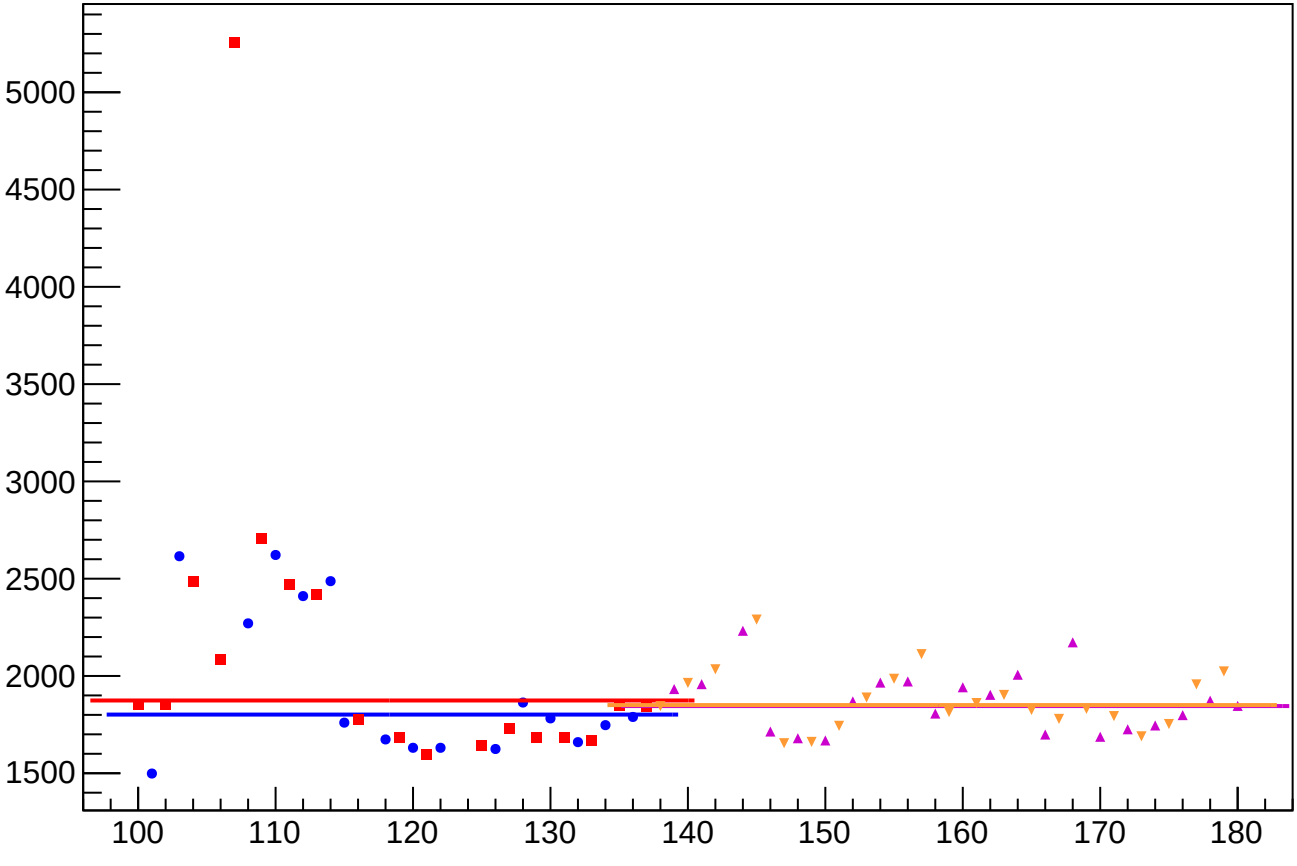
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1882.705+/-372.807 χ^2/NDF:24.9/36

Out: 1594.758+/-382.640 χ^2/NDF:52.9/38

All: 1742.479+/-267.023 χ^2/NDF: 78.1/75

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1850.384+/-0.322 χ^2/NDF:199558.9/20

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.284+/-0.315 χ^2/NDF:214419.8/20

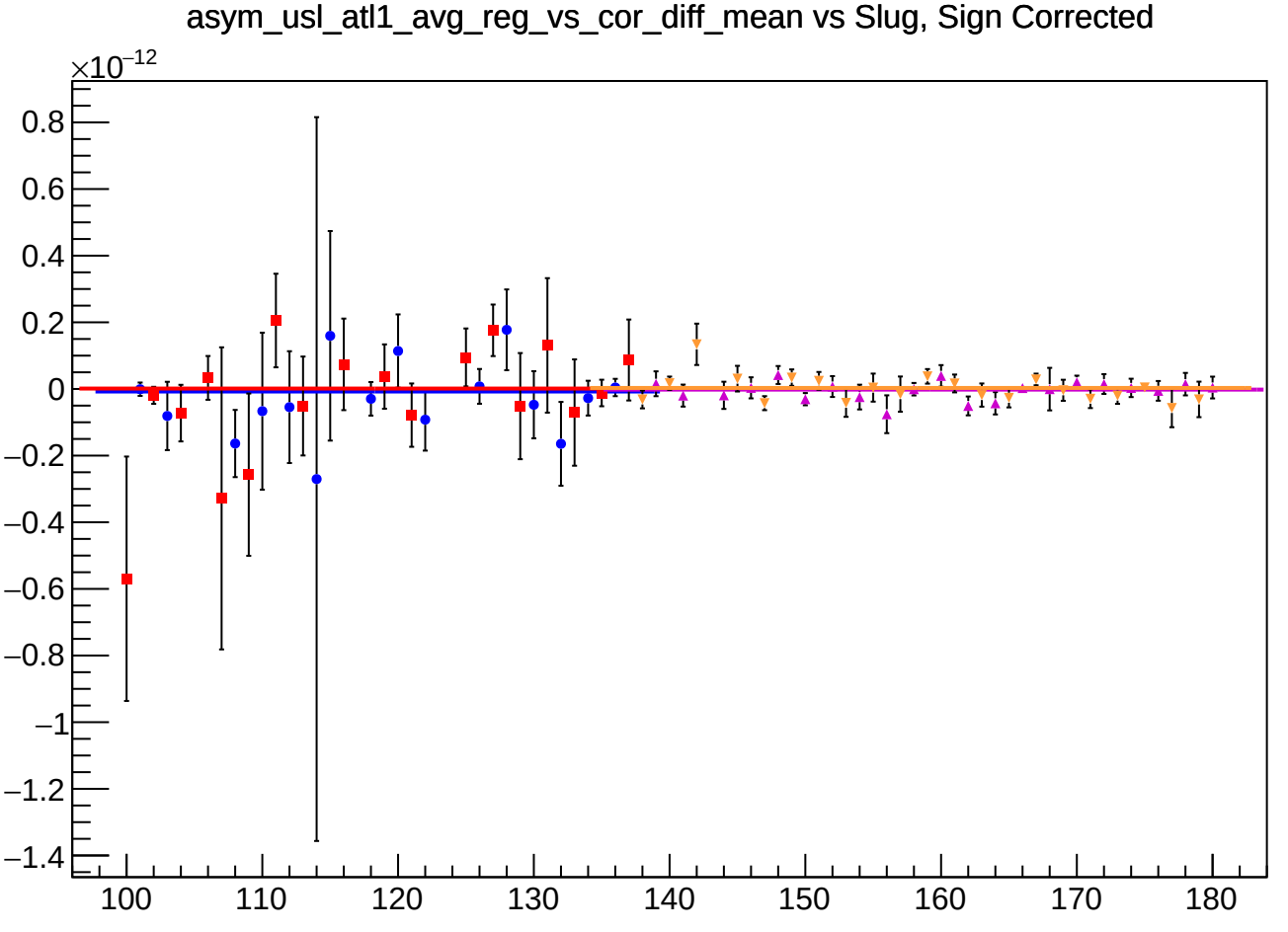
Left: 1847.783+/-0.225 χ^2/NDF: 414106.9/41

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1832.091+/-0.264 χ^2/NDF:620924.3/36

Out: 1857.299+/-0.271 χ^2/NDF:771043.1/38

All: 1844.367+/-0.189 χ^2/NDF: 1396420.2/75



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:16.0/20

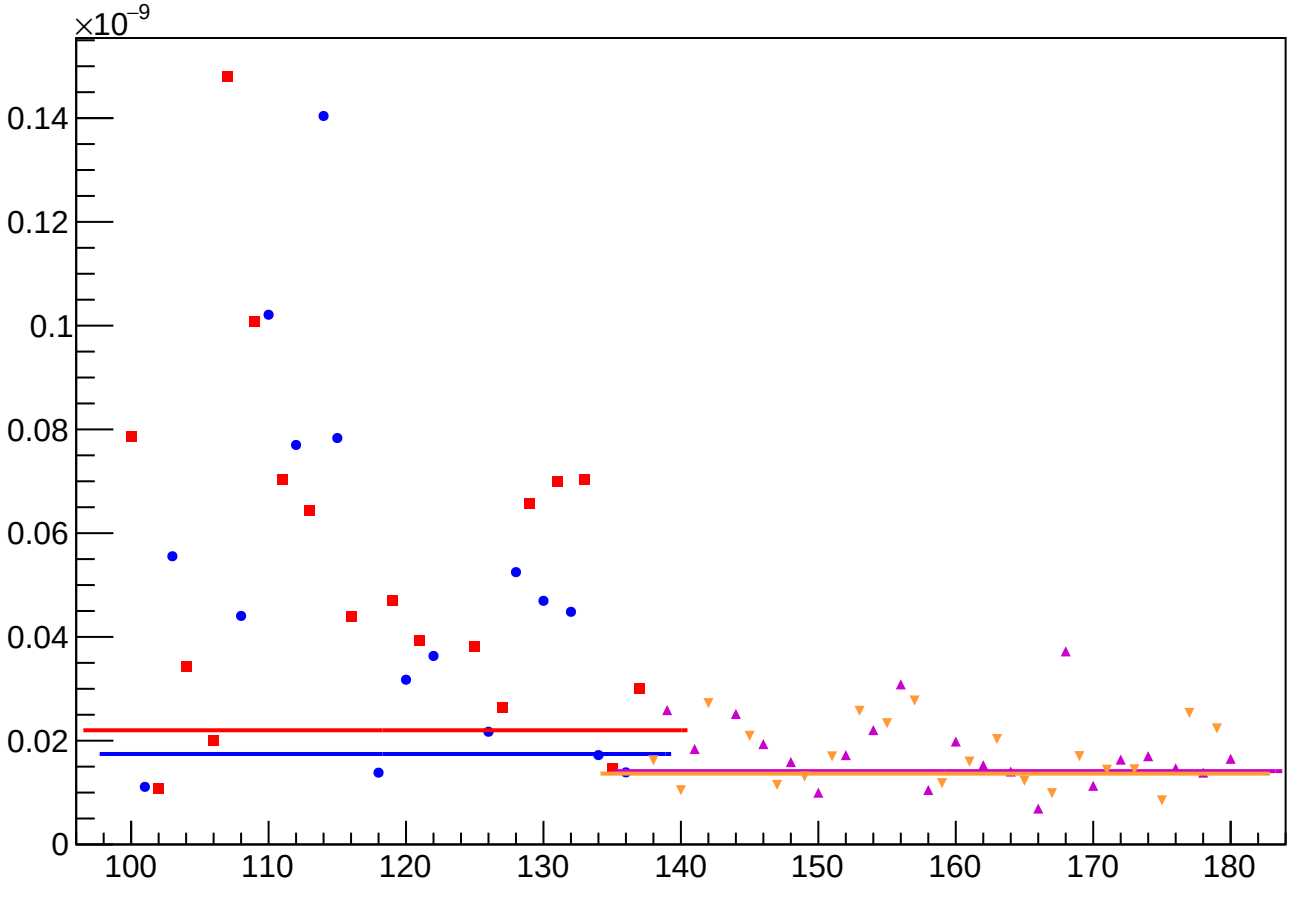
Left: 0.000+/-0.000 χ^2/NDF: 41.7/41

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.4/36

Out: 0.000+/-0.000 χ^2/NDF:42.1/38

All: -0.000+/-0.000 χ^2/NDF: 69.0/75



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1307776.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1783172.3/20

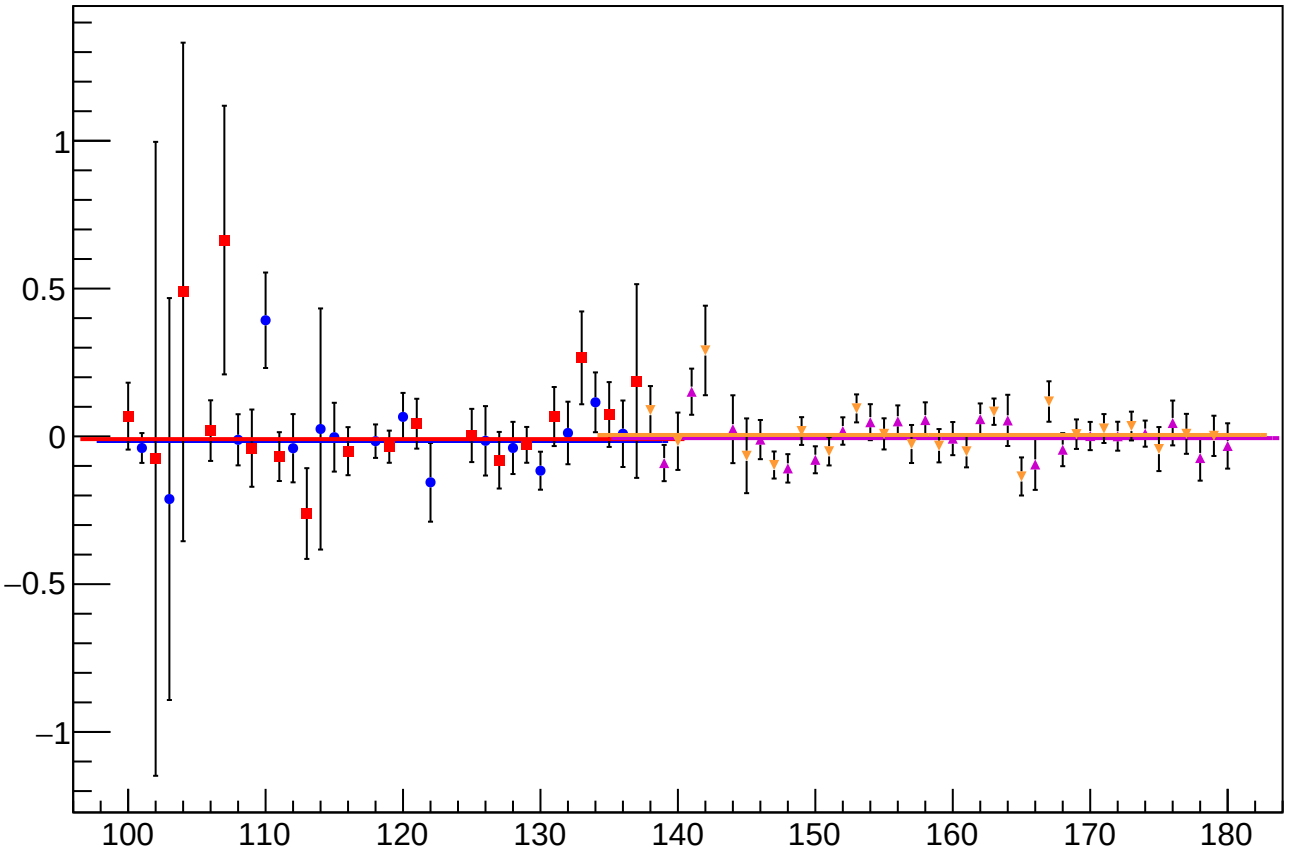
Left: 0.000+/-0.000 χ^2/NDF: 3097655.1/41

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3728218.2/36

Out: 0.000+/-0.000 χ^2/NDF:3832118.5/38

All: 0.000+/-0.000 χ^2/NDF: 7561445.6/75



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.013 χ^2/NDF:21.4/20

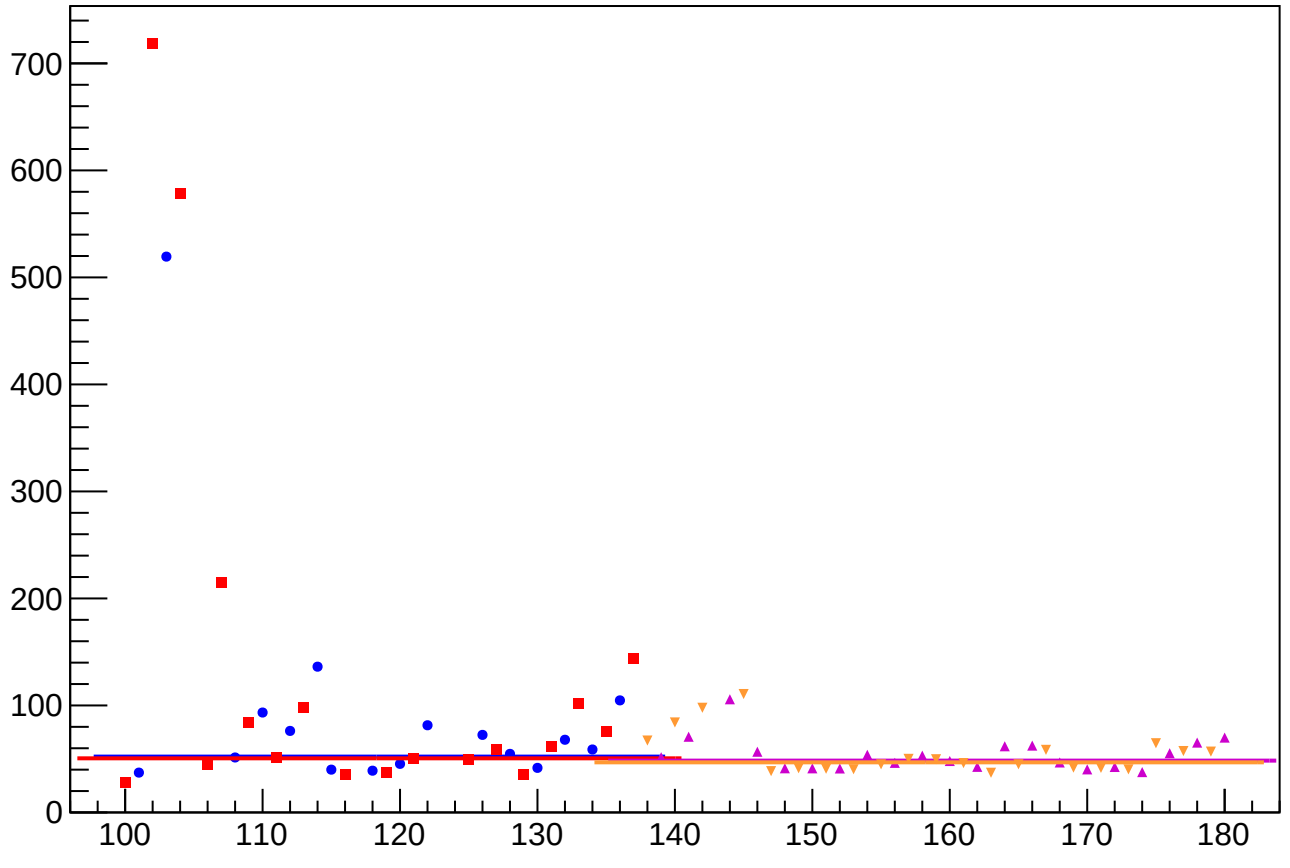
Left: -0.001+/-0.009 χ^2/NDF: 49.9/41

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/36

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 76.1/75



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.442+/-0.009 χ^2/NDF:1478052.3/20

Left: 47.634+/-0.006 χ^2/NDF: 3265065.8/41

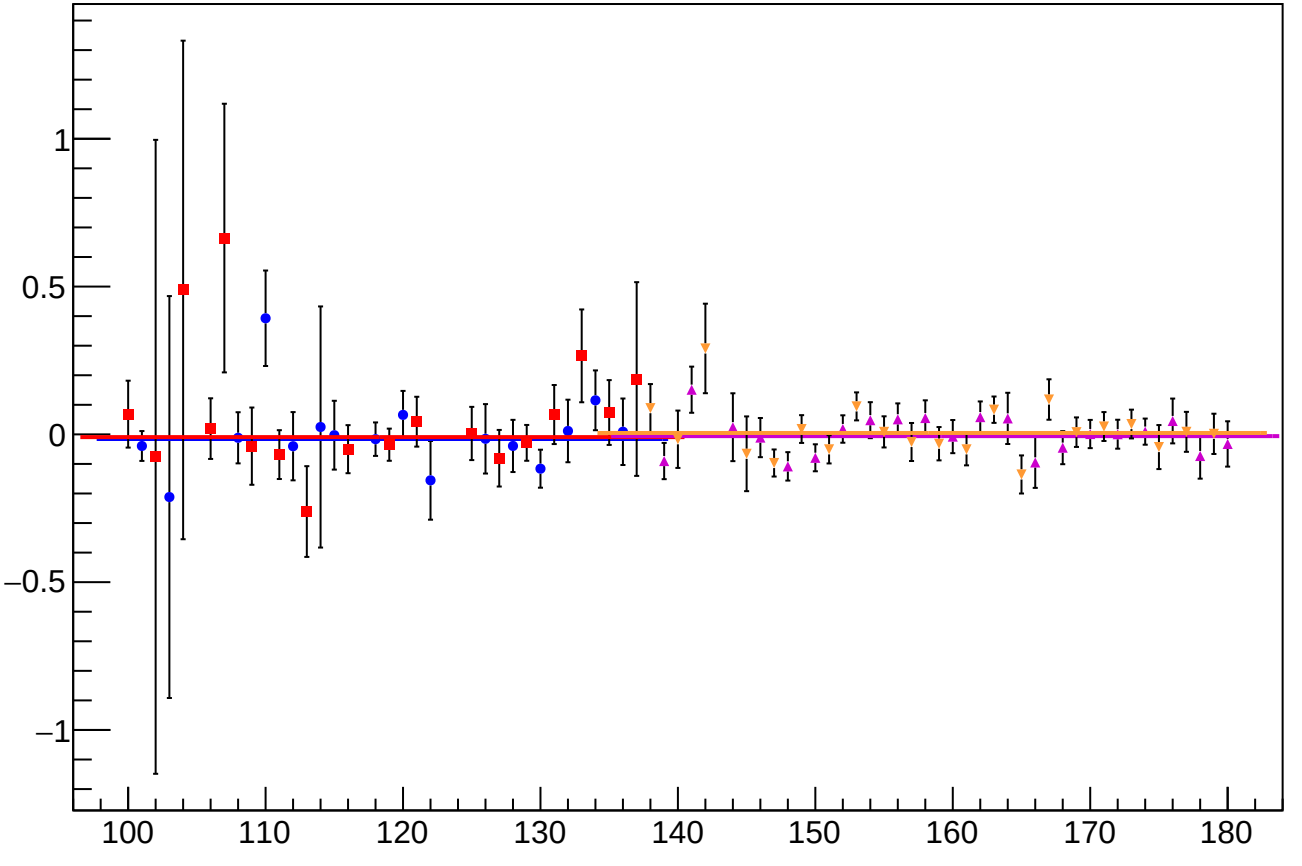
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.344+/-0.008 χ^2/NDF:3786603.4/36

Out: 47.674+/-0.008 χ^2/NDF:4861559.4/38

All: 48.512+/-0.006 χ^2/NDF: 8670673.8/75

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.013 χ^2/NDF:21.4/20

Left: -0.001+/-0.009 χ^2/NDF: 49.9/41

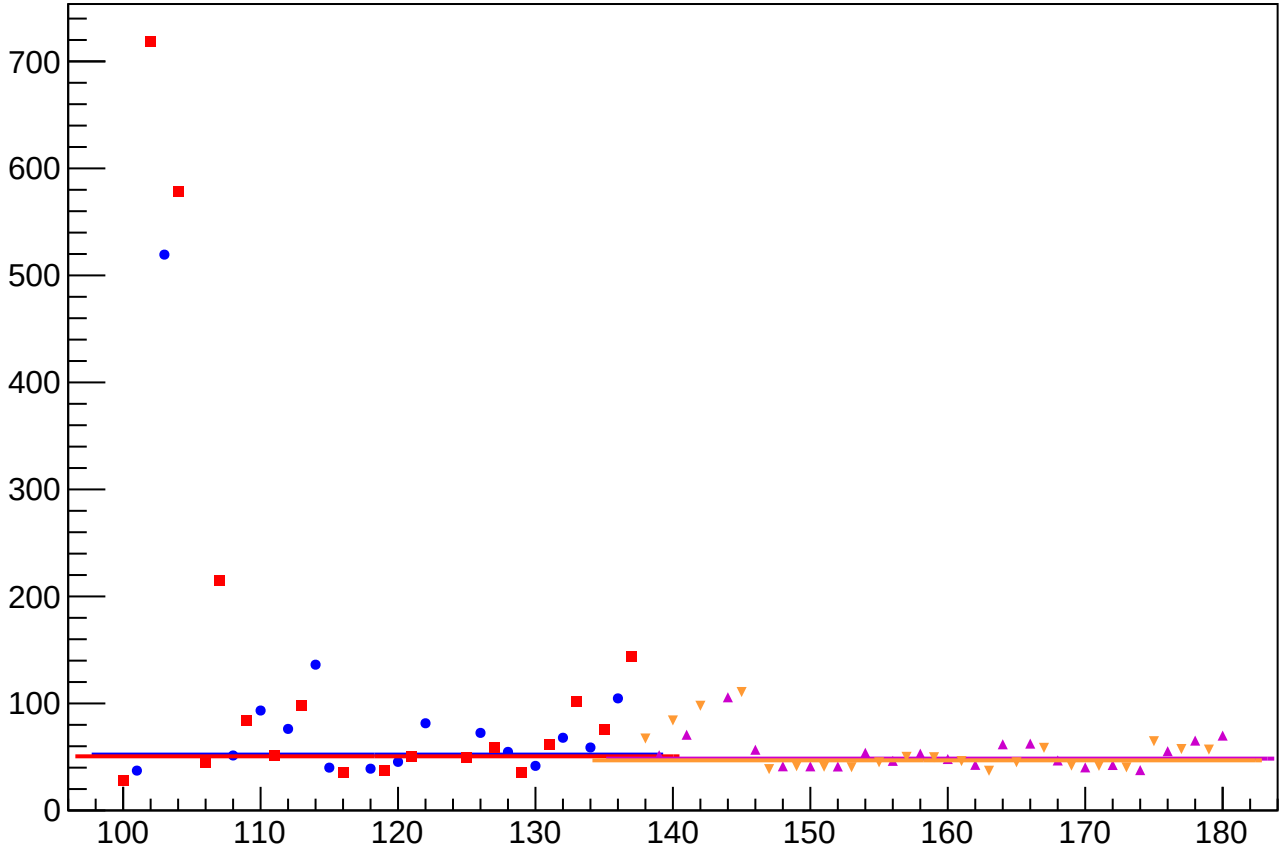
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/36

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 76.1/75

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: 46.839+/-0.009 χ^2/NDF:1771088.0/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.442+/-0.009 χ^2/NDF:1478052.3/20

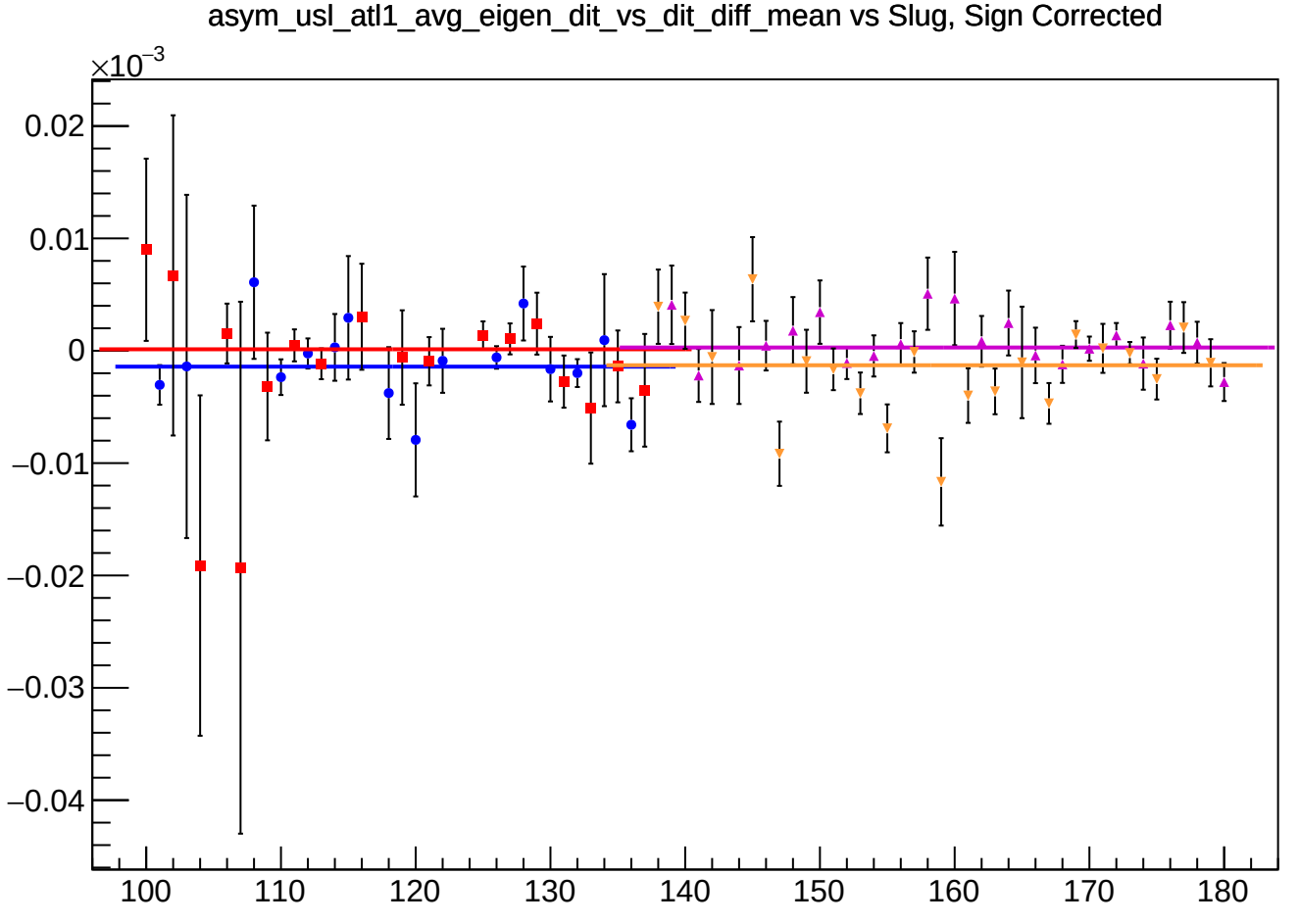
Left: 47.634+/-0.006 χ^2/NDF: 3265065.8/41

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.344+/-0.008 χ^2/NDF:3786603.4/36

Out: 47.674+/-0.008 χ^2/NDF:4861559.4/38

All: 48.512+/-0.006 χ^2/NDF: 8670673.8/75



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/20

Left: -0.000+/-0.000 χ^2/NDF: 71.1/41

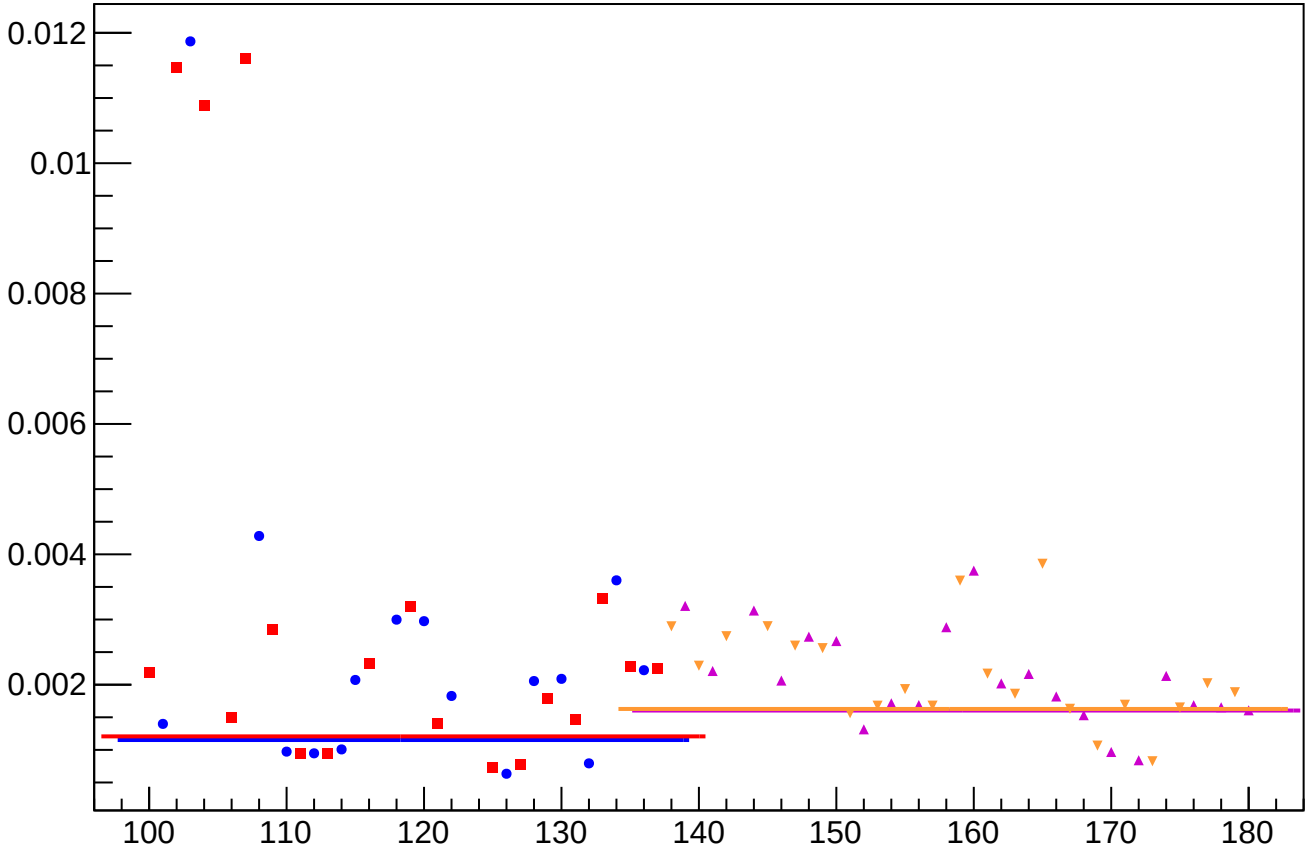
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:37.1/36

Out: -0.000+/-0.000 χ^2/NDF:64.4/38

All: -0.000+/-0.000 χ^2/NDF: 102.1/75

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4201981.6/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4495861.3/20

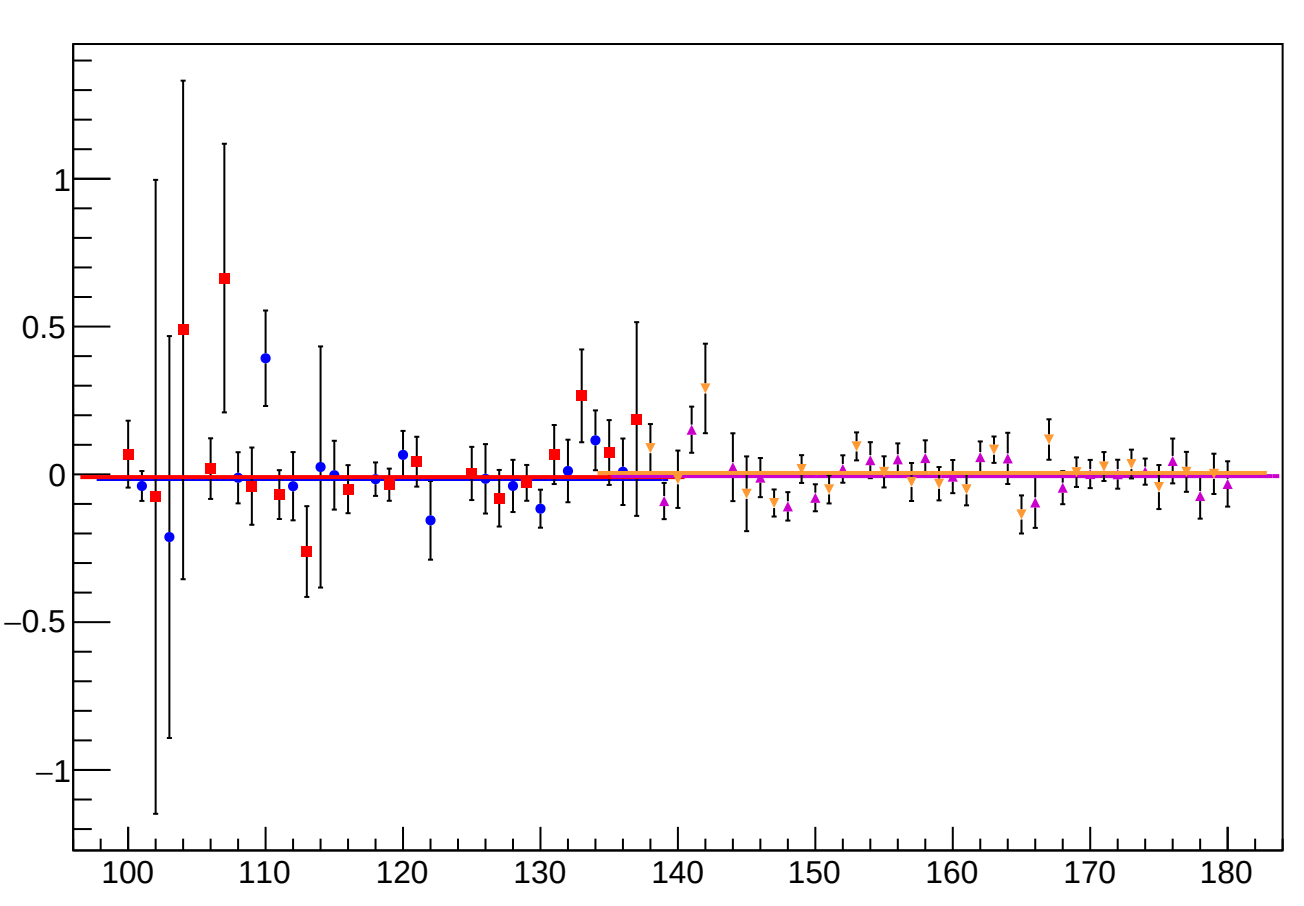
Left: 0.002+/-0.000 χ^2/NDF: 8700981.3/41

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9602730.2/36

Out: 0.001+/-0.000 χ^2/NDF:9428890.7/38

All: 0.001+/-0.000 χ^2/NDF: 19048944.1/75



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.013 χ^2/NDF:21.4/20

Left: -0.001+/-0.009 χ^2/NDF: 49.9/41

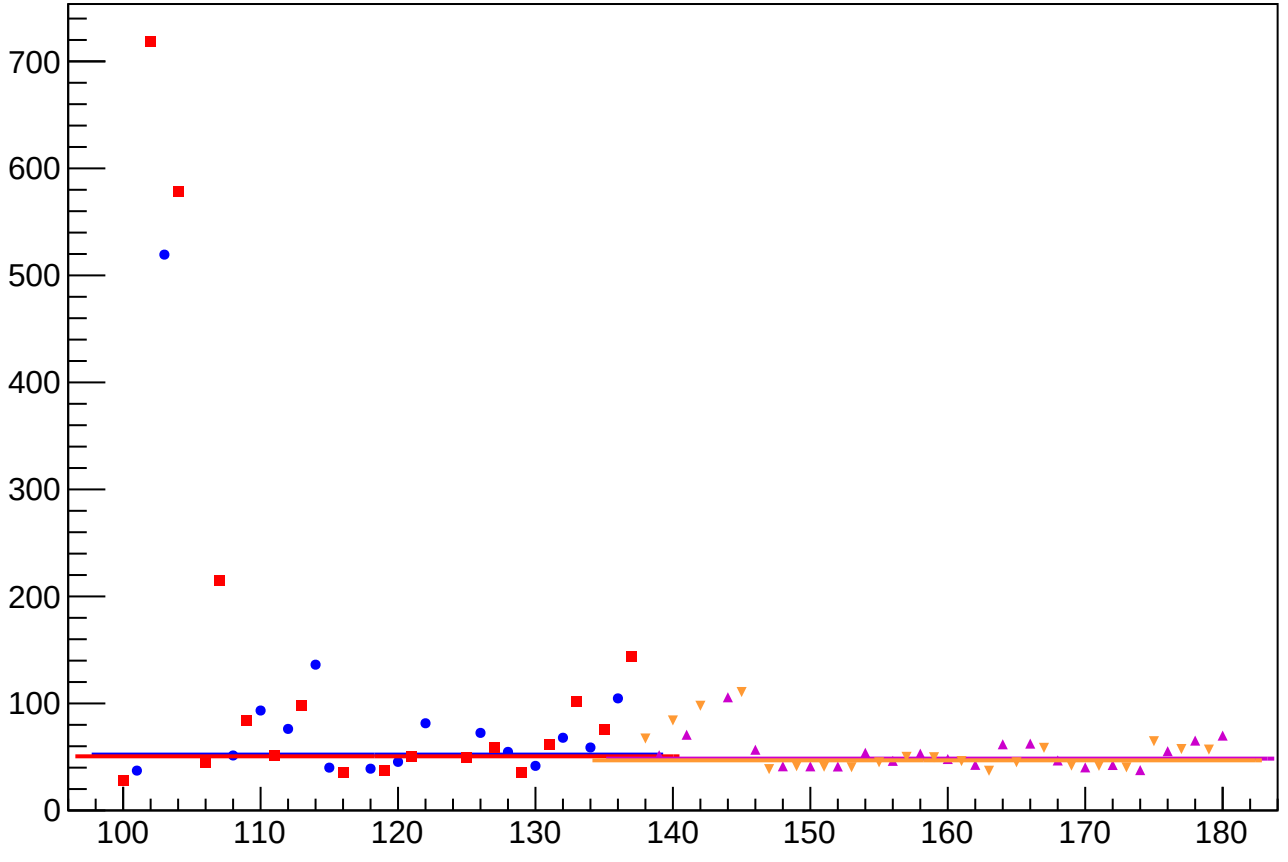
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/36

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 76.1/75

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: 46.839+/-0.009 χ^2/NDF:1771063.4/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

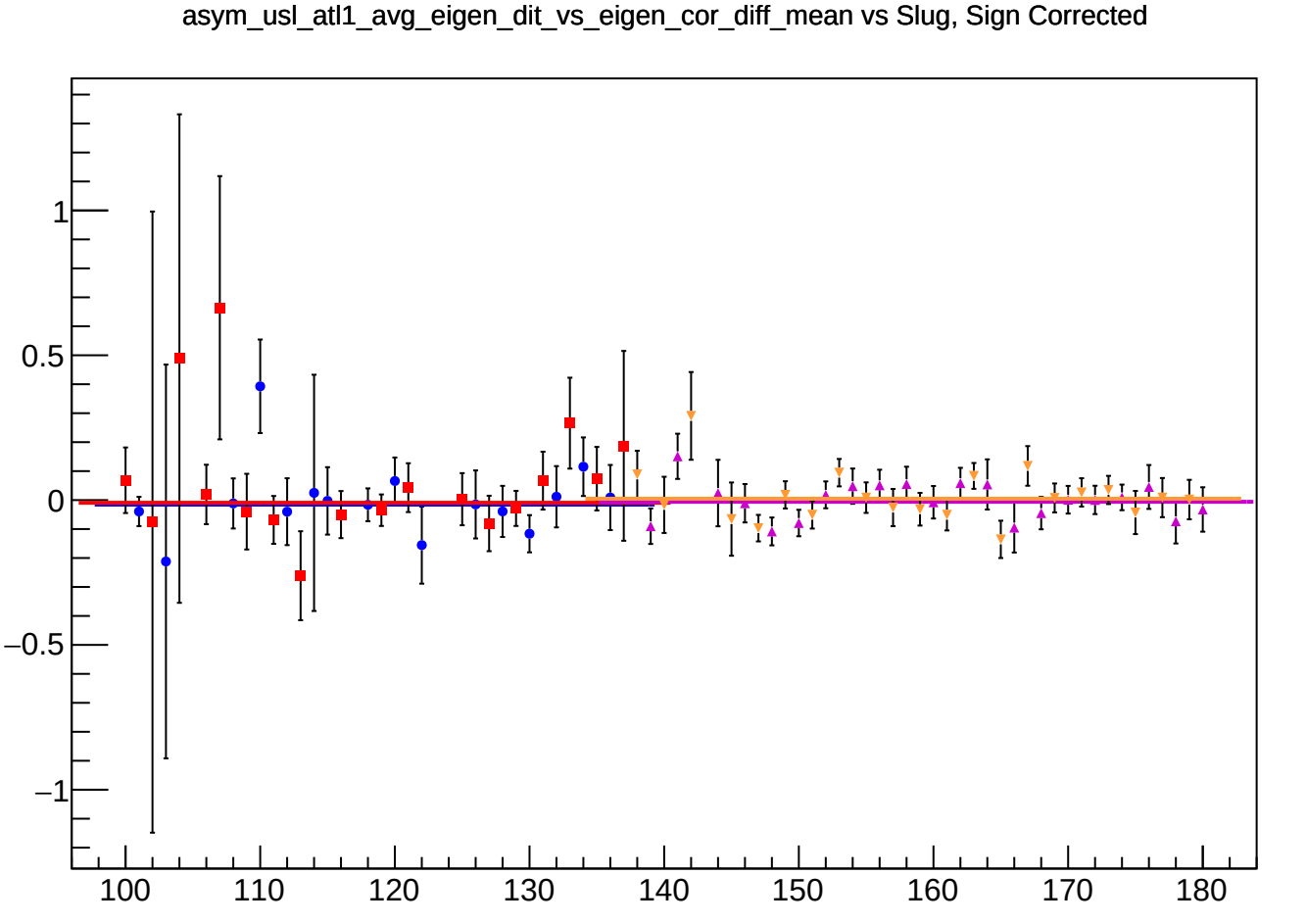
Left: 47.634+/-0.006 χ^2/NDF: 3265046.8/41

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.344+/-0.008 χ^2/NDF:3786600.1/36

Out: 47.675+/-0.008 χ^2/NDF:4861510.4/38

All: 48.512+/-0.006 χ^2/NDF: 8670620.0/75



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.013 χ^2/NDF:21.4/20

Left: -0.001+/-0.009 χ^2/NDF: 49.9/41

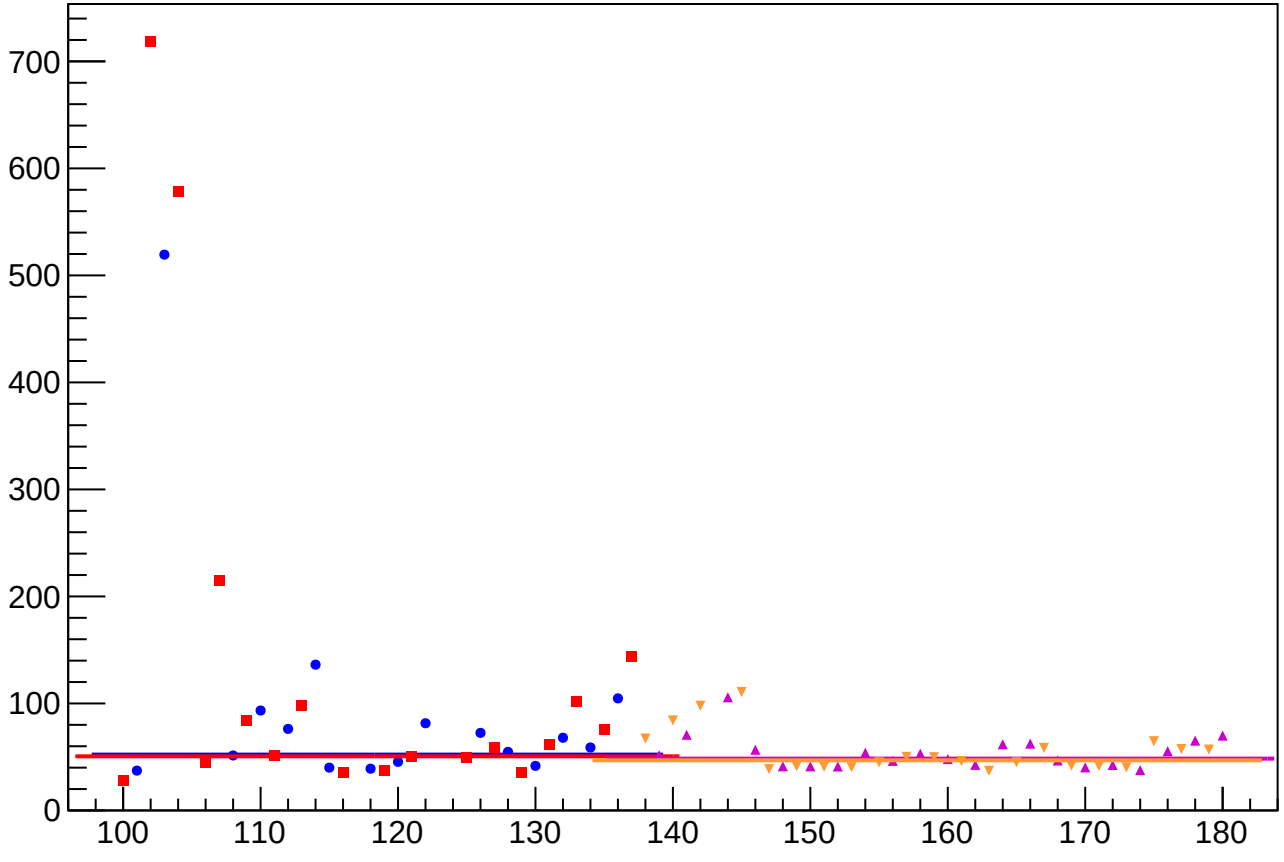
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.7/36

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 76.1/75

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: 46.839+/-0.009 χ^2/NDF:1771063.4/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.442+/-0.009 χ^2/NDF:1478059.9/20

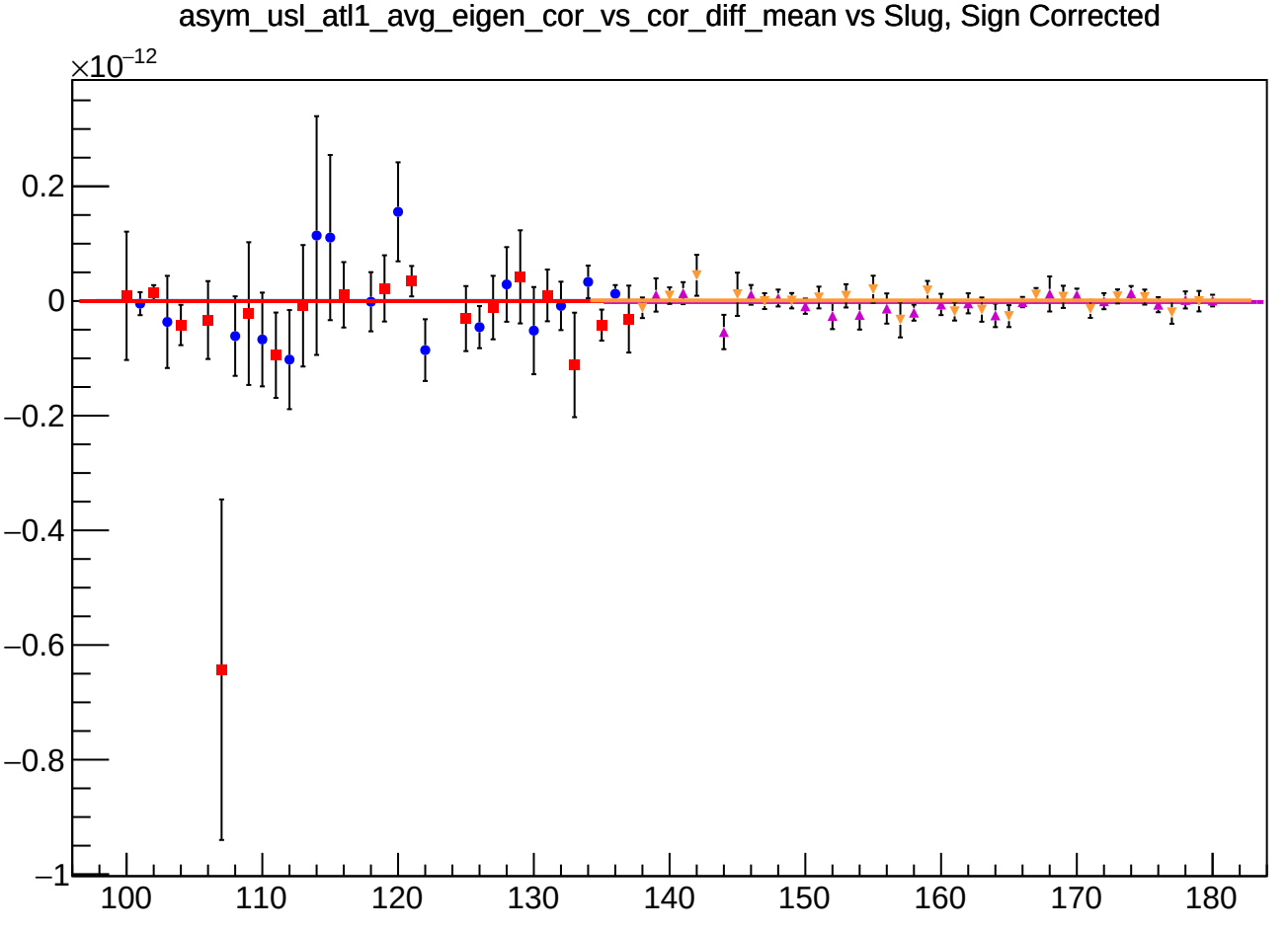
Left: 47.634+/-0.006 χ^2/NDF: 3265046.8/41

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.344+/-0.008 χ^2/NDF:3786600.1/36

Out: 47.675+/-0.008 χ^2/NDF:4861510.4/38

All: 48.512+/-0.006 χ^2/NDF: 8670620.0/75



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.3/20

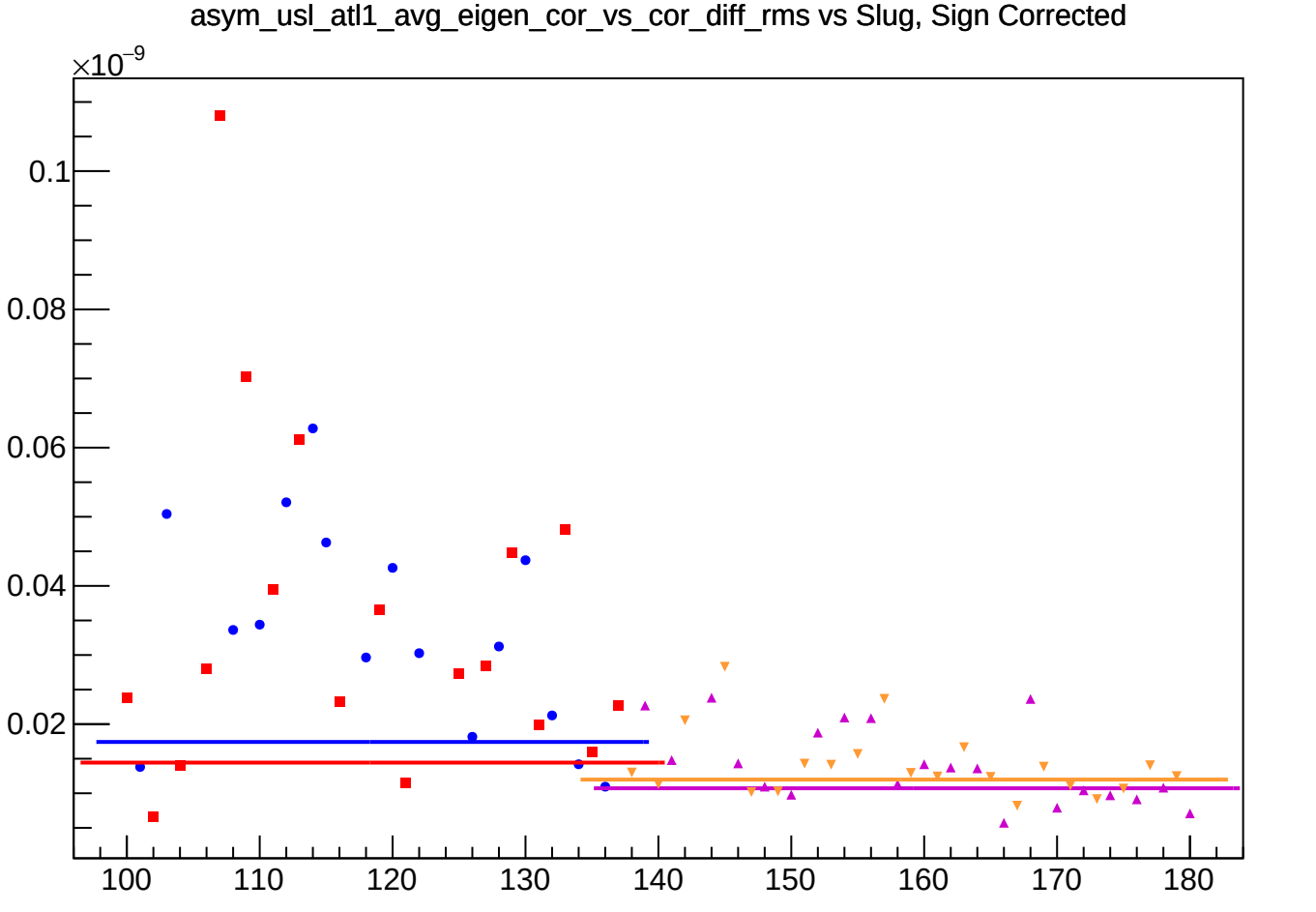
Left: -0.000+/-0.000 χ^2/NDF: 26.7/41

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.4/36

Out: 0.000+/-0.000 χ^2/NDF:29.1/38

All: -0.000+/-0.000 χ^2/NDF: 56.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1451114.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3344888.4/20

Left: 0.000+/-0.000 χ^2/NDF: 4924263.9/41

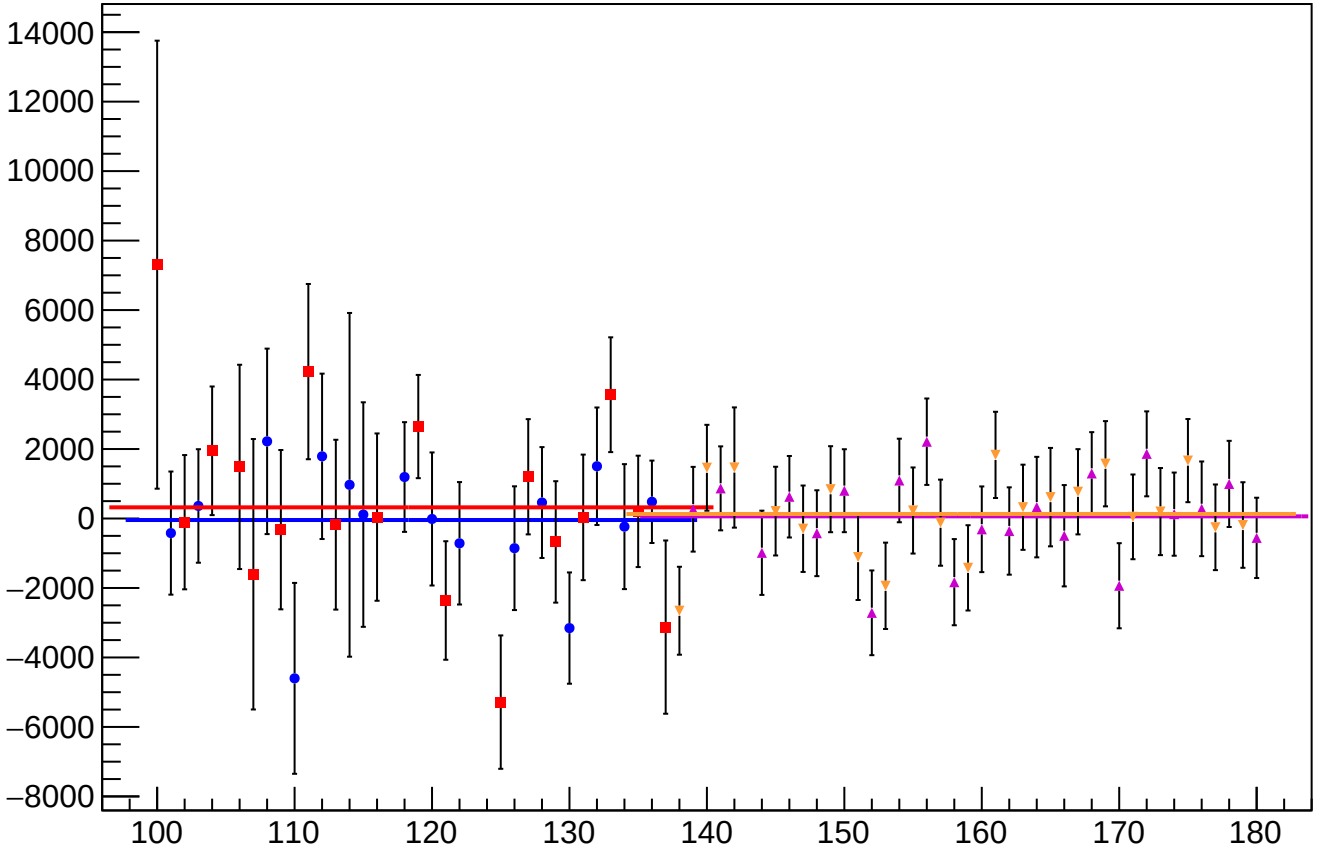
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:6473827.0/36

Out: 0.000+/-0.000 χ^2/NDF:4840879.5/38

All: 0.000+/-0.000 χ^2/NDF: 11384951.4/75

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.346+/-274.619 χ^2/NDF:18.0/20

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 61.856+/-270.186 χ^2/NDF:20.4/20

Left: 95.543+/-192.599 χ^2/NDF: 38.4/41

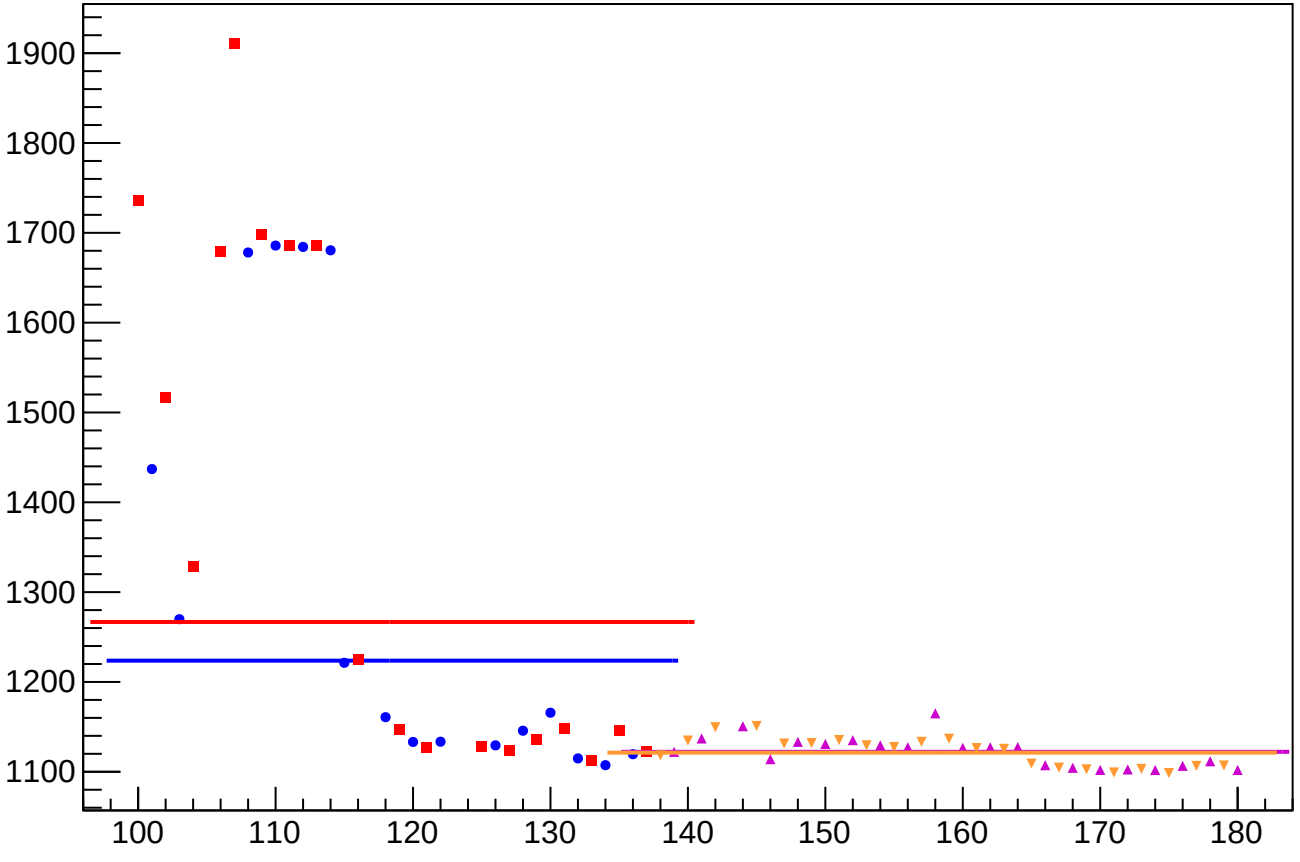
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 34.717+/-232.870 χ^2/NDF:30.5/36

Out: 178.184+/-237.738 χ^2/NDF:42.9/38

All: 104.967+/-166.358 χ^2/NDF: 73.6/75

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

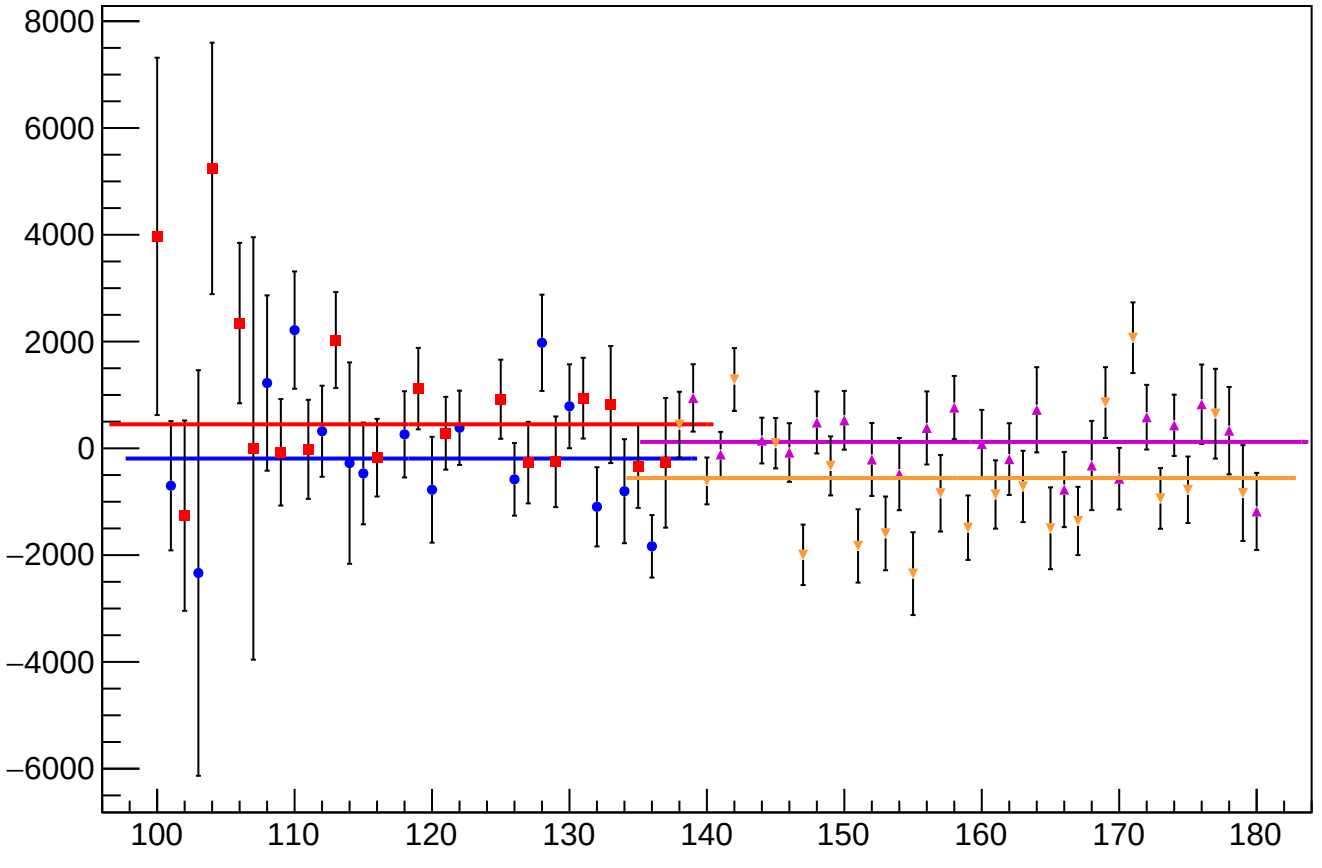
Left: 1121.766+/-0.136 χ^2/NDF: 14326.2/41

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1148.316+/-0.165 χ^2/NDF:375407.5/36

Out: 1157.752+/-0.168 χ^2/NDF:579915.8/38

All: 1152.936+/-0.118 χ^2/NDF: 956931.1/75



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -554.704+/-136.216 χ^2/NDF:61.0/20

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 119.827+/-133.490 χ^2/NDF:14.6/20

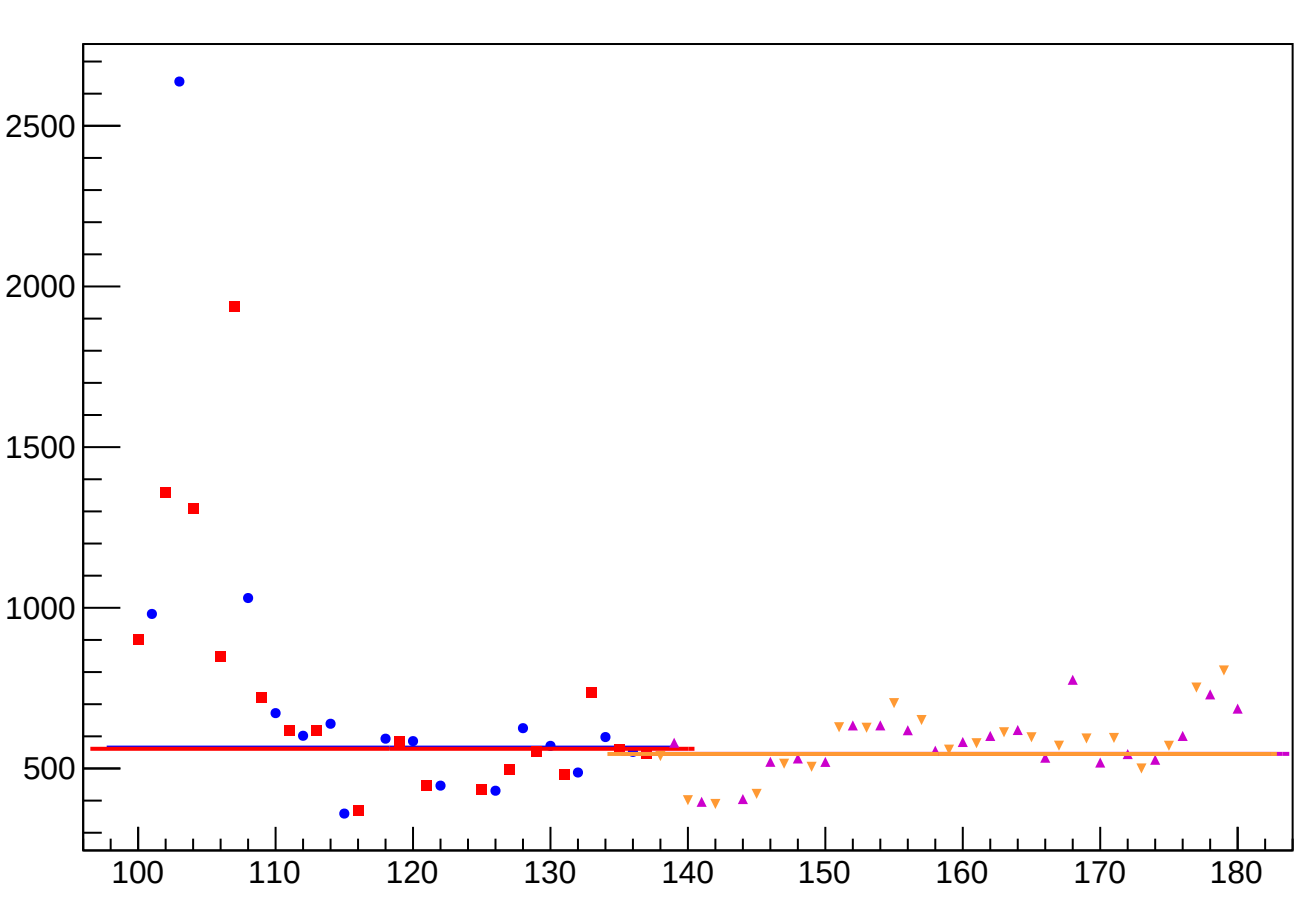
Left: -210.622+/-95.341 χ^2/NDF: 88.1/41

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 37.856+/-114.519 χ^2/NDF:41.3/36

Out: -282.099+/-116.274 χ^2/NDF:92.6/38

All: -119.689+/-81.590 χ^2/NDF: 137.7/75



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 545.191+/-0.096 χ^2/NDF:1059907.0/20

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 545.438+/-0.094 χ^2/NDF:957406.7/20

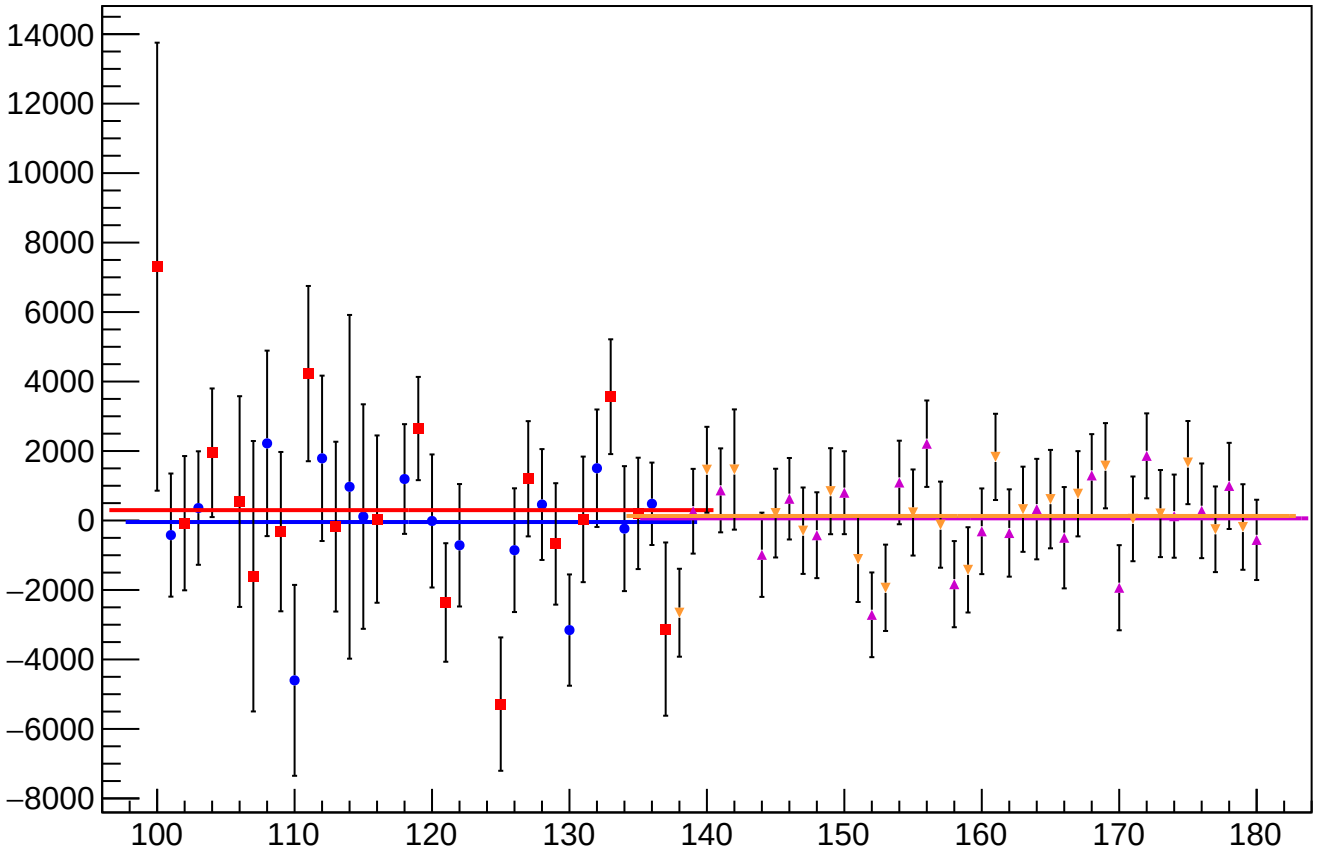
Left: 545.317+/-0.067 χ^2/NDF: 2017317.1/41

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 550.592+/-0.081 χ^2/NDF:2253177.9/36

Out: 549.547+/-0.082 χ^2/NDF:2419683.9/38

All: 550.077+/-0.058 χ^2/NDF: 4672943.7/75



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 61.818+/-270.186 χ^2/NDF:20.4/20

Left: 95.551+/-192.599 χ^2/NDF: 38.4/41

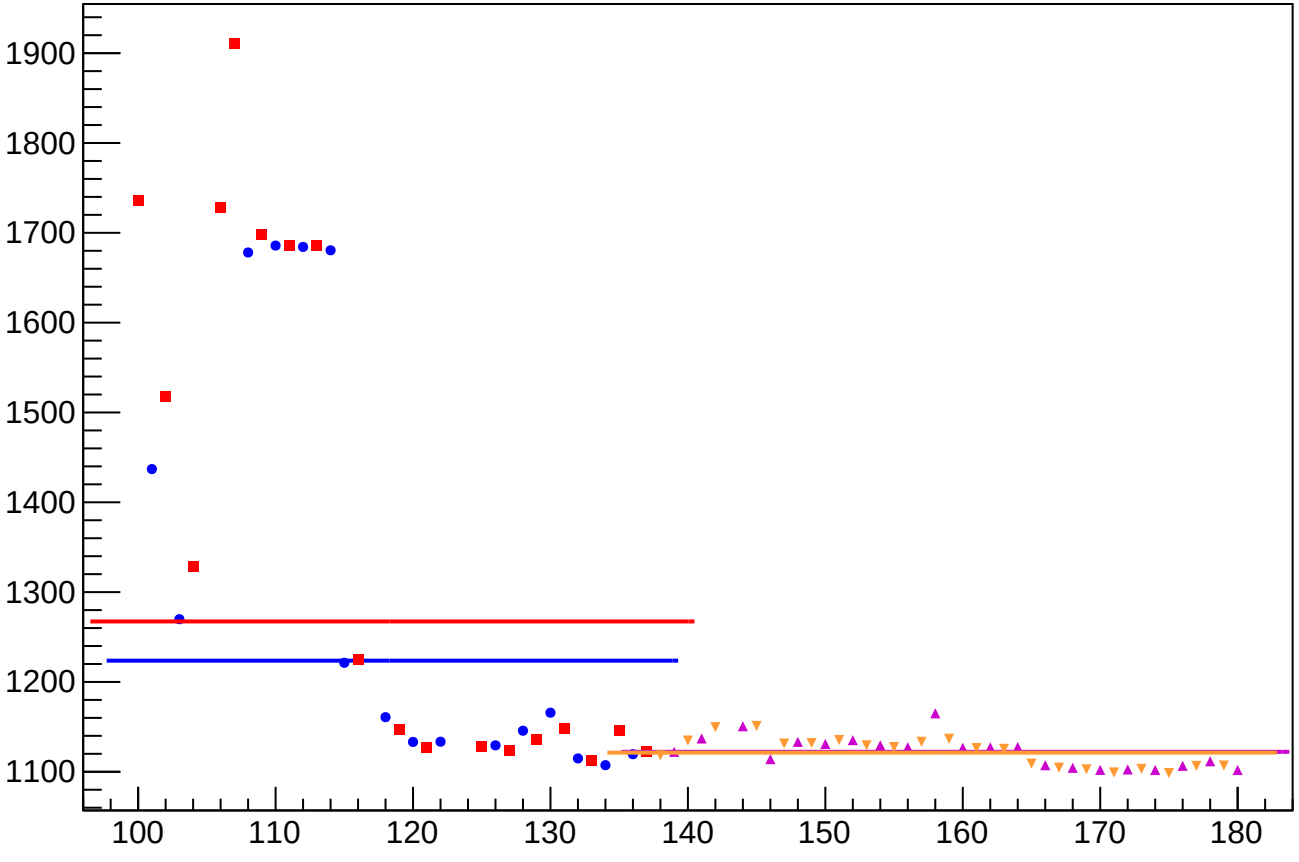
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 34.627+/-232.870 χ^2/NDF:30.5/36

Out: 172.397+/-237.785 χ^2/NDF:42.7/38

All: 102.073+/-166.375 χ^2/NDF: 73.4/75

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

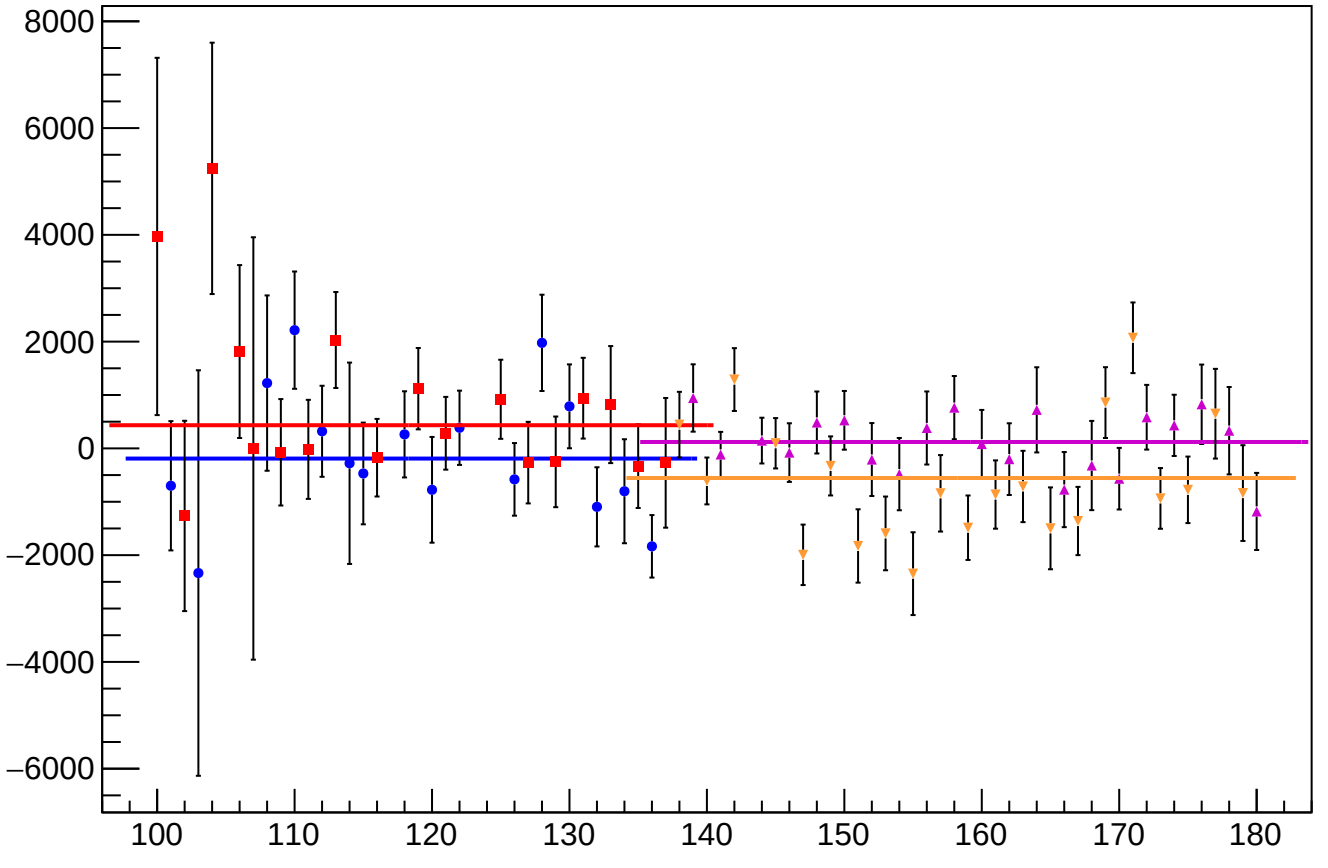
Left: 1121.767+/-0.136 χ^2/NDF: 14326.2/41

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1148.316+/-0.165 χ^2/NDF:375407.5/36

Out: 1157.854+/-0.168 χ^2/NDF:588015.1/38

All: 1152.986+/-0.118 χ^2/NDF: 965065.5/75



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 119.804+/-133.489 χ^2/NDF:14.6/20

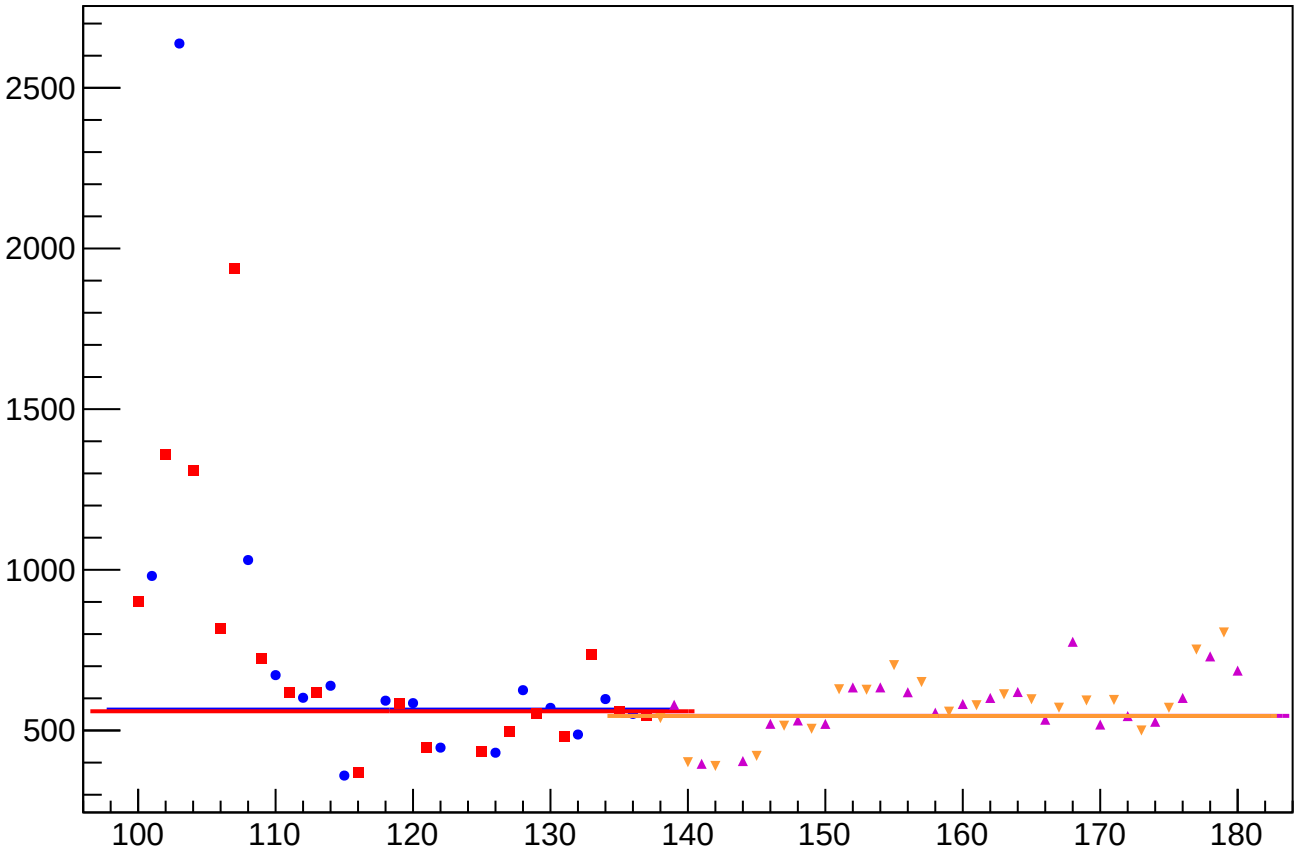
Left: -210.640+/-95.340 χ^2/NDF: 88.1/41

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 37.835+/-114.519 χ^2/NDF:41.3/36

Out: -287.046+/-116.322 χ^2/NDF:91.2/38

All: -122.068+/-81.607 χ^2/NDF: 136.5/75



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

Left: 545.315+/-0.067 χ^2/NDF: 2017263.7/41

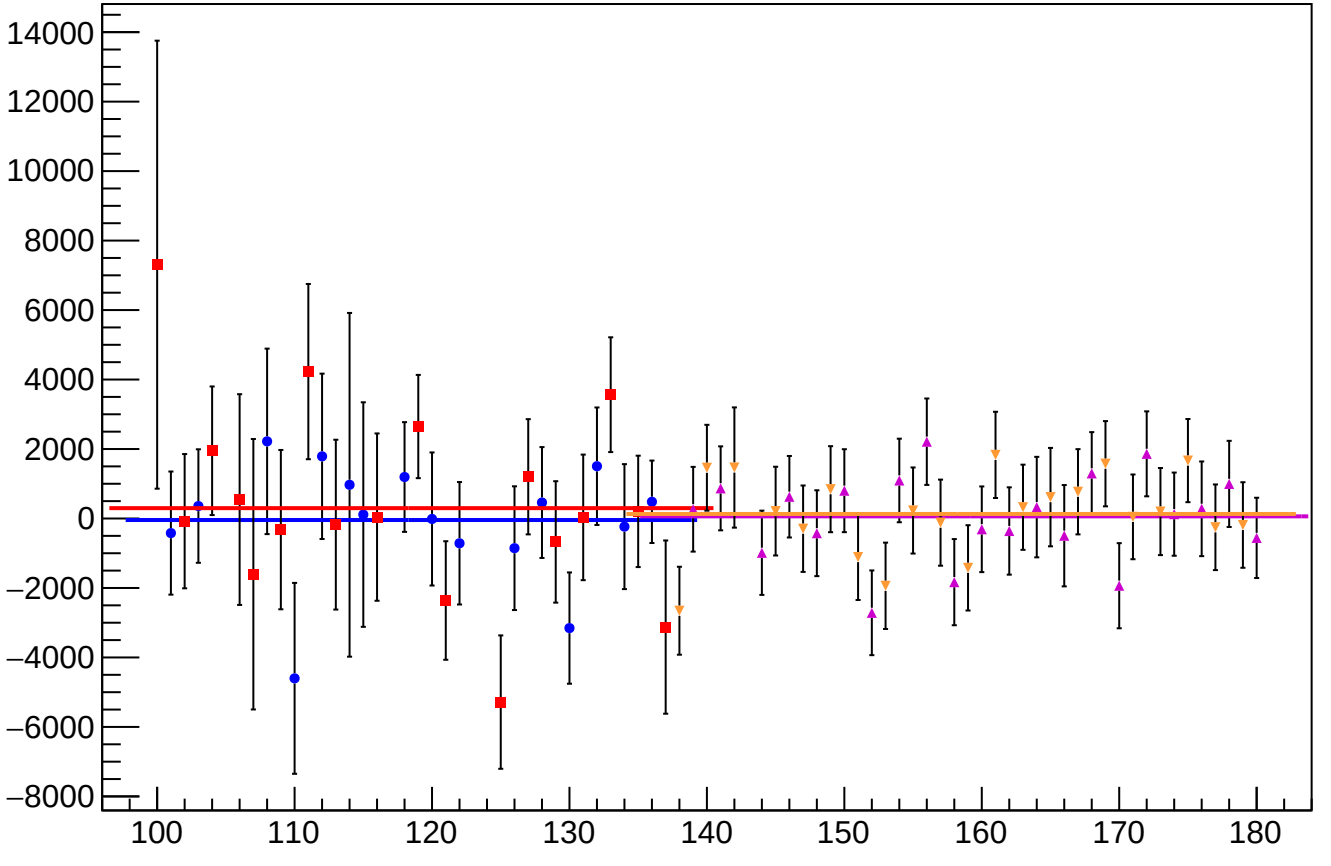
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 550.590+/-0.081 χ^2/NDF:2253095.6/36

Out: 549.134+/-0.082 χ^2/NDF:2395460.5/38

All: 549.873+/-0.058 χ^2/NDF: 4648715.4/75

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 61.818+/-270.186 χ^2/NDF:20.4/20

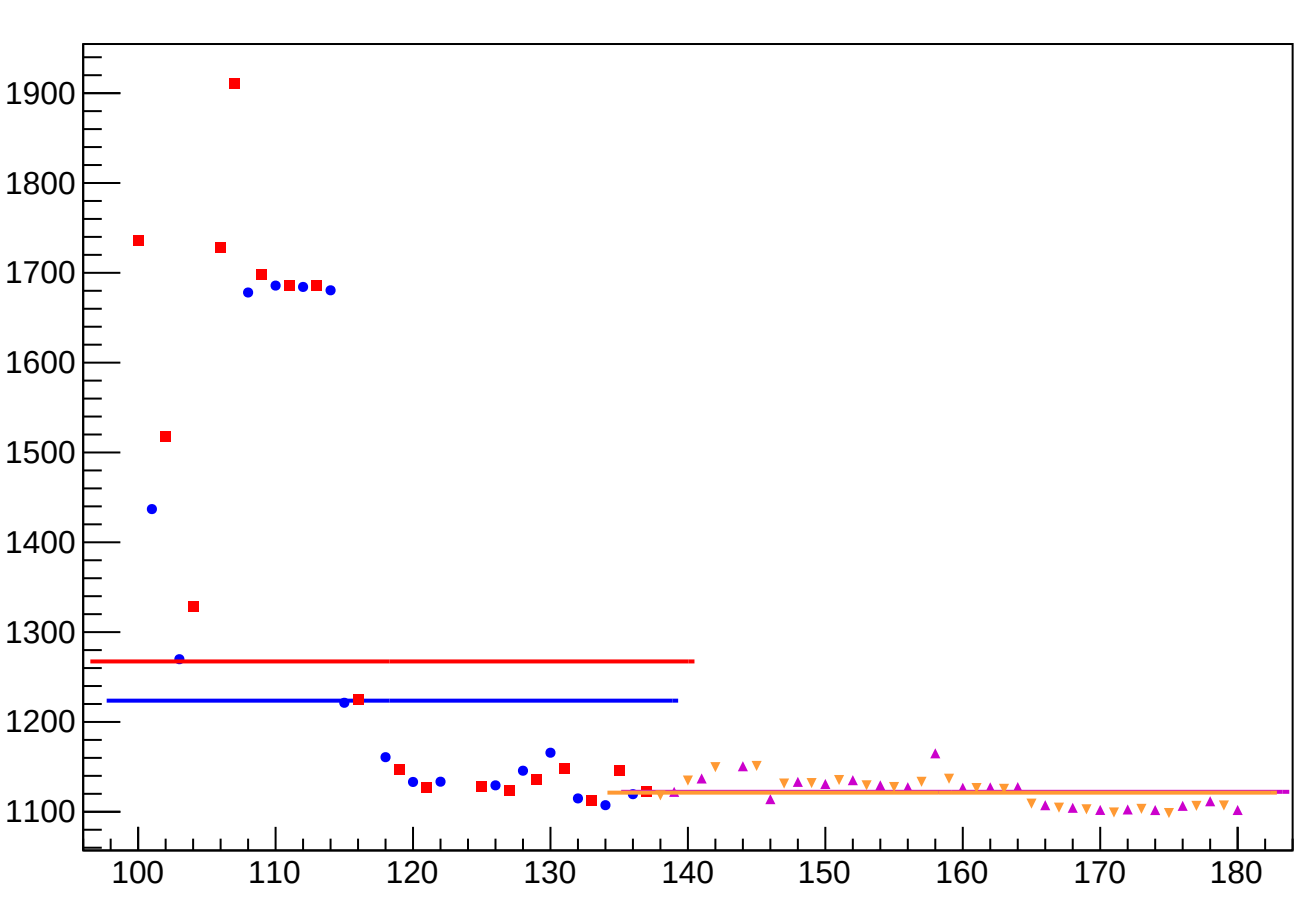
Left: 95.551+/-192.599 χ^2/NDF: 38.4/41

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 34.627+/-232.870 χ^2/NDF:30.5/36

Out: 172.397+/-237.785 χ^2/NDF:42.7/38

All: 102.073+/-166.375 χ^2/NDF: 73.4/75



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1122.219+/-0.191 χ^2/NDF:7880.4/20

Left: 1121.767+/-0.136 χ^2/NDF: 14326.2/41

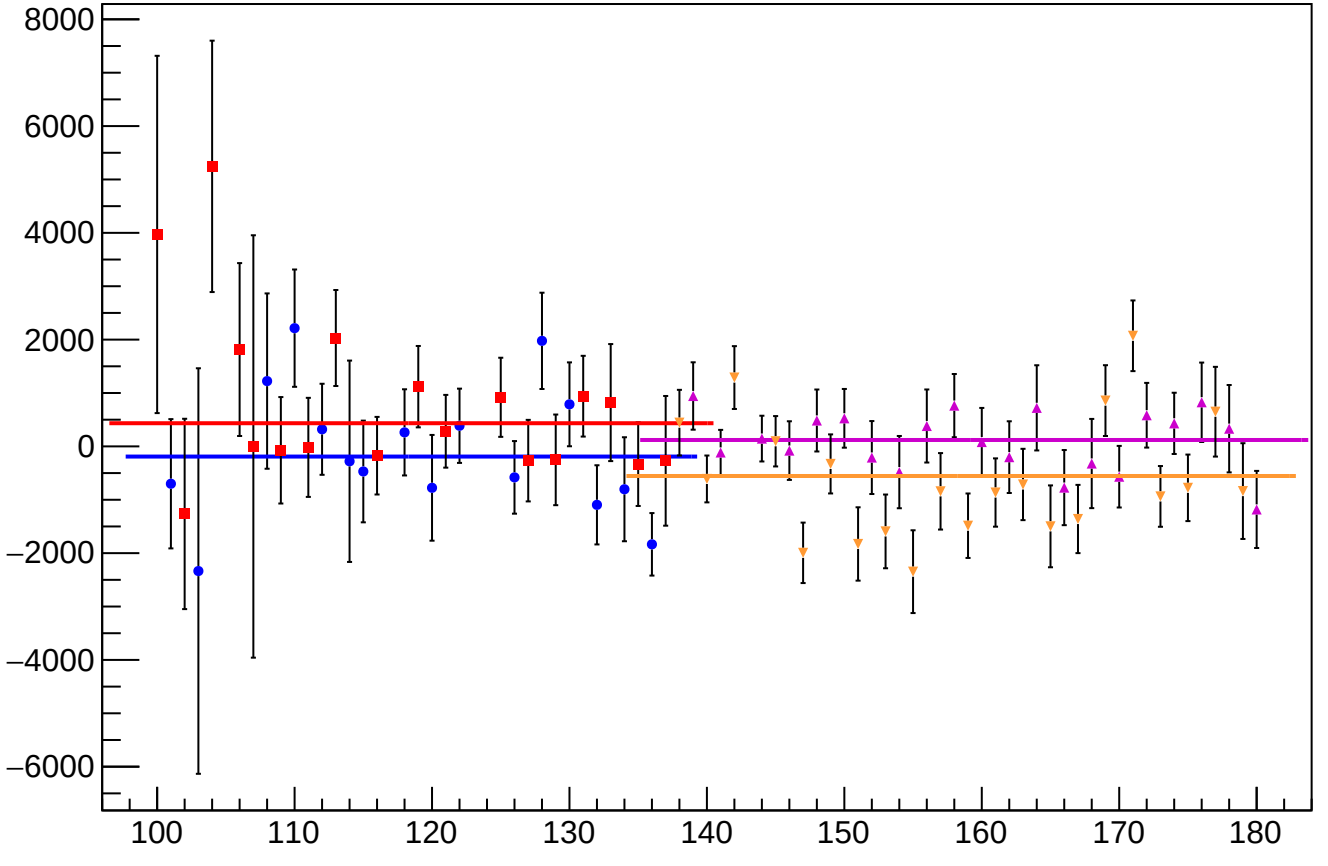
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1148.316+/-0.165 χ^2/NDF:375407.5/36

Out: 1157.854+/-0.168 χ^2/NDF:588015.1/38

All: 1152.986+/-0.118 χ^2/NDF: 965065.5/75

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: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 119.804+/-133.489 χ^2/NDF:14.6/20

Left: -210.640+/-95.340 χ^2/NDF: 88.1/41

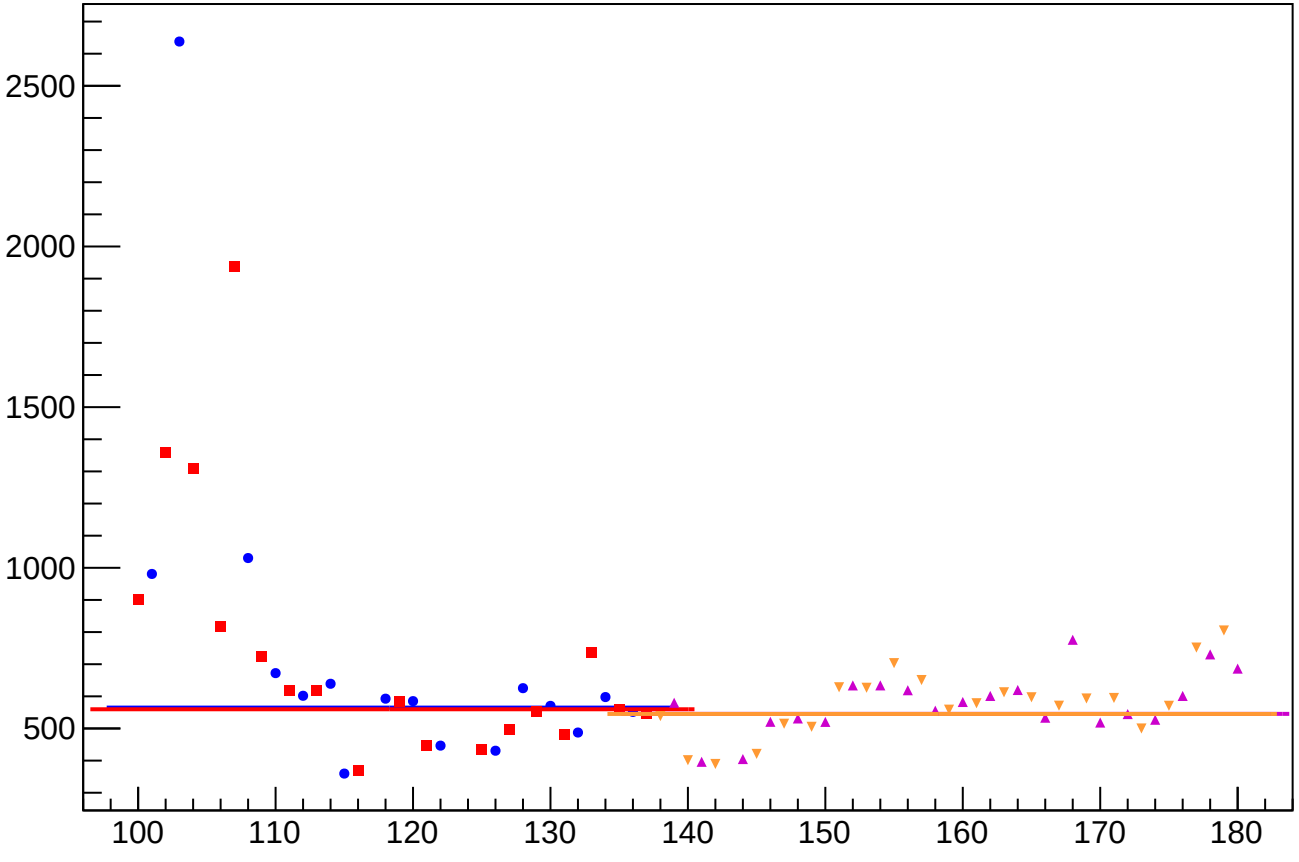
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 37.835+/-114.519 χ^2/NDF:41.3/36

Out: -287.046+/-116.322 χ^2/NDF:91.2/38

All: -122.068+/-81.607 χ^2/NDF: 136.5/75

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 545.437+/-0.094 χ^2/NDF:957351.4/20

Left: 545.315+/-0.067 χ^2/NDF: 2017263.7/41

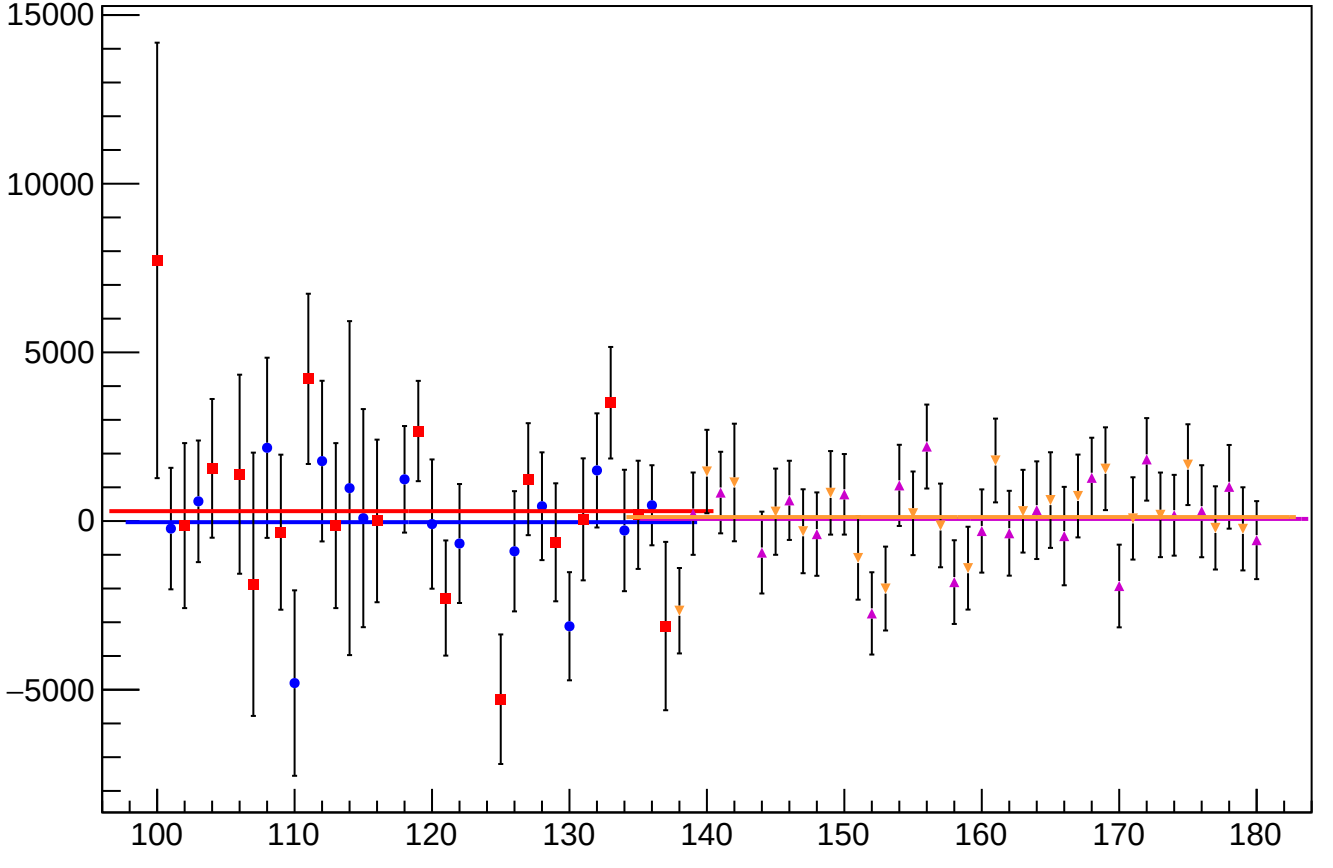
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 550.590+/-0.081 χ^2/NDF:2253095.6/36

Out: 549.134+/-0.082 χ^2/NDF:2395460.5/38

All: 549.873+/-0.058 χ^2/NDF: 4648715.4/75

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.203+/-274.783 χ^2/NDF:17.7/20

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 63.027+/-270.302 χ^2/NDF:20.1/20

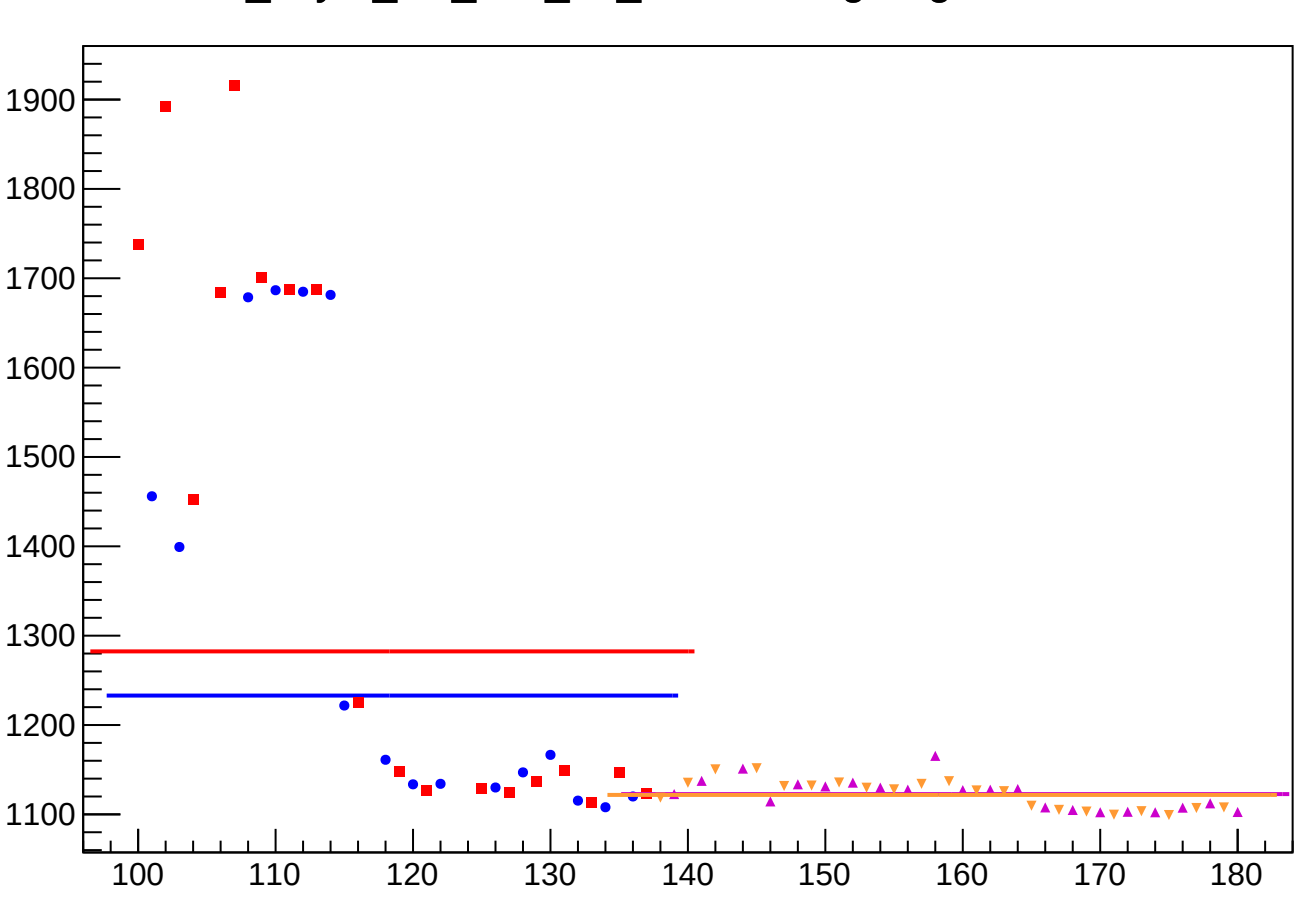
Left: 90.162+/-192.697 χ^2/NDF: 37.8/41

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 38.619+/-233.461 χ^2/NDF:30.4/36

Out: 160.926+/-238.938 χ^2/NDF:42.0/38

All: 98.355+/-166.984 χ^2/NDF: 72.5/75



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

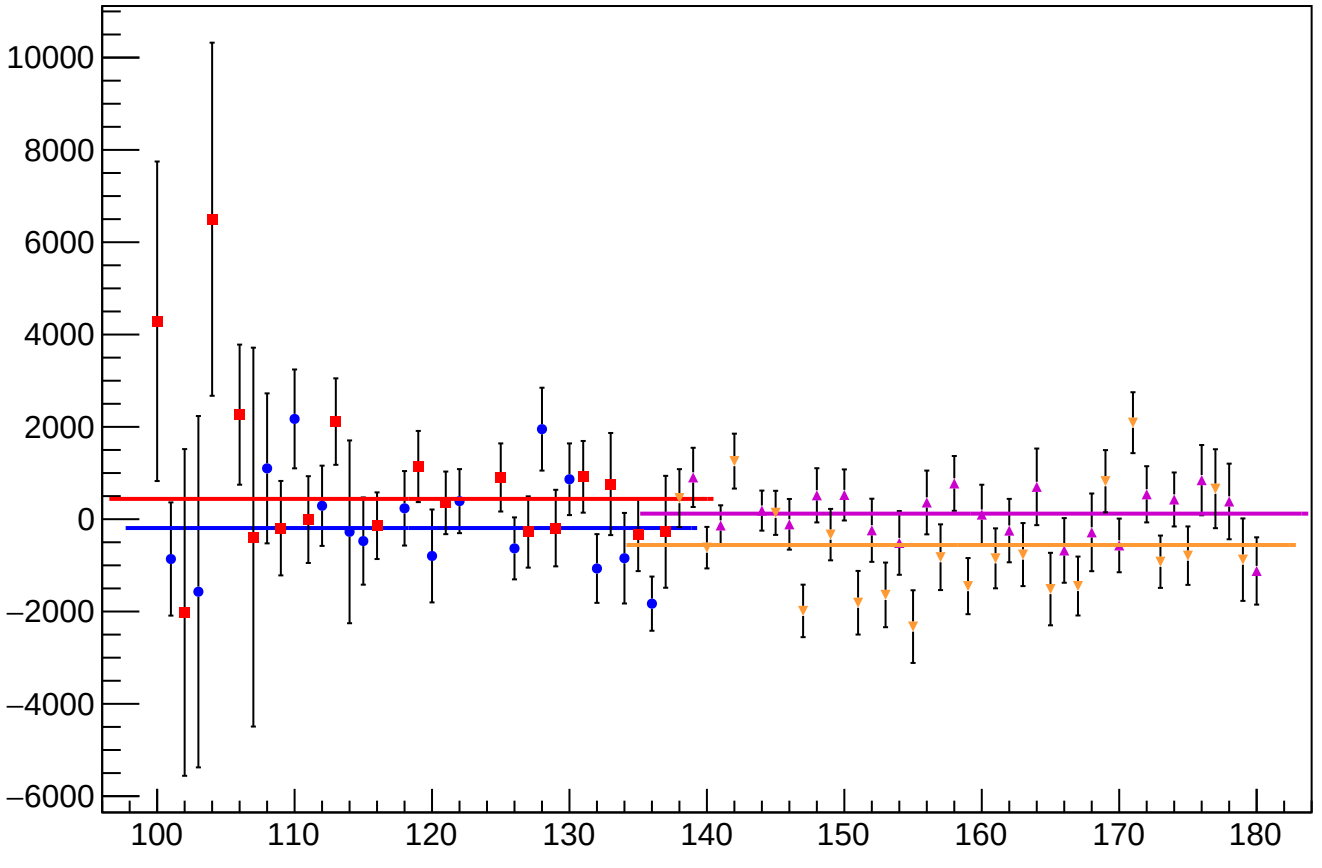
Left: 1122.247+/-0.136 χ^2/NDF: 14278.6/41

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1150.708+/-0.165 χ^2/NDF:407860.3/36

Out: 1160.952+/-0.169 χ^2/NDF:716496.6/38

All: 1155.712+/-0.118 χ^2/NDF: 1126237.7/75



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -558.905+/-137.662 χ^2/NDF:60.3/20

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 120.426+/-135.138 χ^2/NDF:13.9/20

Left: -212.954+/-96.437 χ^2/NDF: 86.6/41

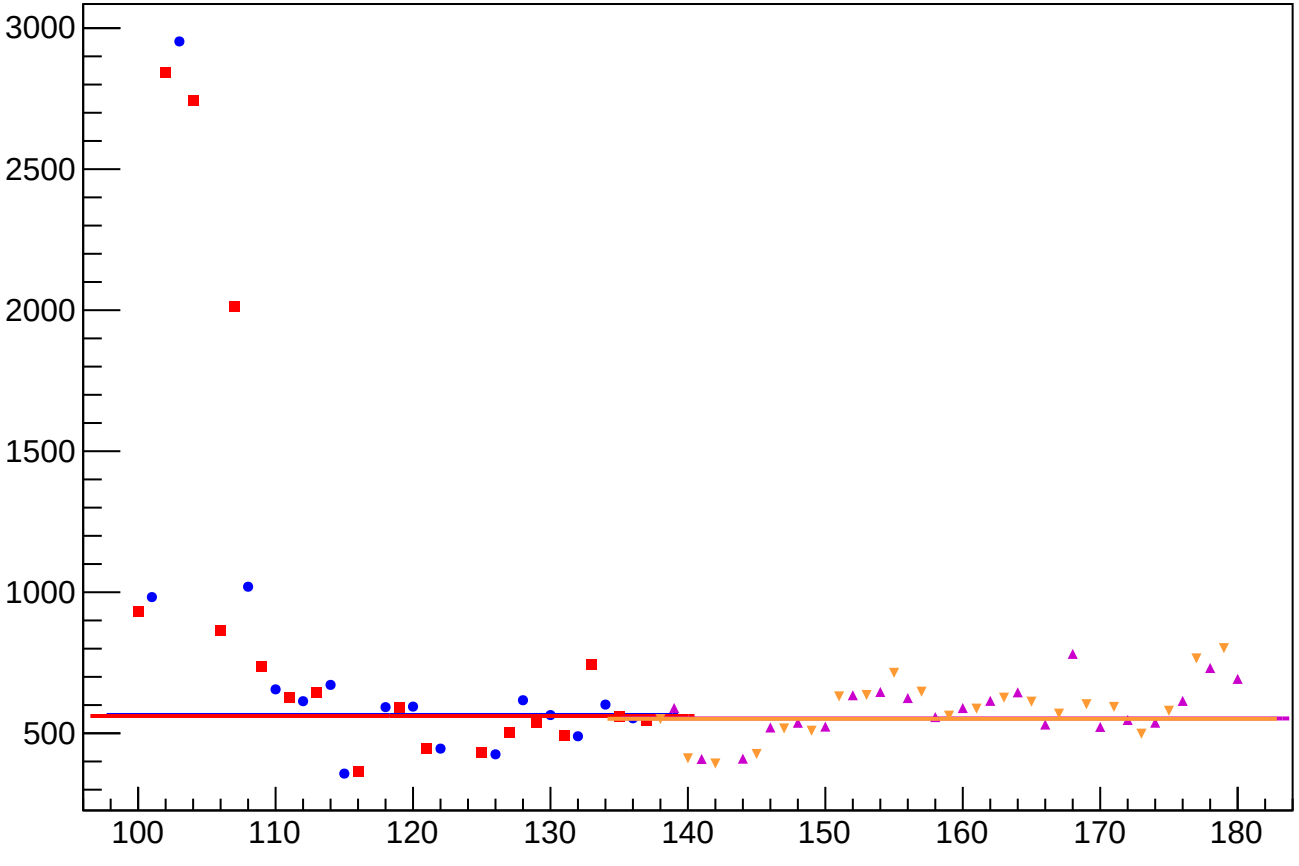
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 36.506+/-115.540 χ^2/NDF:40.6/36

Out: -289.728+/-117.653 χ^2/NDF:89.1/38

All: -123.655+/-82.436 χ^2/NDF: 133.6/75

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: 551.312+/-0.097 χ^2/NDF:1037453.3/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 552.537+/-0.096 χ^2/NDF:928890.5/20

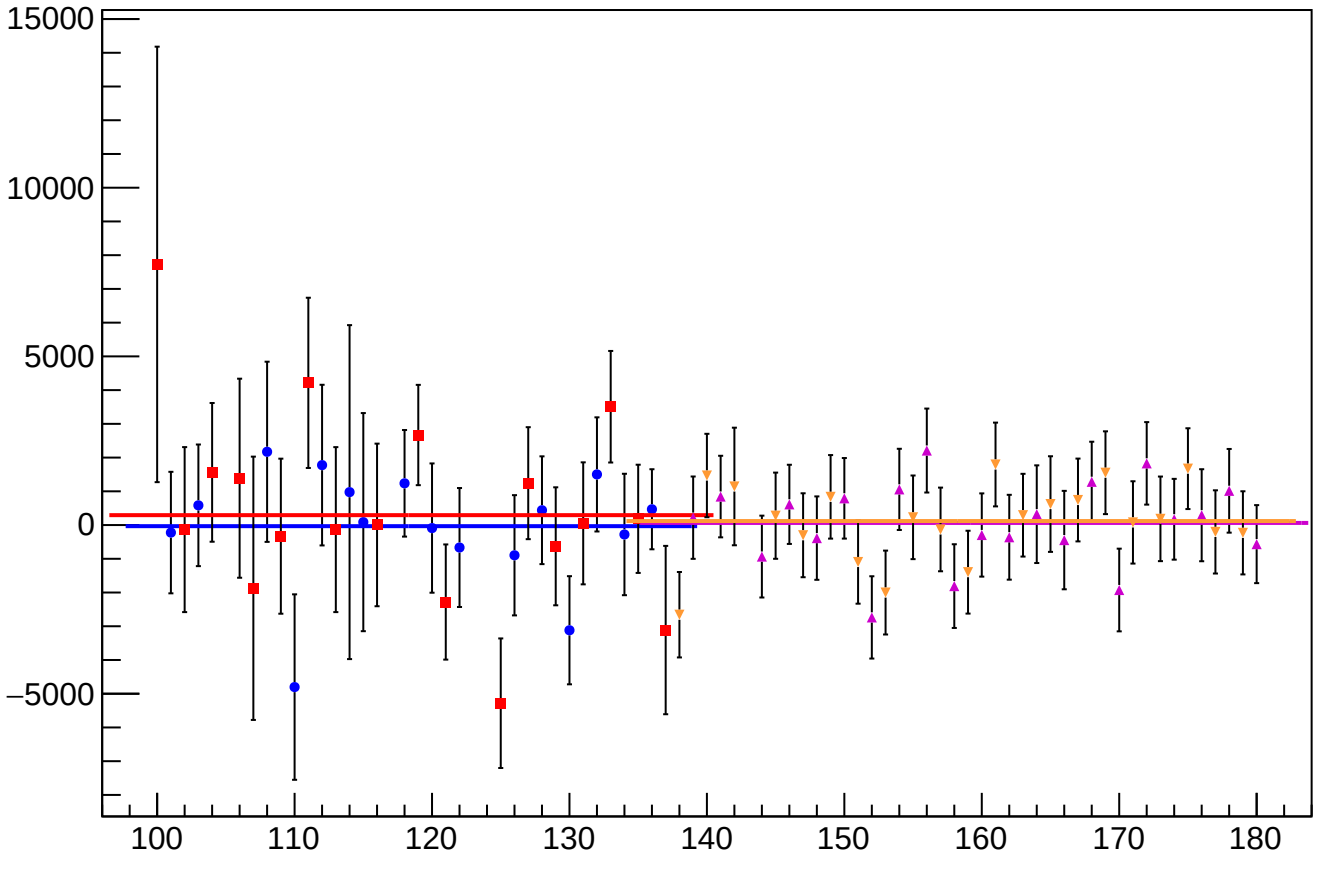
Left: 551.936+/-0.068 χ^2/NDF: 1966424.5/41

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 555.855+/-0.082 χ^2/NDF:2413747.7/36

Out: 553.997+/-0.083 χ^2/NDF:3313647.9/38

All: 554.943+/-0.058 χ^2/NDF: 5727649.4/75



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.202+/-274.783 χ^2/NDF:17.7/20

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 63.028+/-270.302 χ^2/NDF:20.1/20

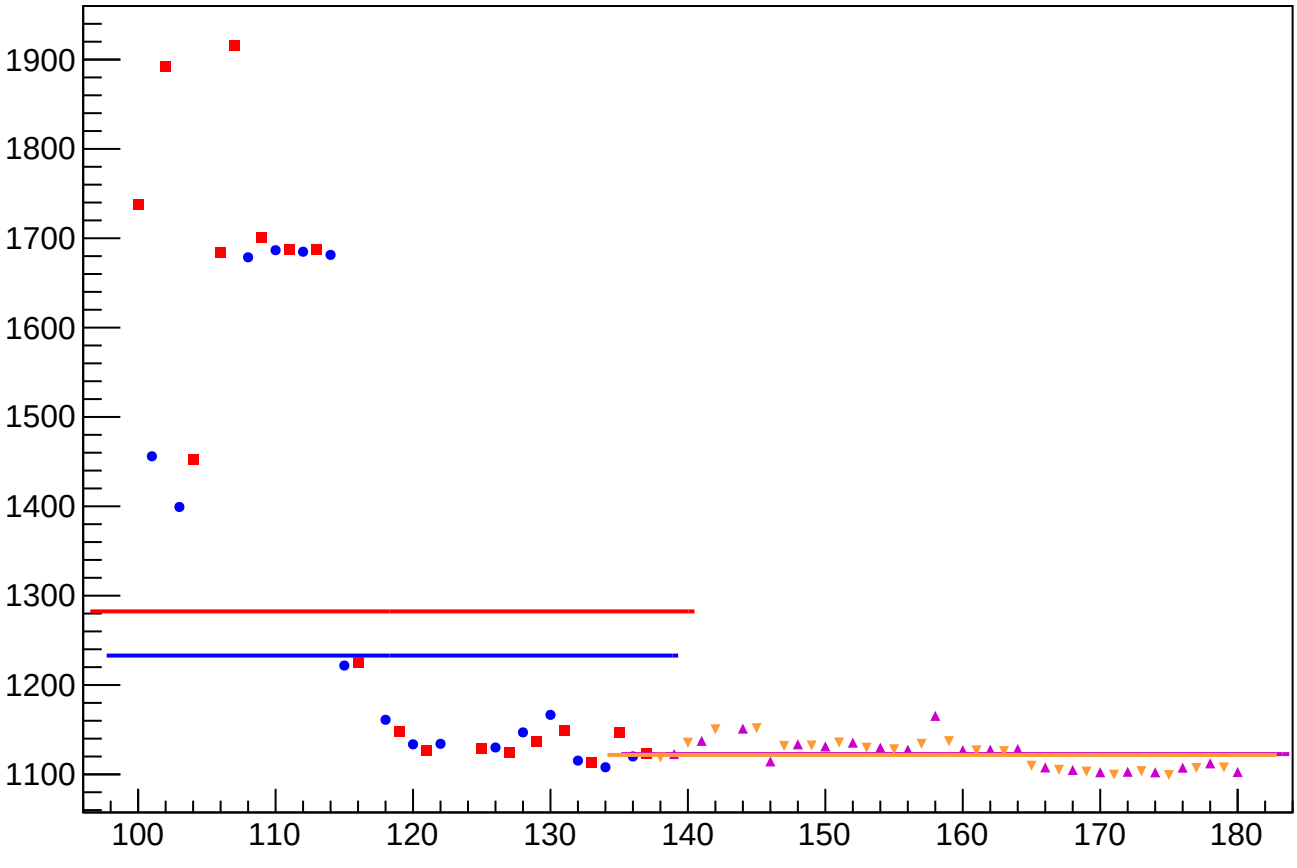
Left: 90.161+/-192.697 χ^2/NDF: 37.8/41

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 38.620+/-233.461 χ^2/NDF:30.4/36

Out: 160.925+/-238.938 χ^2/NDF:42.0/38

All: 98.354+/-166.984 χ^2/NDF: 72.5/75



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1122.699+/-0.191 χ^2/NDF:7847.3/20

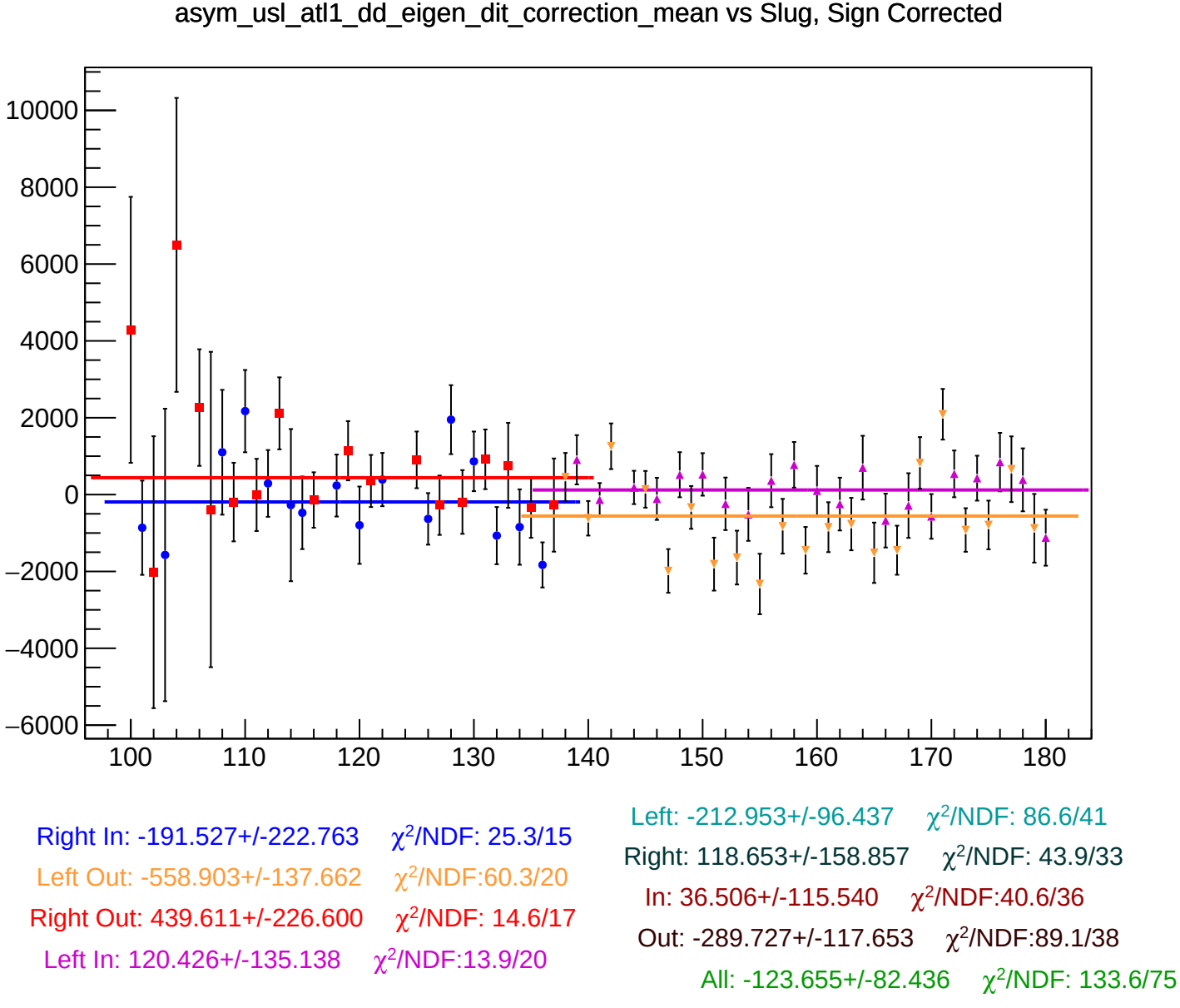
Left: 1122.247+/-0.136 χ^2/NDF: 14278.6/41

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

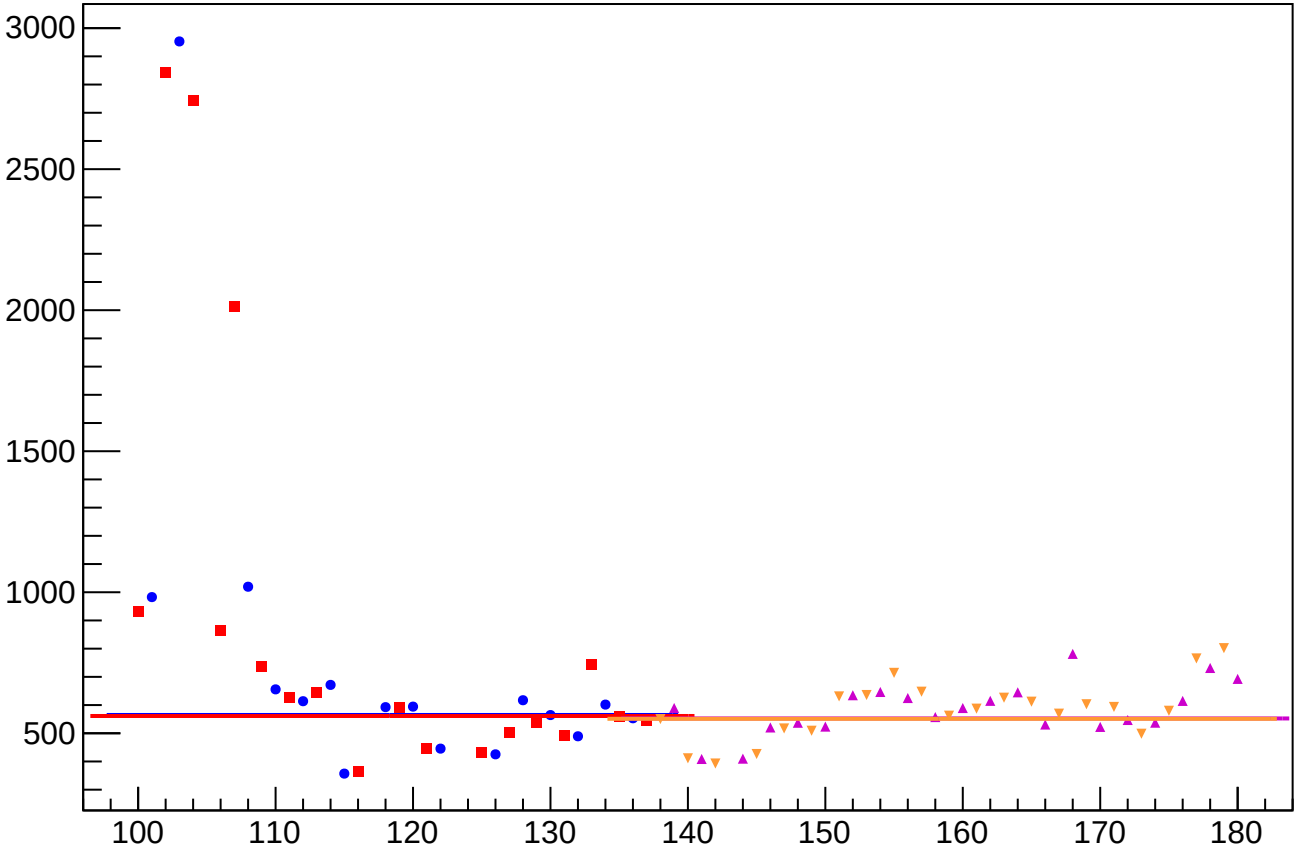
In: 1150.708+/-0.165 χ^2/NDF:407859.8/36

Out: 1160.952+/-0.169 χ^2/NDF:716495.9/38

All: 1155.712+/-0.118 χ^2/NDF: 1126236.4/75


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -191.527+/-222.763 χ²/NDF: 25.3/15
Left Out: -558.903+/-137.662 χ²/NDF:60.3/20
Right Out: 439.611+/-226.600 χ²/NDF: 14.6/17
Left In: 120.426+/-135.138 χ²/NDF:13.9/20
Left: -212.953+/-96.437 χ²/NDF: 86.6/41
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 36.506+/-115.540 χ²/NDF:40.6/36
Out: -289.727+/-117.653 χ²/NDF:89.1/38
All: -123.655+/-82.436 χ²/NDF: 133.6/75

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: 551.311+/-0.097 χ^2/NDF:1037472.9/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 552.536+/-0.096 χ^2/NDF:928904.1/20

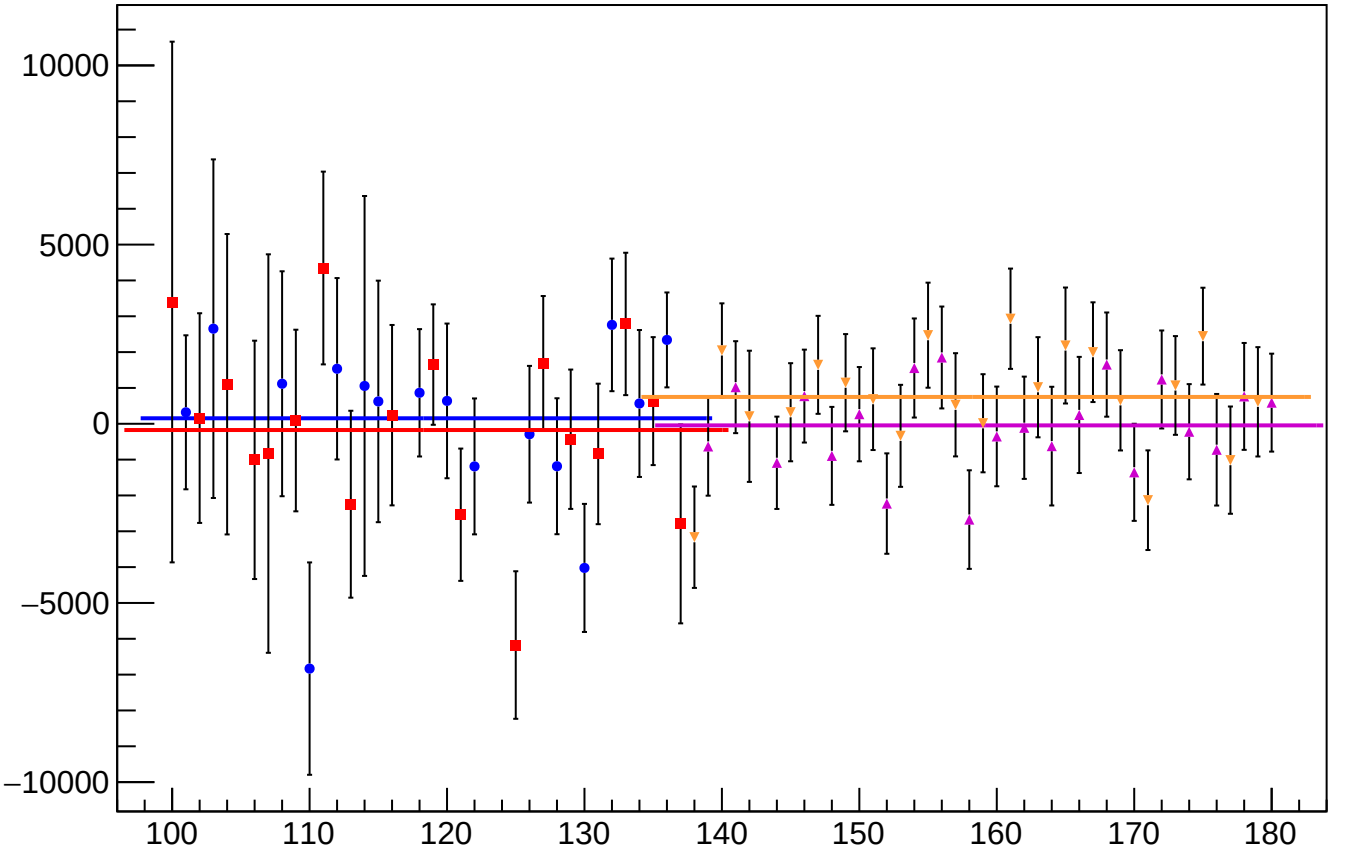
Left: 551.935+/-0.068 χ^2/NDF: 1966457.7/41

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 555.855+/-0.082 χ^2/NDF:2413759.1/36

Out: 553.997+/-0.083 χ^2/NDF:3313668.5/38

All: 554.942+/-0.058 χ^2/NDF: 5727681.5/75



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 748.925+/-310.679 χ^2/NDF:23.0/20

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -44.900+/-304.664 χ^2/NDF:15.7/20

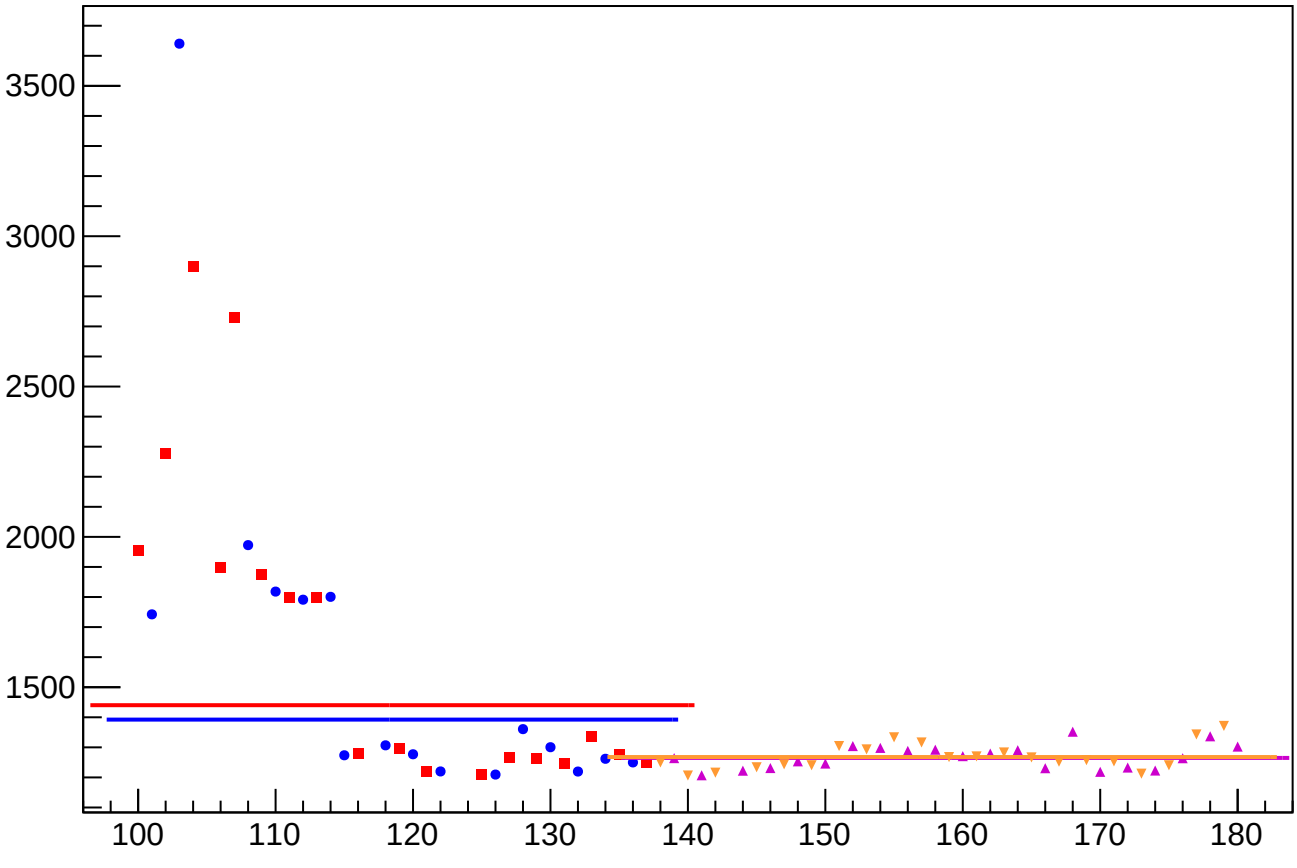
Left: 344.253+/-217.525 χ^2/NDF: 42.0/41

Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 4.053+/-264.392 χ^2/NDF:33.5/36

Out: 525.691+/-270.524 χ^2/NDF:44.8/38

All: 258.893+/-189.084 χ^2/NDF: 80.2/75



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1267.764+/-0.220 χ^2/NDF:36342.3/20

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1264.835+/-0.215 χ^2/NDF:32586.9/20

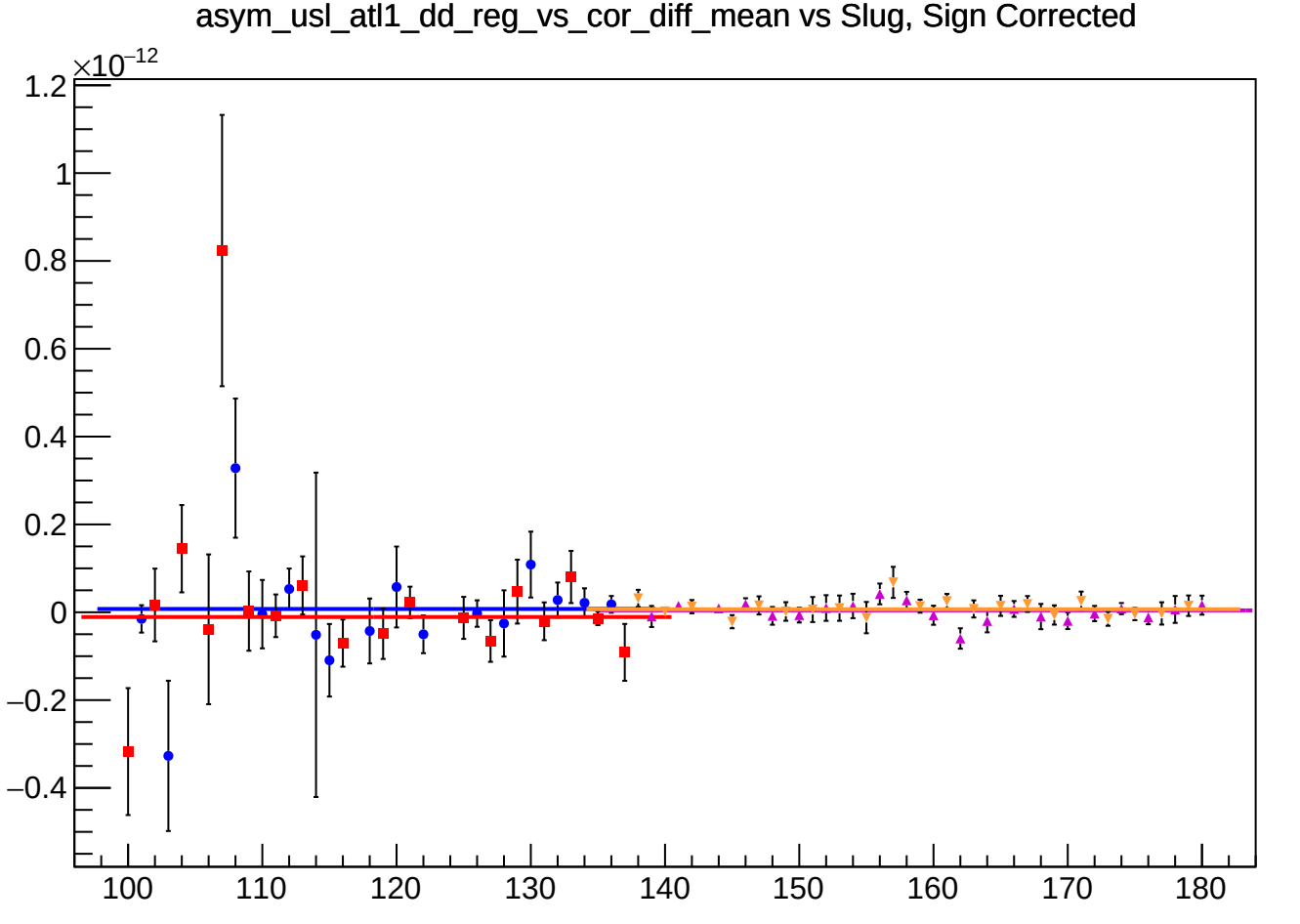
Left: 1266.271+/-0.154 χ^2/NDF: 69019.8/41

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.306+/-0.187 χ^2/NDF:898259.6/36

Out: 1309.464+/-0.191 χ^2/NDF:1040238.5/38

All: 1302.734+/-0.134 χ^2/NDF: 1940918.0/75



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

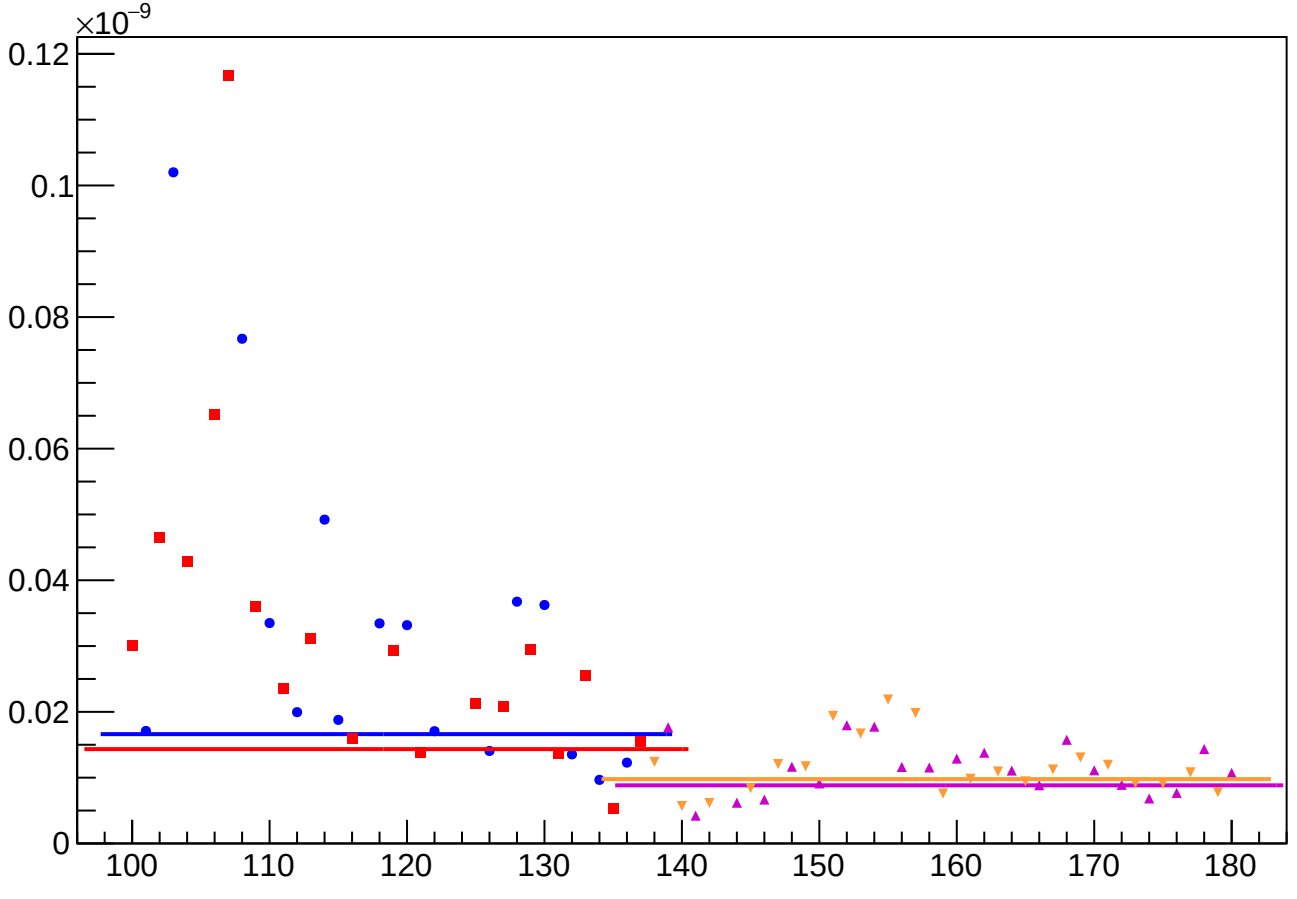
Left: 0.000+/-0.000 χ^2/NDF: 34.9/41

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:36.8/36

Out: 0.000+/-0.000 χ^2/NDF:41.3/38

All: 0.000+/-0.000 χ^2/NDF: 78.1/75



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369964.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1896381.2/20

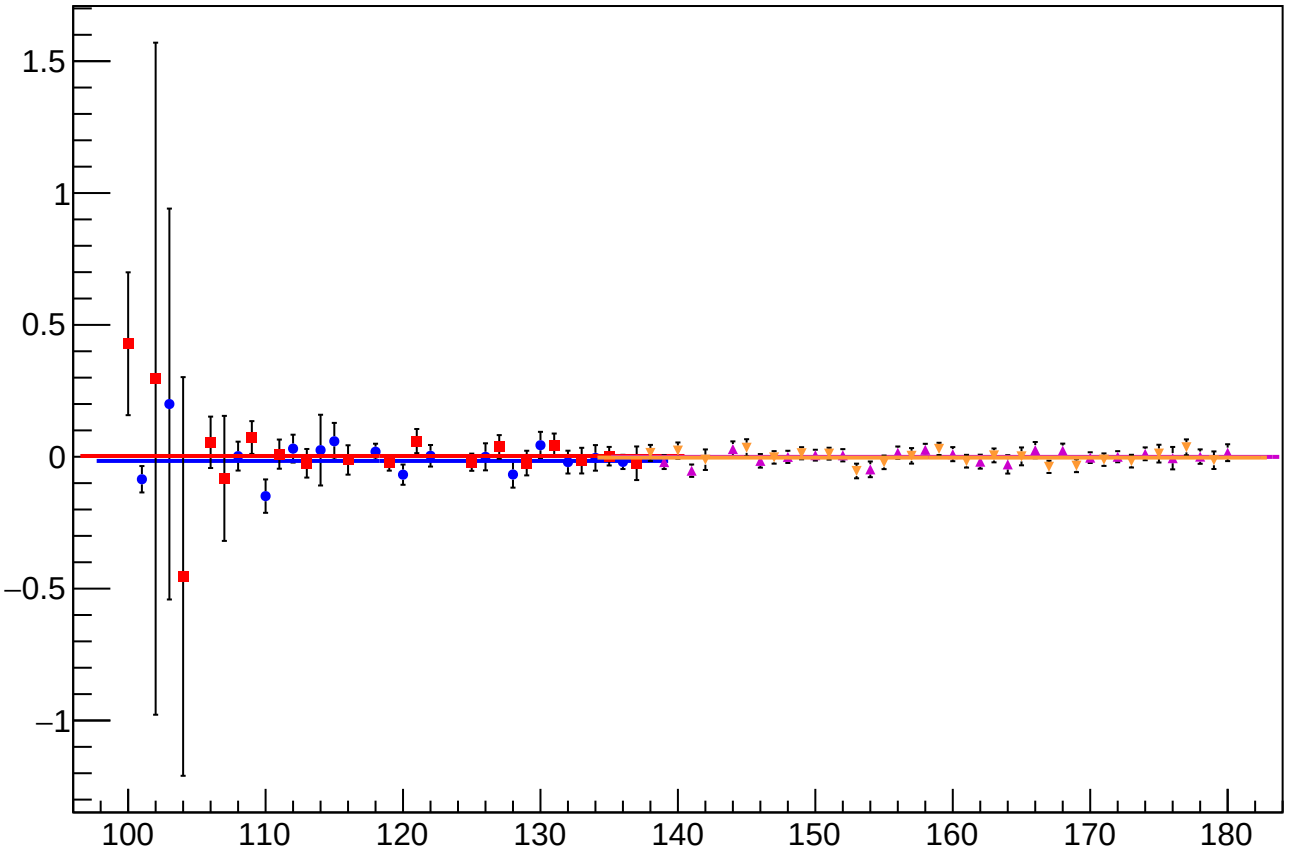
Left: 0.000+/-0.000 χ^2/NDF: 3324350.7/41

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4383019.7/36

Out: 0.000+/-0.000 χ^2/NDF:3950351.6/38

All: 0.000+/-0.000 χ^2/NDF: 8367605.7/75



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.000+/-0.006 χ^2/NDF:14.8/20

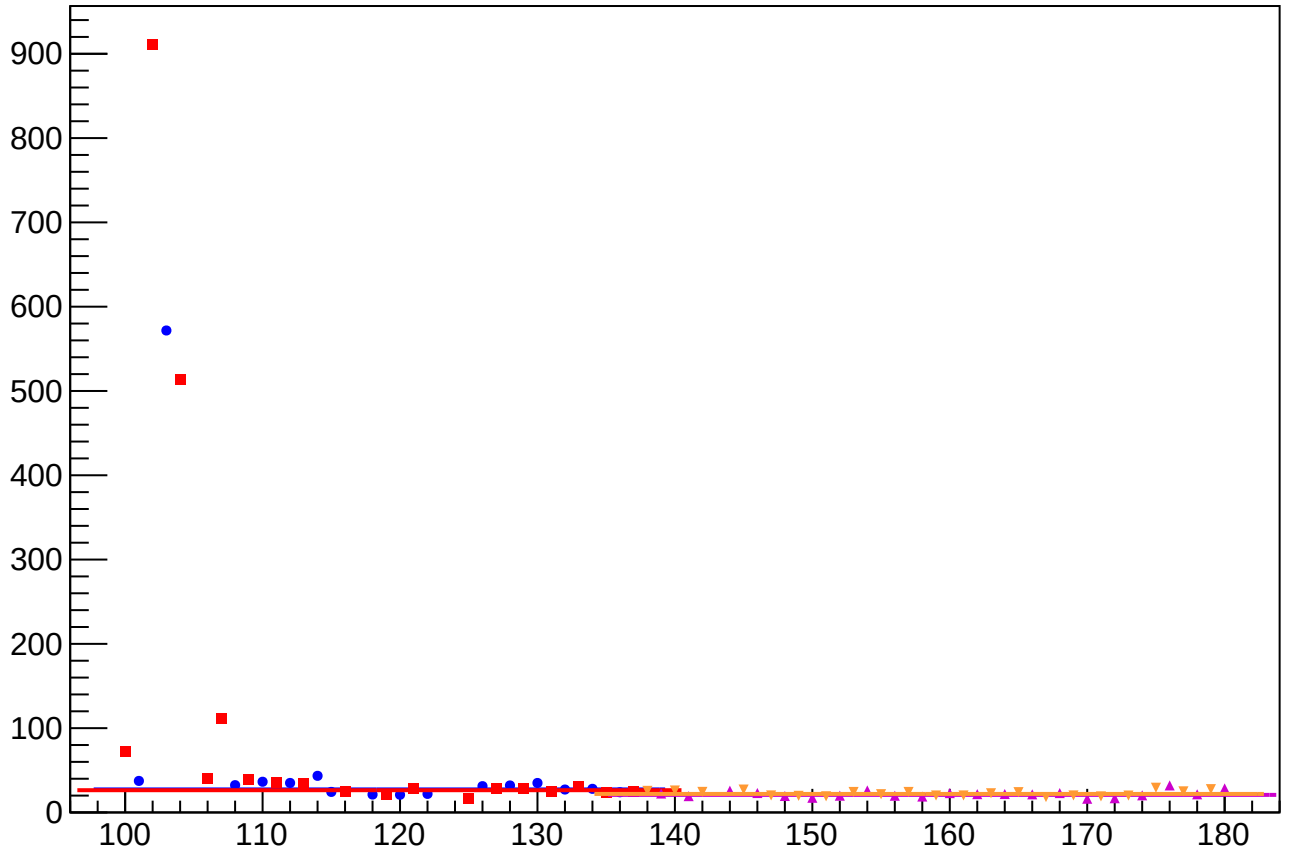
Left: -0.002+/-0.004 χ^2/NDF: 30.8/41

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.003+/-0.005 χ^2/NDF:30.8/36

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.8/75



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.965+/-0.004 χ^2/NDF:520614.9/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694001.2/20

Left: 21.375+/-0.003 χ^2/NDF: 1253061.0/41

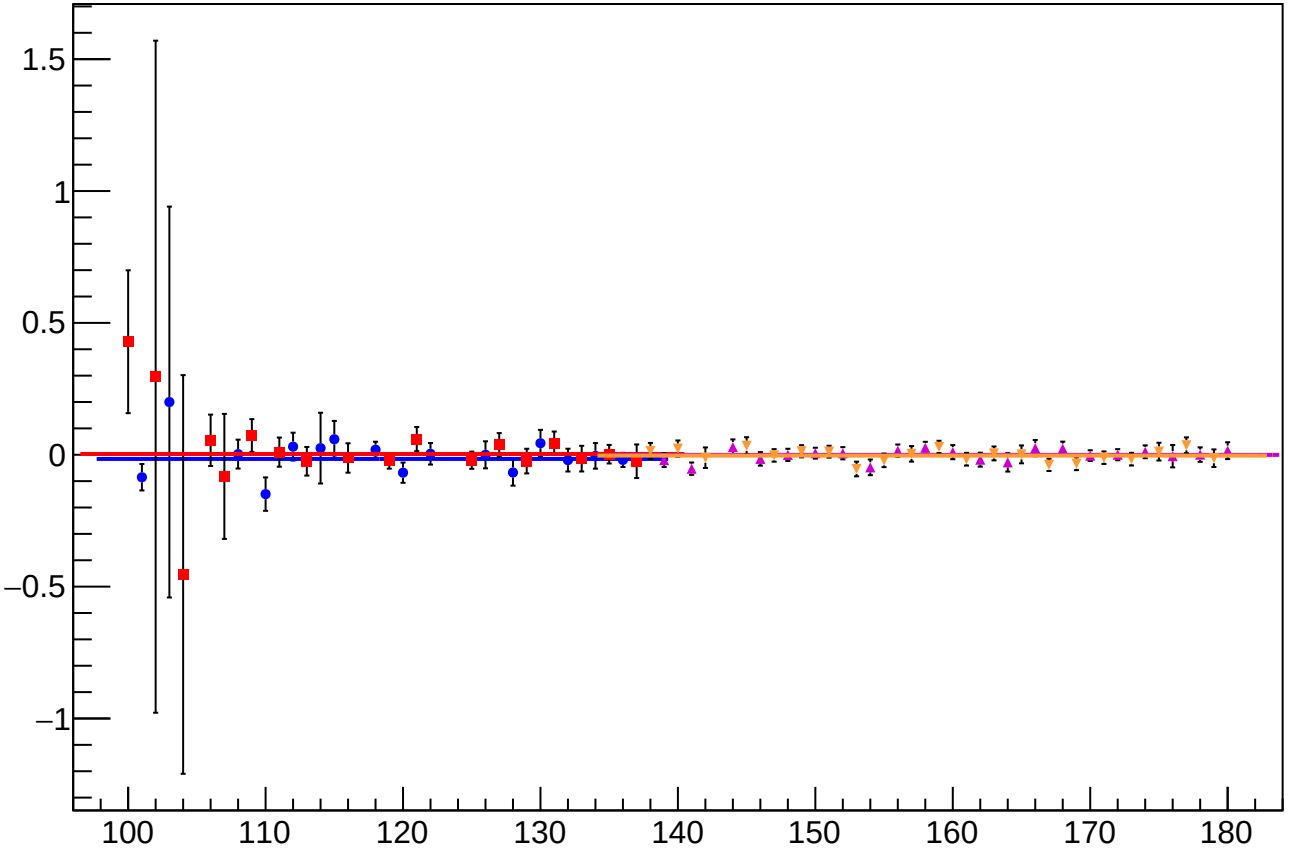
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.060+/-0.004 χ^2/NDF:2769537.5/36

Out: 22.818+/-0.004 χ^2/NDF:3355106.8/38

All: 22.420+/-0.003 χ^2/NDF: 6146342.4/75

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.000+/-0.006 χ^2/NDF:14.8/20

Left: -0.002+/-0.004 χ^2/NDF: 30.8/41

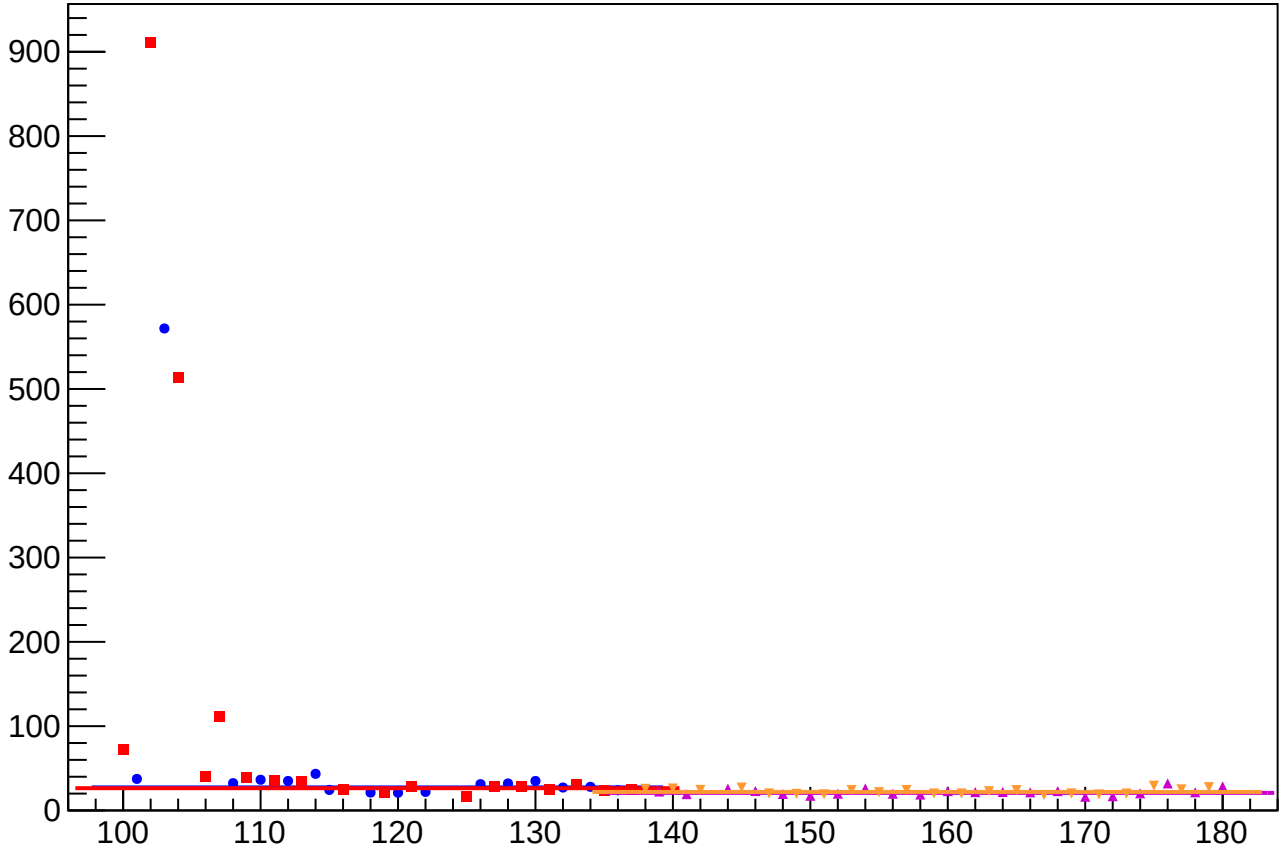
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.003+/-0.005 χ^2/NDF:30.8/36

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

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: 21.965+/-0.004 χ^2/NDF:520614.9/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694001.2/20

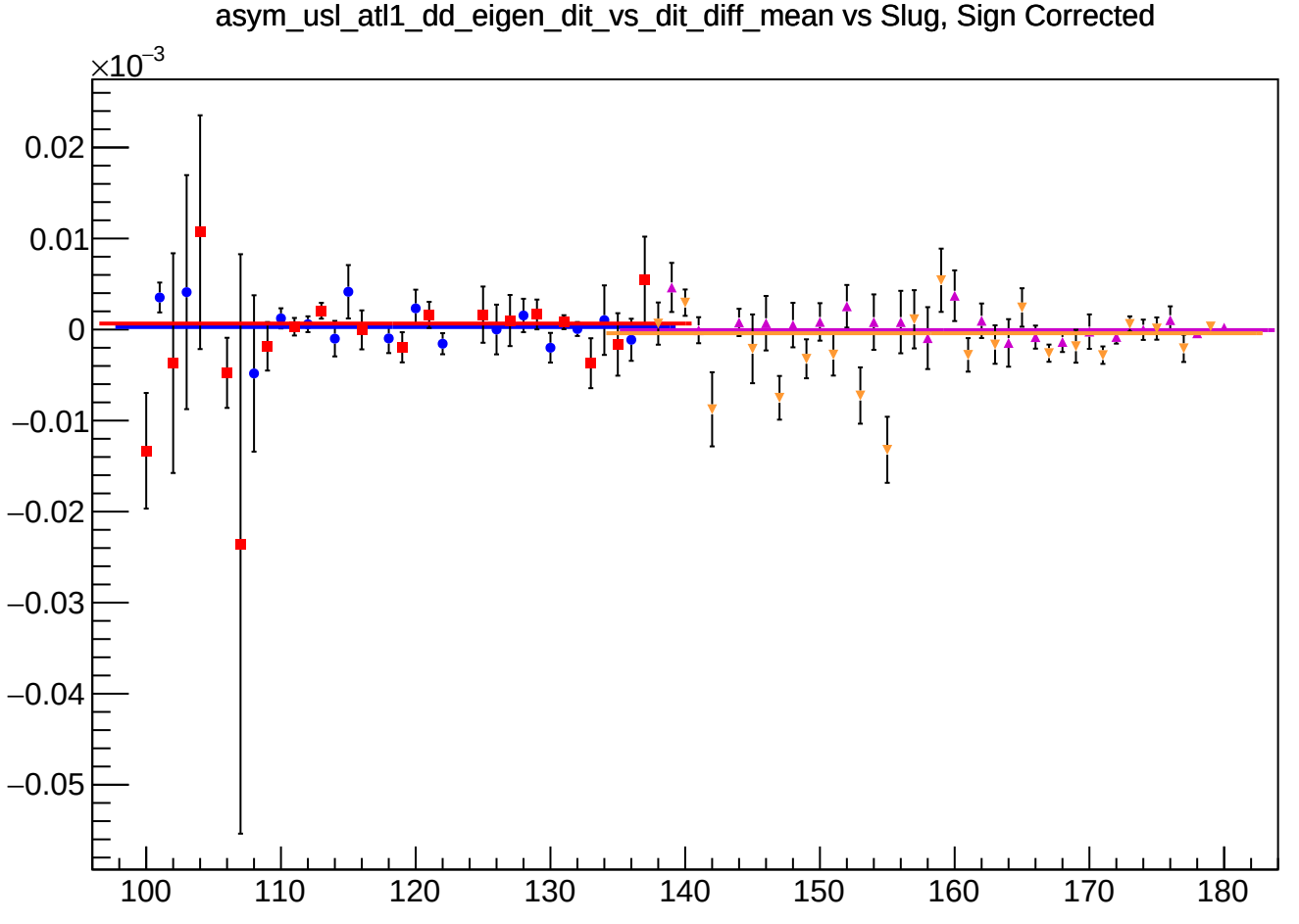
Left: 21.375+/-0.003 χ^2/NDF: 1253061.0/41

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.060+/-0.004 χ^2/NDF:2769537.5/36

Out: 22.818+/-0.004 χ^2/NDF:3355106.8/38

All: 22.420+/-0.003 χ^2/NDF: 6146342.4/75



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:66.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.4/20

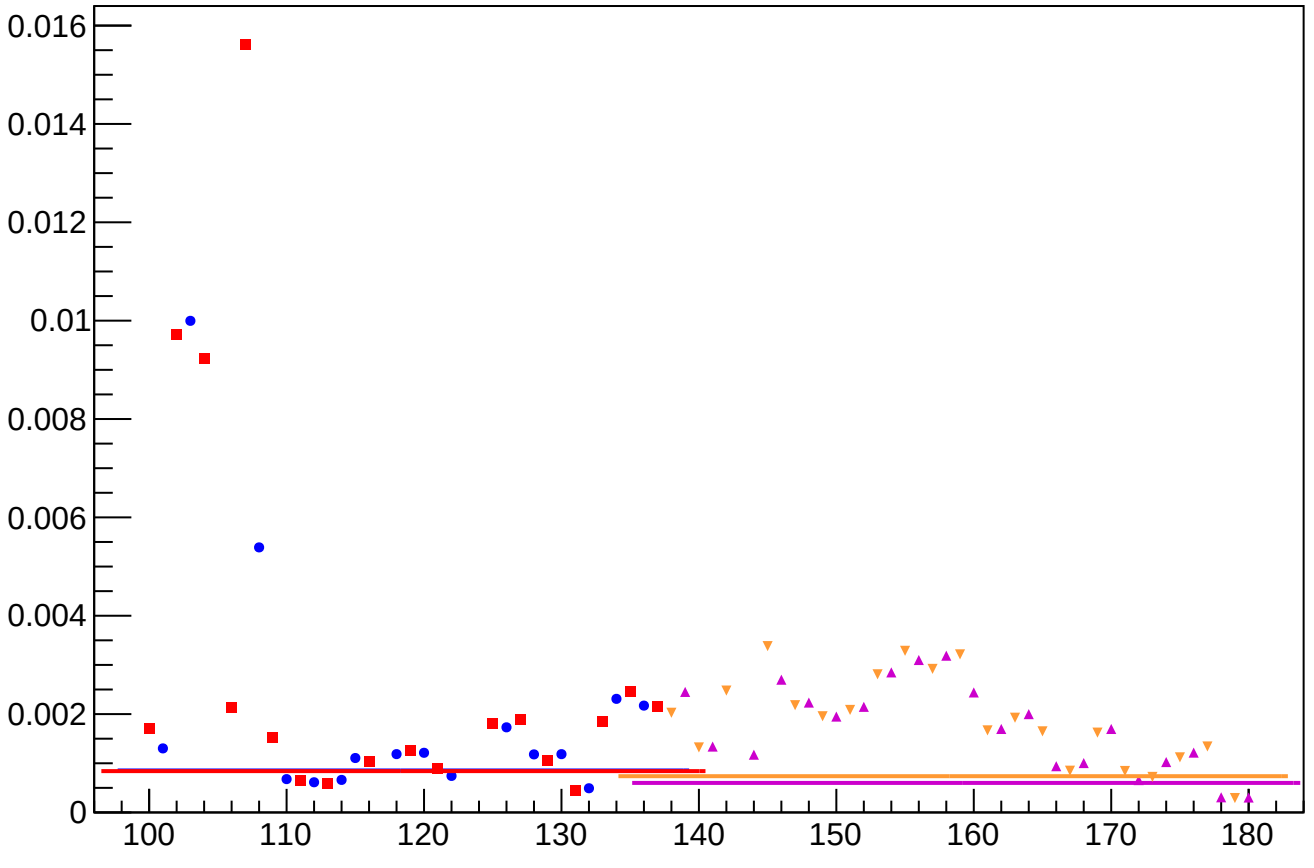
Left: -0.000+/-0.000 χ^2/NDF: 79.6/41

Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:27.5/36

Out: -0.000+/-0.000 χ^2/NDF:90.5/38

All: -0.000+/-0.000 χ^2/NDF: 118.2/75



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:14459335.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:15452905.3/20

Left: 0.001+/-0.000 χ^2/NDF: 30285289.8/41

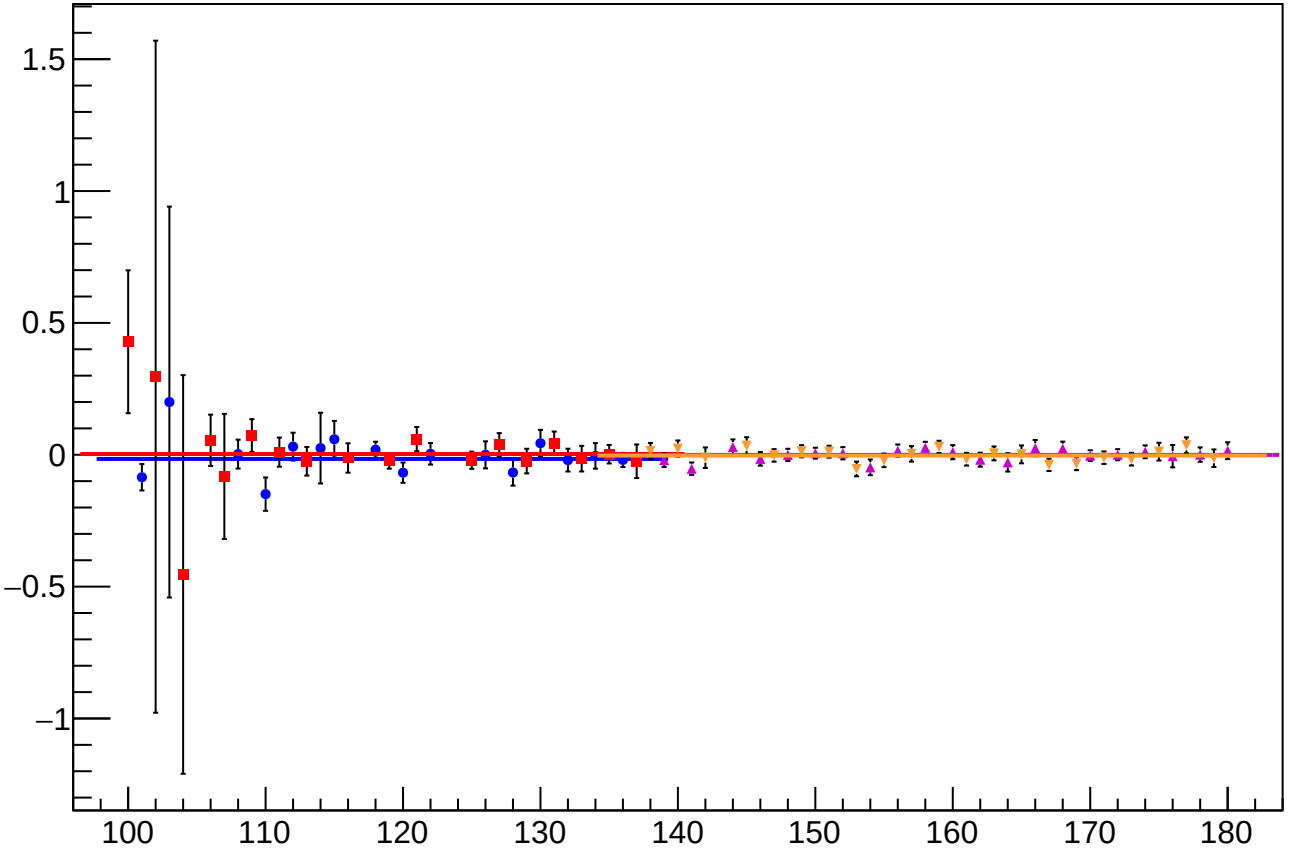
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:20014947.5/36

Out: 0.001+/-0.000 χ^2/NDF:19596362.7/38

All: 0.001+/-0.000 χ^2/NDF: 39921232.5/75

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: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.000+/-0.006 χ^2/NDF:14.8/20

Left: -0.002+/-0.004 χ^2/NDF: 30.8/41

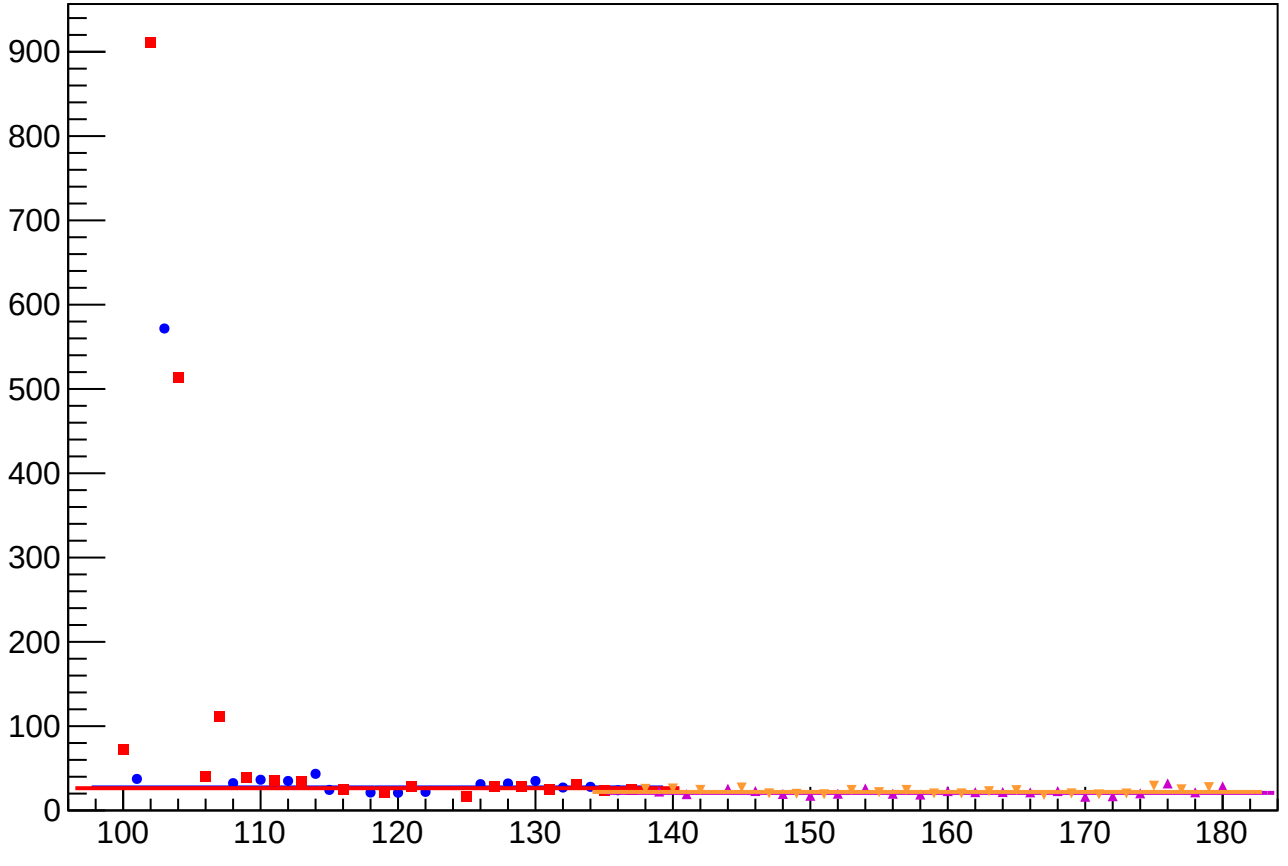
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.003+/-0.005 χ^2/NDF:30.8/36

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

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: 21.965+/-0.004 χ^2/NDF:520587.0/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694017.7/20

Left: 21.375+/-0.003 χ^2/NDF: 1253048.4/41

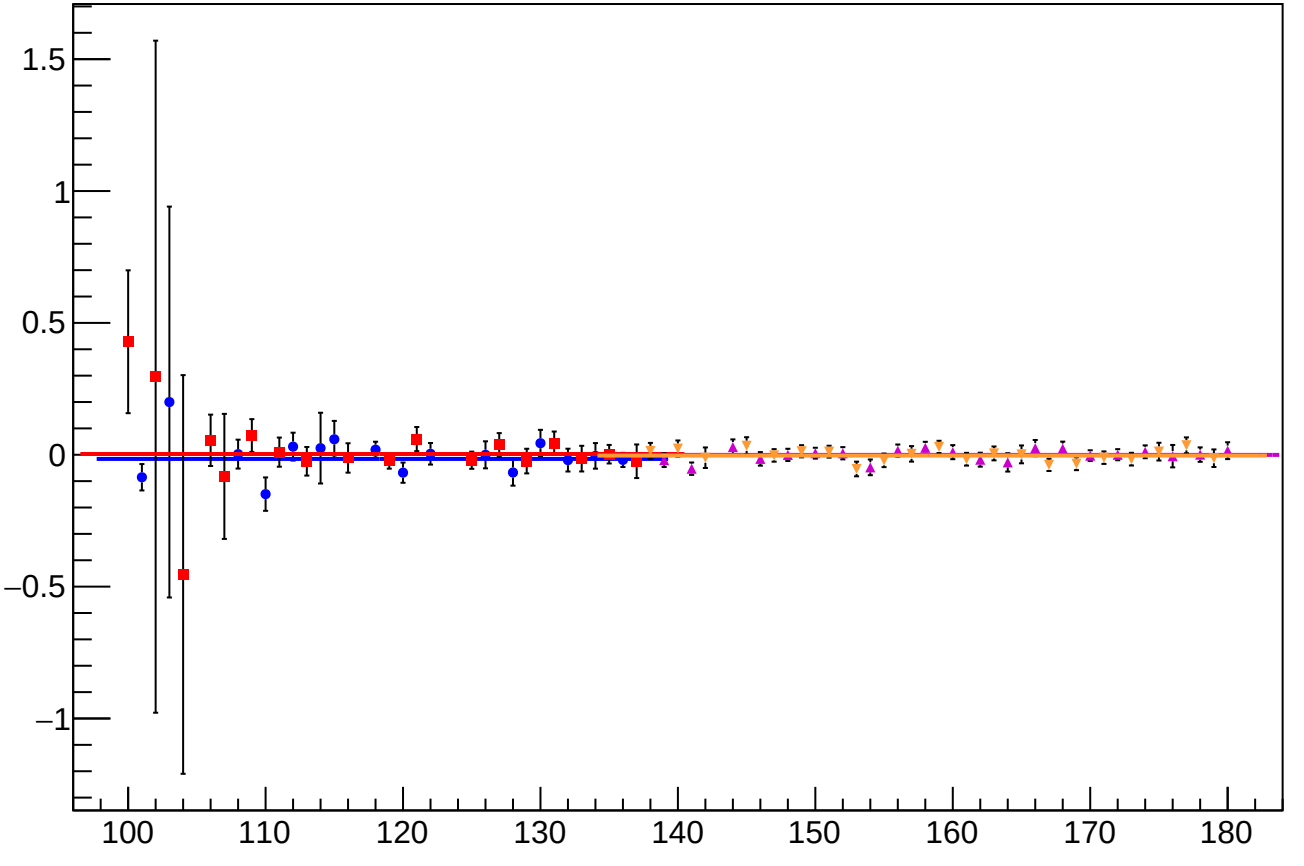
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.060+/-0.004 χ^2/NDF:2769553.5/36

Out: 22.818+/-0.004 χ^2/NDF:3355101.5/38

All: 22.420+/-0.003 χ^2/NDF: 6146352.4/75

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: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.000+/-0.006 χ^2/NDF:14.8/20

Left: -0.002+/-0.004 χ^2/NDF: 30.8/41

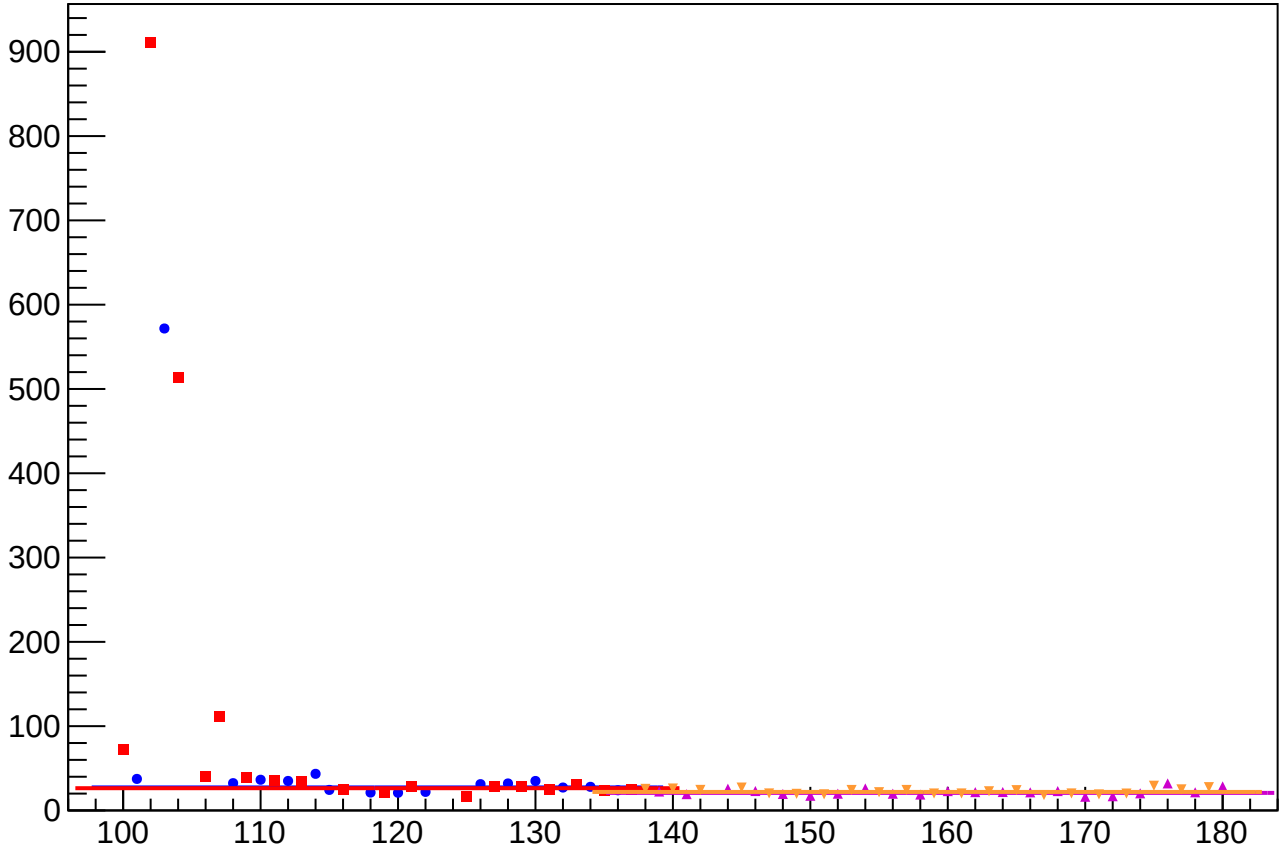
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.003+/-0.005 χ^2/NDF:30.8/36

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.8/75

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: 21.965+/-0.004 χ^2/NDF:520587.0/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.844+/-0.004 χ^2/NDF:694017.7/20

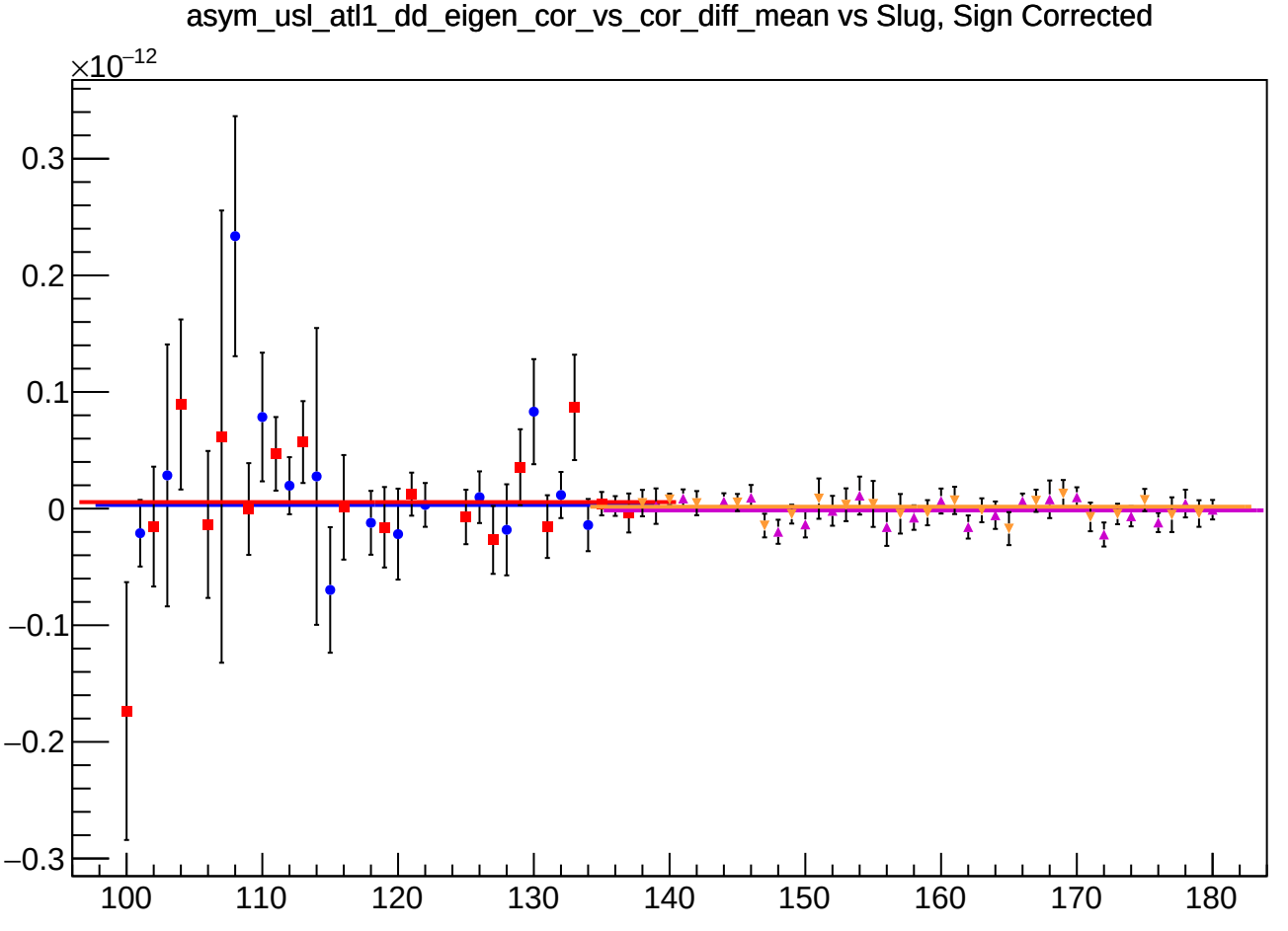
Left: 21.375+/-0.003 χ^2/NDF: 1253048.4/41

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.060+/-0.004 χ^2/NDF:2769553.5/36

Out: 22.818+/-0.004 χ^2/NDF:3355101.5/38

All: 22.420+/-0.003 χ^2/NDF: 6146352.4/75



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:22.5/20

Left: 0.000+/-0.000 χ^2/NDF: 34.3/41

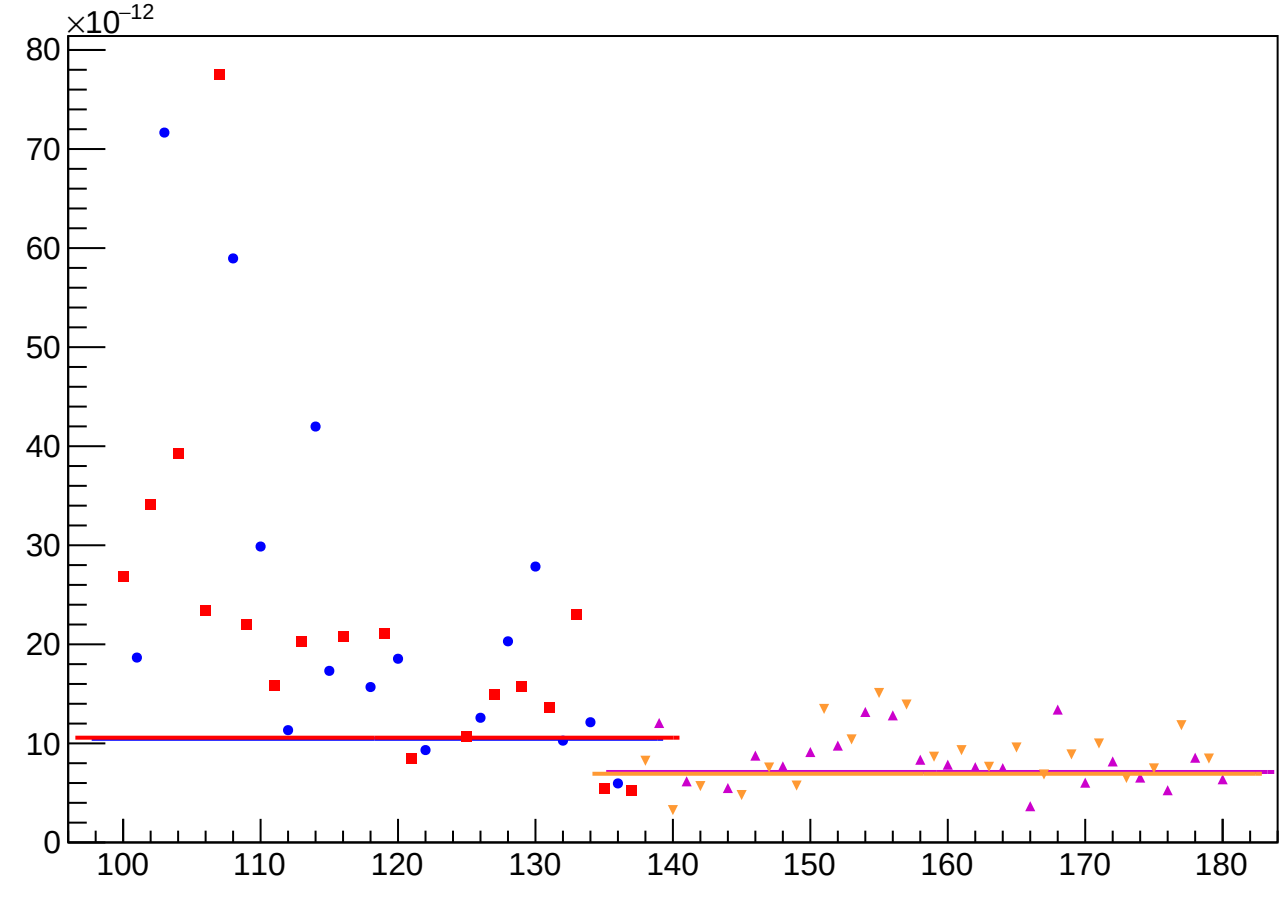
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:38.1/36

Out: 0.000+/-0.000 χ^2/NDF:26.5/38

All: 0.000+/-0.000 χ^2/NDF: 65.6/75

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:3138465.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2183897.2/20

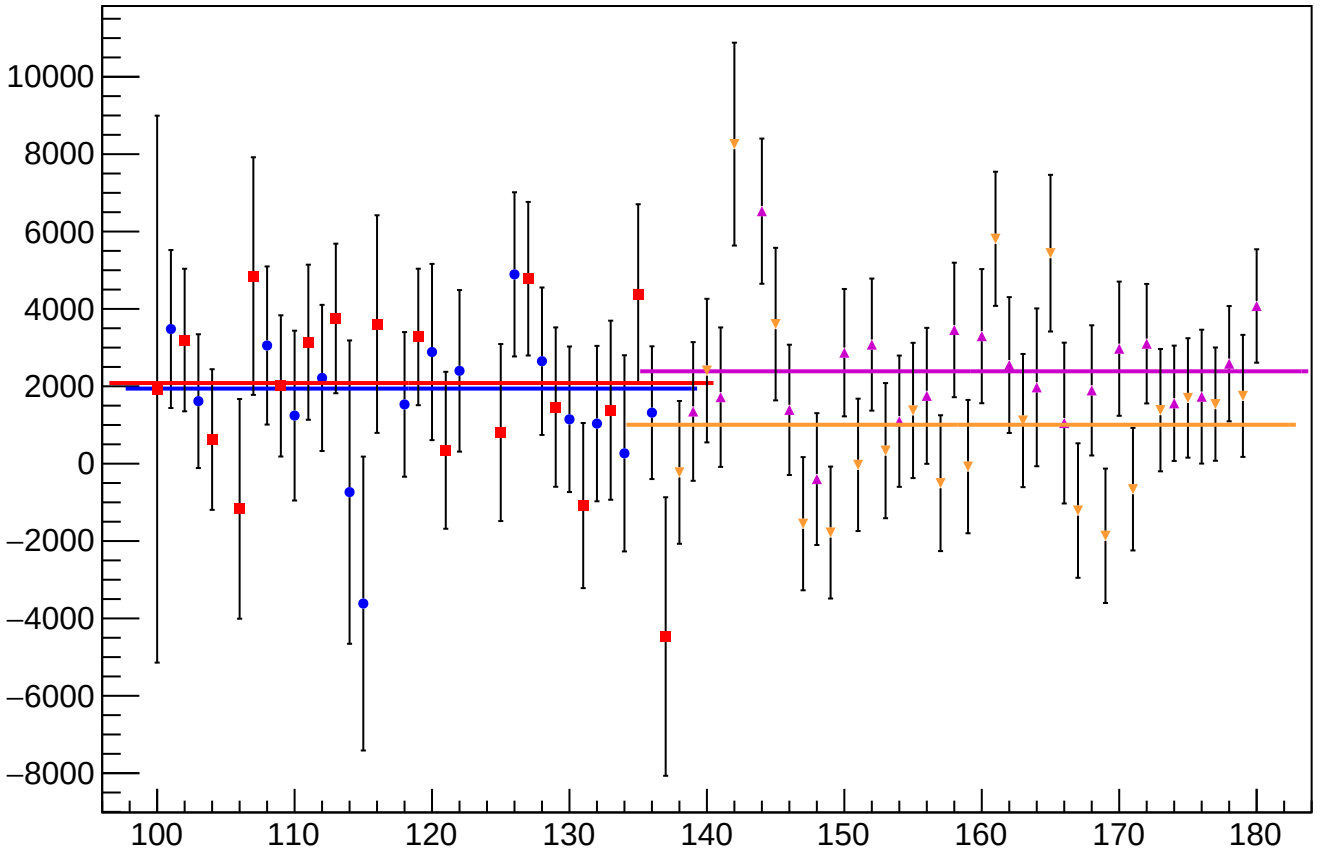
Left: 0.000+/-0.000 χ^2/NDF: 5329143.8/41

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5575652.1/36

Out: 0.000+/-0.000 χ^2/NDF:6543582.6/38

All: 0.000+/-0.000 χ^2/NDF: 12126559.0/75



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.930+/-378.245 χ^2/NDF:35.5/20

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2387.229+/-371.407 χ^2/NDF:12.6/20

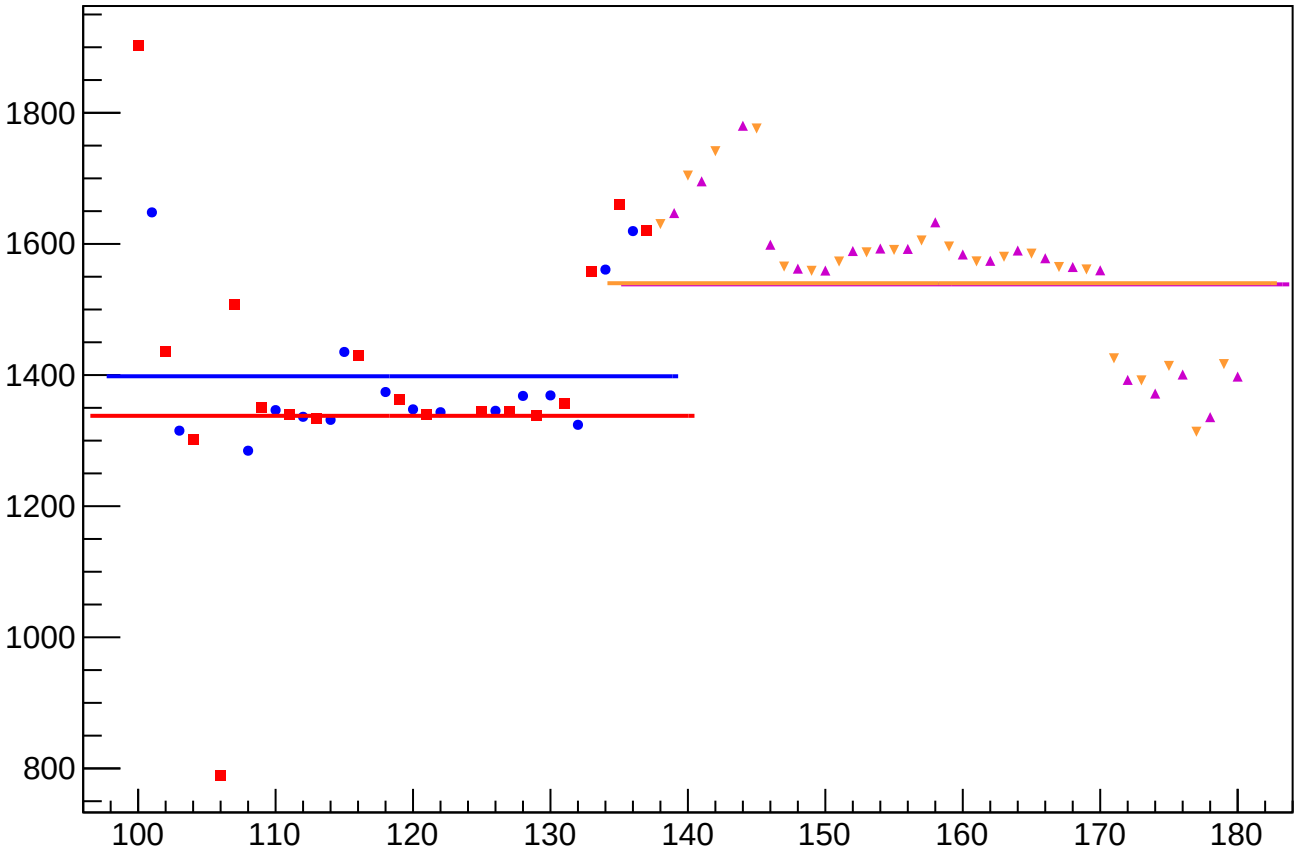
Left: 1709.178+/-265.009 χ^2/NDF: 55.0/41

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2237.311+/-302.657 χ^2/NDF:20.1/36

Out: 1379.340+/-305.798 χ^2/NDF:52.8/38

All: 1812.754+/-215.113 χ^2/NDF: 76.9/75



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

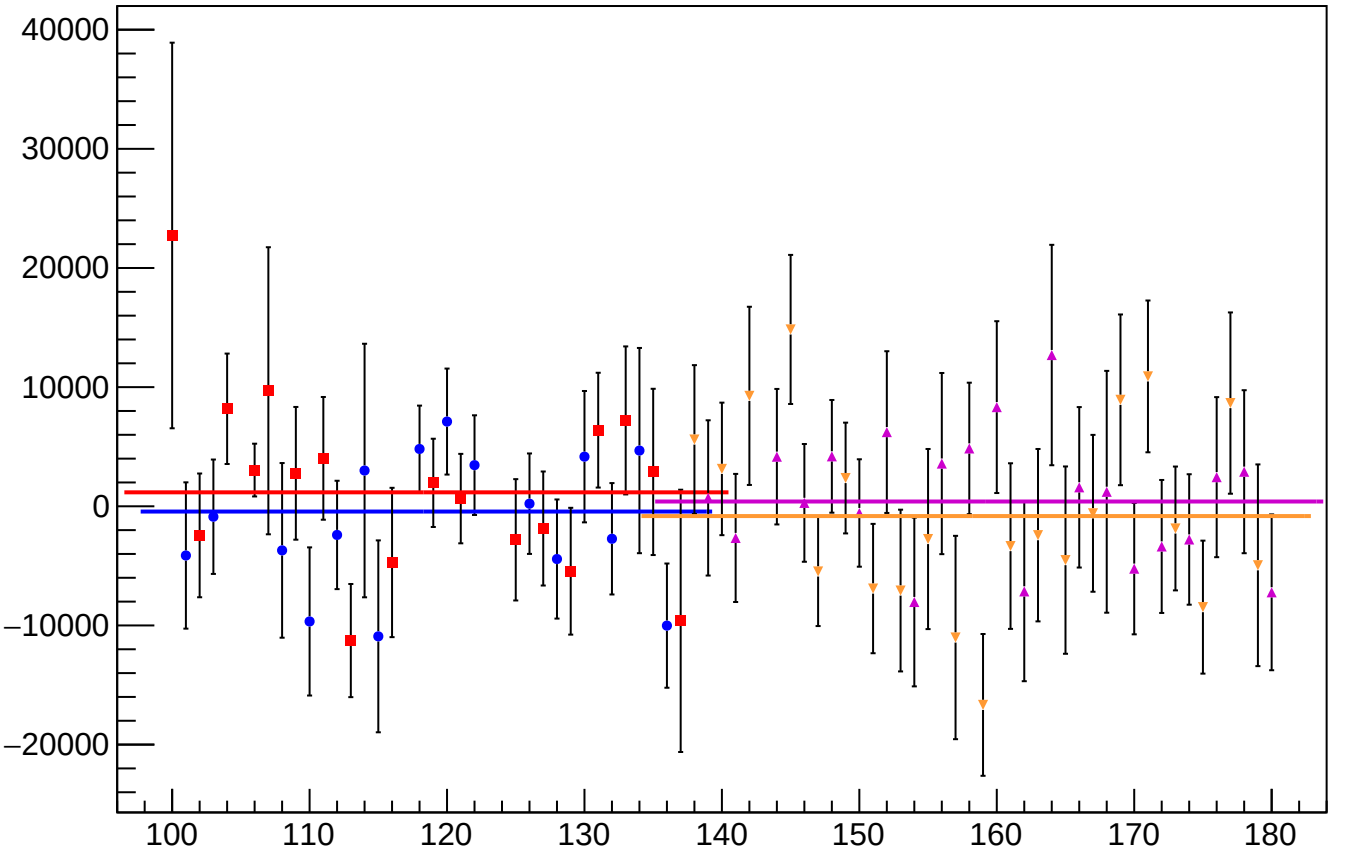
Left: 1539.202+/-0.187 χ^2/NDF: 362055.4/41

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1491.246+/-0.214 χ^2/NDF:376284.5/36

Out: 1467.092+/-0.214 χ^2/NDF:699580.5/38

All: 1479.158+/-0.151 χ^2/NDF: 1082240.2/75



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -820.631+/-1368.387 χ^2/NDF:31.2/20

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 401.336+/-1334.685 χ^2/NDF:11.9/20

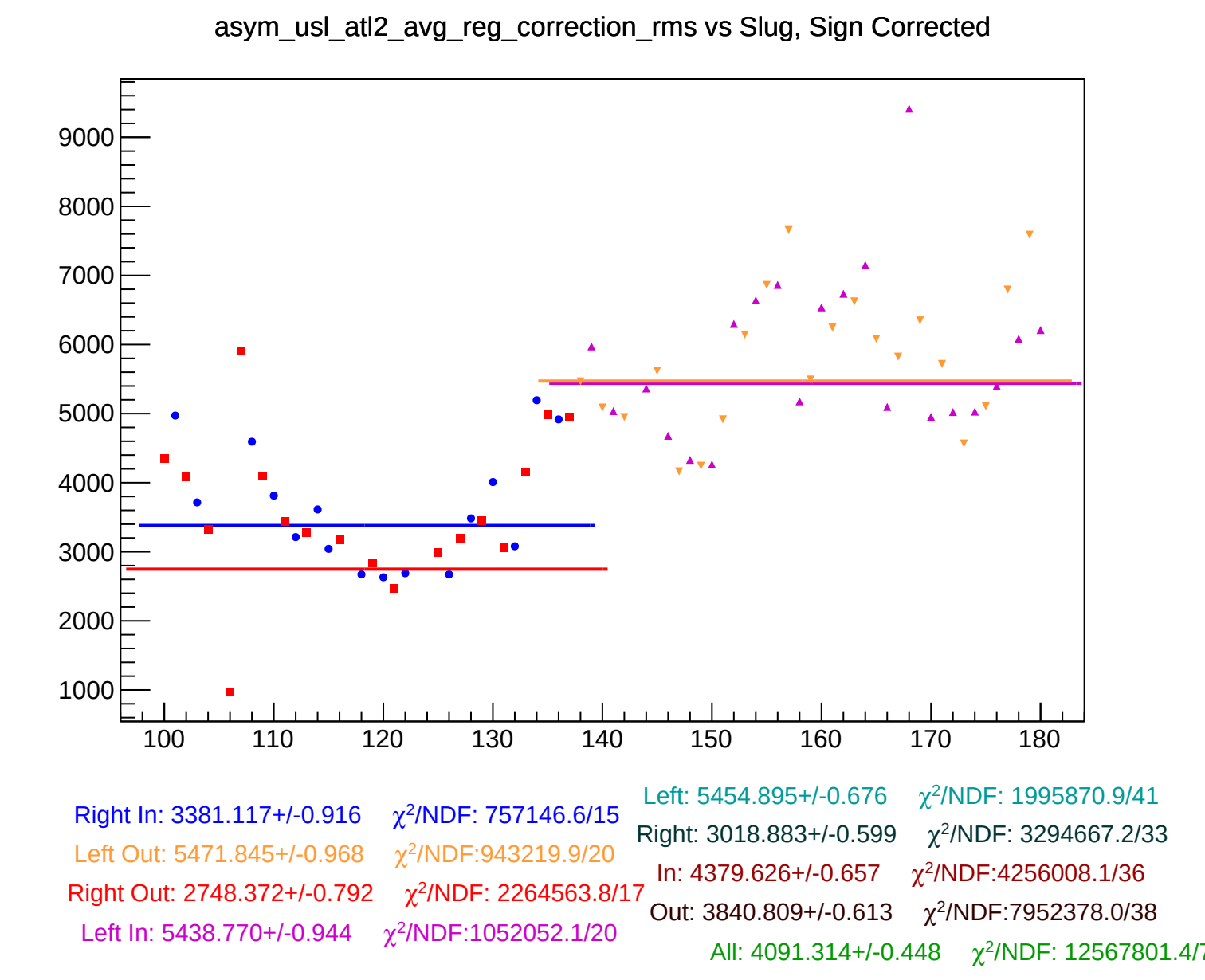
Left: -194.415+/-955.457 χ^2/NDF: 43.5/41

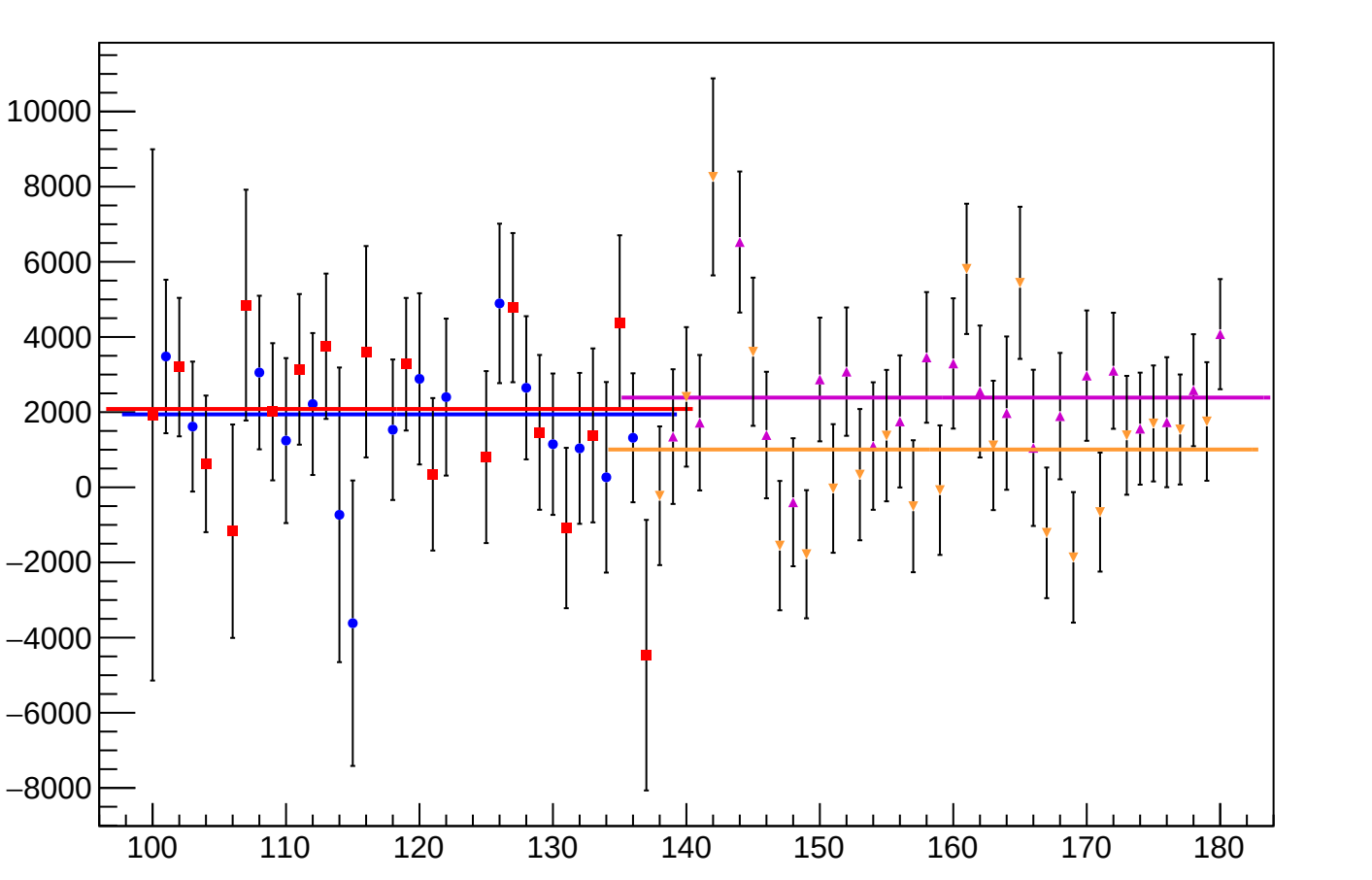
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -32.314+/-929.755 χ^2/NDF:28.0/36

Out: 372.447+/-866.653 χ^2/NDF:52.1/38

All: 184.267+/-633.952 χ^2/NDF: 80.2/75


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
180
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5471.845+/-0.968 χ²/NDF:943219.9/20
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5438.770+/-0.944 χ²/NDF:1052052.1/20
Left: 5454.895+/-0.676 χ²/NDF: 1995870.9/41
Right: 3018.883+/-0.599 χ²/NDF: 3294667.2/33
In: 4379.626+/-0.657 χ²/NDF:4256008.1/36
Out: 3840.809+/-0.613 χ²/NDF:7952378.0/38
All: 4091.314+/-0.448 χ²/NDF: 12567801.4/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2387.199+/-371.407 χ^2/NDF:12.6/20

Left: 1709.168+/-265.009 χ^2/NDF: 55.0/41

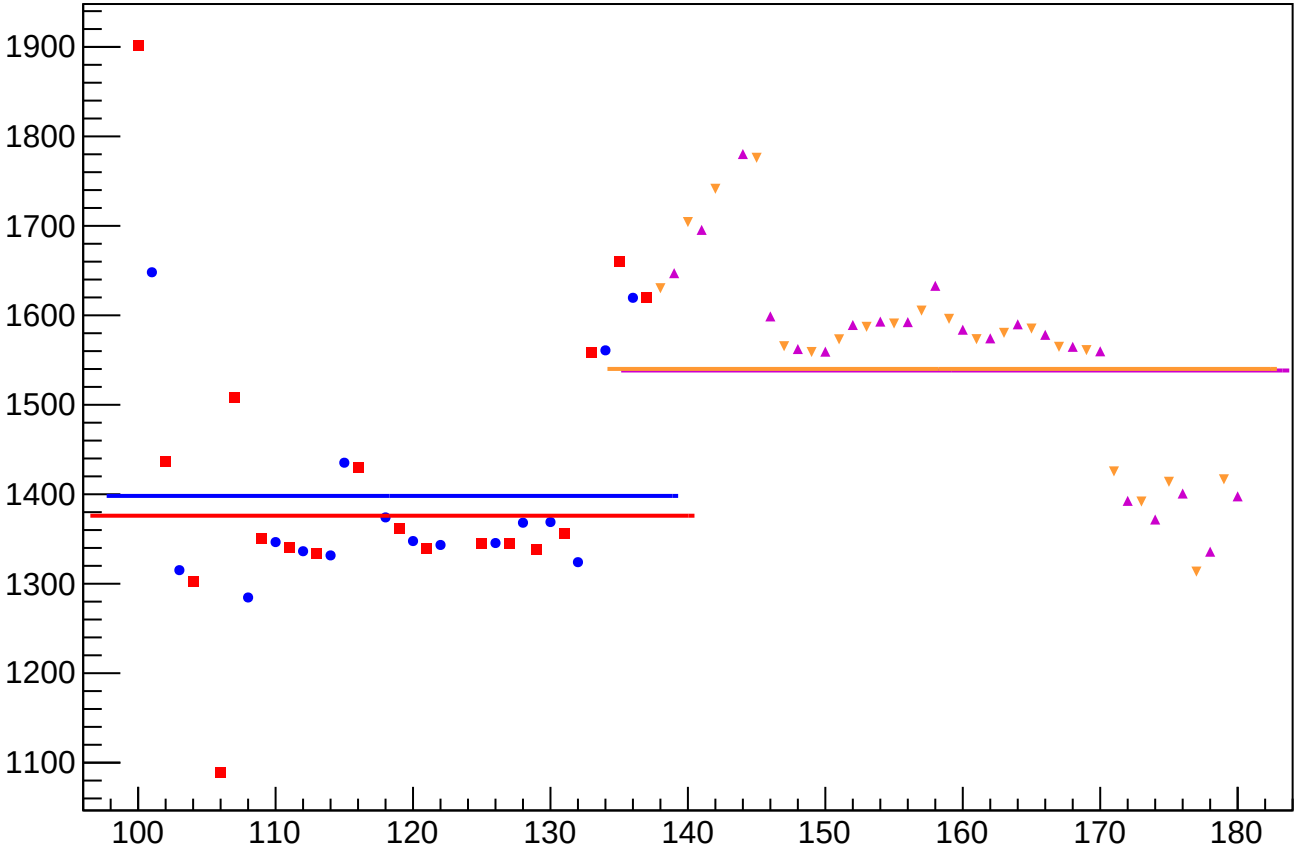
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2237.310+/-302.657 χ^2/NDF:20.1/36

Out: 1379.418+/-305.799 χ^2/NDF:52.8/38

All: 1812.793+/-215.113 χ^2/NDF: 76.9/75

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

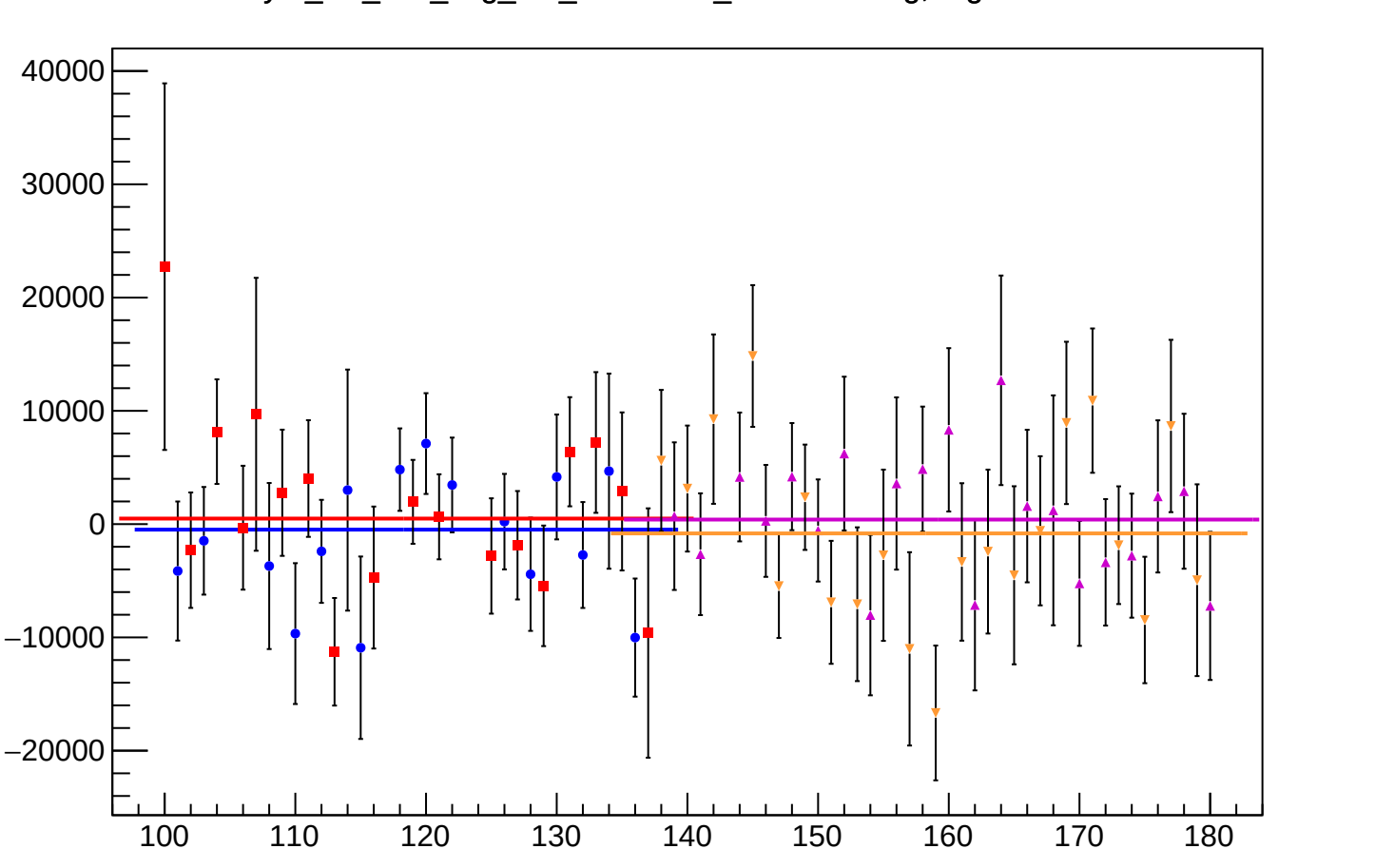
Left: 1539.202+/-0.187 χ^2/NDF: 362055.3/41

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1491.246+/-0.214 χ^2/NDF:376284.7/36

Out: 1482.266+/-0.215 χ^2/NDF:422060.3/38

All: 1486.781+/-0.152 χ^2/NDF: 799220.4/75



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 401.412+/-1334.683 χ^2/NDF:11.9/20

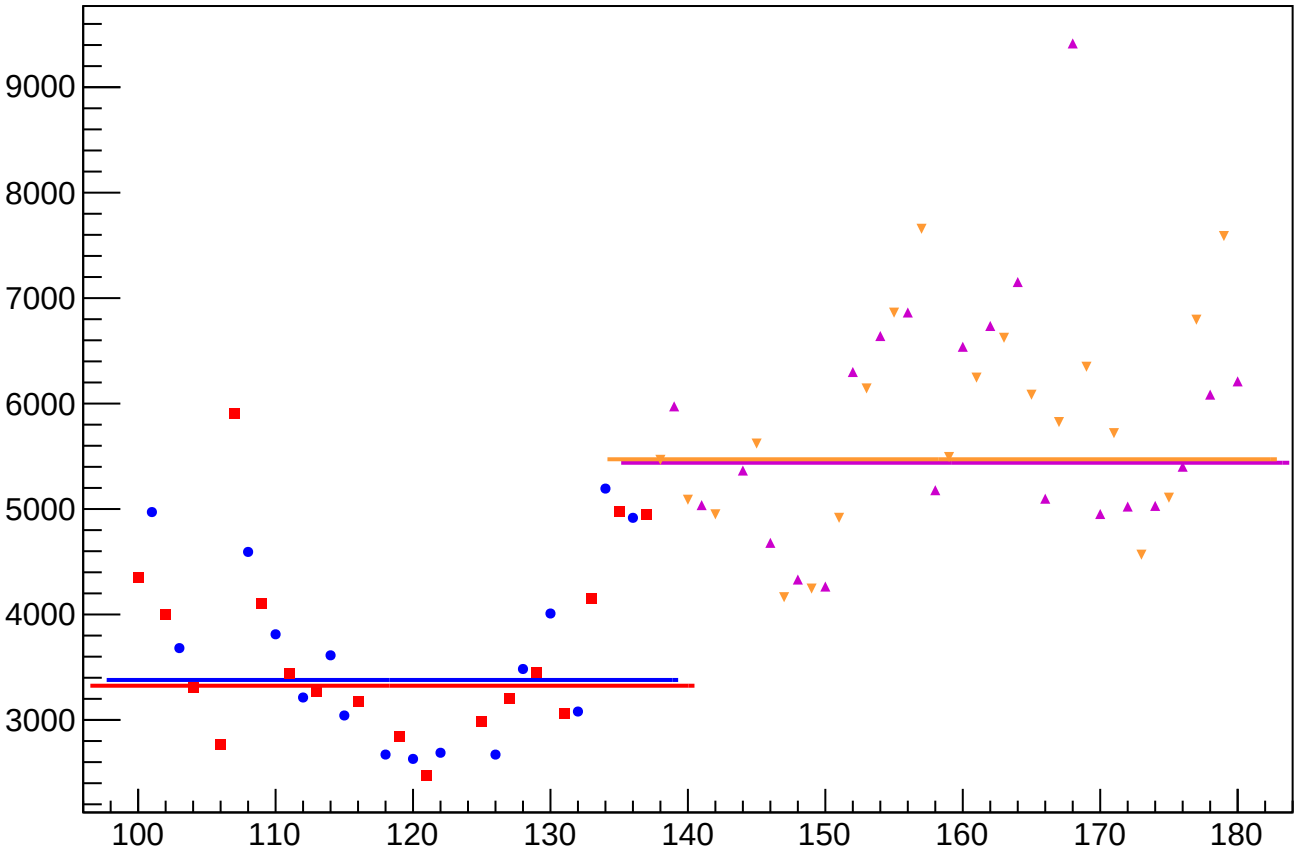
Left: -194.383+/-955.457 χ^2/NDF: 43.5/41

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -55.996+/-929.390 χ^2/NDF:28.0/36

Out: -112.807+/-927.430 χ^2/NDF:50.4/38

All: -84.462+/-656.484 χ^2/NDF: 78.5/75



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

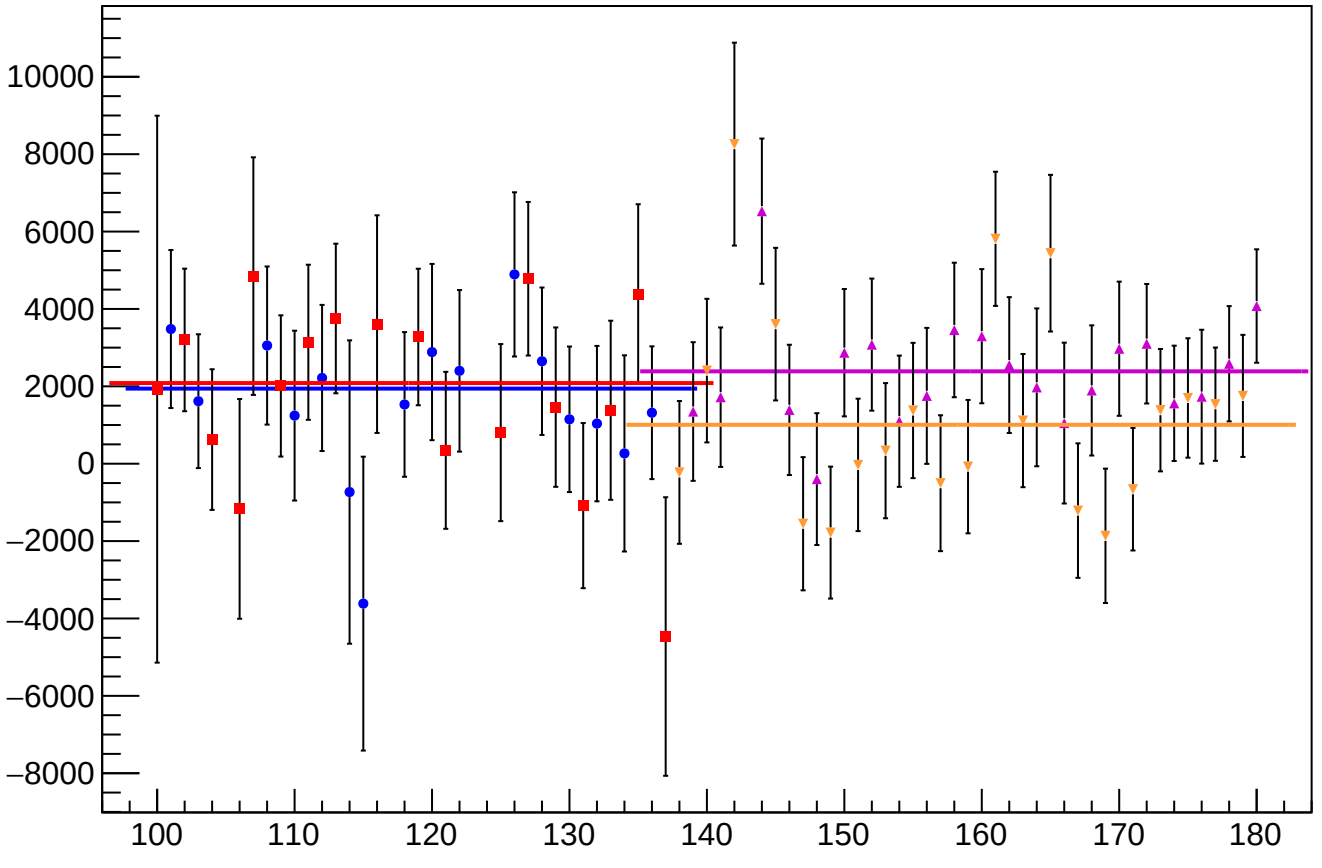
Left: 5454.895+/-0.676 χ^2/NDF: 1995875.2/41

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4377.808+/-0.657 χ^2/NDF:4260784.8/36

Out: 4310.859+/-0.656 χ^2/NDF:4149919.3/38

All: 4344.263+/-0.464 χ^2/NDF: 8415904.1/75



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2387.199+/-371.407 χ^2/NDF:12.6/20

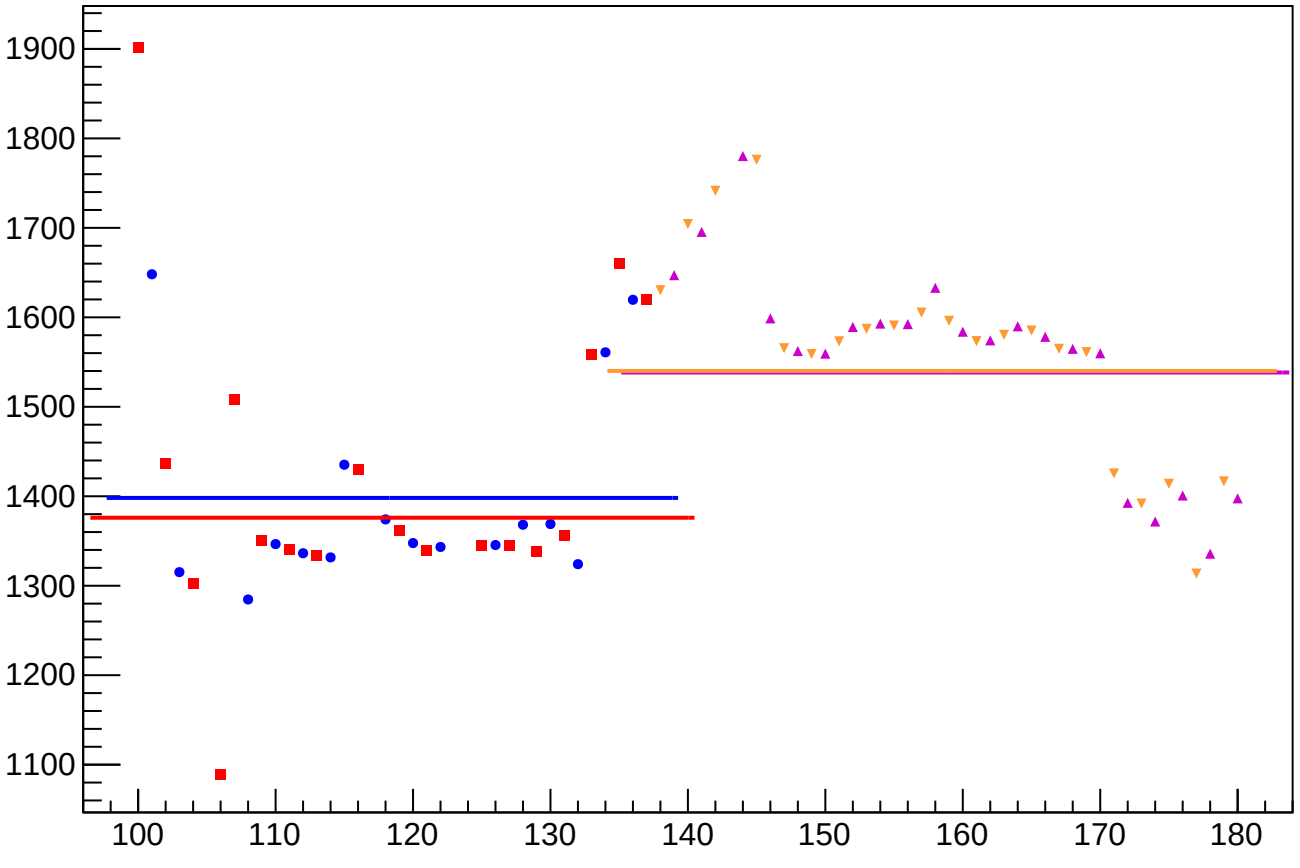
Left: 1709.168+/-265.009 χ^2/NDF: 55.0/41

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2237.310+/-302.657 χ^2/NDF:20.1/36

Out: 1379.418+/-305.799 χ^2/NDF:52.8/38

All: 1812.793+/-215.113 χ^2/NDF: 76.9/75



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1538.339+/-0.263 χ^2/NDF:186650.3/20

Left: 1539.202+/-0.187 χ^2/NDF: 362055.3/41

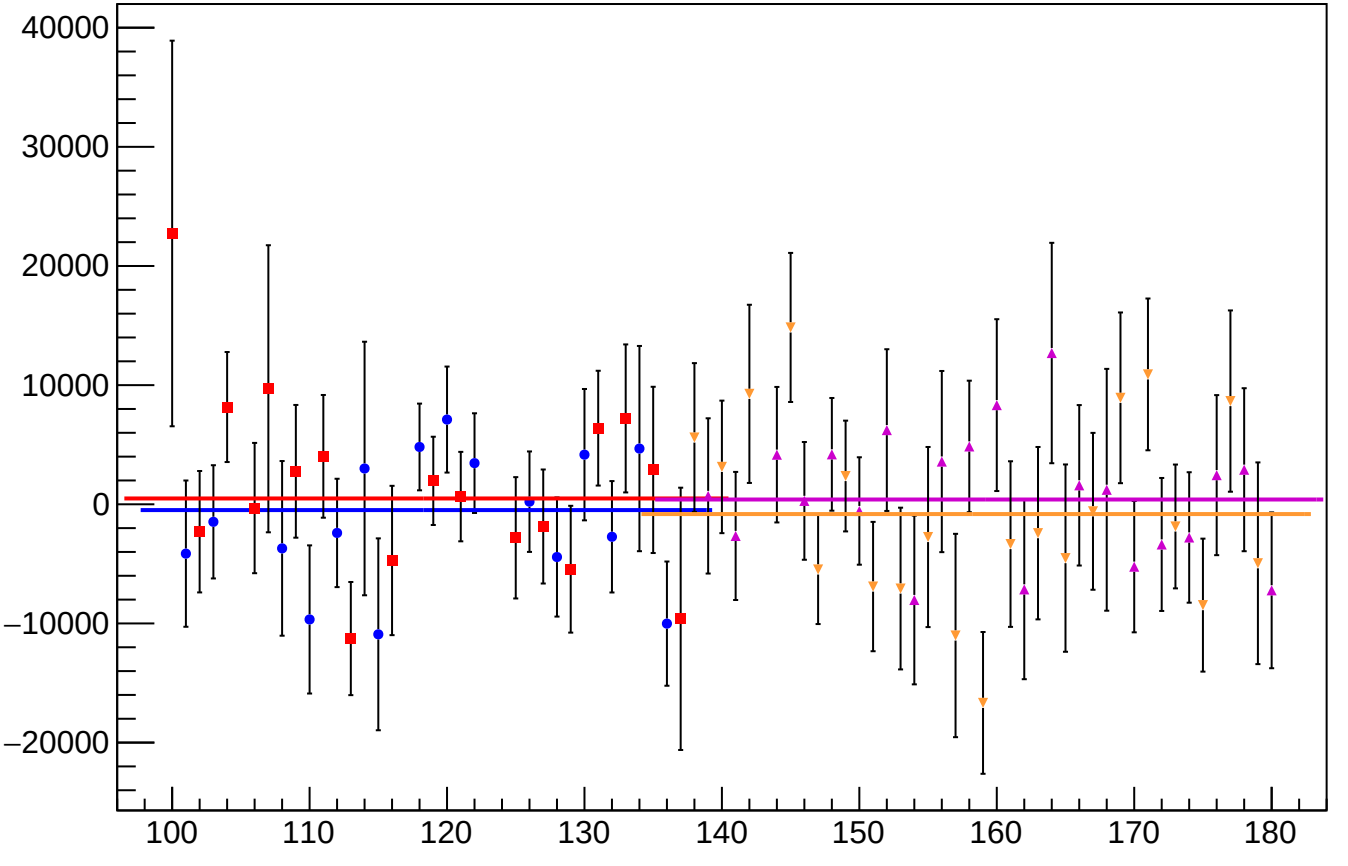
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1491.246+/-0.214 χ^2/NDF:376284.7/36

Out: 1482.266+/-0.215 χ^2/NDF:422060.3/38

All: 1486.781+/-0.152 χ^2/NDF: 799220.4/75

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: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 401.412+/-1334.683 χ^2/NDF:11.9/20

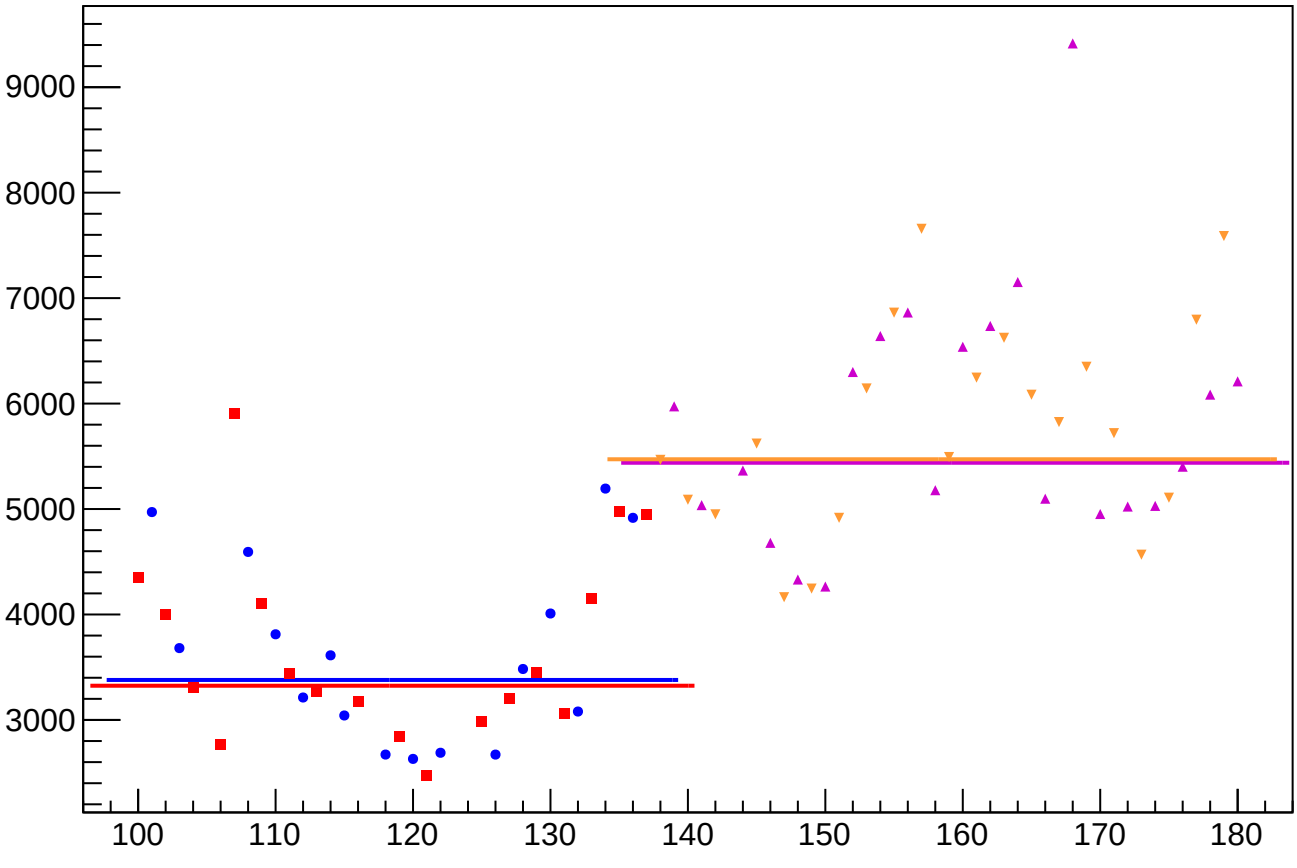
Left: -194.383+/-955.457 χ^2/NDF: 43.5/41

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -55.996+/-929.390 χ^2/NDF:28.0/36

Out: -112.807+/-927.430 χ^2/NDF:50.4/38

All: -84.462+/-656.484 χ^2/NDF: 78.5/75



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5438.765+/-0.944 χ^2/NDF:1052060.2/20

Left: 5454.895+/-0.676 χ^2/NDF: 1995875.2/41

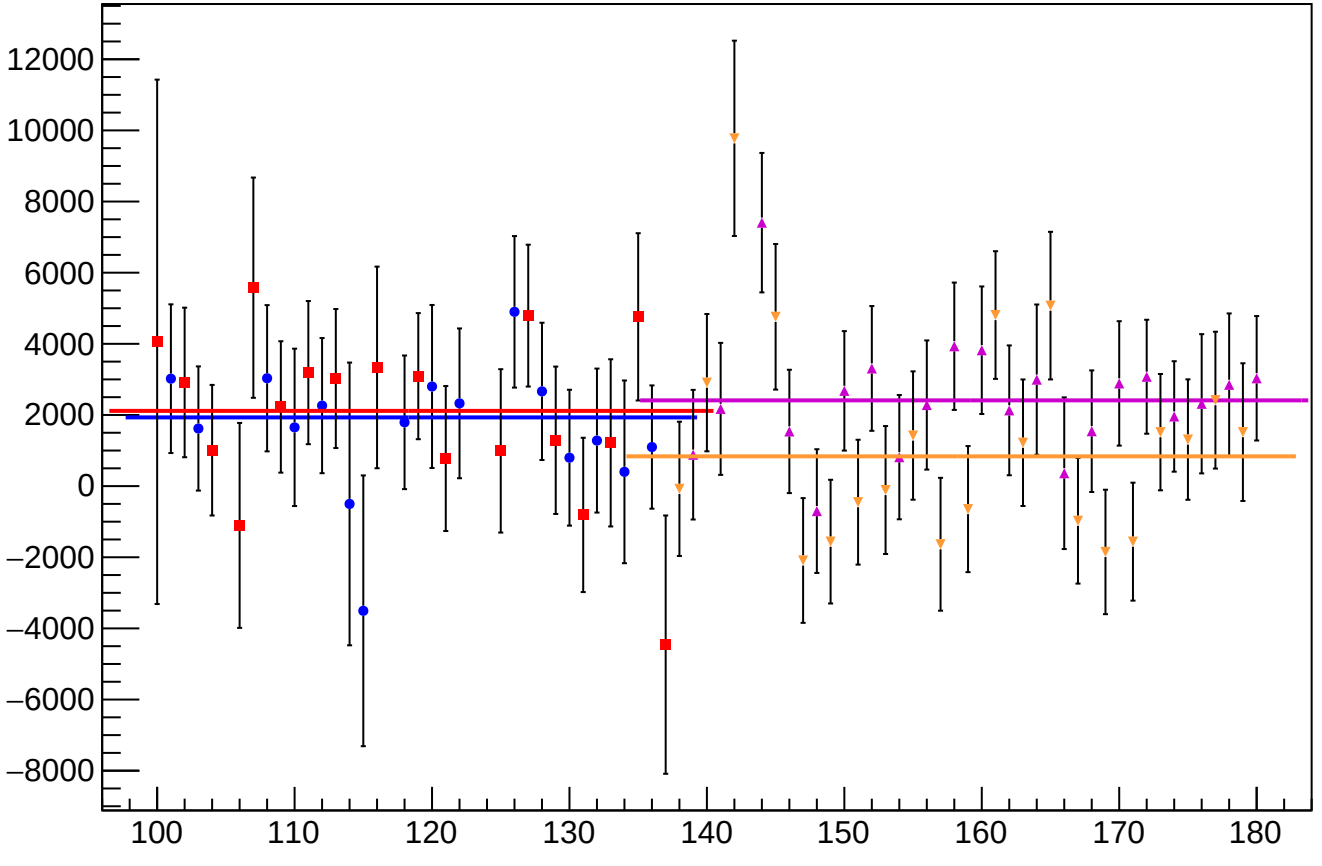
Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4377.808+/-0.657 χ^2/NDF:4260784.8/36

Out: 4310.859+/-0.656 χ^2/NDF:4149919.3/38

All: 4344.263+/-0.464 χ^2/NDF: 8415904.1/75

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.732+/-399.902 χ^2/NDF:39.4/20

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2410.712+/-392.118 χ^2/NDF:14.9/20

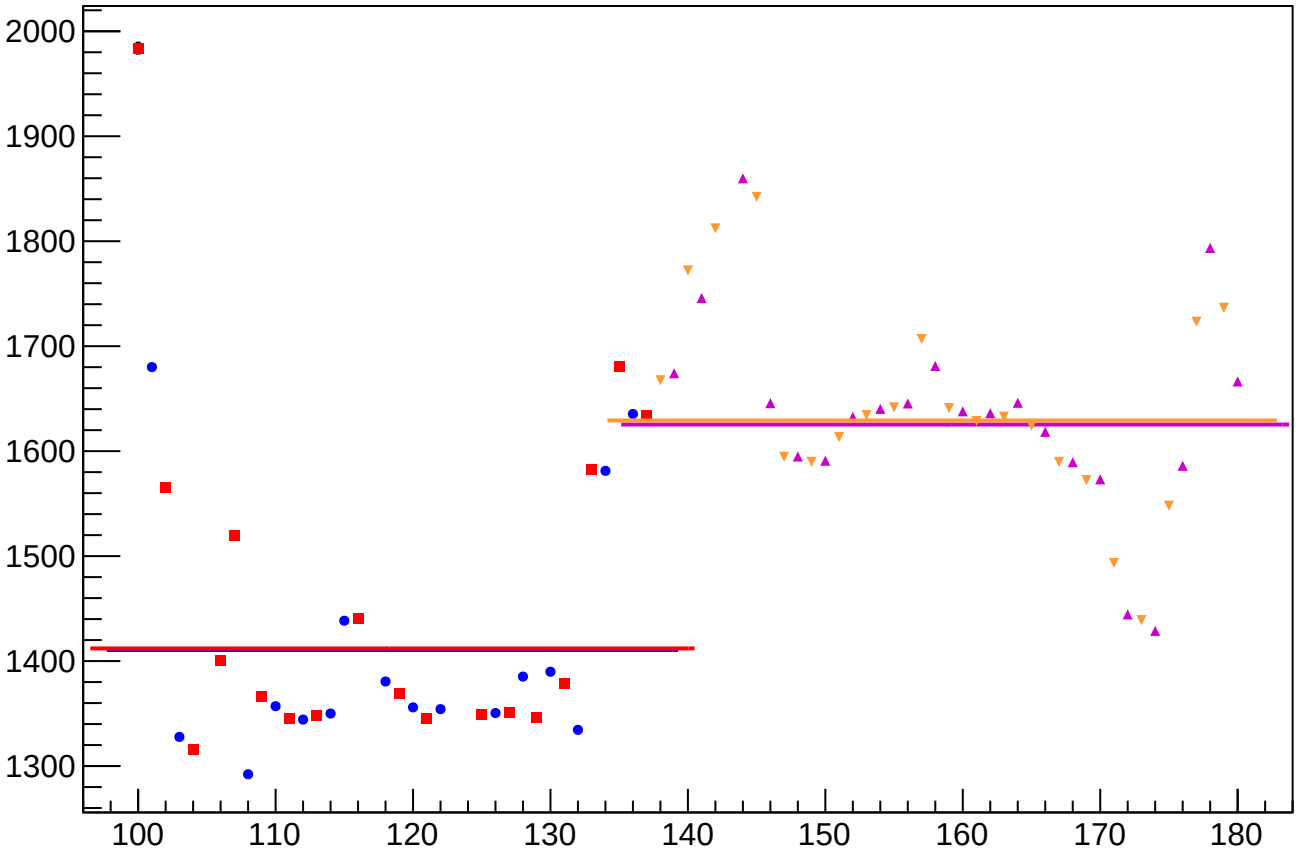
Left: 1639.188+/-279.981 χ^2/NDF: 62.2/41

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2240.018+/-314.619 χ^2/NDF:21.8/36

Out: 1301.871+/-318.963 χ^2/NDF:56.3/38

All: 1777.377+/-223.989 χ^2/NDF: 82.5/75



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.219+/-0.283 χ^2/NDF:107105.7/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1625.343+/-0.277 χ^2/NDF:119187.6/20

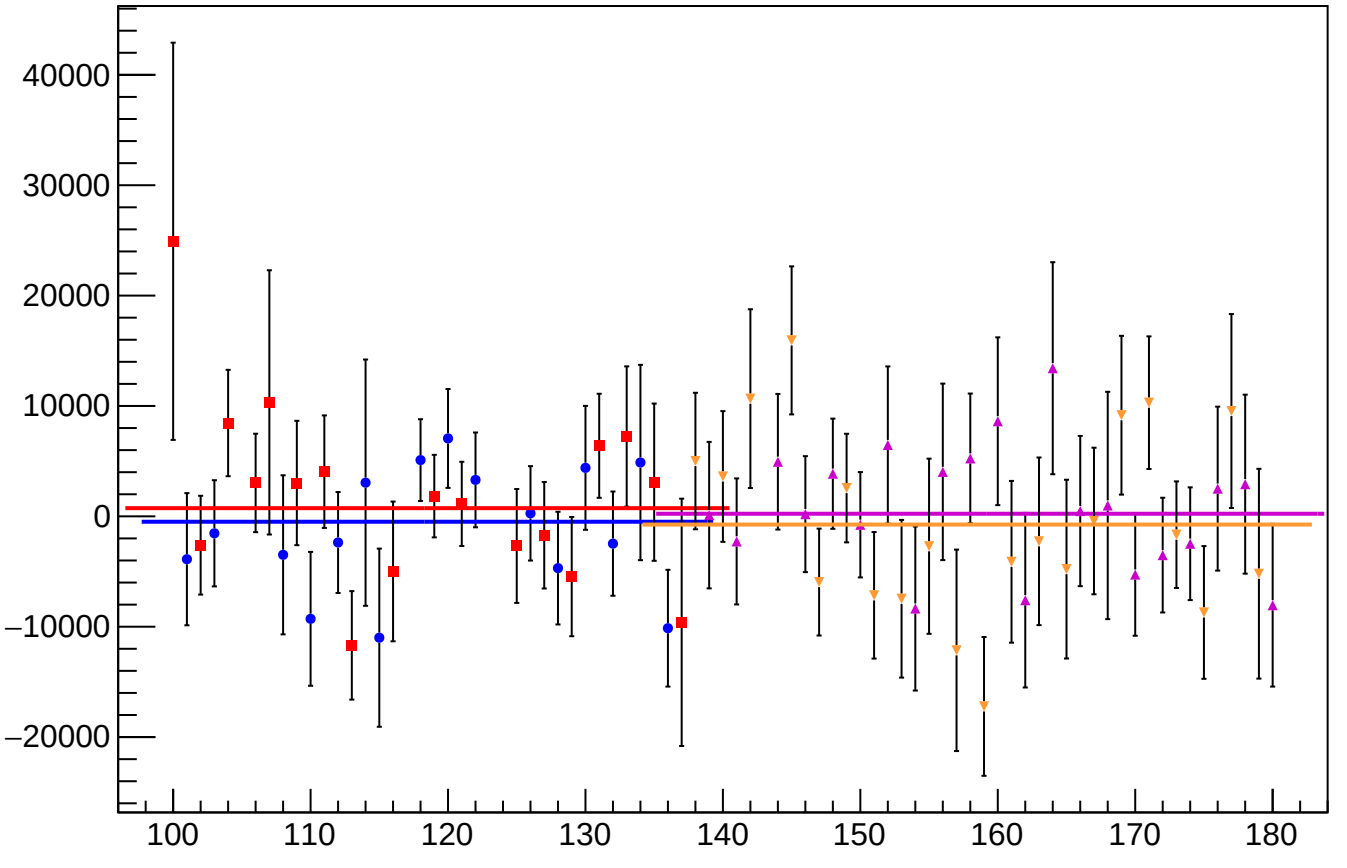
Left: 1627.243+/-0.198 χ^2/NDF: 226389.1/41

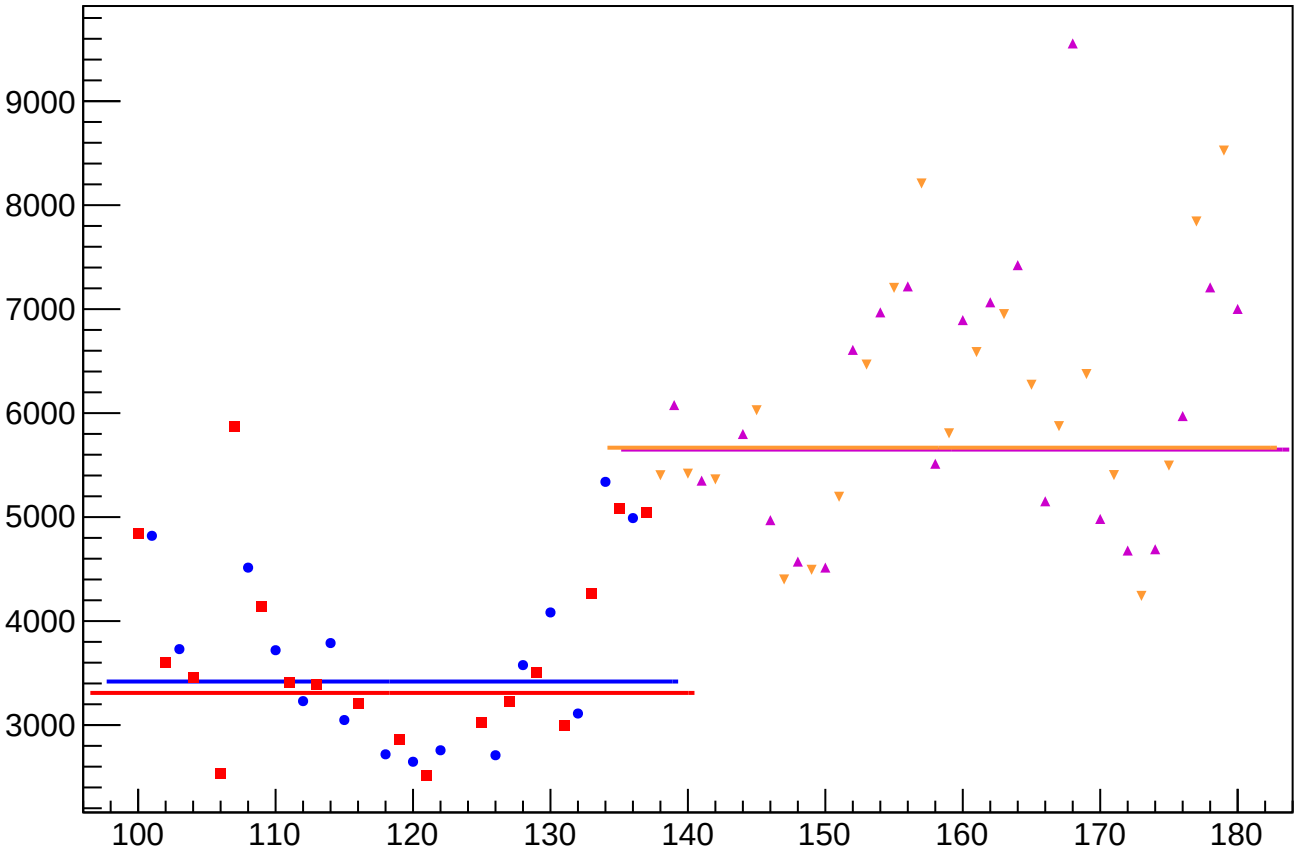
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1548.844+/-0.222 χ^2/NDF:432022.8/36

Out: 1549.938+/-0.225 χ^2/NDF:412137.3/38

All: 1549.384+/-0.158 χ^2/NDF: 844172.0/75


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
180
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -743.118+/-1421.503 χ²/NDF:31.0/20
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 235.214+/-1390.243 χ²/NDF:11.8/20
Left: -243.076+/-993.918 χ²/NDF: 43.0/41
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: -148.969+/-952.911 χ²/NDF:27.7/36
Out: 94.795+/-937.824 χ²/NDF:50.8/38
All: -25.142+/-668.412 χ²/NDF: 78.5/75



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5667.463+/-1.005 χ^2/NDF:1140994.1/20

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5649.258+/-0.983 χ^2/NDF:1230711.7/20

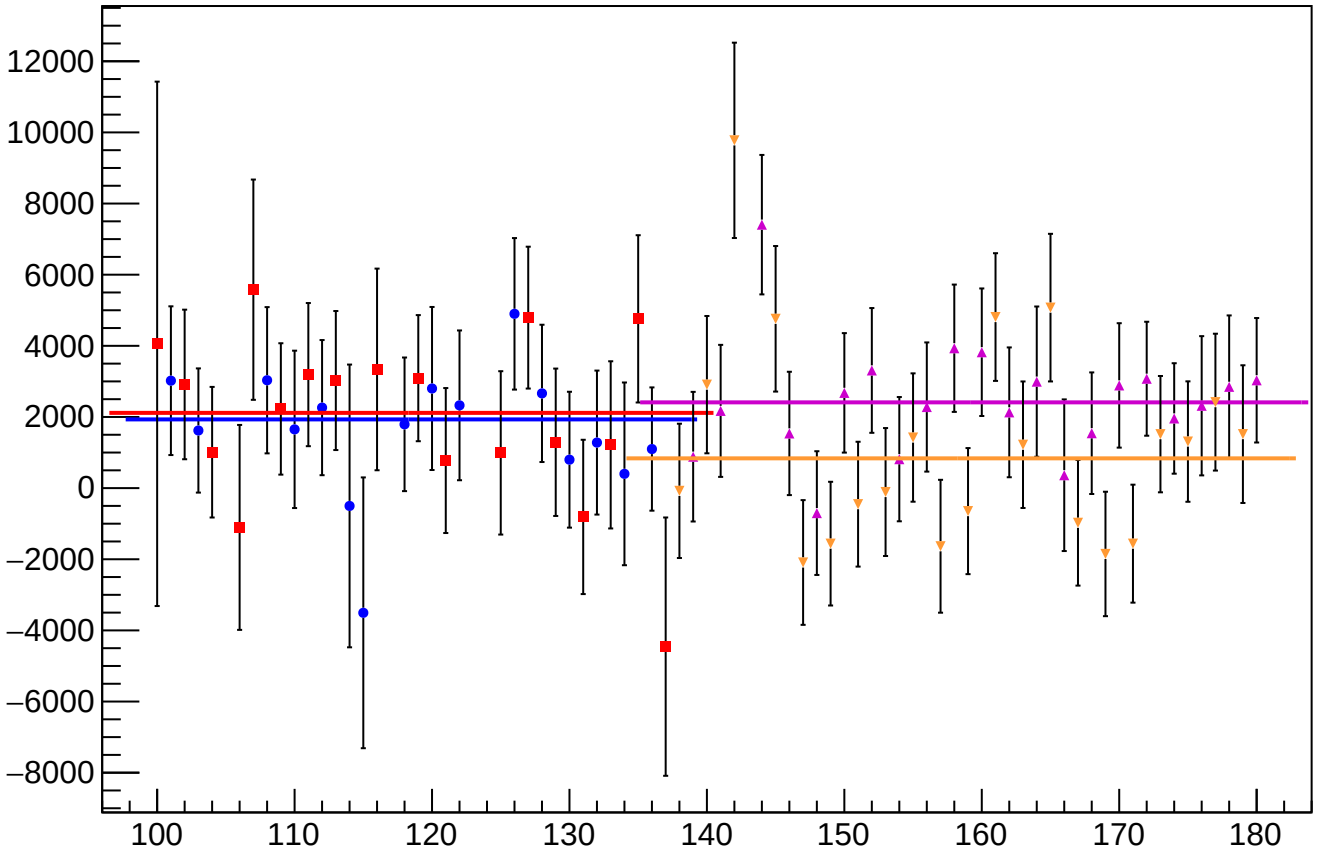
Left: 5658.158+/-0.703 χ^2/NDF: 2371873.5/41

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4466.642+/-0.674 χ^2/NDF:4681567.9/36

Out: 4335.603+/-0.663 χ^2/NDF:4821793.6/38

All: 4400.077+/-0.473 χ^2/NDF: 9522573.3/75



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.726+/-399.902 χ^2/NDF:39.4/20

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2410.713+/-392.119 χ^2/NDF:14.9/20

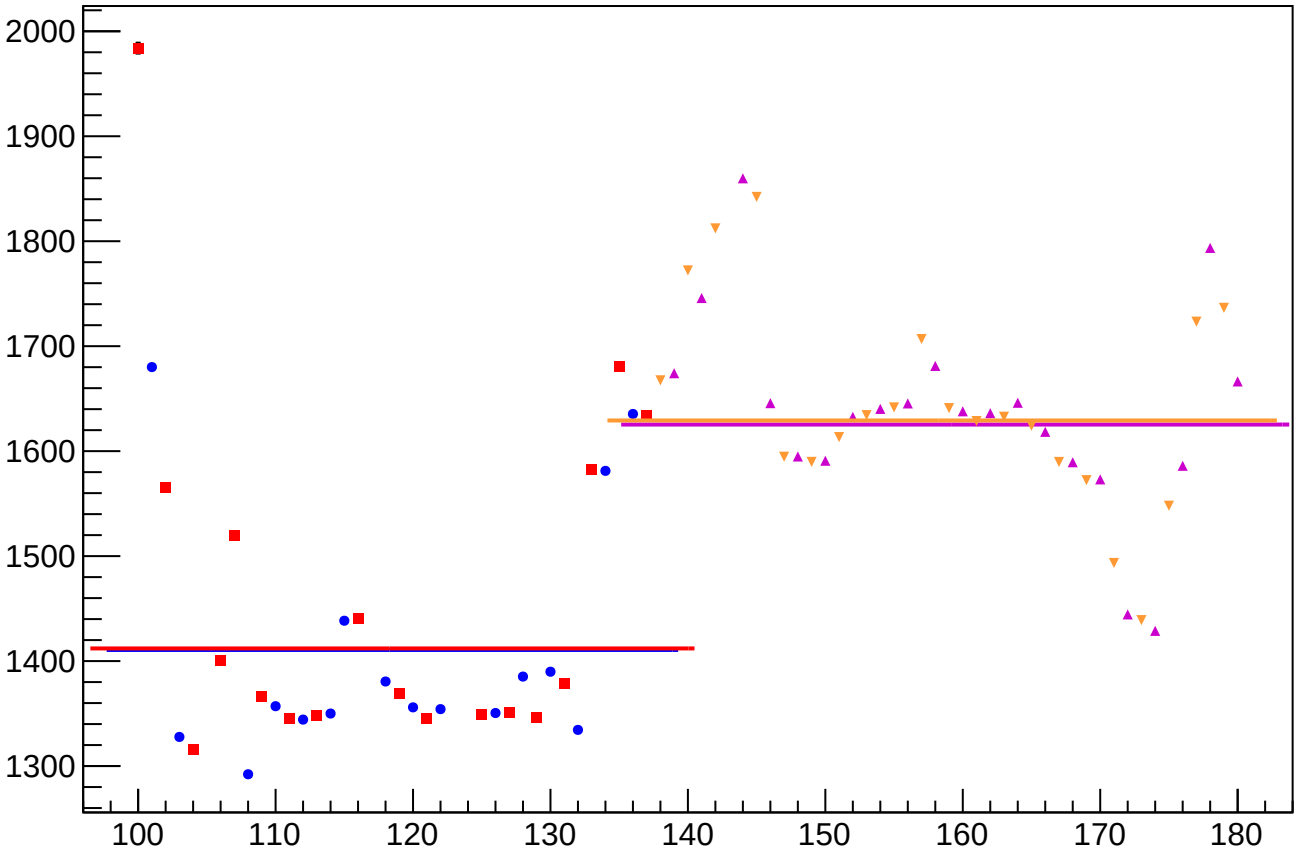
Left: 1639.185+/-279.981 χ^2/NDF: 62.2/41

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2240.018+/-314.619 χ^2/NDF:21.8/36

Out: 1301.868+/-318.963 χ^2/NDF:56.3/38

All: 1777.376+/-223.989 χ^2/NDF: 82.5/75



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.221+/-0.283 χ^2/NDF:107111.1/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1625.344+/-0.277 χ^2/NDF:119192.6/20

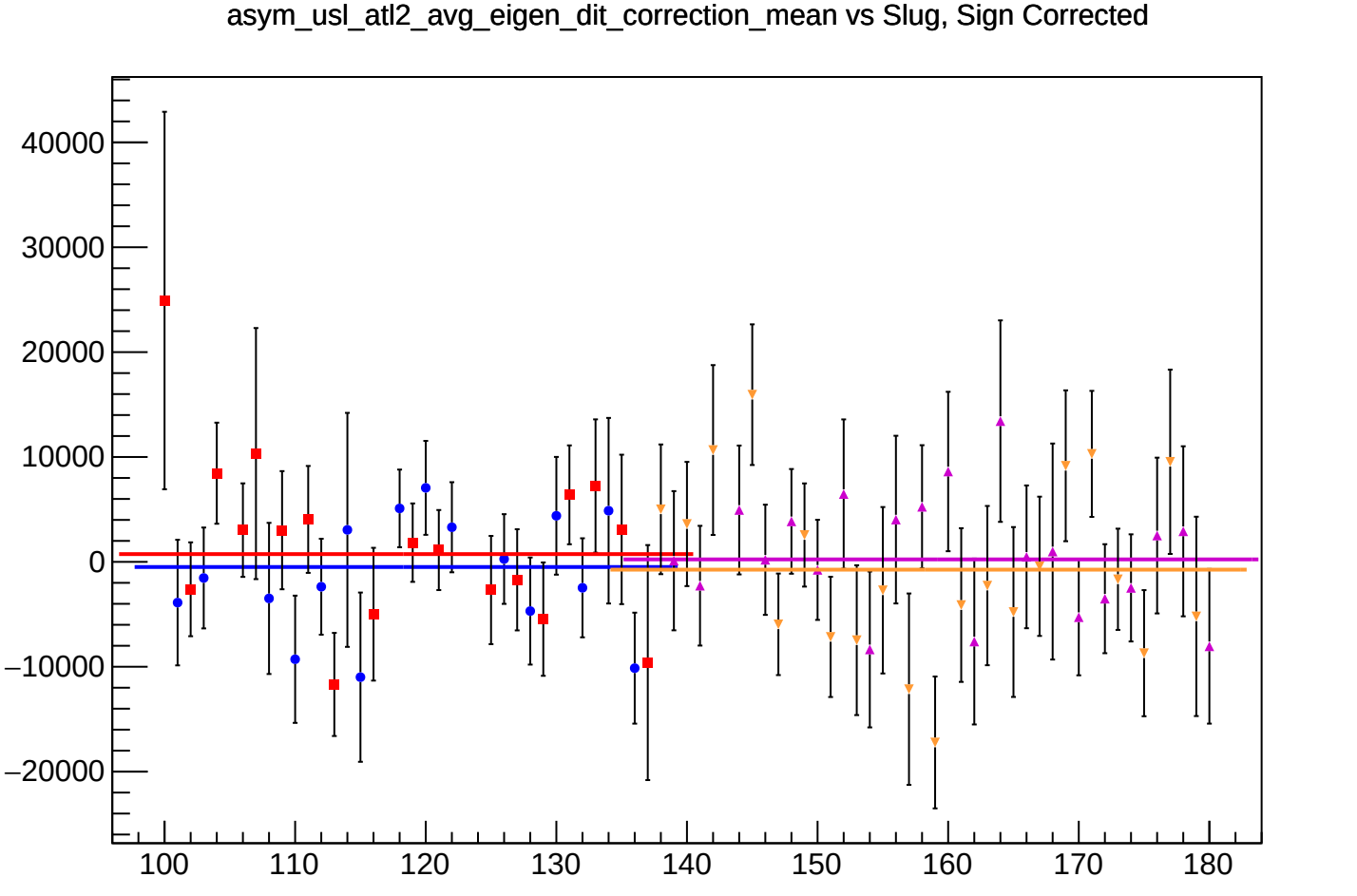
Left: 1627.244+/-0.198 χ^2/NDF: 226399.5/41

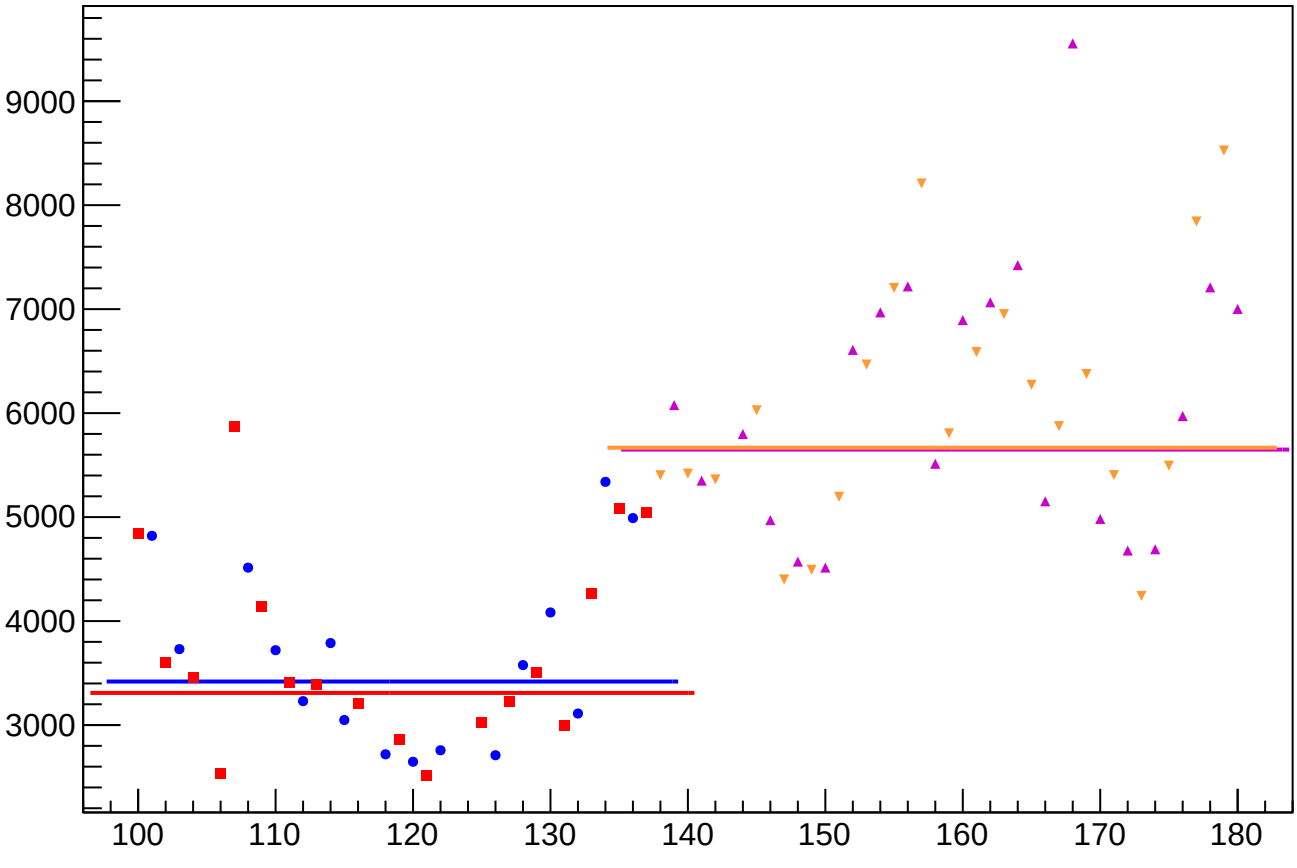
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1548.845+/-0.222 χ^2/NDF:432029.9/36

Out: 1549.938+/-0.225 χ^2/NDF:412145.4/38

All: 1549.385+/-0.158 χ^2/NDF: 844187.3/75


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
180
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -743.124+/-1421.506 χ²/NDF:31.0/20
Right Out: 740.594+/-1247.944 χ²/NDF: 19.2/17
Left In: 235.215+/-1390.245 χ²/NDF:11.8/20
Left: -243.079+/-993.920 χ²/NDF: 43.0/41
Right: 154.807+/-903.141 χ²/NDF: 35.5/33
In: -148.967+/-952.911 χ²/NDF:27.7/36
Out: 94.797+/-937.823 χ²/NDF:50.8/38
All: -25.140+/-668.411 χ²/NDF: 78.5/75



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5667.472+/-1.005 χ^2/NDF:1140995.0/20

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5649.266+/-0.983 χ^2/NDF:1230713.0/20

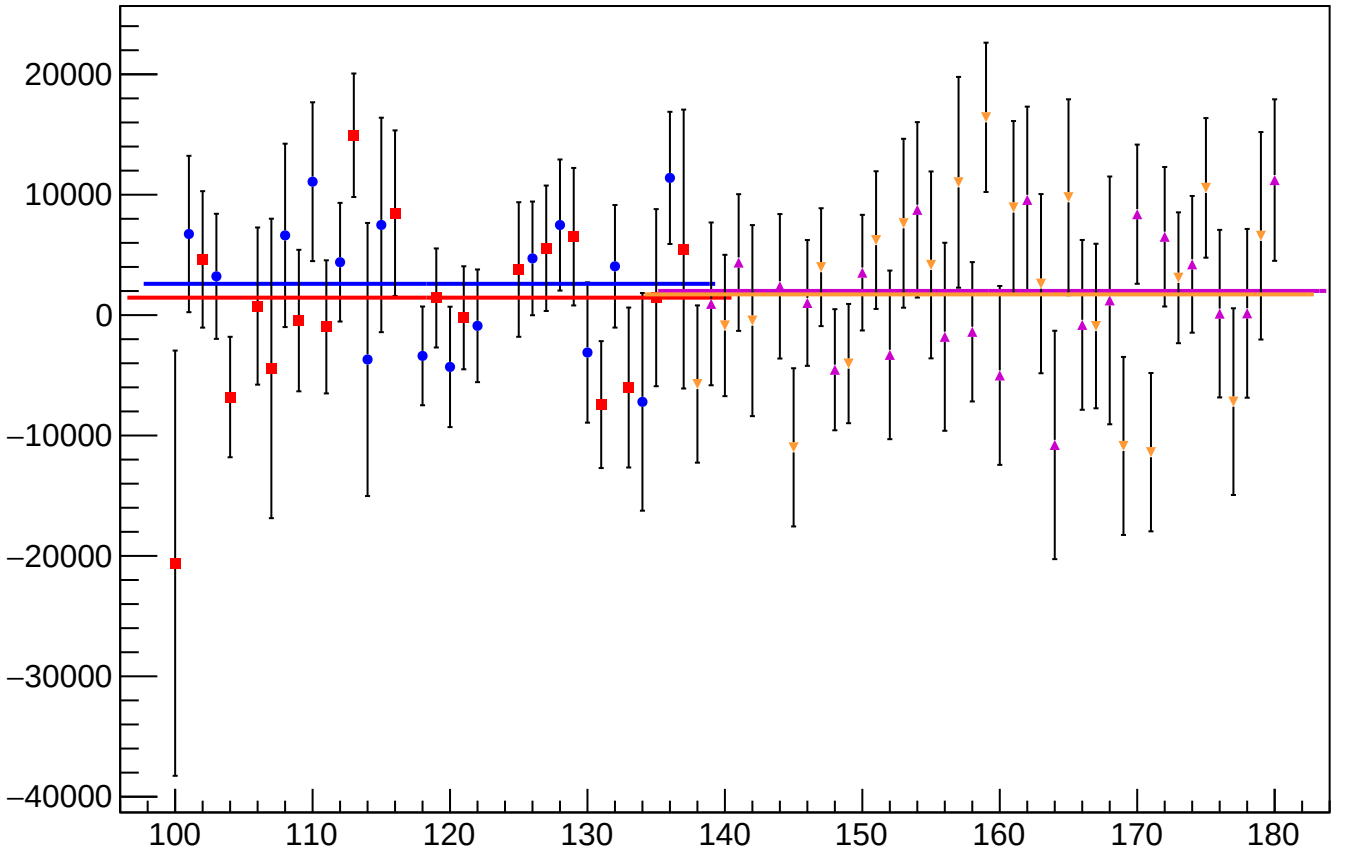
Left: 5658.167+/-0.703 χ^2/NDF: 2371875.7/41

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4466.635+/-0.674 χ^2/NDF:4681629.5/36

Out: 4335.597+/-0.663 χ^2/NDF:4821851.3/38

All: 4400.070+/-0.473 χ^2/NDF: 9522692.5/75



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1721.365+/-1428.993 χ^2/NDF:28.1/20

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2007.724+/-1393.258 χ^2/NDF:11.9/20

Left: 1868.170+/-997.576 χ^2/NDF: 40.0/41

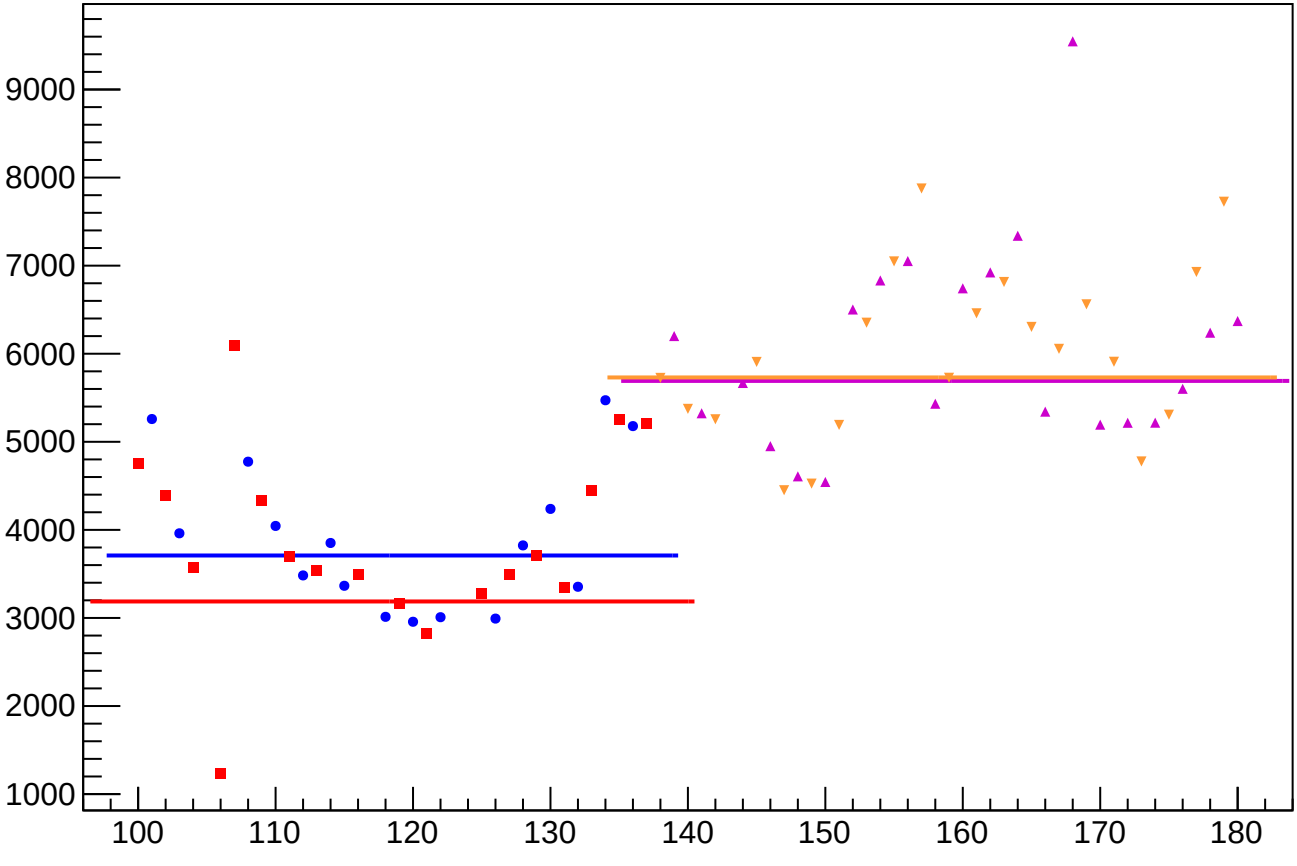
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2299.196+/-992.607 χ^2/NDF:25.4/36

Out: 1581.443+/-993.723 χ^2/NDF:47.2/38

All: 1940.723+/-702.273 χ^2/NDF: 72.9/75

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5730.639+/-1.010 χ^2/NDF:813932.2/20

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5691.360+/-0.985 χ^2/NDF:919562.5/20

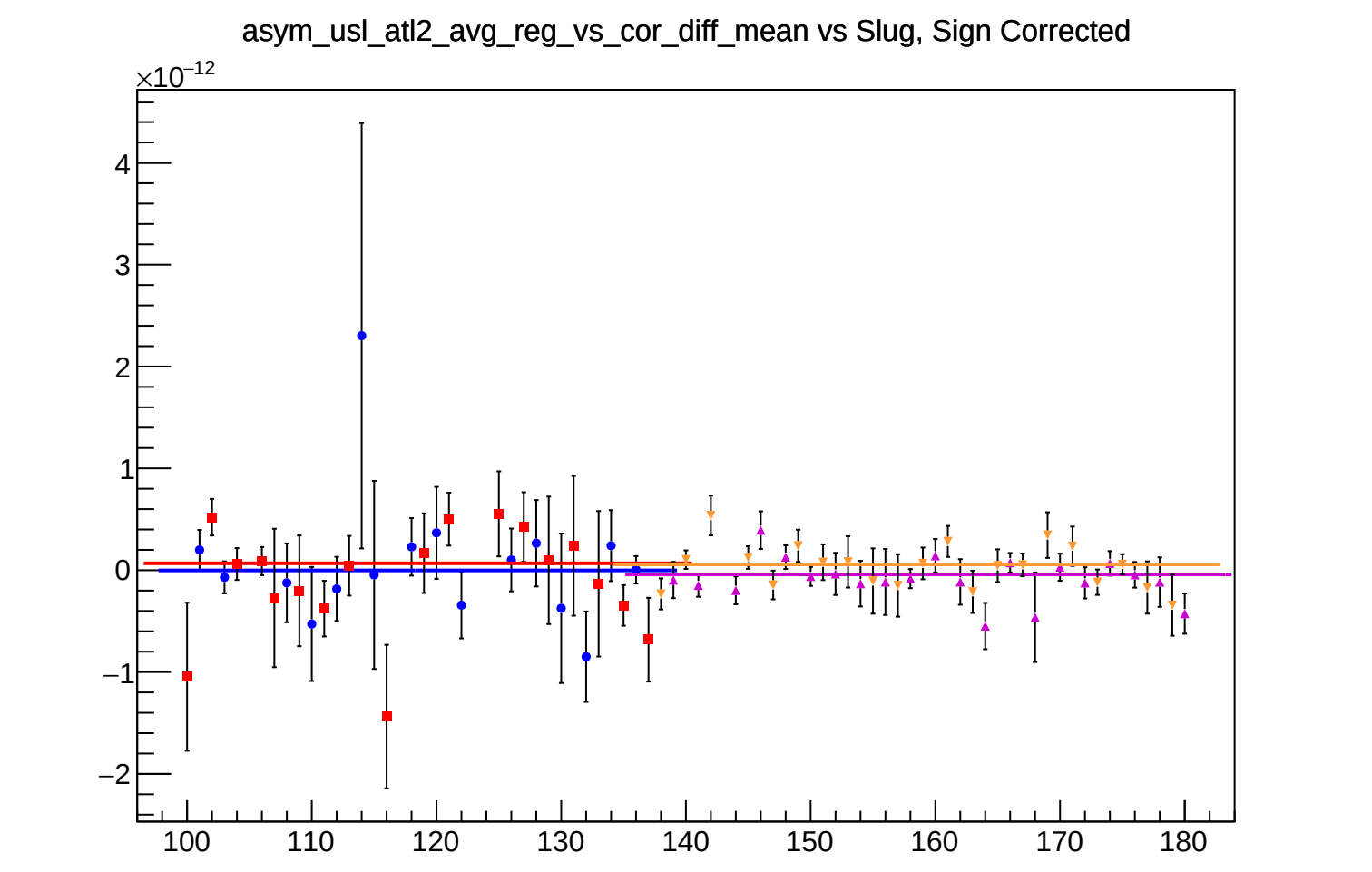
Left: 5710.502+/-0.705 χ^2/NDF: 1734269.4/41

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4715.250+/-0.702 χ^2/NDF:3523693.3/36

Out: 4306.165+/-0.670 χ^2/NDF:5973269.3/38

All: 4501.272+/-0.485 χ^2/NDF: 9674651.1/75



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/20

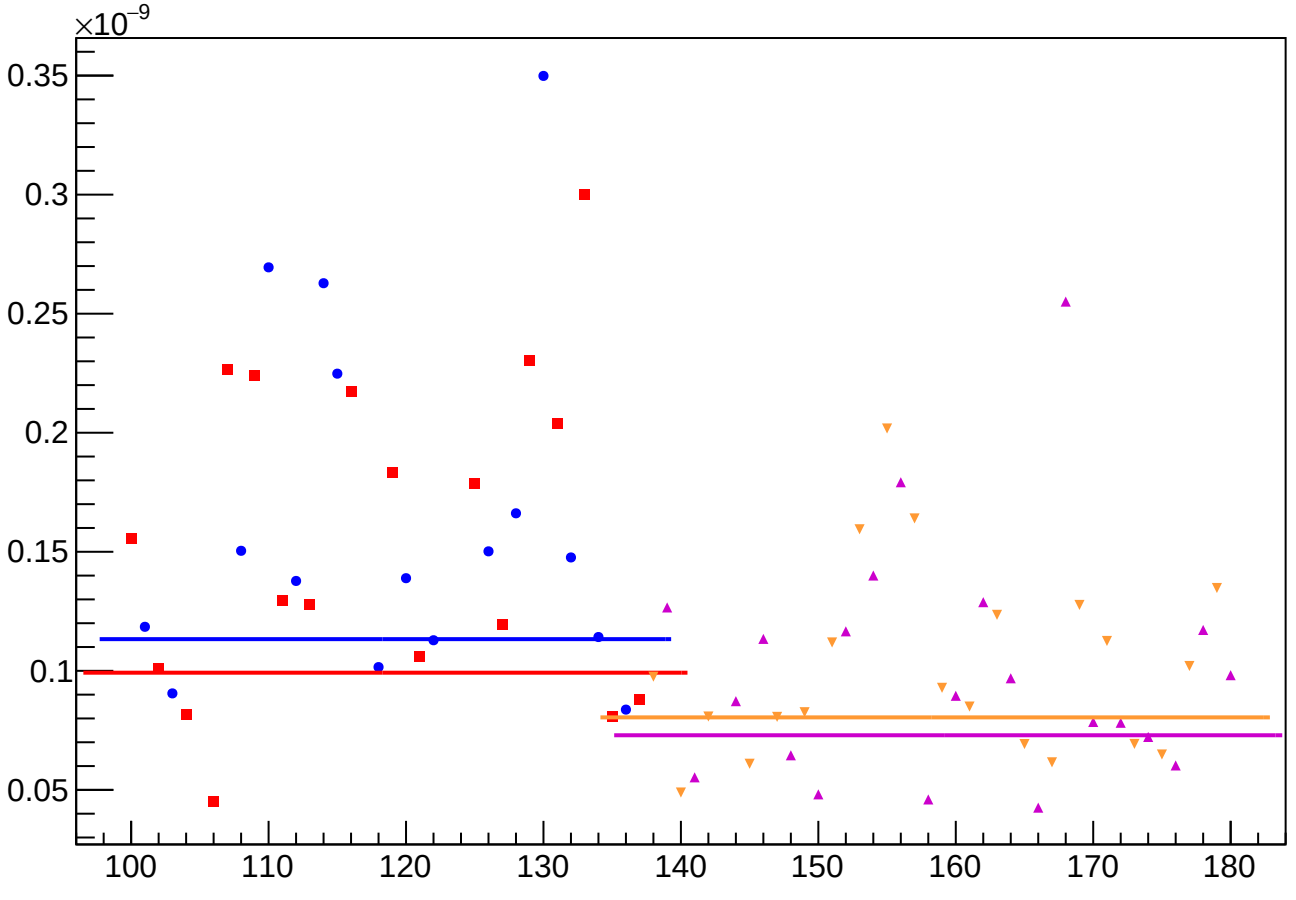
Left: 0.000+/-0.000 χ^2/NDF: 54.4/41

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:35.8/36

Out: 0.000+/-0.000 χ^2/NDF:54.8/38

All: 0.000+/-0.000 χ^2/NDF: 95.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1479196.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1987672.5/20

Left: 0.000+/-0.000 χ^2/NDF: 3520442.8/41

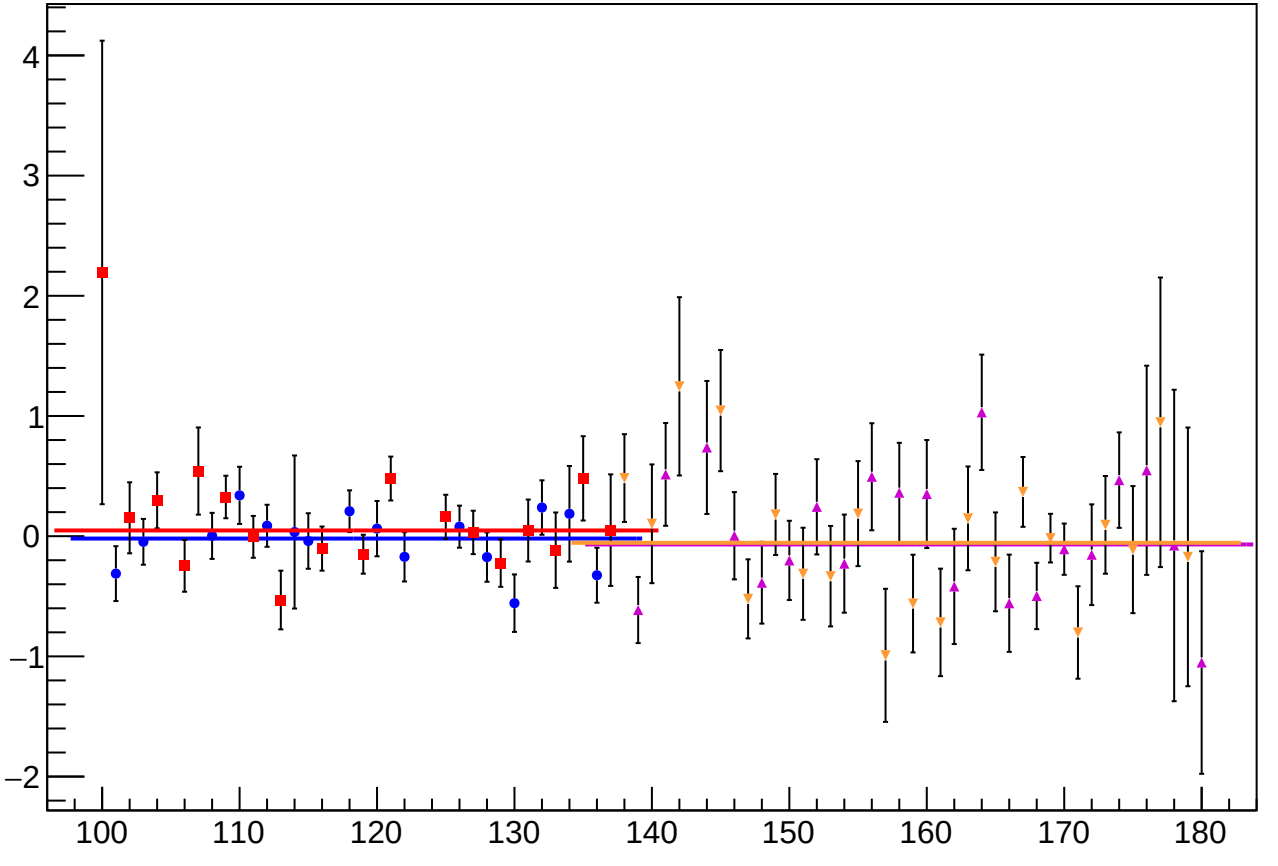
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3191499.2/36

Out: 0.000+/-0.000 χ^2/NDF:2709717.2/38

All: 0.000+/-0.000 χ^2/NDF: 5926758.2/75

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: -0.055+/-0.087 χ^2/NDF:27.6/20

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.069+/-0.084 χ^2/NDF:26.5/20

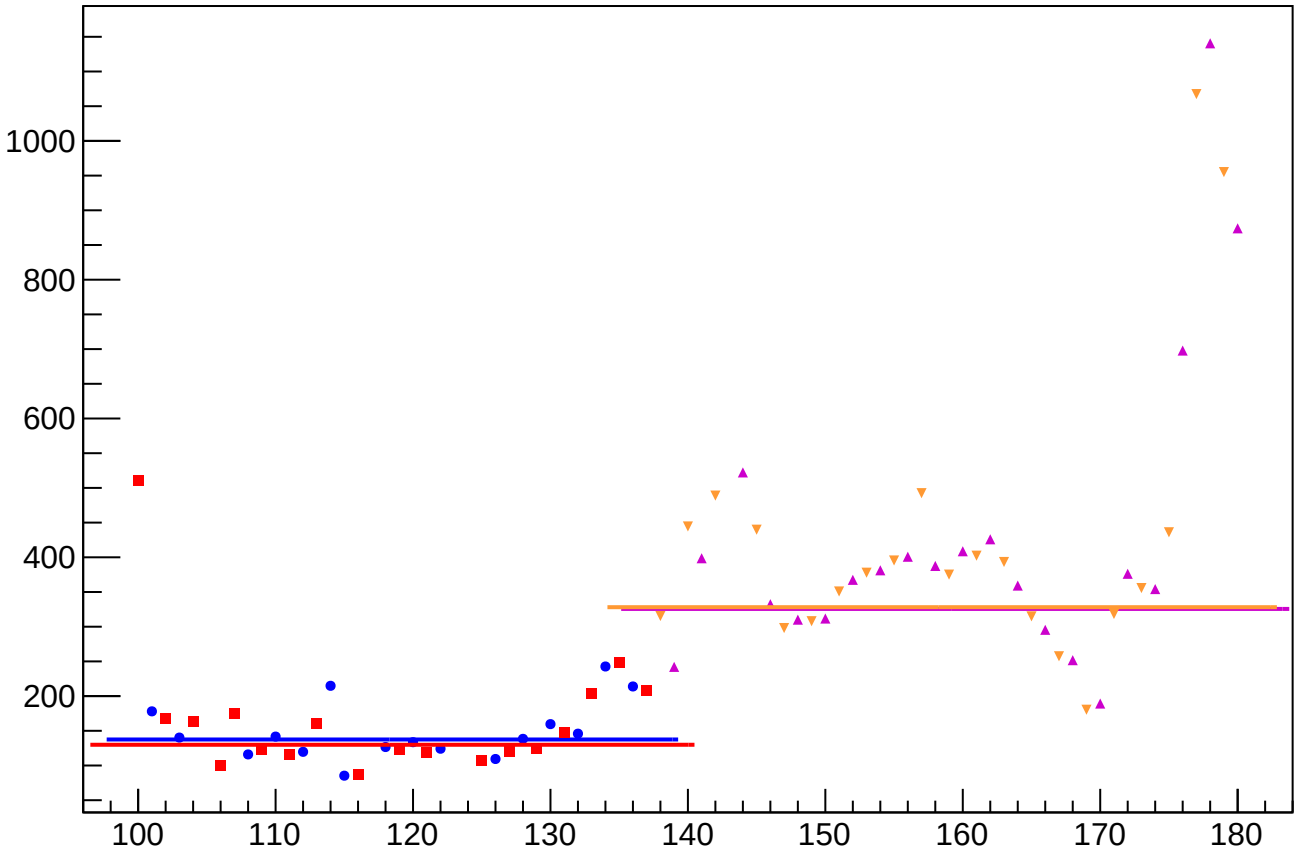
Left: -0.062+/-0.060 χ^2/NDF: 54.1/41

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.046 χ^2/NDF:42.7/36

Out: 0.020+/-0.045 χ^2/NDF:54.9/38

All: -0.007+/-0.032 χ^2/NDF: 98.3/75



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 328.110+/-0.061 χ^2/NDF:3429207.3/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

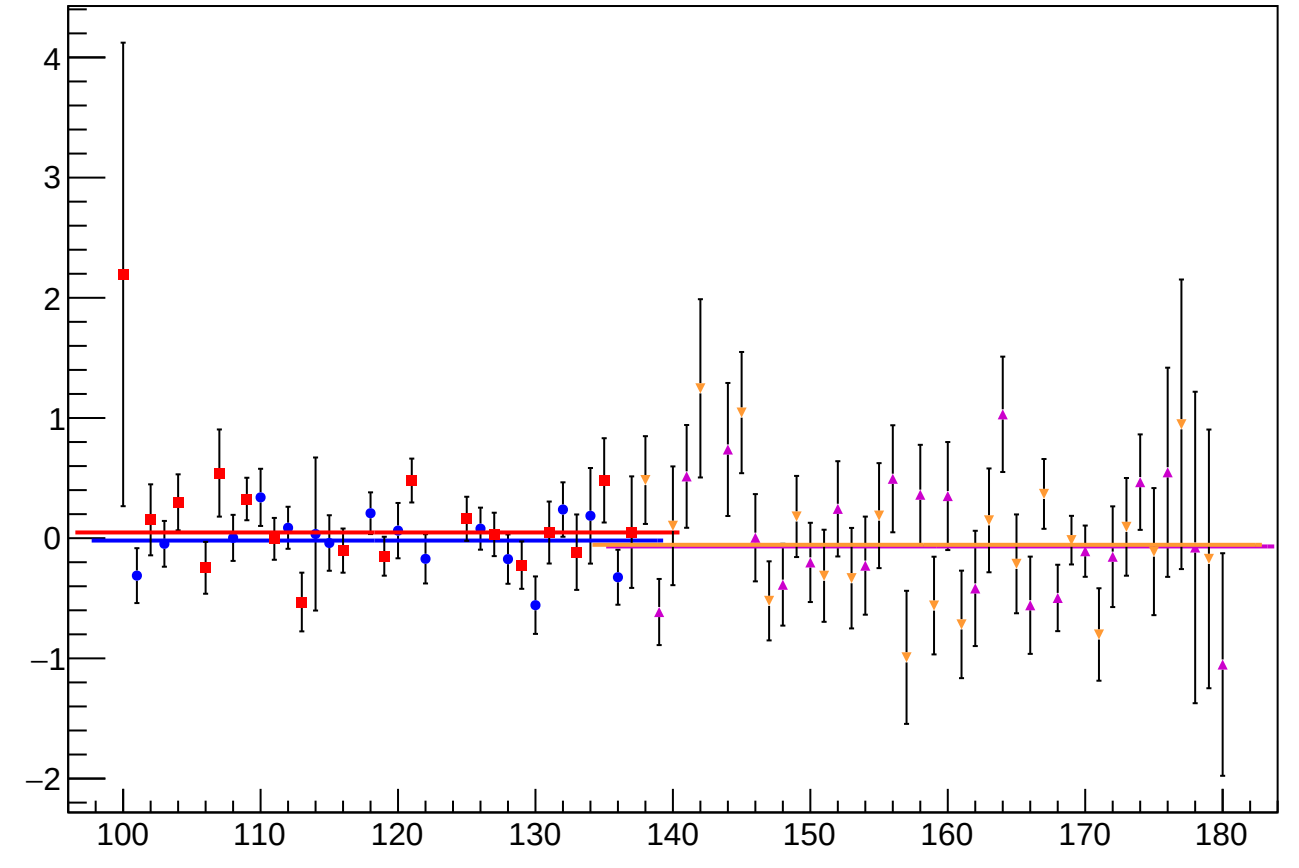
Left: 326.832+/-0.043 χ^2/NDF: 7130662.4/41

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 192.478+/-0.032 χ^2/NDF:11434726.4/36

Out: 183.044+/-0.032 χ^2/NDF:11910710.4/38

All: 187.689+/-0.023 χ^2/NDF: 23388890.9/75



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.069+/-0.084 χ^2/NDF:26.5/20

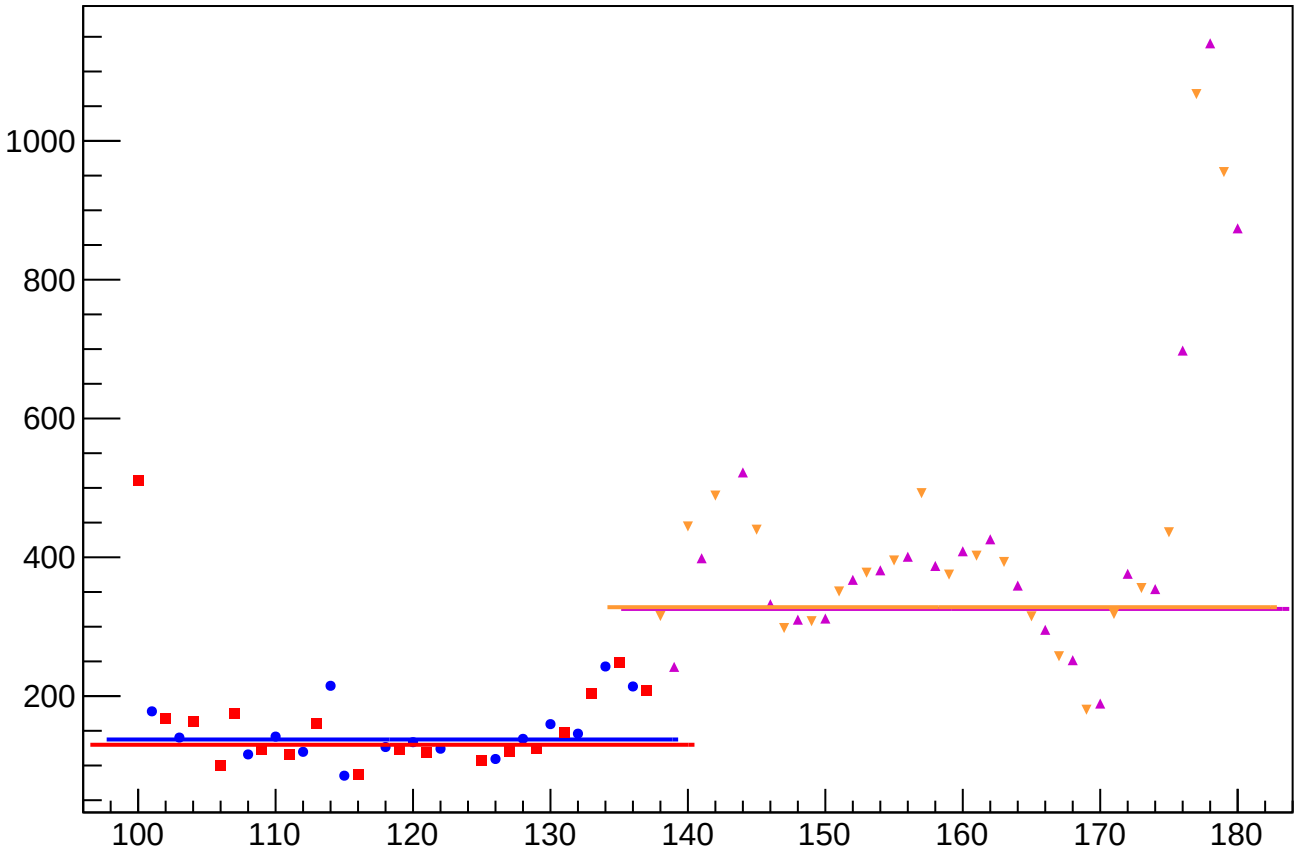
Left: -0.062+/-0.060 χ^2/NDF: 54.1/41

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.046 χ^2/NDF:42.7/36

Out: 0.020+/-0.045 χ^2/NDF:54.9/38

All: -0.007+/-0.032 χ^2/NDF: 98.3/75



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 328.110+/-0.061 χ^2/NDF:3429207.3/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.622+/-0.060 χ^2/NDF:3700608.9/20

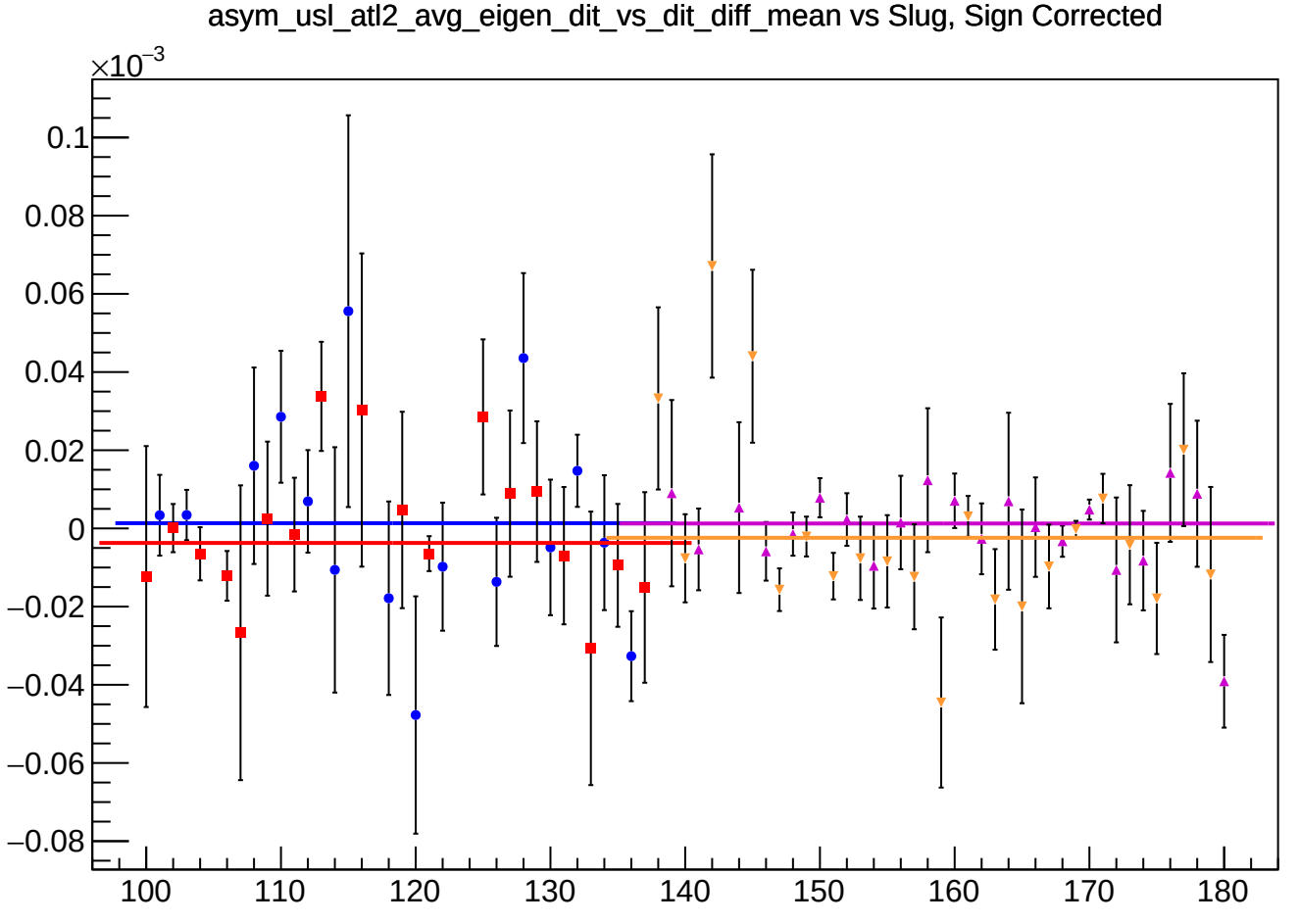
Left: 326.832+/-0.043 χ^2/NDF: 7130662.4/41

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 192.478+/-0.032 χ^2/NDF:11434726.4/36

Out: 183.044+/-0.032 χ^2/NDF:11910710.4/38

All: 187.689+/-0.023 χ^2/NDF: 23388890.9/75



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/20

Left: -0.000+/-0.000 χ^2/NDF: 61.5/41

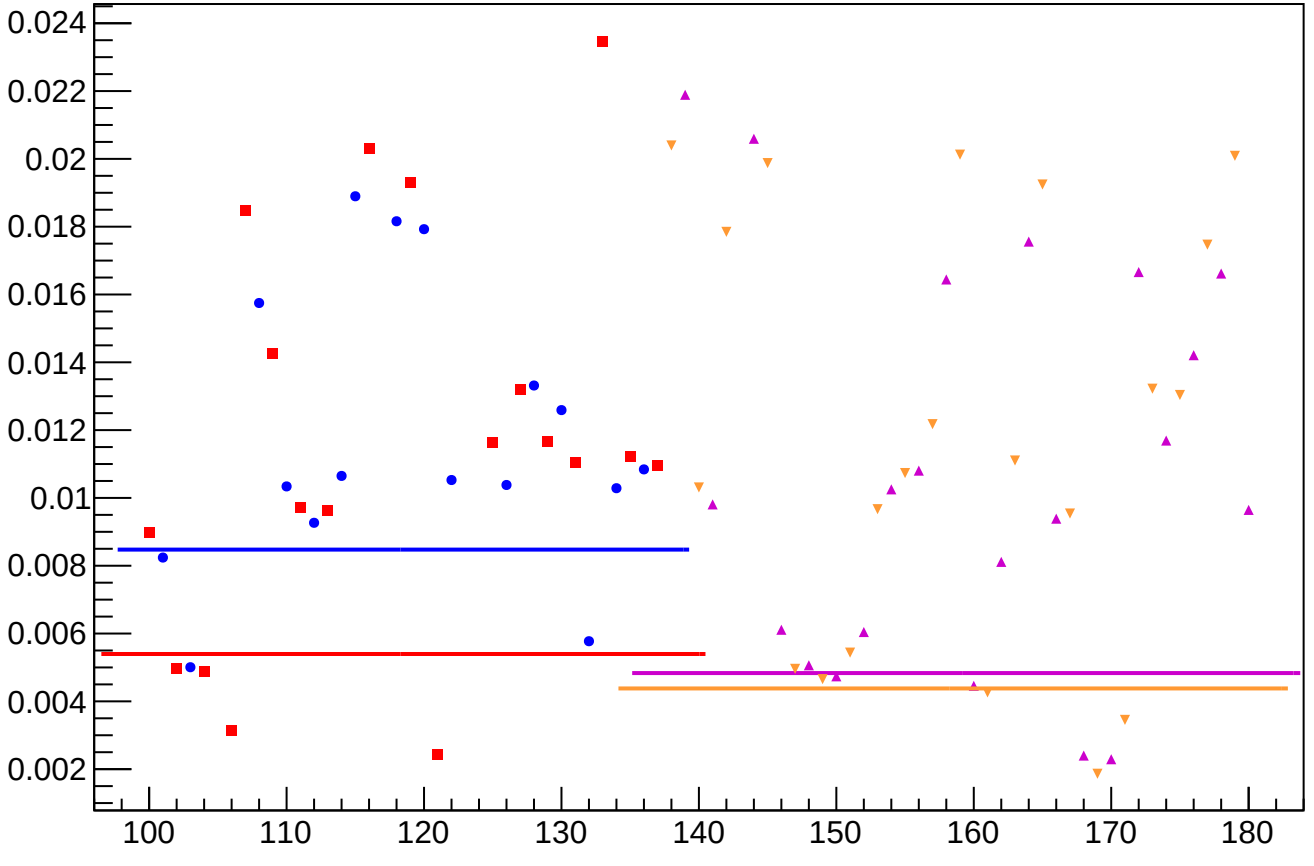
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:46.1/36

Out: -0.000+/-0.000 χ^2/NDF:52.3/38

All: -0.000+/-0.000 χ^2/NDF: 102.9/75

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:13803515.0/20

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11402509.3/20

Left: 0.005+/-0.000 χ^2/NDF: 25296860.4/41

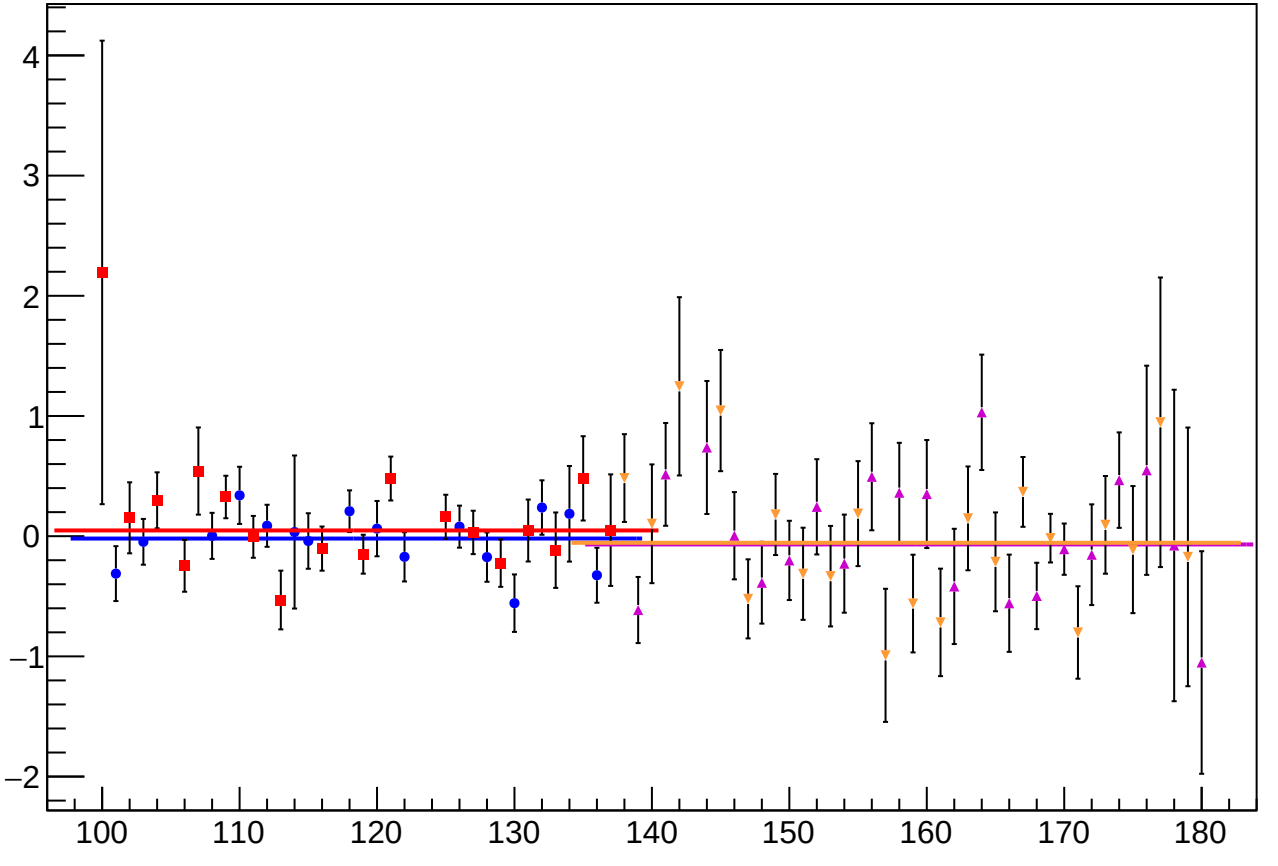
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:15189182.7/36

Out: 0.005+/-0.000 χ^2/NDF:18953882.7/38

All: 0.005+/-0.000 χ^2/NDF: 34498689.0/75

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: -0.055+/-0.087 χ^2/NDF:27.6/20

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.069+/-0.084 χ^2/NDF:26.5/20

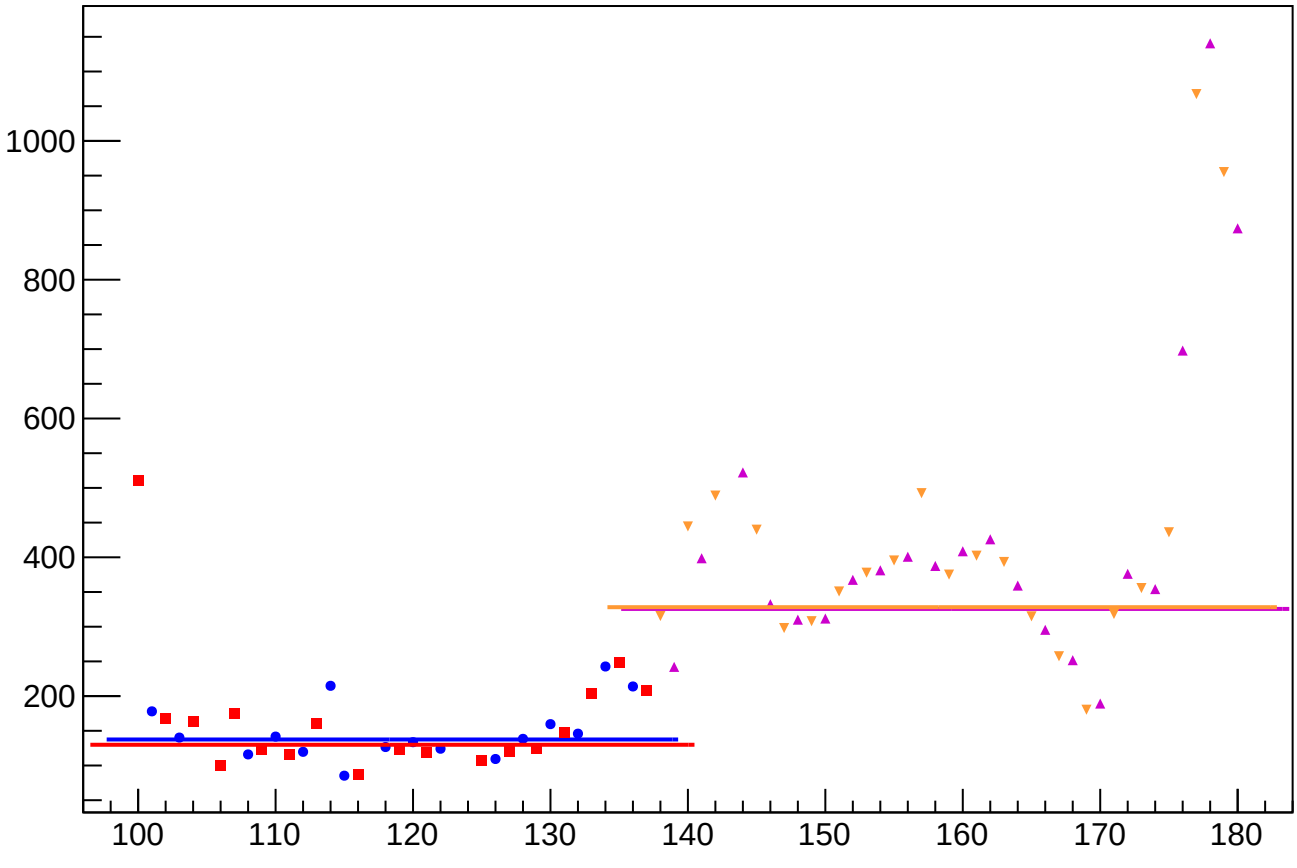
Left: -0.062+/-0.060 χ^2/NDF: 54.1/41

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.046 χ^2/NDF:42.7/36

Out: 0.020+/-0.045 χ^2/NDF:54.9/38

All: -0.007+/-0.032 χ^2/NDF: 98.3/75



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 328.112+/-0.061 χ^2/NDF:3429276.1/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

Left: 326.834+/-0.043 χ^2/NDF: 7130735.0/41

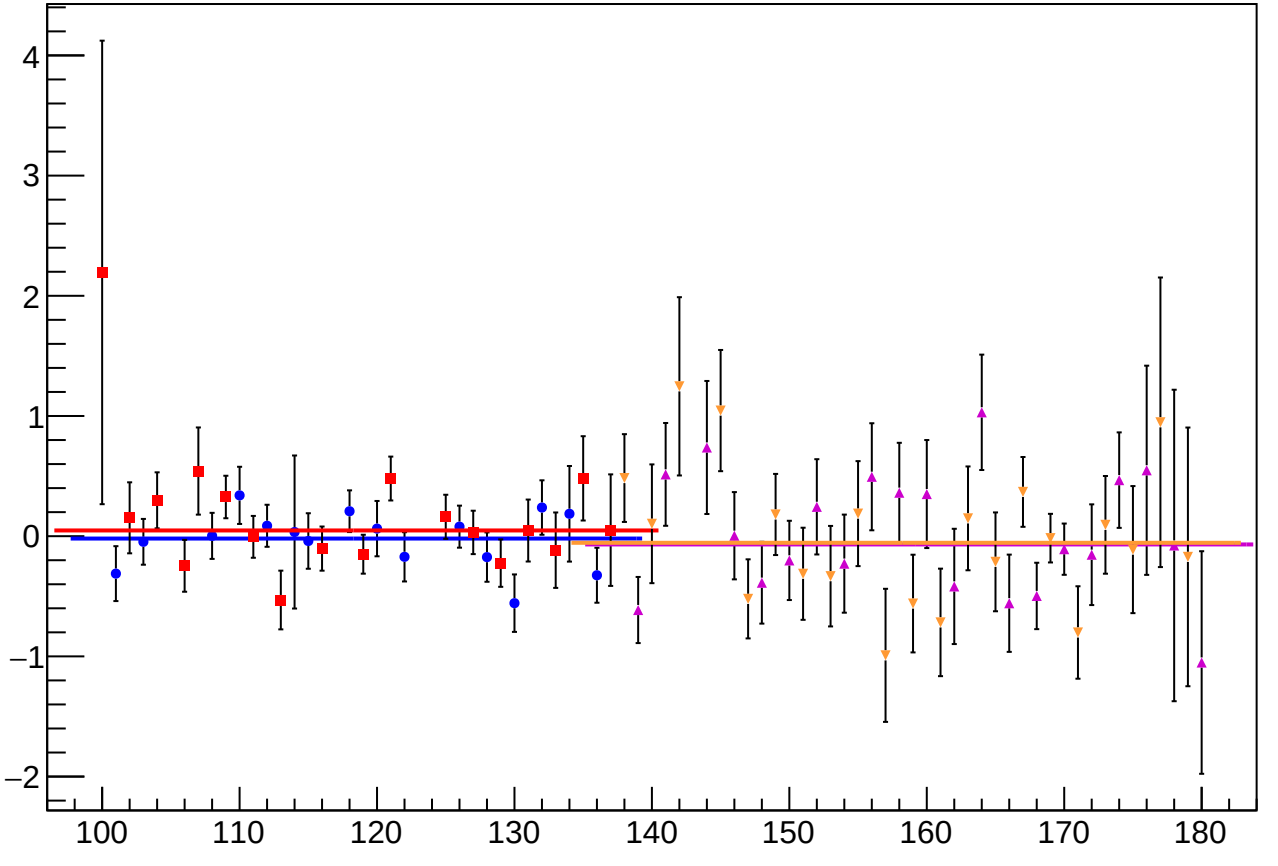
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 192.478+/-0.032 χ^2/NDF:11434846.4/36

Out: 183.044+/-0.032 χ^2/NDF:11910807.8/38

All: 187.689+/-0.023 χ^2/NDF: 23389109.0/75

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: -0.055+/-0.087 χ^2/NDF:27.6/20

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.069+/-0.084 χ^2/NDF:26.5/20

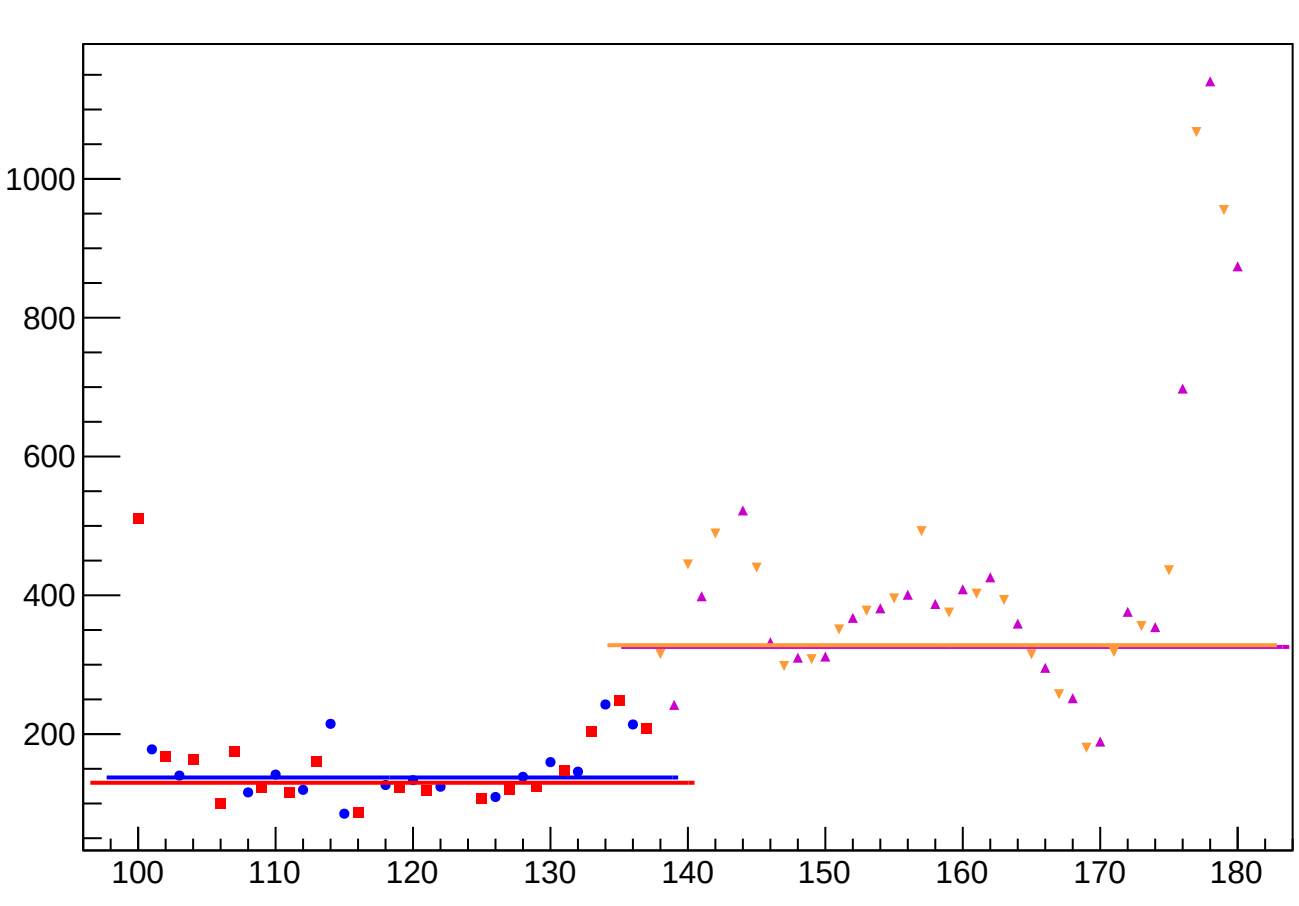
Left: -0.062+/-0.060 χ^2/NDF: 54.1/41

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.046 χ^2/NDF:42.7/36

Out: 0.020+/-0.045 χ^2/NDF:54.9/38

All: -0.007+/-0.032 χ^2/NDF: 98.3/75



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 328.112+/-0.061 χ^2/NDF:3429276.1/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.625+/-0.060 χ^2/NDF:3700613.4/20

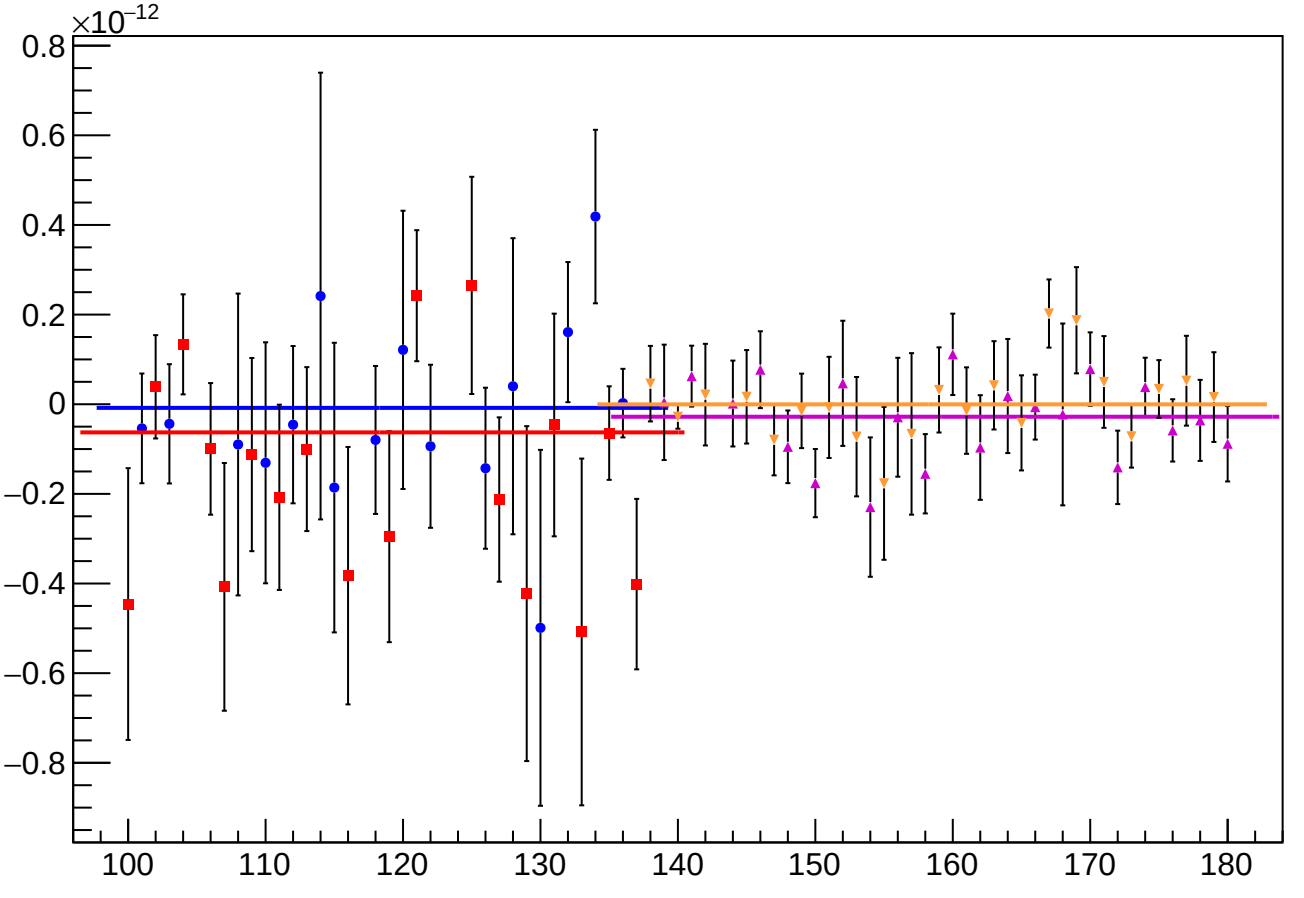
Left: 326.834+/-0.043 χ^2/NDF: 7130735.0/41

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 192.478+/-0.032 χ^2/NDF:11434846.4/36

Out: 183.044+/-0.032 χ^2/NDF:11910807.8/38

All: 187.689+/-0.023 χ^2/NDF: 23389109.0/75



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:20.2/20

Left: -0.000+/-0.000 χ^2/NDF: 37.2/41

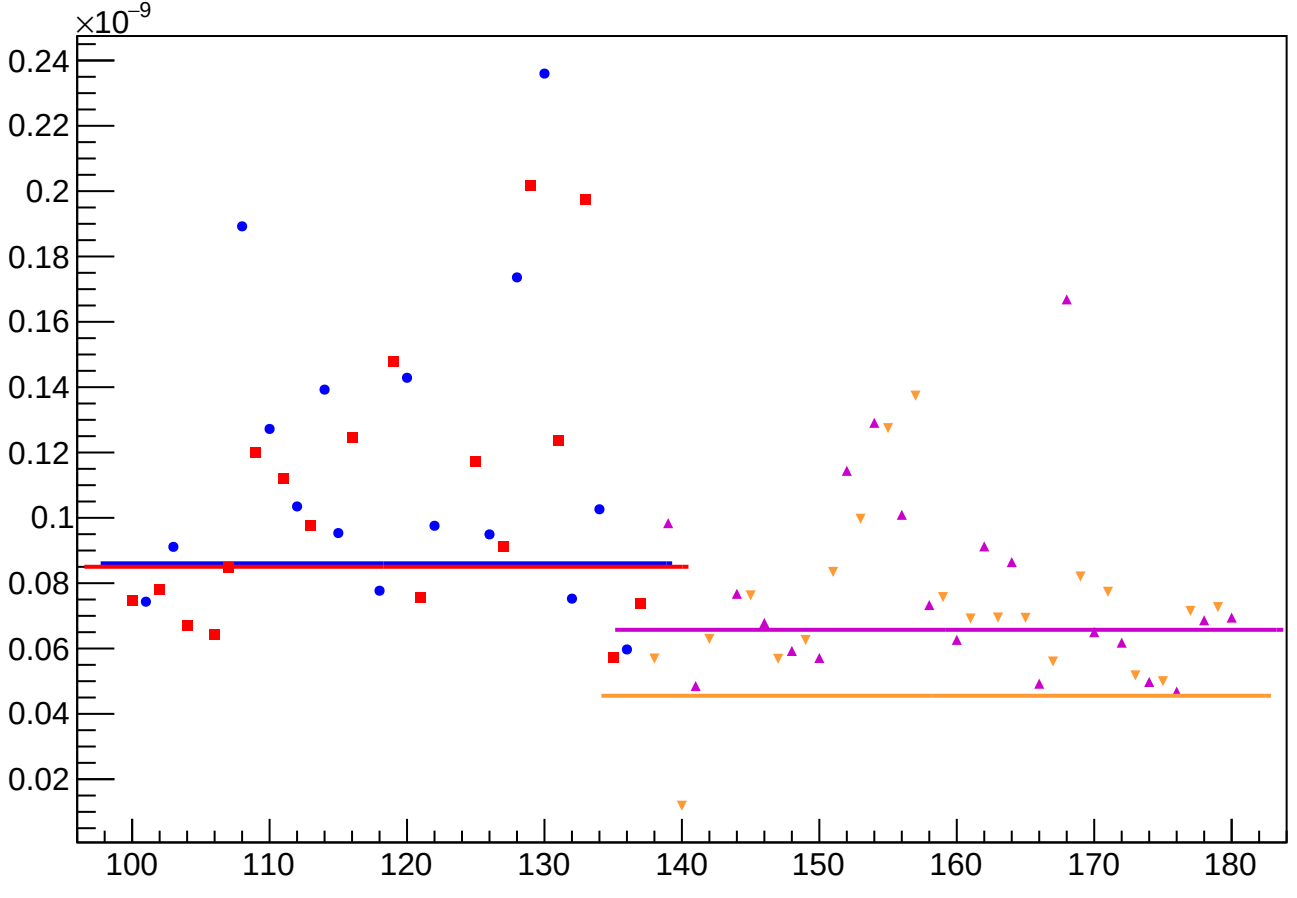
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:30.2/36

Out: -0.000+/-0.000 χ^2/NDF:40.0/38

All: -0.000+/-0.000 χ^2/NDF: 70.6/75

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6373162.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2083485.2/20

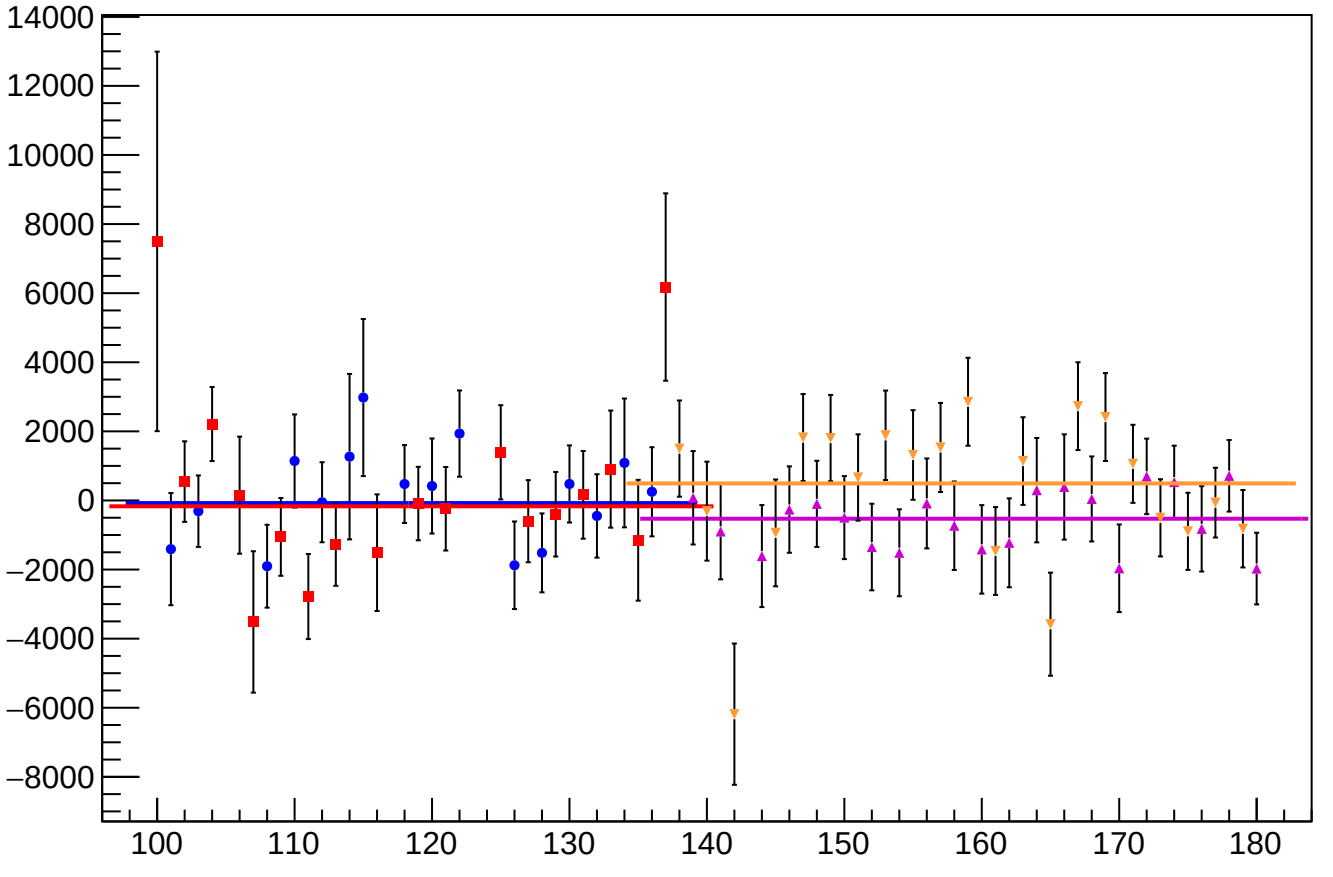
Left: 0.000+/-0.000 χ^2/NDF: 9688273.6/41

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3533858.9/36

Out: 0.000+/-0.000 χ^2/NDF:8901035.7/38

All: 0.000+/-0.000 χ^2/NDF: 13646623.8/75



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 493.199+/-276.570 χ^2/NDF:40.0/20

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -528.616+/-271.274 χ^2/NDF:10.8/20

Left: -27.586+/-193.665 χ^2/NDF: 57.7/41

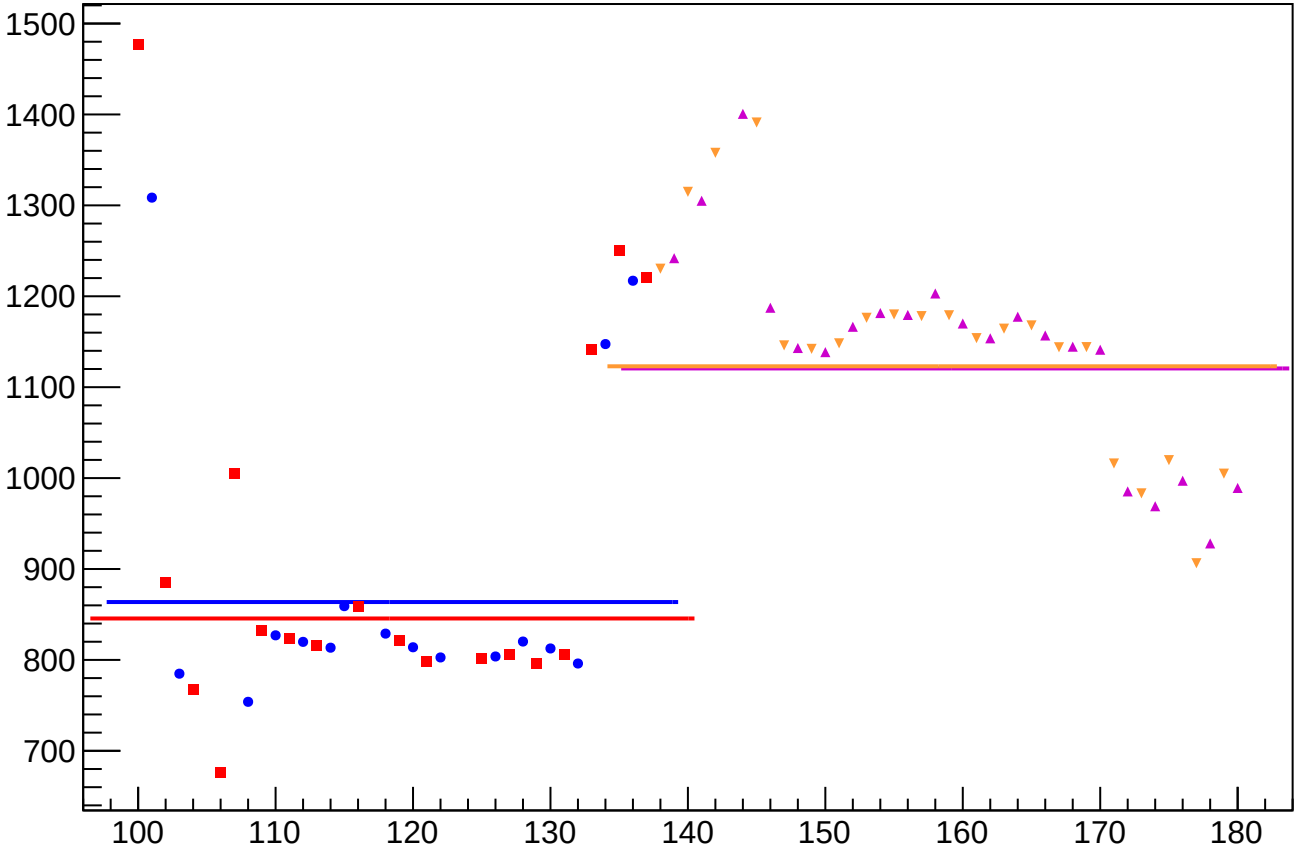
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -343.563+/-208.581 χ^2/NDF:25.3/36

Out: 211.750+/-209.756 χ^2/NDF:66.8/38

All: -67.467+/-147.903 χ^2/NDF: 95.6/75

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.5/20

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

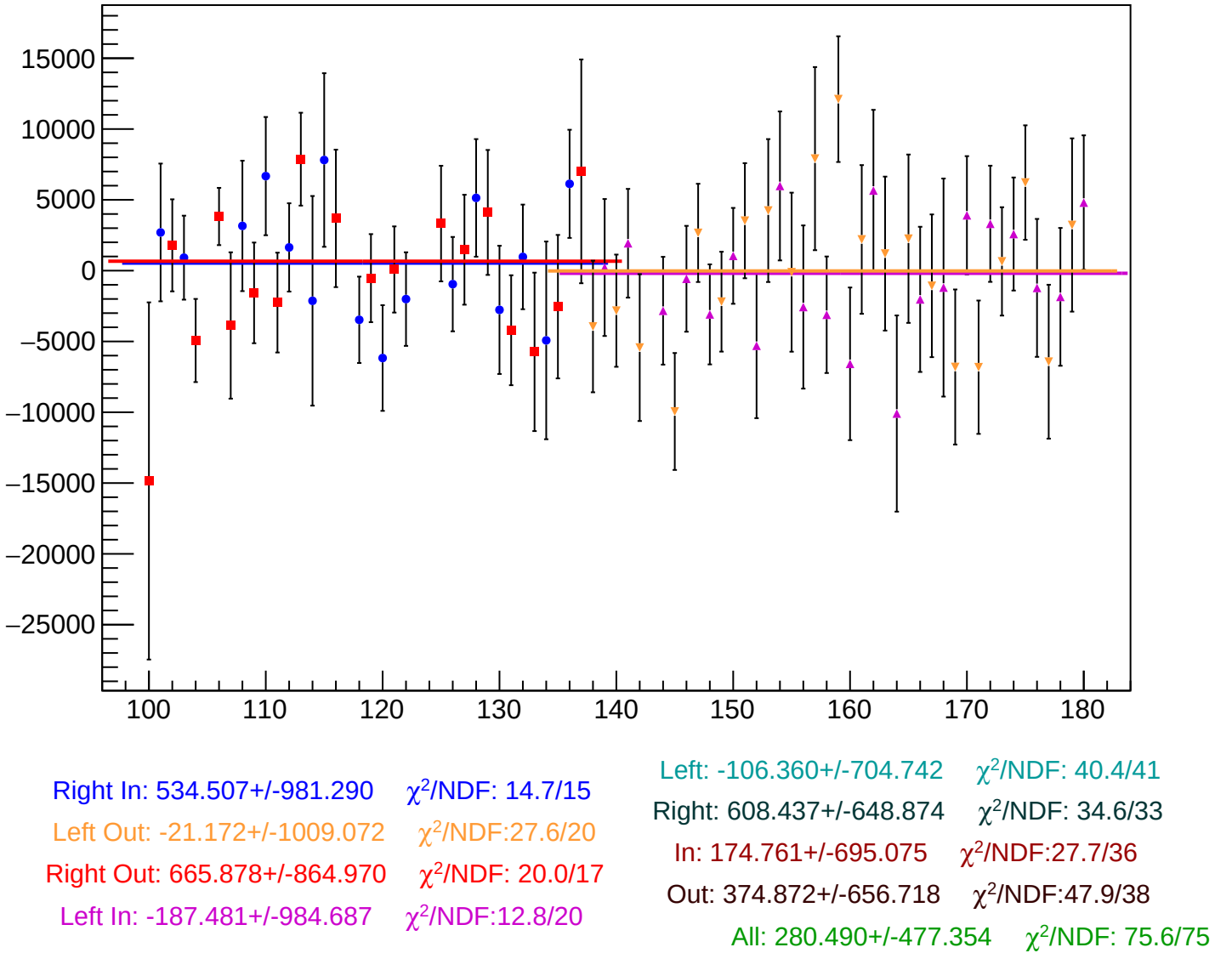
Left: 1121.773+/-0.137 χ^2/NDF: 690804.3/41

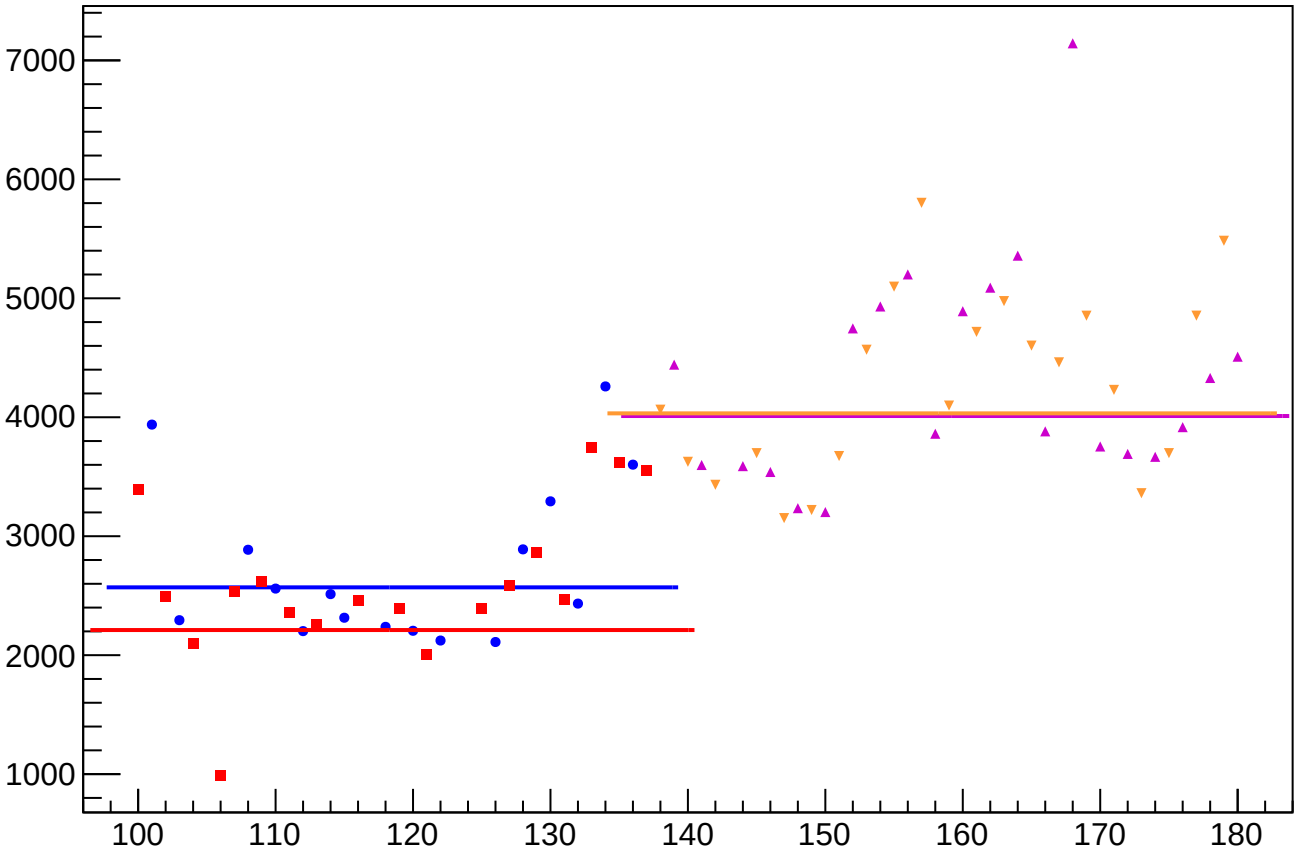
Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1015.572+/-0.147 χ^2/NDF:1493850.4/36

Out: 1003.450+/-0.148 χ^2/NDF:1512656.5/38

All: 1009.513+/-0.104 χ^2/NDF: 3009883.2/75


asym_usl_atl2_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
180
Right In: 534.507+/-981.290 χ²/NDF: 14.7/15
Left Out: -21.172+/-1009.072 χ²/NDF:27.6/20
Right Out: 665.878+/-864.970 χ²/NDF: 20.0/17
Left In: -187.481+/-984.687 χ²/NDF:12.8/20
Left: -106.360+/-704.742 χ²/NDF: 40.4/41
Right: 608.437+/-648.874 χ²/NDF: 34.6/33
In: 174.761+/-695.075 χ²/NDF:27.7/36
Out: 374.872+/-656.718 χ²/NDF:47.9/38
All: 280.490+/-477.354 χ²/NDF: 75.6/75



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4032.736+/-0.714 χ^2/NDF:965564.6/20

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 4010.413+/-0.696 χ^2/NDF:1094840.5/20

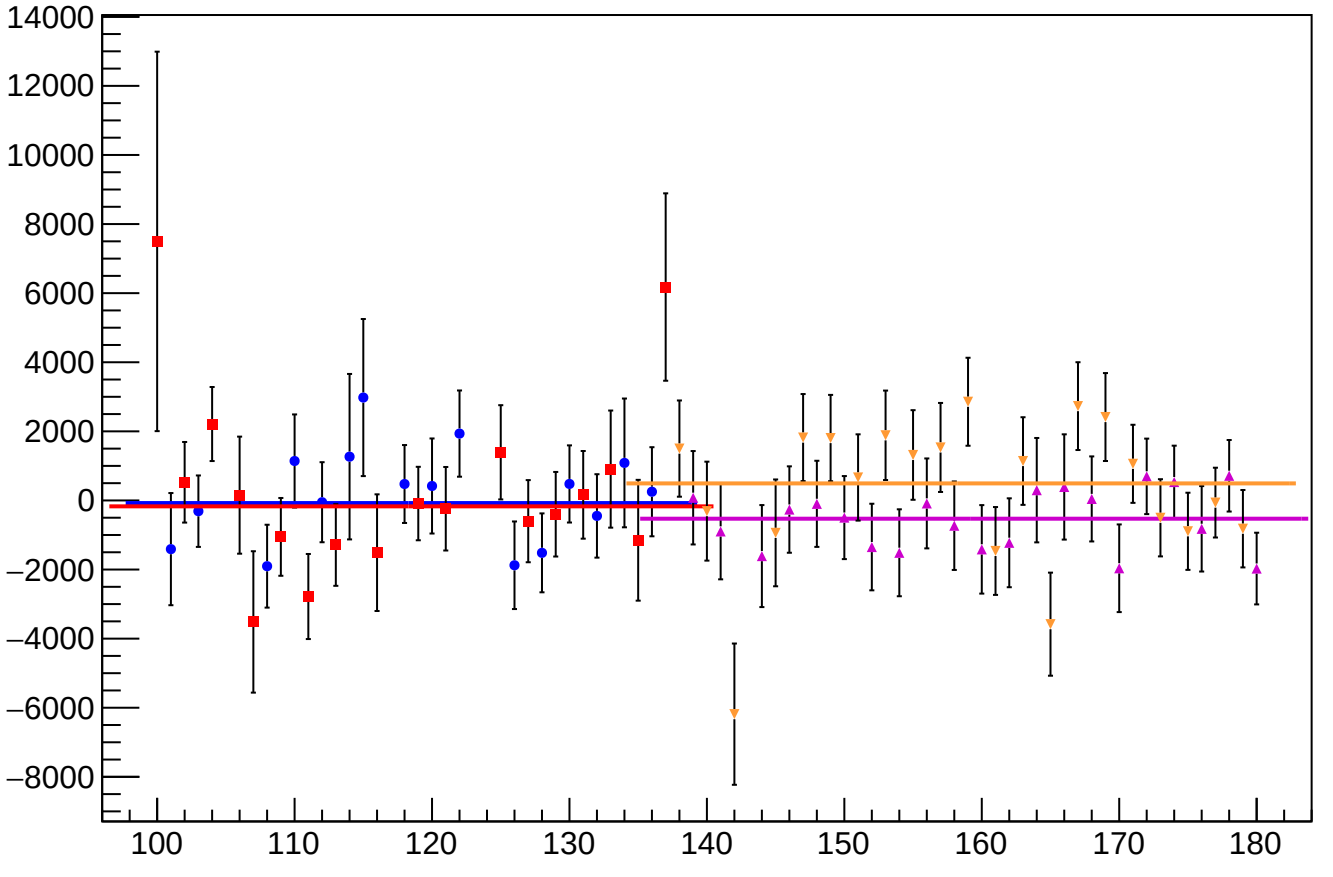
Left: 4021.302+/-0.498 χ^2/NDF: 2060906.5/41

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3287.785+/-0.491 χ^2/NDF:3904132.0/36

Out: 2982.767+/-0.464 χ^2/NDF:5986153.5/38

All: 3126.628+/-0.338 χ^2/NDF: 10093775.5/7



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -528.577+/-271.274 χ^2/NDF:10.8/20

Left: -27.541+/-193.665 χ^2/NDF: 57.7/41

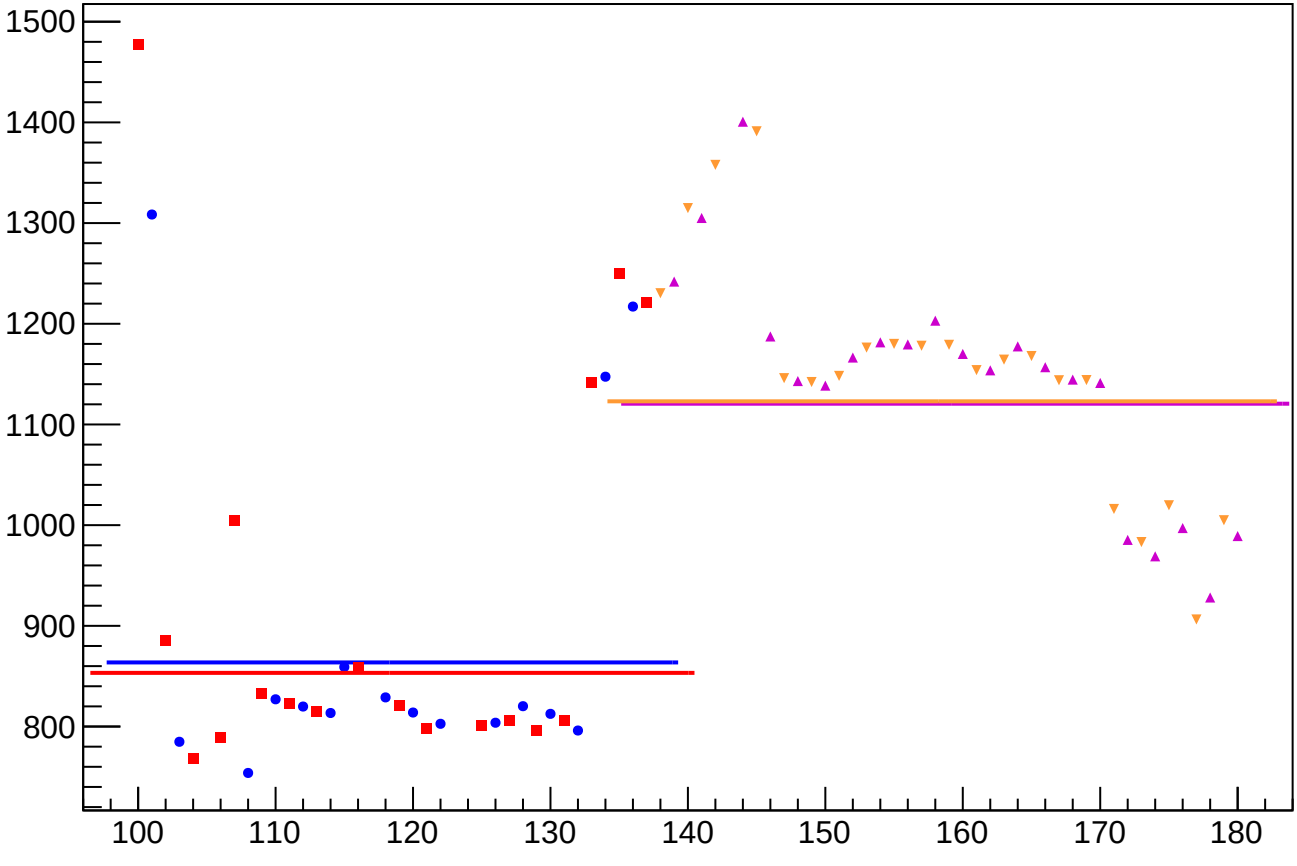
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -343.572+/-208.581 χ^2/NDF:25.3/36

Out: 211.090+/-209.758 χ^2/NDF:66.8/38

All: -67.801+/-147.903 χ^2/NDF: 95.6/75

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

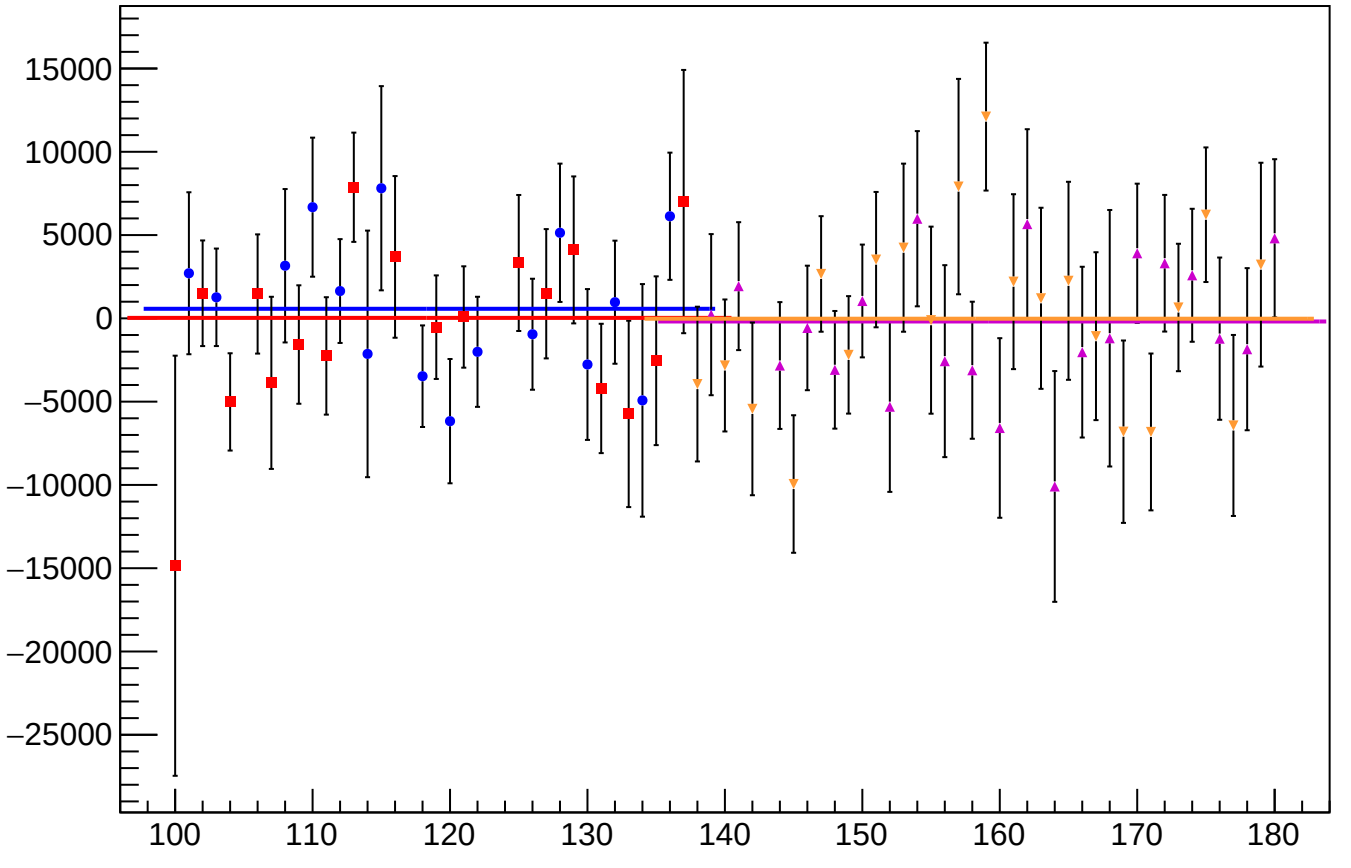
Left: 1121.773+/-0.137 χ^2/NDF: 690804.3/41

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1015.572+/-0.147 χ^2/NDF:1493850.5/36

Out: 1007.734+/-0.148 χ^2/NDF:1425936.1/38

All: 1011.666+/-0.104 χ^2/NDF: 2921193.9/75



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -187.522+/-984.686 χ^2/NDF:12.8/20

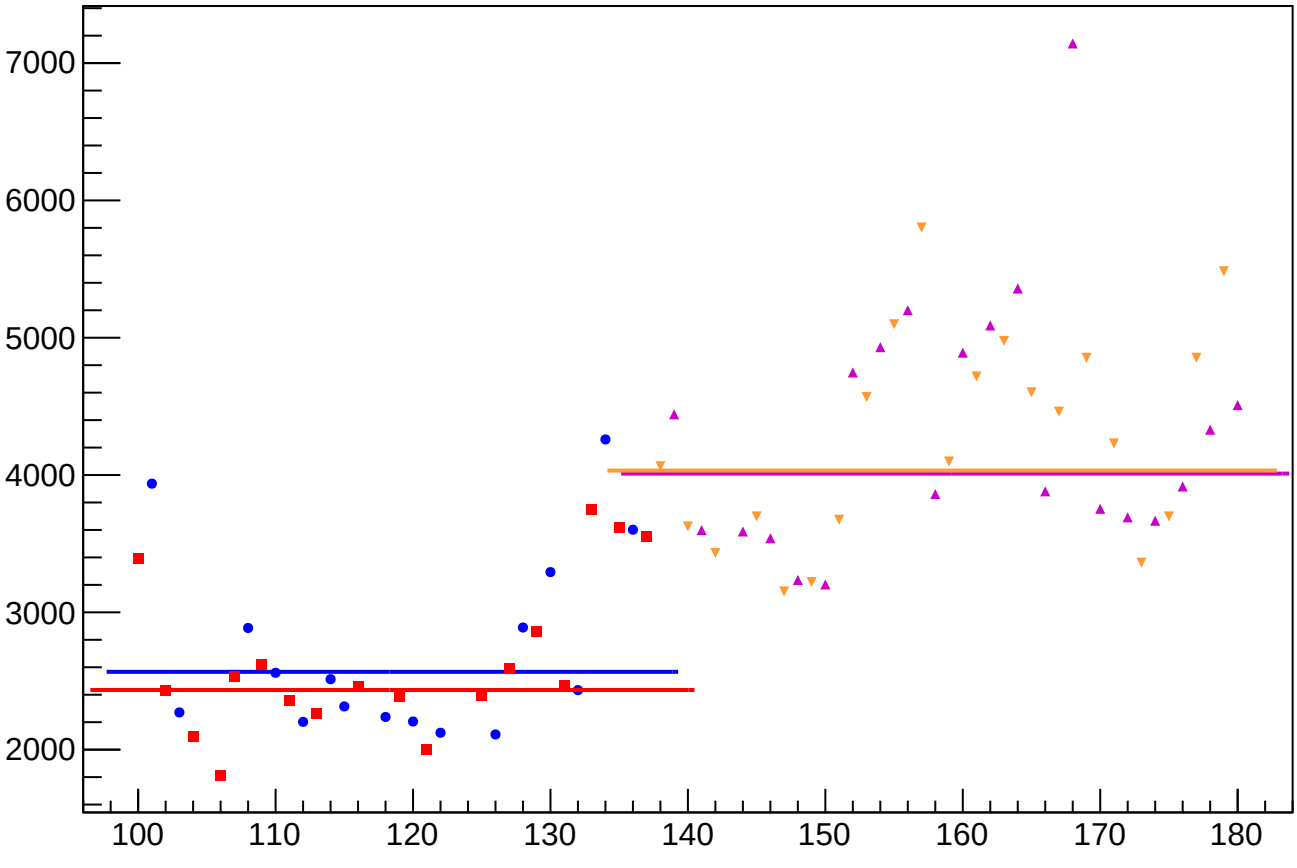
Left: -106.369+/-704.742 χ^2/NDF: 40.4/41

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 195.596+/-694.564 χ^2/NDF:27.8/36

Out: 5.964+/-680.704 χ^2/NDF:44.8/38

All: 98.869+/-486.157 χ^2/NDF: 72.6/75



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

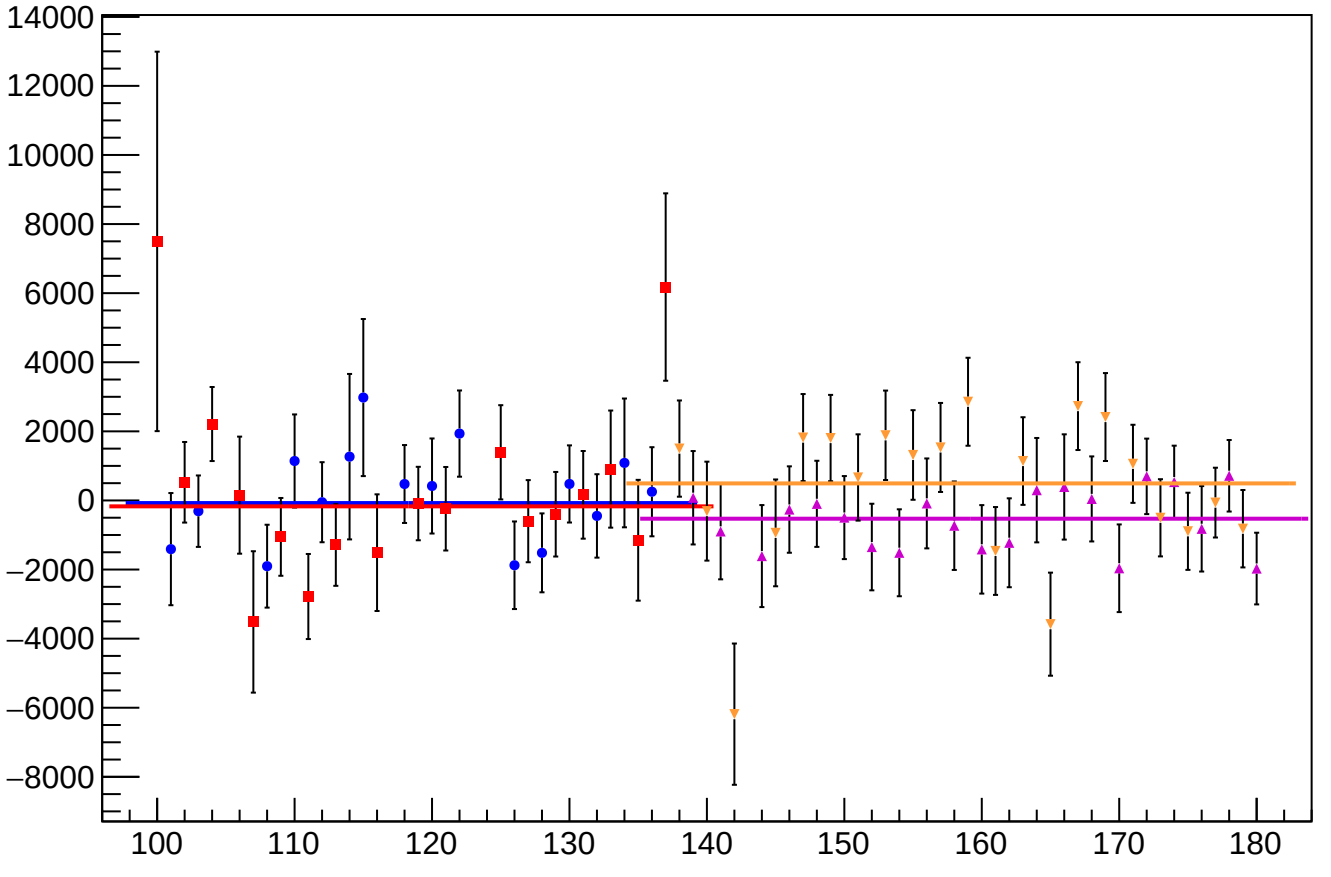
Left: 4021.300+/-0.498 χ^2/NDF: 2060907.7/41

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3285.021+/-0.491 χ^2/NDF:3920817.8/36

Out: 3161.761+/-0.481 χ^2/NDF:4133979.0/38

All: 3222.149+/-0.344 χ^2/NDF: 8086924.9/75



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -528.577+/-271.274 χ^2/NDF:10.8/20

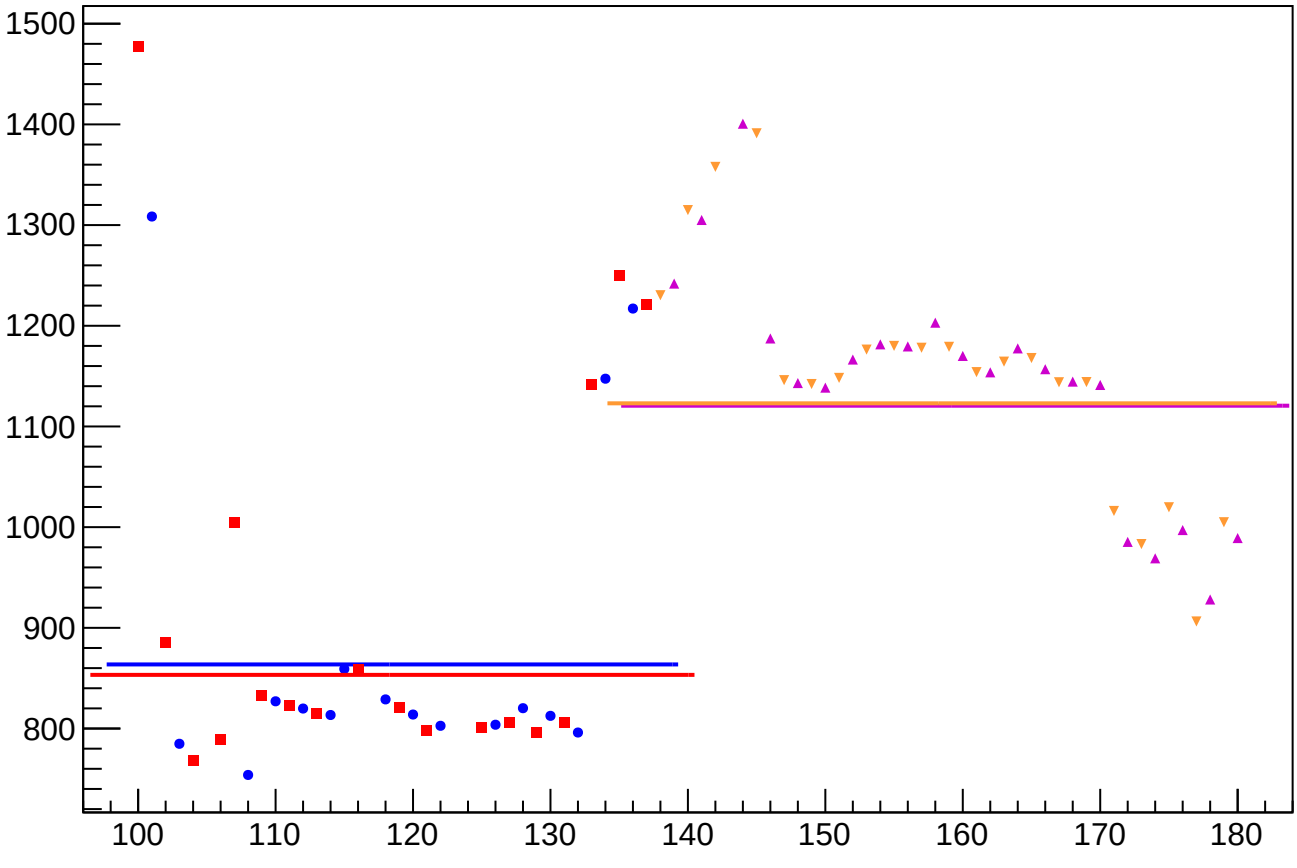
Left: -27.541+/-193.665 χ^2/NDF: 57.7/41

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -343.572+/-208.581 χ^2/NDF:25.3/36

Out: 211.090+/-209.758 χ^2/NDF:66.8/38

All: -67.801+/-147.903 χ^2/NDF: 95.6/75



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1120.614+/-0.192 χ^2/NDF:352797.4/20

Left: 1121.773+/-0.137 χ^2/NDF: 690804.3/41

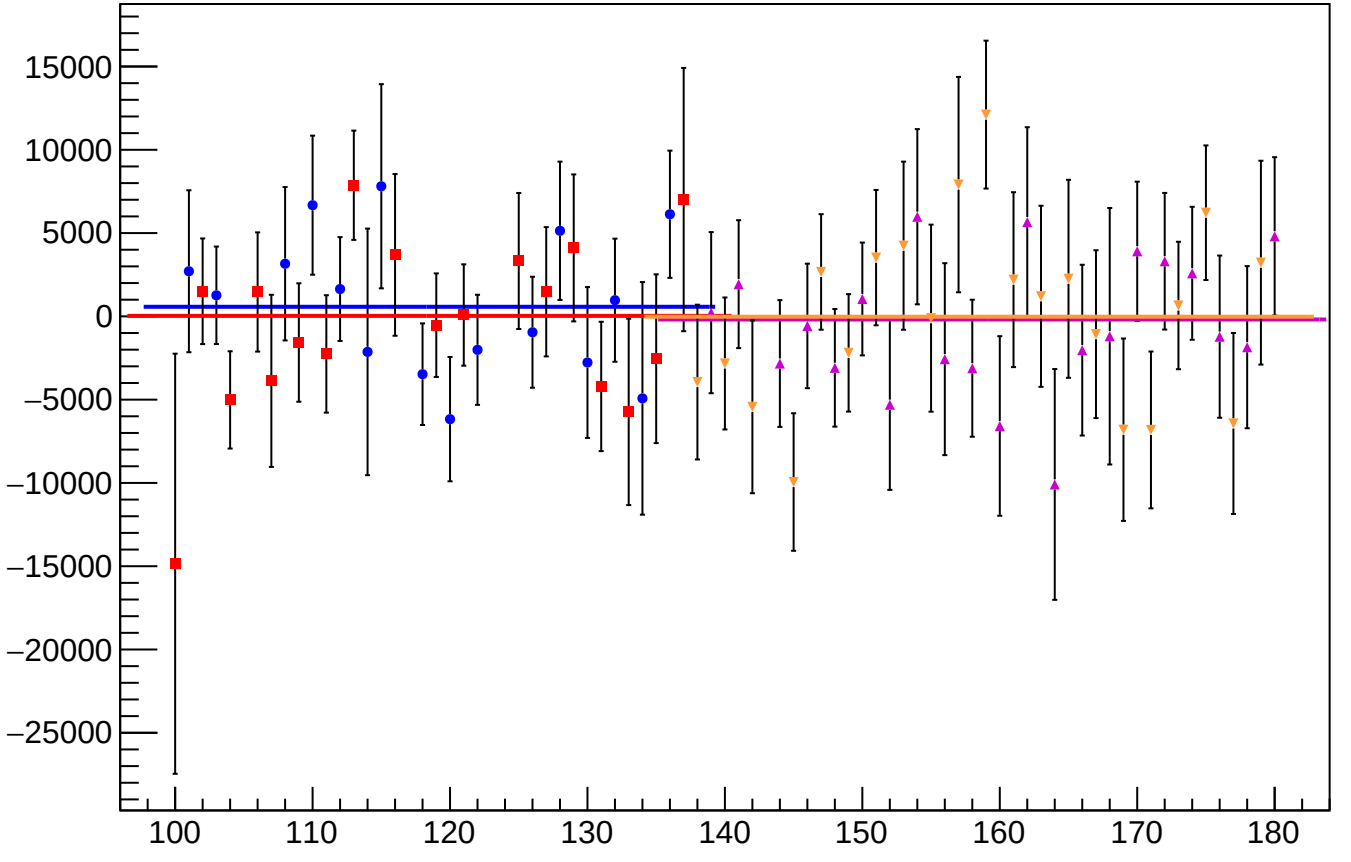
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1015.572+/-0.147 χ^2/NDF:1493850.5/36

Out: 1007.734+/-0.148 χ^2/NDF:1425936.1/38

All: 1011.666+/-0.104 χ^2/NDF: 2921193.9/75

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -187.522+/-984.686 χ^2/NDF:12.8/20

Left: -106.369+/-704.742 χ^2/NDF: 40.4/41

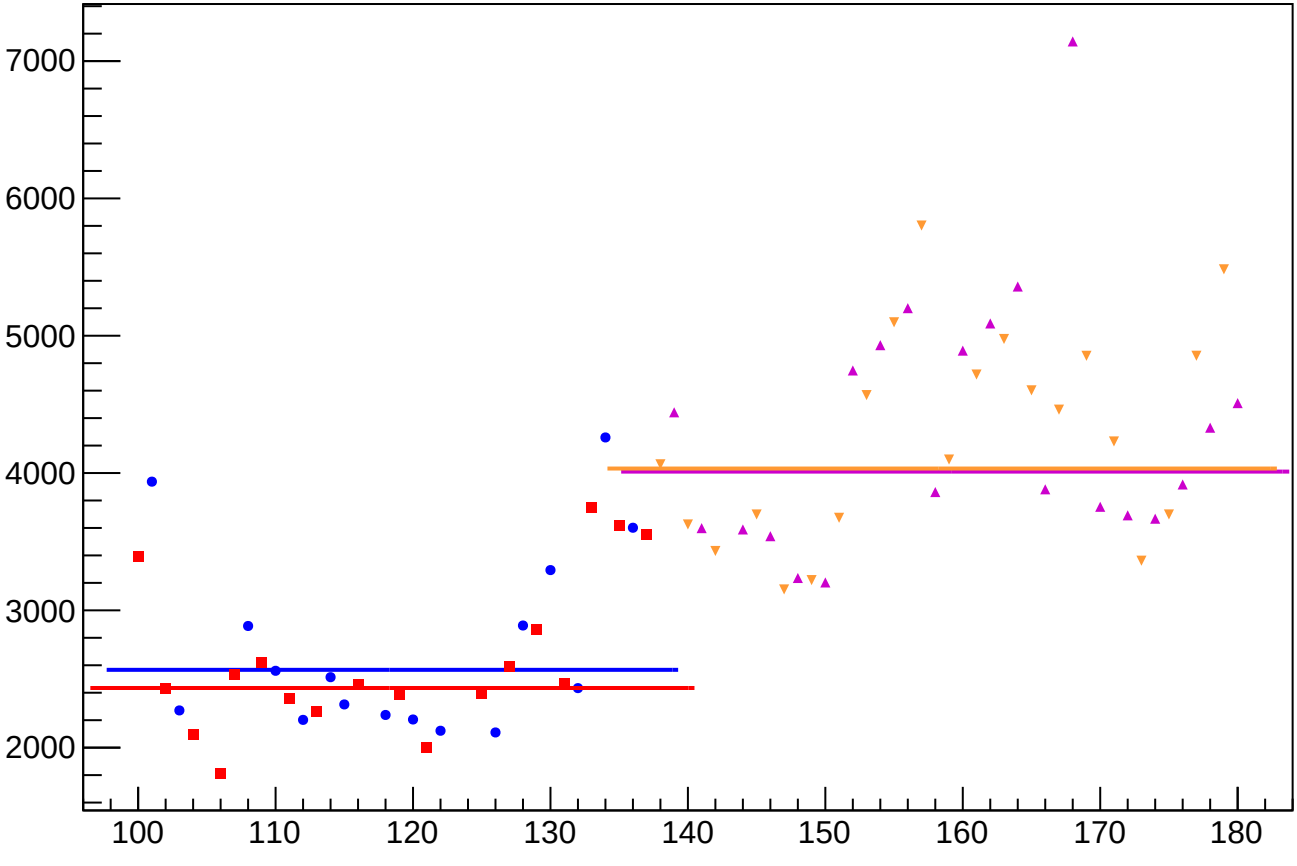
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 195.596+/-694.564 χ^2/NDF:27.8/36

Out: 5.964+/-680.704 χ^2/NDF:44.8/38

All: 98.869+/-486.157 χ^2/NDF: 72.6/75

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: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4010.408+/-0.696 χ^2/NDF:1094844.5/20

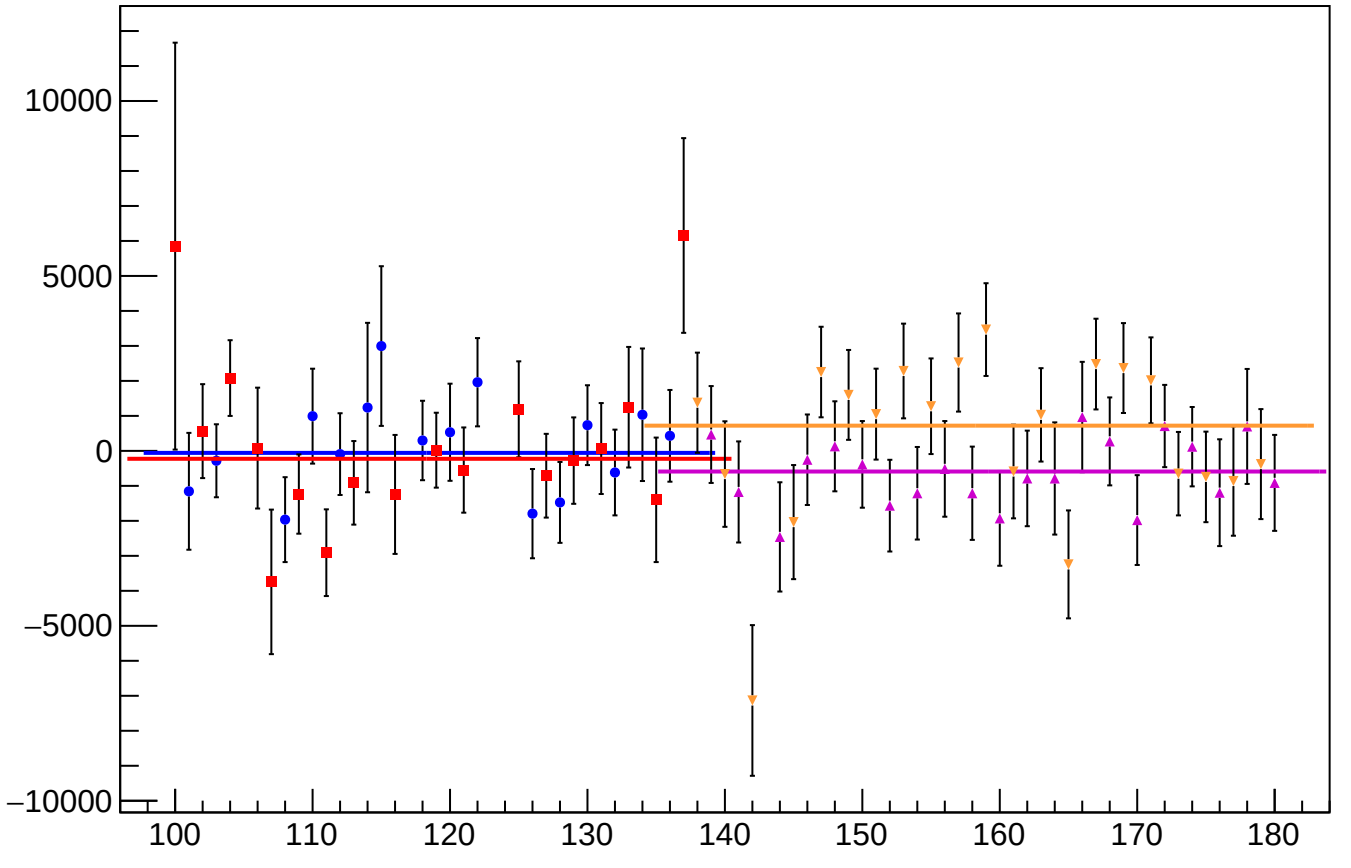
Left: 4021.300+/-0.498 χ^2/NDF: 2060907.7/41

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3285.021+/-0.491 χ^2/NDF:3920817.8/36

Out: 3161.761+/-0.481 χ^2/NDF:4133979.0/38

All: 3222.149+/-0.344 χ^2/NDF: 8086924.9/75



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 720.990+/-301.633 χ^2/NDF:42.9/20

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -590.167+/-295.396 χ^2/NDF:9.7/20

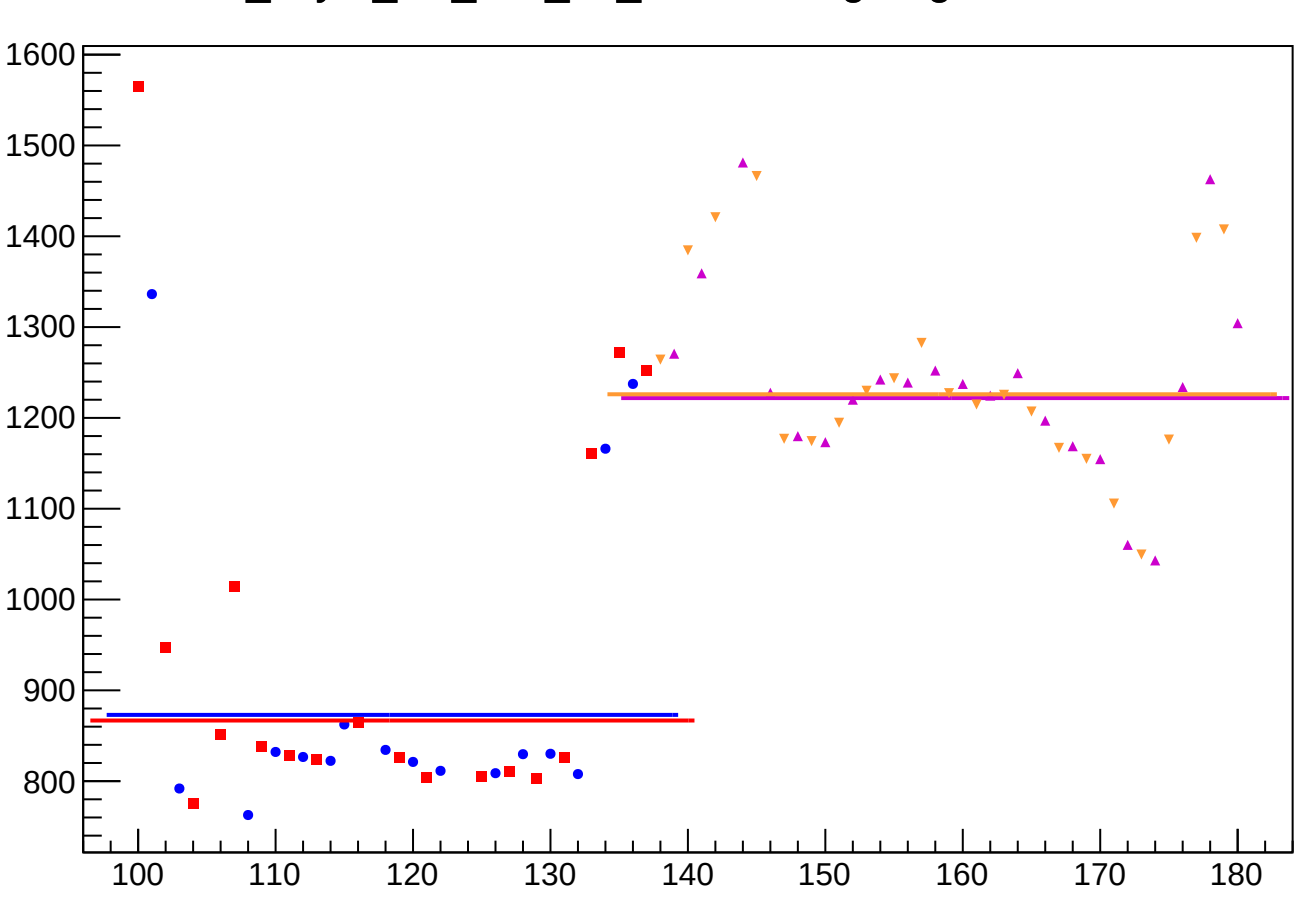
Left: 51.717+/-211.047 χ^2/NDF: 62.2/41

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -353.156+/-220.124 χ^2/NDF:24.1/36

Out: 287.147+/-222.045 χ^2/NDF:70.4/38

All: -35.787+/-156.326 χ^2/NDF: 98.6/75



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1226.019+/-0.213 χ^2/NDF:221845.9/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1221.823+/-0.209 χ^2/NDF:231121.0/20

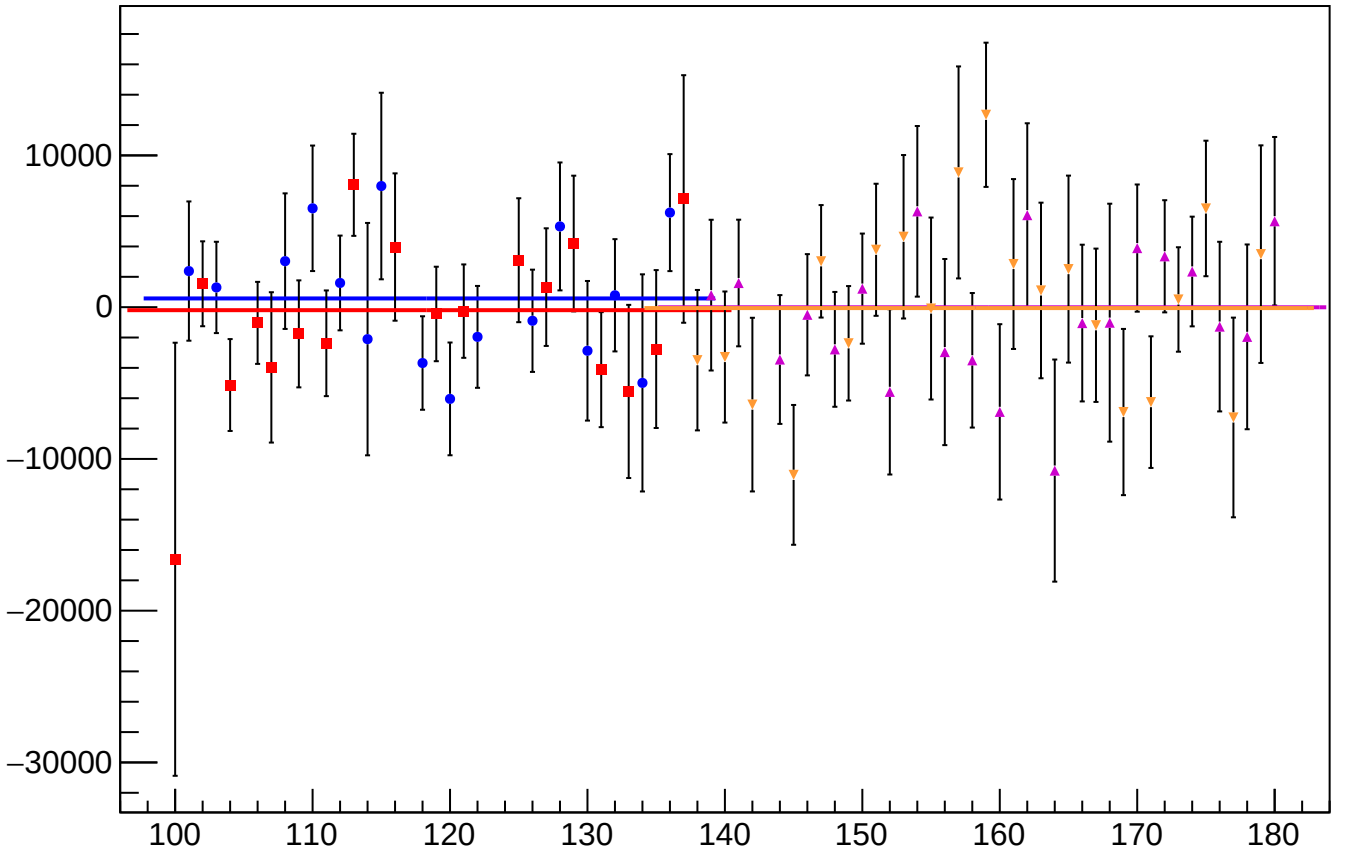
Left: 1223.877+/-0.149 χ^2/NDF: 453164.5/41

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1066.686+/-0.156 χ^2/NDF:1888656.0/36

Out: 1061.274+/-0.157 χ^2/NDF:1813230.2/38

All: 1064.002+/-0.111 χ^2/NDF: 3702485.7/75



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -60.442+/-1058.803 χ^2/NDF:27.2/20

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -7.510+/-1035.489 χ^2/NDF:12.6/20

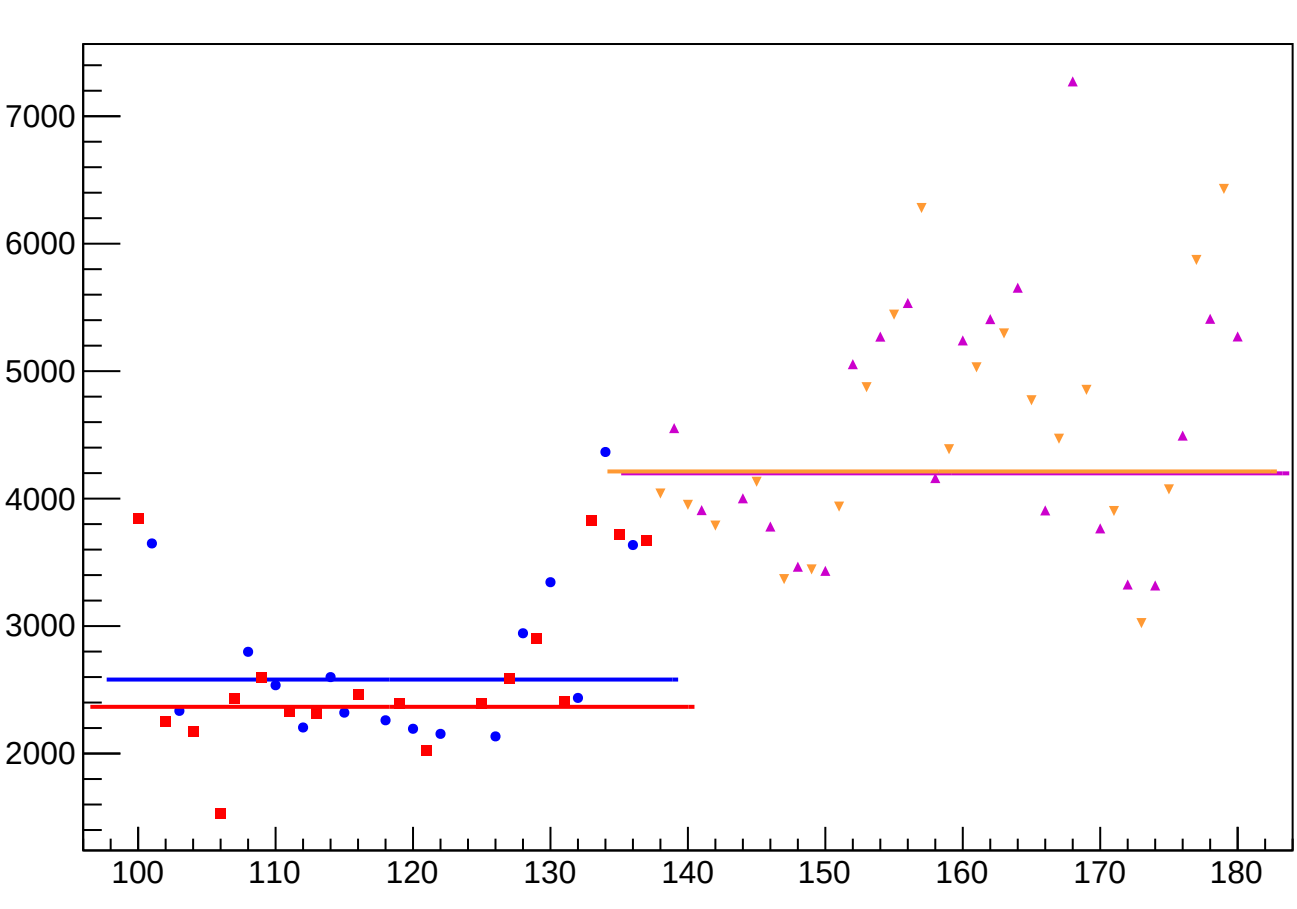
Left: -33.387+/-740.306 χ^2/NDF: 39.9/41

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 298.467+/-713.639 χ^2/NDF:27.5/36

Out: -140.712+/-683.129 χ^2/NDF:44.4/38

All: 69.289+/-493.479 χ^2/NDF: 72.1/75



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4213.105+/-0.749 χ^2/NDF:1240278.7/20

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4198.229+/-0.732 χ^2/NDF:1376310.3/20

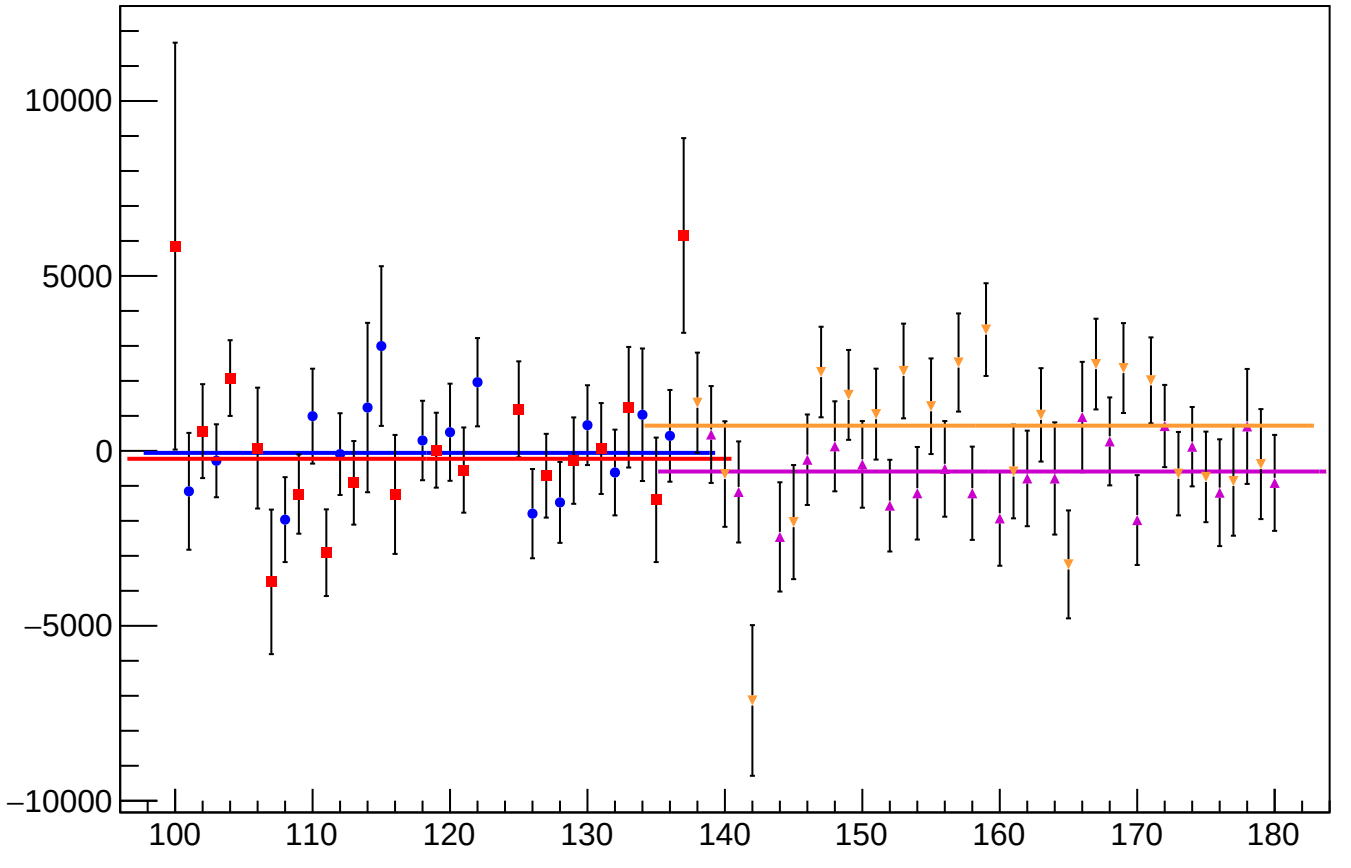
Left: 4205.501+/-0.523 χ^2/NDF: 2616790.7/41

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3348.809+/-0.505 χ^2/NDF:4556773.0/36

Out: 3135.134+/-0.483 χ^2/NDF:5403386.2/38

All: 3237.306+/-0.349 χ^2/NDF: 10053723.4/7



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 720.991+/-301.633 χ^2/NDF:42.9/20

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -590.165+/-295.397 χ^2/NDF:9.7/20

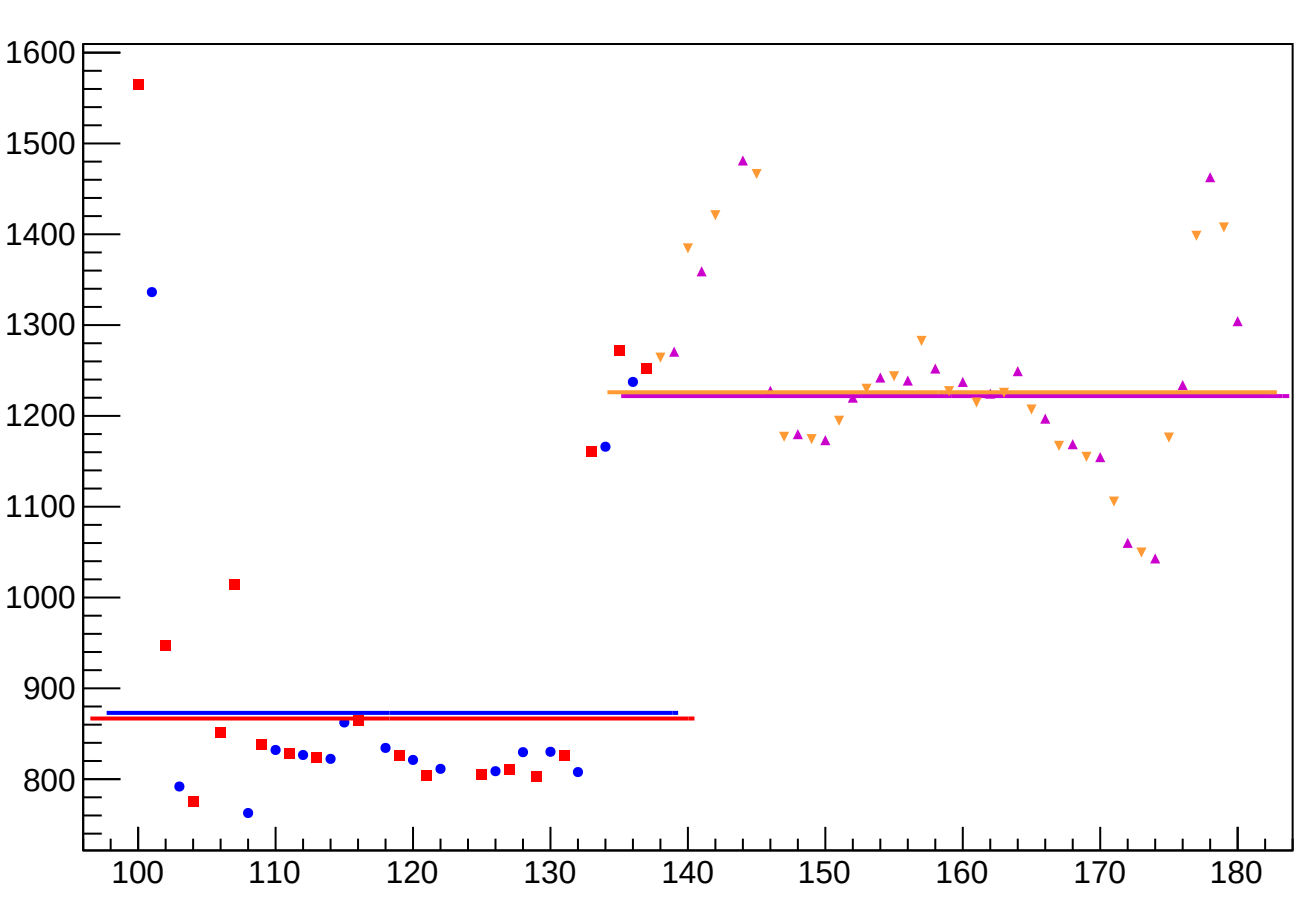
Left: 51.719+/-211.047 χ^2/NDF: 62.2/41

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -353.156+/-220.124 χ^2/NDF:24.1/36

Out: 287.146+/-222.045 χ^2/NDF:70.4/38

All: -35.788+/-156.326 χ^2/NDF: 98.6/75



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1226.020+/-0.213 χ^2/NDF:221858.5/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1221.824+/-0.209 χ^2/NDF:231132.1/20

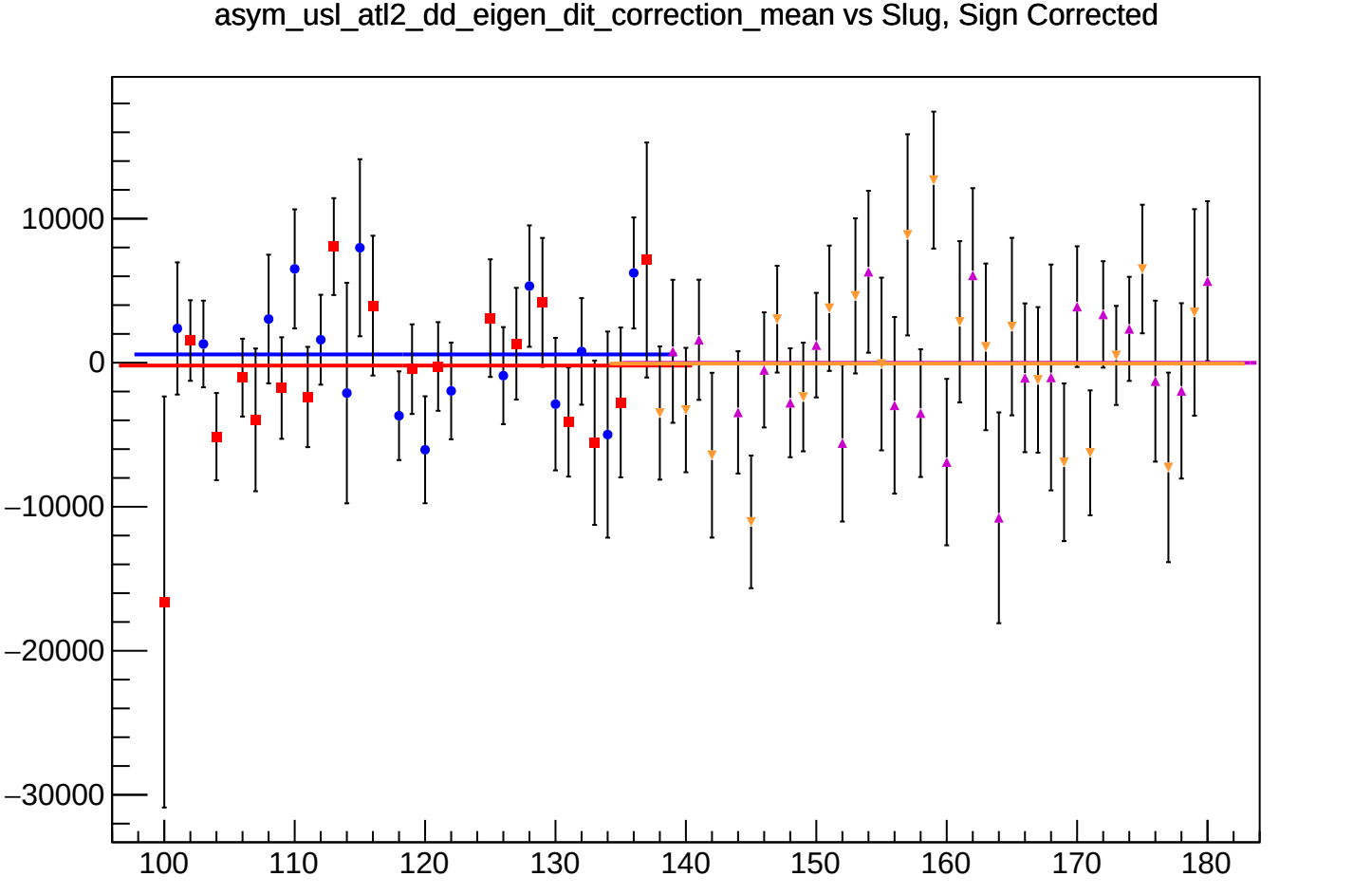
Left: 1223.878+/-0.149 χ^2/NDF: 453188.2/41

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1066.687+/-0.156 χ^2/NDF:1888671.8/36

Out: 1061.274+/-0.157 χ^2/NDF:1813247.4/38

All: 1064.003+/-0.111 χ^2/NDF: 3702518.8/75



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -60.441+/-1058.805 χ^2/NDF:27.2/20

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -7.511+/-1035.491 χ^2/NDF:12.6/20

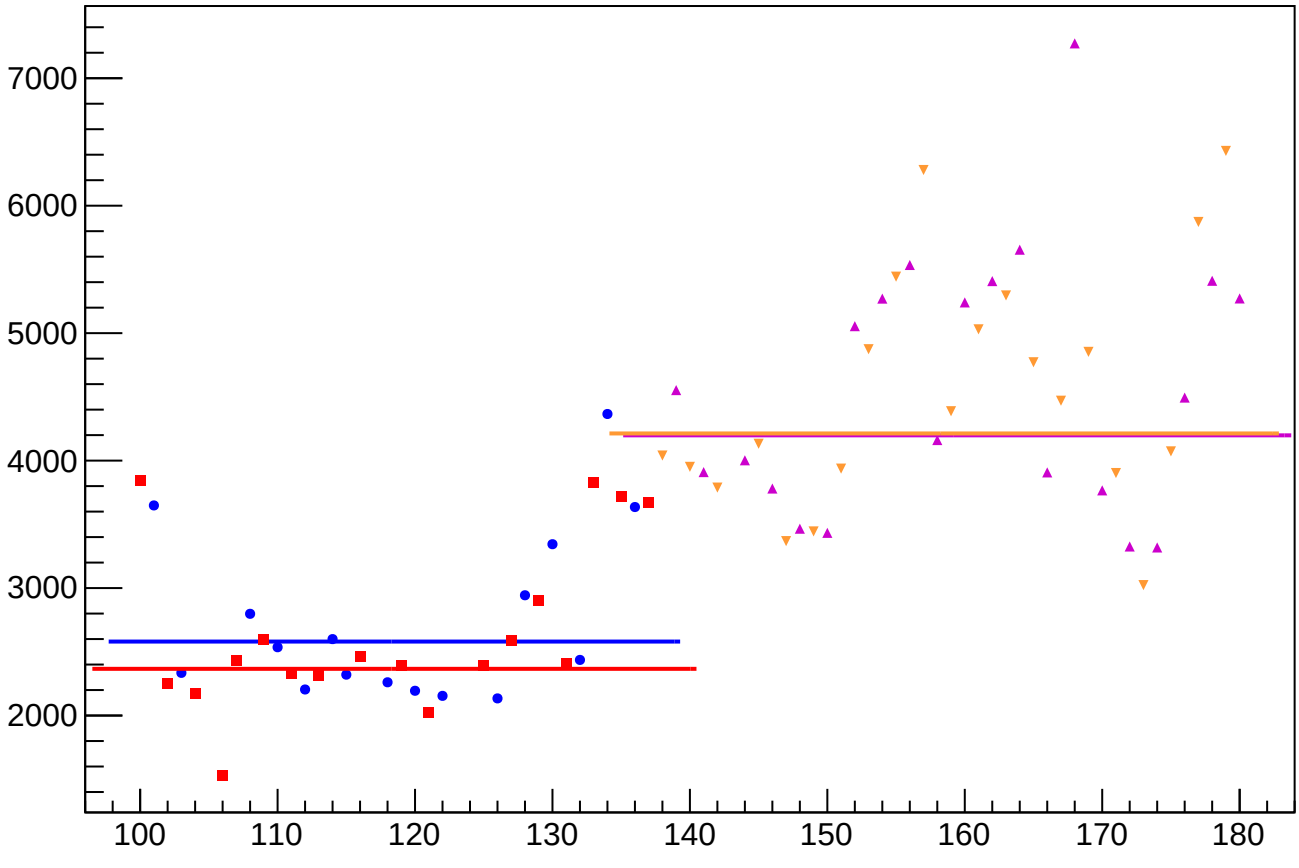
Left: -33.387+/-740.308 χ^2/NDF: 39.9/41

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 298.466+/-713.639 χ^2/NDF:27.5/36

Out: -140.712+/-683.128 χ^2/NDF:44.4/38

All: 69.288+/-493.478 χ^2/NDF: 72.1/75



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4213.113+/-0.749 χ^2/NDF:1240277.8/20

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4198.237+/-0.732 χ^2/NDF:1376311.0/20

Left: 4205.509+/-0.523 χ^2/NDF: 2616790.6/41

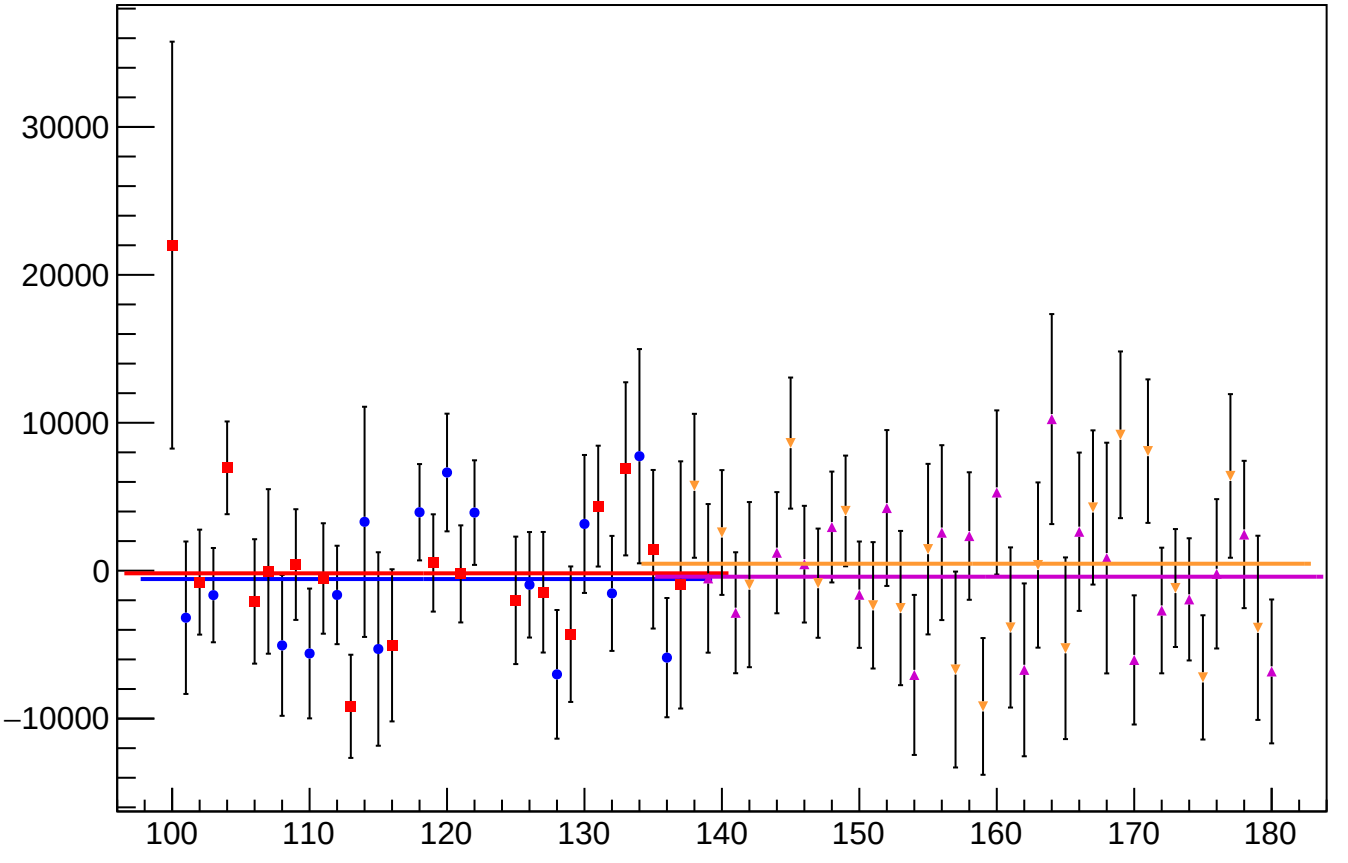
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3348.804+/-0.505 χ^2/NDF:4556833.9/36

Out: 3135.130+/-0.483 χ^2/NDF:5403447.4/38

All: 3237.302+/-0.349 χ^2/NDF: 10053845.7/7

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 470.357+/-1054.700 χ^2/NDF:24.3/20

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -407.971+/-1028.277 χ^2/NDF:13.4/20

Left: 20.053+/-736.266 χ^2/NDF: 38.0/41

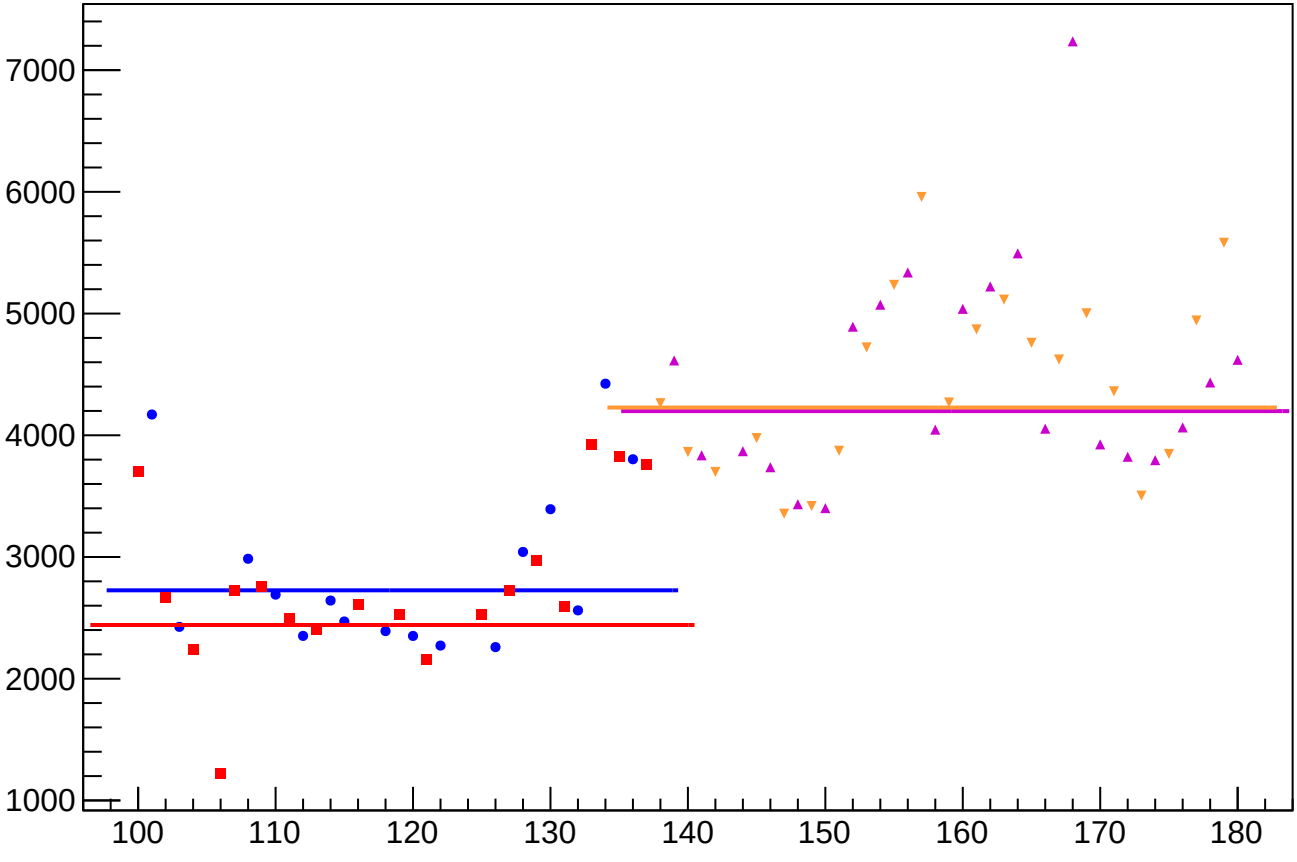
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -486.113+/-731.320 χ^2/NDF:29.6/36

Out: 124.846+/-721.202 χ^2/NDF:44.0/38

All: -176.378+/-513.507 χ^2/NDF: 74.0/75

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4227.924+/-0.746 χ^2/NDF:828803.6/20

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4198.548+/-0.727 χ^2/NDF:957229.7/20

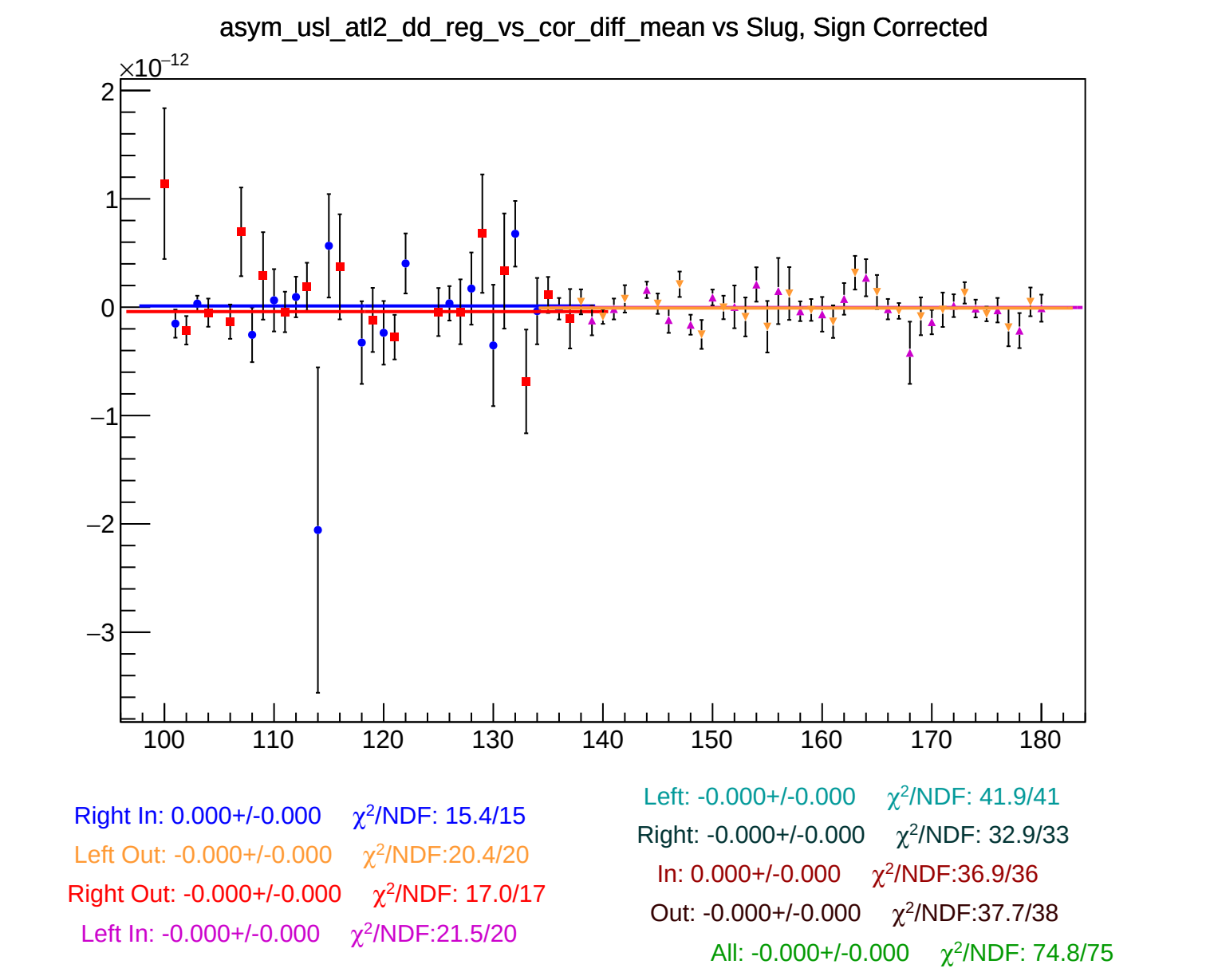
Left: 4212.864+/-0.521 χ^2/NDF: 1786828.8/41

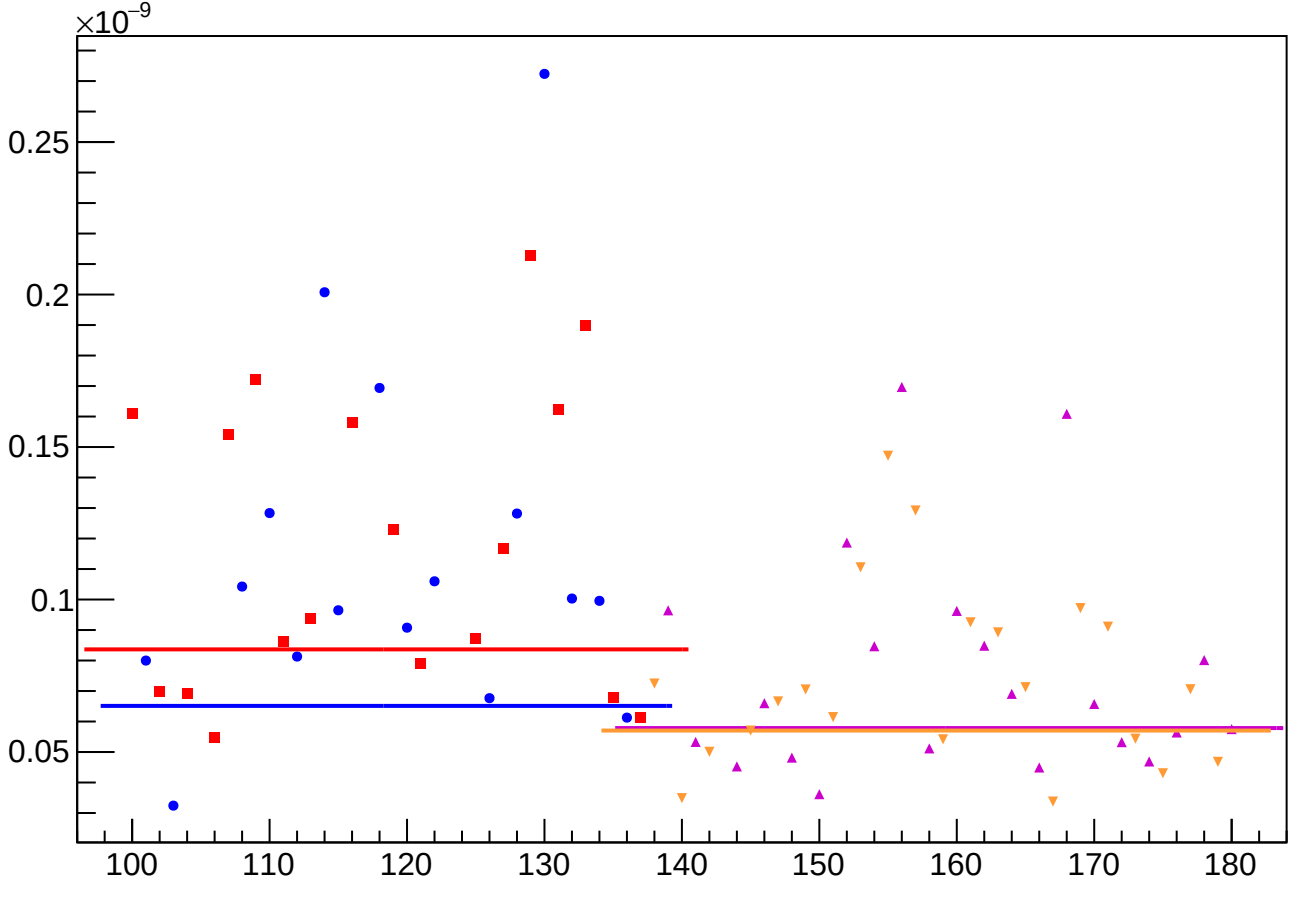
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3470.956+/-0.517 χ^2/NDF:3606589.2/36

Out: 3235.245+/-0.497 χ^2/NDF:4908529.9/38

All: 3348.460+/-0.358 χ^2/NDF: 8623092.3/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:20.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: -0.000+/-0.000 χ²/NDF:21.5/20
Left: -0.000+/-0.000 χ²/NDF: 41.9/41
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:36.9/36
Out: -0.000+/-0.000 χ²/NDF:37.7/38
All: -0.000+/-0.000 χ²/NDF: 74.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1669702.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1525939.4/20

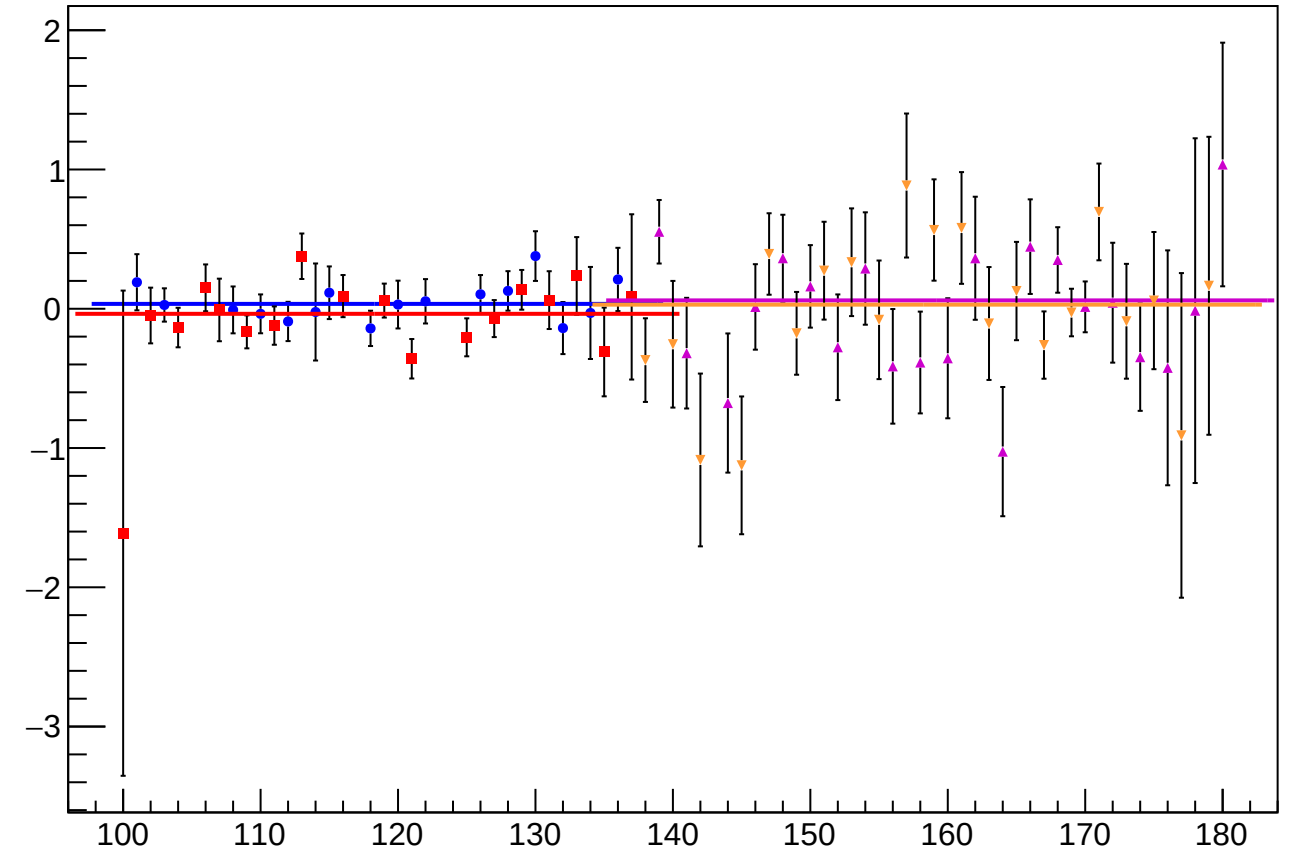
Left: 0.000+/-0.000 χ^2/NDF: 3196737.1/41

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2790019.0/36

Out: 0.000+/-0.000 χ^2/NDF:2771934.5/38

All: 0.000+/-0.000 χ^2/NDF: 5571310.7/75



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.060+/-0.075 χ^2/NDF:25.2/20

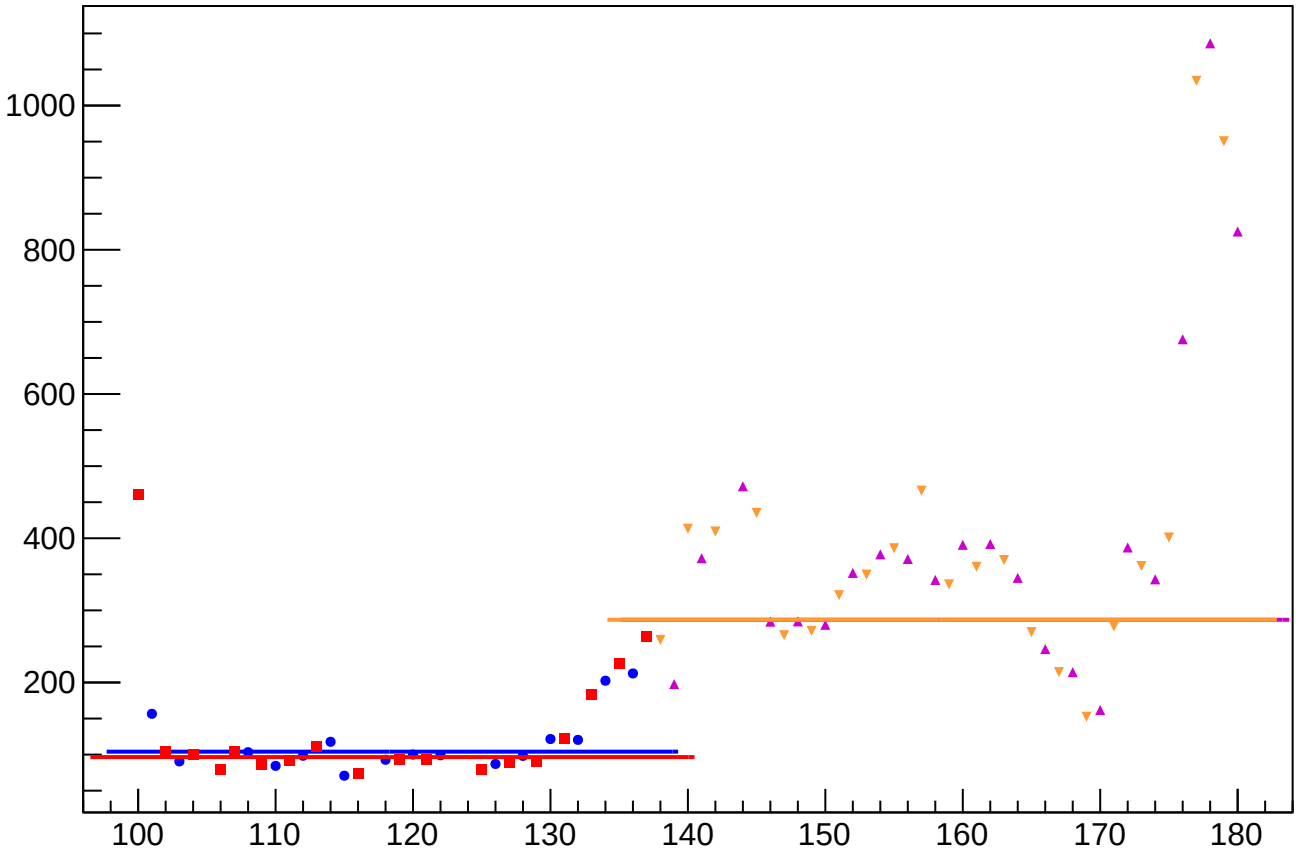
Left: 0.045+/-0.054 χ^2/NDF: 52.3/41

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.041+/-0.036 χ^2/NDF:35.0/36

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.008+/-0.025 χ^2/NDF: 86.3/75



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

Left: 286.978+/-0.038 χ^2/NDF: 8794738.5/41

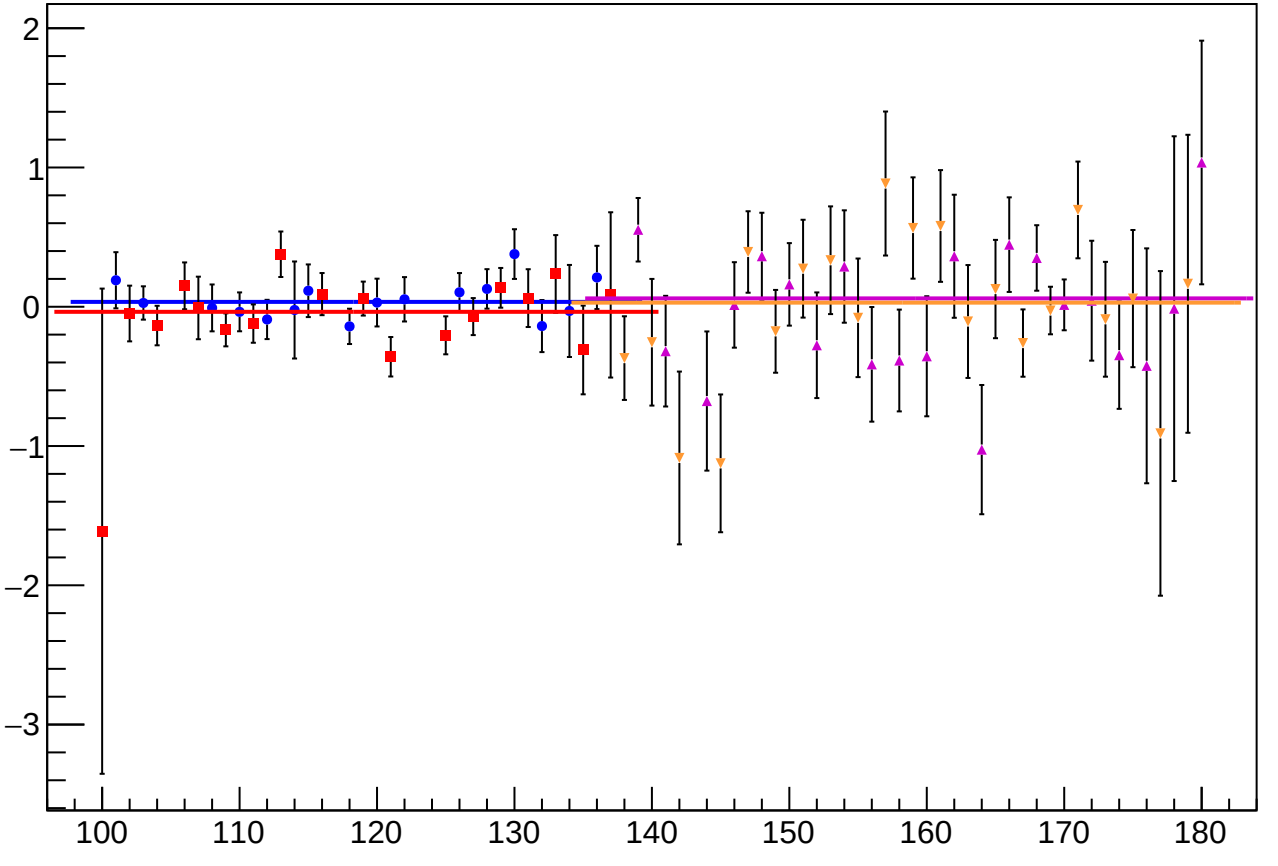
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 145.851+/-0.025 χ^2/NDF:14612041.4/36

Out: 135.326+/-0.025 χ^2/NDF:14952757.6/38

All: 140.391+/-0.018 χ^2/NDF: 29653263.2/75

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: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.060+/-0.075 χ^2/NDF:25.2/20

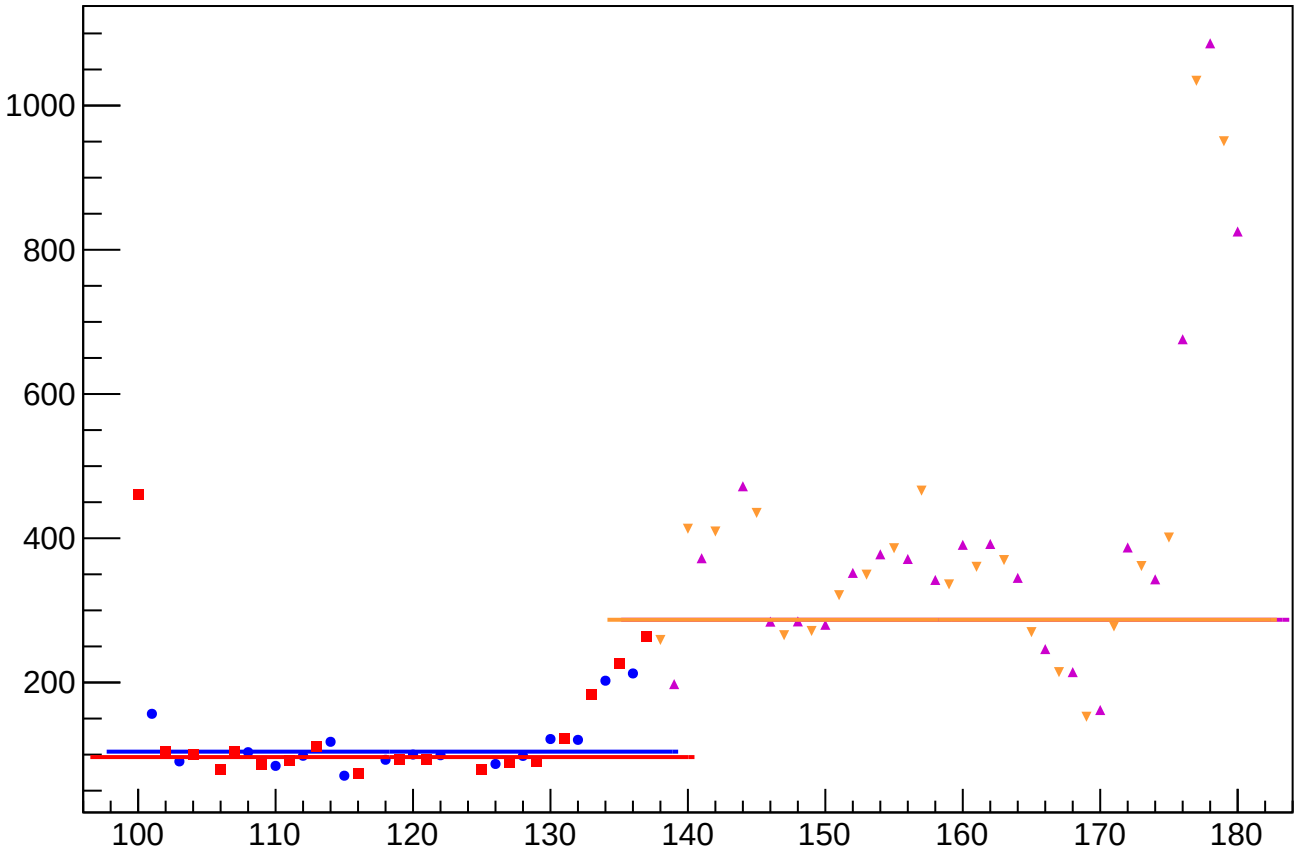
Left: 0.045+/-0.054 χ^2/NDF: 52.3/41

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.041+/-0.036 χ^2/NDF:35.0/36

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.008+/-0.025 χ^2/NDF: 86.3/75



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 286.964+/-0.053 χ^2/NDF:4552022.9/20

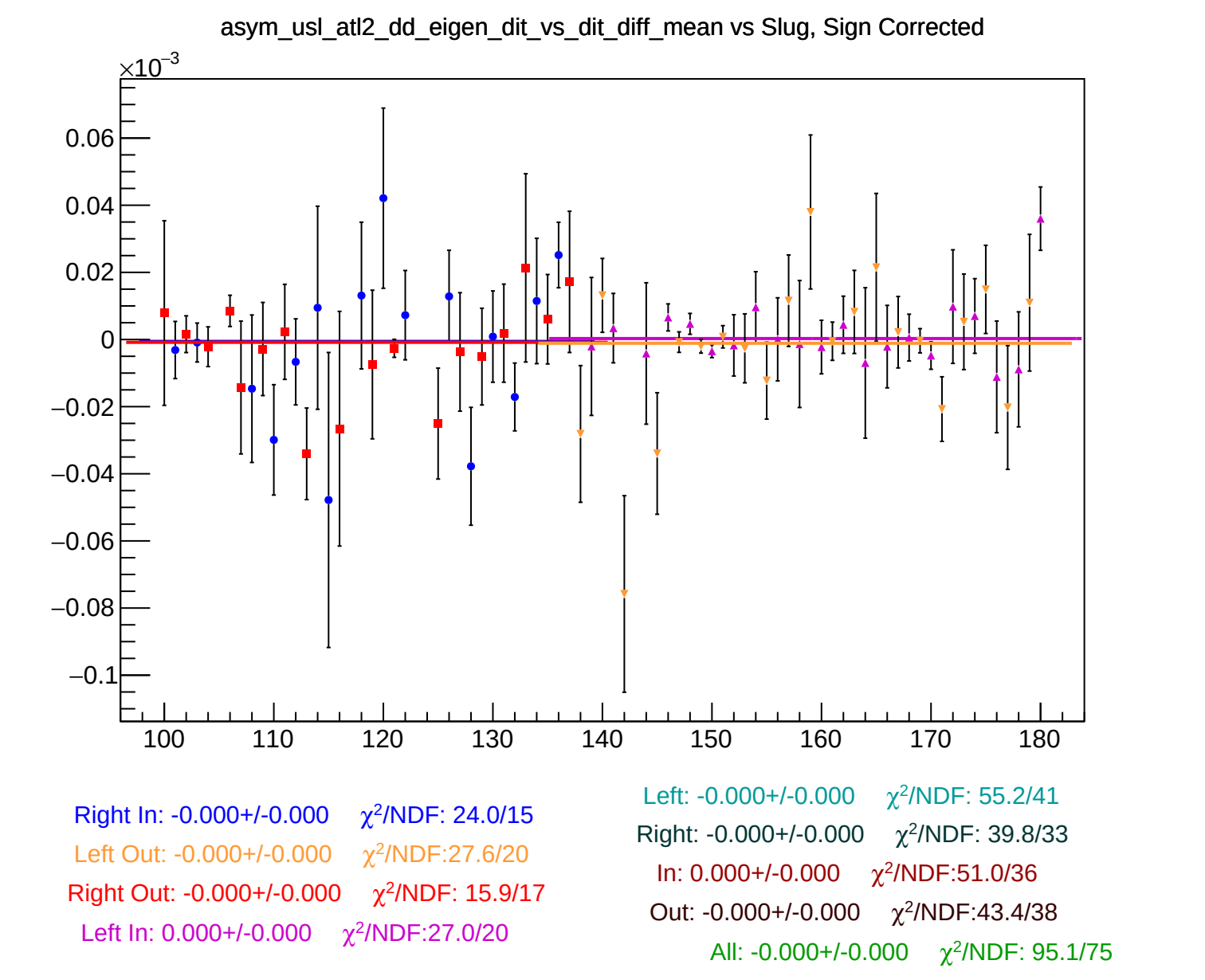
Left: 286.978+/-0.038 χ^2/NDF: 8794738.5/41

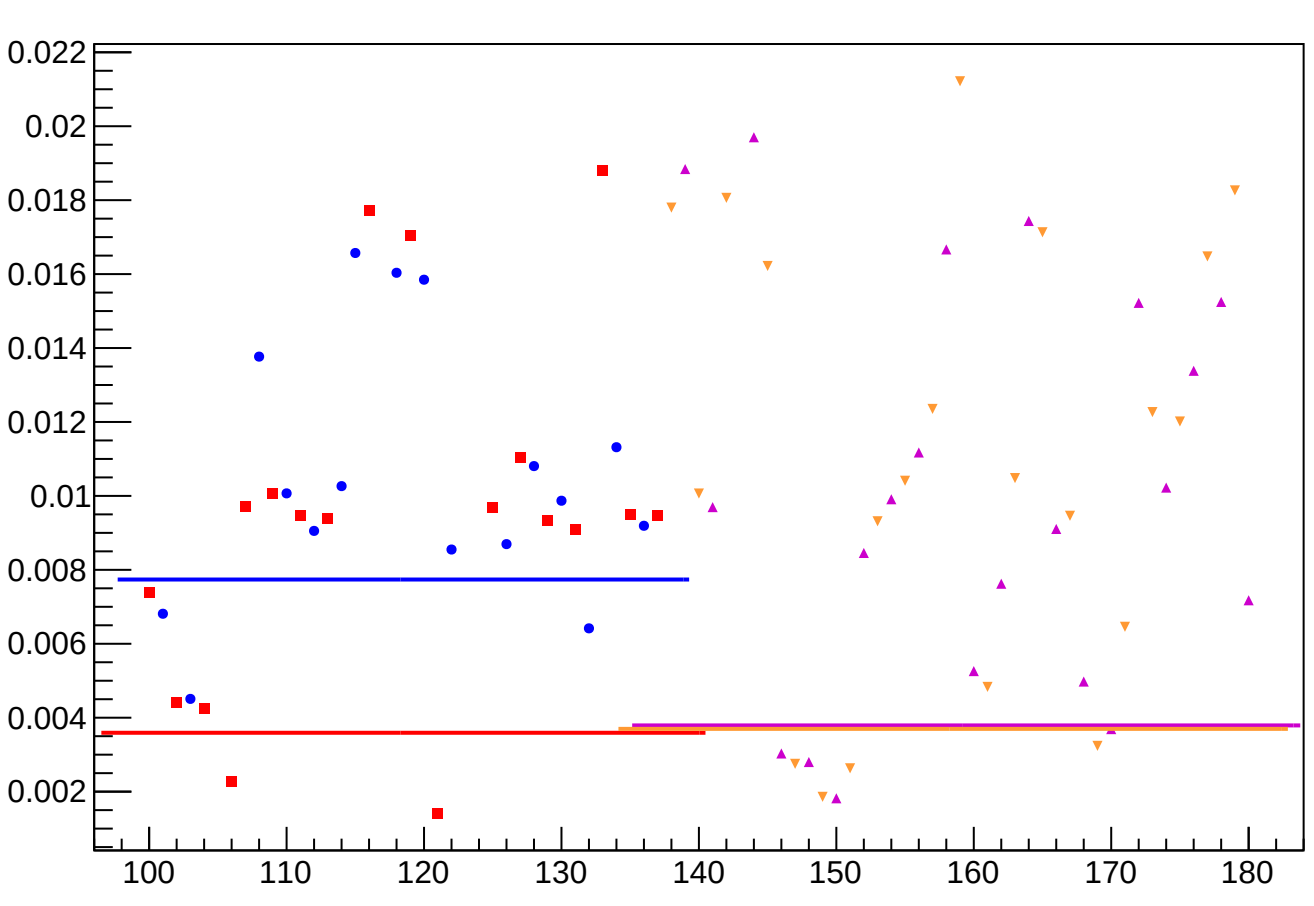
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 145.851+/-0.025 χ^2/NDF:14612041.4/36

Out: 135.326+/-0.025 χ^2/NDF:14952757.6/38

All: 140.391+/-0.018 χ^2/NDF: 29653263.2/75


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
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.6/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:27.0/20
Left: -0.000+/-0.000 χ²/NDF: 55.2/41
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: 0.000+/-0.000 χ²/NDF:51.0/36
Out: -0.000+/-0.000 χ²/NDF:43.4/38
All: -0.000+/-0.000 χ²/NDF: 95.1/75



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14071754.2/20

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:13120593.9/20

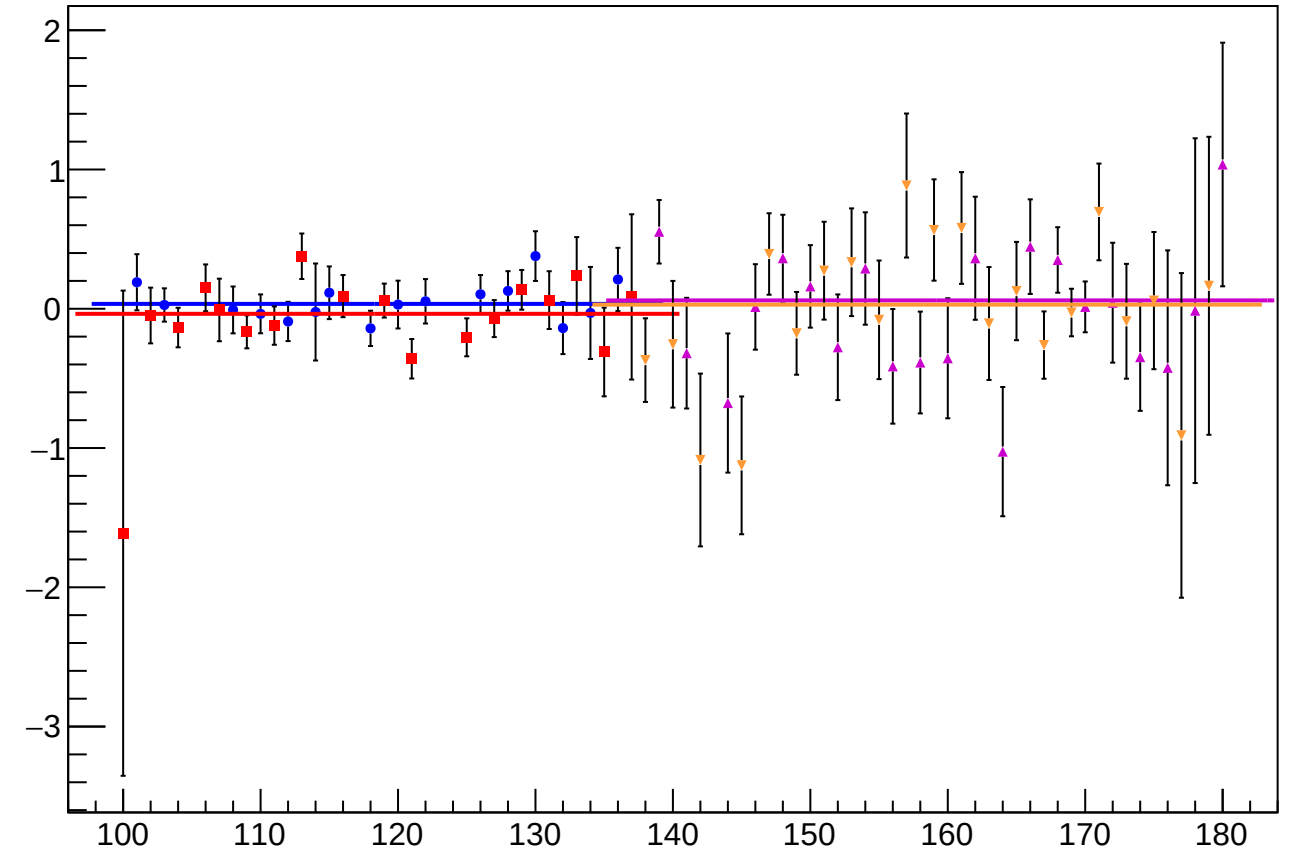
Left: 0.004+/-0.000 χ^2/NDF: 27197830.5/41

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:17584918.5/36

Out: 0.004+/-0.000 χ^2/NDF:20441116.5/38

All: 0.004+/-0.000 χ^2/NDF: 38408896.4/75



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.060+/-0.075 χ^2/NDF:25.2/20

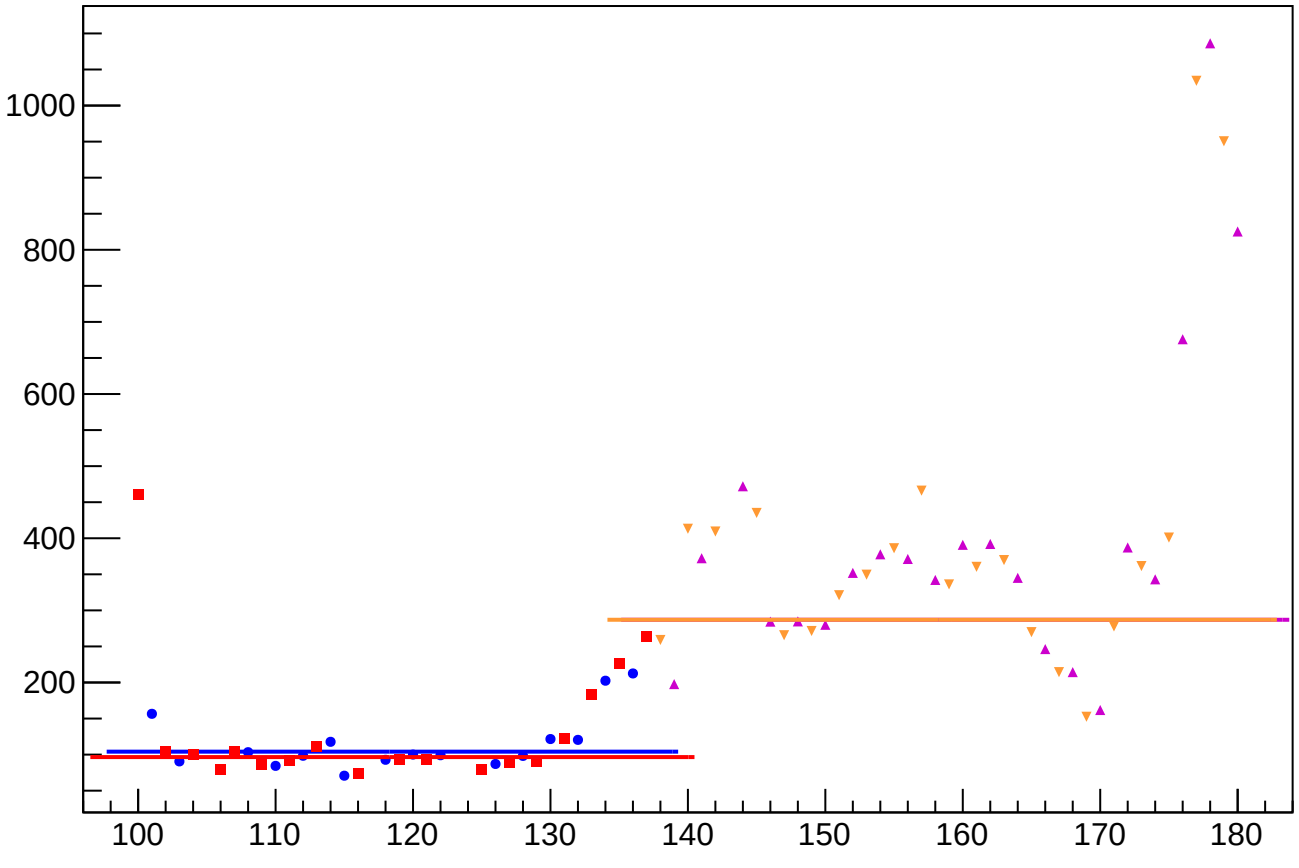
Left: 0.045+/-0.054 χ^2/NDF: 52.3/41

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.041+/-0.036 χ^2/NDF:35.0/36

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.008+/-0.025 χ^2/NDF: 86.3/75



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

Left: 286.981+/-0.038 χ^2/NDF: 8794758.8/41

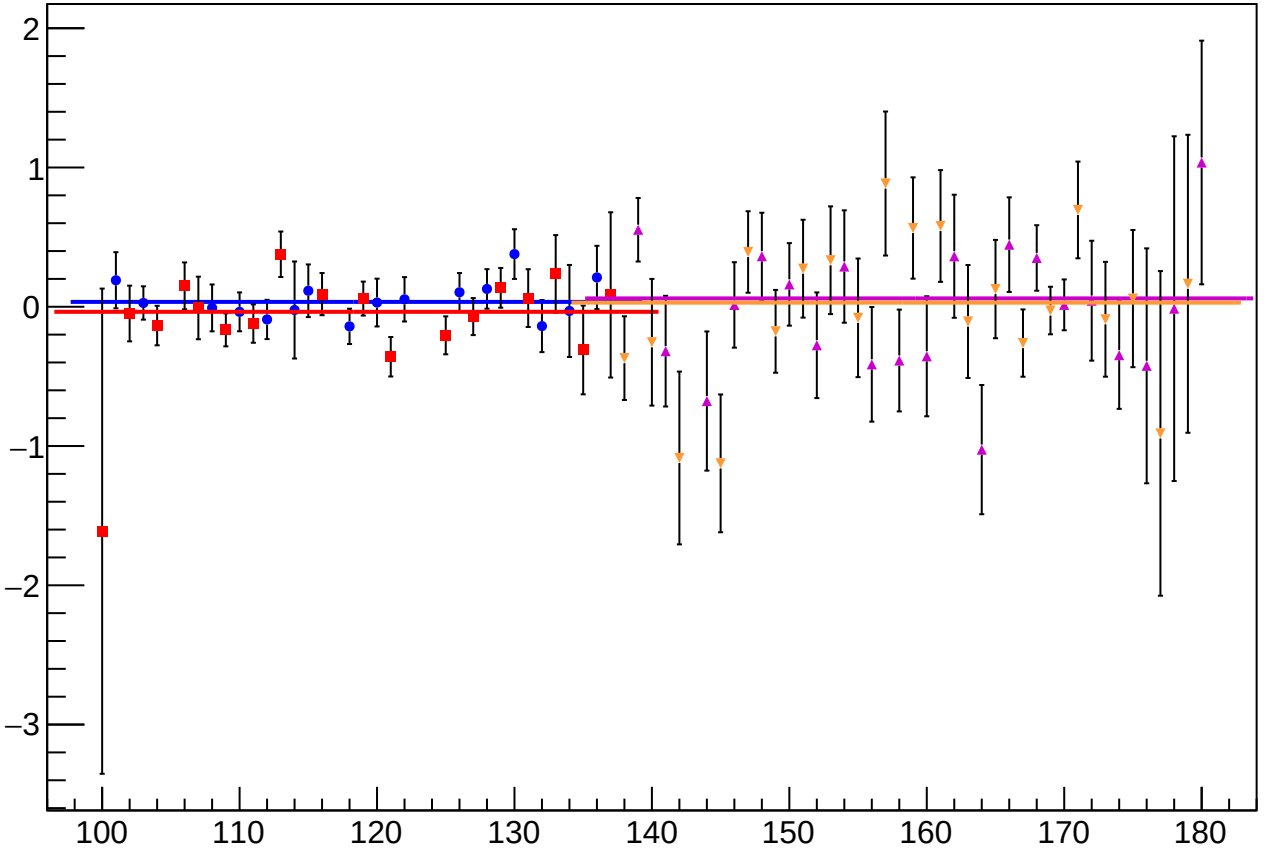
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 145.852+/-0.025 χ^2/NDF:14612018.0/36

Out: 135.327+/-0.025 χ^2/NDF:14952646.8/38

All: 140.392+/-0.018 χ^2/NDF: 29653120.5/75

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.060+/-0.075 χ^2/NDF:25.2/20

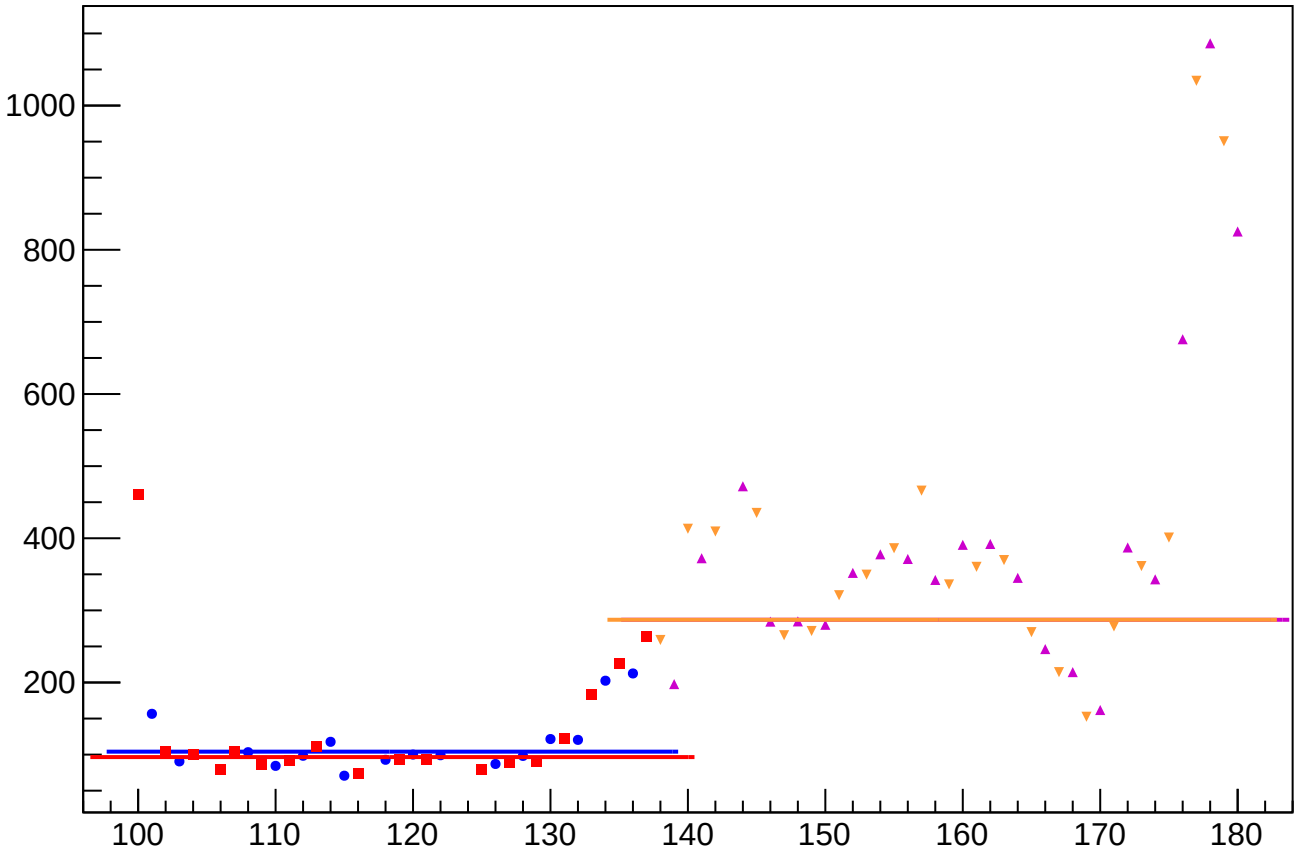
Left: 0.045+/-0.054 χ^2/NDF: 52.3/41

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.041+/-0.036 χ^2/NDF:35.0/36

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.008+/-0.025 χ^2/NDF: 86.3/75



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 286.968+/-0.053 χ^2/NDF:4551984.7/20

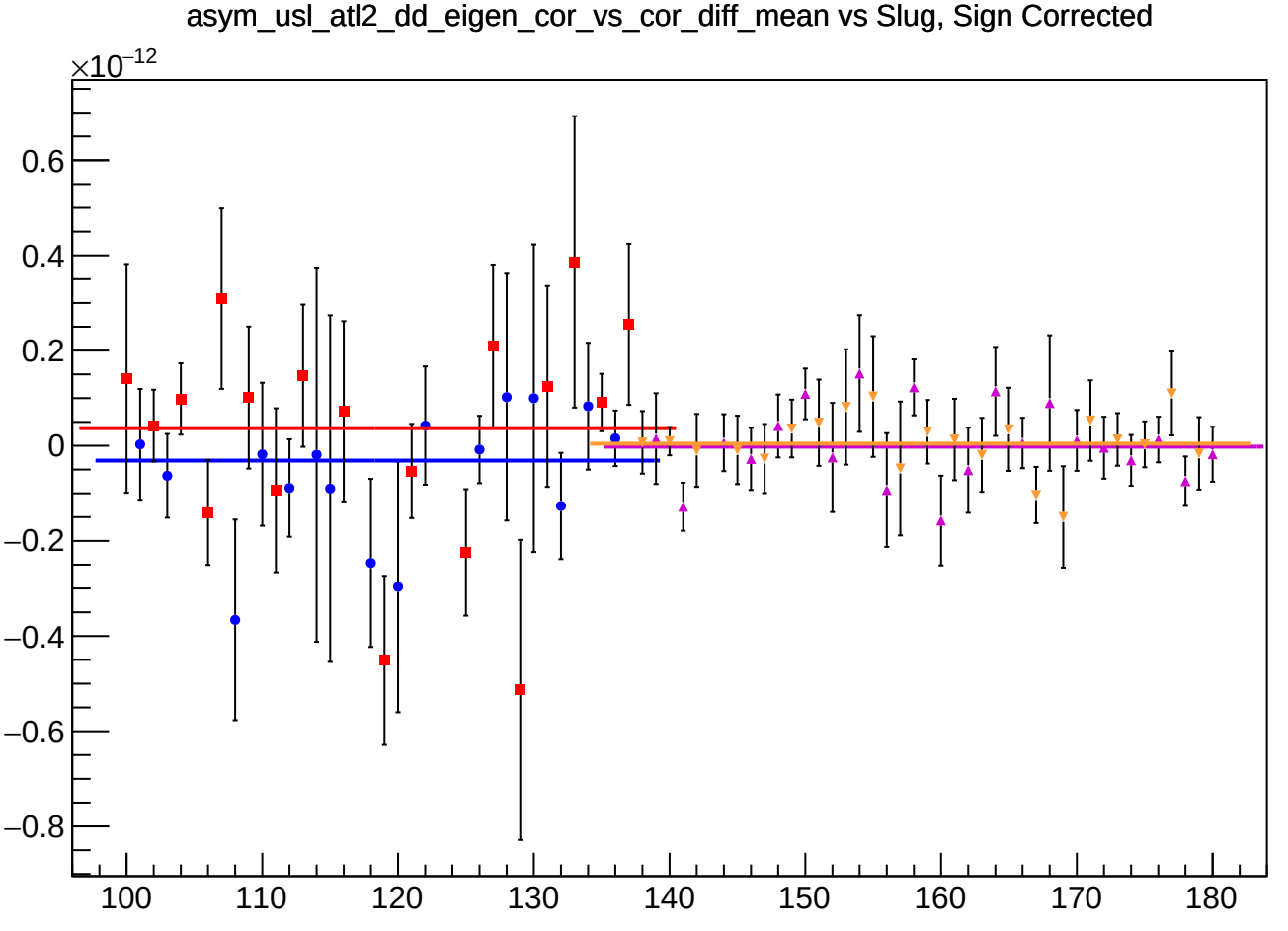
Left: 286.981+/-0.038 χ^2/NDF: 8794758.8/41

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 145.852+/-0.025 χ^2/NDF:14612018.0/36

Out: 135.327+/-0.025 χ^2/NDF:14952646.8/38

All: 140.392+/-0.018 χ^2/NDF: 29653120.5/75



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:25.4/20

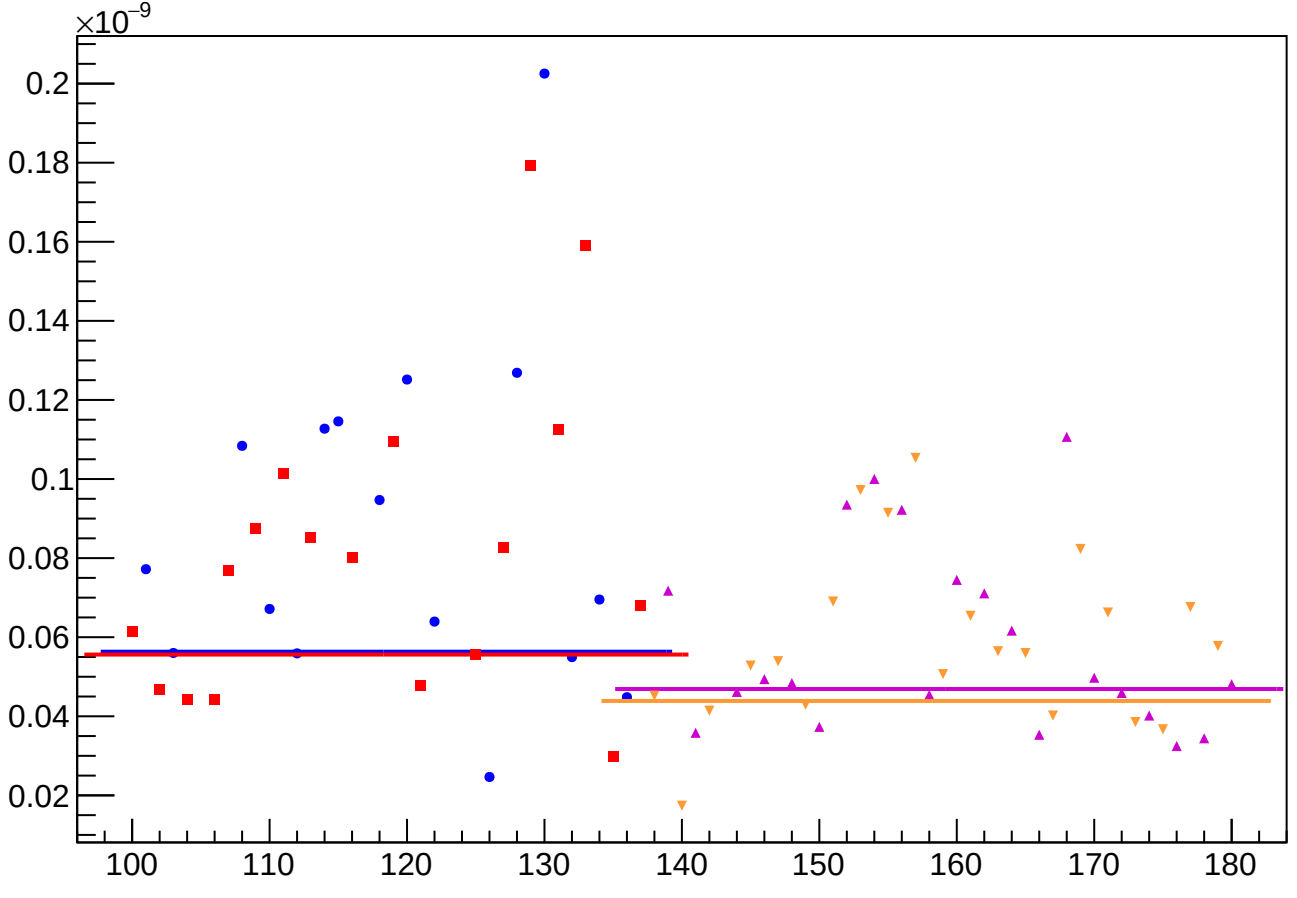
Left: 0.000+/-0.000 χ^2/NDF: 35.1/41

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:34.7/36

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 73.4/75



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3800174.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2493513.4/20

Left: 0.000+/-0.000 χ^2/NDF: 6337292.4/41

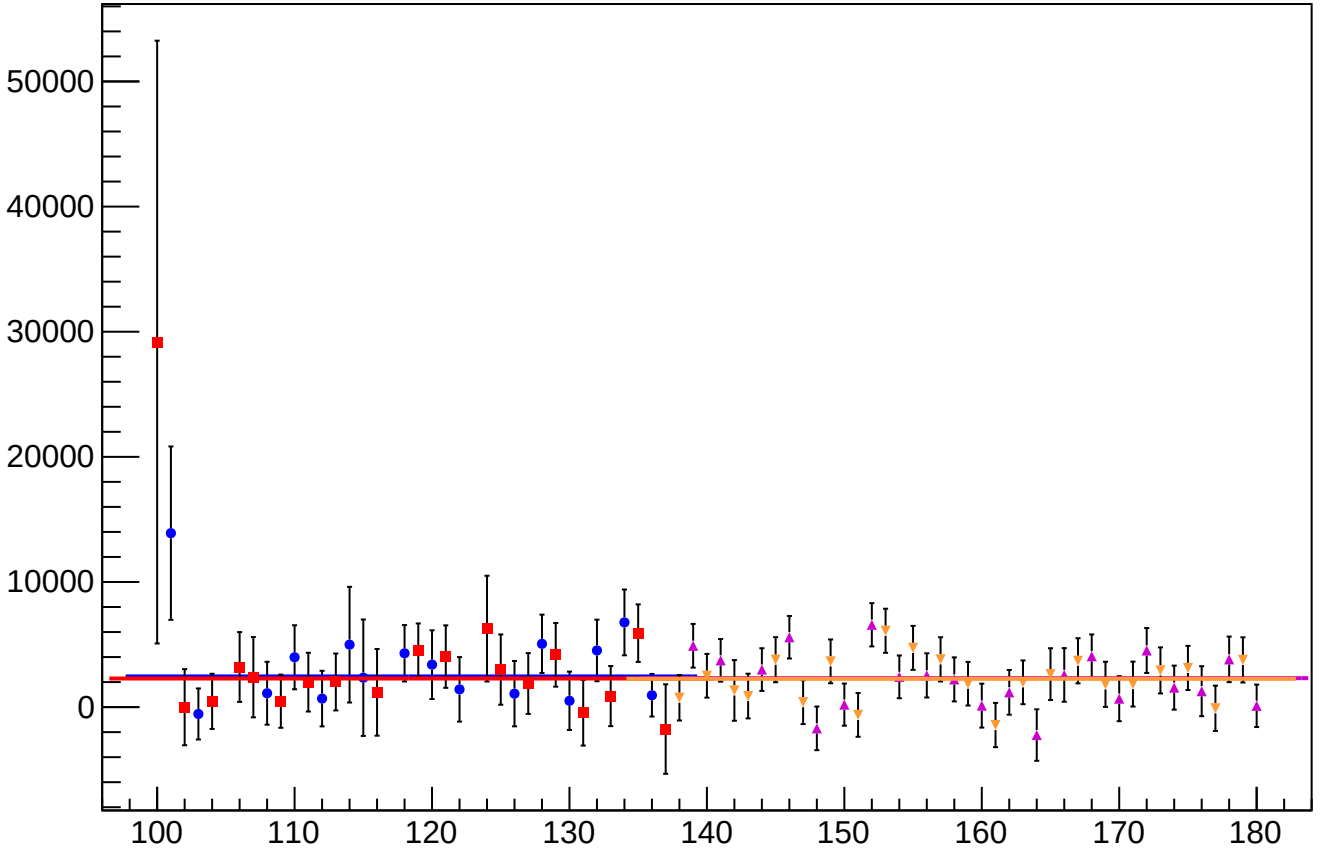
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:4240529.4/36

Out: 0.000+/-0.000 χ^2/NDF:5832815.0/38

All: 0.000+/-0.000 χ^2/NDF: 10109165.1/75

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.221+/-385.477 χ^2/NDF:22.2/21

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2313.042+/-388.448 χ^2/NDF:32.8/20

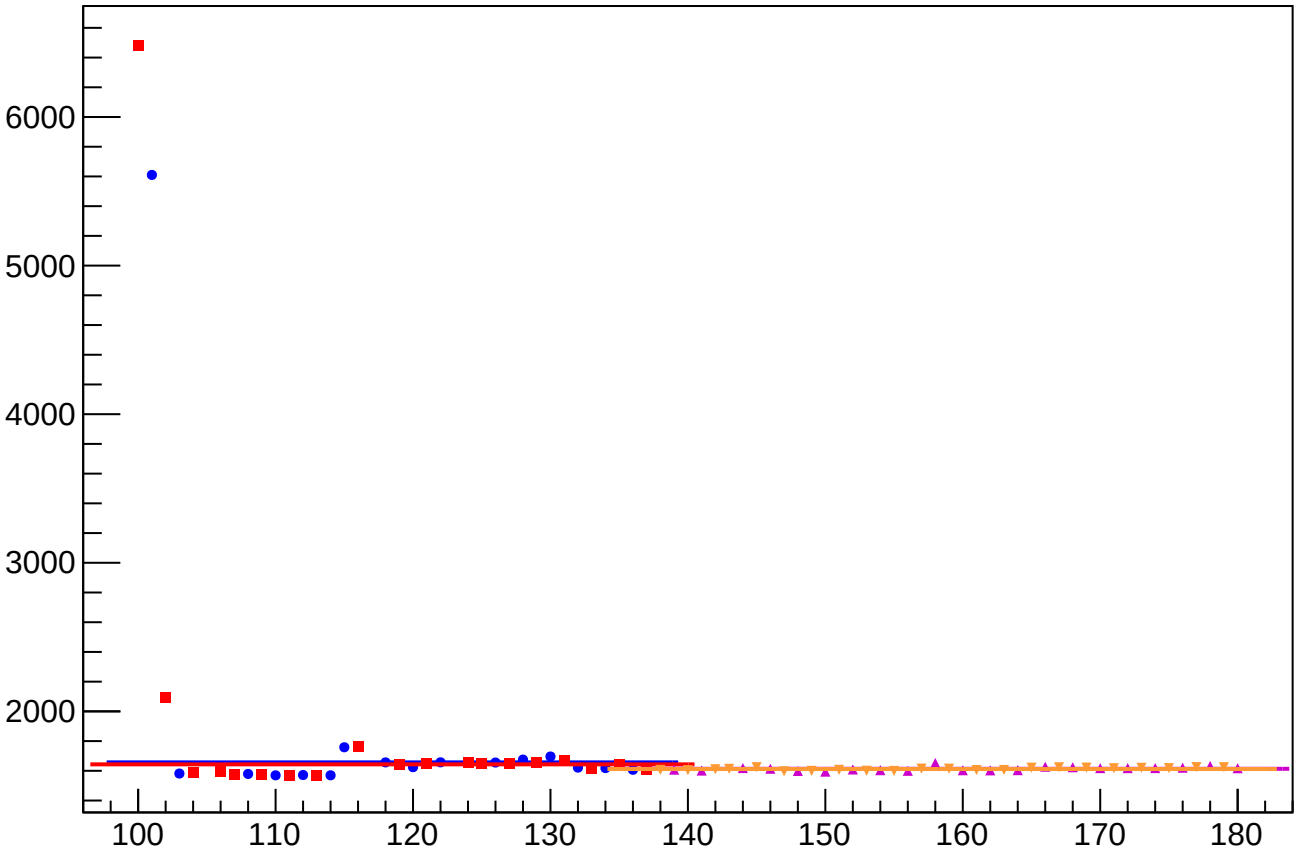
Left: 2289.452+/-273.618 χ^2/NDF: 55.0/42

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2350.736+/-330.682 χ^2/NDF:46.7/36

Out: 2272.041+/-325.736 χ^2/NDF:34.0/40

All: 2310.795+/-232.059 χ^2/NDF: 80.7/77



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

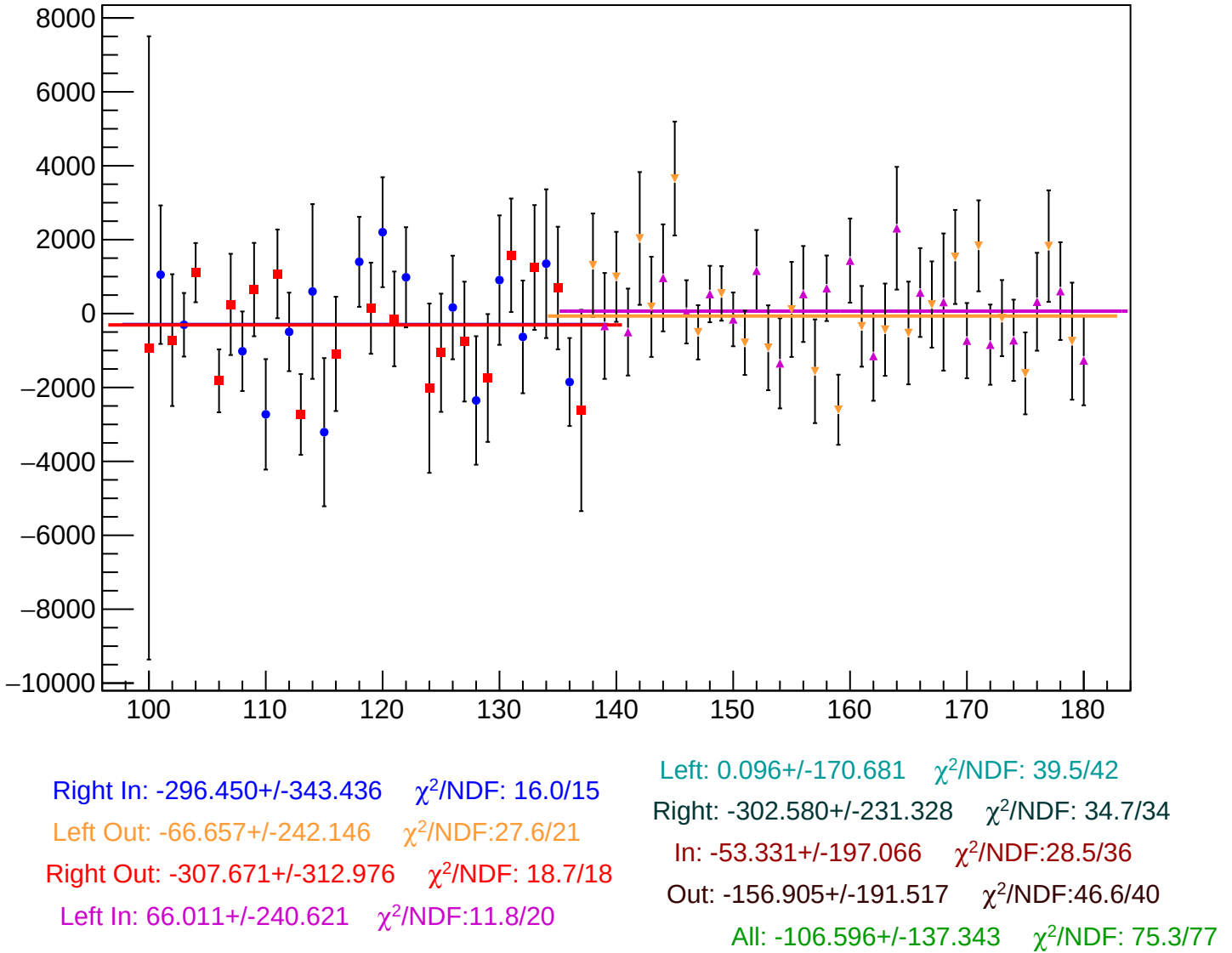
Left: 1612.837+/-0.193 χ^2/NDF: 3492.8/42

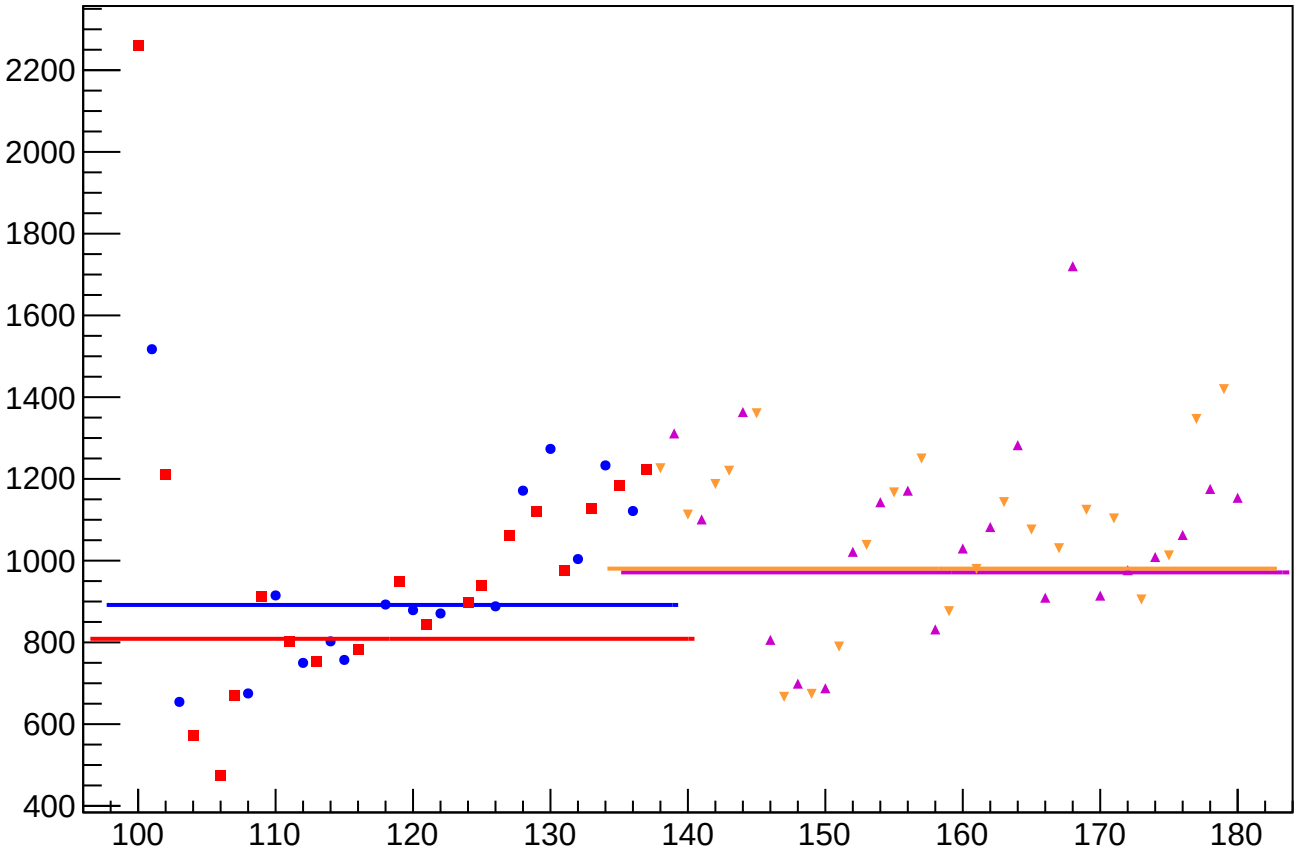
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.428+/-0.234 χ^2/NDF:675355.3/36

Out: 1621.081+/-0.230 χ^2/NDF:141906.1/40

All: 1623.221+/-0.164 χ^2/NDF: 817436.8/77


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -66.657+/-242.146 χ²/NDF:27.6/21
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 66.011+/-240.621 χ²/NDF:11.8/20
Left: 0.096+/-170.681 χ²/NDF: 39.5/42
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: -53.331+/-197.066 χ²/NDF:28.5/36
Out: -156.905+/-191.517 χ²/NDF:46.6/40
All: -106.596+/-137.343 χ²/NDF: 75.3/77



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 980.514+/-0.171 χ^2/NDF:1623086.5/21

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 971.233+/-0.170 χ^2/NDF:1590694.9/20

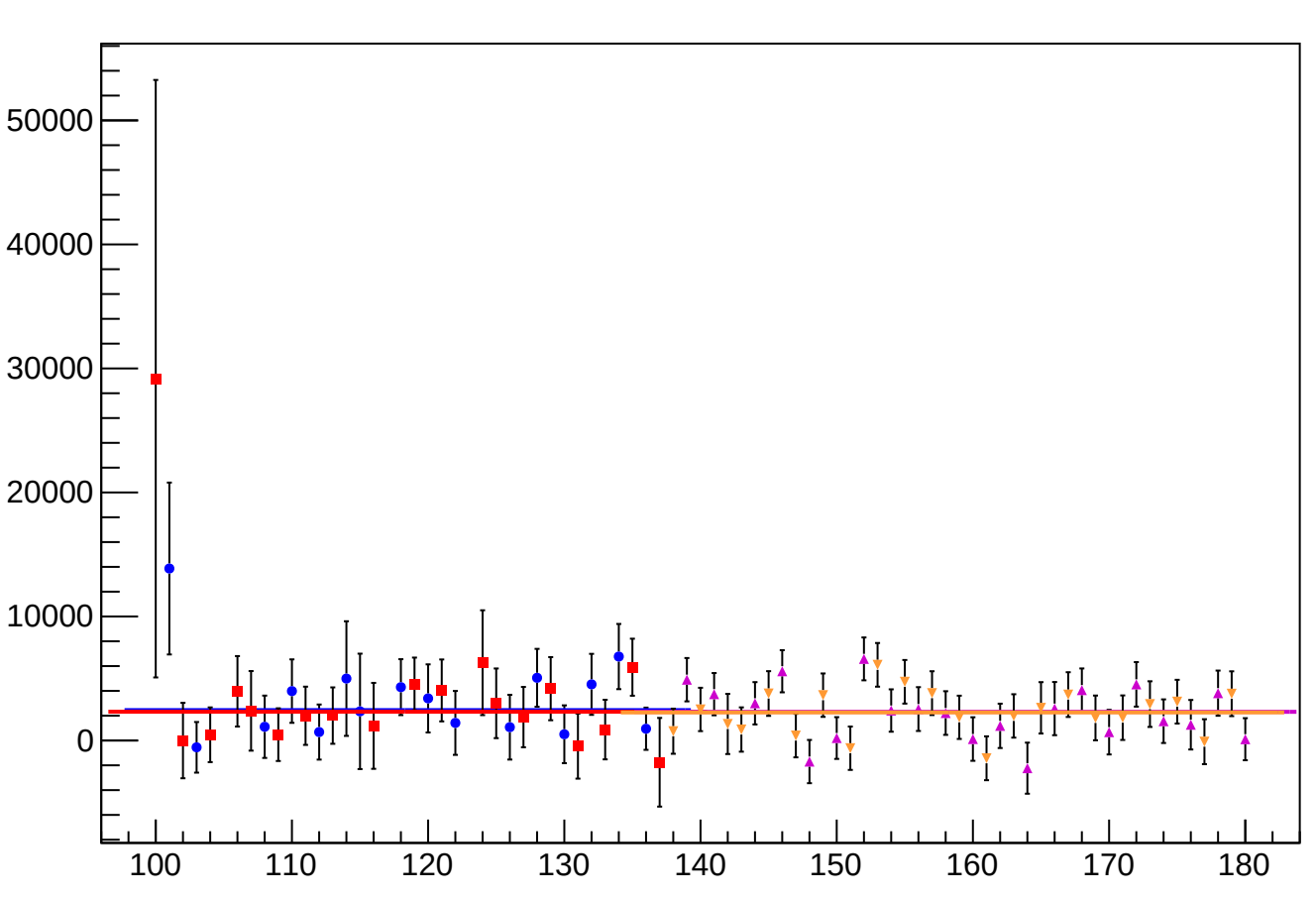
Left: 975.844+/-0.121 χ^2/NDF: 3215259.8/42

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 945.024+/-0.139 χ^2/NDF:2456657.0/36

Out: 916.220+/-0.135 χ^2/NDF:3083490.0/40

All: 930.211+/-0.097 χ^2/NDF: 5562122.4/77



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2313.093+/-388.448 χ^2/NDF:32.8/20

Left: 2289.466+/-273.618 χ^2/NDF: 55.0/42

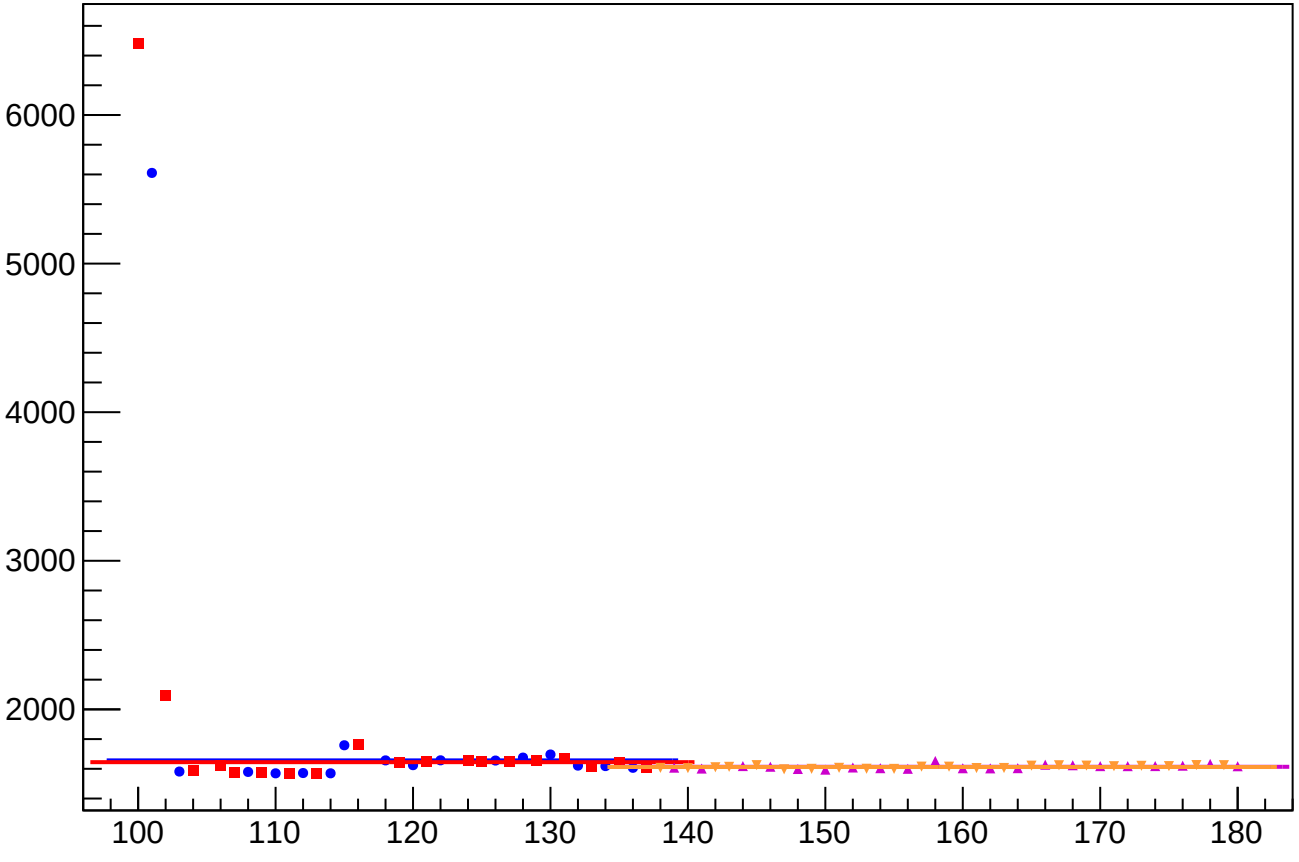
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2350.618+/-330.682 χ^2/NDF:46.7/36

Out: 2281.730+/-325.813 χ^2/NDF:34.2/40

All: 2315.663+/-232.087 χ^2/NDF: 80.9/77

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

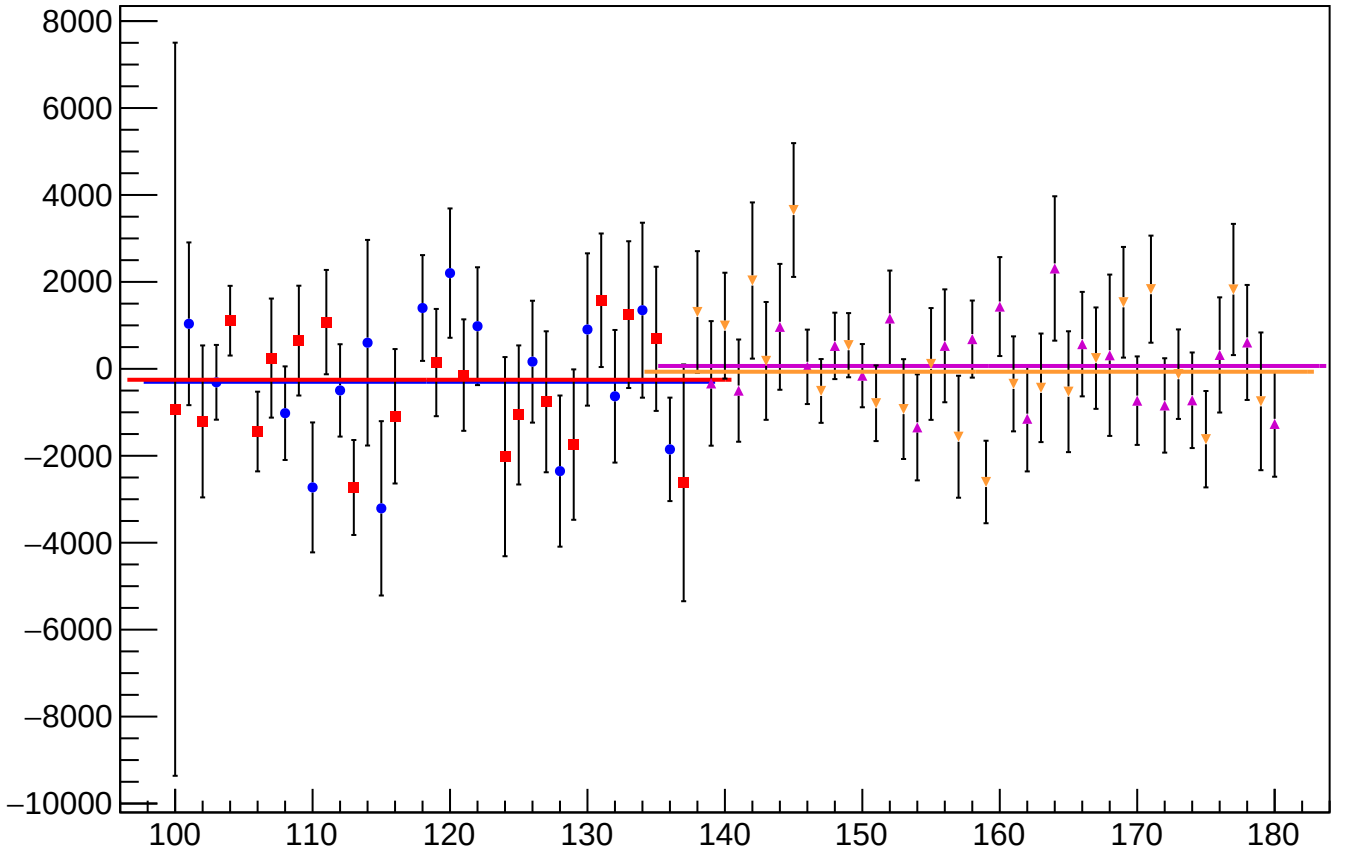
Left: 1612.837+/-0.193 χ^2/NDF: 3492.8/42

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.428+/-0.234 χ^2/NDF:675354.8/36

Out: 1621.442+/-0.230 χ^2/NDF:141706.9/40

All: 1623.405+/-0.164 χ^2/NDF: 817209.1/77



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 66.031+/-240.622 χ^2/NDF:11.8/20

Left: 0.079+/-170.681 χ^2/NDF: 39.5/42

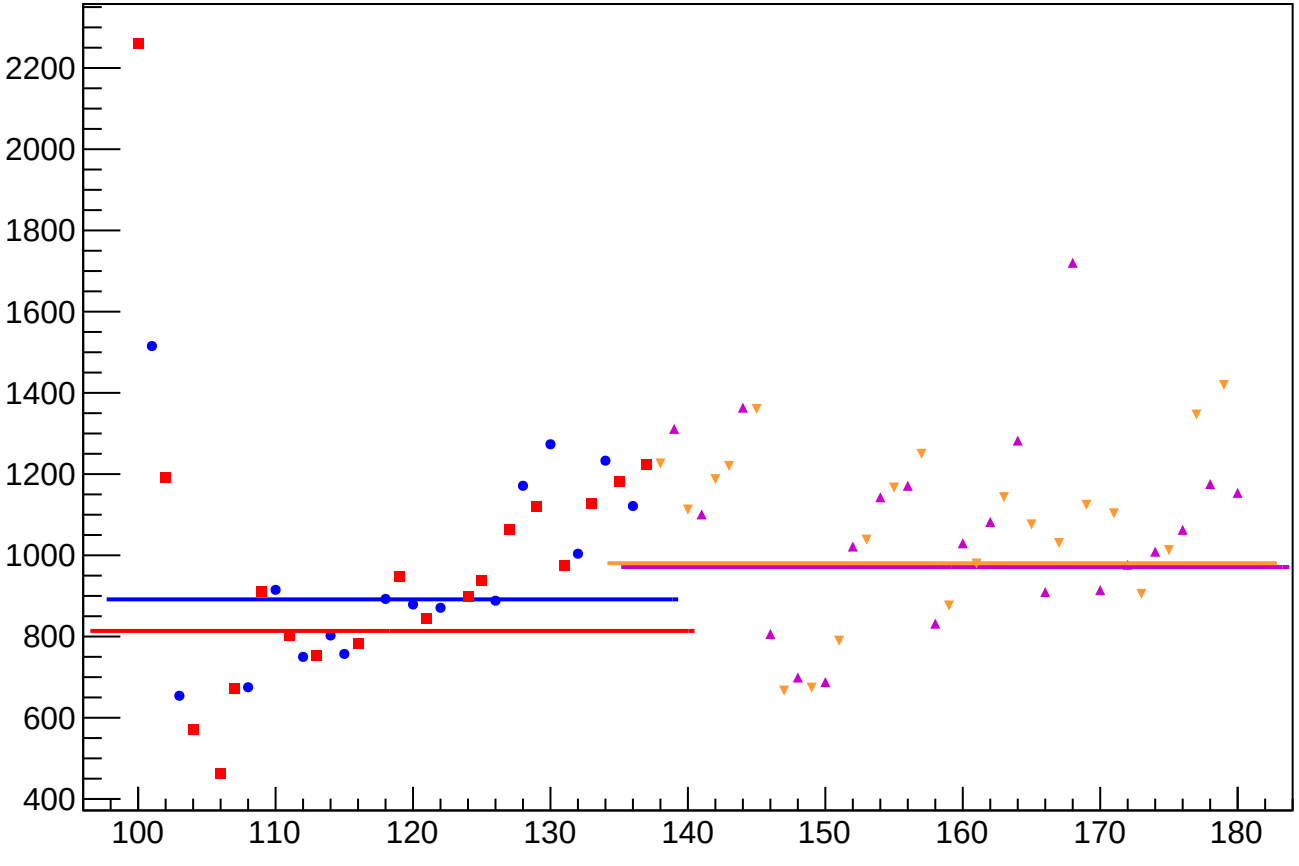
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -53.782+/-197.058 χ^2/NDF:28.5/36

Out: -135.043+/-192.147 χ^2/NDF:45.0/40

All: -95.438+/-137.572 χ^2/NDF: 73.6/77

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 980.506+/-0.171 χ^2/NDF:1623205.0/21

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

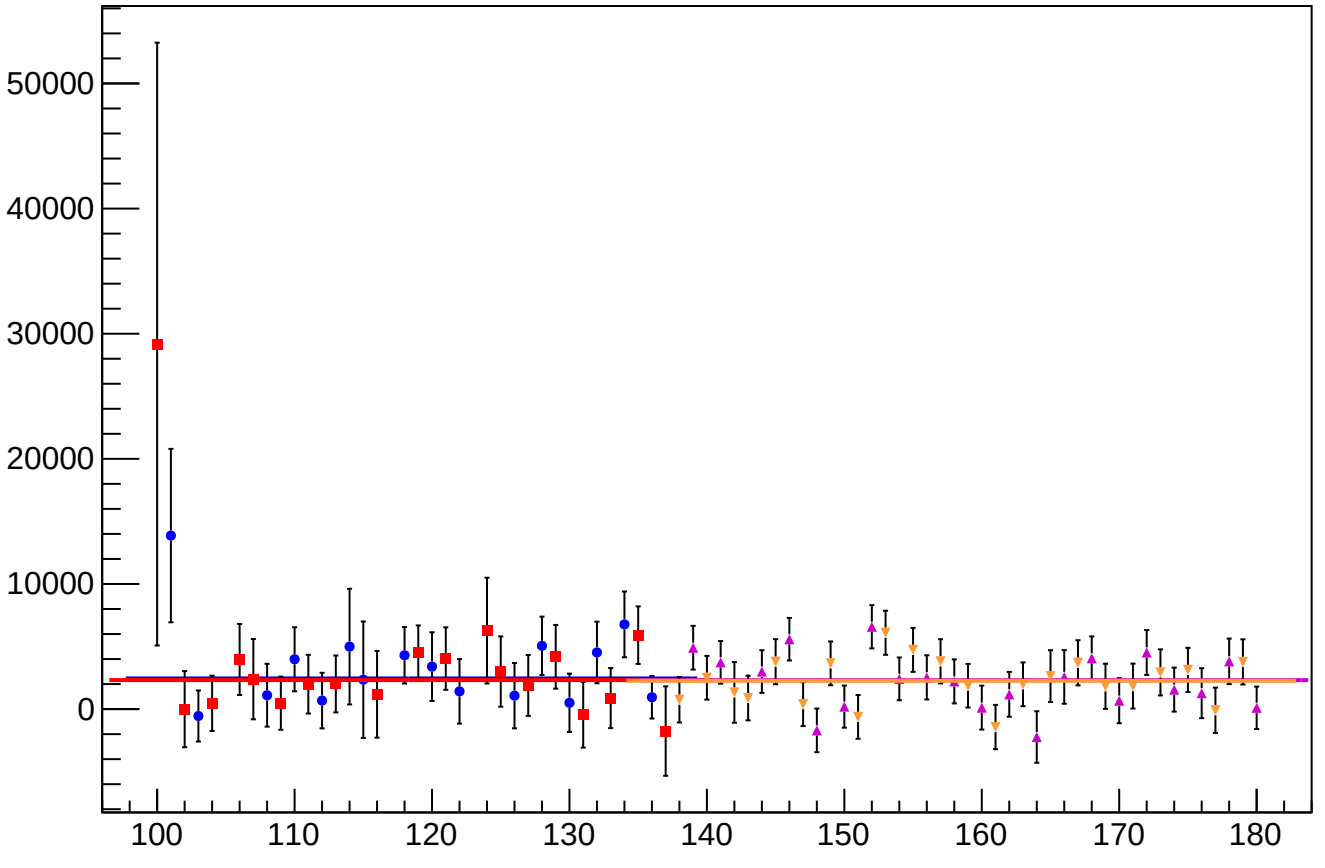
Left: 975.843+/-0.121 χ^2/NDF: 3215334.1/42

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 944.991+/-0.139 χ^2/NDF:2456581.9/36

Out: 918.773+/-0.136 χ^2/NDF:3027213.6/40

All: 931.551+/-0.097 χ^2/NDF: 5501942.6/77



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2313.093+/-388.448 χ^2/NDF:32.8/20

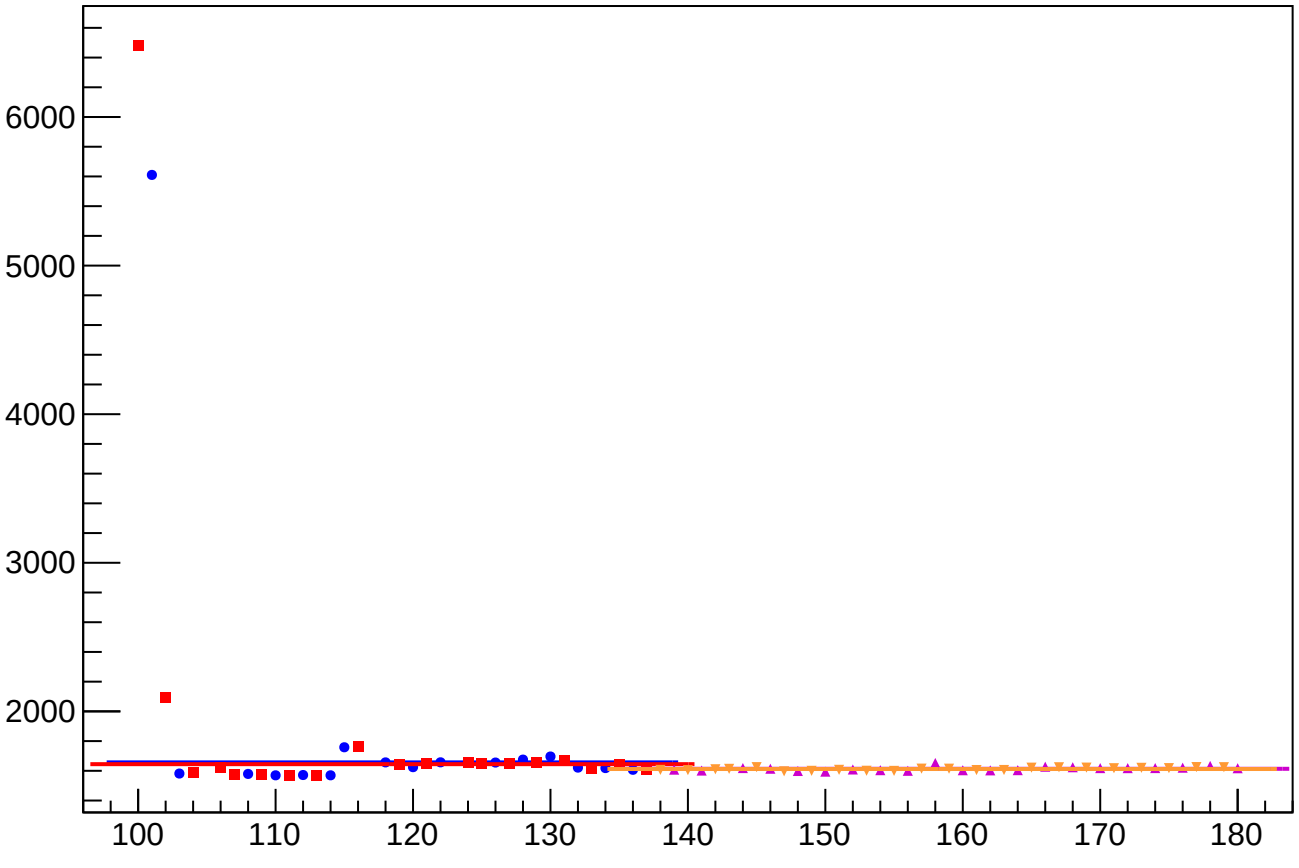
Left: 2289.466+/-273.618 χ^2/NDF: 55.0/42

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2350.618+/-330.682 χ^2/NDF:46.7/36

Out: 2281.730+/-325.813 χ^2/NDF:34.2/40

All: 2315.663+/-232.087 χ^2/NDF: 80.9/77



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.554+/-0.275 χ^2/NDF:2341.4/20

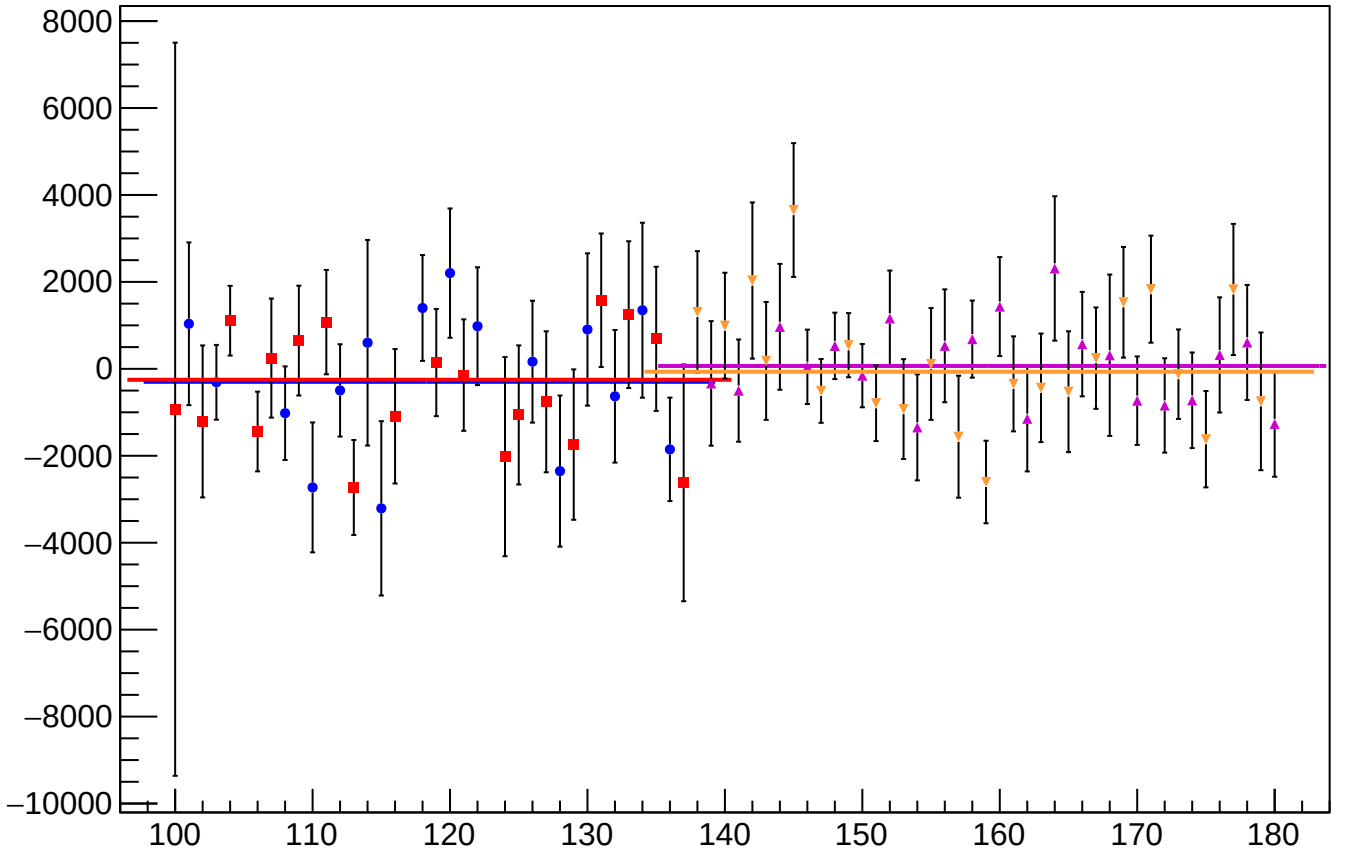
Left: 1612.837+/-0.193 χ^2/NDF: 3492.8/42

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.428+/-0.234 χ^2/NDF:675354.8/36

Out: 1621.442+/-0.230 χ^2/NDF:141706.9/40

All: 1623.405+/-0.164 χ^2/NDF: 817209.1/77



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 66.031+/-240.622 χ^2/NDF:11.8/20

Left: 0.079+/-170.681 χ^2/NDF: 39.5/42

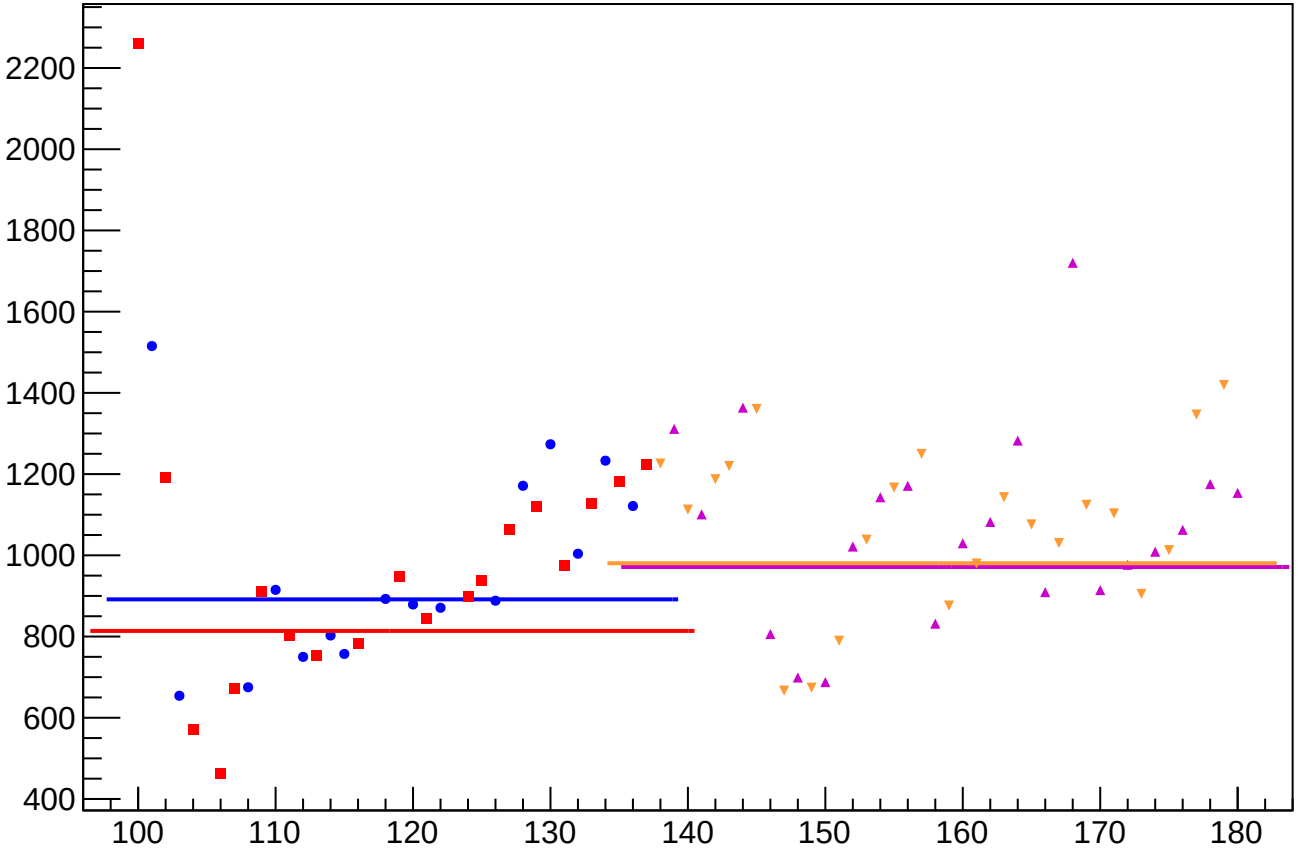
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -53.782+/-197.058 χ^2/NDF:28.5/36

Out: -135.043+/-192.147 χ^2/NDF:45.0/40

All: -95.438+/-137.572 χ^2/NDF: 73.6/77

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: 980.506+/-0.171 χ^2/NDF:1623205.0/21

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 971.239+/-0.170 χ^2/NDF:1590655.2/20

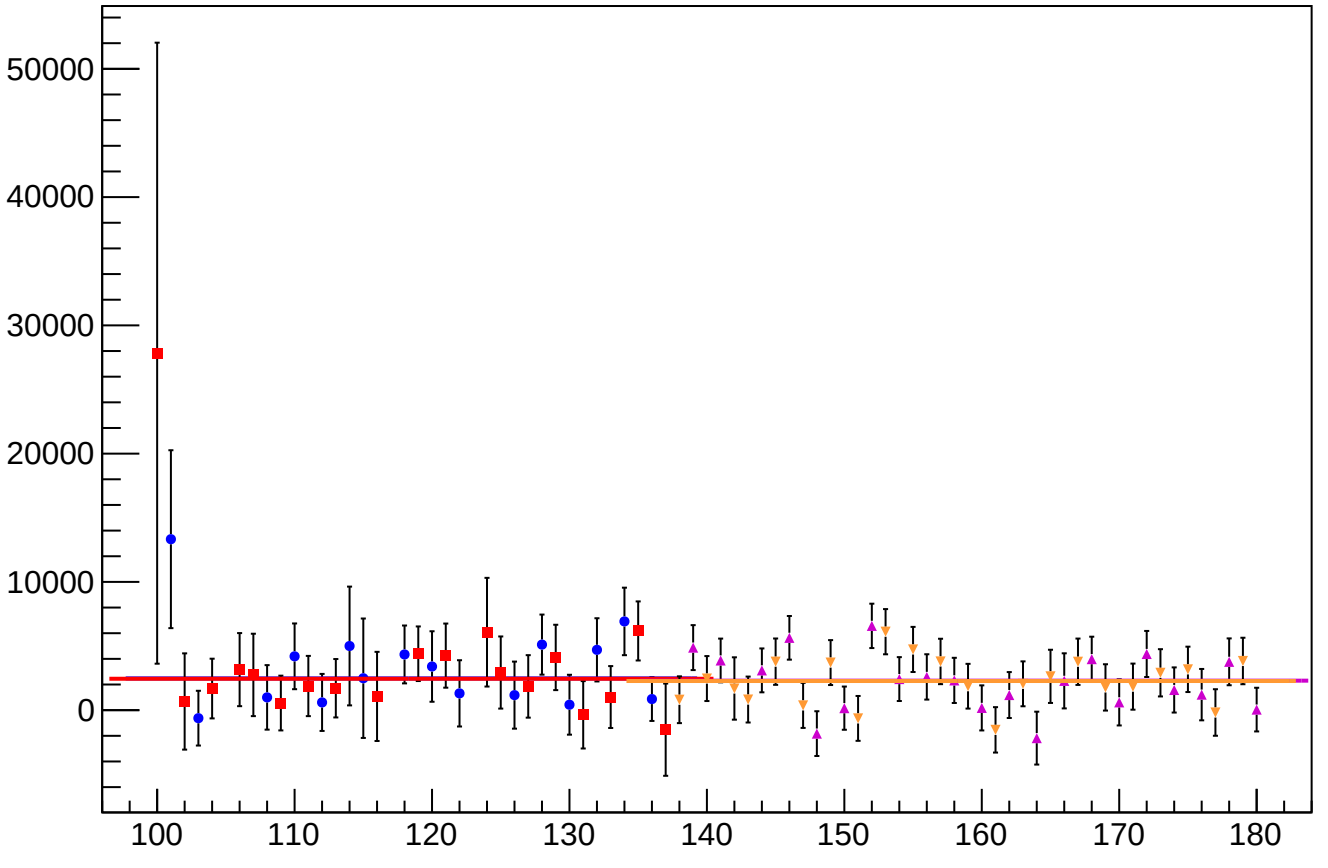
Left: 975.843+/-0.121 χ^2/NDF: 3215334.1/42

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 944.991+/-0.139 χ^2/NDF:2456581.9/36

Out: 918.773+/-0.136 χ^2/NDF:3027213.6/40

All: 931.551+/-0.097 χ^2/NDF: 5501942.6/77



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2300.194+/-389.039 χ^2/NDF:33.0/20

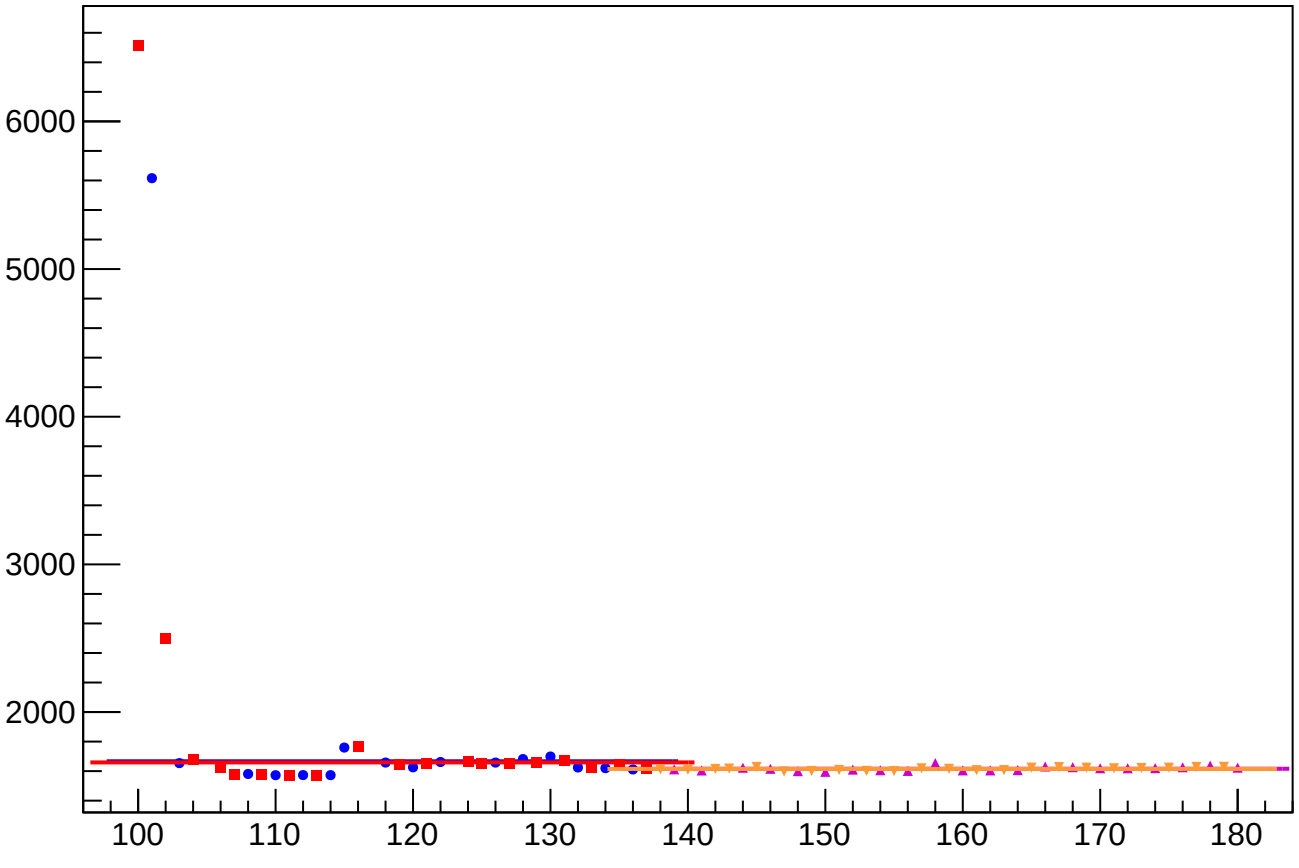
Left: 2286.472+/-274.051 χ^2/NDF: 55.7/42

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2348.088+/-331.569 χ^2/NDF:47.3/36

Out: 2322.450+/-327.384 χ^2/NDF:33.3/40

All: 2335.106+/-232.961 χ^2/NDF: 80.6/77



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

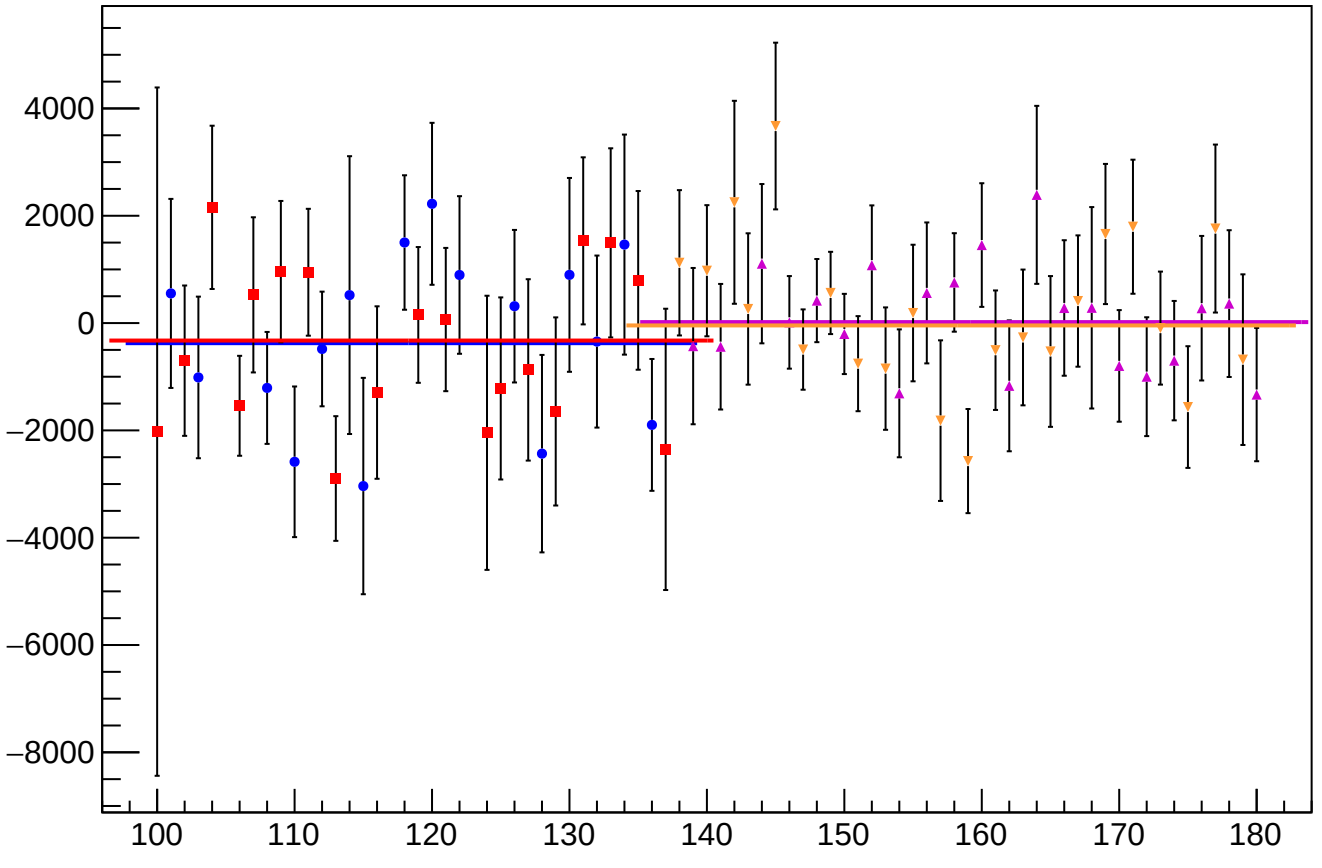
Left: 1615.377+/-0.194 χ^2/NDF: 3848.2/42

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.789+/-0.234 χ^2/NDF:674625.0/36

Out: 1627.199+/-0.231 χ^2/NDF:201916.2/40

All: 1628.477+/-0.165 χ^2/NDF: 876603.0/77



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -43.827+/-247.074 χ^2/NDF:26.7/21

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 18.080+/-244.630 χ^2/NDF:11.9/20

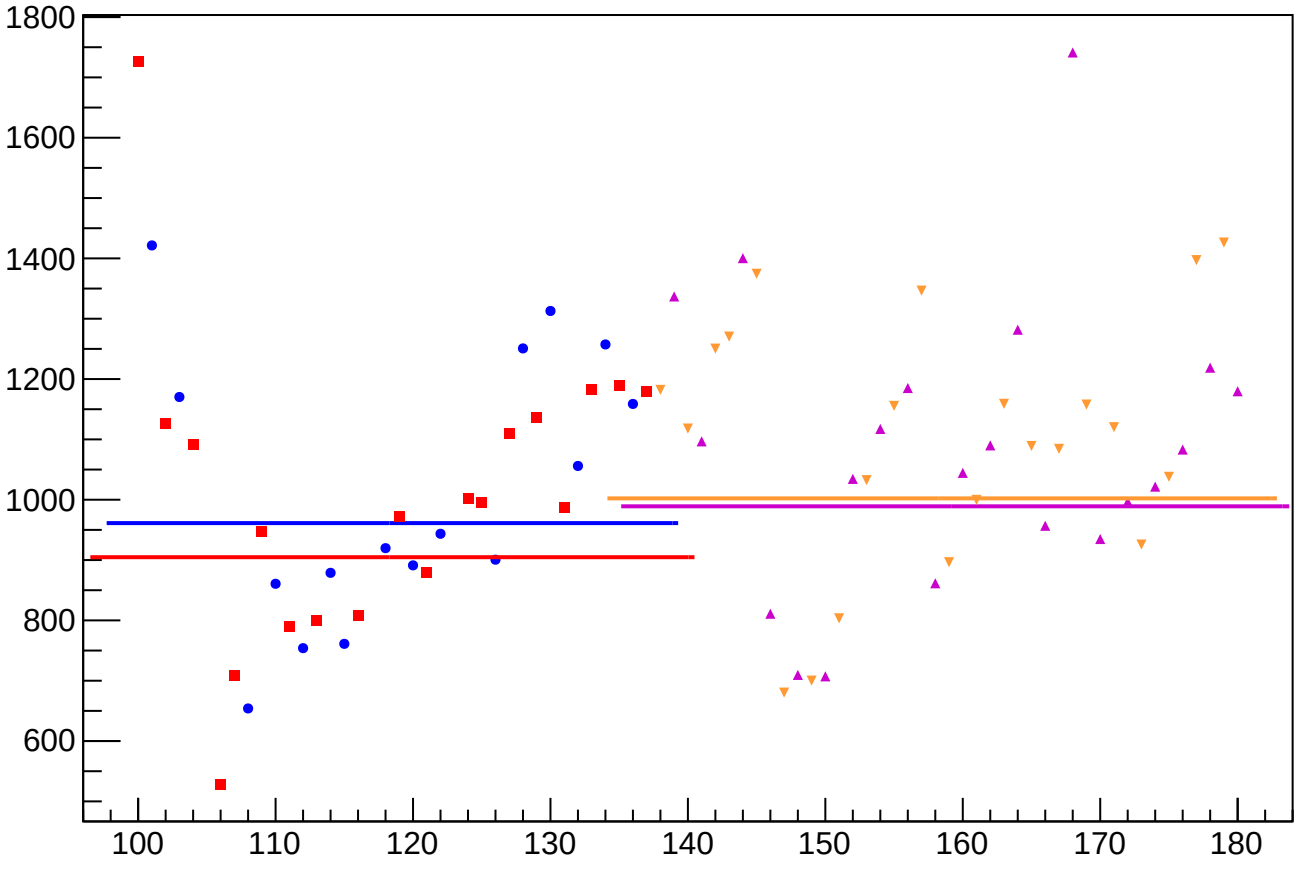
Left: -12.566+/-173.837 χ^2/NDF: 38.6/42

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -102.288+/-203.715 χ^2/NDF:28.4/36

Out: -140.995+/-199.999 χ^2/NDF:44.5/40

All: -121.997+/-142.716 χ^2/NDF: 72.9/77



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1002.252+/-0.175 χ^2/NDF:1591637.6/21

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 989.073+/-0.173 χ^2/NDF:1547340.5/20

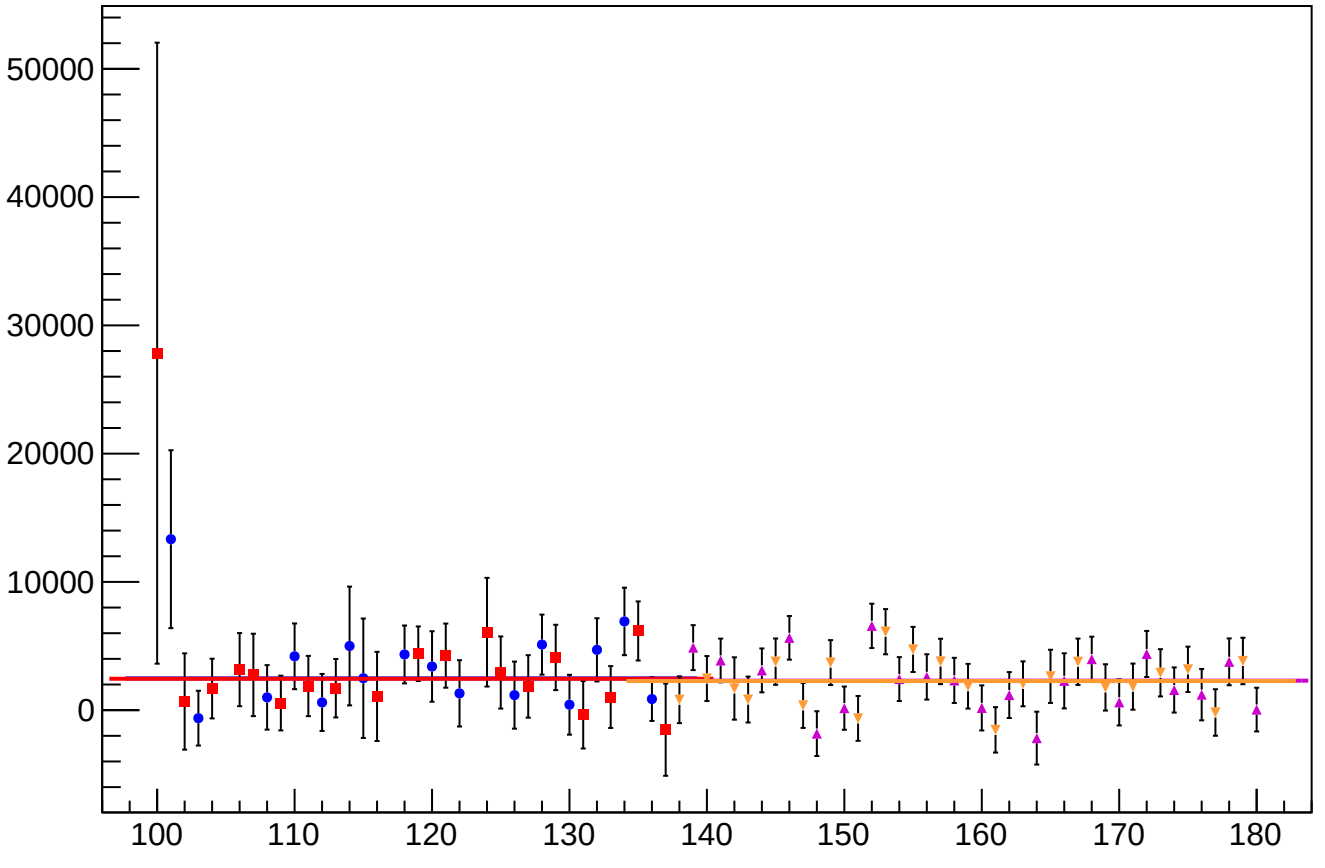
Left: 995.597+/-0.123 χ^2/NDF: 3141851.6/42

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 980.542+/-0.144 χ^2/NDF:2247150.8/36

Out: 968.633+/-0.141 χ^2/NDF:2435531.3/40

All: 974.478+/-0.101 χ^2/NDF: 4686162.7/77



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2300.195+/-389.039 χ^2/NDF:33.0/20

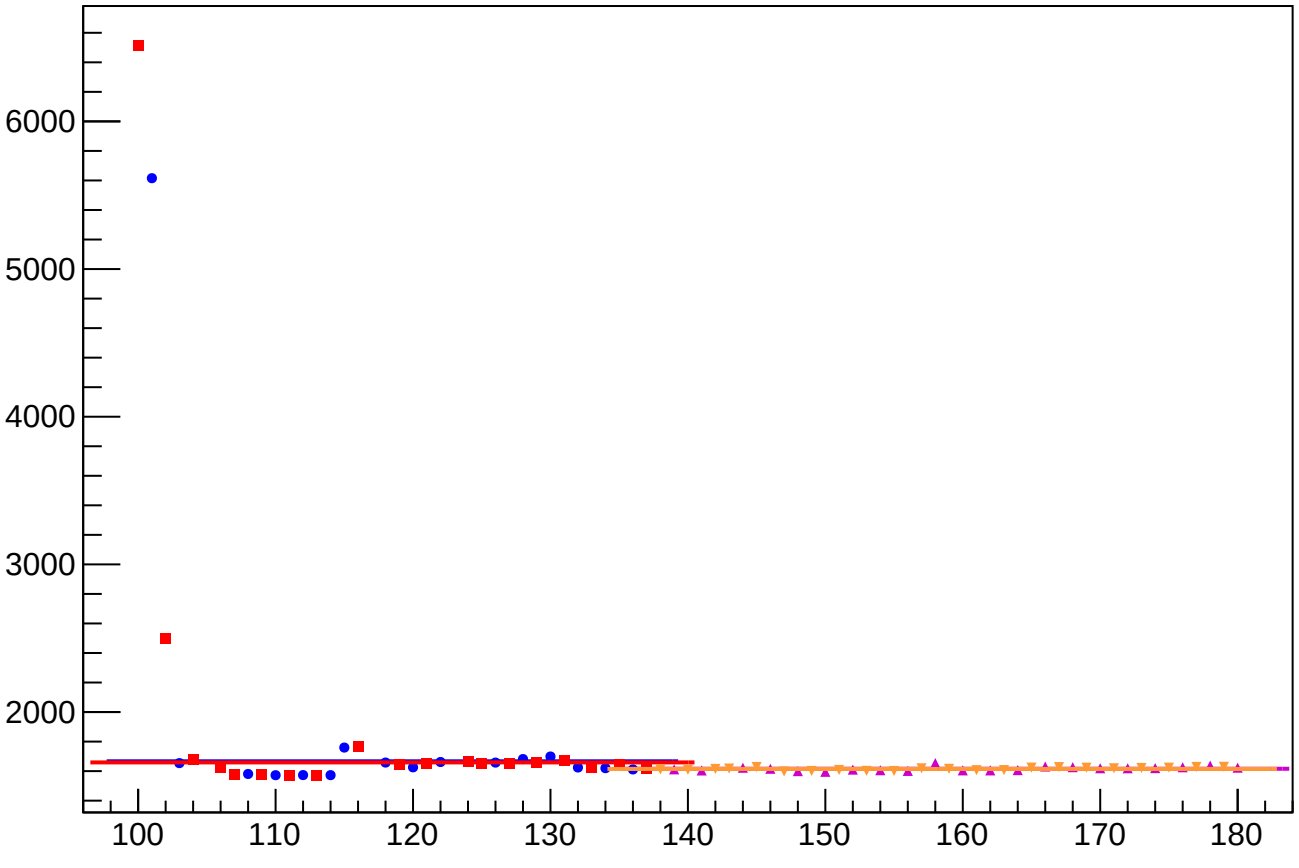
Left: 2286.472+/-274.051 χ^2/NDF: 55.7/42

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2348.088+/-331.569 χ^2/NDF:47.3/36

Out: 2322.450+/-327.384 χ^2/NDF:33.3/40

All: 2335.106+/-232.961 χ^2/NDF: 80.6/77



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.997+/-0.275 χ^2/NDF:2525.1/20

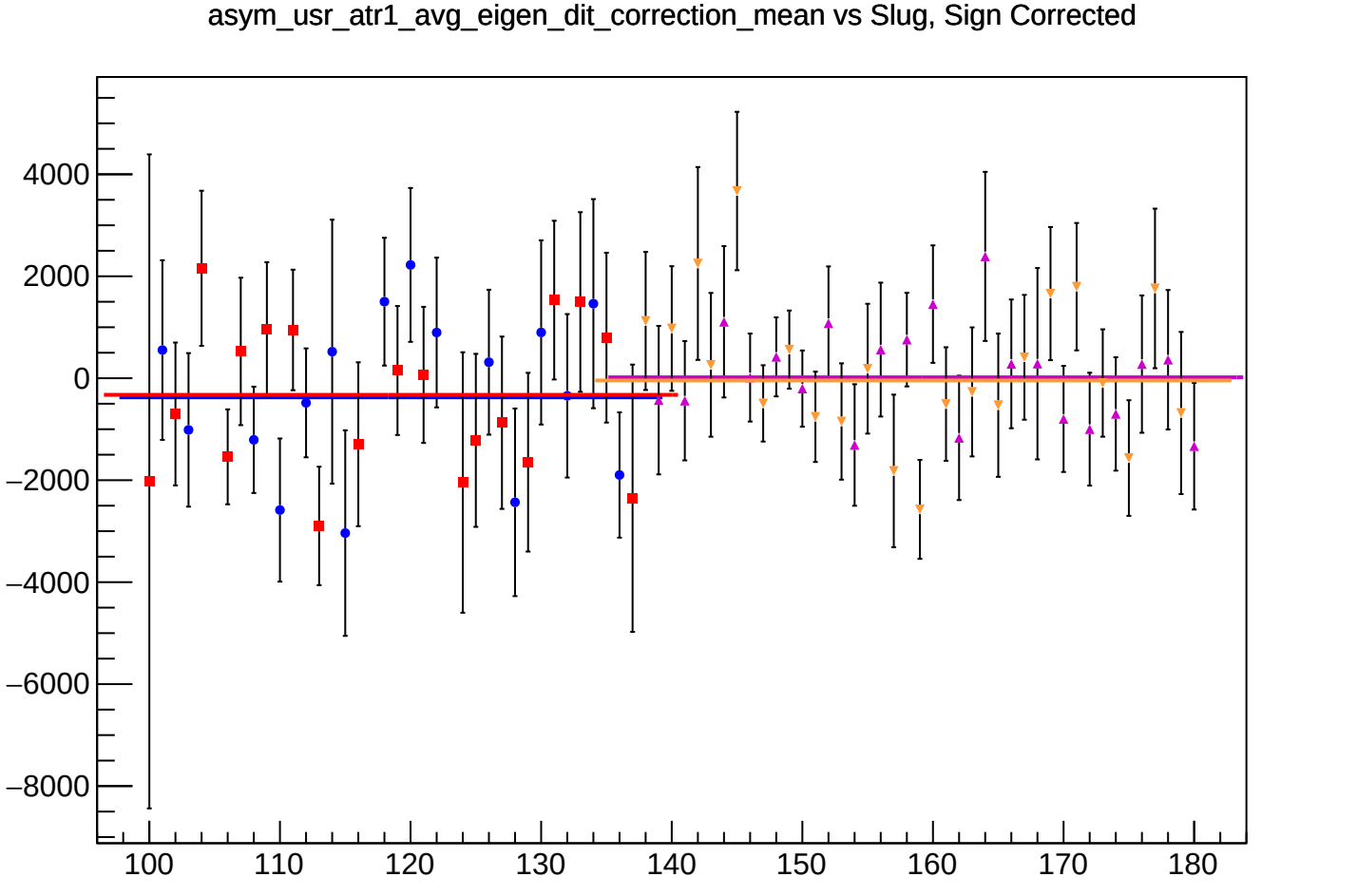
Left: 1615.377+/-0.194 χ^2/NDF: 3848.2/42

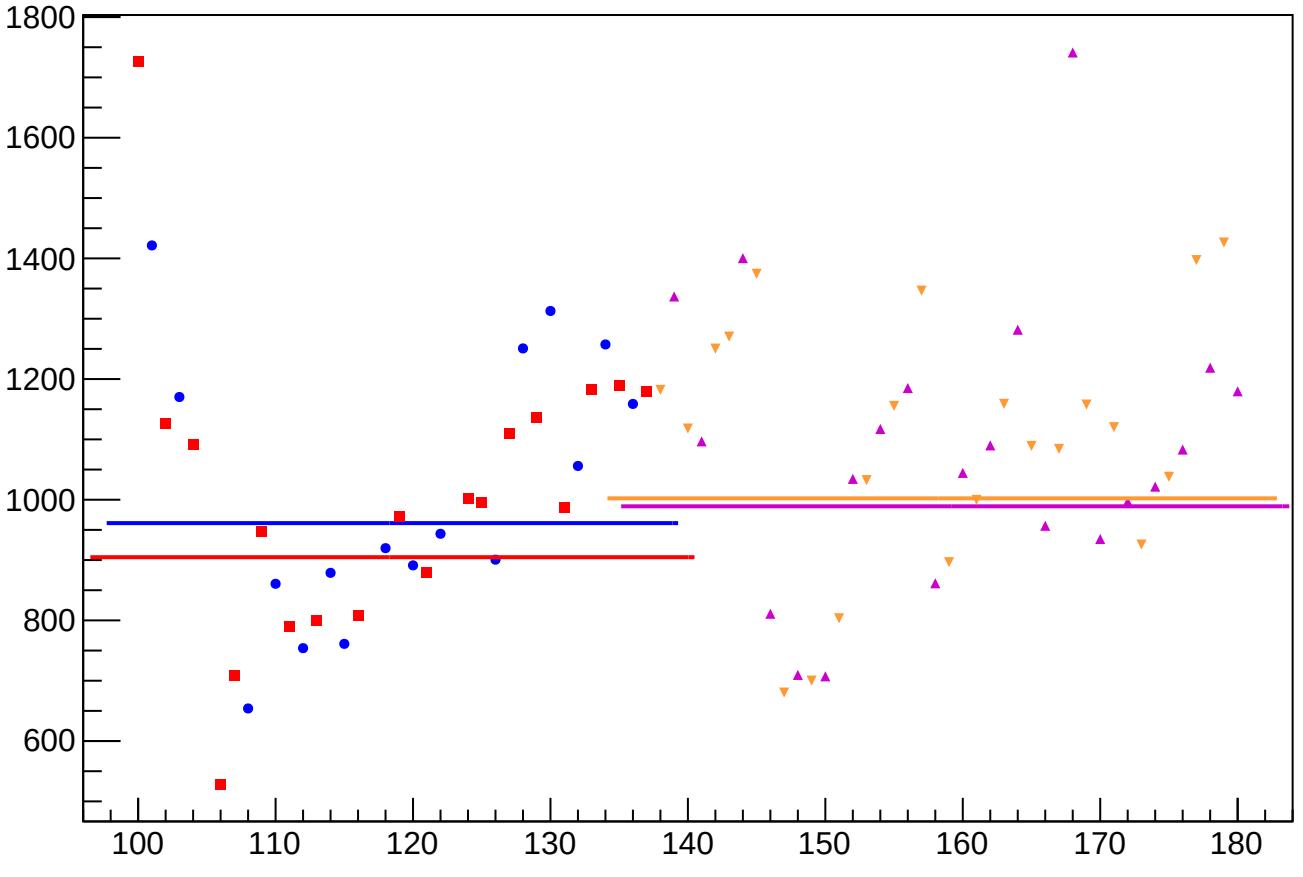
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.789+/-0.234 χ^2/NDF:674625.0/36

Out: 1627.199+/-0.231 χ^2/NDF:201916.0/40

All: 1628.477+/-0.165 χ^2/NDF: 876602.7/77


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -43.828+/-247.074 χ²/NDF:26.7/21
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 18.081+/-244.630 χ²/NDF:11.9/20
Left: -12.566+/-173.837 χ²/NDF: 38.6/42
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -102.288+/-203.715 χ²/NDF:28.4/36
Out: -140.996+/-199.999 χ²/NDF:44.5/40
All: -121.998+/-142.716 χ²/NDF: 72.9/77



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1002.254+/-0.175 χ^2/NDF:1591639.6/21

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 989.075+/-0.173 χ^2/NDF:1547342.9/20

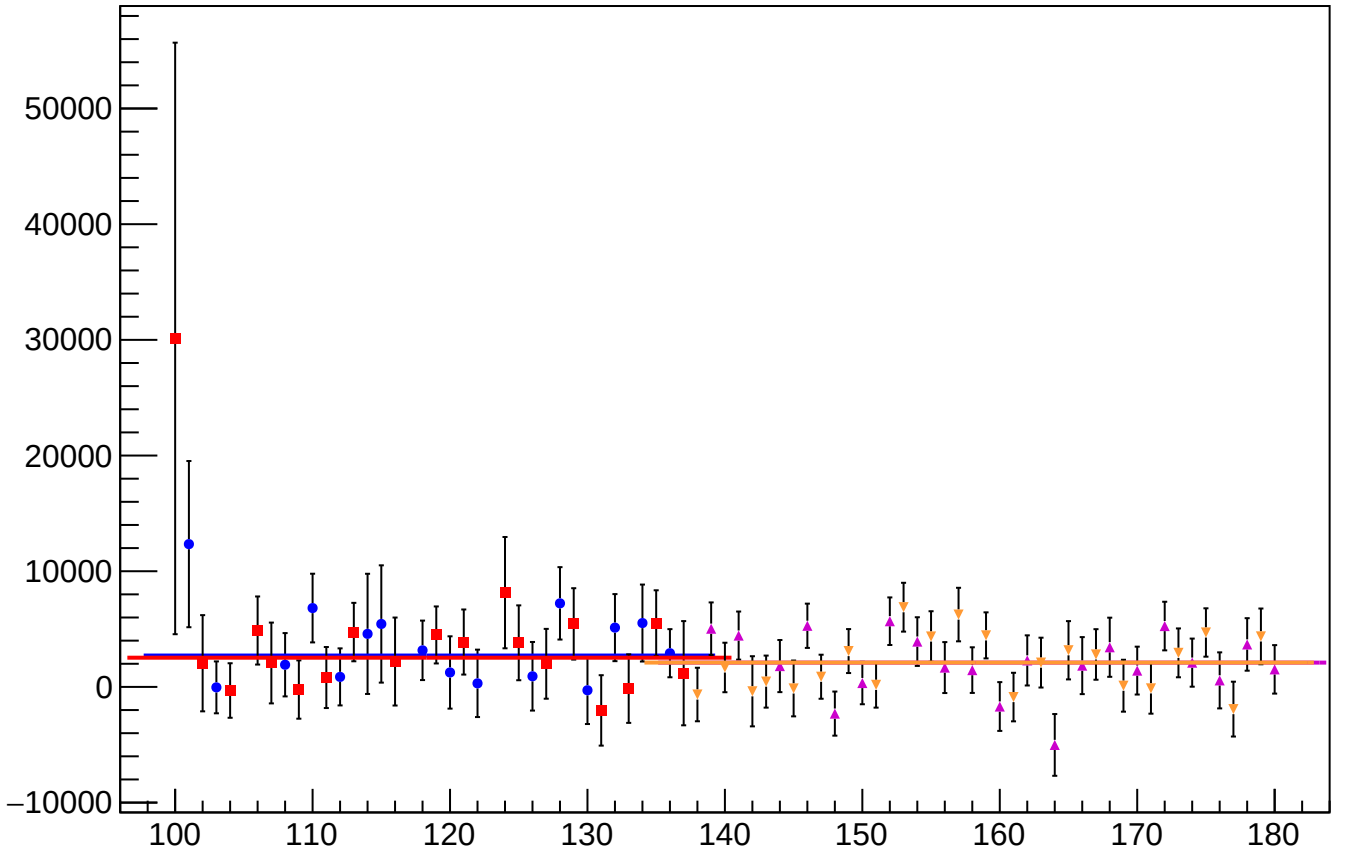
Left: 995.599+/-0.123 χ^2/NDF: 3141855.9/42

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 980.542+/-0.144 χ^2/NDF:2247164.5/36

Out: 968.633+/-0.141 χ^2/NDF:2435541.0/40

All: 974.478+/-0.101 χ^2/NDF: 4686186.0/77



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2103.896+/-466.881 χ^2/NDF:25.6/21

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2100.367+/-467.626 χ^2/NDF:29.9/20

Left: 2102.134+/-330.398 χ^2/NDF: 55.5/42

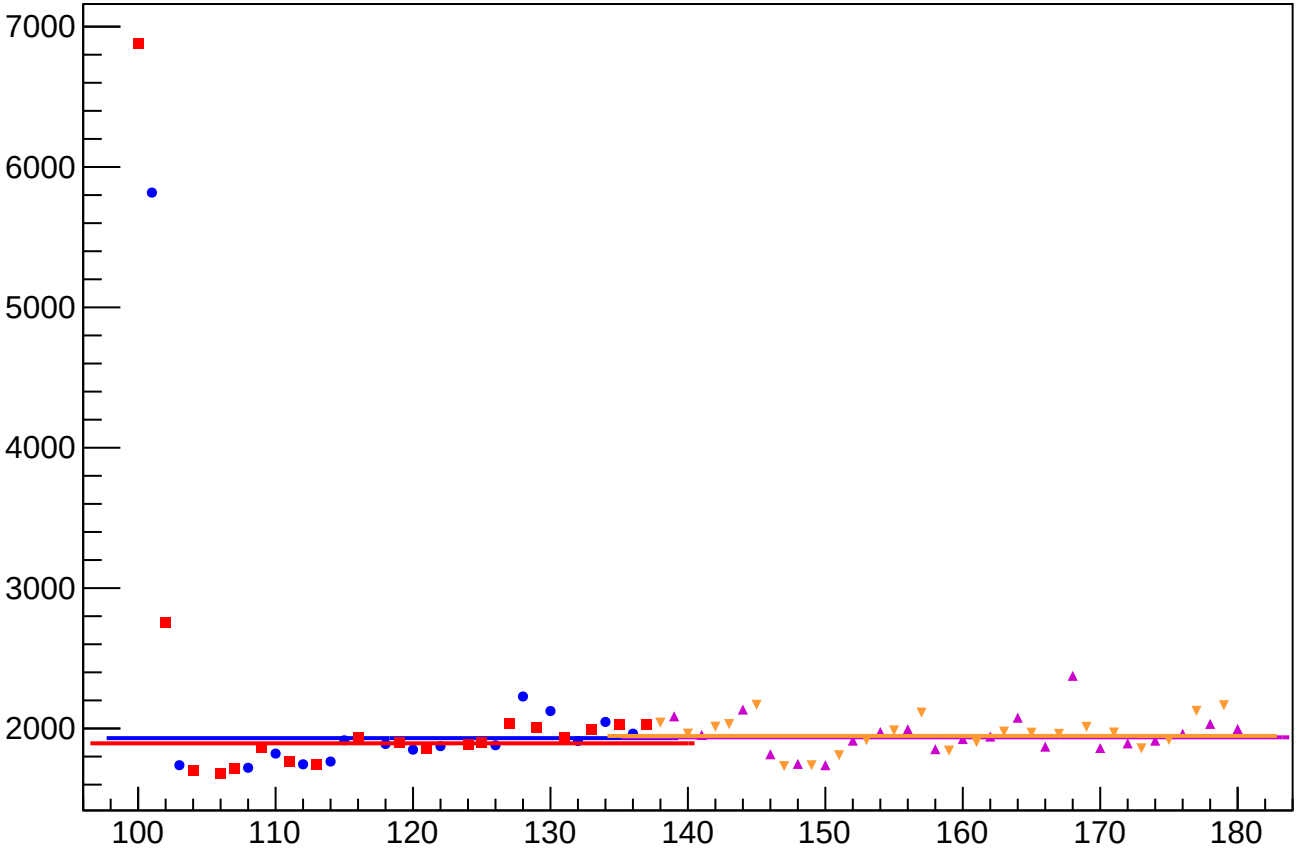
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2276.402+/-394.556 χ^2/NDF:42.5/36

Out: 2232.071+/-389.505 χ^2/NDF:39.1/40

All: 2253.951+/-277.190 χ^2/NDF: 81.6/77

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1946.945+/-0.330 χ^2/NDF:135592.8/21

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1936.927+/-0.331 χ^2/NDF:156108.6/20

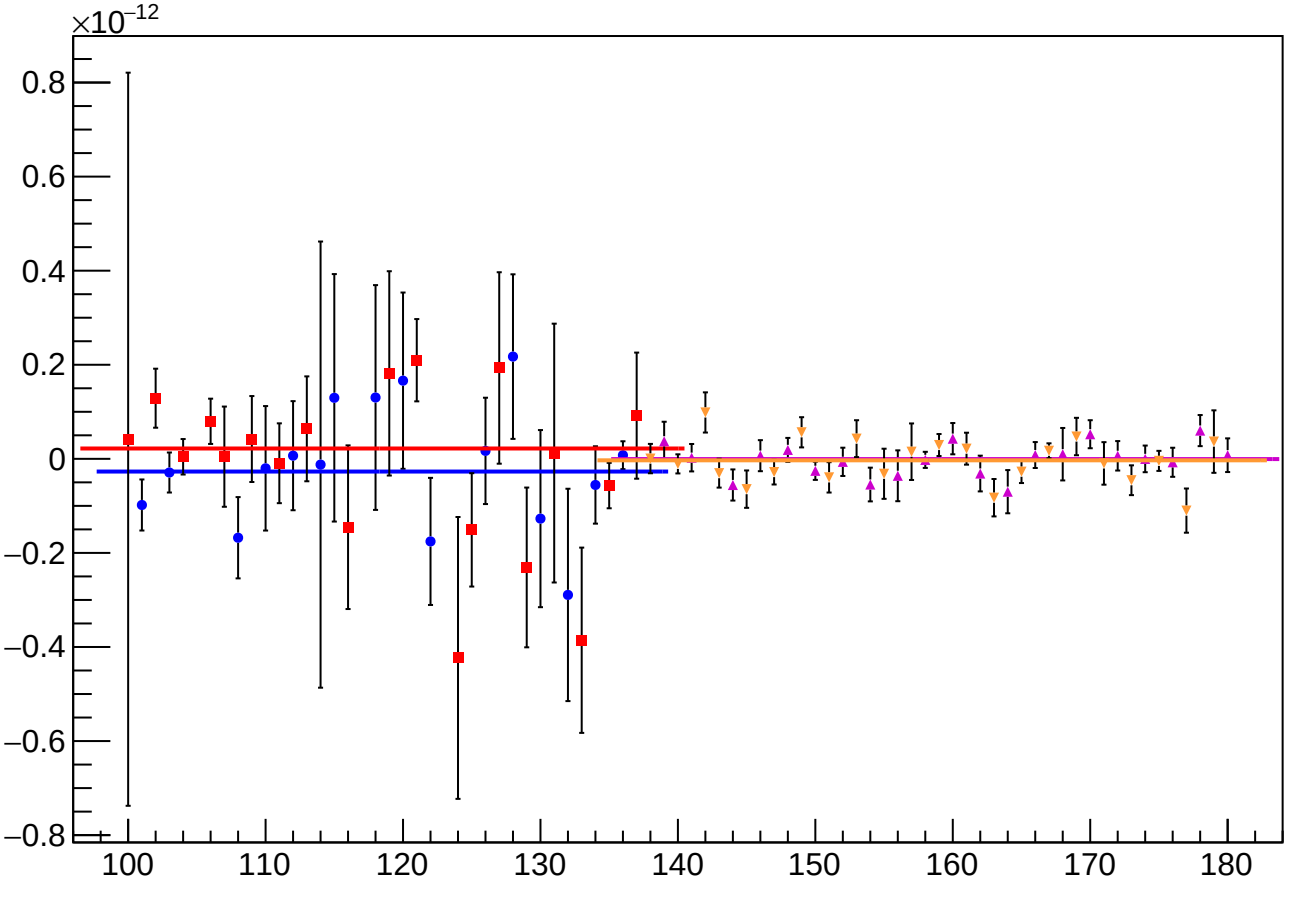
Left: 1941.944+/-0.234 χ^2/NDF: 292161.1/42

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1935.291+/-0.279 χ^2/NDF:817420.5/36

Out: 1930.956+/-0.275 χ^2/NDF:363850.0/40

All: 1933.096+/-0.196 χ^2/NDF: 1181392.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:20.1/20

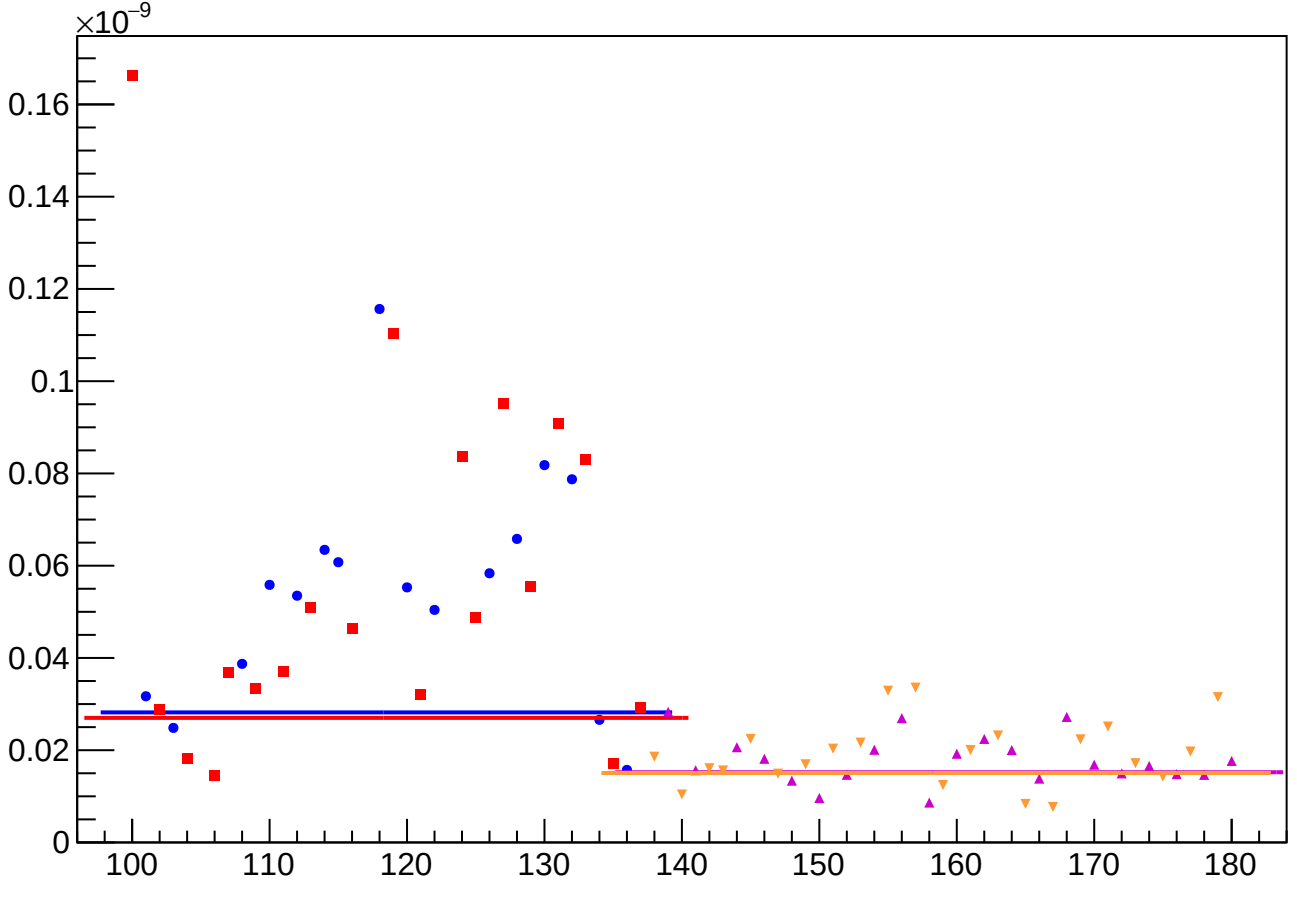
Left: -0.000+/-0.000 χ^2/NDF: 54.6/42

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:34.5/36

Out: -0.000+/-0.000 χ^2/NDF:61.3/40

All: -0.000+/-0.000 χ^2/NDF: 96.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1790306.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1114270.8/20

Left: 0.000+/-0.000 χ^2/NDF: 2905174.2/42

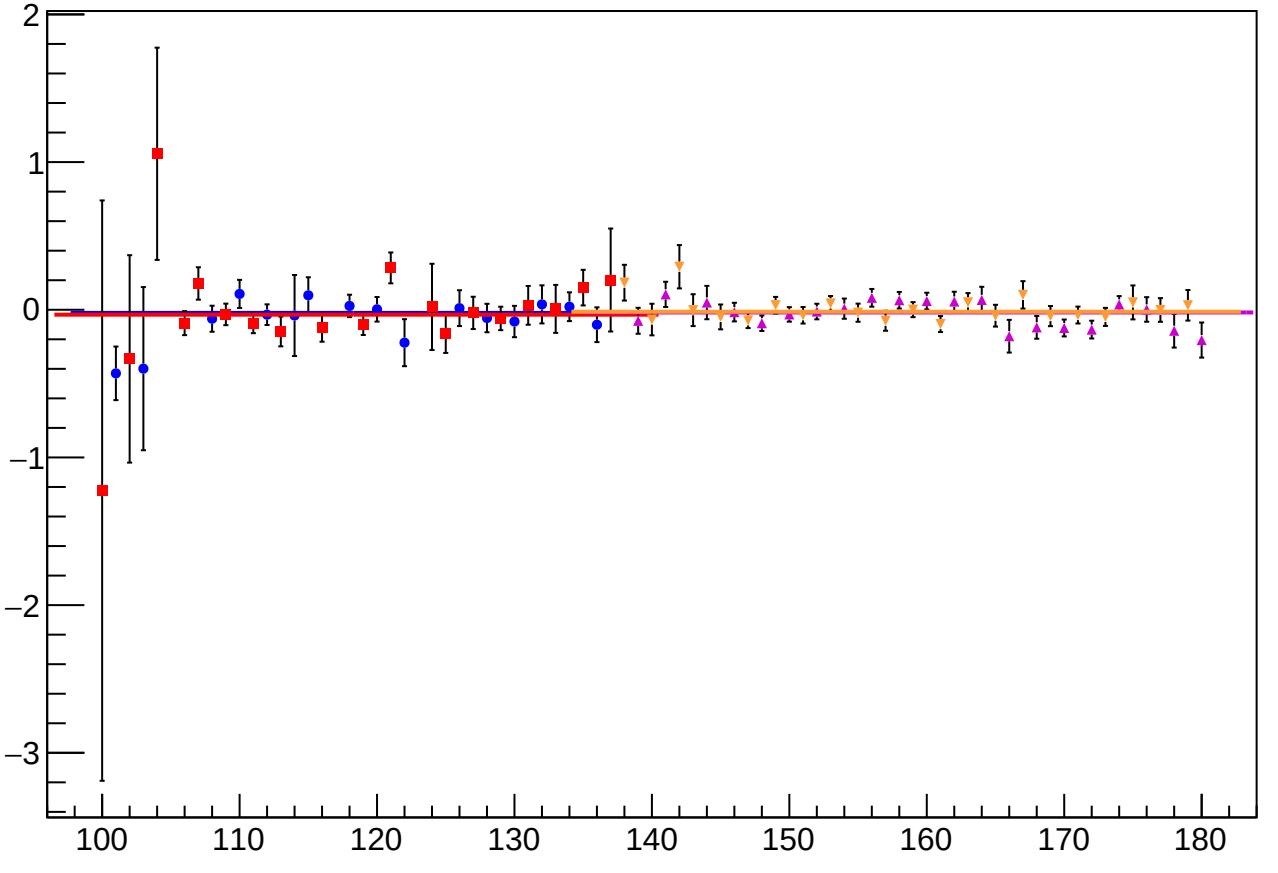
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3425565.0/36

Out: 0.000+/-0.000 χ^2/NDF:4032013.8/40

All: 0.000+/-0.000 χ^2/NDF: 7460608.7/77

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: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.015 χ^2/NDF:29.4/20

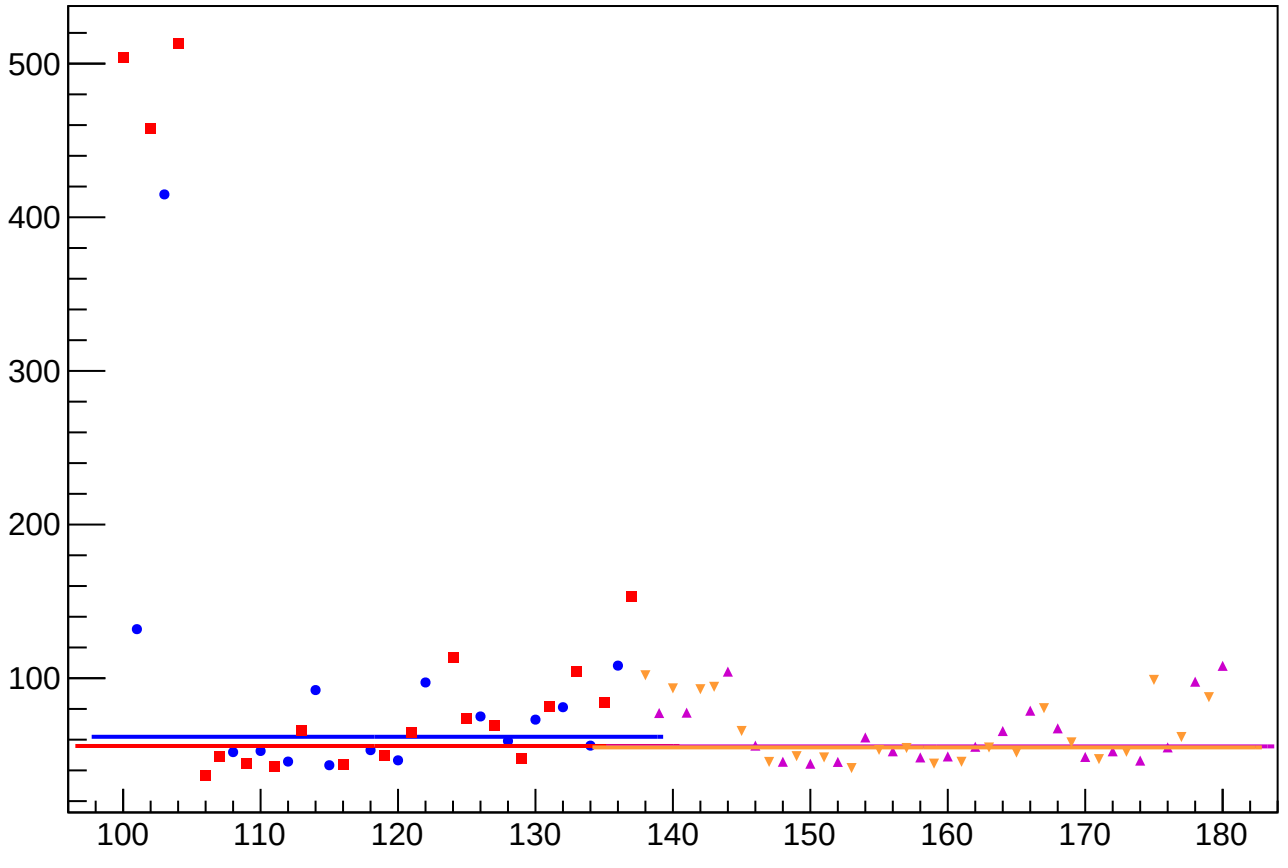
Left: -0.016+/-0.010 χ^2/NDF: 47.3/42

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.013 χ^2/NDF:41.4/36

Out: -0.019+/-0.013 χ^2/NDF:42.7/40

All: -0.019+/-0.009 χ^2/NDF: 84.1/77



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.970+/-0.010 χ^2/NDF:2100960.9/21

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

Left: 55.295+/-0.007 χ^2/NDF: 3969476.0/42

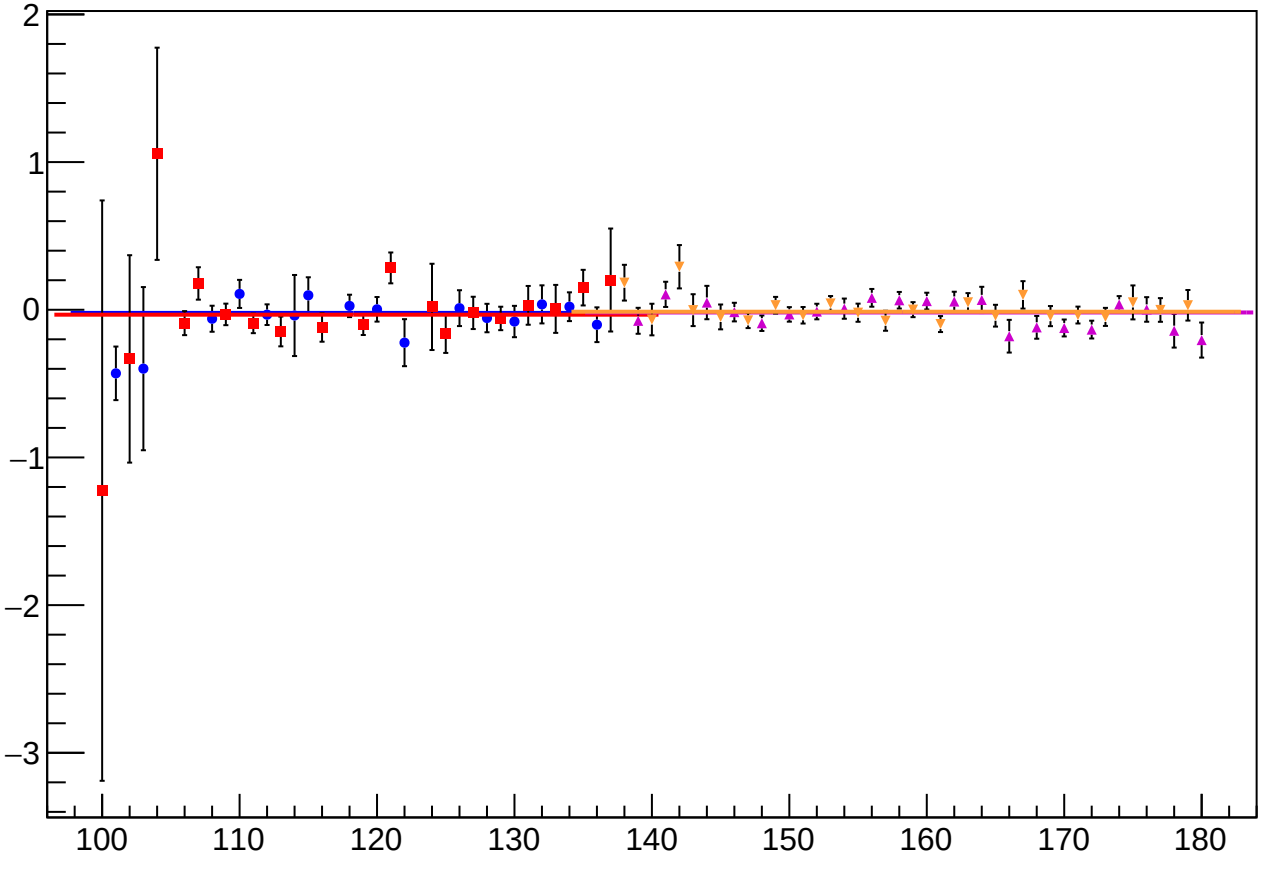
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.088+/-0.009 χ^2/NDF:3889348.4/36

Out: 55.209+/-0.009 χ^2/NDF:4694294.4/40

All: 56.125+/-0.006 χ^2/NDF: 8605556.7/77

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: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.015 χ^2/NDF:29.4/20

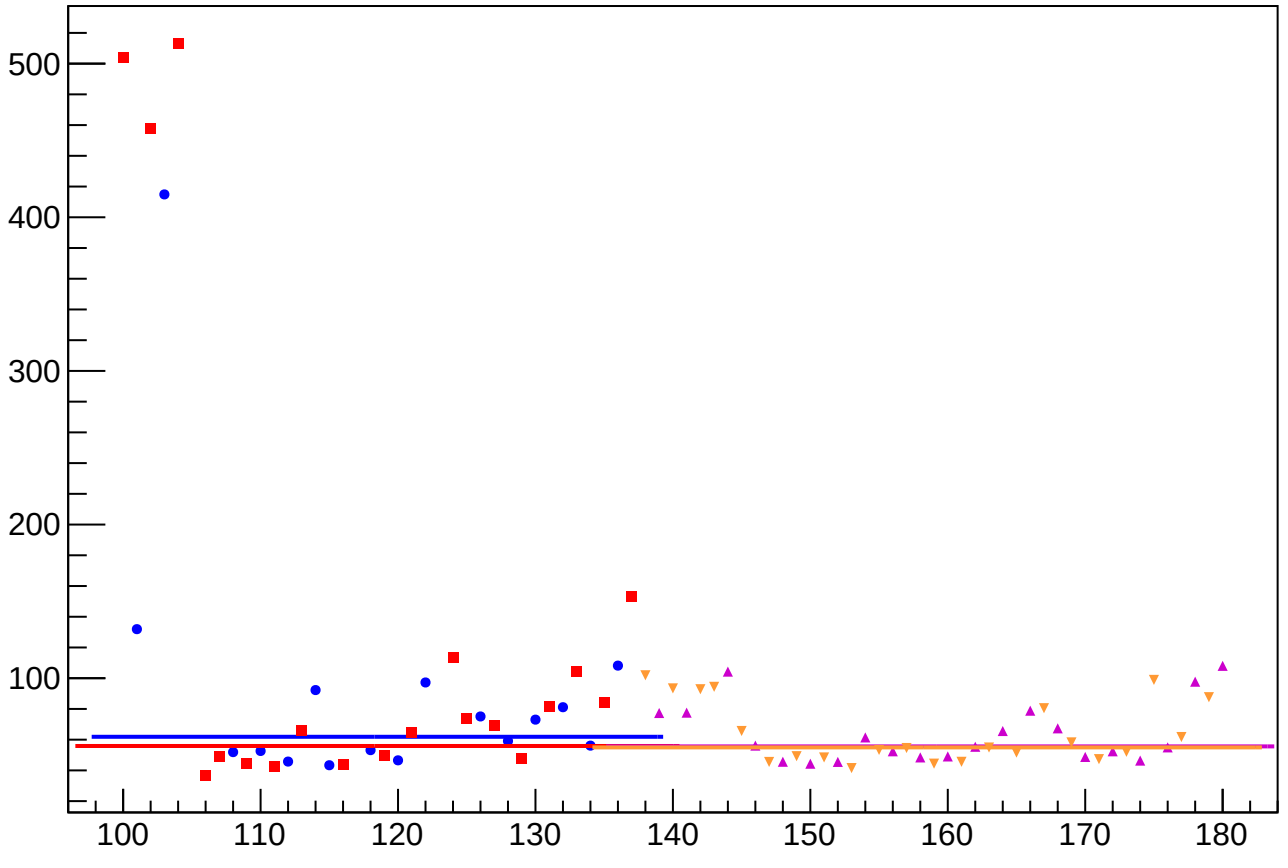
Left: -0.016+/-0.010 χ^2/NDF: 47.3/42

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.013 χ^2/NDF:41.4/36

Out: -0.019+/-0.013 χ^2/NDF:42.7/40

All: -0.019+/-0.009 χ^2/NDF: 84.1/77



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.970+/-0.010 χ^2/NDF:2100960.9/21

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.625+/-0.010 χ^2/NDF:1866511.2/20

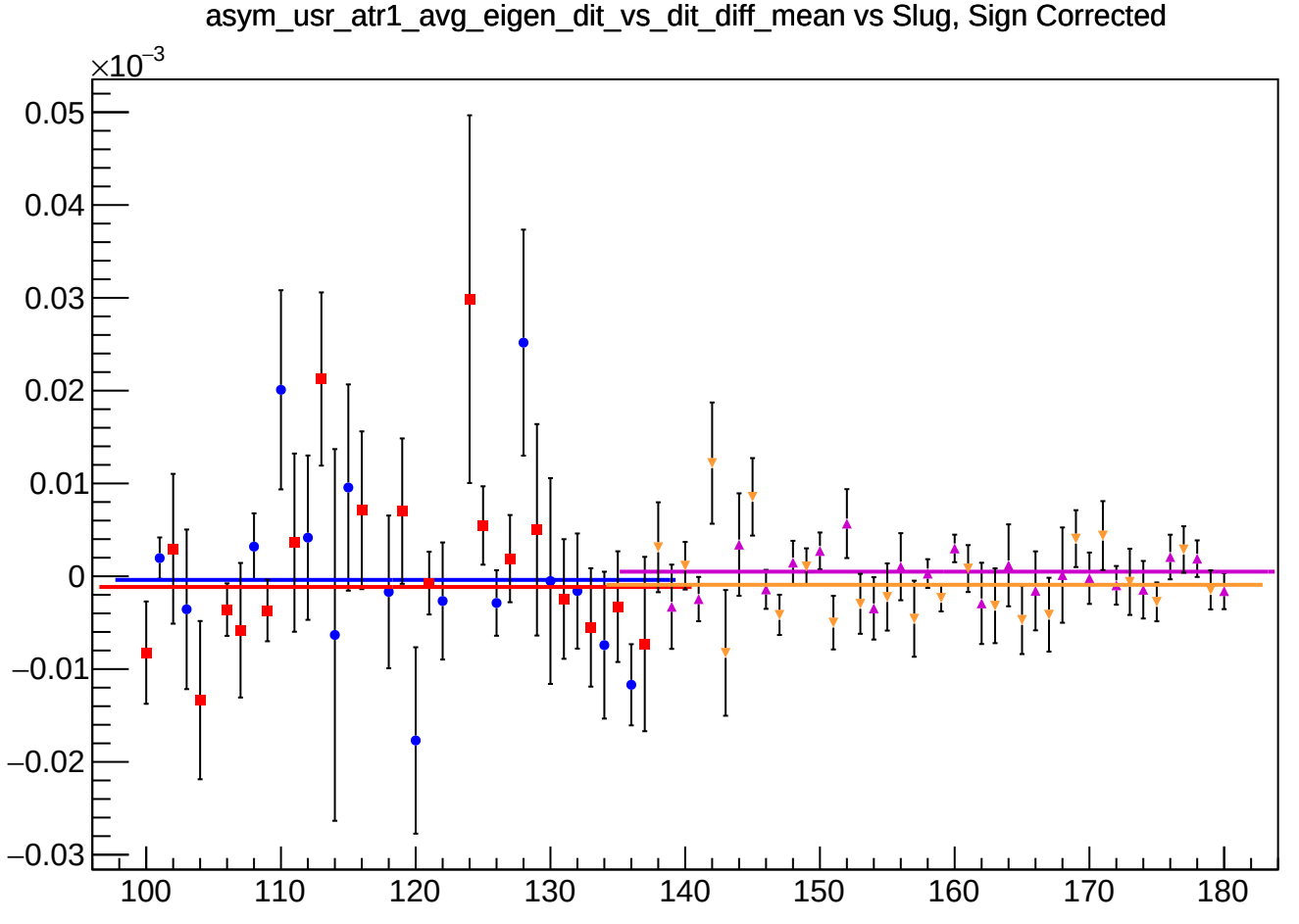
Left: 55.295+/-0.007 χ^2/NDF: 3969476.0/42

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.088+/-0.009 χ^2/NDF:3889348.4/36

Out: 55.209+/-0.009 χ^2/NDF:4694294.4/40

All: 56.125+/-0.006 χ^2/NDF: 8605556.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/20

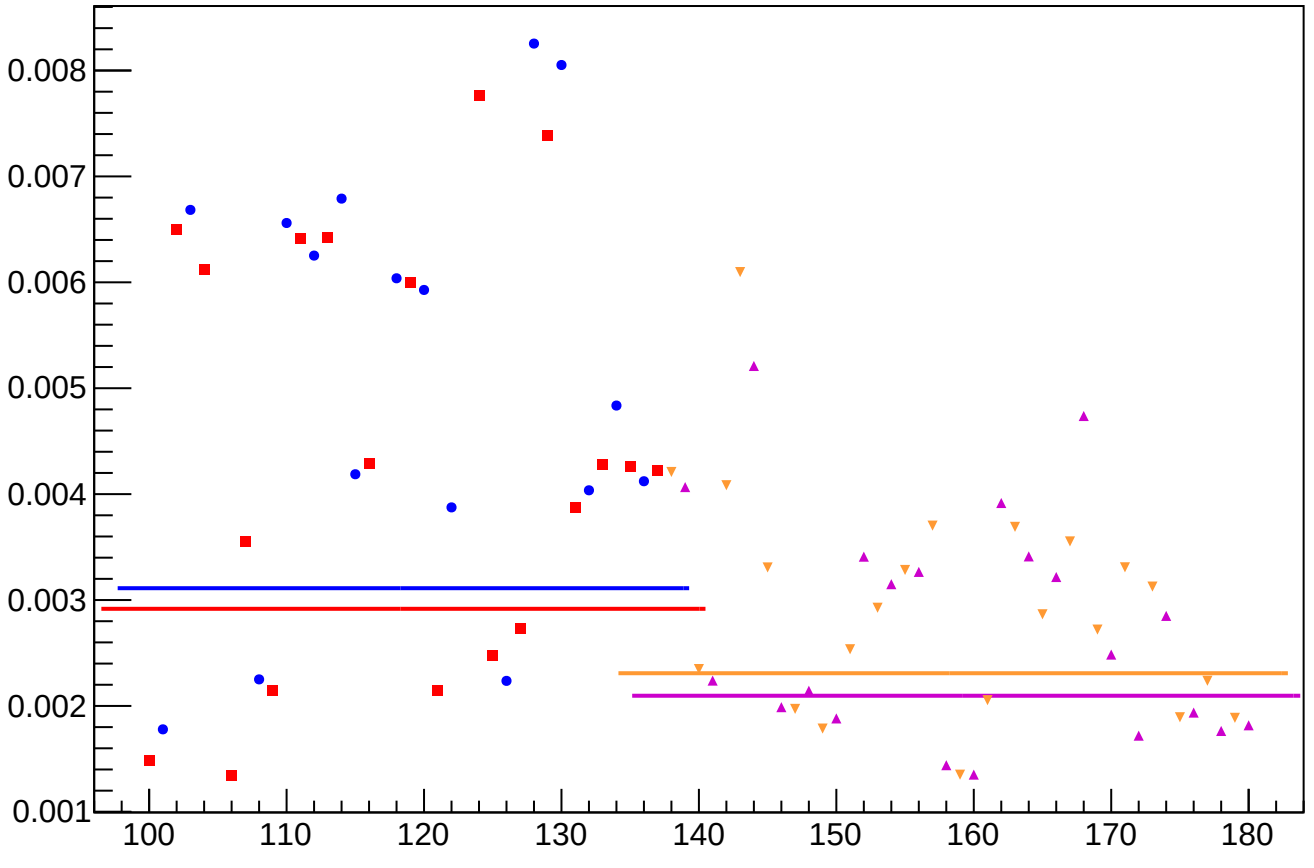
Left: -0.000+/-0.000 χ^2/NDF: 47.5/42

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:37.9/36

Out: -0.000+/-0.000 χ^2/NDF:50.0/40

All: -0.000+/-0.000 χ^2/NDF: 91.1/77



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3652797.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4088763.7/20

Left: 0.002+/-0.000 χ^2/NDF: 7880471.3/42

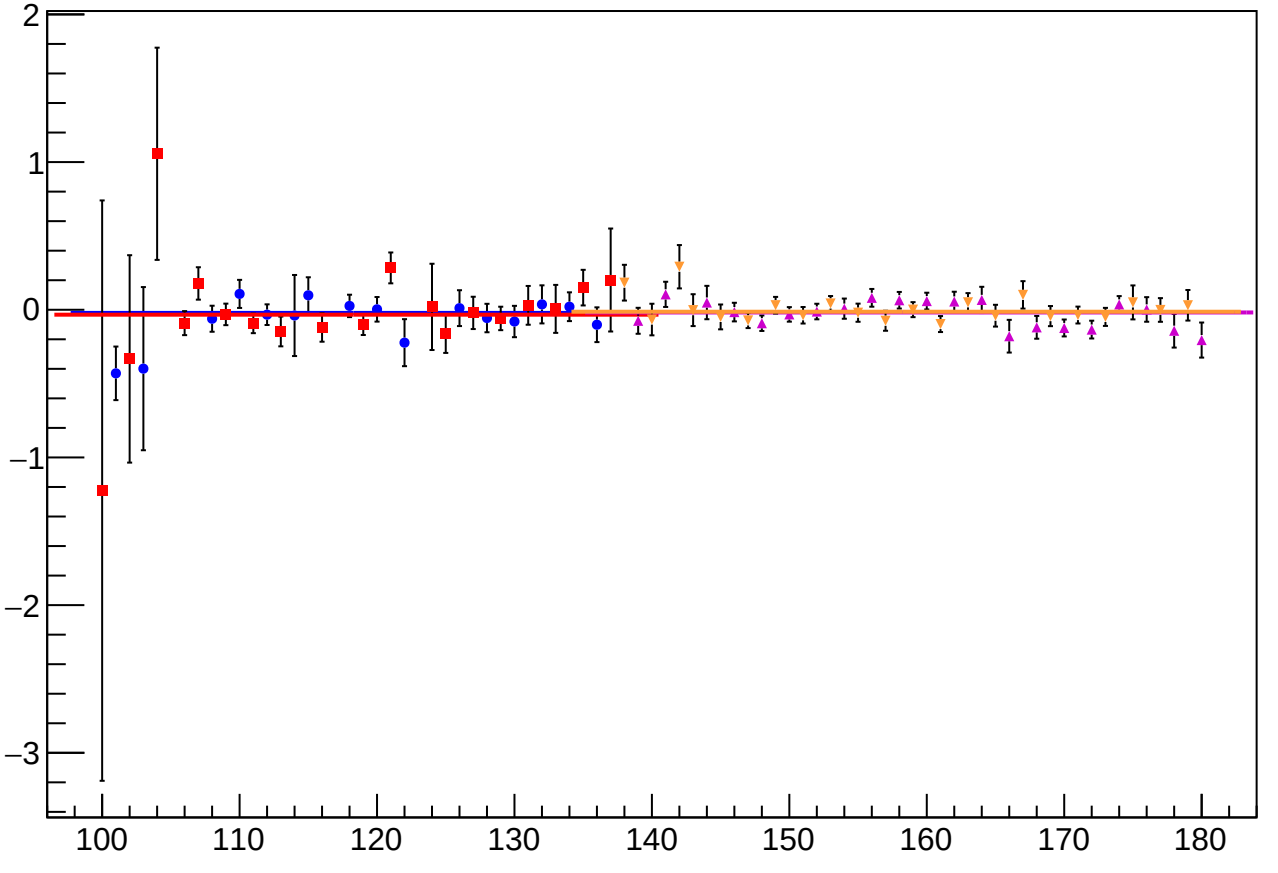
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8369667.4/36

Out: 0.002+/-0.000 χ^2/NDF:7332891.5/40

All: 0.002+/-0.000 χ^2/NDF: 15821397.5/77

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.015 χ^2/NDF:29.4/20

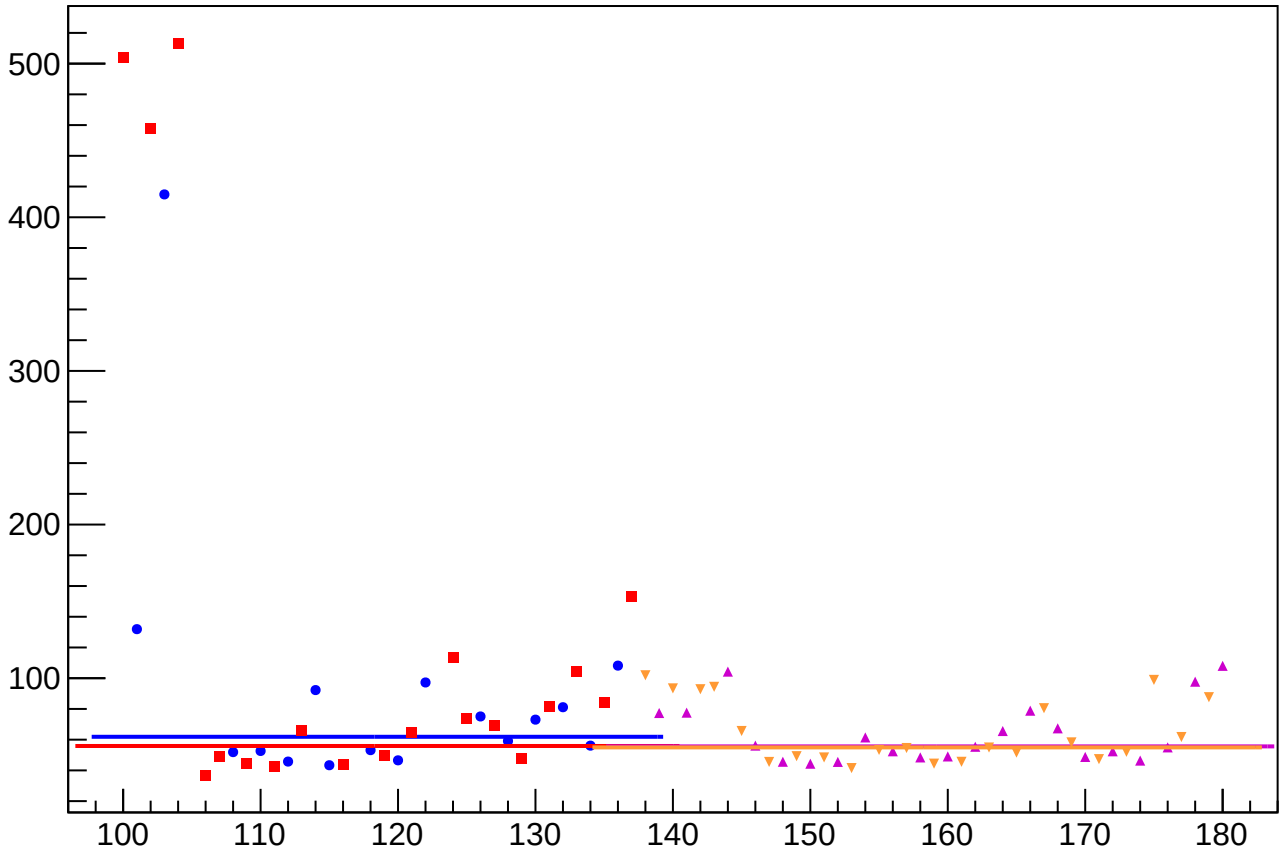
Left: -0.016+/-0.010 χ^2/NDF: 47.3/42

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.013 χ^2/NDF:41.4/36

Out: -0.018+/-0.013 χ^2/NDF:42.7/40

All: -0.019+/-0.009 χ^2/NDF: 84.1/77



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.625+/-0.010 χ^2/NDF:1866507.7/20

Left: 55.296+/-0.007 χ^2/NDF: 3969524.2/42

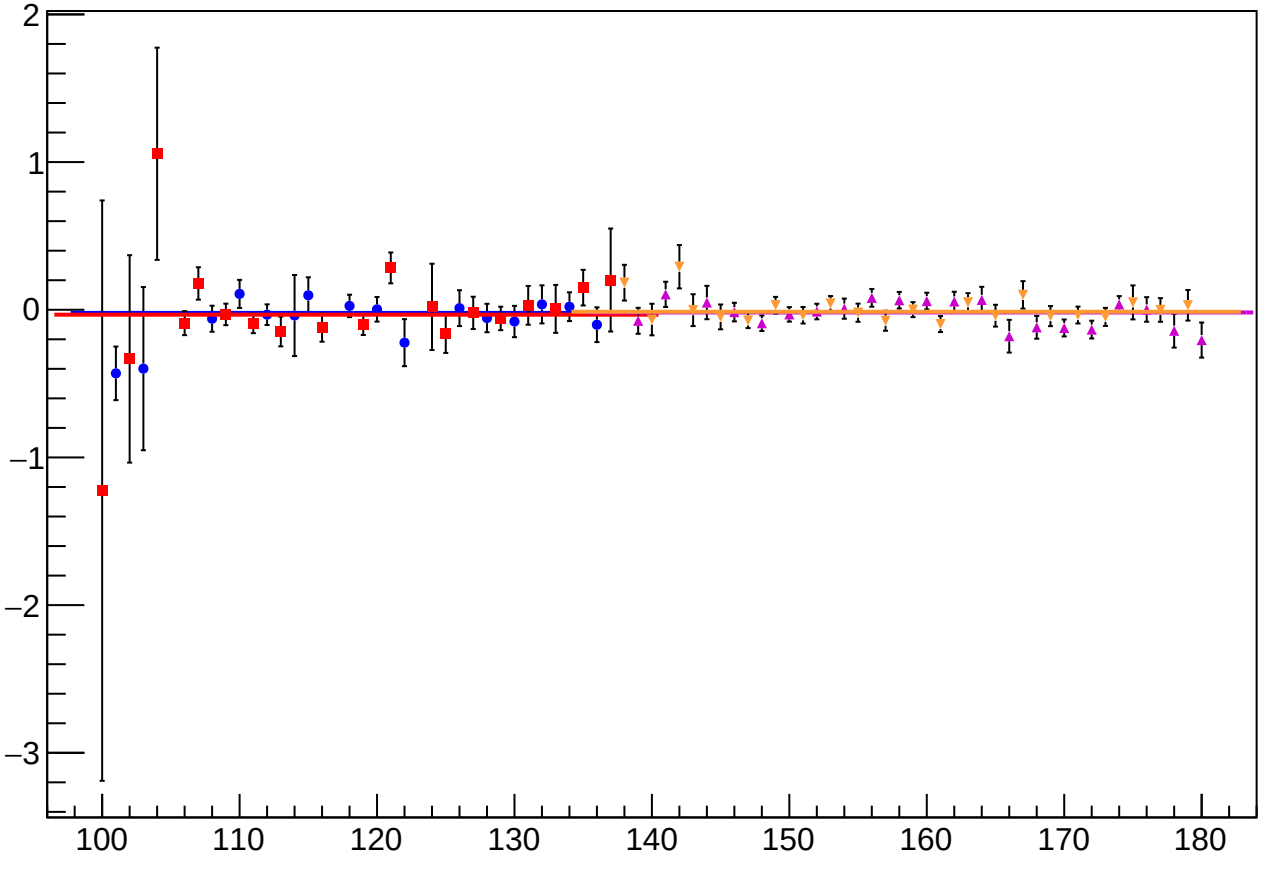
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.088+/-0.009 χ^2/NDF:3889274.7/36

Out: 55.209+/-0.009 χ^2/NDF:4694299.9/40

All: 56.125+/-0.006 χ^2/NDF: 8605489.9/77

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.015 χ^2/NDF:29.4/20

Left: -0.016+/-0.010 χ^2/NDF: 47.3/42

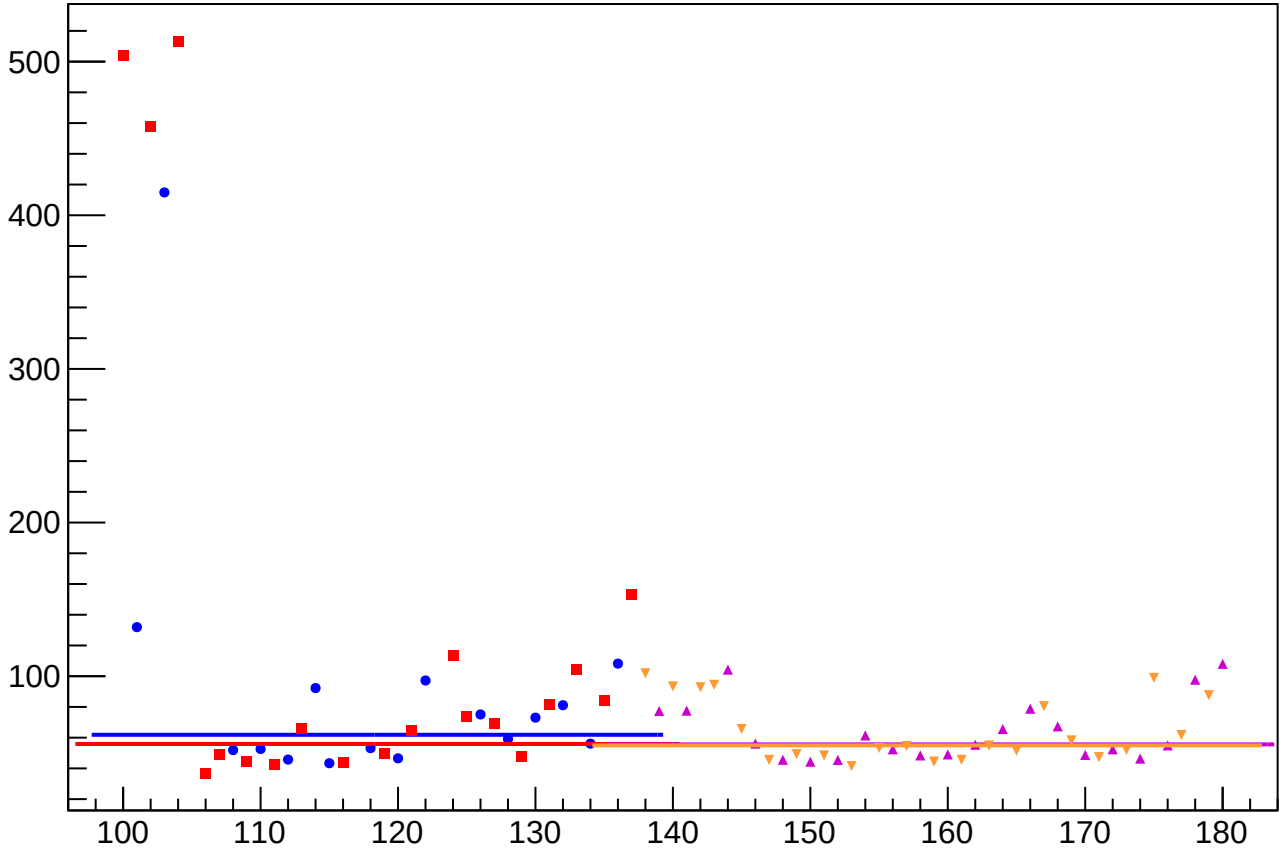
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.013 χ^2/NDF:41.4/36

Out: -0.018+/-0.013 χ^2/NDF:42.7/40

All: -0.019+/-0.009 χ^2/NDF: 84.1/77

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.625+/-0.010 χ^2/NDF:1866507.7/20

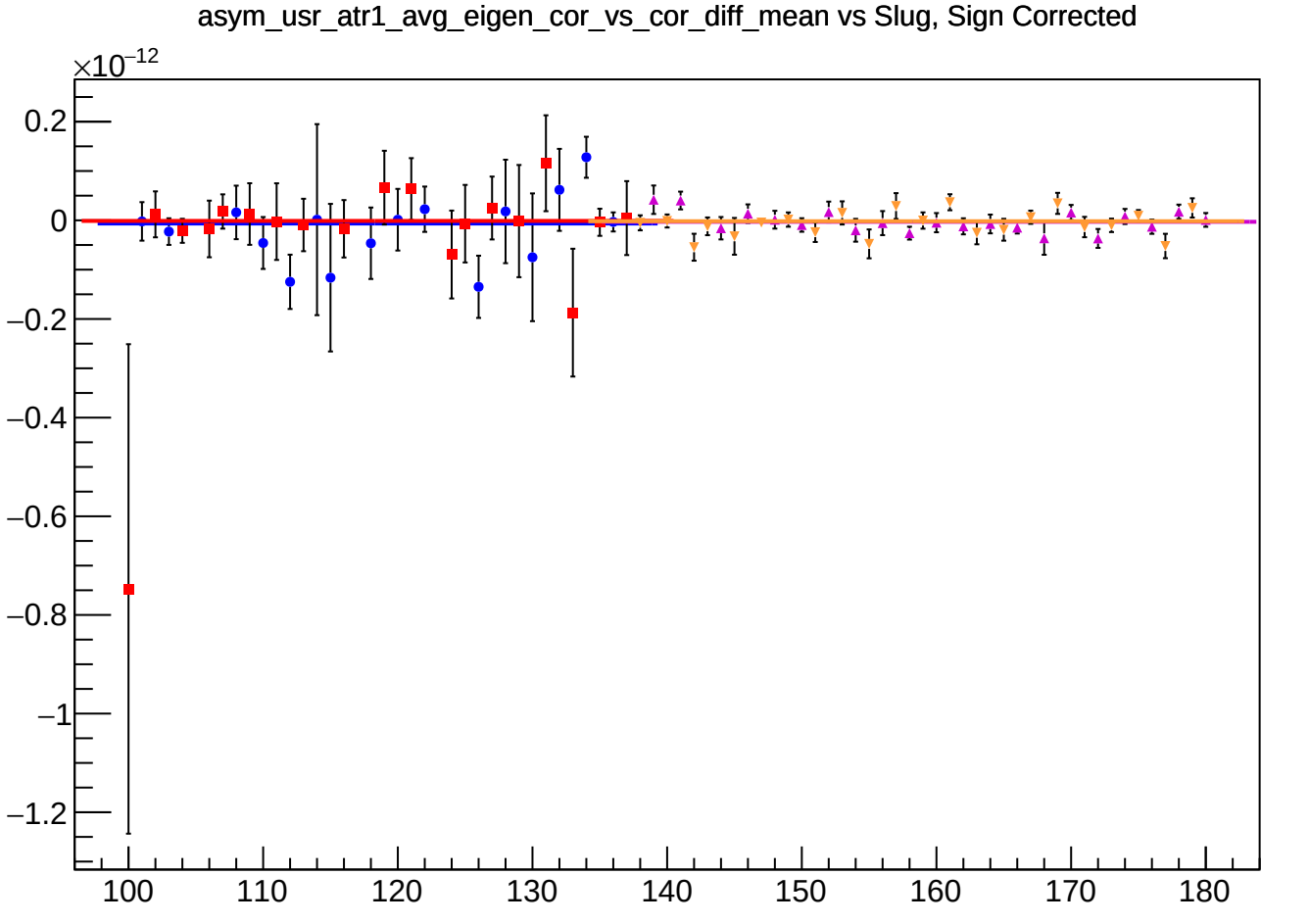
Left: 55.296+/-0.007 χ^2/NDF: 3969524.2/42

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.088+/-0.009 χ^2/NDF:3889274.7/36

Out: 55.209+/-0.009 χ^2/NDF:4694299.9/40

All: 56.125+/-0.006 χ^2/NDF: 8605489.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/20

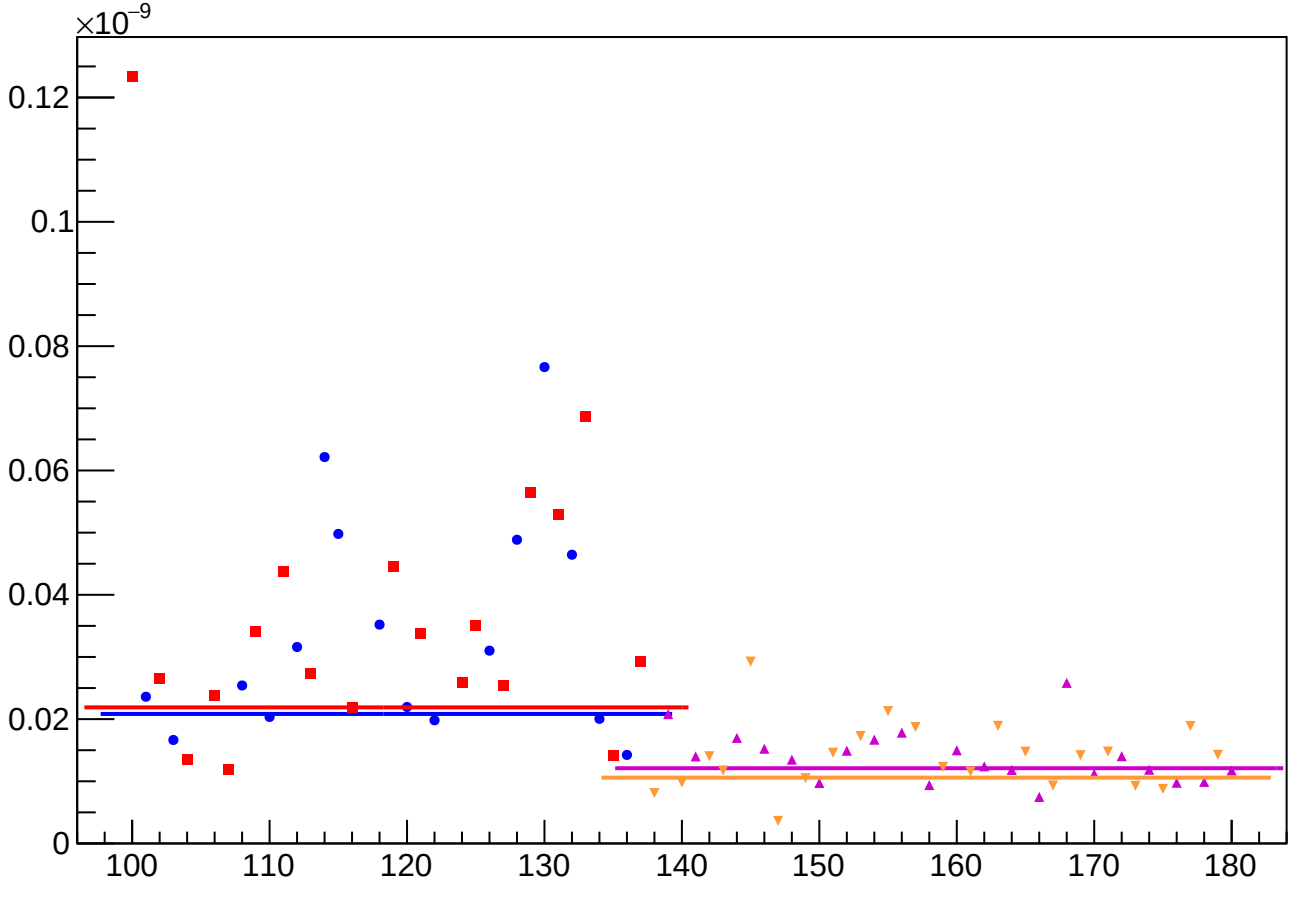
Left: -0.000+/-0.000 χ^2/NDF: 52.8/42

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:46.7/36

Out: -0.000+/-0.000 χ^2/NDF:38.3/40

All: -0.000+/-0.000 χ^2/NDF: 85.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574538.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1542231.5/20

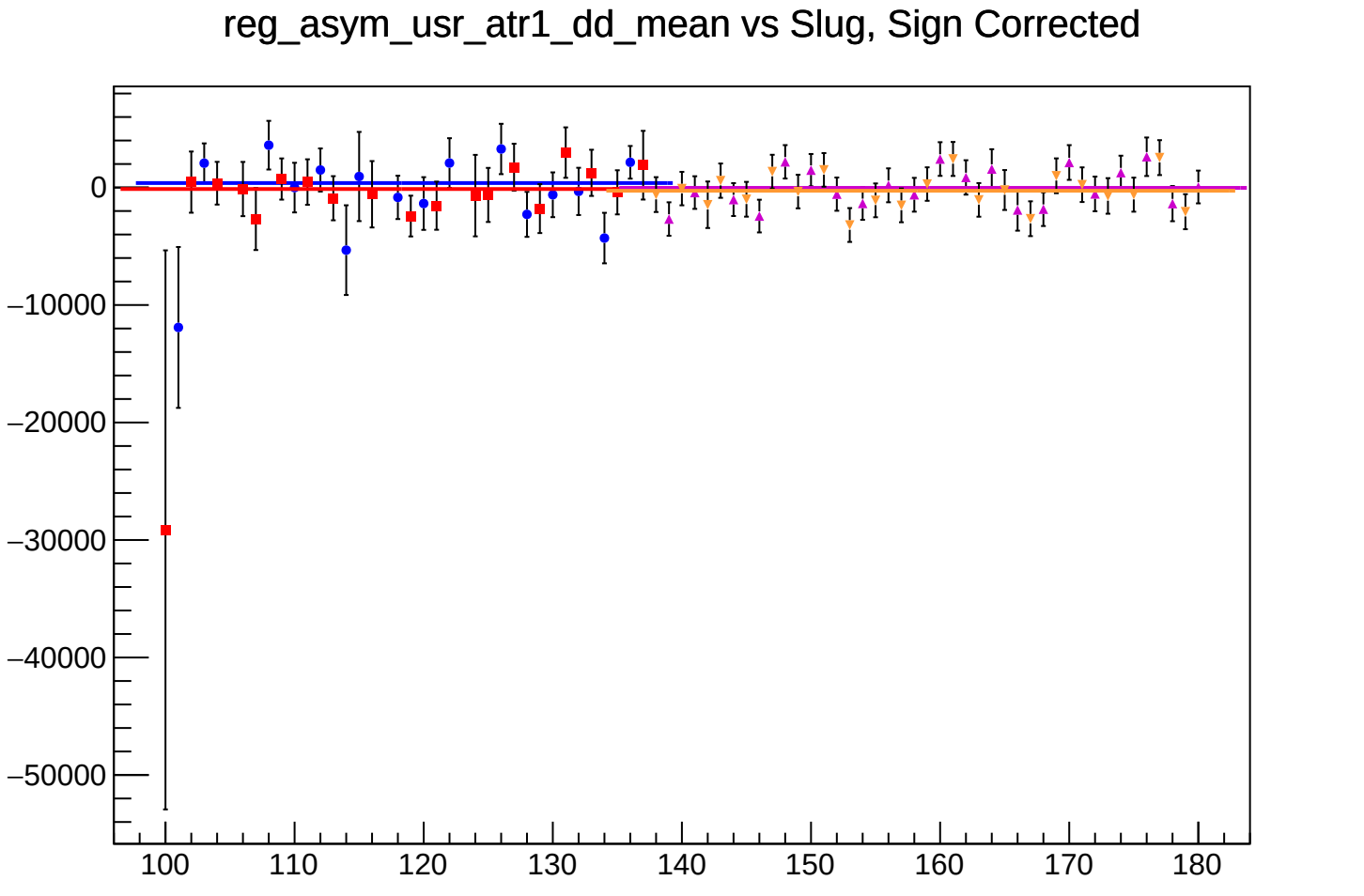
Left: 0.000+/-0.000 χ^2/NDF: 5290468.4/42

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:4006440.4/36

Out: 0.000+/-0.000 χ^2/NDF:7139069.9/40

All: 0.000+/-0.000 χ^2/NDF: 11320907.4/77



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.509+/-315.627 χ^2/NDF:21.6/21

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -31.330+/-318.095 χ^2/NDF:25.3/20

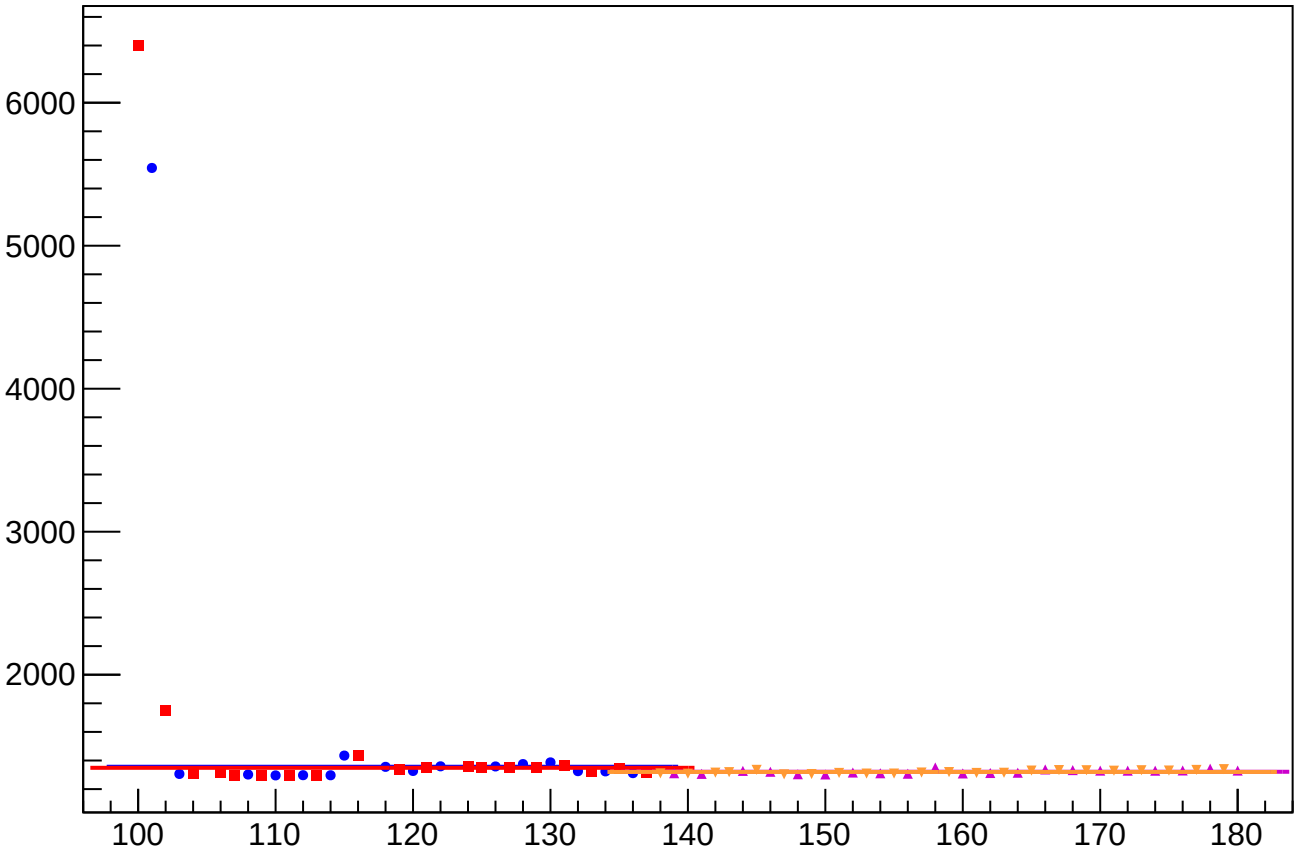
Left: -153.867+/-224.049 χ^2/NDF: 47.2/42

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 81.758+/-271.035 χ^2/NDF:47.3/36

Out: -232.860+/-267.048 χ^2/NDF:31.6/40

All: -77.883+/-190.226 χ^2/NDF: 79.6/77



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

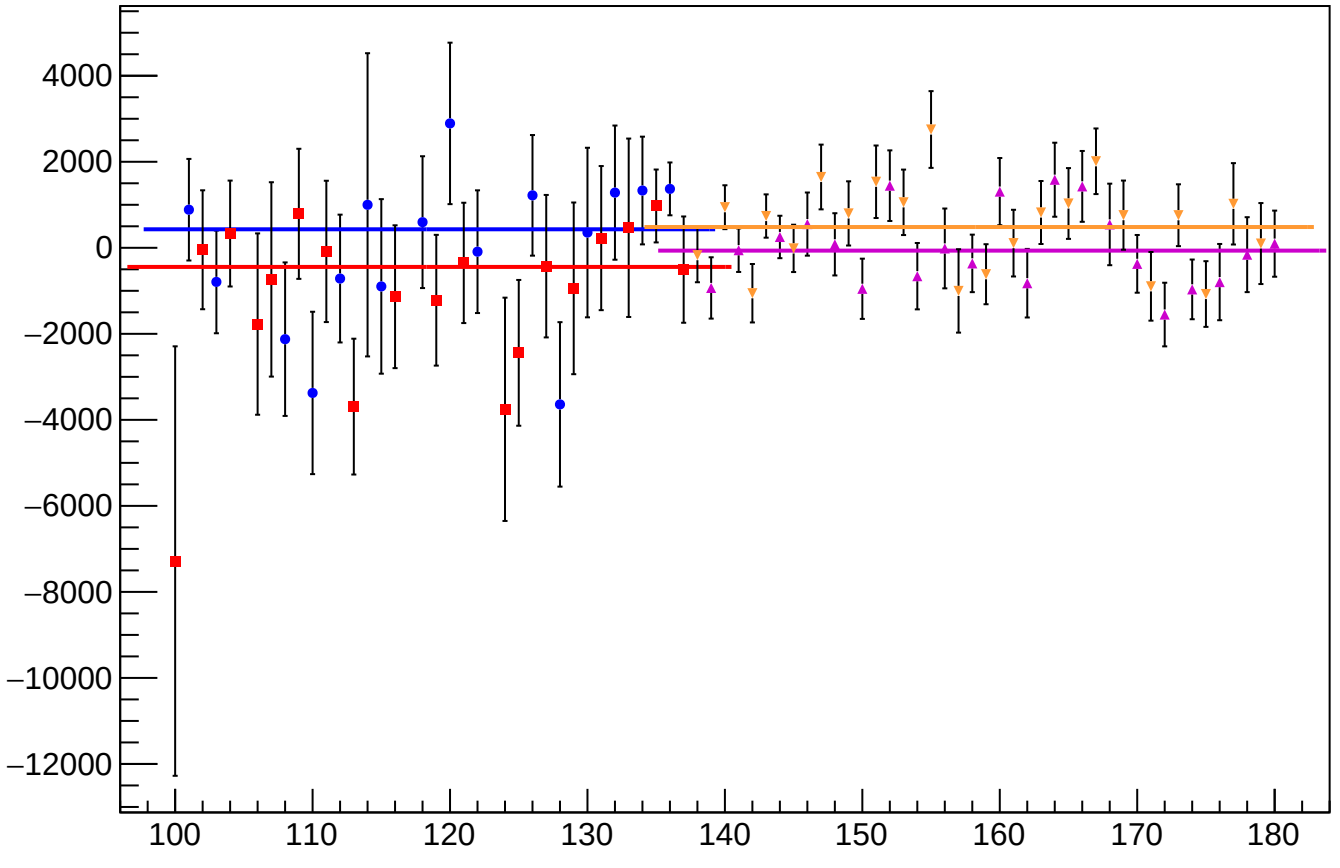
Left: 1320.639+/-0.158 χ^2/NDF: 5966.9/42

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.917+/-0.192 χ^2/NDF:770412.3/36

Out: 1328.224+/-0.189 χ^2/NDF:154533.3/40

All: 1329.551+/-0.135 χ^2/NDF: 925045.7/77



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 483.027+/-153.241 χ^2/NDF:36.9/21

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -65.448+/-158.291 χ^2/NDF:26.5/20

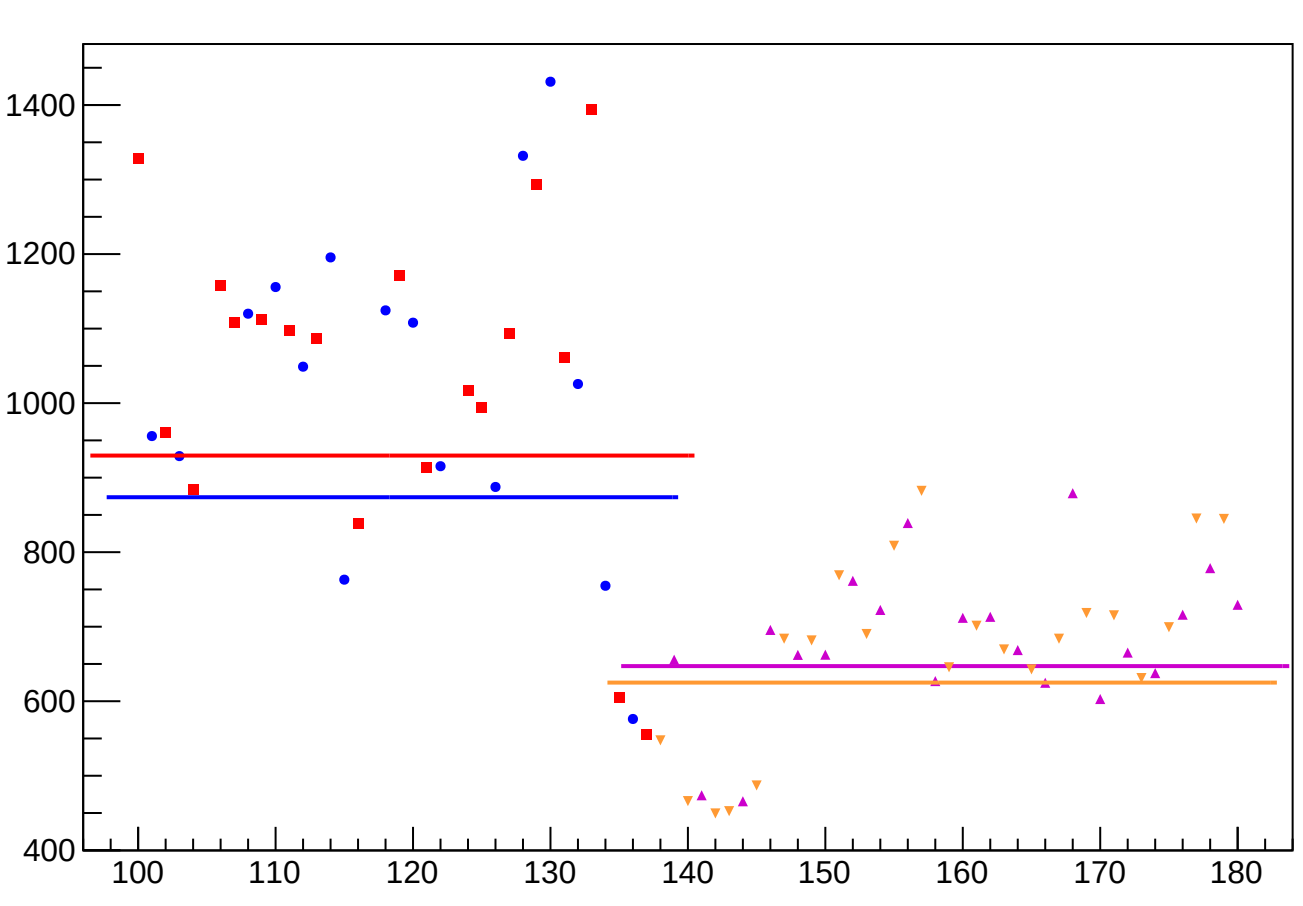
Left: 217.677+/-110.100 χ^2/NDF: 69.5/42

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 23.535+/-143.385 χ^2/NDF:46.5/36

Out: 337.744+/-140.730 χ^2/NDF:57.0/40

All: 183.575+/-100.436 χ^2/NDF: 105.9/77



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371528.1/21

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 647.124+/-0.112 χ^2/NDF:902277.4/20

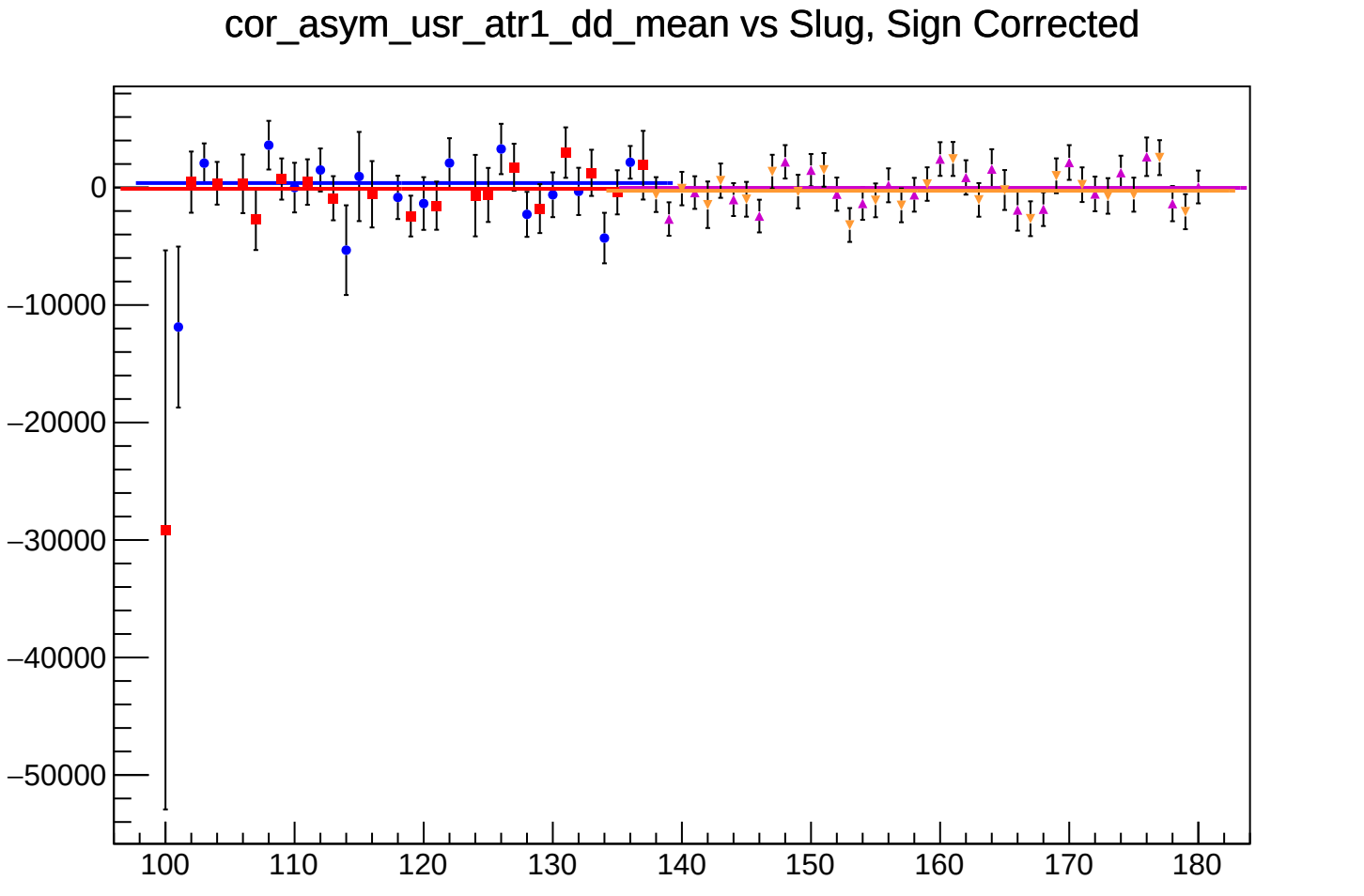
Left: 635.703+/-0.078 χ^2/NDF: 2293973.4/42

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 687.793+/-0.101 χ^2/NDF:2652779.5/36

Out: 672.714+/-0.100 χ^2/NDF:3469421.5/40

All: 680.113+/-0.071 χ^2/NDF: 6133467.7/77



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -31.378+/-318.095 χ^2/NDF:25.3/20

Left: -153.899+/-224.049 χ^2/NDF: 47.2/42

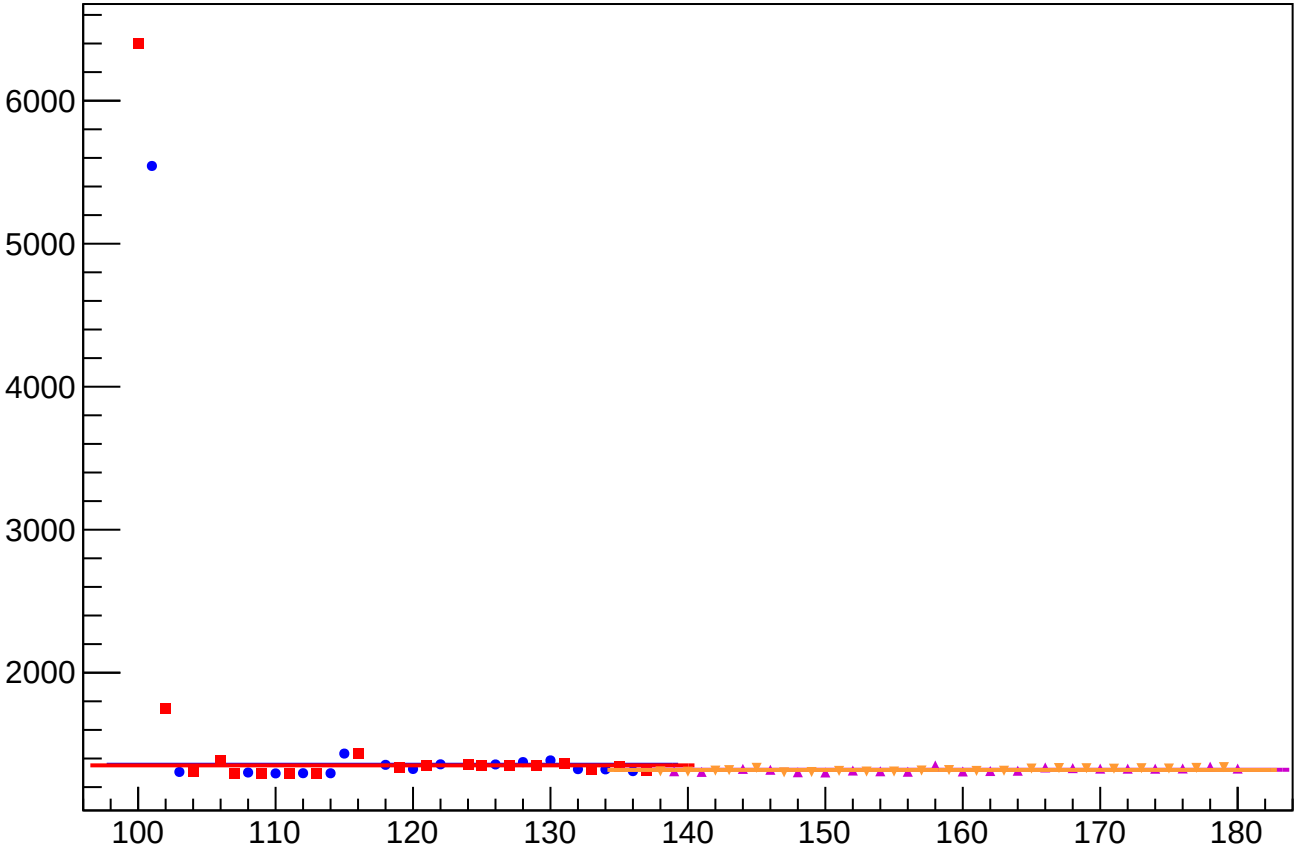
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 81.807+/-271.035 χ^2/NDF:47.3/36

Out: -228.085+/-267.306 χ^2/NDF:31.7/40

All: -75.285+/-190.319 χ^2/NDF: 79.6/77

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

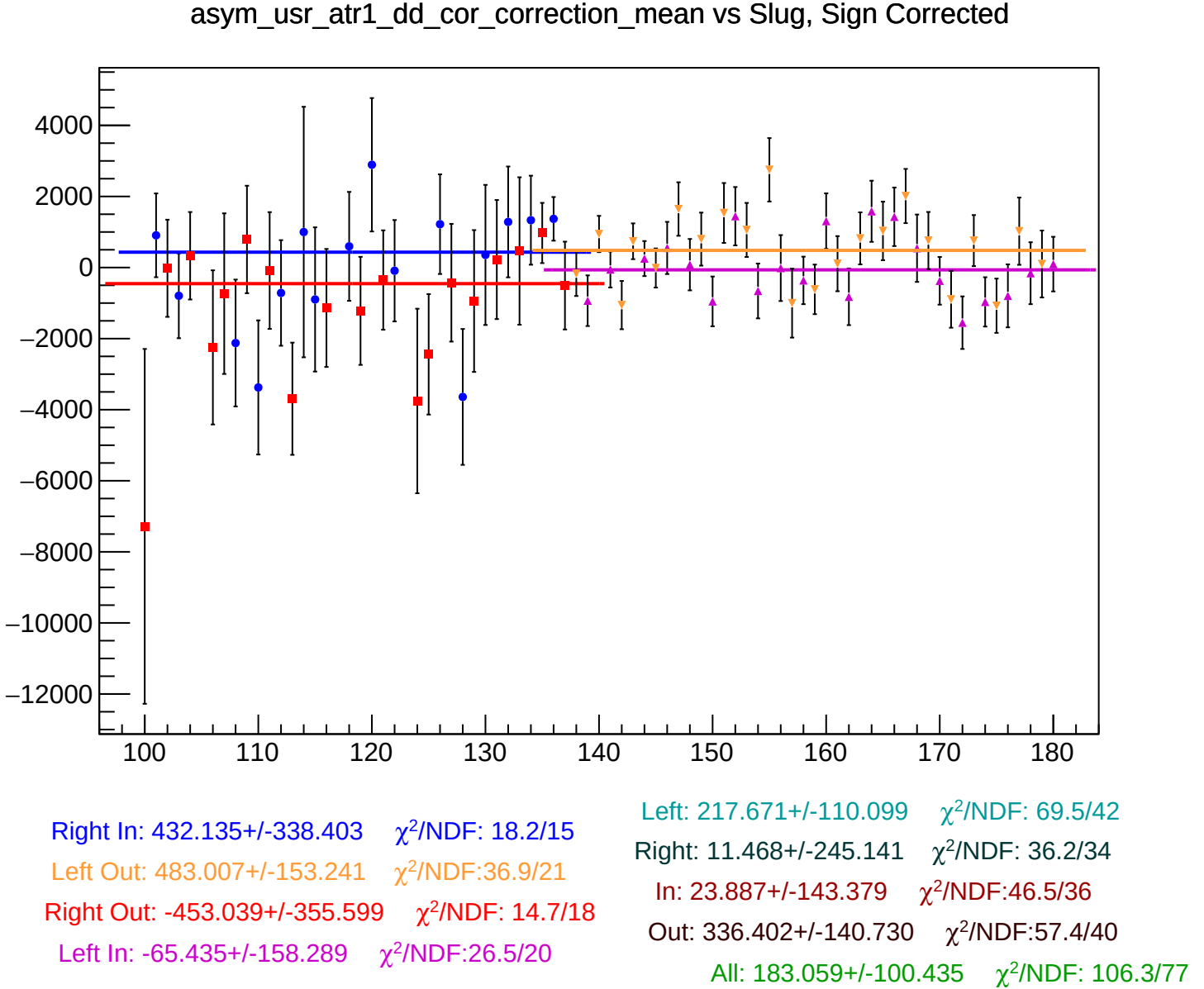
Left: 1320.639+/-0.158 χ^2/NDF: 5966.9/42

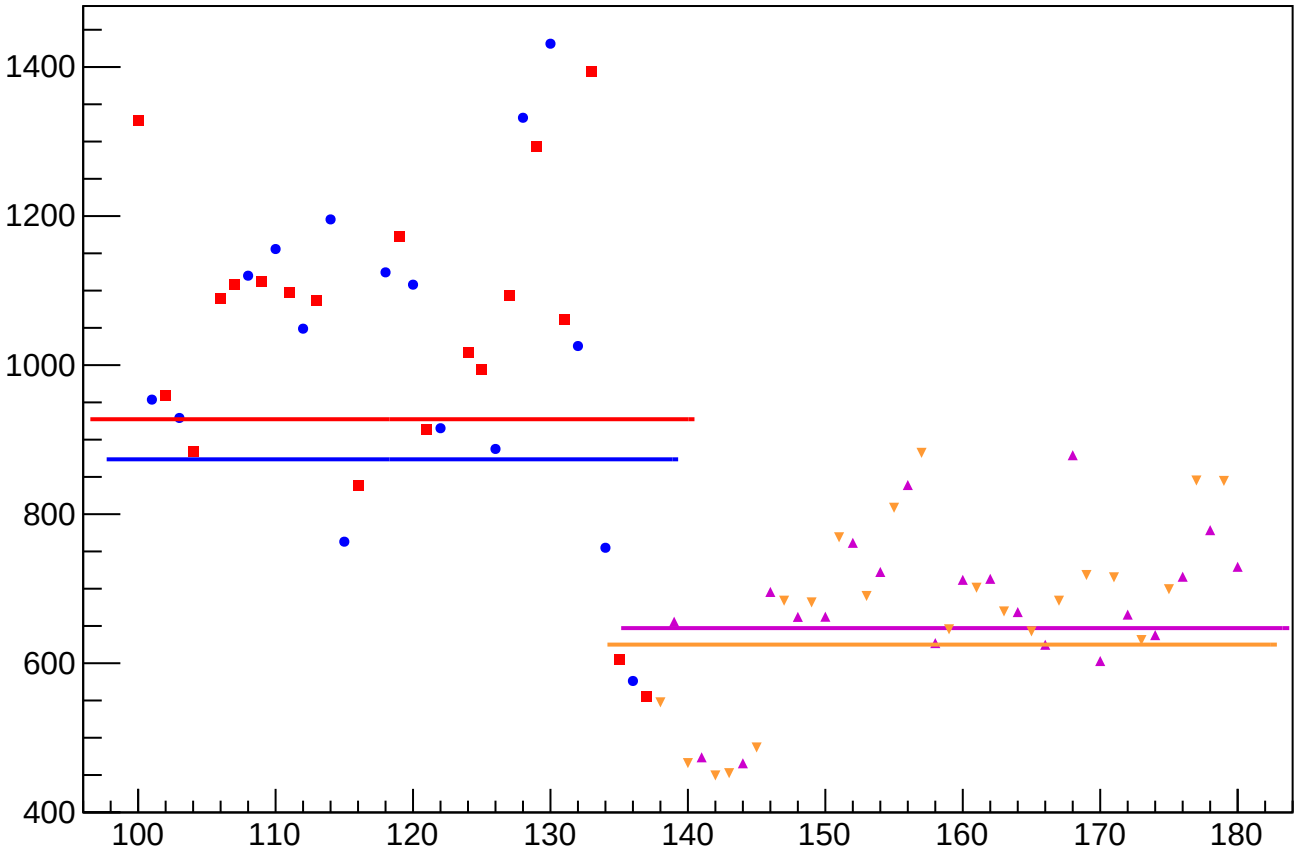
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.917+/-0.192 χ^2/NDF:770411.4/36

Out: 1329.063+/-0.189 χ^2/NDF:155648.7/40

All: 1329.977+/-0.135 χ^2/NDF: 926107.5/77


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
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 483.007+/-153.241 χ²/NDF:36.9/21
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -65.435+/-158.289 χ²/NDF:26.5/20
Left: 217.671+/-110.099 χ²/NDF: 69.5/42
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 23.887+/-143.379 χ²/NDF:46.5/36
Out: 336.402+/-140.730 χ²/NDF:57.4/40
All: 183.059+/-100.435 χ²/NDF: 106.3/77



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

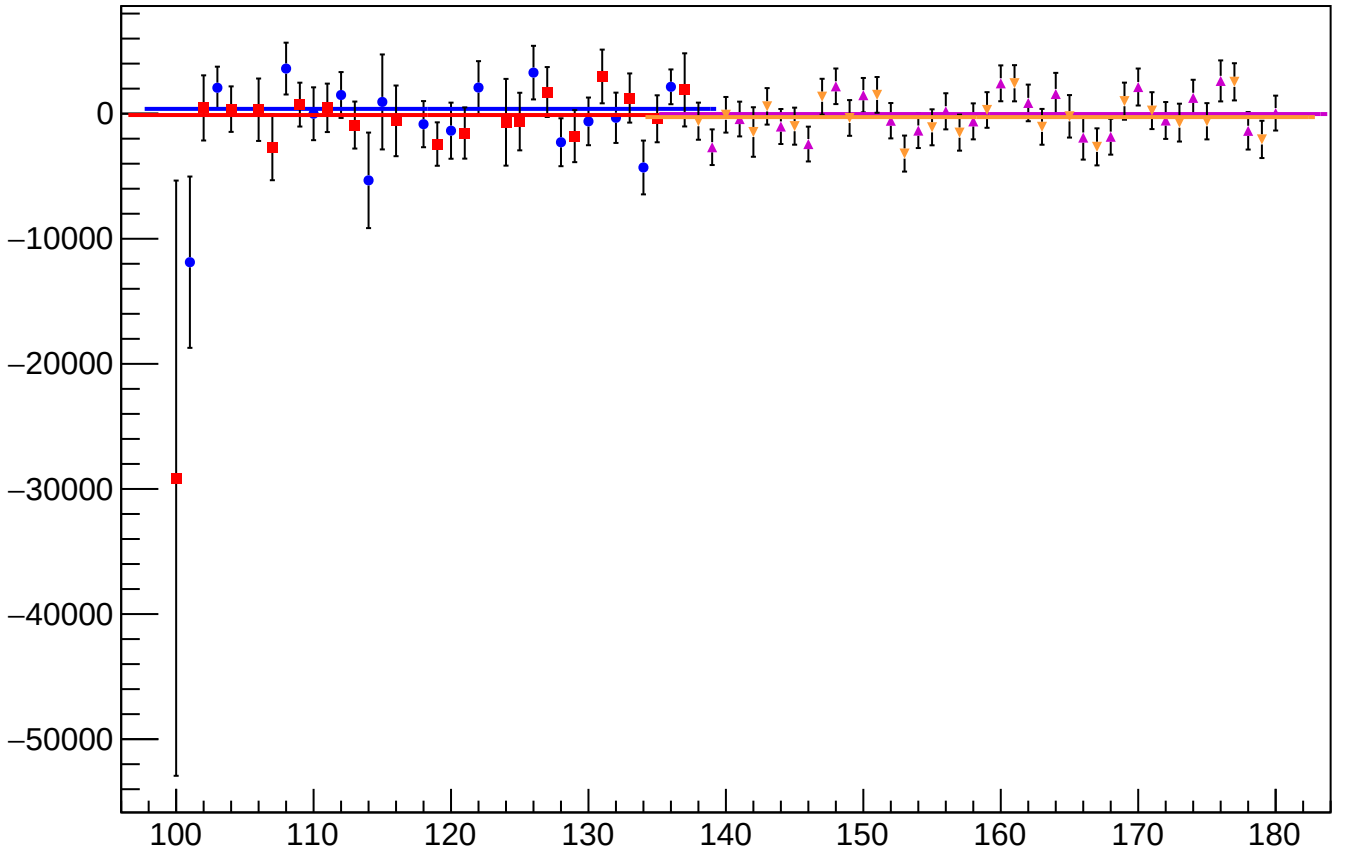
Left: 635.700+/-0.078 χ^2/NDF: 2293923.7/42

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.776+/-0.101 χ^2/NDF:2651803.6/36

Out: 672.363+/-0.100 χ^2/NDF:3438692.9/40

All: 679.926+/-0.071 χ^2/NDF: 6102267.5/77



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -31.378+/-318.095 χ^2/NDF:25.3/20

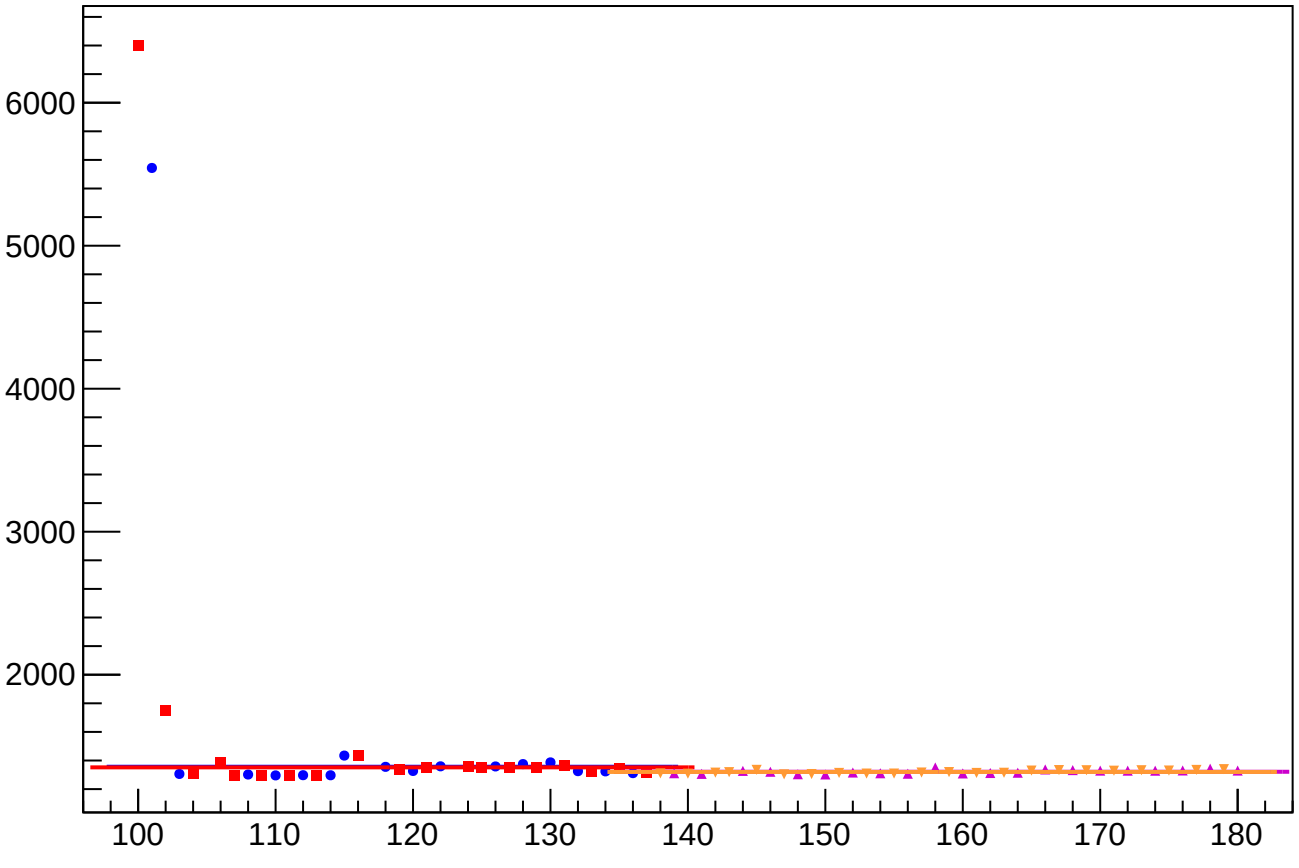
Left: -153.899+/-224.049 χ^2/NDF: 47.2/42

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 81.807+/-271.035 χ^2/NDF:47.3/36

Out: -228.085+/-267.306 χ^2/NDF:31.7/40

All: -75.285+/-190.319 χ^2/NDF: 79.6/77



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1321.300+/-0.225 χ^2/NDF:3474.9/20

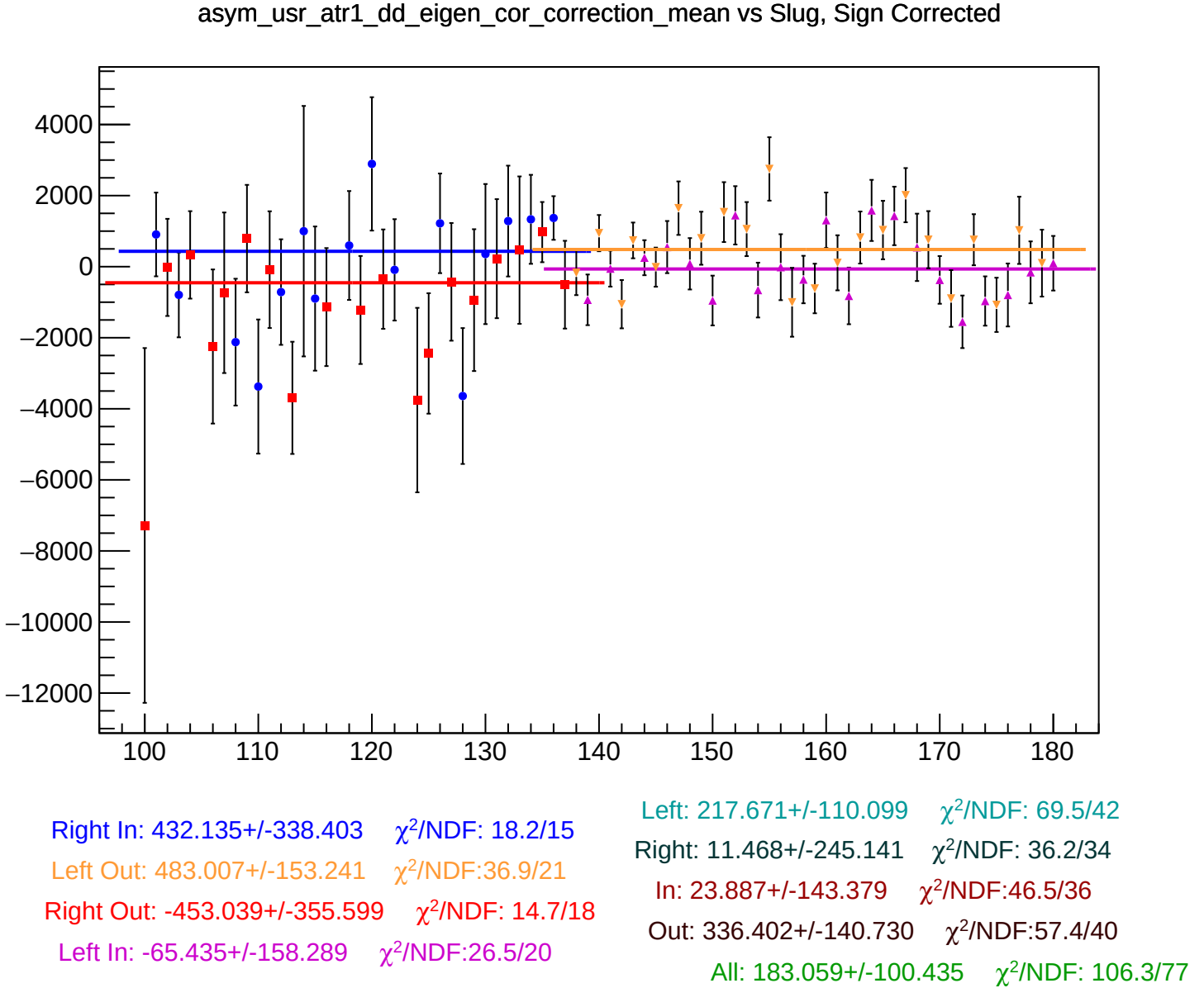
Left: 1320.639+/-0.158 χ^2/NDF: 5966.9/42

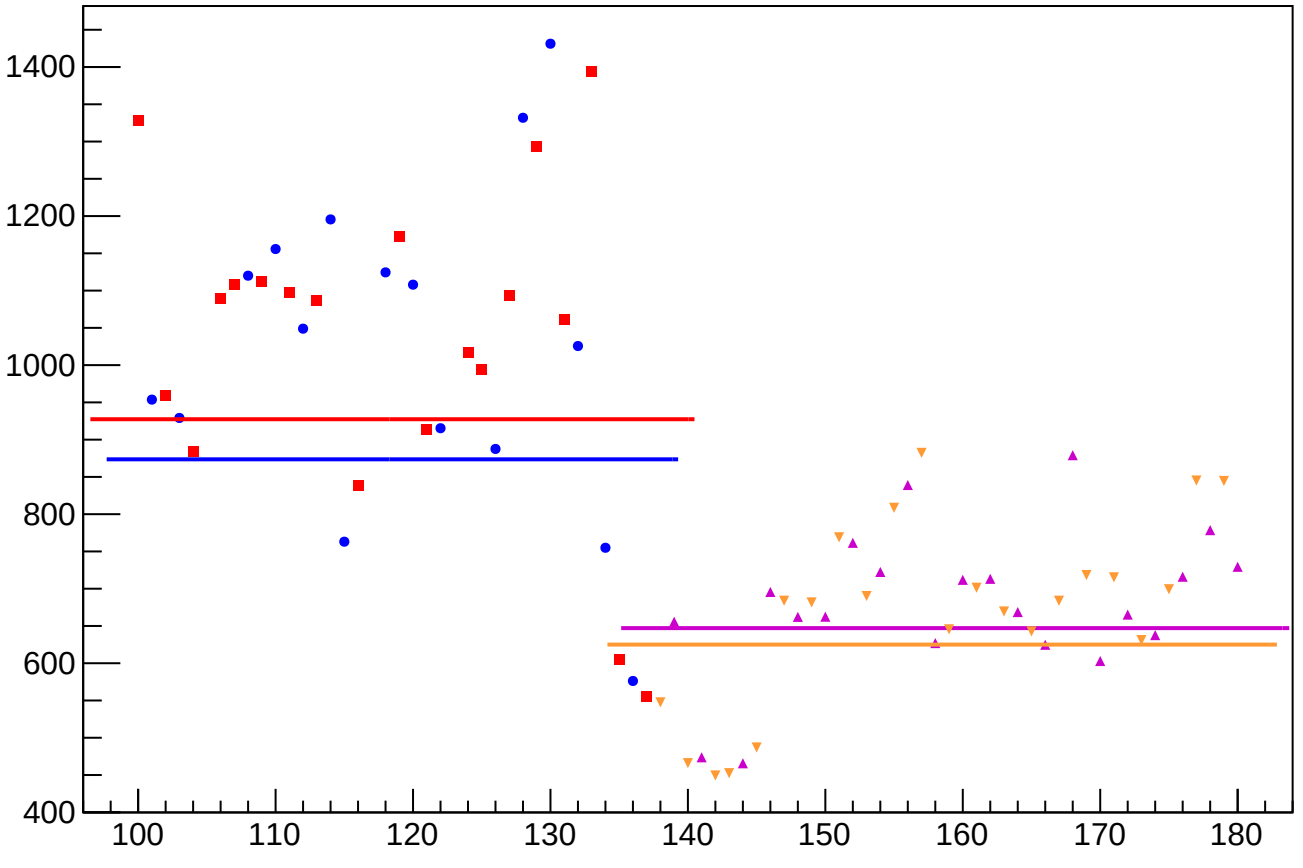
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.917+/-0.192 χ^2/NDF:770411.4/36

Out: 1329.063+/-0.189 χ^2/NDF:155648.7/40

All: 1329.977+/-0.135 χ^2/NDF: 926107.5/77


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 483.007+/-153.241 χ²/NDF:36.9/21
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -65.435+/-158.289 χ²/NDF:26.5/20
Left: 217.671+/-110.099 χ²/NDF: 69.5/42
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 23.887+/-143.379 χ²/NDF:46.5/36
Out: 336.402+/-140.730 χ²/NDF:57.4/40
All: 183.059+/-100.435 χ²/NDF: 106.3/77



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 647.117+/-0.112 χ^2/NDF:902333.1/20

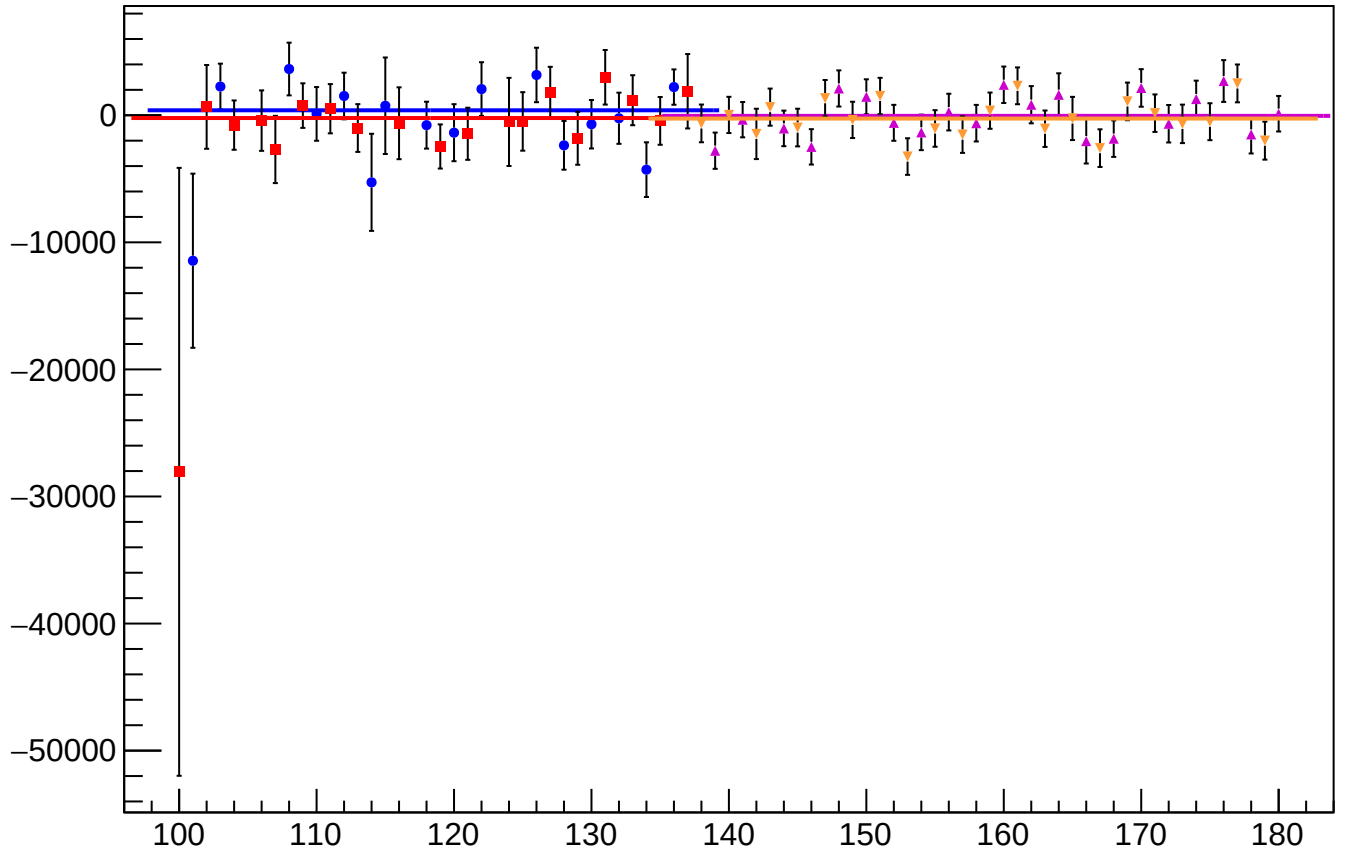
Left: 635.700+/-0.078 χ^2/NDF: 2293923.7/42

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.776+/-0.101 χ^2/NDF:2651803.6/36

Out: 672.363+/-0.100 χ^2/NDF:3438692.9/40

All: 679.926+/-0.071 χ^2/NDF: 6102267.5/77



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.227+/-315.946 χ^2/NDF:21.2/21

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -48.452+/-318.435 χ^2/NDF:26.1/20

Left: -155.170+/-224.282 χ^2/NDF: 47.5/42

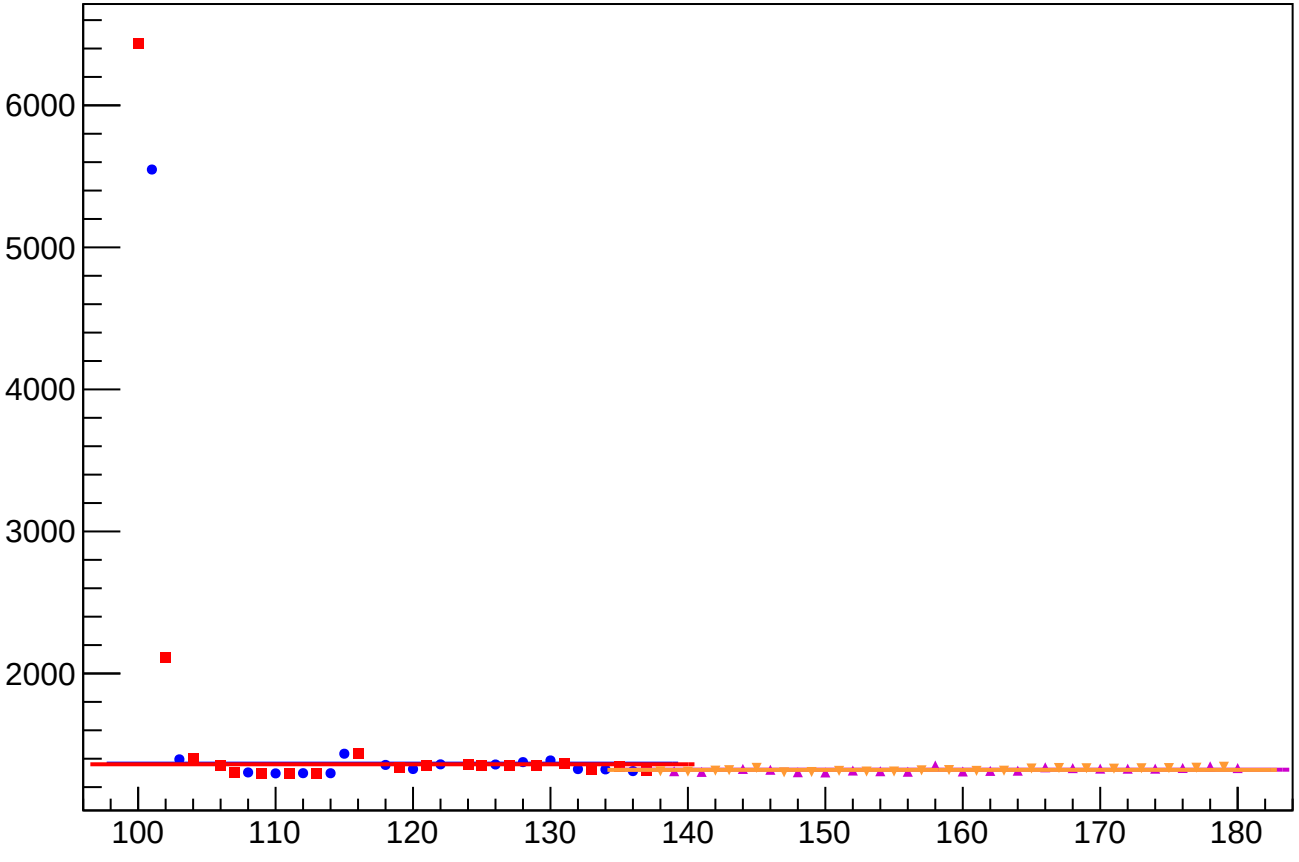
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 70.726+/-271.727 χ^2/NDF:48.0/36

Out: -248.498+/-268.279 χ^2/NDF:31.2/40

All: -90.924+/-190.909 χ^2/NDF: 79.8/77

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

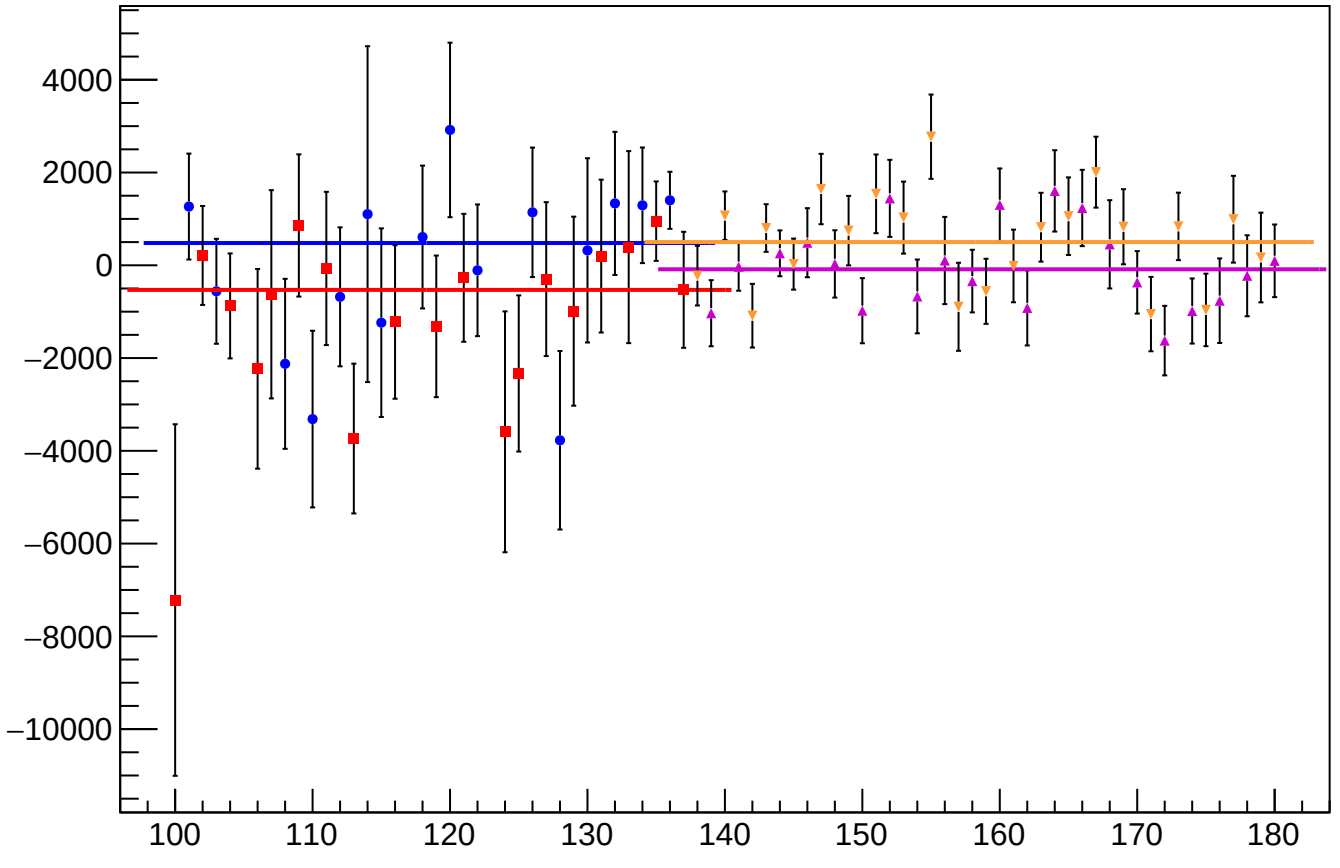
Left: 1322.007+/-0.159 χ^2/NDF: 6409.9/42

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.286+/-0.192 χ^2/NDF:772394.1/36

Out: 1332.325+/-0.190 χ^2/NDF:216684.7/40

All: 1333.293+/-0.135 χ^2/NDF: 989131.6/77



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 500.798+/-155.009 χ^2/NDF:36.9/21

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -86.360+/-160.021 χ^2/NDF:26.1/20

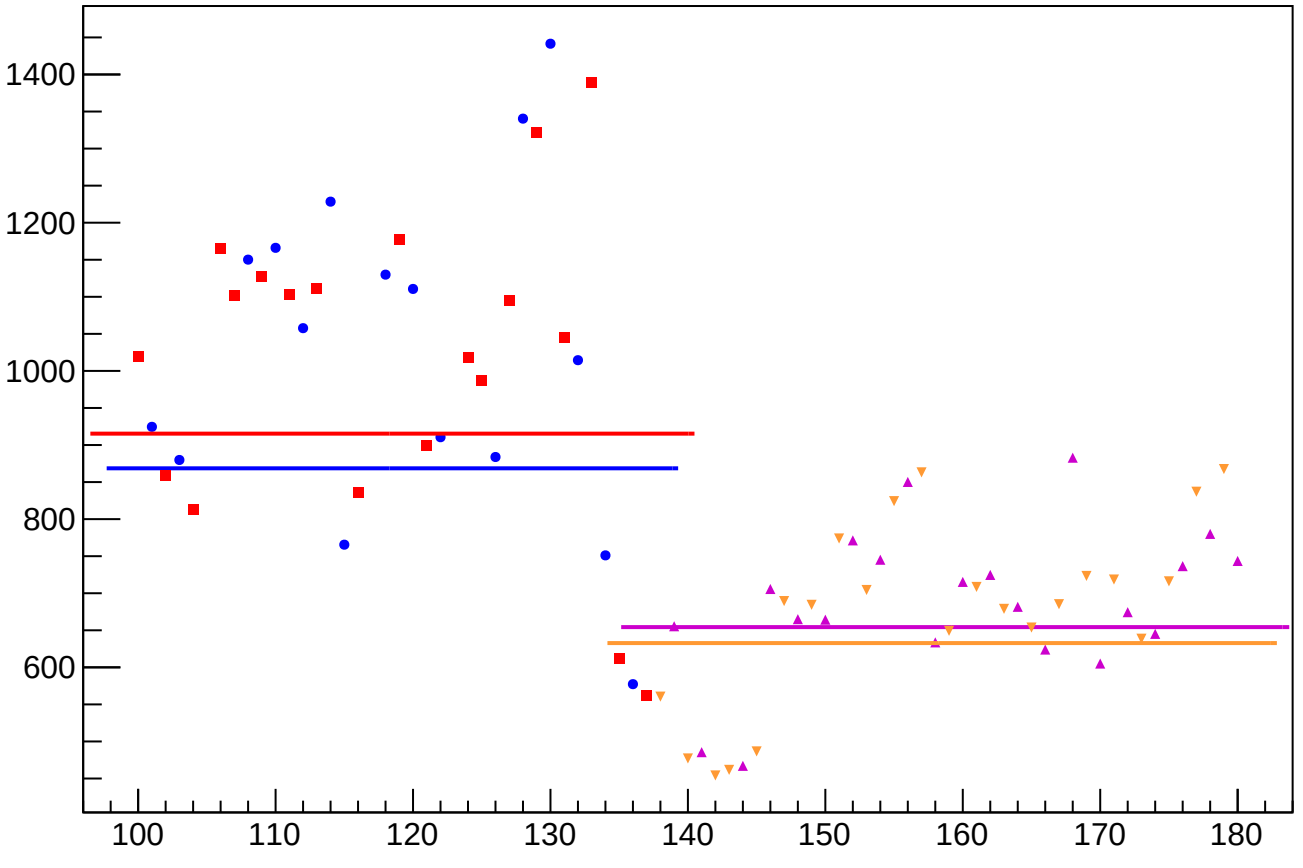
Left: 216.558+/-111.338 χ^2/NDF: 69.9/42

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 18.160+/-144.514 χ^2/NDF:47.0/36

Out: 328.491+/-141.469 χ^2/NDF:59.9/40

All: 176.630+/-101.093 χ^2/NDF: 109.3/77



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323391.9/21

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 654.303+/-0.113 χ^2/NDF:906952.6/20

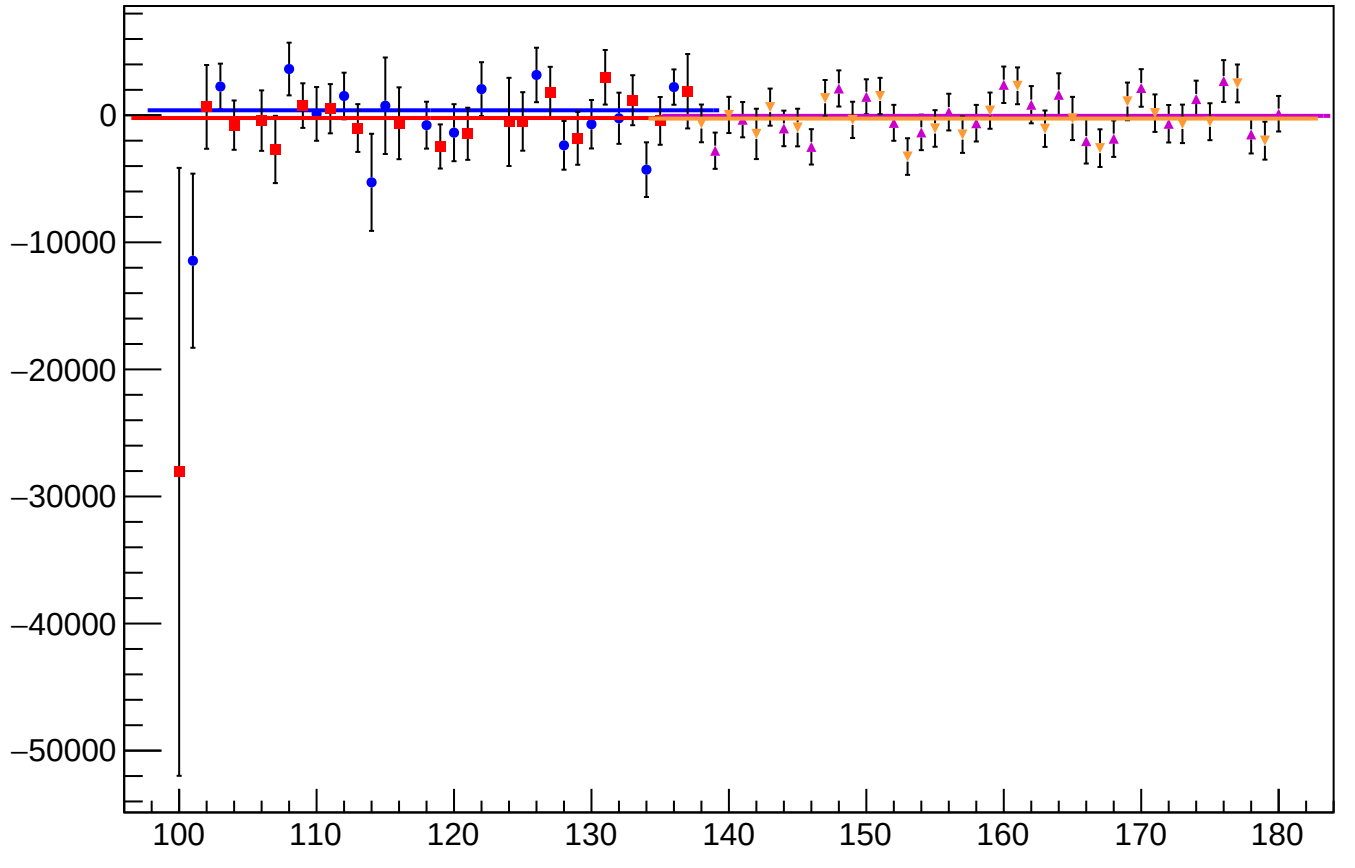
Left: 643.186+/-0.079 χ^2/NDF: 2249051.7/42

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 693.817+/-0.102 χ^2/NDF:2589587.5/36

Out: 679.971+/-0.100 χ^2/NDF:3292952.9/40

All: 686.747+/-0.071 χ^2/NDF: 5891915.7/77



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.228+/-315.946 χ^2/NDF:21.2/21

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -48.452+/-318.435 χ^2/NDF:26.1/20

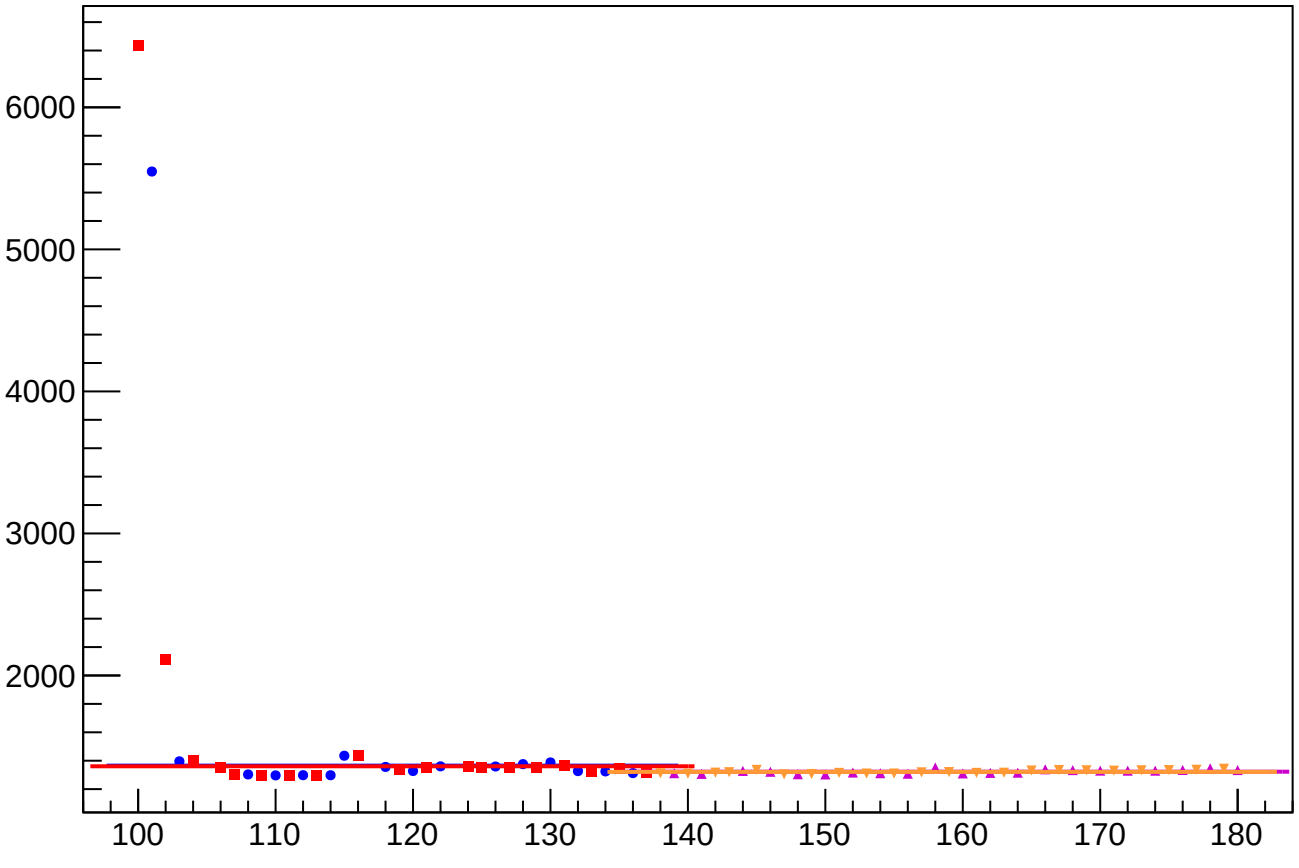
Left: -155.171+/-224.282 χ^2/NDF: 47.5/42

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 70.726+/-271.727 χ^2/NDF:48.0/36

Out: -248.498+/-268.279 χ^2/NDF:31.2/40

All: -90.924+/-190.909 χ^2/NDF: 79.8/77



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1322.707+/-0.225 χ^2/NDF:3721.1/20

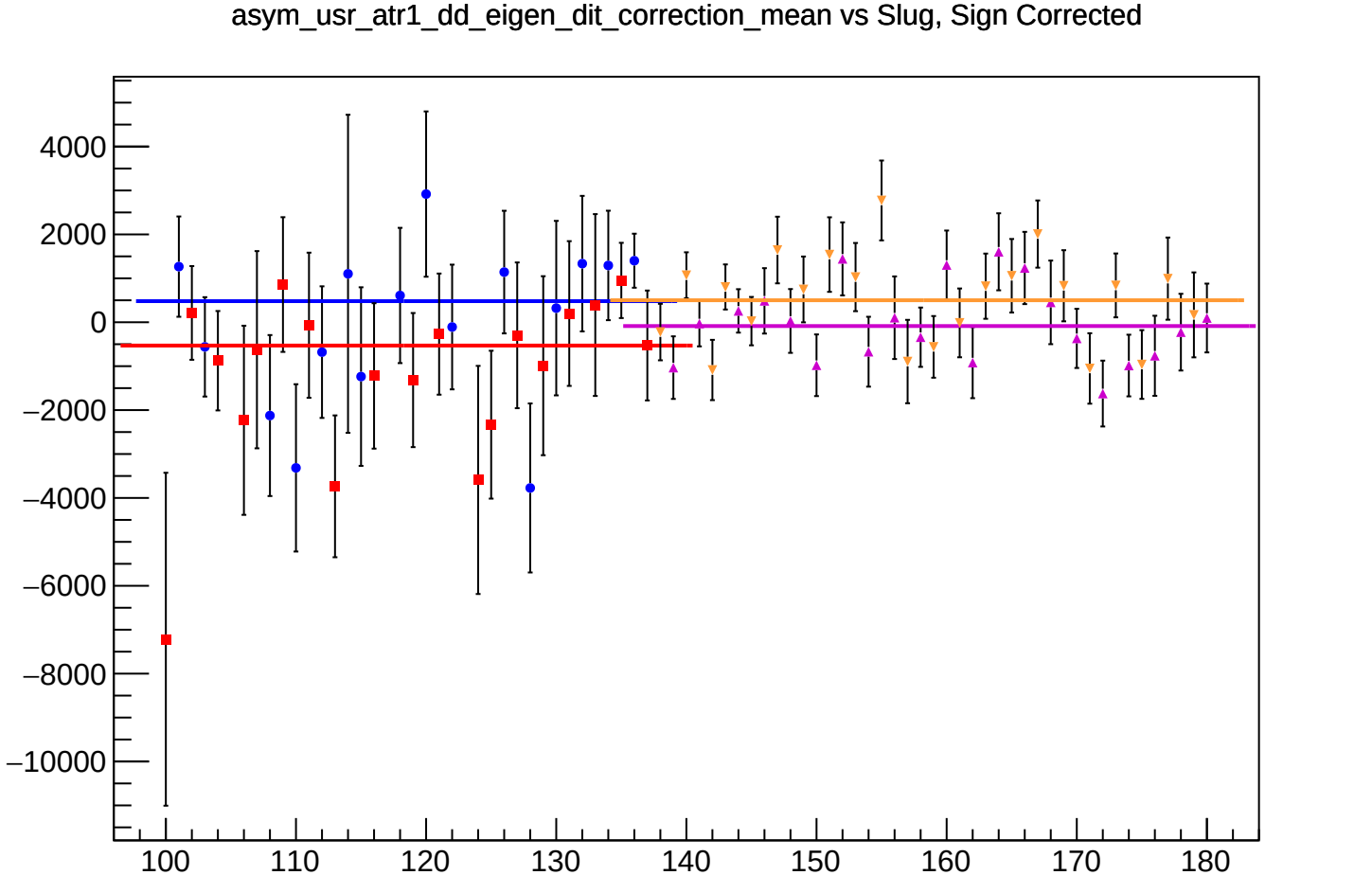
Left: 1322.007+/-0.159 χ^2/NDF: 6409.9/42

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.286+/-0.192 χ^2/NDF:772394.1/36

Out: 1332.325+/-0.190 χ^2/NDF:216684.6/40

All: 1333.293+/-0.135 χ^2/NDF: 989131.5/77


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
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−8000
−10000
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120
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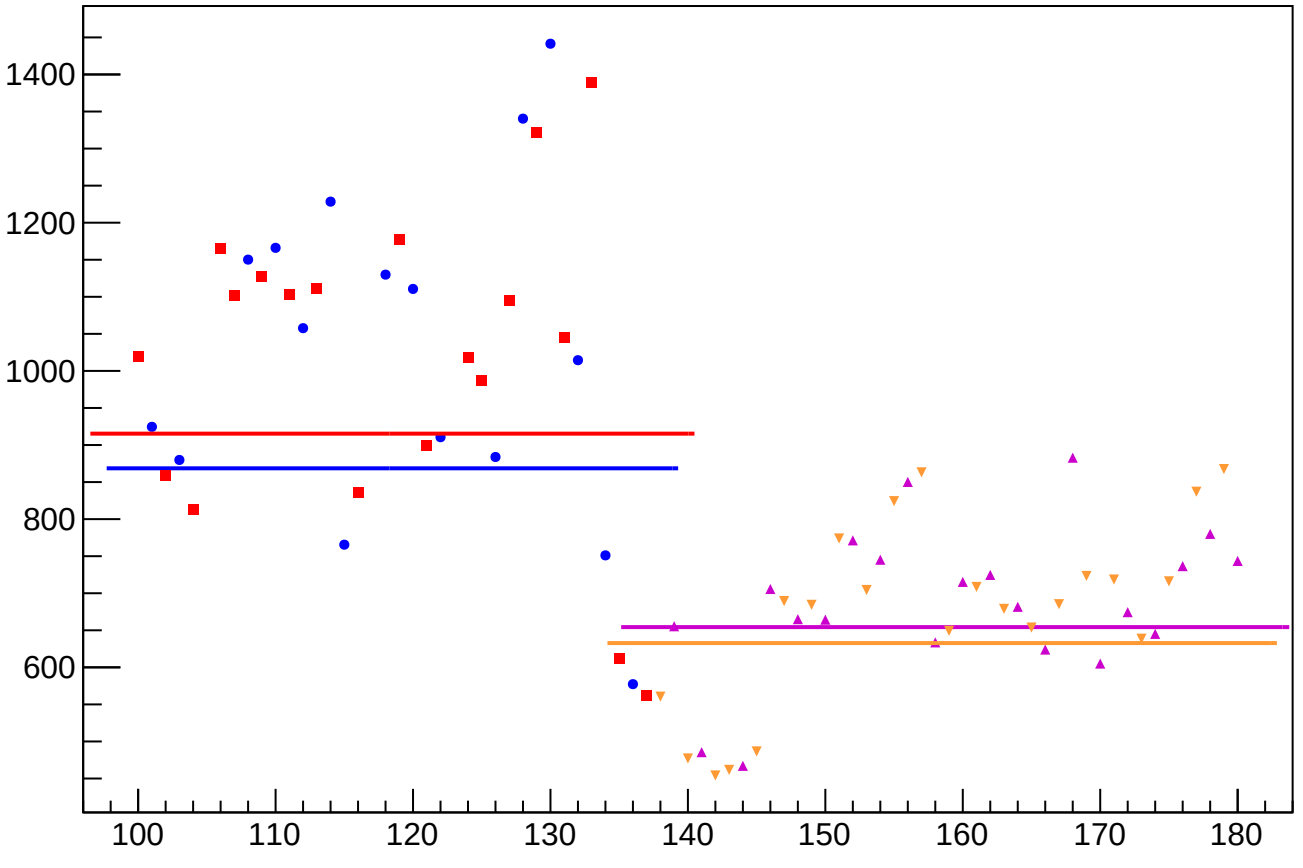
150
160
170
180
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 500.798+/-155.009 χ²/NDF:36.9/21
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -86.360+/-160.021 χ²/NDF:26.1/20
Left: 216.558+/-111.338 χ²/NDF: 69.9/42
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 18.161+/-144.514 χ²/NDF:47.0/36
Out: 328.490+/-141.469 χ²/NDF:59.9/40
All: 176.630+/-101.093 χ²/NDF: 109.3/77



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323411.9/21

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 654.304+/-0.113 χ^2/NDF:906961.2/20

Left: 643.187+/-0.079 χ^2/NDF: 2249081.6/42

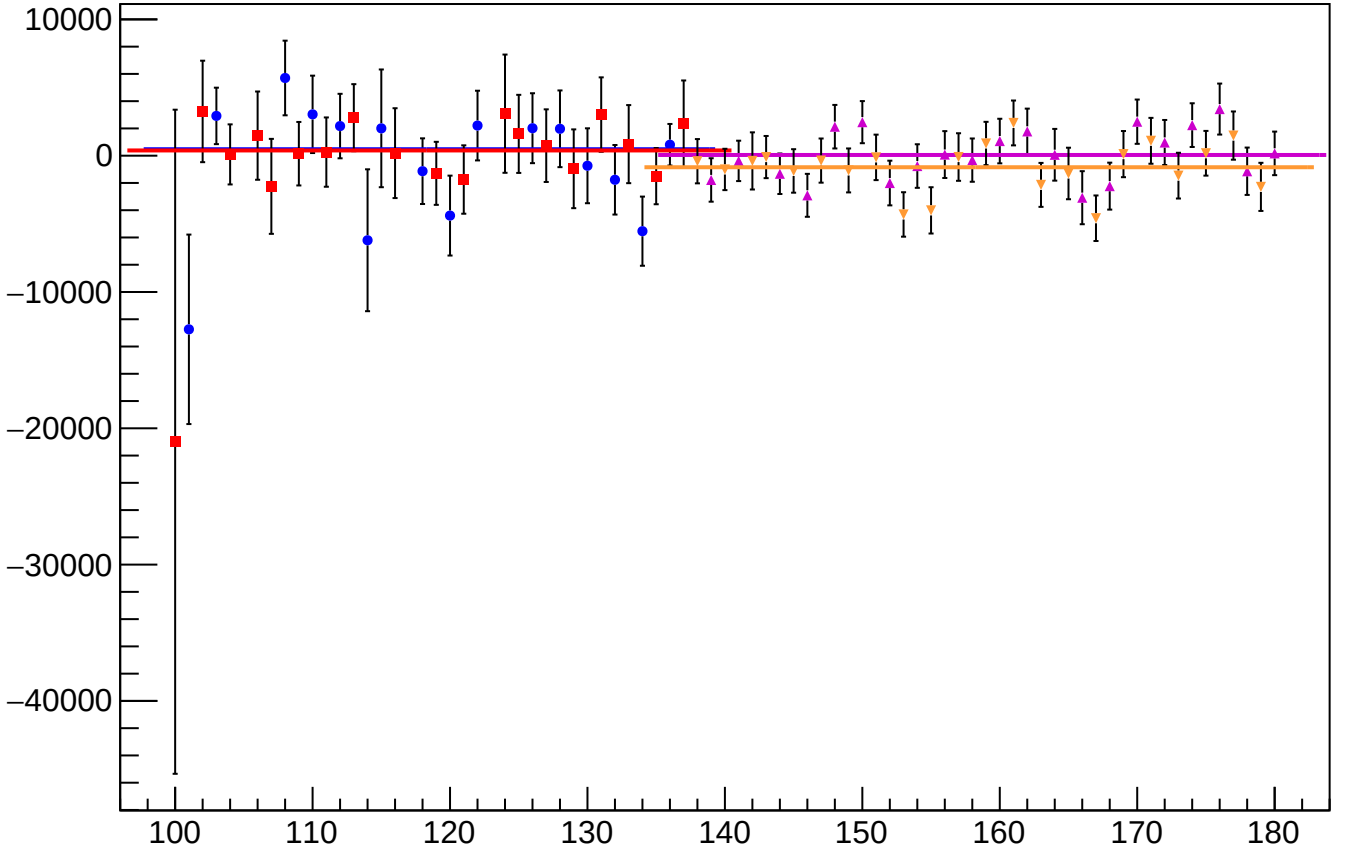
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 693.818+/-0.102 χ^2/NDF:2589574.9/36

Out: 679.972+/-0.100 χ^2/NDF:3292958.2/40

All: 686.747+/-0.071 χ^2/NDF: 5891909.1/77

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -847.581+/-356.074 χ^2/NDF:24.3/21

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 52.358+/-358.752 χ^2/NDF:25.8/20

Left: -400.982+/-252.724 χ^2/NDF: 53.2/42

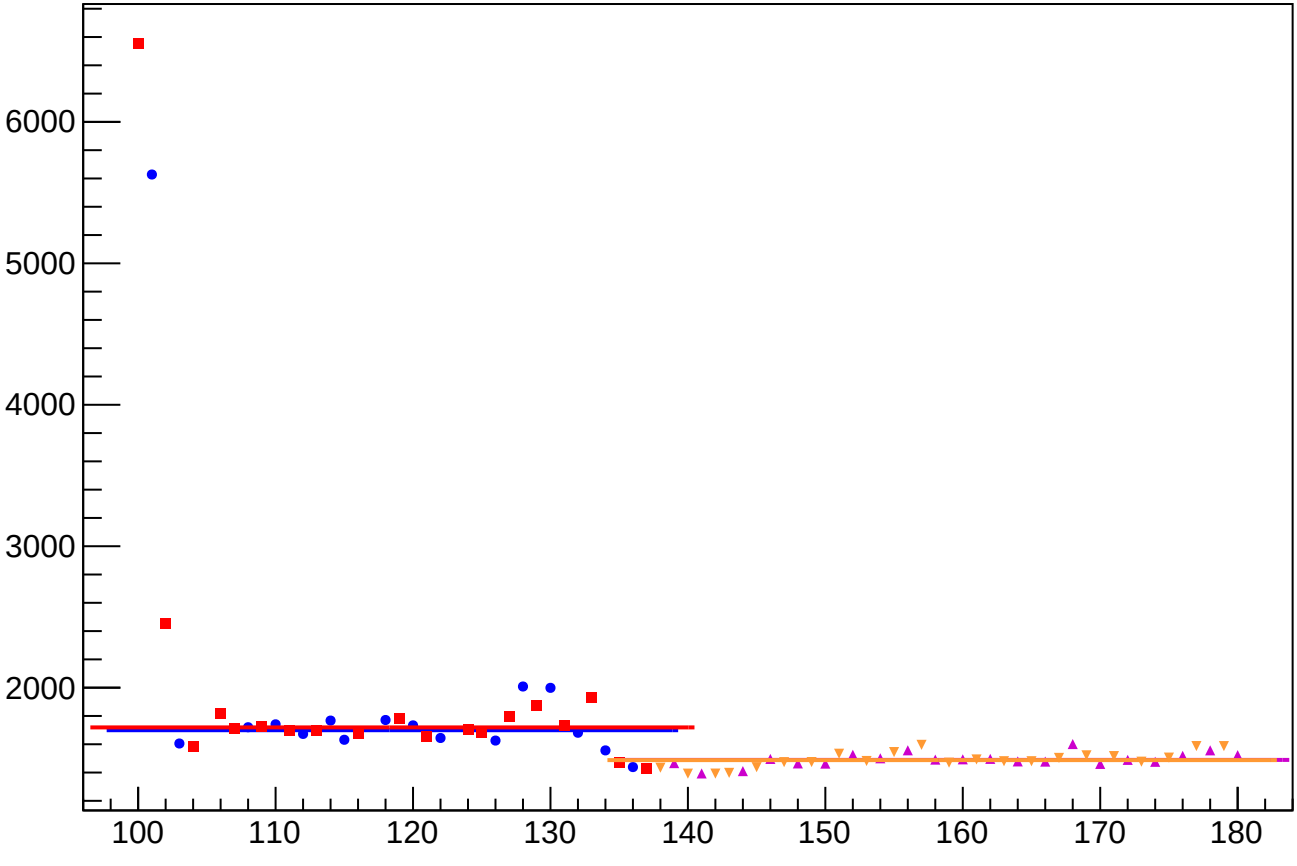
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 150.867+/-314.003 χ^2/NDF:48.8/36

Out: -557.662+/-311.386 χ^2/NDF:34.3/40

All: -206.362+/-221.103 χ^2/NDF: 85.7/77

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1487.878+/-0.252 χ^2/NDF:49490.7/21

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1489.339+/-0.254 χ^2/NDF:33564.8/20

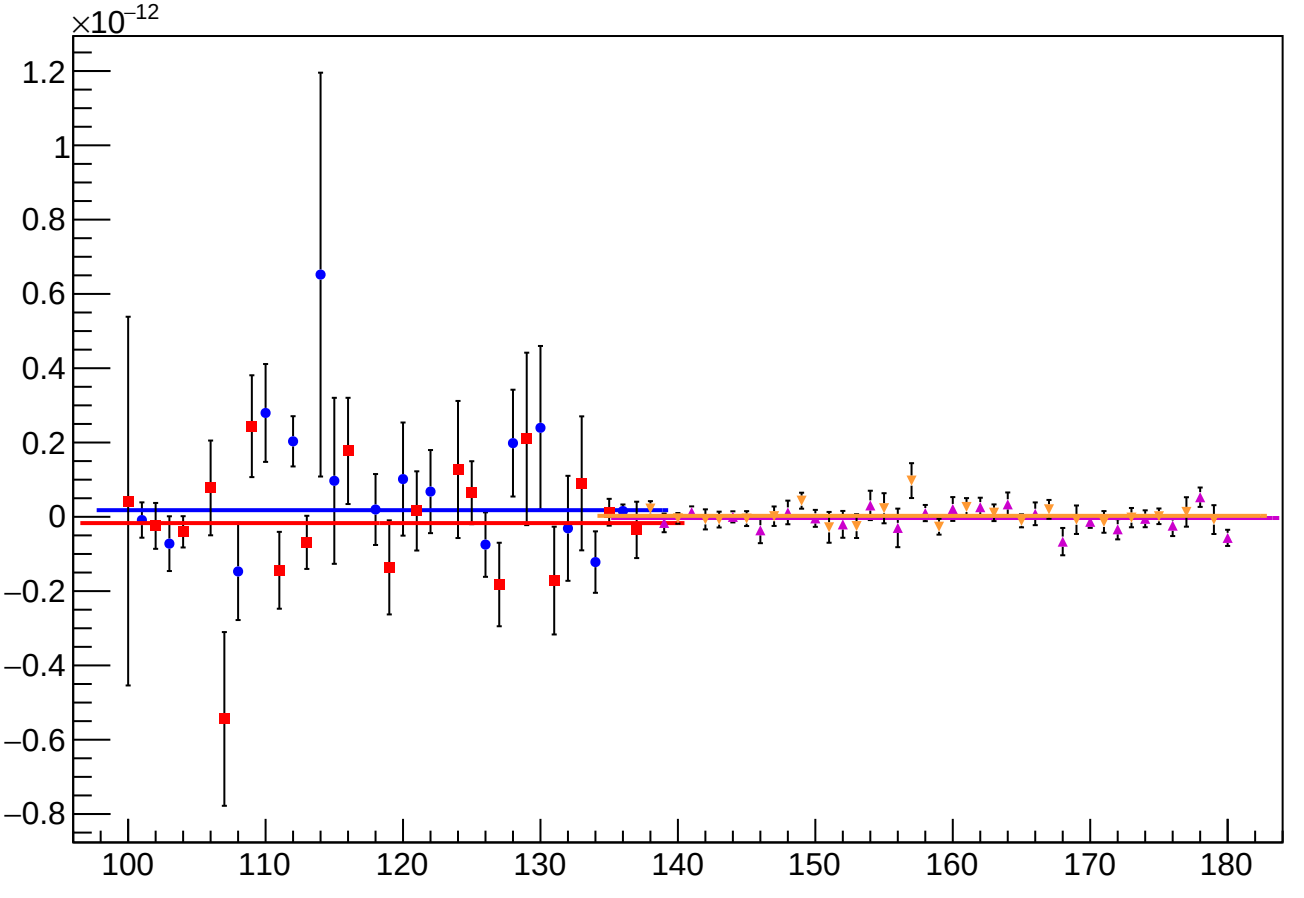
Left: 1488.603+/-0.179 χ^2/NDF: 83072.2/42

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1538.458+/-0.222 χ^2/NDF:955947.7/36

Out: 1542.275+/-0.220 χ^2/NDF:481647.9/40

All: 1540.383+/-0.156 χ^2/NDF: 1437744.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/20

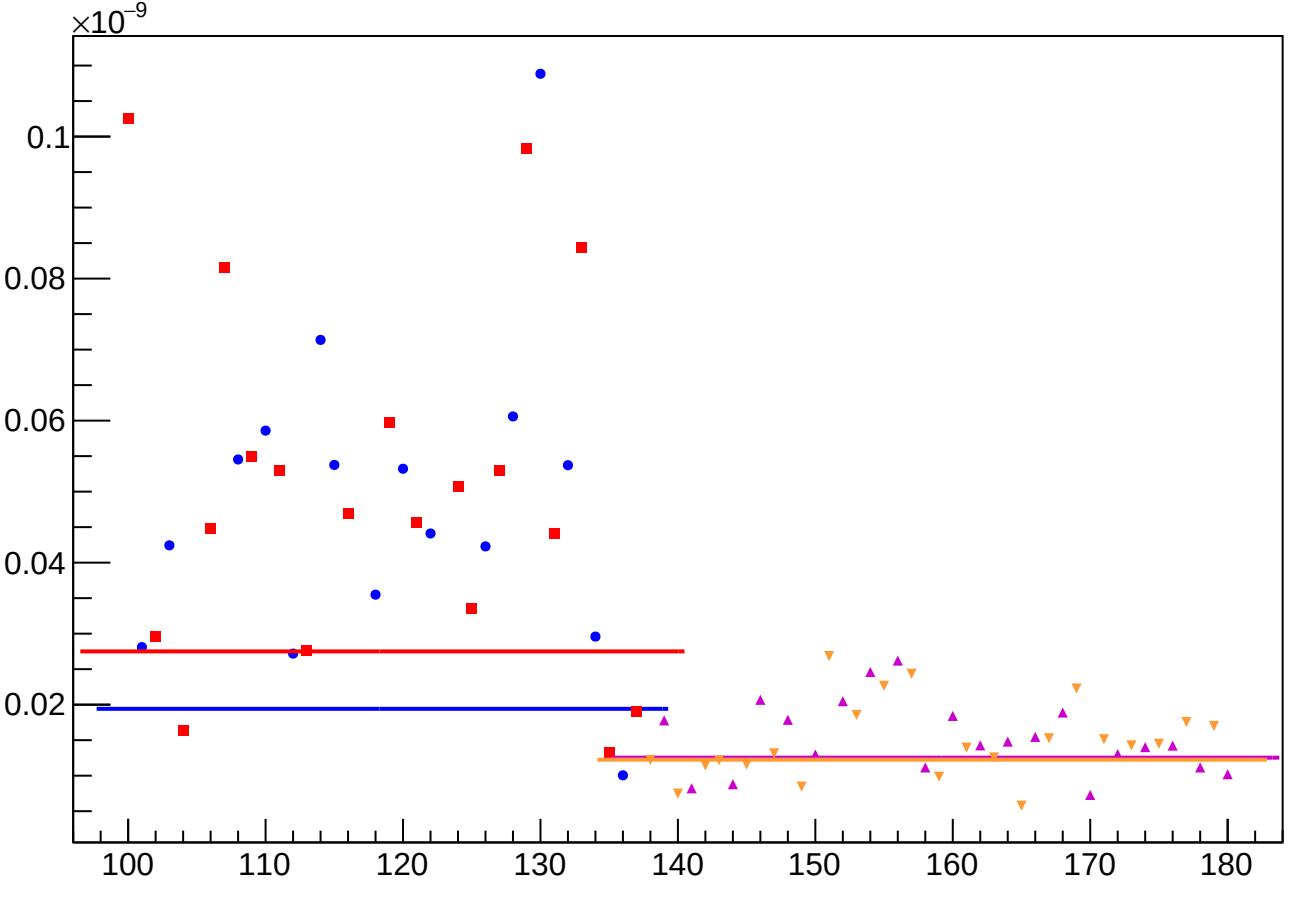
Left: -0.000+/-0.000 χ^2/NDF: 39.4/42

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: -0.000+/-0.000 χ^2/NDF:48.7/36

Out: 0.000+/-0.000 χ^2/NDF:37.8/40

All: 0.000+/-0.000 χ^2/NDF: 86.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1474606.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1382238.7/20

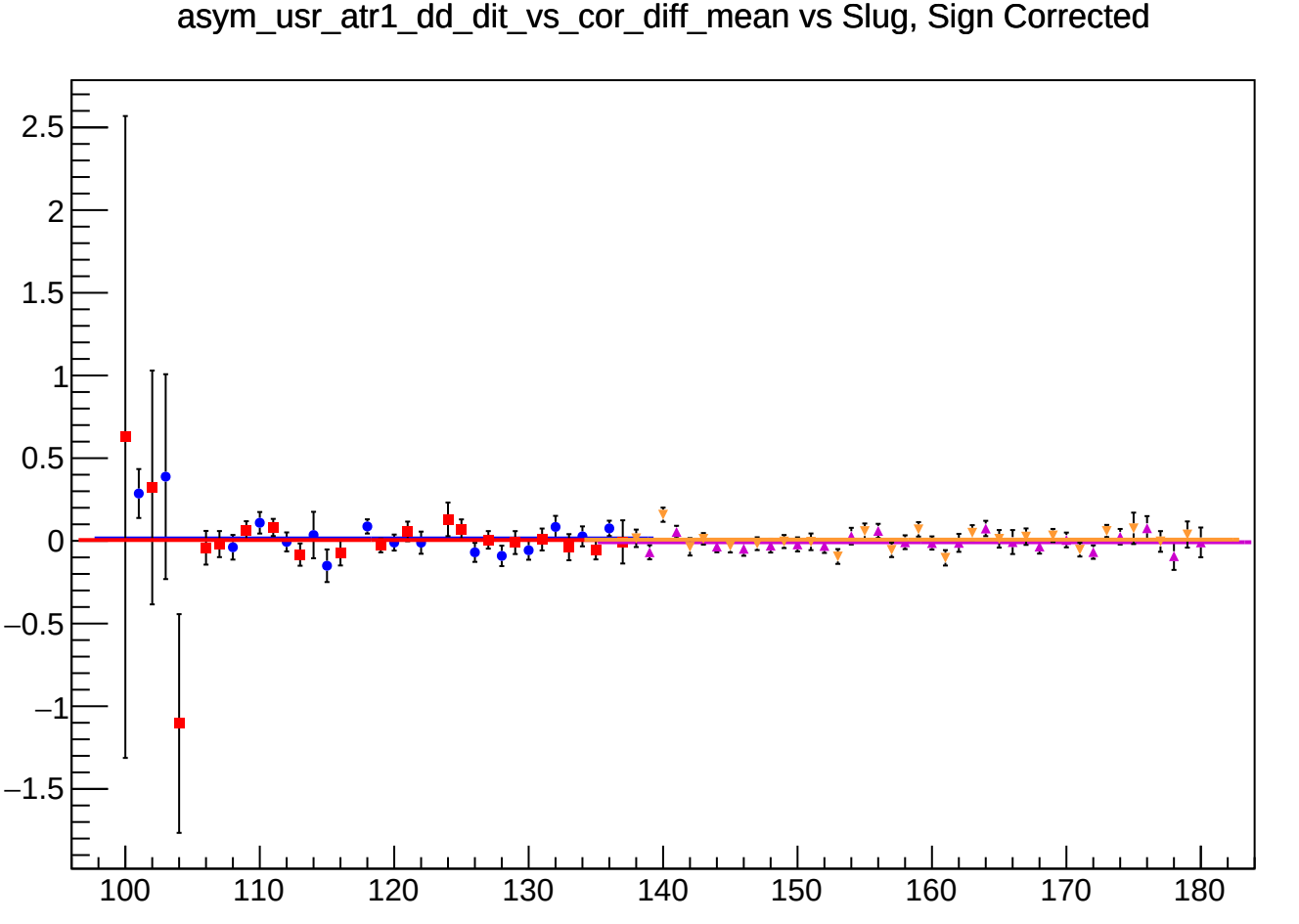
Left: 0.000+/-0.000 χ^2/NDF: 2859768.1/42

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:4059099.6/36

Out: 0.000+/-0.000 χ^2/NDF:4311575.9/40

All: 0.000+/-0.000 χ^2/NDF: 8370904.0/77



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/20

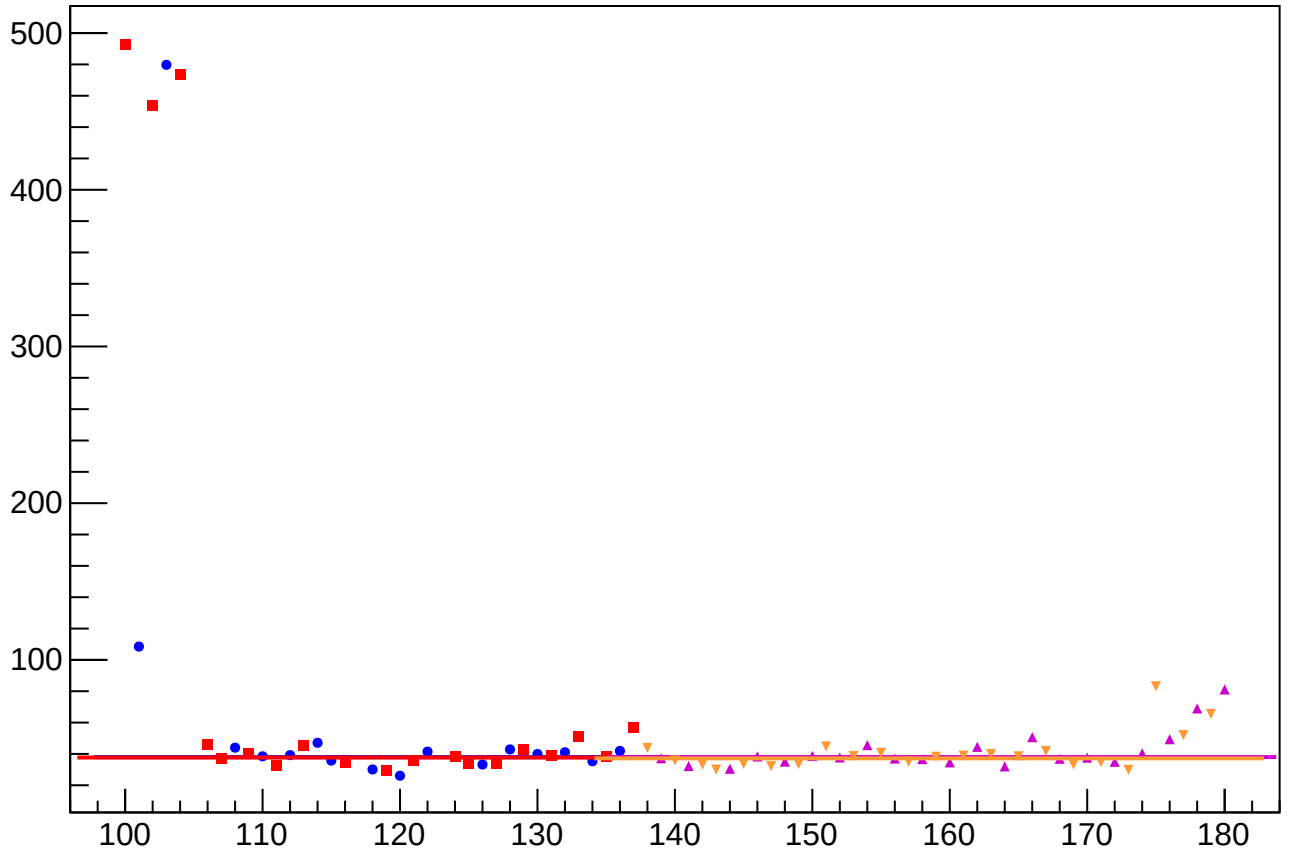
Left: -0.000+/-0.007 χ^2/NDF: 56.5/42

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/36

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/77



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

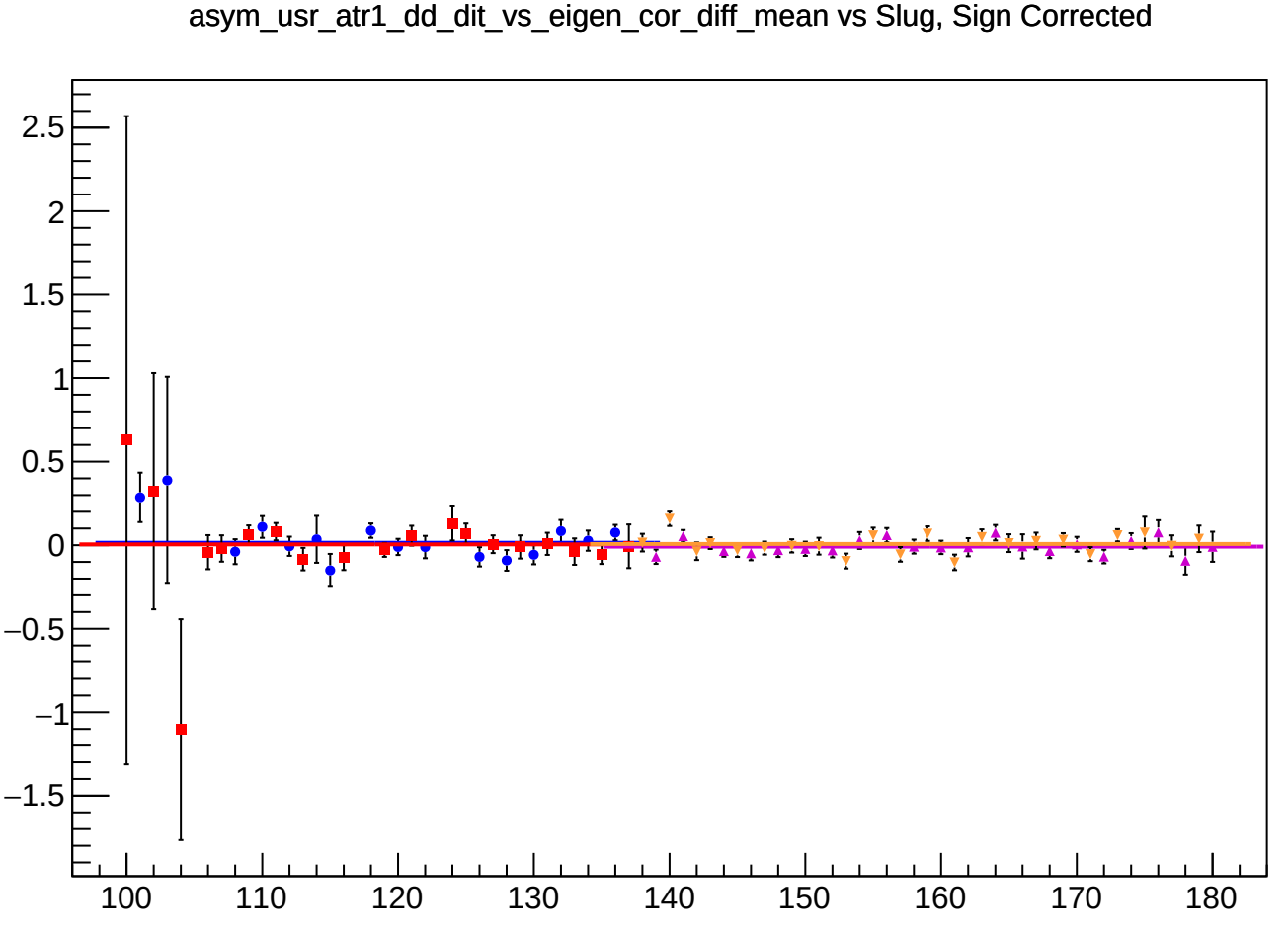
Left: 37.569+/-0.005 χ^2/NDF: 2378416.8/42

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.974+/-0.006 χ^2/NDF:2880946.6/36

Out: 37.314+/-0.006 χ^2/NDF:3176787.9/40

All: 37.638+/-0.004 χ^2/NDF: 6063920.0/77


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
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1
0.5
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−0.5
−1
−1.5
100
110
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130
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150
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170
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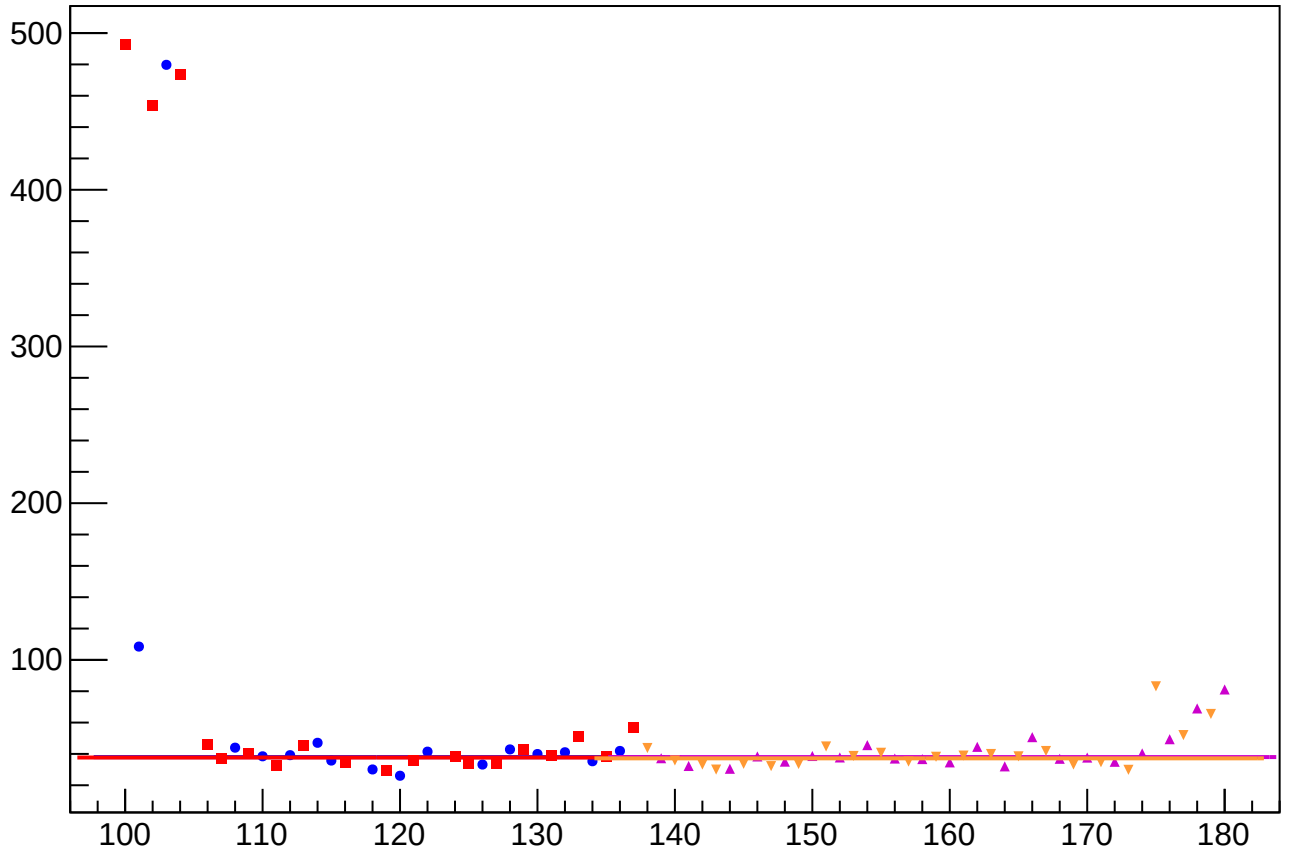
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.007+/-0.010 χ²/NDF:36.6/21
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.008+/-0.010 χ²/NDF:18.7/20
Left: -0.000+/-0.007 χ²/NDF: 56.5/42
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: -0.002+/-0.008 χ²/NDF:42.2/36
Out: 0.007+/-0.008 χ²/NDF:51.5/40
All: 0.003+/-0.006 χ²/NDF: 94.2/77



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.986+/-0.007 χ^2/NDF:1141266.4/20

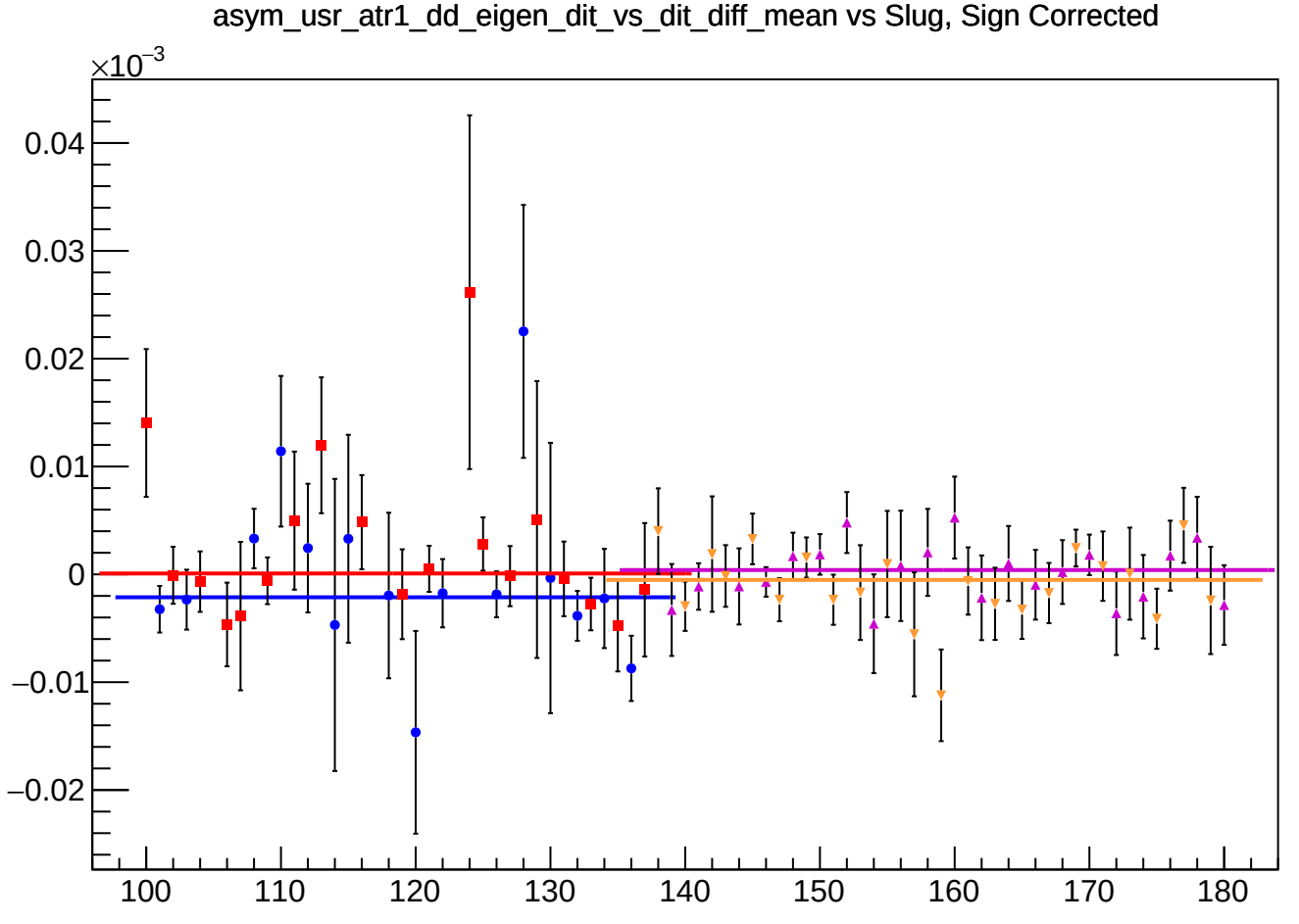
Left: 37.569+/-0.005 χ^2/NDF: 2378416.8/42

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.974+/-0.006 χ^2/NDF:2880946.6/36

Out: 37.314+/-0.006 χ^2/NDF:3176787.9/40

All: 37.638+/-0.004 χ^2/NDF: 6063920.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/20

Left: -0.000+/-0.000 χ^2/NDF: 37.8/42

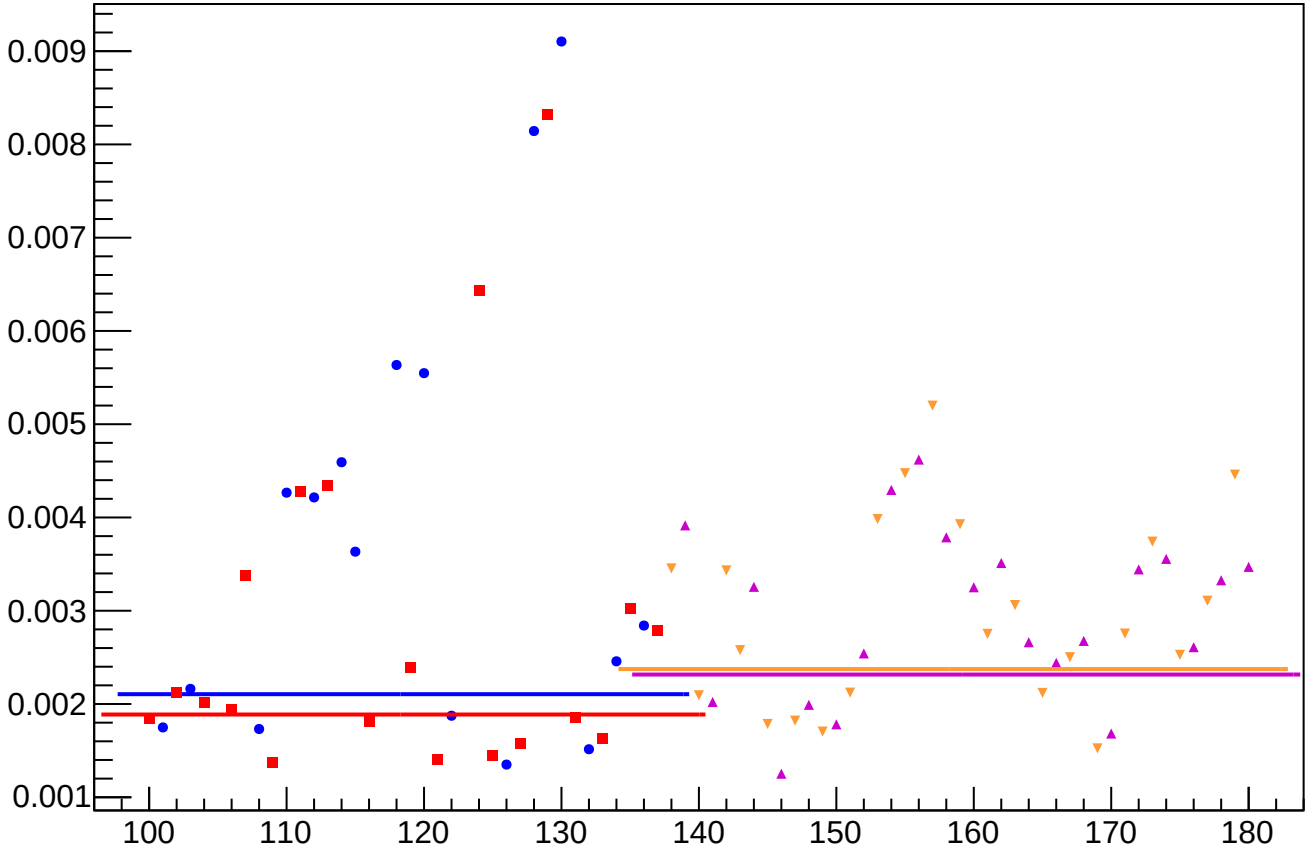
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:38.6/36

Out: -0.000+/-0.000 χ^2/NDF:42.7/40

All: -0.000+/-0.000 χ^2/NDF: 81.3/77

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3519417.4/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4246888.8/20

Left: 0.002+/-0.000 χ^2/NDF: 7775604.4/42

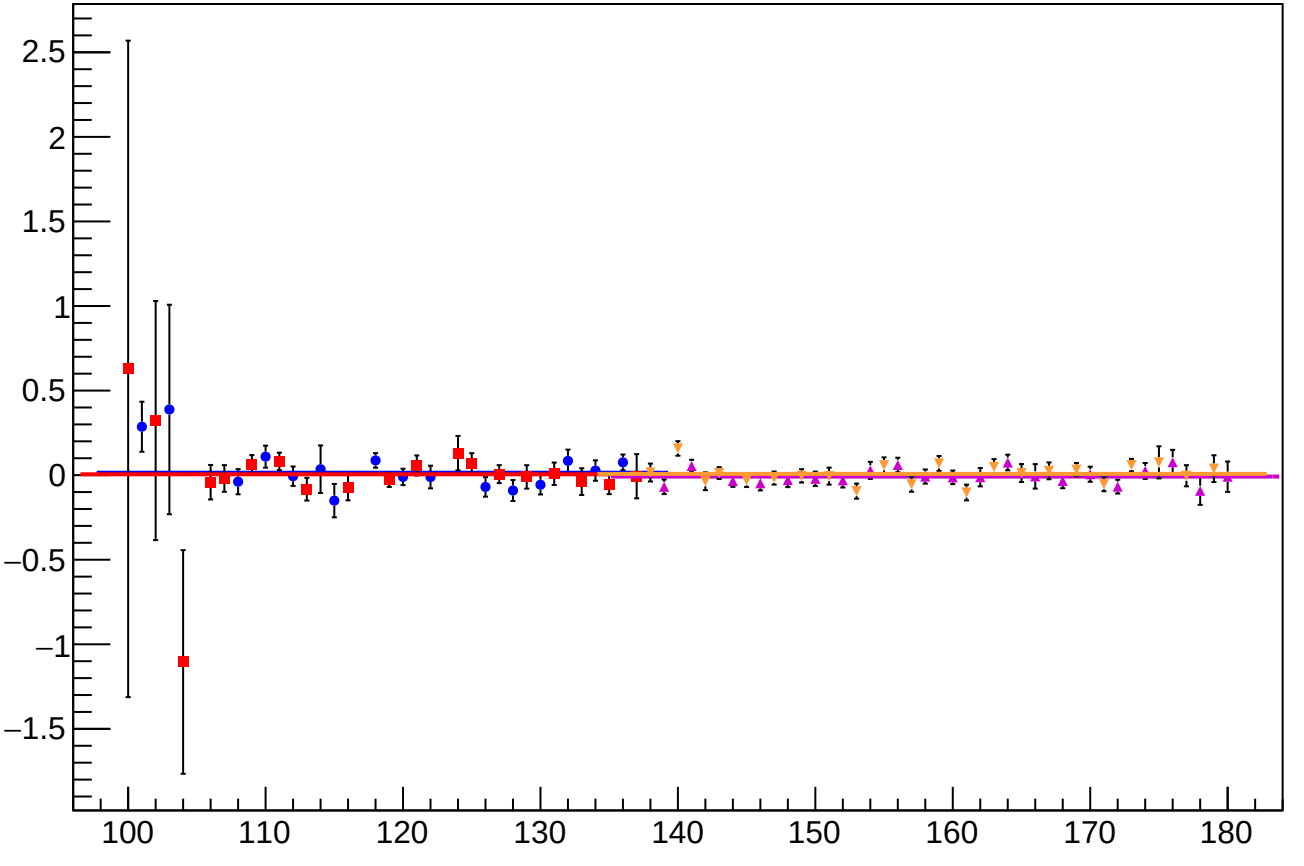
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7340387.4/36

Out: 0.002+/-0.000 χ^2/NDF:5889336.4/40

All: 0.002+/-0.000 χ^2/NDF: 13243363.9/77

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/20

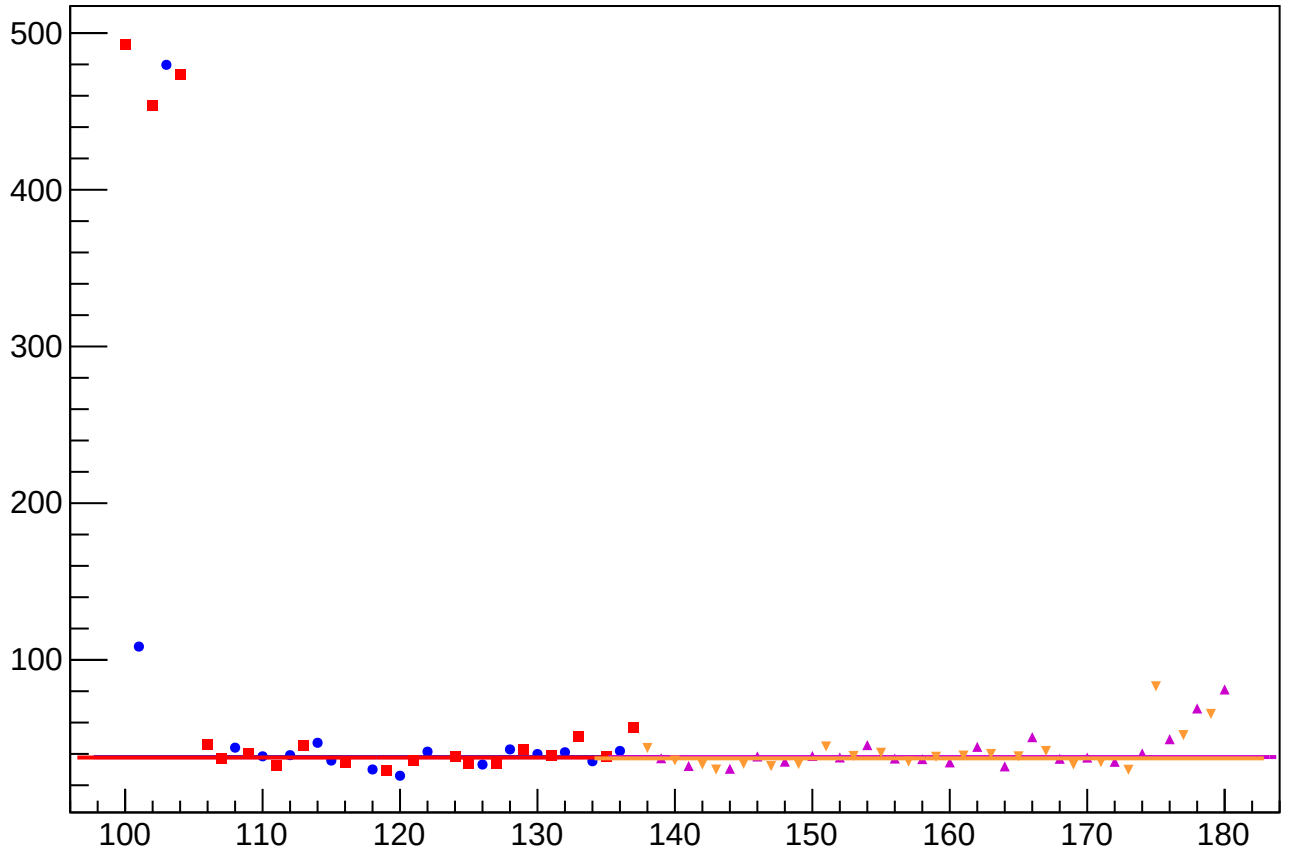
Left: -0.000+/-0.007 χ^2/NDF: 56.5/42

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/36

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/77



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230377.0/21

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

Left: 37.569+/-0.005 χ^2/NDF: 2378460.8/42

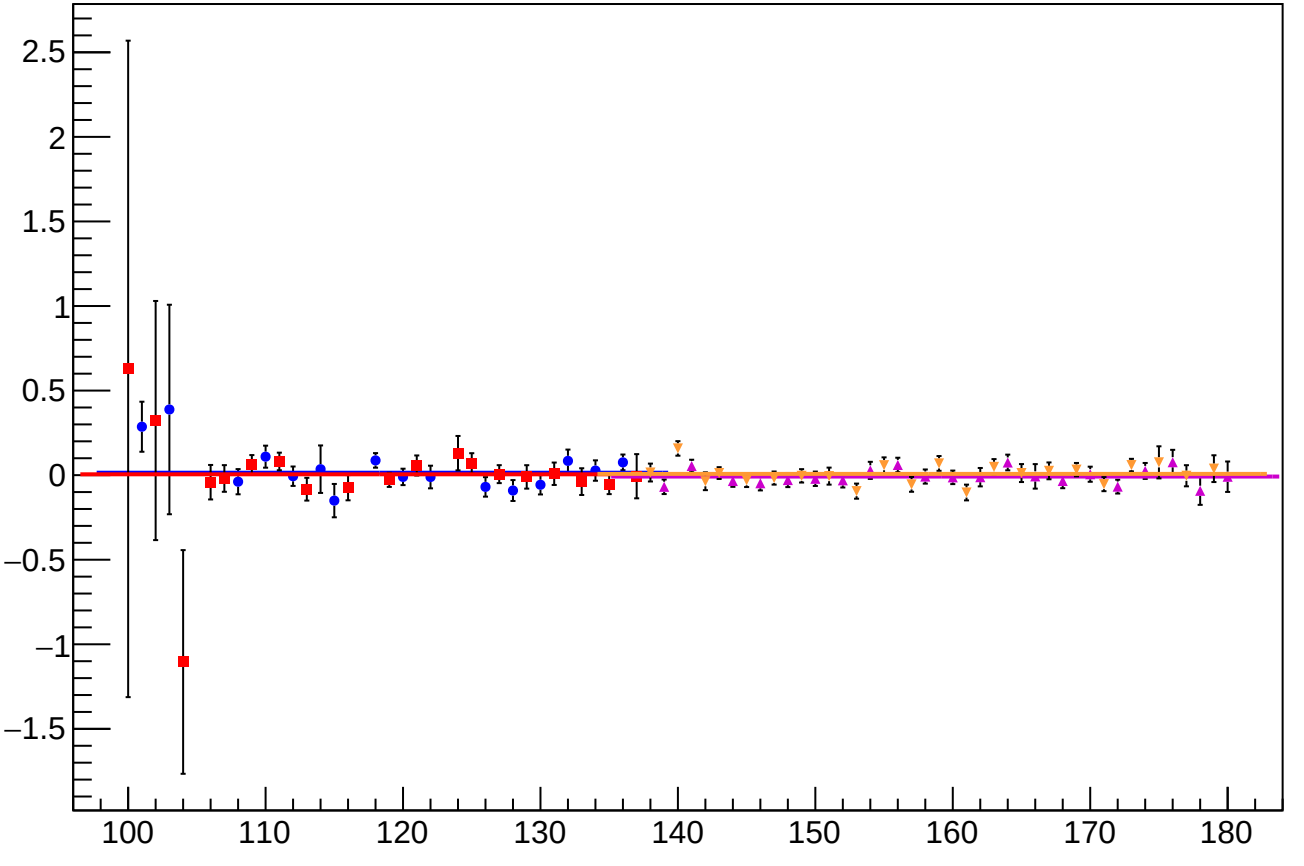
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.973+/-0.006 χ^2/NDF:2880985.5/36

Out: 37.313+/-0.006 χ^2/NDF:3176879.3/40

All: 37.638+/-0.004 χ^2/NDF: 6064050.9/77

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/20

Left: -0.000+/-0.007 χ^2/NDF: 56.5/42

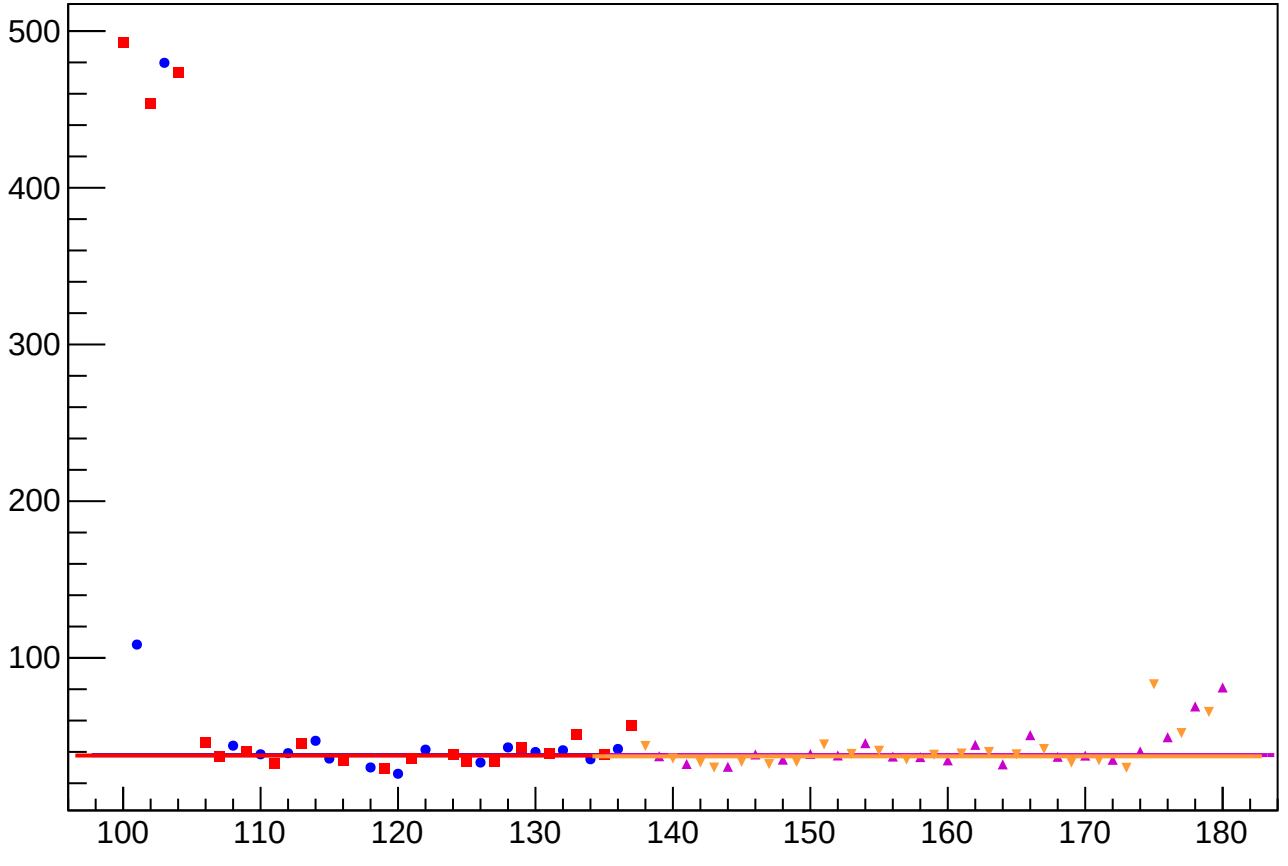
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.2/36

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/77

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: 37.173+/-0.007 χ^2/NDF:1230377.0/21

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.986+/-0.007 χ^2/NDF:1141293.5/20

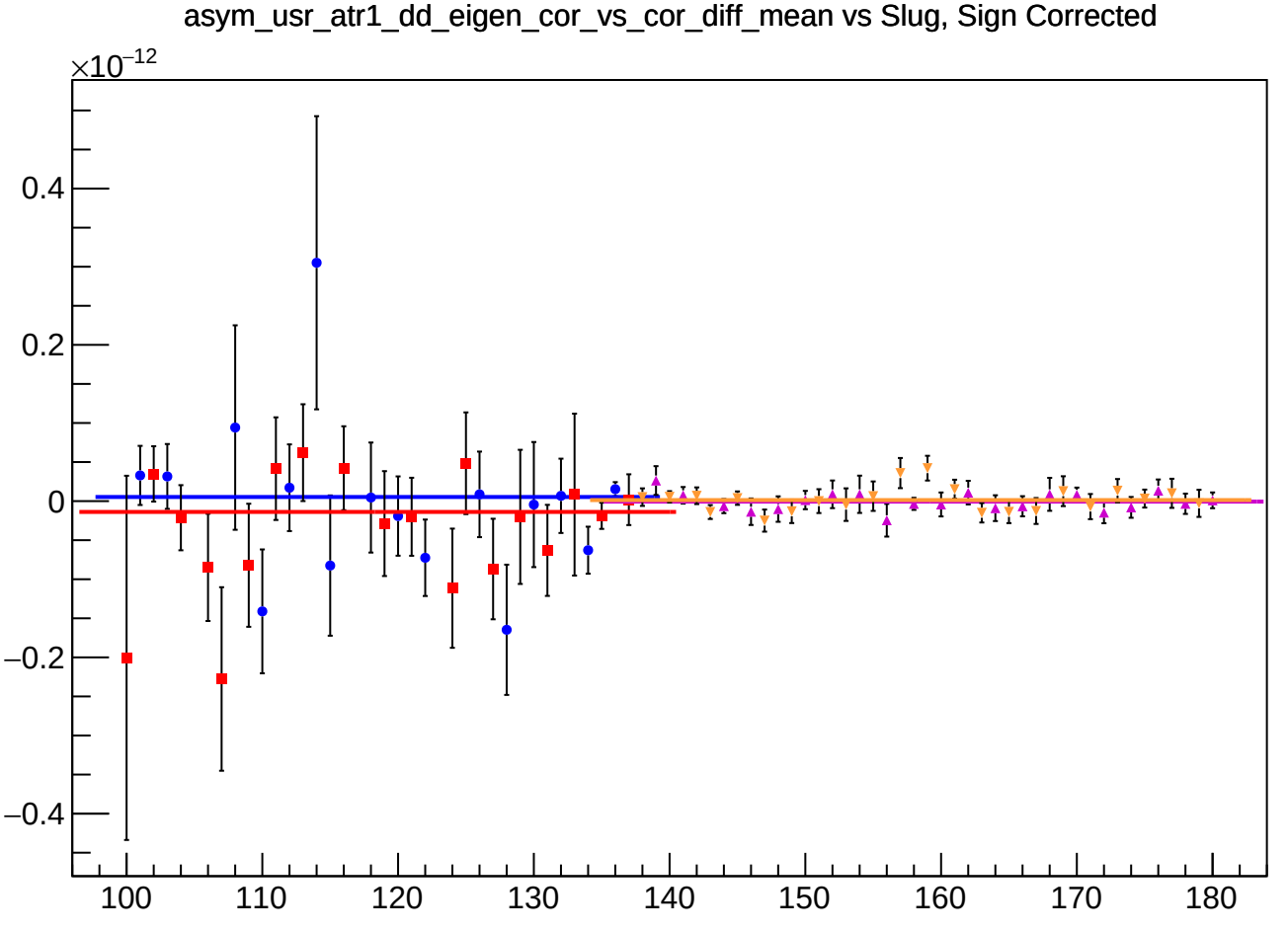
Left: 37.569+/-0.005 χ^2/NDF: 2378460.8/42

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.973+/-0.006 χ^2/NDF:2880985.5/36

Out: 37.313+/-0.006 χ^2/NDF:3176879.3/40

All: 37.638+/-0.004 χ^2/NDF: 6064050.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/21

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

Left In: -0.000+/-0.000 χ^2/NDF:10.5/20

Left: 0.000+/-0.000 χ^2/NDF: 35.3/42

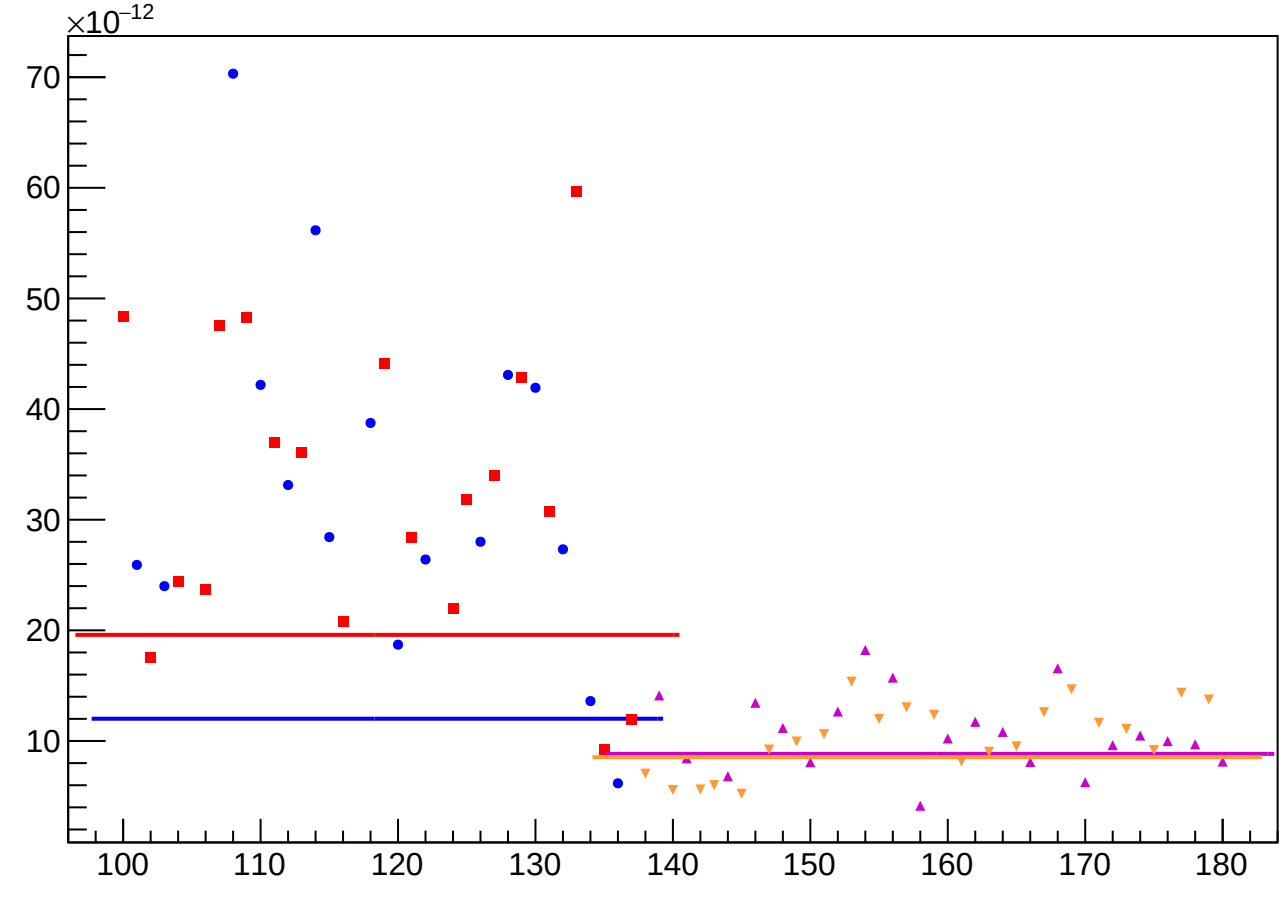
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:32.7/36

Out: 0.000+/-0.000 χ^2/NDF:42.4/40

All: 0.000+/-0.000 χ^2/NDF: 75.2/77

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:2401807.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2435713.7/20

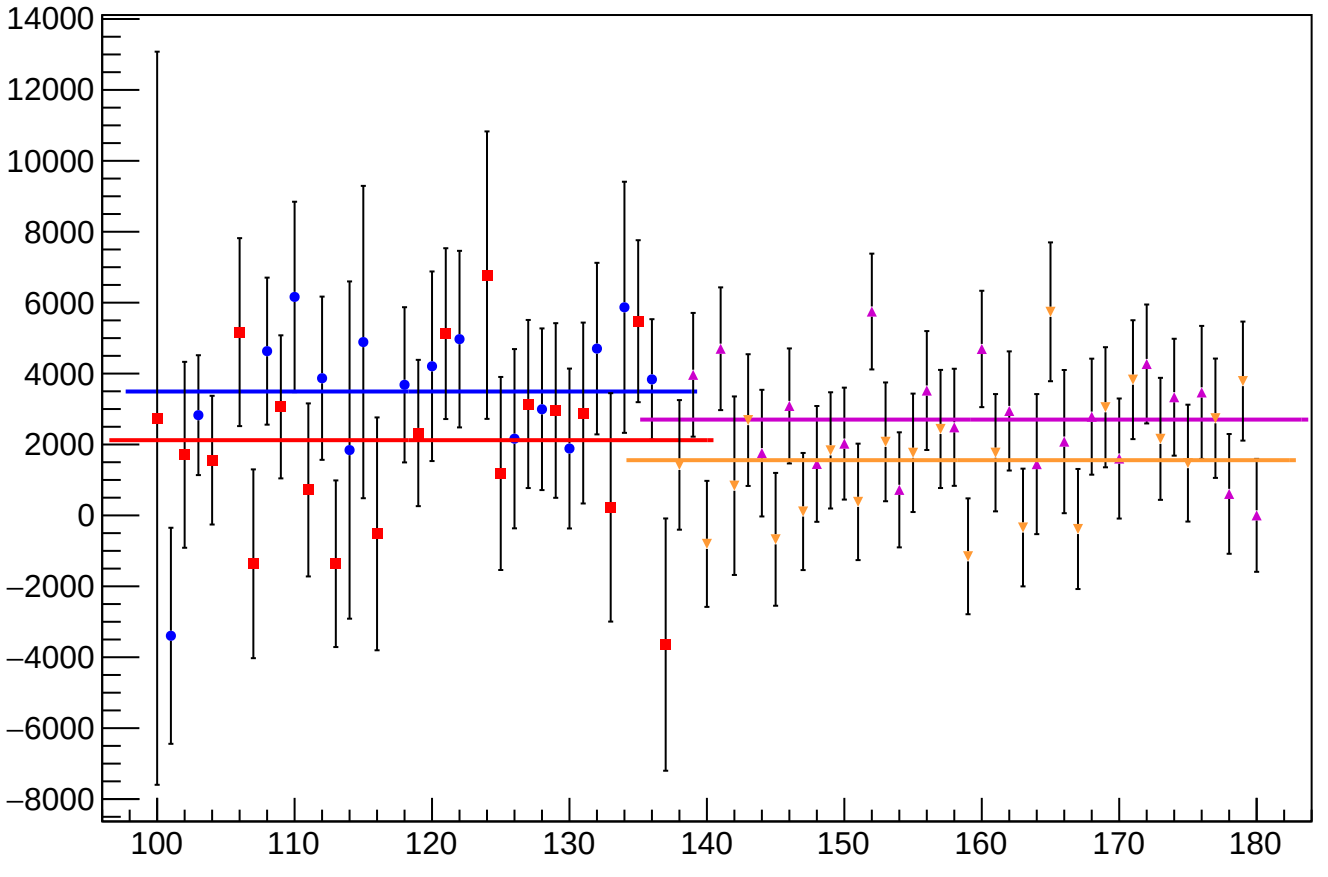
Left: 0.000+/-0.000 χ^2/NDF: 4848867.4/42

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6615866.6/36

Out: 0.000+/-0.000 χ^2/NDF:7076013.1/40

All: 0.000+/-0.000 χ^2/NDF: 13691897.1/77



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.594+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2702.317+/-369.824 χ^2/NDF:16.2/20

Left: 2127.889+/-261.032 χ^2/NDF: 41.3/42

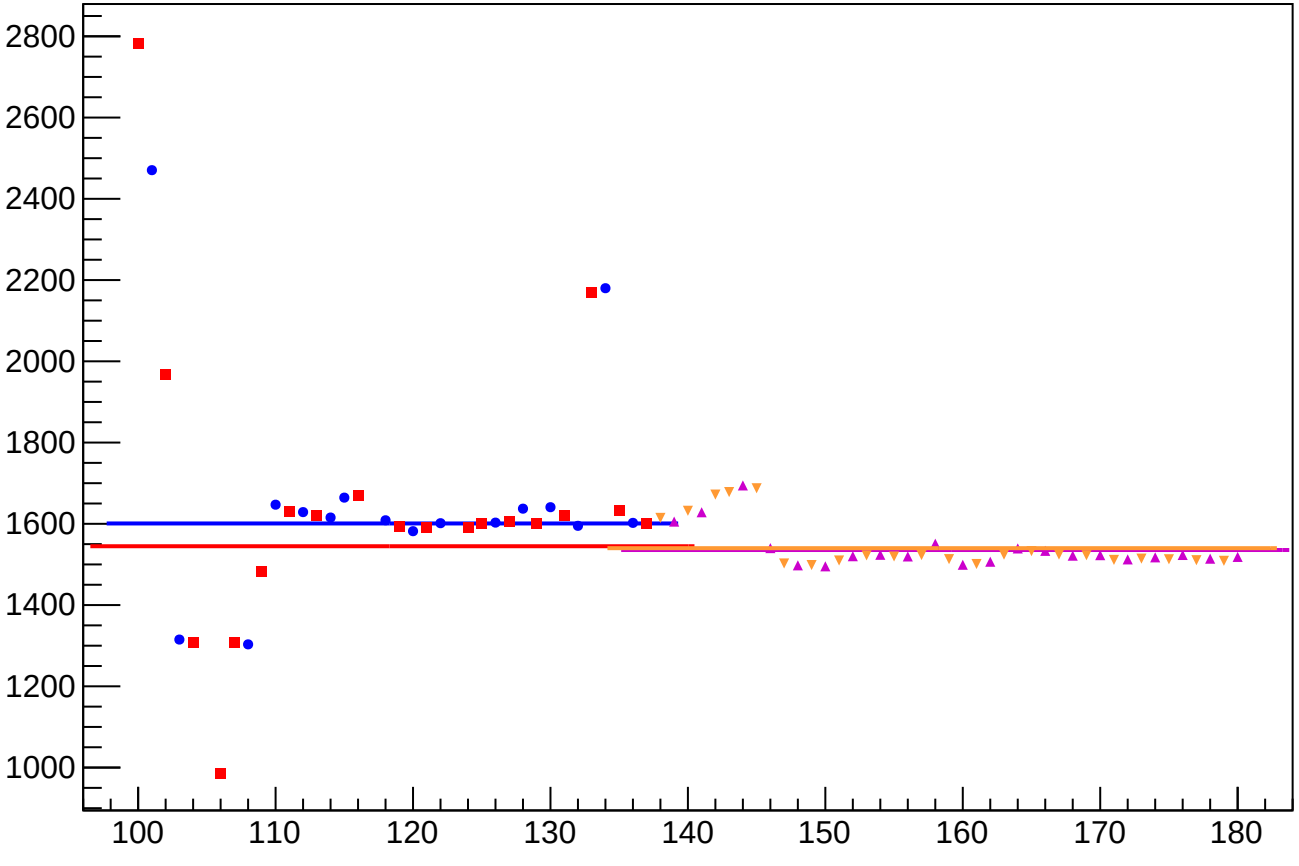
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 2919.763+/-314.995 χ^2/NDF:26.3/36

Out: 1716.819+/-312.185 χ^2/NDF:36.0/40

All: 2312.902+/-221.735 χ^2/NDF: 69.7/77

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

Left: 1537.784+/-0.185 χ^2/NDF: 77591.5/42

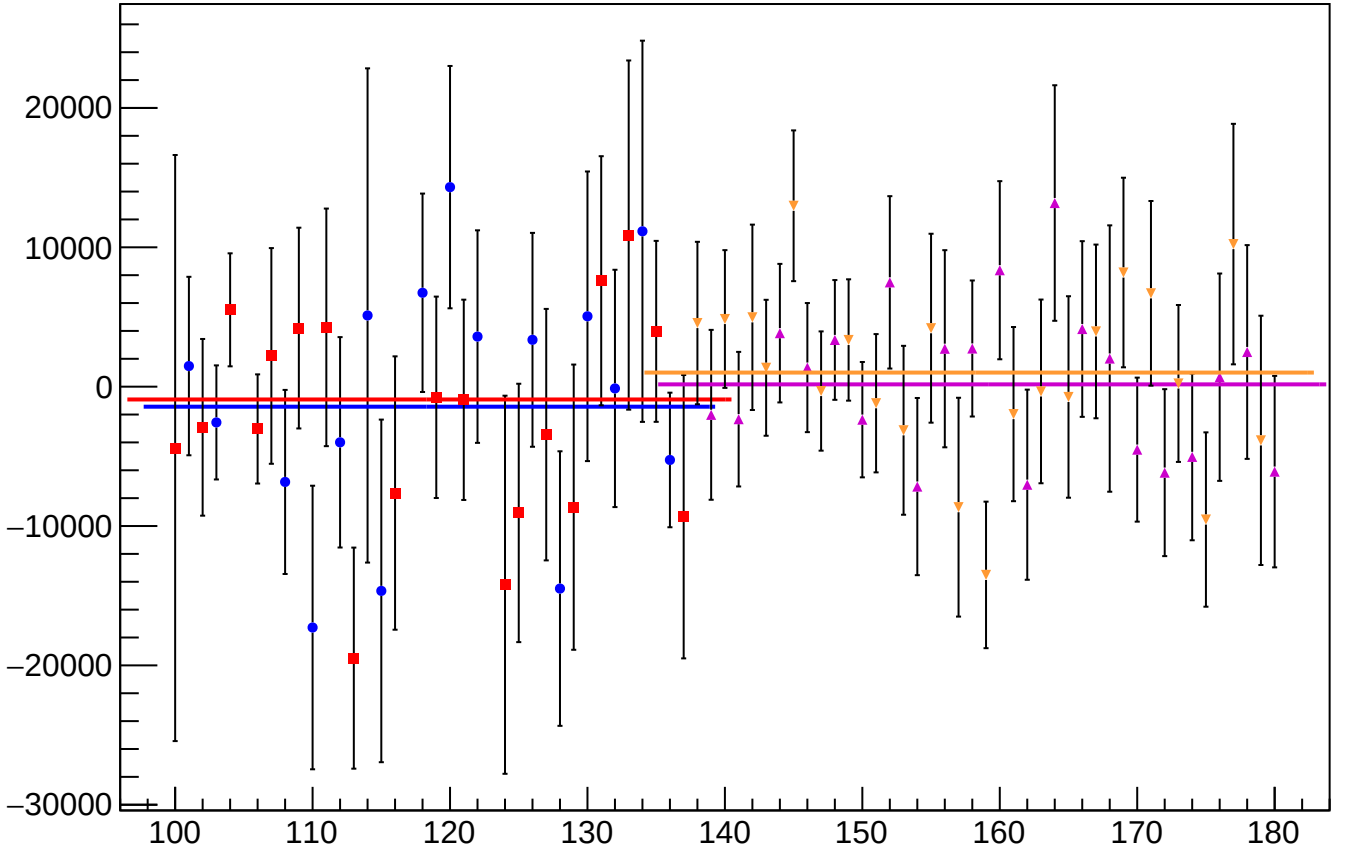
Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1553.466+/-0.223 χ^2/NDF:365482.5/36

Out: 1541.410+/-0.220 χ^2/NDF:422746.6/40

All: 1547.355+/-0.156 χ^2/NDF: 789714.1/77

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1011.186+/-1250.505 χ^2/NDF:23.3/21

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 164.881+/-1262.051 χ^2/NDF:14.3/20

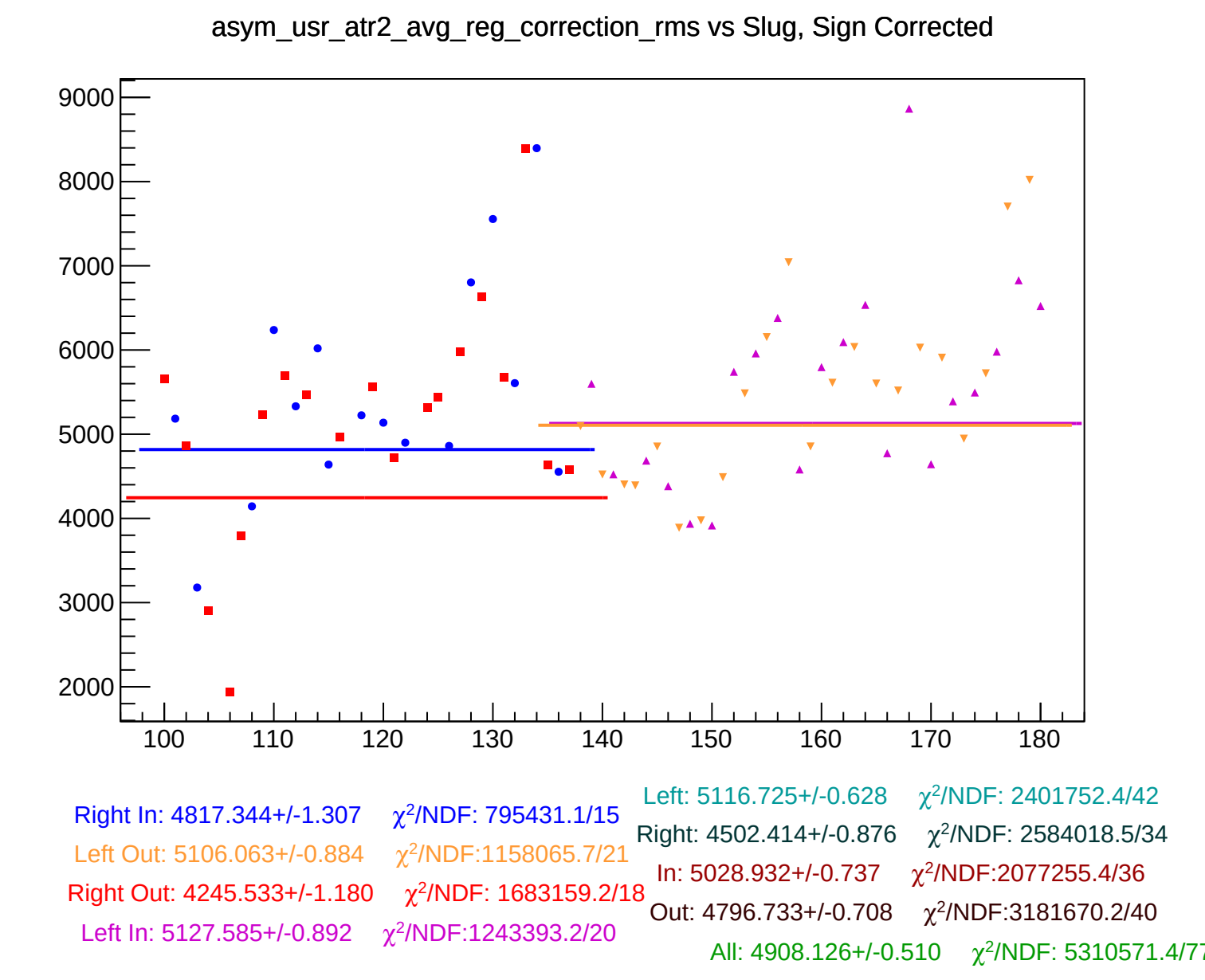
Left: 591.923+/-888.295 χ^2/NDF: 37.8/42

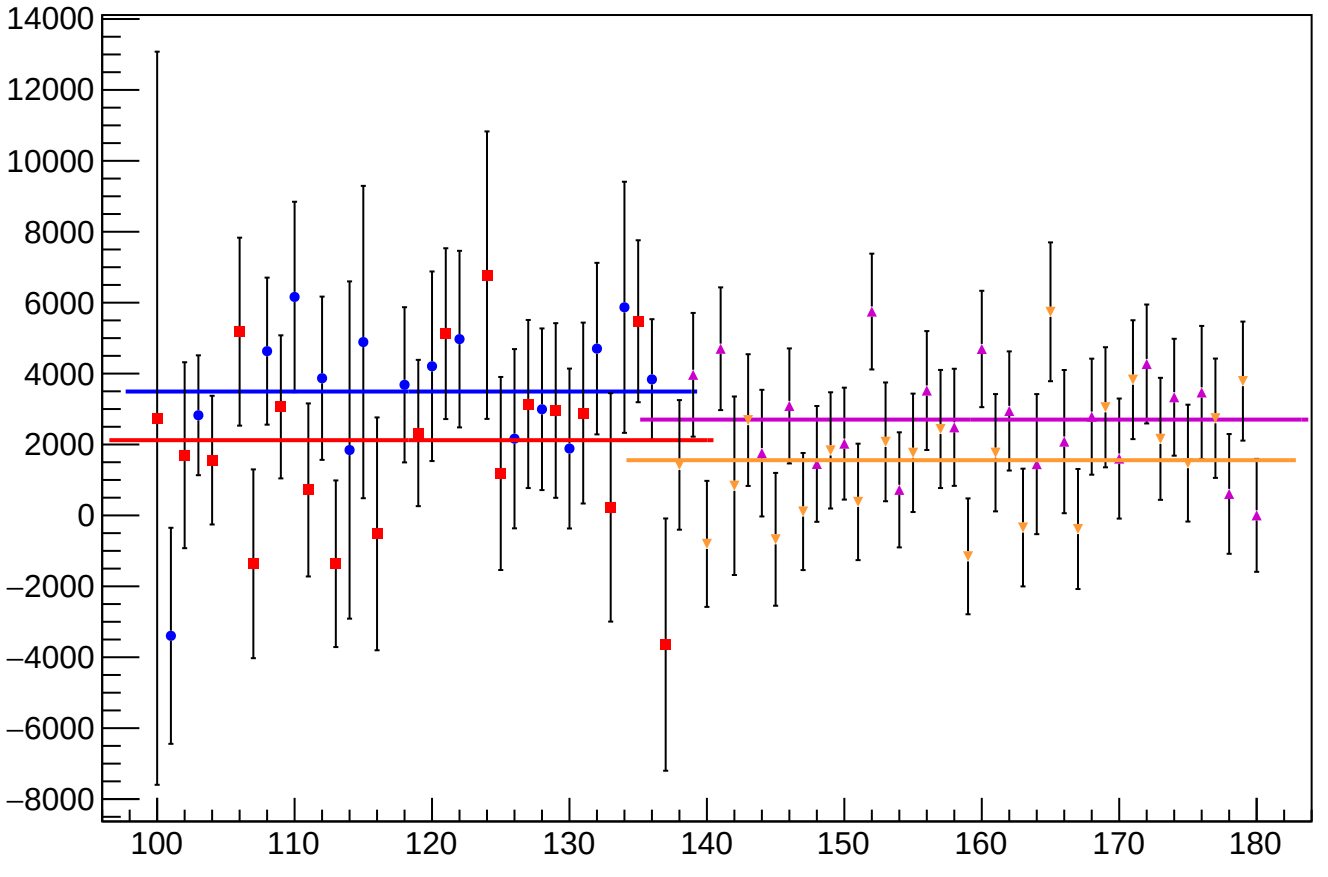
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -344.533+/-1042.254 χ^2/NDF:28.6/36

Out: 317.537+/-1000.822 χ^2/NDF:39.5/40

All: -0.077+/-721.891 χ^2/NDF: 68.4/77


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
180
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 5106.063+/-0.884 χ²/NDF:1158065.7/21
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 5127.585+/-0.892 χ²/NDF:1243393.2/20
Left: 5116.725+/-0.628 χ²/NDF: 2401752.4/42
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 5028.932+/-0.737 χ²/NDF:2077255.4/36
Out: 4796.733+/-0.708 χ²/NDF:3181670.2/40
All: 4908.126+/-0.510 χ²/NDF: 5310571.4/77



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2702.237+/-369.824 χ^2/NDF:16.2/20

Left: 2127.806+/-261.032 χ^2/NDF: 41.3/42

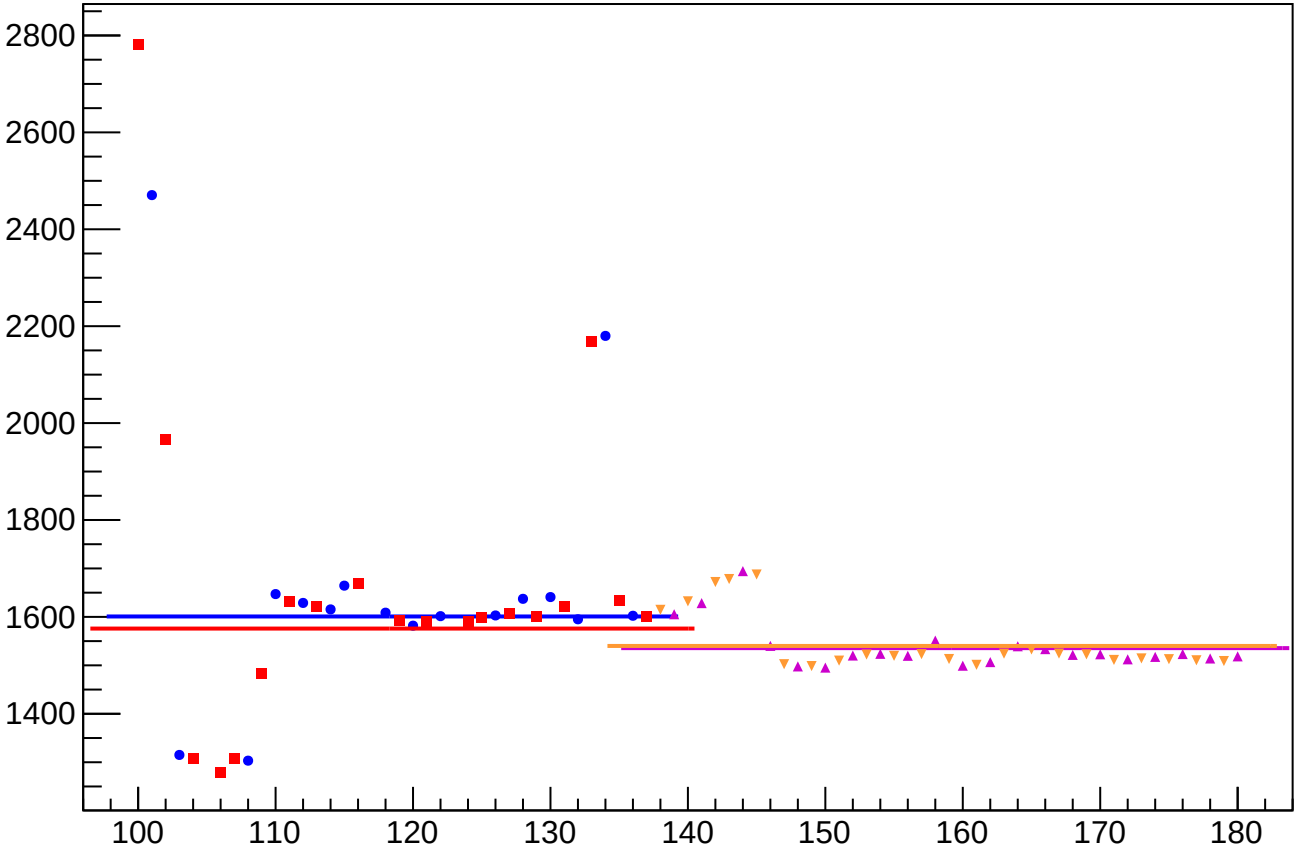
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2919.613+/-314.995 χ^2/NDF:26.3/36

Out: 1716.753+/-312.186 χ^2/NDF:36.1/40

All: 2312.795+/-221.735 χ^2/NDF: 69.7/77

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

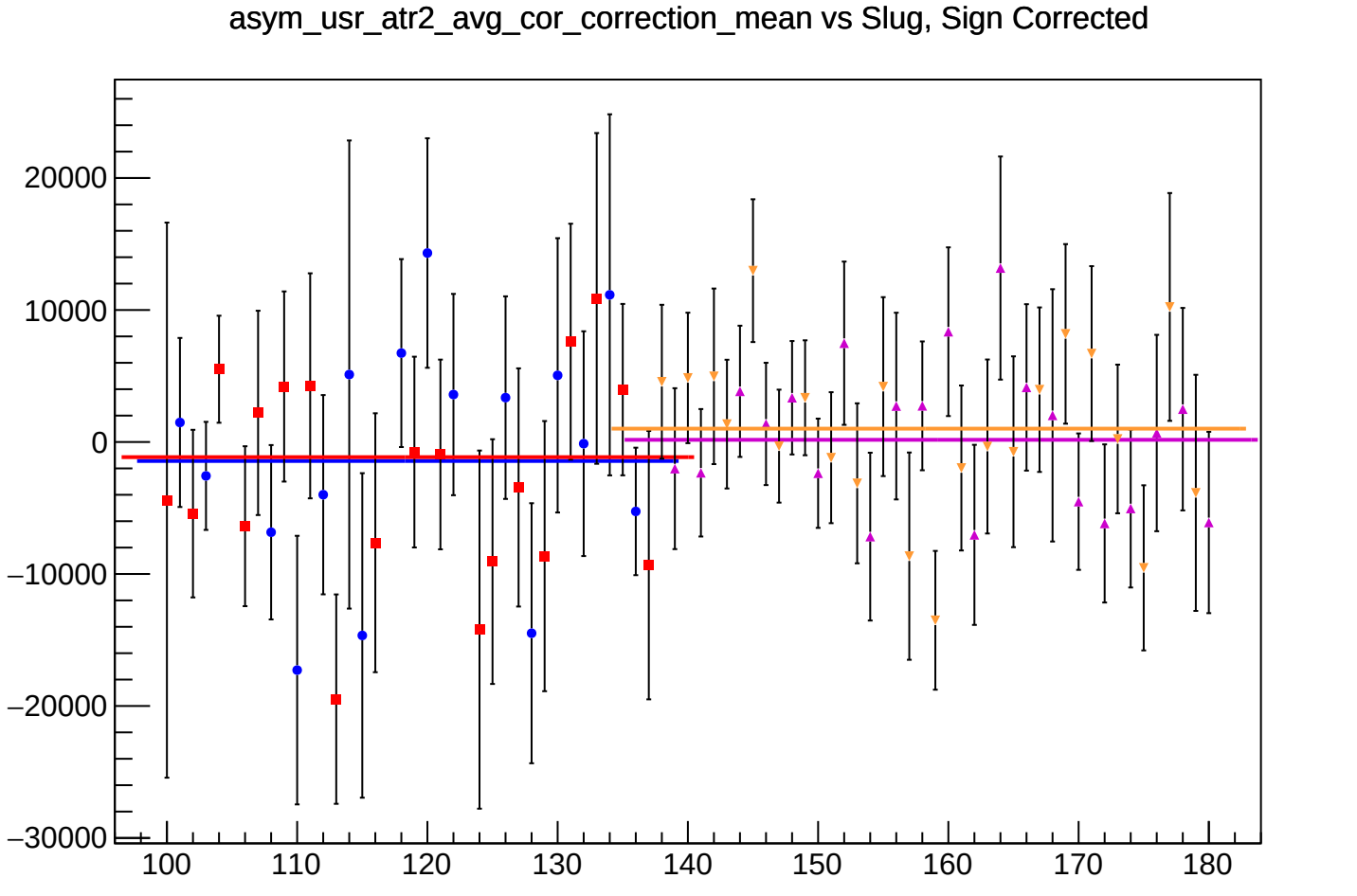
Left: 1537.784+/-0.185 χ^2/NDF: 77591.5/42

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1553.466+/-0.223 χ^2/NDF:365481.8/36

Out: 1550.210+/-0.221 χ^2/NDF:295234.0/40

All: 1551.821+/-0.157 χ^2/NDF: 660823.7/77



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 164.881+/-1262.051 χ^2/NDF:14.3/20

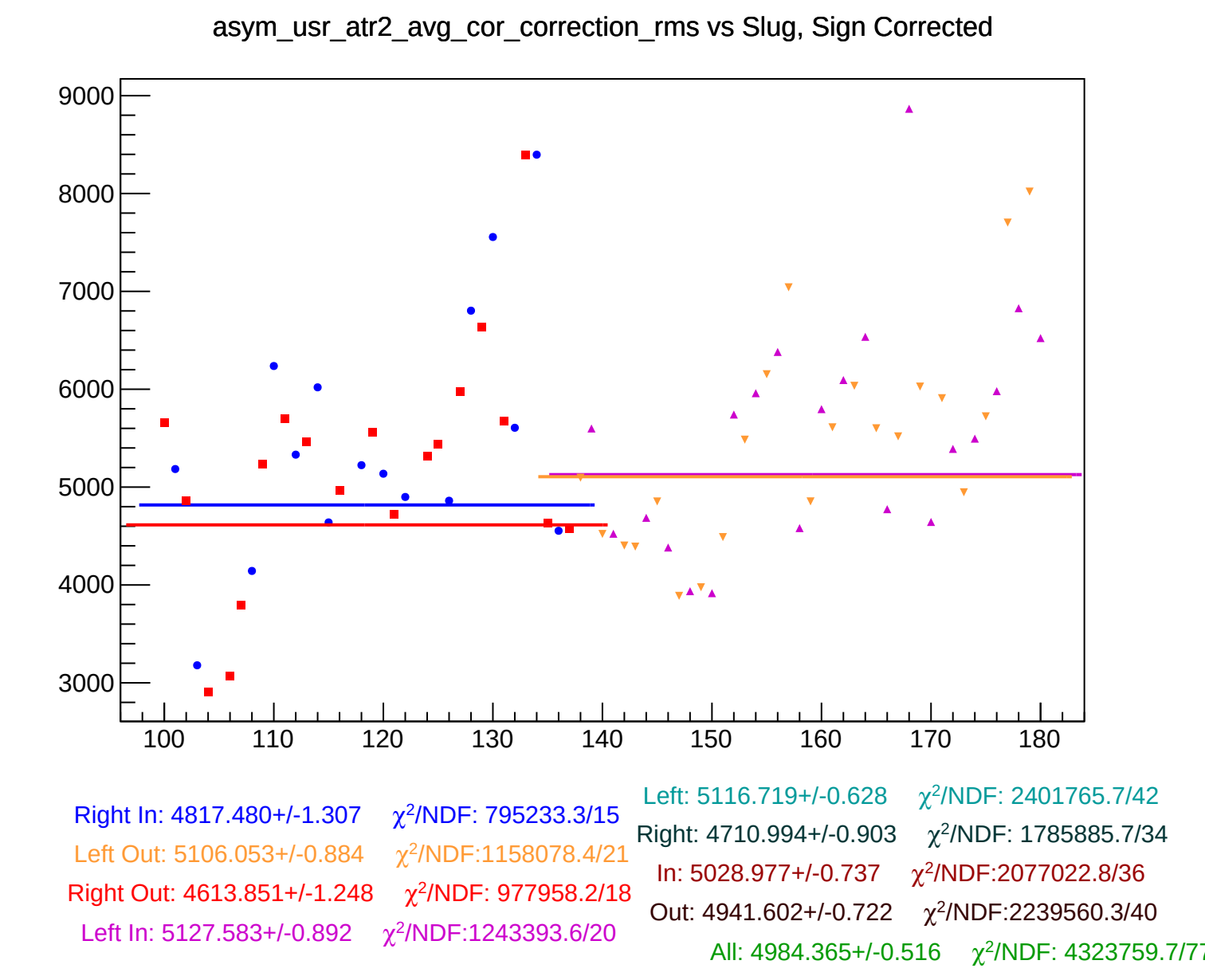
Left: 591.921+/-888.294 χ^2/NDF: 37.8/42

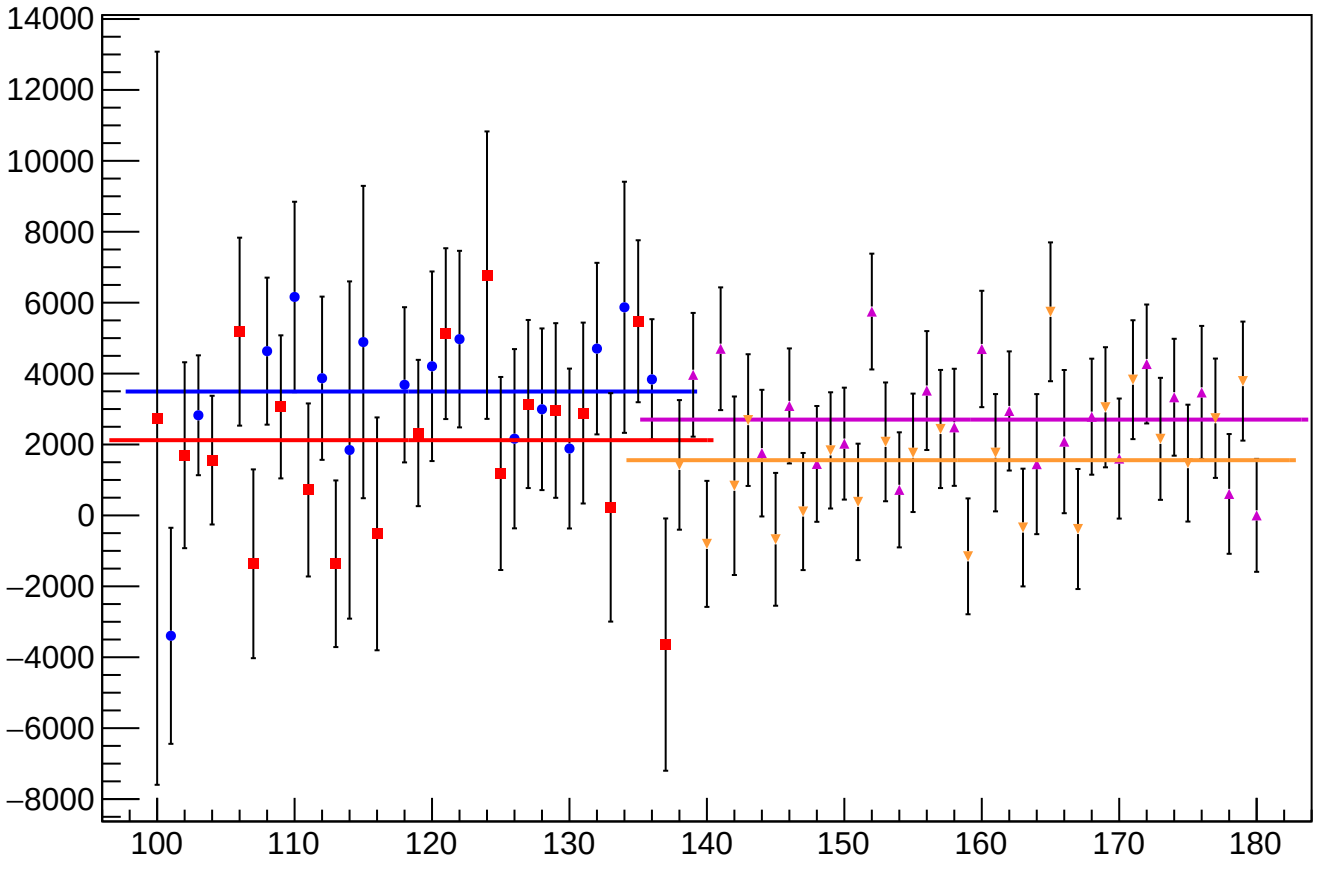
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -344.596+/-1042.261 χ^2/NDF:28.6/36

Out: 290.384+/-1020.435 χ^2/NDF:40.6/40

All: -20.388+/-729.151 χ^2/NDF: 69.4/77


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 5106.053+/-0.884 χ²/NDF:1158078.4/21
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 5127.583+/-0.892 χ²/NDF:1243393.6/20
Left: 5116.719+/-0.628 χ²/NDF: 2401765.7/42
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 5028.977+/-0.737 χ²/NDF:2077022.8/36
Out: 4941.602+/-0.722 χ²/NDF:2239560.3/40
All: 4984.365+/-0.516 χ²/NDF: 4323759.7/77



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2702.237+/-369.824 χ^2/NDF:16.2/20

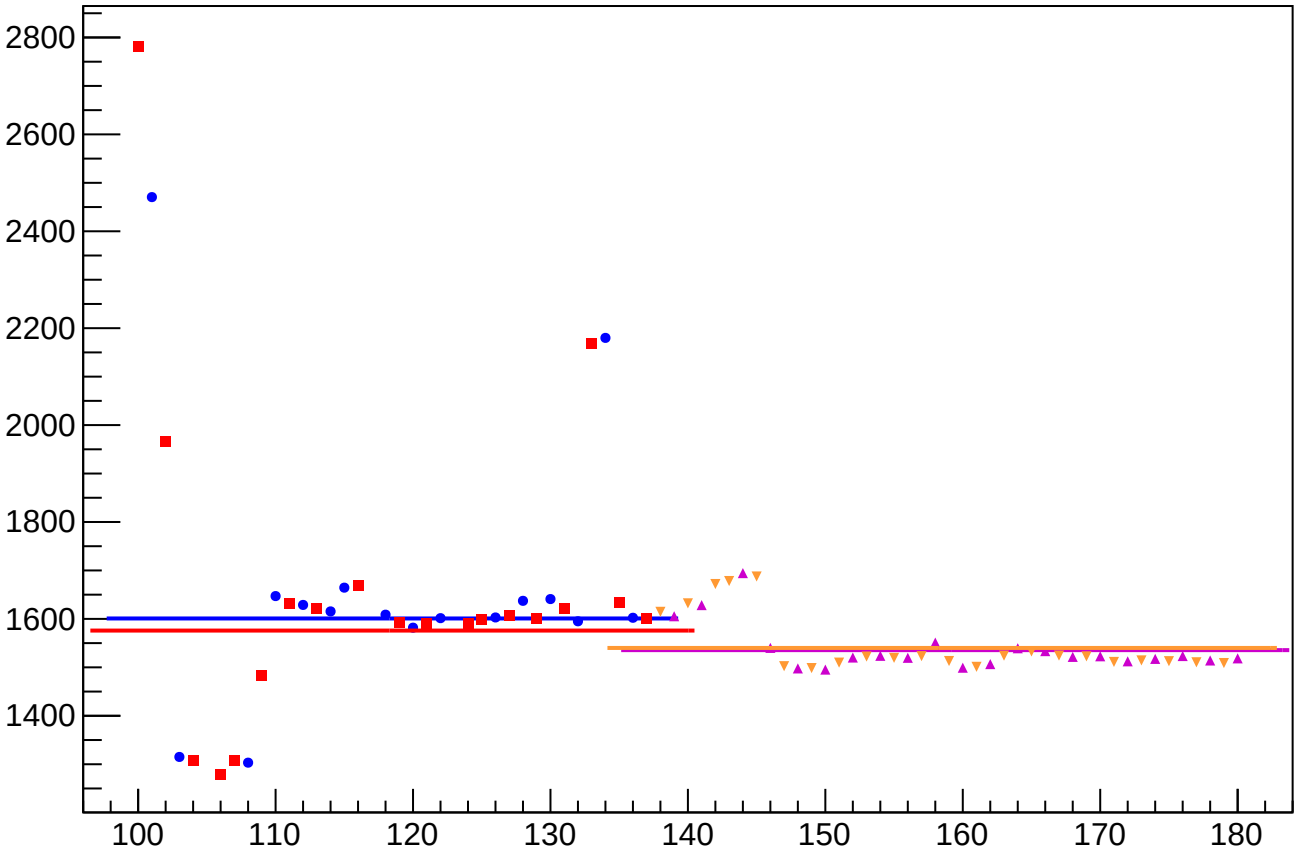
Left: 2127.806+/-261.032 χ^2/NDF: 41.3/42

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 2919.613+/-314.995 χ^2/NDF:26.3/36

Out: 1716.753+/-312.186 χ^2/NDF:36.1/40

All: 2312.795+/-221.735 χ^2/NDF: 69.7/77



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1535.523+/-0.262 χ^2/NDF:30920.9/20

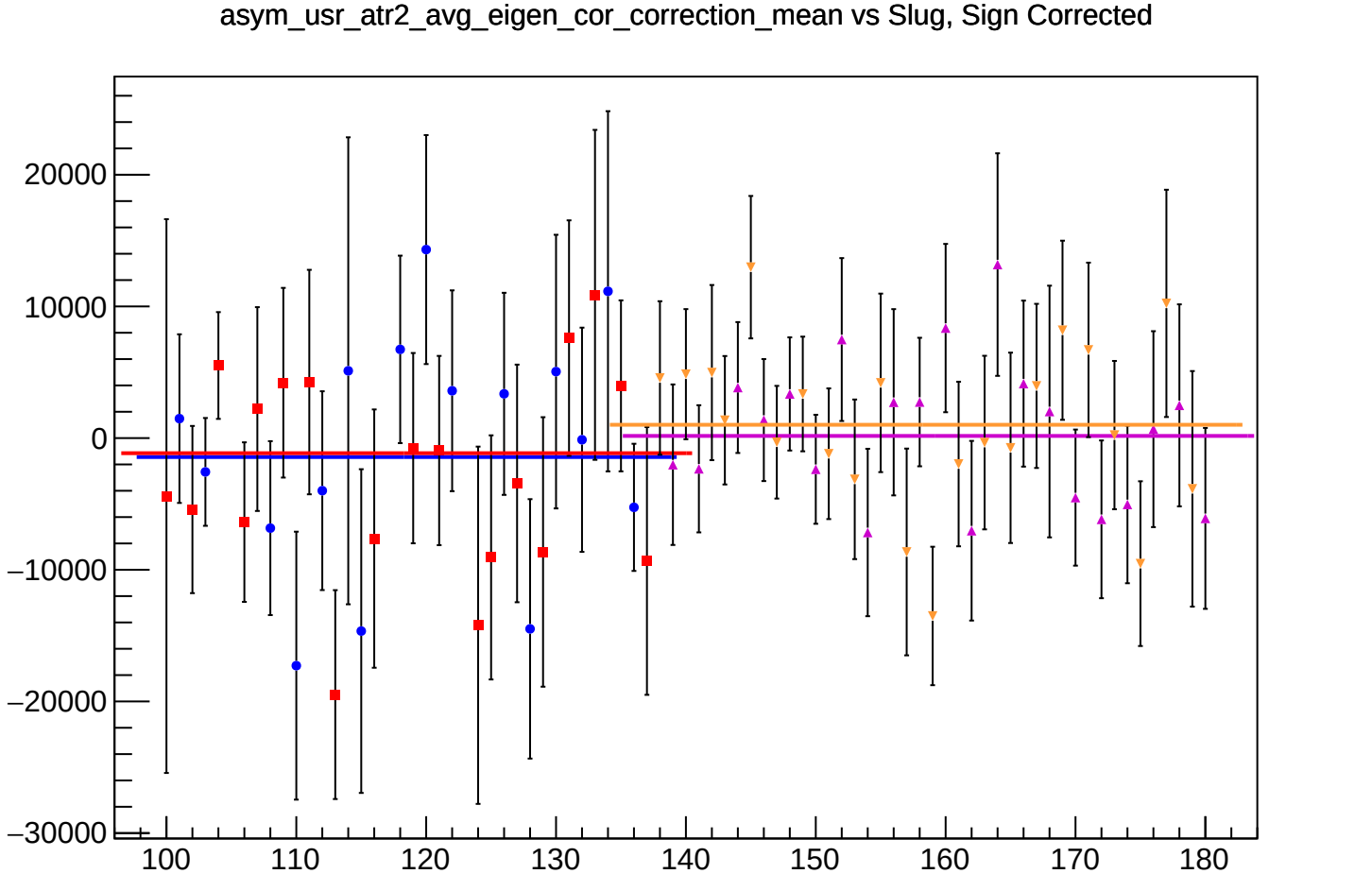
Left: 1537.784+/-0.185 χ^2/NDF: 77591.5/42

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1553.466+/-0.223 χ^2/NDF:365481.8/36

Out: 1550.210+/-0.221 χ^2/NDF:295234.0/40

All: 1551.821+/-0.157 χ^2/NDF: 660823.7/77



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 164.881+/-1262.051 χ^2/NDF:14.3/20

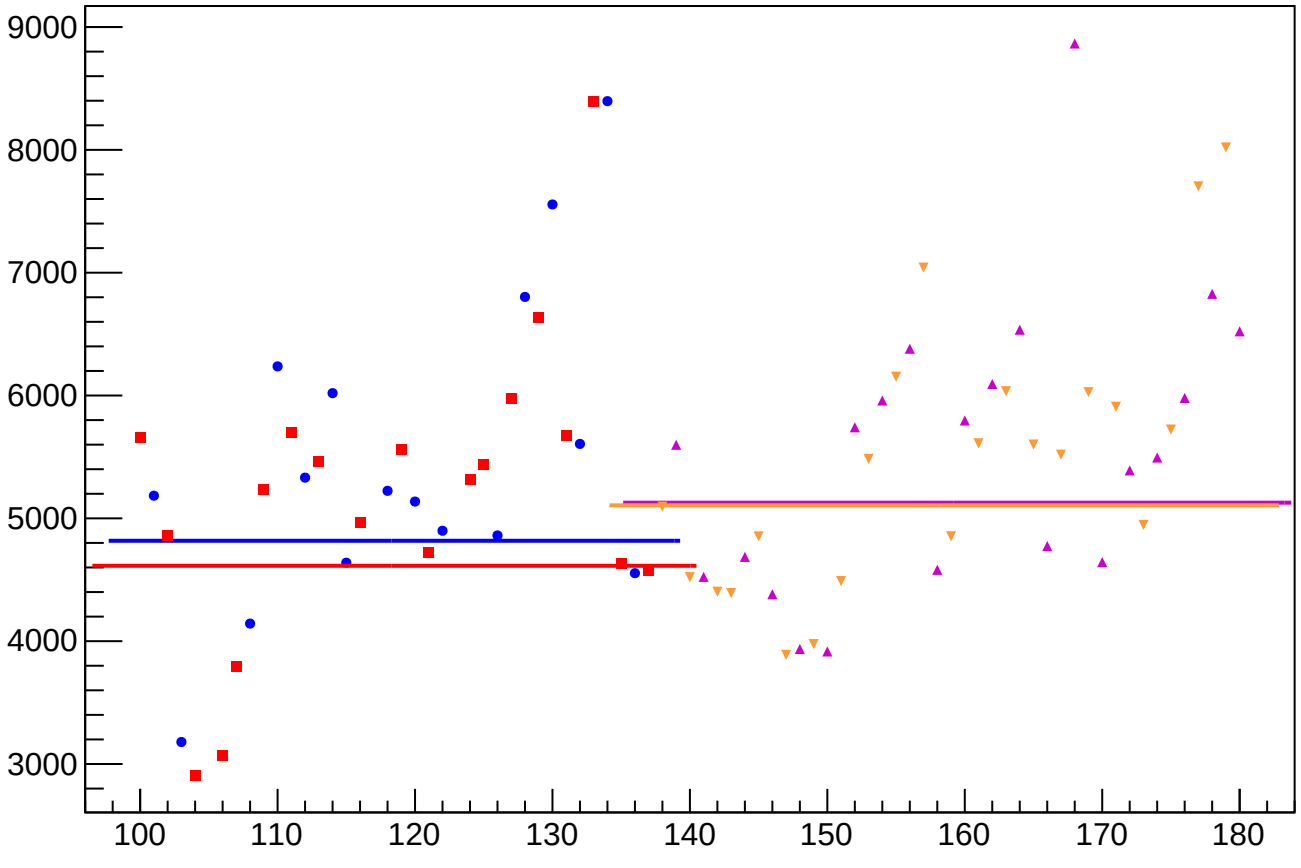
Left: 591.921+/-888.294 χ^2/NDF: 37.8/42

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -344.596+/-1042.261 χ^2/NDF:28.6/36

Out: 290.384+/-1020.435 χ^2/NDF:40.6/40

All: -20.388+/-729.151 χ^2/NDF: 69.4/77



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5127.583+/-0.892 χ^2/NDF:1243393.6/20

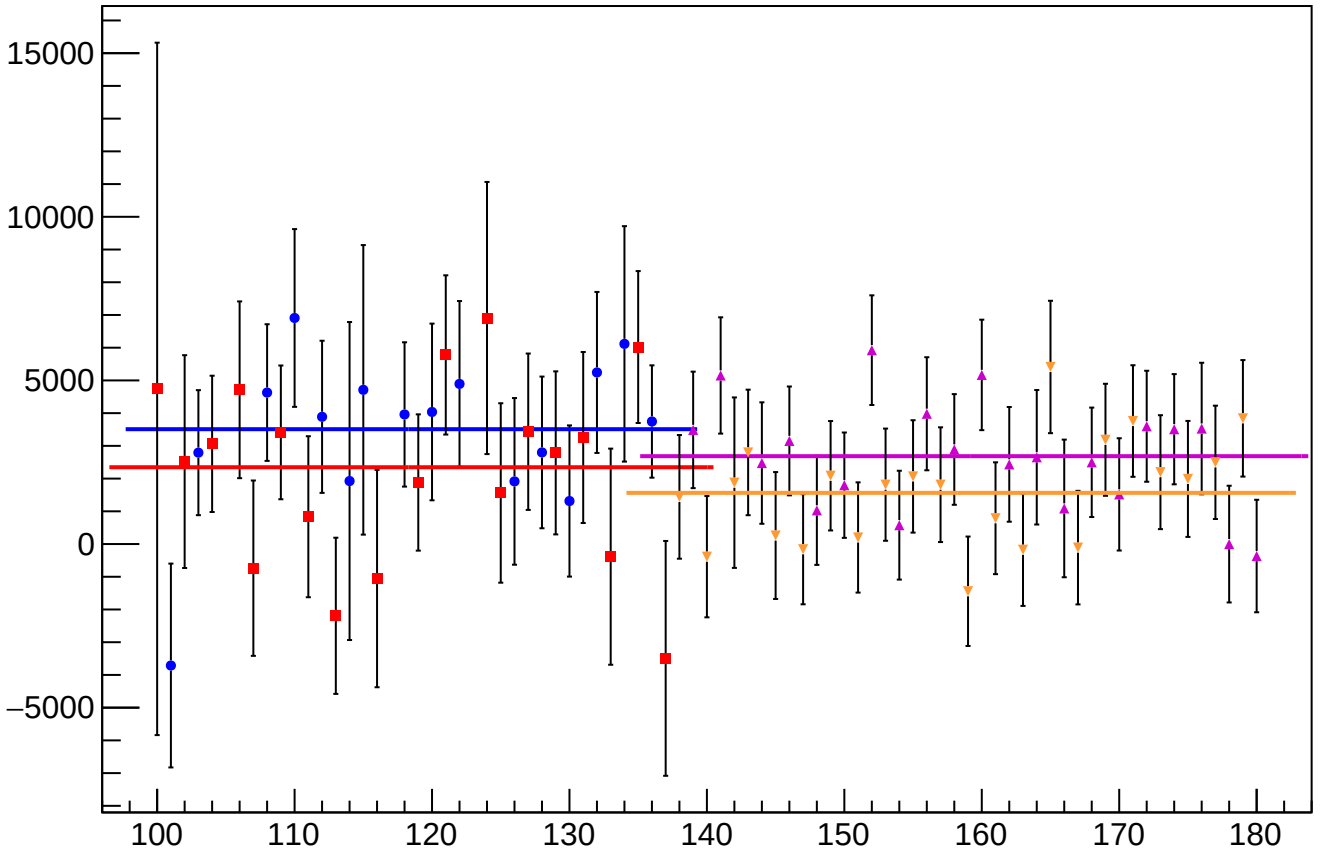
Left: 5116.719+/-0.628 χ^2/NDF: 2401765.7/42

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 5028.977+/-0.737 χ^2/NDF:2077022.8/36

Out: 4941.602+/-0.722 χ^2/NDF:2239560.3/40

All: 4984.365+/-0.516 χ^2/NDF: 4323759.7/77



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.433+/-380.035 χ^2/NDF:17.6/21

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2685.052+/-381.524 χ^2/NDF:18.8/20

Left: 2122.552+/-269.250 χ^2/NDF: 40.7/42

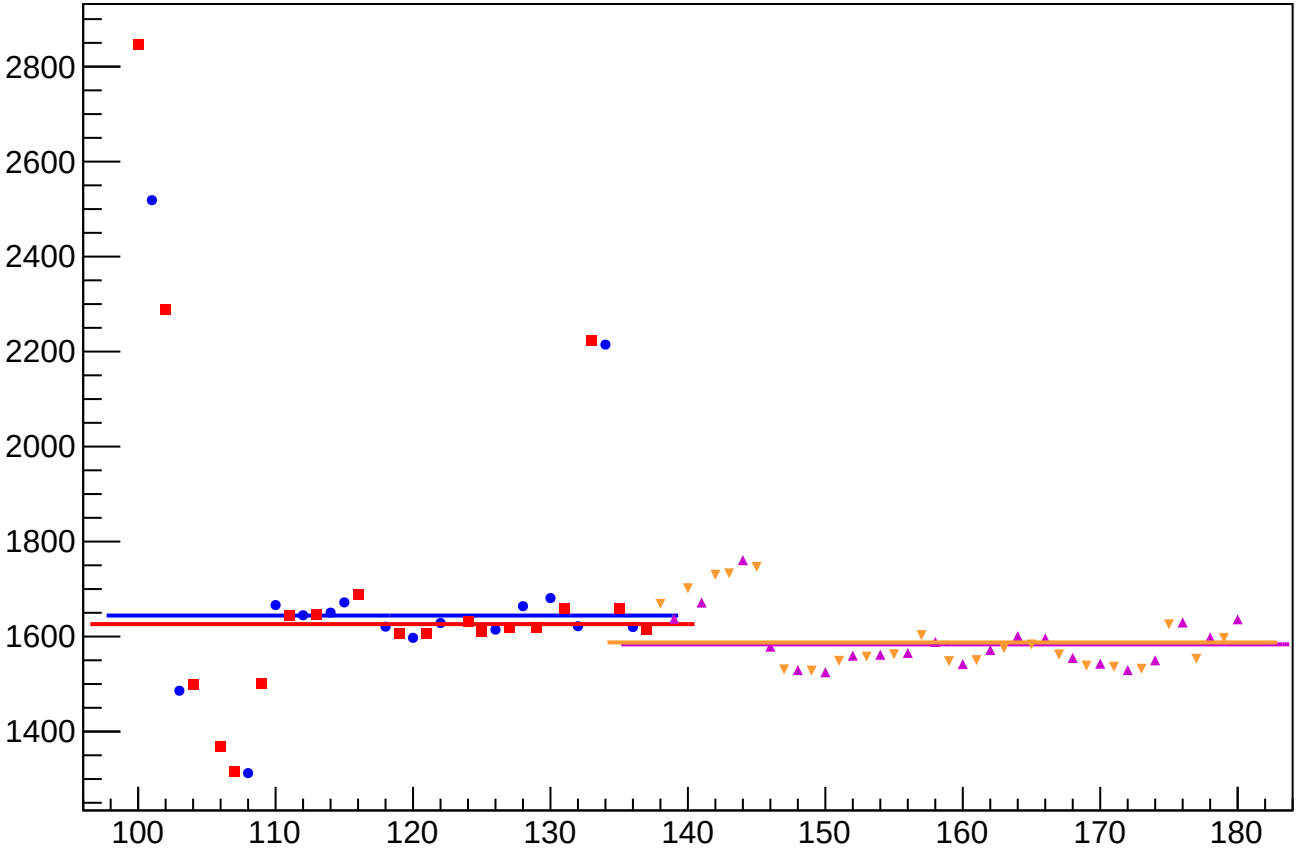
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 2913.244+/-324.457 χ^2/NDF:30.5/36

Out: 1784.504+/-322.187 χ^2/NDF:35.9/40

All: 2344.911+/-228.619 χ^2/NDF: 72.5/77

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.643+/-0.269 χ^2/NDF:59087.7/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1583.512+/-0.270 χ^2/NDF:39911.5/20

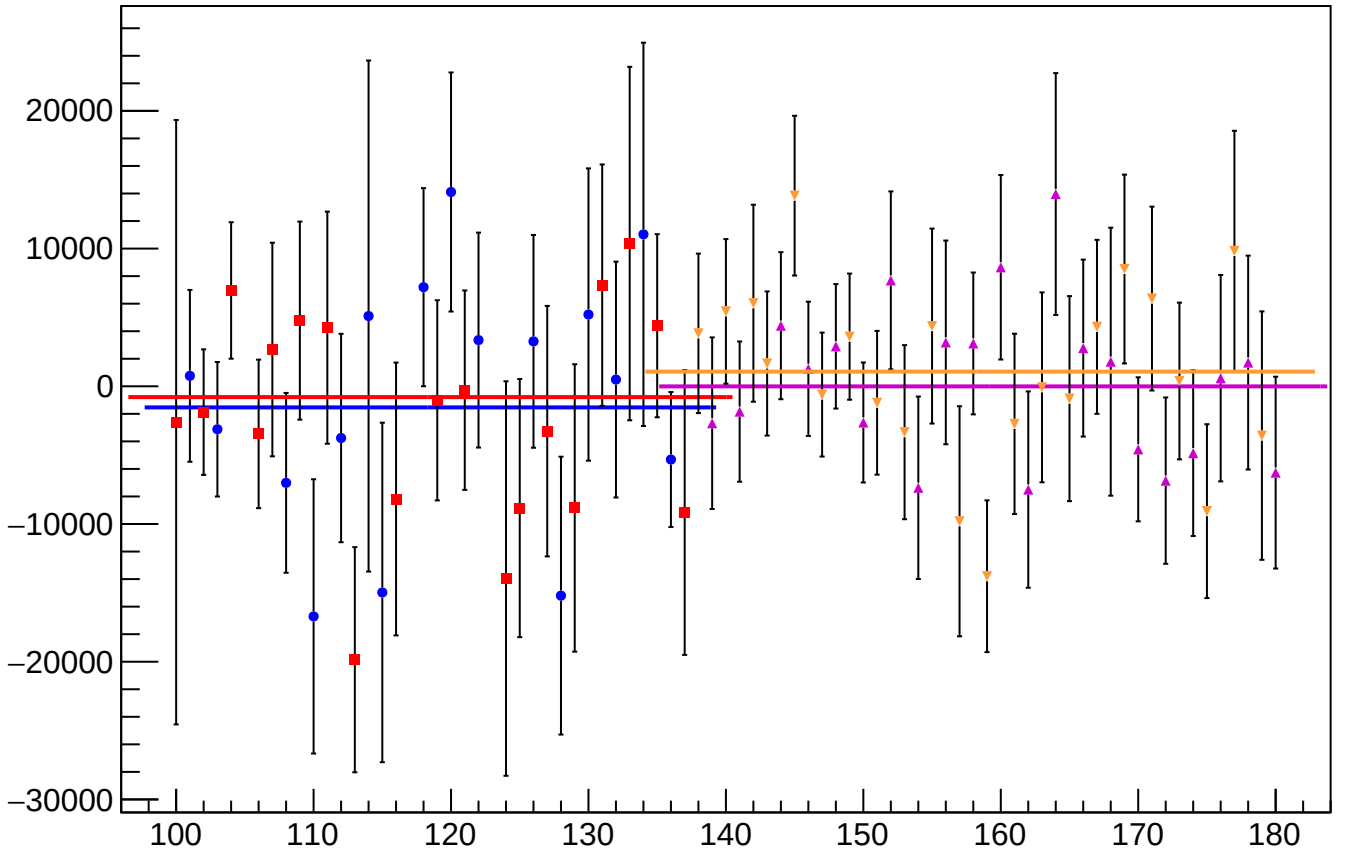
Left: 1585.585+/-0.190 χ^2/NDF: 99116.9/42

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1600.309+/-0.229 χ^2/NDF:328735.0/36

Out: 1598.494+/-0.228 χ^2/NDF:302516.9/40

All: 1599.395+/-0.162 χ^2/NDF: 631283.4/77



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1066.881+/-1301.419 χ^2/NDF:22.9/21

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -6.204+/-1310.619 χ^2/NDF:14.1/20

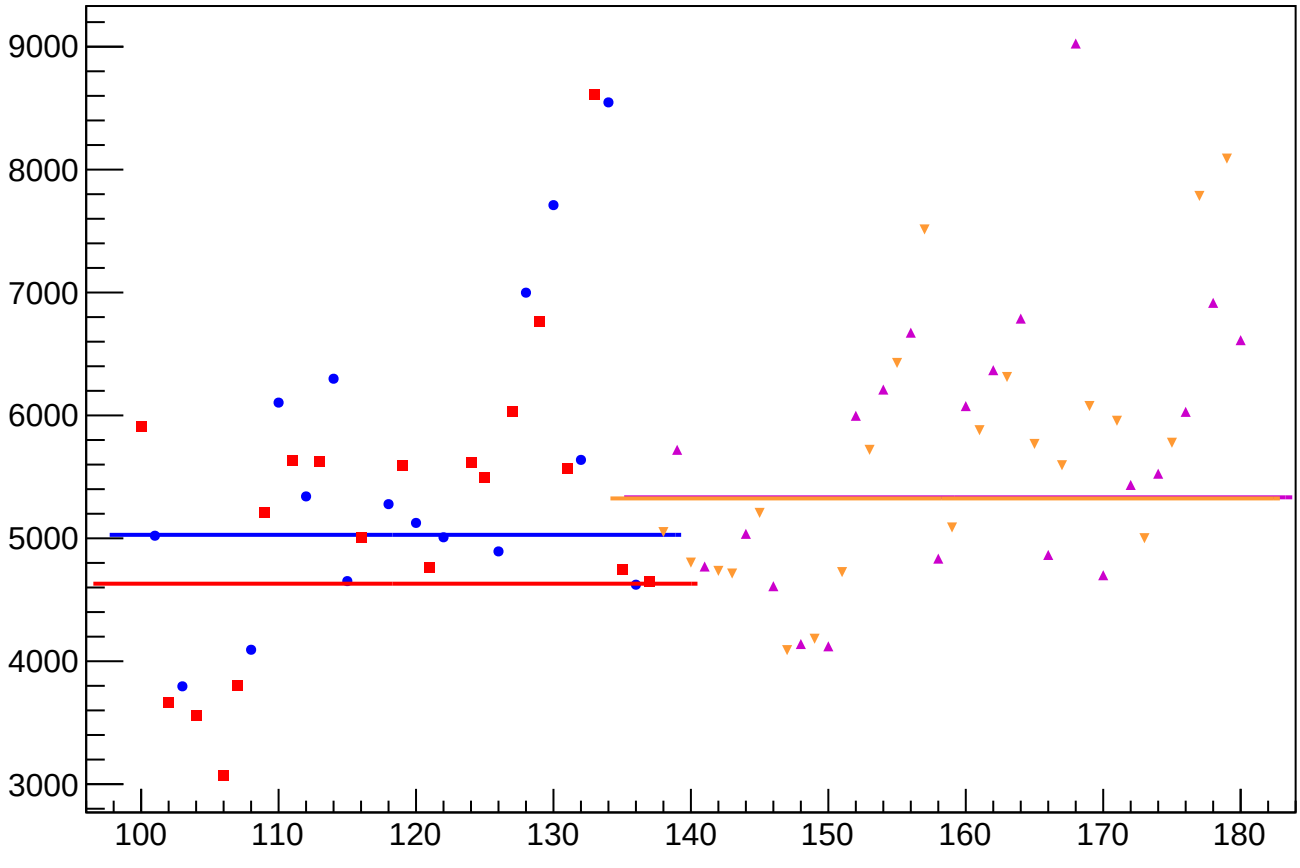
Left: 534.118+/-923.477 χ^2/NDF: 37.4/42

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -493.362+/-1081.353 χ^2/NDF:28.4/36

Out: 406.998+/-1043.995 χ^2/NDF:38.7/40

All: -27.361+/-751.076 χ^2/NDF: 67.5/77



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5324.669+/-0.920 χ^2/NDF:1036270.0/21

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5333.671+/-0.927 χ^2/NDF:1136972.7/20

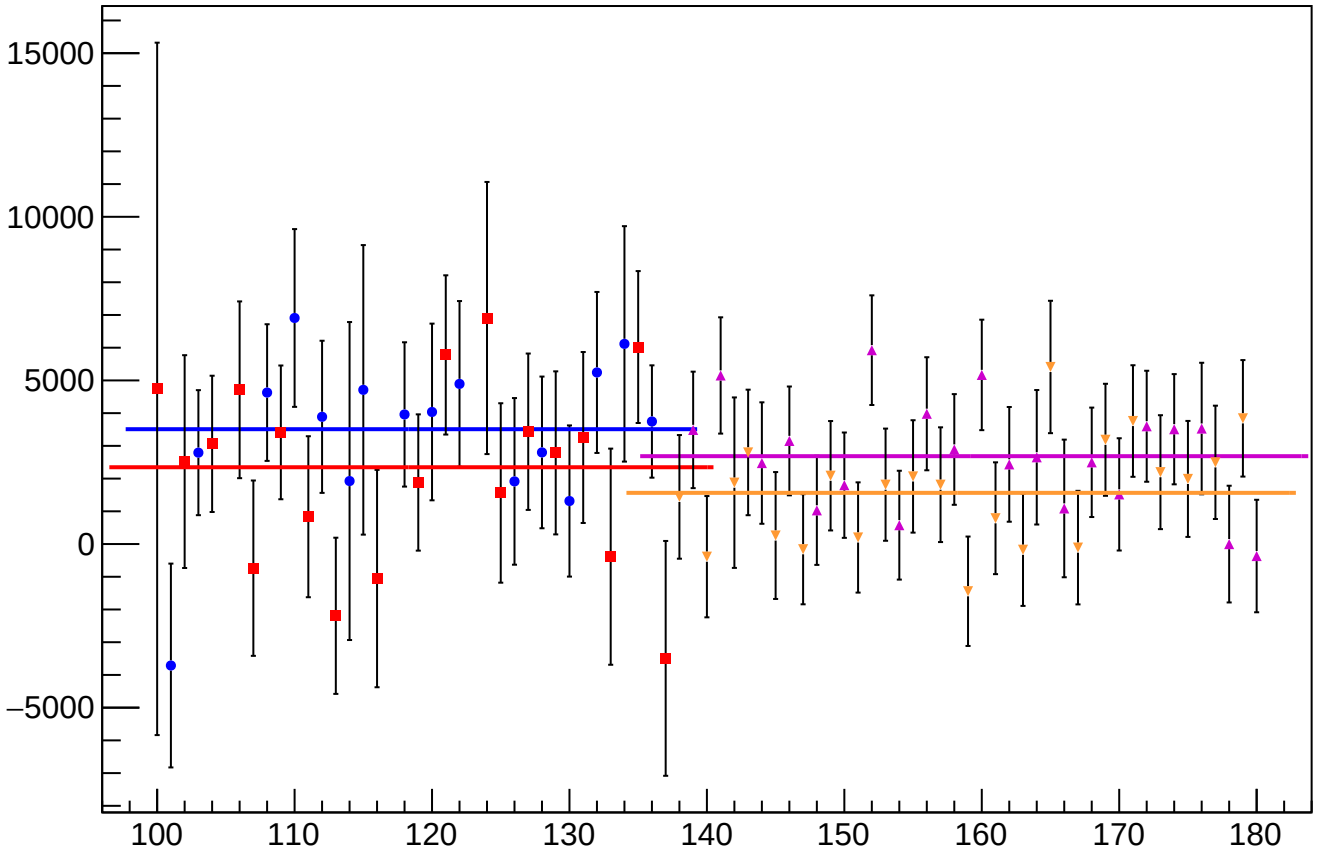
Left: 5329.138+/-0.653 χ^2/NDF: 2173290.1/42

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5236.226+/-0.765 χ^2/NDF:1737071.8/36

Out: 5077.356+/-0.738 χ^2/NDF:2102393.4/40

All: 5153.999+/-0.531 χ^2/NDF: 3861808.8/77



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.427+/-380.036 χ^2/NDF:17.6/21

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2685.053+/-381.524 χ^2/NDF:18.8/20

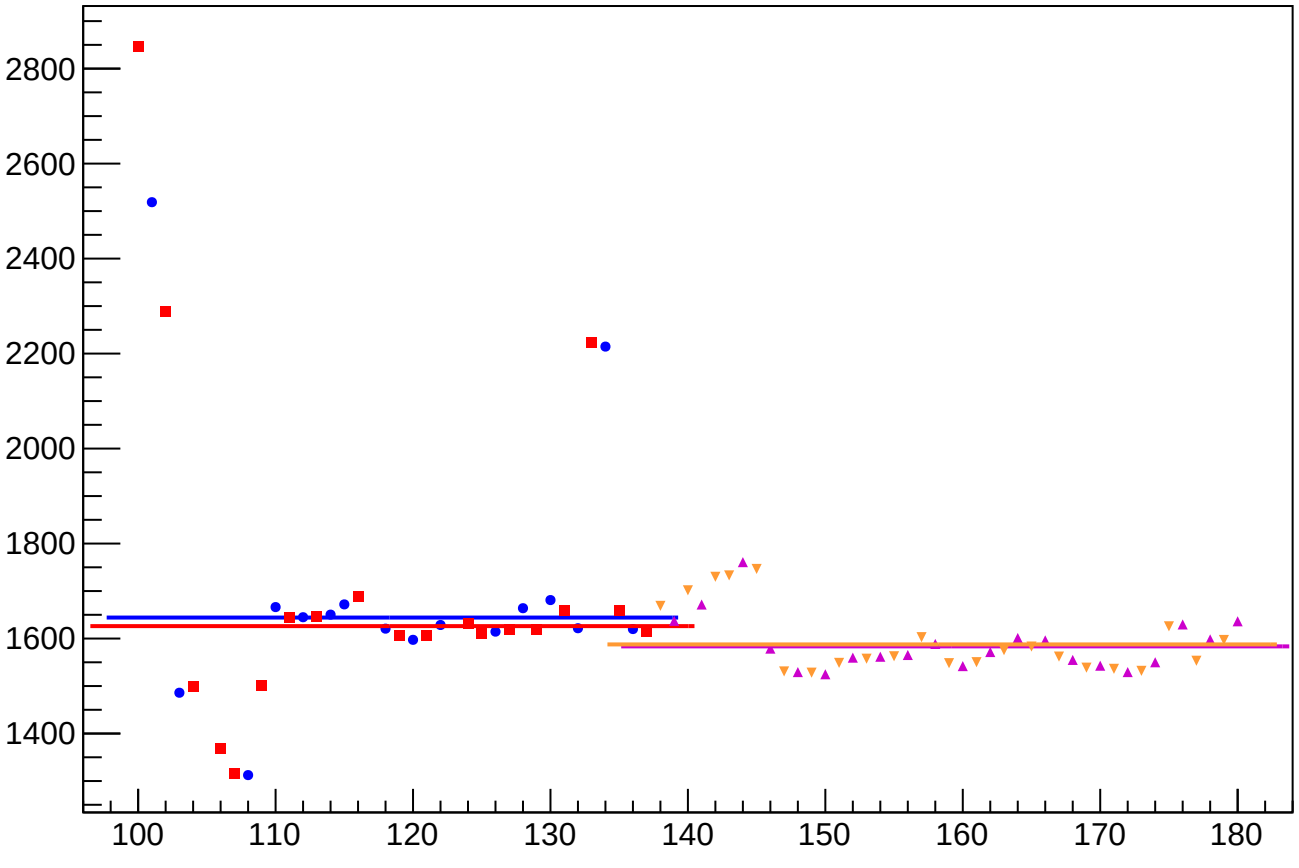
Left: 2122.549+/-269.251 χ^2/NDF: 40.7/42

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 2913.245+/-324.457 χ^2/NDF:30.5/36

Out: 1784.501+/-322.187 χ^2/NDF:35.9/40

All: 2344.910+/-228.619 χ^2/NDF: 72.5/77



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.644+/-0.269 χ^2/NDF:59087.9/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1583.513+/-0.270 χ^2/NDF:39911.3/20

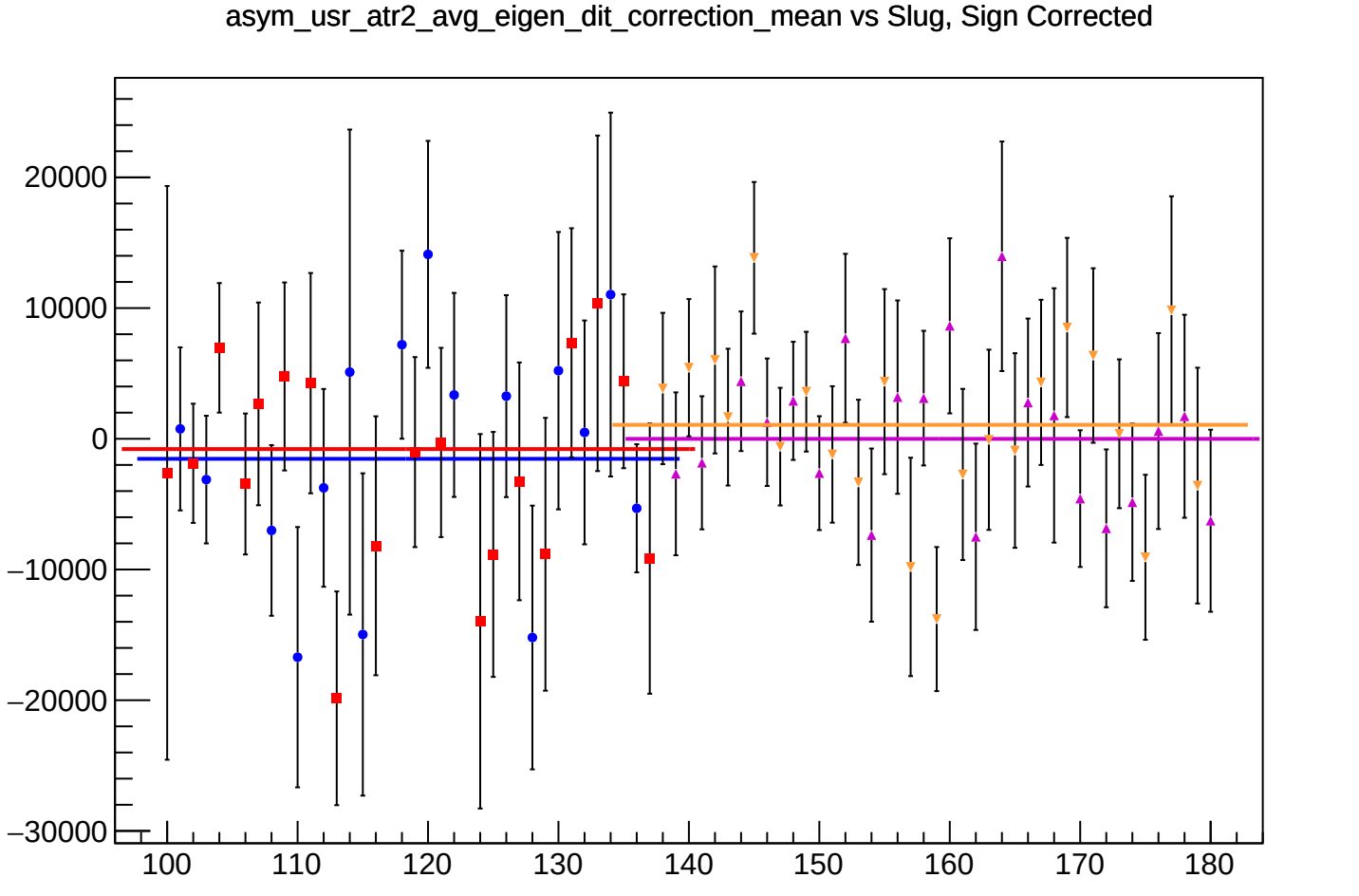
Left: 1585.586+/-0.190 χ^2/NDF: 99116.9/42

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1600.309+/-0.229 χ^2/NDF:328734.3/36

Out: 1598.495+/-0.228 χ^2/NDF:302516.3/40

All: 1599.395+/-0.162 χ^2/NDF: 631282.1/77



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1066.878+/-1301.421 χ^2/NDF:22.9/21

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -6.205+/-1310.621 χ^2/NDF:14.1/20

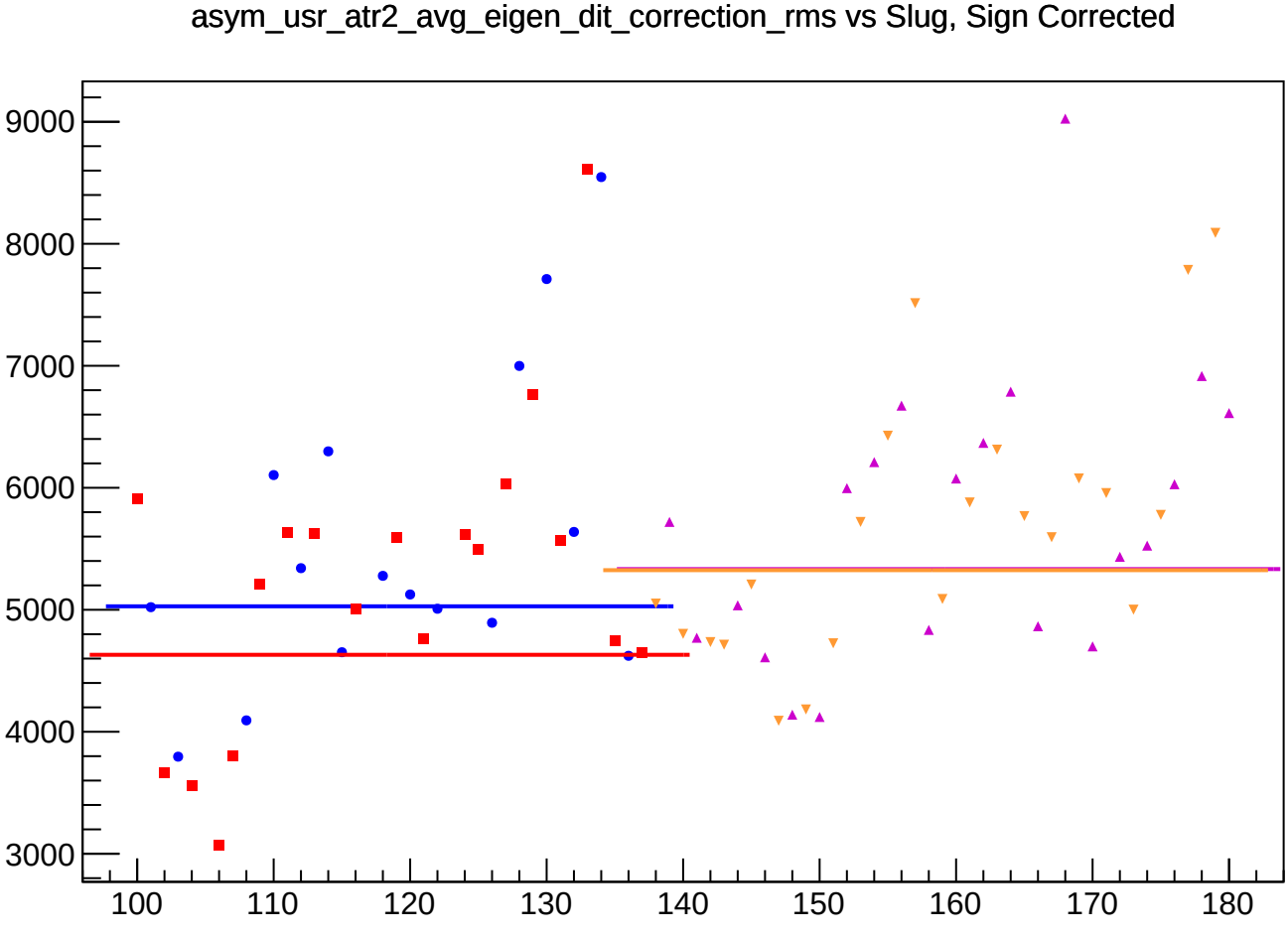
Left: 534.116+/-923.479 χ^2/NDF: 37.4/42

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -493.360+/-1081.354 χ^2/NDF:28.4/36

Out: 406.993+/-1043.996 χ^2/NDF:38.7/40

All: -27.363+/-751.076 χ^2/NDF: 67.5/77



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5324.678+/-0.920 χ^2/NDF:1036272.2/21

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5333.680+/-0.927 χ^2/NDF:1136976.4/20

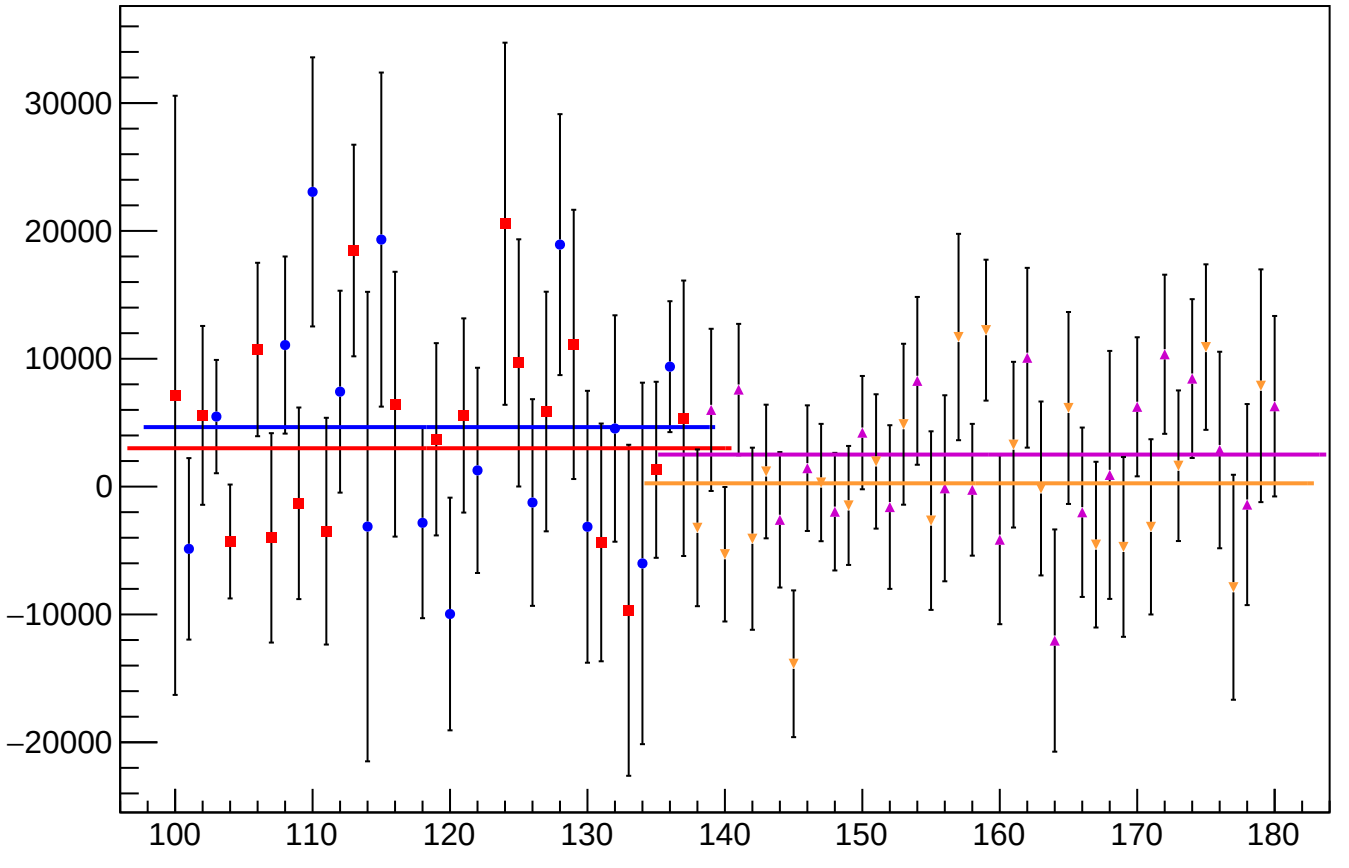
Left: 5329.147+/-0.653 χ^2/NDF: 2173296.1/42

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5236.230+/-0.765 χ^2/NDF:1737072.8/36

Out: 5077.358+/-0.738 χ^2/NDF:2102399.1/40

All: 5154.002+/-0.531 χ^2/NDF: 3861815.7/77



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 257.437+/-1313.709 χ^2/NDF:22.0/21

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2505.998+/-1323.875 χ^2/NDF:13.9/20

Left: 1373.051+/-932.506 χ^2/NDF: 37.4/42

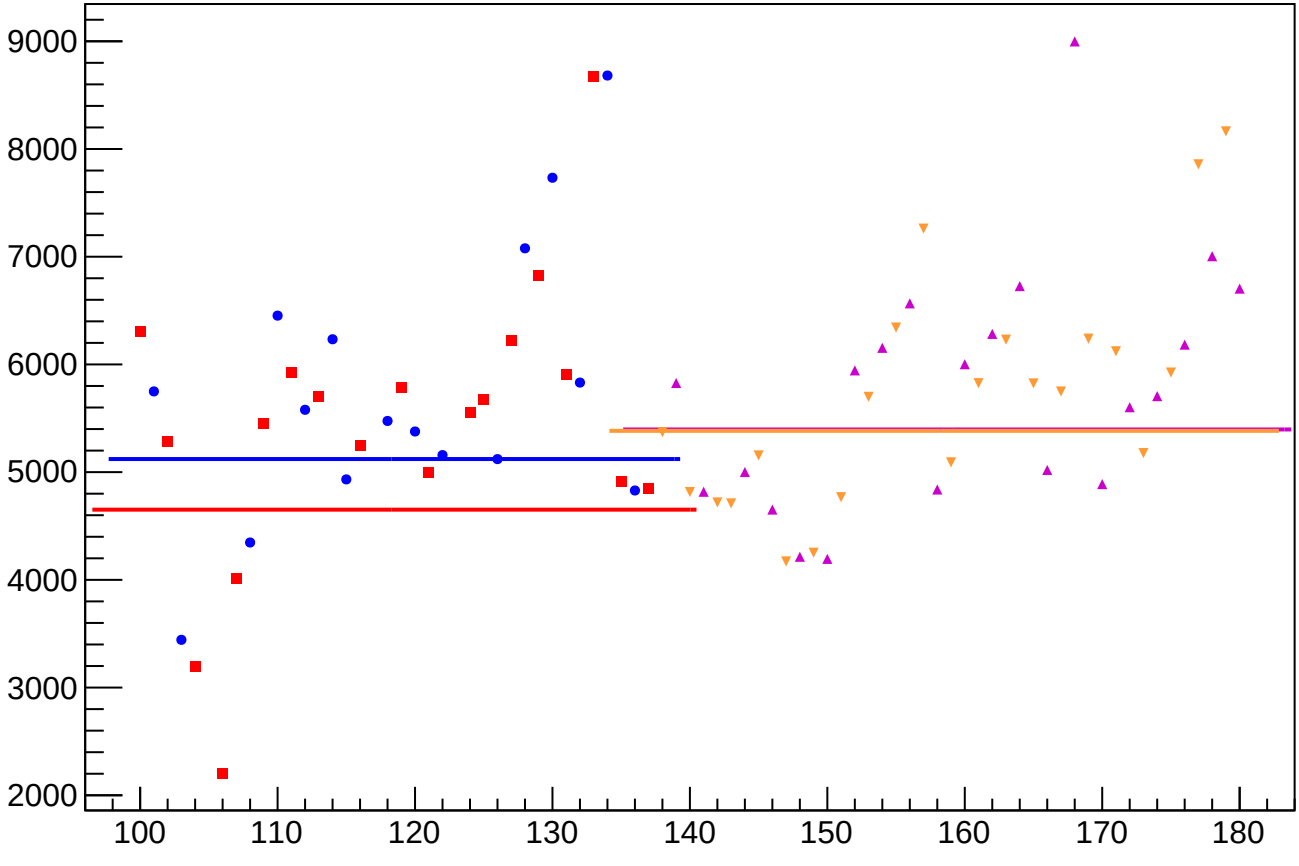
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3179.394+/-1096.801 χ^2/NDF:30.3/36

Out: 1155.754+/-1077.378 χ^2/NDF:37.3/40

All: 2149.497+/-768.596 χ^2/NDF: 69.3/77

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5383.435+/-0.929 χ^2/NDF:986605.6/21

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5396.248+/-0.936 χ^2/NDF:1062745.9/20

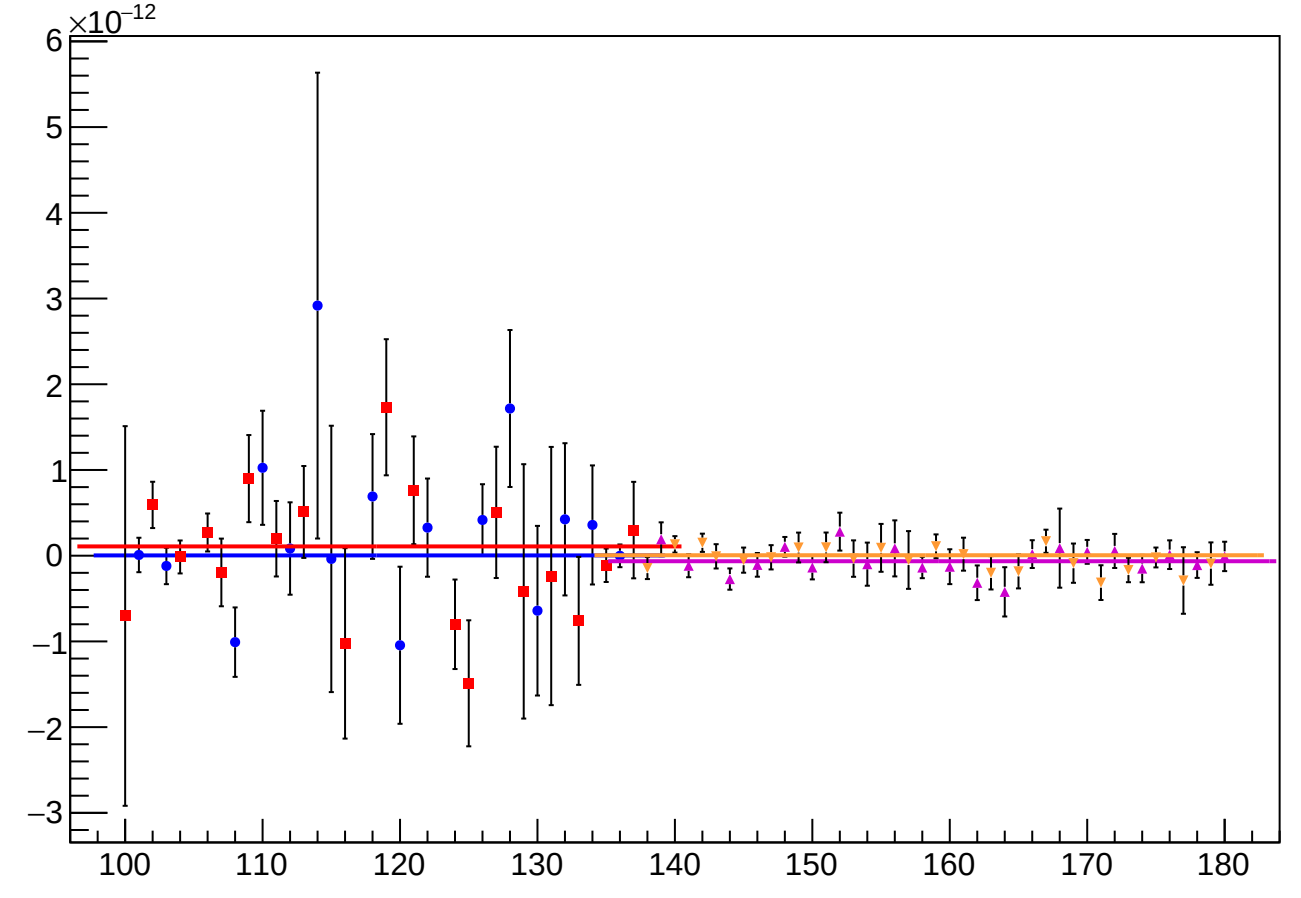
Left: 5389.792+/-0.659 χ^2/NDF: 2049445.9/42

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5310.125+/-0.776 χ^2/NDF:1810103.3/36

Out: 5131.098+/-0.752 χ^2/NDF:2545442.3/40

All: 5217.838+/-0.540 χ^2/NDF: 4383014.1/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/20

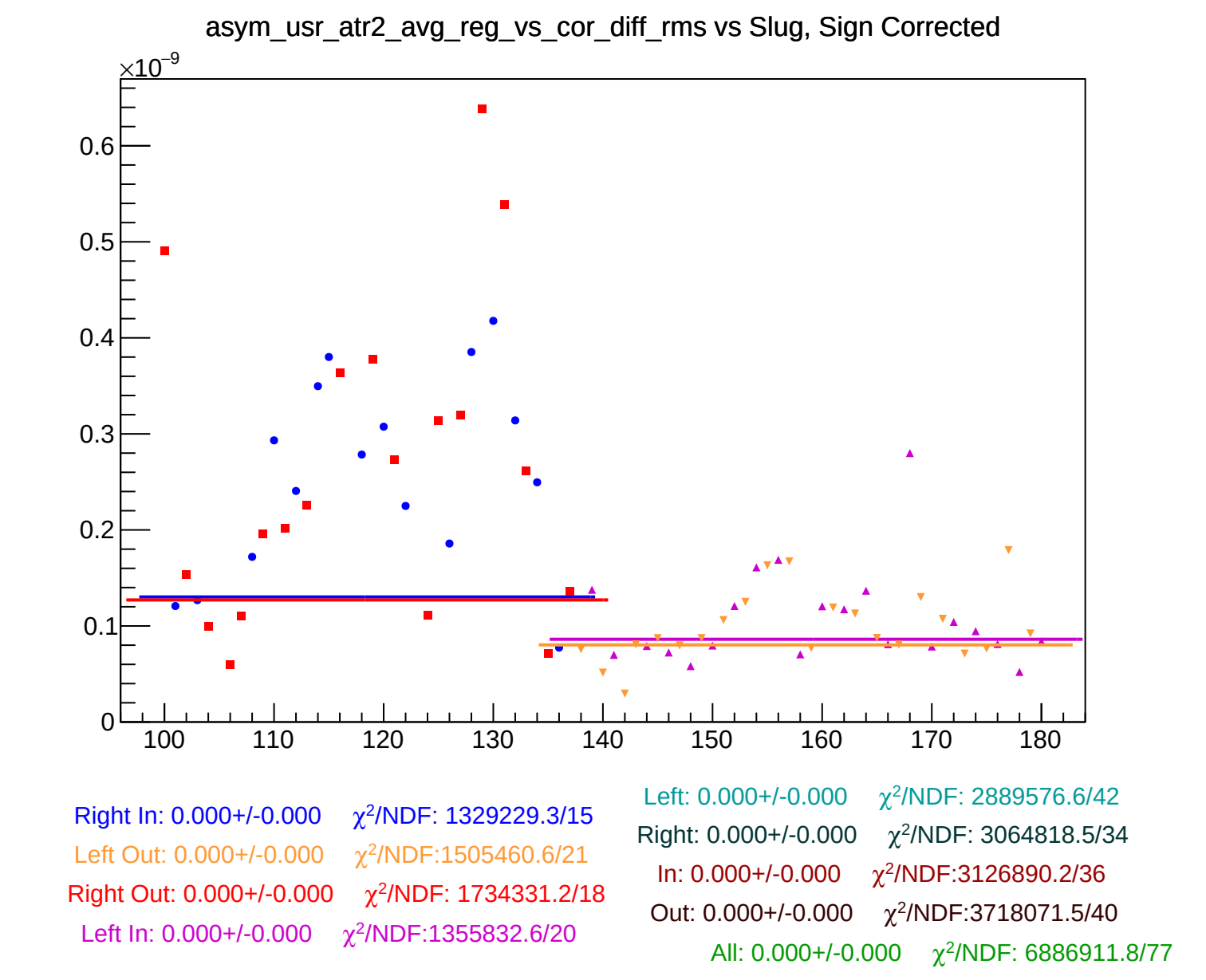
Left: -0.000+/-0.000 χ^2/NDF: 32.2/42

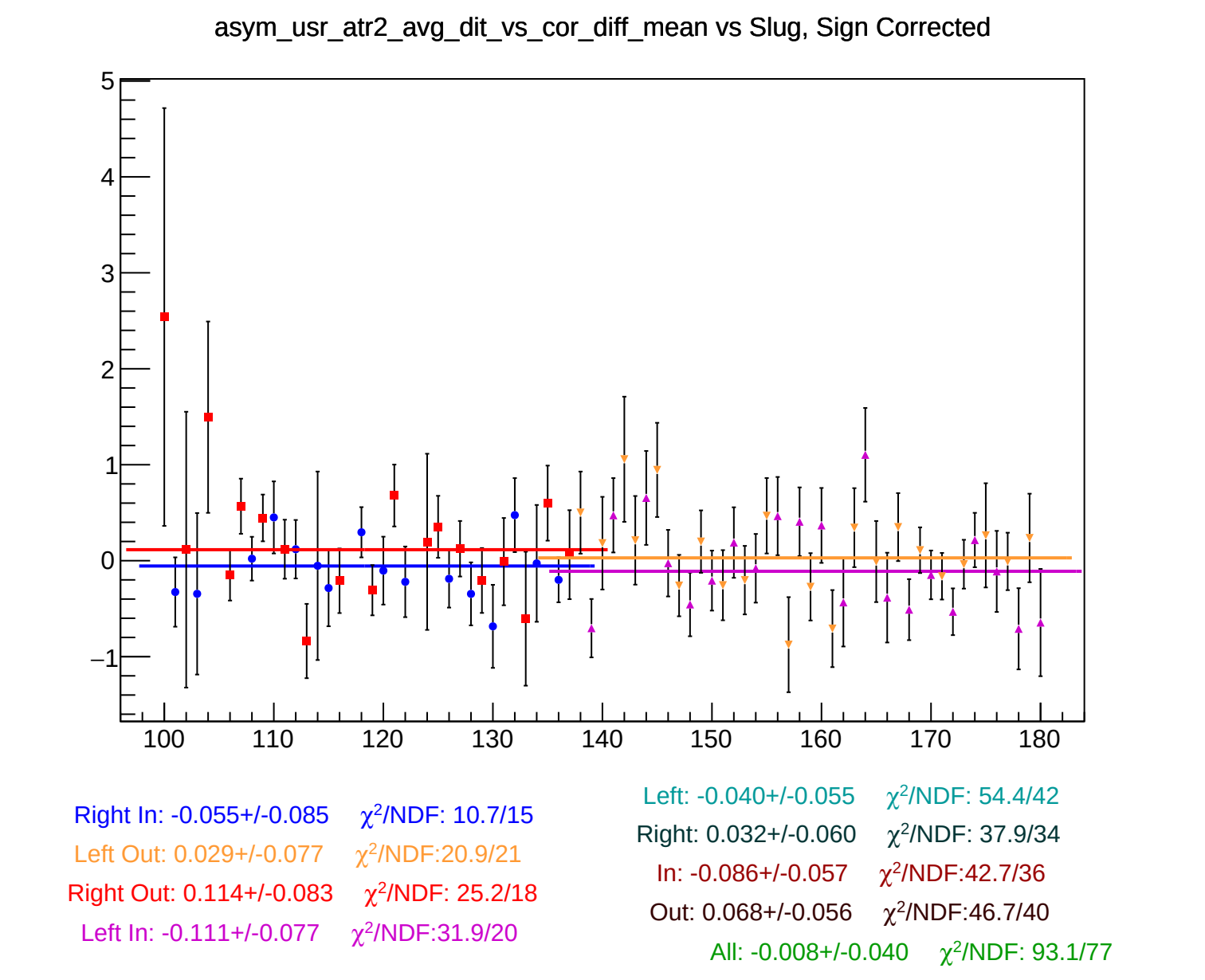
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

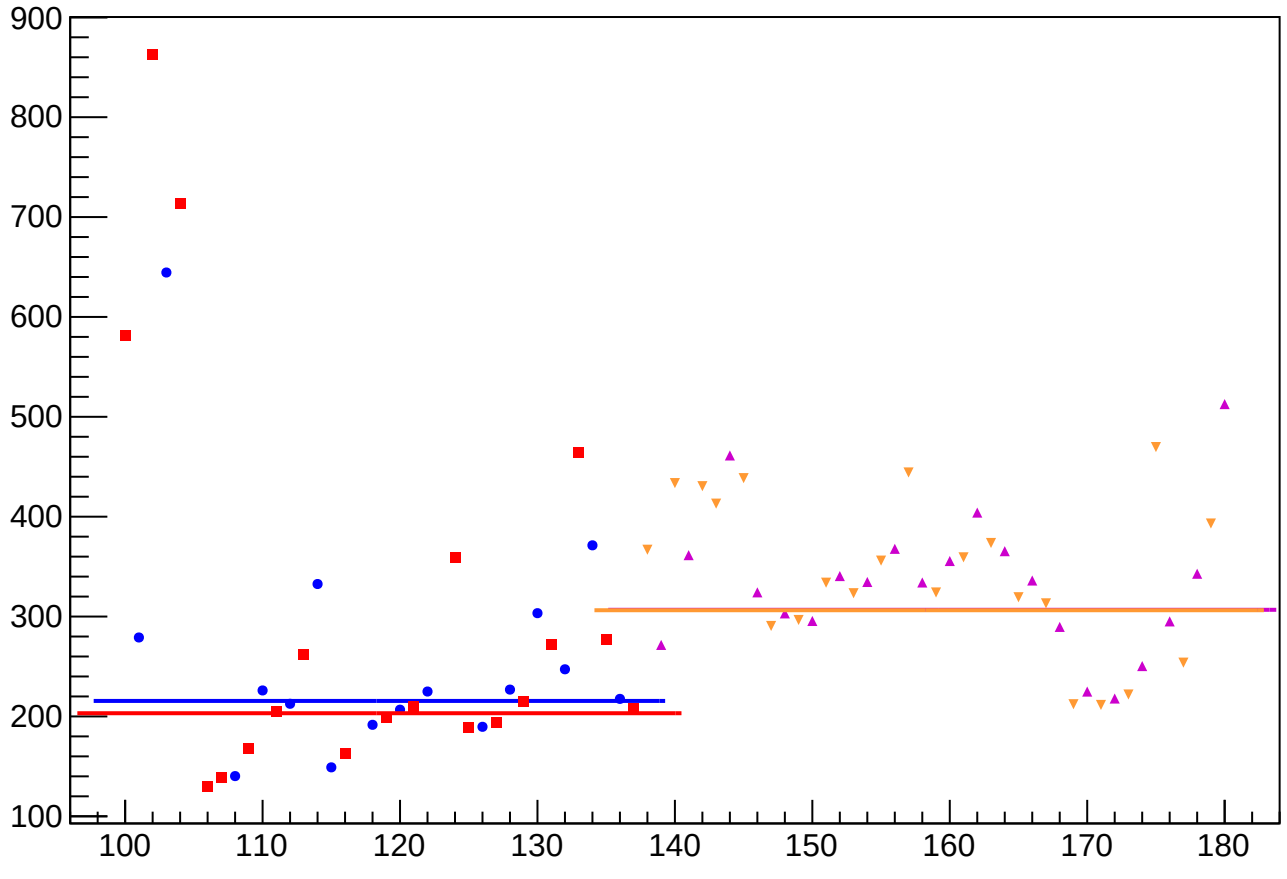
In: -0.000+/-0.000 χ^2/NDF:34.0/36

Out: 0.000+/-0.000 χ^2/NDF:41.1/40

All: -0.000+/-0.000 χ^2/NDF: 77.6/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1505460.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1355832.6/20
Left: 0.000+/-0.000 χ²/NDF: 2889576.6/42
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:3126890.2/36
Out: 0.000+/-0.000 χ²/NDF:3718071.5/40
All: 0.000+/-0.000 χ²/NDF: 6886911.8/77


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
180
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.029+/-0.077 χ²/NDF:20.9/21
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.111+/-0.077 χ²/NDF:31.9/20
Left: -0.040+/-0.055 χ²/NDF: 54.4/42
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.086+/-0.057 χ²/NDF:42.7/36
Out: 0.068+/-0.056 χ²/NDF:46.7/40
All: -0.008+/-0.040 χ²/NDF: 93.1/77



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

Left: 306.546+/-0.039 χ^2/NDF: 3323195.9/42

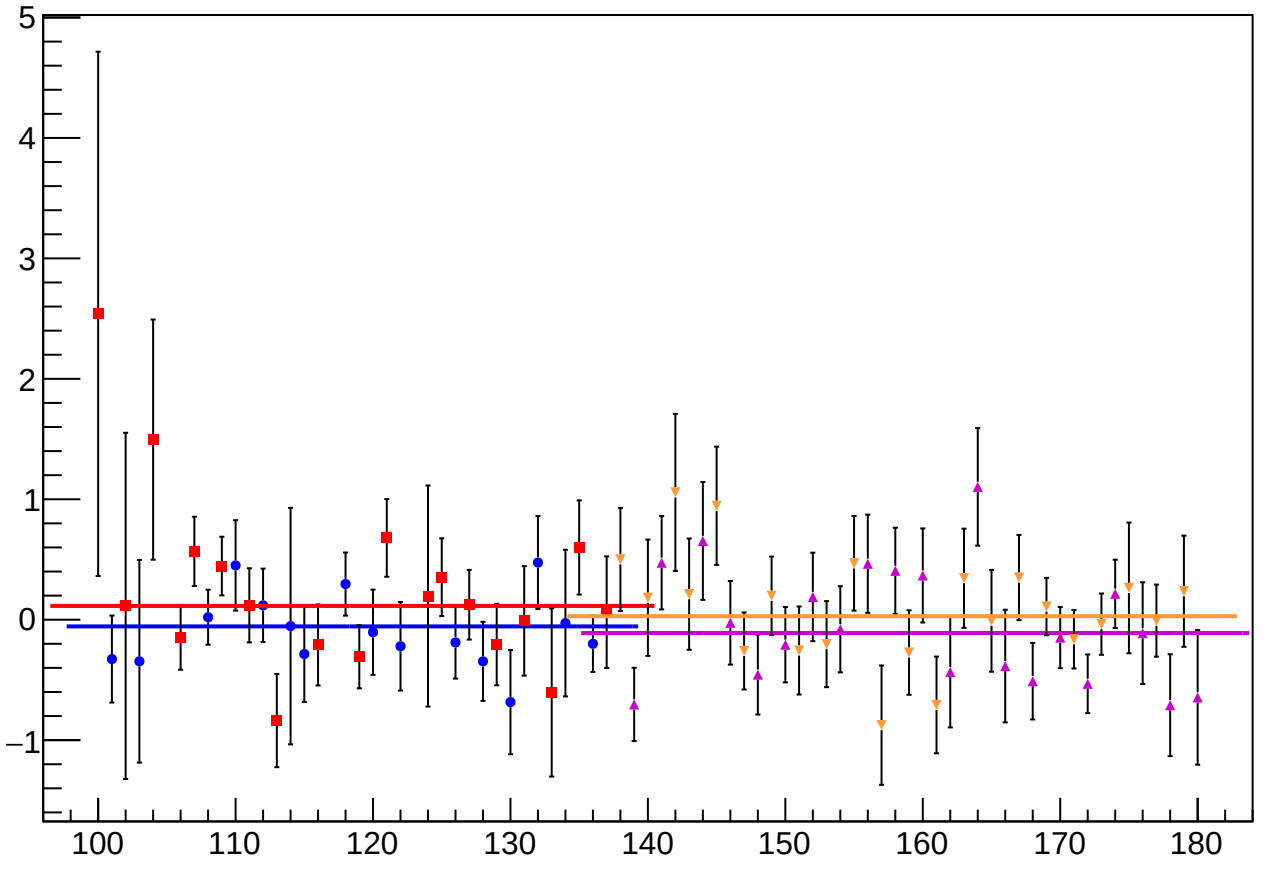
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.718+/-0.041 χ^2/NDF:3765877.7/36

Out: 258.838+/-0.040 χ^2/NDF:5452474.6/40

All: 262.227+/-0.028 χ^2/NDF: 9232975.3/77

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.111+/-0.077 χ^2/NDF:31.9/20

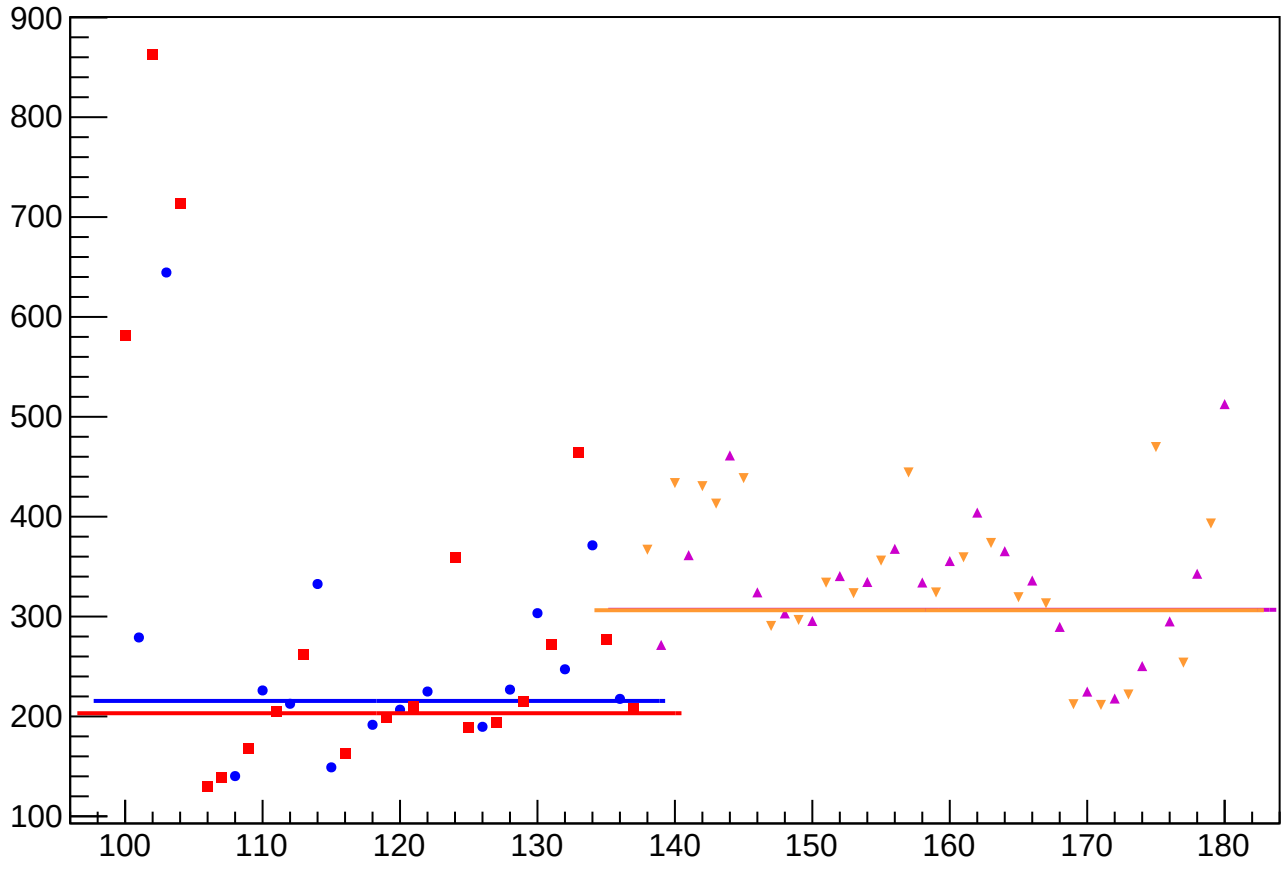
Left: -0.040+/-0.055 χ^2/NDF: 54.4/42

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.086+/-0.057 χ^2/NDF:42.7/36

Out: 0.068+/-0.056 χ^2/NDF:46.7/40

All: -0.008+/-0.040 χ^2/NDF: 93.1/77



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.761+/-0.055 χ^2/NDF:1363143.1/20

Left: 306.546+/-0.039 χ^2/NDF: 3323195.9/42

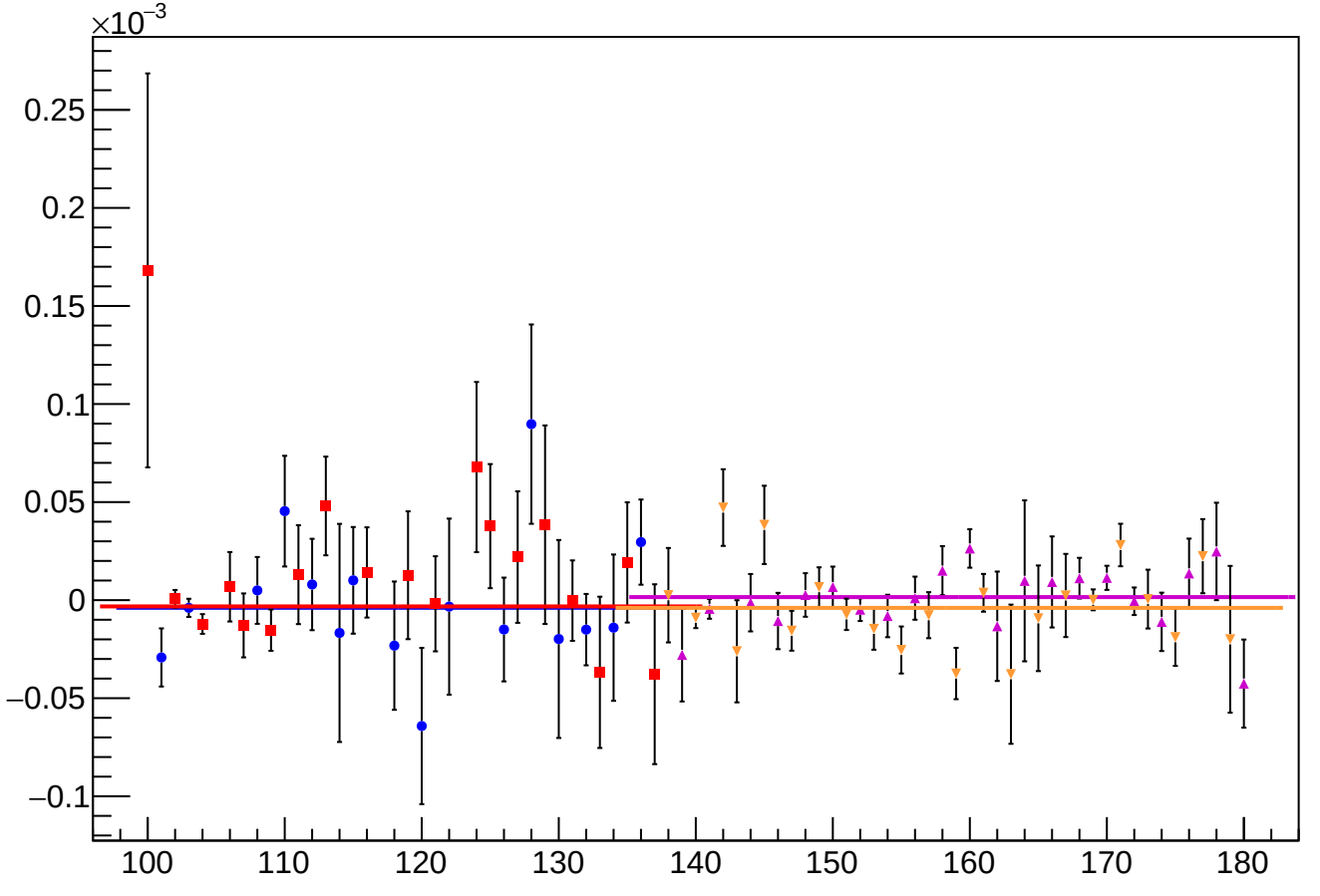
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 265.718+/-0.041 χ^2/NDF:3765877.7/36

Out: 258.838+/-0.040 χ^2/NDF:5452474.6/40

All: 262.227+/-0.028 χ^2/NDF: 9232975.3/77

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/20

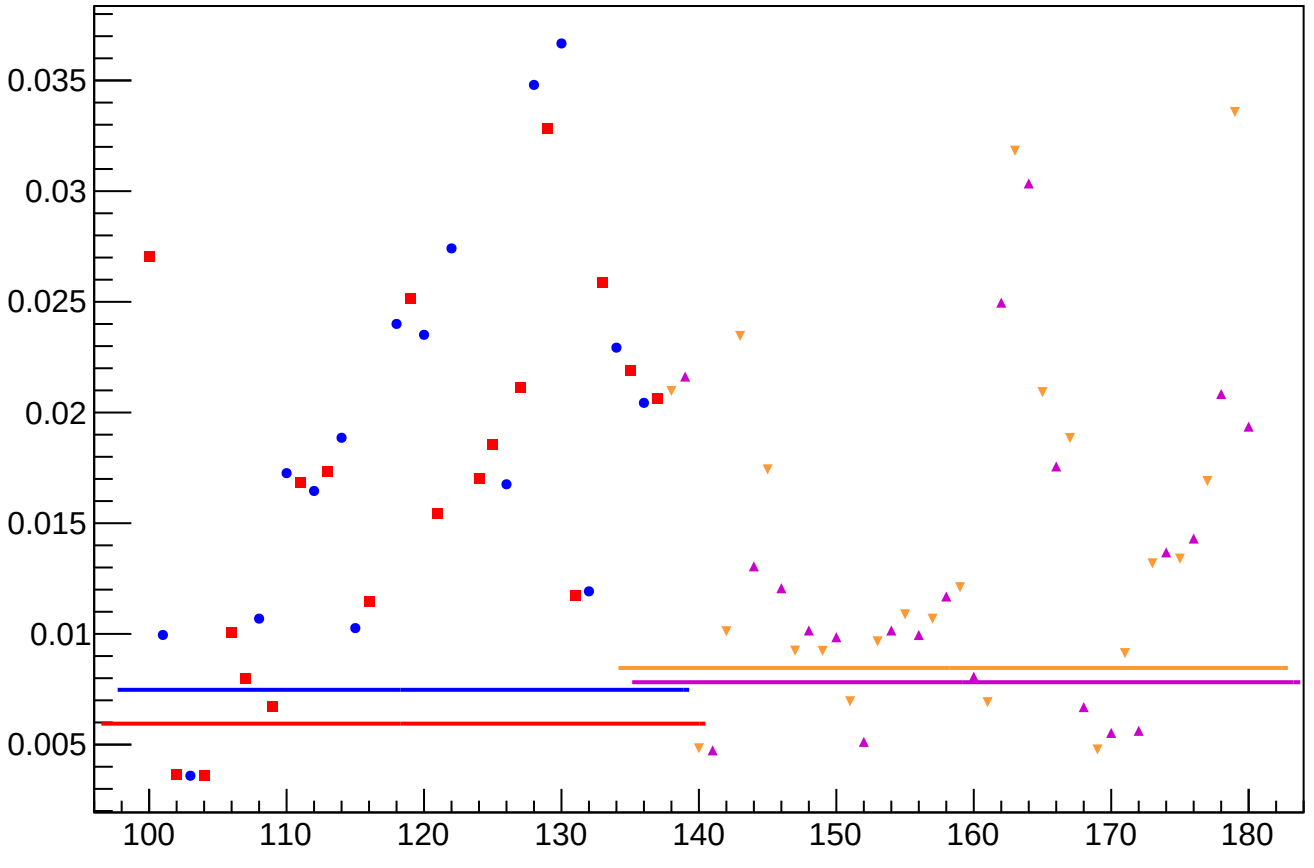
Left: -0.000+/-0.000 χ^2/NDF: 67.0/42

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:40.9/36

Out: -0.000+/-0.000 χ^2/NDF:62.4/40

All: -0.000+/-0.000 χ^2/NDF: 105.4/77



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:7514706.5/21

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6669111.5/20

Left: 0.008+/-0.000 χ^2/NDF: 14262627.9/42

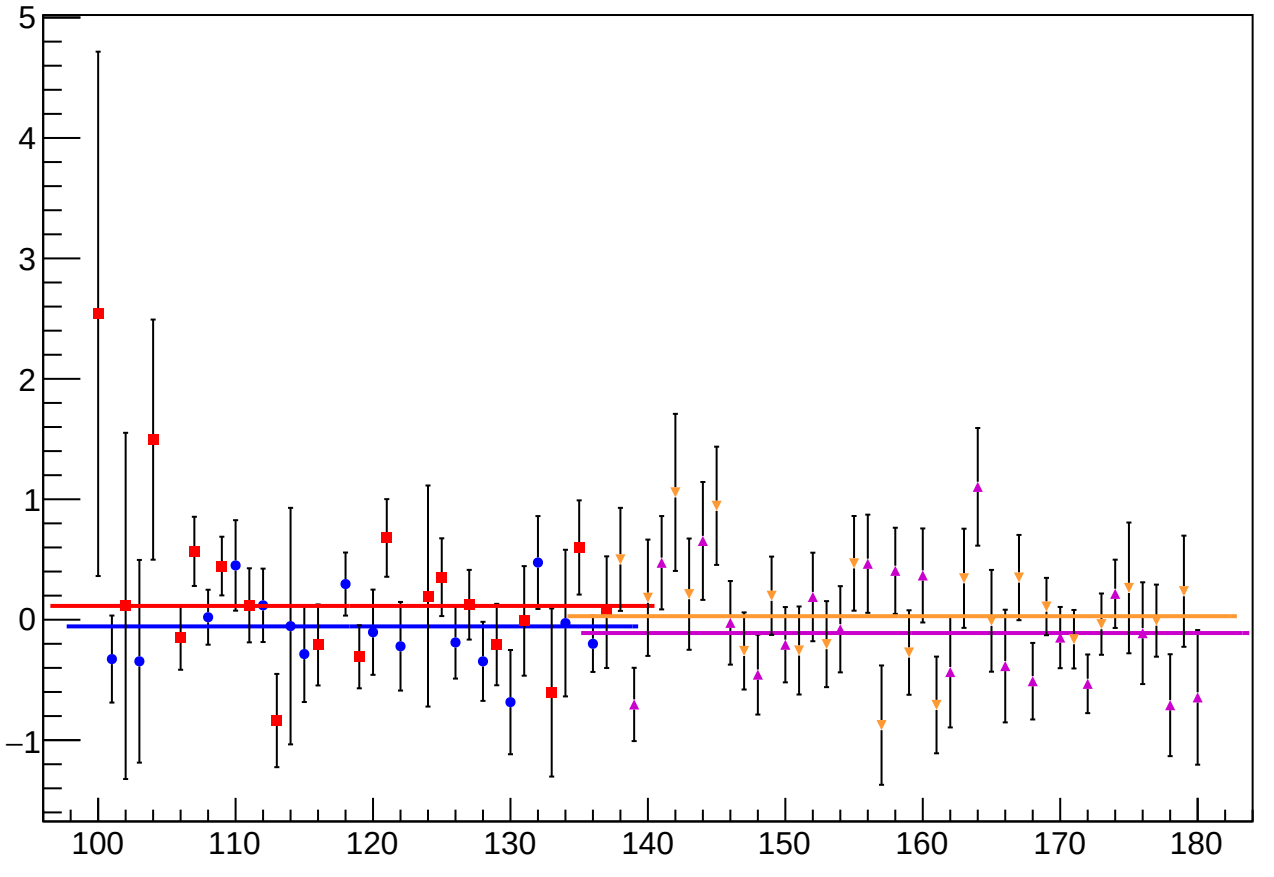
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12757521.9/36

Out: 0.007+/-0.000 χ^2/NDF:14355698.7/40

All: 0.008+/-0.000 χ^2/NDF: 27134140.3/77

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: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.111+/-0.077 χ^2/NDF:31.9/20

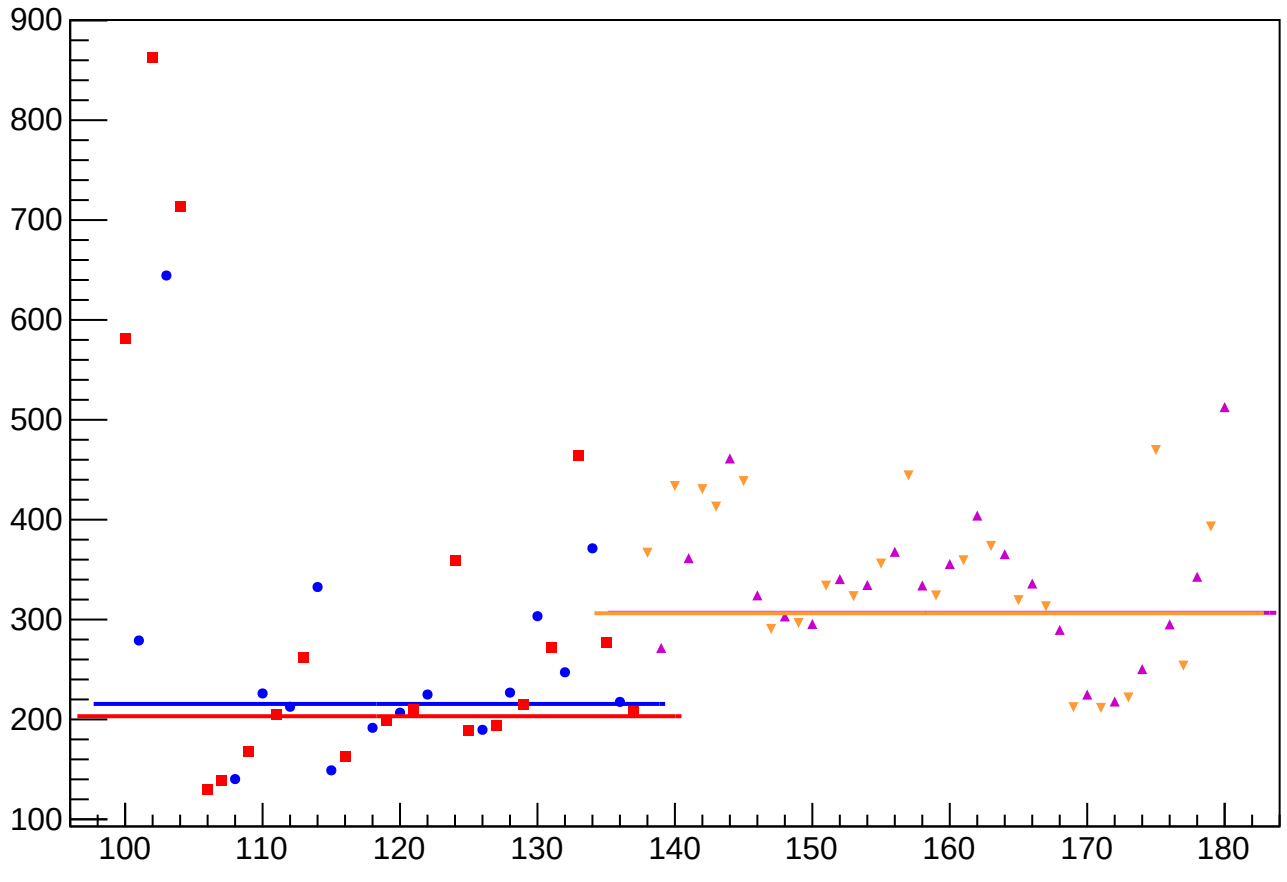
Left: -0.040+/-0.055 χ^2/NDF: 54.4/42

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.086+/-0.057 χ^2/NDF:42.7/36

Out: 0.068+/-0.056 χ^2/NDF:46.7/40

All: -0.008+/-0.040 χ^2/NDF: 93.1/77



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 306.336+/-0.054 χ^2/NDF:1960098.5/21

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

Left: 306.549+/-0.039 χ^2/NDF: 3323315.8/42

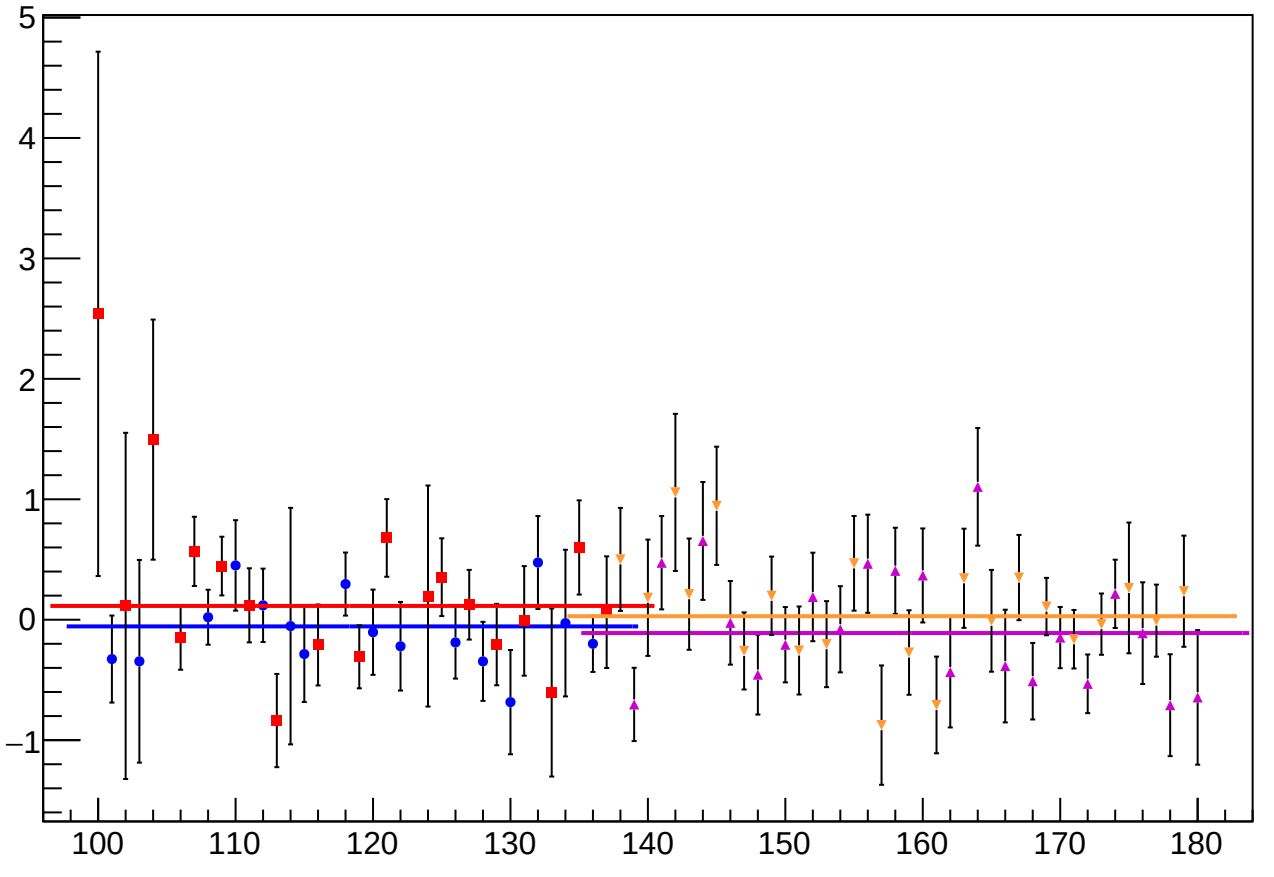
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.719+/-0.041 χ^2/NDF:3766018.1/36

Out: 258.838+/-0.040 χ^2/NDF:5452677.1/40

All: 262.227+/-0.028 χ^2/NDF: 9233320.2/77

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: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.111+/-0.077 χ^2/NDF:31.9/20

Left: -0.040+/-0.055 χ^2/NDF: 54.4/42

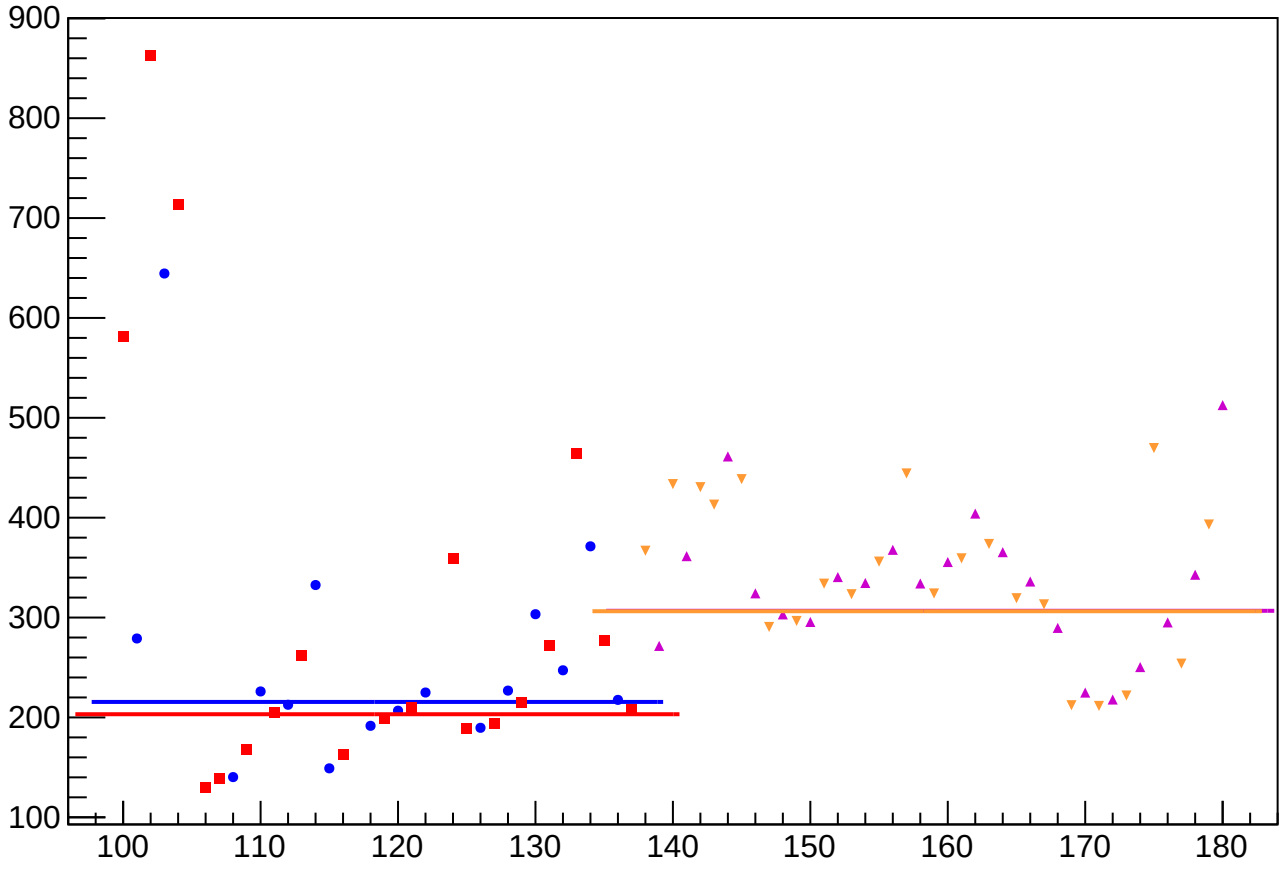
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.086+/-0.057 χ^2/NDF:42.7/36

Out: 0.068+/-0.056 χ^2/NDF:46.7/40

All: -0.008+/-0.040 χ^2/NDF: 93.1/77

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: 306.336+/-0.054 χ^2/NDF:1960098.5/21

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.765+/-0.055 χ^2/NDF:1363186.3/20

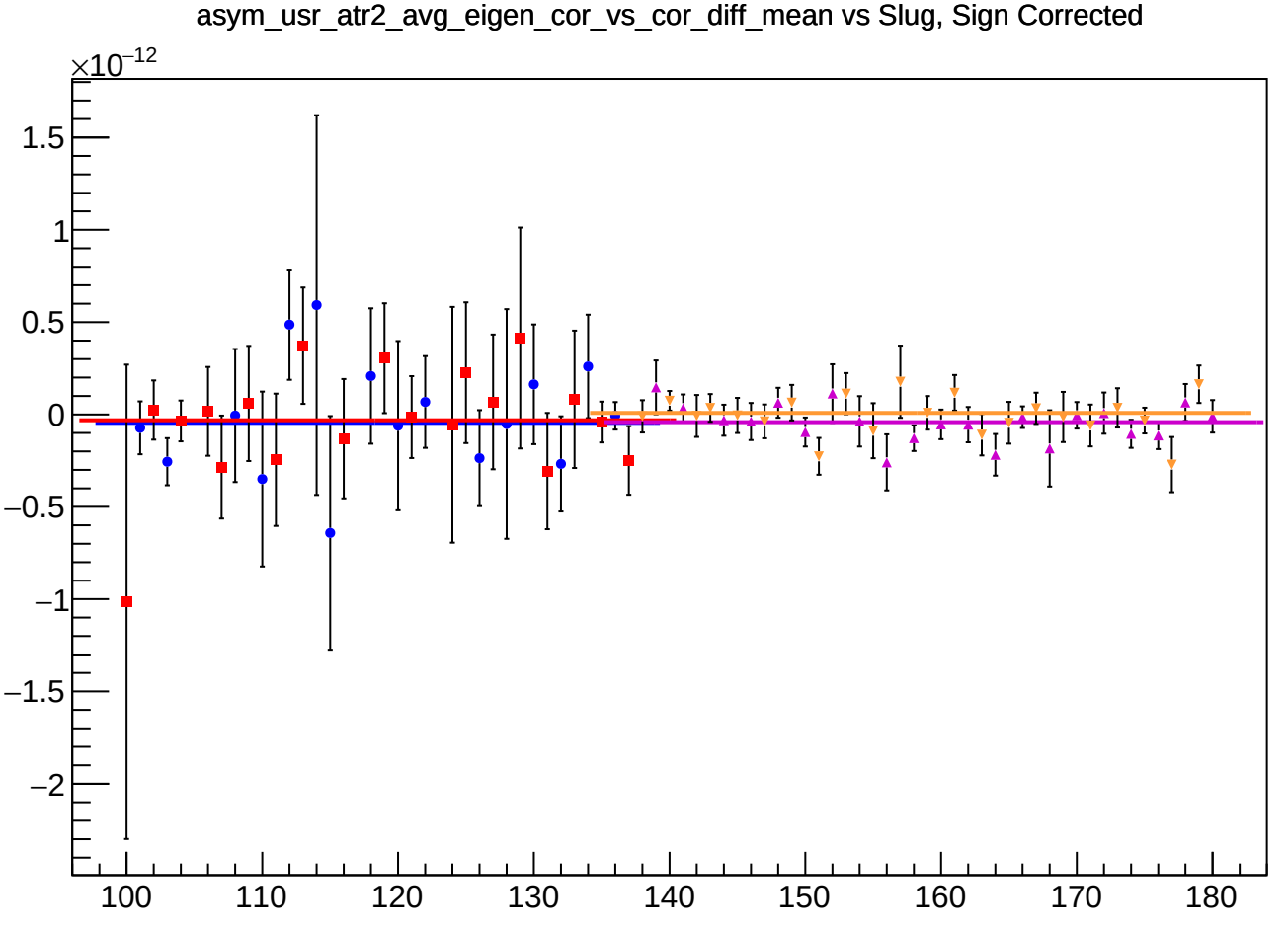
Left: 306.549+/-0.039 χ^2/NDF: 3323315.8/42

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 265.719+/-0.041 χ^2/NDF:3766018.1/36

Out: 258.838+/-0.040 χ^2/NDF:5452677.1/40

All: 262.227+/-0.028 χ^2/NDF: 9233320.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/20

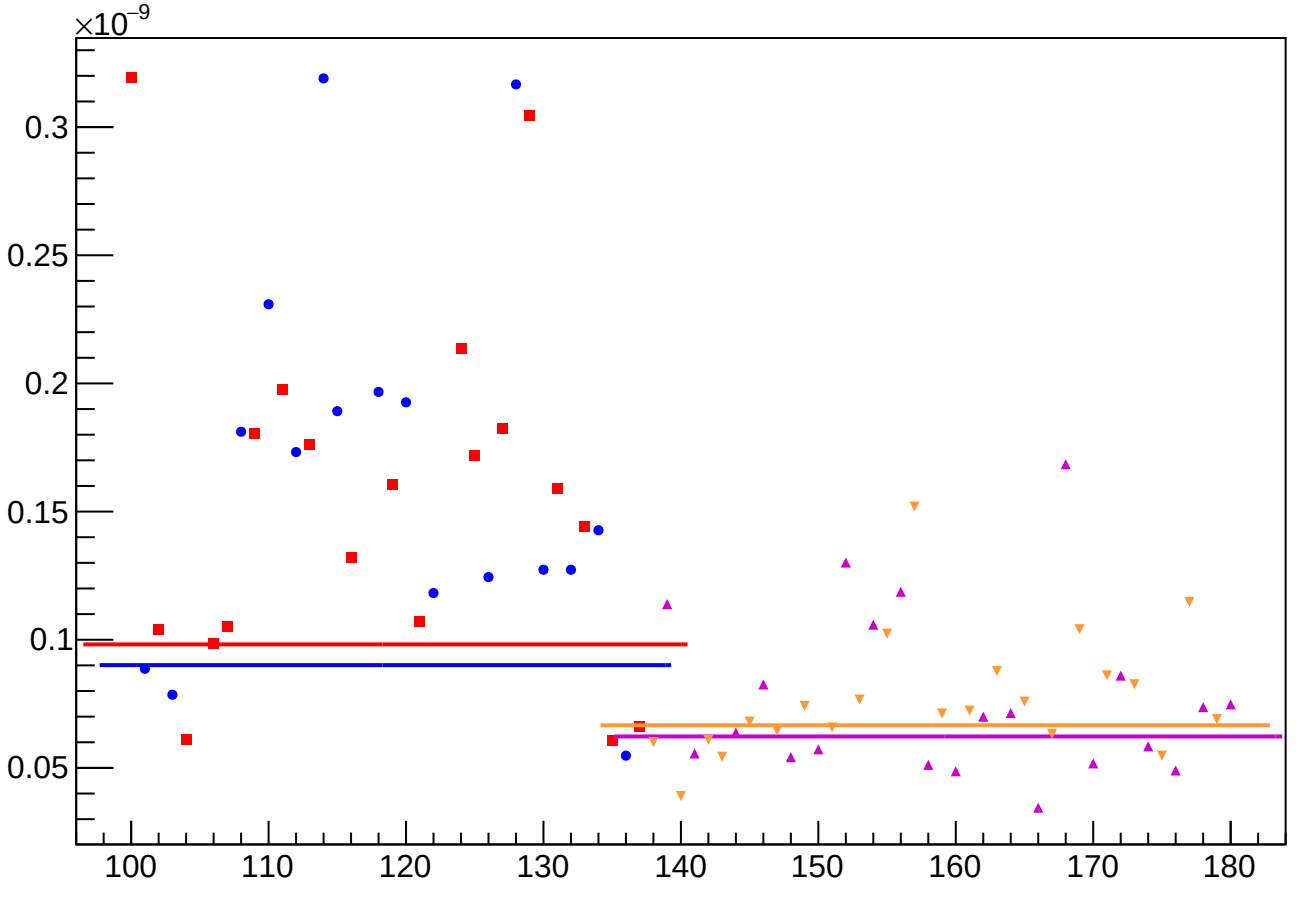
Left: -0.000+/-0.000 χ^2/NDF: 38.4/42

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:27.4/36

Out: 0.000+/-0.000 χ^2/NDF:28.1/40

All: -0.000+/-0.000 χ^2/NDF: 58.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758456.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2609145.1/20

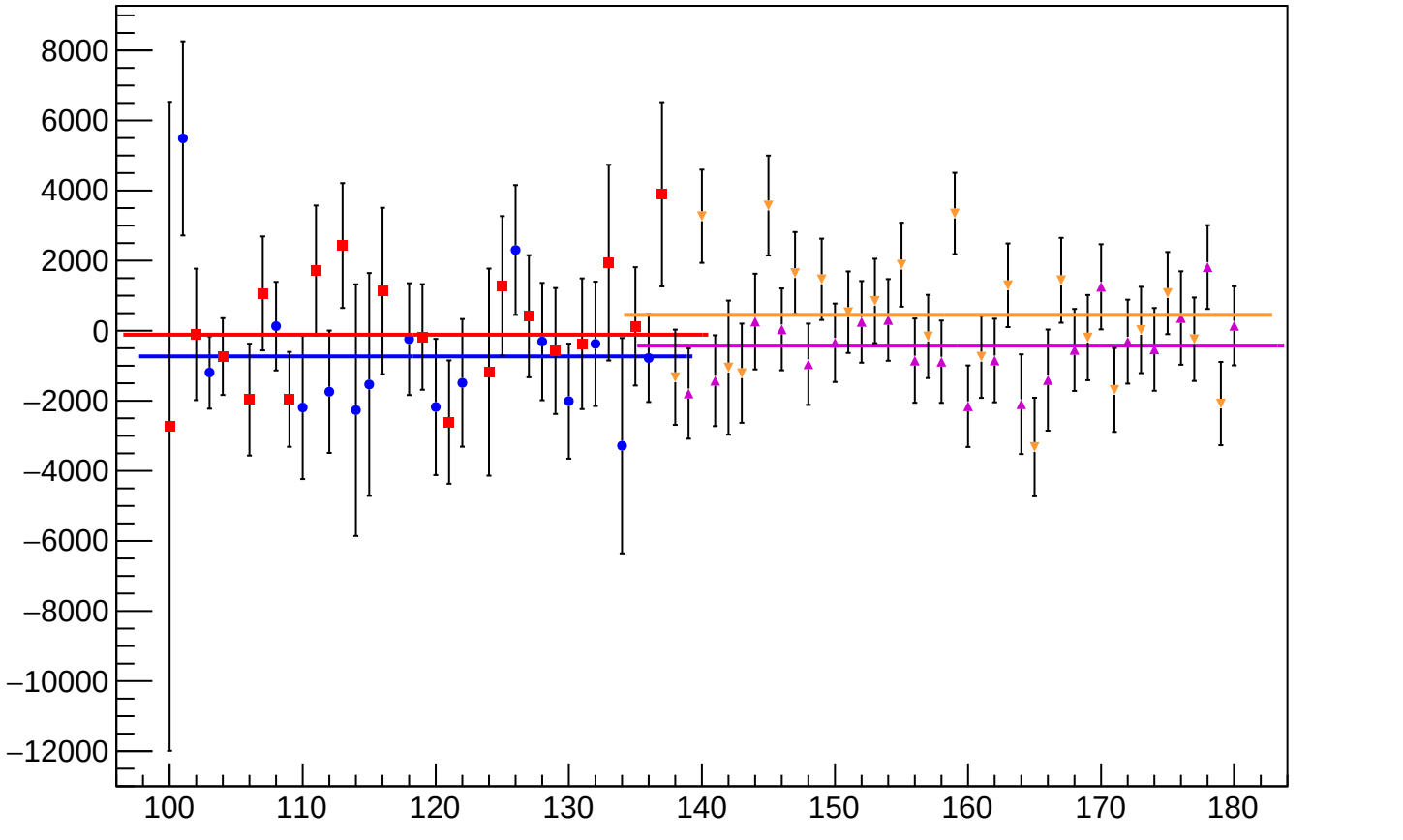
Left: 0.000+/-0.000 χ^2/NDF: 4416046.6/42

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4955875.6/36

Out: 0.000+/-0.000 χ^2/NDF:4090087.4/40

All: 0.000+/-0.000 χ^2/NDF: 9115362.5/77



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 453.380+/-265.284 χ^2/NDF:41.0/21

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -425.271+/-265.543 χ^2/NDF:13.6/20

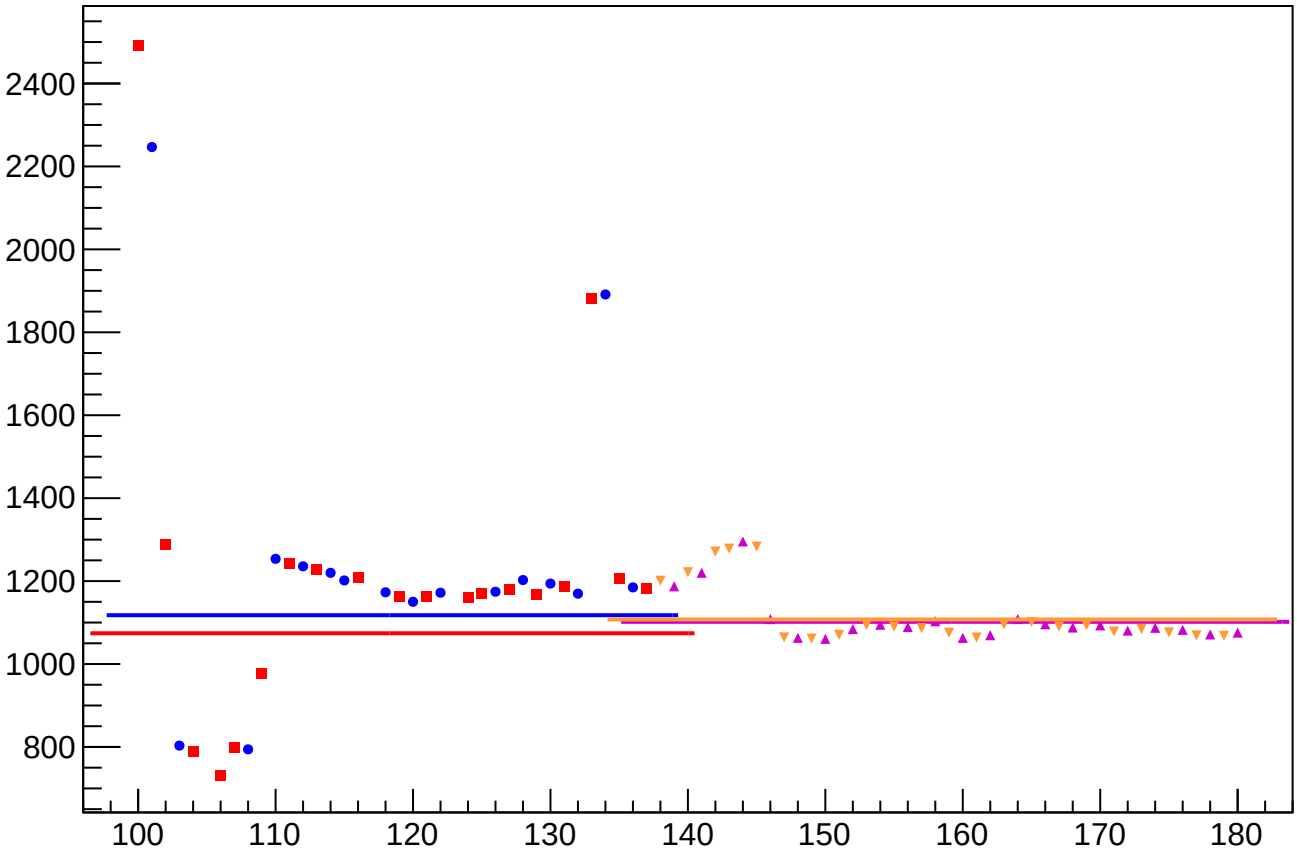
Left: 14.483+/-187.676 χ^2/NDF: 60.1/42

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -510.909+/-225.552 χ^2/NDF:25.7/36

Out: 286.462+/-222.957 χ^2/NDF:55.4/40

All: -107.609+/-158.564 χ^2/NDF: 87.4/77



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

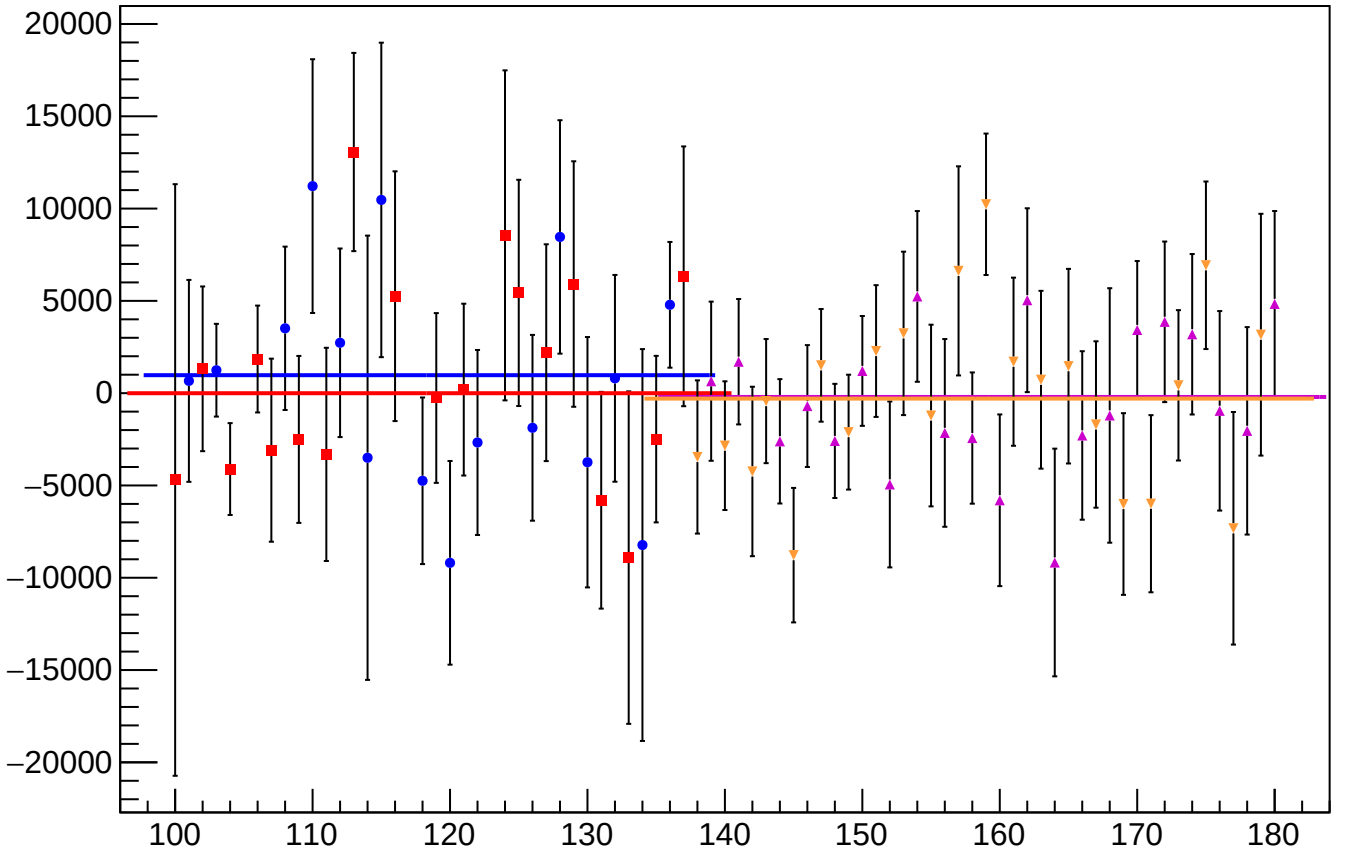
Left: 1104.606+/-0.133 χ^2/NDF: 200082.8/42

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1106.182+/-0.159 χ^2/NDF:901174.5/36

Out: 1097.566+/-0.157 χ^2/NDF:779167.1/40

All: 1101.814+/-0.112 χ^2/NDF: 1681821.3/77



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -294.341+/-894.139 χ^2/NDF:25.5/21

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -205.927+/-906.585 χ^2/NDF:13.2/20

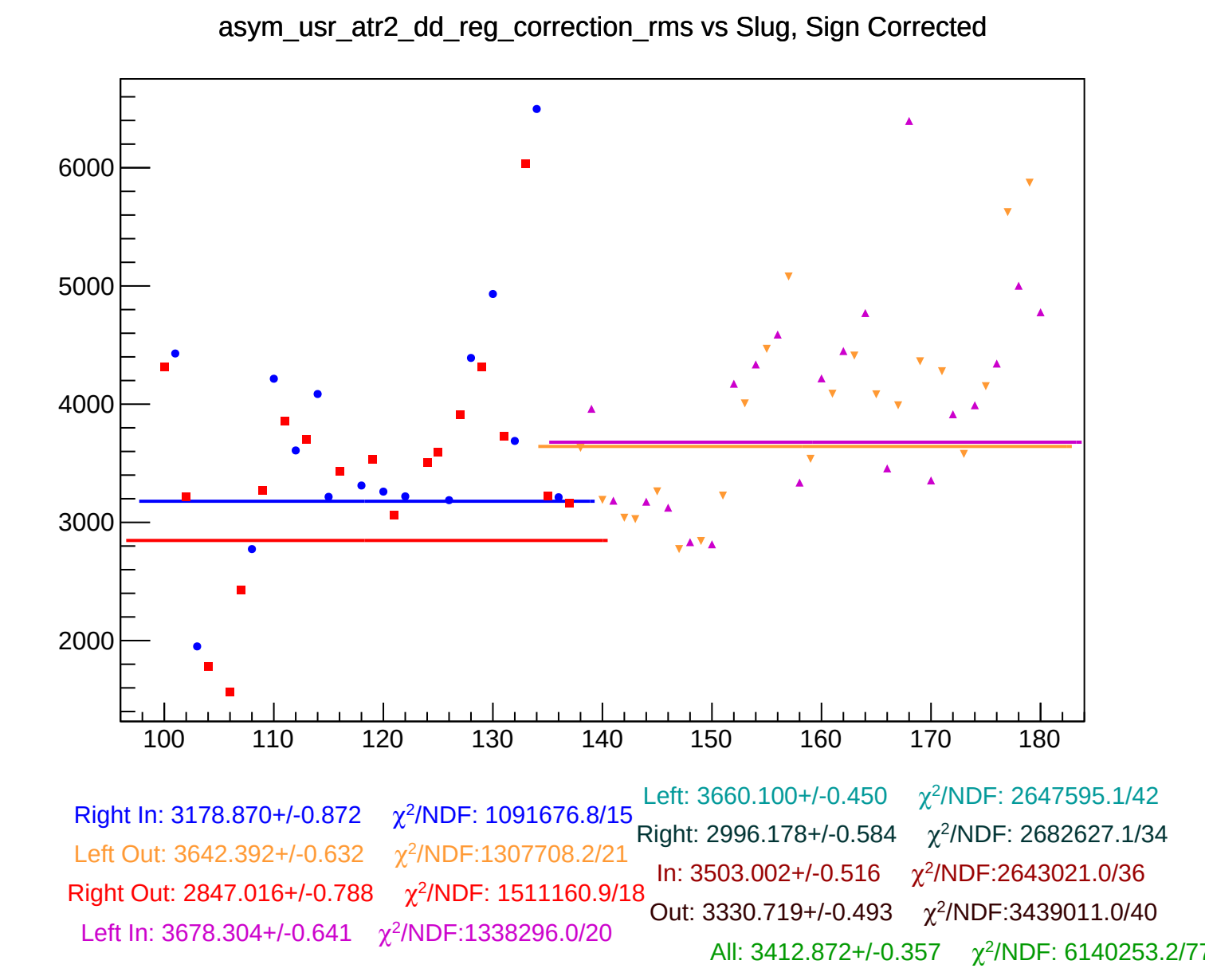
Left: -250.745+/-636.606 χ^2/NDF: 38.7/42

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 208.142+/-730.349 χ^2/NDF:27.6/36

Out: -180.133+/-697.282 χ^2/NDF:42.1/40

All: 5.016+/-504.338 χ^2/NDF: 69.8/77


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
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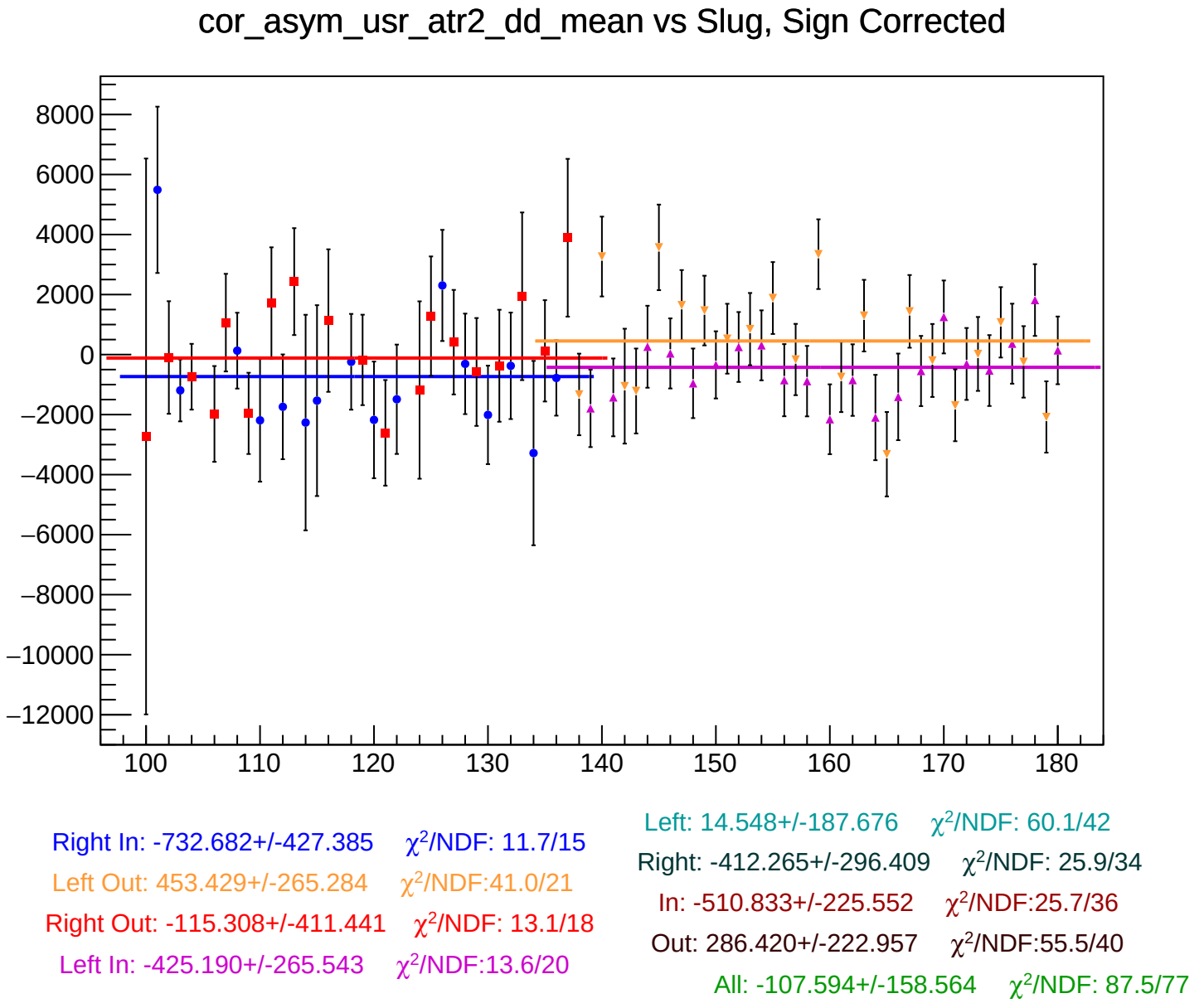
170
180
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3642.392+/-0.632 χ²/NDF:1307708.2/21
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3678.304+/-0.641 χ²/NDF:1338296.0/20
Left: 3660.100+/-0.450 χ²/NDF: 2647595.1/42
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3503.002+/-0.516 χ²/NDF:2643021.0/36
Out: 3330.719+/-0.493 χ²/NDF:3439011.0/40
All: 3412.872+/-0.357 χ²/NDF: 6140253.2/77


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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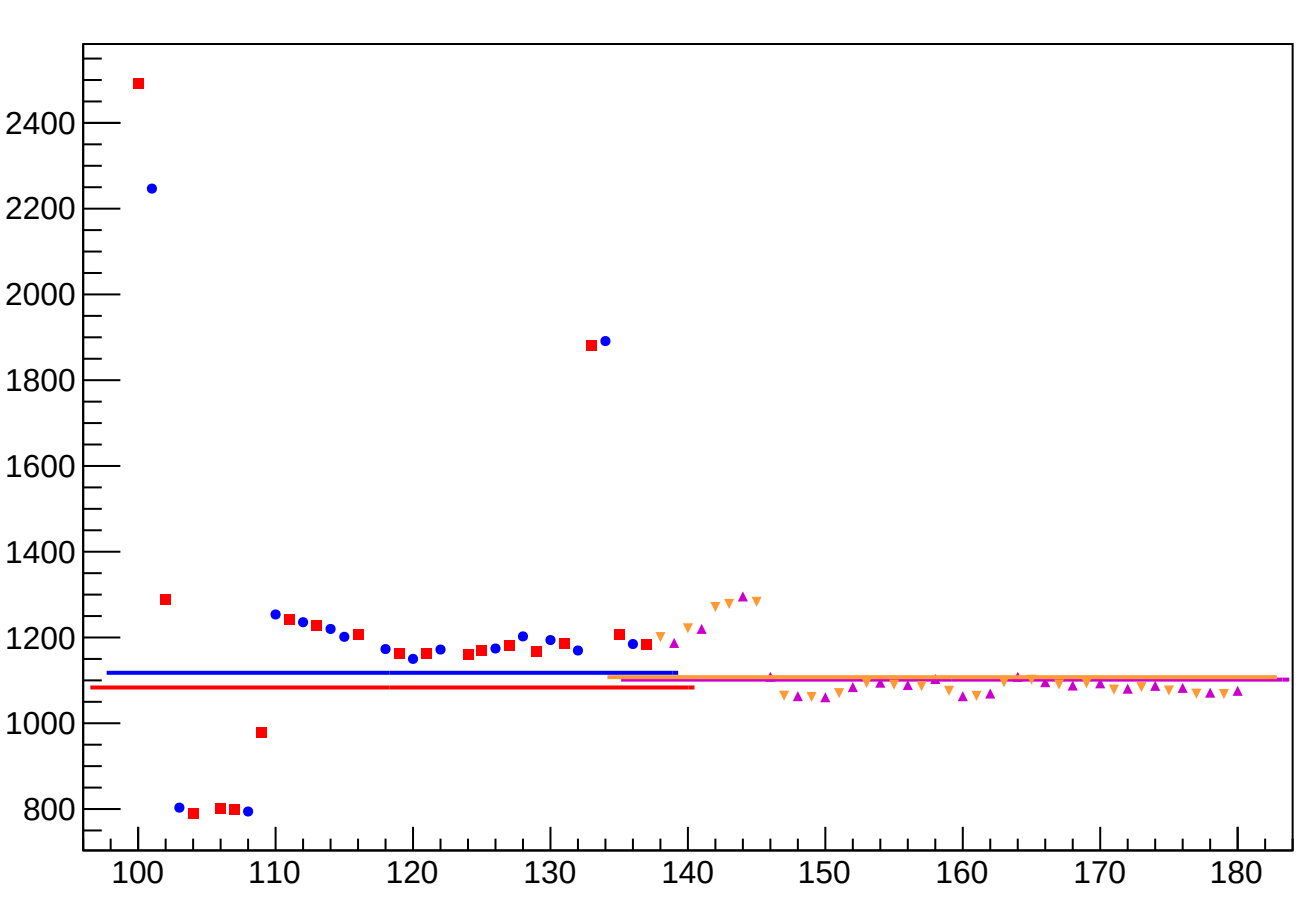
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 453.429+/-265.284 χ²/NDF:41.0/21
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -425.190+/-265.543 χ²/NDF:13.6/20
Left: 14.548+/-187.676 χ²/NDF: 60.1/42
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -510.833+/-225.552 χ²/NDF:25.7/36
Out: 286.420+/-222.957 χ²/NDF:55.5/40
All: -107.594+/-158.564 χ²/NDF: 87.5/77



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

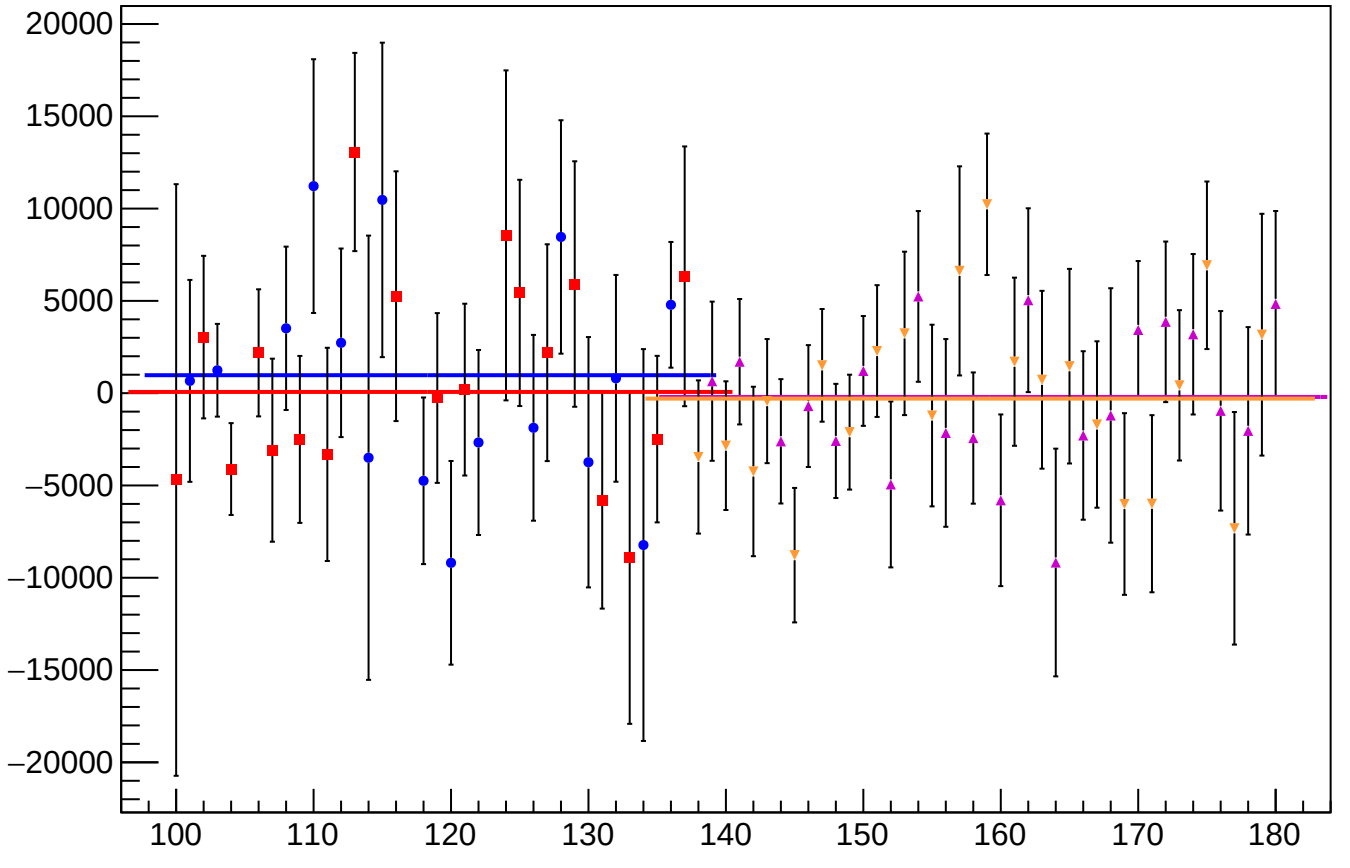
Left: 1104.606+/-0.133 χ^2/NDF: 200082.8/42

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1106.182+/-0.159 χ^2/NDF:901171.3/36

Out: 1100.385+/-0.158 χ^2/NDF:720140.2/40

All: 1103.249+/-0.112 χ^2/NDF: 1621980.0/77



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -205.898+/-906.584 χ^2/NDF:13.2/20

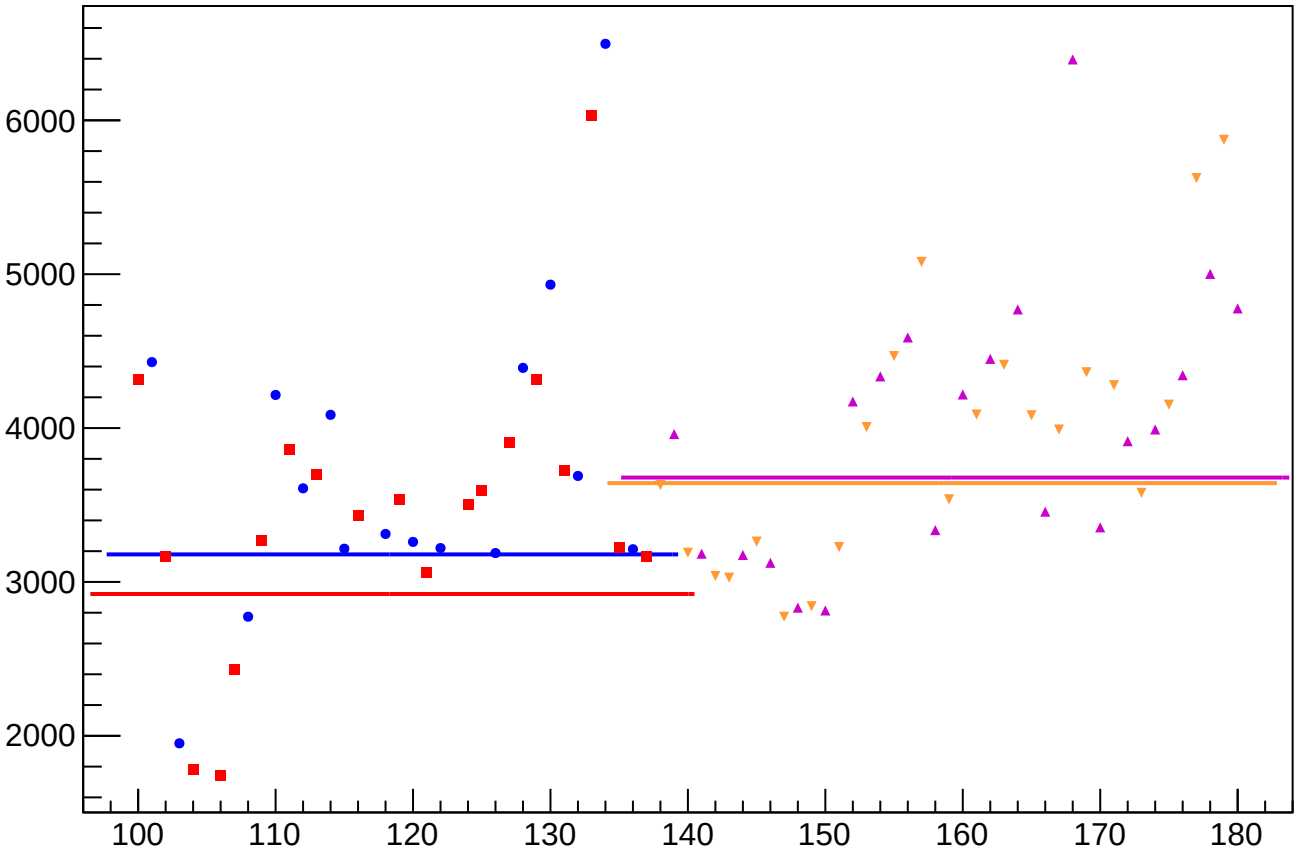
Left: -250.735+/-636.606 χ^2/NDF: 38.7/42

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 207.965+/-730.359 χ^2/NDF:27.6/36

Out: -156.362+/-703.053 χ^2/NDF:42.5/40

All: 18.863+/-506.512 χ^2/NDF: 70.2/77



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

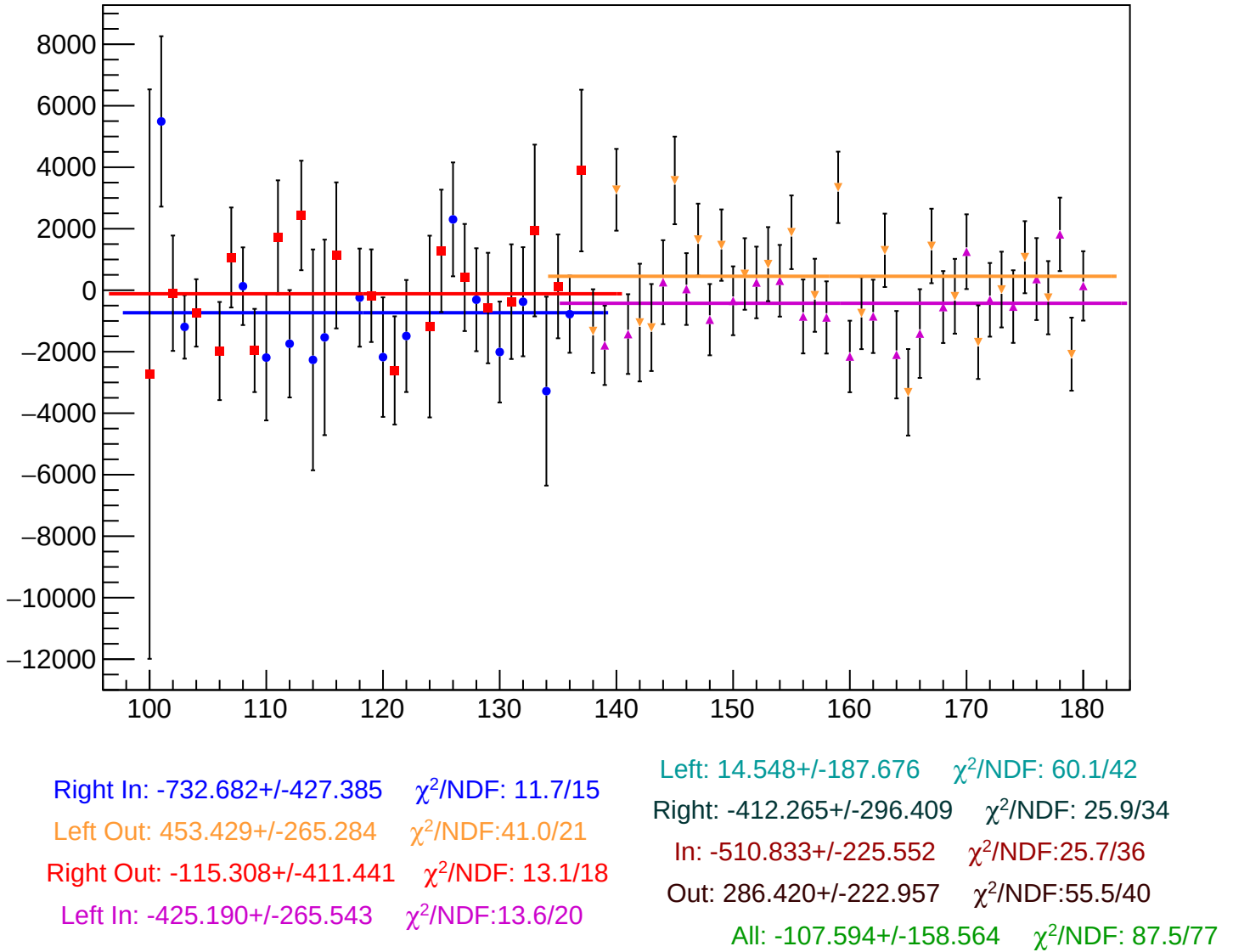
Left: 3660.096+/-0.450 χ^2/NDF: 2647604.0/42

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3503.074+/-0.516 χ^2/NDF:2642412.2/36

Out: 3367.246+/-0.497 χ^2/NDF:3116695.5/40

All: 3432.574+/-0.358 χ^2/NDF: 5795011.8/77


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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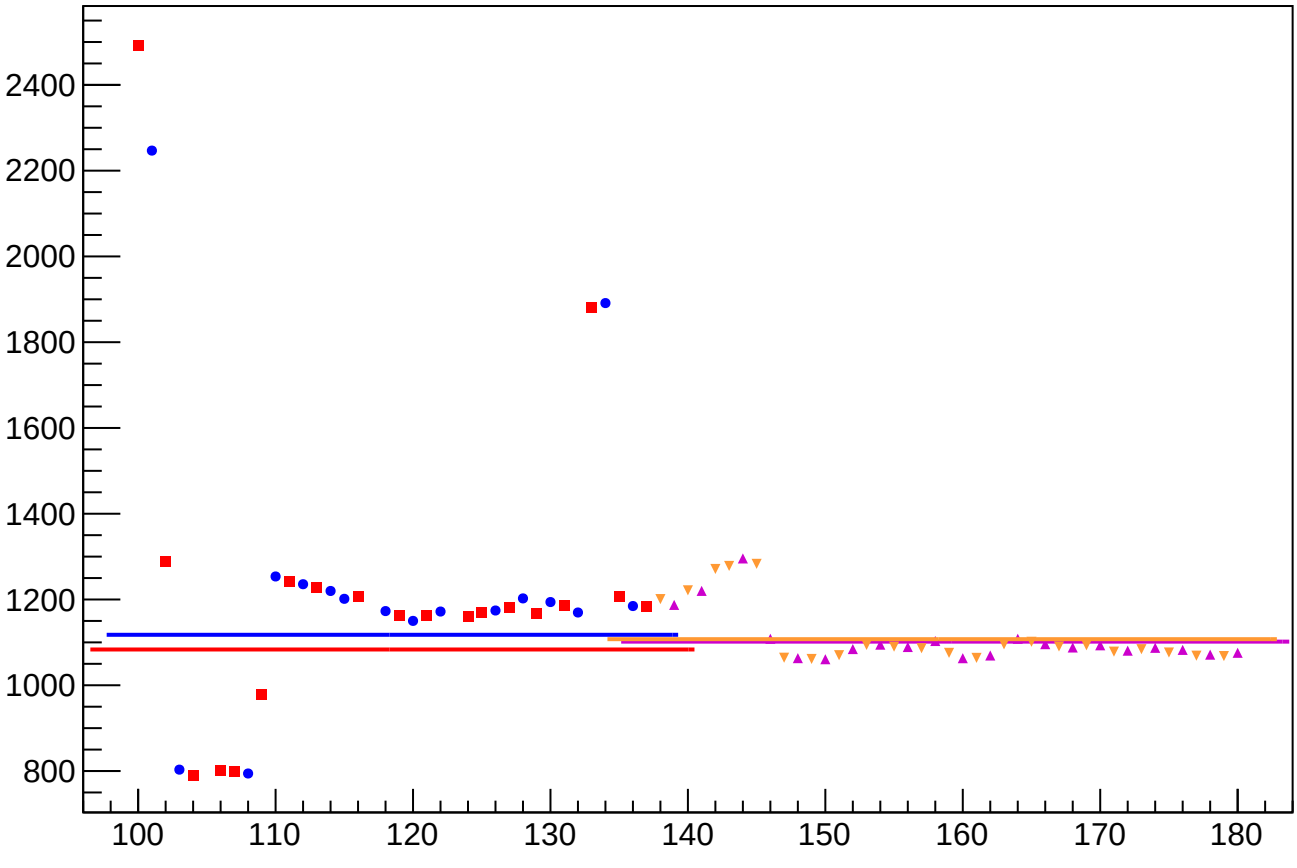
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 453.429+/-265.284 χ²/NDF:41.0/21
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -425.190+/-265.543 χ²/NDF:13.6/20
Left: 14.548+/-187.676 χ²/NDF: 60.1/42
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -510.833+/-225.552 χ²/NDF:25.7/36
Out: 286.420+/-222.957 χ²/NDF:55.5/40
All: -107.594+/-158.564 χ²/NDF: 87.5/77



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1101.742+/-0.188 χ^2/NDF:79331.7/20

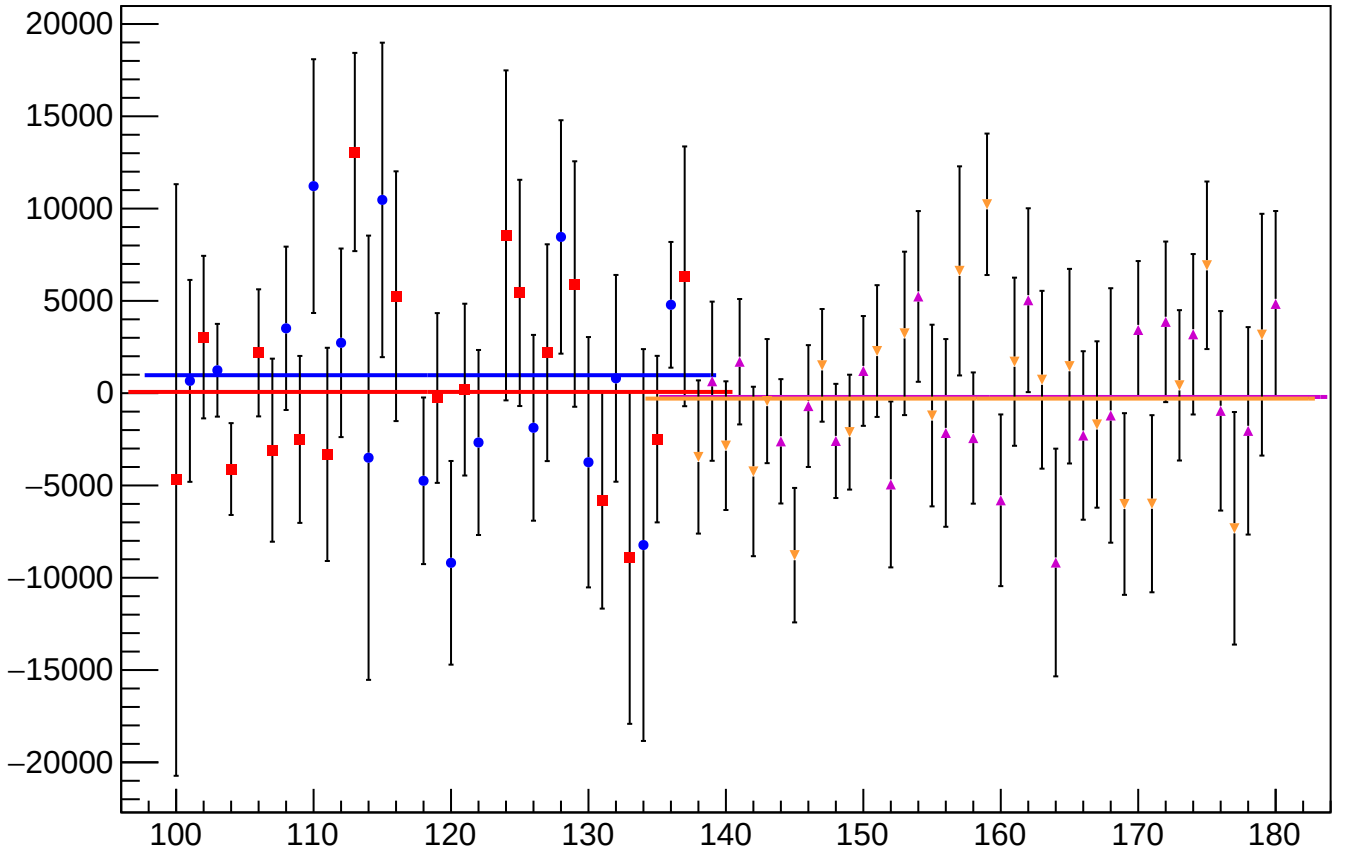
Left: 1104.606+/-0.133 χ^2/NDF: 200082.8/42

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1106.182+/-0.159 χ^2/NDF:901171.3/36

Out: 1100.385+/-0.158 χ^2/NDF:720140.2/40

All: 1103.249+/-0.112 χ^2/NDF: 1621980.0/77



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -205.898+/-906.584 χ^2/NDF:13.2/20

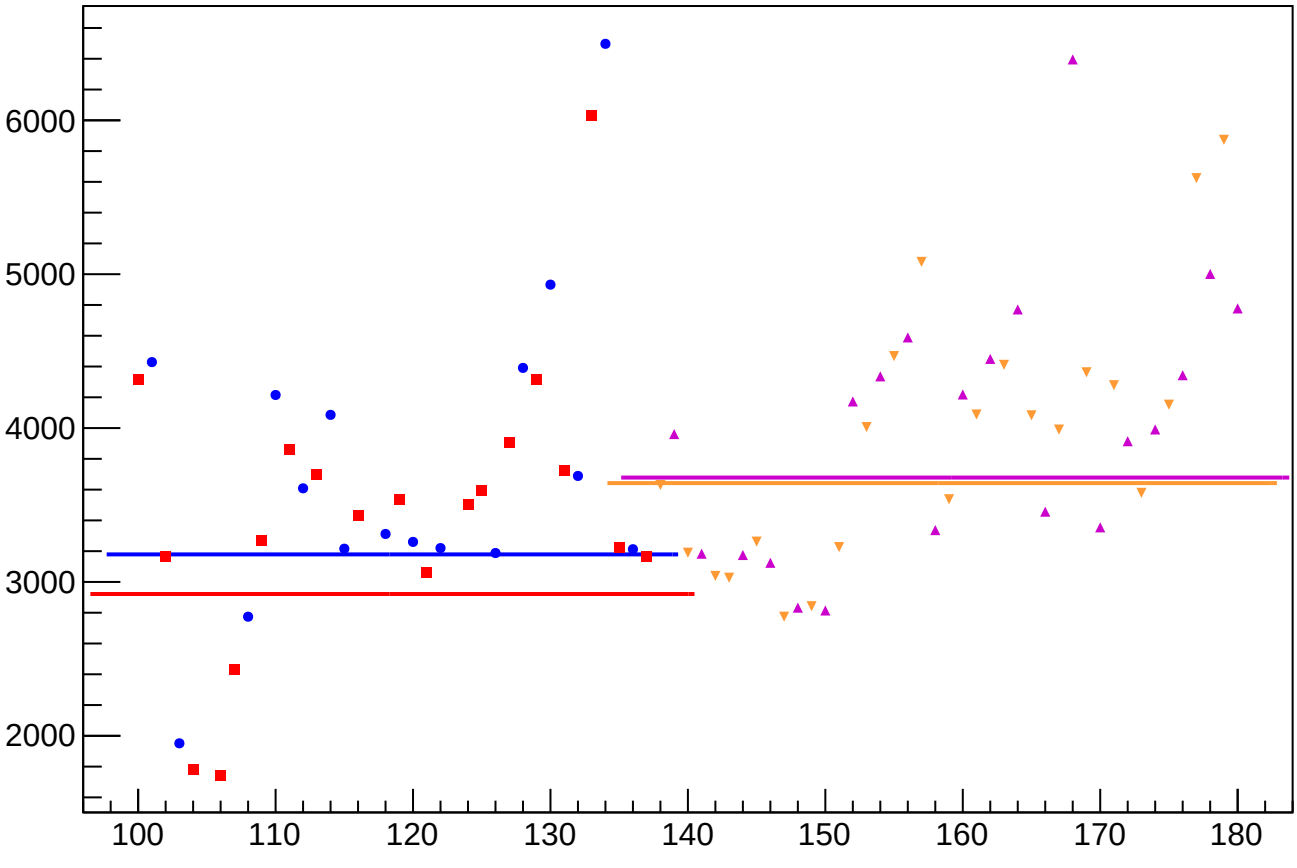
Left: -250.735+/-636.606 χ^2/NDF: 38.7/42

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 207.965+/-730.359 χ^2/NDF:27.6/36

Out: -156.362+/-703.053 χ^2/NDF:42.5/40

All: 18.863+/-506.512 χ^2/NDF: 70.2/77



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3678.301+/-0.641 χ^2/NDF:1338297.8/20

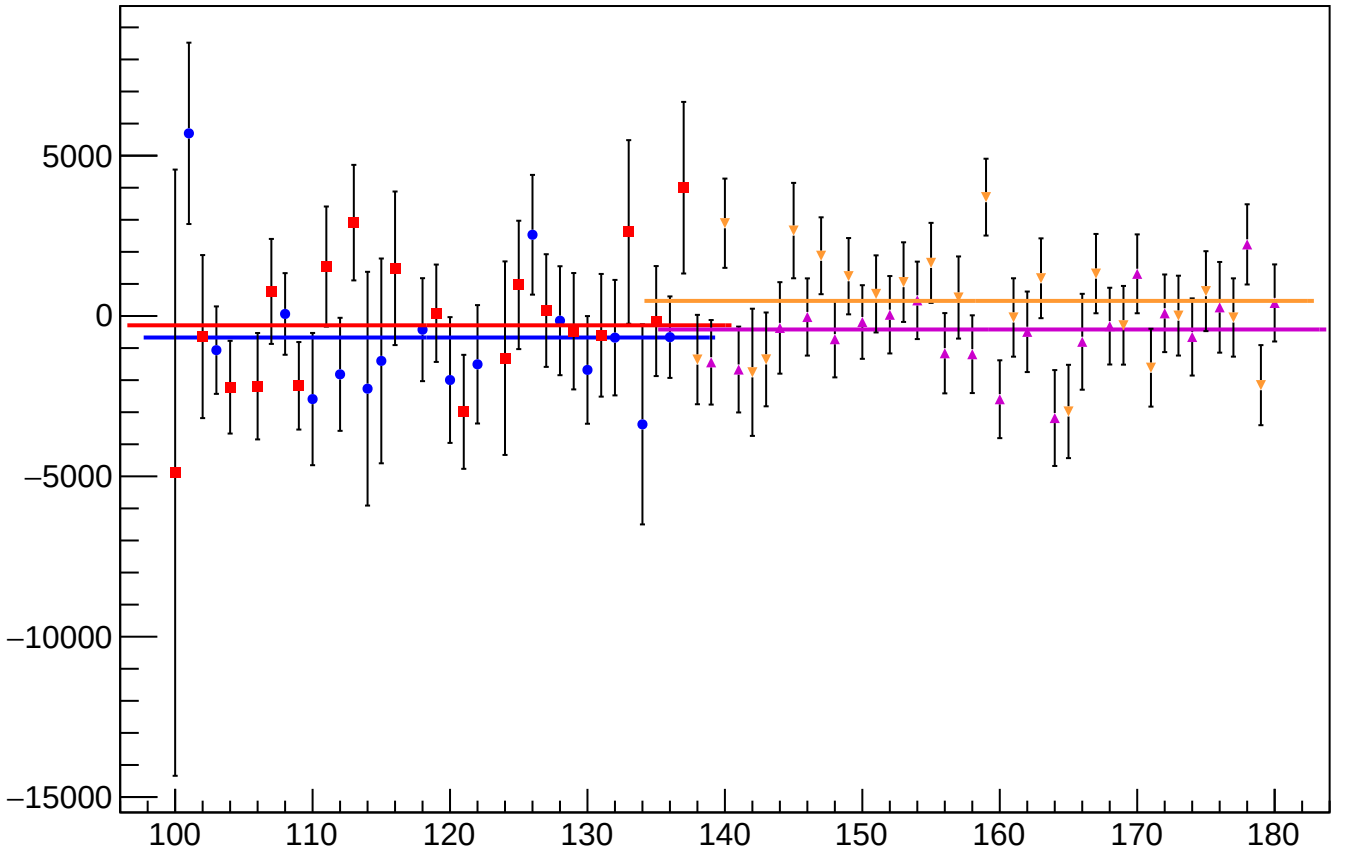
Left: 3660.096+/-0.450 χ^2/NDF: 2647604.0/42

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3503.074+/-0.516 χ^2/NDF:2642412.2/36

Out: 3367.246+/-0.497 χ^2/NDF:3116695.5/40

All: 3432.574+/-0.358 χ^2/NDF: 5795011.8/77



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.077+/-274.385 χ^2/NDF:34.7/21

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -420.189+/-274.809 χ^2/NDF:17.3/20

Left: 26.132+/-194.169 χ^2/NDF: 57.3/42

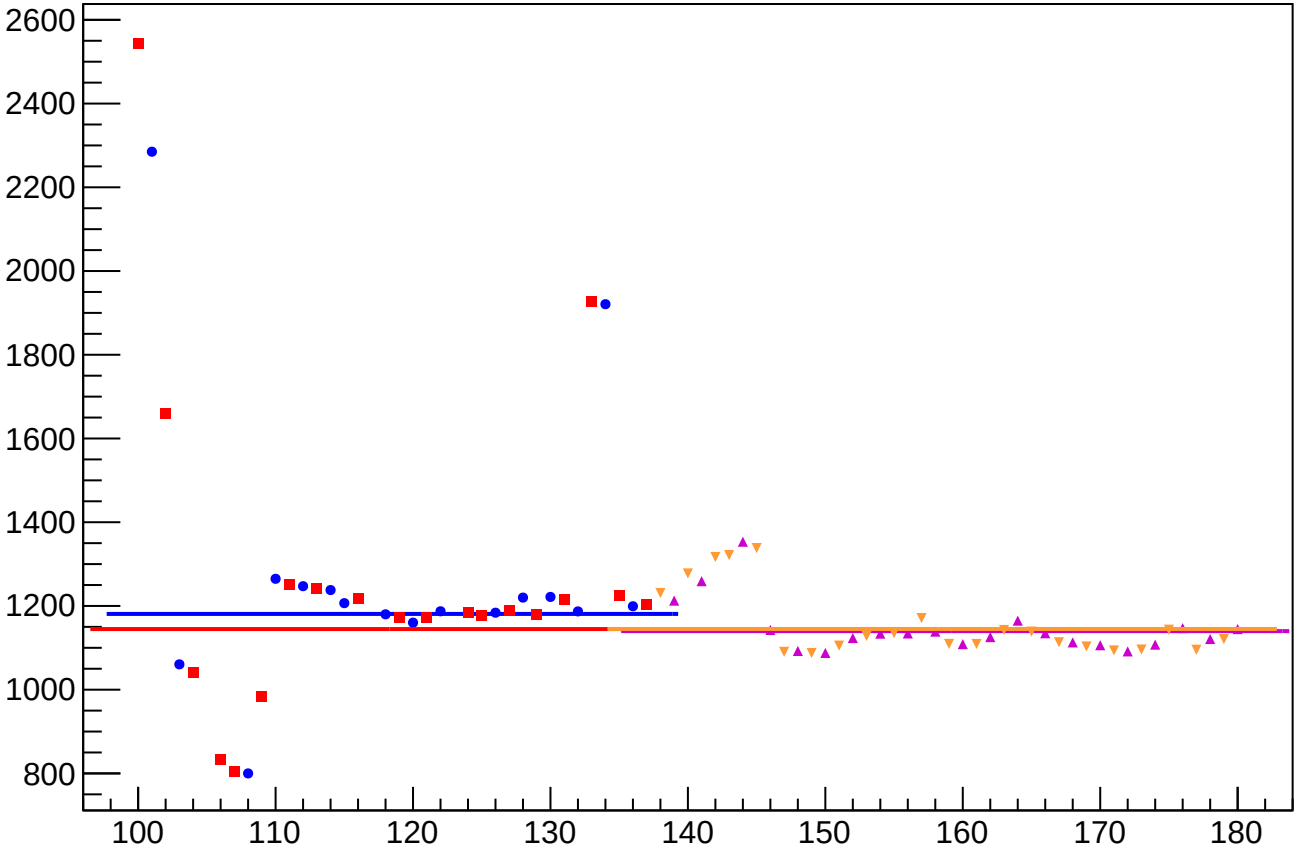
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -488.601+/-234.321 χ^2/NDF:29.4/36

Out: 253.955+/-231.987 χ^2/NDF:53.9/40

All: -113.606+/-164.858 χ^2/NDF: 88.3/77

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133955.8/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1139.891+/-0.194 χ^2/NDF:84432.6/20

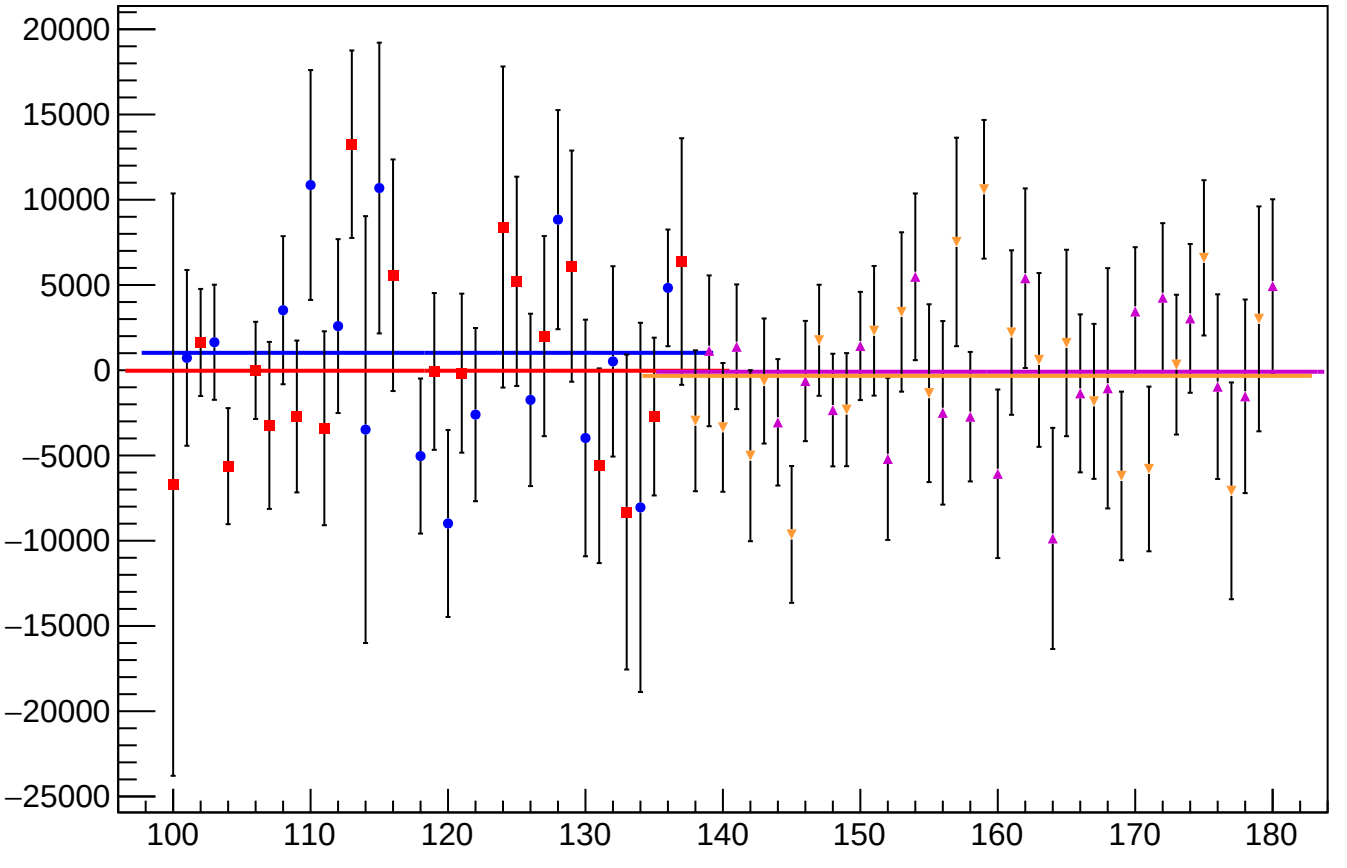
Left: 1142.469+/-0.137 χ^2/NDF: 218740.0/42

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1151.100+/-0.166 χ^2/NDF:718501.1/36

Out: 1144.964+/-0.164 χ^2/NDF:631687.0/40

All: 1148.001+/-0.117 χ^2/NDF: 1350880.6/77



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.151 χ^2/NDF:25.1/21

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -88.993+/-950.755 χ^2/NDF:13.1/20

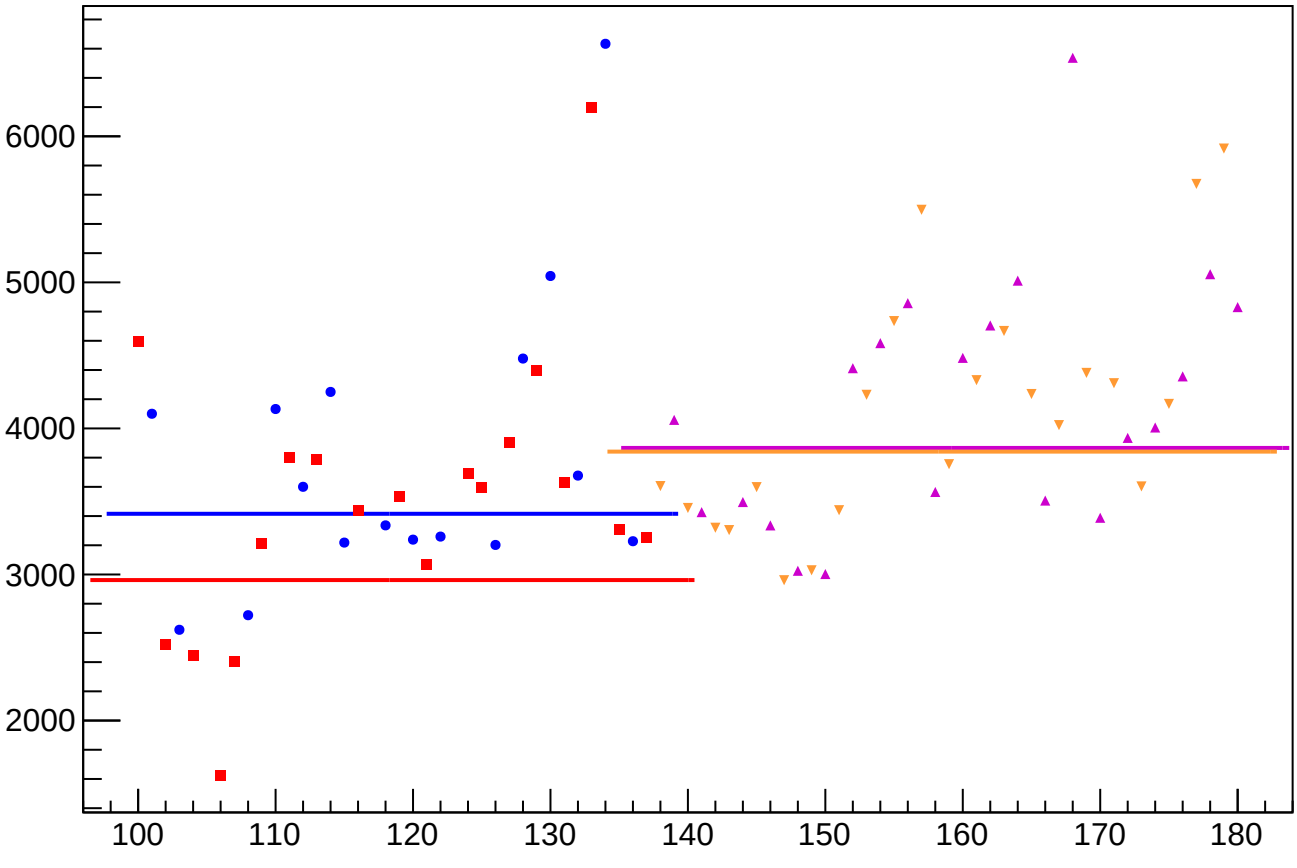
Left: -211.432+/-668.505 χ^2/NDF: 38.2/42

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 296.893+/-767.918 χ^2/NDF:27.4/36

Out: -208.116+/-722.915 χ^2/NDF:41.3/40

All: 29.157+/-526.369 χ^2/NDF: 68.9/77



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3841.280+/-0.665 χ^2/NDF:1118152.1/21

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3866.444+/-0.672 χ^2/NDF:1179676.7/20

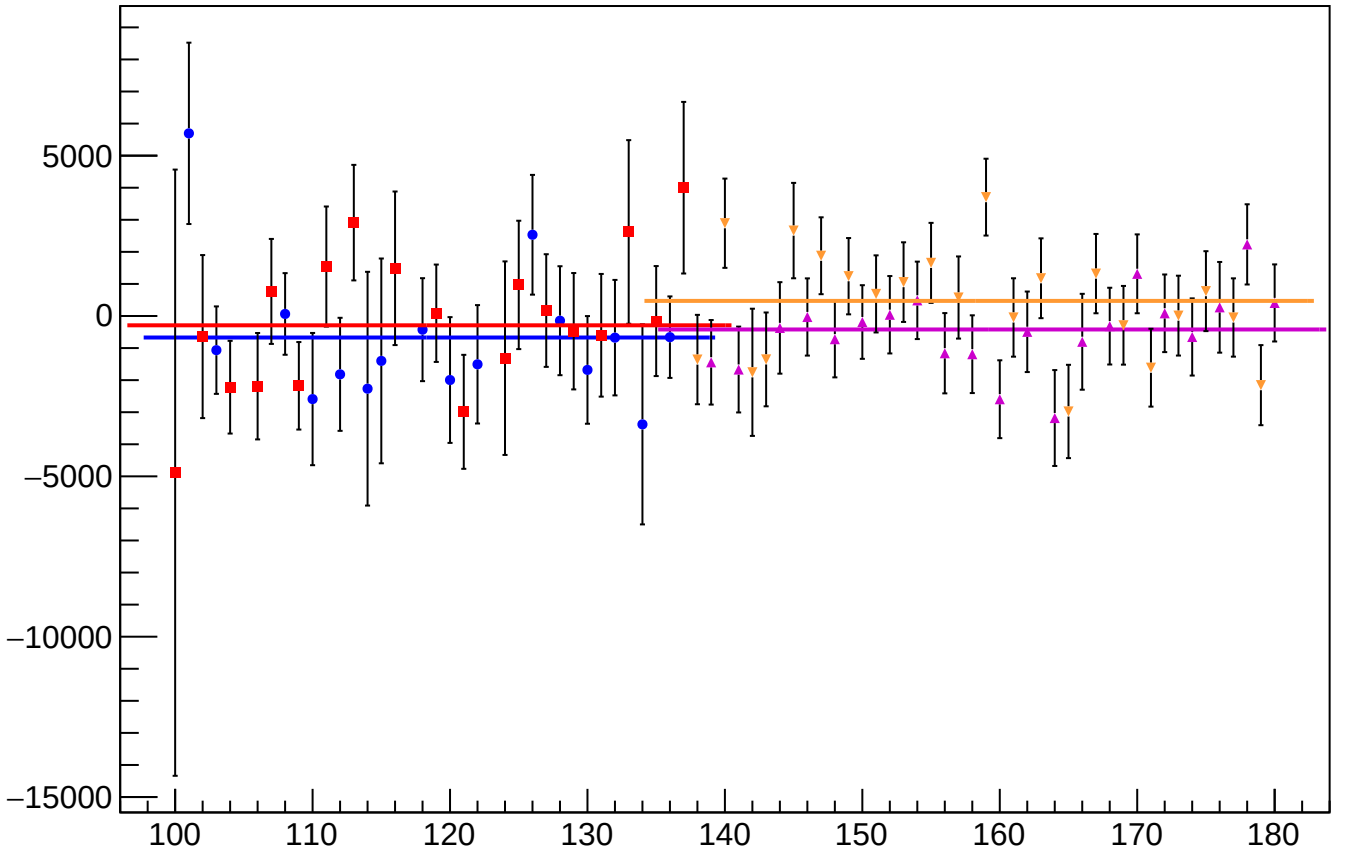
Left: 3853.721+/-0.473 χ^2/NDF: 2298537.2/42

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3709.714+/-0.543 χ^2/NDF:1928362.4/36

Out: 3481.801+/-0.511 χ^2/NDF:3002786.9/40

All: 3588.884+/-0.372 χ^2/NDF: 5024548.8/77



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.082+/-274.385 χ^2/NDF:34.7/21

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -420.188+/-274.809 χ^2/NDF:17.3/20

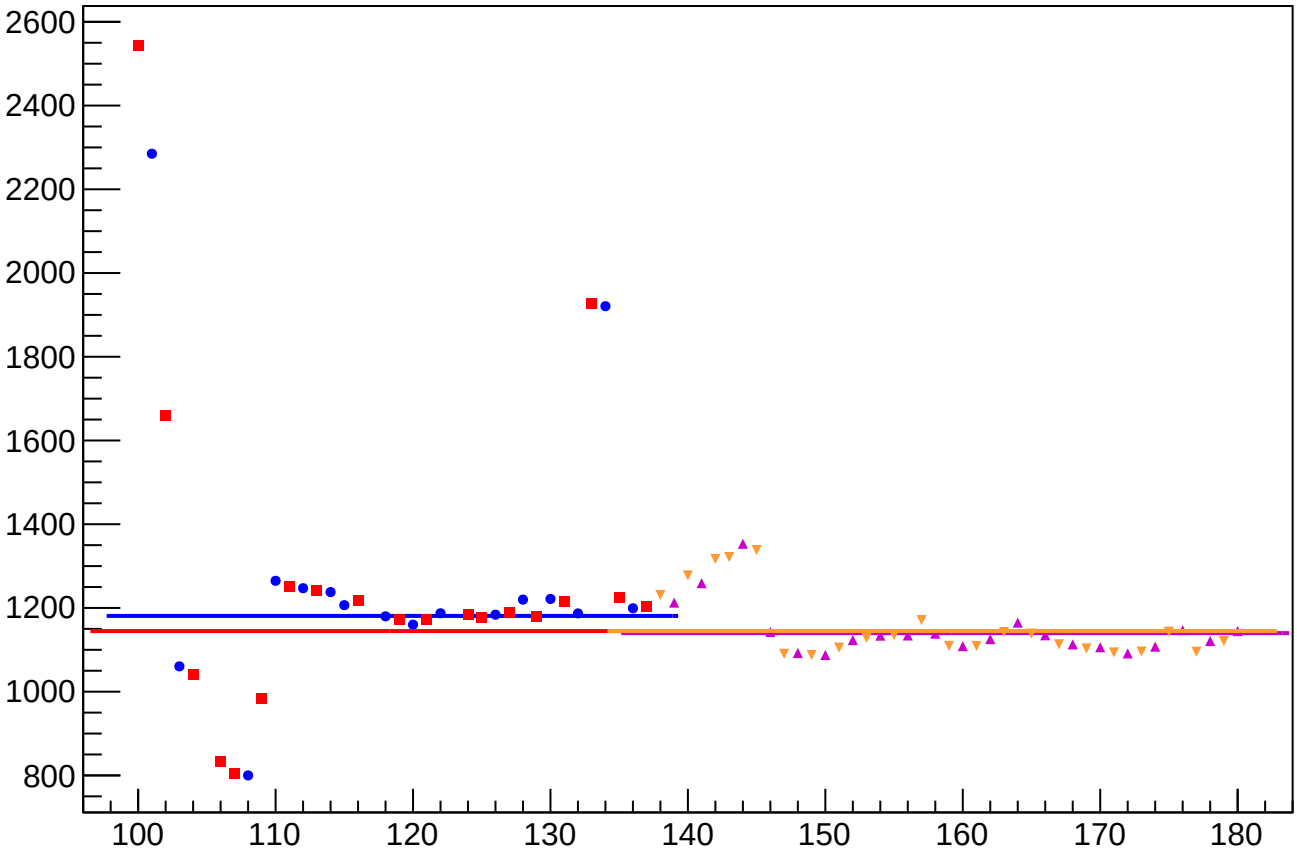
Left: 26.134+/-194.169 χ^2/NDF: 57.3/42

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -488.601+/-234.321 χ^2/NDF:29.4/36

Out: 253.957+/-231.987 χ^2/NDF:53.9/40

All: -113.606+/-164.858 χ^2/NDF: 88.3/77



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133956.0/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1139.891+/-0.194 χ^2/NDF:84432.3/20

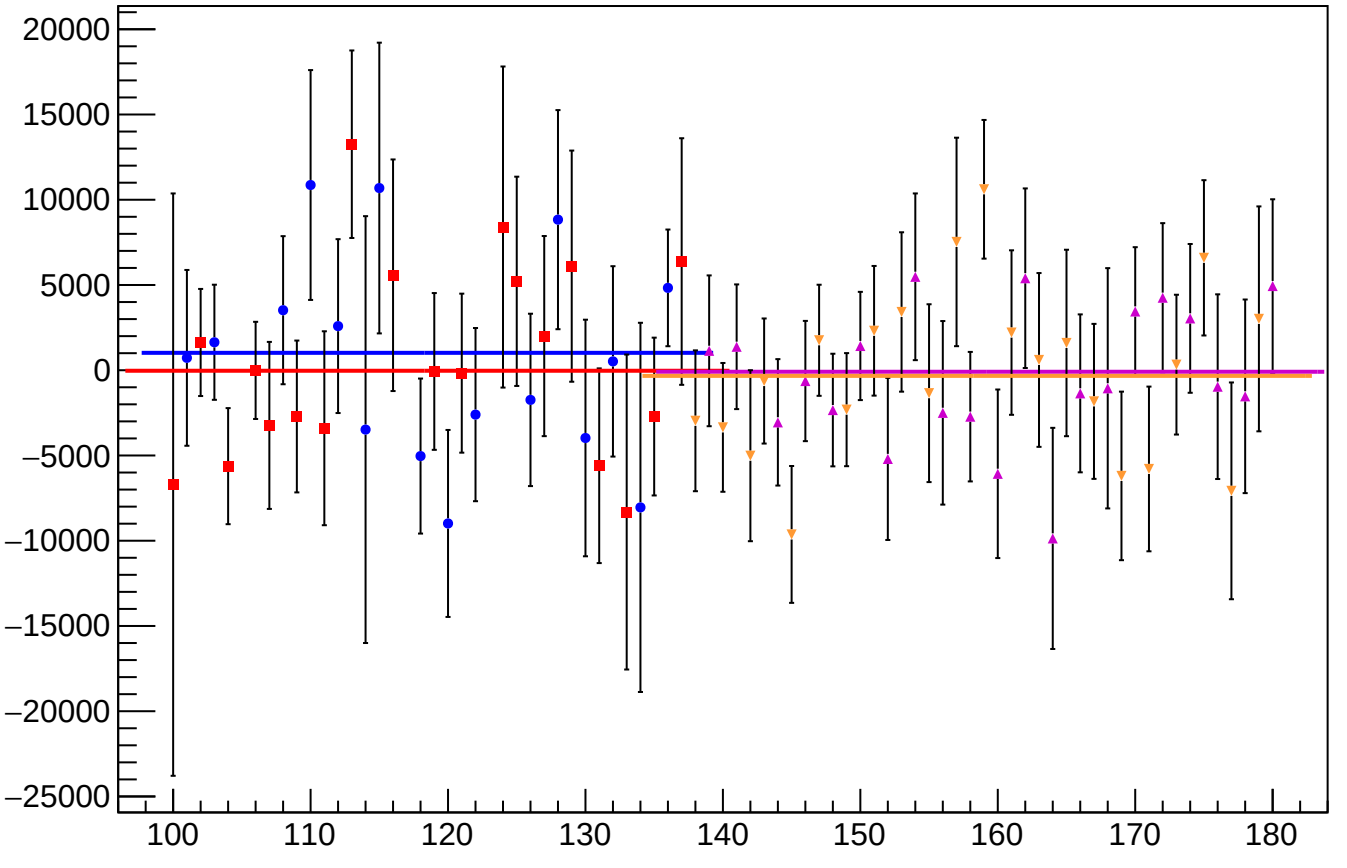
Left: 1142.470+/-0.137 χ^2/NDF: 218739.8/42

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1151.100+/-0.166 χ^2/NDF:718500.6/36

Out: 1144.965+/-0.164 χ^2/NDF:631686.7/40

All: 1148.001+/-0.117 χ^2/NDF: 1350879.8/77



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.153 χ^2/NDF:25.1/21

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -88.992+/-950.756 χ^2/NDF:13.1/20

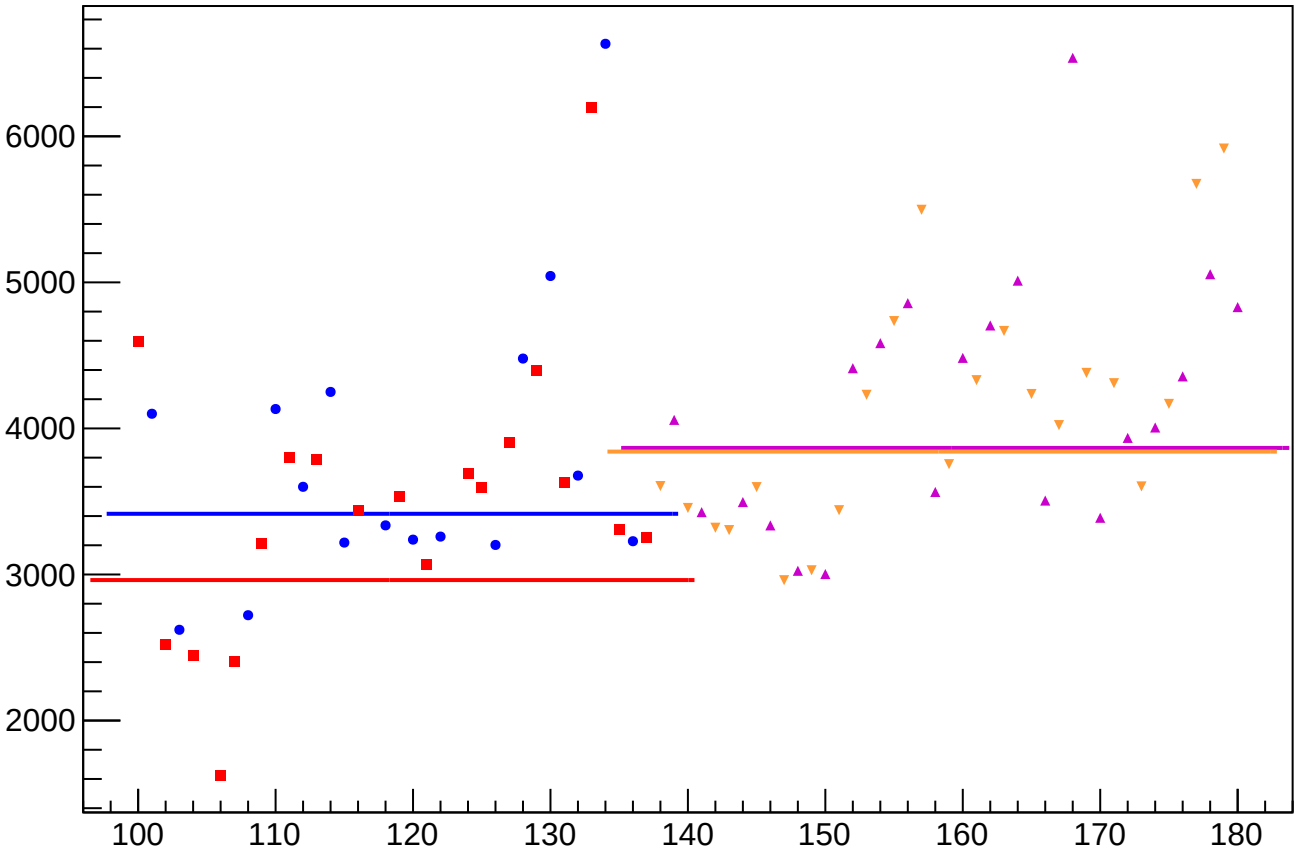
Left: -211.431+/-668.506 χ^2/NDF: 38.2/42

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 296.889+/-767.918 χ^2/NDF:27.4/36

Out: -208.118+/-722.915 χ^2/NDF:41.3/40

All: 29.155+/-526.369 χ^2/NDF: 68.9/77



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3841.286+/-0.665 χ^2/NDF:1118153.8/21

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3866.449+/-0.672 χ^2/NDF:1179680.2/20

Left: 3853.726+/-0.473 χ^2/NDF: 2298542.3/42

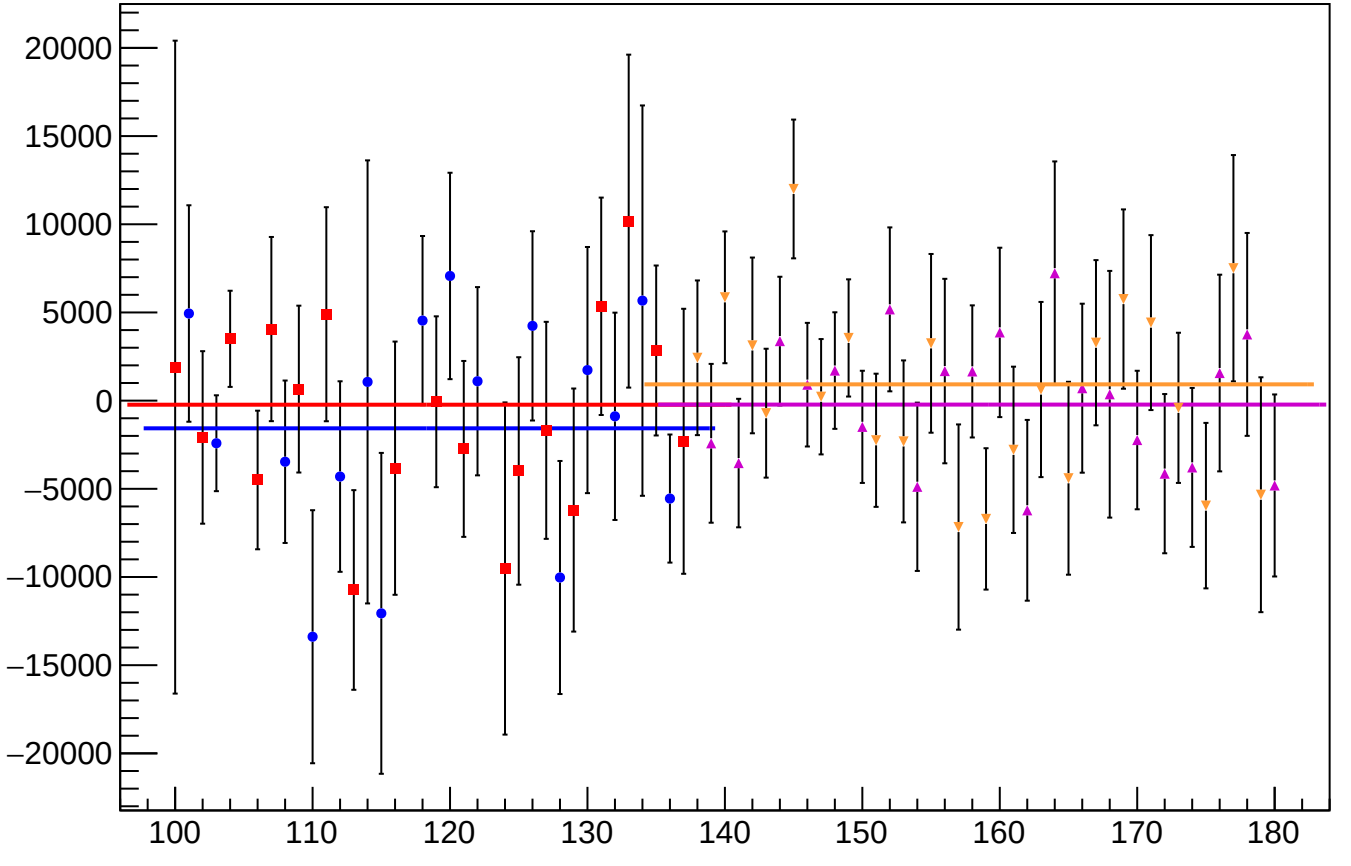
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3709.716+/-0.543 χ^2/NDF:1928367.2/36

Out: 3481.801+/-0.511 χ^2/NDF:3002805.8/40

All: 3588.885+/-0.372 χ^2/NDF: 5024573.8/77

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 923.559+/-941.917 χ^2/NDF:25.2/21

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -224.423+/-952.110 χ^2/NDF:11.9/20

Left: 355.746+/-669.611 χ^2/NDF: 37.8/42

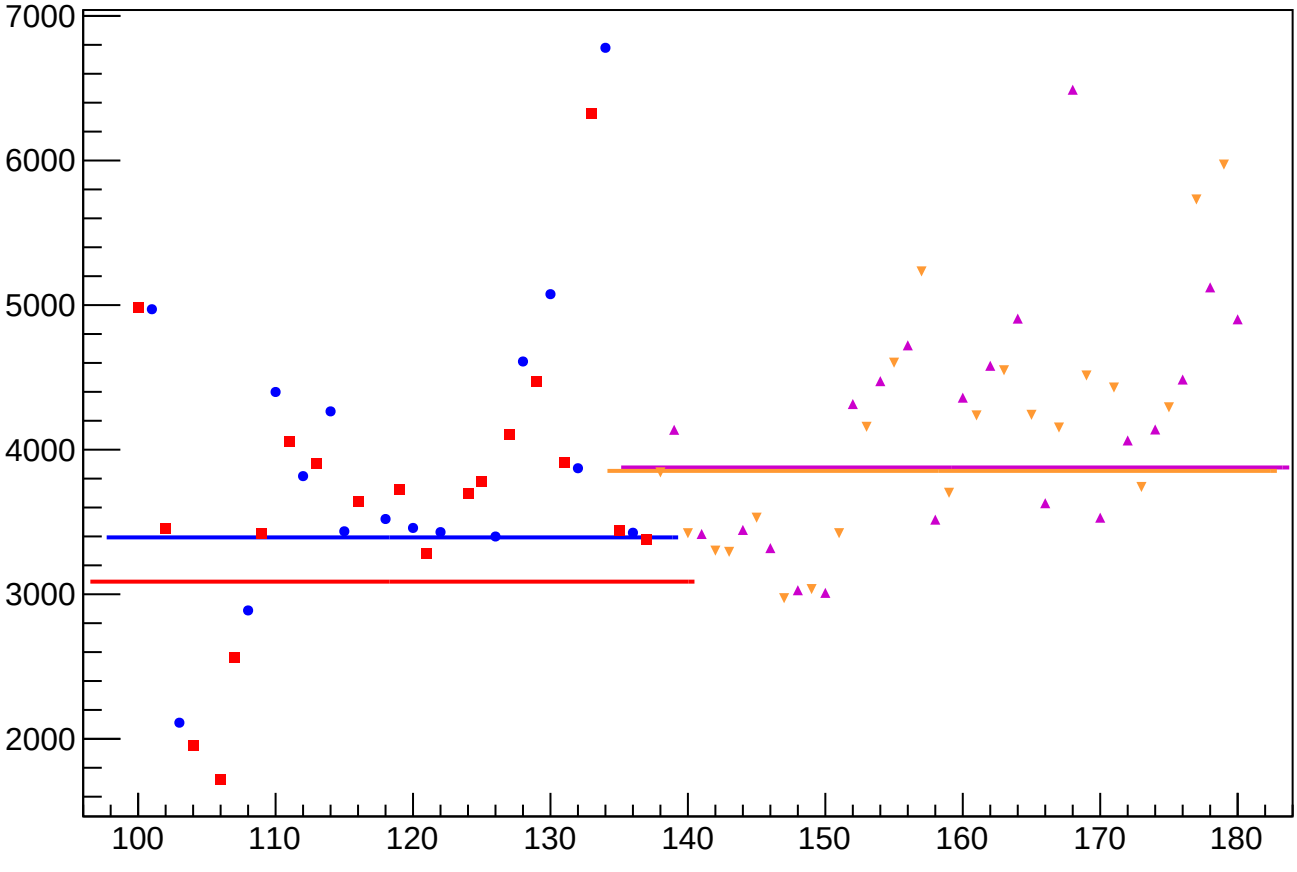
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -688.097+/-770.774 χ^2/NDF:27.0/36

Out: 494.231+/-746.547 χ^2/NDF:39.0/40

All: -78.059+/-536.249 χ^2/NDF: 67.3/77

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3853.385+/-0.666 χ^2/NDF:1095579.5/21

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3876.910+/-0.673 χ^2/NDF:1135239.0/20

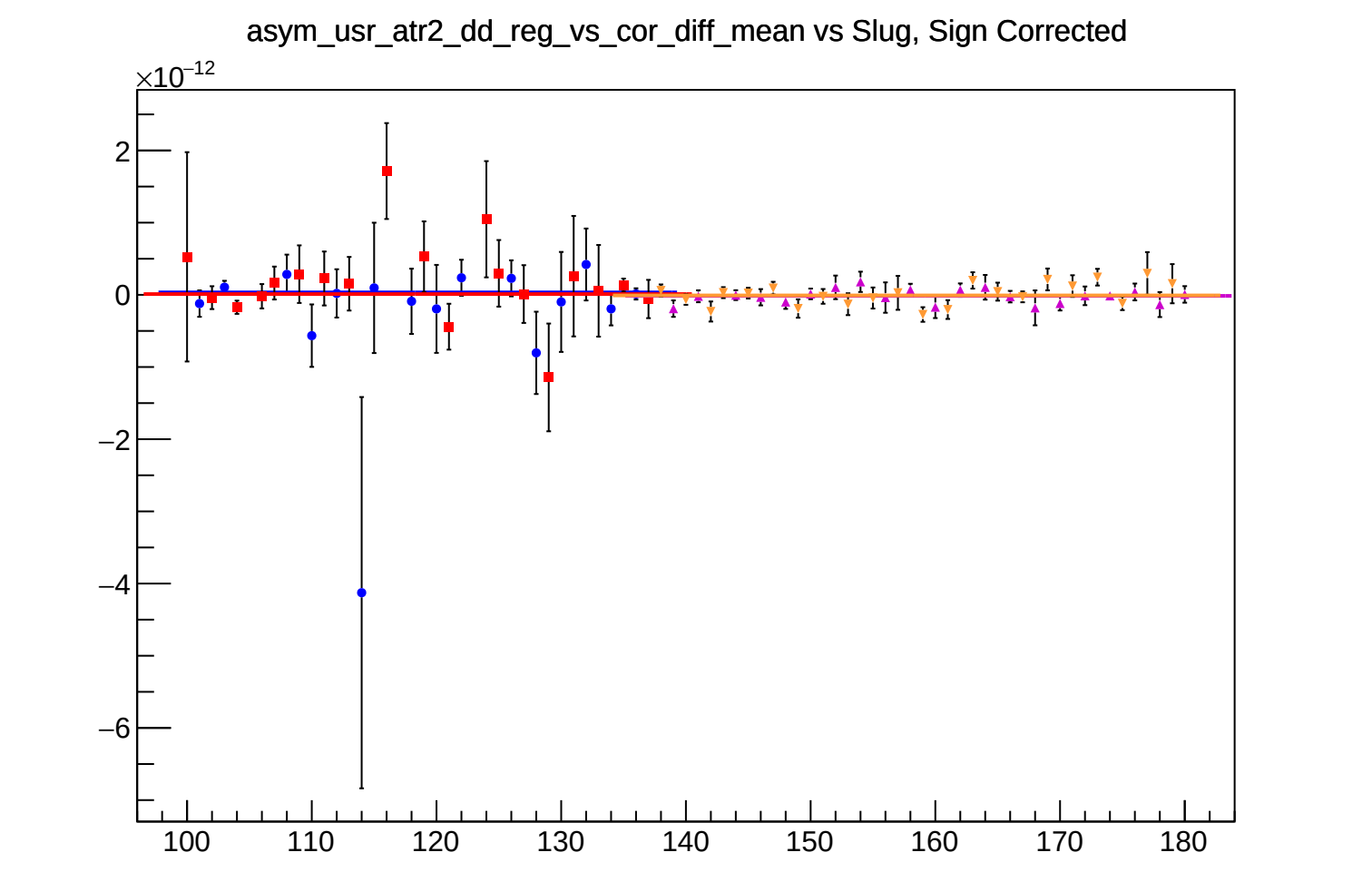
Left: 3865.021+/-0.473 χ^2/NDF: 2231435.6/42

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3710.261+/-0.545 χ^2/NDF:2361731.8/36

Out: 3562.476+/-0.525 χ^2/NDF:2926317.8/40

All: 3633.541+/-0.378 χ^2/NDF: 5326218.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/20

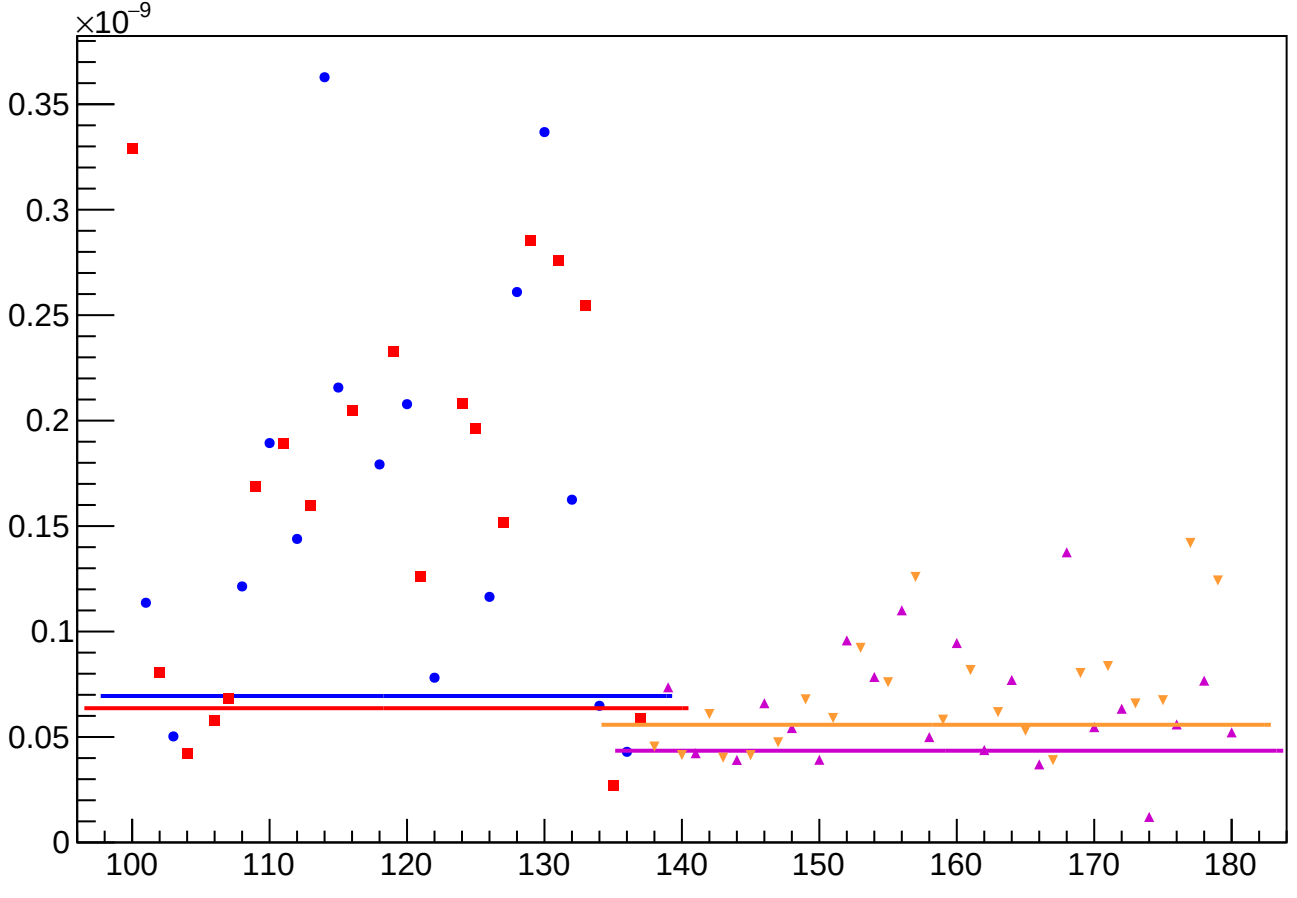
Left: -0.000+/-0.000 χ^2/NDF: 43.0/42

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:24.0/36

Out: -0.000+/-0.000 χ^2/NDF:53.5/40

All: -0.000+/-0.000 χ^2/NDF: 77.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290810.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2762923.1/20

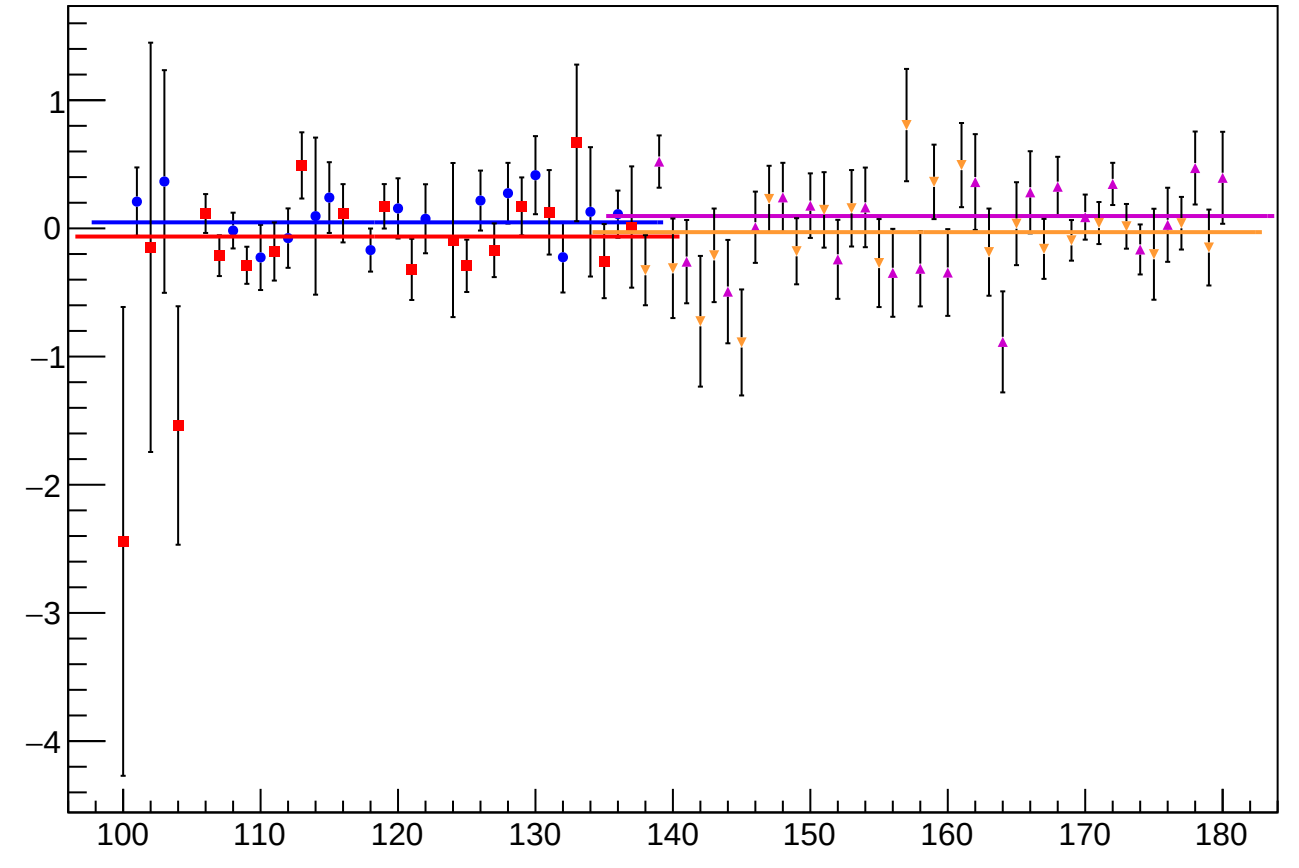
Left: 0.000+/-0.000 χ^2/NDF: 4373277.2/42

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4970054.1/36

Out: 0.000+/-0.000 χ^2/NDF:3582607.4/40

All: 0.000+/-0.000 χ^2/NDF: 8794721.7/77



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.096+/-0.058 χ^2/NDF:29.3/20

Left: 0.032+/-0.040 χ^2/NDF: 52.0/42

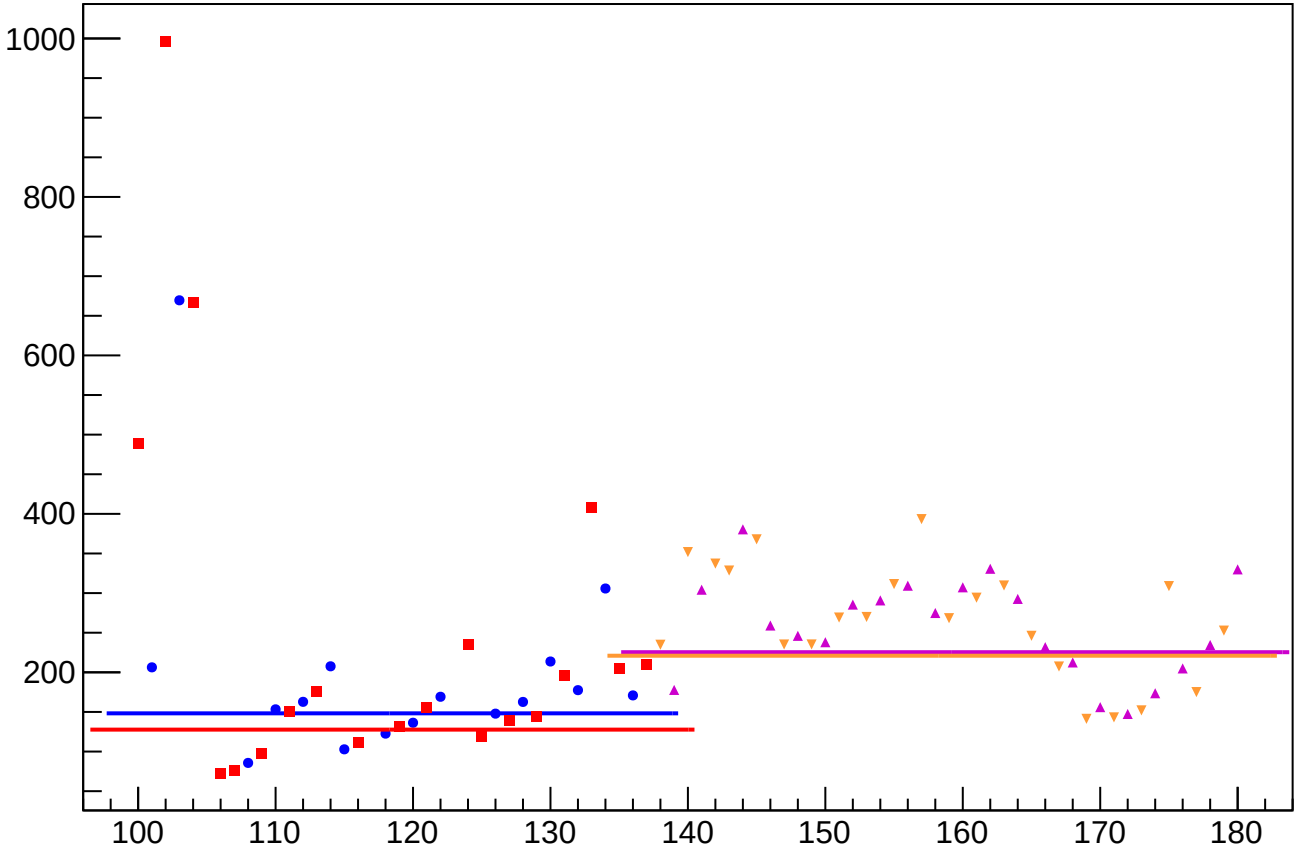
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.042 χ^2/NDF:38.2/36

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.009+/-0.029 χ^2/NDF: 85.2/77

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

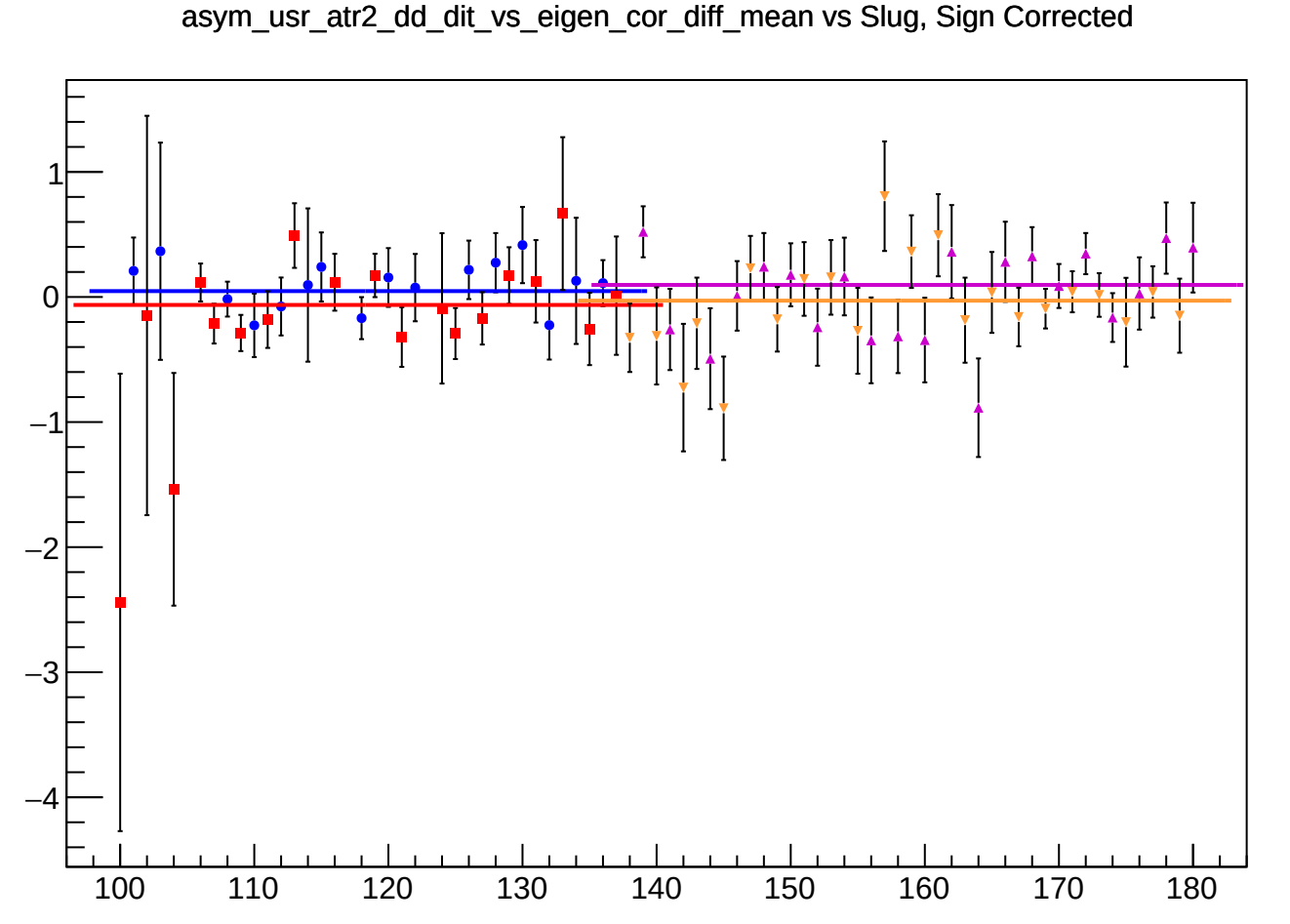
Left: 223.137+/-0.029 χ^2/NDF: 5490576.6/42

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.400+/-0.029 χ^2/NDF:5762991.6/36

Out: 172.851+/-0.028 χ^2/NDF:8812743.4/40

All: 180.182+/-0.020 χ^2/NDF: 14723625.4/77



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.096+/-0.058 χ^2/NDF:29.3/20

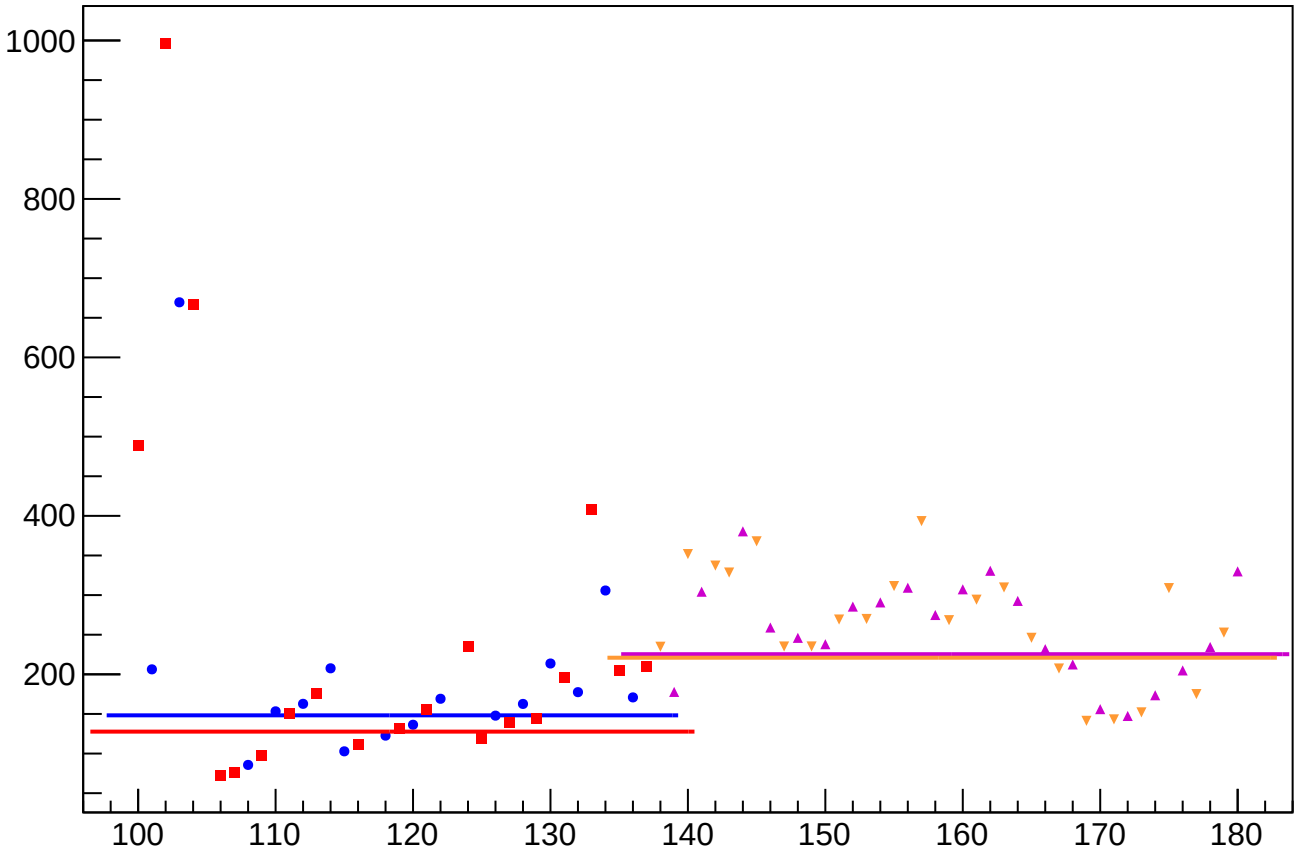
Left: 0.032+/-0.040 χ^2/NDF: 52.0/42

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.042 χ^2/NDF:38.2/36

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.009+/-0.029 χ^2/NDF: 85.2/77



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 225.408+/-0.041 χ^2/NDF:2332921.5/20

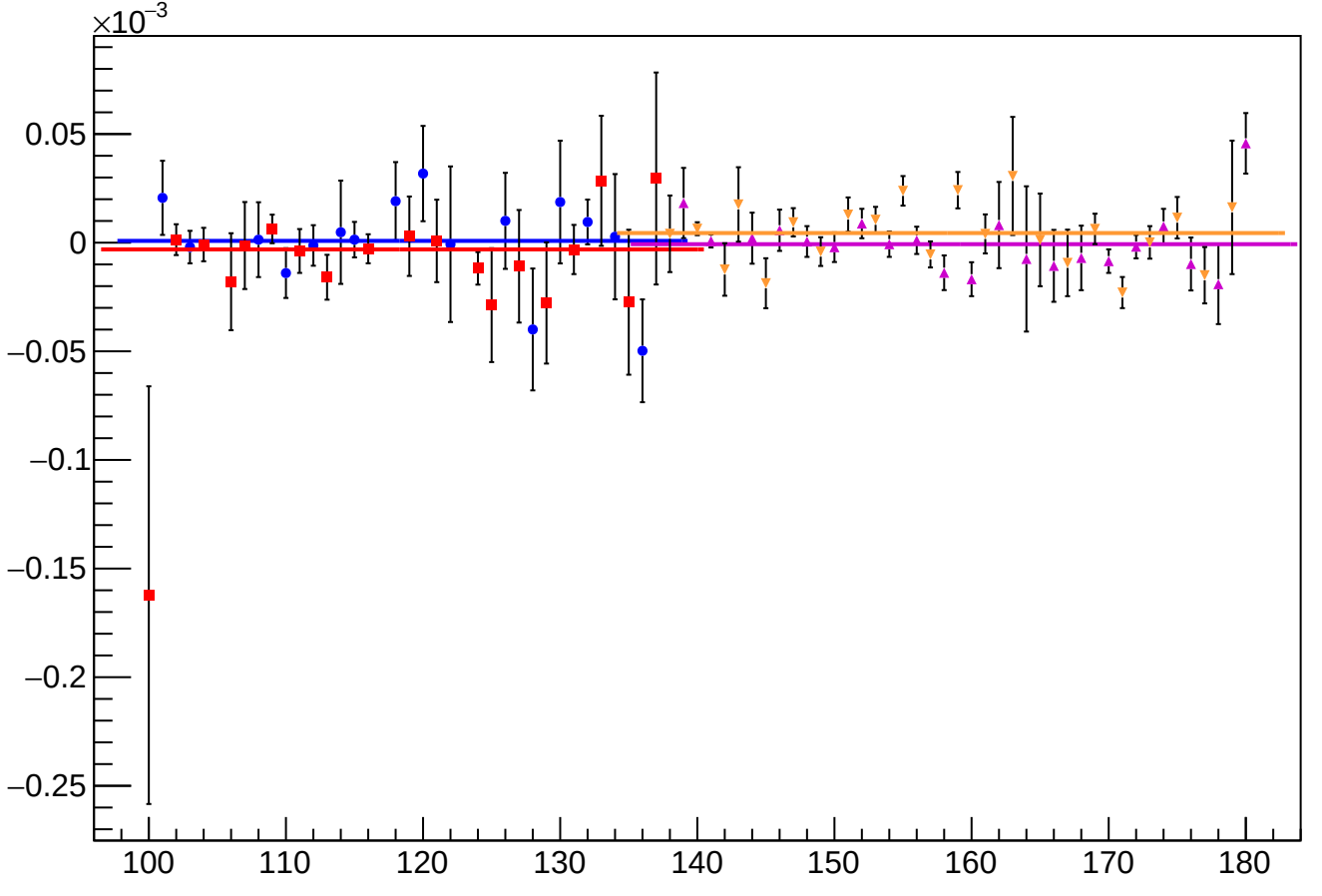
Left: 223.137+/-0.029 χ^2/NDF: 5490576.6/42

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.400+/-0.029 χ^2/NDF:5762991.6/36

Out: 172.851+/-0.028 χ^2/NDF:8812743.4/40

All: 180.182+/-0.020 χ^2/NDF: 14723625.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:27.8/20

Left: 0.000+/-0.000 χ^2/NDF: 80.5/42

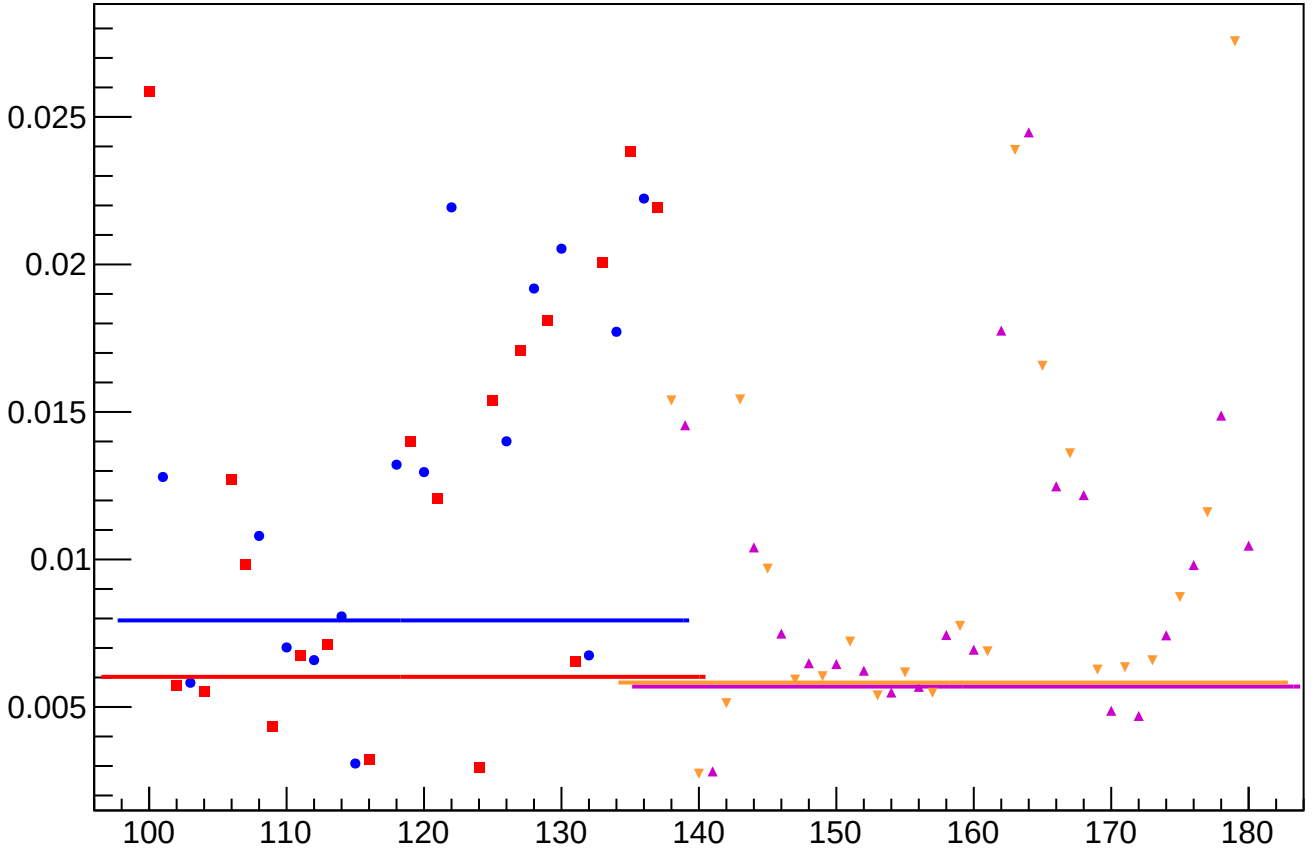
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:42.2/36

Out: 0.000+/-0.000 χ^2/NDF:66.2/40

All: 0.000+/-0.000 χ^2/NDF: 110.4/77

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7330430.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:6302173.5/20

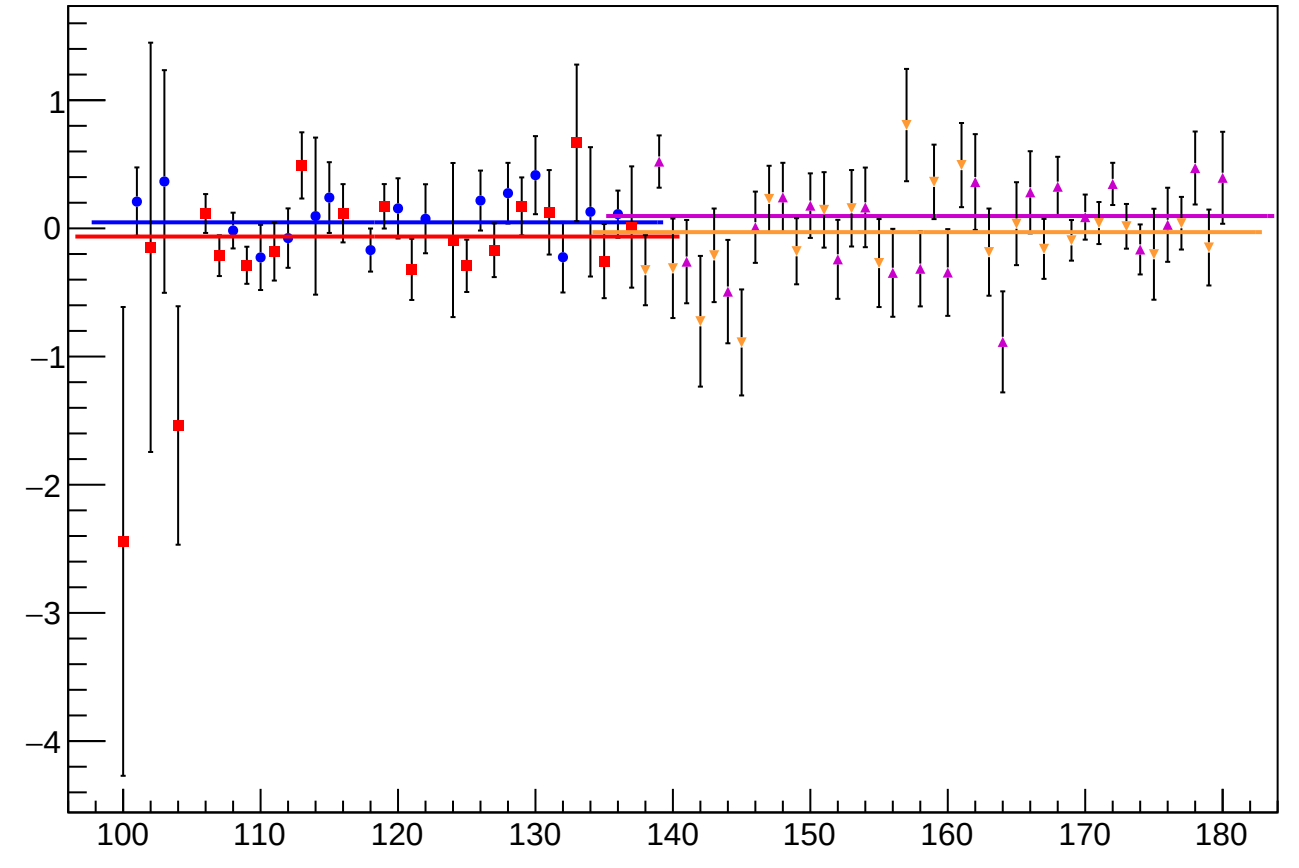
Left: 0.006+/-0.000 χ^2/NDF: 13639810.0/42

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:10571991.6/36

Out: 0.006+/-0.000 χ^2/NDF:11347848.8/40

All: 0.006+/-0.000 χ^2/NDF: 21940586.0/77



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.096+/-0.058 χ^2/NDF:29.3/20

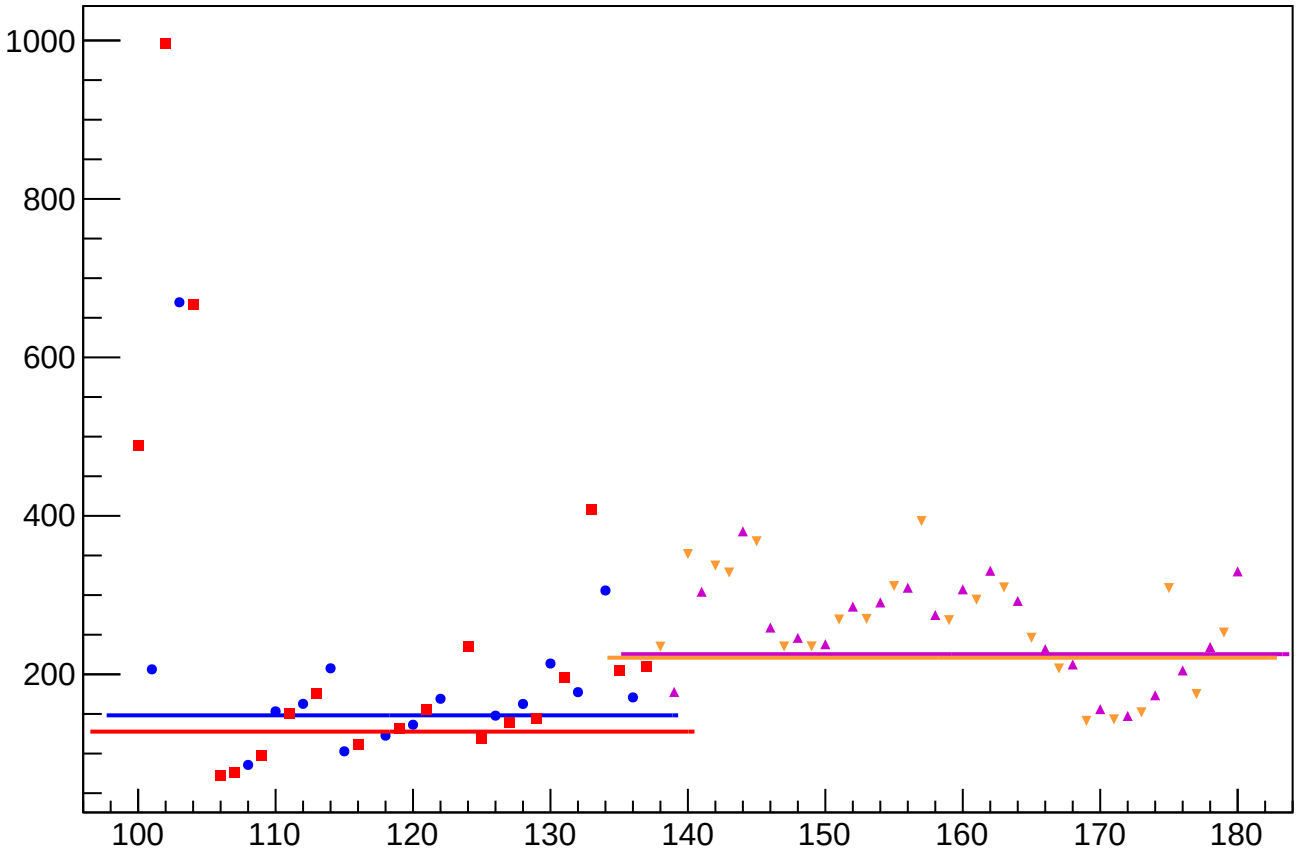
Left: 0.032+/-0.040 χ^2/NDF: 52.0/42

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.042 χ^2/NDF:38.2/36

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.009+/-0.029 χ^2/NDF: 85.2/77



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

Left: 223.138+/-0.029 χ^2/NDF: 5490727.5/42

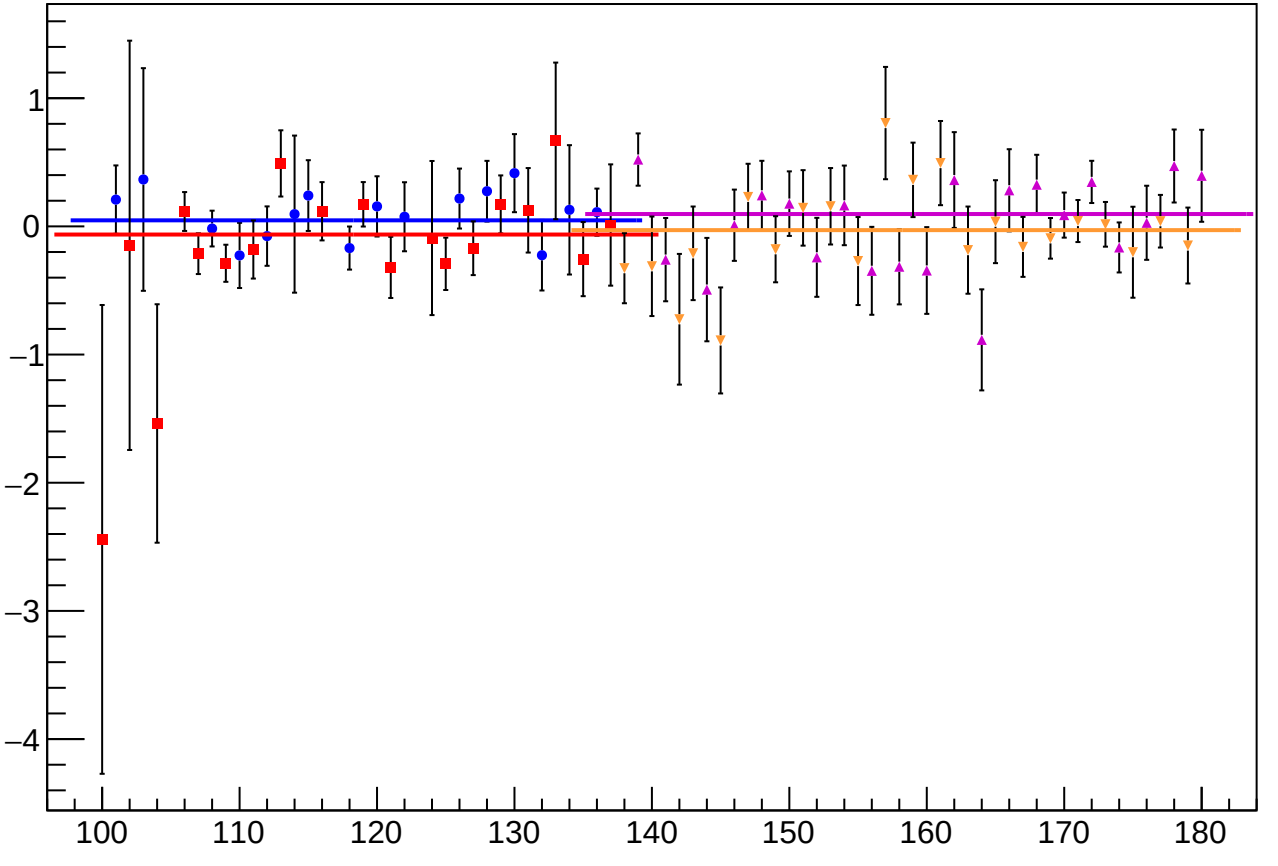
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.399+/-0.029 χ^2/NDF:5763302.4/36

Out: 172.852+/-0.028 χ^2/NDF:8812886.3/40

All: 180.181+/-0.020 χ^2/NDF: 14724052.0/77

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: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.096+/-0.058 χ^2/NDF:29.3/20

Left: 0.032+/-0.040 χ^2/NDF: 52.0/42

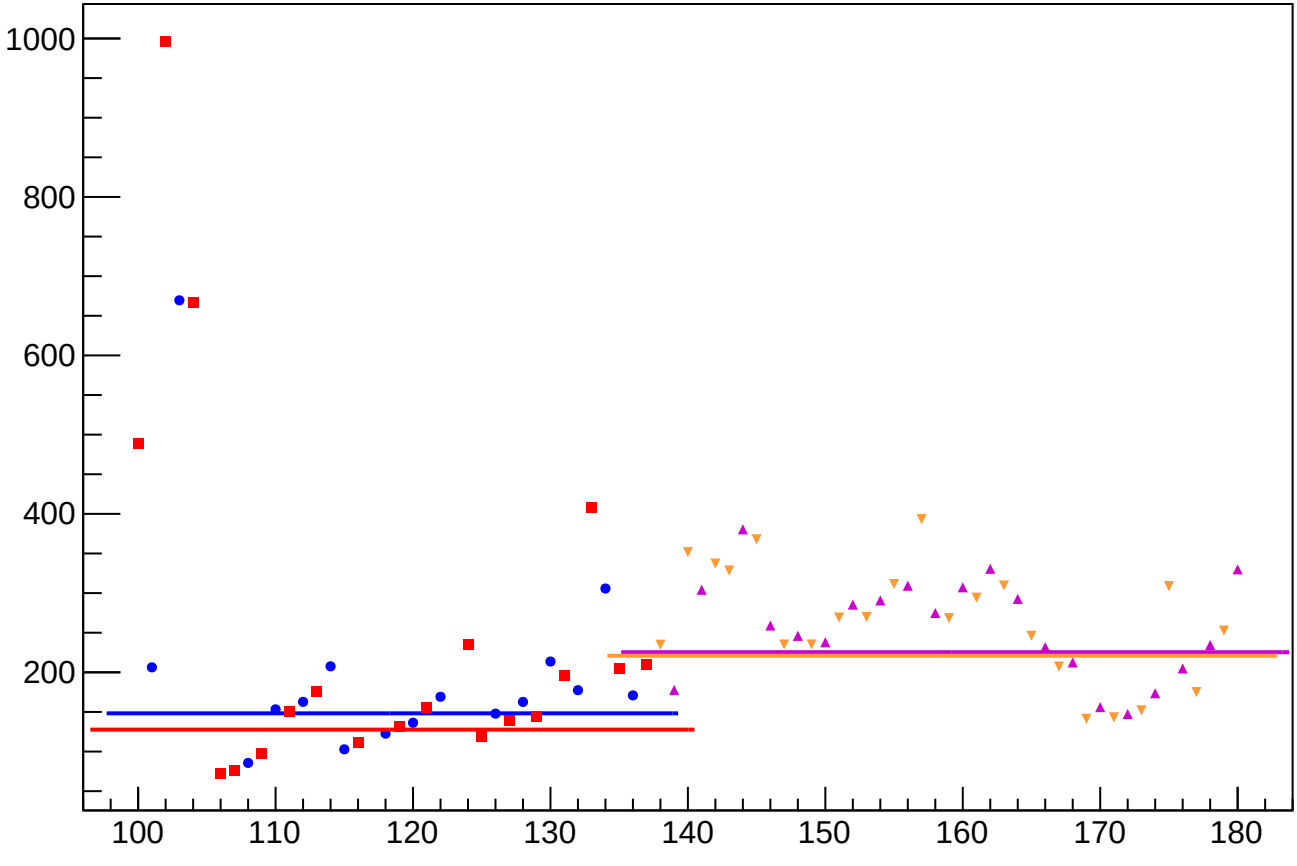
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.042 χ^2/NDF:38.2/36

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.009+/-0.029 χ^2/NDF: 85.2/77

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: 220.960+/-0.040 χ^2/NDF:3151676.9/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 225.410+/-0.041 χ^2/NDF:2332962.9/20

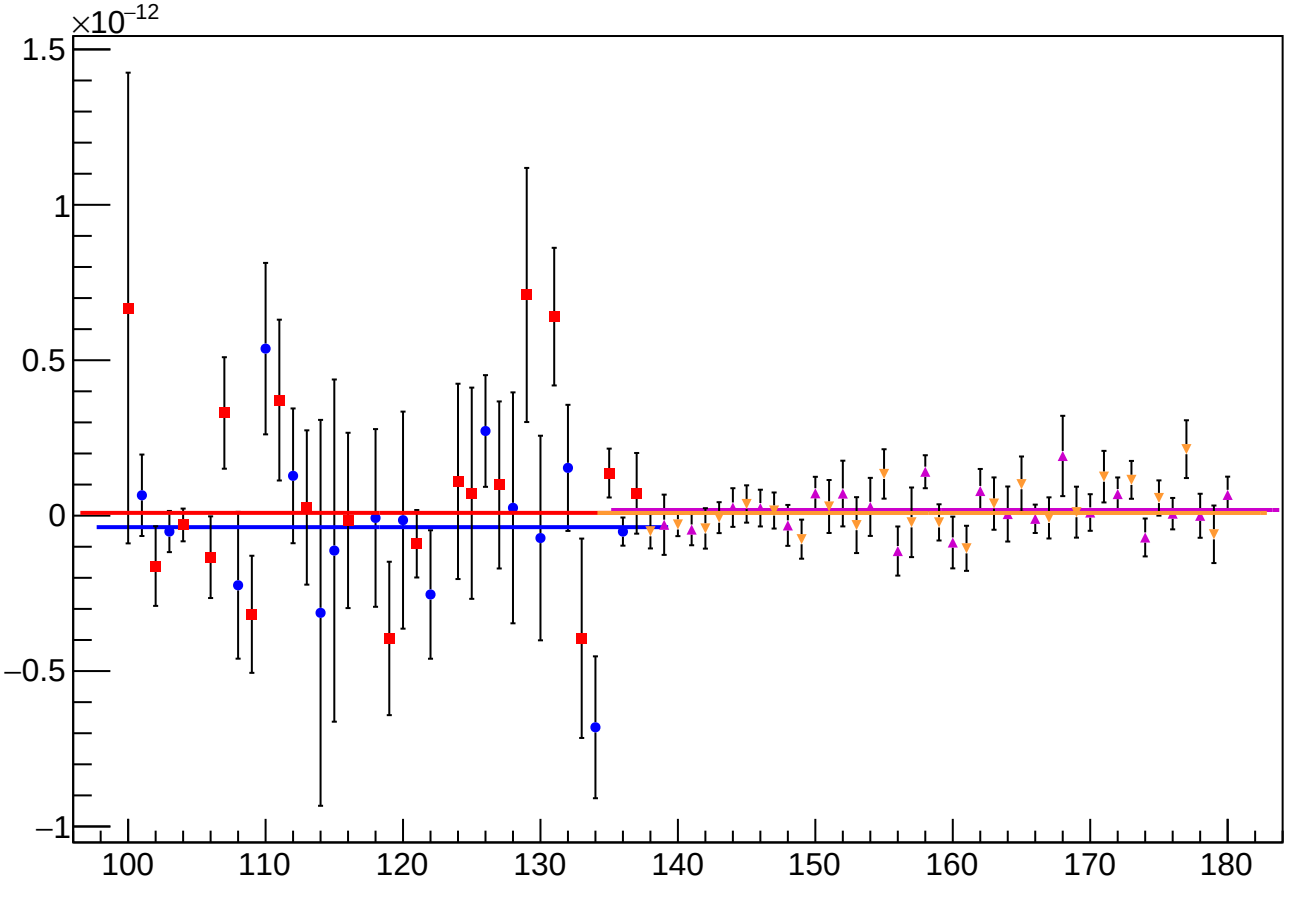
Left: 223.138+/-0.029 χ^2/NDF: 5490727.5/42

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.399+/-0.029 χ^2/NDF:5763302.4/36

Out: 172.852+/-0.028 χ^2/NDF:8812886.3/40

All: 180.181+/-0.020 χ^2/NDF: 14724052.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20.2/20

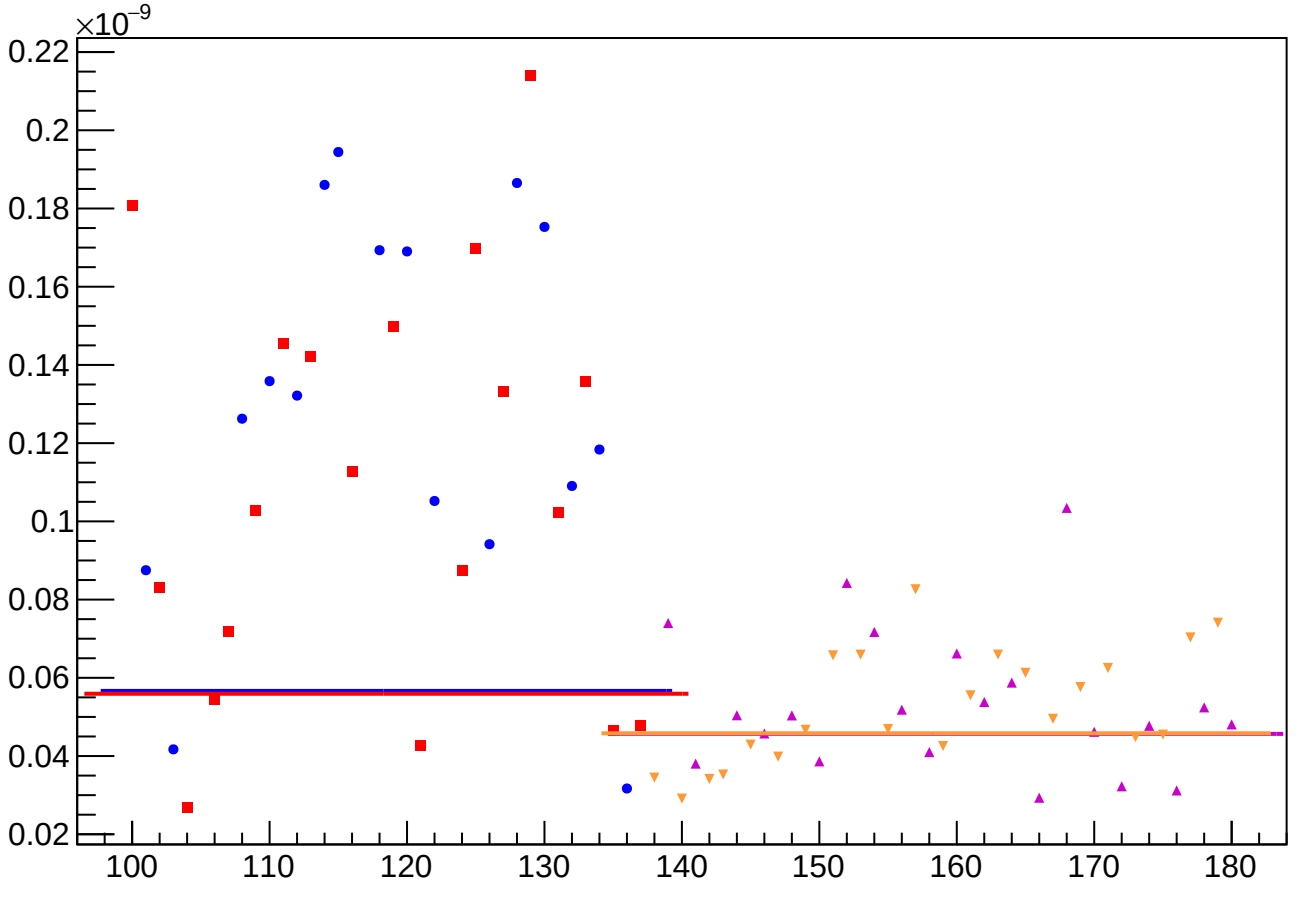
Left: 0.000+/-0.000 χ^2/NDF: 43.3/42

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:42.2/36

Out: 0.000+/-0.000 χ^2/NDF:54.6/40

All: 0.000+/-0.000 χ^2/NDF: 96.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1756066.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1885929.9/20

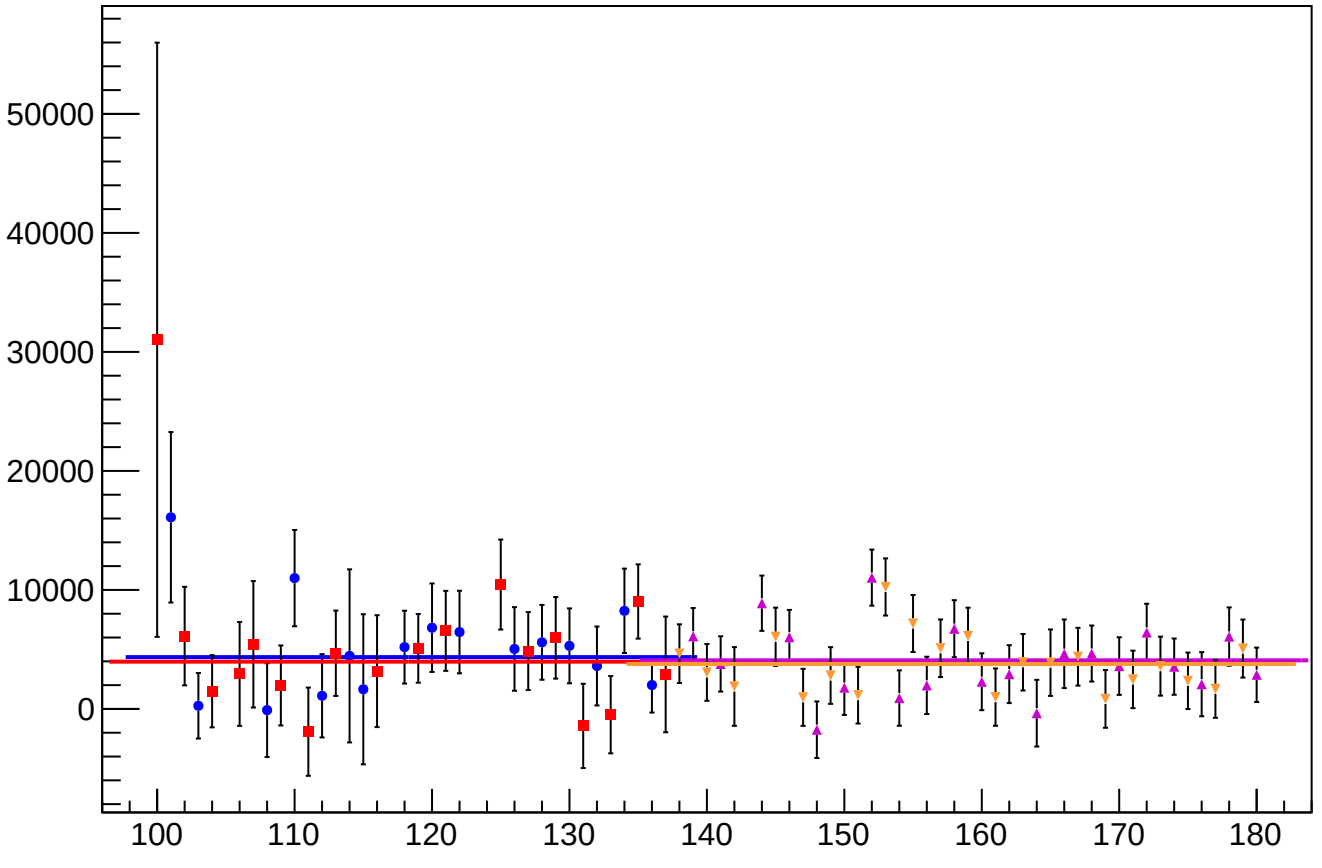
Left: 0.000+/-0.000 χ^2/NDF: 3642103.1/42

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:5195812.7/36

Out: 0.000+/-0.000 χ^2/NDF:4656767.0/40

All: 0.000+/-0.000 χ^2/NDF: 9852587.5/77



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.927+/-535.445 χ^2/NDF:19.3/20

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4083.188+/-526.707 χ^2/NDF:31.2/20

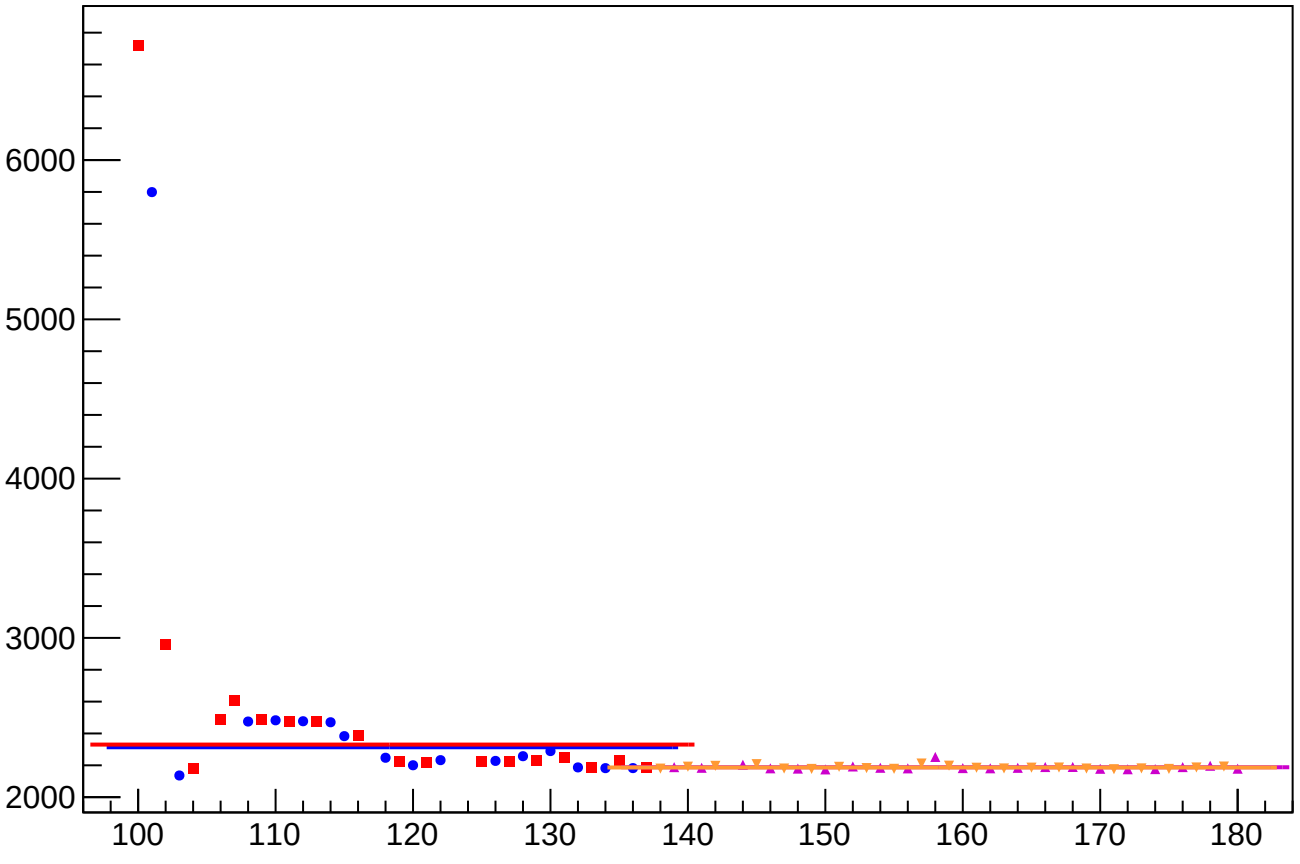
Left: 3931.593+/-375.489 χ^2/NDF: 50.7/41

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4155.291+/-451.280 χ^2/NDF:44.7/36

Out: 3828.862+/-456.190 χ^2/NDF:35.5/38

All: 3993.842+/-320.825 χ^2/NDF: 80.4/75



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

Left: 2187.131+/-0.266 χ^2/NDF: 2573.3/41

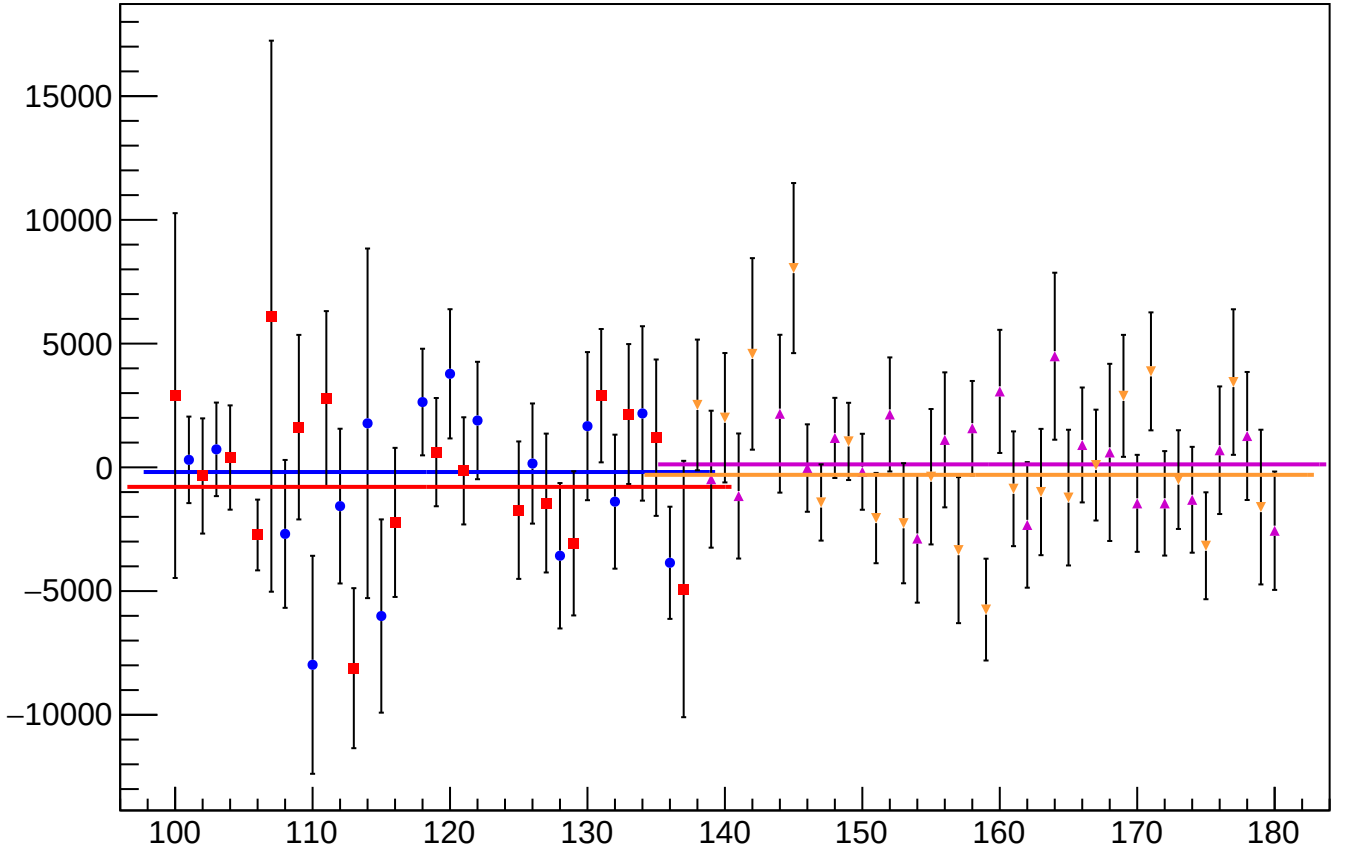
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2221.234+/-0.319 χ^2/NDF:544516.6/36

Out: 2225.815+/-0.323 χ^2/NDF:191403.8/38

All: 2223.500+/-0.227 χ^2/NDF: 736022.4/75

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: -302.483+/-504.816 χ^2/NDF:28.9/20

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 120.220+/-493.598 χ^2/NDF:11.3/20

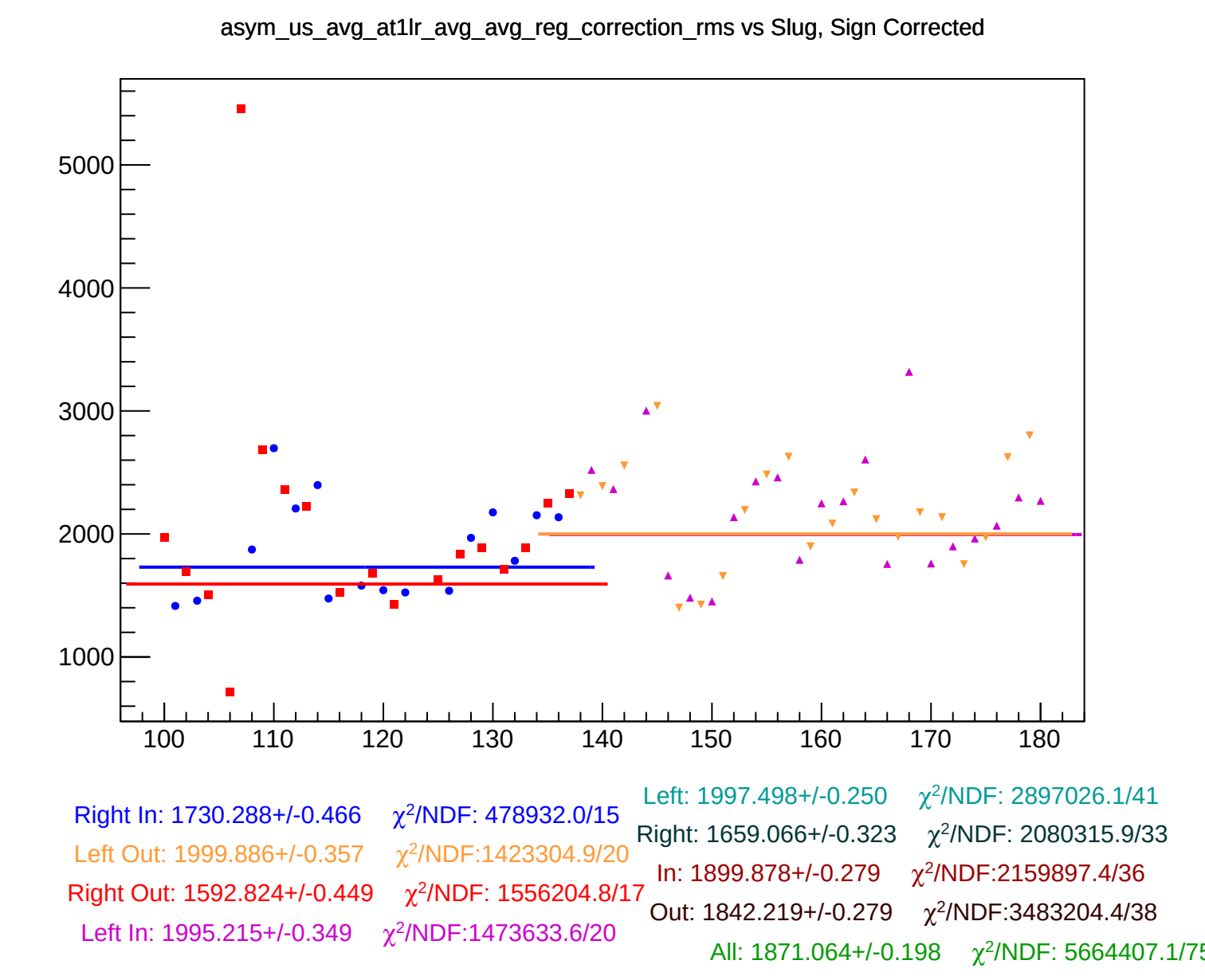
Left: -86.383+/-352.926 χ^2/NDF: 40.6/41

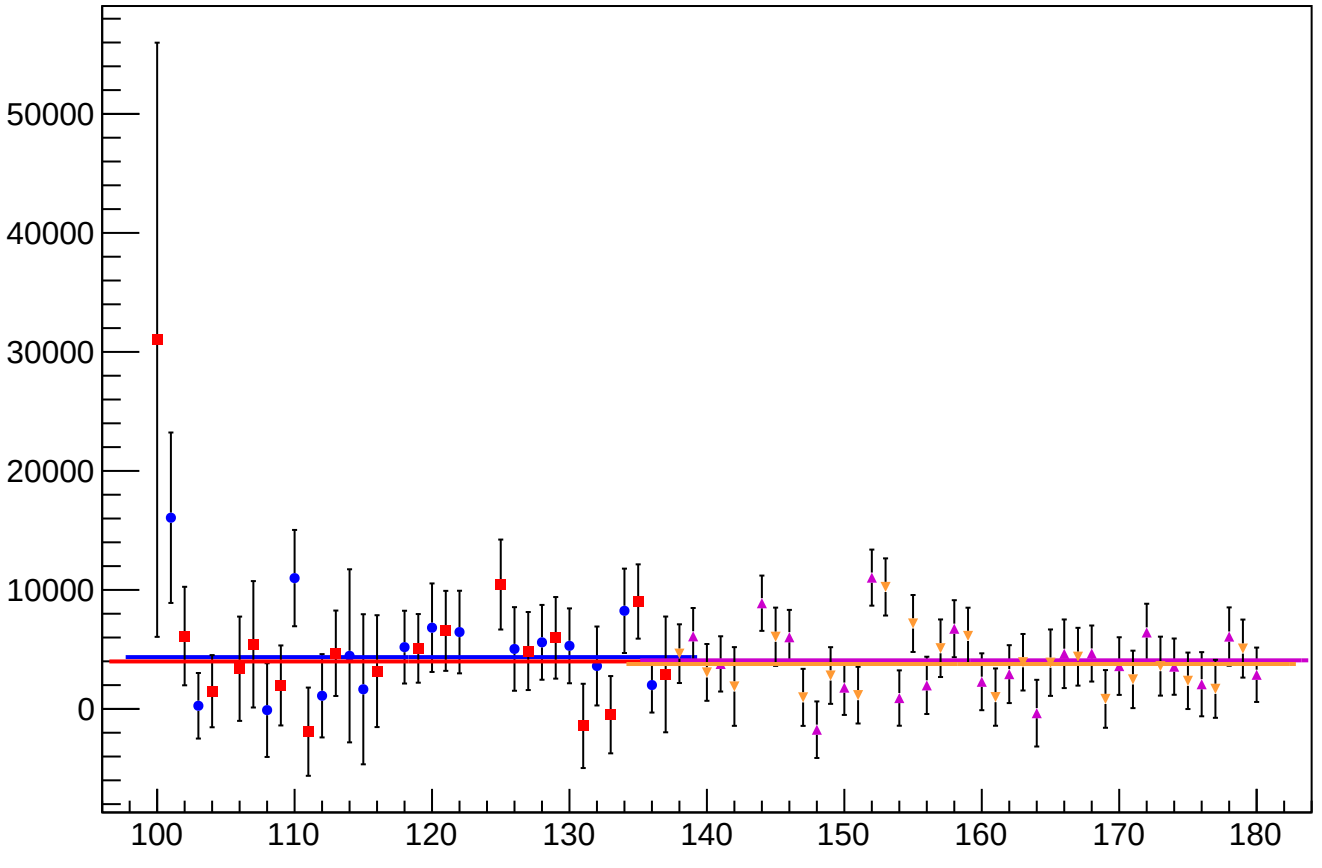
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 9.067+/-394.922 χ^2/NDF:27.9/36

Out: -491.049+/-395.136 χ^2/NDF:44.2/38

All: -240.856+/-279.328 χ^2/NDF: 72.9/75


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
180
Right In: 1730.288+/-0.466 χ²/NDF: 478932.0/15
Left Out: 1999.886+/-0.357 χ²/NDF:1423304.9/20
Right Out: 1592.824+/-0.449 χ²/NDF: 1556204.8/17
Left In: 1995.215+/-0.349 χ²/NDF:1473633.6/20
Left: 1997.498+/-0.250 χ²/NDF: 2897026.1/41
Right: 1659.066+/-0.323 χ²/NDF: 2080315.9/33
In: 1899.878+/-0.279 χ²/NDF:2159897.4/36
Out: 1842.219+/-0.279 χ²/NDF:3483204.4/38
All: 1871.064+/-0.198 χ²/NDF: 5664407.1/75



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4083.300+/-526.707 χ^2/NDF:31.2/20

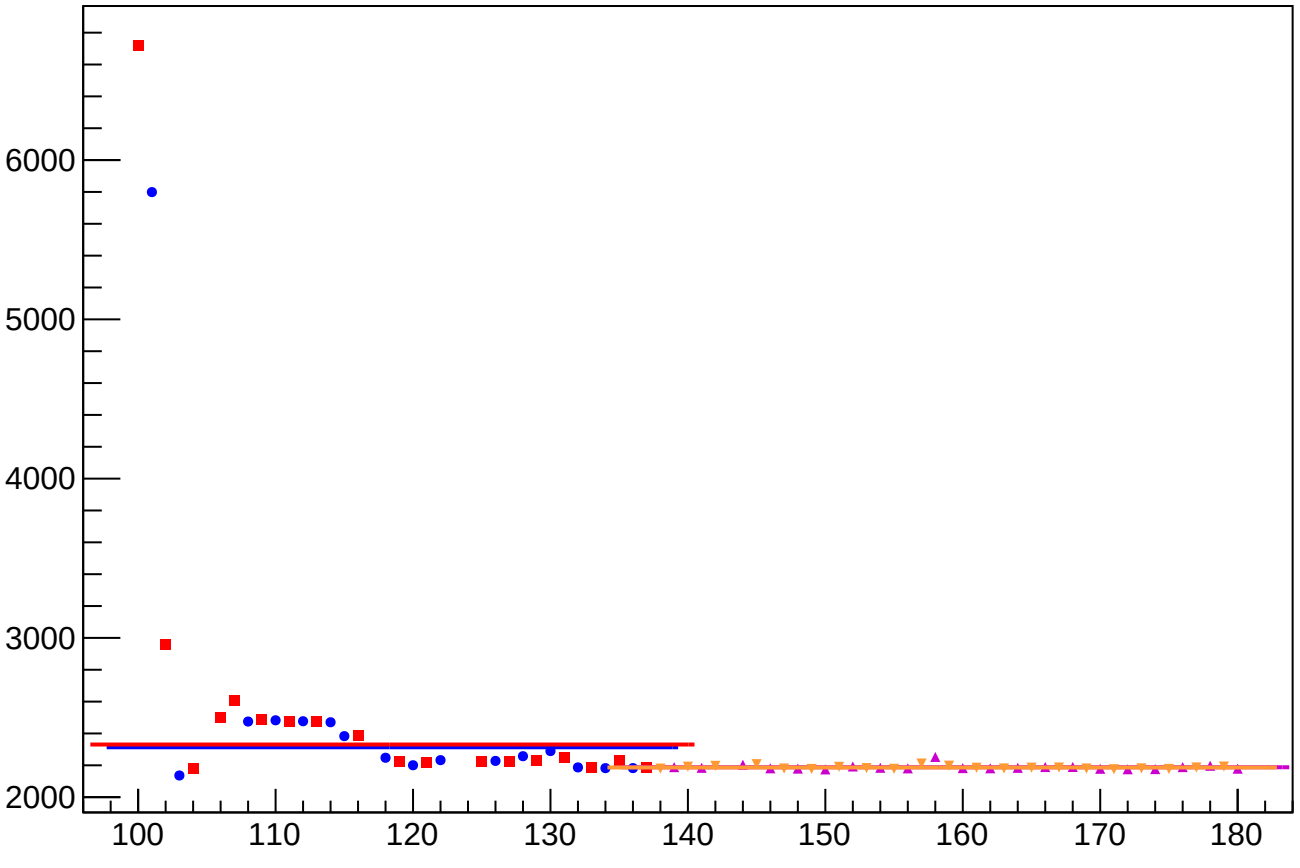
Left: 3931.627+/-375.489 χ^2/NDF: 50.7/41

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4155.192+/-451.280 χ^2/NDF:44.6/36

Out: 3833.803+/-456.211 χ^2/NDF:35.4/38

All: 3996.244+/-320.832 χ^2/NDF: 80.3/75



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

Left: 2187.131+/-0.266 χ^2/NDF: 2573.3/41

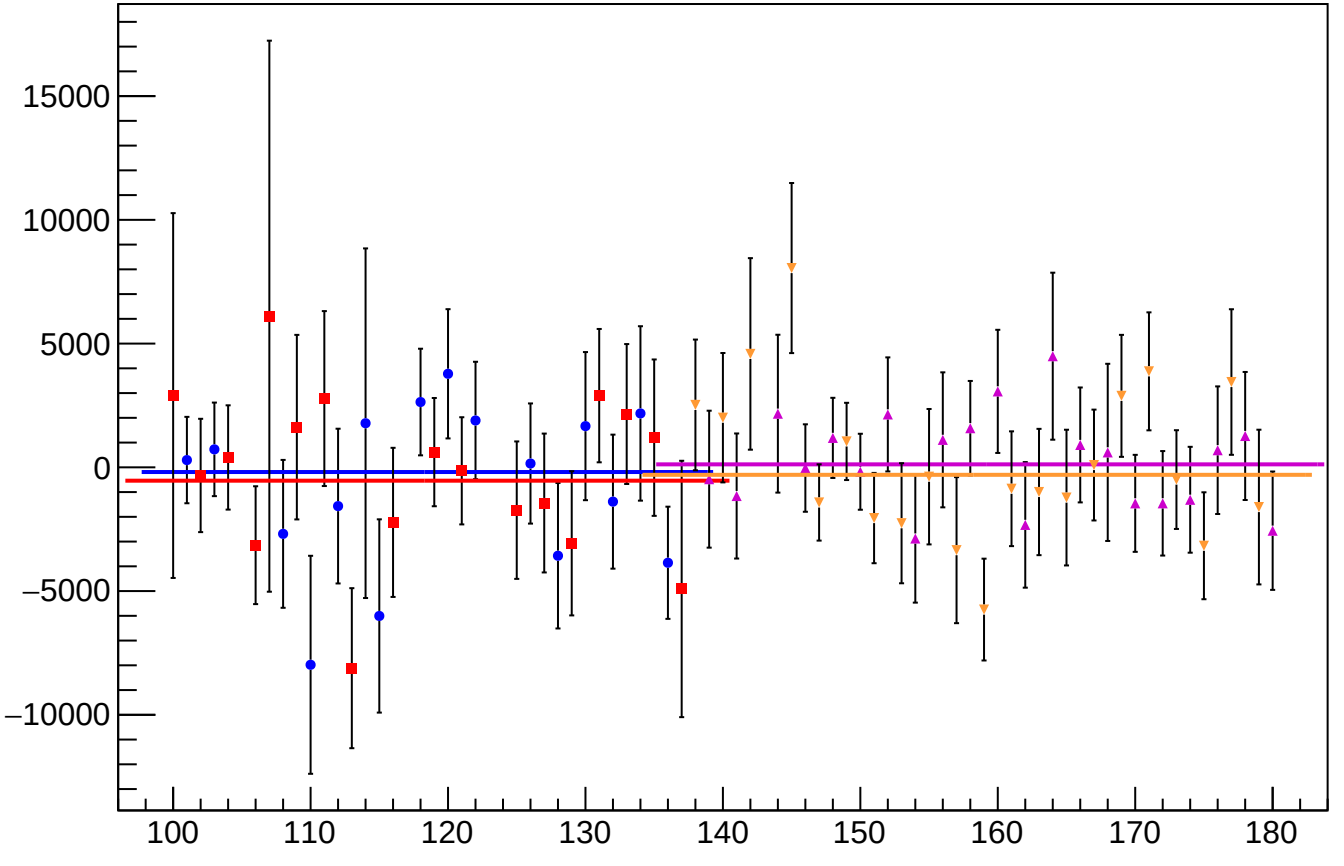
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2221.234+/-0.319 χ^2/NDF:544517.0/36

Out: 2225.907+/-0.323 χ^2/NDF:191943.3/38

All: 2223.545+/-0.227 χ^2/NDF: 736566.4/75

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -302.572+/-504.815 χ^2/NDF:28.9/20

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 120.317+/-493.600 χ^2/NDF:11.3/20

Left: -86.378+/-352.926 χ^2/NDF: 40.6/41

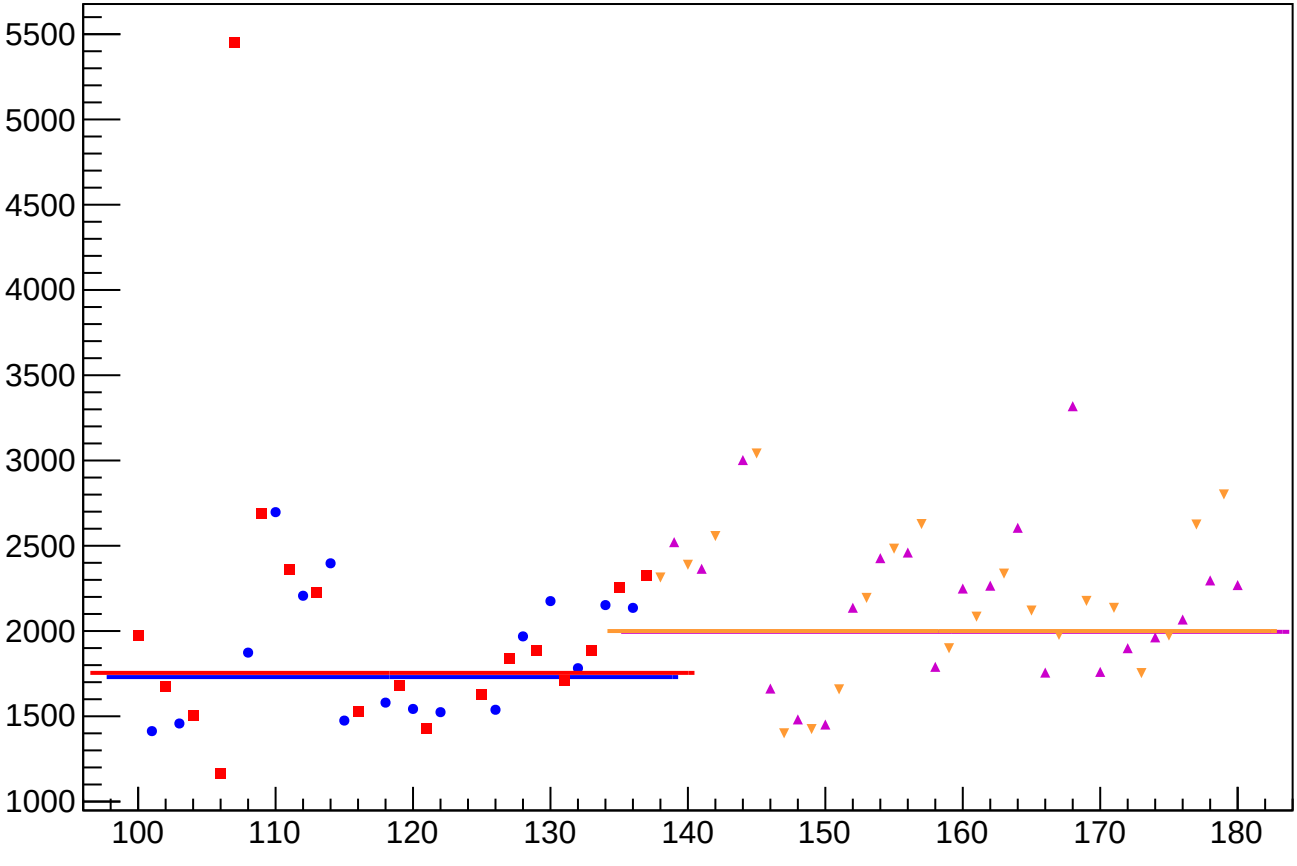
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 8.704+/-394.895 χ^2/NDF:27.9/36

Out: -387.045+/-404.952 χ^2/NDF:42.9/38

All: -184.196+/-282.722 χ^2/NDF: 71.3/75

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: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

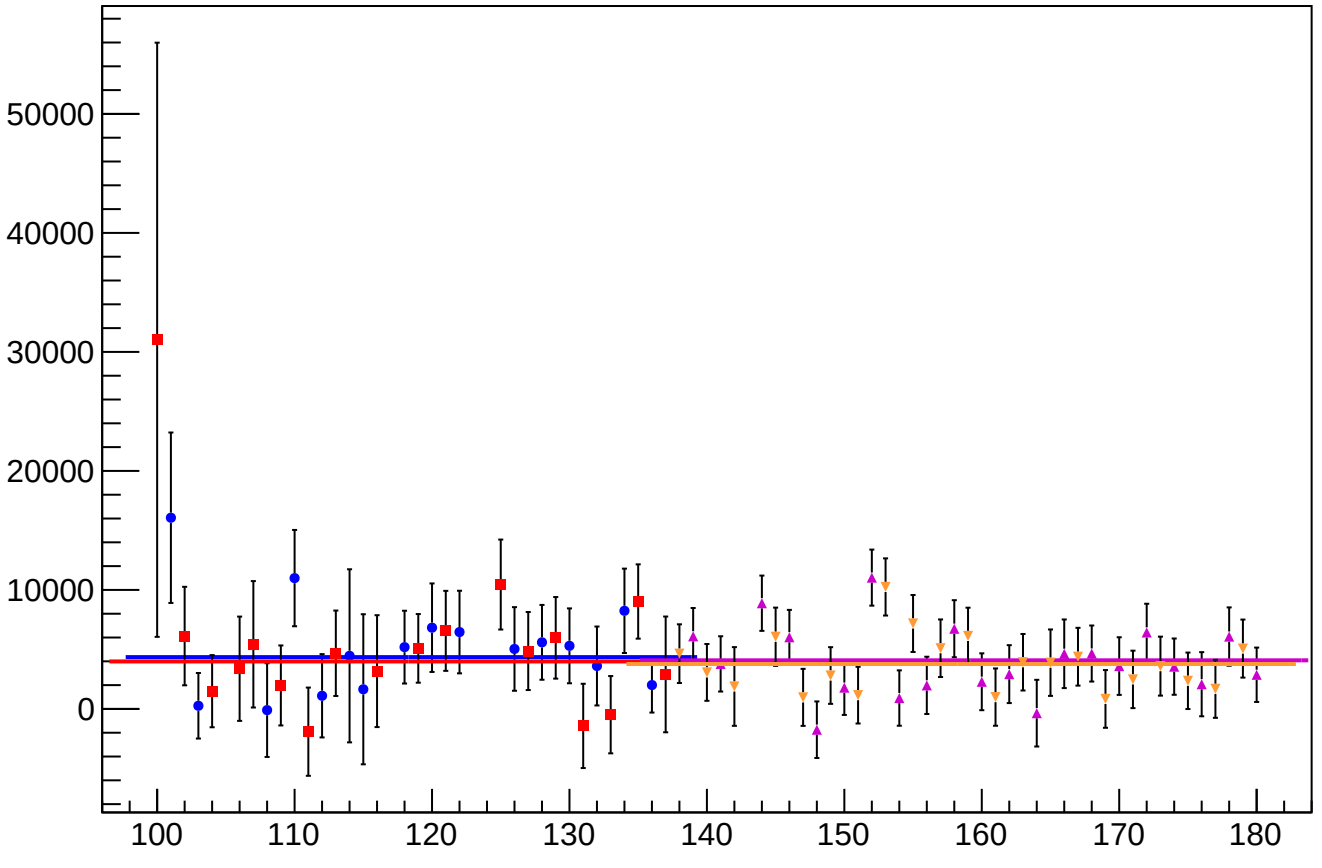
Left: 1997.499+/-0.250 χ^2/NDF: 2897100.3/41

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1899.718+/-0.279 χ^2/NDF:2161555.0/36

Out: 1912.410+/-0.286 χ^2/NDF:2342802.6/38

All: 1905.904+/-0.200 χ^2/NDF: 4505364.7/75



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4083.300+/-526.707 χ^2/NDF:31.2/20

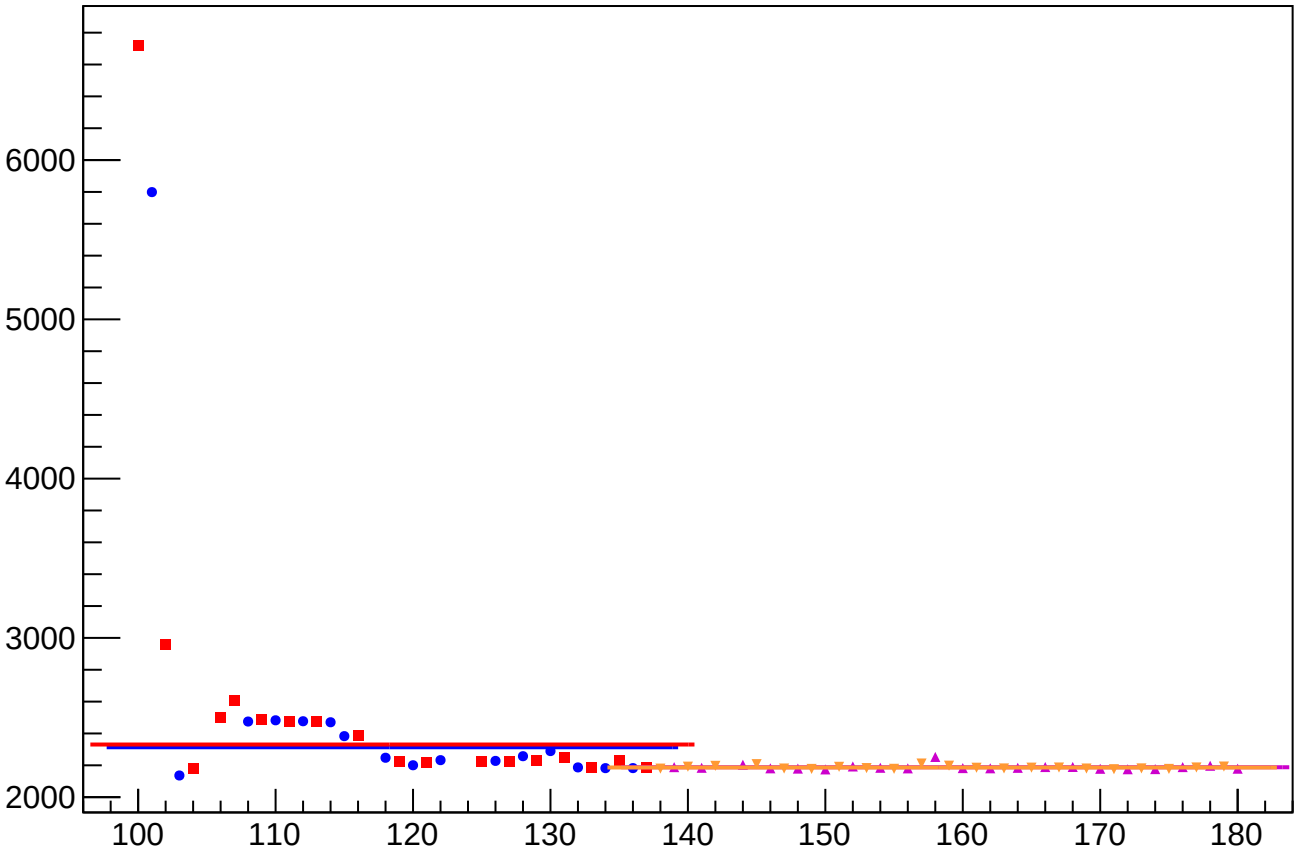
Left: 3931.627+/-375.489 χ^2/NDF: 50.7/41

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4155.192+/-451.280 χ^2/NDF:44.6/36

Out: 3833.803+/-456.211 χ^2/NDF:35.4/38

All: 3996.244+/-320.832 χ^2/NDF: 80.3/75



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.845+/-0.372 χ^2/NDF:1919.1/20

Left: 2187.131+/-0.266 χ^2/NDF: 2573.3/41

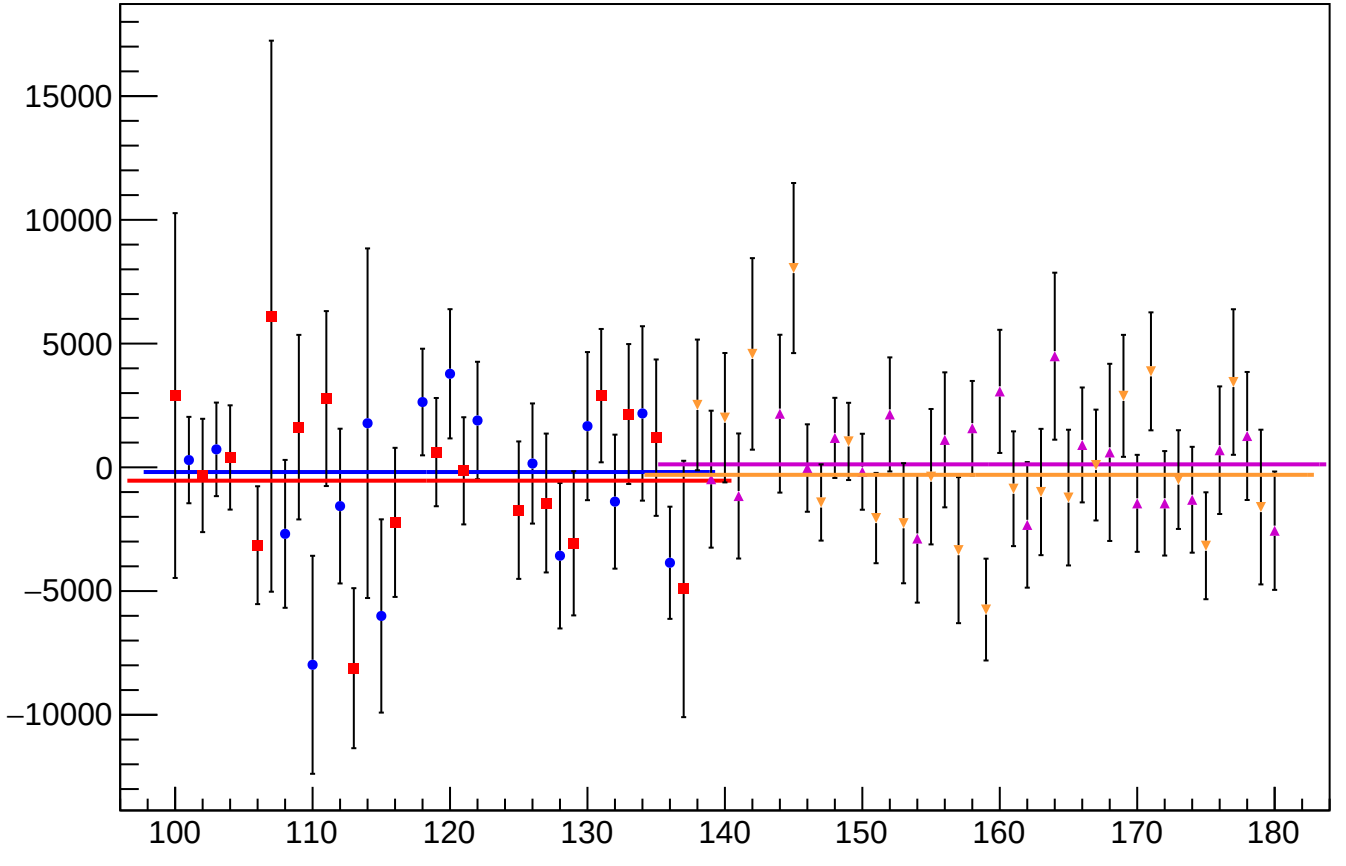
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2221.234+/-0.319 χ^2/NDF:544517.0/36

Out: 2225.907+/-0.323 χ^2/NDF:191943.3/38

All: 2223.545+/-0.227 χ^2/NDF: 736566.4/75

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: -302.572+/-504.815 χ^2/NDF:28.9/20

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 120.317+/-493.600 χ^2/NDF:11.3/20

Left: -86.378+/-352.926 χ^2/NDF: 40.6/41

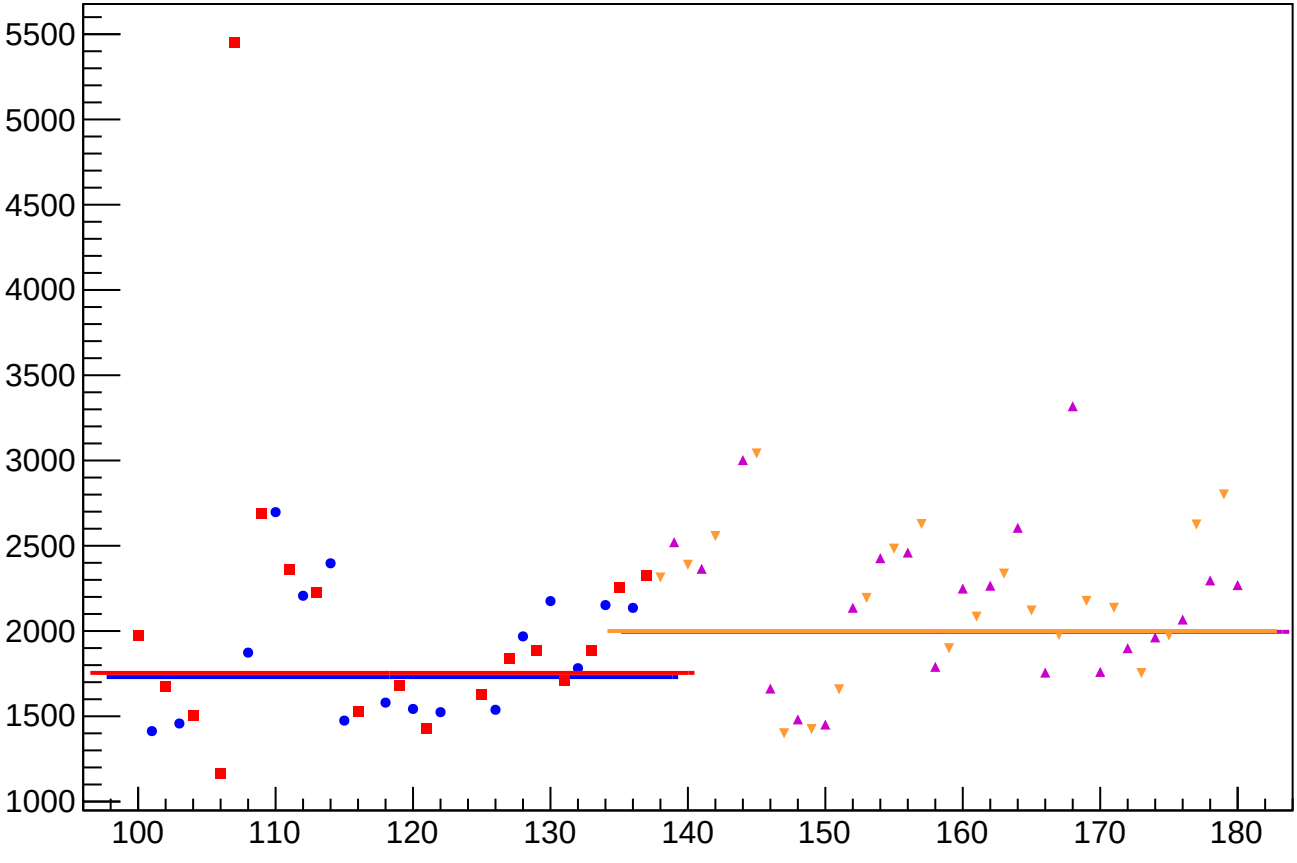
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 8.704+/-394.895 χ^2/NDF:27.9/36

Out: -387.045+/-404.952 χ^2/NDF:42.9/38

All: -184.196+/-282.722 χ^2/NDF: 71.3/75

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: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1995.220+/-0.349 χ^2/NDF:1473654.5/20

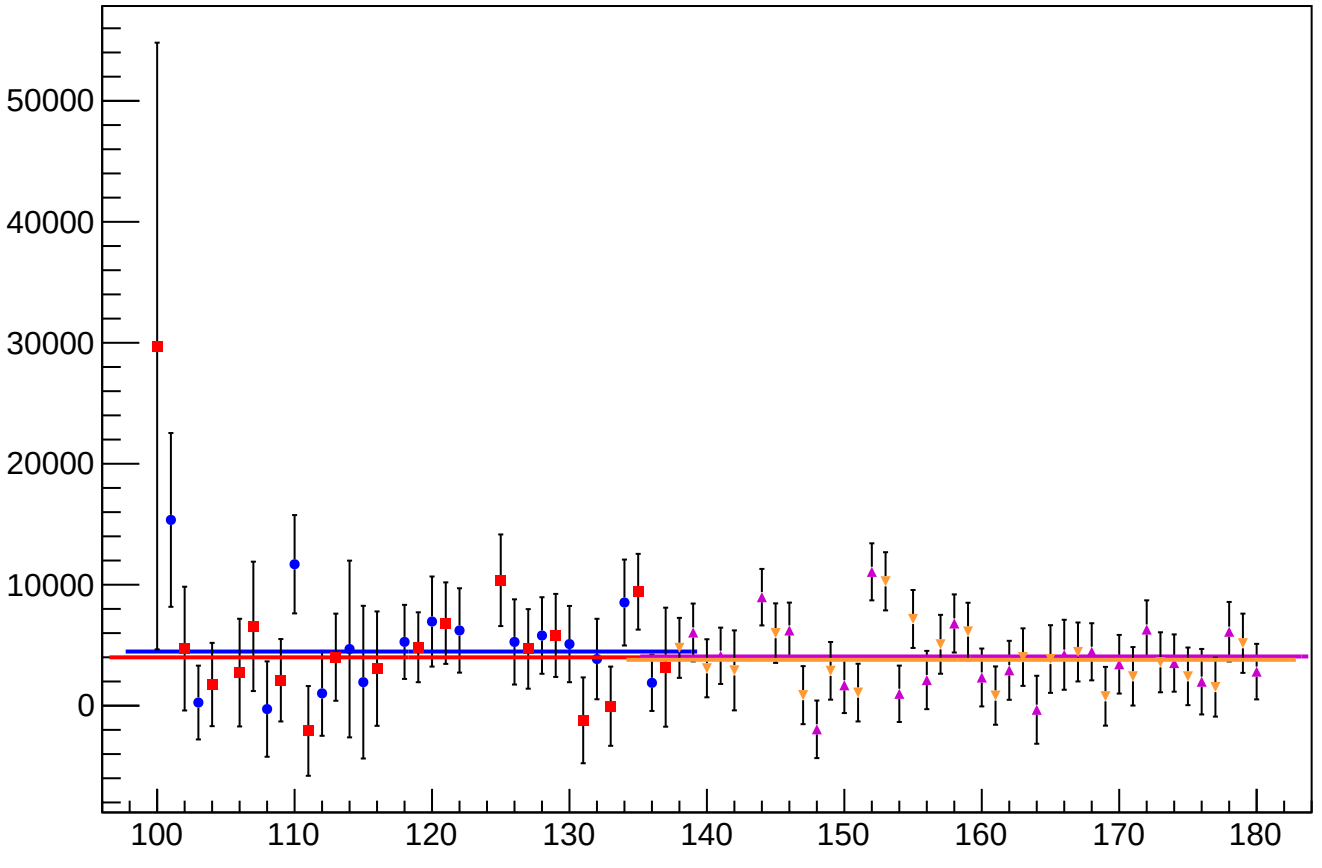
Left: 1997.499+/-0.250 χ^2/NDF: 2897100.3/41

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1899.718+/-0.279 χ^2/NDF:2161555.0/36

Out: 1912.410+/-0.286 χ^2/NDF:2342802.6/38

All: 1905.904+/-0.200 χ^2/NDF: 4505364.7/75



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3792.391+/-536.814 χ^2/NDF:19.5/20

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4067.942+/-528.038 χ^2/NDF:31.7/20

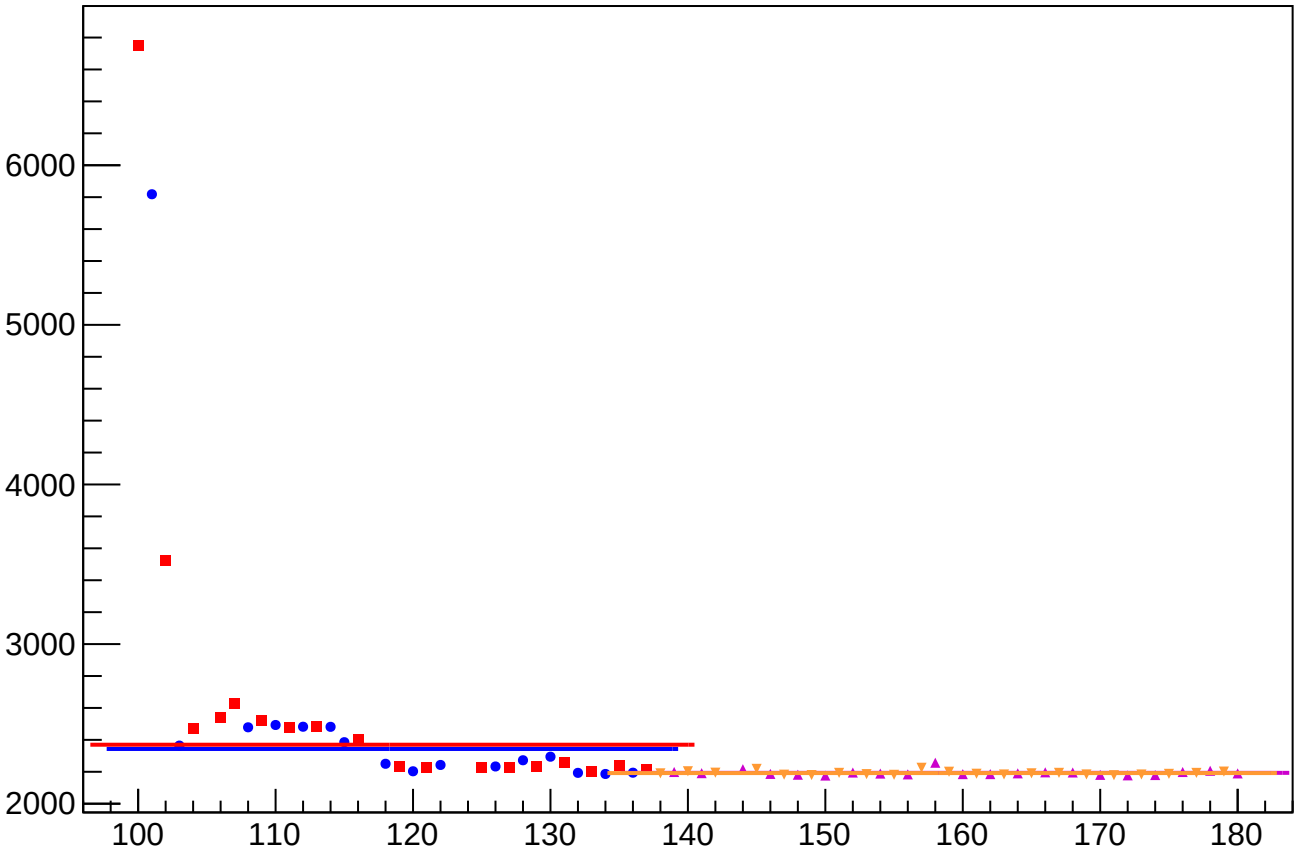
Left: 3932.437+/-376.444 χ^2/NDF: 51.4/41

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4174.990+/-453.603 χ^2/NDF:45.4/36

Out: 3846.614+/-459.732 χ^2/NDF:35.0/38

All: 4013.006+/-322.891 χ^2/NDF: 80.7/75



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

Left: 2192.623+/-0.266 χ^2/NDF: 3140.6/41

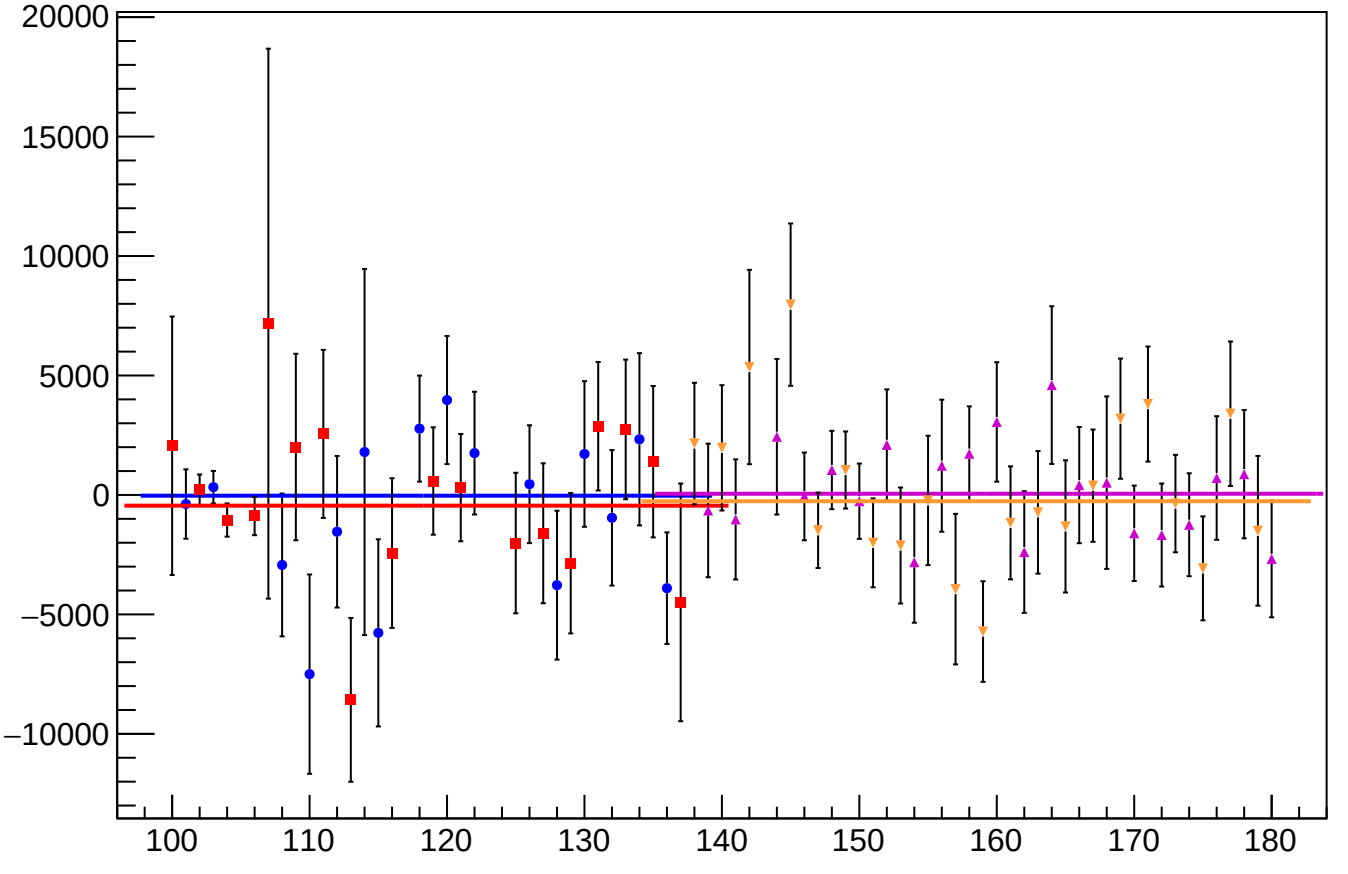
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2232.524+/-0.321 χ^2/NDF:547061.7/36

Out: 2239.262+/-0.325 χ^2/NDF:269550.8/38

All: 2235.848+/-0.228 χ^2/NDF: 816830.2/75

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: -262.696+/-513.552 χ^2/NDF:28.6/20

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 50.487+/-502.059 χ^2/NDF:11.5/20

Left: -102.560+/-359.004 χ^2/NDF: 40.4/41

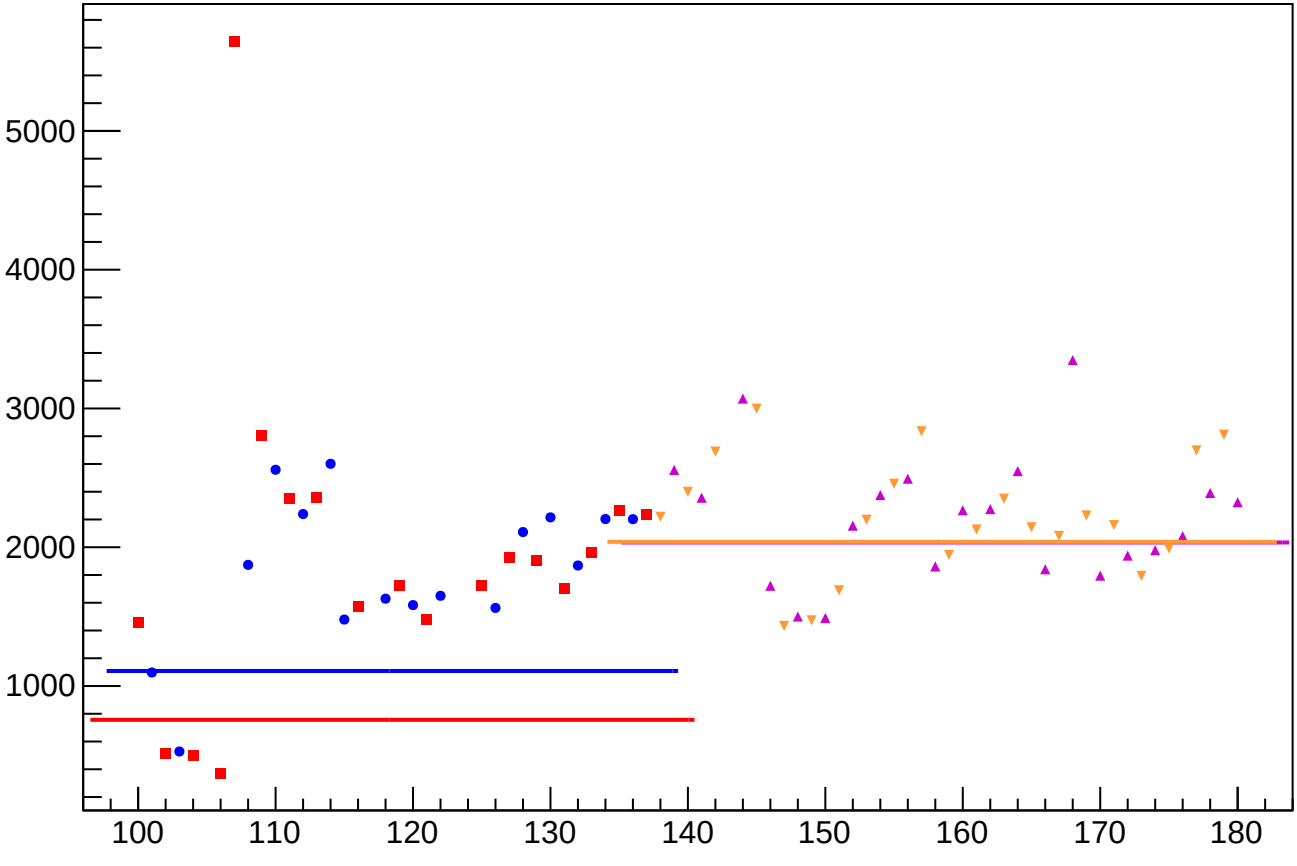
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 8.160+/-348.944 χ^2/NDF:27.9/36

Out: -386.535+/-296.191 χ^2/NDF:43.8/38

All: -221.247+/-225.811 χ^2/NDF: 72.4/75

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: 2038.981+/-0.363 χ^2/NDF:1358096.8/20

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2034.246+/-0.355 χ^2/NDF:1385351.1/20

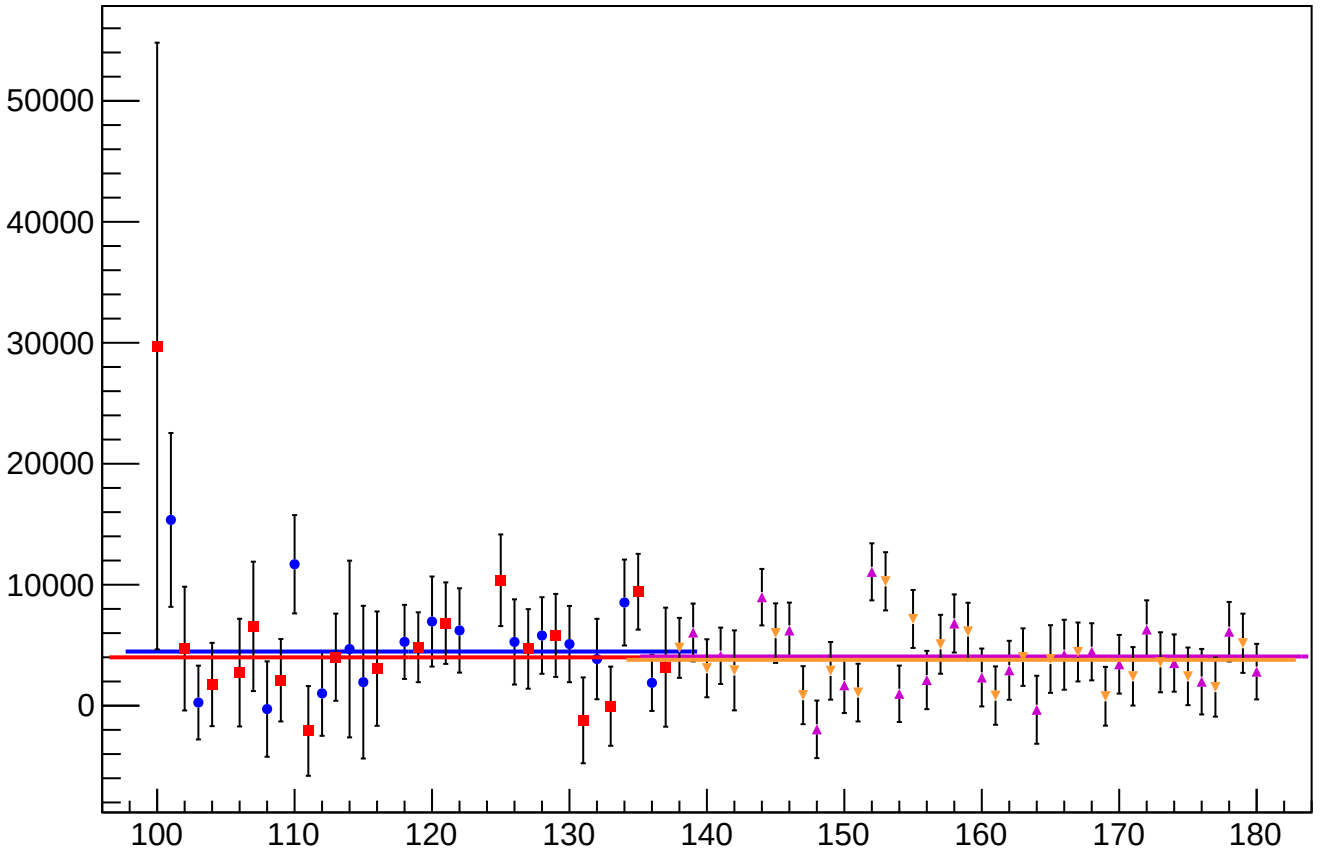
Left: 2036.560+/-0.254 χ^2/NDF: 2743534.8/41

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1555.505+/-0.247 χ^2/NDF:8649715.6/36

Out: 1183.051+/-0.209 χ^2/NDF:15286177.4/38

All: 1339.025+/-0.160 χ^2/NDF: 25260268.9/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3792.389+/-536.814 χ^2/NDF:19.5/20

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4067.943+/-528.038 χ^2/NDF:31.7/20

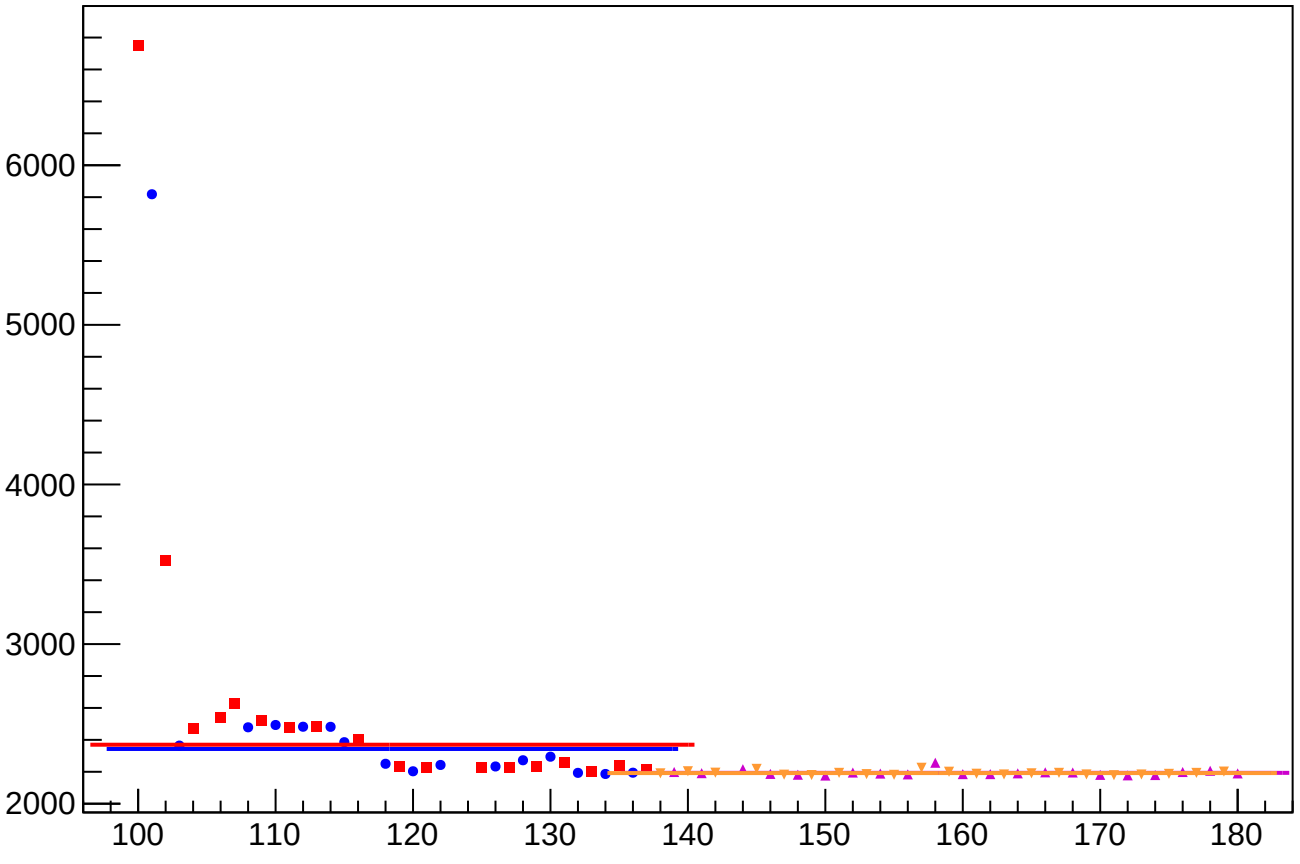
Left: 3932.437+/-376.444 χ^2/NDF: 51.4/41

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4174.990+/-453.603 χ^2/NDF:45.4/36

Out: 3846.612+/-459.732 χ^2/NDF:35.0/38

All: 4013.005+/-322.891 χ^2/NDF: 80.7/75



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.322+/-0.373 χ^2/NDF:2130.7/20

Left: 2192.623+/-0.266 χ^2/NDF: 3140.6/41

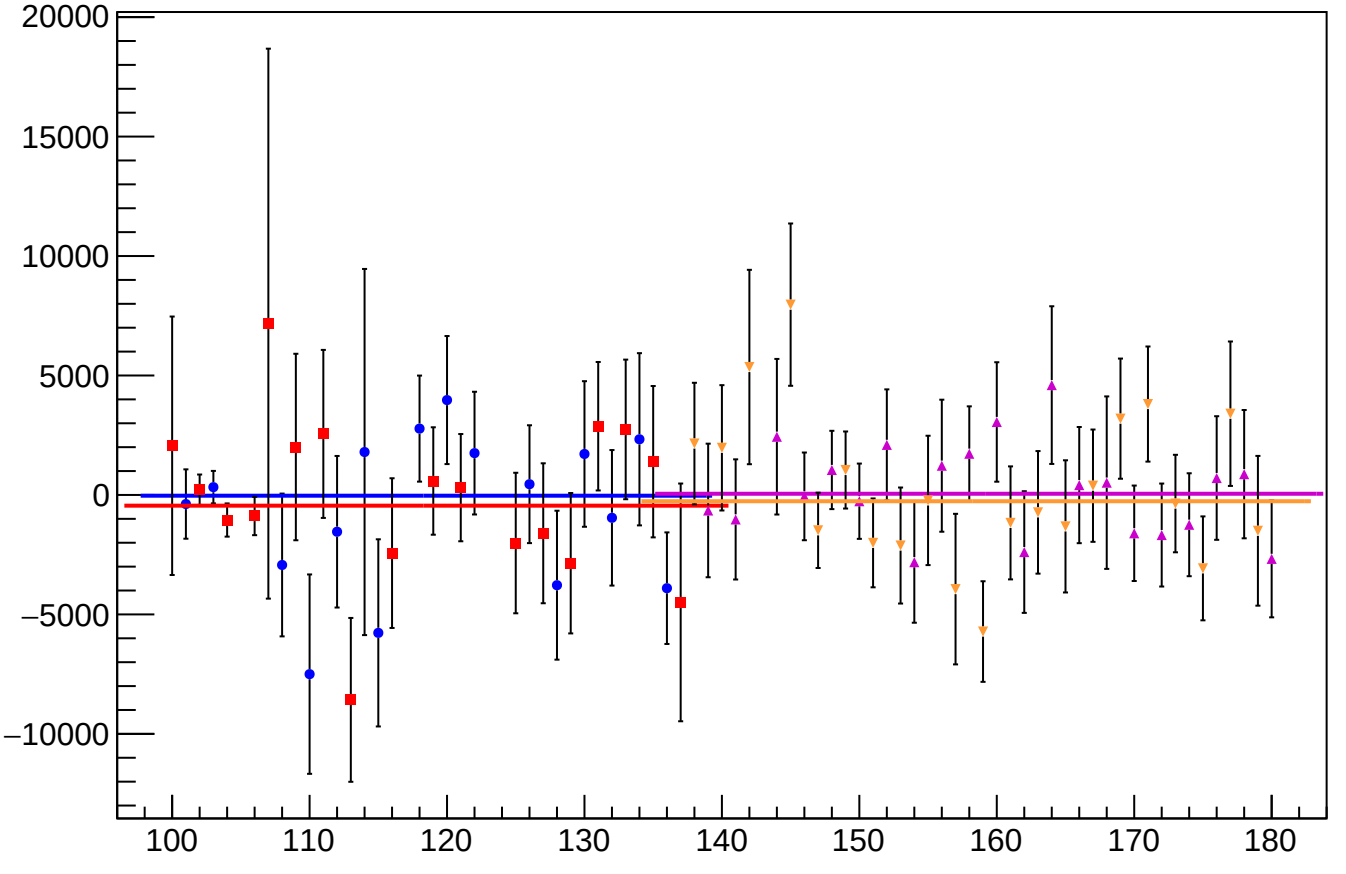
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2232.524+/-0.321 χ^2/NDF:547061.4/36

Out: 2239.262+/-0.325 χ^2/NDF:269549.3/38

All: 2235.848+/-0.228 χ^2/NDF: 816828.5/75

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: -262.699+/-513.553 χ^2/NDF:28.6/20

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 50.488+/-502.060 χ^2/NDF:11.5/20

Left: -102.562+/-359.004 χ^2/NDF: 40.4/41

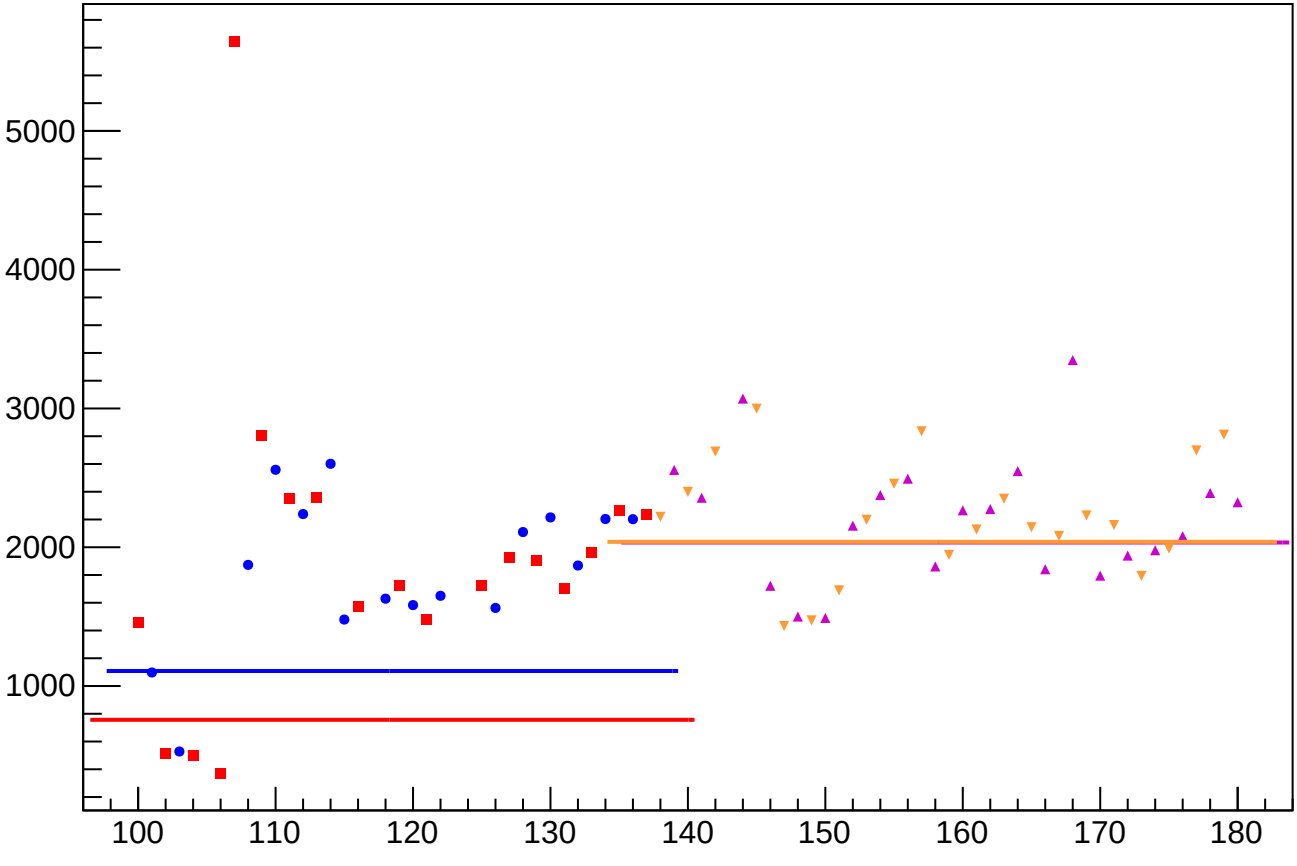
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 8.157+/-348.945 χ^2/NDF:27.9/36

Out: -386.537+/-296.194 χ^2/NDF:43.8/38

All: -221.249+/-225.813 χ^2/NDF: 72.4/75

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: 2038.985+/-0.363 χ^2/NDF:1358096.1/20

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2034.249+/-0.355 χ^2/NDF:1385349.6/20

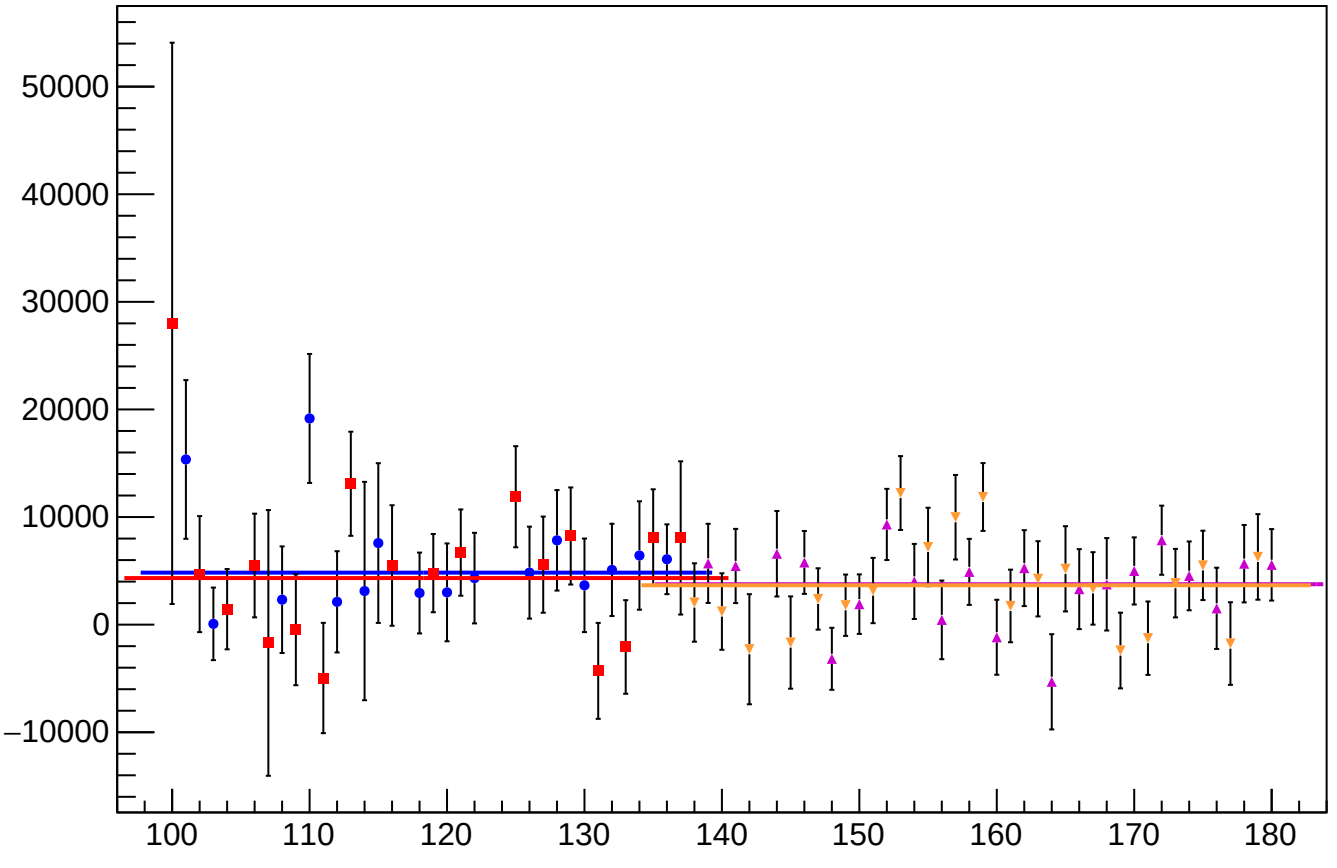
Left: 2036.563+/-0.254 χ^2/NDF: 2743532.7/41

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1555.514+/-0.247 χ^2/NDF:8649567.9/36

Out: 1183.068+/-0.209 χ^2/NDF:15285817.9/38

All: 1339.039+/-0.160 χ^2/NDF: 25259680.3/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3659.580+/-757.717 χ^2/NDF:29.1/20

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3755.928+/-741.239 χ^2/NDF:20.7/20

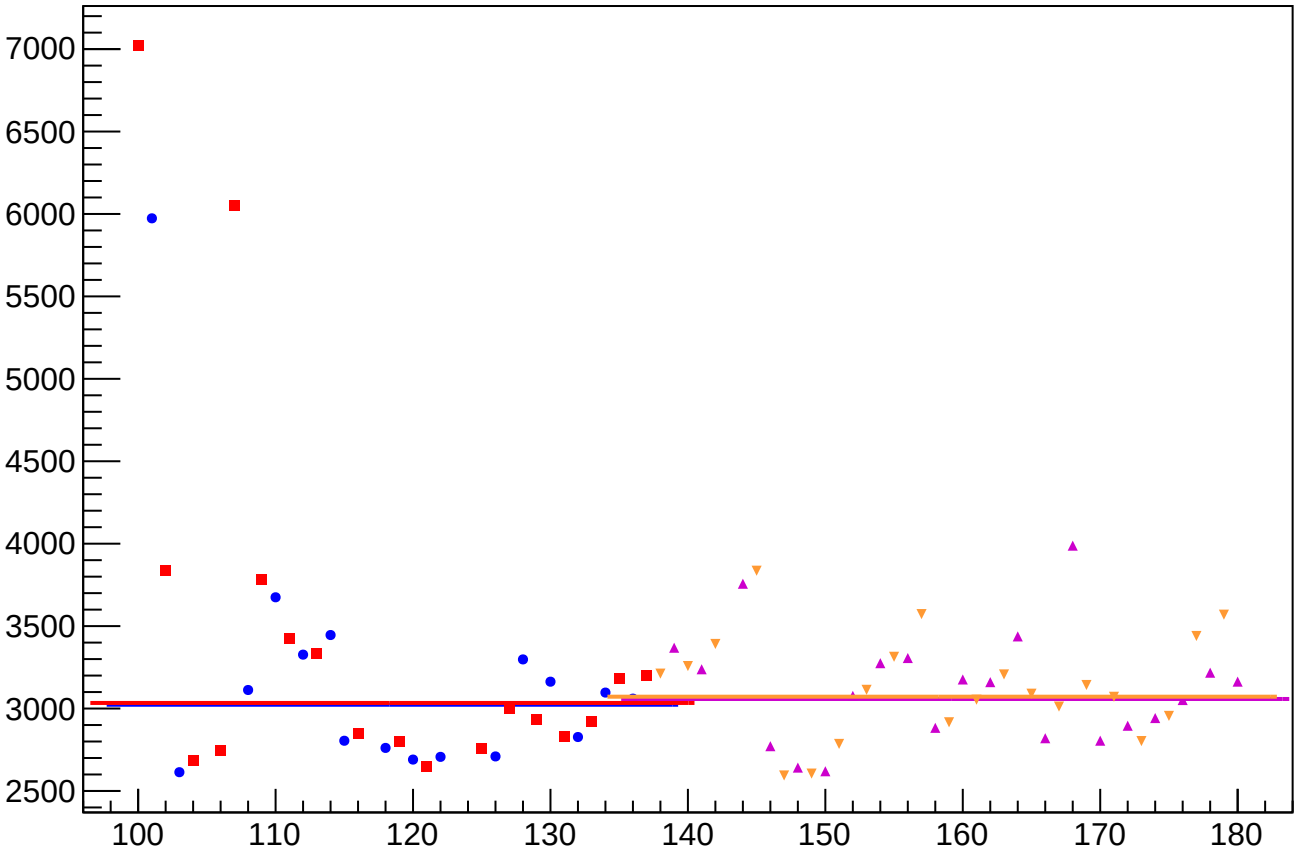
Left: 3708.813+/-529.865 χ^2/NDF: 49.8/41

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4075.218+/-621.837 χ^2/NDF:33.0/36

Out: 3863.447+/-631.808 χ^2/NDF:49.2/38

All: 3971.017+/-443.189 χ^2/NDF: 82.3/75



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3071.873+/-0.536 χ^2/NDF:324898.9/20

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3057.993+/-0.524 χ^2/NDF:363933.8/20

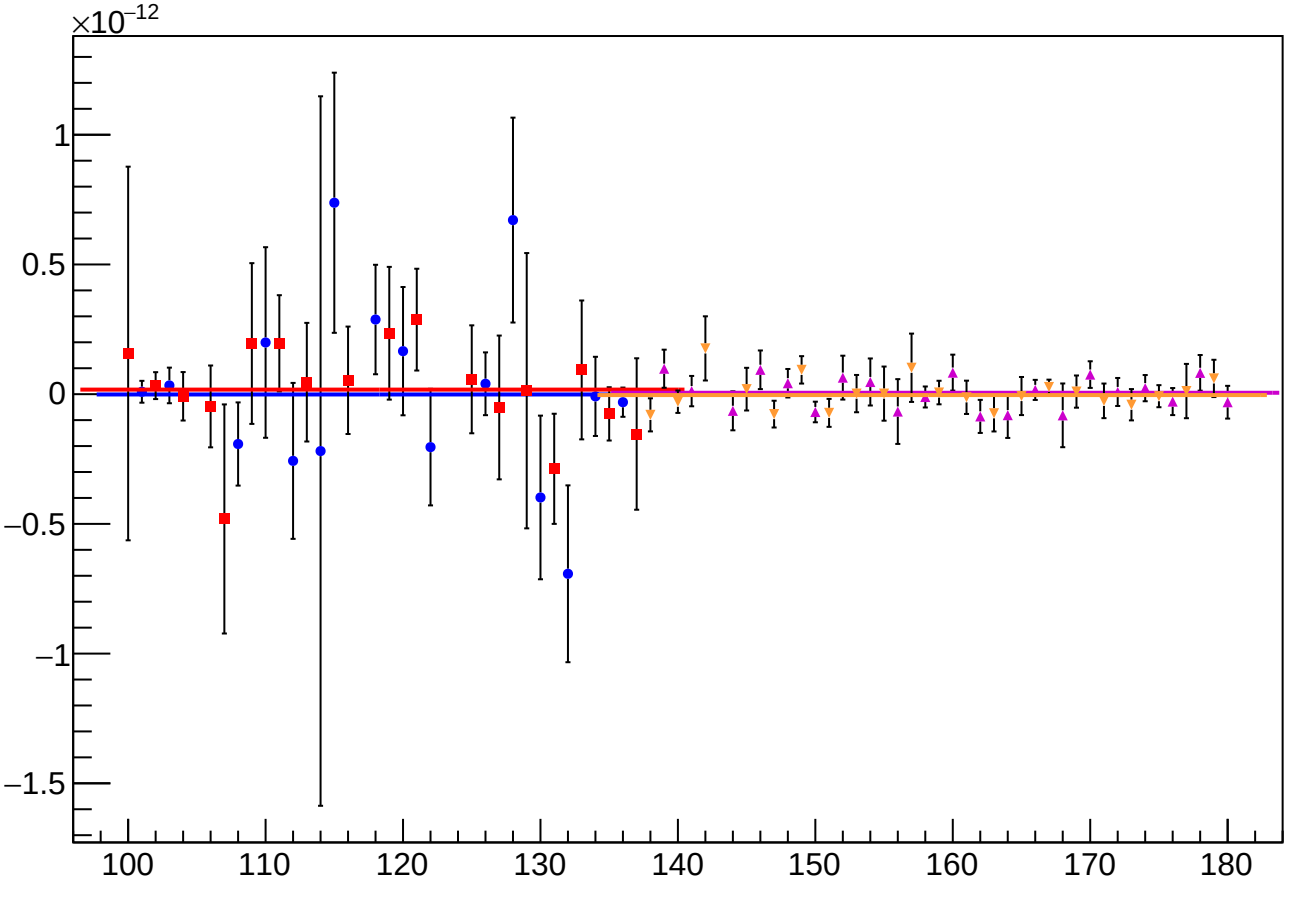
Left: 3064.780+/-0.375 χ^2/NDF: 689175.6/41

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3047.647+/-0.440 χ^2/NDF:808954.7/36

Out: 3060.292+/-0.447 χ^2/NDF:669106.8/38

All: 3053.869+/-0.313 χ^2/NDF: 1478468.4/75



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/20

Left: 0.000+/-0.000 χ^2/NDF: 33.4/41

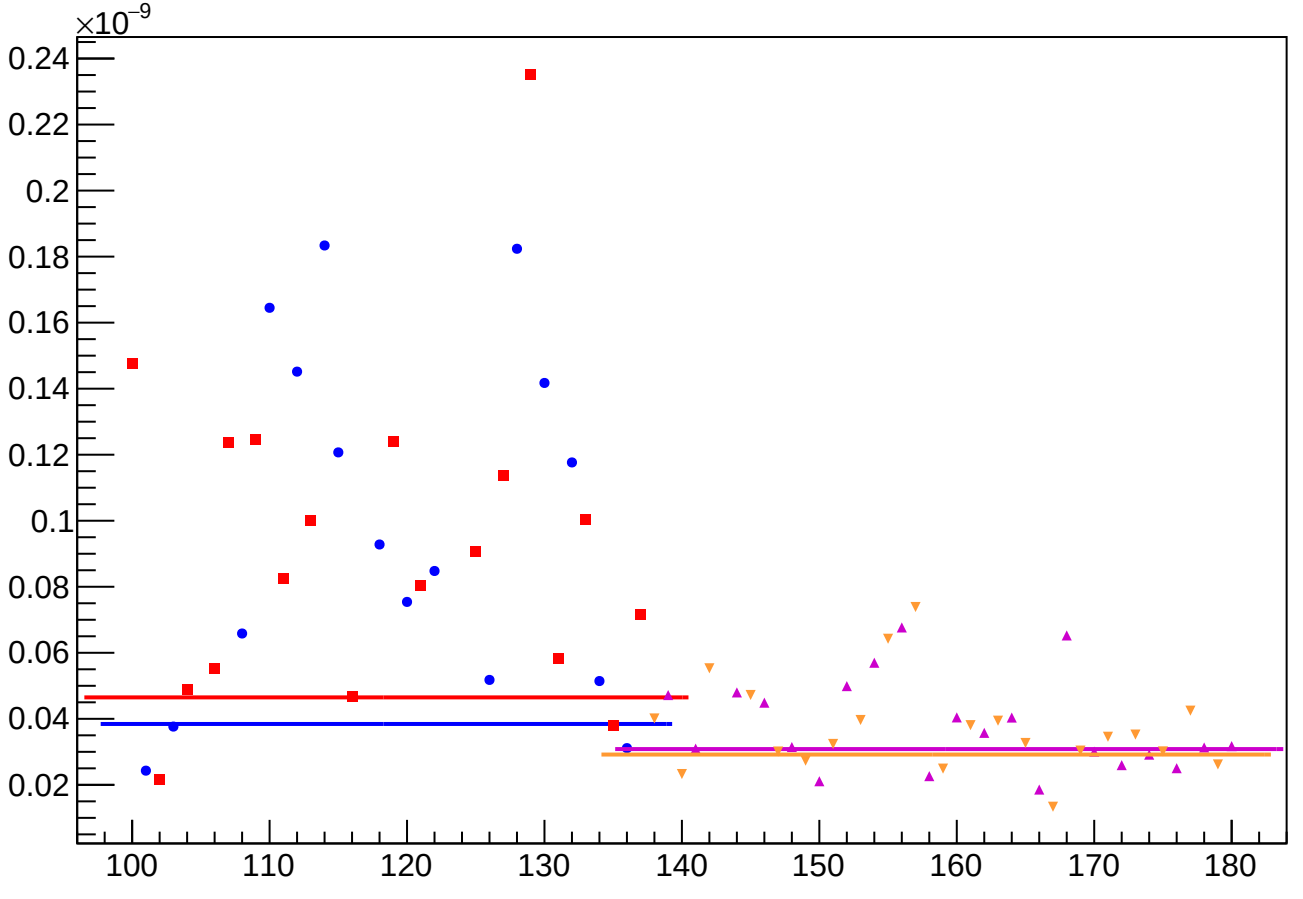
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:35.0/36

Out: -0.000+/-0.000 χ^2/NDF:24.6/38

All: 0.000+/-0.000 χ^2/NDF: 59.7/75

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:1586545.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1396058.7/20

Left: 0.000+/-0.000 χ^2/NDF: 2999611.8/41

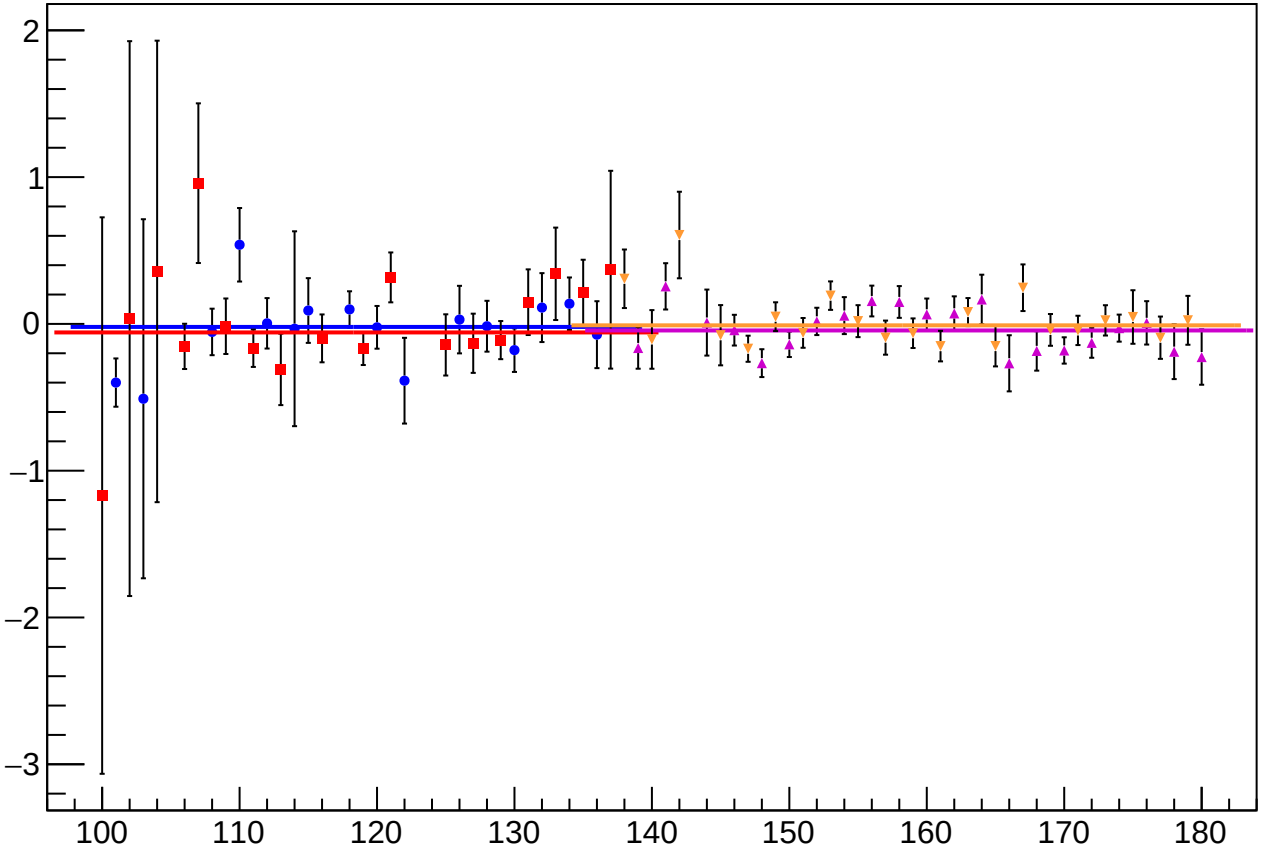
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3294725.5/36

Out: 0.000+/-0.000 χ^2/NDF:3728401.1/38

All: 0.000+/-0.000 χ^2/NDF: 7030981.3/75

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: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.045+/-0.026 χ^2/NDF:29.8/20

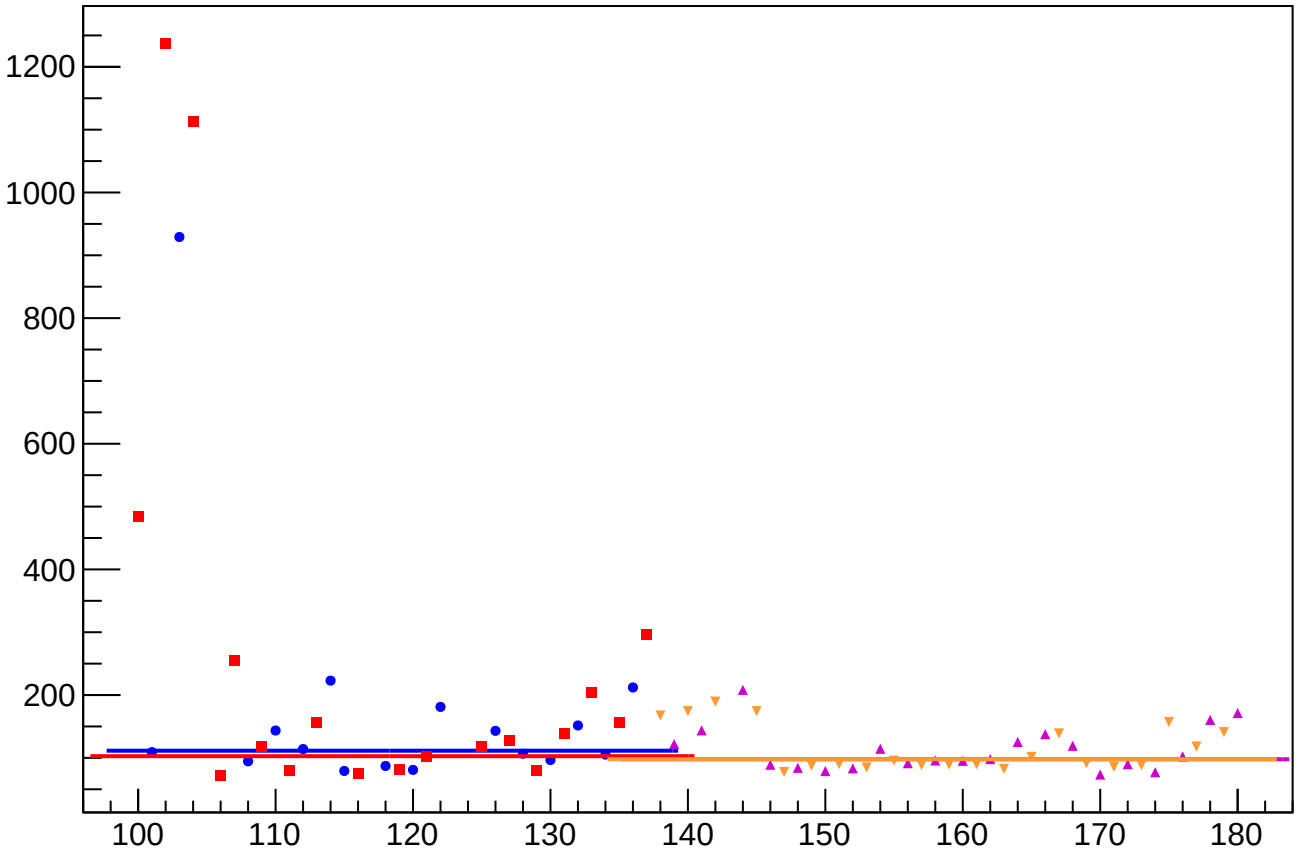
Left: -0.028+/-0.018 χ^2/NDF: 54.1/41

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.023 χ^2/NDF:45.6/36

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.030+/-0.016 χ^2/NDF: 87.0/75



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.884+/-0.018 χ^2/NDF:1849008.0/20

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.788+/-0.018 χ^2/NDF:1937643.3/20

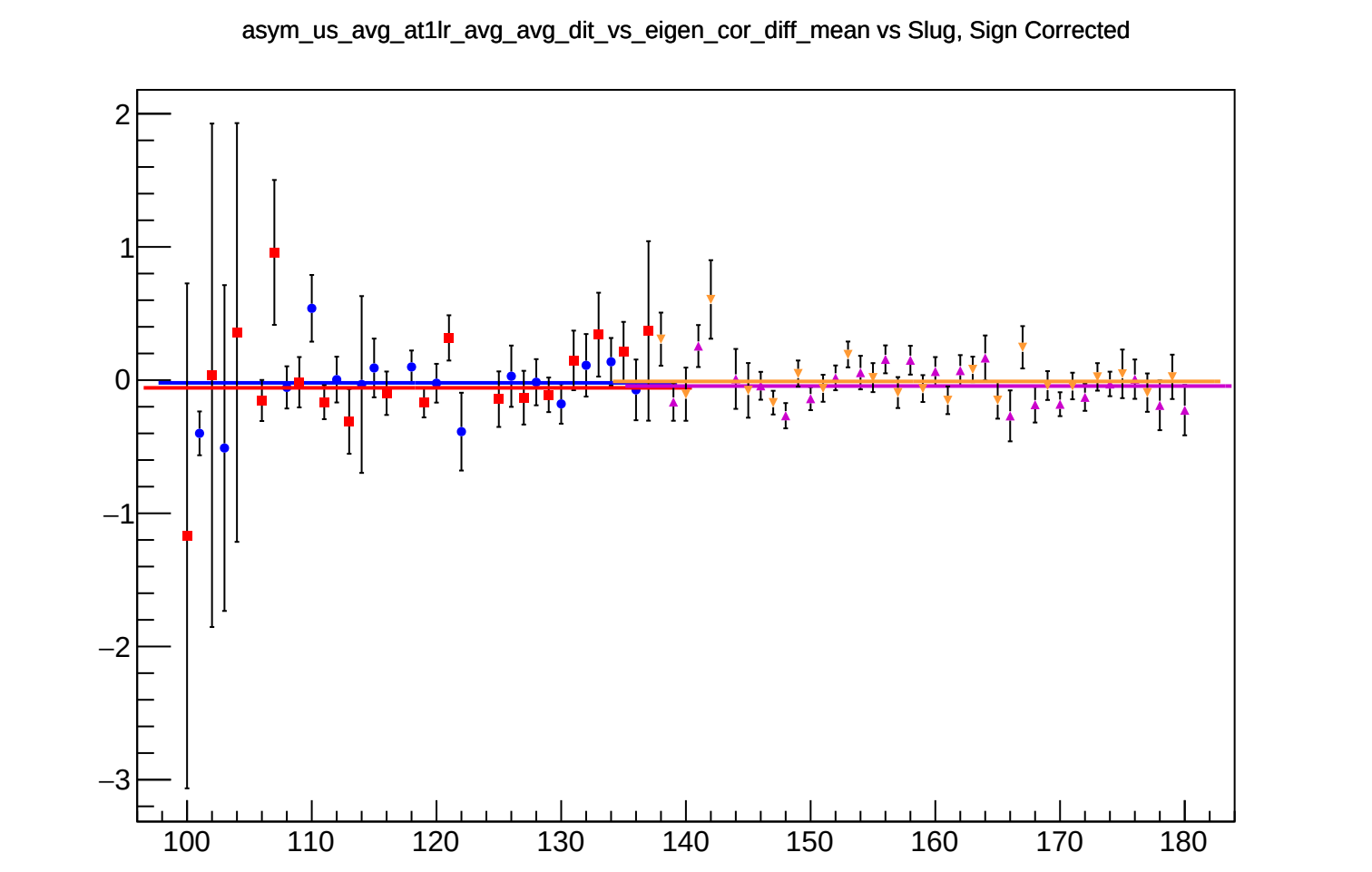
Left: 97.835+/-0.013 χ^2/NDF: 3786665.0/41

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.850+/-0.016 χ^2/NDF:3903756.8/36

Out: 99.037+/-0.016 χ^2/NDF:4692032.8/38

All: 99.951+/-0.011 χ^2/NDF: 8602177.7/75



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.045+/-0.026 χ^2/NDF:29.8/20

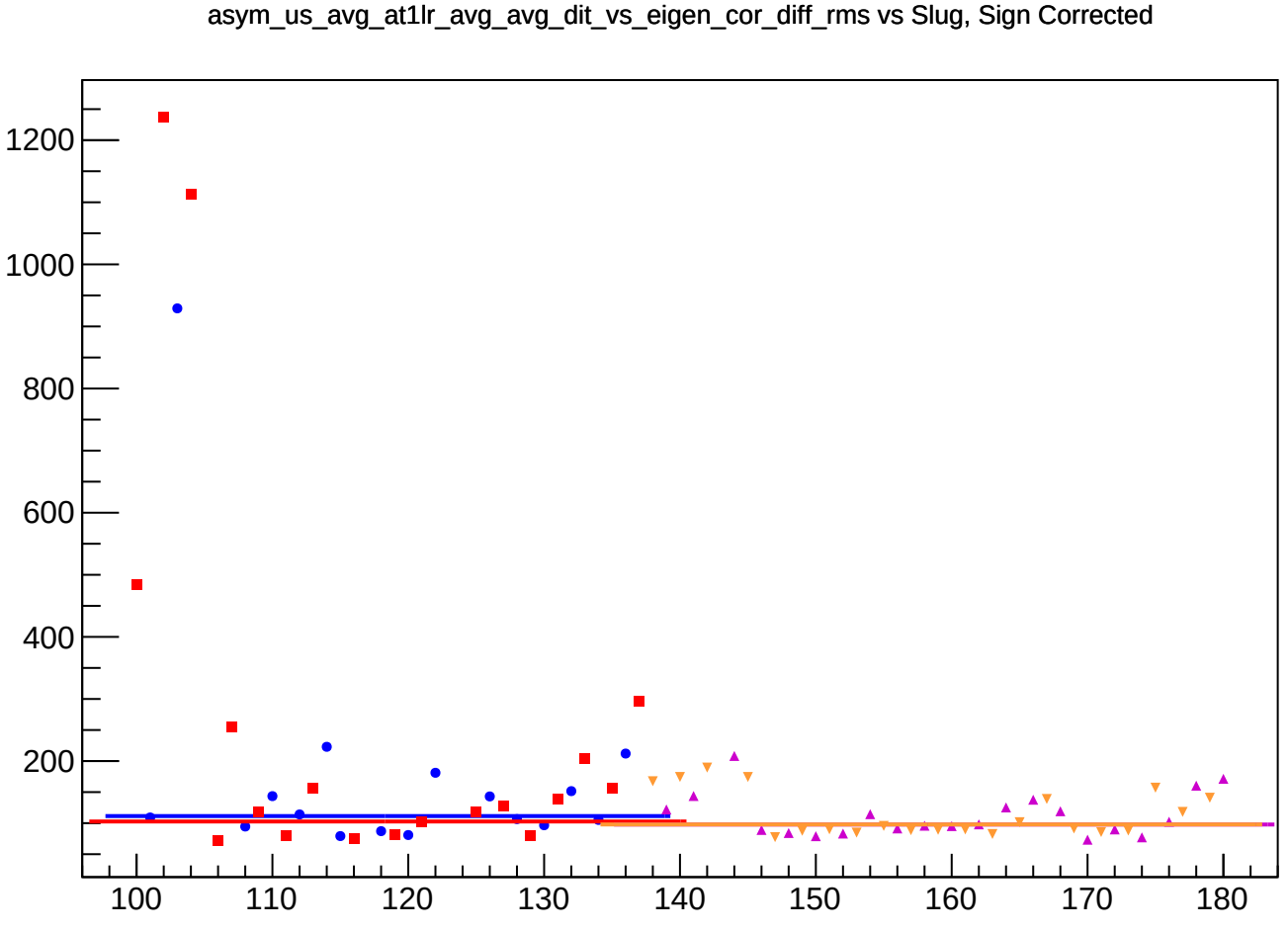
Left: -0.028+/-0.018 χ^2/NDF: 54.1/41

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.023 χ^2/NDF:45.6/36

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.030+/-0.016 χ^2/NDF: 87.0/75



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.884+/-0.018 χ^2/NDF:1849008.0/20

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.788+/-0.018 χ^2/NDF:1937643.3/20

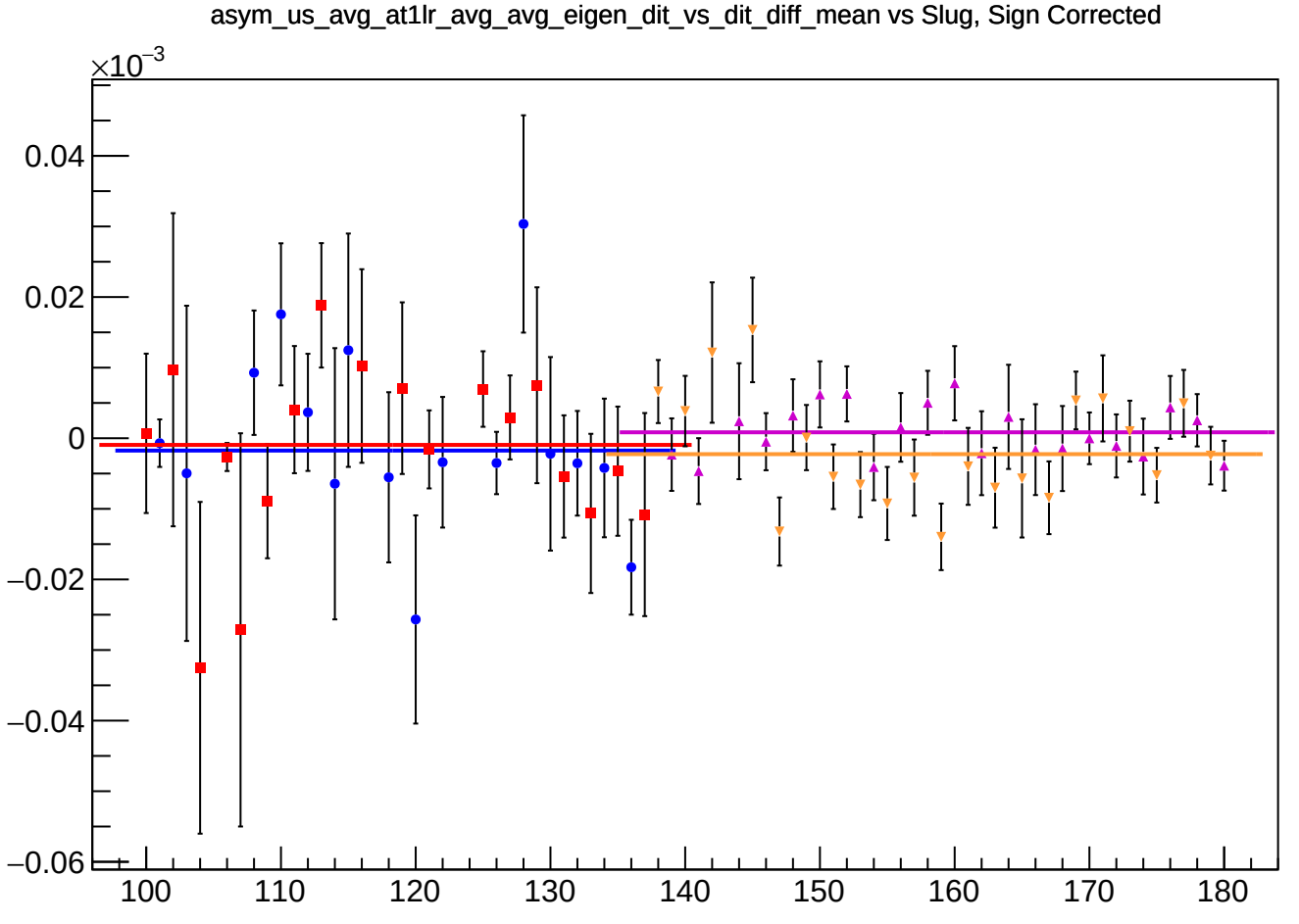
Left: 97.835+/-0.013 χ^2/NDF: 3786665.0/41

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.850+/-0.016 χ^2/NDF:3903756.8/36

Out: 99.037+/-0.016 χ^2/NDF:4692032.8/38

All: 99.951+/-0.011 χ^2/NDF: 8602177.7/75



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/20

Left: -0.000+/-0.000 χ^2/NDF: 56.6/41

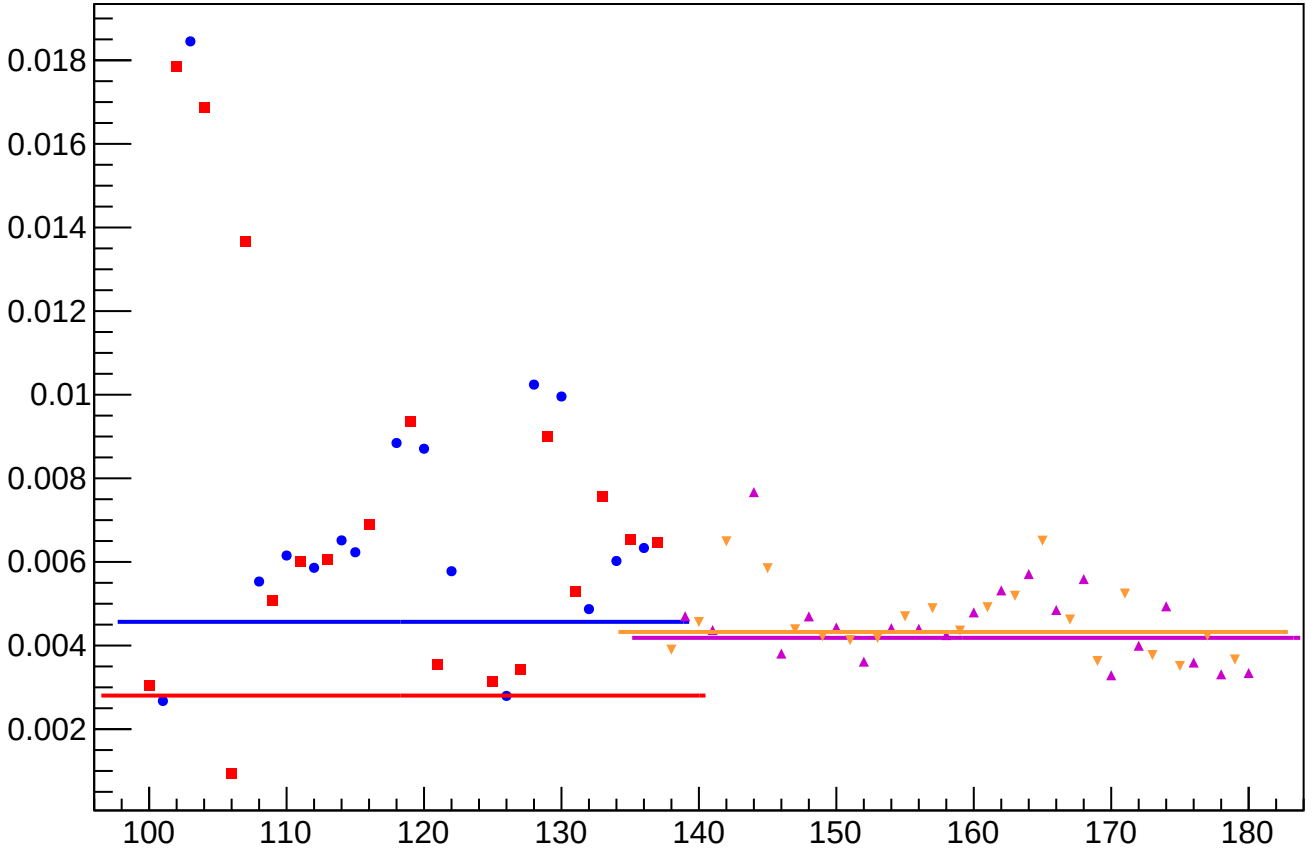
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:34.4/36

Out: -0.000+/-0.000 χ^2/NDF:55.6/38

All: -0.000+/-0.000 χ^2/NDF: 92.7/75

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:732199.5/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1216158.3/20

Left: 0.004+/-0.000 χ^2/NDF: 1965997.3/41

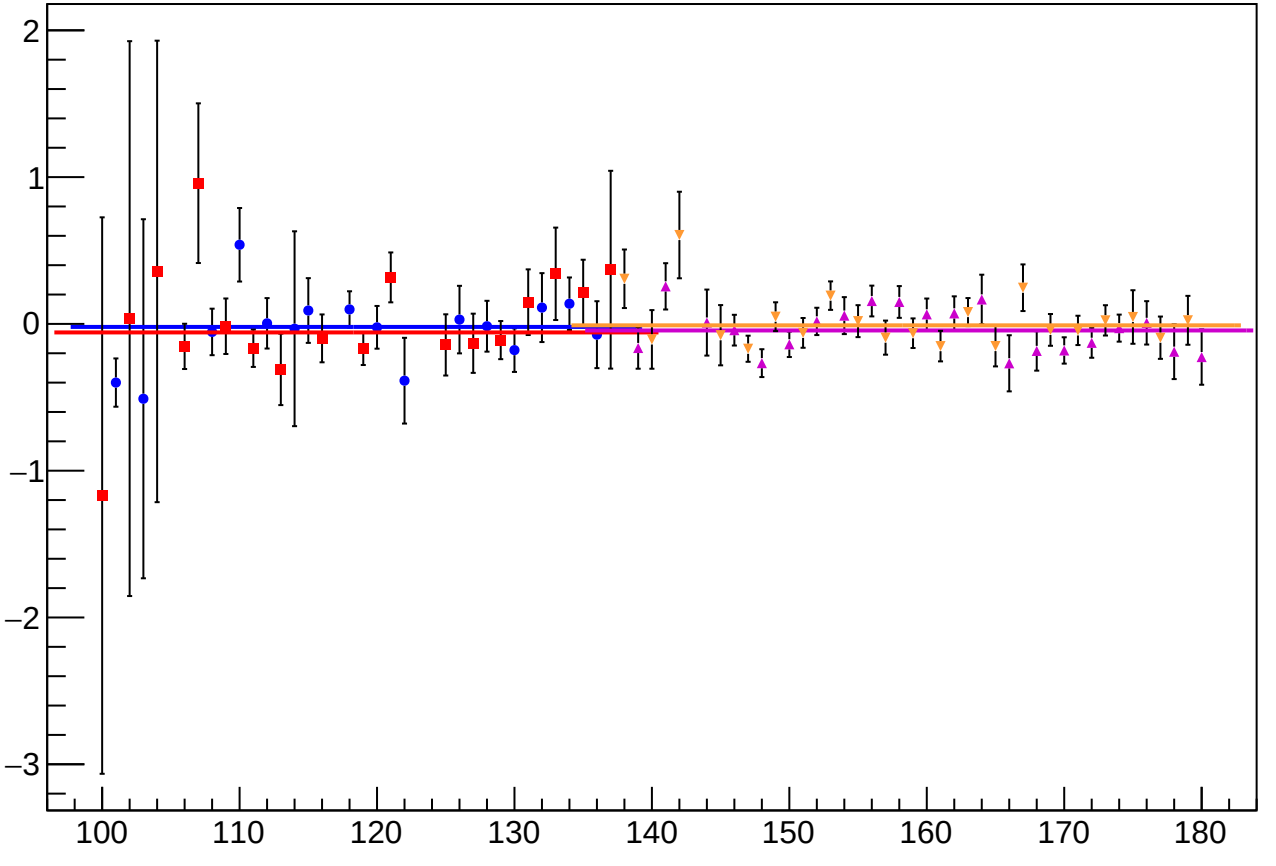
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:4289682.4/36

Out: 0.004+/-0.000 χ^2/NDF:8718024.0/38

All: 0.004+/-0.000 χ^2/NDF: 13294034.9/75

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: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.045+/-0.026 χ^2/NDF:29.8/20

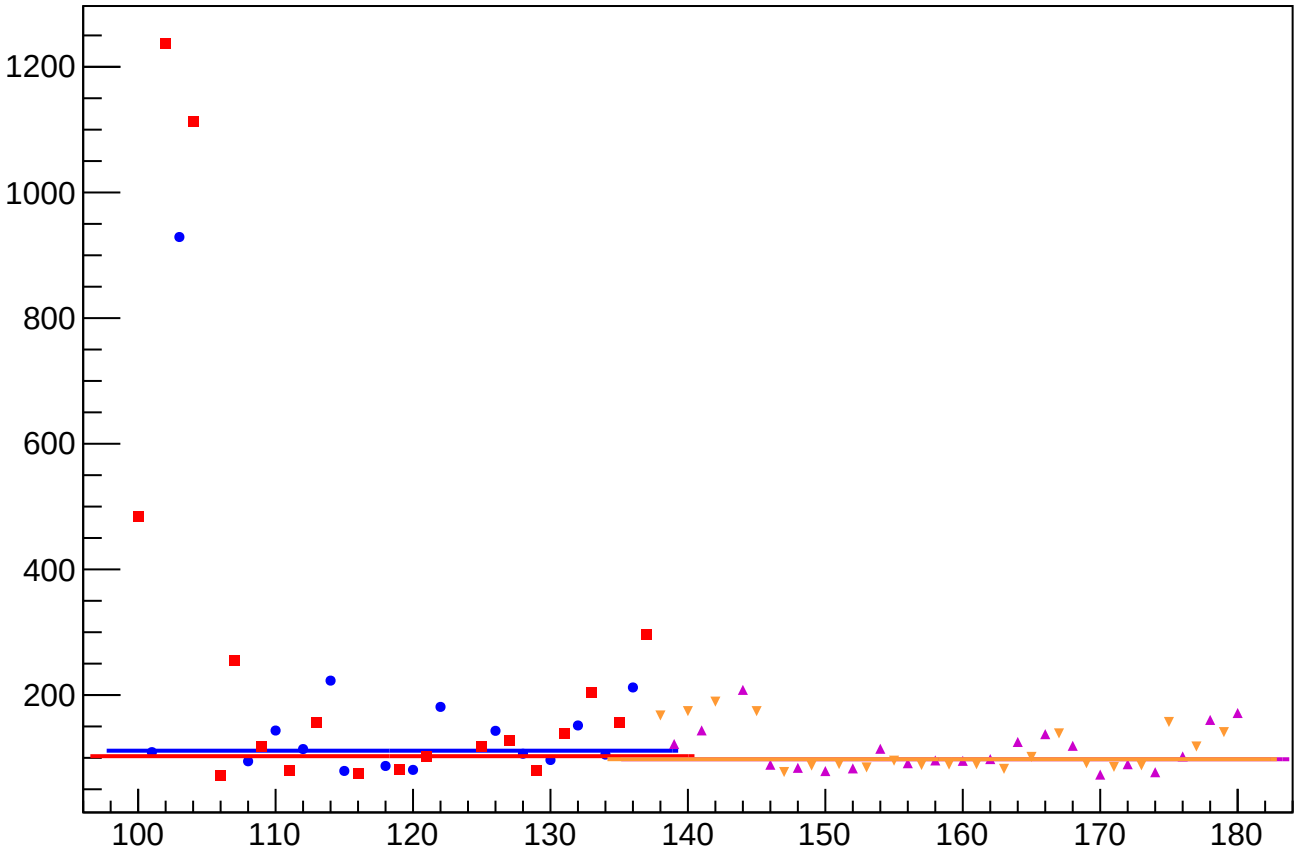
Left: -0.028+/-0.018 χ^2/NDF: 54.1/41

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.023 χ^2/NDF:45.6/36

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.030+/-0.016 χ^2/NDF: 87.0/75



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.884+/-0.018 χ^2/NDF:1848971.3/20

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.788+/-0.018 χ^2/NDF:1937616.2/20

Left: 97.835+/-0.013 χ^2/NDF: 3786601.2/41

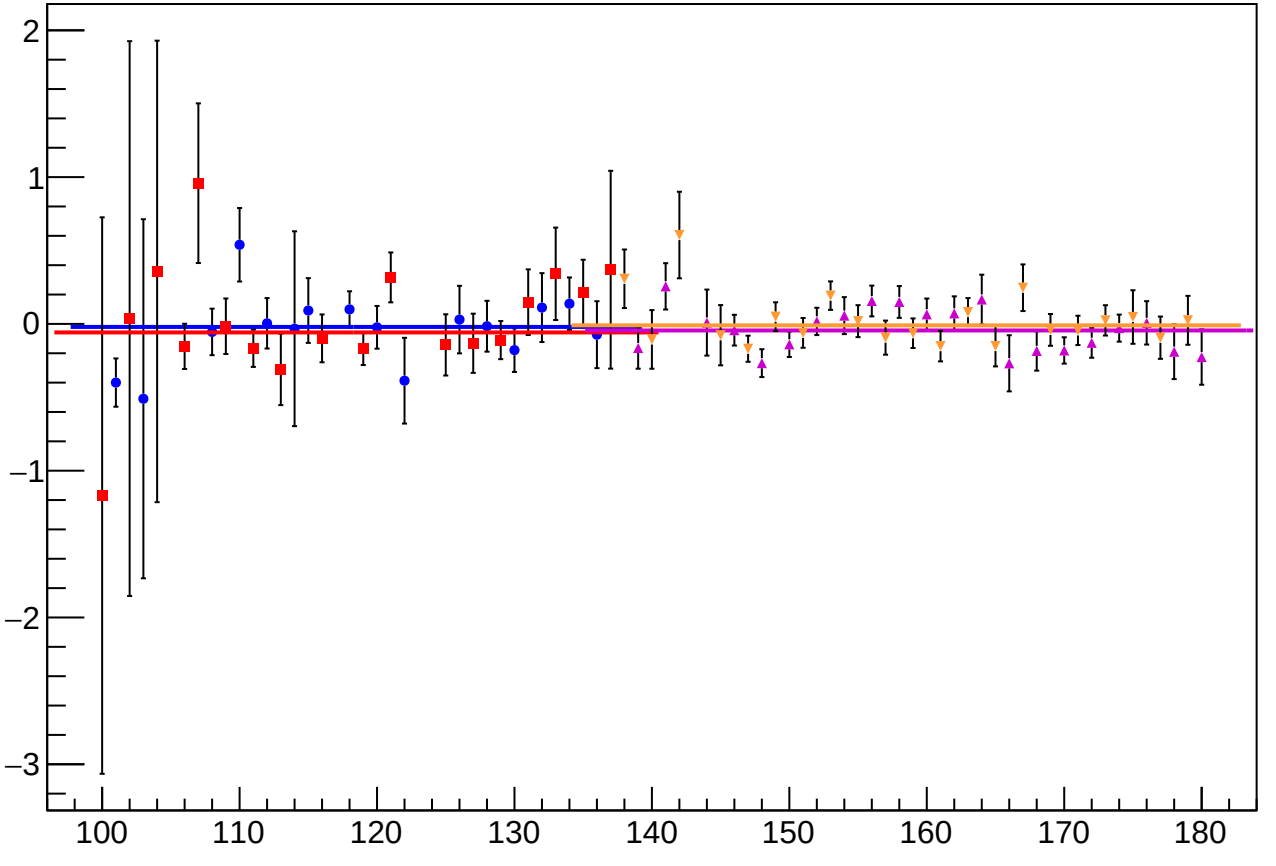
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.850+/-0.016 χ^2/NDF:3903720.6/36

Out: 99.037+/-0.016 χ^2/NDF:4691976.4/38

All: 99.951+/-0.011 χ^2/NDF: 8602082.9/75

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: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.045+/-0.026 χ^2/NDF:29.8/20

Left: -0.028+/-0.018 χ^2/NDF: 54.1/41

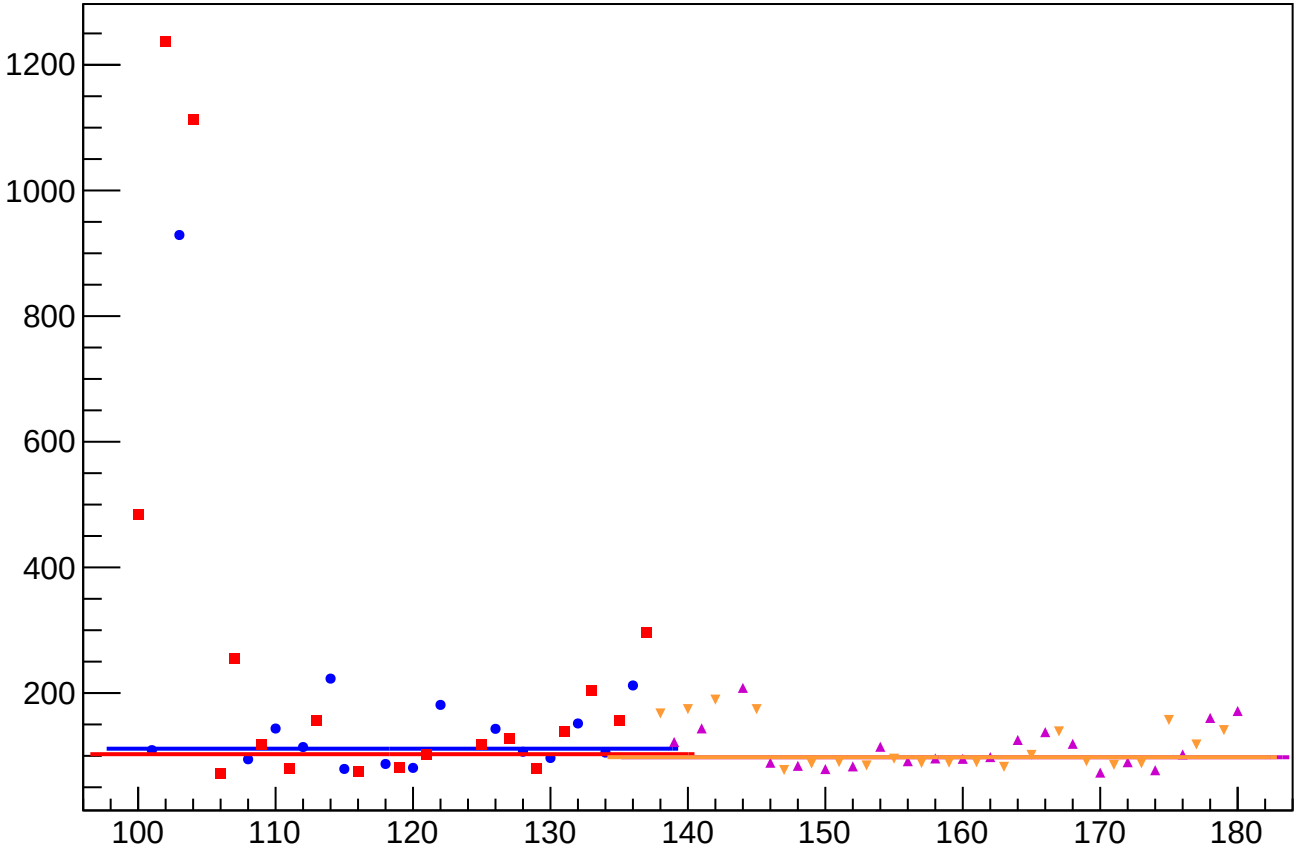
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.039+/-0.023 χ^2/NDF:45.6/36

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.030+/-0.016 χ^2/NDF: 87.0/75

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: 97.884+/-0.018 χ^2/NDF:1848971.3/20

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.788+/-0.018 χ^2/NDF:1937616.2/20

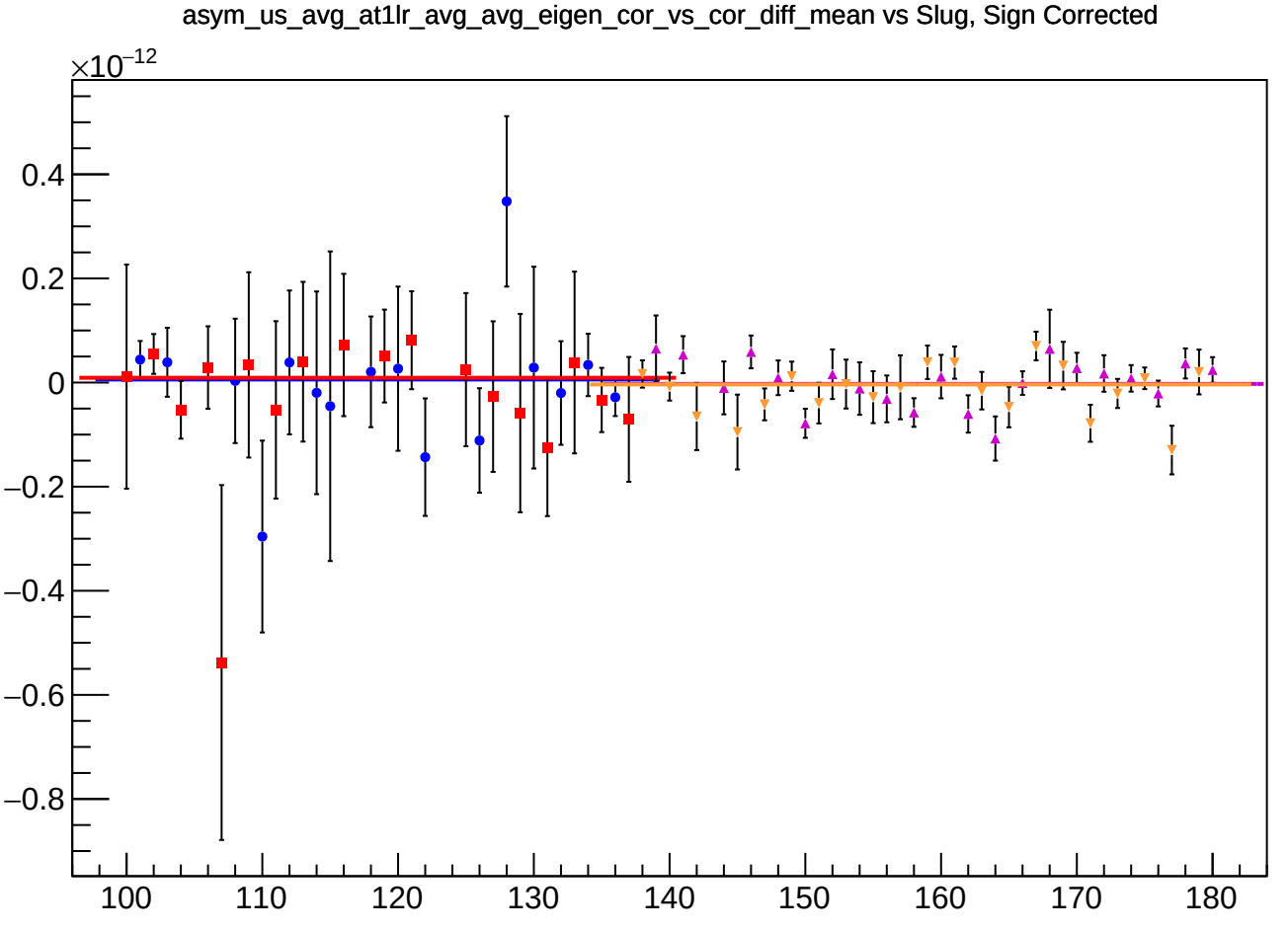
Left: 97.835+/-0.013 χ^2/NDF: 3786601.2/41

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.850+/-0.016 χ^2/NDF:3903720.6/36

Out: 99.037+/-0.016 χ^2/NDF:4691976.4/38

All: 99.951+/-0.011 χ^2/NDF: 8602082.9/75



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:34.3/20

Left: -0.000+/-0.000 χ^2/NDF: 65.9/41

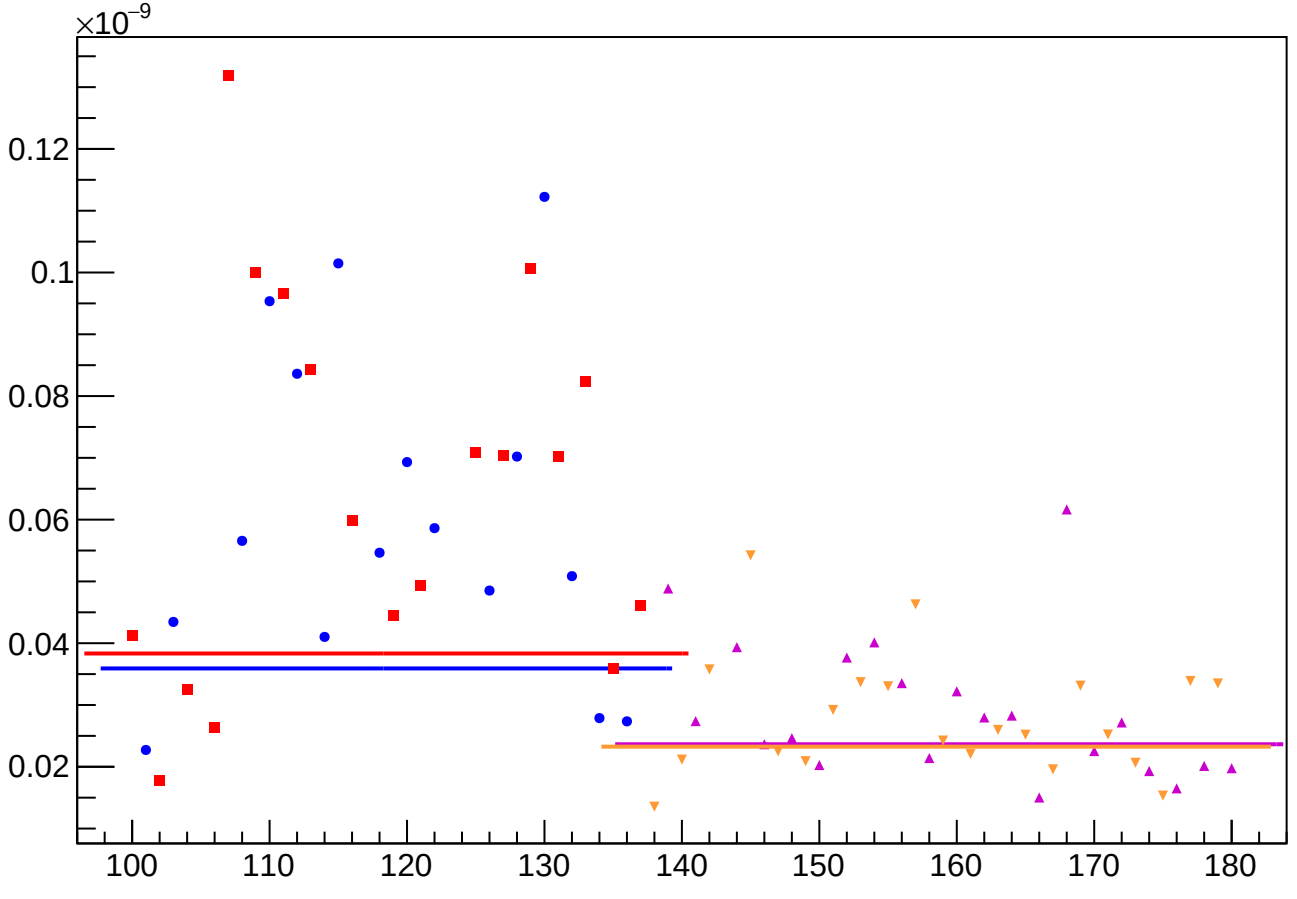
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:47.4/36

Out: -0.000+/-0.000 χ^2/NDF:40.6/38

All: -0.000+/-0.000 χ^2/NDF: 88.0/75

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:1932966.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2318432.8/20

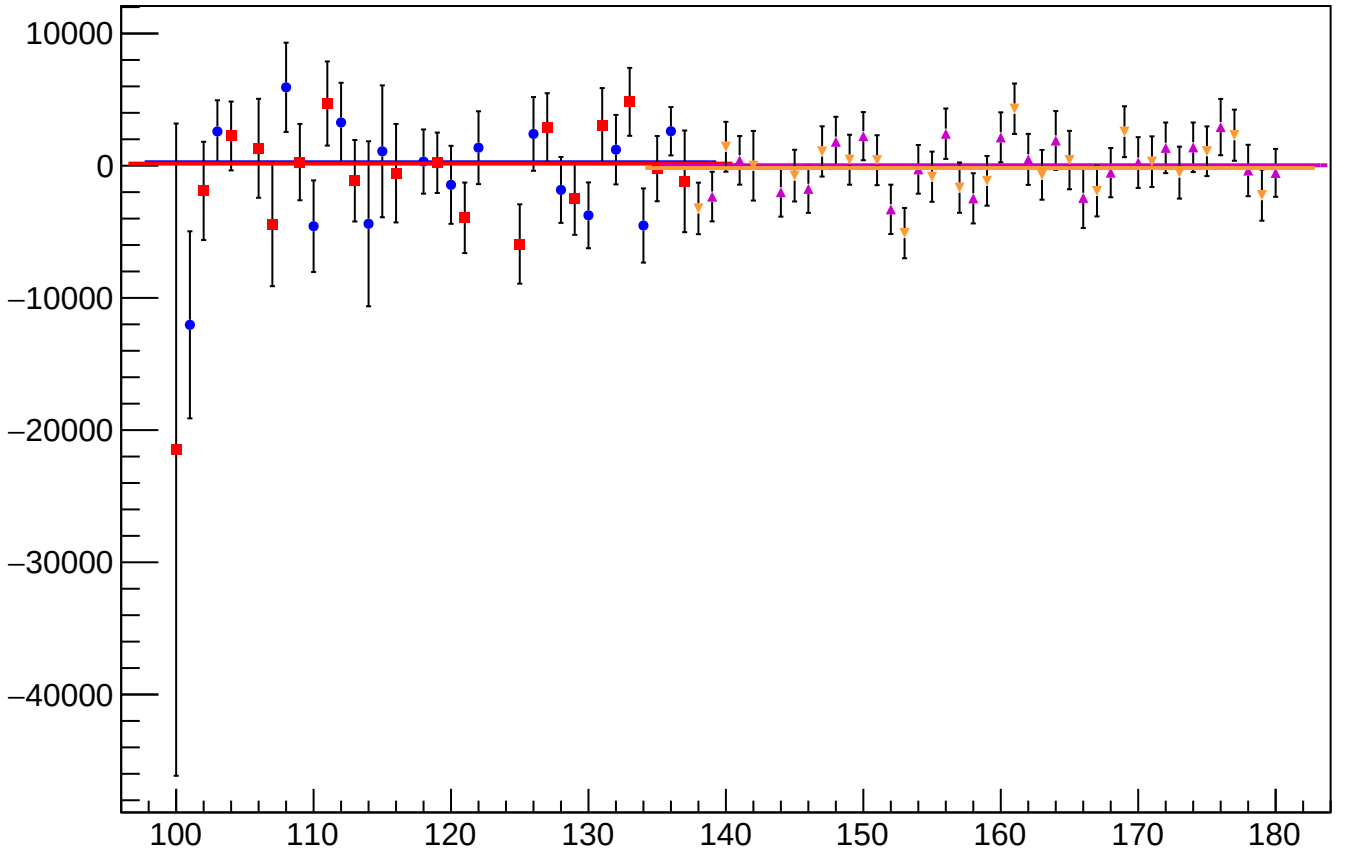
Left: 0.000+/-0.000 χ^2/NDF: 4254212.5/41

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4794732.9/36

Out: 0.000+/-0.000 χ^2/NDF:5005788.8/38

All: 0.000+/-0.000 χ^2/NDF: 9802454.4/75



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.309+/-424.409 χ^2/NDF:23.5/20

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: 34.494+/-417.479 χ^2/NDF:18.9/20

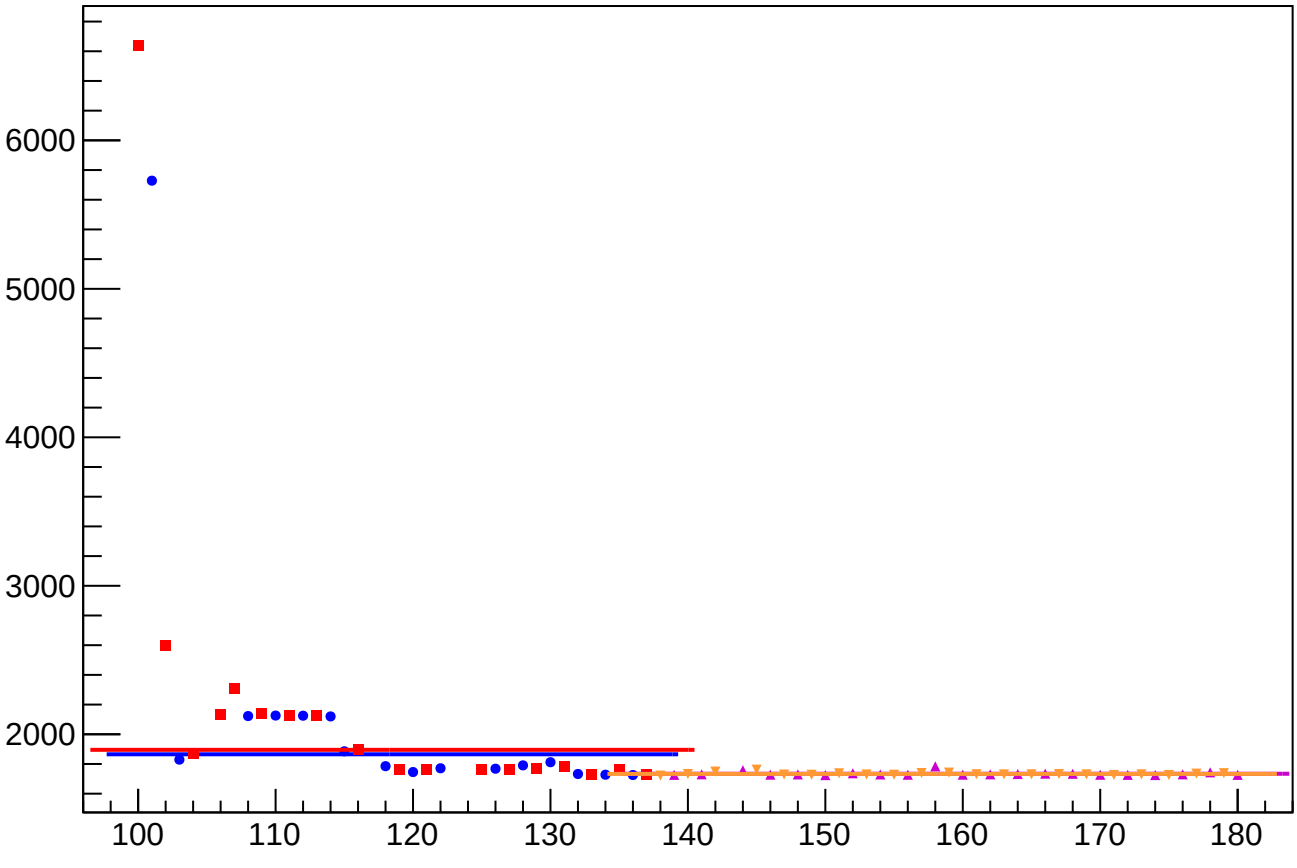
Left: -69.665+/-297.622 χ^2/NDF: 42.5/41

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 92.338+/-359.838 χ^2/NDF:38.4/36

Out: -89.113+/-364.599 χ^2/NDF:41.7/38

All: 2.805+/-256.110 χ^2/NDF: 80.3/75



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.054+/-0.300 χ^2/NDF:790.6/20

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

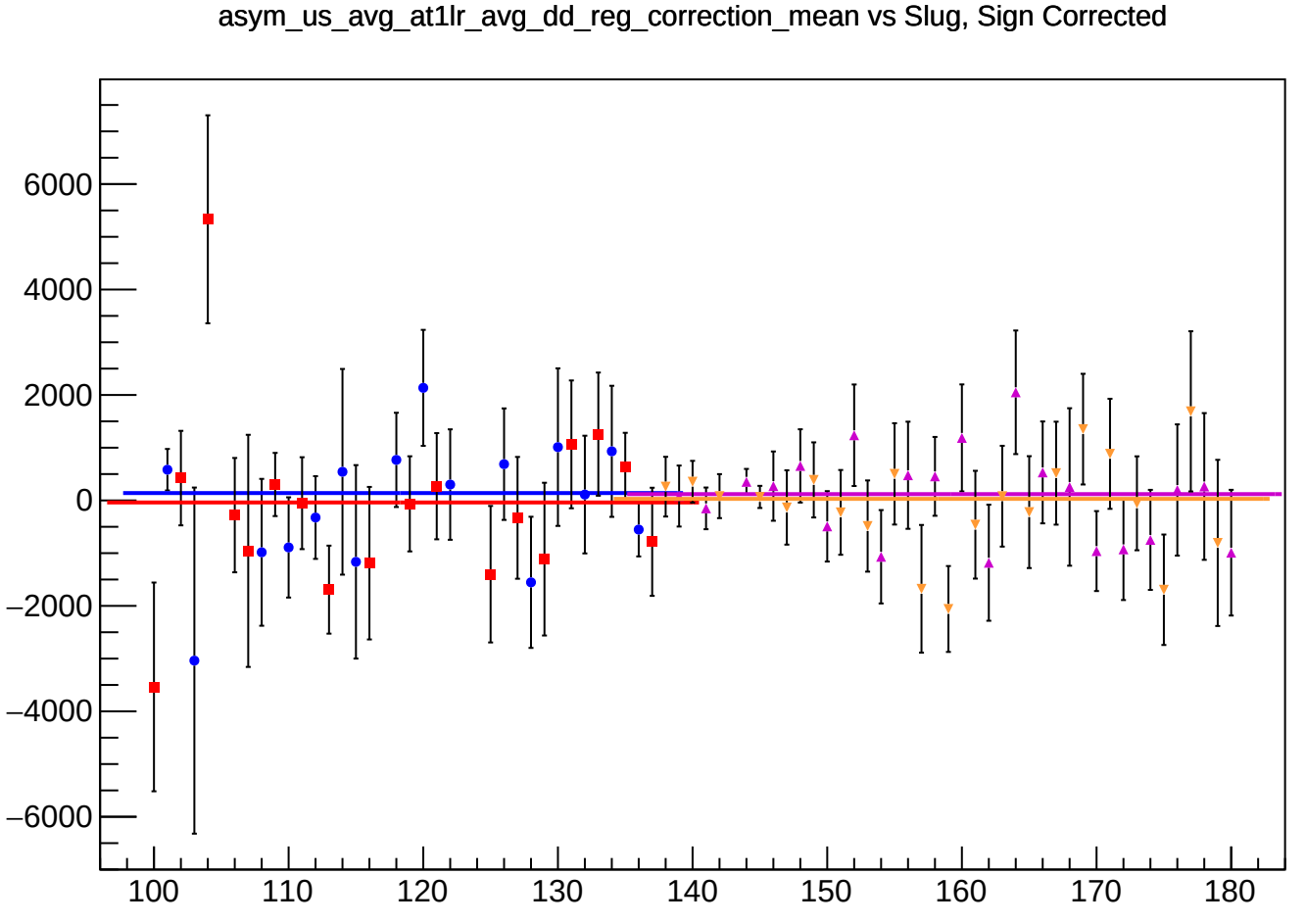
Left: 1733.614+/-0.210 χ^2/NDF: 2893.7/41

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

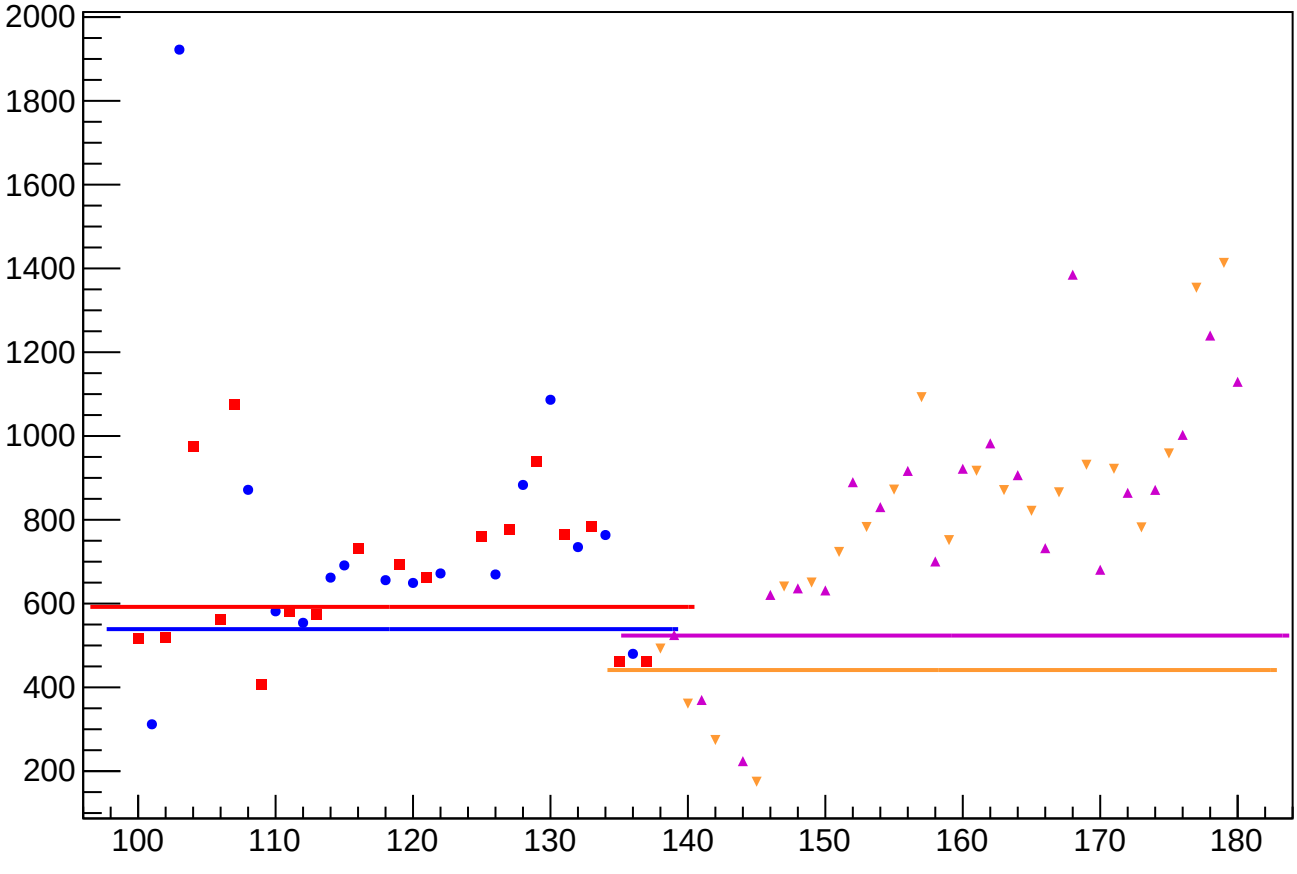
In: 1767.836+/-0.254 χ^2/NDF:725458.3/36

Out: 1775.548+/-0.258 χ^2/NDF:328126.0/38

All: 1771.641+/-0.181 χ^2/NDF: 1054037.6/75


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 139.799+/-220.100 χ²/NDF: 13.5/15
Left Out: 29.547+/-132.567 χ²/NDF:17.4/20
Right Out: -38.629+/-238.253 χ²/NDF: 21.4/17
Left In: 119.759+/-144.904 χ²/NDF:16.7/20
Left: 70.650+/-97.810 χ²/NDF: 34.3/41
Right: 57.640+/-161.672 χ²/NDF: 35.2/33
In: 125.818+/-121.030 χ²/NDF:30.1/36
Out: 13.430+/-115.842 χ²/NDF:38.9/38
All: 67.164+/-83.687 χ²/NDF: 69.5/75

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: 441.361+/-0.094 χ^2/NDF:10396318.1/20

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 523.641+/-0.102 χ^2/NDF:7959697.0/20

Left: 478.850+/-0.069 χ^2/NDF: 18707046.8/41

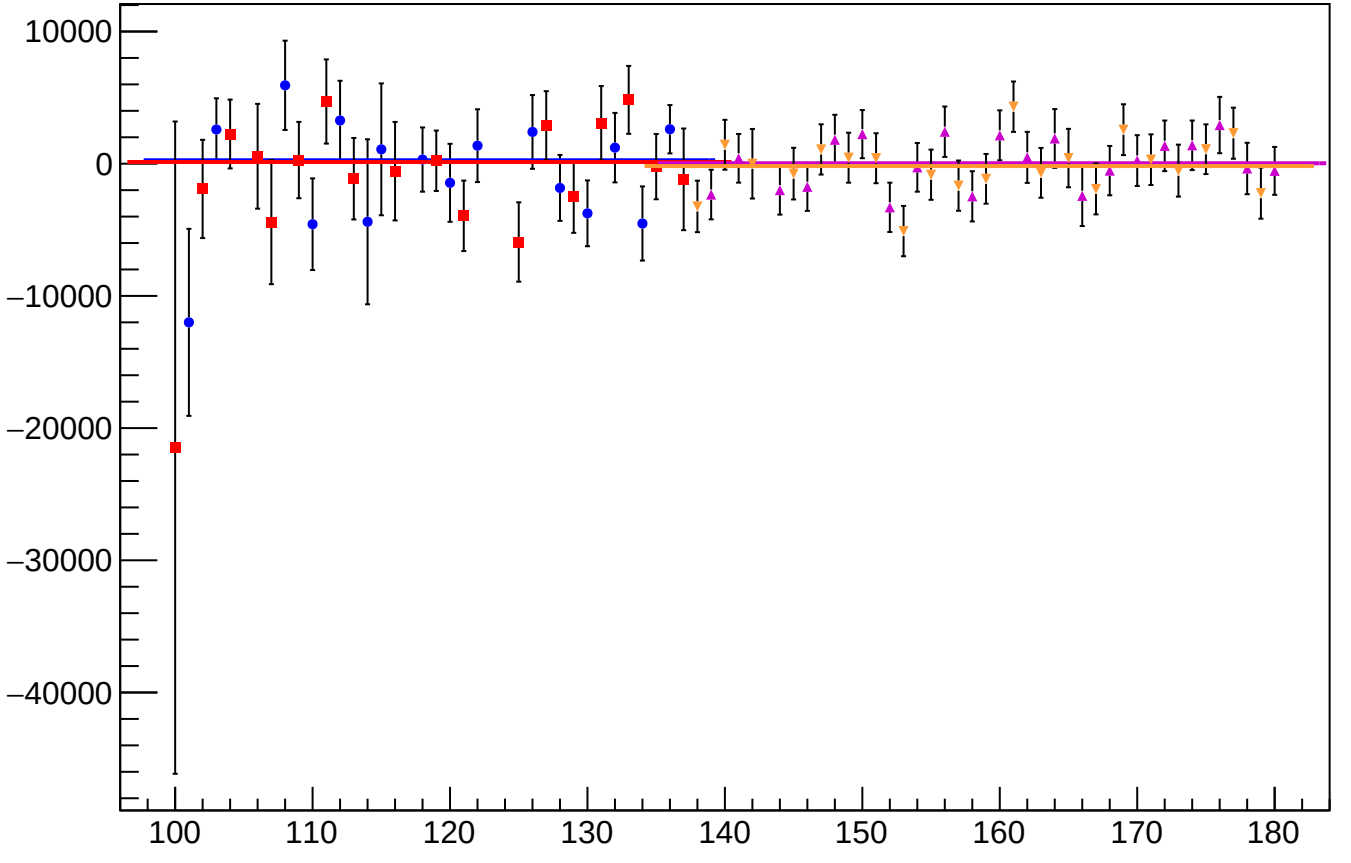
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 528.290+/-0.086 χ^2/NDF:9821082.5/36

Out: 476.997+/-0.082 χ^2/NDF:11850706.7/38

All: 501.521+/-0.059 χ^2/NDF: 21859261.5/75

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 34.409+/-417.479 χ^2/NDF:18.9/20

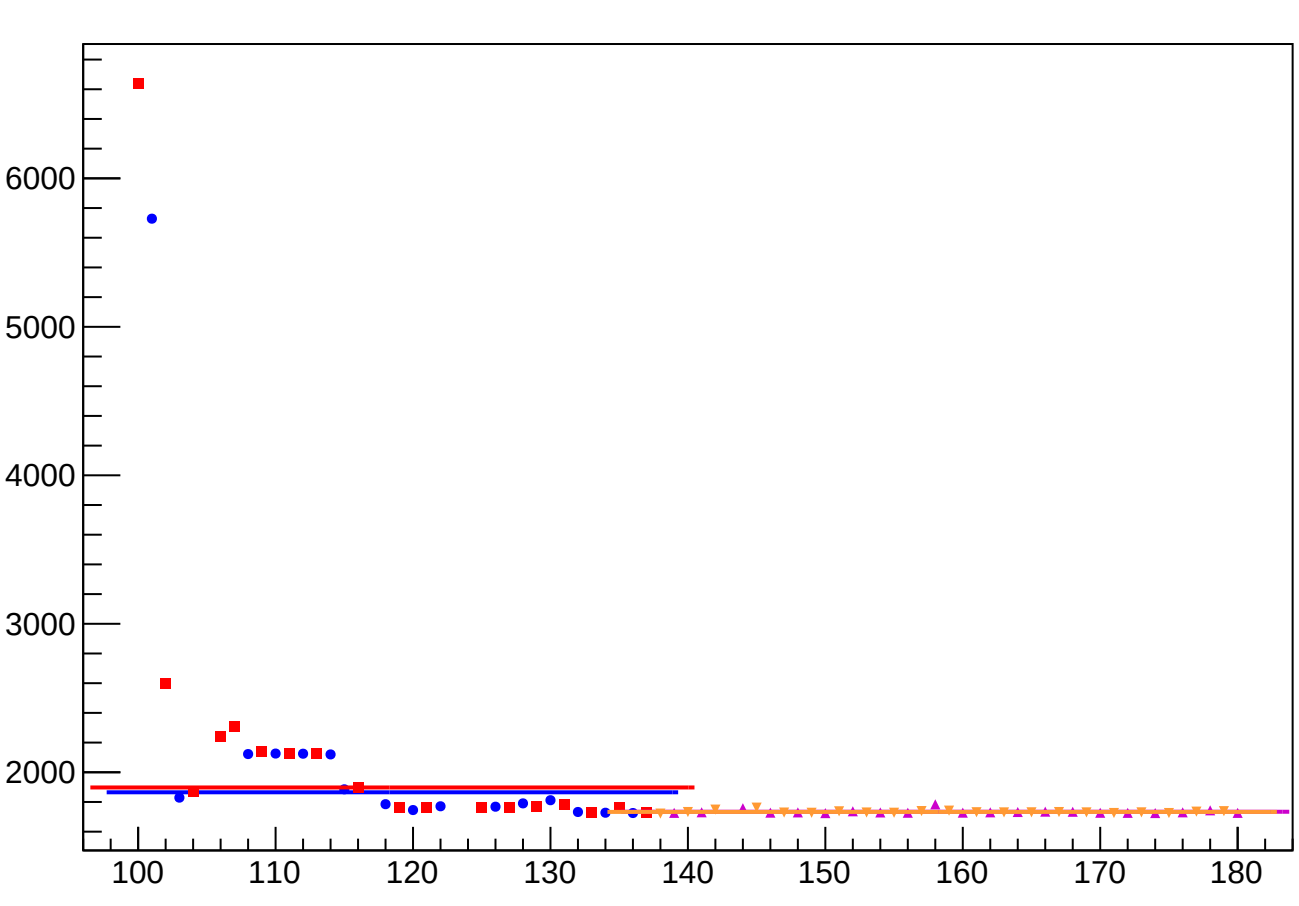
Left: -69.681+/-297.622 χ^2/NDF: 42.5/41

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 92.323+/-359.838 χ^2/NDF:38.4/36

Out: -96.978+/-364.787 χ^2/NDF:41.6/38

All: -1.034+/-256.176 χ^2/NDF: 80.2/75



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

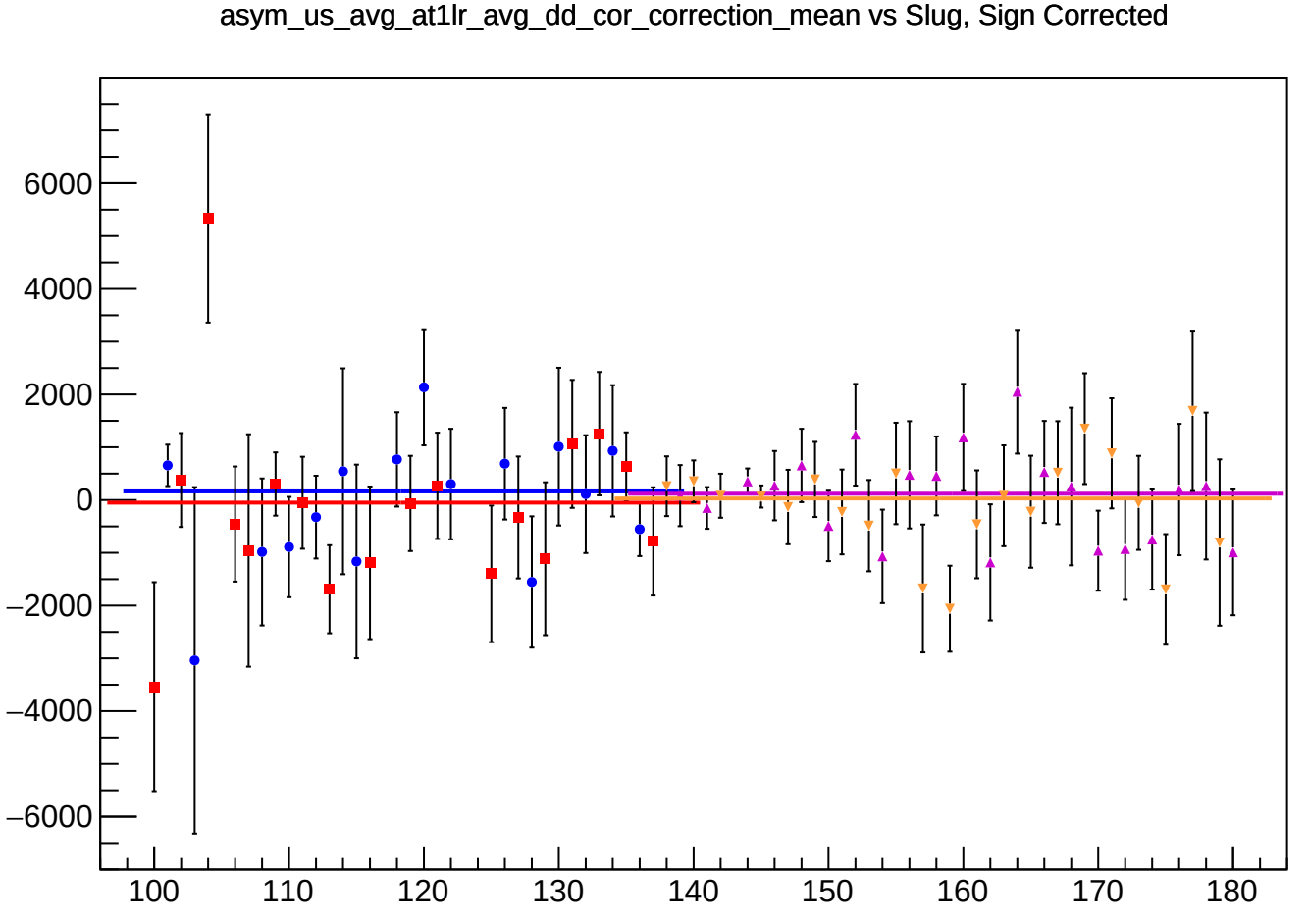
Left: 1733.614+/-0.210 χ^2/NDF: 2893.7/41

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1767.836+/-0.254 χ^2/NDF:725458.1/36

Out: 1776.065+/-0.258 χ^2/NDF:337154.5/38

All: 1771.894+/-0.181 χ^2/NDF: 1063128.4/75



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 29.431+/-132.569 χ^2/NDF:17.4/20

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 119.731+/-144.904 χ^2/NDF:16.7/20

Left: 70.575+/-97.811 χ^2/NDF: 34.3/41

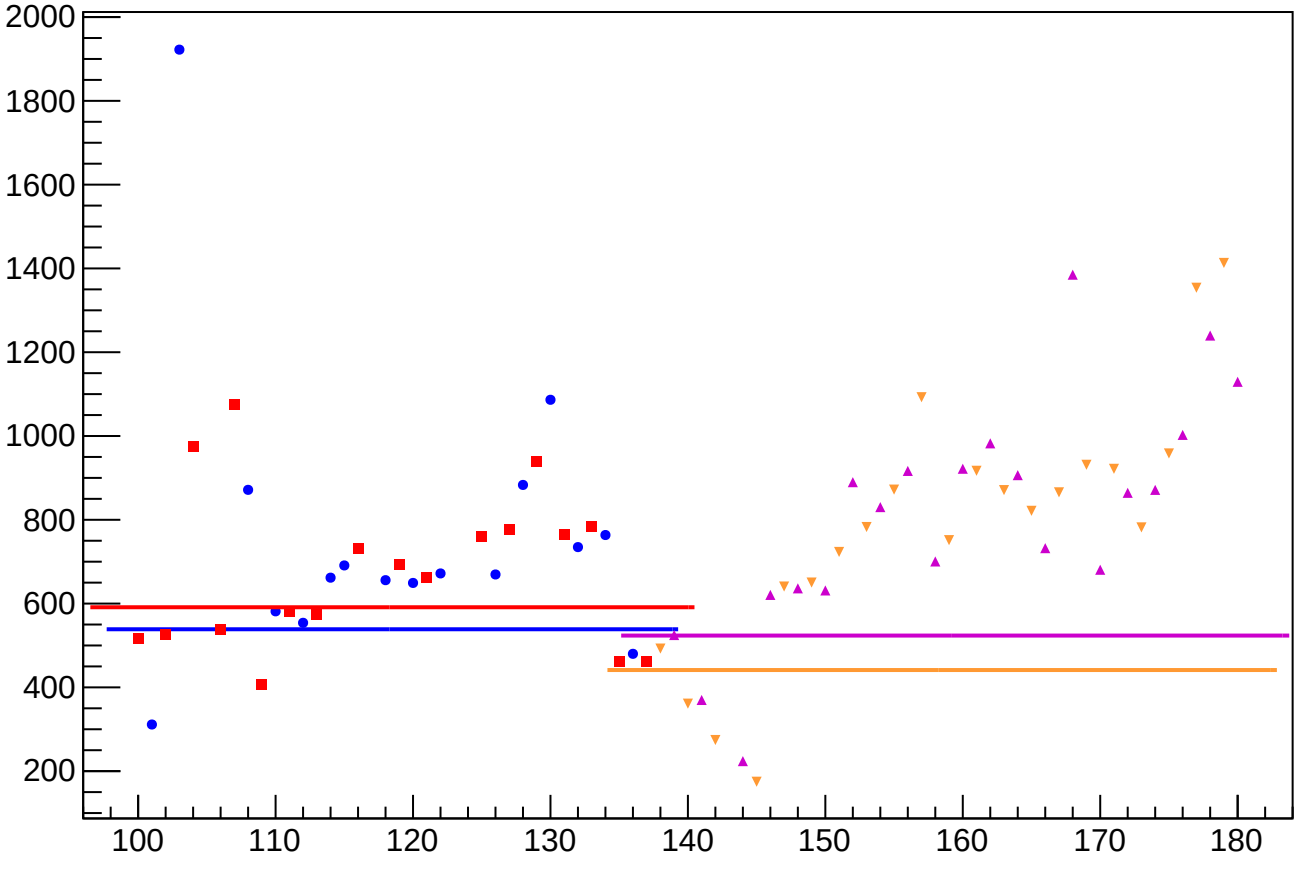
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 132.866+/-121.017 χ^2/NDF:30.6/36

Out: 10.737+/-115.837 χ^2/NDF:39.0/38

All: 69.132+/-83.681 χ^2/NDF: 70.1/75

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: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

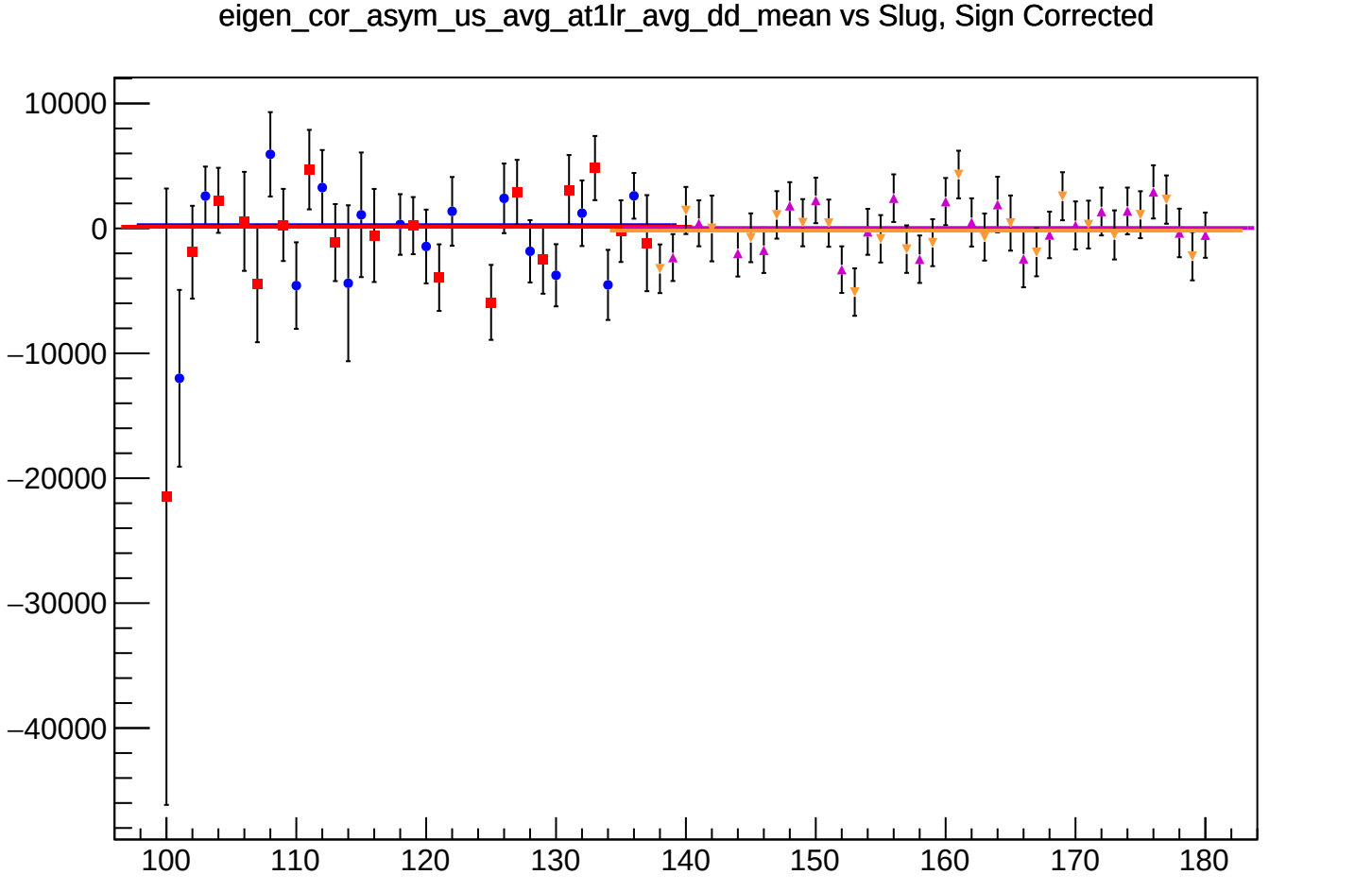
Left: 478.859+/-0.069 χ^2/NDF: 18706116.6/41

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 528.203+/-0.086 χ^2/NDF:9824610.0/36

Out: 476.815+/-0.082 χ^2/NDF:11844962.1/38

All: 501.385+/-0.059 χ^2/NDF: 21857768.0/75



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 34.409+/-417.479 χ^2/NDF:18.9/20

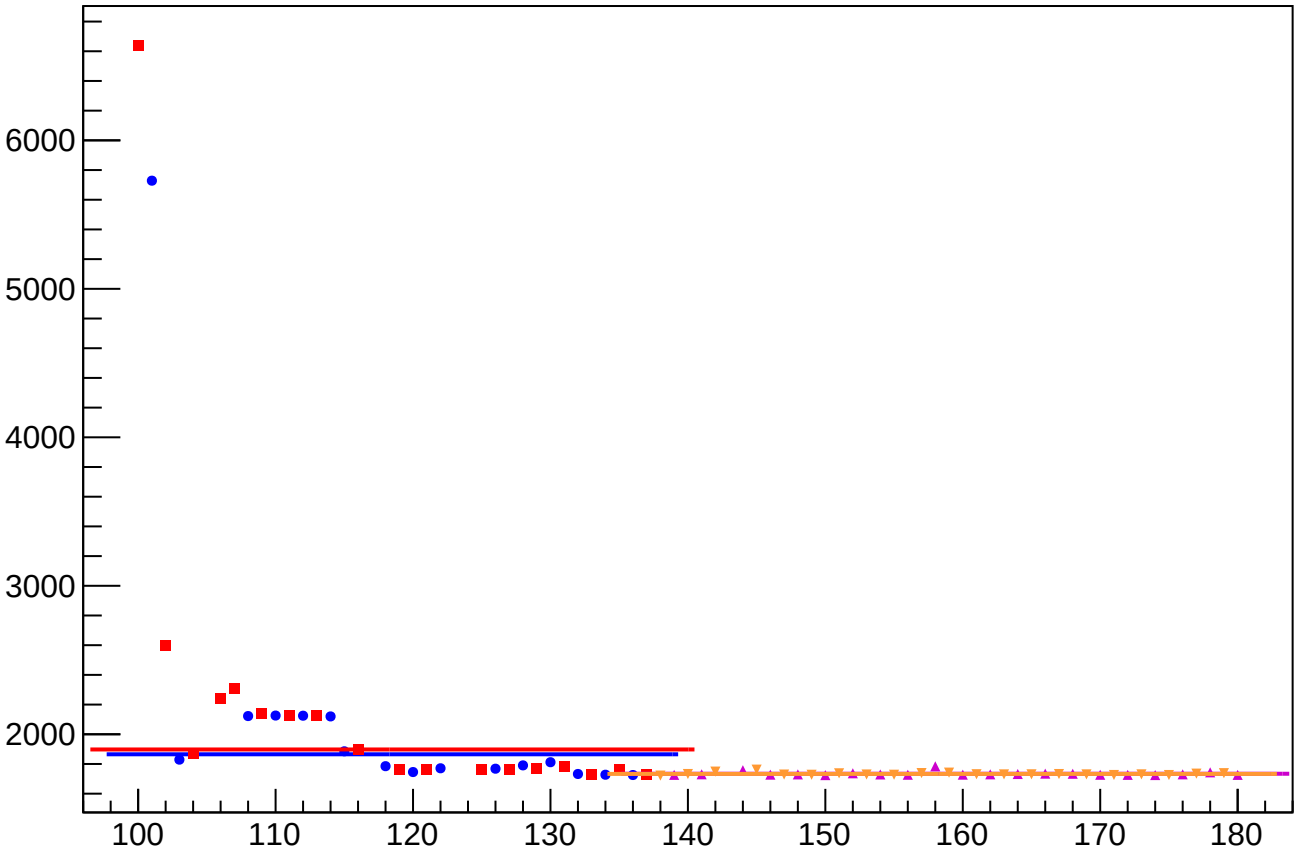
Left: -69.681+/-297.622 χ^2/NDF: 42.5/41

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 92.323+/-359.838 χ^2/NDF:38.4/36

Out: -96.978+/-364.787 χ^2/NDF:41.6/38

All: -1.034+/-256.176 χ^2/NDF: 80.2/75



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.155+/-0.295 χ^2/NDF:2096.2/20

Left: 1733.614+/-0.210 χ^2/NDF: 2893.7/41

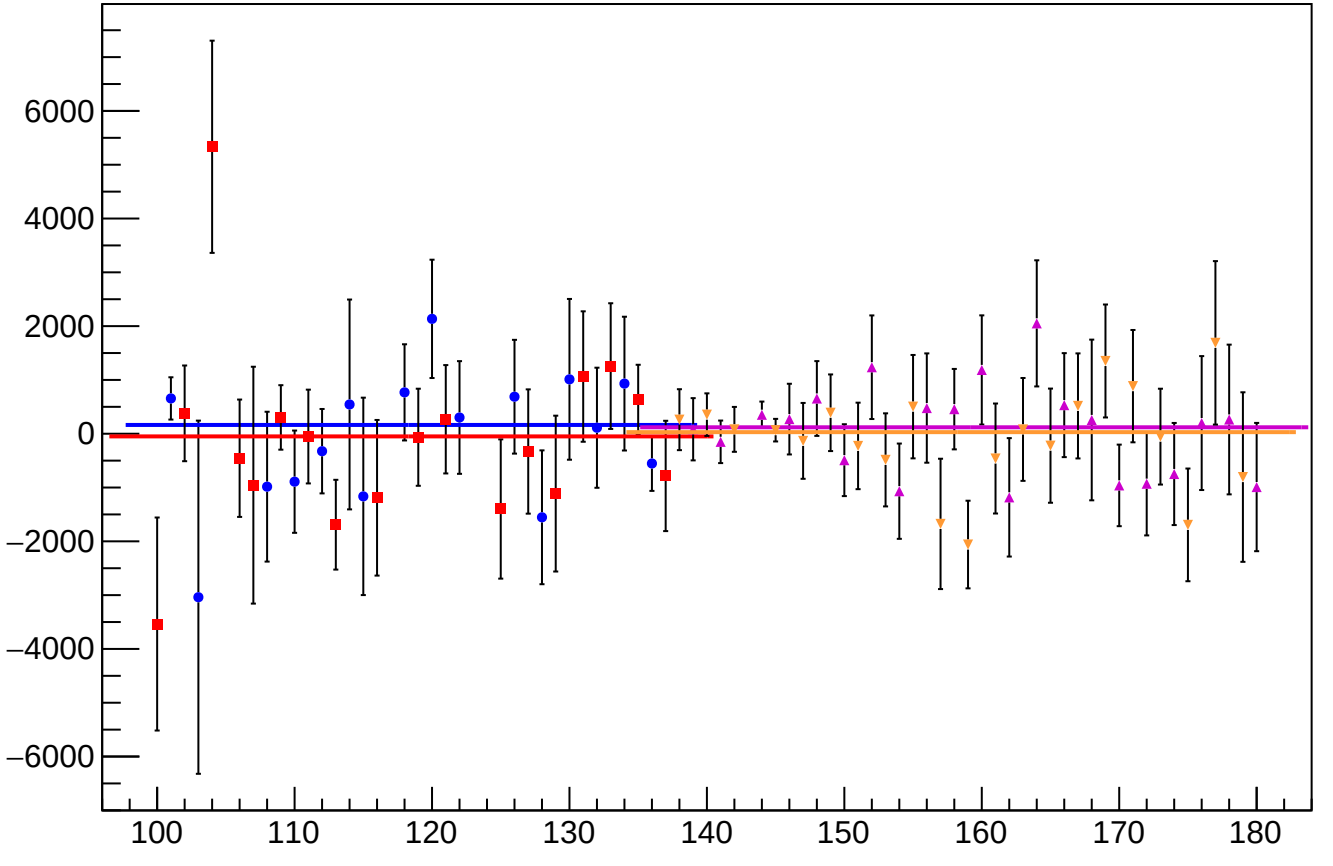
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1767.836+/-0.254 χ^2/NDF:725458.1/36

Out: 1776.065+/-0.258 χ^2/NDF:337154.5/38

All: 1771.894+/-0.181 χ^2/NDF: 1063128.4/75

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: 29.431+/-132.569 χ^2/NDF:17.4/20

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 119.731+/-144.904 χ^2/NDF:16.7/20

Left: 70.575+/-97.811 χ^2/NDF: 34.3/41

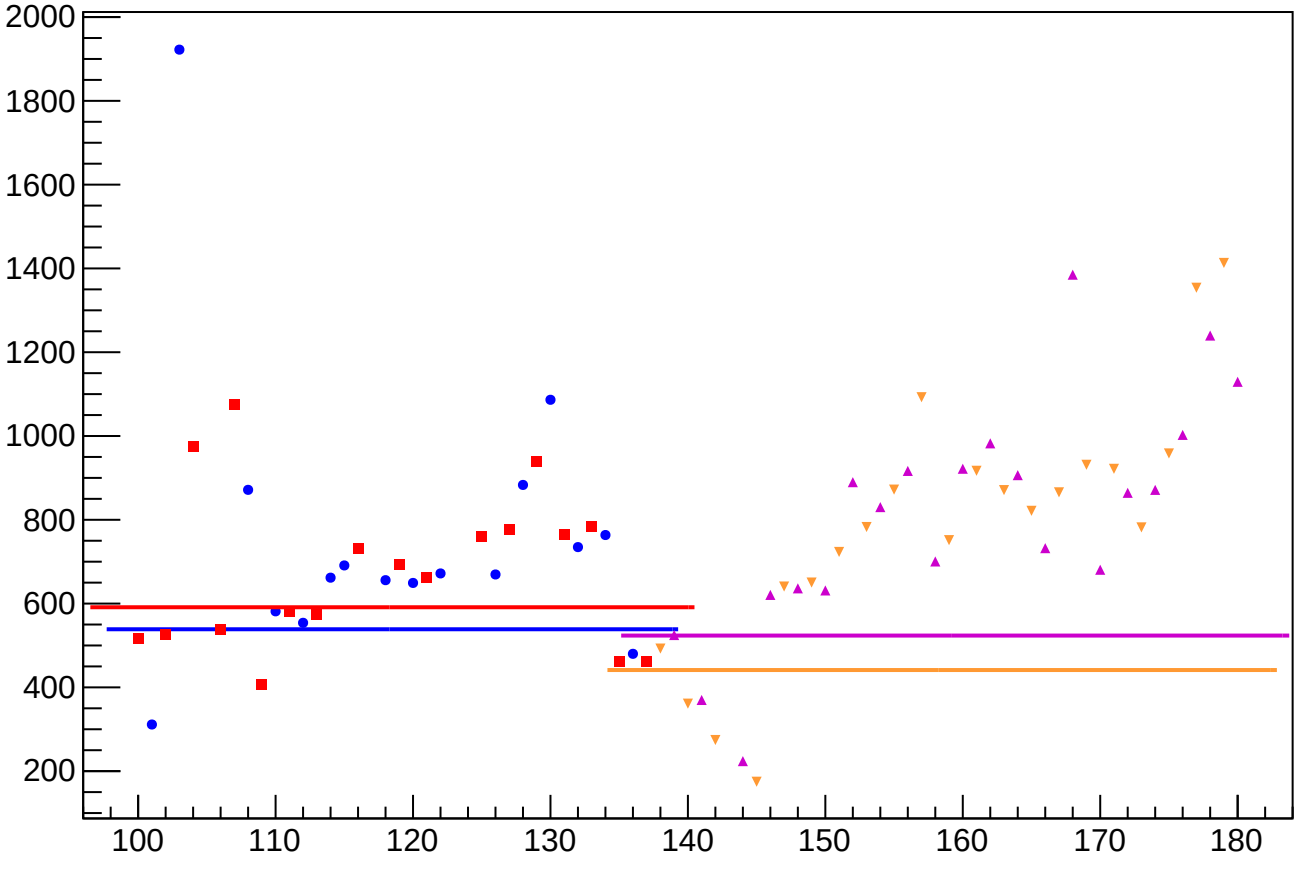
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 132.866+/-121.017 χ^2/NDF:30.6/36

Out: 10.737+/-115.837 χ^2/NDF:39.0/38

All: 69.132+/-83.681 χ^2/NDF: 70.1/75

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: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 523.648+/-0.102 χ^2/NDF:7959186.0/20

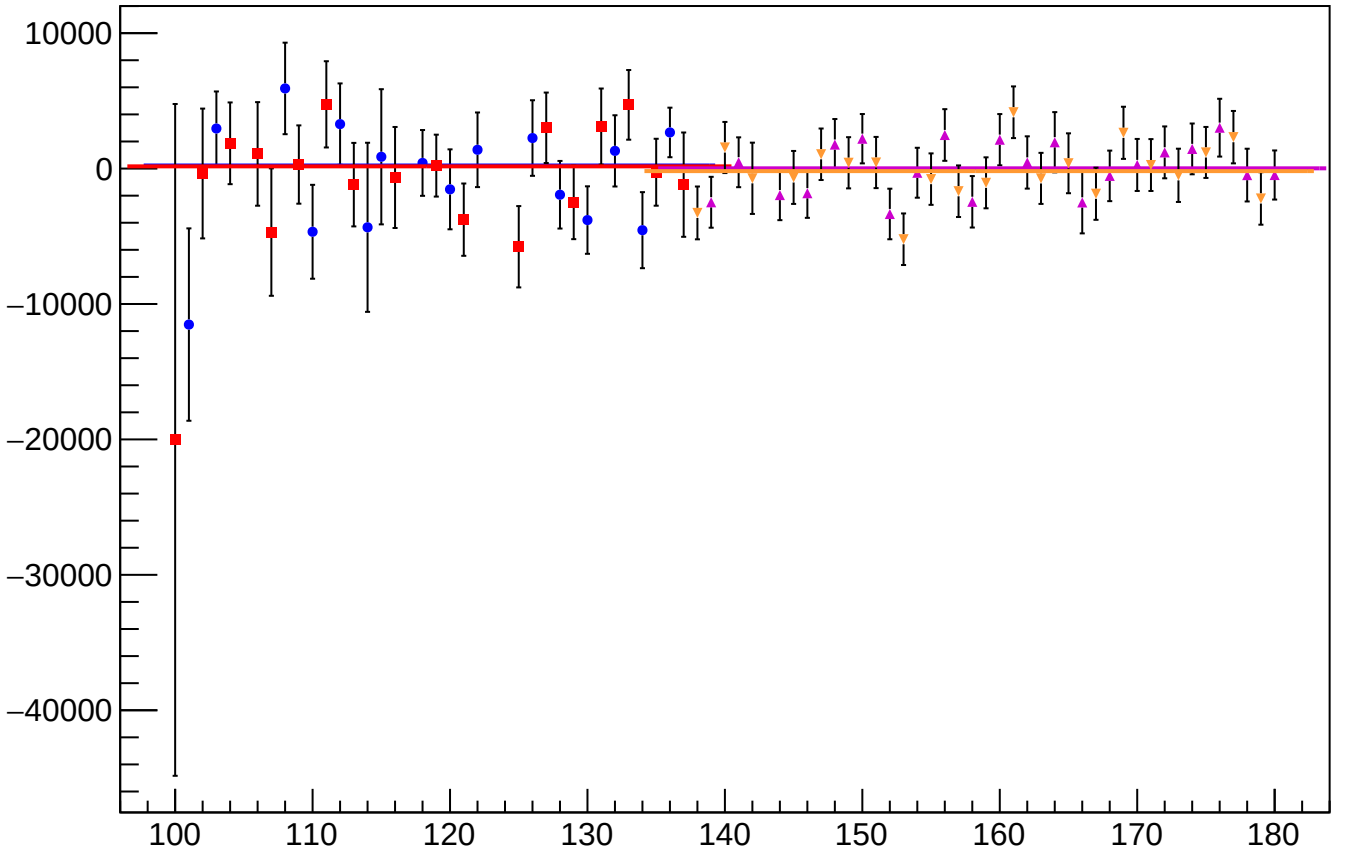
Left: 478.859+/-0.069 χ^2/NDF: 18706116.6/41

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 528.203+/-0.086 χ^2/NDF:9824610.0/36

Out: 476.815+/-0.082 χ^2/NDF:11844962.1/38

All: 501.385+/-0.059 χ^2/NDF: 21857768.0/75



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -187.090+/-424.727 χ^2/NDF:23.6/20

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 18.583+/-417.793 χ^2/NDF:19.4/20

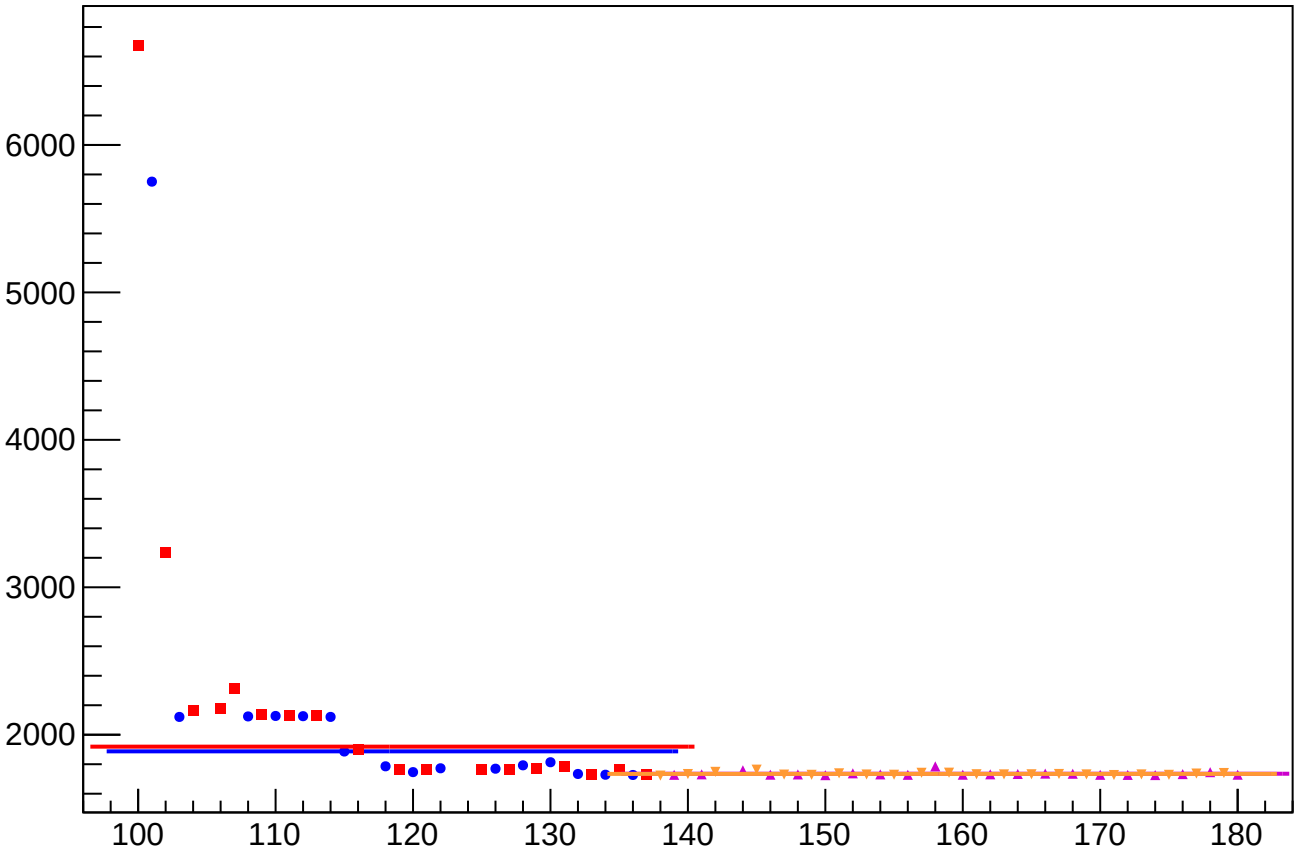
Left: -82.561+/-297.845 χ^2/NDF: 43.1/41

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 71.045+/-361.179 χ^2/NDF:38.9/36

Out: -97.605+/-366.574 χ^2/NDF:40.8/38

All: -12.030+/-257.278 χ^2/NDF: 79.8/75



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

Left: 1734.913+/-0.211 χ^2/NDF: 2900.8/41

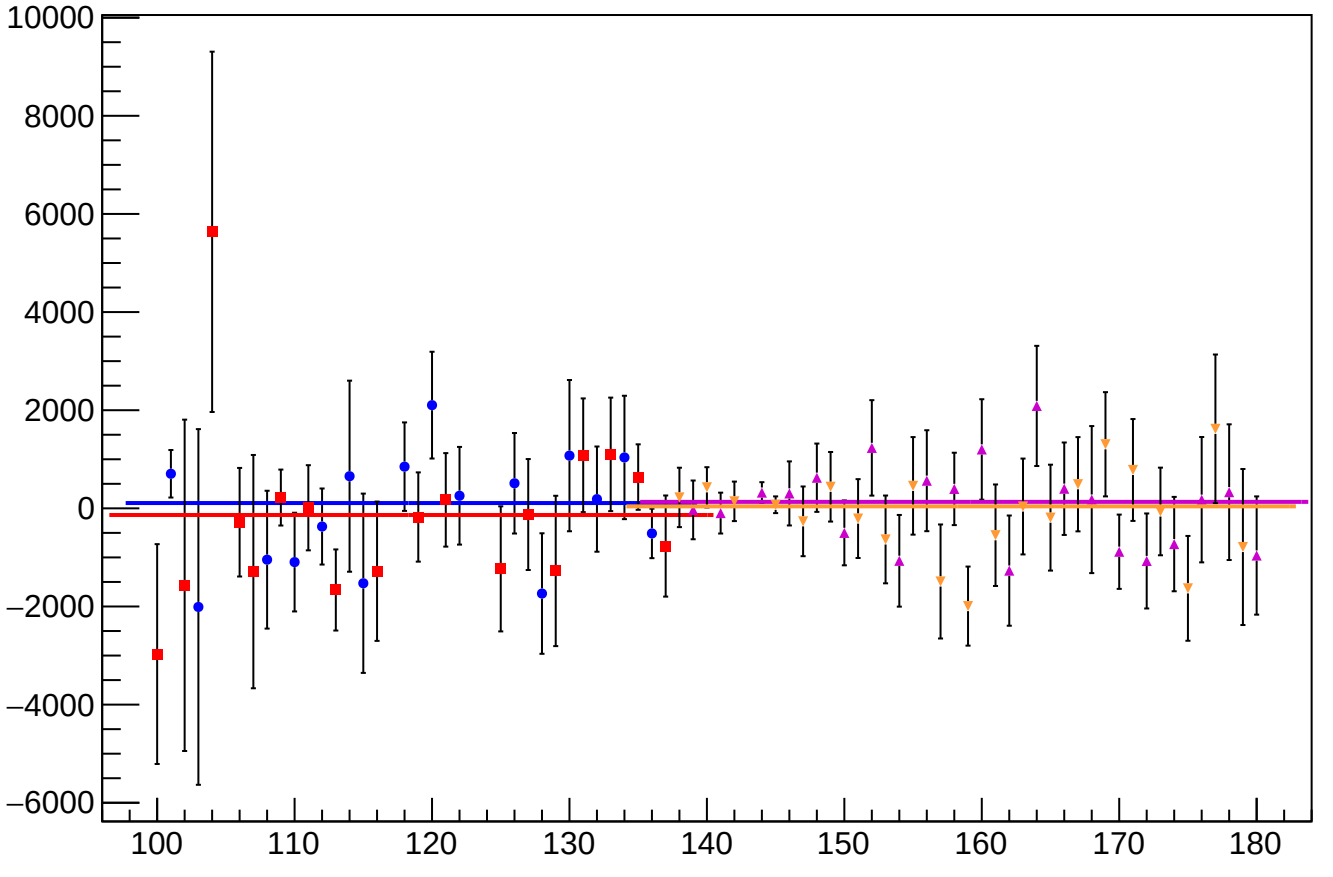
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1773.823+/-0.255 χ^2/NDF:758293.2/36

Out: 1781.495+/-0.259 χ^2/NDF:449963.8/38

All: 1777.602+/-0.182 χ^2/NDF: 1208701.5/75

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: 40.415+/-121.201 χ^2/NDF:16.9/20

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 131.994+/-138.489 χ^2/NDF:16.2/20

Left: 80.135+/-91.205 χ^2/NDF: 33.3/41

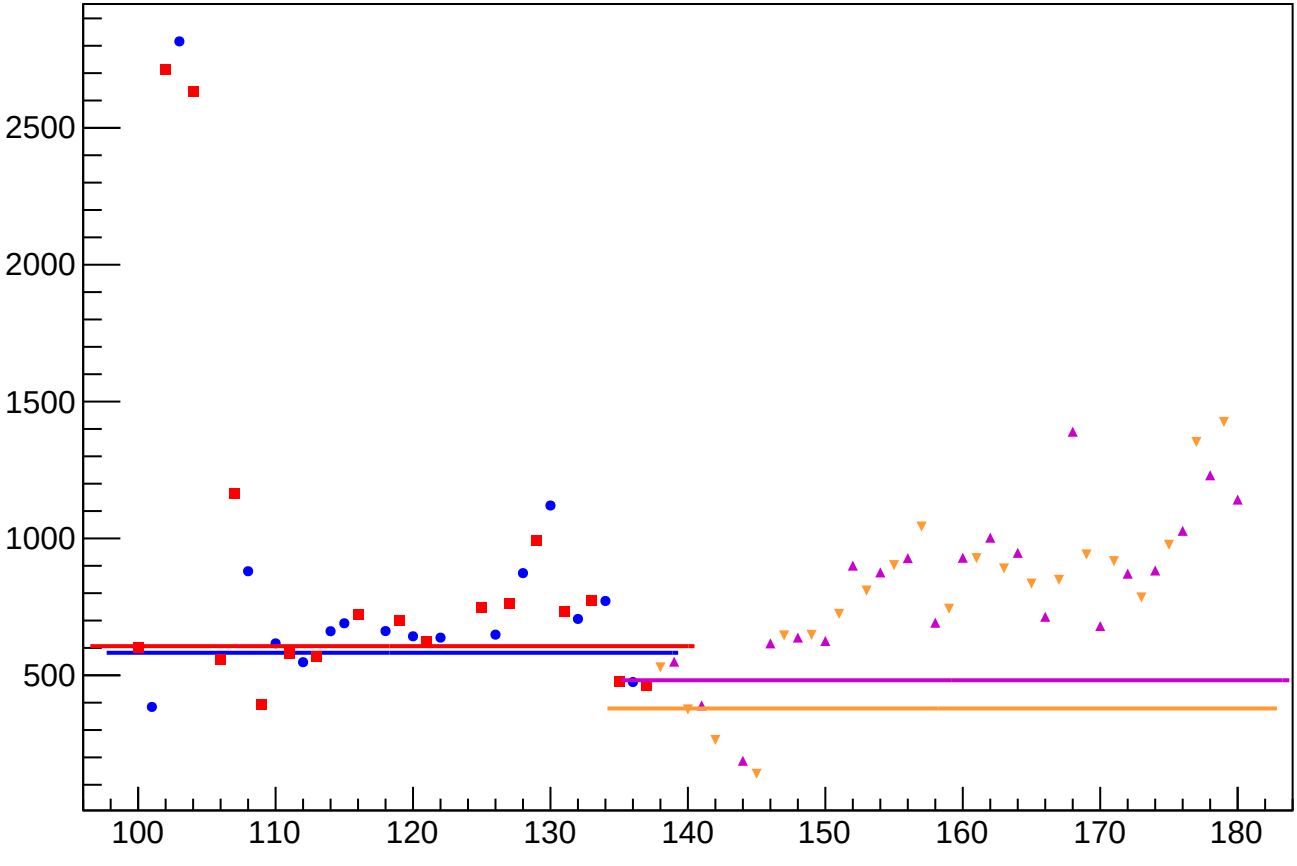
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 125.714+/-118.875 χ^2/NDF:30.3/36

Out: 6.067+/-108.716 χ^2/NDF:31.6/38

All: 60.560+/-80.225 χ^2/NDF: 62.5/75

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011937.2/20

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 481.827+/-0.098 χ^2/NDF:9825647.5/20

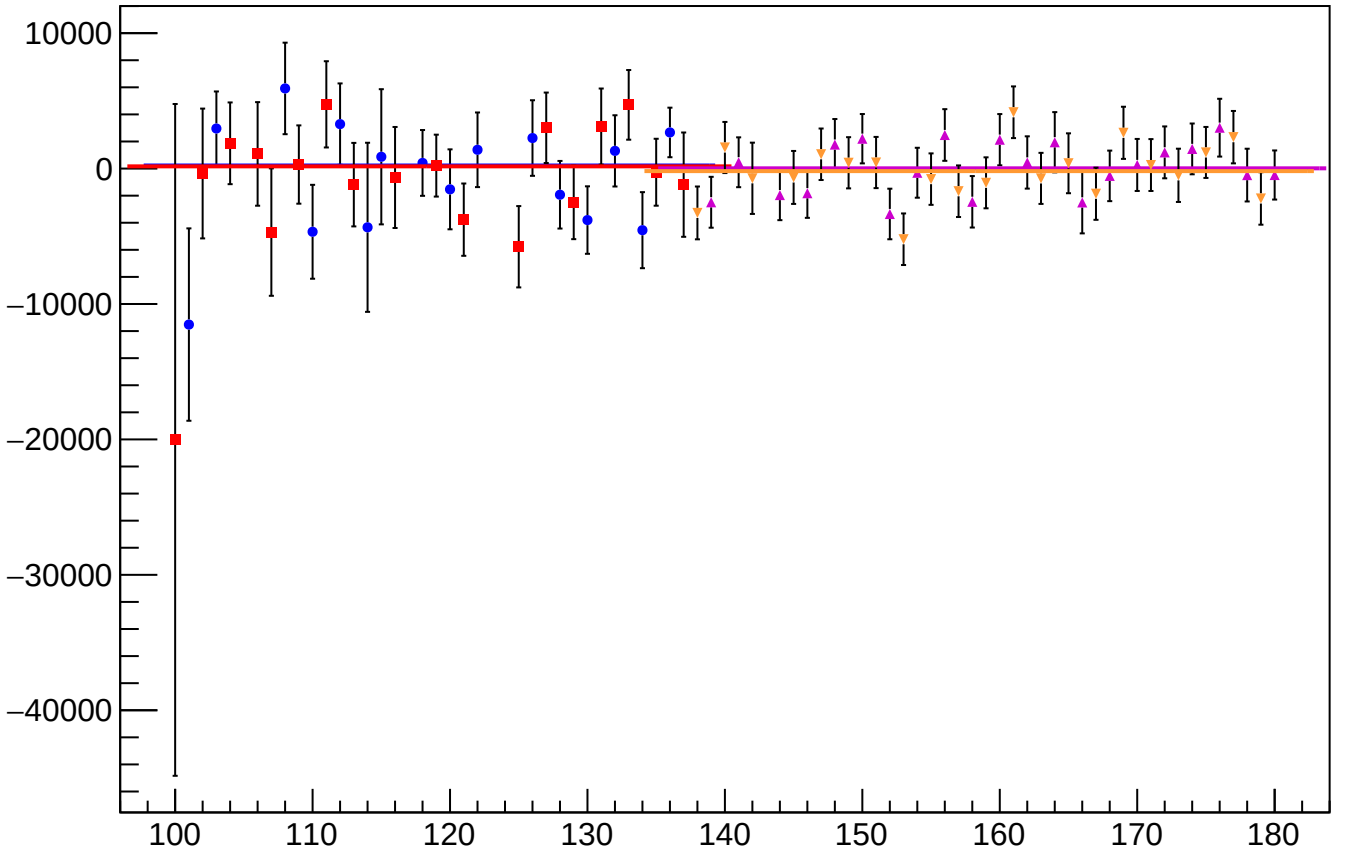
Left: 423.420+/-0.064 χ^2/NDF: 23465777.2/41

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 508.263+/-0.084 χ^2/NDF:11856853.9/36

Out: 423.194+/-0.077 χ^2/NDF:16590540.1/38

All: 461.939+/-0.057 χ^2/NDF: 29005140.9/75



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -187.093+/-424.727 χ^2/NDF:23.6/20

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 18.583+/-417.793 χ^2/NDF:19.4/20

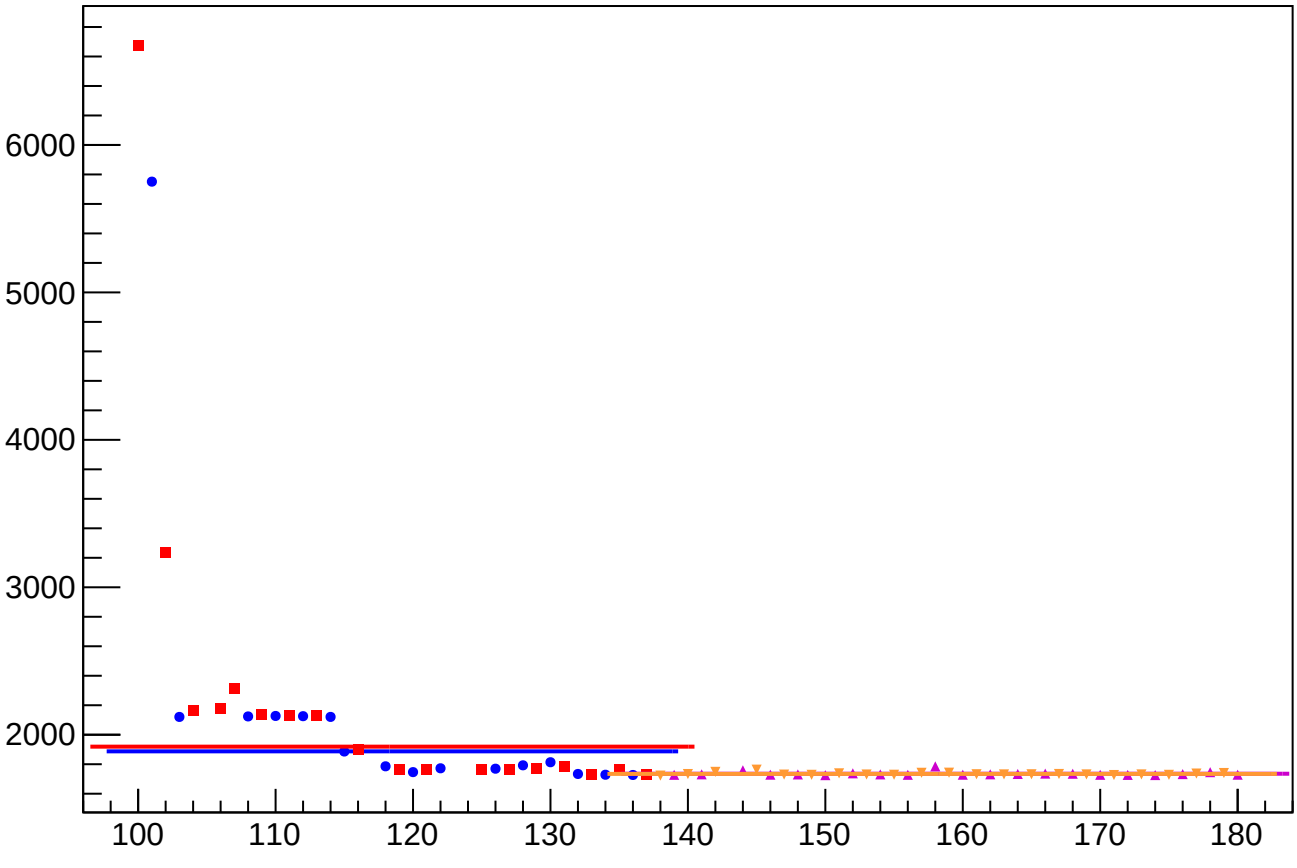
Left: -82.563+/-297.845 χ^2/NDF: 43.1/41

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 71.045+/-361.179 χ^2/NDF:38.9/36

Out: -97.607+/-366.574 χ^2/NDF:40.8/38

All: -12.031+/-257.278 χ^2/NDF: 79.8/75



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.457+/-0.295 χ^2/NDF:2095.9/20

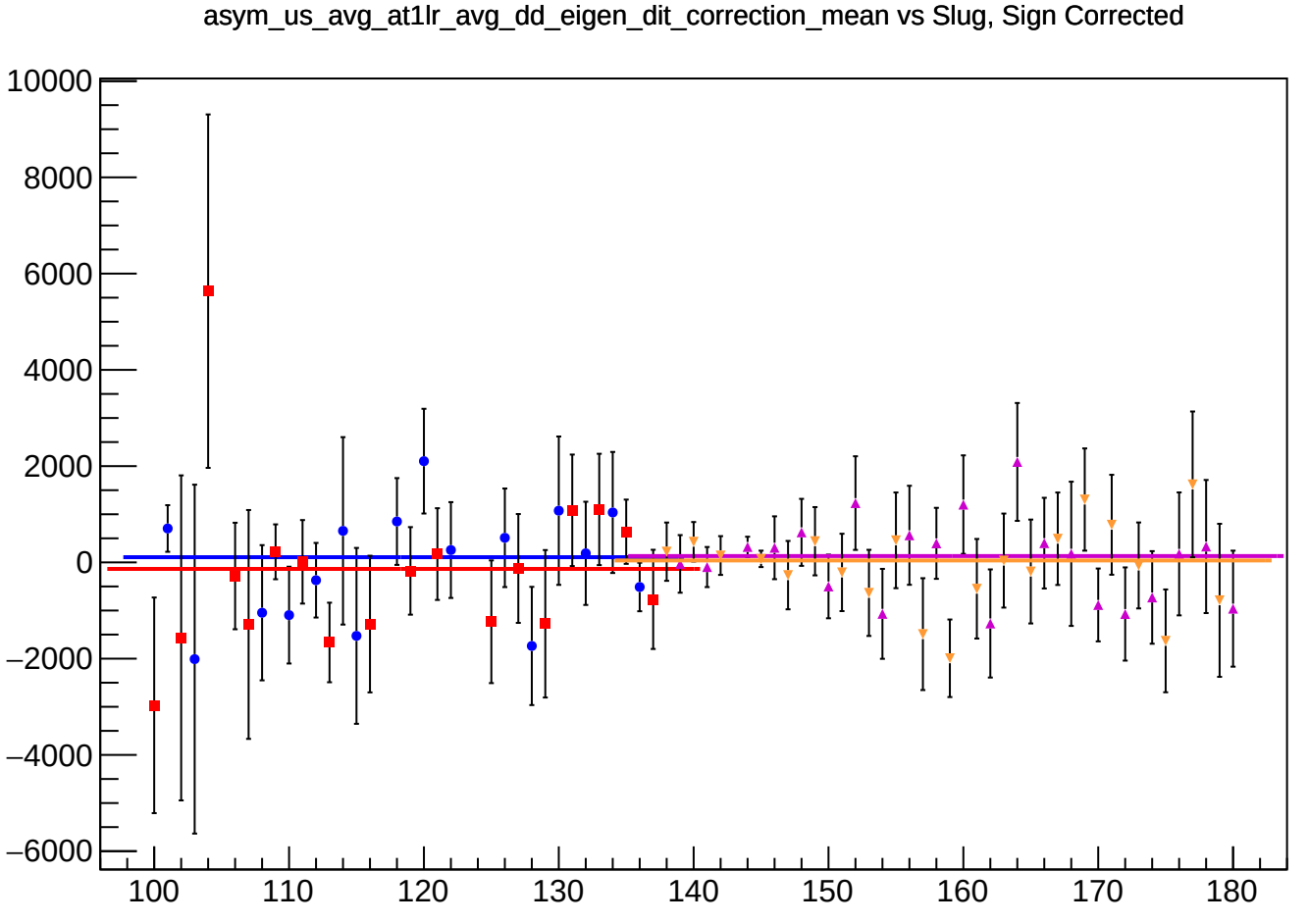
Left: 1734.913+/-0.211 χ^2/NDF: 2900.8/41

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1773.823+/-0.255 χ^2/NDF:758292.8/36

Out: 1781.495+/-0.259 χ^2/NDF:449962.9/38

All: 1777.602+/-0.182 χ^2/NDF: 1208700.2/75



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 40.414+/-121.201 χ^2/NDF:16.9/20

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 131.995+/-138.489 χ^2/NDF:16.2/20

Left: 80.134+/-91.205 χ^2/NDF: 33.3/41

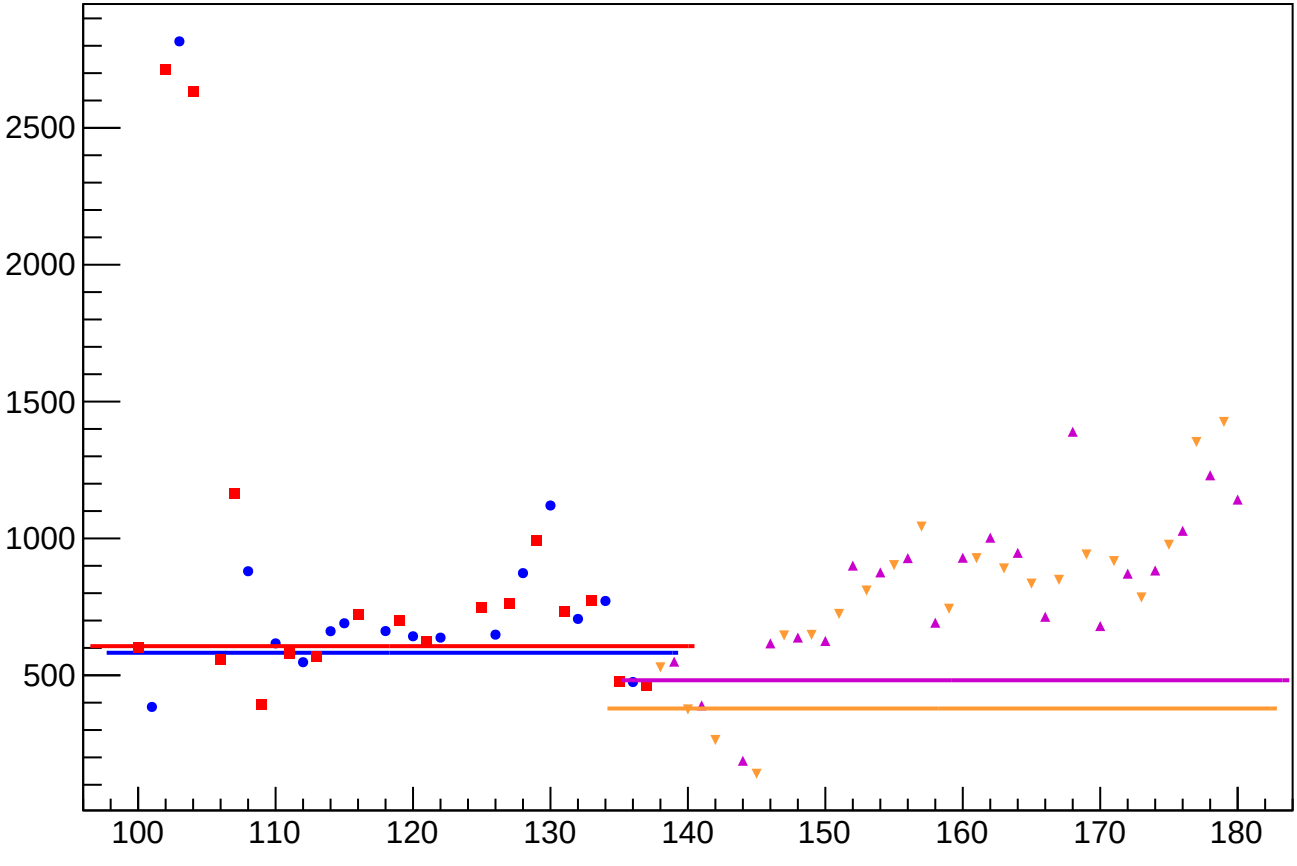
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 125.713+/-118.875 χ^2/NDF:30.3/36

Out: 6.066+/-108.716 χ^2/NDF:31.6/38

All: 60.559+/-80.225 χ^2/NDF: 62.5/75

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: 378.686+/-0.086 χ^2/NDF:13011978.4/20

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 481.827+/-0.098 χ^2/NDF:9825671.5/20

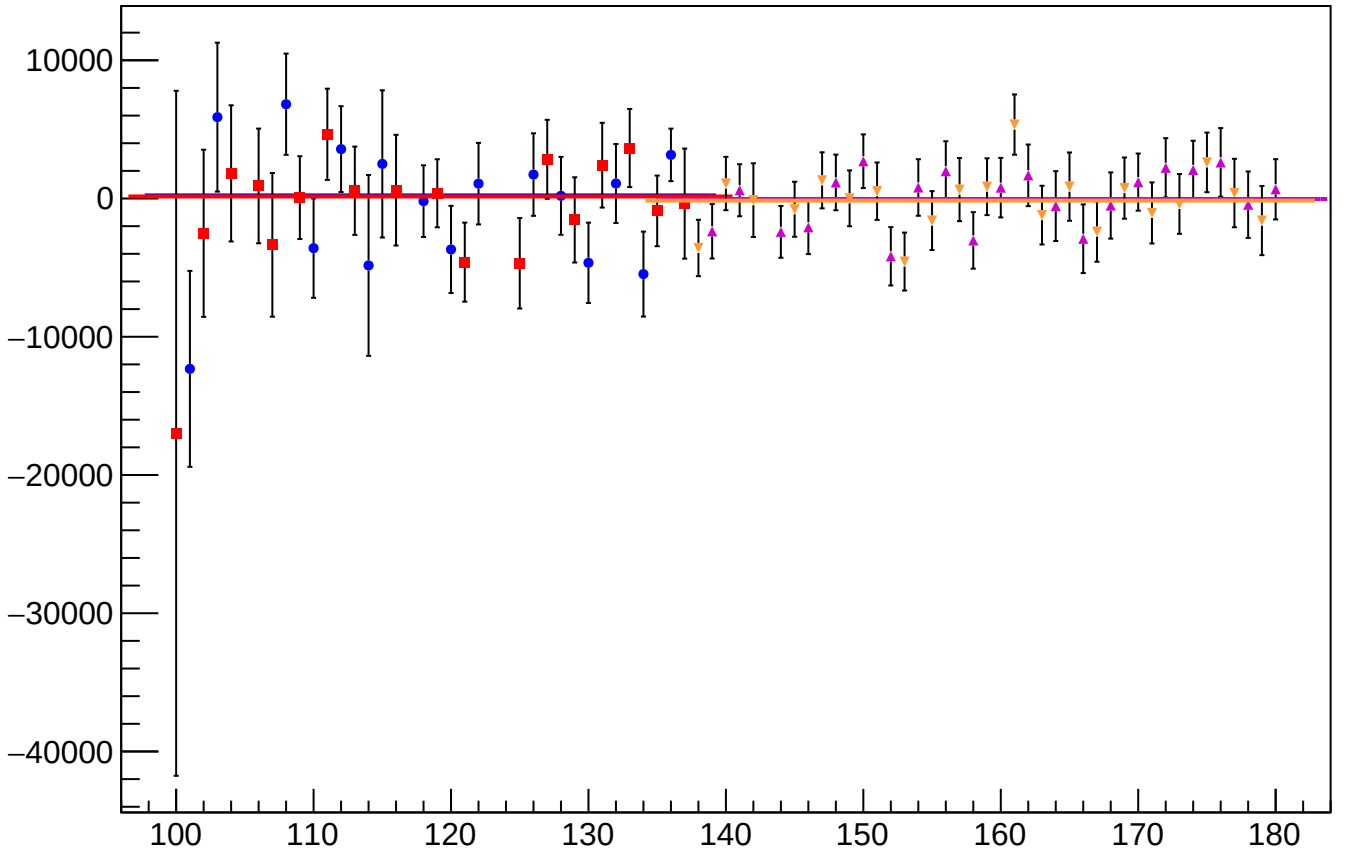
Left: 423.421+/-0.064 χ^2/NDF: 23465848.5/41

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 508.264+/-0.084 χ^2/NDF:11856853.6/36

Out: 423.193+/-0.077 χ^2/NDF:16590562.6/38

All: 461.939+/-0.057 χ^2/NDF: 29005169.5/75



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -150.756+/-473.231 χ^2/NDF:19.4/20

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -32.875+/-463.687 χ^2/NDF:19.5/20

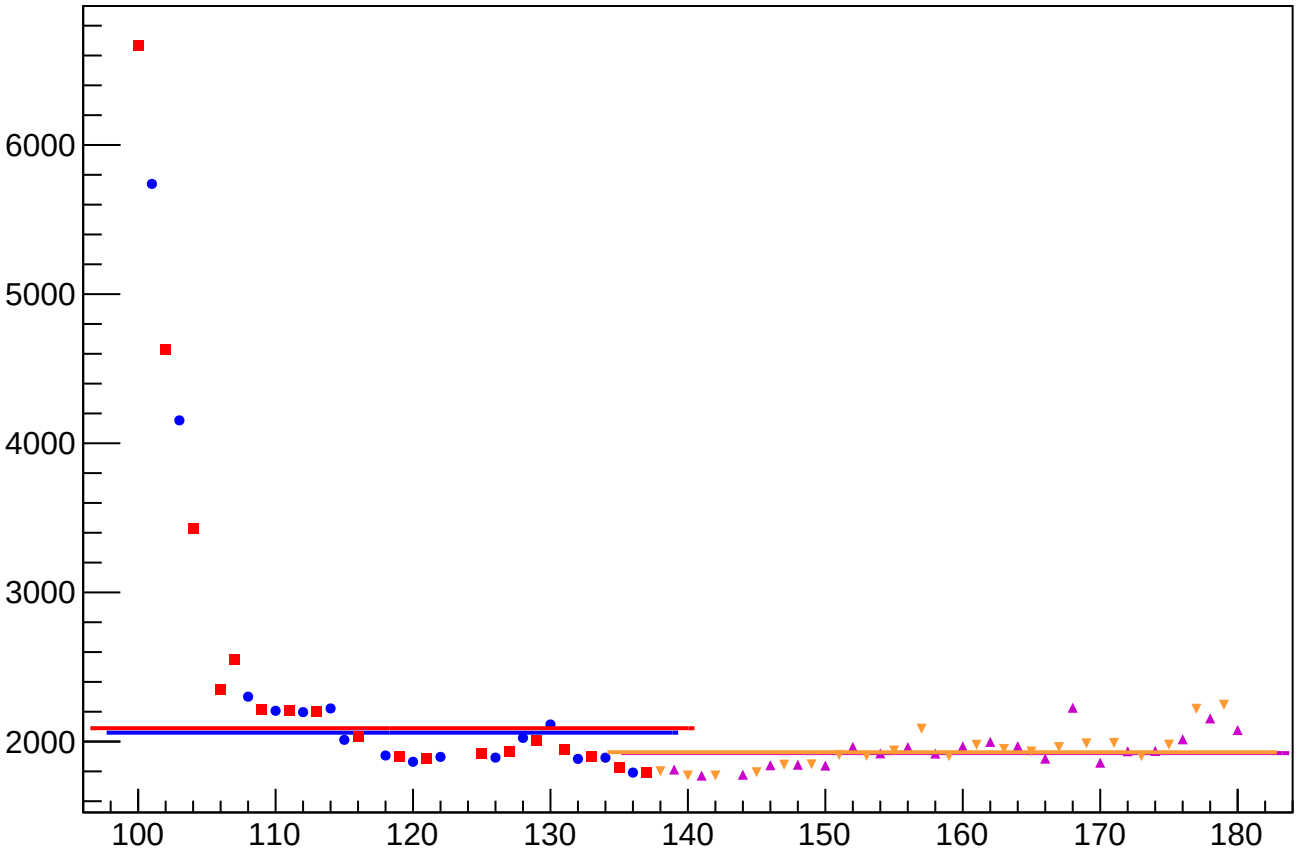
Left: -90.615+/-331.199 χ^2/NDF: 38.9/41

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 32.871+/-400.110 χ^2/NDF:40.8/36

Out: -72.480+/-406.530 χ^2/NDF:31.1/38

All: -18.966+/-285.163 χ^2/NDF: 71.9/75



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1928.233+/-0.335 χ^2/NDF:120049.3/20

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1922.590+/-0.328 χ^2/NDF:112890.5/20

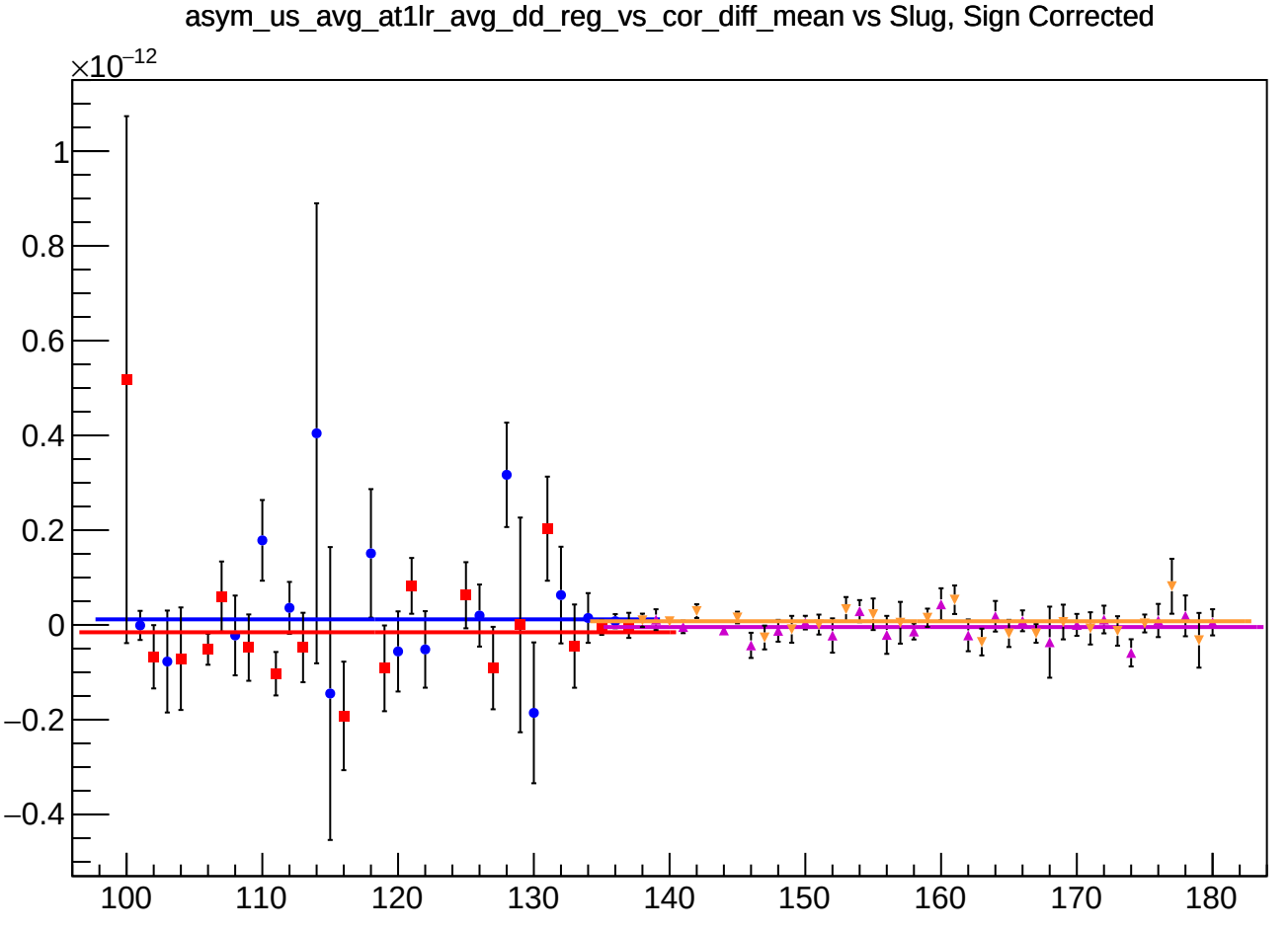
Left: 1925.354+/-0.234 χ^2/NDF: 233084.8/41

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1957.560+/-0.283 χ^2/NDF:1097297.4/36

Out: 1970.483+/-0.287 χ^2/NDF:862356.6/38

All: 1963.919+/-0.202 χ^2/NDF: 1960680.7/75



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/20

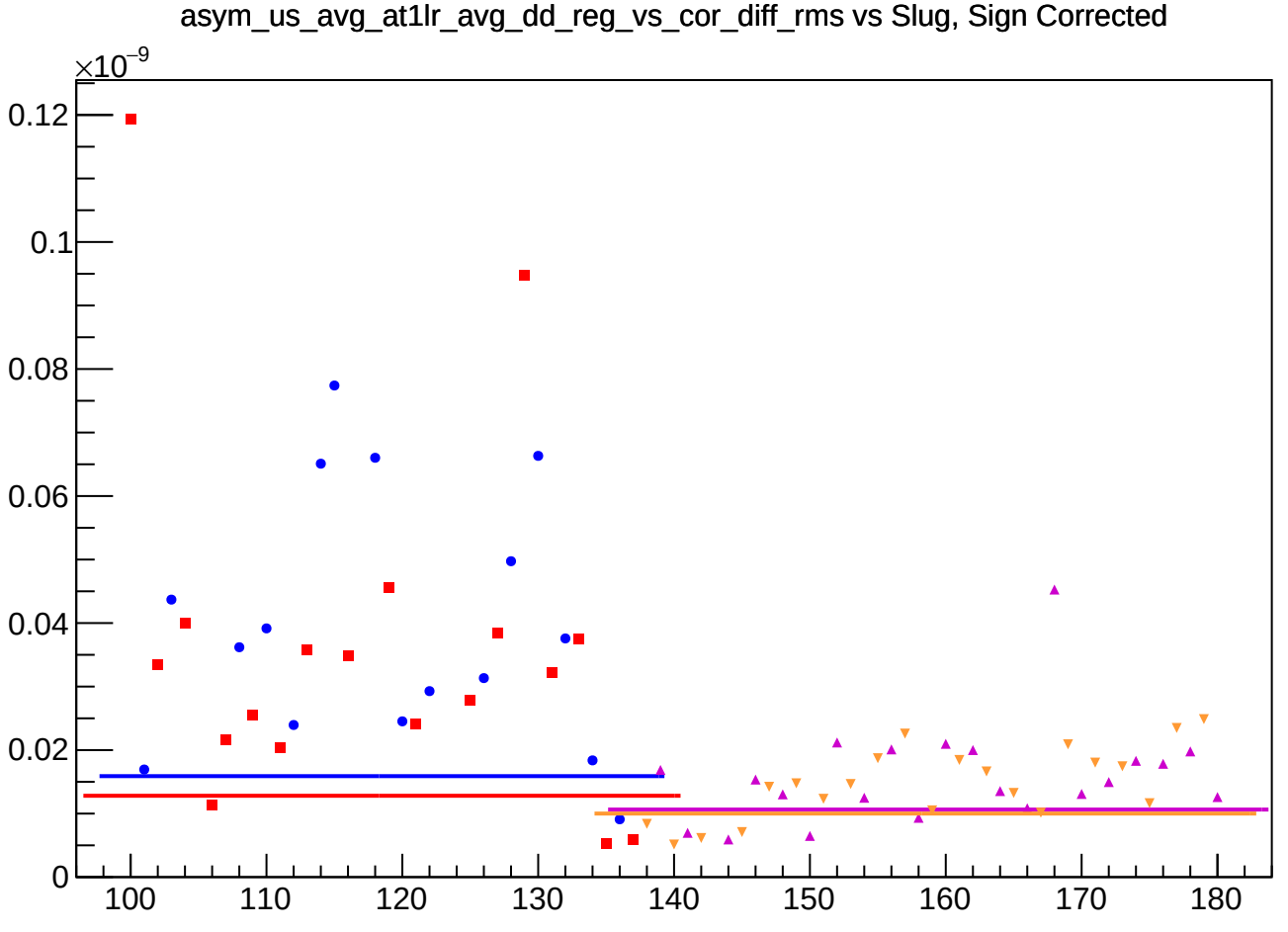
Left: 0.000+/-0.000 χ^2/NDF: 34.3/41

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:34.1/36

Out: 0.000+/-0.000 χ^2/NDF:41.0/38

All: 0.000+/-0.000 χ^2/NDF: 76.3/75



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2250395.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2573300.6/20

Left: 0.000+/-0.000 χ^2/NDF: 4842810.0/41

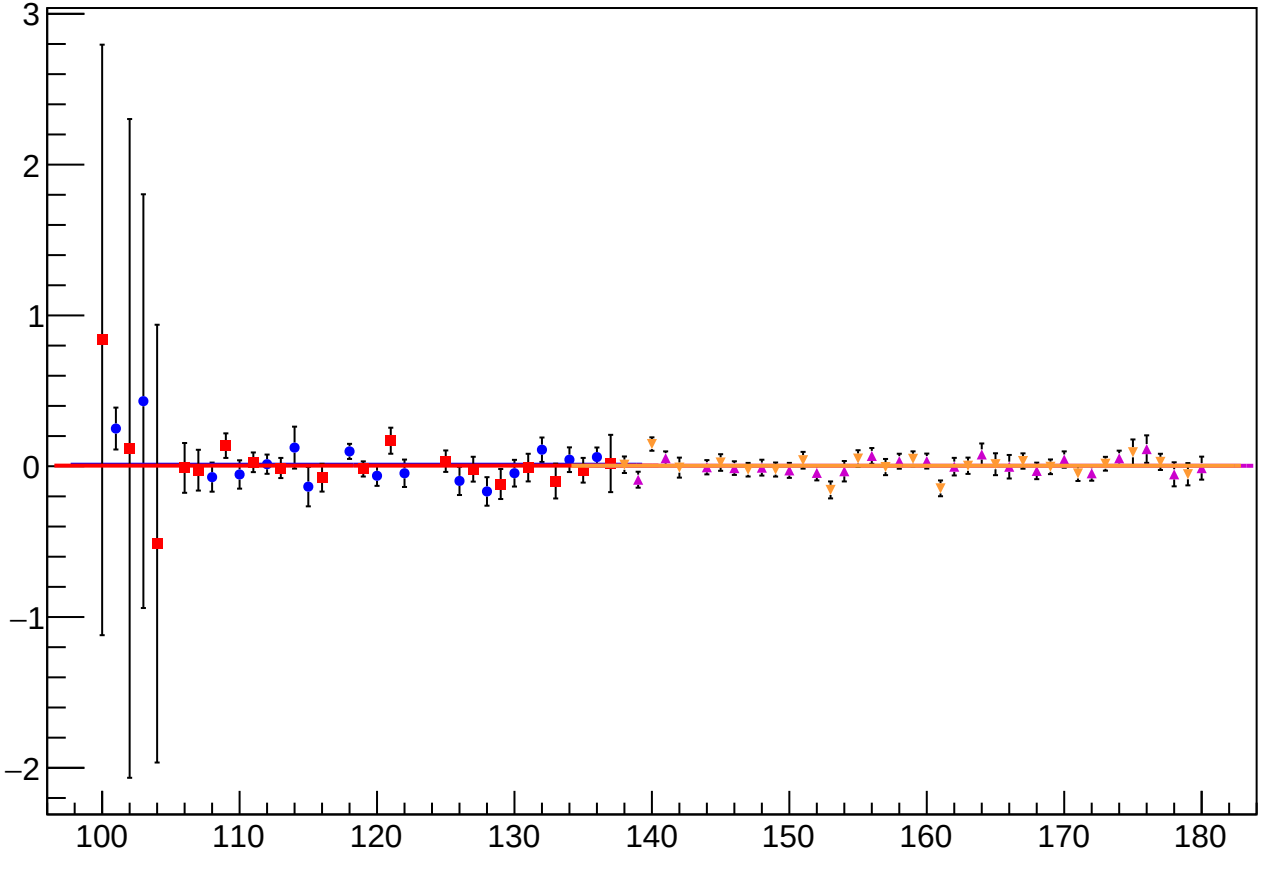
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4864782.0/36

Out: 0.000+/-0.000 χ^2/NDF:4853752.5/38

All: 0.000+/-0.000 χ^2/NDF: 9768522.0/75

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/20

Left: 0.003+/-0.008 χ^2/NDF: 47.5/41

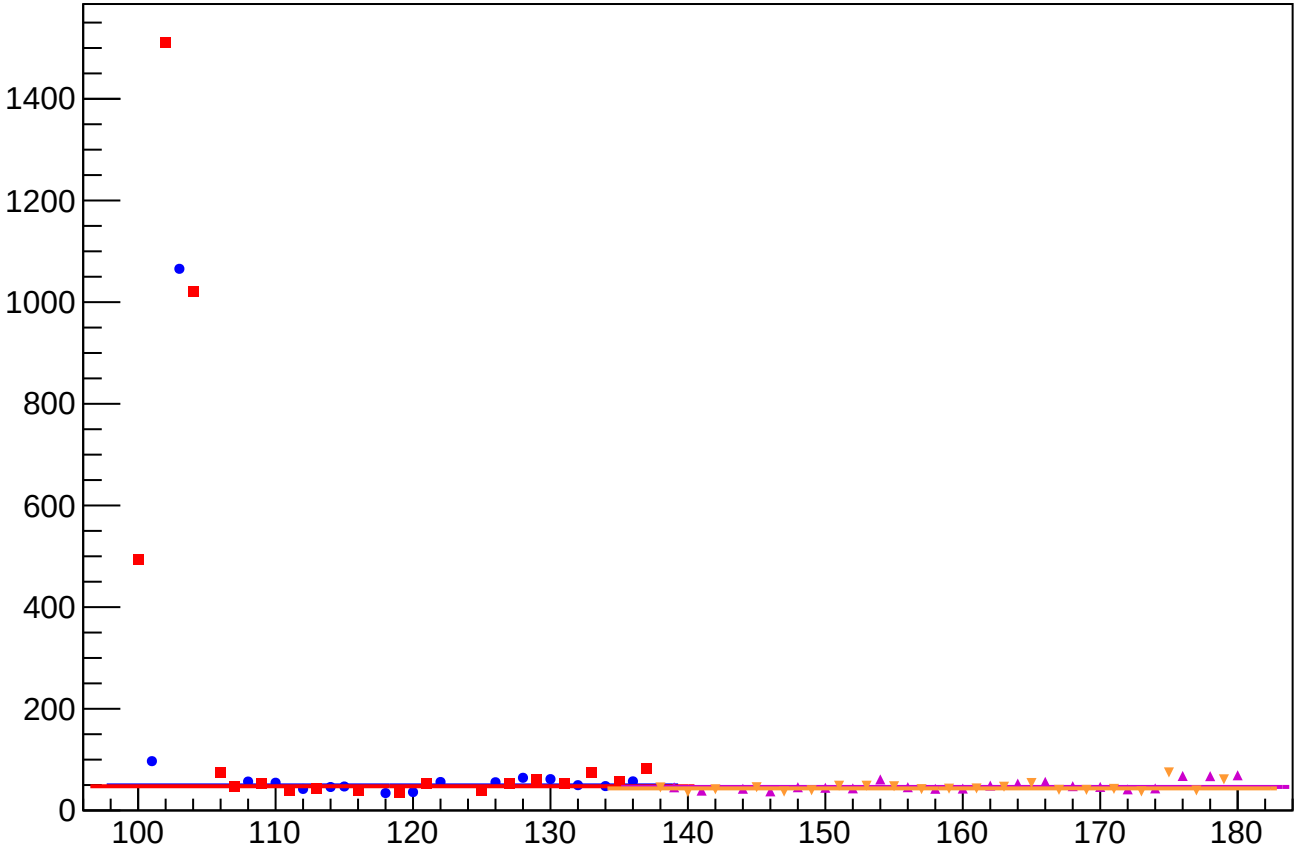
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/36

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/75

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

Left: 44.803+/-0.006 χ^2/NDF: 1486211.7/41

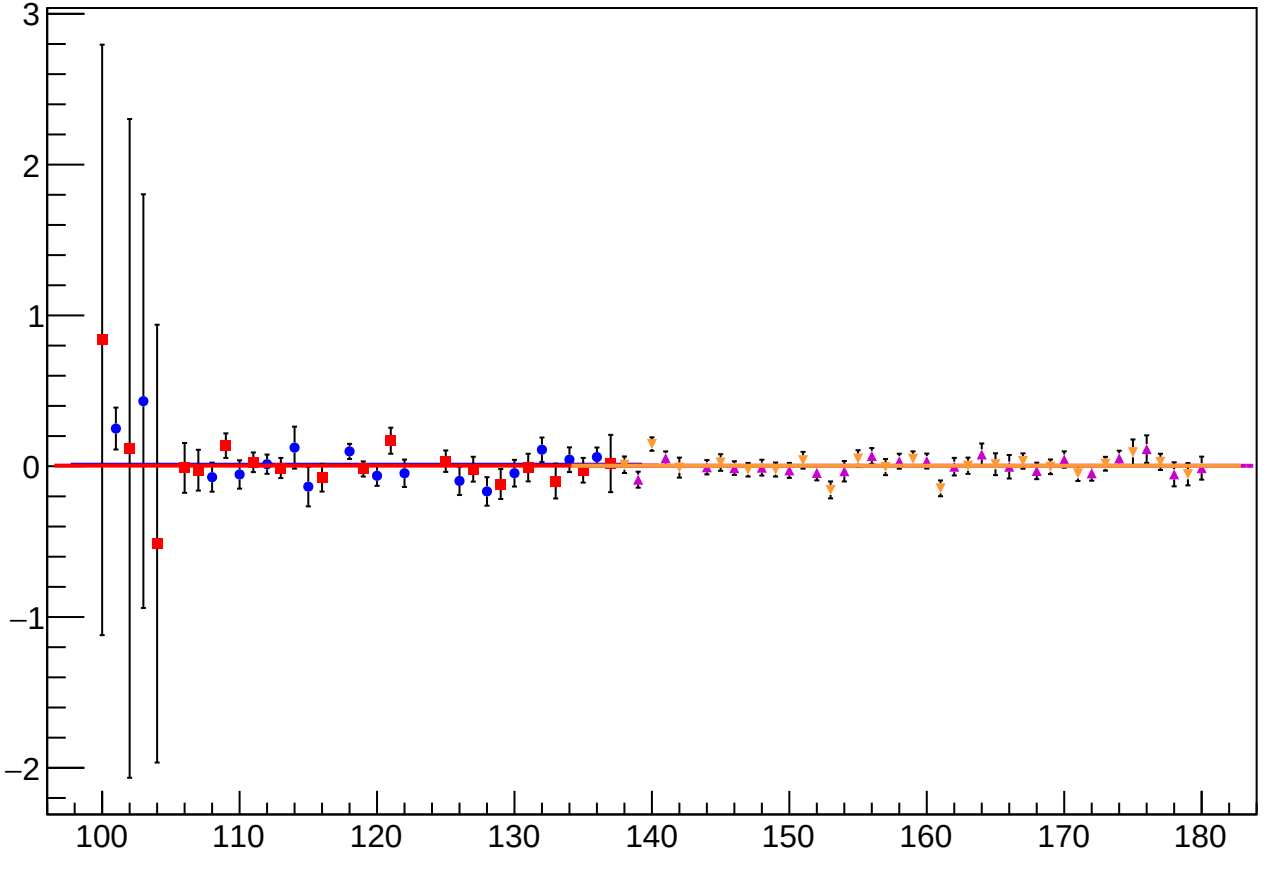
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.021+/-0.007 χ^2/NDF:2582525.7/36

Out: 44.378+/-0.007 χ^2/NDF:3132297.0/38

All: 45.680+/-0.005 χ^2/NDF: 5780039.9/75

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/20

Left: 0.003+/-0.008 χ^2/NDF: 47.5/41

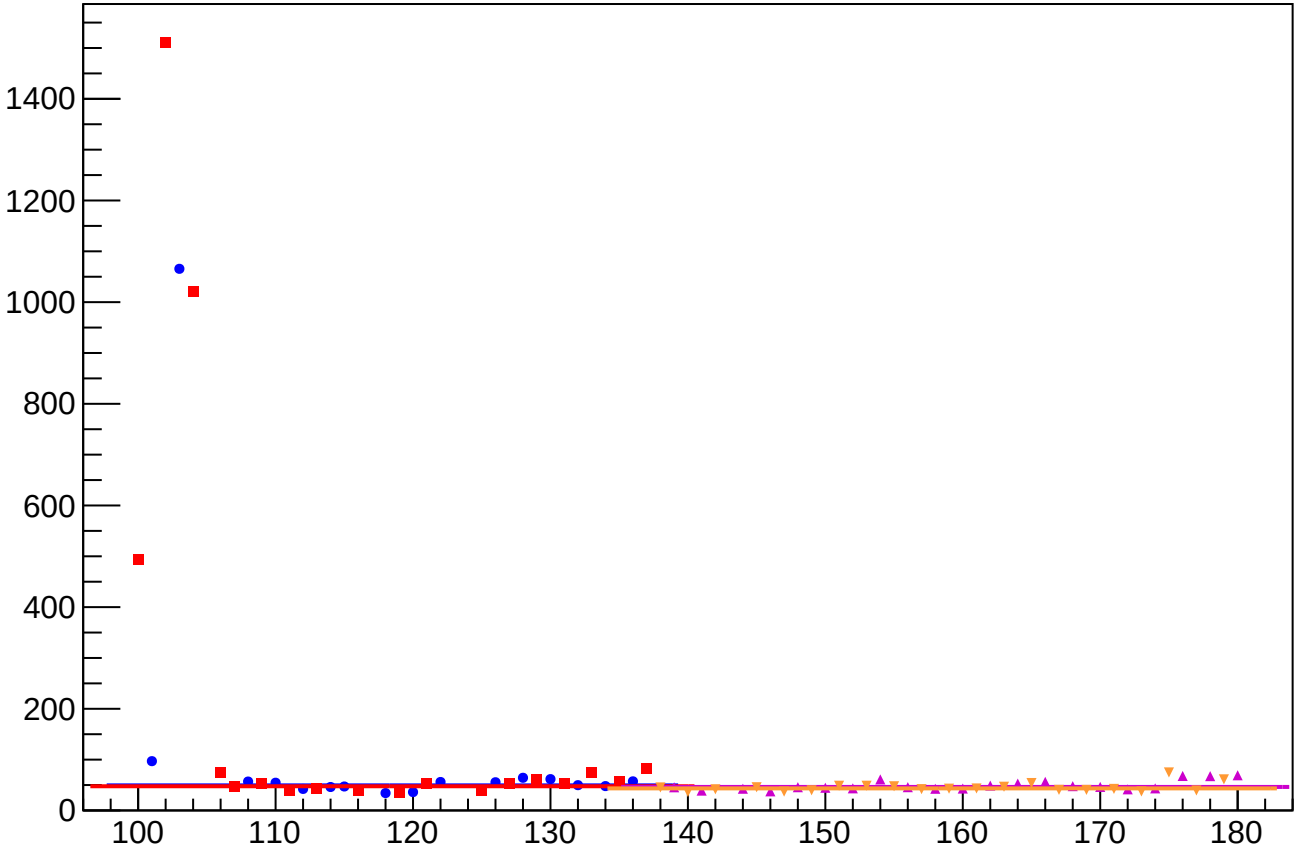
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/36

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/75

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 46.260+/-0.009 χ^2/NDF:773181.7/20

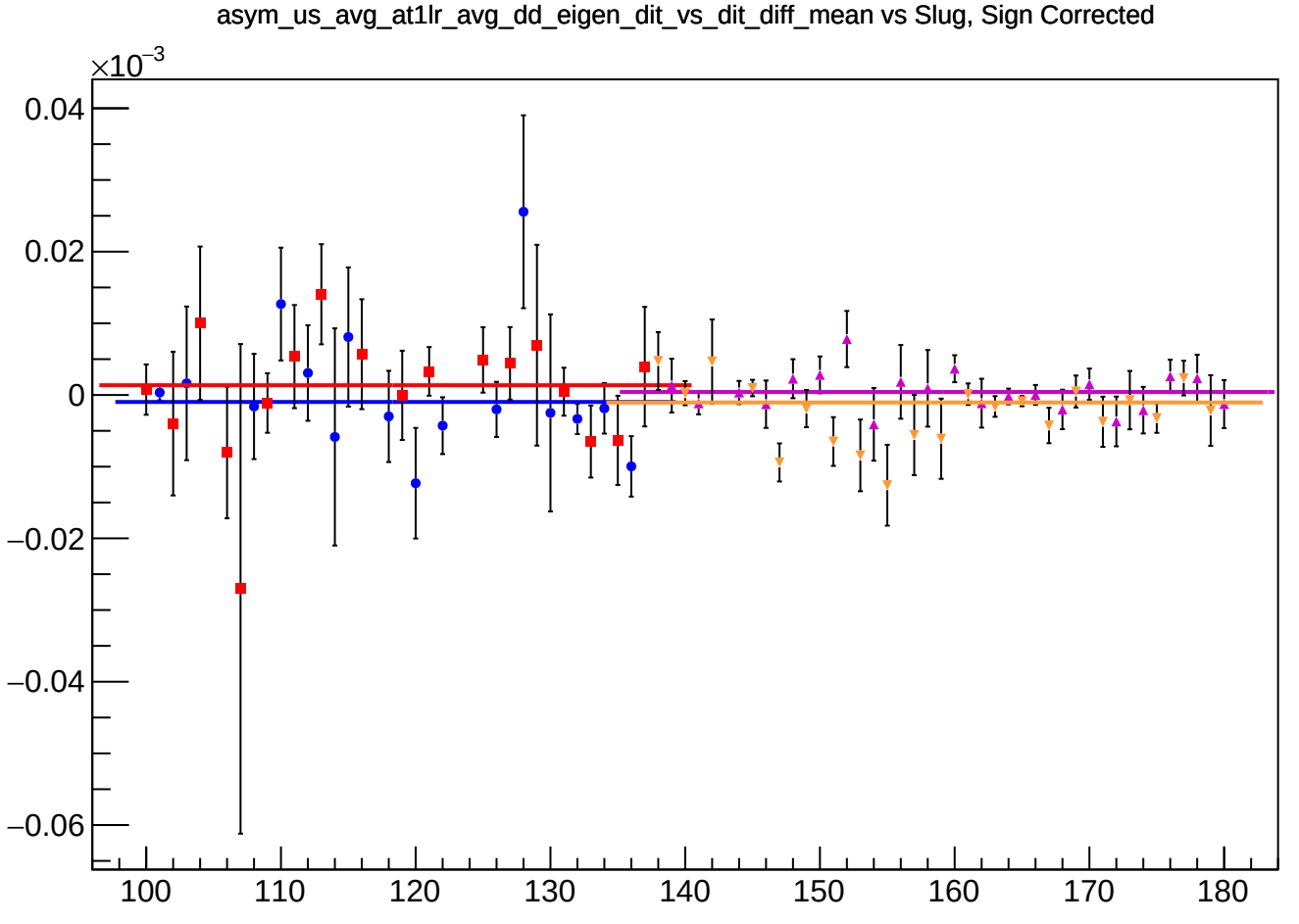
Left: 44.803+/-0.006 χ^2/NDF: 1486211.7/41

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.021+/-0.007 χ^2/NDF:2582525.7/36

Out: 44.378+/-0.007 χ^2/NDF:3132297.0/38

All: 45.680+/-0.005 χ^2/NDF: 5780039.9/75



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.2/20

Left: -0.000+/-0.000 χ^2/NDF: 54.1/41

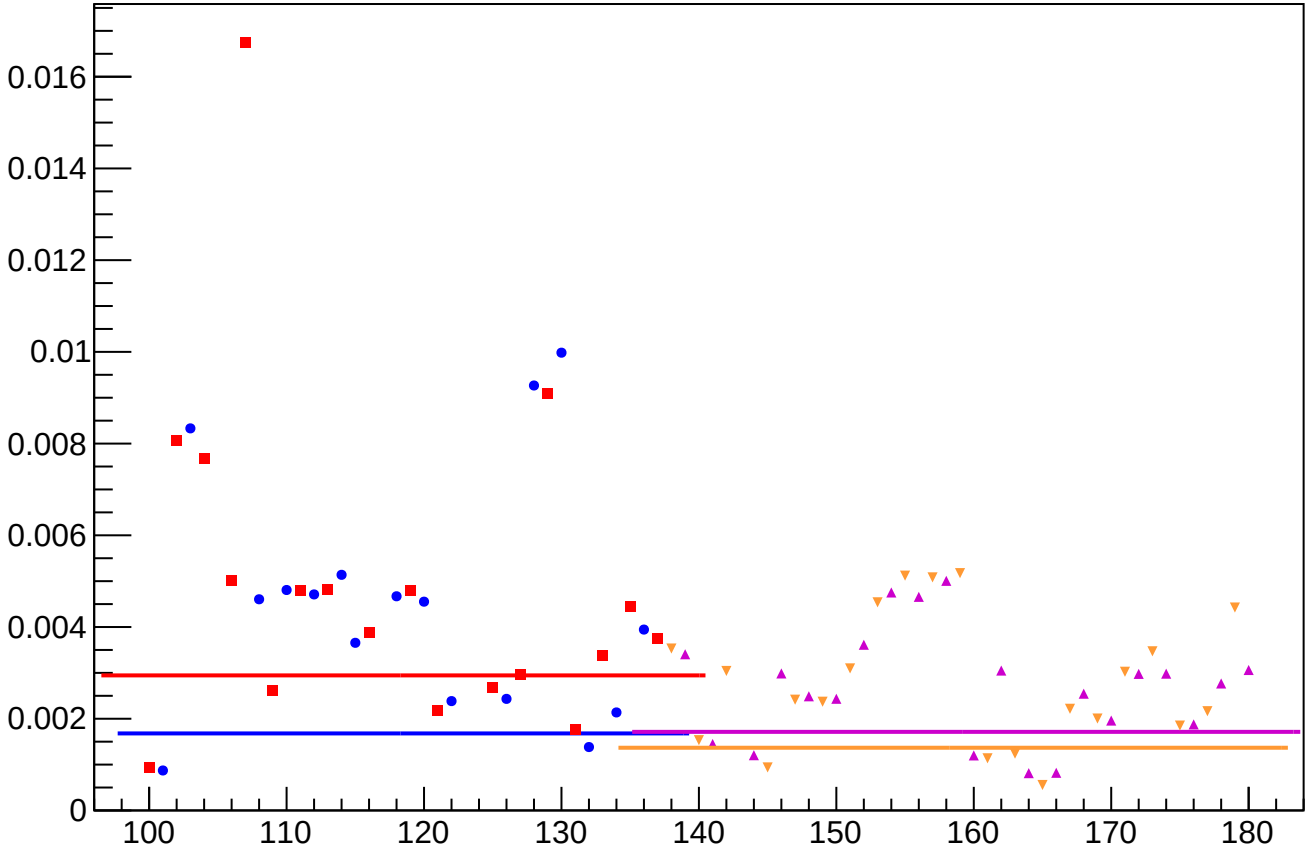
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:35.9/36

Out: -0.000+/-0.000 χ^2/NDF:49.6/38

All: -0.000+/-0.000 χ^2/NDF: 87.7/75

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:10776350.2/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7845835.4/20

Left: 0.002+/-0.000 χ^2/NDF: 19183557.4/41

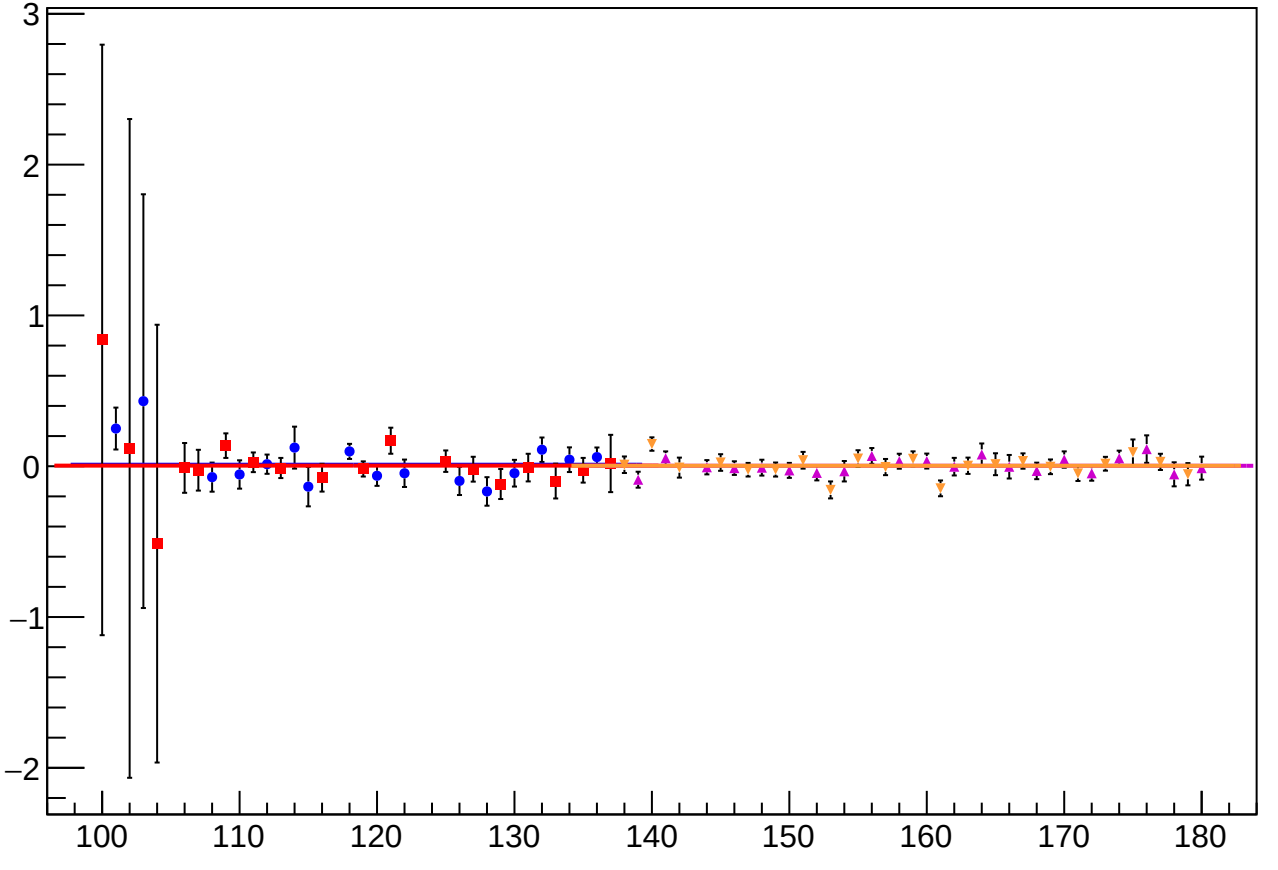
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13808560.8/36

Out: 0.002+/-0.000 χ^2/NDF:16857680.8/38

All: 0.002+/-0.000 χ^2/NDF: 30861364.5/75

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/20

Left: 0.003+/-0.008 χ^2/NDF: 47.5/41

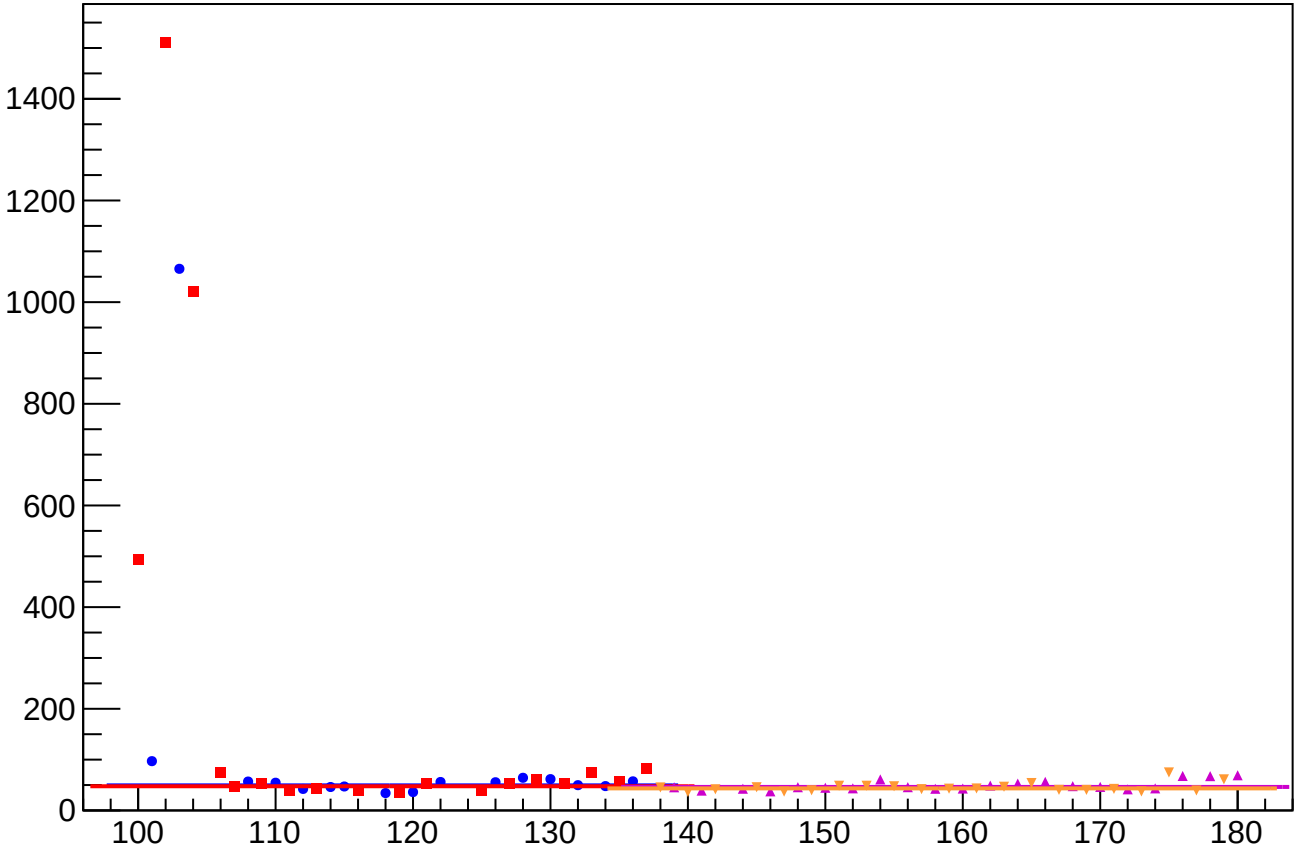
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/36

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/75

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.424+/-0.008 χ^2/NDF:655848.7/20

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 46.260+/-0.009 χ^2/NDF:773248.6/20

Left: 44.803+/-0.006 χ^2/NDF: 1486280.8/41

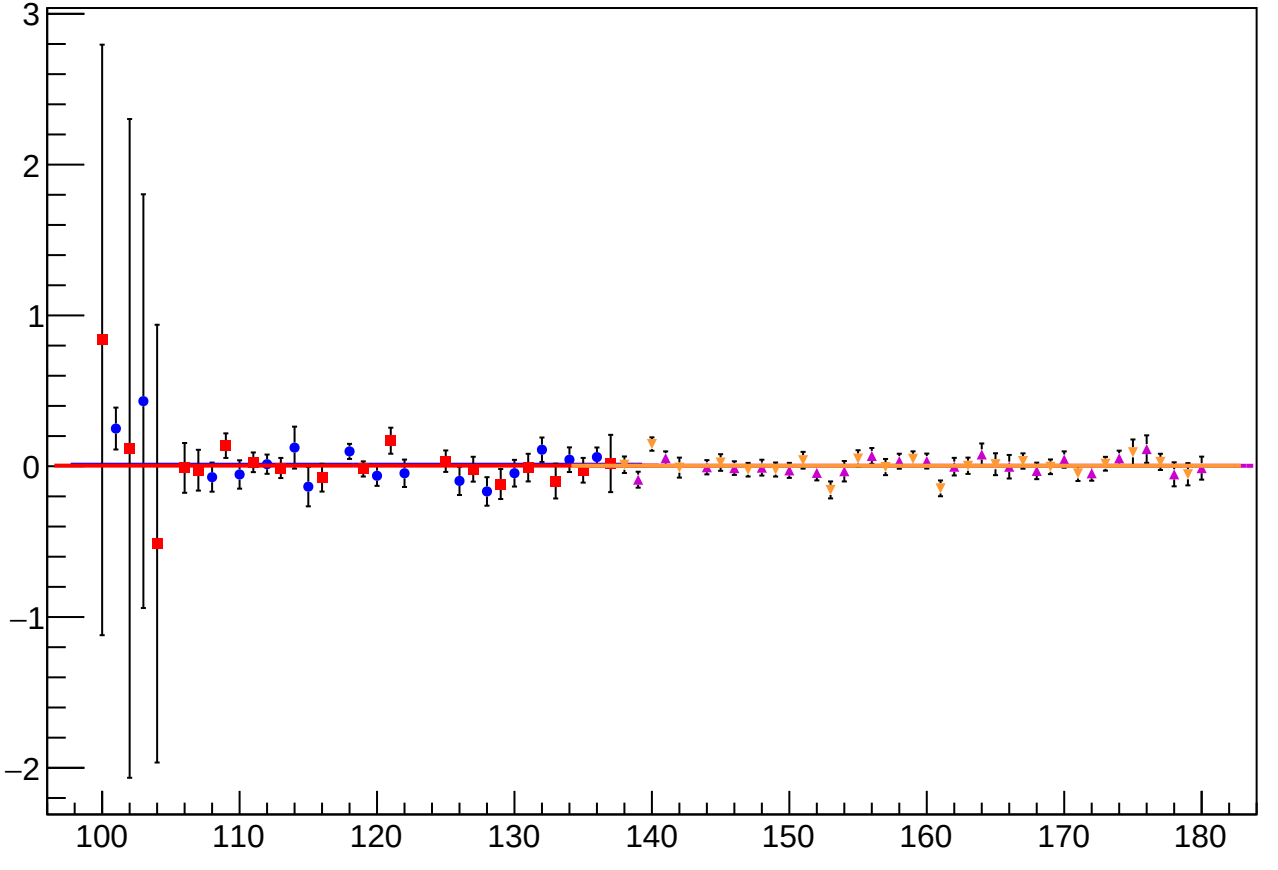
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.021+/-0.007 χ^2/NDF:2582534.3/36

Out: 44.378+/-0.007 χ^2/NDF:3132323.3/38

All: 45.679+/-0.005 χ^2/NDF: 5780072.4/75

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/20

Left: 0.003+/-0.008 χ^2/NDF: 47.5/41

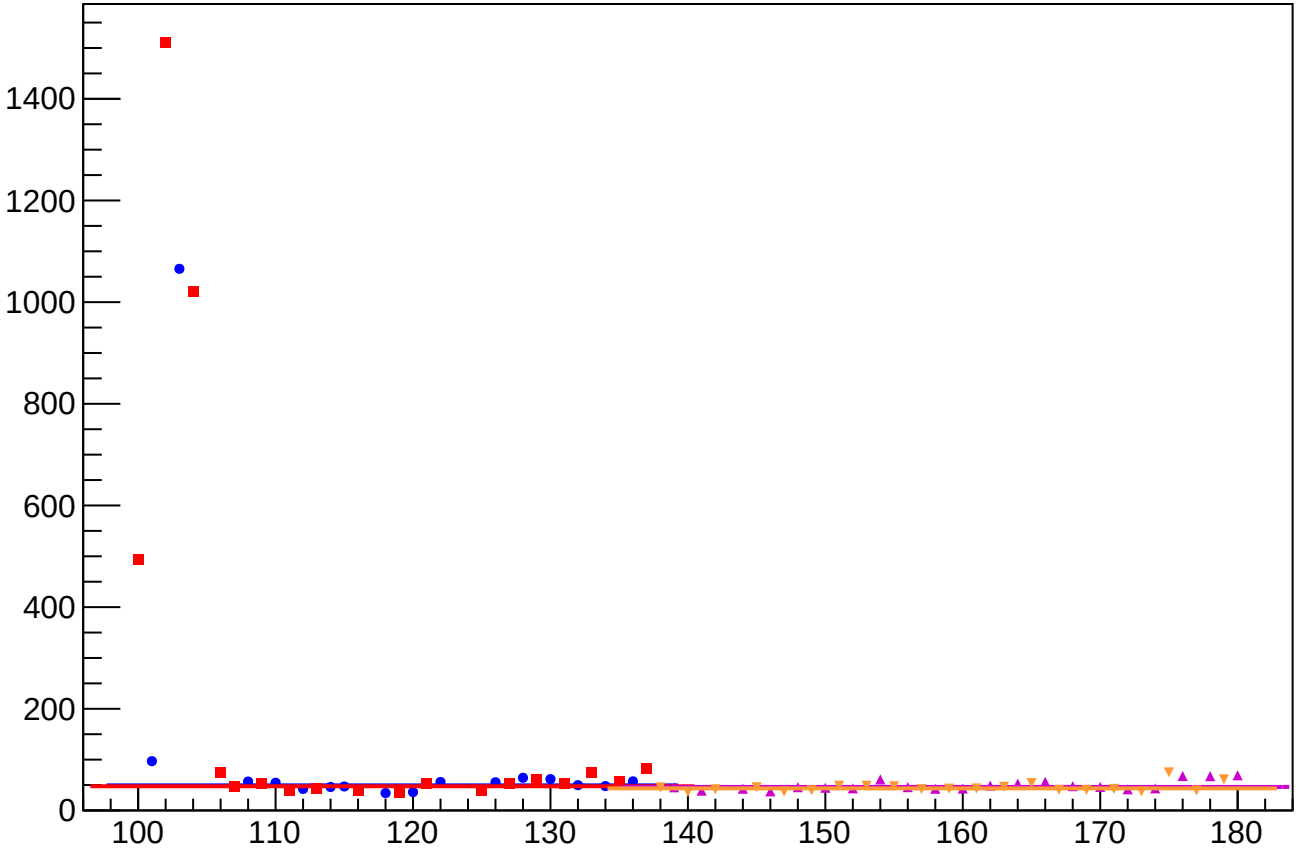
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.010 χ^2/NDF:33.0/36

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/75

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.424+/-0.008 χ^2/NDF:655848.7/20

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 46.260+/-0.009 χ^2/NDF:773248.6/20

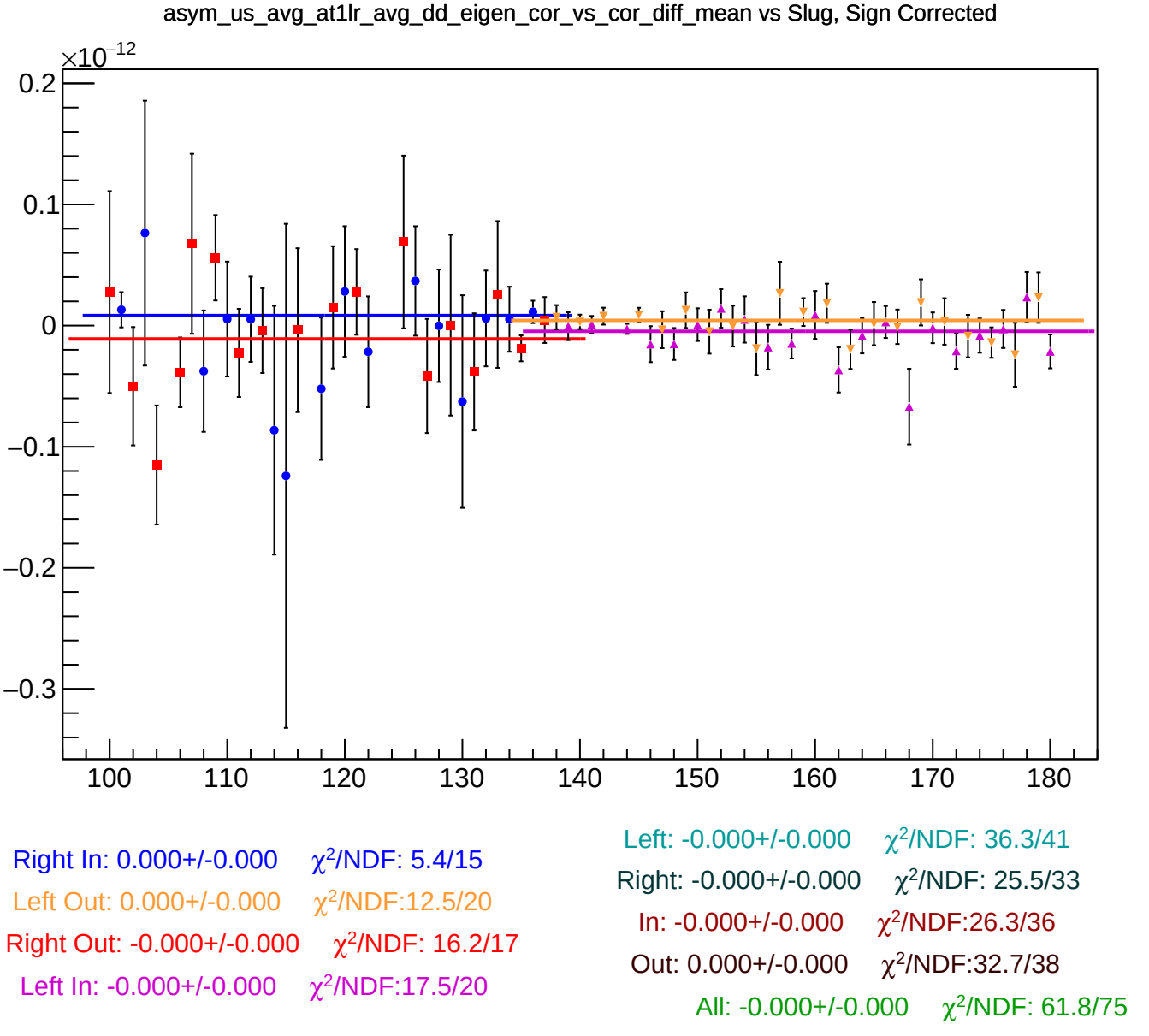
Left: 44.803+/-0.006 χ^2/NDF: 1486280.8/41

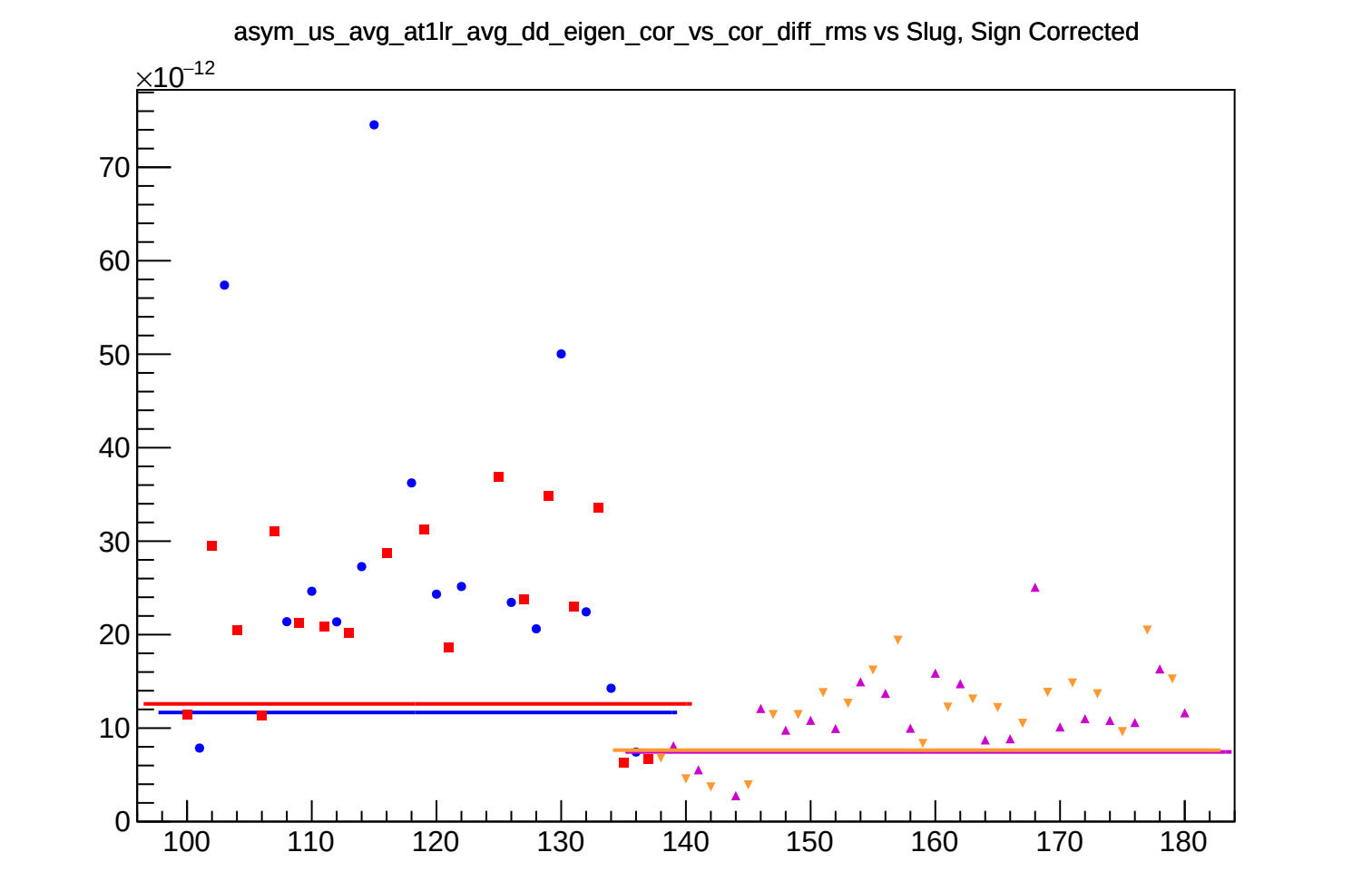
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.021+/-0.007 χ^2/NDF:2582534.3/36

Out: 44.378+/-0.007 χ^2/NDF:3132323.3/38

All: 45.679+/-0.005 χ^2/NDF: 5780072.4/75


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:12.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:17.5/20
Left: -0.000+/-0.000 χ²/NDF: 36.3/41
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:26.3/36
Out: 0.000+/-0.000 χ²/NDF:32.7/38
All: -0.000+/-0.000 χ²/NDF: 61.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5479485.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5974537.5/20

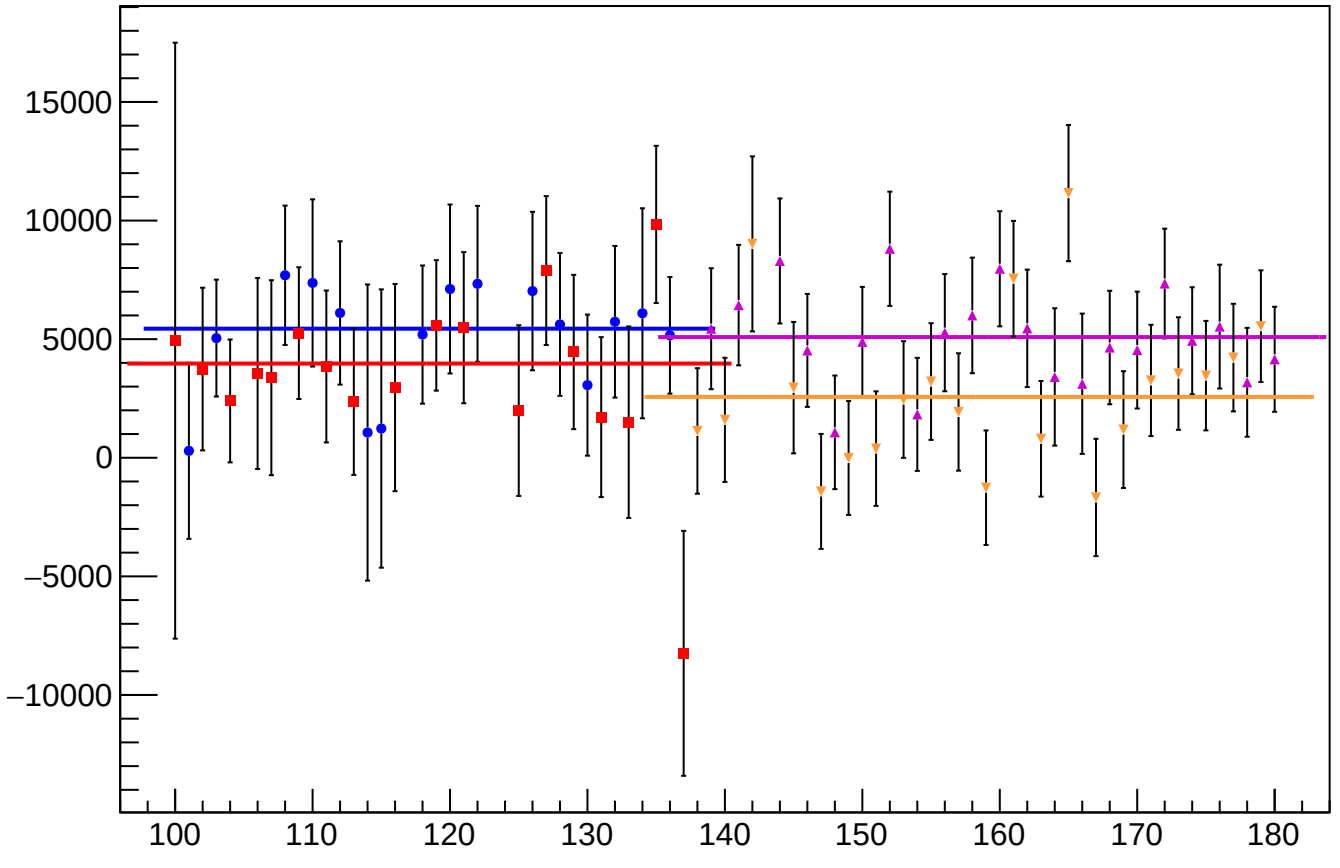
Left: 0.000+/-0.000 χ^2/NDF: 11459696.3/41

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9582217.7/36

Out: 0.000+/-0.000 χ^2/NDF:9232660.4/38

All: 0.000+/-0.000 χ^2/NDF: 18824778.4/75



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.666+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5087.712+/-534.448 χ^2/NDF:13.2/20

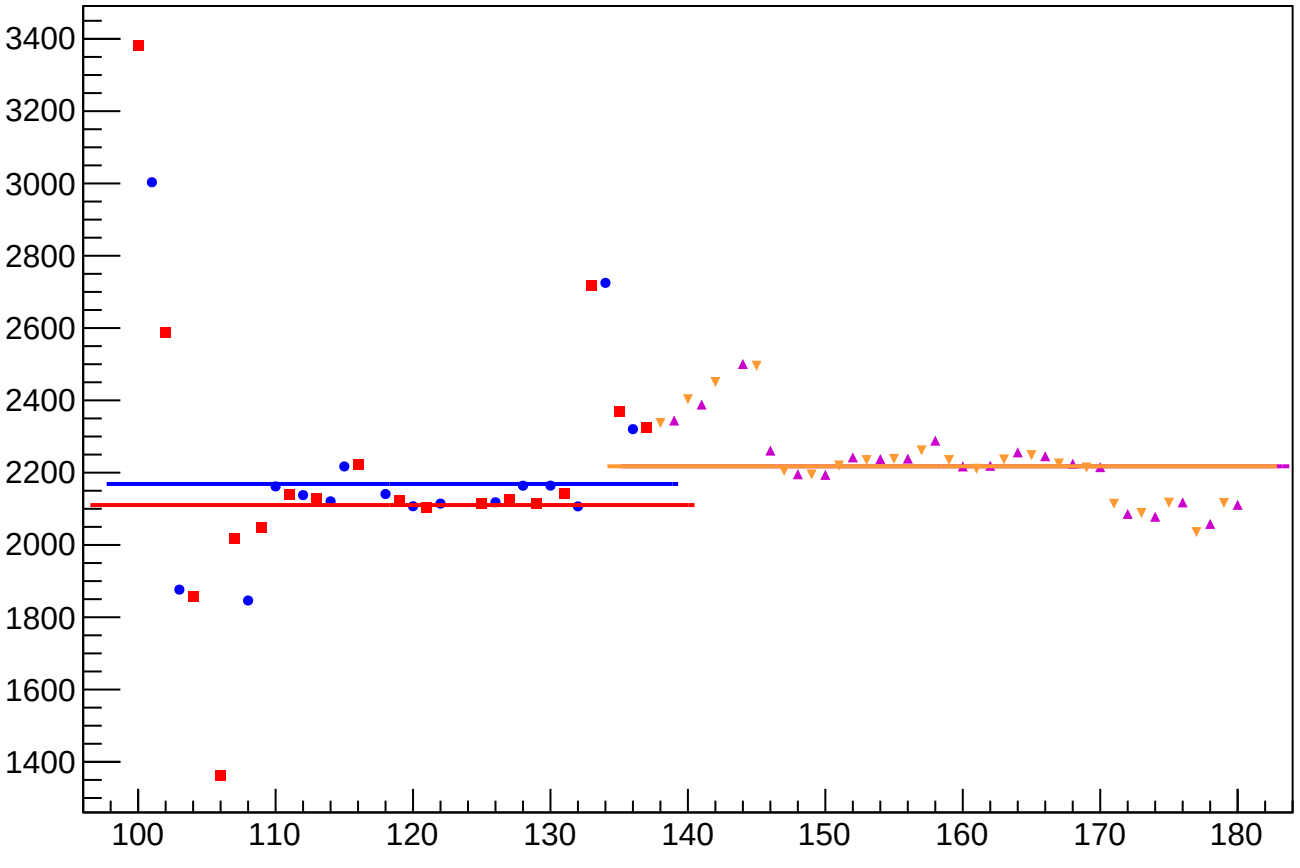
Left: 3848.431+/-381.156 χ^2/NDF: 54.5/41

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5194.805+/-446.516 χ^2/NDF:18.7/36

Out: 3003.178+/-451.288 χ^2/NDF:45.3/38

All: 4110.639+/-317.408 χ^2/NDF: 76.0/75



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.1/20

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

Left: 2217.583+/-0.270 χ^2/NDF: 146318.4/41

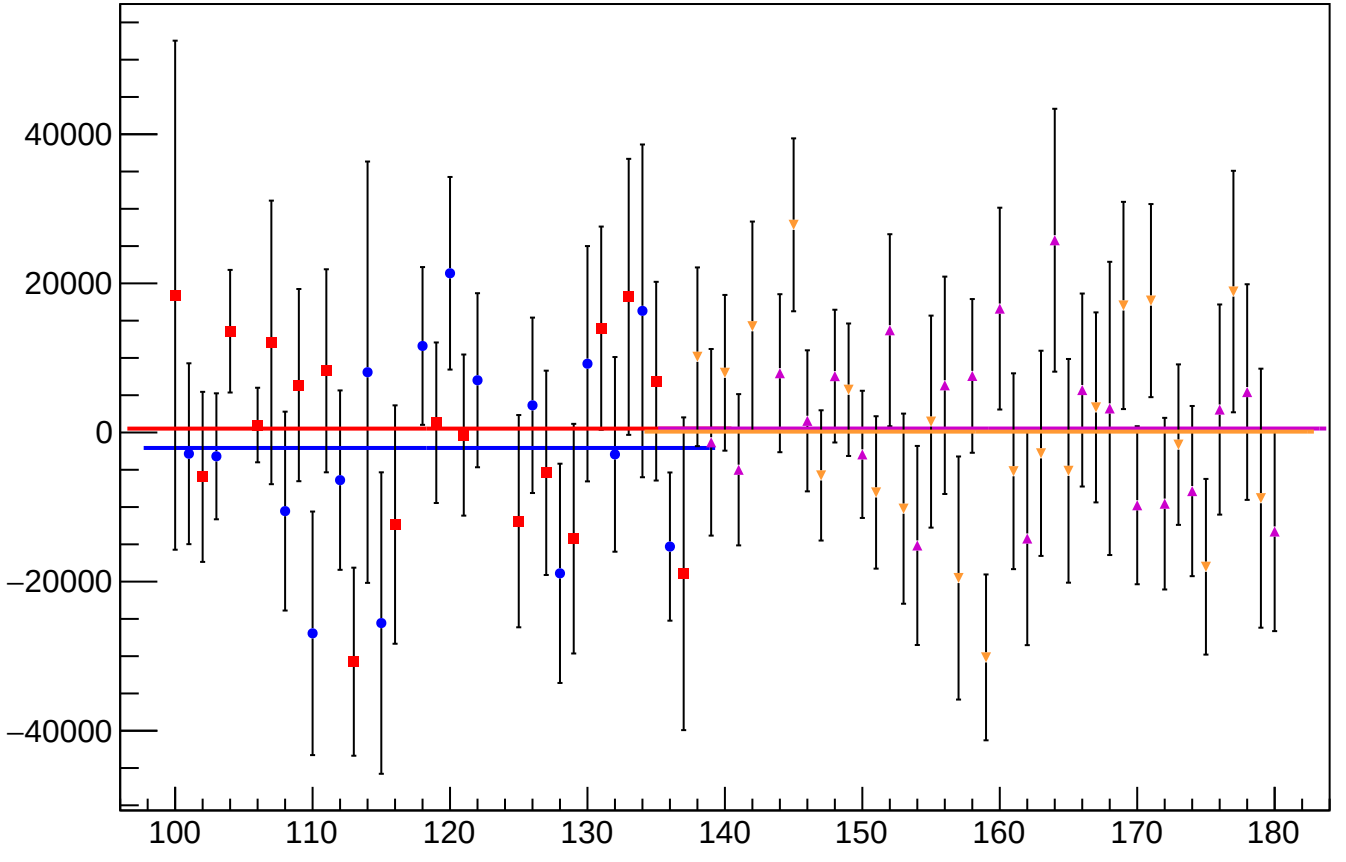
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2202.803+/-0.316 χ^2/NDF:272892.7/36

Out: 2183.504+/-0.318 χ^2/NDF:366290.9/38

All: 2193.207+/-0.224 χ^2/NDF: 641041.3/75

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: 117.449+/-2646.980 χ^2/NDF:26.7/20

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 530.880+/-2582.151 χ^2/NDF:12.8/20

Left: 329.289+/-1848.351 χ^2/NDF: 39.6/41

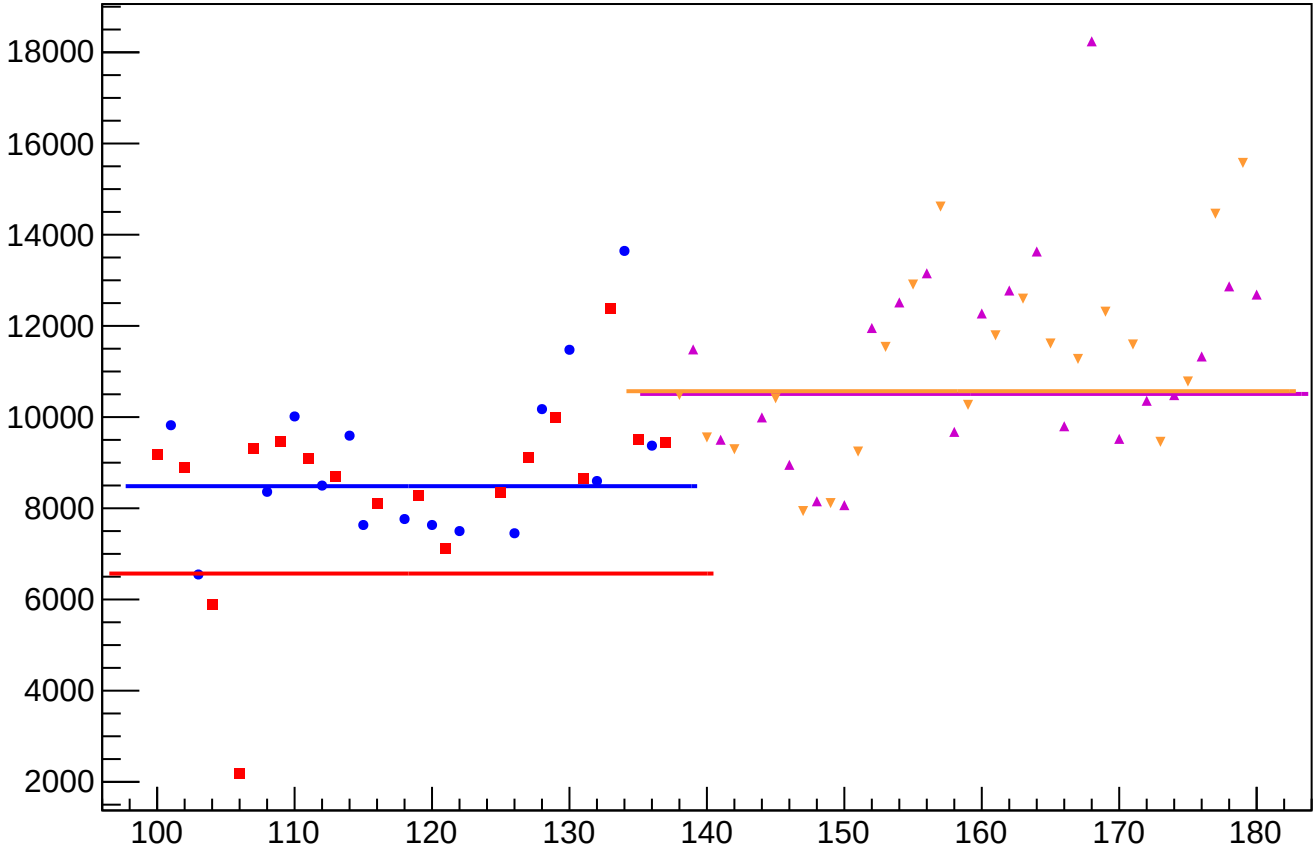
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -492.000+/-2012.502 χ^2/NDF:27.7/36

Out: 314.284+/-1895.488 χ^2/NDF:42.4/38

All: -64.738+/-1379.826 χ^2/NDF: 70.2/75

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10567.804+/-1.872 χ^2/NDF:1018144.1/20

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10508.023+/-1.826 χ^2/NDF:1136537.2/20

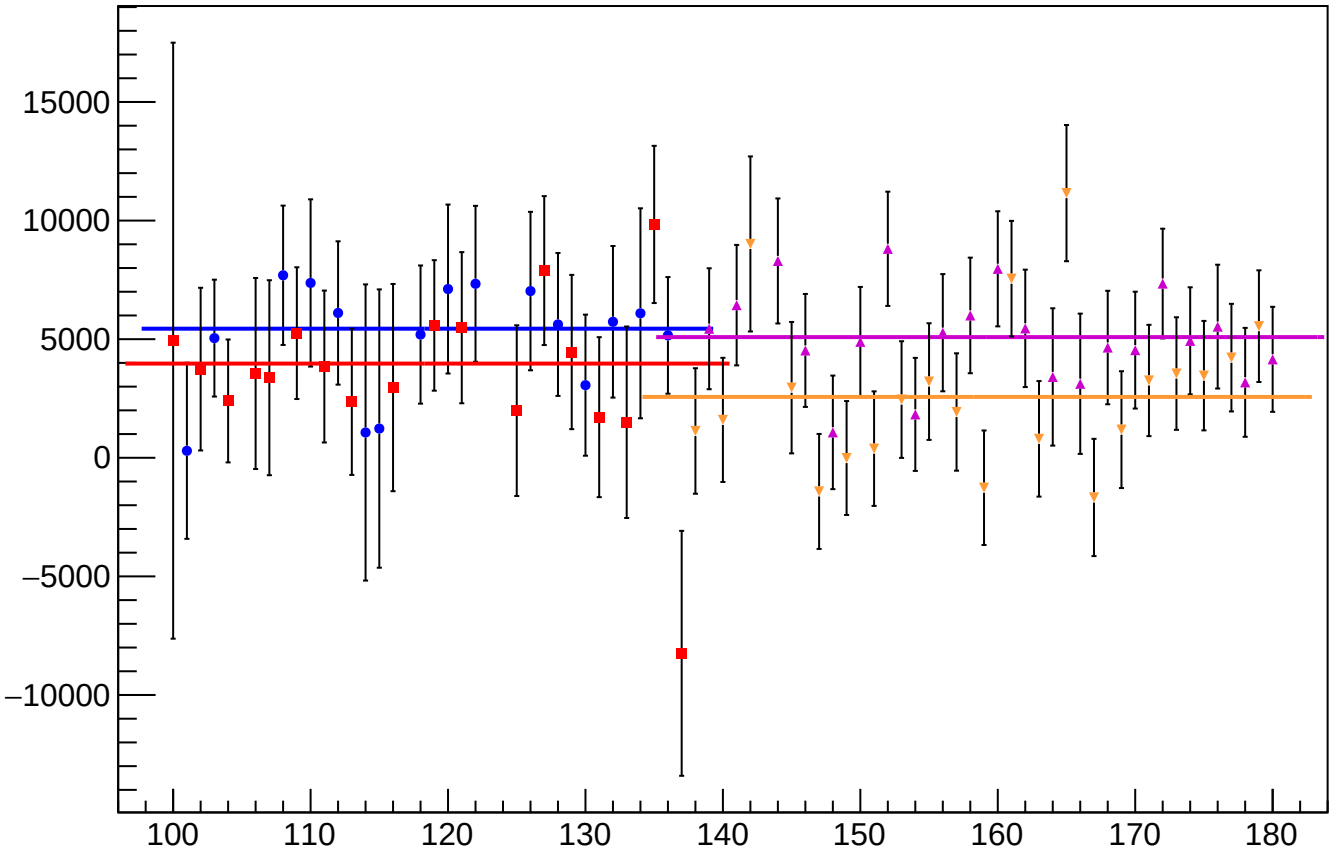
Left: 10537.172+/-1.307 χ^2/NDF: 2155204.0/41

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9713.882+/-1.423 χ^2/NDF:2041152.3/36

Out: 8619.412+/-1.340 χ^2/NDF:5811193.8/38

All: 9133.905+/-0.976 χ^2/NDF: 8165798.5/75



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5087.615+/-534.448 χ^2/NDF:13.2/20

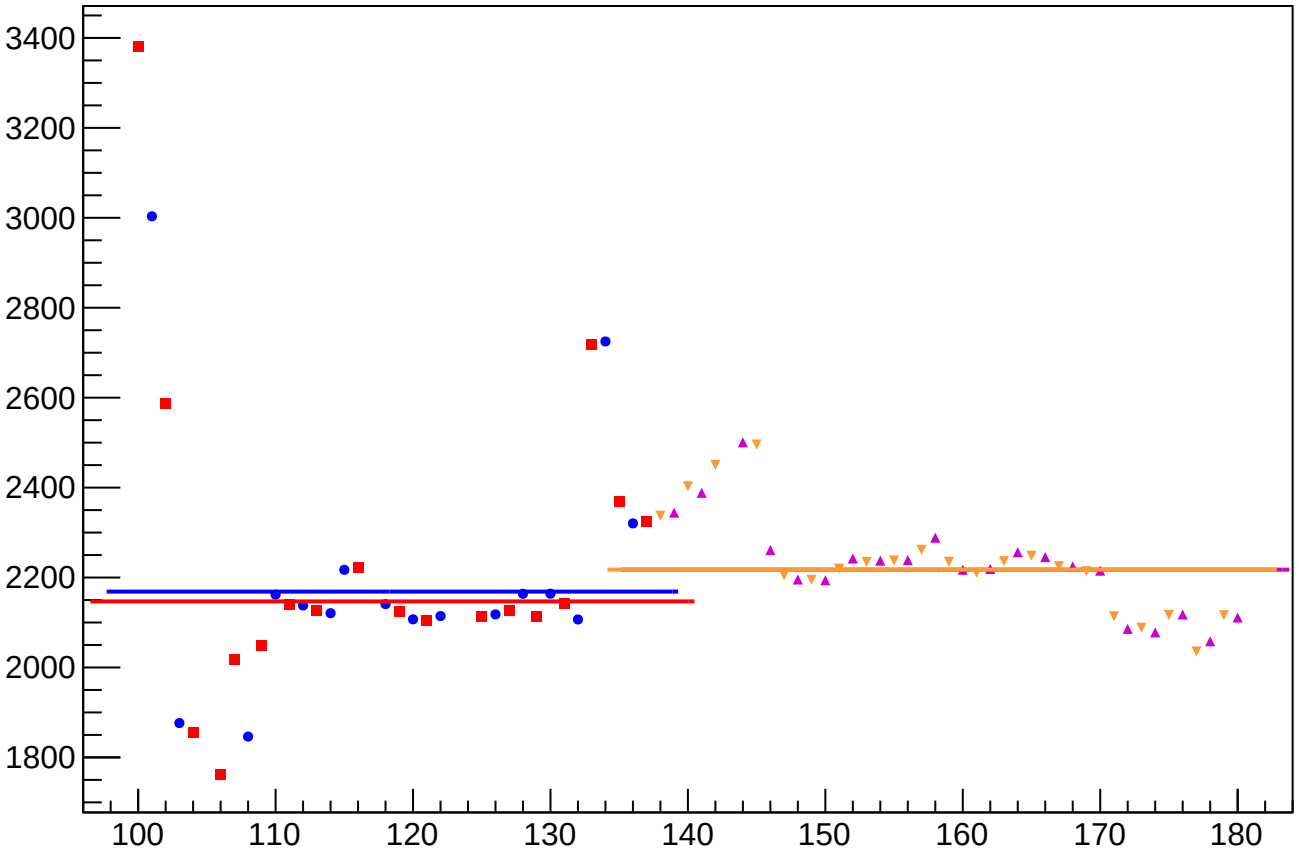
Left: 3848.346+/-381.156 χ^2/NDF: 54.5/41

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5194.780+/-446.516 χ^2/NDF:18.7/36

Out: 3003.047+/-451.288 χ^2/NDF:45.3/38

All: 4110.562+/-317.408 χ^2/NDF: 76.0/75



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

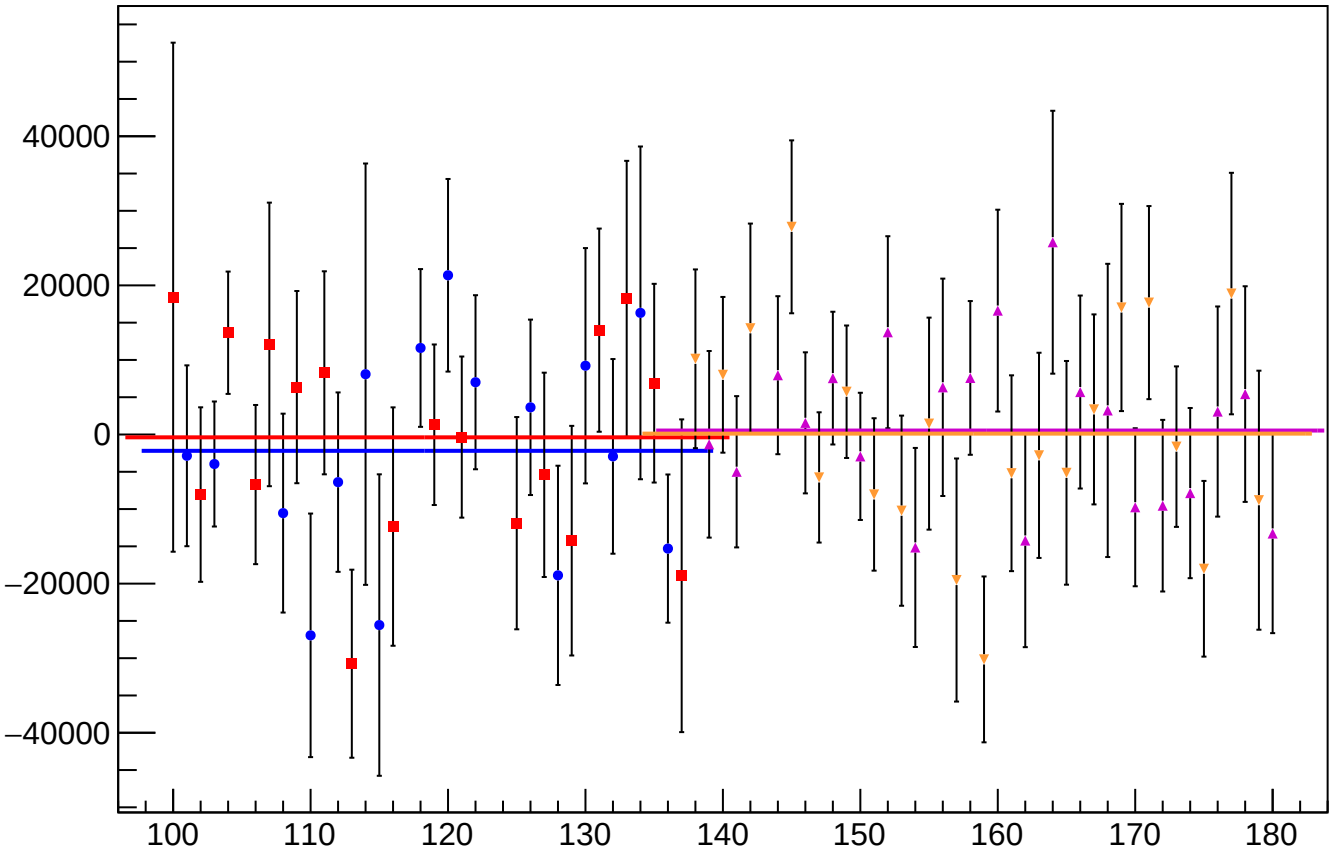
Left: 2217.583+/-0.270 χ^2/NDF: 146318.4/41

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2202.803+/-0.316 χ^2/NDF:272893.1/36

Out: 2195.457+/-0.319 χ^2/NDF:242480.9/38

All: 2199.164+/-0.224 χ^2/NDF: 515642.1/75



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 117.451+/-2646.979 χ^2/NDF:26.7/20

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 530.954+/-2582.150 χ^2/NDF:12.8/20

Left: 329.328+/-1848.350 χ^2/NDF: 39.6/41

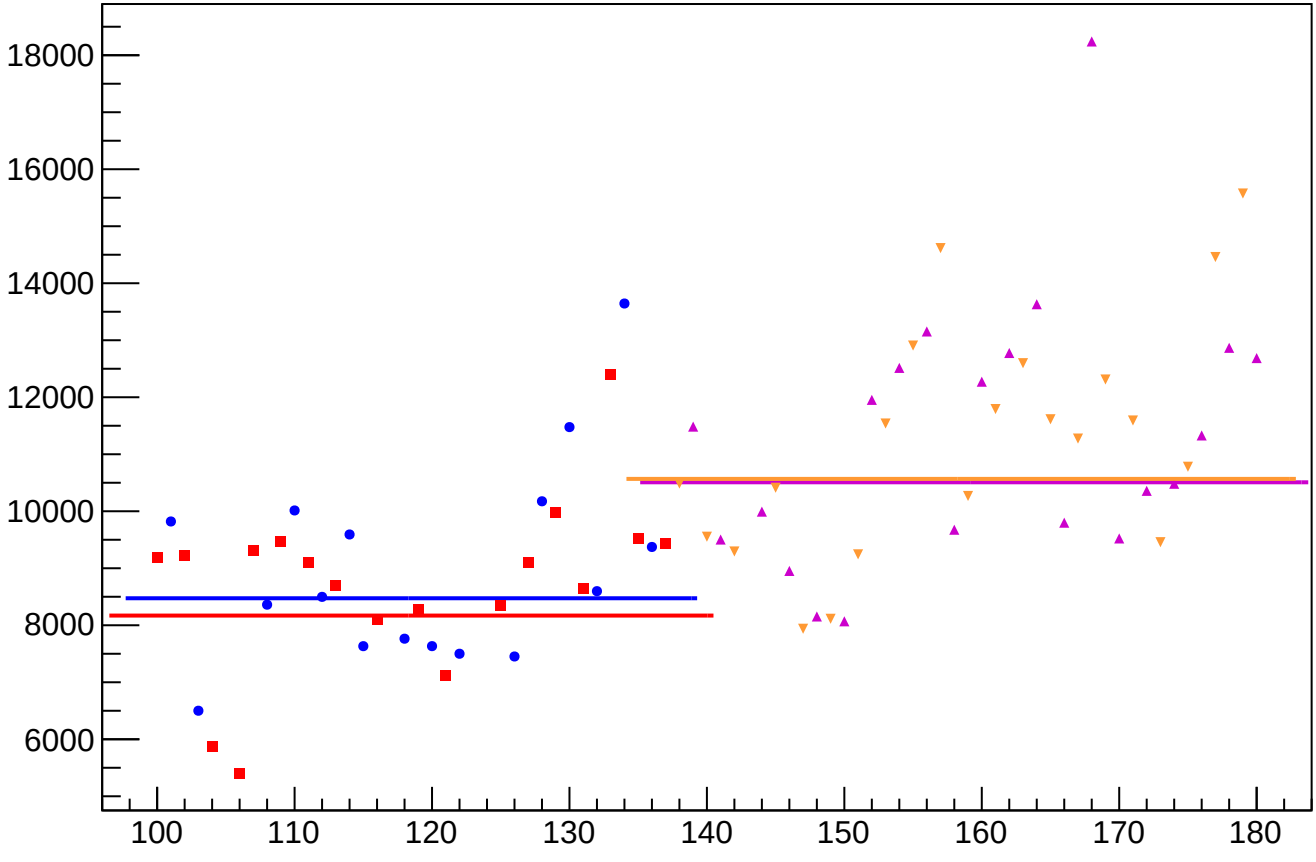
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -538.310+/-2011.623 χ^2/NDF:27.7/36

Out: -91.986+/-2012.981 χ^2/NDF:43.1/38

All: -315.298+/-1422.912 χ^2/NDF: 70.8/75

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: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

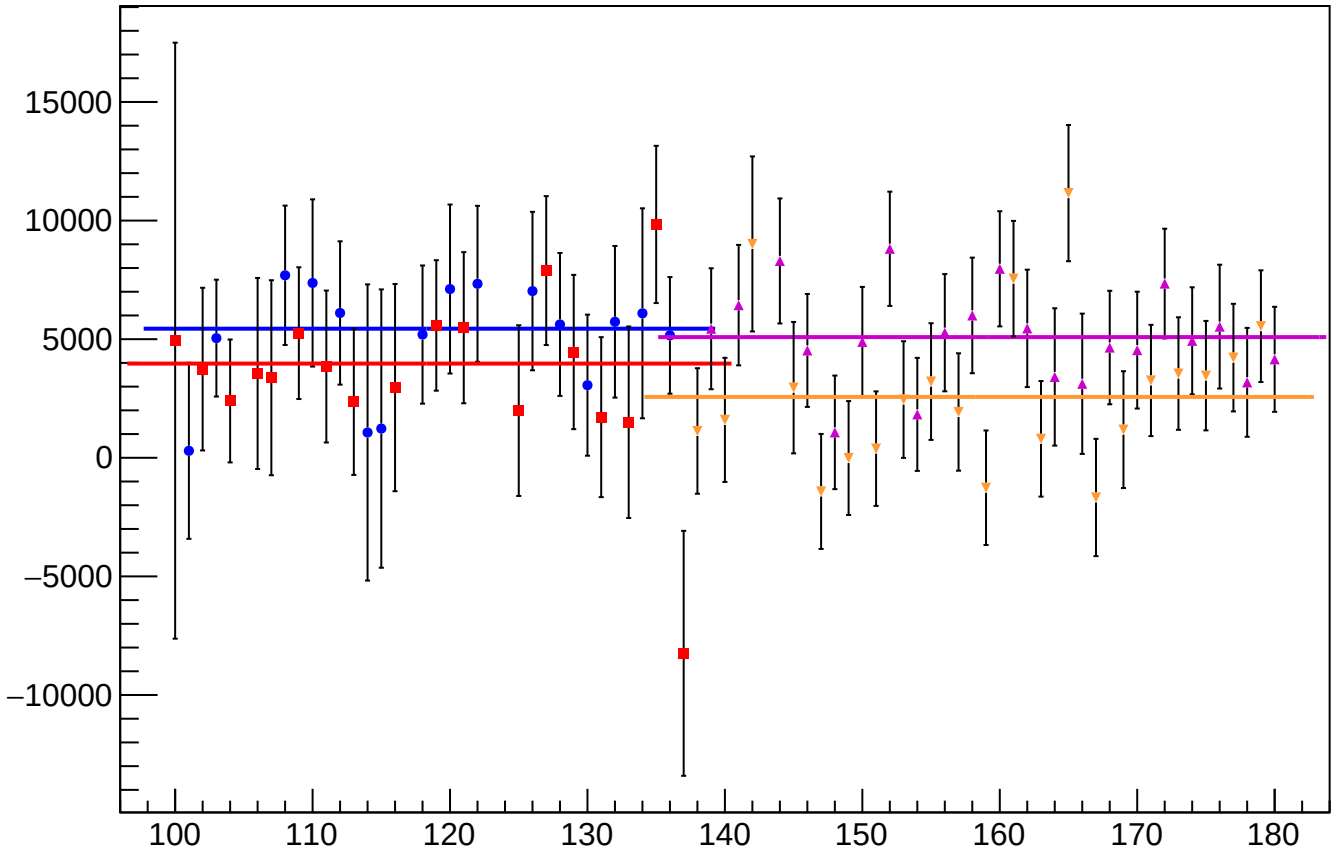
Left: 10537.166+/-1.307 χ^2/NDF: 2155212.0/41

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9708.381+/-1.422 χ^2/NDF:2054030.3/36

Out: 9556.739+/-1.423 χ^2/NDF:2250086.0/38

All: 9632.611+/-1.006 χ^2/NDF: 4309795.1/75



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5087.615+/-534.448 χ^2/NDF:13.2/20

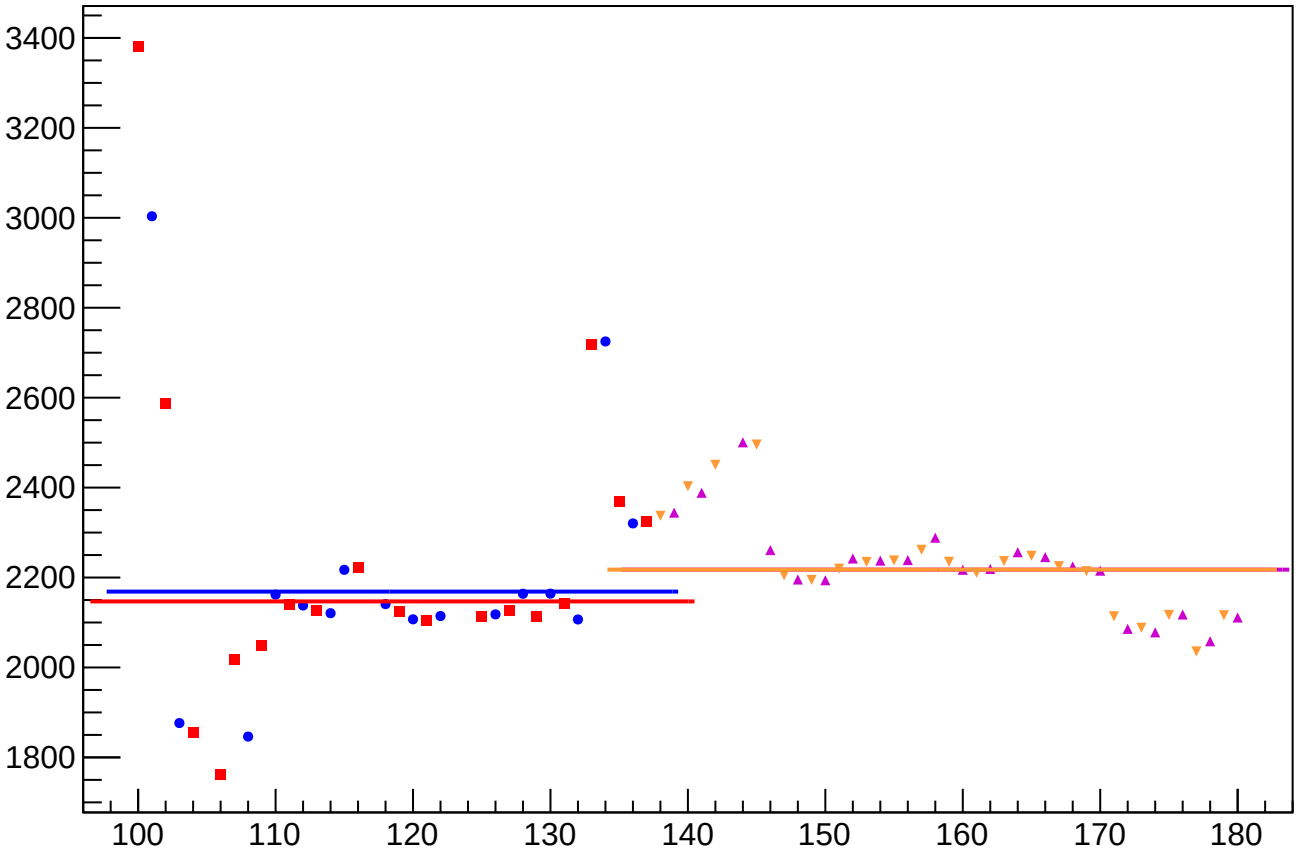
Left: 3848.346+/-381.156 χ^2/NDF: 54.5/41

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5194.780+/-446.516 χ^2/NDF:18.7/36

Out: 3003.047+/-451.288 χ^2/NDF:45.3/38

All: 4110.562+/-317.408 χ^2/NDF: 76.0/75



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2217.551+/-0.378 χ^2/NDF:72190.3/20

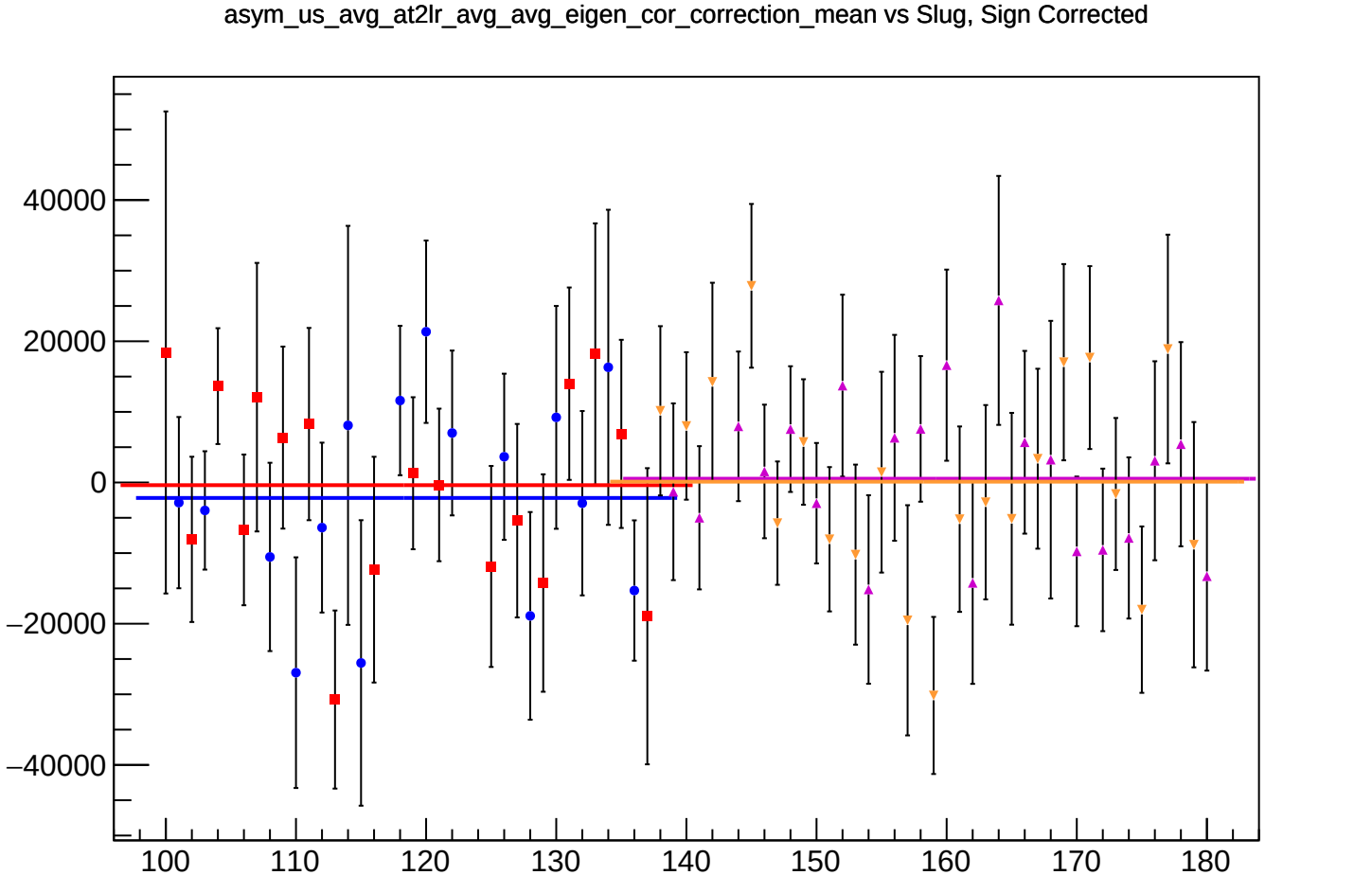
Left: 2217.583+/-0.270 χ^2/NDF: 146318.4/41

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

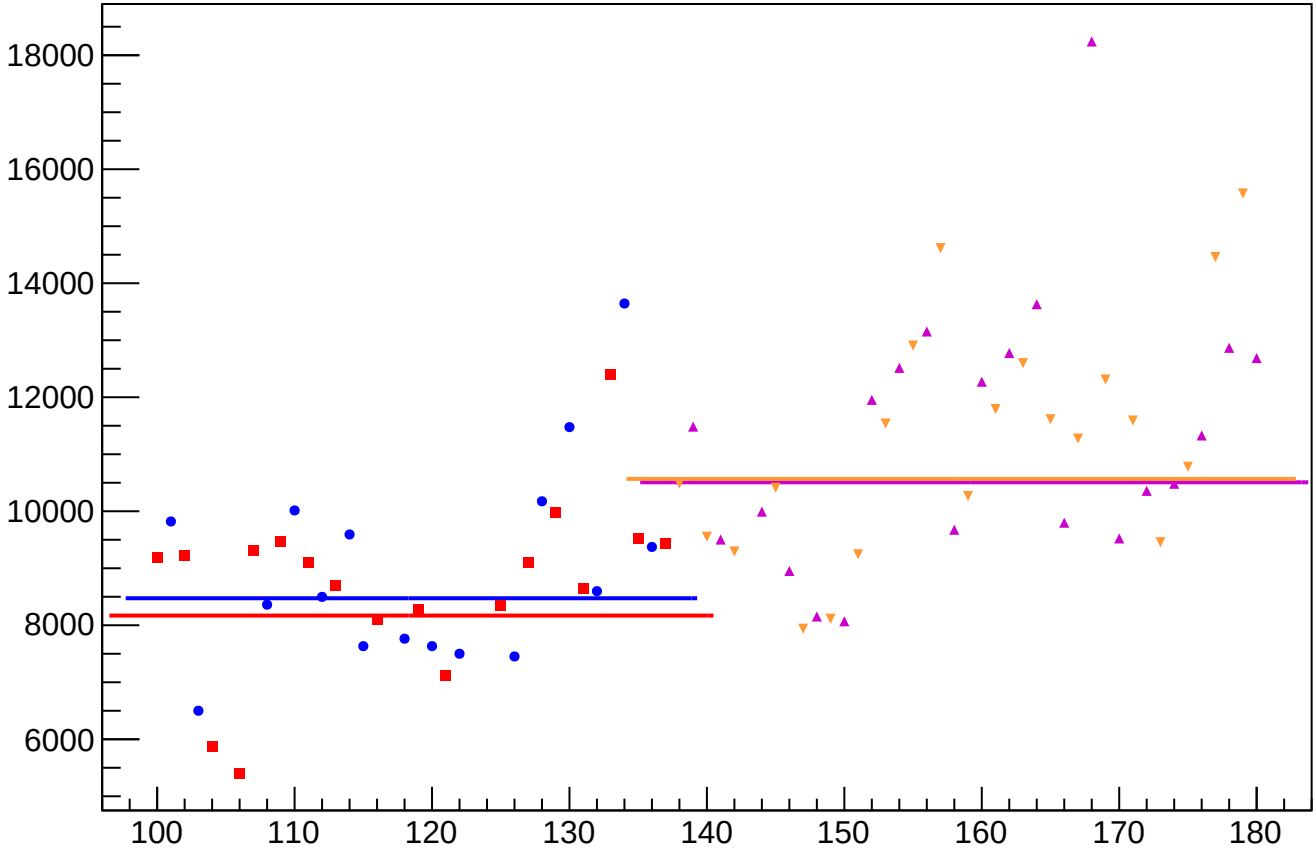
In: 2202.803+/-0.316 χ^2/NDF:272893.1/36

Out: 2195.457+/-0.319 χ^2/NDF:242480.9/38

All: 2199.164+/-0.224 χ^2/NDF: 515642.1/75


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
180
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 117.451+/-2646.979 χ²/NDF:26.7/20
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 530.954+/-2582.150 χ²/NDF:12.8/20
Left: 329.328+/-1848.350 χ²/NDF: 39.6/41
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: -538.310+/-2011.623 χ²/NDF:27.7/36
Out: -91.986+/-2012.981 χ²/NDF:43.1/38
All: -315.298+/-1422.912 χ²/NDF: 70.8/75

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: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10508.016+/-1.826 χ^2/NDF:1136540.8/20

Left: 10537.166+/-1.307 χ^2/NDF: 2155212.0/41

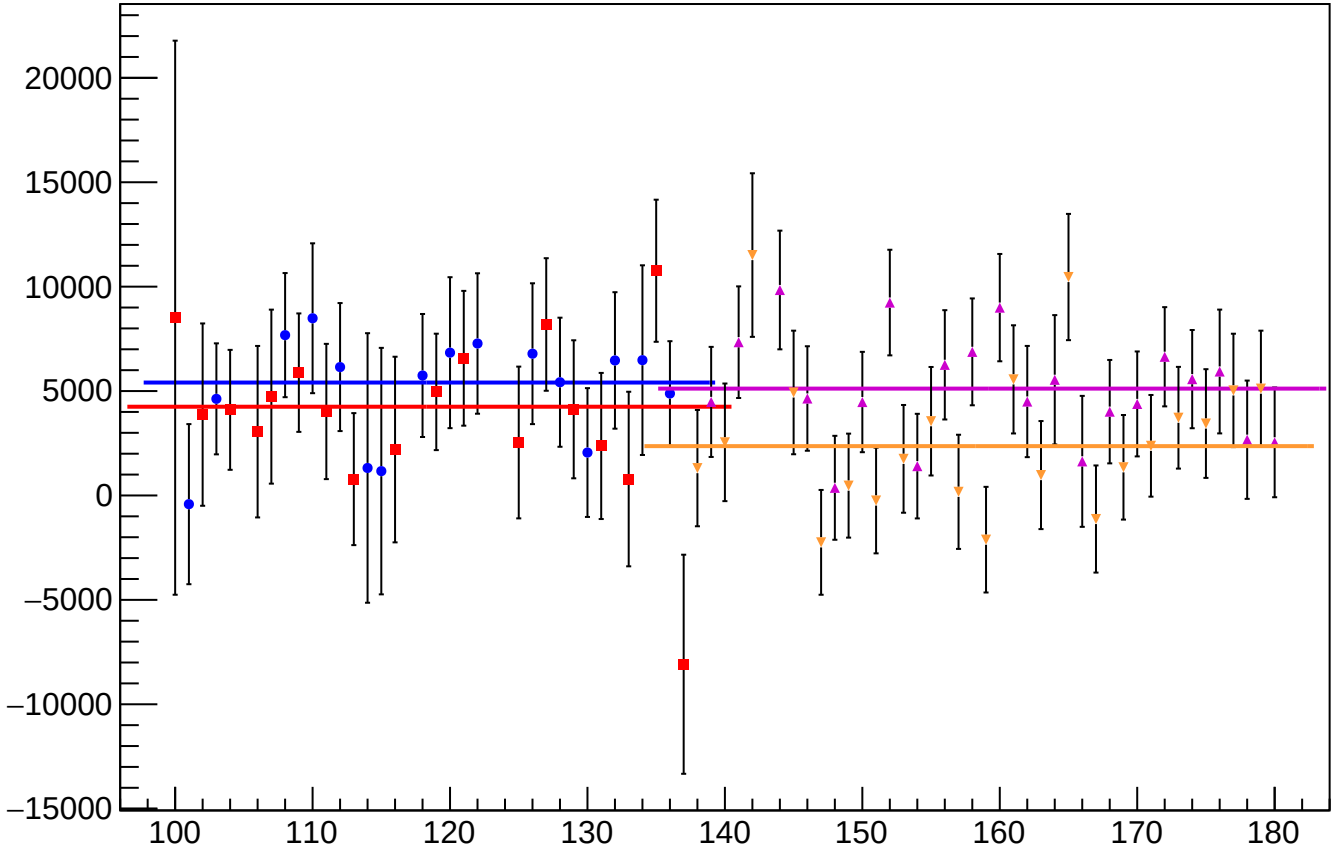
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9708.381+/-1.422 χ^2/NDF:2054030.3/36

Out: 9556.739+/-1.423 χ^2/NDF:2250086.0/38

All: 9632.611+/-1.006 χ^2/NDF: 4309795.1/75

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2362.423+/-580.415 χ^2/NDF:28.8/20

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5117.249+/-570.052 χ^2/NDF:18.9/20

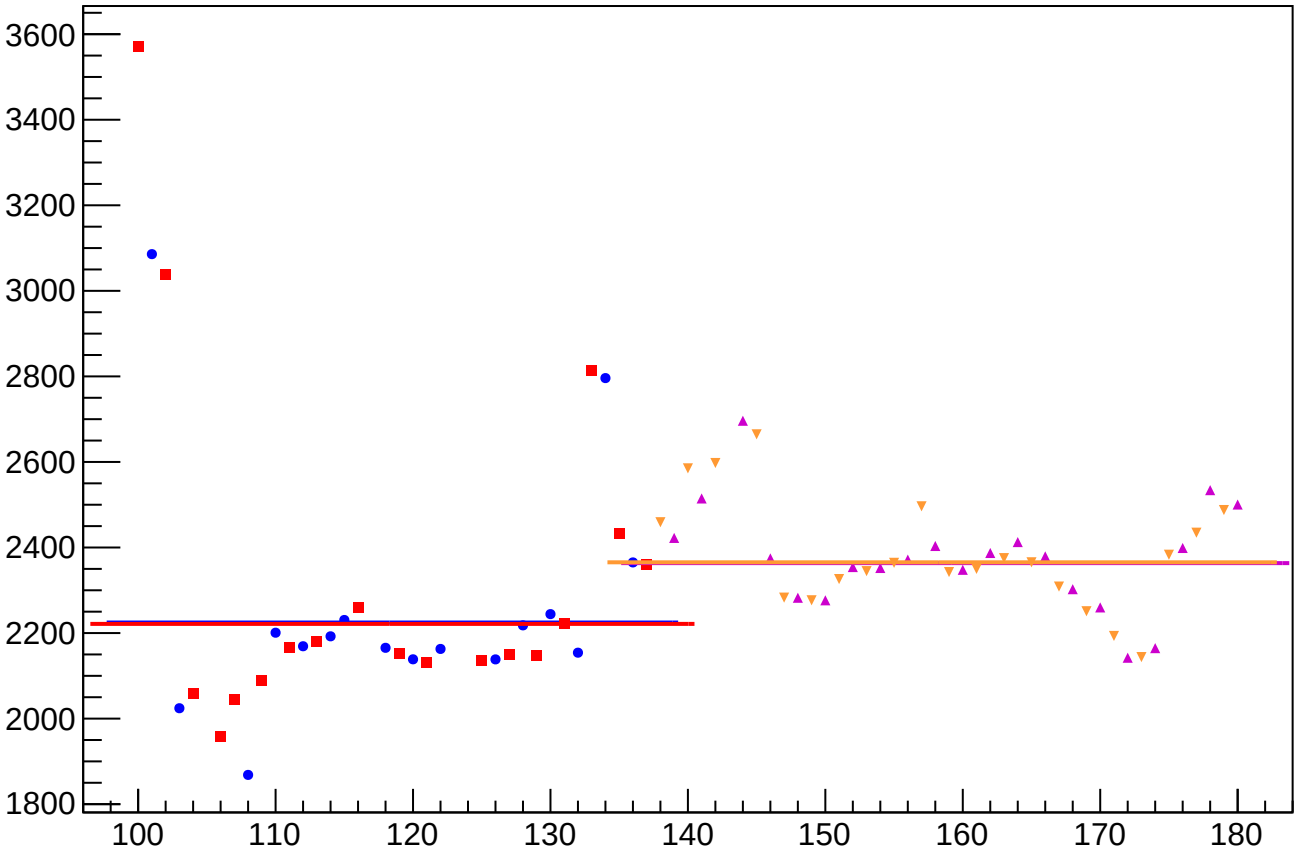
Left: 3764.649+/-406.702 χ^2/NDF: 59.2/41

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5209.836+/-470.564 χ^2/NDF:25.7/36

Out: 2973.021+/-477.389 χ^2/NDF:46.7/38

All: 4107.532+/-335.126 χ^2/NDF: 83.6/75



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2365.396+/-0.410 χ^2/NDF:89010.5/20

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2363.496+/-0.403 χ^2/NDF:90147.0/20

Left: 2364.429+/-0.288 χ^2/NDF: 179168.4/41

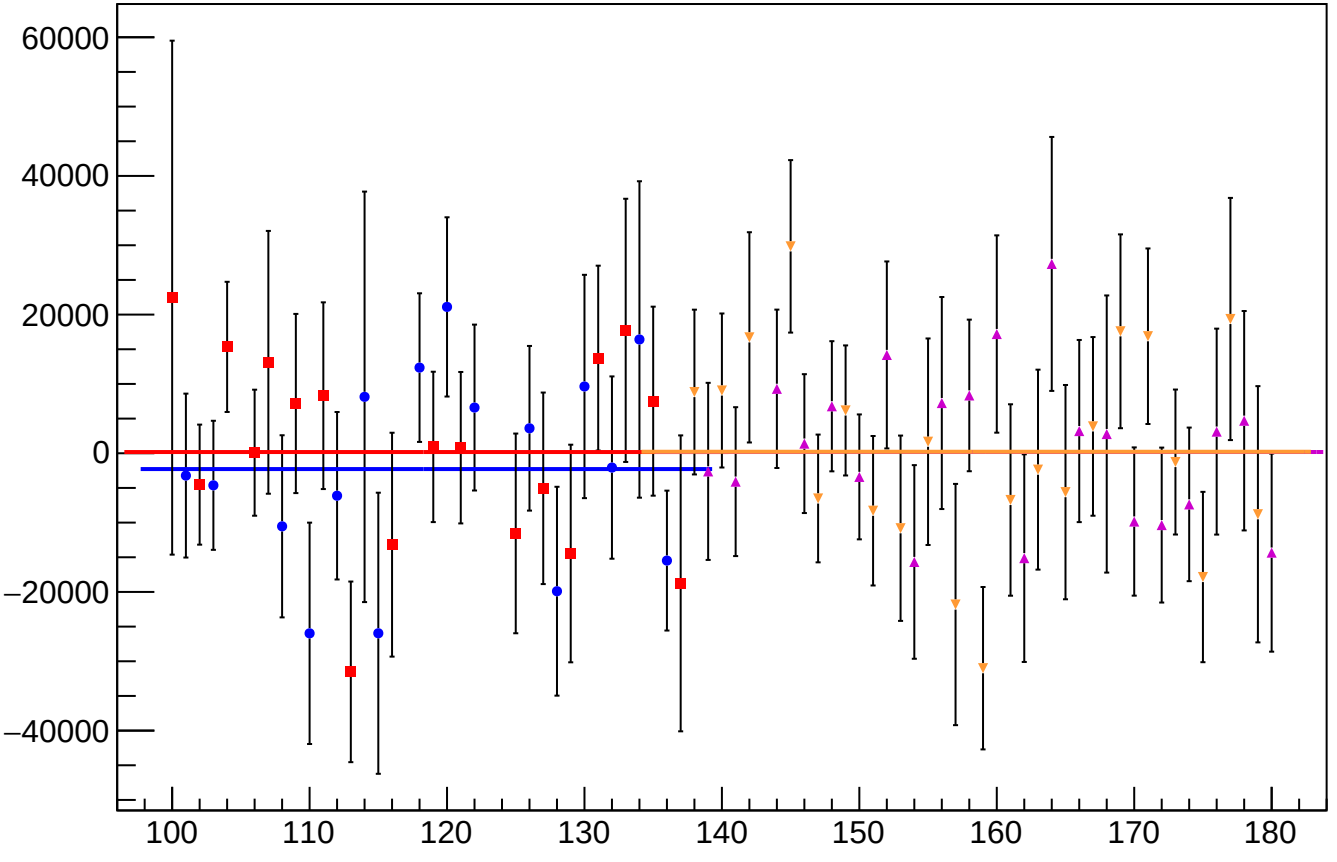
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2319.250+/-0.333 χ^2/NDF:312647.3/36

Out: 2318.783+/-0.337 χ^2/NDF:298796.4/38

All: 2319.020+/-0.237 χ^2/NDF: 611444.6/75

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 218.481+/-2751.720 χ^2/NDF:26.4/20

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 180.351+/-2687.957 χ^2/NDF:12.8/20

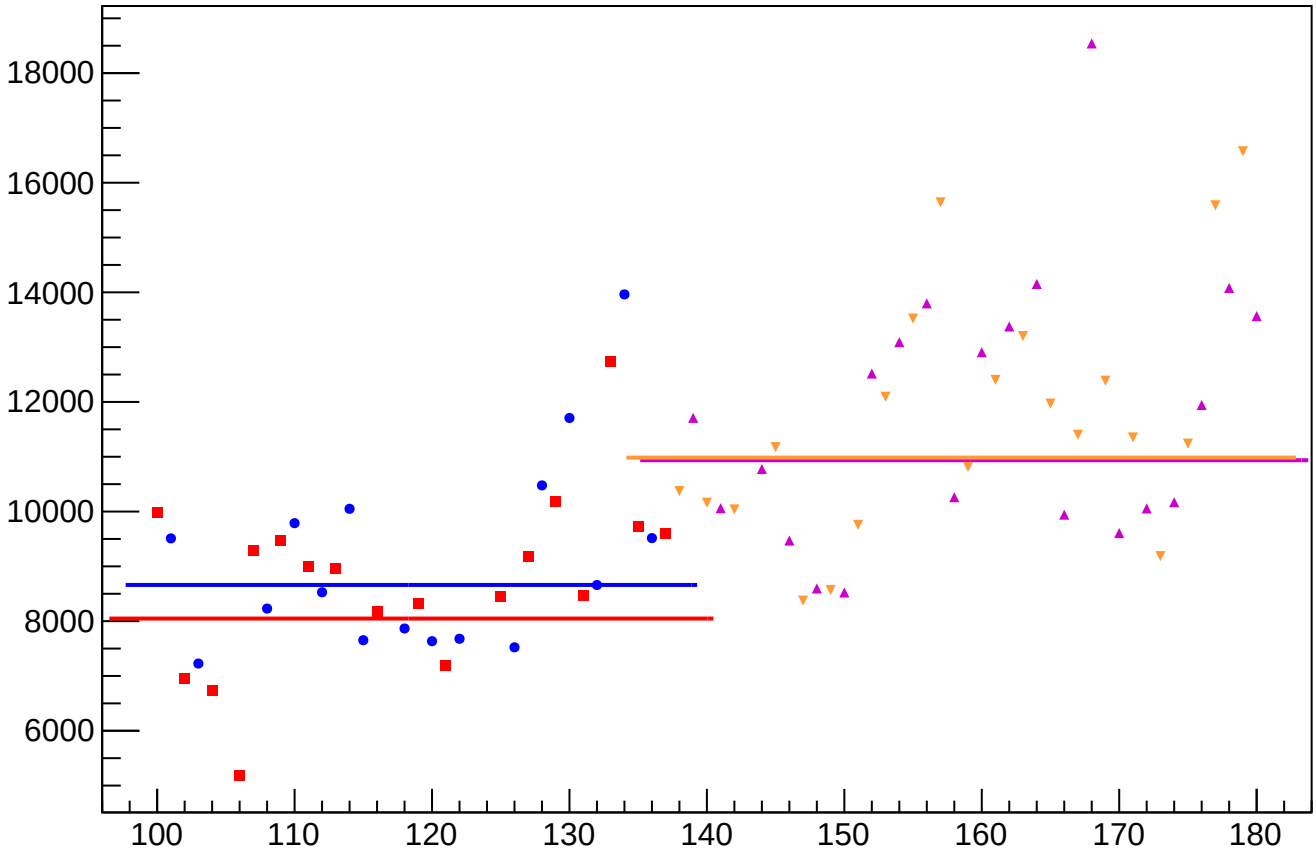
Left: 198.969+/-1922.820 χ^2/NDF: 39.2/41

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -810.478+/-2076.915 χ^2/NDF:27.6/36

Out: 199.779+/-2038.678 χ^2/NDF:42.0/38

All: -295.964+/-1454.893 χ^2/NDF: 69.8/75



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10984.378+/-1.946 χ^2/NDF:1041784.1/20

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10936.307+/-1.901 χ^2/NDF:1147427.5/20

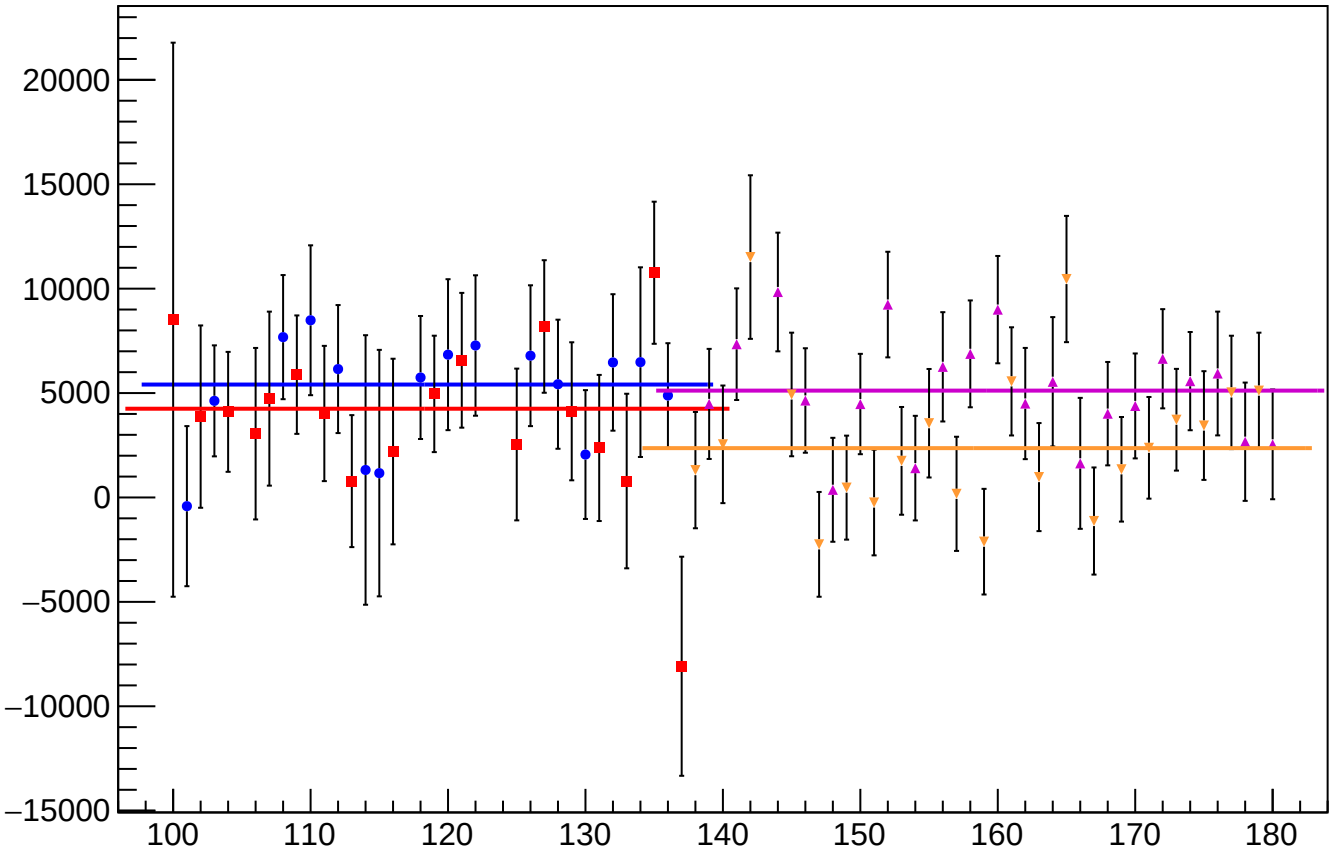
Left: 10959.779+/-1.360 χ^2/NDF: 2189524.0/41

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 10019.309+/-1.469 χ^2/NDF:2083013.3/36

Out: 9659.518+/-1.442 χ^2/NDF:2628084.2/38

All: 9836.071+/-1.029 χ^2/NDF: 4741665.0/75



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2362.411+/-580.416 χ^2/NDF:28.8/20

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5117.253+/-570.053 χ^2/NDF:18.9/20

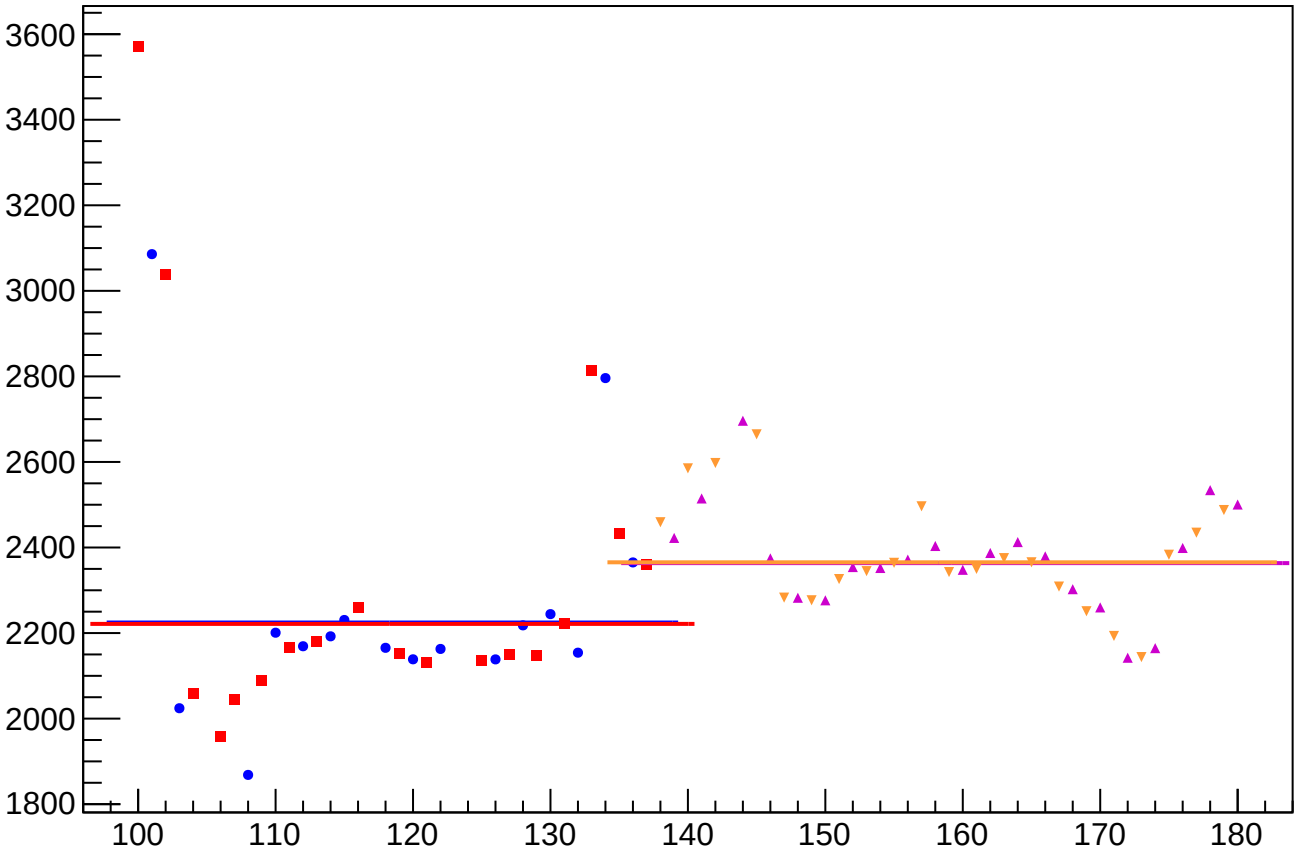
Left: 3764.645+/-406.703 χ^2/NDF: 59.2/41

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5209.840+/-470.565 χ^2/NDF:25.7/36

Out: 2973.016+/-477.390 χ^2/NDF:46.7/38

All: 4107.531+/-335.126 χ^2/NDF: 83.6/75



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2365.399+/-0.410 χ^2/NDF:89015.0/20

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2363.500+/-0.403 χ^2/NDF:90151.6/20

Left: 2364.432+/-0.288 χ^2/NDF: 179177.5/41

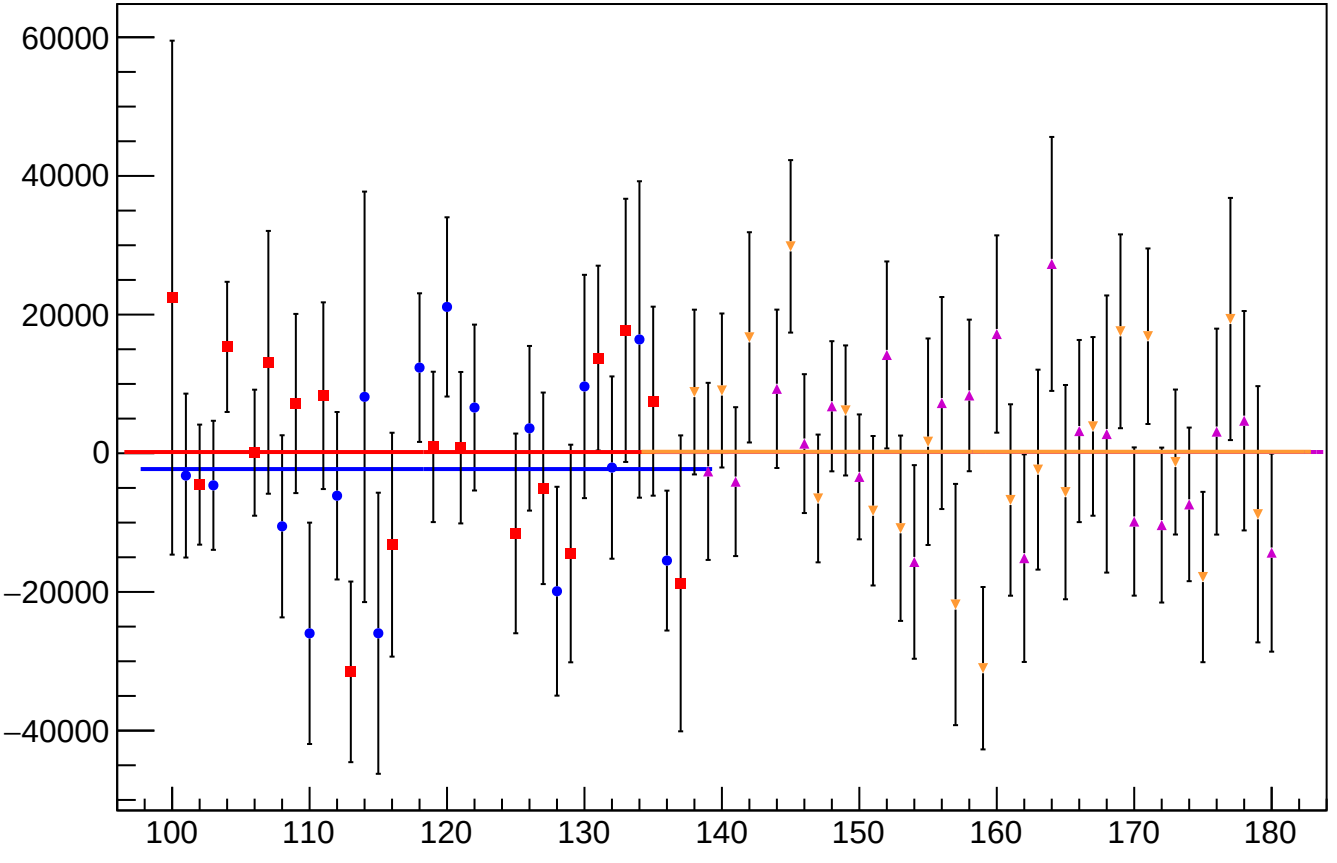
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2319.252+/-0.333 χ^2/NDF:312654.3/36

Out: 2318.784+/-0.337 χ^2/NDF:298803.2/38

All: 2319.021+/-0.237 χ^2/NDF: 611458.4/75

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 218.474+/-2751.724 χ^2/NDF:26.4/20

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 180.351+/-2687.961 χ^2/NDF:12.8/20

Left: 198.966+/-1922.823 χ^2/NDF: 39.2/41

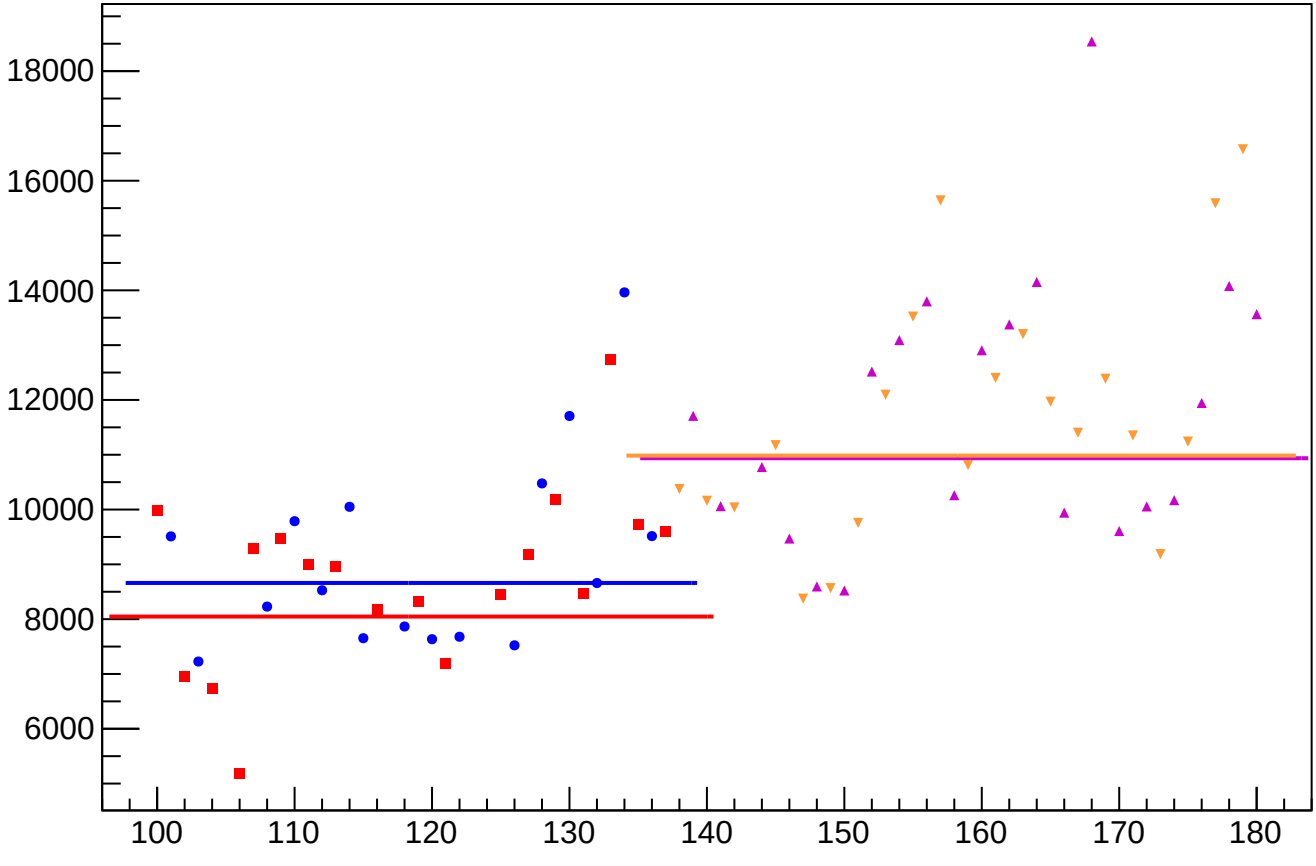
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -810.474+/-2076.915 χ^2/NDF:27.6/36

Out: 199.778+/-2038.678 χ^2/NDF:42.0/38

All: -295.963+/-1454.893 χ^2/NDF: 69.8/75

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: 10984.396+/-1.946 χ^2/NDF:1041786.7/20

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10936.325+/-1.901 χ^2/NDF:1147430.8/20

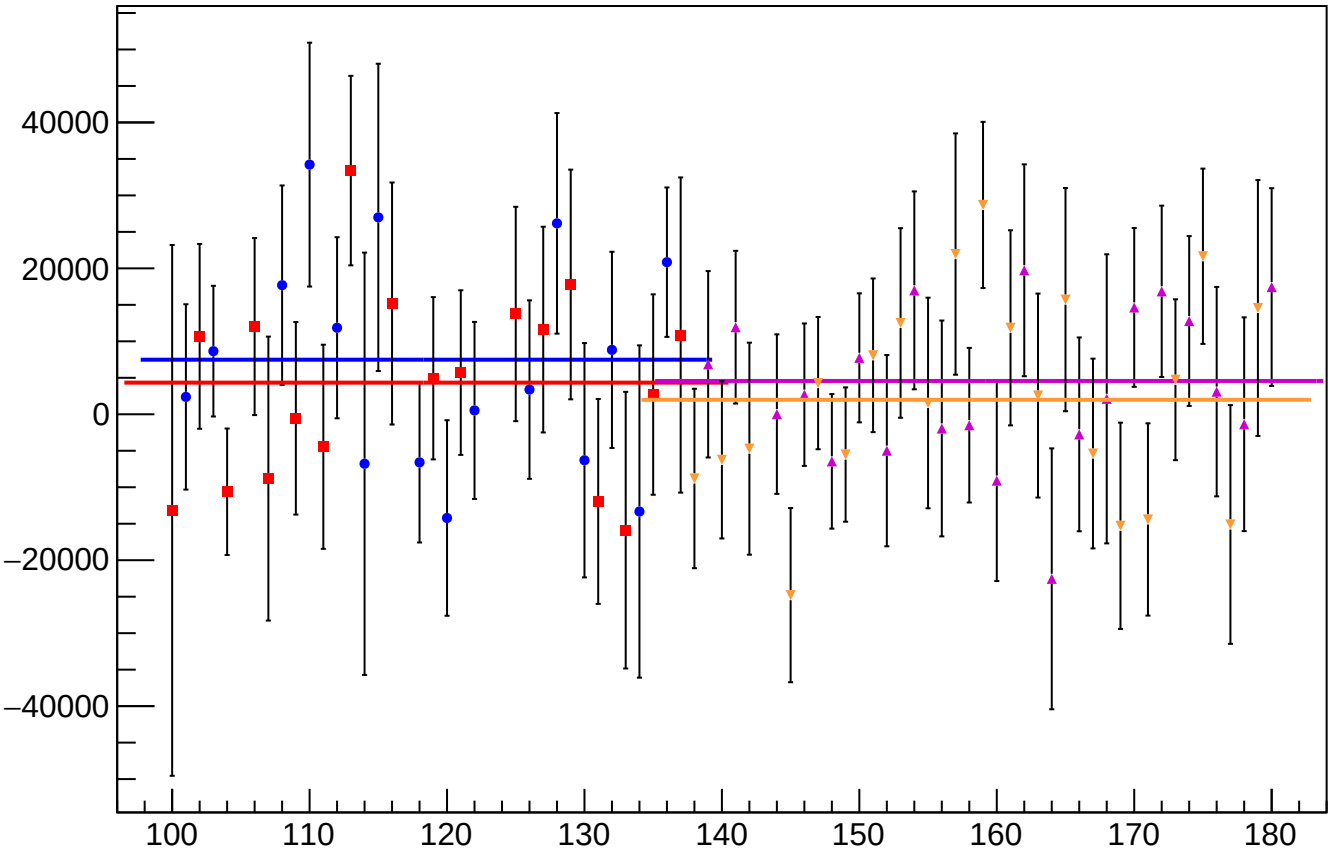
Left: 10959.797+/-1.360 χ^2/NDF: 2189529.8/41

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 10019.307+/-1.469 χ^2/NDF:2083039.2/36

Out: 9659.514+/-1.442 χ^2/NDF:2628111.2/38

All: 9836.068+/-1.029 χ^2/NDF: 4741718.1/75



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1985.816+/-2712.986 χ^2/NDF:24.3/20

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4568.318+/-2646.129 χ^2/NDF:12.4/20

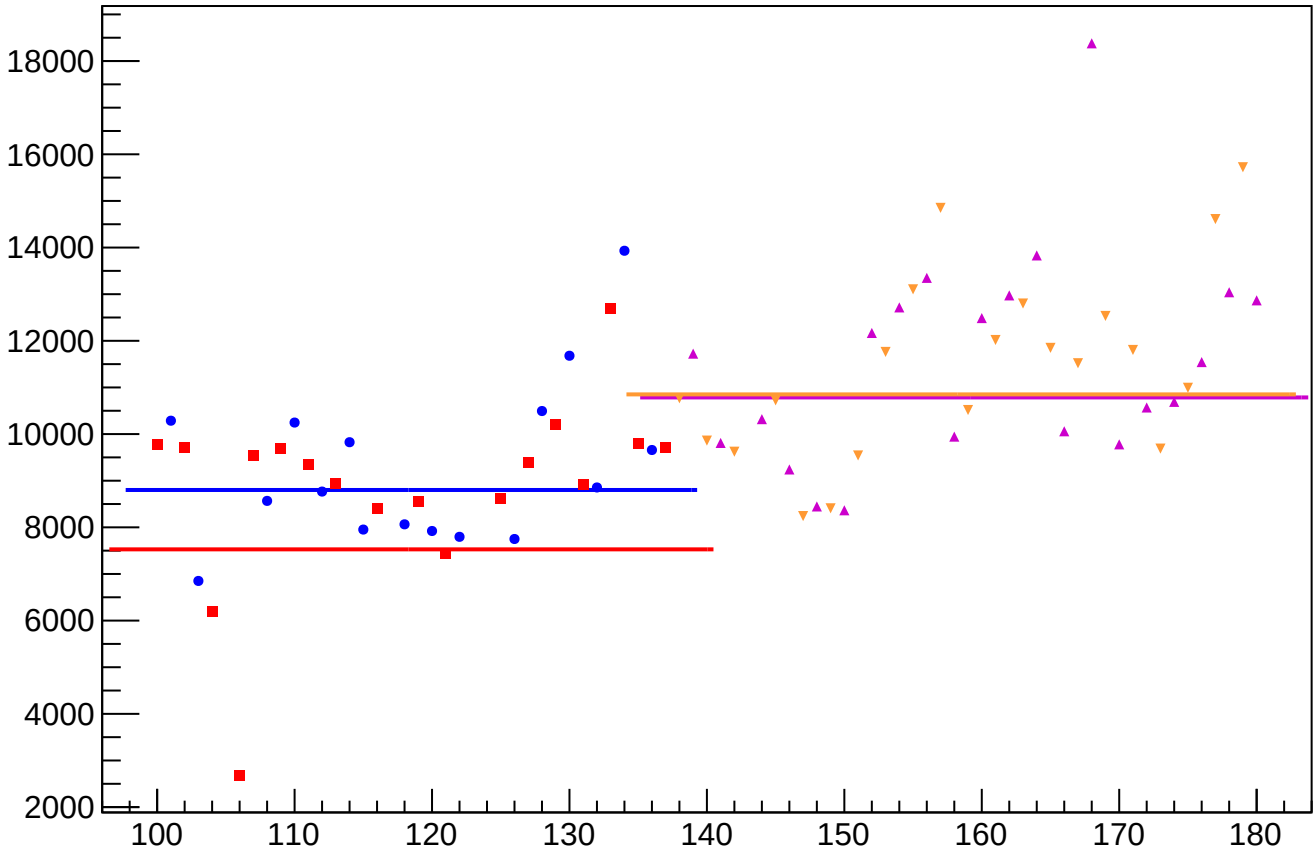
Left: 3309.279+/-1894.291 χ^2/NDF: 37.2/41

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5695.576+/-2071.912 χ^2/NDF:26.9/36

Out: 2954.437+/-2080.760 χ^2/NDF:39.0/38

All: 4330.847+/-1468.181 χ^2/NDF: 66.7/75



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10851.078+/-1.918 χ^2/NDF:935568.1/20

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10785.710+/-1.871 χ^2/NDF:1047781.2/20

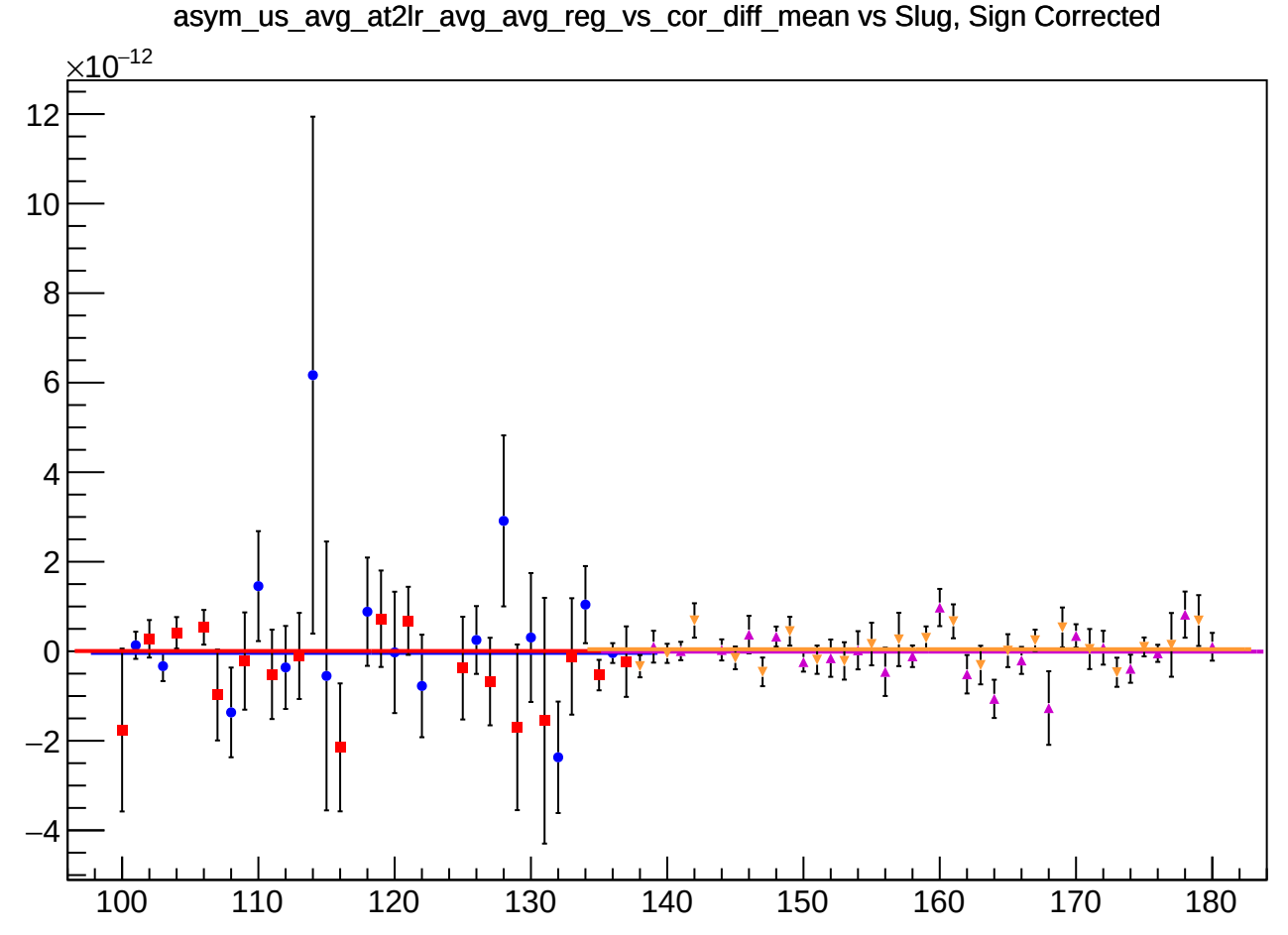
Left: 10817.578+/-1.339 χ^2/NDF: 1983944.4/41

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 10017.813+/-1.465 χ^2/NDF:1877658.8/36

Out: 9361.398+/-1.425 χ^2/NDF:3938091.1/38

All: 9680.499+/-1.021 χ^2/NDF: 5918908.5/75



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.3/20

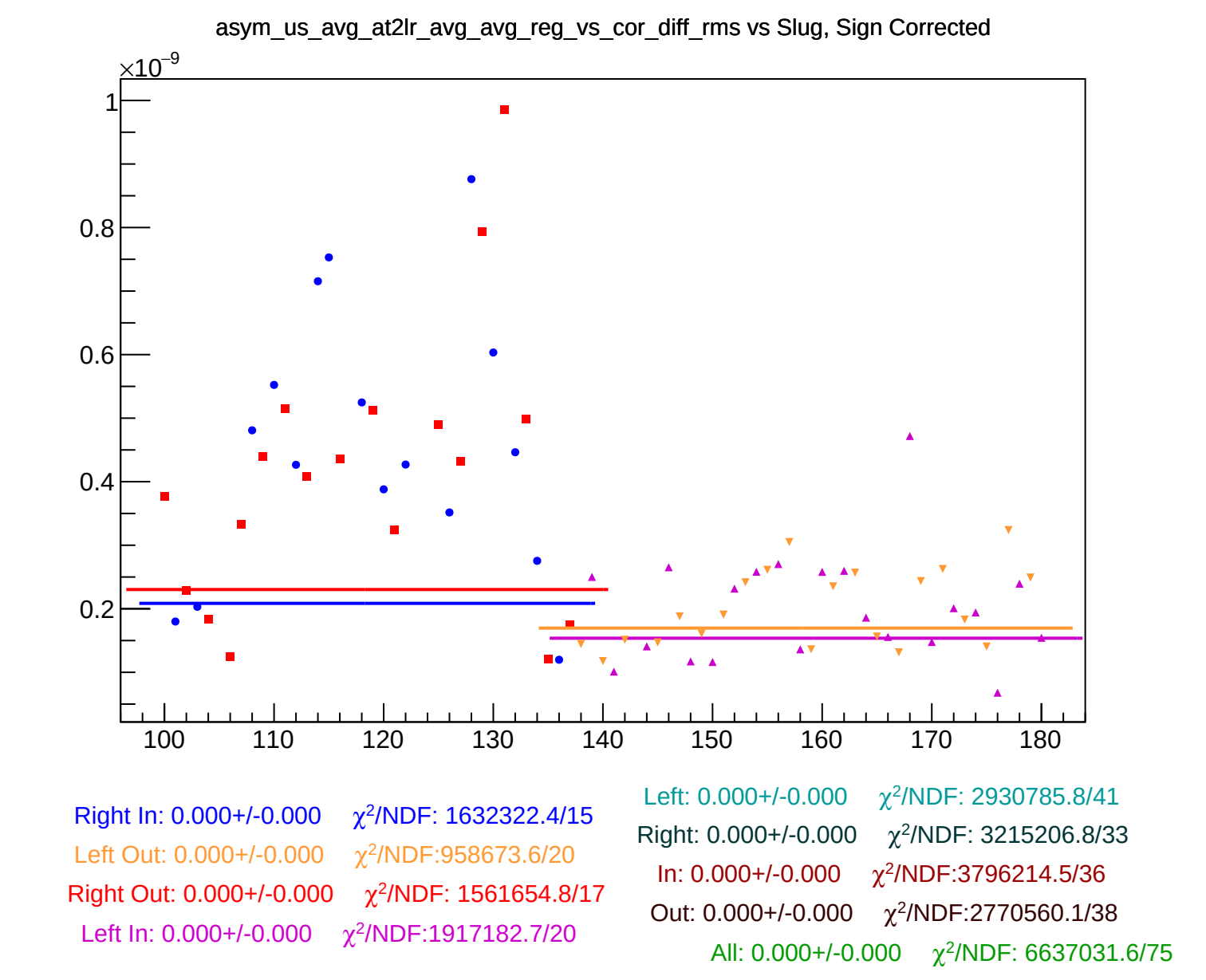
Left: 0.000+/-0.000 χ^2/NDF: 48.8/41

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

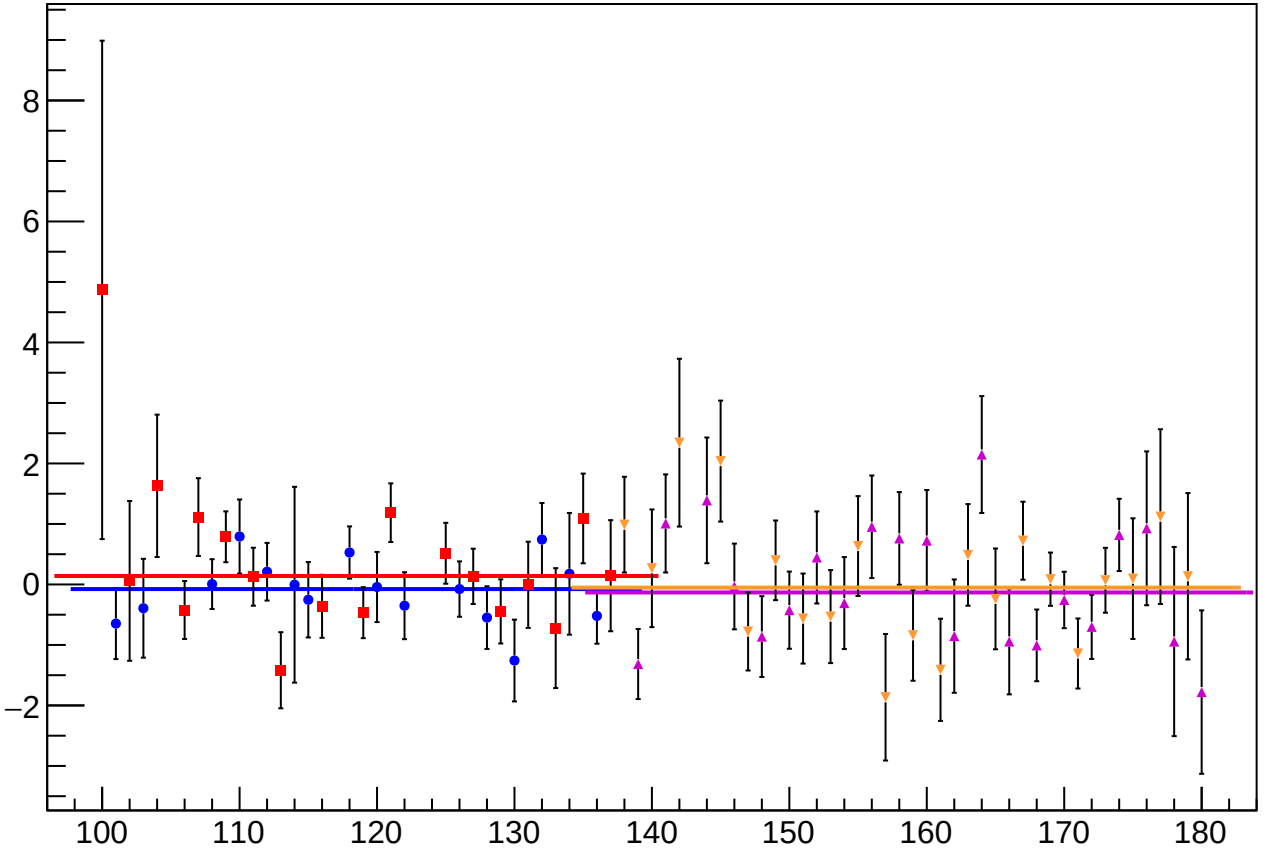
In: -0.000+/-0.000 χ^2/NDF:41.7/36

Out: 0.000+/-0.000 χ^2/NDF:35.0/38

All: 0.000+/-0.000 χ^2/NDF: 77.0/75


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:958673.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:1917182.7/20
Left: 0.000+/-0.000 χ²/NDF: 2930785.8/41
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:3796214.5/36
Out: 0.000+/-0.000 χ²/NDF:2770560.1/38
All: 0.000+/-0.000 χ²/NDF: 6637031.6/75

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: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.133+/-0.160 χ^2/NDF:29.8/20

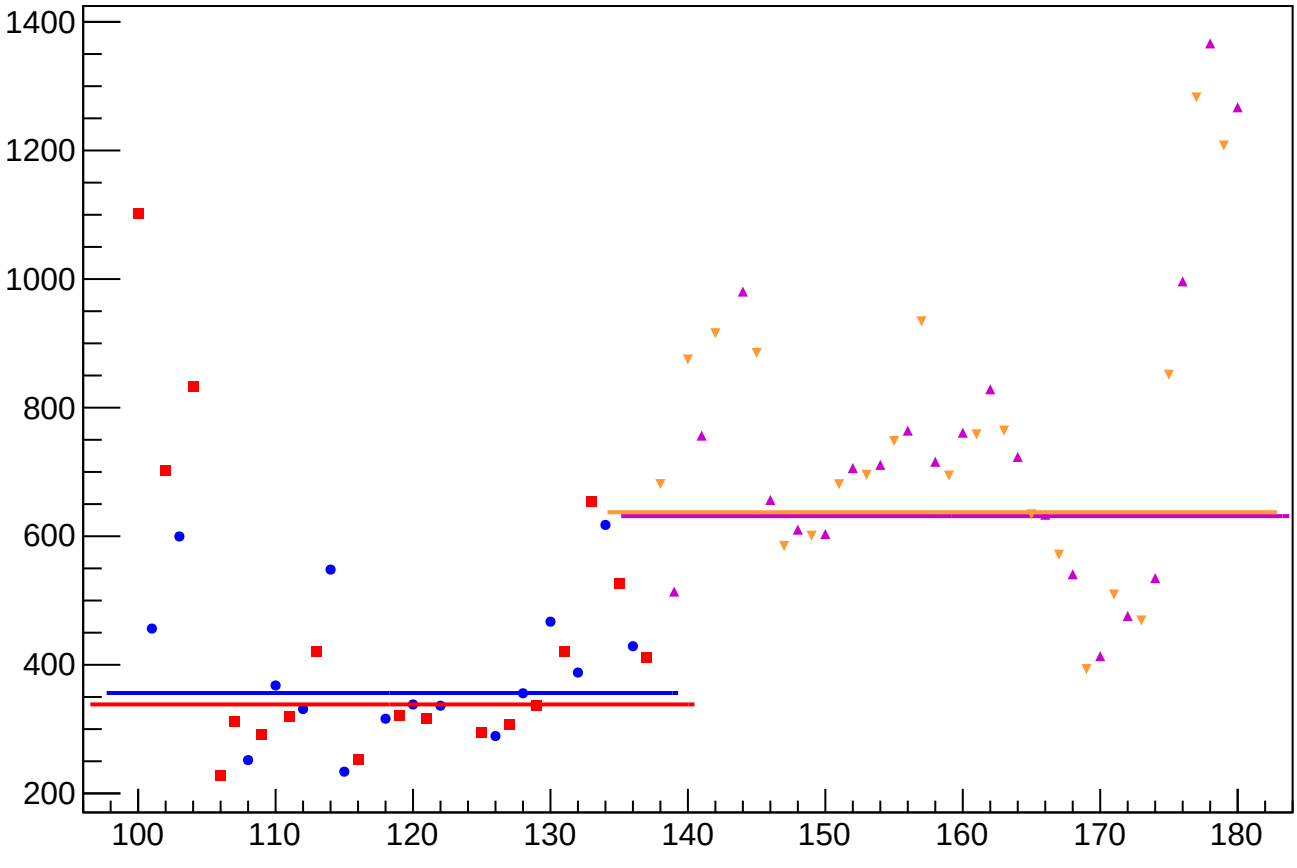
Left: -0.093+/-0.115 χ^2/NDF: 55.4/41

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.101+/-0.105 χ^2/NDF:42.4/36

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.020+/-0.075 χ^2/NDF: 96.8/75



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 637.367+/-0.116 χ^2/NDF:2426910.8/20

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 631.296+/-0.113 χ^2/NDF:2391172.1/20

Left: 634.245+/-0.081 χ^2/NDF: 4819479.6/41

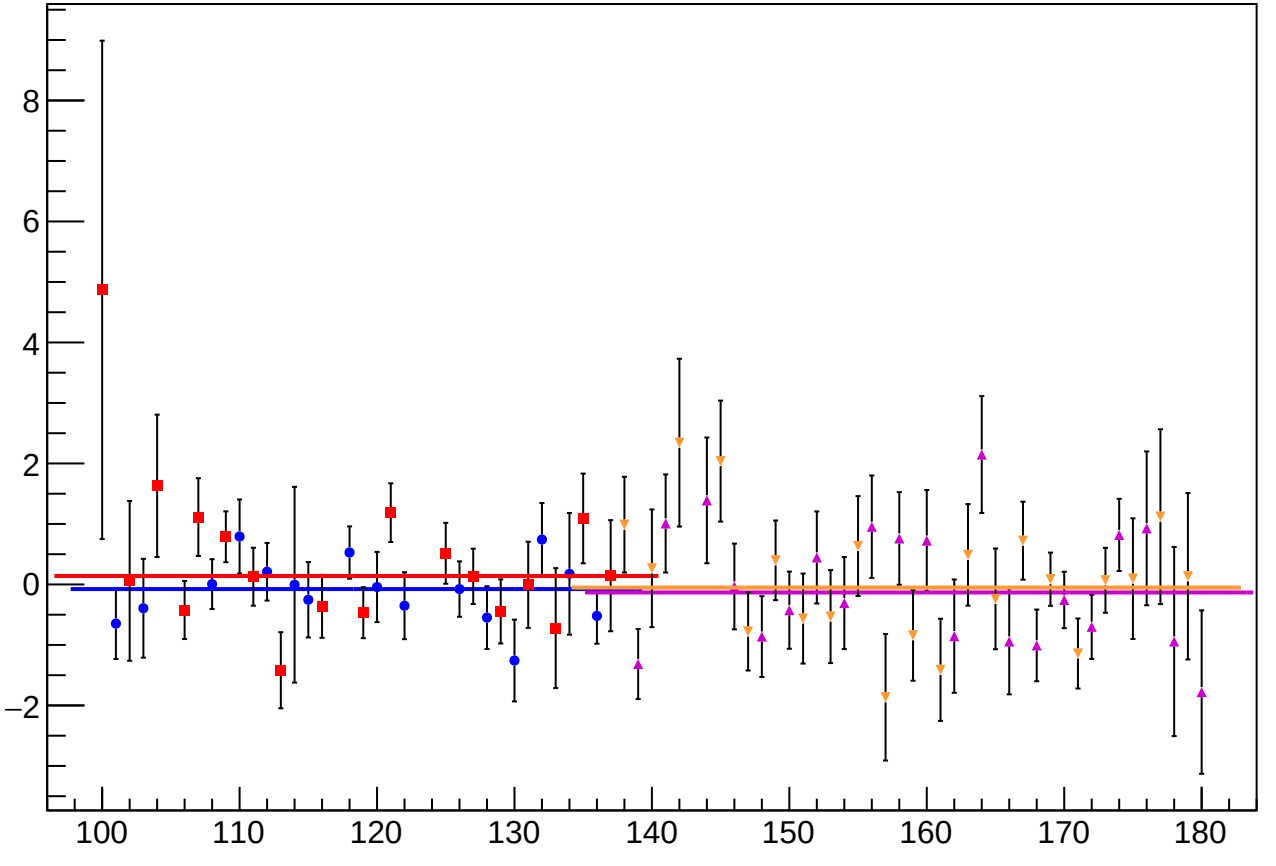
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 475.294+/-0.074 χ^2/NDF:6524534.9/36

Out: 461.647+/-0.075 χ^2/NDF:7501001.1/38

All: 468.498+/-0.053 χ^2/NDF: 14042247.6/75

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: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.133+/-0.160 χ^2/NDF:29.8/20

Left: -0.093+/-0.115 χ^2/NDF: 55.4/41

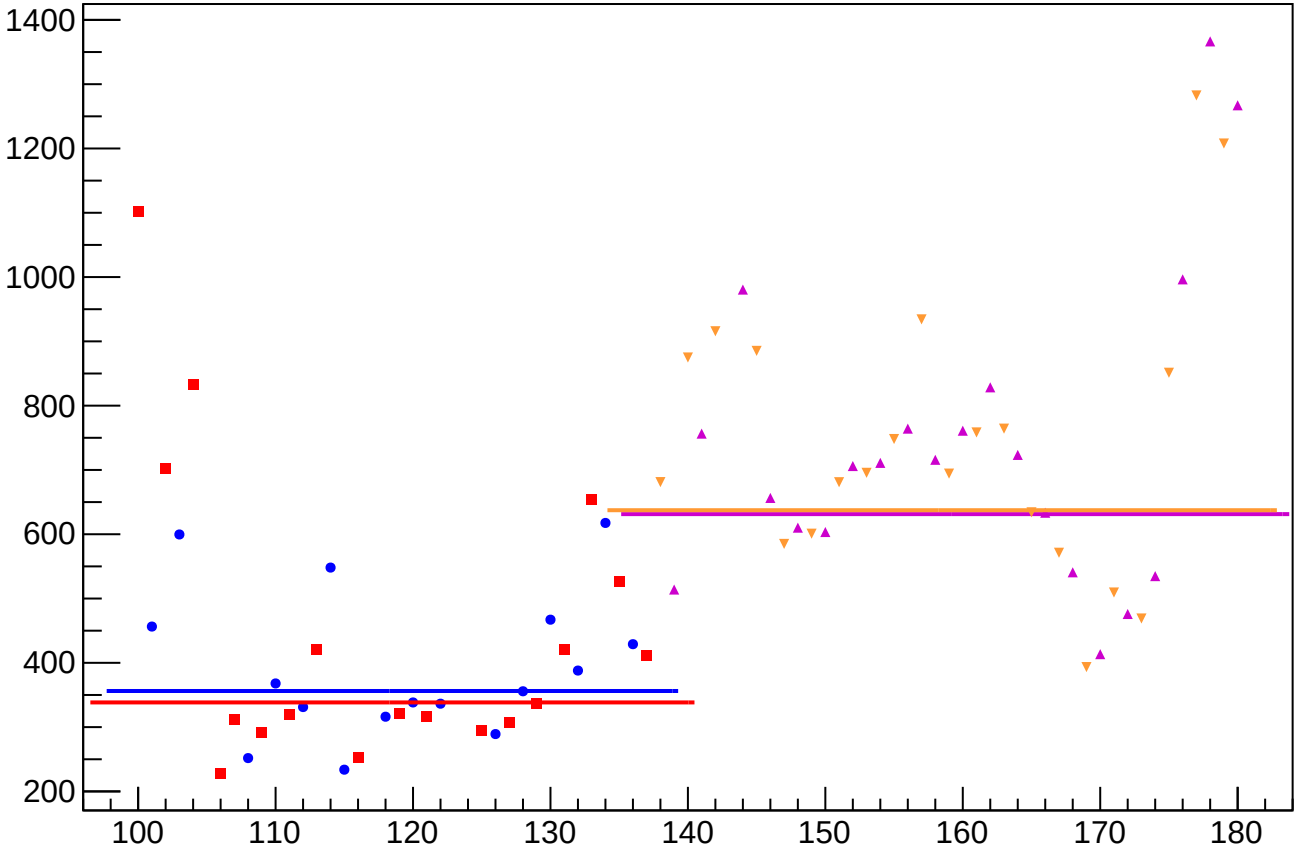
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.101+/-0.105 χ^2/NDF:42.4/36

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.020+/-0.075 χ^2/NDF: 96.8/75

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: 637.367+/-0.116 χ^2/NDF:2426910.8/20

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 631.296+/-0.113 χ^2/NDF:2391172.1/20

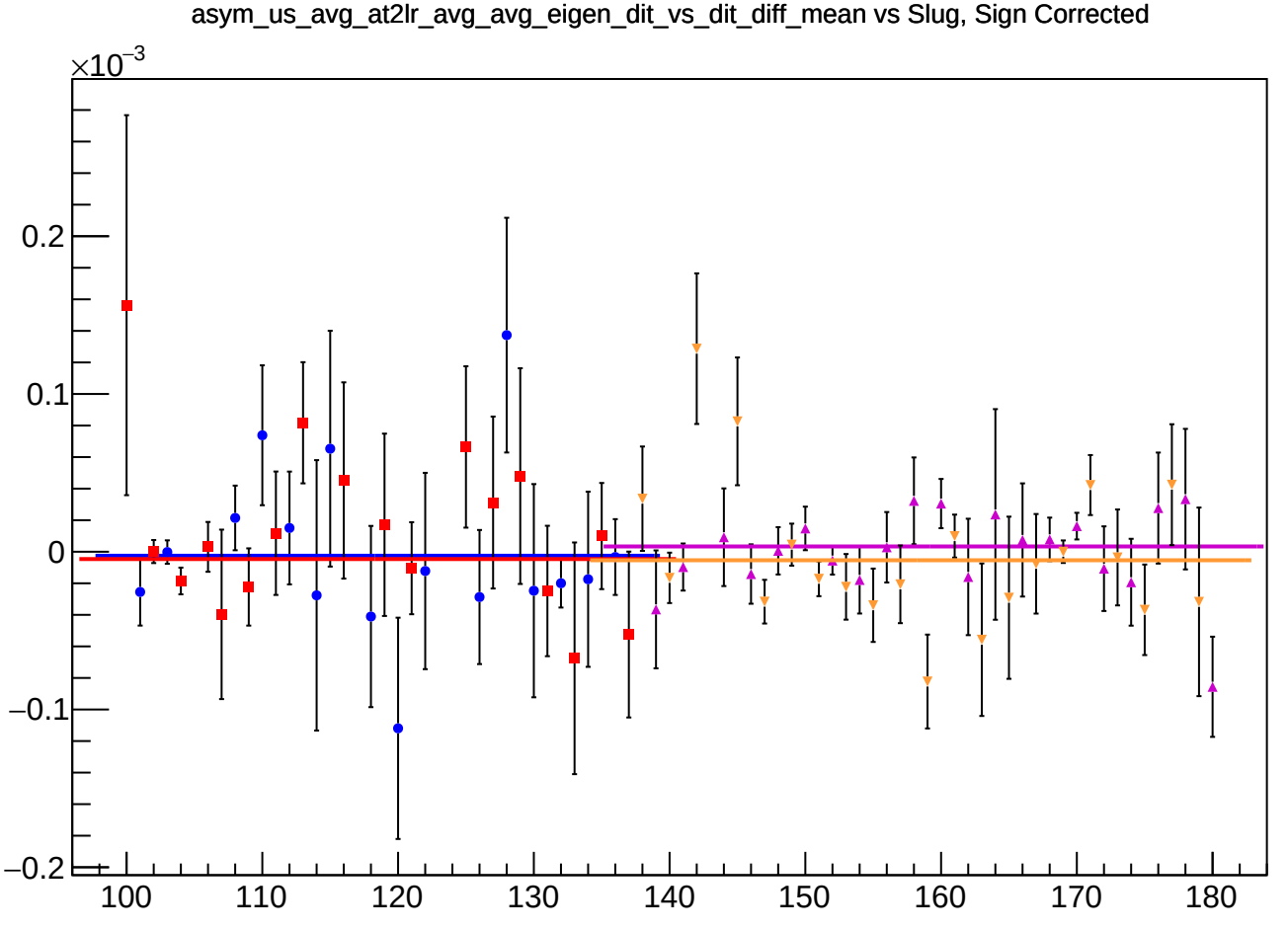
Left: 634.245+/-0.081 χ^2/NDF: 4819479.6/41

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 475.294+/-0.074 χ^2/NDF:6524534.9/36

Out: 461.647+/-0.075 χ^2/NDF:7501001.1/38

All: 468.498+/-0.053 χ^2/NDF: 14042247.6/75



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/20

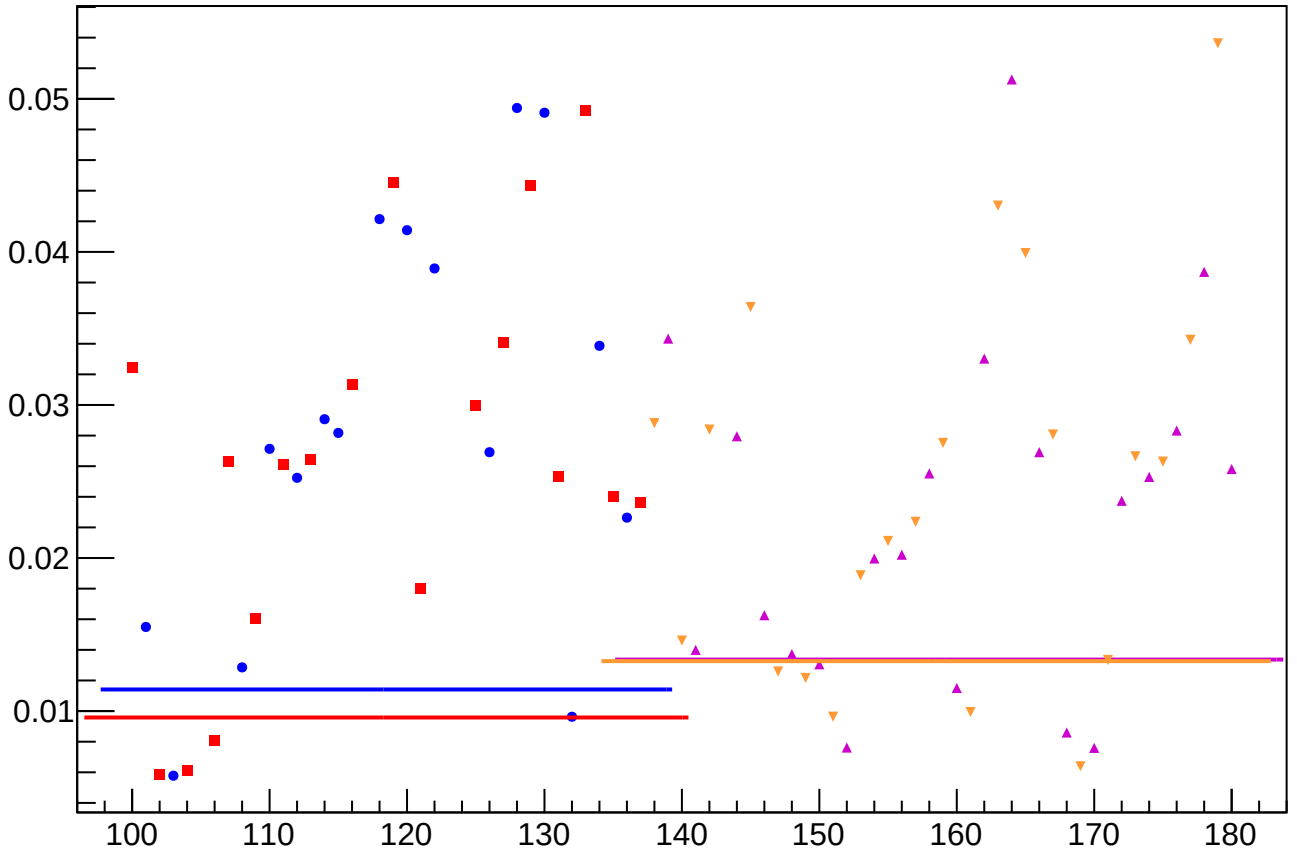
Left: -0.000+/-0.000 χ^2/NDF: 66.1/41

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:38.0/36

Out: -0.000+/-0.000 χ^2/NDF:58.5/38

All: -0.000+/-0.000 χ^2/NDF: 98.7/75



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8676889.0/20

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7426674.2/20

Left: 0.013+/-0.000 χ^2/NDF: 16104240.9/41

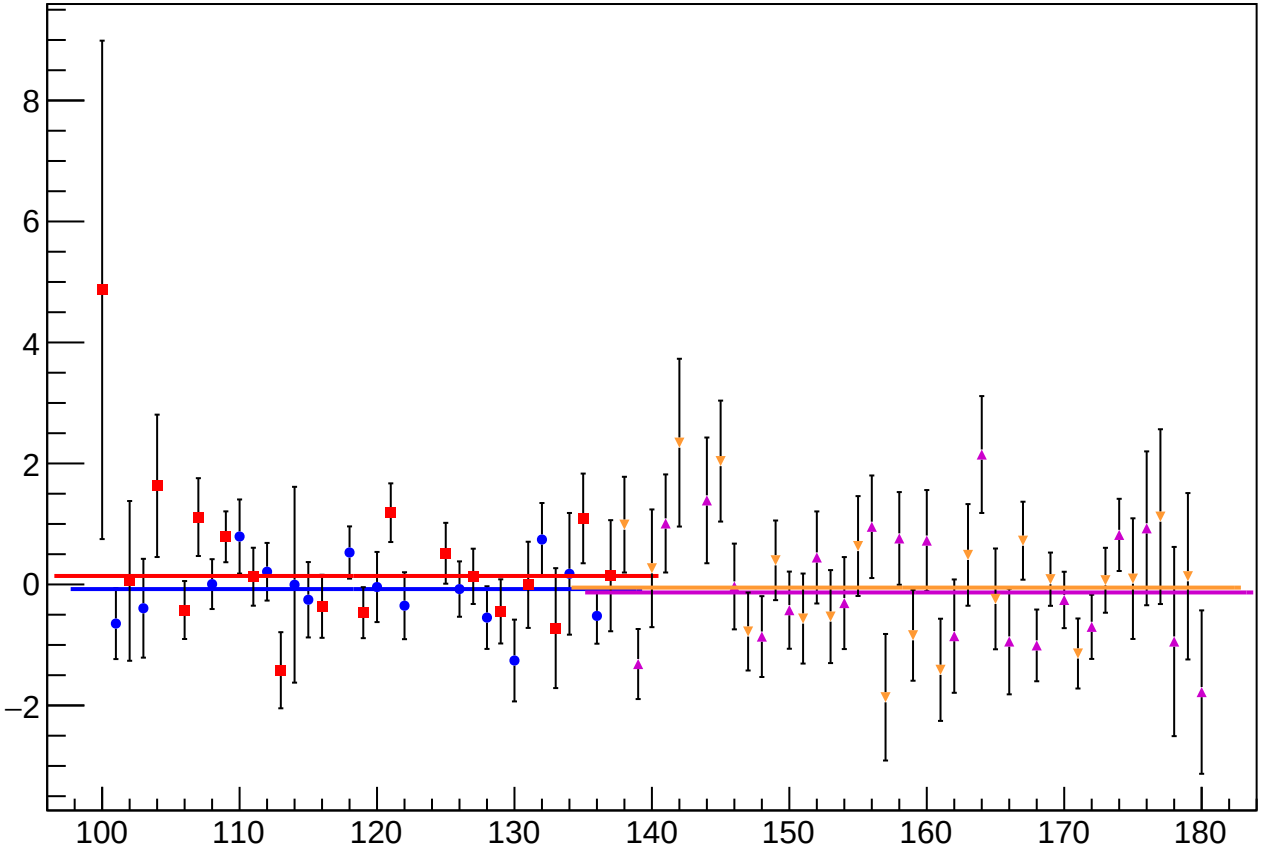
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:13093704.9/36

Out: 0.012+/-0.000 χ^2/NDF:15183228.0/38

All: 0.012+/-0.000 χ^2/NDF: 28375519.1/75

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: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.133+/-0.160 χ^2/NDF:29.8/20

Left: -0.093+/-0.115 χ^2/NDF: 55.4/41

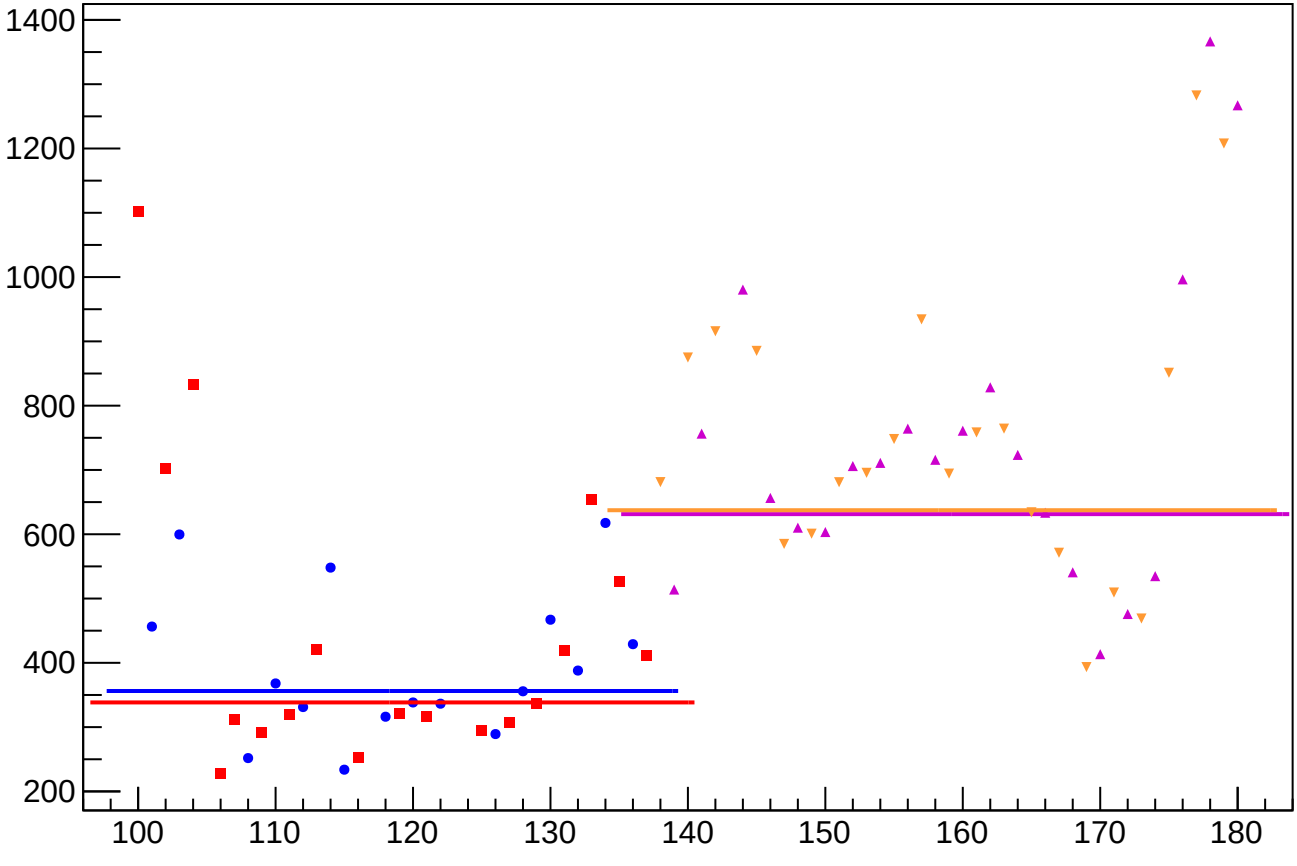
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.101+/-0.105 χ^2/NDF:42.4/36

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.020+/-0.075 χ^2/NDF: 96.8/75

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

Left: 634.247+/-0.081 χ^2/NDF: 4819836.6/41

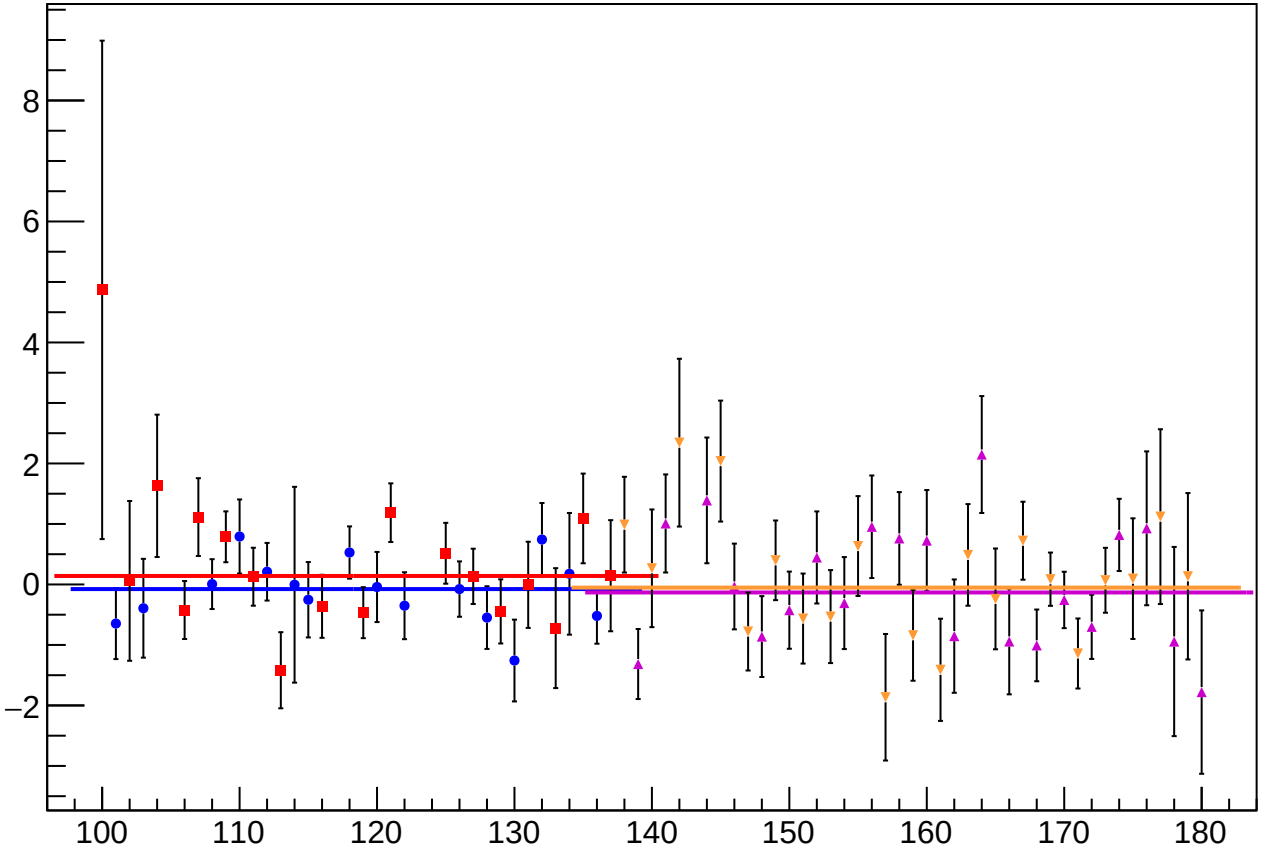
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 475.293+/-0.074 χ^2/NDF:6524741.3/36

Out: 461.645+/-0.075 χ^2/NDF:7501250.4/38

All: 468.496+/-0.053 χ^2/NDF: 14042707.0/75

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: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.133+/-0.160 χ^2/NDF:29.8/20

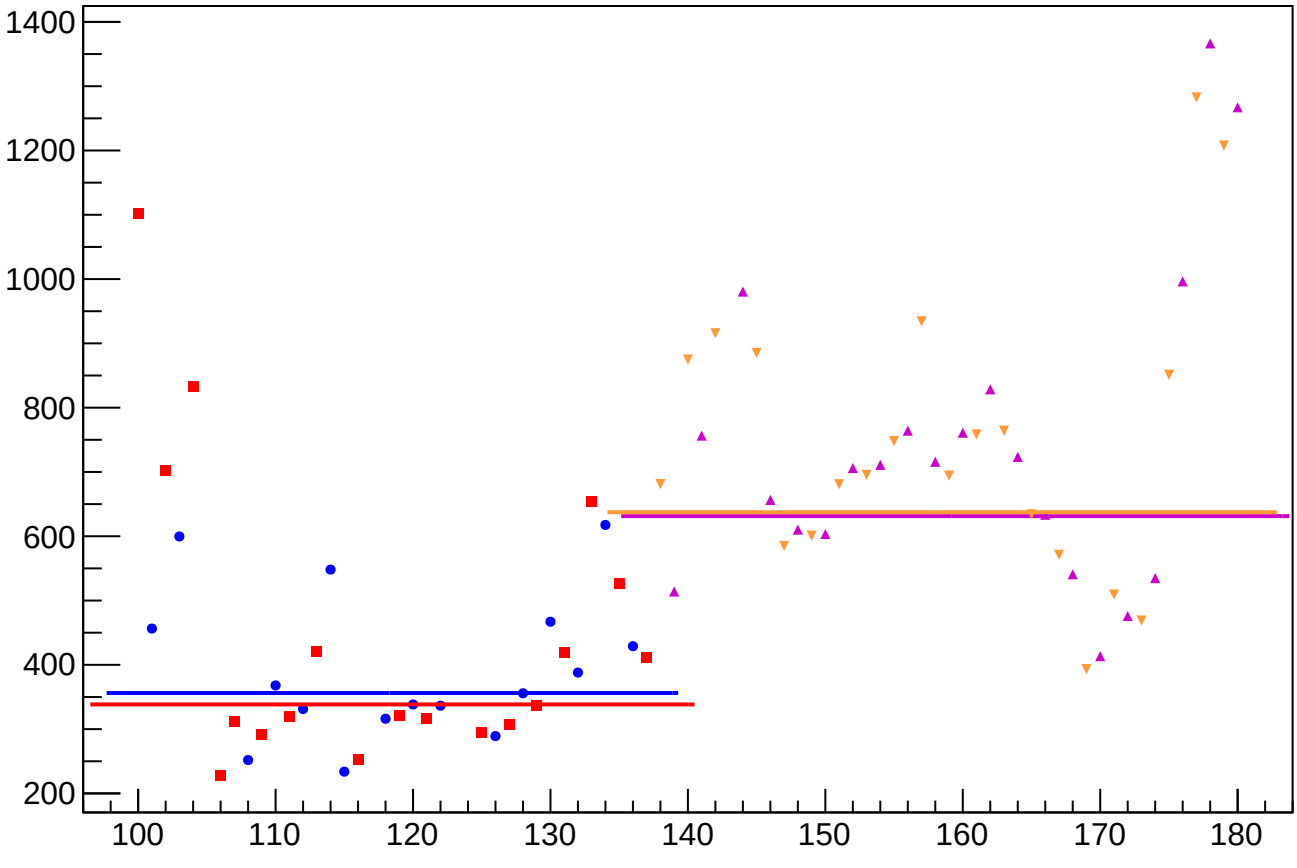
Left: -0.093+/-0.115 χ^2/NDF: 55.4/41

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.101+/-0.105 χ^2/NDF:42.4/36

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.020+/-0.075 χ^2/NDF: 96.8/75



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 631.299+/-0.113 χ^2/NDF:2391322.1/20

Left: 634.247+/-0.081 χ^2/NDF: 4819836.6/41

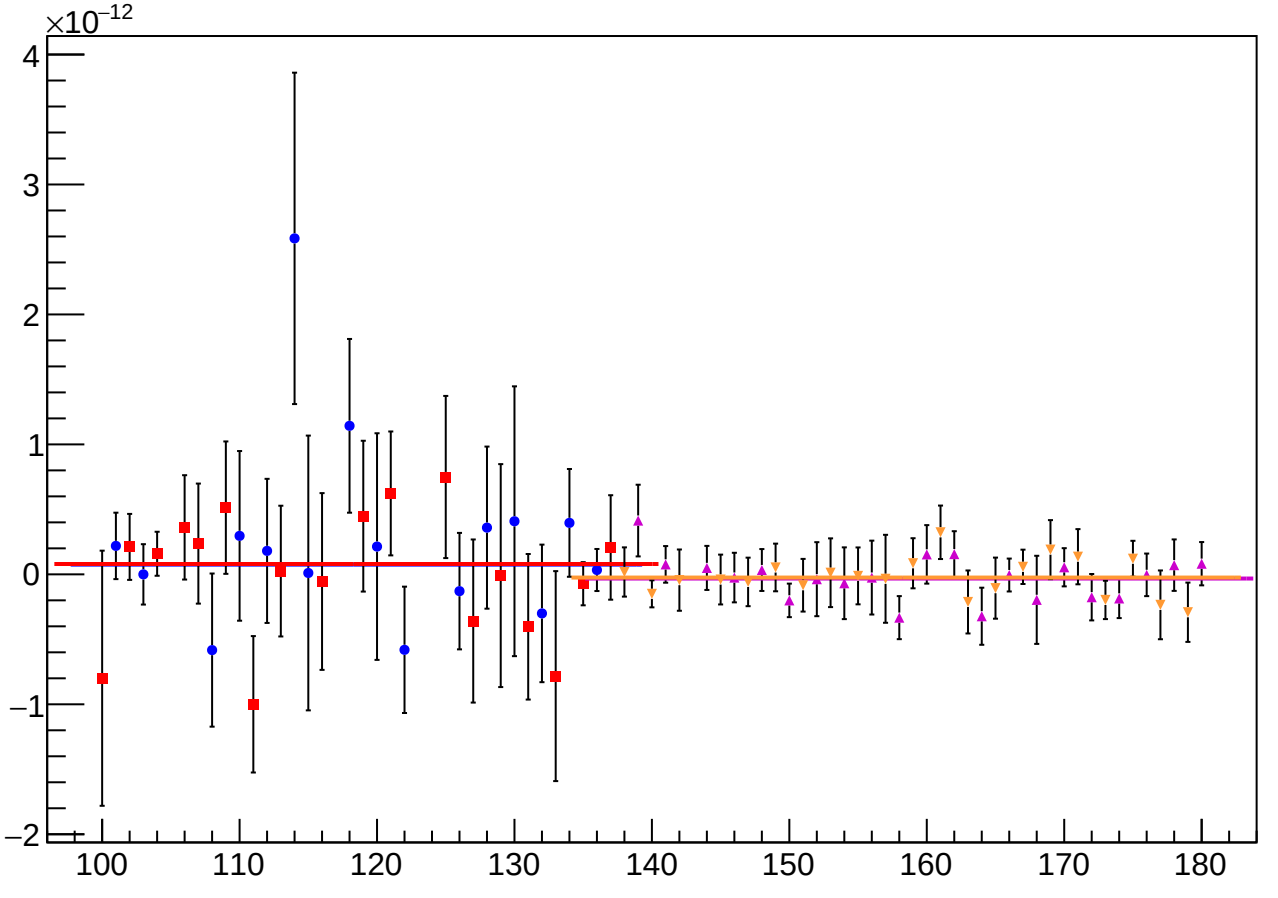
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 475.293+/-0.074 χ^2/NDF:6524741.3/36

Out: 461.645+/-0.075 χ^2/NDF:7501250.4/38

All: 468.496+/-0.053 χ^2/NDF: 14042707.0/75

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:12.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.3/20

Left: -0.000+/-0.000 χ^2/NDF: 27.3/41

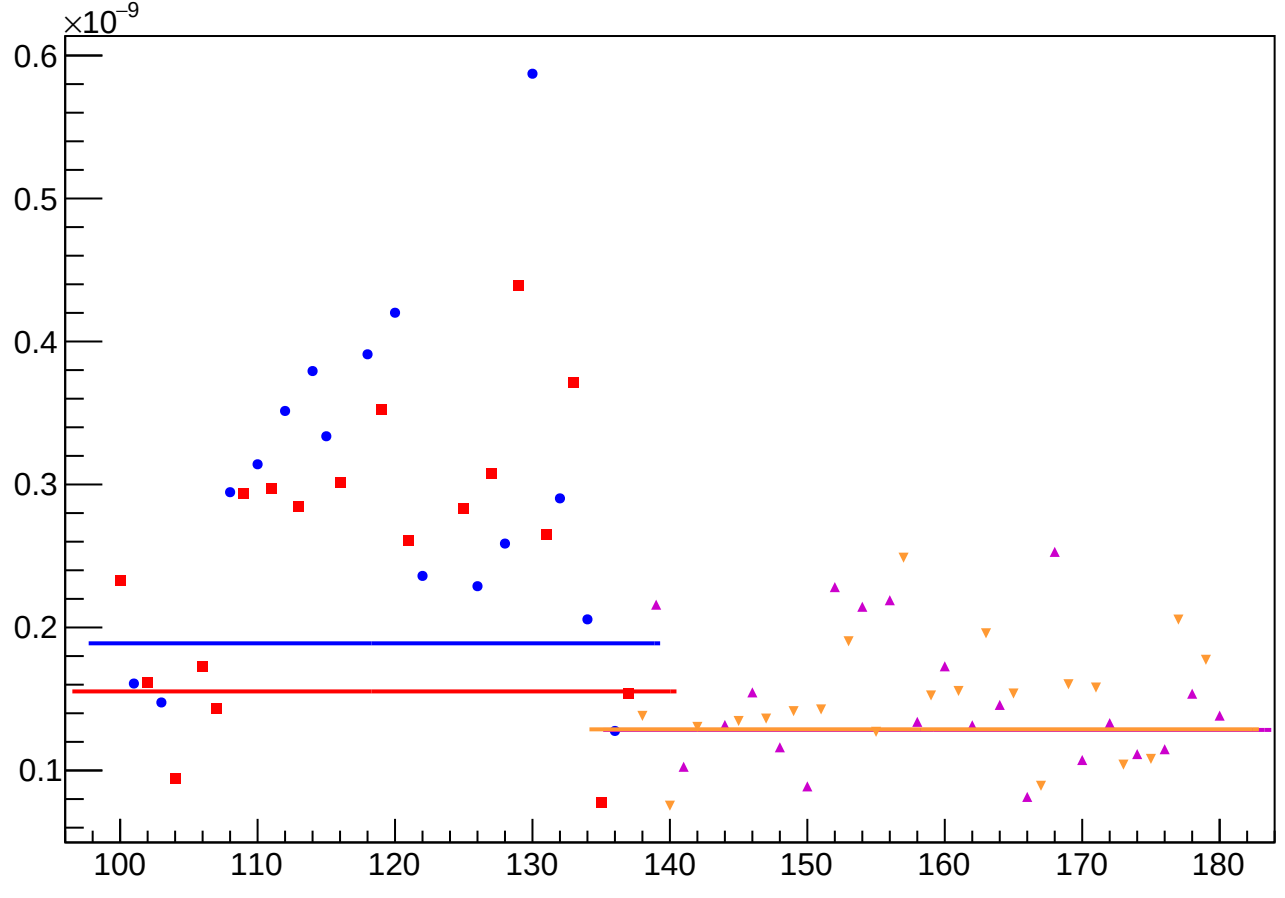
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:28.1/36

Out: -0.000+/-0.000 χ^2/NDF:26.4/38

All: -0.000+/-0.000 χ^2/NDF: 54.5/75

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1773136.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1908837.7/20

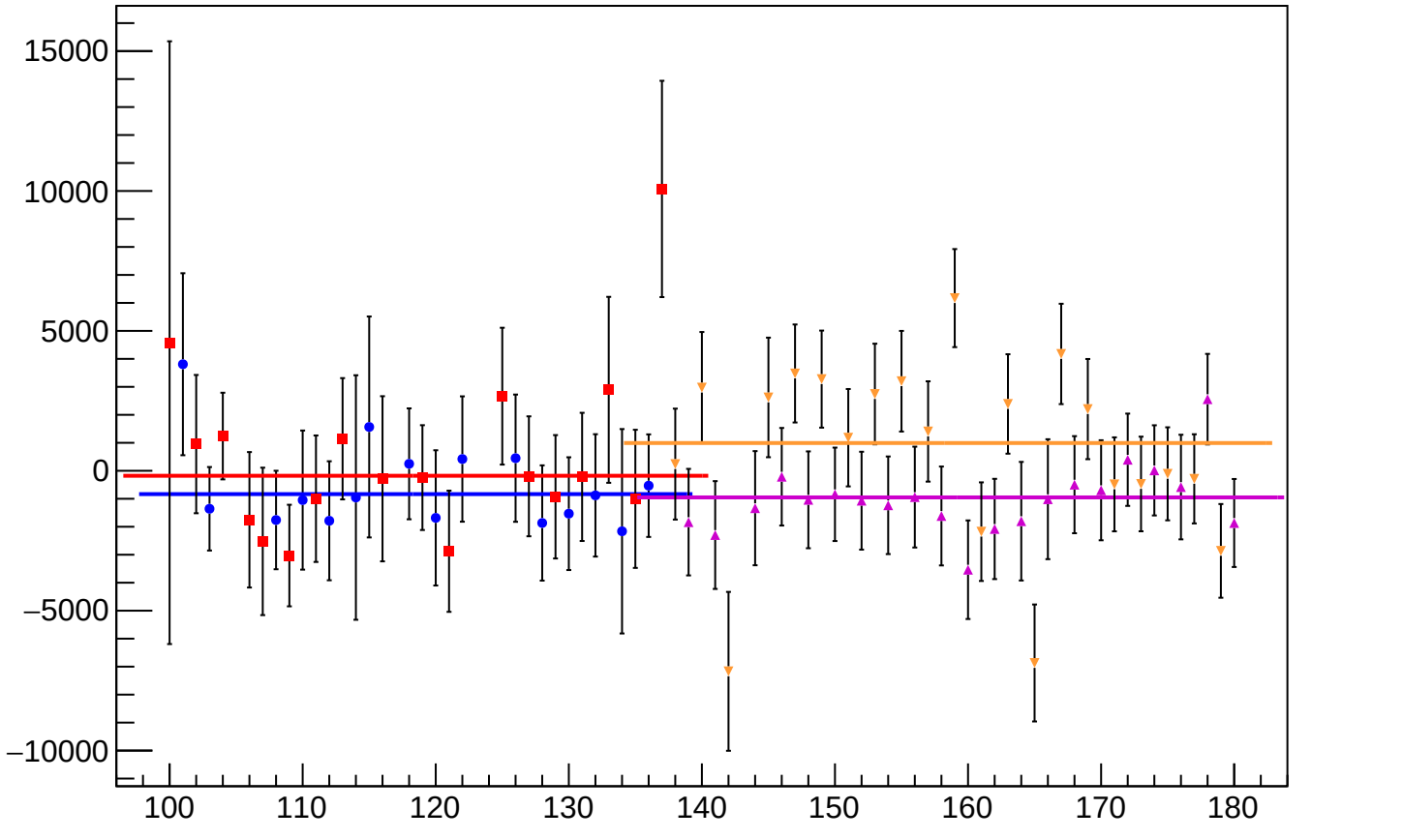
Left: 0.000+/-0.000 χ^2/NDF: 3682080.5/41

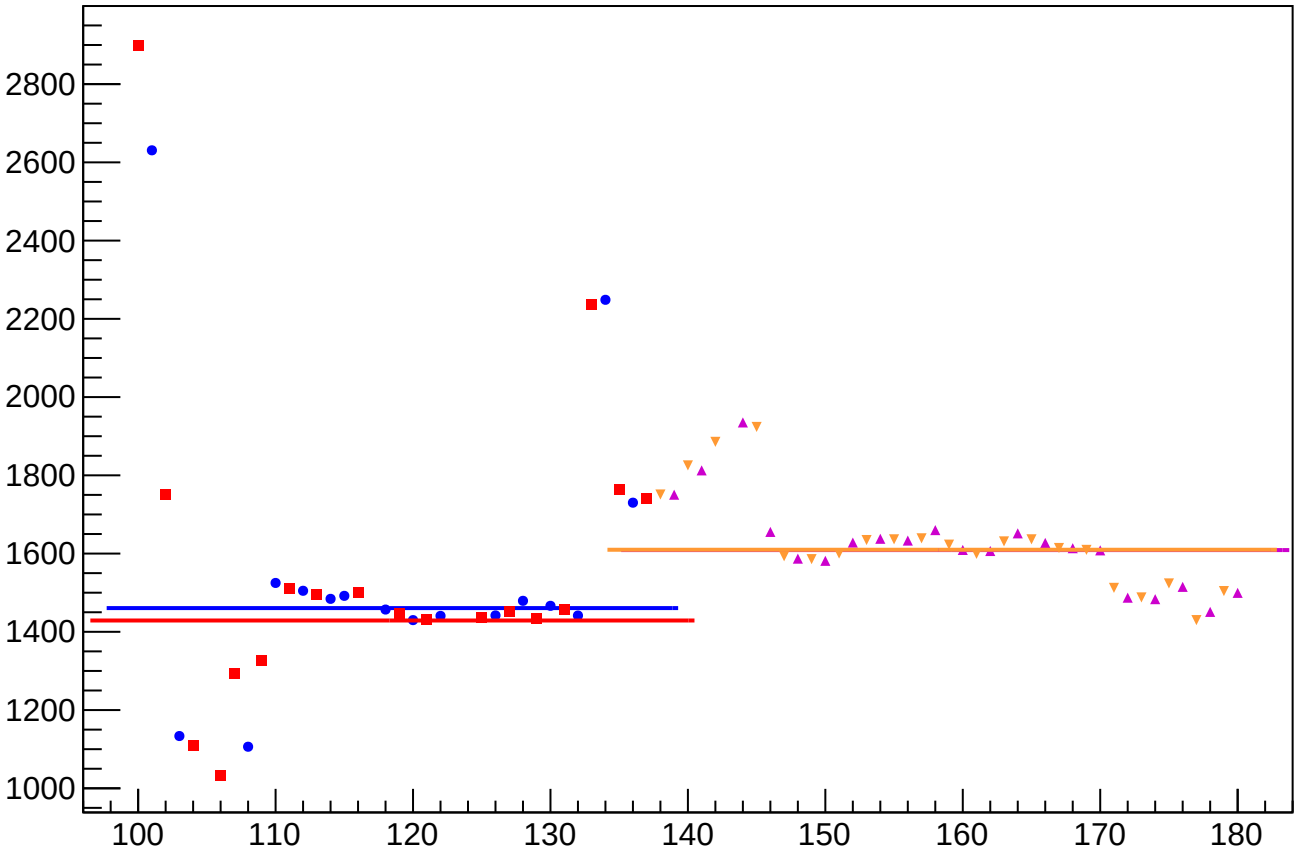
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:4108871.6/36

Out: 0.000+/-0.000 χ^2/NDF:4131059.8/38

All: 0.000+/-0.000 χ^2/NDF: 8247627.6/75


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
180
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 992.563+/-395.226 χ²/NDF:54.5/20
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -951.238+/-388.225 χ²/NDF:10.0/20
Left: 3.295+/-276.958 χ²/NDF: 76.8/41
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -912.533+/-318.089 χ²/NDF:14.6/36
Out: 591.761+/-320.519 χ²/NDF:74.0/38
All: -166.111+/-225.777 χ²/NDF: 99.7/75



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

Left: 1609.346+/-0.196 χ^2/NDF: 301881.7/41

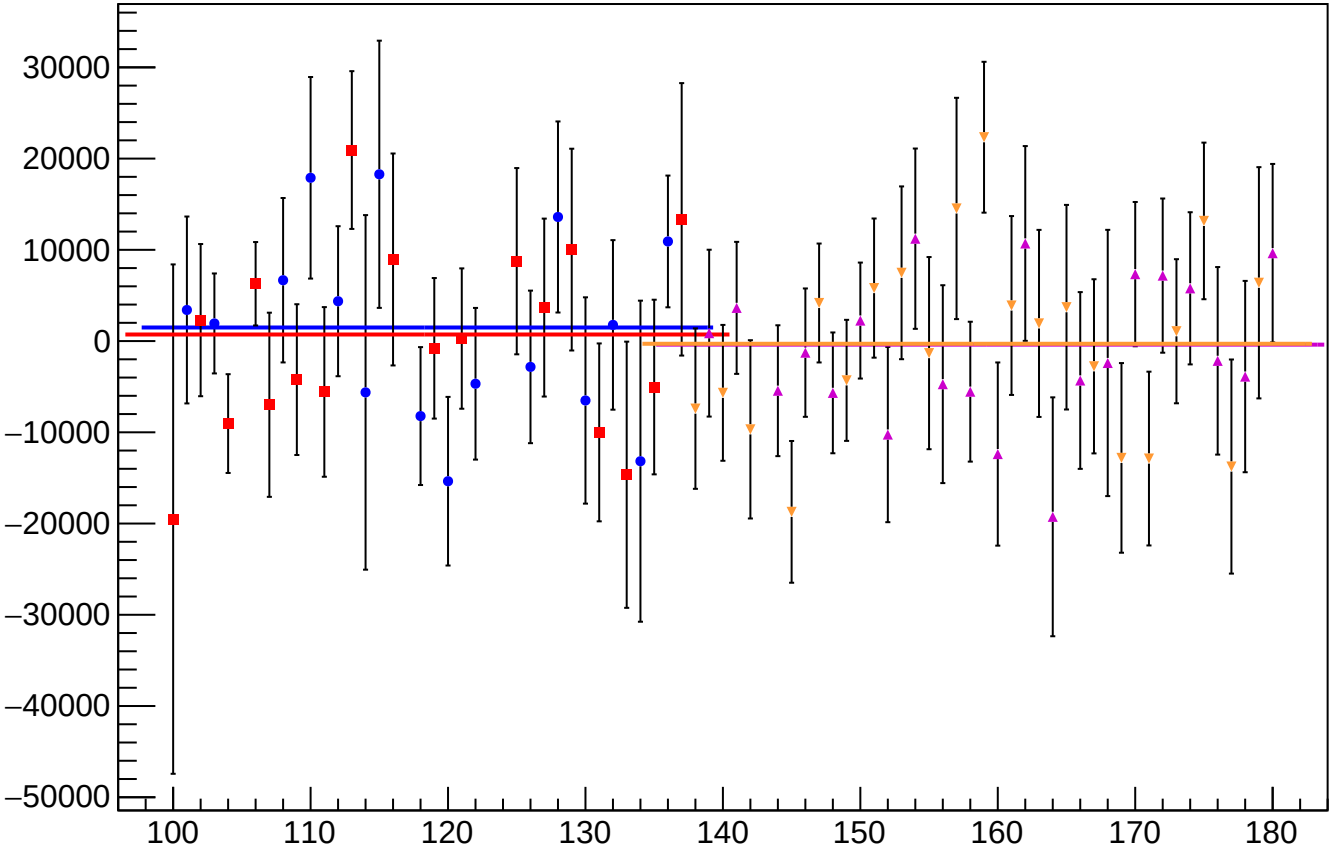
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1560.200+/-0.225 χ^2/NDF:819091.8/36

Out: 1547.264+/-0.226 χ^2/NDF:710417.4/38

All: 1553.765+/-0.159 χ^2/NDF: 1531154.6/75

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -296.588+/-1941.399 χ^2/NDF:26.6/20

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -391.783+/-1896.078 χ^2/NDF:13.0/20

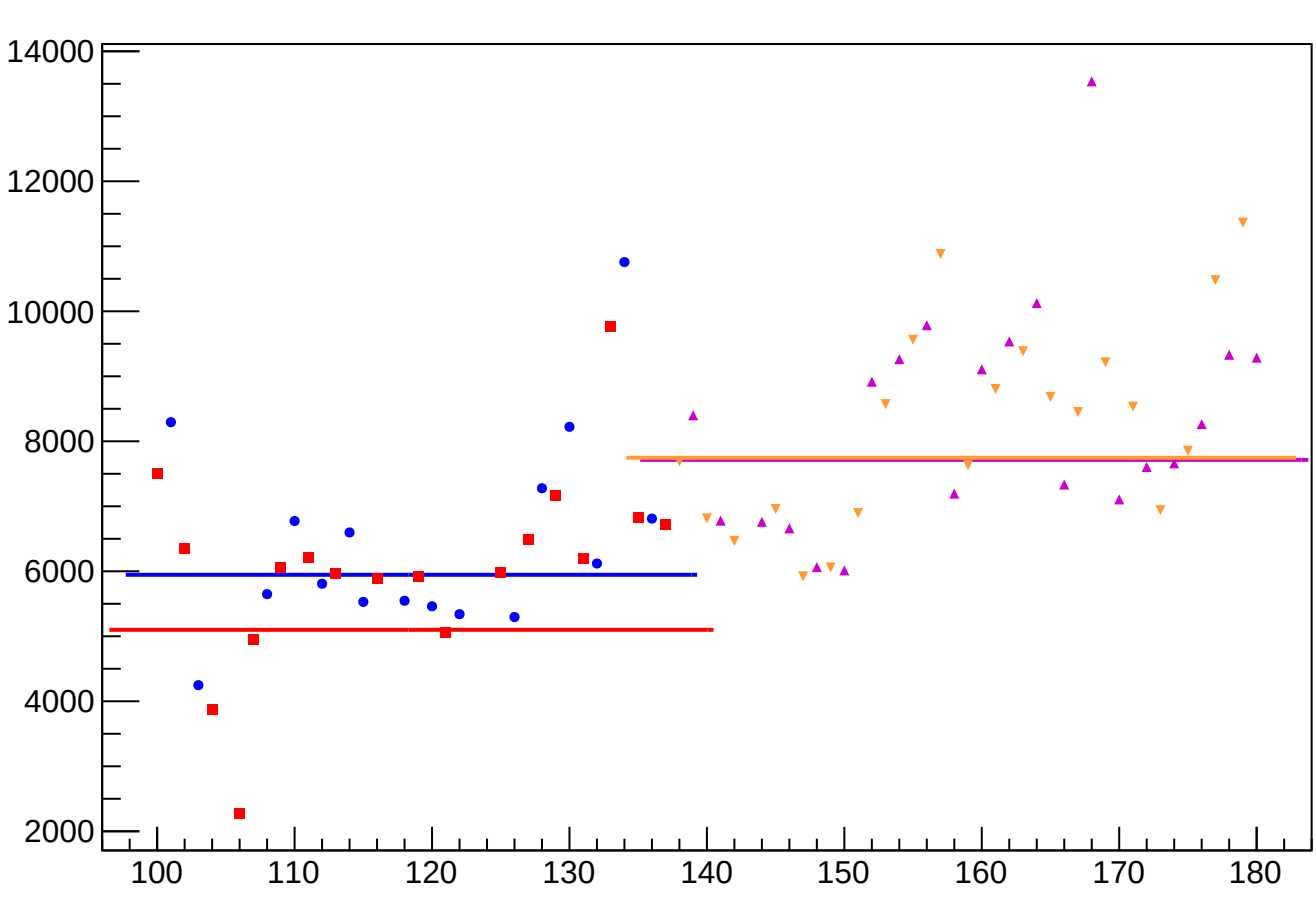
Left: -345.310+/-1356.469 χ^2/NDF: 39.5/41

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 381.298+/-1454.696 χ^2/NDF:27.5/36

Out: 193.749+/-1396.921 χ^2/NDF:44.2/38

All: 283.725+/-1007.578 χ^2/NDF: 71.8/75



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7746.731+/-1.373 χ^2/NDF:1051144.0/20

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7714.561+/-1.341 χ^2/NDF:1158556.9/20

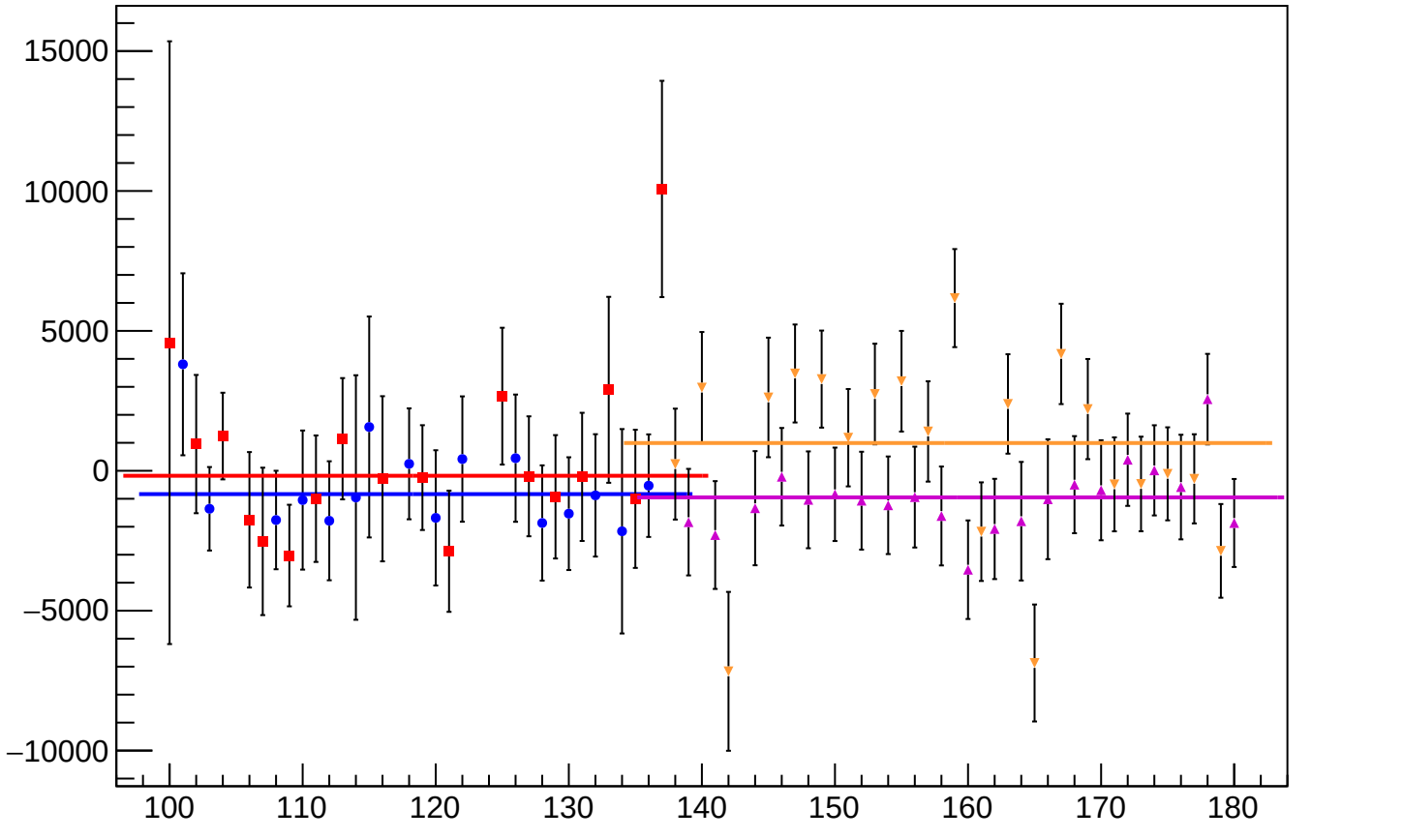
Left: 7730.266+/-0.959 χ^2/NDF: 2209982.0/41

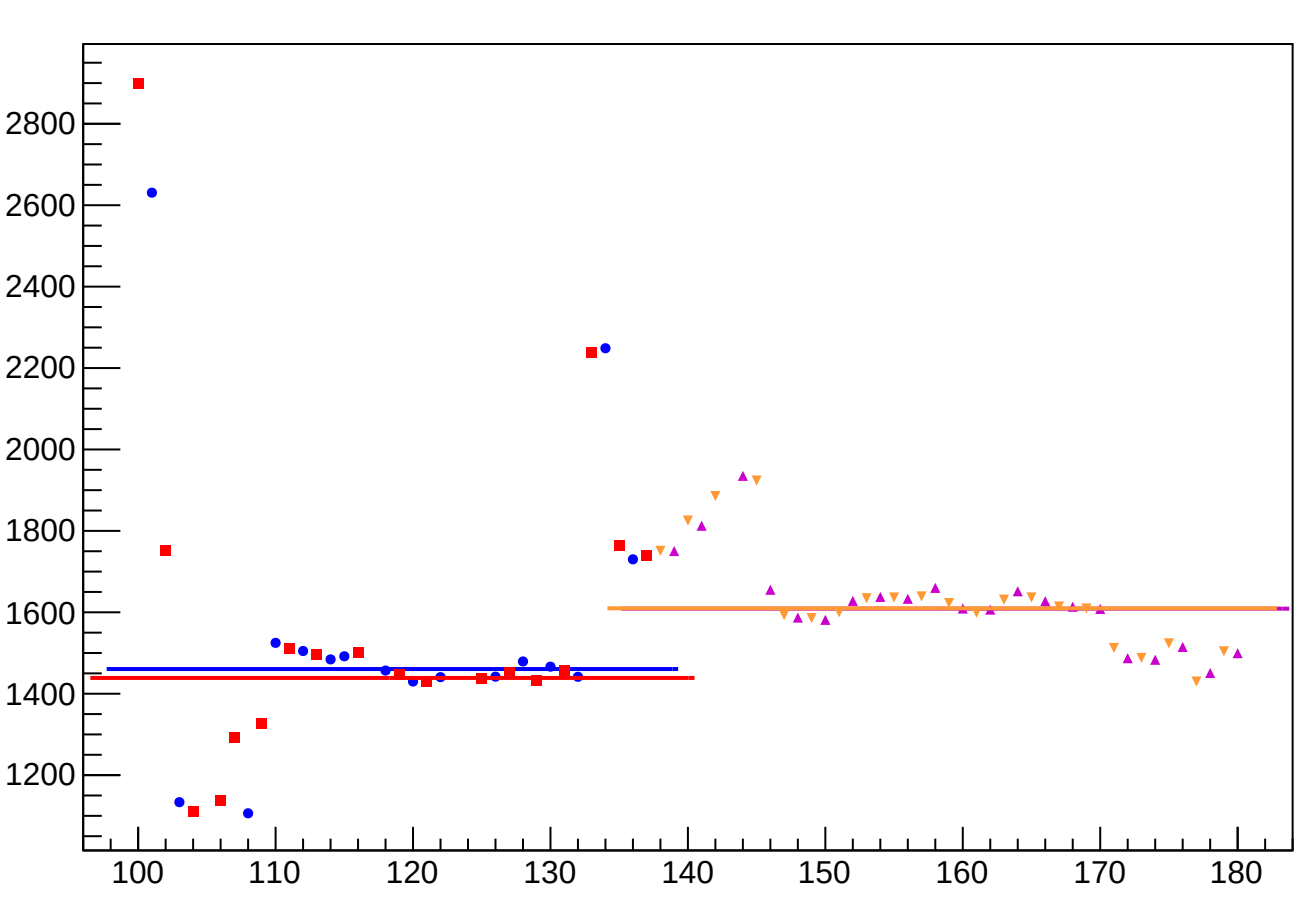
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6987.036+/-1.029 χ^2/NDF:2515446.4/36

Out: 6470.025+/-0.988 χ^2/NDF:4325020.5/38

All: 6718.060+/-0.712 χ^2/NDF: 6971898.5/75


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
180
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 992.655+/-395.226 χ²/NDF:54.5/20
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -951.117+/-388.225 χ²/NDF:10.0/20
Left: 3.402+/-276.958 χ²/NDF: 76.8/41
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -912.472+/-318.089 χ²/NDF:14.6/36
Out: 591.877+/-320.519 χ²/NDF:74.0/38
All: -166.023+/-225.777 χ²/NDF: 99.7/75



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

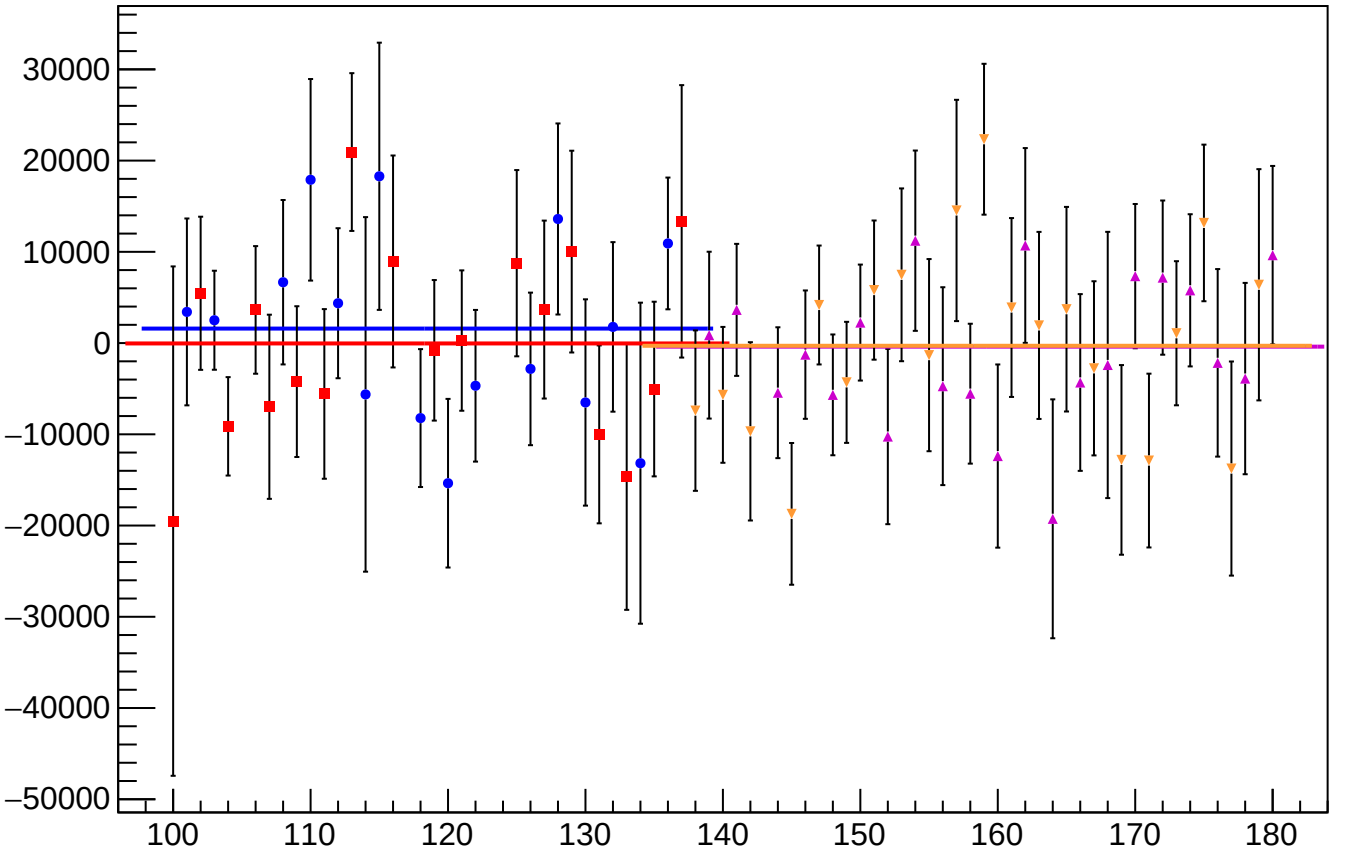
Left: 1609.346+/-0.196 χ^2/NDF: 301881.7/41

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1560.200+/-0.225 χ^2/NDF:819092.2/36

Out: 1551.055+/-0.226 χ^2/NDF:656354.6/38

All: 1555.659+/-0.160 χ^2/NDF: 1476267.7/75



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -296.571+/-1941.399 χ^2/NDF:26.6/20

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -391.786+/-1896.076 χ^2/NDF:13.0/20

Left: -345.303+/-1356.468 χ^2/NDF: 39.5/41

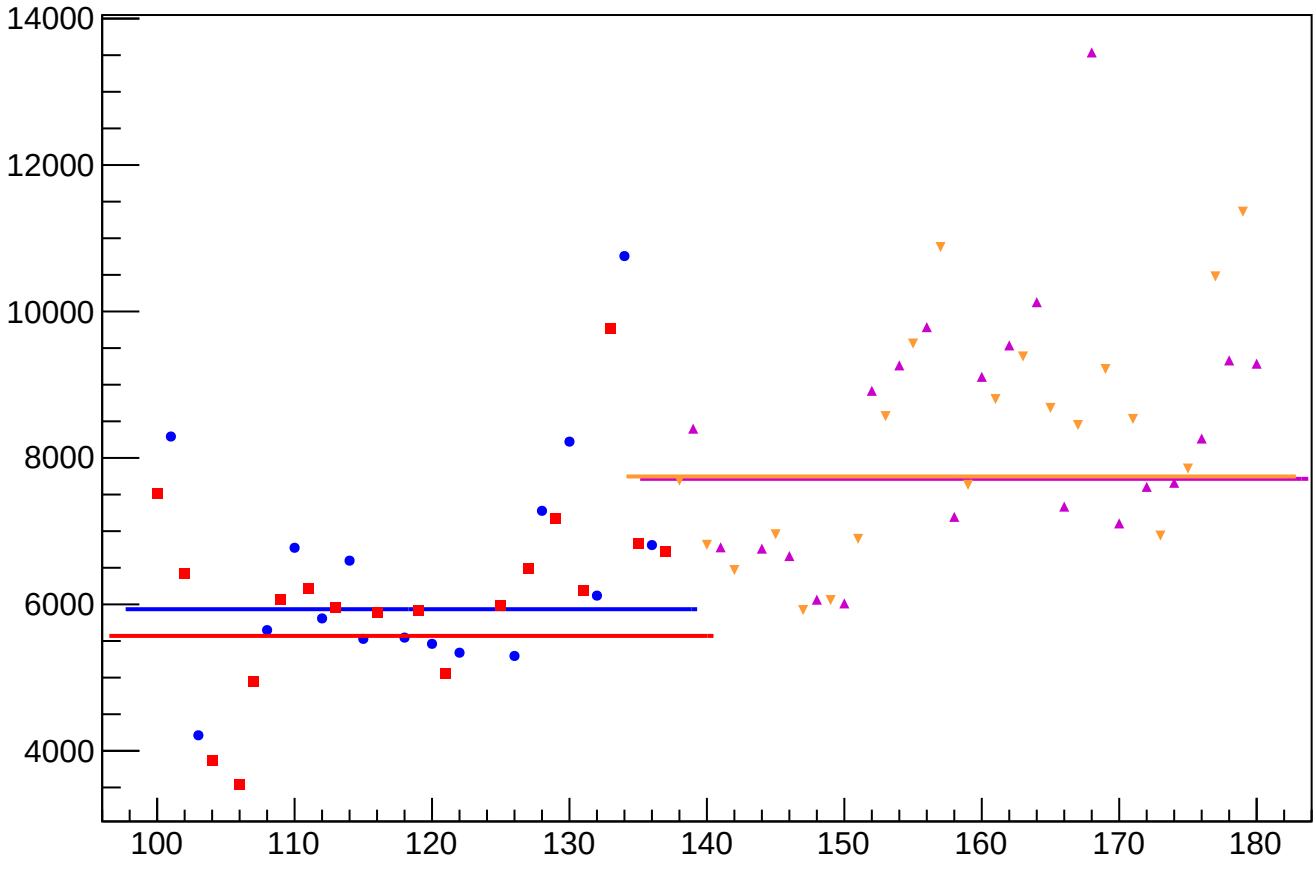
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 424.530+/-1453.699 χ^2/NDF:27.6/36

Out: -180.618+/-1435.757 χ^2/NDF:43.0/38

All: 118.199+/-1021.518 χ^2/NDF: 70.7/75

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7714.554+/-1.341 χ^2/NDF:1158559.7/20

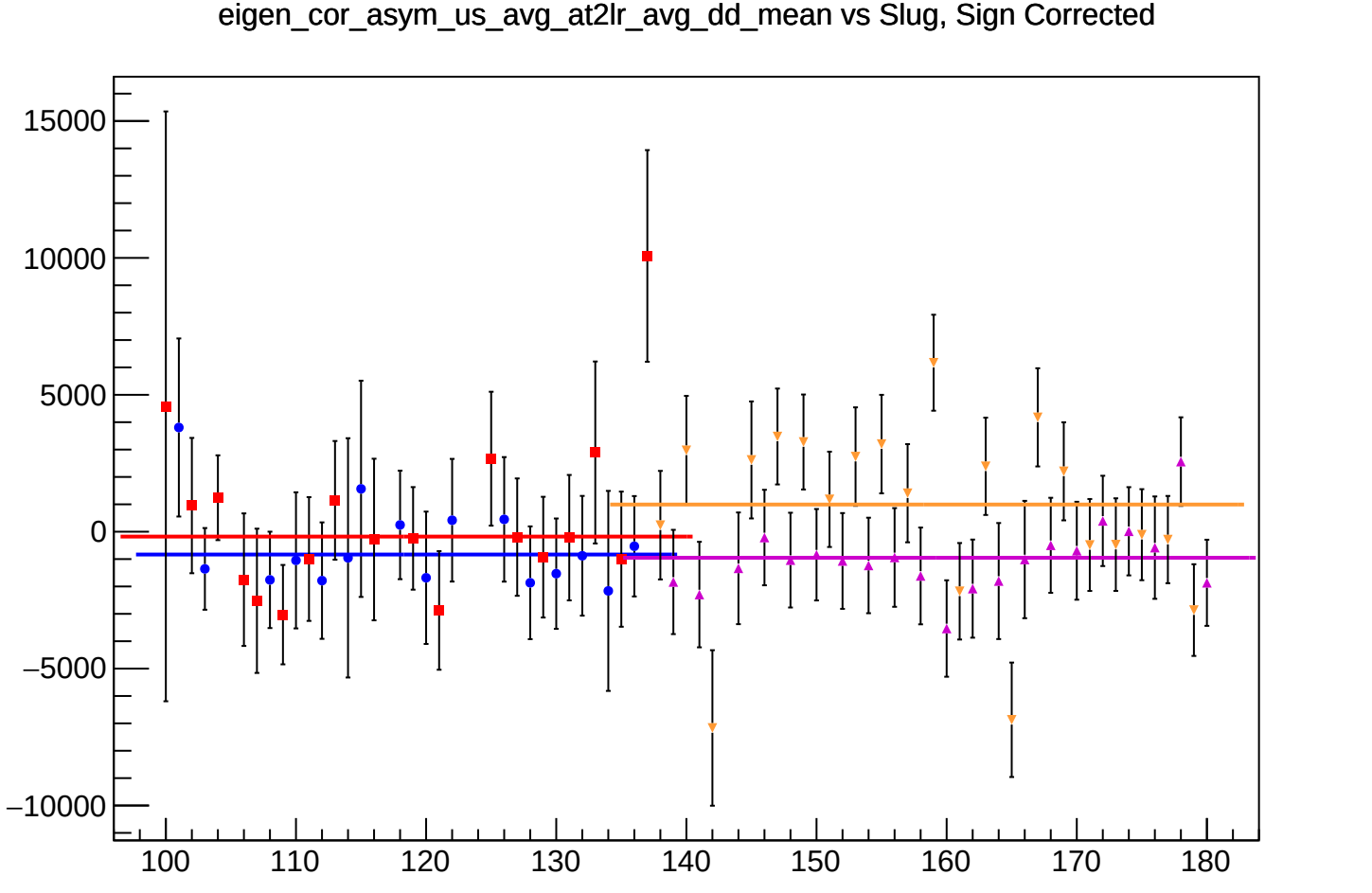
Left: 7730.262+/-0.959 χ^2/NDF: 2209986.2/41

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6980.715+/-1.028 χ^2/NDF:2538456.8/36

Out: 6760.342+/-1.015 χ^2/NDF:2914737.9/38

All: 6869.160+/-0.722 χ^2/NDF: 5476461.1/75



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.655+/-395.226 χ^2/NDF:54.5/20

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -951.117+/-388.225 χ^2/NDF:10.0/20

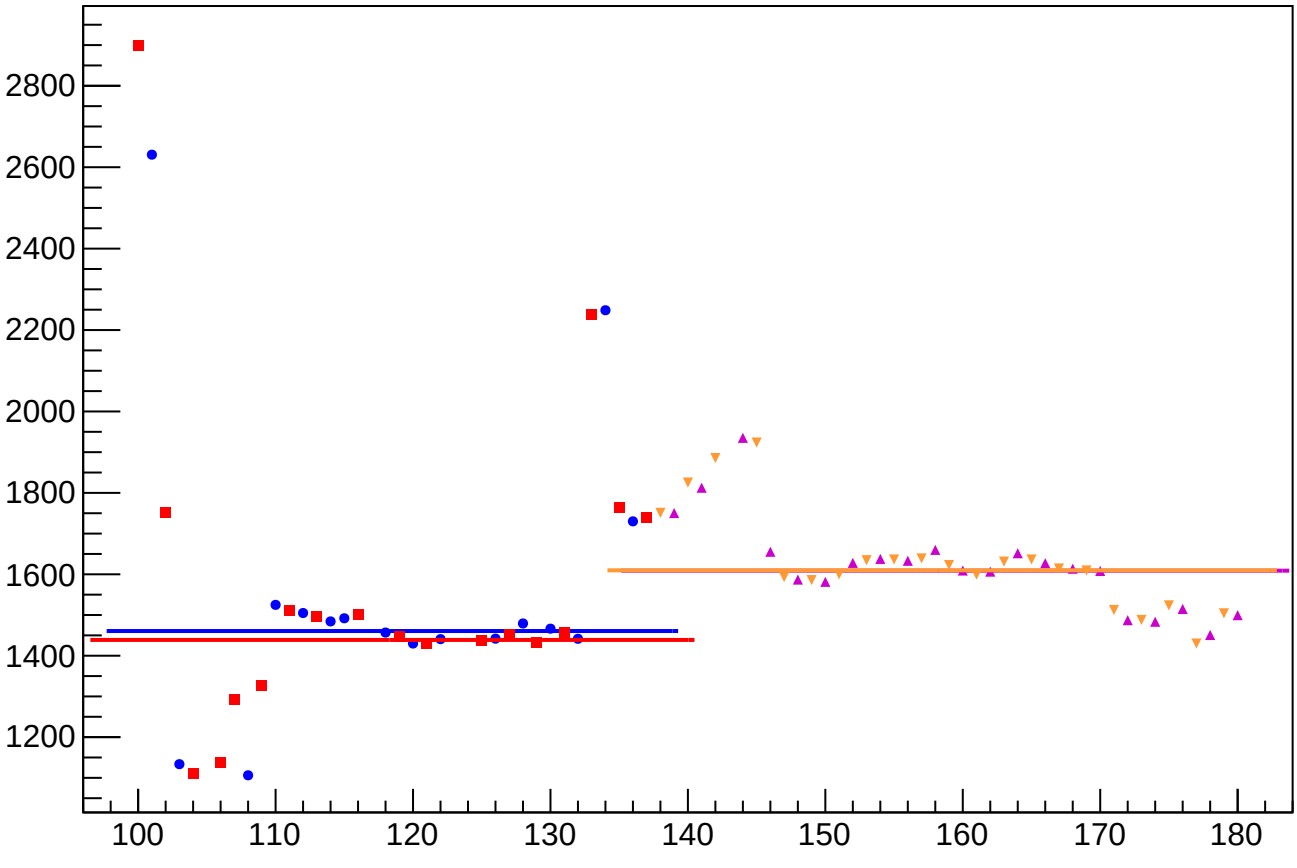
Left: 3.402+/-276.958 χ^2/NDF: 76.8/41

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -912.472+/-318.089 χ^2/NDF:14.6/36

Out: 591.877+/-320.519 χ^2/NDF:74.0/38

All: -166.023+/-225.777 χ^2/NDF: 99.7/75



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1608.938+/-0.275 χ^2/NDF:147453.8/20

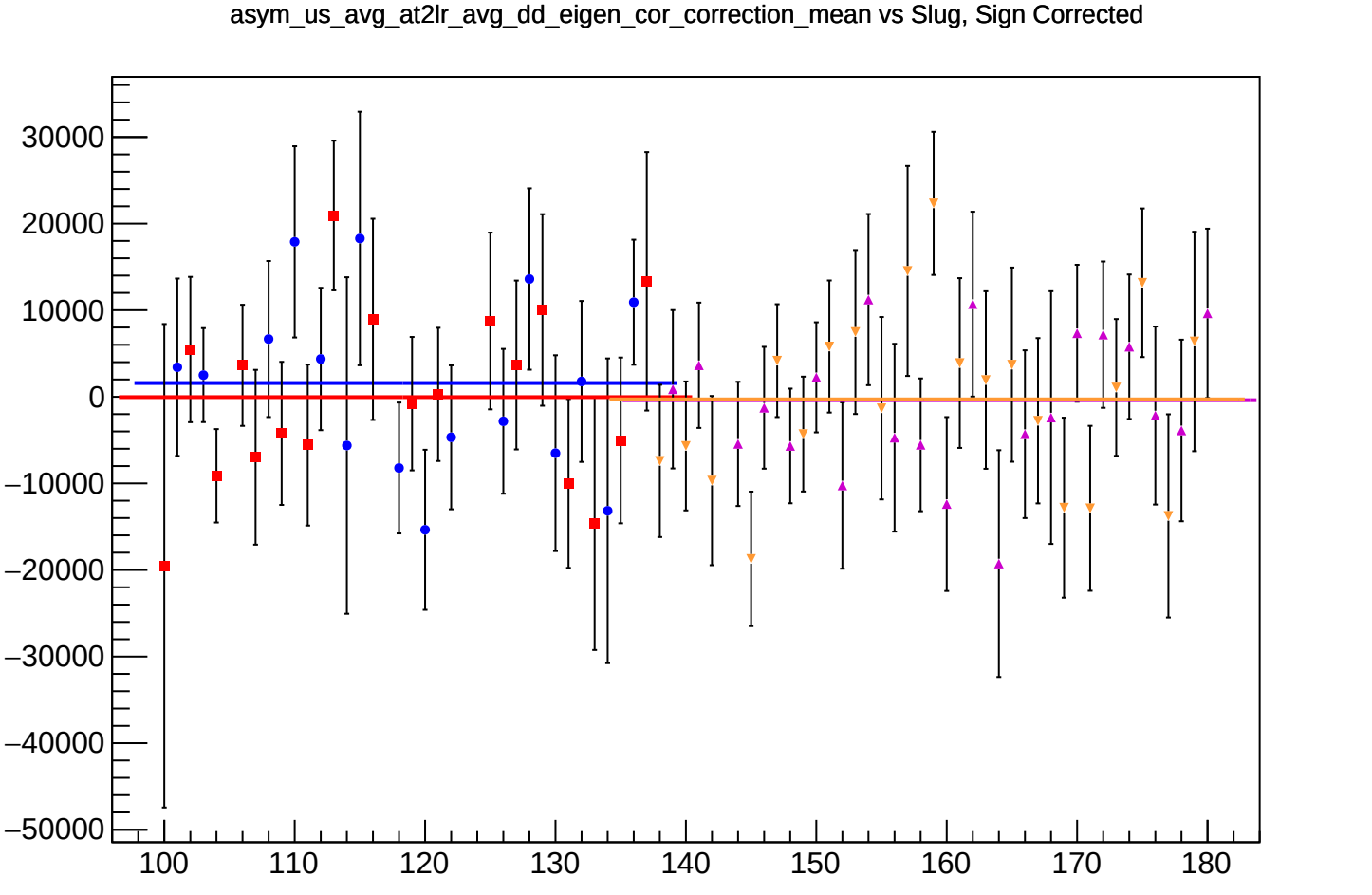
Left: 1609.346+/-0.196 χ^2/NDF: 301881.7/41

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1560.200+/-0.225 χ^2/NDF:819092.2/36

Out: 1551.055+/-0.226 χ^2/NDF:656354.6/38

All: 1555.659+/-0.160 χ^2/NDF: 1476267.7/75



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -296.571+/-1941.399 χ^2/NDF:26.6/20

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -391.786+/-1896.076 χ^2/NDF:13.0/20

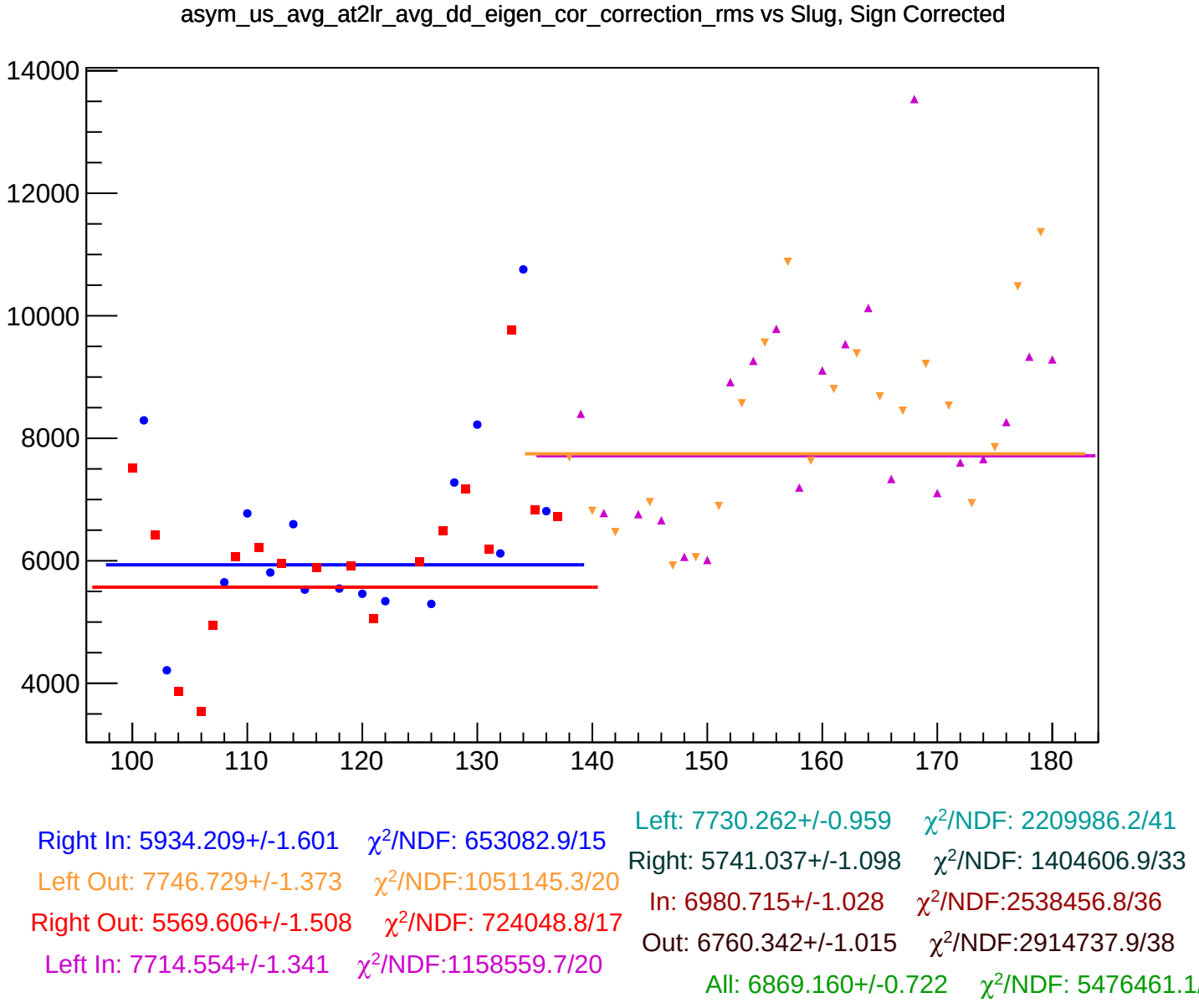
Left: -345.303+/-1356.468 χ^2/NDF: 39.5/41

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 424.530+/-1453.699 χ^2/NDF:27.6/36

Out: -180.618+/-1435.757 χ^2/NDF:43.0/38

All: 118.199+/-1021.518 χ^2/NDF: 70.7/75


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
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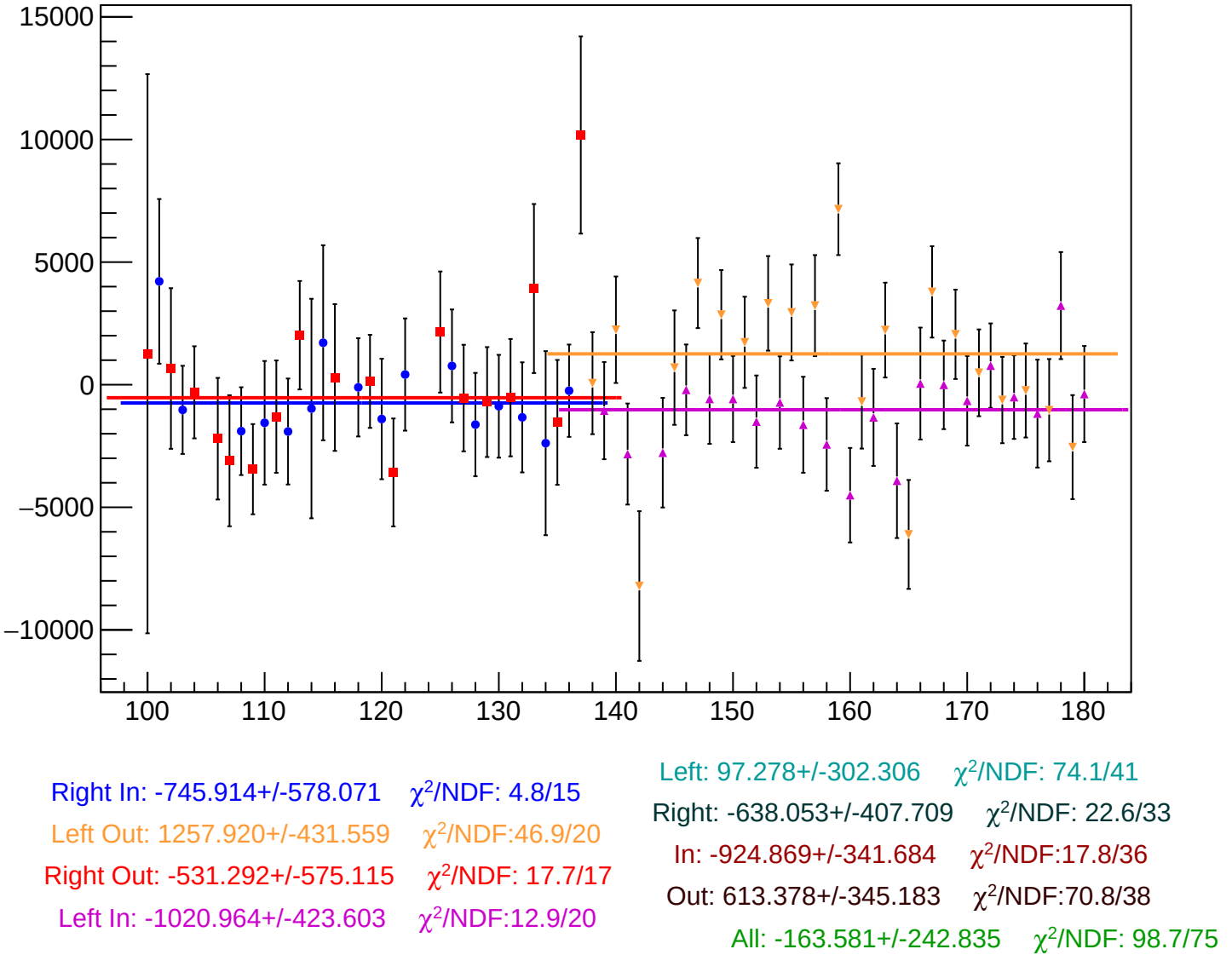
Right In: 5934.209+/-1.601 χ²/NDF: 653082.9/15
Left Out: 7746.729+/-1.373 χ²/NDF:1051145.3/20
Right Out: 5569.606+/-1.508 χ²/NDF: 724048.8/17
Left In: 7714.554+/-1.341 χ²/NDF:1158559.7/20
Left: 7730.262+/-0.959 χ²/NDF: 2209986.2/41
Right: 5741.037+/-1.098 χ²/NDF: 1404606.9/33
In: 6980.715+/-1.028 χ²/NDF:2538456.8/36
Out: 6760.342+/-1.015 χ²/NDF:2914737.9/38
All: 6869.160+/-0.722 χ²/NDF: 5476461.1/75


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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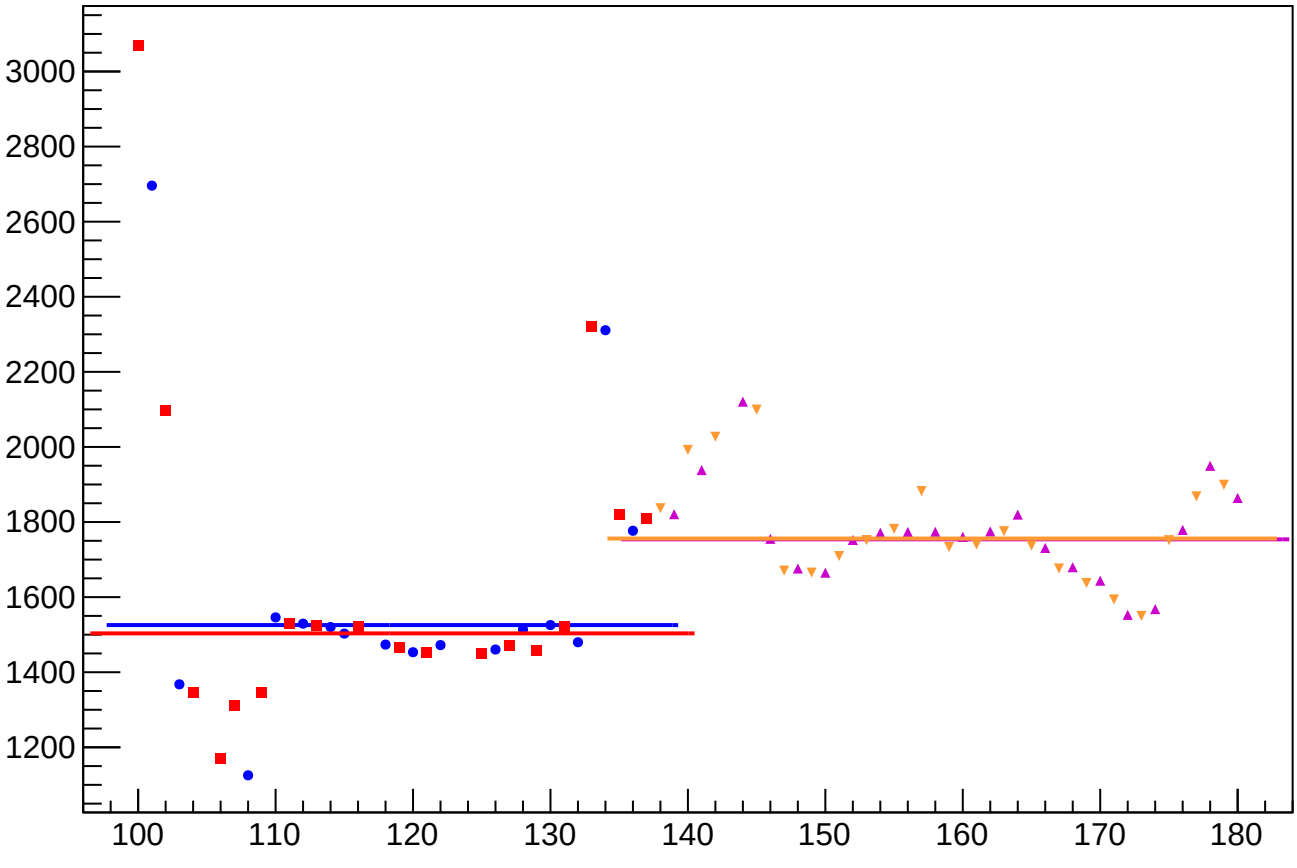
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1257.920+/-431.559 χ²/NDF:46.9/20
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1020.964+/-423.603 χ²/NDF:12.9/20
Left: 97.278+/-302.306 χ²/NDF: 74.1/41
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -924.869+/-341.684 χ²/NDF:17.8/36
Out: 613.378+/-345.183 χ²/NDF:70.8/38
All: -163.581+/-242.835 χ²/NDF: 98.7/75



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1756.061+/-0.305 χ^2/NDF:176108.8/20

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1753.887+/-0.300 χ^2/NDF:167835.5/20

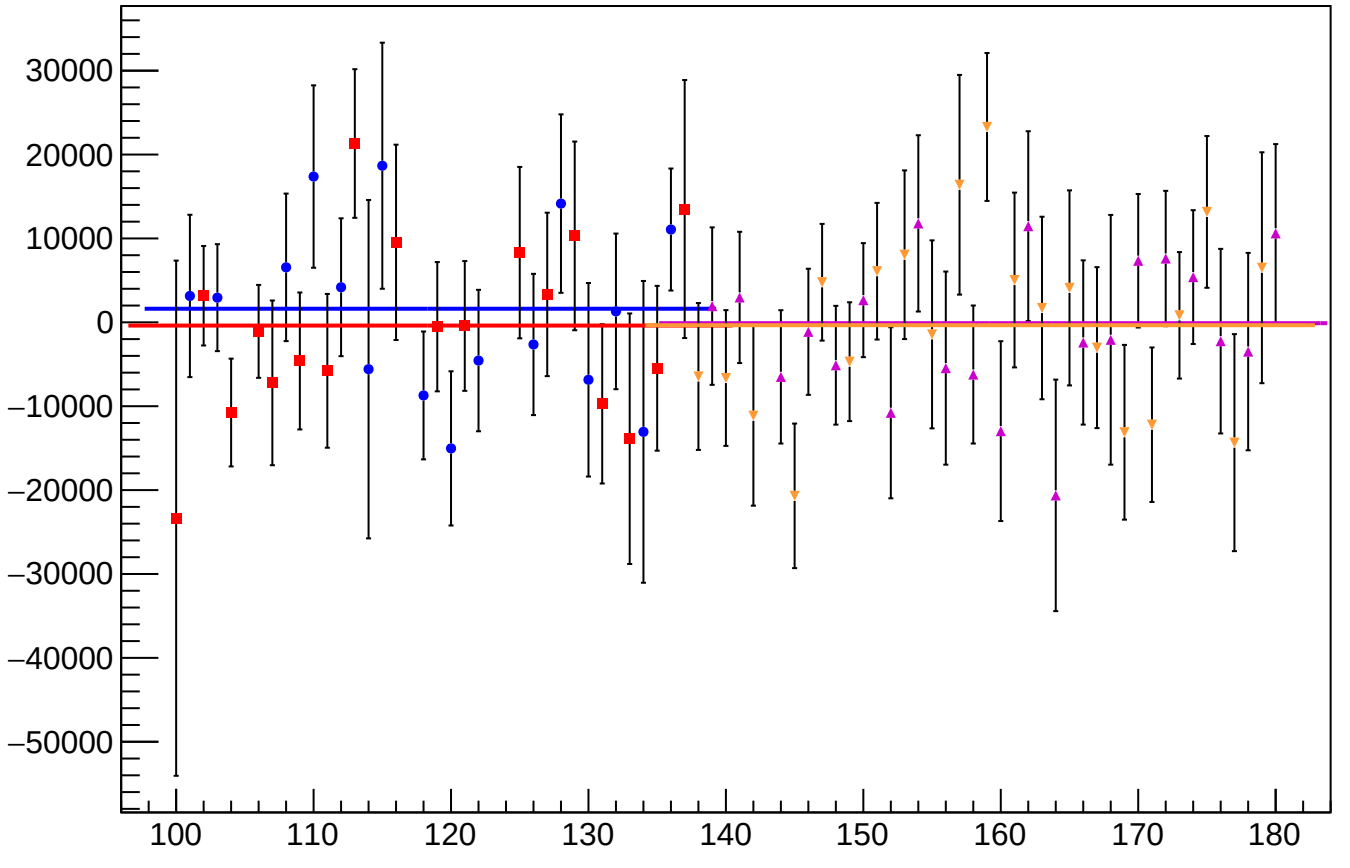
Left: 1754.954+/-0.214 χ^2/NDF: 343970.2/41

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1674.107+/-0.242 χ^2/NDF:859215.7/36

Out: 1665.021+/-0.244 χ^2/NDF:761594.8/38

All: 1669.610+/-0.172 χ^2/NDF: 1621510.6/75



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -343.722+/-2038.228 χ^2/NDF:26.1/20

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -103.251+/-1993.210 χ^2/NDF:12.9/20

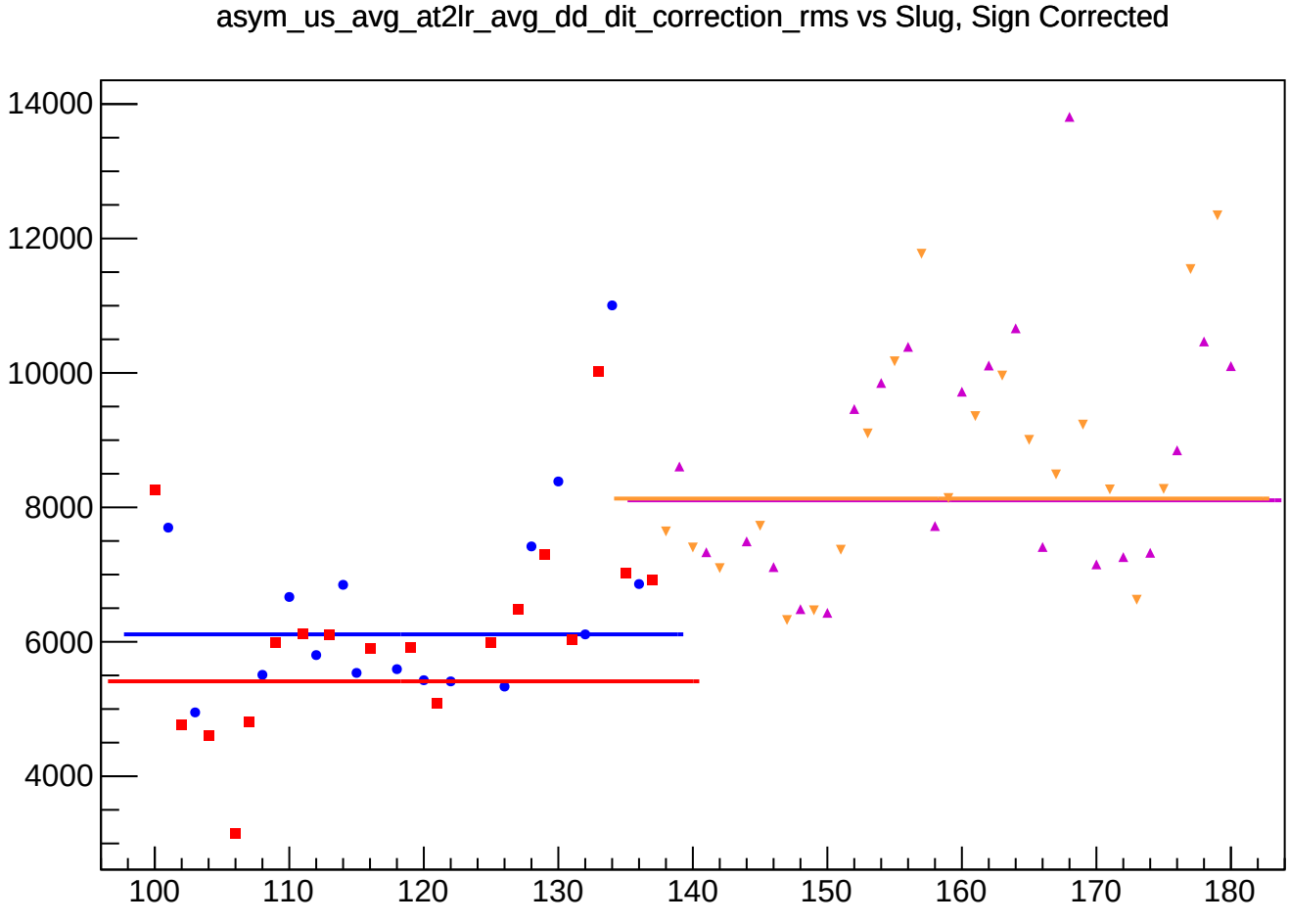
Left: -220.801+/-1425.062 χ^2/NDF: 39.0/41

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 628.571+/-1511.872 χ^2/NDF:27.4/36

Out: -364.599+/-1449.183 χ^2/NDF:42.1/38

All: 110.969+/-1046.187 χ^2/NDF: 69.8/75



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8131.046+/-1.441 χ^2/NDF:1075957.6/20

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8105.234+/-1.409 χ^2/NDF:1182395.7/20

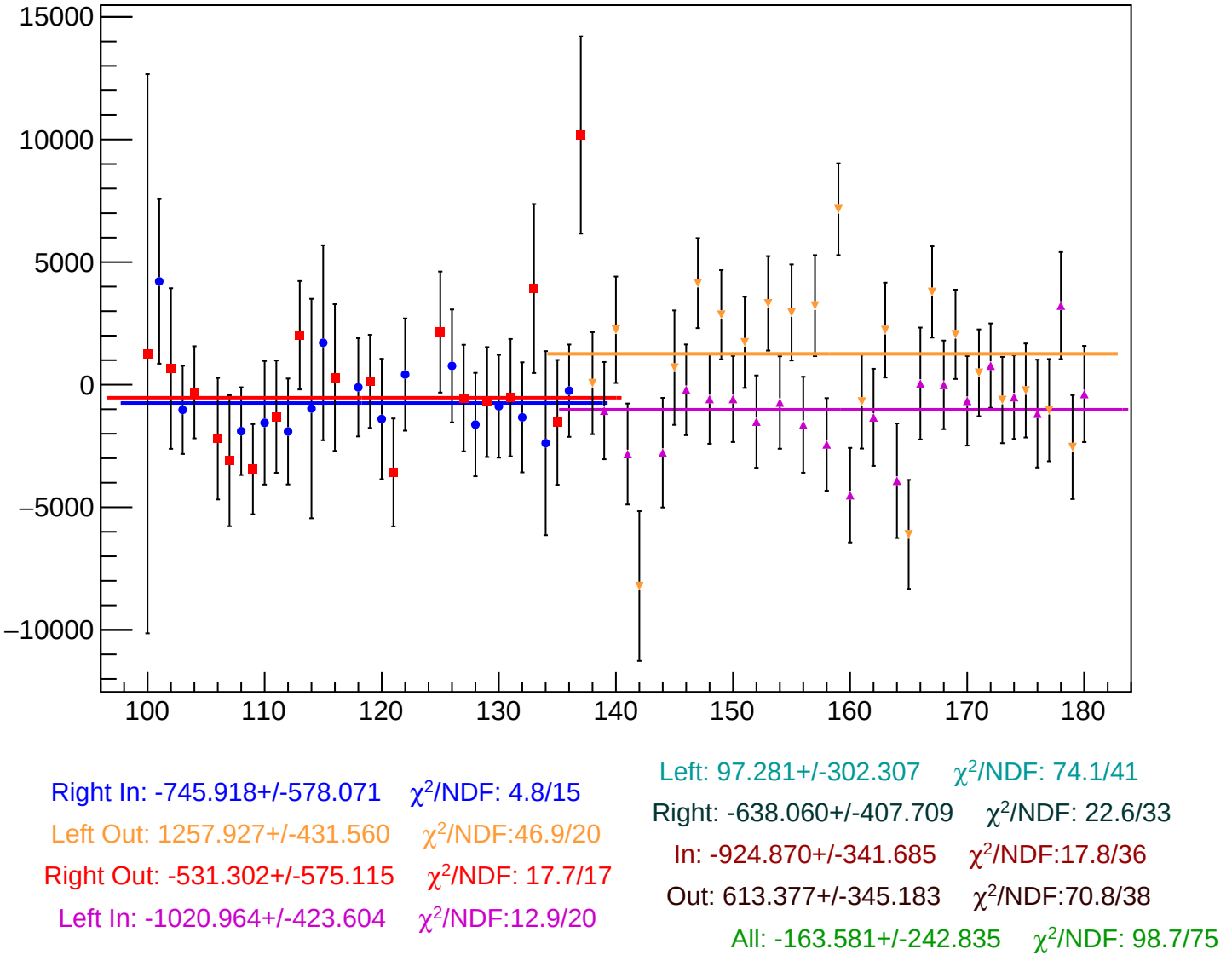
Left: 8117.852+/-1.008 χ^2/NDF: 2258517.3/41

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7258.376+/-1.069 χ^2/NDF:2504220.0/36

Out: 6786.676+/-1.025 χ^2/NDF:3657095.1/38

All: 7012.544+/-0.740 χ^2/NDF: 6262777.2/75


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
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−5000
−10000
100
110
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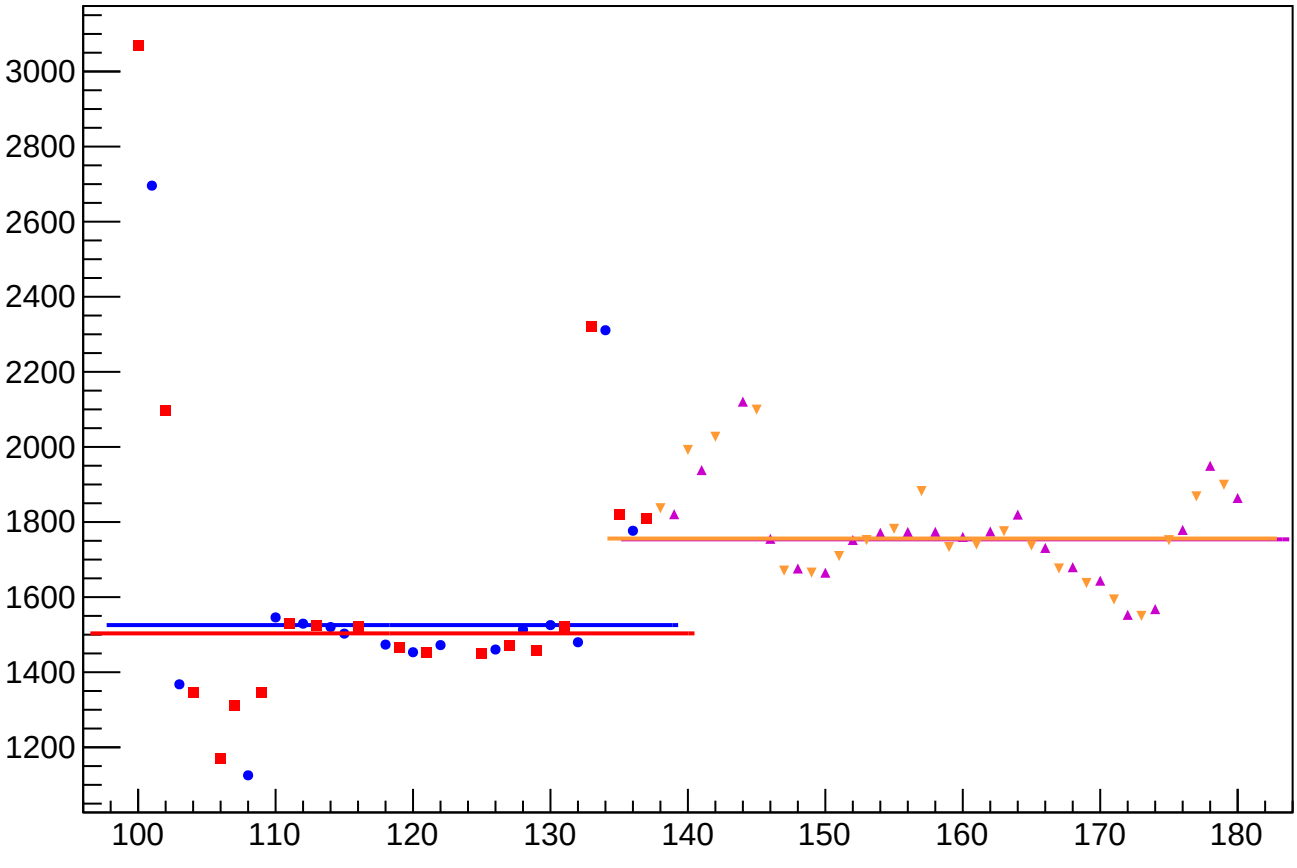
130
140
150
160
170
180
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1257.927+/-431.560 χ²/NDF:46.9/20
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1020.964+/-423.604 χ²/NDF:12.9/20
Left: 97.281+/-302.307 χ²/NDF: 74.1/41
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -924.870+/-341.685 χ²/NDF:17.8/36
Out: 613.377+/-345.183 χ²/NDF:70.8/38
All: -163.581+/-242.835 χ²/NDF: 98.7/75



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1756.064+/-0.305 χ^2/NDF:176117.5/20

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1753.890+/-0.300 χ^2/NDF:167843.5/20

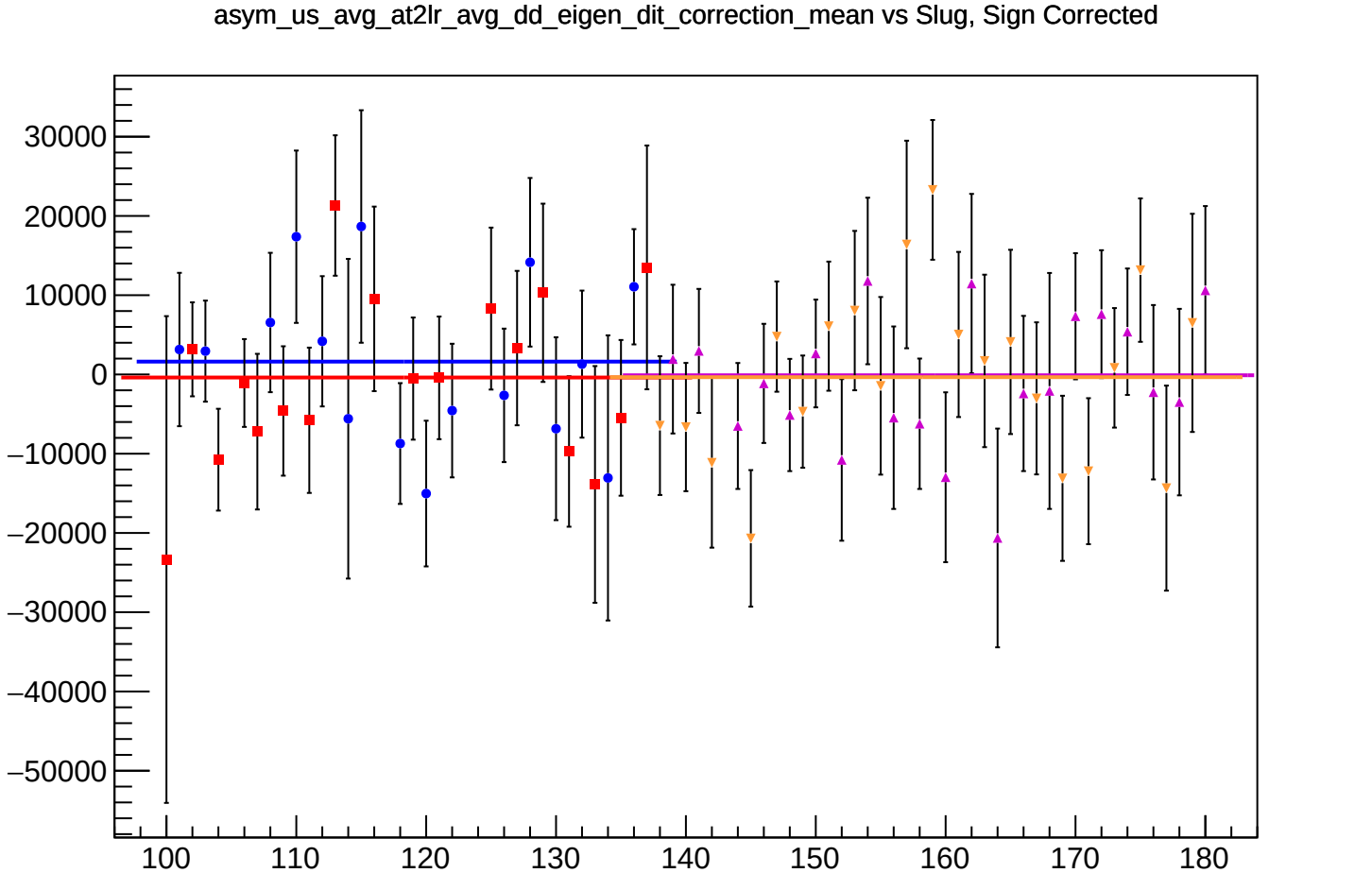
Left: 1754.957+/-0.214 χ^2/NDF: 343986.9/41

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1674.109+/-0.242 χ^2/NDF:859228.3/36

Out: 1665.023+/-0.244 χ^2/NDF:761608.5/38

All: 1669.612+/-0.172 χ^2/NDF: 1621536.8/75



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -343.722+/-2038.232 χ^2/NDF:26.1/20

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -103.250+/-1993.213 χ^2/NDF:12.9/20

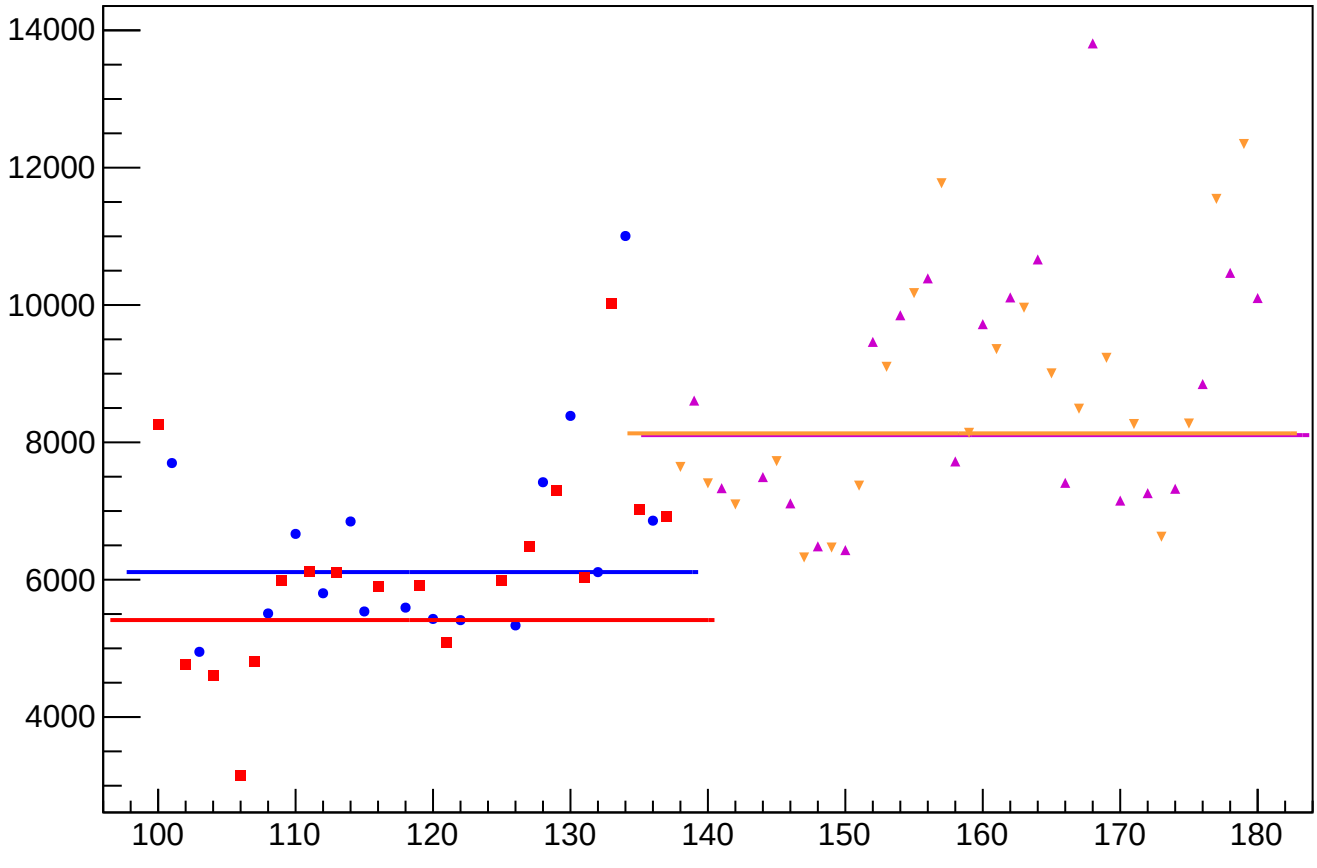
Left: -220.801+/-1425.064 χ^2/NDF: 39.0/41

Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 628.566+/-1511.872 χ^2/NDF:27.4/36

Out: -364.602+/-1449.183 χ^2/NDF:42.1/38

All: 110.965+/-1046.187 χ^2/NDF: 69.8/75



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8131.059+/-1.441 χ^2/NDF:1075960.2/20

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8105.246+/-1.409 χ^2/NDF:1182399.8/20

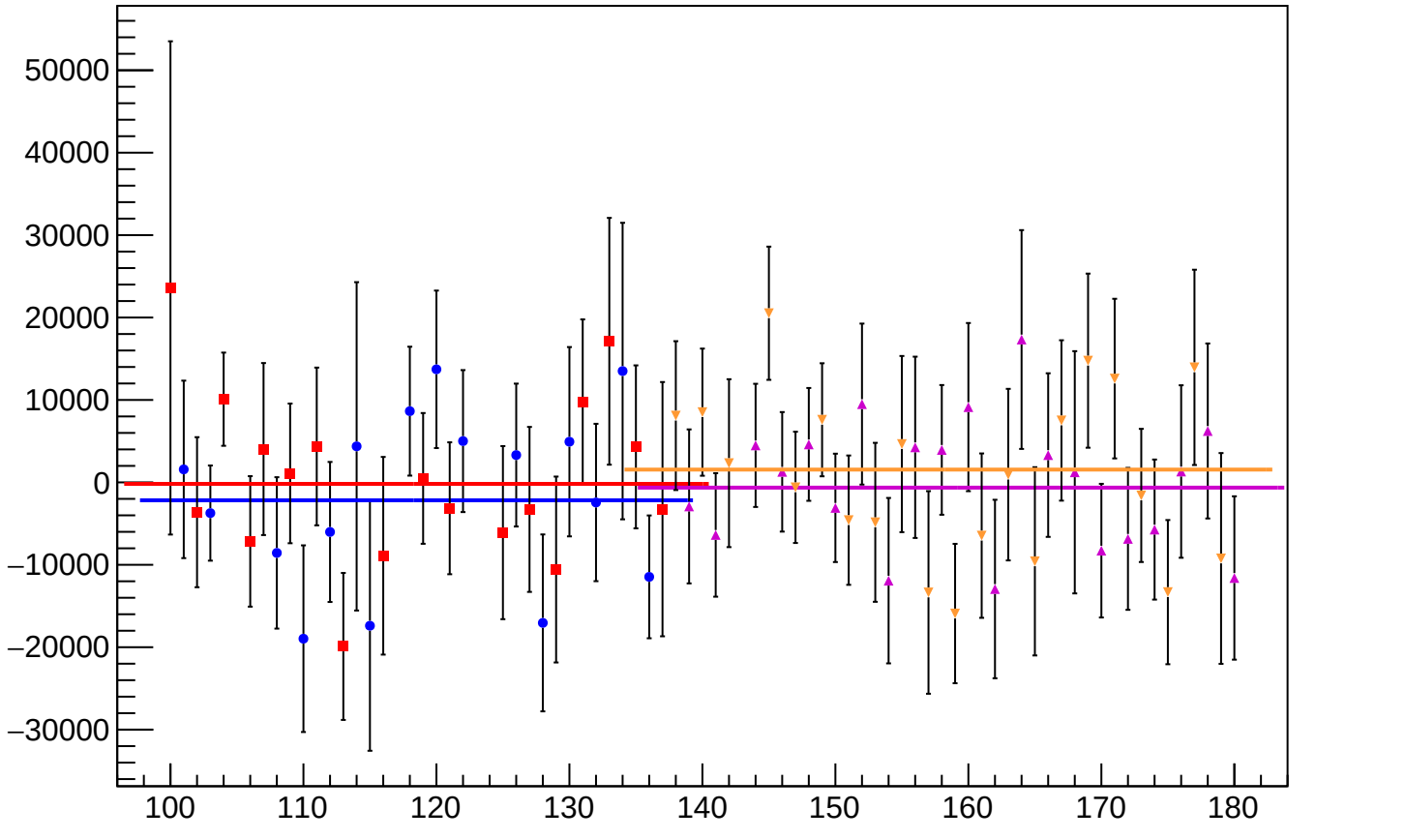
Left: 8117.864+/-1.008 χ^2/NDF: 2258524.0/41

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7258.374+/-1.069 χ^2/NDF:2504248.9/36

Out: 6786.672+/-1.025 χ^2/NDF:3657130.0/38

All: 7012.541+/-0.740 χ^2/NDF: 6262841.8/75



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1550.736+/-1990.528 χ^2/NDF:24.3/20

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -637.861+/-1943.162 χ^2/NDF:12.5/20

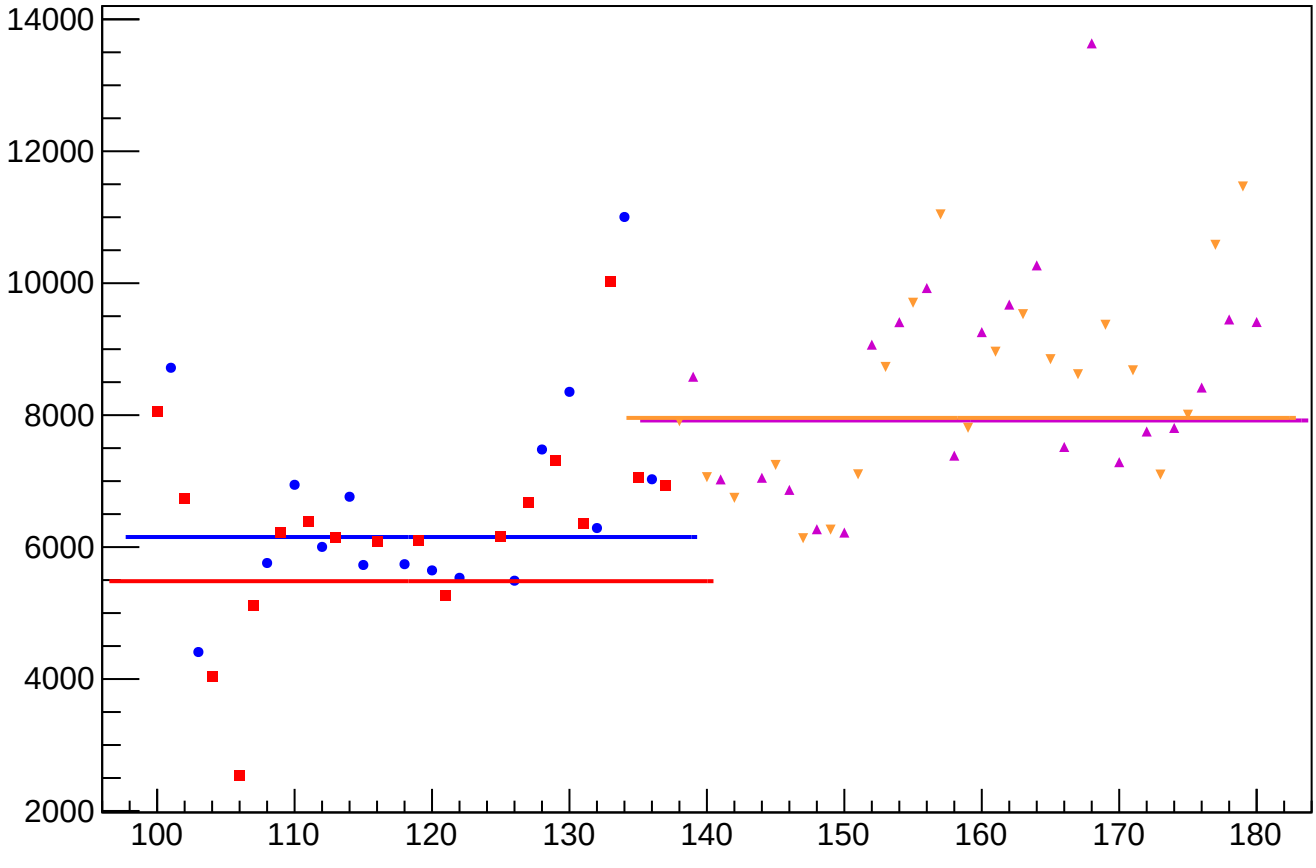
Left: 430.089+/-1390.467 χ^2/NDF: 37.4/41

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1262.412+/-1496.917 χ^2/NDF:27.3/36

Out: 781.248+/-1484.659 χ^2/NDF:39.3/38

All: -232.180+/-1054.120 χ^2/NDF: 67.5/75



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7958.268+/-1.408 χ^2/NDF:961034.8/20

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7919.387+/-1.374 χ^2/NDF:1065269.8/20

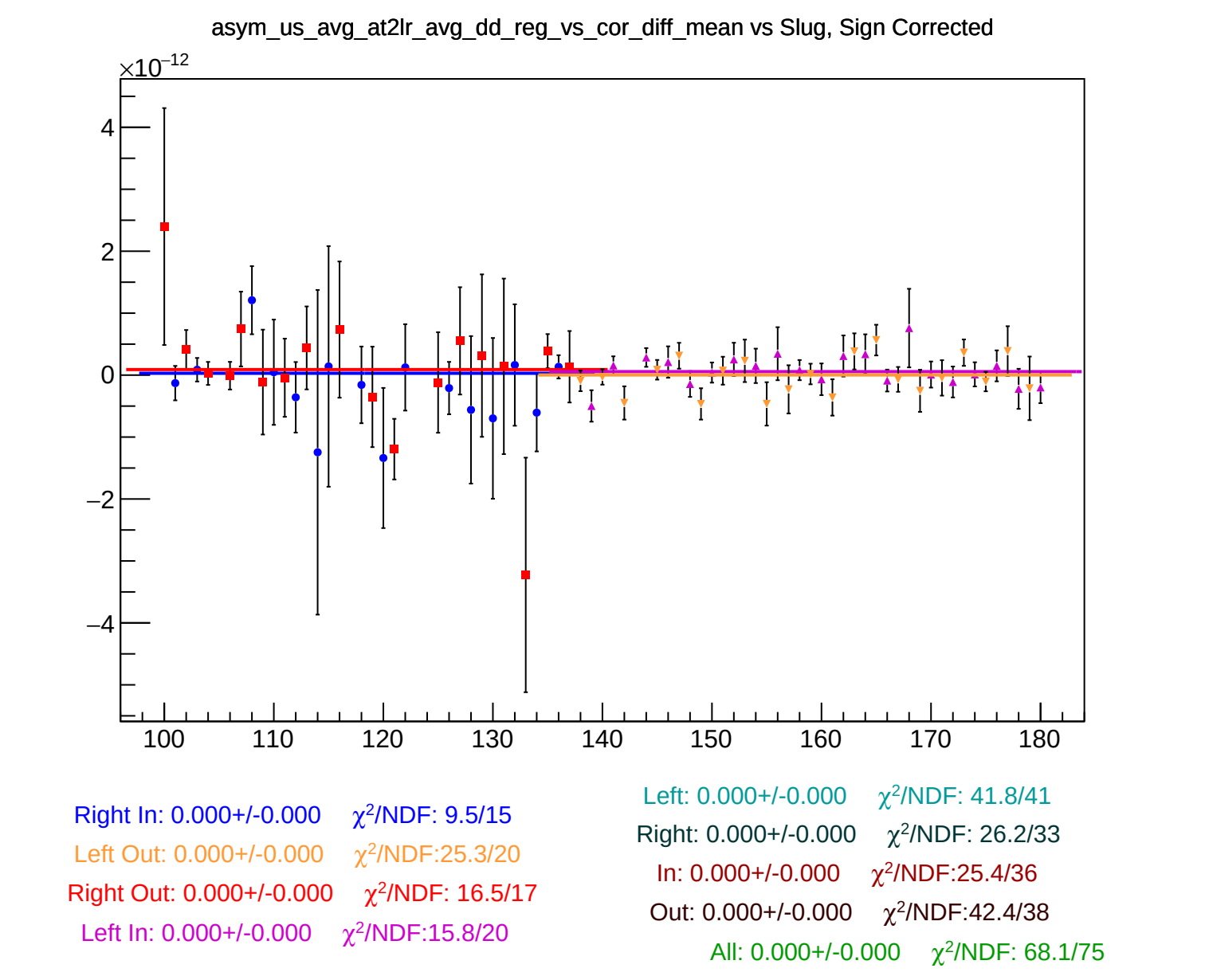
Left: 7938.359+/-0.983 χ^2/NDF: 2026695.3/41

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7201.115+/-1.058 χ^2/NDF:2361441.0/36

Out: 6815.320+/-1.033 χ^2/NDF:3537600.5/38

All: 7003.439+/-0.739 χ^2/NDF: 5967110.3/75


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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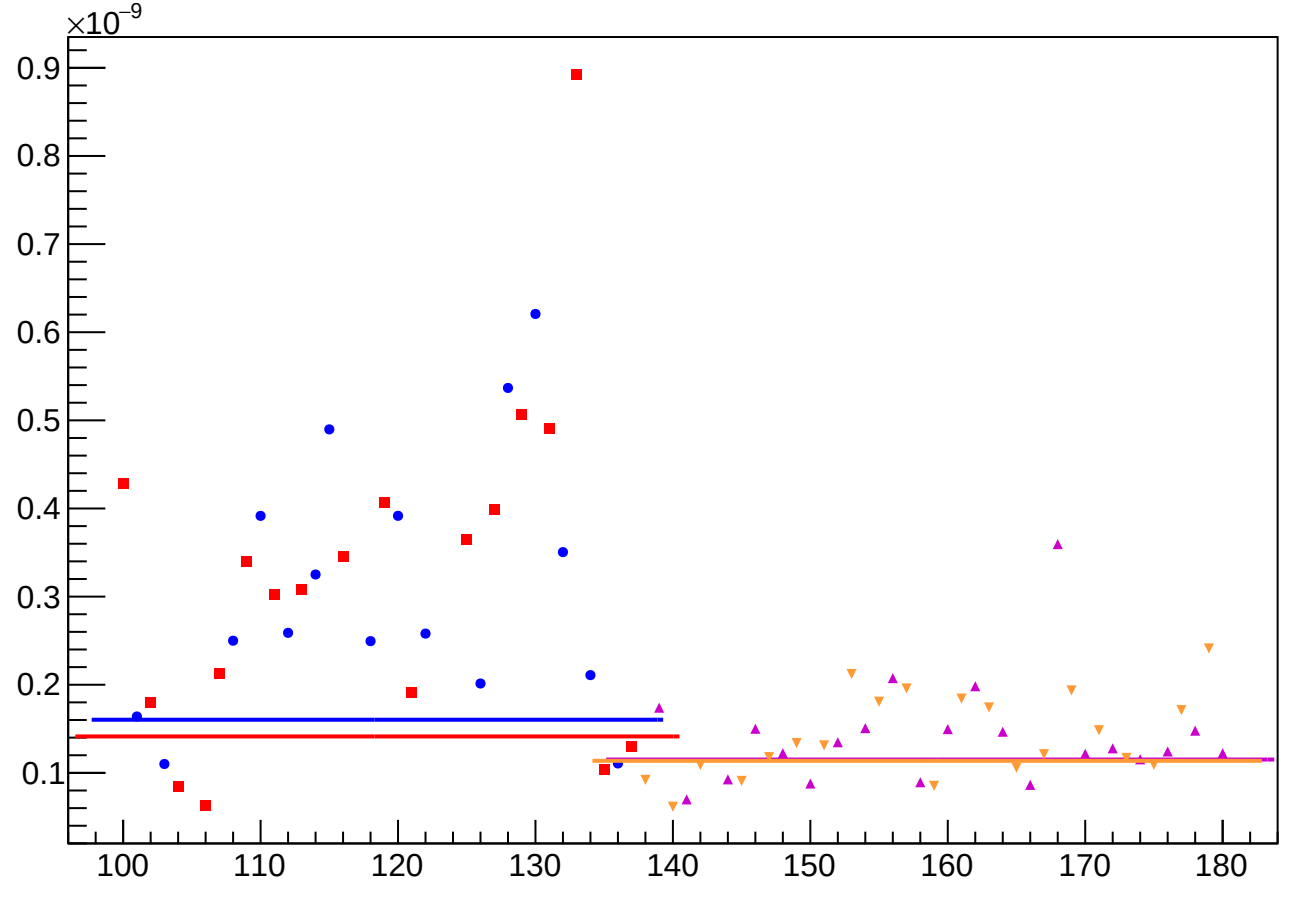
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: 0.000+/-0.000 χ²/NDF:25.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:15.8/20
Left: 0.000+/-0.000 χ²/NDF: 41.8/41
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:25.4/36
Out: 0.000+/-0.000 χ²/NDF:42.4/38
All: 0.000+/-0.000 χ²/NDF: 68.1/75

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1349420.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1186037.5/20

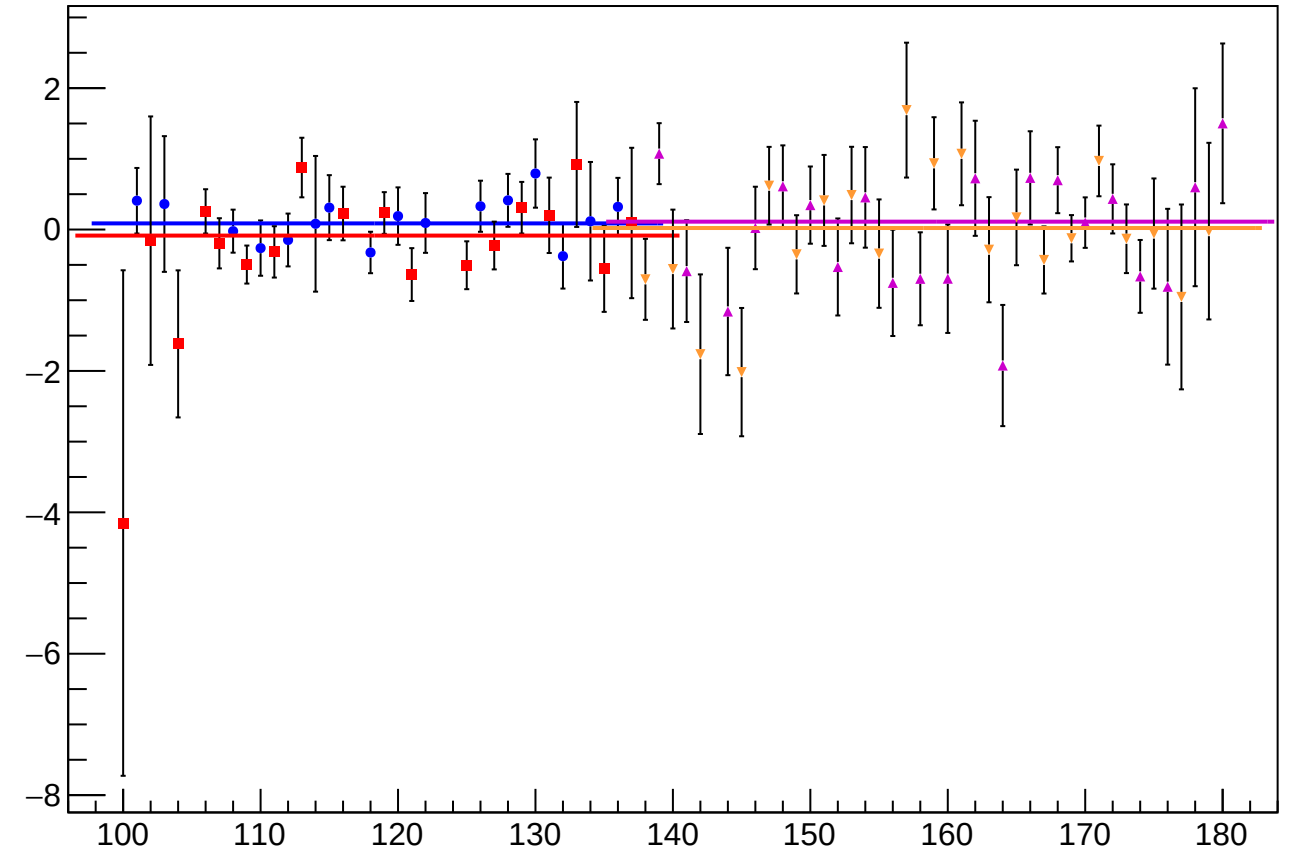
Left: 0.000+/-0.000 χ^2/NDF: 2536383.0/41

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2826871.3/36

Out: 0.000+/-0.000 χ^2/NDF:3634567.0/38

All: 0.000+/-0.000 χ^2/NDF: 6472229.1/75



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.111+/-0.134 χ^2/NDF:27.6/20

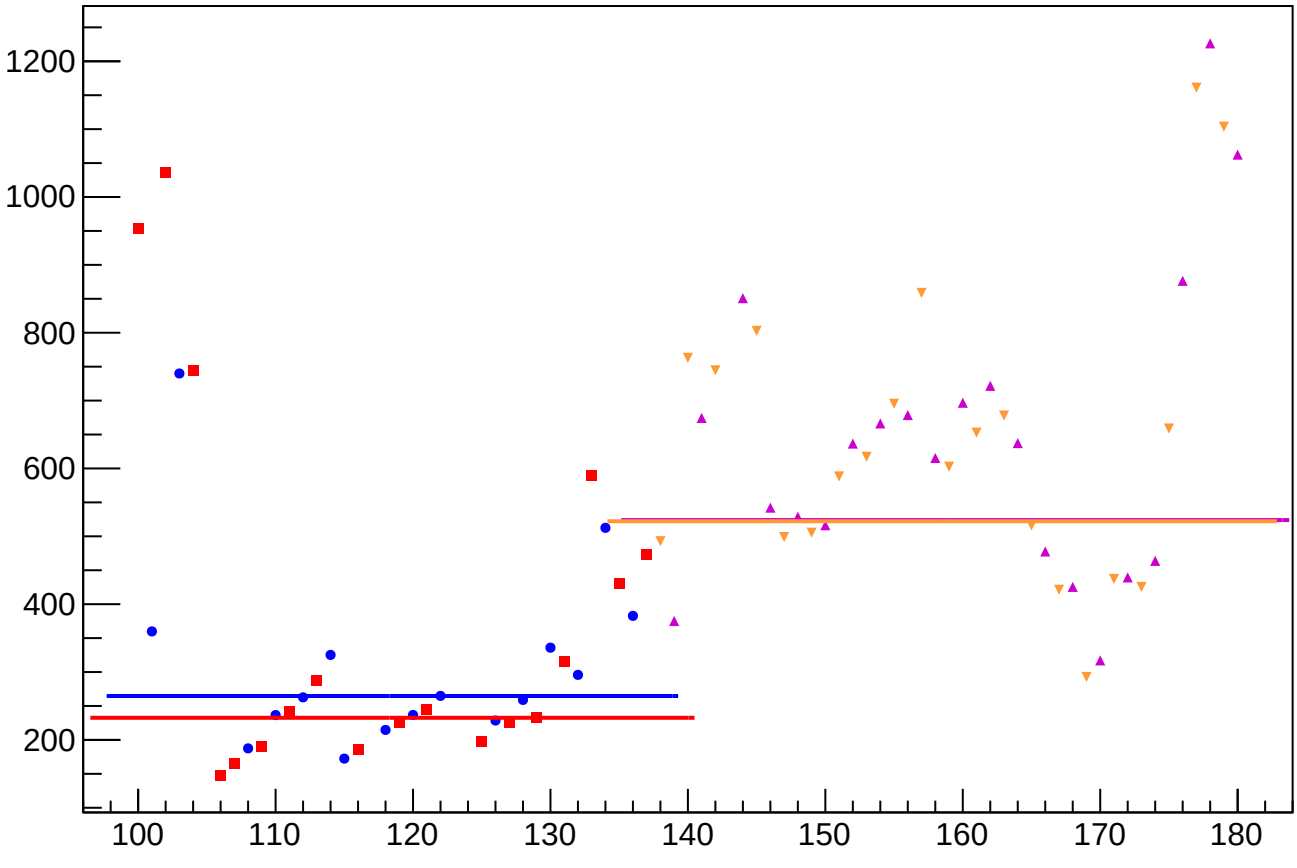
Left: 0.067+/-0.096 χ^2/NDF: 52.8/41

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.096+/-0.083 χ^2/NDF:36.5/36

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.020+/-0.057 χ^2/NDF: 85.3/75



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 523.950+/-0.095 χ^2/NDF:3122590.7/20

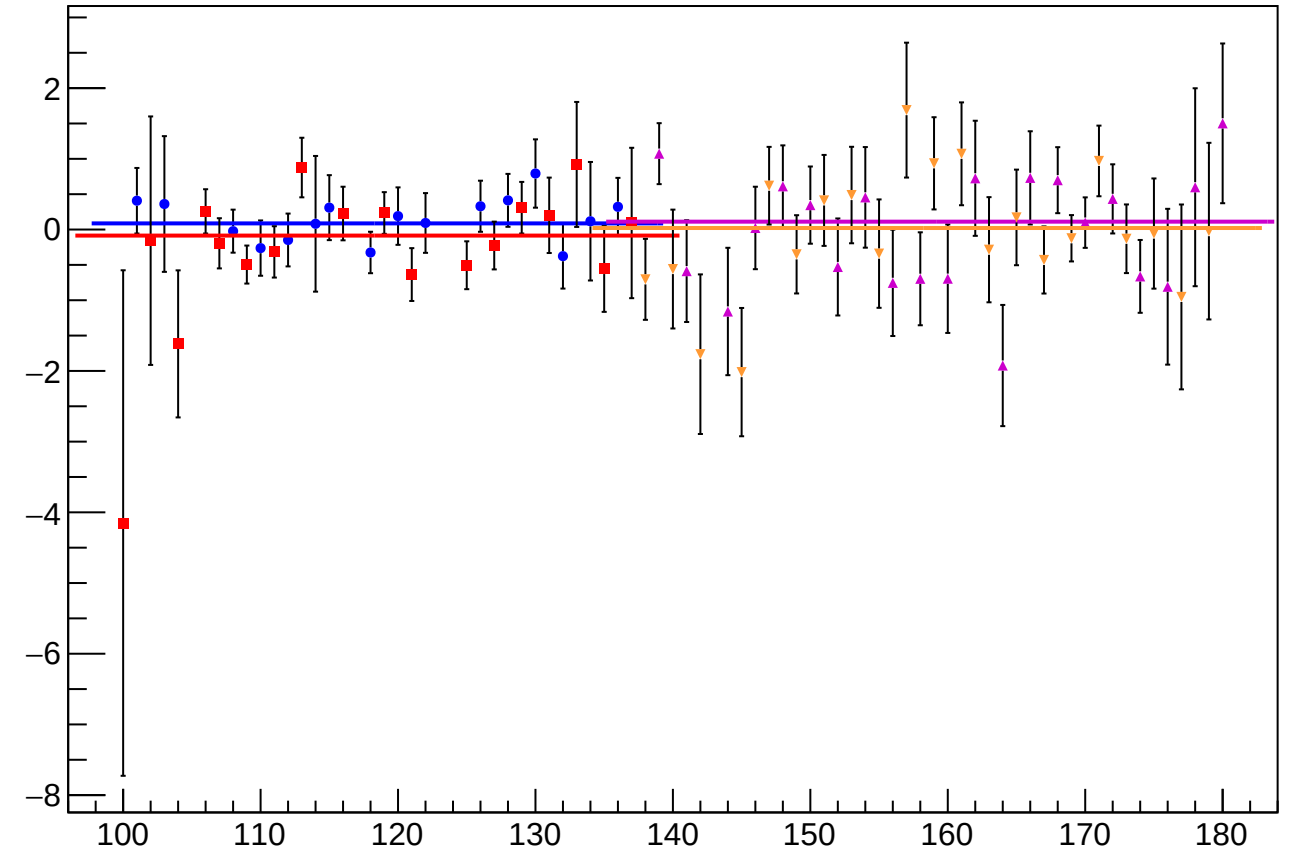
Left: 523.100+/-0.068 χ^2/NDF: 6341387.0/41

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 363.039+/-0.059 χ^2/NDF:9026668.1/36

Out: 330.042+/-0.056 χ^2/NDF:11208939.0/38

All: 345.830+/-0.040 χ^2/NDF: 20401340.9/75



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.111+/-0.134 χ^2/NDF:27.6/20

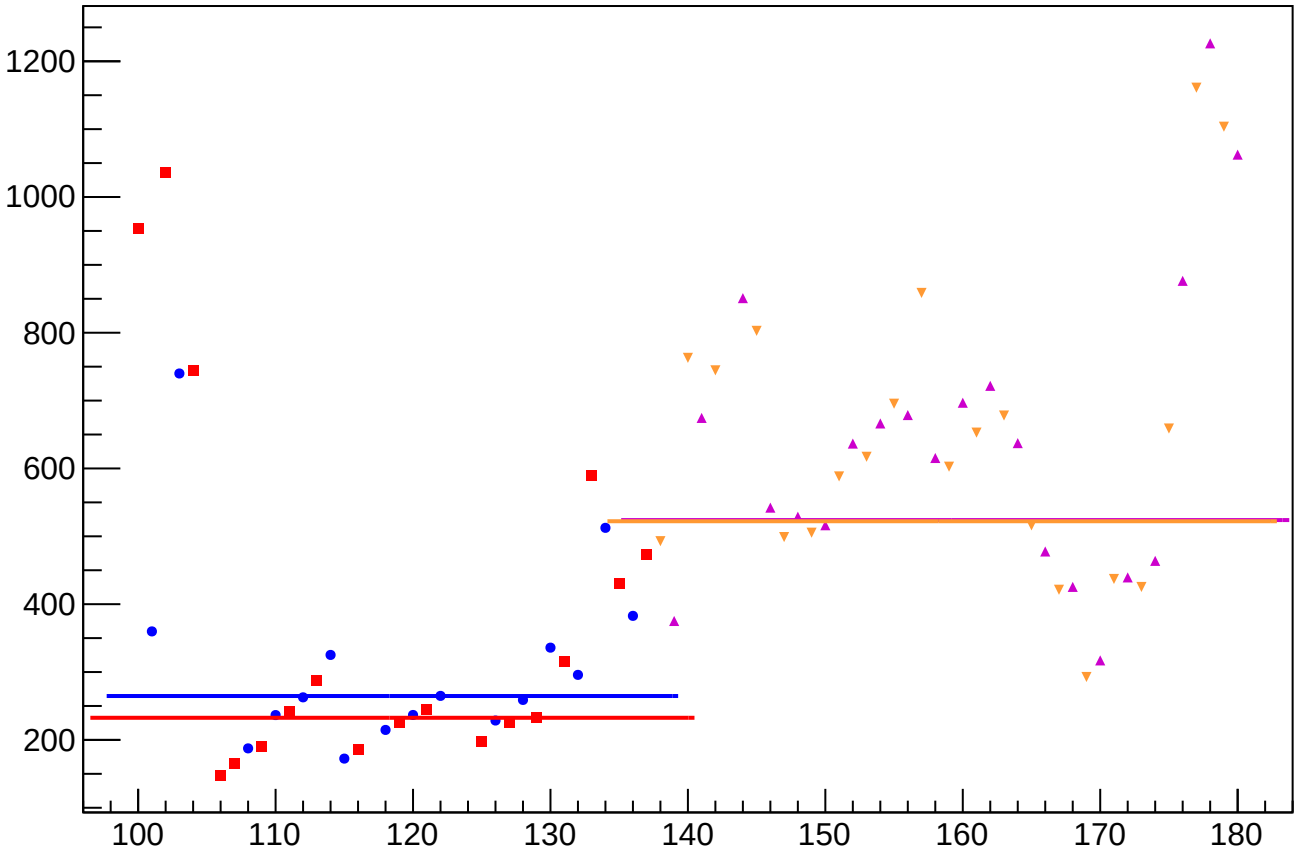
Left: 0.067+/-0.096 χ^2/NDF: 52.8/41

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.096+/-0.083 χ^2/NDF:36.5/36

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.020+/-0.057 χ^2/NDF: 85.3/75



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 523.950+/-0.095 χ^2/NDF:3122590.7/20

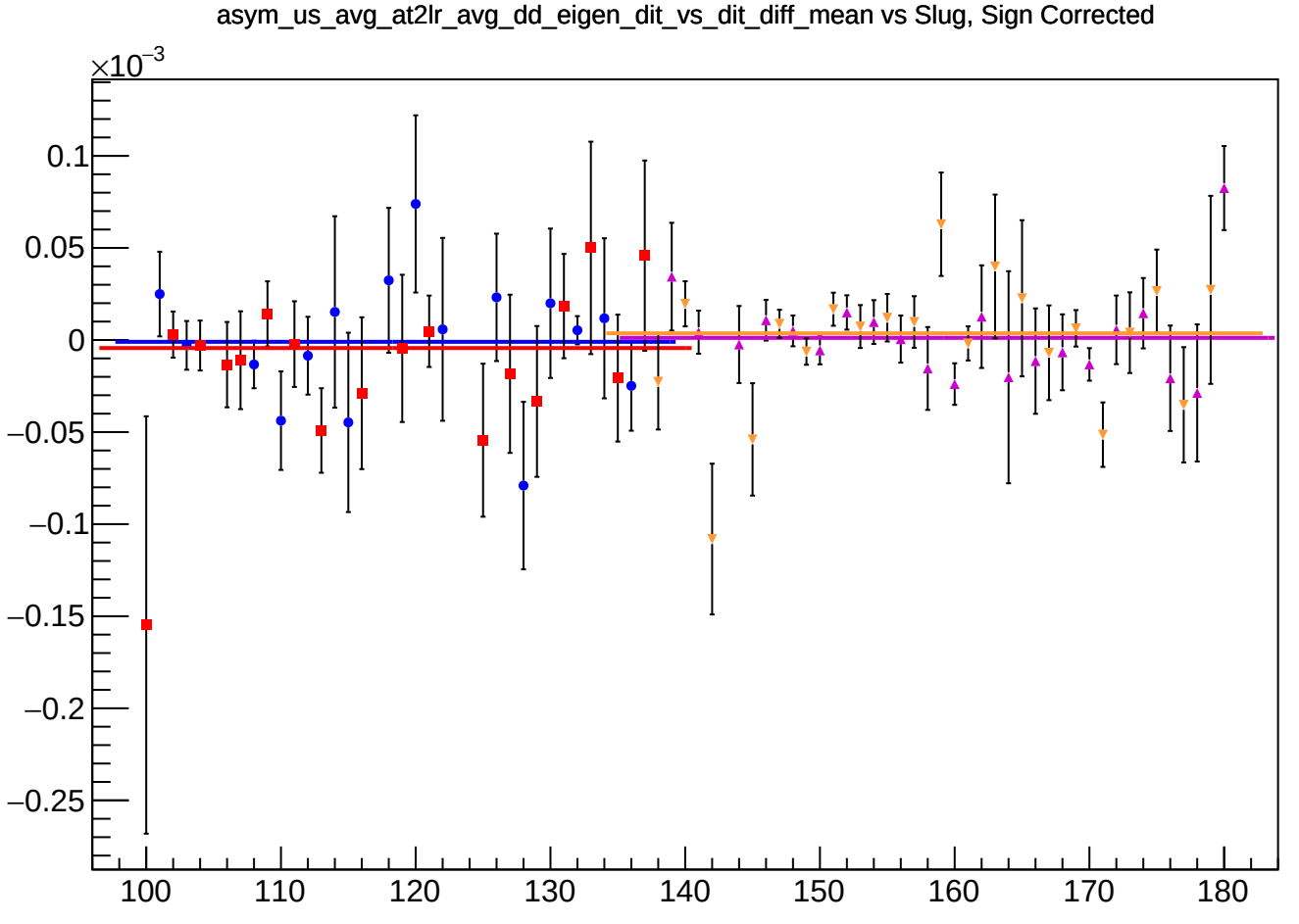
Left: 523.100+/-0.068 χ^2/NDF: 6341387.0/41

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 363.039+/-0.059 χ^2/NDF:9026668.1/36

Out: 330.042+/-0.056 χ^2/NDF:11208939.0/38

All: 345.830+/-0.040 χ^2/NDF: 20401340.9/75



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:29.2/20

Left: 0.000+/-0.000 χ^2/NDF: 67.3/41

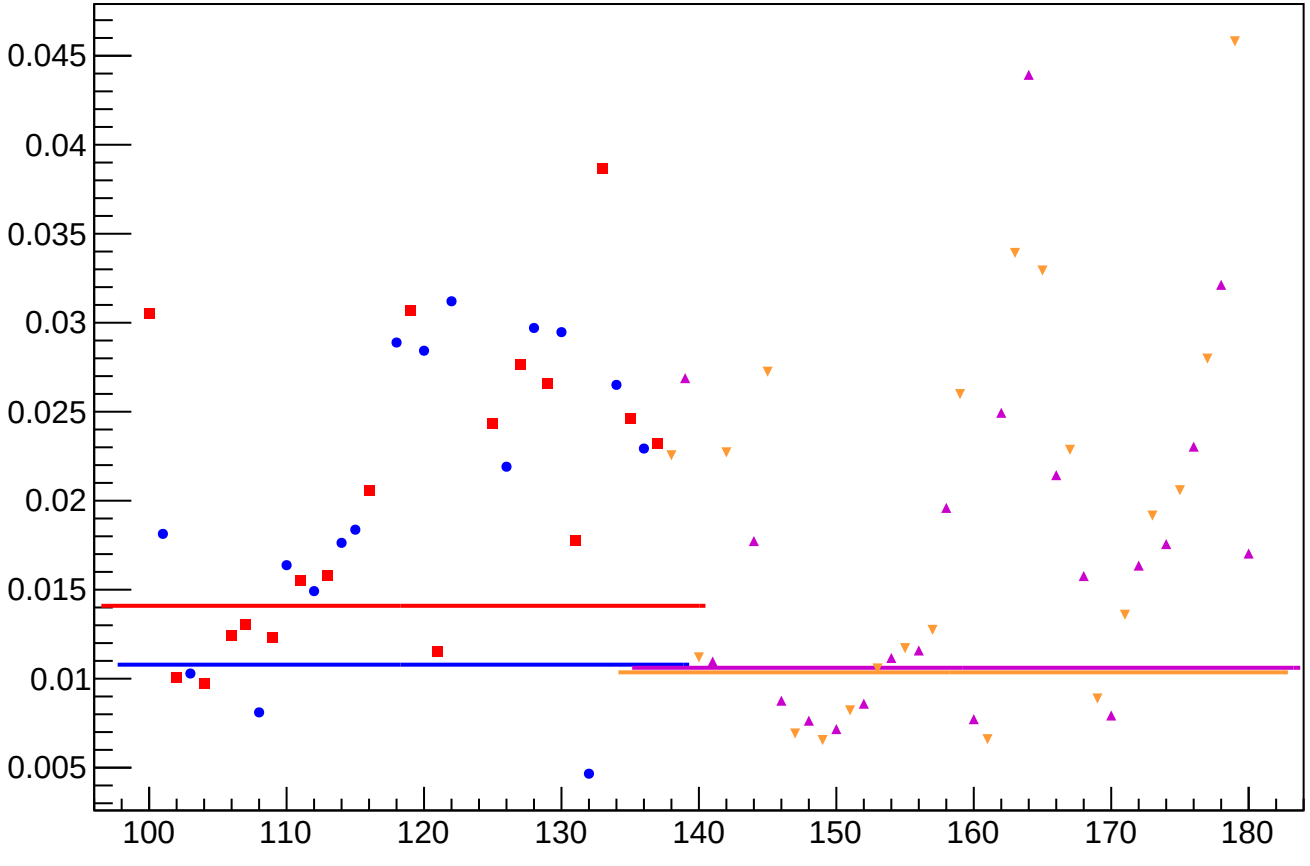
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:43.7/36

Out: 0.000+/-0.000 χ^2/NDF:51.9/38

All: 0.000+/-0.000 χ^2/NDF: 95.7/75

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:7577529.7/20

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.011+/-0.000 χ^2/NDF:5584601.3/20

Left: 0.010+/-0.000 χ^2/NDF: 13169518.9/41

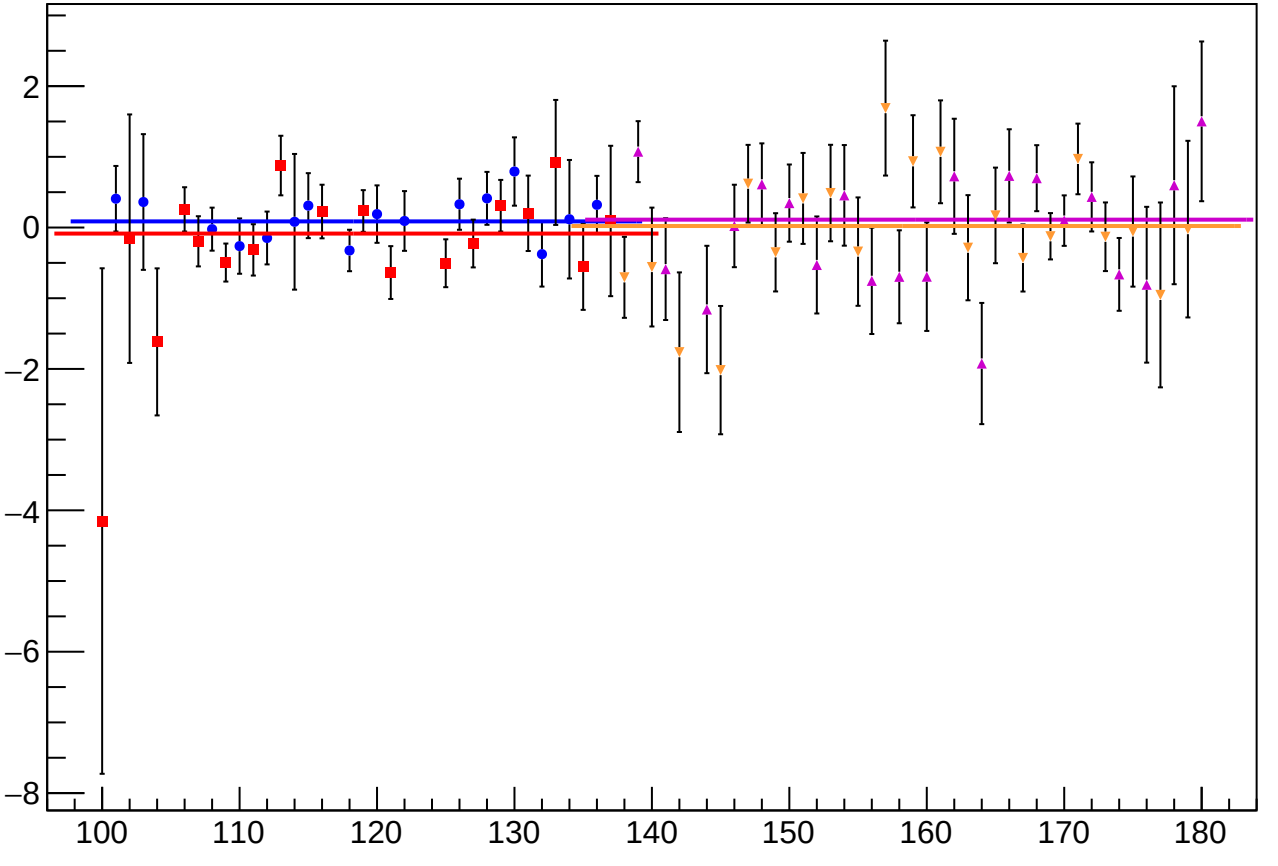
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:10166466.5/36

Out: 0.011+/-0.000 χ^2/NDF:10331859.6/38

All: 0.011+/-0.000 χ^2/NDF: 20534762.6/75

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: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.111+/-0.134 χ^2/NDF:27.6/20

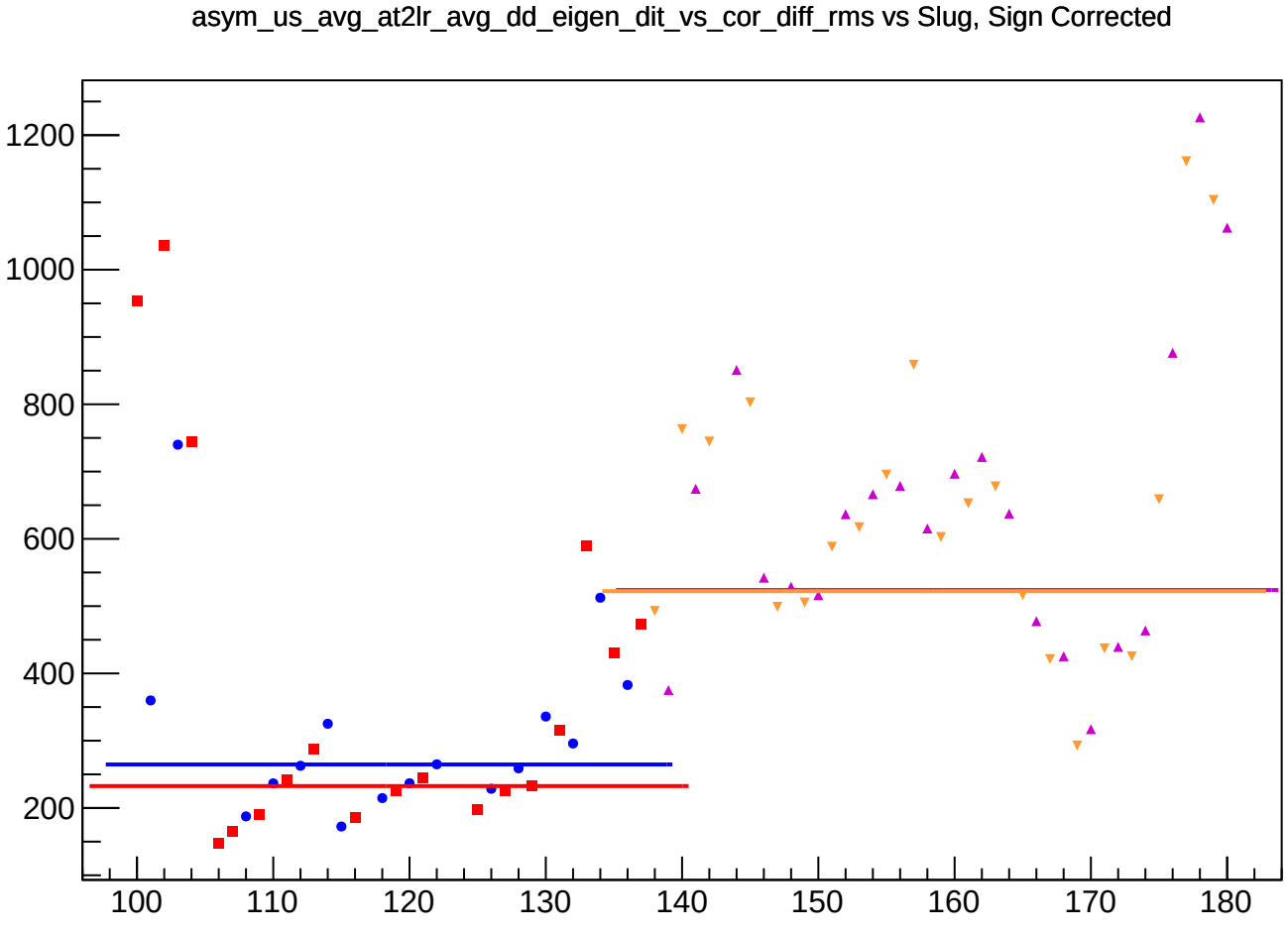
Left: 0.067+/-0.096 χ^2/NDF: 52.9/41

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.096+/-0.083 χ^2/NDF:36.5/36

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.020+/-0.057 χ^2/NDF: 85.3/75



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 523.953+/-0.095 χ^2/NDF:3122675.8/20

Left: 523.102+/-0.068 χ^2/NDF: 6341642.3/41

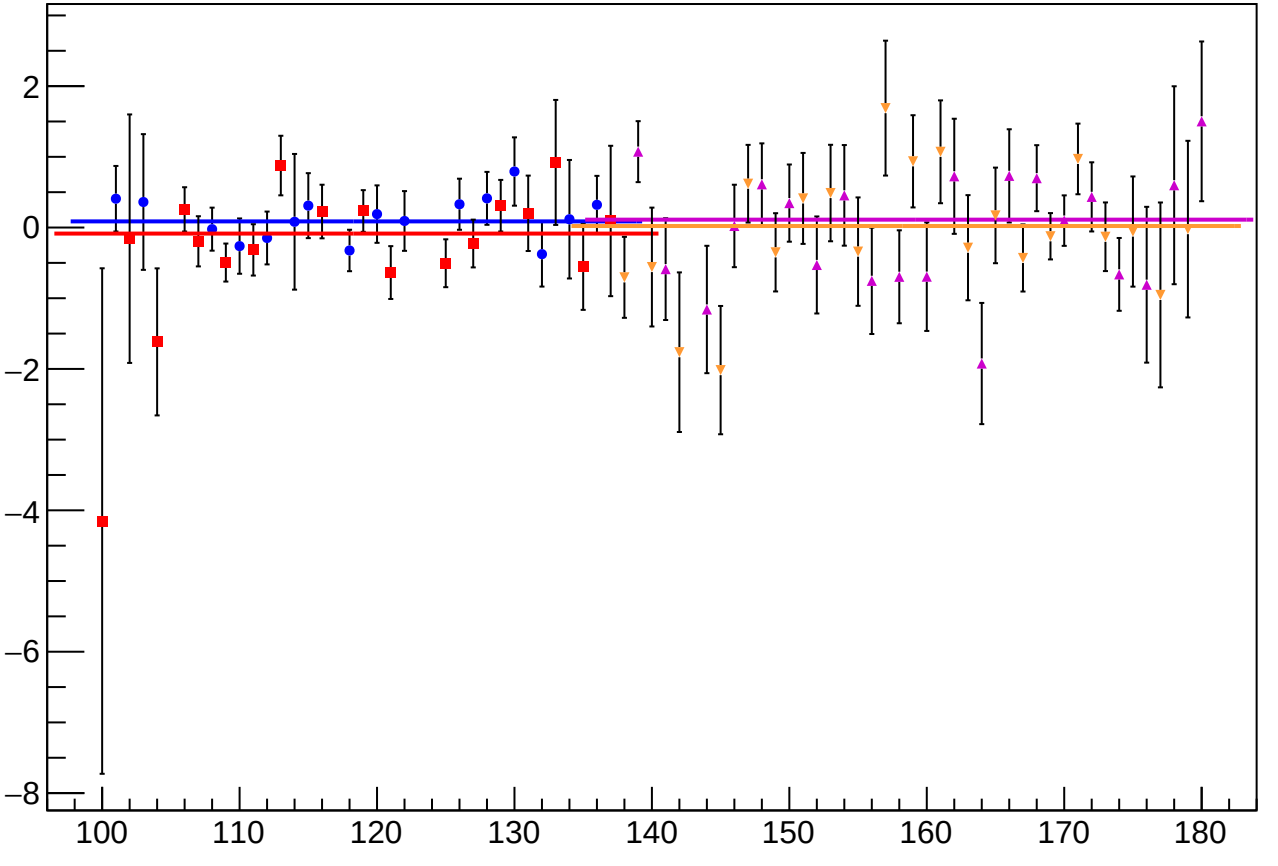
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 363.038+/-0.059 χ^2/NDF:9026804.4/36

Out: 330.042+/-0.056 χ^2/NDF:11209051.1/38

All: 345.830+/-0.040 χ^2/NDF: 20401584.5/75

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: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.111+/-0.134 χ^2/NDF:27.6/20

Left: 0.067+/-0.096 χ^2/NDF: 52.9/41

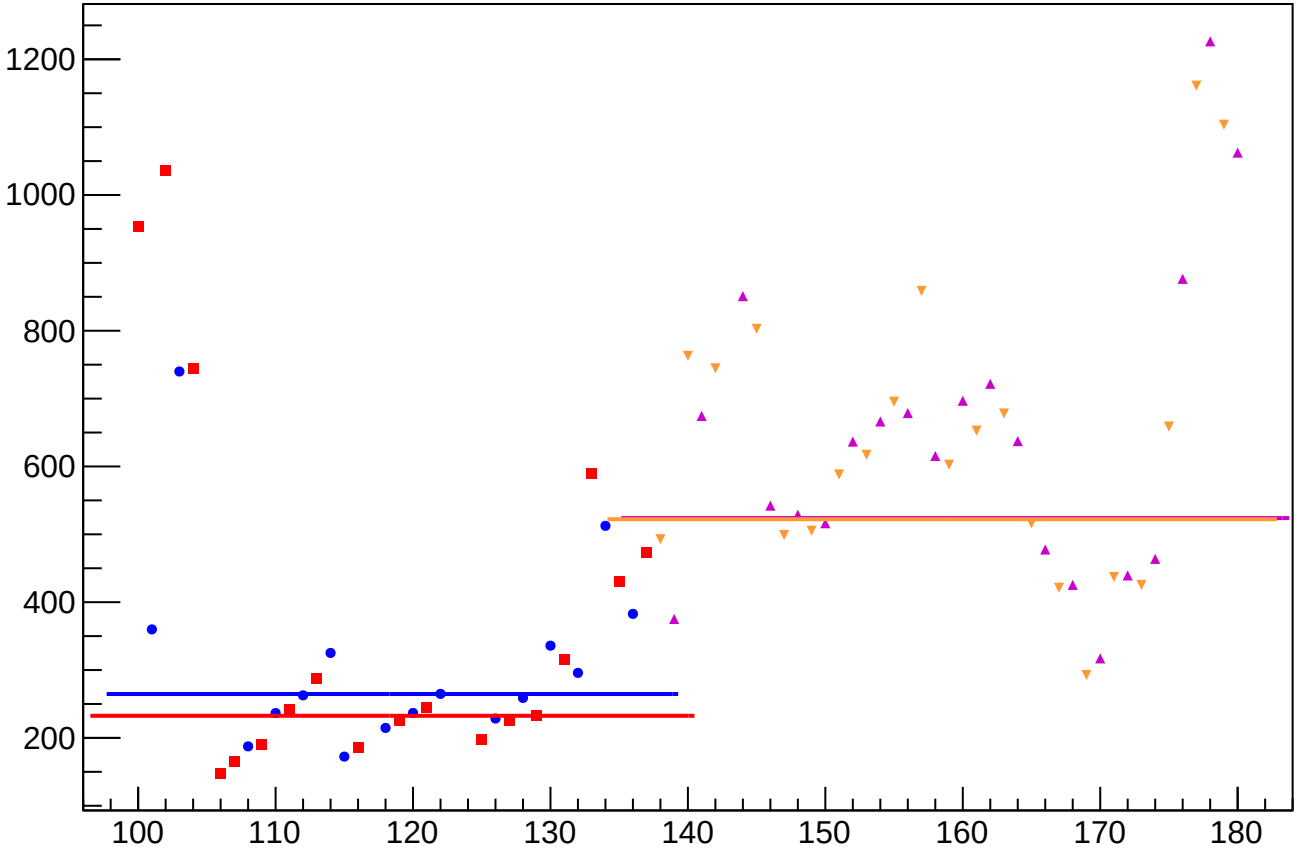
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.096+/-0.083 χ^2/NDF:36.5/36

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.020+/-0.057 χ^2/NDF: 85.3/75

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 523.953+/-0.095 χ^2/NDF:3122675.8/20

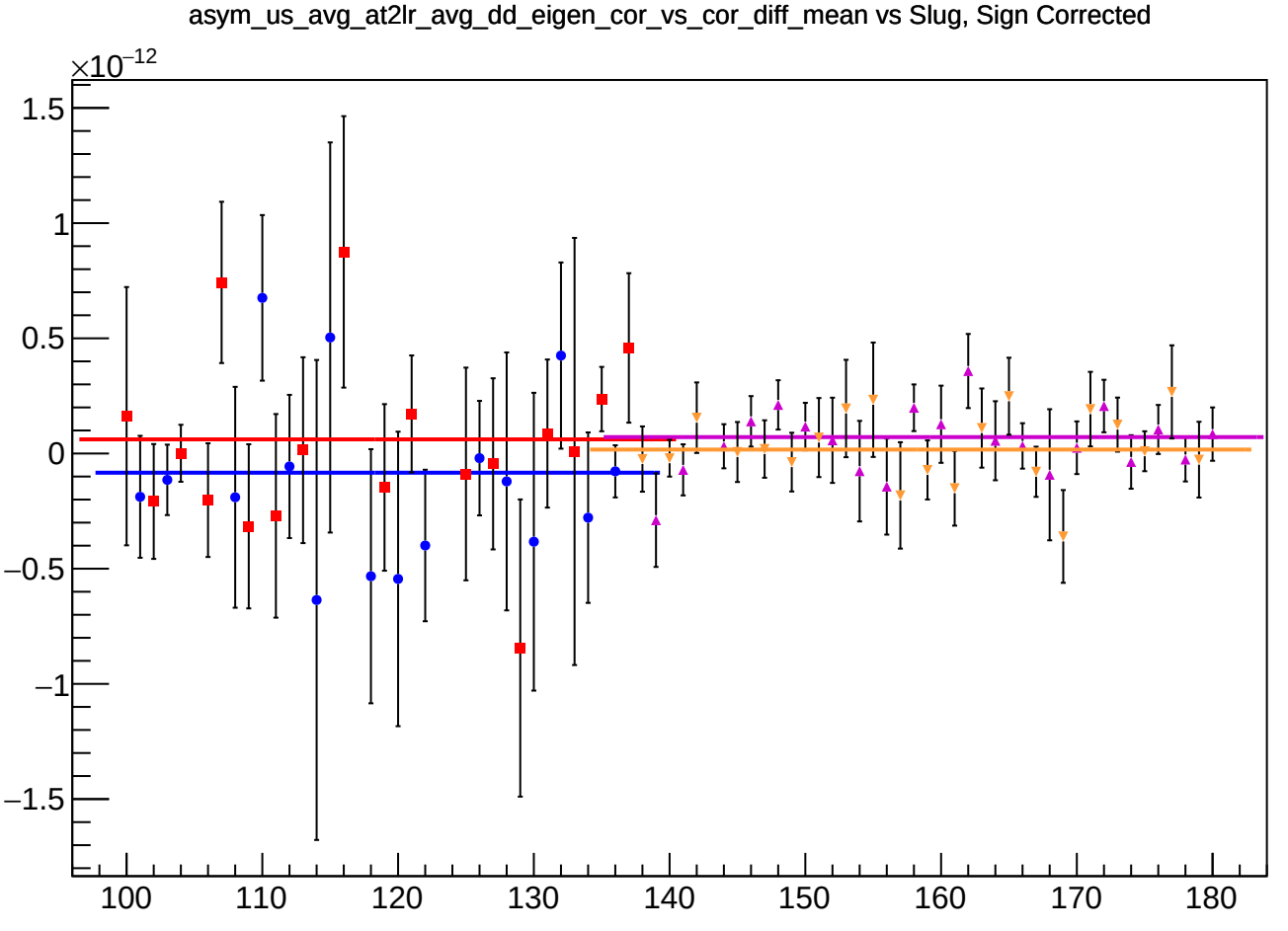
Left: 523.102+/-0.068 χ^2/NDF: 6341642.3/41

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 363.038+/-0.059 χ^2/NDF:9026804.4/36

Out: 330.042+/-0.056 χ^2/NDF:11209051.1/38

All: 345.830+/-0.040 χ^2/NDF: 20401584.5/75



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.7/20

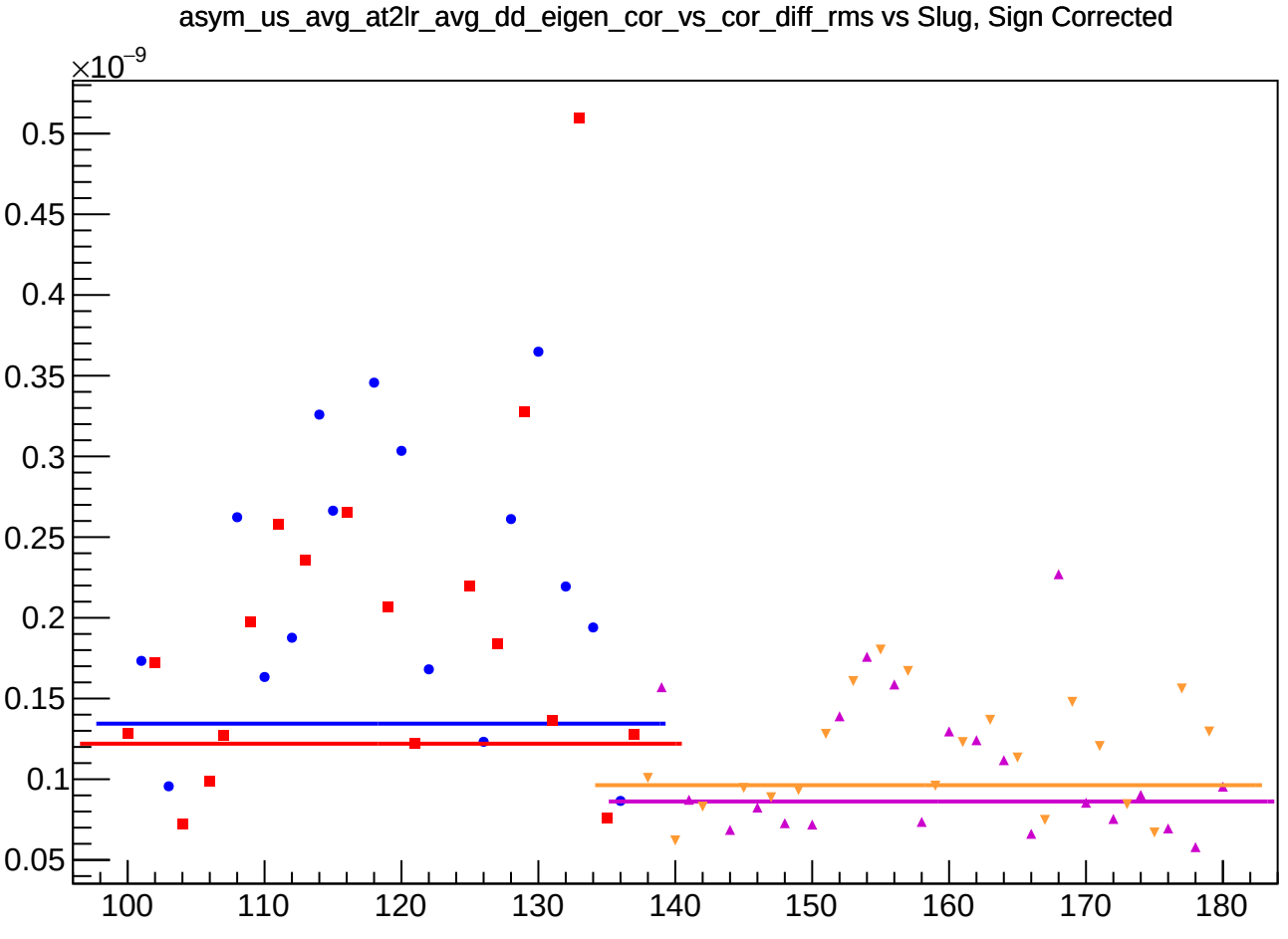
Left: 0.000+/-0.000 χ^2/NDF: 34.8/41

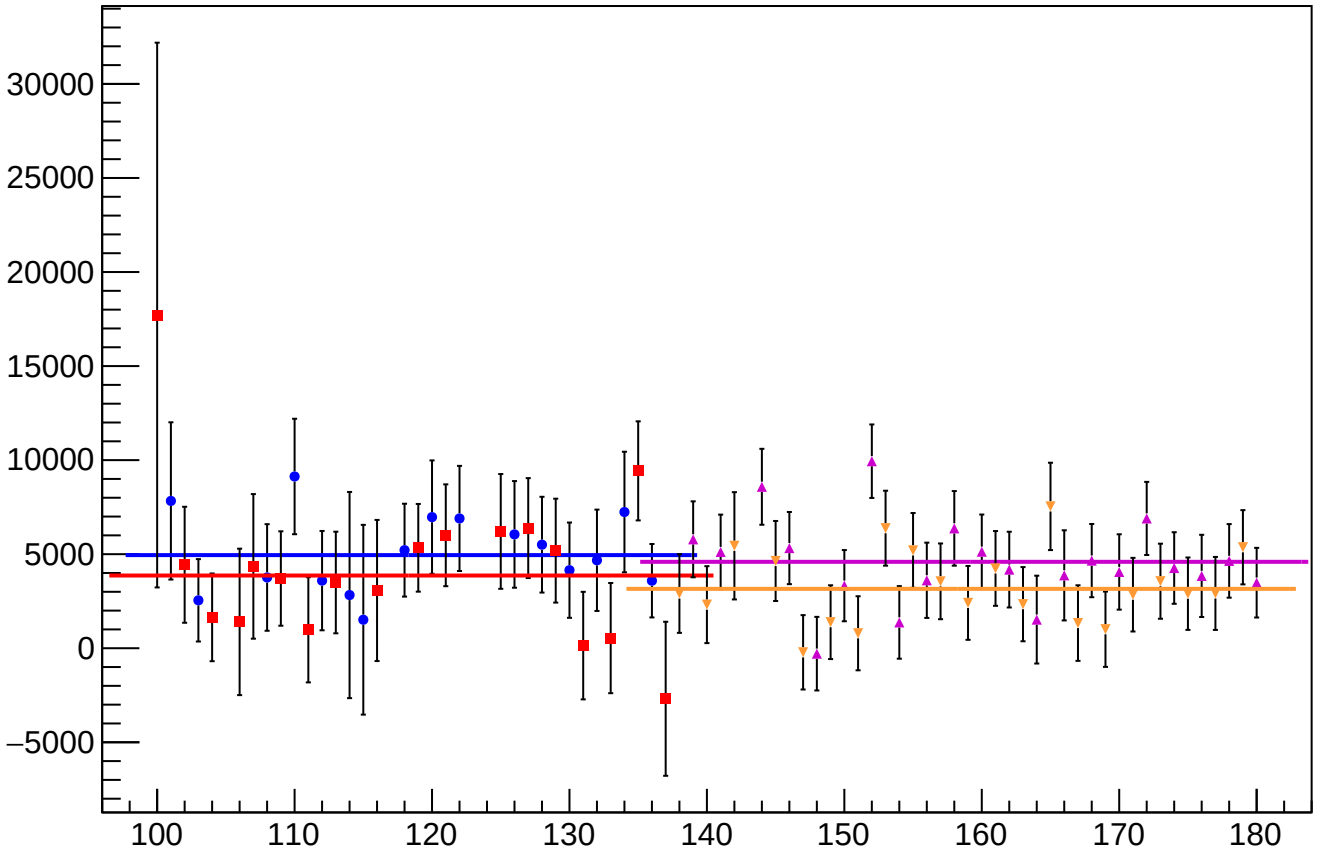
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:31.8/36

Out: 0.000+/-0.000 χ^2/NDF:31.4/38

All: 0.000+/-0.000 χ^2/NDF: 63.7/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2012510.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2277104.0/20
Left: 0.000+/-0.000 χ²/NDF: 4414646.7/41
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4939042.0/36
Out: 0.000+/-0.000 χ²/NDF:4276816.5/38
All: 0.000+/-0.000 χ²/NDF: 9315745.2/75



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.659+/-443.055 χ^2/NDF:17.7/20

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4593.685+/-435.665 χ^2/NDF:26.4/20

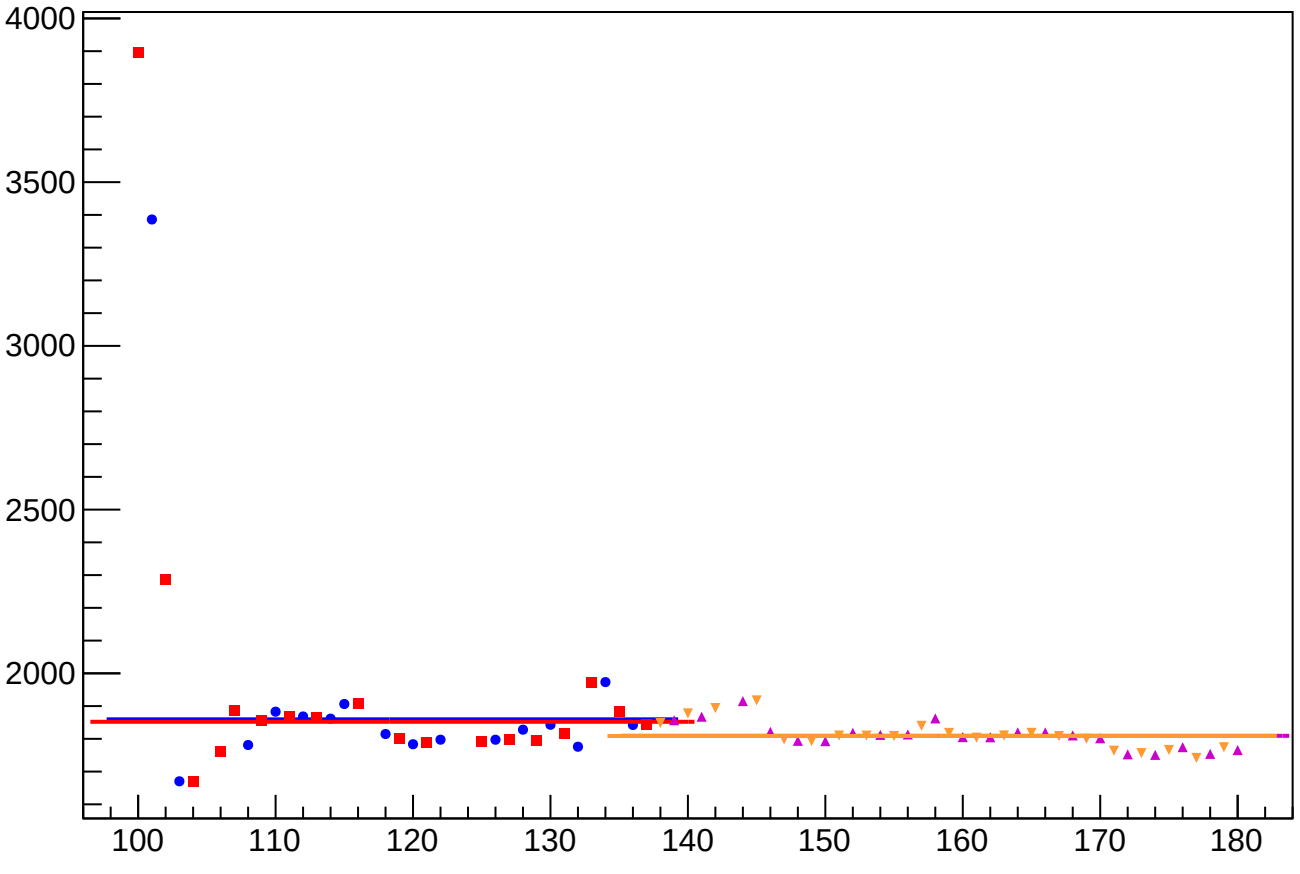
Left: 3887.256+/-310.642 χ^2/NDF: 49.5/41

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4693.477+/-369.721 χ^2/NDF:33.4/36

Out: 3361.057+/-373.719 χ^2/NDF:34.6/38

All: 4034.432+/-262.835 χ^2/NDF: 74.5/75



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

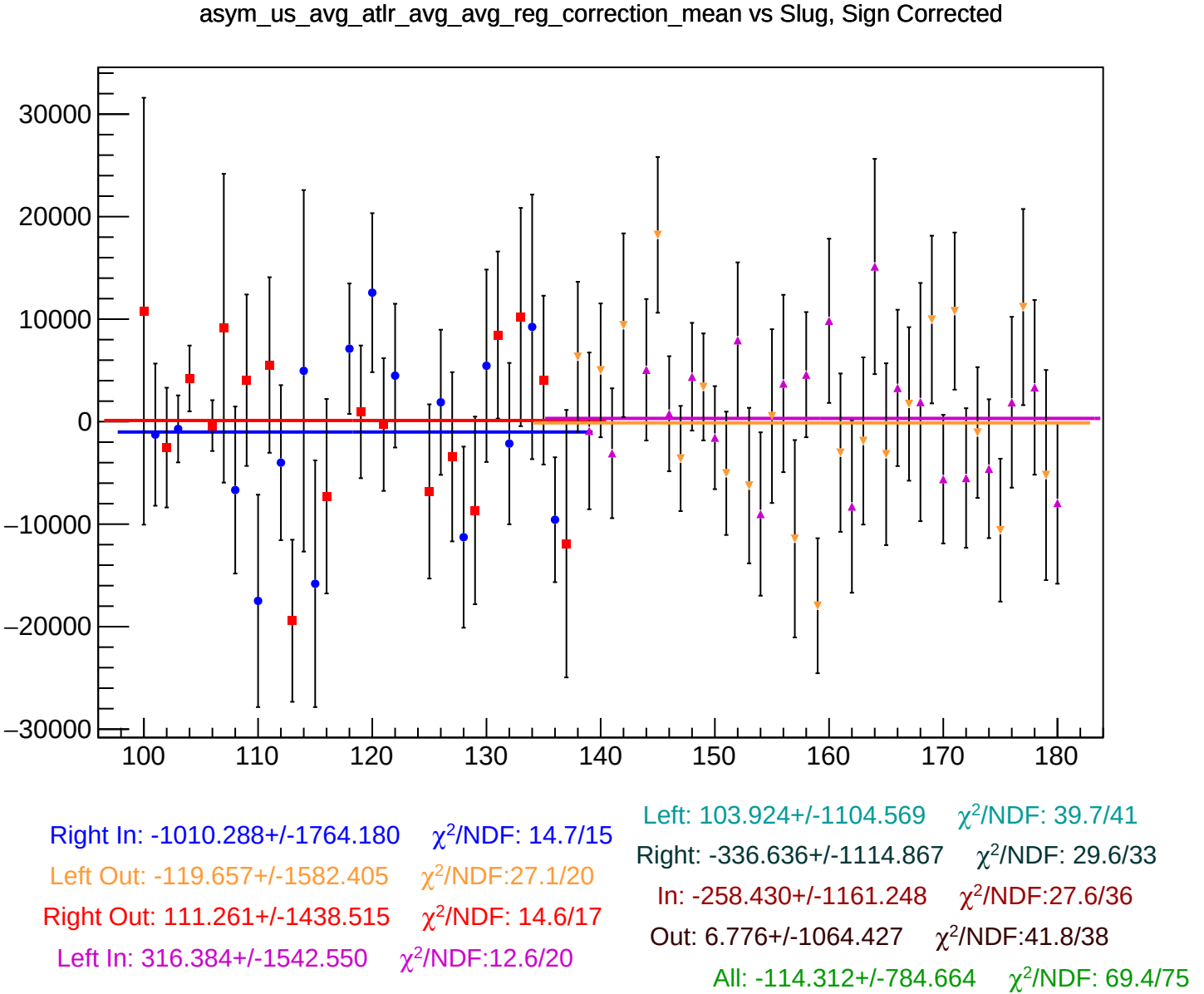
Left: 1808.914+/-0.220 χ^2/NDF: 34291.5/41

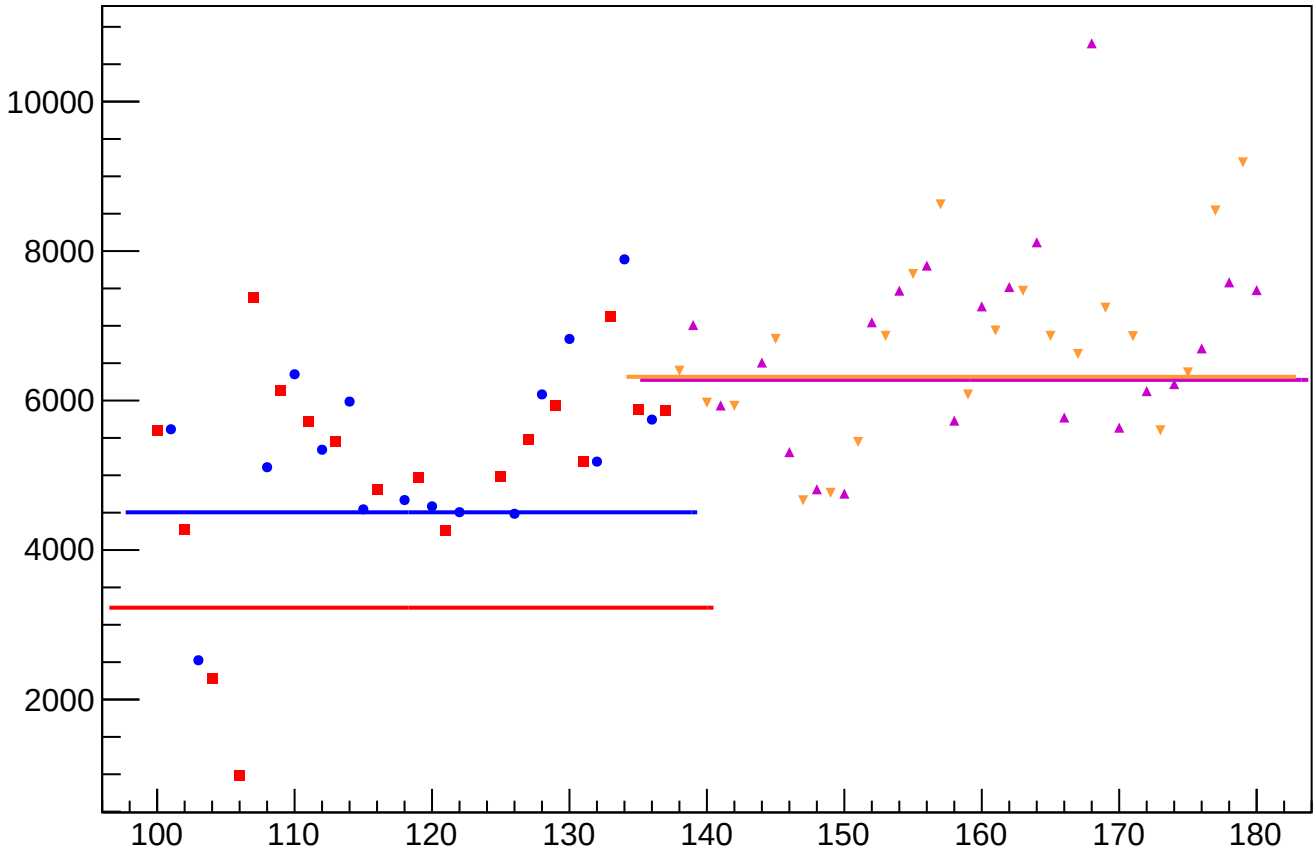
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1823.281+/-0.261 χ^2/NDF:316886.8/36

Out: 1821.203+/-0.264 χ^2/NDF:124985.2/38

All: 1822.252+/-0.186 χ^2/NDF: 441903.2/75


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1010.288+/-1764.180 χ²/NDF: 14.7/15
Left Out: -119.657+/-1582.405 χ²/NDF:27.1/20
Right Out: 111.261+/-1438.515 χ²/NDF: 14.6/17
Left In: 316.384+/-1542.550 χ²/NDF:12.6/20
Left: 103.924+/-1104.569 χ²/NDF: 39.7/41
Right: -336.636+/-1114.867 χ²/NDF: 29.6/33
In: -258.430+/-1161.248 χ²/NDF:27.6/36
Out: 6.776+/-1064.427 χ²/NDF:41.8/38
All: -114.312+/-784.664 χ²/NDF: 69.4/75



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6317.746+/-1.119 χ^2/NDF:1014857.7/20

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6276.646+/-1.091 χ^2/NDF:1132845.8/20

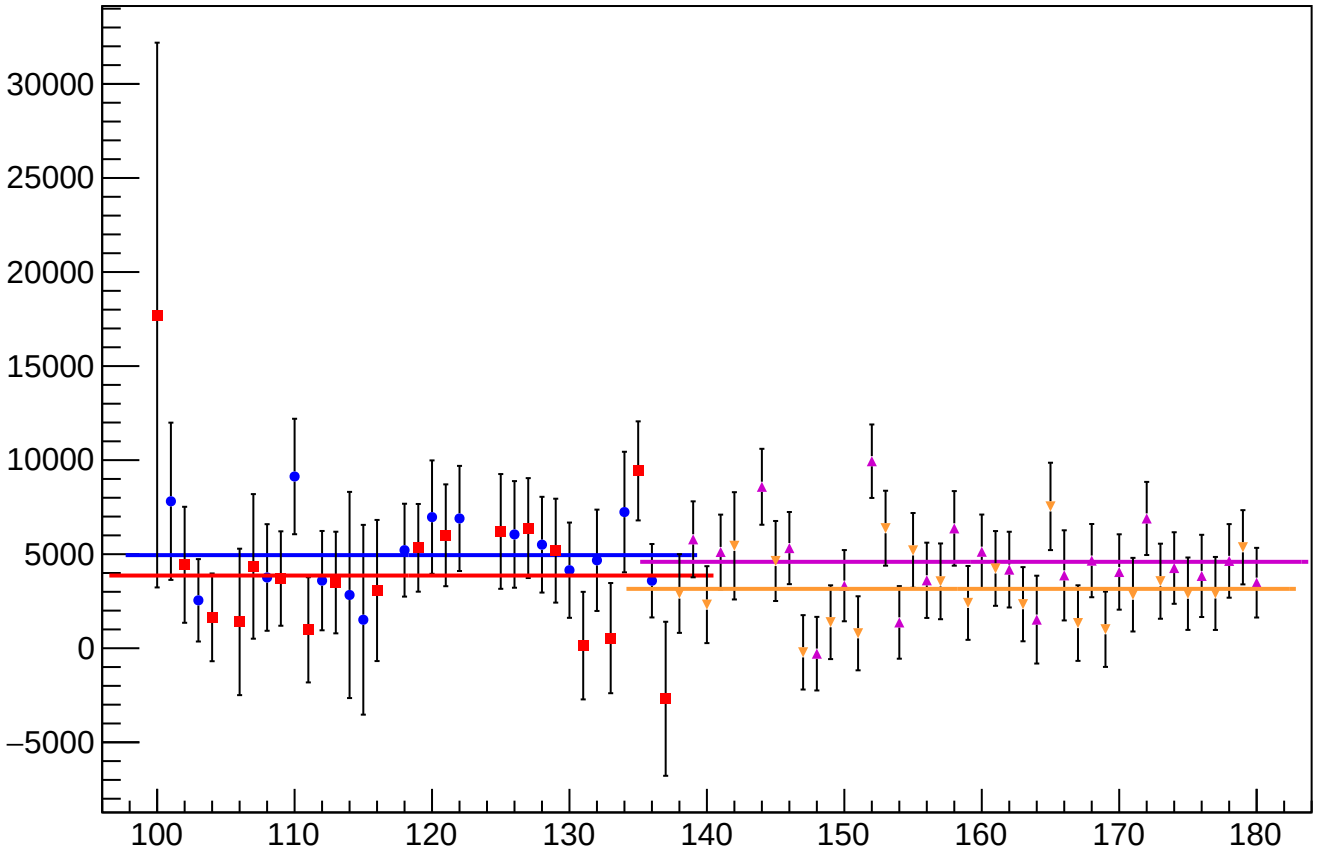
Left: 6296.672+/-0.781 χ^2/NDF: 2148395.4/41

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5508.943+/-0.821 χ^2/NDF:3597286.0/36

Out: 4626.369+/-0.753 χ^2/NDF:9144488.9/38

All: 5029.335+/-0.555 χ^2/NDF: 13369570.1/7



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4593.699+/-435.665 χ^2/NDF:26.4/20

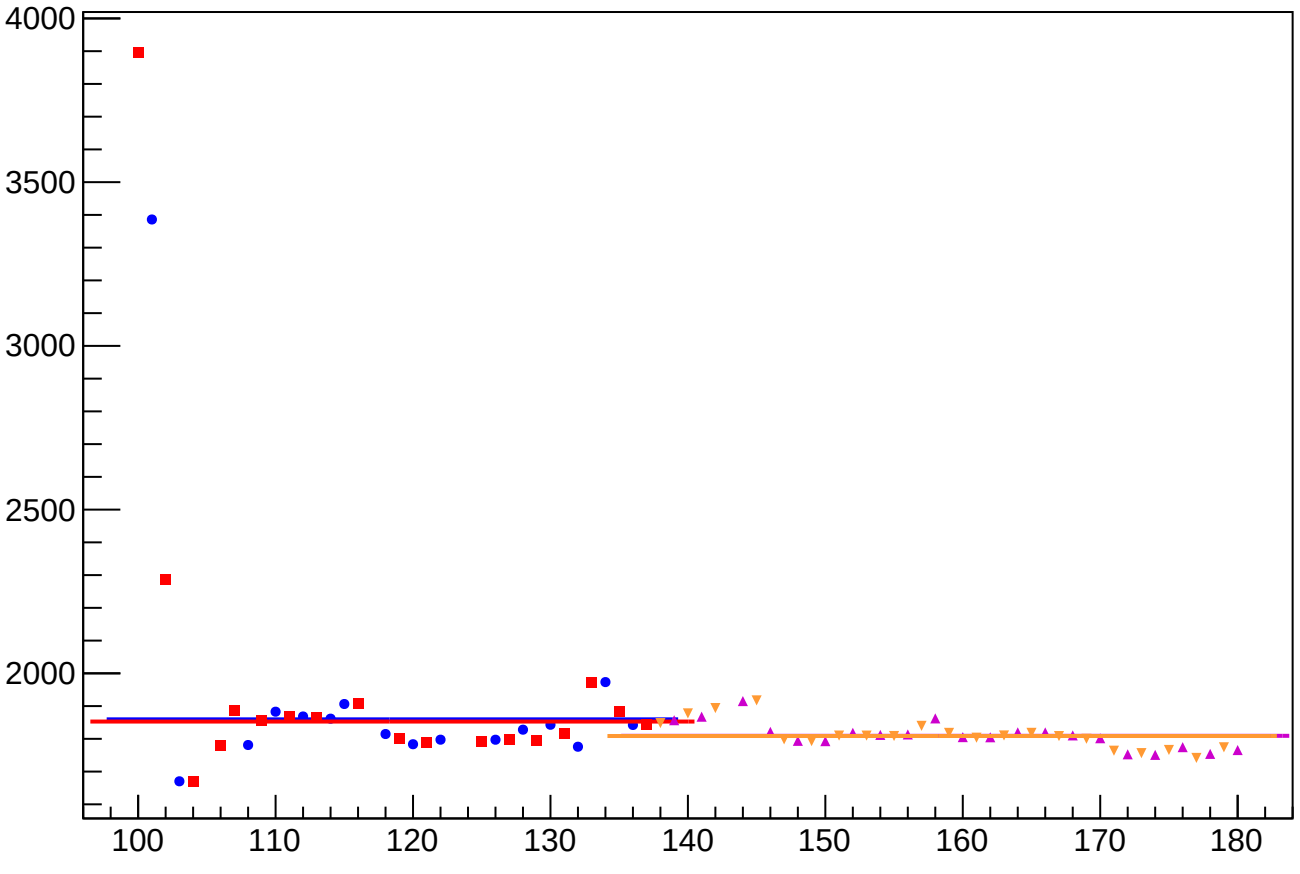
Left: 3887.233+/-310.642 χ^2/NDF: 49.5/41

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4693.352+/-369.721 χ^2/NDF:33.4/36

Out: 3360.951+/-373.719 χ^2/NDF:34.6/38

All: 4034.316+/-262.835 χ^2/NDF: 74.5/75



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

Left: 1808.914+/-0.220 χ^2/NDF: 34291.5/41

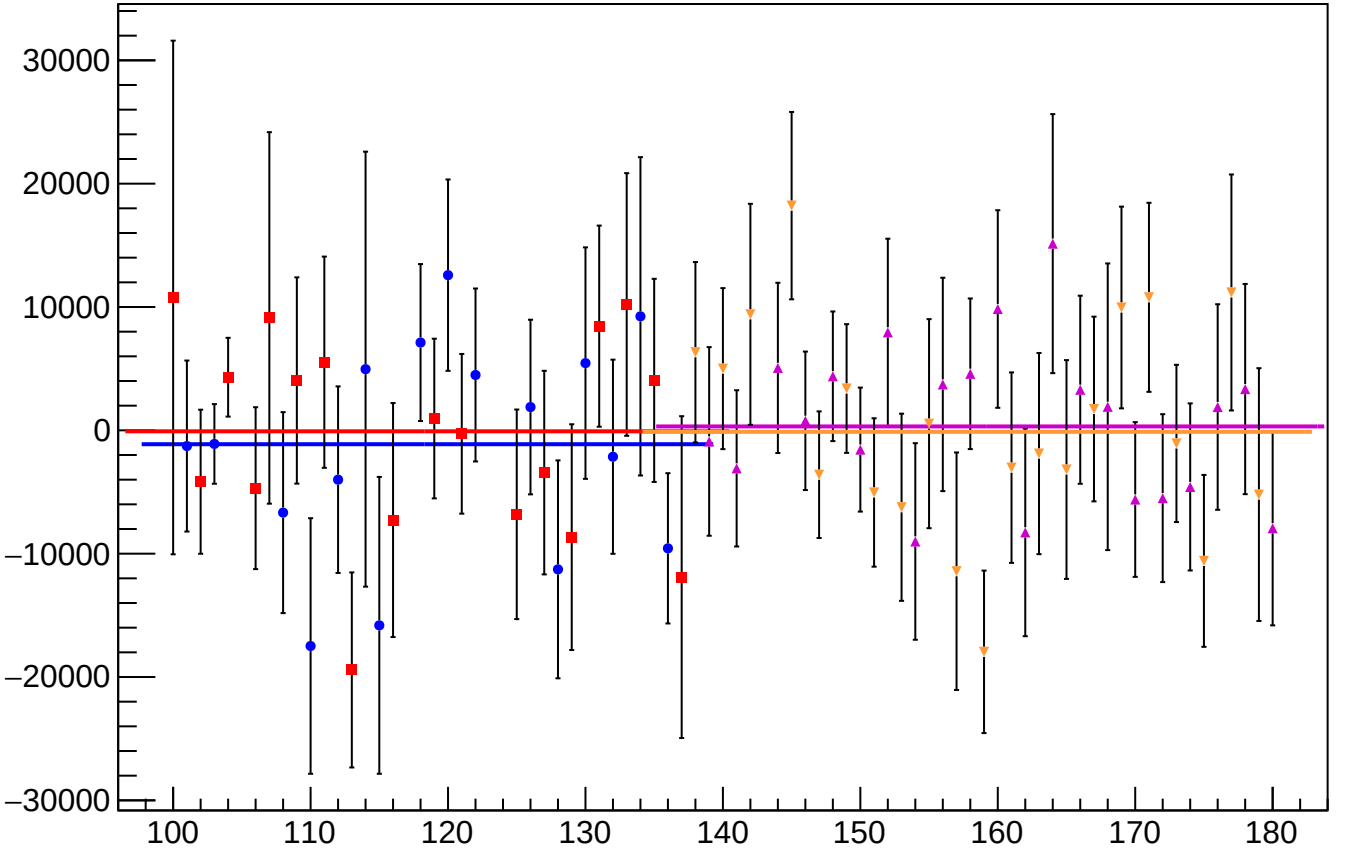
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1823.281+/-0.261 χ^2/NDF:316888.6/36

Out: 1821.401+/-0.264 χ^2/NDF:124703.0/38

All: 1822.351+/-0.186 χ^2/NDF: 441617.2/75

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -119.693+/-1582.404 χ^2/NDF:27.1/20

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 316.469+/-1542.550 χ^2/NDF:12.6/20

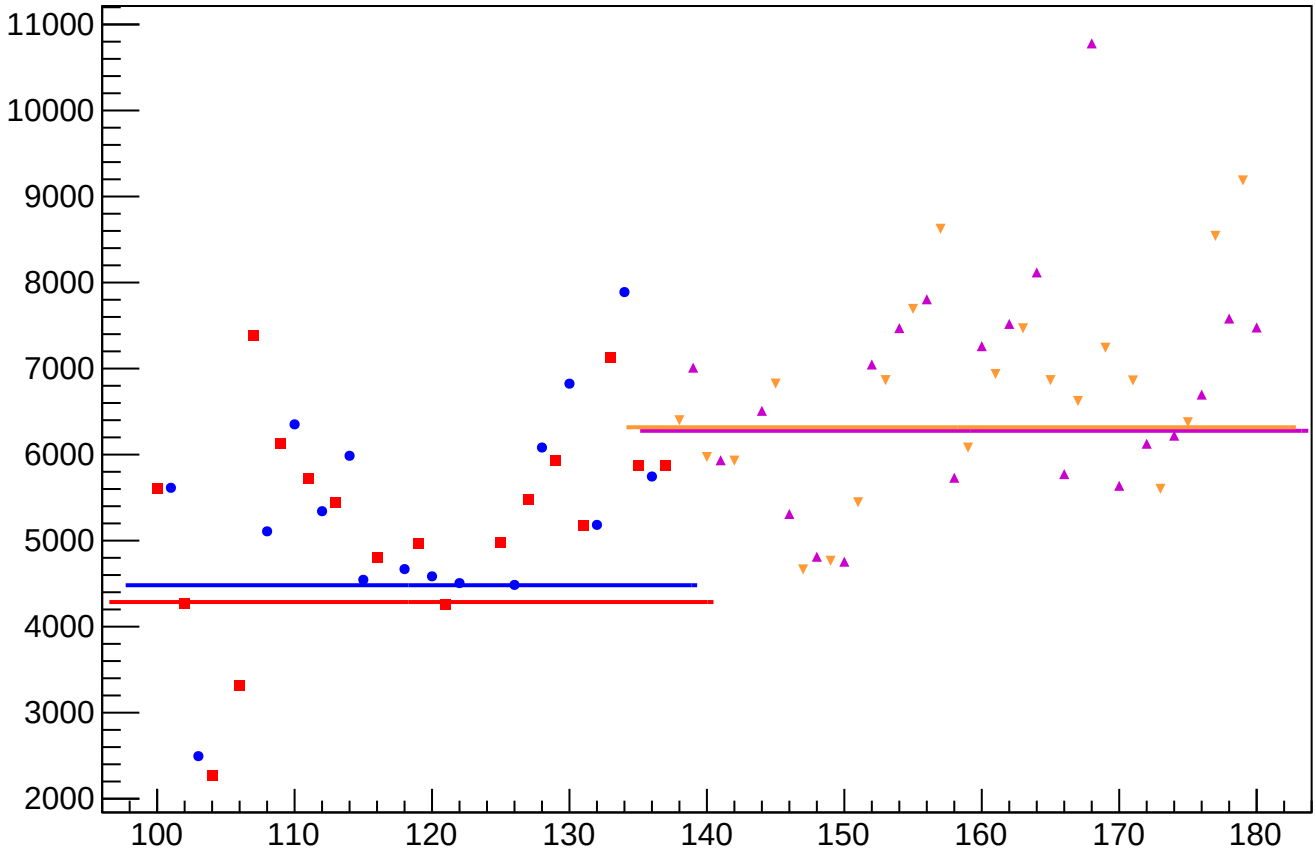
Left: 103.950+/-1104.569 χ^2/NDF: 39.7/41

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -310.866+/-1159.445 χ^2/NDF:27.7/36

Out: -100.494+/-1159.045 χ^2/NDF:42.7/38

All: -205.644+/-819.710 χ^2/NDF: 70.4/75



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6276.645+/-1.091 χ^2/NDF:1132852.4/20

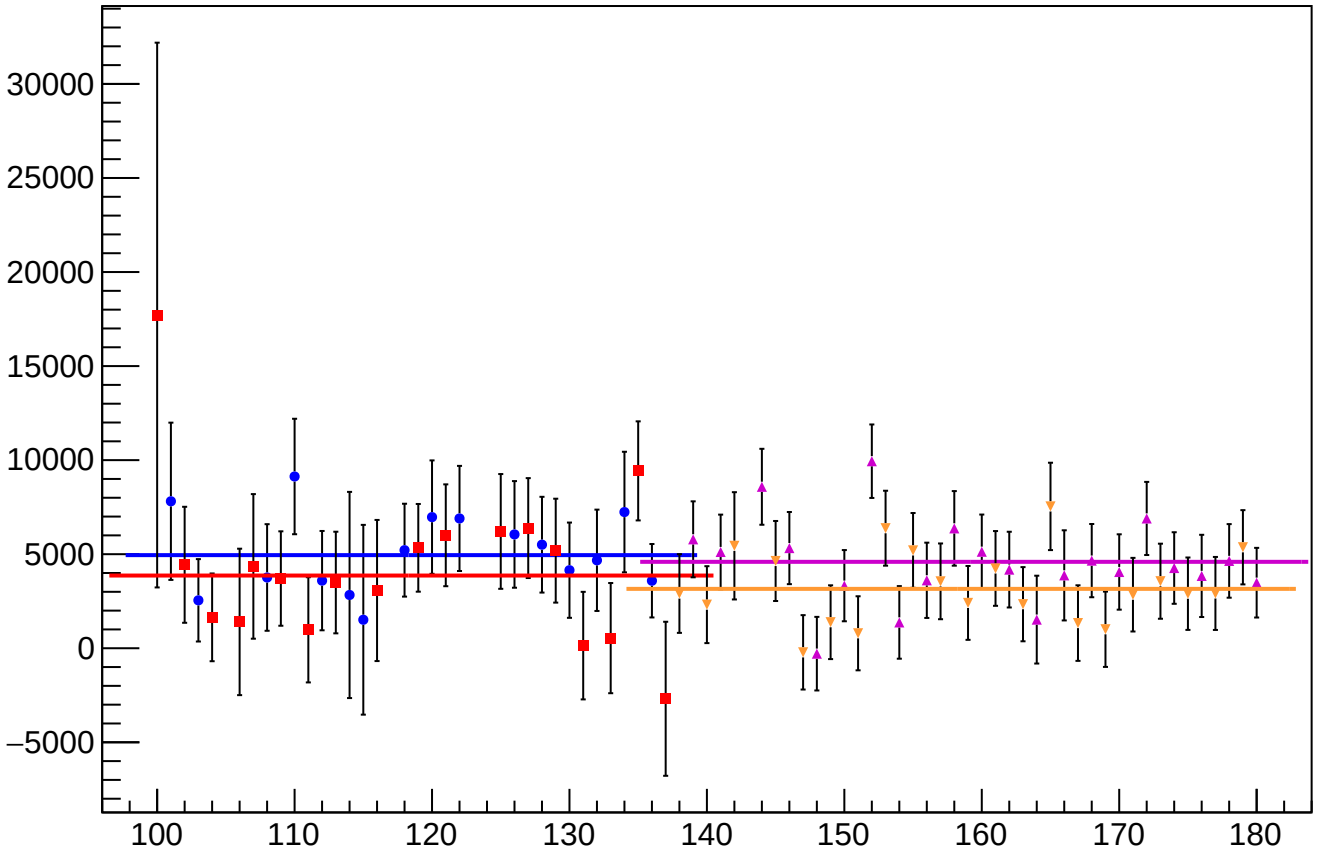
Left: 6296.669+/-0.781 χ^2/NDF: 2148412.7/41

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5495.703+/-0.820 χ^2/NDF:3673434.2/36

Out: 5376.076+/-0.820 χ^2/NDF:4092756.3/38

All: 5435.869+/-0.580 χ^2/NDF: 7776839.4/75



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4593.699+/-435.665 χ^2/NDF:26.4/20

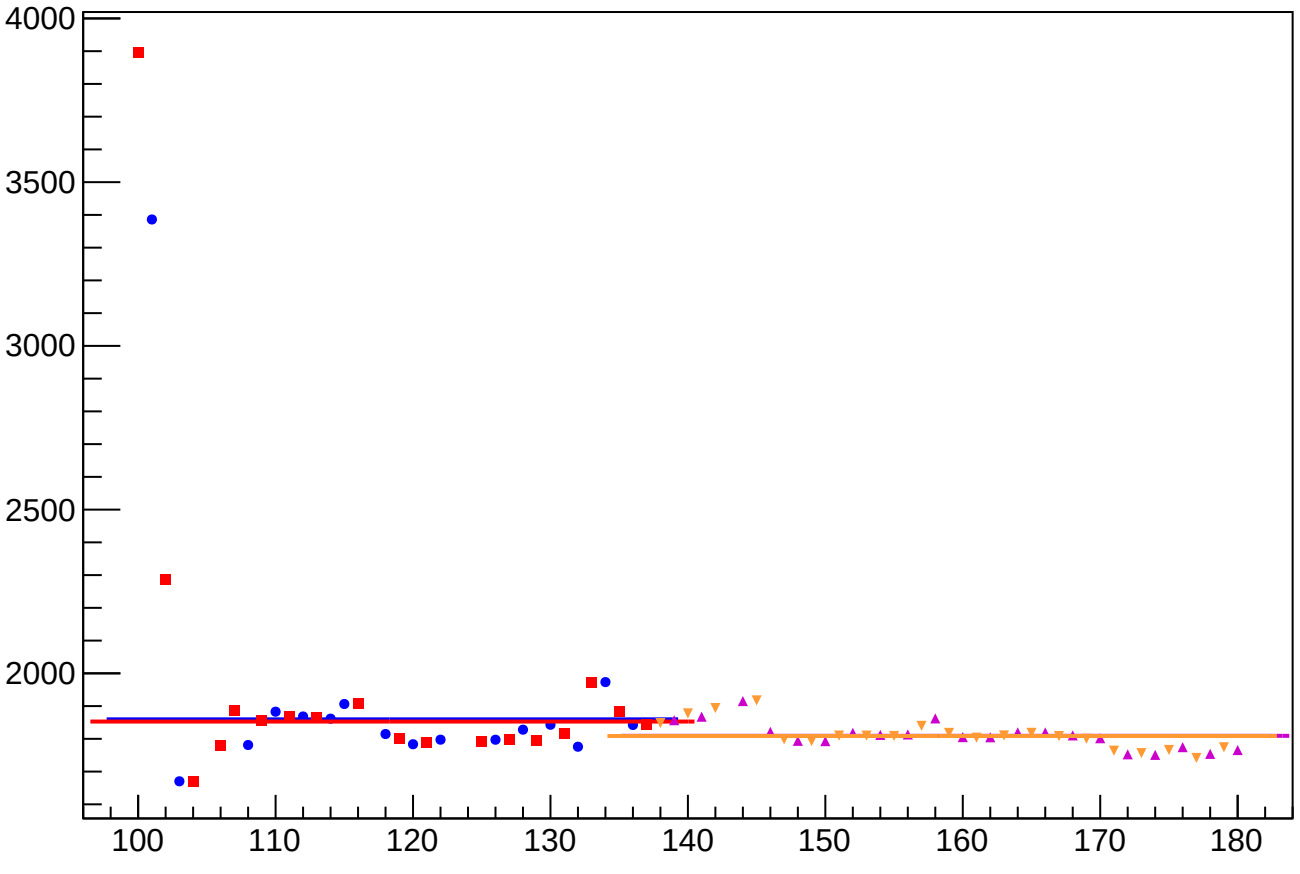
Left: 3887.233+/-310.642 χ^2/NDF: 49.5/41

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4693.352+/-369.721 χ^2/NDF:33.4/36

Out: 3360.951+/-373.719 χ^2/NDF:34.6/38

All: 4034.316+/-262.835 χ^2/NDF: 74.5/75



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1809.205+/-0.308 χ^2/NDF:17091.0/20

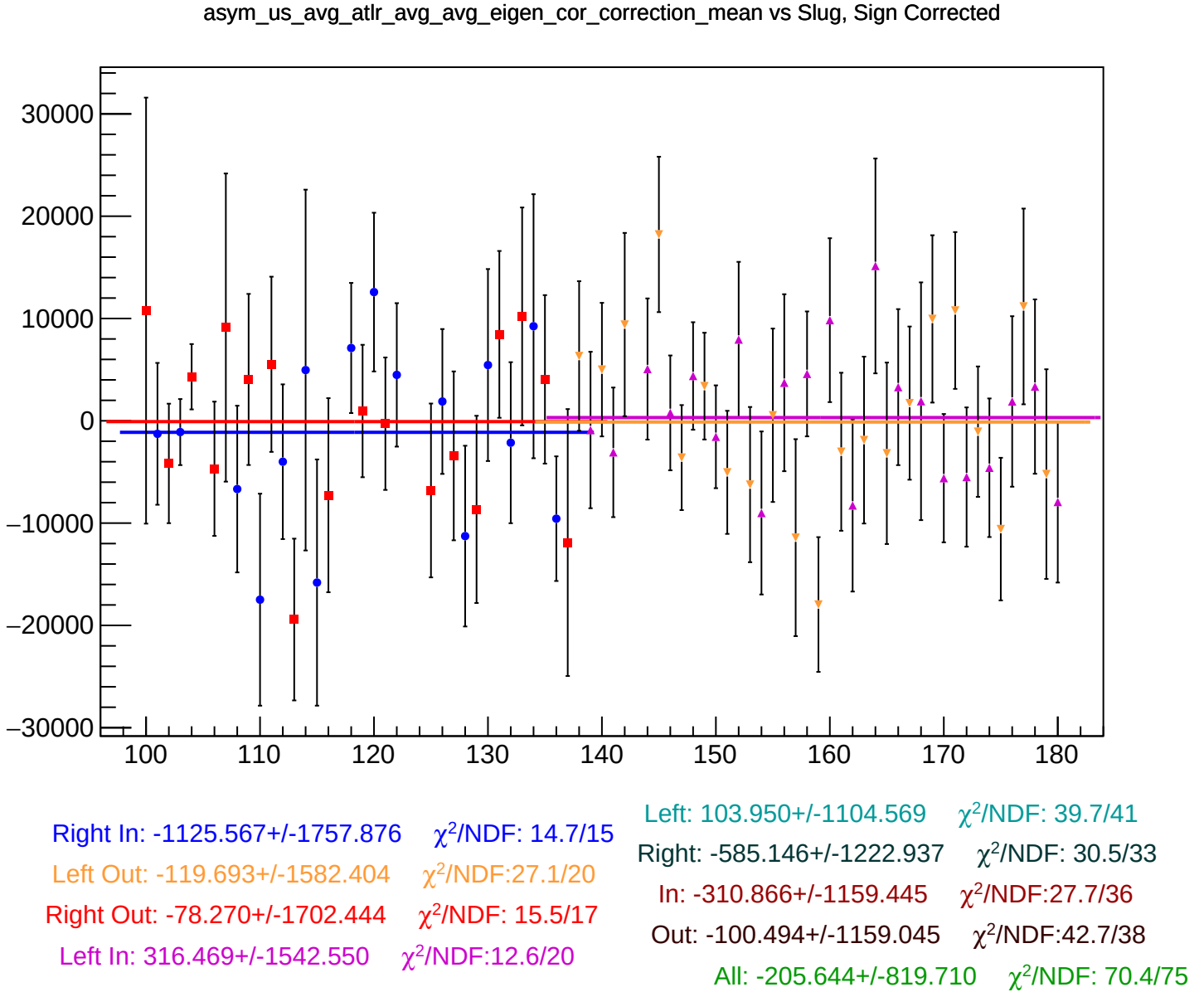
Left: 1808.914+/-0.220 χ^2/NDF: 34291.5/41

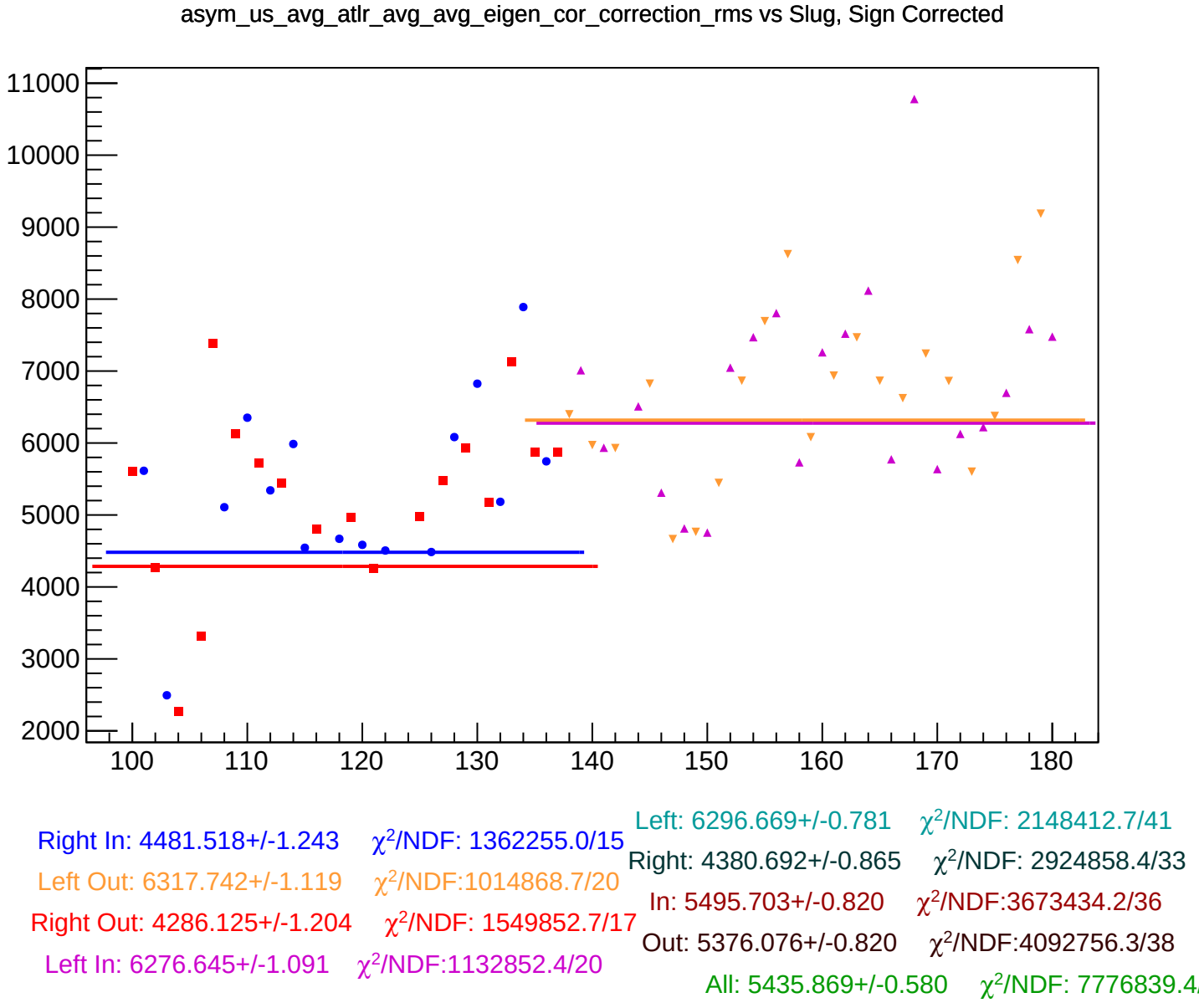
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

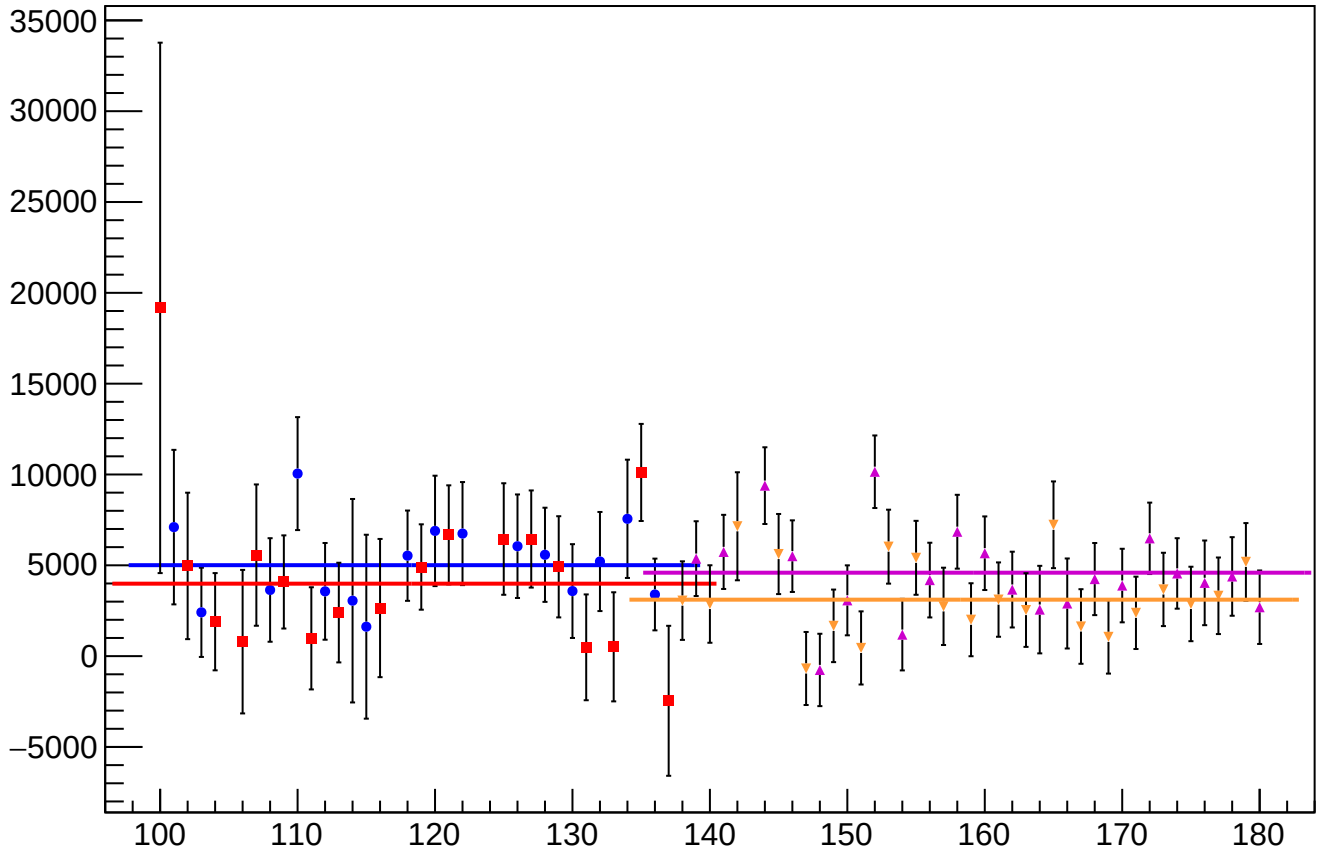
In: 1823.281+/-0.261 χ^2/NDF:316888.6/36

Out: 1821.401+/-0.264 χ^2/NDF:124703.0/38

All: 1822.351+/-0.186 χ^2/NDF: 441617.2/75


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -119.693+/-1582.404 χ²/NDF:27.1/20
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 316.469+/-1542.550 χ²/NDF:12.6/20
Left: 103.950+/-1104.569 χ²/NDF: 39.7/41
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -310.866+/-1159.445 χ²/NDF:27.7/36
Out: -100.494+/-1159.045 χ²/NDF:42.7/38
All: -205.644+/-819.710 χ²/NDF: 70.4/75


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6317.742+/-1.119 χ²/NDF:1014868.7/20
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6276.645+/-1.091 χ²/NDF:1132852.4/20
Left: 6296.669+/-0.781 χ²/NDF: 2148412.7/41
Right: 4380.692+/-0.865 χ²/NDF: 2924858.4/33
In: 5495.703+/-0.820 χ²/NDF:3673434.2/36
Out: 5376.076+/-0.820 χ²/NDF:4092756.3/38
All: 5435.869+/-0.580 χ²/NDF: 7776839.4/75



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.254+/-457.973 χ^2/NDF:18.4/20

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4592.899+/-449.964 χ^2/NDF:29.4/20

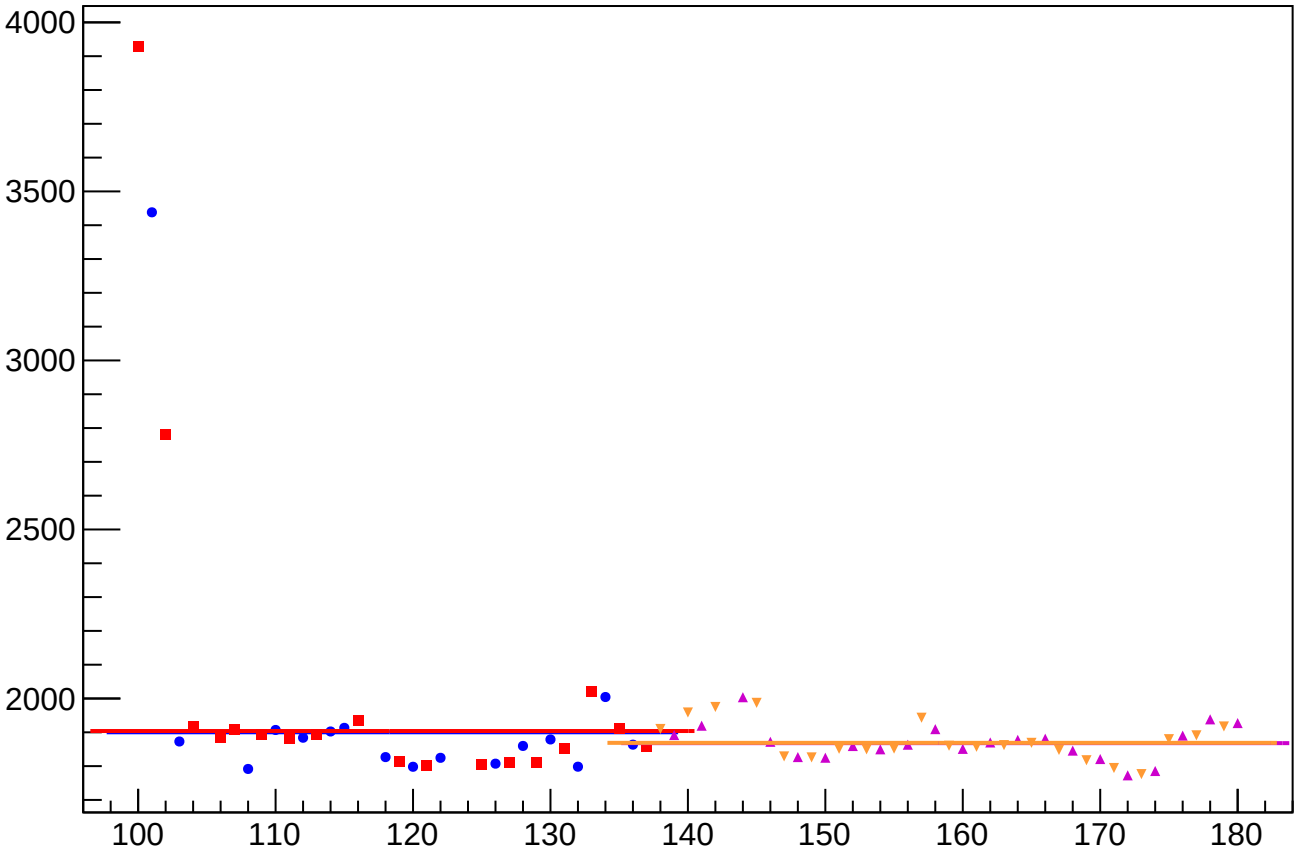
Left: 3863.671+/-320.967 χ^2/NDF: 53.1/41

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4710.686+/-380.685 χ^2/NDF:37.3/36

Out: 3362.497+/-386.274 χ^2/NDF:36.9/38

All: 4046.415+/-271.139 χ^2/NDF: 80.3/75



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1868.851+/-0.324 χ^2/NDF:27132.4/20

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1867.973+/-0.318 χ^2/NDF:26618.5/20

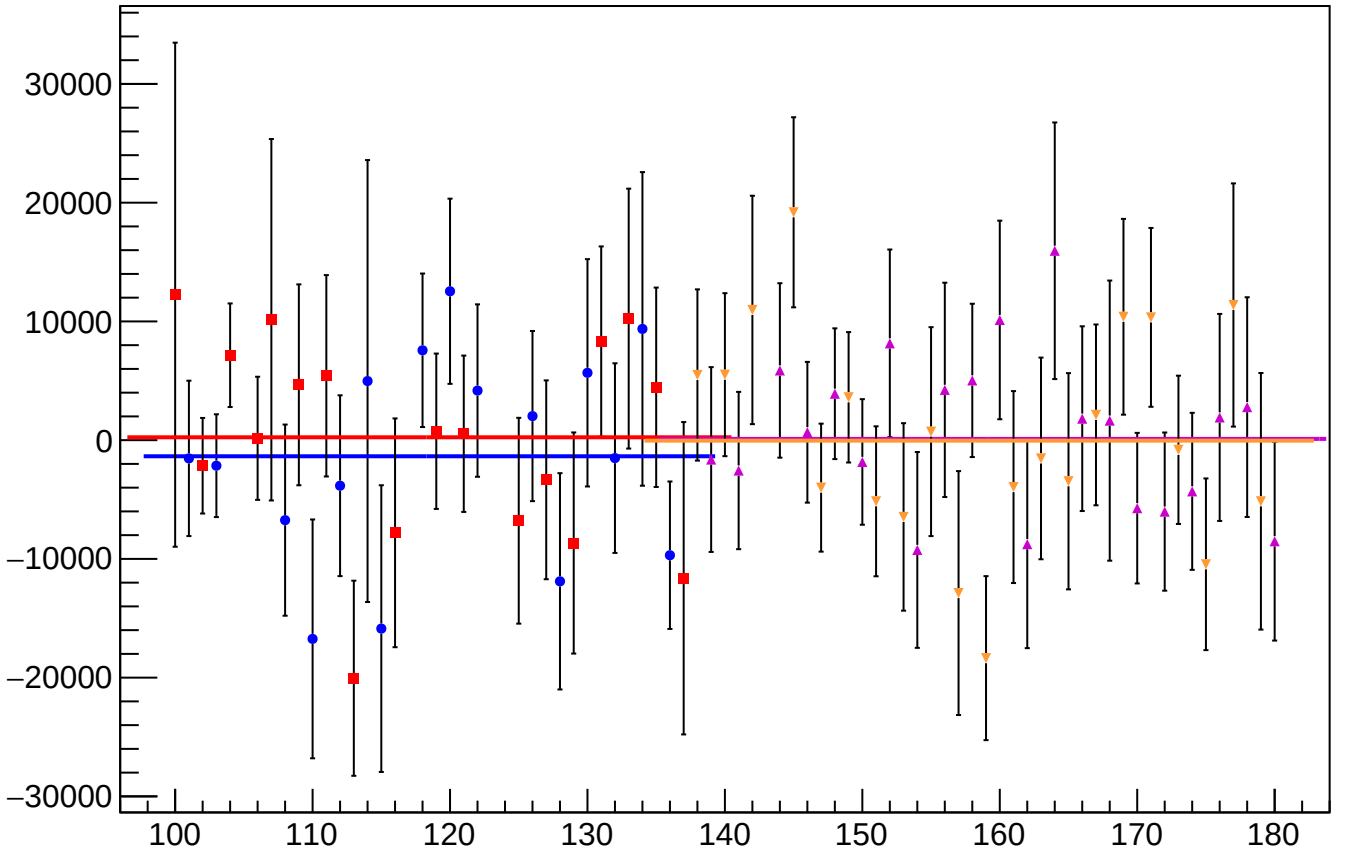
Left: 1868.404+/-0.227 χ^2/NDF: 53754.6/41

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1877.107+/-0.269 χ^2/NDF:307966.7/36

Out: 1878.961+/-0.273 χ^2/NDF:180620.1/38

All: 1878.021+/-0.192 χ^2/NDF: 488610.2/75



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -42.593+/-1638.101 χ^2/NDF:26.8/20

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 106.351+/-1599.125 χ^2/NDF:12.6/20

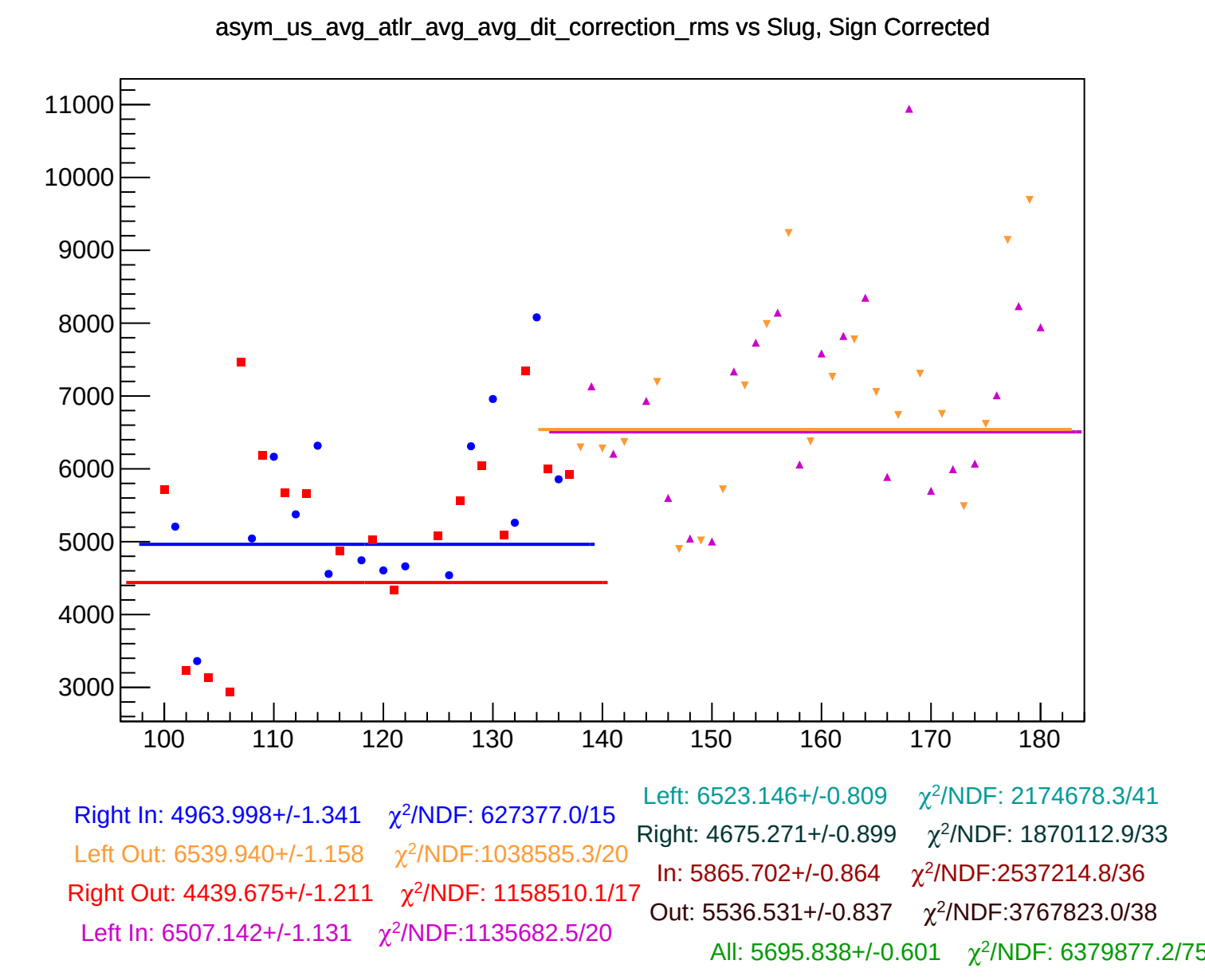
Left: 33.672+/-1144.283 χ^2/NDF: 39.3/41

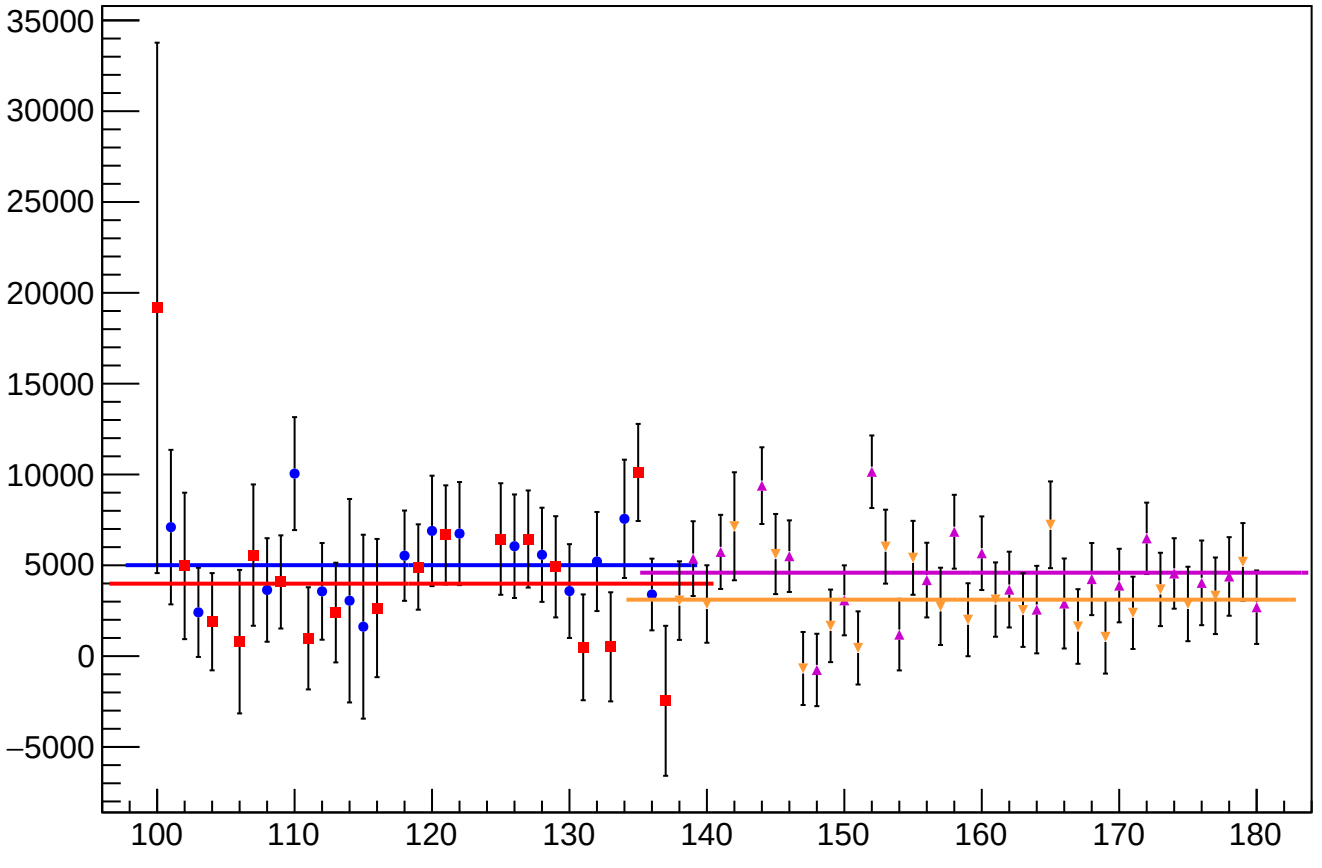
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -501.762+/-1222.393 χ^2/NDF:27.6/36

Out: 92.968+/-1183.800 χ^2/NDF:42.5/38

All: -194.860+/-850.390 χ^2/NDF: 70.3/75


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6539.940+/-1.158 χ²/NDF:1038585.3/20
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6507.142+/-1.131 χ²/NDF:1135682.5/20
Left: 6523.146+/-0.809 χ²/NDF: 2174678.3/41
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5865.702+/-0.864 χ²/NDF:2537214.8/36
Out: 5536.531+/-0.837 χ²/NDF:3767823.0/38
All: 5695.838+/-0.601 χ²/NDF: 6379877.2/75



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.247+/-457.973 χ^2/NDF:18.4/20

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4592.901+/-449.964 χ^2/NDF:29.4/20

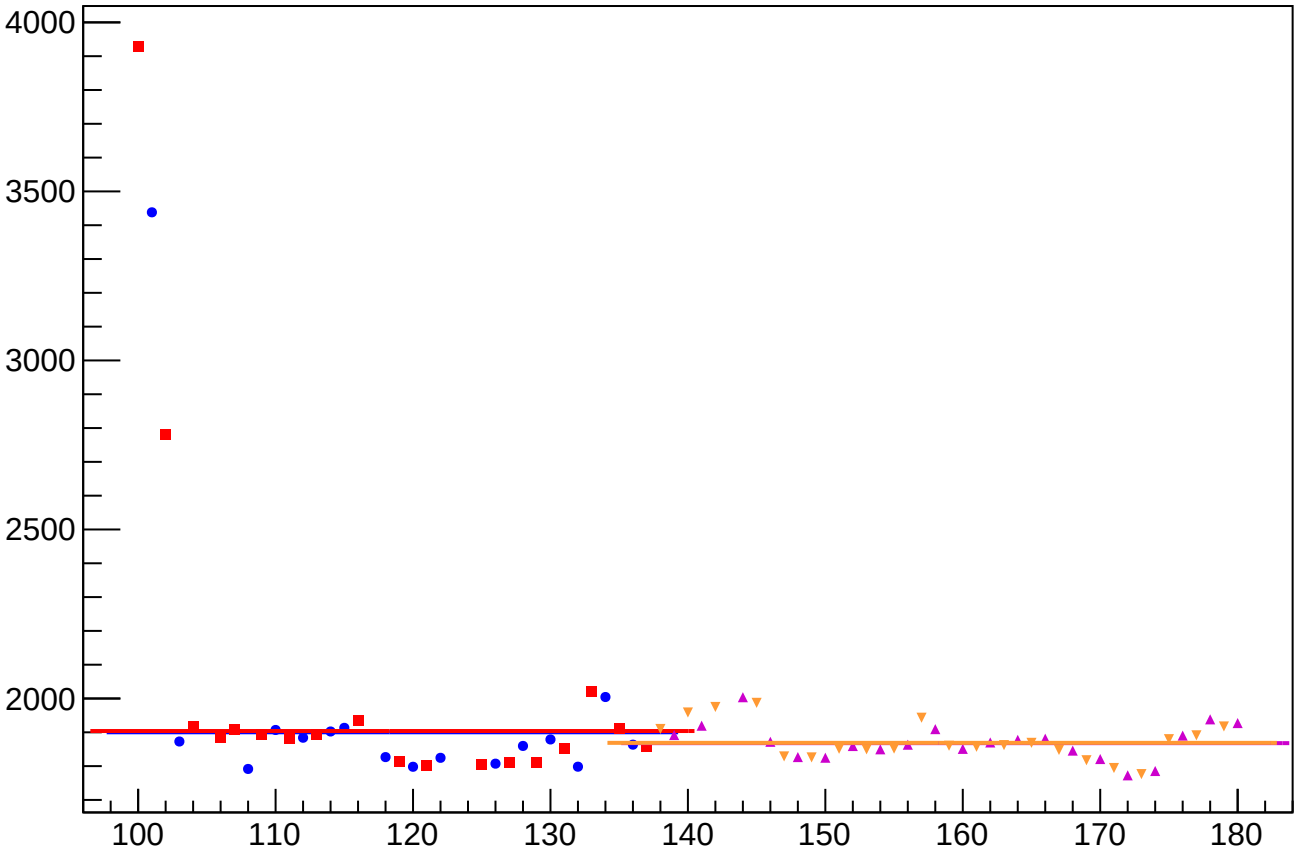
Left: 3863.669+/-320.967 χ^2/NDF: 53.1/41

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4710.687+/-380.685 χ^2/NDF:37.3/36

Out: 3362.493+/-386.274 χ^2/NDF:36.9/38

All: 4046.413+/-271.140 χ^2/NDF: 80.3/75



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1868.852+/-0.324 χ^2/NDF:27133.5/20

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1867.974+/-0.318 χ^2/NDF:26619.7/20

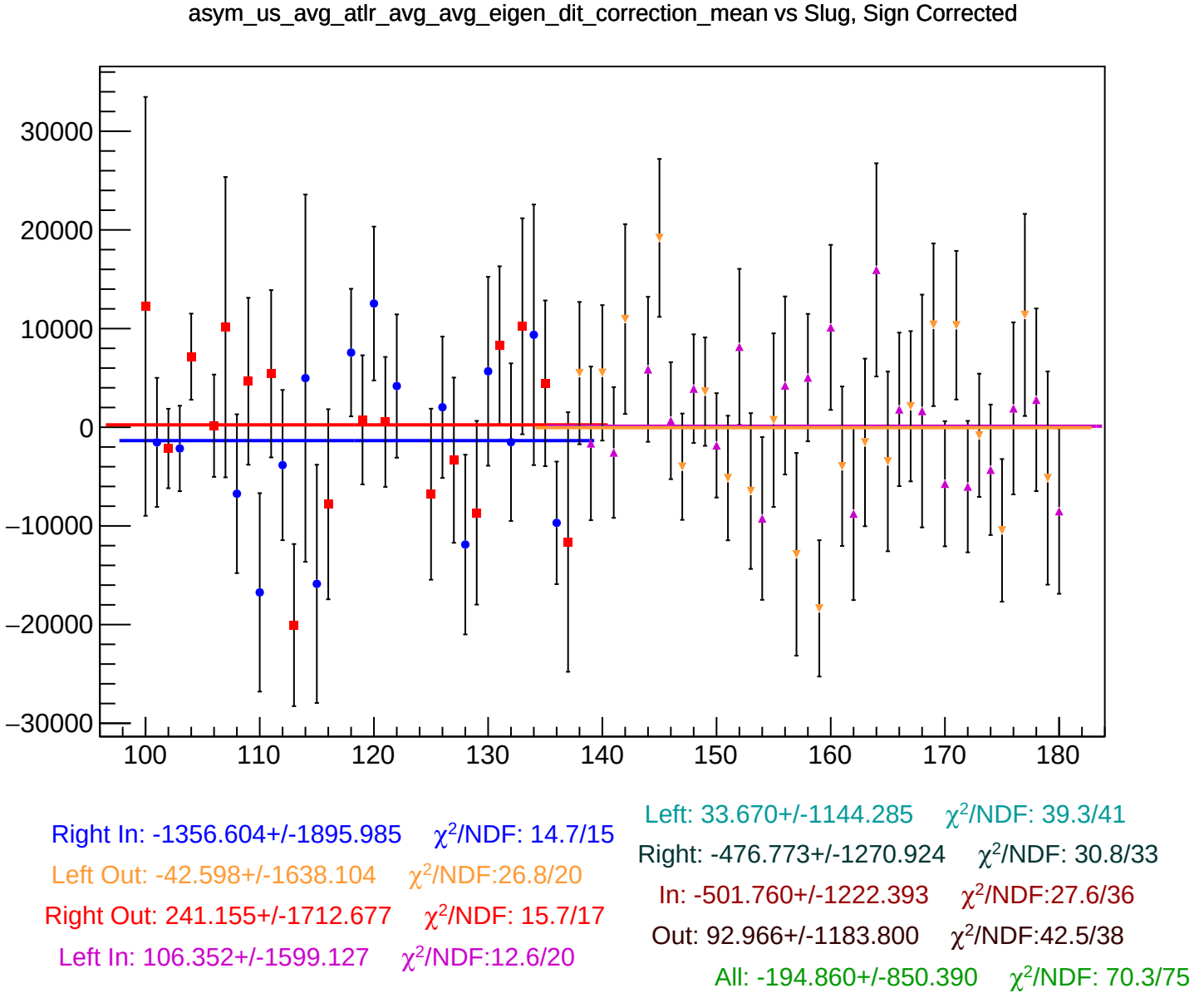
Left: 1868.405+/-0.227 χ^2/NDF: 53756.9/41

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1877.108+/-0.269 χ^2/NDF:307967.8/36

Out: 1878.961+/-0.273 χ^2/NDF:180620.0/38

All: 1878.022+/-0.192 χ^2/NDF: 488611.2/75


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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0
−10000
−20000
−30000
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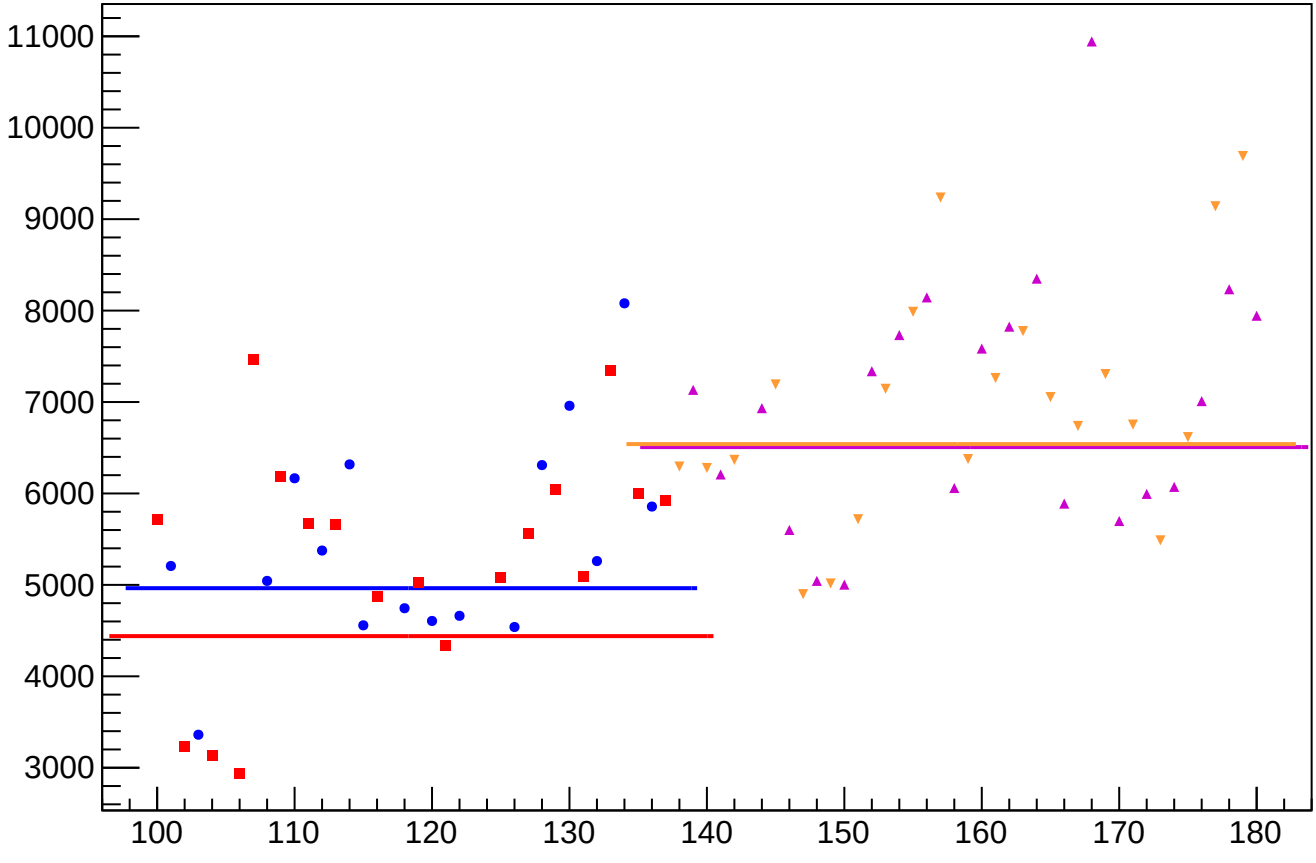
110
120
130
140
150
160
170
180
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -42.598+/-1638.104 χ²/NDF:26.8/20
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 106.352+/-1599.127 χ²/NDF:12.6/20
Left: 33.670+/-1144.285 χ²/NDF: 39.3/41
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -501.760+/-1222.393 χ²/NDF:27.6/36
Out: 92.966+/-1183.800 χ²/NDF:42.5/38
All: -194.860+/-850.390 χ²/NDF: 70.3/75

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: 6539.951+/-1.158 χ^2/NDF:1038587.8/20

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6507.153+/-1.131 χ^2/NDF:1135685.1/20

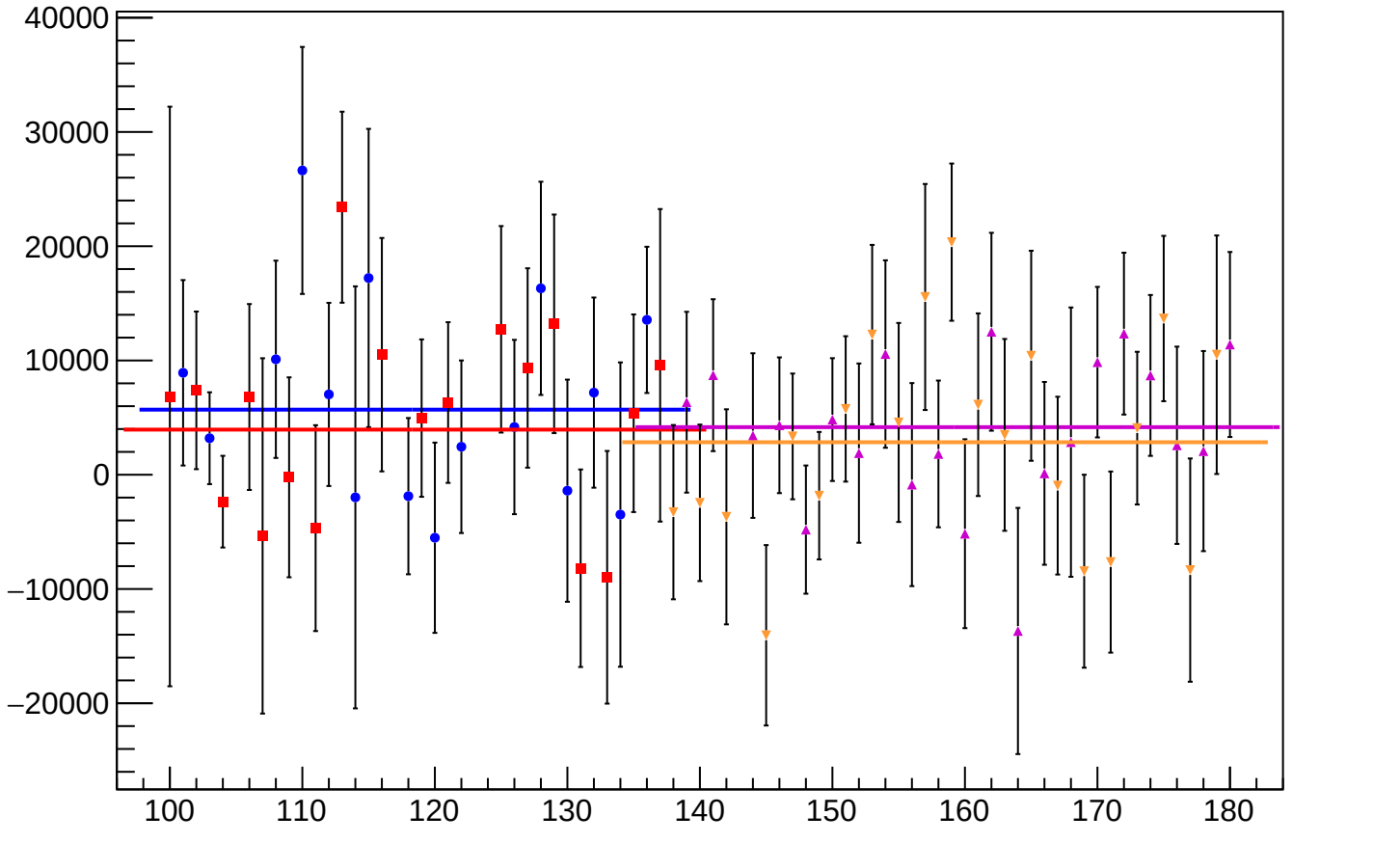
Left: 6523.157+/-0.809 χ^2/NDF: 2174683.5/41

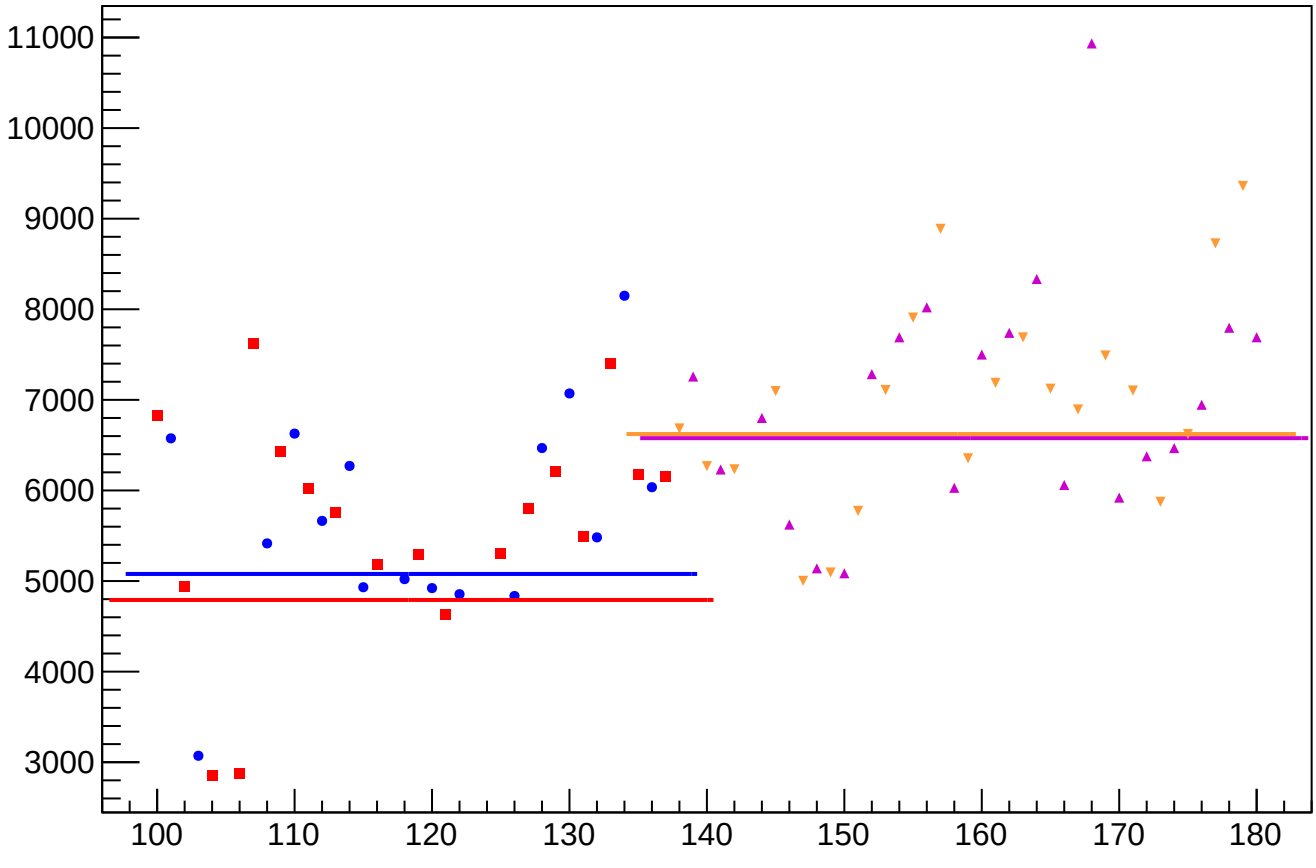
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5865.699+/-0.864 χ^2/NDF:2537244.9/36

Out: 5536.527+/-0.837 χ^2/NDF:3767860.0/38

All: 5695.835+/-0.601 χ^2/NDF: 6379945.1/75


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
180
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 2845.533+/-1653.544 χ²/NDF:25.6/20
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 4164.282+/-1611.871 χ²/NDF:12.9/20
Left: 3521.735+/-1154.217 χ²/NDF: 38.8/41
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4783.046+/-1244.751 χ²/NDF:25.9/36
Out: 3315.447+/-1253.098 χ²/NDF:41.9/38
All: 4054.151+/-883.108 χ²/NDF: 68.5/75



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6622.927+/-1.169 χ^2/NDF:869044.9/20

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6577.289+/-1.140 χ^2/NDF:977481.2/20

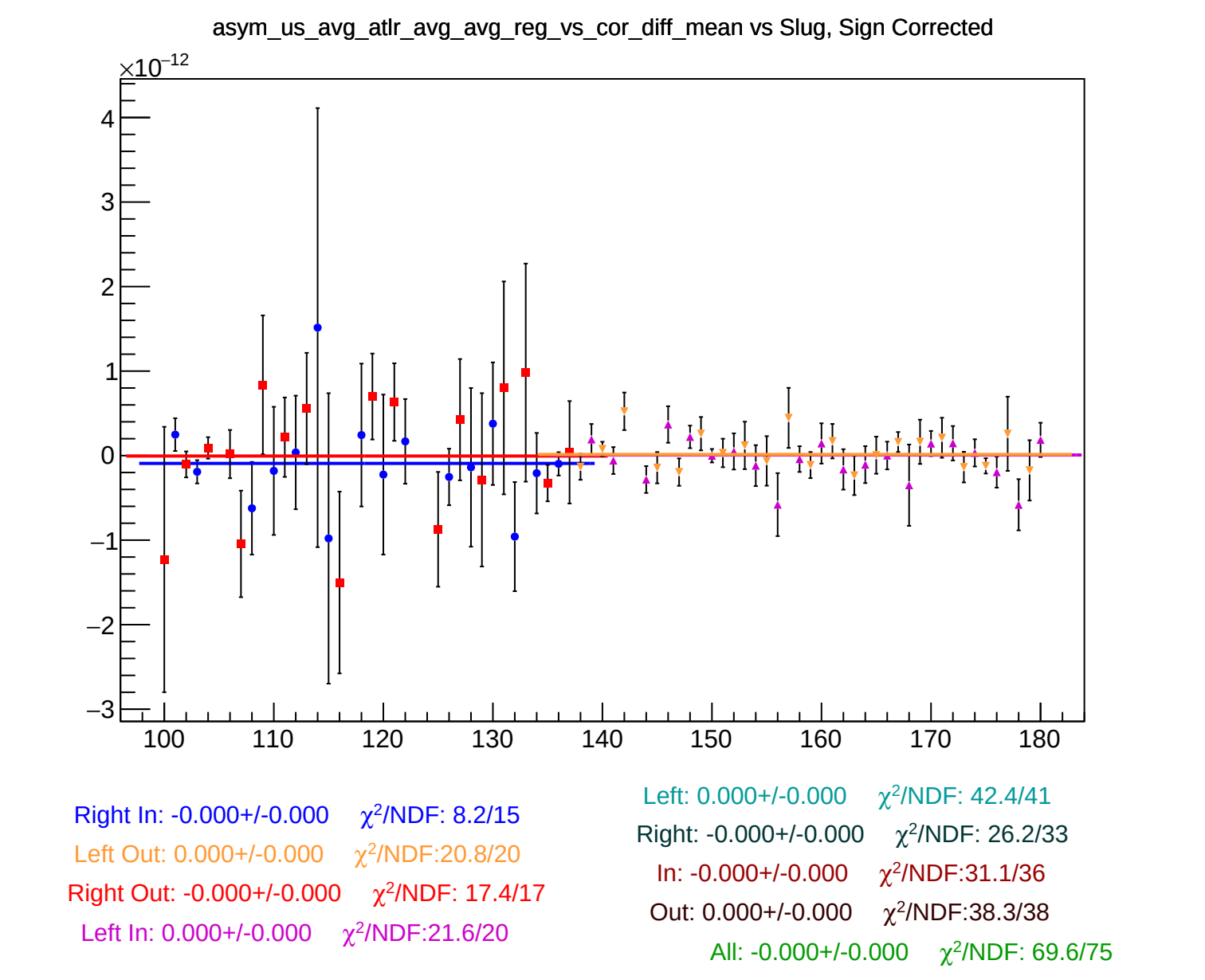
Left: 6599.525+/-0.816 χ^2/NDF: 1847307.3/41

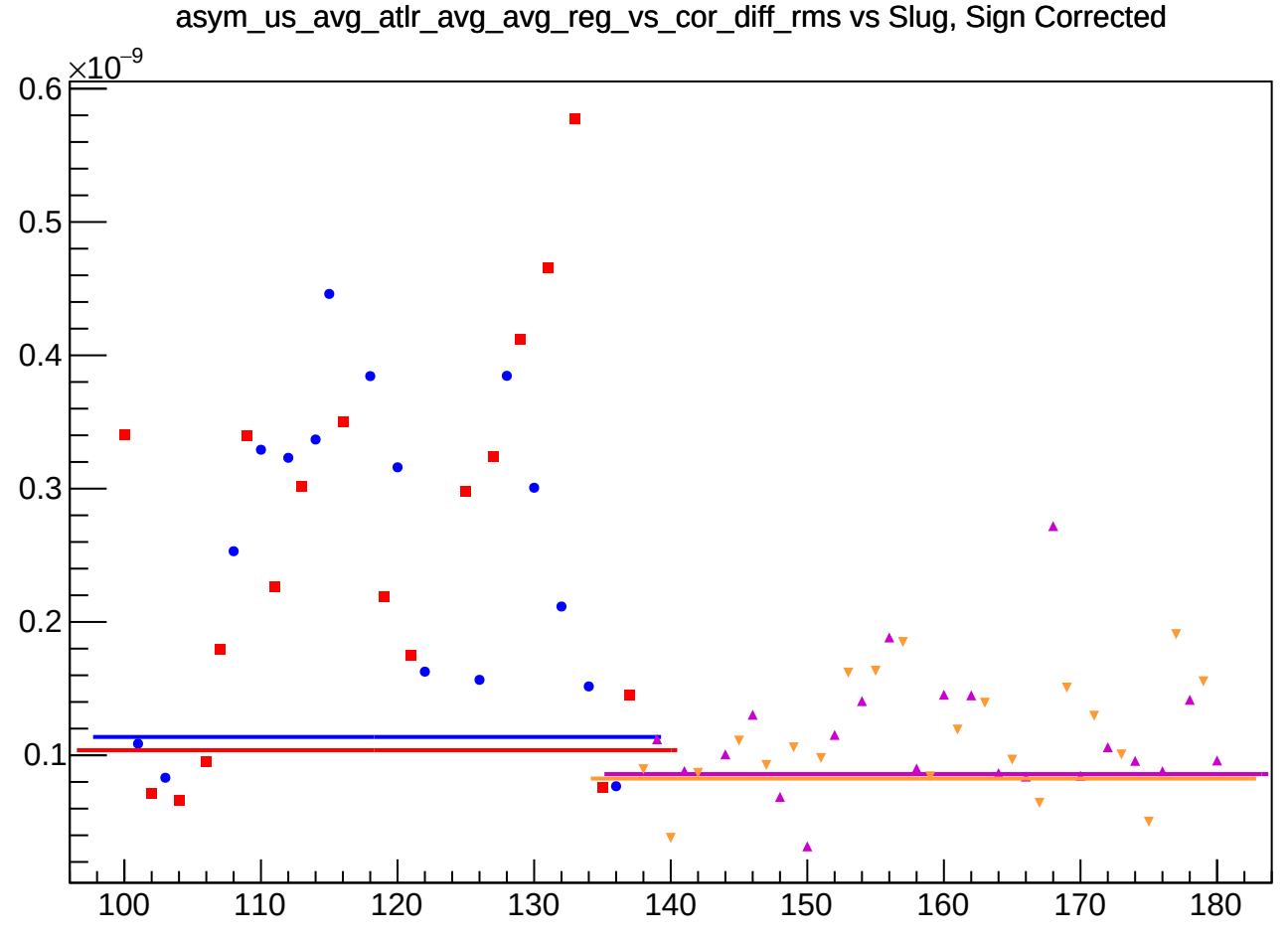
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5972.158+/-0.880 χ^2/NDF:2595017.1/36

Out: 5824.864+/-0.878 χ^2/NDF:3100818.4/38

All: 5898.358+/-0.622 χ^2/NDF: 5709867.1/75


asym_us_avg_atlr_avg_avg_reg_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
180
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:20.8/20
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:21.6/20
Left: 0.000+/-0.000 χ²/NDF: 42.4/41
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:31.1/36
Out: 0.000+/-0.000 χ²/NDF:38.3/38
All: -0.000+/-0.000 χ²/NDF: 69.6/75



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2057884.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2036892.6/20

Left: 0.000+/-0.000 χ^2/NDF: 4102981.6/41

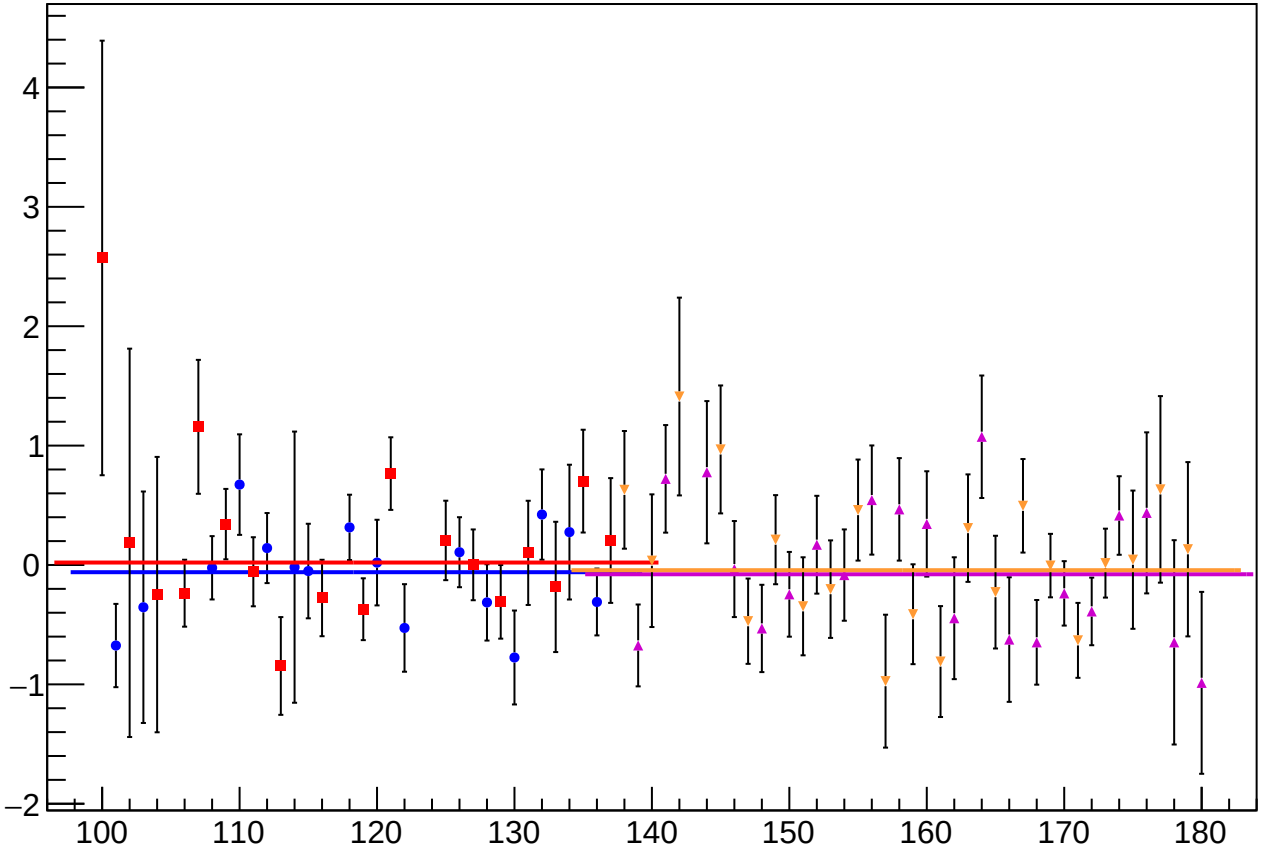
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3768600.7/36

Out: 0.000+/-0.000 χ^2/NDF:4269224.0/38

All: 0.000+/-0.000 χ^2/NDF: 8057419.9/75

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: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.078+/-0.089 χ^2/NDF:30.2/20

Left: -0.061+/-0.064 χ^2/NDF: 56.2/41

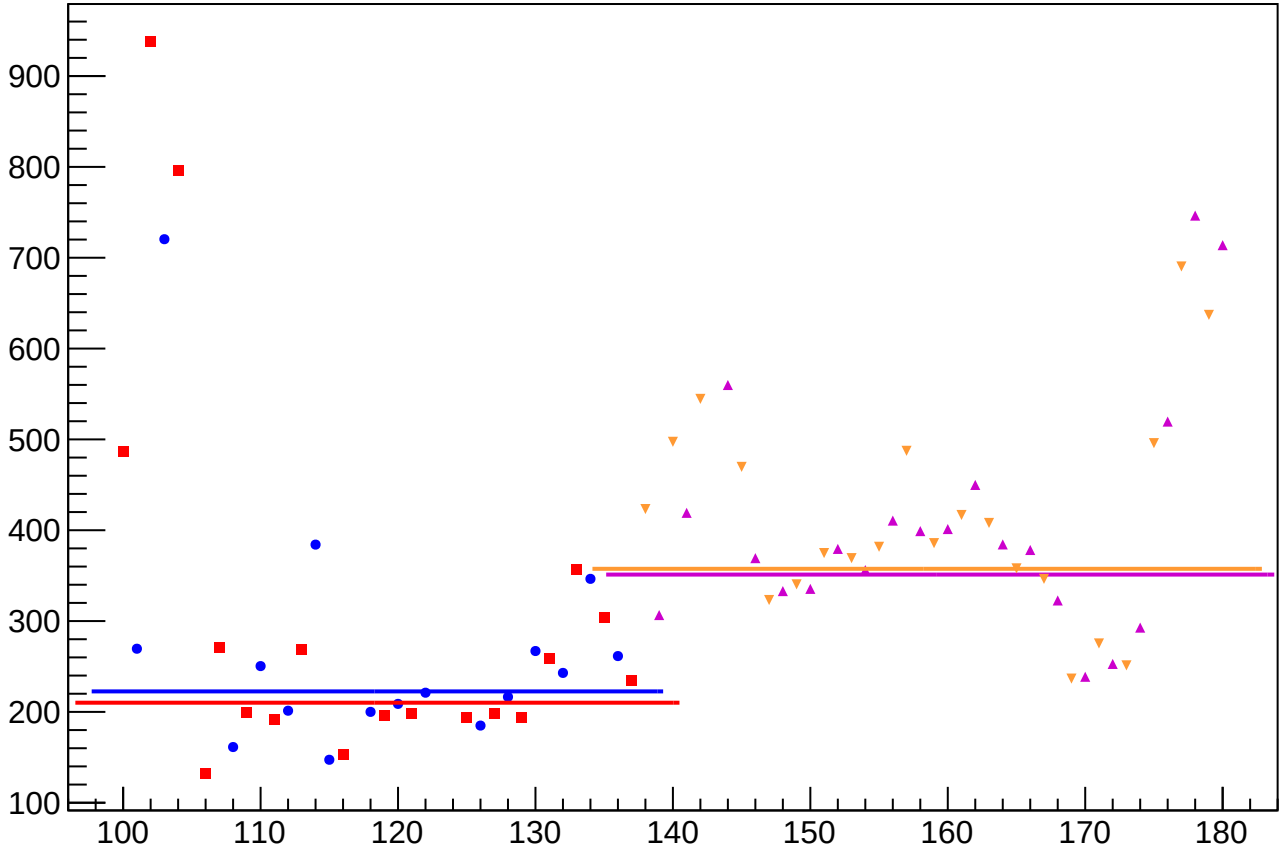
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.069+/-0.063 χ^2/NDF:47.6/36

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.040+/-0.045 χ^2/NDF: 100.3/75

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: 357.533+/-0.065 χ^2/NDF:2155831.2/20

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

Left: 354.241+/-0.045 χ^2/NDF: 4350616.6/41

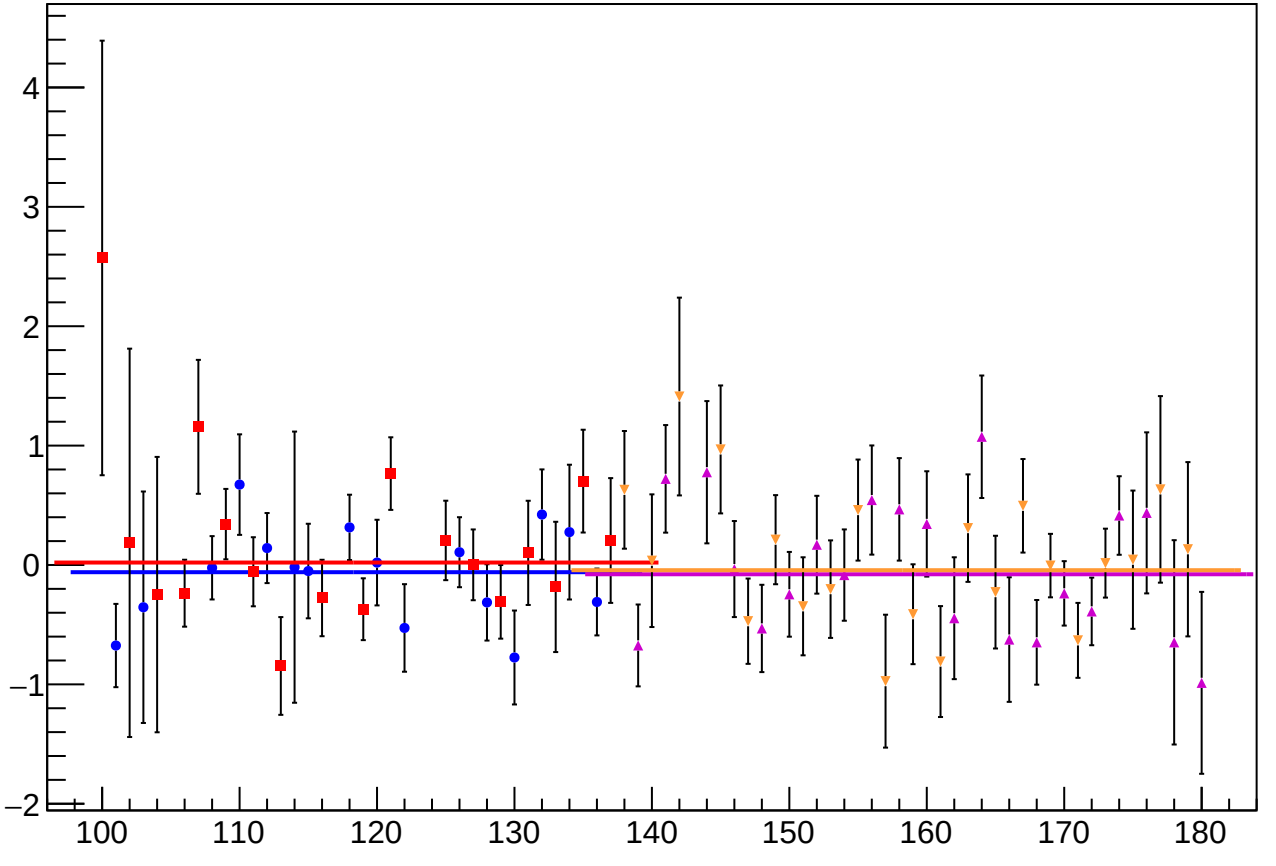
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 286.559+/-0.044 χ^2/NDF:5302723.3/36

Out: 279.756+/-0.045 χ^2/NDF:6390071.3/38

All: 283.193+/-0.032 χ^2/NDF: 11704390.7/75

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: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.078+/-0.089 χ^2/NDF:30.2/20

Left: -0.061+/-0.064 χ^2/NDF: 56.2/41

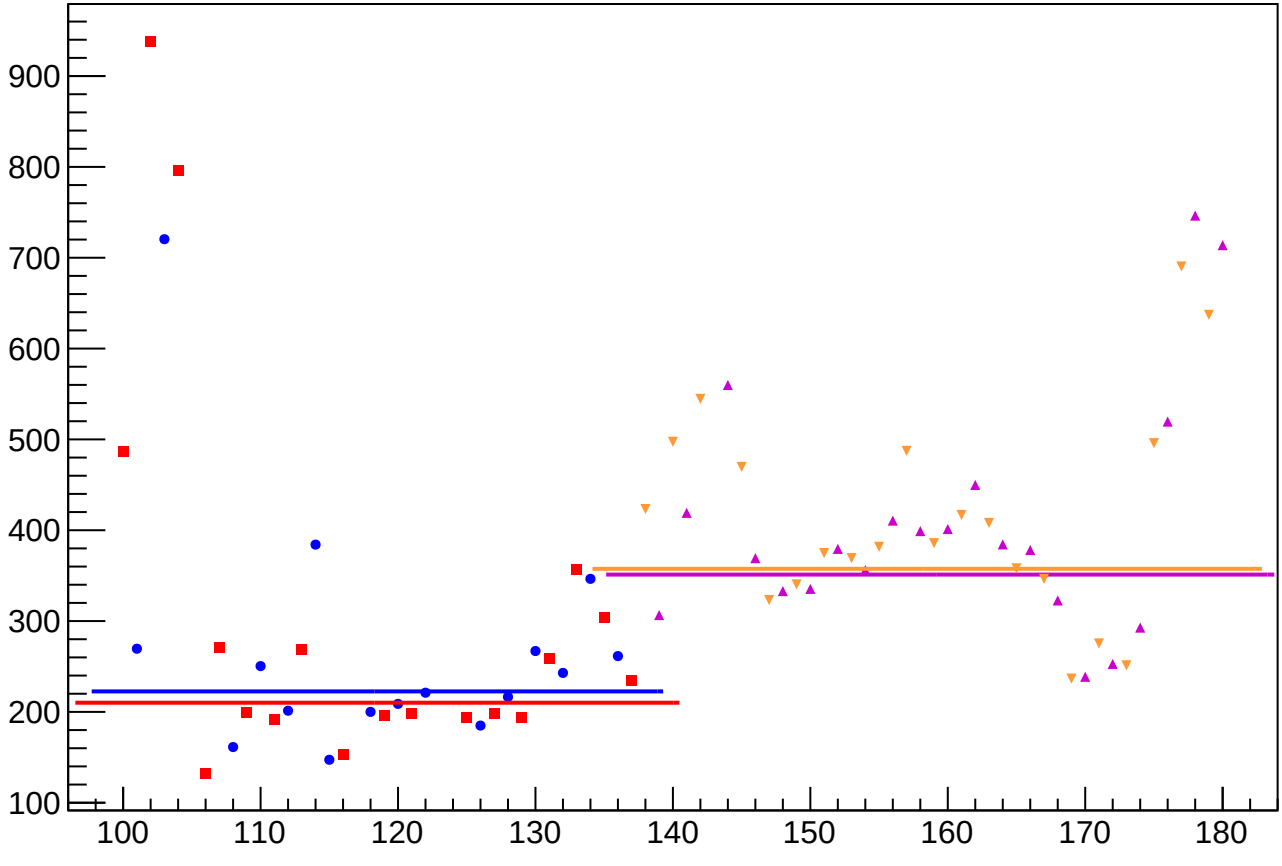
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.069+/-0.063 χ^2/NDF:47.6/36

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.040+/-0.045 χ^2/NDF: 100.3/75

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: 357.533+/-0.065 χ^2/NDF:2155831.2/20

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 351.180+/-0.063 χ^2/NDF:2189885.8/20

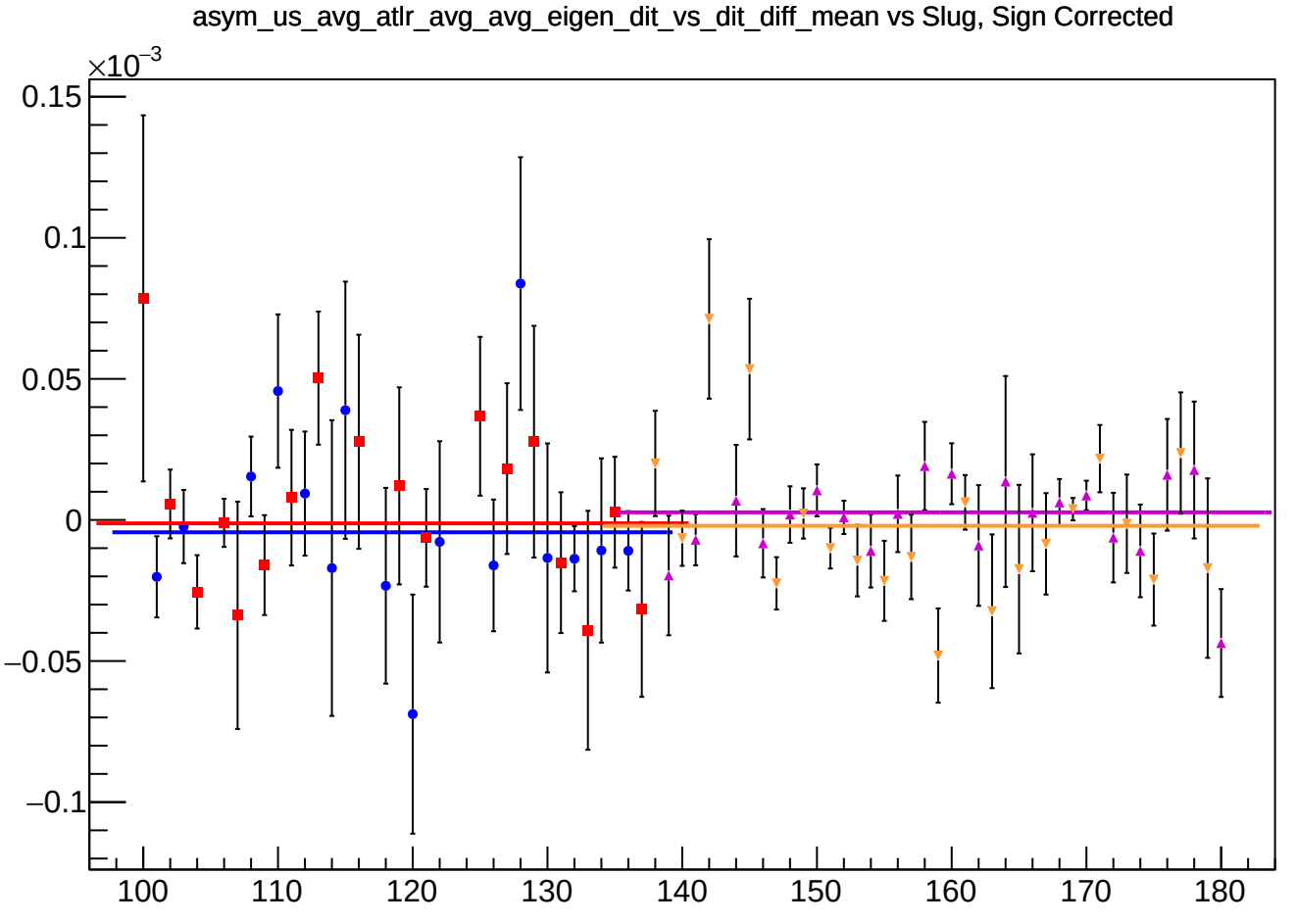
Left: 354.241+/-0.045 χ^2/NDF: 4350616.6/41

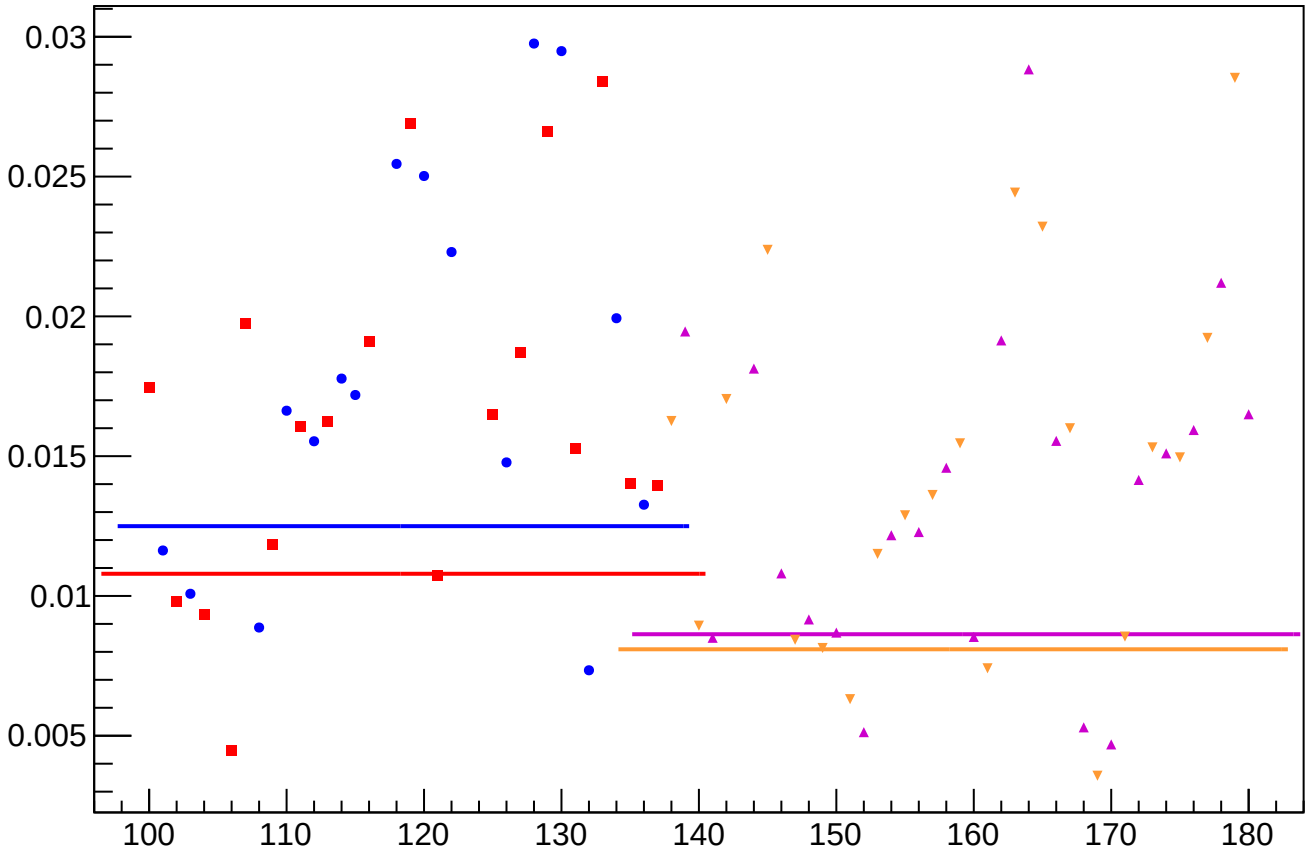
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 286.559+/-0.044 χ^2/NDF:5302723.3/36

Out: 279.756+/-0.045 χ^2/NDF:6390071.3/38

All: 283.193+/-0.032 χ^2/NDF: 11704390.7/75


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:42.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:17.4/20
Left: 0.000+/-0.000 χ²/NDF: 61.4/41
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: 0.000+/-0.000 χ²/NDF:34.6/36
Out: -0.000+/-0.000 χ²/NDF:59.4/38
All: -0.000+/-0.000 χ²/NDF: 95.1/75



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8690959.1/20

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6791354.0/20

Left: 0.008+/-0.000 χ^2/NDF: 15532375.9/41

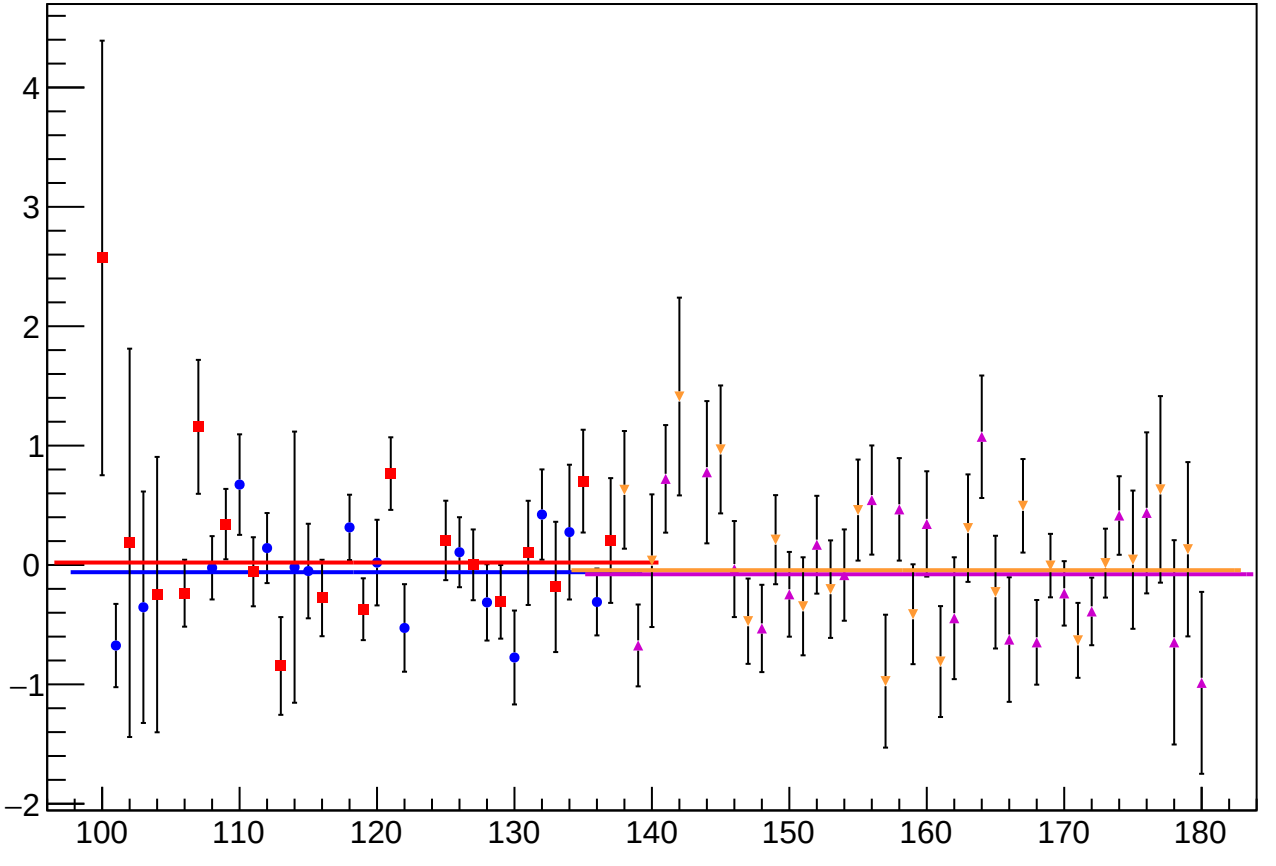
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9846856.4/36

Out: 0.009+/-0.000 χ^2/NDF:12224684.3/38

All: 0.009+/-0.000 χ^2/NDF: 22171646.0/75

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: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.078+/-0.089 χ^2/NDF:30.2/20

Left: -0.061+/-0.064 χ^2/NDF: 56.2/41

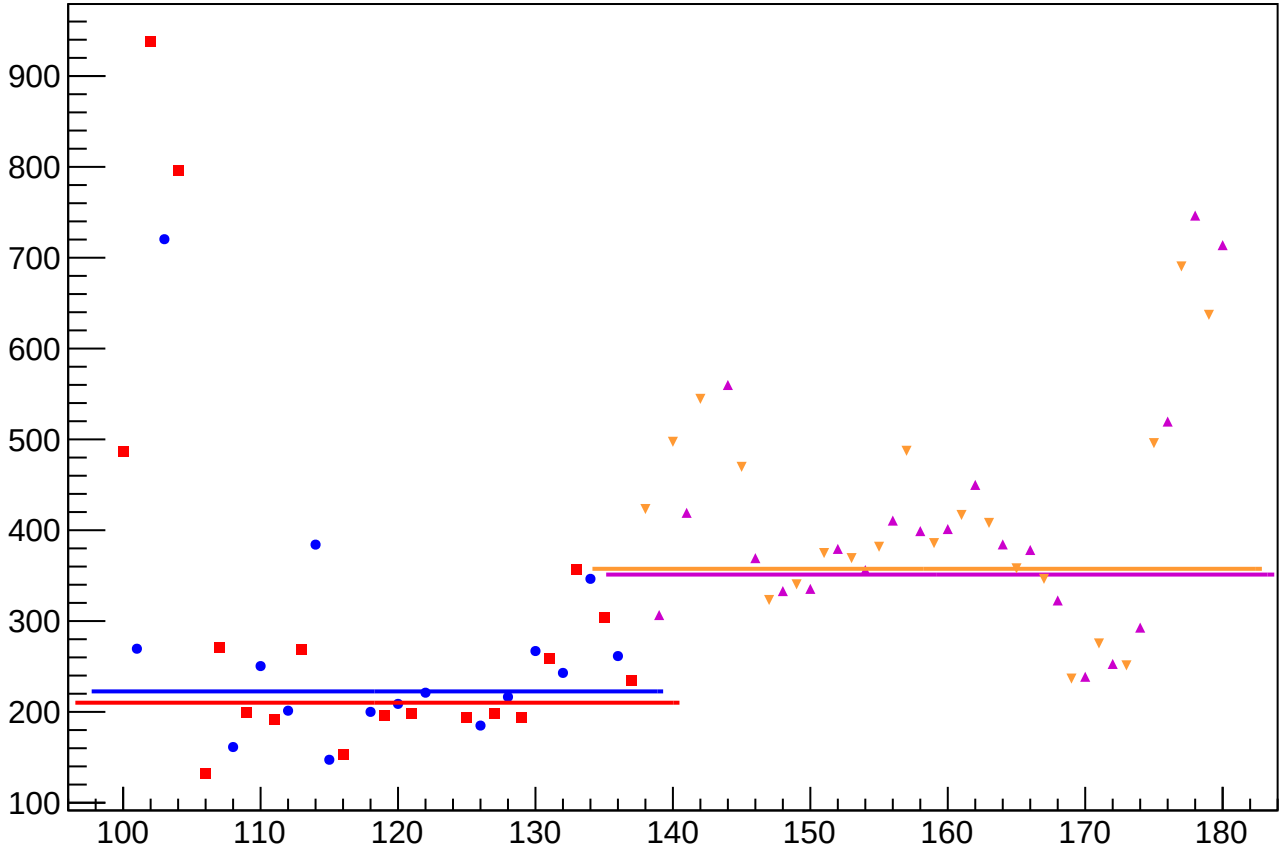
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.069+/-0.063 χ^2/NDF:47.6/36

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.040+/-0.045 χ^2/NDF: 100.3/75

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: 357.533+/-0.065 χ^2/NDF:2156039.9/20

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 351.181+/-0.063 χ^2/NDF:2190047.9/20

Left: 354.241+/-0.045 χ^2/NDF: 4350985.3/41

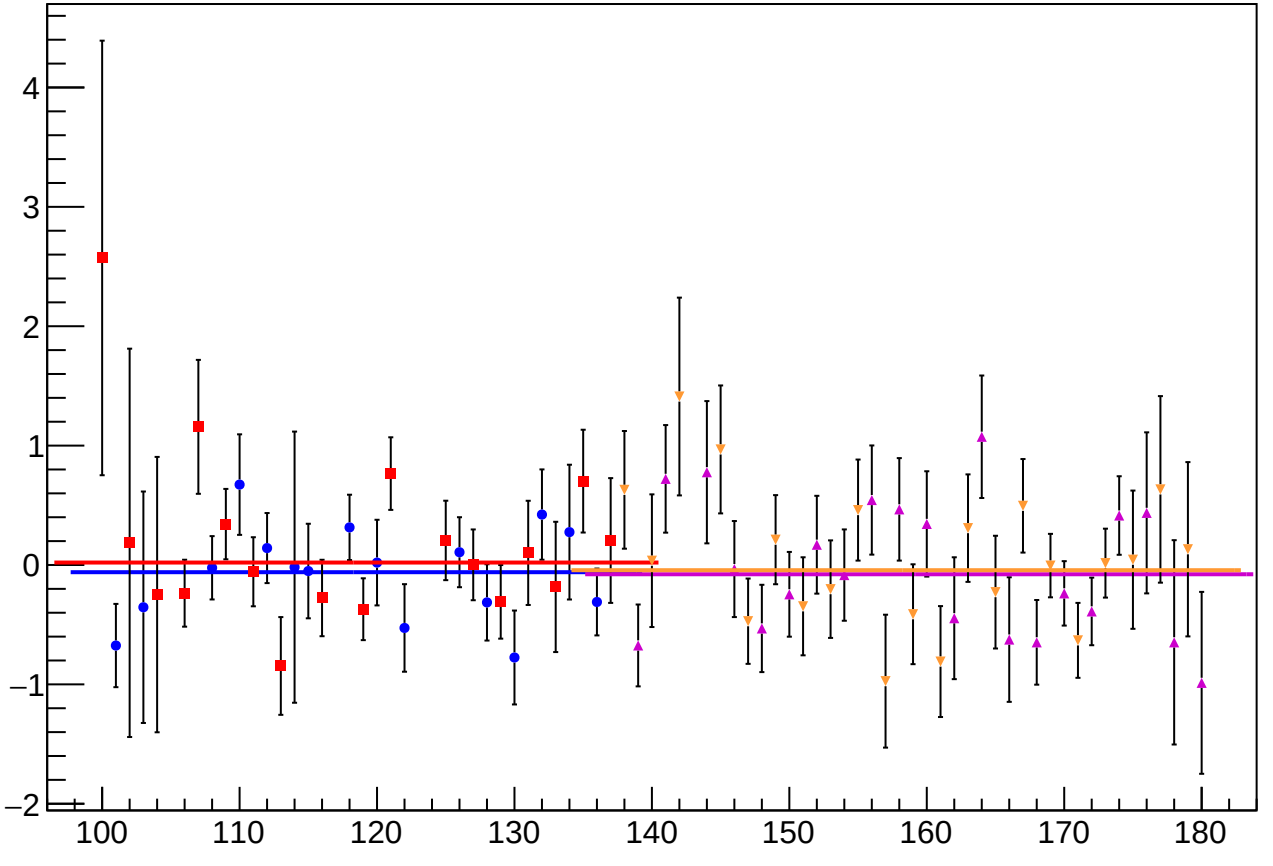
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 286.558+/-0.044 χ^2/NDF:5302978.2/36

Out: 279.754+/-0.045 χ^2/NDF:6390382.6/38

All: 283.192+/-0.032 χ^2/NDF: 11704961.7/75

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: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.078+/-0.089 χ^2/NDF:30.2/20

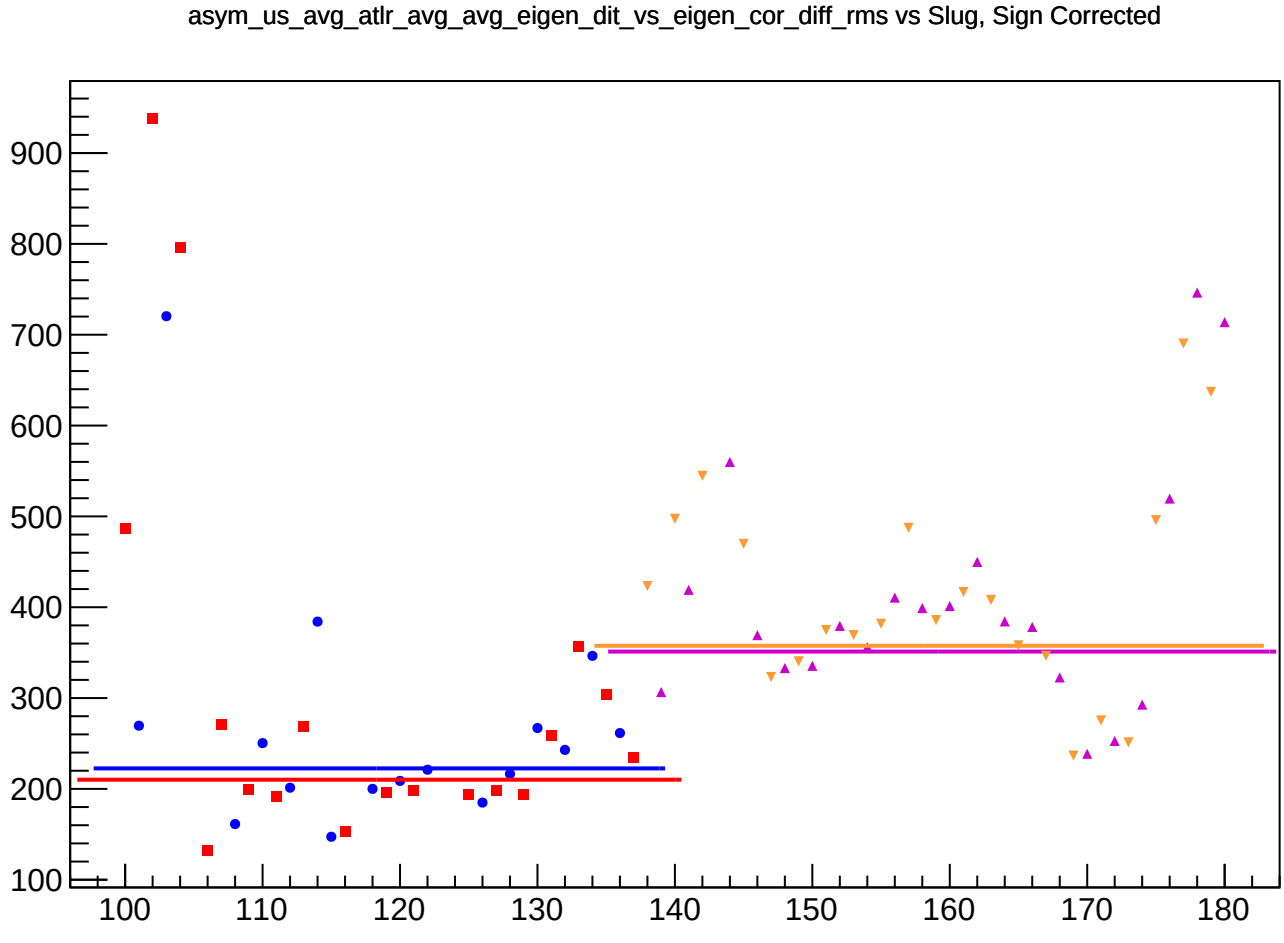
Left: -0.061+/-0.064 χ^2/NDF: 56.2/41

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.069+/-0.063 χ^2/NDF:47.6/36

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.040+/-0.045 χ^2/NDF: 100.3/75



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 351.181+/-0.063 χ^2/NDF:2190047.9/20

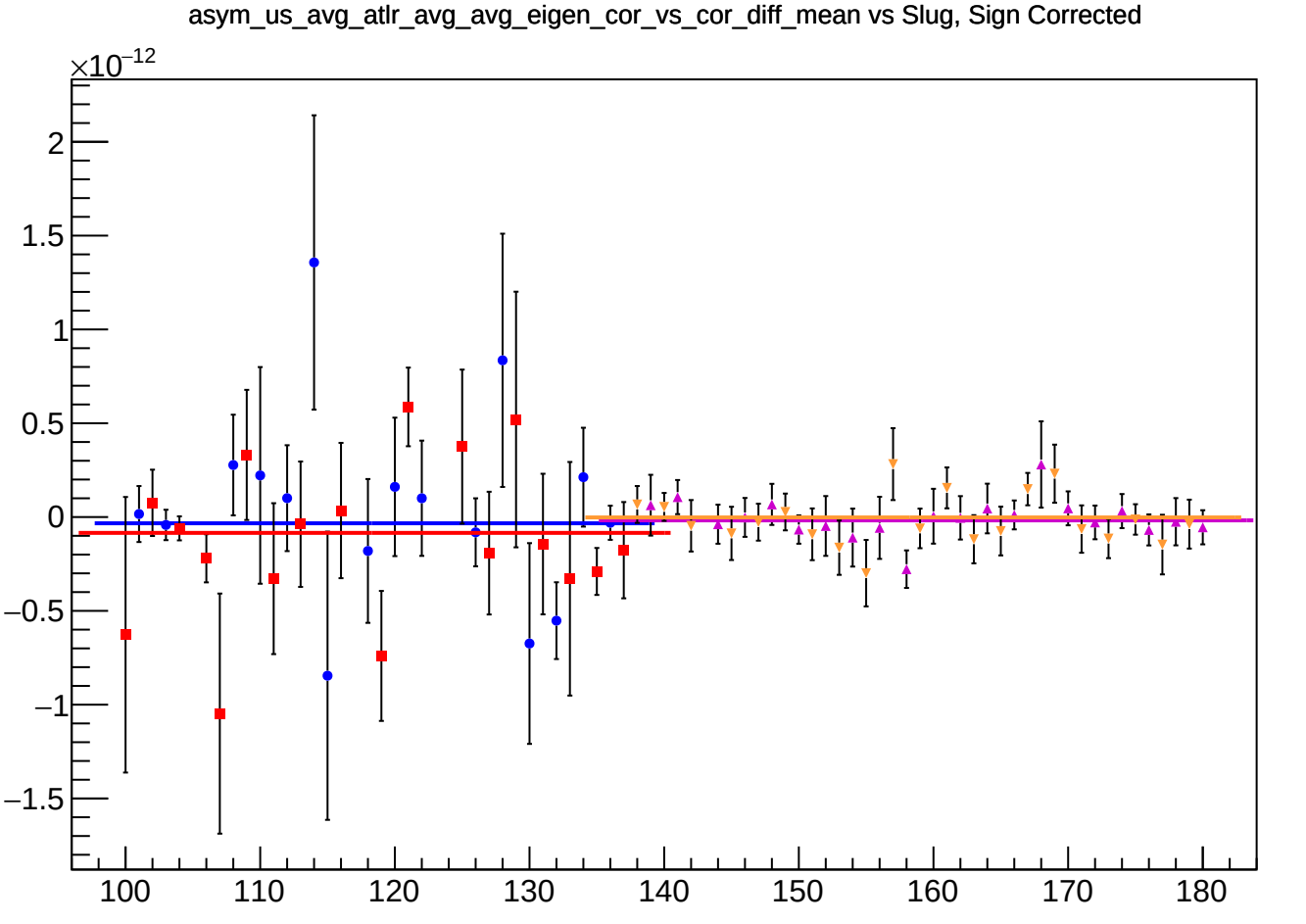
Left: 354.241+/-0.045 χ^2/NDF: 4350985.3/41

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 286.558+/-0.044 χ^2/NDF:5302978.2/36

Out: 279.754+/-0.045 χ^2/NDF:6390382.6/38

All: 283.192+/-0.032 χ^2/NDF: 11704961.7/75



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/20

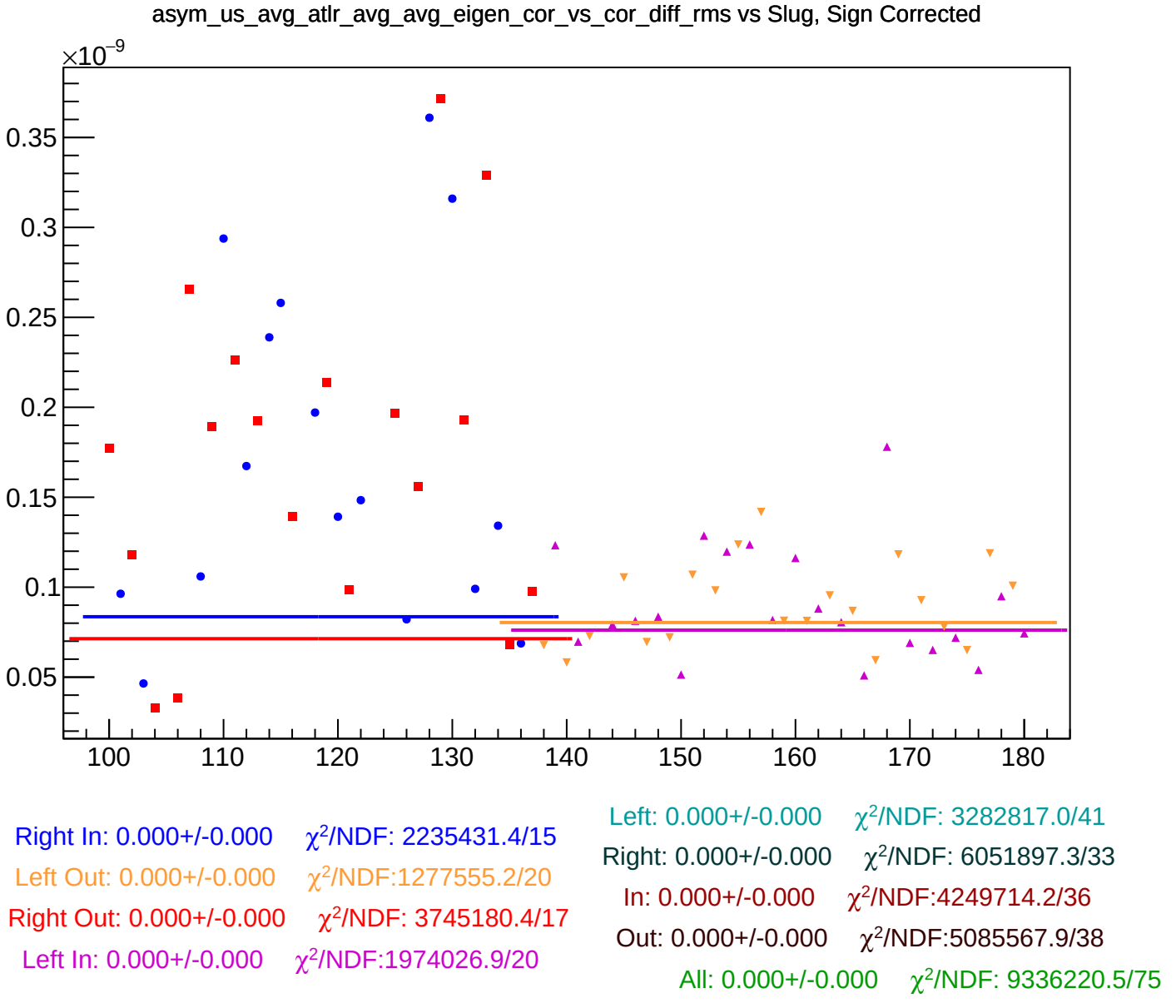
Left: -0.000+/-0.000 χ^2/NDF: 33.6/41

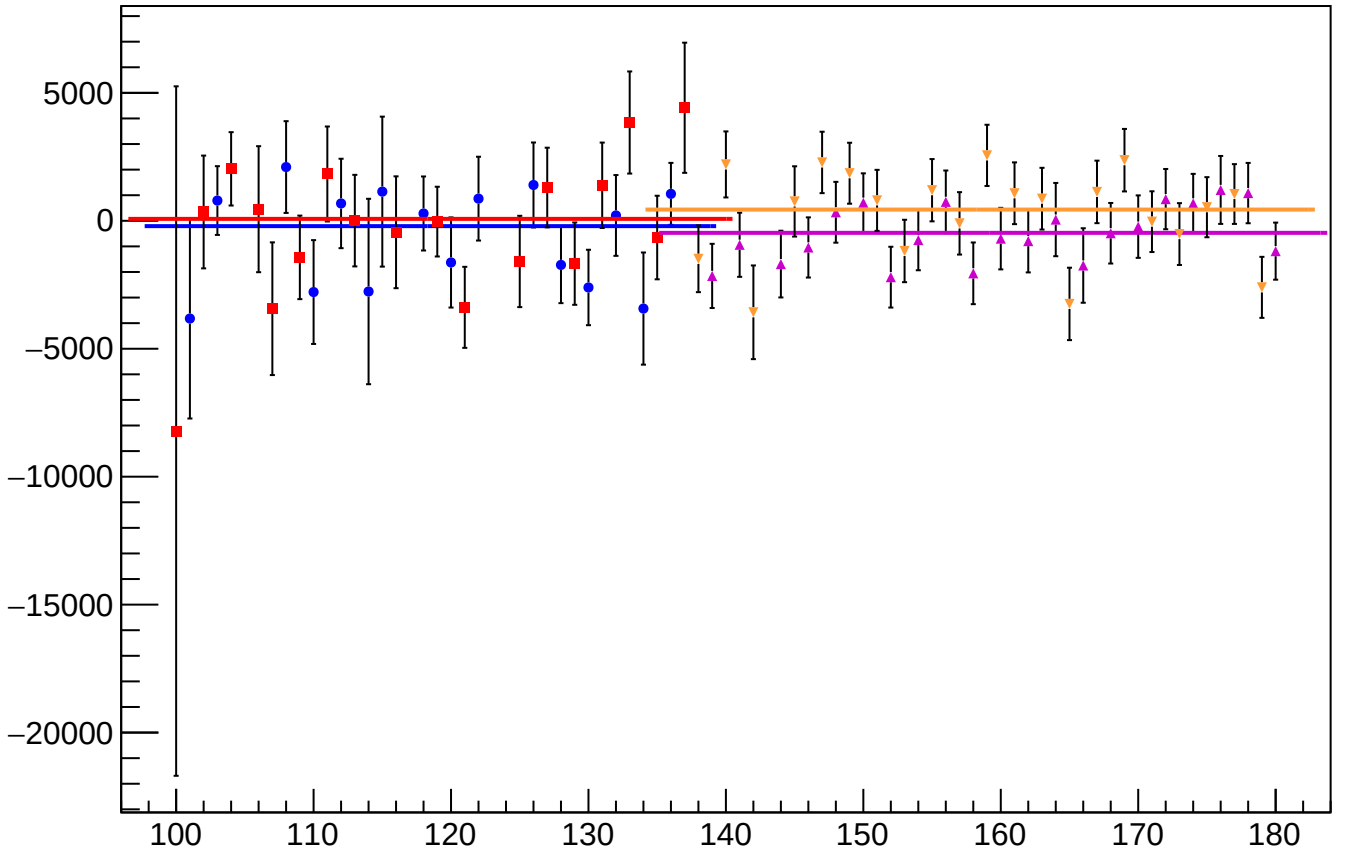
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:31.2/36

Out: -0.000+/-0.000 χ^2/NDF:48.0/38

All: -0.000+/-0.000 χ^2/NDF: 79.2/75


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1277555.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1974026.9/20
Left: 0.000+/-0.000 χ²/NDF: 3282817.0/41
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4249714.2/36
Out: 0.000+/-0.000 χ²/NDF:5085567.9/38
All: 0.000+/-0.000 χ²/NDF: 9336220.5/75



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.095+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -470.491+/-266.323 χ^2/NDF:16.5/20

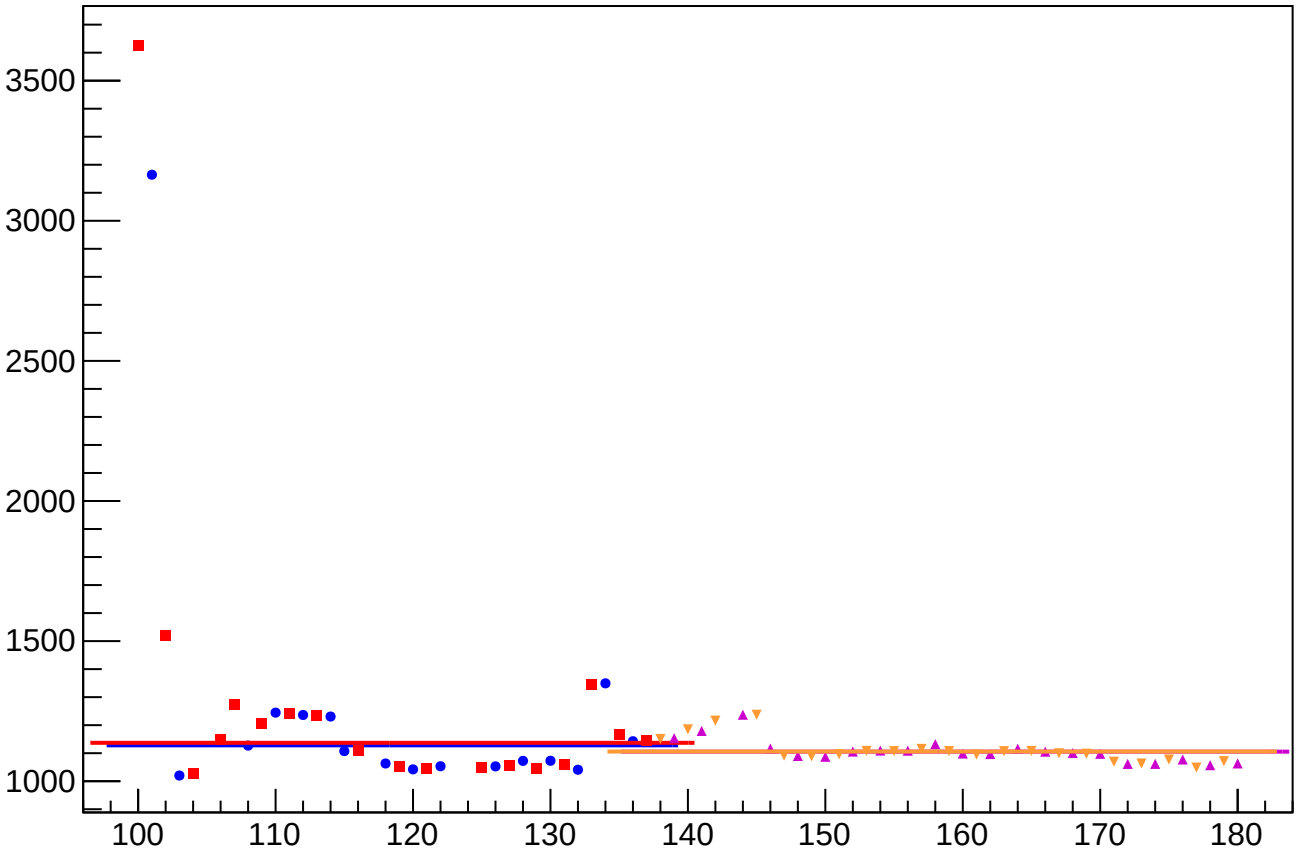
Left: -23.701+/-189.969 χ^2/NDF: 58.1/41

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -397.602+/-226.291 χ^2/NDF:31.5/36

Out: 335.998+/-229.413 χ^2/NDF:57.0/38

All: -35.829+/-161.104 χ^2/NDF: 93.7/75



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

Left: 1105.709+/-0.134 χ^2/NDF: 94097.0/41

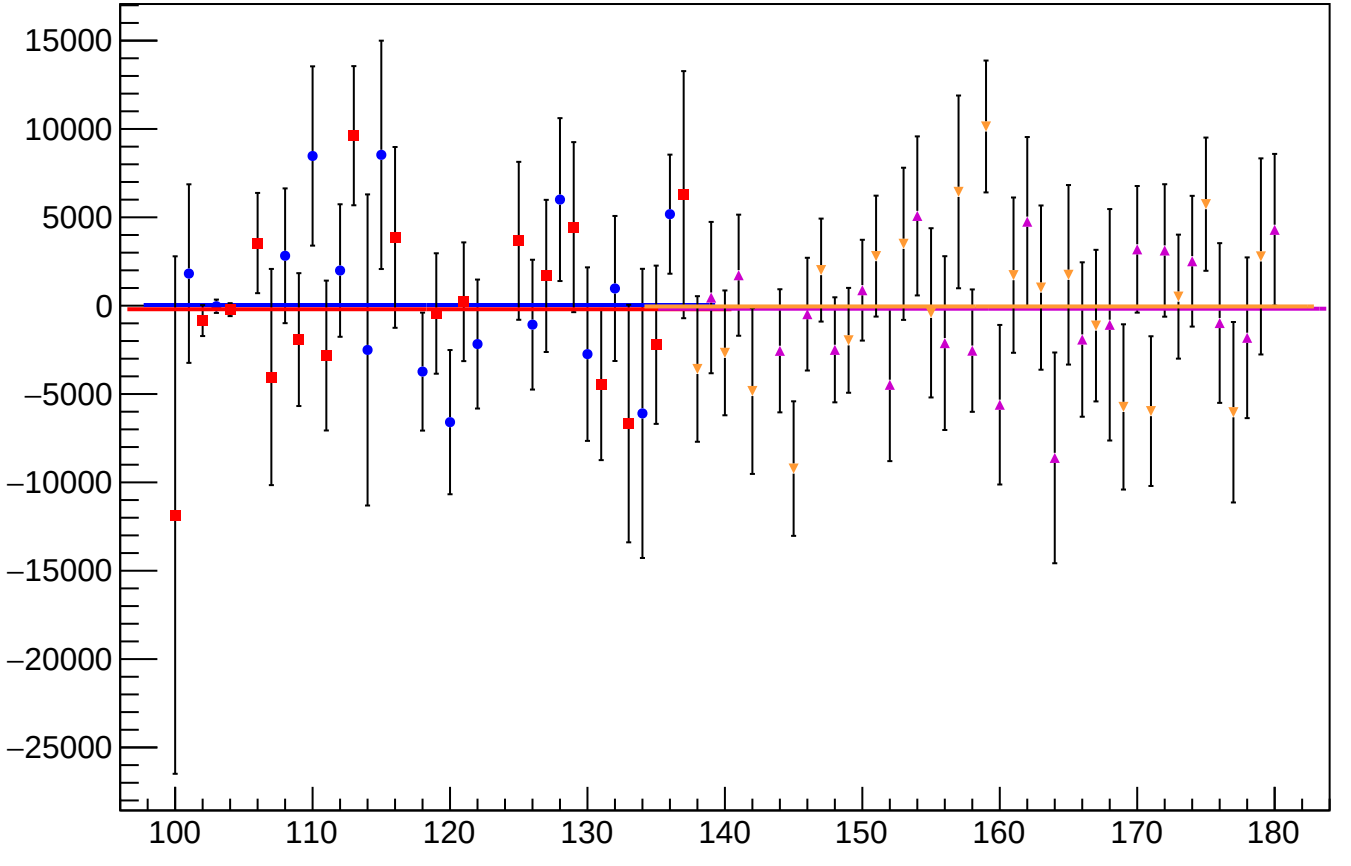
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1111.756+/-0.160 χ^2/NDF:670786.6/36

Out: 1114.776+/-0.162 χ^2/NDF:276254.7/38

All: 1113.246+/-0.114 χ^2/NDF: 947217.1/75

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -44.205+/-881.033 χ^2/NDF:27.1/20

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -172.202+/-859.310 χ^2/NDF:12.6/20

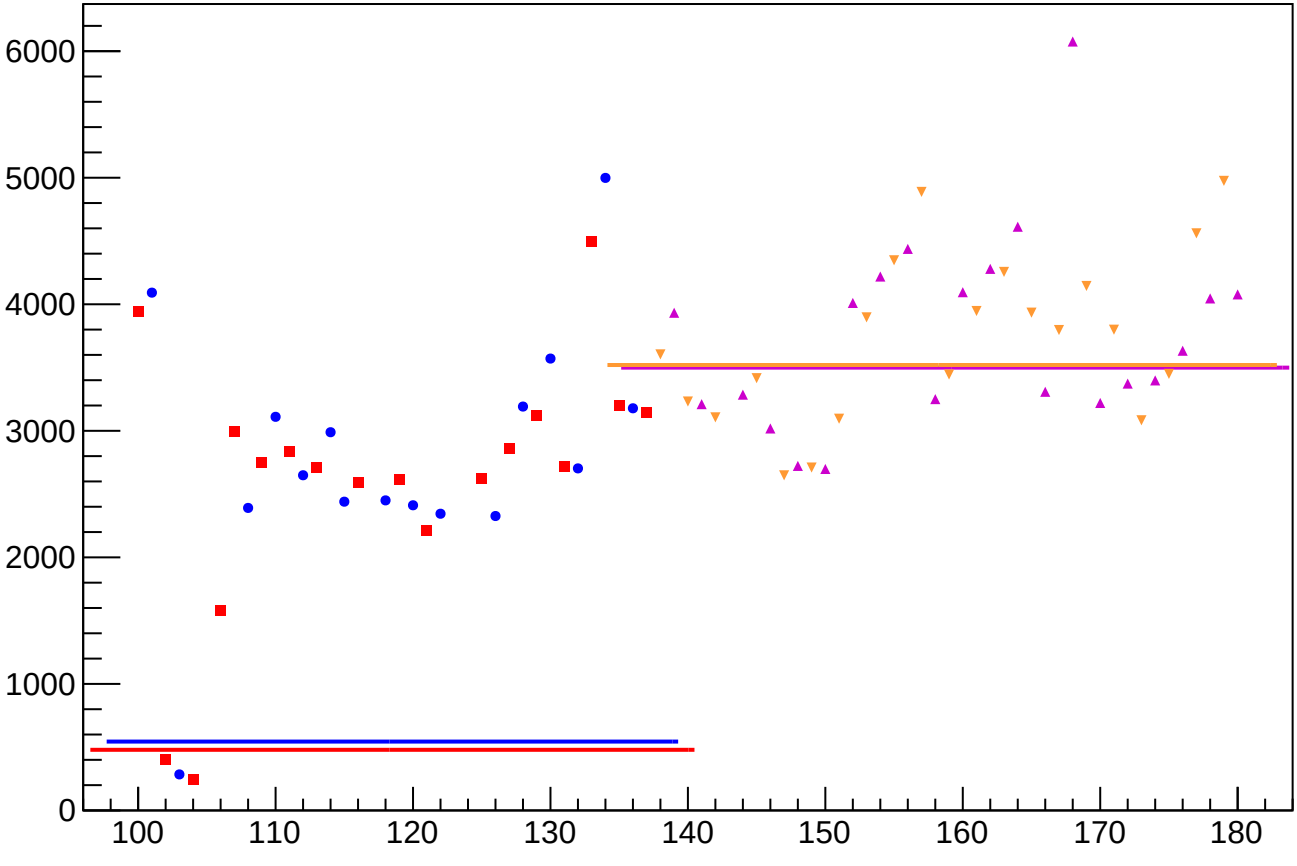
Left: -109.801+/-615.160 χ^2/NDF: 39.8/41

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 7.219+/-330.194 χ^2/NDF:27.5/36

Out: -183.034+/-302.885 χ^2/NDF:42.8/38

All: -96.099+/-223.203 χ^2/NDF: 70.5/75



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978938.5/20

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3499.265+/-0.608 χ^2/NDF:1098076.9/20

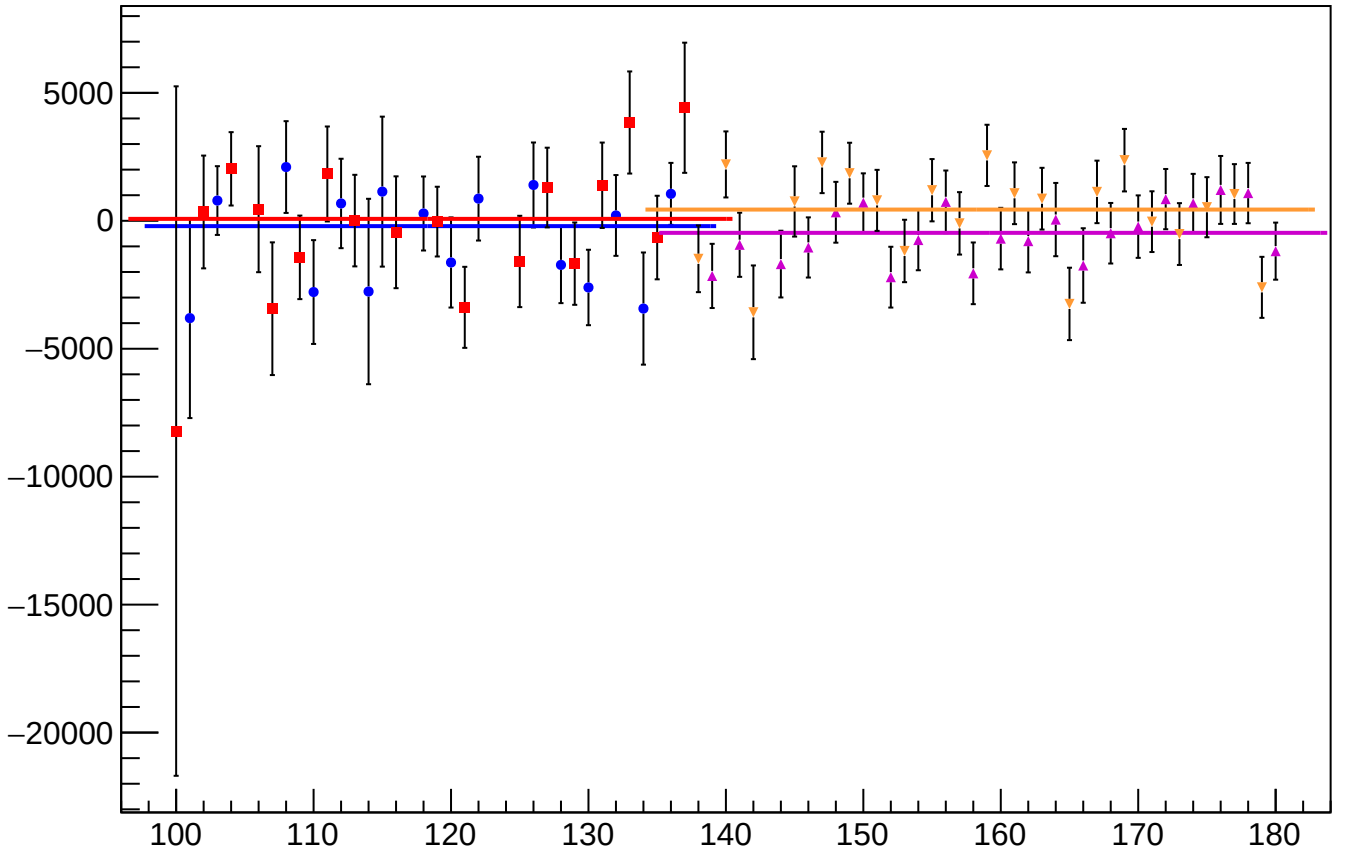
Left: 3509.399+/-0.435 χ^2/NDF: 2077585.9/41

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 980.635+/-0.233 χ^2/NDF:30938773.8/36

Out: 838.638+/-0.214 χ^2/NDF:31175544.6/38

All: 903.523+/-0.158 χ^2/NDF: 62315178.8/75



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -470.481+/-266.323 χ^2/NDF:16.5/20

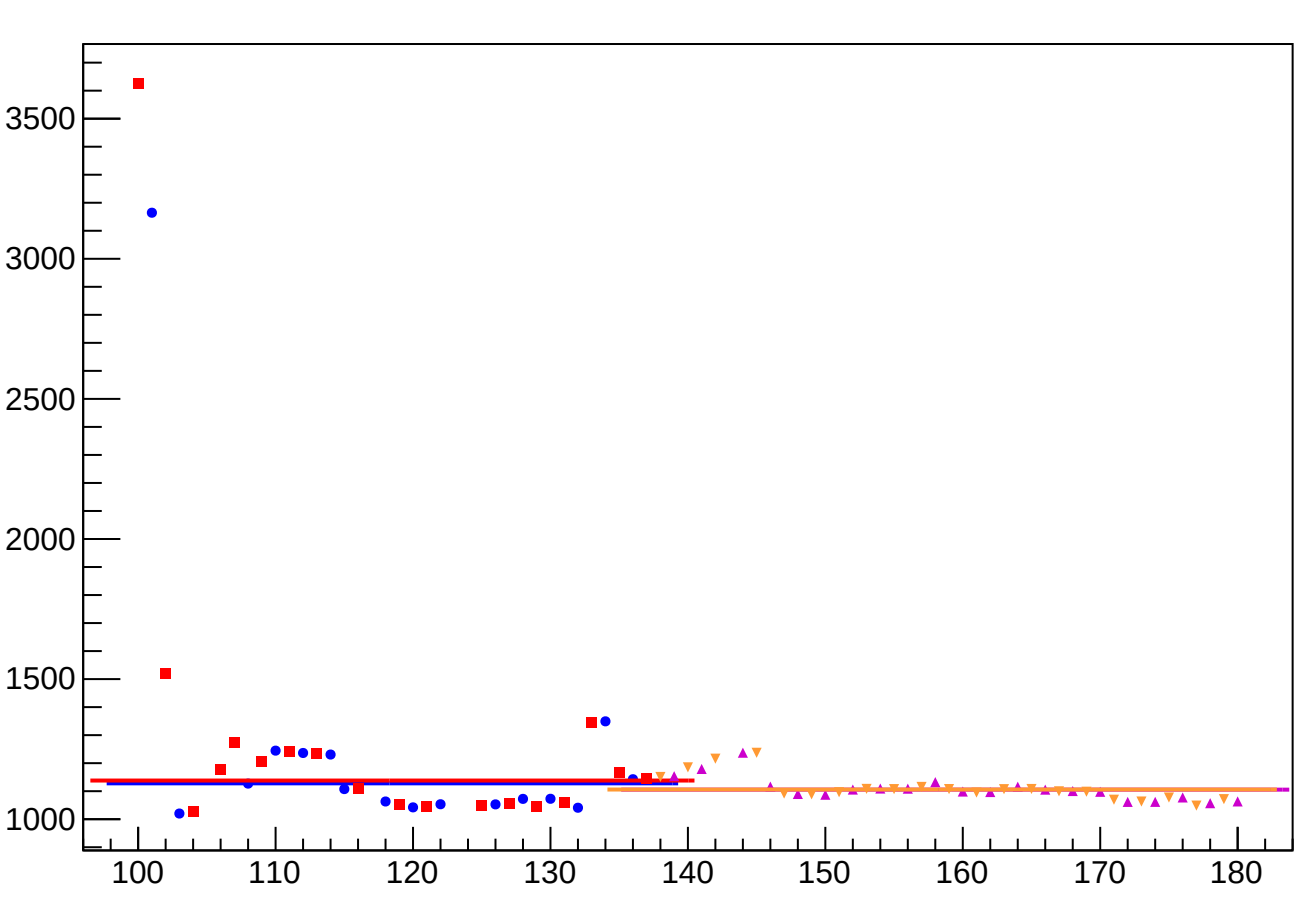
Left: -23.658+/-189.969 χ^2/NDF: 58.1/41

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -397.531+/-226.291 χ^2/NDF:31.5/36

Out: 336.094+/-229.413 χ^2/NDF:57.0/38

All: -35.746+/-161.104 χ^2/NDF: 93.7/75



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

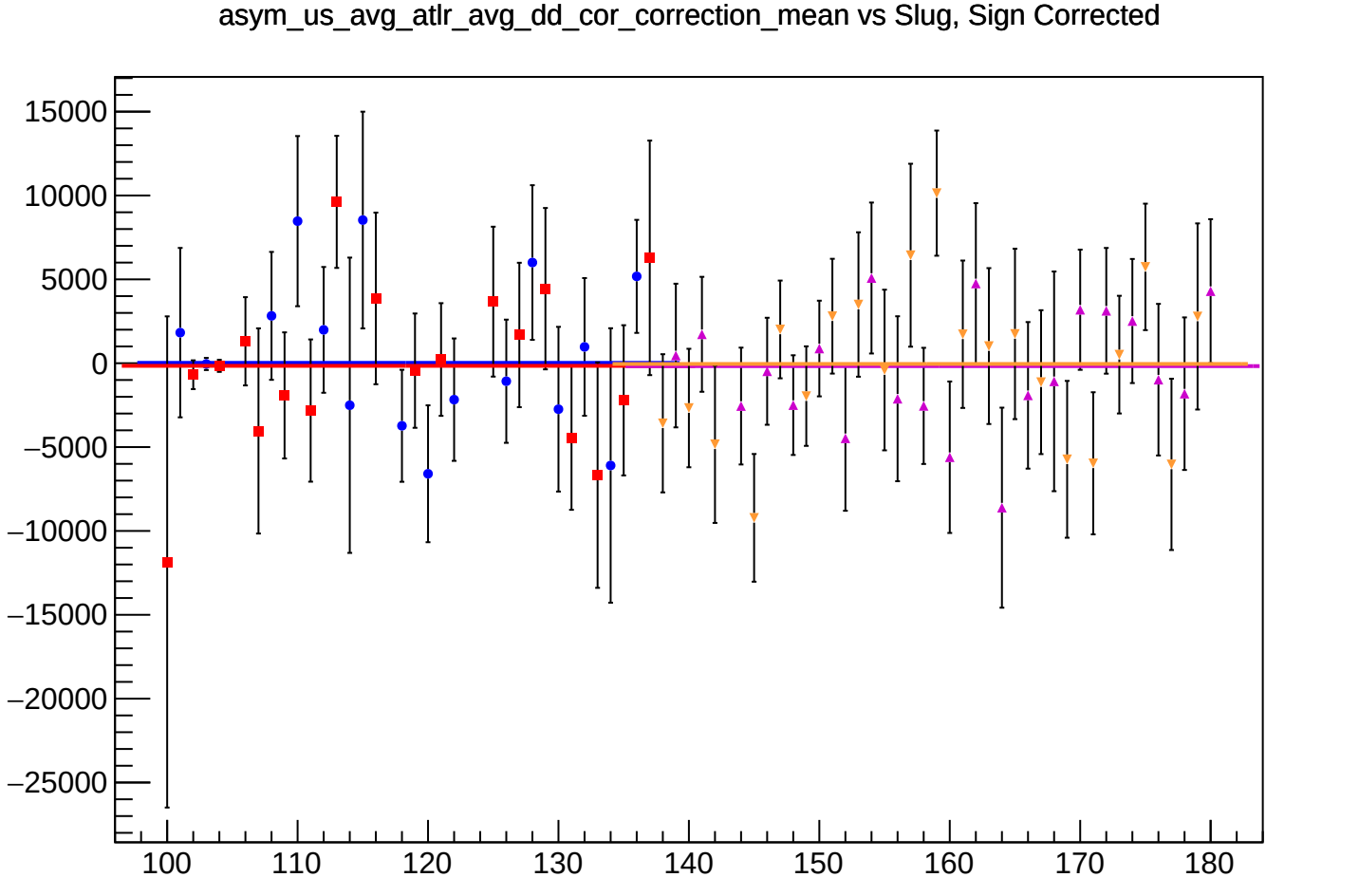
Left: 1105.709+/-0.134 χ^2/NDF: 94097.0/41

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1111.756+/-0.160 χ^2/NDF:670787.6/36

Out: 1115.032+/-0.162 χ^2/NDF:277247.4/38

All: 1113.372+/-0.114 χ^2/NDF: 948241.9/75



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -44.149+/-881.033 χ^2/NDF:27.1/20

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -172.216+/-859.310 χ^2/NDF:12.6/20

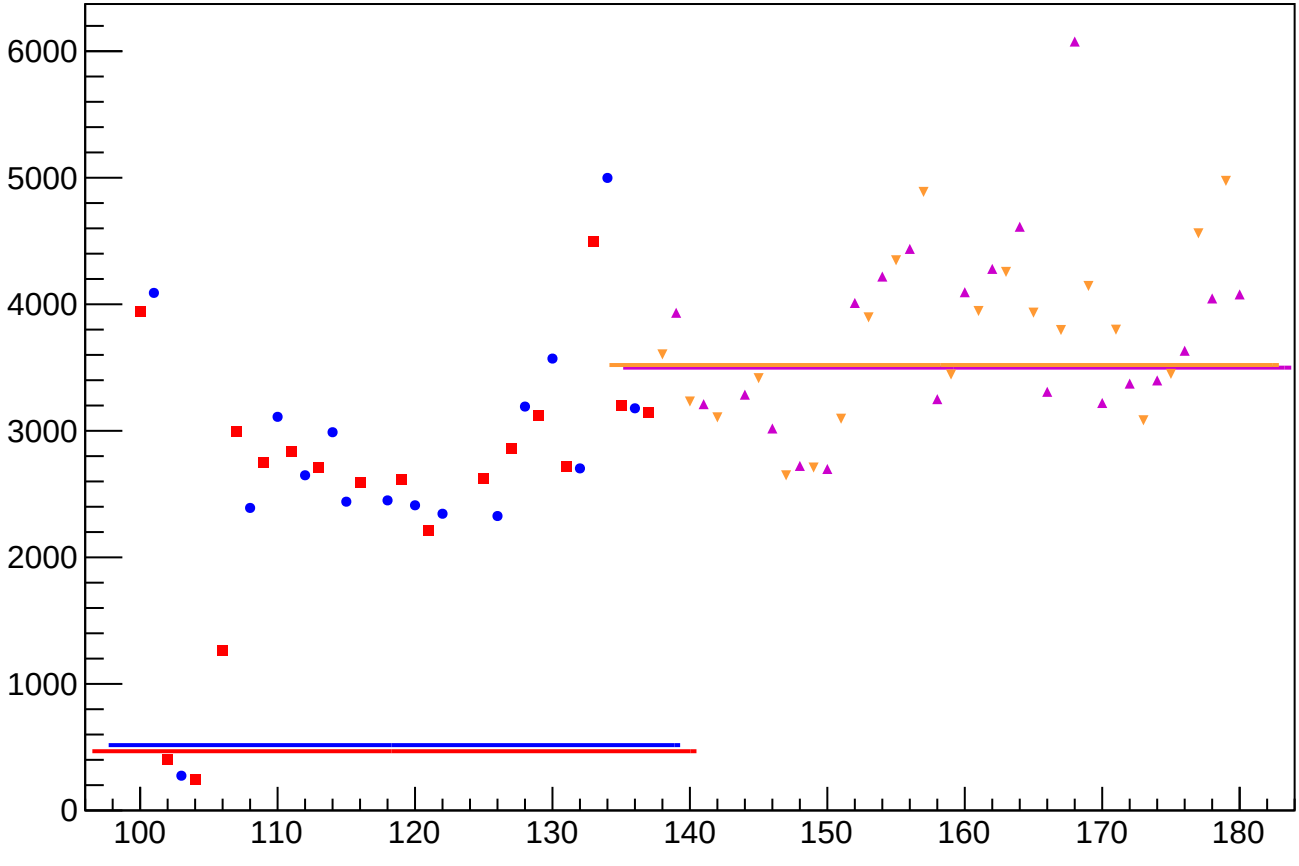
Left: -109.781+/-615.160 χ^2/NDF: 39.8/41

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -5.202+/-319.781 χ^2/NDF:27.6/36

Out: -143.358+/-298.586 χ^2/NDF:41.2/38

All: -79.010+/-218.241 χ^2/NDF: 68.8/75



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3499.264+/-0.608 χ^2/NDF:1098083.6/20

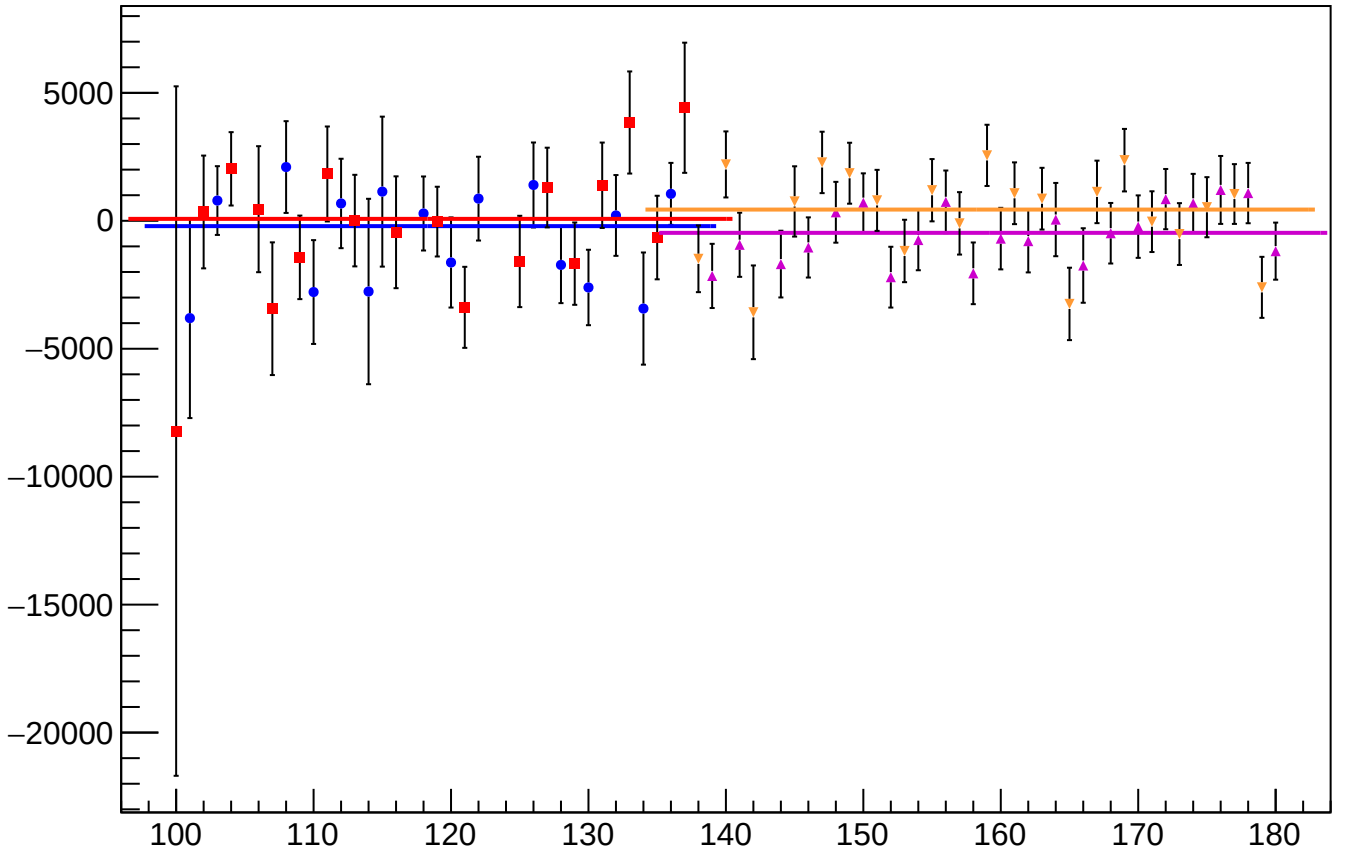
Left: 3509.399+/-0.435 χ^2/NDF: 2077601.6/41

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 929.395+/-0.226 χ^2/NDF:31695732.9/36

Out: 818.599+/-0.211 χ^2/NDF:31333697.4/38

All: 870.204+/-0.154 χ^2/NDF: 63157694.3/75



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -470.481+/-266.323 χ^2/NDF:16.5/20

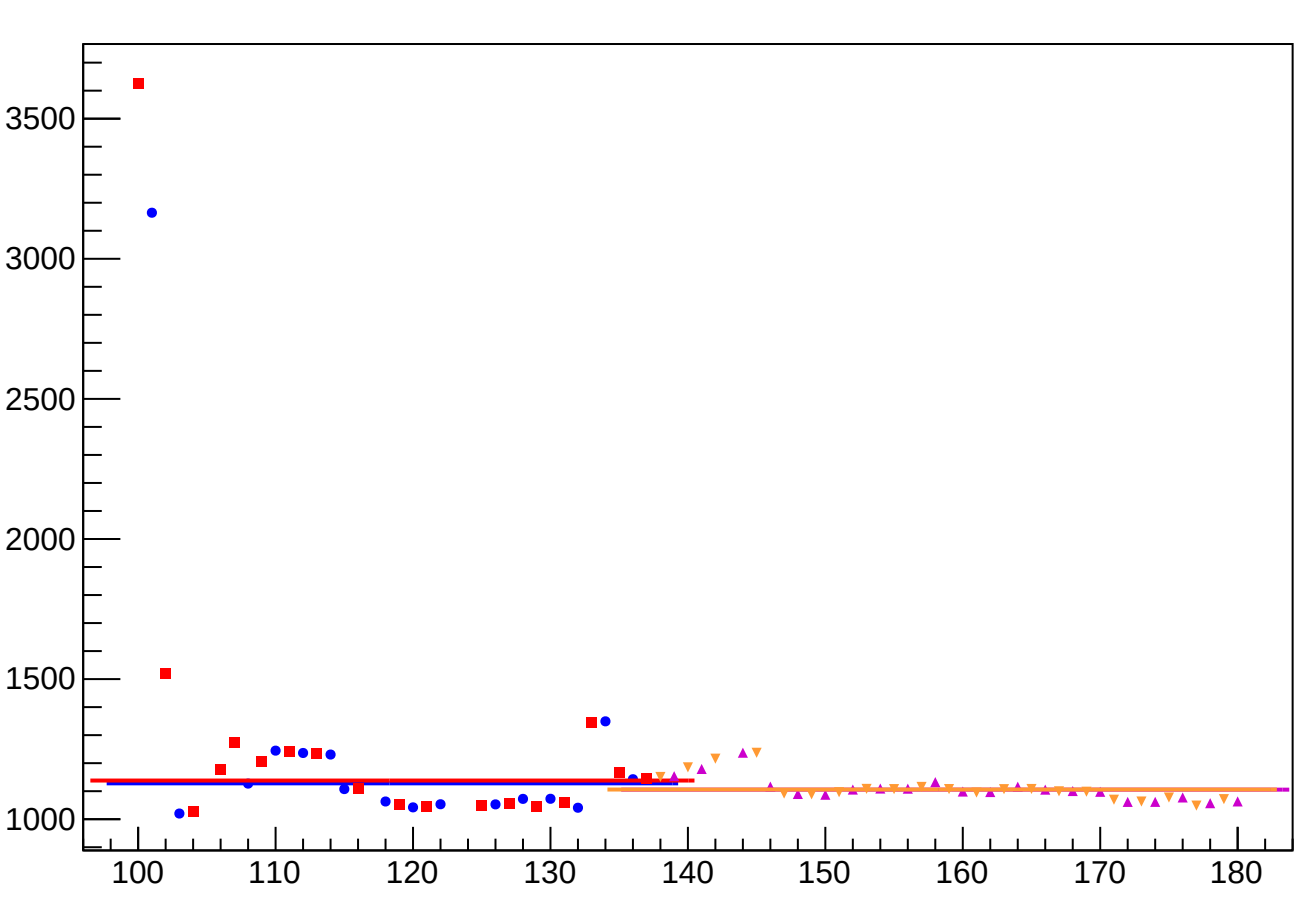
Left: -23.658+/-189.969 χ^2/NDF: 58.1/41

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -397.531+/-226.291 χ^2/NDF:31.5/36

Out: 336.094+/-229.413 χ^2/NDF:57.0/38

All: -35.746+/-161.104 χ^2/NDF: 93.7/75



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1105.497+/-0.188 χ^2/NDF:45419.5/20

Left: 1105.709+/-0.134 χ^2/NDF: 94097.0/41

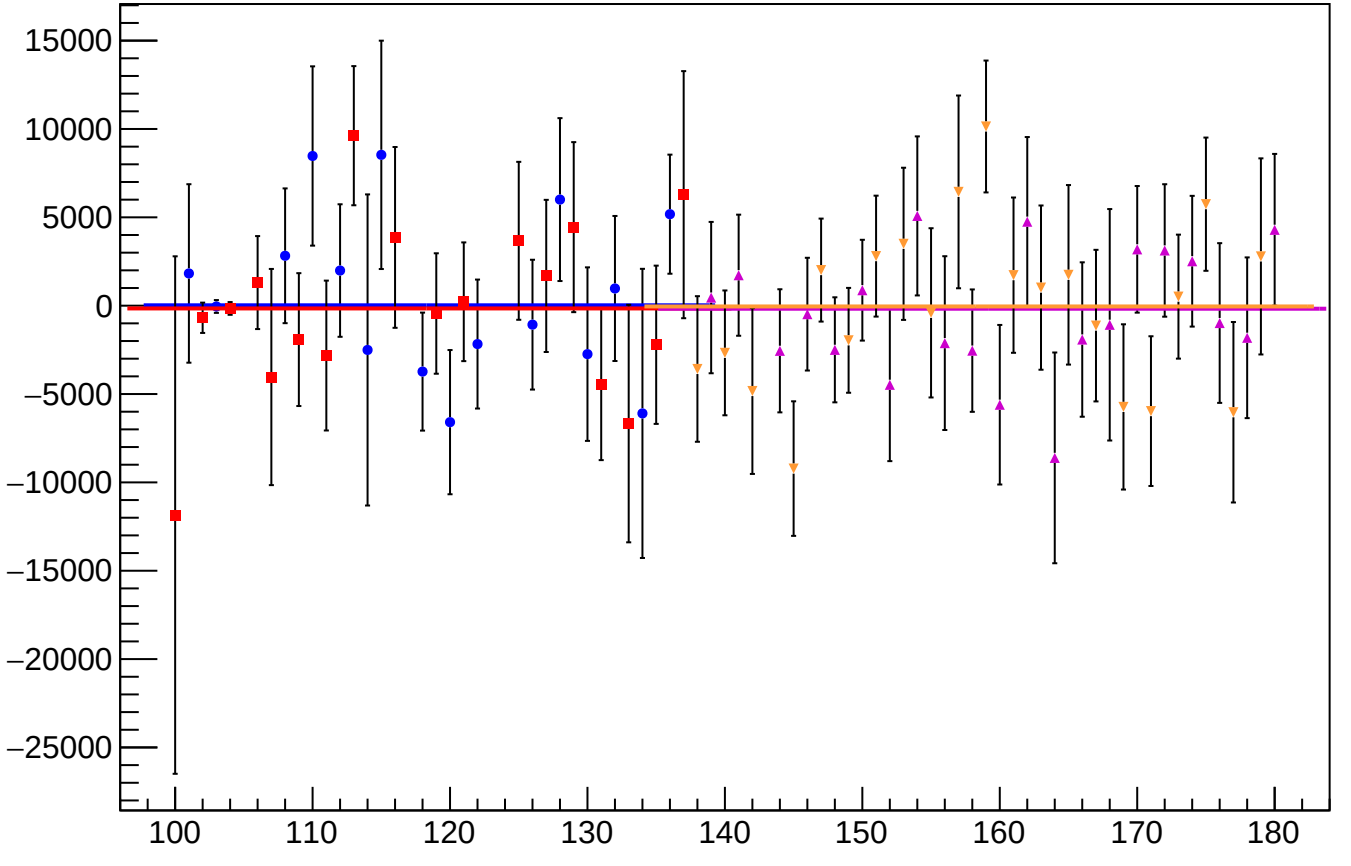
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1111.756+/-0.160 χ^2/NDF:670787.6/36

Out: 1115.032+/-0.162 χ^2/NDF:277247.4/38

All: 1113.372+/-0.114 χ^2/NDF: 948241.9/75

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -44.149+/-881.033 χ^2/NDF:27.1/20

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -172.216+/-859.310 χ^2/NDF:12.6/20

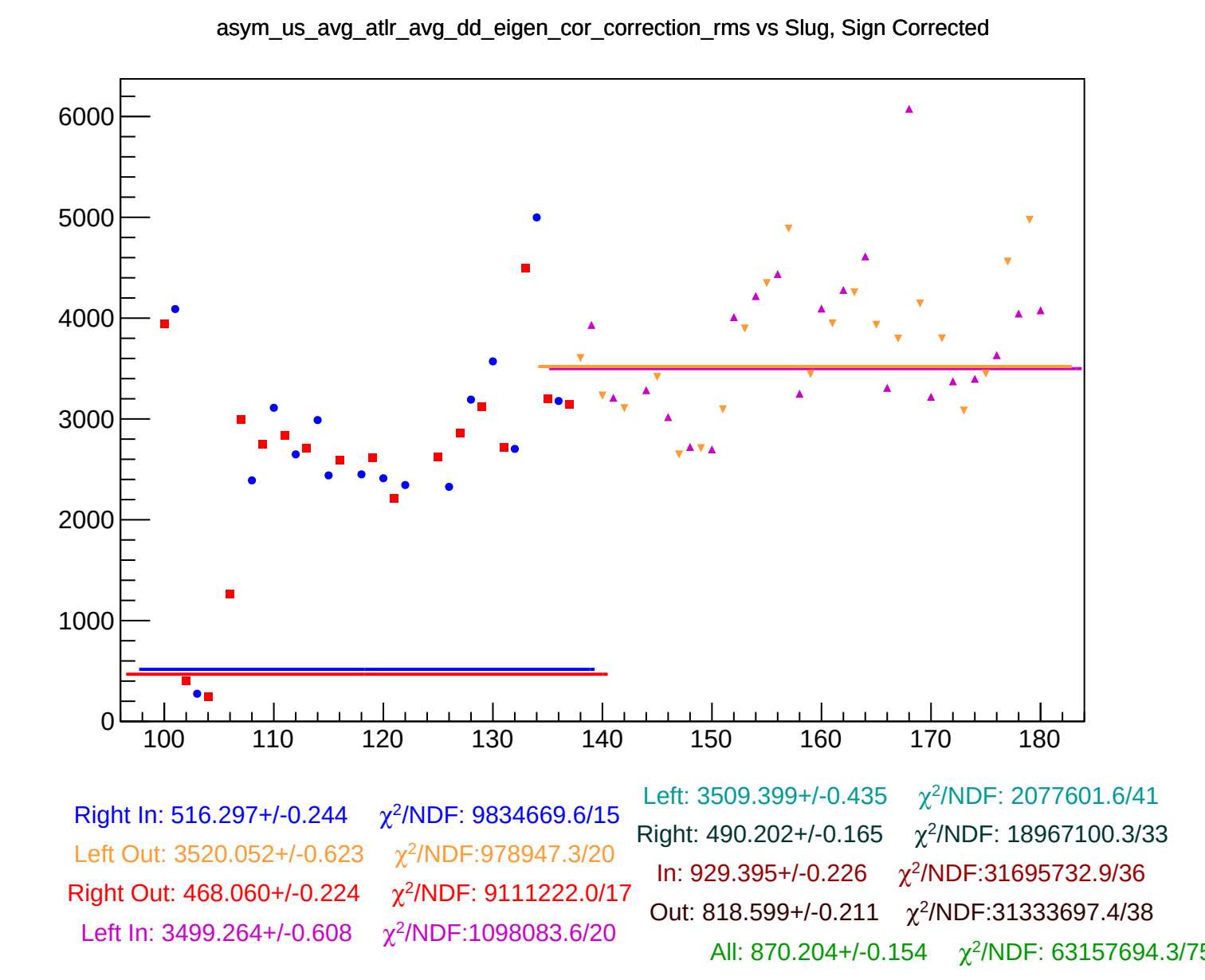
Left: -109.781+/-615.160 χ^2/NDF: 39.8/41

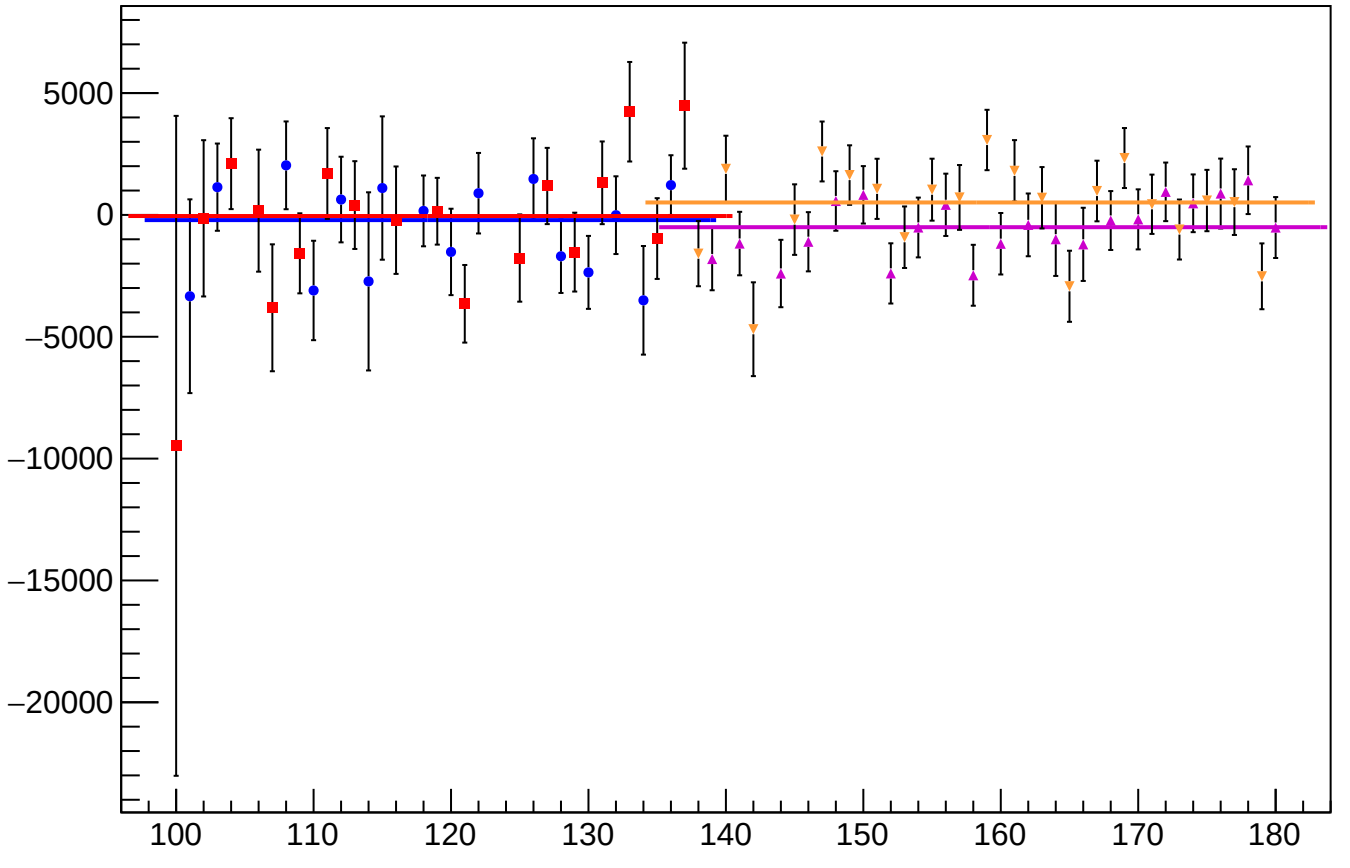
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -5.202+/-319.781 χ^2/NDF:27.6/36

Out: -143.358+/-298.586 χ^2/NDF:41.2/38

All: -79.010+/-218.241 χ^2/NDF: 68.8/75


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3520.052+/-0.623 χ²/NDF:978947.3/20
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3499.264+/-0.608 χ²/NDF:1098083.6/20
Left: 3509.399+/-0.435 χ²/NDF: 2077601.6/41
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 929.395+/-0.226 χ²/NDF:31695732.9/36
Out: 818.599+/-0.211 χ²/NDF:31333697.4/38
All: 870.204+/-0.154 χ²/NDF: 63157694.3/75



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.893+/-283.999 χ^2/NDF:35.6/20

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -503.728+/-278.764 χ^2/NDF:16.6/20

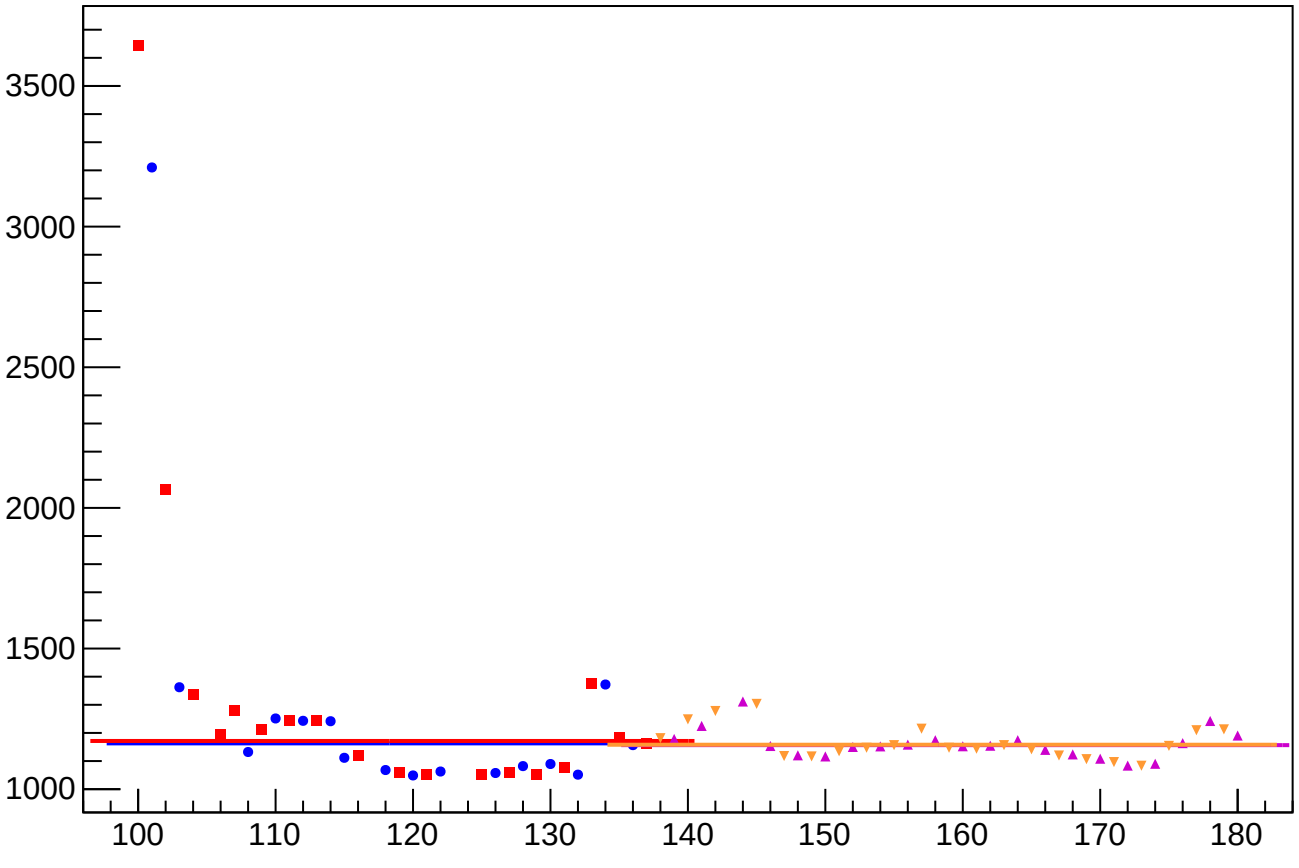
Left: -5.855+/-198.941 χ^2/NDF: 58.6/41

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -421.200+/-235.890 χ^2/NDF:31.2/36

Out: 350.988+/-239.744 χ^2/NDF:58.3/38

All: -41.361+/-168.146 χ^2/NDF: 94.8/75



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1158.045+/-0.201 χ^2/NDF:71011.7/20

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1156.585+/-0.197 χ^2/NDF:63712.8/20

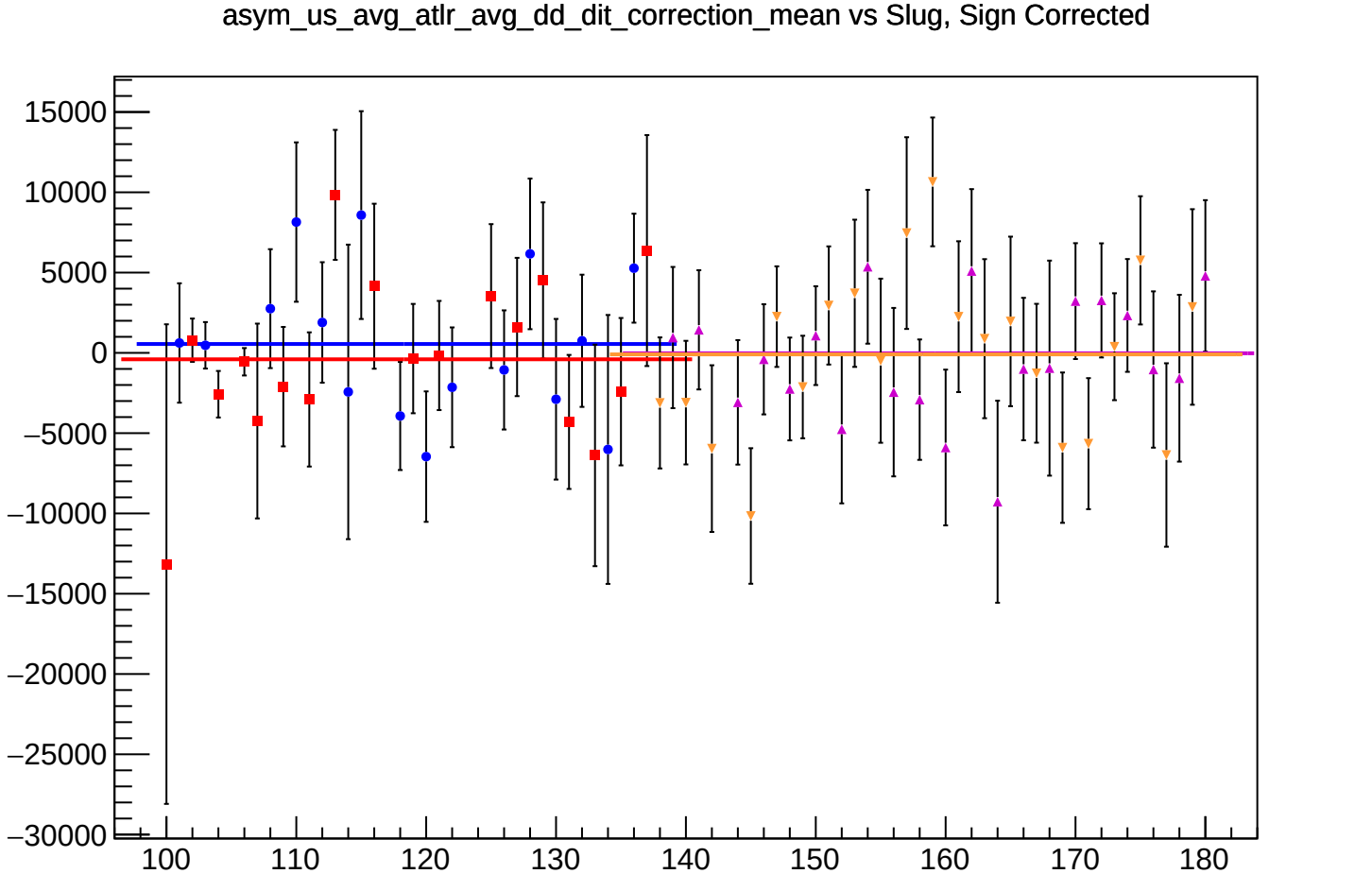
Left: 1157.302+/-0.141 χ^2/NDF: 134751.5/41

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1158.364+/-0.167 χ^2/NDF:699353.2/36

Out: 1161.892+/-0.170 χ^2/NDF:403928.2/38

All: 1160.100+/-0.119 χ^2/NDF: 1103501.4/75



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -93.911+/-927.493 χ^2/NDF:26.8/20

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -25.152+/-906.215 χ^2/NDF:12.6/20

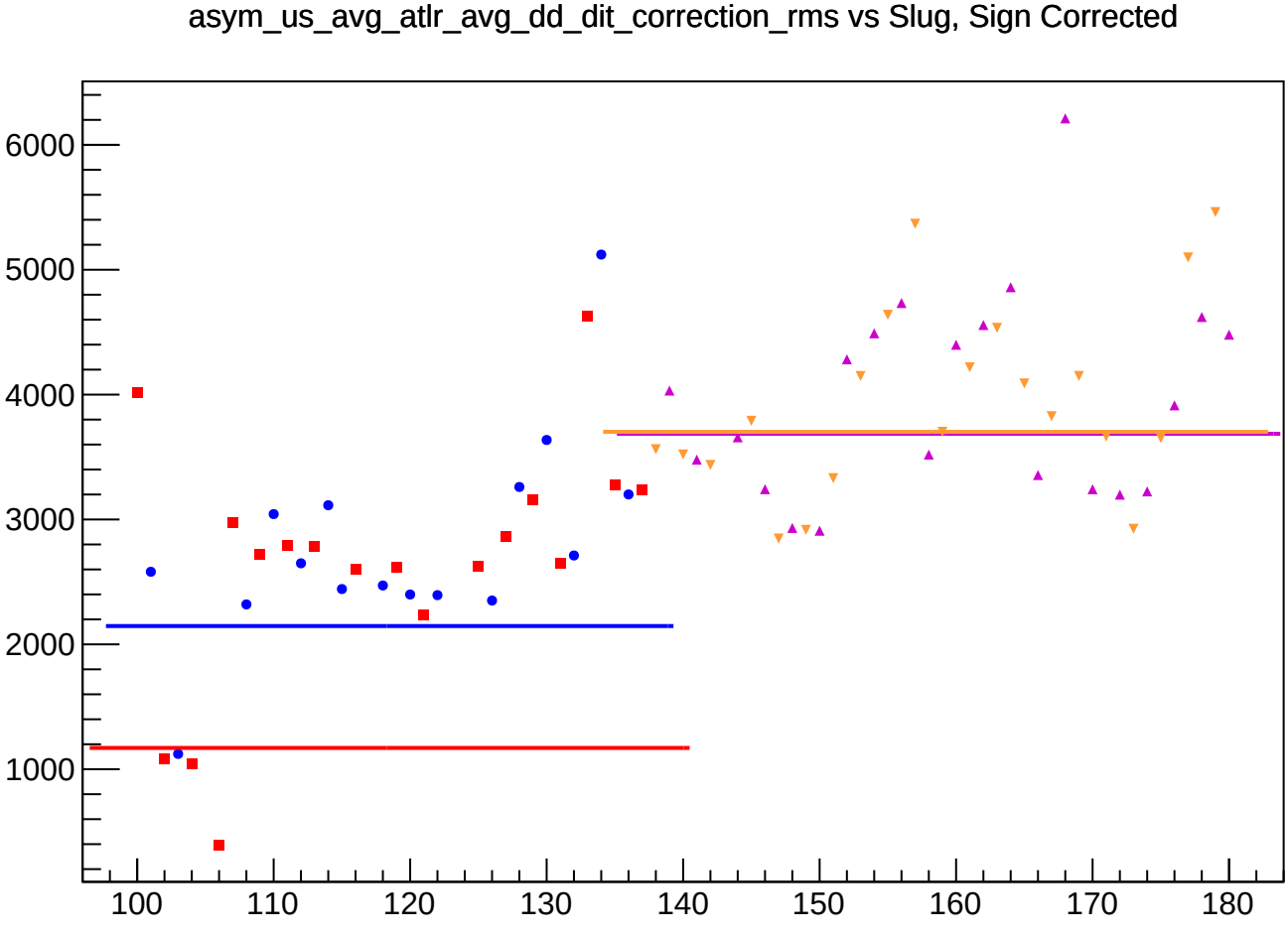
Left: -58.734+/-648.183 χ^2/NDF: 39.3/41

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 274.090+/-629.140 χ^2/NDF:27.2/36

Out: -317.285+/-483.063 χ^2/NDF:43.5/38

All: -97.952+/-383.149 χ^2/NDF: 71.2/75



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3702.142+/-0.656 χ^2/NDF:1052186.7/20

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3686.193+/-0.641 χ^2/NDF:1158886.1/20

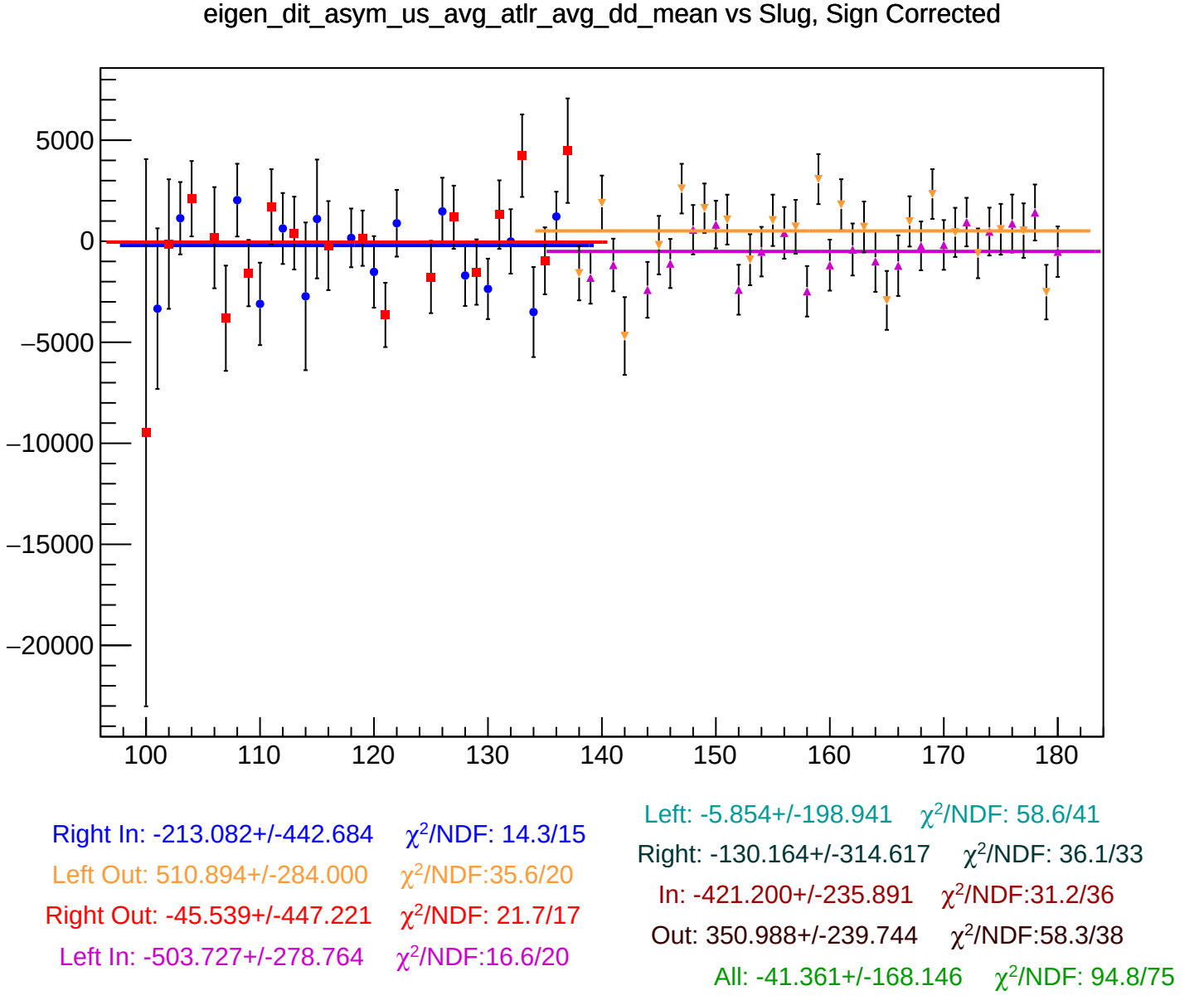
Left: 3693.983+/-0.458 χ^2/NDF: 2211375.3/41

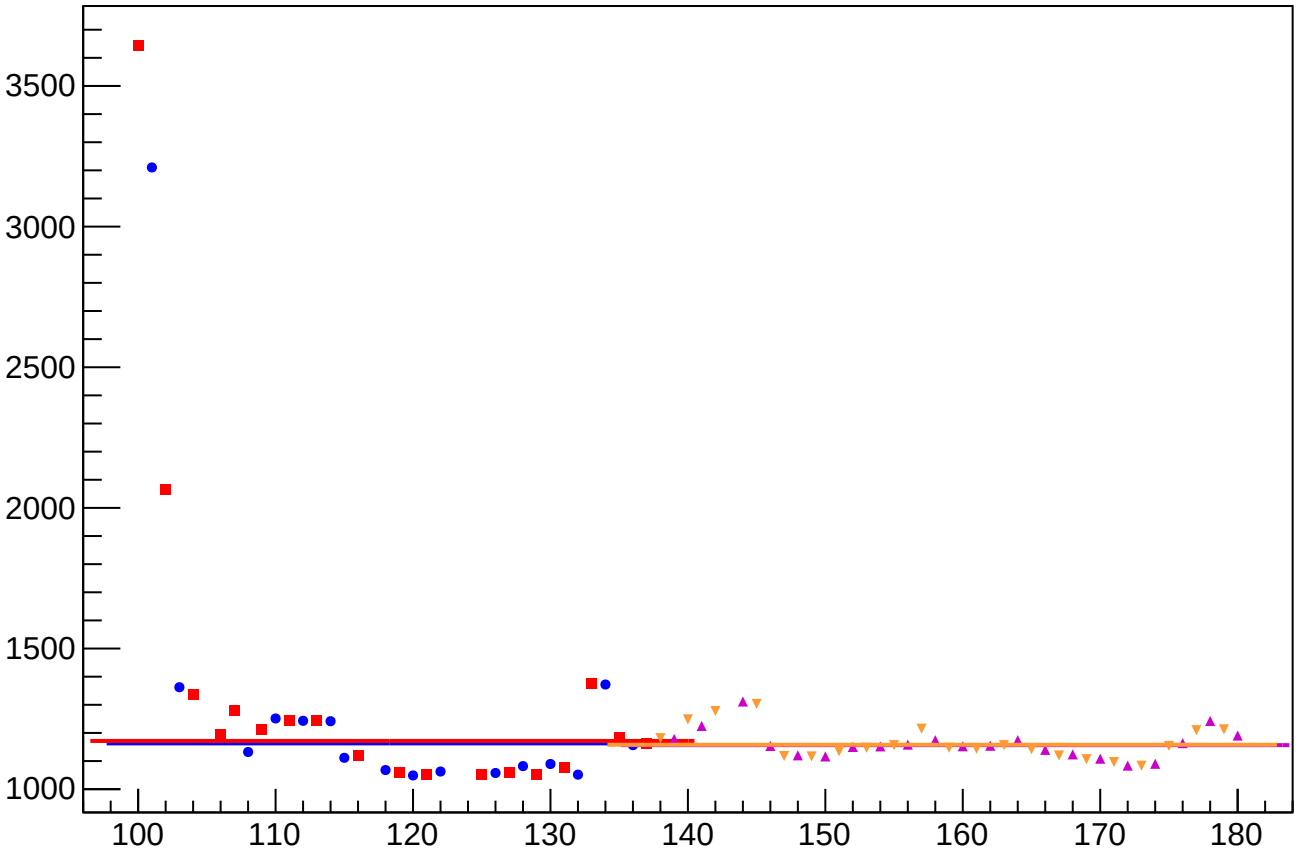
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2888.666+/-0.445 χ^2/NDF:6123909.2/36

Out: 1857.287+/-0.342 χ^2/NDF:17727941.2/38

All: 2239.812+/-0.271 χ^2/NDF: 27233287.0/7


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 510.894+/-284.000 χ²/NDF:35.6/20
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -503.727+/-278.764 χ²/NDF:16.6/20
Left: -5.854+/-198.941 χ²/NDF: 58.6/41
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -421.200+/-235.891 χ²/NDF:31.2/36
Out: 350.988+/-239.744 χ²/NDF:58.3/38
All: -41.361+/-168.146 χ²/NDF: 94.8/75



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1158.046+/-0.201 χ^2/NDF:71014.4/20

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1156.586+/-0.197 χ^2/NDF:63715.3/20

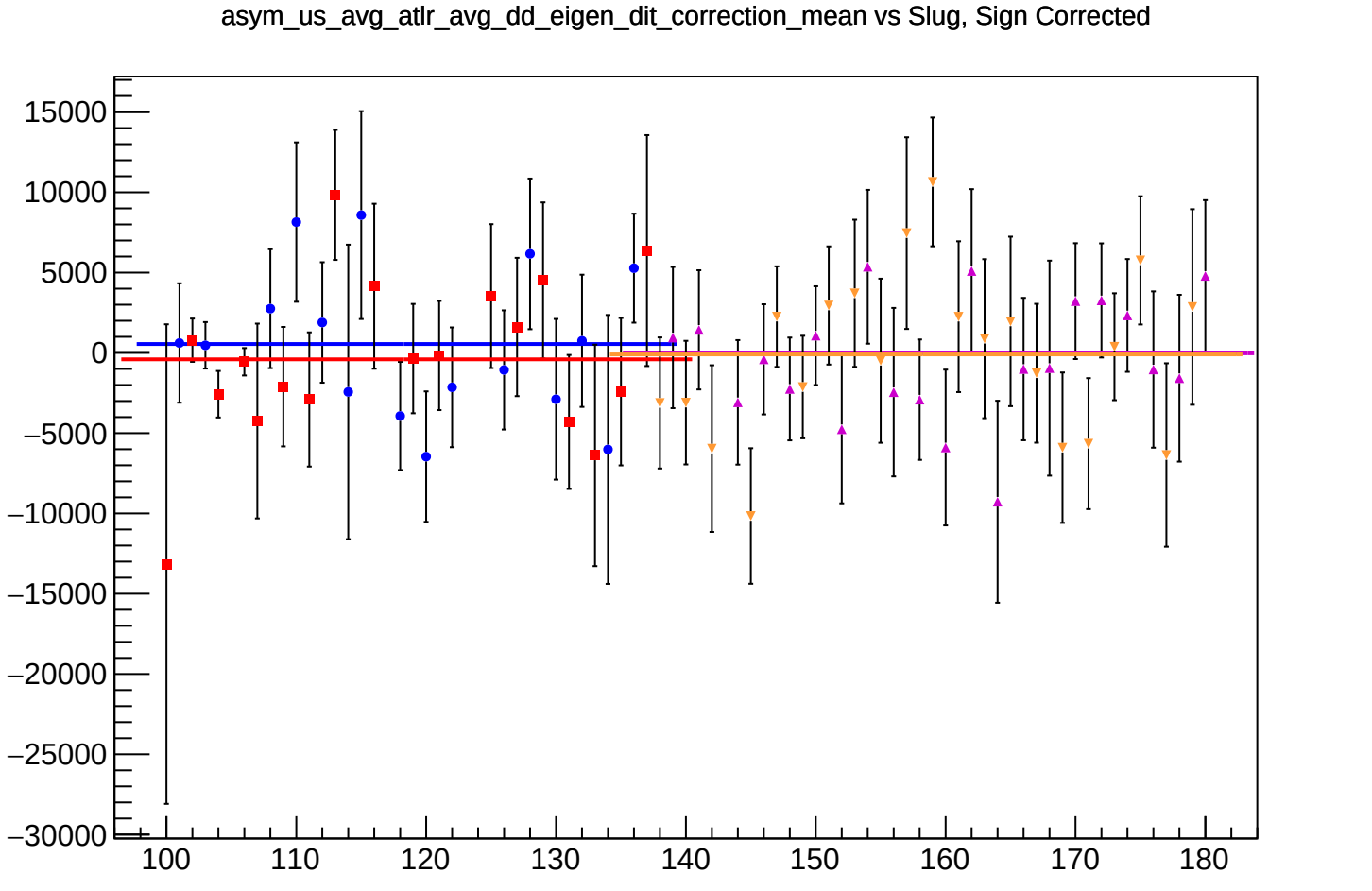
Left: 1157.303+/-0.141 χ^2/NDF: 134756.6/41

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

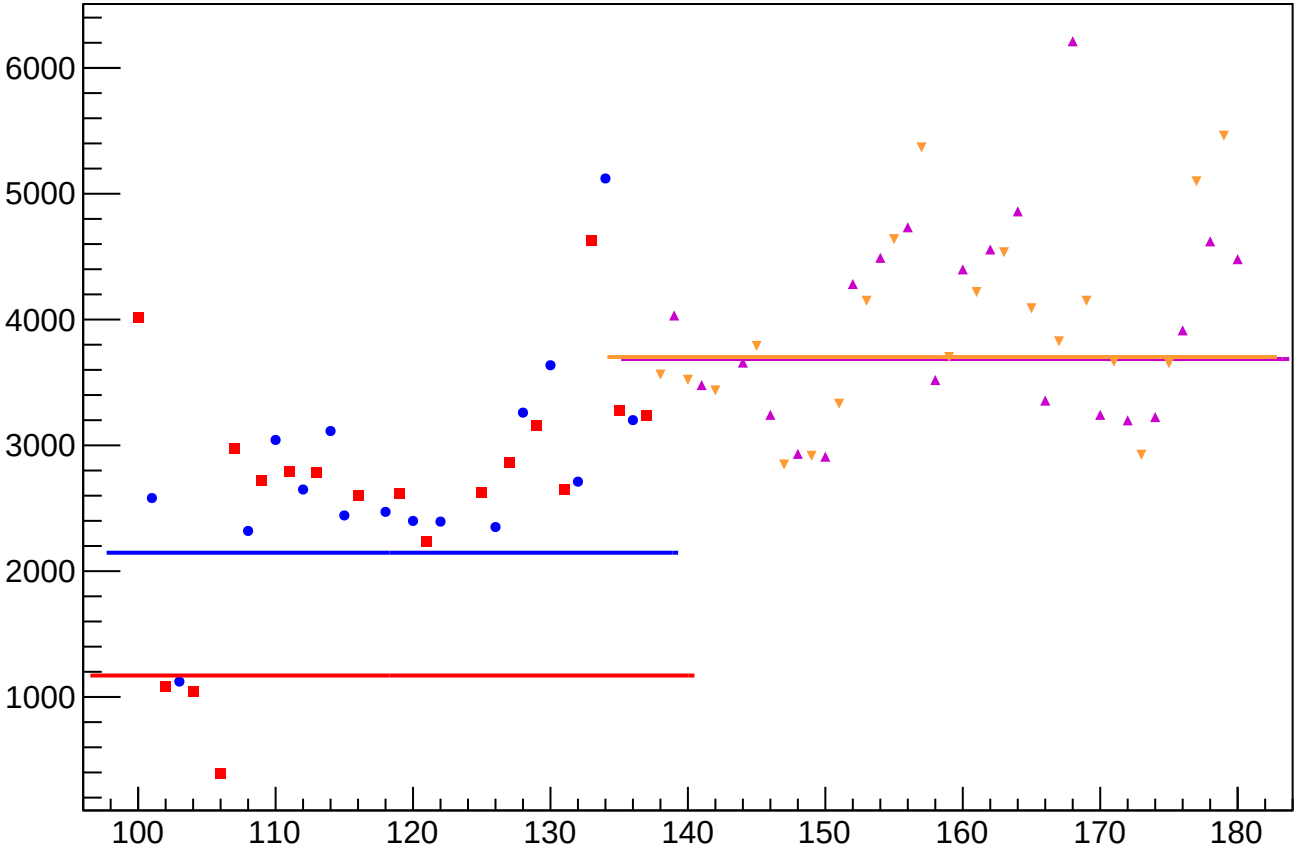
In: 1158.365+/-0.167 χ^2/NDF:699355.7/36

Out: 1161.892+/-0.170 χ^2/NDF:403930.3/38

All: 1160.100+/-0.119 χ^2/NDF: 1103506.0/75


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: -93.912+/-927.494 χ²/NDF:26.8/20
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: -25.151+/-906.216 χ²/NDF:12.6/20
Left: -58.734+/-648.184 χ²/NDF: 39.3/41
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 274.088+/-629.139 χ²/NDF:27.2/36
Out: -317.288+/-483.059 χ²/NDF:43.5/38
All: -97.956+/-383.147 χ²/NDF: 71.2/75

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3702.148+/-0.656 χ^2/NDF:1052189.5/20

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3686.199+/-0.641 χ^2/NDF:1158889.9/20

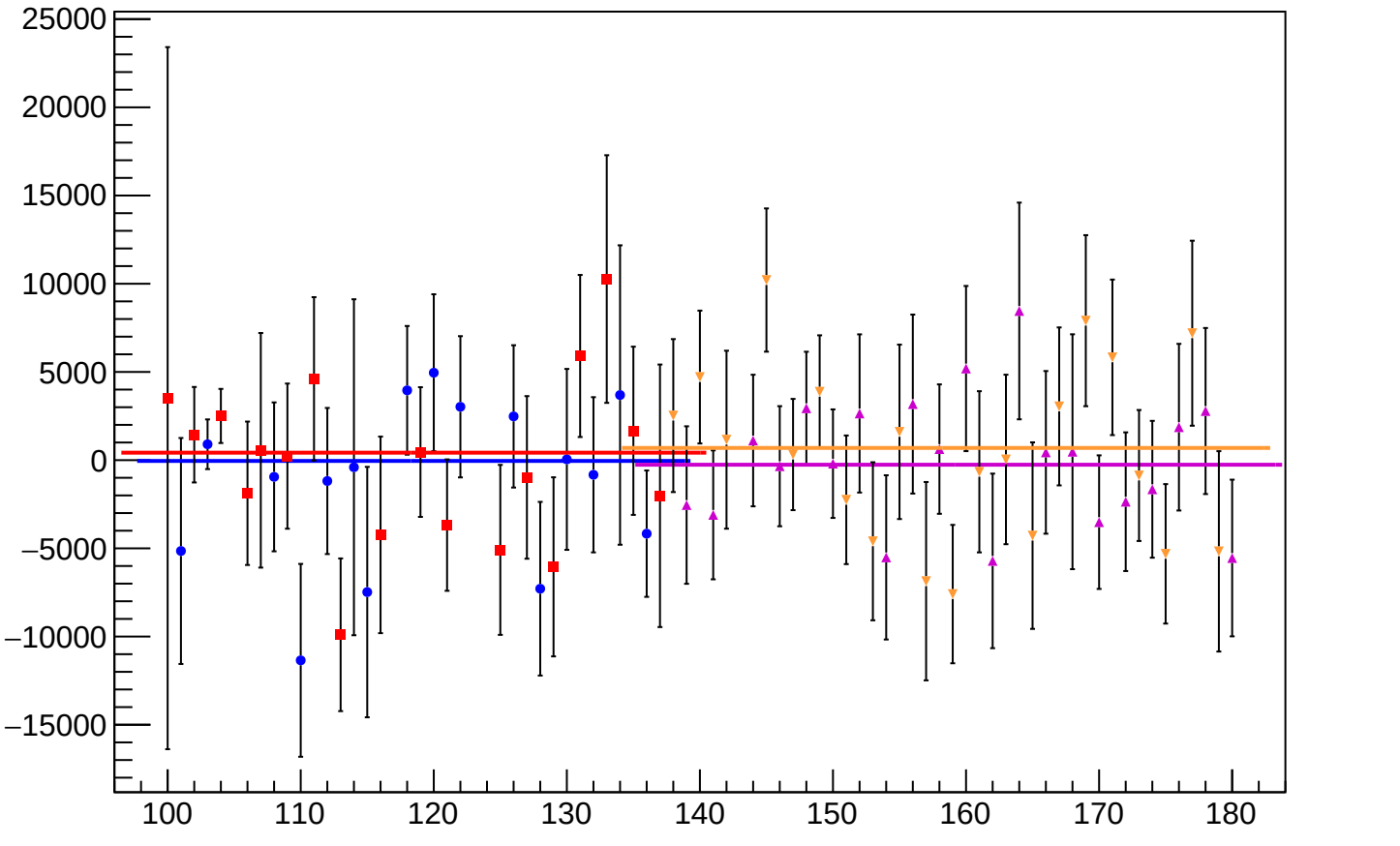
Left: 3693.988+/-0.458 χ^2/NDF: 2211382.0/41

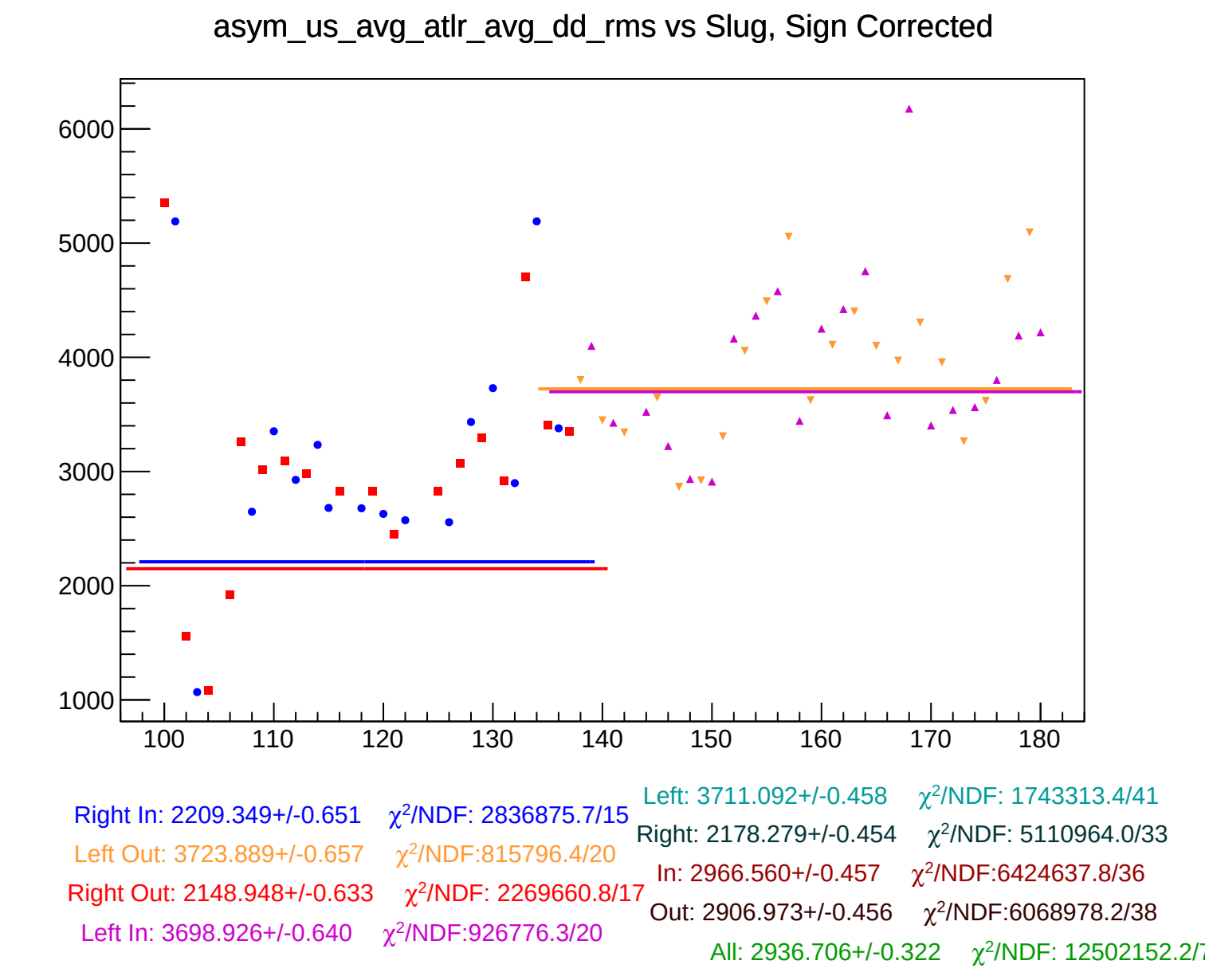
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

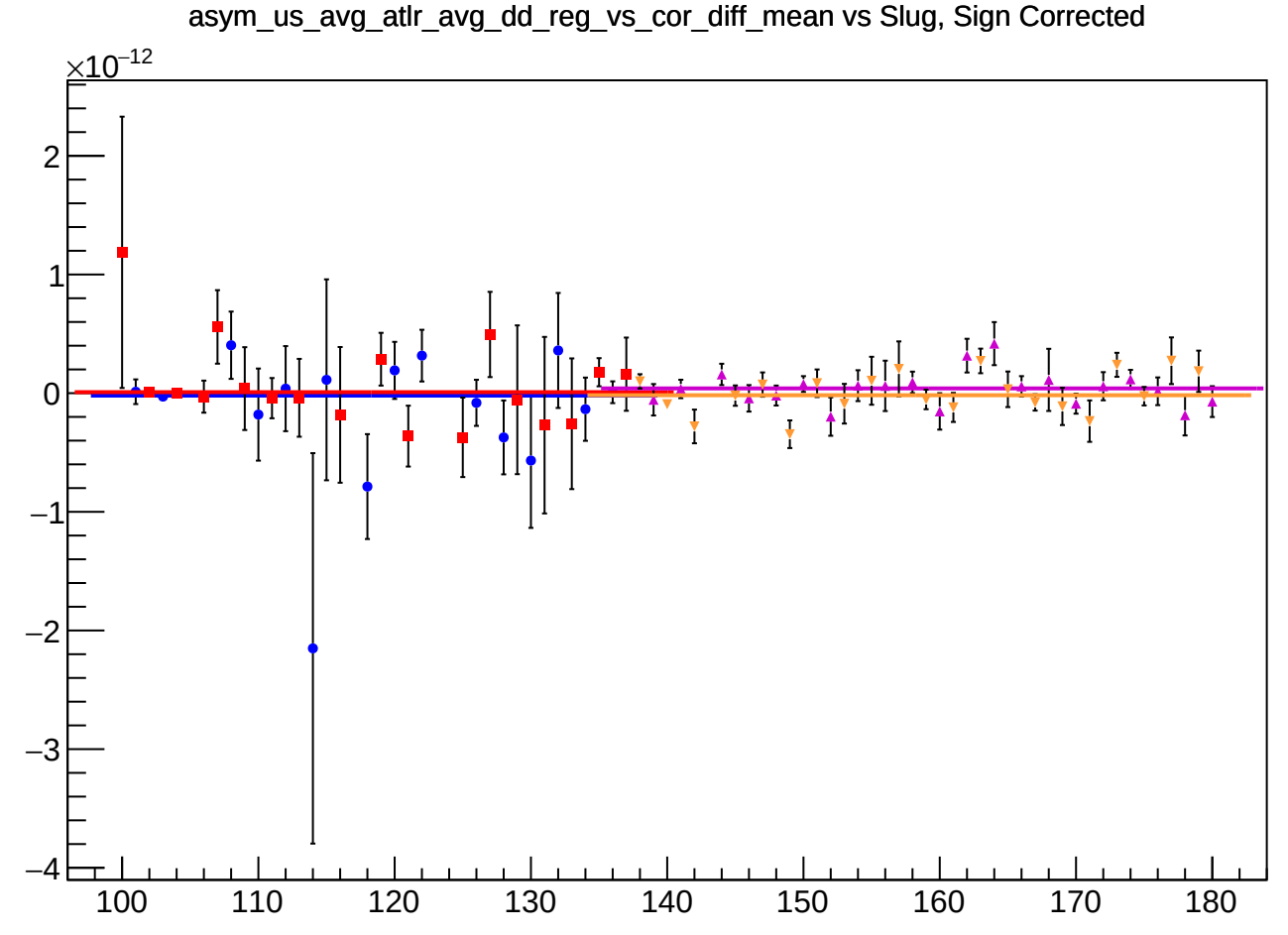
In: 2888.665+/-0.445 χ^2/NDF:6123941.1/36

Out: 1857.258+/-0.342 χ^2/NDF:17728363.1/38

All: 2239.790+/-0.271 χ^2/NDF: 27233942.6/7


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 692.360+/-928.691 χ²/NDF:26.1/20
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -259.715+/-905.502 χ²/NDF:12.0/20
Left: 204.288+/-648.330 χ²/NDF: 38.7/41
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -154.087+/-645.605 χ²/NDF:25.8/36
Out: 553.212+/-645.089 χ²/NDF:43.5/38
All: 199.846+/-456.329 χ²/NDF: 69.9/75


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2209.349+/-0.651 χ²/NDF: 2836875.7/15
Left Out: 3723.889+/-0.657 χ²/NDF:815796.4/20
Right Out: 2148.948+/-0.633 χ²/NDF: 2269660.8/17
Left In: 3698.926+/-0.640 χ²/NDF:926776.3/20
Left: 3711.092+/-0.458 χ²/NDF: 1743313.4/41
Right: 2178.279+/-0.454 χ²/NDF: 5110964.0/33
In: 2966.560+/-0.457 χ²/NDF:6424637.8/36
Out: 2906.973+/-0.456 χ²/NDF:6068978.2/38
All: 2936.706+/-0.322 χ²/NDF: 12502152.2/7



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.8/20

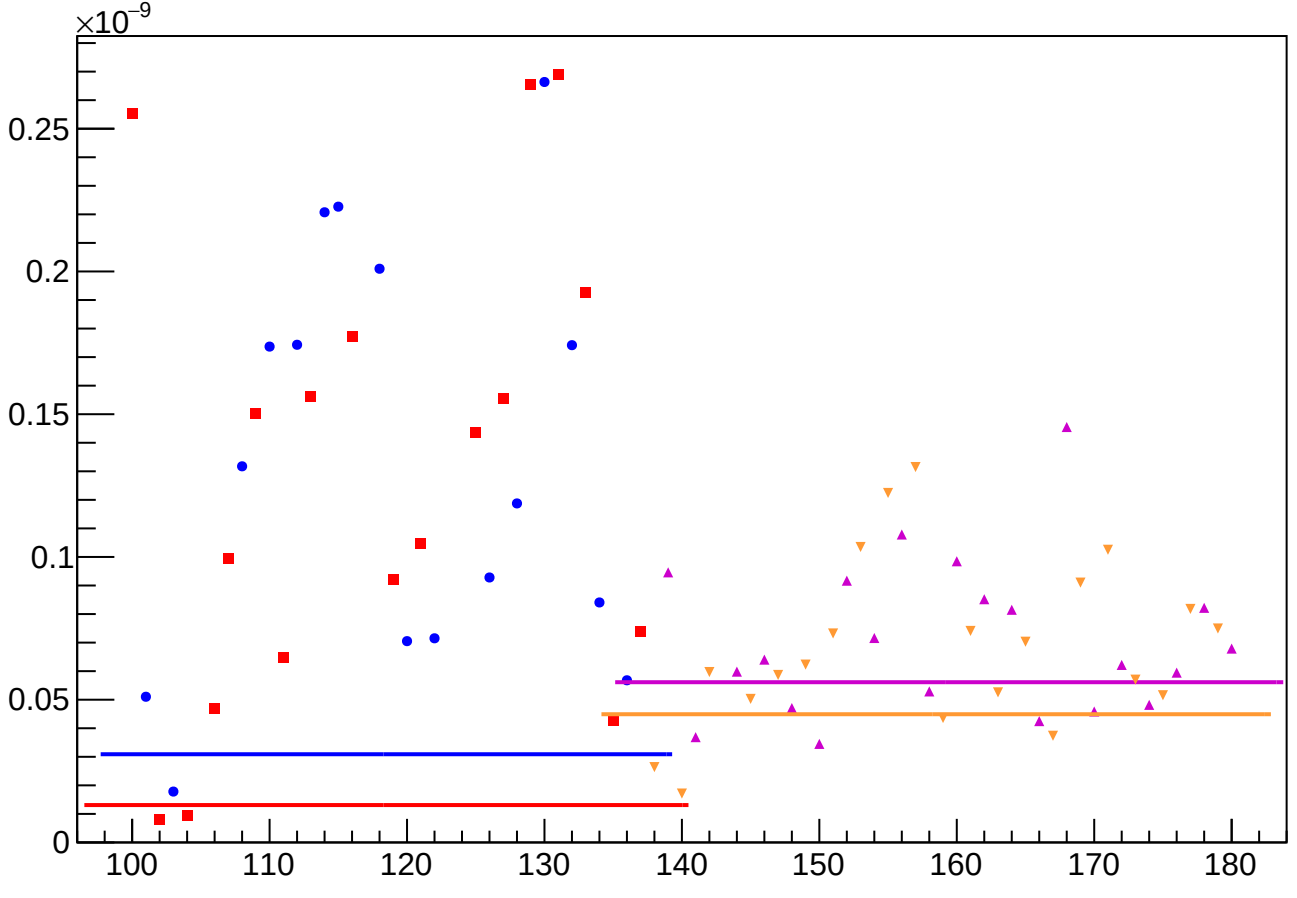
Left: 0.000+/-0.000 χ^2/NDF: 68.2/41

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:38.5/36

Out: -0.000+/-0.000 χ^2/NDF:58.0/38

All: 0.000+/-0.000 χ^2/NDF: 96.9/75



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930440.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1463089.8/20

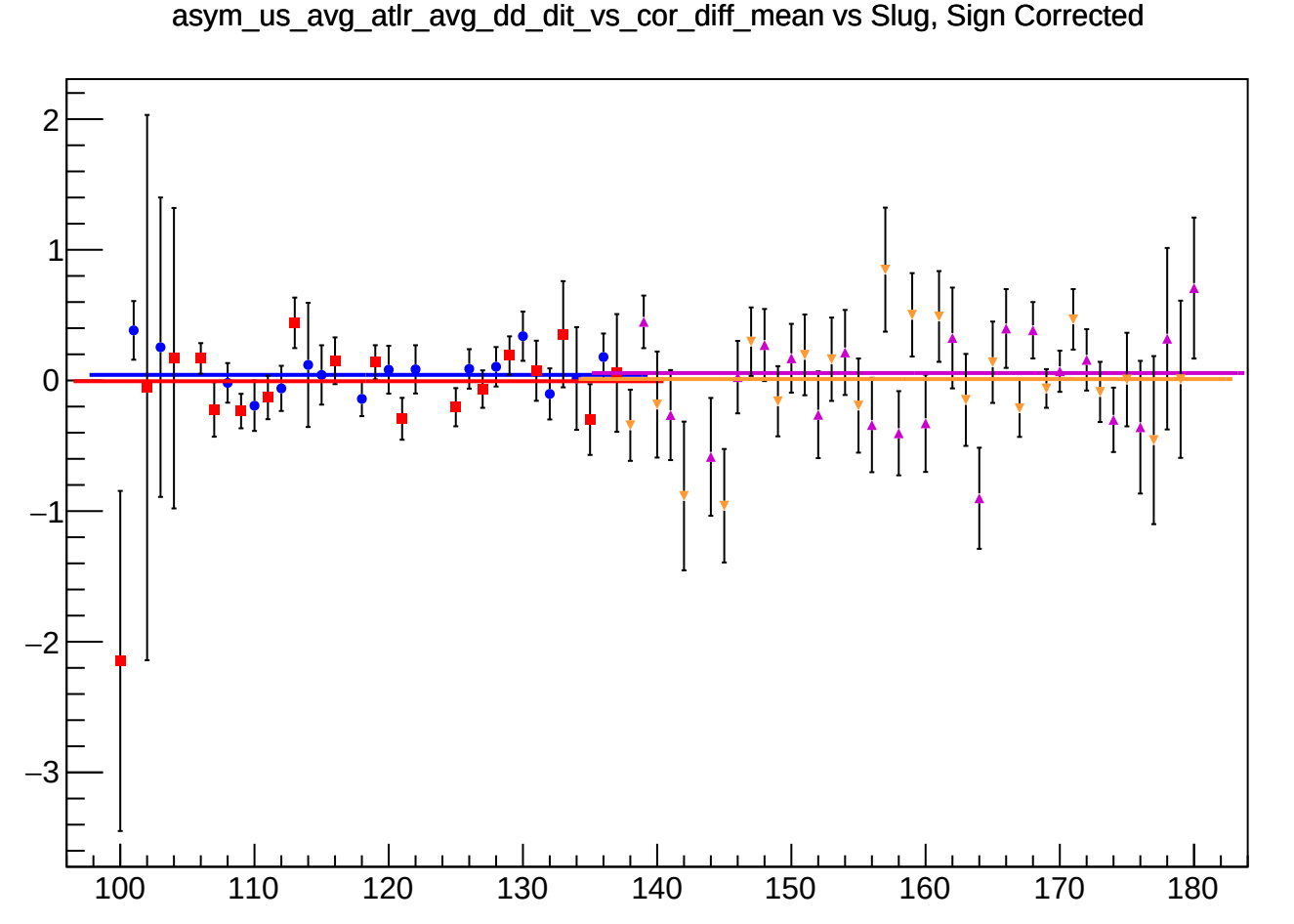
Left: 0.000+/-0.000 χ^2/NDF: 4653039.8/41

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5530139.3/36

Out: 0.000+/-0.000 χ^2/NDF:9707466.7/38

All: 0.000+/-0.000 χ^2/NDF: 17179067.6/75



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.057+/-0.063 χ^2/NDF:27.7/20

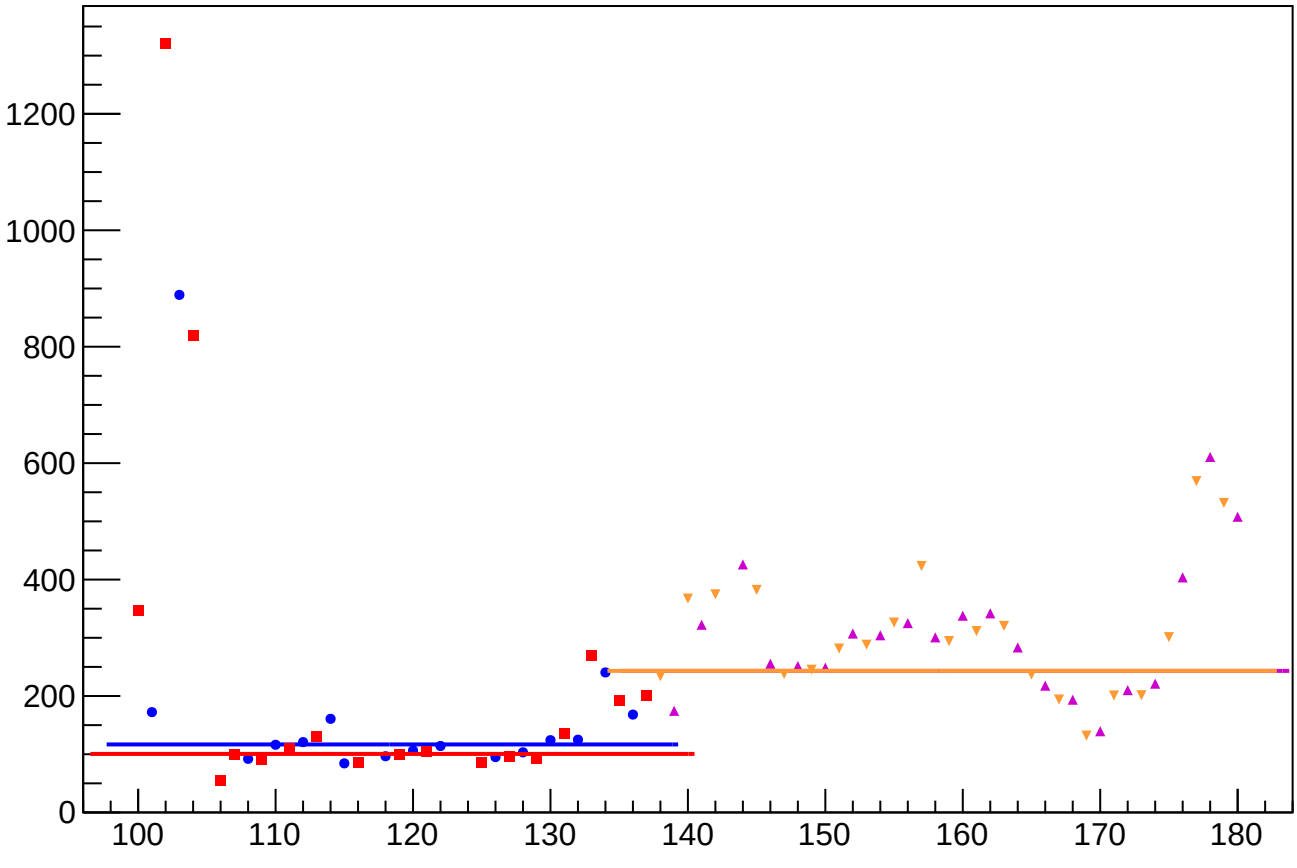
Left: 0.034+/-0.045 χ^2/NDF: 53.5/41

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.048+/-0.038 χ^2/NDF:38.0/36

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.022+/-0.026 χ^2/NDF: 90.5/75



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

Left: 243.173+/-0.032 χ^2/NDF: 7129797.5/41

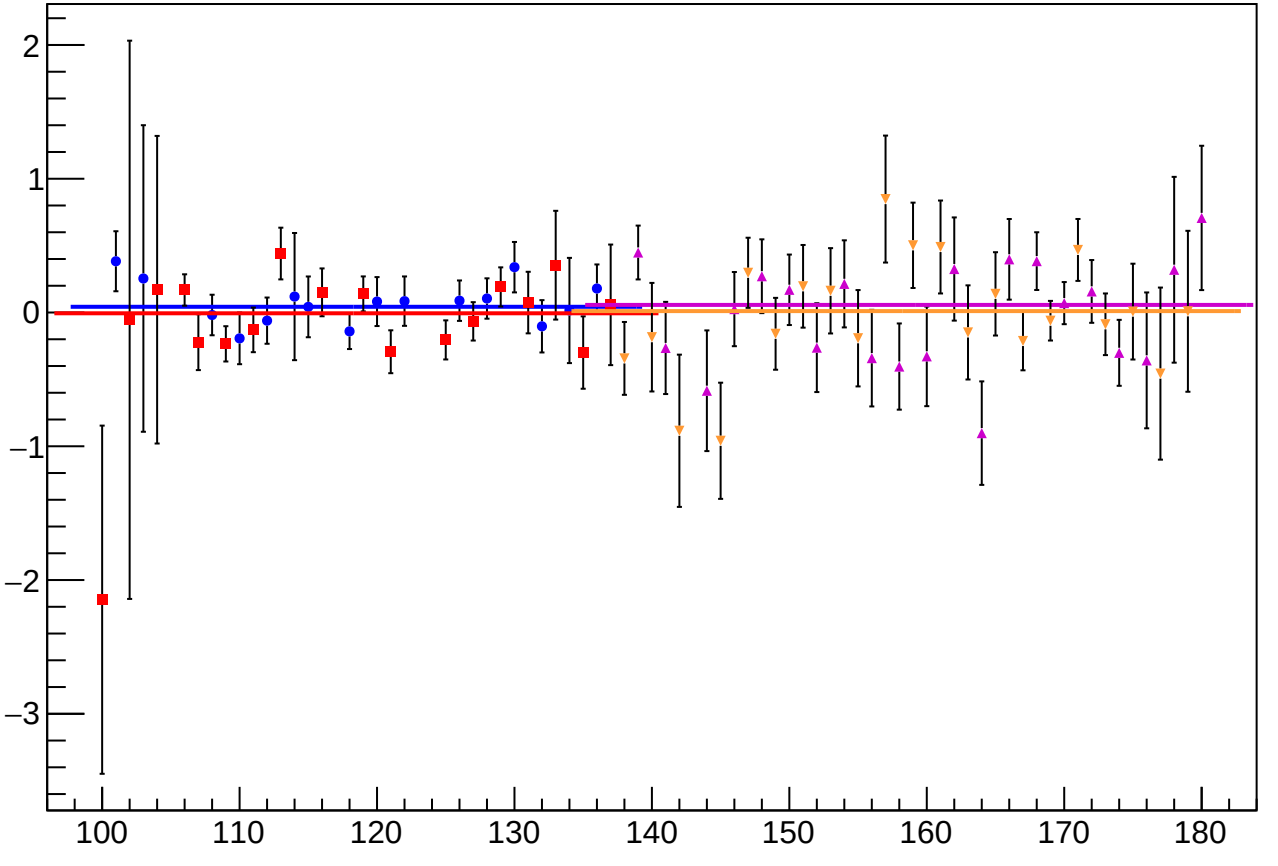
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 162.561+/-0.027 χ^2/NDF:10298702.4/36

Out: 145.199+/-0.025 χ^2/NDF:13012286.7/38

All: 153.420+/-0.018 χ^2/NDF: 23531800.6/75

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: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.057+/-0.063 χ^2/NDF:27.7/20

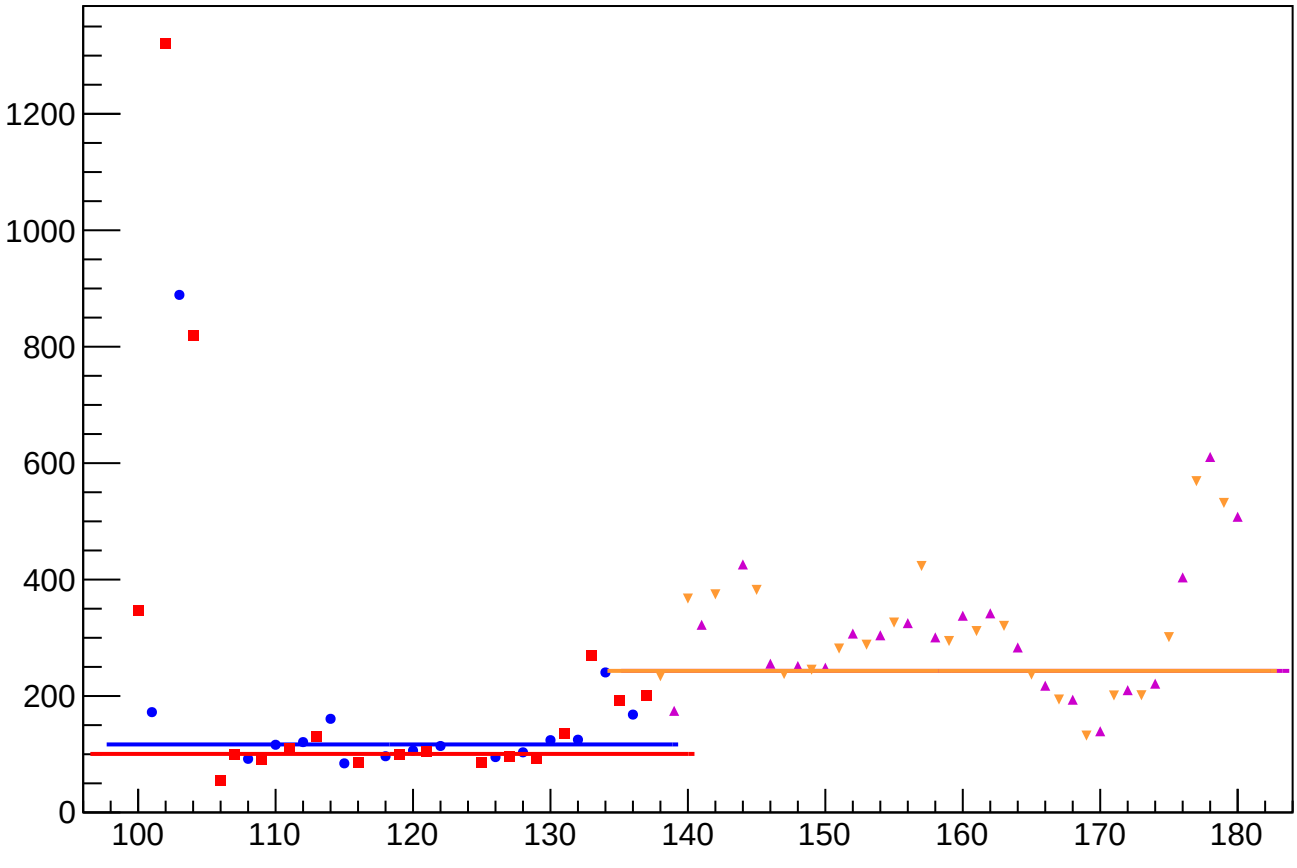
Left: 0.034+/-0.045 χ^2/NDF: 53.5/41

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.048+/-0.038 χ^2/NDF:38.0/36

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.022+/-0.026 χ^2/NDF: 90.5/75



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.153+/-0.045 χ^2/NDF:3551418.6/20

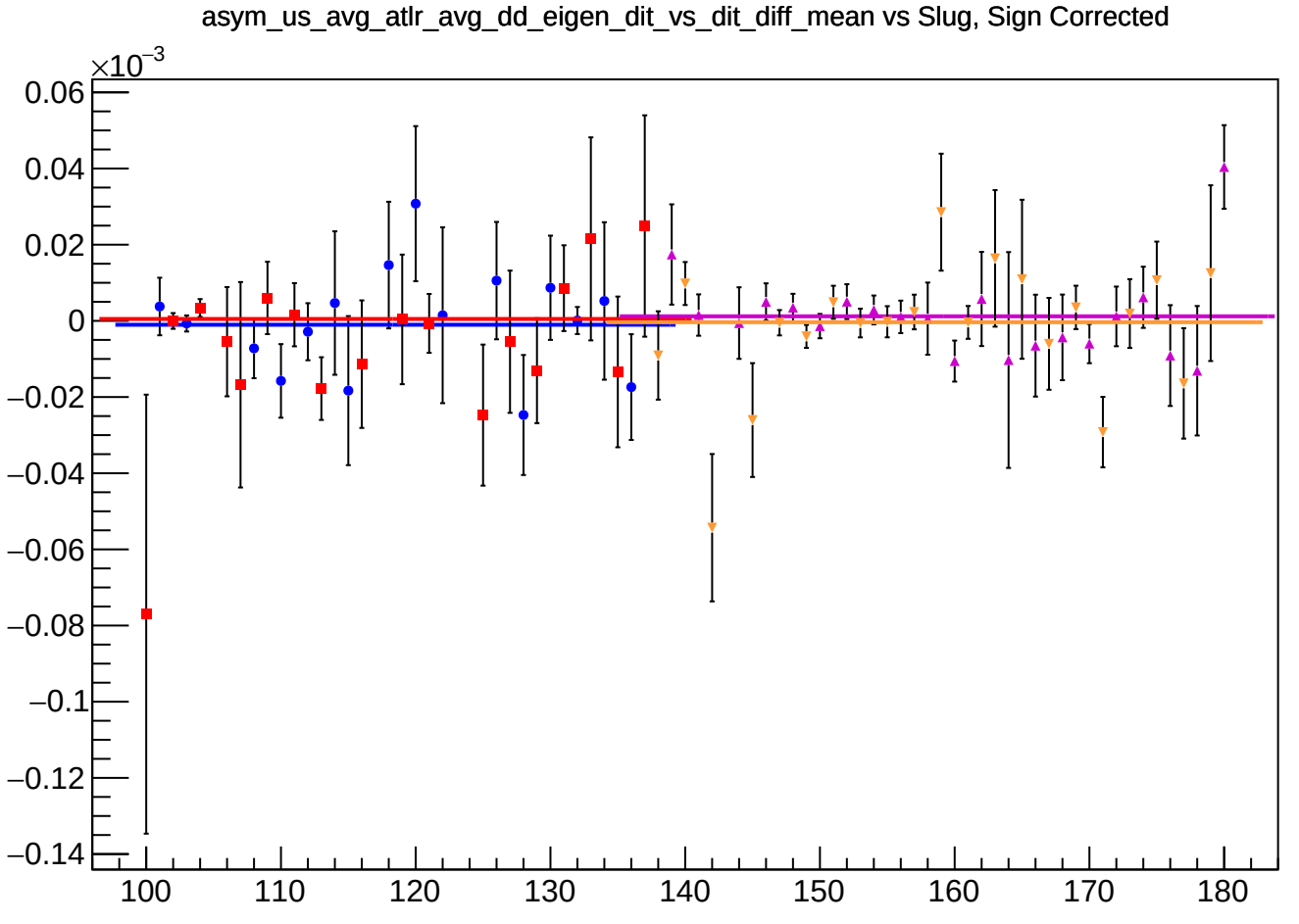
Left: 243.173+/-0.032 χ^2/NDF: 7129797.5/41

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 162.561+/-0.027 χ^2/NDF:10298702.4/36

Out: 145.199+/-0.025 χ^2/NDF:13012286.7/38

All: 153.420+/-0.018 χ^2/NDF: 23531800.6/75



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/20

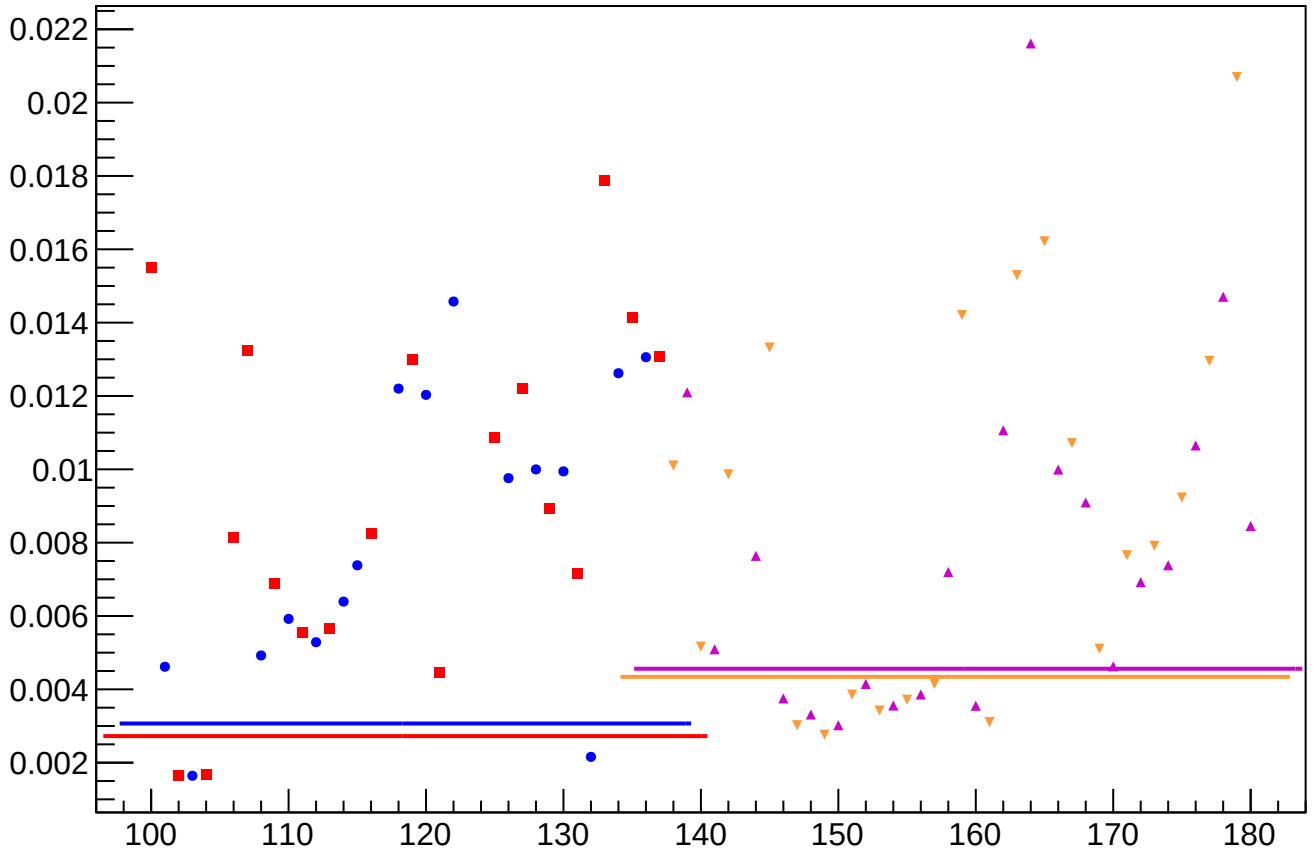
Left: 0.000+/-0.000 χ^2/NDF: 62.7/41

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:39.9/36

Out: 0.000+/-0.000 χ^2/NDF:51.1/38

All: 0.000+/-0.000 χ^2/NDF: 91.0/75



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:8205235.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.005+/-0.000 χ^2/NDF:5830634.9/20

Left: 0.004+/-0.000 χ^2/NDF: 14065428.3/41

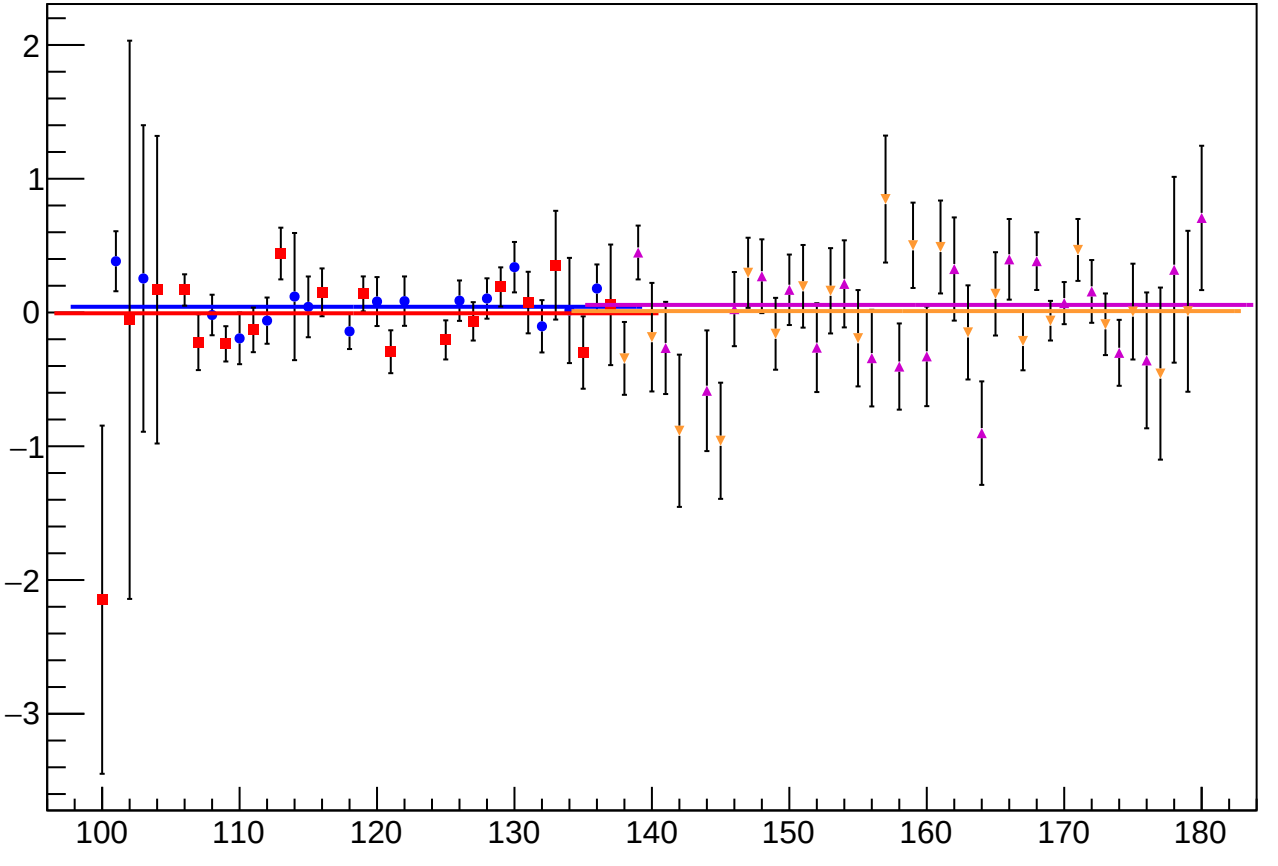
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:12860624.0/36

Out: 0.004+/-0.000 χ^2/NDF:16385189.4/38

All: 0.004+/-0.000 χ^2/NDF: 29376858.9/75

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: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.057+/-0.063 χ^2/NDF:27.7/20

Left: 0.034+/-0.045 χ^2/NDF: 53.5/41

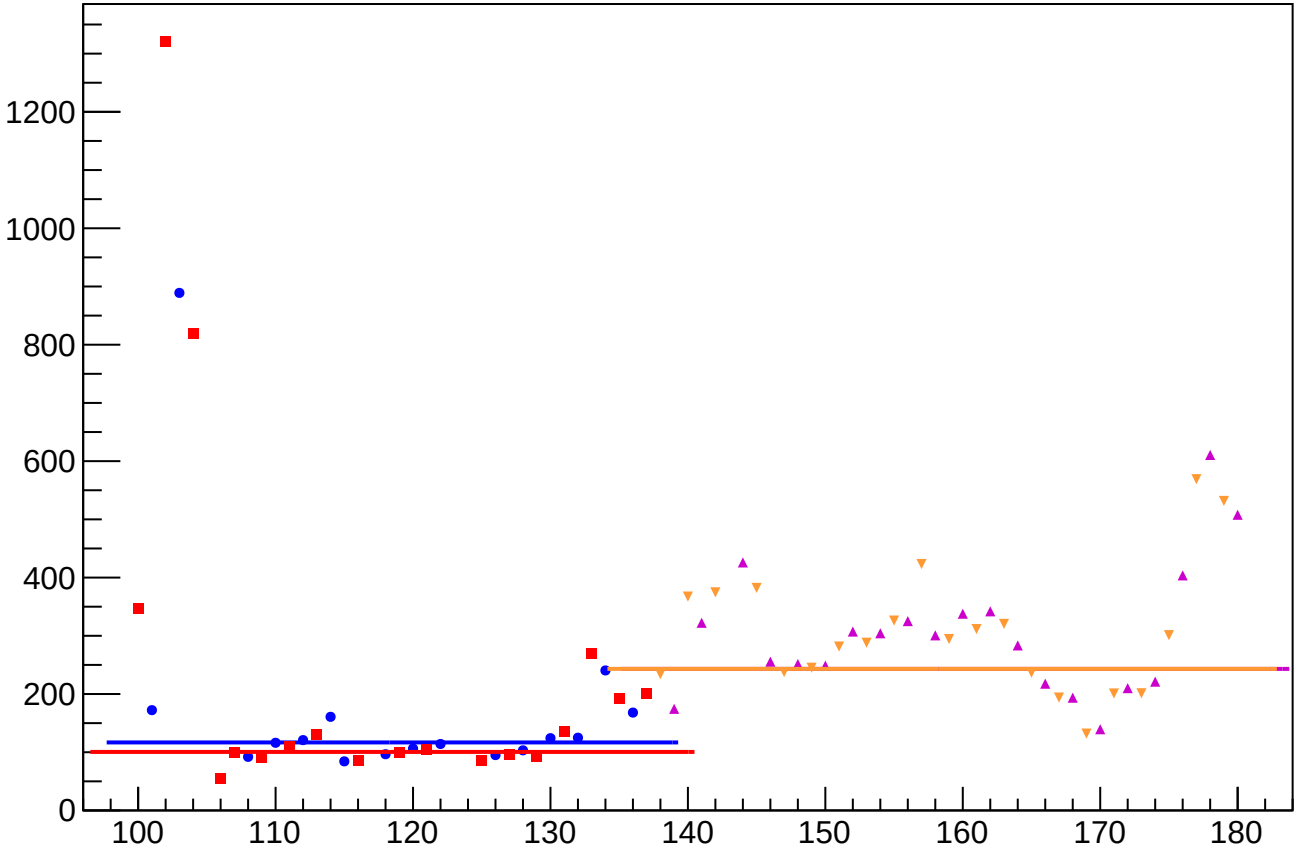
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.048+/-0.038 χ^2/NDF:38.0/36

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.022+/-0.026 χ^2/NDF: 90.5/75

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: 243.194+/-0.045 χ^2/NDF:3578530.3/20

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.154+/-0.045 χ^2/NDF:3551480.9/20

Left: 243.174+/-0.032 χ^2/NDF: 7130011.6/41

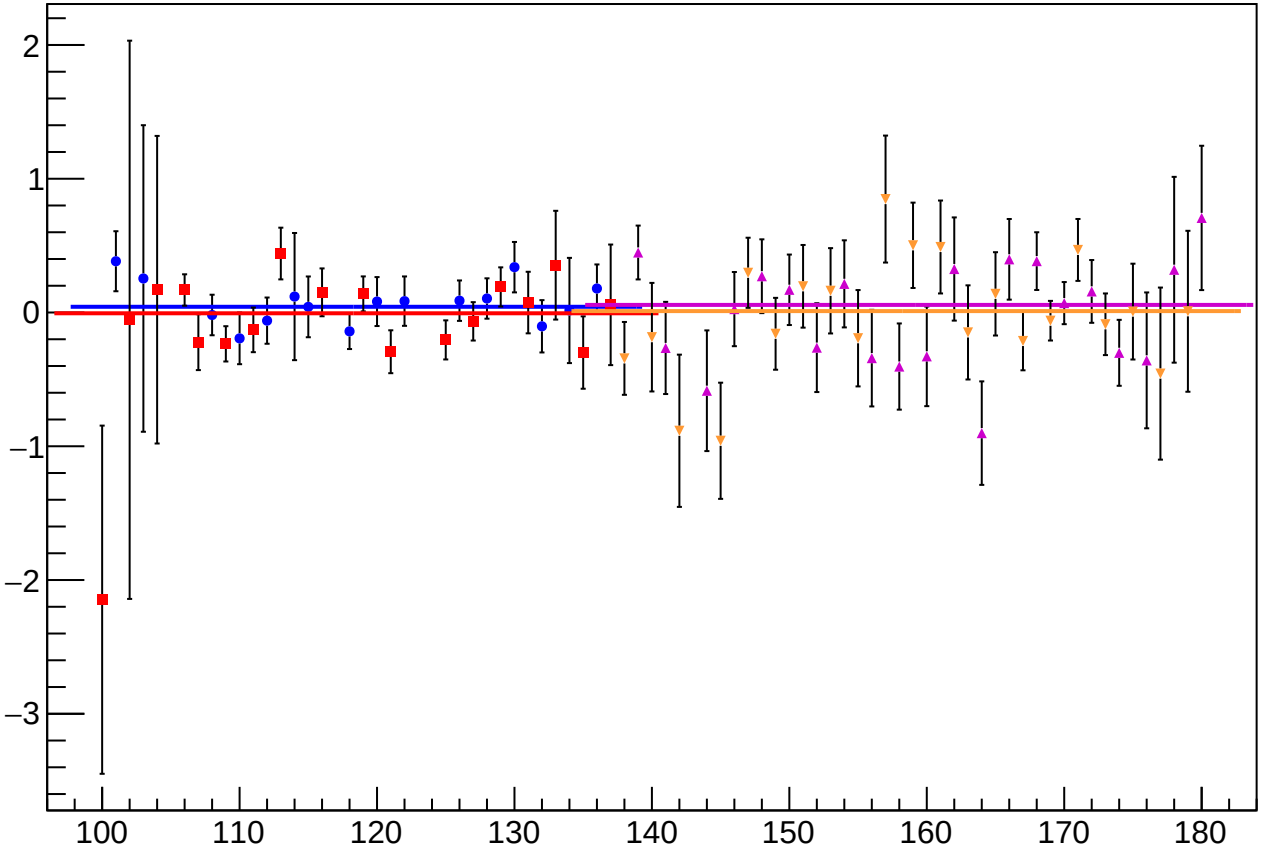
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 162.561+/-0.027 χ^2/NDF:10298850.4/36

Out: 145.198+/-0.025 χ^2/NDF:13012620.4/38

All: 153.419+/-0.018 χ^2/NDF: 23532312.4/75

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: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.057+/-0.063 χ^2/NDF:27.7/20

Left: 0.034+/-0.045 χ^2/NDF: 53.5/41

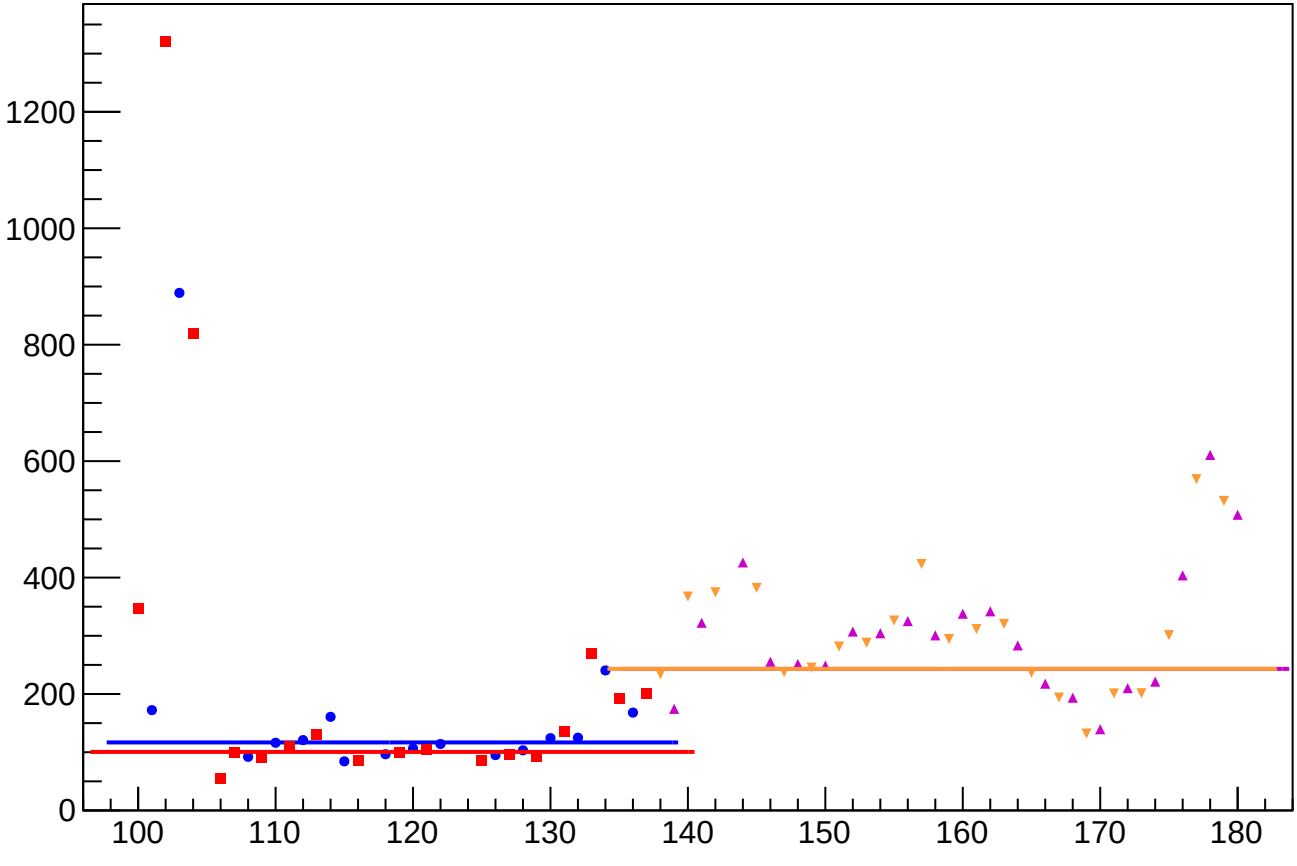
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.048+/-0.038 χ^2/NDF:38.0/36

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.022+/-0.026 χ^2/NDF: 90.5/75

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: 243.194+/-0.045 χ^2/NDF:3578530.3/20

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.154+/-0.045 χ^2/NDF:3551480.9/20

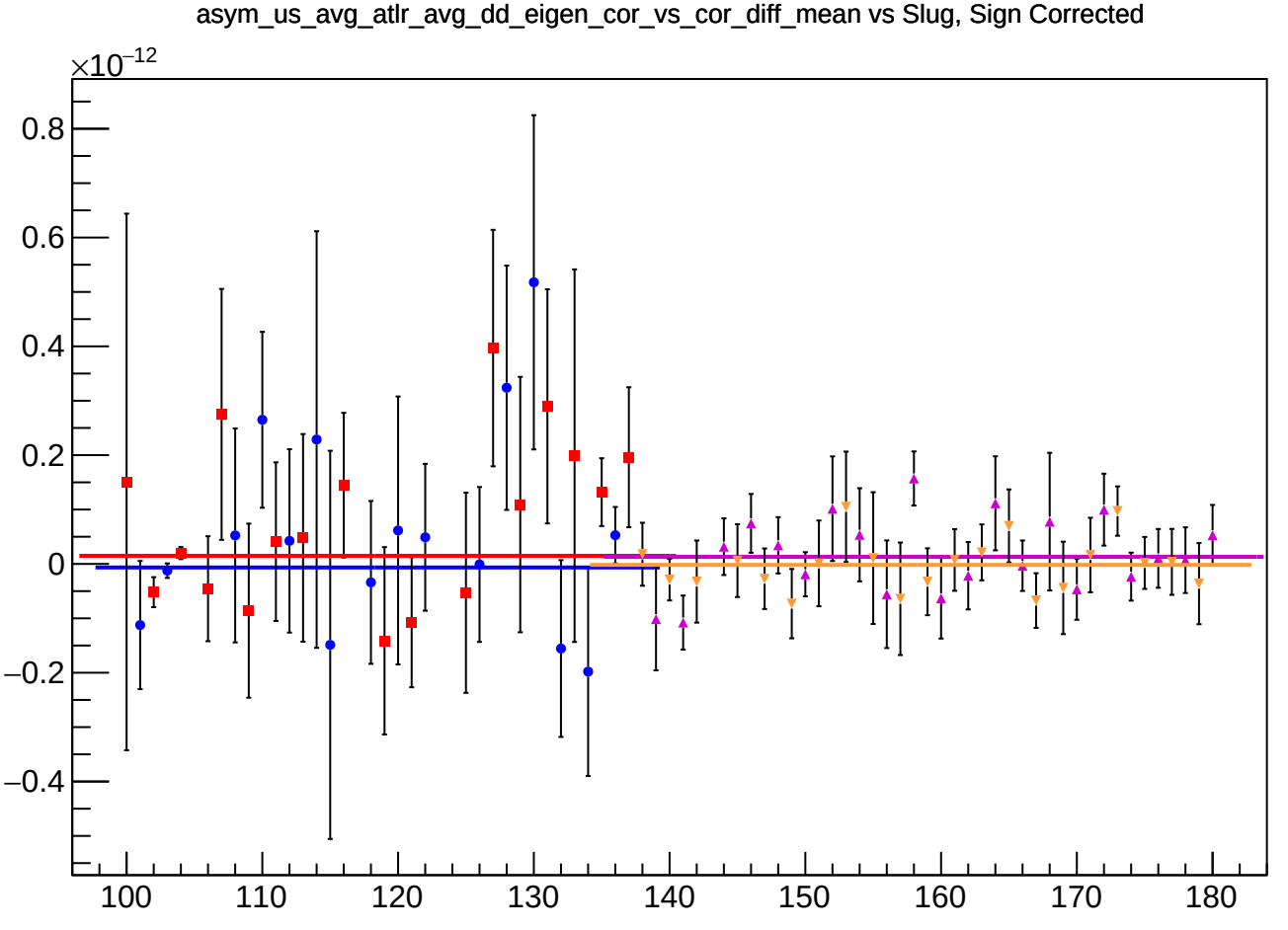
Left: 243.174+/-0.032 χ^2/NDF: 7130011.6/41

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 162.561+/-0.027 χ^2/NDF:10298850.4/36

Out: 145.198+/-0.025 χ^2/NDF:13012620.4/38

All: 153.419+/-0.018 χ^2/NDF: 23532312.4/75



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.7/20

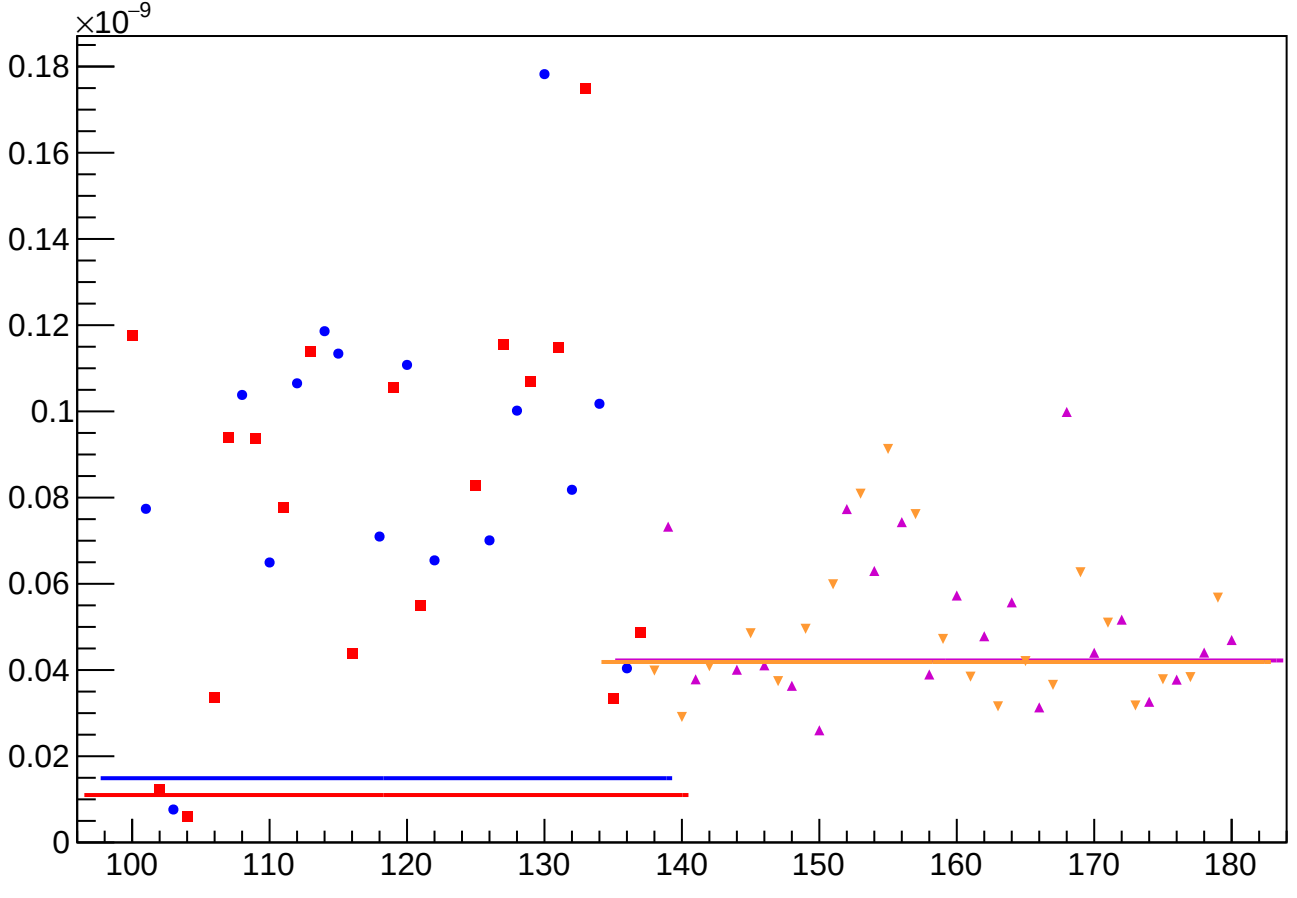
Left: 0.000+/-0.000 χ^2/NDF: 39.7/41

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.9/36

Out: 0.000+/-0.000 χ^2/NDF:35.3/38

All: 0.000+/-0.000 χ^2/NDF: 76.4/75



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1720669.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2025478.3/20

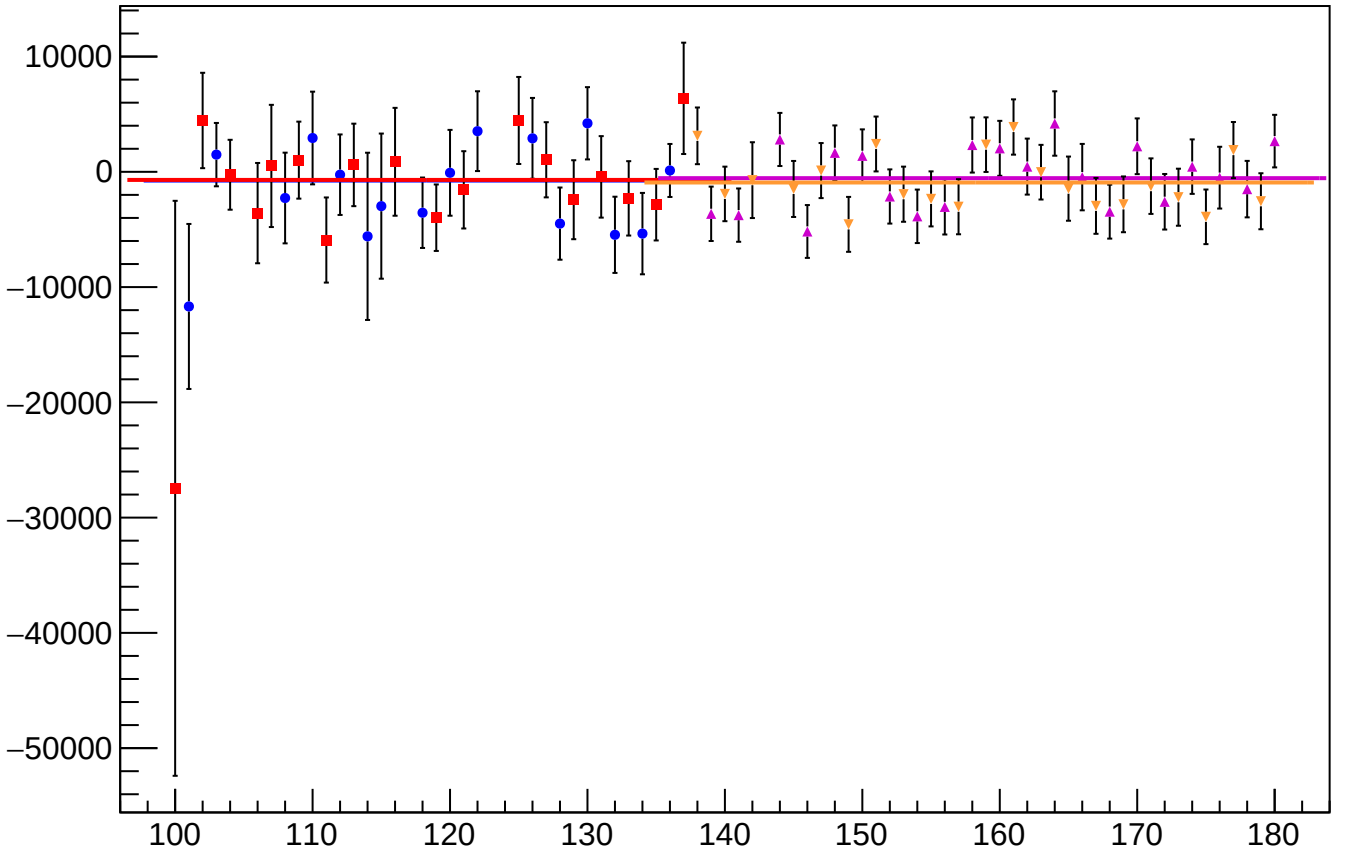
Left: 0.000+/-0.000 χ^2/NDF: 3746882.7/41

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:12575276.9/36

Out: 0.000+/-0.000 χ^2/NDF:14541121.0/38

All: 0.000+/-0.000 χ^2/NDF: 27647803.9/75



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -925.196+/-533.679 χ^2/NDF:19.8/20

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -549.265+/-525.209 χ^2/NDF:26.5/20

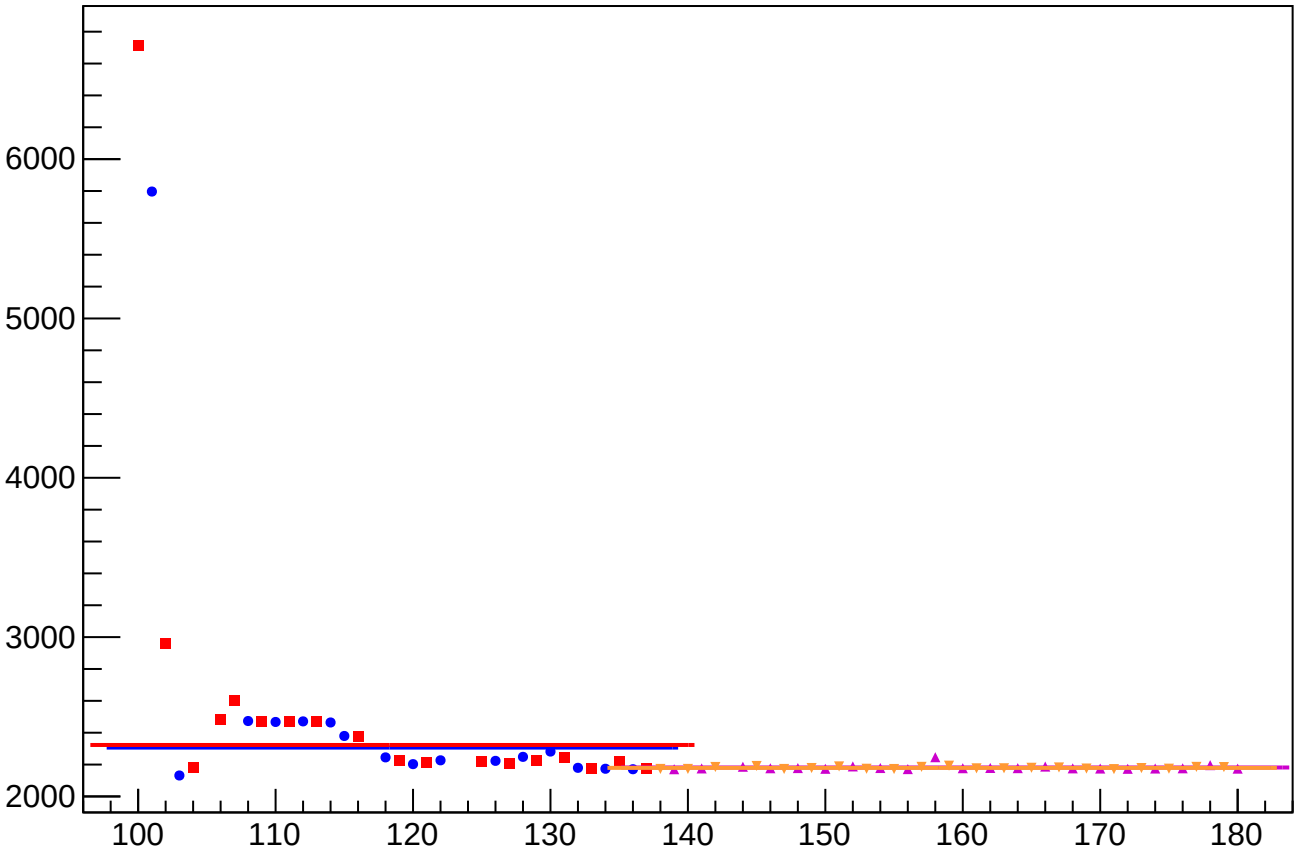
Left: -734.223+/-374.337 χ^2/NDF: 46.6/41

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -603.783+/-449.994 χ^2/NDF:42.5/36

Out: -864.088+/-454.716 χ^2/NDF:32.2/38

All: -732.577+/-319.850 χ^2/NDF: 74.9/75



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.283+/-0.377 χ^2/NDF:305.5/20

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

Left: 2180.492+/-0.265 χ^2/NDF: 2125.1/41

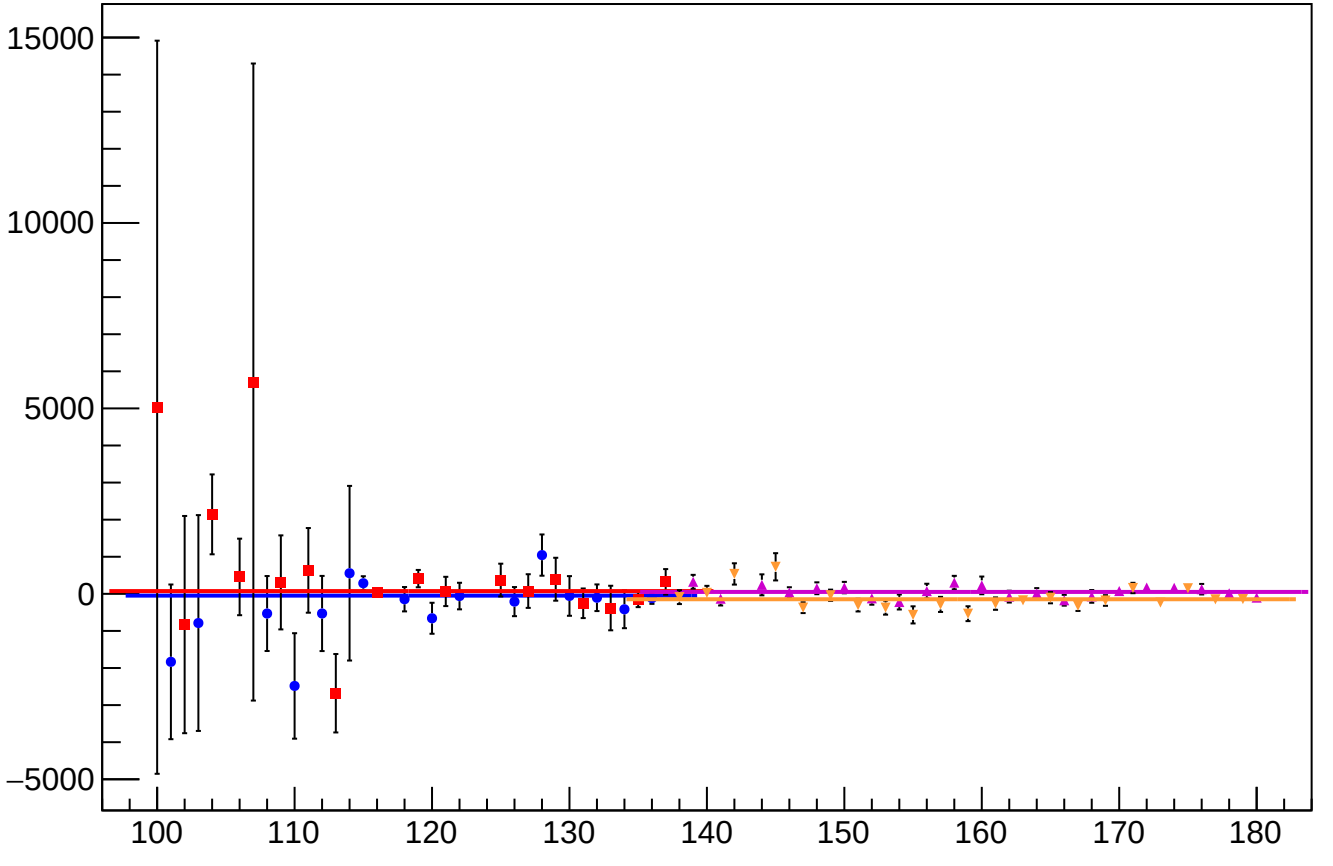
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2214.895+/-0.318 χ^2/NDF:546065.3/36

Out: 2218.669+/-0.322 χ^2/NDF:191843.0/38

All: 2216.762+/-0.226 χ^2/NDF: 737977.8/75

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.726+/-33.962 χ^2/NDF:39.4/20

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 51.530+/-32.709 χ^2/NDF:17.9/20

Left: -43.394+/-23.559 χ^2/NDF: 74.8/41

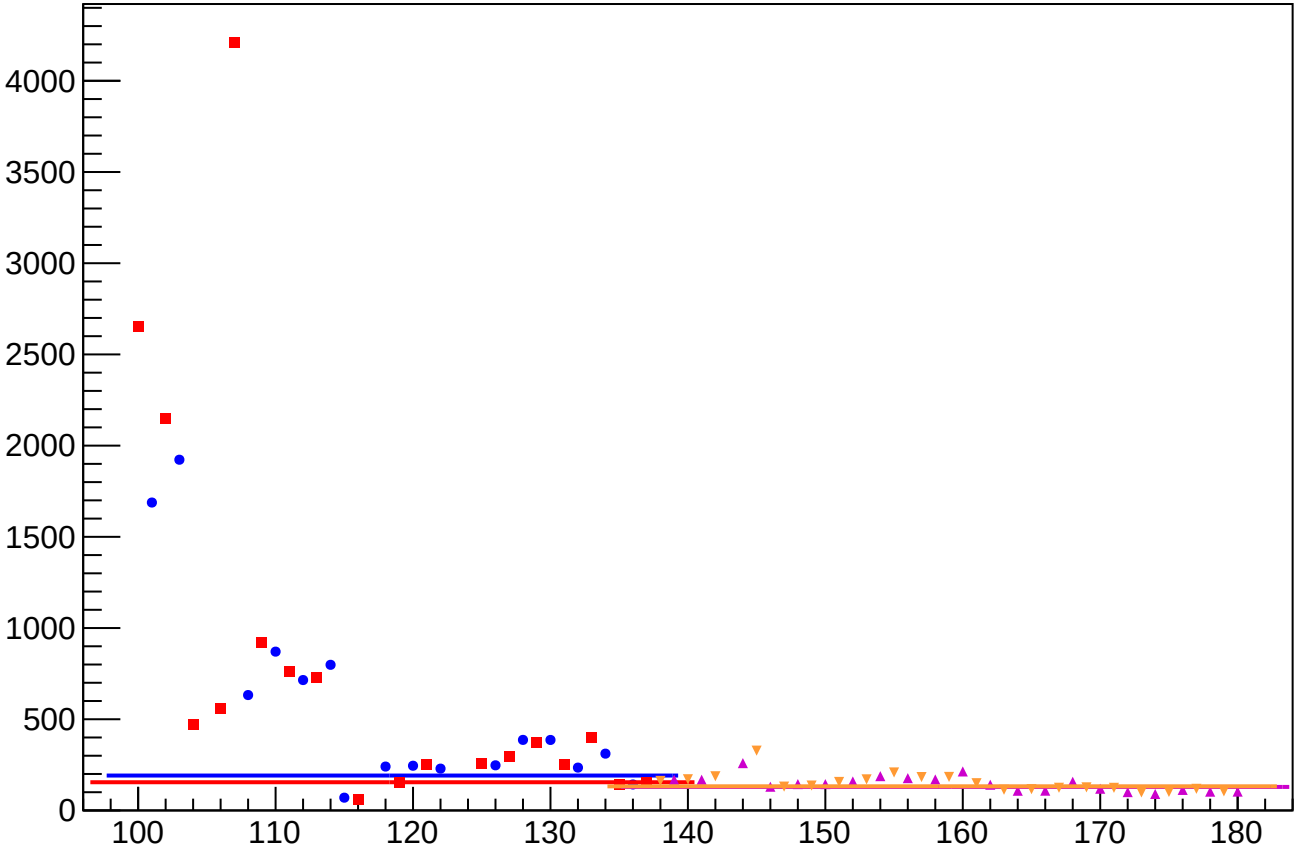
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 40.132+/-30.778 χ^2/NDF:33.4/36

Out: -113.781+/-31.398 χ^2/NDF:63.1/38

All: -35.289+/-21.979 χ^2/NDF: 108.7/75

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: 132.239+/-0.024 χ^2/NDF:1921098.6/20

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 128.979+/-0.023 χ^2/NDF:2152871.7/20

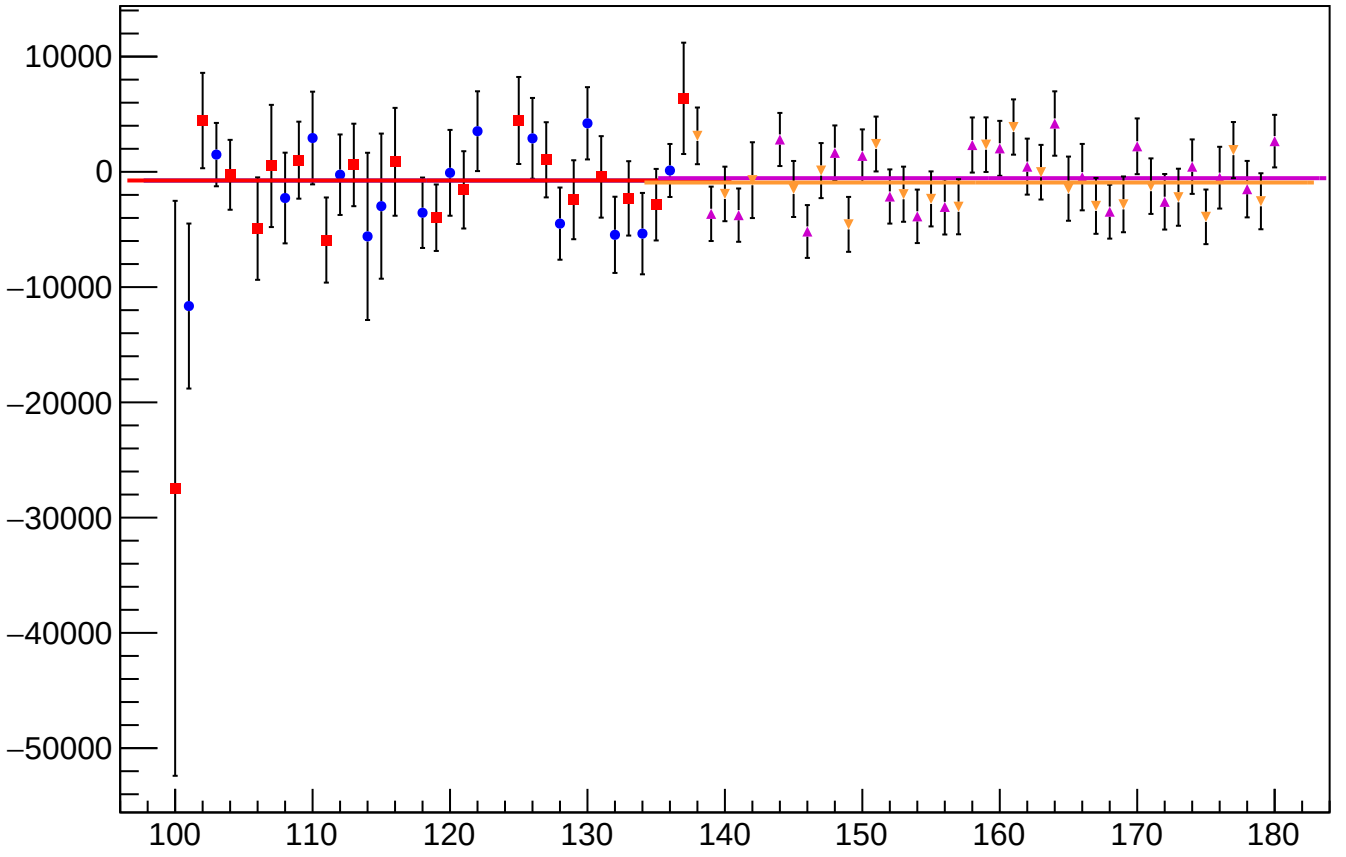
Left: 130.548+/-0.017 χ^2/NDF: 4083526.9/41

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 136.131+/-0.022 χ^2/NDF:8051855.3/36

Out: 135.498+/-0.022 χ^2/NDF:8202193.5/38

All: 135.821+/-0.016 χ^2/NDF: 16254463.4/75



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -925.162+/-533.679 χ^2/NDF:19.8/20

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -549.256+/-525.209 χ^2/NDF:26.6/20

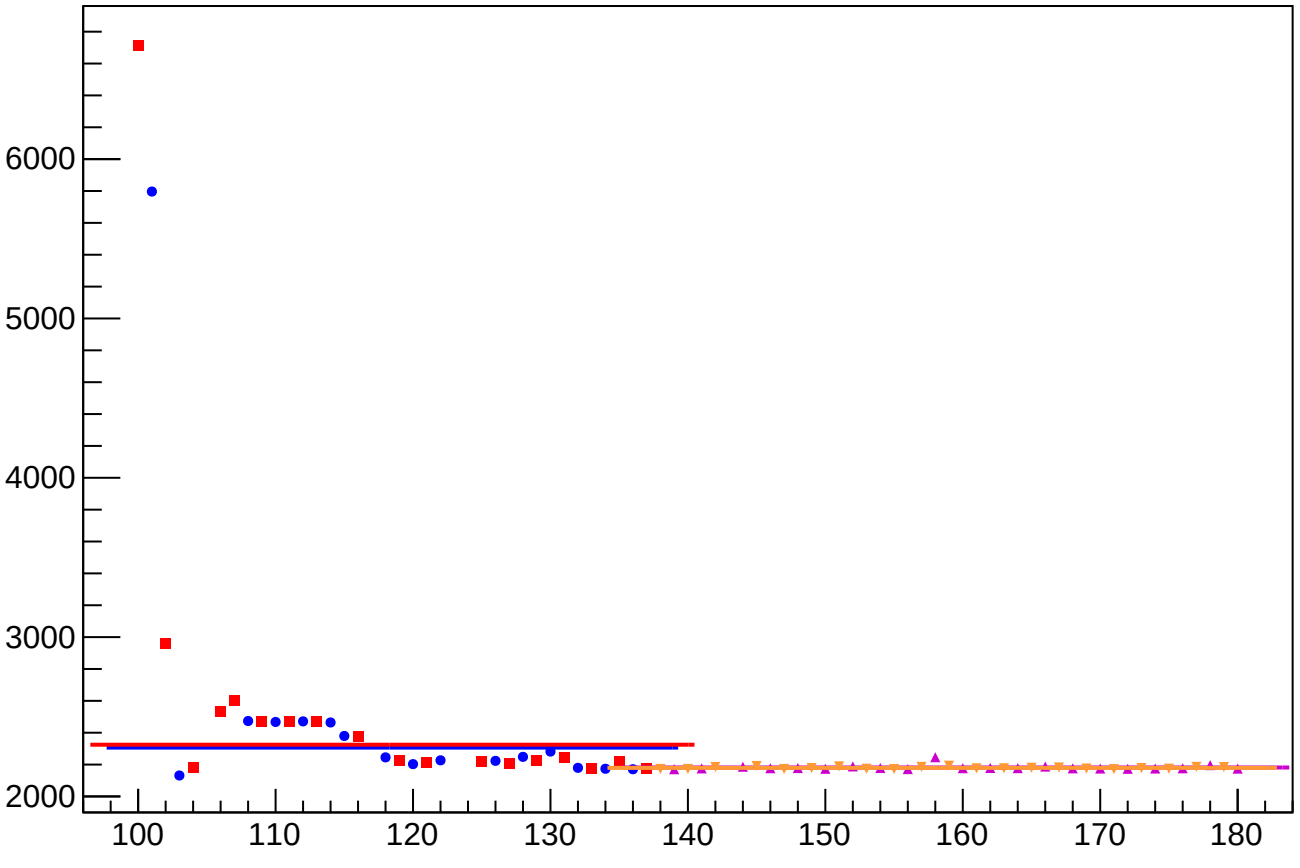
Left: -734.202+/-374.337 χ^2/NDF: 46.6/41

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -603.519+/-449.994 χ^2/NDF:42.5/36

Out: -877.034+/-454.819 χ^2/NDF:32.7/38

All: -738.818+/-319.886 χ^2/NDF: 75.3/75



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

Left: 2180.492+/-0.265 χ^2/NDF: 2125.1/41

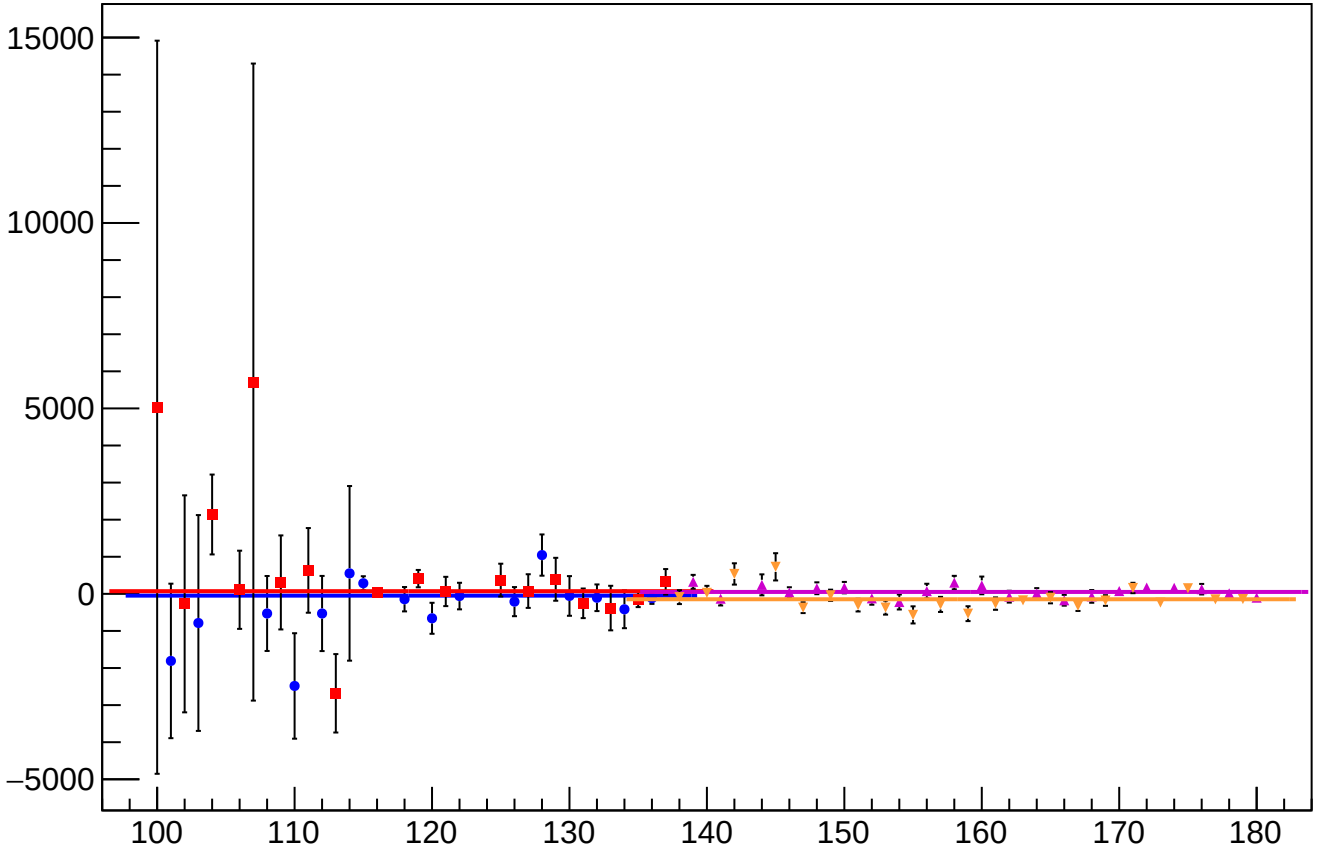
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2214.895+/-0.318 χ^2/NDF:546065.6/36

Out: 2219.080+/-0.322 χ^2/NDF:194517.0/38

All: 2216.965+/-0.226 χ^2/NDF: 740668.2/75

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 51.430+/-32.712 χ^2/NDF:18.0/20

Left: -43.404+/-23.561 χ^2/NDF: 74.8/41

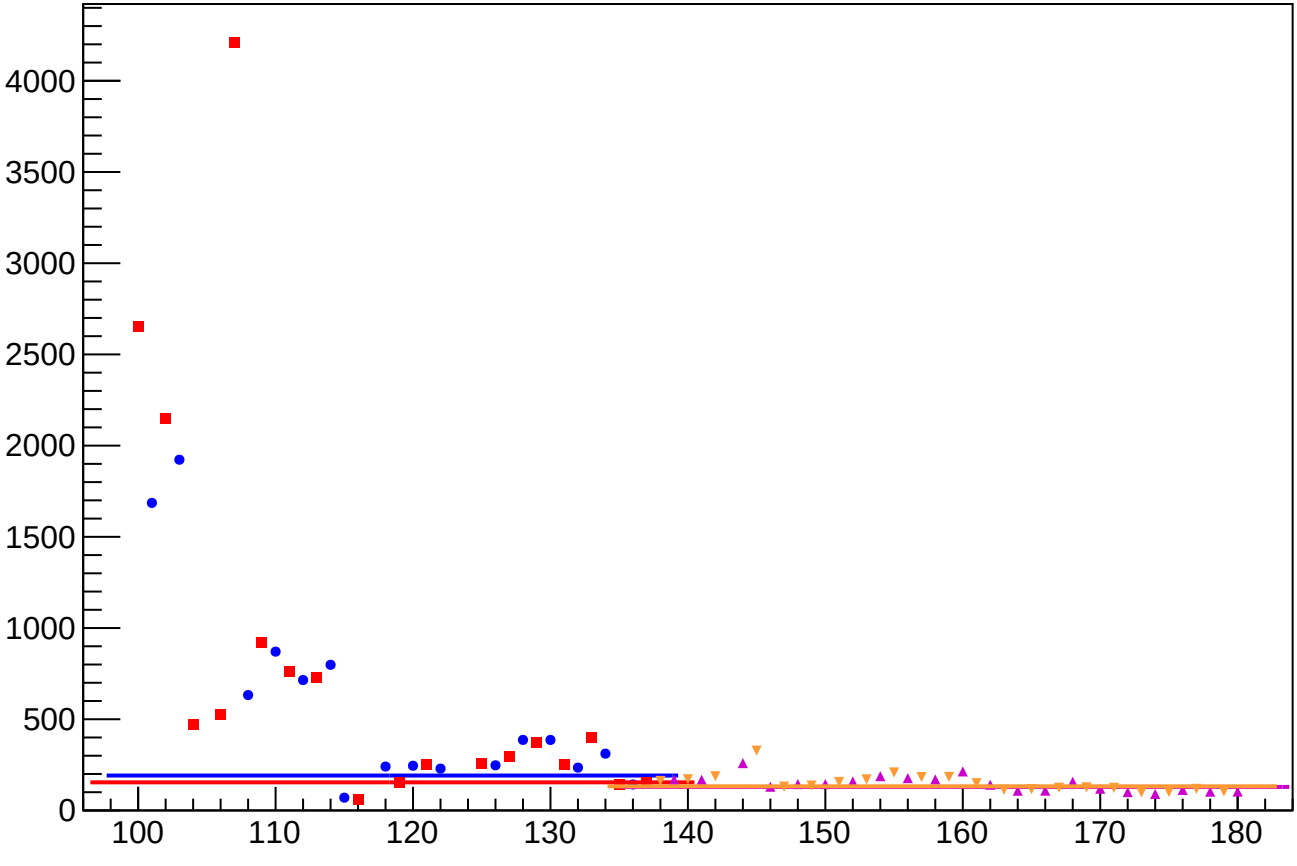
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 40.039+/-30.781 χ^2/NDF:33.4/36

Out: -113.943+/-31.396 χ^2/NDF:62.8/38

All: -35.430+/-21.979 χ^2/NDF: 108.4/75

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: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

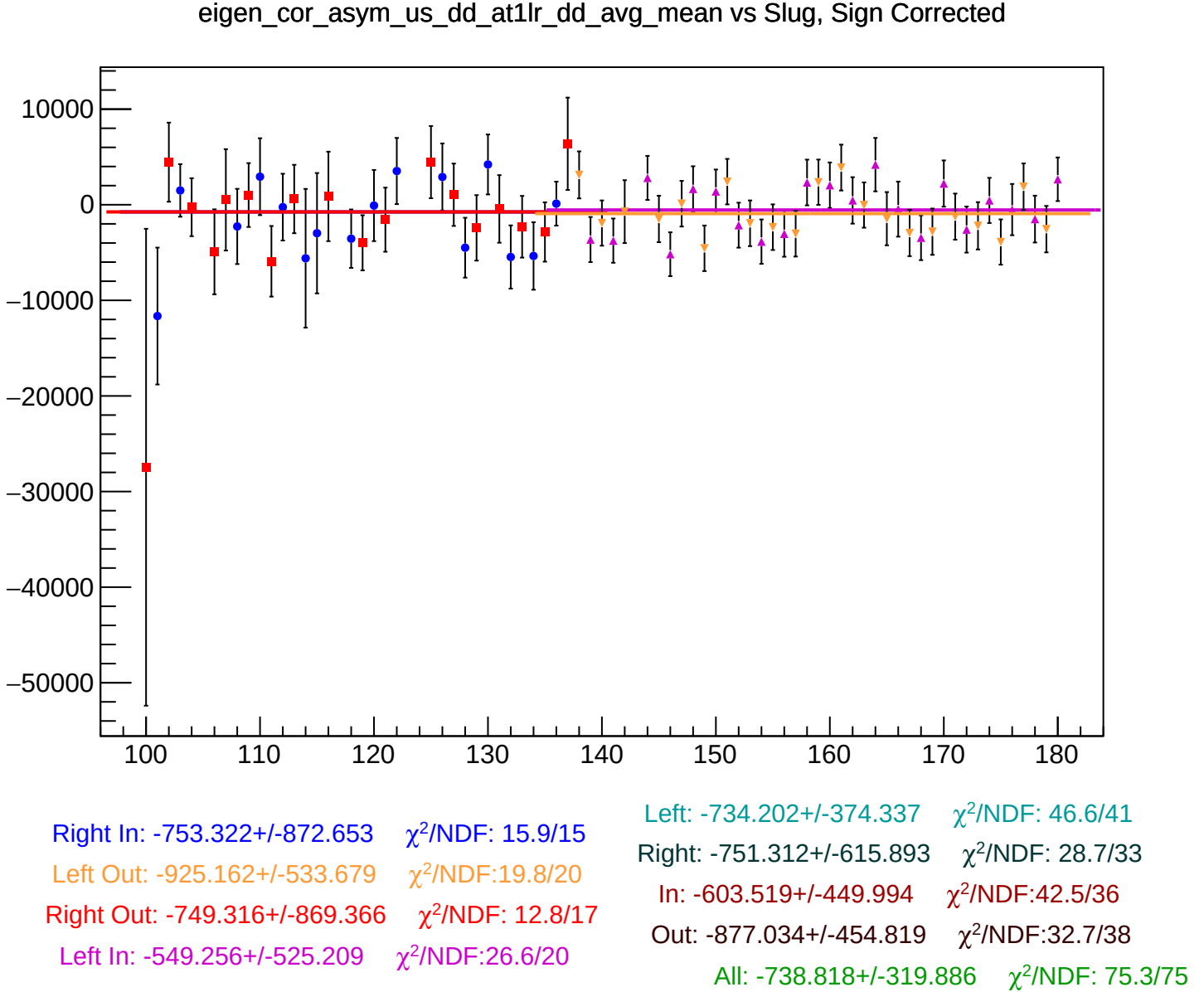
Left: 130.557+/-0.017 χ^2/NDF: 4082918.8/41

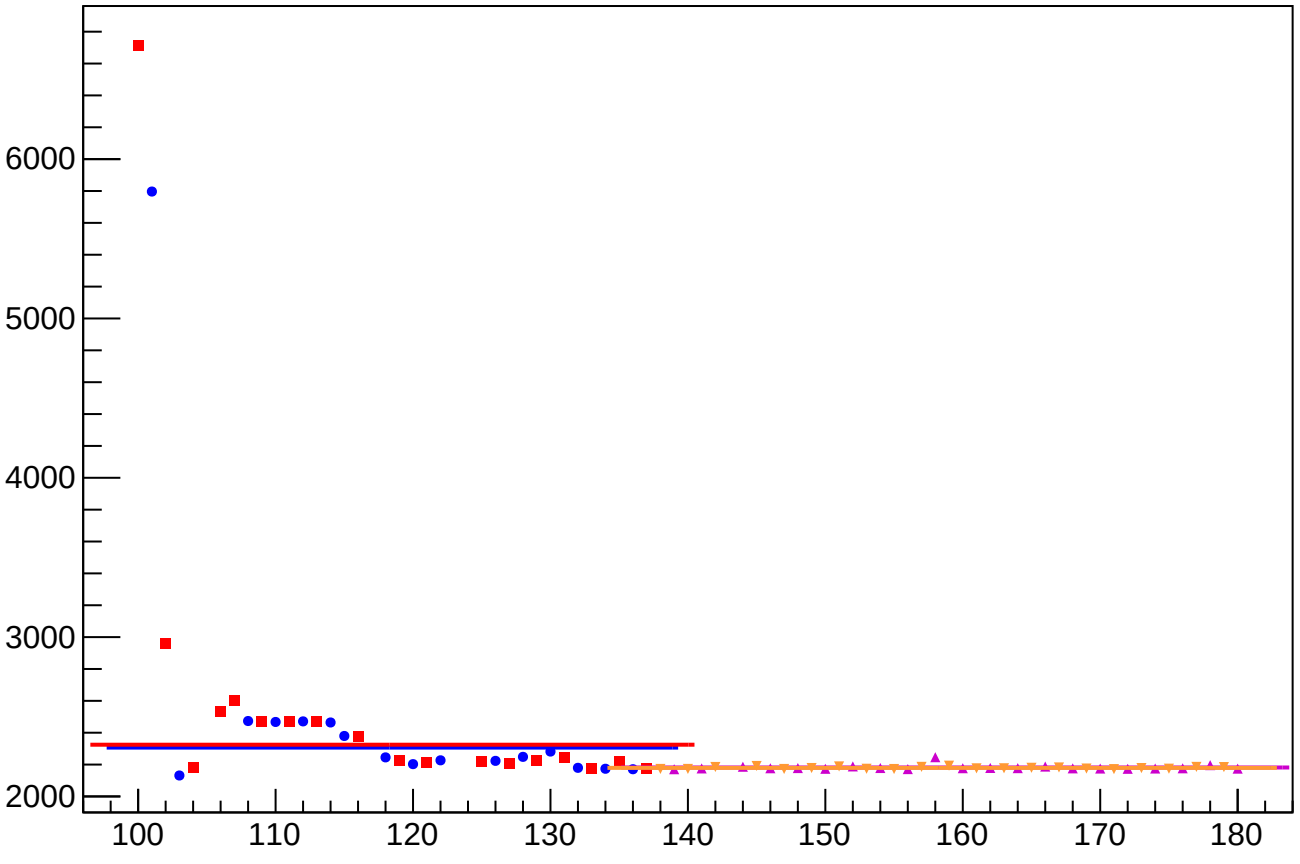
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.147+/-0.022 χ^2/NDF:8050658.0/36

Out: 135.424+/-0.022 χ^2/NDF:8150148.9/38

All: 135.793+/-0.016 χ^2/NDF: 16201347.7/75


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -925.162+/-533.679 χ²/NDF:19.8/20
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -549.256+/-525.209 χ²/NDF:26.6/20
Left: -734.202+/-374.337 χ²/NDF: 46.6/41
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -603.519+/-449.994 χ²/NDF:42.5/36
Out: -877.034+/-454.819 χ²/NDF:32.7/38
All: -738.818+/-319.886 χ²/NDF: 75.3/75



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.662+/-0.371 χ^2/NDF:1799.5/20

Left: 2180.492+/-0.265 χ^2/NDF: 2125.1/41

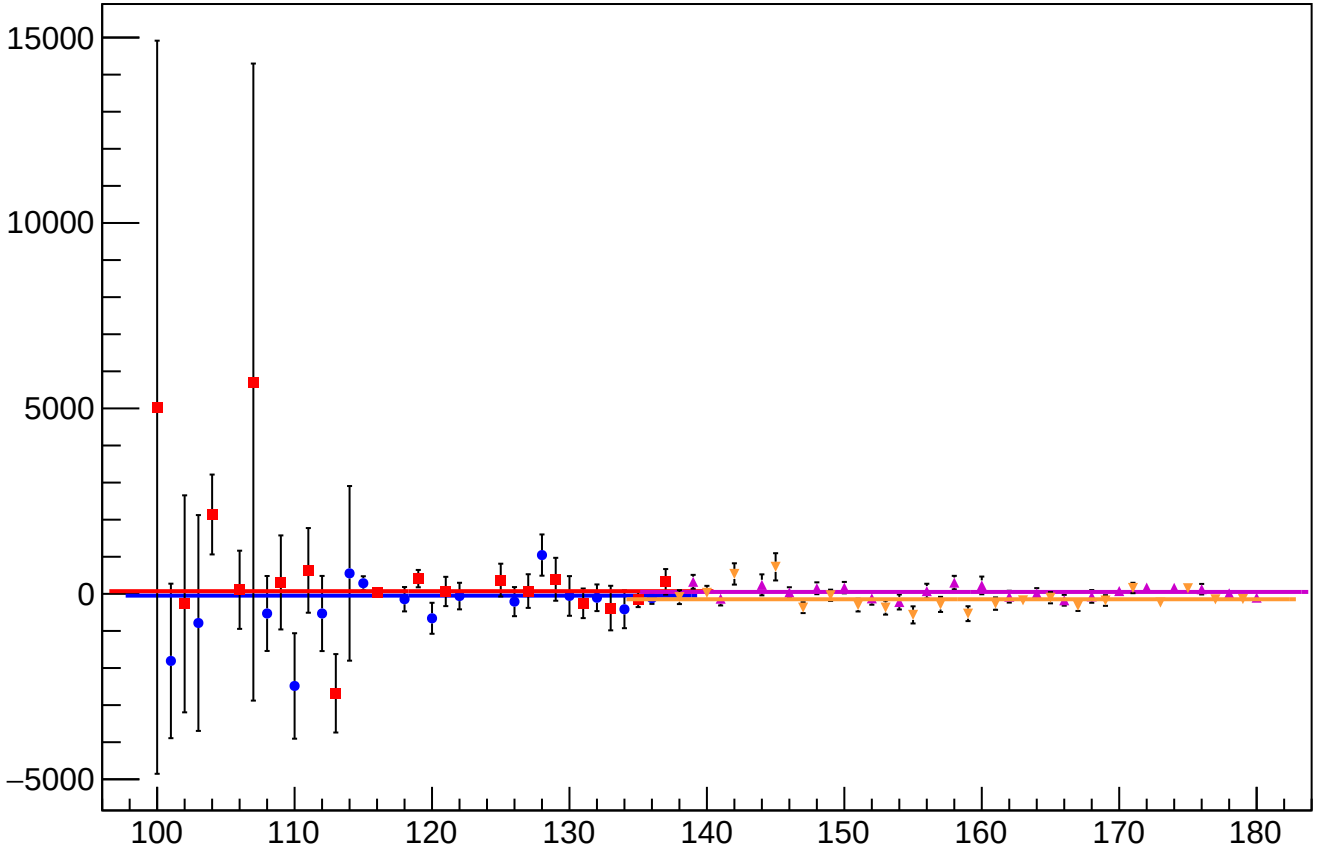
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2214.895+/-0.318 χ^2/NDF:546065.6/36

Out: 2219.080+/-0.322 χ^2/NDF:194517.0/38

All: 2216.965+/-0.226 χ^2/NDF: 740668.2/75

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 51.430+/-32.712 χ^2/NDF:18.0/20

Left: -43.404+/-23.561 χ^2/NDF: 74.8/41

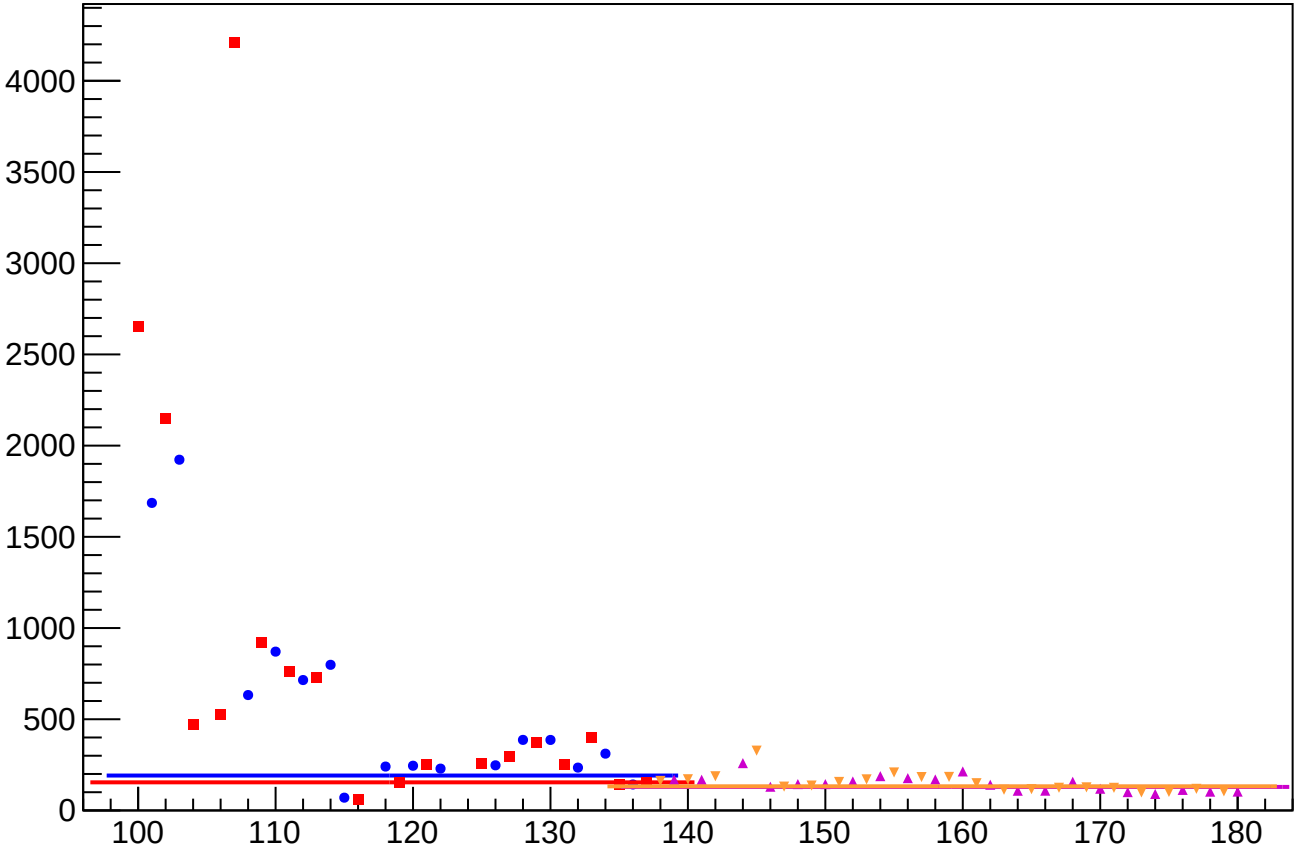
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 40.039+/-30.781 χ^2/NDF:33.4/36

Out: -113.943+/-31.396 χ^2/NDF:62.8/38

All: -35.430+/-21.979 χ^2/NDF: 108.4/75

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: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 128.994+/-0.023 χ^2/NDF:2152670.4/20

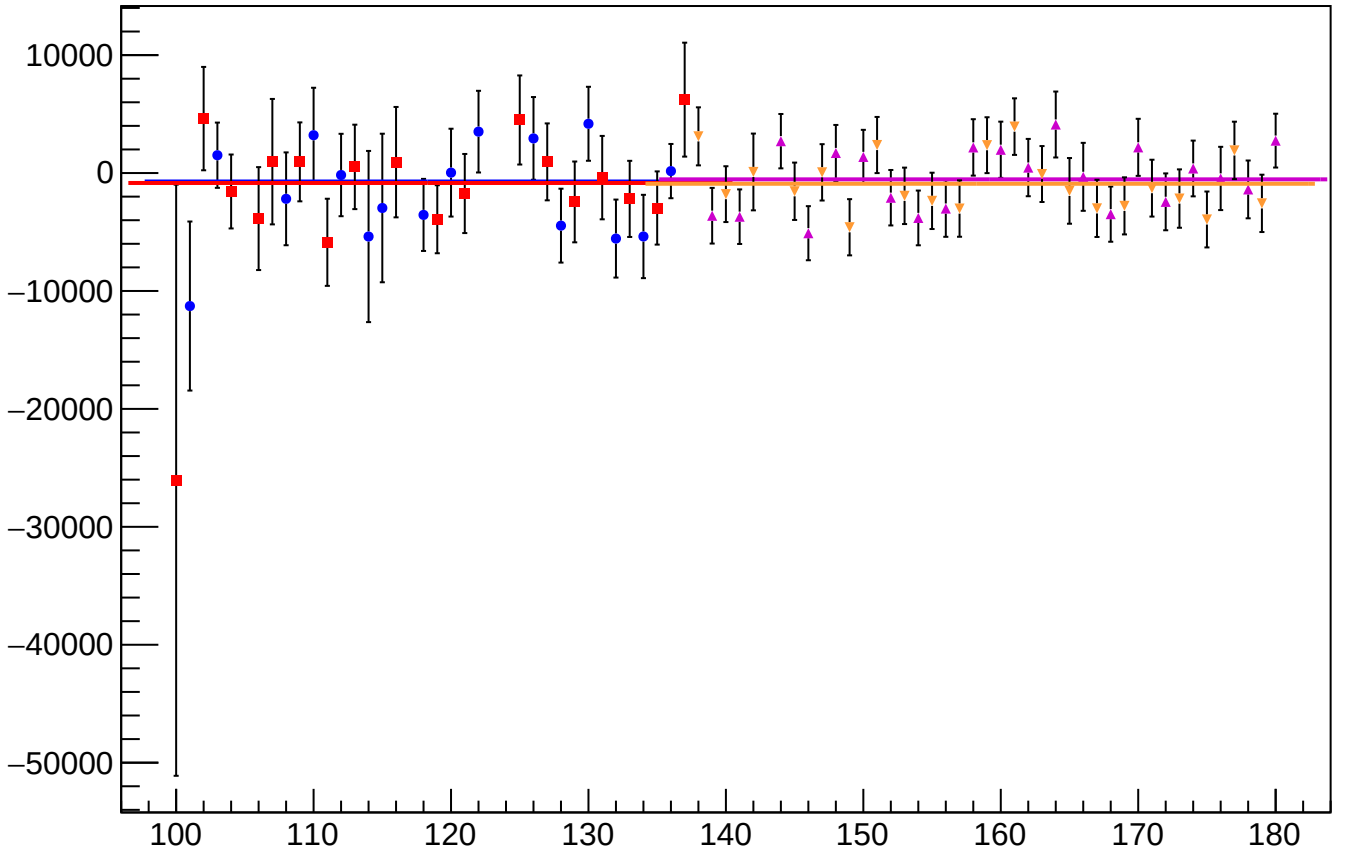
Left: 130.557+/-0.017 χ^2/NDF: 4082918.8/41

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 136.147+/-0.022 χ^2/NDF:8050658.0/36

Out: 135.424+/-0.022 χ^2/NDF:8150148.9/38

All: 135.793+/-0.016 χ^2/NDF: 16201347.7/75



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.460+/-533.721 χ^2/NDF:20.0/20

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -534.780+/-525.412 χ^2/NDF:25.7/20

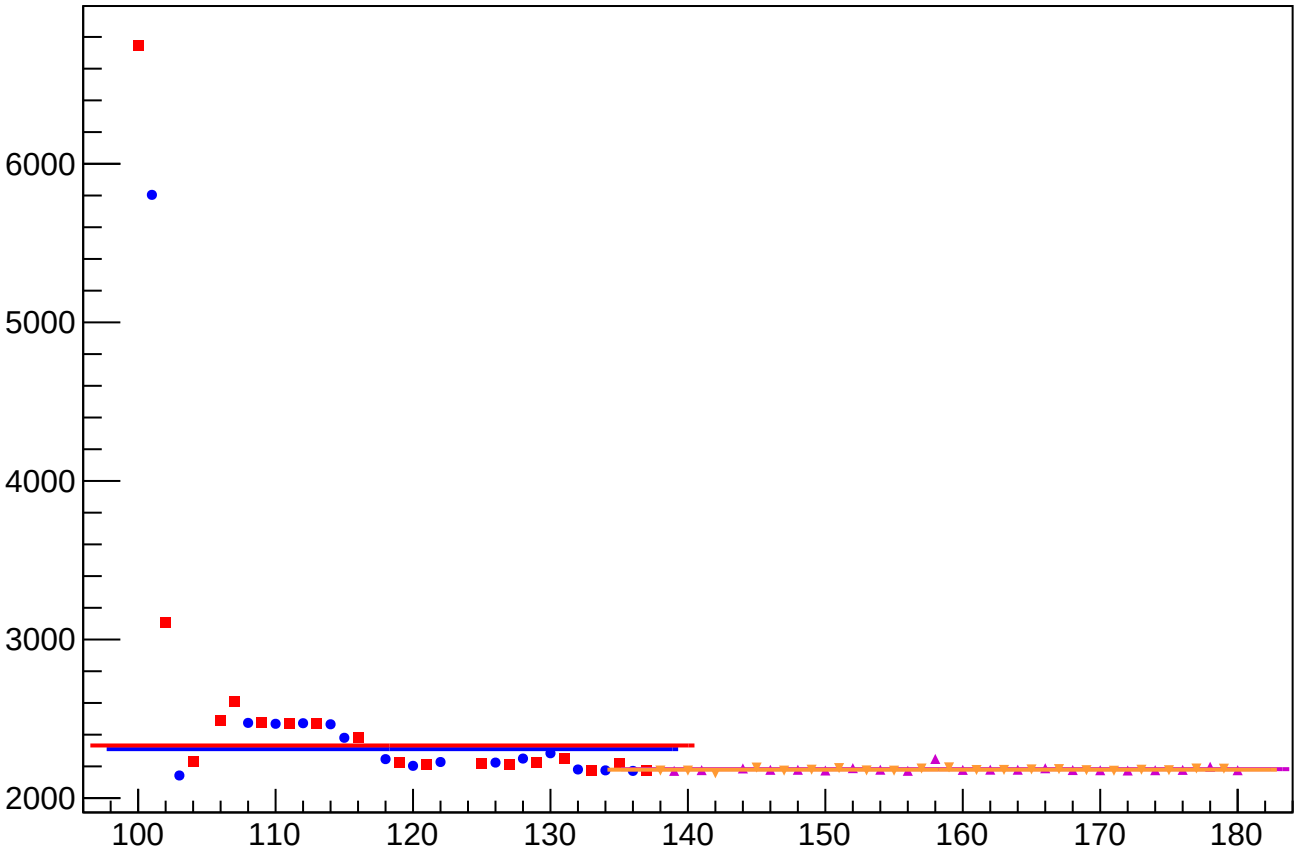
Left: -719.180+/-374.425 χ^2/NDF: 46.0/41

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -583.225+/-450.244 χ^2/NDF:41.6/36

Out: -891.166+/-455.446 χ^2/NDF:32.2/38

All: -735.427+/-320.194 χ^2/NDF: 74.0/75



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

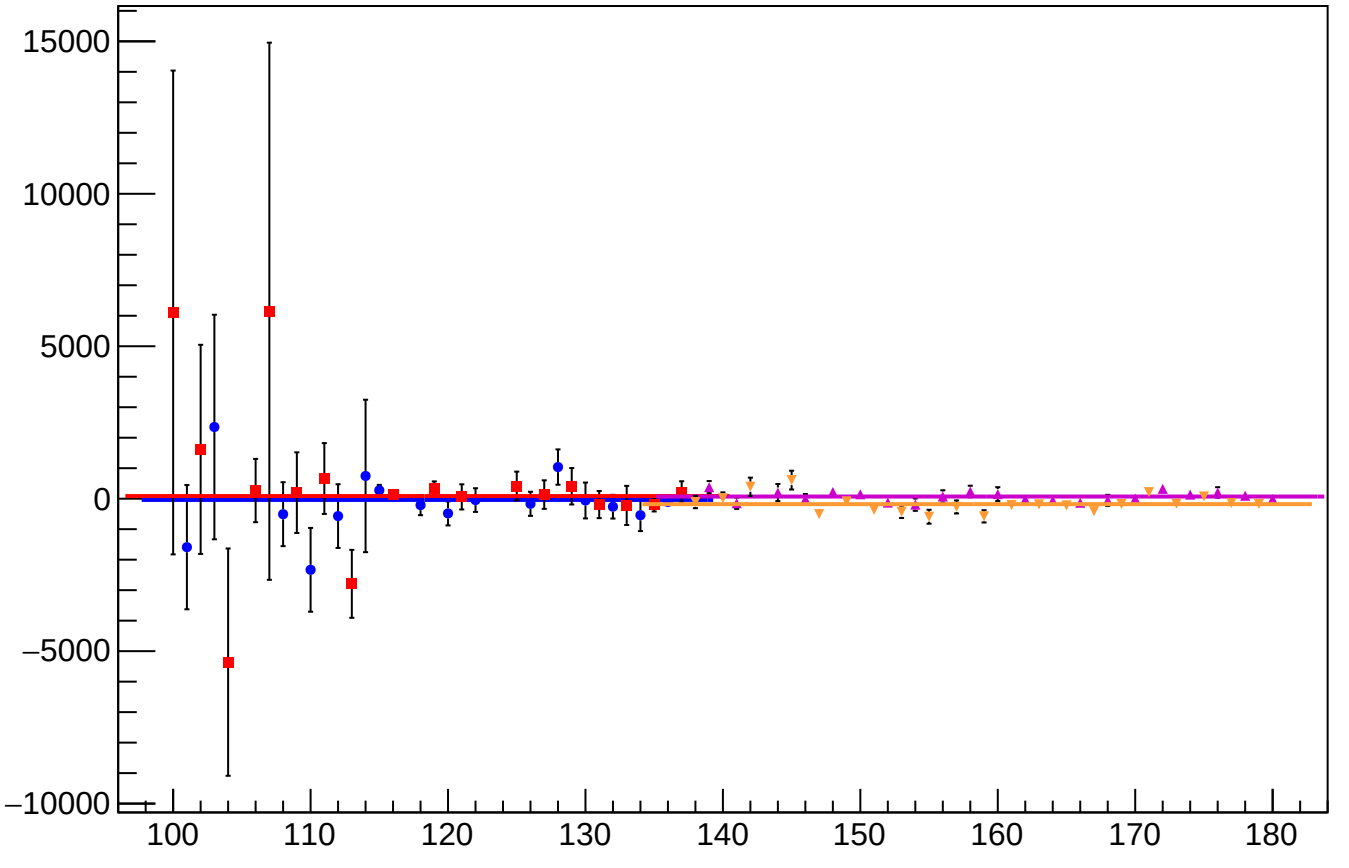
Left: 2180.928+/-0.265 χ^2/NDF: 2232.0/41

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2216.042+/-0.318 χ^2/NDF:546202.9/36

Out: 2220.764+/-0.322 χ^2/NDF:212136.6/38

All: 2218.376+/-0.226 χ^2/NDF: 758448.3/75



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.060+/-35.432 χ^2/NDF:39.6/20

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 70.634+/-34.356 χ^2/NDF:18.9/20

Left: -50.362+/-24.665 χ^2/NDF: 84.1/41

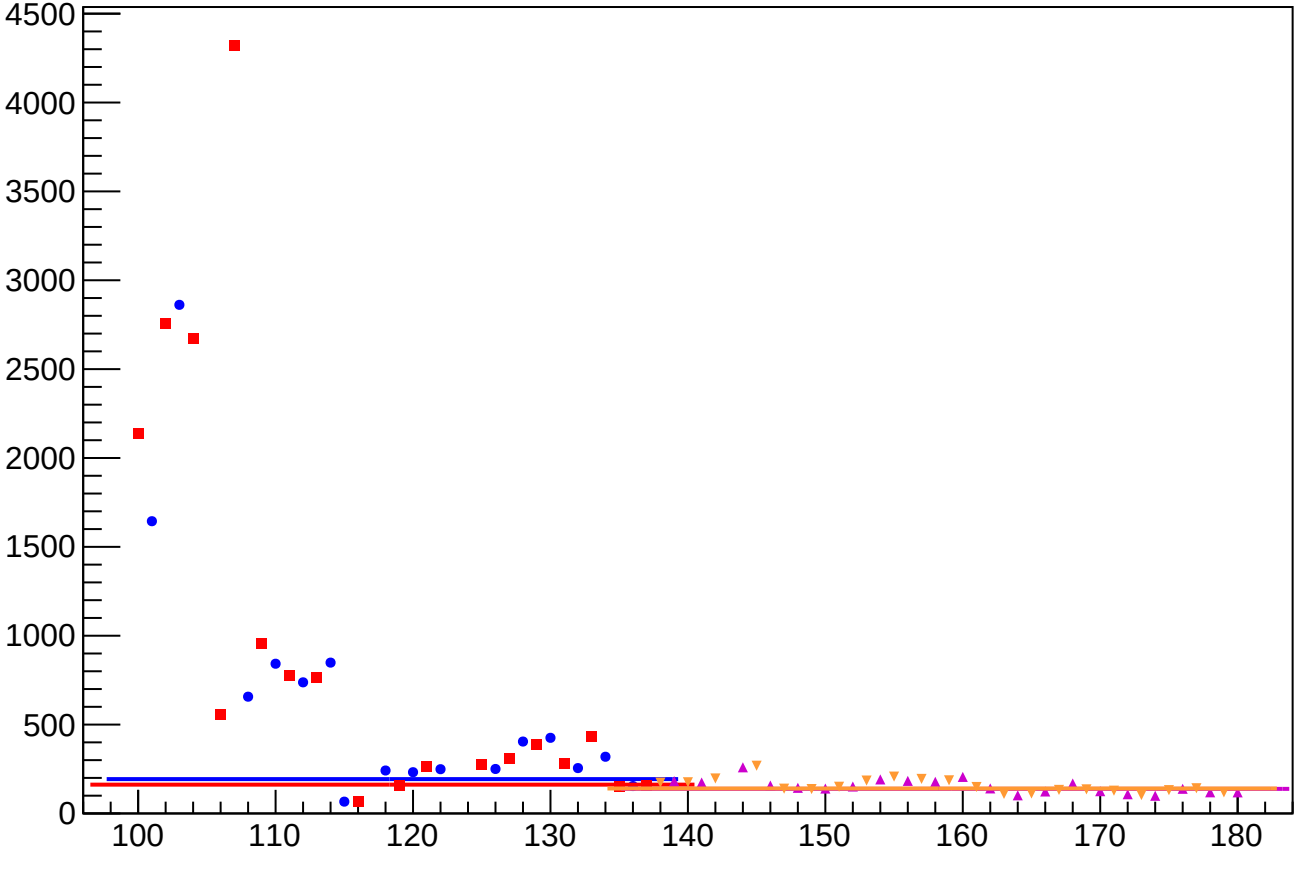
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 57.184+/-32.202 χ^2/NDF:34.2/36

Out: -140.608+/-32.766 χ^2/NDF:62.7/38

All: -39.997+/-22.967 χ^2/NDF: 115.5/75

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: 140.432+/-0.025 χ^2/NDF:1534697.6/20

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 138.345+/-0.024 χ^2/NDF:1800115.6/20

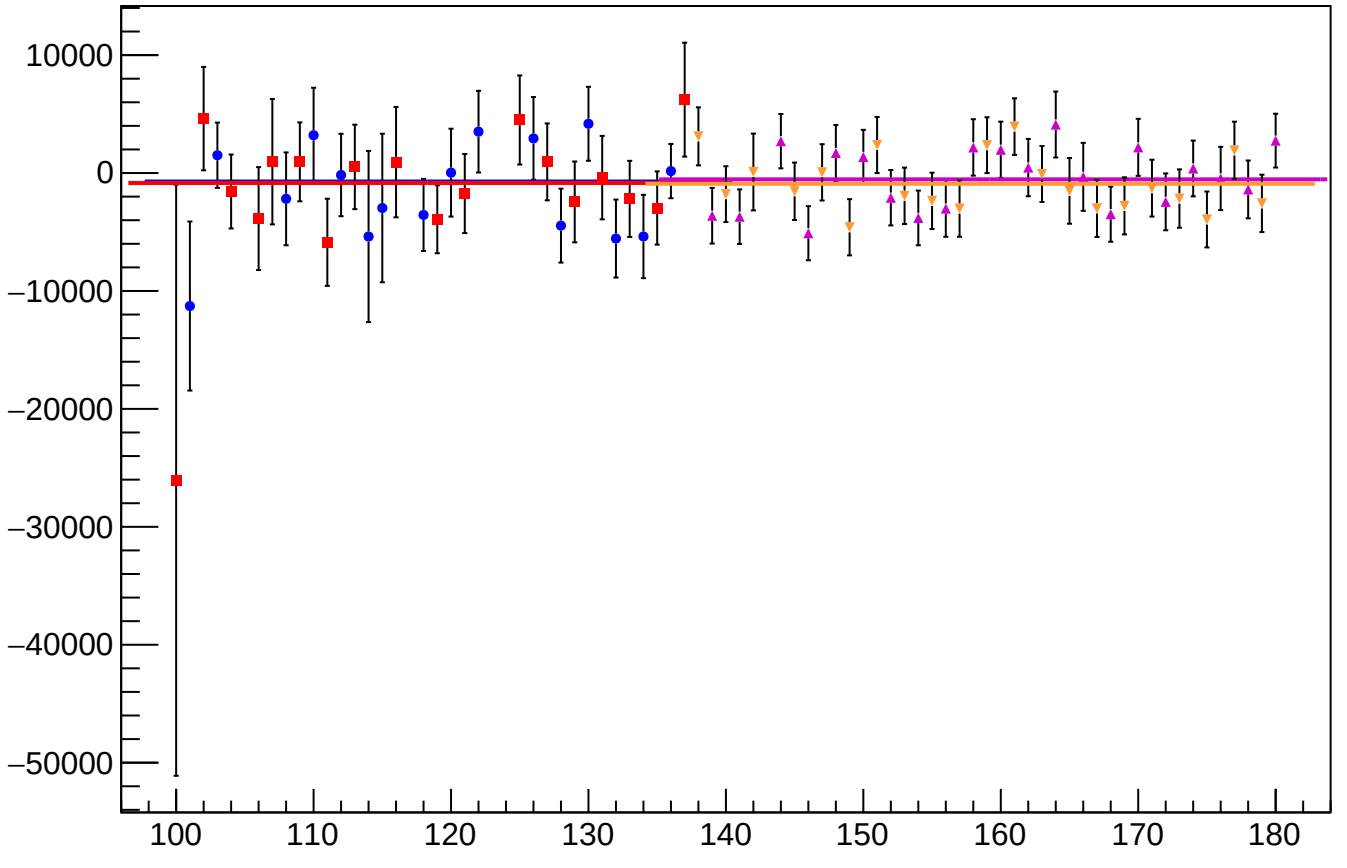
Left: 139.356+/-0.017 χ^2/NDF: 3338391.2/41

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 145.013+/-0.023 χ^2/NDF:8038381.1/36

Out: 143.573+/-0.023 χ^2/NDF:8713671.9/38

All: 144.305+/-0.016 χ^2/NDF: 16754017.2/75



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.461+/-533.721 χ^2/NDF:20.0/20

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -534.779+/-525.412 χ^2/NDF:25.7/20

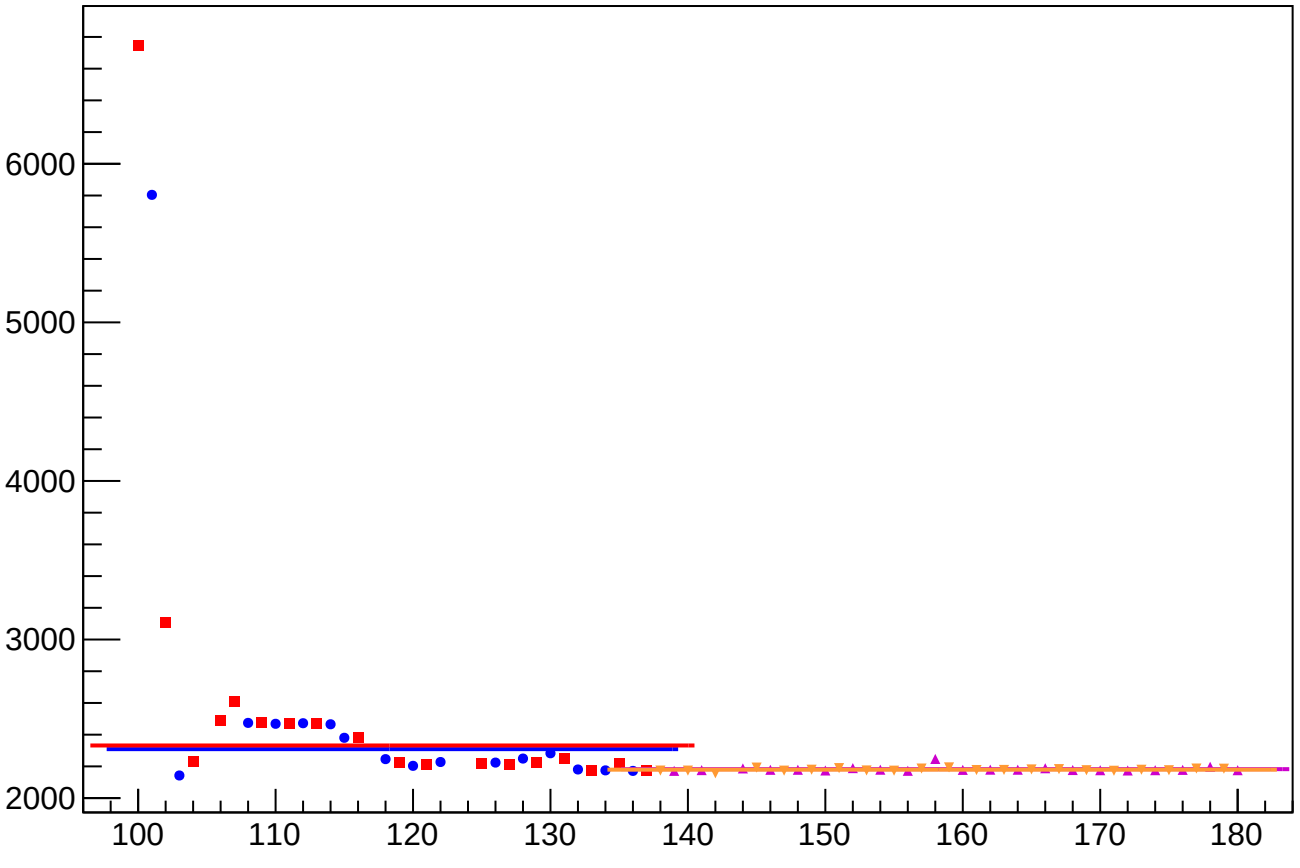
Left: -719.181+/-374.425 χ^2/NDF: 46.0/41

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -583.225+/-450.244 χ^2/NDF:41.6/36

Out: -891.168+/-455.446 χ^2/NDF:32.2/38

All: -735.427+/-320.194 χ^2/NDF: 74.0/75



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.506+/-0.372 χ^2/NDF:1791.1/20

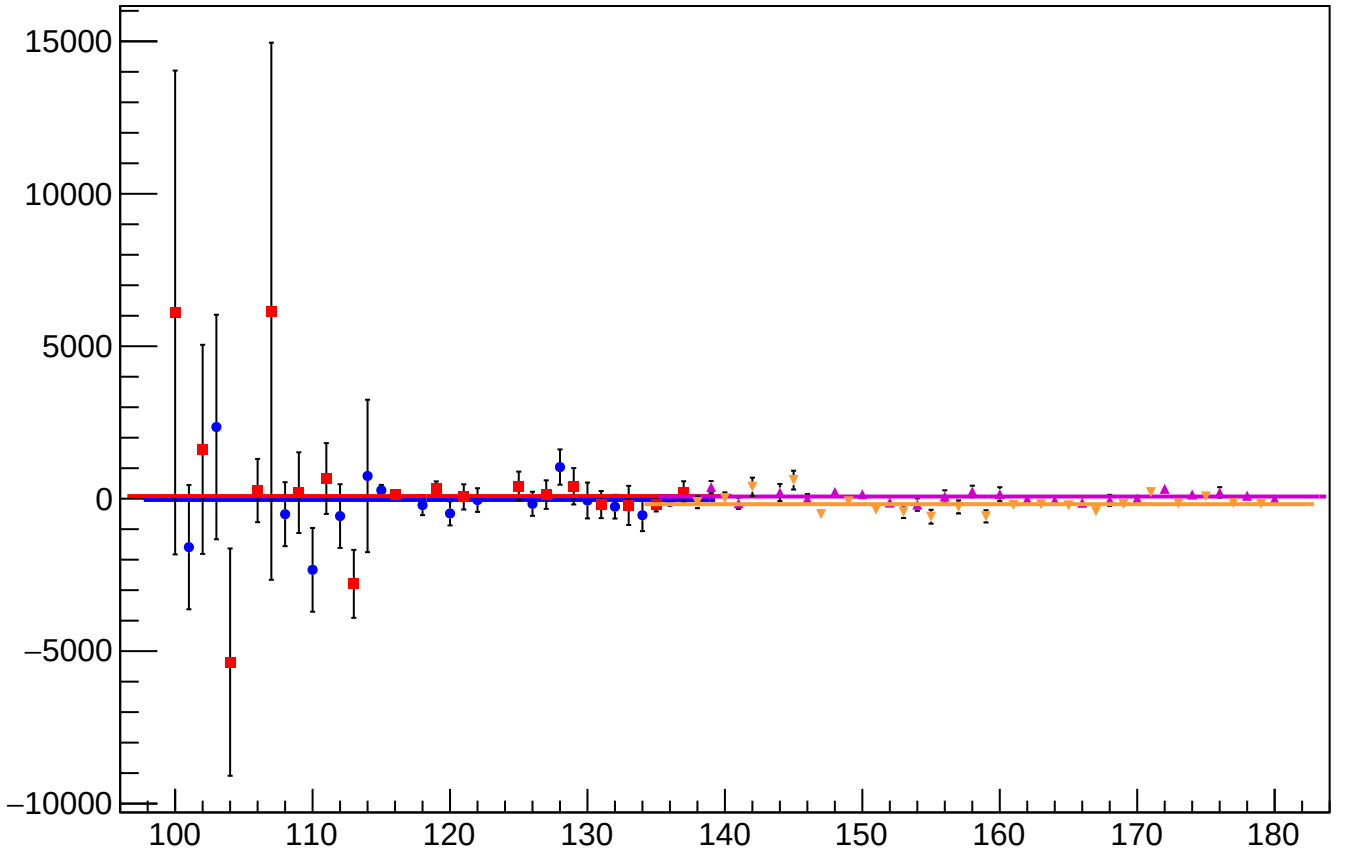
Left: 2180.928+/-0.265 χ^2/NDF: 2232.0/41

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2216.042+/-0.318 χ^2/NDF:546203.0/36

Out: 2220.764+/-0.322 χ^2/NDF:212136.5/38

All: 2218.376+/-0.226 χ^2/NDF: 758448.2/75



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.061+/-35.433 χ^2/NDF:39.6/20

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 70.633+/-34.356 χ^2/NDF:18.9/20

Left: -50.363+/-24.665 χ^2/NDF: 84.1/41

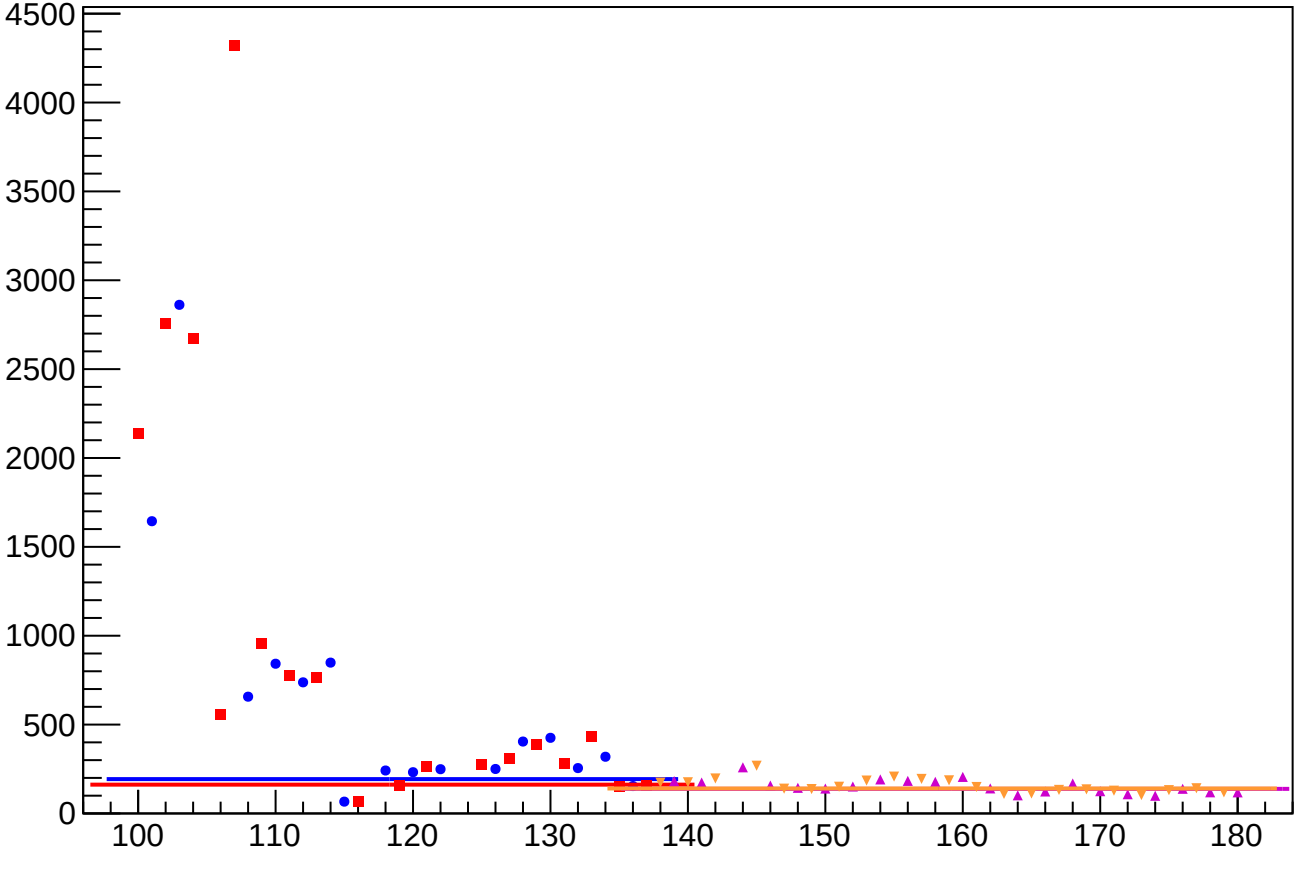
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 57.184+/-32.202 χ^2/NDF:34.2/36

Out: -140.608+/-32.766 χ^2/NDF:62.7/38

All: -39.997+/-22.967 χ^2/NDF: 115.5/75

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: 140.432+/-0.025 χ^2/NDF:1534711.7/20

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 138.345+/-0.024 χ^2/NDF:1800151.8/20

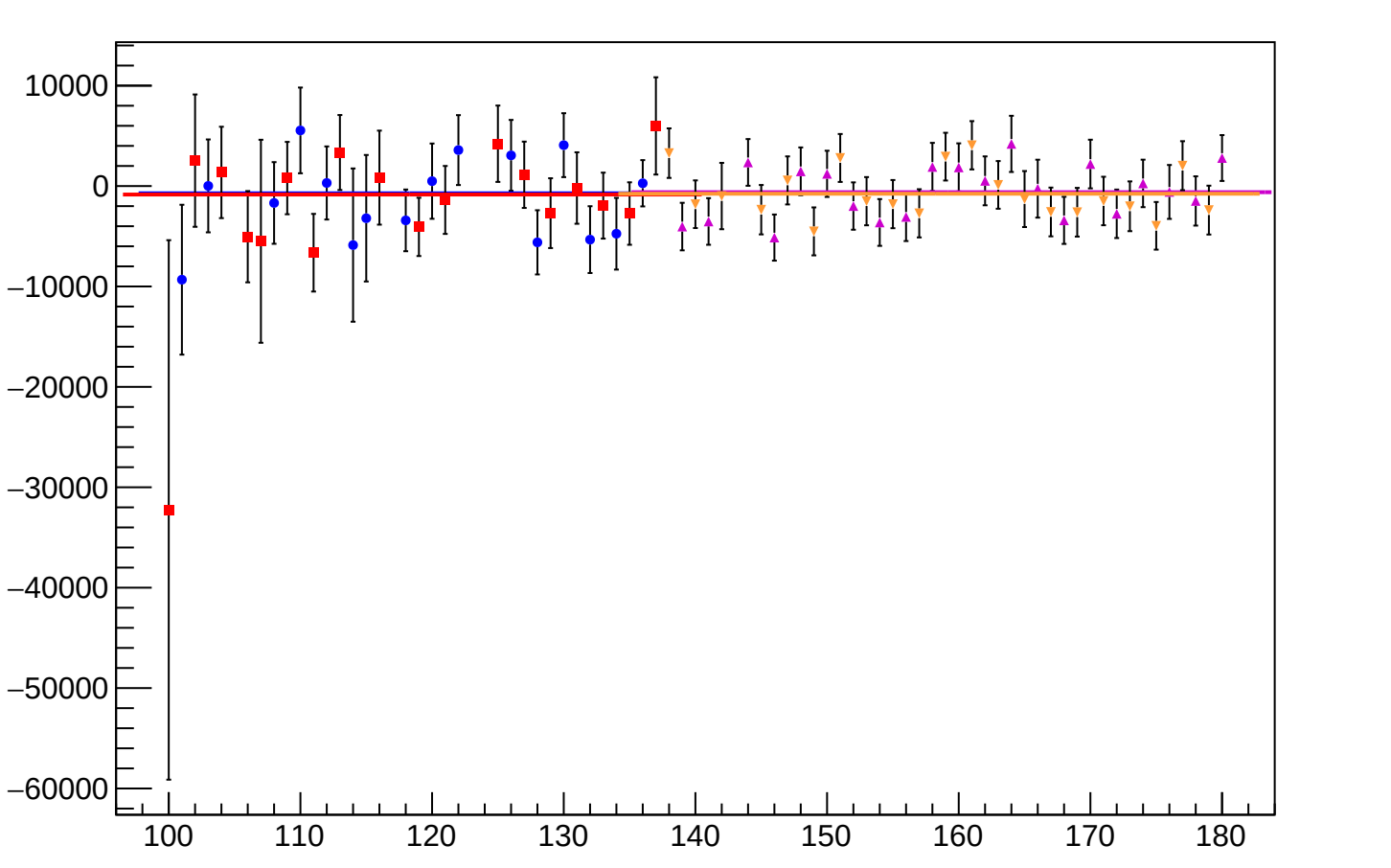
Left: 139.357+/-0.017 χ^2/NDF: 3338441.3/41

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 145.013+/-0.023 χ^2/NDF:8038409.5/36

Out: 143.573+/-0.023 χ^2/NDF:8713723.2/38

All: 144.305+/-0.016 χ^2/NDF: 16754097.4/75



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -764.399+/-535.321 χ^2/NDF:20.9/20

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -610.316+/-526.756 χ^2/NDF:25.0/20

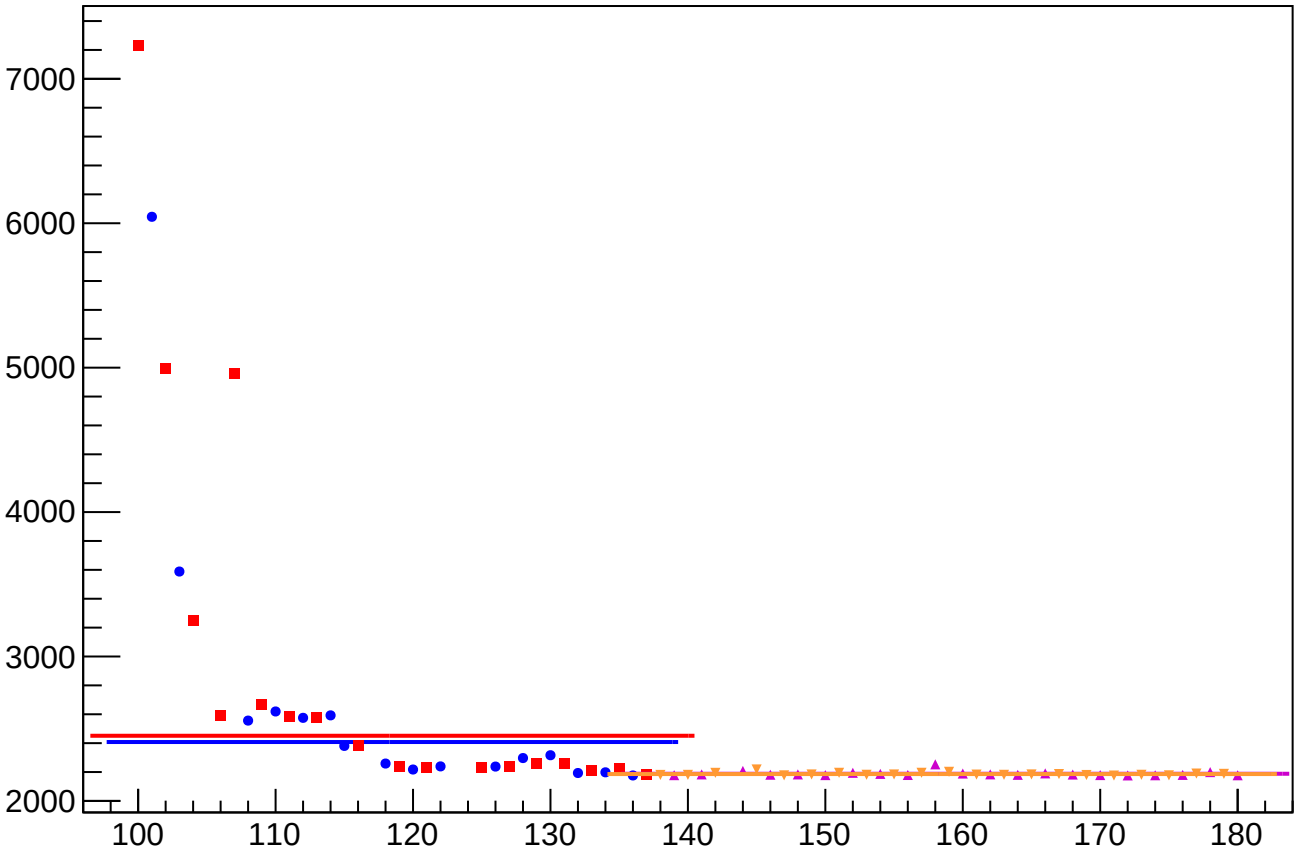
Left: -686.115+/-375.464 χ^2/NDF: 46.0/41

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -637.456+/-456.665 χ^2/NDF:40.8/36

Out: -784.453+/-463.789 χ^2/NDF:33.9/38

All: -709.817+/-325.400 χ^2/NDF: 74.7/75



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.977+/-0.379 χ^2/NDF:660.6/20

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.083+/-0.372 χ^2/NDF:2000.1/20

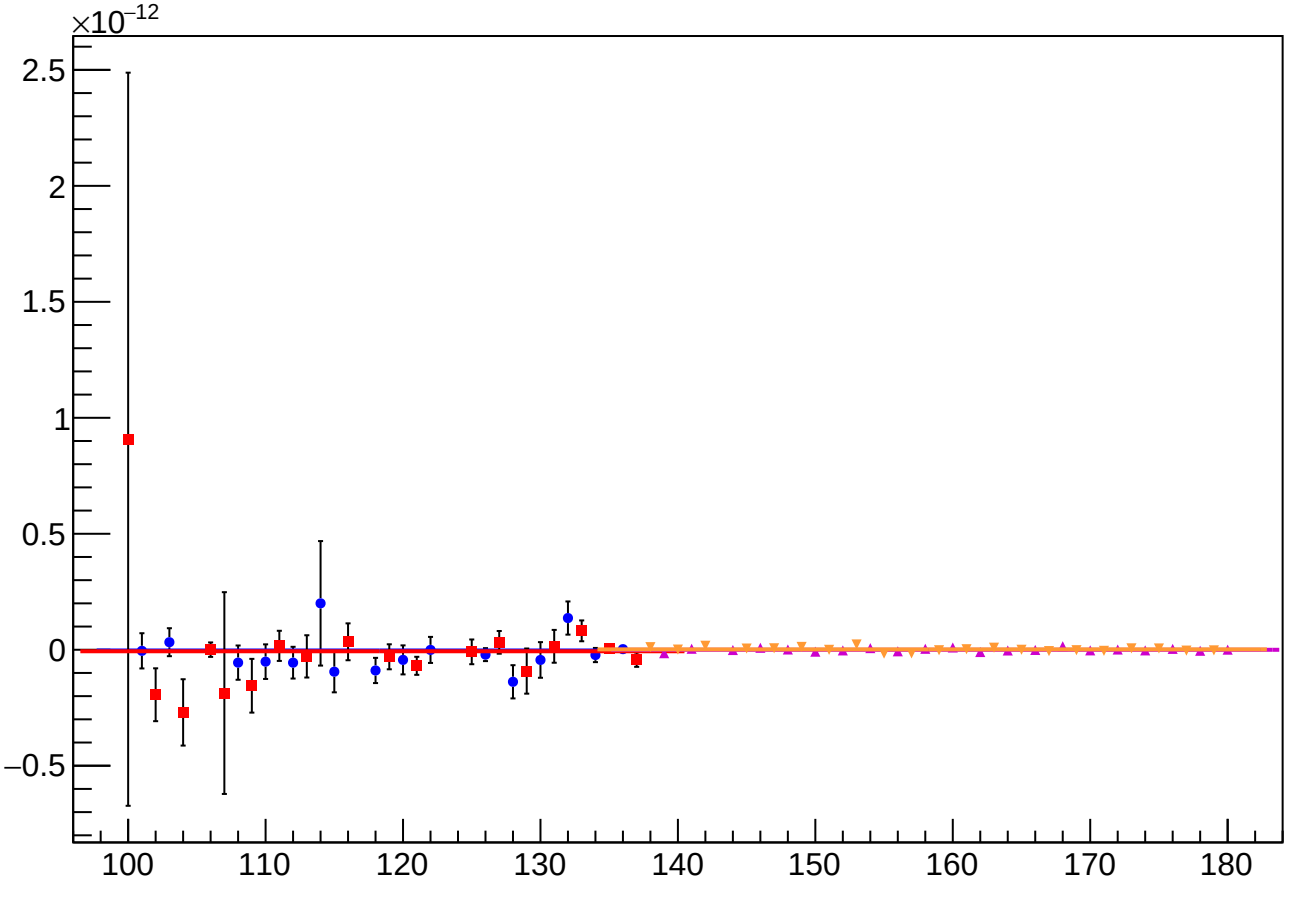
Left: 2187.047+/-0.265 χ^2/NDF: 2676.4/41

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2242.664+/-0.323 χ^2/NDF:765329.7/36

Out: 2252.120+/-0.328 χ^2/NDF:756687.2/38

All: 2247.319+/-0.230 χ^2/NDF: 1522439.0/75



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/20

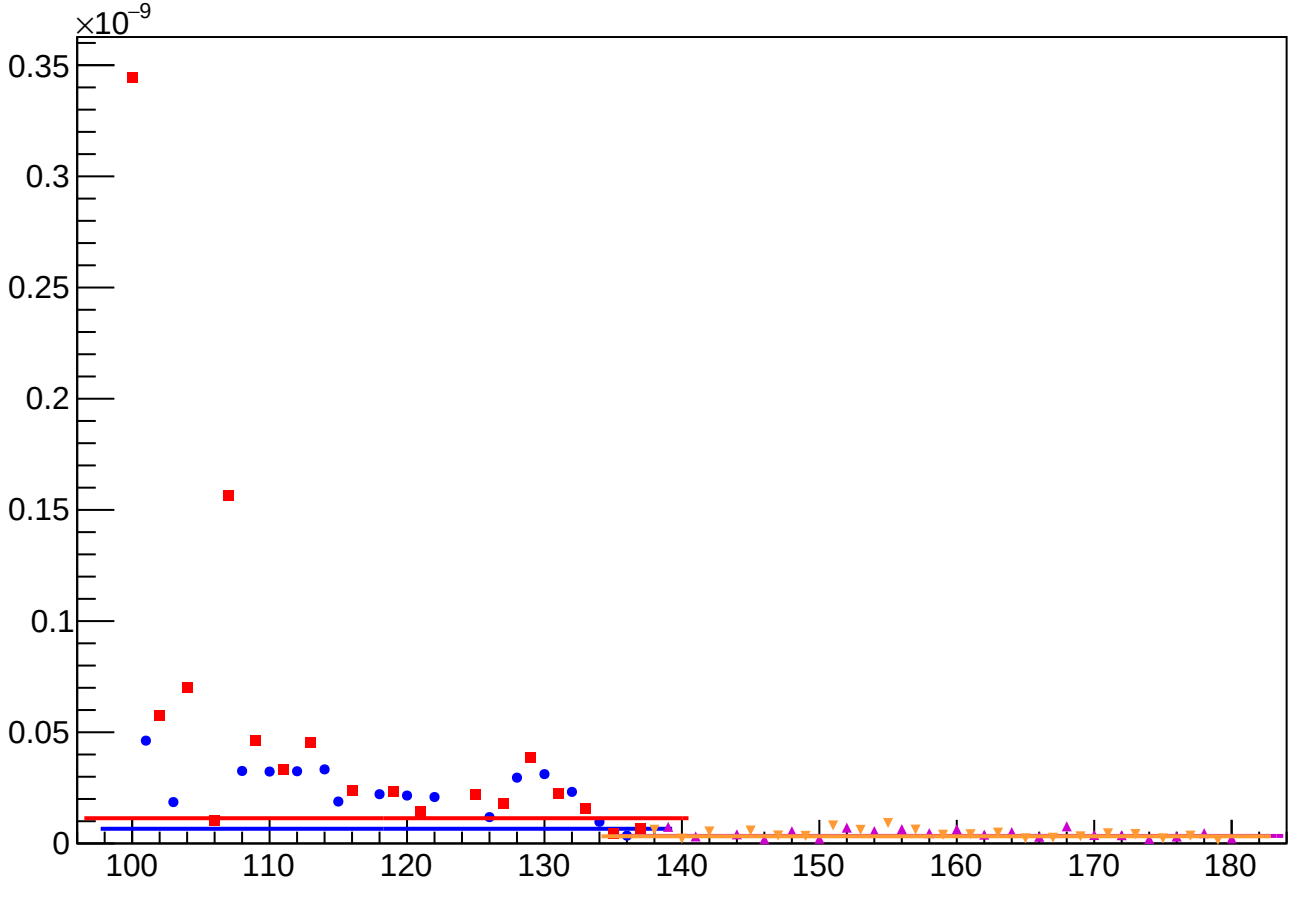
Left: 0.000+/-0.000 χ^2/NDF: 31.8/41

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.9/36

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 67.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1961079.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1691597.7/20

Left: 0.000+/-0.000 χ^2/NDF: 3662335.9/41

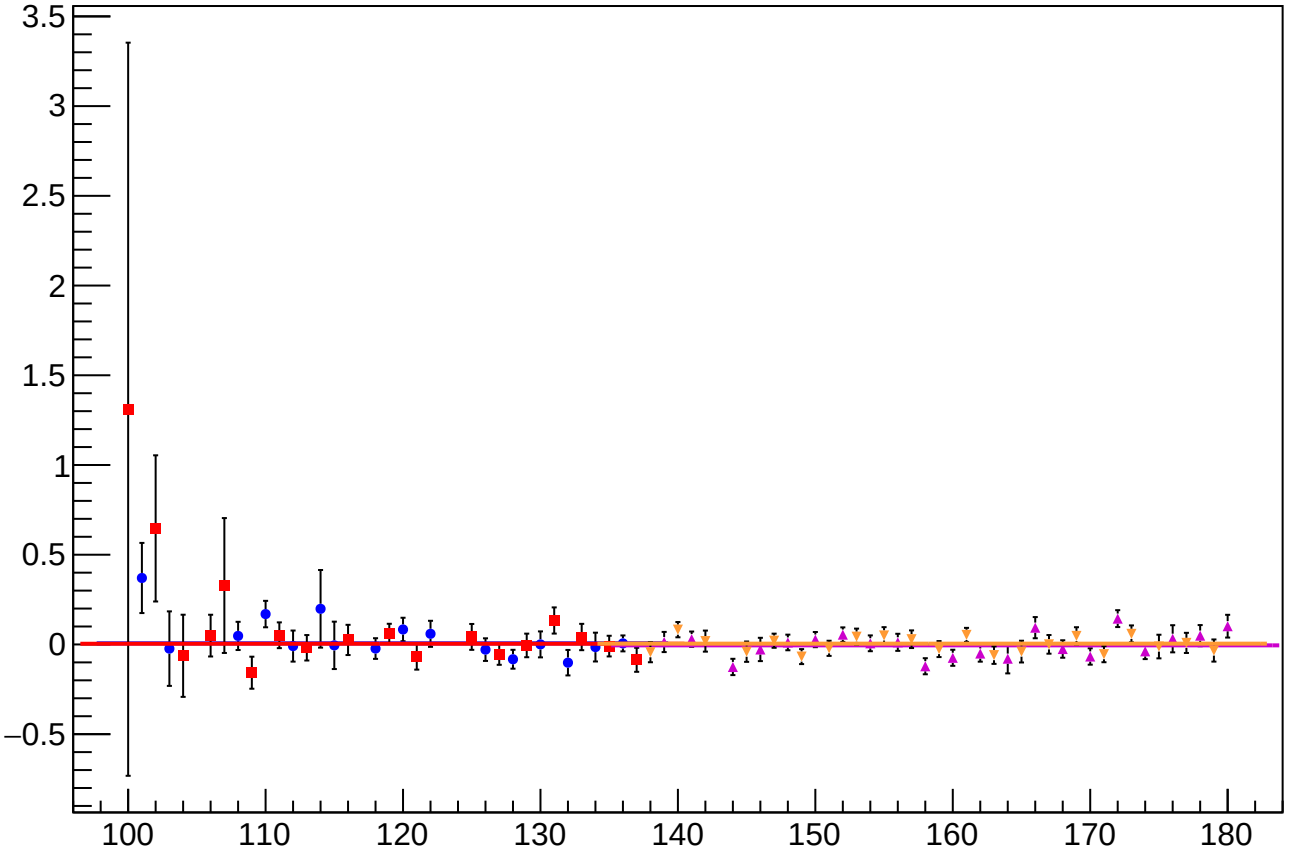
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:5037765.2/36

Out: 0.000+/-0.000 χ^2/NDF:6009176.3/38

All: 0.000+/-0.000 χ^2/NDF: 11058264.0/75

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.3/20

Left: -0.000+/-0.007 χ^2/NDF: 60.6/41

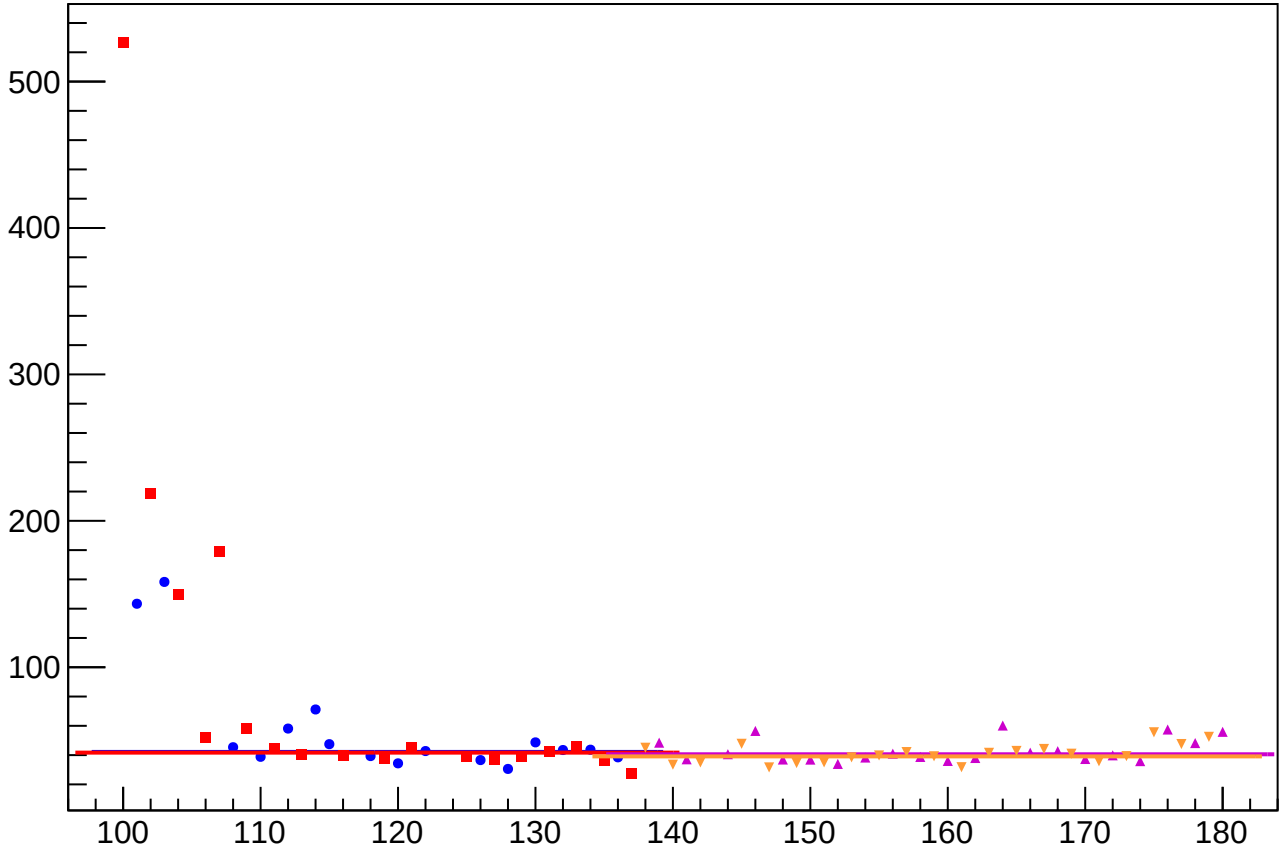
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/36

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: 0.001+/-0.006 χ^2/NDF: 94.2/75

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: 39.122+/-0.007 χ^2/NDF:617365.0/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.556+/-0.008 χ^2/NDF:693361.9/20

Left: 39.829+/-0.005 χ^2/NDF: 1328999.8/41

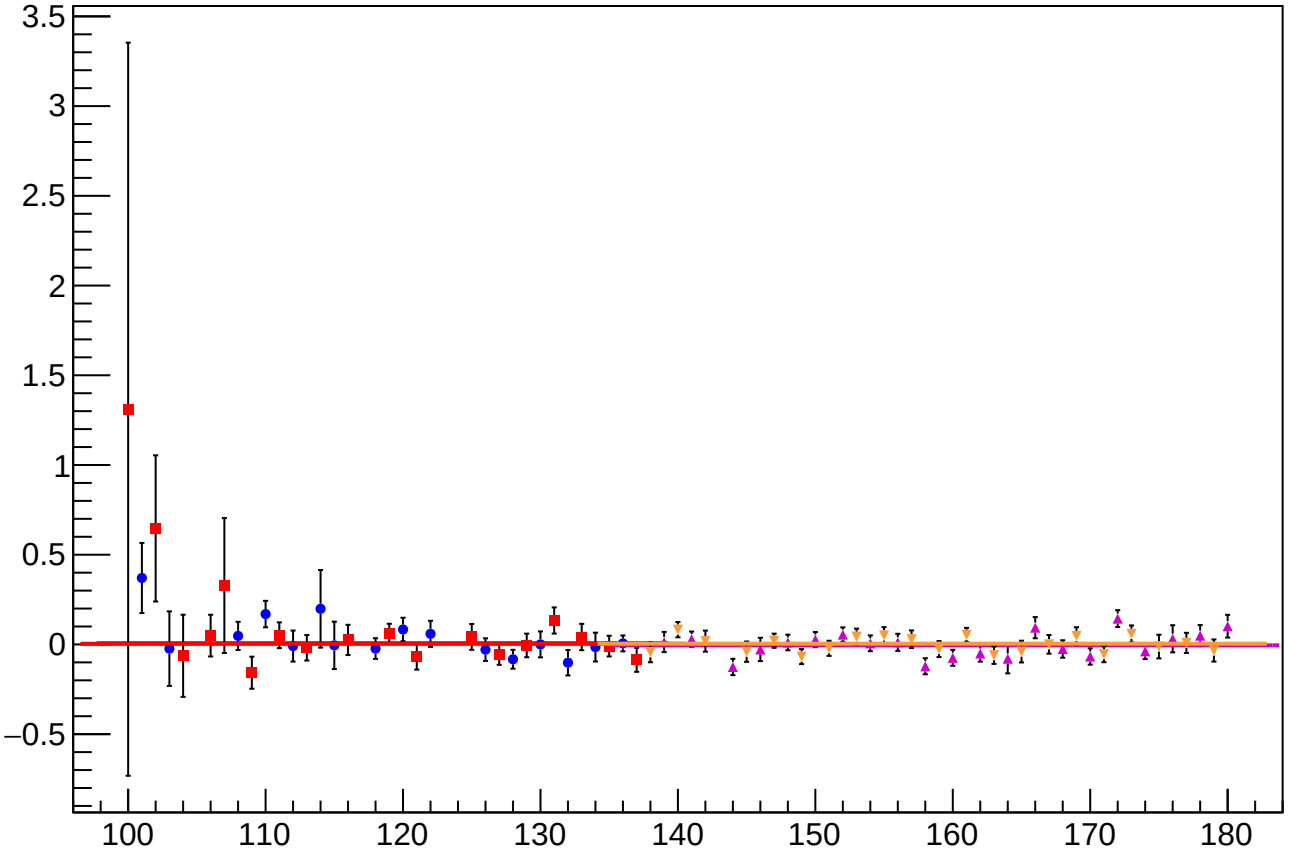
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.966+/-0.007 χ^2/NDF:2159316.9/36

Out: 39.746+/-0.006 χ^2/NDF:2087505.0/38

All: 40.352+/-0.005 χ^2/NDF: 4264445.9/75

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.3/20

Left: -0.000+/-0.007 χ^2/NDF: 60.6/41

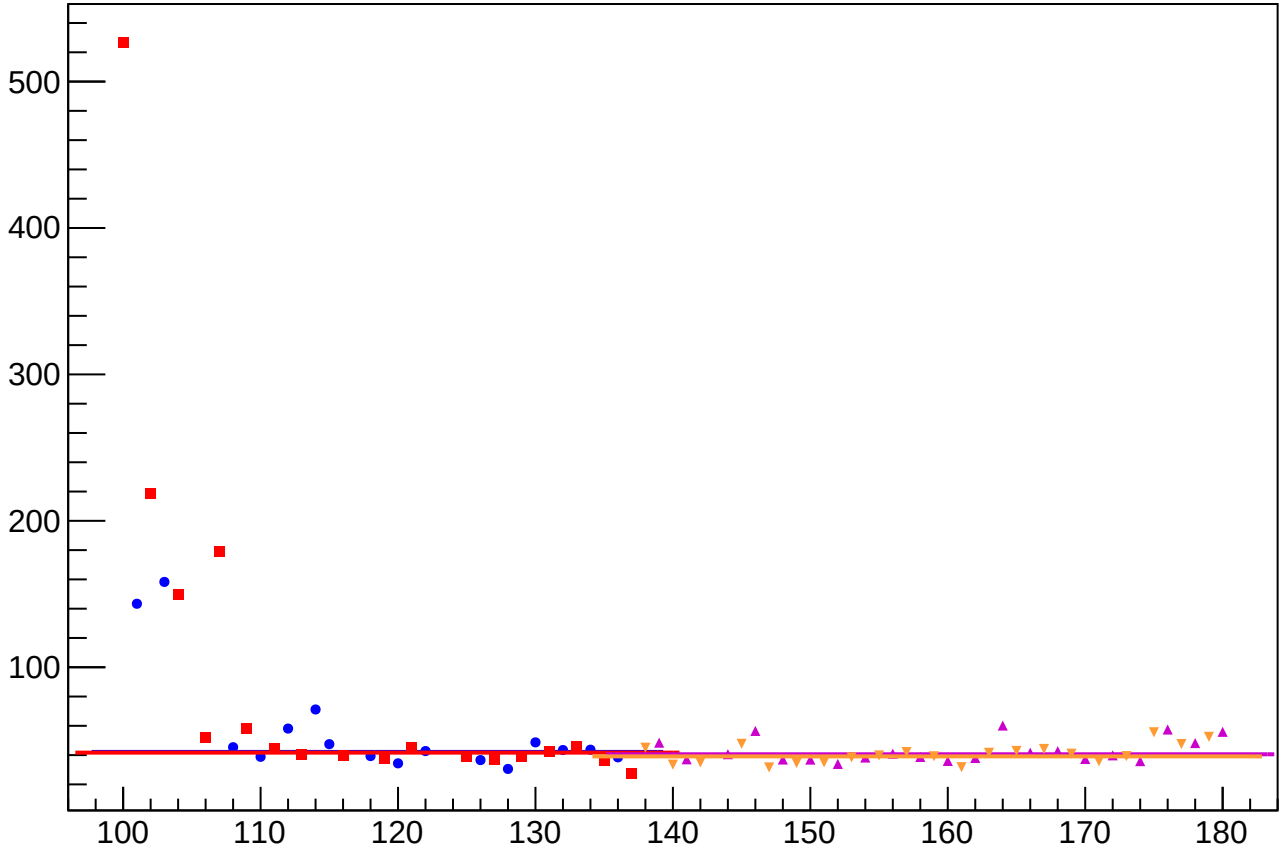
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/36

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: 0.001+/-0.006 χ^2/NDF: 94.2/75

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: 39.122+/-0.007 χ^2/NDF:617365.0/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.556+/-0.008 χ^2/NDF:693361.9/20

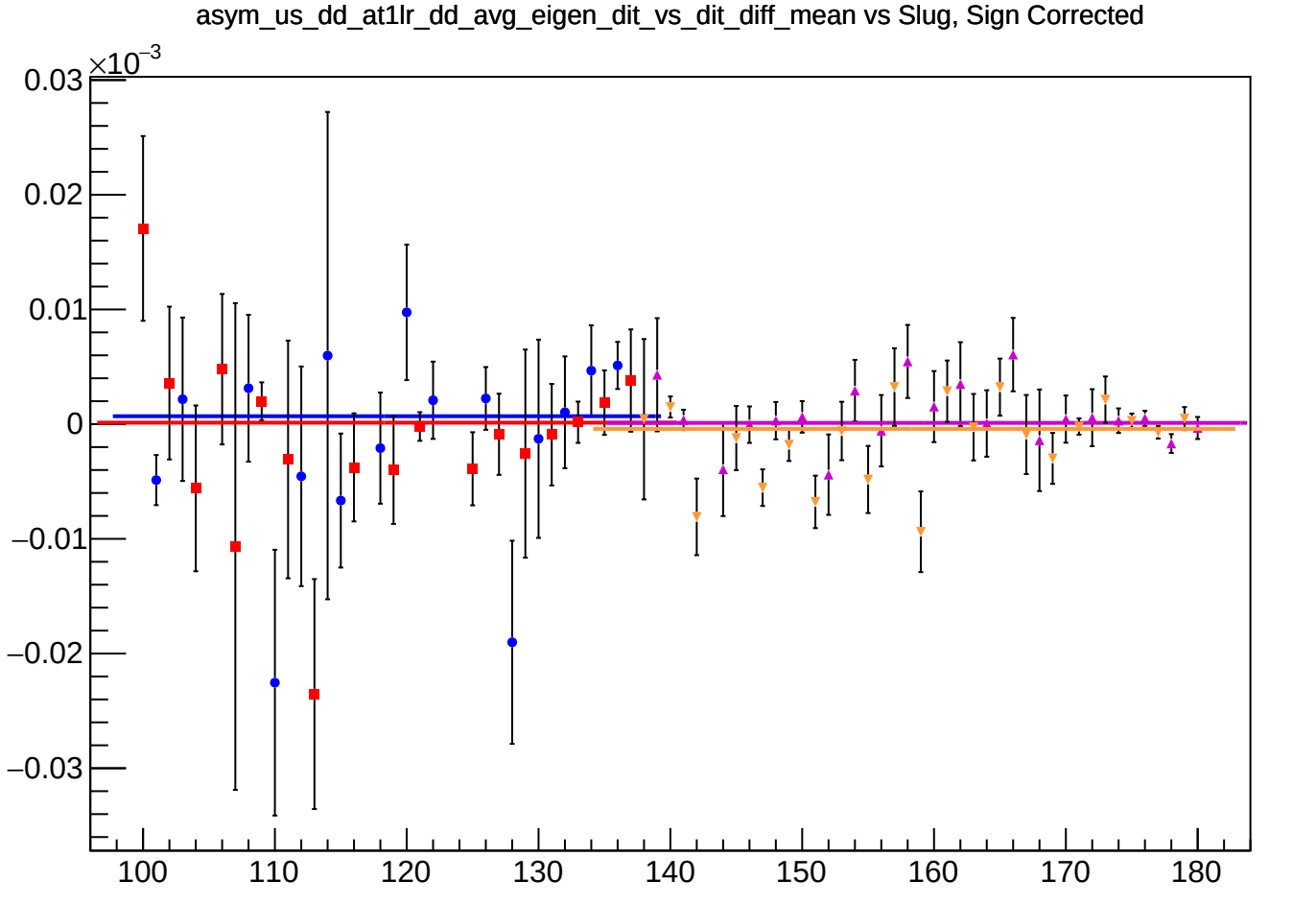
Left: 39.829+/-0.005 χ^2/NDF: 1328999.8/41

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

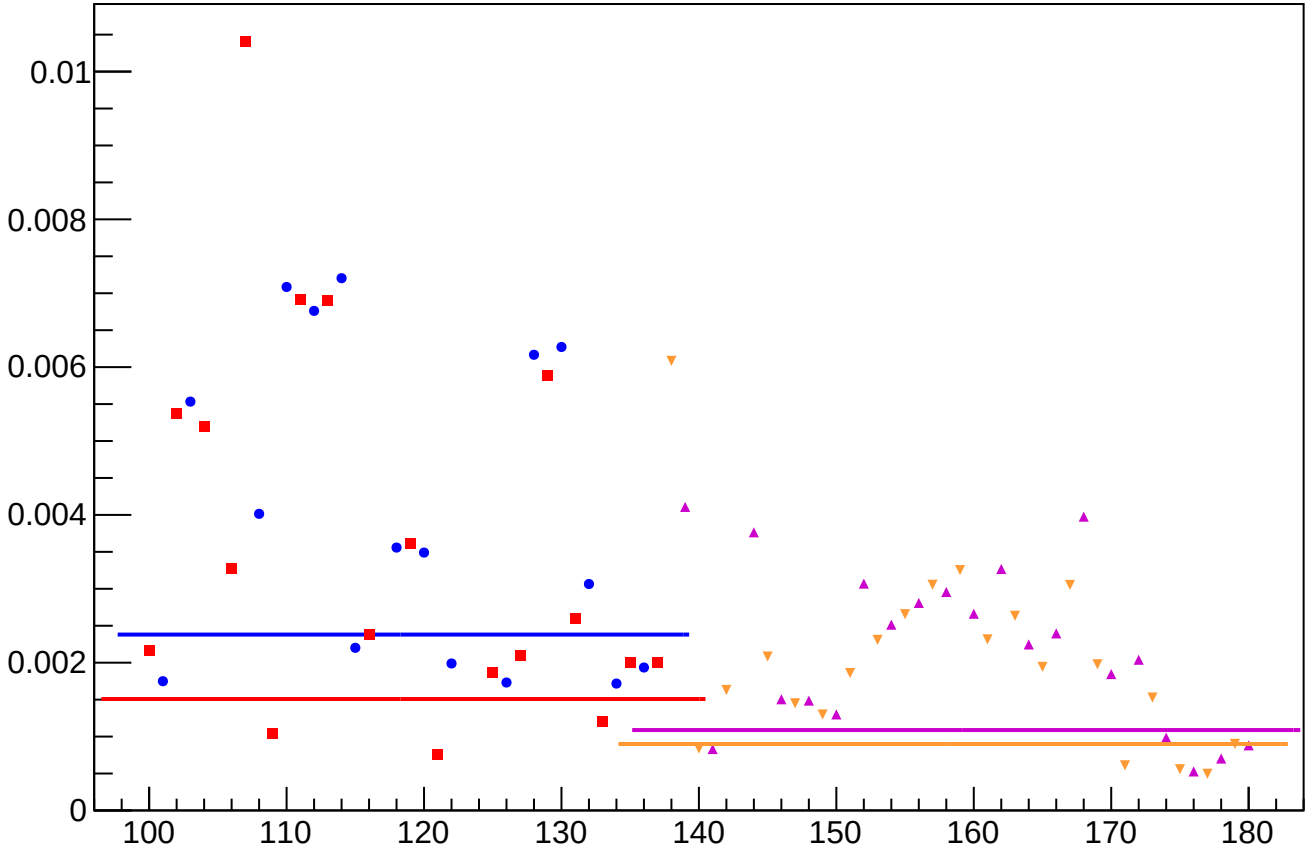
In: 40.966+/-0.007 χ^2/NDF:2159316.9/36

Out: 39.746+/-0.006 χ^2/NDF:2087505.0/38

All: 40.352+/-0.005 χ^2/NDF: 4264445.9/75


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 26.5/15
Left Out: -0.000+/-0.000 χ²/NDF:47.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:17.7/20
Left: -0.000+/-0.000 χ²/NDF: 67.0/41
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:44.5/36
Out: -0.000+/-0.000 χ²/NDF:65.6/38
All: -0.000+/-0.000 χ²/NDF: 111.8/75

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:10425041.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:9889389.4/20

Left: 0.001+/-0.000 χ^2/NDF: 20706195.0/41

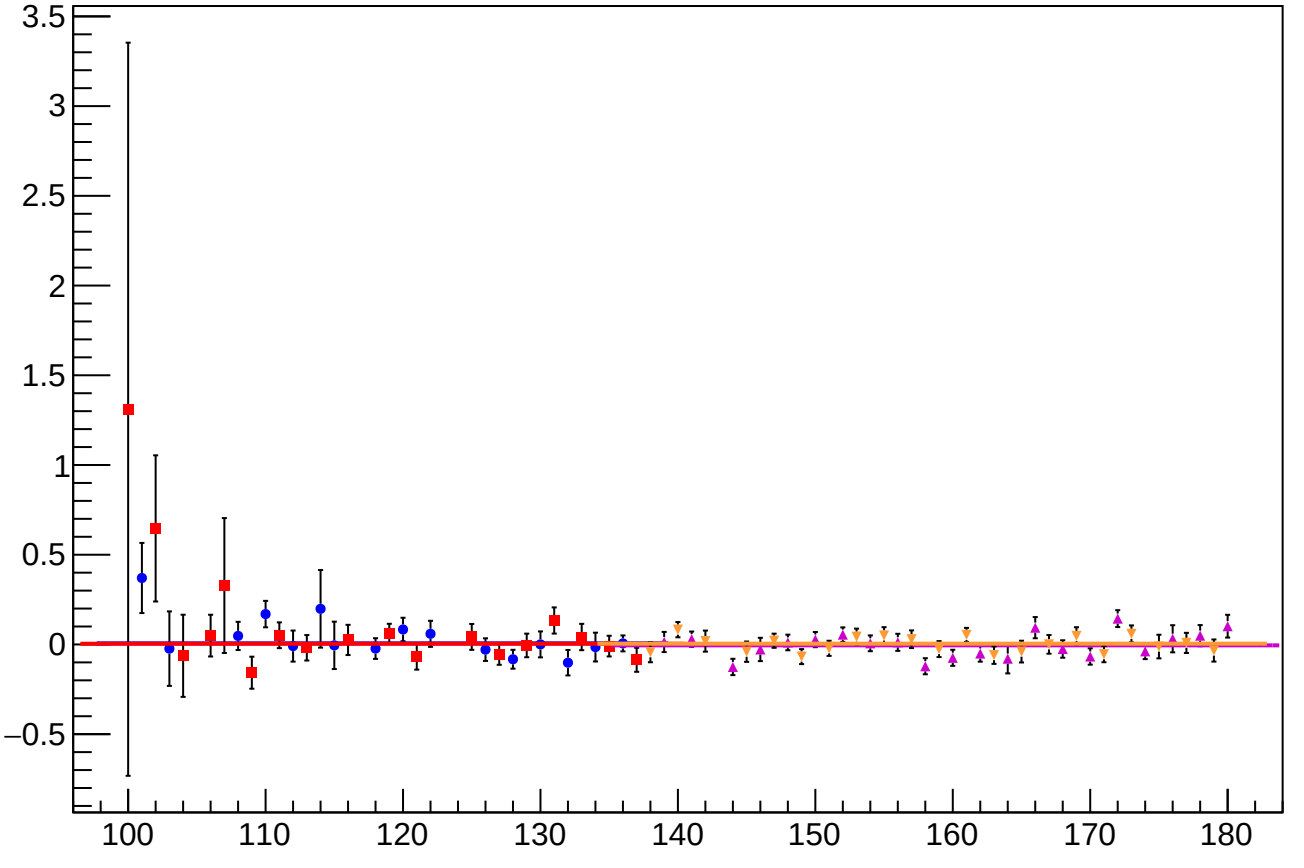
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:15655853.8/36

Out: 0.001+/-0.000 χ^2/NDF:16666433.7/38

All: 0.001+/-0.000 χ^2/NDF: 32951880.5/75

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.3/20

Left: -0.000+/-0.007 χ^2/NDF: 60.6/41

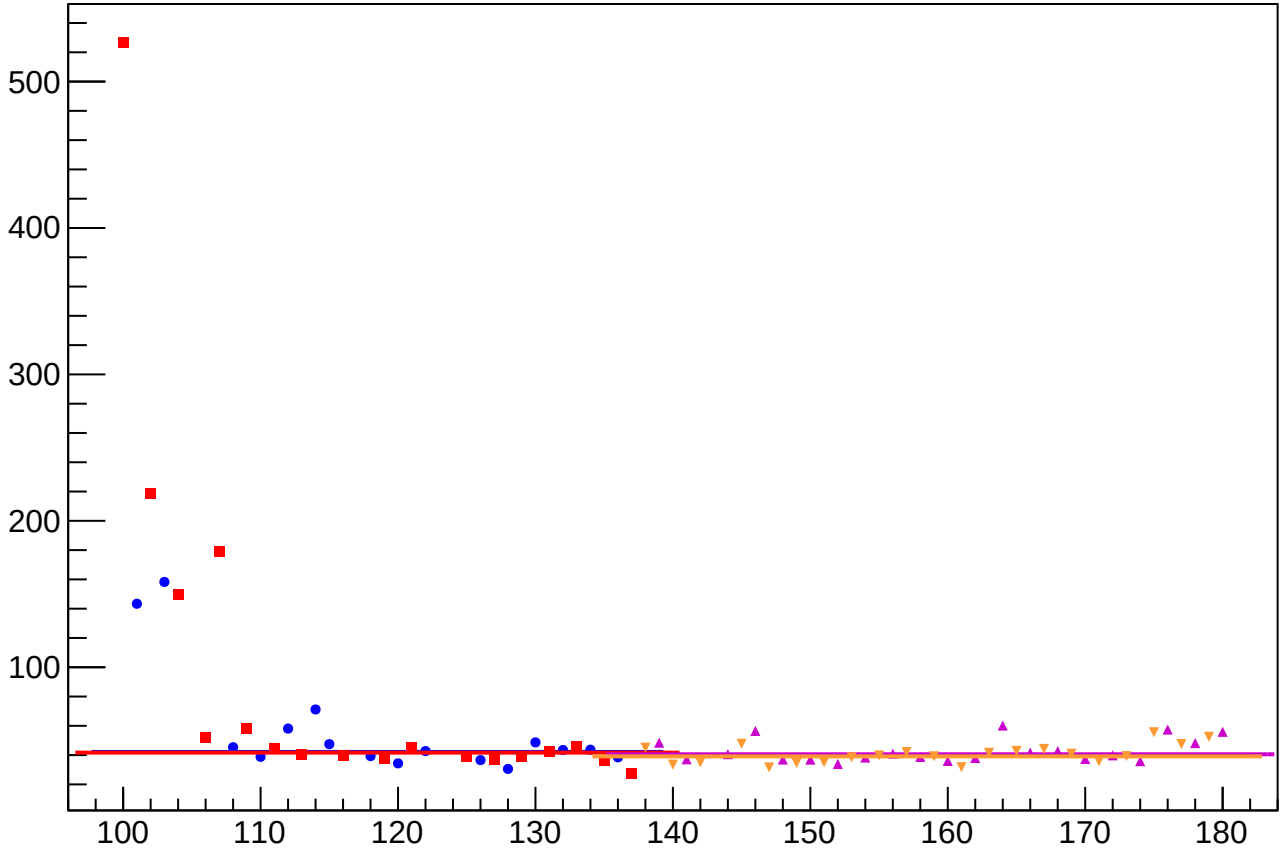
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/36

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: 0.001+/-0.006 χ^2/NDF: 94.2/75

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: 39.123+/-0.007 χ^2/NDF:617341.3/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.556+/-0.008 χ^2/NDF:693398.0/20

Left: 39.829+/-0.005 χ^2/NDF: 1329009.6/41

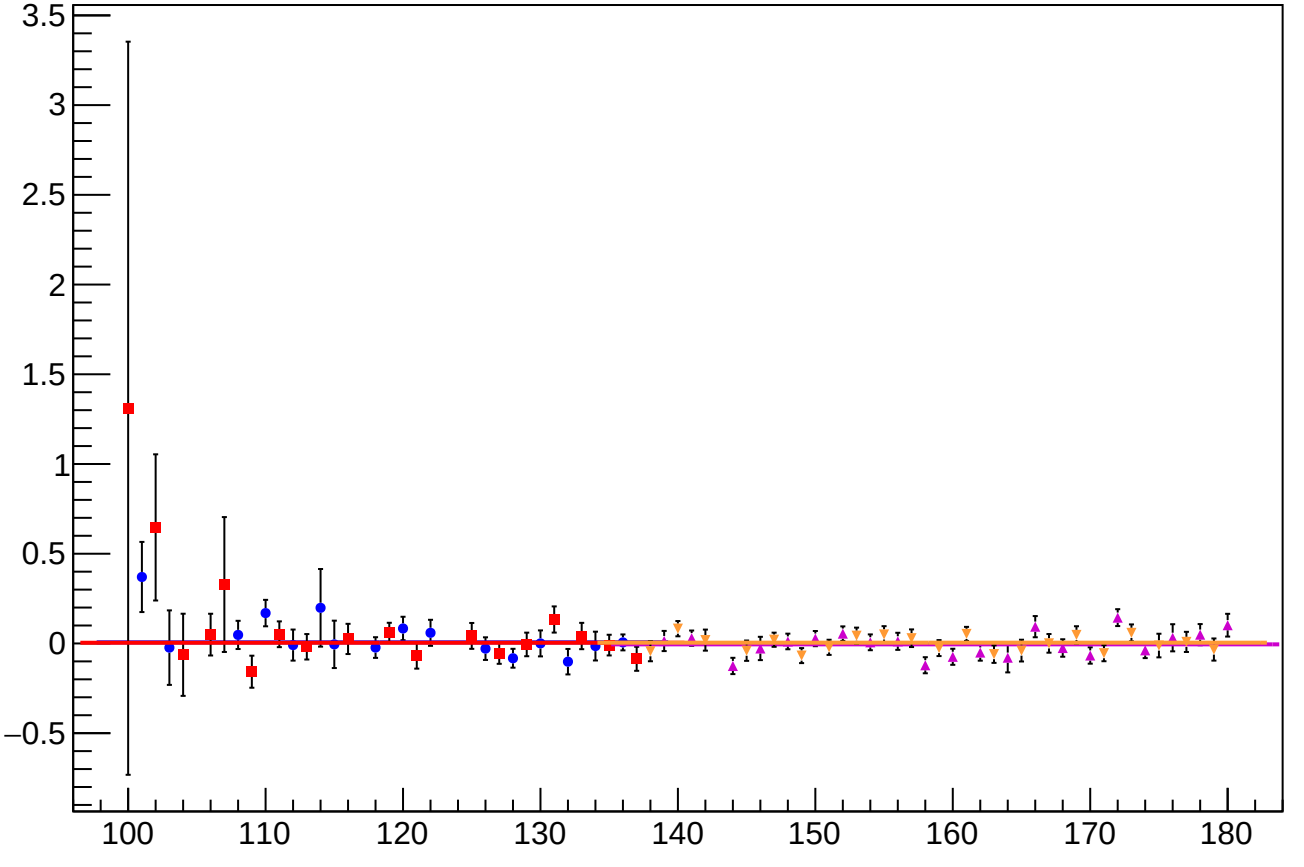
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.966+/-0.007 χ^2/NDF:2159532.3/36

Out: 39.747+/-0.006 χ^2/NDF:2087469.7/38

All: 40.352+/-0.005 χ^2/NDF: 4264603.3/75

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.005+/-0.011 χ^2/NDF:41.3/20

Left: -0.000+/-0.007 χ^2/NDF: 60.6/41

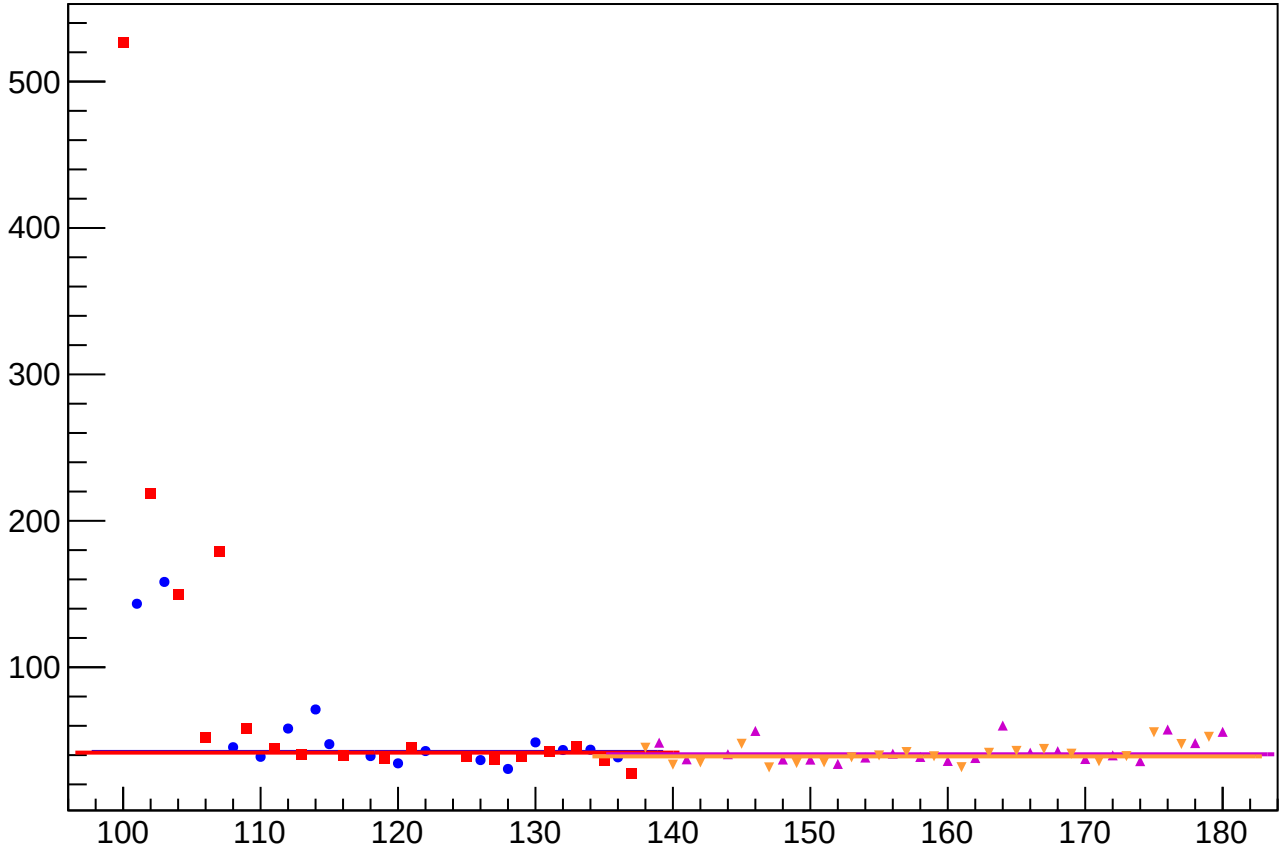
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.002+/-0.009 χ^2/NDF:58.8/36

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: 0.001+/-0.006 χ^2/NDF: 94.2/75

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: 39.123+/-0.007 χ^2/NDF:617341.3/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.556+/-0.008 χ^2/NDF:693398.0/20

Left: 39.829+/-0.005 χ^2/NDF: 1329009.6/41

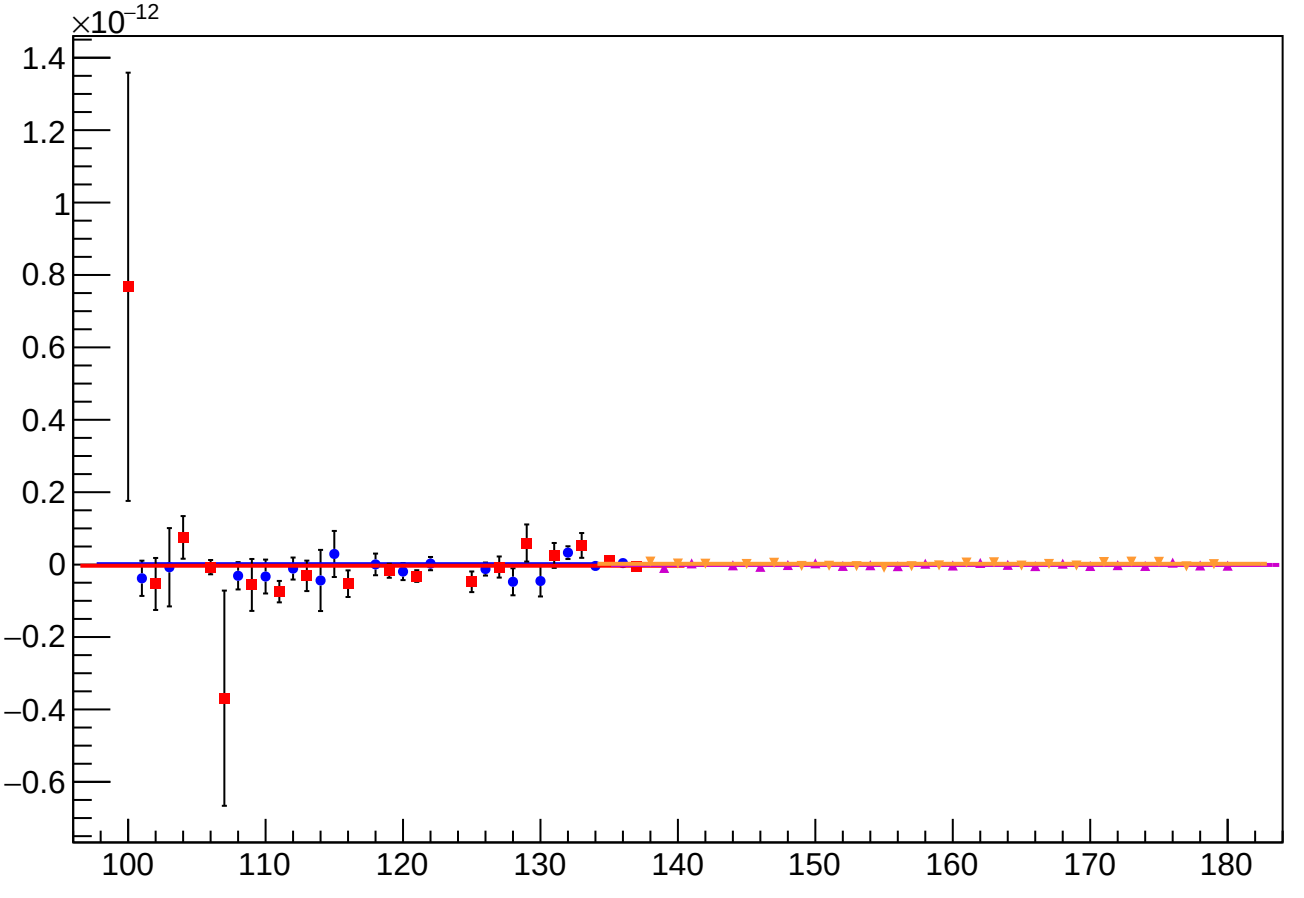
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.966+/-0.007 χ^2/NDF:2159532.3/36

Out: 39.747+/-0.006 χ^2/NDF:2087469.7/38

All: 40.352+/-0.005 χ^2/NDF: 4264603.3/75

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:24.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:15.0/20

Left: 0.000+/-0.000 χ^2/NDF: 45.6/41

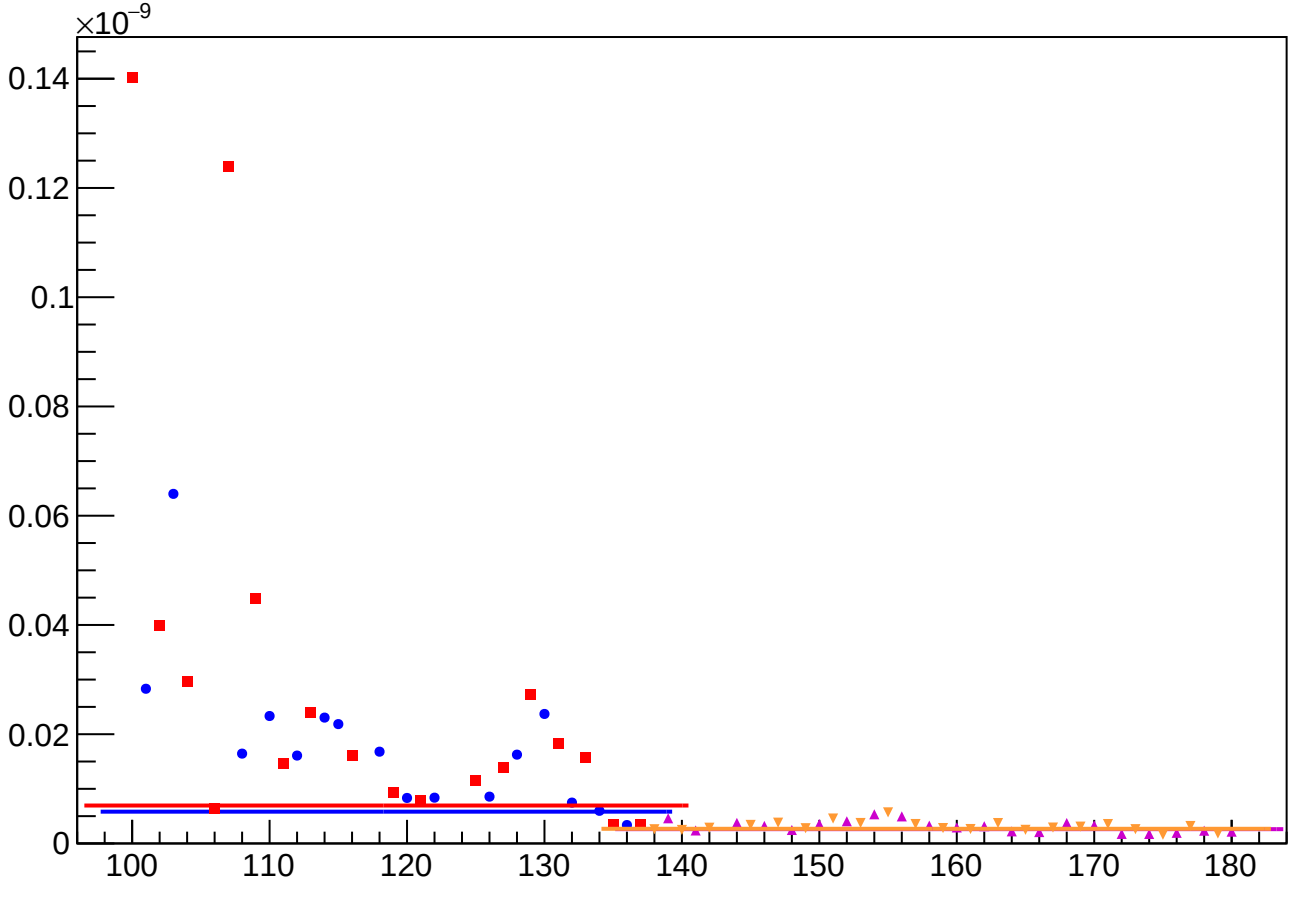
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:25.8/36

Out: 0.000+/-0.000 χ^2/NDF:54.6/38

All: 0.000+/-0.000 χ^2/NDF: 85.6/75

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521419.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1803784.8/20

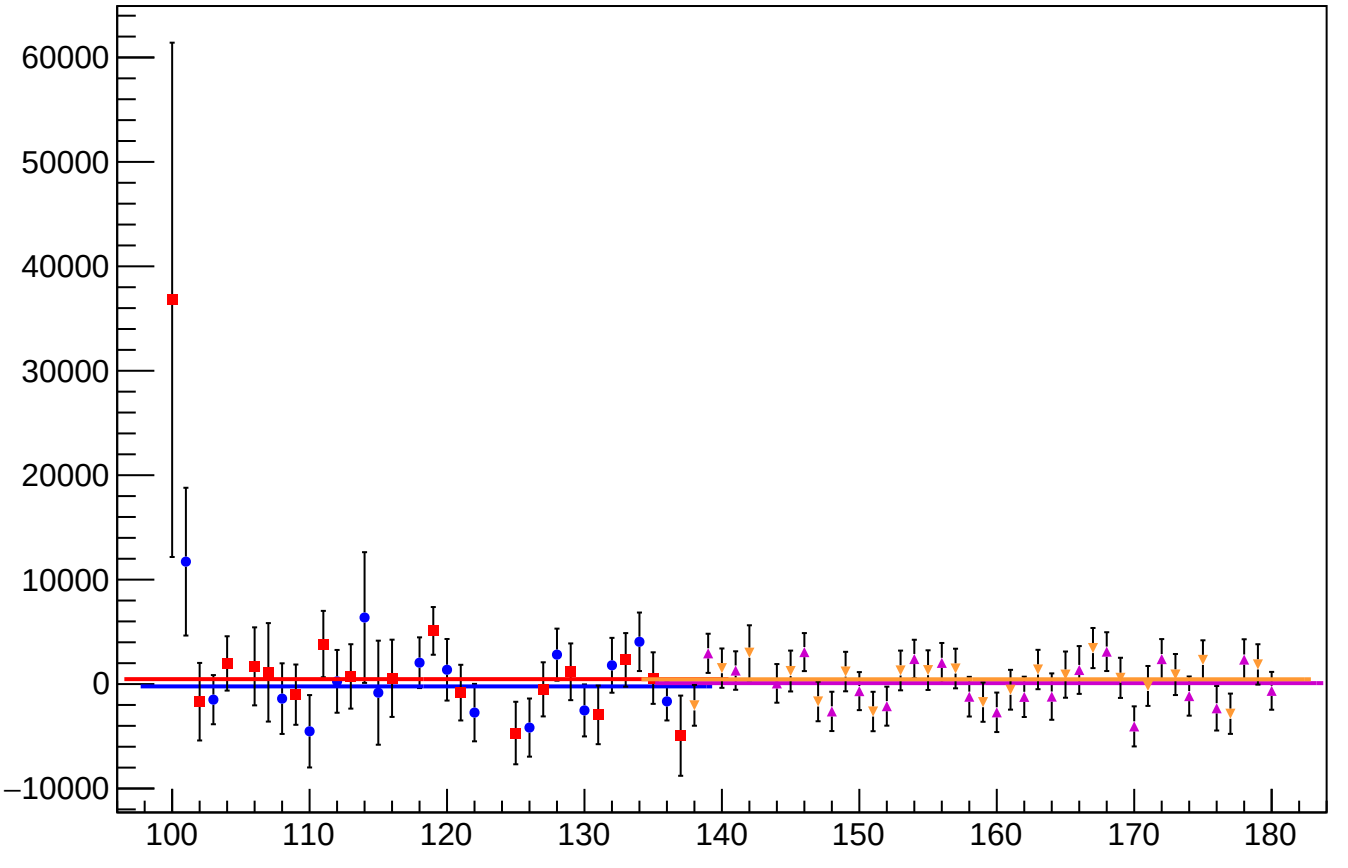
Left: 0.000+/-0.000 χ^2/NDF: 3330552.9/41

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6370306.6/36

Out: 0.000+/-0.000 χ^2/NDF:6867653.4/38

All: 0.000+/-0.000 χ^2/NDF: 13243561.6/75



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.421+/-424.111 χ^2/NDF:16.8/20

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 89.703+/-417.397 χ^2/NDF:27.4/20

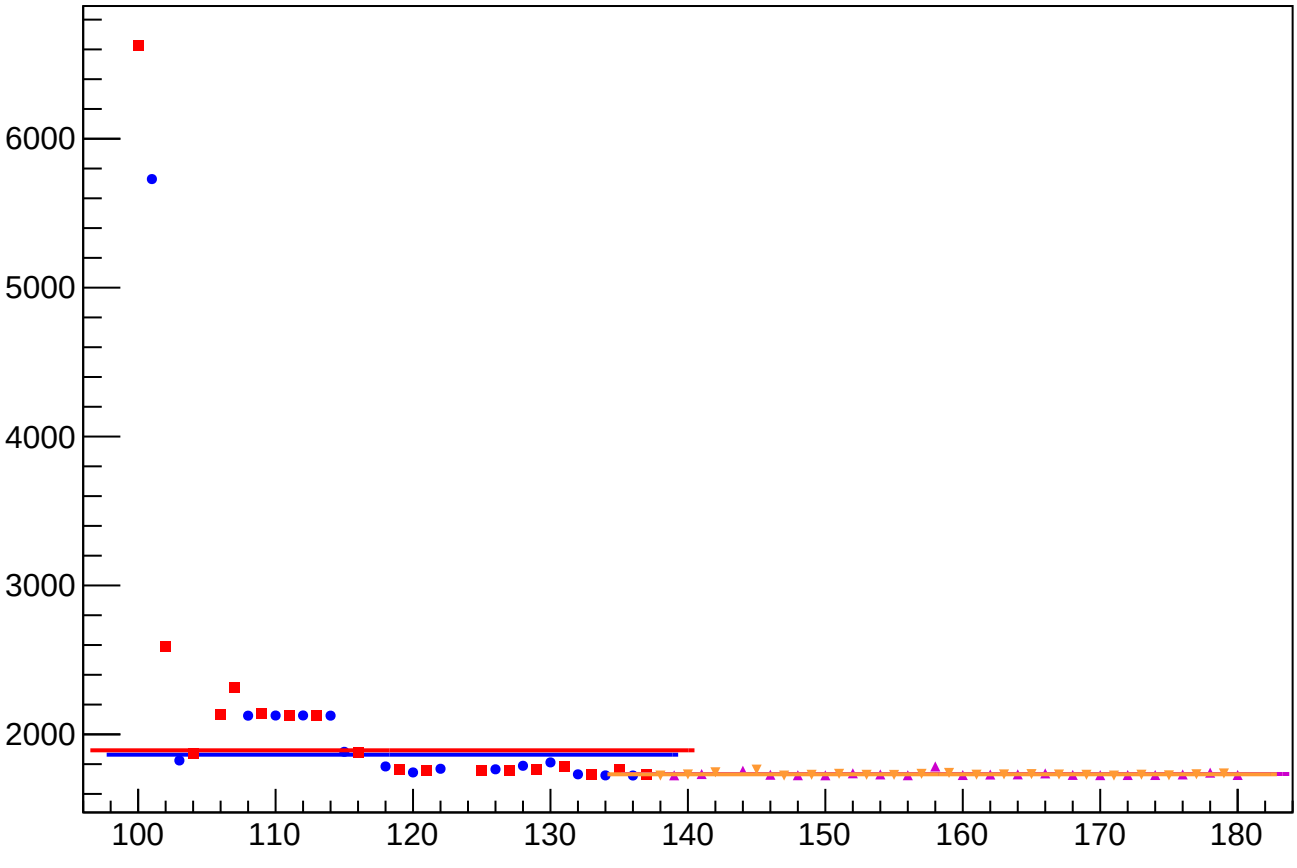
Left: 271.120+/-297.489 χ^2/NDF: 44.6/41

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 9.250+/-359.713 χ^2/NDF:43.4/36

Out: 462.088+/-364.297 χ^2/NDF:32.7/38

All: 232.802+/-255.961 χ^2/NDF: 76.8/75



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

Left: 1732.845+/-0.210 χ^2/NDF: 2962.5/41

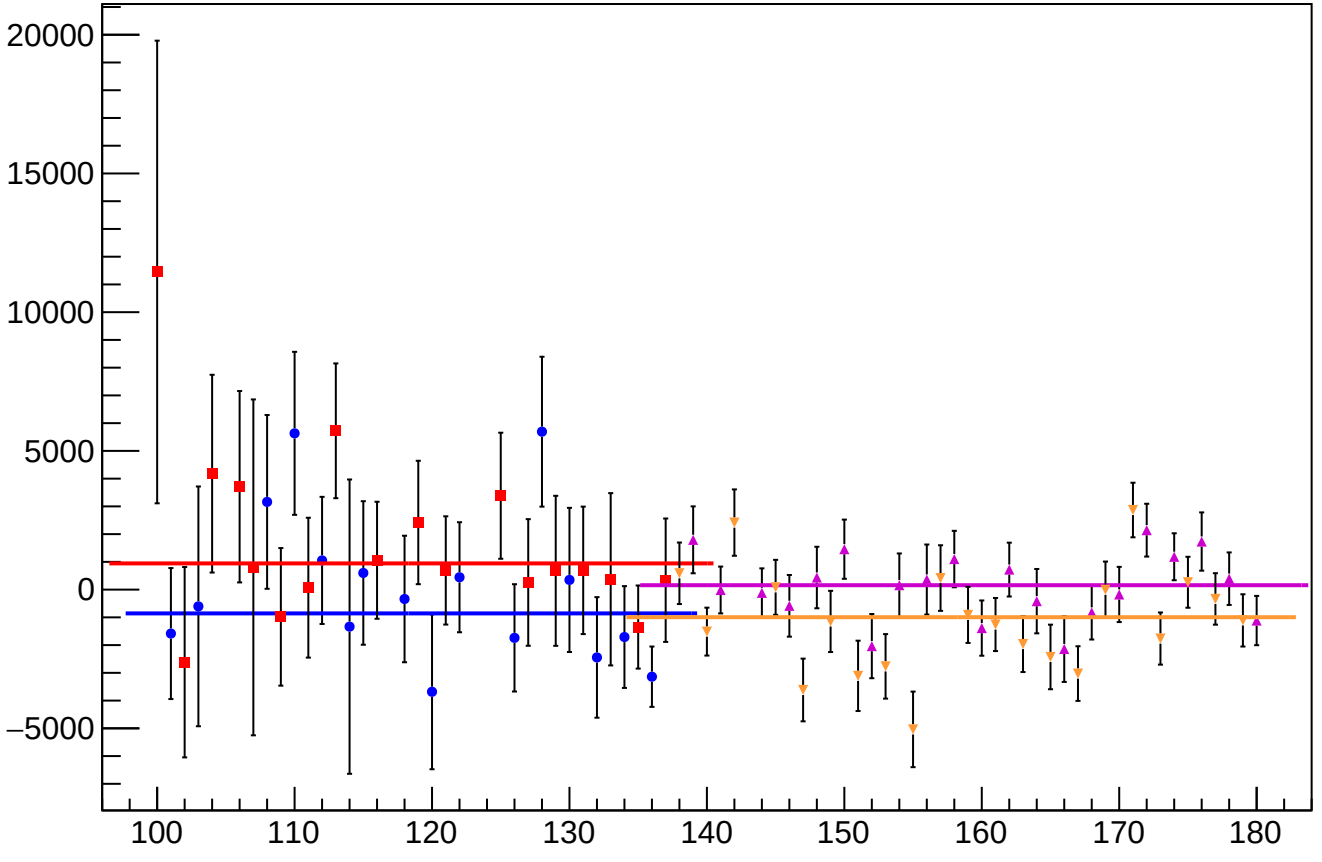
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1767.204+/-0.254 χ^2/NDF:726514.0/36

Out: 1774.058+/-0.258 χ^2/NDF:327928.9/38

All: 1770.588+/-0.181 χ^2/NDF: 1054801.4/75

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: -994.517+/-226.311 χ^2/NDF:58.7/20

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 158.904+/-221.628 χ^2/NDF:26.5/20

Left: -405.747+/-158.344 χ^2/NDF: 98.4/41

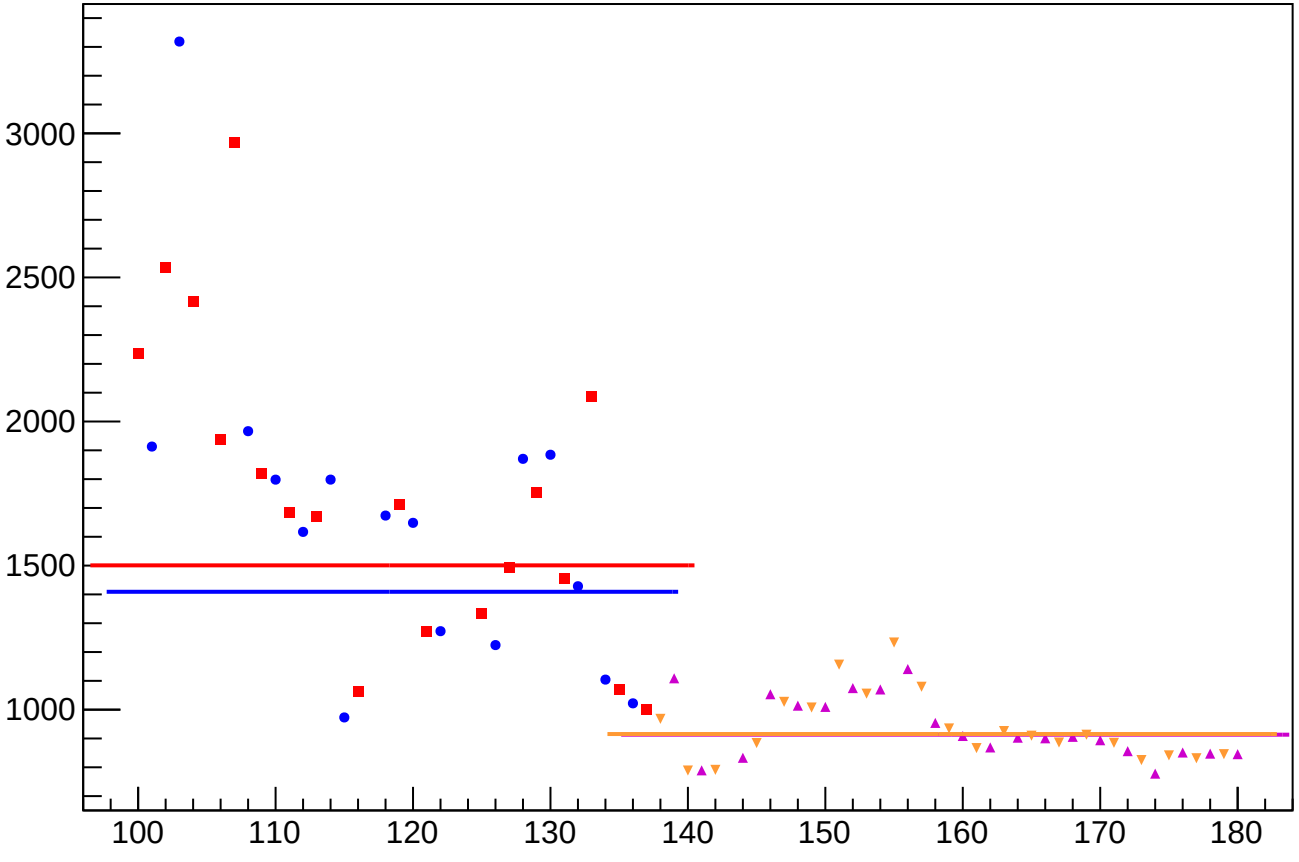
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: 16.855+/-205.555 χ^2/NDF:50.0/36

Out: -741.297+/-211.019 χ^2/NDF:81.2/38

All: -352.278+/-147.243 χ^2/NDF: 137.8/75

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 915.422+/-0.160 χ^2/NDF:421934.6/20

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 913.160+/-0.157 χ^2/NDF:413805.1/20

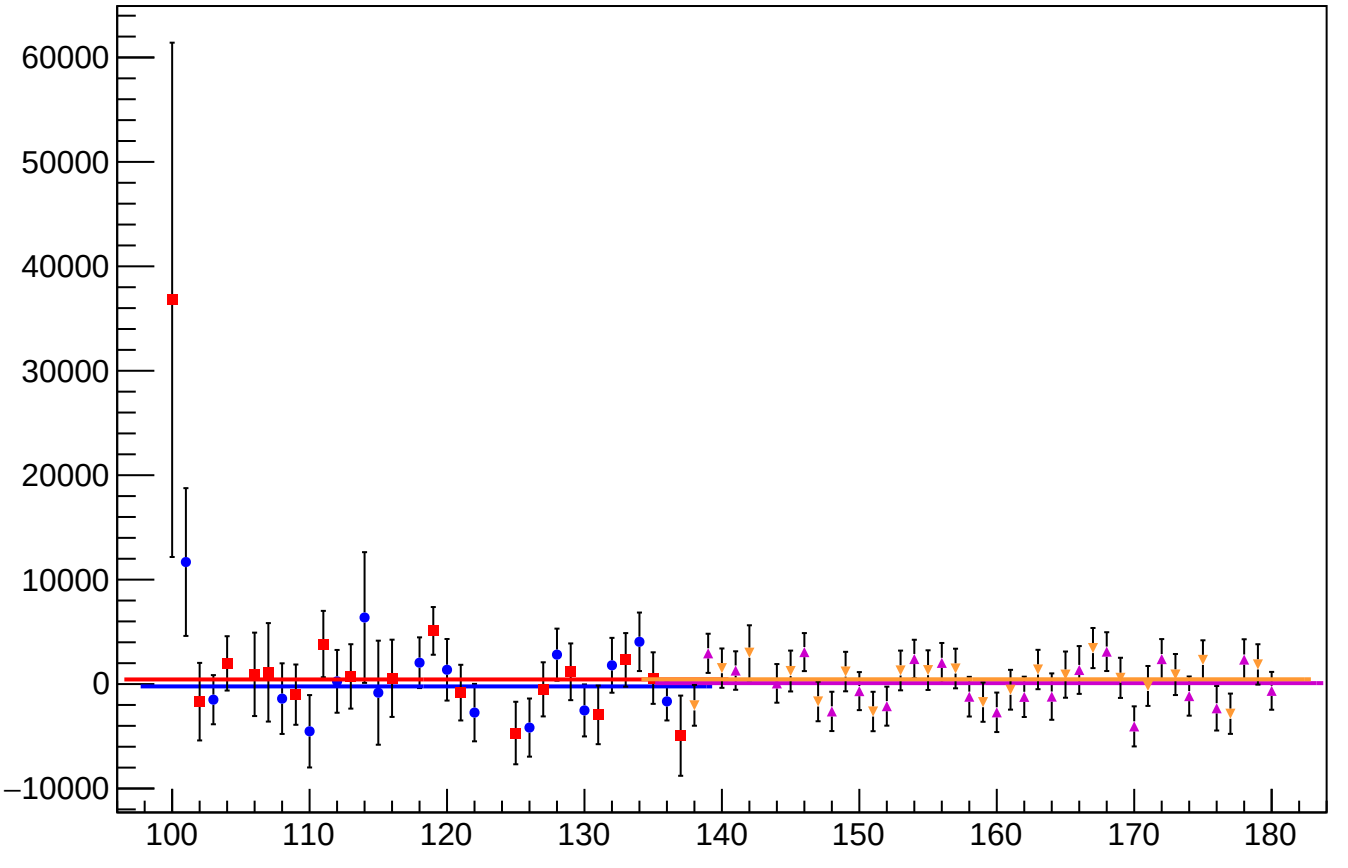
Left: 914.268+/-0.112 χ^2/NDF: 835841.8/41

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 982.484+/-0.145 χ^2/NDF:2981397.4/36

Out: 991.860+/-0.149 χ^2/NDF:3199962.0/38

All: 987.049+/-0.104 χ^2/NDF: 6183385.1/75



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 89.714+/-417.397 χ^2/NDF:27.4/20

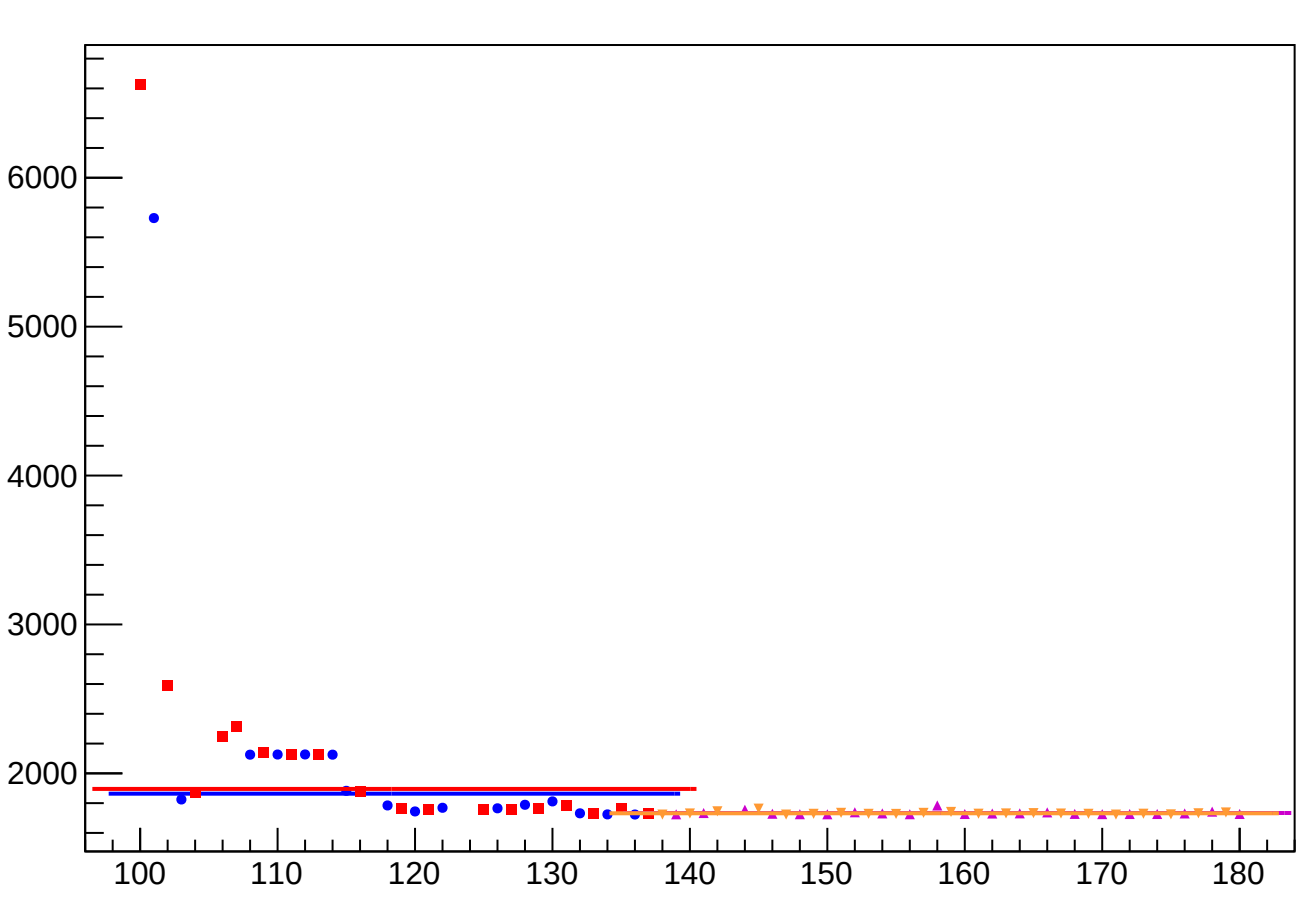
Left: 271.153+/-297.489 χ^2/NDF: 44.6/41

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 9.059+/-359.713 χ^2/NDF:43.3/36

Out: 454.437+/-364.514 χ^2/NDF:32.6/38

All: 228.796+/-256.036 χ^2/NDF: 76.7/75



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

Left: 1732.845+/-0.210 χ^2/NDF: 2962.5/41

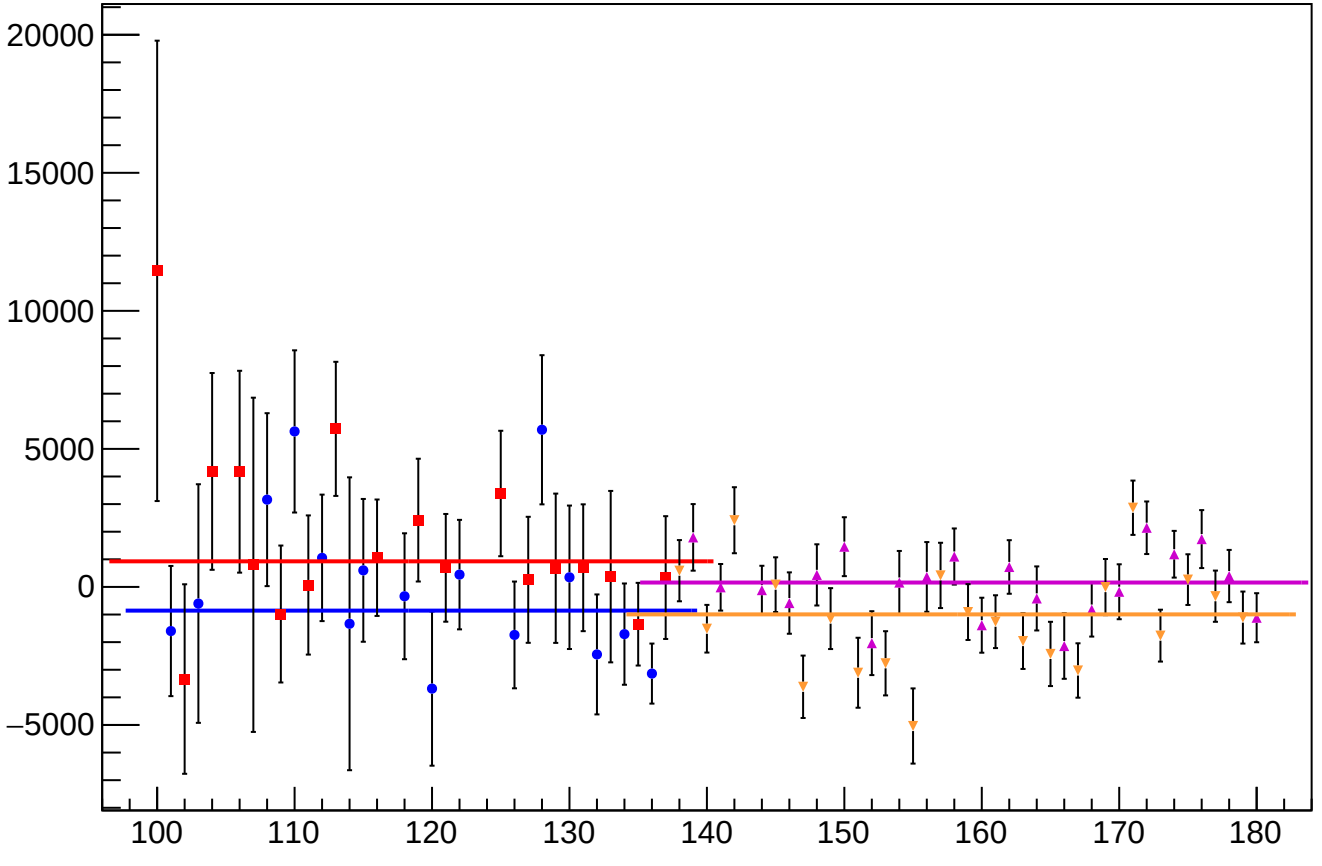
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1767.204+/-0.254 χ^2/NDF:726513.9/36

Out: 1774.602+/-0.258 χ^2/NDF:337810.6/38

All: 1770.854+/-0.181 χ^2/NDF: 1064741.9/75

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 158.886+/-221.627 χ^2/NDF:26.5/20

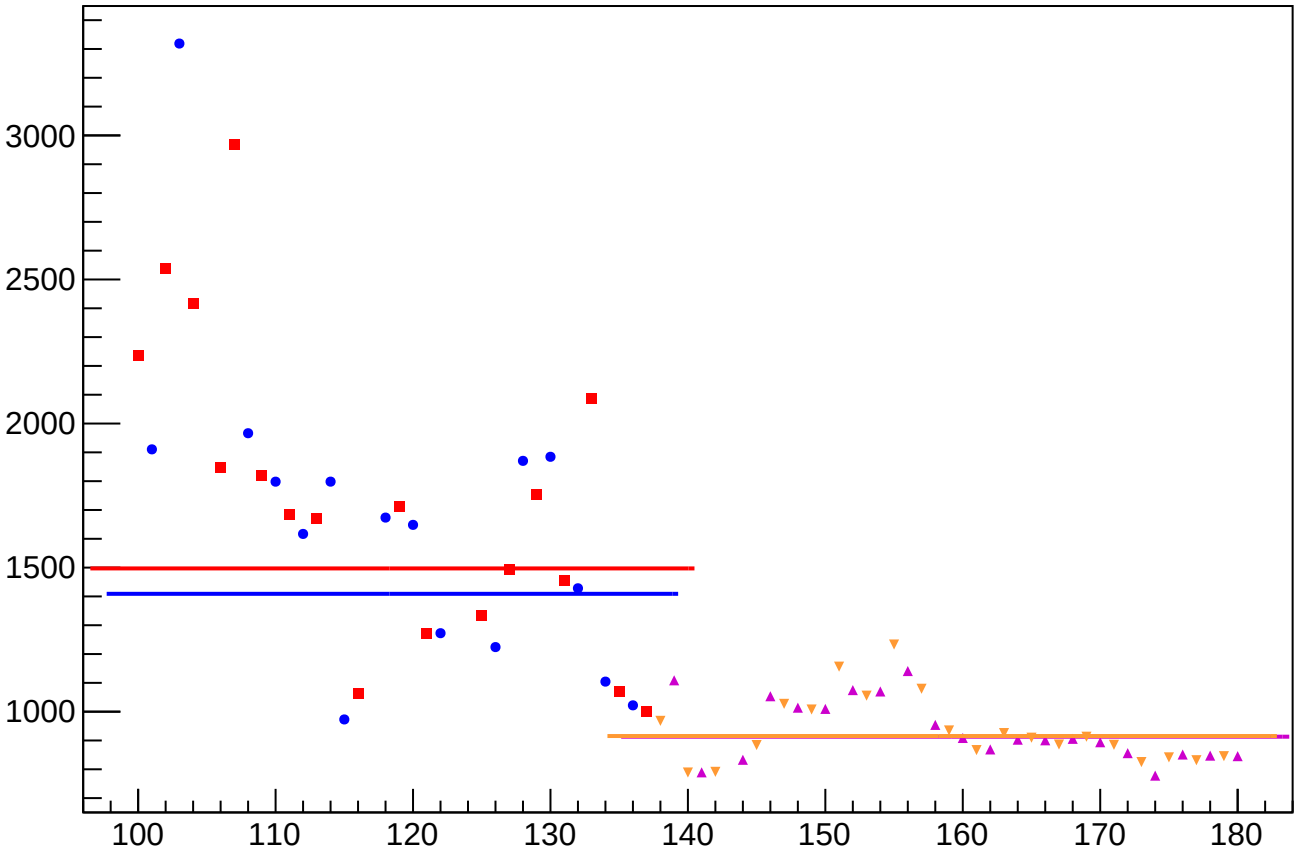
Left: -405.766+/-158.344 χ^2/NDF: 98.4/41

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 16.707+/-205.552 χ^2/NDF:50.1/36

Out: -744.293+/-211.063 χ^2/NDF:81.6/38

All: -353.729+/-147.257 χ^2/NDF: 138.3/75



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 913.156+/-0.157 χ^2/NDF:413820.8/20

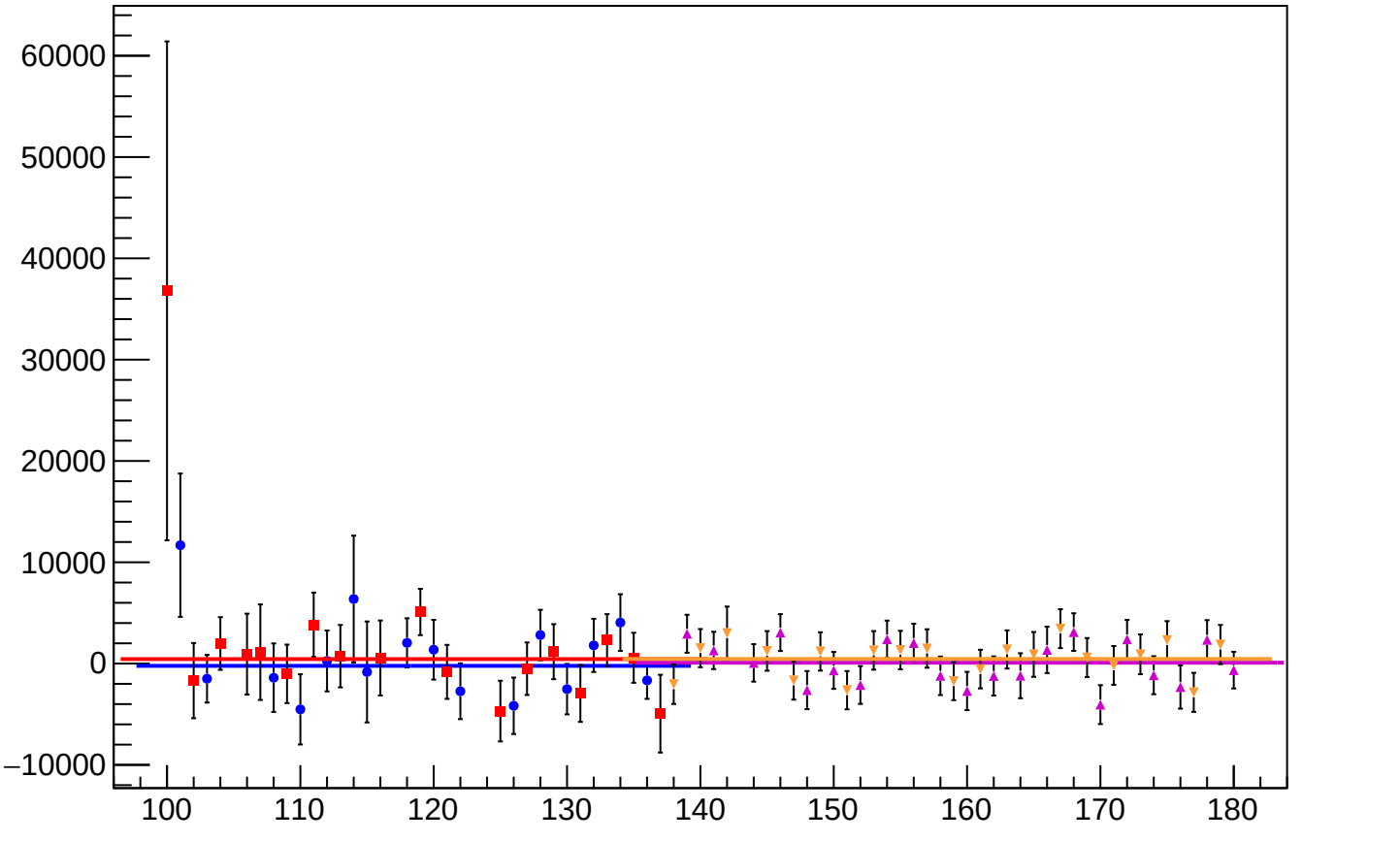
Left: 914.265+/-0.112 χ^2/NDF: 835828.4/41

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 982.479+/-0.145 χ^2/NDF:2980547.5/36

Out: 991.175+/-0.149 χ^2/NDF:3160840.2/38

All: 986.712+/-0.104 χ^2/NDF: 6143130.4/75



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 89.714+/-417.397 χ^2/NDF:27.4/20

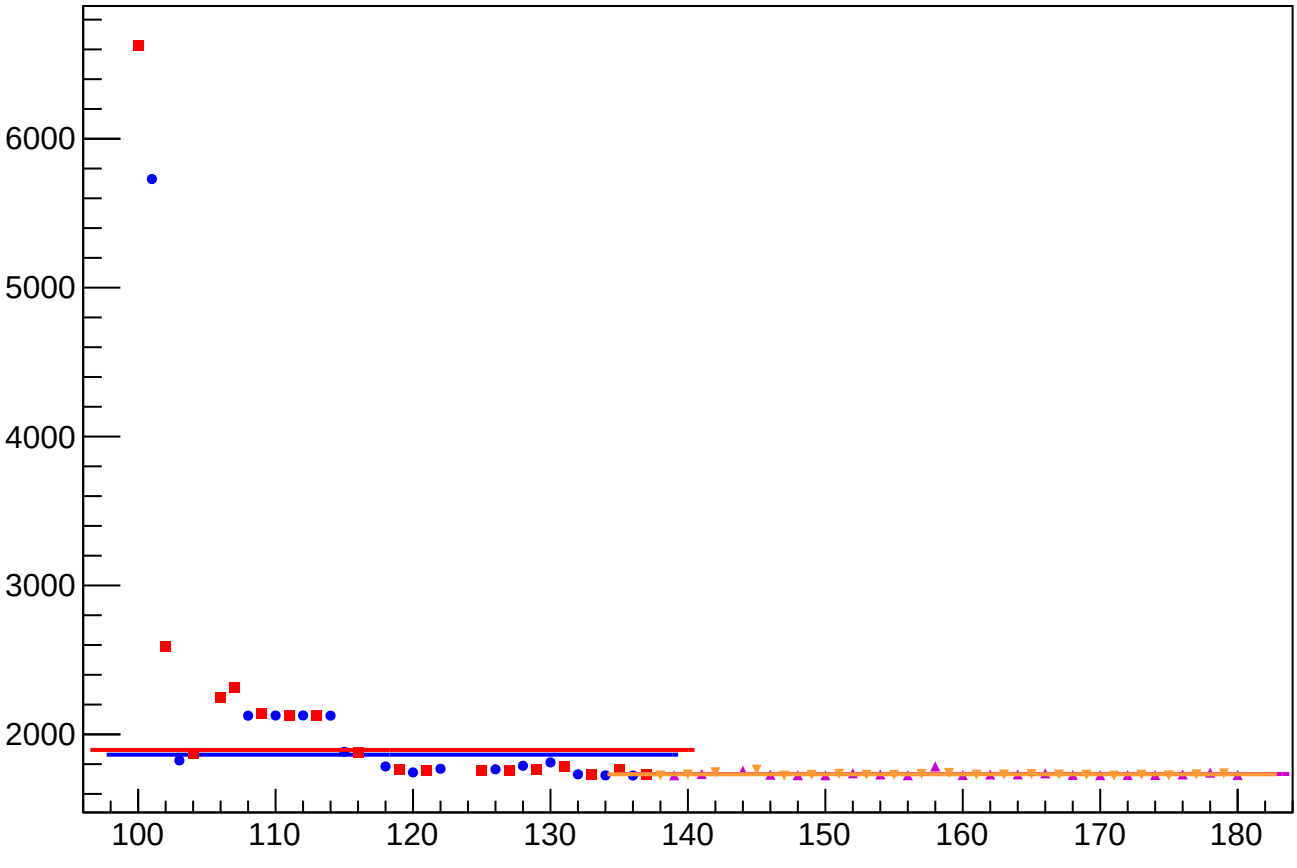
Left: 271.153+/-297.489 χ^2/NDF: 44.6/41

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 9.059+/-359.713 χ^2/NDF:43.3/36

Out: 454.437+/-364.514 χ^2/NDF:32.6/38

All: 228.796+/-256.036 χ^2/NDF: 76.7/75



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.816+/-0.295 χ^2/NDF:2111.6/20

Left: 1732.845+/-0.210 χ^2/NDF: 2962.5/41

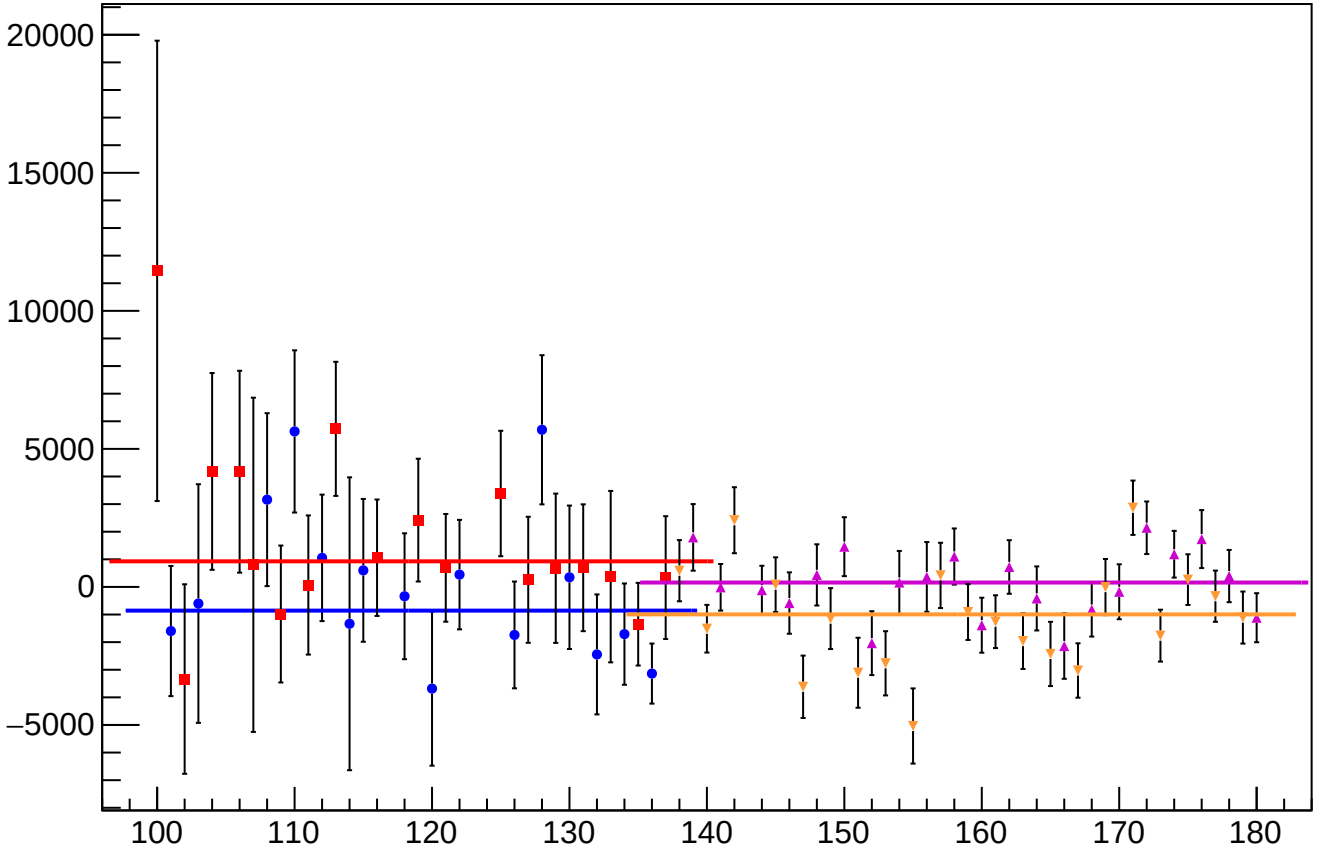
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1767.204+/-0.254 χ^2/NDF:726513.9/36

Out: 1774.602+/-0.258 χ^2/NDF:337810.6/38

All: 1770.854+/-0.181 χ^2/NDF: 1064741.9/75

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 158.886+/-221.627 χ^2/NDF:26.5/20

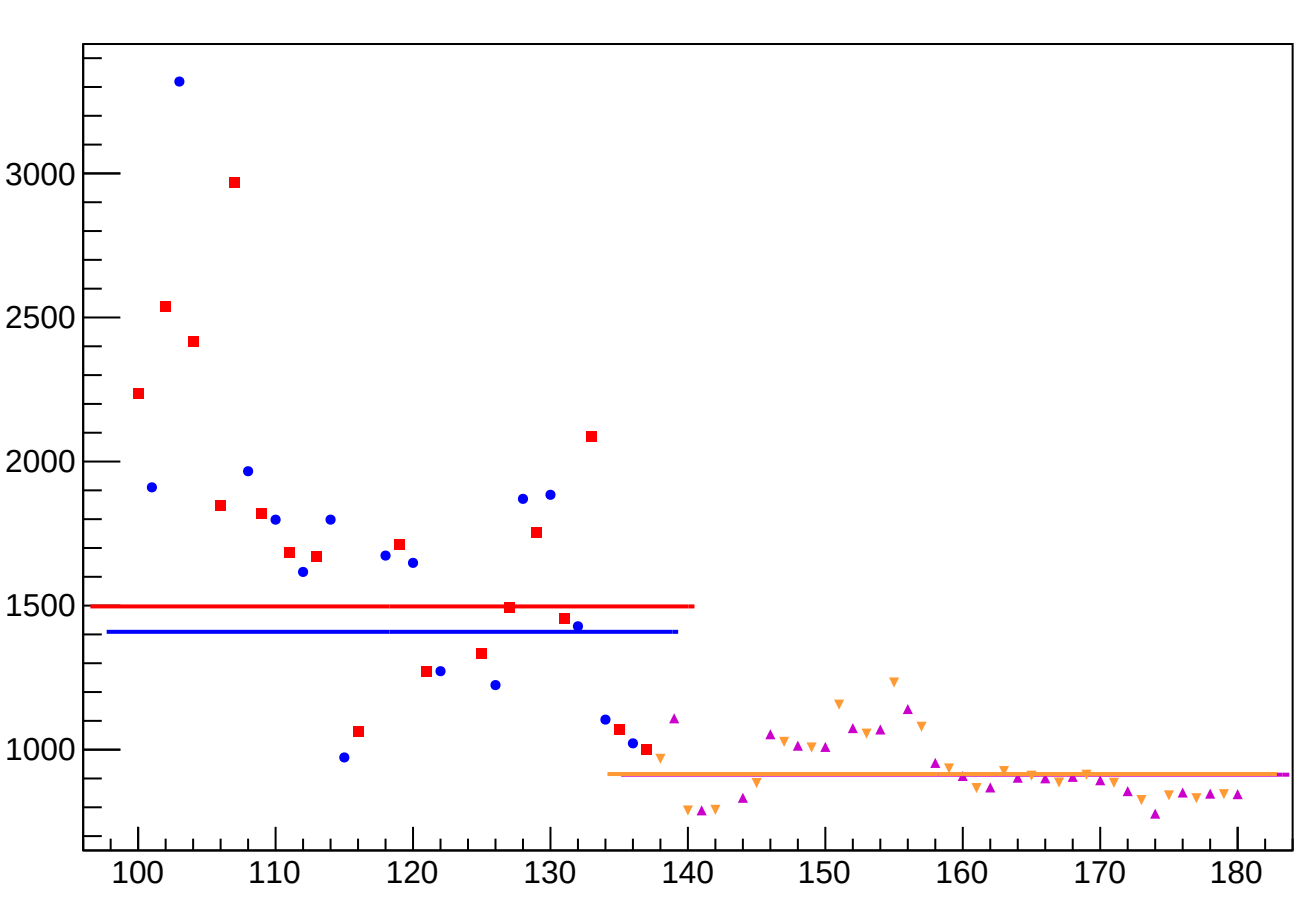
Left: -405.766+/-158.344 χ^2/NDF: 98.4/41

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 16.707+/-205.552 χ^2/NDF:50.1/36

Out: -744.293+/-211.063 χ^2/NDF:81.6/38

All: -353.729+/-147.257 χ^2/NDF: 138.3/75


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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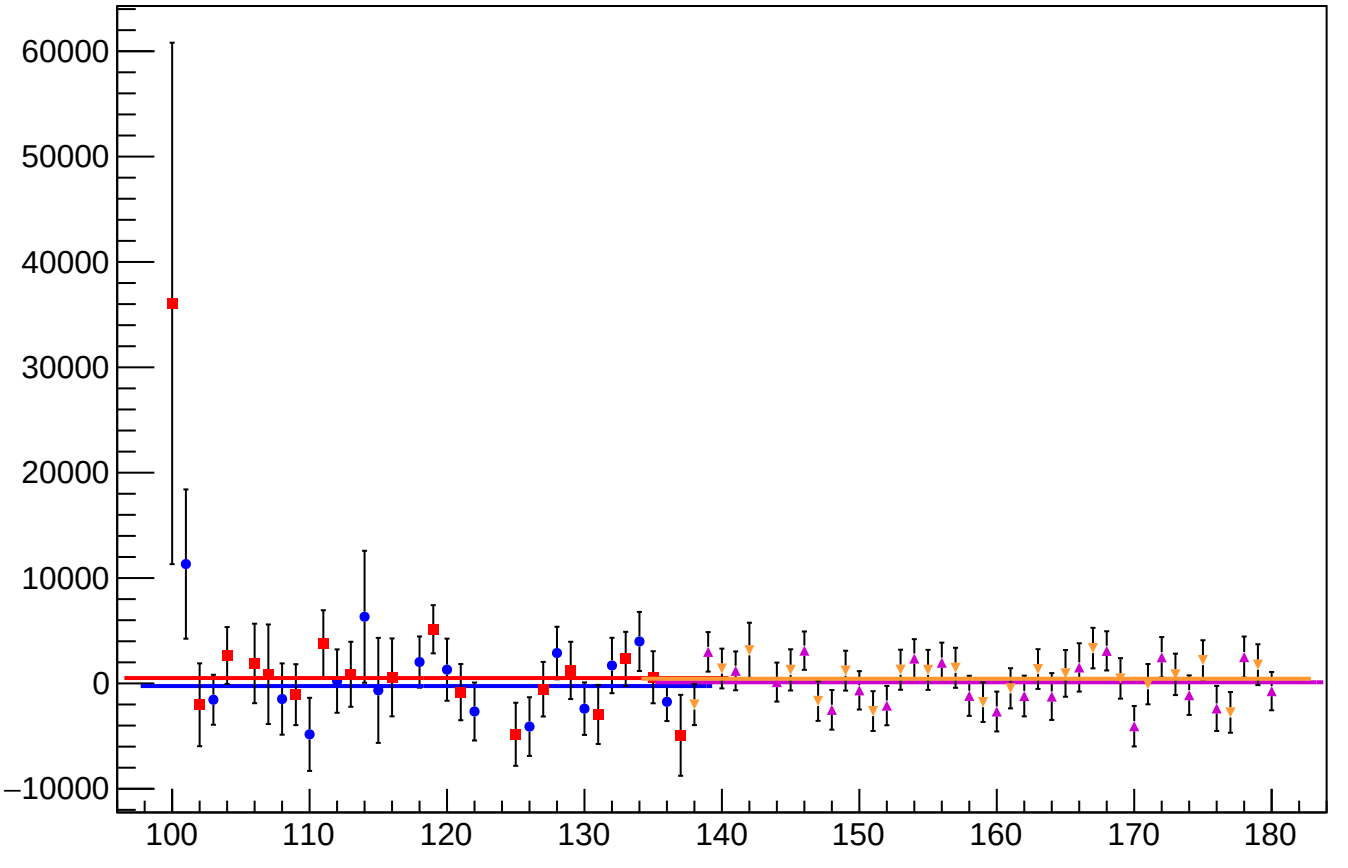
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 915.423+/-0.160 χ²/NDF:421905.1/20
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 913.156+/-0.157 χ²/NDF:413820.8/20
Left: 914.265+/-0.112 χ²/NDF: 835828.4/41
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 982.479+/-0.145 χ²/NDF:2980547.5/36
Out: 991.175+/-0.149 χ²/NDF:3160840.2/38
All: 986.712+/-0.104 χ²/NDF: 6143130.4/75



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 107.773+/-417.758 χ^2/NDF:27.5/20

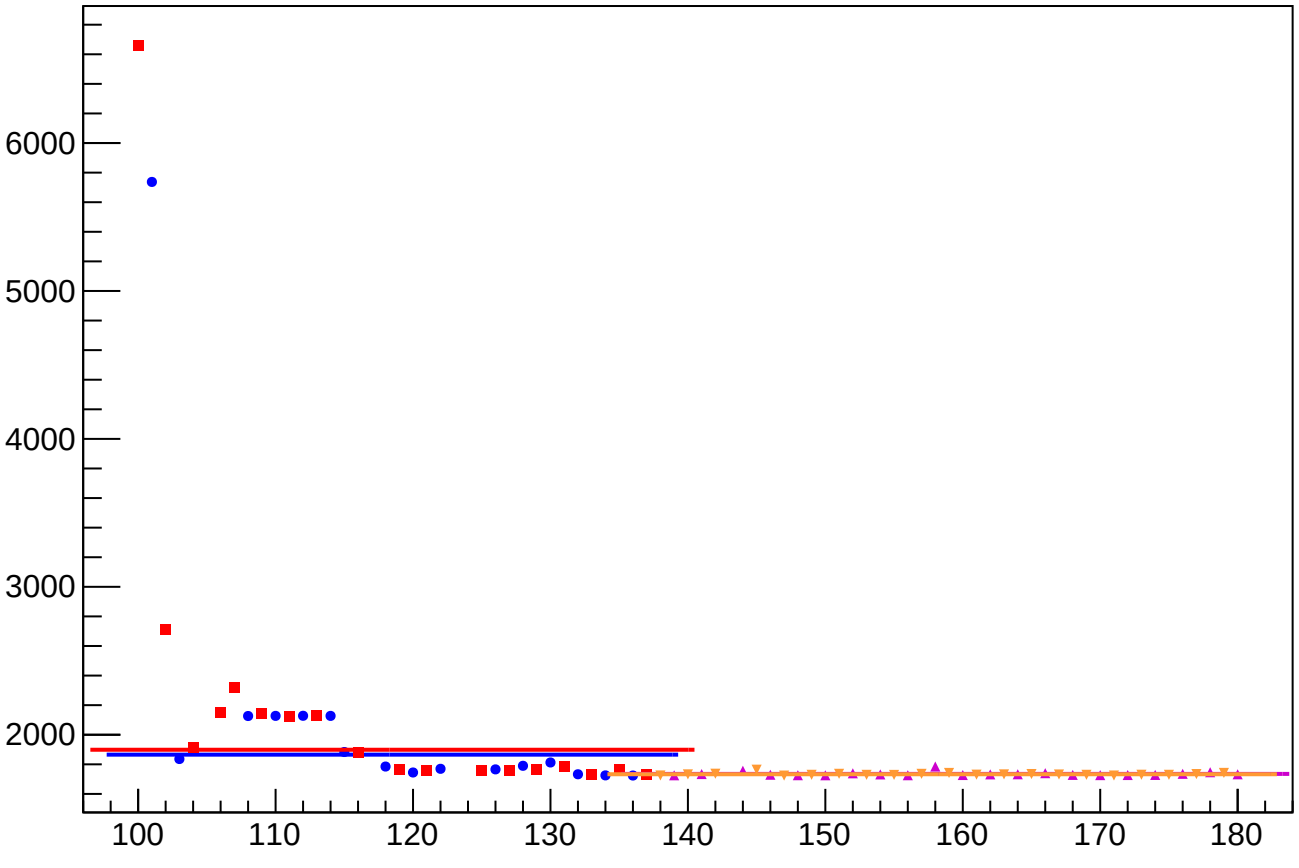
Left: 274.567+/-297.721 χ^2/NDF: 44.1/41

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 15.239+/-360.052 χ^2/NDF:43.3/36

Out: 463.215+/-365.012 χ^2/NDF:32.6/38

All: 236.162+/-256.331 χ^2/NDF: 76.8/75



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

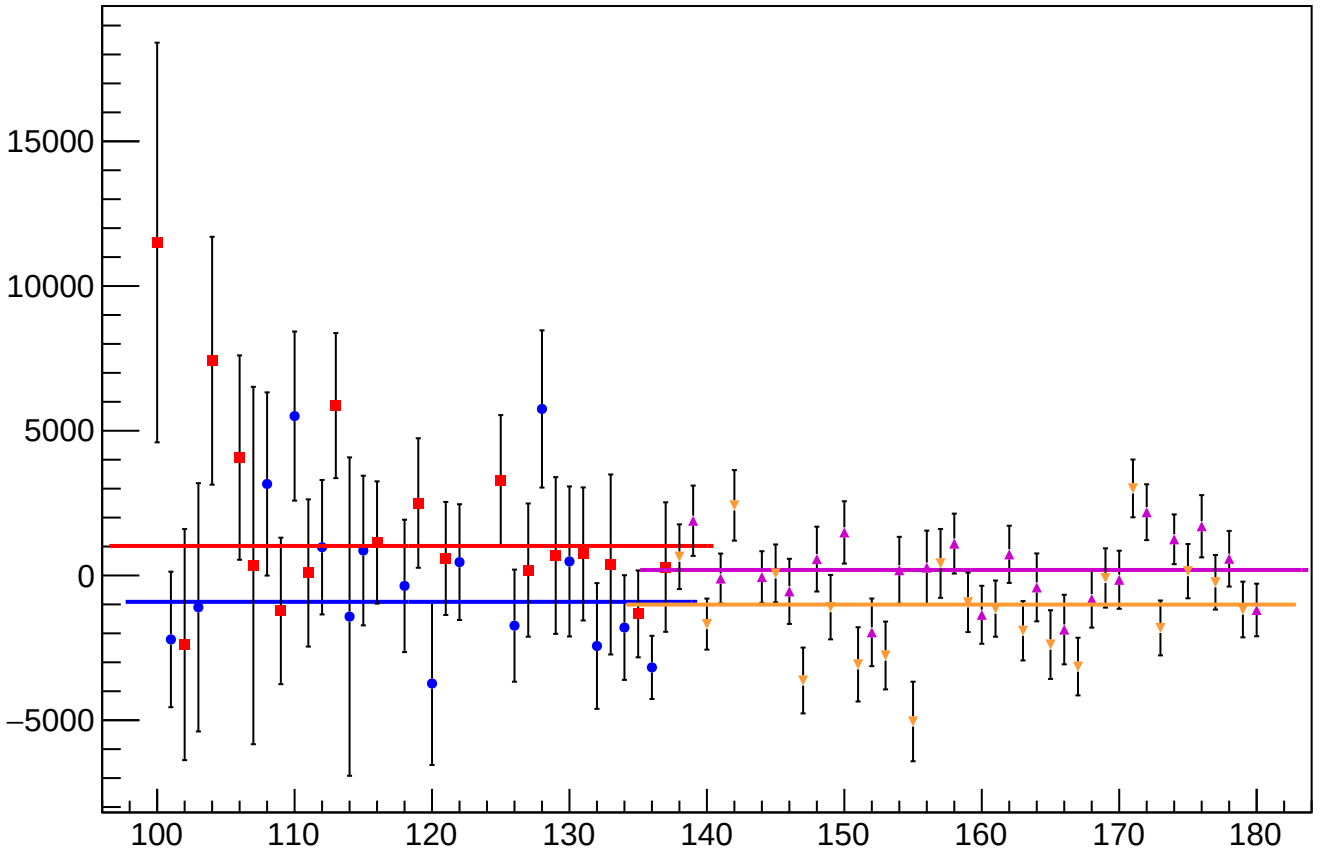
Left: 1734.178+/-0.211 χ^2/NDF: 2914.3/41

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1768.781+/-0.255 χ^2/NDF:727002.4/36

Out: 1776.110+/-0.258 χ^2/NDF:349146.0/38

All: 1772.395+/-0.181 χ^2/NDF: 1076557.1/75



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1005.464+/-229.397 χ^2/NDF:58.8/20

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 190.832+/-224.686 χ^2/NDF:25.6/20

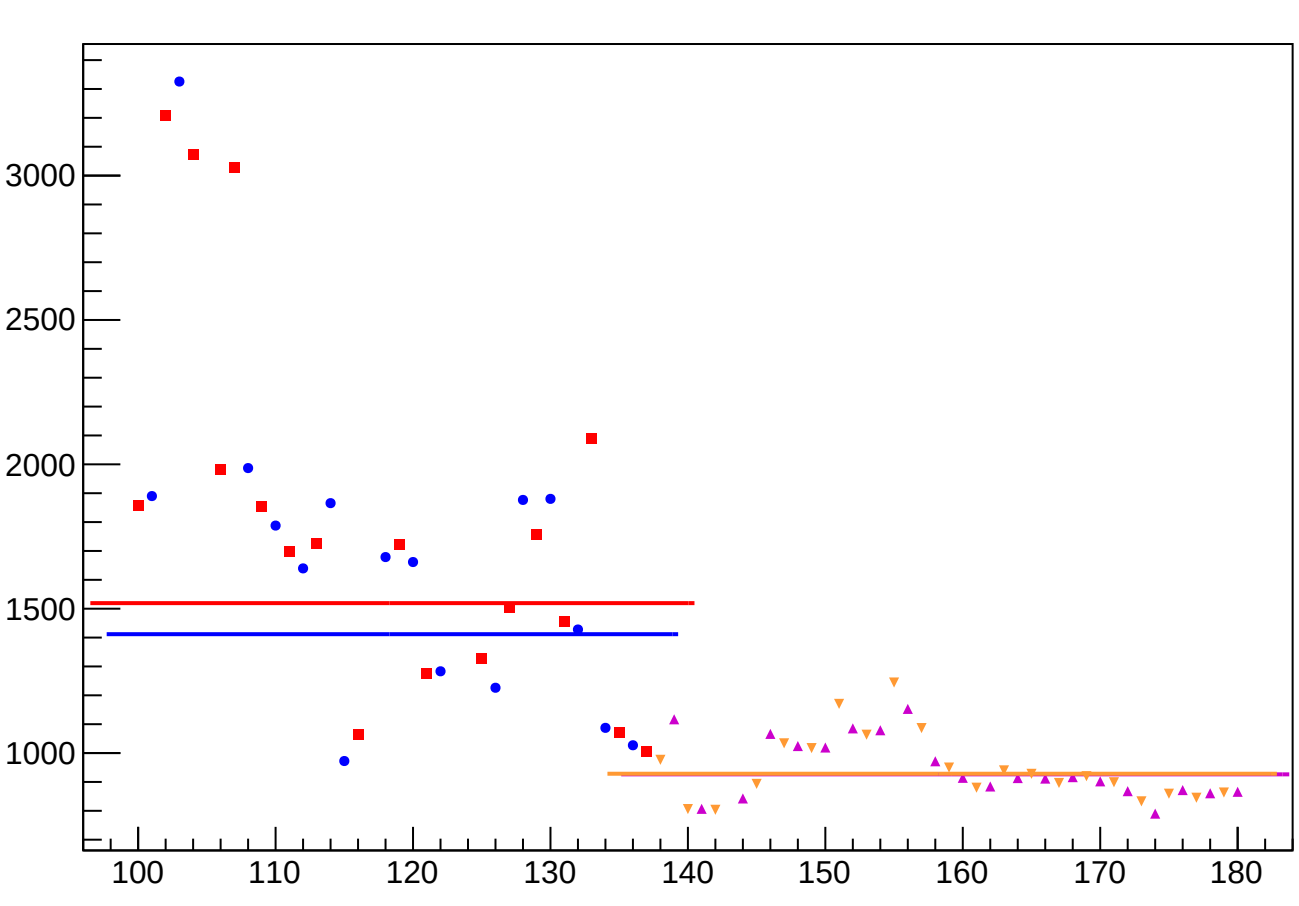
Left: -394.905+/-160.517 χ^2/NDF: 98.3/41

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 33.664+/-208.044 χ^2/NDF:50.0/36

Out: -740.712+/-213.881 χ^2/NDF:83.9/38

All: -342.813+/-149.130 χ^2/NDF: 140.7/75



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 928.431+/-0.162 χ^2/NDF:400396.0/20

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 926.282+/-0.159 χ^2/NDF:392123.0/20

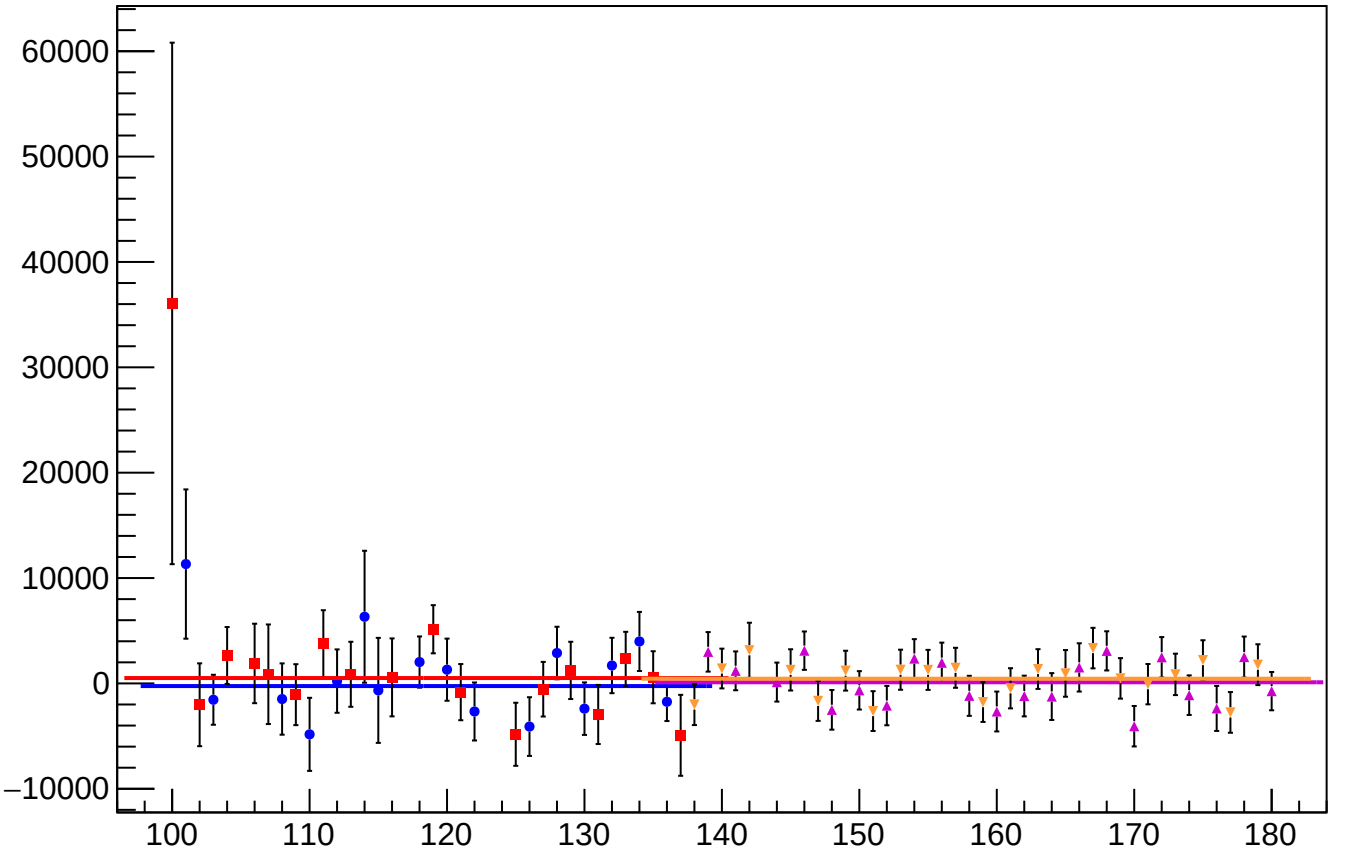
Left: 927.334+/-0.114 χ^2/NDF: 792608.6/41

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 995.533+/-0.147 χ^2/NDF:2901740.0/36

Out: 1005.661+/-0.151 χ^2/NDF:3494867.1/38

All: 1000.457+/-0.105 χ^2/NDF: 6398911.6/75



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 107.773+/-417.758 χ^2/NDF:27.5/20

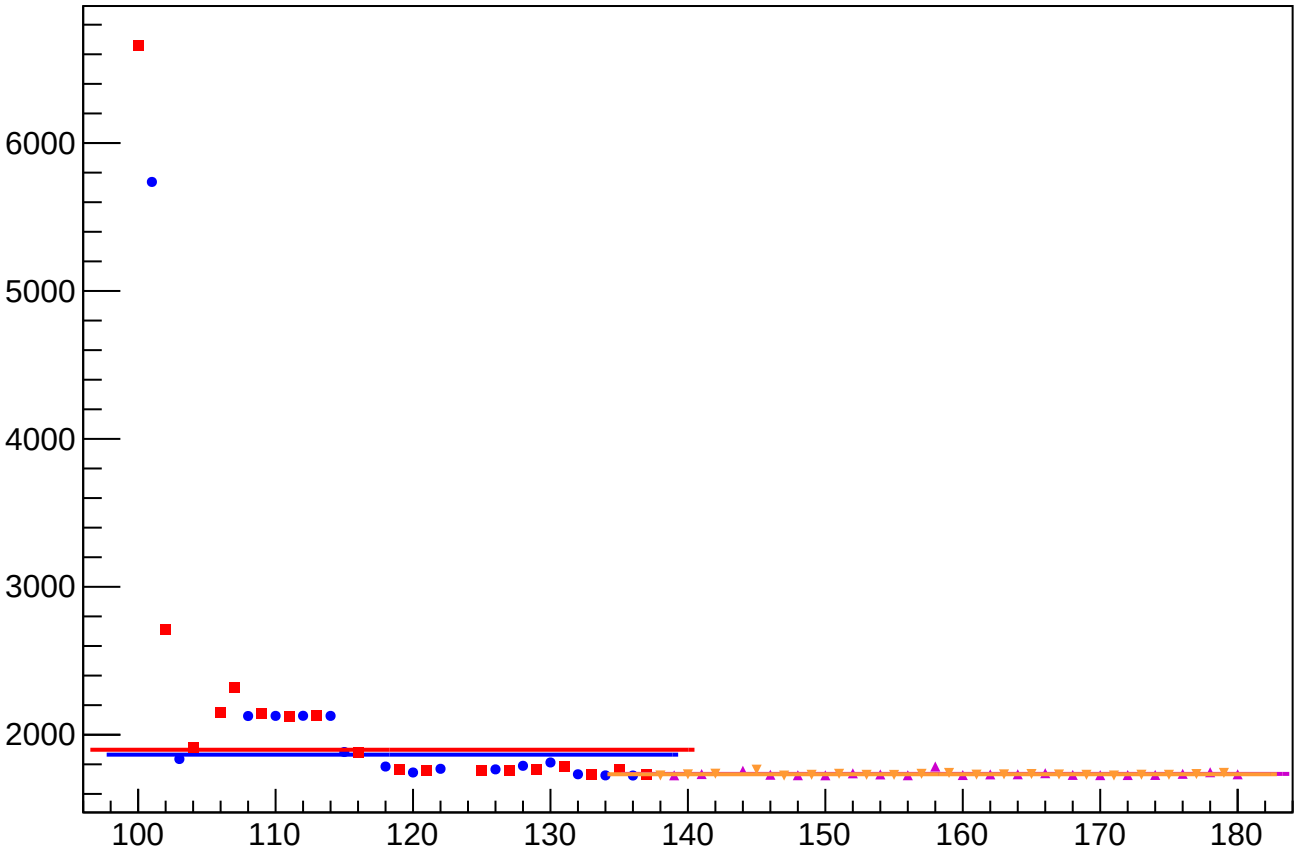
Left: 274.567+/-297.721 χ^2/NDF: 44.1/41

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 15.239+/-360.052 χ^2/NDF:43.3/36

Out: 463.214+/-365.012 χ^2/NDF:32.6/38

All: 236.162+/-256.331 χ^2/NDF: 76.8/75



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.315+/-0.295 χ^2/NDF:2107.0/20

Left: 1734.178+/-0.211 χ^2/NDF: 2914.3/41

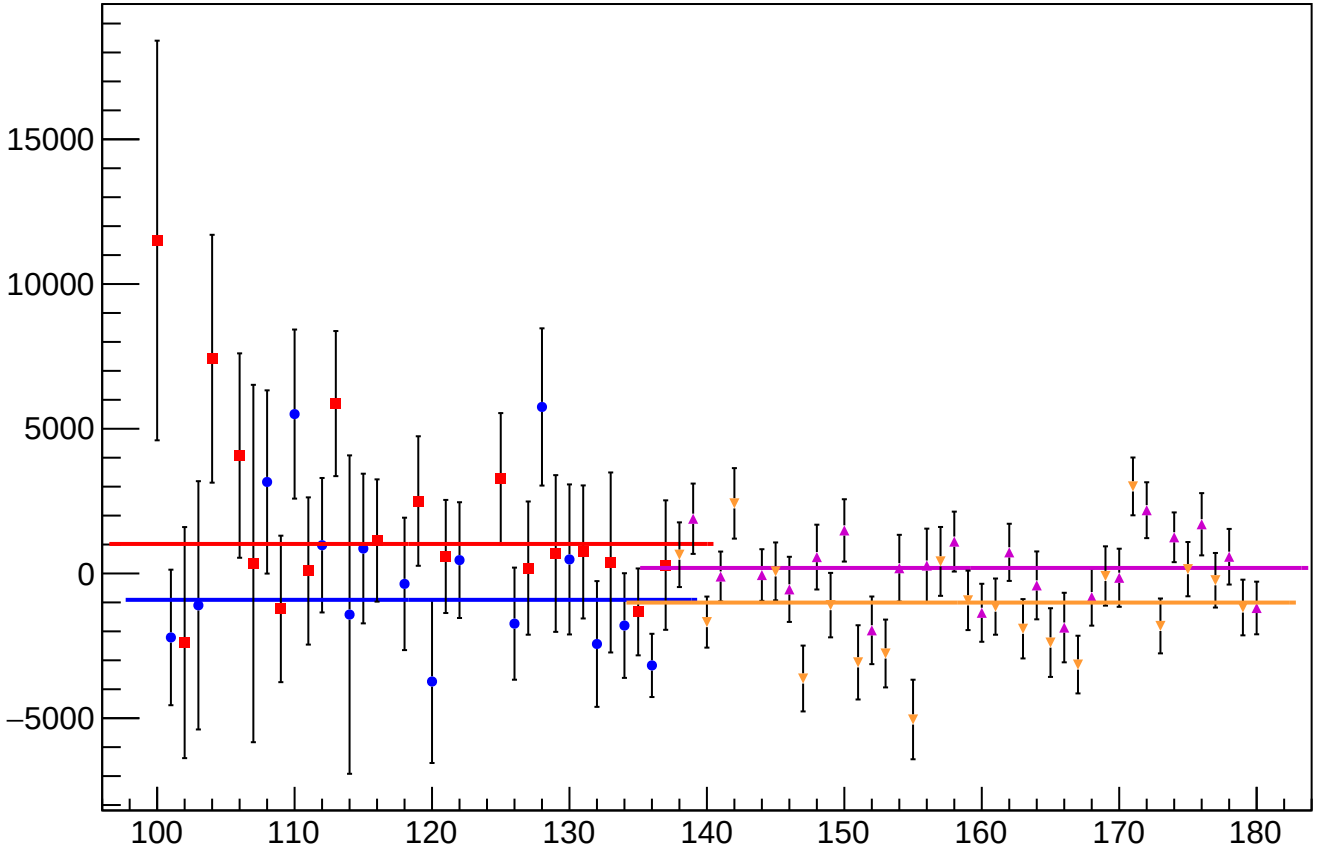
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1768.781+/-0.255 χ^2/NDF:727002.3/36

Out: 1776.110+/-0.258 χ^2/NDF:349145.7/38

All: 1772.395+/-0.181 χ^2/NDF: 1076556.7/75

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: -1005.464+/-229.397 χ^2/NDF:58.8/20

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 190.830+/-224.686 χ^2/NDF:25.6/20

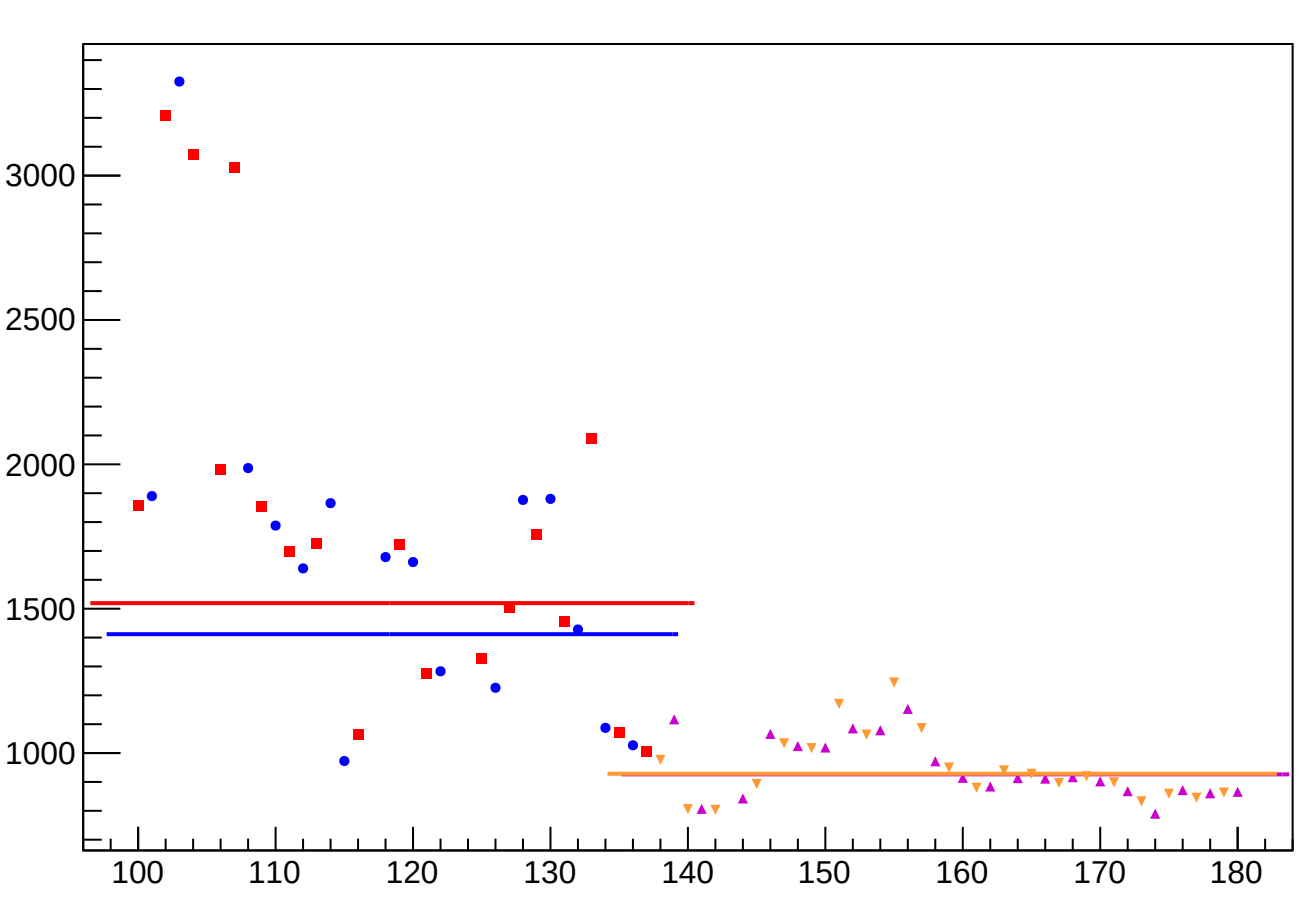
Left: -394.905+/-160.517 χ^2/NDF: 98.3/41

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 33.663+/-208.044 χ^2/NDF:50.0/36

Out: -740.711+/-213.881 χ^2/NDF:83.9/38

All: -342.813+/-149.130 χ^2/NDF: 140.7/75


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
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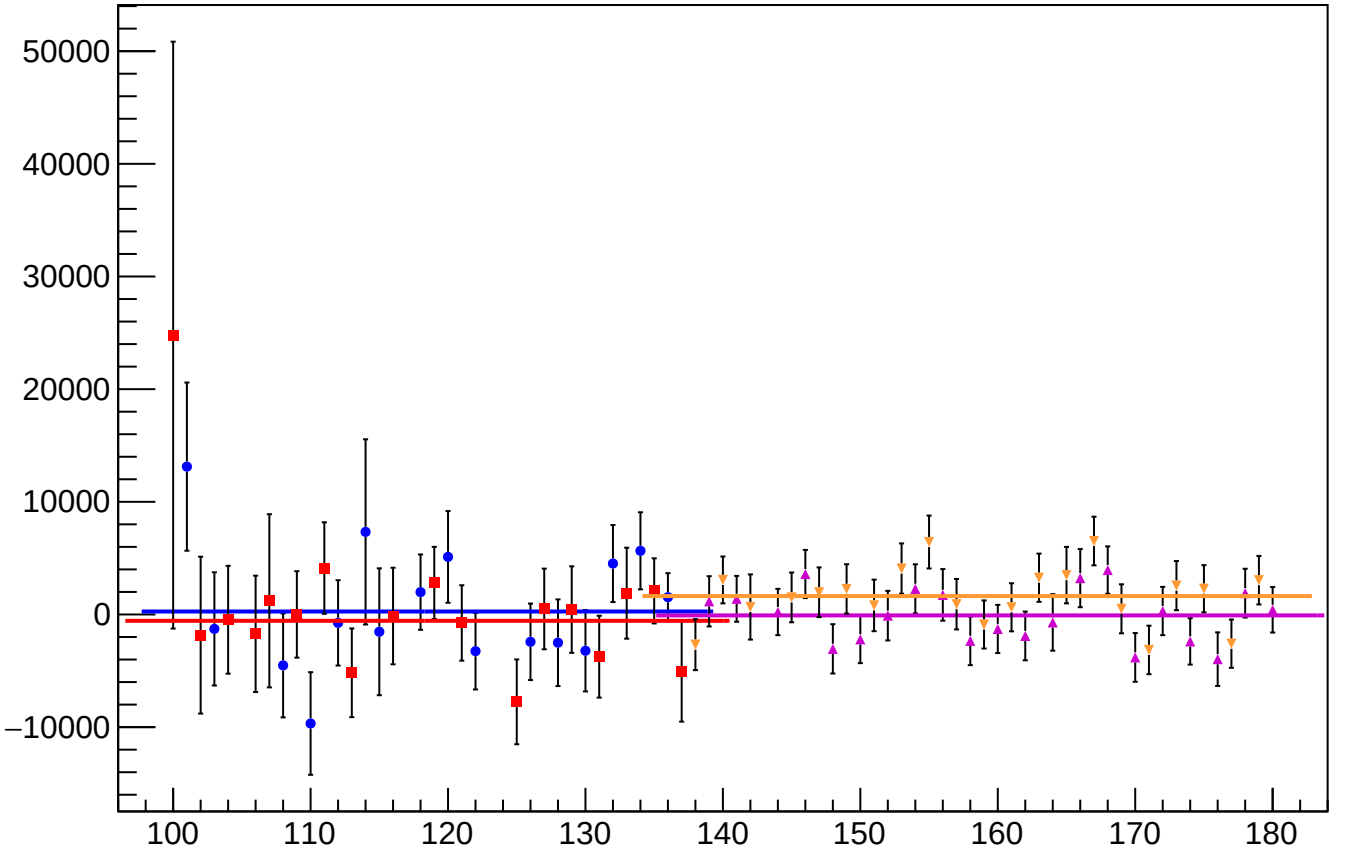
160
170
180
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 928.431+/-0.162 χ²/NDF:400404.5/20
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 926.282+/-0.159 χ²/NDF:392131.6/20
Left: 927.334+/-0.114 χ²/NDF: 792625.7/41
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 995.532+/-0.147 χ²/NDF:2901737.7/36
Out: 1005.660+/-0.151 χ²/NDF:3494871.1/38
All: 1000.456+/-0.105 χ²/NDF: 6398913.3/75



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1632.731+/-484.122 χ^2/NDF:27.6/20

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -82.383+/-475.366 χ^2/NDF:23.8/20

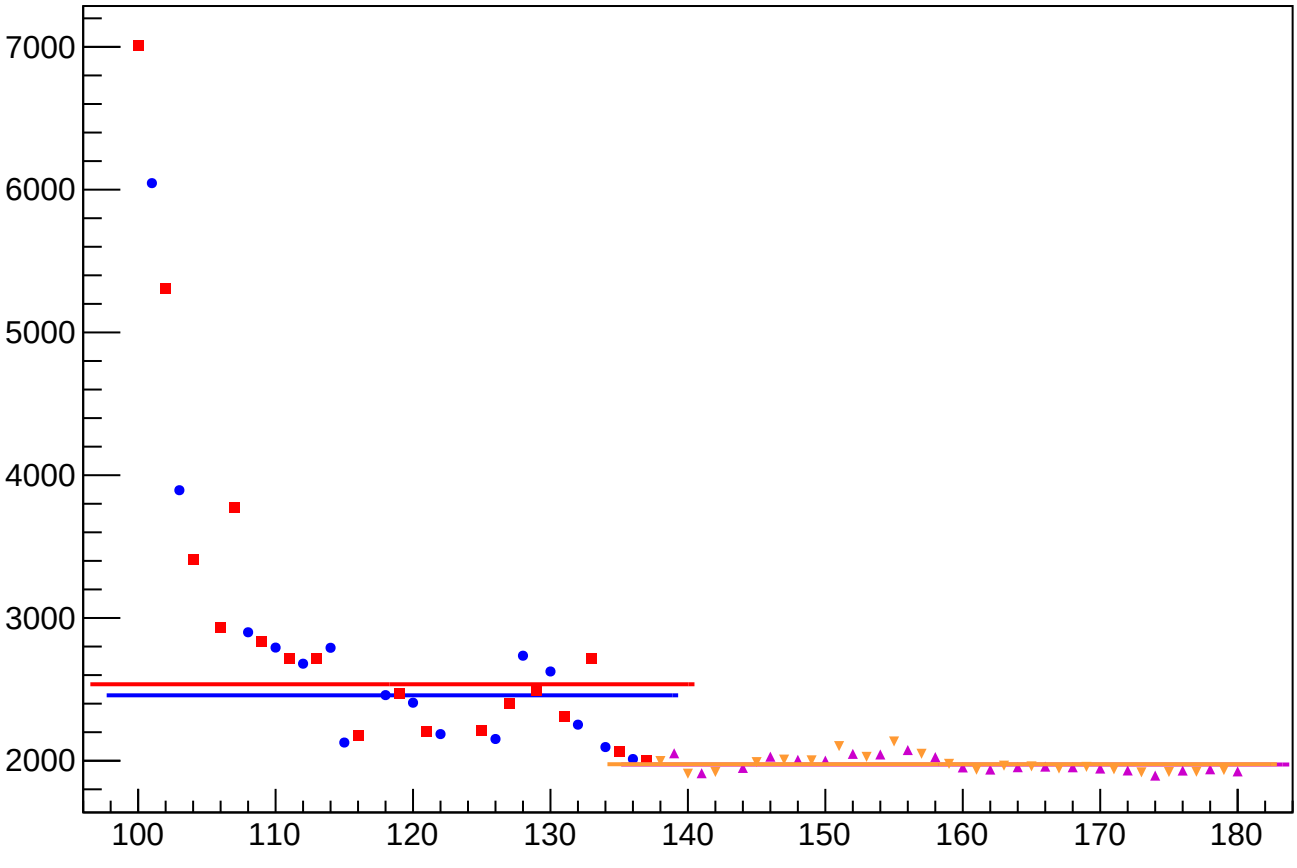
Left: 759.523+/-339.188 χ^2/NDF: 57.8/41

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -11.998+/-424.389 χ^2/NDF:42.9/36

Out: 1190.125+/-432.535 χ^2/NDF:43.5/38

All: 577.637+/-302.927 χ^2/NDF: 90.3/75



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1975.745+/-0.342 χ^2/NDF:28798.7/20

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1973.783+/-0.336 χ^2/NDF:23379.8/20

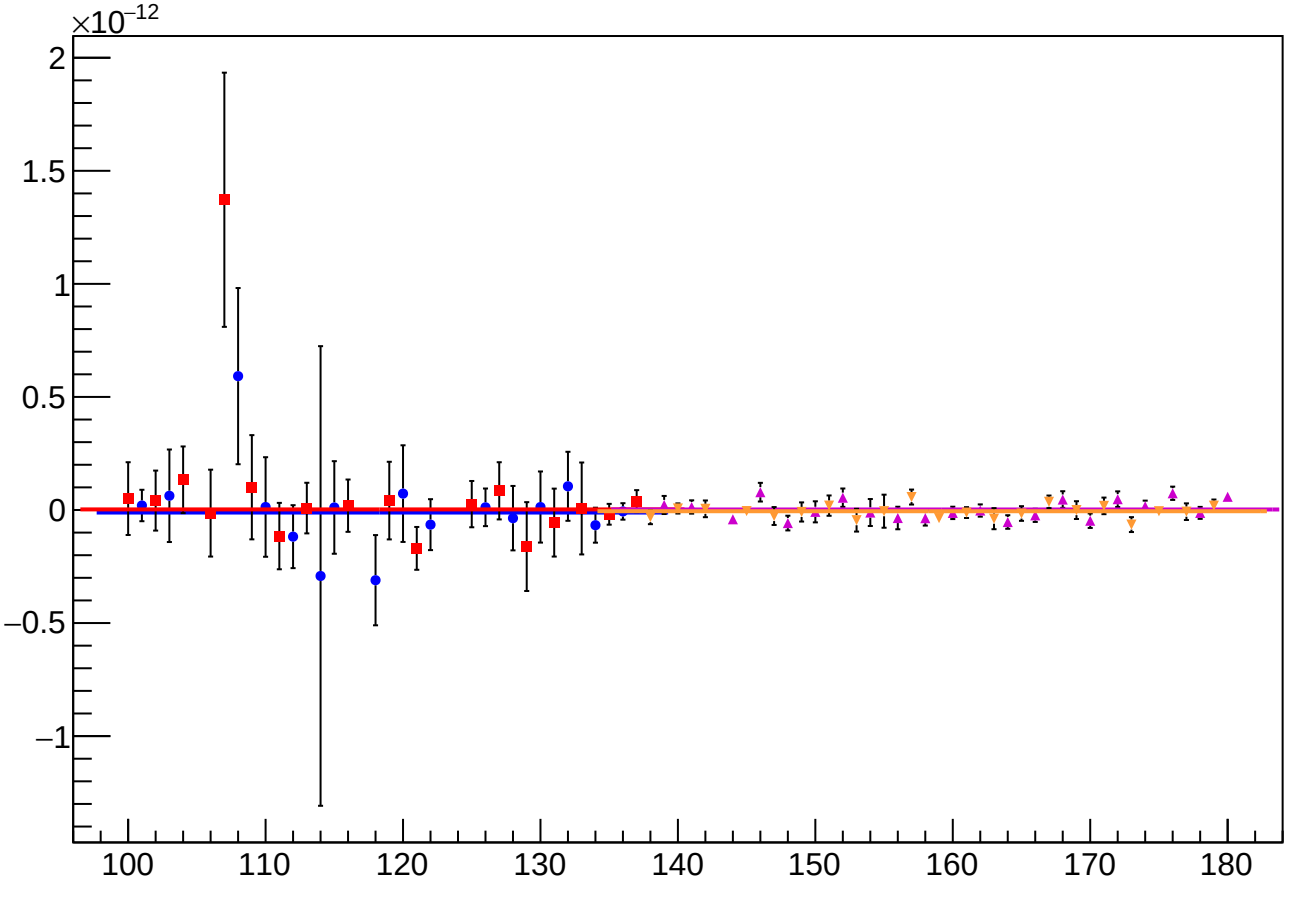
Left: 1974.746+/-0.240 χ^2/NDF: 52195.2/41

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2072.135+/-0.300 χ^2/NDF:1278056.0/36

Out: 2088.740+/-0.306 χ^2/NDF:1242141.3/38

All: 2080.280+/-0.214 χ^2/NDF: 2521699.2/75



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:38.9/20

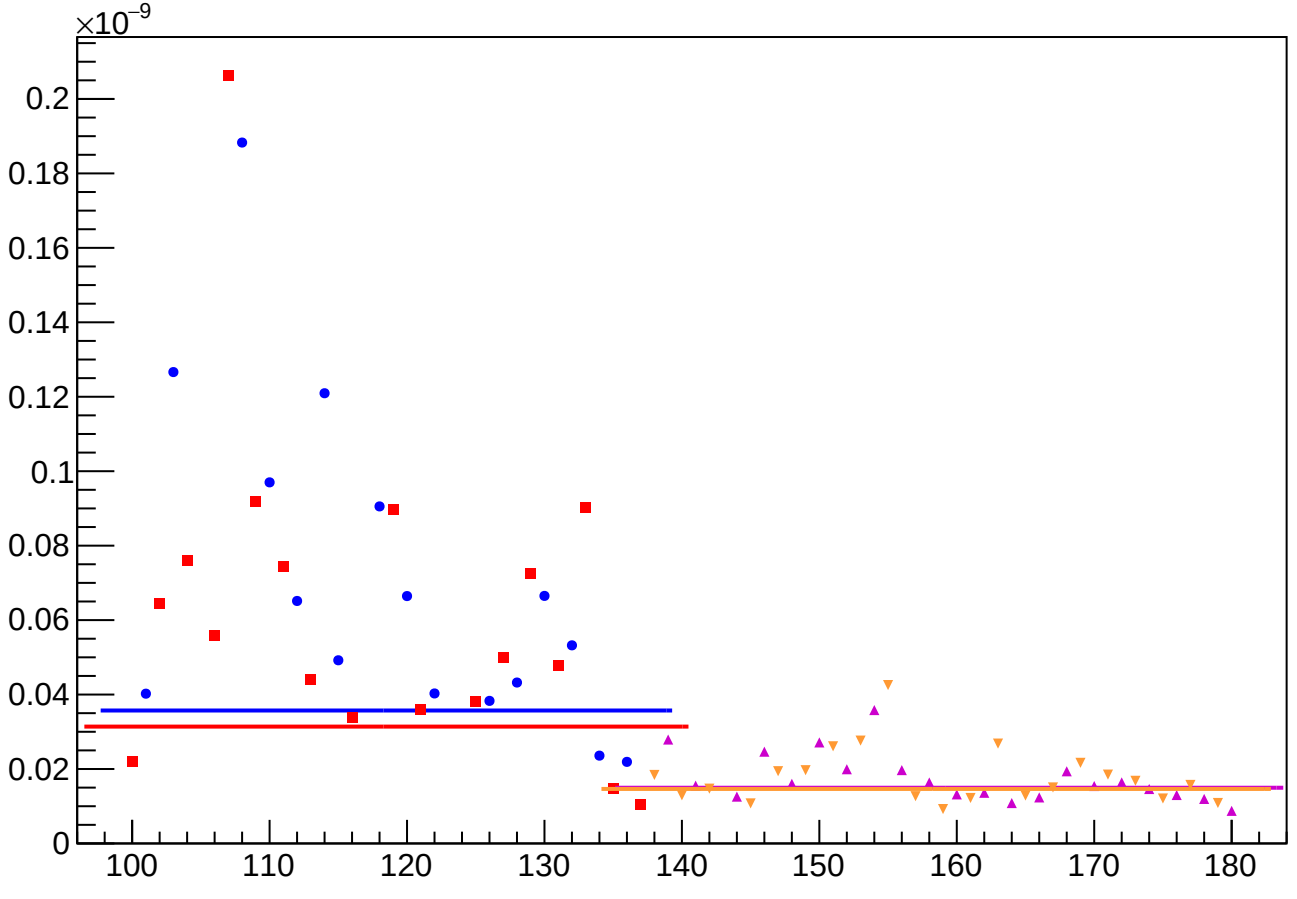
Left: -0.000+/-0.000 χ^2/NDF: 54.7/41

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: 0.000+/-0.000 χ^2/NDF:46.5/36

Out: -0.000+/-0.000 χ^2/NDF:28.4/38

All: -0.000+/-0.000 χ^2/NDF: 75.4/75



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1172432.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1086501.1/20

Left: 0.000+/-0.000 χ^2/NDF: 2261231.0/41

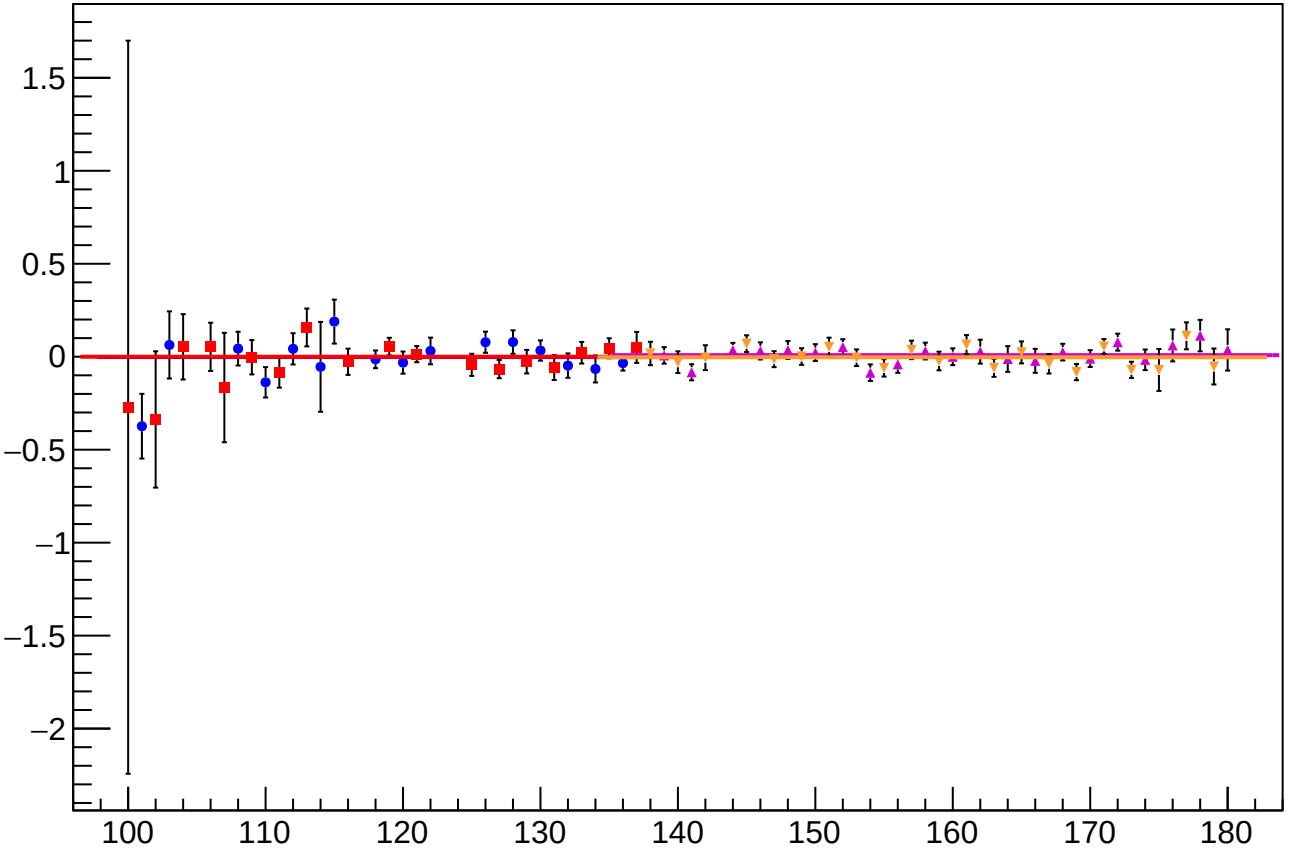
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:4036747.6/36

Out: 0.000+/-0.000 χ^2/NDF:4119110.6/38

All: 0.000+/-0.000 χ^2/NDF: 8164603.4/75

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: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/20

Left: 0.003+/-0.008 χ^2/NDF: 39.8/41

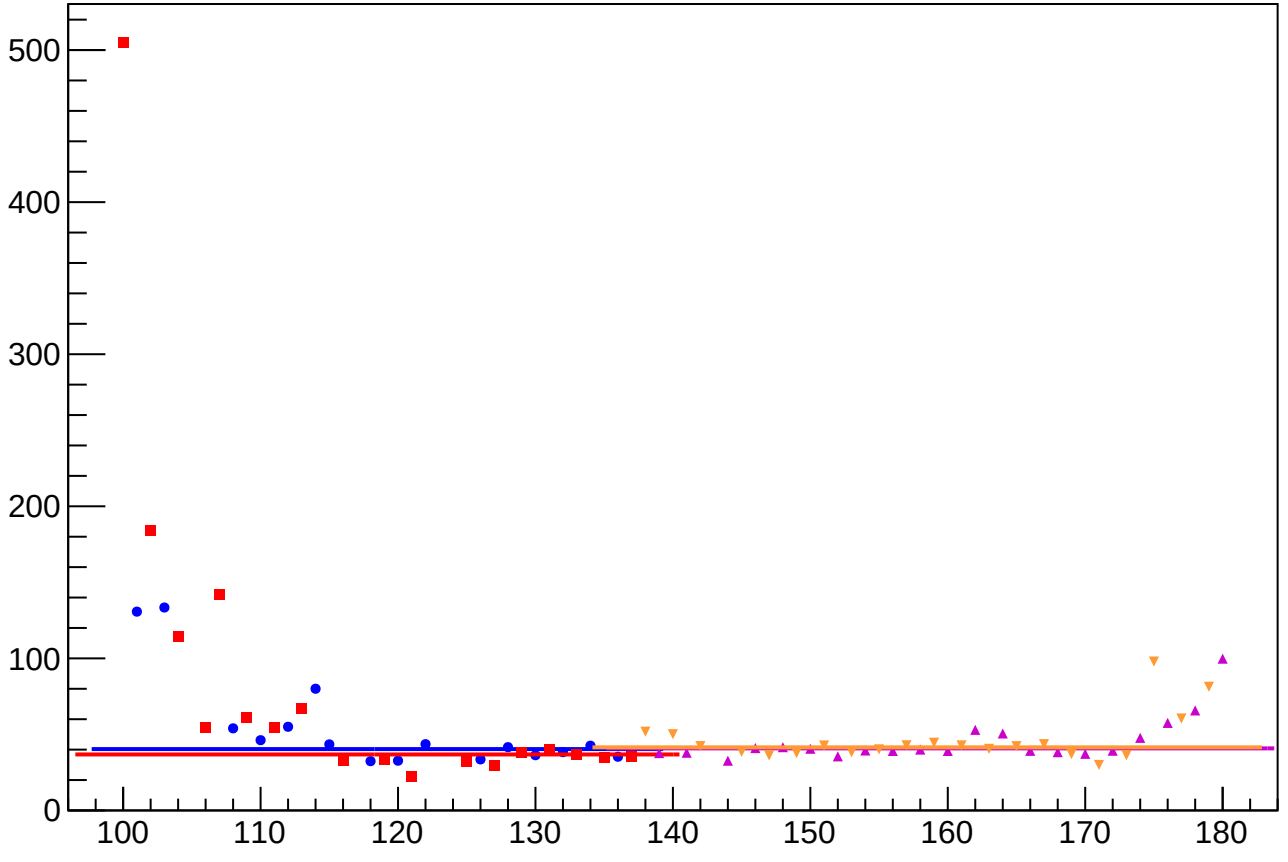
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/36

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.9/75

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: 41.500+/-0.008 χ^2/NDF:1374864.1/20

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

Left: 41.146+/-0.006 χ^2/NDF: 2502893.6/41

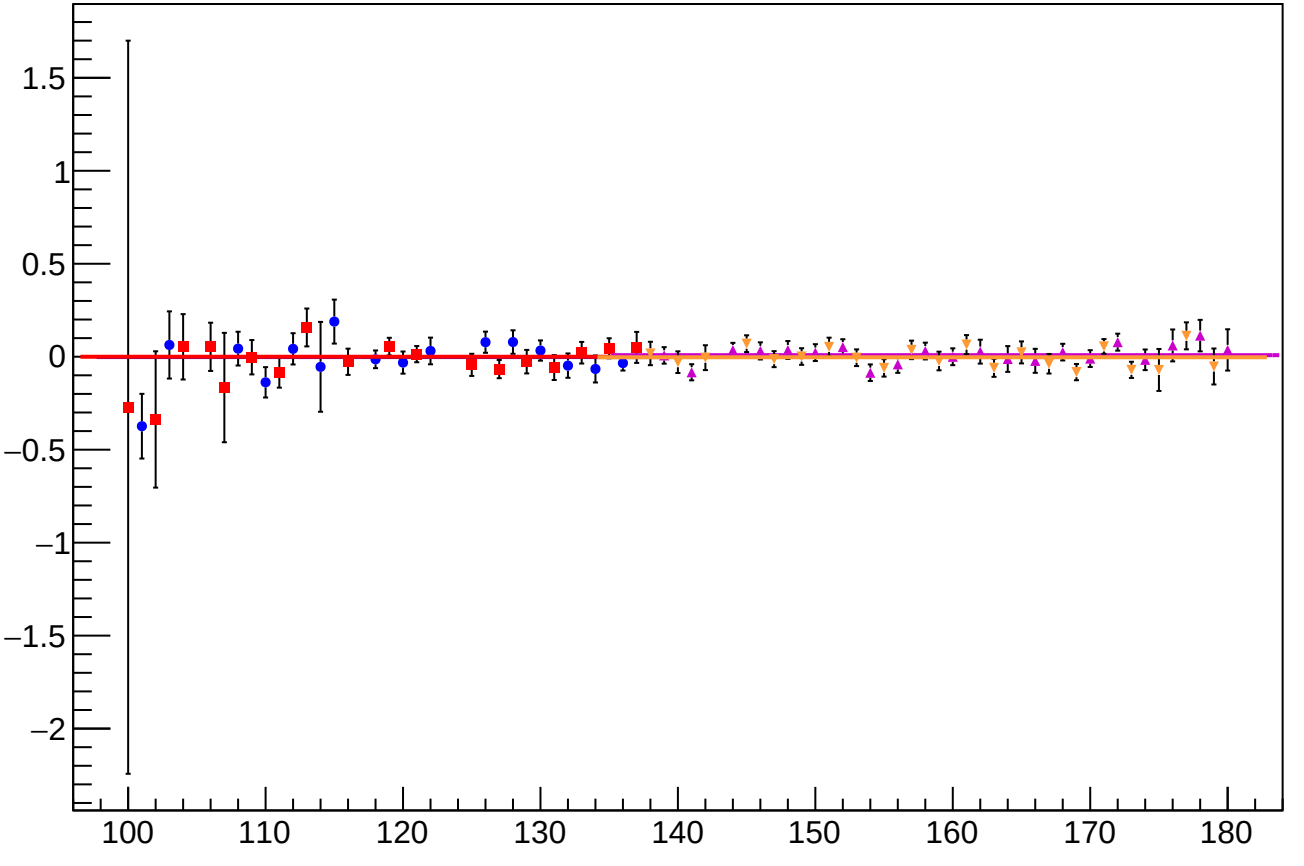
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.678+/-0.006 χ^2/NDF:2535306.0/36

Out: 40.046+/-0.007 χ^2/NDF:3320434.7/38

All: 40.366+/-0.005 χ^2/NDF: 5860424.5/75

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: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/20

Left: 0.003+/-0.008 χ^2/NDF: 39.8/41

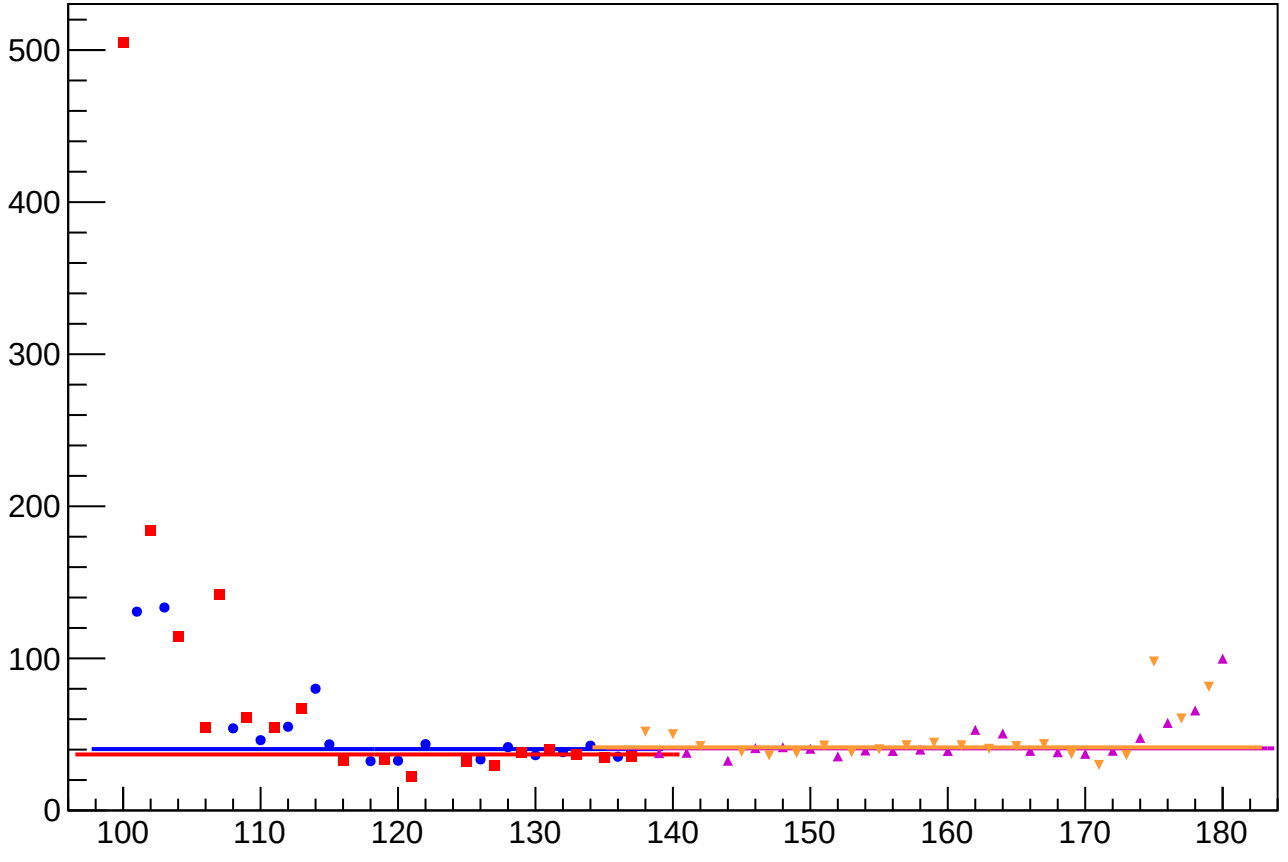
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/36

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.9/75

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: 41.500+/-0.008 χ^2/NDF:1374864.1/20

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.811+/-0.008 χ^2/NDF:1124139.6/20

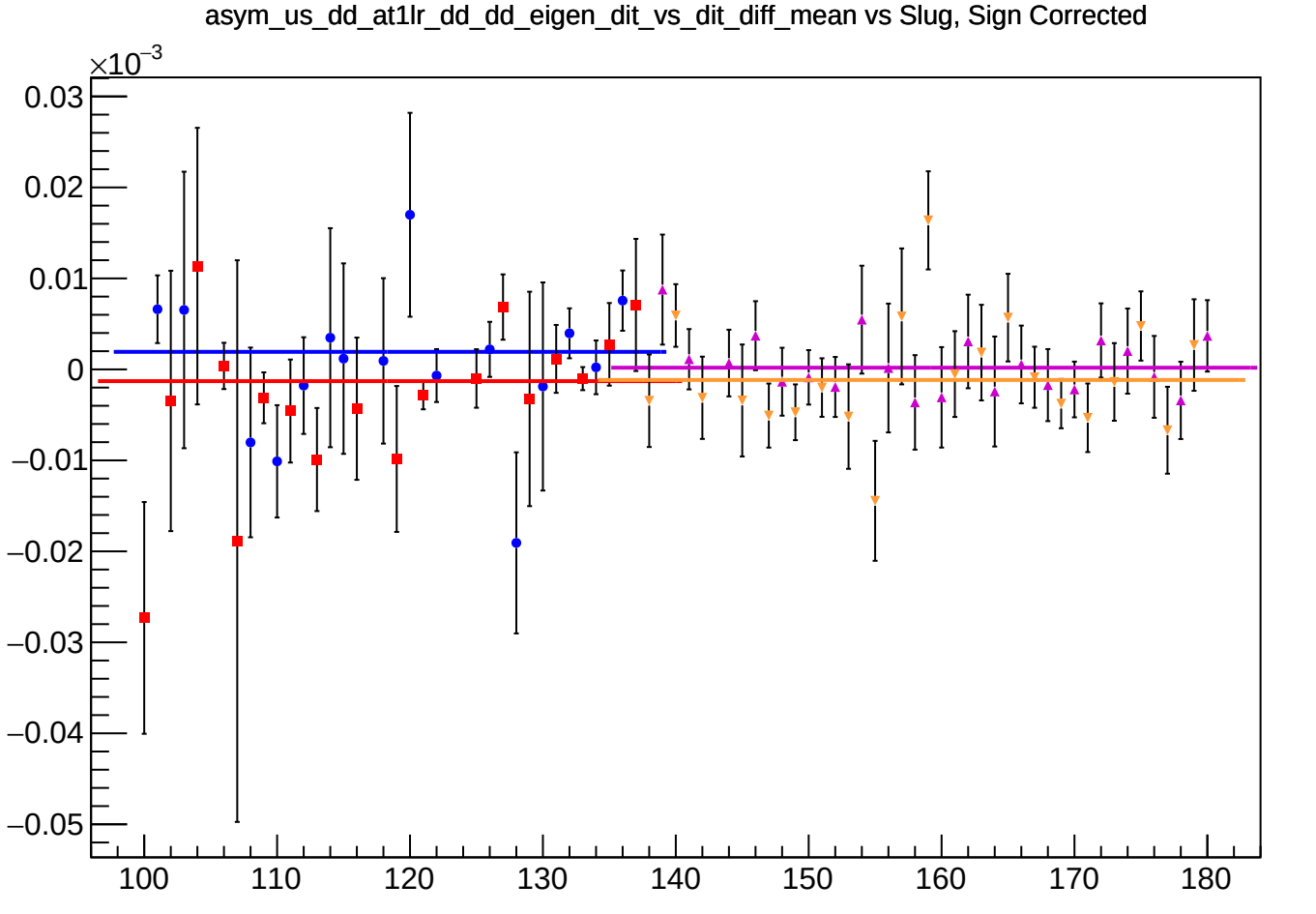
Left: 41.146+/-0.006 χ^2/NDF: 2502893.6/41

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.678+/-0.006 χ^2/NDF:2535306.0/36

Out: 40.046+/-0.007 χ^2/NDF:3320434.7/38

All: 40.366+/-0.005 χ^2/NDF: 5860424.5/75



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/20

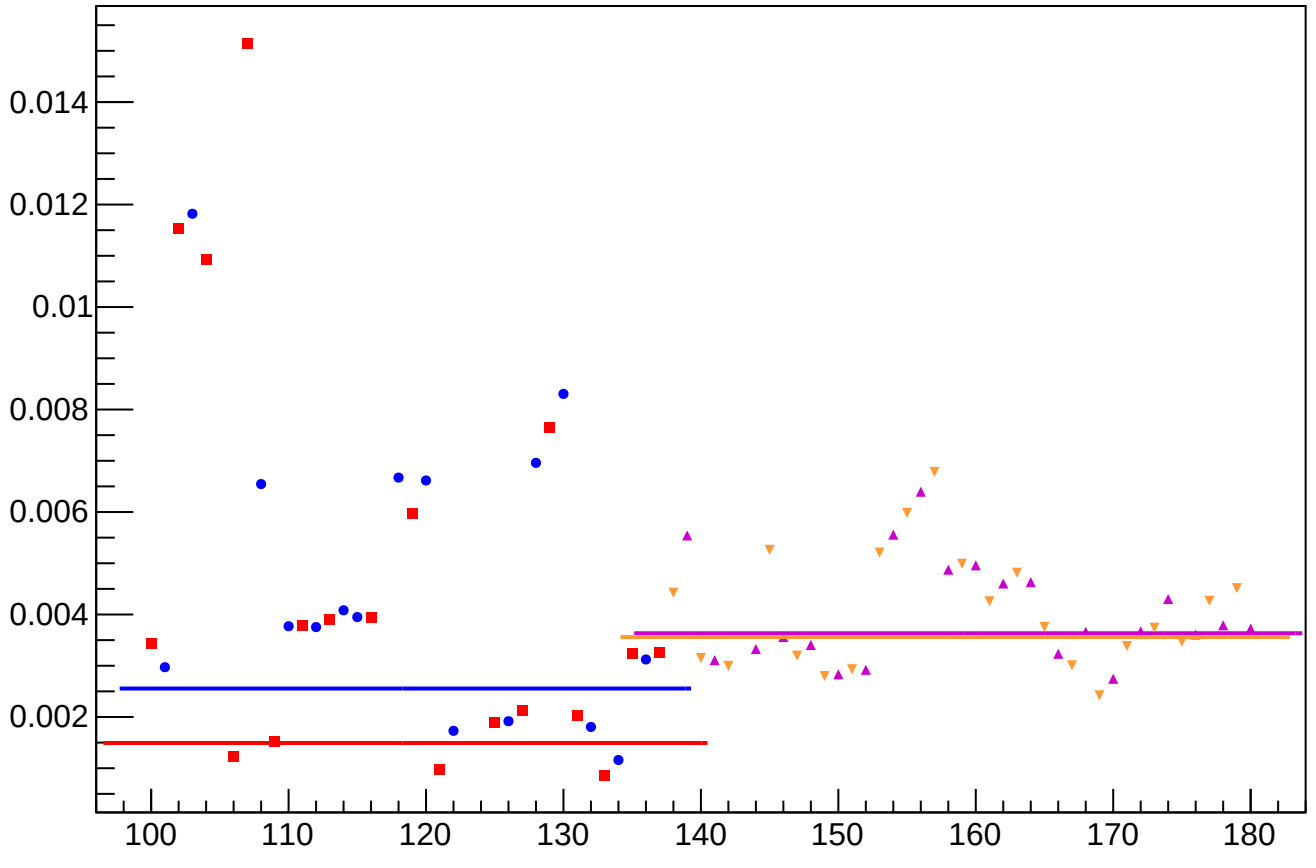
Left: -0.000+/-0.000 χ^2/NDF: 42.4/41

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:28.3/36

Out: -0.000+/-0.000 χ^2/NDF:51.2/38

All: -0.000+/-0.000 χ^2/NDF: 84.7/75



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2131090.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1609356.0/20

Left: 0.004+/-0.000 χ^2/NDF: 3747323.9/41

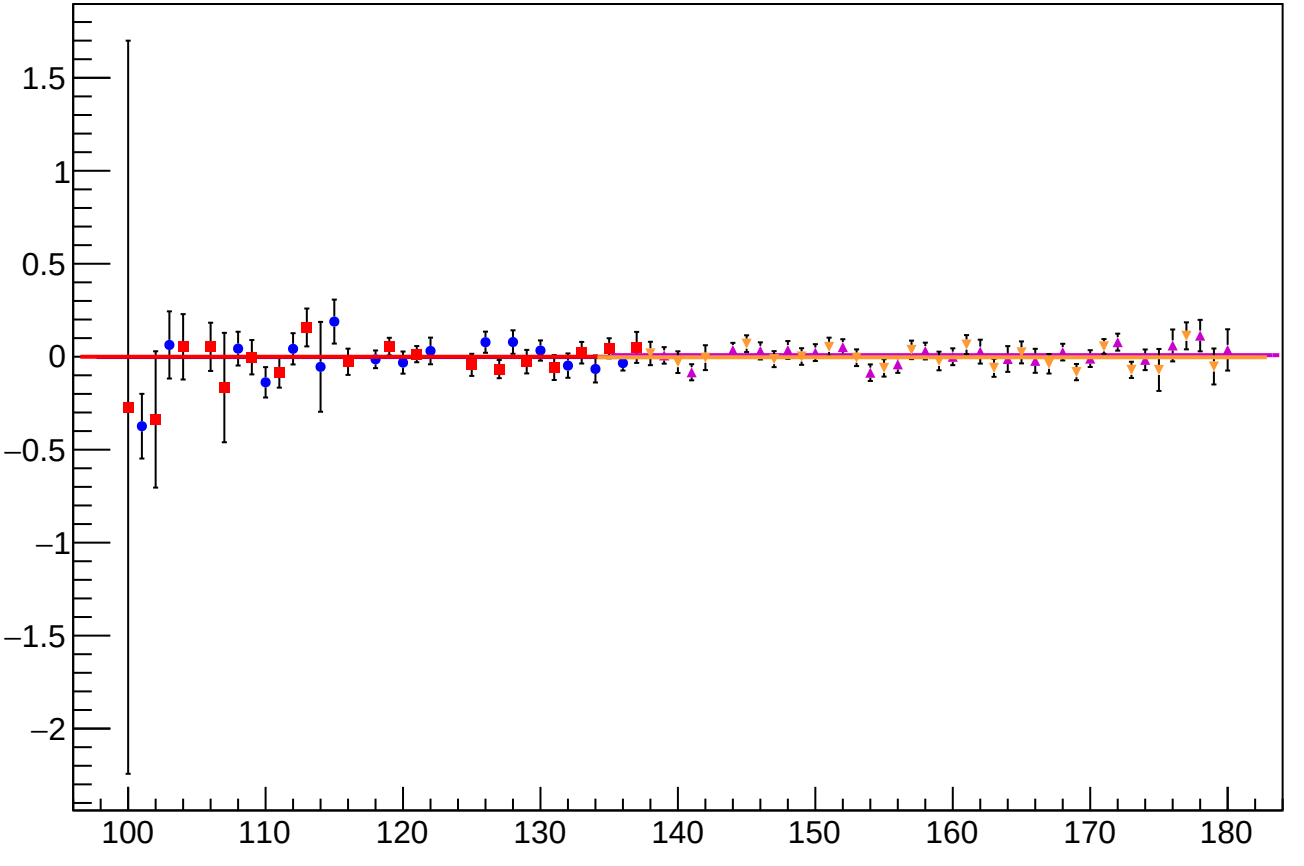
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6488843.3/36

Out: 0.002+/-0.000 χ^2/NDF:13846330.9/38

All: 0.003+/-0.000 χ^2/NDF: 22201833.6/75

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: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/20

Left: 0.003+/-0.008 χ^2/NDF: 39.8/41

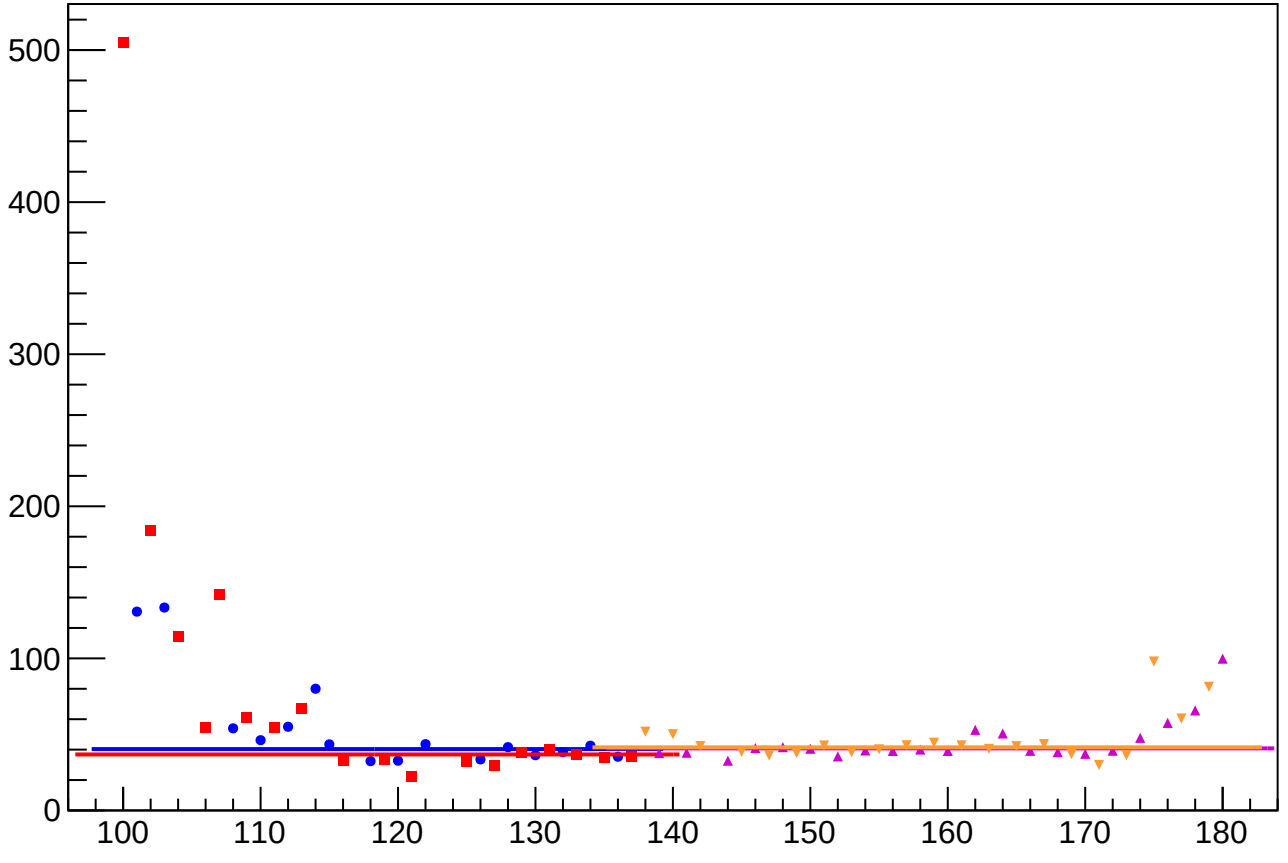
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/36

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.9/75

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: 41.499+/-0.008 χ^2/NDF:1374899.7/20

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

Left: 41.146+/-0.006 χ^2/NDF: 2502858.1/41

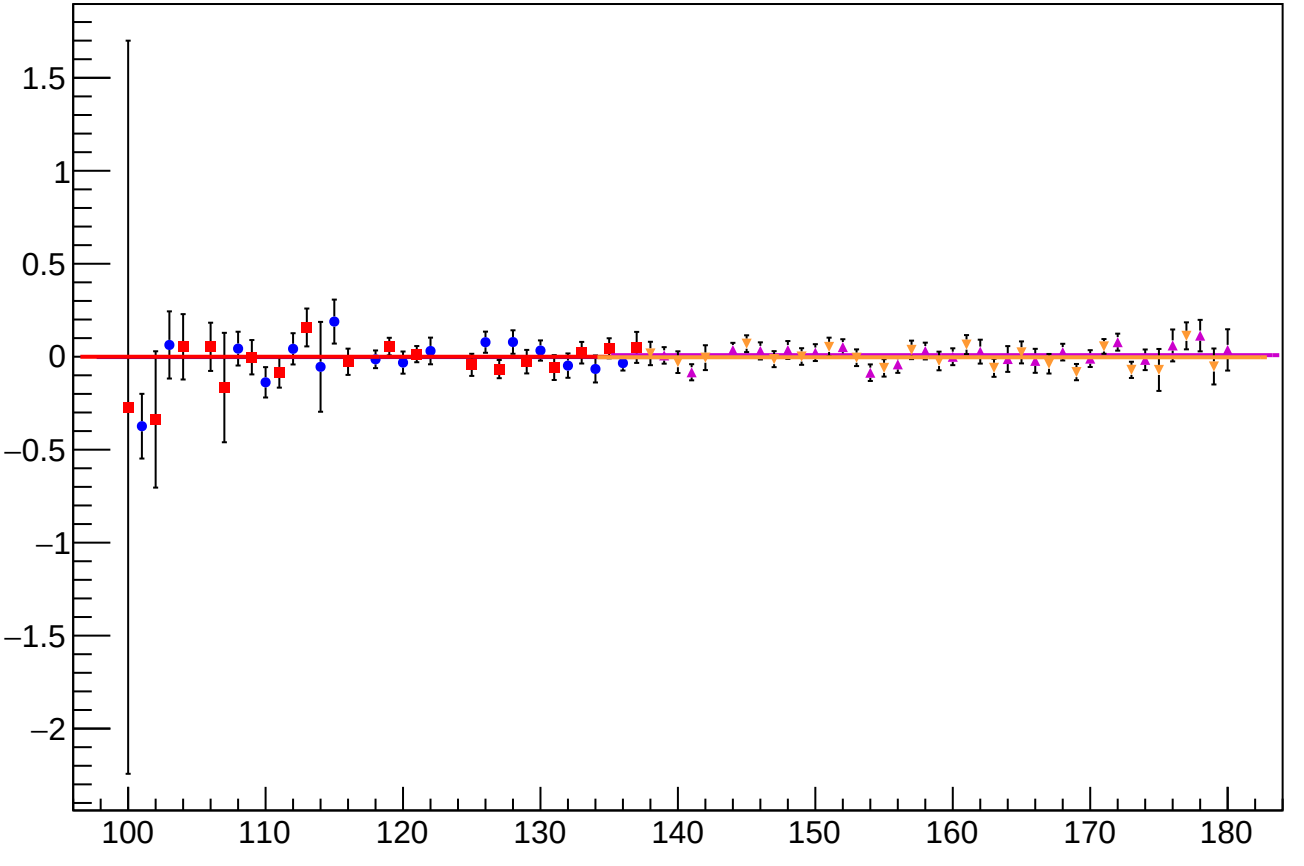
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.678+/-0.006 χ^2/NDF:2535132.6/36

Out: 40.046+/-0.007 χ^2/NDF:3320496.9/38

All: 40.366+/-0.005 χ^2/NDF: 5860321.2/75

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: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.9/20

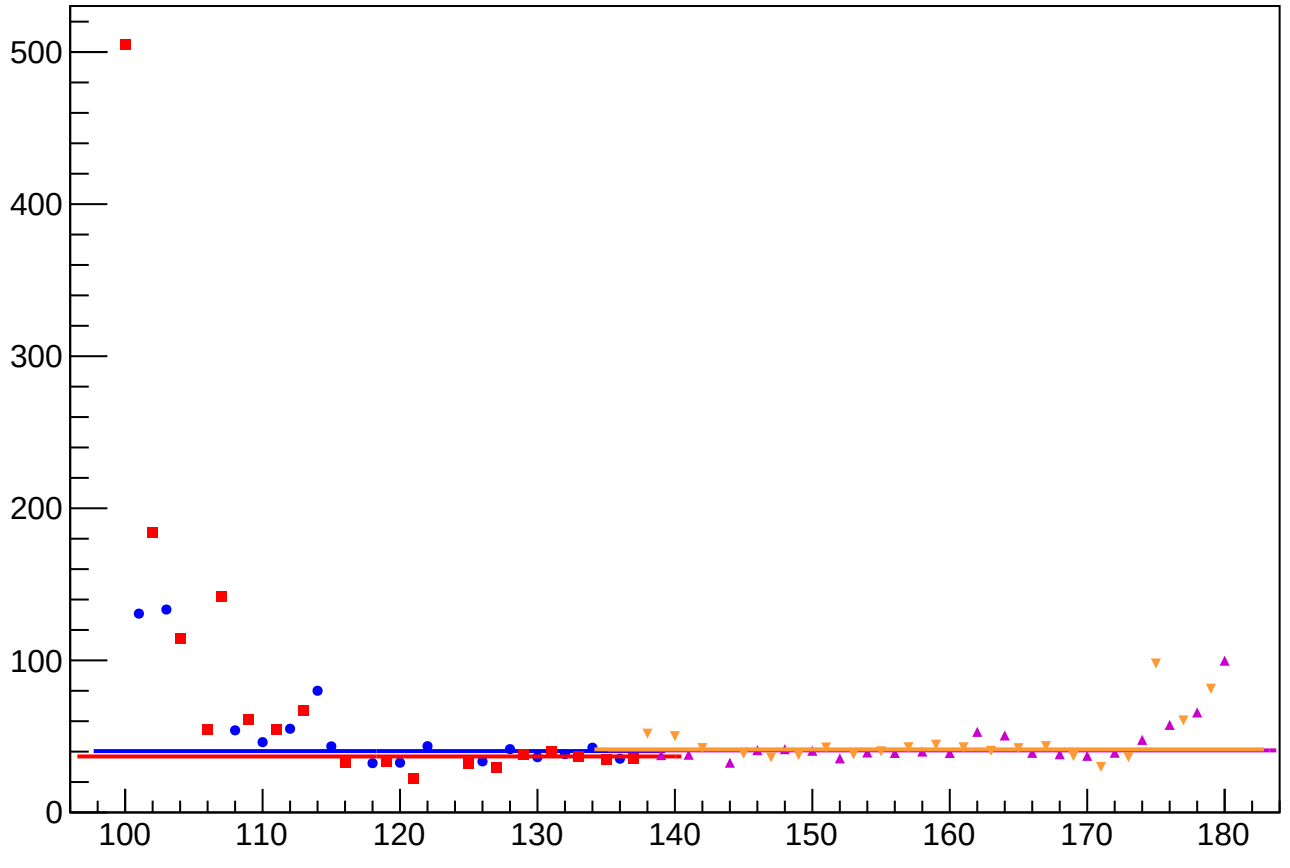
Left: 0.003+/-0.008 χ^2/NDF: 39.8/41

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/36

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.9/75



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.499+/-0.008 χ^2/NDF:1374899.7/20

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.811+/-0.008 χ^2/NDF:1124069.6/20

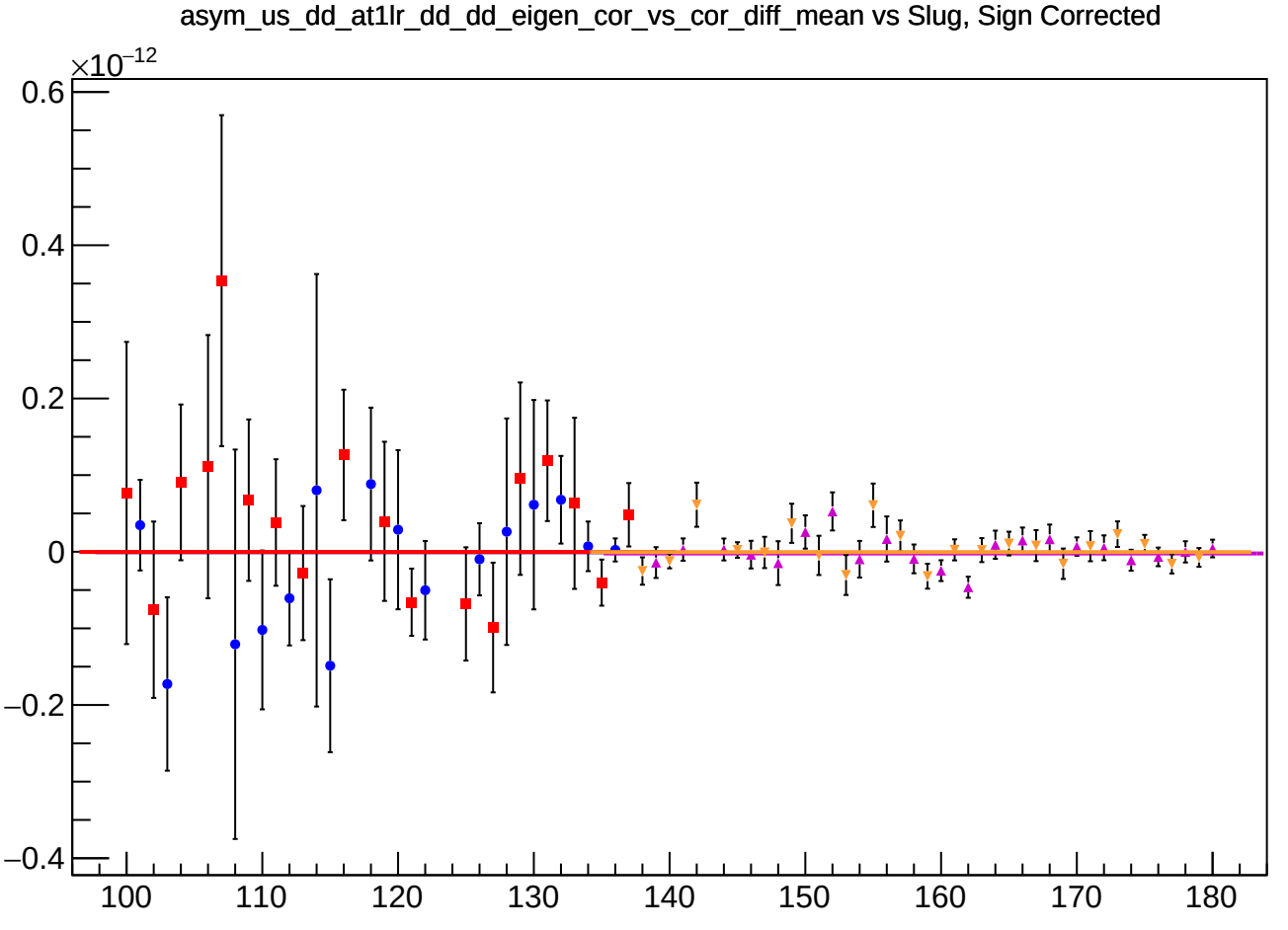
Left: 41.146+/-0.006 χ^2/NDF: 2502858.1/41

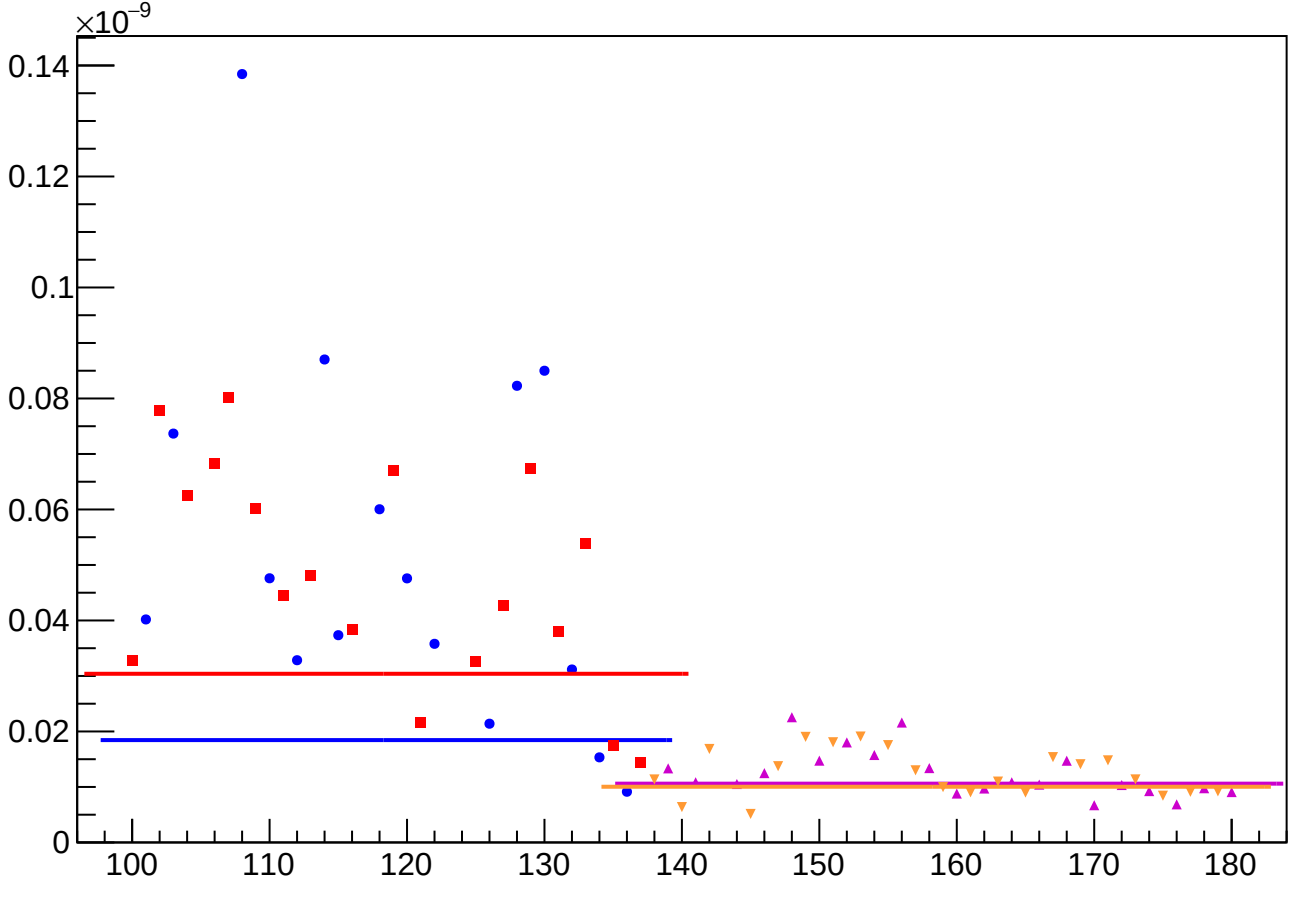
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.678+/-0.006 χ^2/NDF:2535132.6/36

Out: 40.046+/-0.007 χ^2/NDF:3320496.9/38

All: 40.366+/-0.005 χ^2/NDF: 5860321.2/75


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
180
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:27.2/20
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:25.0/20
Left: -0.000+/-0.000 χ²/NDF: 52.4/41
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:34.9/36
Out: -0.000+/-0.000 χ²/NDF:45.6/38
All: -0.000+/-0.000 χ²/NDF: 80.6/75



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259134.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1674040.0/20

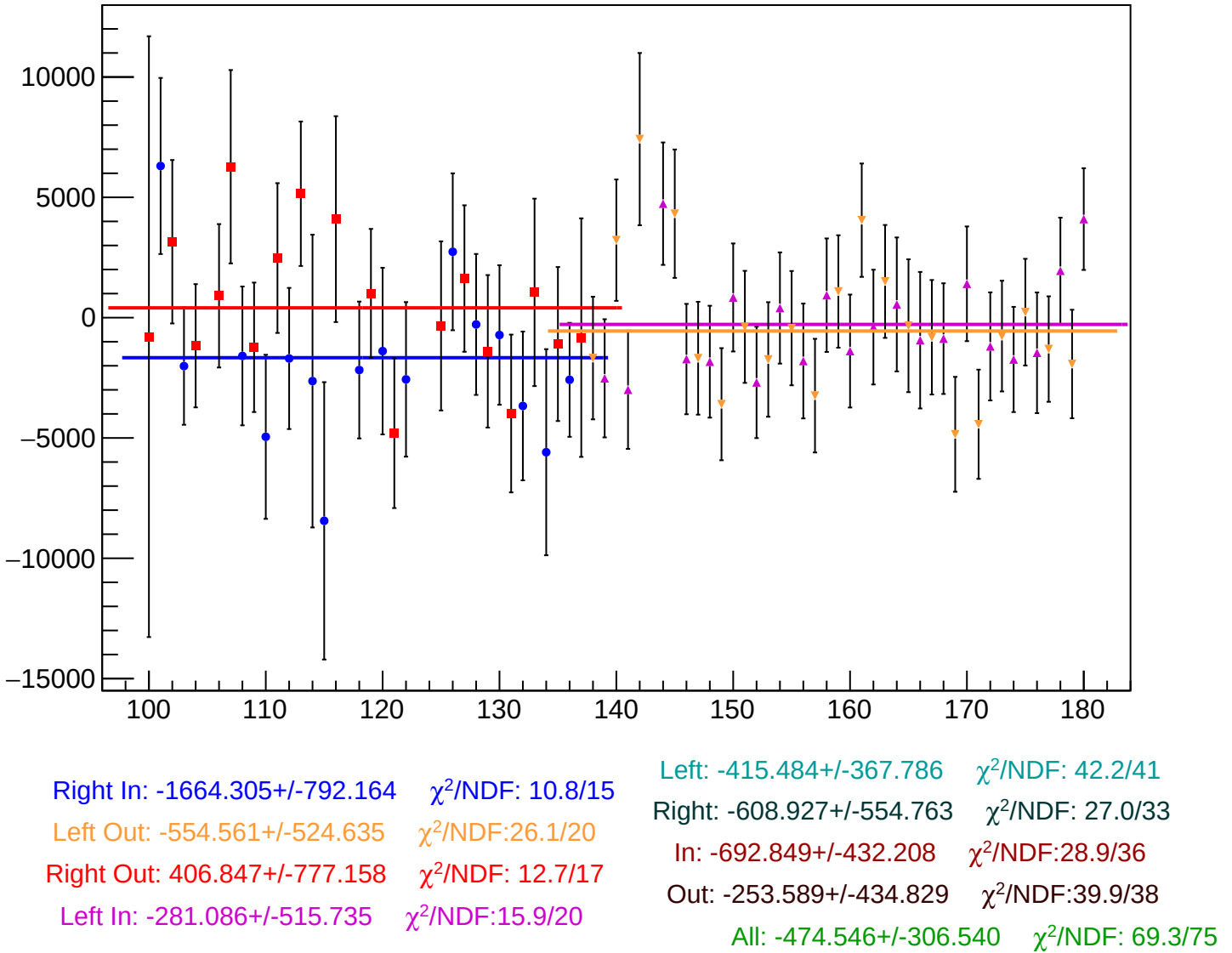
Left: 0.000+/-0.000 χ^2/NDF: 3958852.6/41

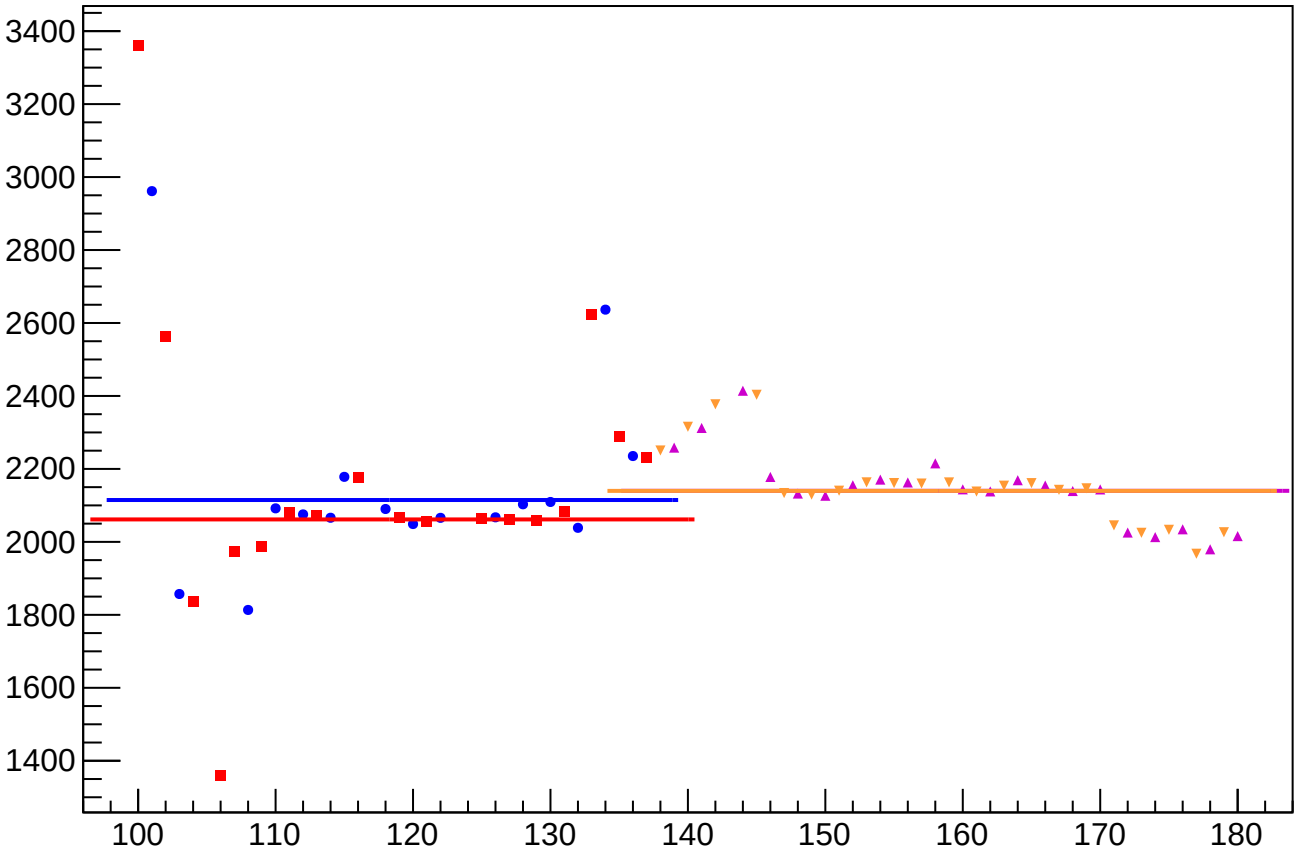
Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6541653.1/36

Out: 0.000+/-0.000 χ^2/NDF:7576063.5/38

All: 0.000+/-0.000 χ^2/NDF: 14129627.5/75


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: -554.561+/-524.635 χ²/NDF:26.1/20
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -281.086+/-515.735 χ²/NDF:15.9/20
Left: -415.484+/-367.786 χ²/NDF: 42.2/41
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -692.849+/-432.208 χ²/NDF:28.9/36
Out: -253.589+/-434.829 χ²/NDF:39.9/38
All: -474.546+/-306.540 χ²/NDF: 69.3/75



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

Left: 2139.865+/-0.260 χ^2/NDF: 147470.7/41

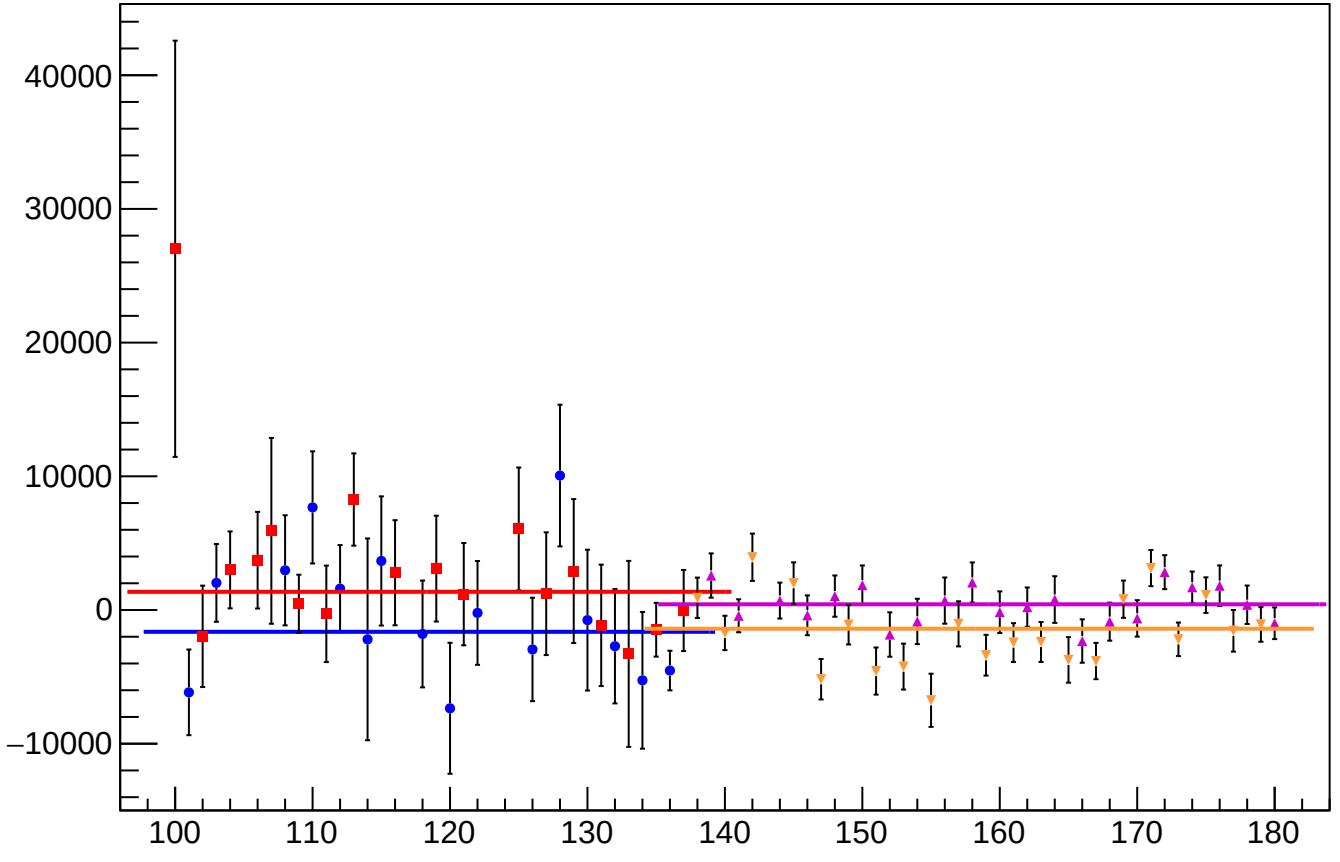
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2132.436+/-0.306 χ^2/NDF:265558.0/36

Out: 2115.305+/-0.307 χ^2/NDF:336362.5/38

All: 2123.922+/-0.217 χ^2/NDF: 603482.1/75

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: -1403.042+/-325.343 χ^2/NDF:61.3/20

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 426.958+/-316.371 χ^2/NDF:18.8/20

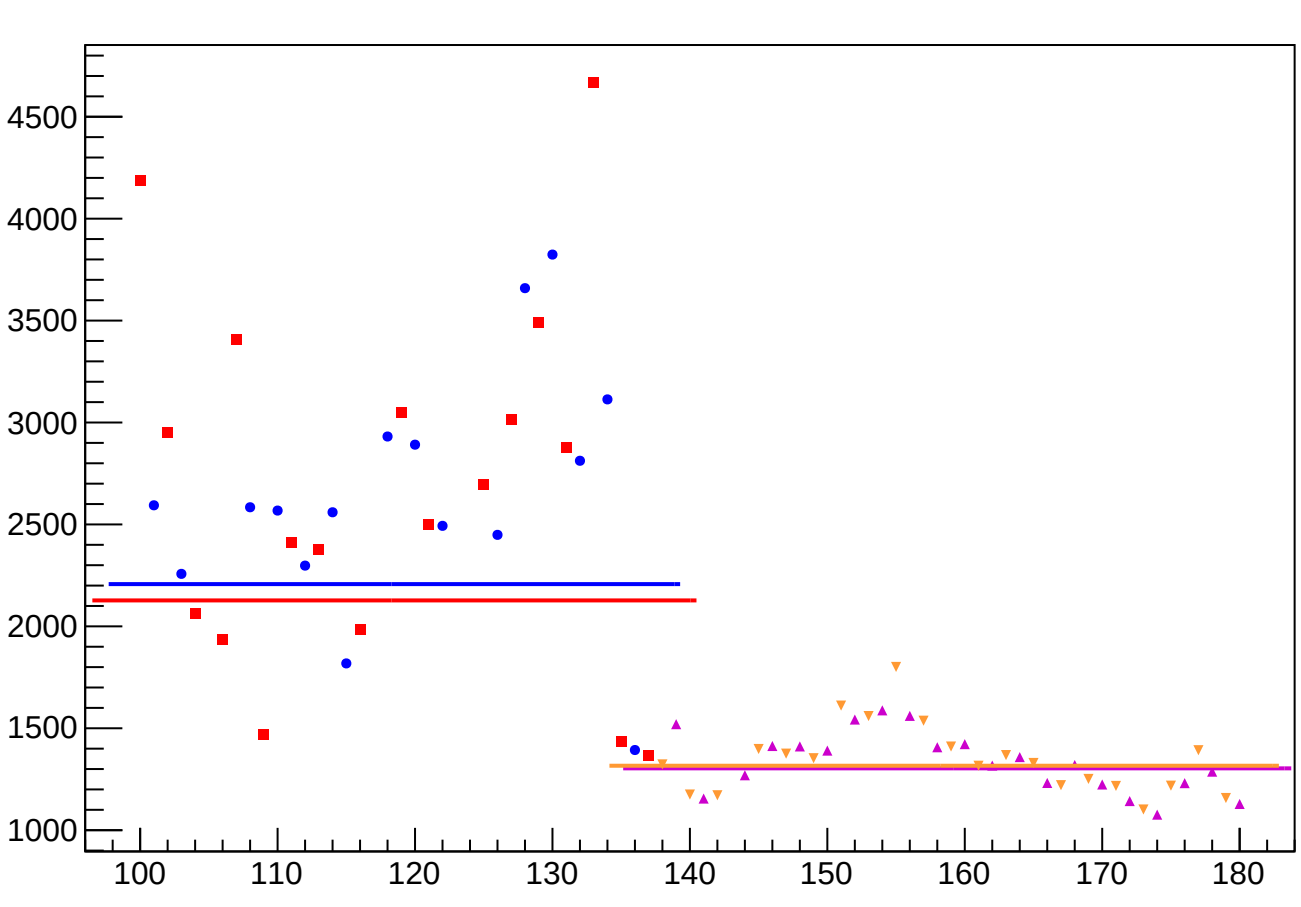
Left: -462.461+/-226.814 χ^2/NDF: 96.4/41

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 182.924+/-297.016 χ^2/NDF:46.7/36

Out: -1042.693+/-303.402 χ^2/NDF:84.2/38

All: -416.851+/-212.244 χ^2/NDF: 139.2/75



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1316.224+/-0.230 χ^2/NDF:436302.4/20

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1303.356+/-0.224 χ^2/NDF:423714.6/20

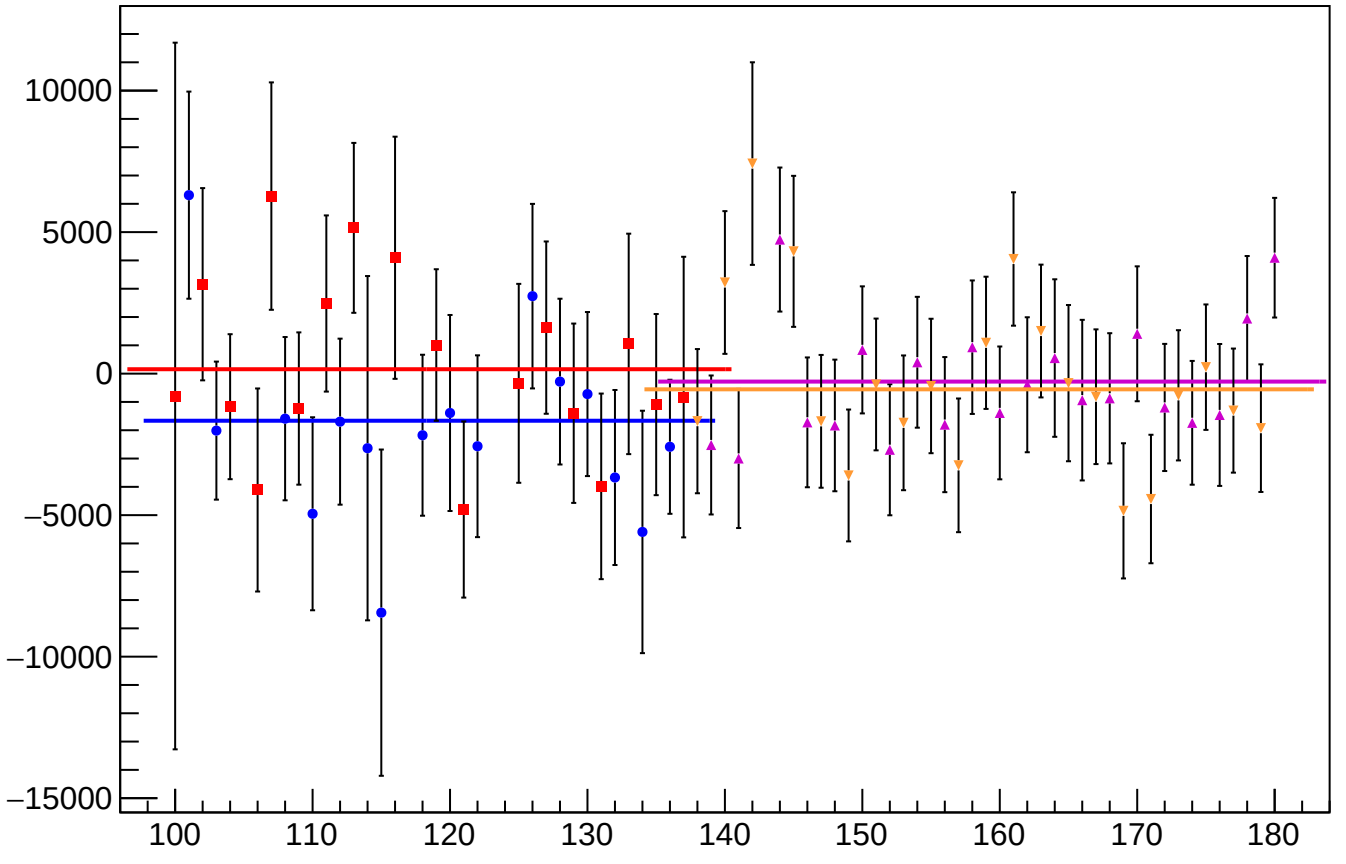
Left: 1309.610+/-0.160 χ^2/NDF: 861625.2/41

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1410.569+/-0.210 χ^2/NDF:3609409.0/36

Out: 1421.923+/-0.215 χ^2/NDF:3514052.9/38

All: 1416.125+/-0.150 χ^2/NDF: 7124892.0/75



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -281.020+/-515.735 χ^2/NDF:15.9/20

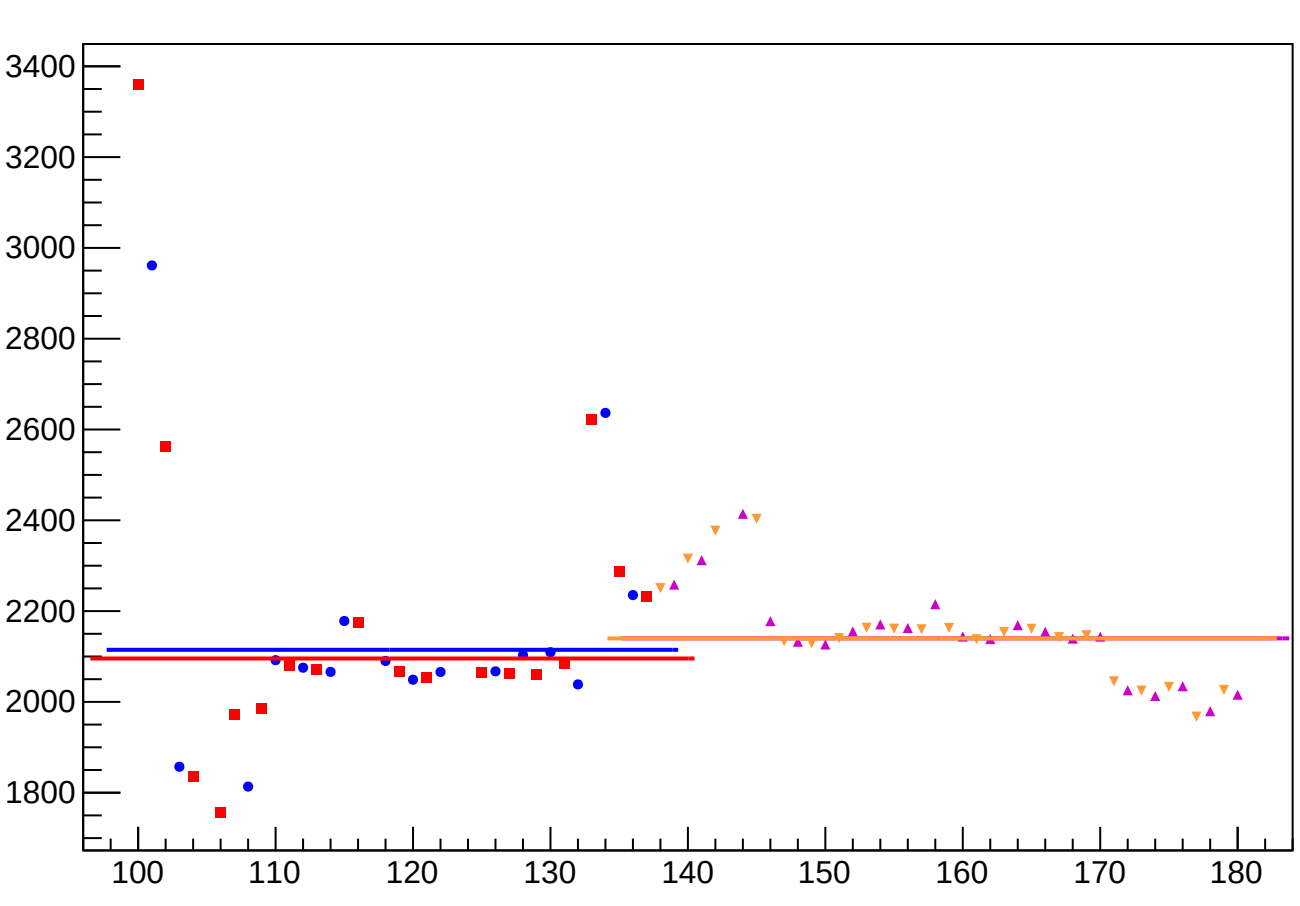
Left: -415.404+/-367.786 χ^2/NDF: 42.2/41

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

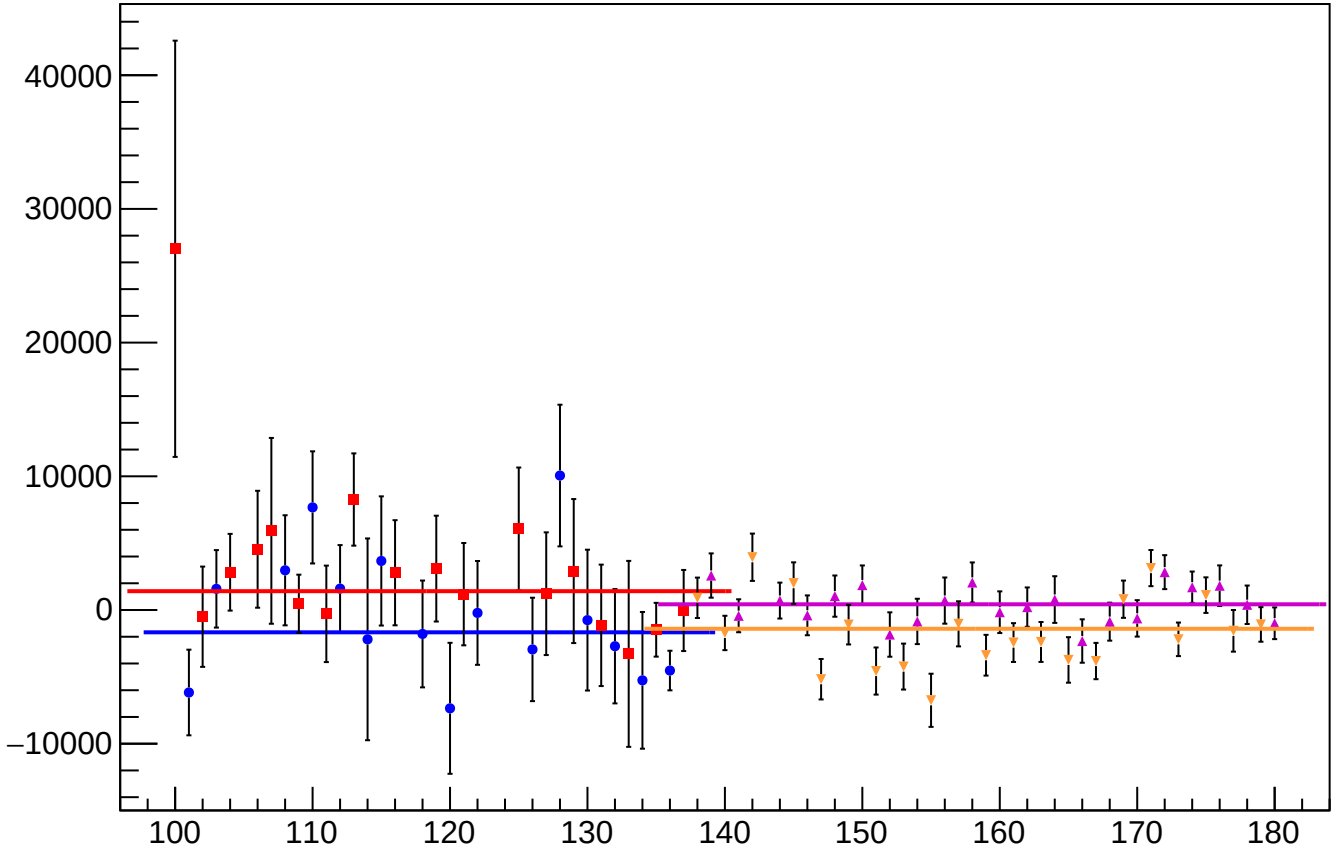
In: -692.780+/-432.208 χ^2/NDF:28.9/36

Out: -335.363+/-436.271 χ^2/NDF:40.9/38

All: -515.744+/-307.044 χ^2/NDF: 70.1/75


cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
180
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2139.798+/-0.371 χ²/NDF:73251.8/20
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2139.930+/-0.365 χ²/NDF:74218.8/20
Left: 2139.865+/-0.260 χ²/NDF: 147470.6/41
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2132.436+/-0.306 χ²/NDF:265558.3/36
Out: 2126.162+/-0.308 χ²/NDF:226991.7/38
All: 2129.328+/-0.217 χ²/NDF: 492758.8/75

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: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 426.850+/-316.372 χ^2/NDF:18.8/20

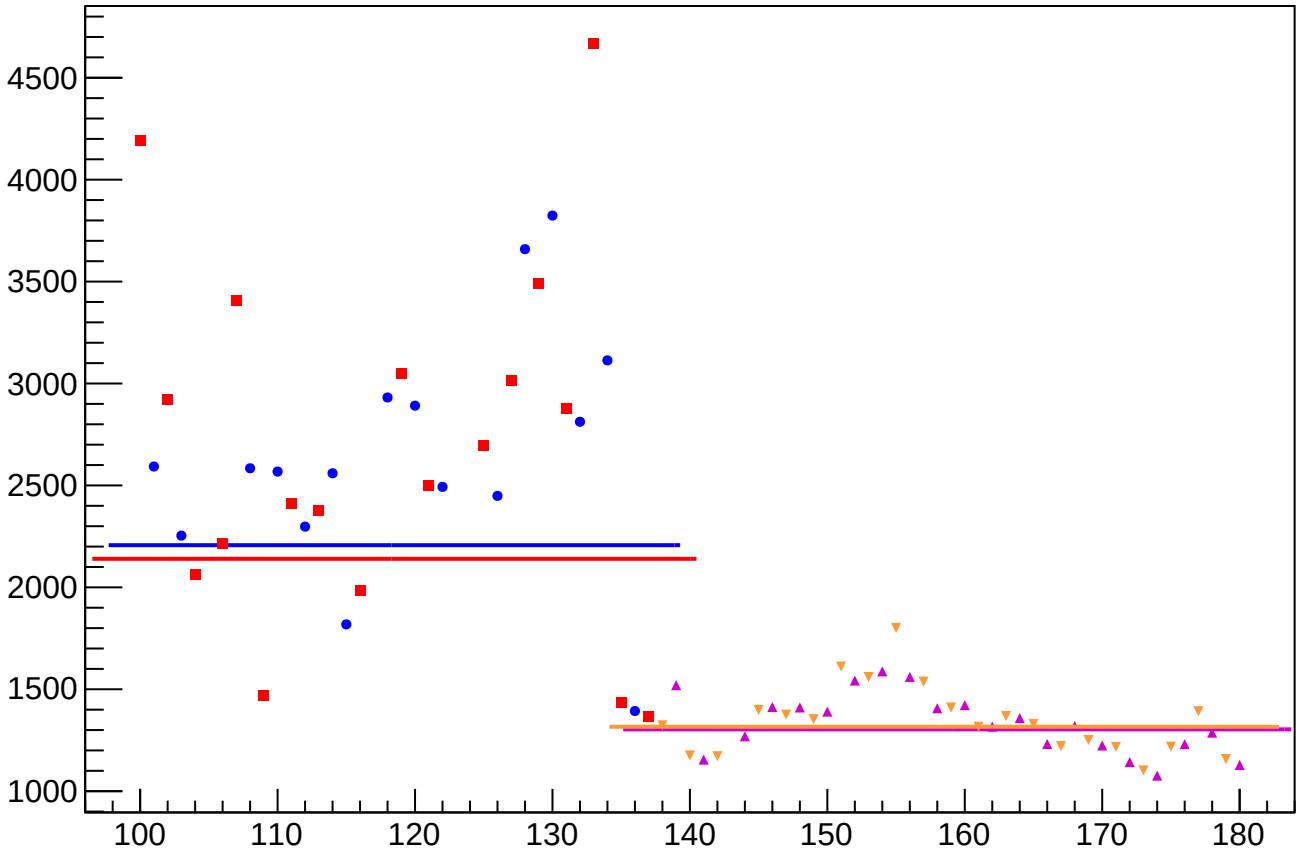
Left: -462.545+/-226.814 χ^2/NDF: 96.4/41

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 178.171+/-297.005 χ^2/NDF:46.5/36

Out: -1041.726+/-303.713 χ^2/NDF:83.9/38

All: -418.157+/-212.346 χ^2/NDF: 138.7/75



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

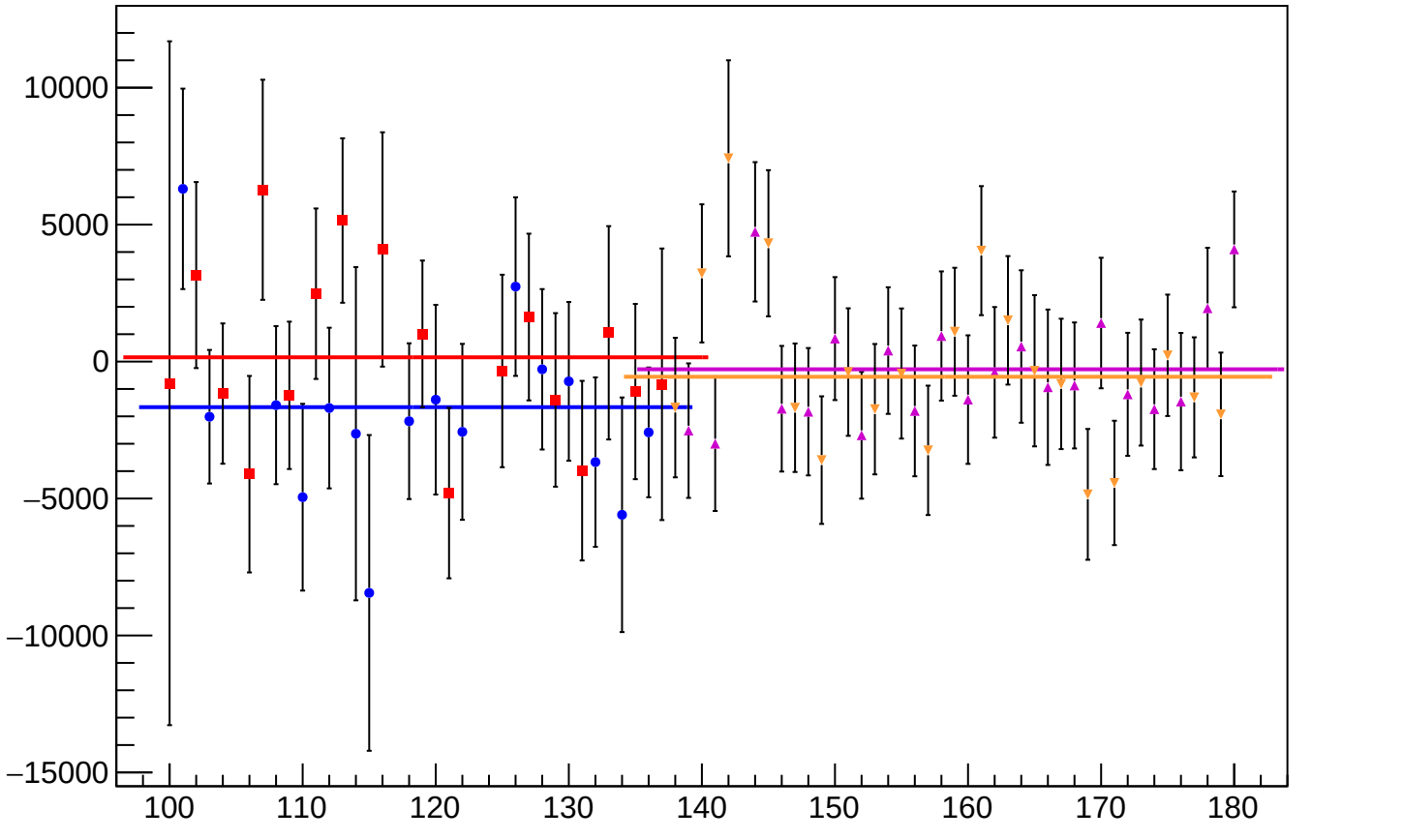
Left: 1309.615+/-0.160 χ^2/NDF: 861596.2/41

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1410.596+/-0.210 χ^2/NDF:3608878.0/36

Out: 1422.139+/-0.215 χ^2/NDF:3533193.9/38

All: 1416.238+/-0.150 χ^2/NDF: 7143548.7/75



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -281.020+/-515.735 χ^2/NDF:15.9/20

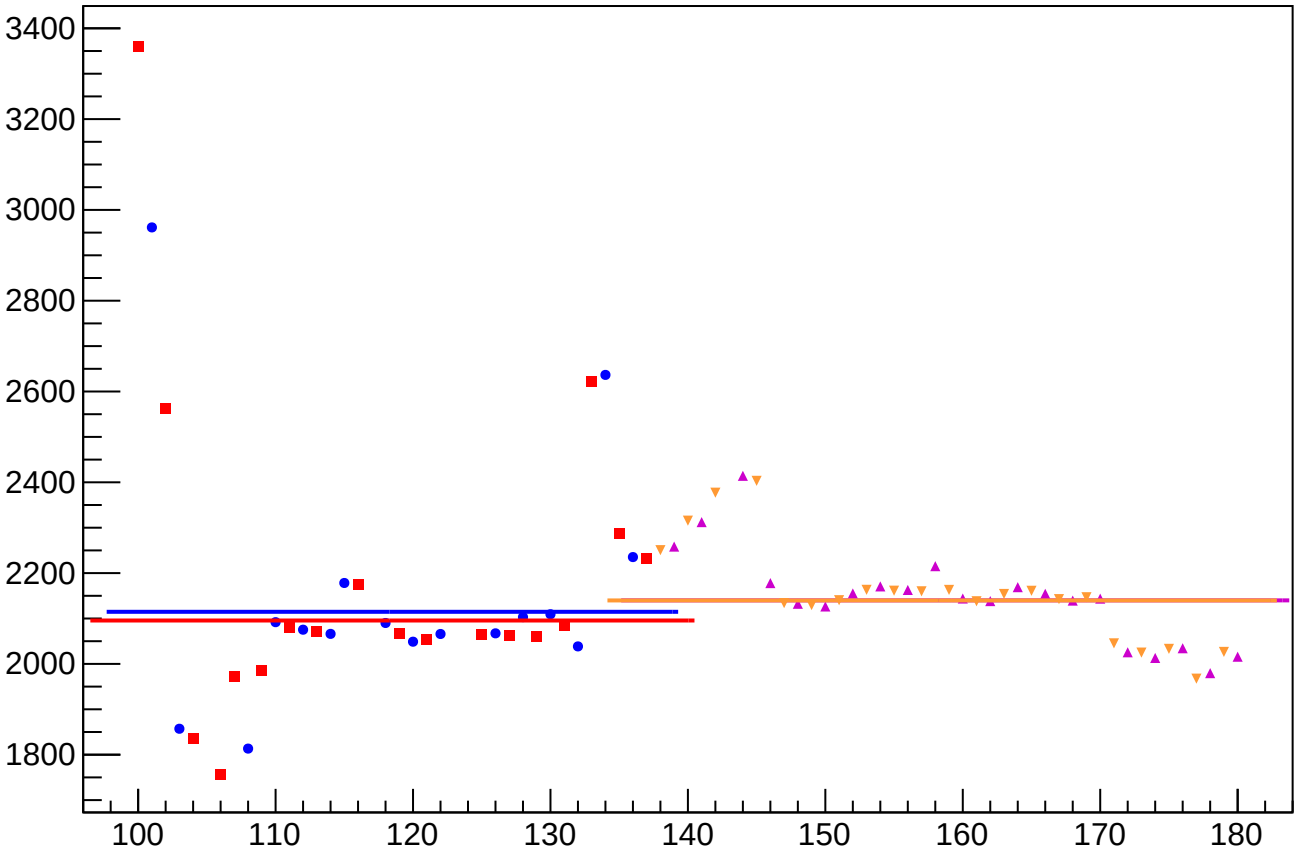
Left: -415.404+/-367.786 χ^2/NDF: 42.2/41

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -692.780+/-432.208 χ^2/NDF:28.9/36

Out: -335.363+/-436.271 χ^2/NDF:40.9/38

All: -515.744+/-307.044 χ^2/NDF: 70.1/75



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2139.930+/-0.365 χ^2/NDF:74218.8/20

Left: 2139.865+/-0.260 χ^2/NDF: 147470.6/41

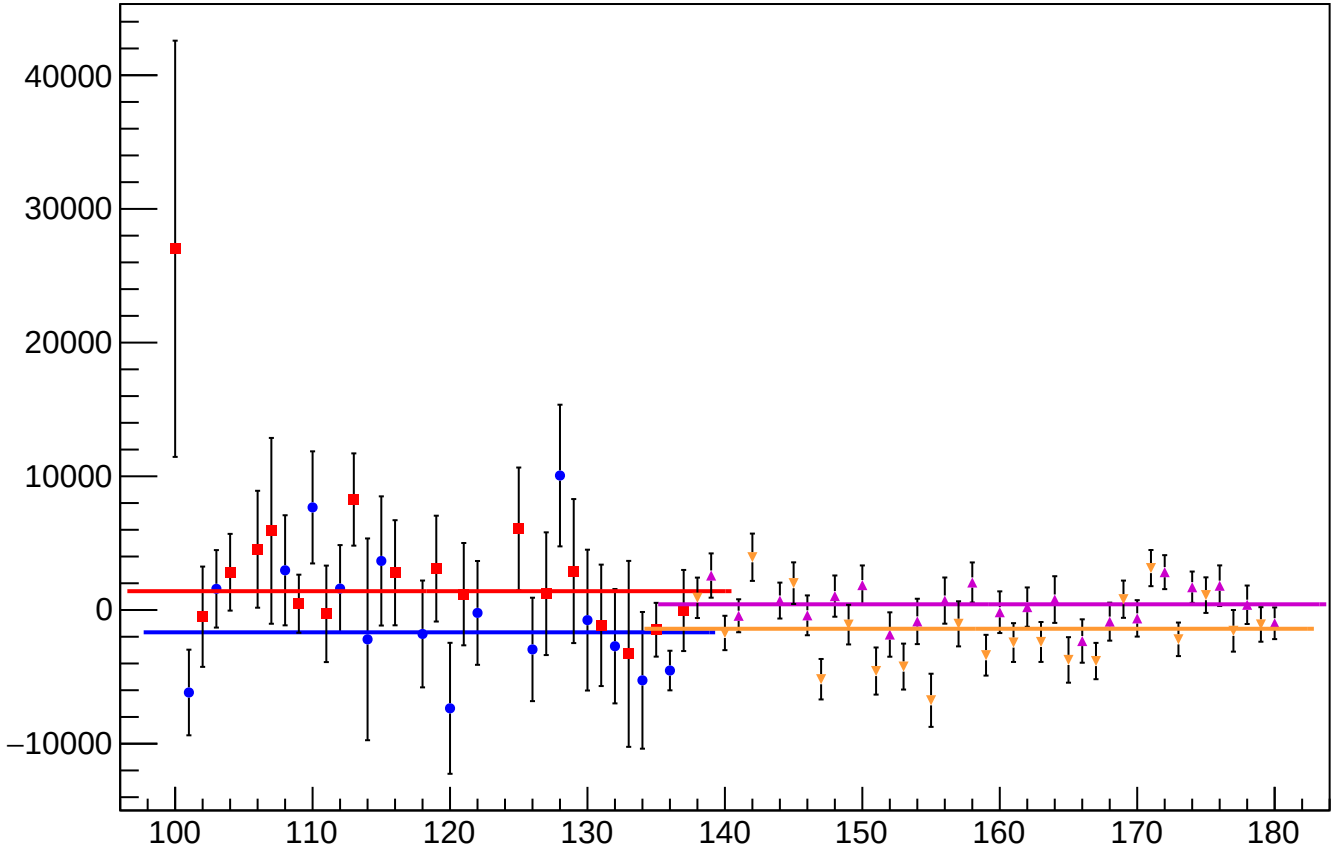
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2132.436+/-0.306 χ^2/NDF:265558.3/36

Out: 2126.162+/-0.308 χ^2/NDF:226991.7/38

All: 2129.328+/-0.217 χ^2/NDF: 492758.8/75

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: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 426.850+/-316.372 χ^2/NDF:18.8/20

Left: -462.545+/-226.814 χ^2/NDF: 96.4/41

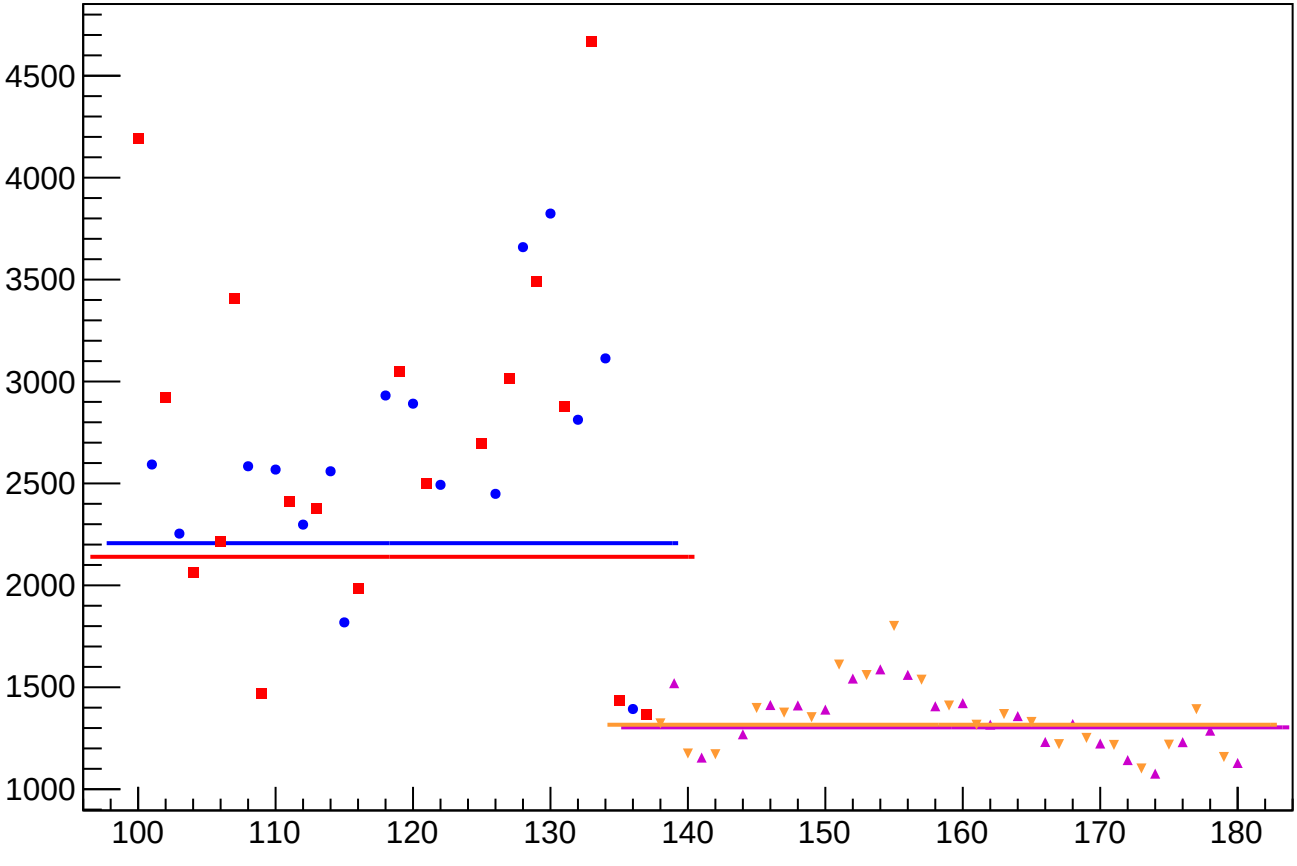
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 178.171+/-297.005 χ^2/NDF:46.5/36

Out: -1041.726+/-303.713 χ^2/NDF:83.9/38

All: -418.157+/-212.346 χ^2/NDF: 138.7/75

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1303.359+/-0.224 χ^2/NDF:423726.8/20

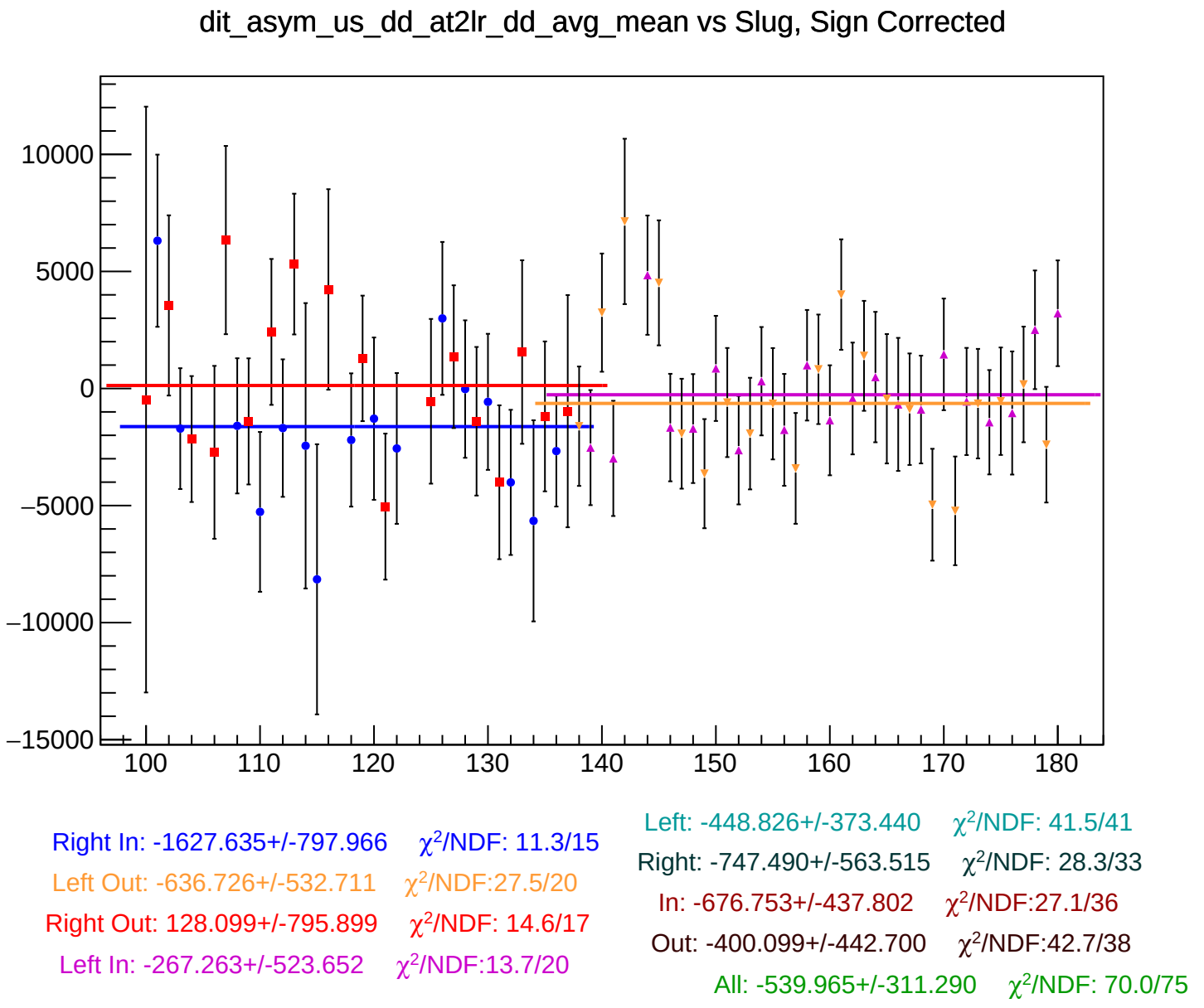
Left: 1309.615+/-0.160 χ^2/NDF: 861596.2/41

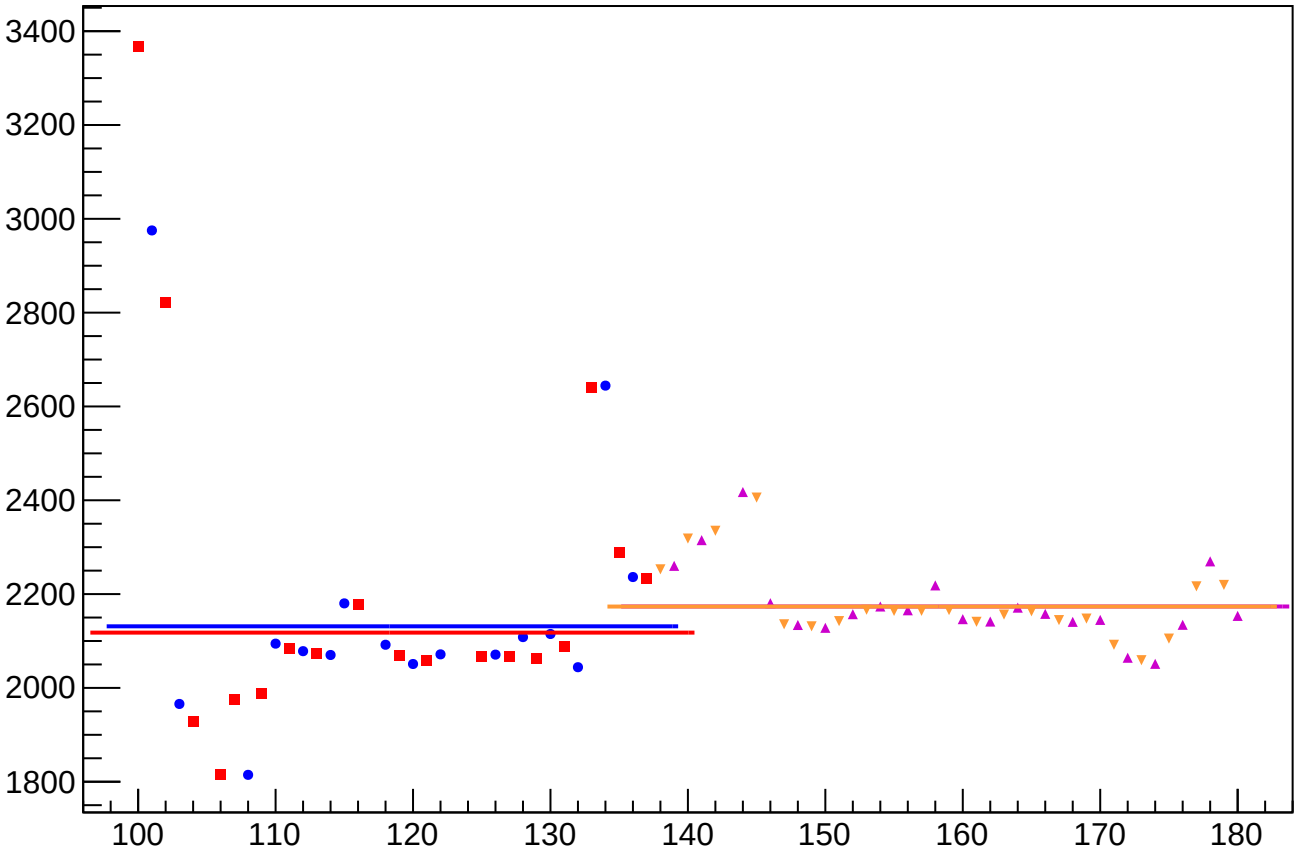
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1410.596+/-0.210 χ^2/NDF:3608878.0/36

Out: 1422.139+/-0.215 χ^2/NDF:3533193.9/38

All: 1416.238+/-0.150 χ^2/NDF: 7143548.7/75


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -636.726+/-532.711 χ²/NDF:27.5/20
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -267.263+/-523.652 χ²/NDF:13.7/20
Left: -448.826+/-373.440 χ²/NDF: 41.5/41
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -676.753+/-437.802 χ²/NDF:27.1/36
Out: -400.099+/-442.700 χ²/NDF:42.7/38
All: -539.965+/-311.290 χ²/NDF: 70.0/75



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.432+/-0.377 χ^2/NDF:40832.8/20

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

Left: 2173.501+/-0.264 χ^2/NDF: 85962.3/41

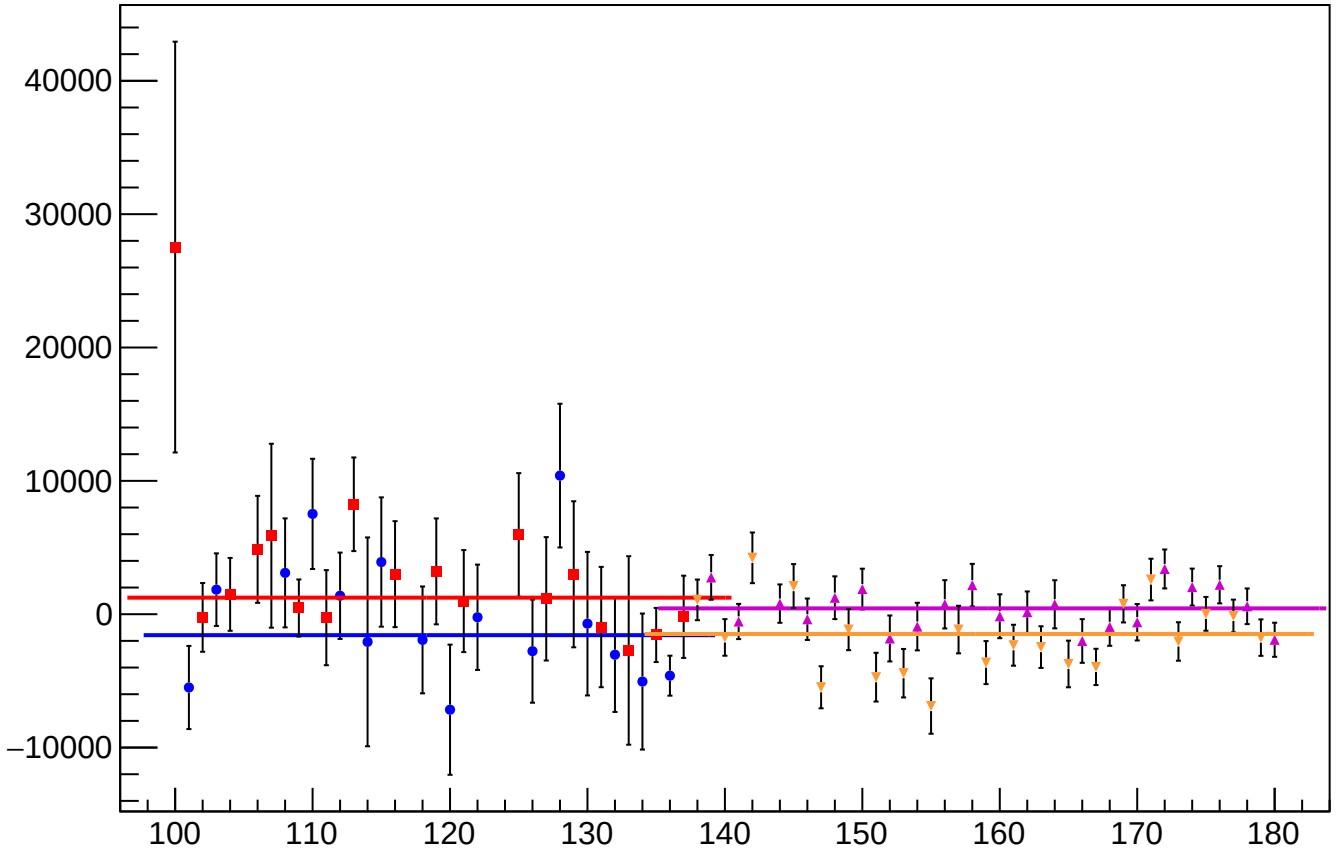
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2160.845+/-0.310 χ^2/NDF:224995.7/36

Out: 2156.241+/-0.313 χ^2/NDF:211187.5/38

All: 2158.568+/-0.220 χ^2/NDF: 436292.5/75

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: -1483.853+/-335.435 χ^2/NDF:55.4/20

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 436.604+/-330.392 χ^2/NDF:21.9/20

Left: -509.079+/-235.385 χ^2/NDF: 93.9/41

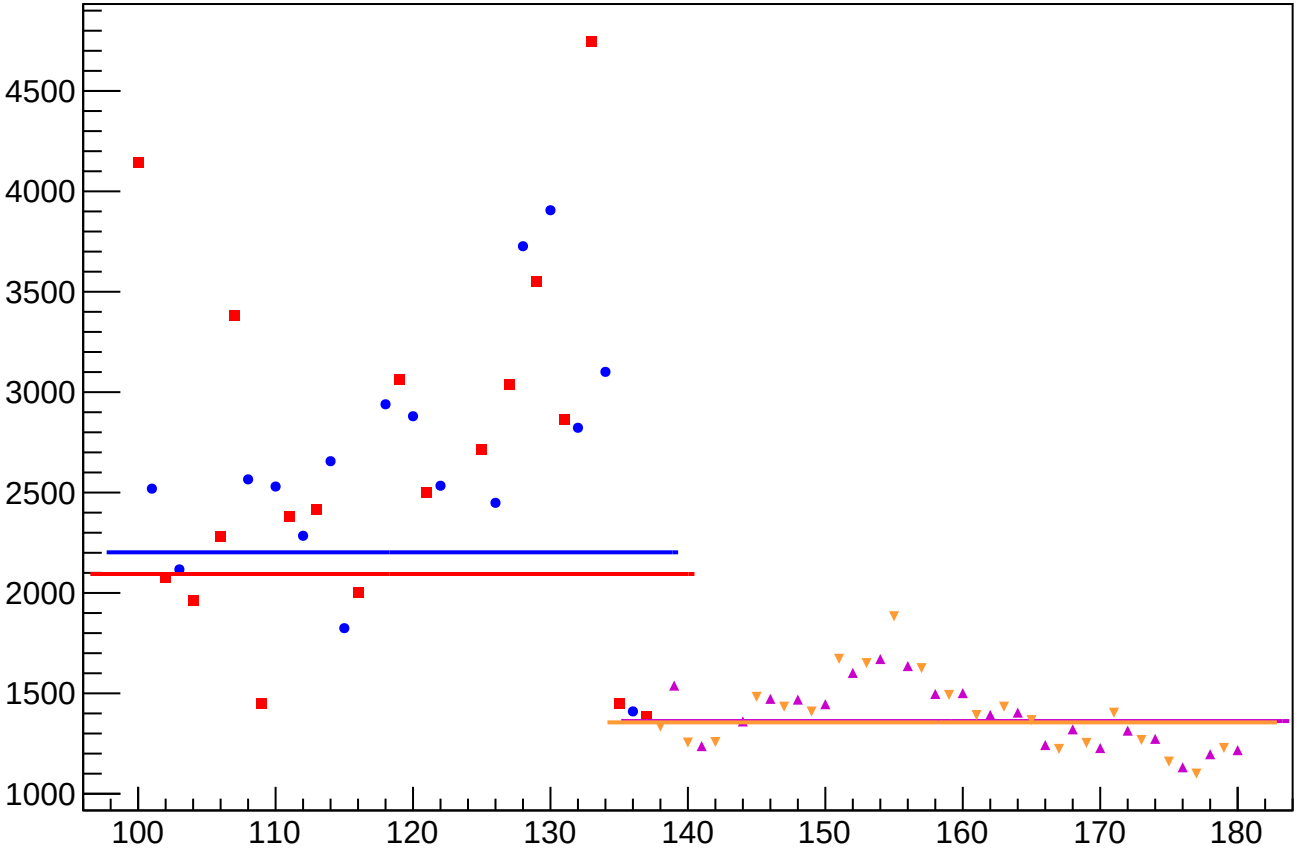
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 178.268+/-308.404 χ^2/NDF:49.2/36

Out: -1093.065+/-310.451 χ^2/NDF:77.9/38

All: -453.192+/-218.795 χ^2/NDF: 135.5/75

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: 1355.473+/-0.237 χ^2/NDF:534369.5/20

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1362.123+/-0.234 χ^2/NDF:392628.9/20

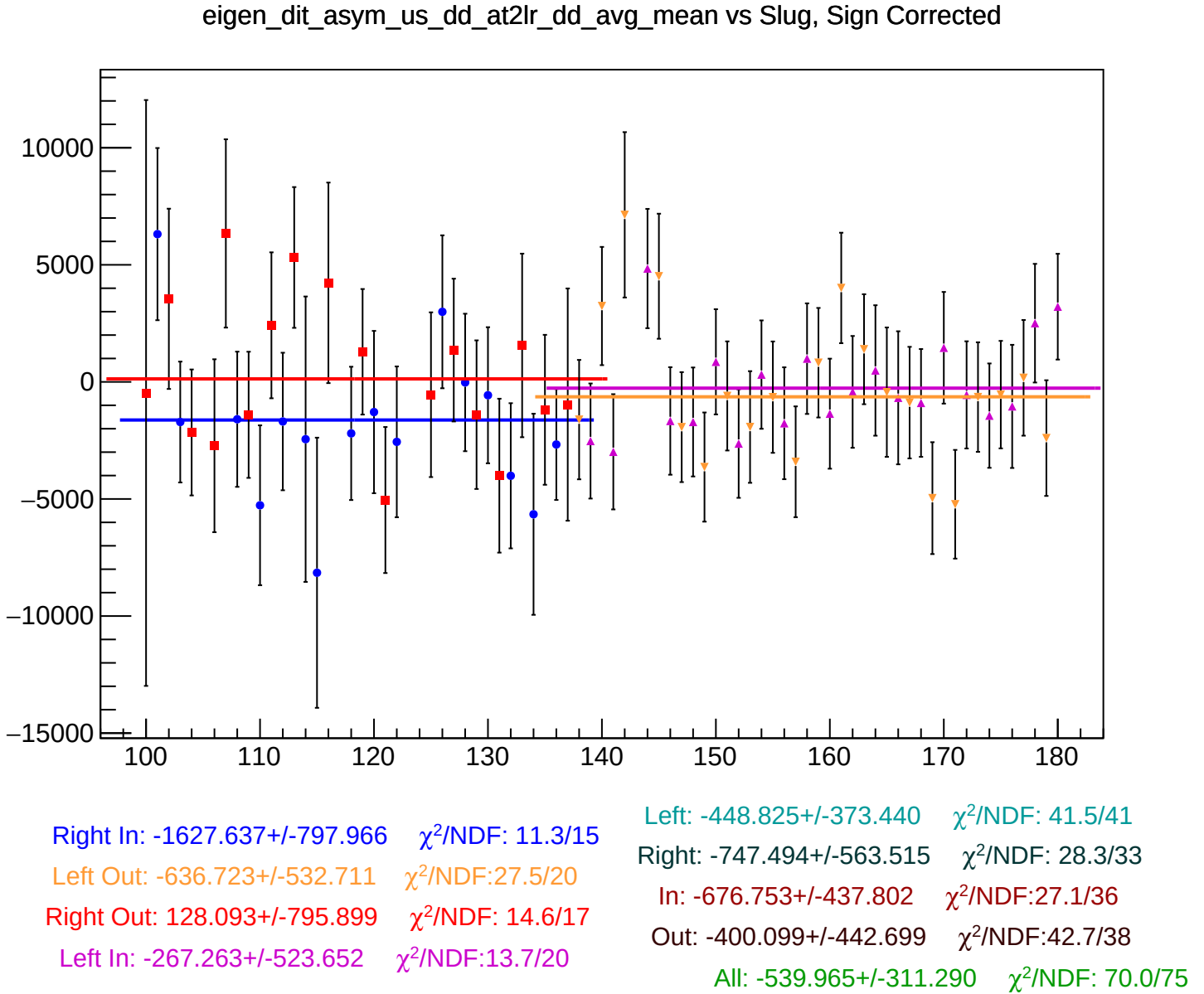
Left: 1358.849+/-0.166 χ^2/NDF: 927397.4/41

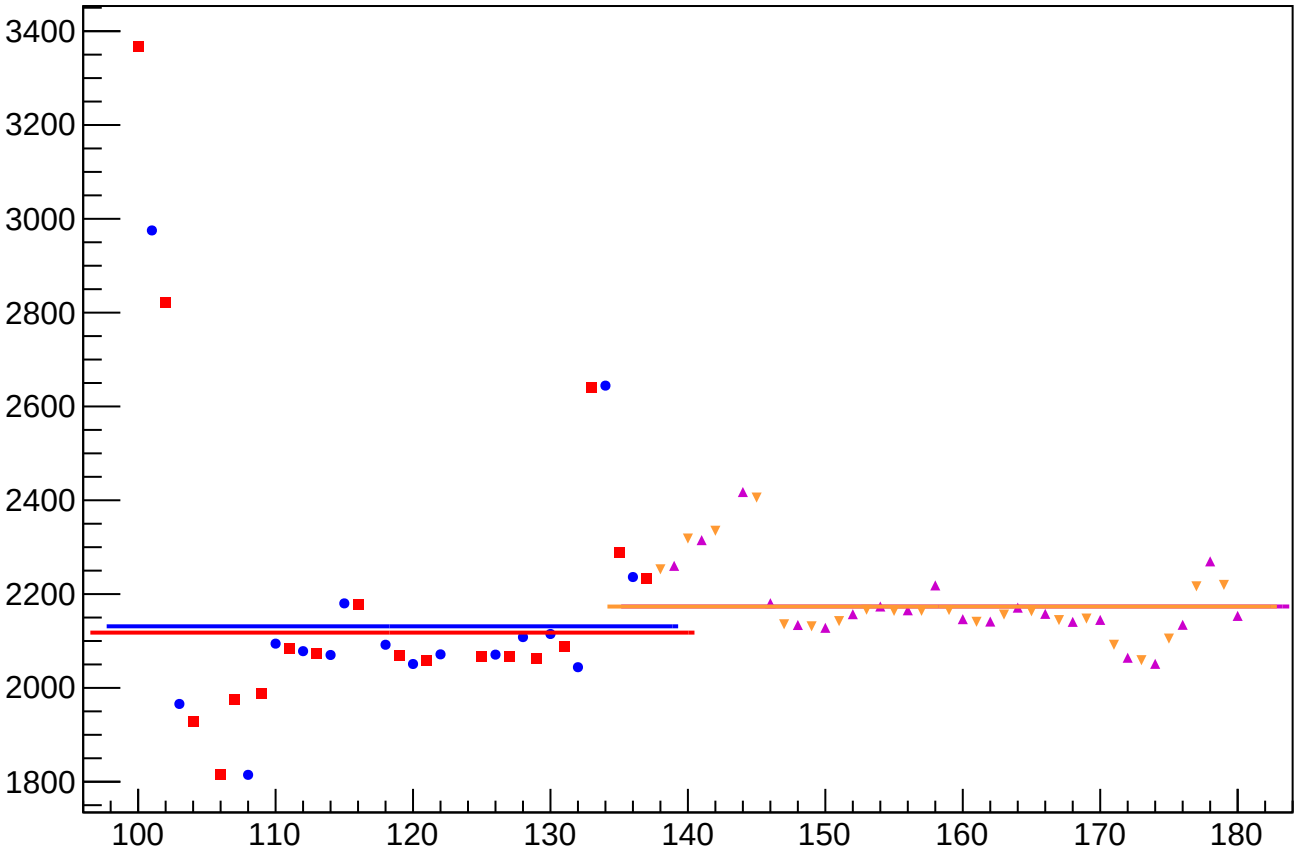
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1470.242+/-0.218 χ^2/NDF:3280099.8/36

Out: 1461.454+/-0.220 χ^2/NDF:3300132.3/38

All: 1465.877+/-0.155 χ^2/NDF: 6581038.7/75


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -636.723+/-532.711 χ²/NDF:27.5/20
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -267.263+/-523.652 χ²/NDF:13.7/20
Left: -448.825+/-373.440 χ²/NDF: 41.5/41
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -676.753+/-437.802 χ²/NDF:27.1/36
Out: -400.099+/-442.699 χ²/NDF:42.7/38
All: -539.965+/-311.290 χ²/NDF: 70.0/75



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.431+/-0.377 χ^2/NDF:40832.9/20

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2173.569+/-0.370 χ^2/NDF:45129.4/20

Left: 2173.501+/-0.264 χ^2/NDF: 85962.4/41

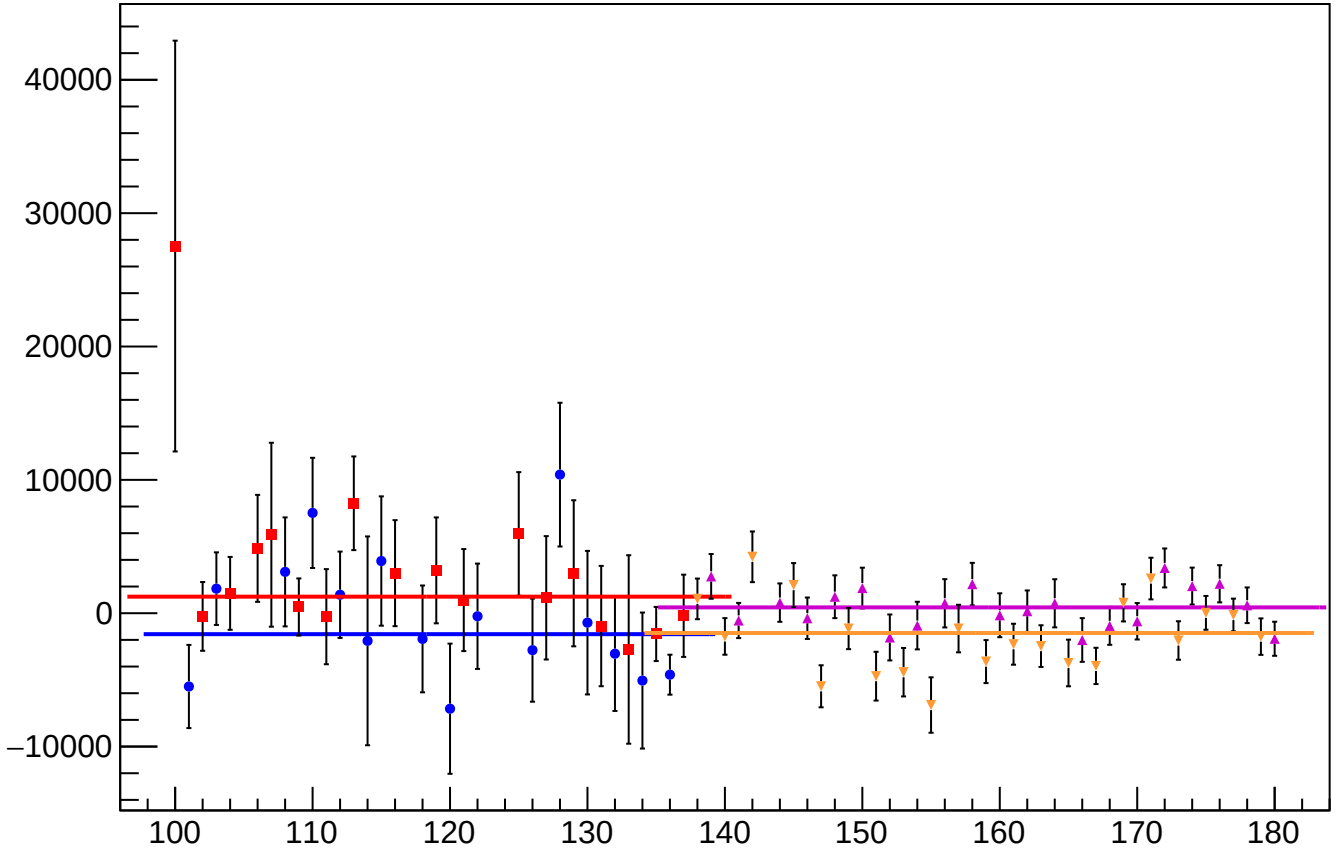
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2160.845+/-0.310 χ^2/NDF:224995.6/36

Out: 2156.240+/-0.313 χ^2/NDF:211187.4/38

All: 2158.568+/-0.220 χ^2/NDF: 436292.3/75

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: -1483.856+/-335.435 χ^2/NDF:55.4/20

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 436.600+/-330.391 χ^2/NDF:21.9/20

Left: -509.081+/-235.385 χ^2/NDF: 93.9/41

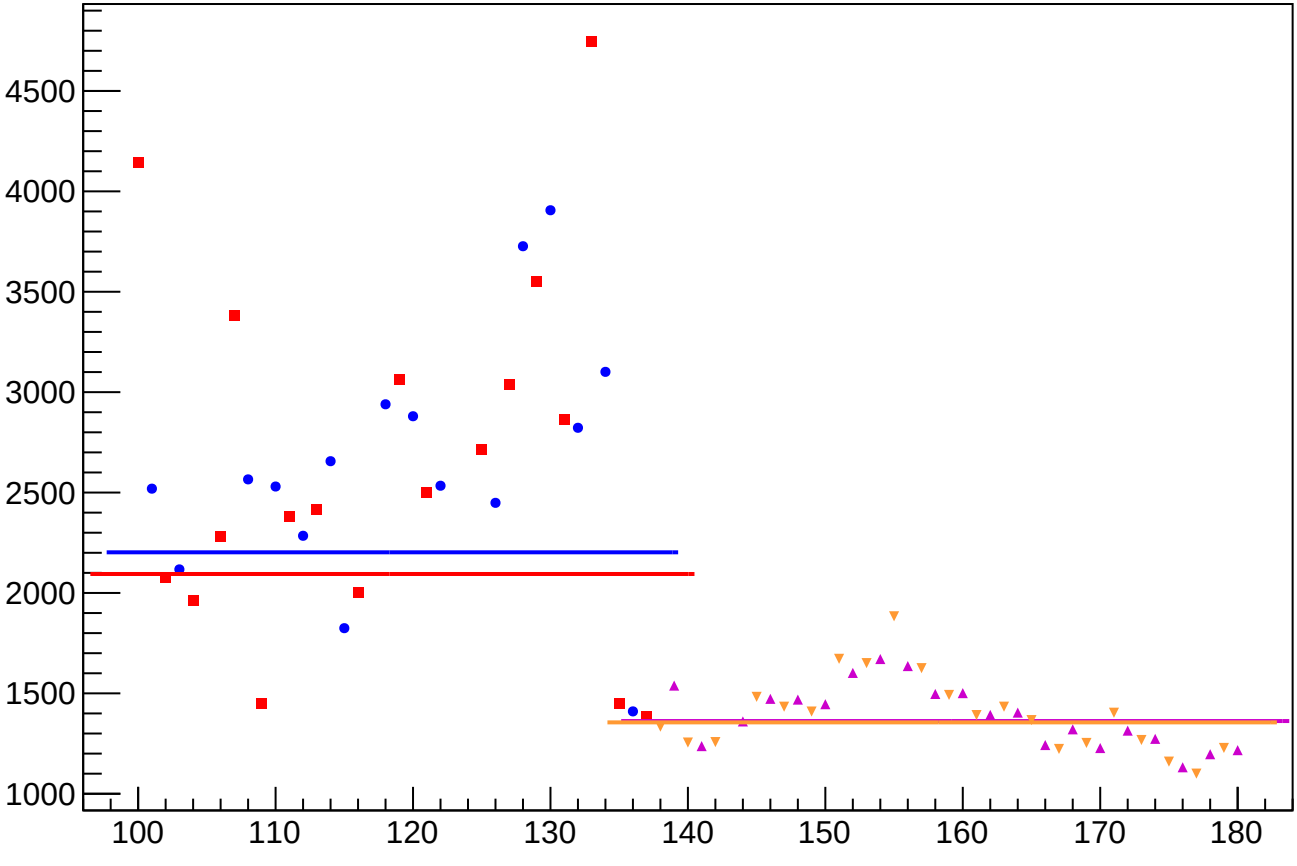
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 178.269+/-308.403 χ^2/NDF:49.2/36

Out: -1093.068+/-310.451 χ^2/NDF:77.9/38

All: -453.193+/-218.795 χ^2/NDF: 135.5/75

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: 1355.473+/-0.237 χ^2/NDF:534367.6/20

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1362.121+/-0.234 χ^2/NDF:392638.2/20

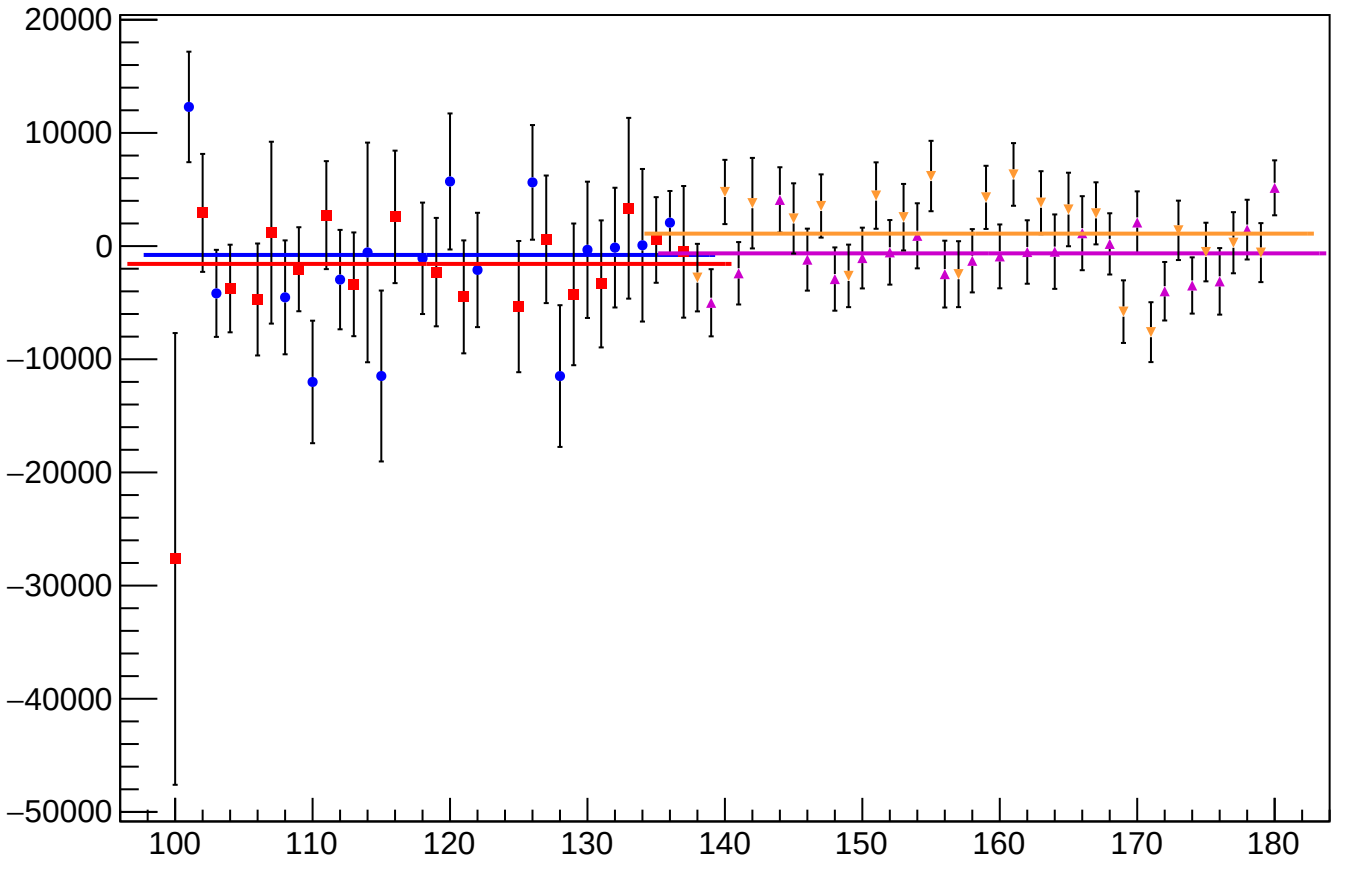
Left: 1358.848+/-0.166 χ^2/NDF: 927404.5/41

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1470.241+/-0.218 χ^2/NDF:3280095.1/36

Out: 1461.455+/-0.220 χ^2/NDF:3300120.5/38

All: 1465.877+/-0.155 χ^2/NDF: 6581021.9/75



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1101.220+/-622.284 χ^2/NDF:37.0/20

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -642.613+/-608.671 χ^2/NDF:18.1/20

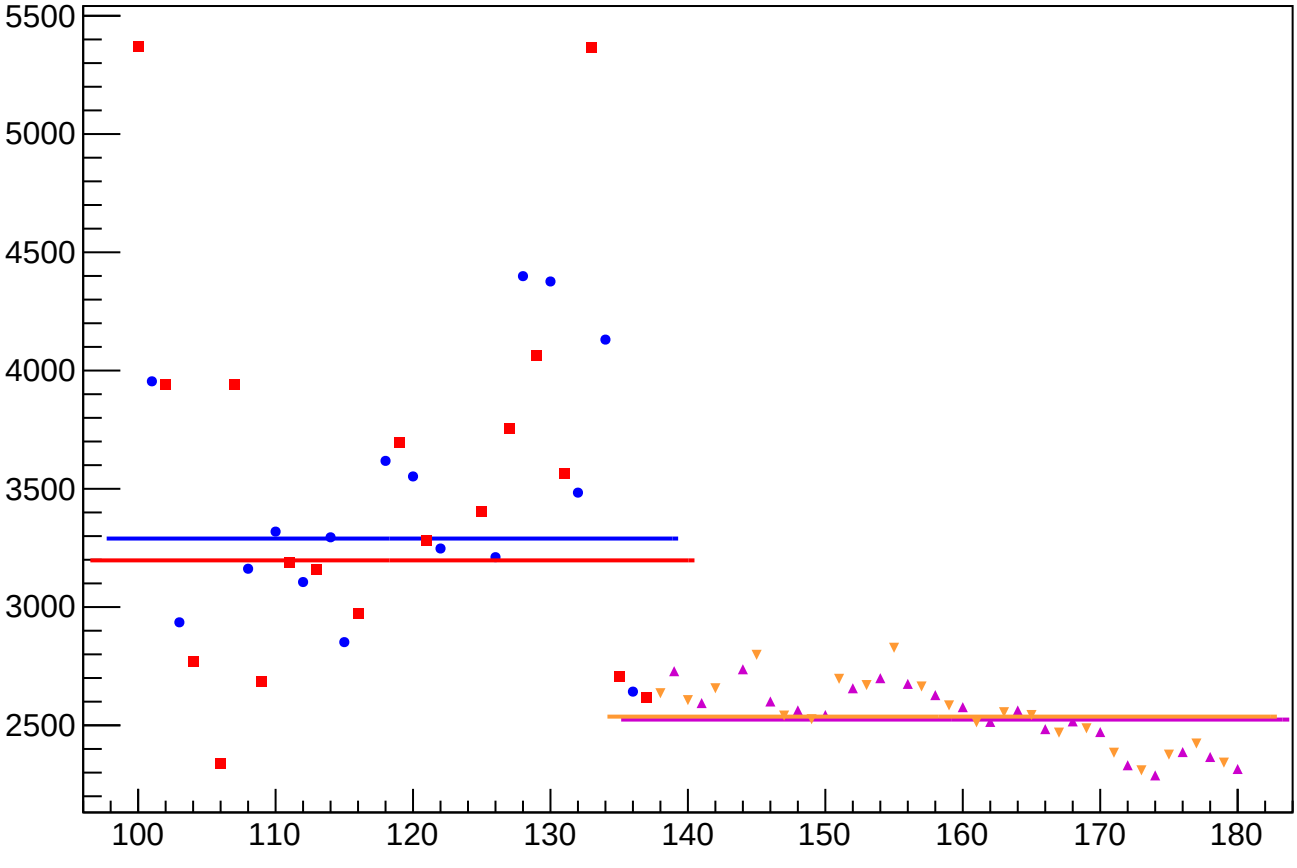
Left: 210.020+/-435.128 χ^2/NDF: 59.1/41

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -669.543+/-546.540 χ^2/NDF:40.0/36

Out: 548.017+/-554.240 χ^2/NDF:47.6/38

All: -69.279+/-389.156 χ^2/NDF: 90.0/75



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2536.748+/-0.440 χ^2/NDF:97517.4/20

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2524.217+/-0.430 χ^2/NDF:100964.3/20

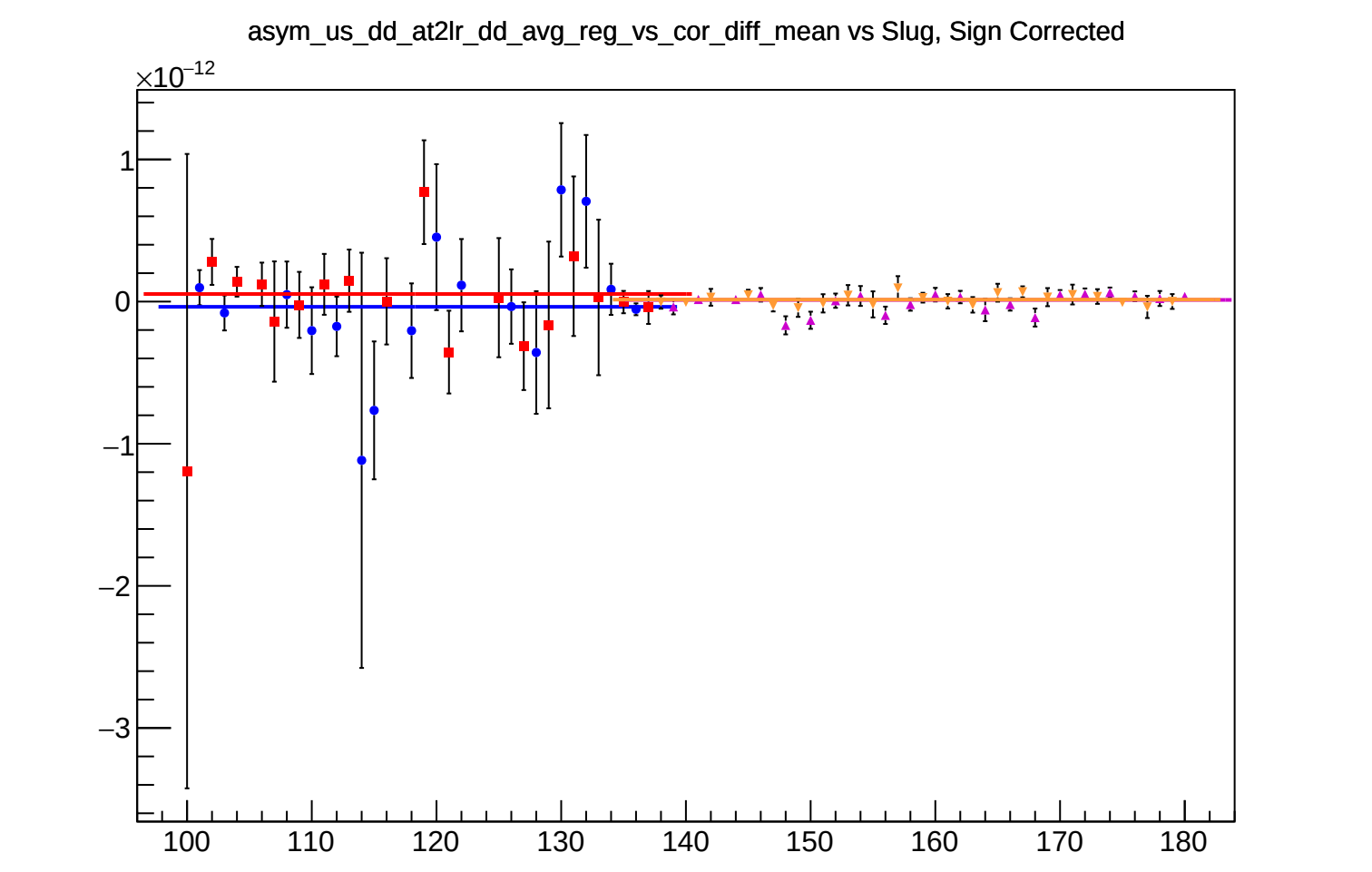
Left: 2530.344+/-0.308 χ^2/NDF: 198896.2/41

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2672.514+/-0.386 χ^2/NDF:1061372.0/36

Out: 2673.326+/-0.392 χ^2/NDF:1063457.6/38

All: 2672.915+/-0.275 χ^2/NDF: 2124831.7/75



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:30.1/20

Left: 0.000+/-0.000 χ^2/NDF: 39.4/41

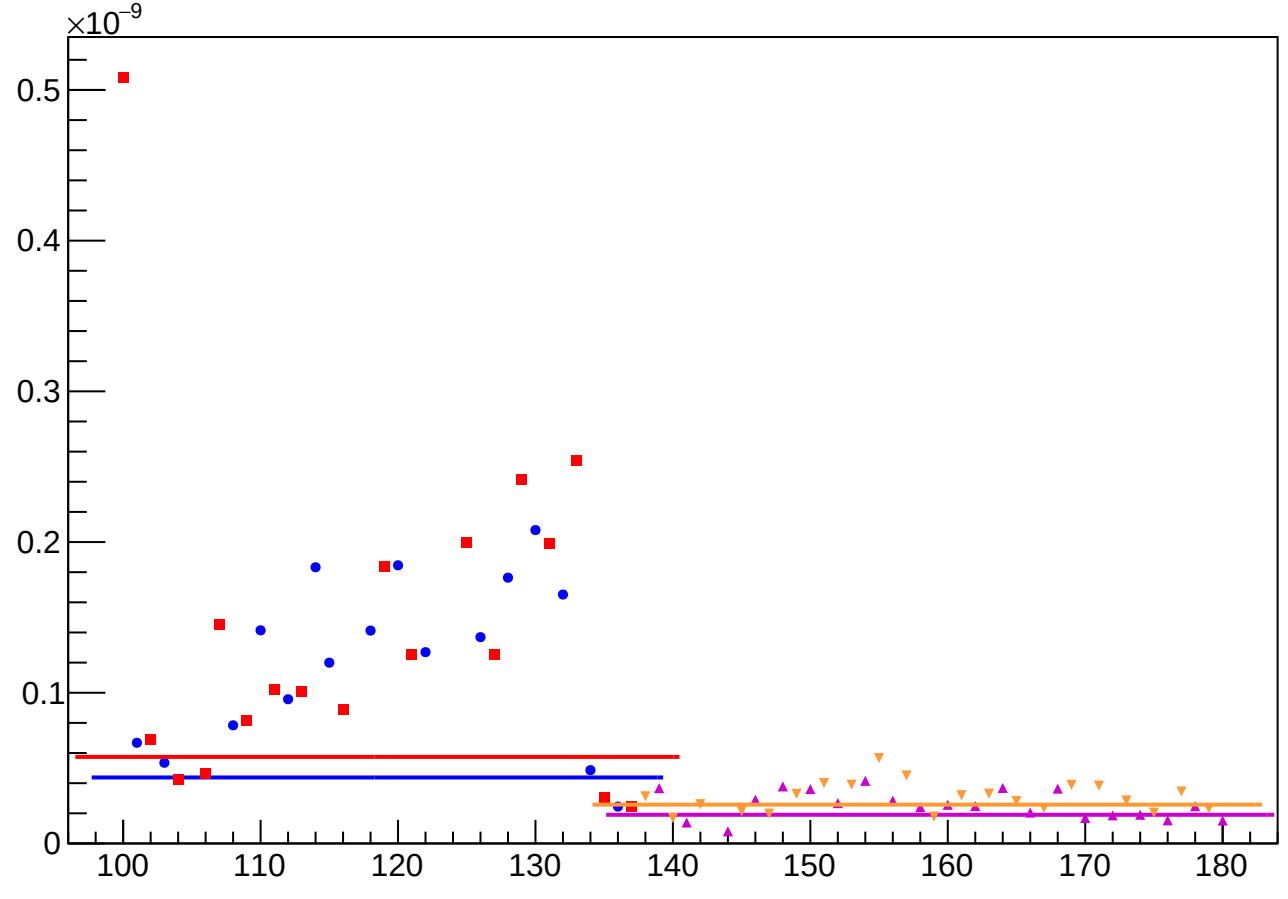
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:45.2/36

Out: 0.000+/-0.000 χ^2/NDF:22.6/38

All: 0.000+/-0.000 χ^2/NDF: 68.1/75

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1213433.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2187571.4/20

Left: 0.000+/-0.000 χ^2/NDF: 3886265.2/41

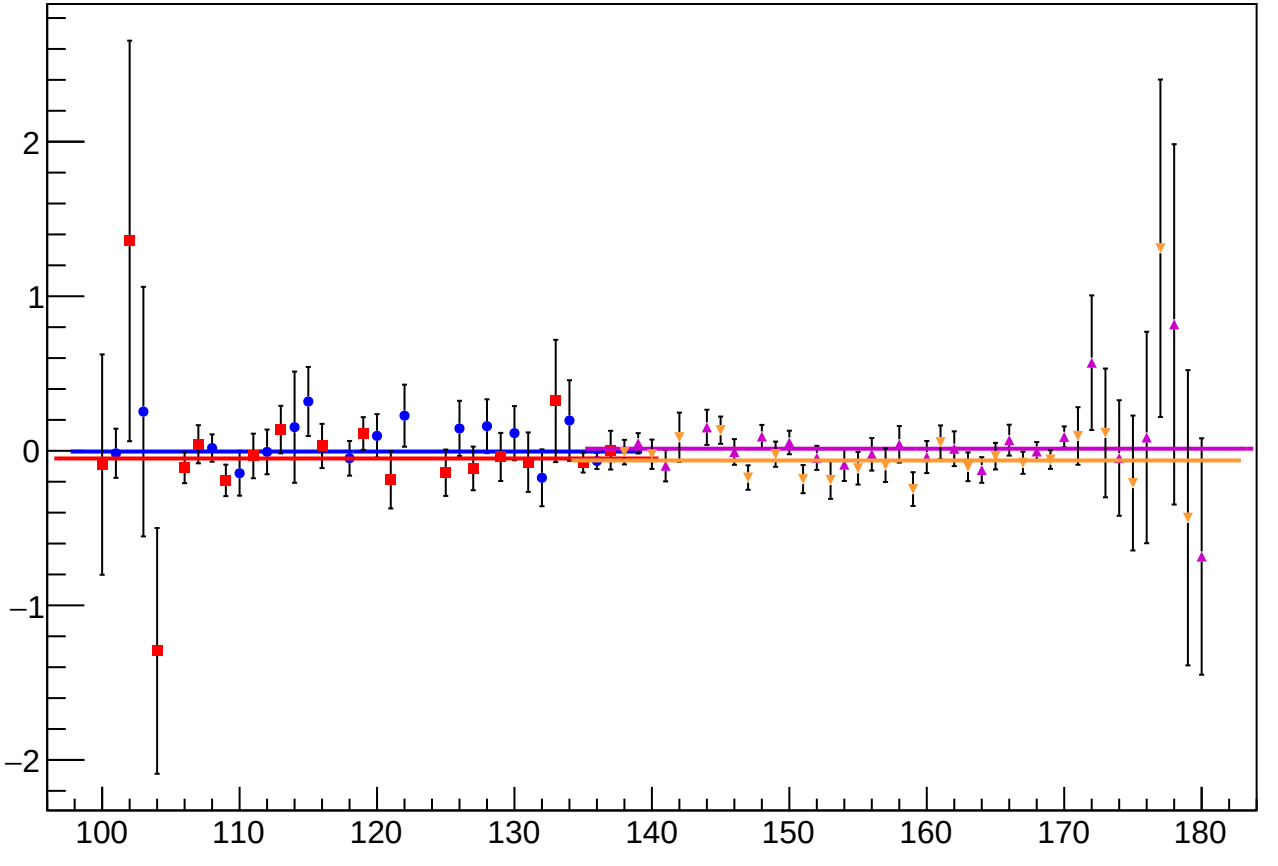
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5391018.9/36

Out: 0.000+/-0.000 χ^2/NDF:4307524.0/38

All: 0.000+/-0.000 χ^2/NDF: 10260363.6/75

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: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:13.8/20

Left: -0.023+/-0.015 χ^2/NDF: 38.9/41

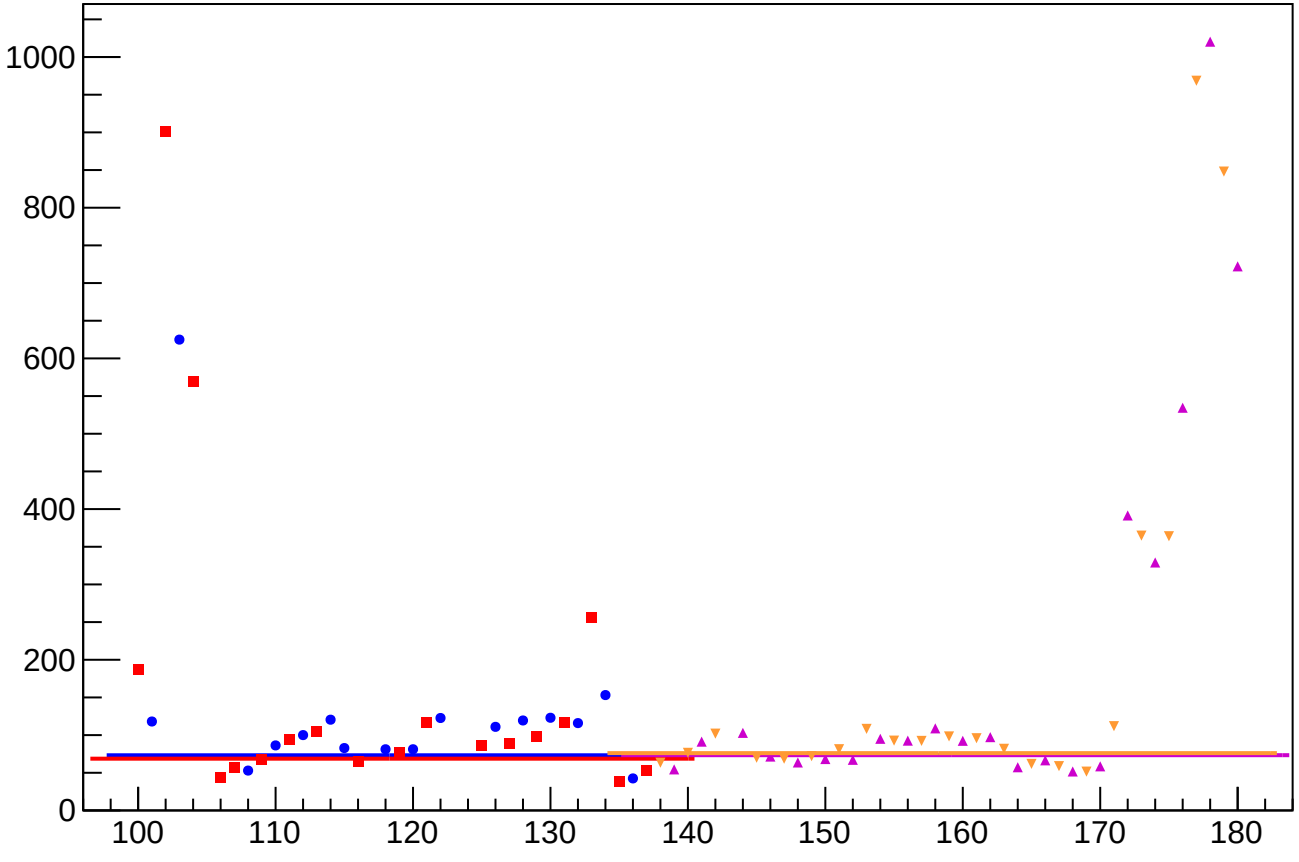
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.3/36

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 63.2/75

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: 76.094+/-0.016 χ^2/NDF:5583262.0/20

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

Left: 74.662+/-0.011 χ^2/NDF: 12610474.9/41

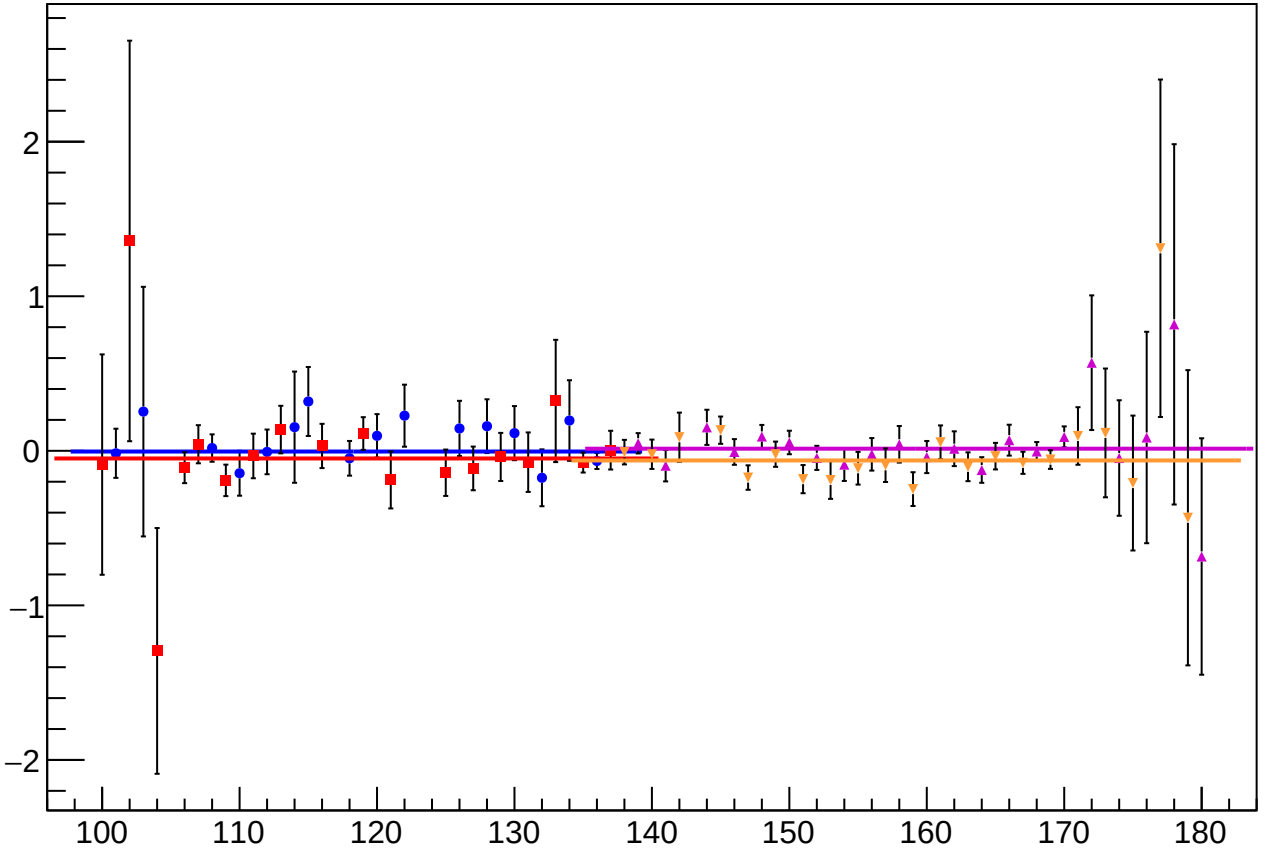
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.320+/-0.013 χ^2/NDF:9865846.6/36

Out: 73.673+/-0.013 χ^2/NDF:8987783.1/38

All: 73.492+/-0.009 χ^2/NDF: 18854019.1/75

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: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:13.8/20

Left: -0.023+/-0.015 χ^2/NDF: 38.9/41

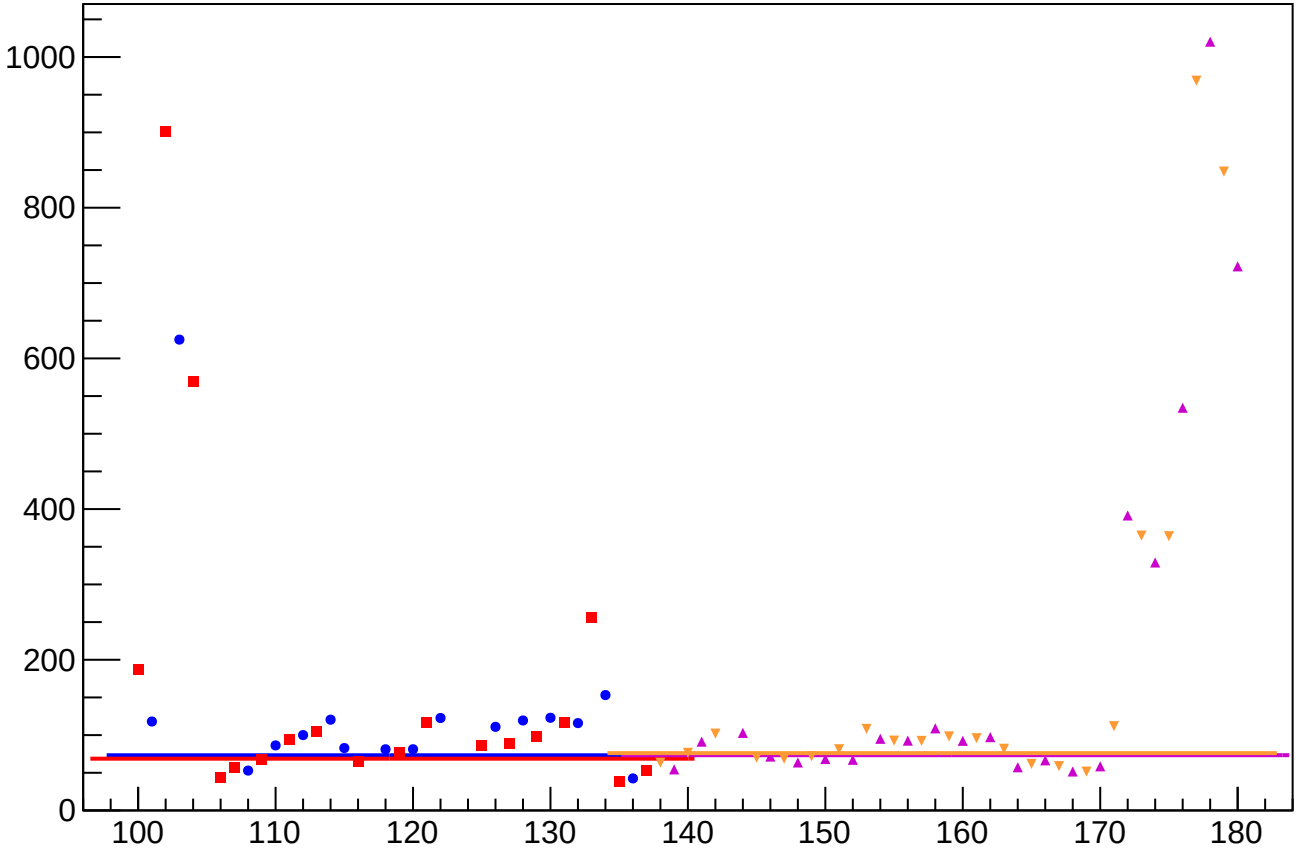
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.3/36

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 63.2/75

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.094+/-0.016 χ^2/NDF:5583262.0/20

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 73.356+/-0.015 χ^2/NDF:7011225.4/20

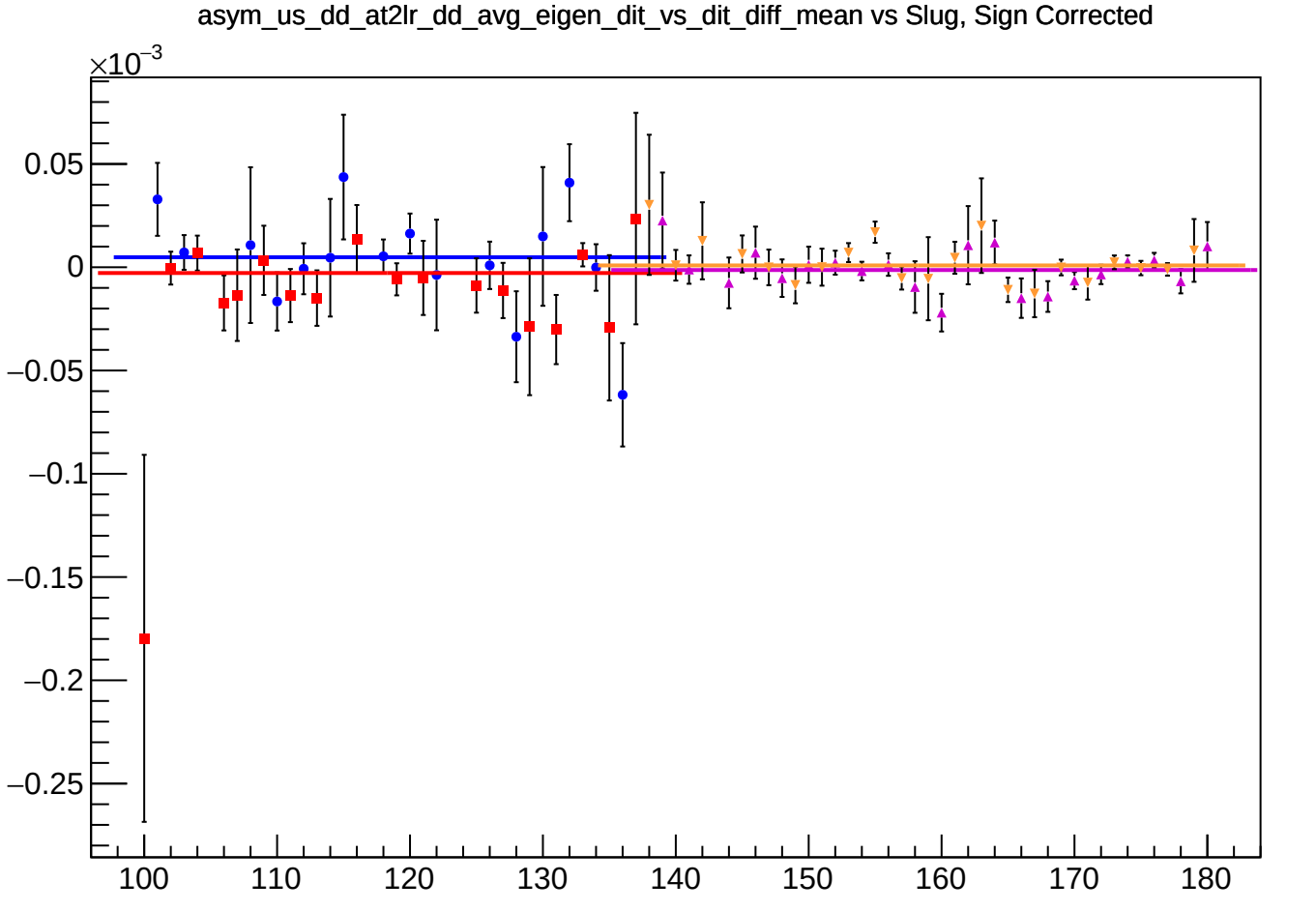
Left: 74.662+/-0.011 χ^2/NDF: 12610474.9/41

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

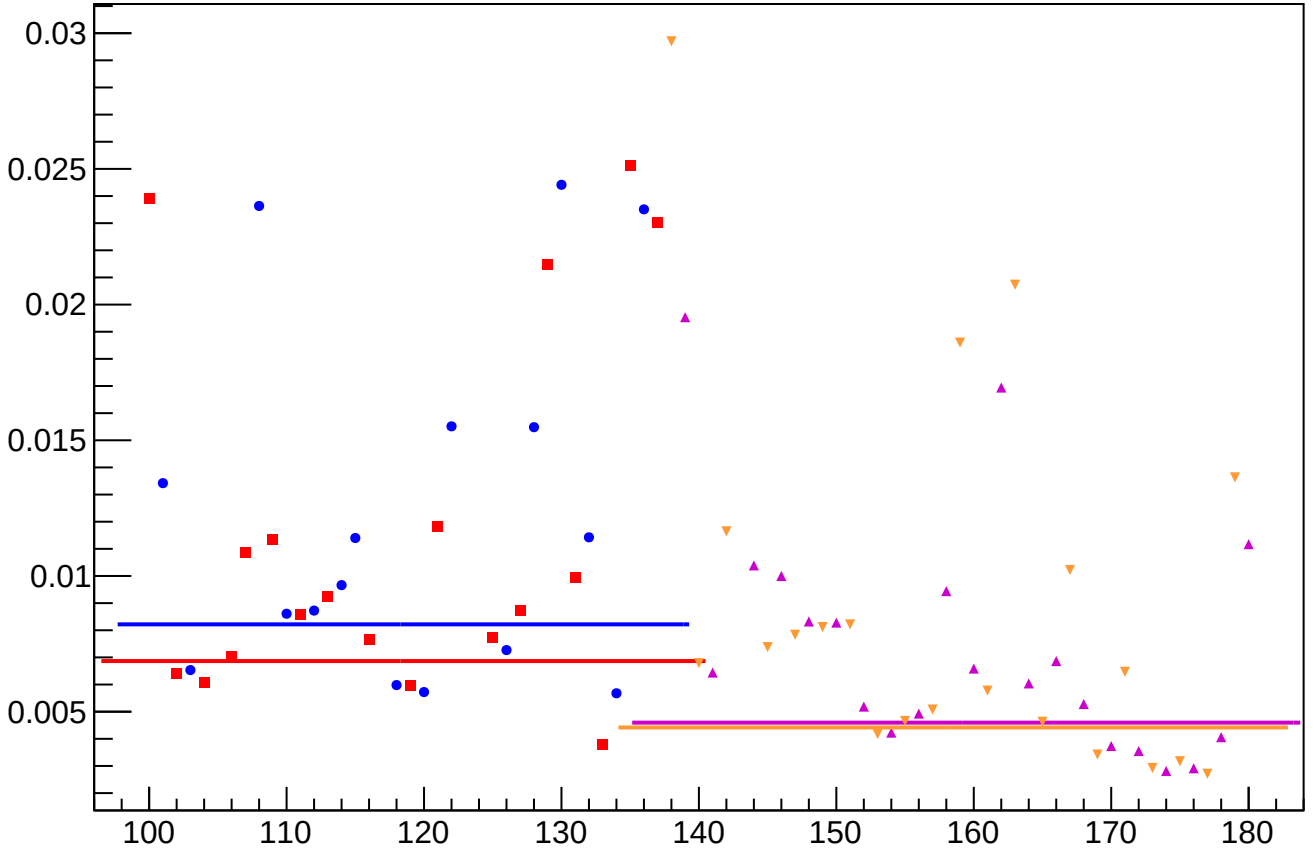
In: 73.320+/-0.013 χ^2/NDF:9865846.6/36

Out: 73.673+/-0.013 χ^2/NDF:8987783.1/38

All: 73.492+/-0.009 χ^2/NDF: 18854019.1/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:24.0/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:22.1/20
Left: -0.000+/-0.000 χ²/NDF: 47.6/41
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:47.4/36
Out: 0.000+/-0.000 χ²/NDF:42.2/38
All: -0.000+/-0.000 χ²/NDF: 89.9/75

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: 0.004+/-0.000 χ^2/NDF:7757268.4/20

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5856952.7/20

Left: 0.005+/-0.000 χ^2/NDF: 13632801.7/41

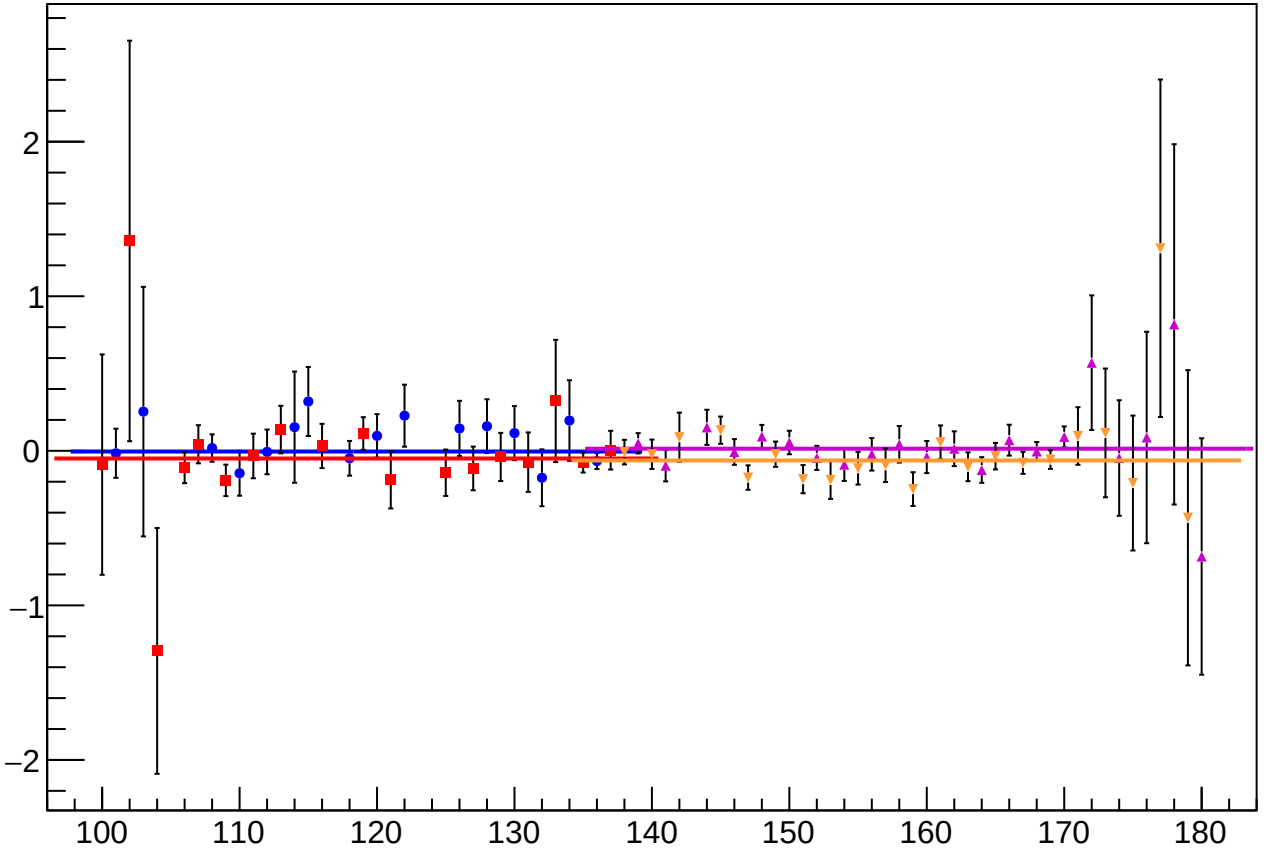
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:10386924.5/36

Out: 0.005+/-0.000 χ^2/NDF:11423682.6/38

All: 0.005+/-0.000 χ^2/NDF: 21848140.8/75

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: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:13.8/20

Left: -0.023+/-0.015 χ^2/NDF: 38.9/41

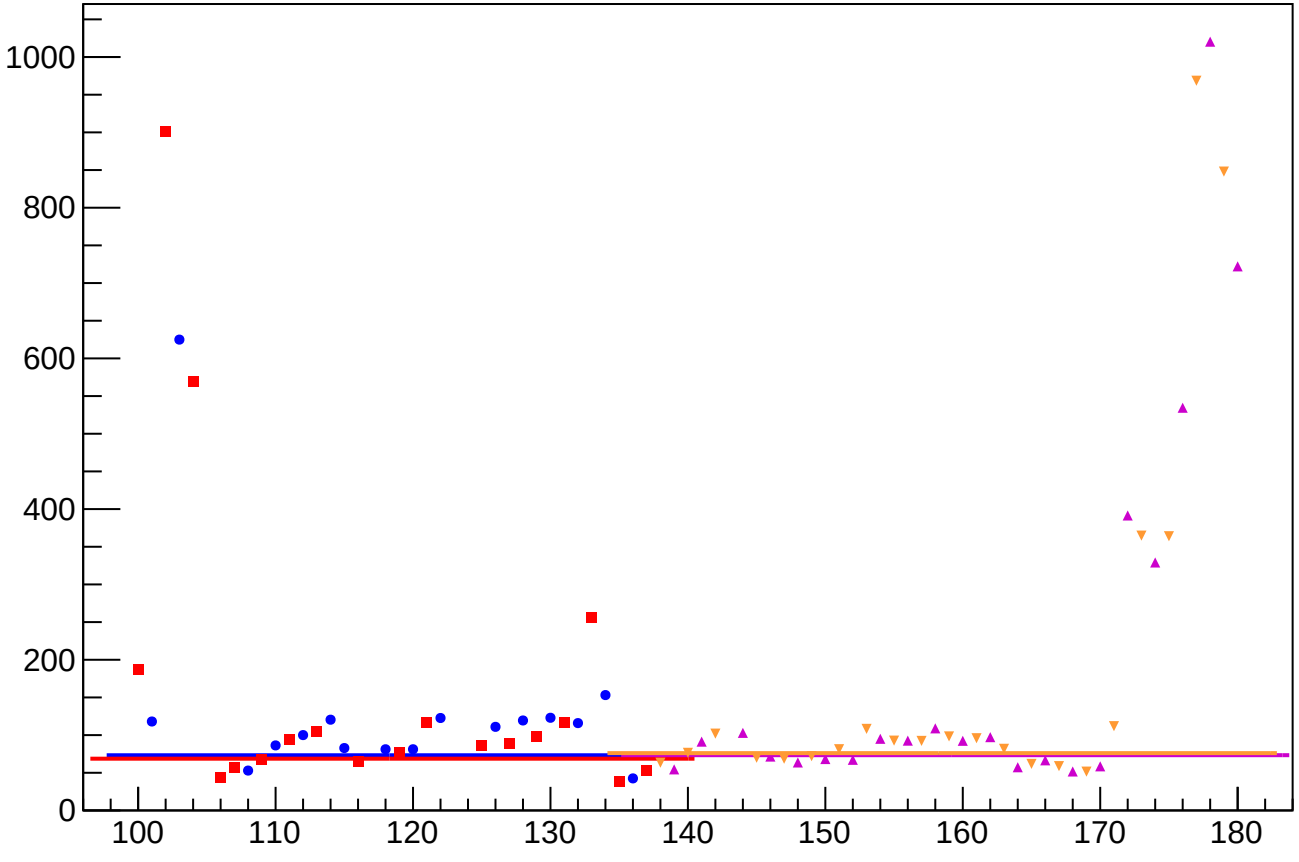
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.3/36

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 63.2/75

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

Left: 74.663+/-0.011 χ^2/NDF: 12610092.5/41

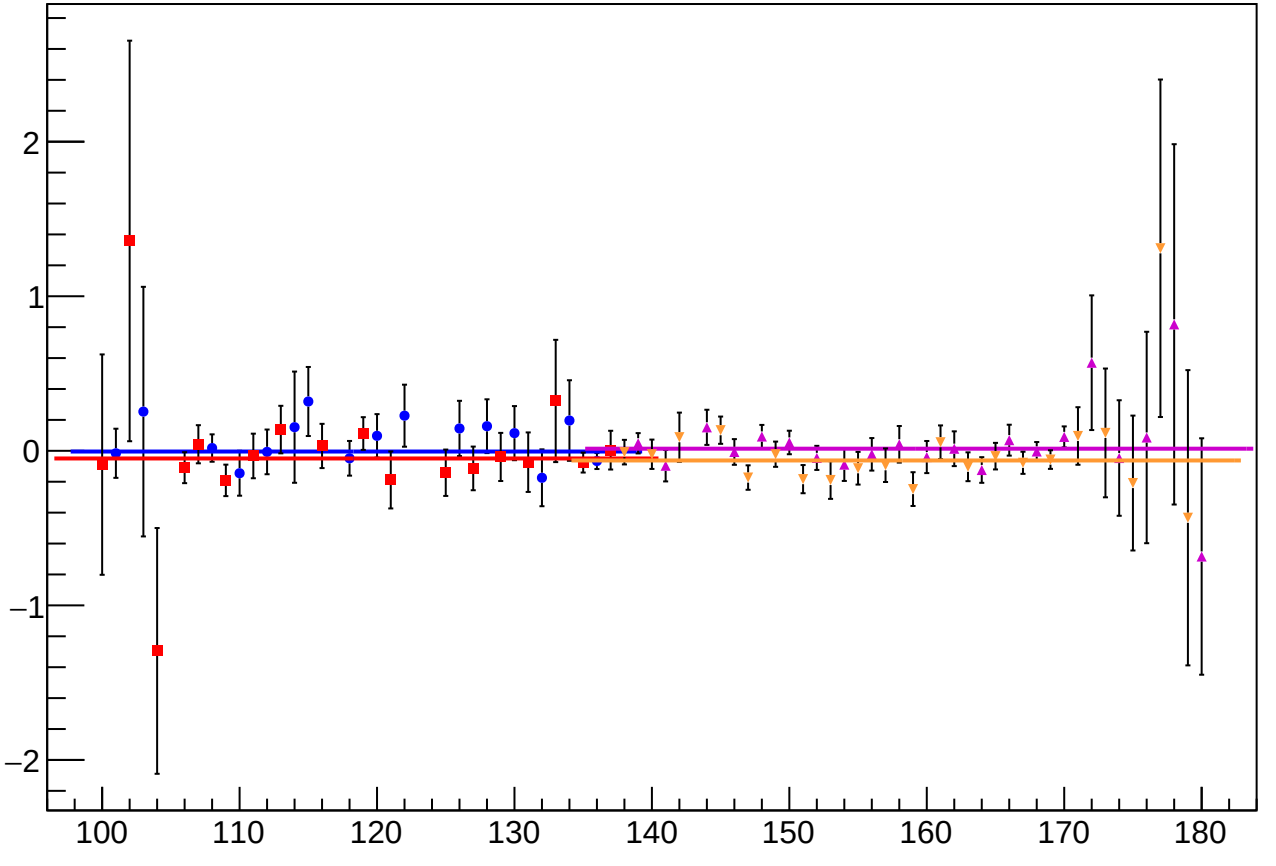
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.328+/-0.013 χ^2/NDF:9863266.3/36

Out: 73.669+/-0.013 χ^2/NDF:8988921.9/38

All: 73.494+/-0.009 χ^2/NDF: 18852550.3/75

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: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:13.8/20

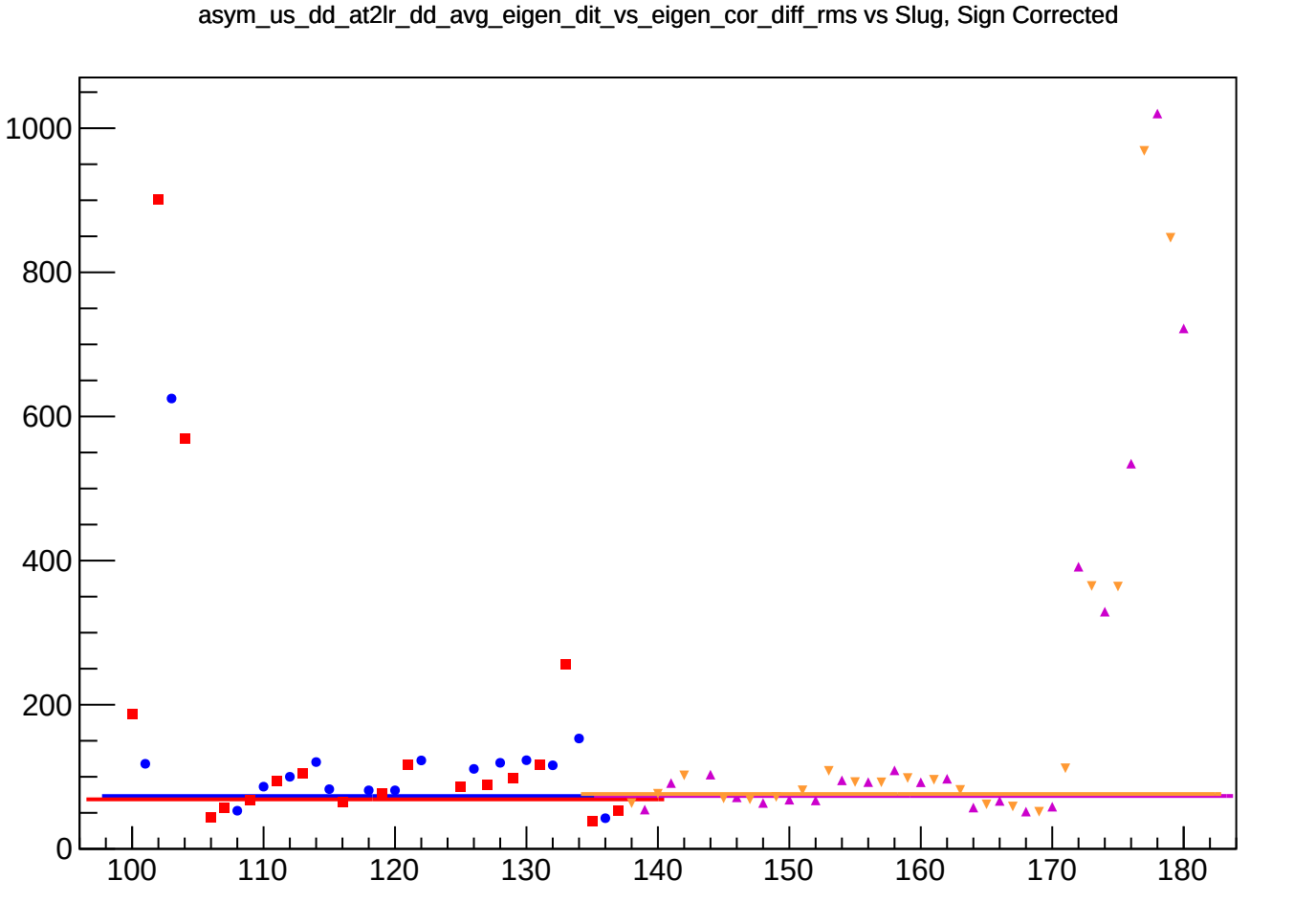
Left: -0.023+/-0.015 χ^2/NDF: 38.9/41

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:24.3/36

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 63.2/75



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 73.357+/-0.015 χ^2/NDF:7010946.6/20

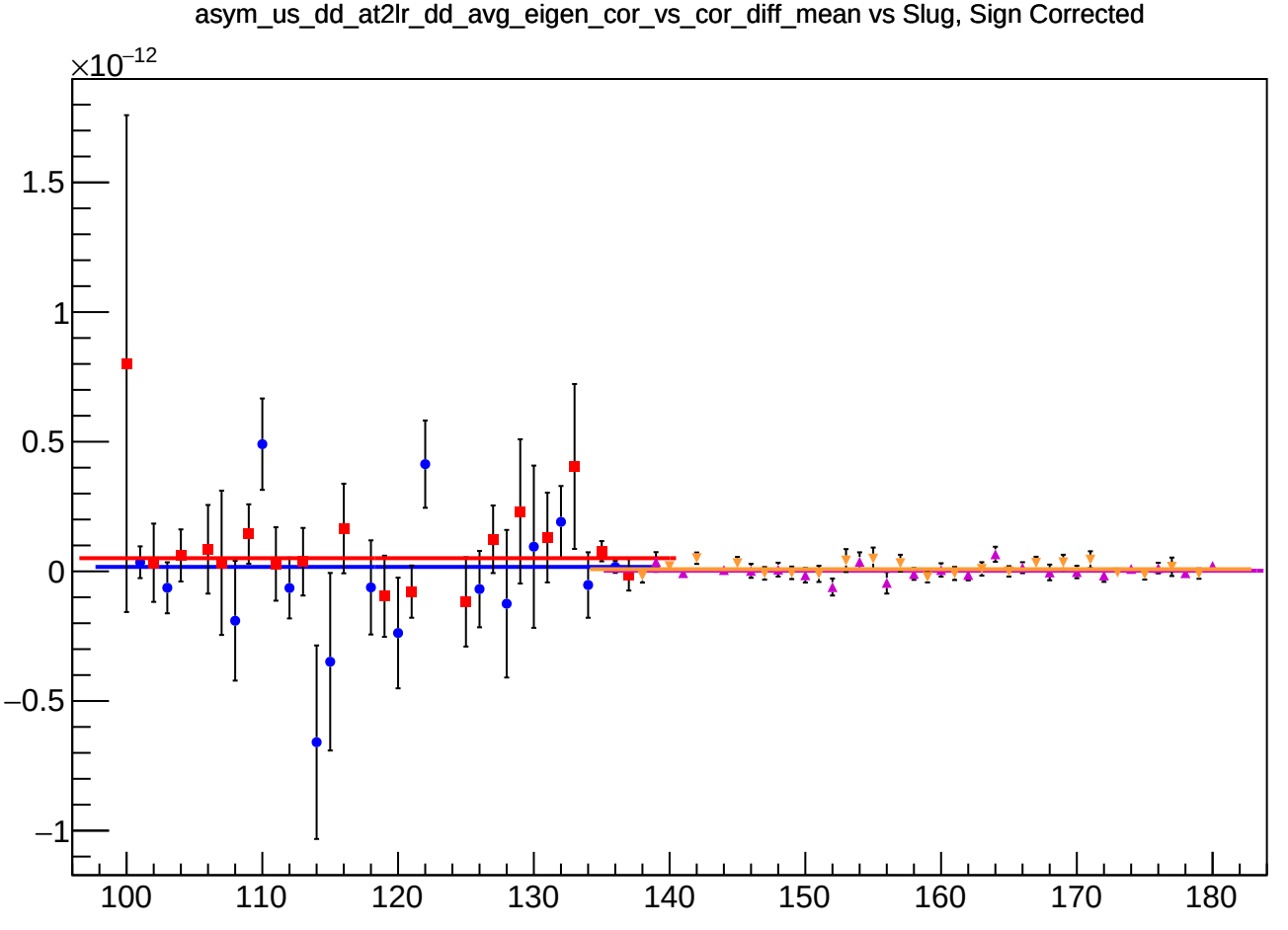
Left: 74.663+/-0.011 χ^2/NDF: 12610092.5/41

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.328+/-0.013 χ^2/NDF:9863266.3/36

Out: 73.669+/-0.013 χ^2/NDF:8988921.9/38

All: 73.494+/-0.009 χ^2/NDF: 18852550.3/75



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/20

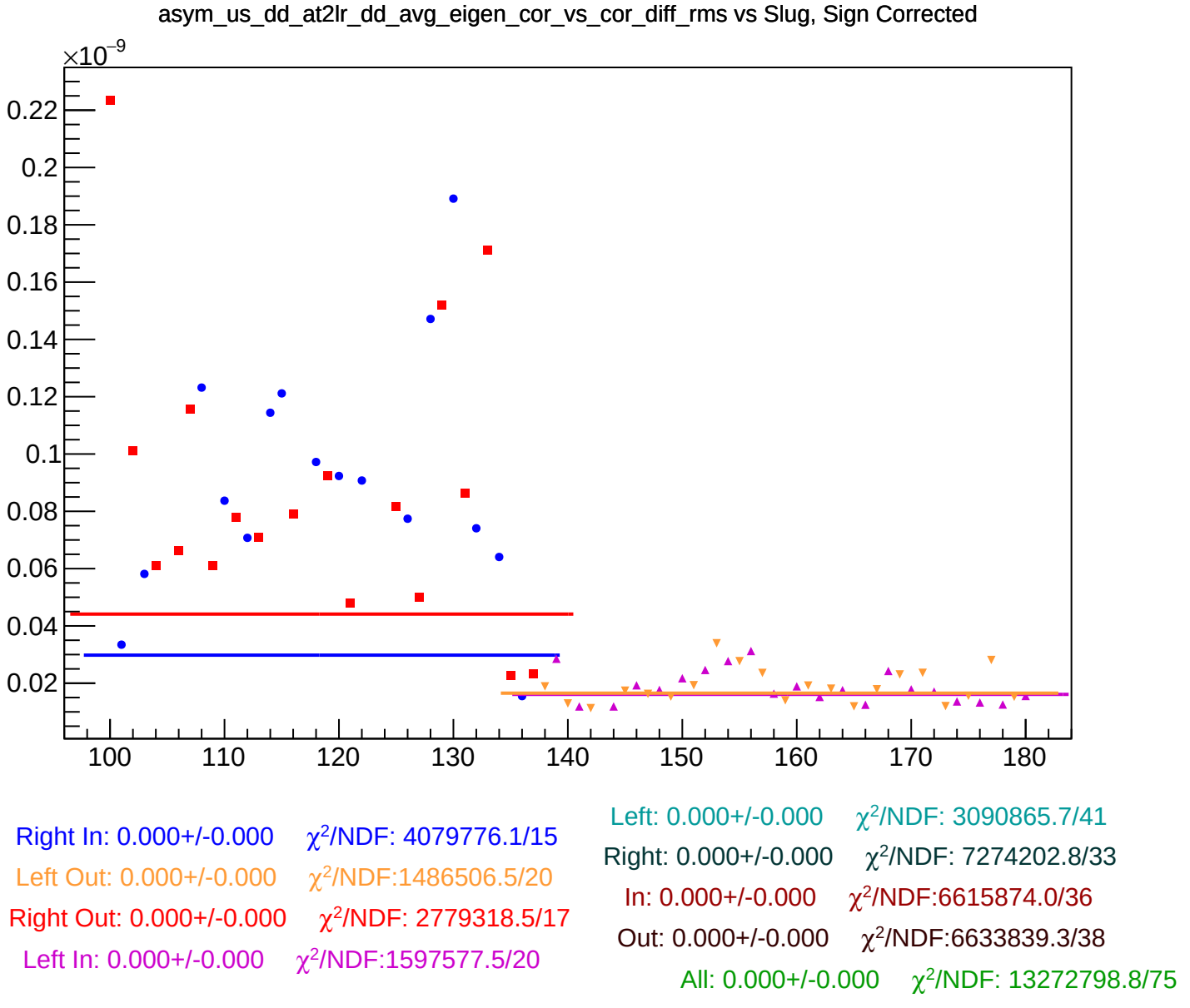
Left: 0.000+/-0.000 χ^2/NDF: 33.3/41

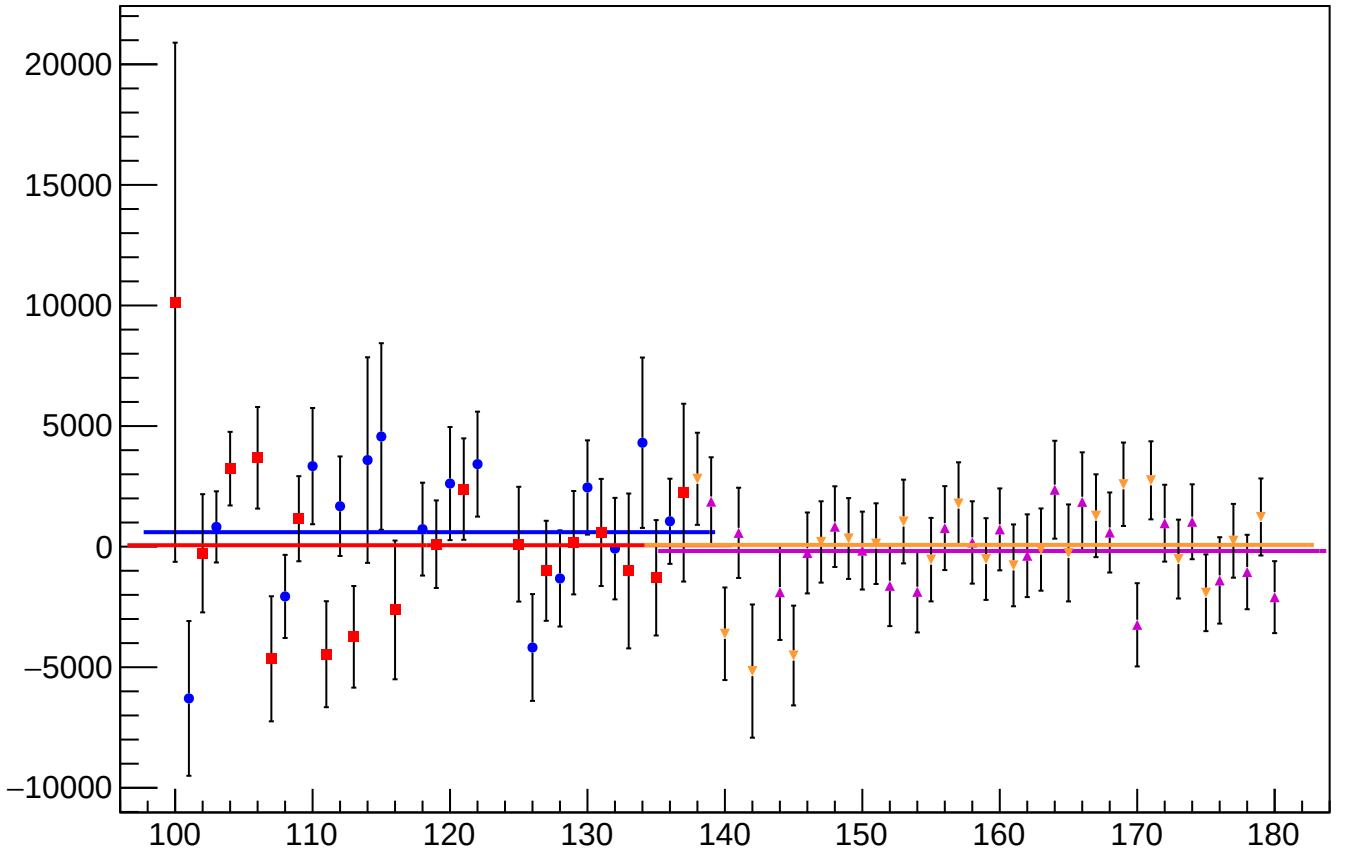
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:39.6/36

Out: 0.000+/-0.000 χ^2/NDF:28.9/38

All: 0.000+/-0.000 χ^2/NDF: 69.4/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1486506.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1597577.5/20
Left: 0.000+/-0.000 χ²/NDF: 3090865.7/41
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6615874.0/36
Out: 0.000+/-0.000 χ²/NDF:6633839.3/38
All: 0.000+/-0.000 χ²/NDF: 13272798.8/75



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.348+/-380.338 χ^2/NDF:23.7/20

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -181.091+/-373.511 χ^2/NDF:14.4/20

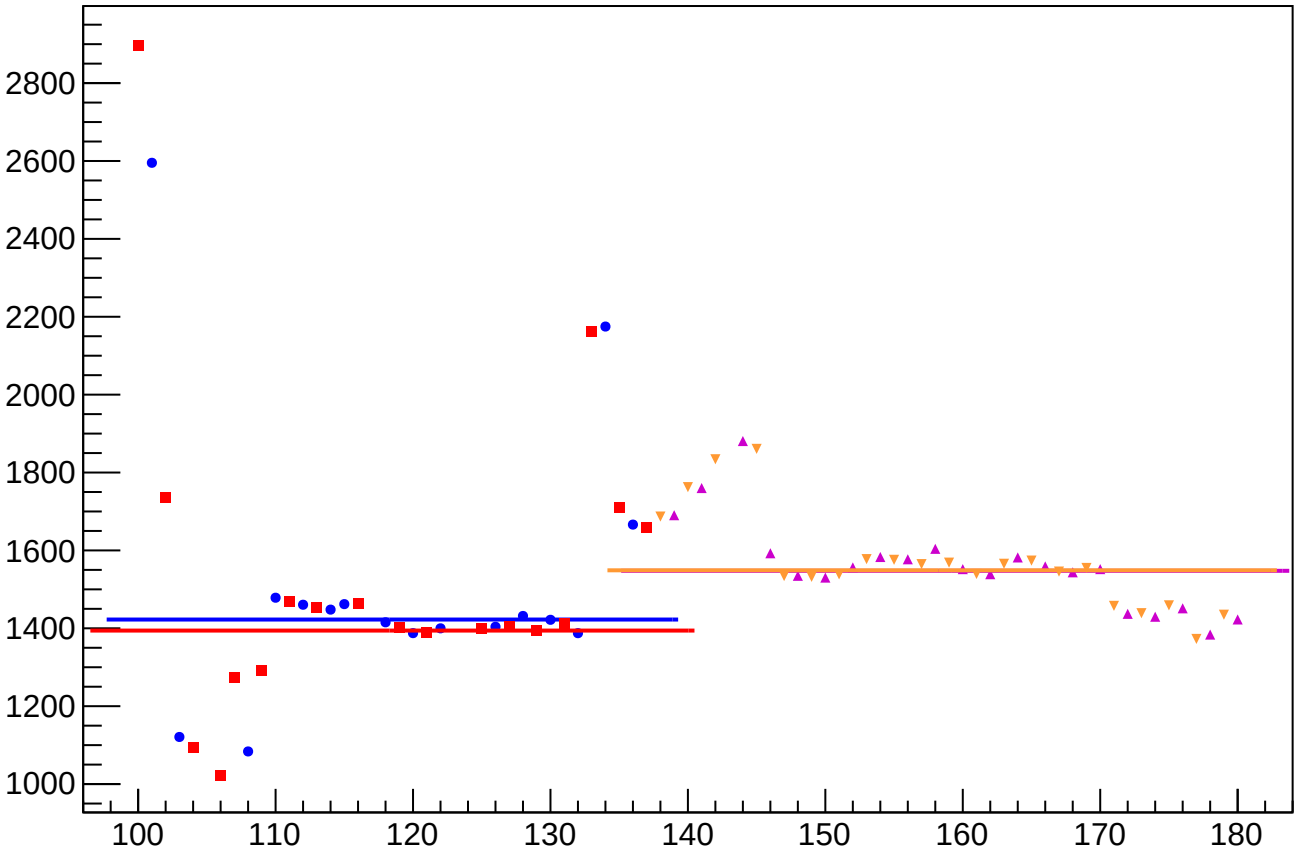
Left: -56.666+/-266.493 χ^2/NDF: 38.3/41

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 71.690+/-307.197 χ^2/NDF:36.1/36

Out: 67.844+/-309.047 χ^2/NDF:46.3/38

All: 69.778+/-217.872 χ^2/NDF: 82.4/75



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1547.612+/-0.264 χ^2/NDF:164040.5/20

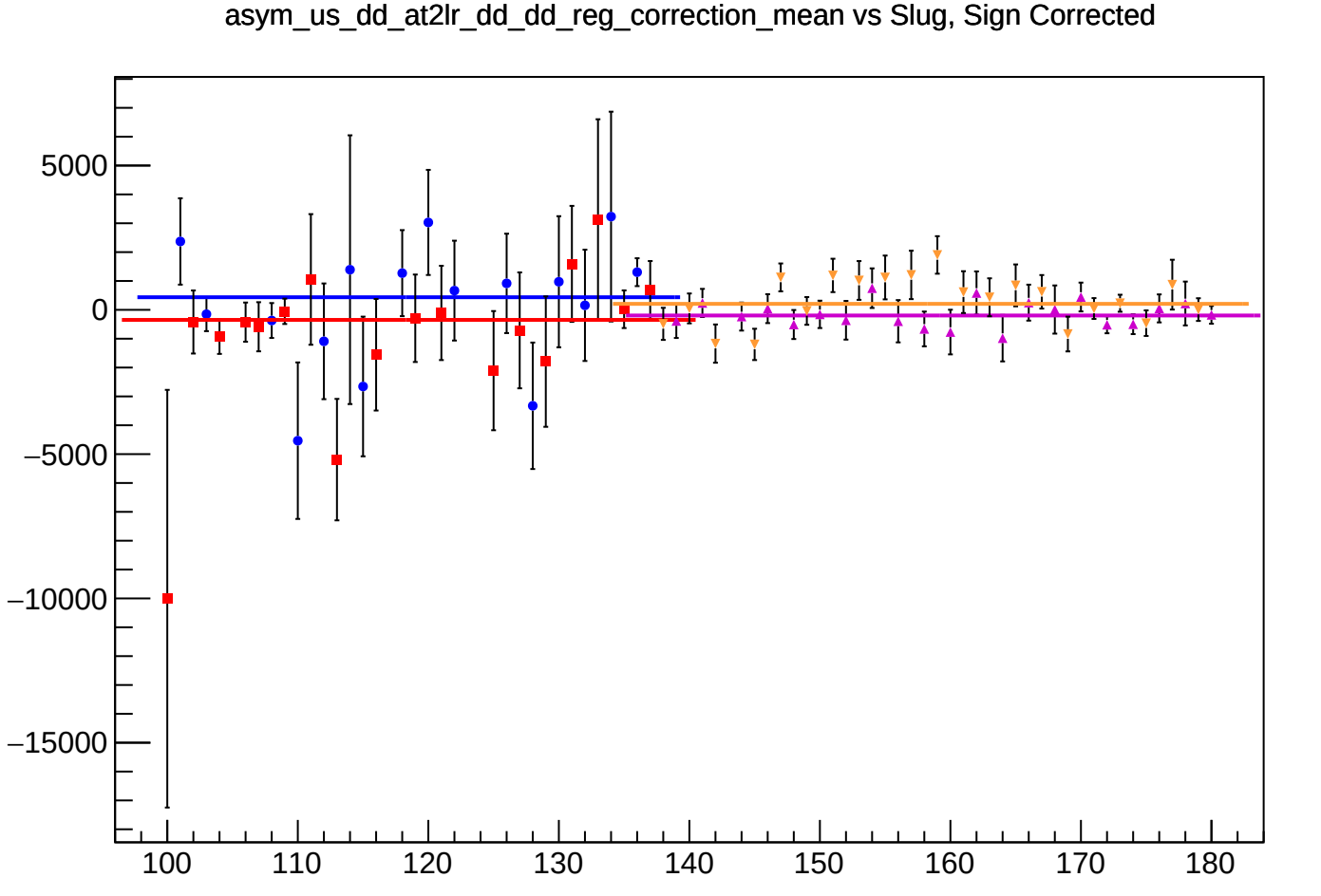
Left: 1548.252+/-0.188 χ^2/NDF: 327122.1/41

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1507.135+/-0.217 χ^2/NDF:796890.8/36

Out: 1496.340+/-0.219 χ^2/NDF:669216.2/38

All: 1501.770+/-0.154 χ^2/NDF: 1467334.5/75



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 206.943+/-114.739 χ^2/NDF:38.7/20

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -195.946+/-110.272 χ^2/NDF:11.5/20

Left: -2.497+/-79.507 χ^2/NDF: 56.6/41

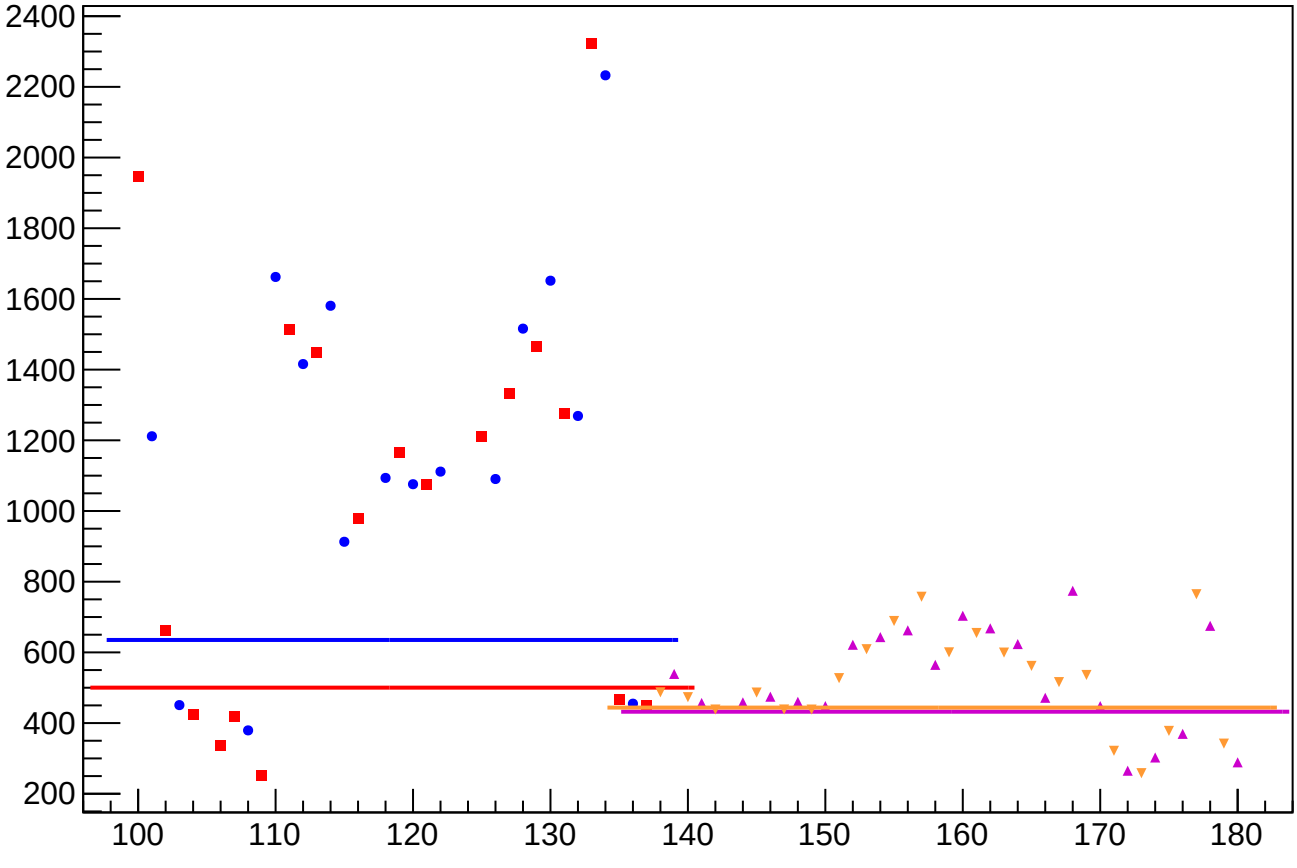
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -108.840+/-102.397 χ^2/NDF:35.4/36

Out: 99.079+/-102.999 χ^2/NDF:57.1/38

All: -5.489+/-72.618 χ^2/NDF: 94.5/75

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: 443.803+/-0.081 χ^2/NDF:2688583.8/20

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 432.136+/-0.078 χ^2/NDF:3243527.6/20

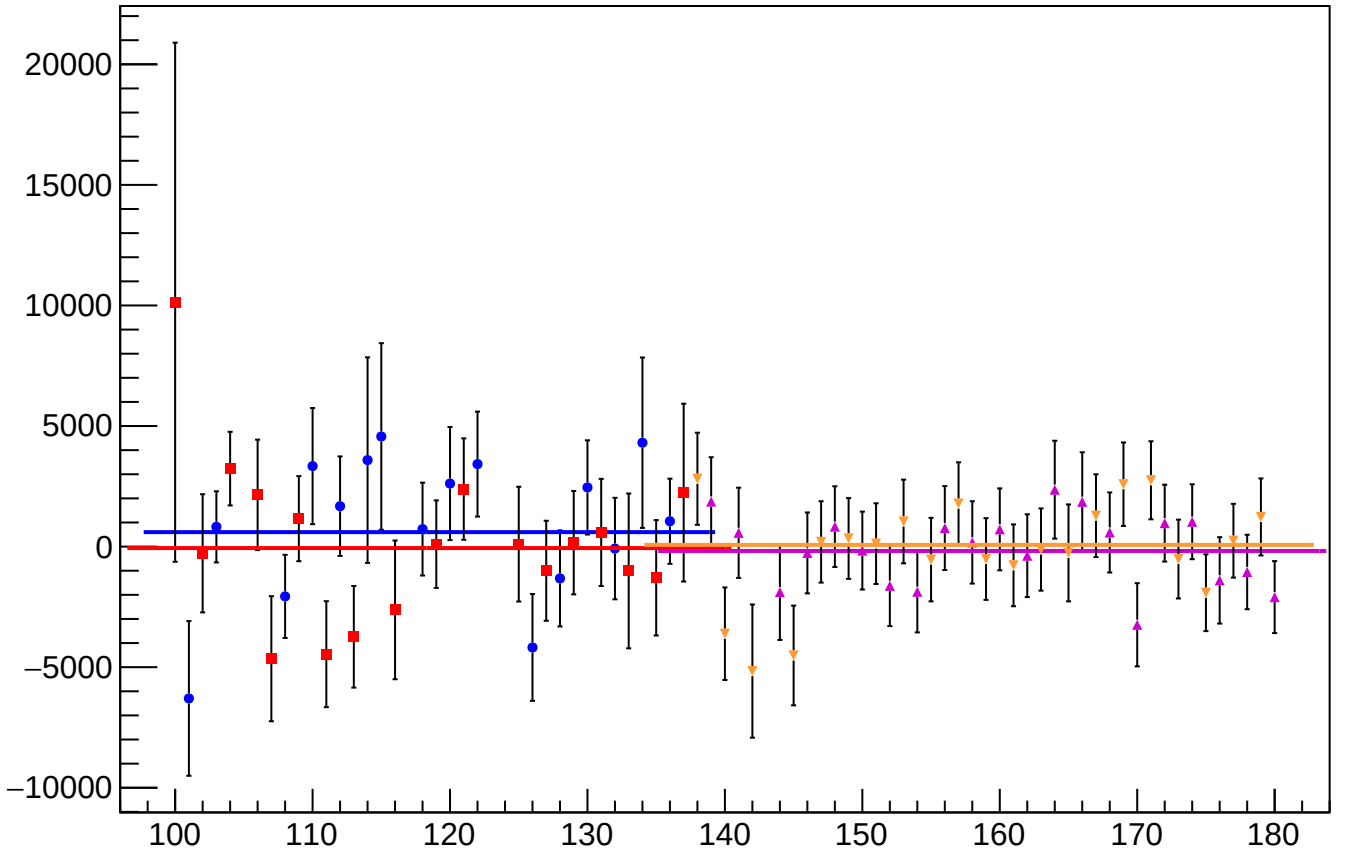
Left: 437.738+/-0.056 χ^2/NDF: 5942861.6/41

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 460.094+/-0.072 χ^2/NDF:7929595.2/36

Out: 454.760+/-0.073 χ^2/NDF:7091602.7/38

All: 457.443+/-0.051 χ^2/NDF: 15023896.1/75



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -181.142+/-373.511 χ^2/NDF:14.4/20

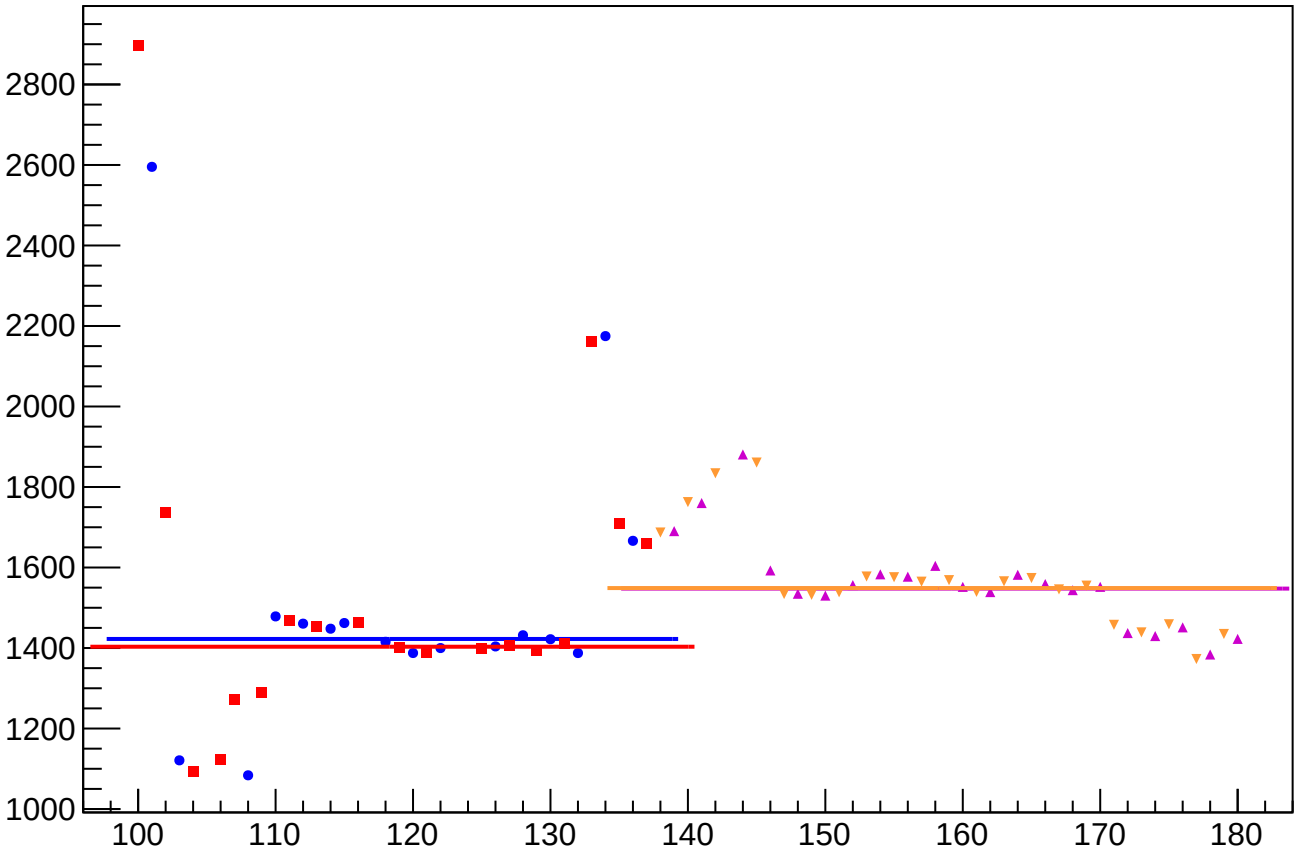
Left: -56.694+/-266.493 χ^2/NDF: 38.3/41

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 71.614+/-307.197 χ^2/NDF:36.1/36

Out: 27.551+/-309.563 χ^2/NDF:44.1/38

All: 49.752+/-218.053 χ^2/NDF: 80.2/75



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

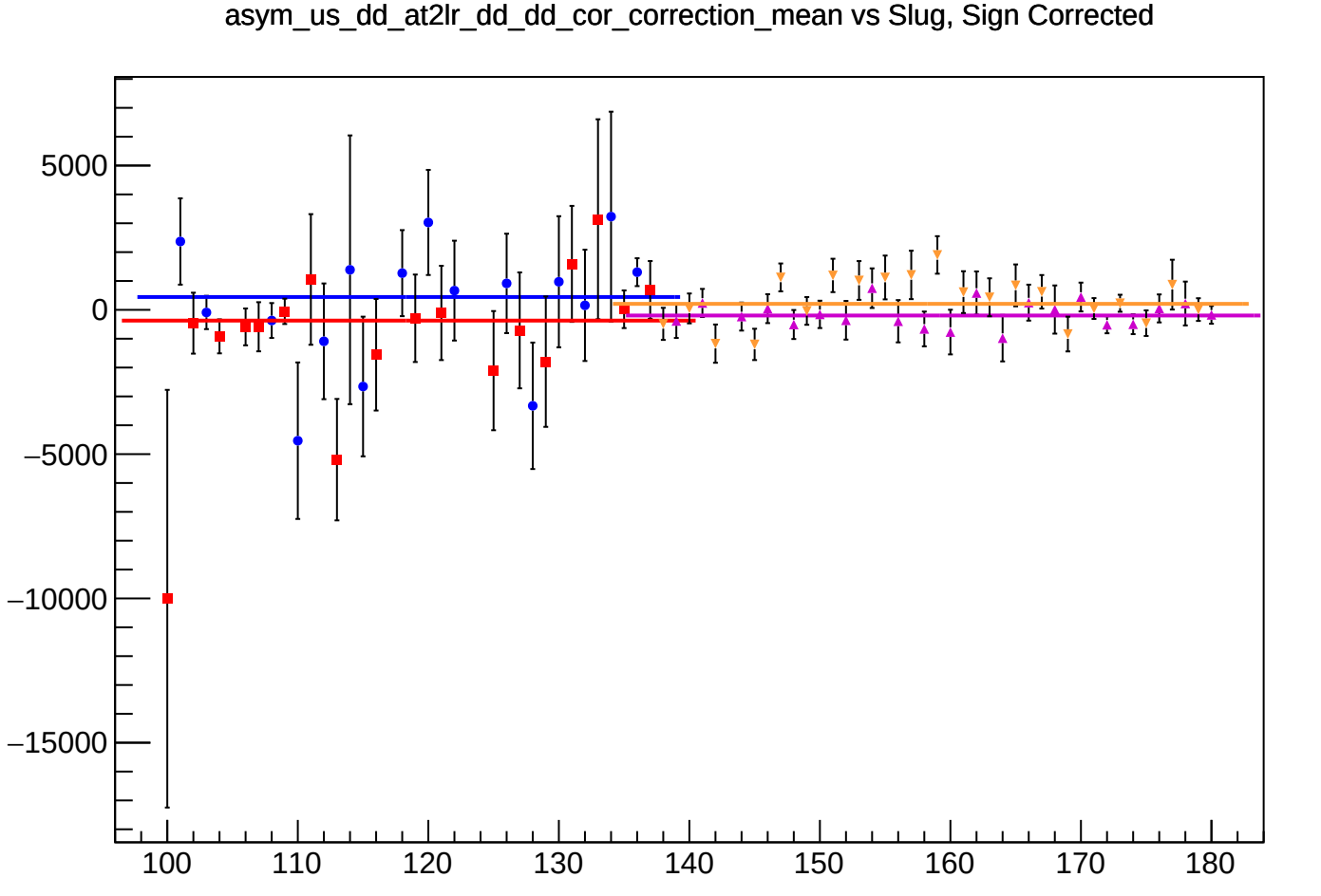
Left: 1548.252+/-0.188 χ^2/NDF: 327122.1/41

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1507.135+/-0.217 χ^2/NDF:796891.2/36

Out: 1499.736+/-0.219 χ^2/NDF:621245.2/38

All: 1503.464+/-0.154 χ^2/NDF: 1418712.0/75



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -196.129+/-110.272 χ^2/NDF:11.5/20

Left: -2.558+/-79.507 χ^2/NDF: 56.6/41

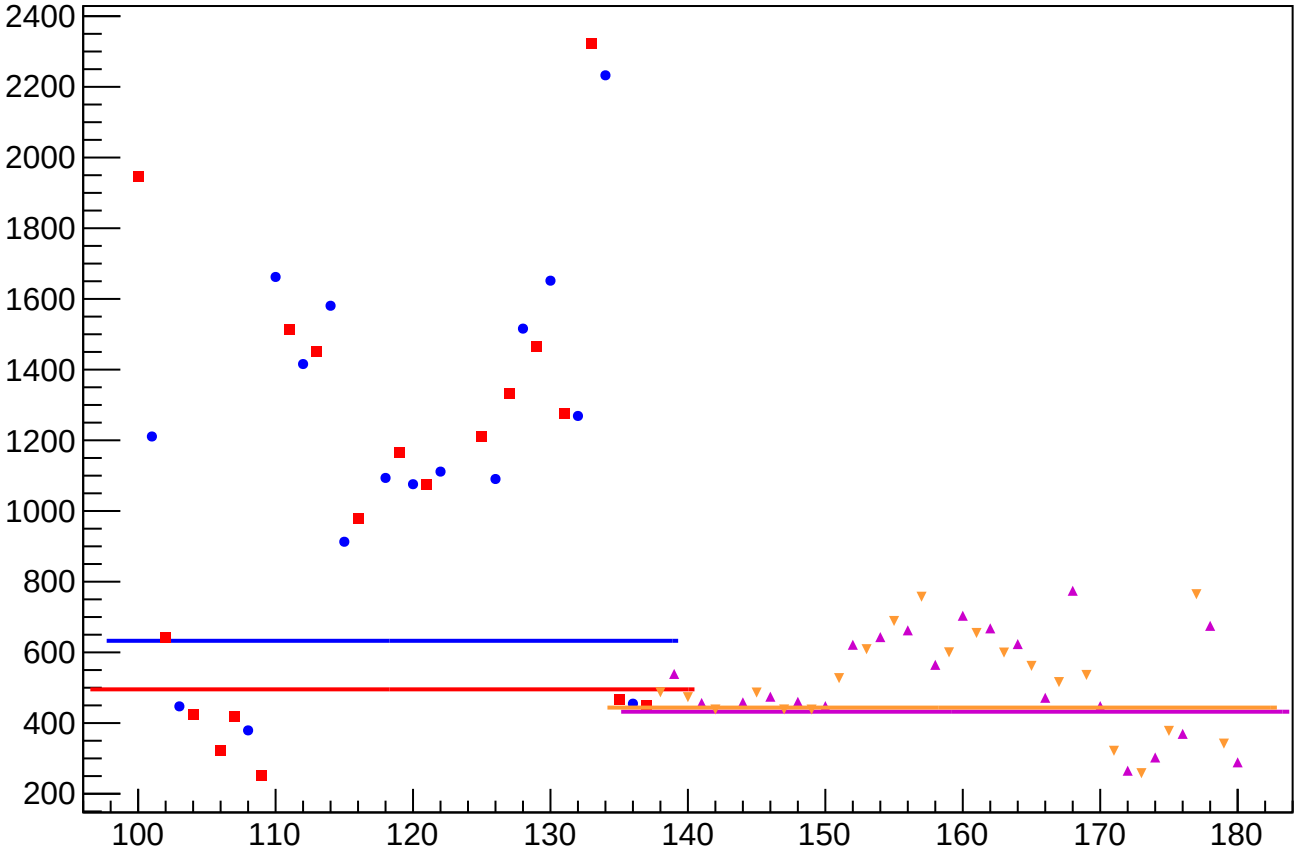
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -107.157+/-102.337 χ^2/NDF:35.4/36

Out: 92.606+/-102.792 χ^2/NDF:57.7/38

All: -7.719+/-72.523 χ^2/NDF: 95.0/75

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: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

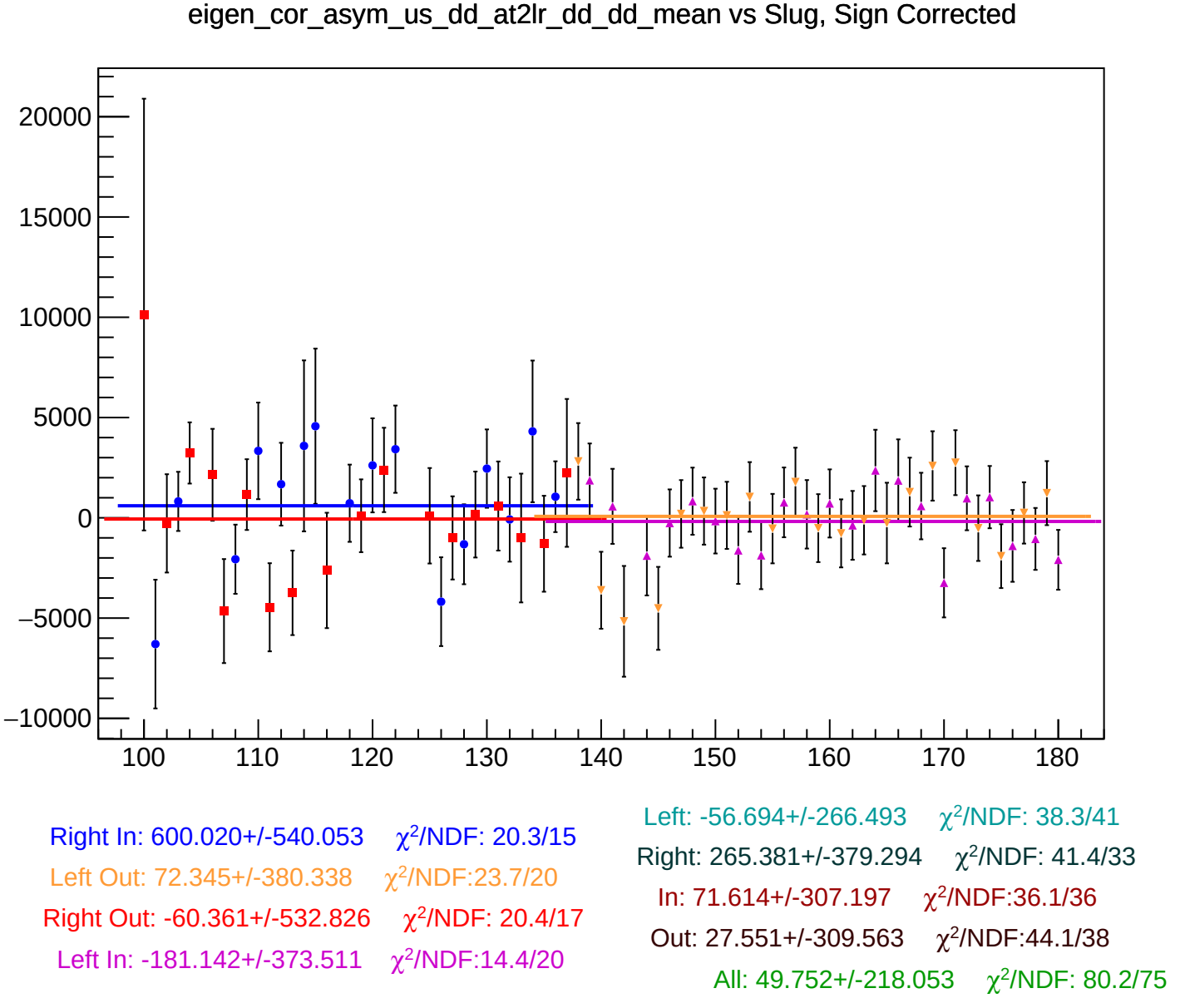
Left: 437.737+/-0.056 χ^2/NDF: 5942998.0/41

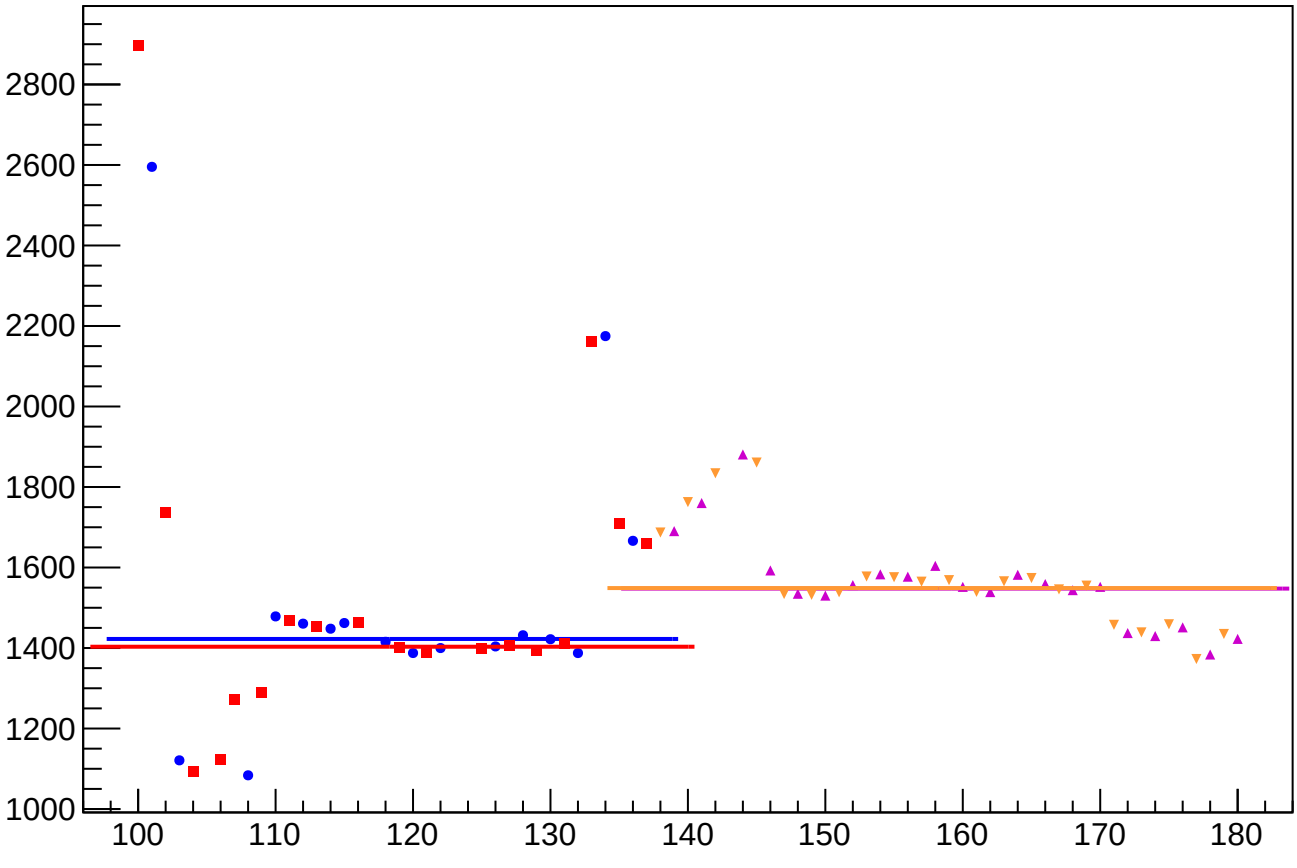
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.972+/-0.072 χ^2/NDF:7929588.2/36

Out: 453.983+/-0.073 χ^2/NDF:7106119.5/38

All: 456.991+/-0.051 χ^2/NDF: 15039116.4/75


eigen_cor_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
180
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 72.345+/-380.338 χ²/NDF:23.7/20
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -181.142+/-373.511 χ²/NDF:14.4/20
Left: -56.694+/-266.493 χ²/NDF: 38.3/41
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 71.614+/-307.197 χ²/NDF:36.1/36
Out: 27.551+/-309.563 χ²/NDF:44.1/38
All: 49.752+/-218.053 χ²/NDF: 80.2/75



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1547.613+/-0.264 χ^2/NDF:164040.5/20

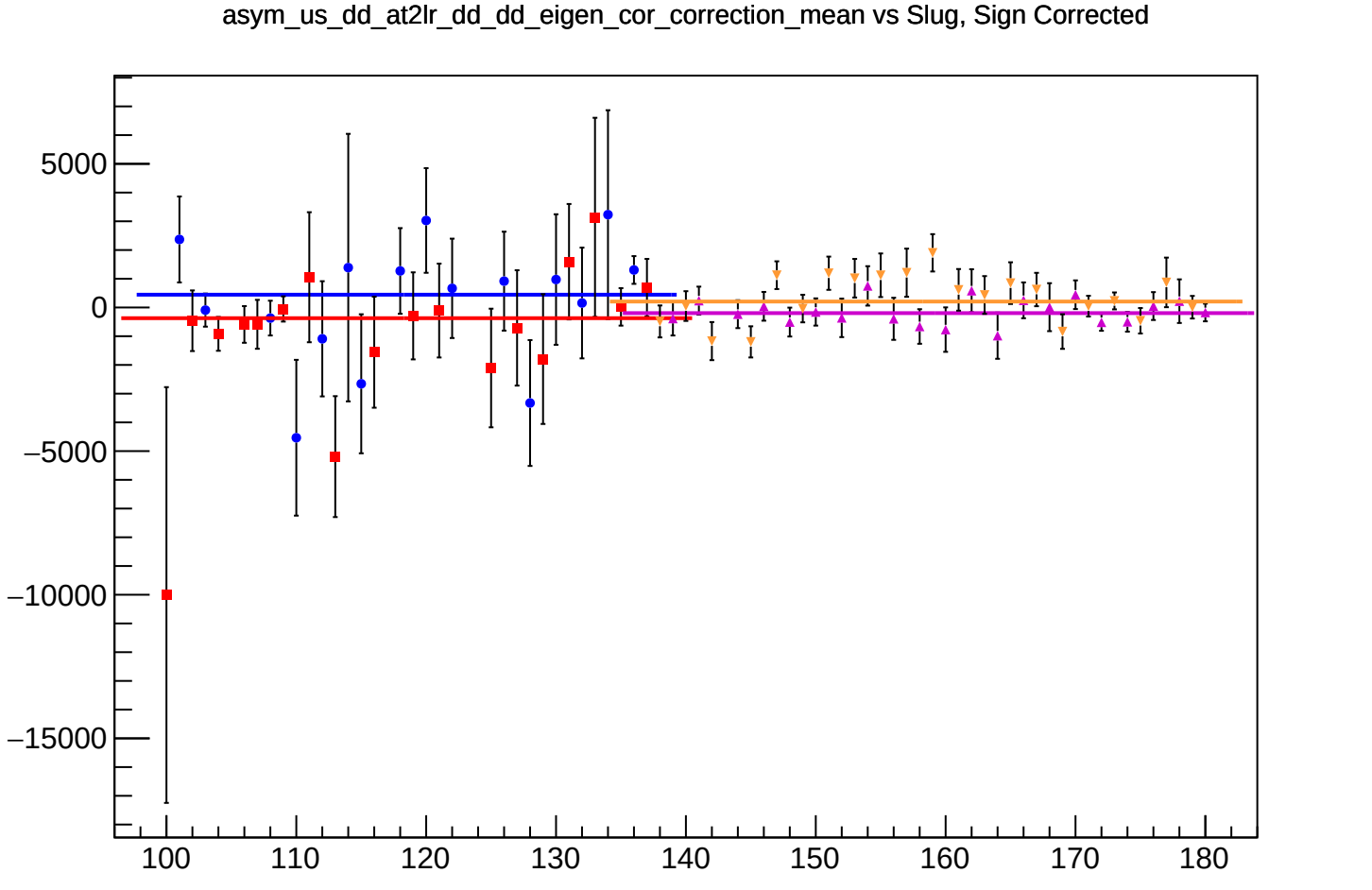
Left: 1548.252+/-0.188 χ^2/NDF: 327122.1/41

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1507.135+/-0.217 χ^2/NDF:796891.2/36

Out: 1499.736+/-0.219 χ^2/NDF:621245.2/38

All: 1503.464+/-0.154 χ^2/NDF: 1418712.0/75



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -196.129+/-110.272 χ^2/NDF:11.5/20

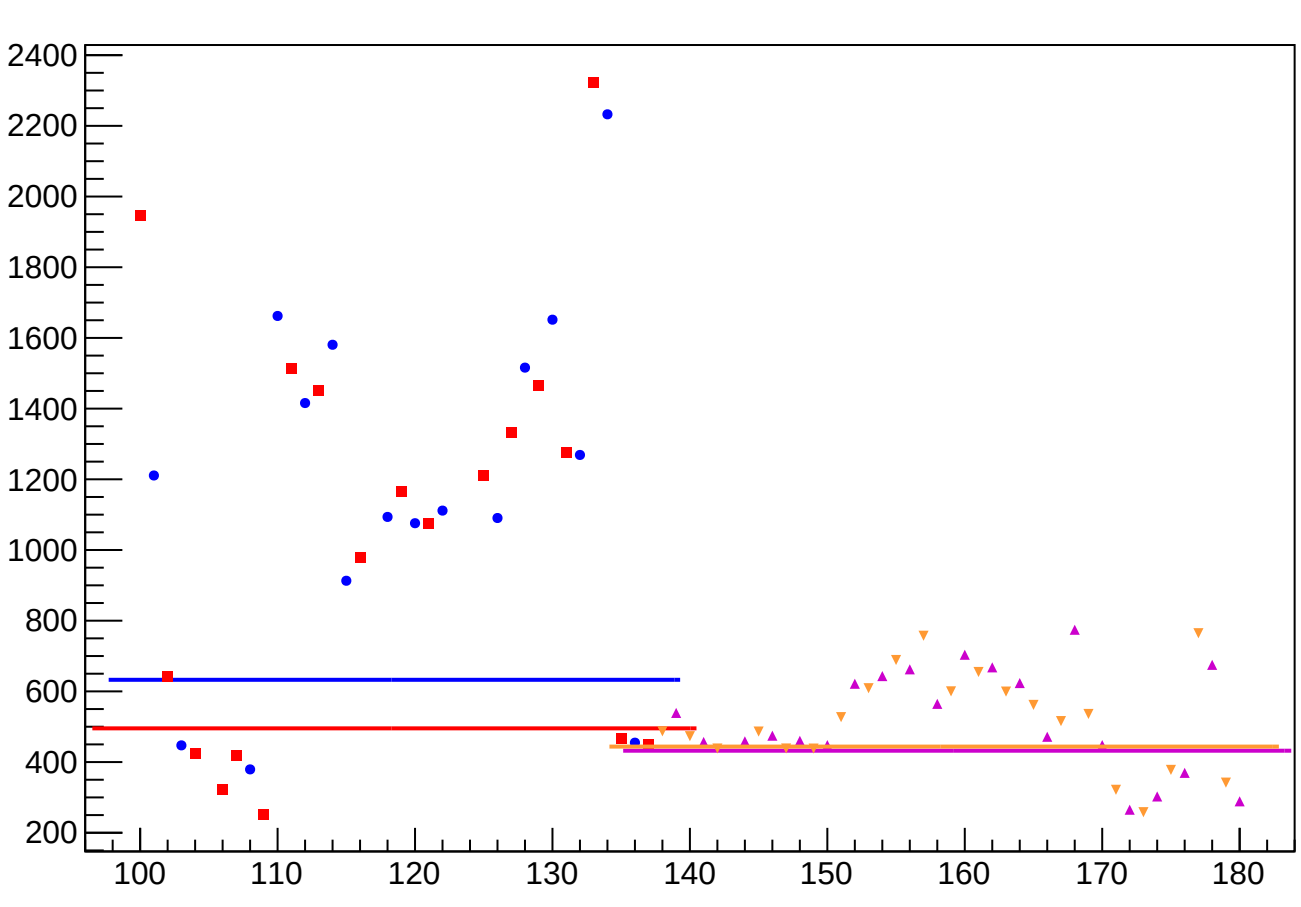
Left: -2.558+/-79.507 χ^2/NDF: 56.6/41

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -107.157+/-102.337 χ^2/NDF:35.4/36

Out: 92.606+/-102.792 χ^2/NDF:57.7/38

All: -7.719+/-72.523 χ^2/NDF: 95.0/75



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 432.136+/-0.078 χ^2/NDF:3243401.2/20

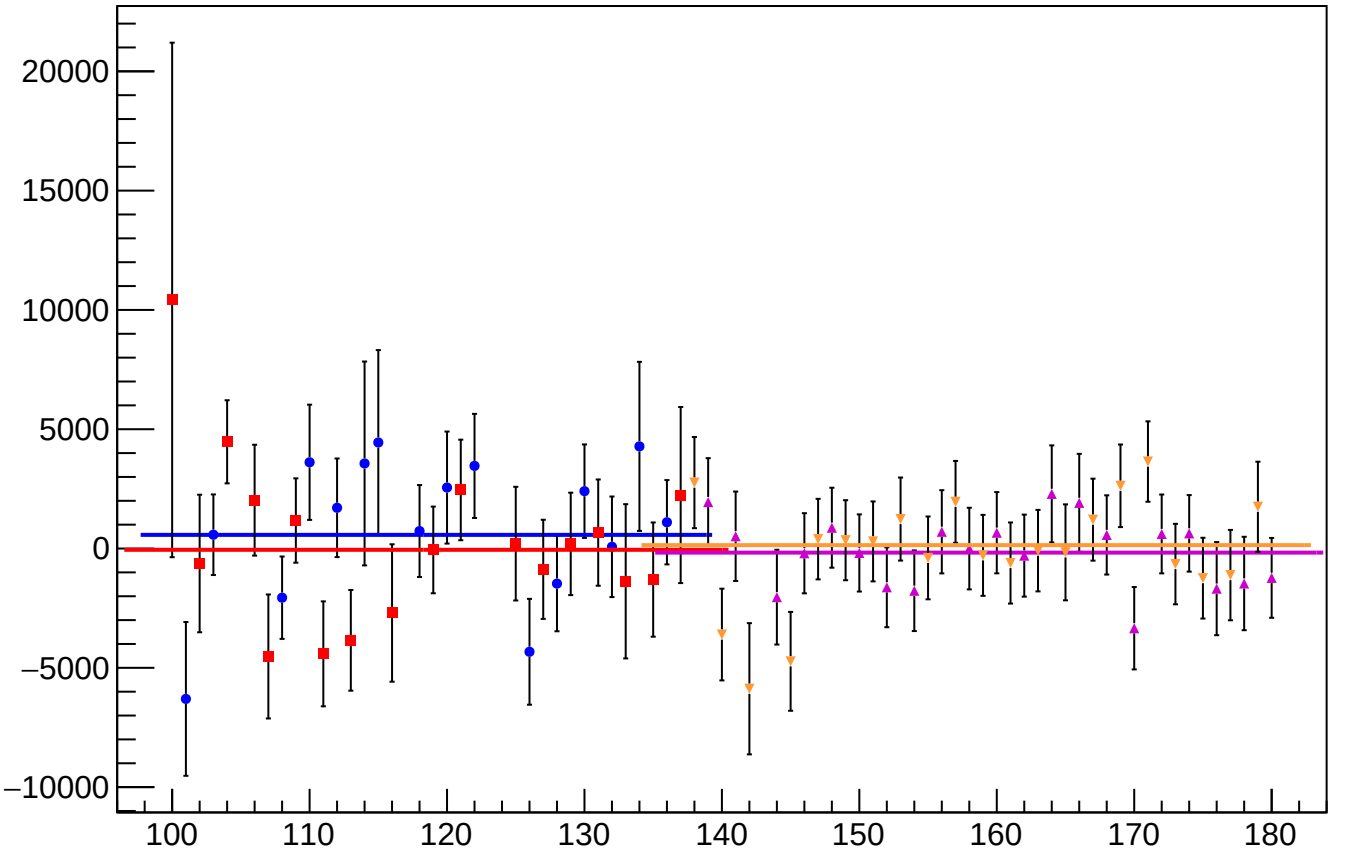
Left: 437.737+/-0.056 χ^2/NDF: 5942998.0/41

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 459.972+/-0.072 χ^2/NDF:7929588.2/36

Out: 453.983+/-0.073 χ^2/NDF:7106119.5/38

All: 456.991+/-0.051 χ^2/NDF: 15039116.4/75



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.447+/-390.896 χ^2/NDF:26.8/20

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -171.138+/-383.457 χ^2/NDF:12.9/20

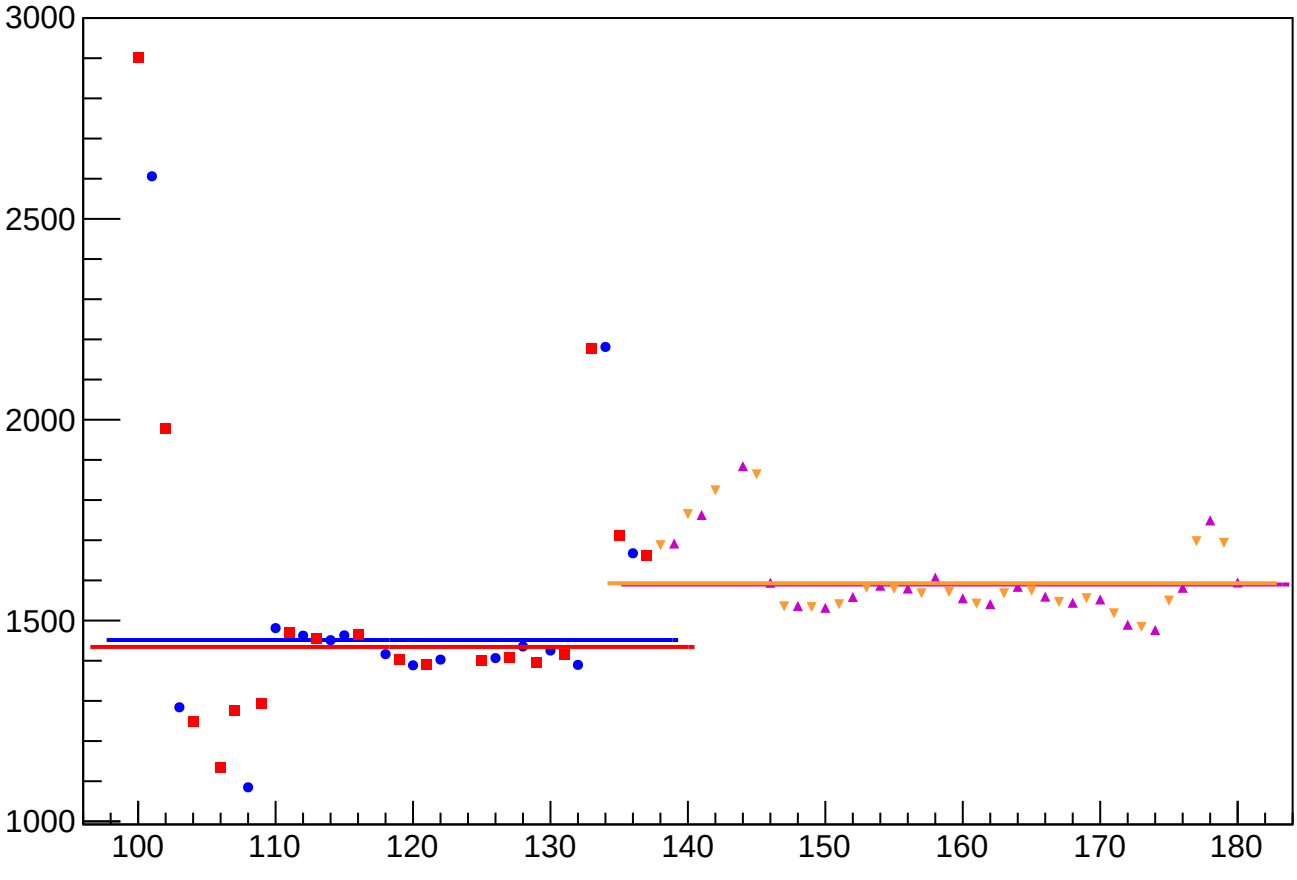
Left: -17.848+/-273.737 χ^2/NDF: 40.0/41

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 72.245+/-314.487 χ^2/NDF:34.9/36

Out: 75.196+/-317.711 χ^2/NDF:49.4/38

All: 73.705+/-223.507 χ^2/NDF: 84.3/75



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1592.939+/-0.276 χ^2/NDF:107228.4/20

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108782.7/20

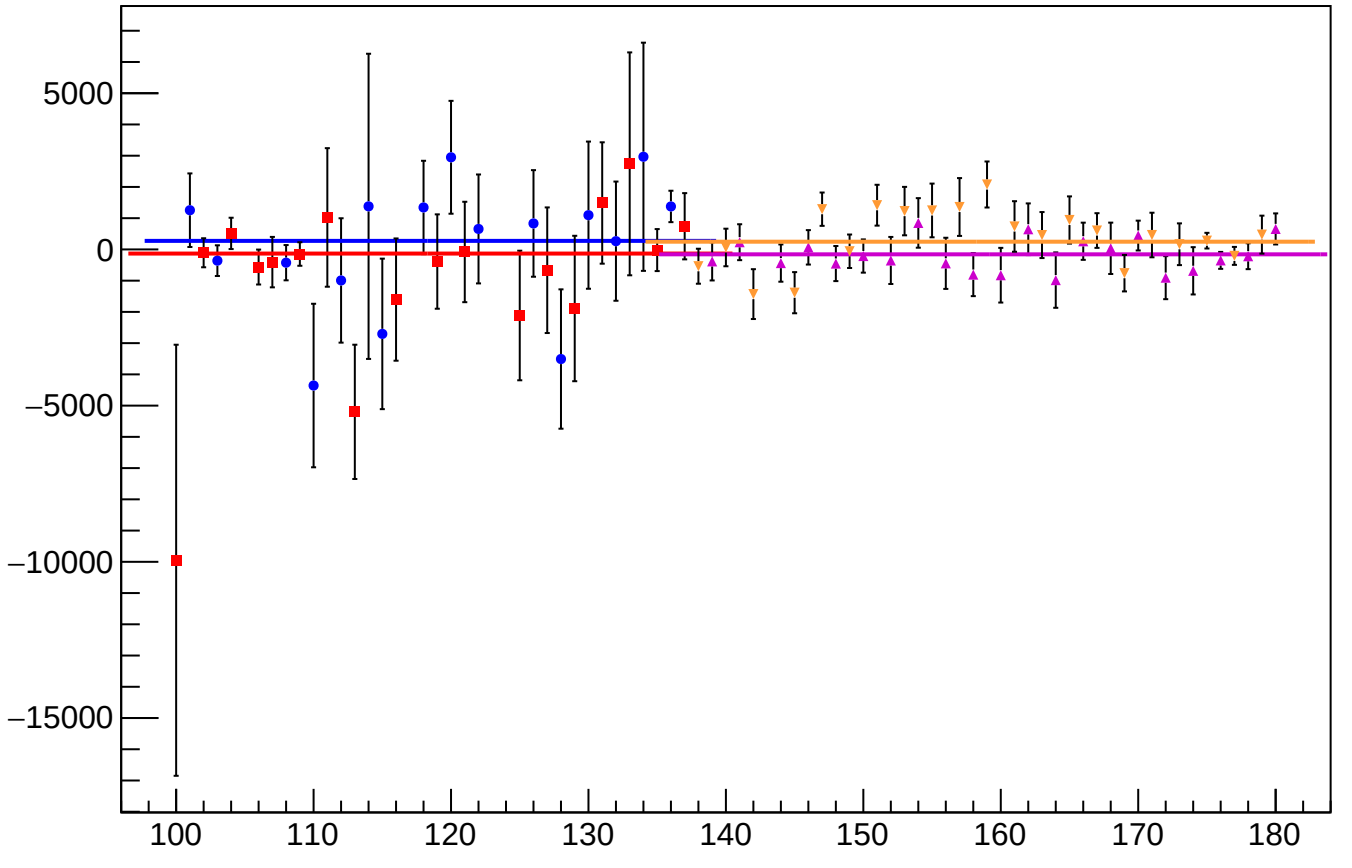
Left: 1591.337+/-0.194 χ^2/NDF: 216077.0/41

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1544.546+/-0.222 χ^2/NDF:681686.8/36

Out: 1539.104+/-0.225 χ^2/NDF:547587.0/38

All: 1541.853+/-0.158 χ^2/NDF: 1229570.2/75



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 247.262+/-118.351 χ^2/NDF:38.0/20

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -157.008+/-123.520 χ^2/NDF:13.3/20

Left: 53.761+/-85.456 χ^2/NDF: 56.9/41

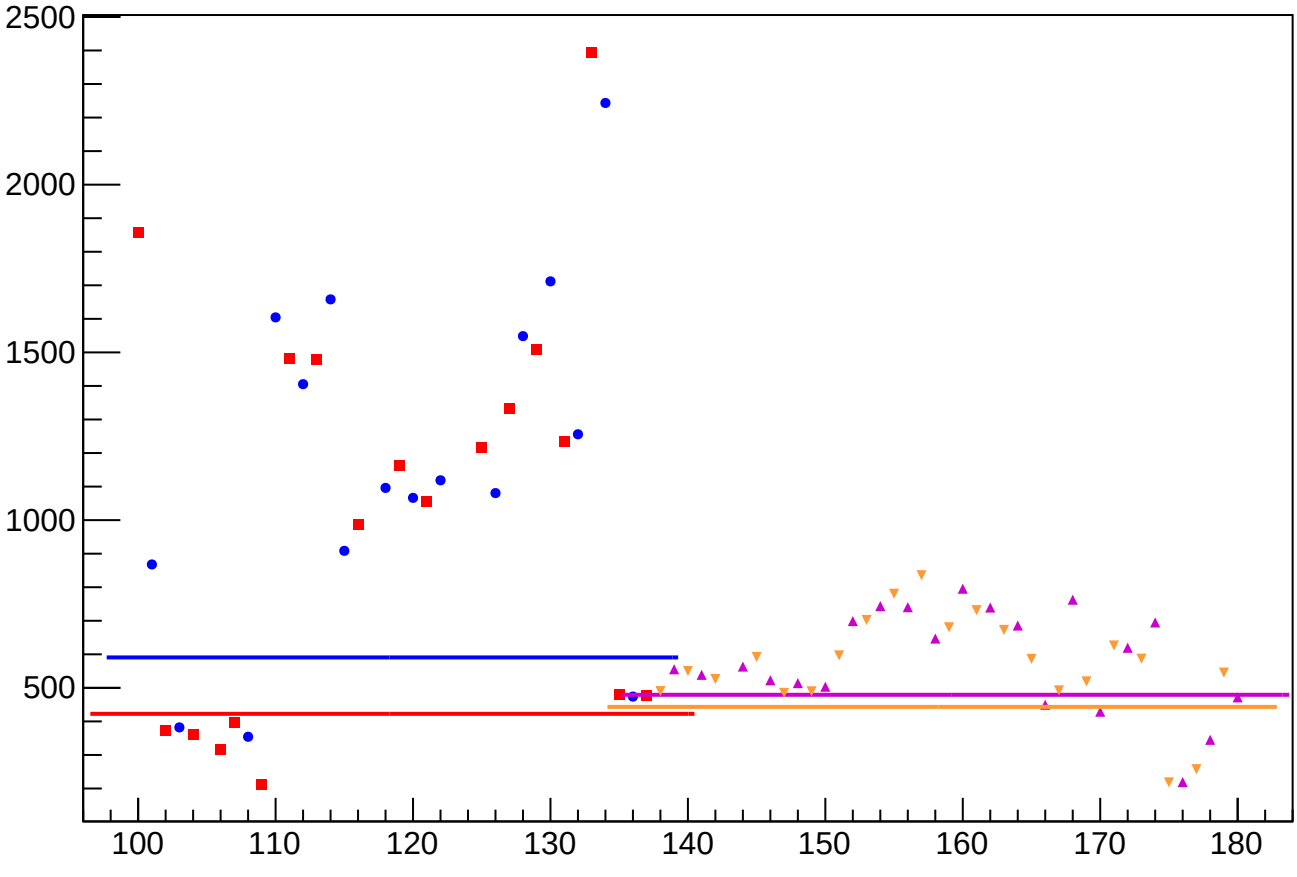
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -78.013+/-111.612 χ^2/NDF:35.8/36

Out: 145.722+/-101.305 χ^2/NDF:55.2/38

All: 44.660+/-75.013 χ^2/NDF: 93.1/75

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 443.312+/-0.084 χ^2/NDF:4729575.3/20

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 479.353+/-0.087 χ^2/NDF:3961155.5/20

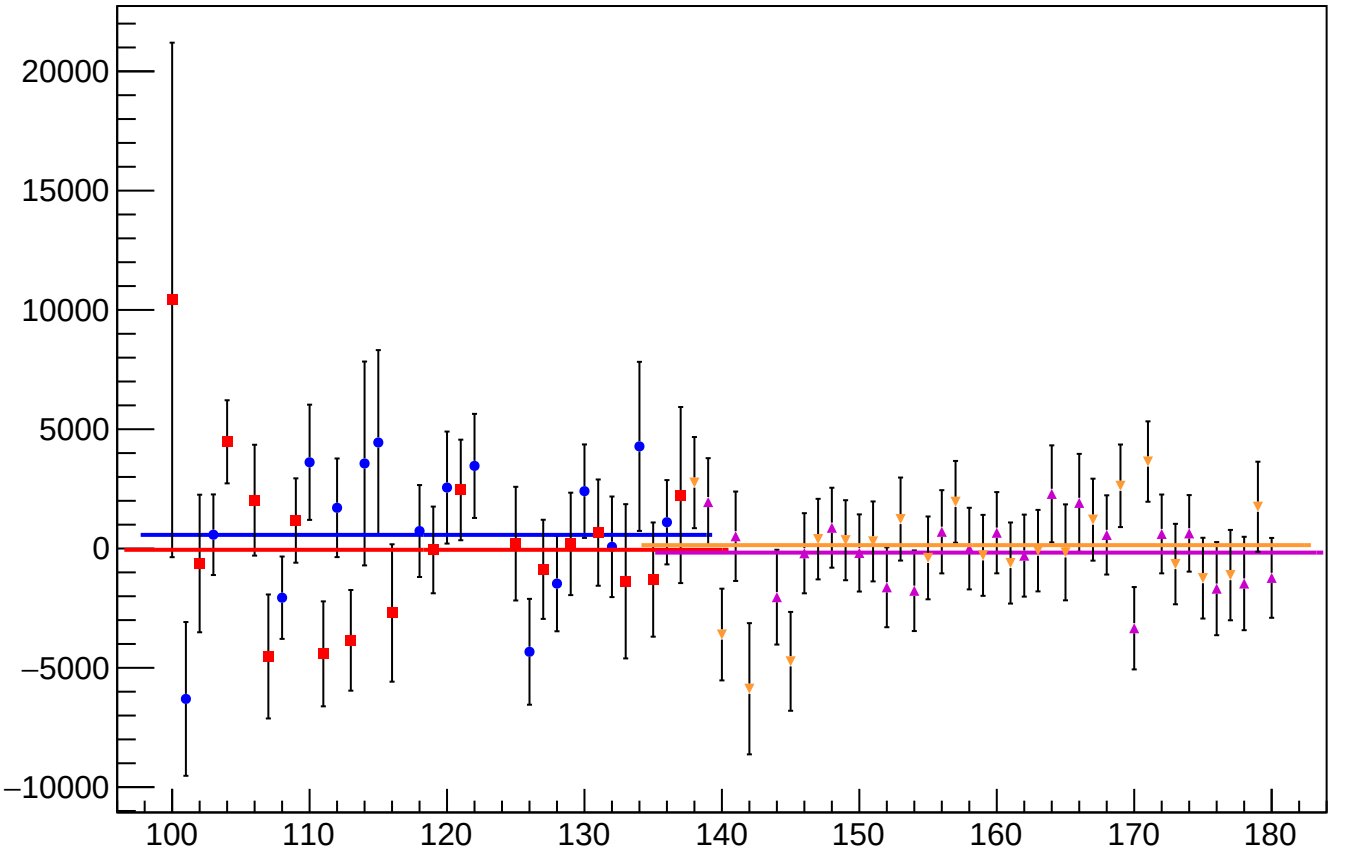
Left: 460.562+/-0.060 χ^2/NDF: 8779506.6/41

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 499.796+/-0.079 χ^2/NDF:8145180.9/36

Out: 437.782+/-0.072 χ^2/NDF:9603918.5/38

All: 465.794+/-0.053 χ^2/NDF: 18087632.2/75



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.443+/-390.896 χ^2/NDF:26.8/20

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -171.136+/-383.457 χ^2/NDF:12.9/20

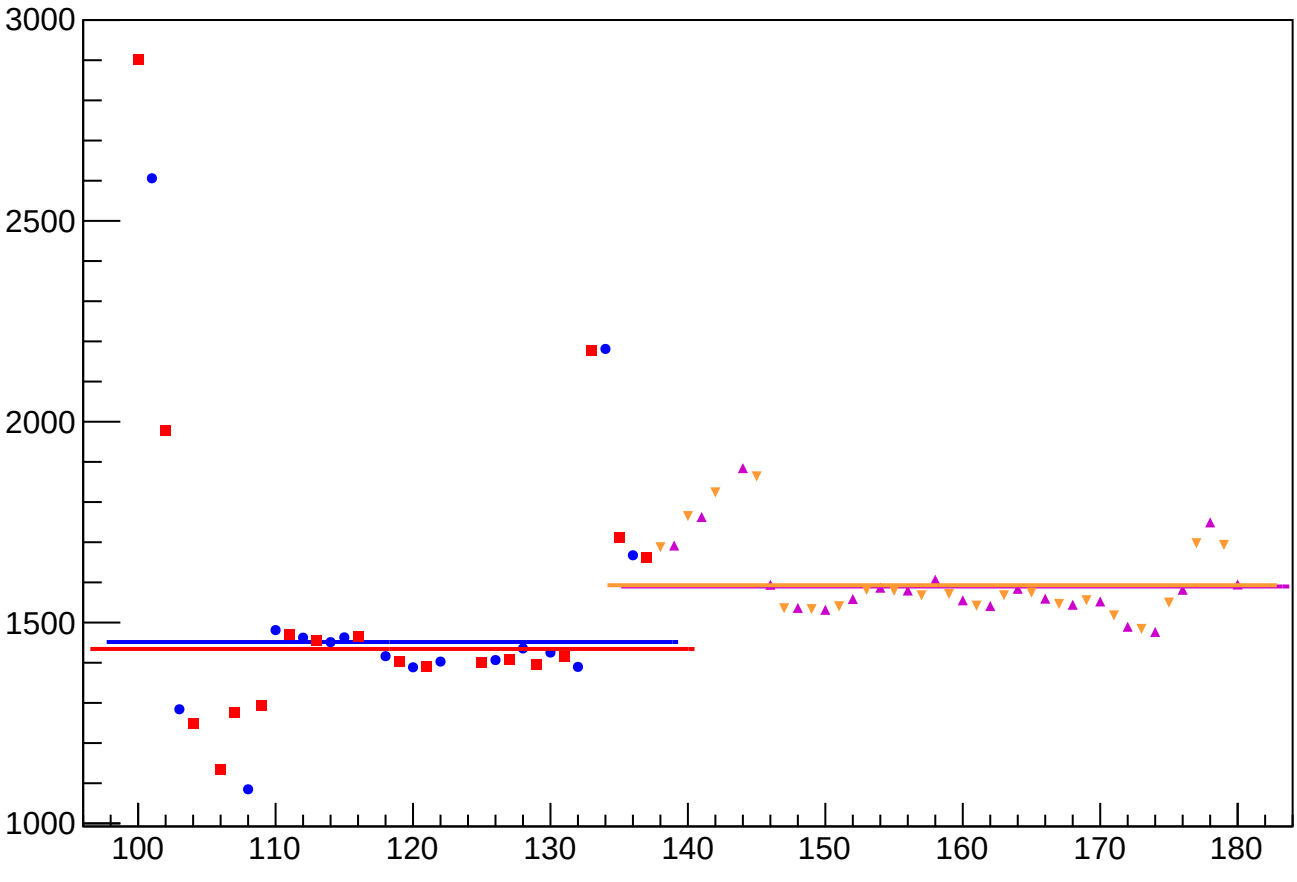
Left: -17.849+/-273.737 χ^2/NDF: 40.0/41

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 72.246+/-314.487 χ^2/NDF:34.9/36

Out: 75.194+/-317.711 χ^2/NDF:49.4/38

All: 73.705+/-223.507 χ^2/NDF: 84.3/75



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1592.938+/-0.276 χ^2/NDF:107229.0/20

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.795+/-0.271 χ^2/NDF:108783.1/20

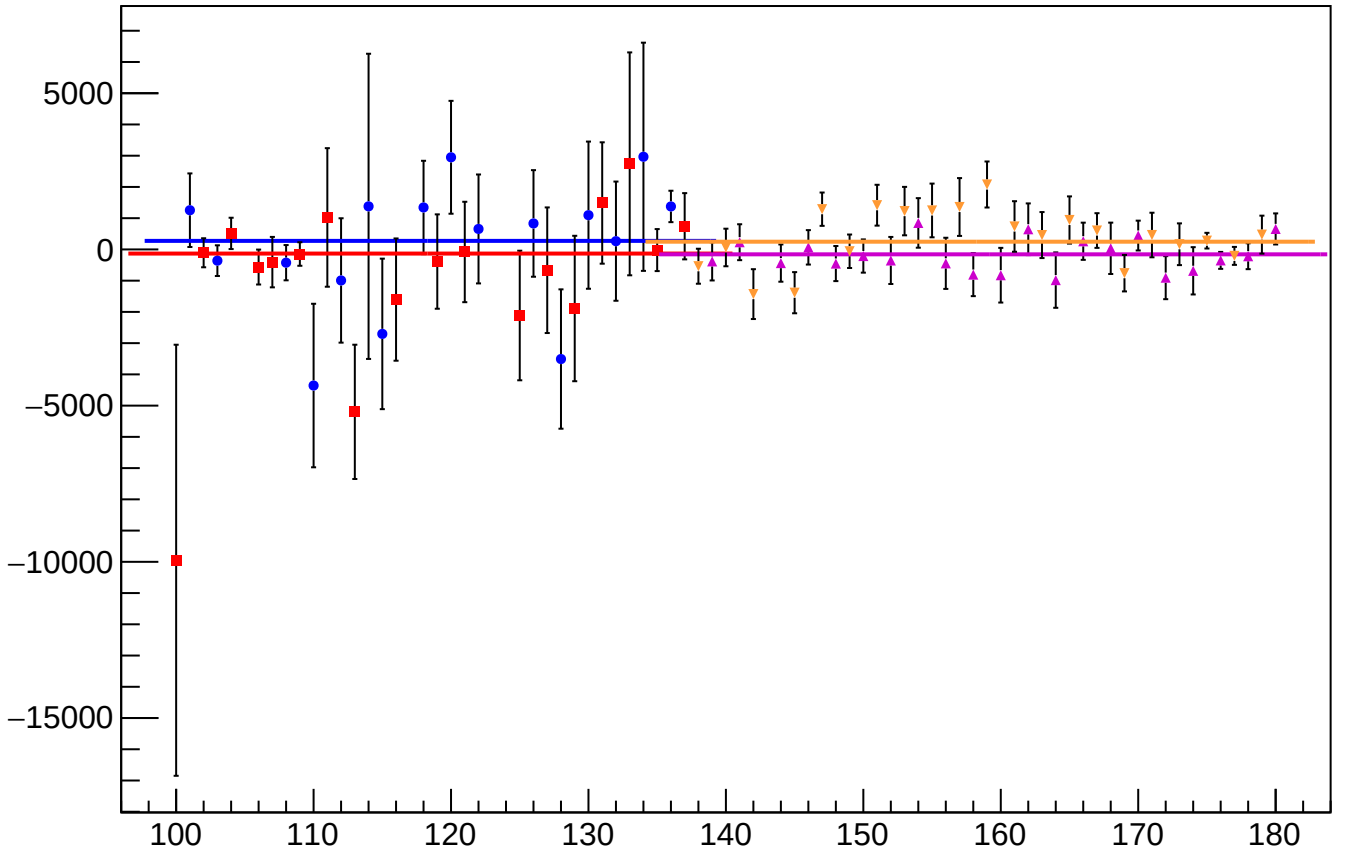
Left: 1591.336+/-0.194 χ^2/NDF: 216078.0/41

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1544.546+/-0.222 χ^2/NDF:681686.2/36

Out: 1539.104+/-0.225 χ^2/NDF:547587.3/38

All: 1541.852+/-0.158 χ^2/NDF: 1229569.9/75



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 247.268+/-118.352 χ^2/NDF:38.0/20

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -157.007+/-123.520 χ^2/NDF:13.3/20

Left: 53.764+/-85.456 χ^2/NDF: 56.9/41

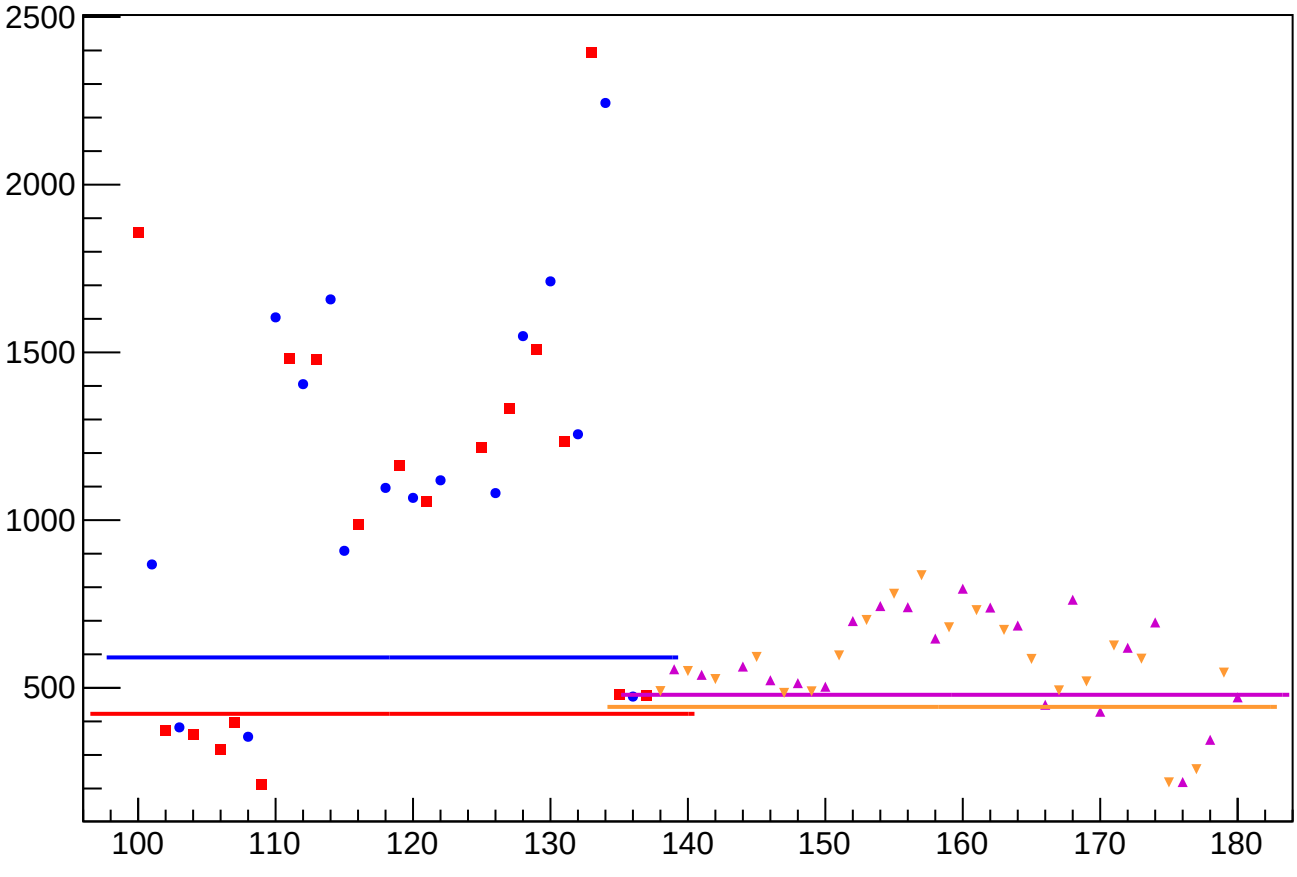
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -78.013+/-111.612 χ^2/NDF:35.8/36

Out: 145.728+/-101.305 χ^2/NDF:55.2/38

All: 44.663+/-75.013 χ^2/NDF: 93.1/75

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 443.315+/-0.084 χ^2/NDF:4729431.9/20

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.355+/-0.087 χ^2/NDF:3961068.3/20

Left: 460.565+/-0.060 χ^2/NDF: 8779264.8/41

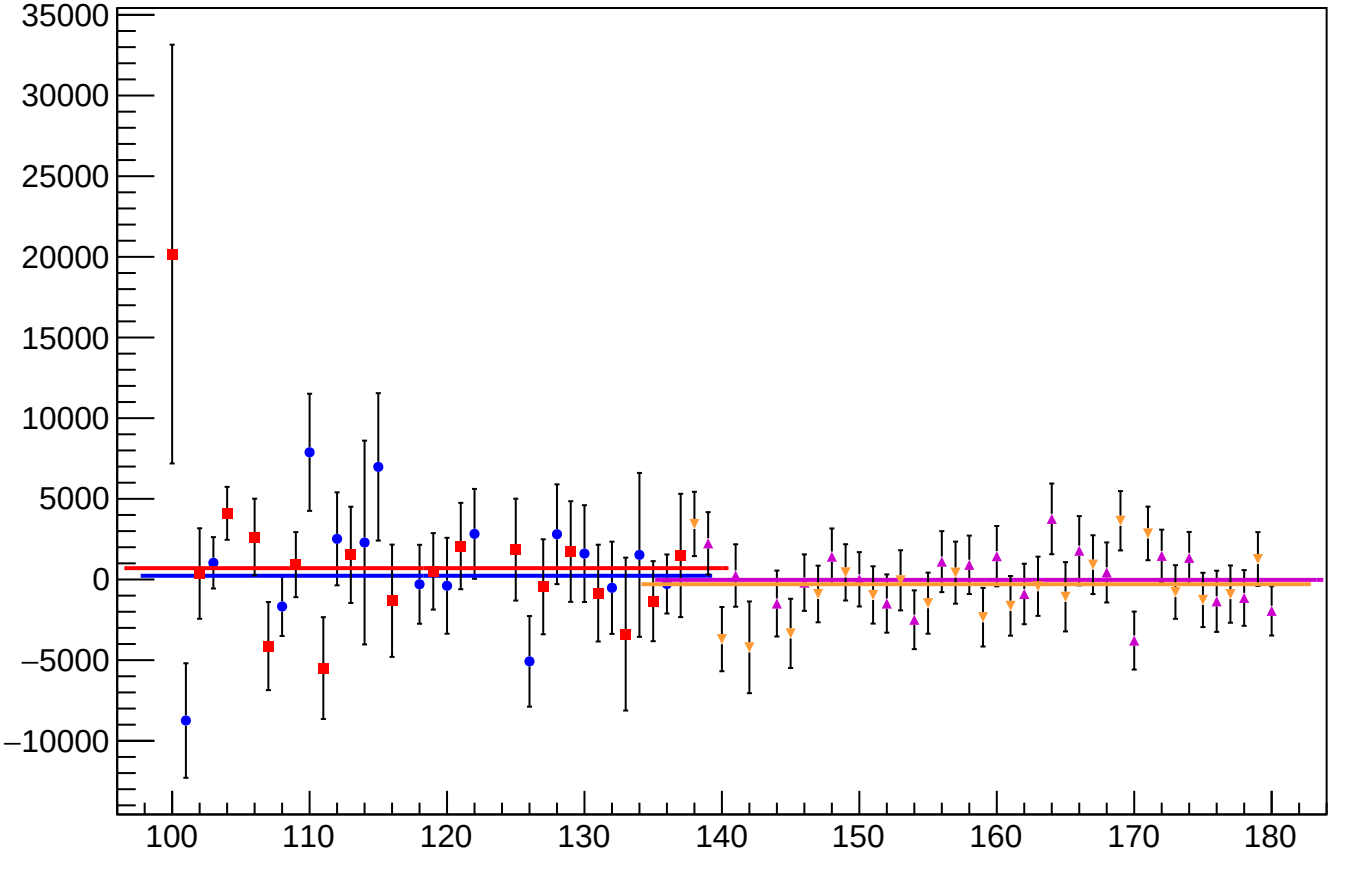
Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 499.797+/-0.079 χ^2/NDF:8145103.4/36

Out: 437.787+/-0.072 χ^2/NDF:9603690.4/38

All: 465.797+/-0.053 χ^2/NDF: 18087290.1/75

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -292.641+/-404.520 χ^2/NDF:23.3/20

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: -22.465+/-396.121 χ^2/NDF:18.7/20

Left: -154.719+/-283.023 χ^2/NDF: 42.2/41

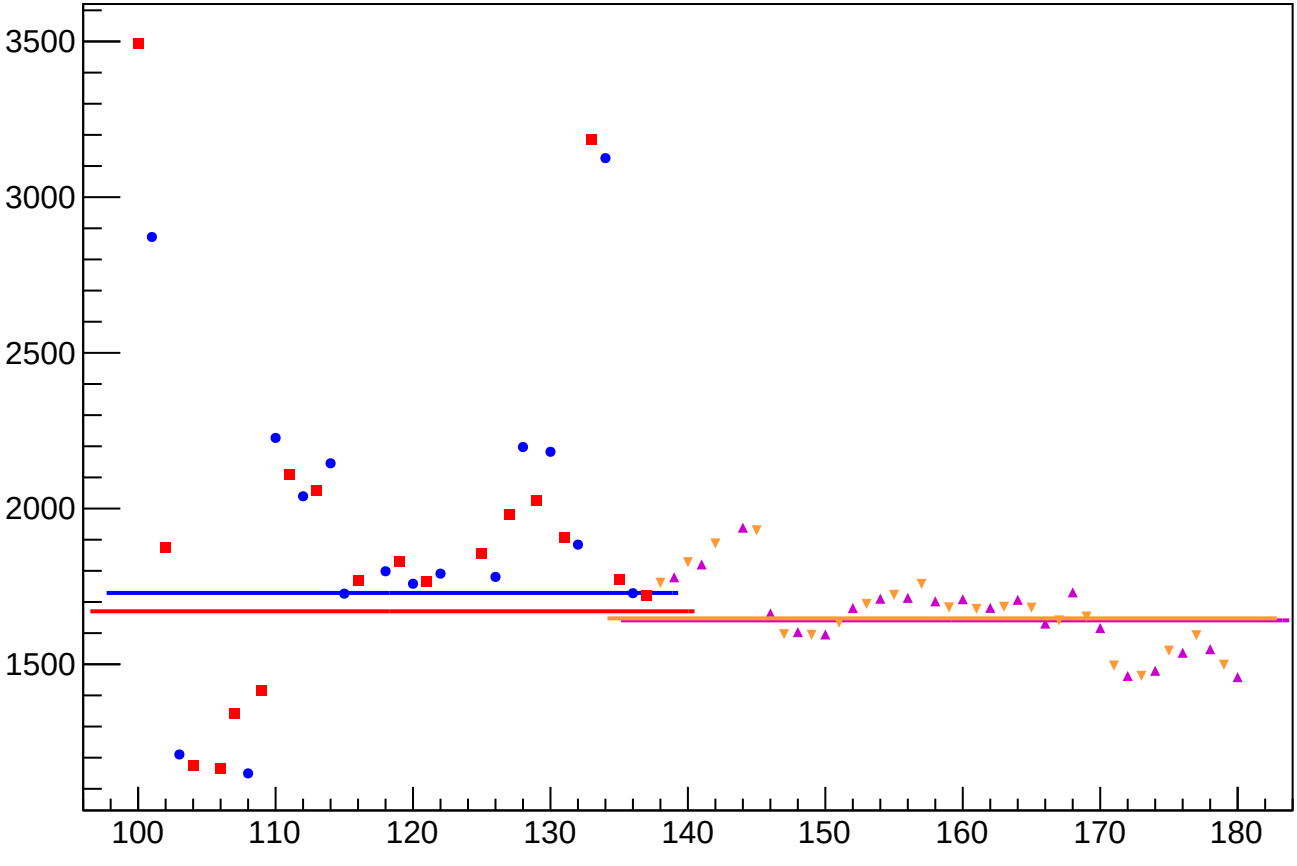
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 43.671+/-340.485 χ^2/NDF:39.6/36

Out: -13.845+/-343.194 χ^2/NDF:42.0/38

All: 15.141+/-241.711 χ^2/NDF: 81.6/75

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: 1647.413+/-0.286 χ^2/NDF:156096.1/20

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1640.930+/-0.280 χ^2/NDF:176815.2/20

Left: 1644.103+/-0.200 χ^2/NDF: 333173.6/41

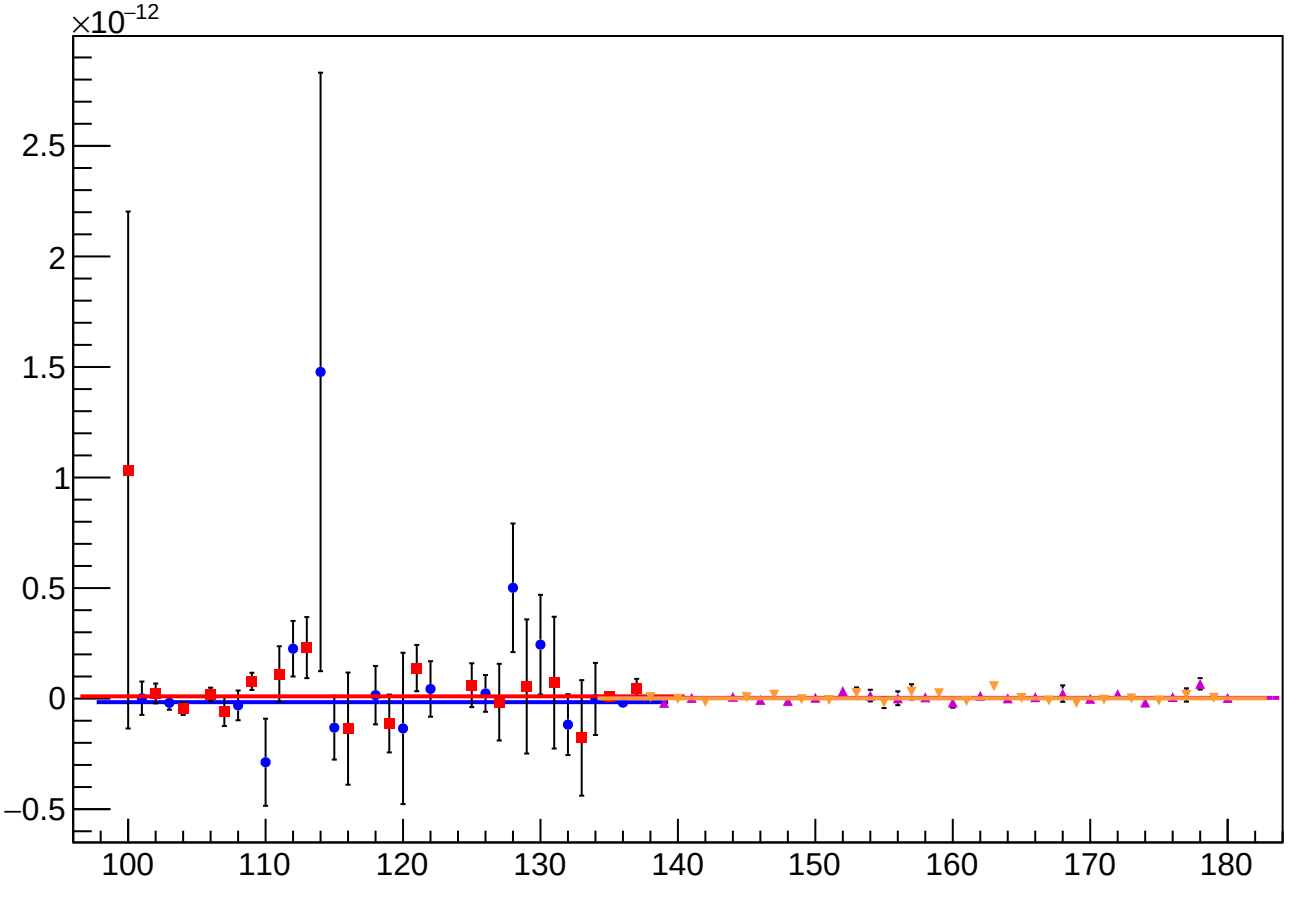
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1663.944+/-0.241 χ^2/NDF:1144744.2/36

Out: 1653.758+/-0.243 χ^2/NDF:902304.2/38

All: 1658.892+/-0.171 χ^2/NDF: 2047936.4/75

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:18.1/20

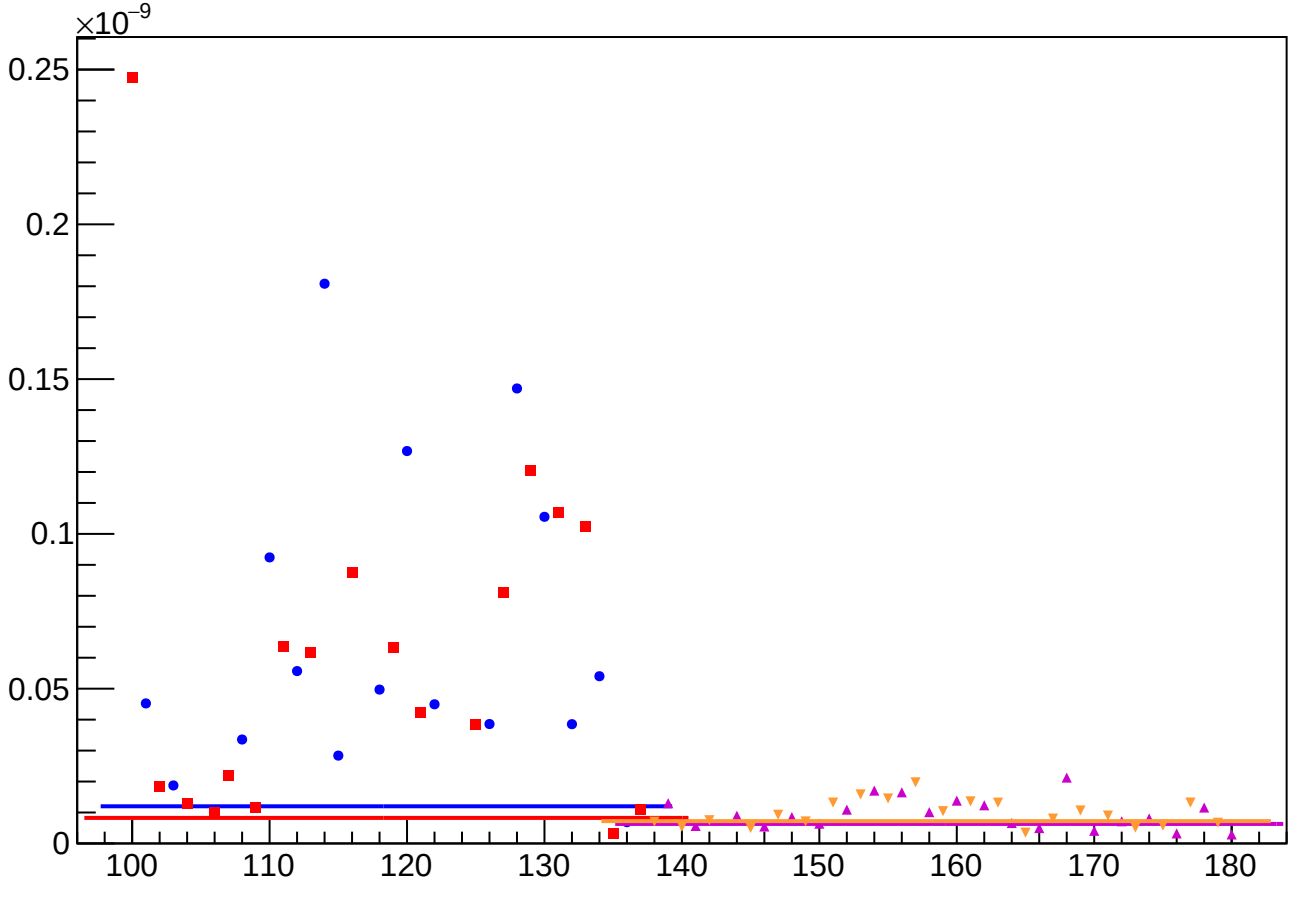
Left: 0.000+/-0.000 χ^2/NDF: 35.1/41

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:34.7/36

Out: 0.000+/-0.000 χ^2/NDF:34.1/38

All: 0.000+/-0.000 χ^2/NDF: 68.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2045721.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2884777.6/20

Left: 0.000+/-0.000 χ^2/NDF: 5024473.0/41

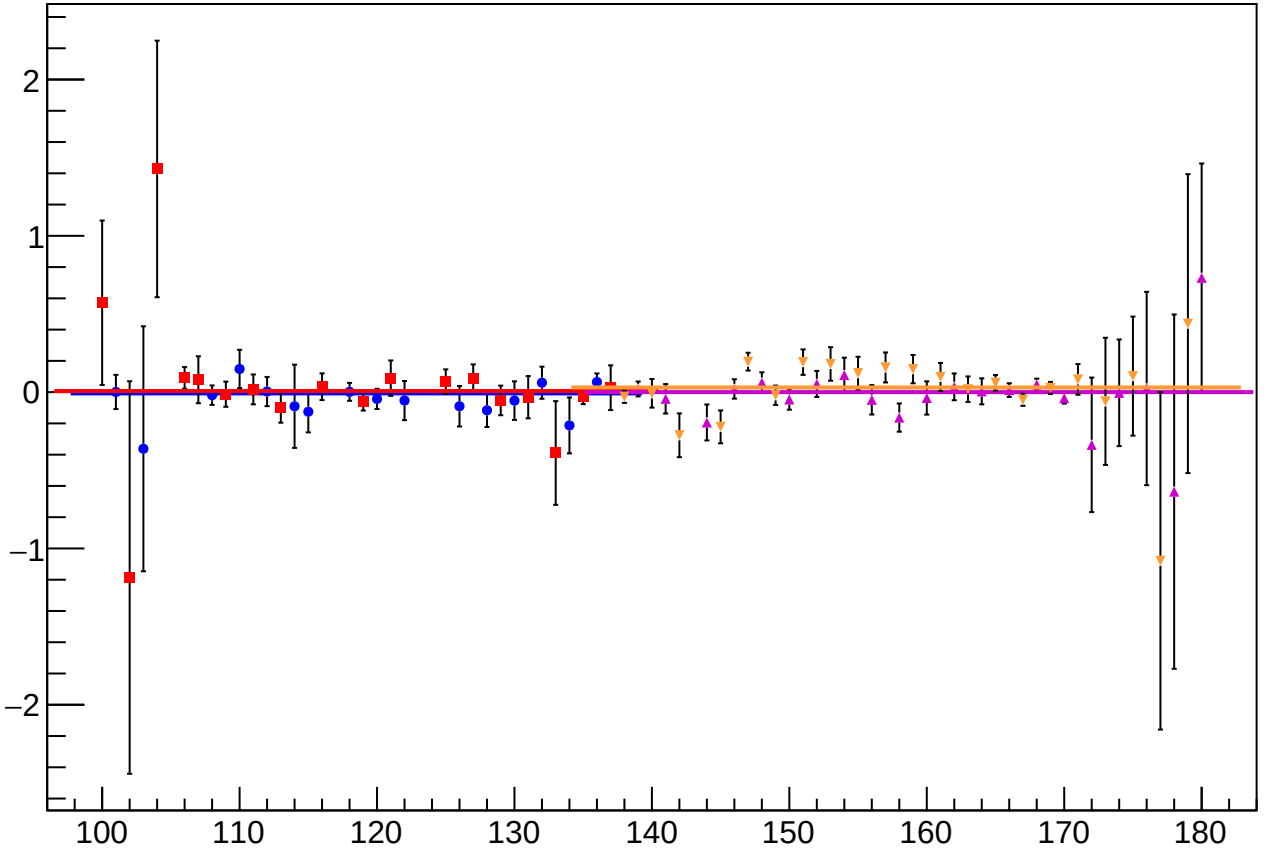
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6884899.8/36

Out: 0.000+/-0.000 χ^2/NDF:5581129.8/38

All: 0.000+/-0.000 χ^2/NDF: 12515484.9/75

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:14.9/20

Left: 0.015+/-0.011 χ^2/NDF: 55.5/41

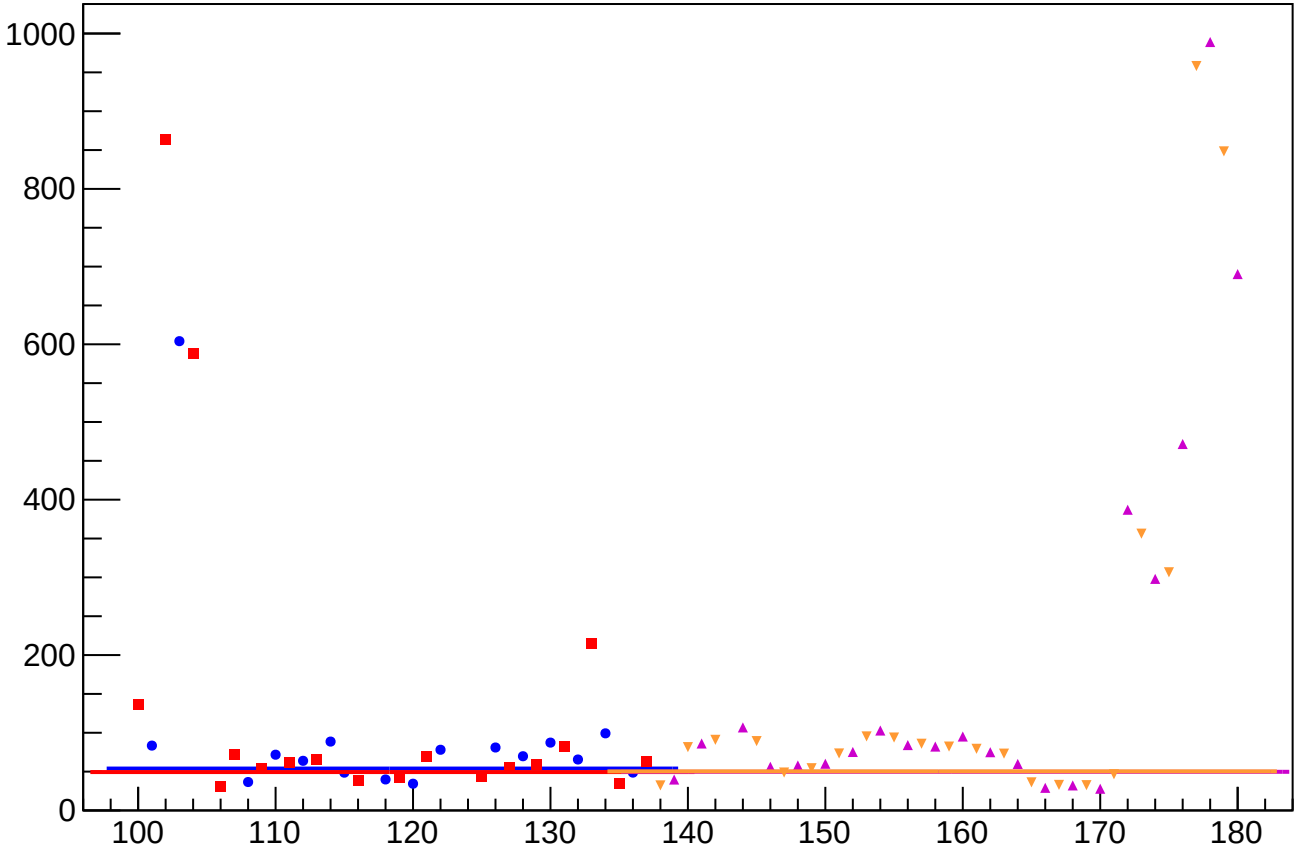
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.3/36

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 78.4/75

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: 50.314+/-0.011 χ^2/NDF:8687036.8/20

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

Left: 50.023+/-0.008 χ^2/NDF: 19226496.3/41

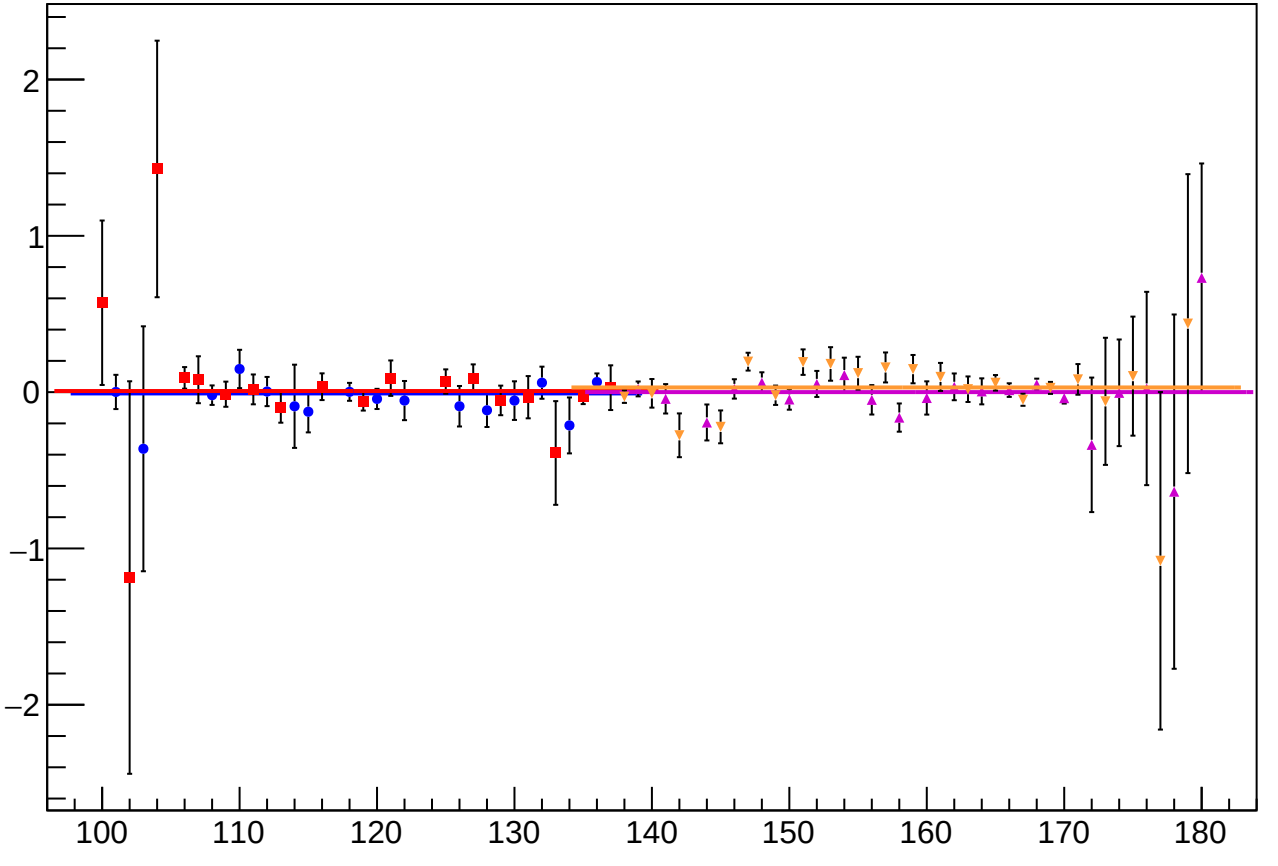
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.012+/-0.009 χ^2/NDF:12798095.9/36

Out: 50.022+/-0.009 χ^2/NDF:11706936.2/38

All: 50.516+/-0.006 χ^2/NDF: 24511096.4/75

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:14.9/20

Left: 0.015+/-0.011 χ^2/NDF: 55.5/41

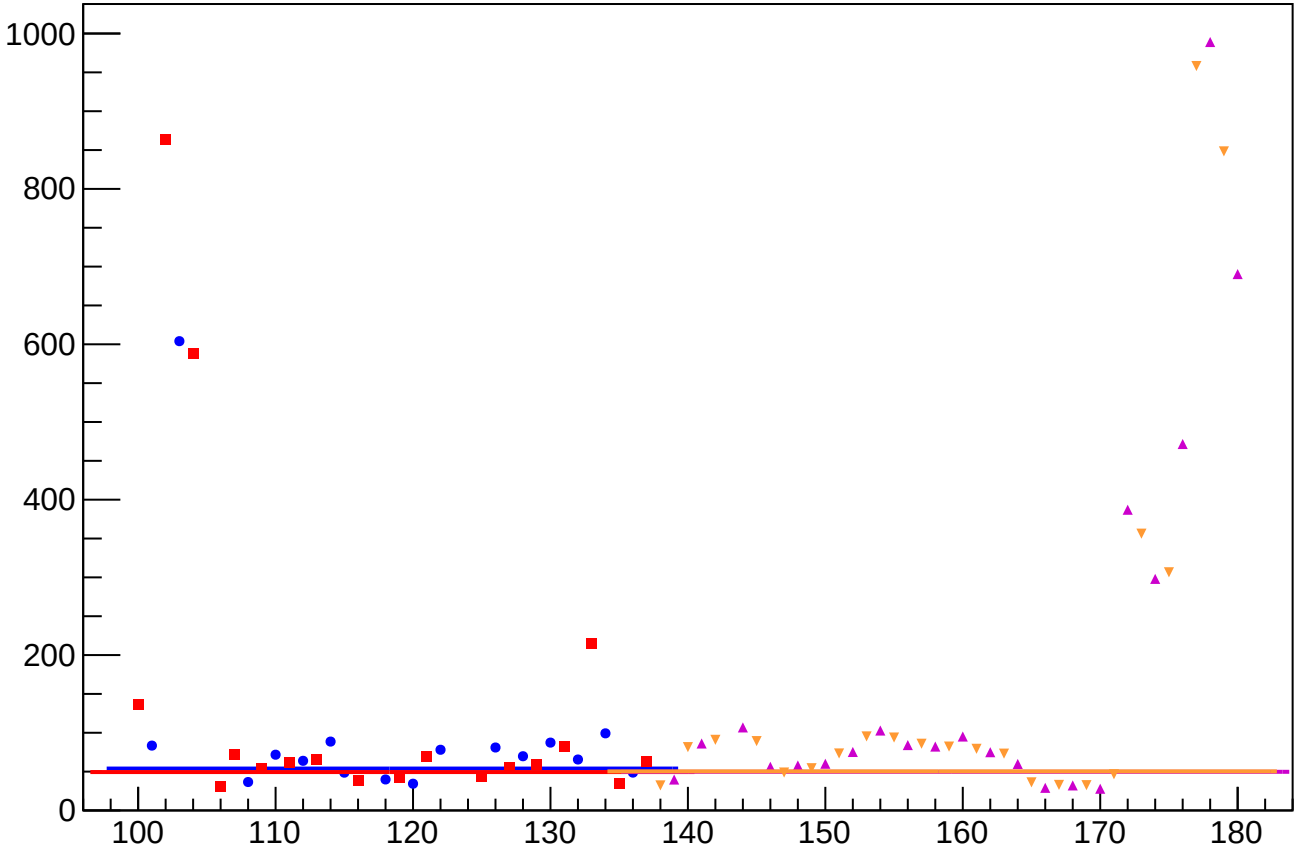
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.3/36

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 78.4/75

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: 50.314+/-0.011 χ^2/NDF:8687036.8/20

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.740+/-0.011 χ^2/NDF:10538067.5/20

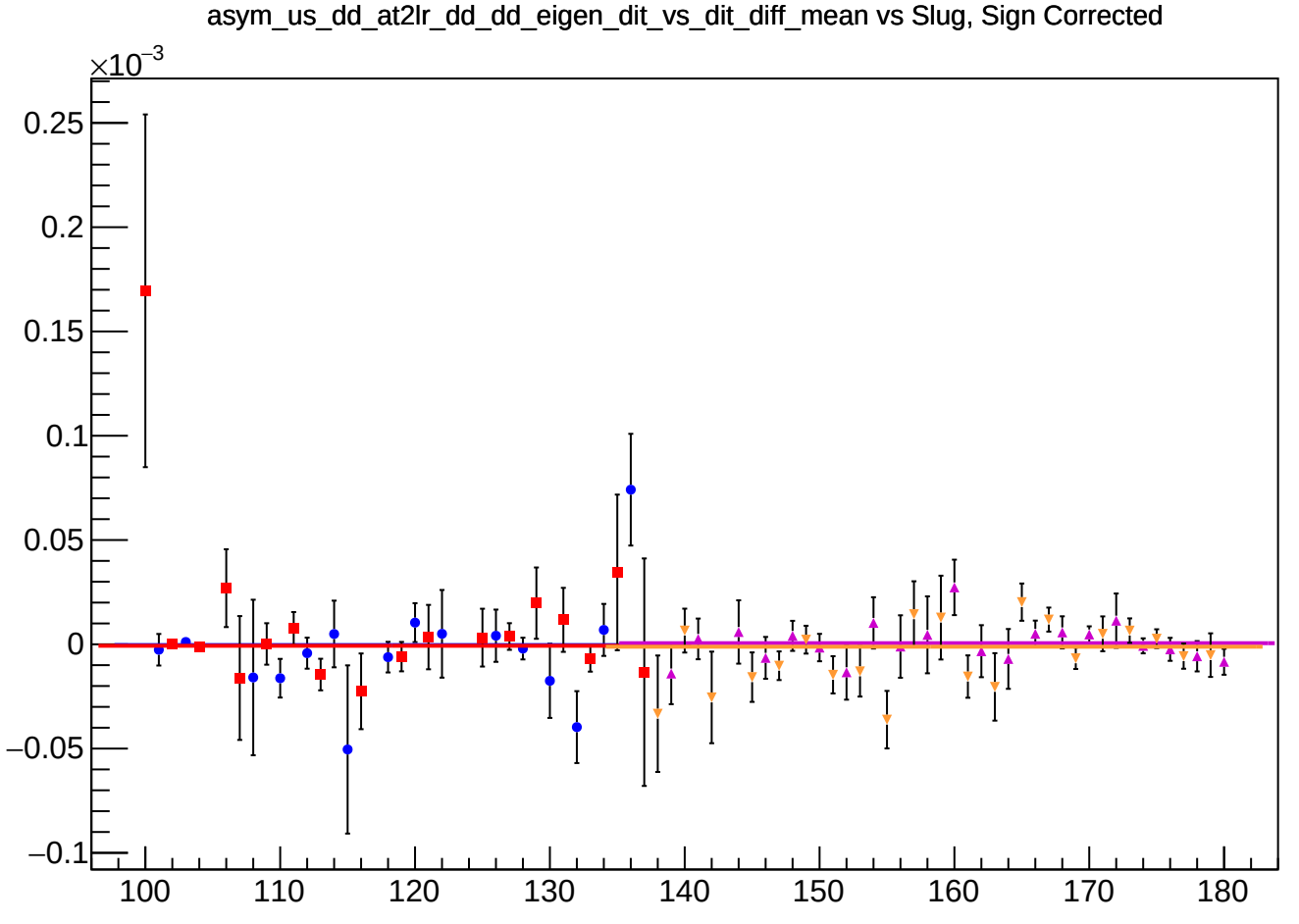
Left: 50.023+/-0.008 χ^2/NDF: 19226496.3/41

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 51.012+/-0.009 χ^2/NDF:12798095.9/36

Out: 50.022+/-0.009 χ^2/NDF:11706936.2/38

All: 50.516+/-0.006 χ^2/NDF: 24511096.4/75



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/20

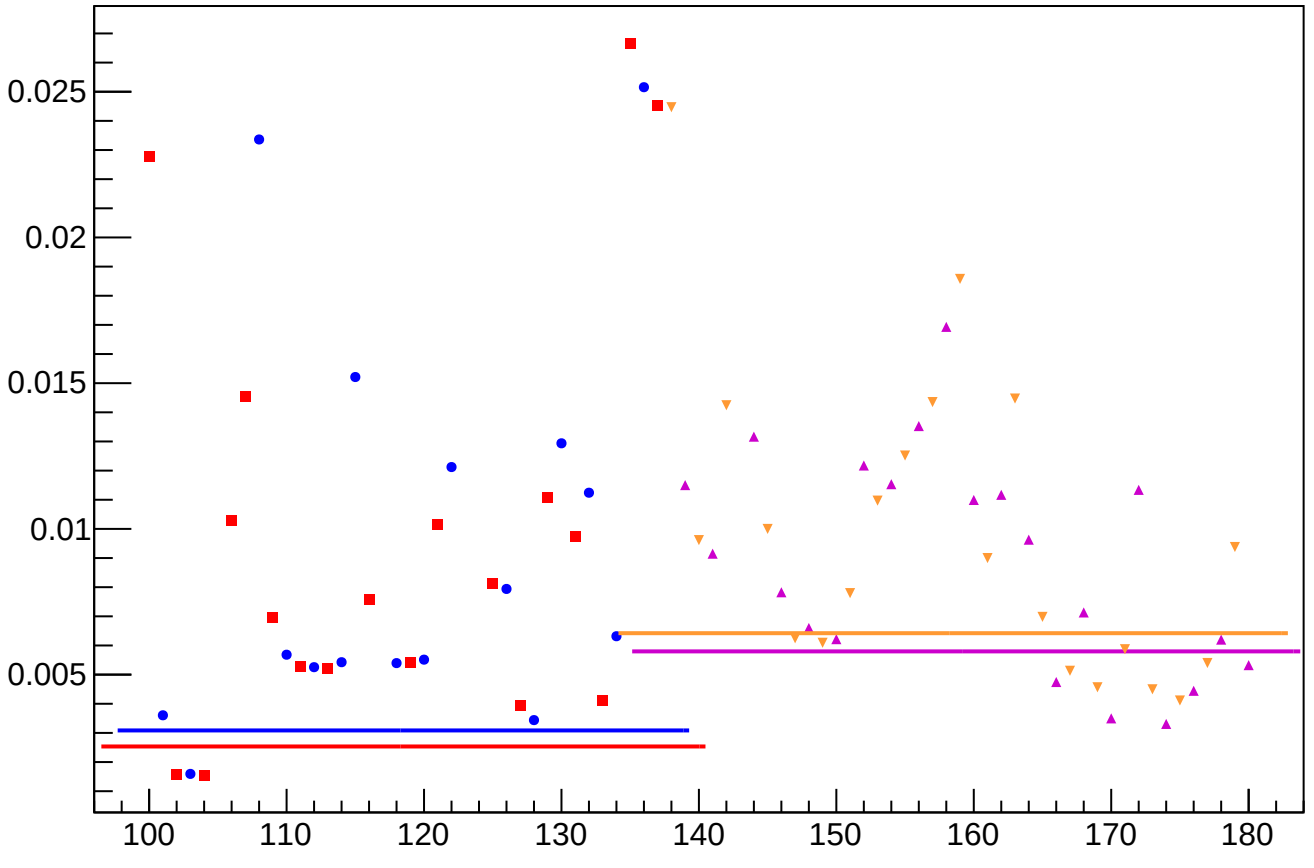
Left: -0.000+/-0.000 χ^2/NDF: 51.6/41

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:36.5/36

Out: -0.000+/-0.000 χ^2/NDF:54.8/38

All: -0.000+/-0.000 χ^2/NDF: 91.6/75



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5379126.4/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6379271.9/20

Left: 0.006+/-0.000 χ^2/NDF: 11892893.2/41

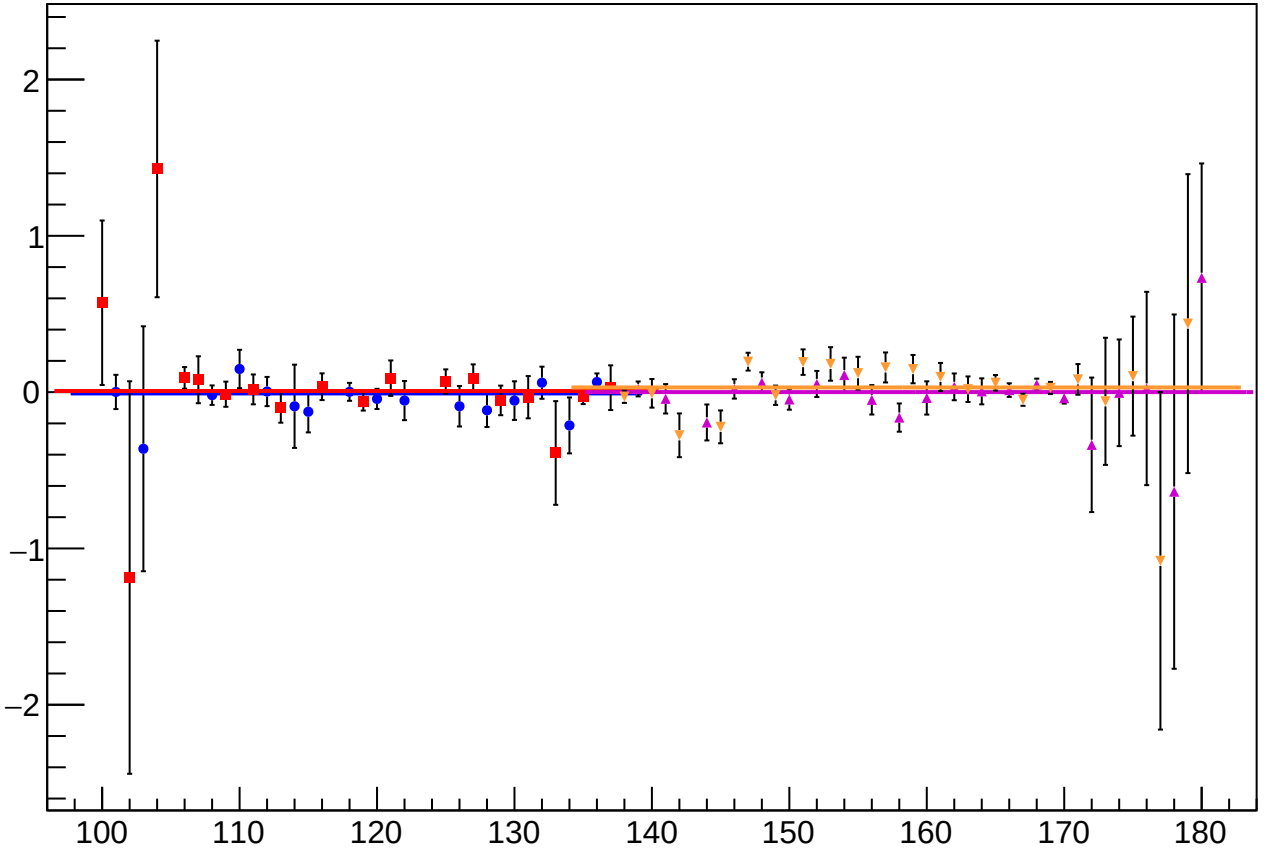
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14944808.0/36

Out: 0.004+/-0.000 χ^2/NDF:17965466.4/38

All: 0.004+/-0.000 χ^2/NDF: 33196452.9/75

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:14.9/20

Left: 0.015+/-0.011 χ^2/NDF: 55.5/41

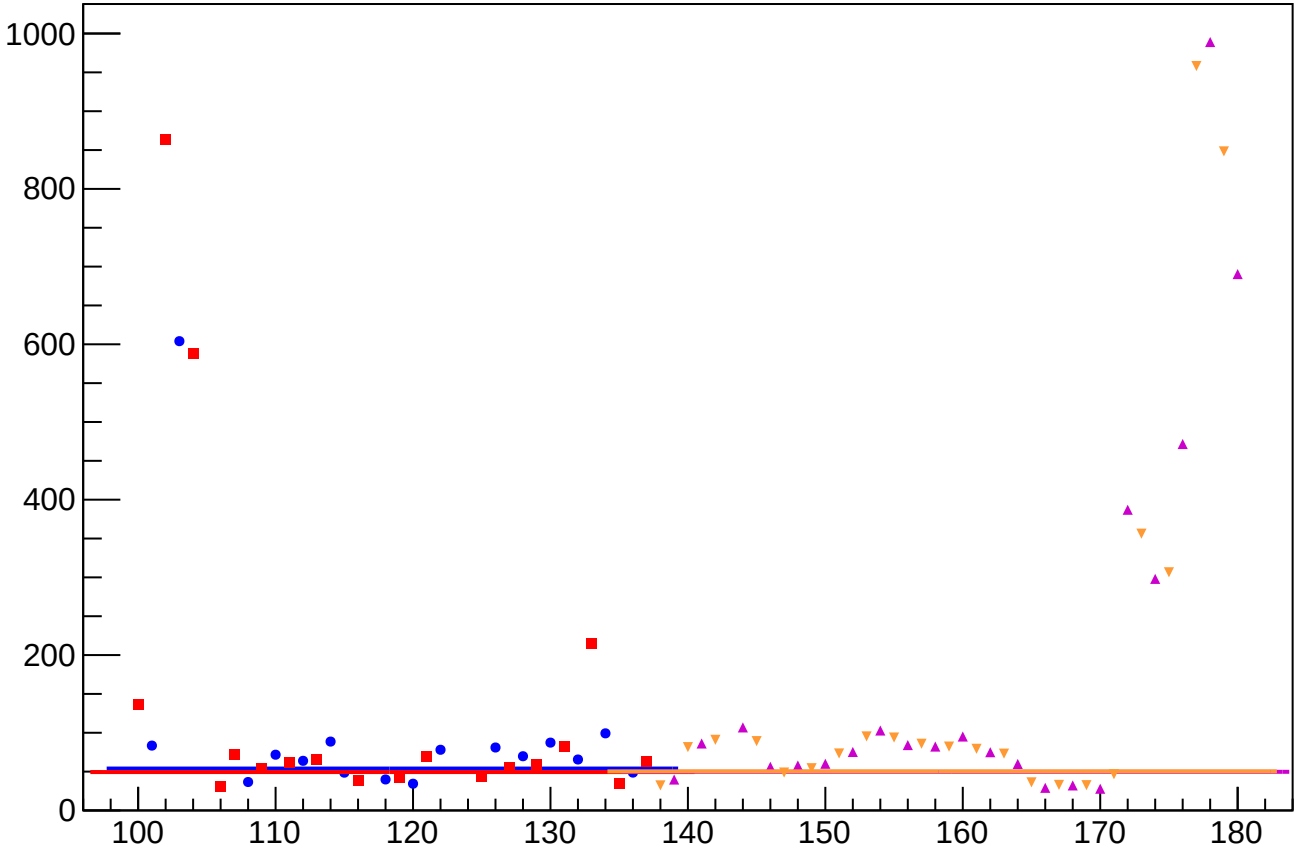
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.3/36

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 78.4/75

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: 50.316+/-0.011 χ^2/NDF:8686233.4/20

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

Left: 50.024+/-0.008 χ^2/NDF: 19225642.0/41

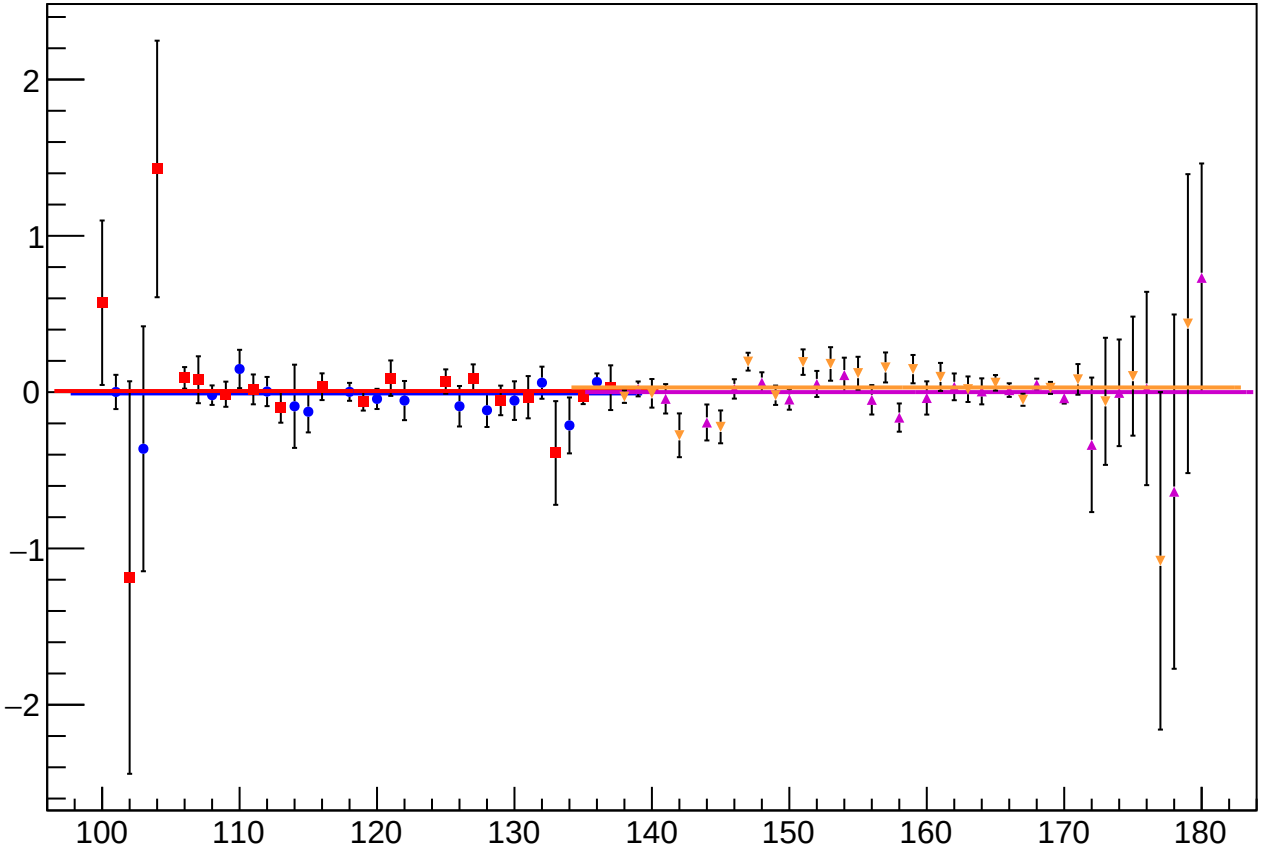
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.013+/-0.009 χ^2/NDF:12797704.6/36

Out: 50.024+/-0.009 χ^2/NDF:11705855.4/38

All: 50.517+/-0.006 χ^2/NDF: 24509607.8/75

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.015 χ^2/NDF:14.9/20

Left: 0.015+/-0.011 χ^2/NDF: 55.5/41

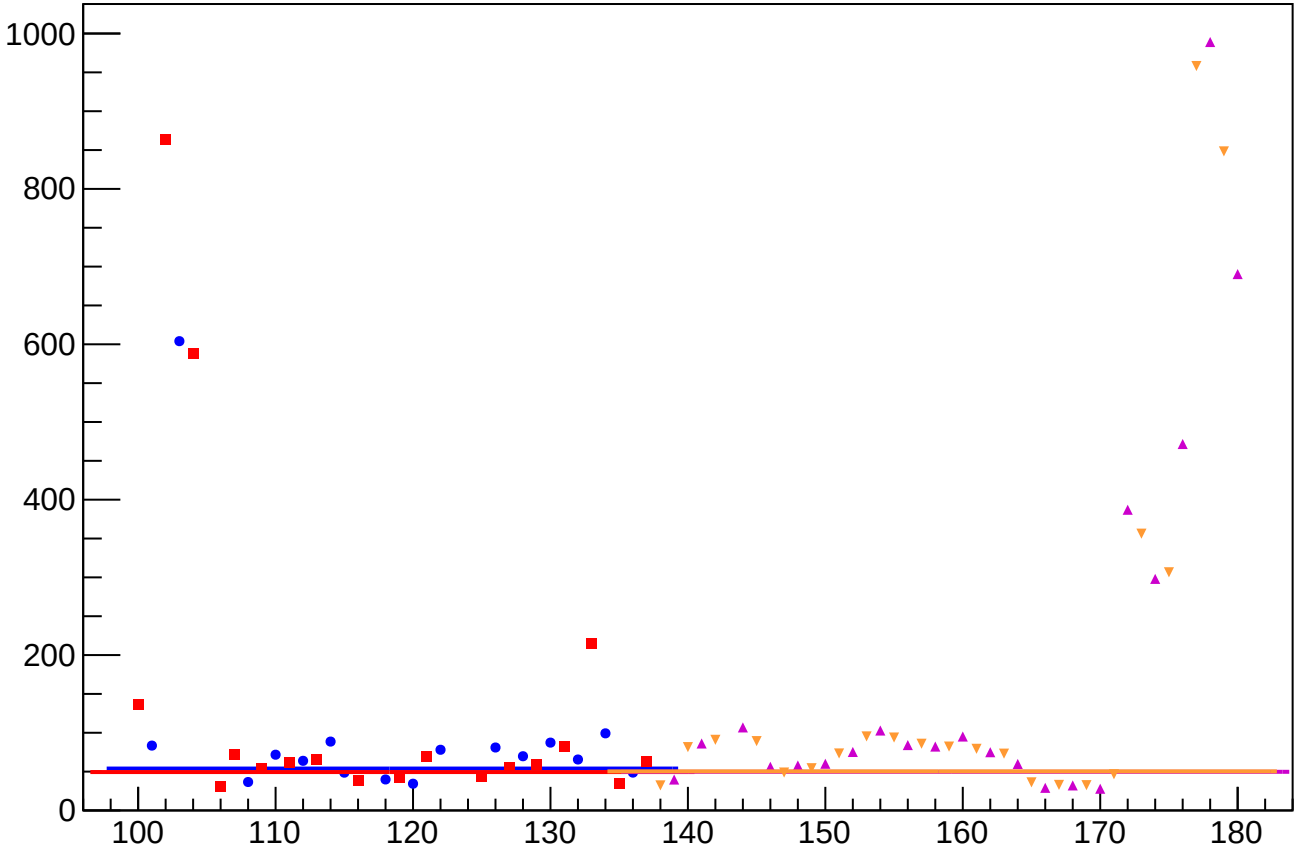
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:23.3/36

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 78.4/75

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: 50.316+/-0.011 χ^2/NDF:8686233.4/20

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.740+/-0.011 χ^2/NDF:10538005.1/20

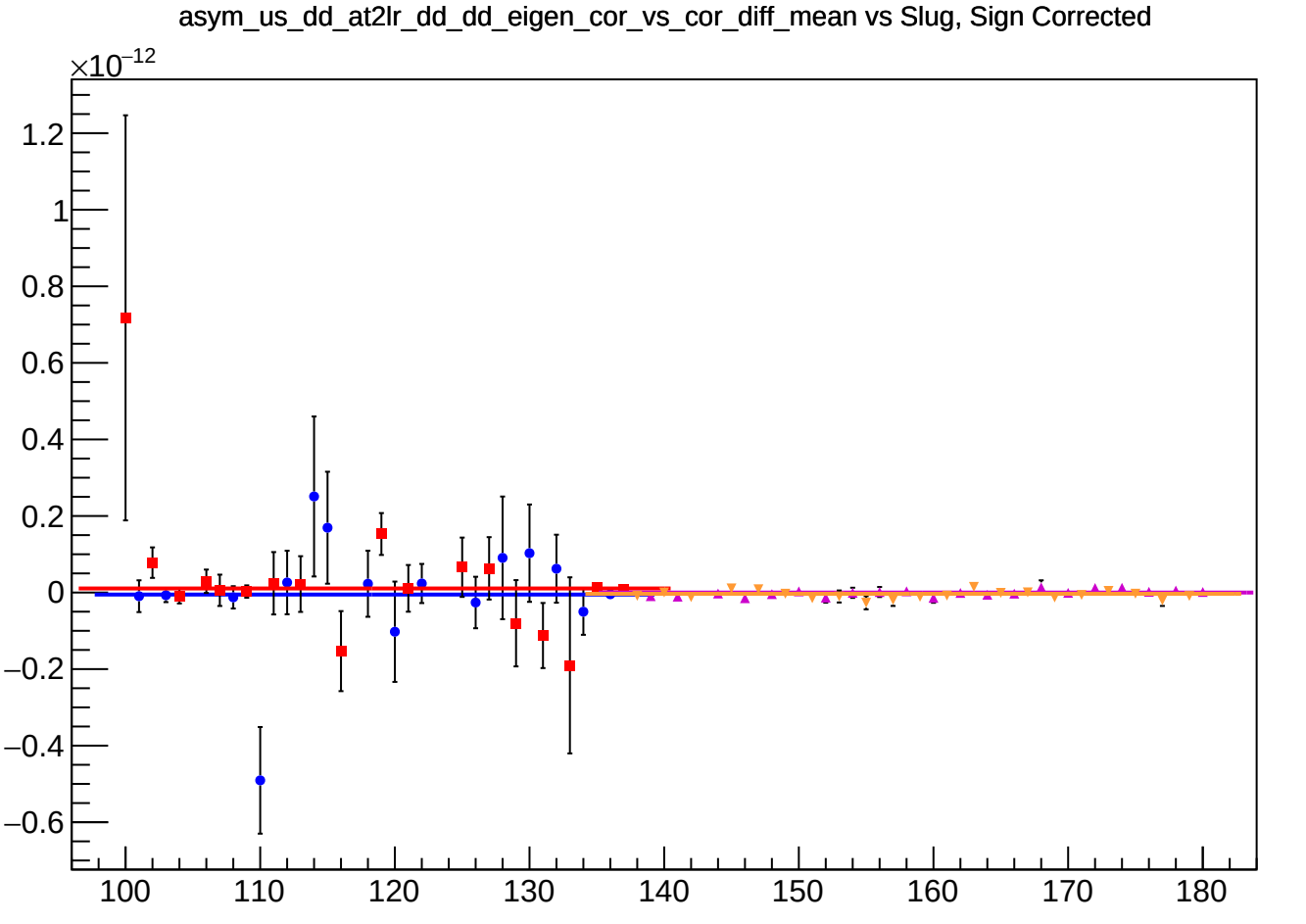
Left: 50.024+/-0.008 χ^2/NDF: 19225642.0/41

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 51.013+/-0.009 χ^2/NDF:12797704.6/36

Out: 50.024+/-0.009 χ^2/NDF:11705855.4/38

All: 50.517+/-0.006 χ^2/NDF: 24509607.8/75



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.5/20

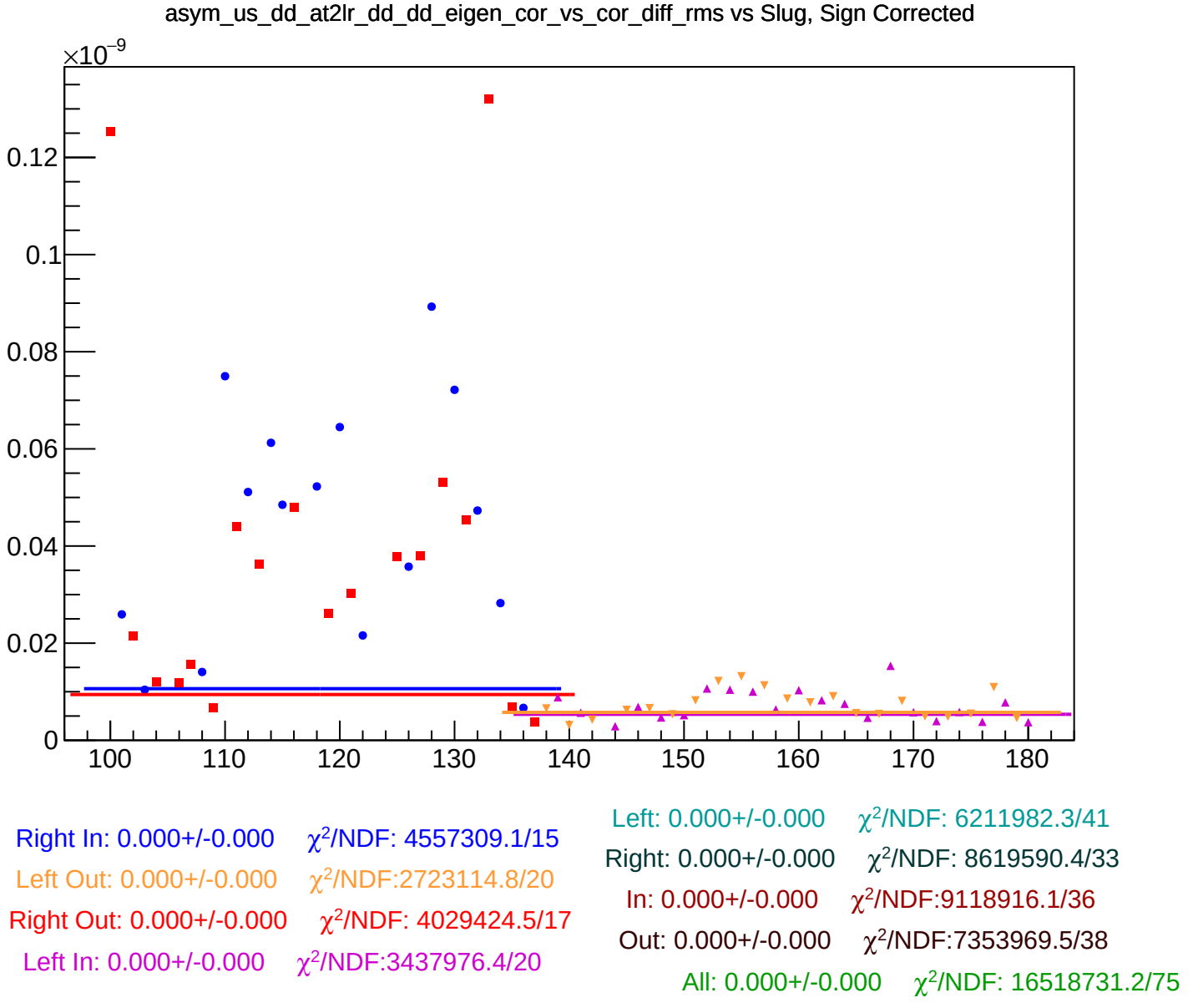
Left: -0.000+/-0.000 χ^2/NDF: 38.5/41

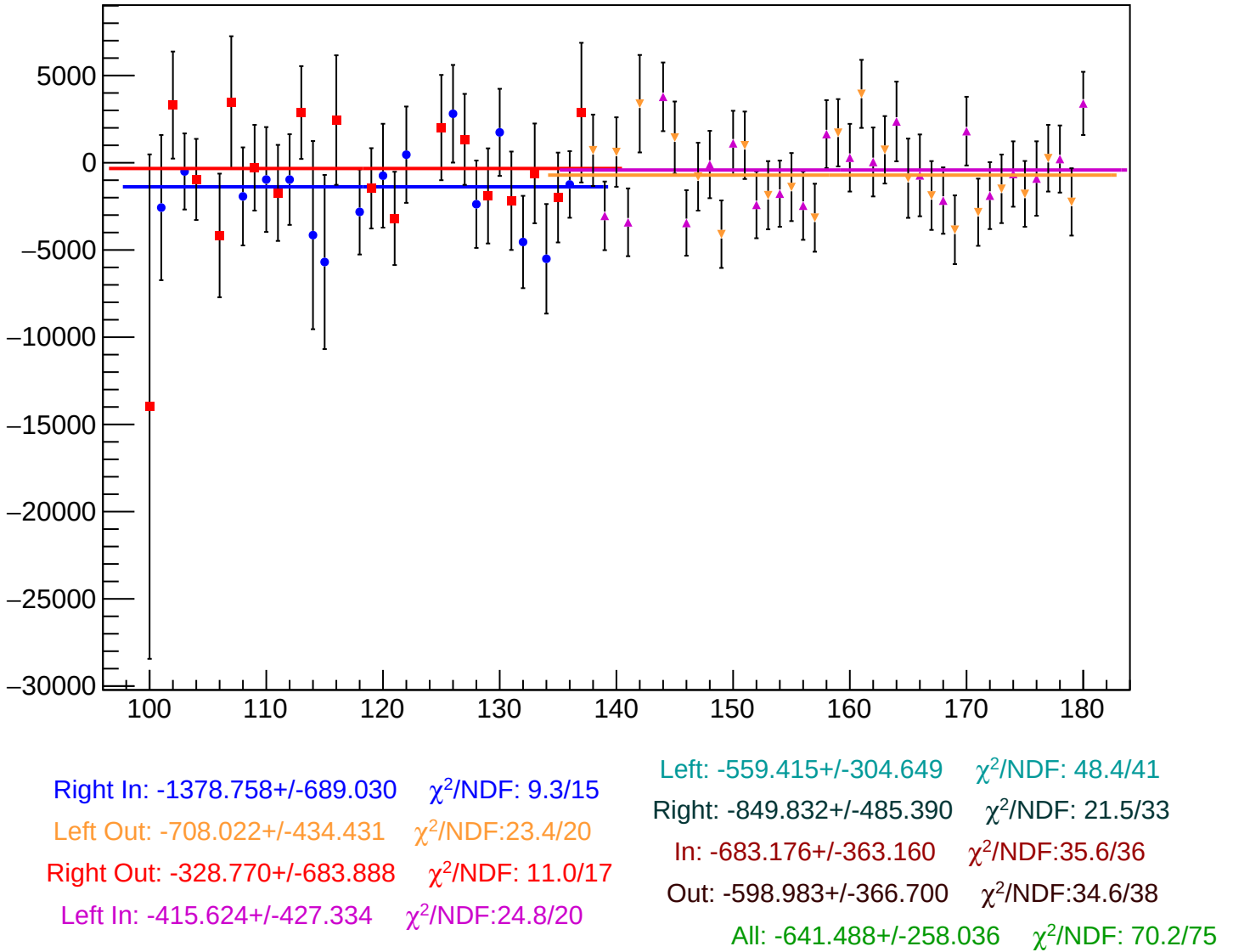
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

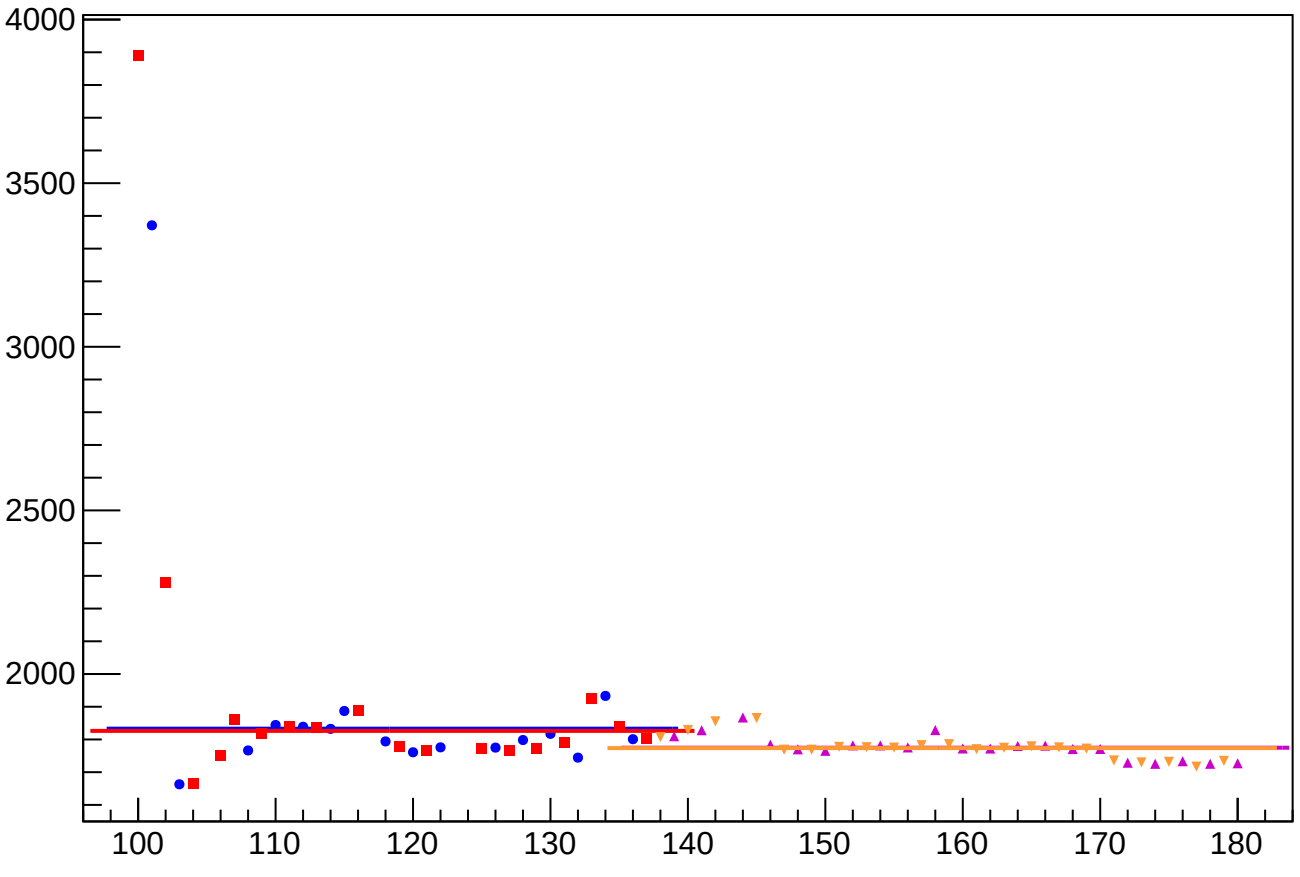
In: -0.000+/-0.000 χ^2/NDF:36.6/36

Out: -0.000+/-0.000 χ^2/NDF:43.7/38

All: -0.000+/-0.000 χ^2/NDF: 81.0/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2723114.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:3437976.4/20
Left: 0.000+/-0.000 χ²/NDF: 6211982.3/41
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:9118916.1/36
Out: 0.000+/-0.000 χ²/NDF:7353969.5/38
All: 0.000+/-0.000 χ²/NDF: 16518731.2/75


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
180
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -708.022+/-434.431 χ²/NDF:23.4/20
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -415.624+/-427.334 χ²/NDF:24.8/20
Left: -559.415+/-304.649 χ²/NDF: 48.4/41
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -683.176+/-363.160 χ²/NDF:35.6/36
Out: -598.983+/-366.700 χ²/NDF:34.6/38
All: -641.488+/-258.036 χ²/NDF: 70.2/75



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

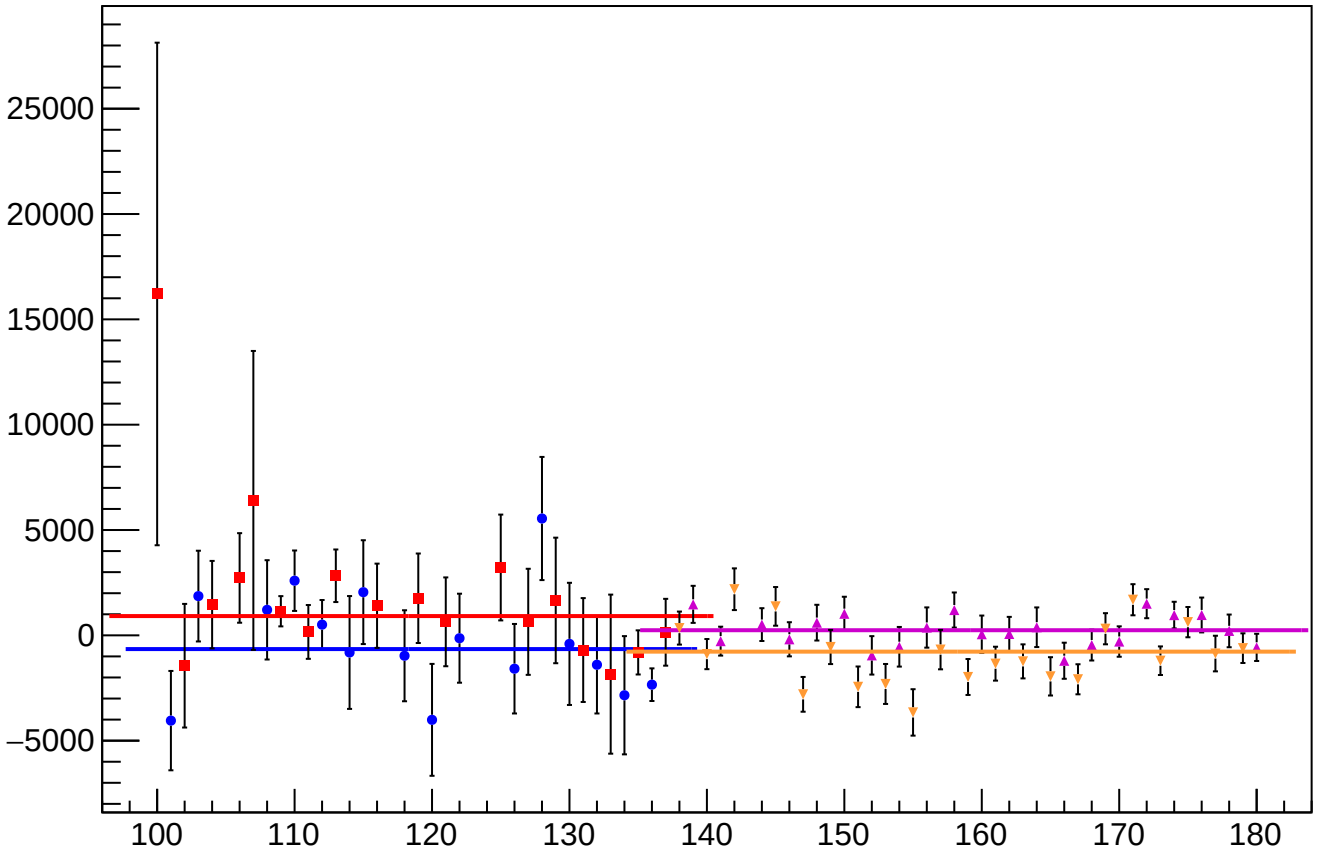
Left: 1774.203+/-0.215 χ^2/NDF: 27465.2/41

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1790.923+/-0.257 χ^2/NDF:319988.7/36

Out: 1788.746+/-0.259 χ^2/NDF:124639.7/38

All: 1789.845+/-0.182 χ^2/NDF: 444663.9/75



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -773.283+/-177.503 χ^2/NDF:60.5/20

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 243.288+/-172.576 χ^2/NDF:19.2/20

Left: -250.695+/-123.735 χ^2/NDF: 96.6/41

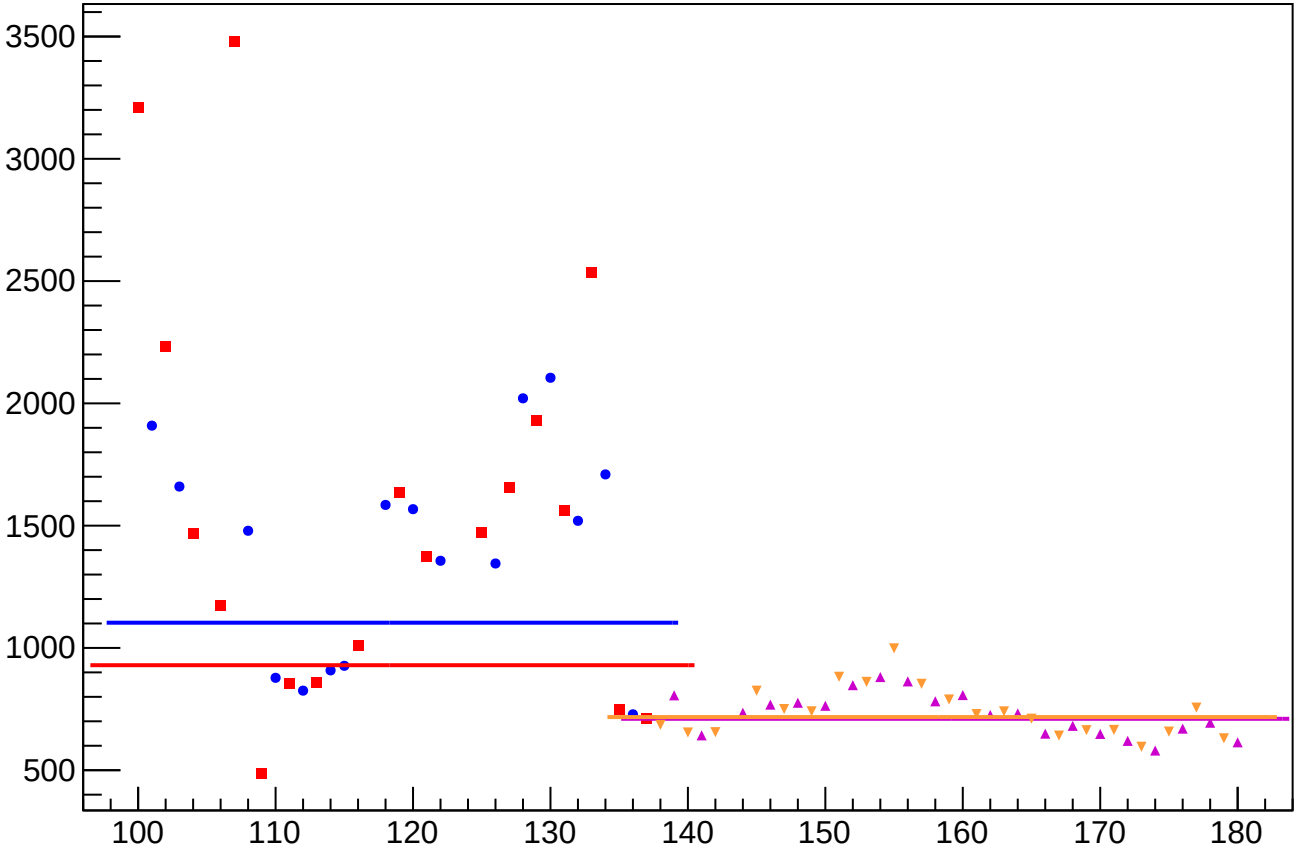
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 124.928+/-160.764 χ^2/NDF:46.0/36

Out: -487.788+/-161.797 χ^2/NDF:87.3/38

All: -179.467+/-114.041 χ^2/NDF: 140.6/75

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: 717.280+/-0.126 χ^2/NDF:507570.2/20

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 710.212+/-0.122 χ^2/NDF:475734.4/20

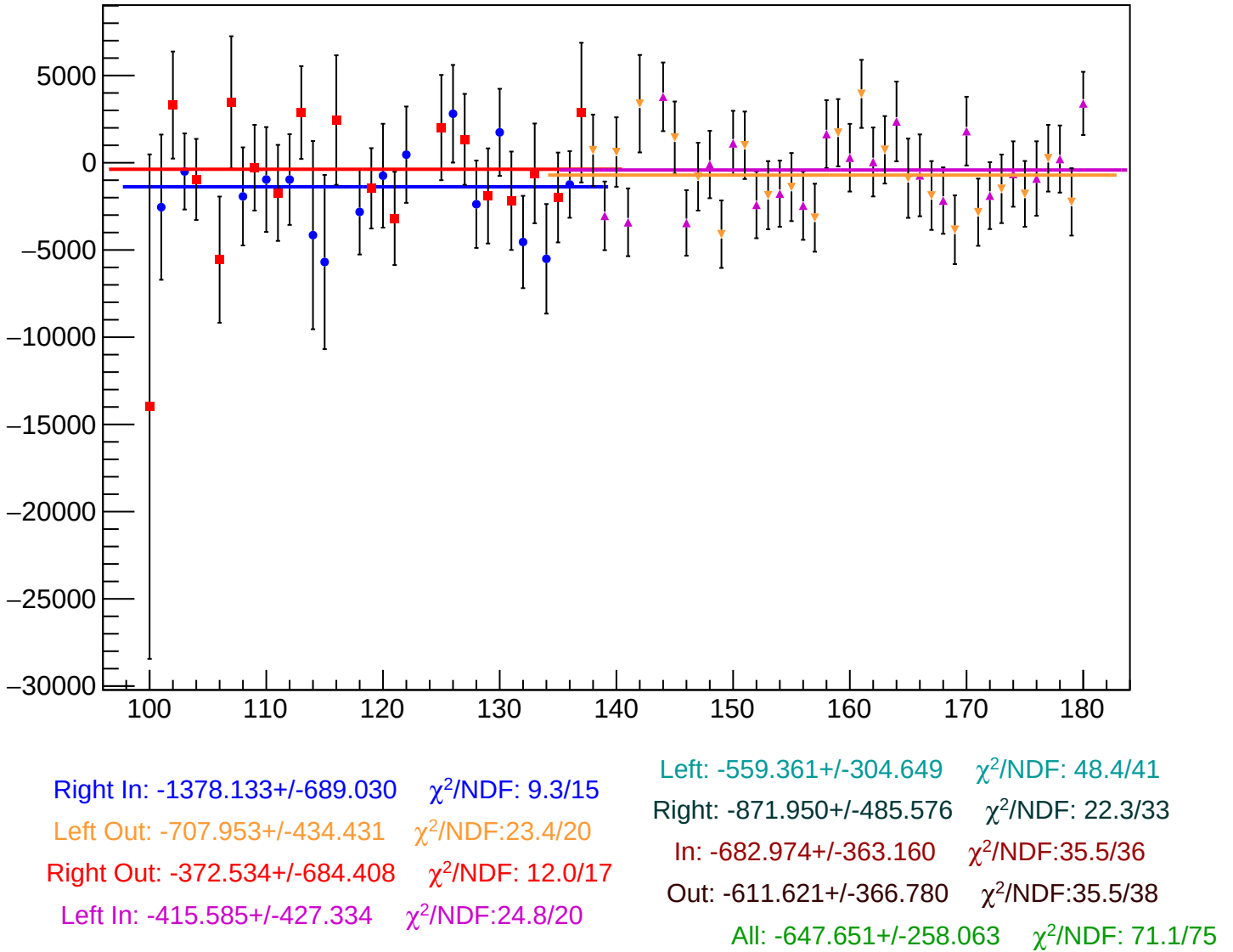
Left: 713.647+/-0.087 χ^2/NDF: 984934.4/41

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 762.167+/-0.114 χ^2/NDF:3724967.7/36

Out: 753.149+/-0.114 χ^2/NDF:4044535.3/38

All: 757.687+/-0.081 χ^2/NDF: 7772630.0/75


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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110
120
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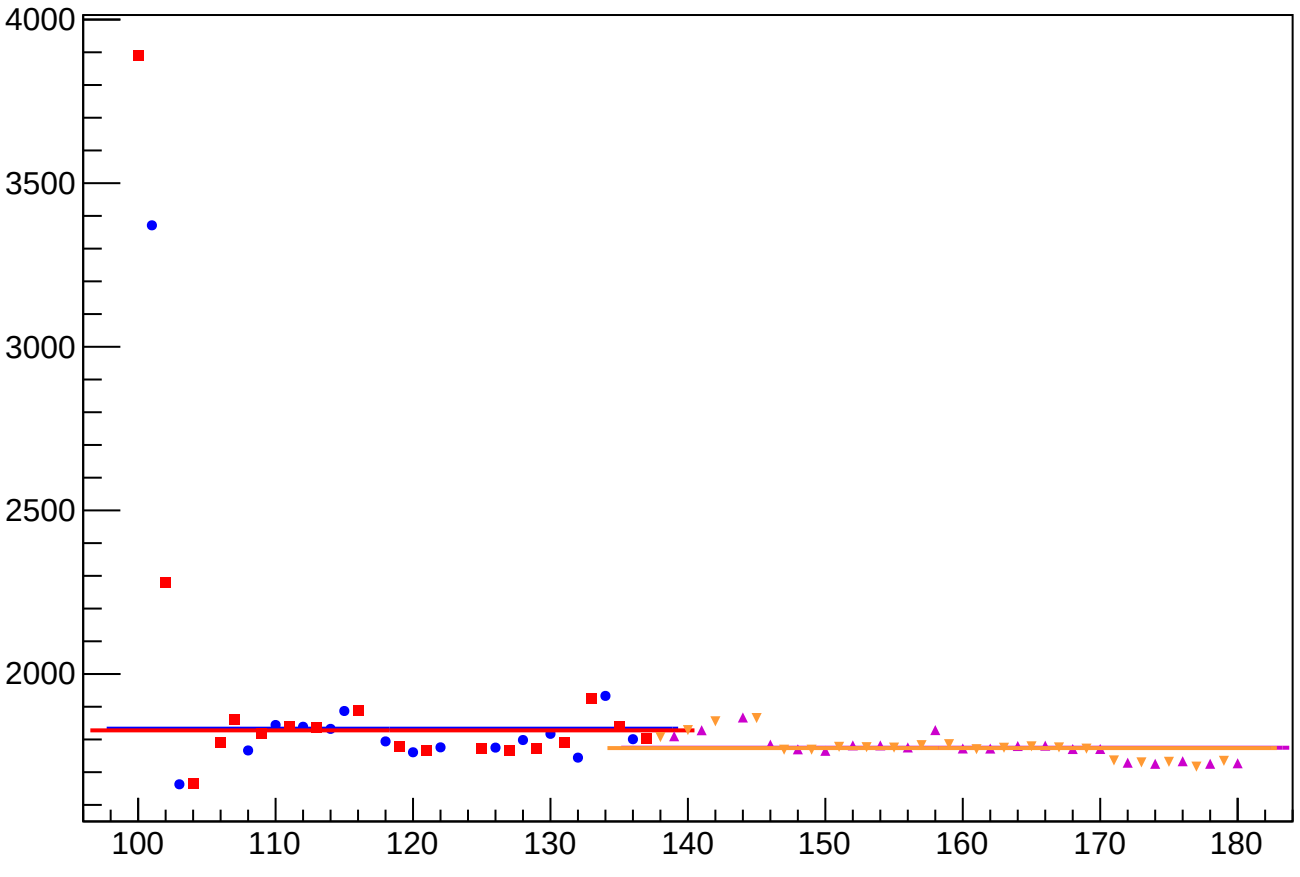
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -707.953+/-434.431 χ²/NDF:23.4/20
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -415.585+/-427.334 χ²/NDF:24.8/20
Left: -559.361+/-304.649 χ²/NDF: 48.4/41
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -682.974+/-363.160 χ²/NDF:35.5/36
Out: -611.621+/-366.780 χ²/NDF:35.5/38
All: -647.651+/-258.063 χ²/NDF: 71.1/75



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

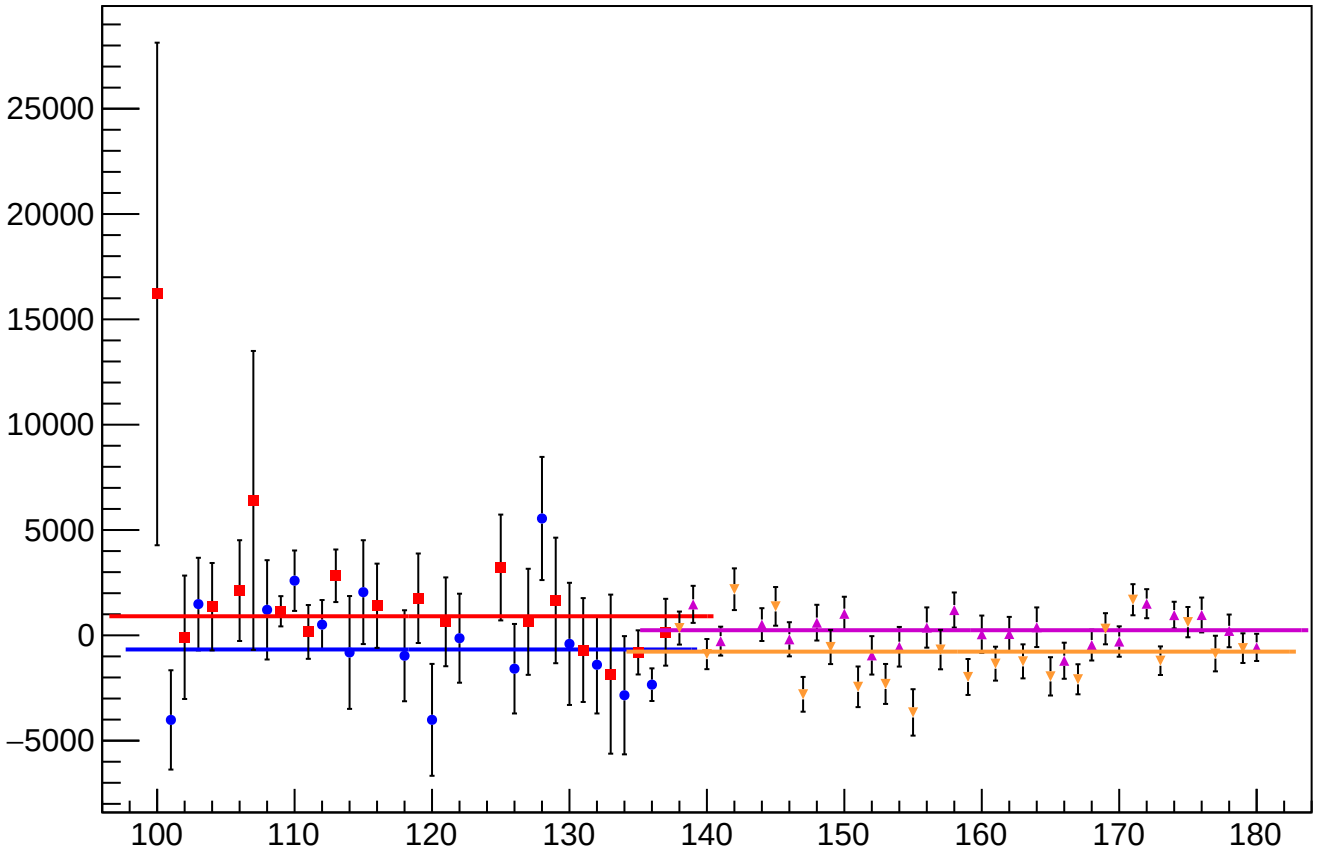
Left: 1774.203+/-0.215 χ^2/NDF: 27465.2/41

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1790.923+/-0.257 χ^2/NDF:319990.5/36

Out: 1789.183+/-0.259 χ^2/NDF:124406.6/38

All: 1790.061+/-0.182 χ^2/NDF: 444419.8/75



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -773.304+/-177.504 χ^2/NDF:60.5/20

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 243.215+/-172.578 χ^2/NDF:19.2/20

Left: -250.743+/-123.736 χ^2/NDF: 96.6/41

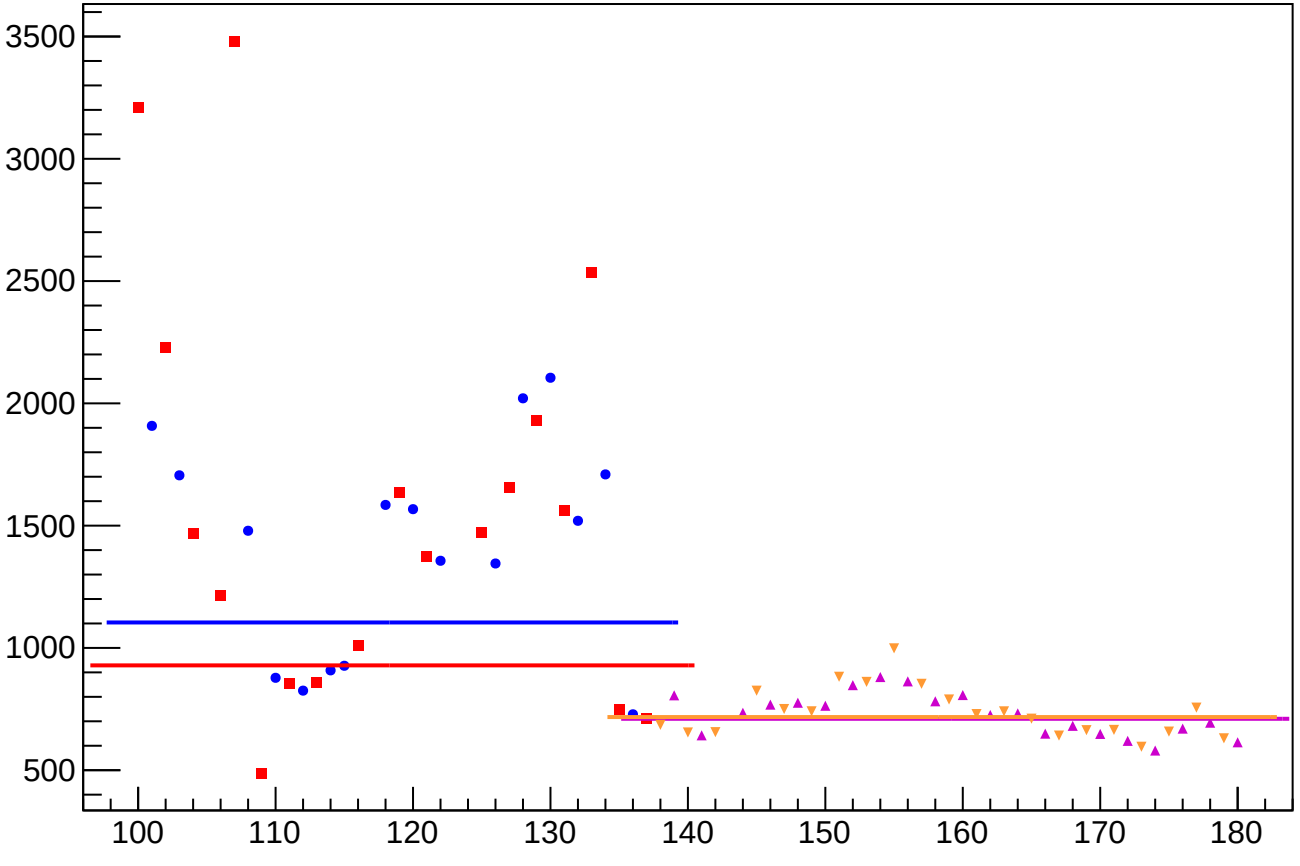
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 122.581+/-160.783 χ^2/NDF:45.7/36

Out: -490.962+/-161.895 χ^2/NDF:86.1/38

All: -182.077+/-114.082 χ^2/NDF: 139.0/75

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

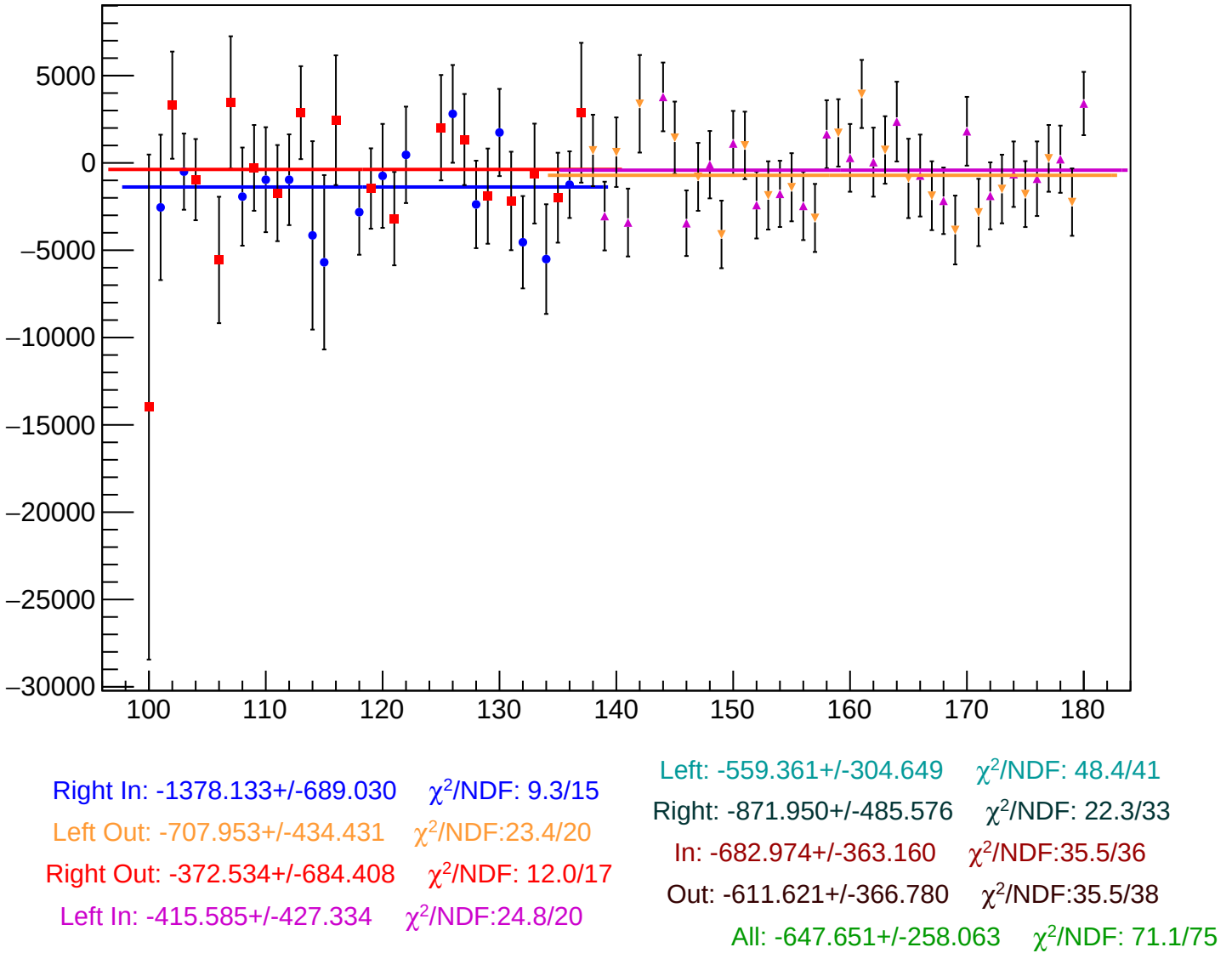
Left: 713.652+/-0.087 χ^2/NDF: 984878.8/41

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 762.219+/-0.114 χ^2/NDF:3745657.4/36

Out: 752.821+/-0.114 χ^2/NDF:4038618.2/38

All: 757.553+/-0.081 χ^2/NDF: 7787668.8/75


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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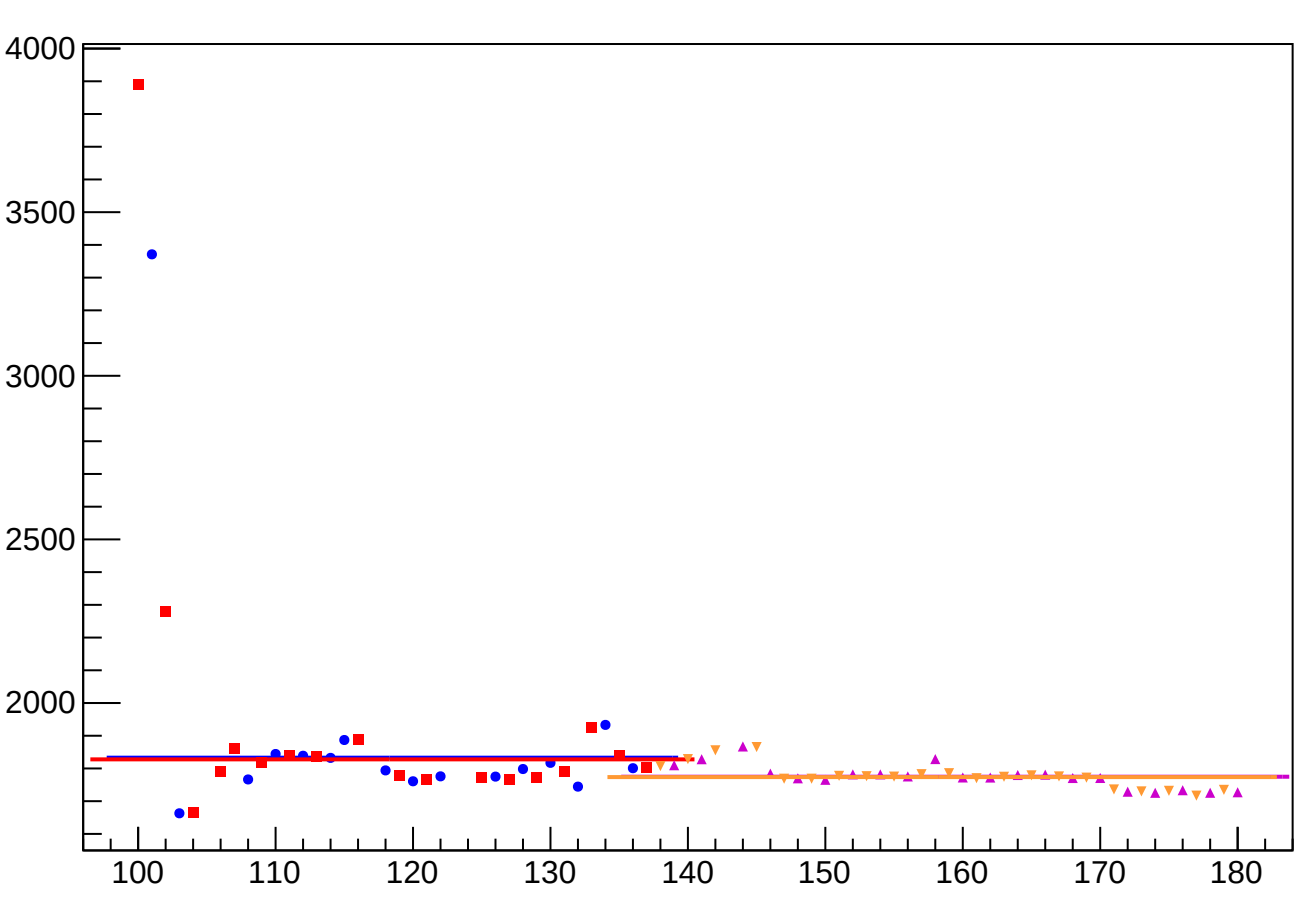
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -707.953+/-434.431 χ²/NDF:23.4/20
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -415.585+/-427.334 χ²/NDF:24.8/20
Left: -559.361+/-304.649 χ²/NDF: 48.4/41
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -682.974+/-363.160 χ²/NDF:35.5/36
Out: -611.621+/-366.780 χ²/NDF:35.5/38
All: -647.651+/-258.063 χ²/NDF: 71.1/75



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1774.759+/-0.302 χ^2/NDF:14248.2/20

Left: 1774.203+/-0.215 χ^2/NDF: 27465.2/41

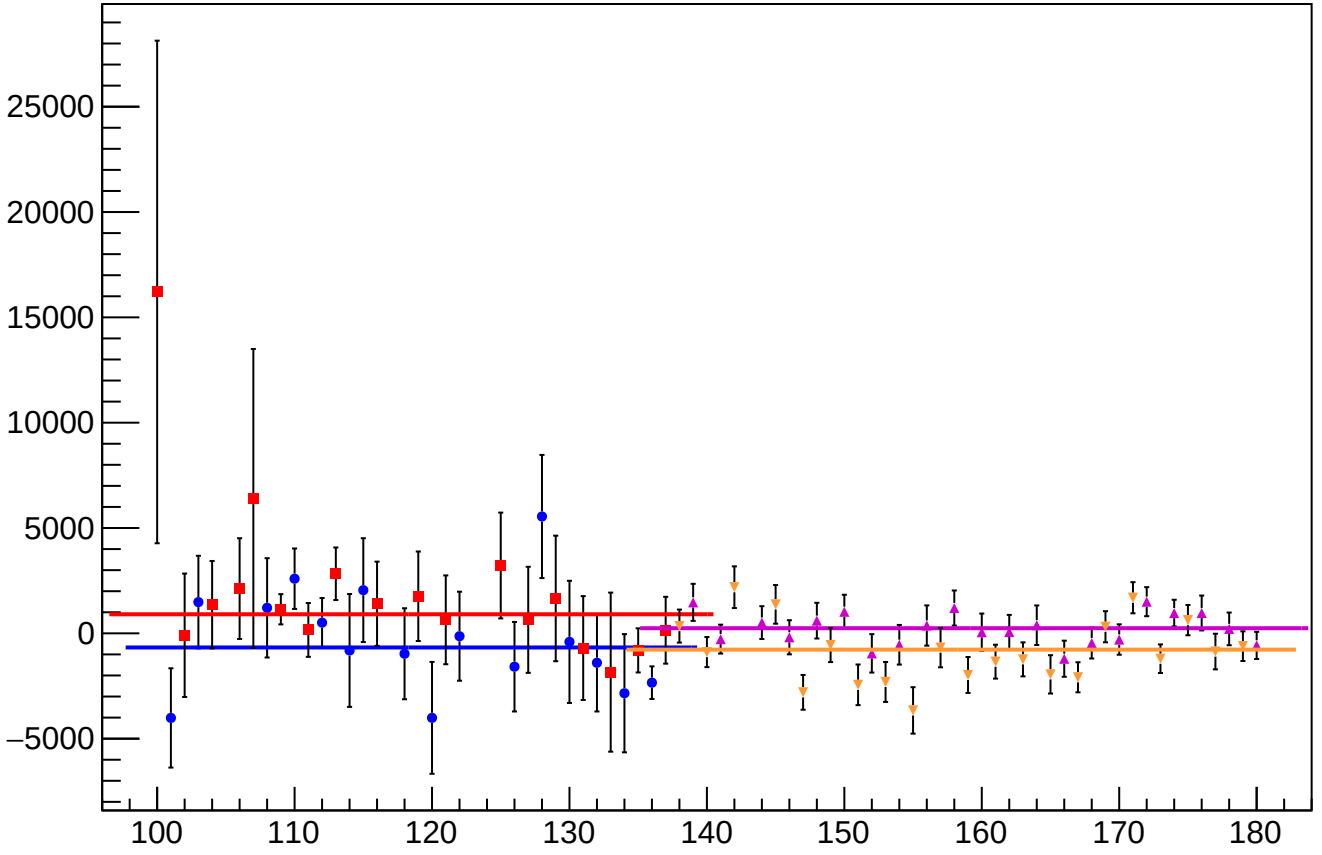
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1790.923+/-0.257 χ^2/NDF:319990.5/36

Out: 1789.183+/-0.259 χ^2/NDF:124406.6/38

All: 1790.061+/-0.182 χ^2/NDF: 444419.8/75

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: -773.304+/-177.504 χ^2/NDF:60.5/20

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 243.215+/-172.578 χ^2/NDF:19.2/20

Left: -250.743+/-123.736 χ^2/NDF: 96.6/41

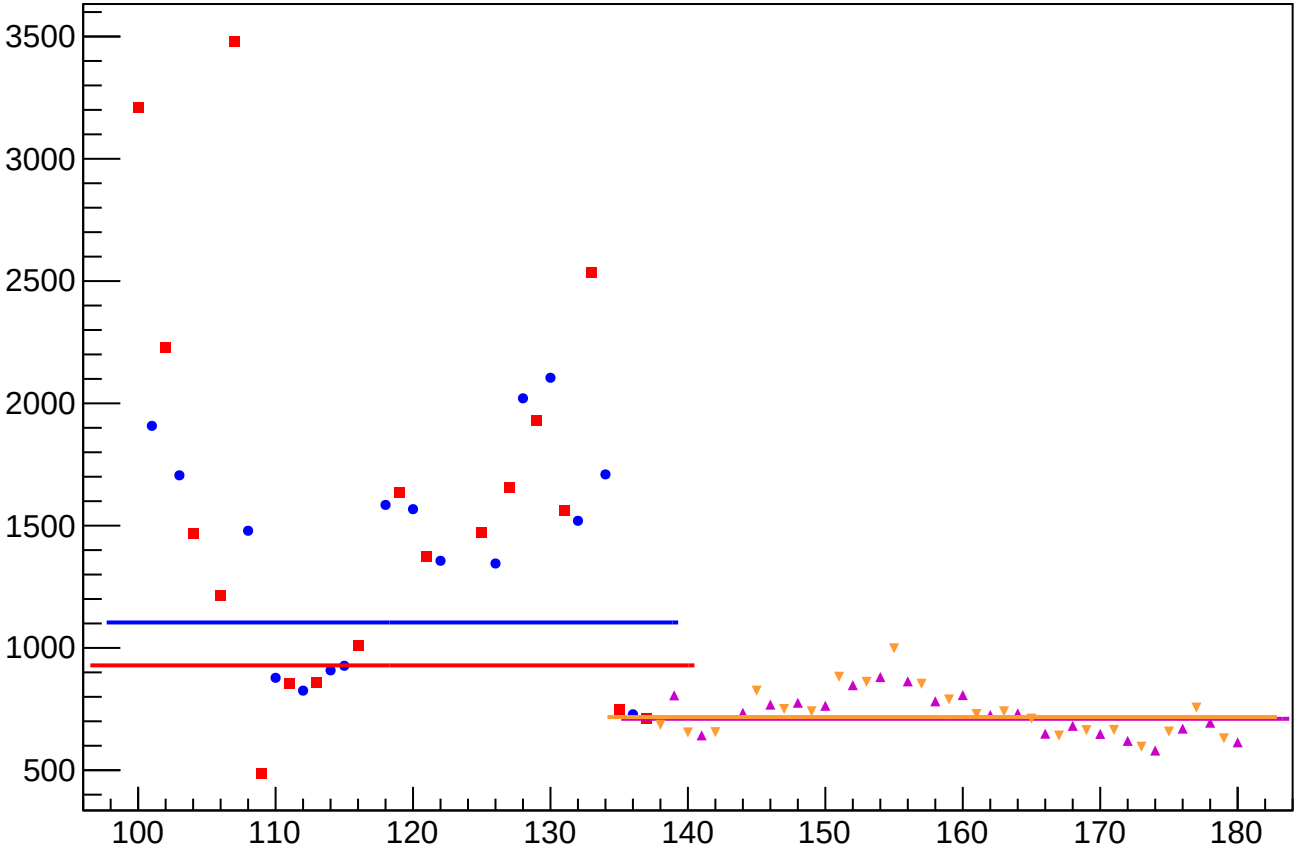
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 122.581+/-160.783 χ^2/NDF:45.7/36

Out: -490.962+/-161.895 χ^2/NDF:86.1/38

All: -182.077+/-114.082 χ^2/NDF: 139.0/75

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 710.218+/-0.122 χ^2/NDF:475741.7/20

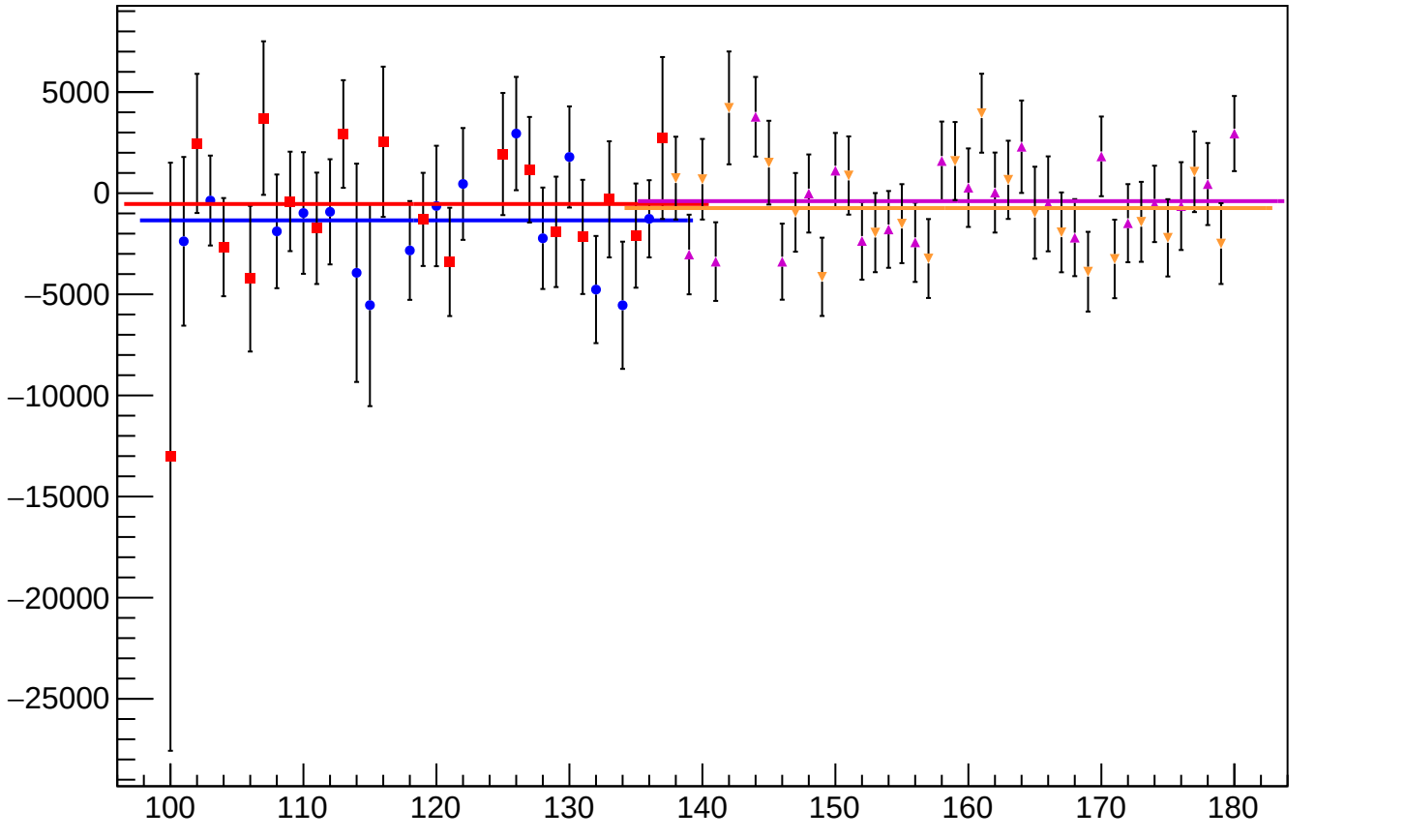
Left: 713.652+/-0.087 χ^2/NDF: 984878.8/41

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 762.219+/-0.114 χ^2/NDF:3745657.4/36

Out: 752.821+/-0.114 χ^2/NDF:4038618.2/38

All: 757.553+/-0.081 χ^2/NDF: 7787668.8/75



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -735.885+/-436.885 χ^2/NDF:26.0/20

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -392.186+/-429.796 χ^2/NDF:23.0/20

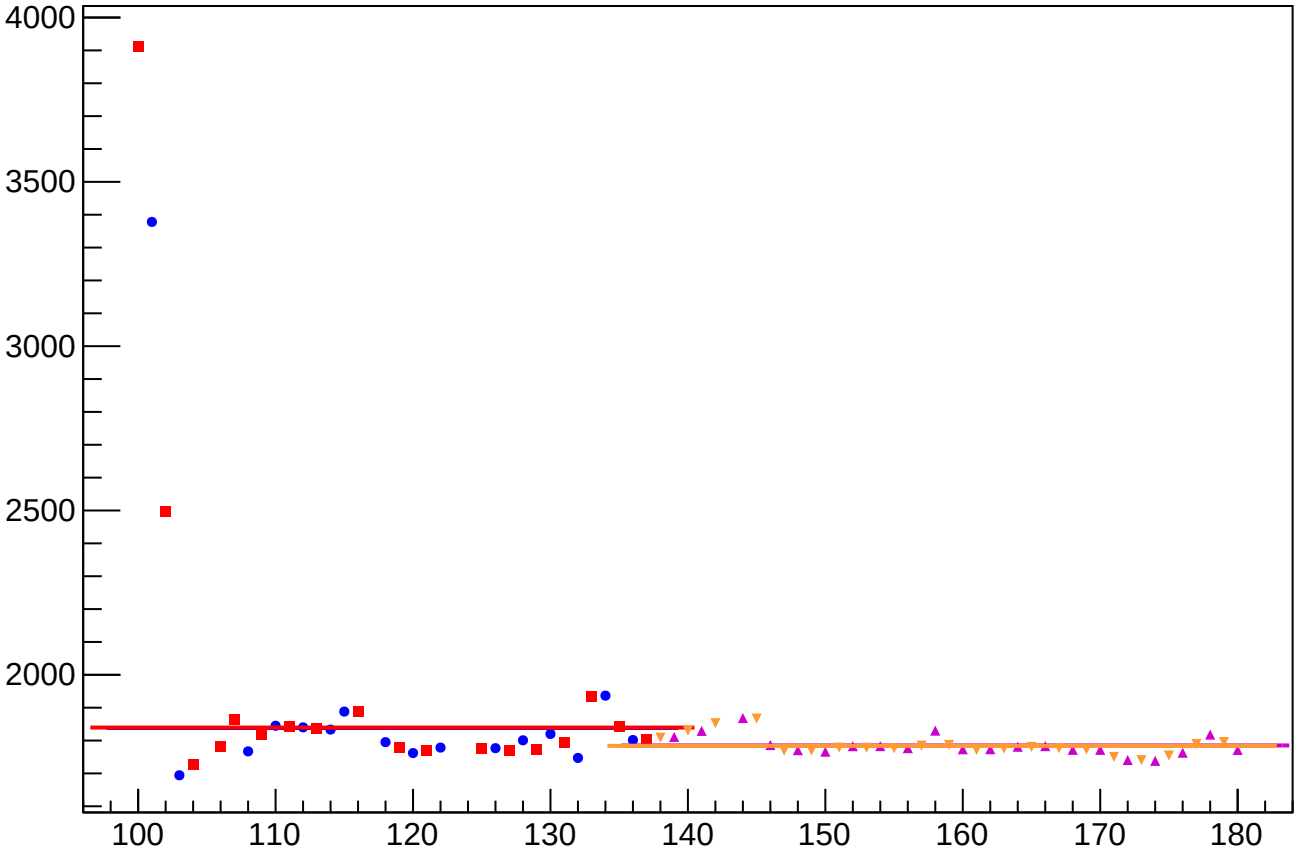
Left: -561.224+/-306.387 χ^2/NDF: 49.3/41

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -657.717+/-364.950 χ^2/NDF:34.0/36

Out: -678.282+/-369.265 χ^2/NDF:37.1/38

All: -667.879+/-259.571 χ^2/NDF: 71.2/75



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.077+/-0.304 χ^2/NDF:9873.4/20

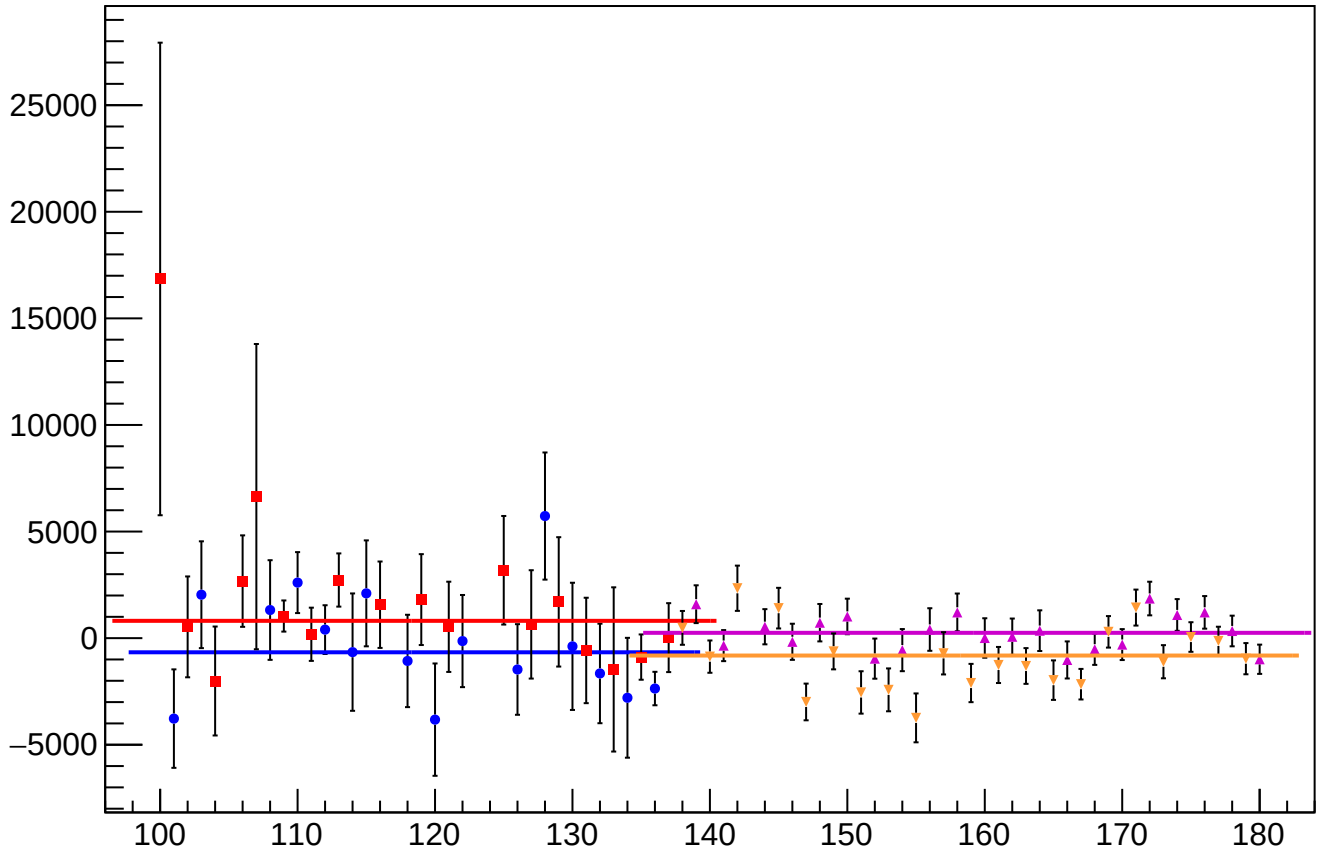
Left: 1784.427+/-0.217 χ^2/NDF: 18302.6/41

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1799.886+/-0.258 χ^2/NDF:310368.8/36

Out: 1799.681+/-0.261 χ^2/NDF:145978.9/38

All: 1799.785+/-0.184 χ^2/NDF: 456347.9/75



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -815.584+/-182.225 χ^2/NDF:55.4/20

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 249.739+/-179.326 χ^2/NDF:22.2/20

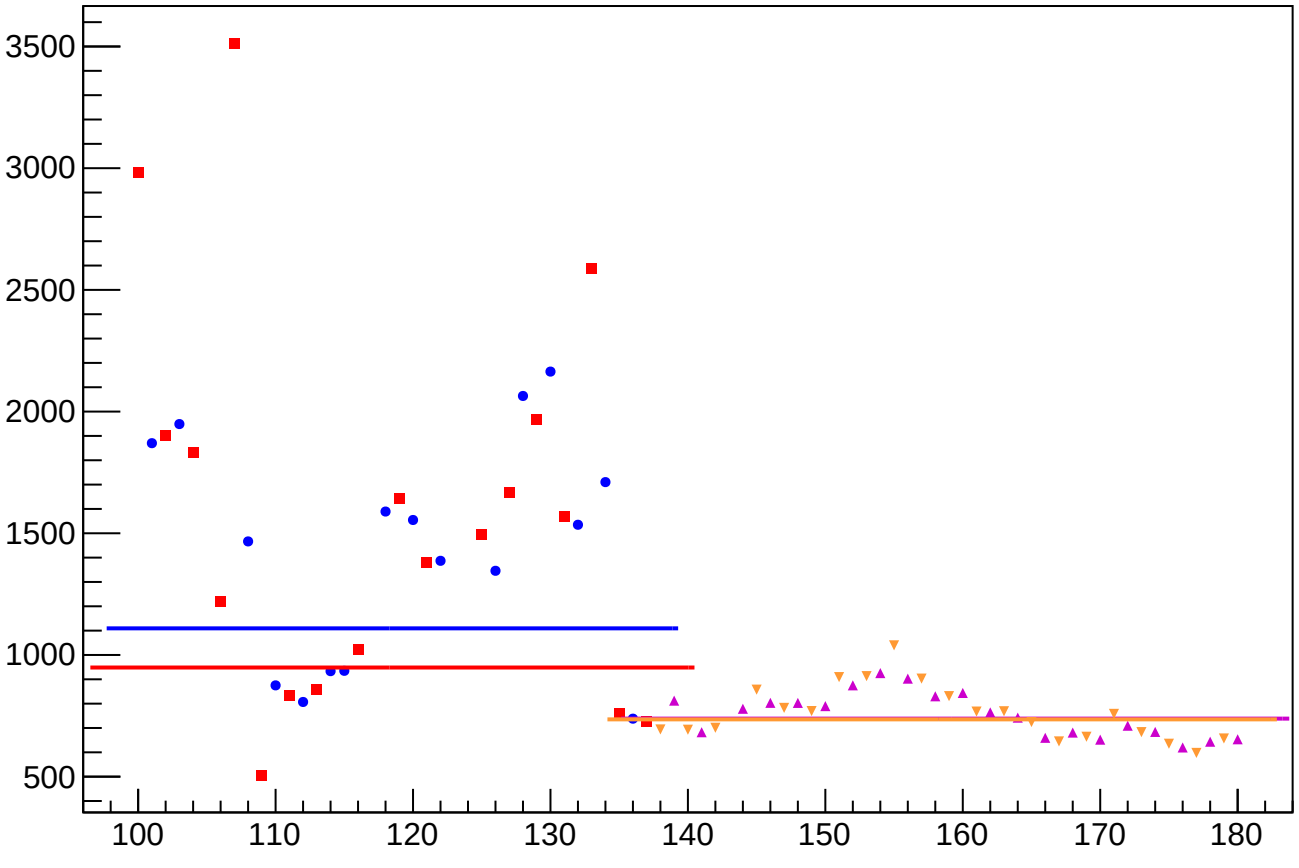
Left: -274.379+/-127.815 χ^2/NDF: 95.0/41

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 122.601+/-166.375 χ^2/NDF:48.6/36

Out: -532.535+/-165.626 χ^2/NDF:81.6/38

All: -206.446+/-117.379 χ^2/NDF: 138.0/75



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 735.384+/-0.129 χ^2/NDF:617362.5/20

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 738.491+/-0.127 χ^2/NDF:461969.1/20

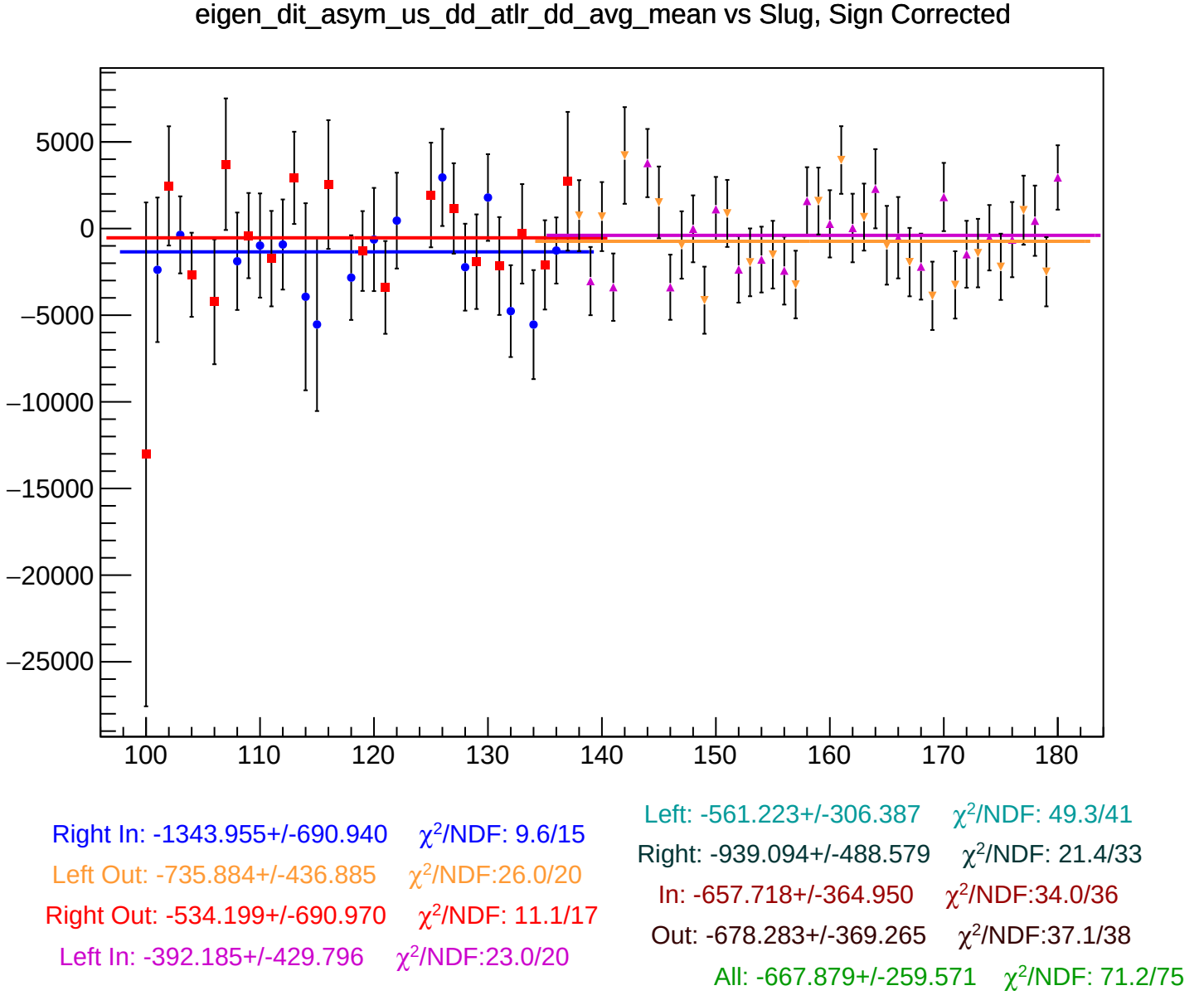
Left: 736.963+/-0.090 χ^2/NDF: 1079626.9/41

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 790.123+/-0.118 χ^2/NDF:3626262.8/36

Out: 772.432+/-0.117 χ^2/NDF:4146432.2/38

All: 781.237+/-0.083 χ^2/NDF: 7784053.2/75


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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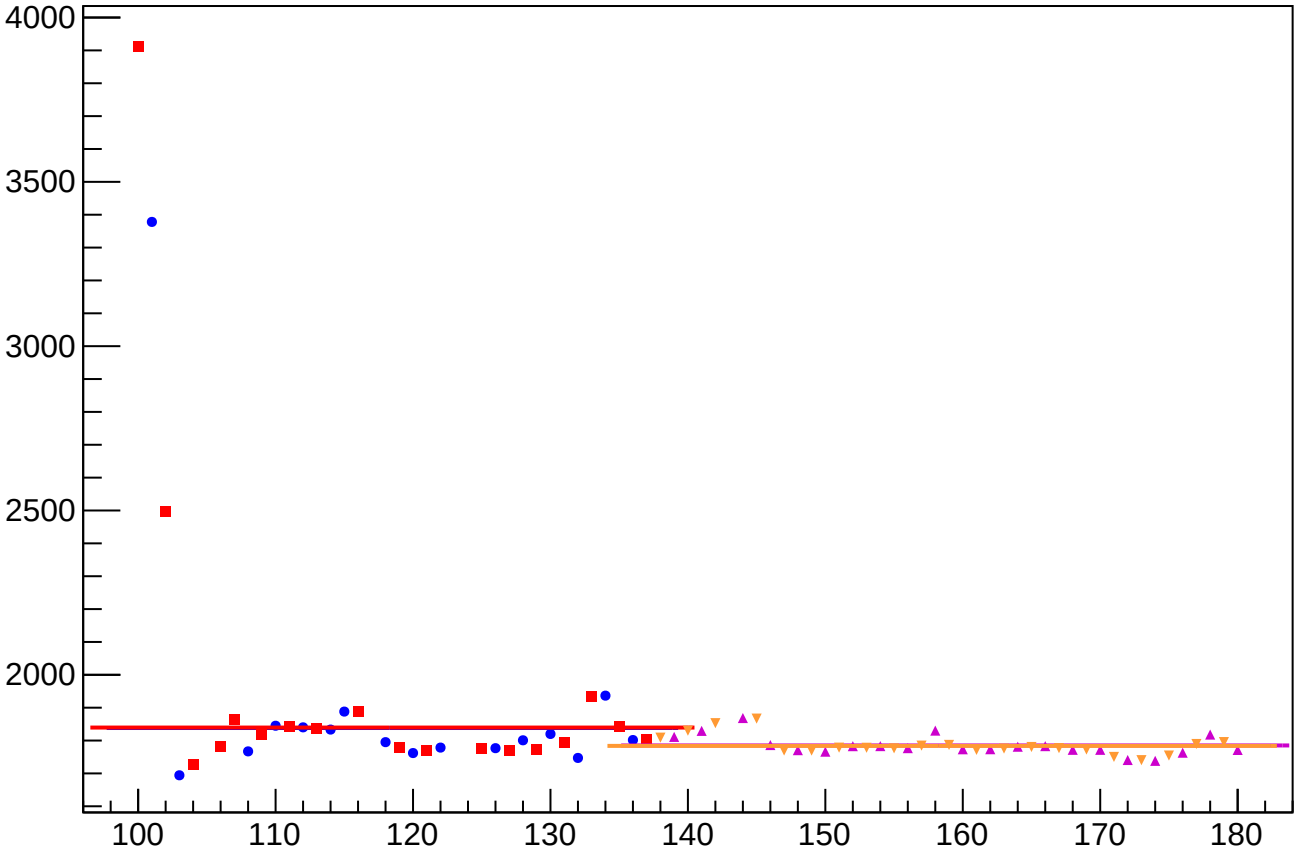
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -735.884+/-436.885 χ²/NDF:26.0/20
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -392.185+/-429.796 χ²/NDF:23.0/20
Left: -561.223+/-306.387 χ²/NDF: 49.3/41
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -657.718+/-364.950 χ²/NDF:34.0/36
Out: -678.283+/-369.265 χ²/NDF:37.1/38
All: -667.879+/-259.571 χ²/NDF: 71.2/75



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.076+/-0.304 χ^2/NDF:9873.4/20

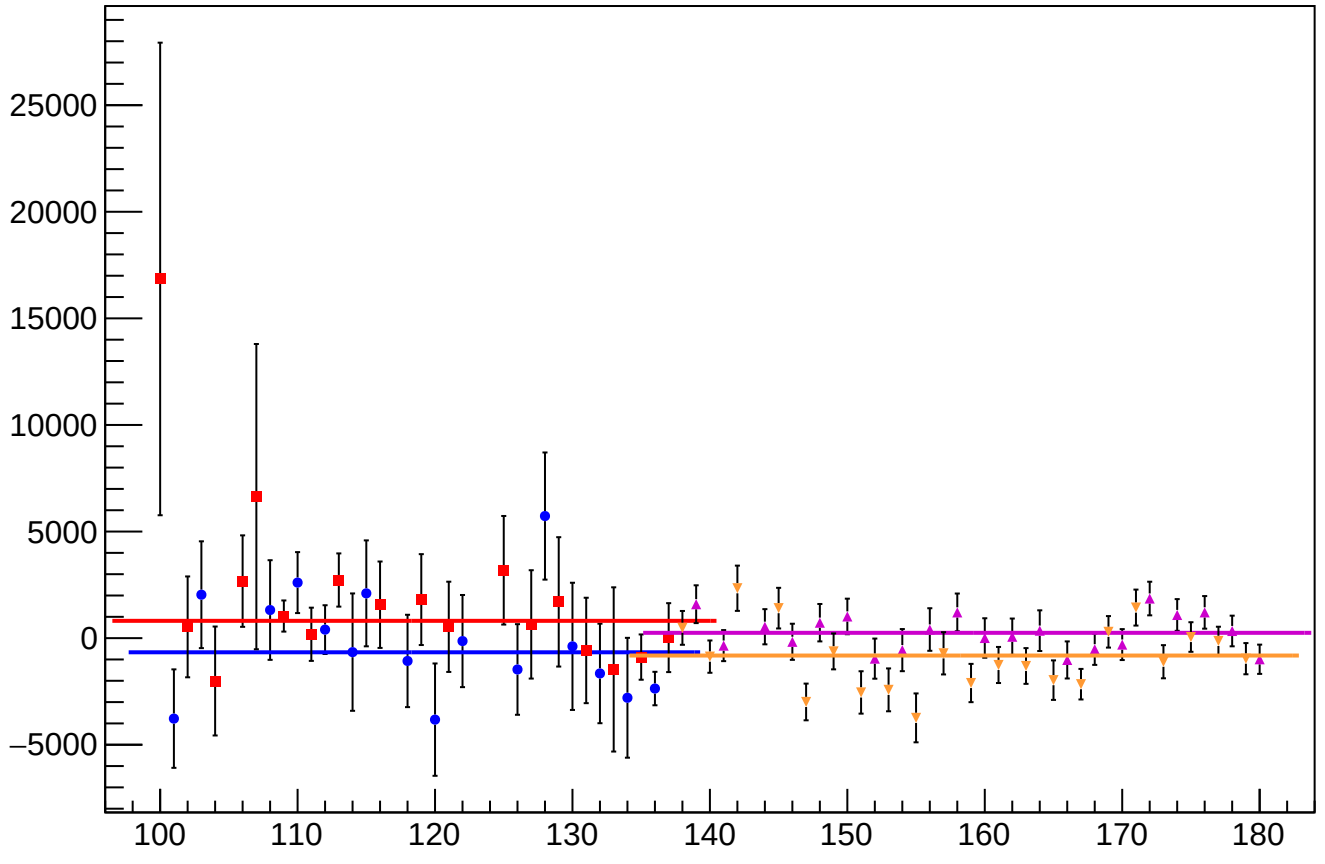
Left: 1784.427+/-0.217 χ^2/NDF: 18302.7/41

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1799.886+/-0.258 χ^2/NDF:310368.8/36

Out: 1799.681+/-0.261 χ^2/NDF:145979.0/38

All: 1799.785+/-0.184 χ^2/NDF: 456348.0/75



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -815.586+/-182.225 χ^2/NDF:55.4/20

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 249.737+/-179.326 χ^2/NDF:22.2/20

Left: -274.380+/-127.815 χ^2/NDF: 95.0/41

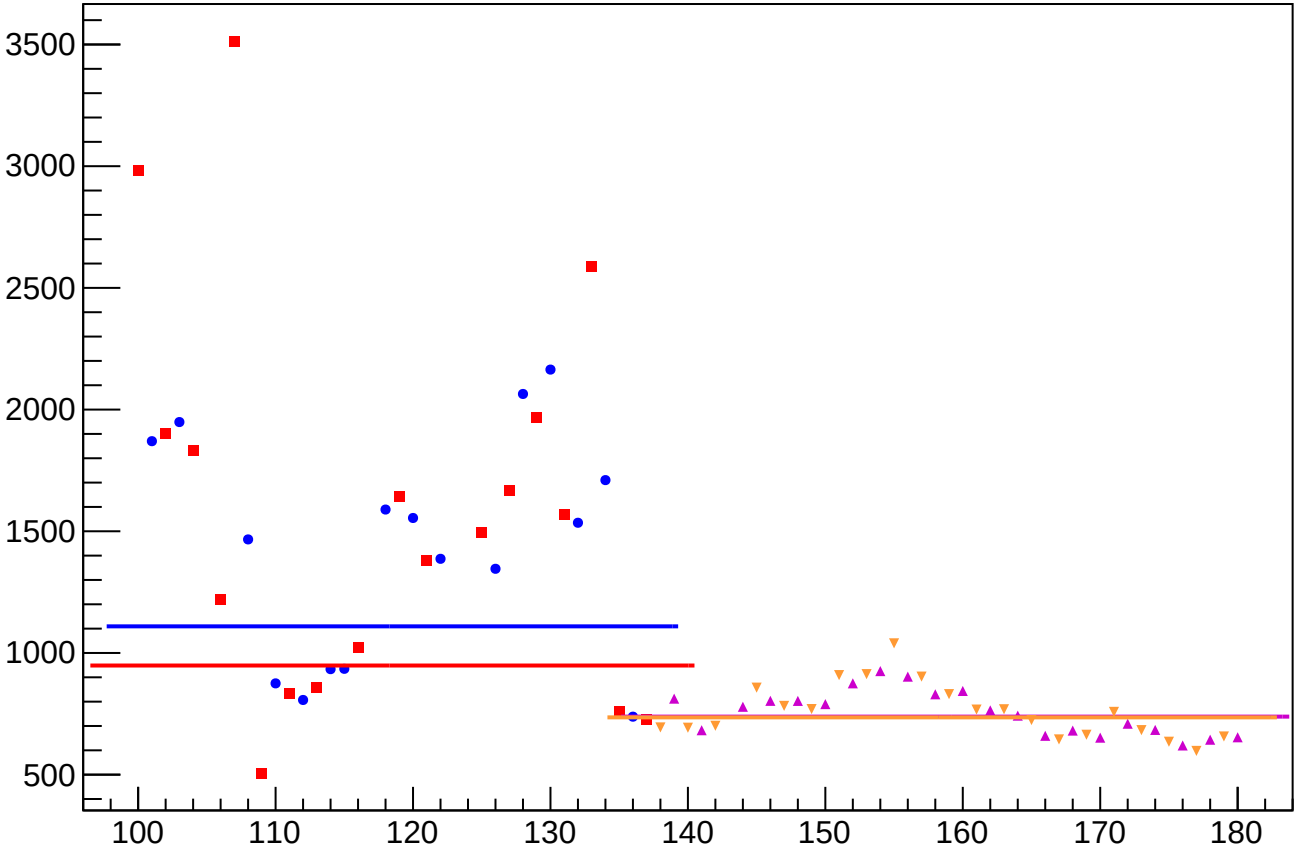
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 122.601+/-166.375 χ^2/NDF:48.6/36

Out: -532.536+/-165.626 χ^2/NDF:81.6/38

All: -206.446+/-117.379 χ^2/NDF: 138.0/75

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 735.384+/-0.129 χ^2/NDF:617359.0/20

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 738.491+/-0.127 χ^2/NDF:461981.0/20

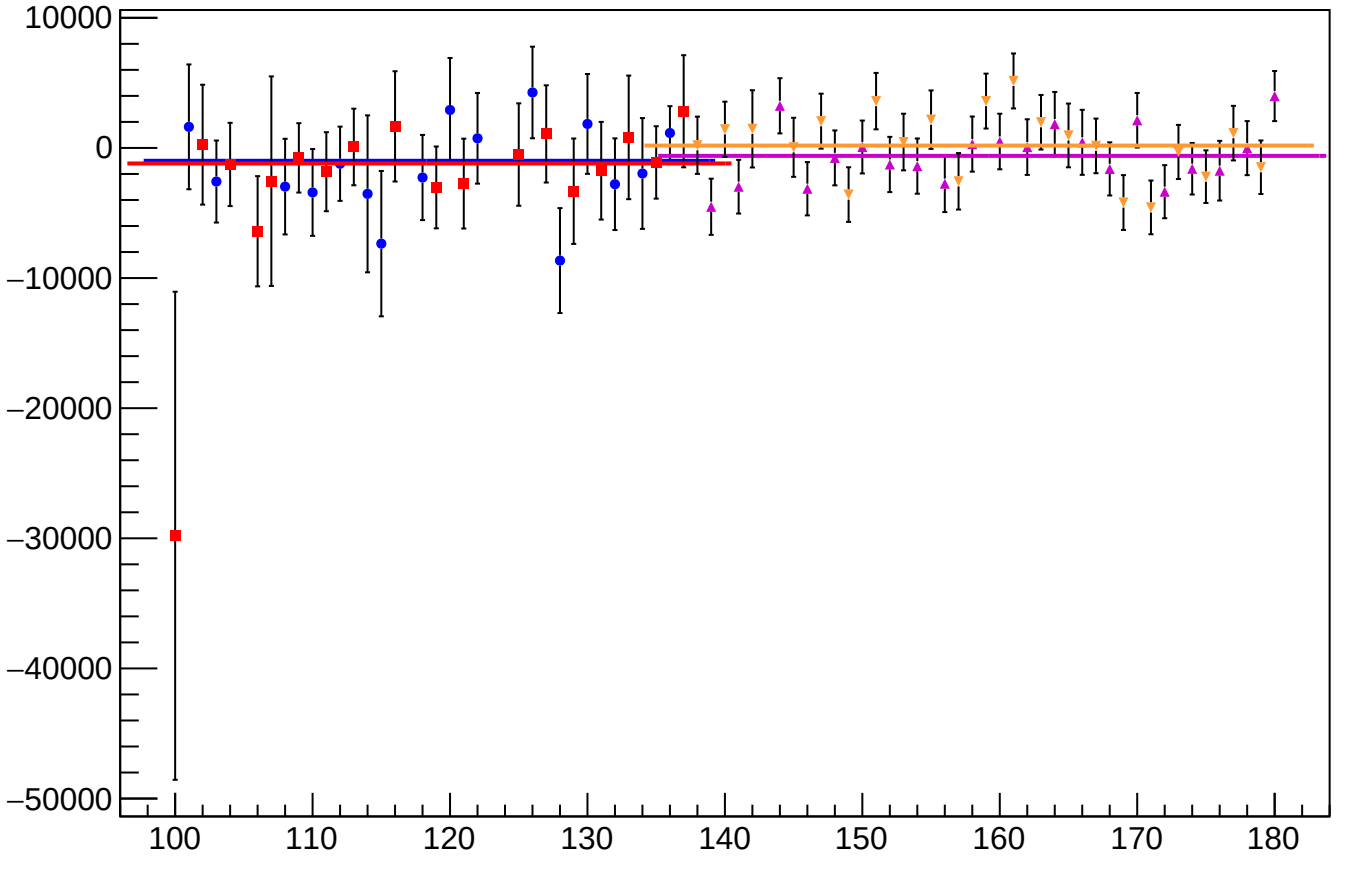
Left: 736.962+/-0.090 χ^2/NDF: 1079635.2/41

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 790.123+/-0.118 χ^2/NDF:3626255.7/36

Out: 772.432+/-0.117 χ^2/NDF:4146411.5/38

All: 781.238+/-0.083 χ^2/NDF: 7784024.4/75



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 182.339+/-471.811 χ^2/NDF:30.4/20

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -608.475+/-462.804 χ^2/NDF:22.5/20

Left: -220.688+/-330.390 χ^2/NDF: 54.2/41

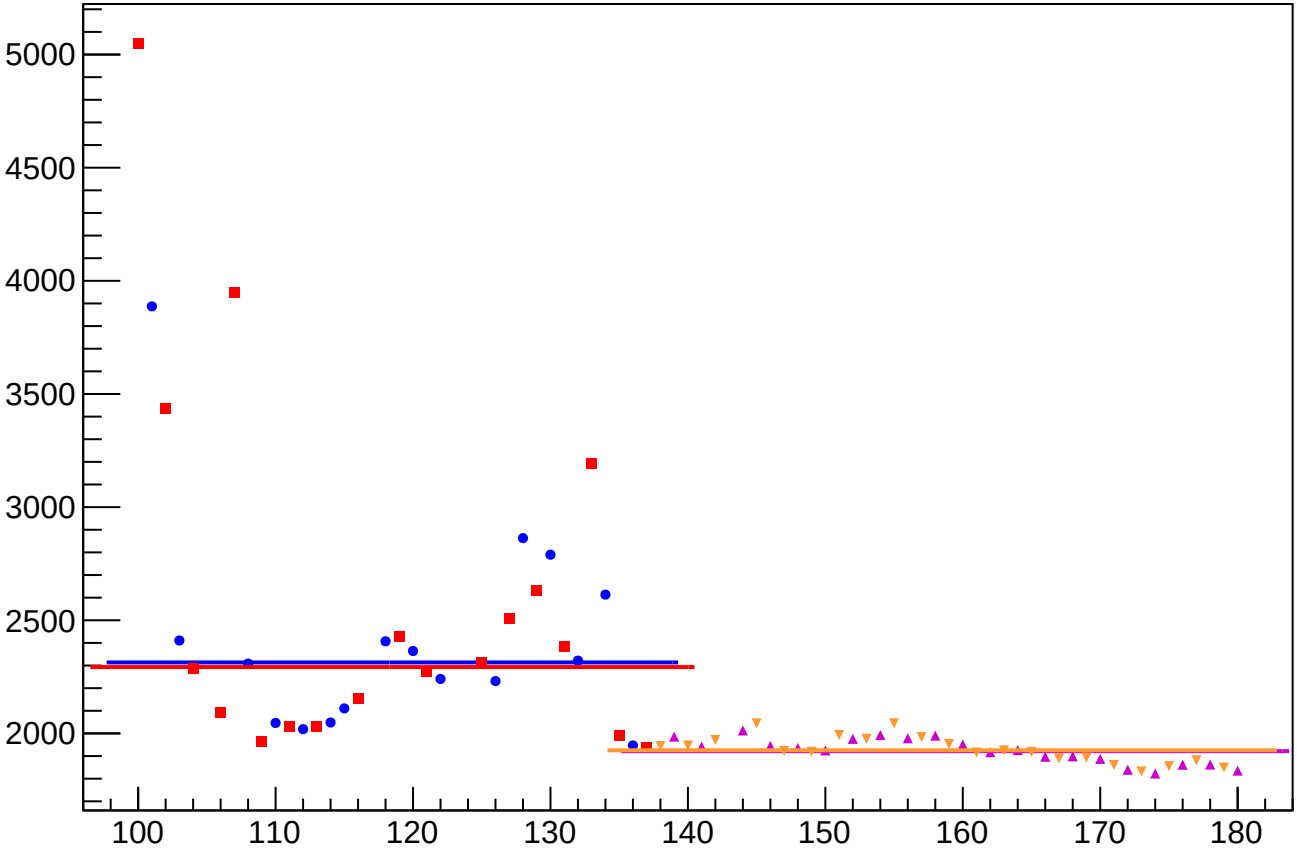
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -691.509+/-408.985 χ^2/NDF:34.6/36

Out: -129.797+/-414.794 χ^2/NDF:39.3/38

All: -414.614+/-291.228 χ^2/NDF: 74.8/75

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: 1925.659+/-0.334 χ^2/NDF:30018.5/20

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1921.545+/-0.327 χ^2/NDF:29637.1/20

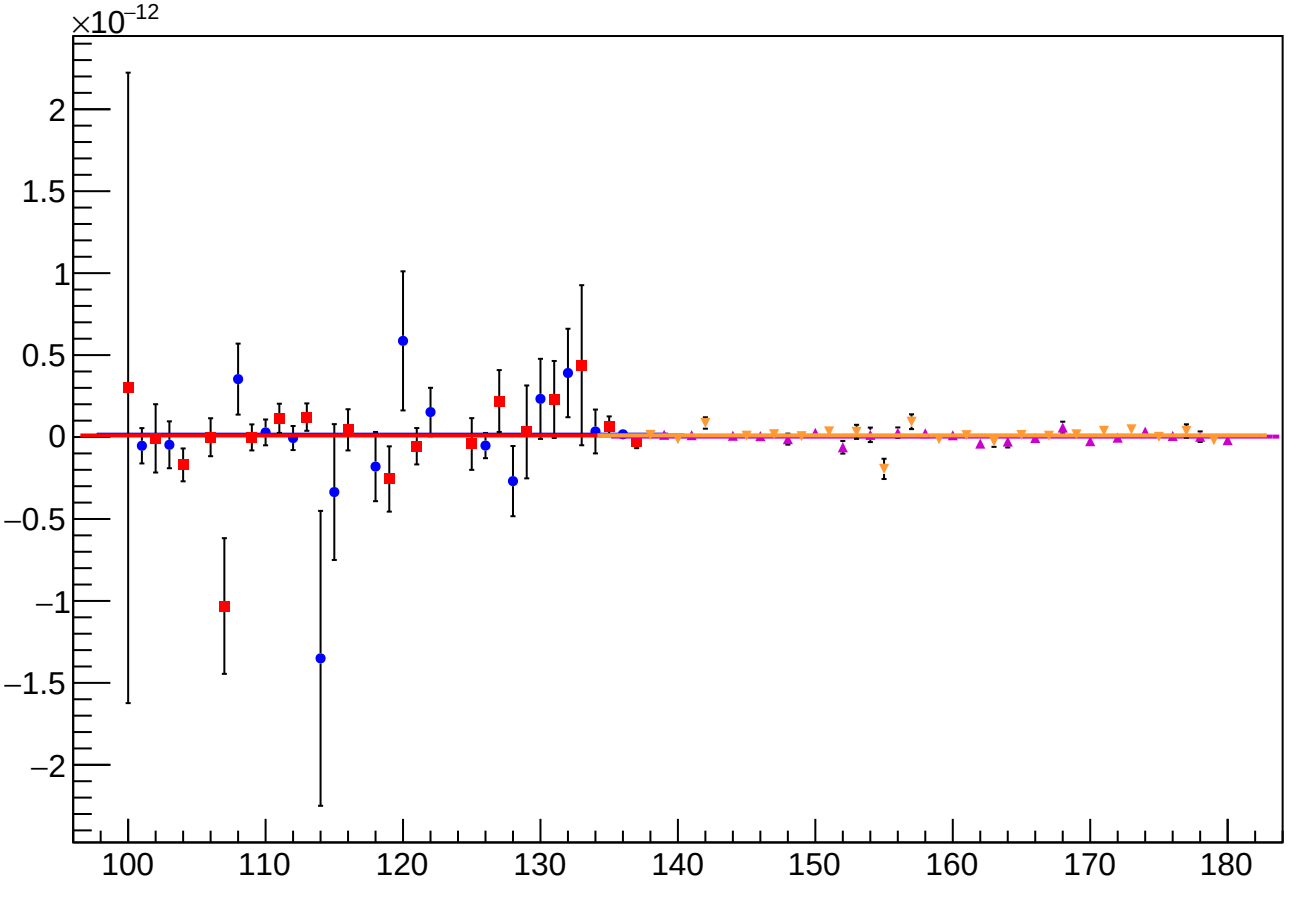
Left: 1923.562+/-0.234 χ^2/NDF: 59733.1/41

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2007.457+/-0.289 χ^2/NDF:747019.7/36

Out: 2009.141+/-0.293 χ^2/NDF:758948.4/38

All: 2008.288+/-0.206 χ^2/NDF: 1505984.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:17.9/20

Left: 0.000+/-0.000 χ^2/NDF: 51.0/41

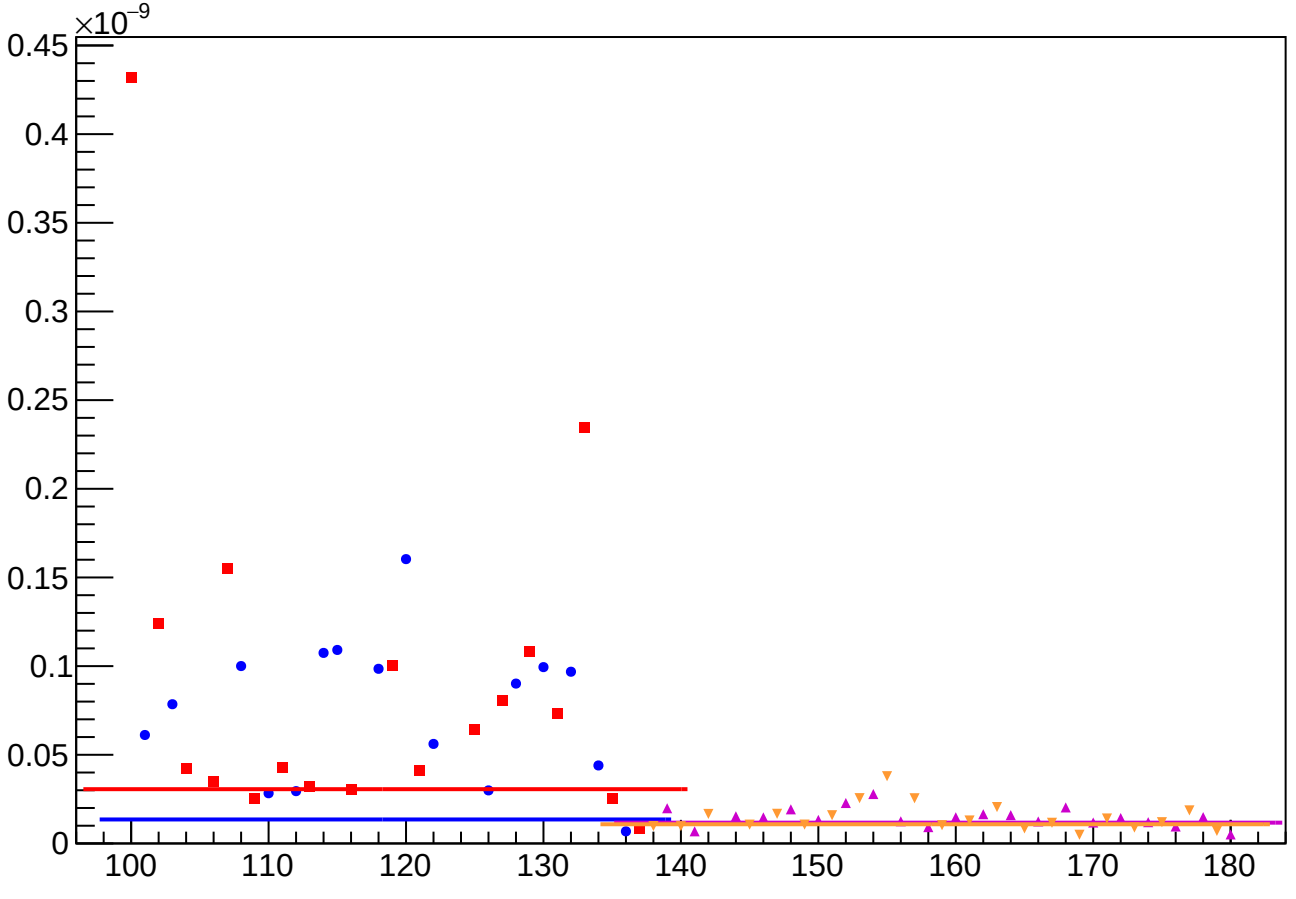
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:33.5/36

Out: 0.000+/-0.000 χ^2/NDF:51.5/38

All: 0.000+/-0.000 χ^2/NDF: 85.8/75

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:1881214.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1805933.9/20

Left: 0.000+/-0.000 χ^2/NDF: 3717978.9/41

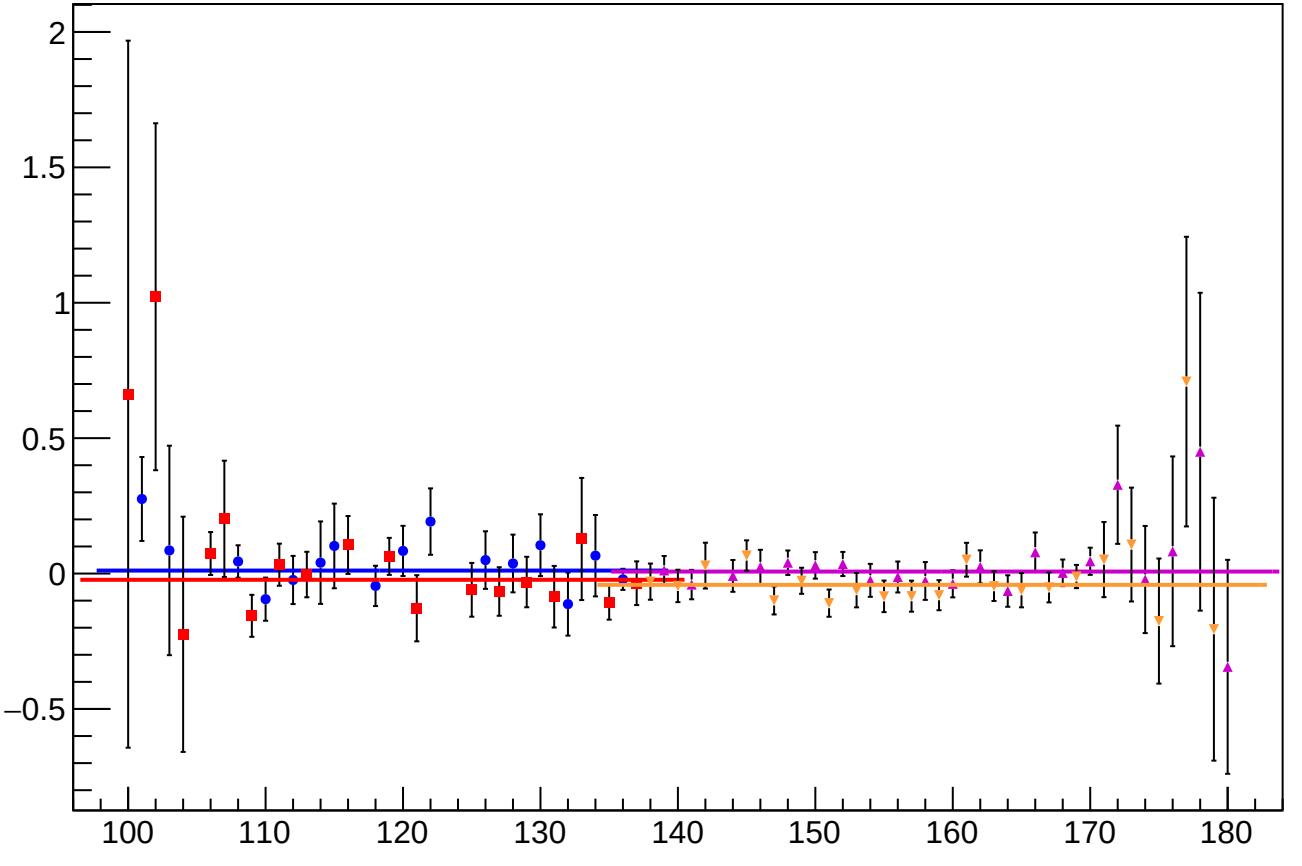
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:5251139.0/36

Out: 0.000+/-0.000 χ^2/NDF:5523523.1/38

All: 0.000+/-0.000 χ^2/NDF: 10778699.1/75

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: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:10.3/20

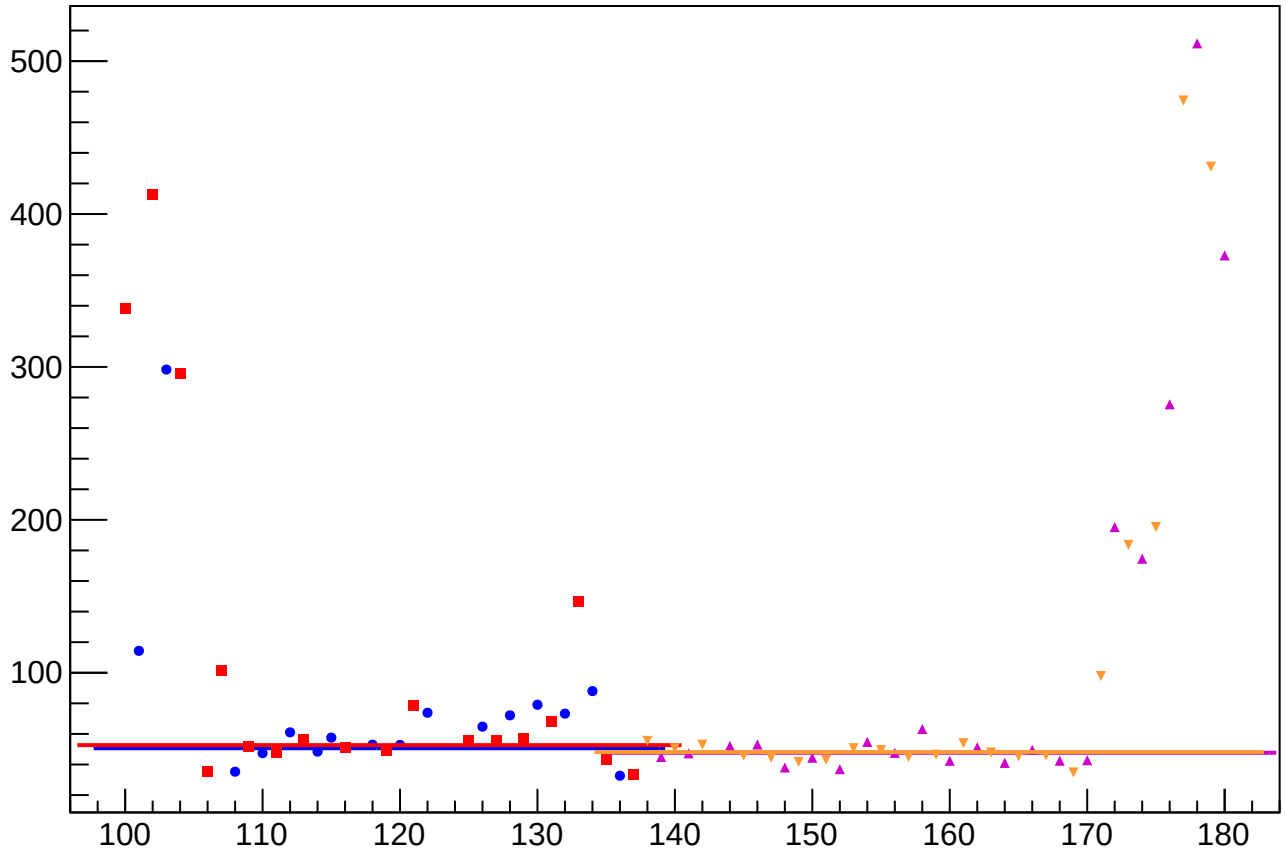
Left: -0.016+/-0.010 χ^2/NDF: 32.1/41

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.0/36

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 61.3/75



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

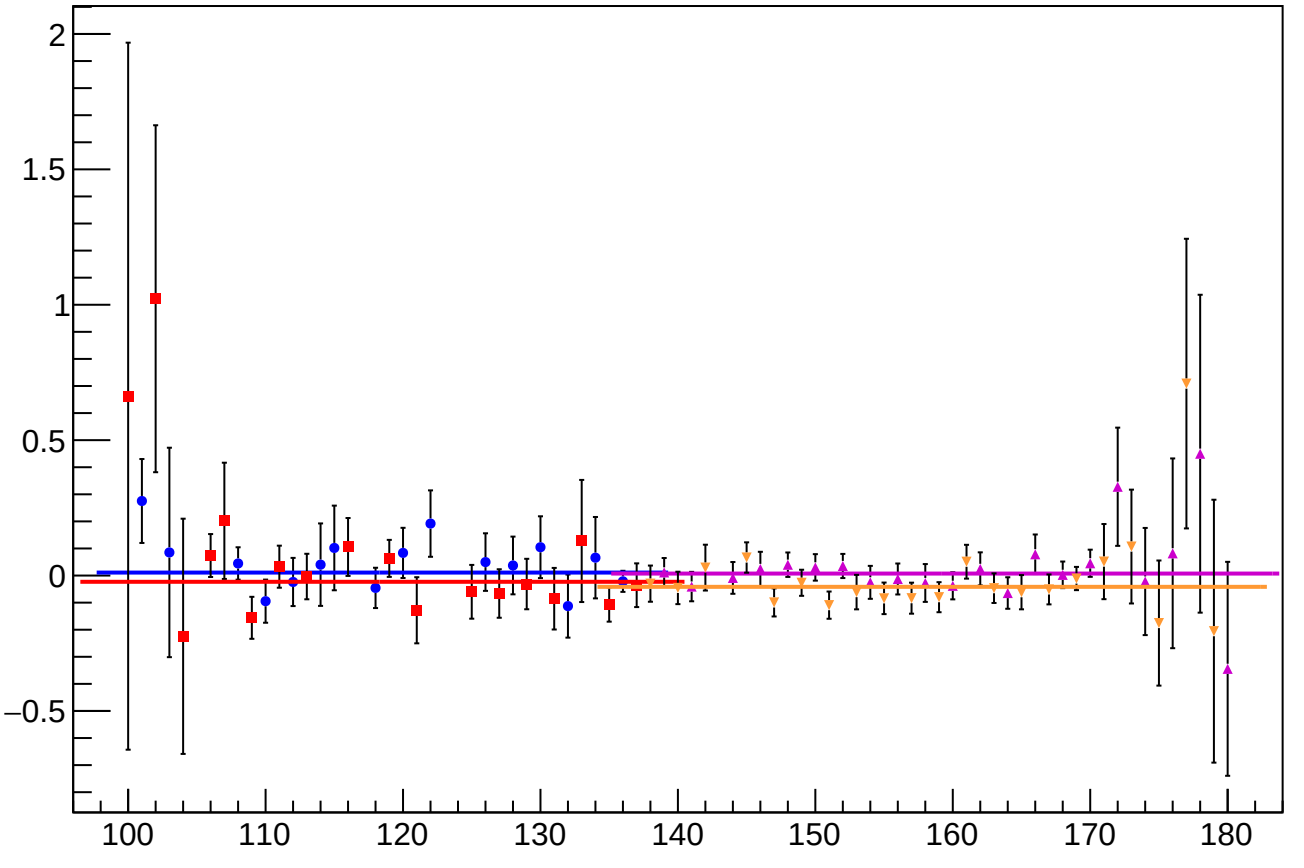
Left: 47.890+/-0.007 χ^2/NDF: 10404788.0/41

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.504+/-0.008 χ^2/NDF:7951144.6/36

Out: 49.325+/-0.008 χ^2/NDF:7014564.2/38

All: 48.900+/-0.006 χ^2/NDF: 14970608.1/75



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:10.3/20

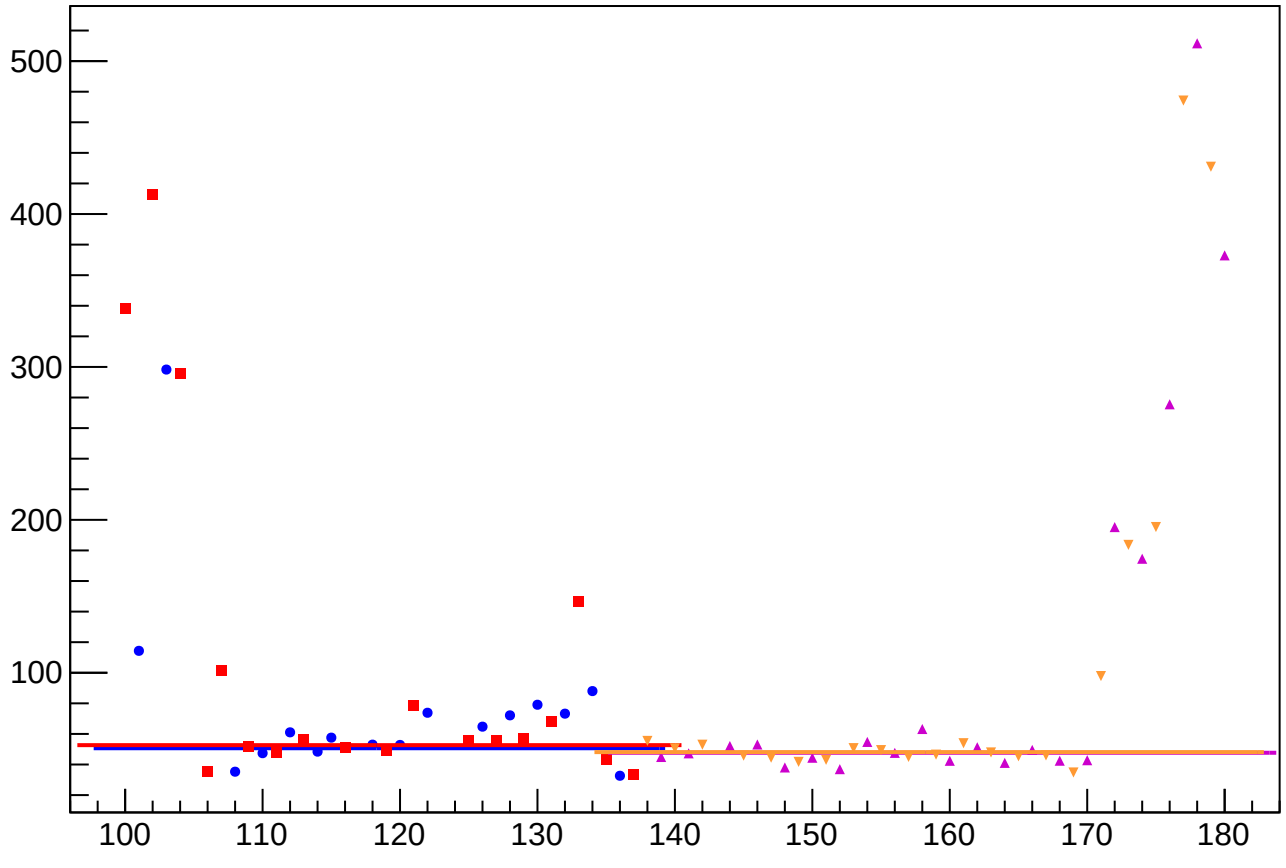
Left: -0.016+/-0.010 χ^2/NDF: 32.1/41

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.0/36

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 61.3/75



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.684+/-0.010 χ^2/NDF:5658193.4/20

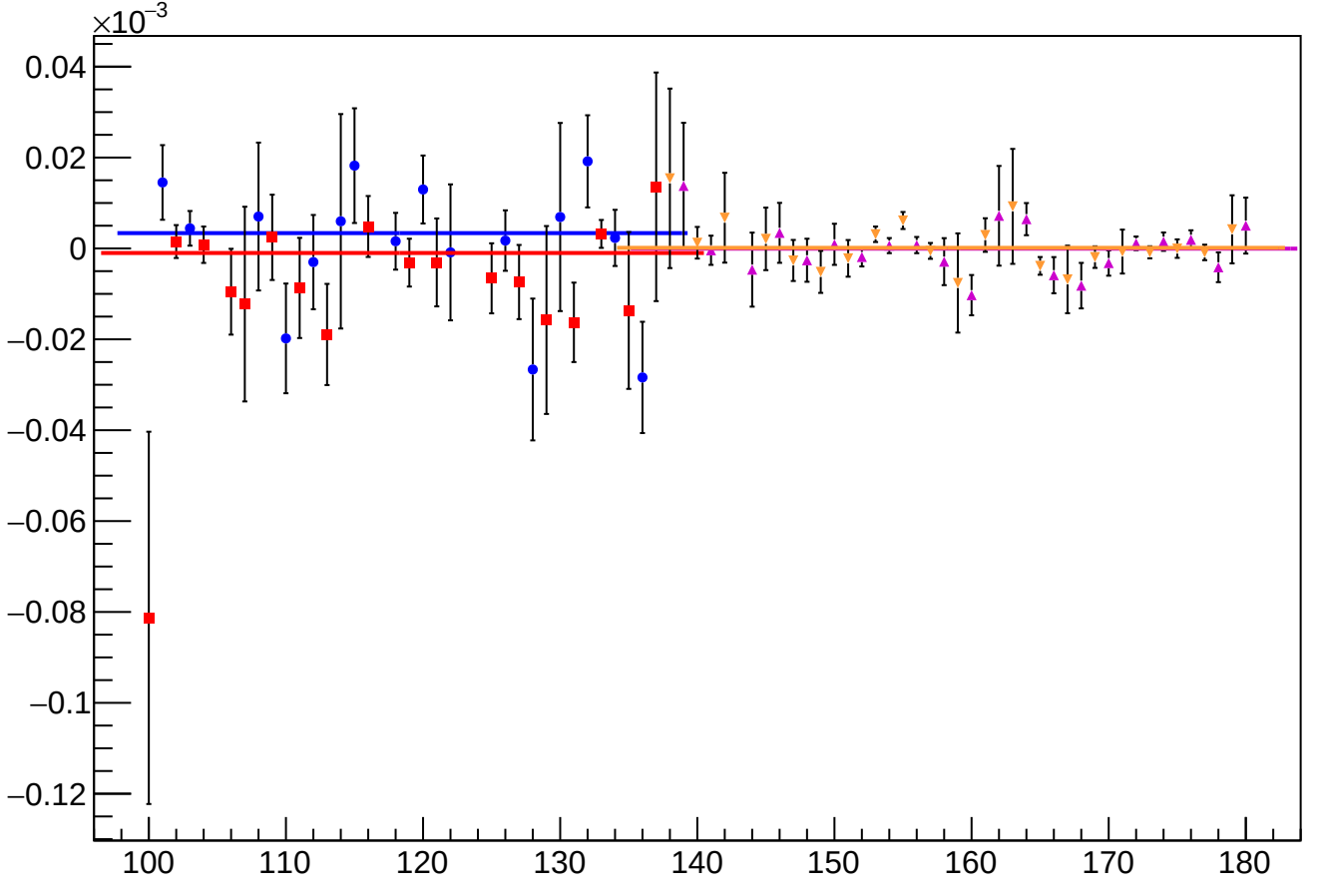
Left: 47.890+/-0.007 χ^2/NDF: 10404788.0/41

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.504+/-0.008 χ^2/NDF:7951144.6/36

Out: 49.325+/-0.008 χ^2/NDF:7014564.2/38

All: 48.900+/-0.006 χ^2/NDF: 14970608.1/75



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:22.9/20

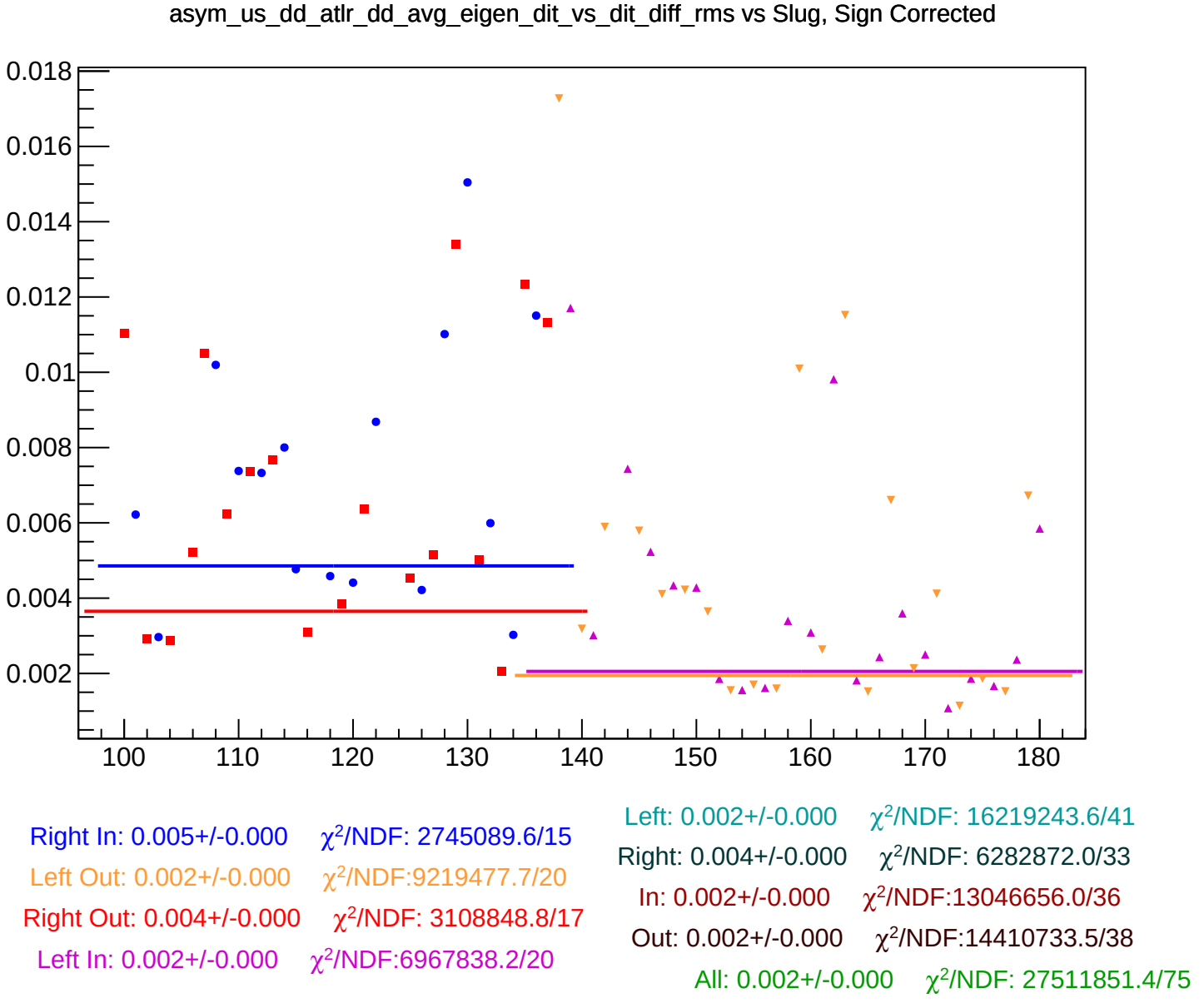
Left: 0.000+/-0.000 χ^2/NDF: 48.3/41

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

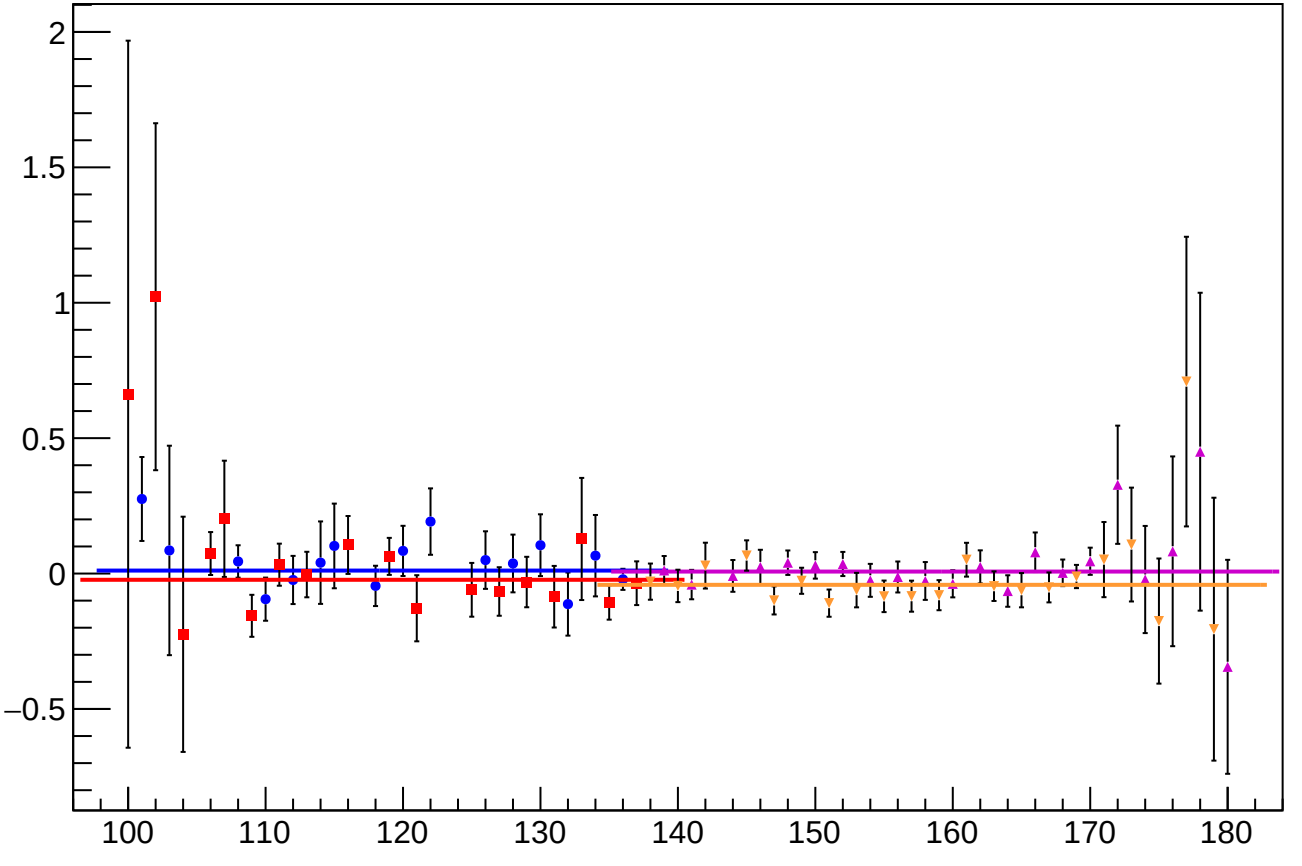
In: 0.000+/-0.000 χ^2/NDF:47.6/36

Out: -0.000+/-0.000 χ^2/NDF:43.1/38

All: 0.000+/-0.000 χ^2/NDF: 90.7/75


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:9219477.7/20
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:6967838.2/20
Left: 0.002+/-0.000 χ²/NDF: 16219243.6/41
Right: 0.004+/-0.000 χ²/NDF: 6282872.0/33
In: 0.002+/-0.000 χ²/NDF:13046656.0/36
Out: 0.002+/-0.000 χ²/NDF:14410733.5/38
All: 0.002+/-0.000 χ²/NDF: 27511851.4/75

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:10.3/20

Left: -0.016+/-0.010 χ^2/NDF: 32.1/41

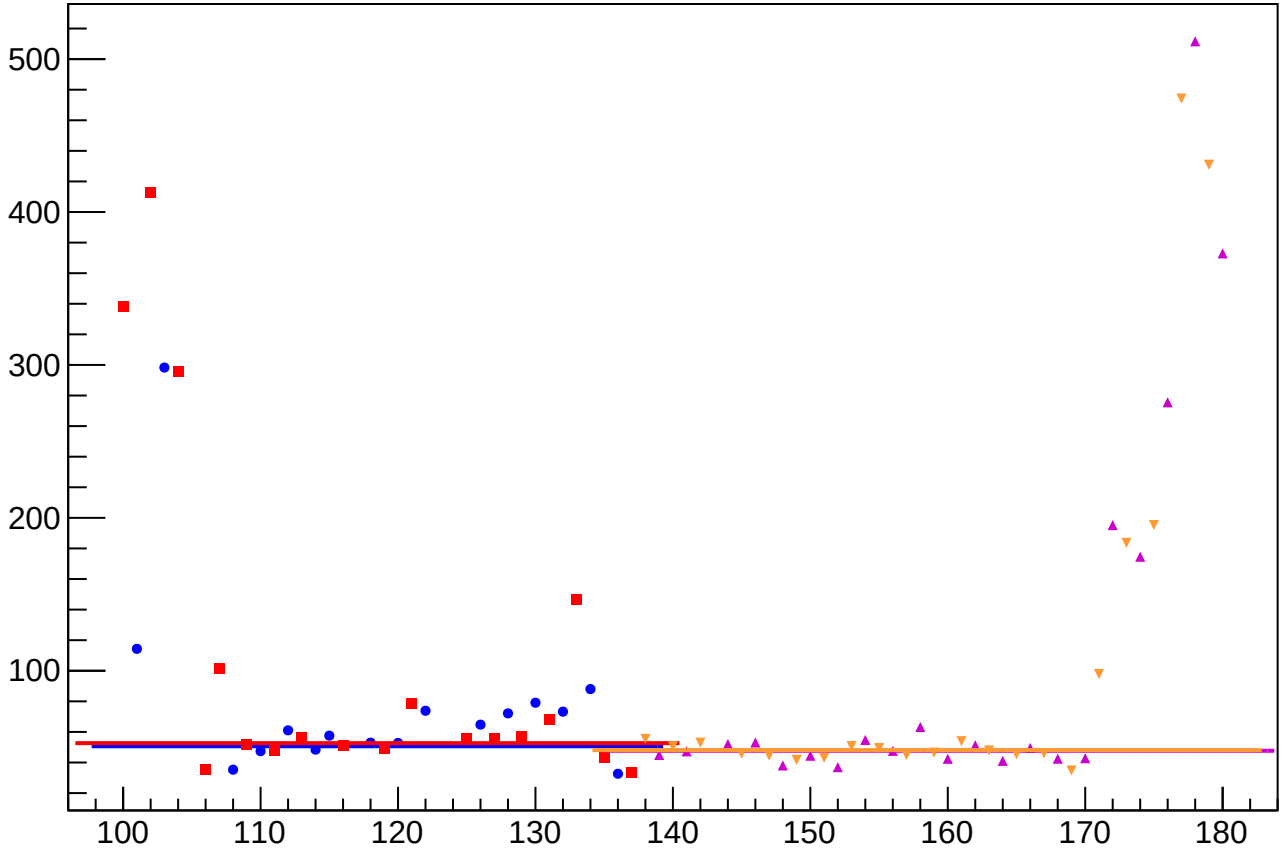
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.0/36

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 61.3/75

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: 48.109+/-0.010 χ^2/NDF:4745649.8/20

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

Left: 47.890+/-0.007 χ^2/NDF: 10404731.7/41

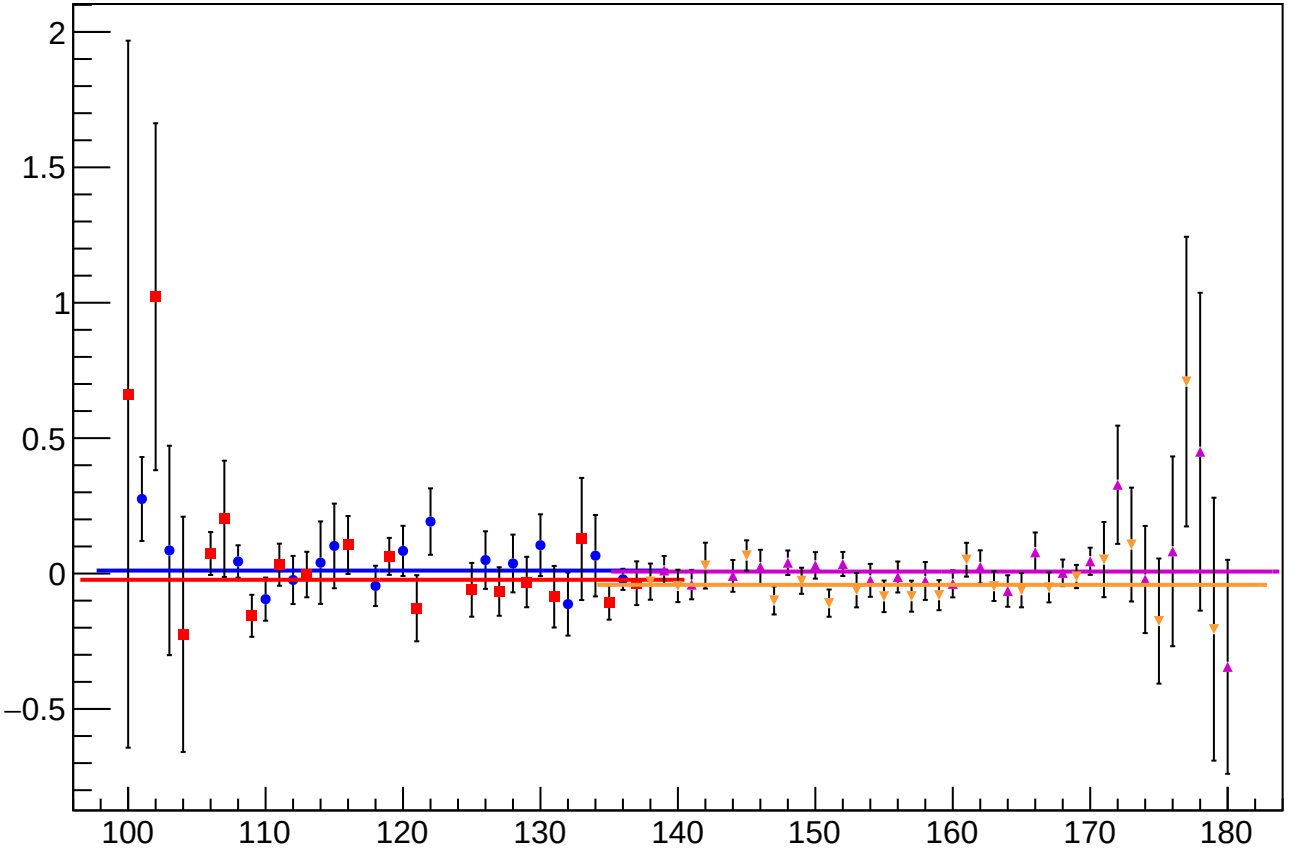
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.505+/-0.008 χ^2/NDF:7950981.1/36

Out: 49.325+/-0.008 χ^2/NDF:7014492.1/38

All: 48.900+/-0.006 χ^2/NDF: 14970368.2/75

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:10.3/20

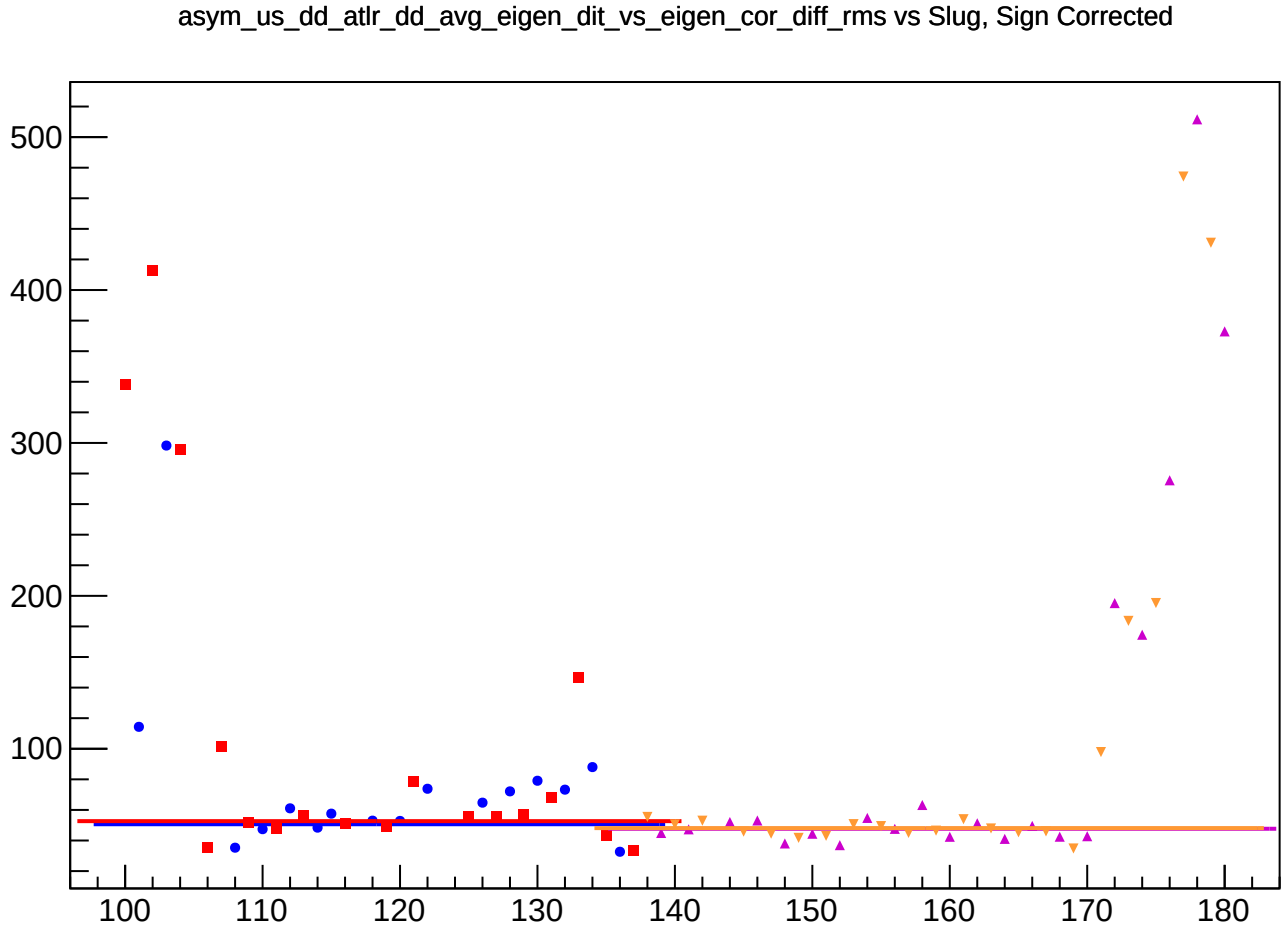
Left: -0.016+/-0.010 χ^2/NDF: 32.1/41

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:22.0/36

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 61.3/75



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.109+/-0.010 χ^2/NDF:4745649.8/20

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.684+/-0.010 χ^2/NDF:5658123.8/20

Left: 47.890+/-0.007 χ^2/NDF: 10404731.7/41

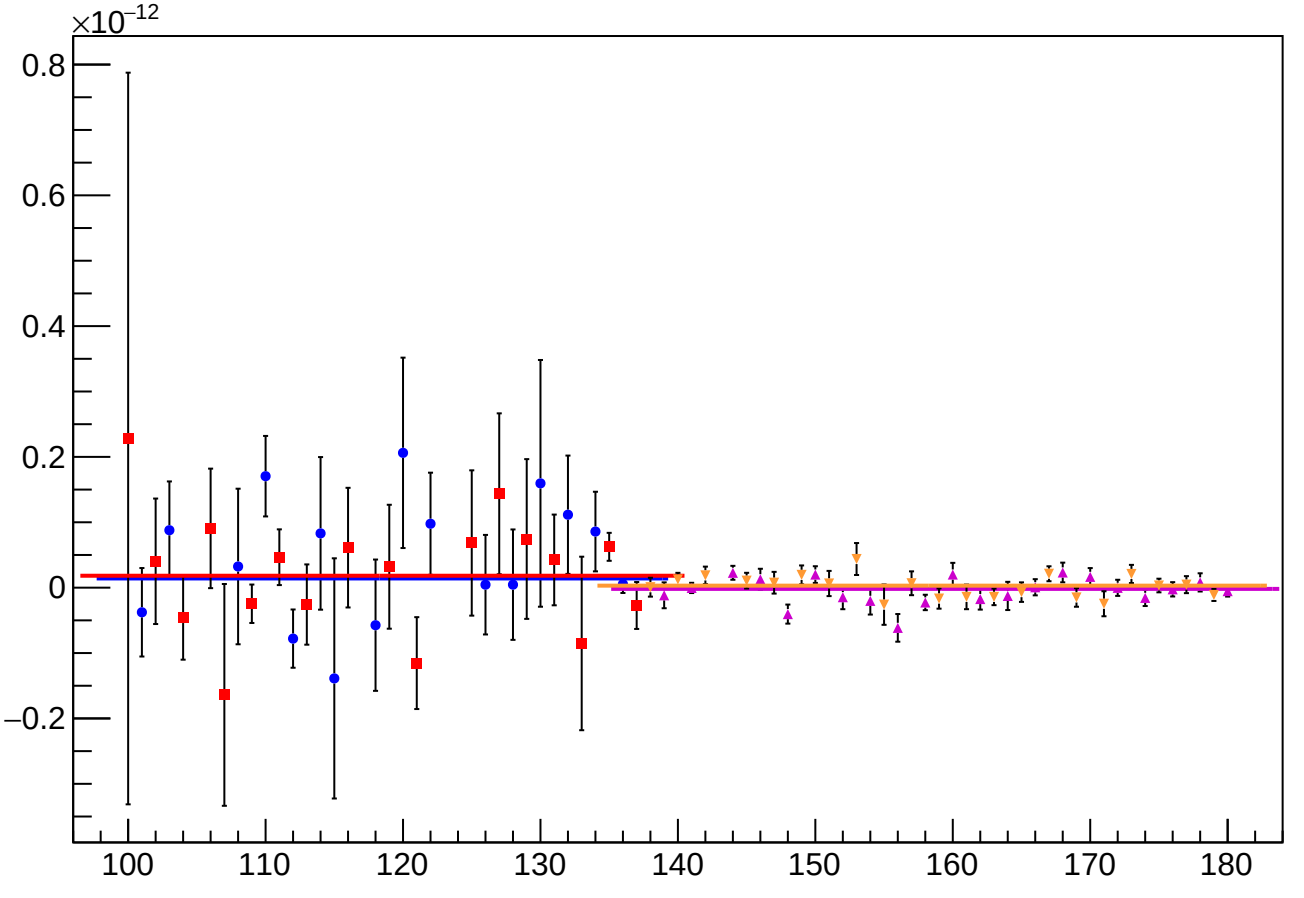
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.505+/-0.008 χ^2/NDF:7950981.1/36

Out: 49.325+/-0.008 χ^2/NDF:7014492.1/38

All: 48.900+/-0.006 χ^2/NDF: 14970368.2/75

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:38.0/20

Left: 0.000+/-0.000 χ^2/NDF: 62.3/41

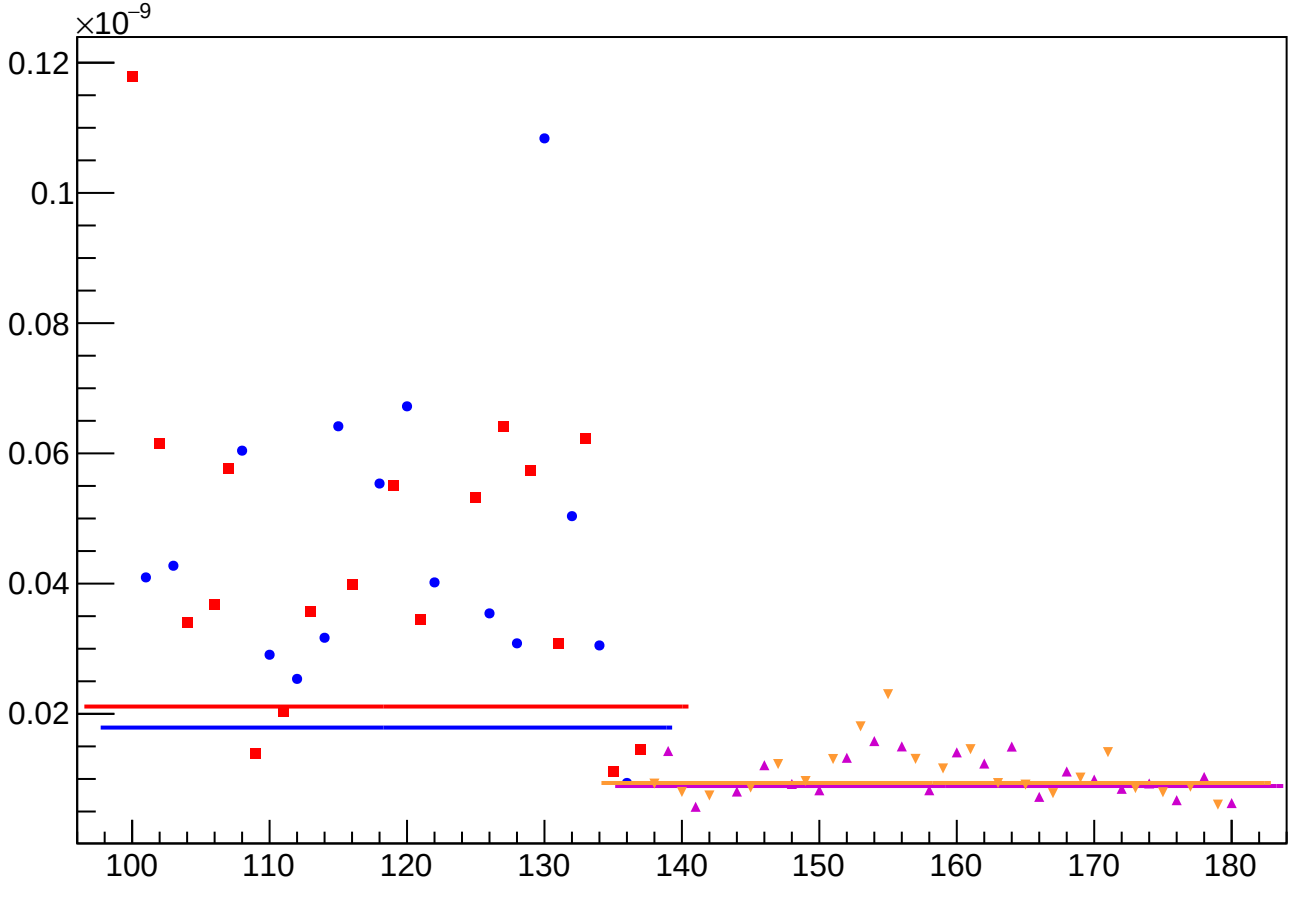
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:60.2/36

Out: 0.000+/-0.000 χ^2/NDF:42.3/38

All: 0.000+/-0.000 χ^2/NDF: 103.9/75

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617081.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1885890.6/20

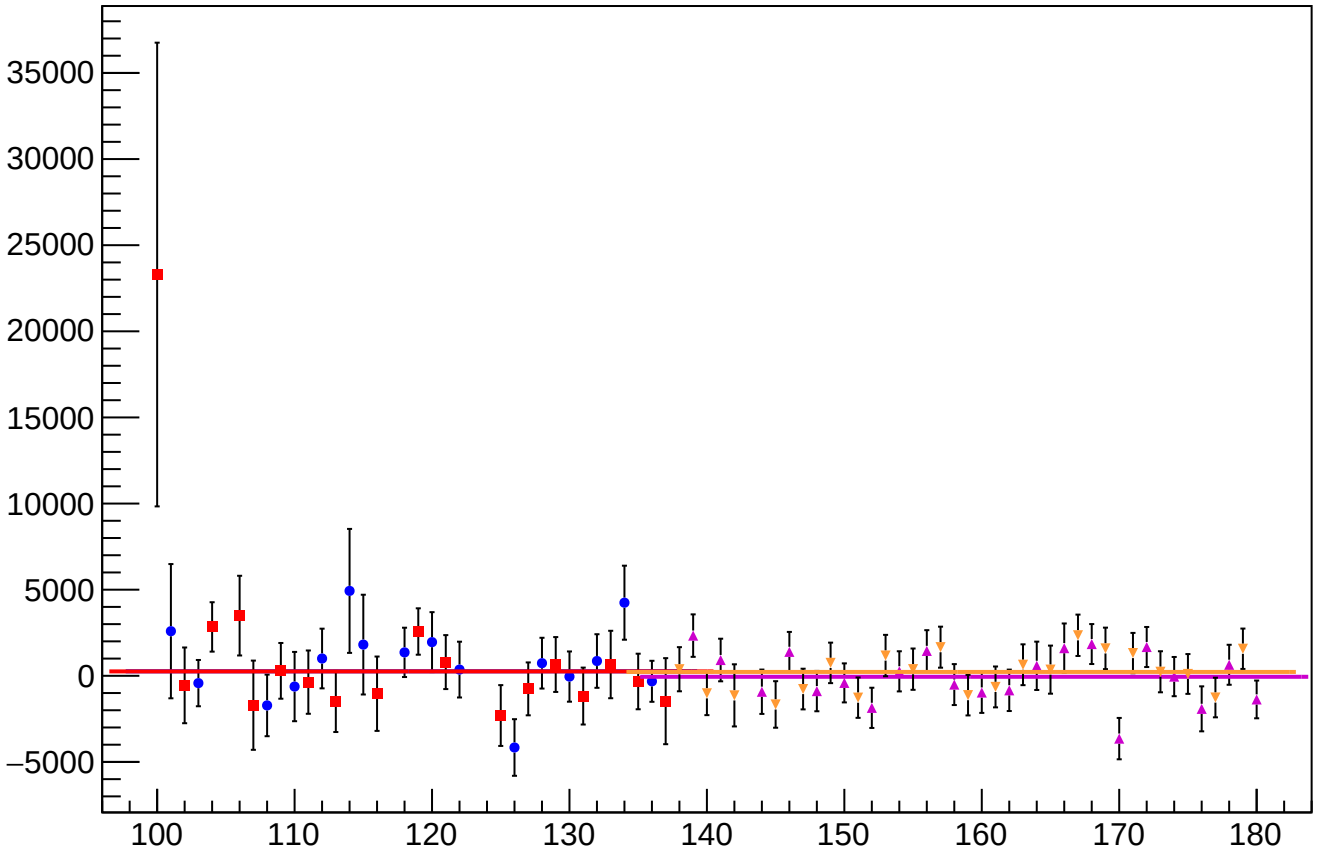
Left: 0.000+/-0.000 χ^2/NDF: 3528312.1/41

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6466934.6/36

Out: 0.000+/-0.000 χ^2/NDF:5896301.0/38

All: 0.000+/-0.000 χ^2/NDF: 12404740.3/75



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.098+/-266.733 χ^2/NDF:18.4/20

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -57.245+/-262.167 χ^2/NDF:31.4/20

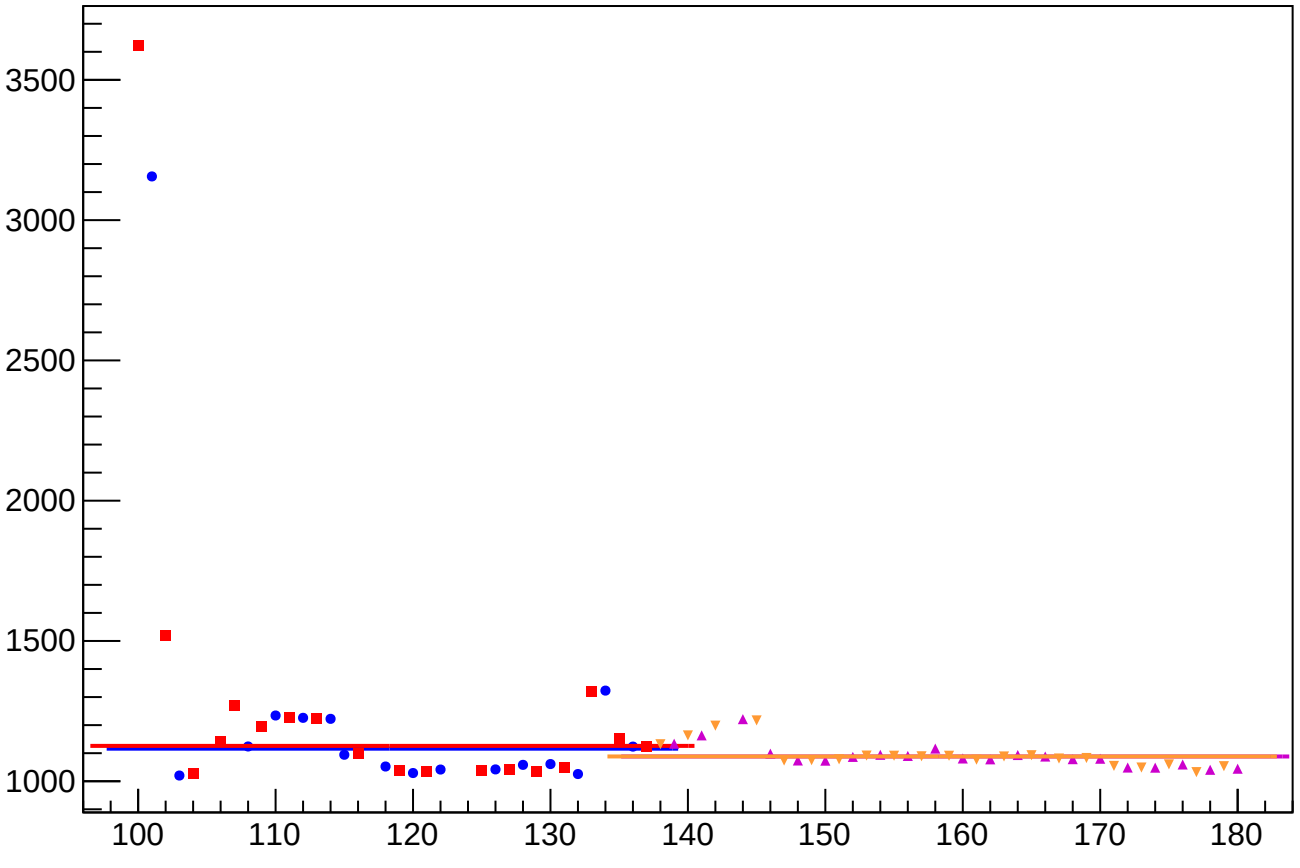
Left: 81.489+/-186.973 χ^2/NDF: 50.4/41

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 30.521+/-223.080 χ^2/NDF:48.8/36

Out: 233.788+/-226.041 χ^2/NDF:35.8/38

All: 130.814+/-158.778 χ^2/NDF: 84.9/75



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

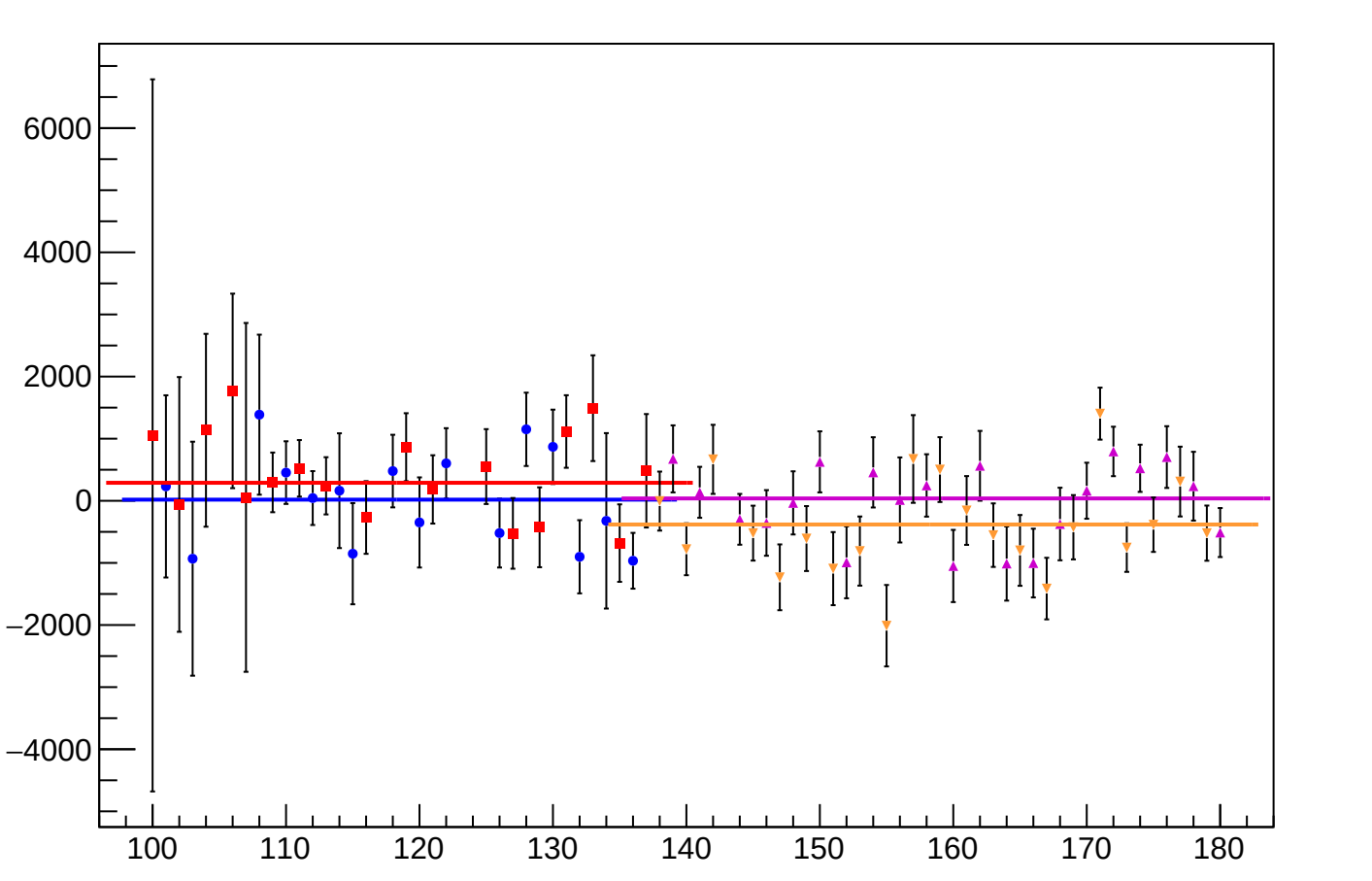
Left: 1088.290+/-0.132 χ^2/NDF: 93526.8/41

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1095.927+/-0.158 χ^2/NDF:675754.3/36

Out: 1098.958+/-0.160 χ^2/NDF:280742.0/38

All: 1097.423+/-0.112 χ^2/NDF: 956678.5/75



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -381.630+/-109.425 χ^2/NDF:47.1/20

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 37.848+/-107.727 χ^2/NDF:28.7/20

Left: -168.611+/-76.768 χ^2/NDF: 83.3/41

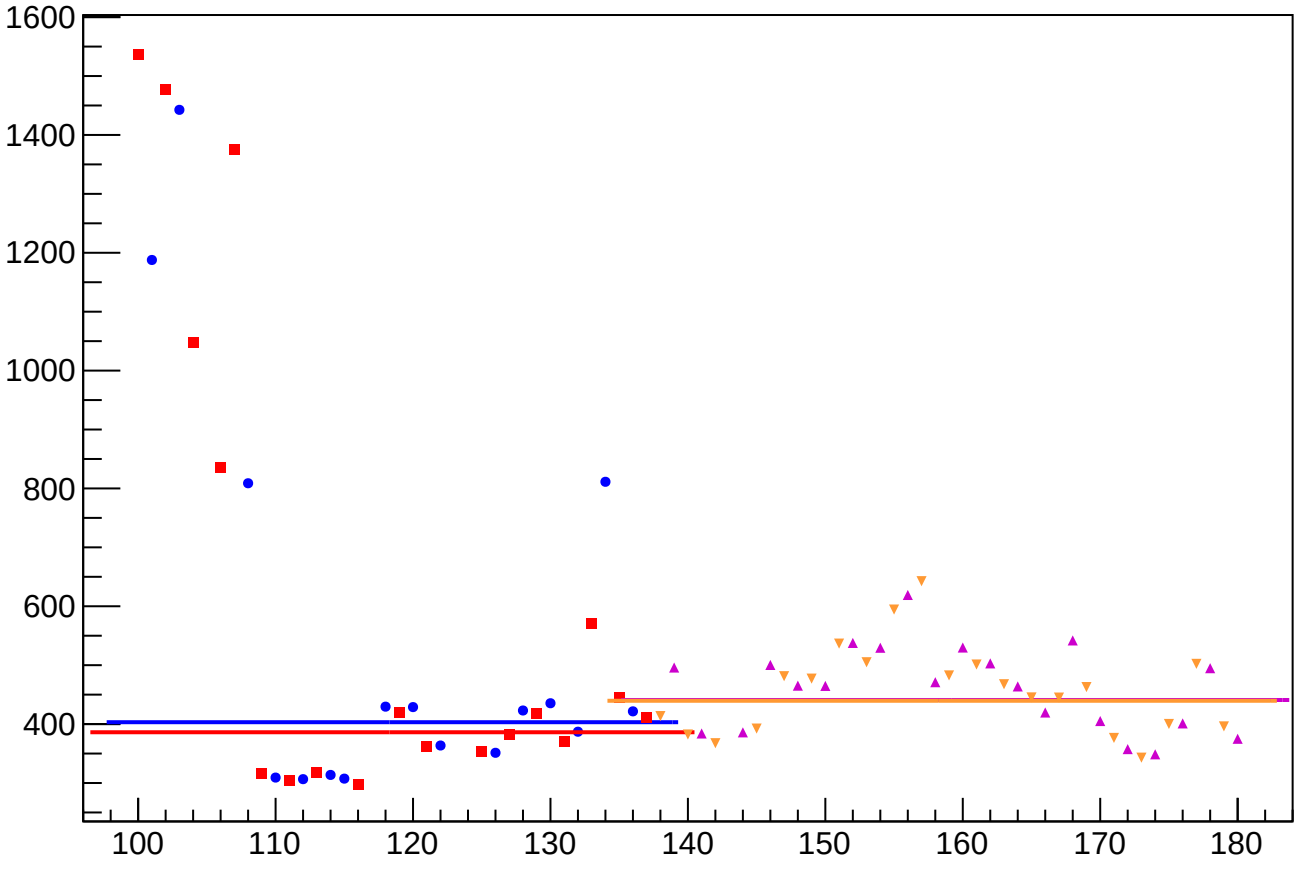
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 31.867+/-89.574 χ^2/NDF:47.9/36

Out: -160.523+/-89.620 χ^2/NDF:73.0/38

All: -64.279+/-63.354 χ^2/NDF: 123.2/75

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.585+/-0.077 χ^2/NDF:757931.2/20

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 440.902+/-0.076 χ^2/NDF:820600.5/20

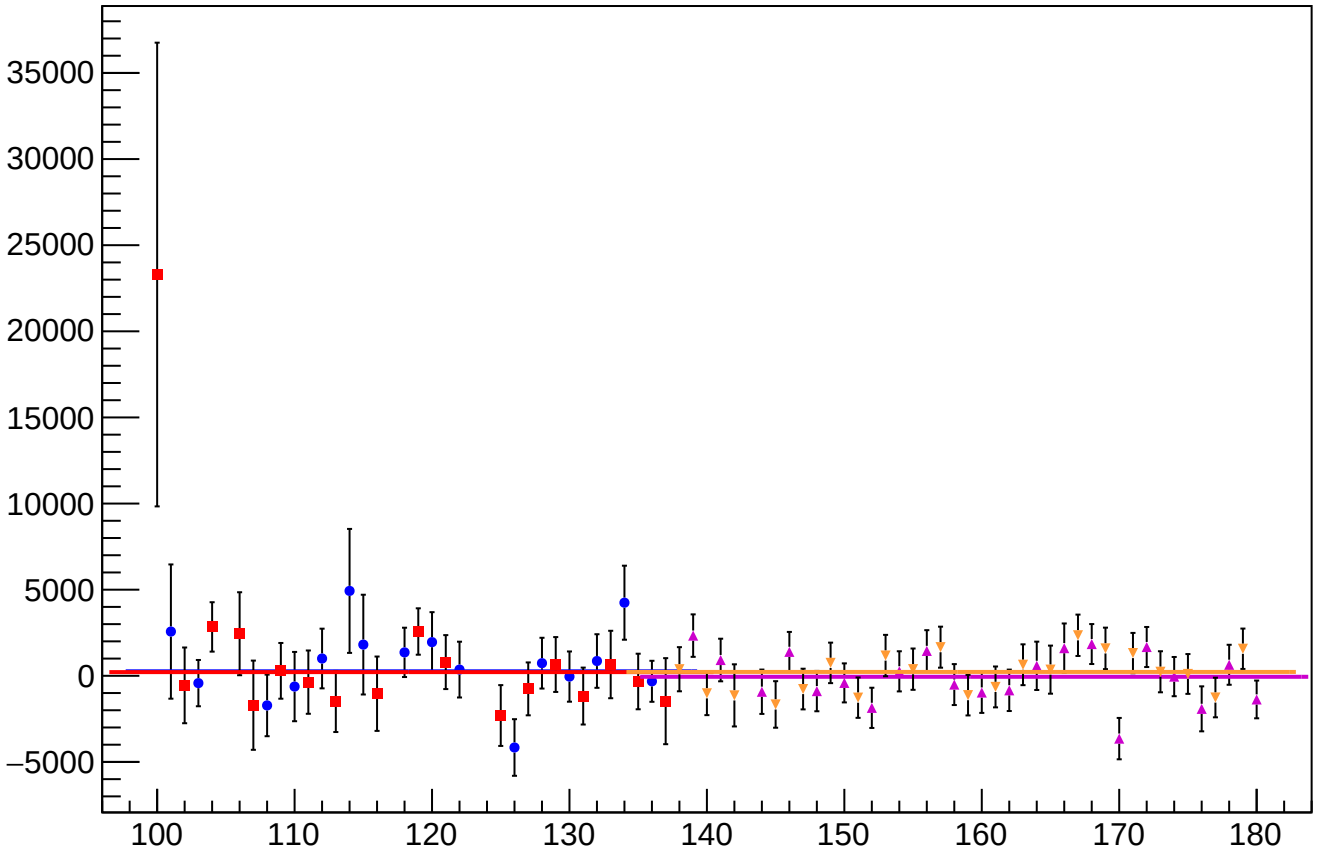
Left: 440.254+/-0.054 χ^2/NDF: 1578678.8/41

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 429.265+/-0.063 χ^2/NDF:2704661.5/36

Out: 421.991+/-0.063 χ^2/NDF:2674089.2/38

All: 425.630+/-0.045 χ^2/NDF: 5385340.7/75



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -57.266+/-262.167 χ^2/NDF:31.4/20

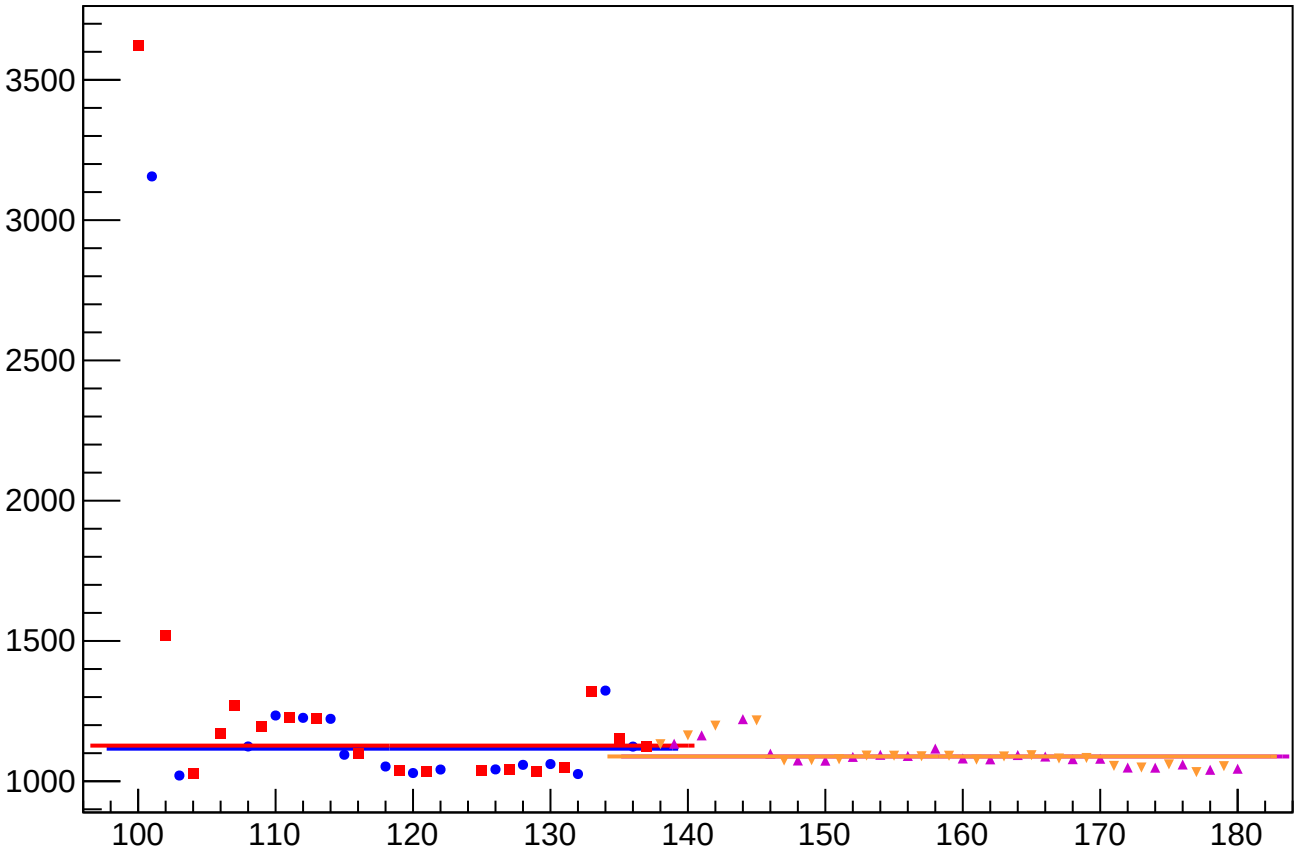
Left: 81.488+/-186.973 χ^2/NDF: 50.4/41

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 30.401+/-223.080 χ^2/NDF:48.7/36

Out: 222.130+/-226.125 χ^2/NDF:34.6/38

All: 124.966+/-158.807 χ^2/NDF: 83.7/75



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

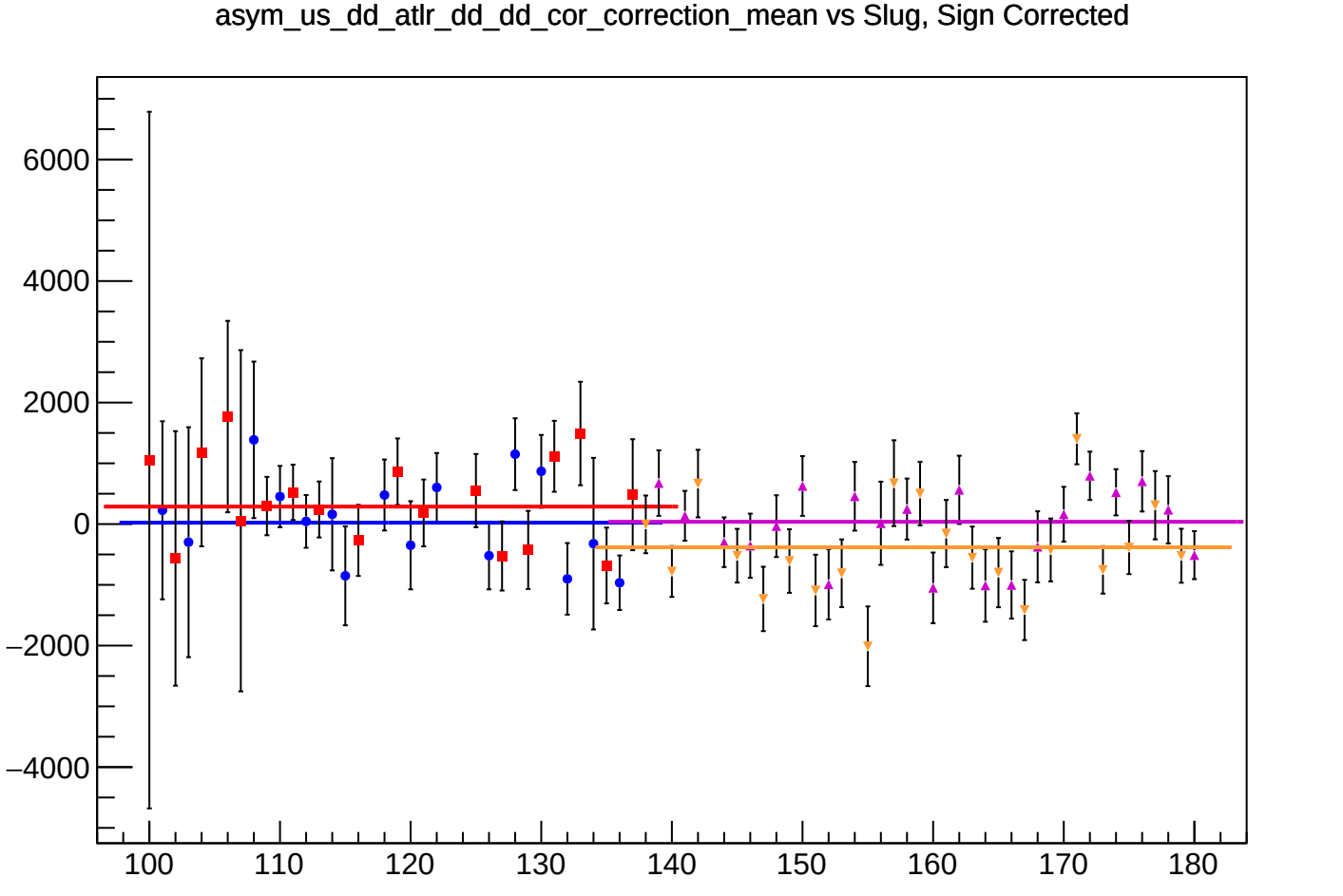
Left: 1088.290+/-0.132 χ^2/NDF: 93526.8/41

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1095.927+/-0.158 χ^2/NDF:675755.2/36

Out: 1099.204+/-0.160 χ^2/NDF:281925.1/38

All: 1097.543+/-0.112 χ^2/NDF: 957893.2/75



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -381.668+/-109.425 χ^2/NDF:47.1/20

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 37.812+/-107.727 χ^2/NDF:28.7/20

Left: -168.648+/-76.768 χ^2/NDF: 83.3/41

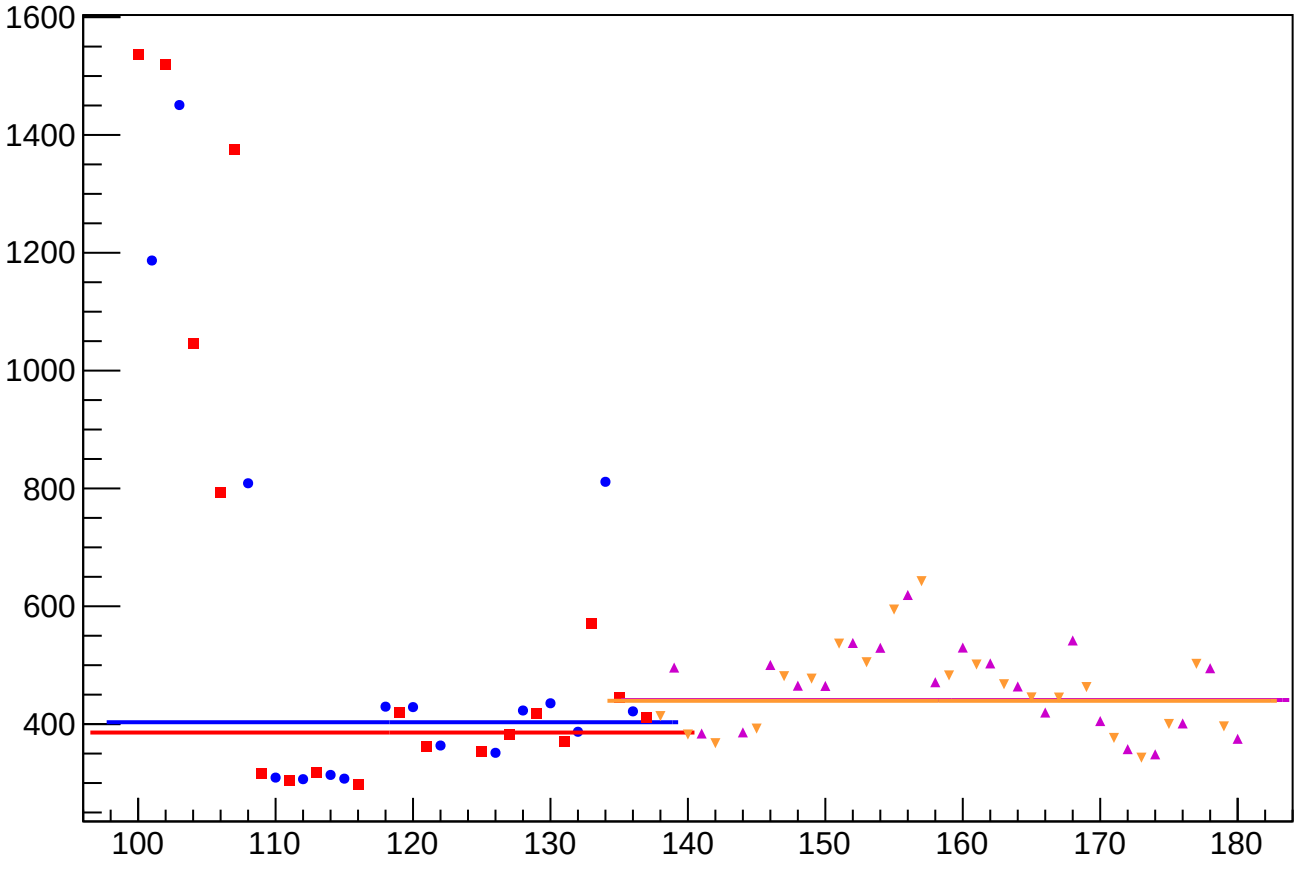
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 33.217+/-89.574 χ^2/NDF:47.7/36

Out: -161.362+/-89.624 χ^2/NDF:73.1/38

All: -64.018+/-63.356 χ^2/NDF: 123.1/75

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: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

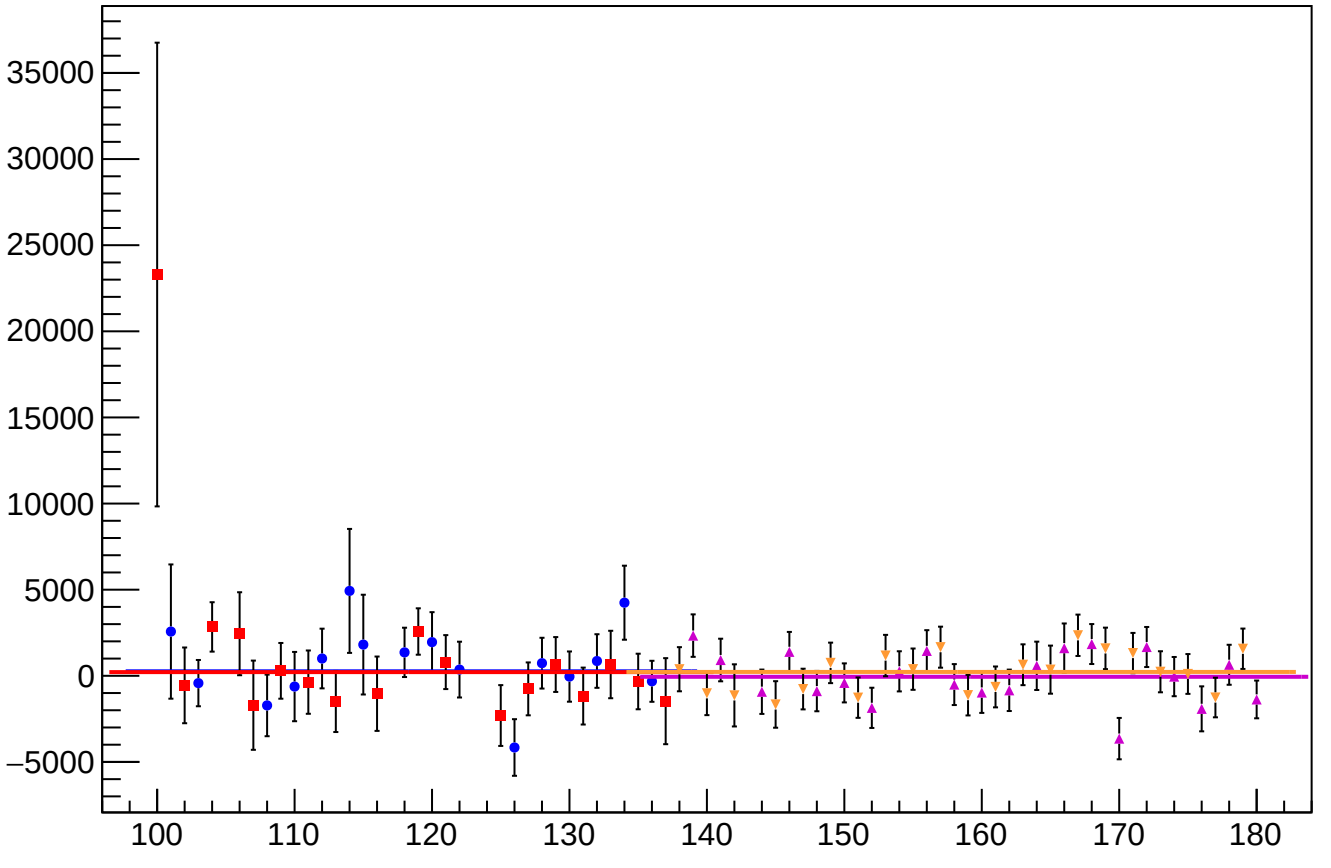
Left: 440.254+/-0.054 χ^2/NDF: 1578615.1/41

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 429.262+/-0.063 χ^2/NDF:2708265.1/36

Out: 421.841+/-0.063 χ^2/NDF:2664888.9/38

All: 425.553+/-0.045 χ^2/NDF: 5380014.4/75



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -57.266+/-262.167 χ^2/NDF:31.4/20

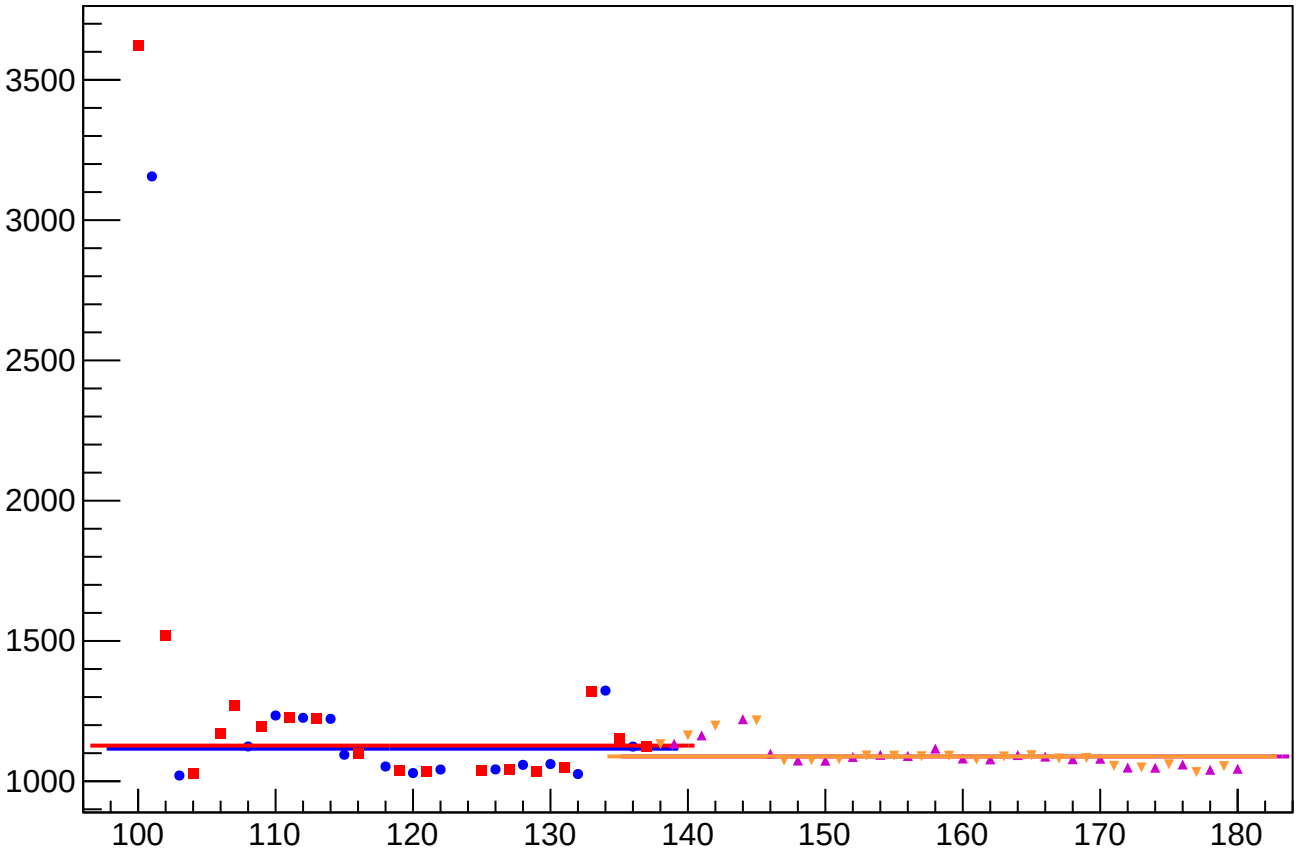
Left: 81.488+/-186.973 χ^2/NDF: 50.4/41

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 30.401+/-223.080 χ^2/NDF:48.7/36

Out: 222.130+/-226.125 χ^2/NDF:34.6/38

All: 124.966+/-158.807 χ^2/NDF: 83.7/75



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1088.242+/-0.185 χ^2/NDF:46136.6/20

Left: 1088.290+/-0.132 χ^2/NDF: 93526.8/41

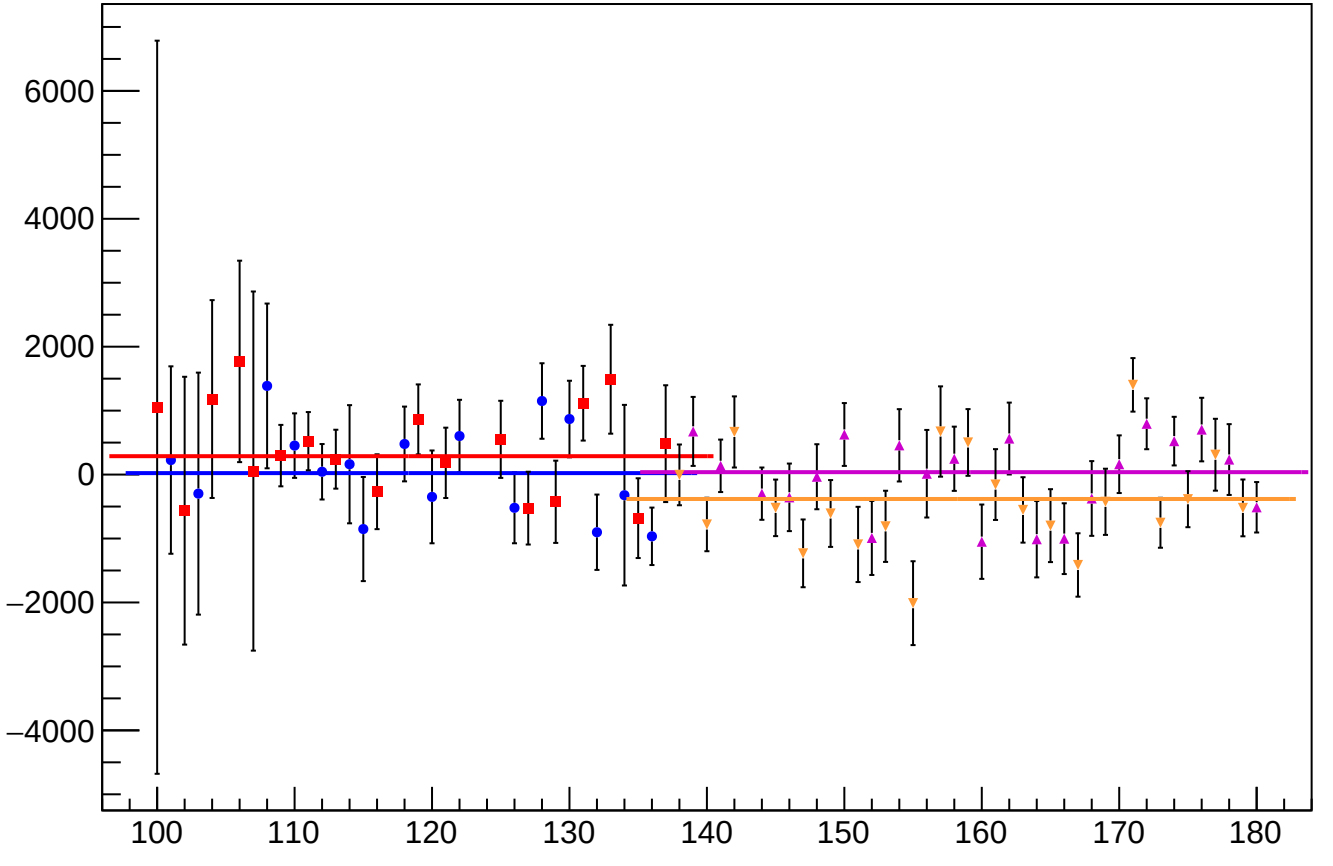
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1095.927+/-0.158 χ^2/NDF:675755.2/36

Out: 1099.204+/-0.160 χ^2/NDF:281925.1/38

All: 1097.543+/-0.112 χ^2/NDF: 957893.2/75

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: -381.668+/-109.425 χ^2/NDF:47.1/20

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 37.812+/-107.727 χ^2/NDF:28.7/20

Left: -168.648+/-76.768 χ^2/NDF: 83.3/41

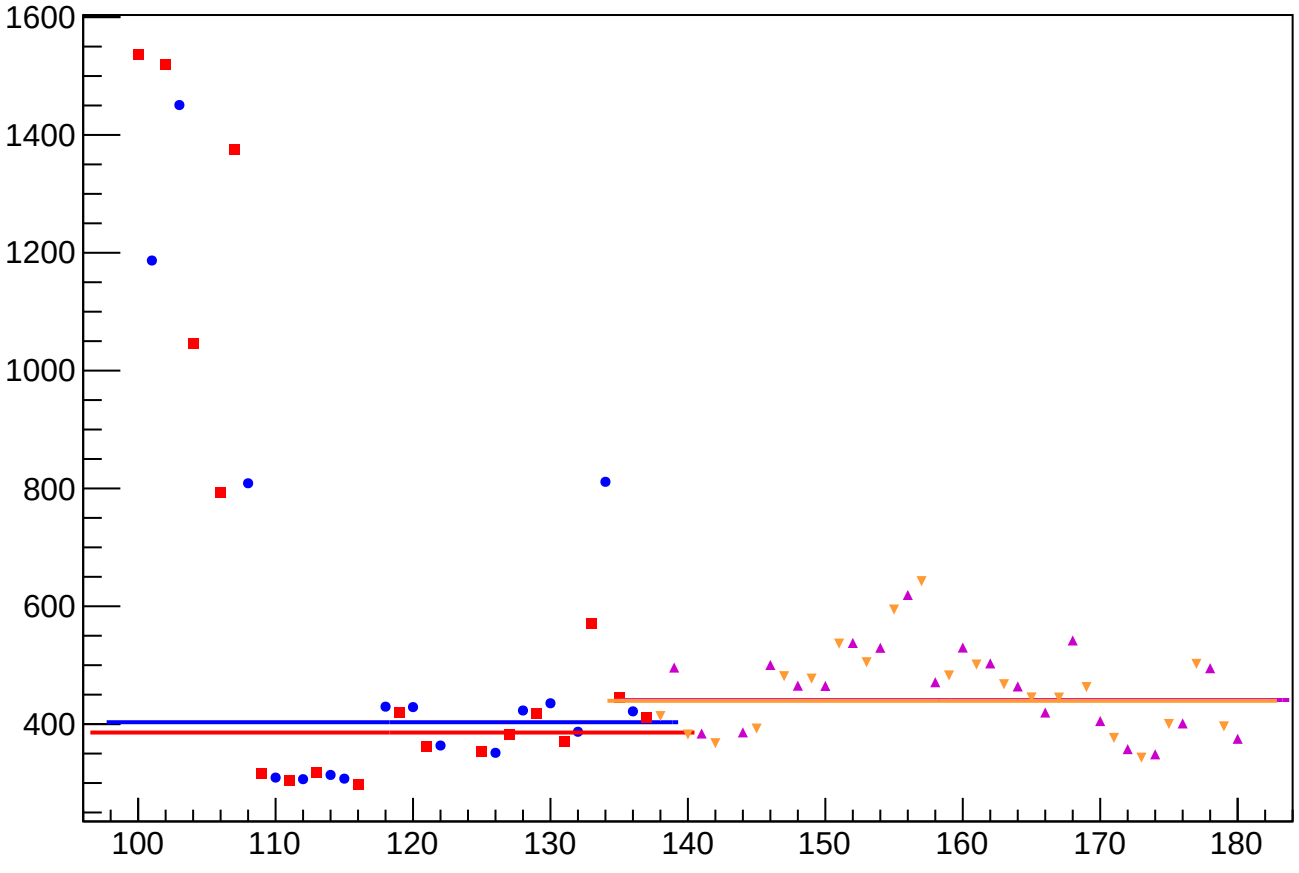
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 33.217+/-89.574 χ^2/NDF:47.7/36

Out: -161.362+/-89.624 χ^2/NDF:73.1/38

All: -64.018+/-63.356 χ^2/NDF: 123.1/75

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: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 440.904+/-0.076 χ^2/NDF:820473.6/20

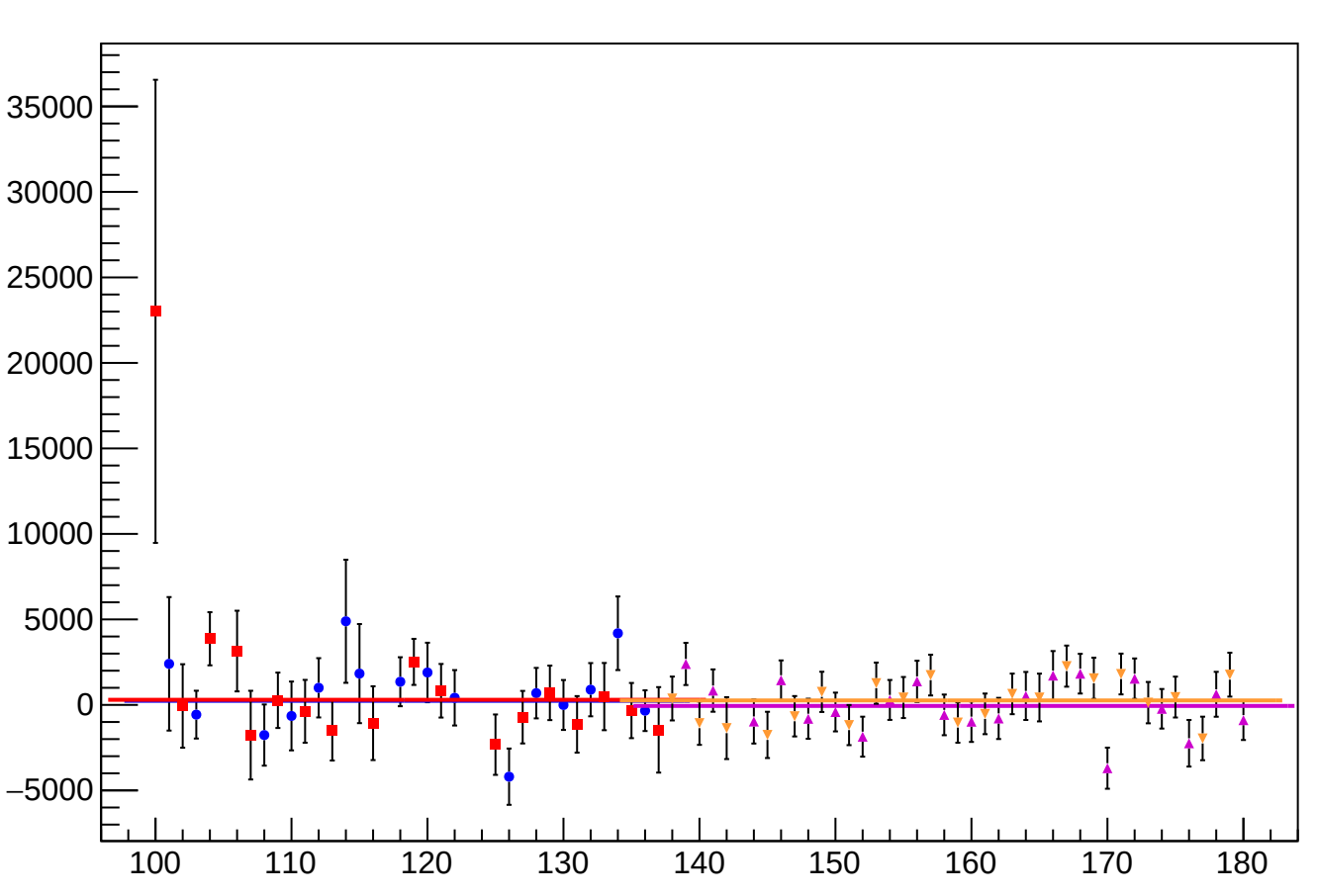
Left: 440.254+/-0.054 χ^2/NDF: 1578615.1/41

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 429.262+/-0.063 χ^2/NDF:2708265.1/36

Out: 421.841+/-0.063 χ^2/NDF:2664888.9/38

All: 425.553+/-0.045 χ^2/NDF: 5380014.4/75



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.625+/-270.386 χ^2/NDF:20.5/20

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -59.567+/-265.610 χ^2/NDF:30.9/20

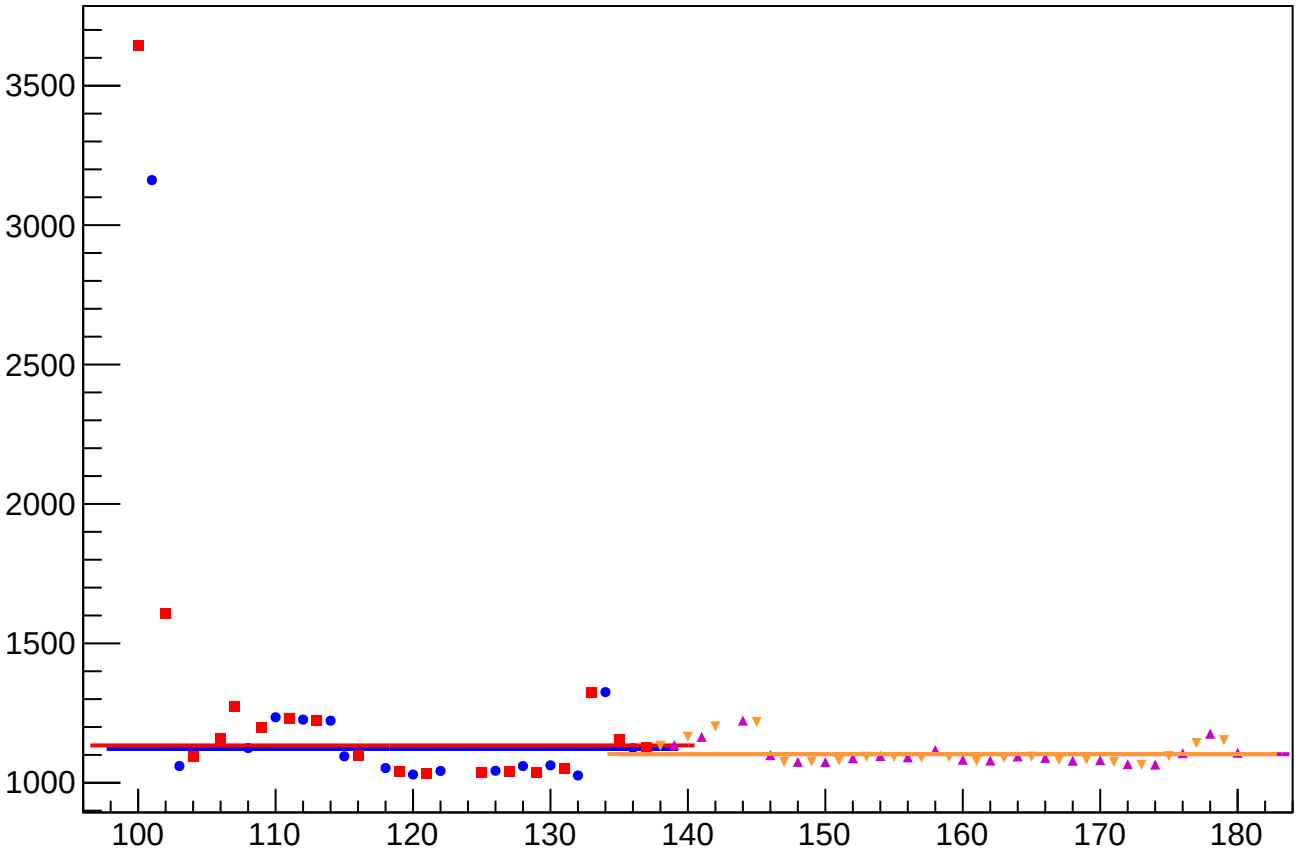
Left: 97.676+/-189.481 χ^2/NDF: 52.2/41

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 24.354+/-225.477 χ^2/NDF:48.2/36

Out: 271.448+/-229.010 χ^2/NDF:39.2/38

All: 145.980+/-160.671 χ^2/NDF: 88.1/75



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40698.8/20

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.551+/-0.188 χ^2/NDF:40237.8/20

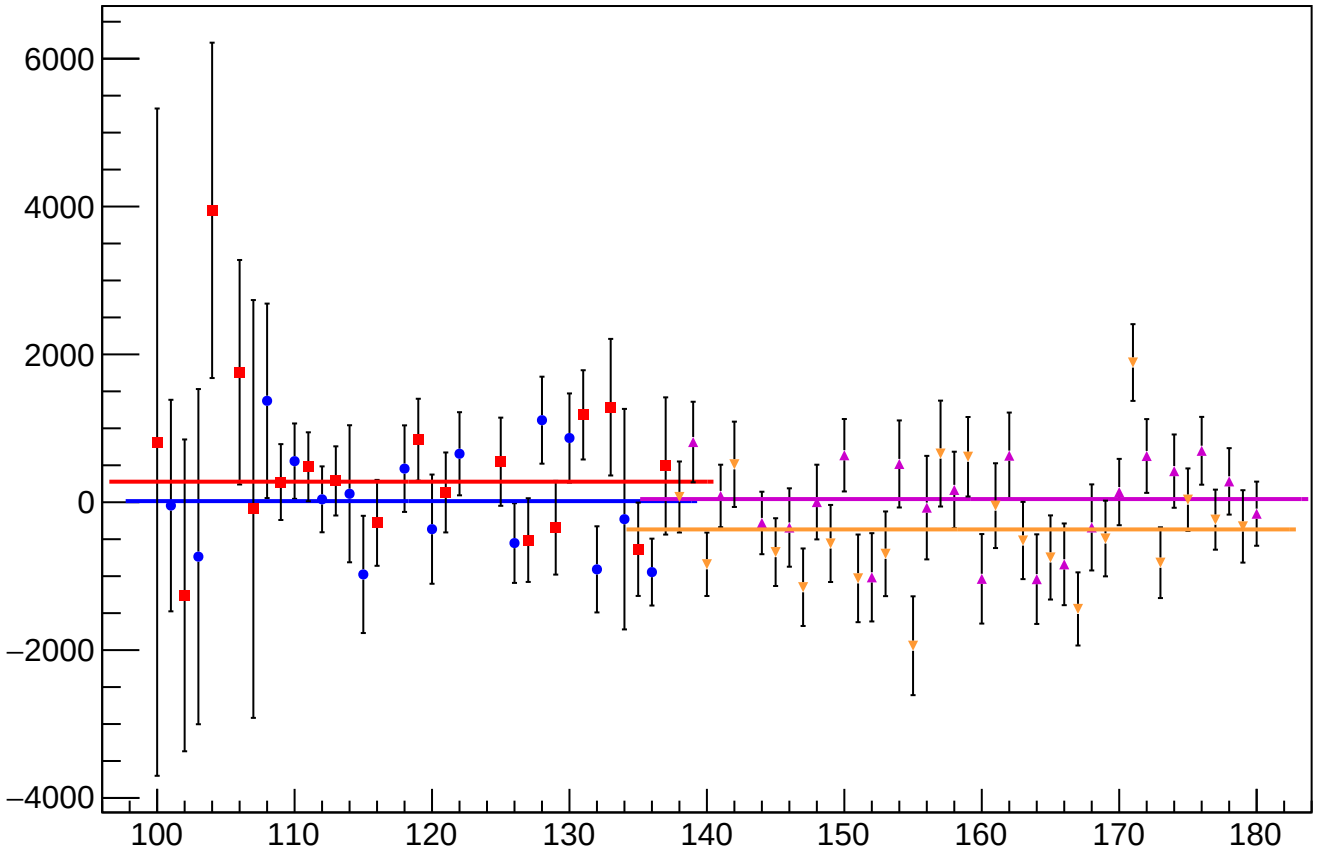
Left: 1102.911+/-0.134 χ^2/NDF: 80944.1/41

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.787+/-0.159 χ^2/NDF:660048.5/36

Out: 1111.946+/-0.162 χ^2/NDF:275416.8/38

All: 1109.834+/-0.114 χ^2/NDF: 935800.3/75



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -367.471+/-111.800 χ^2/NDF:46.1/20

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 43.082+/-111.539 χ^2/NDF:23.4/20

Left: -161.715+/-78.962 χ^2/NDF: 76.3/41

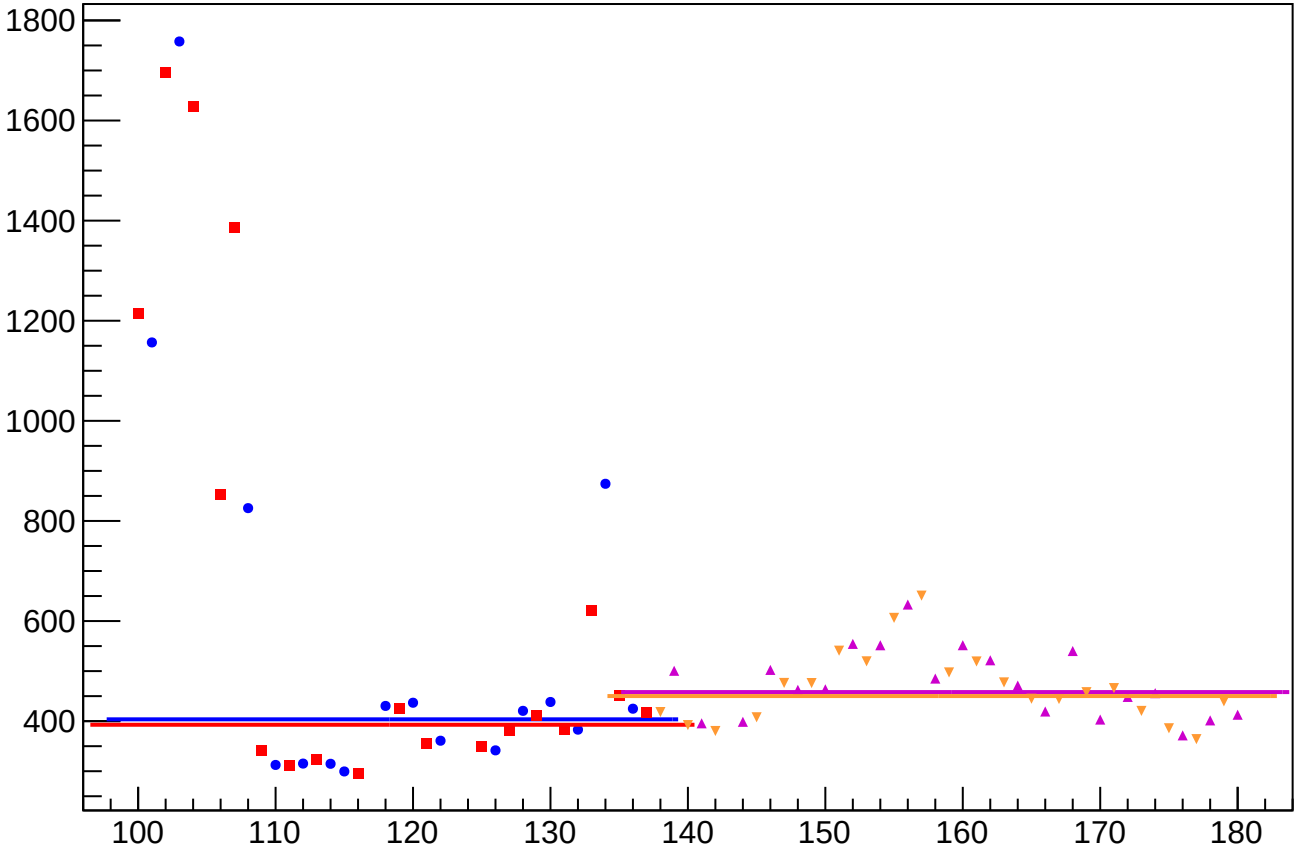
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 34.133+/-91.841 χ^2/NDF:43.0/36

Out: -153.530+/-91.422 χ^2/NDF:72.3/38

All: -60.128+/-64.793 χ^2/NDF: 117.3/75

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: 450.146+/-0.079 χ^2/NDF:641681.1/20

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 458.101+/-0.079 χ^2/NDF:619982.3/20

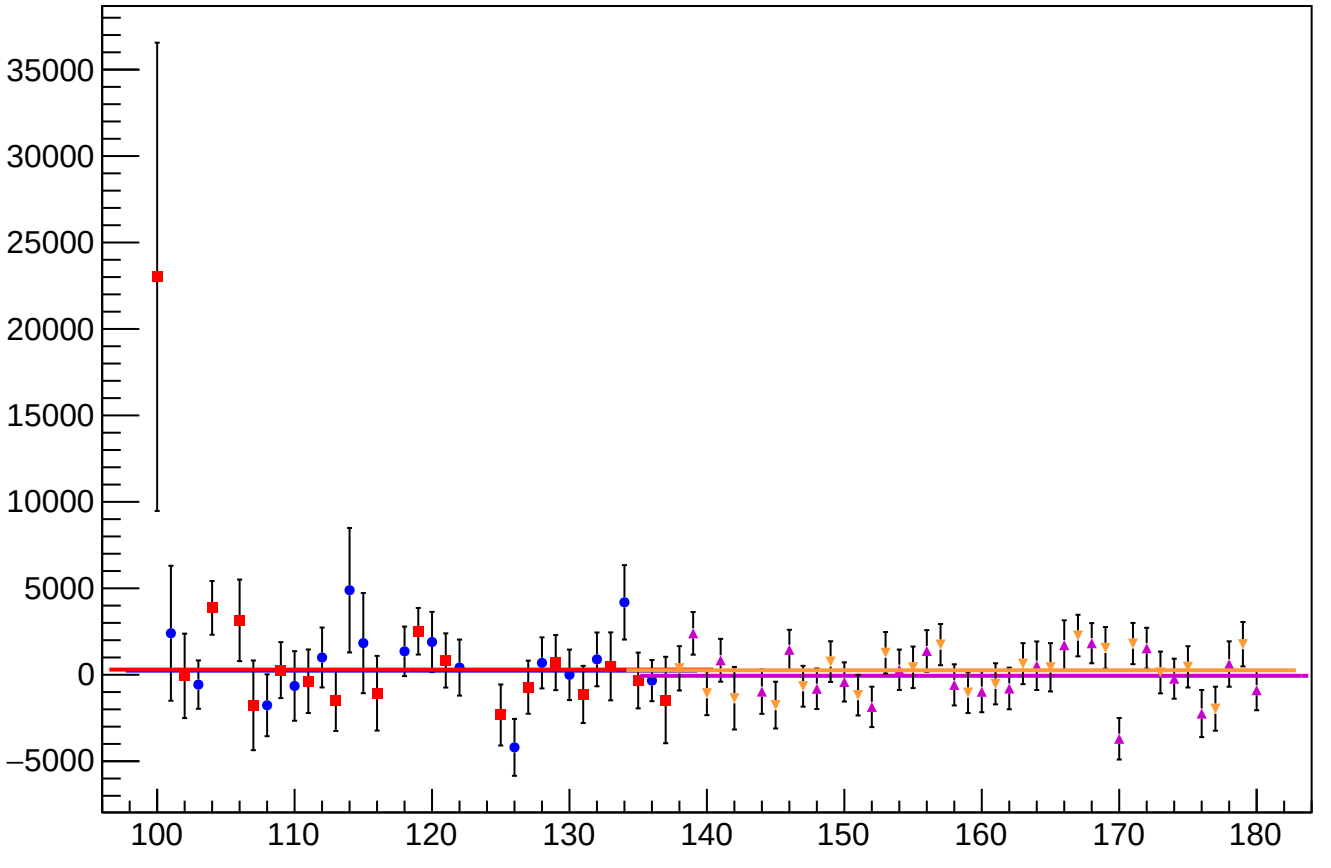
Left: 454.133+/-0.056 χ^2/NDF: 1266738.9/41

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 440.569+/-0.065 χ^2/NDF:2703033.1/36

Out: 431.153+/-0.065 χ^2/NDF:3019353.9/38

All: 435.839+/-0.046 χ^2/NDF: 5732947.3/75



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.622+/-270.386 χ^2/NDF:20.5/20

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -59.566+/-265.610 χ^2/NDF:30.9/20

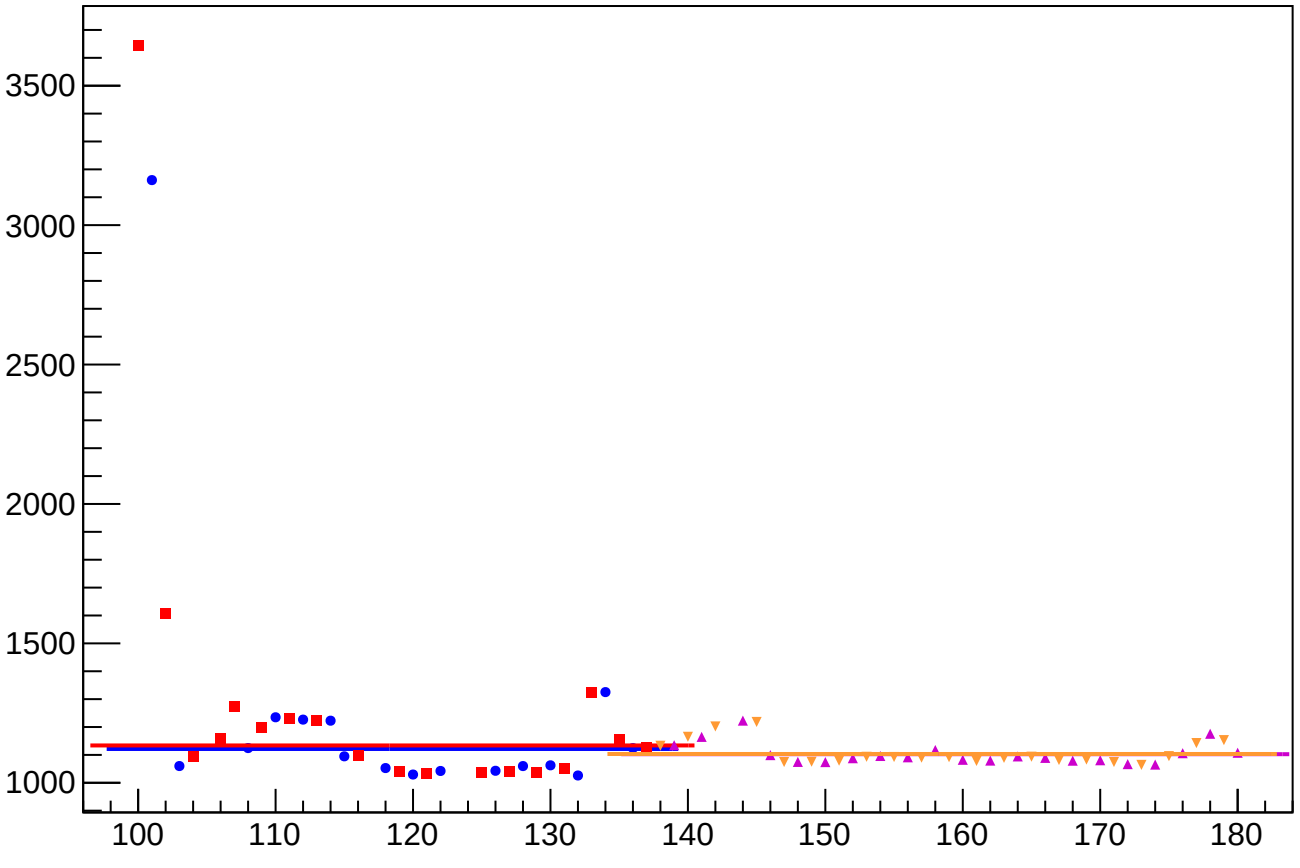
Left: 97.675+/-189.481 χ^2/NDF: 52.2/41

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 24.355+/-225.477 χ^2/NDF:48.2/36

Out: 271.447+/-229.010 χ^2/NDF:39.2/38

All: 145.980+/-160.671 χ^2/NDF: 88.1/75



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40699.2/20

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.550+/-0.188 χ^2/NDF:40238.0/20

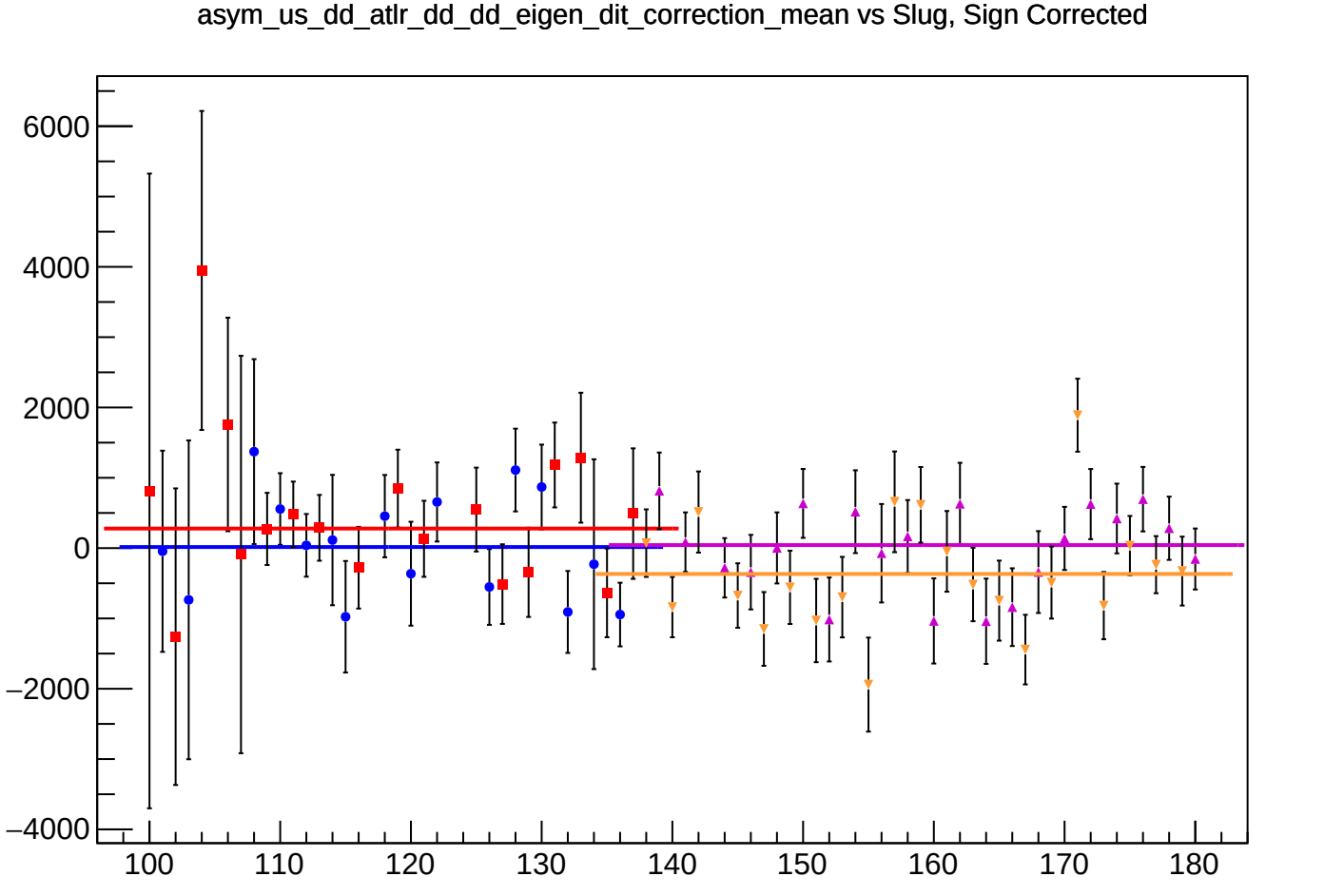
Left: 1102.911+/-0.134 χ^2/NDF: 80944.7/41

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

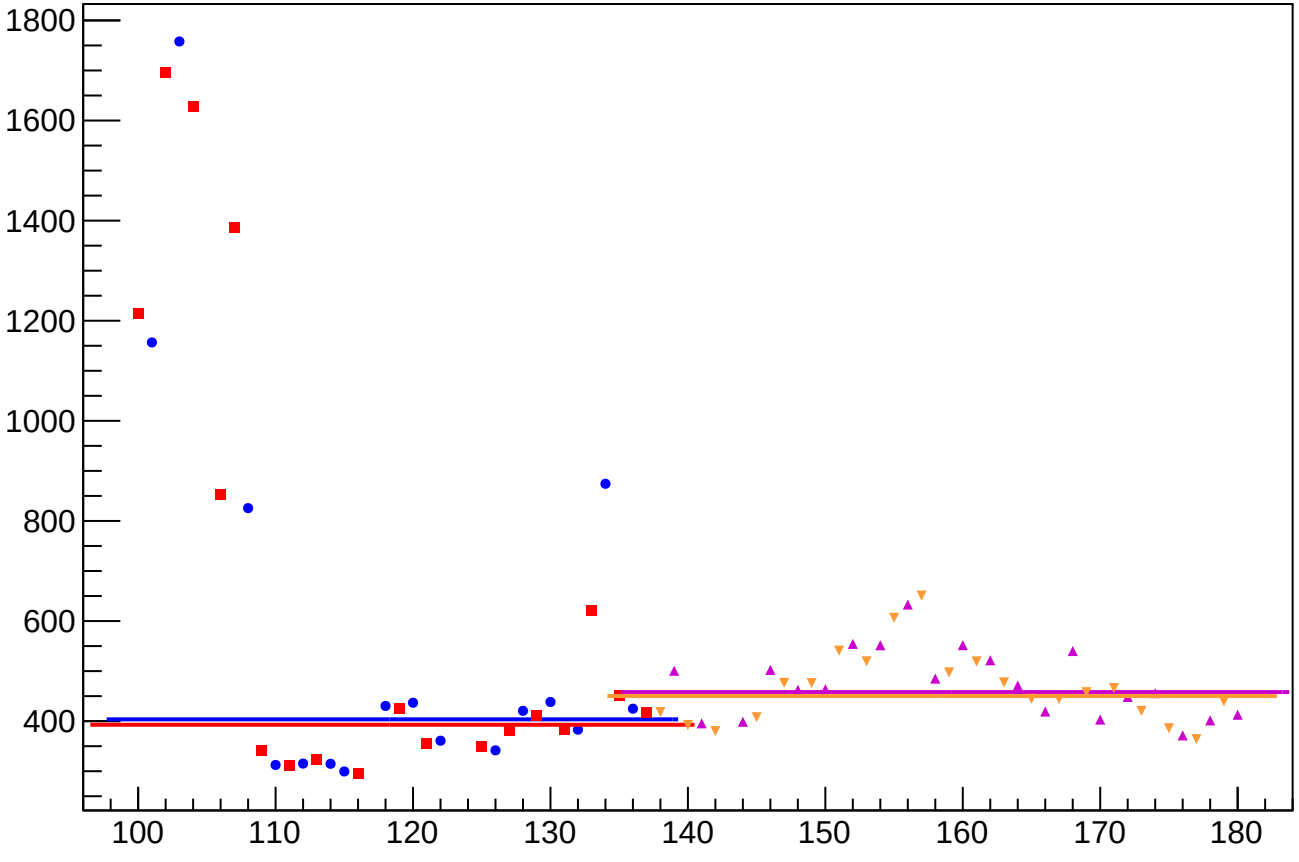
In: 1107.787+/-0.159 χ^2/NDF:660048.8/36

Out: 1111.946+/-0.162 χ^2/NDF:275417.2/38

All: 1109.834+/-0.114 χ^2/NDF: 935801.0/75


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
180
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -367.473+/-111.800 χ²/NDF:46.1/20
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 43.083+/-111.539 χ²/NDF:23.4/20
Left: -161.716+/-78.962 χ²/NDF: 76.3/41
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 34.132+/-91.841 χ²/NDF:43.0/36
Out: -153.529+/-91.422 χ²/NDF:72.3/38
All: -60.128+/-64.793 χ²/NDF: 117.4/75

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: 450.146+/-0.079 χ^2/NDF:641700.5/20

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 458.102+/-0.079 χ^2/NDF:619994.2/20

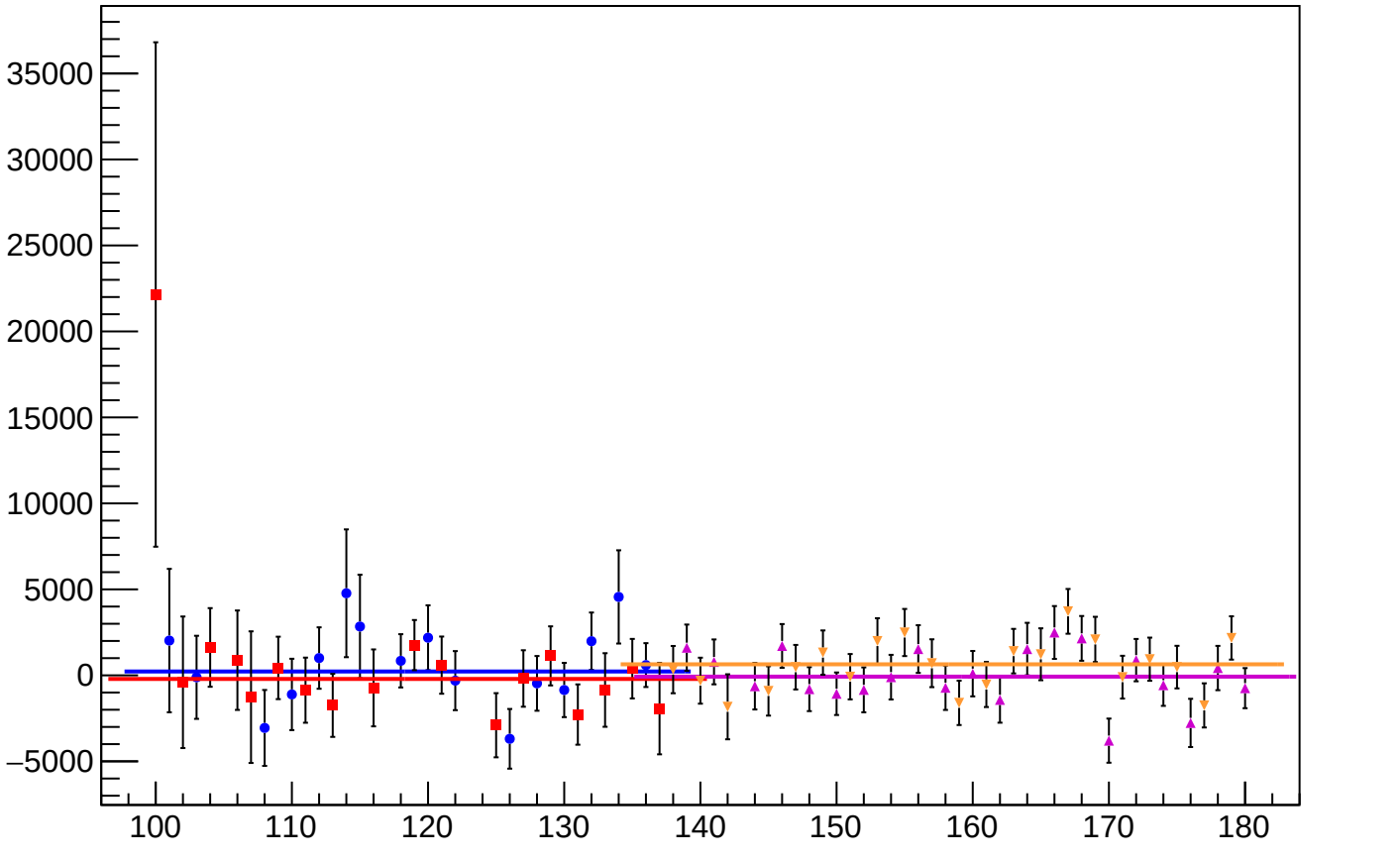
Left: 454.133+/-0.056 χ^2/NDF: 1266770.5/41

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 440.568+/-0.065 χ^2/NDF:2703061.9/36

Out: 431.151+/-0.065 χ^2/NDF:3019400.6/38

All: 435.838+/-0.046 χ^2/NDF: 5733023.7/75



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 642.073+/-291.032 χ^2/NDF:23.4/20

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -74.702+/-285.642 χ^2/NDF:28.3/20

Left: 276.987+/-203.859 χ^2/NDF: 54.8/41

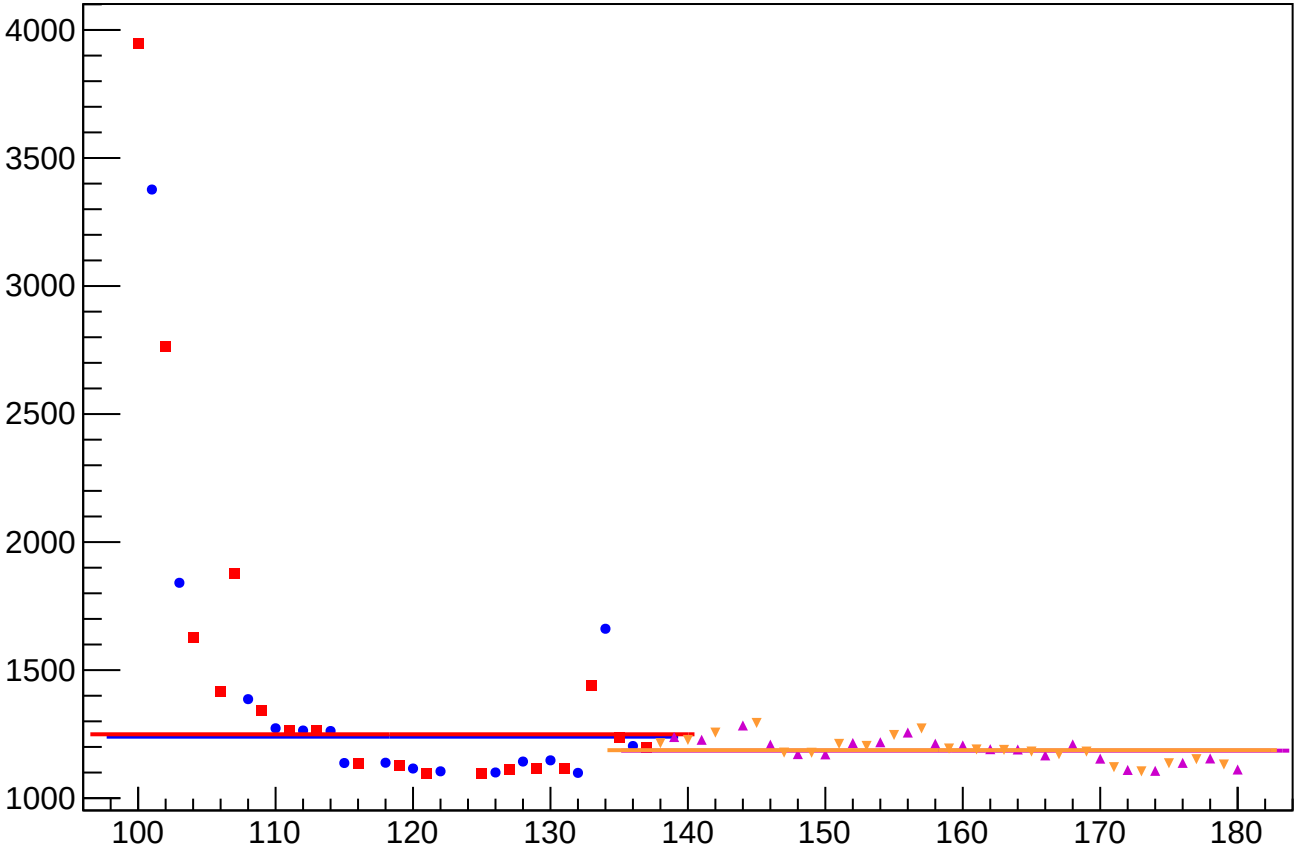
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 4.954+/-244.730 χ^2/NDF:44.7/36

Out: 411.573+/-248.556 χ^2/NDF:36.7/38

All: 205.109+/-174.387 χ^2/NDF: 82.7/75

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: 1187.361+/-0.206 χ^2/NDF:52286.6/20

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1185.476+/-0.202 χ^2/NDF:55585.4/20

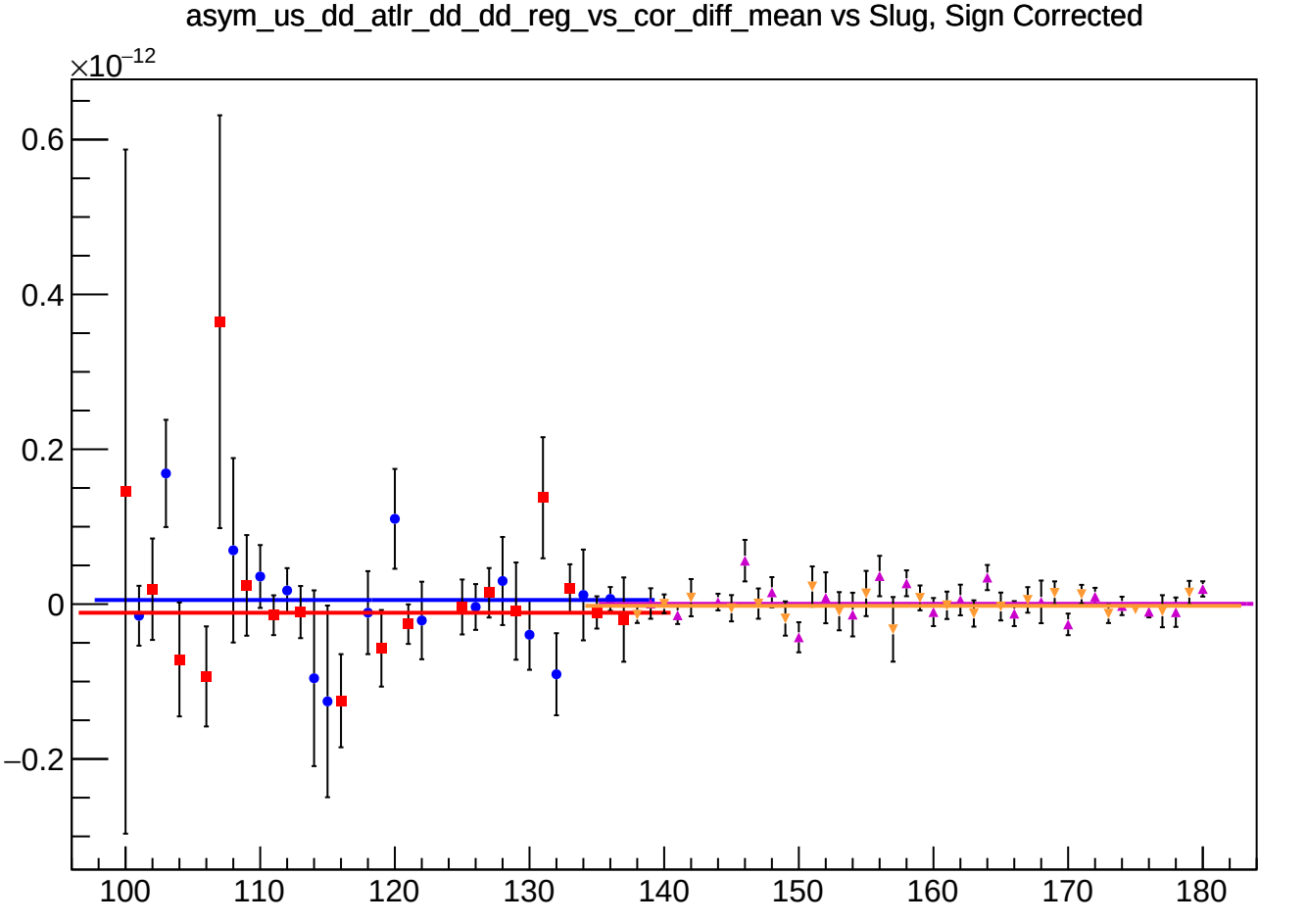
Left: 1186.401+/-0.144 χ^2/NDF: 107914.8/41

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1200.013+/-0.173 χ^2/NDF:857744.9/36

Out: 1204.152+/-0.176 χ^2/NDF:682986.3/38

All: 1202.050+/-0.123 χ^2/NDF: 1541012.7/75



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/20

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

Left In: 0.000+/-0.000 χ^2/NDF:32.2/20

Left: -0.000+/-0.000 χ^2/NDF: 42.7/41

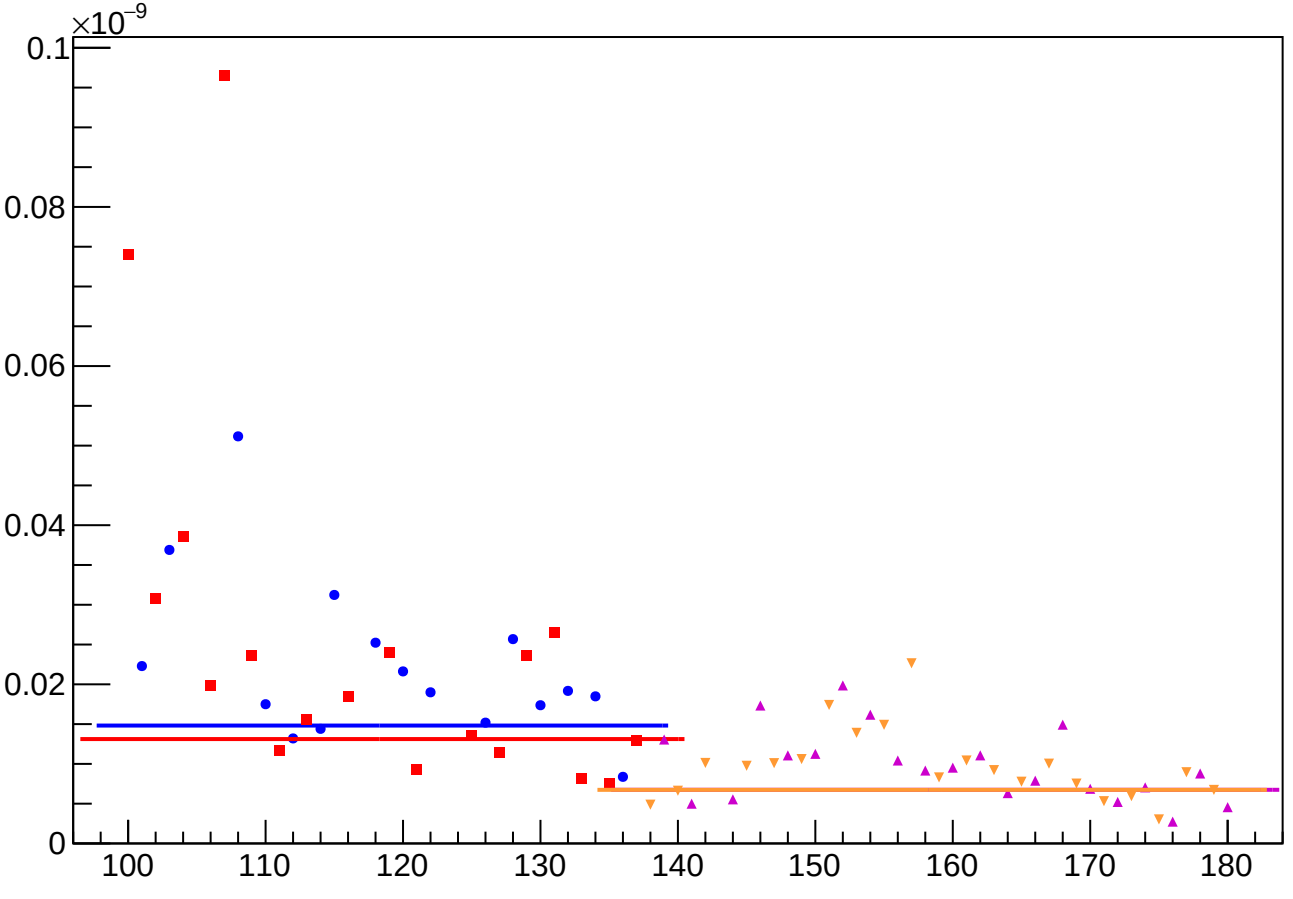
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:48.8/36

Out: -0.000+/-0.000 χ^2/NDF:26.1/38

All: -0.000+/-0.000 χ^2/NDF: 75.7/75

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259375.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2517280.0/20

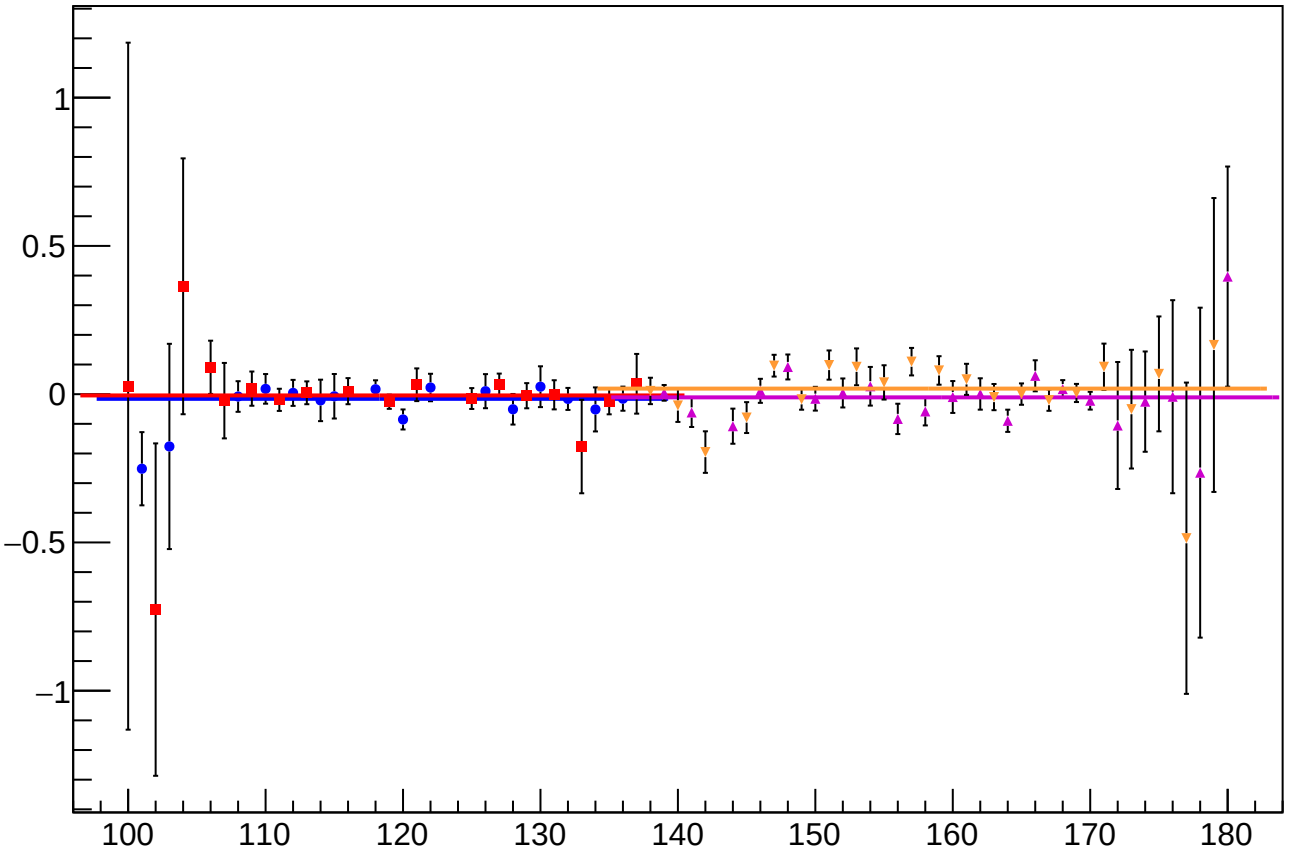
Left: 0.000+/-0.000 χ^2/NDF: 4776657.2/41

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4862231.0/36

Out: 0.000+/-0.000 χ^2/NDF:4272765.4/38

All: 0.000+/-0.000 χ^2/NDF: 9136879.2/75



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:22.8/20

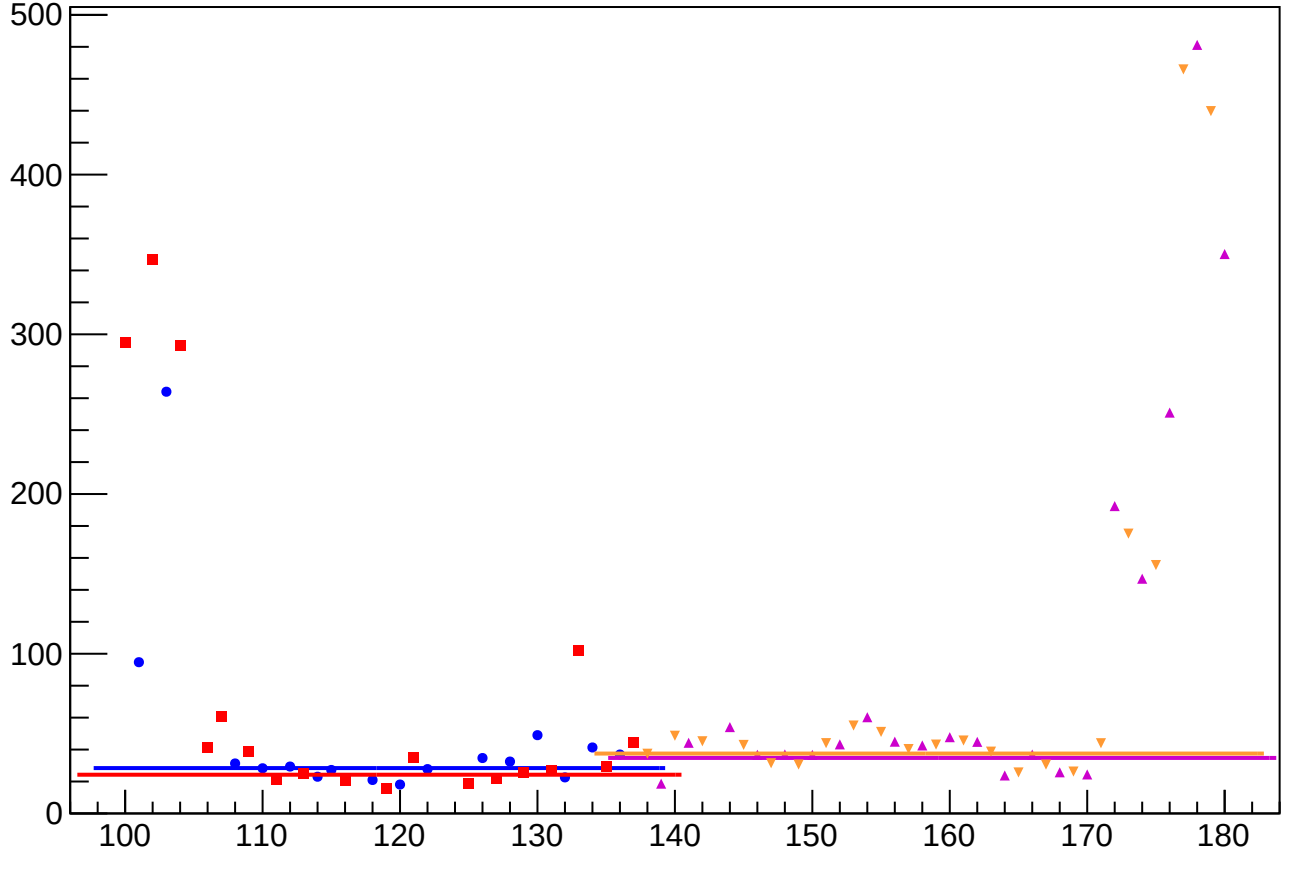
Left: 0.003+/-0.007 χ^2/NDF: 60.3/41

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:34.8/36

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 81.8/75



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

Left: 36.061+/-0.005 χ^2/NDF: 13528542.0/41

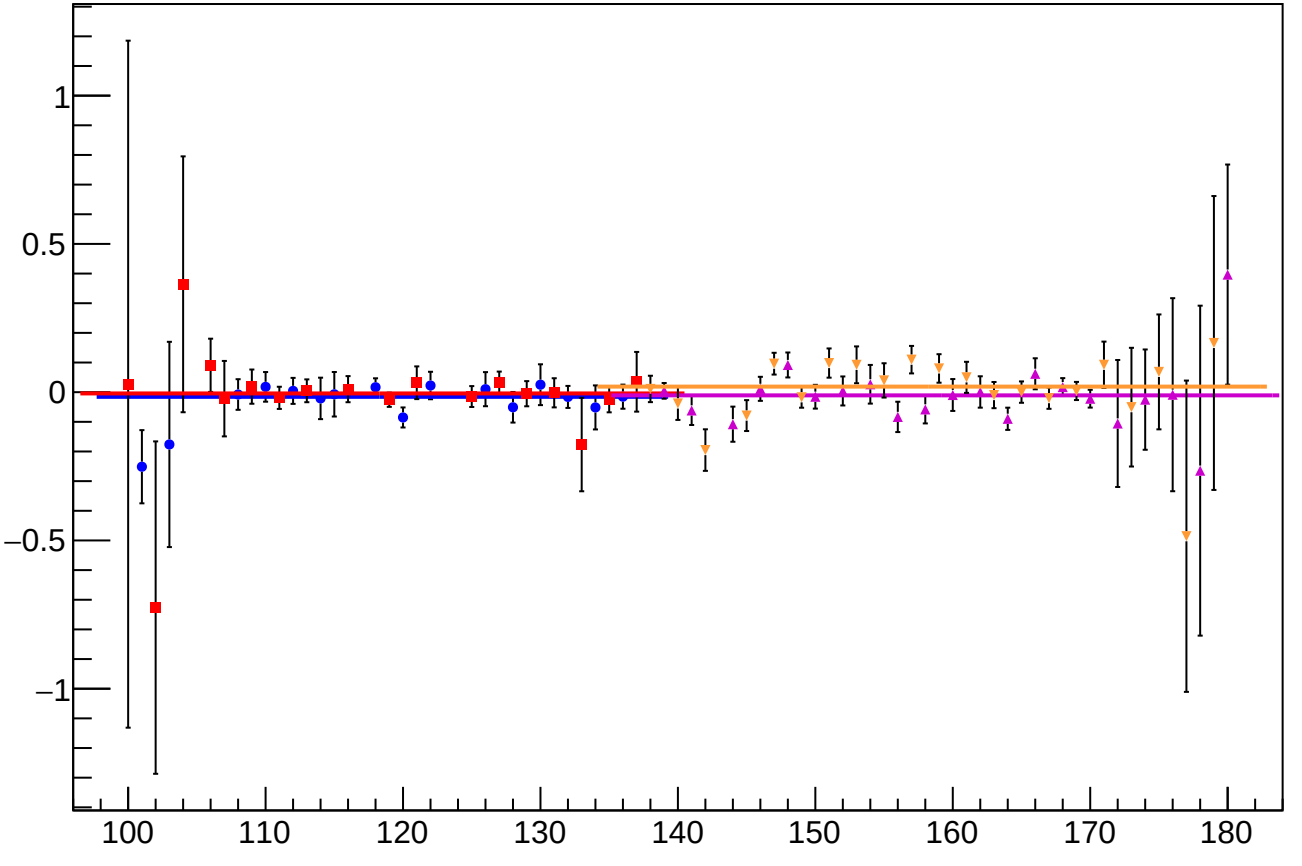
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.154+/-0.006 χ^2/NDF:10460854.0/36

Out: 31.243+/-0.006 χ^2/NDF:9888429.9/38

All: 31.697+/-0.004 χ^2/NDF: 20362676.9/75

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:22.8/20

Left: 0.003+/-0.007 χ^2/NDF: 60.3/41

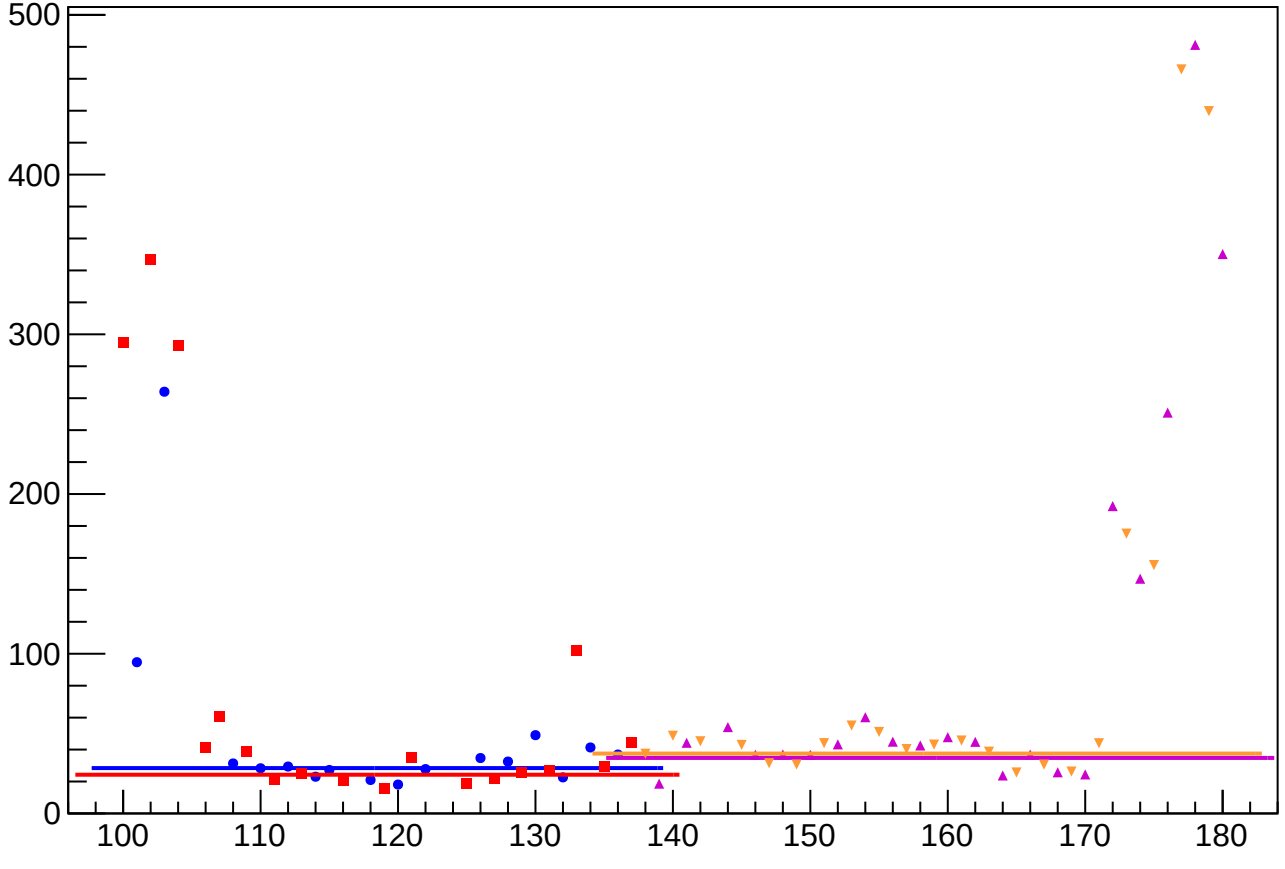
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:34.8/36

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 81.8/75

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.763+/-0.007 χ^2/NDF:7901262.8/20

Left: 36.061+/-0.005 χ^2/NDF: 13528542.0/41

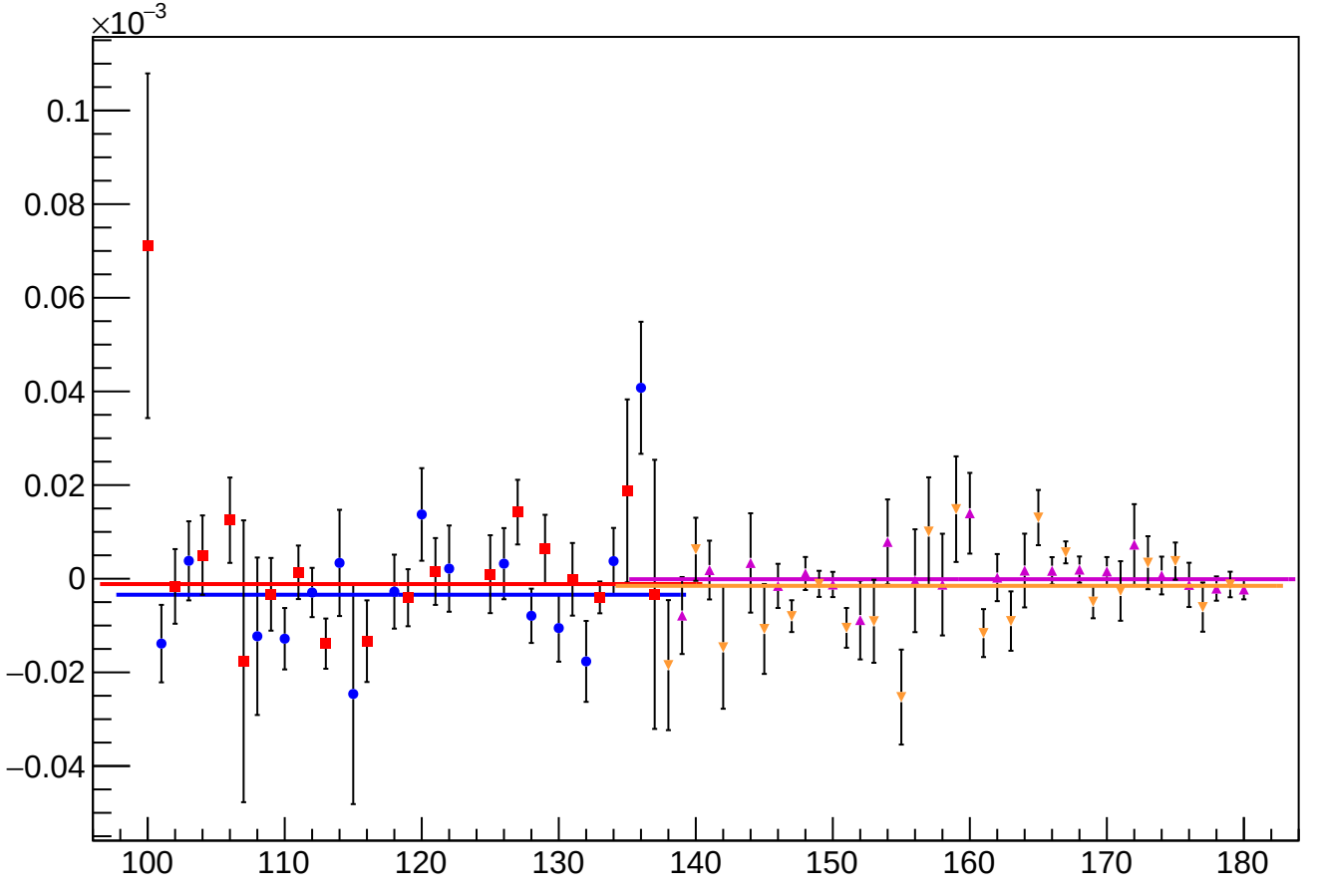
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.154+/-0.006 χ^2/NDF:10460854.0/36

Out: 31.243+/-0.006 χ^2/NDF:9888429.9/38

All: 31.697+/-0.004 χ^2/NDF: 20362676.9/75

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:47.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:9.8/20

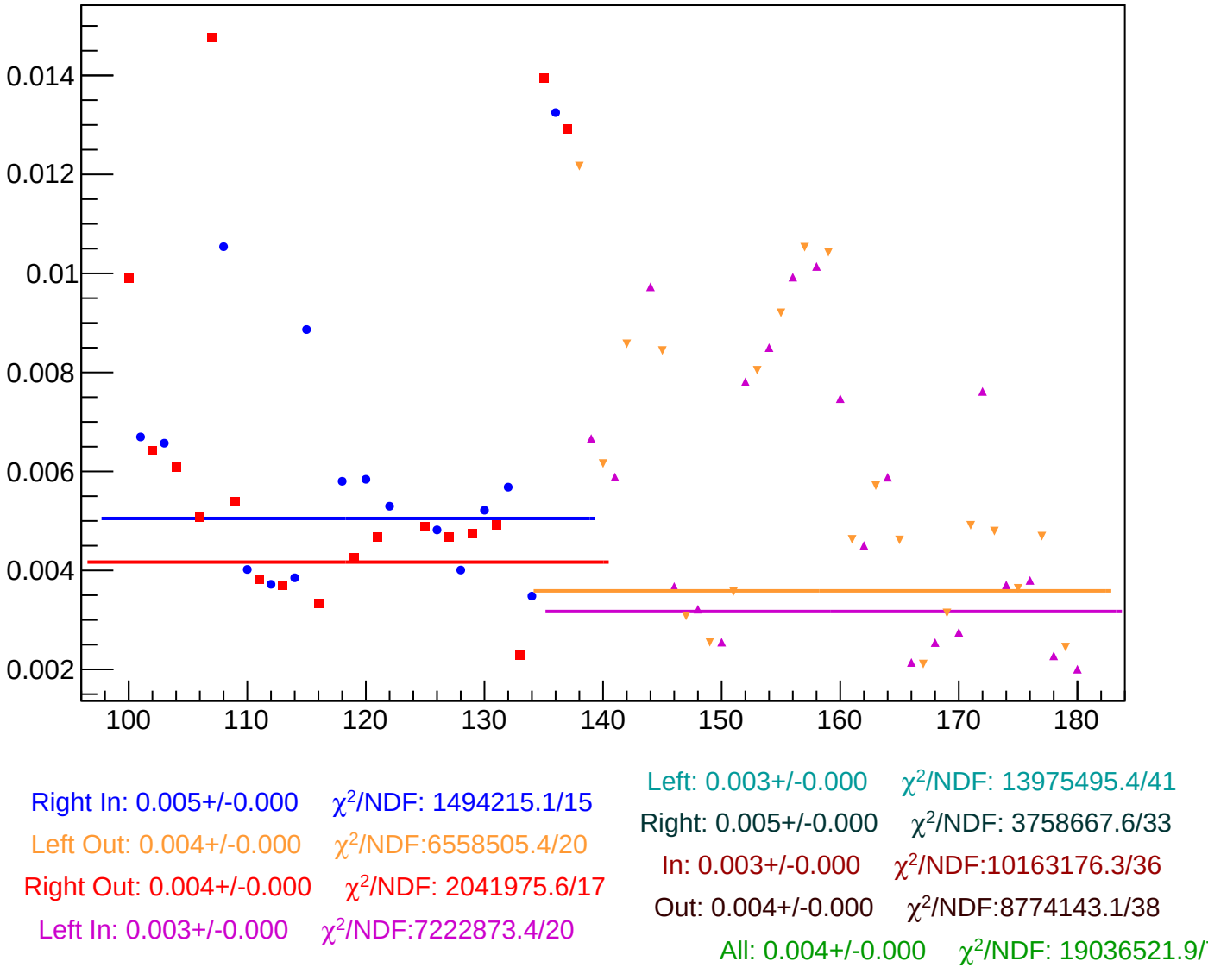
Left: -0.000+/-0.000 χ^2/NDF: 58.0/41

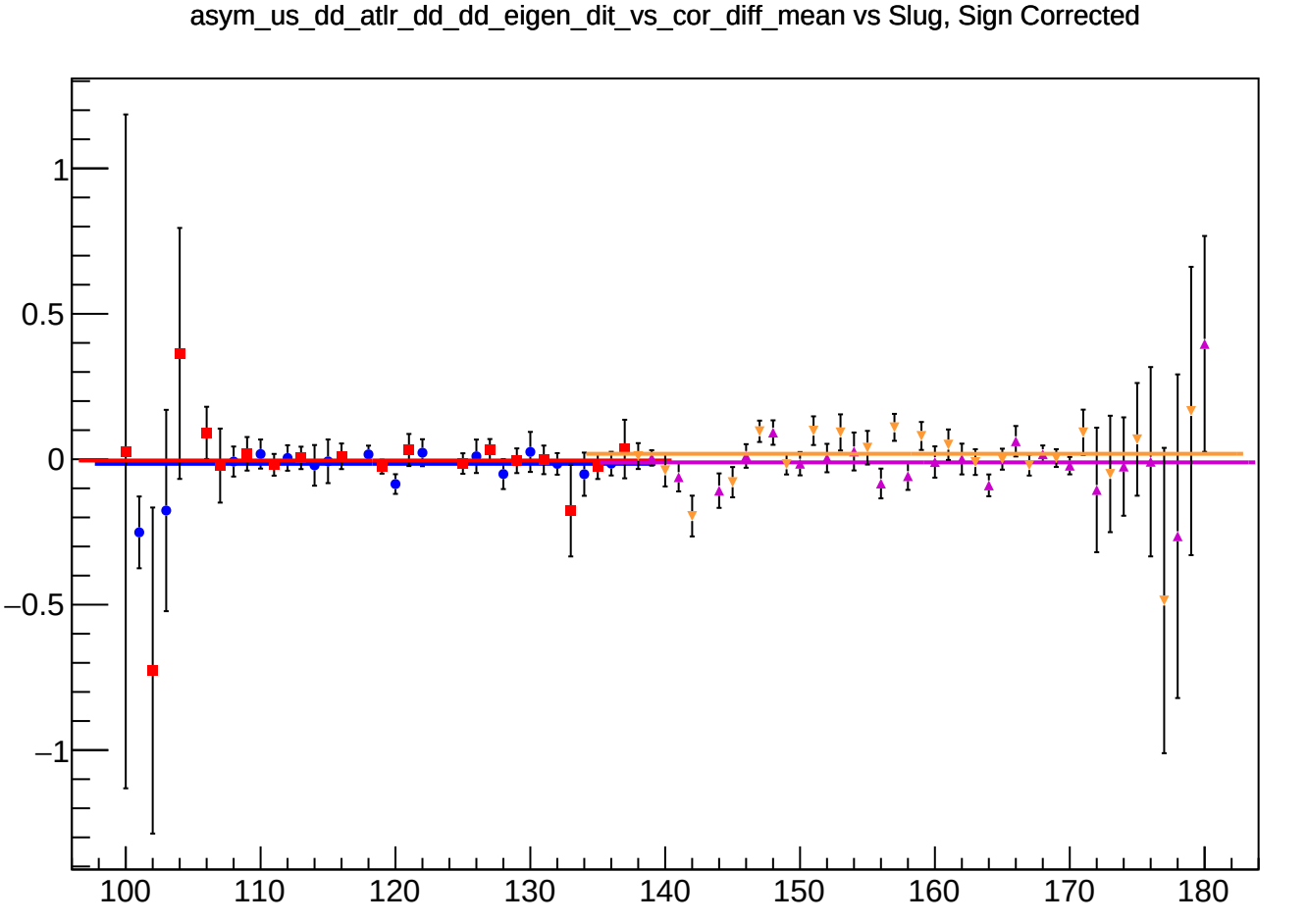
Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:37.2/36

Out: -0.000+/-0.000 χ^2/NDF:70.2/38

All: -0.000+/-0.000 χ^2/NDF: 107.8/75


asym_us_dd_atlr_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
180
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6558505.4/20
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.003+/-0.000 χ²/NDF:7222873.4/20
Left: 0.003+/-0.000 χ²/NDF: 13975495.4/41
Right: 0.005+/-0.000 χ²/NDF: 3758667.6/33
In: 0.003+/-0.000 χ²/NDF:10163176.3/36
Out: 0.004+/-0.000 χ²/NDF:8774143.1/38
All: 0.004+/-0.000 χ²/NDF: 19036521.9/75



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:22.8/20

Left: 0.003+/-0.007 χ^2/NDF: 60.3/41

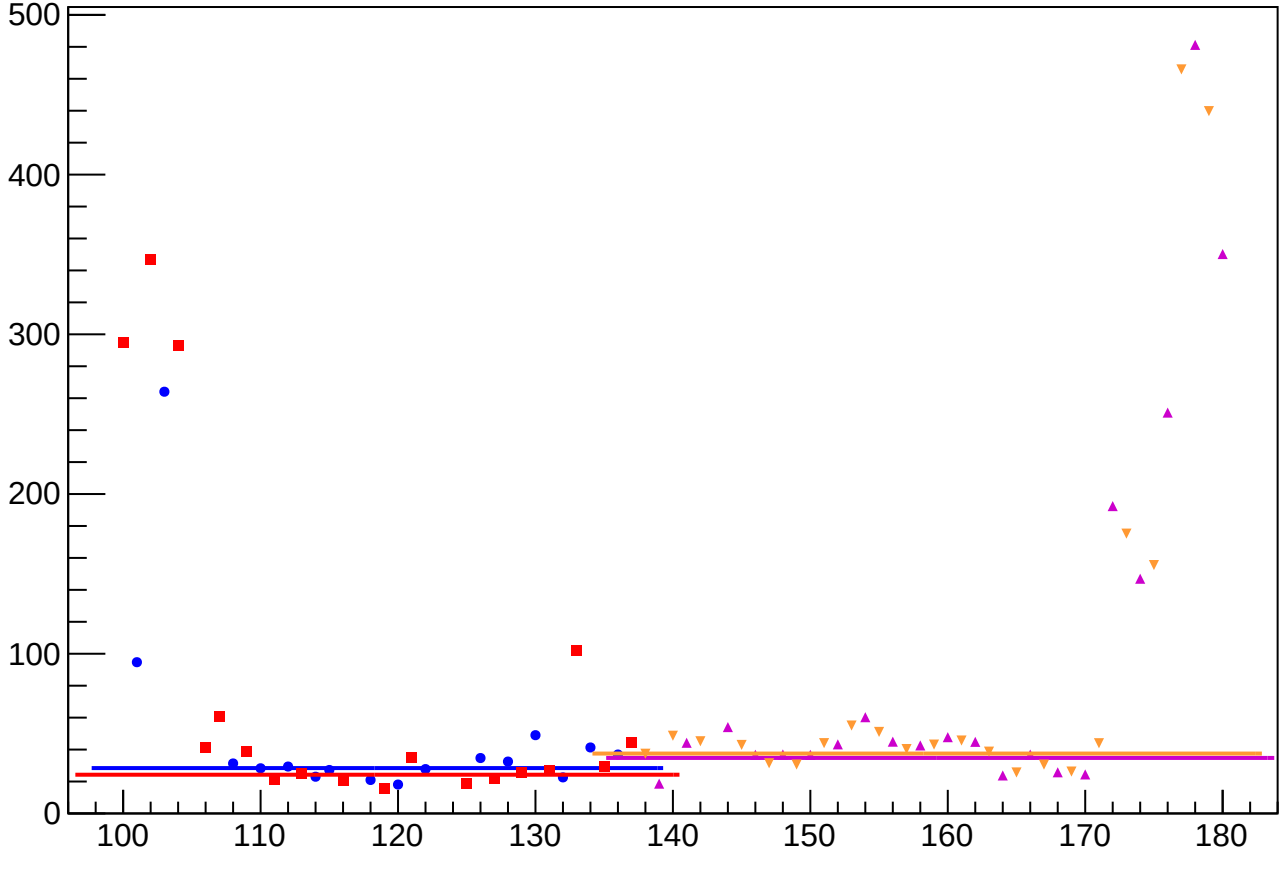
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:34.8/36

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 81.8/75

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

Left: 36.061+/-0.005 χ^2/NDF: 13529121.5/41

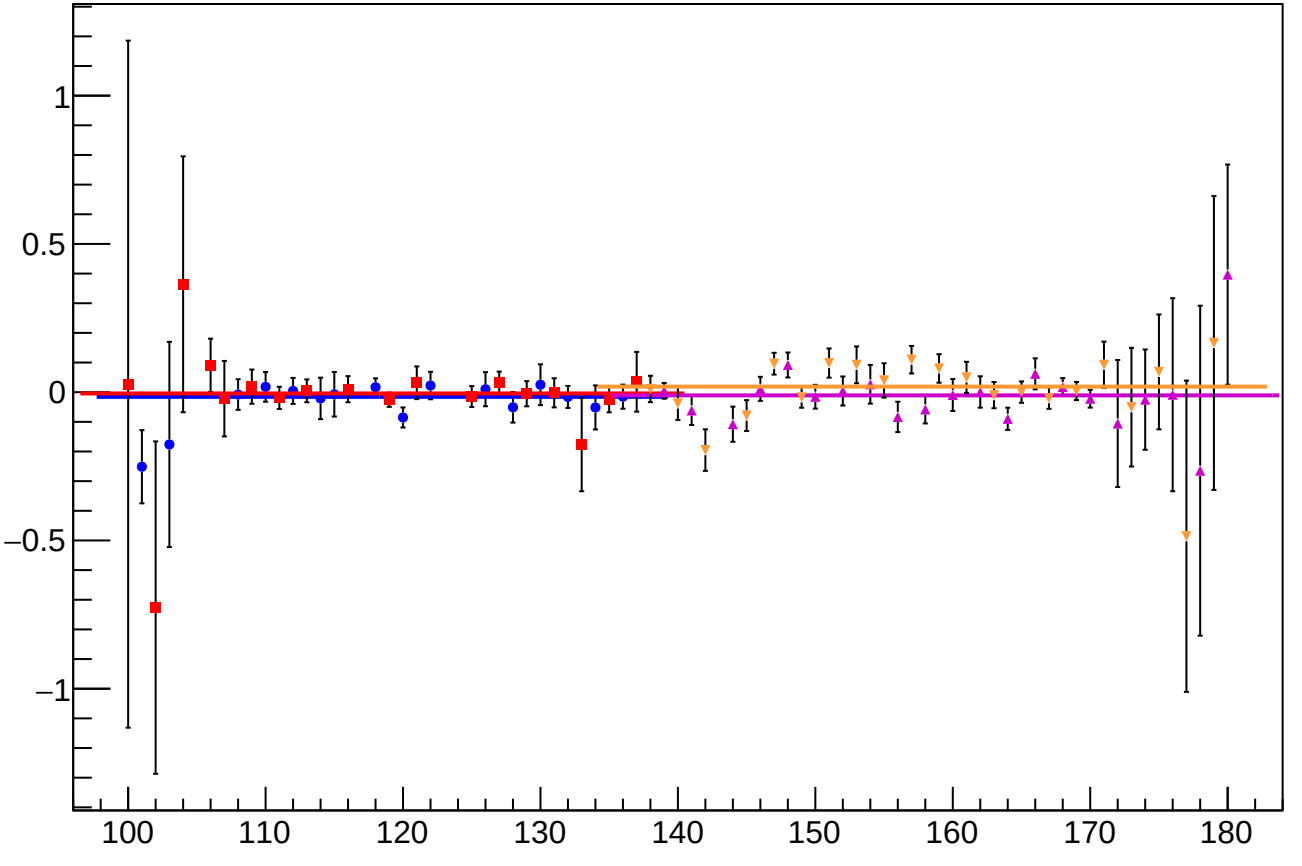
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.154+/-0.006 χ^2/NDF:10461269.3/36

Out: 31.242+/-0.006 χ^2/NDF:9889160.9/38

All: 31.696+/-0.004 χ^2/NDF: 20363853.3/75

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: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:22.8/20

Left: 0.003+/-0.007 χ^2/NDF: 60.3/41

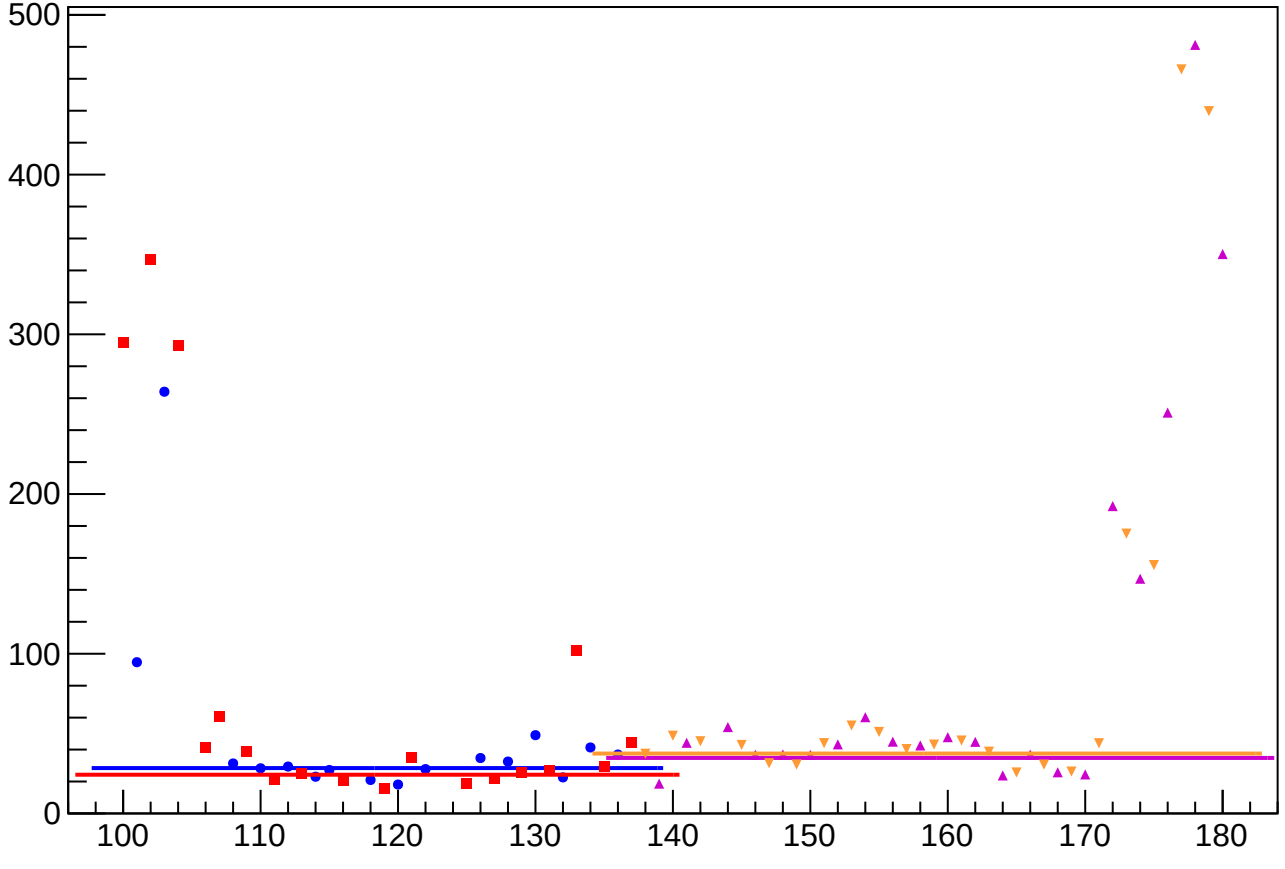
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:34.8/36

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 81.8/75

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.763+/-0.007 χ^2/NDF:7901685.0/20

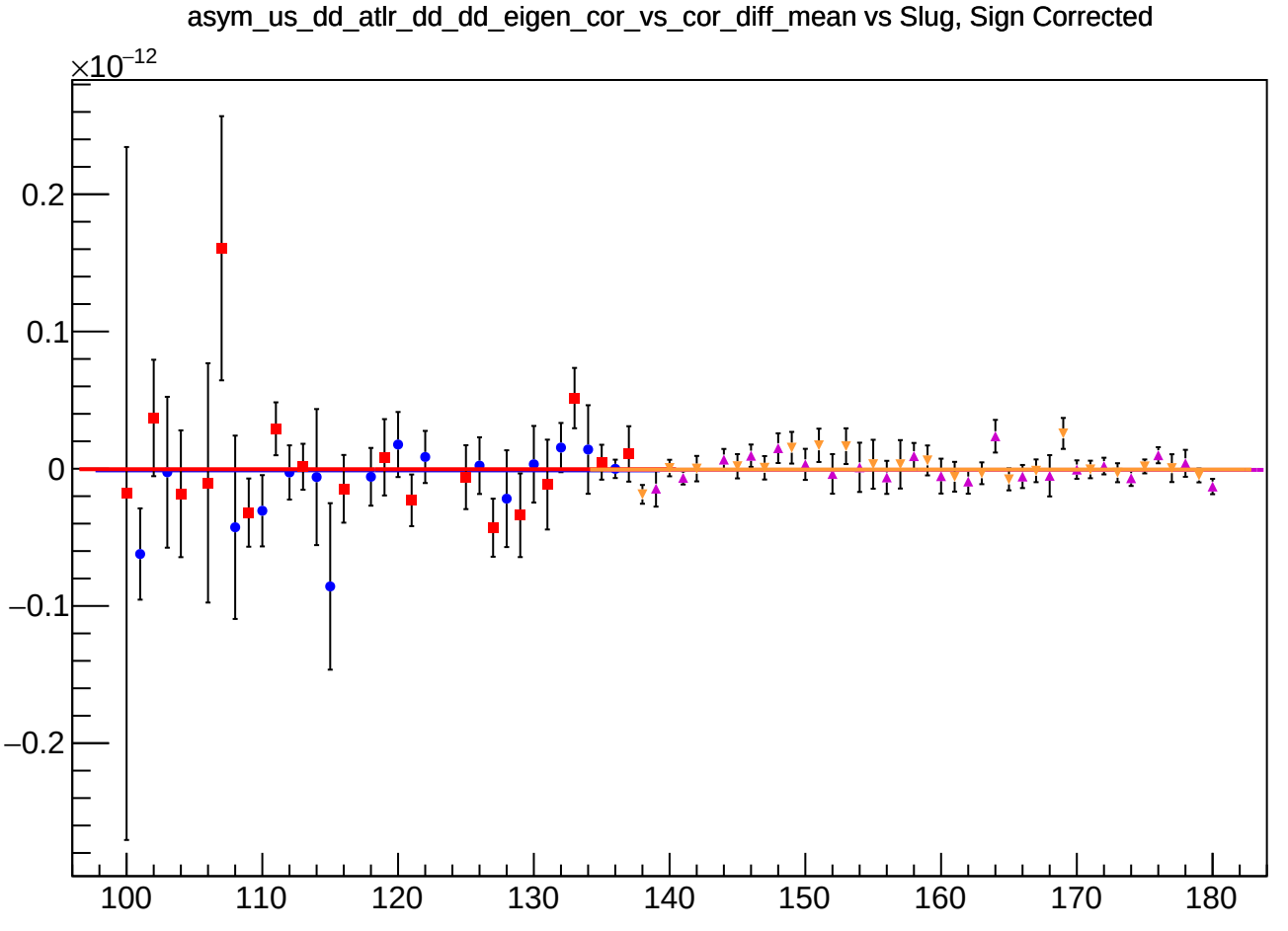
Left: 36.061+/-0.005 χ^2/NDF: 13529121.5/41

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.154+/-0.006 χ^2/NDF:10461269.3/36

Out: 31.242+/-0.006 χ^2/NDF:9889160.9/38

All: 31.696+/-0.004 χ^2/NDF: 20363853.3/75



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:24.0/20

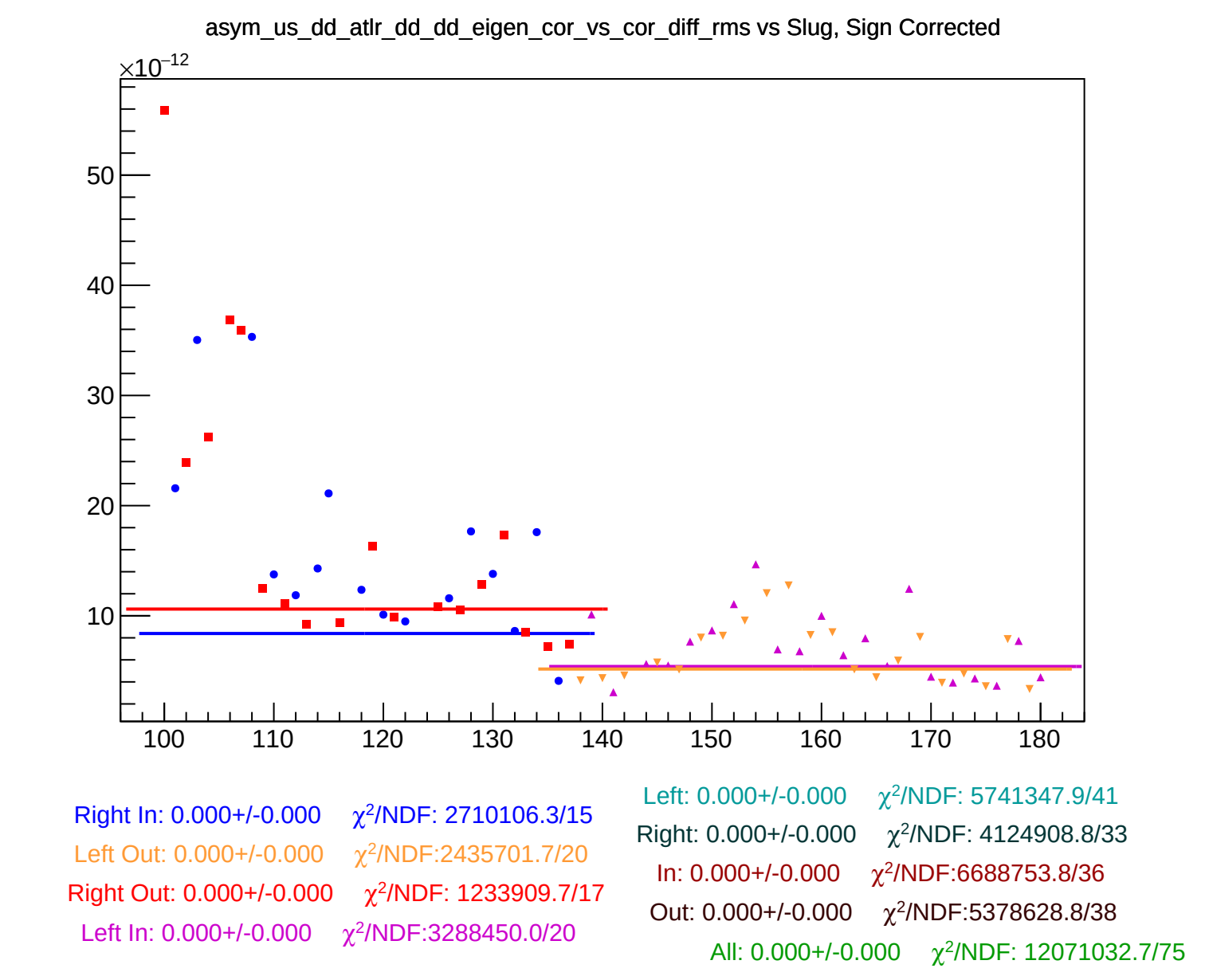
Left: -0.000+/-0.000 χ^2/NDF: 44.9/41

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

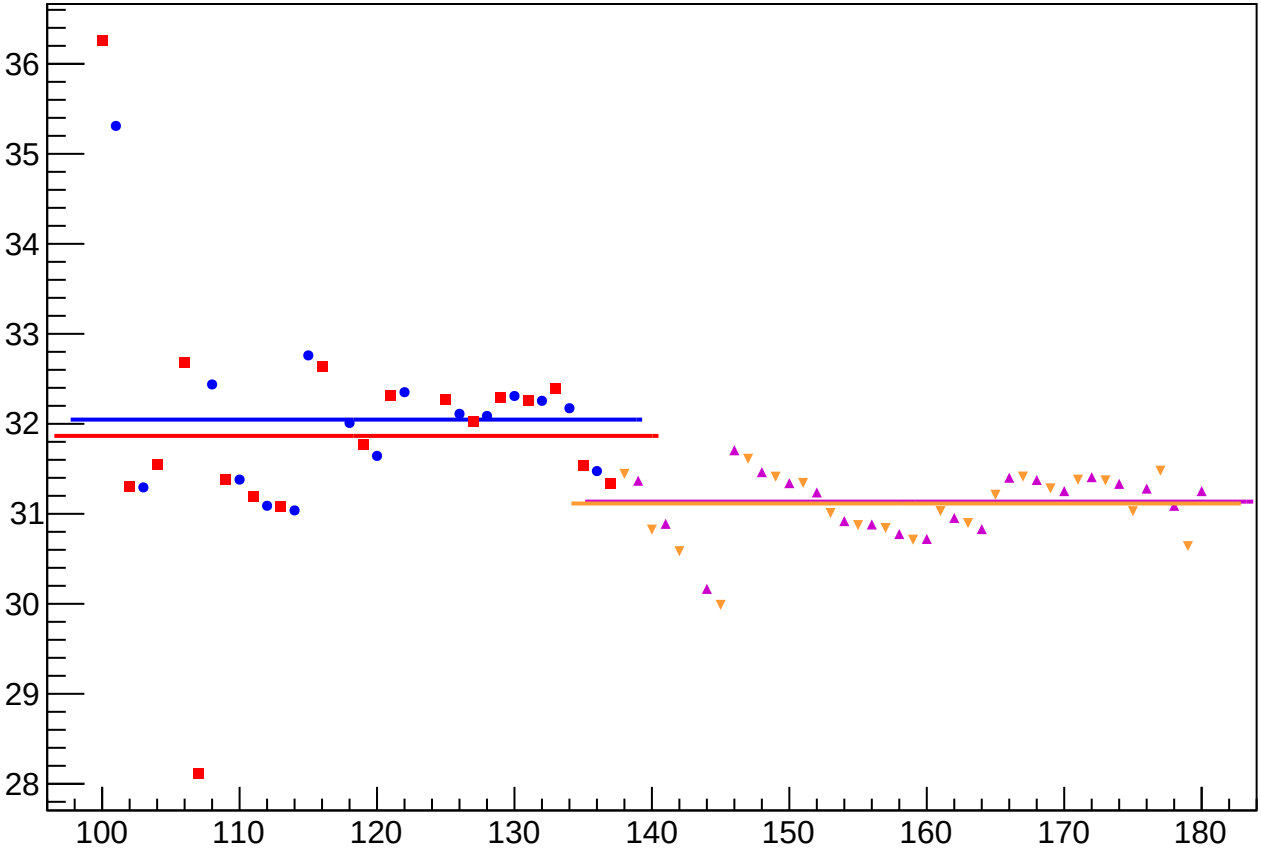
In: -0.000+/-0.000 χ^2/NDF:33.4/36

Out: -0.000+/-0.000 χ^2/NDF:42.0/38

All: -0.000+/-0.000 χ^2/NDF: 75.4/75


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
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2435701.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3288450.0/20
Left: 0.000+/-0.000 χ²/NDF: 5741347.9/41
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6688753.8/36
Out: 0.000+/-0.000 χ²/NDF:5378628.8/38
All: 0.000+/-0.000 χ²/NDF: 12071032.7/75

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.115+/-0.000 χ^2/NDF:313827160.2/20

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.136+/-0.000 χ^2/NDF:278592664.1/20

Left: 31.125+/-0.000 χ^2/NDF: 592976384.7/41

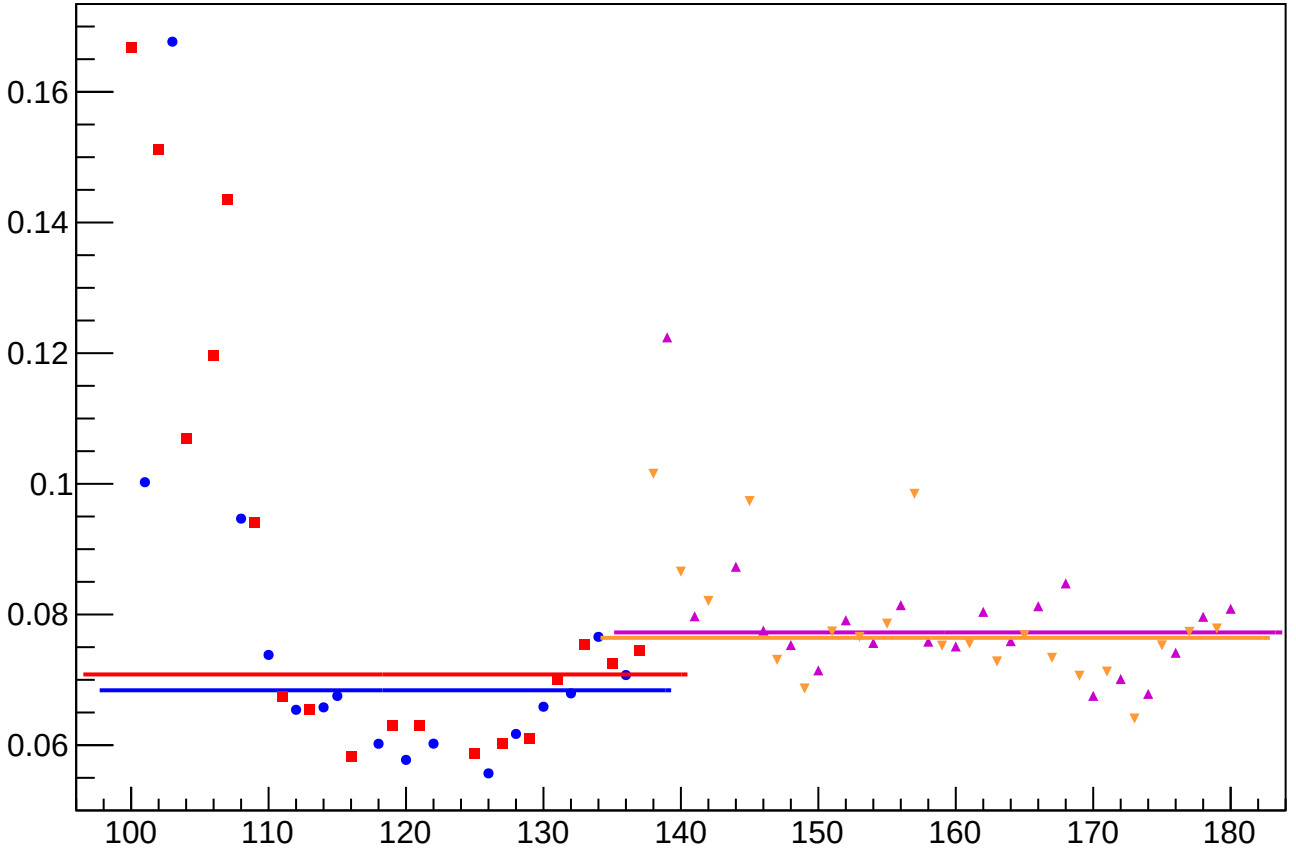
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.445+/-0.000 χ^2/NDF:1911538738.3/36

Out: 31.360+/-0.000 χ^2/NDF:1271857952.2/38

All: 31.403+/-0.000 χ^2/NDF: 3197451012.2/7

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:352403.2/20

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:358416.9/20

Left: 0.077+/-0.000 χ^2/NDF: 712594.9/41

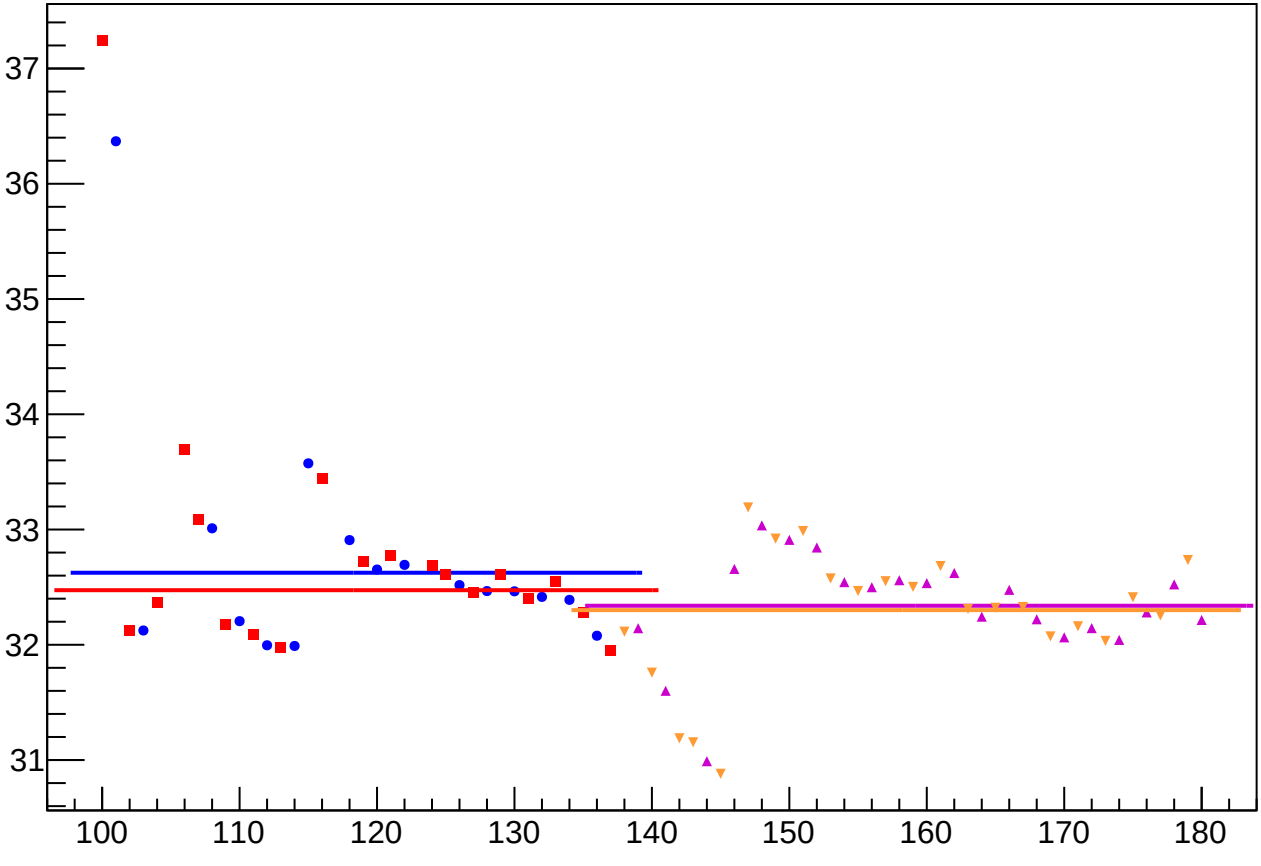
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1200337.1/36

Out: 0.075+/-0.000 χ^2/NDF:1273186.2/38

All: 0.074+/-0.000 χ^2/NDF: 2473999.5/75

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.301+/-0.000 χ^2/NDF:819849036.4/21

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.339+/-0.000 χ^2/NDF:582044134.2/20

Left: 32.320+/-0.000 χ^2/NDF: 1403820735.2/42

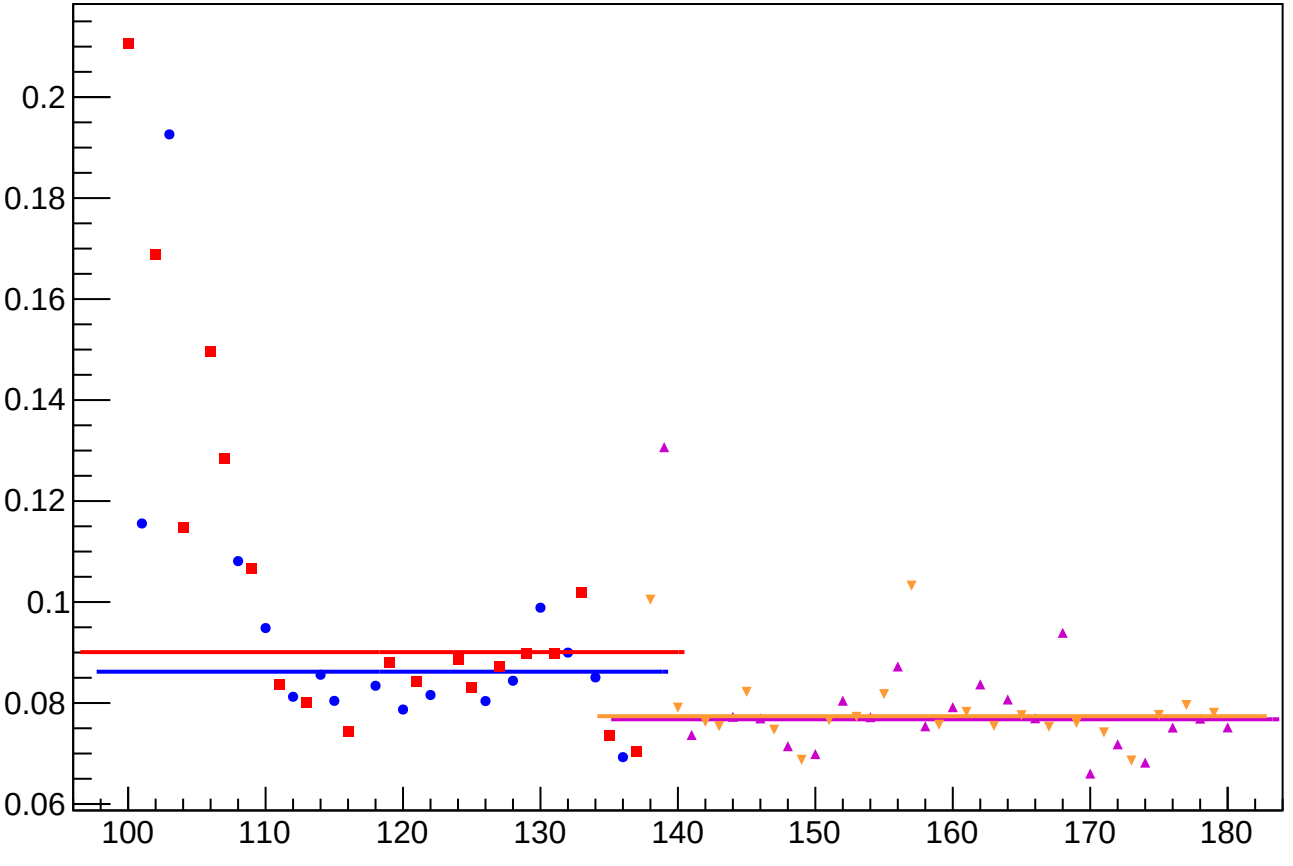
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.407+/-0.000 χ^2/NDF:1373867628.2/36

Out: 32.340+/-0.000 χ^2/NDF:994925852.4/40

All: 32.374+/-0.000 χ^2/NDF: 2376562170.6/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:231274.6/21

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:473602.8/20

Left: 0.077+/-0.000 χ^2/NDF: 705885.3/42

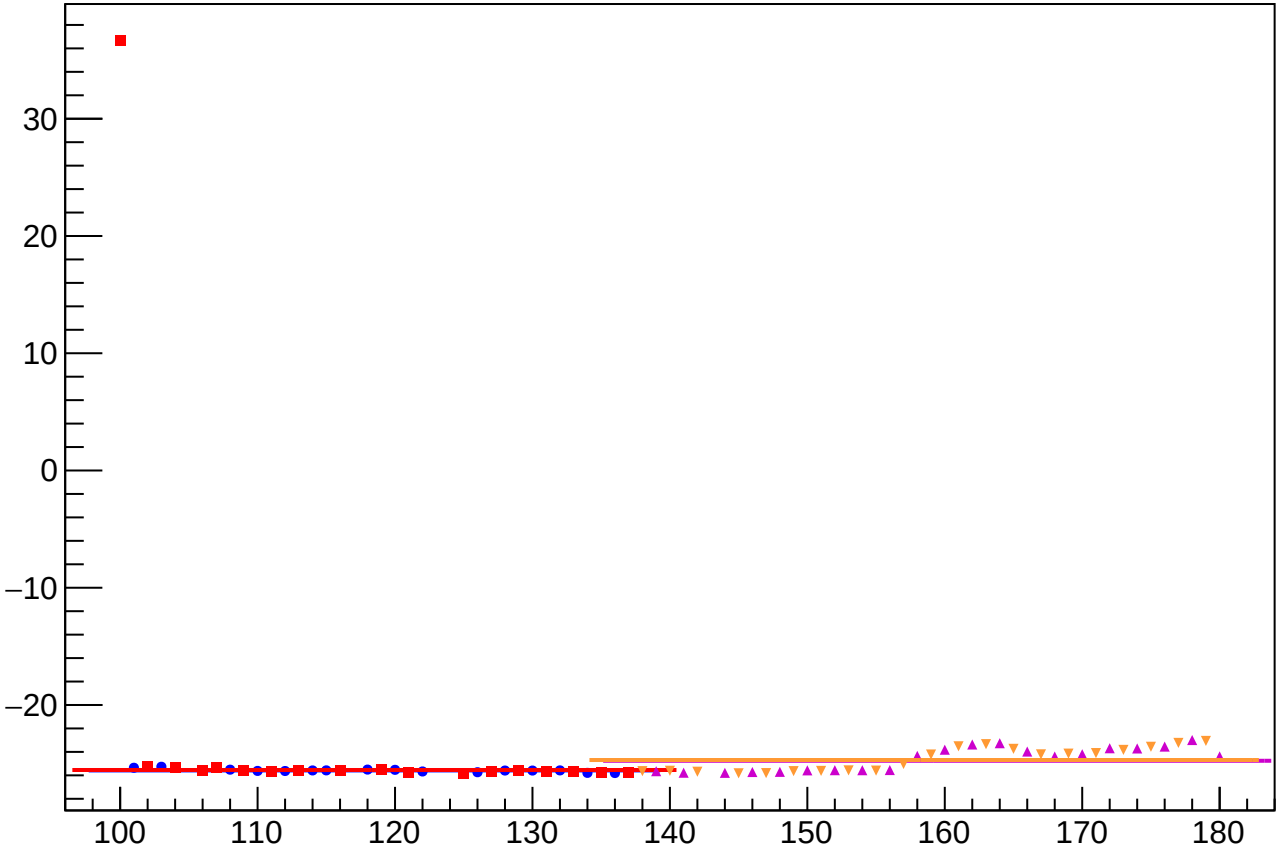
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1186531.0/36

Out: 0.080+/-0.000 χ^2/NDF:1050022.9/40

All: 0.080+/-0.000 χ^2/NDF: 2242269.2/77

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.693+/-0.000 χ^2/NDF:8108665630.1/20

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.757+/-0.000 χ^2/NDF:8064678005.3/20

Left: -24.726+/-0.000 χ^2/NDF: 16189969380.9/41

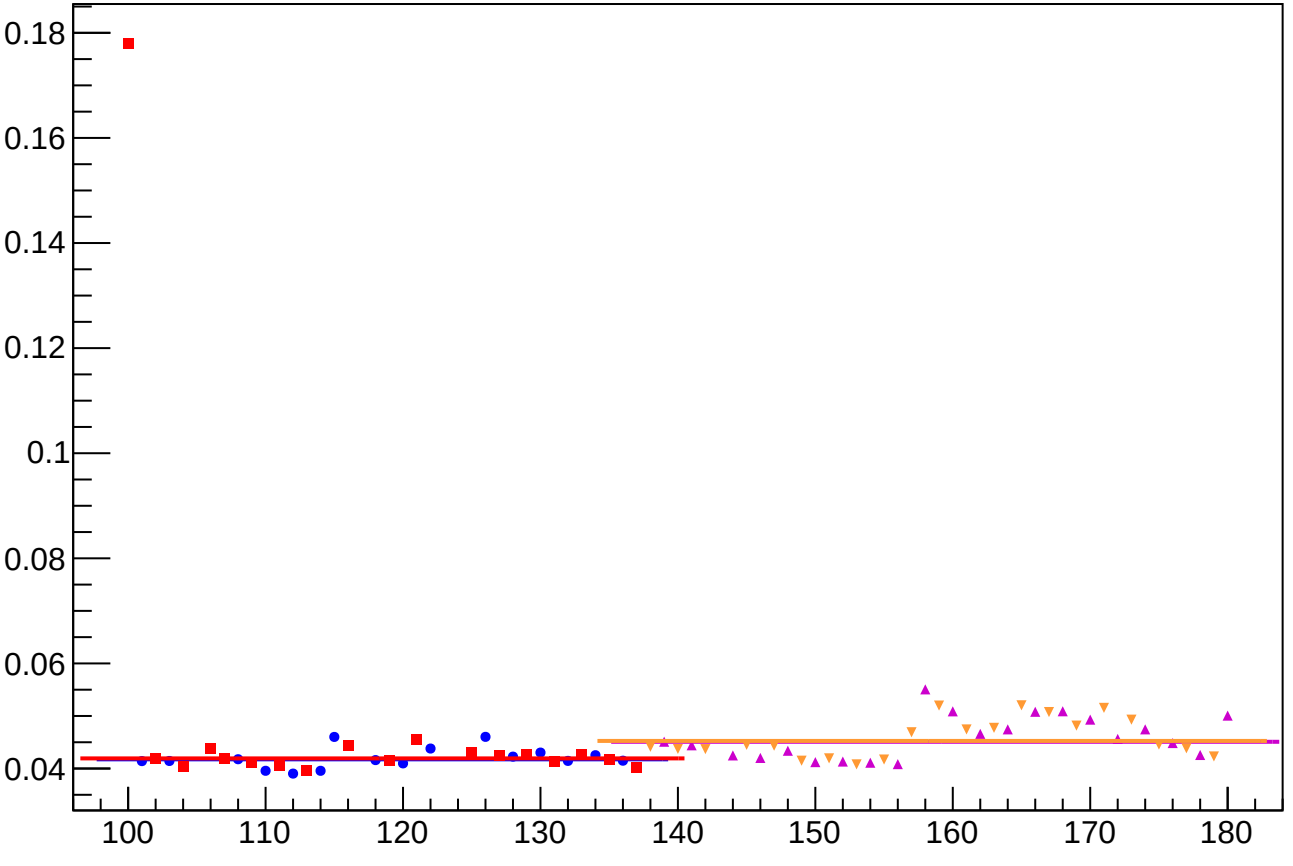
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.031+/-0.000 χ^2/NDF:10014090925.2/36

Out: -24.985+/-0.000 χ^2/NDF:18974050815.9/38

All: -25.008+/-0.000 χ^2/NDF: 29001099917.2

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:185195.2/20

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:238945.5/20

Left: 0.045+/-0.000 χ^2/NDF: 424359.1/41

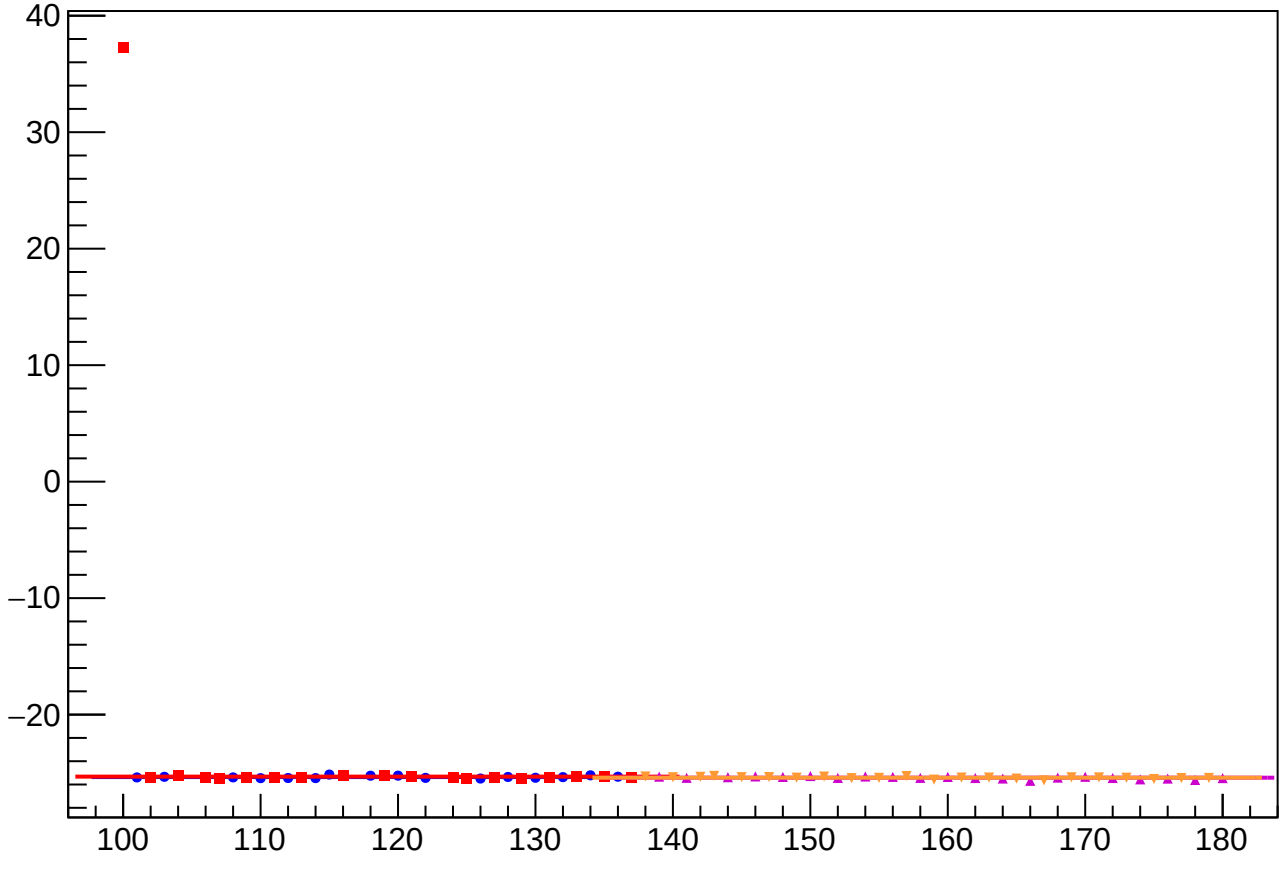
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:320878.5/36

Out: 0.044+/-0.000 χ^2/NDF:345172.2/38

All: 0.044+/-0.000 χ^2/NDF: 666278.5/75

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.413+/-0.000 χ^2/NDF:46502349.3/21

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.415+/-0.000 χ^2/NDF:54946791.1/20

Left: -25.414+/-0.000 χ^2/NDF: 101453379.4/42

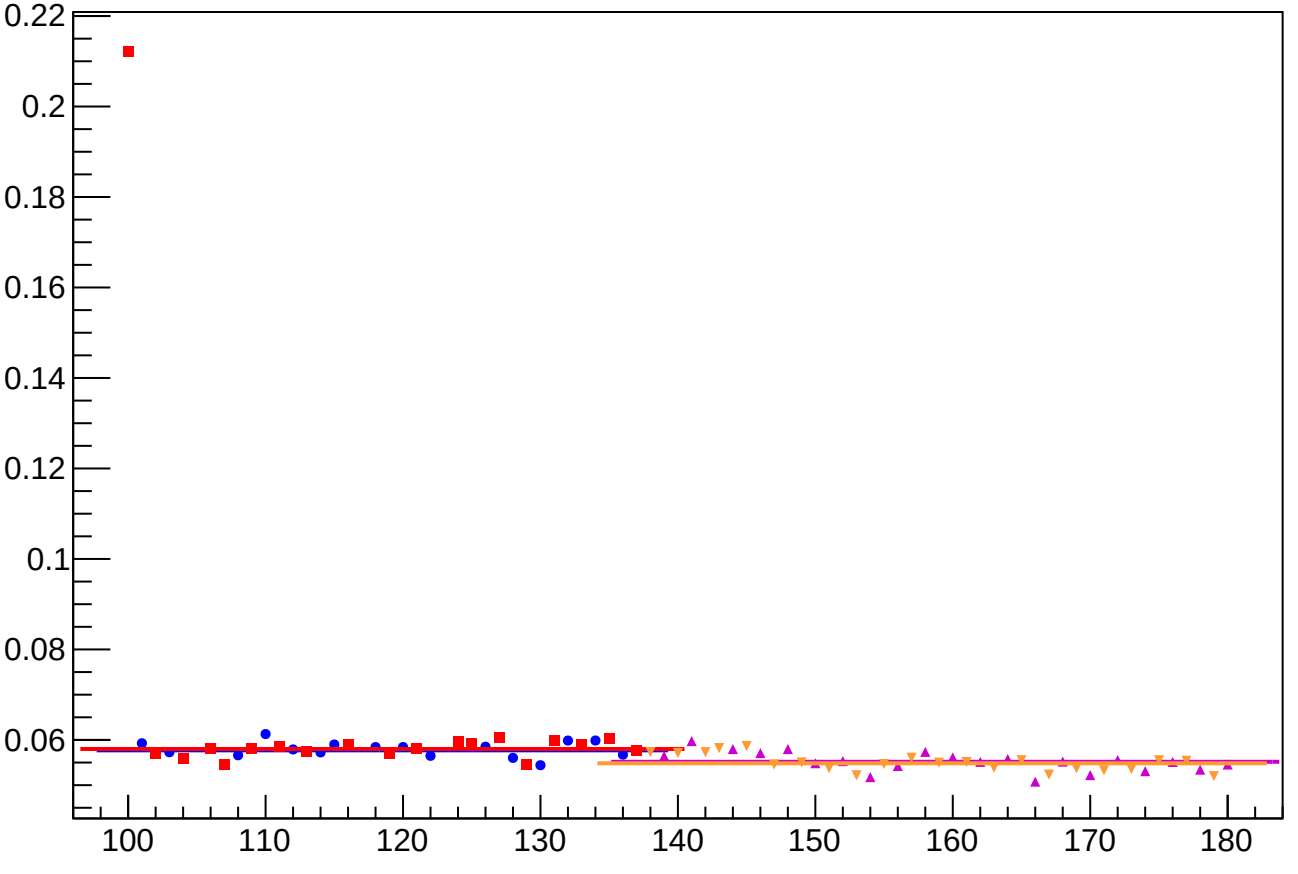
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.400+/-0.000 χ^2/NDF:72722512.6/36

Out: -25.388+/-0.000 χ^2/NDF:6374367728.0/40

All: -25.394+/-0.000 χ^2/NDF: 6447594500.3/

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:36594.7/21

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49276.9/20

Left: 0.055+/-0.000 χ^2/NDF: 86504.2/42

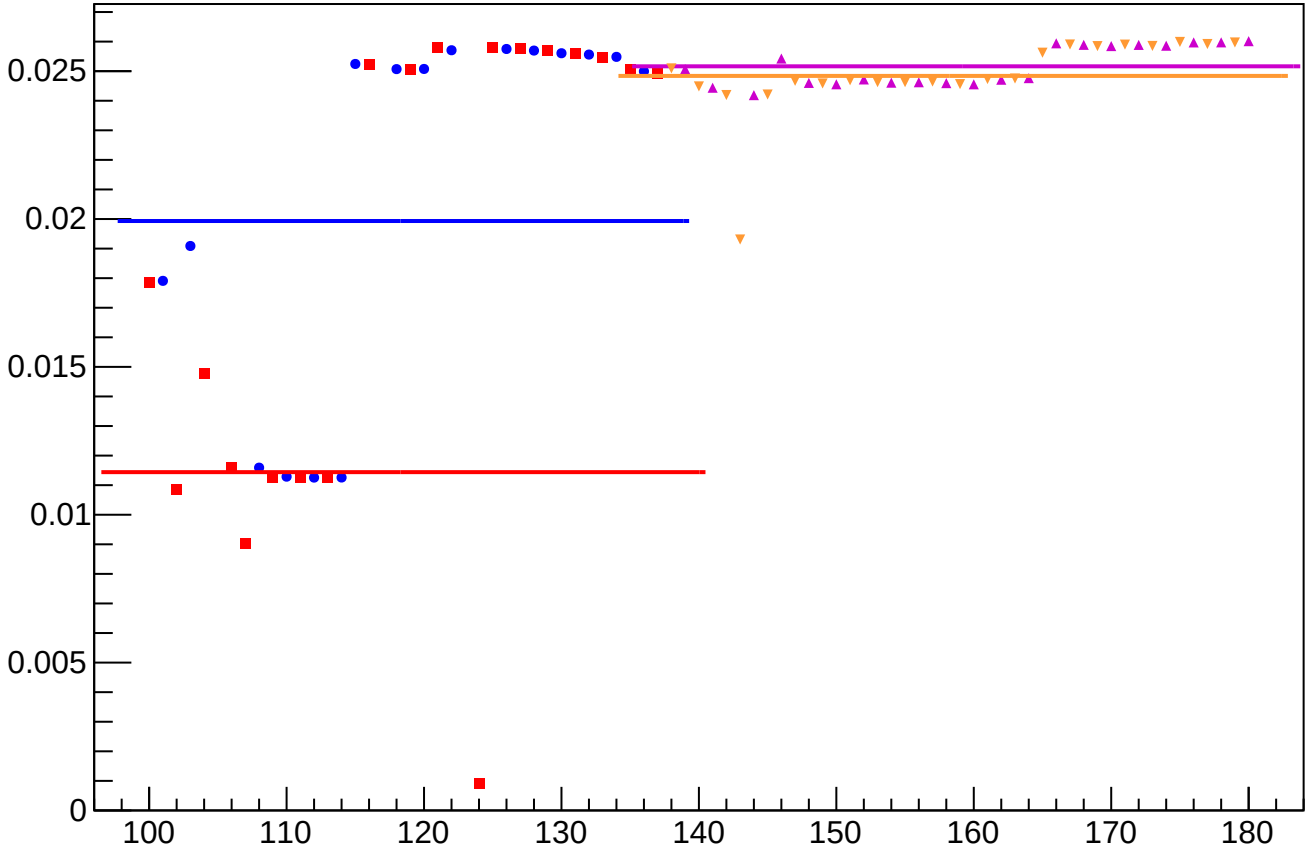
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:80483.0/36

Out: 0.056+/-0.000 χ^2/NDF:156415.9/40

All: 0.056+/-0.000 χ^2/NDF: 237100.9/77

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7096492492.6/21

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:1434787745.1/20

Left: 0.025+/-0.000 χ^2/NDF: 8713553285.9/42

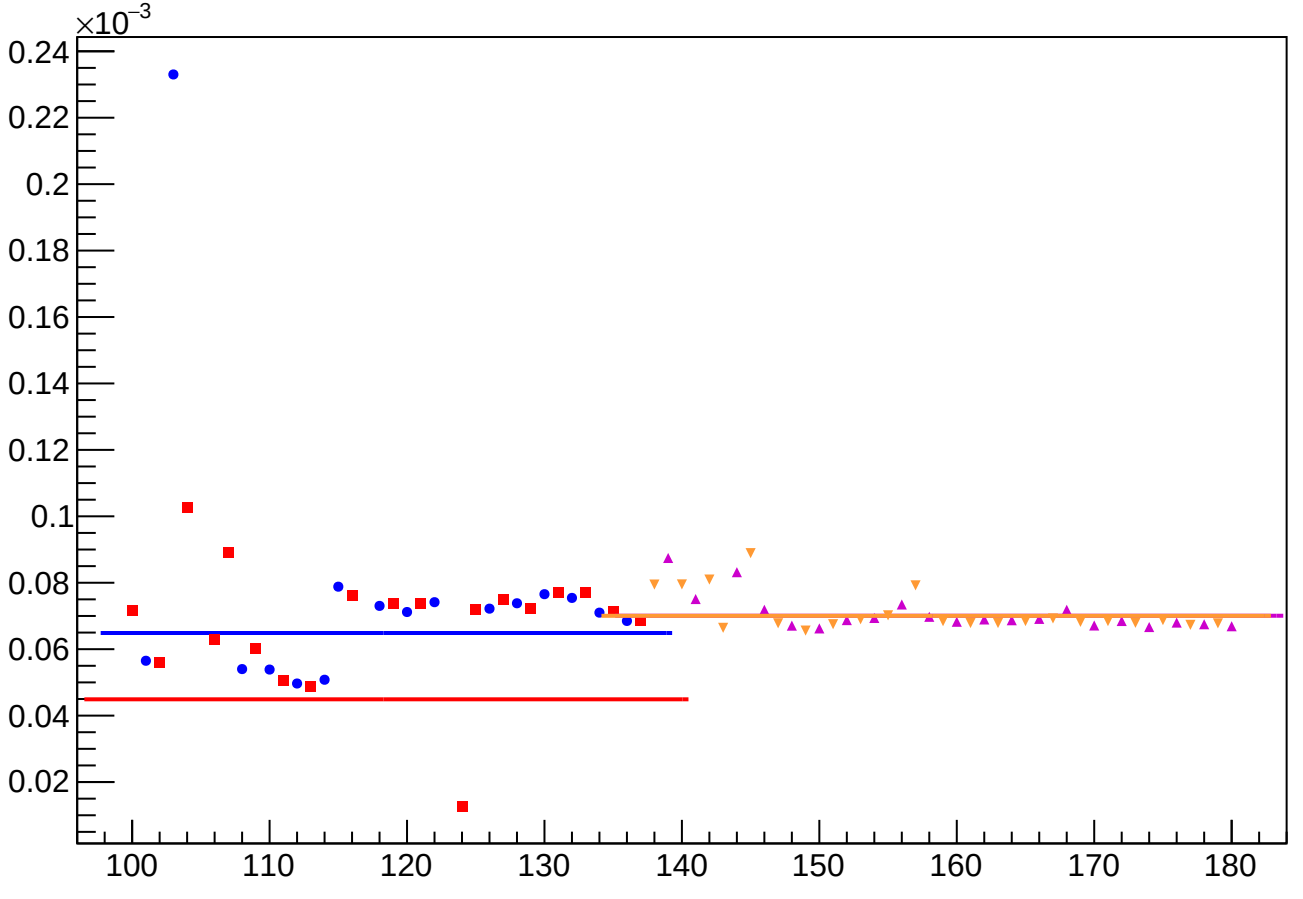
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.024+/-0.000 χ^2/NDF:93245219205.9/36

Out: 0.019+/-0.000 χ^2/NDF:523361208357.4/40

All: 0.021+/-0.000 χ^2/NDF: 667681456927.1

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:180268.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:148179.1/20

Left: 0.000+/-0.000 χ^2/NDF: 328448.9/42

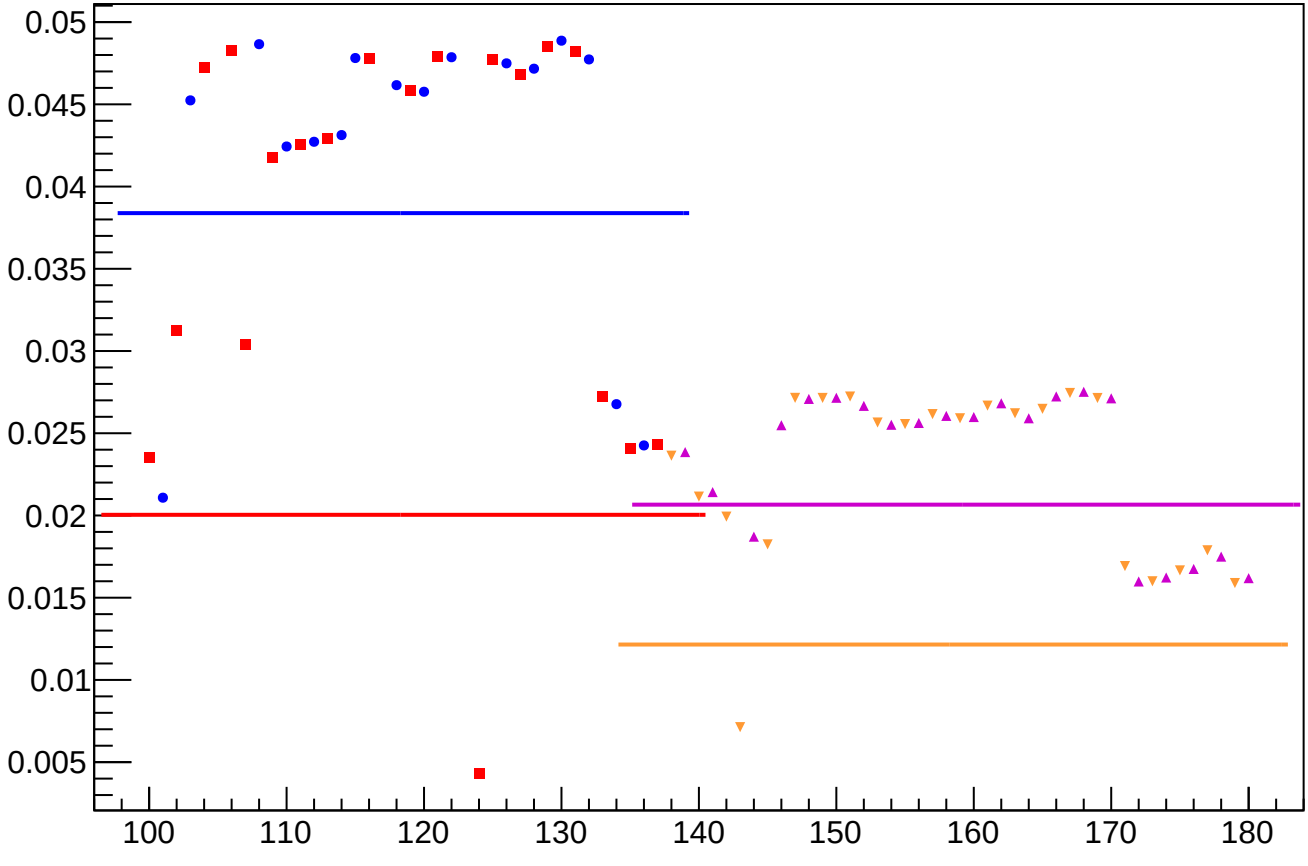
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1022936.2/36

Out: 0.000+/-0.000 χ^2/NDF:5797990.1/40

All: 0.000+/-0.000 χ^2/NDF: 7259844.4/77

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35507464206.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.021+/-0.000 χ^2/NDF:6021898668.7/20

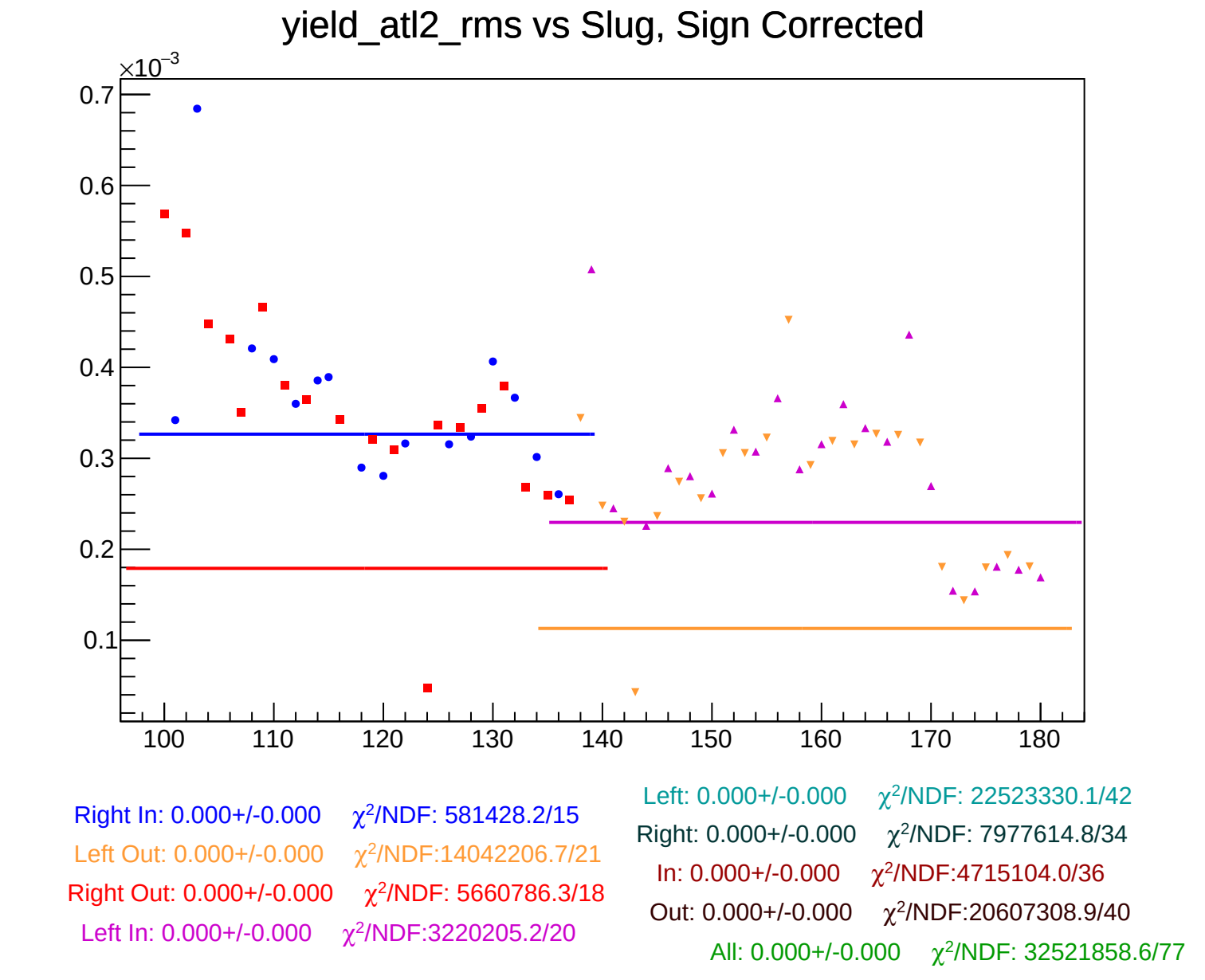
Left: 0.015+/-0.000 χ^2/NDF: 55534580374.7/42

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

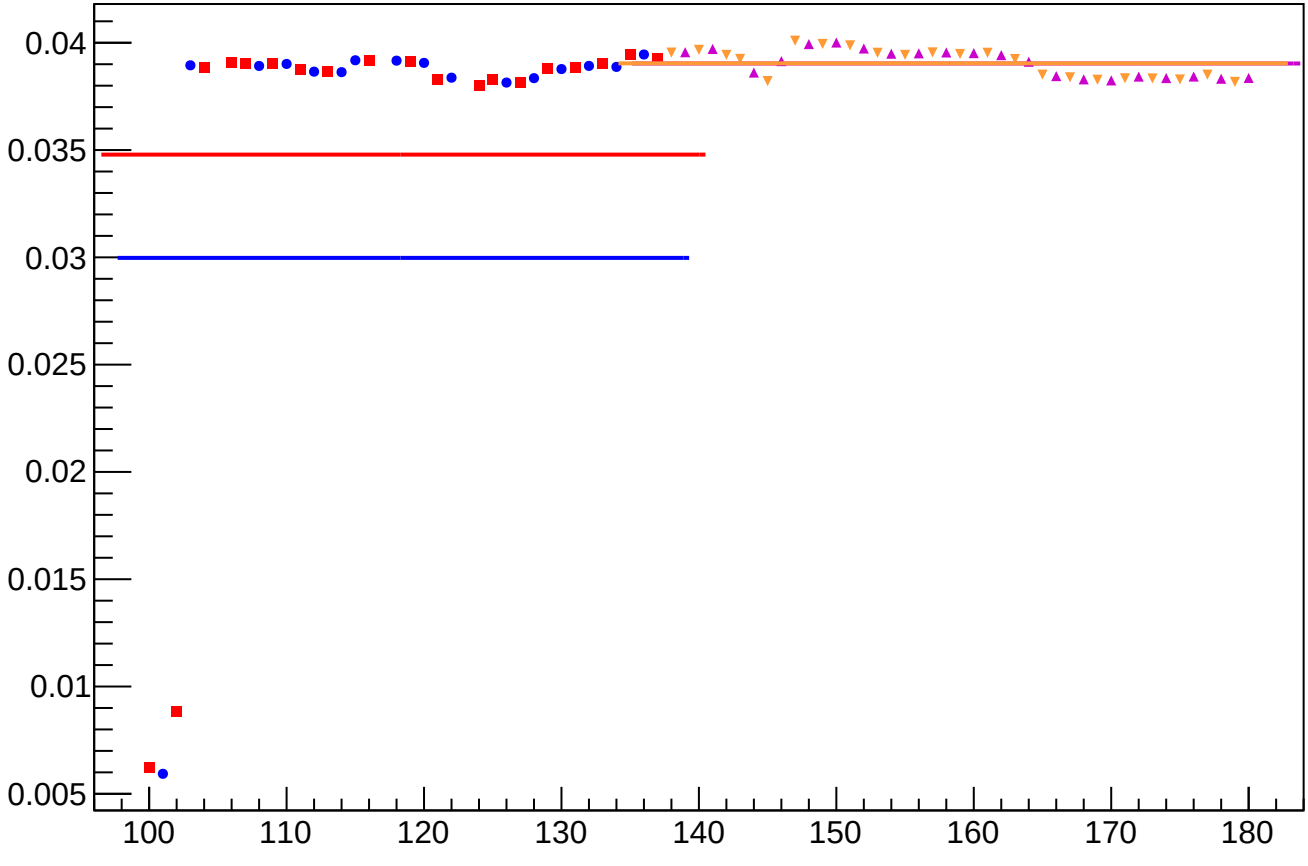
In: 0.024+/-0.000 χ^2/NDF:28353979711.0/36

Out: 0.013+/-0.000 χ^2/NDF:84142712698.2/40

All: 0.016+/-0.000 χ^2/NDF: 138322554066.6


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14042206.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:3220205.2/20
Left: 0.000+/-0.000 χ²/NDF: 22523330.1/42
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:4715104.0/36
Out: 0.000+/-0.000 χ²/NDF:20607308.9/40
All: 0.000+/-0.000 χ²/NDF: 32521858.6/77

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:433389688.2/21

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:386973160.4/20

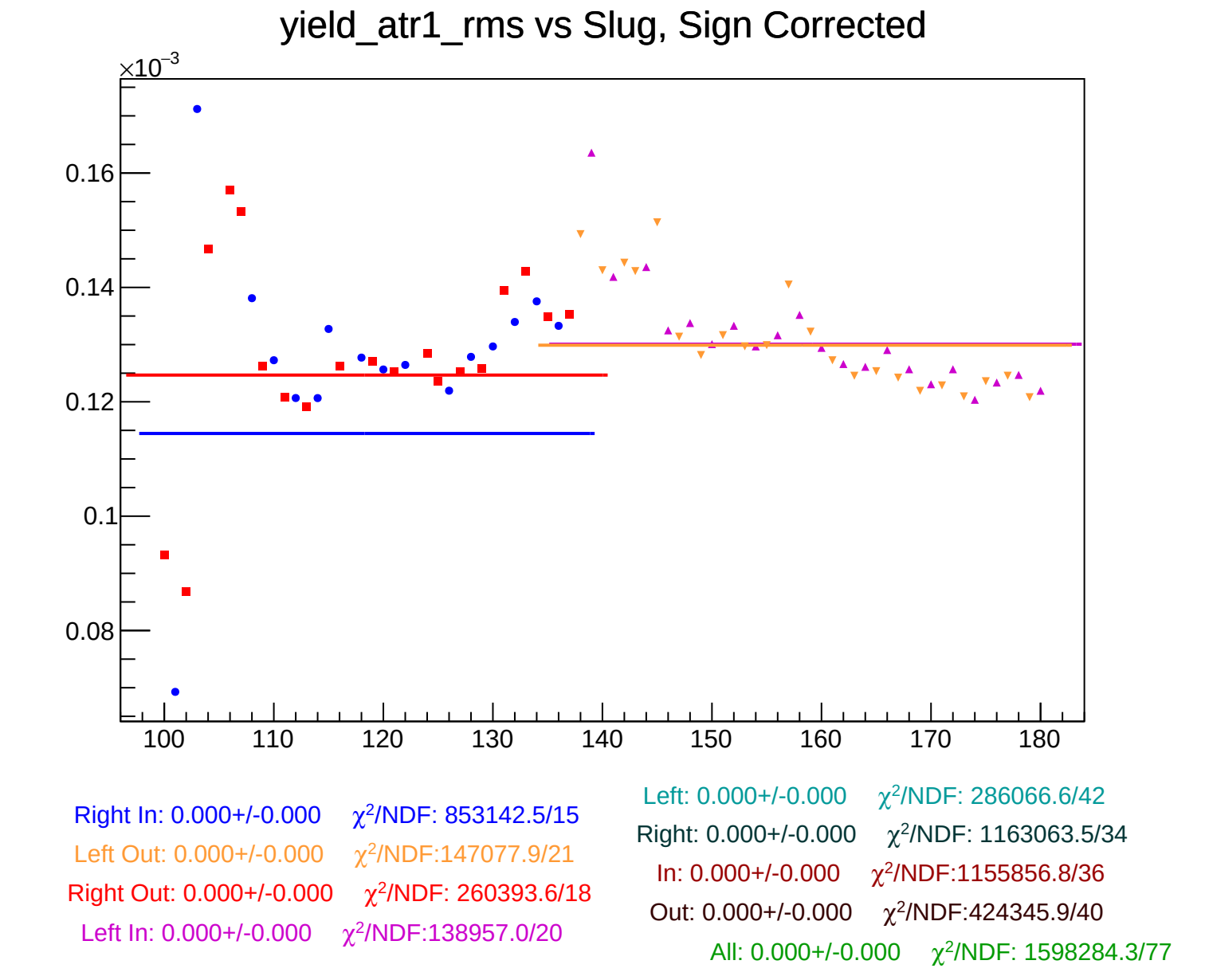
Left: 0.039+/-0.000 χ^2/NDF: 820386473.6/42

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

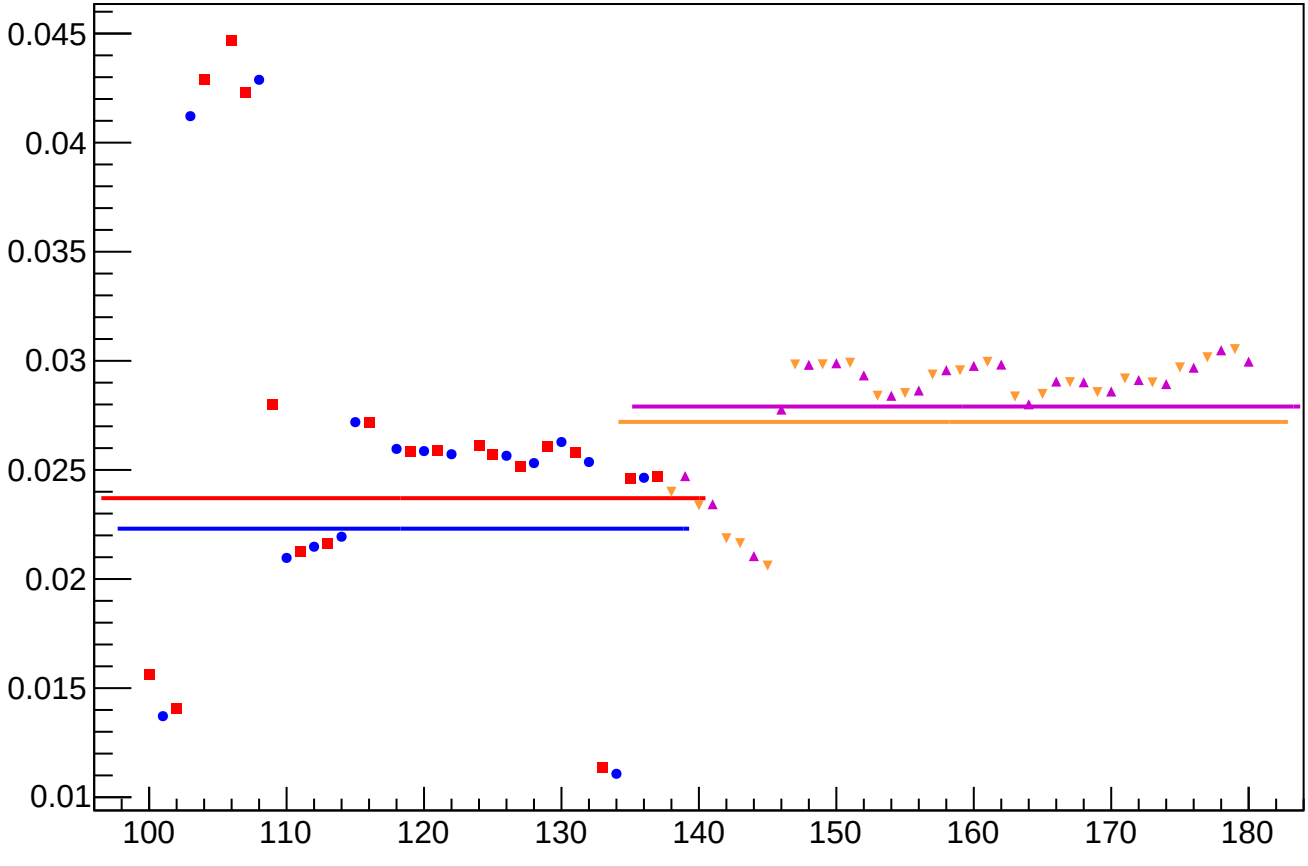
In: 0.036+/-0.000 χ^2/NDF:136218042106.9/36

Out: 0.038+/-0.000 χ^2/NDF:53289555457.4/40

All: 0.037+/-0.000 χ^2/NDF: 191807304529.8


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:147077.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:138957.0/20
Left: 0.000+/-0.000 χ²/NDF: 286066.6/42
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1155856.8/36
Out: 0.000+/-0.000 χ²/NDF:424345.9/40
All: 0.000+/-0.000 χ²/NDF: 1598284.3/77

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:2150526981.1/21

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1445841728.2/20

Left: 0.028+/-0.000 χ^2/NDF: 3641783167.1/42

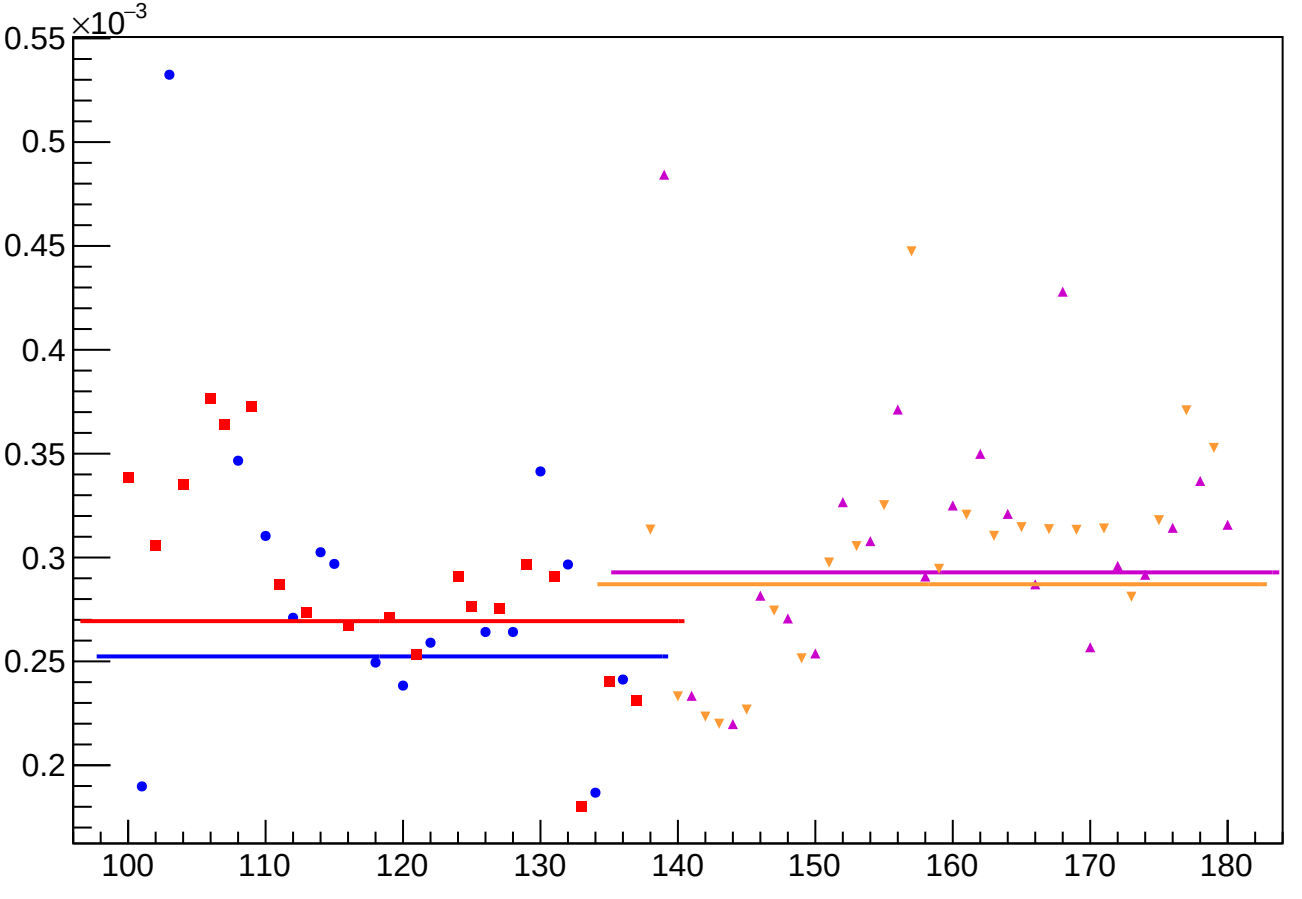
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8449815632.9/36

Out: 0.026+/-0.000 χ^2/NDF:8469352929.2/40

All: 0.026+/-0.000 χ^2/NDF: 16921770938.7/7

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:812370.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:967880.9/20

Left: 0.000+/-0.000 χ^2/NDF: 1786259.3/42

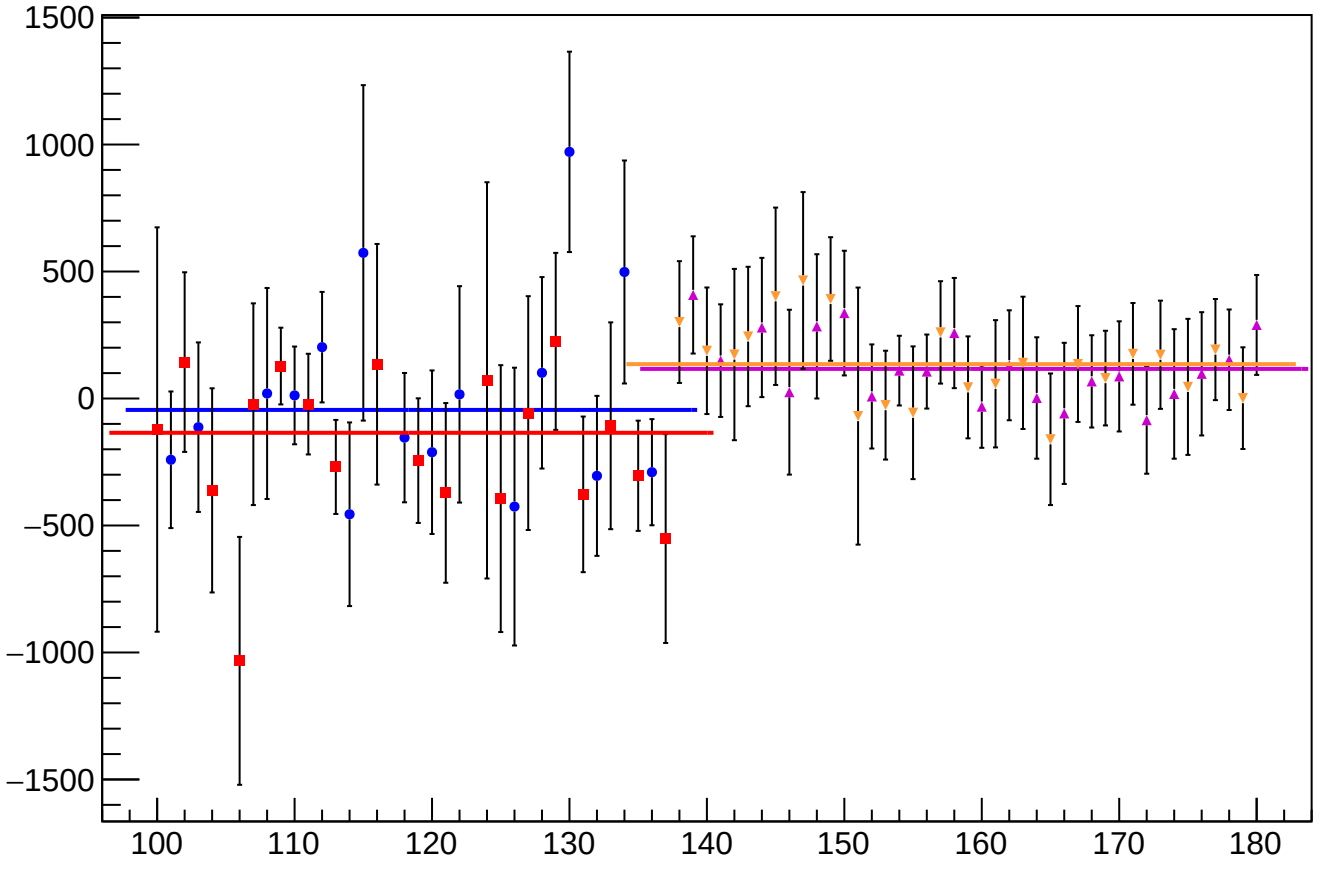
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1883889.8/36

Out: 0.000+/-0.000 χ^2/NDF:1296747.0/40

All: 0.000+/-0.000 χ^2/NDF: 3182790.5/77

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: 135.281+/-51.074 χ^2/NDF:7.3/21

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 116.522+/-45.467 χ^2/NDF:7.4/20

Left: 124.816+/-33.960 χ^2/NDF: 14.8/42

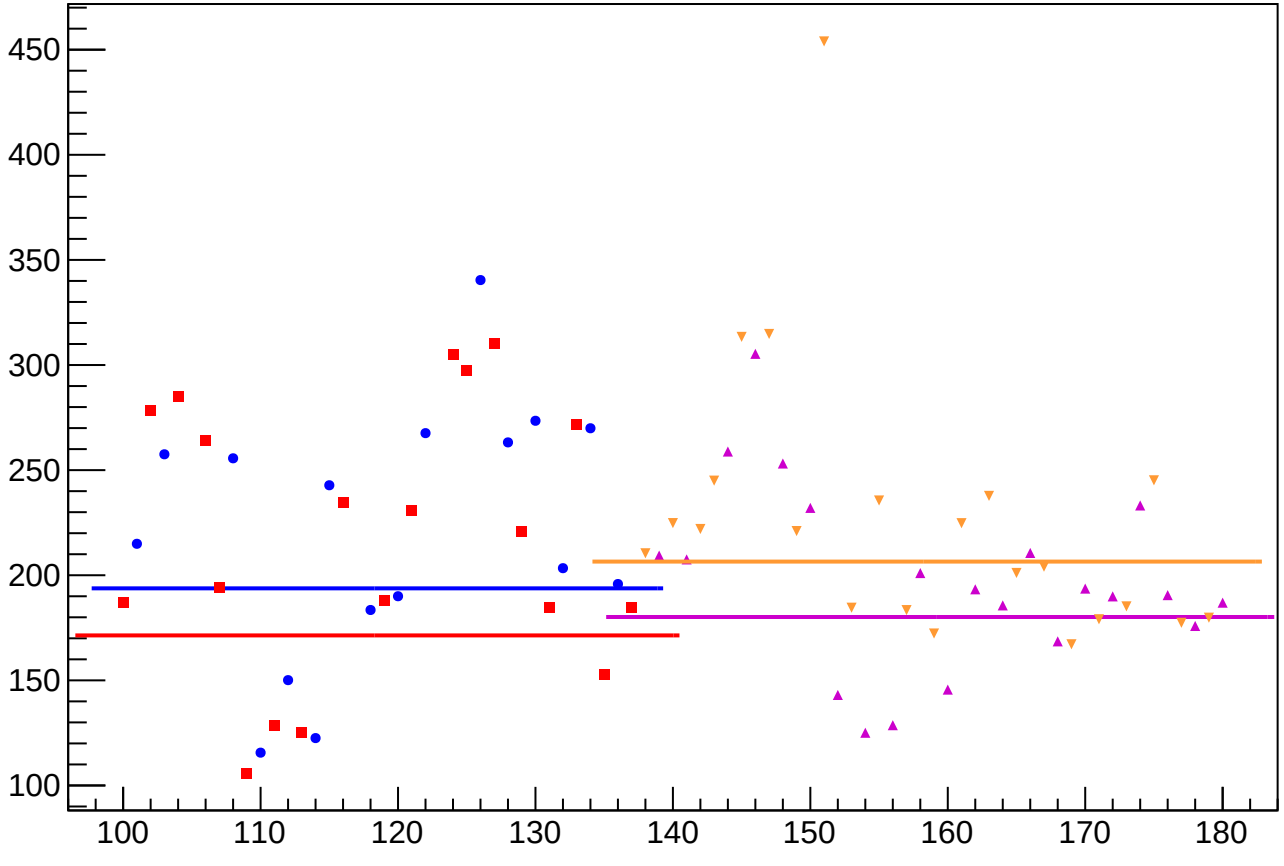
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 74.135+/-39.044 χ^2/NDF:26.1/36

Out: 37.913+/-40.851 χ^2/NDF:30.4/40

All: 56.843+/-28.226 χ^2/NDF: 56.9/77

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: 206.500+/-0.036 χ^2/NDF:1358310.1/21

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

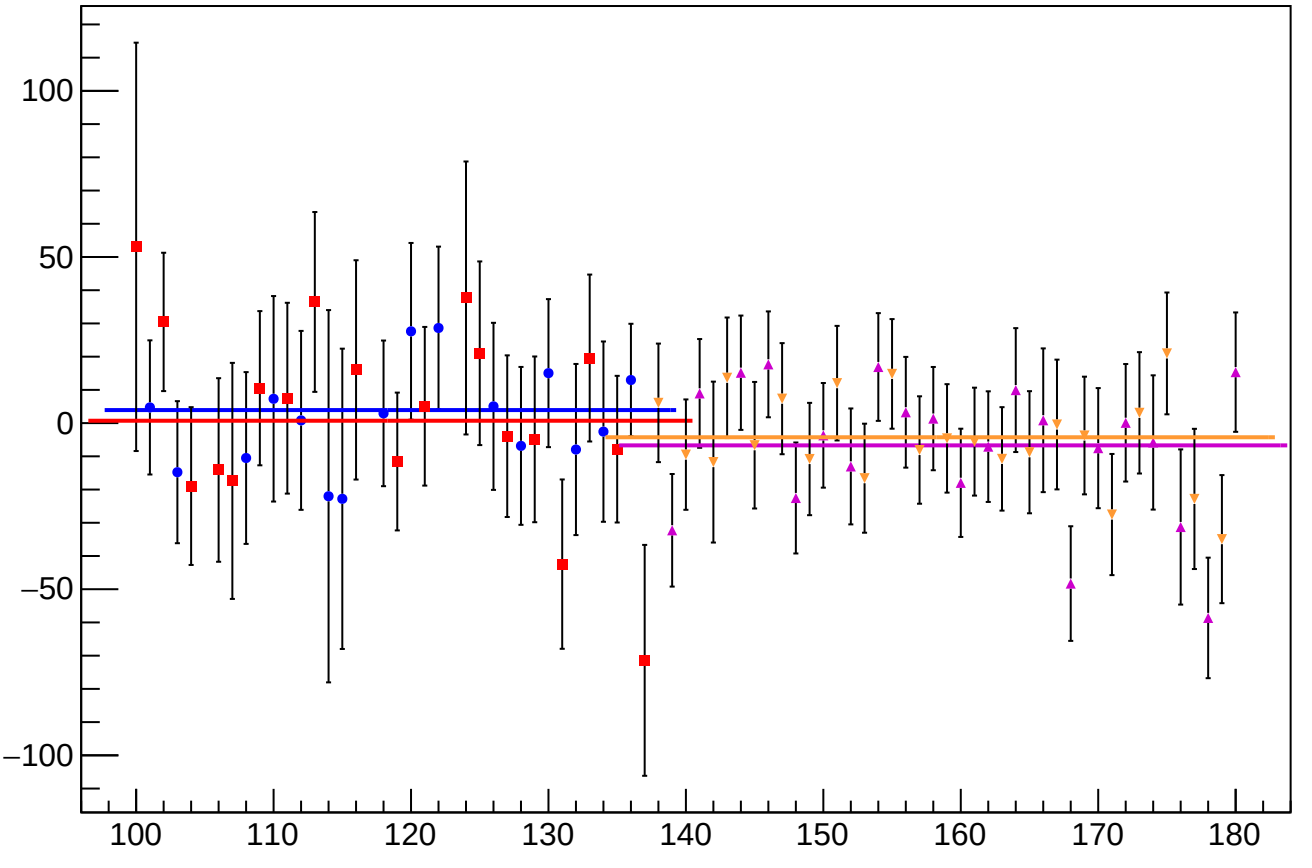
Left: 191.794+/-0.024 χ^2/NDF: 3294364.7/42

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.718+/-0.028 χ^2/NDF:2734114.8/36

Out: 193.849+/-0.029 χ^2/NDF:3357031.8/40

All: 188.554+/-0.020 χ^2/NDF: 6155422.6/77



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -4.261+/-3.772 χ^2/NDF:12.3/21

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -6.702+/-3.796 χ^2/NDF:29.1/20

Left: -5.474+/-2.676 χ^2/NDF: 41.6/42

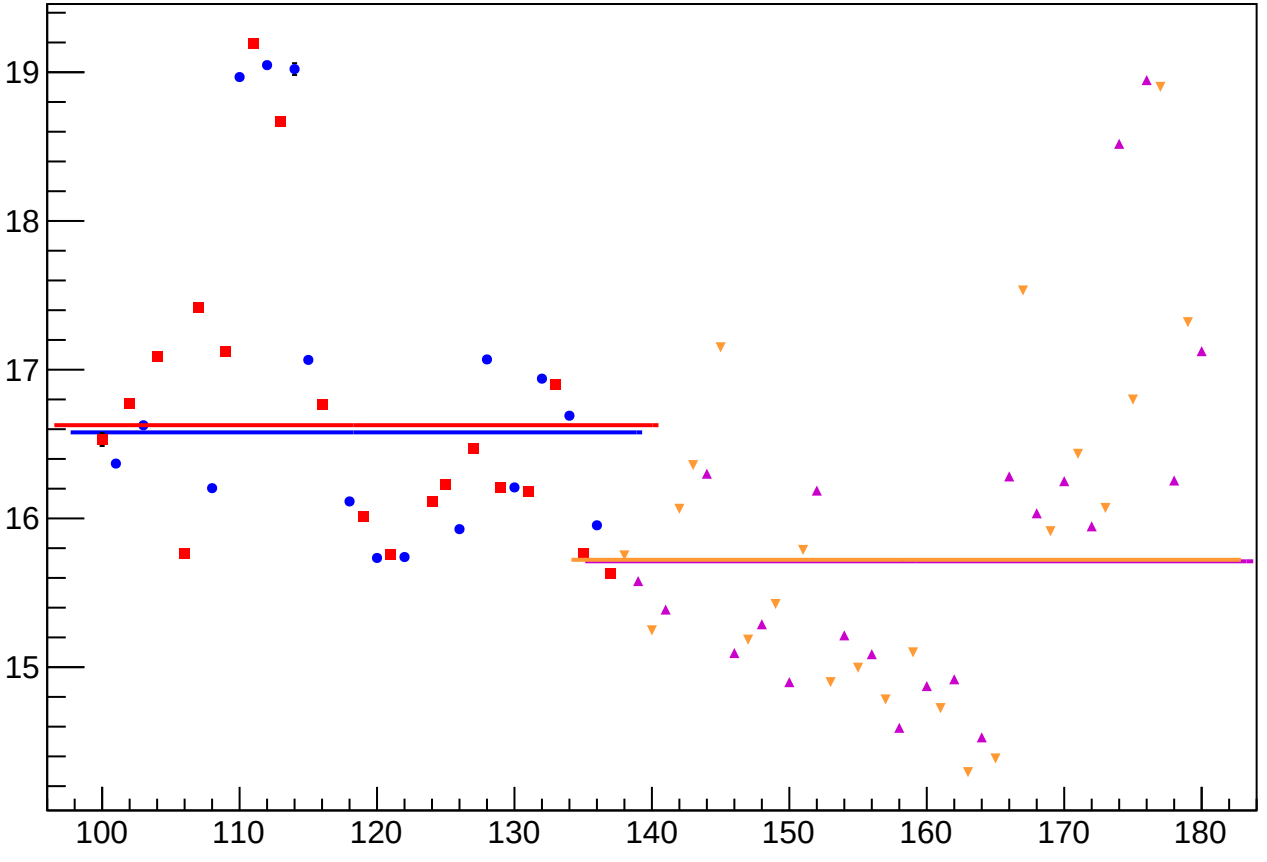
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -3.786+/-3.233 χ^2/NDF:35.8/36

Out: -2.877+/-3.205 χ^2/NDF:28.7/40

All: -3.328+/-2.276 χ^2/NDF: 64.5/77

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: 15.722+/-0.003 χ^2/NDF:159190.8/21

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.712+/-0.003 χ^2/NDF:142651.9/20

Left: 15.717+/-0.002 χ^2/NDF: 301850.0/42

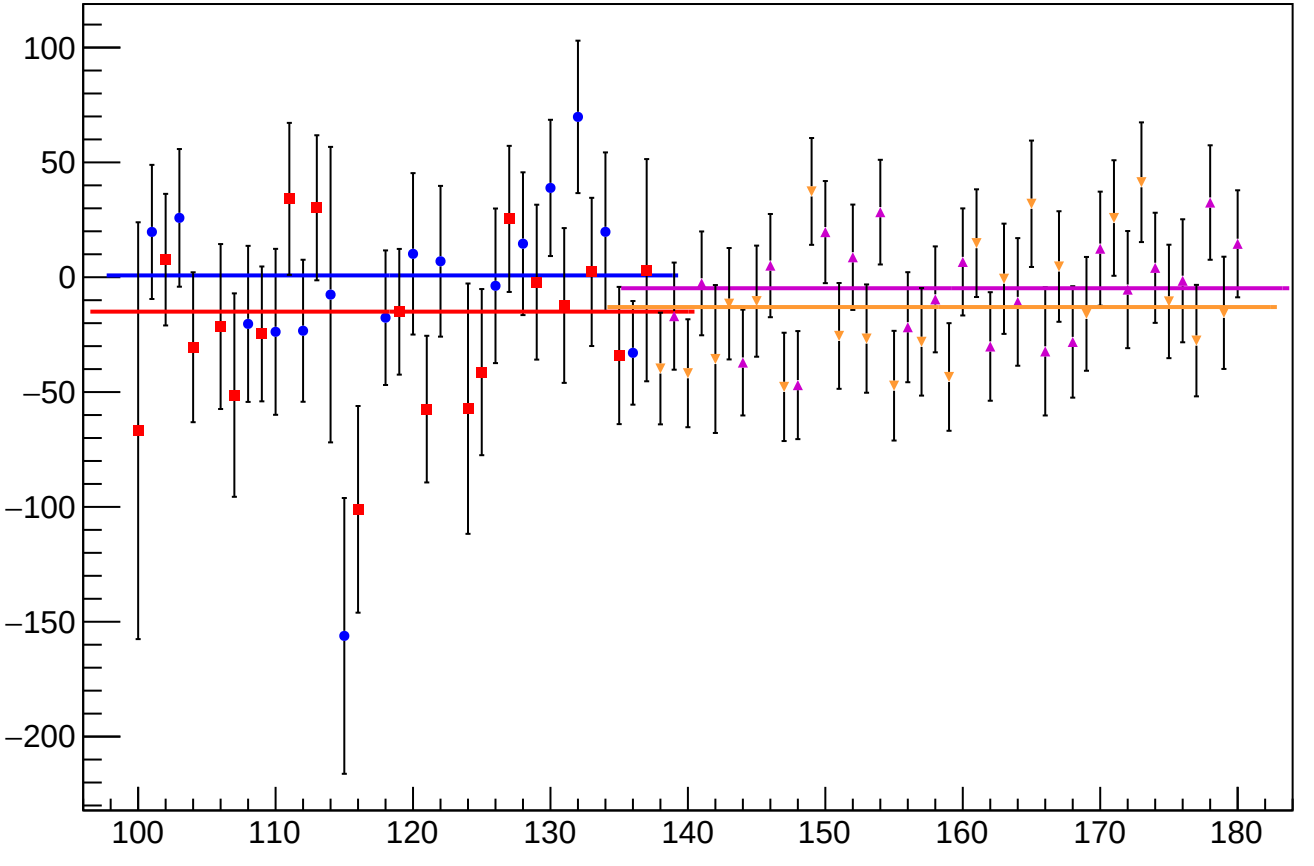
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.950+/-0.002 χ^2/NDF:215856.4/36

Out: 15.974+/-0.002 χ^2/NDF:234672.6/40

All: 15.962+/-0.002 χ^2/NDF: 450584.5/77

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.985+/-5.206 χ^2/NDF:26.9/21

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -4.791+/-5.227 χ^2/NDF:16.8/20

Left: -8.905+/-3.689 χ^2/NDF: 44.9/42

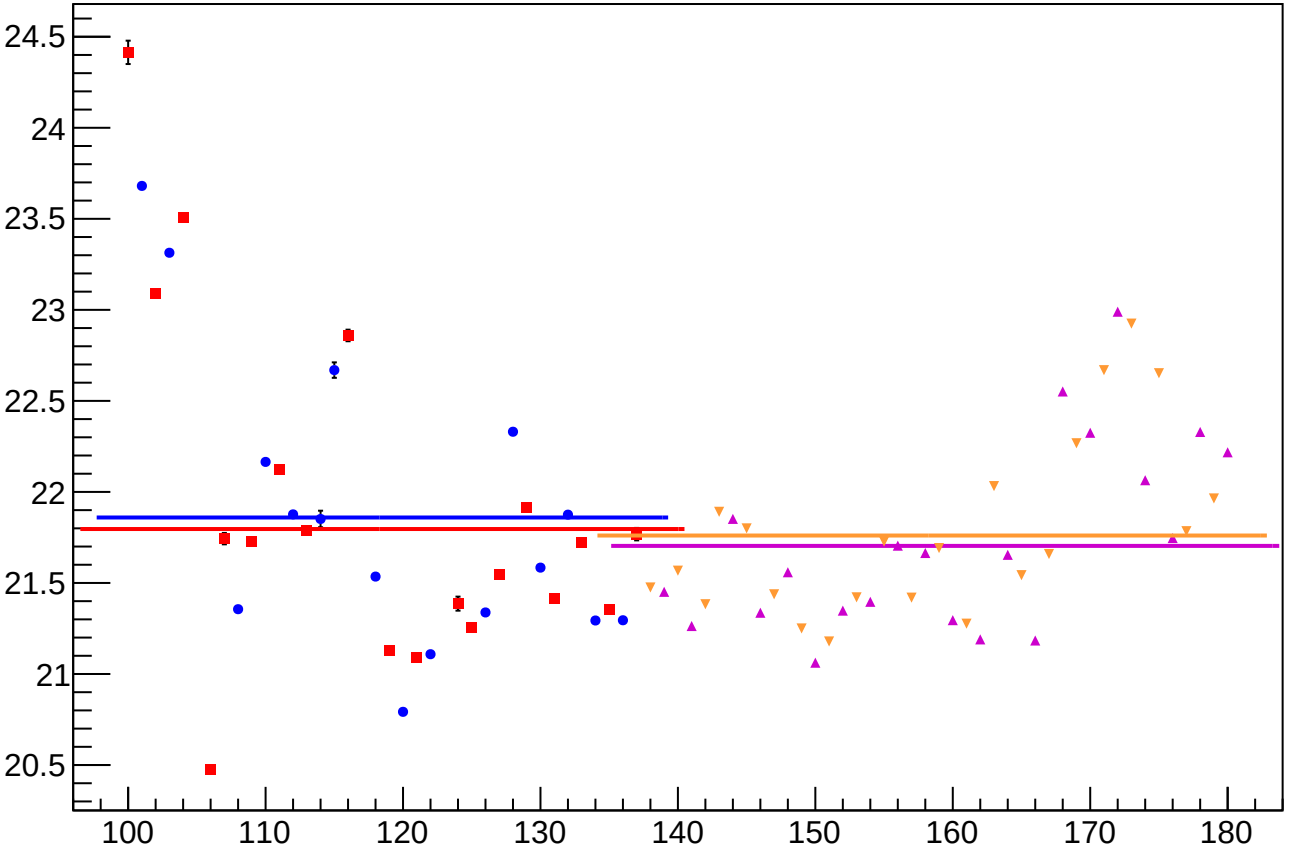
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.157+/-4.396 χ^2/NDF:35.8/36

Out: -13.584+/-4.356 χ^2/NDF:42.3/40

All: -8.418+/-3.094 χ^2/NDF: 80.9/77

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: 21.761+/-0.004 χ^2/NDF:15671.7/21

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.704+/-0.004 χ^2/NDF:17934.7/20

Left: 21.732+/-0.003 χ^2/NDF: 33725.7/42

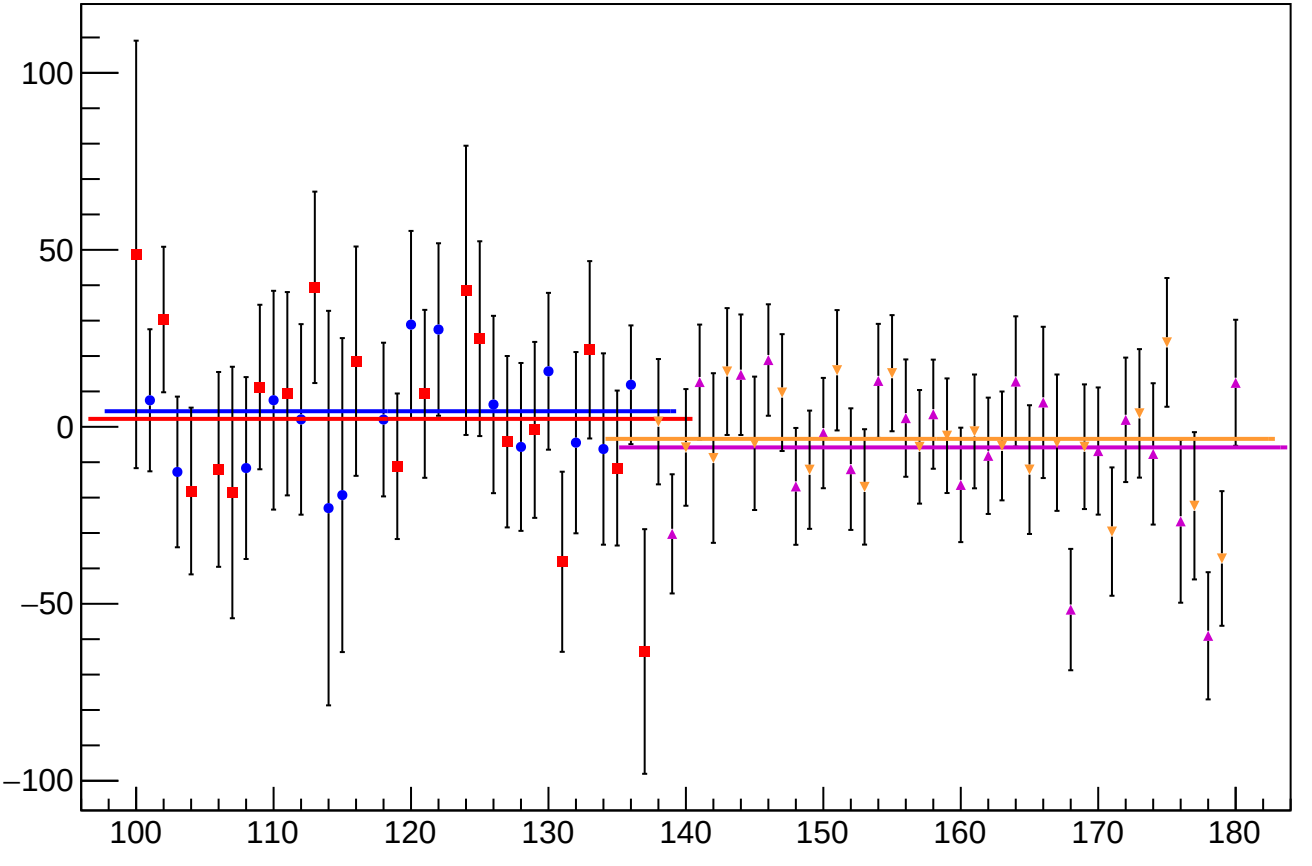
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.749+/-0.003 χ^2/NDF:37924.2/36

Out: 21.771+/-0.003 χ^2/NDF:34561.3/40

All: 21.760+/-0.002 χ^2/NDF: 72510.8/77

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: -3.403+/-3.736 χ^2/NDF:14.2/21

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -5.813+/-3.760 χ^2/NDF:29.8/20

Left: -4.600+/-2.650 χ^2/NDF: 44.2/42

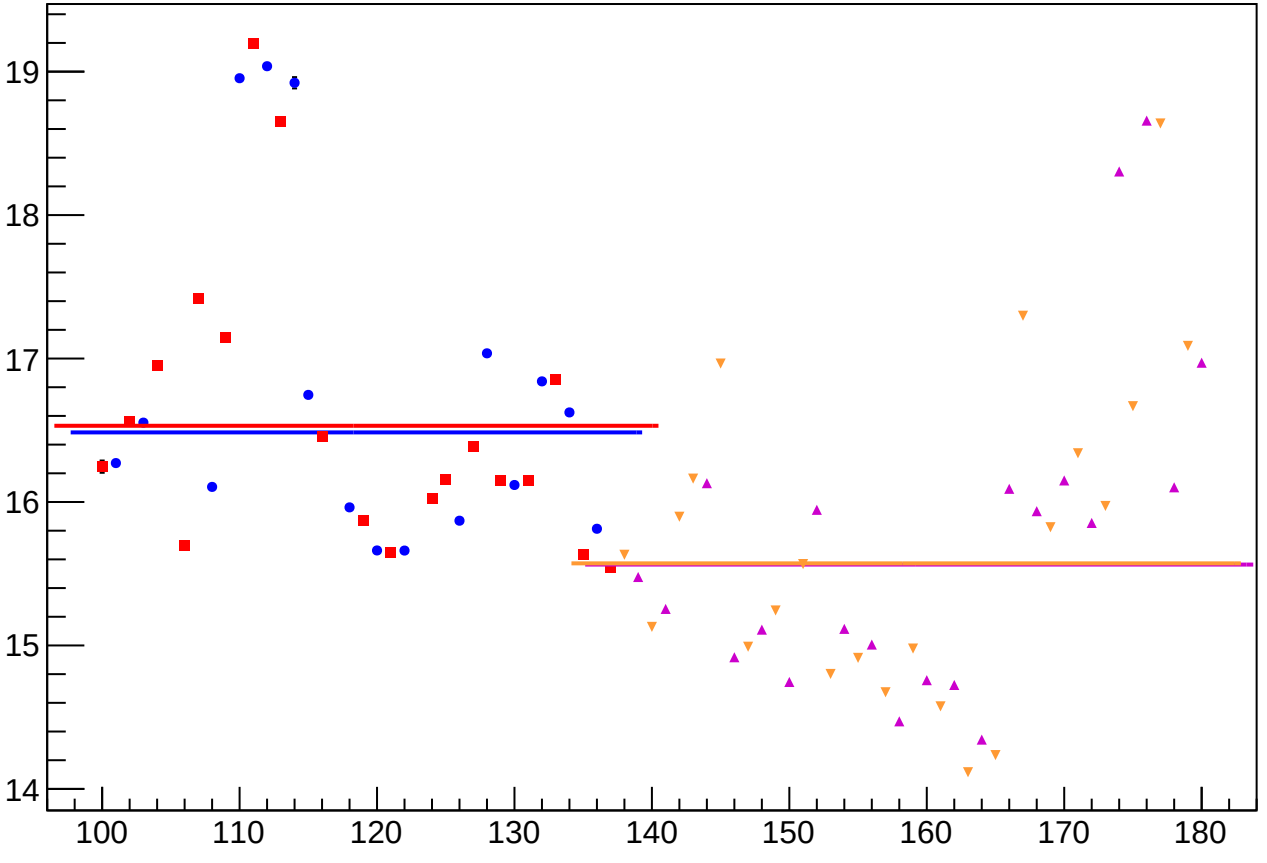
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -3.025+/-3.206 χ^2/NDF:36.1/36

Out: -1.841+/-3.178 χ^2/NDF:30.2/40

All: -2.428+/-2.257 χ^2/NDF: 66.4/77

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: 15.572+/-0.003 χ^2/NDF:155697.6/21

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.564+/-0.003 χ^2/NDF:140193.8/20

Left: 15.568+/-0.002 χ^2/NDF: 295896.5/42

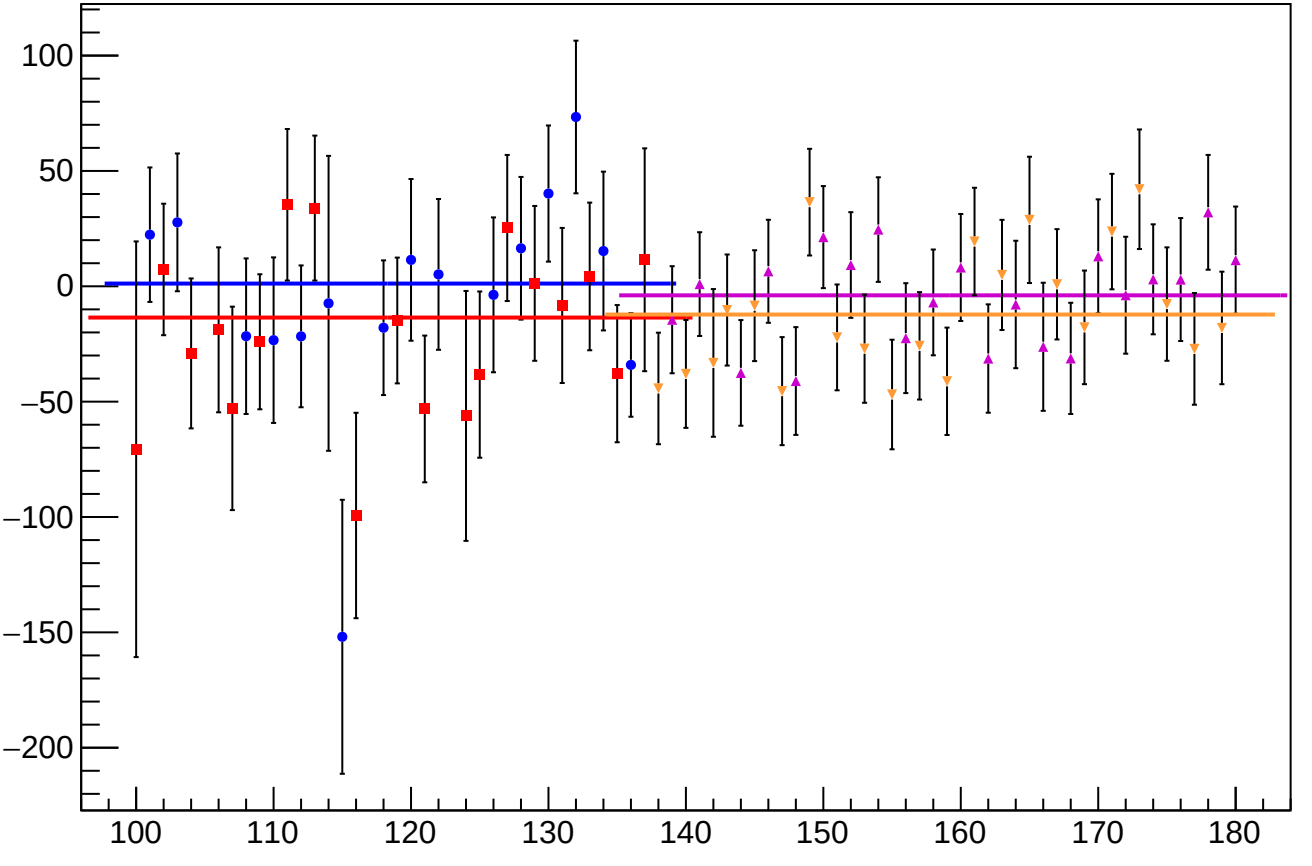
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.815+/-0.002 χ^2/NDF:220152.3/36

Out: 15.837+/-0.002 χ^2/NDF:238619.3/40

All: 15.826+/-0.002 χ^2/NDF: 458820.4/77

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: -12.241+/-5.177 χ^2/NDF:26.4/21

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -3.918+/-5.200 χ^2/NDF:15.7/20

Left: -8.098+/-3.669 χ^2/NDF: 43.4/42

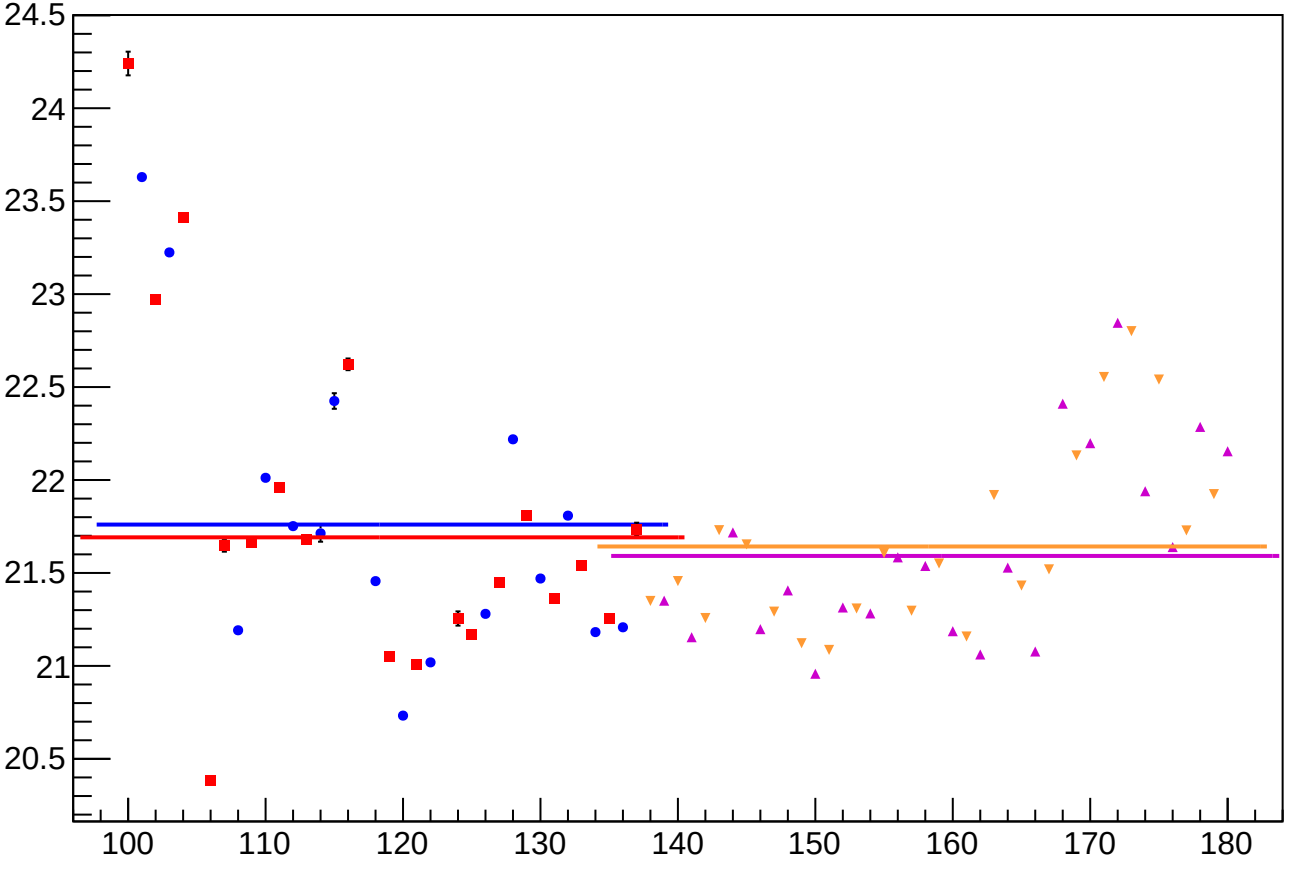
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.425+/-4.374 χ^2/NDF:35.4/36

Out: -12.633+/-4.333 χ^2/NDF:42.3/40

All: -7.578+/-3.078 χ^2/NDF: 80.5/77

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: 21.642+/-0.004 χ^2/NDF:15961.7/21

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.592+/-0.004 χ^2/NDF:18003.3/20

Left: 21.617+/-0.003 χ^2/NDF: 34061.0/42

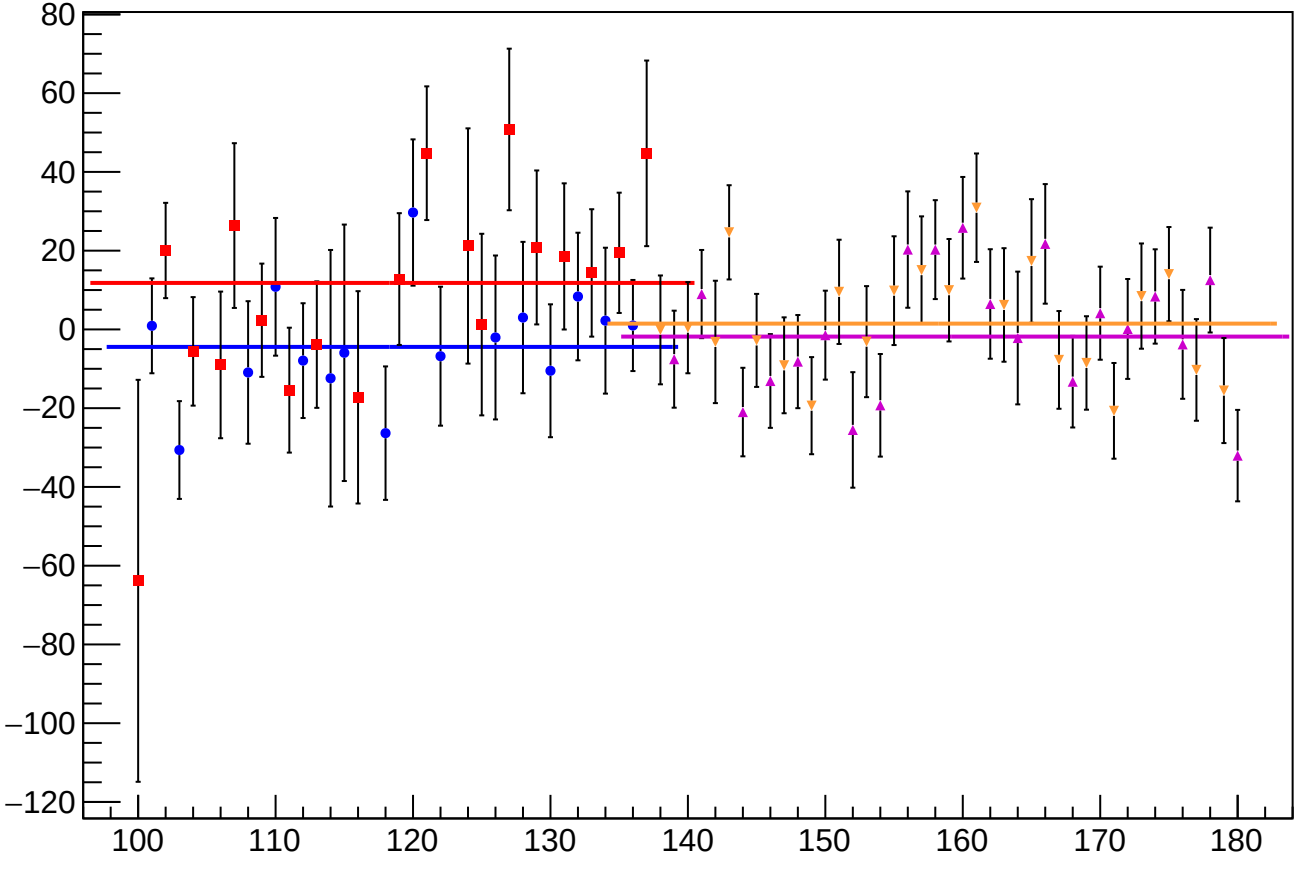
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.641+/-0.003 χ^2/NDF:38364.6/36

Out: 21.657+/-0.003 χ^2/NDF:34346.4/40

All: 21.649+/-0.002 χ^2/NDF: 72724.9/77

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.473+/-2.771 χ^2/NDF:24.0/21

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.822+/-2.762 χ^2/NDF:32.2/20

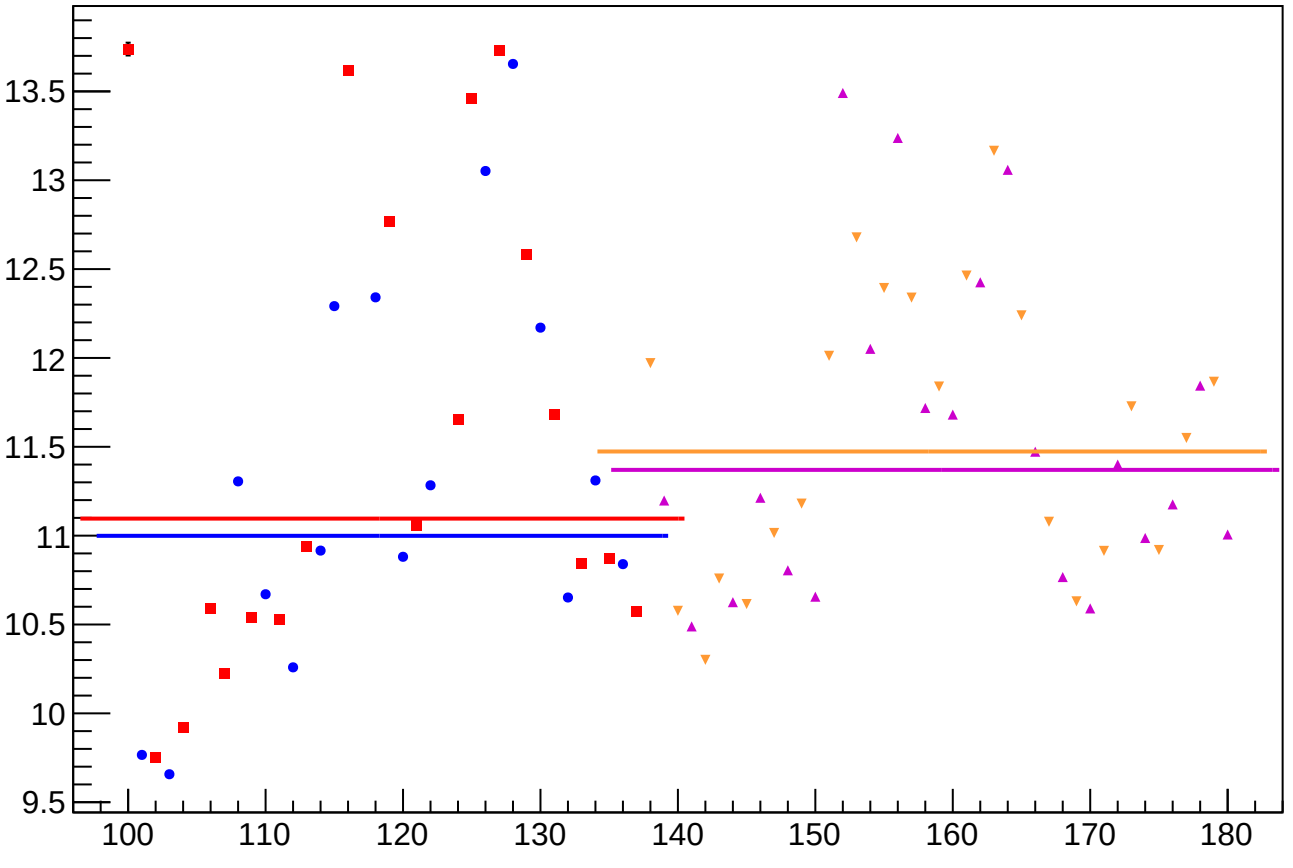
Left: -0.180+/-1.956 χ^2/NDF: 56.9/42

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.631+/-2.296 χ^2/NDF:44.5/36

Out: 4.715+/-2.295 χ^2/NDF:50.1/40

All: 1.044+/-1.623 χ^2/NDF: 99.7/77



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.474+/-0.002 χ^2/NDF:149885.1/21

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

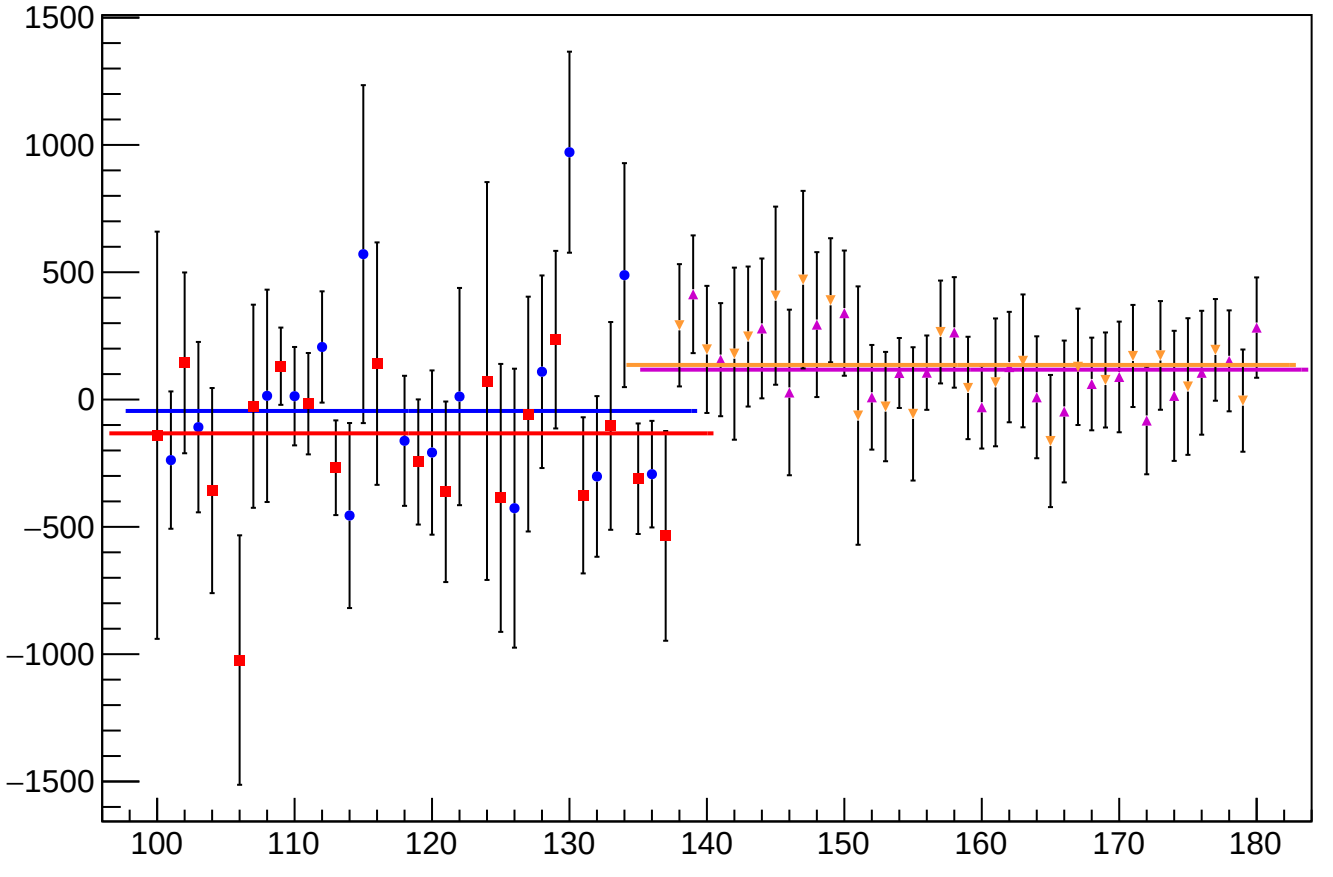
Left: 11.422+/-0.001 χ^2/NDF: 320396.4/42

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.255+/-0.002 χ^2/NDF:316425.4/36

Out: 11.355+/-0.002 χ^2/NDF:324453.2/40

All: 11.305+/-0.001 χ^2/NDF: 642762.7/77



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 117.331+/-45.543 χ^2/NDF:7.3/20

Left: 125.570+/-34.020 χ^2/NDF: 14.8/42

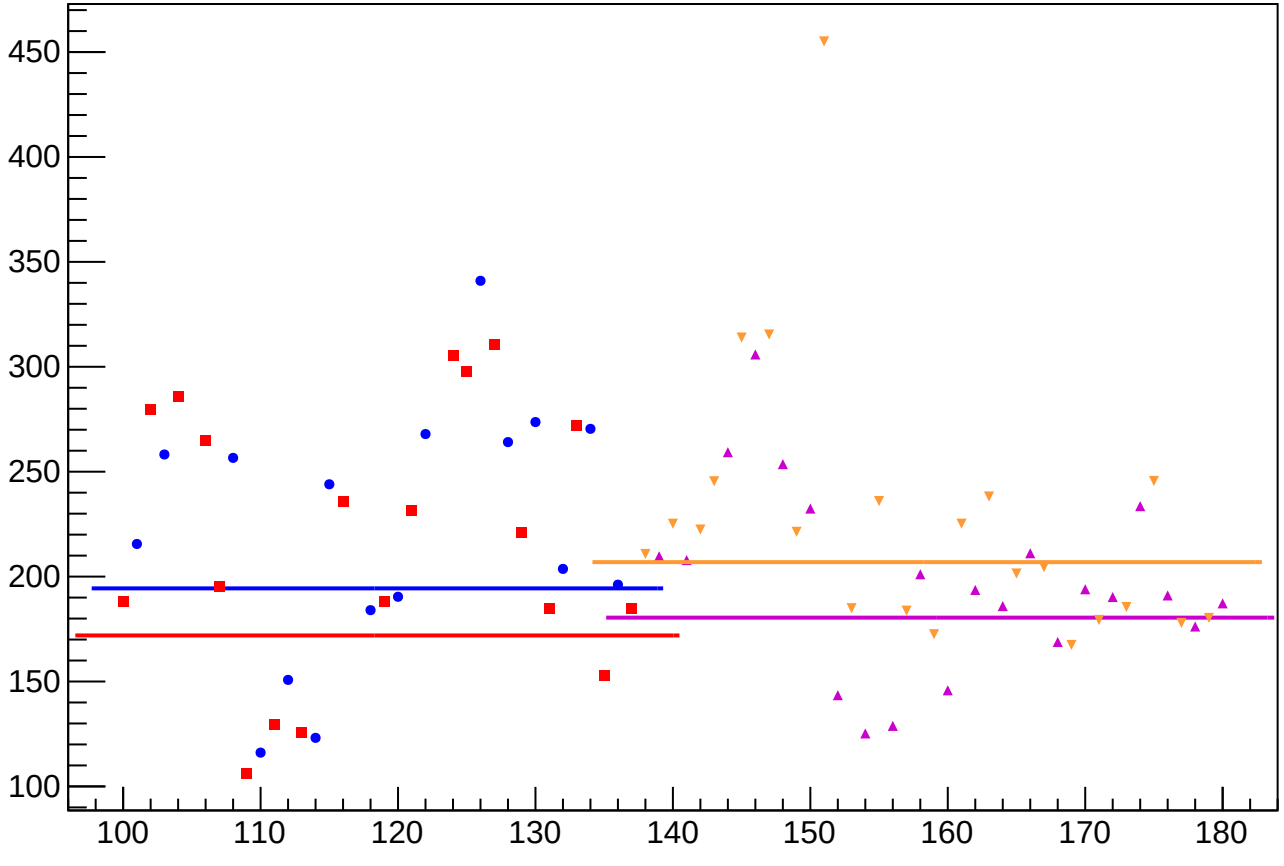
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 74.843+/-39.123 χ^2/NDF:26.1/36

Out: 39.312+/-40.946 χ^2/NDF:30.2/40

All: 57.886+/-28.287 χ^2/NDF: 56.6/77

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: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

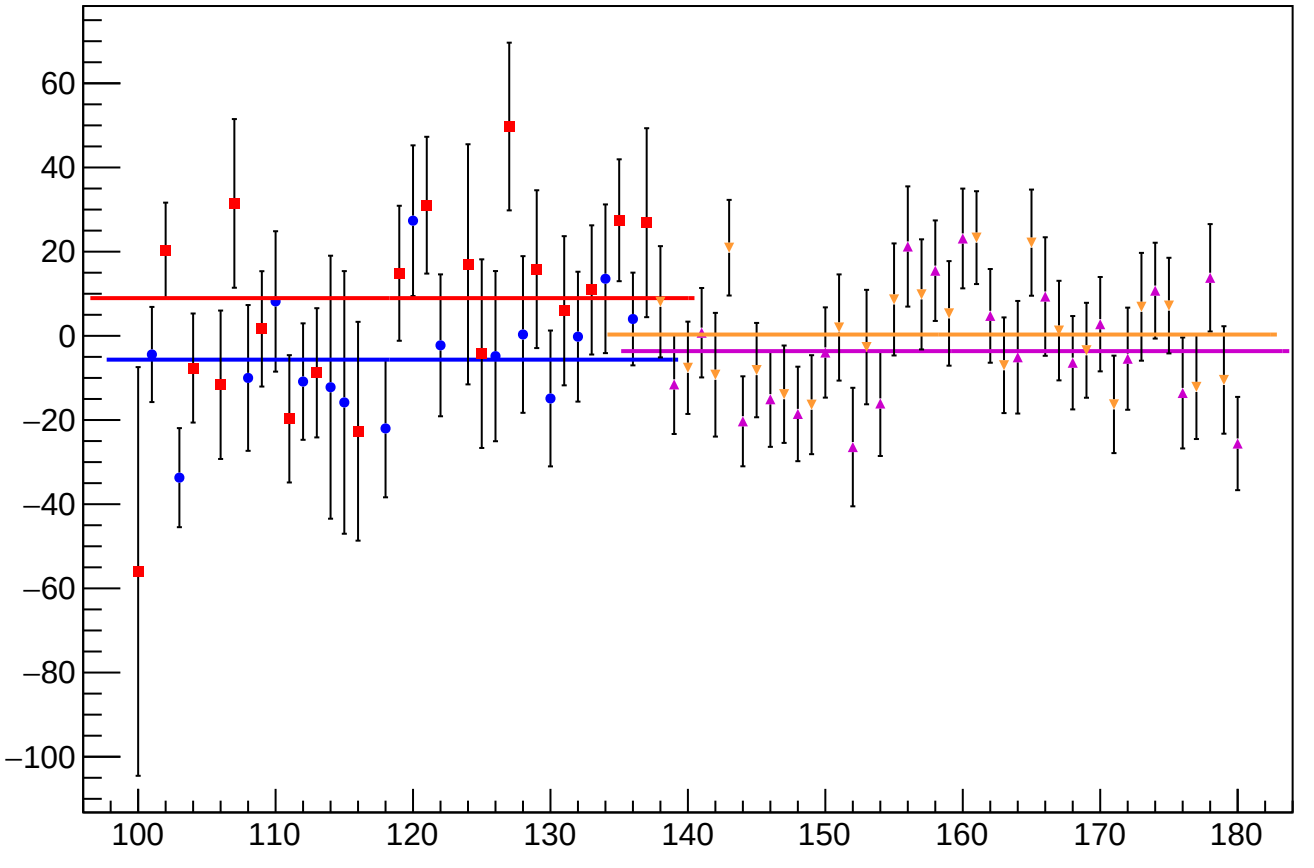
Left: 192.132+/-0.024 χ^2/NDF: 3295770.9/42

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.094+/-0.028 χ^2/NDF:2730529.4/36

Out: 194.323+/-0.029 χ^2/NDF:3345007.4/40

All: 188.976+/-0.020 χ^2/NDF: 6140781.2/77



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.632+/-2.590 χ^2/NDF:29.9/20

Left: -1.655+/-1.829 χ^2/NDF: 53.2/42

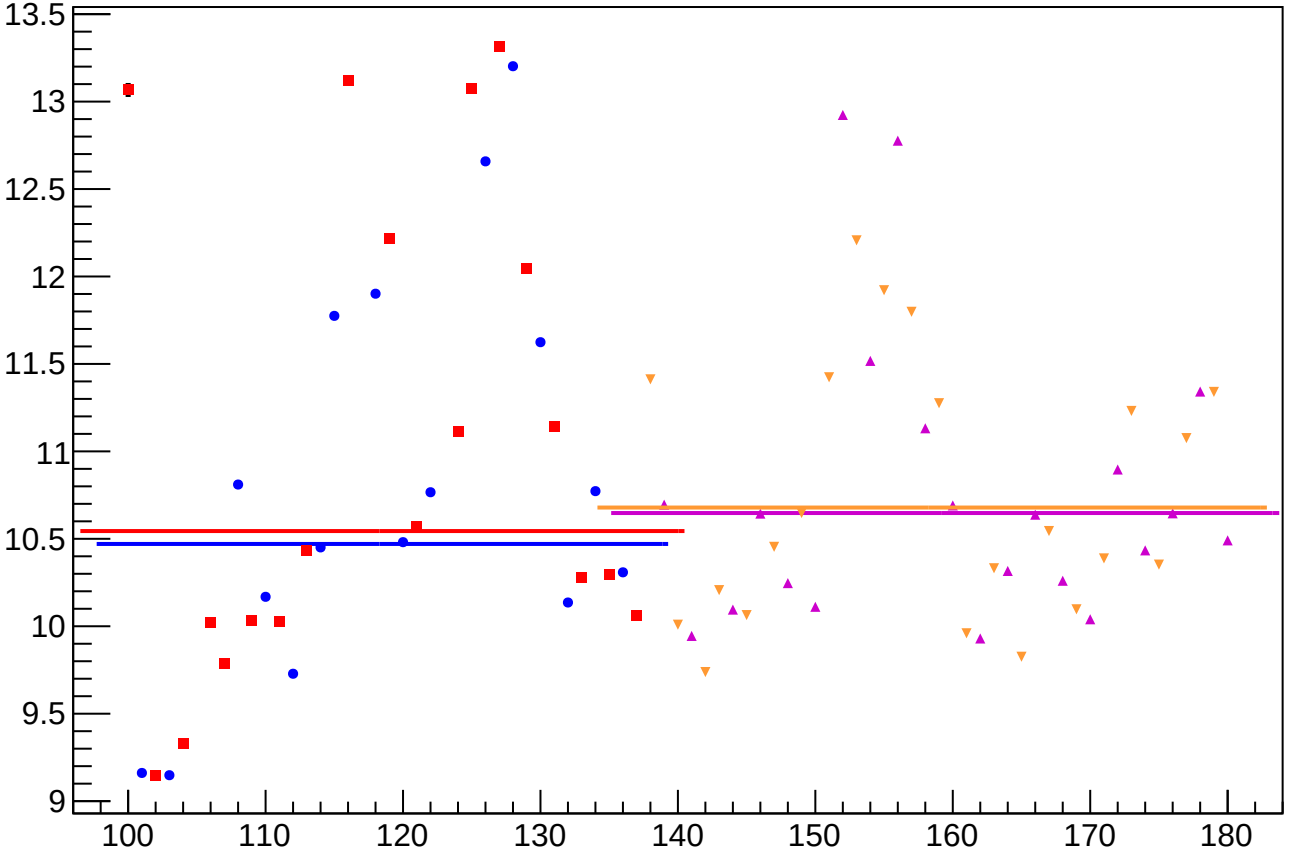
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.243+/-2.164 χ^2/NDF:43.8/36

Out: 2.946+/-2.153 χ^2/NDF:48.3/40

All: -0.631+/-1.526 χ^2/NDF: 97.7/77

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: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.647+/-0.002 χ^2/NDF:157126.8/20

Left: 10.663+/-0.001 χ^2/NDF: 297401.9/42

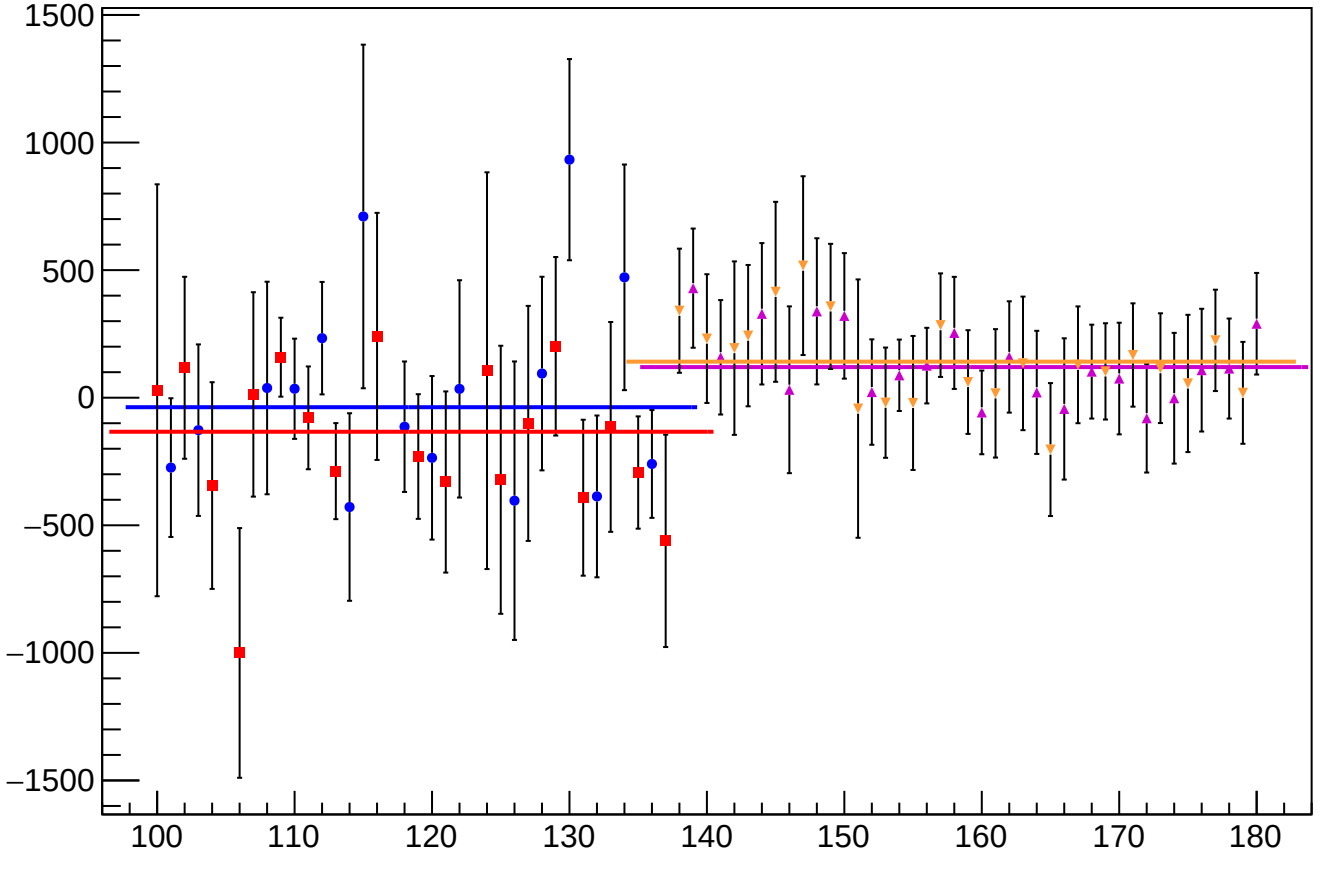
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.594+/-0.002 χ^2/NDF:317305.8/36

Out: 10.638+/-0.002 χ^2/NDF:328560.0/40

All: 10.616+/-0.001 χ^2/NDF: 646277.6/77

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: 141.275+/-51.433 χ^2/NDF:7.9/21

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 119.965+/-45.891 χ^2/NDF:7.9/20

Left: 129.410+/-34.242 χ^2/NDF: 16.0/42

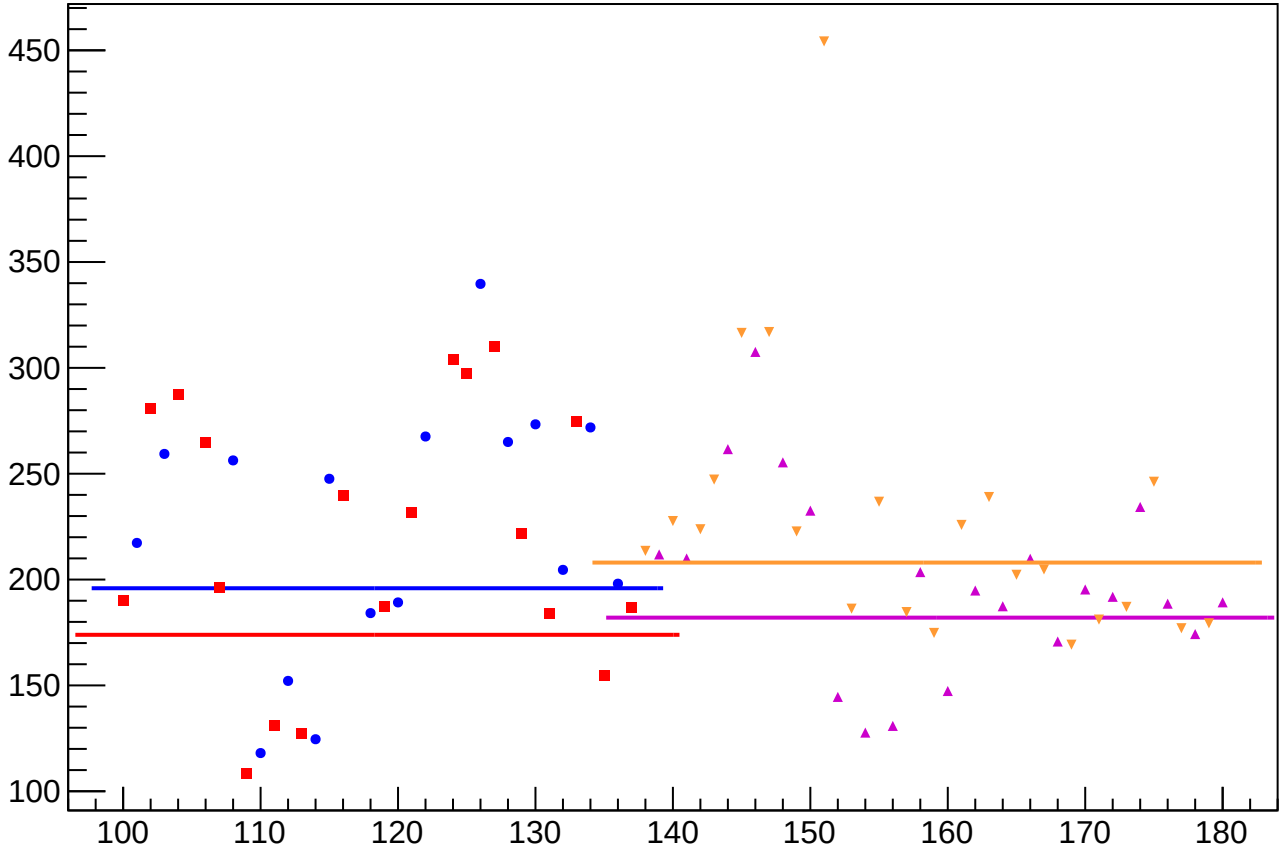
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 78.693+/-39.410 χ^2/NDF:26.7/36

Out: 42.963+/-41.213 χ^2/NDF:31.0/40

All: 61.627+/-28.483 χ^2/NDF: 58.1/77

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: 208.026+/-0.036 χ^2/NDF:1353038.9/21

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.012+/-0.032 χ^2/NDF:1591040.5/20

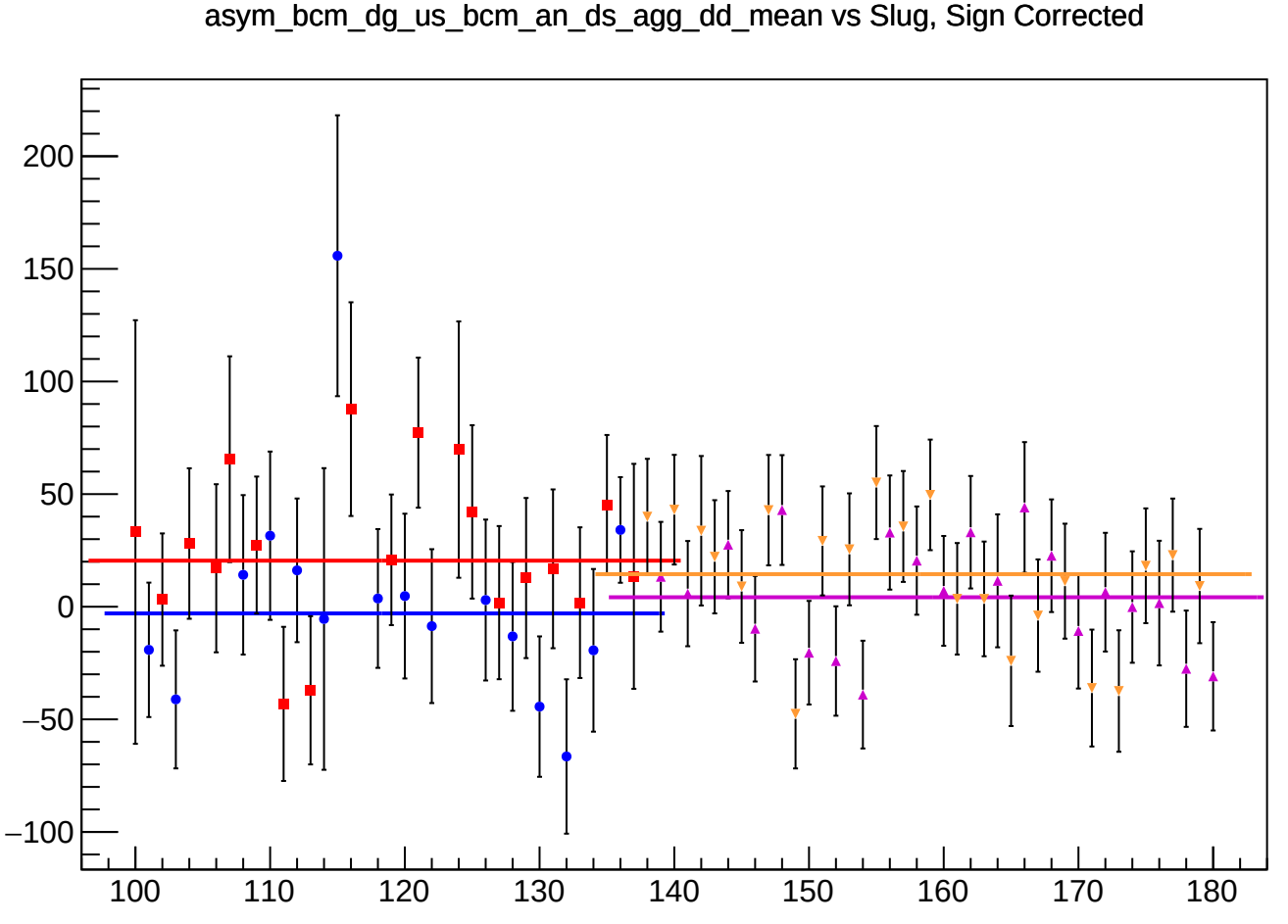
Left: 193.543+/-0.024 χ^2/NDF: 3228931.3/42

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

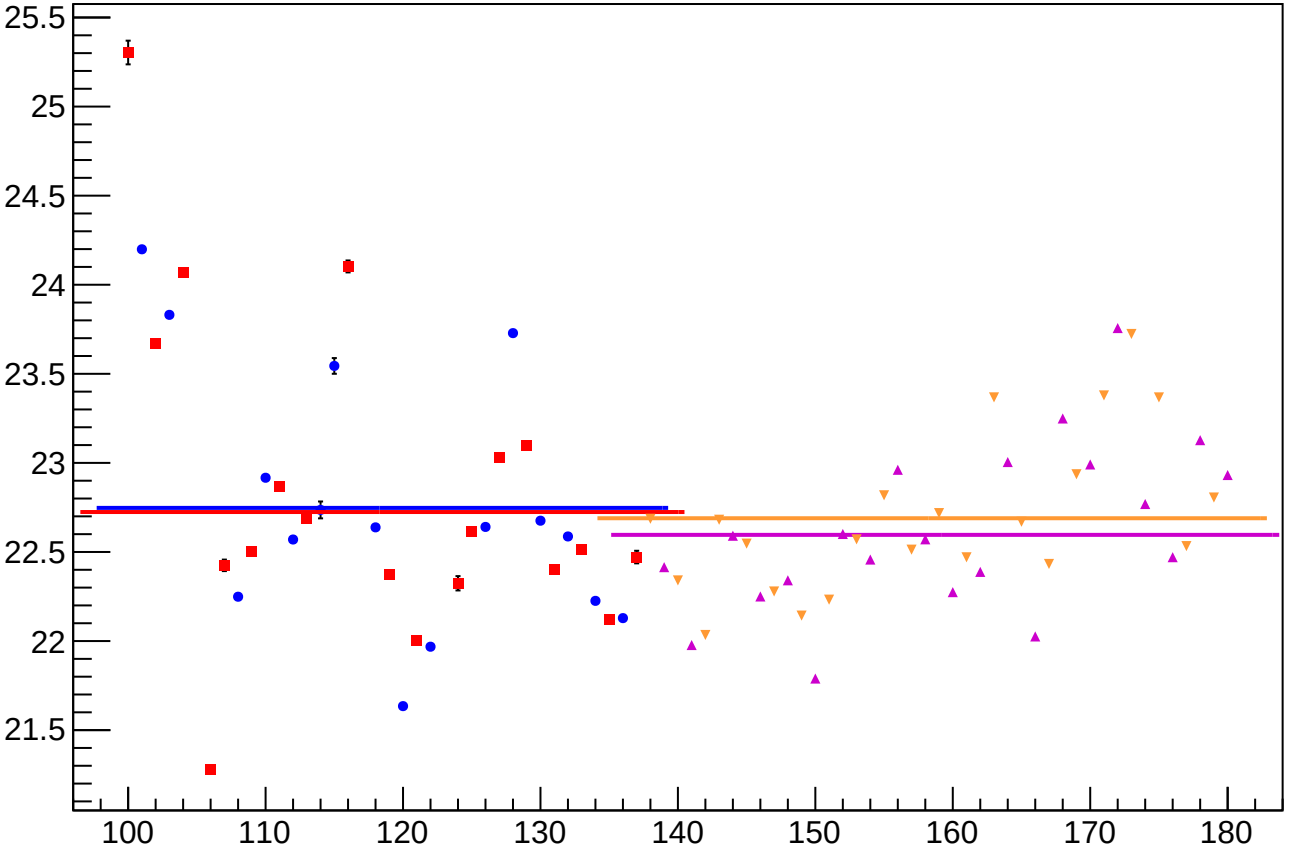
In: 185.658+/-0.028 χ^2/NDF:2650135.6/36

Out: 195.812+/-0.029 χ^2/NDF:3267776.5/40

All: 190.508+/-0.020 χ^2/NDF: 5981321.7/77


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 14.466+/-5.428 χ²/NDF:27.1/21
Right Out: 20.457+/-8.292 χ²/NDF: 15.3/18
Left In: 4.204+/-5.442 χ²/NDF:19.4/20
Left: 9.348+/-3.843 χ²/NDF: 48.3/42
Right: 8.972+/-5.920 χ²/NDF: 37.1/34
In: 2.103+/-4.576 χ²/NDF:37.8/36
Out: 16.263+/-4.542 χ²/NDF:42.8/40
All: 9.237+/-3.224 χ²/NDF: 85.4/77

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: 22.689+/-0.004 χ^2/NDF:11621.8/21

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.596+/-0.004 χ^2/NDF:13851.7/20

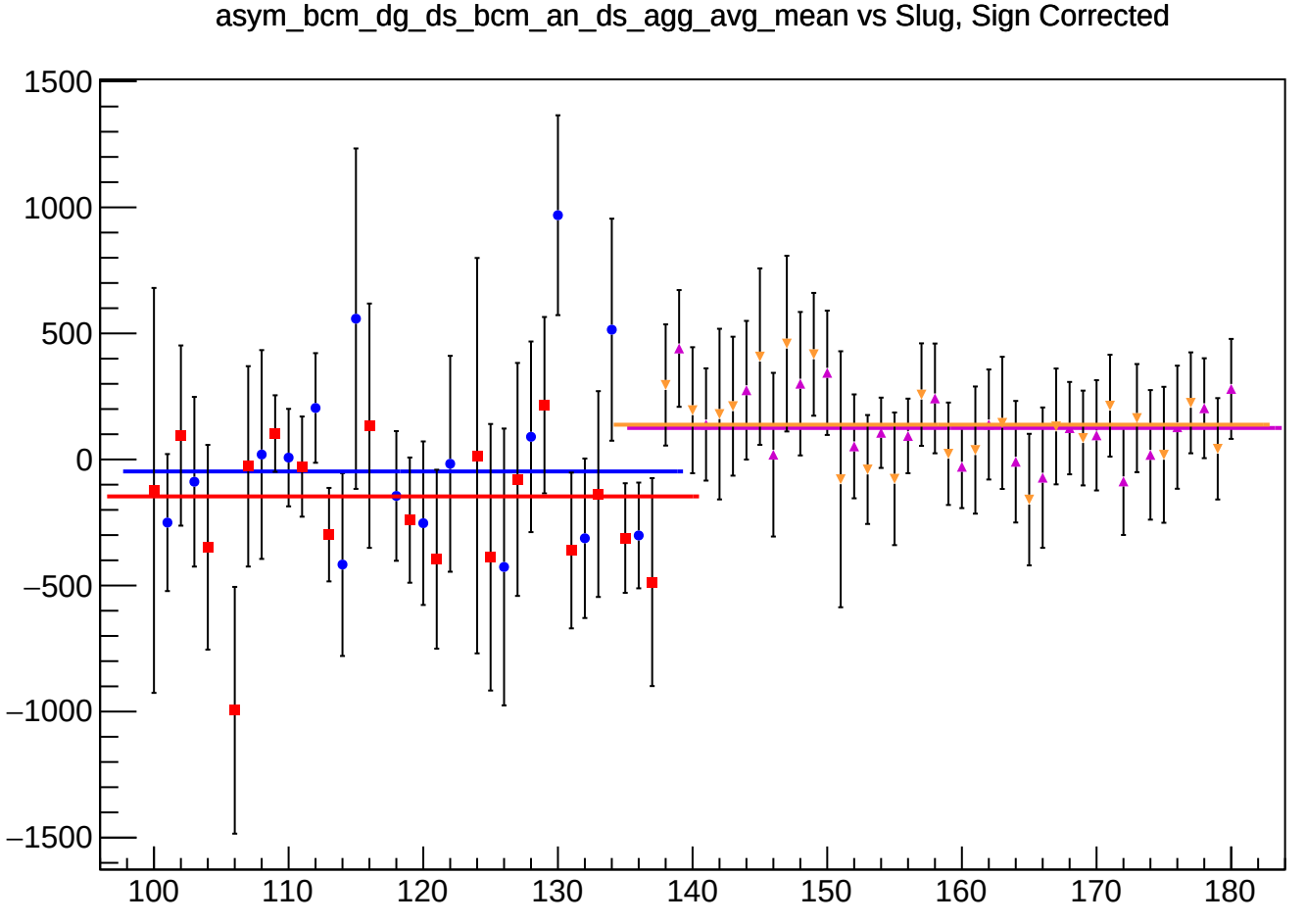
Left: 22.643+/-0.003 χ^2/NDF: 25768.1/42

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.640+/-0.003 χ^2/NDF:28928.1/36

Out: 22.700+/-0.003 χ^2/NDF:26137.3/40

All: 22.670+/-0.002 χ^2/NDF: 55235.1/77



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.871+/-51.396 χ^2/NDF:7.8/21

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 124.938+/-45.831 χ^2/NDF:7.6/20

Left: 130.666+/-34.206 χ^2/NDF: 15.4/42

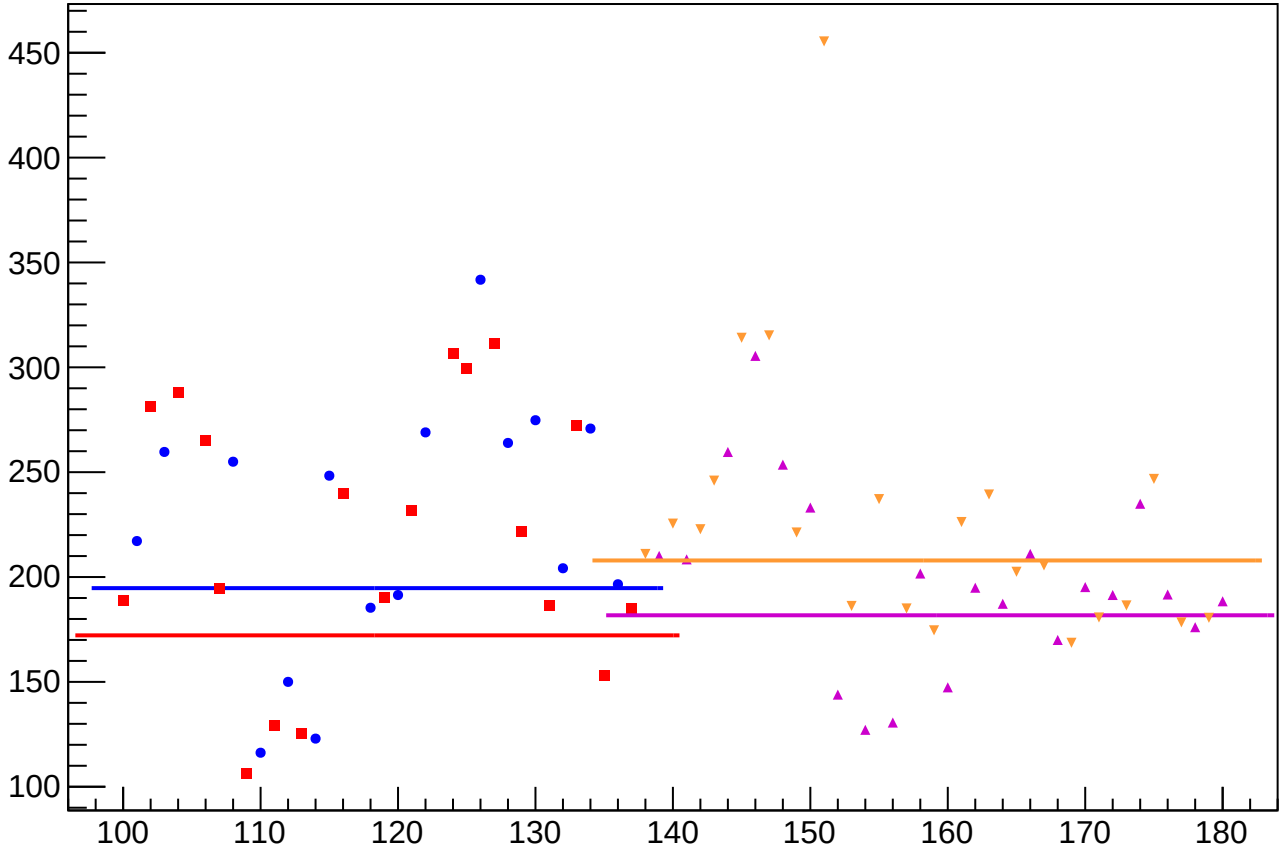
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 79.450+/-39.325 χ^2/NDF:26.7/36

Out: 35.221+/-41.089 χ^2/NDF:30.4/40

All: 58.305+/-28.410 χ^2/NDF: 57.7/77

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: 207.902+/-0.036 χ^2/NDF:1337311.9/21

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

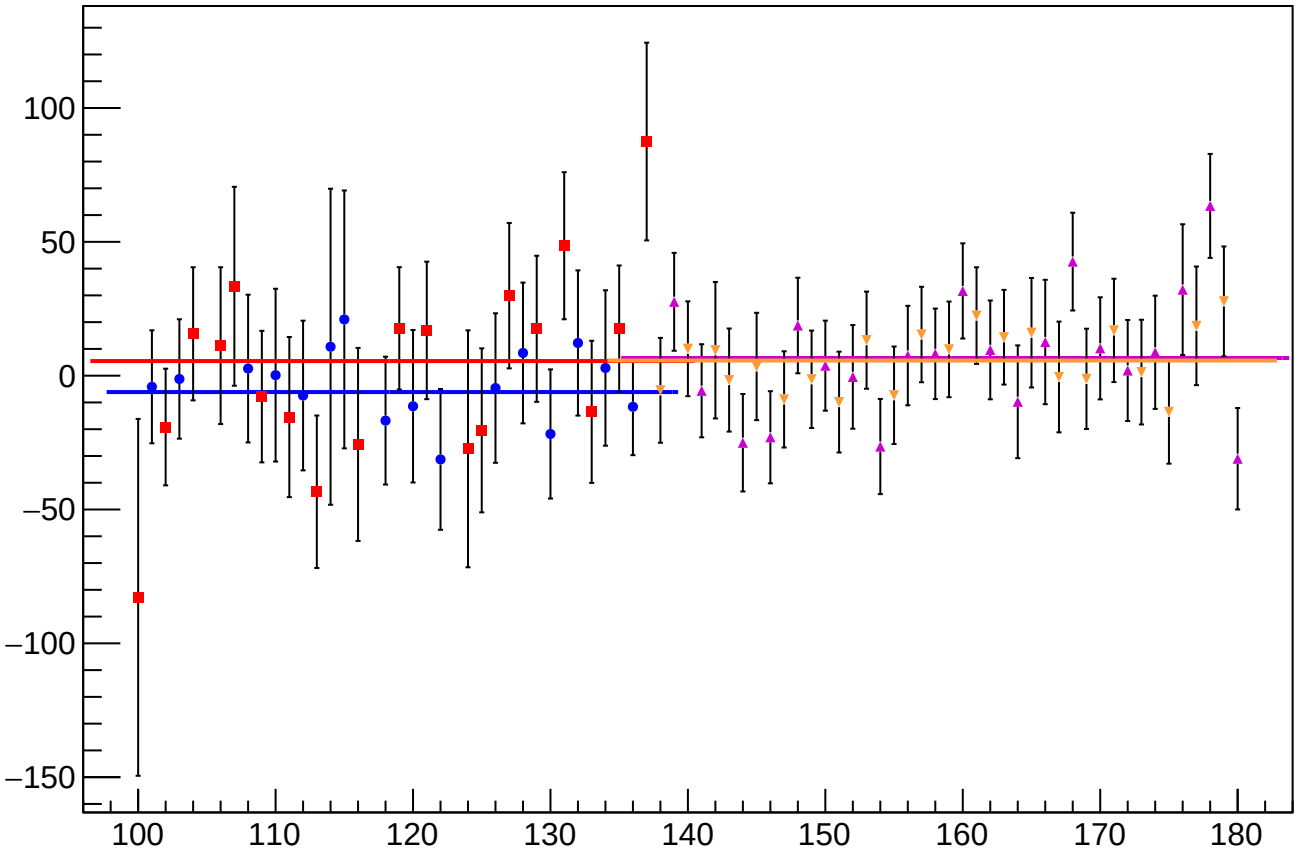
Left: 193.339+/-0.024 χ^2/NDF: 3210218.9/42

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.174+/-0.028 χ^2/NDF:2679048.0/36

Out: 195.013+/-0.029 χ^2/NDF:3356920.4/40

All: 189.878+/-0.020 χ^2/NDF: 6095818.2/77



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.669+/-4.083 χ^2/NDF:7.5/21

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 6.604+/-4.093 χ^2/NDF:32.2/20

Left: 6.135+/-2.891 χ^2/NDF: 39.7/42

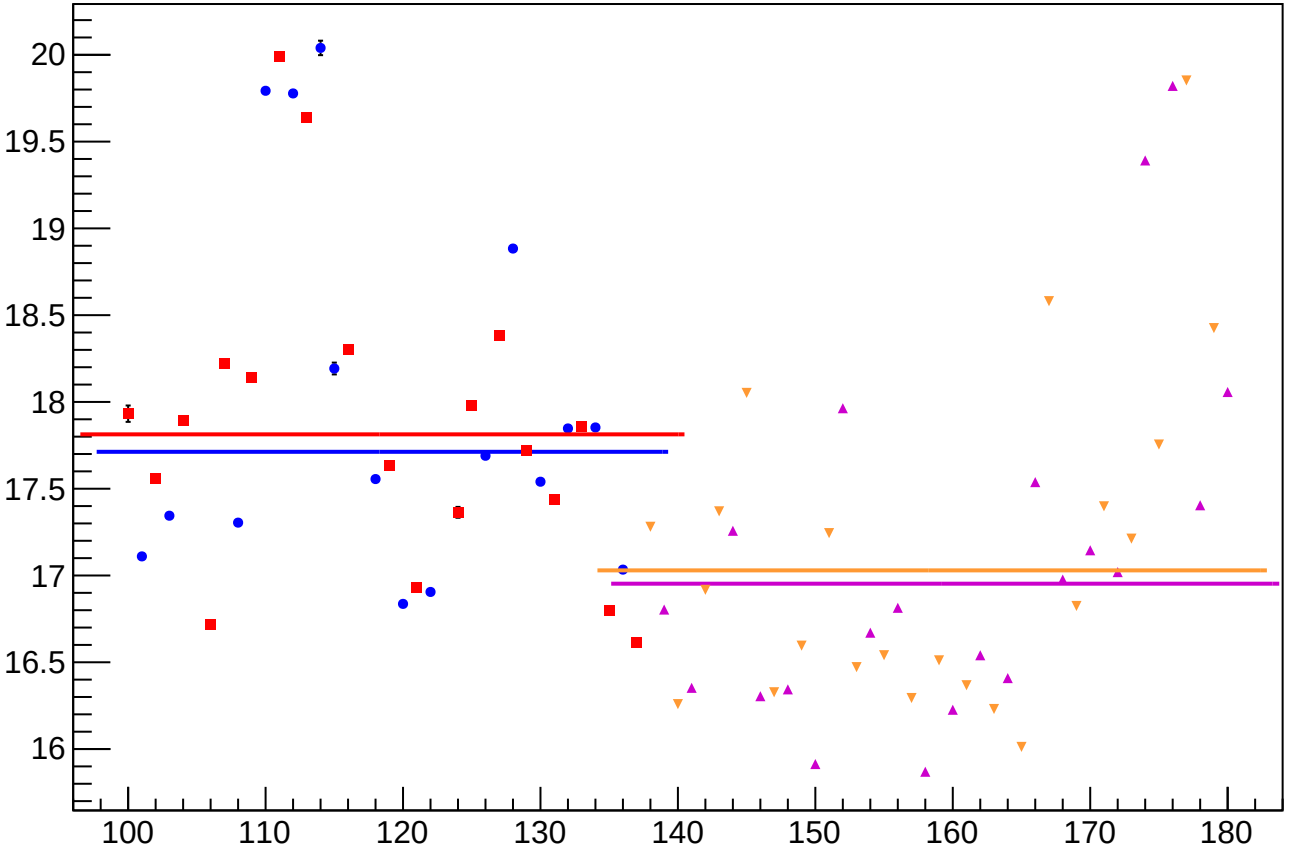
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 3.064+/-3.477 χ^2/NDF:38.0/36

Out: 5.613+/-3.459 χ^2/NDF:26.7/40

All: 4.345+/-2.452 χ^2/NDF: 65.0/77

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.029+/-0.003 χ^2/NDF:91480.9/21

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.953+/-0.003 χ^2/NDF:99353.8/20

Left: 16.991+/-0.002 χ^2/NDF: 191186.7/42

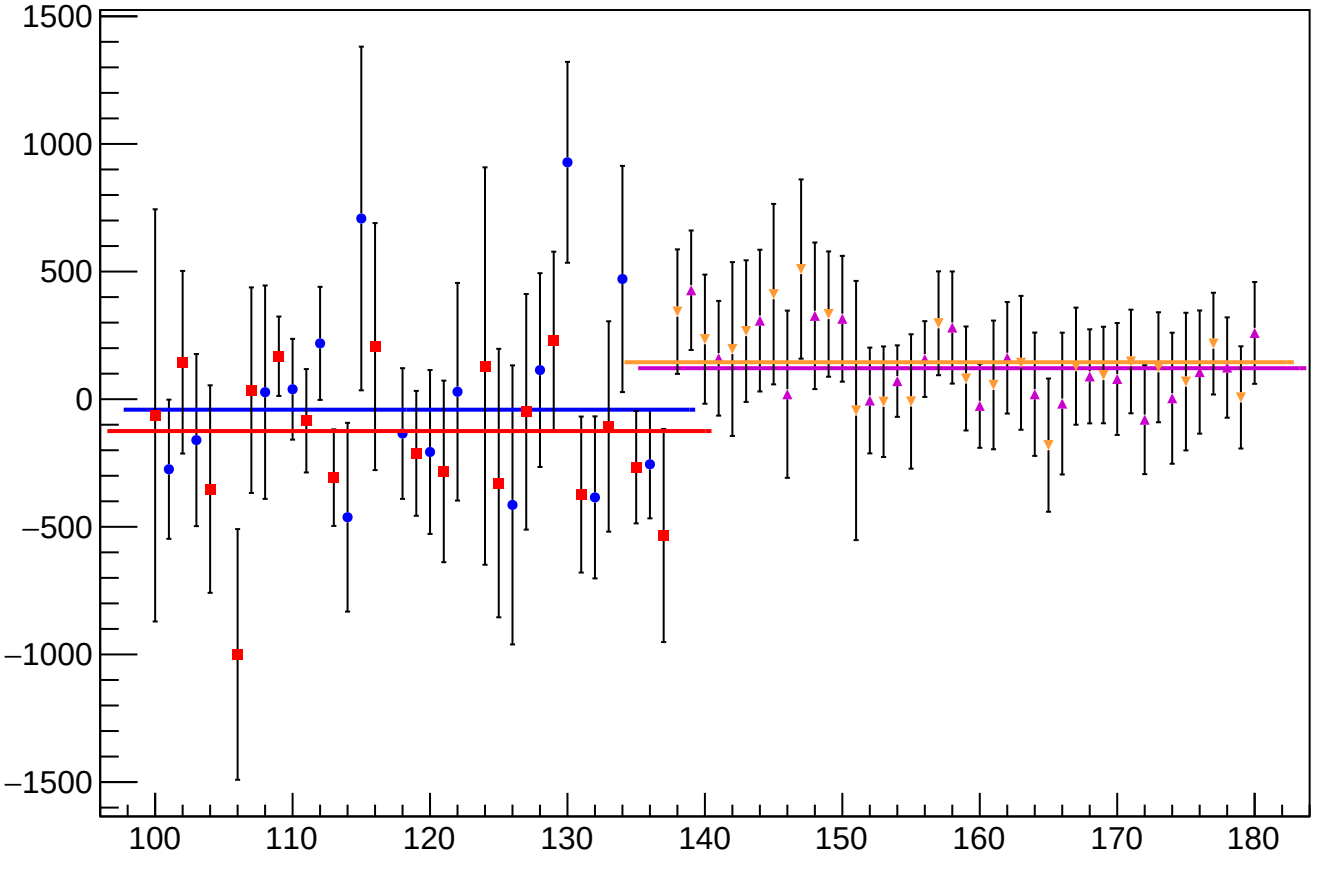
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.164+/-0.002 χ^2/NDF:154516.3/36

Out: 17.251+/-0.002 χ^2/NDF:145007.5/40

All: 17.208+/-0.002 χ^2/NDF: 300146.9/77

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.848+/-51.551 χ^2/NDF:7.3/21

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 121.431+/-45.984 χ^2/NDF:7.4/20

Left: 131.807+/-34.316 χ^2/NDF: 14.9/42

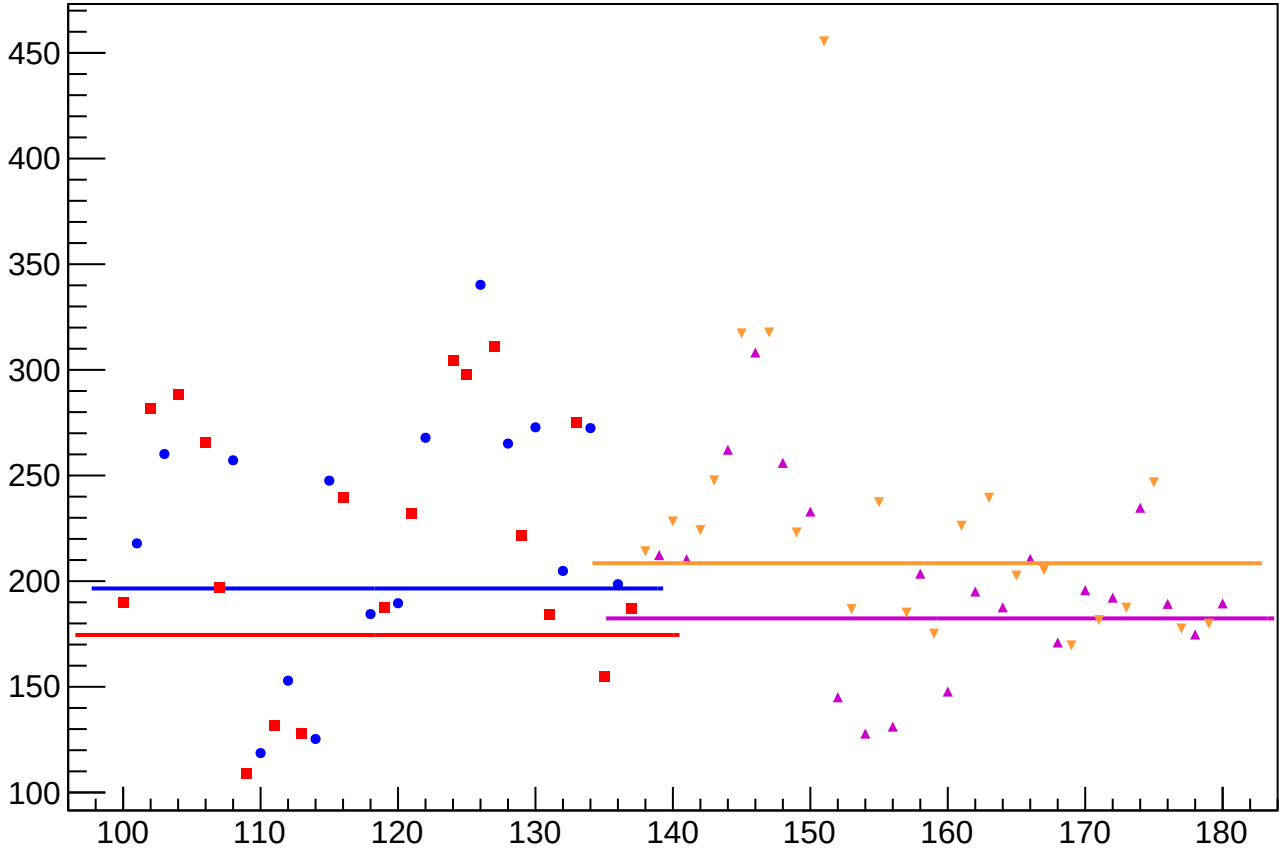
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 78.813+/-39.498 χ^2/NDF:26.3/36

Out: 48.421+/-41.321 χ^2/NDF:30.0/40

All: 64.302+/-28.552 χ^2/NDF: 56.6/77

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: 208.505+/-0.036 χ^2/NDF:1352212.1/21

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

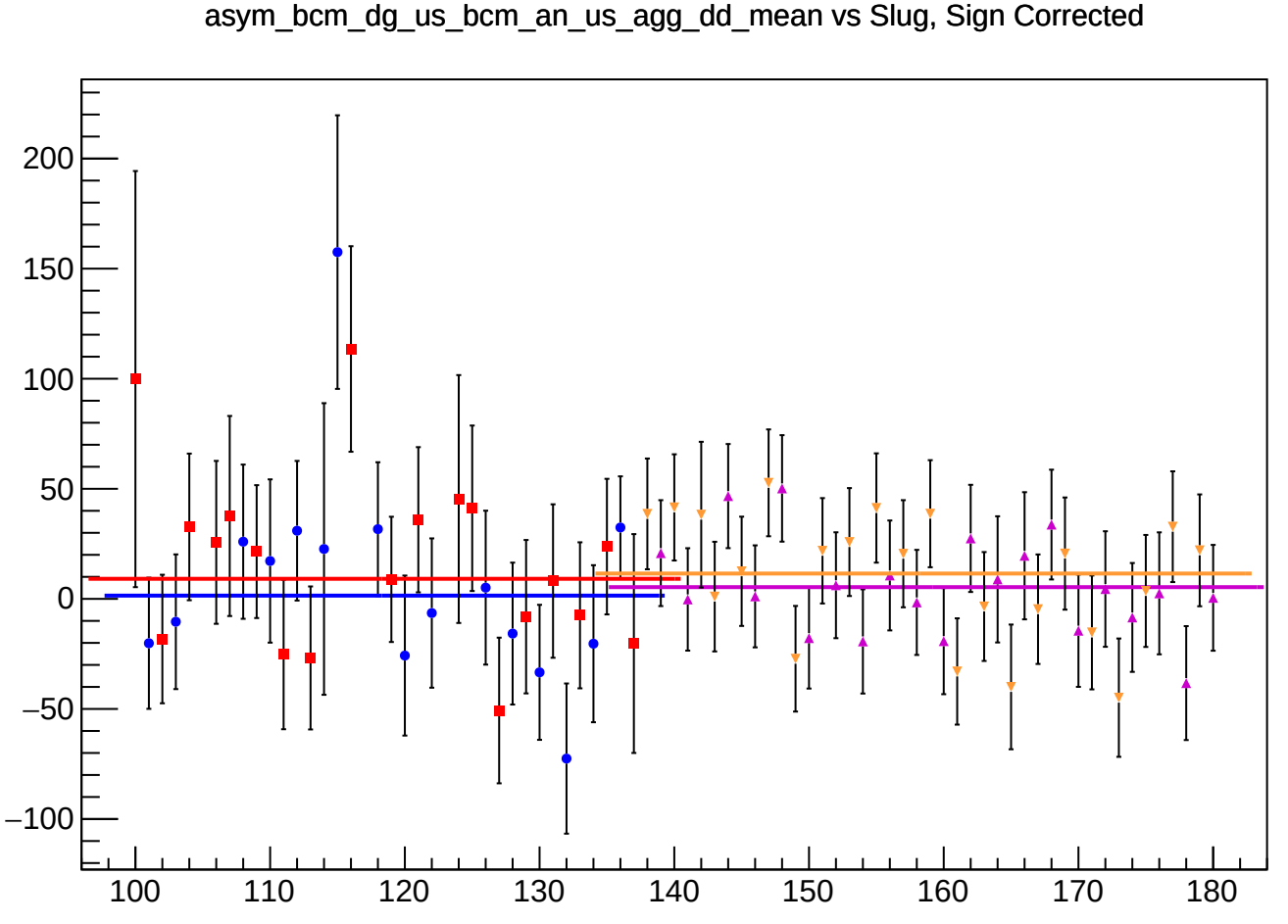
Left: 193.956+/-0.024 χ^2/NDF: 3229211.4/42

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 186.093+/-0.028 χ^2/NDF:2641457.4/36

Out: 196.362+/-0.029 χ^2/NDF:3251324.1/40

All: 190.996+/-0.020 χ^2/NDF: 5957329.3/77



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.505+/-5.376 χ^2/NDF:26.5/21

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 5.326+/-5.399 χ^2/NDF:16.5/20

Left: 8.429+/-3.810 χ^2/NDF: 43.6/42

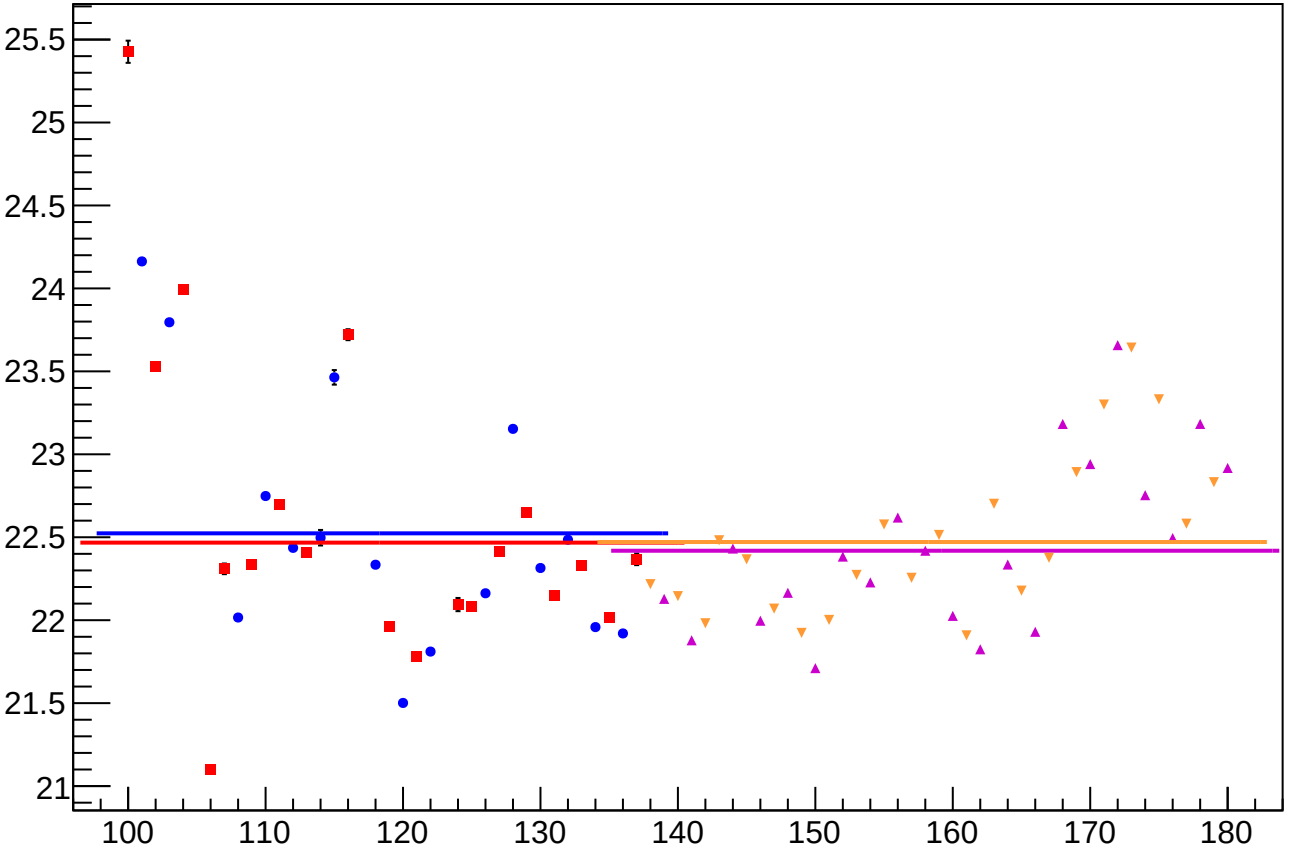
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.194+/-4.537 χ^2/NDF:35.3/36

Out: 10.786+/-4.495 χ^2/NDF:43.0/40

All: 7.521+/-3.193 χ^2/NDF: 79.3/77

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: 22.471+/-0.004 χ^2/NDF:14370.0/21

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

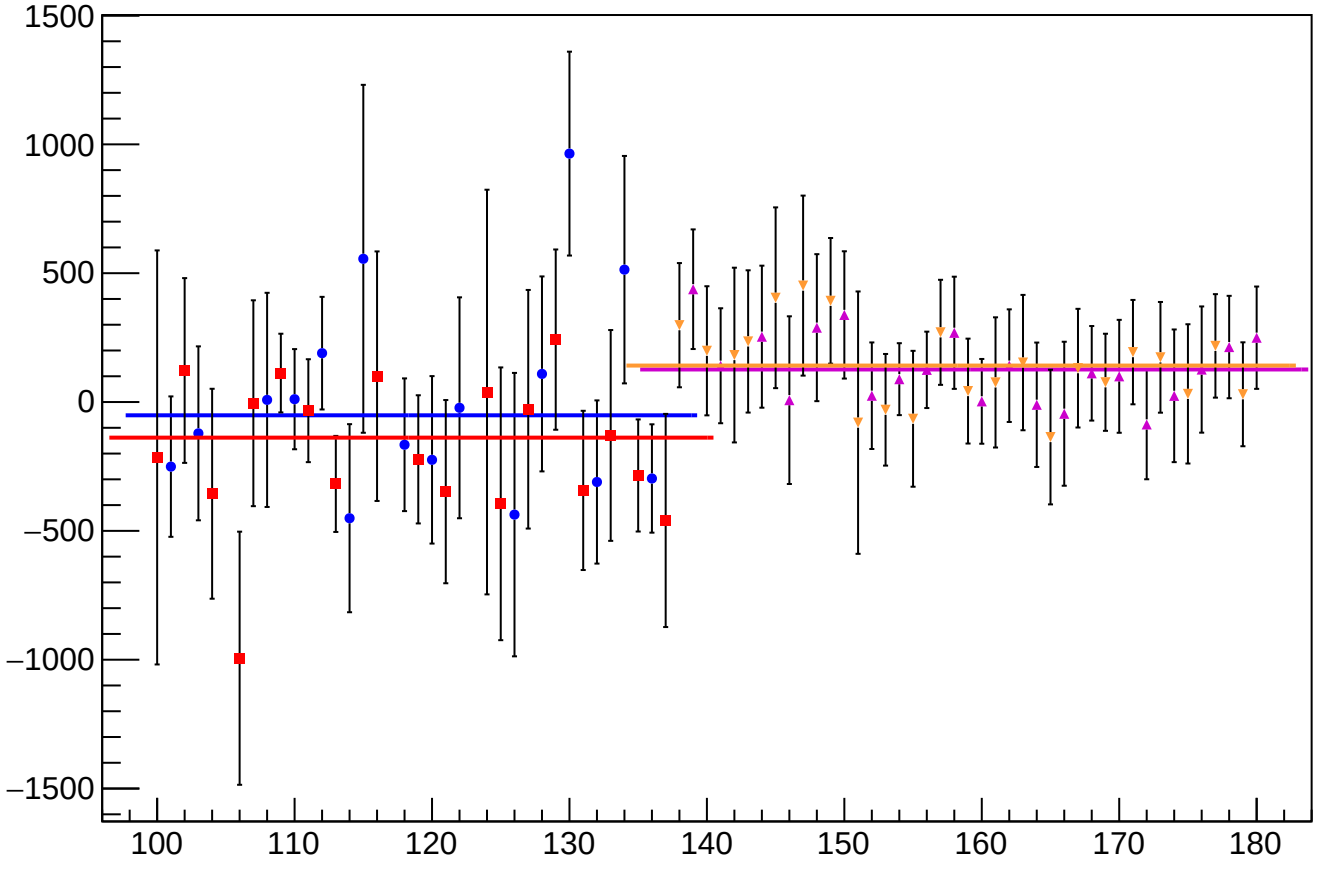
Left: 22.445+/-0.003 χ^2/NDF: 31365.2/42

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.449+/-0.003 χ^2/NDF:33069.3/36

Out: 22.470+/-0.003 χ^2/NDF:29996.8/40

All: 22.460+/-0.002 χ^2/NDF: 63087.1/77



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 141.537+/-51.514 χ^2/NDF:7.1/21

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 126.321+/-45.923 χ^2/NDF:7.0/20

Left: 133.058+/-34.279 χ^2/NDF: 14.1/42

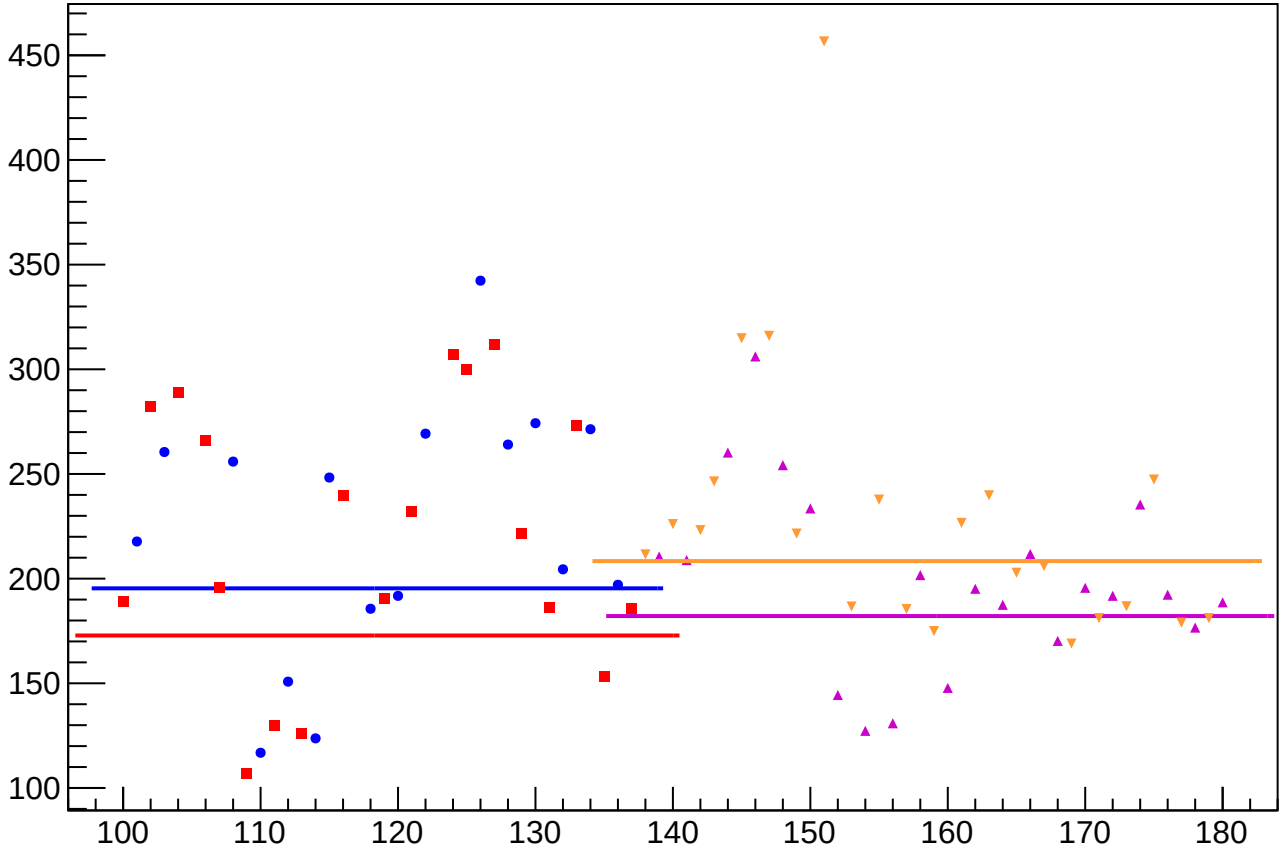
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 79.487+/-39.414 χ^2/NDF:26.3/36

Out: 40.722+/-41.198 χ^2/NDF:29.3/40

All: 60.962+/-28.480 χ^2/NDF: 56.1/77

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: 208.381+/-0.036 χ^2/NDF:1336536.7/21

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

Left: 193.751+/-0.024 χ^2/NDF: 3210853.4/42

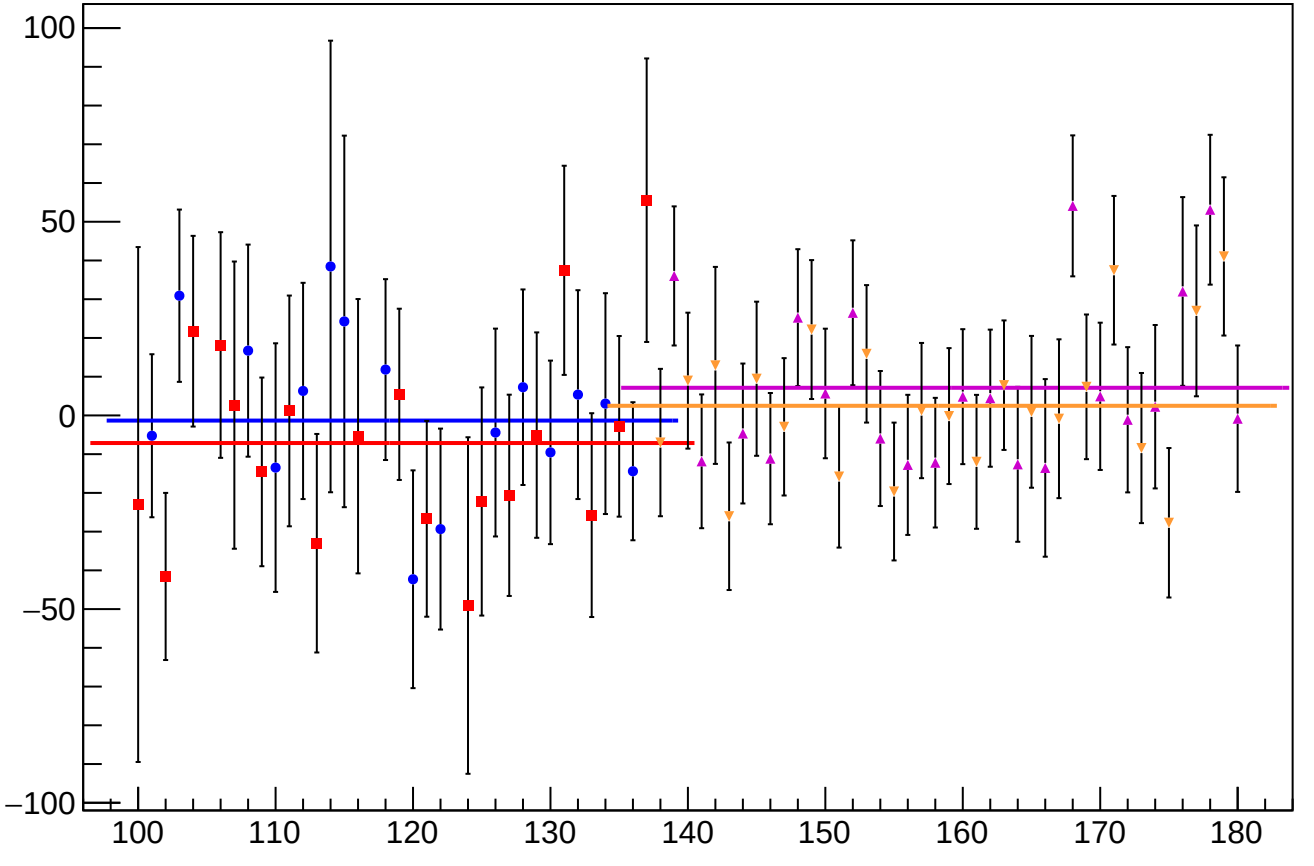
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.610+/-0.028 χ^2/NDF:2669995.4/36

Out: 195.571+/-0.029 χ^2/NDF:3339133.0/40

All: 190.370+/-0.020 χ^2/NDF: 6070165.0/77

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: 2.486+/-4.008 χ^2/NDF:19.2/21

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 7.135+/-4.033 χ^2/NDF:26.2/20

Left: 4.796+/-2.843 χ^2/NDF: 46.1/42

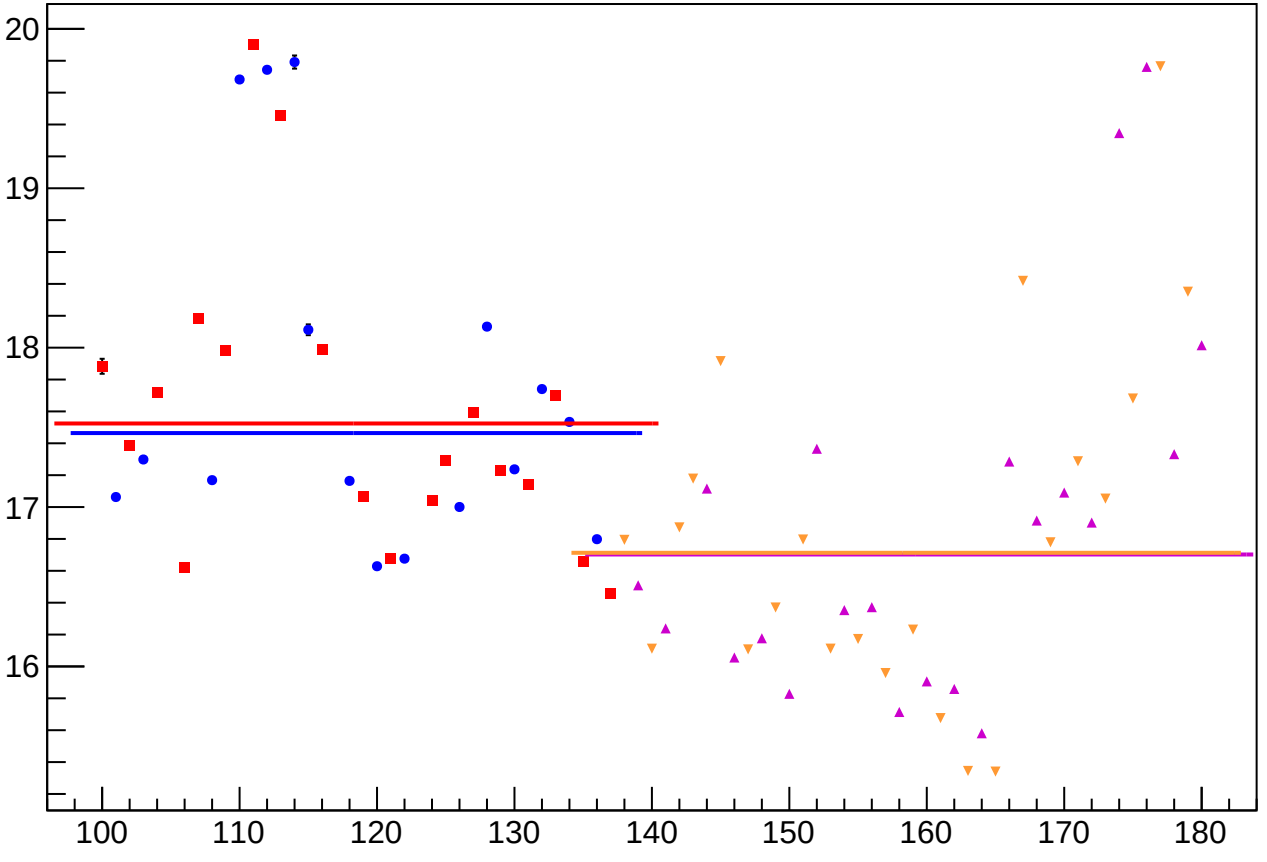
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 4.781+/-3.427 χ^2/NDF:35.5/36

Out: -0.220+/-3.397 χ^2/NDF:35.2/40

All: 2.259+/-2.412 χ^2/NDF: 71.8/77

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: 16.713+/-0.003 χ^2/NDF:126348.8/21

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

Left: 16.708+/-0.002 χ^2/NDF: 242535.5/42

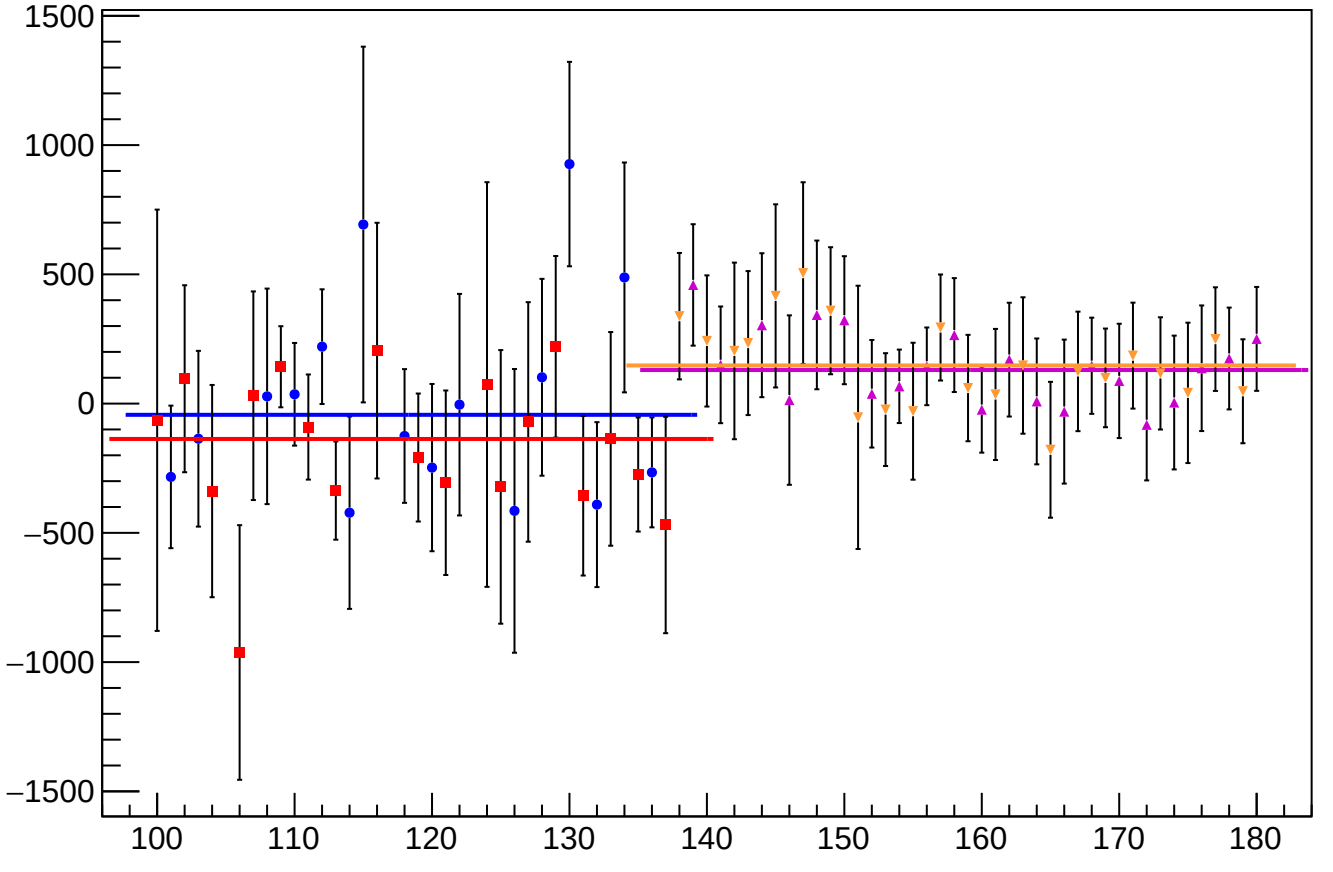
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.914+/-0.002 χ^2/NDF:172671.6/36

Out: 16.941+/-0.002 χ^2/NDF:184146.5/40

All: 16.928+/-0.002 χ^2/NDF: 356882.2/77

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.560+/-51.874 χ^2/NDF:7.7/21

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 129.840+/-46.336 χ^2/NDF:7.5/20

Left: 137.704+/-34.557 χ^2/NDF: 15.3/42

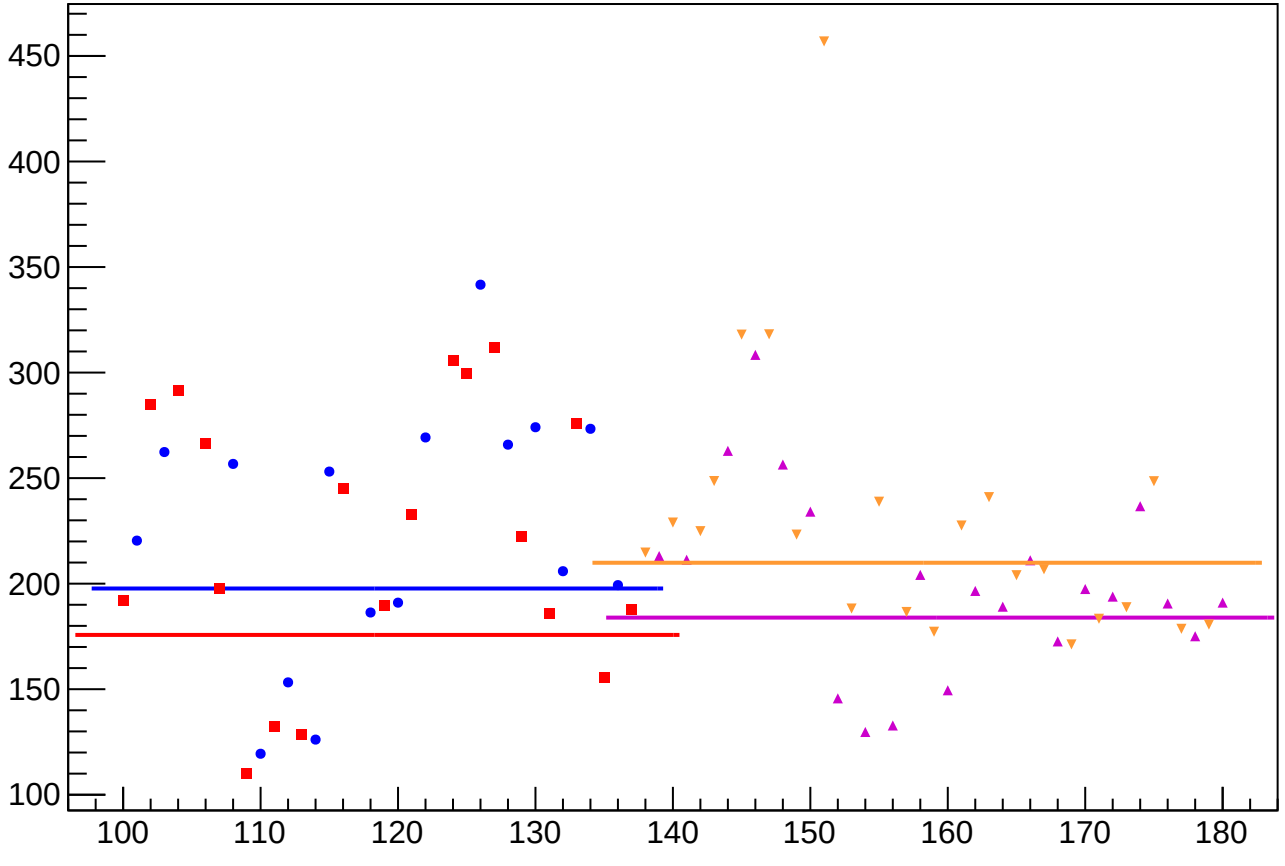
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 84.298+/-39.781 χ^2/NDF:26.7/36

Out: 45.936+/-41.583 χ^2/NDF:29.9/40

All: 65.966+/-28.745 χ^2/NDF: 57.0/77

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: 209.906+/-0.037 χ^2/NDF:1331292.4/21

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

Left: 195.450+/-0.024 χ^2/NDF: 3158724.2/42

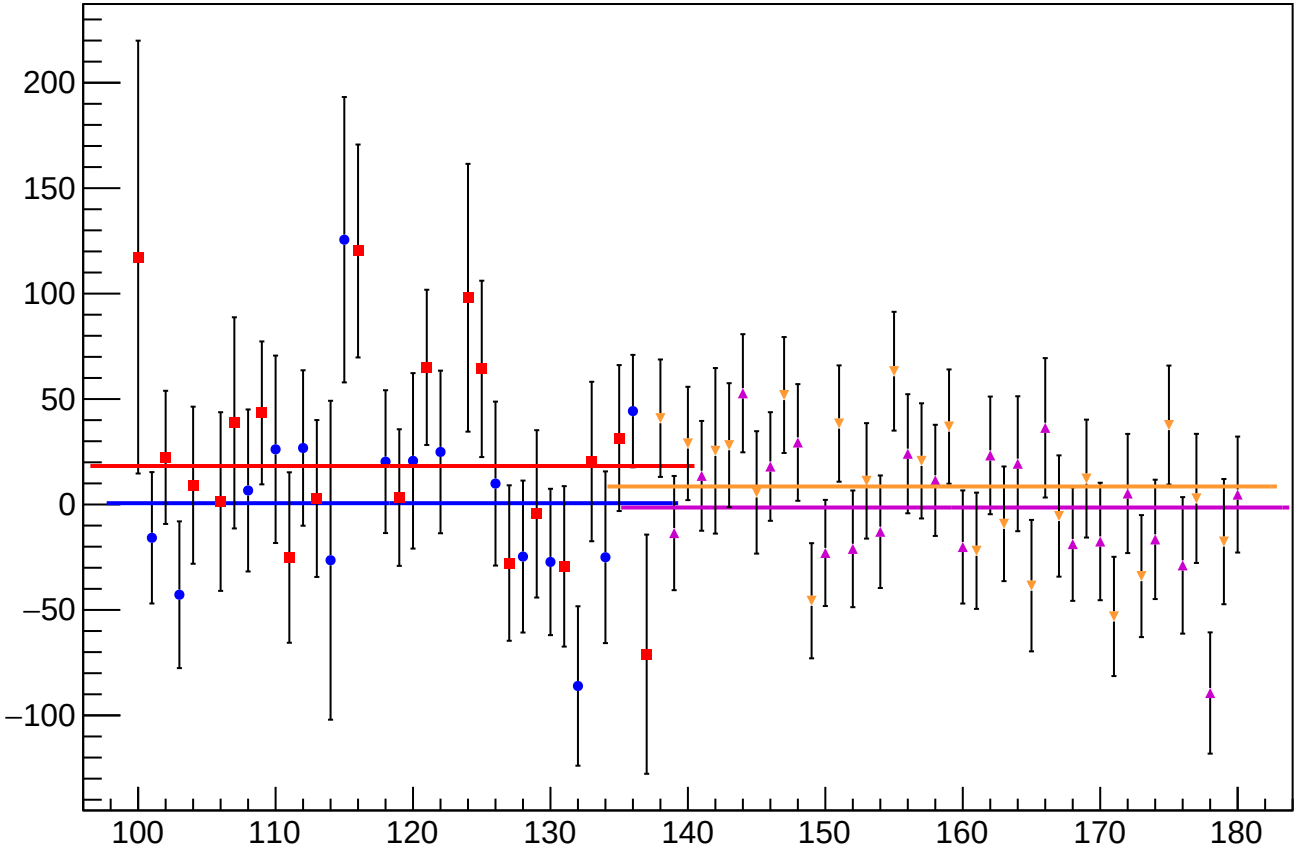
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.541+/-0.028 χ^2/NDF:2595080.4/36

Out: 197.686+/-0.029 χ^2/NDF:3232378.3/40

All: 192.389+/-0.020 χ^2/NDF: 5889614.6/77

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: 8.545+/-6.082 χ^2/NDF:28.2/21

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: -1.432+/-6.070 χ^2/NDF:22.8/20

Left: 3.547+/-4.296 χ^2/NDF: 52.3/42

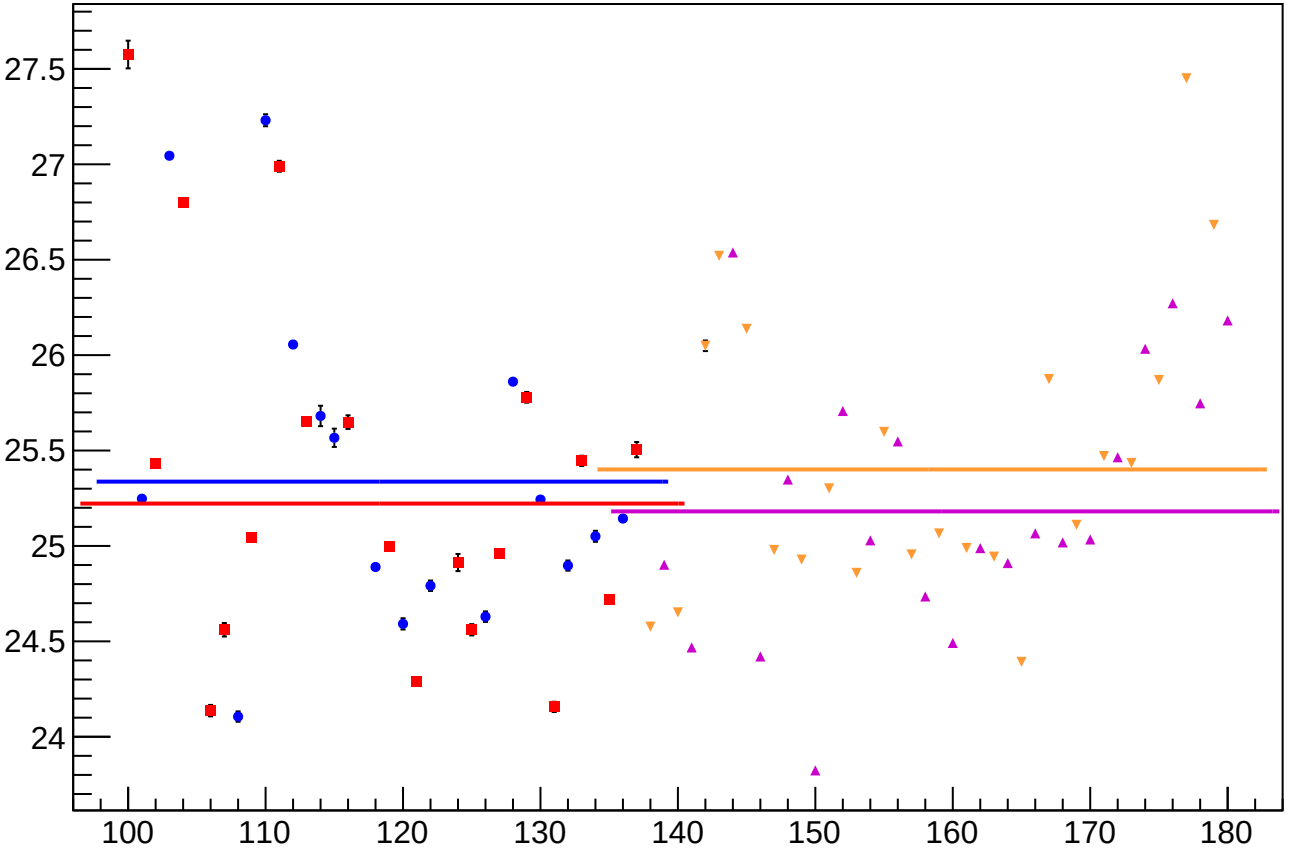
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: -0.830+/-5.103 χ^2/NDF:39.6/36

Out: 11.492+/-5.075 χ^2/NDF:47.0/40

All: 5.365+/-3.598 χ^2/NDF: 89.4/77

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.401+/-0.004 χ^2/NDF:27980.3/21

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.181+/-0.004 χ^2/NDF:25167.7/20

Left: 25.291+/-0.003 χ^2/NDF: 54457.0/42

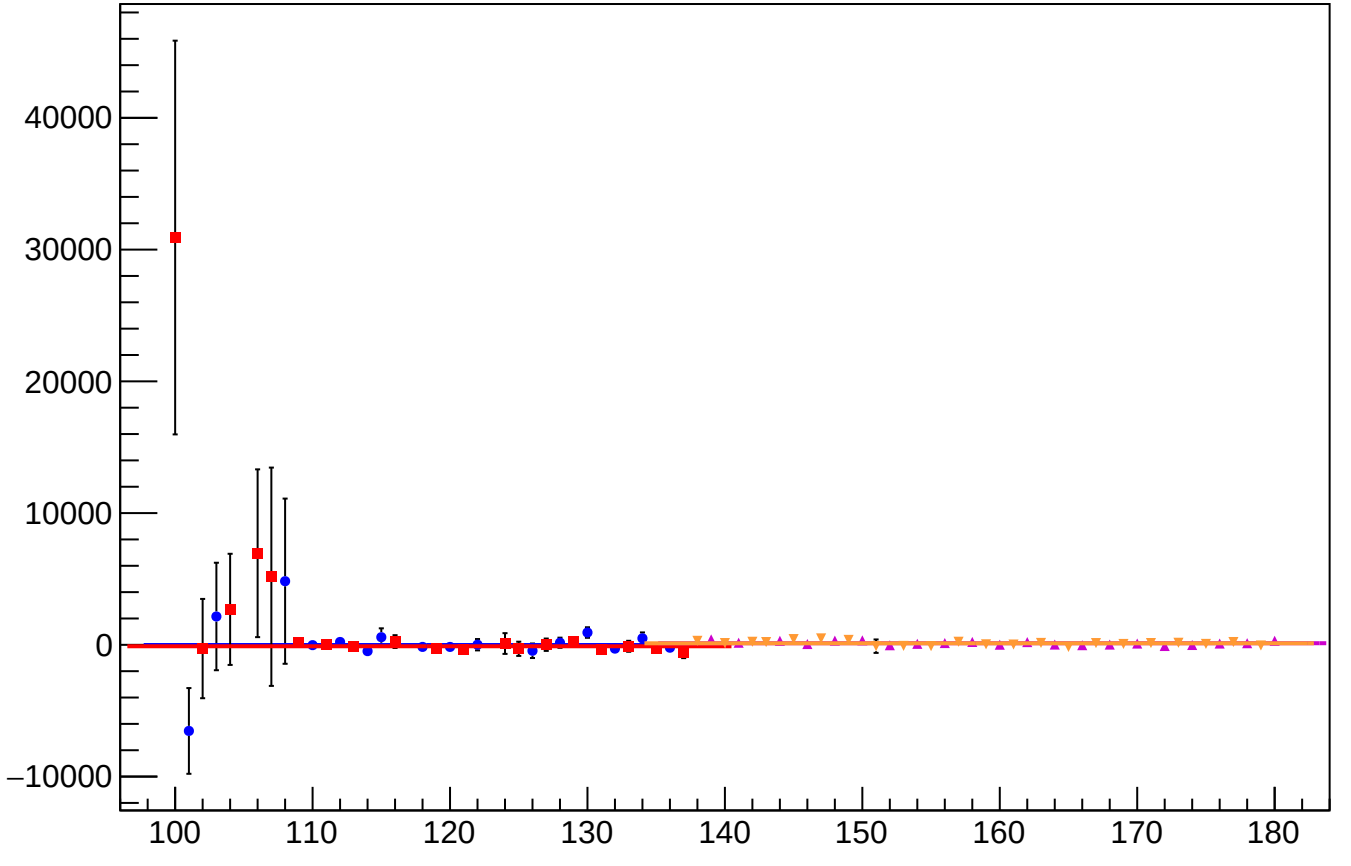
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.227+/-0.004 χ^2/NDF:39869.9/36

Out: 25.347+/-0.004 χ^2/NDF:43729.5/40

All: 25.287+/-0.003 χ^2/NDF: 84153.5/77

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: 116.973+/-51.906 χ^2/NDF:8.2/21

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 122.837+/-46.806 χ^2/NDF:7.5/20

Left: 120.207+/-34.761 χ^2/NDF: 15.7/42

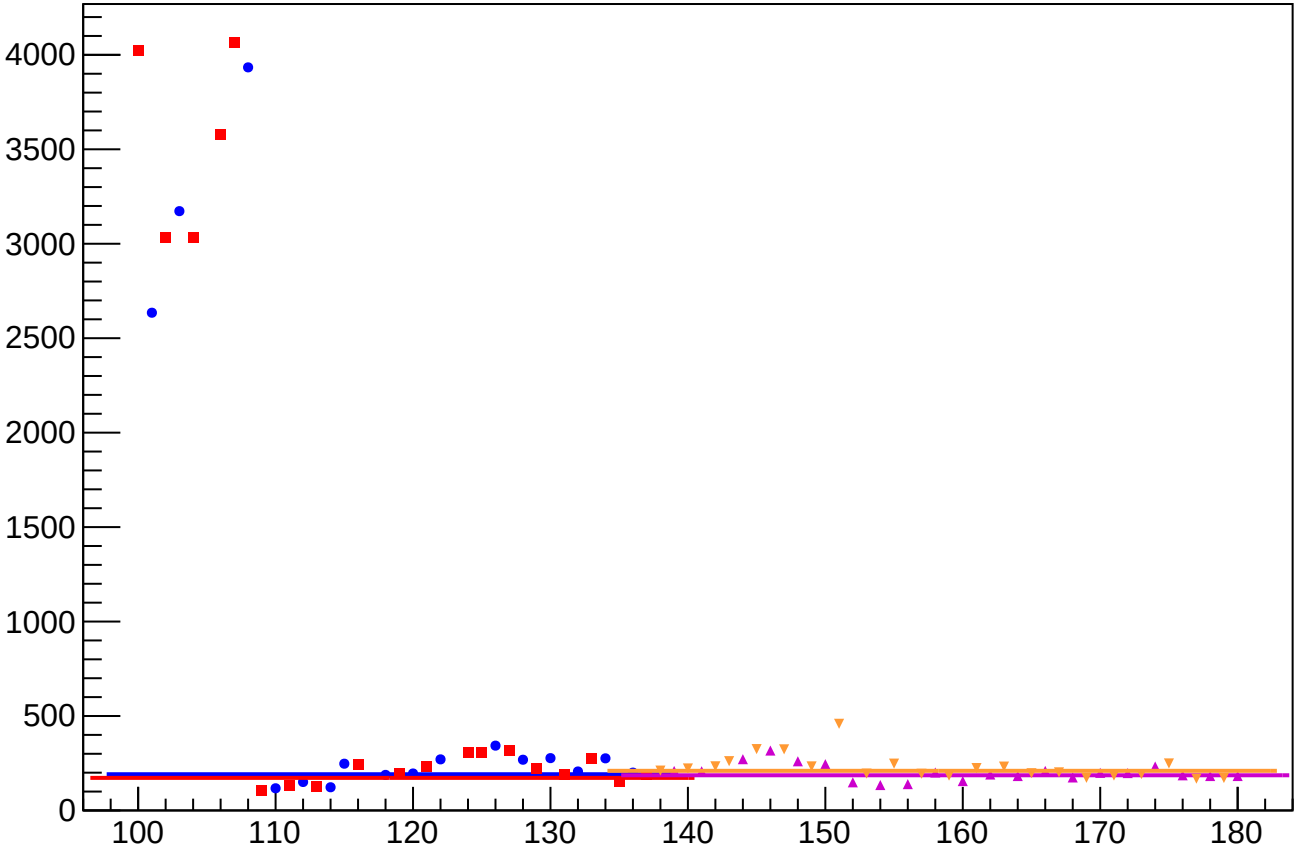
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 90.486+/-40.967 χ^2/NDF:27.9/36

Out: 47.793+/-43.229 χ^2/NDF:28.0/40

All: 70.286+/-29.736 χ^2/NDF: 56.4/77

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: 209.825+/-0.037 χ^2/NDF:1421506.0/21

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.249+/-0.033 χ^2/NDF:1407108.3/20

Left: 196.822+/-0.025 χ^2/NDF: 3056160.8/42

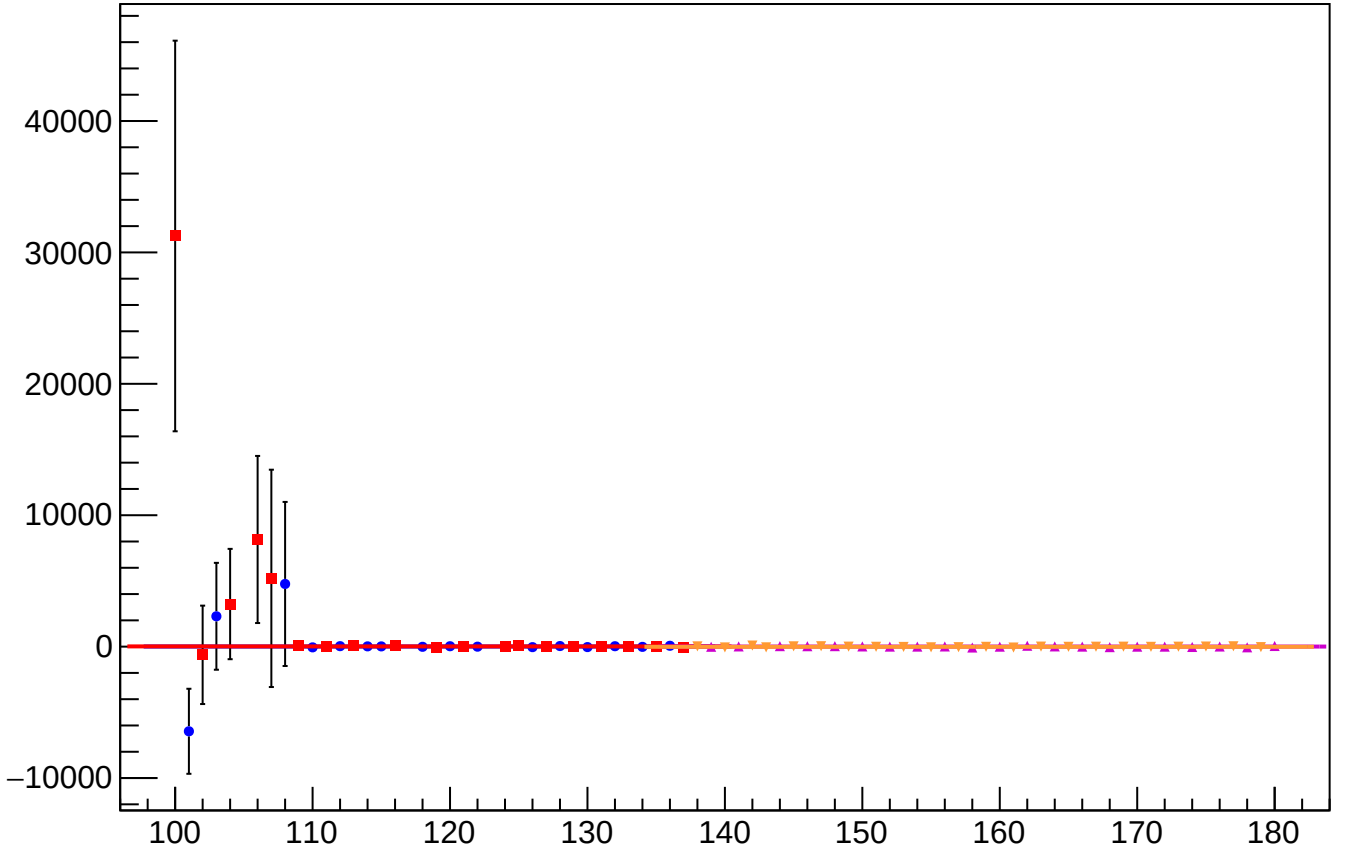
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 187.533+/-0.029 χ^2/NDF:5235340.3/36

Out: 198.378+/-0.031 χ^2/NDF:6042125.5/40

All: 192.664+/-0.021 χ^2/NDF: 11343777.2/77

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.226+/-6.868 χ^2/NDF:20.5/21

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 5.478+/-6.908 χ^2/NDF:22.8/20

Left: -3.426+/-4.871 χ^2/NDF: 46.6/42

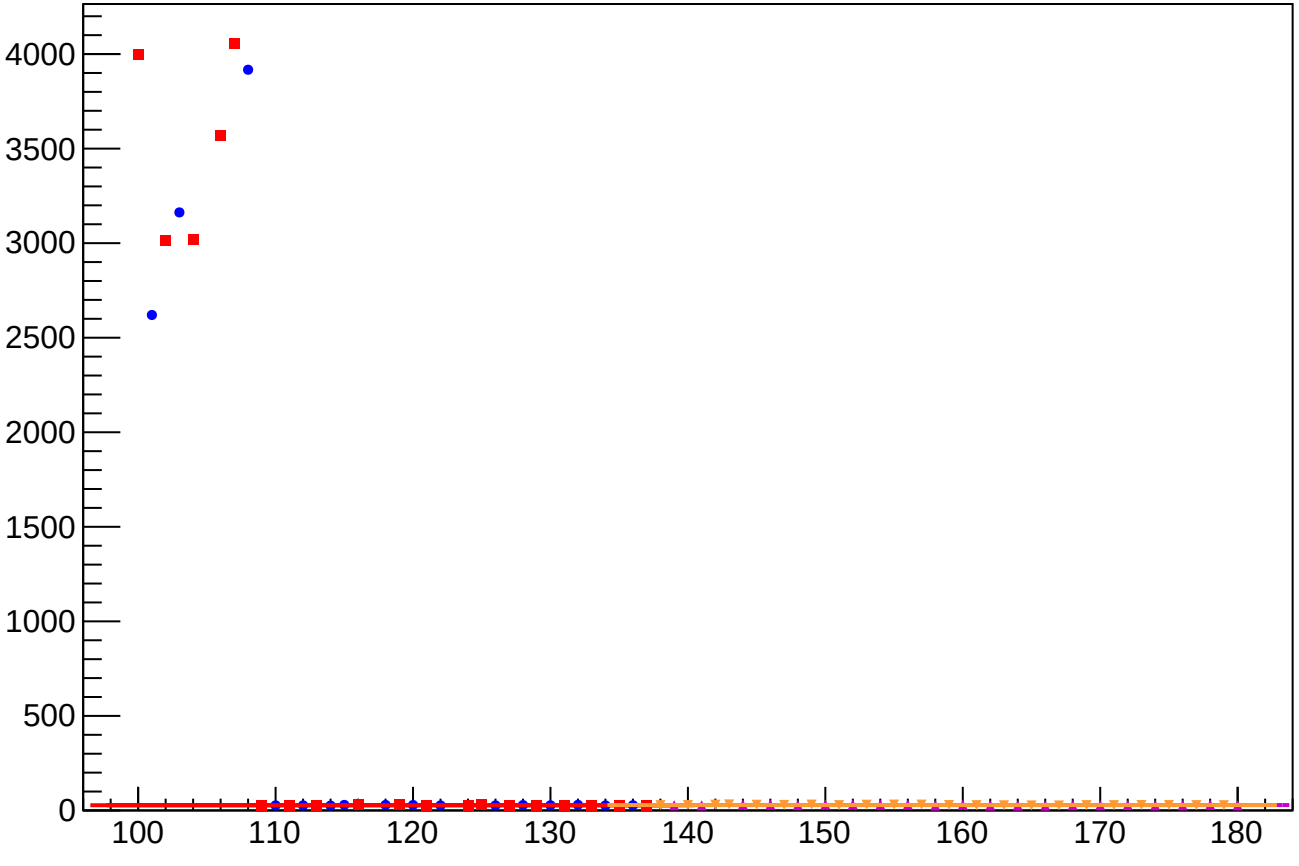
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 6.539+/-5.947 χ^2/NDF:38.9/36

Out: -4.556+/-5.936 χ^2/NDF:50.2/40

All: 0.982+/-4.201 χ^2/NDF: 90.8/77

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: 28.637+/-0.005 χ^2/NDF:85906.6/21

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.587+/-0.005 χ^2/NDF:122610.3/20

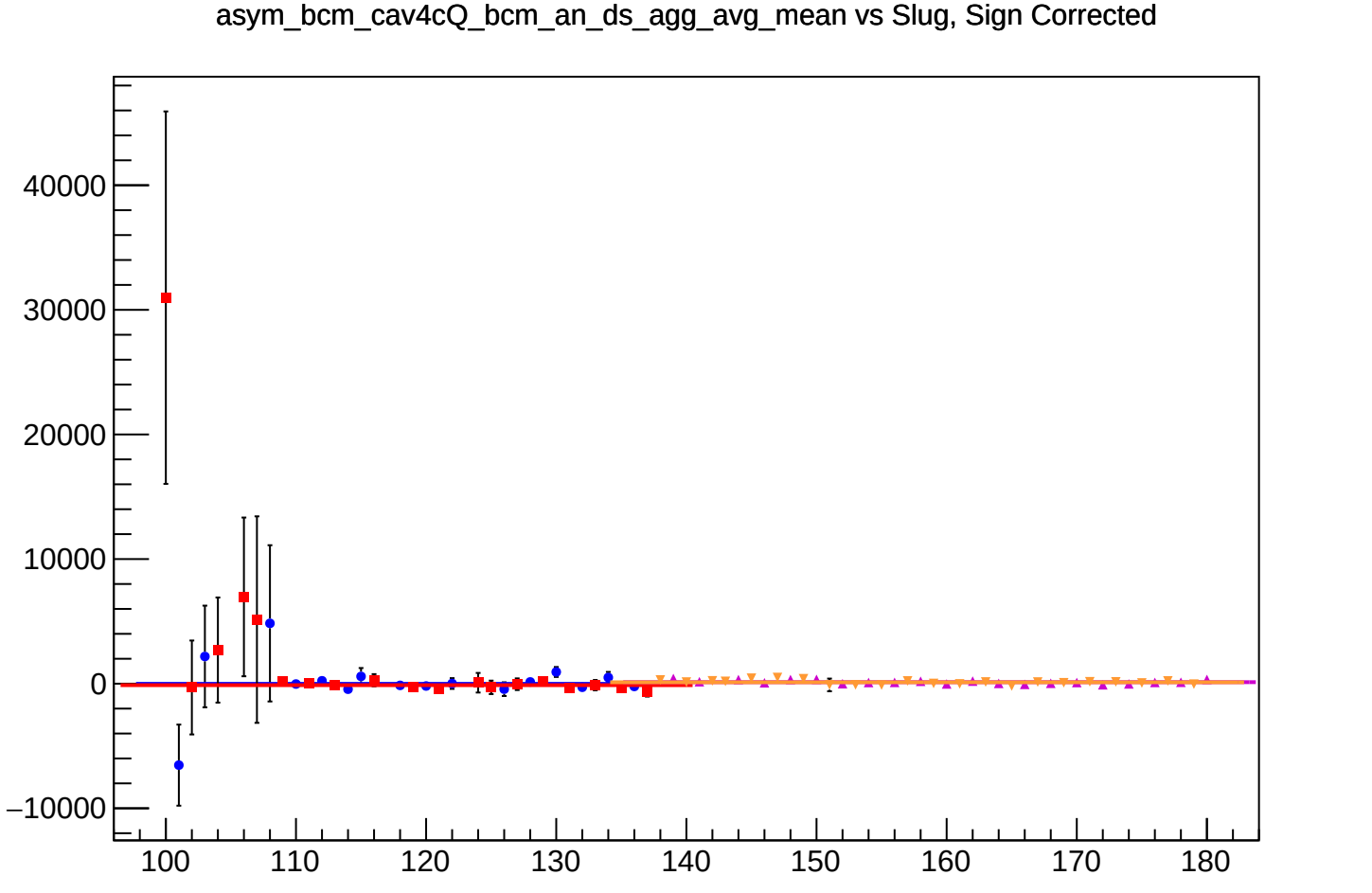
Left: 28.612+/-0.003 χ^2/NDF: 208568.4/42

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.342+/-0.004 χ^2/NDF:3397818.6/36

Out: 28.358+/-0.004 χ^2/NDF:3654161.8/40

All: 28.350+/-0.003 χ^2/NDF: 7051987.3/77



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 113.398+/-51.787 χ^2/NDF:8.9/21

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 121.757+/-46.715 χ^2/NDF:8.1/20

Left: 118.007+/-34.687 χ^2/NDF: 17.0/42

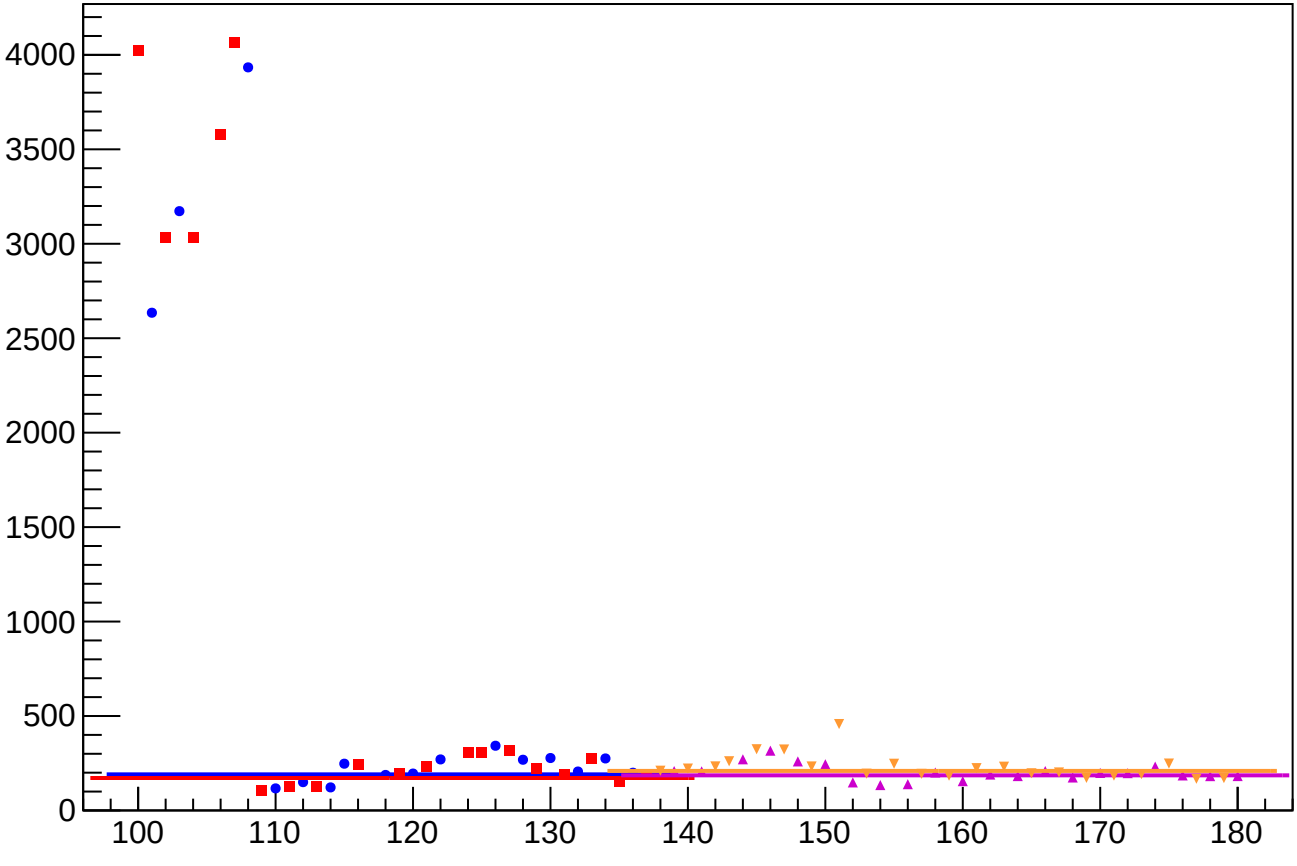
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 90.148+/-40.878 χ^2/NDF:28.4/36

Out: 42.410+/-43.120 χ^2/NDF:29.5/40

All: 67.552+/-29.666 χ^2/NDF: 58.5/77

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: 209.342+/-0.037 χ^2/NDF:1423284.7/21

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

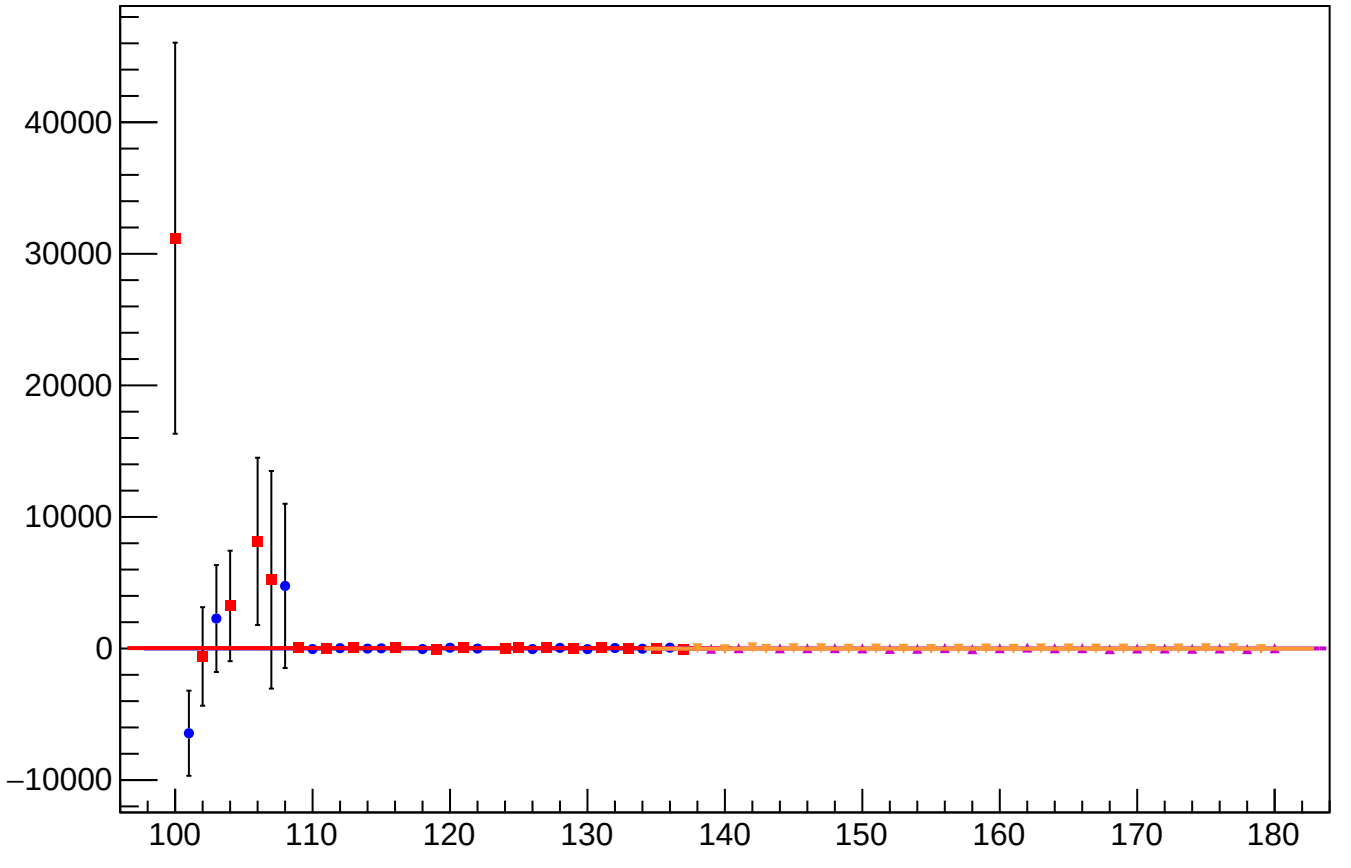
Left: 196.410+/-0.025 χ^2/NDF: 3056083.0/42

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.102+/-0.029 χ^2/NDF:5246331.9/36

Out: 197.839+/-0.030 χ^2/NDF:6059755.5/40

All: 192.184+/-0.021 χ^2/NDF: 11371395.5/77



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.116+/-6.903 χ^2/NDF:15.8/21

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 5.610+/-6.939 χ^2/NDF:18.6/20

Left: -1.791+/-4.894 χ^2/NDF: 36.7/42

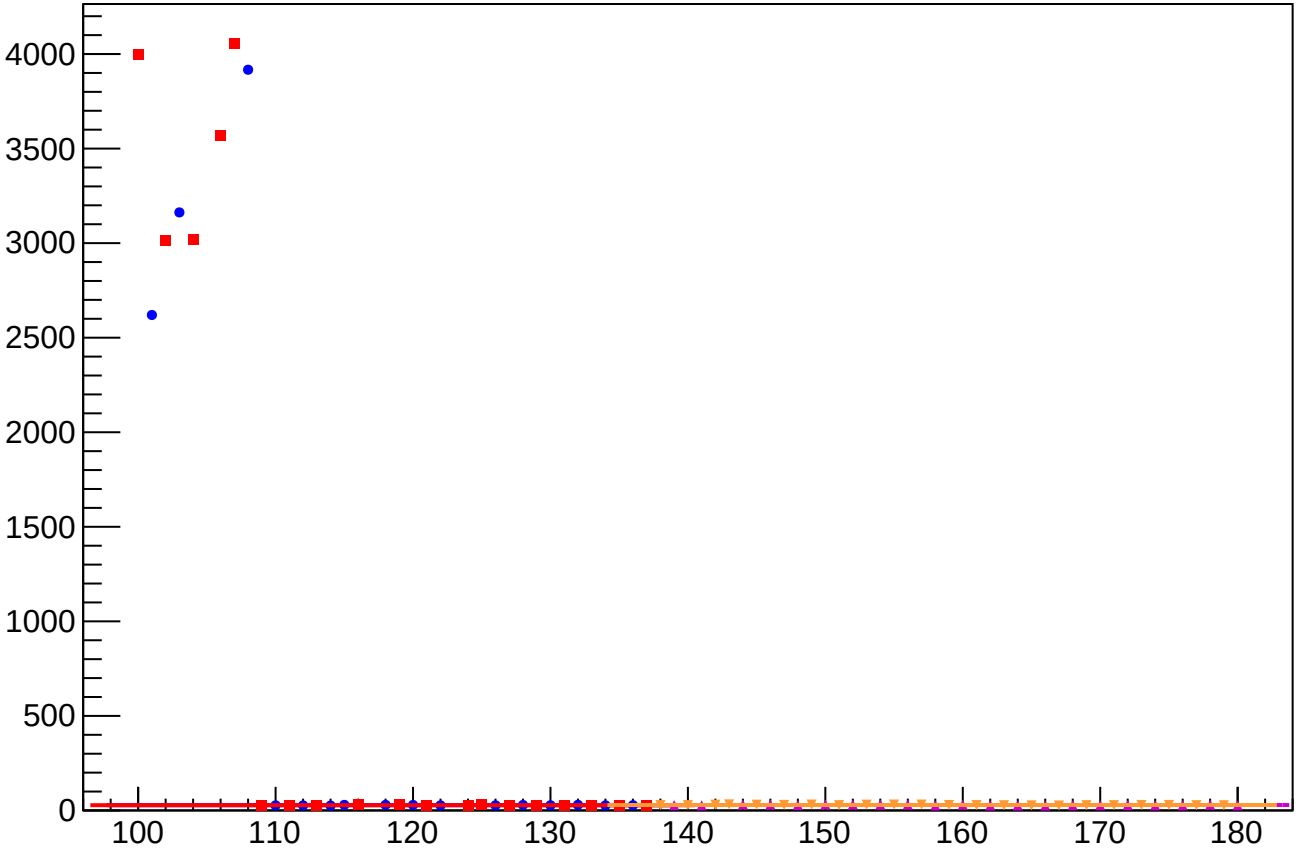
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 5.837+/-5.977 χ^2/NDF:36.9/36

Out: 0.974+/-5.971 χ^2/NDF:44.2/40

All: 3.403+/-4.224 χ^2/NDF: 81.4/77

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:95475.8/21

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

Left: 28.747+/-0.003 χ^2/NDF: 222742.4/42

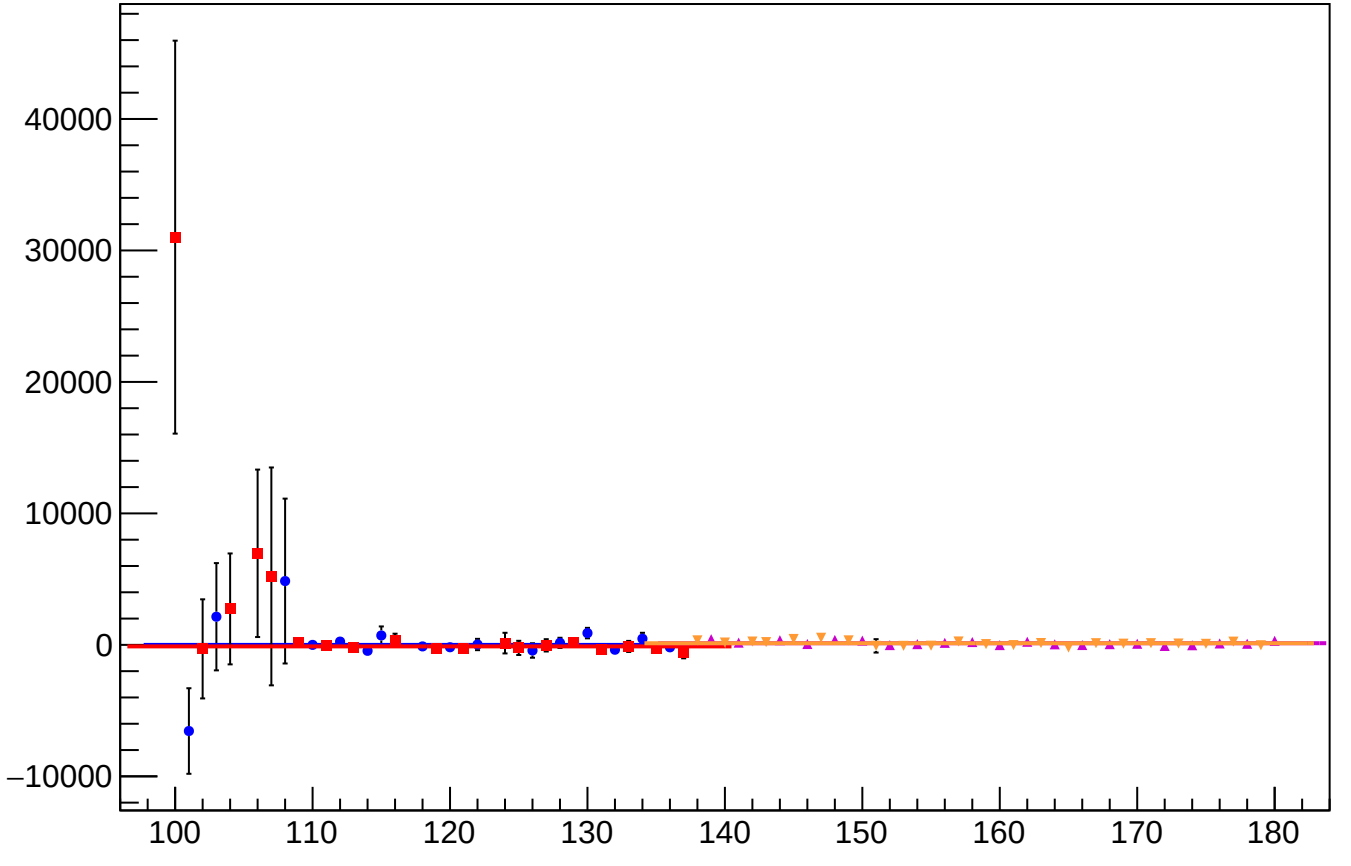
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.486+/-0.004 χ^2/NDF:3401584.7/36

Out: 28.521+/-0.004 χ^2/NDF:3665253.6/40

All: 28.503+/-0.003 χ^2/NDF: 7066872.5/77

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.295+/-52.238 χ^2/NDF:8.9/21

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 126.598+/-47.201 χ^2/NDF:8.2/20

Left: 125.113+/-35.022 χ^2/NDF: 17.1/42

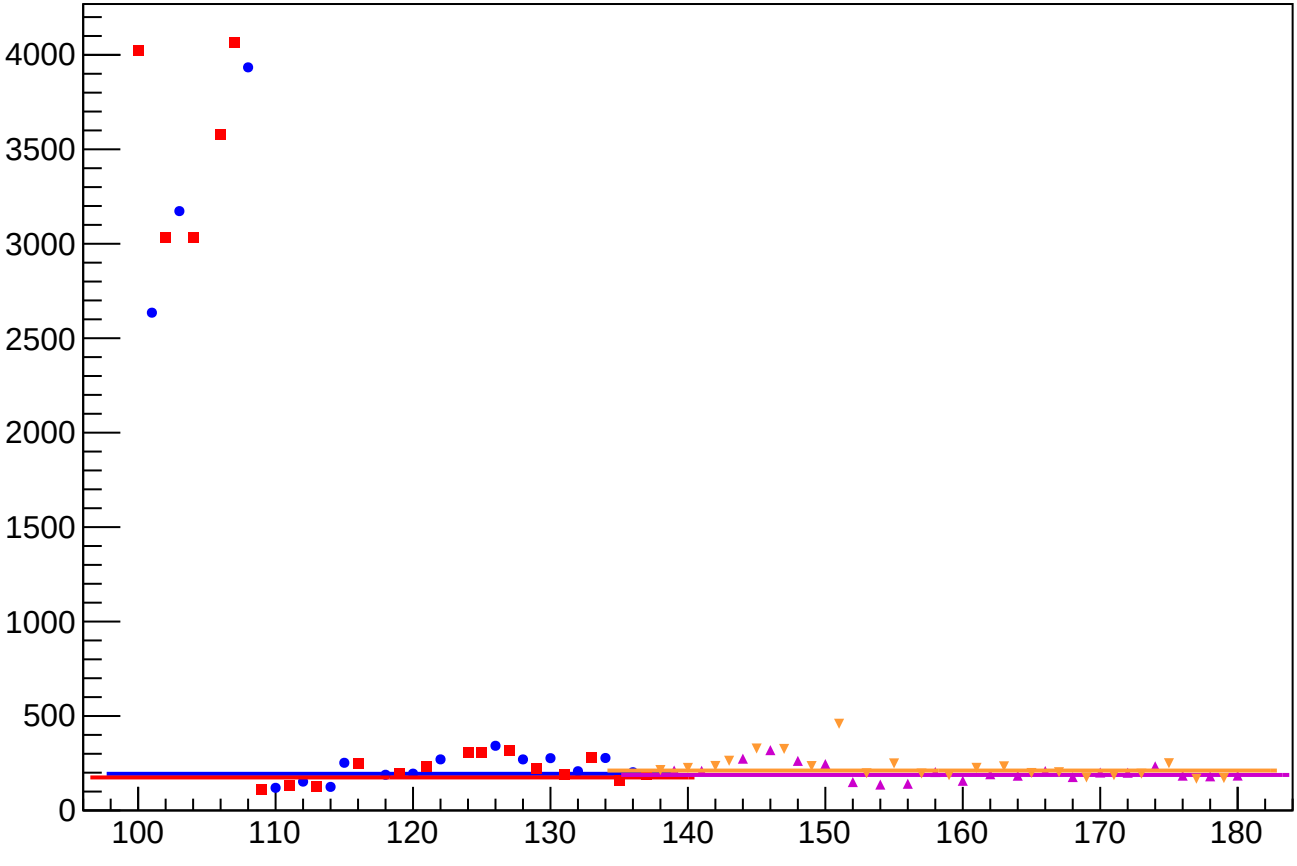
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 96.379+/-41.323 χ^2/NDF:28.2/36

Out: 50.511+/-43.565 χ^2/NDF:29.1/40

All: 74.655+/-29.981 χ^2/NDF: 57.8/77

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: 211.201+/-0.037 χ^2/NDF:1426335.1/21

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 187.955+/-0.033 χ^2/NDF:1377042.0/20

Left: 198.404+/-0.025 χ^2/NDF: 3021409.3/42

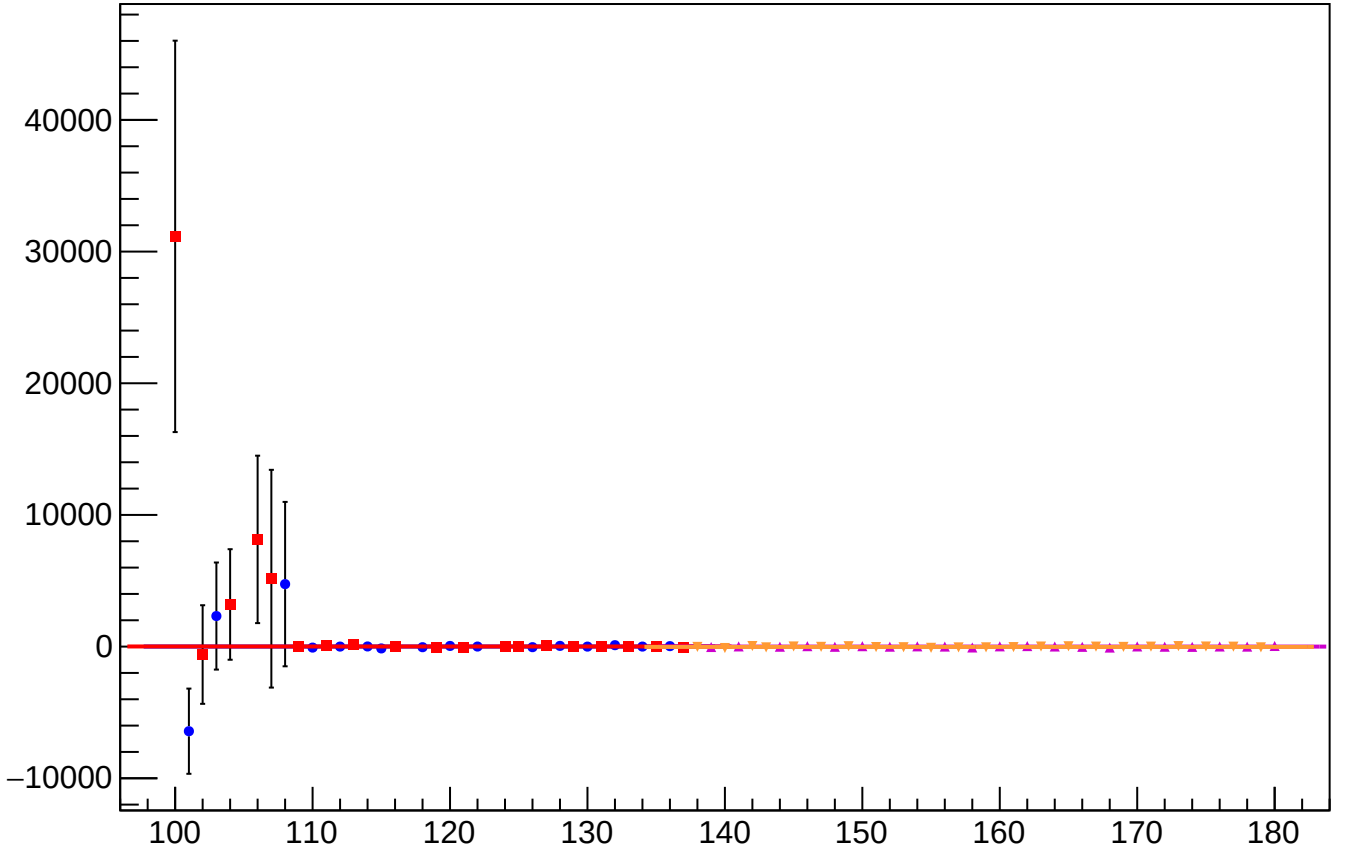
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 189.355+/-0.029 χ^2/NDF:5169034.0/36

Out: 200.112+/-0.031 χ^2/NDF:5981685.3/40

All: 194.449+/-0.021 χ^2/NDF: 11214906.0/77

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: -23.813+/-8.247 χ^2/NDF:21.5/21

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 0.103+/-8.324 χ^2/NDF:14.1/20

Left: -11.965+/-5.858 χ^2/NDF: 39.8/42

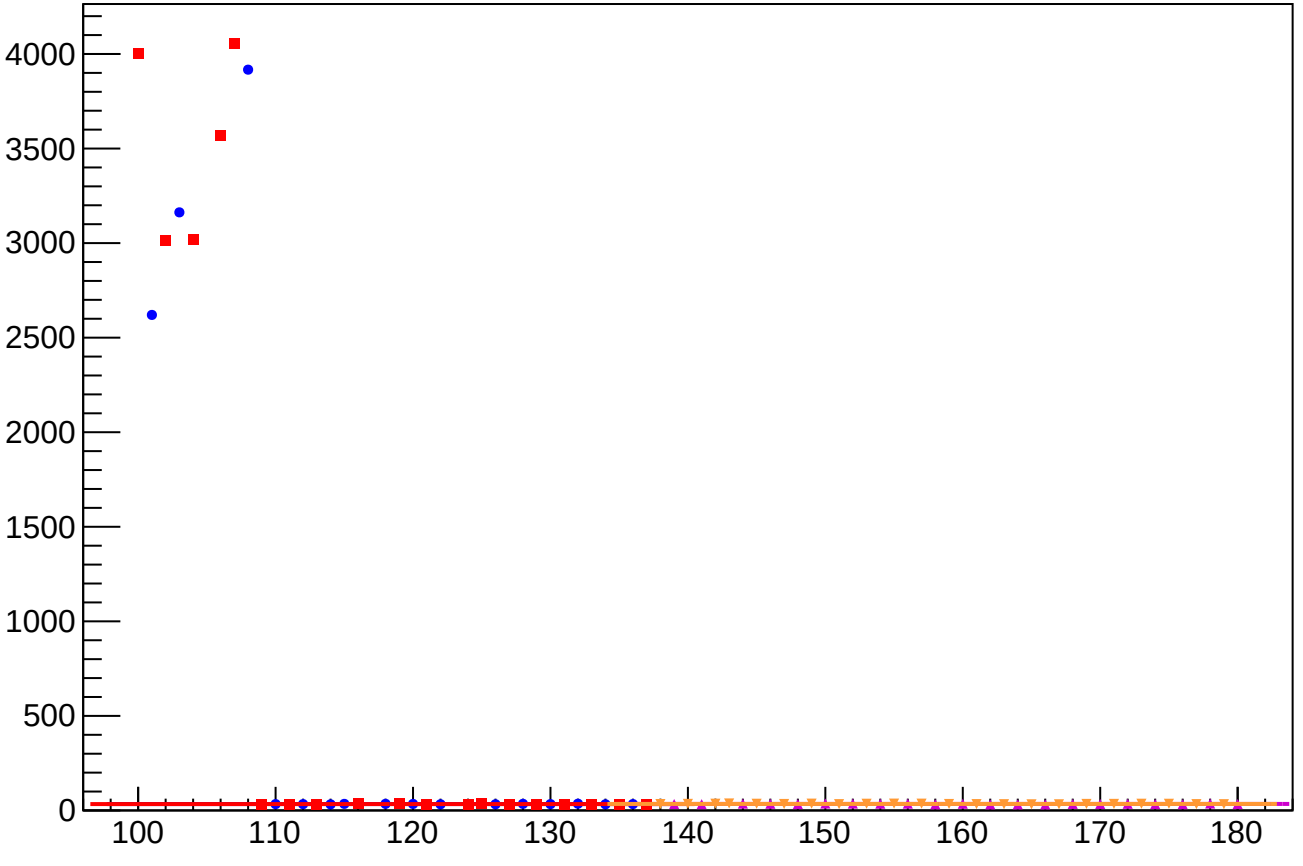
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 1.509+/-7.194 χ^2/NDF:31.7/36

Out: -15.489+/-7.160 χ^2/NDF:49.1/40

All: -7.031+/-5.075 χ^2/NDF: 83.6/77

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: 34.432+/-0.006 χ^2/NDF:43645.6/21

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.506+/-0.006 χ^2/NDF:58118.3/20

Left: 34.469+/-0.004 χ^2/NDF: 101842.7/42

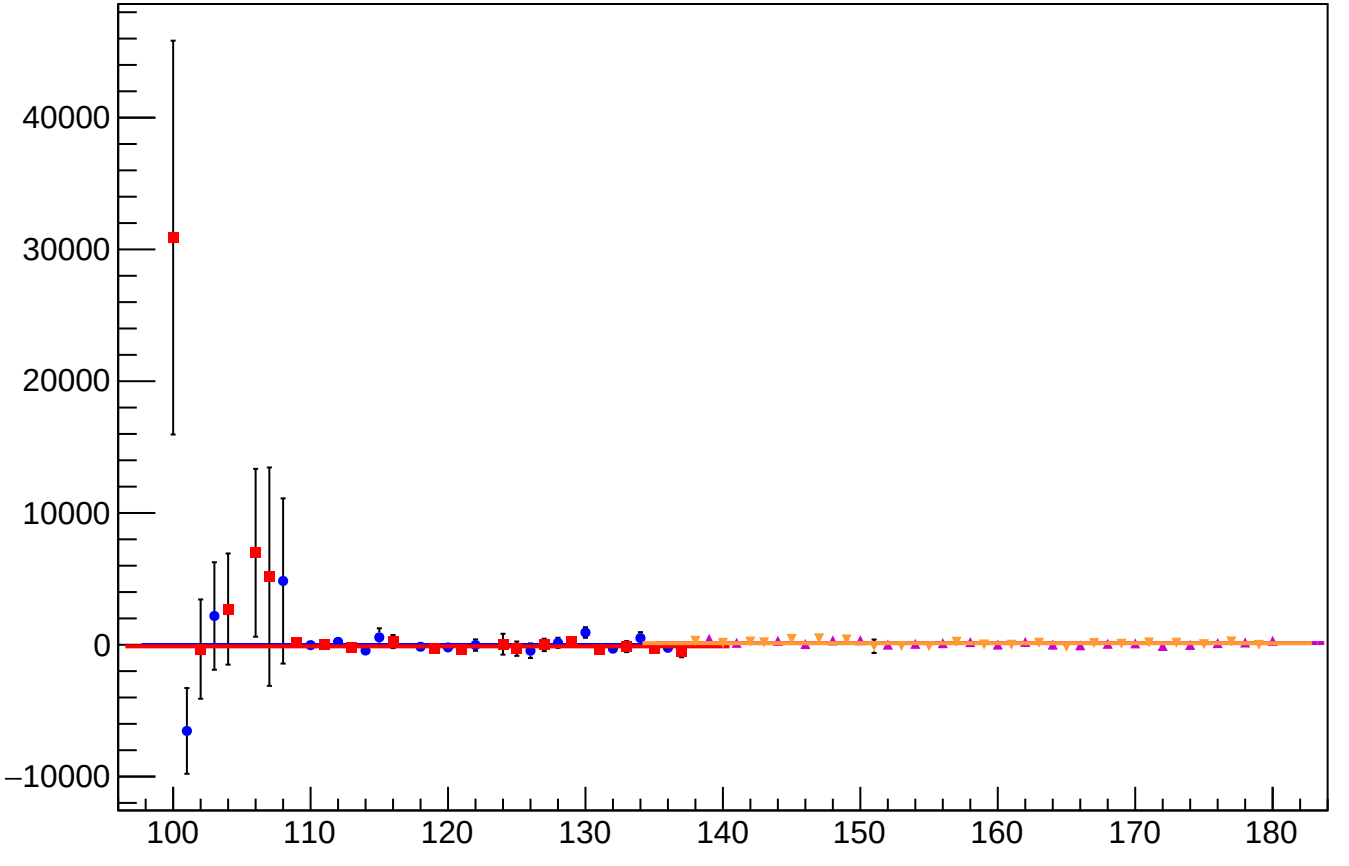
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.352+/-0.005 χ^2/NDF:3305183.3/36

Out: 34.258+/-0.005 χ^2/NDF:3573716.9/40

All: 34.305+/-0.004 χ^2/NDF: 6879071.8/77

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.372+/-52.211 χ^2/NDF:8.6/21

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 131.380+/-47.144 χ^2/NDF:7.4/20

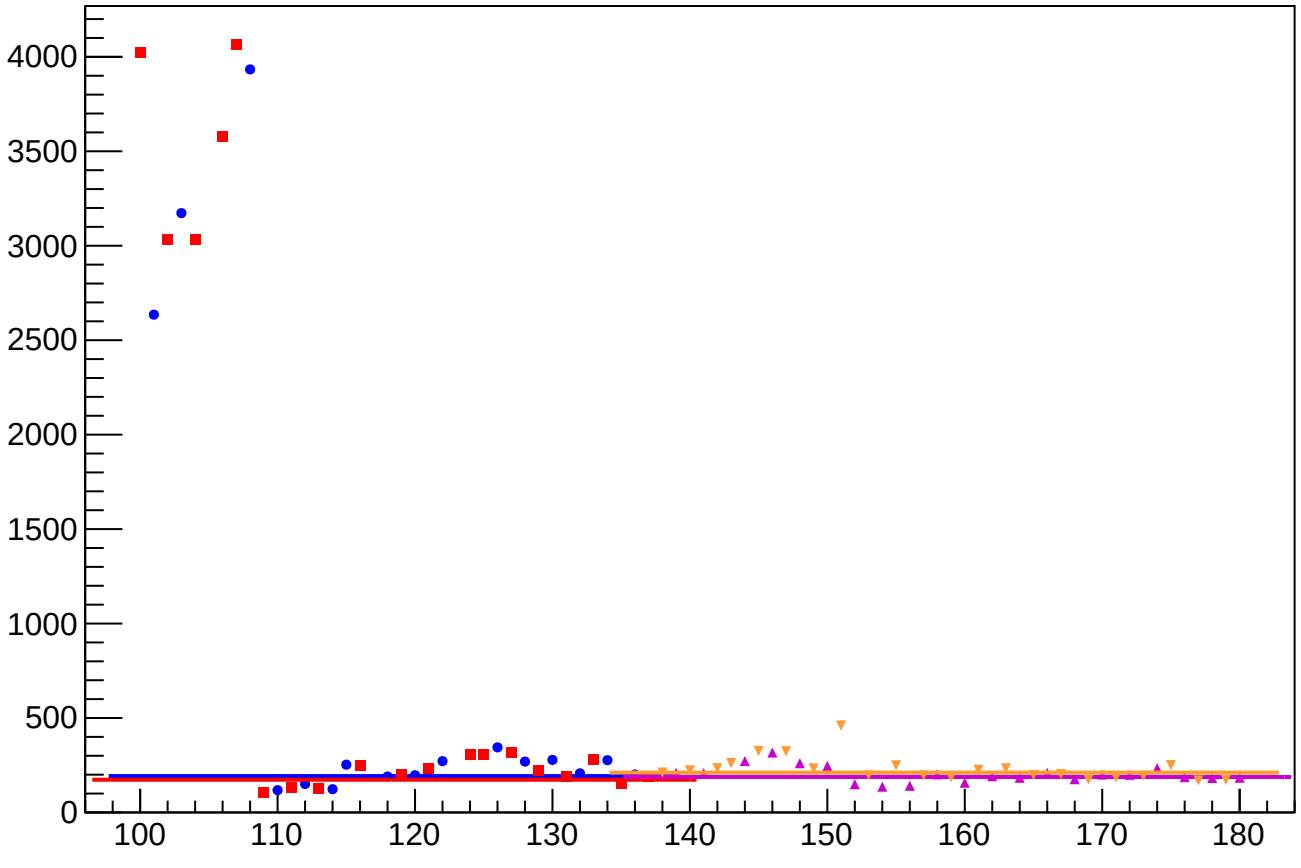
Left: 126.436+/-34.990 χ^2/NDF: 16.0/42

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 95.920+/-41.234 χ^2/NDF:28.0/36

Out: 46.615+/-43.466 χ^2/NDF:28.4/40

All: 72.566+/-29.915 χ^2/NDF: 57.1/77



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 211.143+/-0.037 χ^2/NDF:1404493.2/21

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

Left: 198.244+/-0.025 χ^2/NDF: 2992651.7/42

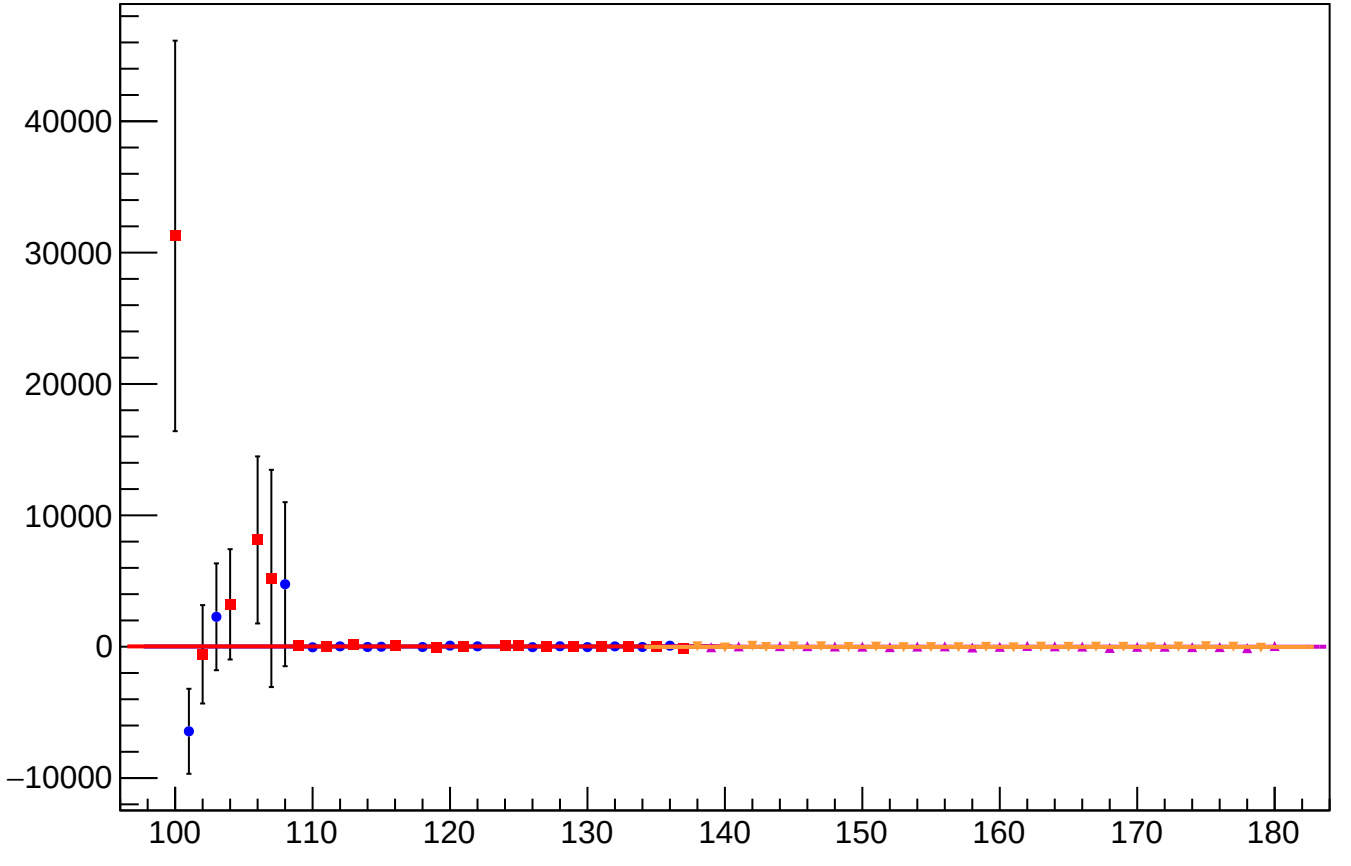
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 188.863+/-0.029 χ^2/NDF:5194295.5/36

Out: 199.512+/-0.031 χ^2/NDF:6035281.8/40

All: 193.907+/-0.021 χ^2/NDF: 11292754.9/77

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: -16.446+/-7.511 χ^2/NDF:18.9/21

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -1.605+/-7.566 χ^2/NDF:34.9/20

Left: -9.080+/-5.331 χ^2/NDF: 55.7/42

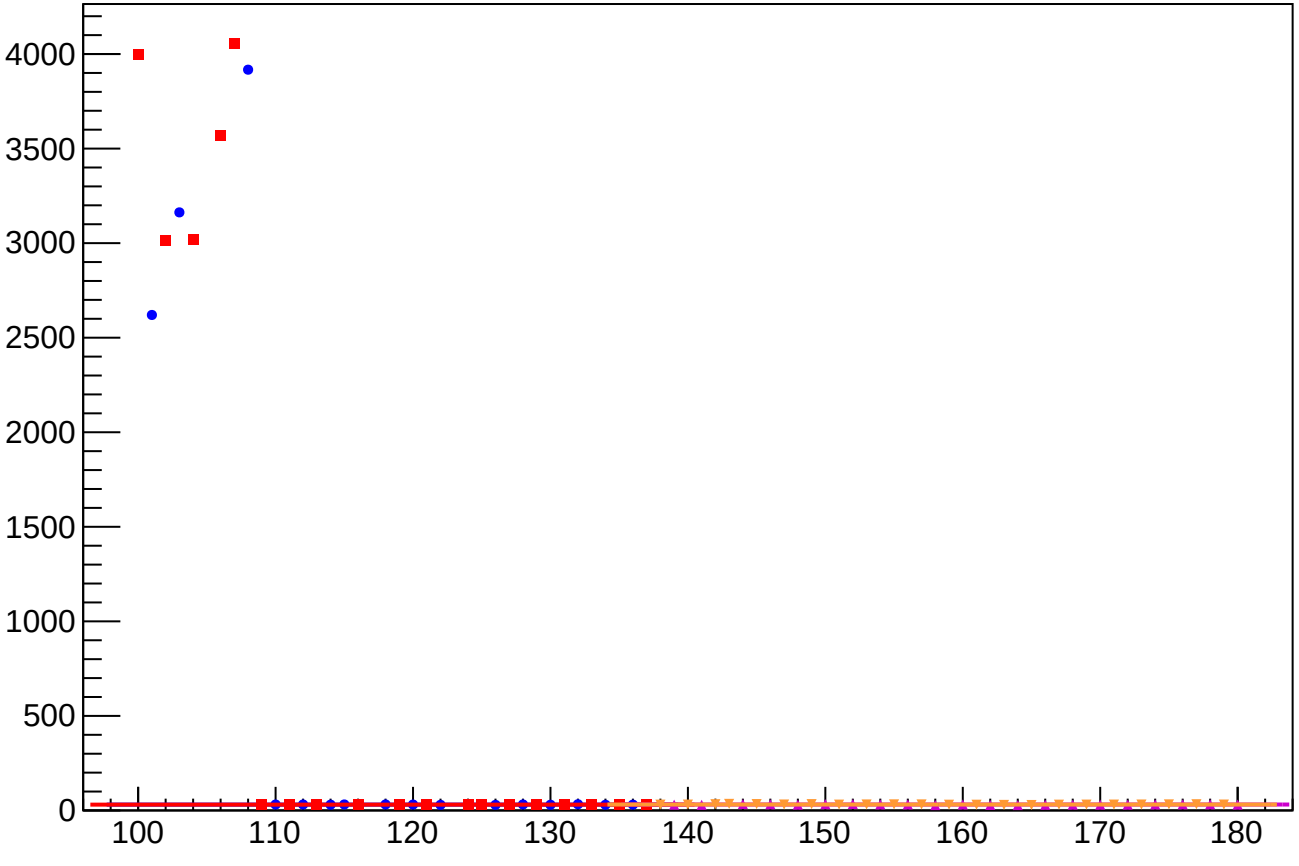
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 2.243+/-6.547 χ^2/NDF:51.4/36

Out: -6.720+/-6.526 χ^2/NDF:54.4/40

All: -2.253+/-4.622 χ^2/NDF: 106.7/77

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: 31.337+/-0.005 χ^2/NDF:62609.7/21

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

Left: 31.336+/-0.004 χ^2/NDF: 146589.3/42

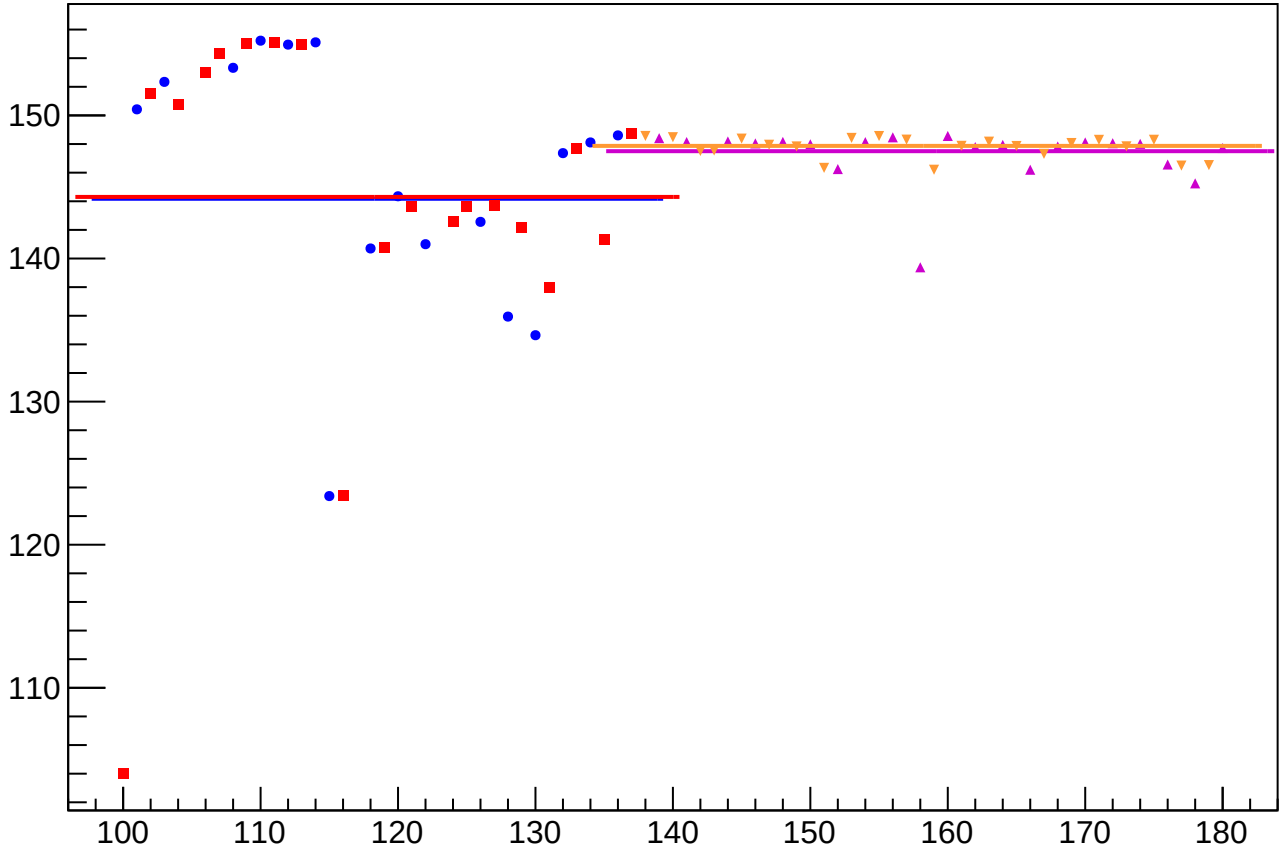
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.233+/-0.005 χ^2/NDF:3338043.6/36

Out: 31.200+/-0.005 χ^2/NDF:3601567.7/40

All: 31.216+/-0.003 χ^2/NDF: 6939638.0/77

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

Left: 147.692+/-0.000 χ^2/NDF: 357079691.7/42

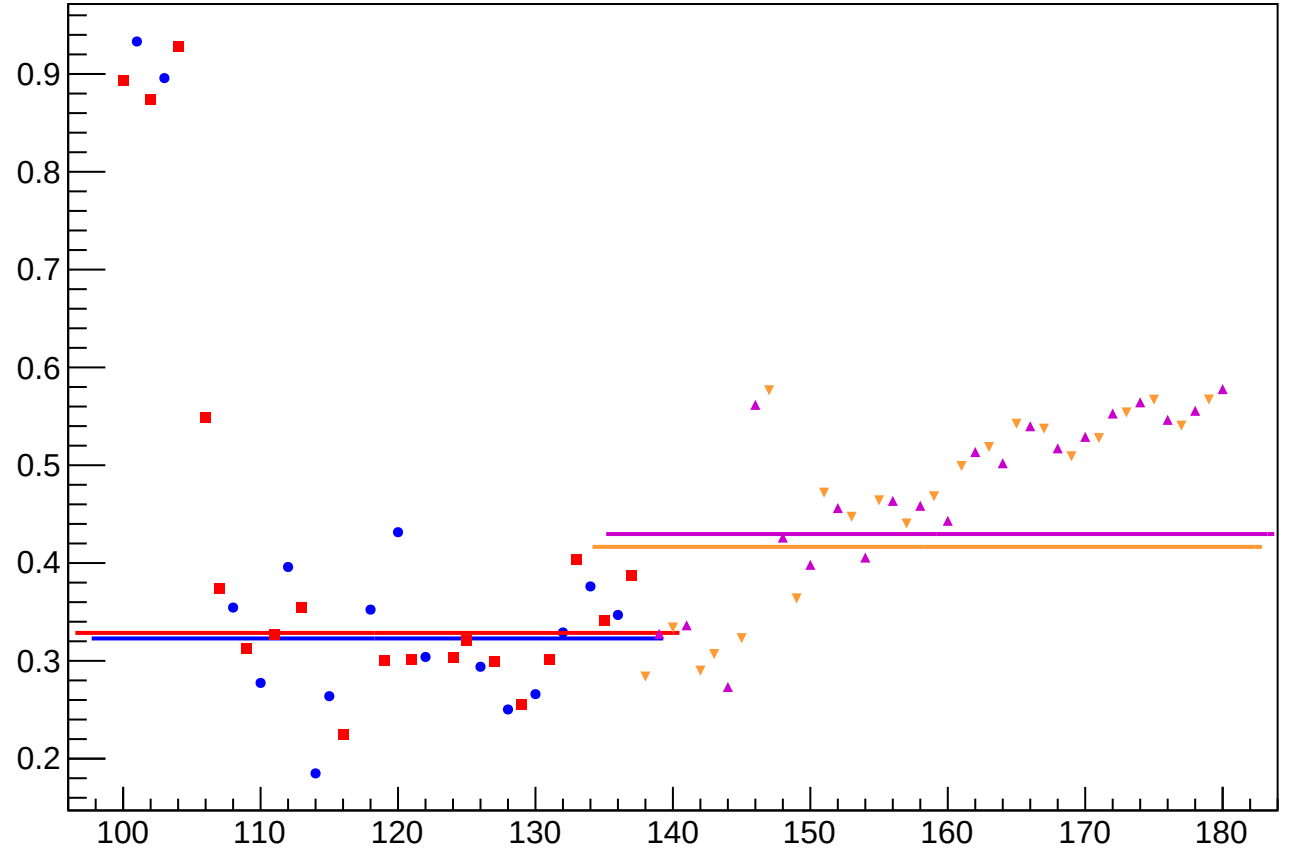
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.174+/-0.000 χ^2/NDF:4409844168.2/36

Out: 146.513+/-0.000 χ^2/NDF:4754174836.7/40

All: 146.347+/-0.000 χ^2/NDF: 9172425595.9

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.430+/-0.000 χ^2/NDF:1641692.8/20

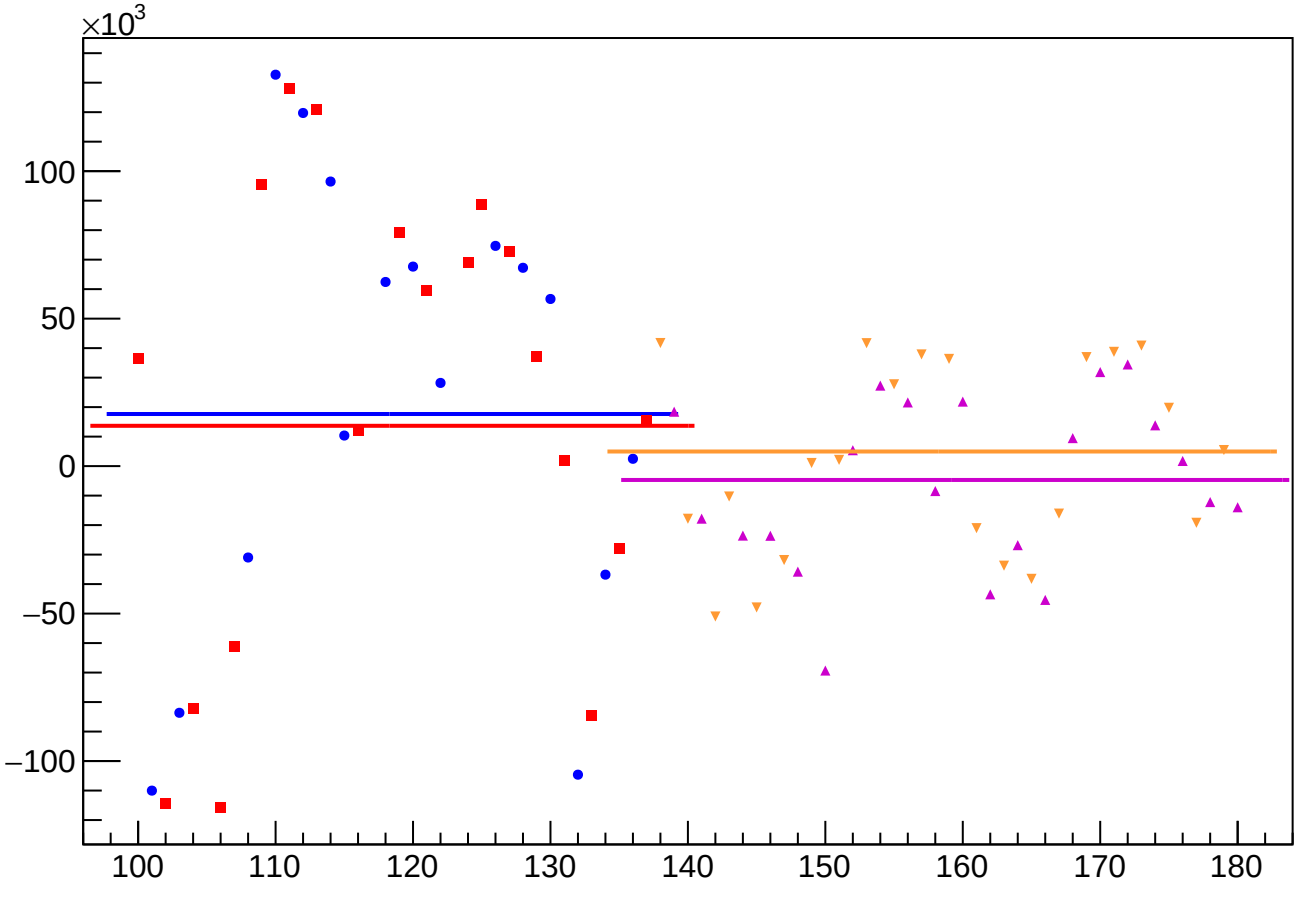
Left: 0.423+/-0.000 χ^2/NDF: 3576159.8/42

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.387+/-0.000 χ^2/NDF:3819348.4/36

Out: 0.383+/-0.000 χ^2/NDF:3764602.1/40

All: 0.385+/-0.000 χ^2/NDF: 7586263.7/77



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4952.300+/-1.167 χ^2/NDF:696069545.8/21

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -4696.678+/-1.169 χ^2/NDF:587132078.3/20

Left: 136.847+/-0.826 χ^2/NDF: 1317327237.7/42

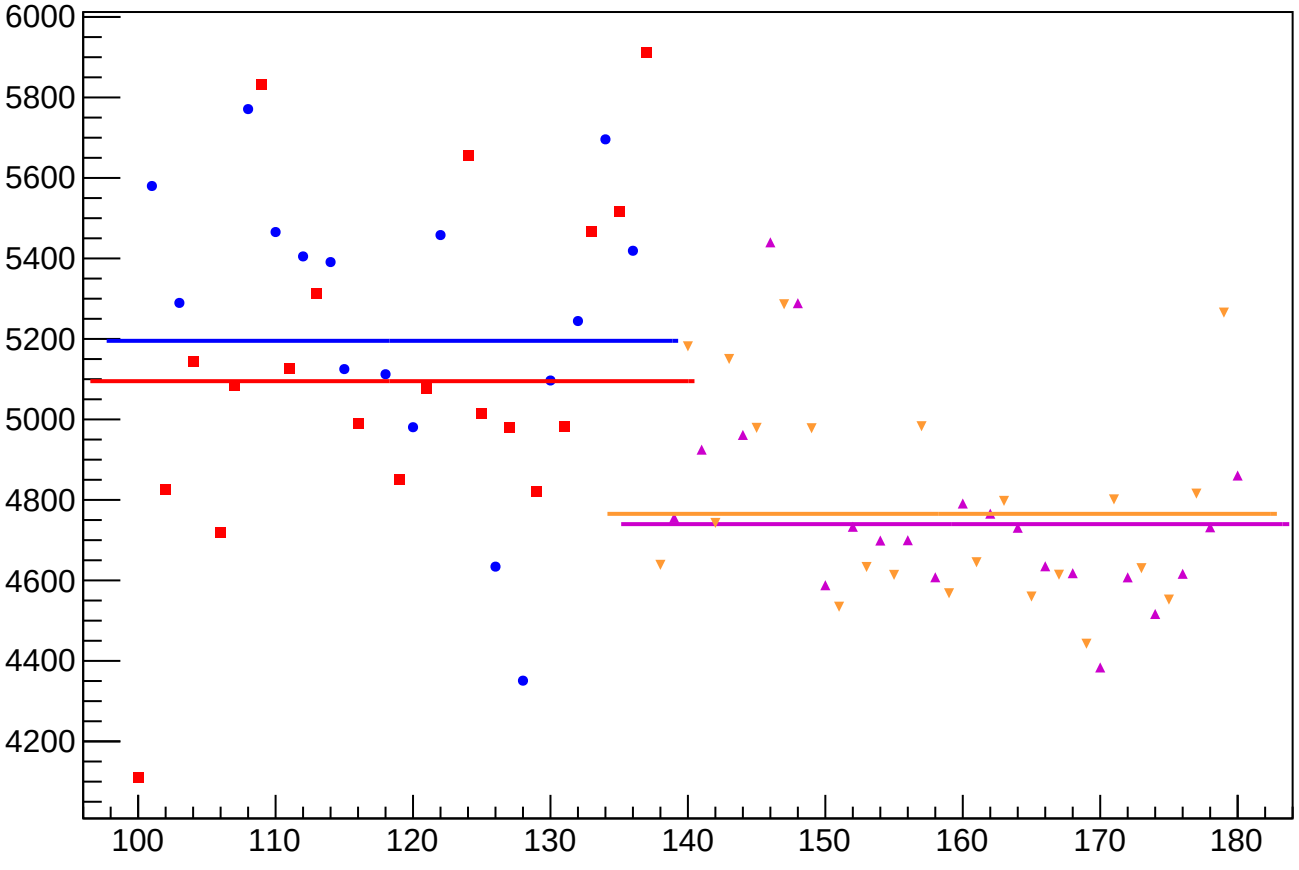
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 974.237+/-1.010 χ^2/NDF:2078653966.6/36

Out: 7293.920+/-0.998 χ^2/NDF:2568018797.6/40

All: 4172.298+/-0.710 χ^2/NDF: 4666485908.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4765.379+/-0.825 χ^2/NDF:85253.0/21

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.831+/-0.827 χ^2/NDF:72167.7/20

Left: 4752.629+/-0.584 χ^2/NDF: 157899.2/42

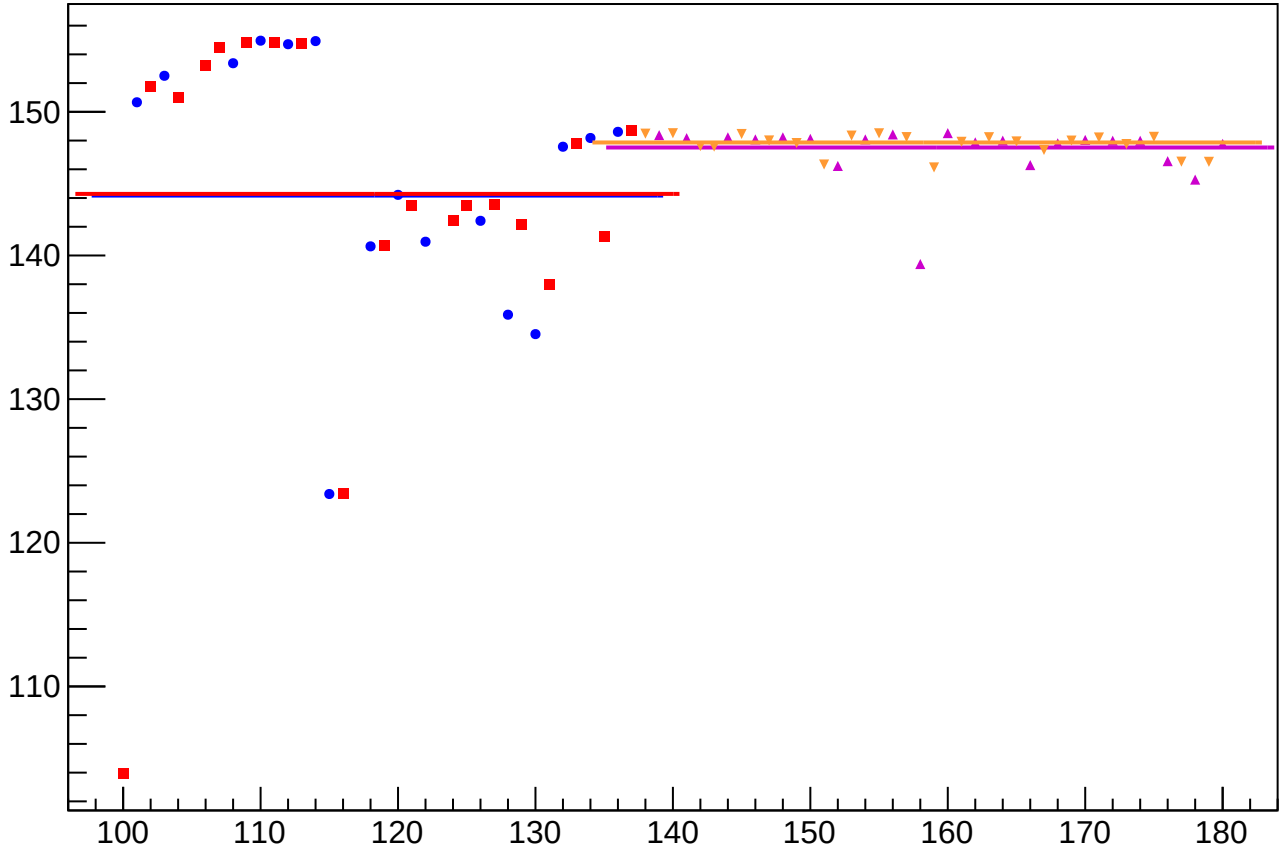
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4855.344+/-0.714 χ^2/NDF:226326.7/36

Out: 4853.967+/-0.706 χ^2/NDF:187263.9/40

All: 4854.647+/-0.502 χ^2/NDF: 413592.5/77

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.867+/-0.000 χ^2/NDF:44452451.6/21

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.517+/-0.000 χ^2/NDF:306602131.0/20

Left: 147.698+/-0.000 χ^2/NDF: 356561077.3/42

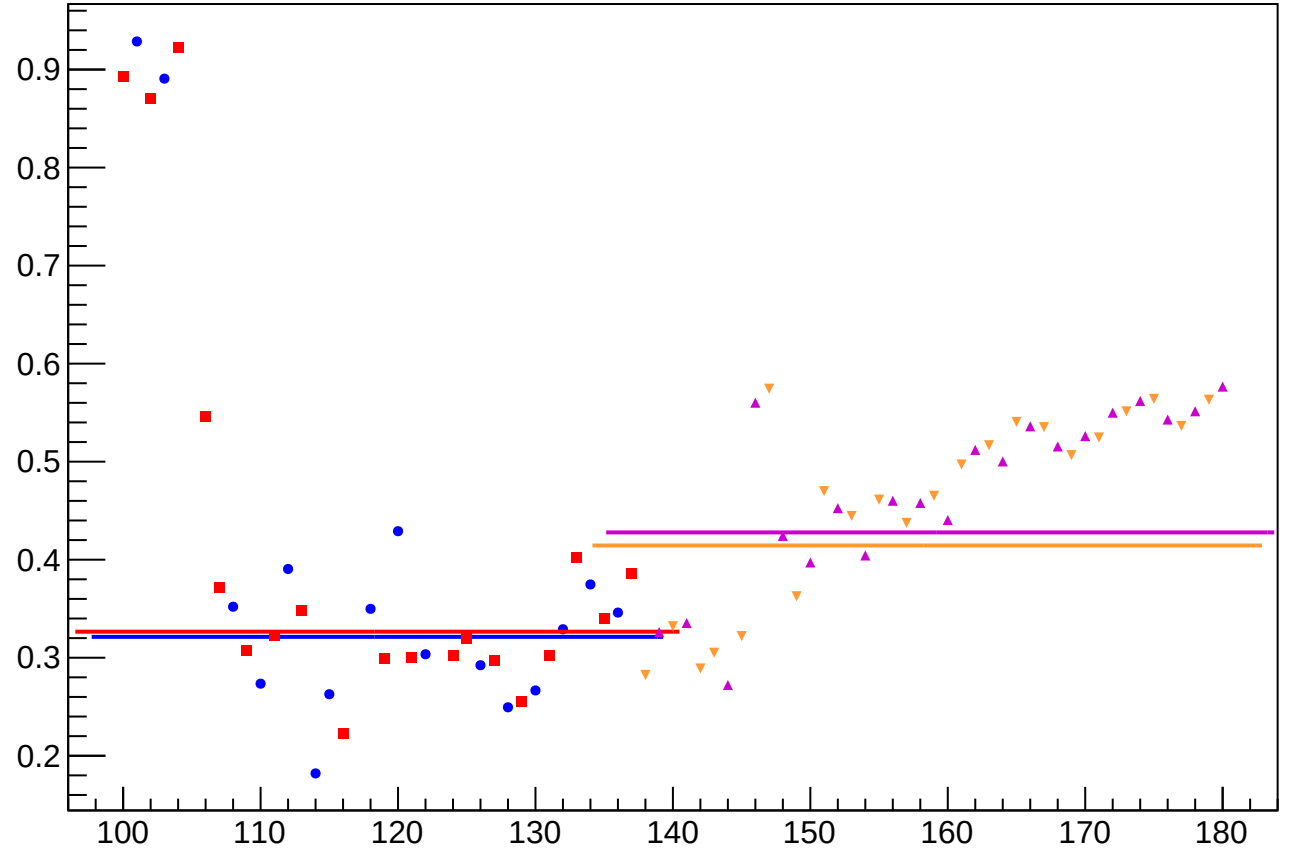
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.180+/-0.000 χ^2/NDF:4458726369.7/36

Out: 146.502+/-0.000 χ^2/NDF:4788070938.3/40

All: 146.344+/-0.000 χ^2/NDF: 9254421132.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.414+/-0.000 χ^2/NDF:1916312.6/21

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.428+/-0.000 χ^2/NDF:1636481.5/20

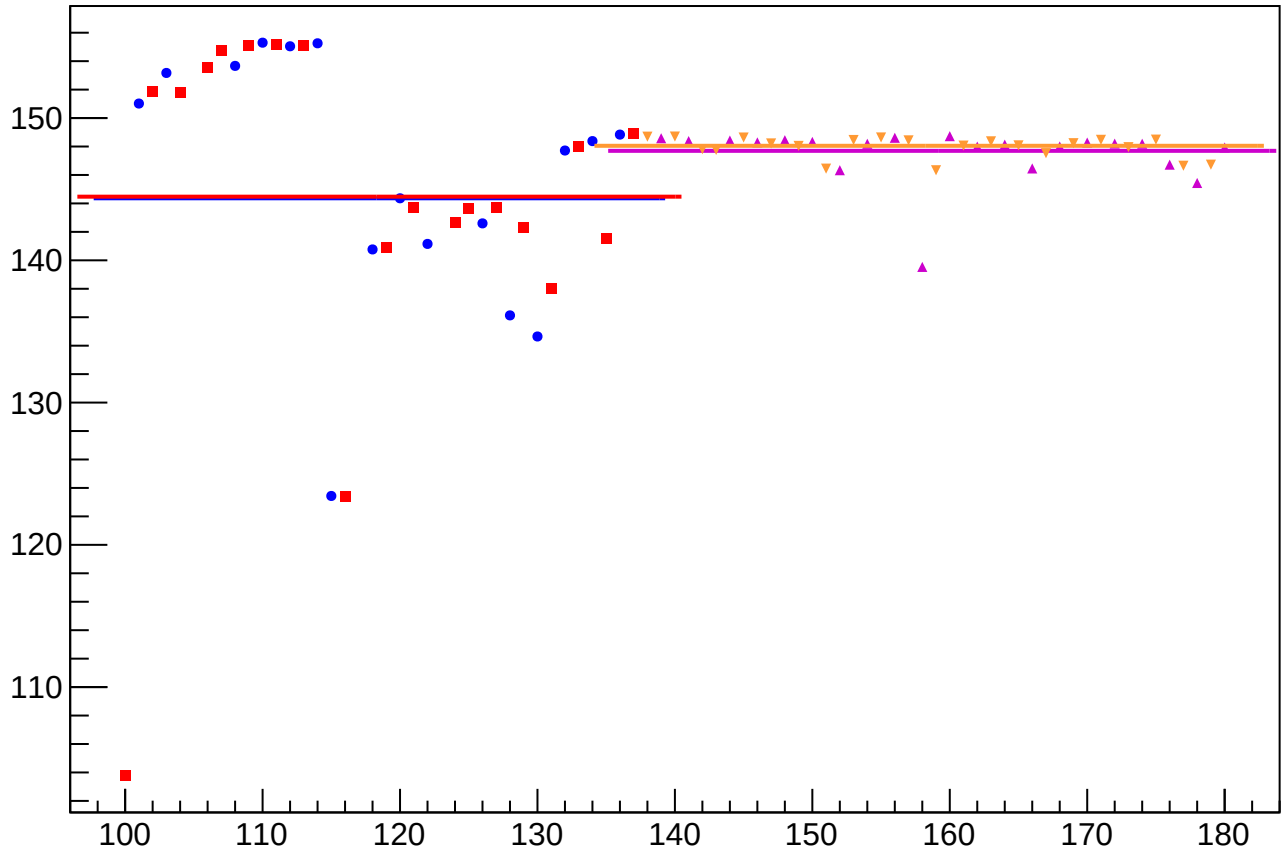
Left: 0.421+/-0.000 χ^2/NDF: 3568730.3/42

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.385+/-0.000 χ^2/NDF:3818374.8/36

Out: 0.381+/-0.000 χ^2/NDF:3765769.6/40

All: 0.383+/-0.000 χ^2/NDF: 7586852.6/77



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.051+/-0.000 χ^2/NDF:44872652.6/21

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.696+/-0.000 χ^2/NDF:311360168.1/20

Left: 147.880+/-0.000 χ^2/NDF: 361821216.5/42

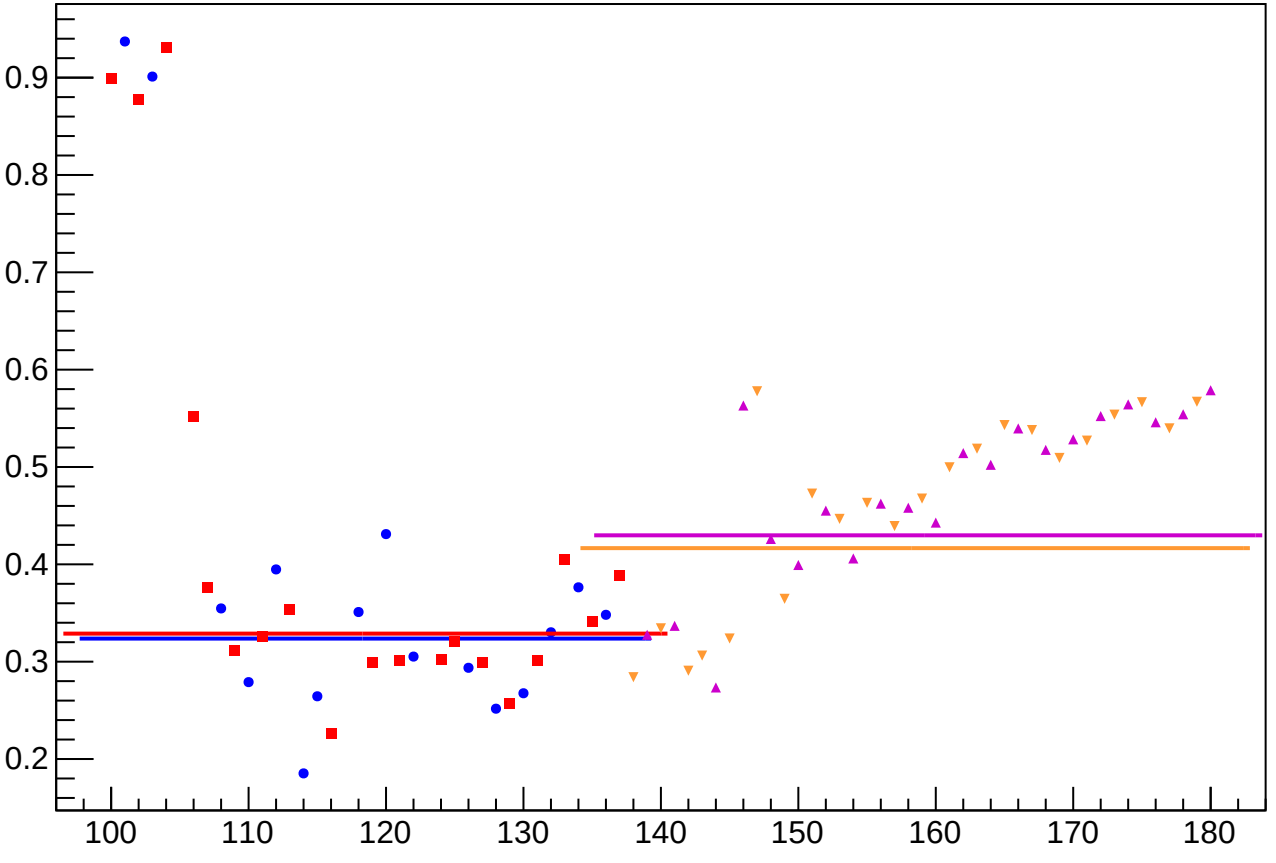
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.368+/-0.000 χ^2/NDF:4450318859.1/36

Out: 146.691+/-0.000 χ^2/NDF:4773585250.1/40

All: 146.532+/-0.000 χ^2/NDF: 9231476504.0

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.417+/-0.000 χ^2/NDF:1914371.6/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.430+/-0.000 χ^2/NDF:1635201.6/20

Left: 0.423+/-0.000 χ^2/NDF: 3564946.7/42

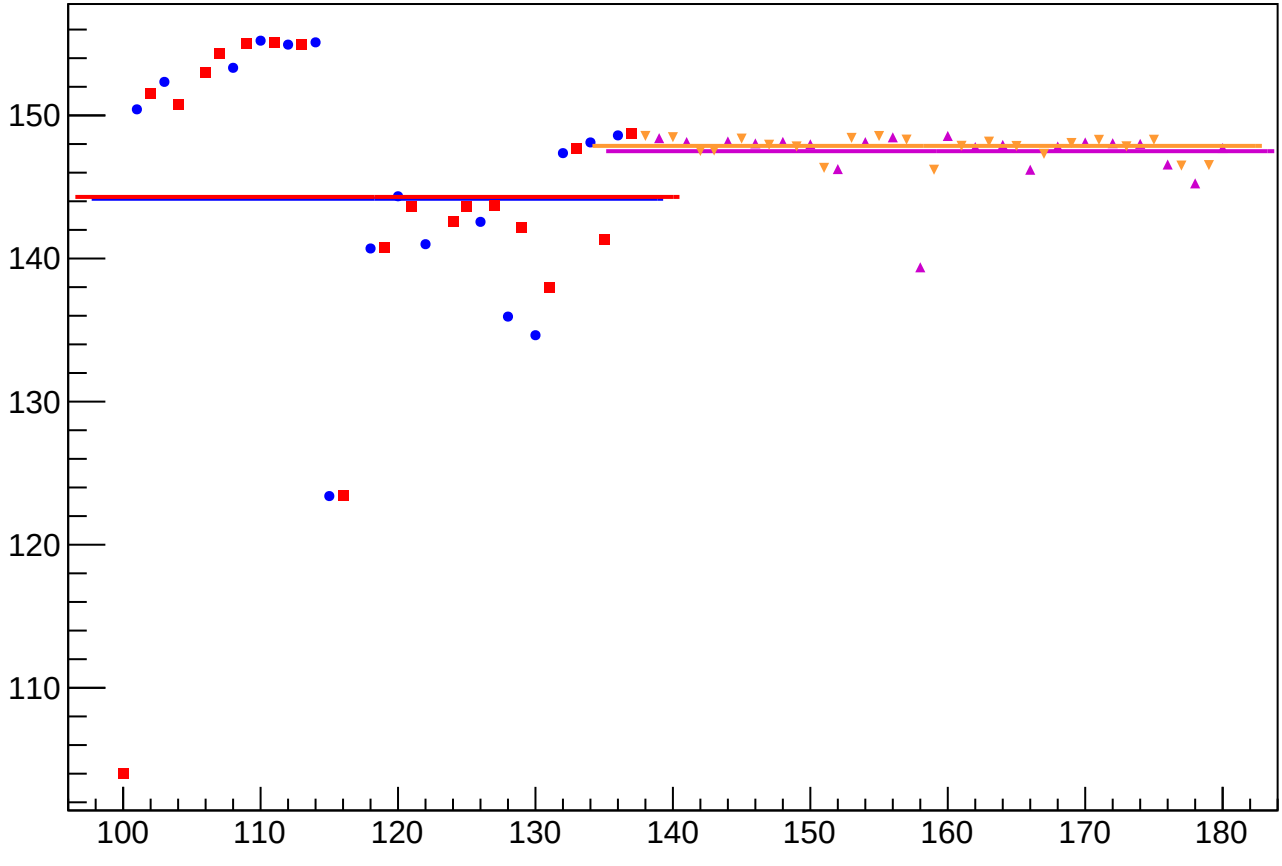
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.388+/-0.000 χ^2/NDF:3797121.8/36

Out: 0.383+/-0.000 χ^2/NDF:3756299.5/40

All: 0.385+/-0.000 χ^2/NDF: 7556133.2/77

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.500+/-0.000 χ^2/NDF:306158788.7/20

Left: 147.692+/-0.000 χ^2/NDF: 357079691.7/42

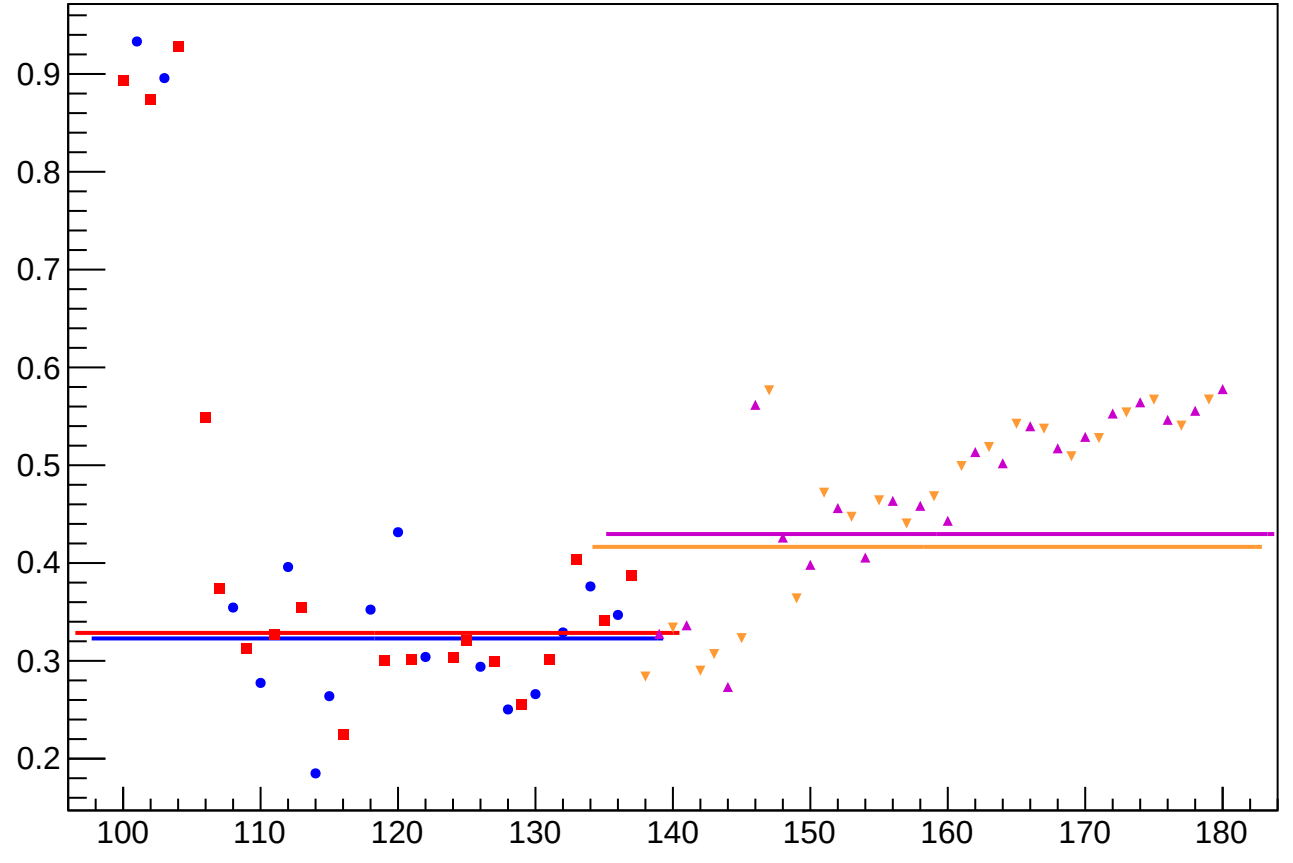
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.174+/-0.000 χ^2/NDF:4409844168.2/36

Out: 146.513+/-0.000 χ^2/NDF:4754174836.7/40

All: 146.347+/-0.000 χ^2/NDF: 9172425595.9

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.430+/-0.000 χ^2/NDF:1641692.8/20

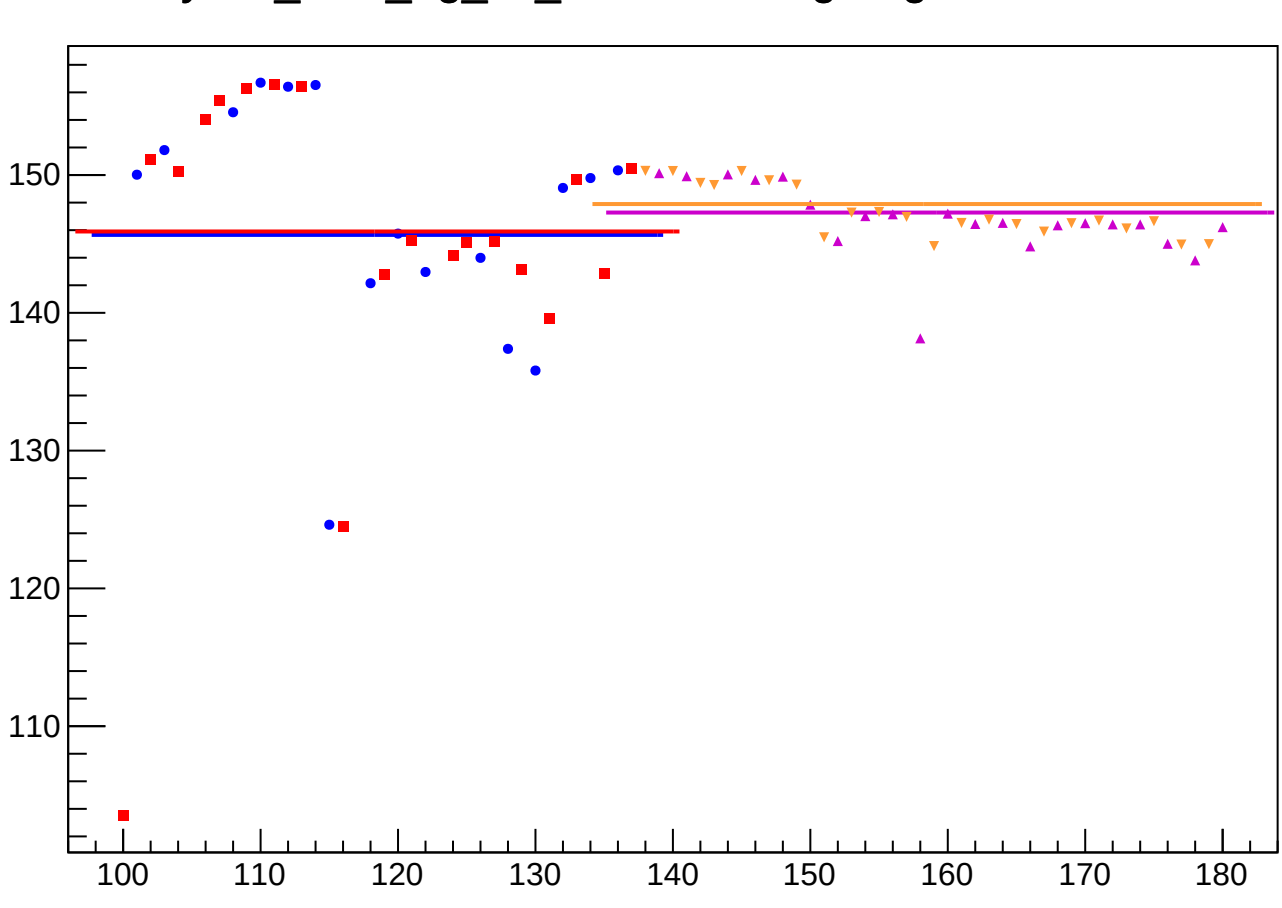
Left: 0.423+/-0.000 χ^2/NDF: 3576159.8/42

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.387+/-0.000 χ^2/NDF:3819348.4/36

Out: 0.383+/-0.000 χ^2/NDF:3764602.1/40

All: 0.385+/-0.000 χ^2/NDF: 7586263.7/77



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.895+/-0.000 χ^2/NDF:314302050.8/21

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.278+/-0.000 χ^2/NDF:615667595.1/20

Left: 147.595+/-0.000 χ^2/NDF: 945961563.0/42

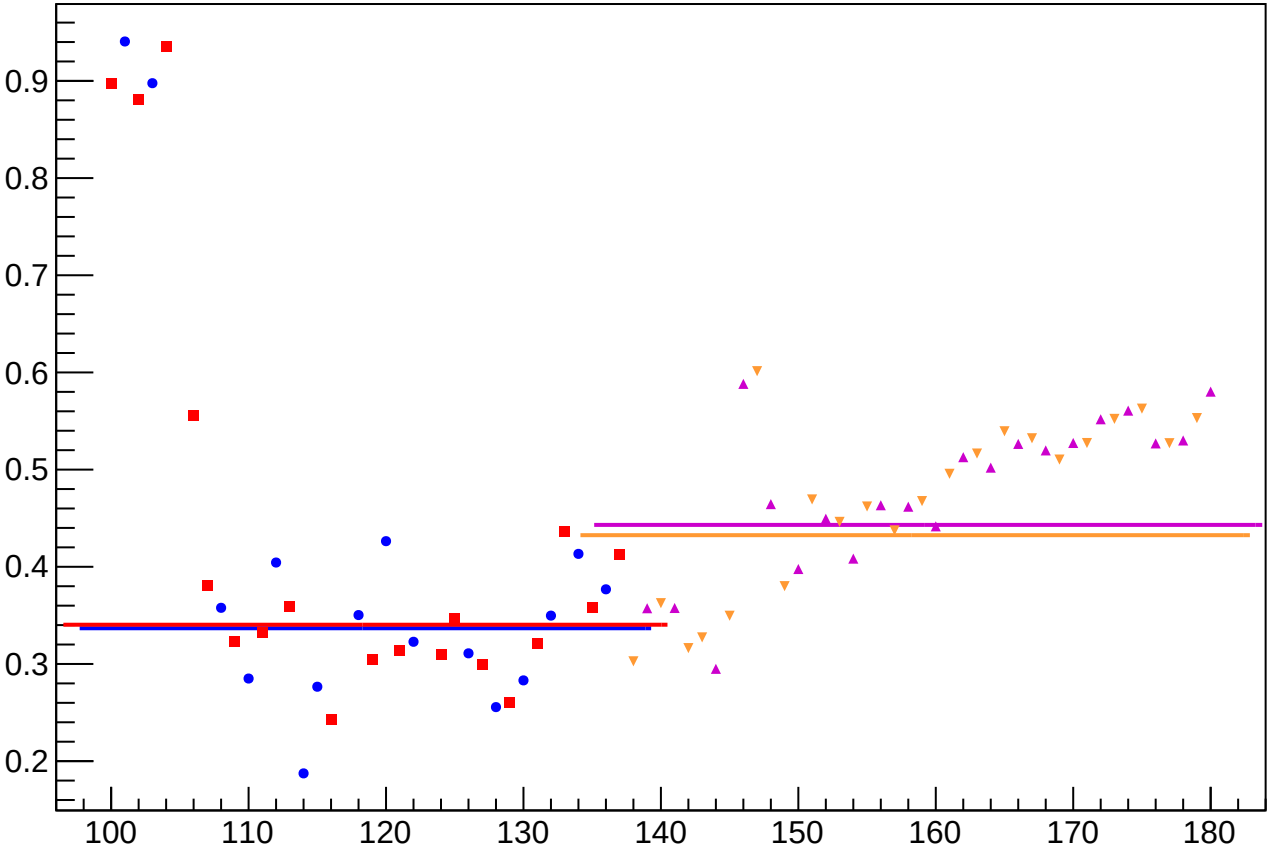
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.645+/-0.000 χ^2/NDF:4181174624.6/36

Out: 147.142+/-0.000 χ^2/NDF:4306824116.7/40

All: 146.897+/-0.000 χ^2/NDF: 8504853375.8

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.433+/-0.000 χ^2/NDF:1415310.9/21

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.443+/-0.000 χ^2/NDF:1234368.3/20

Left: 0.438+/-0.000 χ^2/NDF: 2659075.7/42

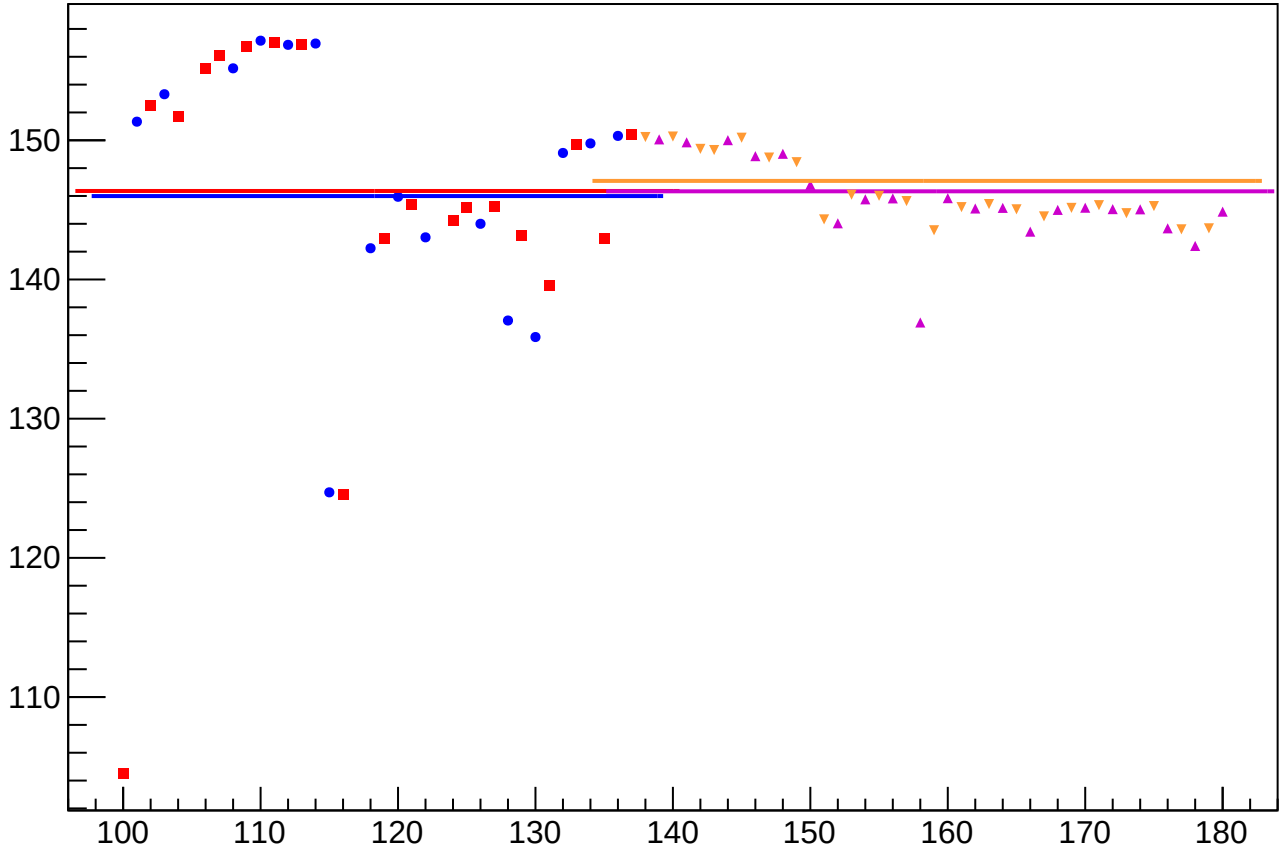
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.402+/-0.000 χ^2/NDF:3327881.2/36

Out: 0.398+/-0.000 χ^2/NDF:3244909.0/40

All: 0.400+/-0.000 χ^2/NDF: 6574872.8/77

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.082+/-0.000 χ^2/NDF:518826626.7/21

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.334+/-0.000 χ^2/NDF:818531892.1/20

Left: 146.719+/-0.000 χ^2/NDF: 1360776864.3/42

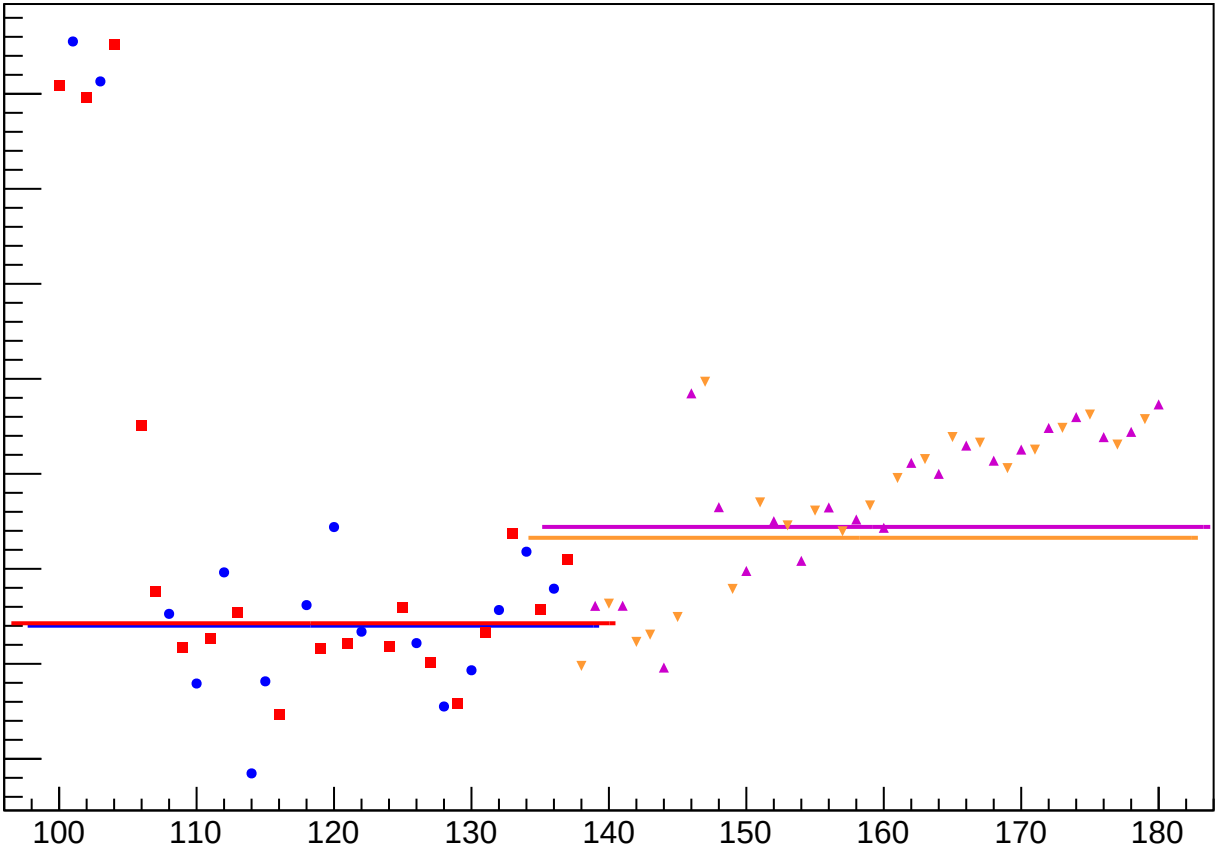
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.202+/-0.000 χ^2/NDF:4443838201.4/36

Out: 146.811+/-0.000 χ^2/NDF:4498890996.7/40

All: 146.513+/-0.000 χ^2/NDF: 8967748574.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.433+/-0.000 χ^2/NDF:1405892.0/21

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.444+/-0.000 χ^2/NDF:1198921.2/20

Left: 0.438+/-0.000 χ^2/NDF: 2615803.1/42

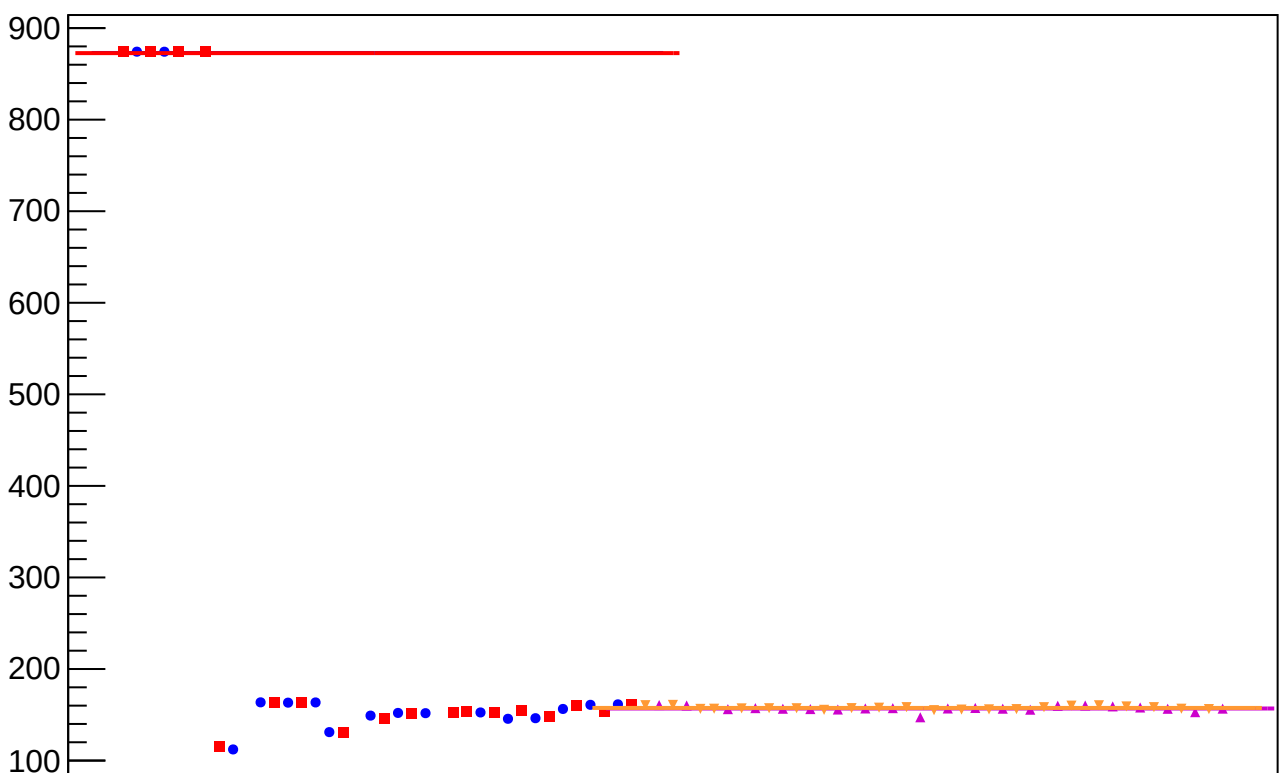
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.404+/-0.000 χ^2/NDF:3272066.2/36

Out: 0.399+/-0.000 χ^2/NDF:3199860.7/40

All: 0.401+/-0.000 χ^2/NDF: 6475373.6/77

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.487+/-0.000 χ^2/NDF:95620728.2/21

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.873+/-0.000 χ^2/NDF:227244360.7/20

Left: 157.180+/-0.000 χ^2/NDF: 328687514.4/42

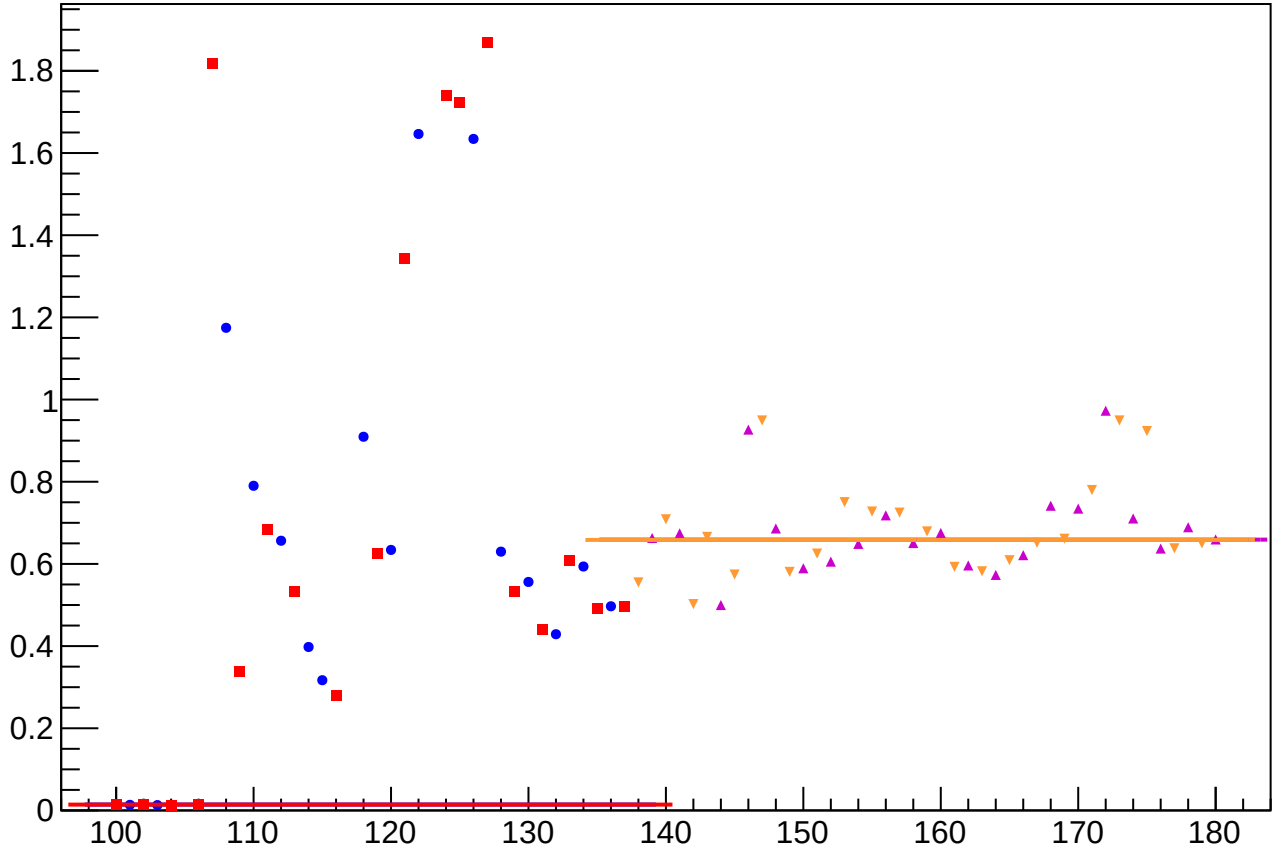
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.734+/-0.000 χ^2/NDF:22942133709822.6/3

Out: 869.996+/-0.000 χ^2/NDF:24899213750966.6

All: 869.874+/-0.000 χ^2/NDF: 47841610406

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.658+/-0.000 χ^2/NDF:607042.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.659+/-0.000 χ^2/NDF:464584.3/20

Left: 0.659+/-0.000 χ^2/NDF: 1071640.9/42

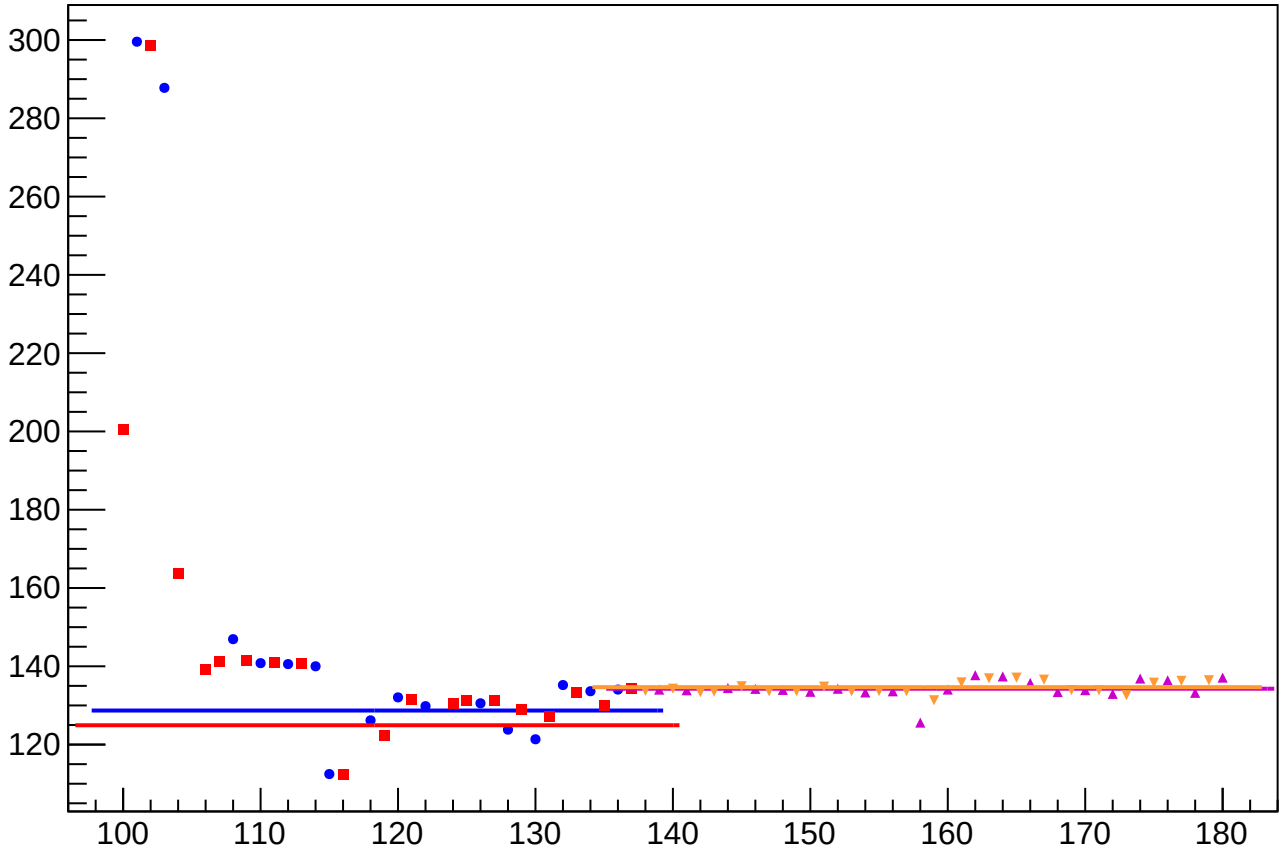
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:35632439.2/36

Out: 0.017+/-0.000 χ^2/NDF:35544687.3/40

All: 0.017+/-0.000 χ^2/NDF: 71179102.8/77

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.668+/-0.000 χ^2/NDF:148739705.3/21

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.270+/-0.000 χ^2/NDF:440160493.0/20

Left: 134.476+/-0.000 χ^2/NDF: 593747882.5/42

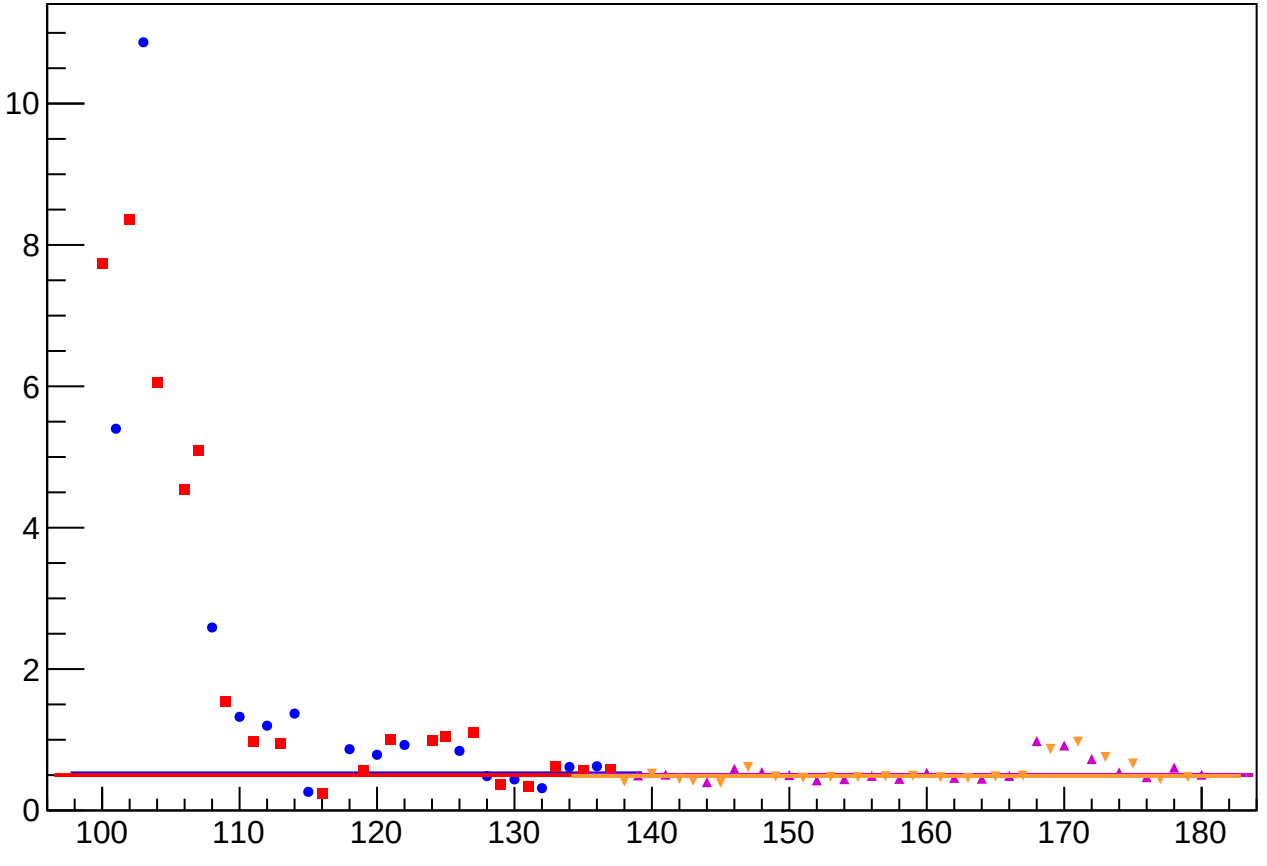
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.246+/-0.000 χ^2/NDF:2434726420.6/36

Out: 132.905+/-0.000 χ^2/NDF:2634925962.5/40

All: 133.070+/-0.000 χ^2/NDF: 5074021690.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.487+/-0.000 χ^2/NDF:1166430.8/21

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.502+/-0.000 χ^2/NDF:1136035.0/20

Left: 0.495+/-0.000 χ^2/NDF: 2315874.3/42

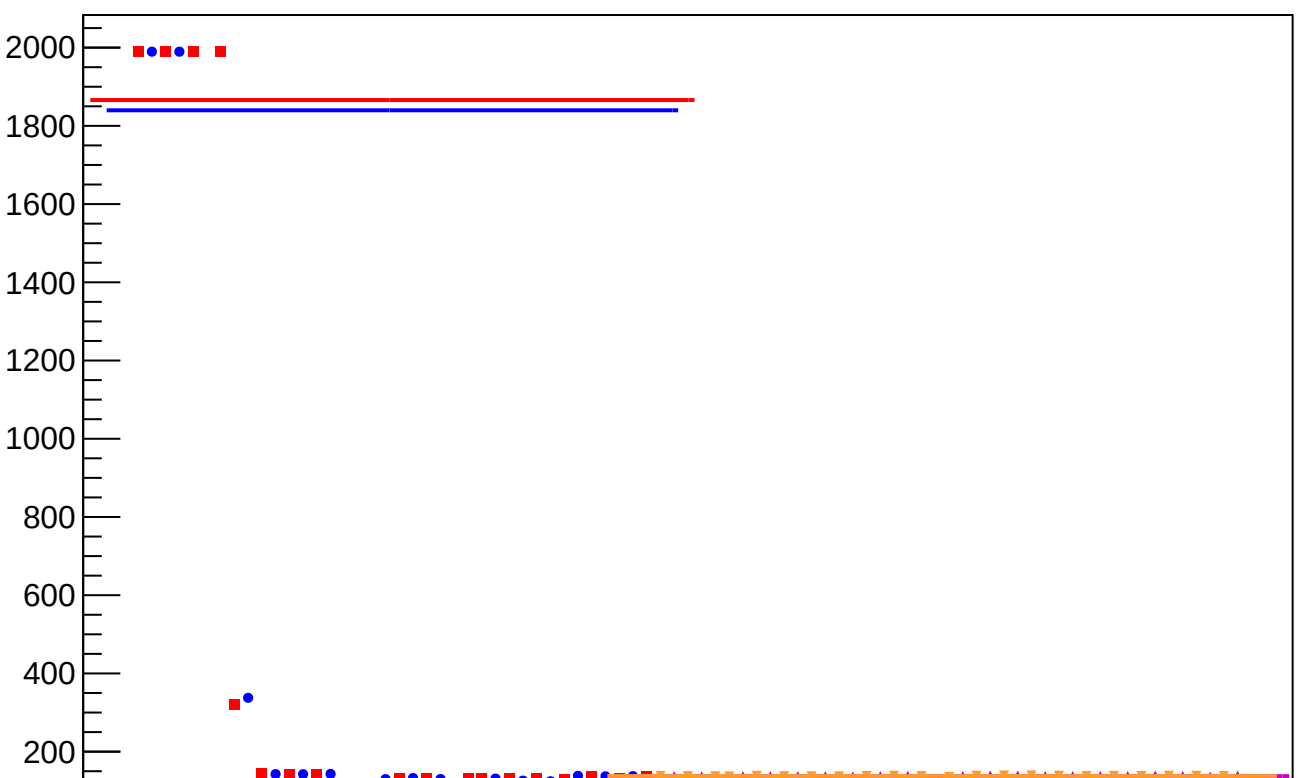
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:5284885.0/36

Out: 0.490+/-0.000 χ^2/NDF:6054541.3/40

All: 0.498+/-0.000 χ^2/NDF: 11359671.4/77

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.558+/-0.000 χ^2/NDF:62966106.8/21

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.342+/-0.000 χ^2/NDF:248642275.8/20

Left: 137.454+/-0.000 χ^2/NDF: 313573622.2/42

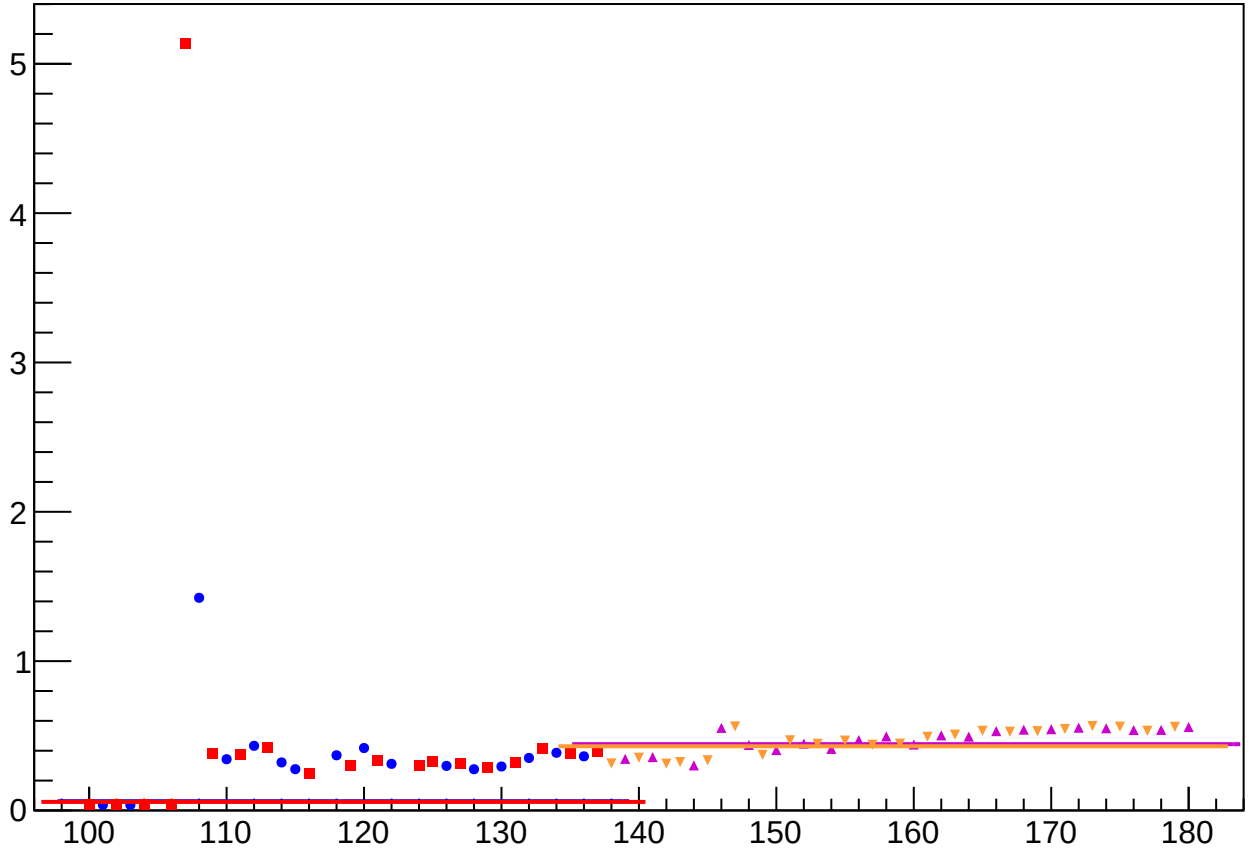
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1626.089+/-0.000 χ^2/NDF:353400982702372.

Out: 1664.645+/-0.000 χ^2/NDF:37449210870884

All: 1646.759+/-0.000 χ^2/NDF: 7284128584

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.430+/-0.000 χ^2/NDF:1452596.3/21

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.444+/-0.000 χ^2/NDF:1202240.7/20

Left: 0.437+/-0.000 χ^2/NDF: 2671515.4/42

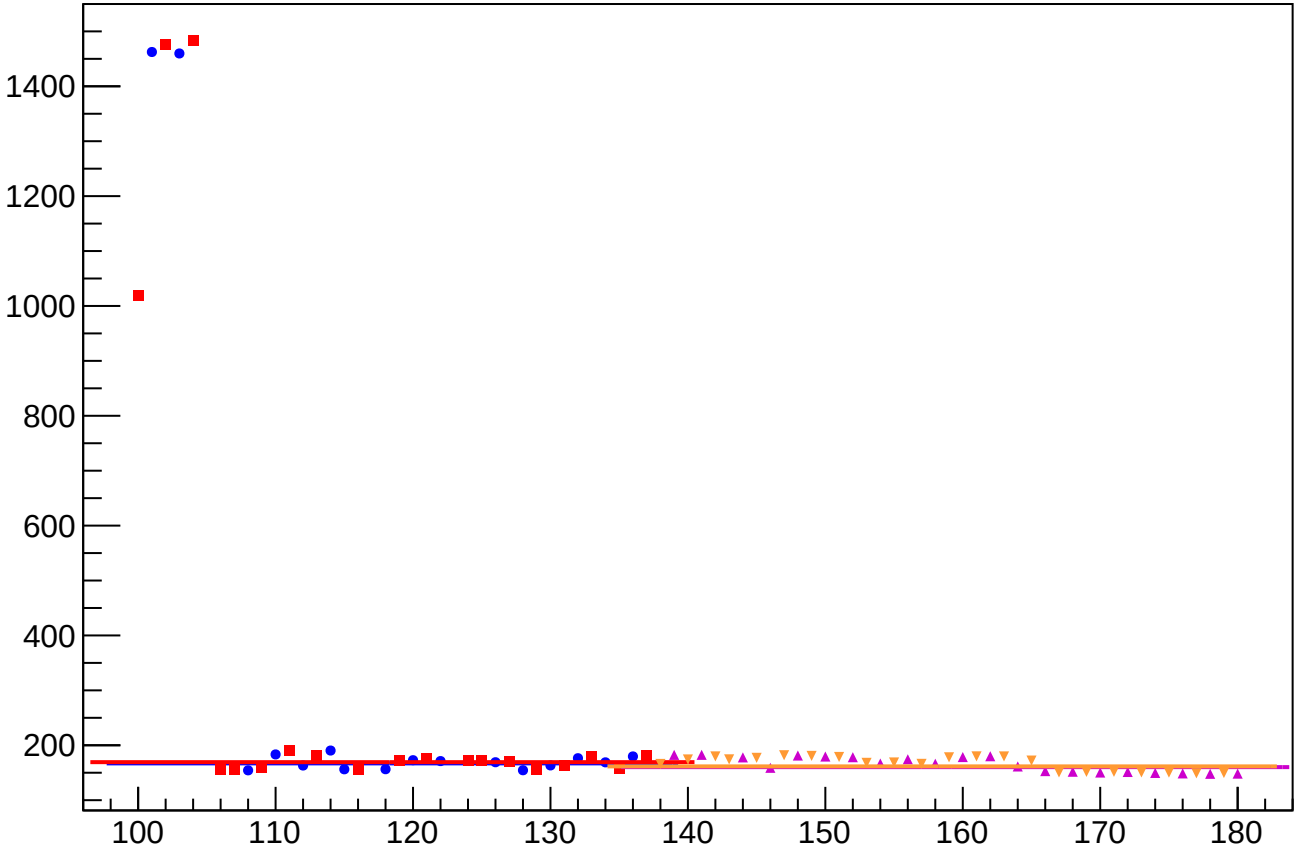
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.110+/-0.000 χ^2/NDF:30280327.3/36

Out: 0.101+/-0.000 χ^2/NDF:30727234.0/40

All: 0.105+/-0.000 χ^2/NDF: 61064863.4/77

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.547+/-0.000 χ^2/NDF:3466290501.4/21

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 160.199+/-0.000 χ^2/NDF:3711042195.0/20

Left: 160.872+/-0.000 χ^2/NDF: 7197768089.8/42

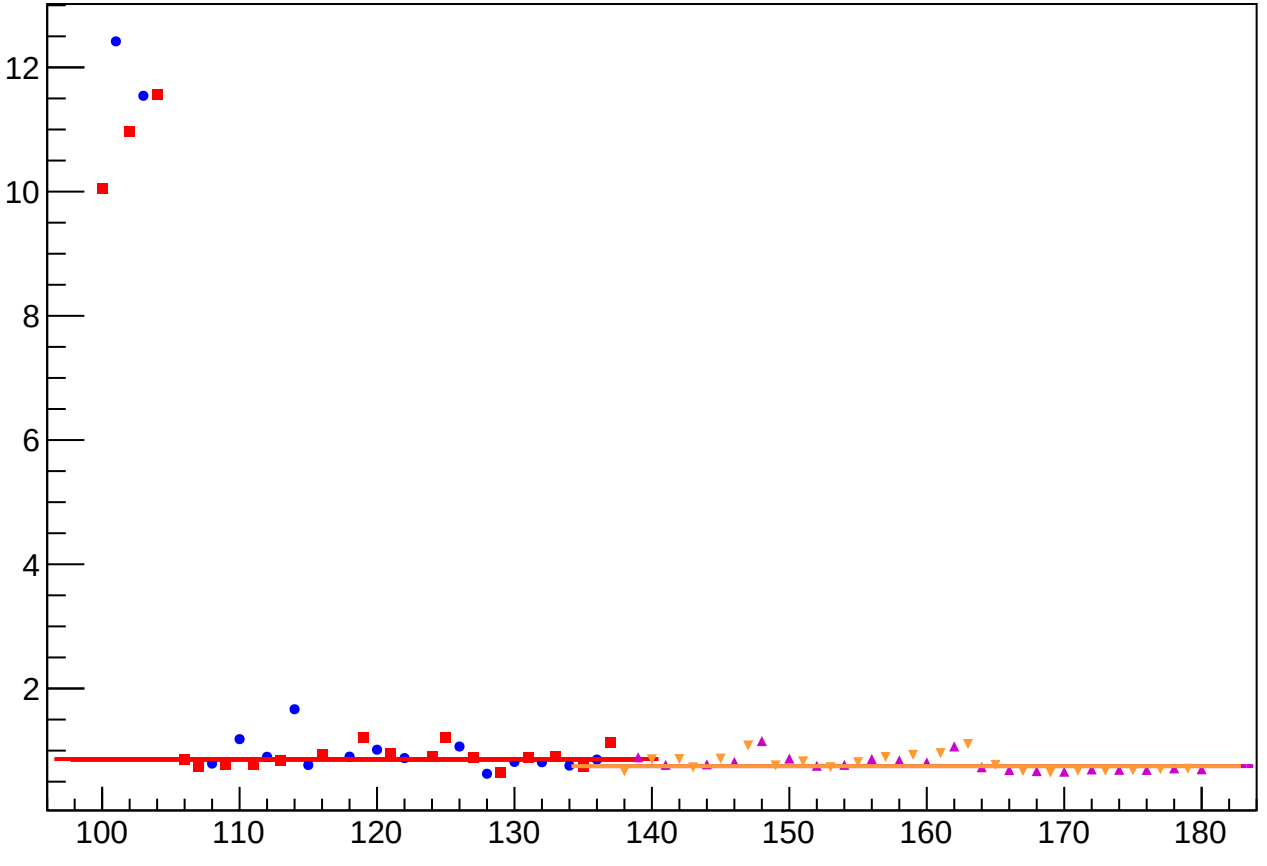
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 161.497+/-0.000 χ^2/NDF:18525299098.0/36

Out: 163.051+/-0.000 χ^2/NDF:20044569053.8/40

All: 162.276+/-0.000 χ^2/NDF: 38603514250.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.750+/-0.000 χ^2/NDF:539105.4/21

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.751+/-0.000 χ^2/NDF:436188.9/20

Left: 0.750+/-0.000 χ^2/NDF: 975310.3/42

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.770+/-0.000 χ^2/NDF:2828167.1/36

Out: 0.772+/-0.000 χ^2/NDF:2863220.5/40

All: 0.771+/-0.000 χ^2/NDF: 5691500.1/77

Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

Left: 167023.706+/-0.034 χ^2/NDF: 112902507920.

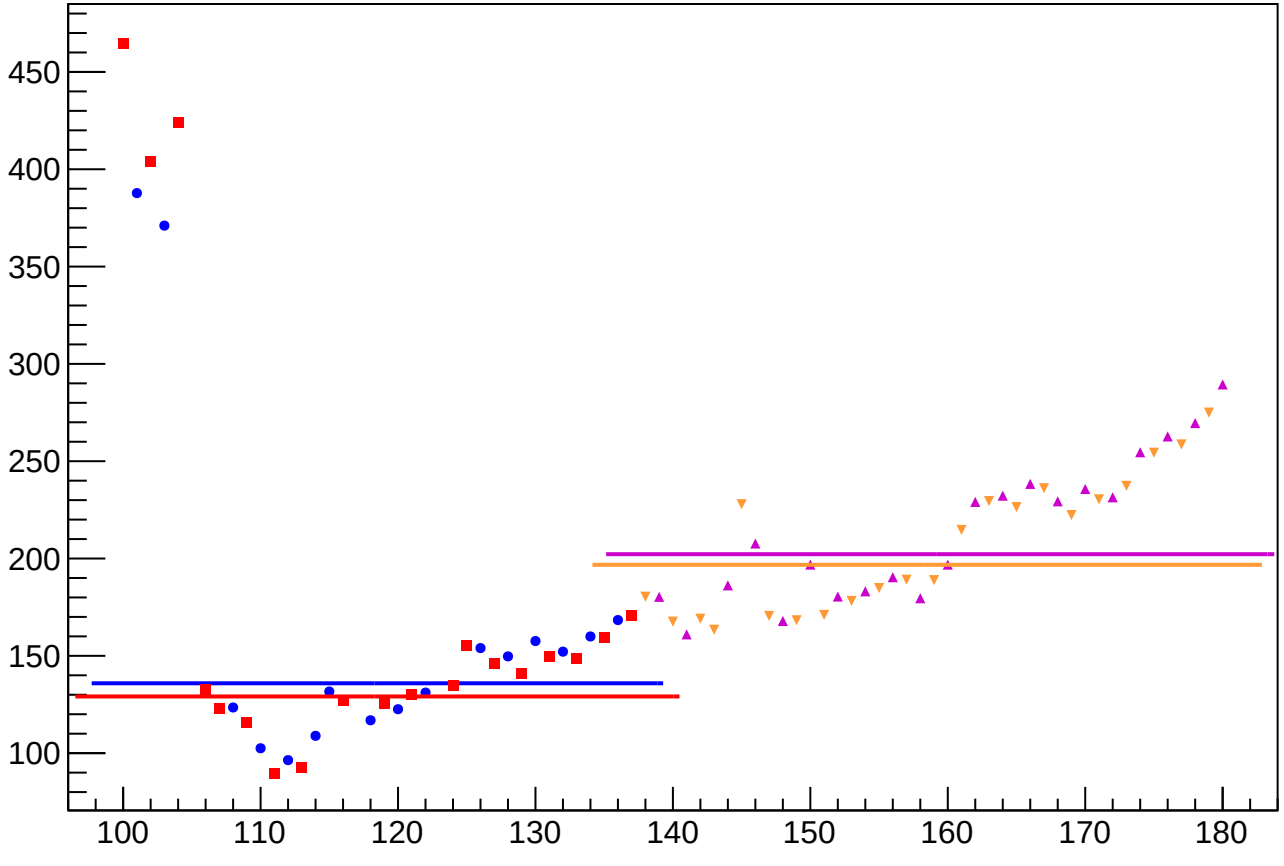
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159592.646+/-0.037 χ^2/NDF:104560715415.9

Out: 159298.267+/-0.035 χ^2/NDF:113900490574.

All: 159438.094+/-0.025 χ^2/NDF: 21849496

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

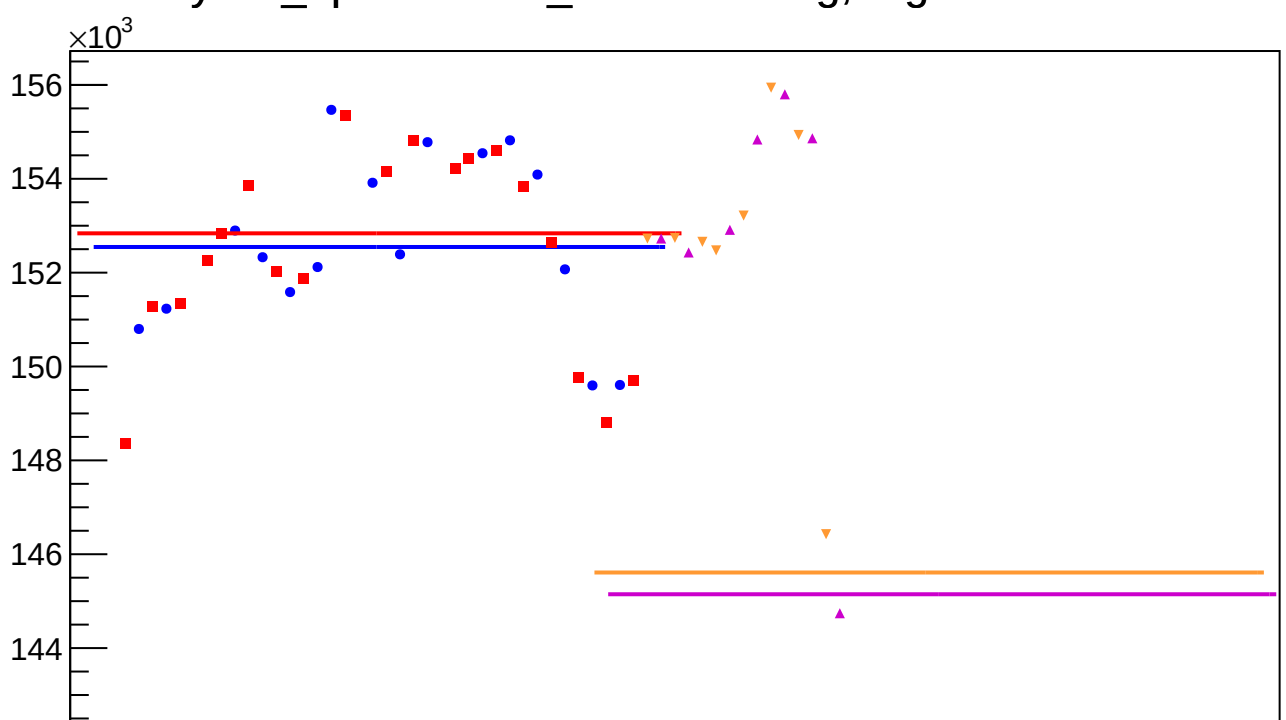
Left: 199.402+/-0.024 χ^2/NDF: 1729367.7/42

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 172.256+/-0.026 χ^2/NDF:3893904.3/36

Out: 165.039+/-0.025 χ^2/NDF:4339733.1/40

All: 168.467+/-0.018 χ^2/NDF: 8274217.9/77



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

Left: 145383.813+/-0.036 χ^2/NDF: 25866880477.6

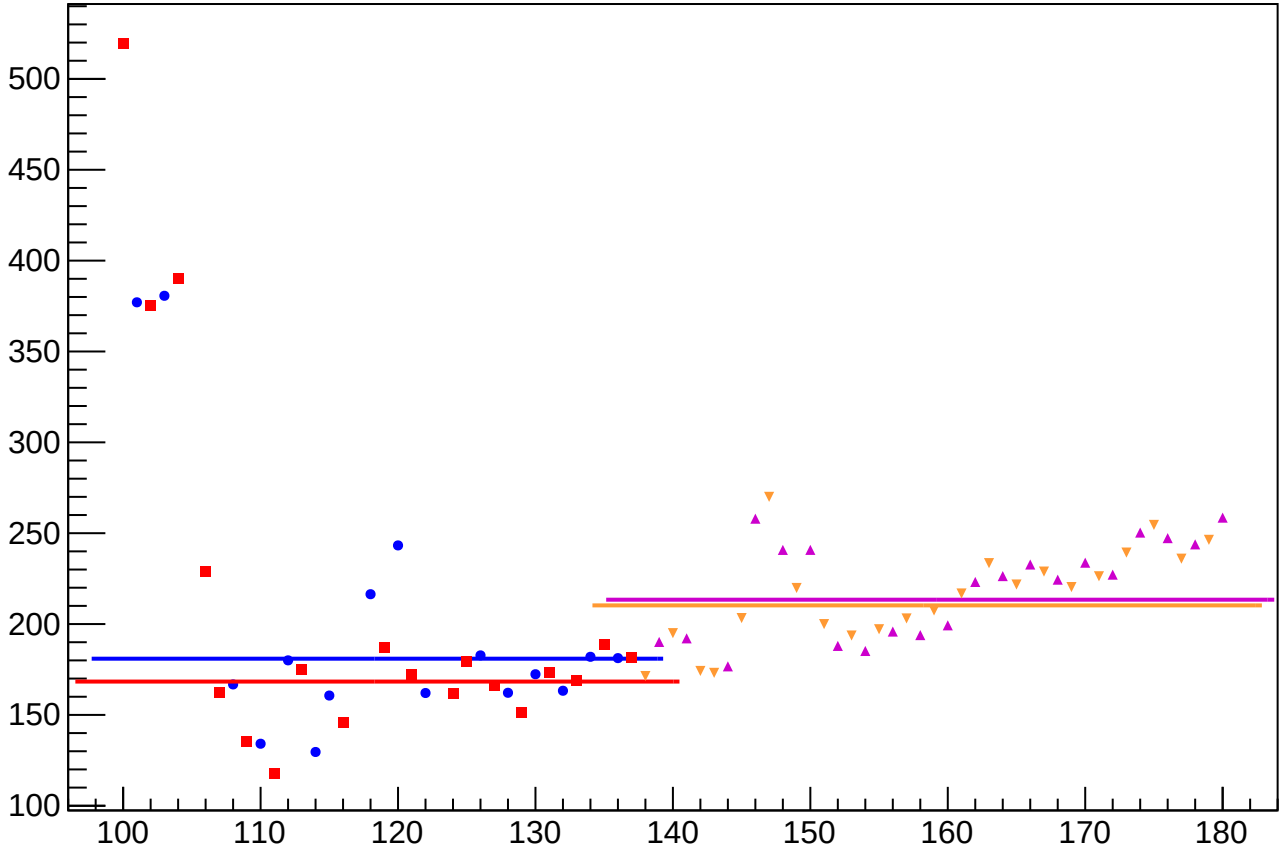
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147664.645+/-0.042 χ^2/NDF:20324598817.6/3

Out: 148282.088+/-0.041 χ^2/NDF:21154636516.6/

All: 147986.978+/-0.029 χ^2/NDF: 41590173

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

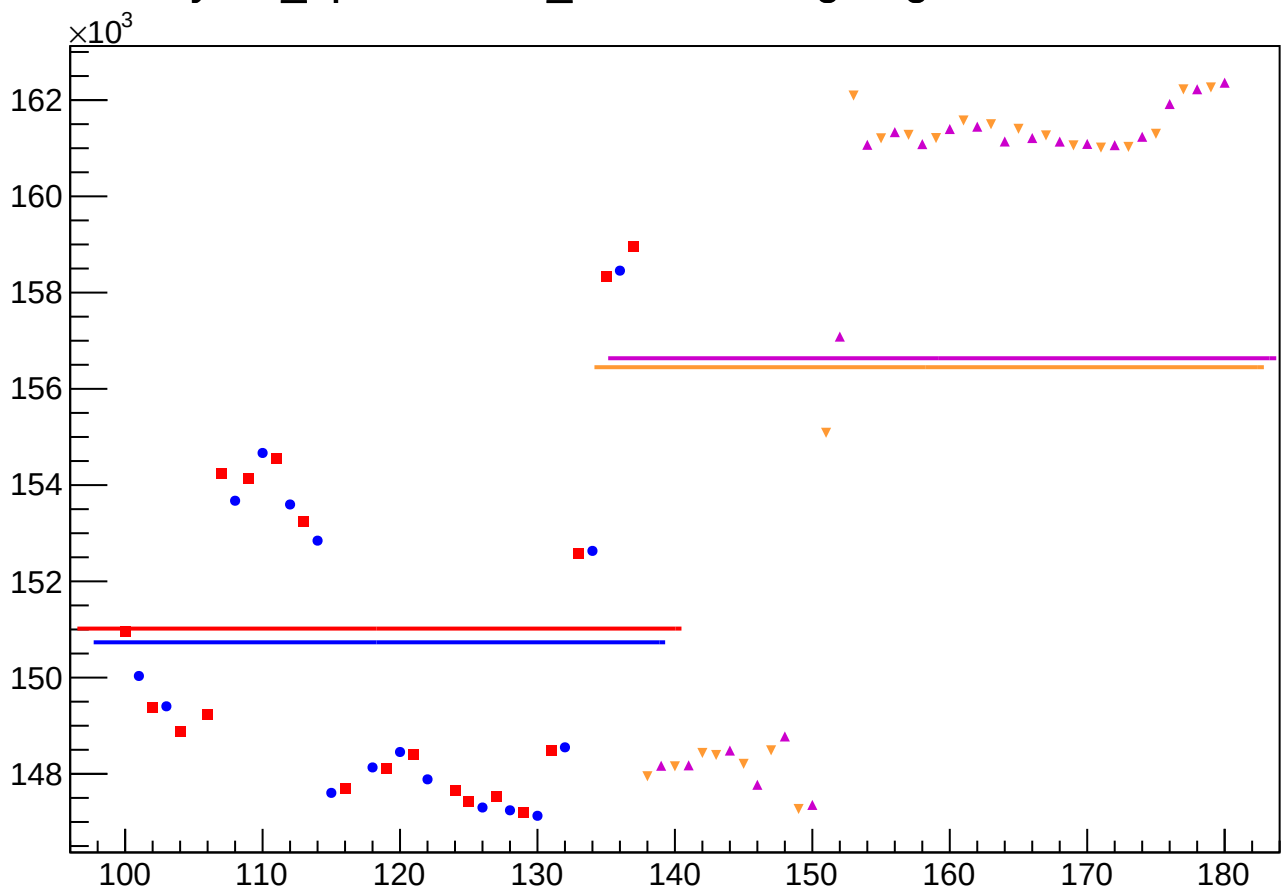
Left: 211.807+/-0.026 χ^2/NDF: 988911.1/42

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 202.360+/-0.030 χ^2/NDF:1678430.6/36

Out: 194.777+/-0.029 χ^2/NDF:2066129.6/40

All: 198.401+/-0.021 χ^2/NDF: 3778027.7/77



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156449.685+/-0.050 χ^2/NDF:15659925180.9/21

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156635.939+/-0.052 χ^2/NDF:14018522644.9/20

Left: 156539.529+/-0.036 χ^2/NDF: 29685156283.6

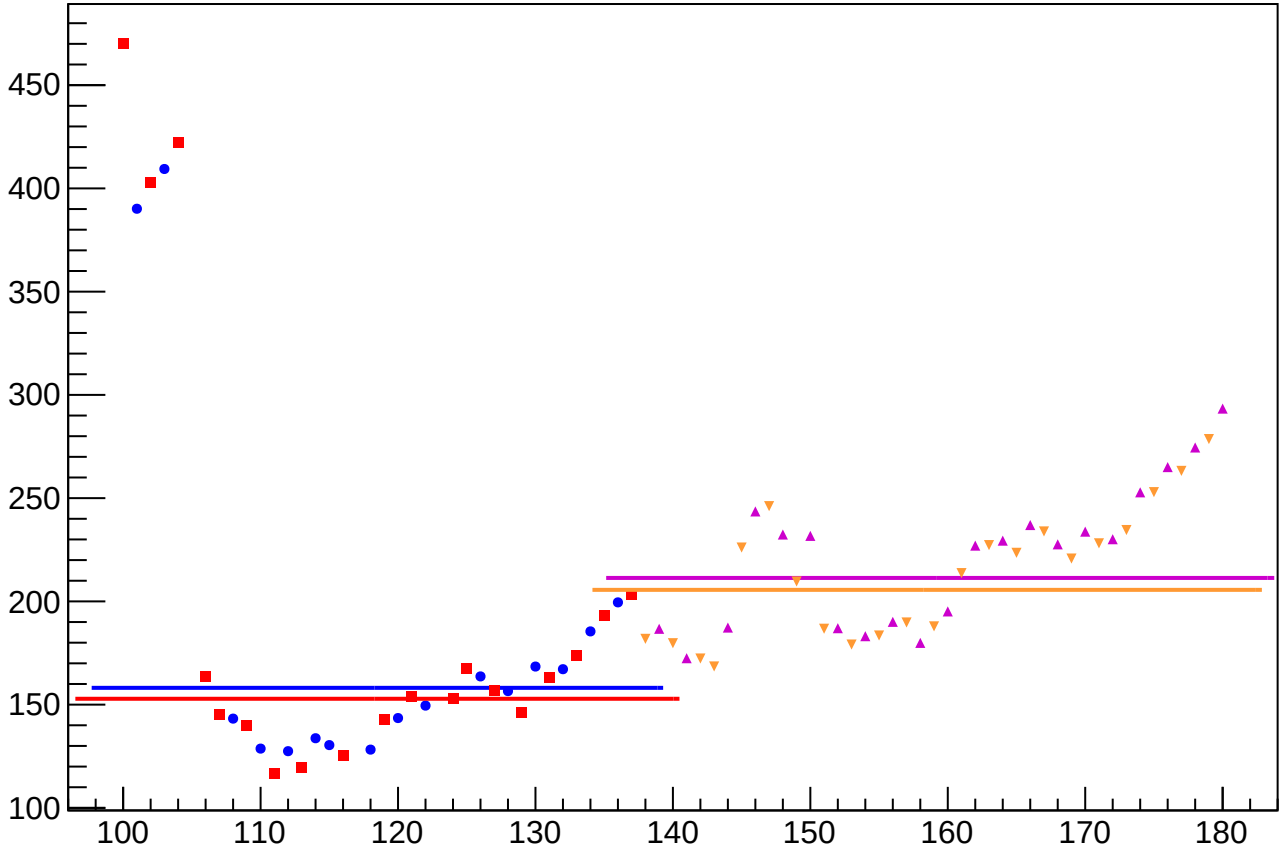
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154253.934+/-0.040 χ^2/NDF:22555085342.2/3

Out: 154229.139+/-0.038 χ^2/NDF:23780849323.1

All: 154241.044+/-0.028 χ^2/NDF: 46336134

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 205.587+/-0.035 χ^2/NDF:671887.1/21

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 211.360+/-0.037 χ^2/NDF:748771.3/20

Left: 208.372+/-0.025 χ^2/NDF: 1433551.5/42

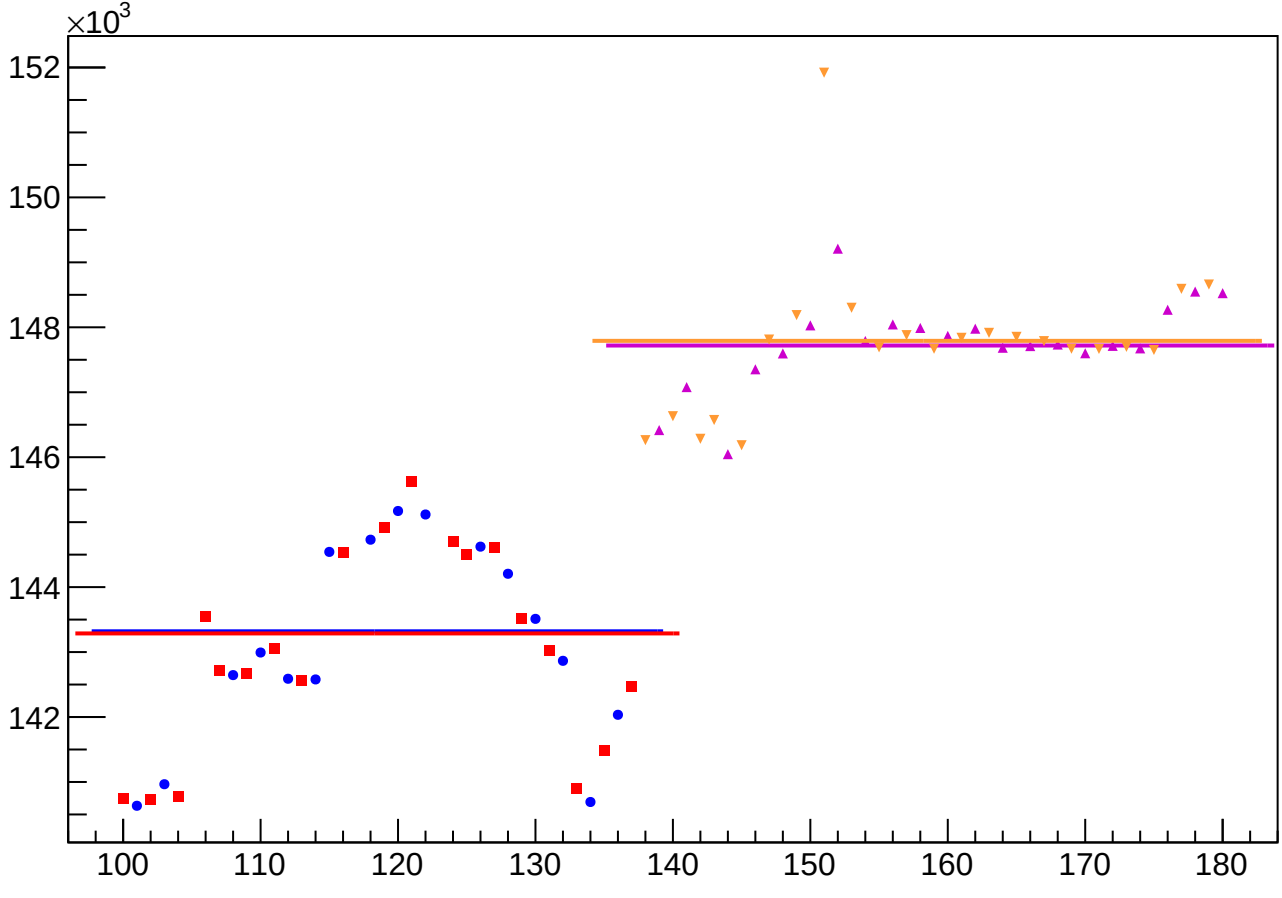
Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 189.883+/-0.028 χ^2/NDF:2798584.8/36

Out: 184.022+/-0.027 χ^2/NDF:2848117.7/40

All: 186.836+/-0.020 χ^2/NDF: 5669072.0/77

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147791.360+/-0.046 χ^2/NDF:691114895.2/21

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147719.465+/-0.048 χ^2/NDF:222788386.3/20

Left: 147756.582+/-0.033 χ^2/NDF: 915063842.9/42

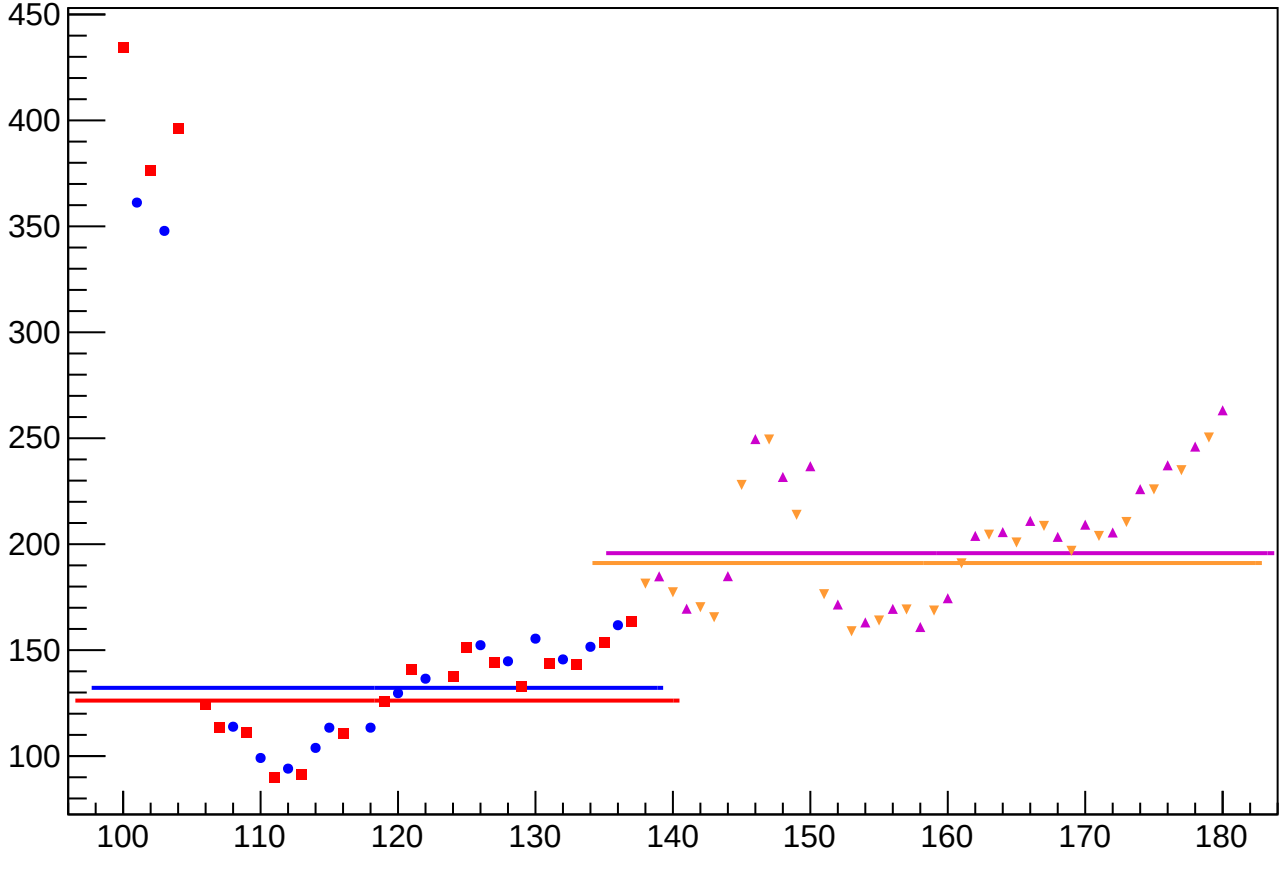
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145744.108+/-0.036 χ^2/NDF:4561835167.0/36

Out: 145693.178+/-0.034 χ^2/NDF:5698354406.4/4

All: 145717.420+/-0.025 χ^2/NDF: 10261262

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 191.109+/-0.033 χ^2/NDF:623000.0/21

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.763+/-0.034 χ^2/NDF:756386.2/20

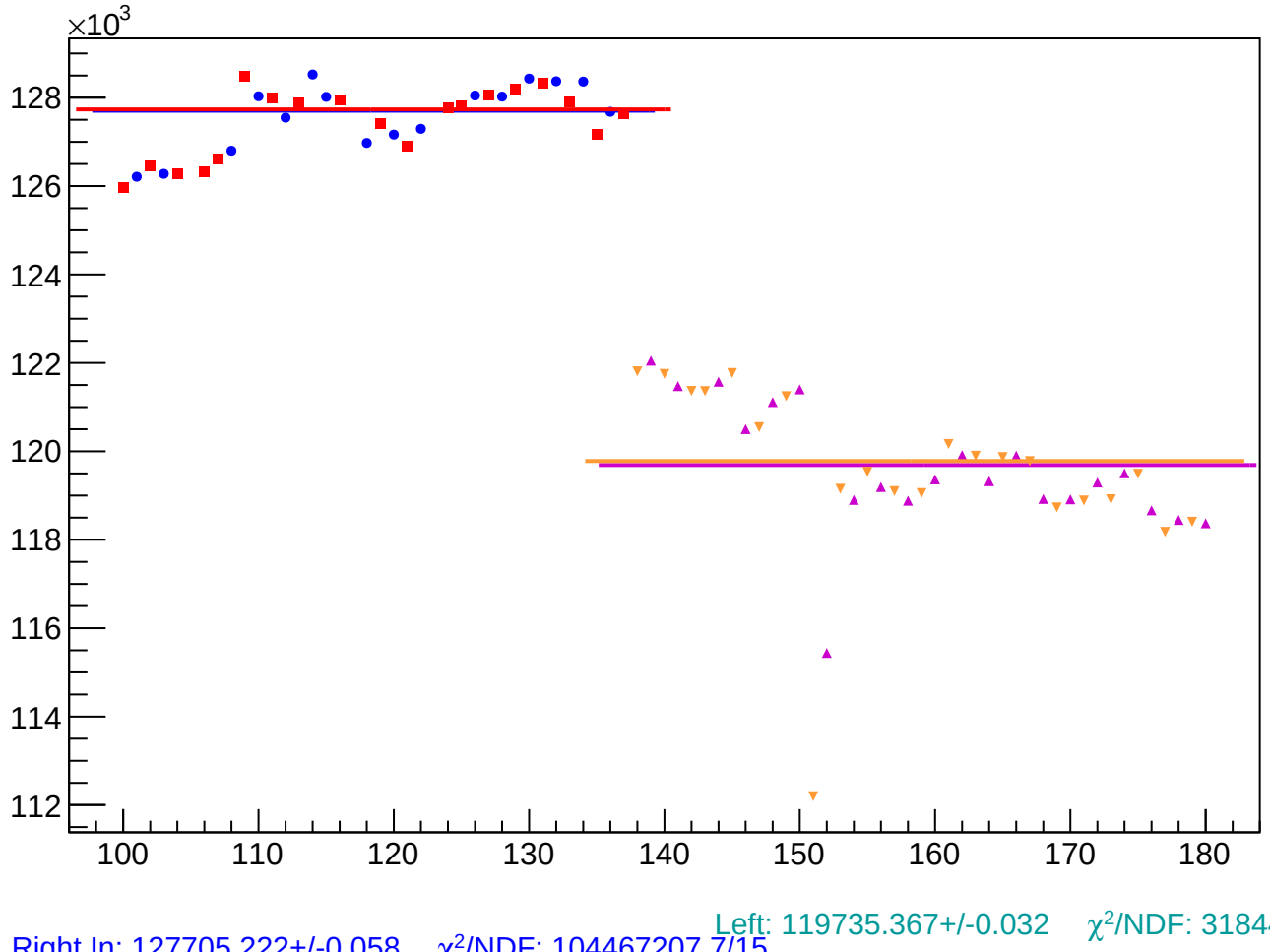
Left: 193.360+/-0.024 χ^2/NDF: 1389116.2/42

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 167.228+/-0.025 χ^2/NDF:3713098.6/36

Out: 160.870+/-0.024 χ^2/NDF:3990324.1/40

All: 163.896+/-0.017 χ^2/NDF: 7736860.4/77



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119780.858+/-0.046 χ^2/NDF:1914251148.0/21

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119690.004+/-0.046 χ^2/NDF:1268256221.9/20

Left: 119735.367+/-0.032 χ^2/NDF: 3184469571.5/4

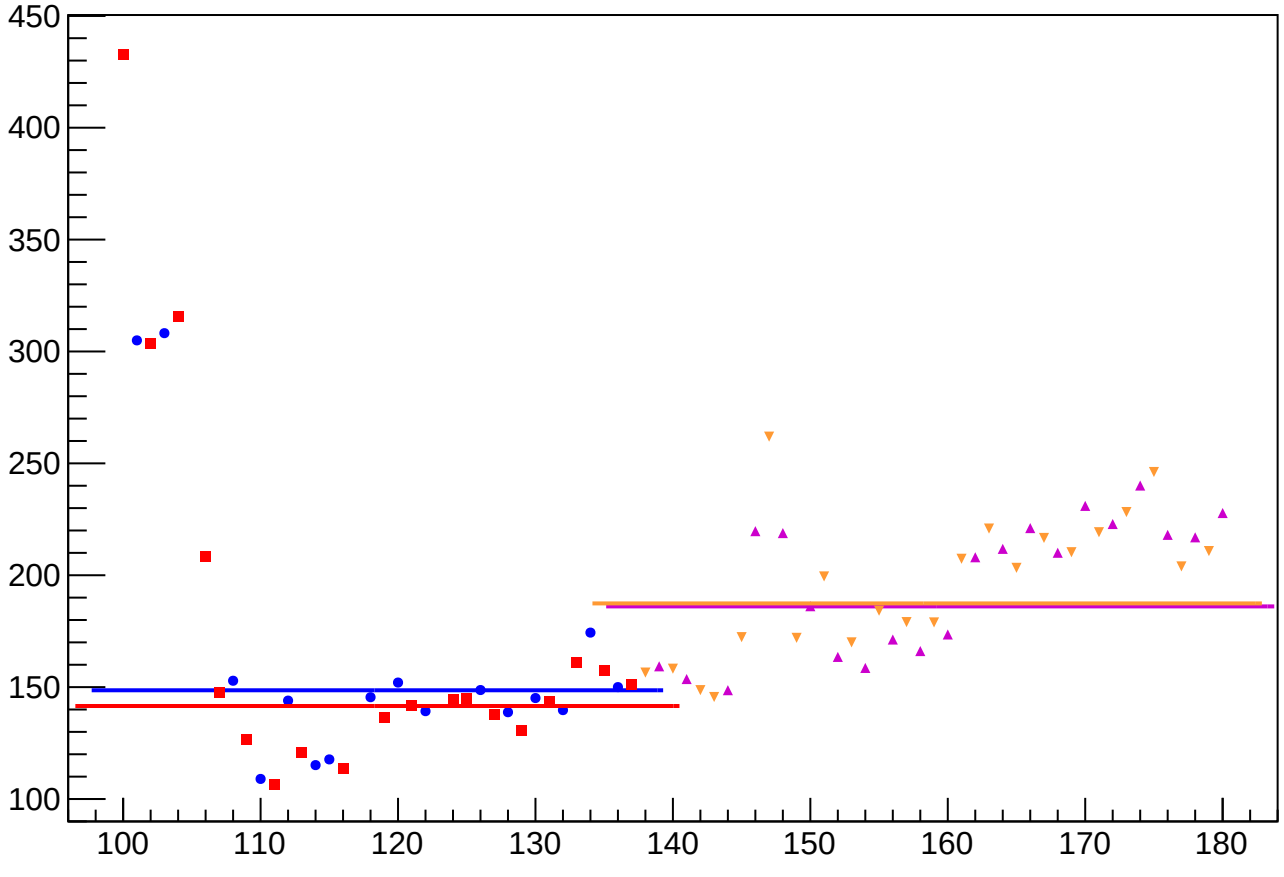
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 122743.833+/-0.036 χ^2/NDF:13026109553.2/3

Out: 123051.773+/-0.035 χ^2/NDF:14375160827.7

All: 122901.443+/-0.025 χ^2/NDF: 27438600

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 187.410+/-0.032 χ^2/NDF:802556.1/21

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 186.075+/-0.032 χ^2/NDF:837844.7/20

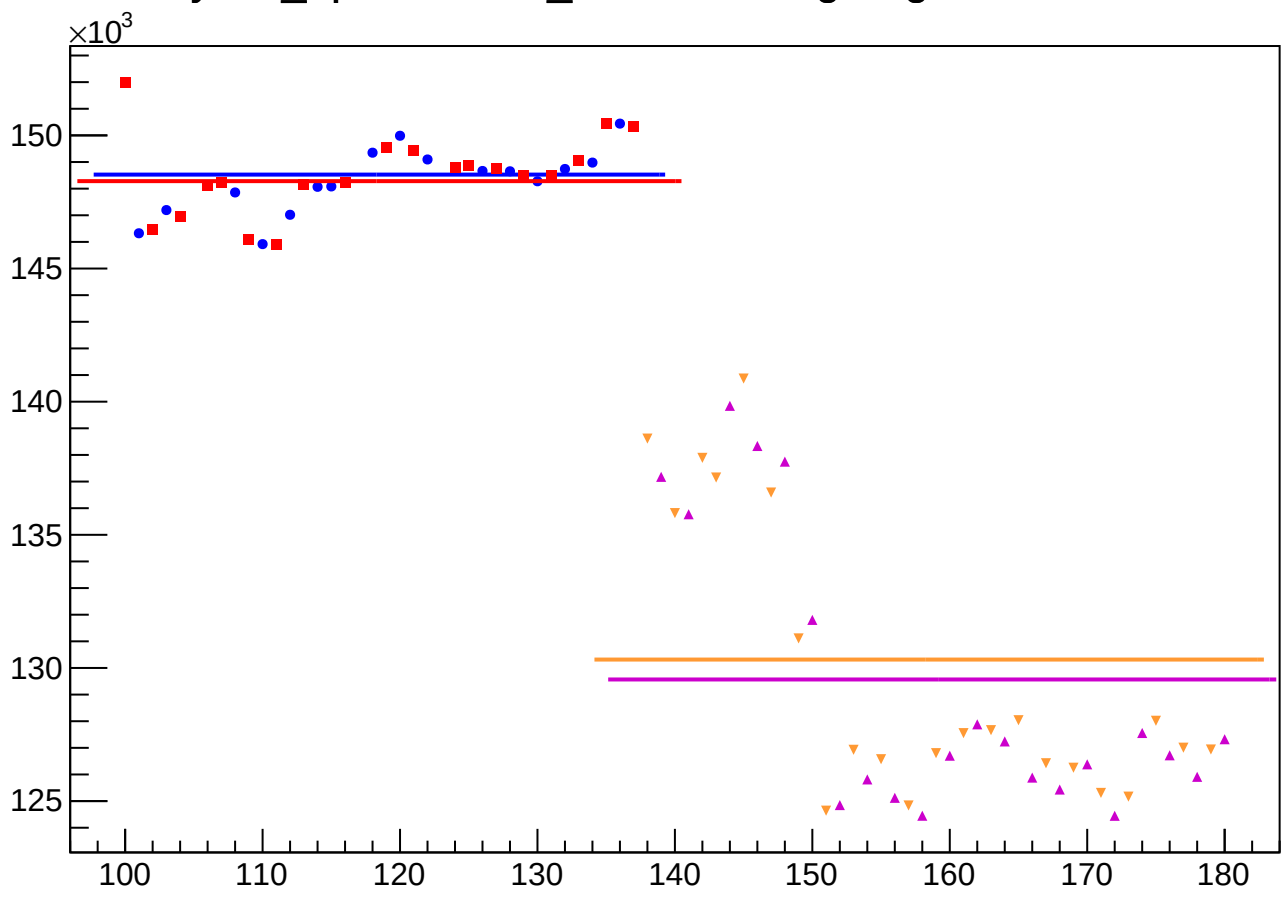
Left: 186.741+/-0.023 χ^2/NDF: 1641247.8/42

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 171.794+/-0.025 χ^2/NDF:2175224.1/36

Out: 168.556+/-0.025 χ^2/NDF:2624563.3/40

All: 170.137+/-0.018 χ^2/NDF: 4808045.6/77



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130315.433+/-0.067 χ^2/NDF:6172080776.9/21

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129567.564+/-0.067 χ^2/NDF:6402942880.8/20

Left: 129940.234+/-0.047 χ^2/NDF: 12637444509.3

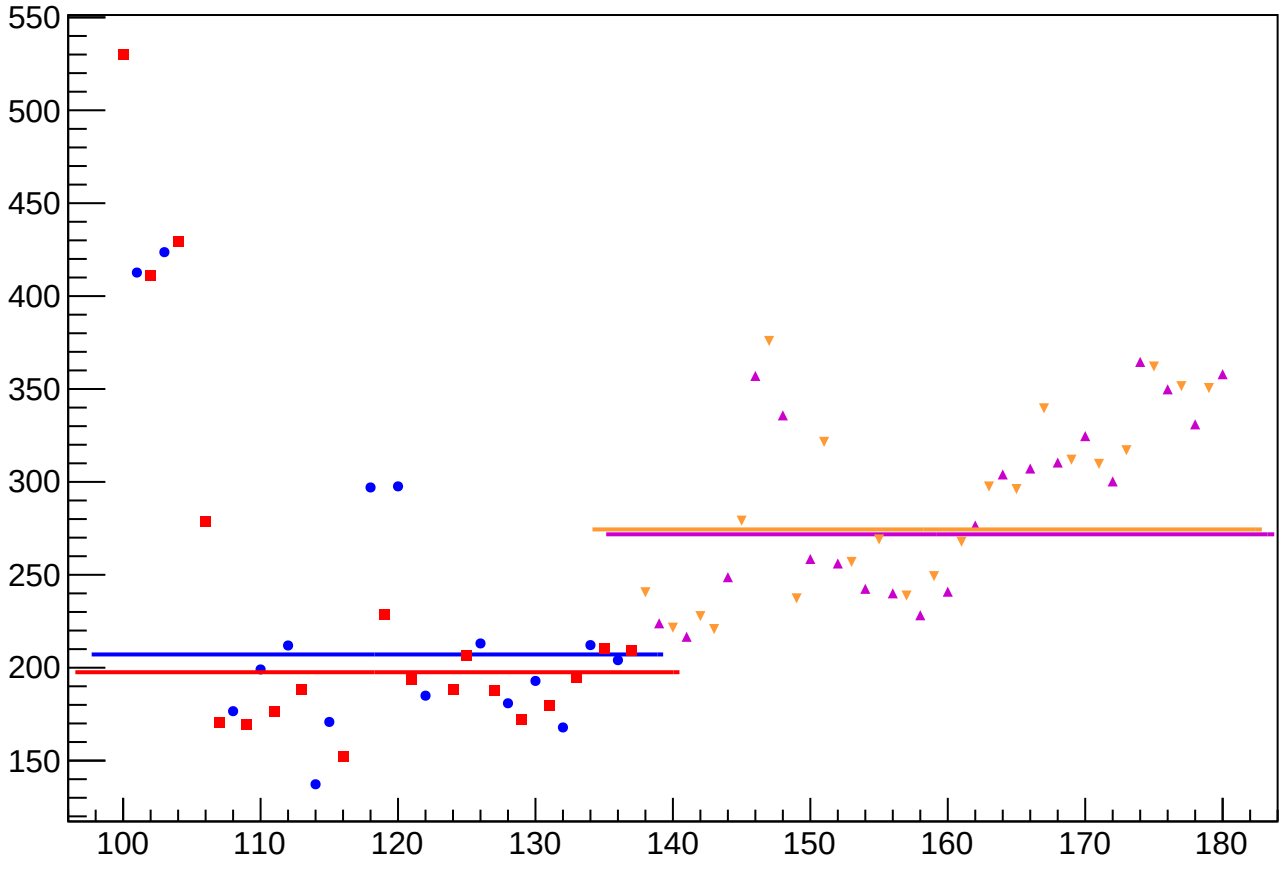
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137140.279+/-0.052 χ^2/NDF:38768854231.4/3

Out: 138108.525+/-0.050 χ^2/NDF:37613827979.5

All: 137637.019+/-0.036 χ^2/NDF: 765620362

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 274.428+/-0.047 χ^2/NDF:909786.2/21

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 271.791+/-0.047 χ^2/NDF:962408.5/20

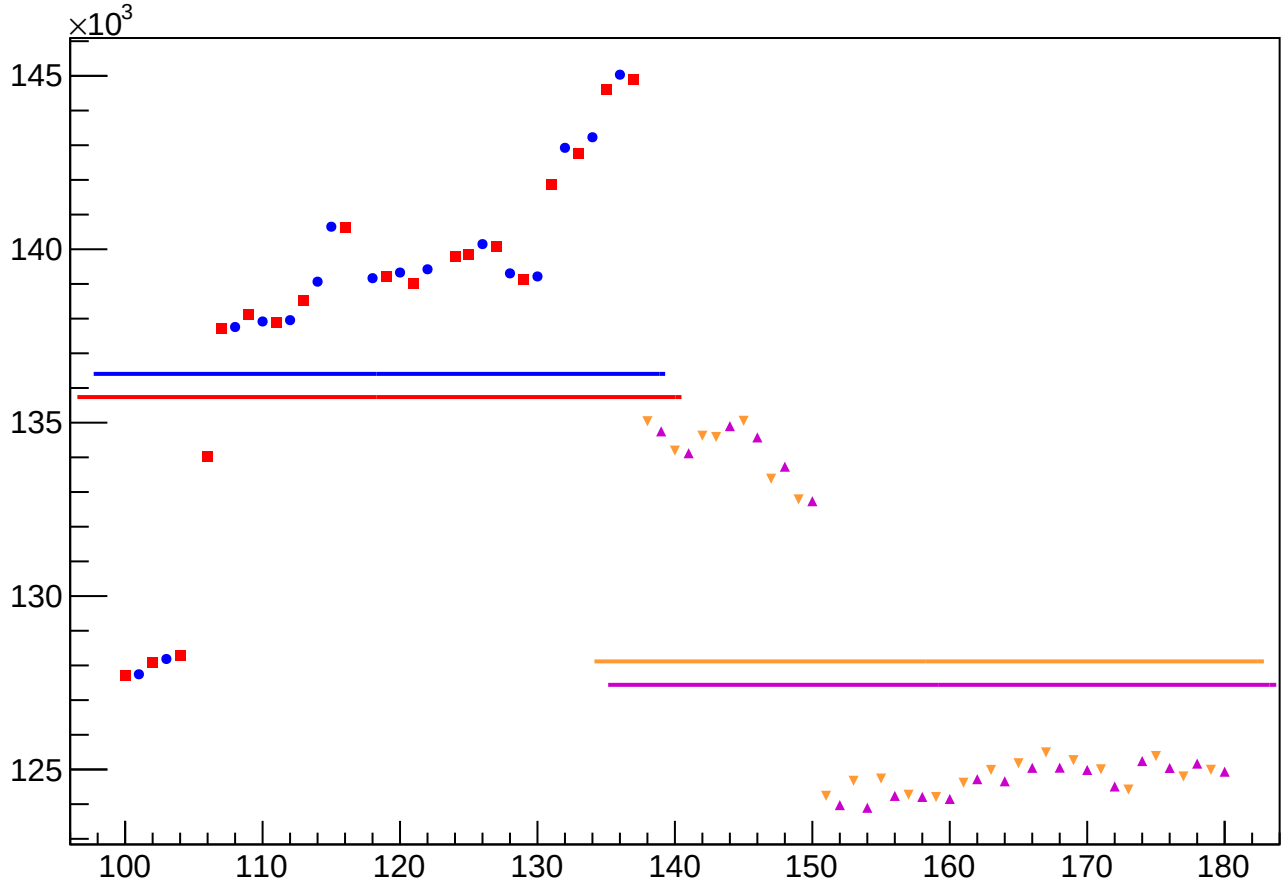
Left: 273.105+/-0.033 χ^2/NDF: 1873746.7/42

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

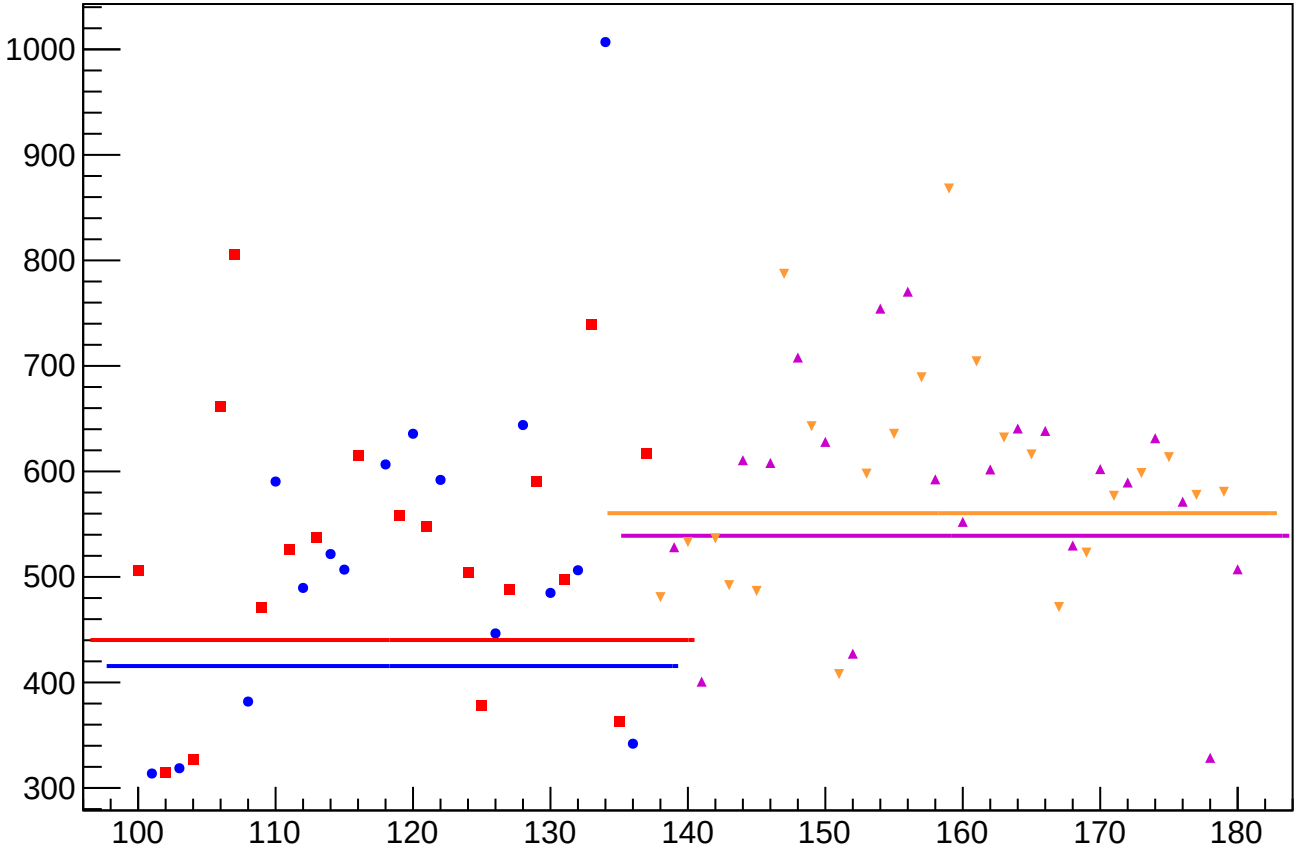
In: 245.967+/-0.037 χ^2/NDF:2682512.7/36

Out: 241.091+/-0.036 χ^2/NDF:2953721.1/40

All: 243.465+/-0.026 χ^2/NDF: 5645332.3/77


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
170
180
Right In: 136406.923+/-0.169 χ²/NDF: 1577071044.7/15
Left Out: 128116.110+/-0.143 χ²/NDF:1023738876.4/21
Right Out: 135738.412+/-0.177 χ²/NDF: 1174123878.0/18
Left In: 127440.616+/-0.142 χ²/NDF:937716086.7/20
Left: 127775.682+/-0.101 χ²/NDF: 1972711698.3/4
Right: 136088.335+/-0.122 χ²/NDF: 2758689484.9/
In: 131155.907+/-0.109 χ²/NDF:4171570771.7/36
Out: 131131.359+/-0.111 χ²/NDF:3322921820.1/4
All: 131143.924+/-0.078 χ²/NDF: 74945175

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 560.428+/-0.101 χ^2/NDF:881034.9/21

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 539.029+/-0.100 χ^2/NDF:1322043.6/20

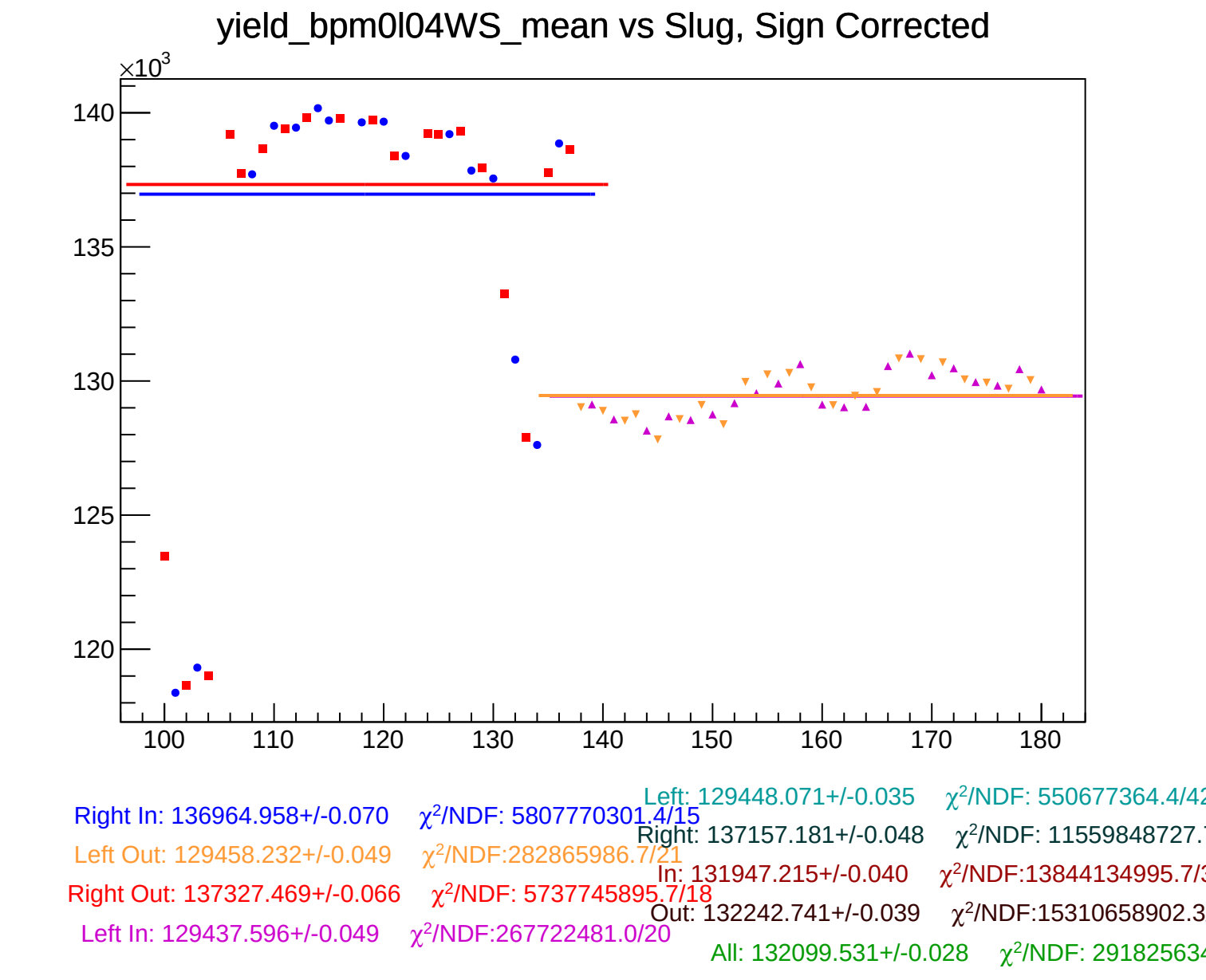
Left: 549.644+/-0.071 χ^2/NDF: 2225672.3/42

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

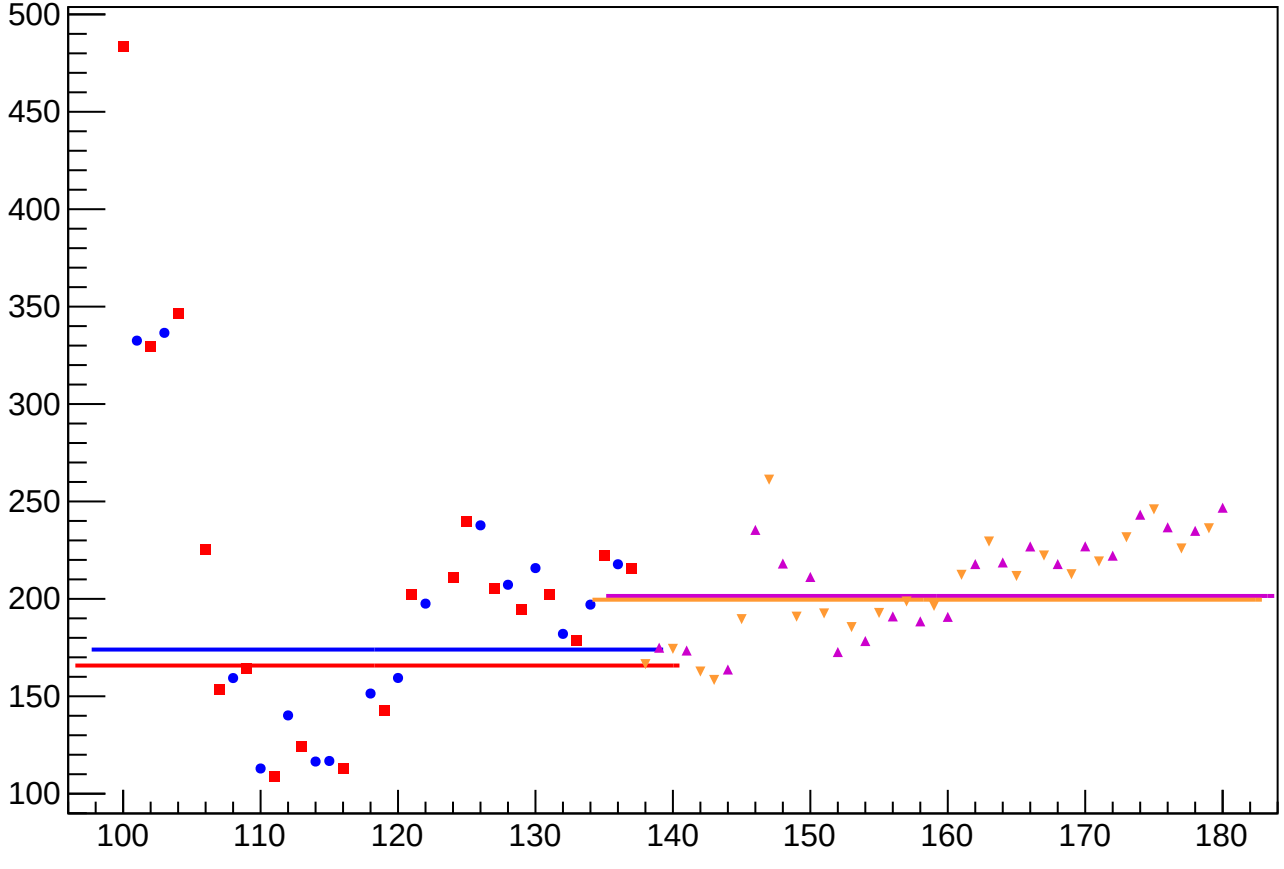
In: 487.863+/-0.077 χ^2/NDF:2982098.9/36

Out: 512.875+/-0.079 χ^2/NDF:2351477.5/40

All: 500.072+/-0.055 χ^2/NDF: 5385444.8/77


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
180
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129458.232+/-0.049 χ²/NDF:282865986.7/21
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129437.596+/-0.049 χ²/NDF:267722481.0/20
Left: 129448.071+/-0.035 χ²/NDF: 550677364.4/42
Right: 137157.181+/-0.048 χ²/NDF: 11559848727.
In: 131947.215+/-0.040 χ²/NDF:13844134995.7/3
Out: 132242.741+/-0.039 χ²/NDF:15310658902.3
All: 132099.531+/-0.028 χ²/NDF: 29182563

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 199.576+/-0.034 χ^2/NDF:580533.6/21

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 201.496+/-0.035 χ^2/NDF:567983.9/20

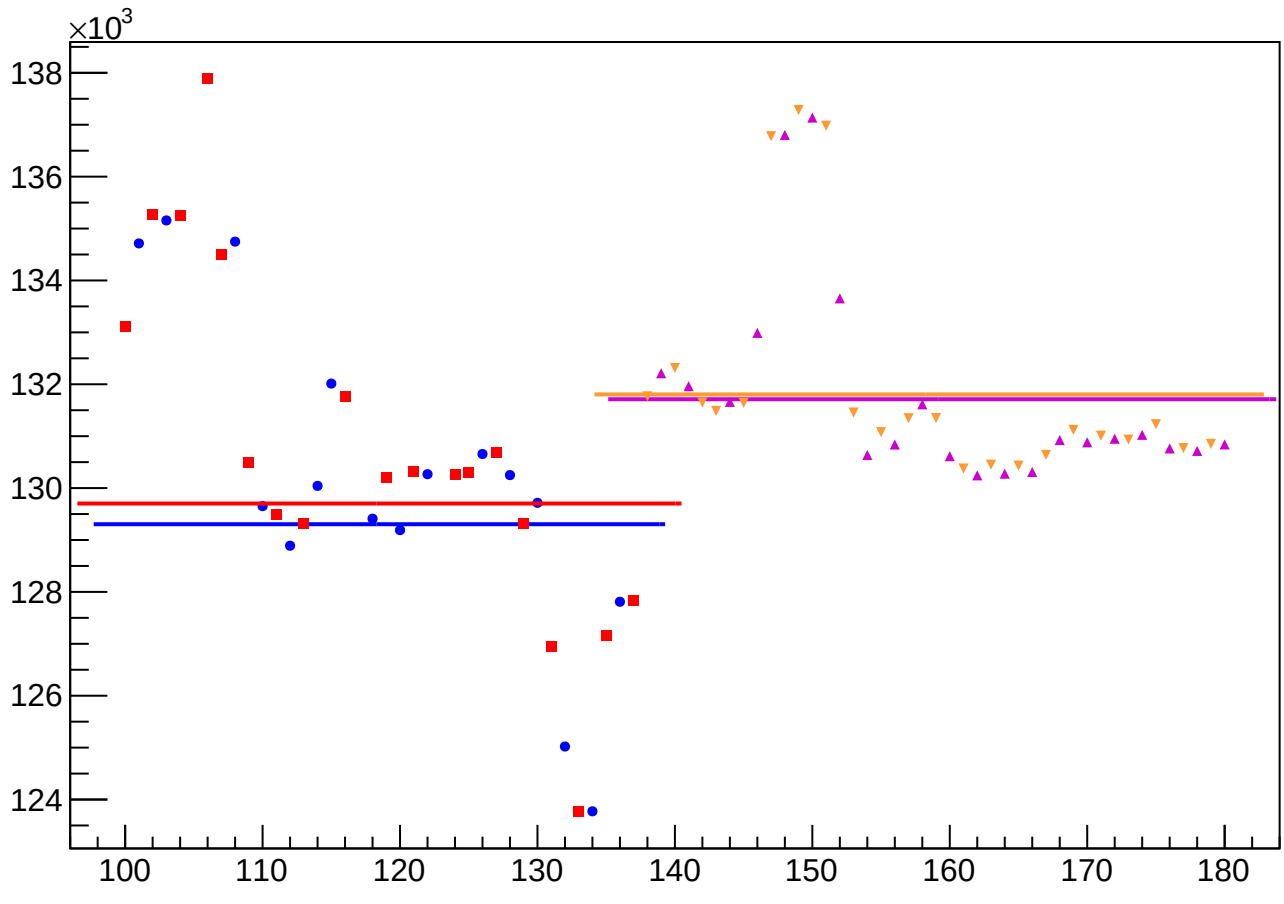
Left: 200.521+/-0.024 χ^2/NDF: 1150056.9/42

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 192.323+/-0.028 χ^2/NDF:1964061.1/36

Out: 187.617+/-0.028 χ^2/NDF:2356377.4/40

All: 189.897+/-0.020 χ^2/NDF: 4334517.8/77



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131804.532+/-0.048 χ^2/NDF:1383891920.9/21

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131711.961+/-0.049 χ^2/NDF:1133412144.6/20

Left: 131758.840+/-0.034 χ^2/NDF: 2519106803.4/4

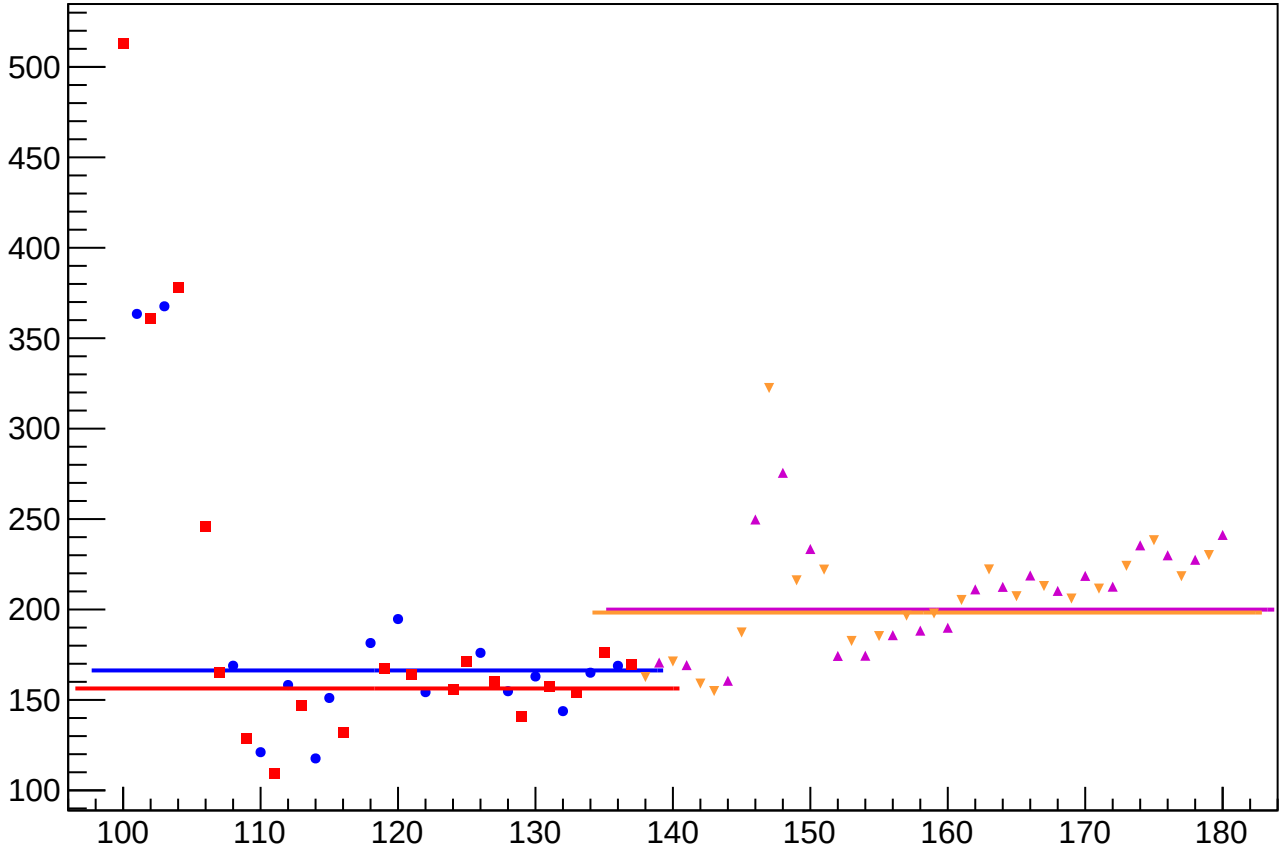
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130858.219+/-0.039 χ^2/NDF:3637693509.8/36

Out: 131000.482+/-0.038 χ^2/NDF:3881925512.0/4

All: 130931.837+/-0.027 χ^2/NDF: 75263594

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 198.317+/-0.034 χ^2/NDF:735882.3/21

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 199.936+/-0.035 χ^2/NDF:708790.0/20

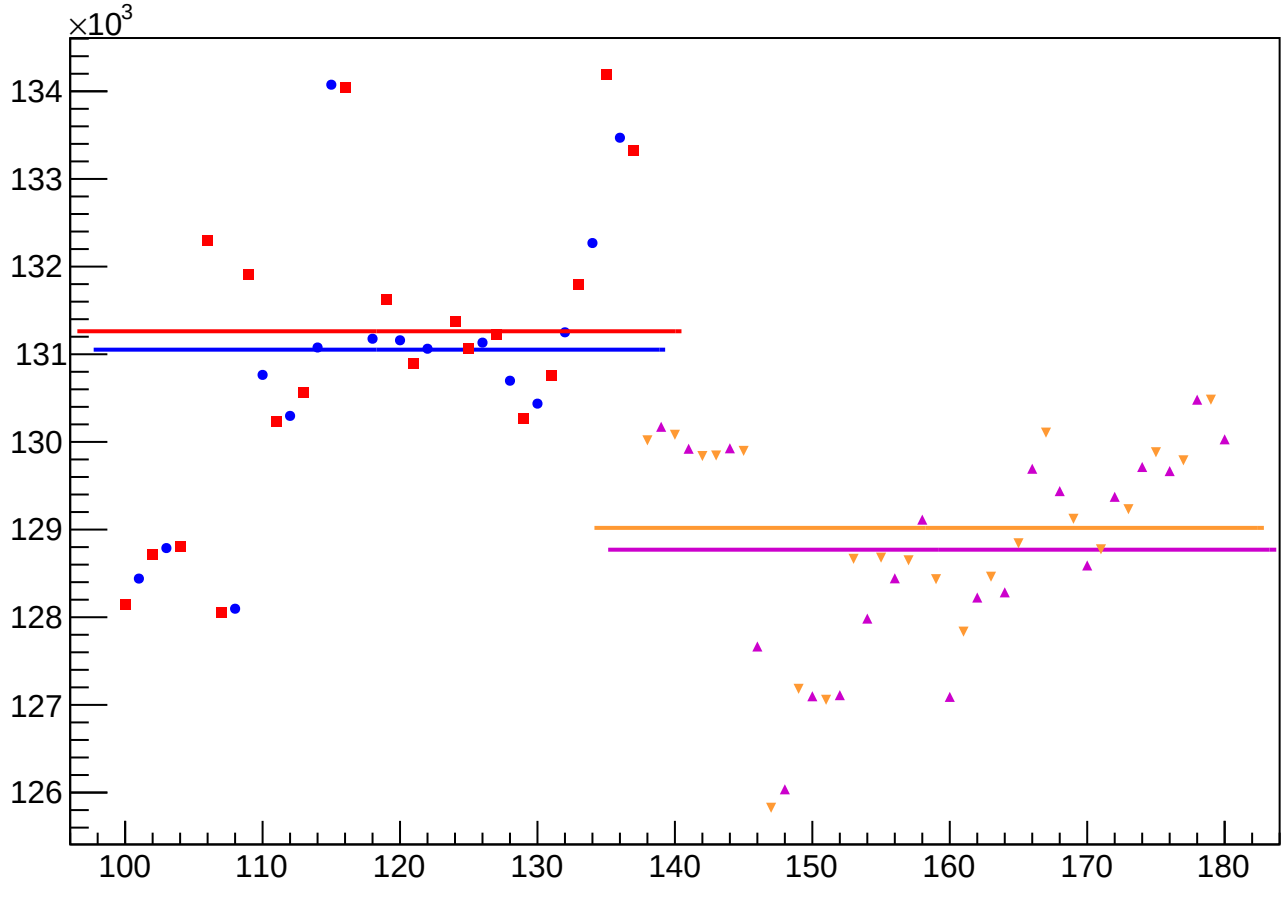
Left: 199.116+/-0.024 χ^2/NDF: 1445774.9/42

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 188.012+/-0.028 χ^2/NDF:1979944.3/36

Out: 182.257+/-0.027 χ^2/NDF:2483416.9/40

All: 185.034+/-0.019 χ^2/NDF: 4485415.2/77



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129019.305+/-0.047 χ^2/NDF:523052229.4/21

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128770.498+/-0.048 χ^2/NDF:653182154.7/20

Left: 128896.920+/-0.033 χ^2/NDF: 1190045164.3/4

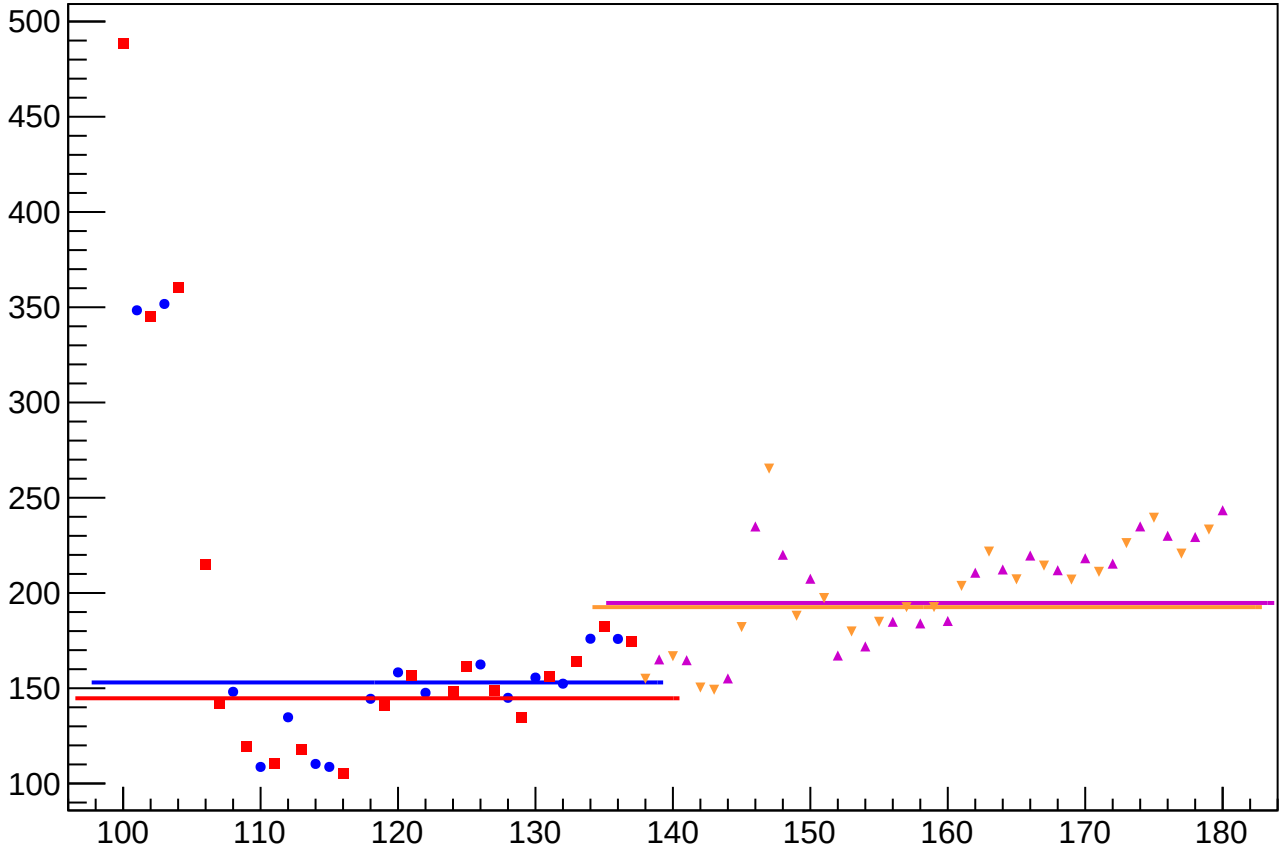
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129643.270+/-0.038 χ^2/NDF:2051345613.3/36

Out: 129932.442+/-0.036 χ^2/NDF:2056257408.5/4

All: 129793.145+/-0.026 χ^2/NDF: 41384178

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 192.576+/-0.033 χ^2/NDF:720175.6/21

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 194.768+/-0.034 χ^2/NDF:663080.7/20

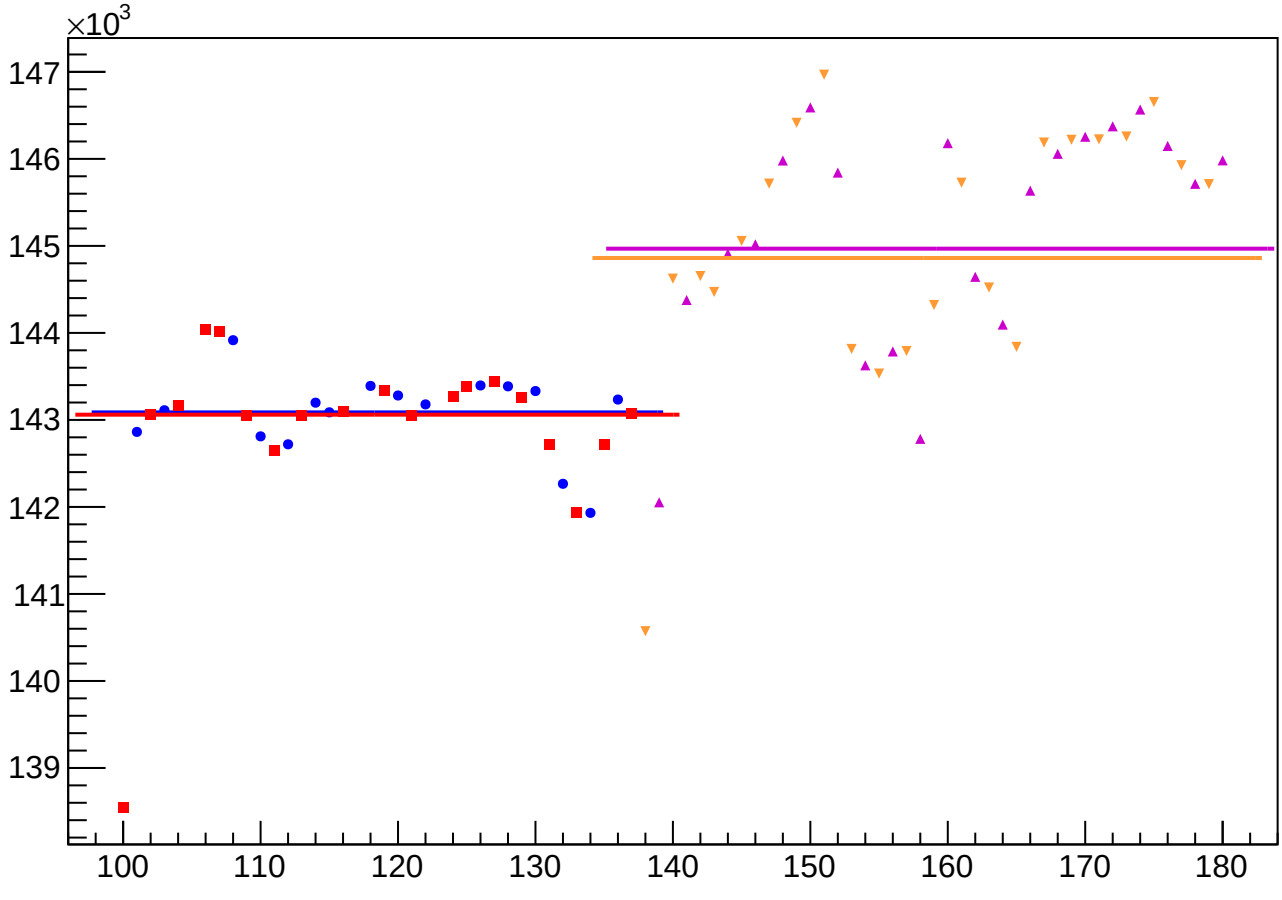
Left: 193.654+/-0.024 χ^2/NDF: 1385399.2/42

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 178.809+/-0.027 χ^2/NDF:2307287.1/36

Out: 173.097+/-0.026 χ^2/NDF:2829007.3/40

All: 175.849+/-0.018 χ^2/NDF: 5160337.9/77



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144860.772+/-0.054 χ^2/NDF:816926076.2/21

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144968.168+/-0.055 χ^2/NDF:615789019.3/20

Left: 144913.945+/-0.038 χ^2/NDF: 1434674008.3/4

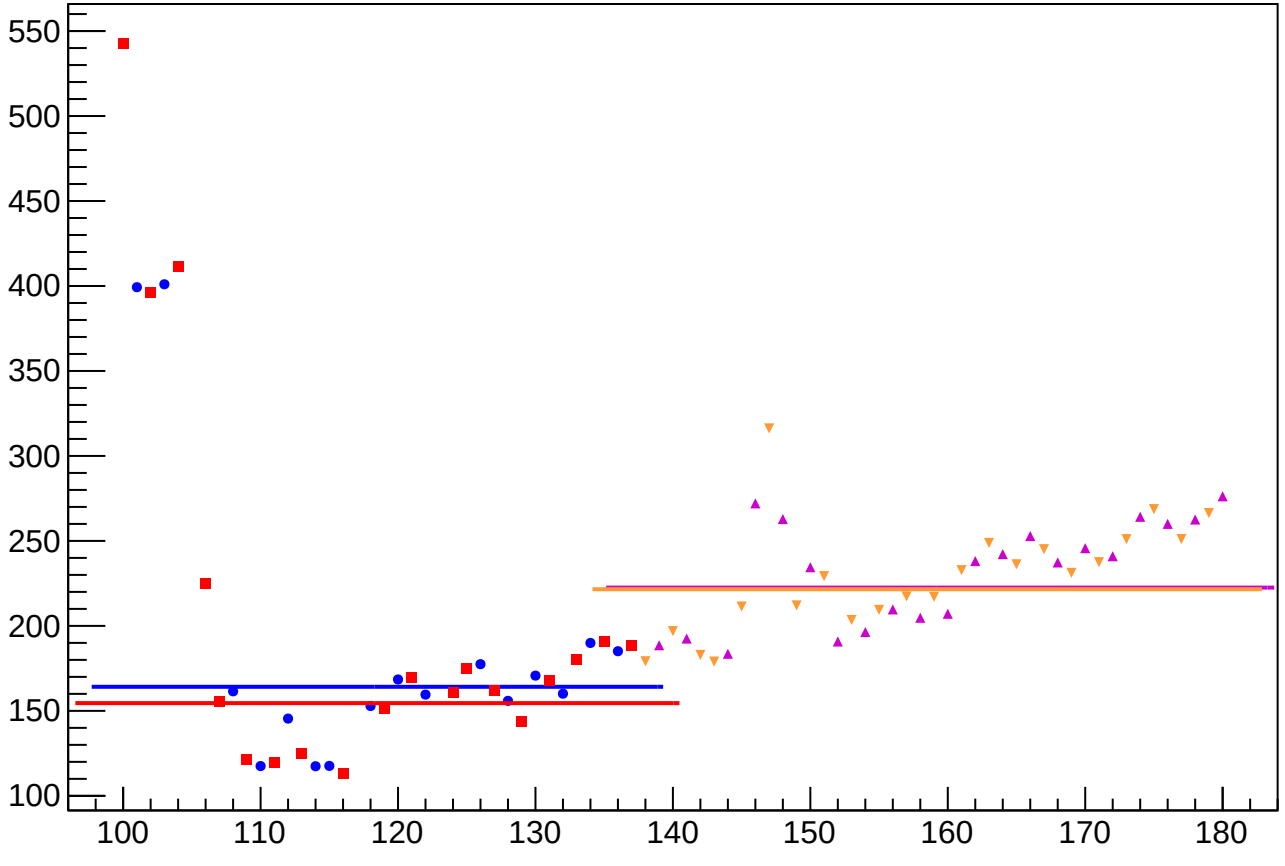
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144192.186+/-0.042 χ^2/NDF:1153705433.4/36

Out: 144064.804+/-0.040 χ^2/NDF:1360252078.9/4

All: 144126.223+/-0.029 χ^2/NDF: 25187677

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 221.559+/-0.038 χ^2/NDF:603866.6/21

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 222.535+/-0.039 χ^2/NDF:616767.2/20

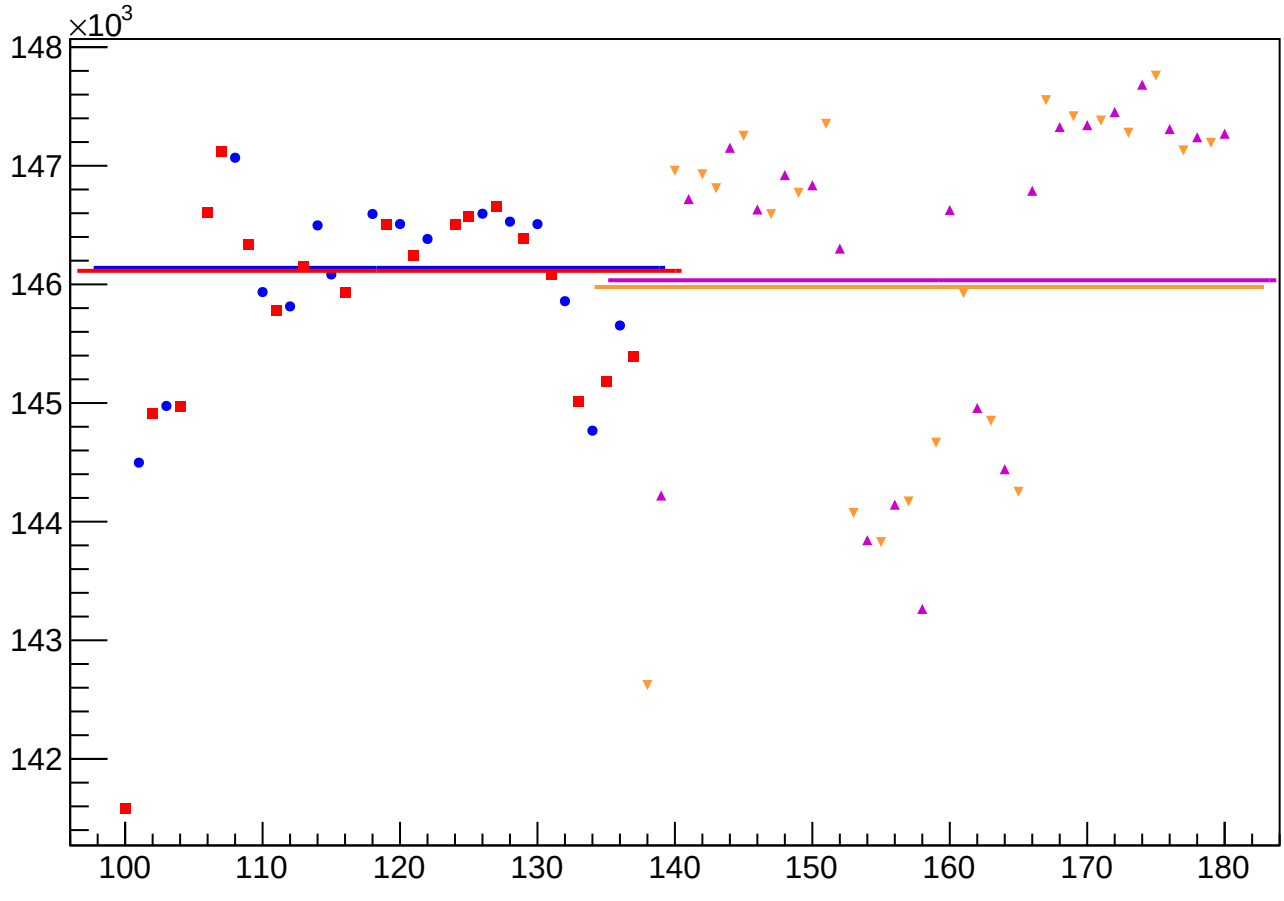
Left: 222.042+/-0.027 χ^2/NDF: 1220957.1/42

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 198.465+/-0.030 χ^2/NDF:2691764.7/36

Out: 191.939+/-0.029 χ^2/NDF:3332241.3/40

All: 195.086+/-0.021 χ^2/NDF: 6049252.2/77



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145978.096+/-0.054 χ^2/NDF:859627756.9/21

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146034.894+/-0.055 χ^2/NDF:694066720.6/20

Left: 146006.084+/-0.038 χ^2/NDF: 1554245349.6/4

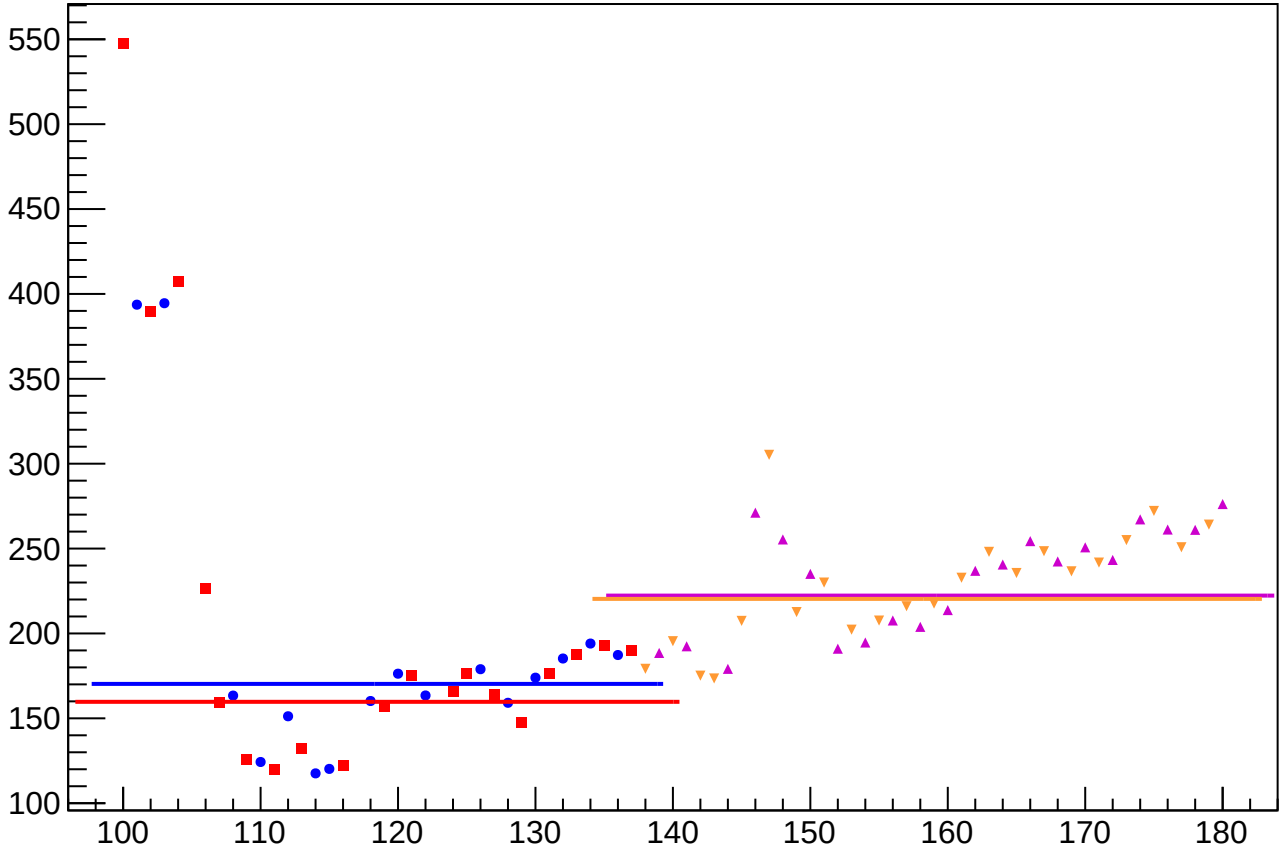
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146076.153+/-0.042 χ^2/NDF:767237907.1/36

Out: 146036.054+/-0.041 χ^2/NDF:935468575.7/40

All: 146055.311+/-0.029 χ^2/NDF: 17031718

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 220.359+/-0.038 χ^2/NDF:662622.0/21

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 222.296+/-0.039 χ^2/NDF:646970.8/20

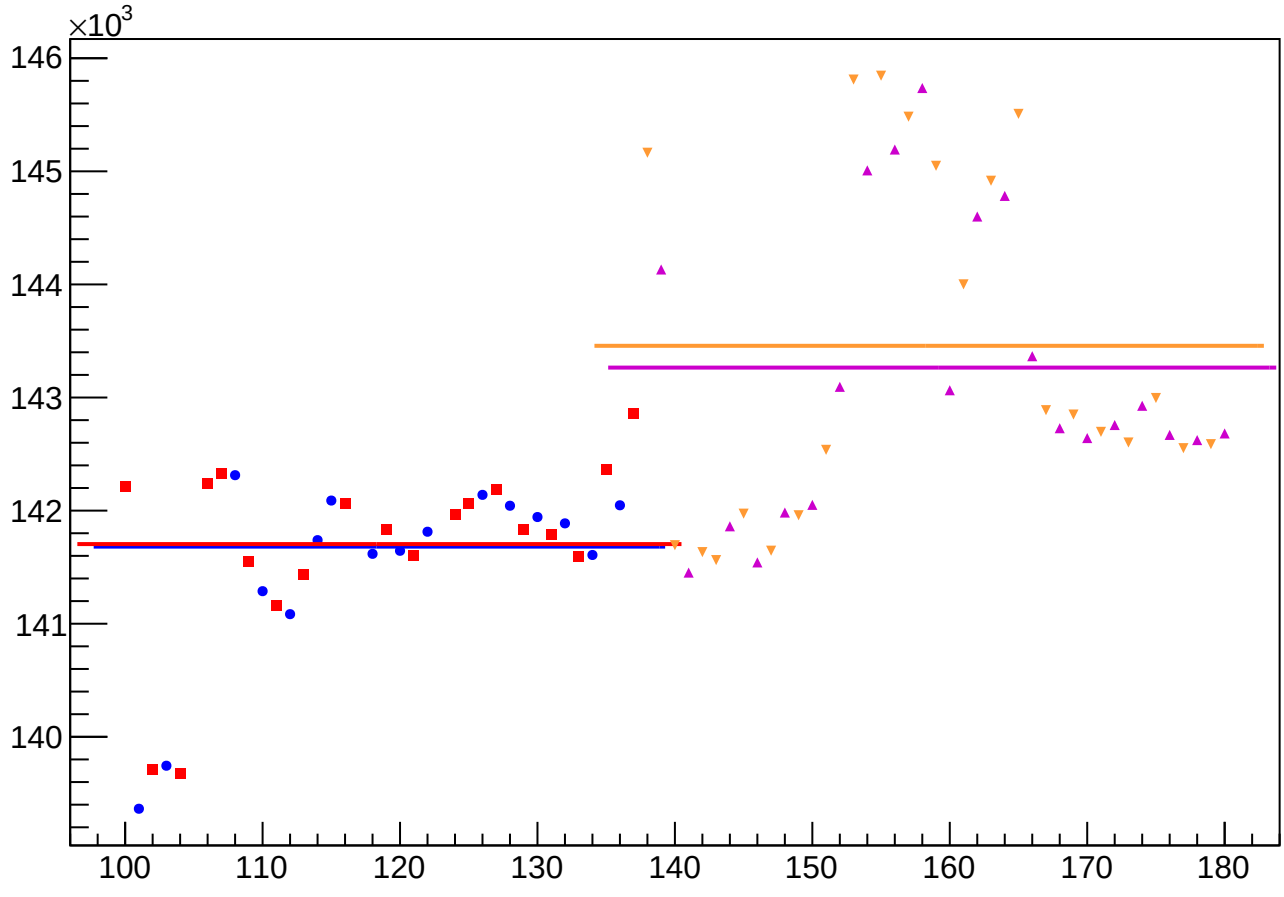
Left: 221.314+/-0.027 χ^2/NDF: 1310873.8/42

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 201.727+/-0.030 χ^2/NDF:2424991.8/36

Out: 194.587+/-0.029 χ^2/NDF:3036960.0/40

All: 198.016+/-0.021 χ^2/NDF: 5491461.9/77



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143457.280+/-0.056 χ^2/NDF:760641090.9/21

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143264.613+/-0.056 χ^2/NDF:524337192.1/20

Left: 143361.370+/-0.039 χ^2/NDF: 1290950148.3/4

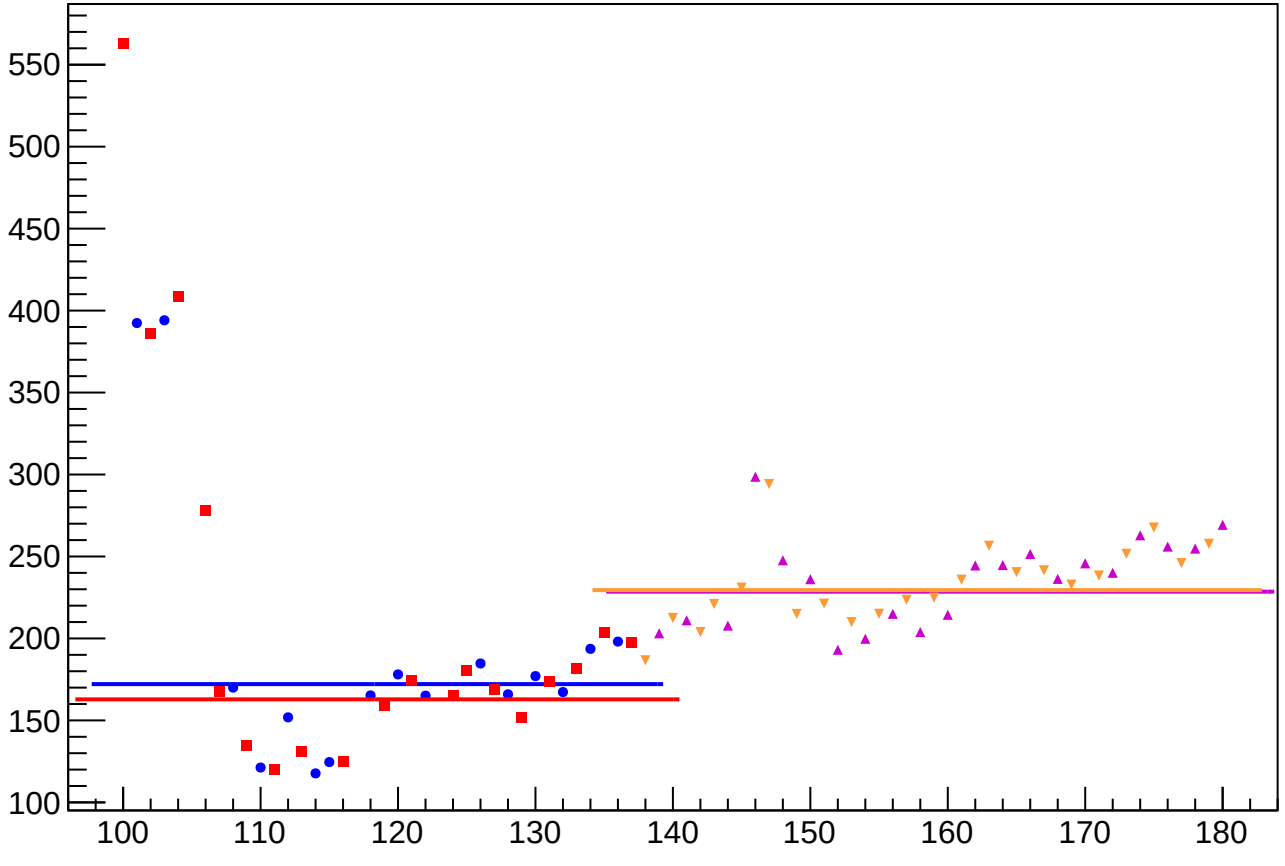
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142629.747+/-0.043 χ^2/NDF:910531297.9/36

Out: 142700.072+/-0.042 χ^2/NDF:1255171881.3/4

All: 142665.992+/-0.030 χ^2/NDF: 21670666

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 229.485+/-0.039 χ^2/NDF:319971.2/21

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 228.537+/-0.040 χ^2/NDF:430797.3/20

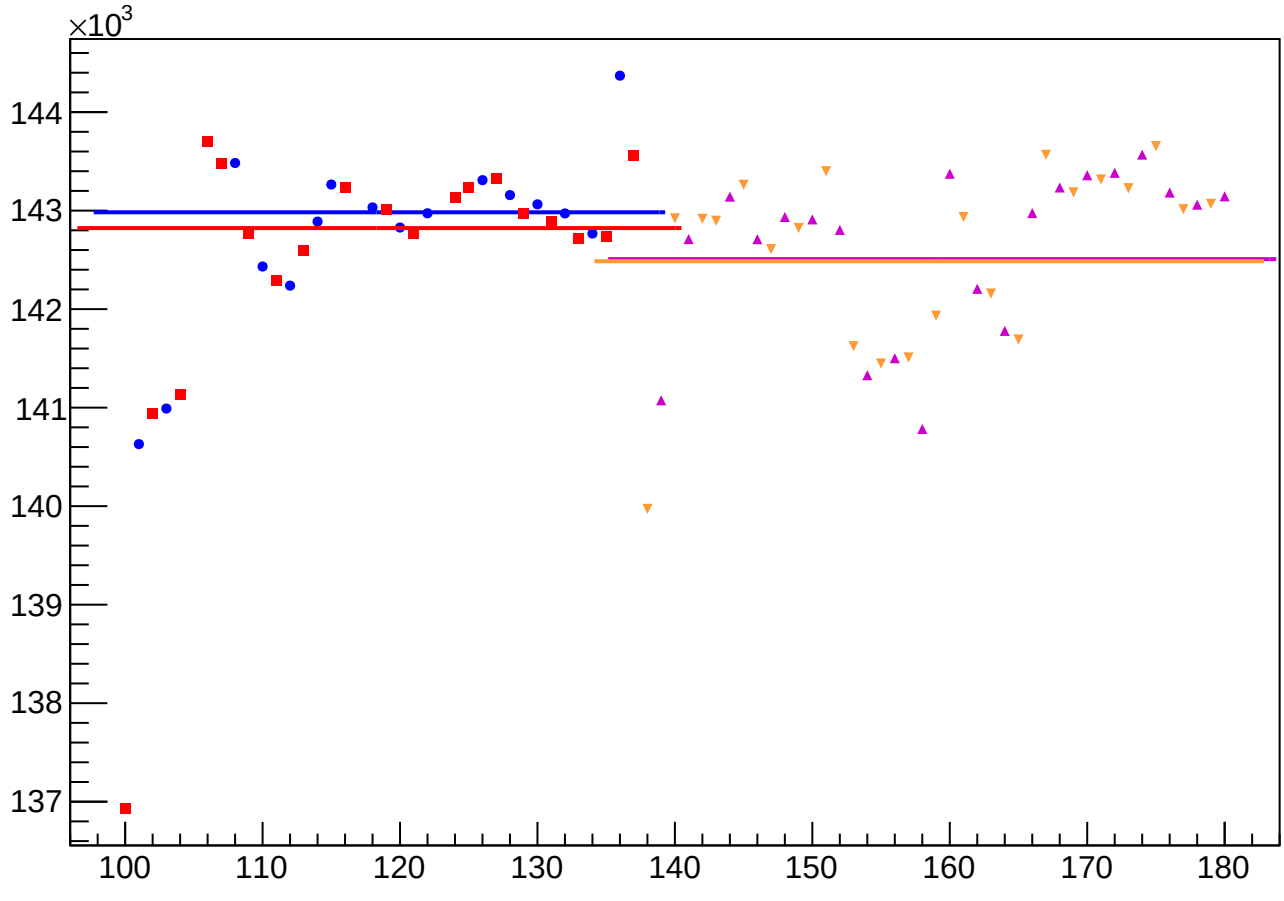
Left: 229.013+/-0.028 χ^2/NDF: 751057.7/42

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 205.915+/-0.031 χ^2/NDF:2316808.6/36

Out: 200.701+/-0.030 χ^2/NDF:2865637.2/40

All: 203.228+/-0.021 χ^2/NDF: 5197434.1/77



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142486.158+/-0.053 χ^2/NDF:334430674.9/21

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142507.845+/-0.053 χ^2/NDF:269271251.6/20

Left: 142496.851+/-0.037 χ^2/NDF: 603785752.8/42

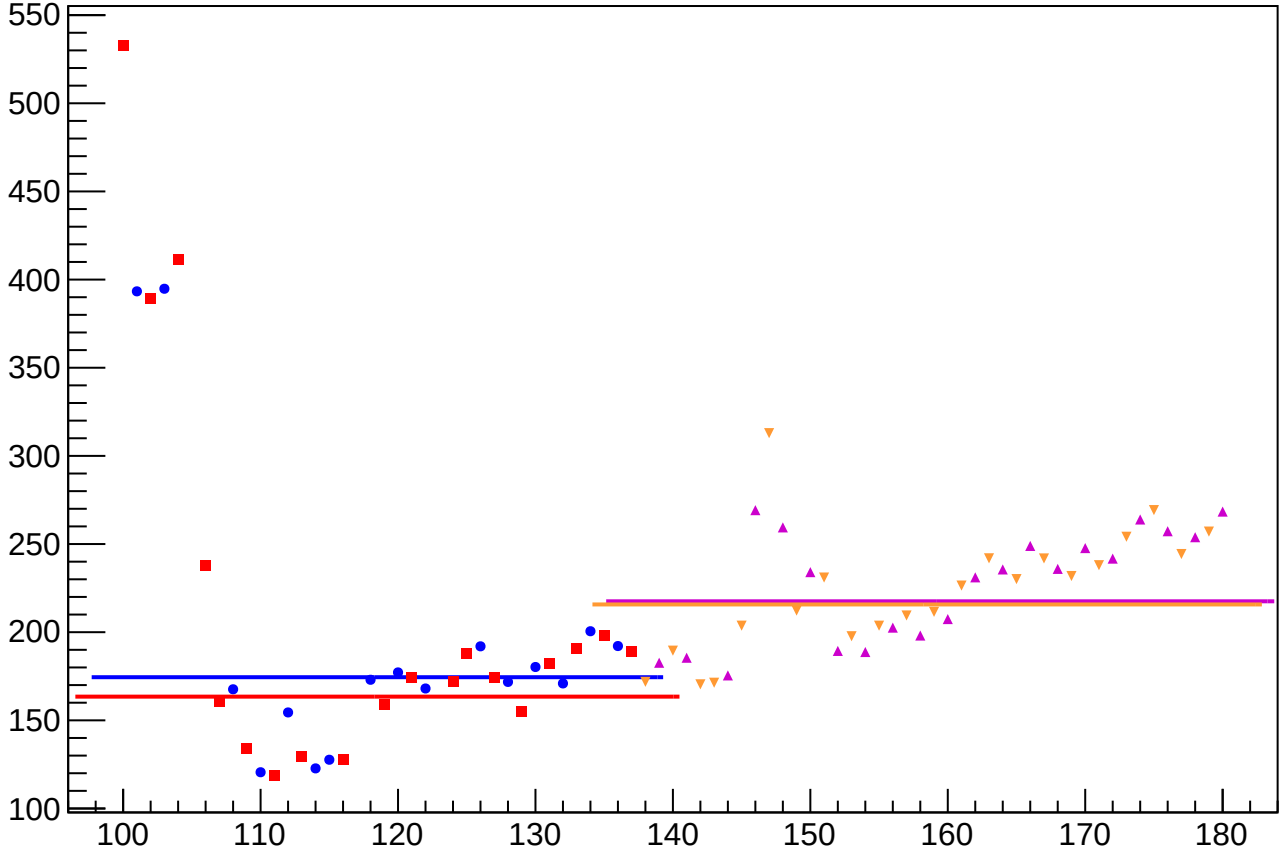
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142685.192+/-0.042 χ^2/NDF:406595224.5/36

Out: 142621.759+/-0.041 χ^2/NDF:414508873.5/40

All: 142652.268+/-0.029 χ^2/NDF: 82227561

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 215.736+/-0.037 χ^2/NDF:721293.1/21

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 217.520+/-0.038 χ^2/NDF:698091.1/20

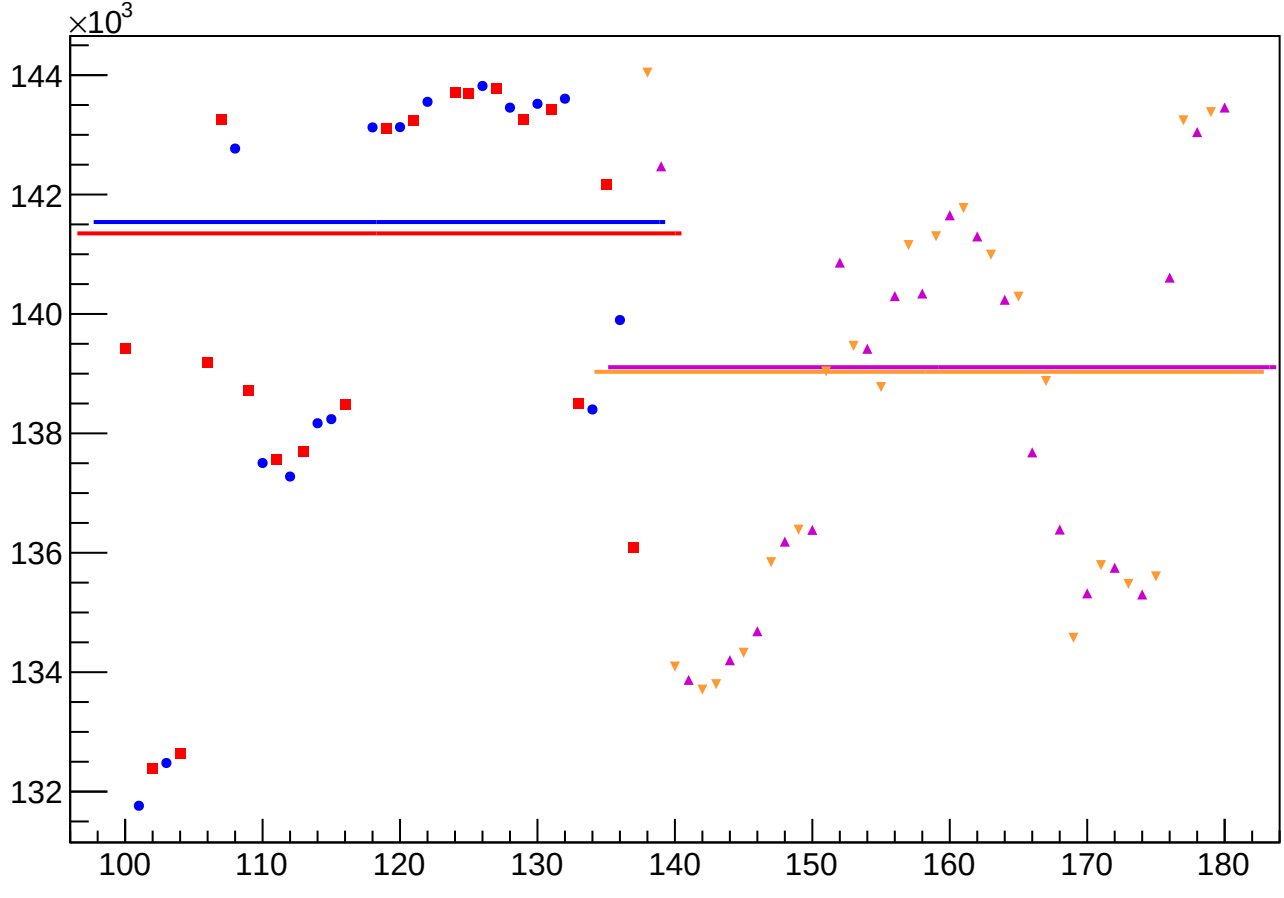
Left: 216.616+/-0.026 χ^2/NDF: 1420518.6/42

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 201.451+/-0.030 χ^2/NDF:2233692.7/36

Out: 194.670+/-0.029 χ^2/NDF:2800117.0/40

All: 197.932+/-0.021 χ^2/NDF: 5060589.0/77



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139030.912+/-0.075 χ^2/NDF:2174373722.4/21

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139108.582+/-0.076 χ^2/NDF:1736240545.5/20

Left: 139069.379+/-0.053 χ^2/NDF: 3911147268.0/4

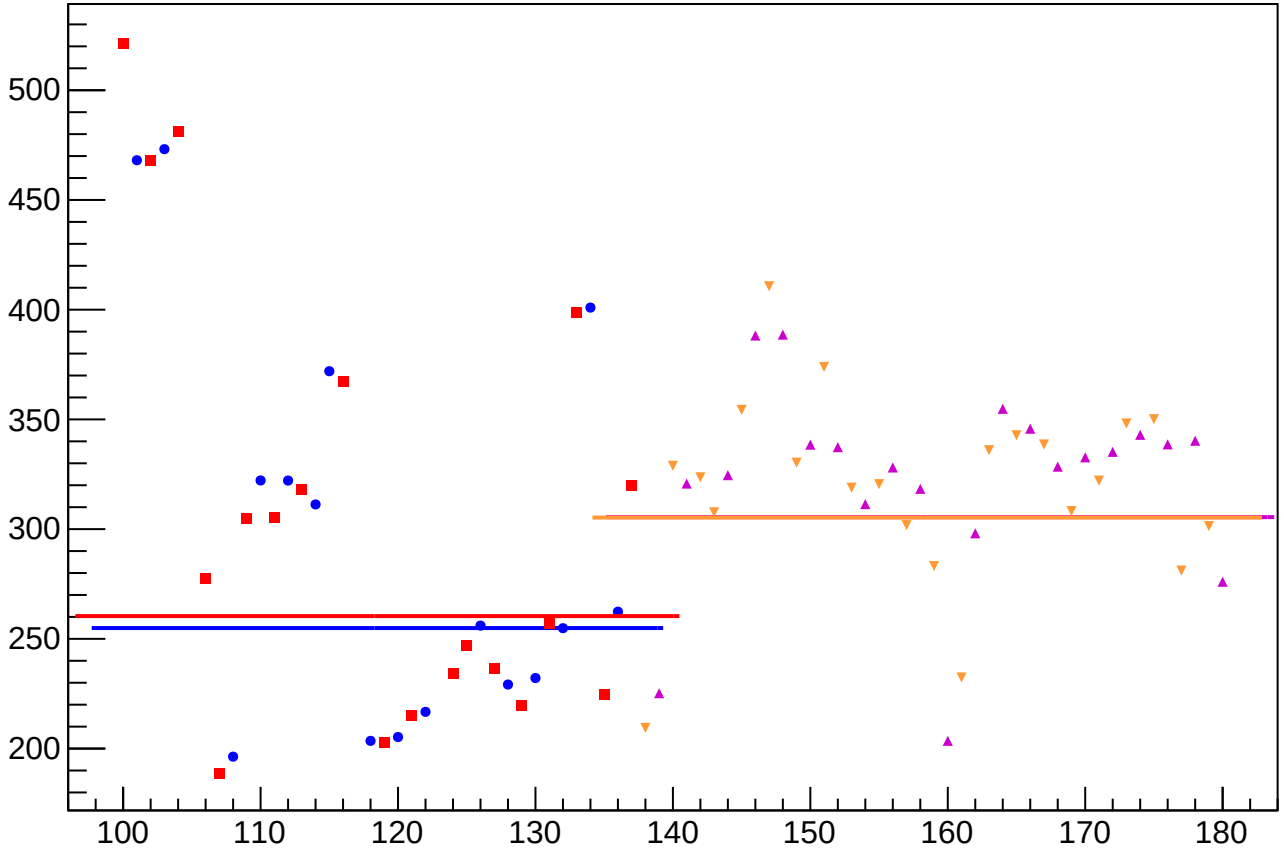
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139983.323+/-0.060 χ^2/NDF:3056206086.2/36

Out: 139852.573+/-0.060 χ^2/NDF:3440903035.1/4

All: 139917.606+/-0.043 χ^2/NDF: 64994587

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.281+/-0.053 χ^2/NDF:815324.3/21

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 305.468+/-0.053 χ^2/NDF:959431.9/20

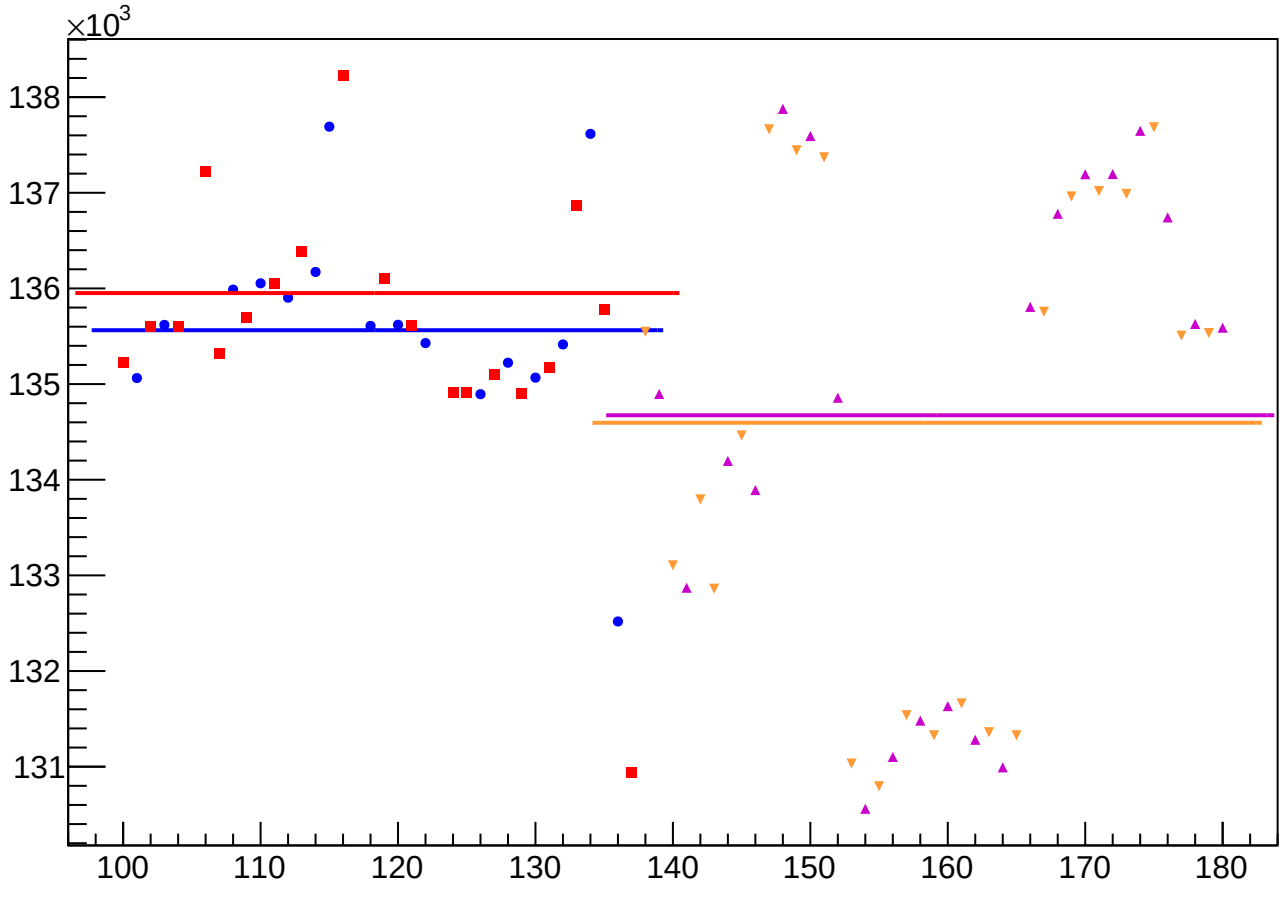
Left: 305.373+/-0.038 χ^2/NDF: 1774762.4/42

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 287.278+/-0.043 χ^2/NDF:2231290.1/36

Out: 289.365+/-0.043 χ^2/NDF:2063670.5/40

All: 288.327+/-0.030 χ^2/NDF: 4296157.0/77



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134595.773+/-0.065 χ^2/NDF:1198181476.7/21

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134674.170+/-0.068 χ^2/NDF:1096121418.1/20

Left: 134633.538+/-0.047 χ^2/NDF: 2294993254.2/4

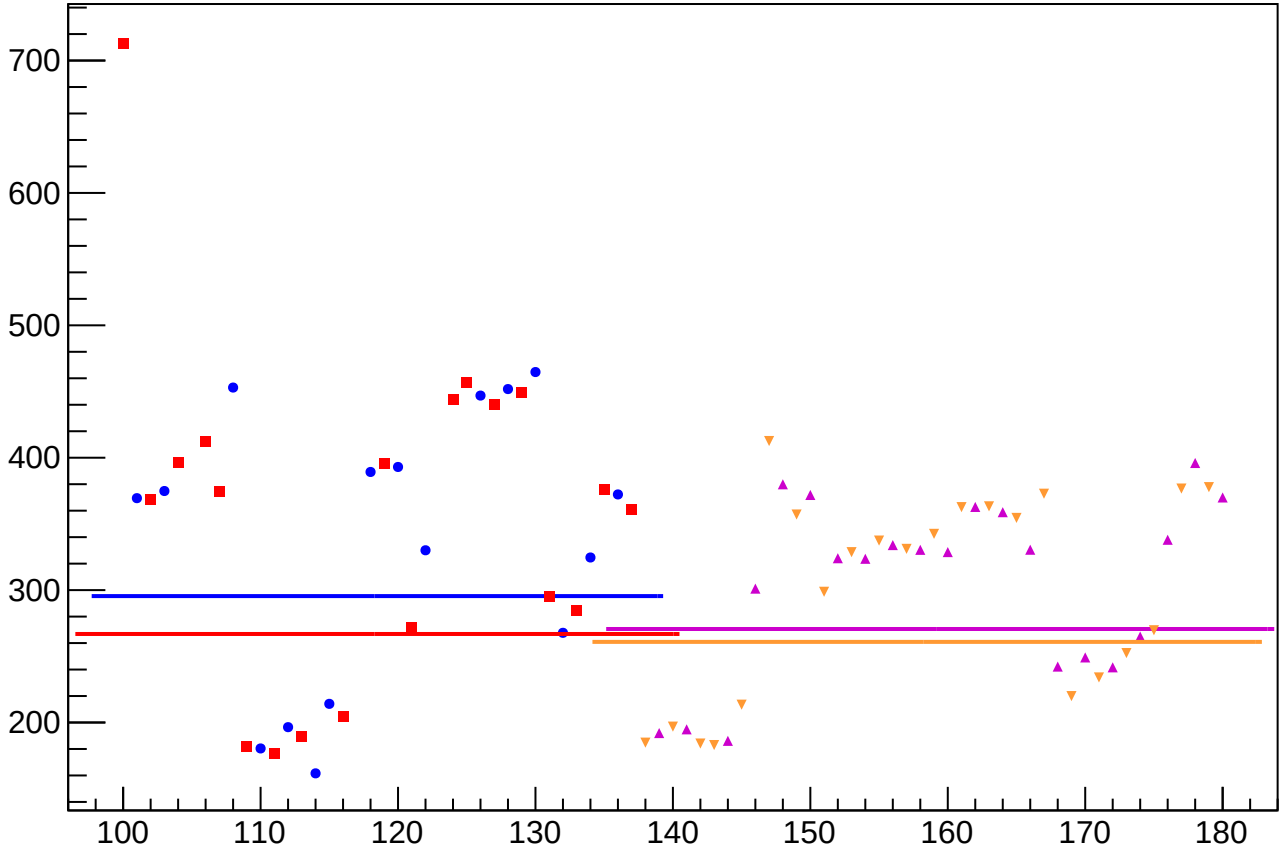
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134894.422+/-0.059 χ^2/NDF:1232720987.7/36

Out: 134968.476+/-0.056 χ^2/NDF:1407578765.7/4

All: 134933.482+/-0.040 χ^2/NDF: 26411331

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 260.896+/-0.046 χ^2/NDF:2490595.3/21

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 270.626+/-0.048 χ^2/NDF:2054933.9/20

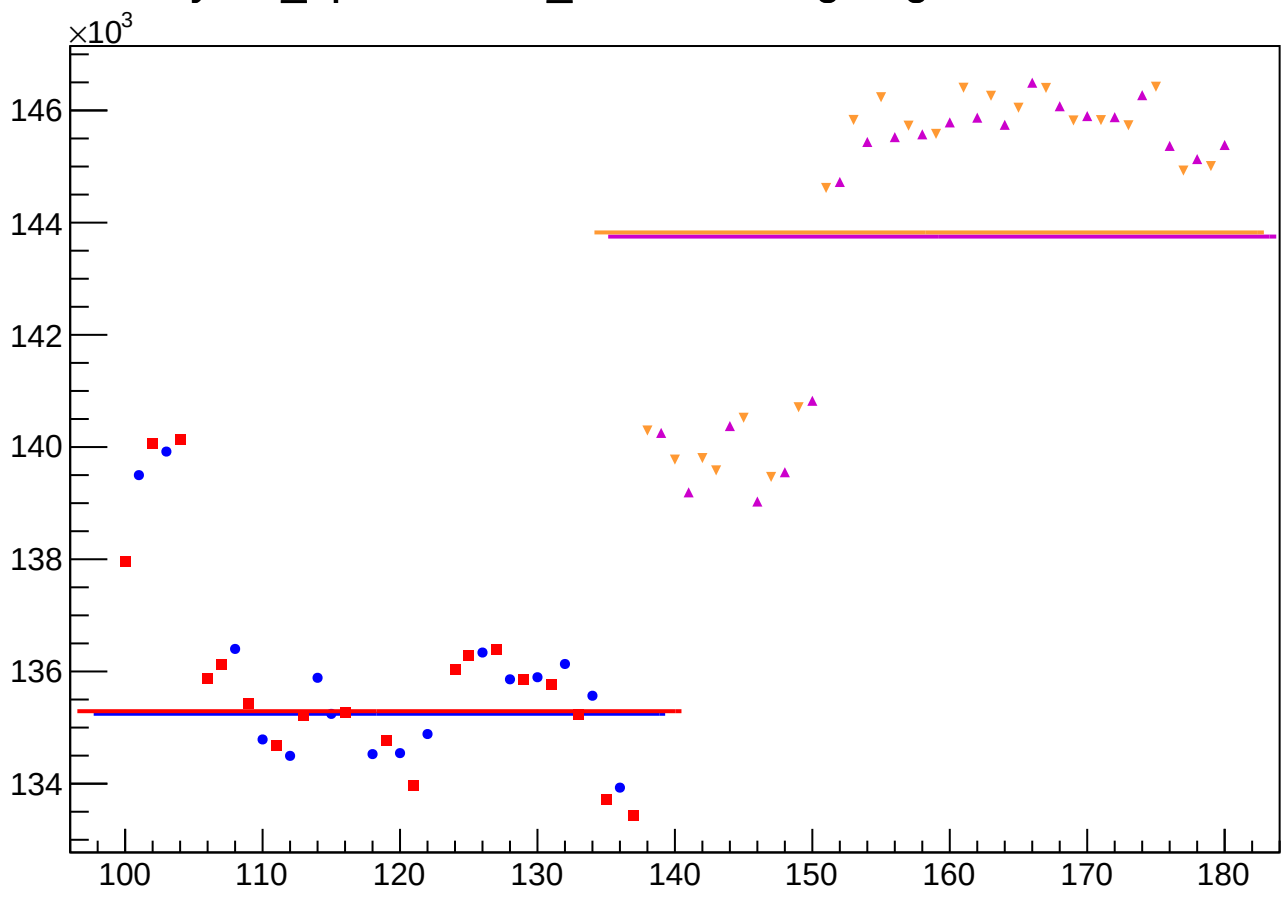
Left: 265.583+/-0.033 χ^2/NDF: 4566799.5/42

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 276.785+/-0.042 χ^2/NDF:3563814.4/36

Out: 262.537+/-0.039 χ^2/NDF:4173235.1/40

All: 269.270+/-0.029 χ^2/NDF: 7798753.1/77



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143825.289+/-0.050 χ^2/NDF:3122319403.8/21

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143751.566+/-0.052 χ^2/NDF:2797049131.3/20

Left: 143789.928+/-0.036 χ^2/NDF: 5920425360.4/4

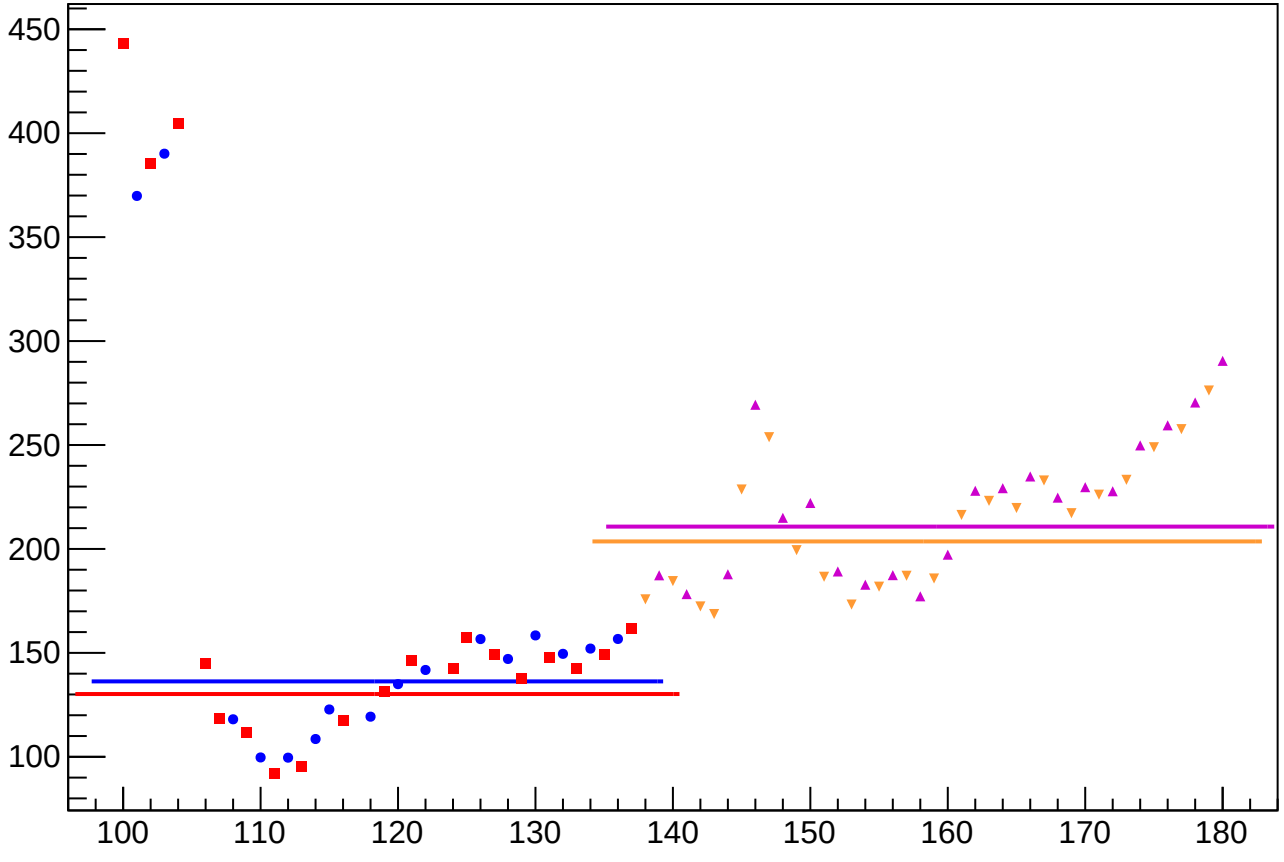
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139737.693+/-0.038 χ^2/NDF:15942556798.5/3

Out: 139733.758+/-0.036 χ^2/NDF:17657931550.7

All: 139735.631+/-0.026 χ^2/NDF: 3360049

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 203.615+/-0.035 χ^2/NDF:682565.7/21

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 210.747+/-0.037 χ^2/NDF:710272.1/20

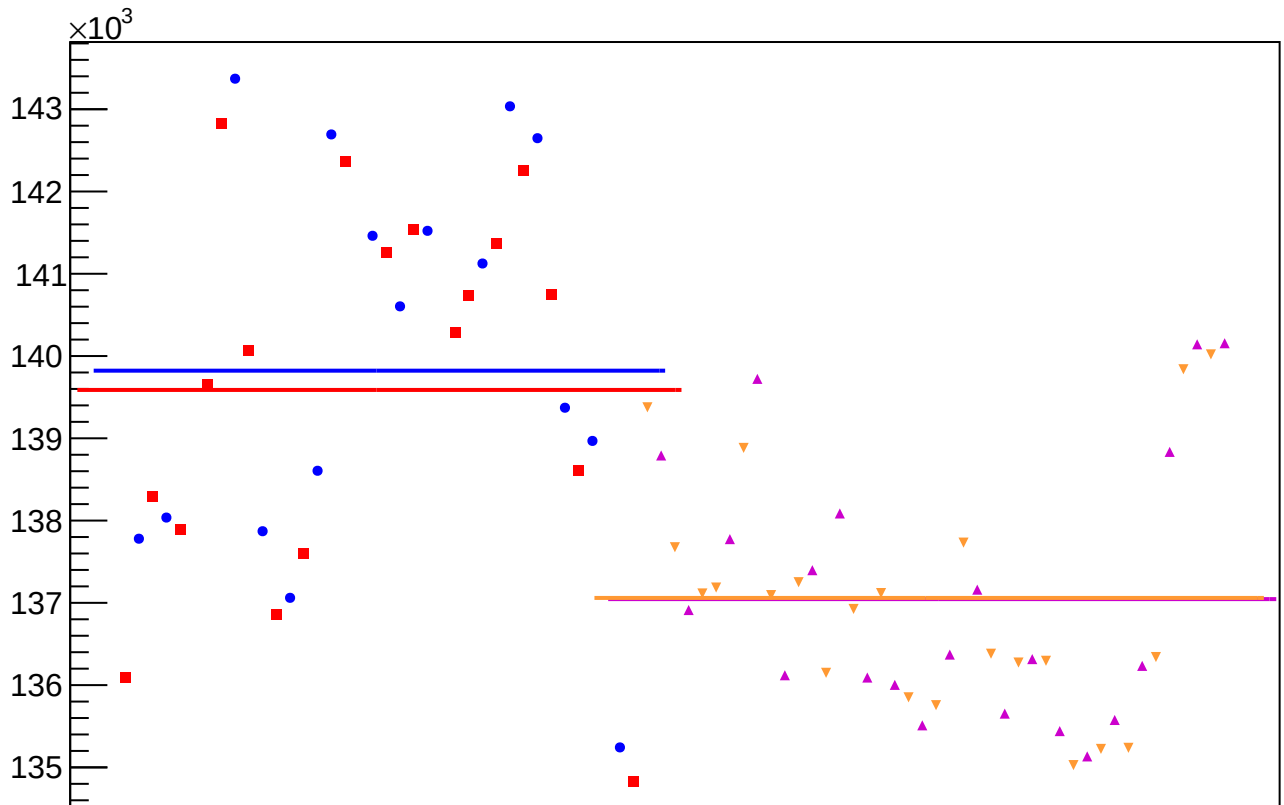
Left: 207.036+/-0.025 χ^2/NDF: 1412620.5/42

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 175.606+/-0.027 χ^2/NDF:4049893.2/36

Out: 168.417+/-0.025 χ^2/NDF:4298248.3/40

All: 171.840+/-0.018 χ^2/NDF: 8386465.2/77



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137059.689+/-0.051 χ^2/NDF:720643844.7/21

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137045.400+/-0.052 χ^2/NDF:792143227.0/20

Left: 137052.710+/-0.036 χ^2/NDF: 1512826018.4/4

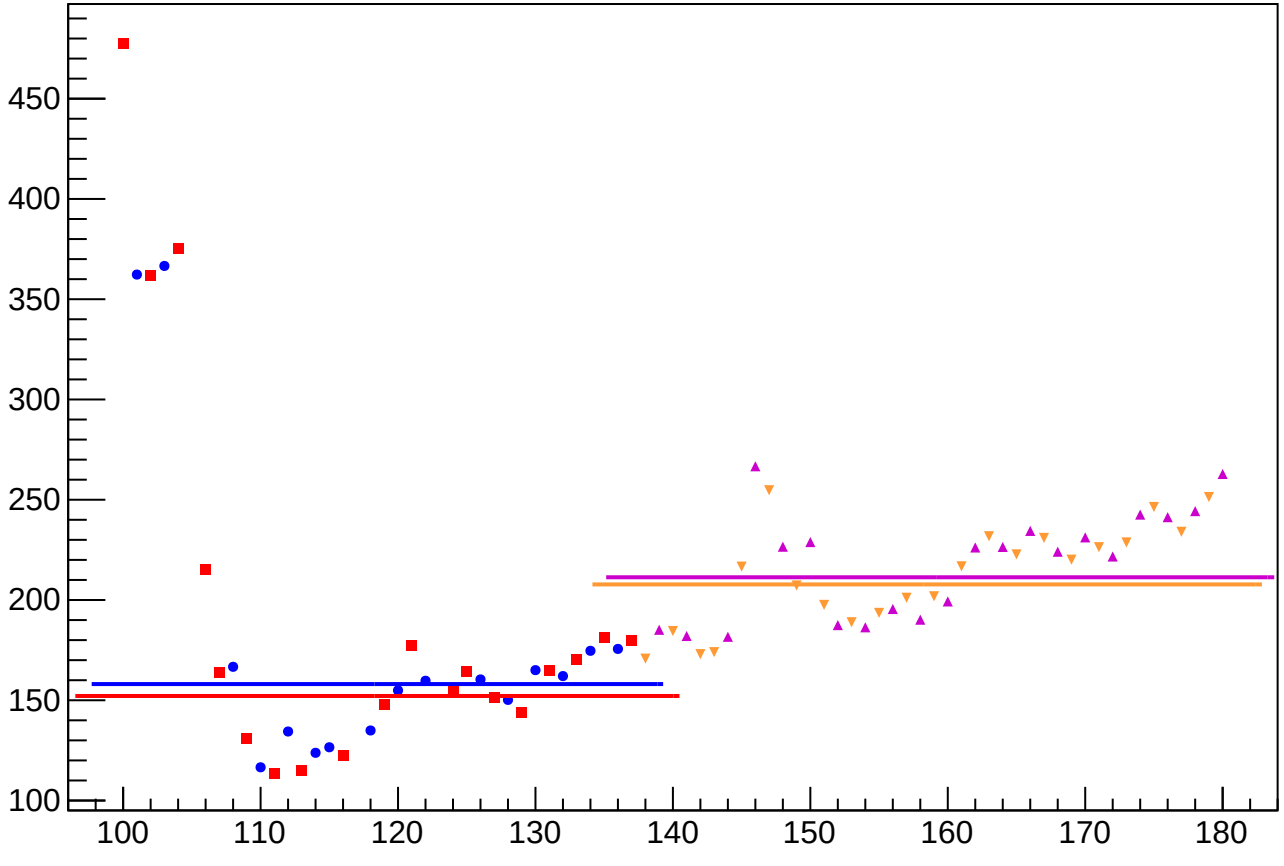
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138173.787+/-0.040 χ^2/NDF:3623795956.4/36

Out: 138116.118+/-0.039 χ^2/NDF:3246648176.8/4

All: 138144.004+/-0.028 χ^2/NDF: 68715229

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 207.773+/-0.036 χ^2/NDF:460562.3/21

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 211.335+/-0.037 χ^2/NDF:503564.6/20

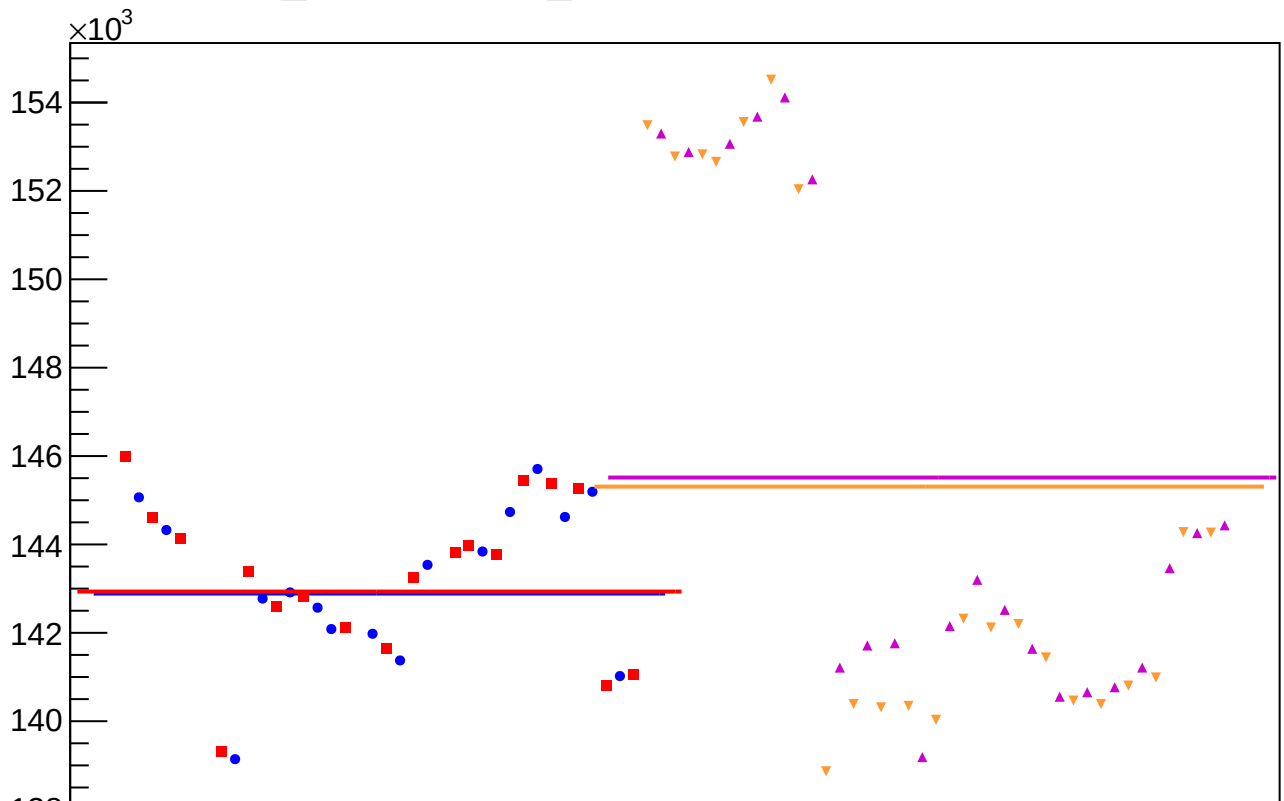
Left: 209.513+/-0.026 χ^2/NDF: 968967.1/42

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 189.693+/-0.028 χ^2/NDF:2380983.3/36

Out: 184.526+/-0.027 χ^2/NDF:2699816.4/40

All: 187.024+/-0.020 χ^2/NDF: 5098124.4/77



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145308.433+/-0.051 χ^2/NDF:13001946778.4/21

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145513.891+/-0.053 χ^2/NDF:11038439033.0/20

Left: 145408.644+/-0.037 χ^2/NDF: 24048230274.2

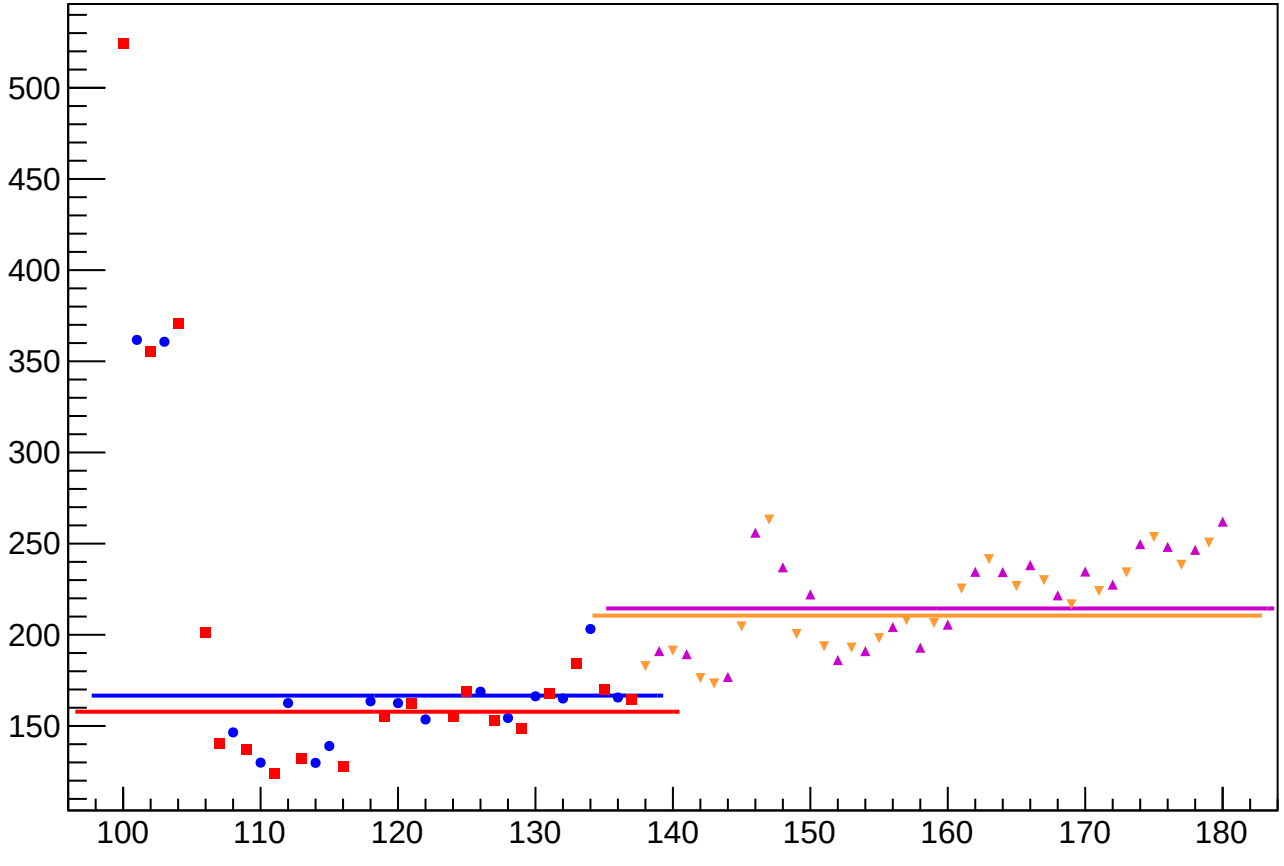
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144490.749+/-0.041 χ^2/NDF:12775852909.4/3

Out: 144336.356+/-0.039 χ^2/NDF:14668767157.6

All: 144410.406+/-0.028 χ^2/NDF: 27451995

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 210.534+/-0.036 χ^2/NDF:444669.2/21

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 214.446+/-0.037 χ^2/NDF:485437.9/20

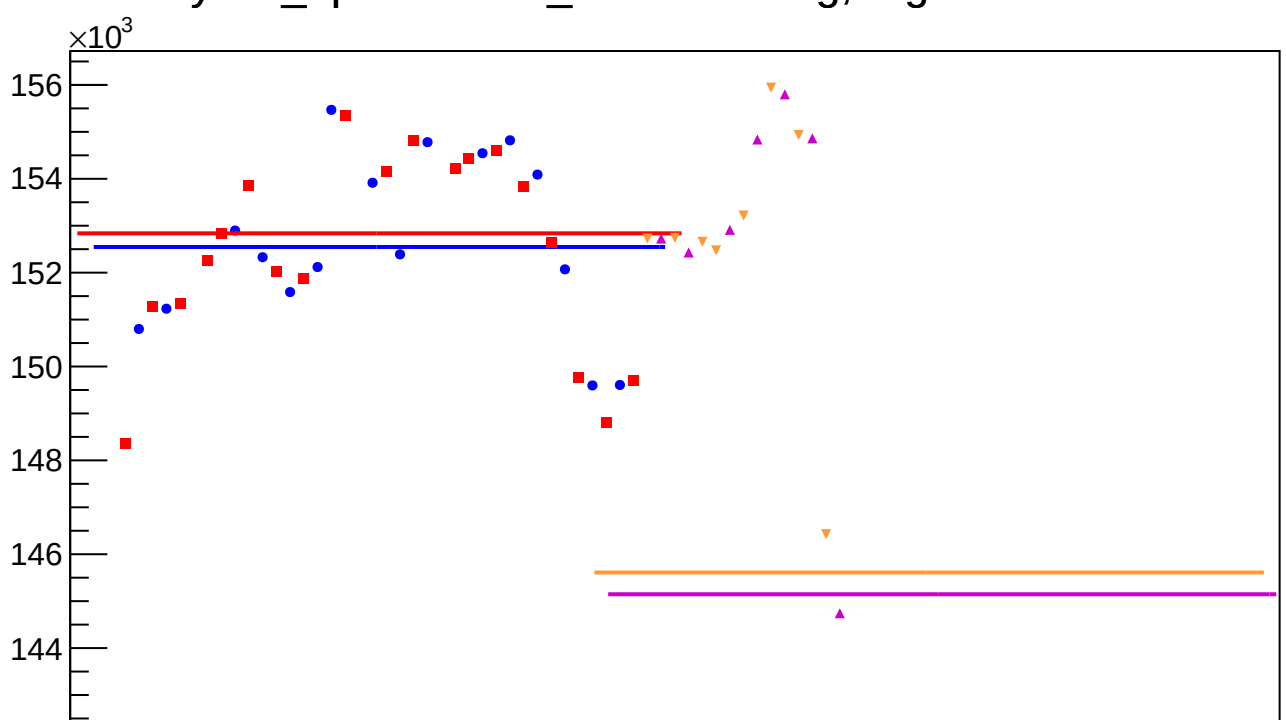
Left: 212.442+/-0.026 χ^2/NDF: 935794.6/42

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 195.816+/-0.029 χ^2/NDF:1994980.4/36

Out: 188.950+/-0.028 χ^2/NDF:2334182.5/40

All: 192.243+/-0.020 χ^2/NDF: 4358331.8/77



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145147.047+/-0.052 χ^2/NDF:12818531448.7/20

Left: 145383.813+/-0.036 χ^2/NDF: 25866880477.6

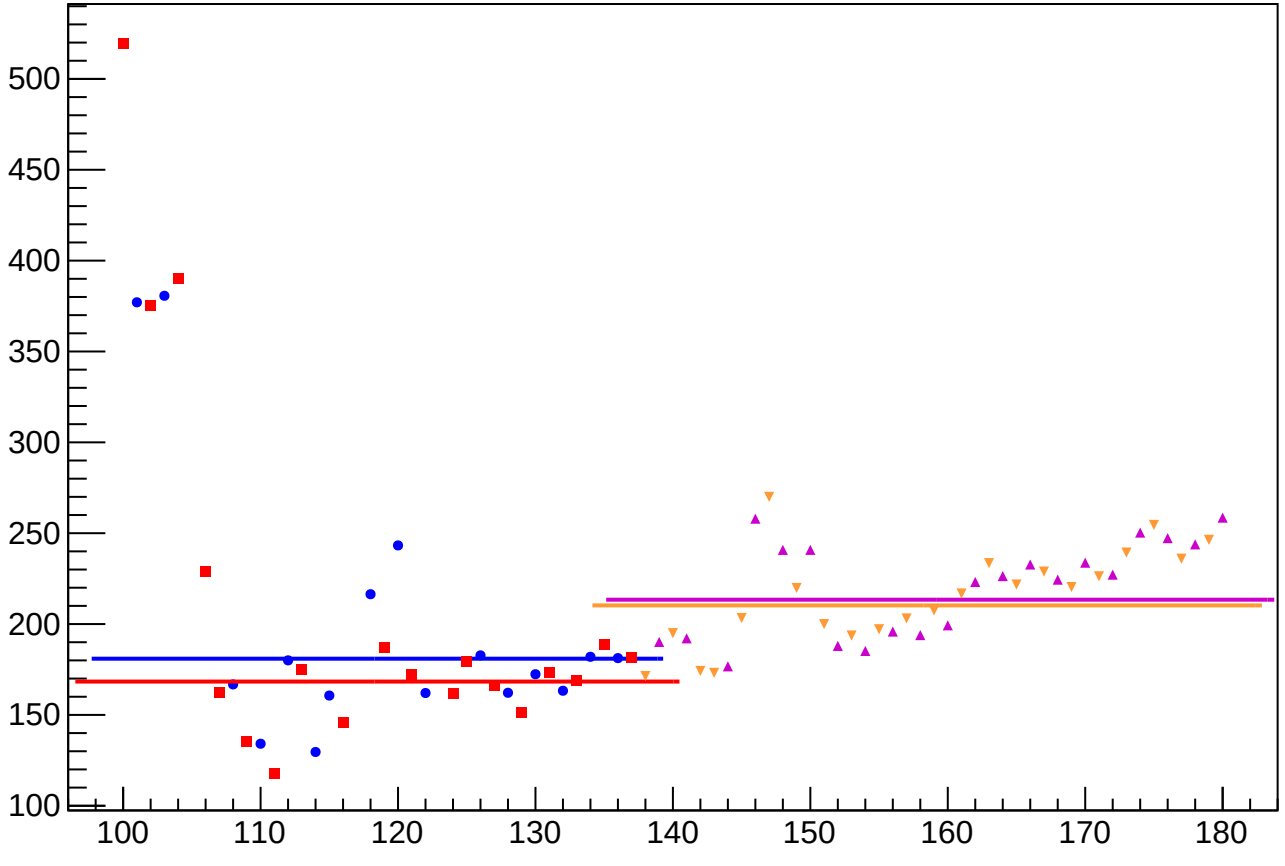
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147664.645+/-0.042 χ^2/NDF:20324598817.6/3

Out: 148282.088+/-0.041 χ^2/NDF:21154636516.6/

All: 147986.978+/-0.029 χ^2/NDF: 41590173

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 213.406+/-0.037 χ^2/NDF:506868.1/20

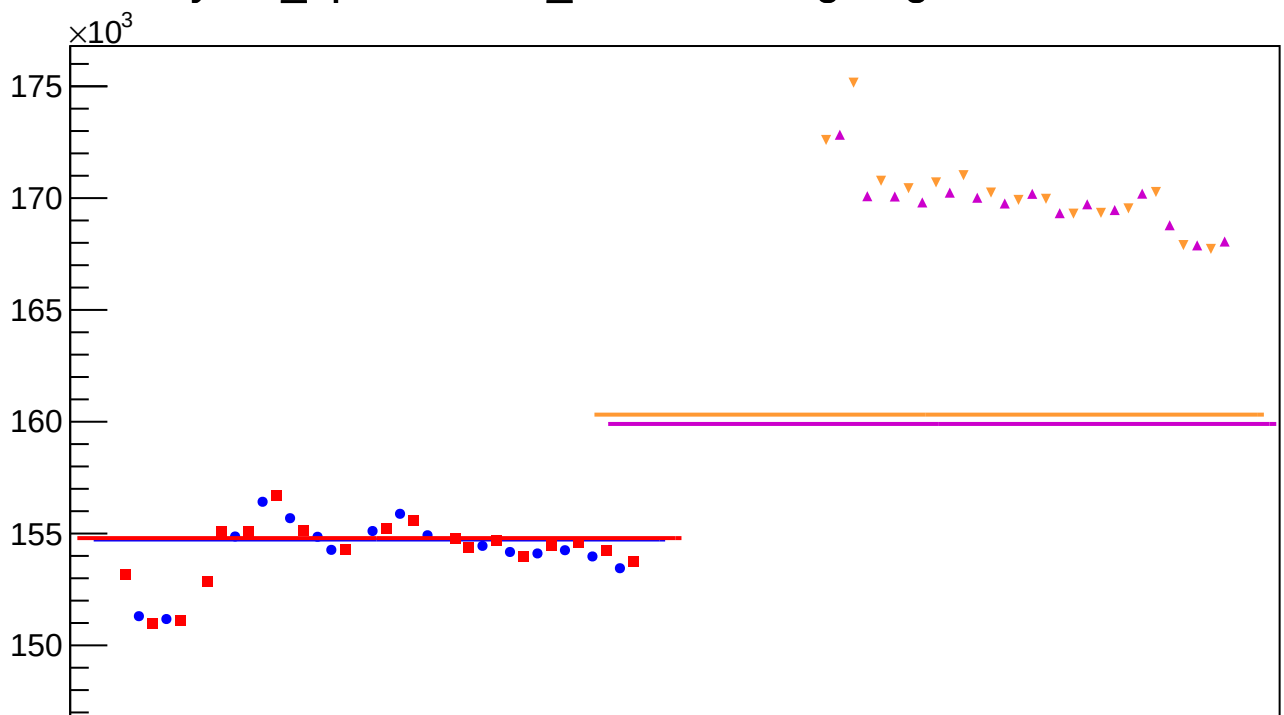
Left: 211.807+/-0.026 χ^2/NDF: 988911.1/42

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 202.360+/-0.030 χ^2/NDF:1678430.6/36

Out: 194.777+/-0.029 χ^2/NDF:2066129.6/40

All: 198.401+/-0.021 χ^2/NDF: 3778027.7/77



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160317.900+/-0.049 χ^2/NDF:73107932782.5/21

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159901.044+/-0.050 χ^2/NDF:65920304712.1/20

Left: 160115.729+/-0.035 χ^2/NDF: 139063832361.

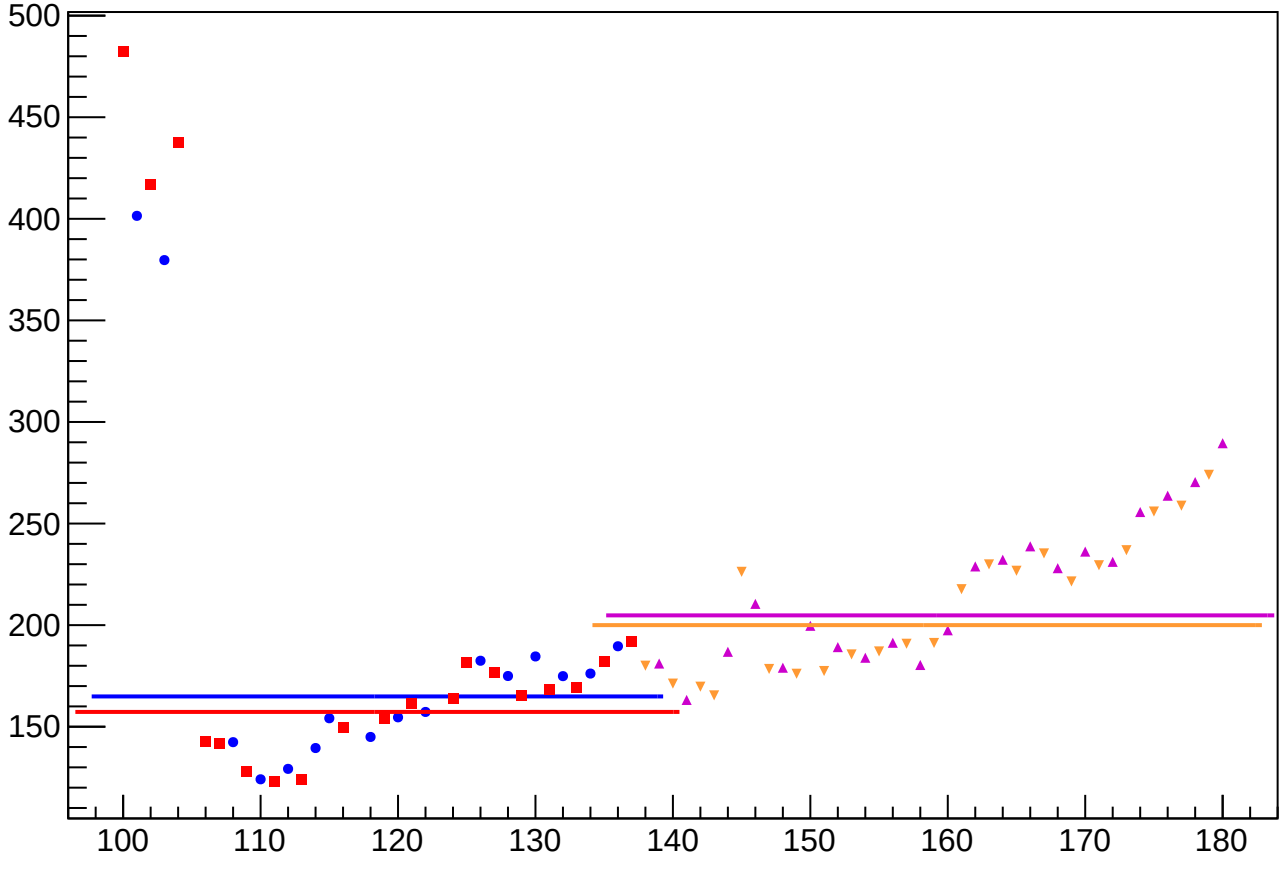
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157980.291+/-0.040 χ^2/NDF:70142816309.5/3

Out: 158173.394+/-0.038 χ^2/NDF:78413649667.5

All: 158081.039+/-0.027 χ^2/NDF: 14856878

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 200.005+/-0.034 χ^2/NDF:742303.9/21

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 204.806+/-0.035 χ^2/NDF:779305.9/20

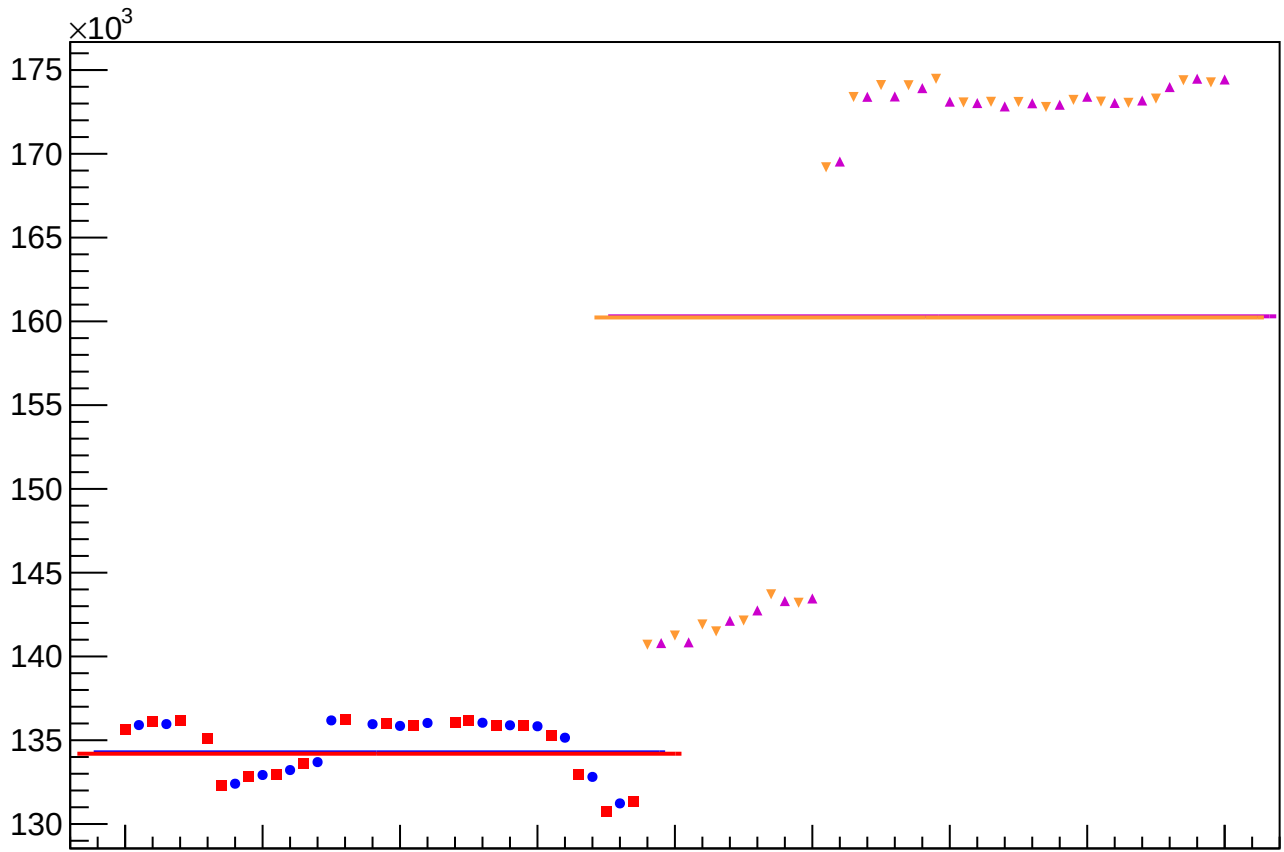
Left: 202.334+/-0.025 χ^2/NDF: 1531051.2/42

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 189.977+/-0.028 χ^2/NDF:2322715.2/36

Out: 183.414+/-0.027 χ^2/NDF:2595900.8/40

All: 186.553+/-0.019 χ^2/NDF: 4947063.2/77



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160232.337+/-0.050 χ^2/NDF:95751128432.8/21

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 160300.296+/-0.051 χ^2/NDF:88331524992.5/20

Left: 160265.157+/-0.036 χ^2/NDF: 184083561442.

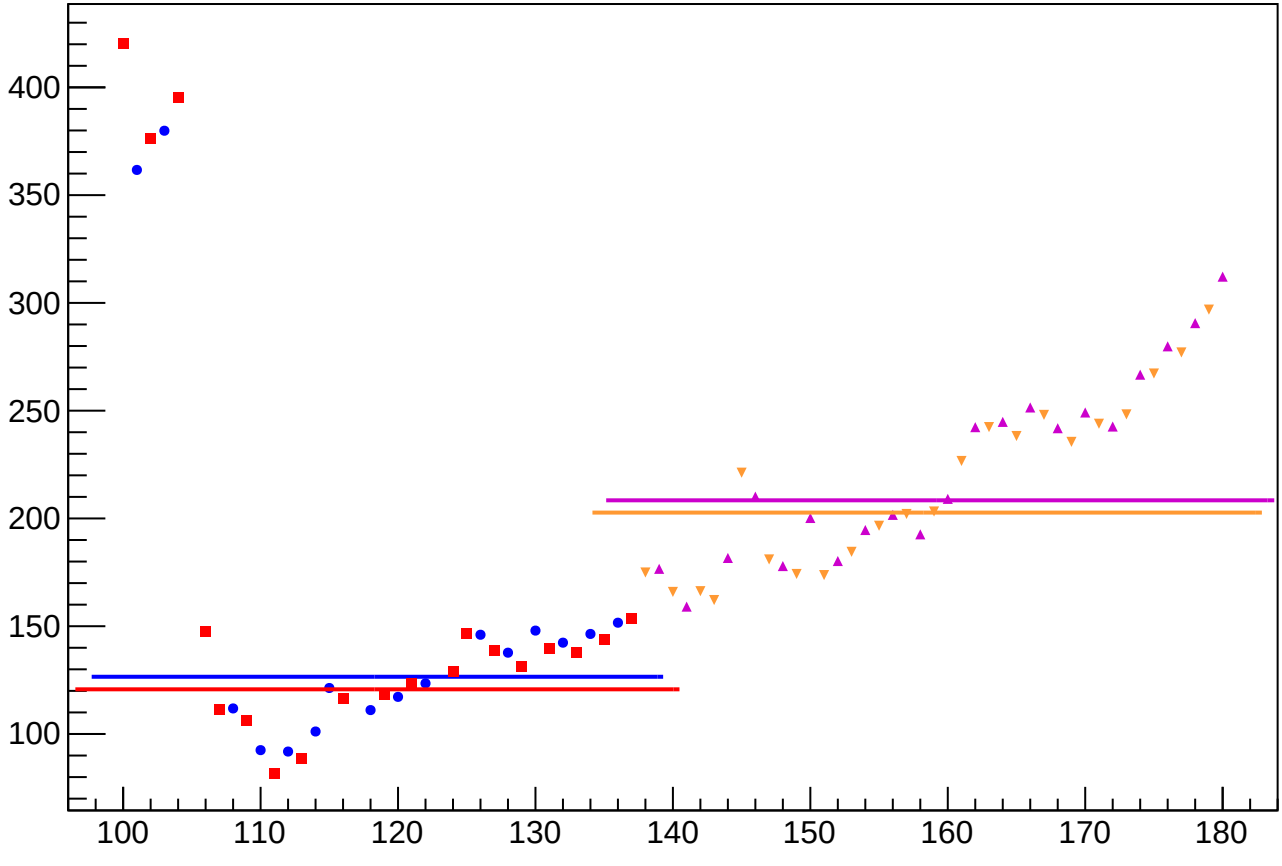
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 147171.565+/-0.036 χ^2/NDF:219387848420.6

Out: 146790.211+/-0.034 χ^2/NDF:239442785171.

All: 146972.088+/-0.025 χ^2/NDF: 45888900

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 202.716+/-0.035 χ^2/NDF:1051490.8/21

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 208.411+/-0.036 χ^2/NDF:1070992.0/20

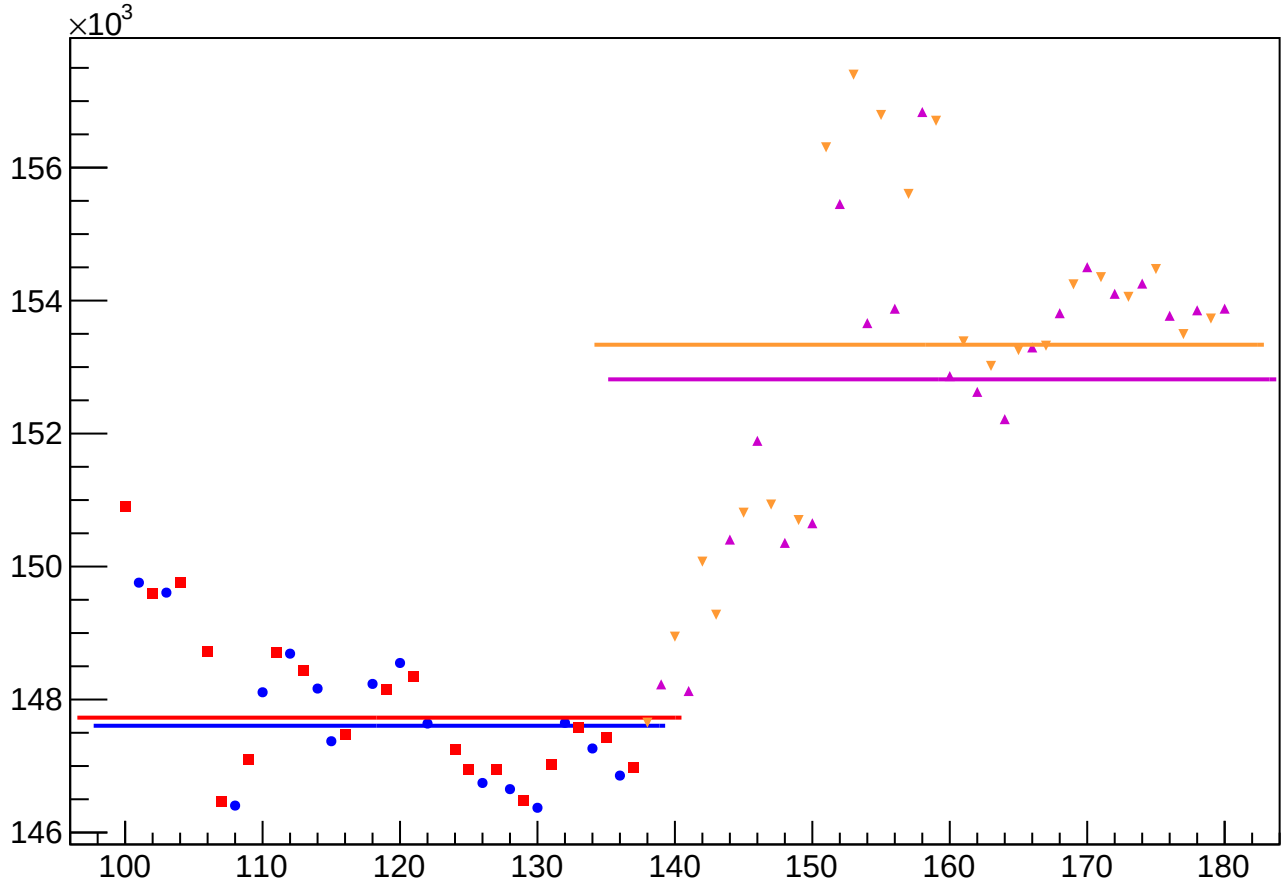
Left: 205.466+/-0.025 χ^2/NDF: 2135236.3/42

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 167.114+/-0.026 χ^2/NDF:5119261.1/36

Out: 160.386+/-0.024 χ^2/NDF:5510208.9/40

All: 163.595+/-0.018 χ^2/NDF: 10665813.0/77



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153336.266+/-0.052 χ^2/NDF:2978089555.5/21

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152815.400+/-0.054 χ^2/NDF:1911458258.2/20

Left: 153082.596+/-0.037 χ^2/NDF: 4937846392.3/4

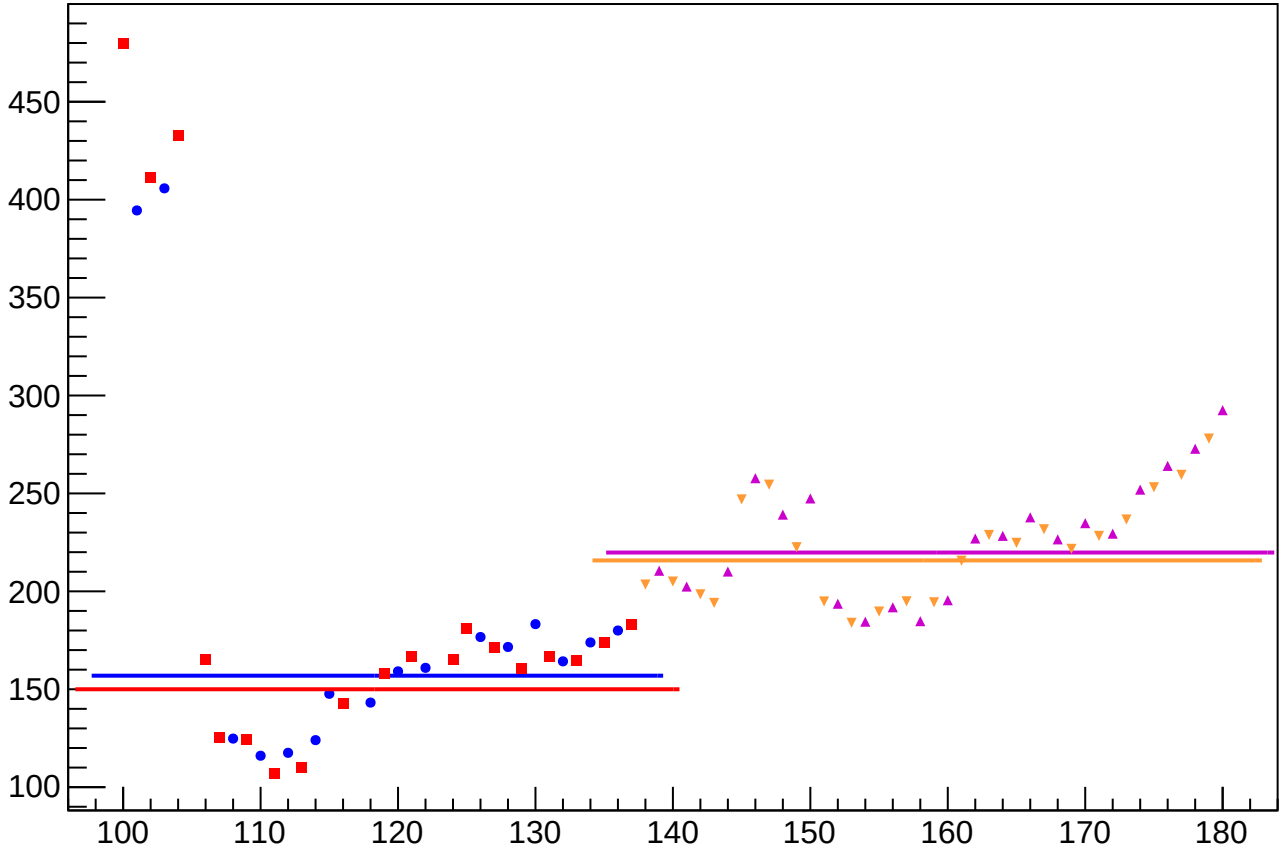
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150602.695+/-0.041 χ^2/NDF:6112529291.2/36

Out: 150864.984+/-0.039 χ^2/NDF:8239531790.8/4

All: 150739.081+/-0.028 χ^2/NDF: 14373640

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 215.791+/-0.037 χ^2/NDF:434890.3/21

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 219.810+/-0.038 χ^2/NDF:564715.4/20

Left: 217.748+/-0.026 χ^2/NDF: 1005358.2/42

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 193.102+/-0.029 χ^2/NDF:2996158.3/36

Out: 186.799+/-0.028 χ^2/NDF:3283383.3/40

All: 189.825+/-0.020 χ^2/NDF: 6304465.3/77

Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 167031.182+/-0.050 χ^2/NDF:54510583815.3/20

Left: 167023.706+/-0.034 χ^2/NDF: 112902507920.

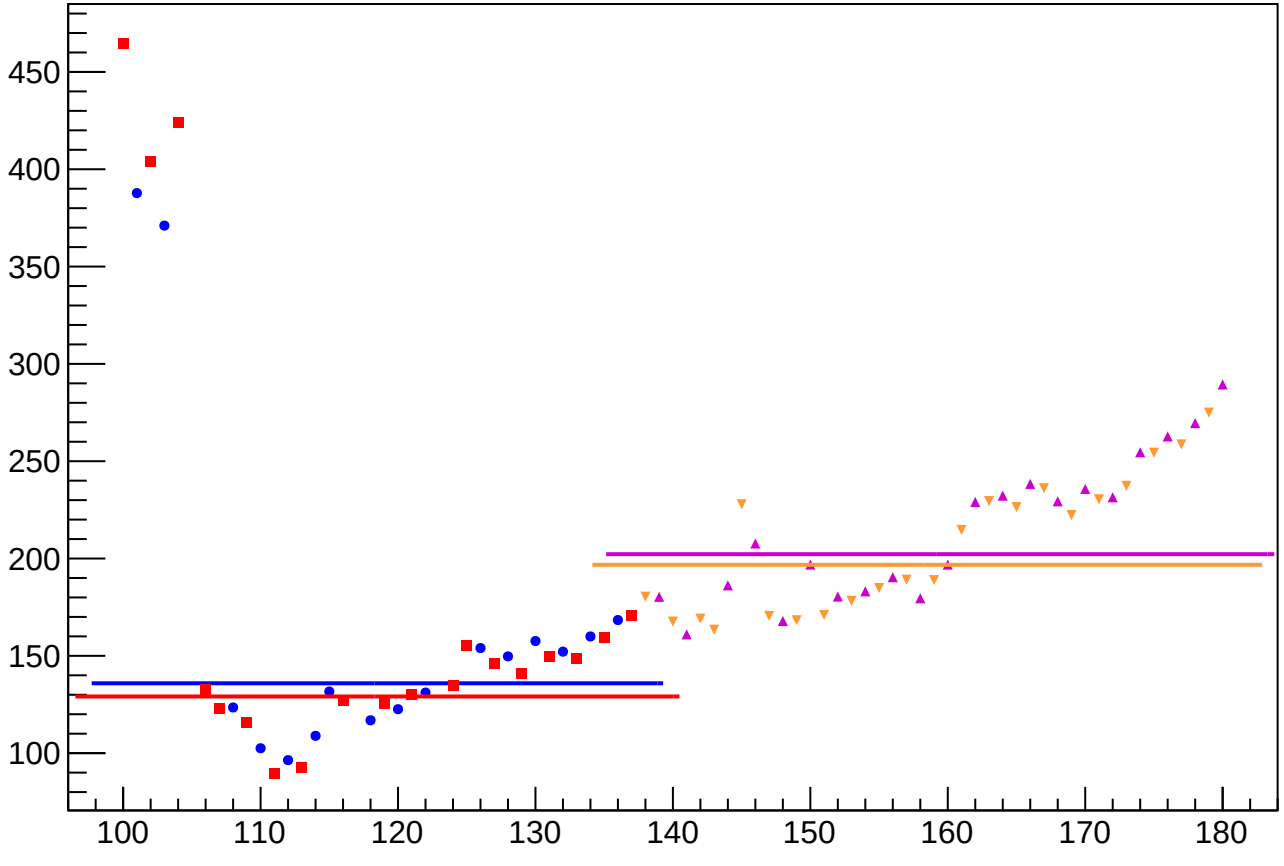
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159592.646+/-0.037 χ^2/NDF:104560715415.9

Out: 159298.267+/-0.035 χ^2/NDF:113900490574.

All: 159438.094+/-0.025 χ^2/NDF: 21849496

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 202.228+/-0.035 χ^2/NDF:860171.7/20

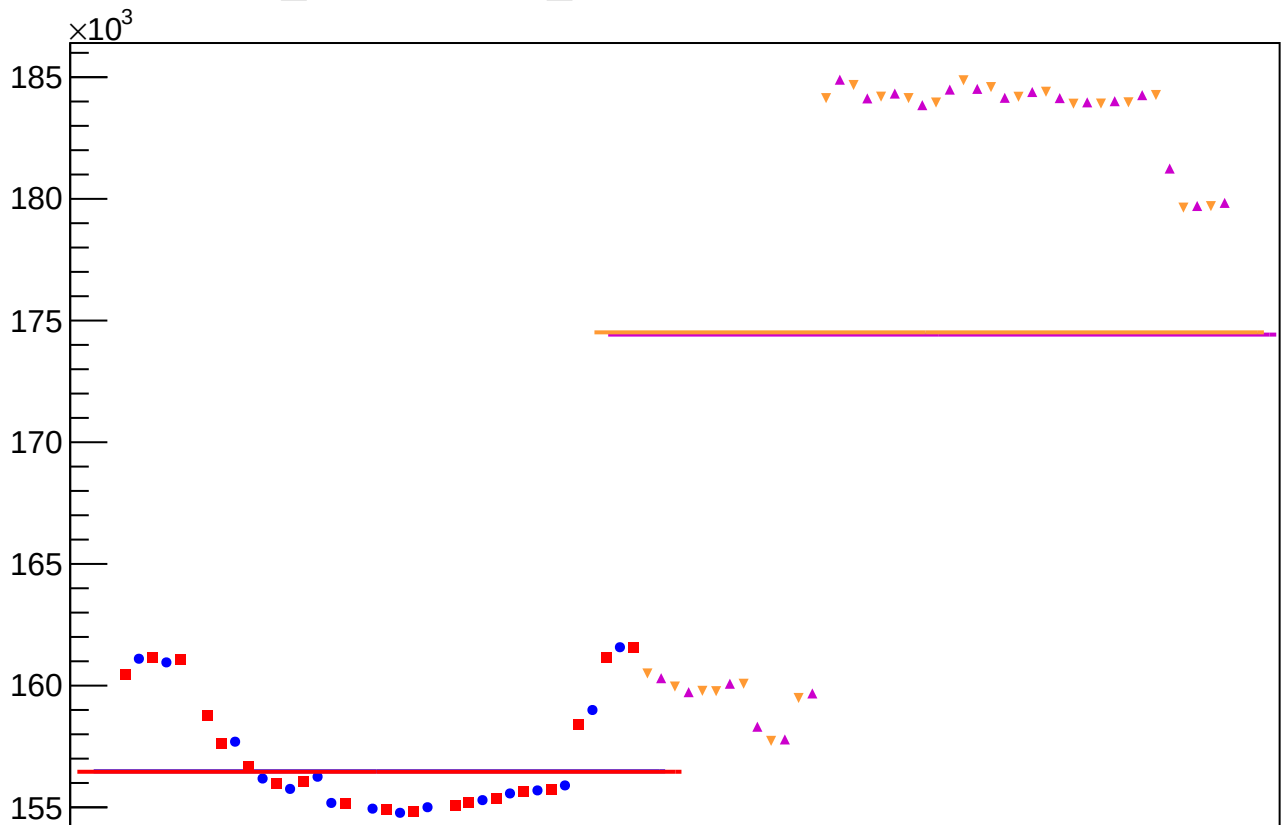
Left: 199.402+/-0.024 χ^2/NDF: 1729367.7/42

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 172.256+/-0.026 χ^2/NDF:3893904.3/36

Out: 165.039+/-0.025 χ^2/NDF:4339733.1/40

All: 168.467+/-0.018 χ^2/NDF: 8274217.9/77



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174515.117+/-0.049 χ^2/NDF:57571903463.0/21

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 174422.895+/-0.051 χ^2/NDF:54479522538.9/20

Left: 174470.481+/-0.036 χ^2/NDF: 112053106485.

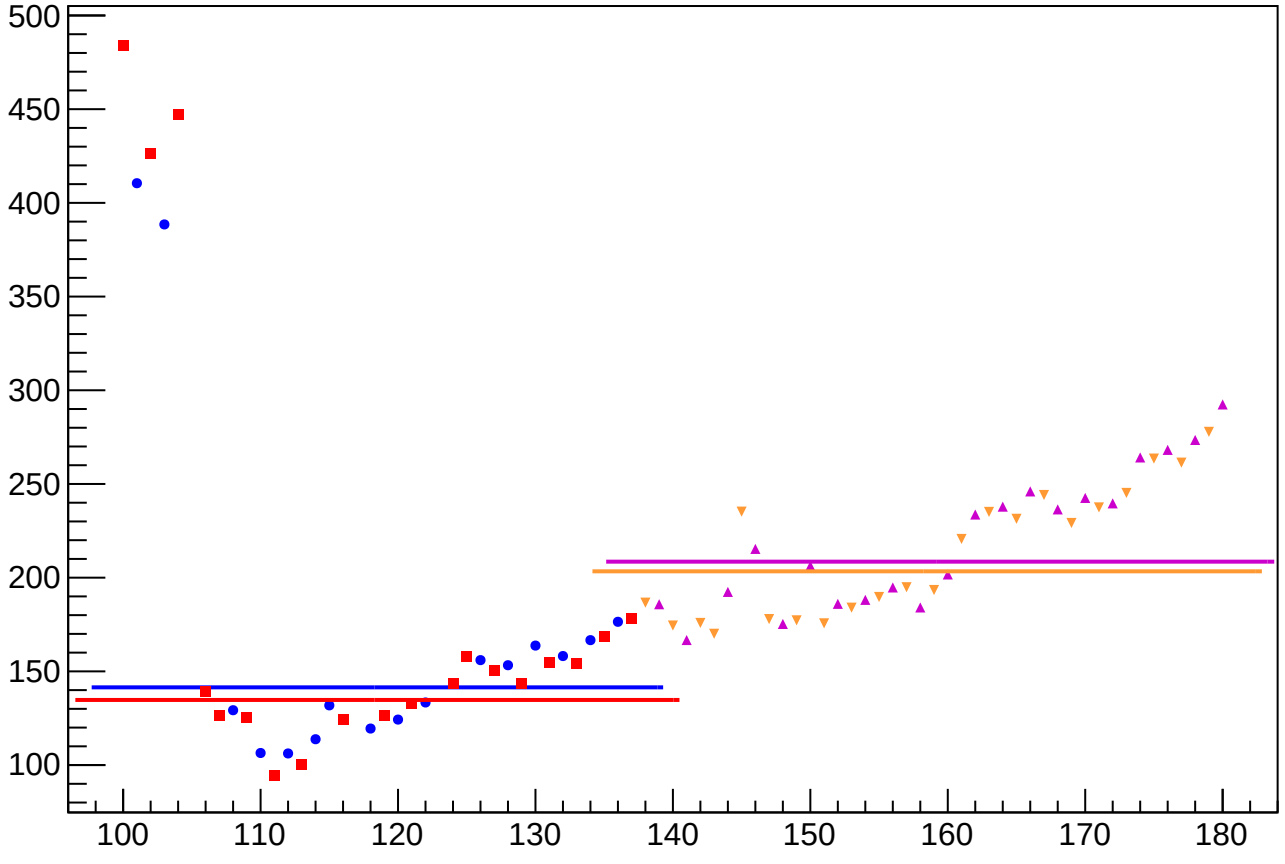
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166397.718+/-0.038 χ^2/NDF:110914103076.9

Out: 166126.338+/-0.036 χ^2/NDF:120503234880.

All: 166255.519+/-0.026 χ^2/NDF: 23144407

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 203.386+/-0.035 χ^2/NDF:799390.3/21

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 208.544+/-0.036 χ^2/NDF:821209.5/20

Left: 205.882+/-0.025 χ^2/NDF: 1631115.1/42

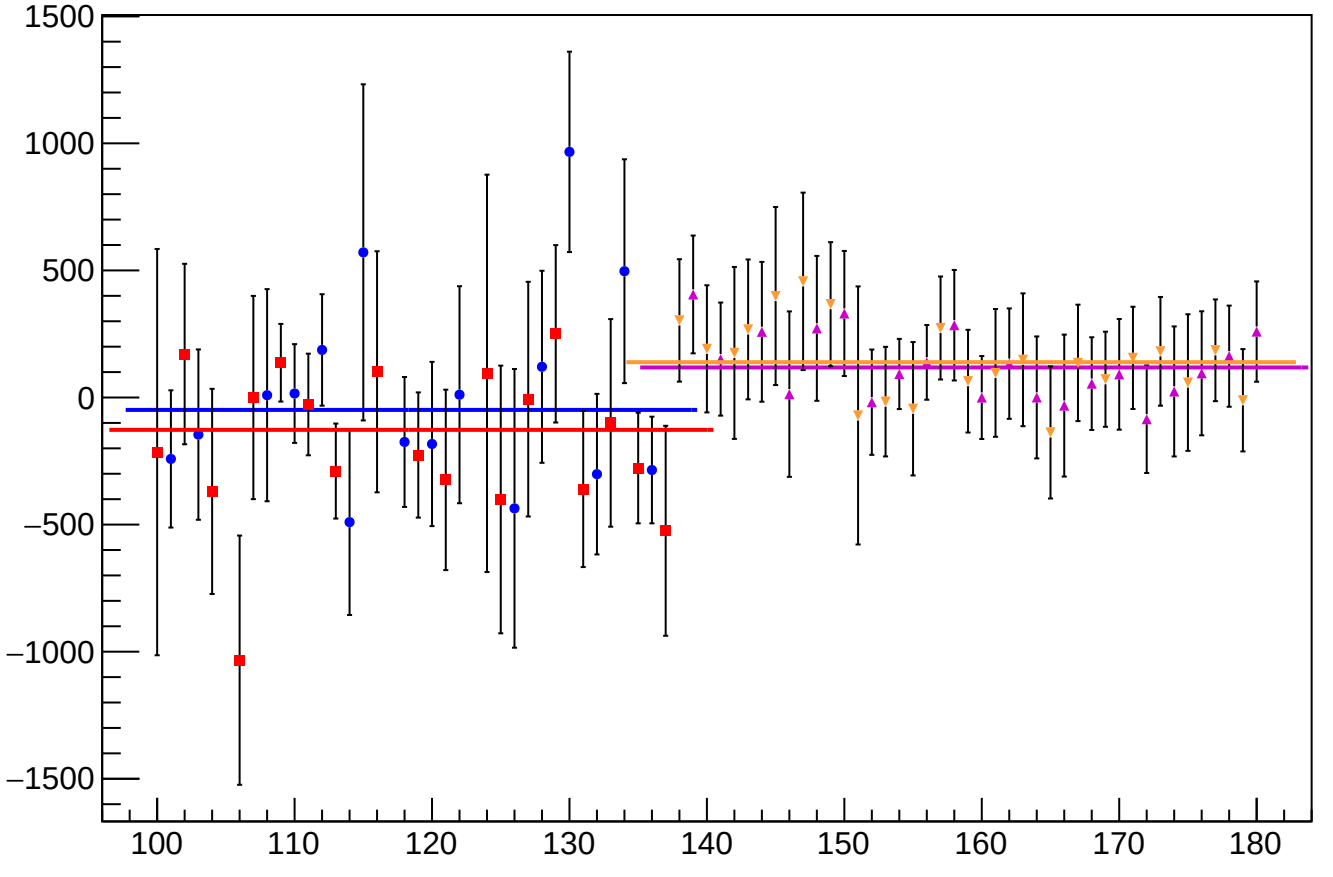
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 178.547+/-0.027 χ^2/NDF:3754053.0/36

Out: 171.493+/-0.026 χ^2/NDF:4165790.5/40

All: 174.851+/-0.019 χ^2/NDF: 7955967.6/77

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 118.188+/-45.690 χ^2/NDF:6.9/20

Left: 127.412+/-34.117 χ^2/NDF: 13.7/42

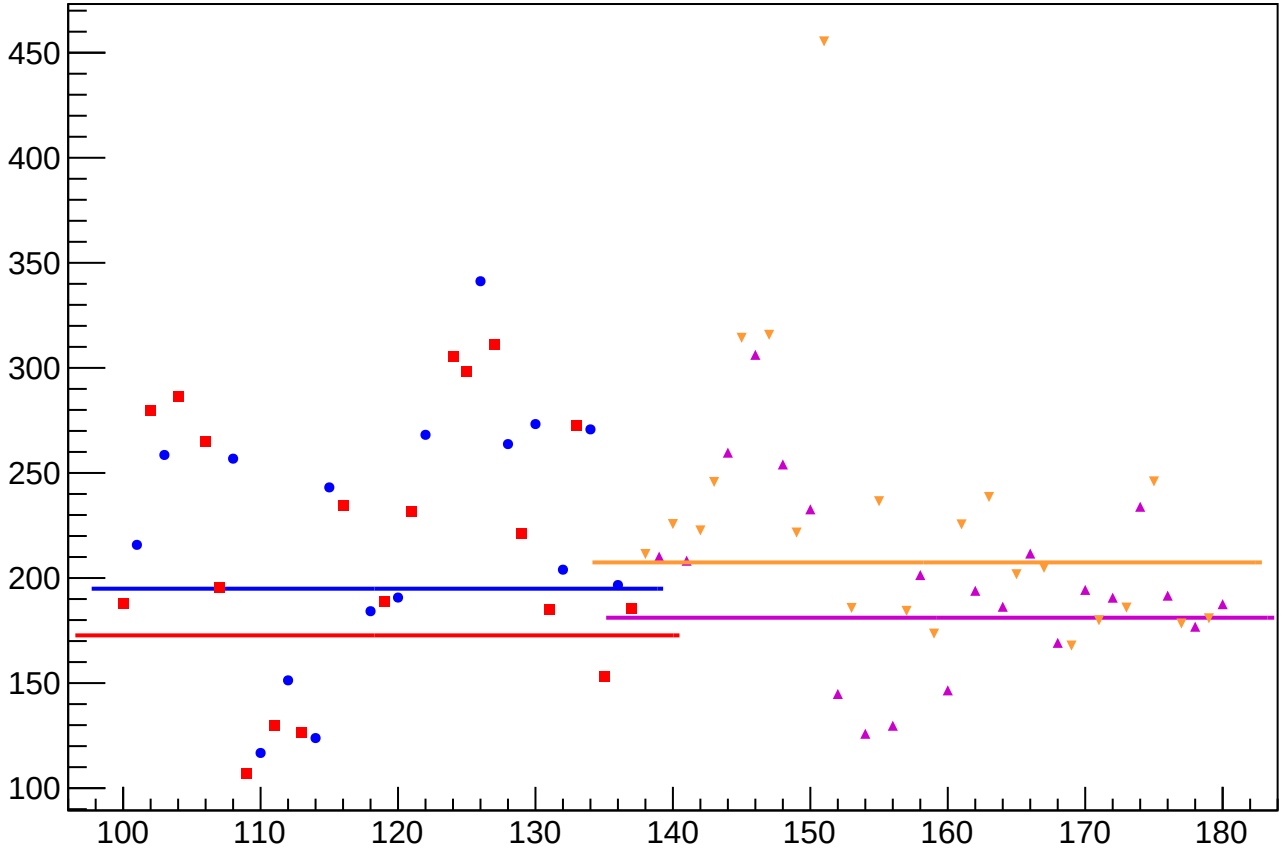
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 74.374+/-39.238 χ^2/NDF:25.8/36

Out: 43.382+/-41.059 χ^2/NDF:29.3/40

All: 59.581+/-28.368 χ^2/NDF: 55.4/77

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

Left: 192.754+/-0.024 χ^2/NDF: 3258515.9/42

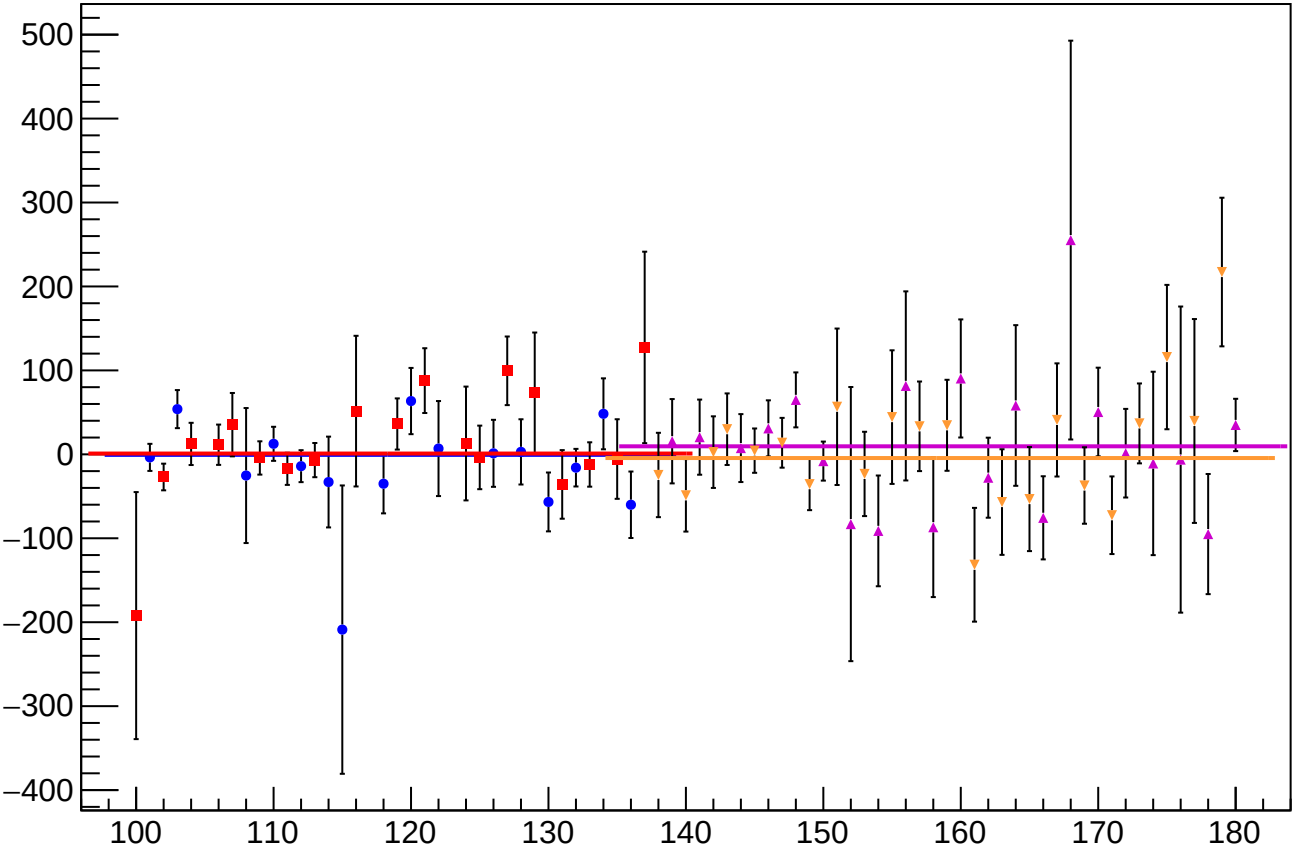
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.735+/-0.028 χ^2/NDF:2692515.2/36

Out: 194.956+/-0.029 χ^2/NDF:3309891.6/40

All: 189.614+/-0.020 χ^2/NDF: 6067183.1/77

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.416+/-10.164 χ^2/NDF:22.4/21

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 9.562+/-10.594 χ^2/NDF:18.0/20

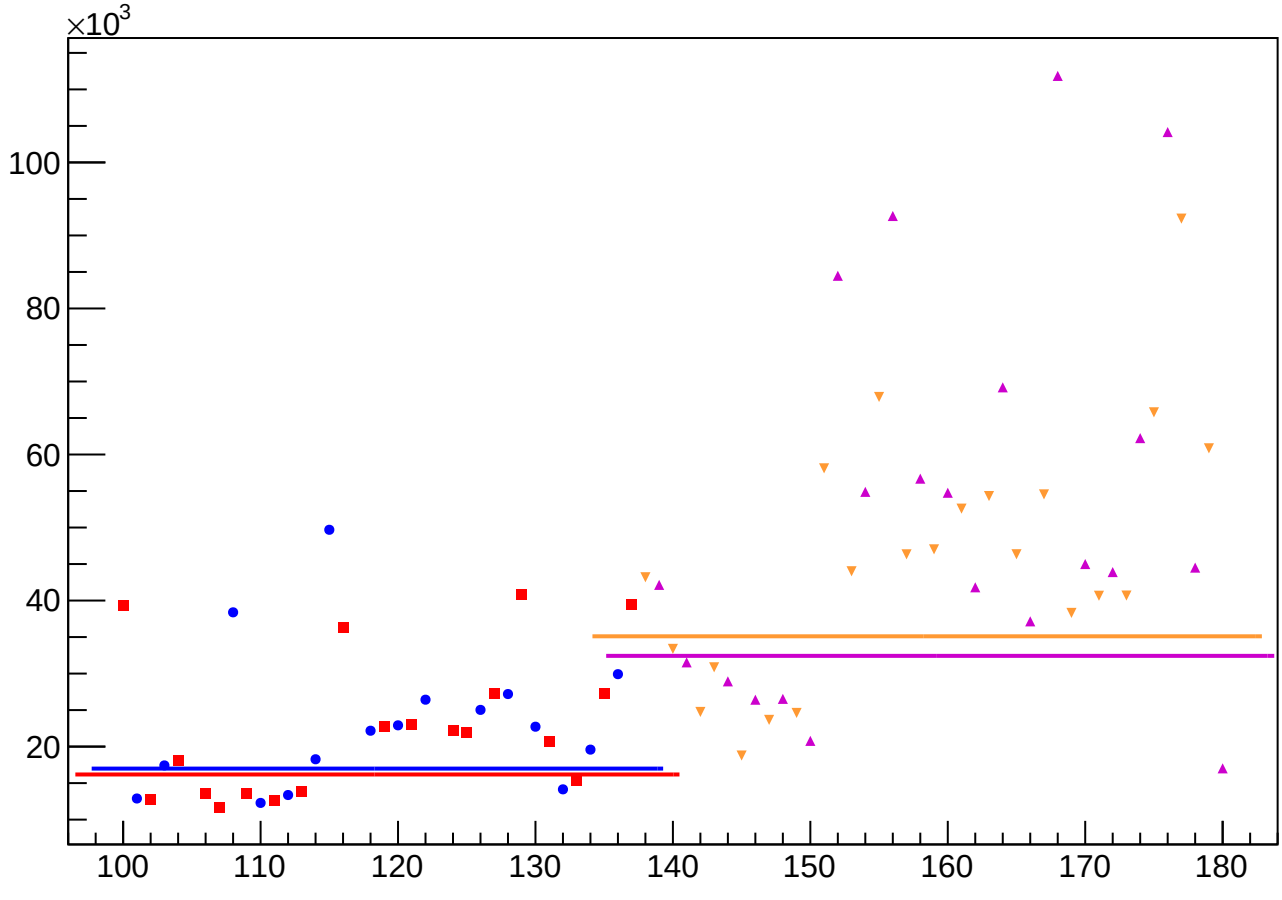
Left: 2.283+/-7.334 χ^2/NDF: 41.4/42

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.680+/-6.034 χ^2/NDF:37.5/36

Out: -0.707+/-5.633 χ^2/NDF:45.7/40

All: 0.870+/-4.117 χ^2/NDF: 83.4/77



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 35104.250+/-7.187 χ^2/NDF:3678878.2/21

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 32426.270+/-7.492 χ^2/NDF:3925934.9/20

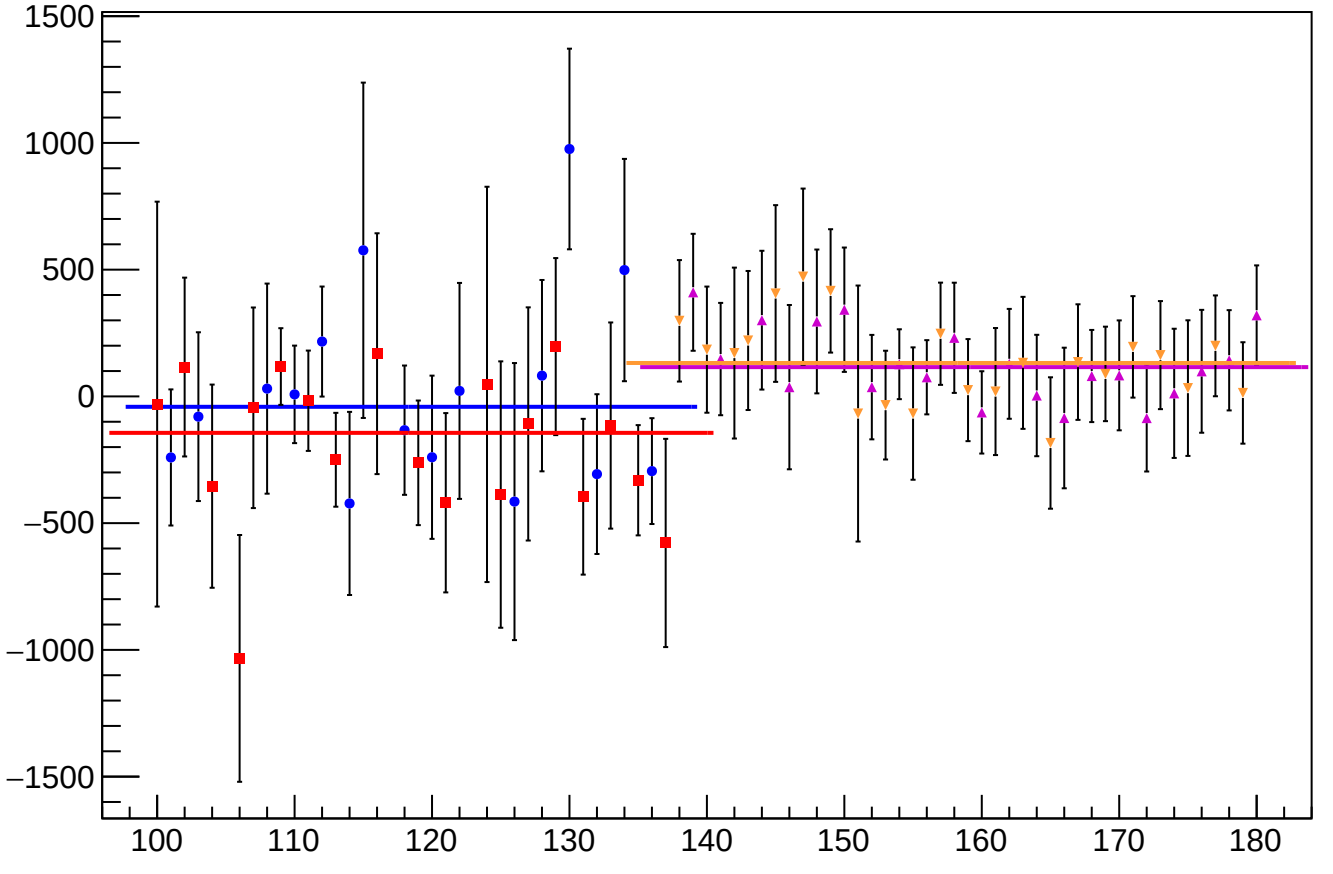
Left: 33820.816+/-5.186 χ^2/NDF: 7671355.6/42

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21994.030+/-4.266 χ^2/NDF:7990020.0/36

Out: 21993.662+/-3.983 χ^2/NDF:9733399.2/40

All: 21993.833+/-2.911 χ^2/NDF: 17723419.2/



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 131.858+/-51.068 χ^2/NDF:8.0/21

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 115.487+/-45.520 χ^2/NDF:8.1/20

Left: 122.735+/-33.980 χ^2/NDF: 16.2/42

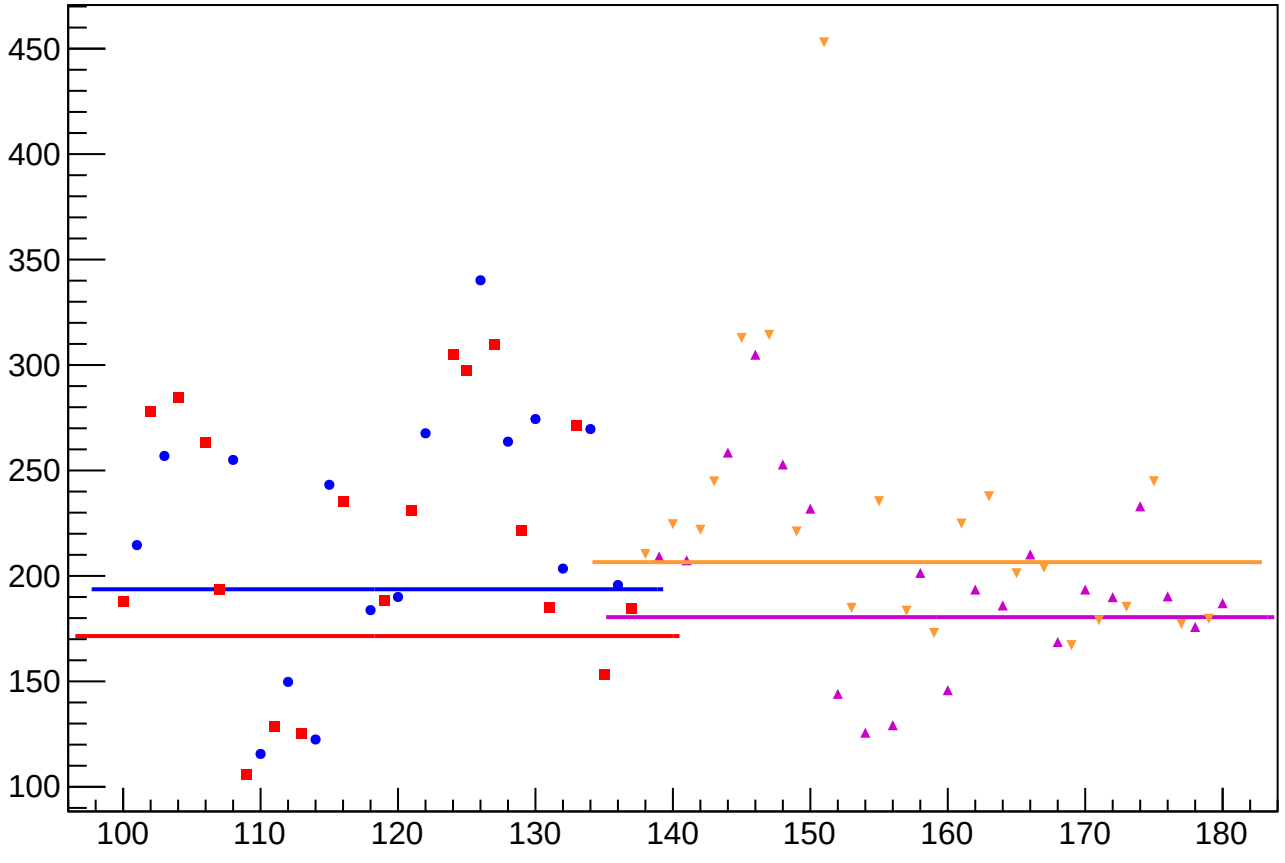
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 74.283+/-39.073 χ^2/NDF:26.7/36

Out: 32.594+/-40.852 χ^2/NDF:31.5/40

All: 54.366+/-28.237 χ^2/NDF: 58.8/77

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 206.524+/-0.036 χ^2/NDF:1350394.2/21

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 180.453+/-0.032 χ^2/NDF:1612049.6/20

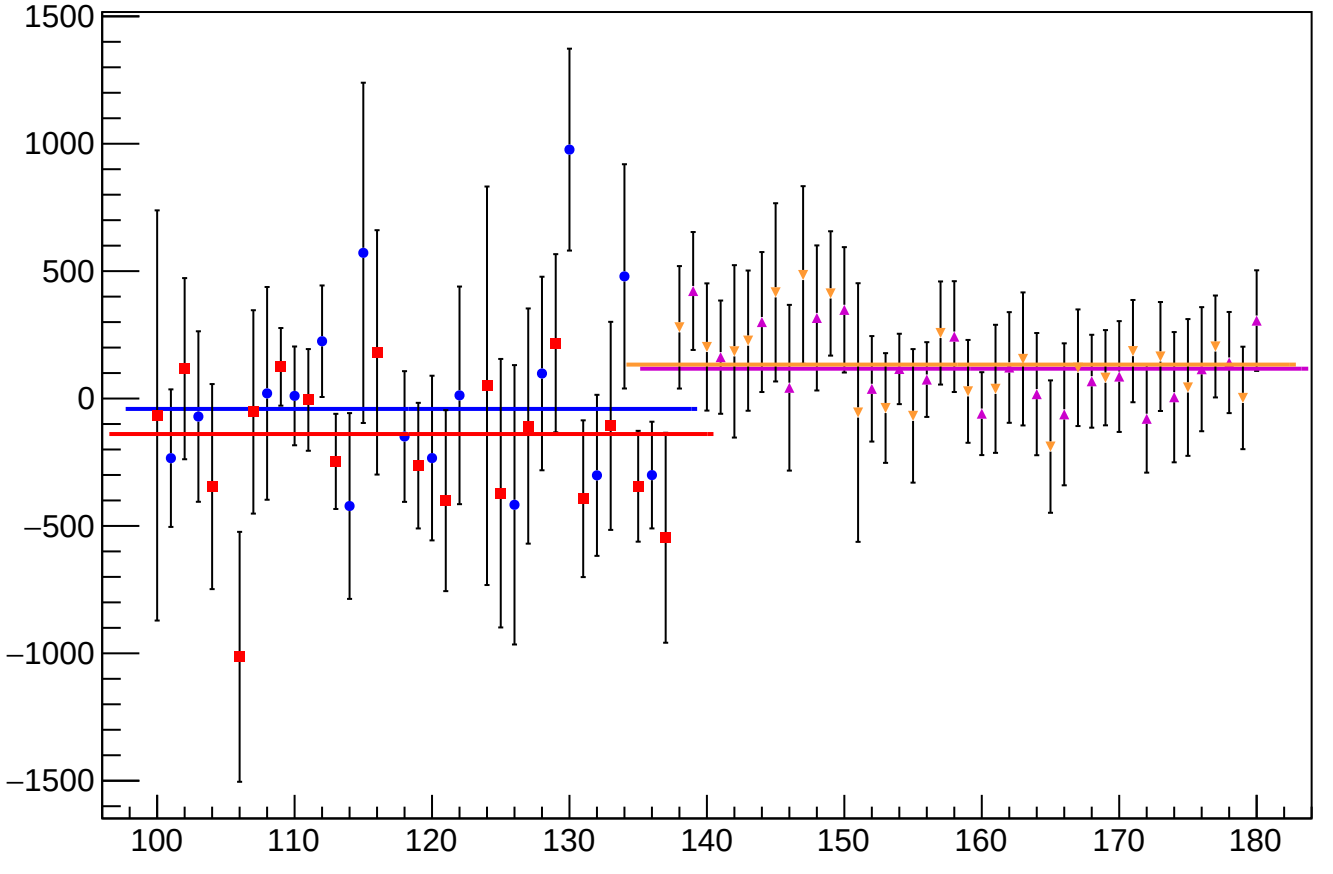
Left: 191.996+/-0.024 χ^2/NDF: 3252901.1/42

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 183.932+/-0.028 χ^2/NDF:2706206.6/36

Out: 193.907+/-0.029 χ^2/NDF:3342419.7/40

All: 188.697+/-0.020 χ^2/NDF: 6110895.4/77



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 133.203+/-51.242 χ^2/NDF:8.1/21

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 117.063+/-45.647 χ^2/NDF:8.1/20

Left: 124.204+/-34.084 χ^2/NDF: 16.2/42

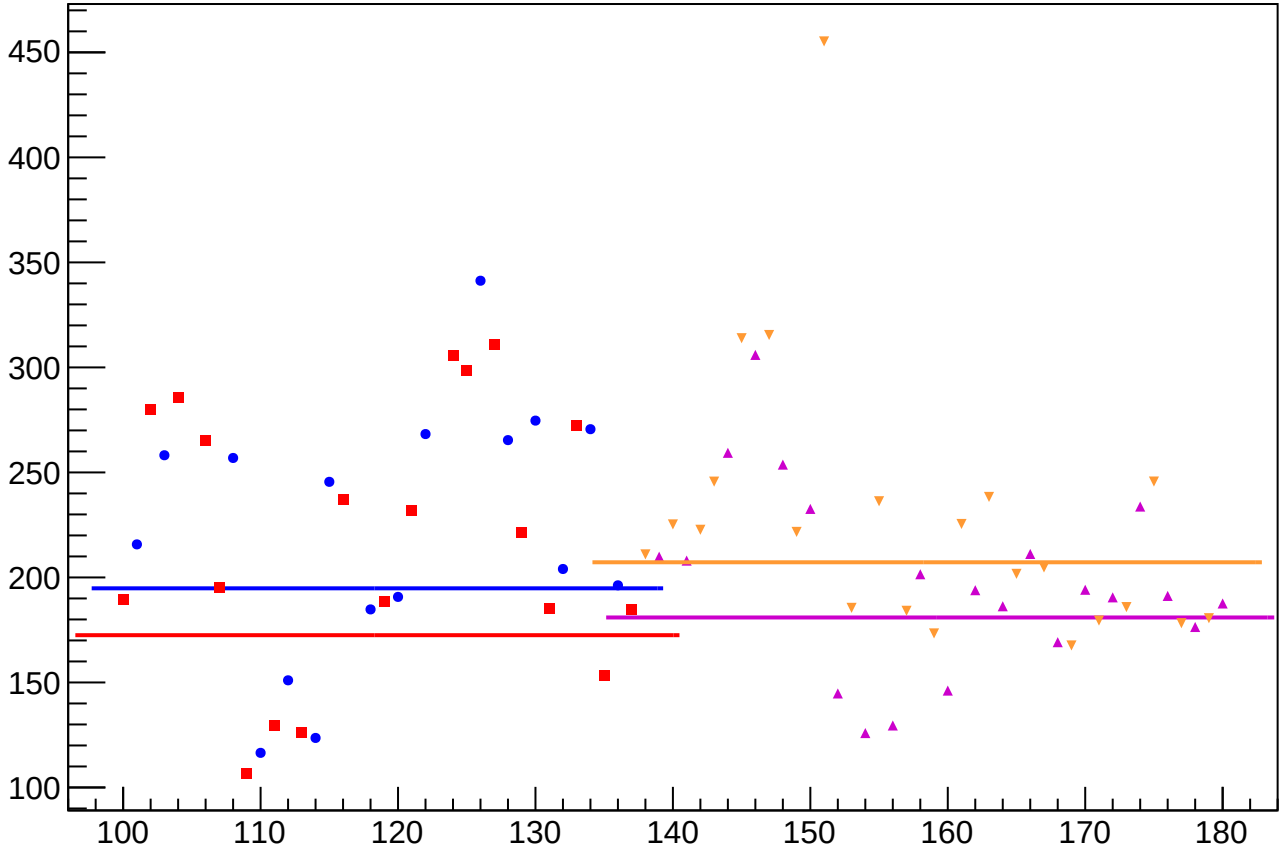
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 75.678+/-39.210 χ^2/NDF:26.6/36

Out: 35.356+/-41.023 χ^2/NDF:31.1/40

All: 56.428+/-28.345 χ^2/NDF: 58.2/77

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 207.219+/-0.036 χ^2/NDF:1350720.0/21

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.939+/-0.032 χ^2/NDF:1616025.4/20

Left: 192.566+/-0.024 χ^2/NDF: 3260042.3/42

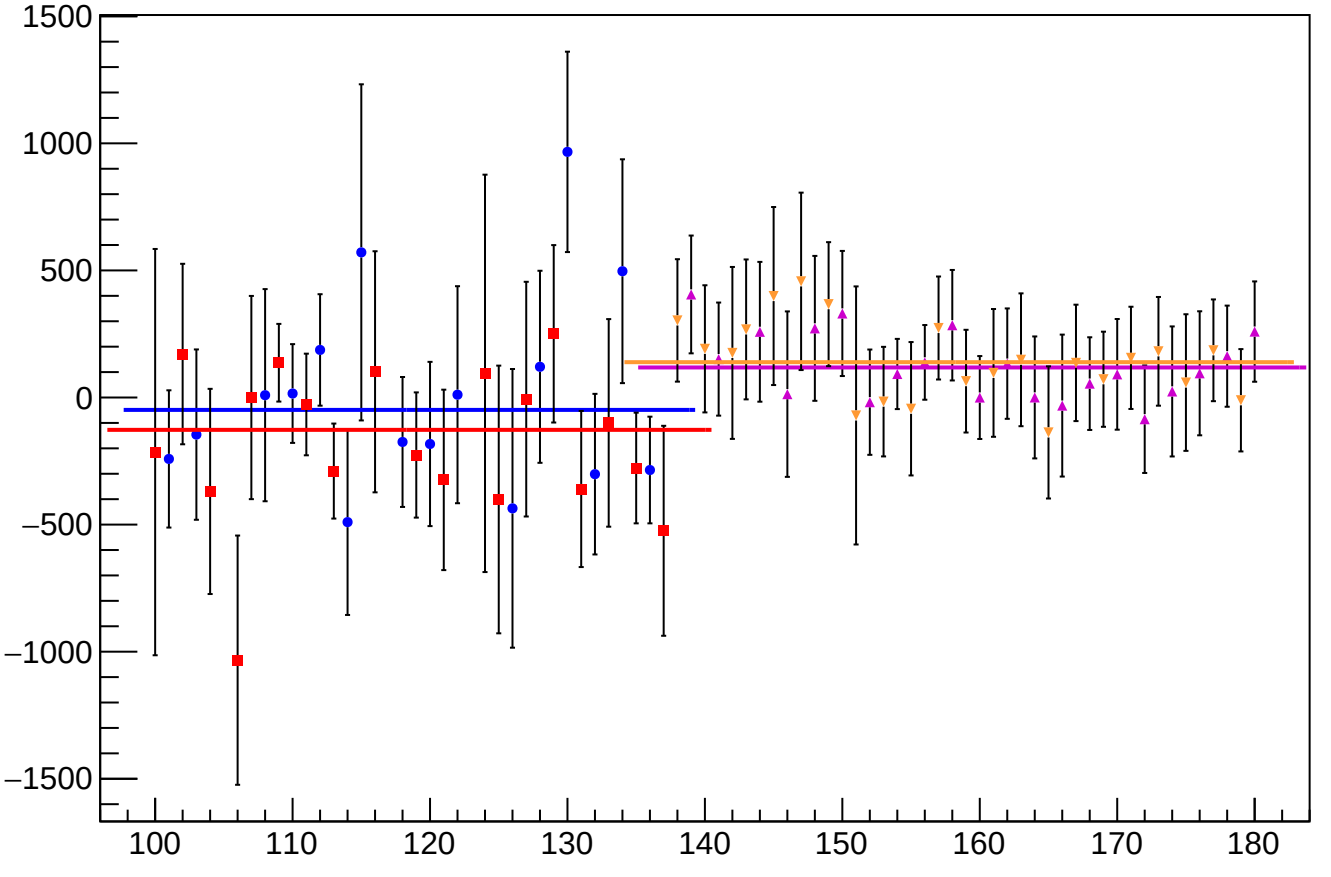
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.578+/-0.028 χ^2/NDF:2703604.4/36

Out: 194.754+/-0.029 χ^2/NDF:3322334.6/40

All: 189.436+/-0.020 χ^2/NDF: 6090256.6/77

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 118.188+/-45.690 χ^2/NDF:6.9/20

Left: 127.412+/-34.117 χ^2/NDF: 13.7/42

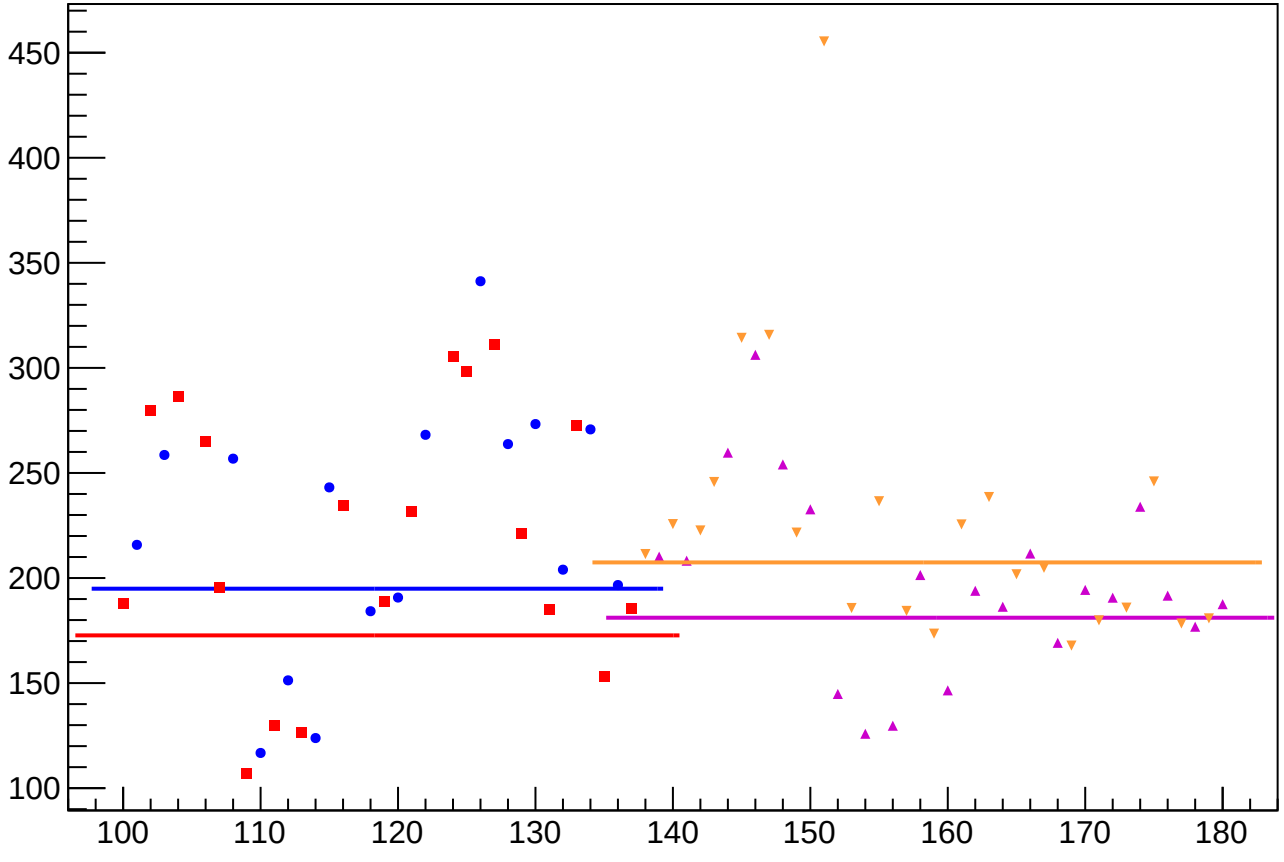
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 74.374+/-39.238 χ^2/NDF:25.8/36

Out: 43.382+/-41.059 χ^2/NDF:29.3/40

All: 59.581+/-28.368 χ^2/NDF: 55.4/77

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 181.110+/-0.032 χ^2/NDF:1615638.2/20

Left: 192.754+/-0.024 χ^2/NDF: 3258515.9/42

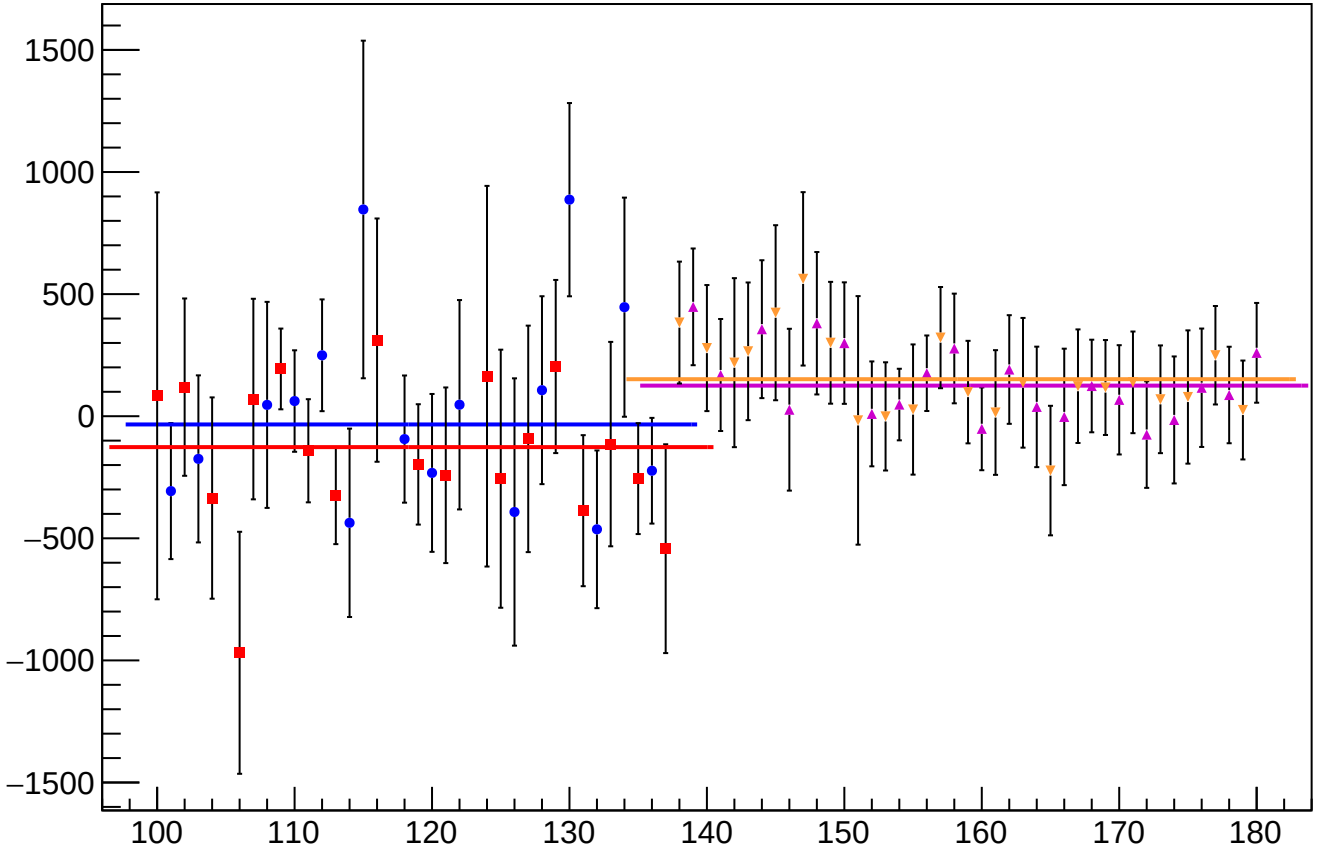
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.735+/-0.028 χ^2/NDF:2692515.2/36

Out: 194.956+/-0.029 χ^2/NDF:3309891.6/40

All: 189.614+/-0.020 χ^2/NDF: 6067183.1/77

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 151.573+/-52.501 χ^2/NDF:8.3/21

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 125.288+/-47.122 χ^2/NDF:8.2/20

Left: 137.016+/-35.068 χ^2/NDF: 16.6/42

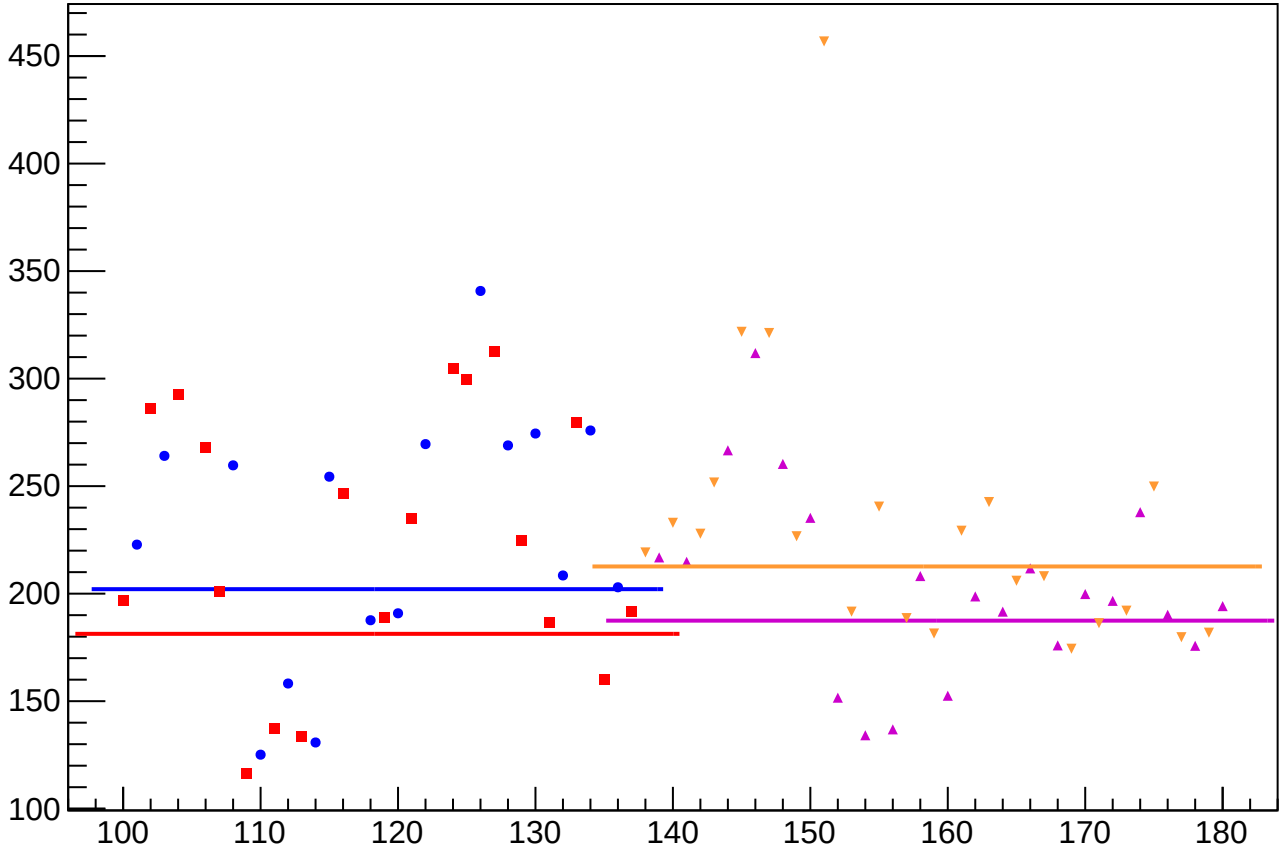
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 83.555+/-40.469 χ^2/NDF:26.9/36

Out: 53.803+/-42.278 χ^2/NDF:30.8/40

All: 69.329+/-29.235 χ^2/NDF: 58.0/77

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 212.646+/-0.037 χ^2/NDF:1305244.7/21

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.451+/-0.033 χ^2/NDF:1455335.2/20

Left: 198.692+/-0.025 χ^2/NDF: 3015679.3/42

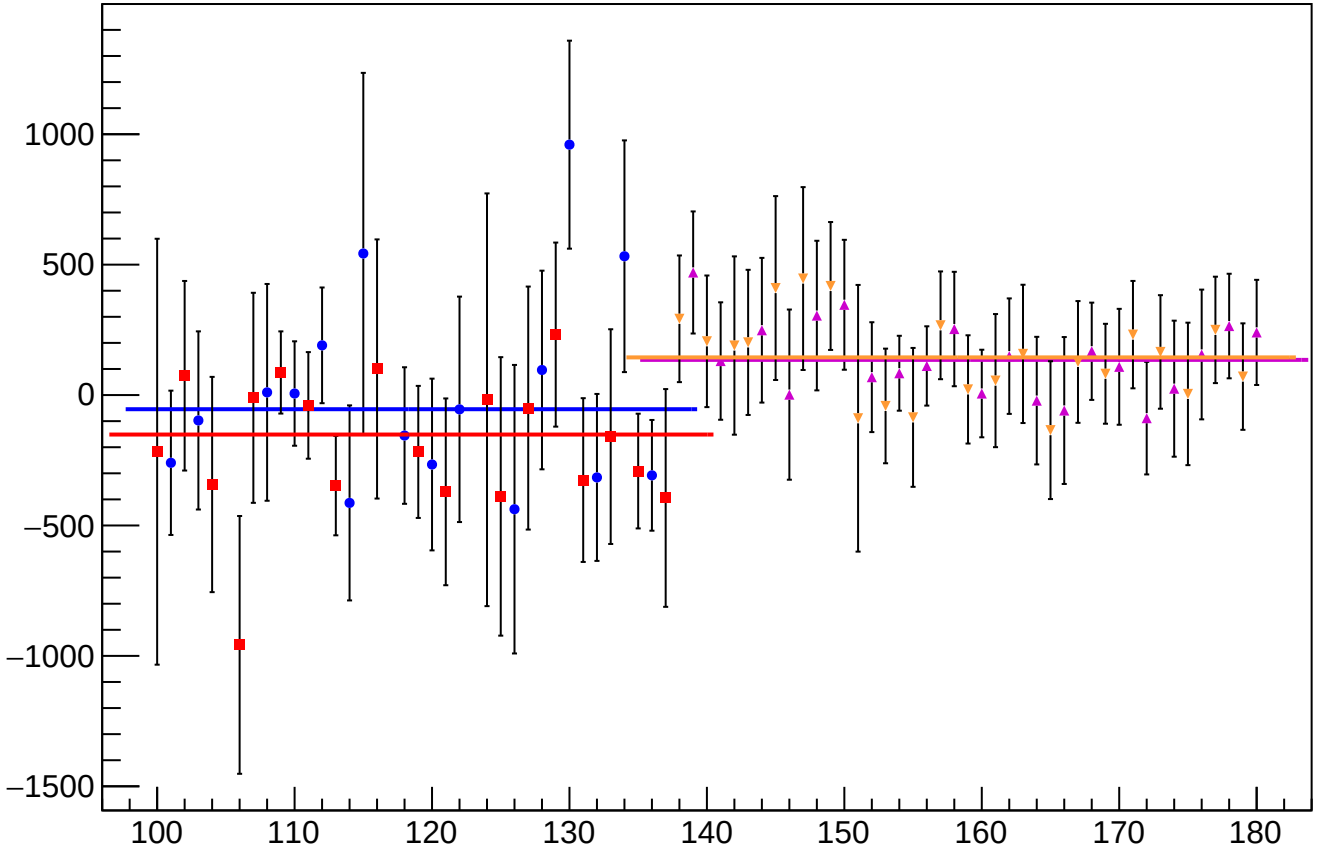
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.293+/-0.029 χ^2/NDF:2416255.2/36

Out: 201.631+/-0.030 χ^2/NDF:2996647.5/40

All: 196.236+/-0.021 χ^2/NDF: 5475317.5/77

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 144.391+/-52.134 χ^2/NDF:7.6/21

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 134.893+/-46.632 χ^2/NDF:7.5/20

Left: 139.114+/-34.757 χ^2/NDF: 15.1/42

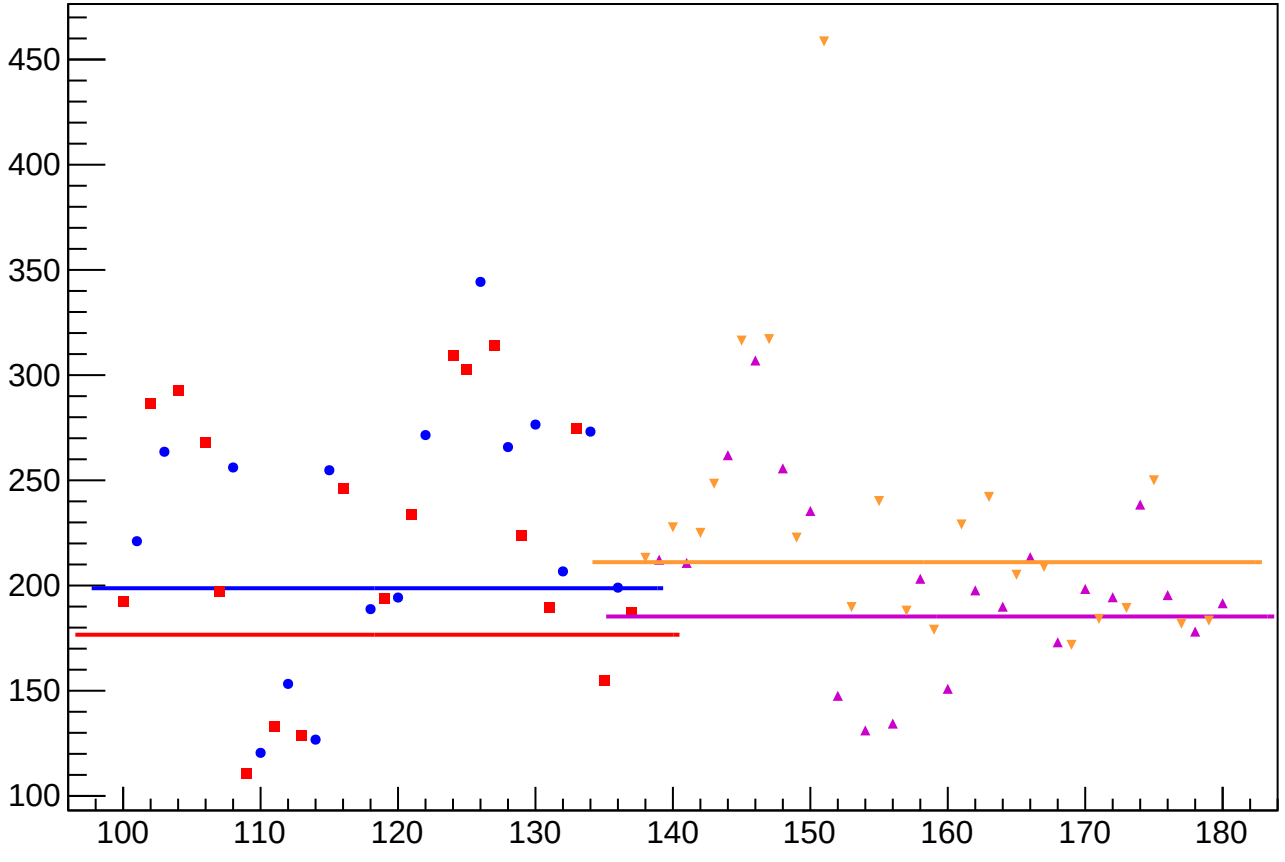
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 85.037+/-40.018 χ^2/NDF:26.9/36

Out: 38.682+/-41.791 χ^2/NDF:29.4/40

All: 62.864+/-28.903 χ^2/NDF: 56.9/77

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 211.101+/-0.037 χ^2/NDF:1293719.6/21

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 185.283+/-0.033 χ^2/NDF:1491744.3/20

Left: 196.758+/-0.025 χ^2/NDF: 3057946.9/42

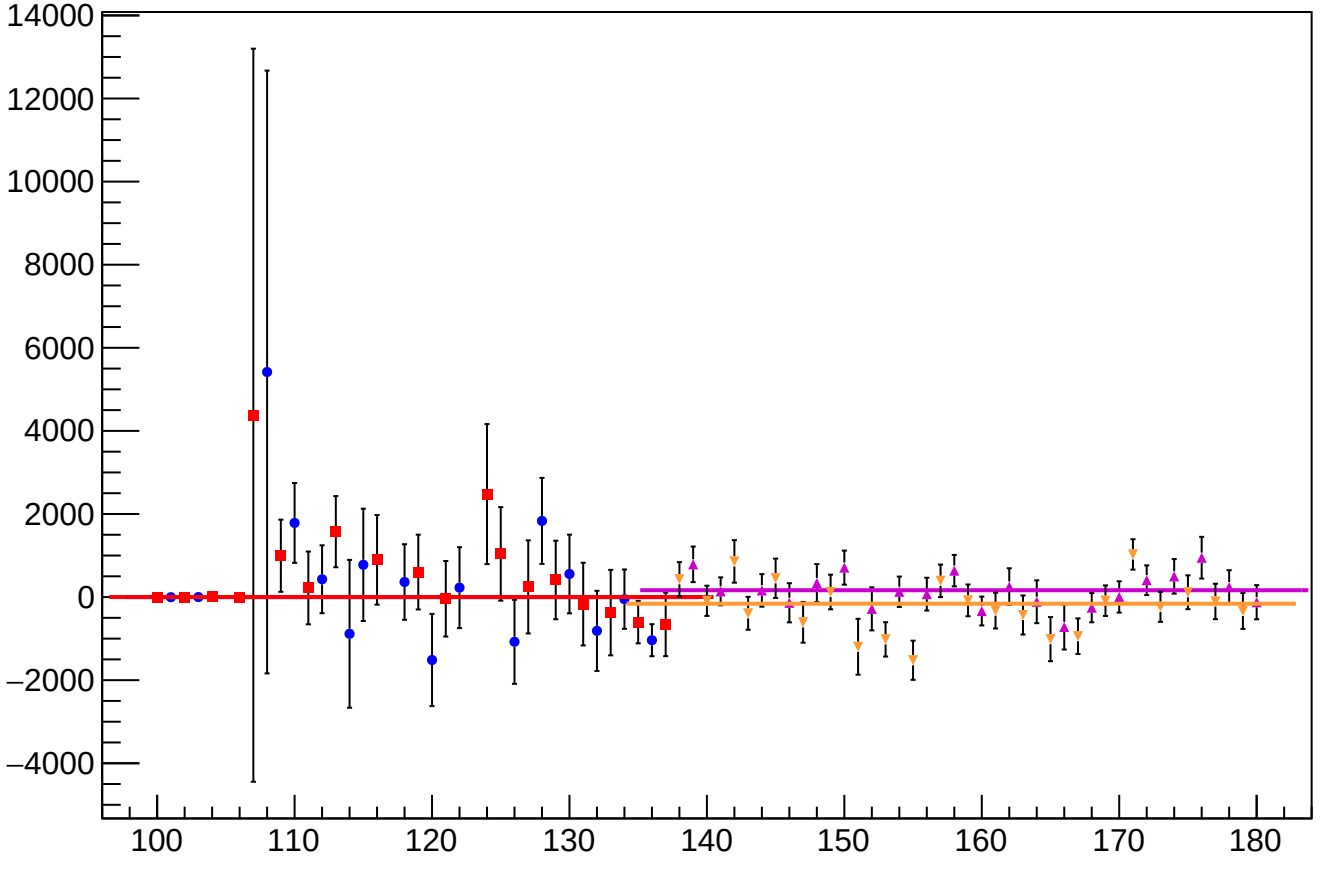
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 188.824+/-0.028 χ^2/NDF:2529572.6/36

Out: 198.777+/-0.030 χ^2/NDF:3202108.6/40

All: 193.585+/-0.020 χ^2/NDF: 5790856.3/77

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -159.481+/-90.437 χ^2/NDF:44.0/21

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 164.748+/-89.071 χ^2/NDF:17.6/20

Left: 5.101+/-63.460 χ^2/NDF: 68.1/42

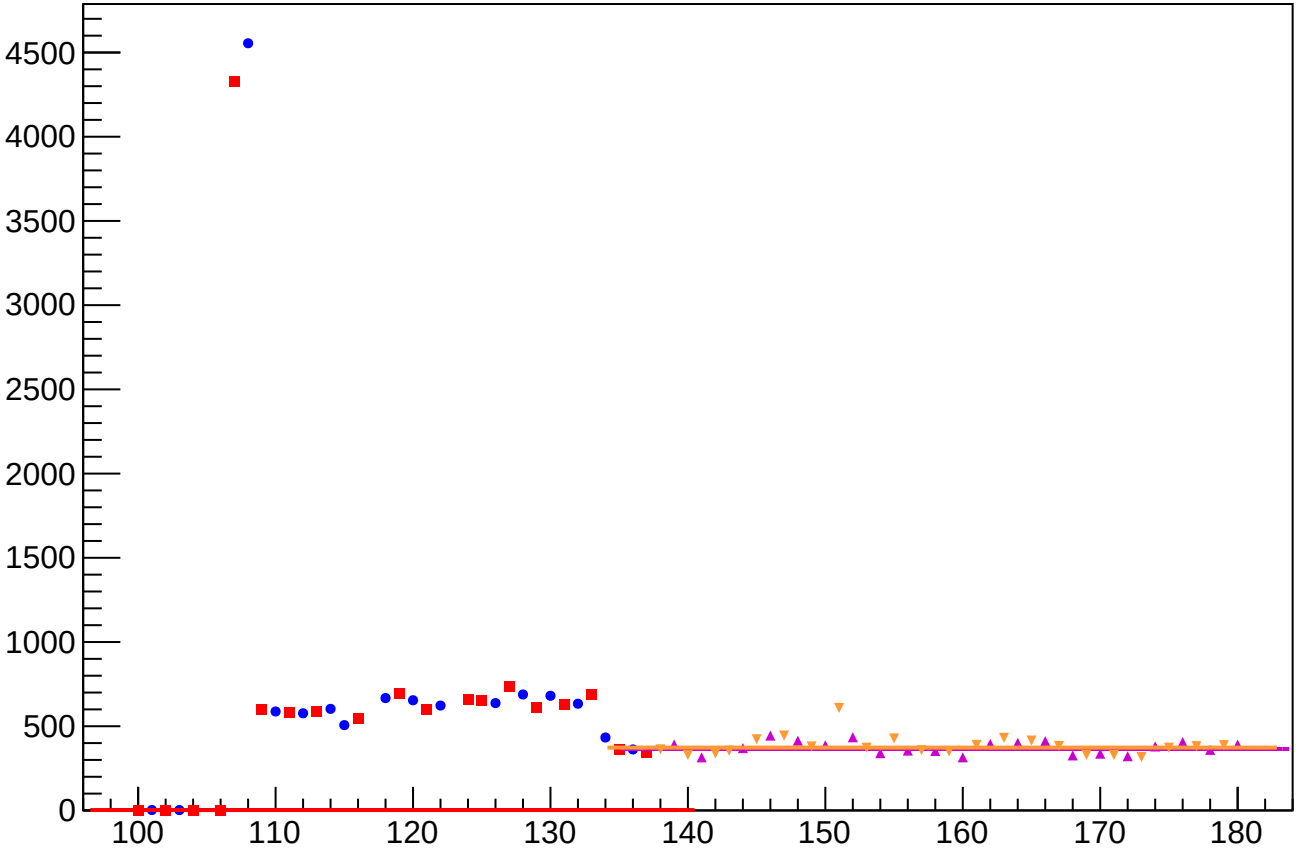
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.140+/-2.170 χ^2/NDF:40.9/36

Out: 1.297+/-2.022 χ^2/NDF:64.0/40

All: 0.164+/-1.479 χ^2/NDF: 105.6/77

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 373.261+/-0.064 χ^2/NDF:545649.0/21

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 364.837+/-0.063 χ^2/NDF:349028.2/20

Left: 368.985+/-0.045 χ^2/NDF: 903485.3/42

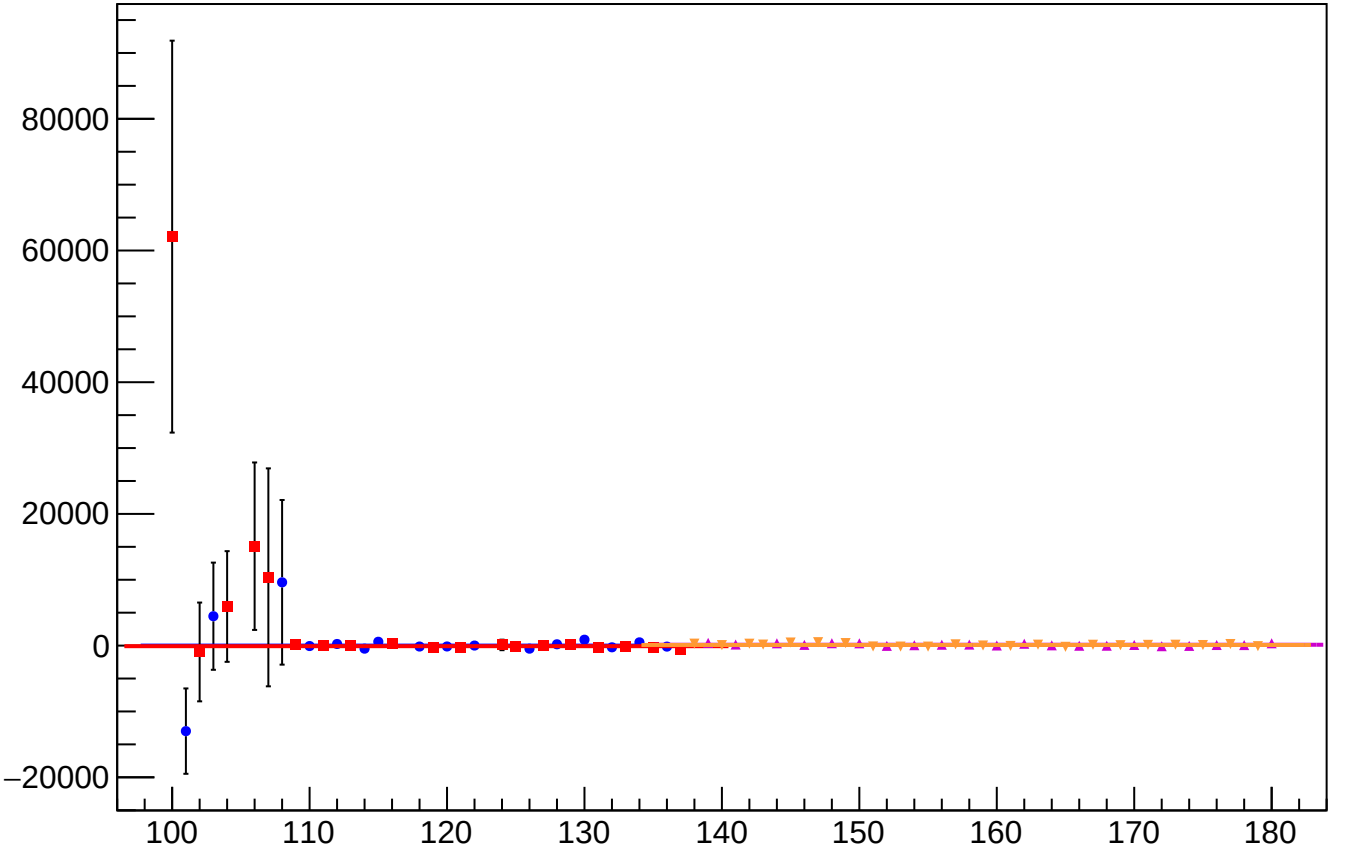
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.692+/-0.002 χ^2/NDF:45056138.7/36

Out: 2.648+/-0.001 χ^2/NDF:45695181.2/40

All: 2.668+/-0.001 χ^2/NDF: 90751766.2/77

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 96.443+/-53.261 χ^2/NDF:9.9/21

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 129.268+/-48.932 χ^2/NDF:8.7/20

Left: 114.244+/-36.034 χ^2/NDF: 18.8/42

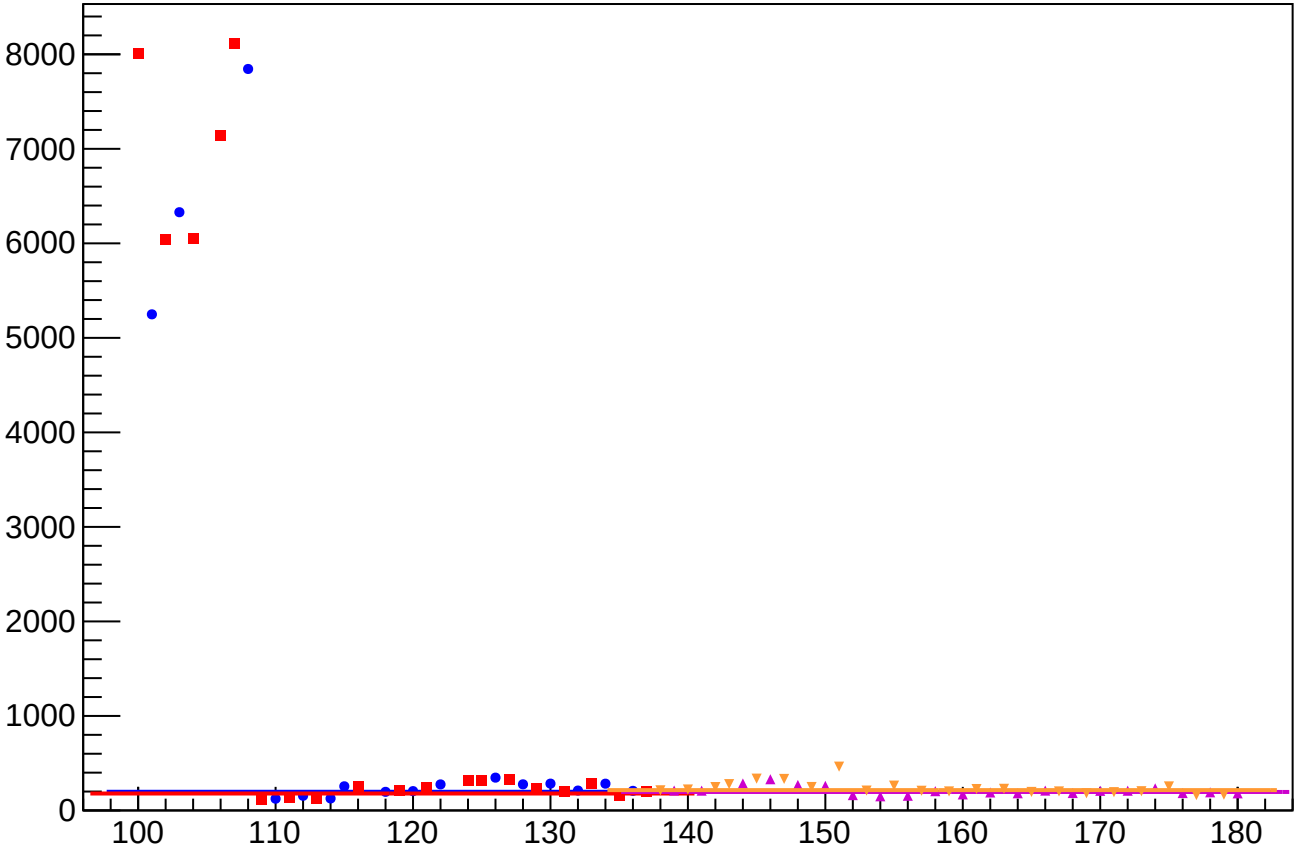
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 98.781+/-42.745 χ^2/NDF:27.2/36

Out: 41.317+/-44.602 χ^2/NDF:28.4/40

All: 71.271+/-30.861 χ^2/NDF: 56.4/77

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 215.180+/-0.038 χ^2/NDF:1524749.9/21

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.688+/-0.035 χ^2/NDF:1156593.4/20

Left: 204.610+/-0.025 χ^2/NDF: 2826600.1/42

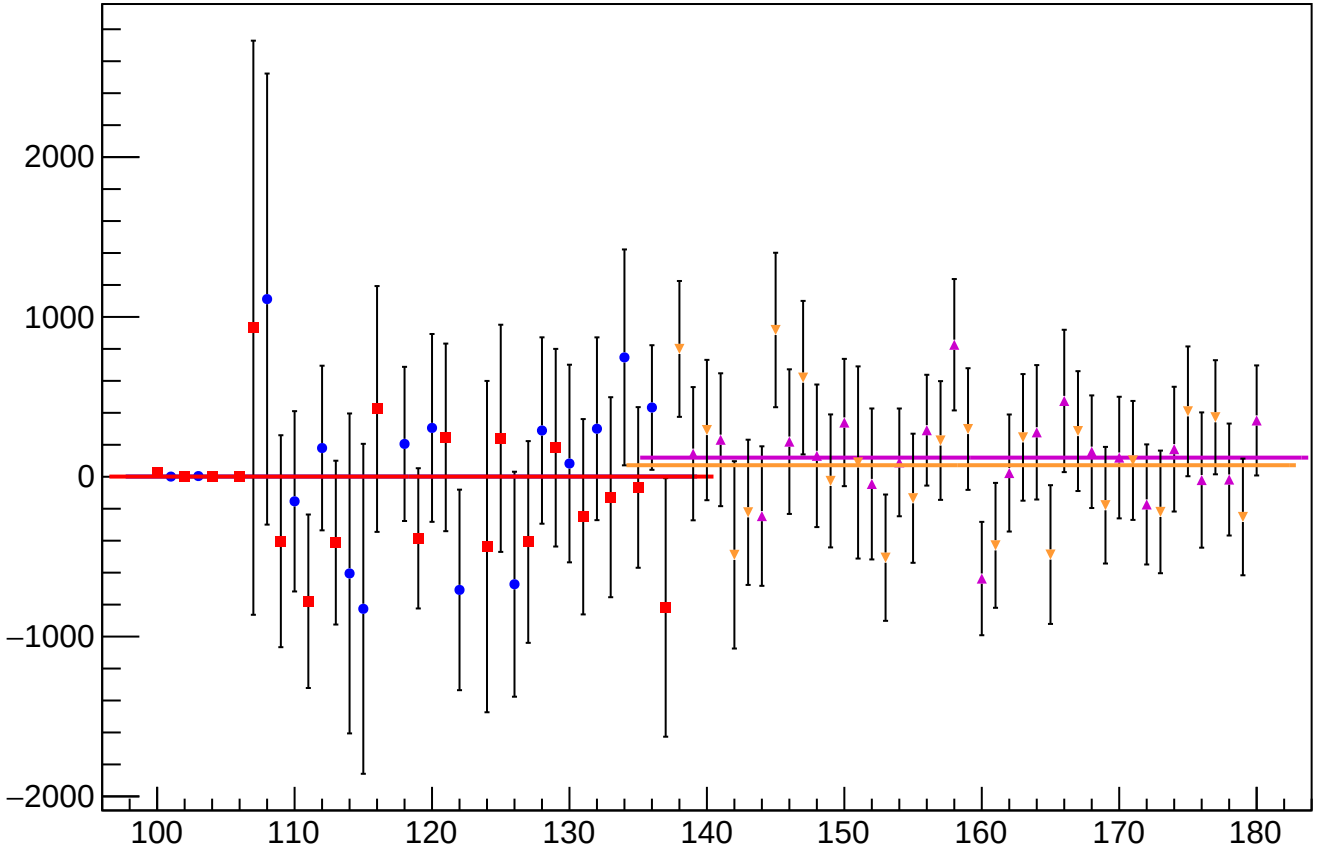
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.146+/-0.030 χ^2/NDF:5114524.2/36

Out: 204.446+/-0.032 χ^2/NDF:6215066.4/40

All: 200.120+/-0.022 χ^2/NDF: 11365698.6/77

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.186+/-87.502 χ^2/NDF:18.9/21

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 119.666+/-85.308 χ^2/NDF:11.2/20

Left: 96.529+/-61.083 χ^2/NDF: 30.3/42

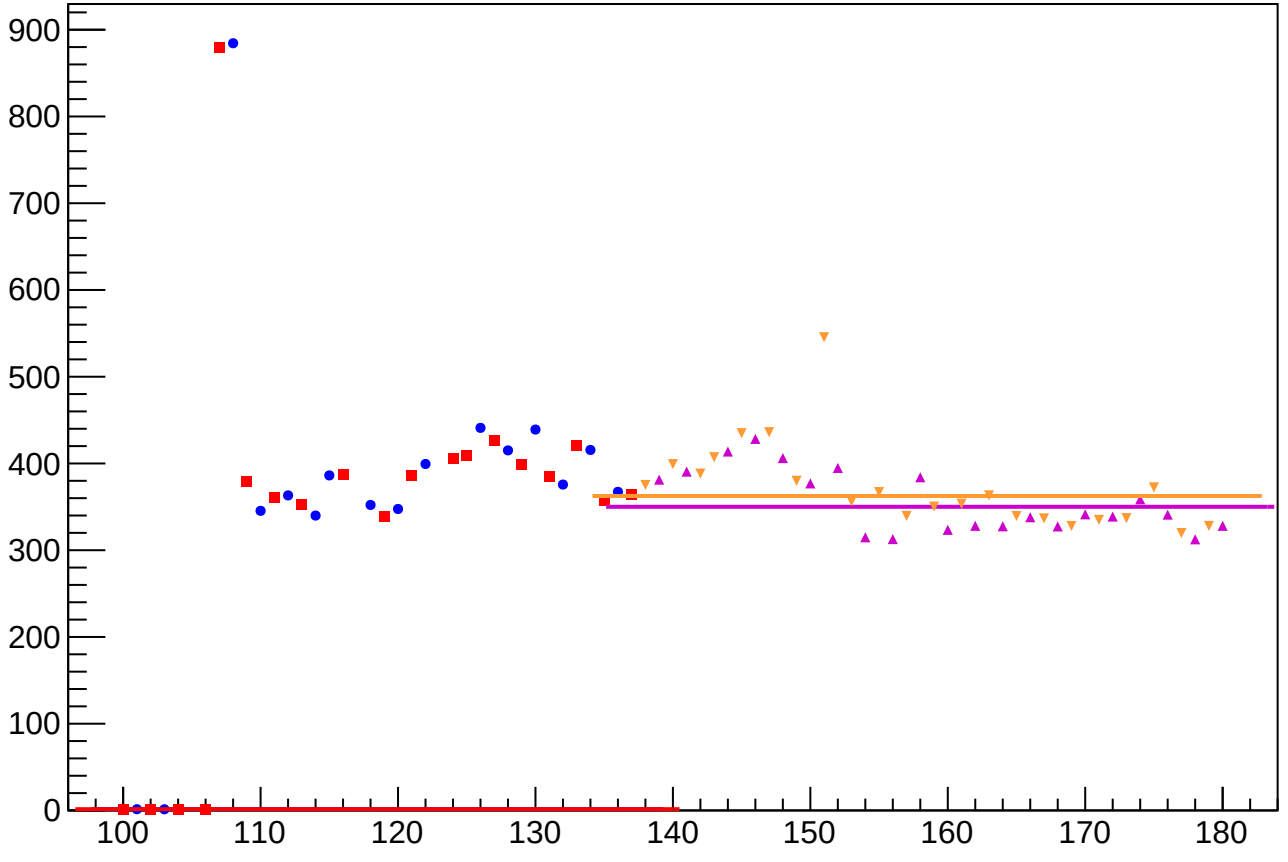
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.500+/-1.660 χ^2/NDF:21.0/36

Out: 1.115+/-1.528 χ^2/NDF:28.8/40

All: 1.292+/-1.124 χ^2/NDF: 49.8/77

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 362.519+/-0.062 χ^2/NDF:431807.9/21

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 350.059+/-0.060 χ^2/NDF:319758.3/20

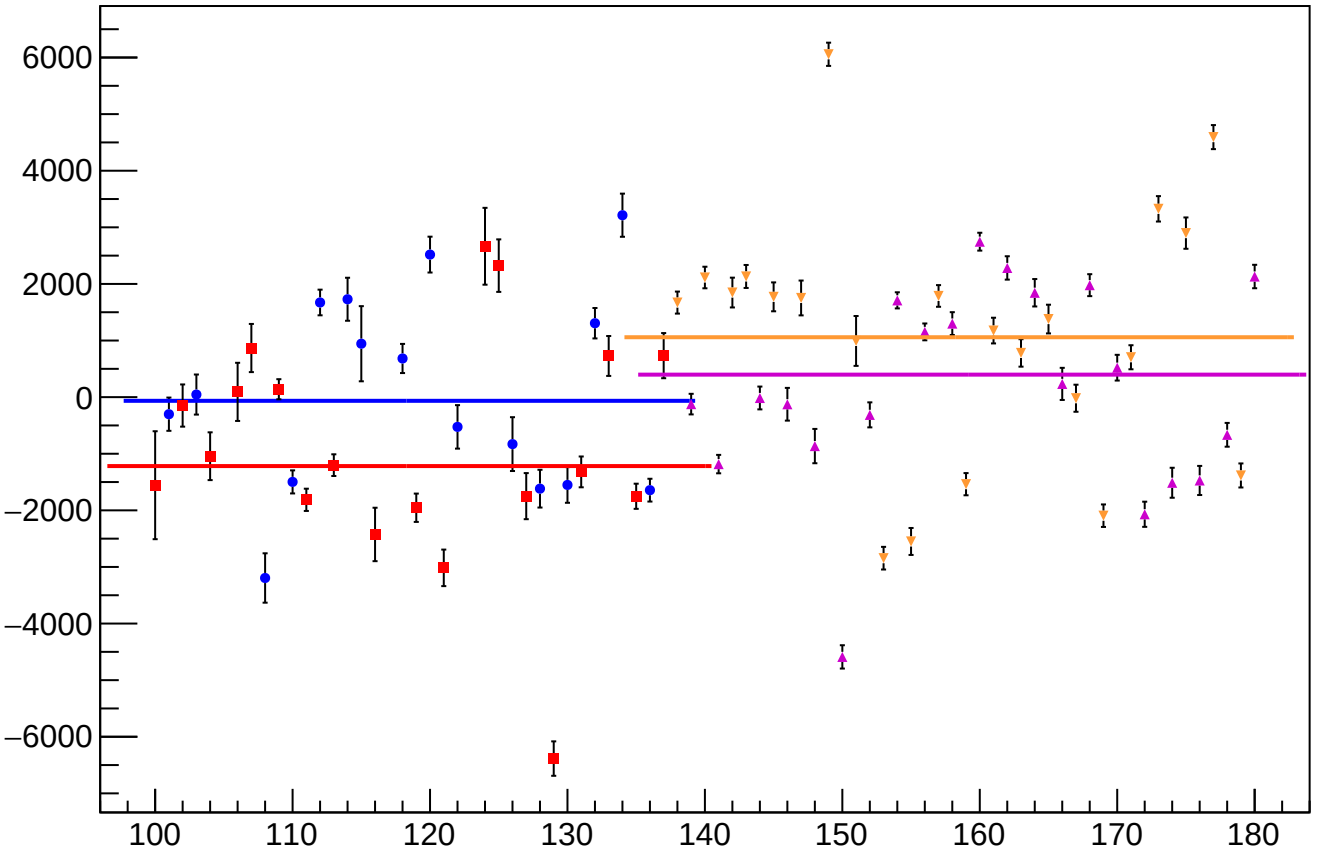
Left: 356.131+/-0.043 χ^2/NDF: 772358.7/42

Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.602+/-0.001 χ^2/NDF:45436966.8/36

Out: 1.577+/-0.001 χ^2/NDF:45742923.4/40

All: 1.589+/-0.001 χ^2/NDF: 91180135.3/77



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1058.312+/-47.811 χ^2/NDF:2317.1/21

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 397.524+/-44.142 χ^2/NDF:1585.7/20

Left: 701.595+/-32.433 χ^2/NDF: 4005.9/42

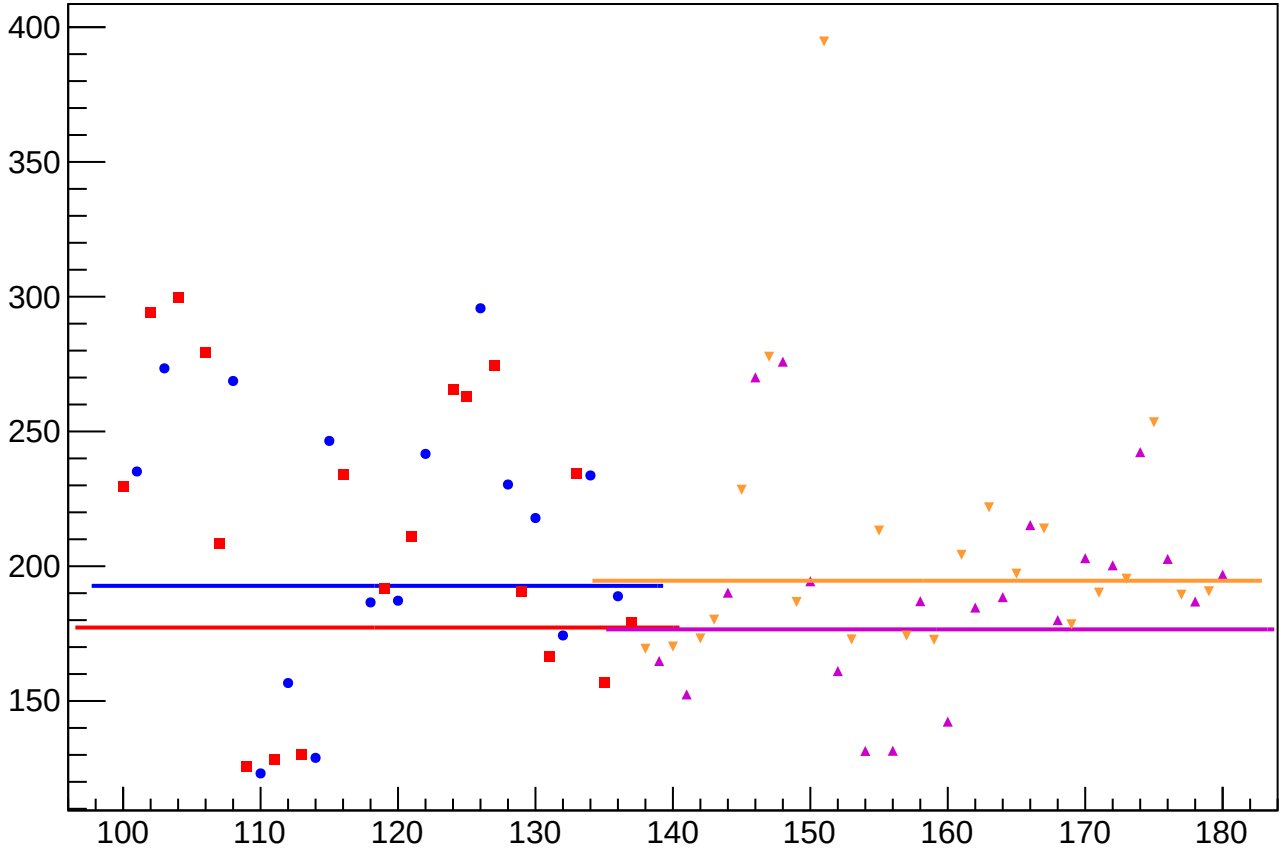
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 278.280+/-38.028 χ^2/NDF:2083.5/36

Out: 320.291+/-39.303 χ^2/NDF:3646.6/40

All: 298.593+/-27.330 χ^2/NDF: 5730.6/77

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.619+/-0.034 χ^2/NDF:918241.3/21

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 176.568+/-0.031 χ^2/NDF:1257335.3/20

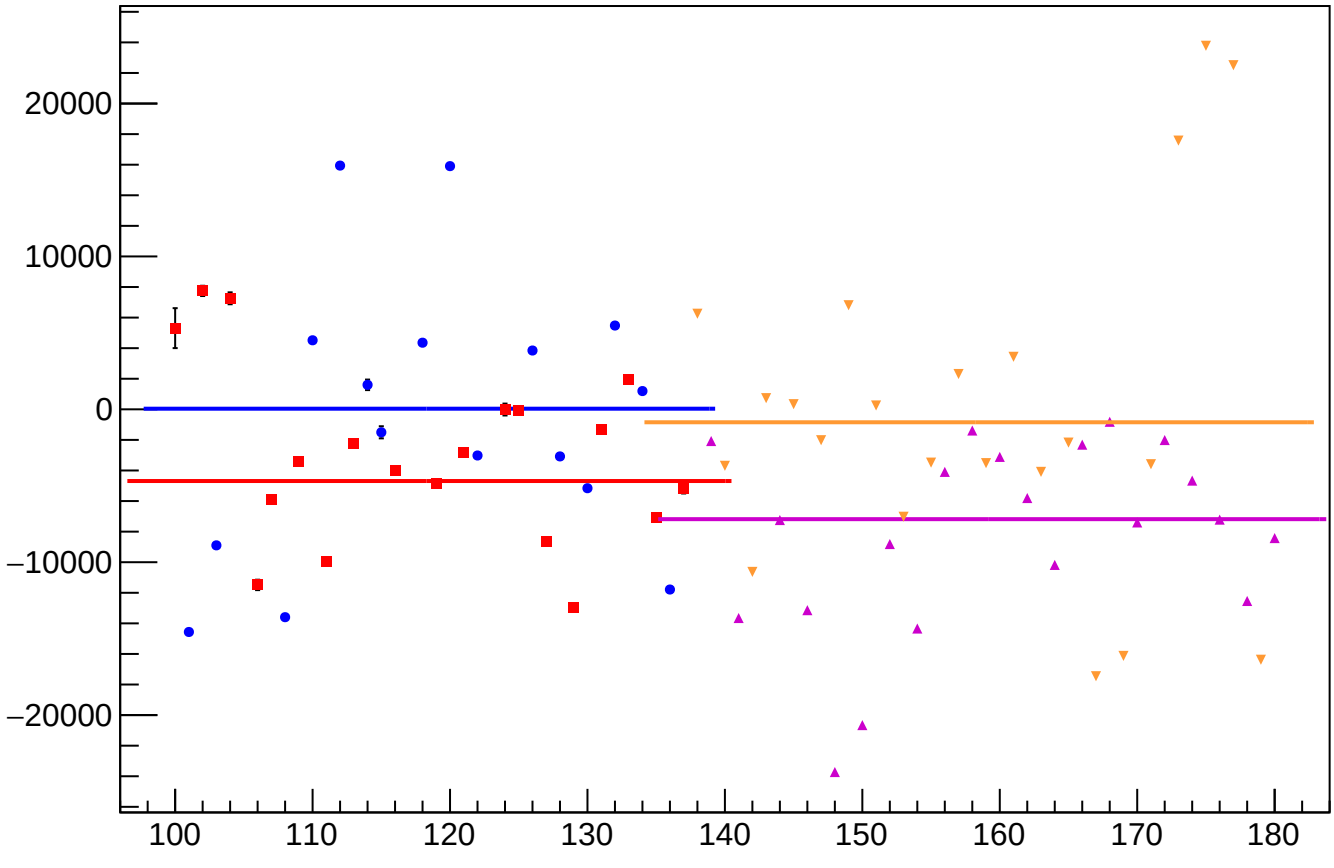
Left: 184.874+/-0.023 χ^2/NDF: 2329483.0/42

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 180.732+/-0.027 χ^2/NDF:2085513.0/36

Out: 188.988+/-0.028 χ^2/NDF:2229995.3/40

All: 184.724+/-0.019 χ^2/NDF: 4361087.0/77



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7184.077+/-43.337 χ^2/NDF:18197.5/20

Left: -3933.301+/-30.244 χ^2/NDF: 86743.1/42

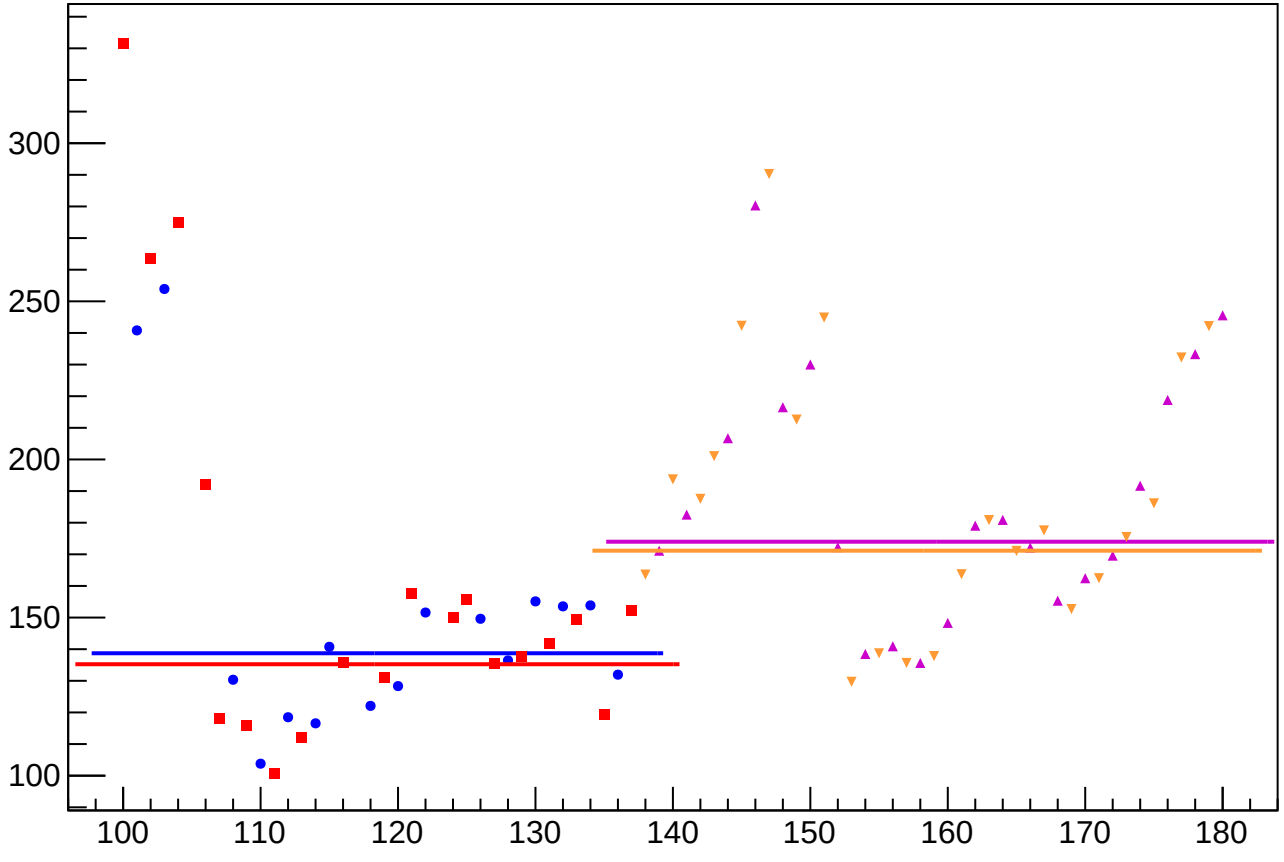
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4366.331+/-33.847 χ^2/NDF:59823.8/36

Out: -2370.601+/-32.804 χ^2/NDF:68655.9/40

All: -3337.238+/-23.556 χ^2/NDF: 130272.4/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

Left: 172.531+/-0.021 χ^2/NDF: 2670274.5/42

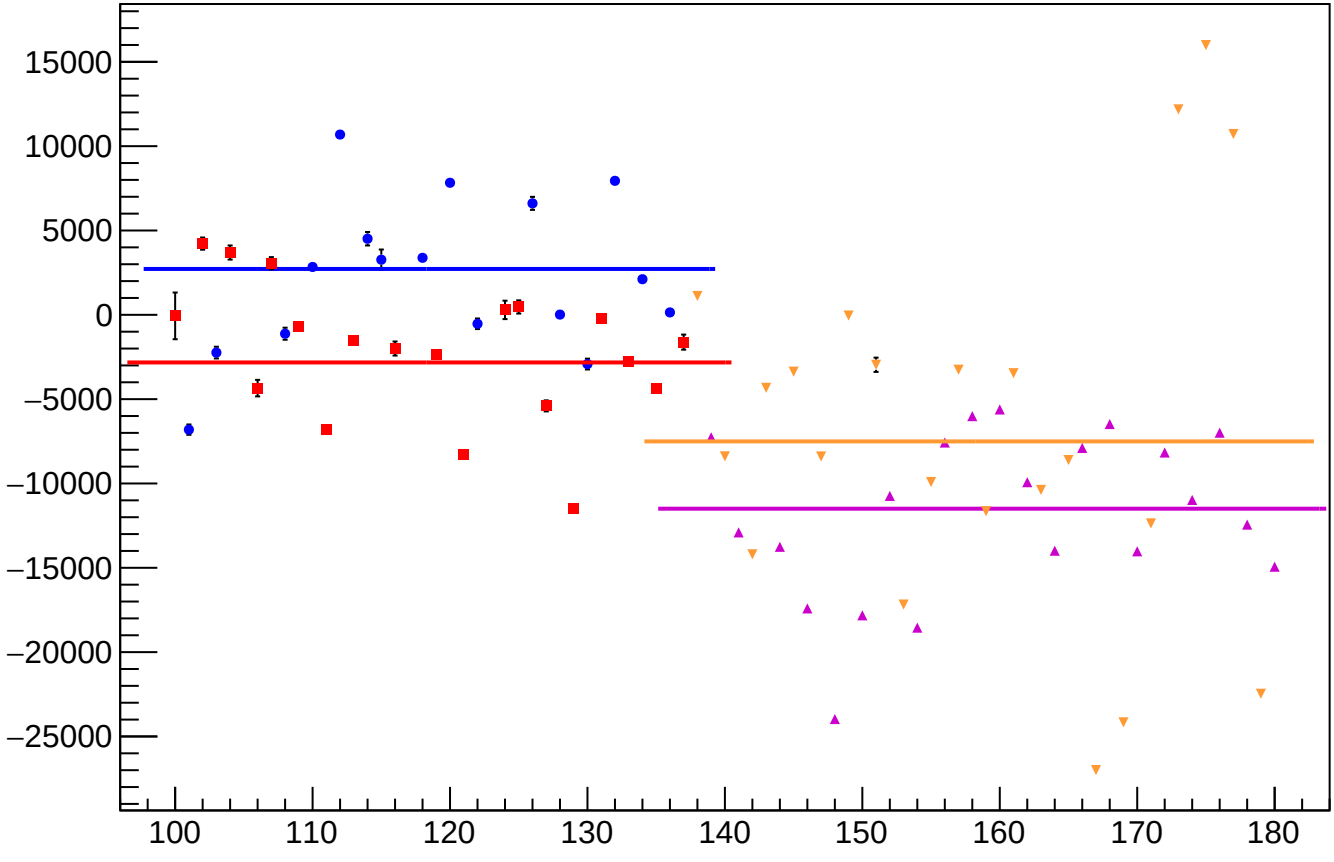
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 160.228+/-0.024 χ^2/NDF:2398183.2/36

Out: 156.914+/-0.023 χ^2/NDF:2905588.6/40

All: 158.519+/-0.017 χ^2/NDF: 5313658.6/77

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11494.868+/-45.463 χ^2/NDF:11122.7/20

Left: -9627.589+/-33.159 χ^2/NDF: 64978.8/42

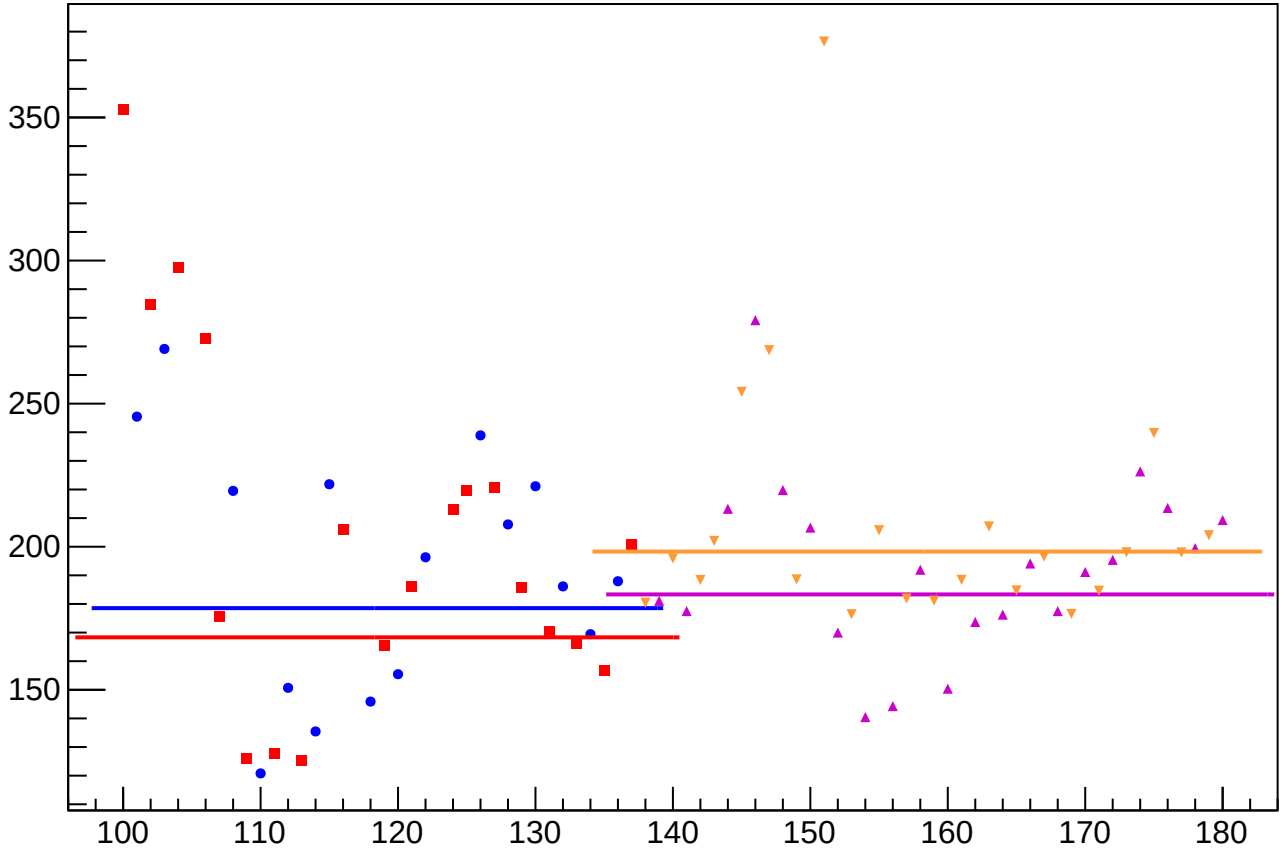
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7213.322+/-38.004 χ^2/NDF:44698.2/36

Out: -5827.187+/-38.824 χ^2/NDF:56657.7/40

All: -6535.051+/-27.158 χ^2/NDF: 102006.8/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

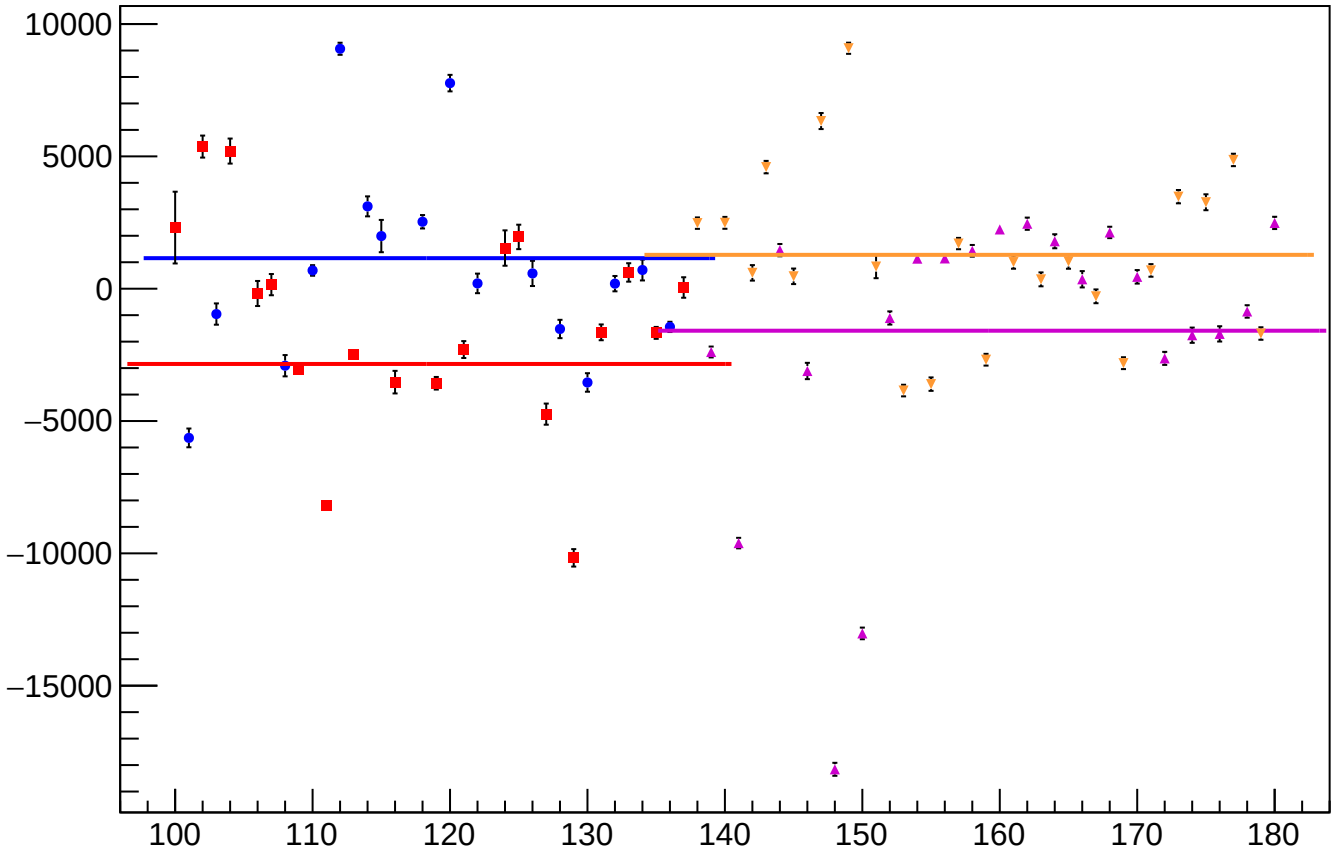
Left: 190.337+/-0.023 χ^2/NDF: 1641930.6/42

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.889+/-0.027 χ^2/NDF:1503511.4/36

Out: 187.560+/-0.027 χ^2/NDF:1971663.8/40

All: 184.664+/-0.019 χ^2/NDF: 3496969.5/77



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1587.403+/-49.552 χ^2/NDF:11432.6/20

Left: -247.623+/-36.163 χ^2/NDF: 17050.2/42

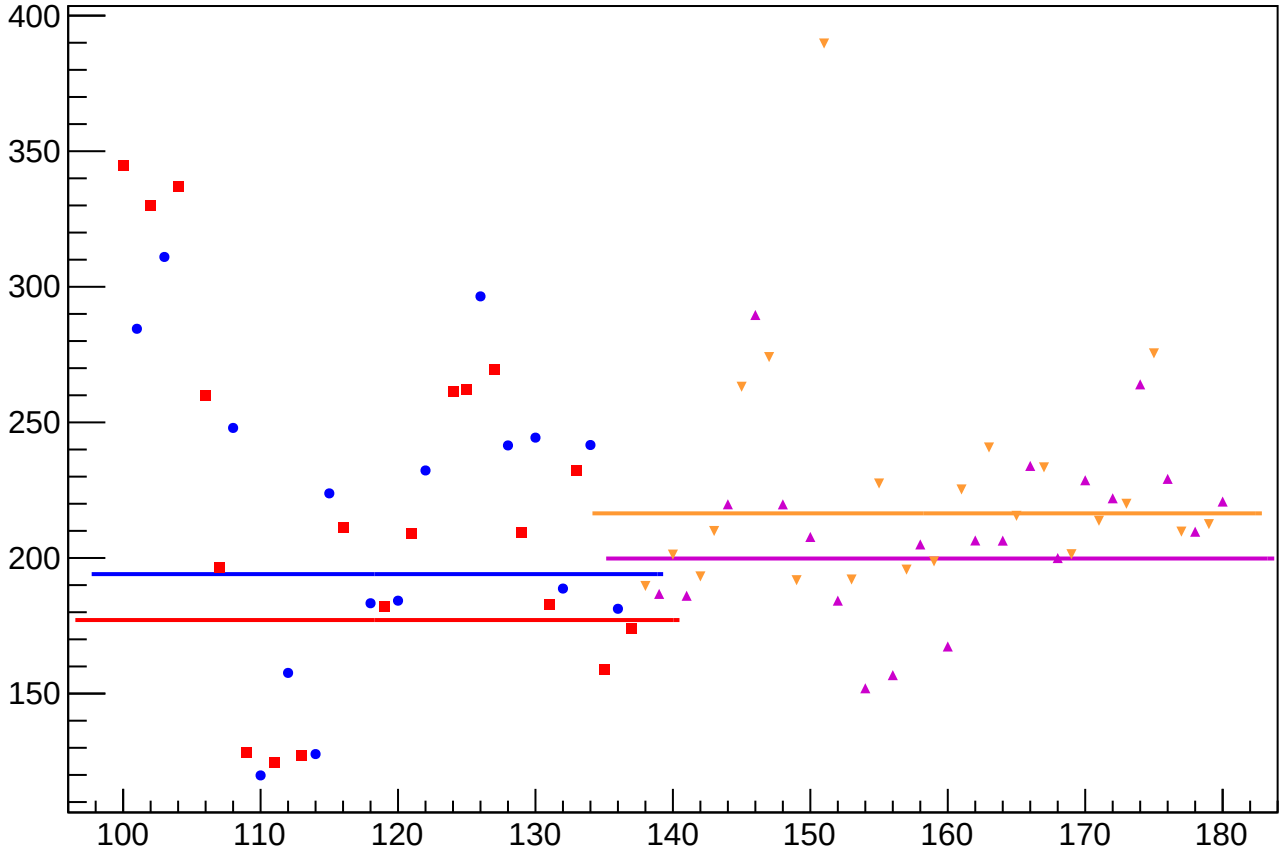
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -769.057+/-41.501 χ^2/NDF:15001.6/36

Out: -243.174+/-42.011 χ^2/NDF:8749.7/40

All: -509.324+/-29.524 χ^2/NDF: 23830.6/77

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

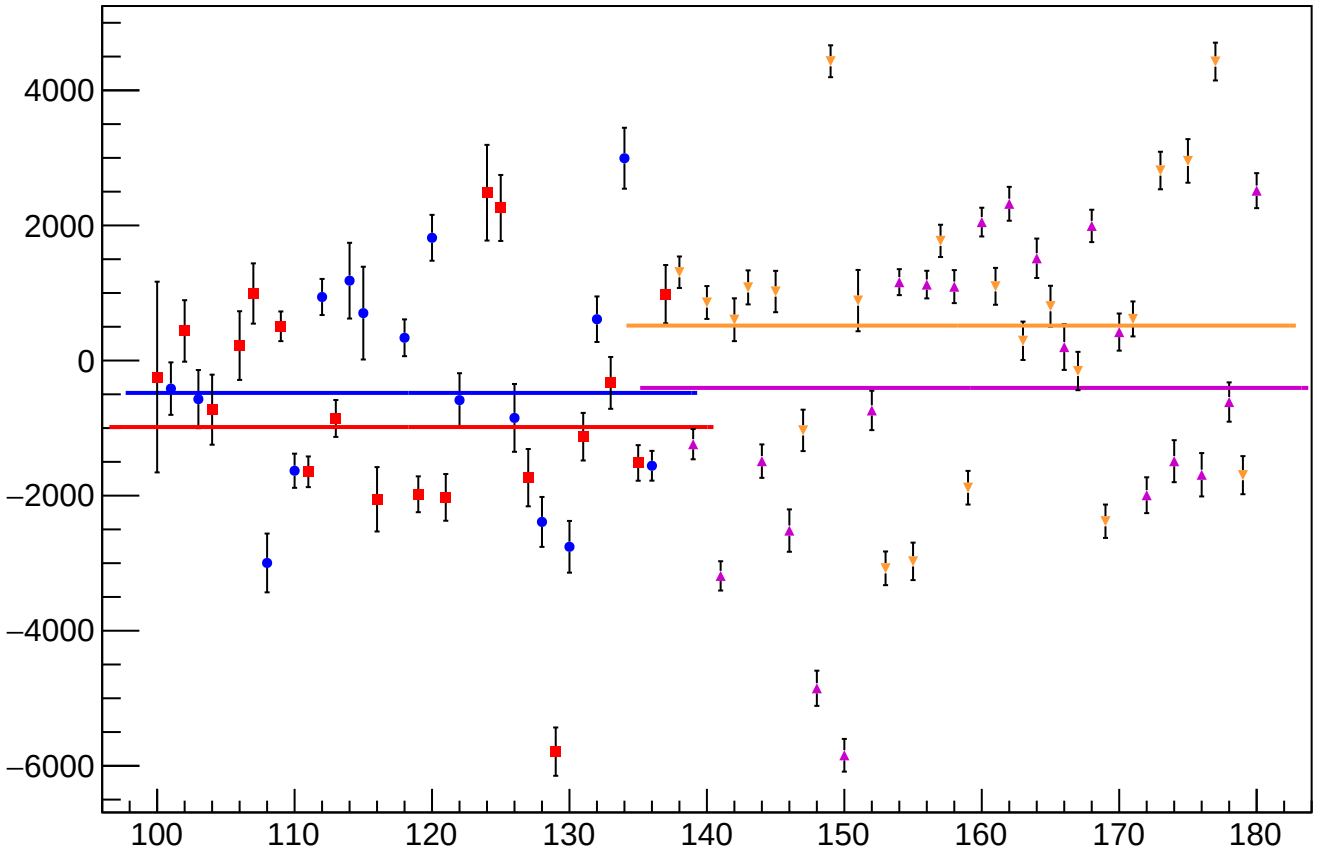
Left: 207.588+/-0.026 χ^2/NDF: 1581691.2/42

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.087+/-0.029 χ^2/NDF:1758652.8/36

Out: 201.931+/-0.030 χ^2/NDF:2459121.3/40

All: 199.986+/-0.021 χ^2/NDF: 4226249.6/77



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -405.305+/-55.120 χ^2/NDF:1798.1/20

Left: 31.740+/-39.988 χ^2/NDF: 3270.8/42

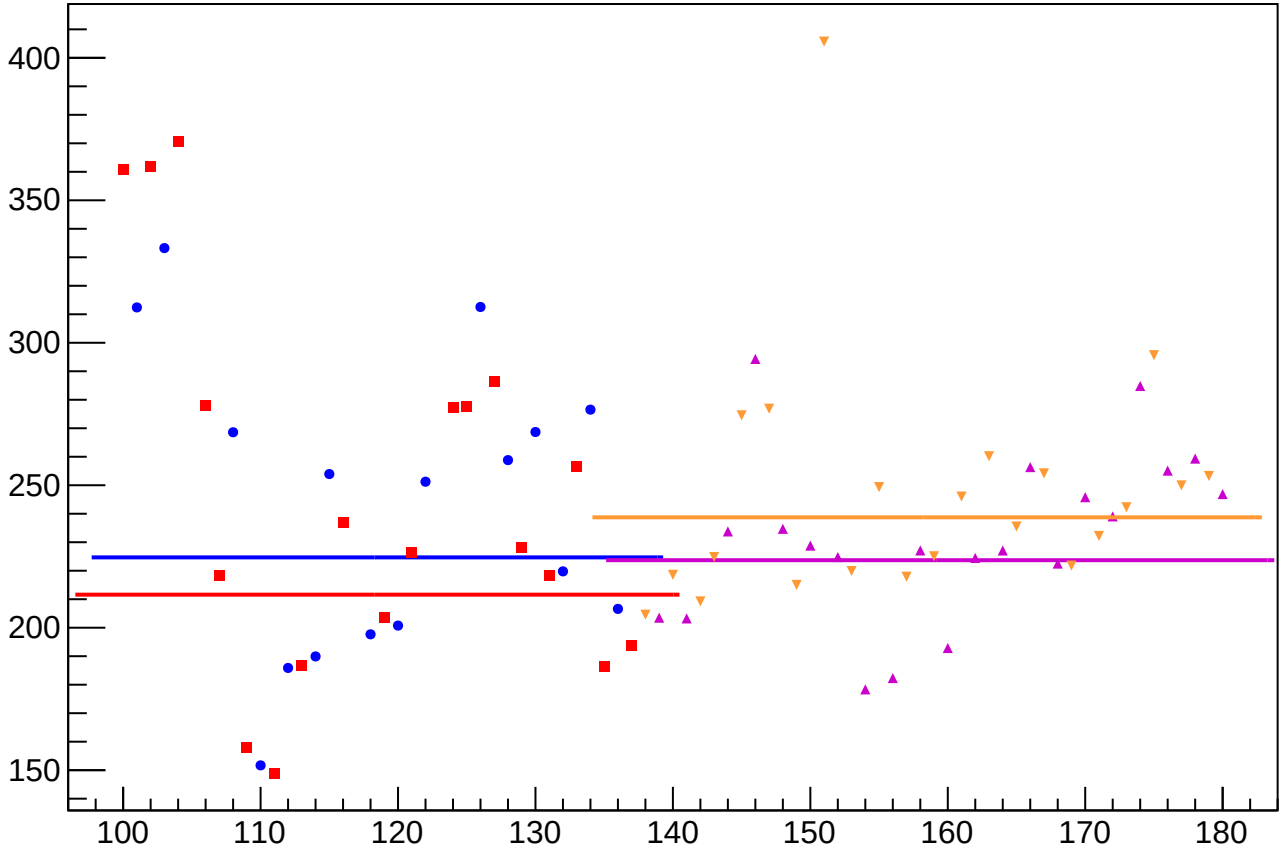
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -426.610+/-46.513 χ^2/NDF:2104.1/36

Out: 6.677+/-47.201 χ^2/NDF:1965.3/40

All: -213.147+/-33.130 χ^2/NDF: 4112.1/77

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

Left: 230.822+/-0.028 χ^2/NDF: 1196293.3/42

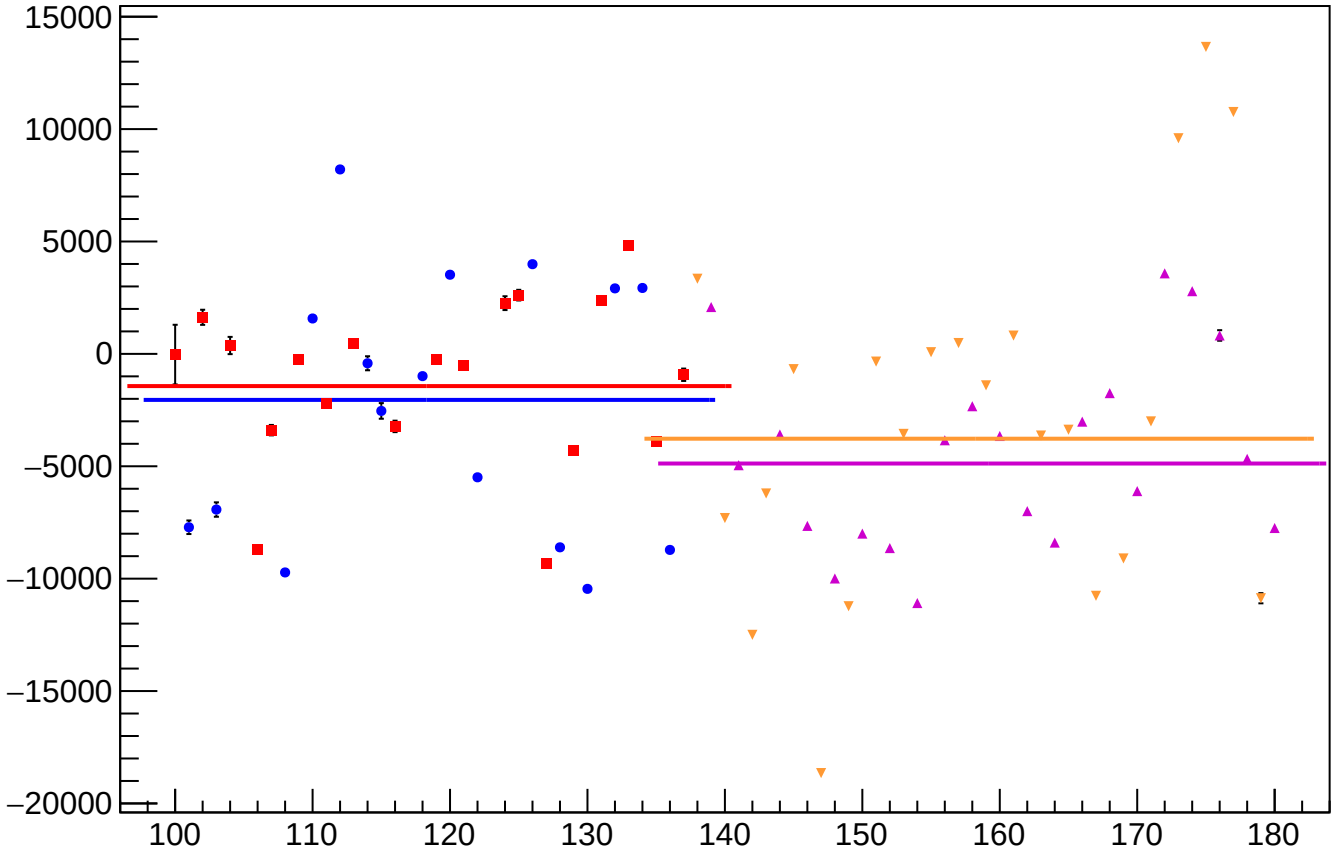
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.979+/-0.033 χ^2/NDF:1213439.7/36

Out: 229.511+/-0.033 χ^2/NDF:1646986.7/40

All: 226.704+/-0.023 χ^2/NDF: 2874364.7/77

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4877.883+/-32.422 χ^2/NDF:15405.5/20

Left: -4311.333+/-22.623 χ^2/NDF: 68608.9/42

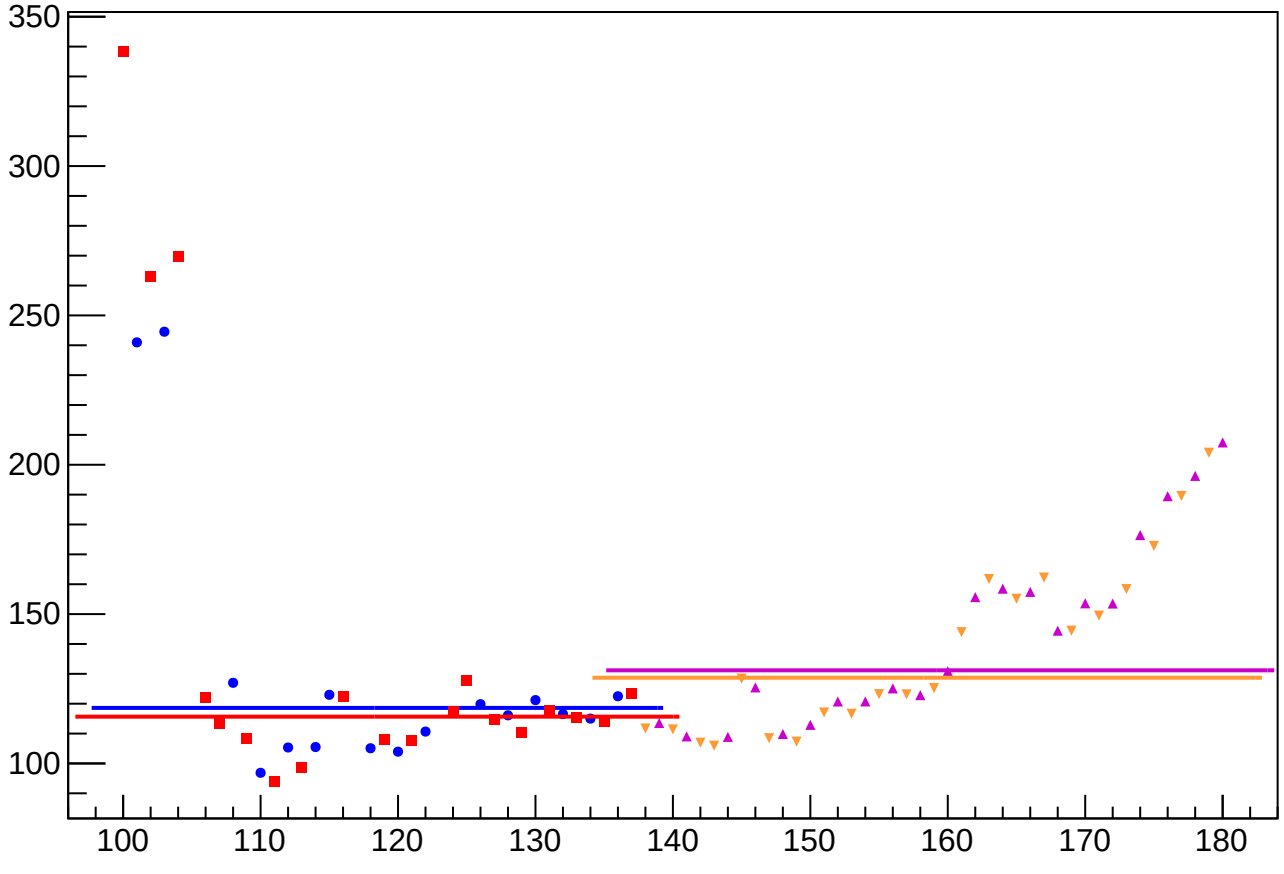
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3957.845+/-26.637 χ^2/NDF:34592.1/36

Out: -2994.931+/-25.800 χ^2/NDF:60823.6/40

All: -3461.021+/-18.532 χ^2/NDF: 96090.0/77

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

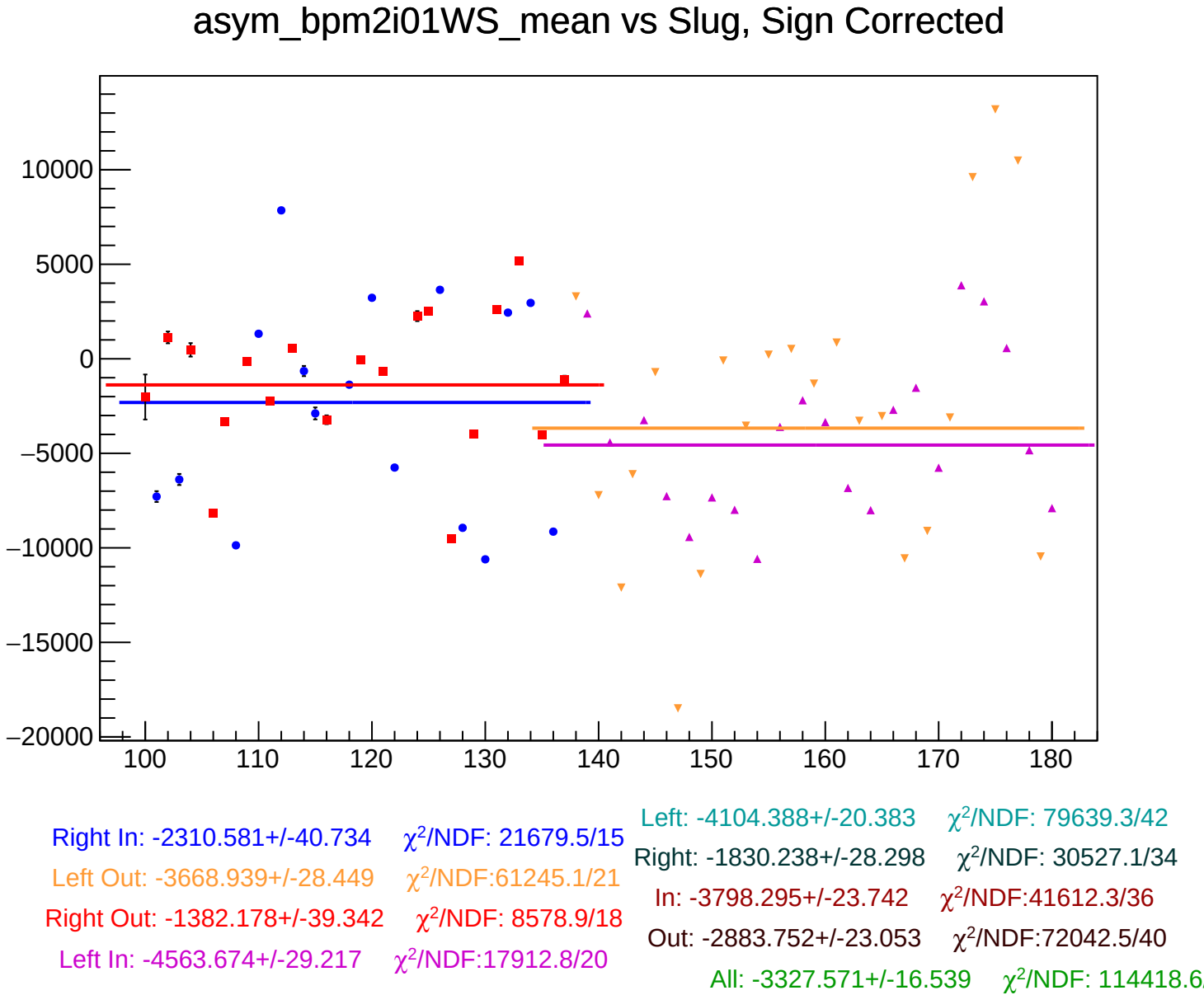
Left: 129.905+/-0.016 χ^2/NDF: 2313418.4/42

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

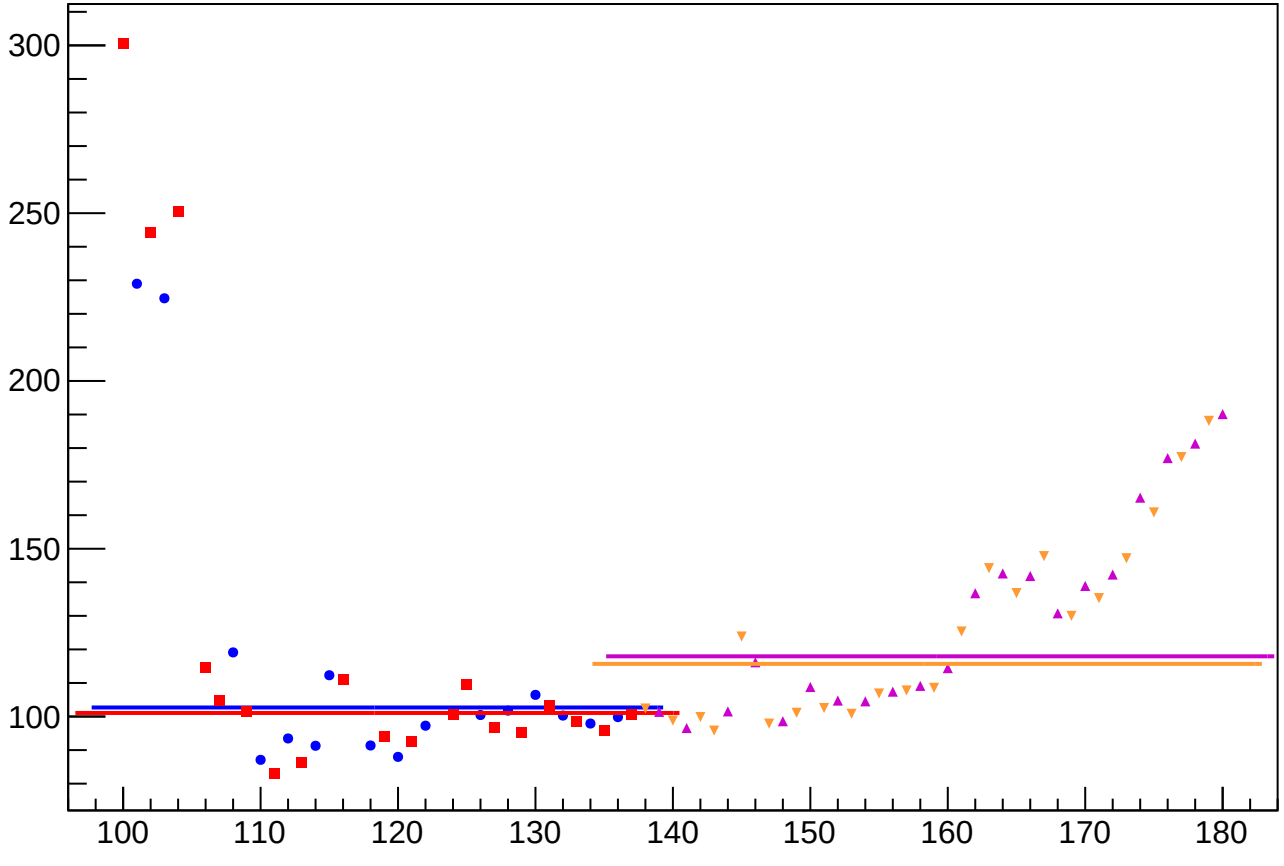
In: 127.088+/-0.019 χ^2/NDF:2006618.9/36

Out: 124.360+/-0.018 χ^2/NDF:2110447.0/40

All: 125.680+/-0.013 χ^2/NDF: 4127886.9/77


asym_bpm2i01WS_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2310.581+/-40.734 χ²/NDF: 21679.5/15
Left Out: -3668.939+/-28.449 χ²/NDF:61245.1/21
Right Out: -1382.178+/-39.342 χ²/NDF: 8578.9/18
Left In: -4563.674+/-29.217 χ²/NDF:17912.8/20
Left: -4104.388+/-20.383 χ²/NDF: 79639.3/42
Right: -1830.238+/-28.298 χ²/NDF: 30527.1/34
In: -3798.295+/-23.742 χ²/NDF:41612.3/36
Out: -2883.752+/-23.053 χ²/NDF:72042.5/40
All: -3327.571+/-16.539 χ²/NDF: 114418.6/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 115.689+/-0.020 χ^2/NDF:1209320.3/21

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 117.942+/-0.021 χ^2/NDF:1267576.4/20

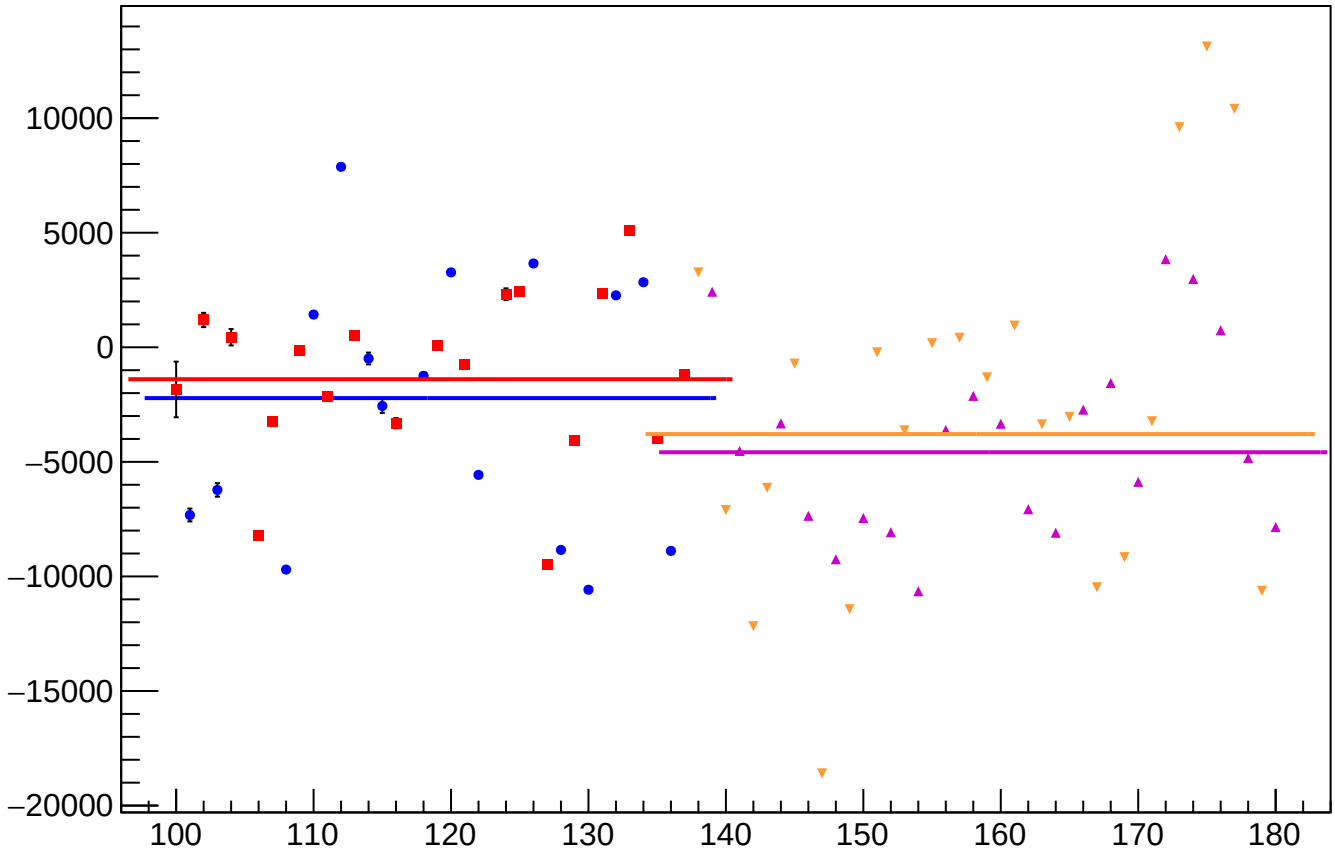
Left: 116.785+/-0.014 χ^2/NDF: 2483001.8/42

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 112.762+/-0.017 χ^2/NDF:2278423.9/36

Out: 110.667+/-0.016 χ^2/NDF:2321274.5/40

All: 111.684+/-0.012 χ^2/NDF: 4607714.8/77



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3786.792+/-27.849 χ^2/NDF:65439.5/21

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4580.618+/-28.582 χ^2/NDF:18929.4/20

Left: -4173.405+/-19.946 χ^2/NDF: 84764.6/42

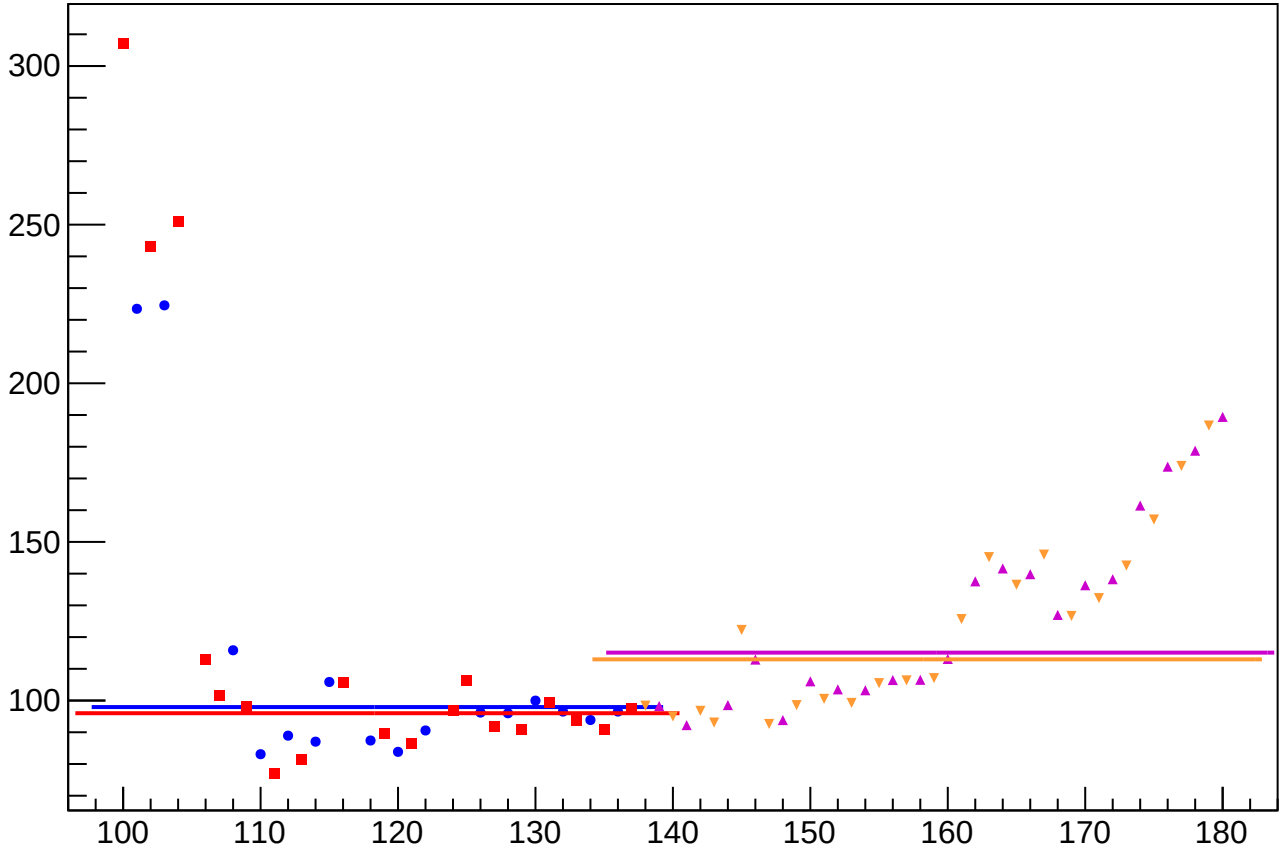
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3756.162+/-23.061 χ^2/NDF:44354.6/36

Out: -2938.393+/-22.375 χ^2/NDF:77209.5/40

All: -3334.923+/-16.059 χ^2/NDF: 122211.8/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 112.983+/-0.020 χ^2/NDF:1294583.5/21

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 115.101+/-0.020 χ^2/NDF:1348037.8/20

Left: 114.014+/-0.014 χ^2/NDF: 2648255.1/42

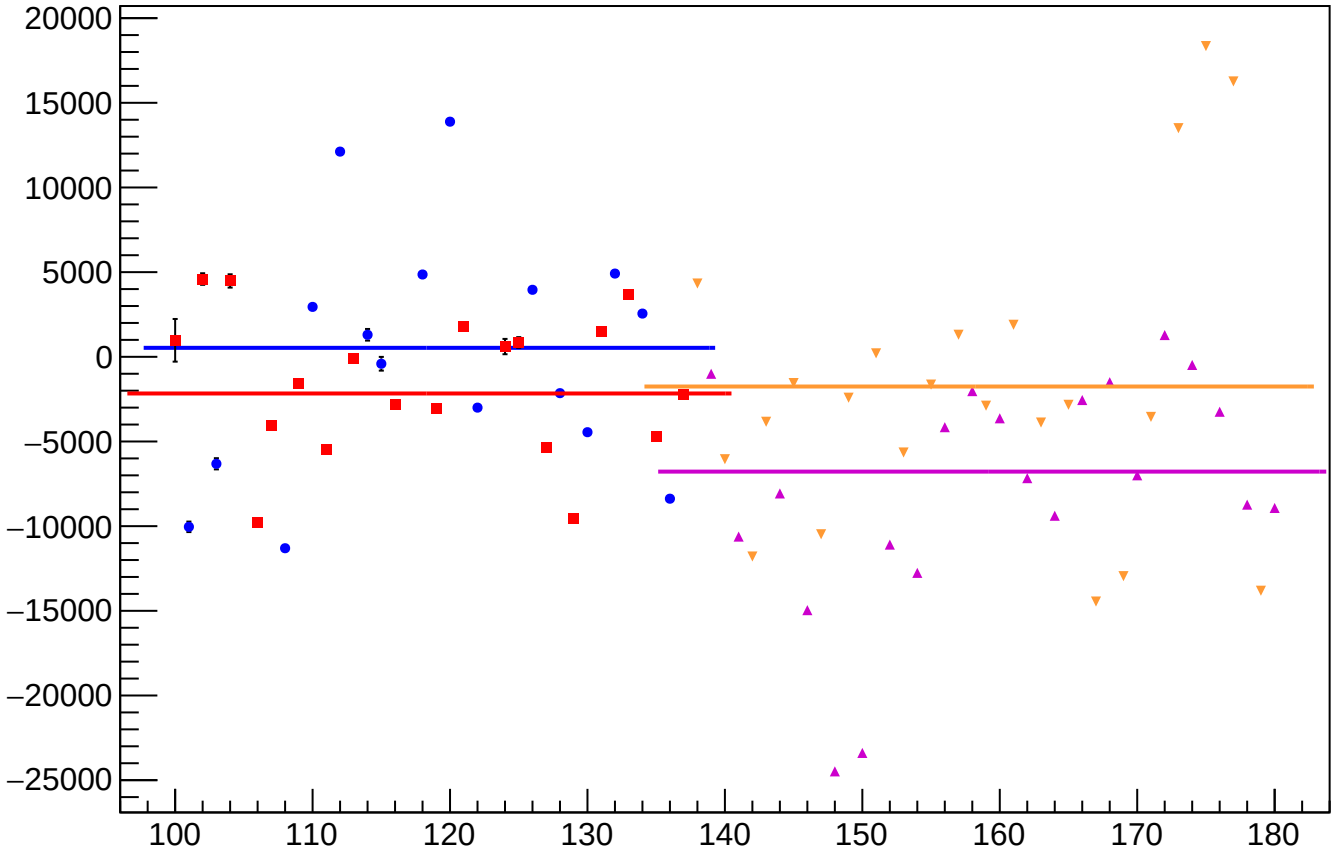
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 109.113+/-0.016 χ^2/NDF:2467676.0/36

Out: 106.964+/-0.016 χ^2/NDF:2570372.6/40

All: 108.006+/-0.011 χ^2/NDF: 5046998.1/77

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1753.686+/-38.903 χ^2/NDF:40660.6/21

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6778.869+/-40.354 χ^2/NDF:20342.4/20

Left: -4174.354+/-28.007 χ^2/NDF: 69040.4/42

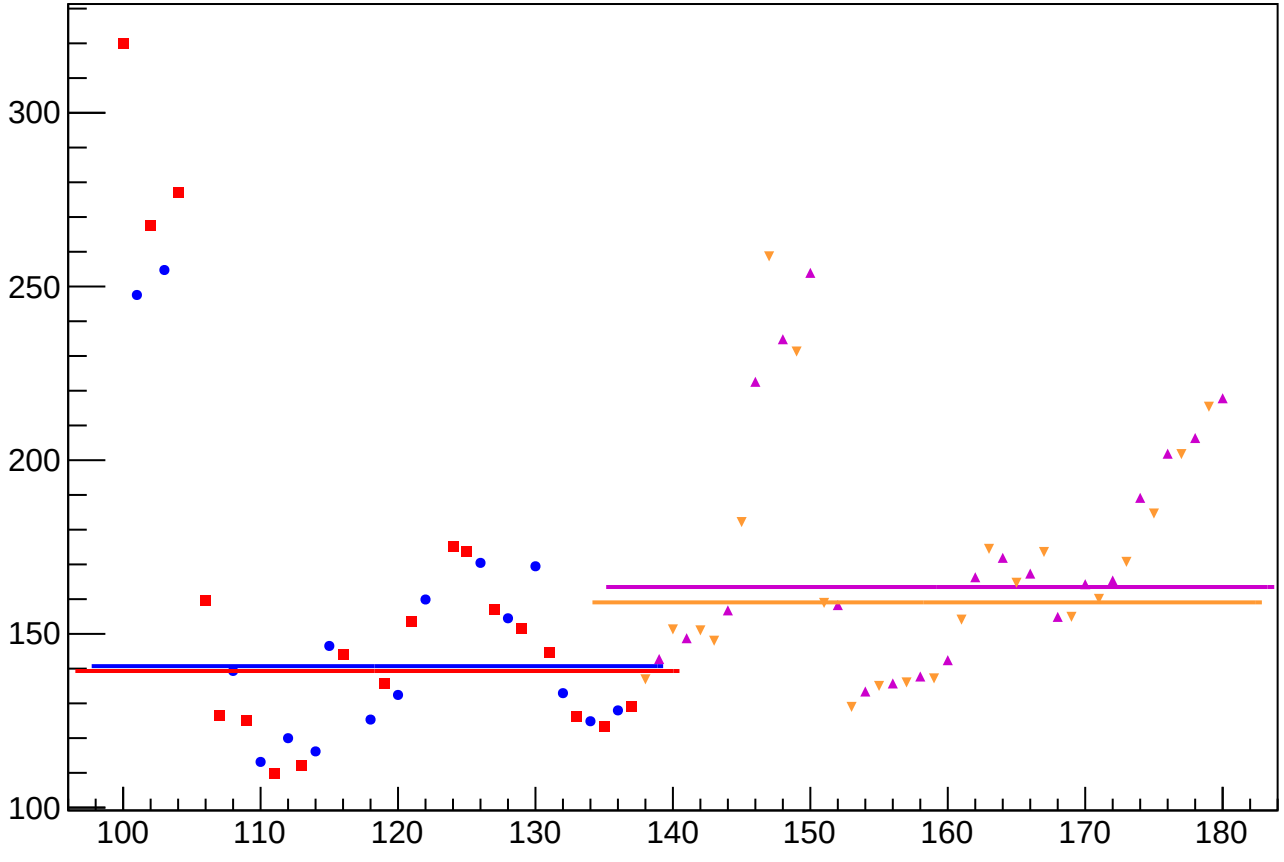
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4212.210+/-32.505 χ^2/NDF:50451.0/36

Out: -1896.094+/-31.456 χ^2/NDF:45666.4/40

All: -3016.145+/-22.604 χ^2/NDF: 98739.2/77

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.073+/-0.028 χ^2/NDF:967572.9/21

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 163.497+/-0.029 χ^2/NDF:1077609.3/20

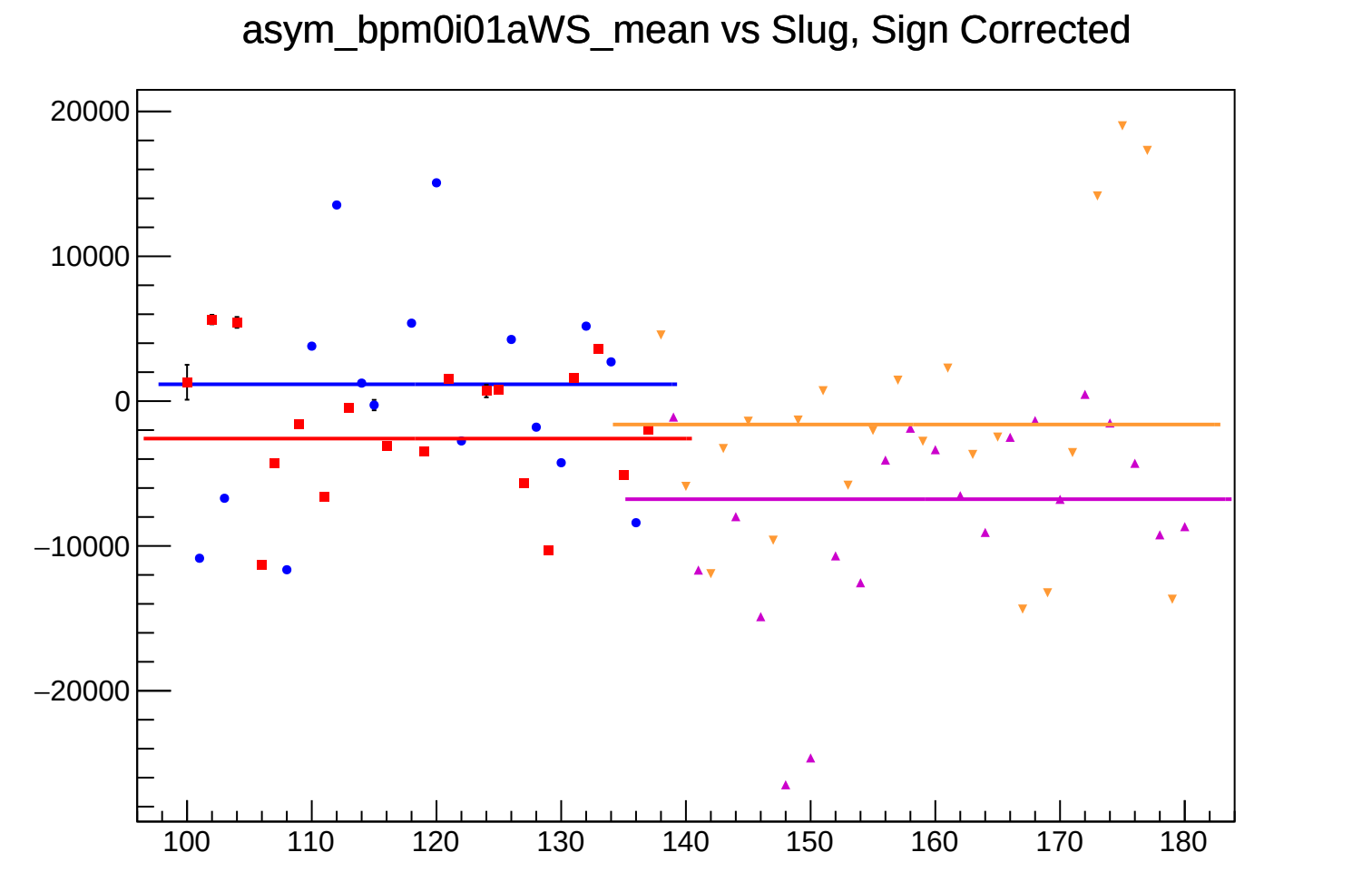
Left: 161.204+/-0.020 χ^2/NDF: 2057642.3/42

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

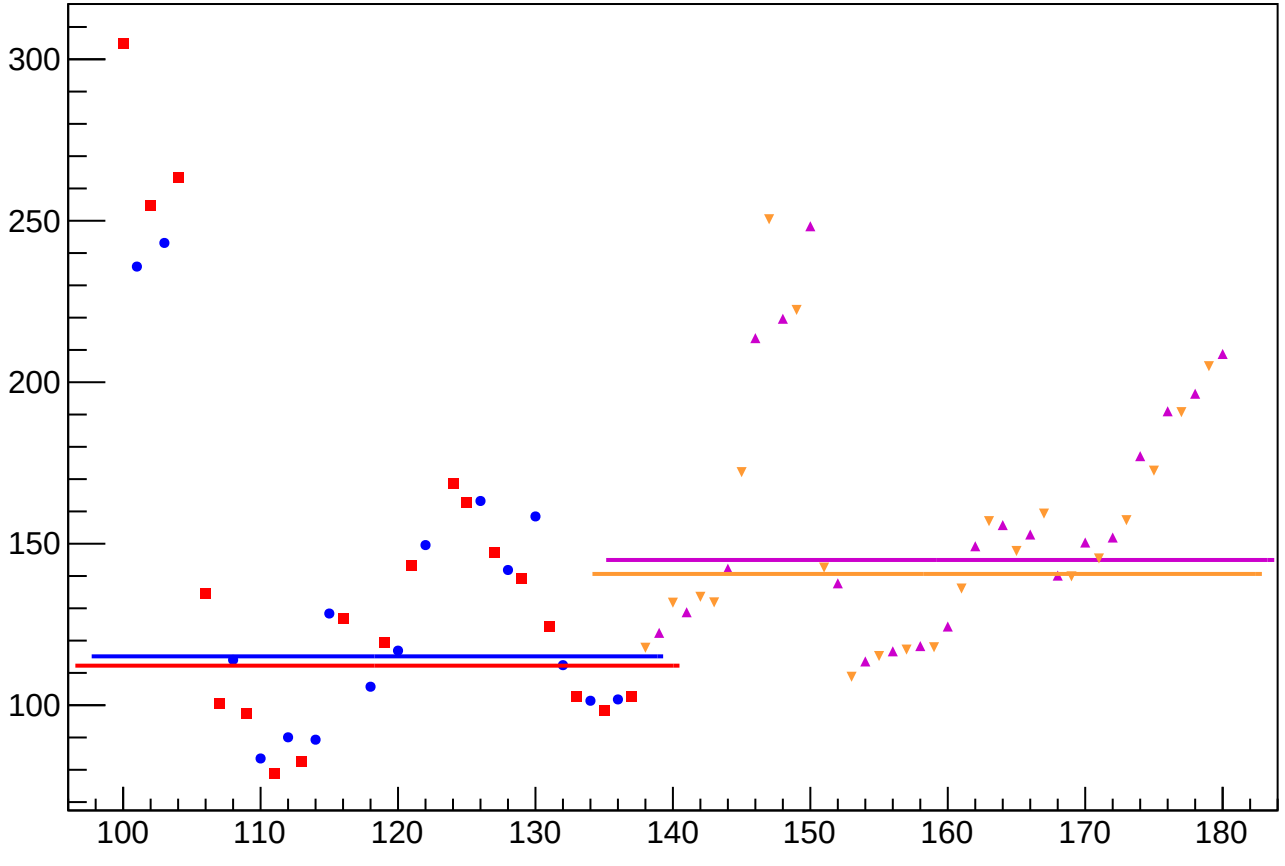
In: 155.497+/-0.023 χ^2/NDF:1977062.2/36

Out: 152.233+/-0.022 χ^2/NDF:1948461.6/40

All: 153.811+/-0.016 χ^2/NDF: 3935941.9/77


asym_bpm0i01aWS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1162.980+/-45.930 χ²/NDF: 30754.3/15
Left Out: -1614.569+/-34.692 χ²/NDF:50469.2/21
Right Out: -2586.755+/-44.256 χ²/NDF: 8099.7/18
Left In: -6771.674+/-36.140 χ²/NDF:25404.7/20
Left: -4087.732+/-25.027 χ²/NDF: 86471.7/42
Right: -781.454+/-31.869 χ²/NDF: 42310.2/34
In: -3737.628+/-28.402 χ²/NDF:74591.5/36
Out: -1984.582+/-27.303 χ²/NDF:58867.8/40
All: -2826.539+/-19.683 χ²/NDF: 135439.4/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.645+/-0.025 χ^2/NDF:1403426.6/21

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 144.969+/-0.026 χ^2/NDF:1547551.6/20

Left: 142.718+/-0.018 χ^2/NDF: 2965878.4/42

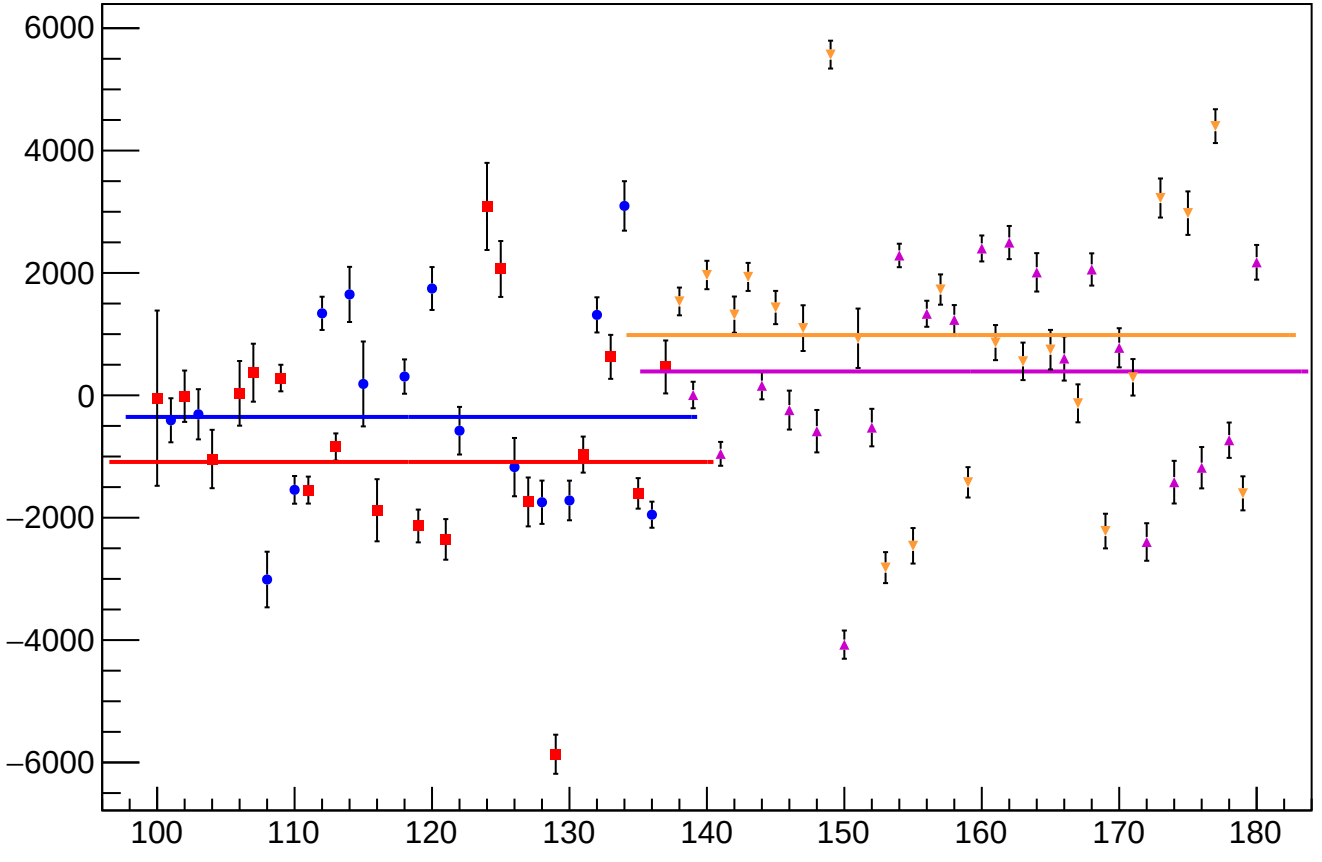
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 133.557+/-0.020 χ^2/NDF:3182031.2/36

Out: 129.834+/-0.019 χ^2/NDF:3241847.2/40

All: 131.622+/-0.014 χ^2/NDF: 6441737.6/77

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 985.051+/-59.452 χ^2/NDF:1387.7/21

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 390.184+/-56.641 χ^2/NDF:981.4/20

Left: 673.222+/-41.009 χ^2/NDF: 2421.6/42

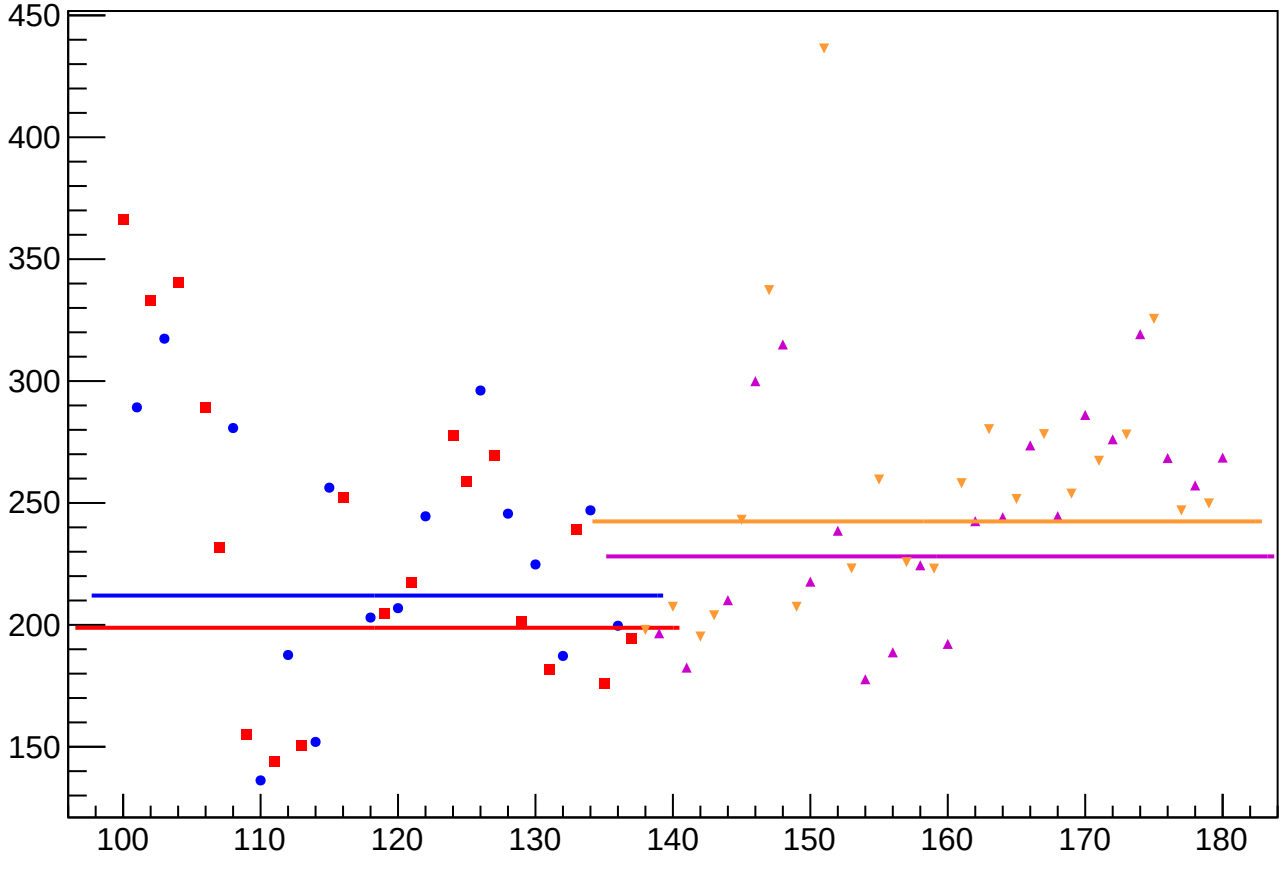
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 150.625+/-46.629 χ^2/NDF:1398.8/36

Out: 203.461+/-46.930 χ^2/NDF:2293.4/40

All: 176.873+/-33.077 χ^2/NDF: 3692.8/77

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.433+/-0.042 χ^2/NDF:983369.2/21

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 228.085+/-0.040 χ^2/NDF:1054981.9/20

Left: 234.912+/-0.029 χ^2/NDF: 2099416.7/42

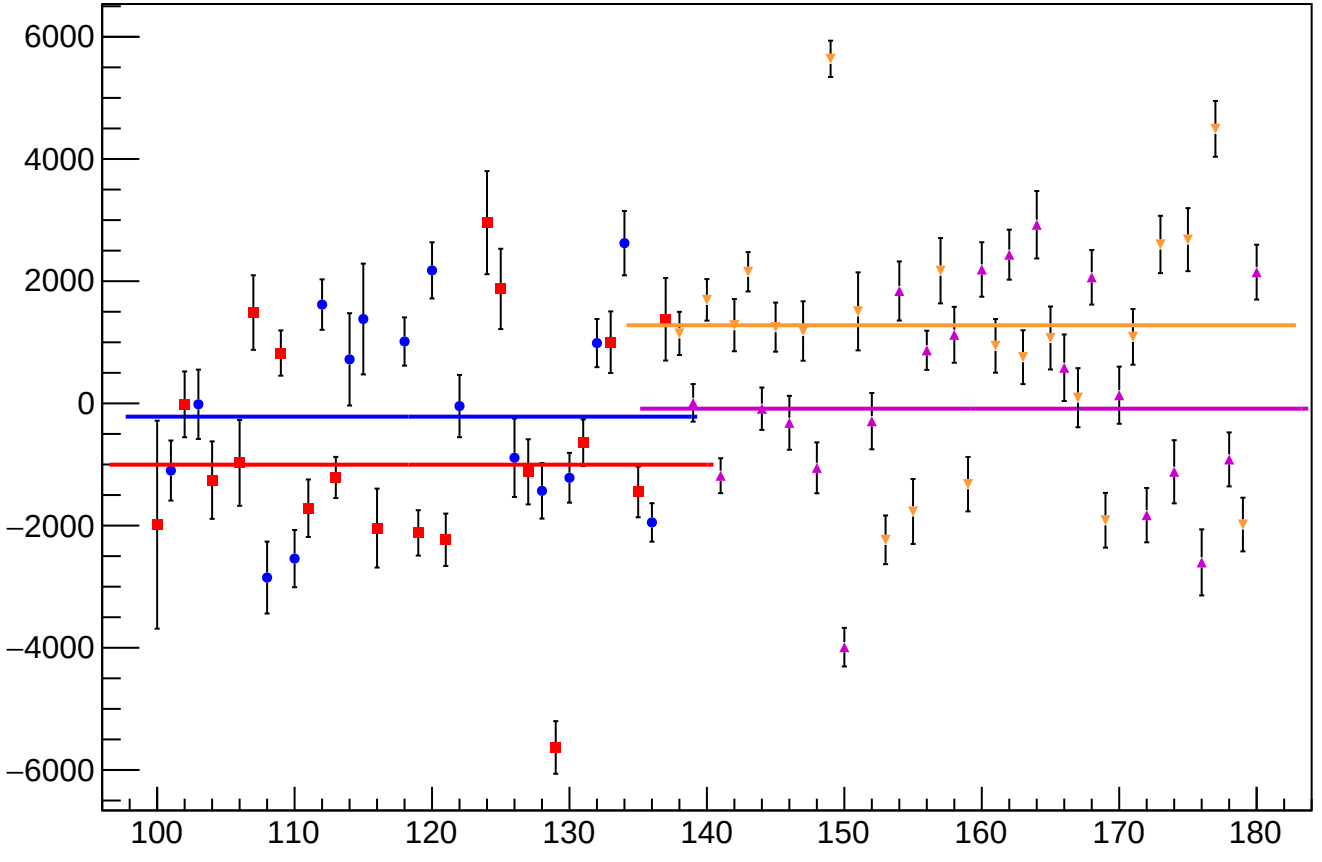
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 222.910+/-0.033 χ^2/NDF:1797145.8/36

Out: 225.992+/-0.033 χ^2/NDF:2364146.4/40

All: 224.441+/-0.023 χ^2/NDF: 4165633.1/77

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1279.128+/-90.983 χ^2/NDF:551.0/21

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -86.371+/-89.417 χ^2/NDF:393.3/20

Left: 584.527+/-63.774 χ^2/NDF: 1058.9/42

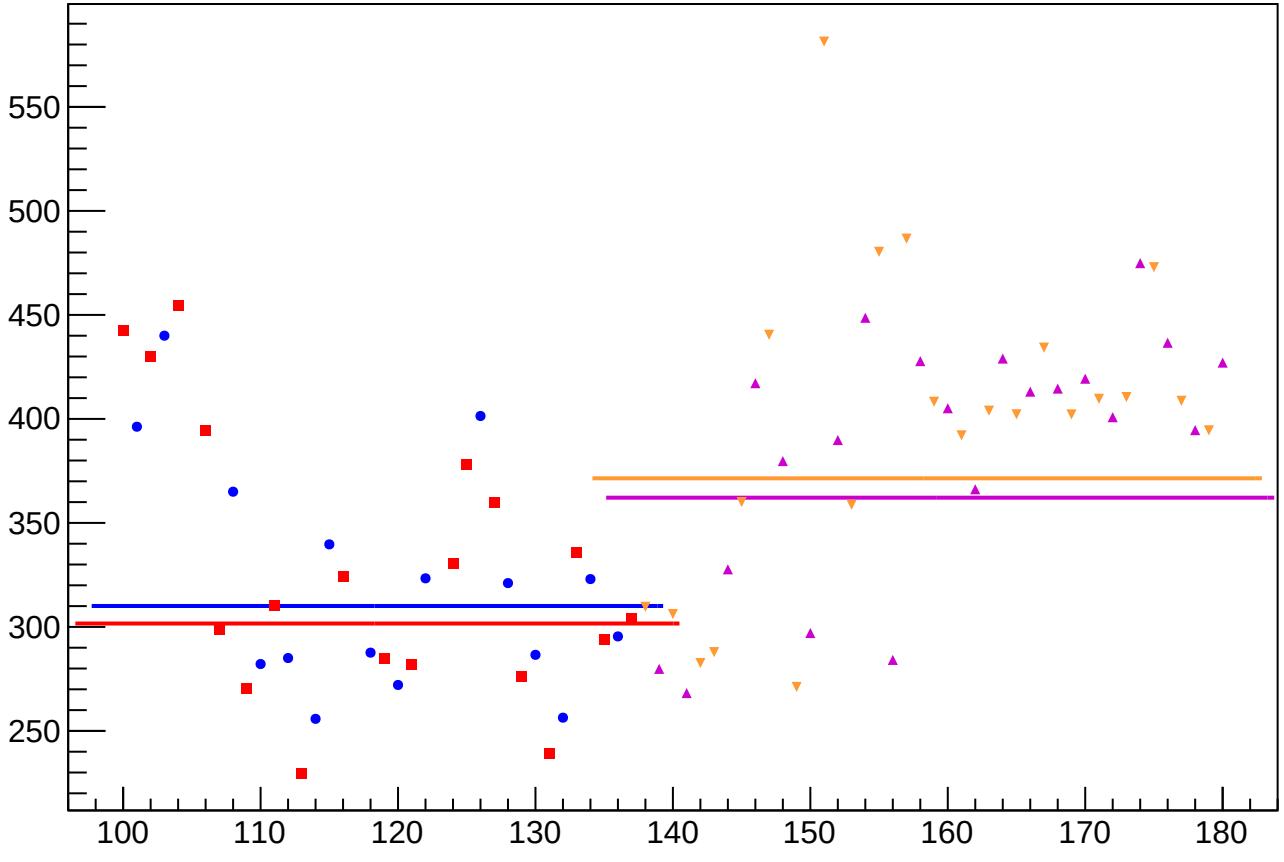
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -134.059+/-71.242 χ^2/NDF:586.2/36

Out: 382.594+/-70.894 χ^2/NDF:1052.5/40

All: 125.531+/-50.252 χ^2/NDF: 1665.2/77

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 371.443+/-0.064 χ^2/NDF:1223752.7/21

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 362.130+/-0.063 χ^2/NDF:1053196.6/20

Left: 366.706+/-0.045 χ^2/NDF: 2287608.0/42

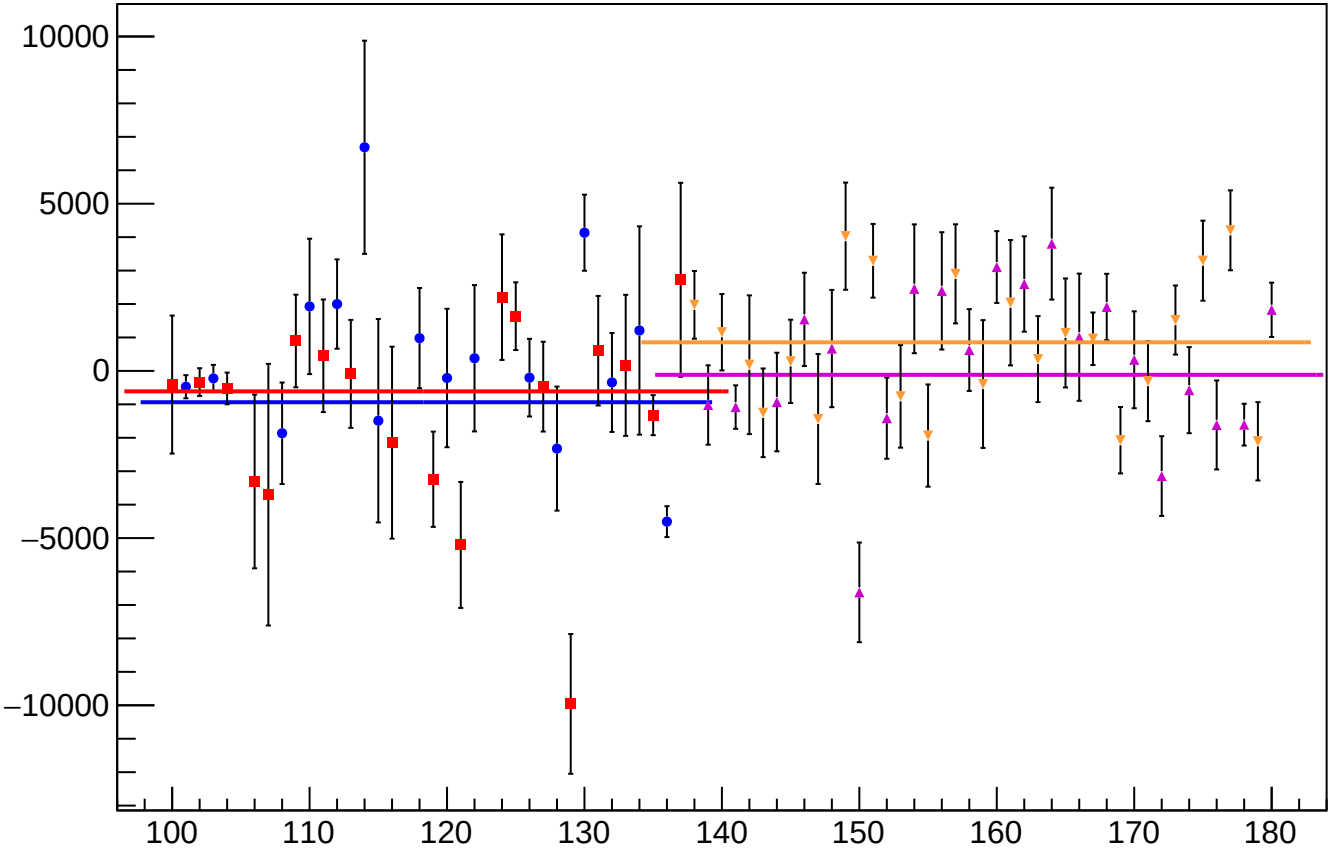
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 343.114+/-0.050 χ^2/NDF:1624149.3/36

Out: 344.020+/-0.050 χ^2/NDF:2206136.8/40

All: 343.569+/-0.036 χ^2/NDF: 3830448.6/77

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 854.901+/-268.095 χ^2/NDF:50.2/21

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -117.116+/-248.406 χ^2/NDF:71.2/20

Left: 331.892+/-182.213 χ^2/NDF: 128.4/42

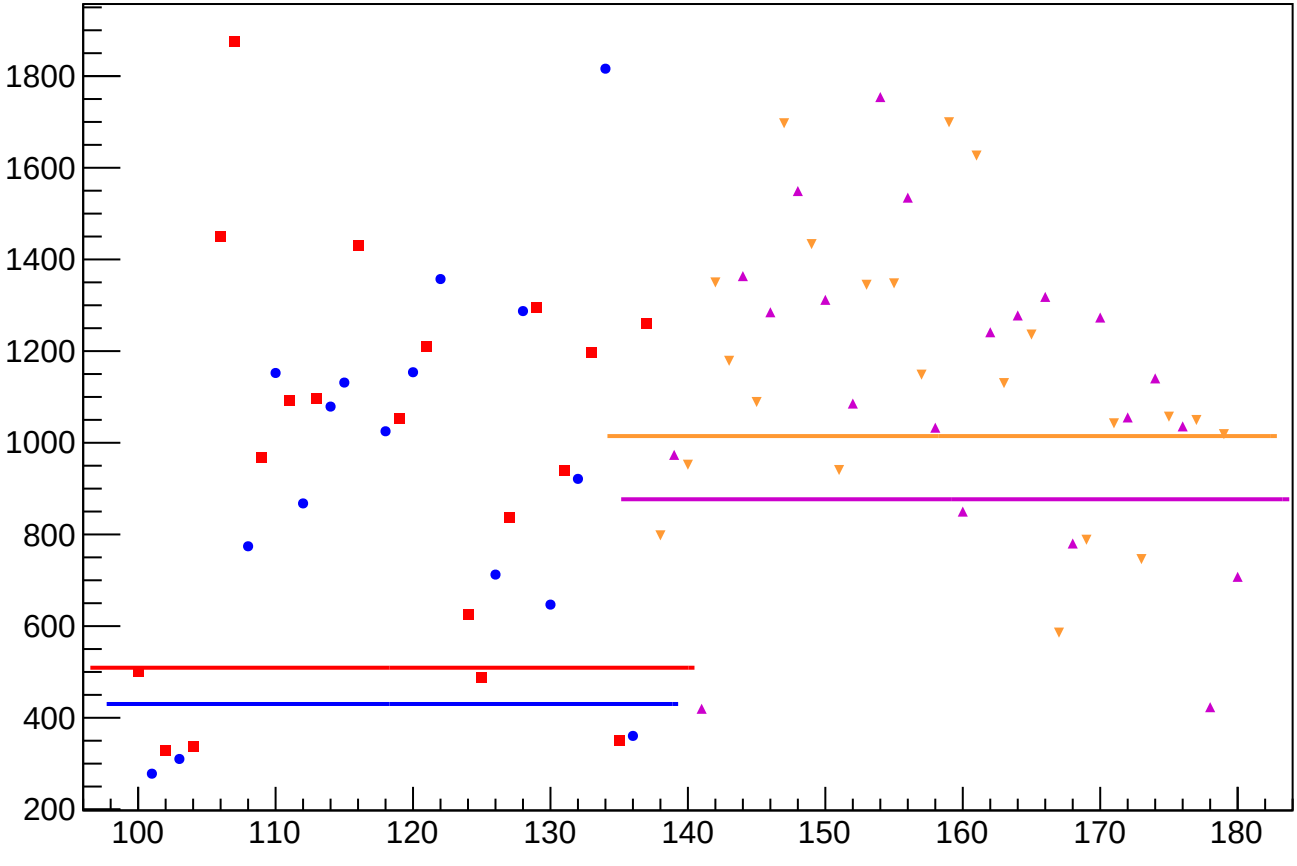
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -605.351+/-157.981 χ^2/NDF:178.8/36

Out: 19.849+/-175.926 χ^2/NDF:111.3/40

All: -326.254+/-117.543 χ^2/NDF: 297.2/77

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.635+/-0.190 χ^2/NDF:2148401.9/21

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 876.763+/-0.176 χ^2/NDF:4467036.1/20

Left: 940.451+/-0.129 χ^2/NDF: 6900044.0/42

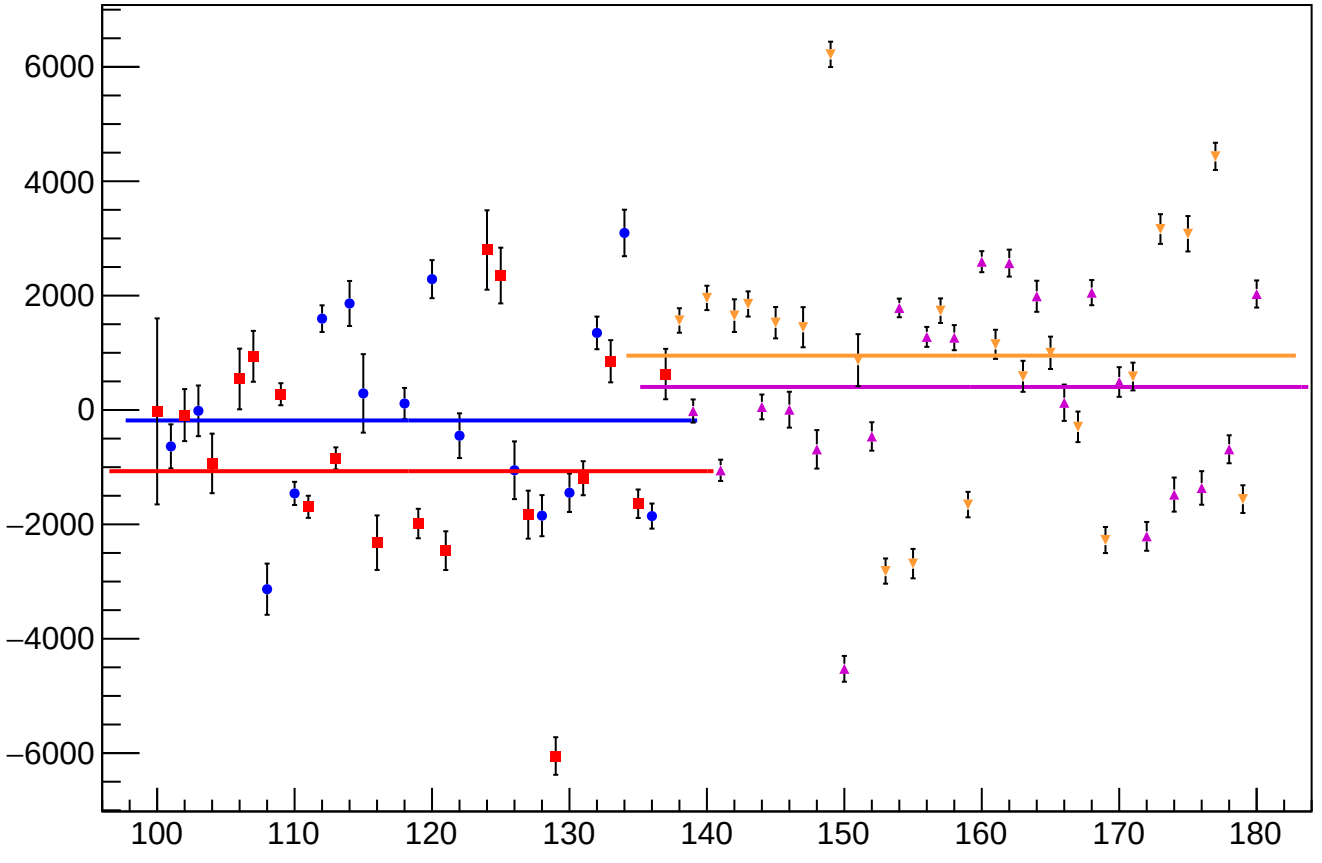
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 610.768+/-0.112 χ^2/NDF:11839682.9/36

Out: 726.865+/-0.124 χ^2/NDF:9868820.2/40

All: 662.595+/-0.083 χ^2/NDF: 22190672.7/77

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 950.838+/-53.258 χ^2/NDF:1934.3/21

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 402.695+/-49.979 χ^2/NDF:1250.0/20

Left: 659.376+/-36.444 χ^2/NDF: 3240.7/42

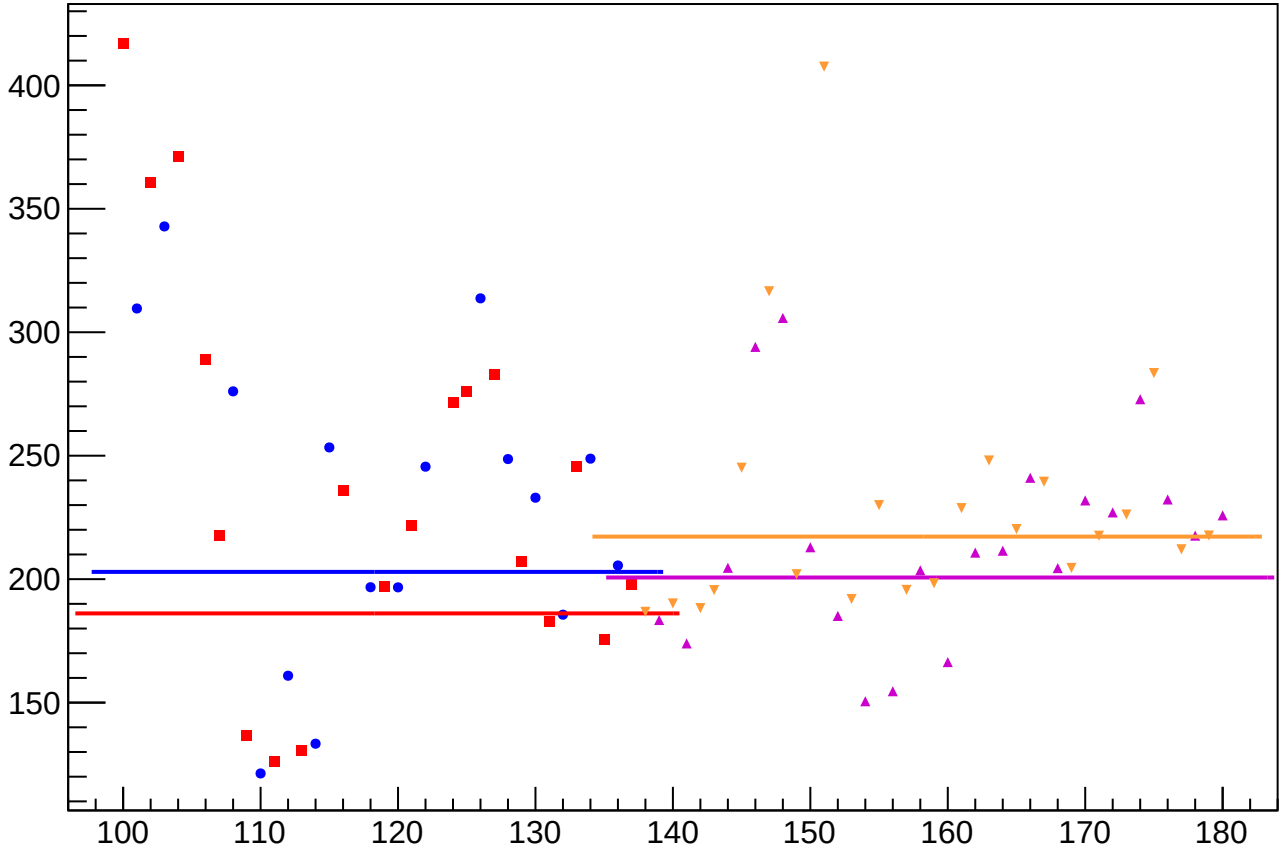
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 237.862+/-42.367 χ^2/NDF:1706.4/36

Out: 249.719+/-43.037 χ^2/NDF:2926.1/40

All: 243.698+/-30.192 χ^2/NDF: 4632.5/77

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.233+/-0.038 χ^2/NDF:865016.3/21

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 200.670+/-0.035 χ^2/NDF:1104973.8/20

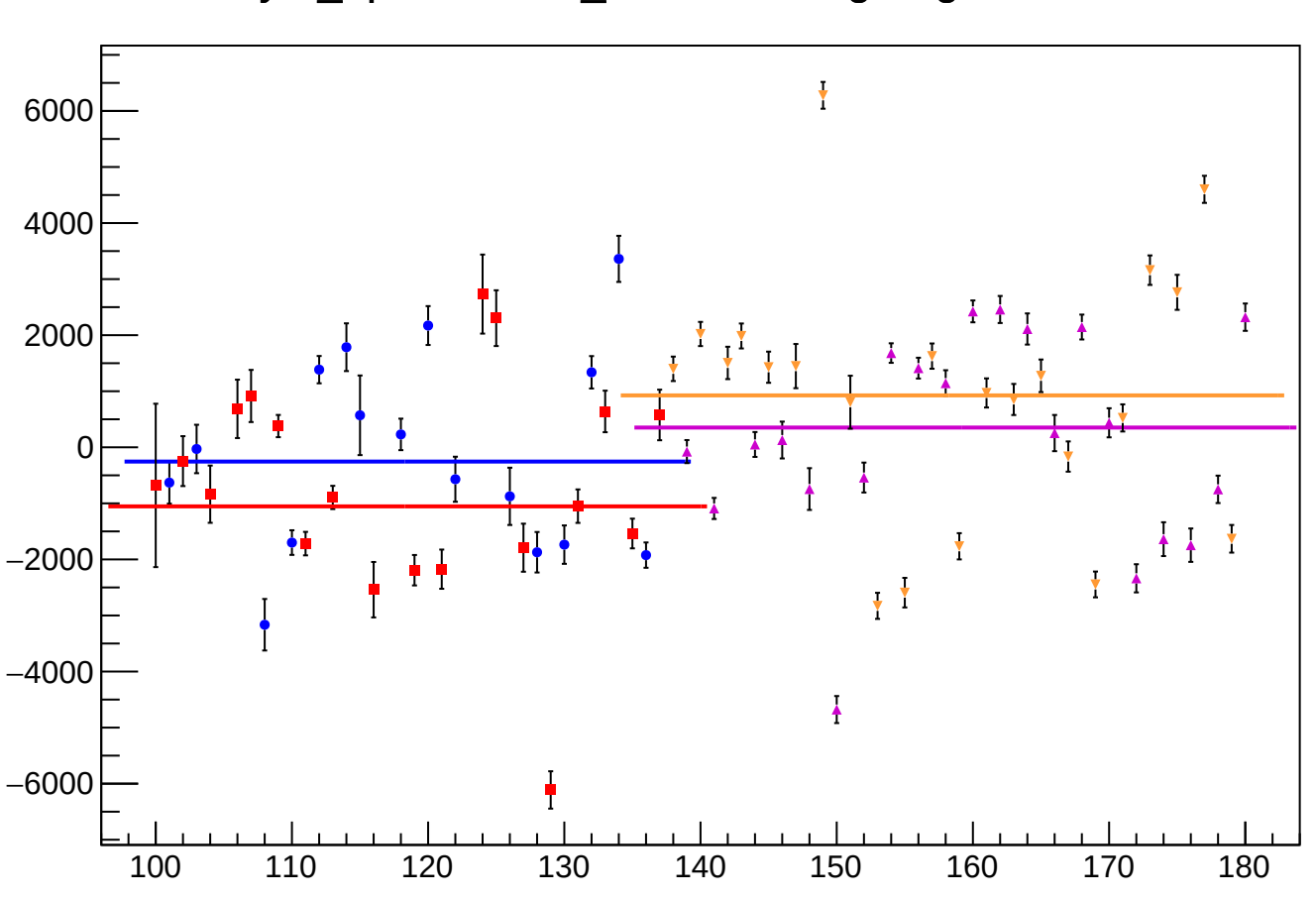
Left: 208.426+/-0.026 χ^2/NDF: 2072851.1/42

Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.309+/-0.030 χ^2/NDF:2177995.6/36

Out: 206.440+/-0.030 χ^2/NDF:2583393.0/40

All: 203.834+/-0.021 χ^2/NDF: 4775827.2/77



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 925.902+/-54.676 χ^2/NDF:1826.0/21

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 352.256+/-51.739 χ^2/NDF:1211.7/20

Left: 623.263+/-37.581 χ^2/NDF: 3095.8/42

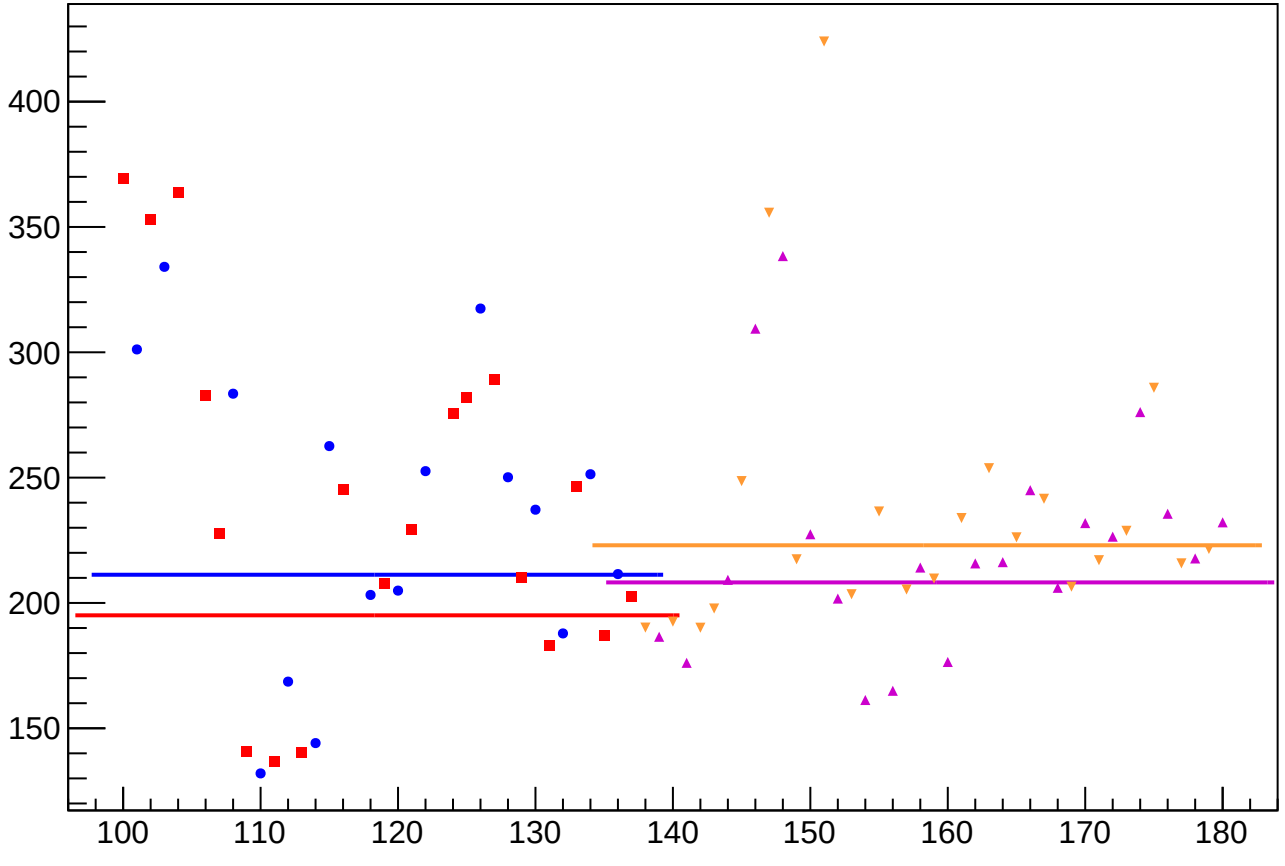
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 180.955+/-43.831 χ^2/NDF:1659.8/36

Out: 250.392+/-44.377 χ^2/NDF:2751.0/40

All: 215.244+/-31.185 χ^2/NDF: 4412.0/77

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.007+/-0.039 χ^2/NDF:914687.6/21

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 208.194+/-0.037 χ^2/NDF:1033963.0/20

Left: 215.192+/-0.027 χ^2/NDF: 2026104.7/42

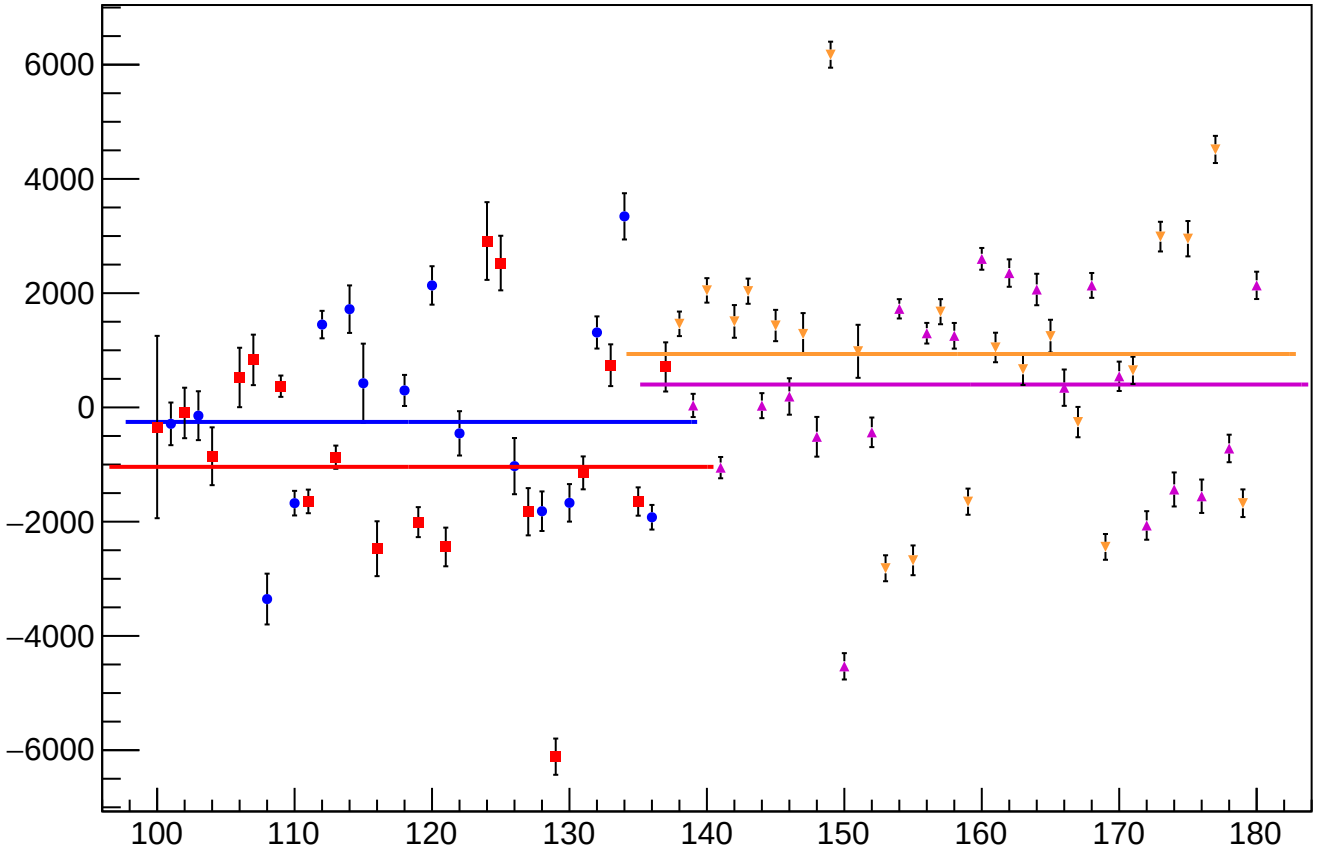
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 209.058+/-0.031 χ^2/NDF:1920301.7/36

Out: 213.471+/-0.031 χ^2/NDF:2377858.3/40

All: 211.237+/-0.022 χ^2/NDF: 4308174.2/77

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 935.170+/-53.731 χ^2/NDF:1894.2/21

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 400.761+/-50.709 χ^2/NDF:1197.0/20

Left: 652.515+/-36.878 χ^2/NDF: 3143.6/42

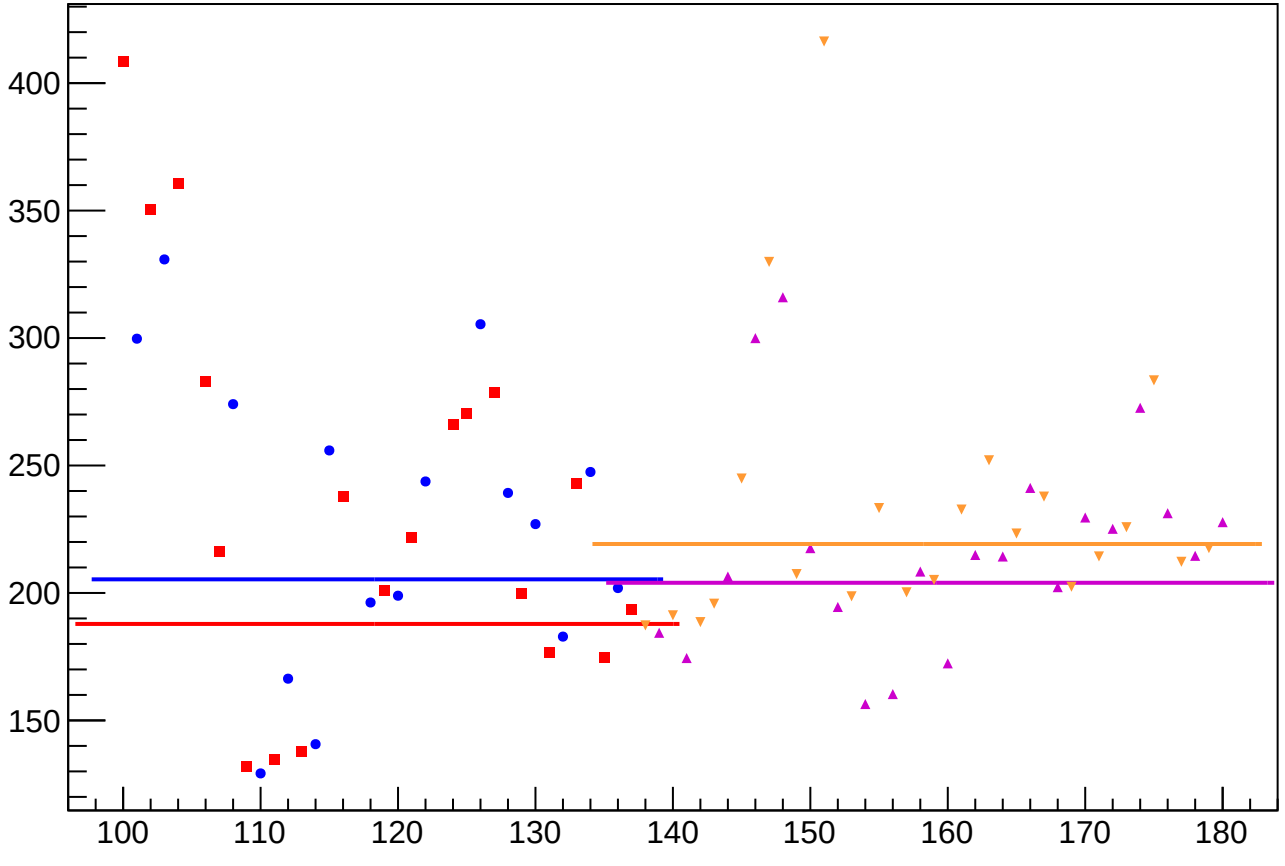
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 213.824+/-42.863 χ^2/NDF:1676.7/36

Out: 245.458+/-43.348 χ^2/NDF:2899.6/40

All: 229.463+/-30.479 χ^2/NDF: 4576.5/77

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.208+/-0.038 χ^2/NDF:880641.6/21

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 203.995+/-0.036 χ^2/NDF:1013753.4/20

Left: 211.162+/-0.026 χ^2/NDF: 1979195.7/42

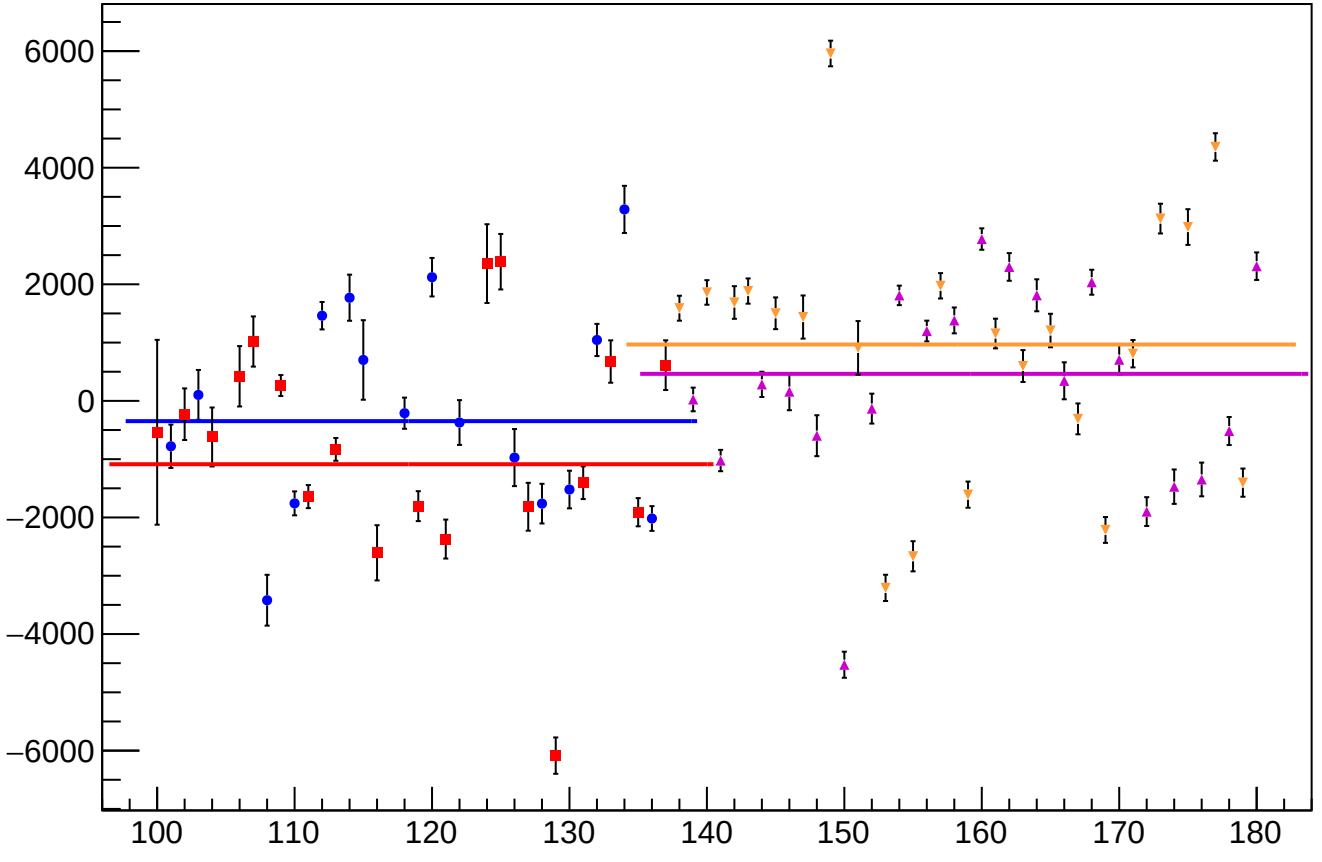
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 204.380+/-0.030 χ^2/NDF:1891554.2/36

Out: 208.260+/-0.031 χ^2/NDF:2455554.3/40

All: 206.298+/-0.022 χ^2/NDF: 4355210.6/77

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 966.721+/-53.069 χ^2/NDF:1917.0/21

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 463.627+/-50.074 χ^2/NDF:1230.7/20

Left: 700.580+/-36.420 χ^2/NDF: 3195.3/42

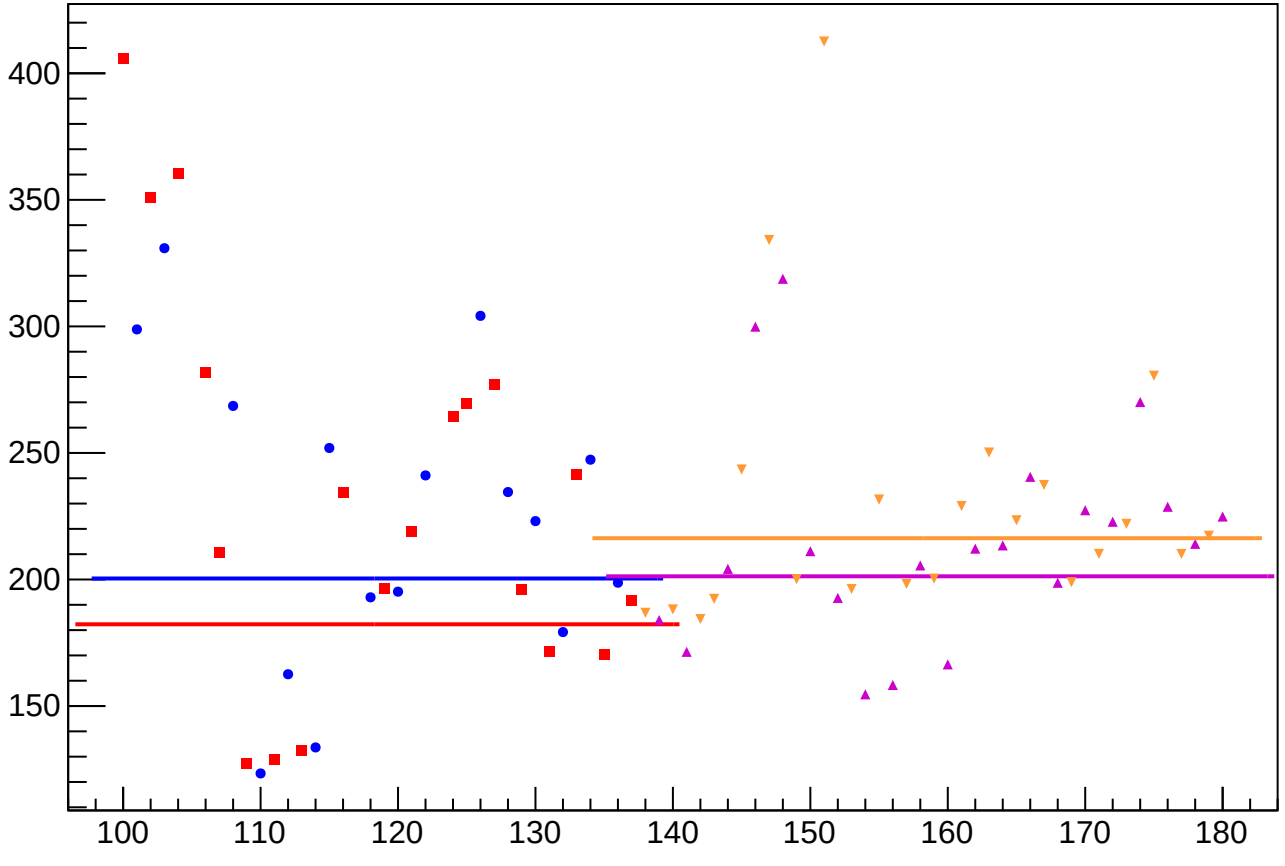
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 229.271+/-42.227 χ^2/NDF:1752.3/36

Out: 237.861+/-42.622 χ^2/NDF:2975.6/40

All: 233.526+/-29.998 χ^2/NDF: 4728.0/77

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.313+/-0.038 χ^2/NDF:921141.7/21

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 201.260+/-0.035 χ^2/NDF:1061500.4/20

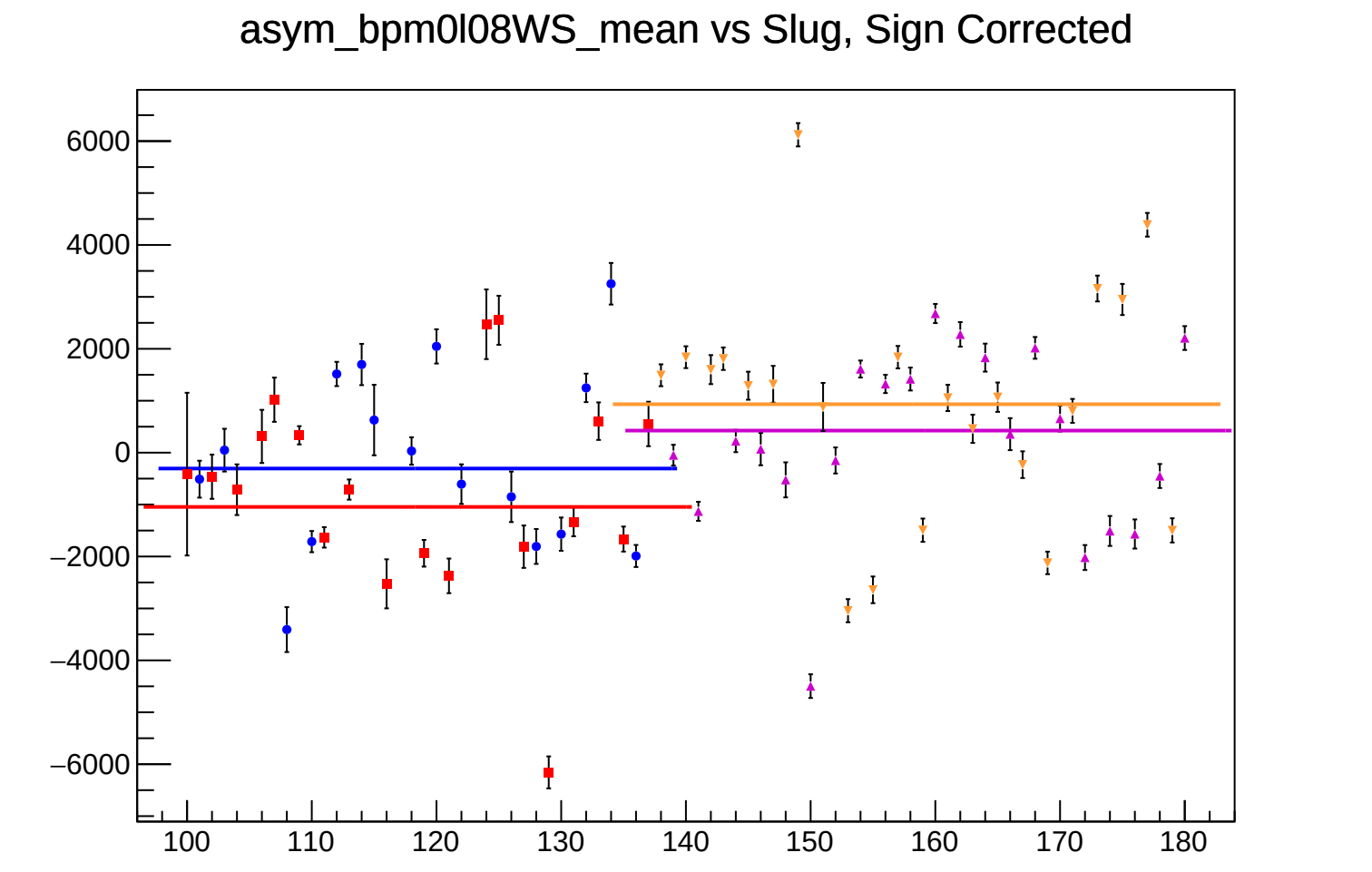
Left: 208.350+/-0.026 χ^2/NDF: 2067772.1/42

Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 201.011+/-0.030 χ^2/NDF:2020672.0/36

Out: 204.241+/-0.030 χ^2/NDF:2659940.0/40

All: 202.611+/-0.021 χ^2/NDF: 4686406.1/77



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 932.656+/-52.423 χ^2/NDF:1919.7/21

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 425.149+/-49.315 χ^2/NDF:1227.1/20

Left: 663.413+/-35.919 χ^2/NDF: 3196.5/42

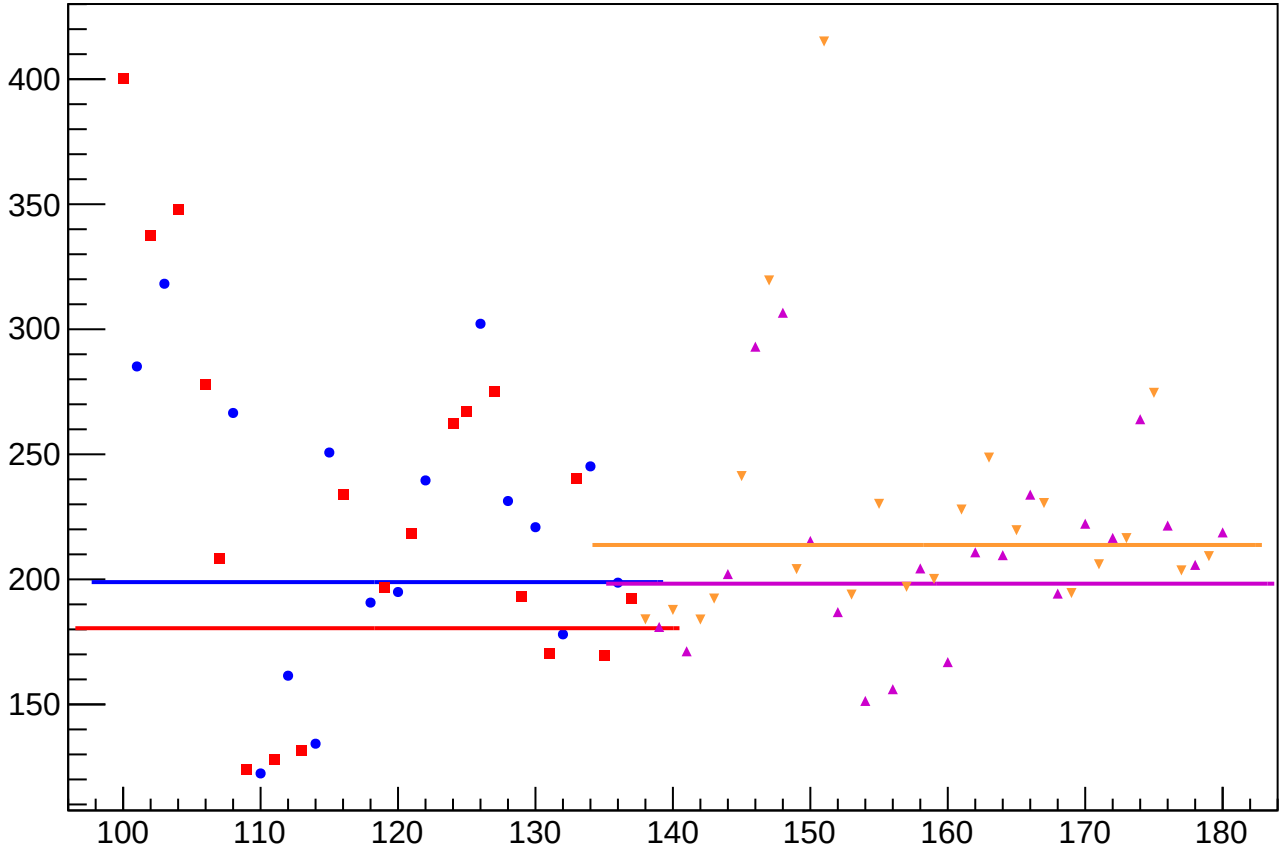
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 215.948+/-41.662 χ^2/NDF:1741.8/36

Out: 232.609+/-42.136 χ^2/NDF:2975.7/40

All: 224.184+/-29.626 χ^2/NDF: 4717.5/77

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.753+/-0.037 χ^2/NDF:891082.3/21

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 198.274+/-0.035 χ^2/NDF:1005348.9/20

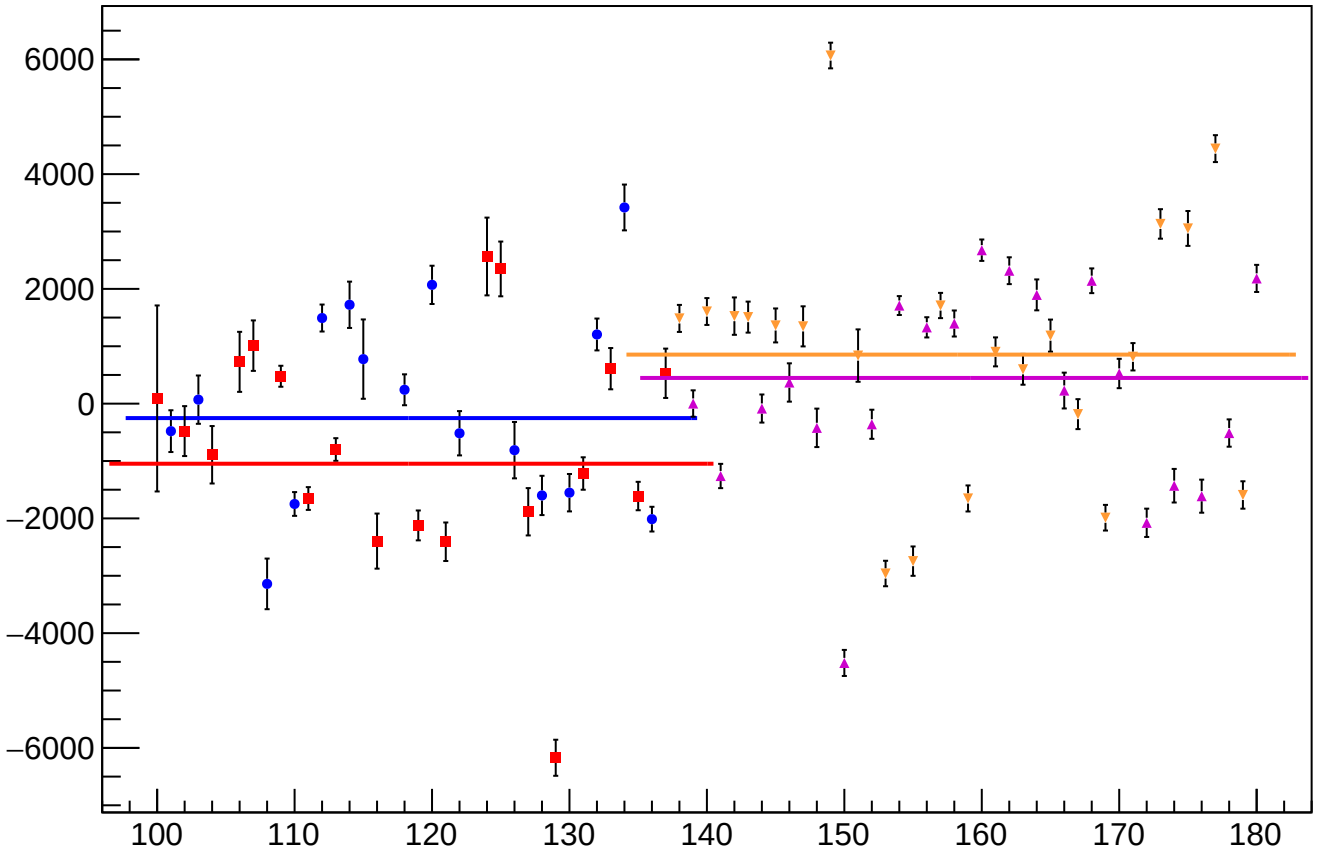
Left: 205.541+/-0.025 χ^2/NDF: 1988930.4/42

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 198.454+/-0.029 χ^2/NDF:1918206.8/36

Out: 201.973+/-0.030 χ^2/NDF:2610818.6/40

All: 200.194+/-0.021 χ^2/NDF: 4536078.6/77



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 854.679+/-54.581 χ^2/NDF:1854.7/21

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 447.808+/-51.113 χ^2/NDF:1235.1/20

Left: 637.906+/-37.308 χ^2/NDF: 3119.4/42

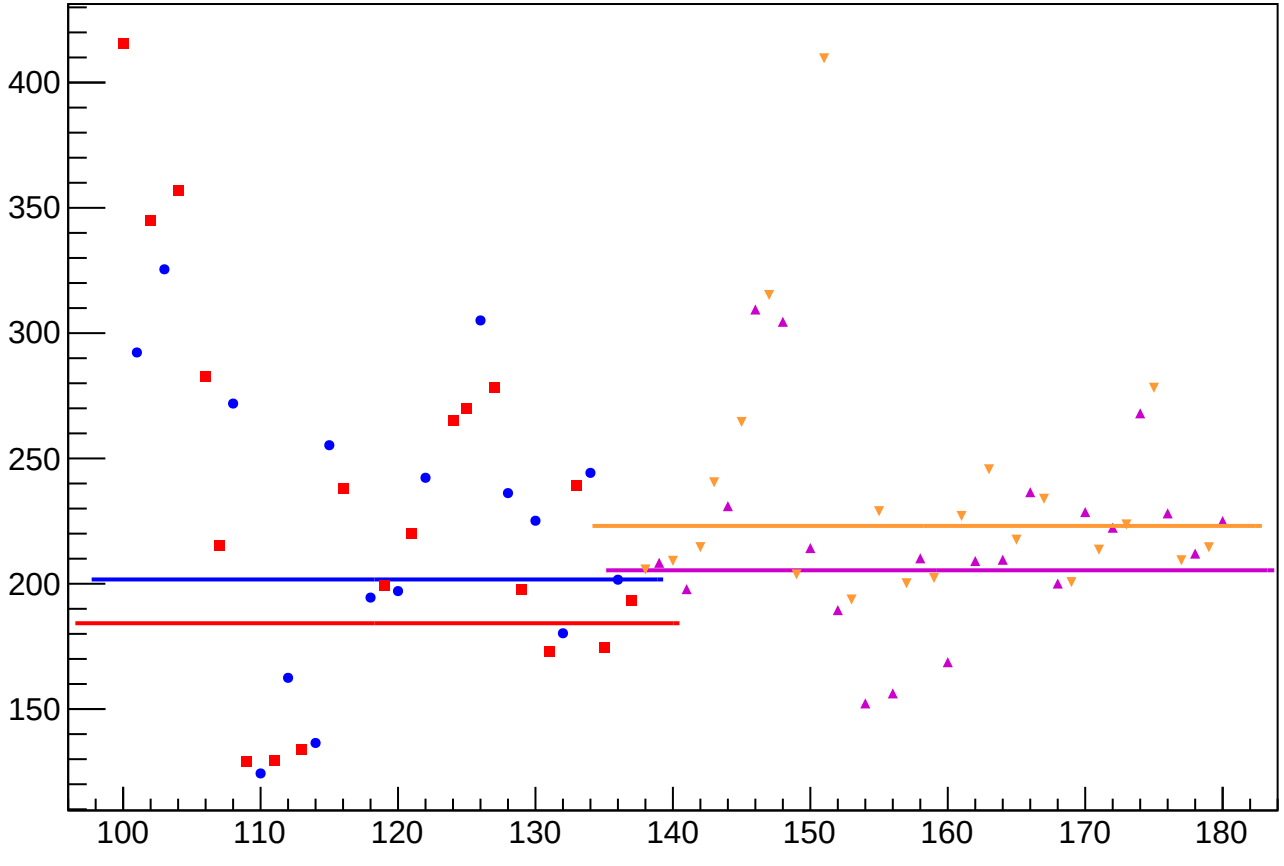
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 241.272+/-42.910 χ^2/NDF:1731.6/36

Out: 162.936+/-43.538 χ^2/NDF:2843.0/40

All: 202.673+/-30.561 χ^2/NDF: 4576.3/77

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.078+/-0.039 χ^2/NDF:746640.0/21

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 205.369+/-0.036 χ^2/NDF:1013799.6/20

Left: 213.643+/-0.026 χ^2/NDF: 1872612.0/42

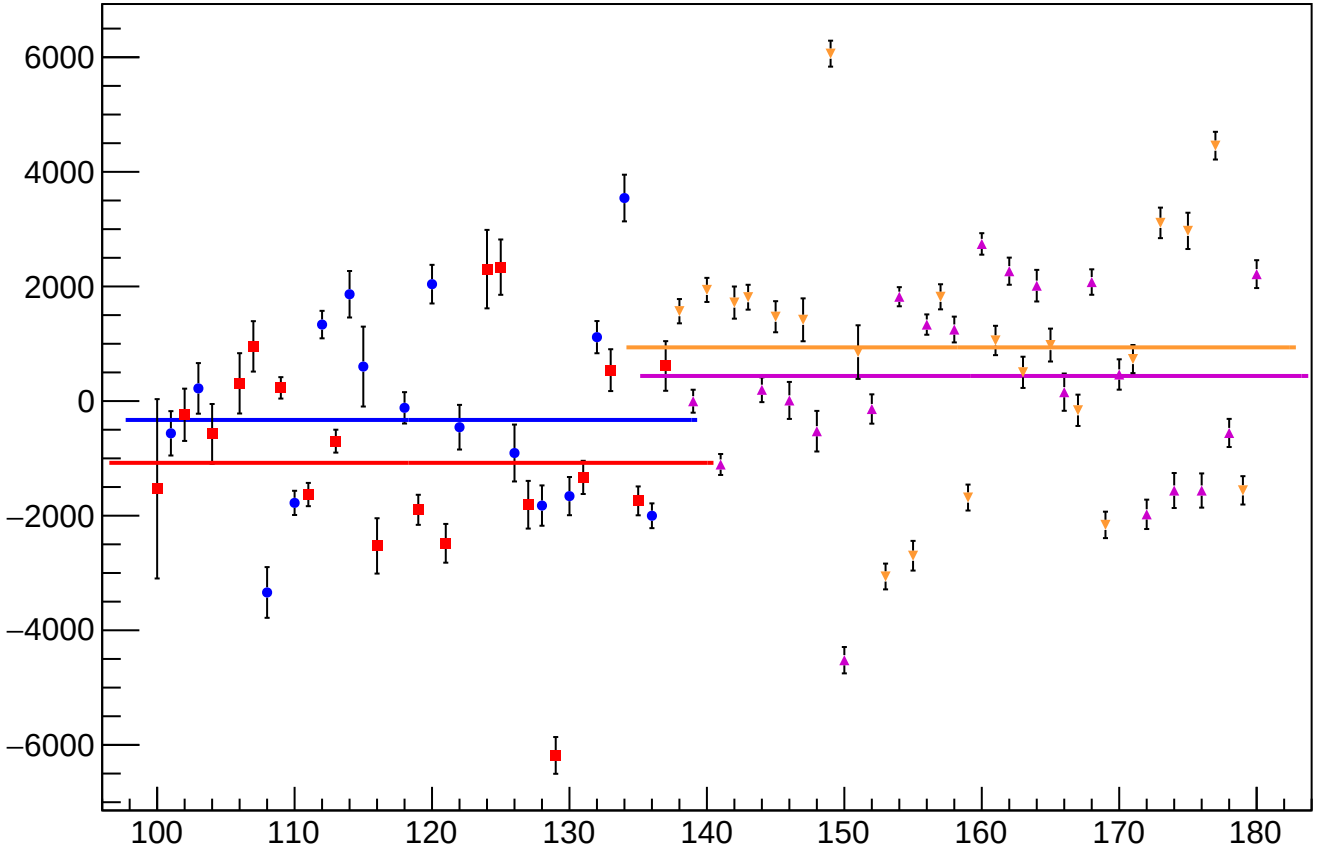
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 204.290+/-0.030 χ^2/NDF:1941029.3/36

Out: 208.953+/-0.031 χ^2/NDF:2518653.7/40

All: 206.587+/-0.022 χ^2/NDF: 4471321.5/77

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 937.214+/-53.778 χ^2/NDF:1856.8/21

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 438.186+/-50.674 χ^2/NDF:1208.3/20

Left: 672.882+/-36.881 χ^2/NDF: 3110.7/42

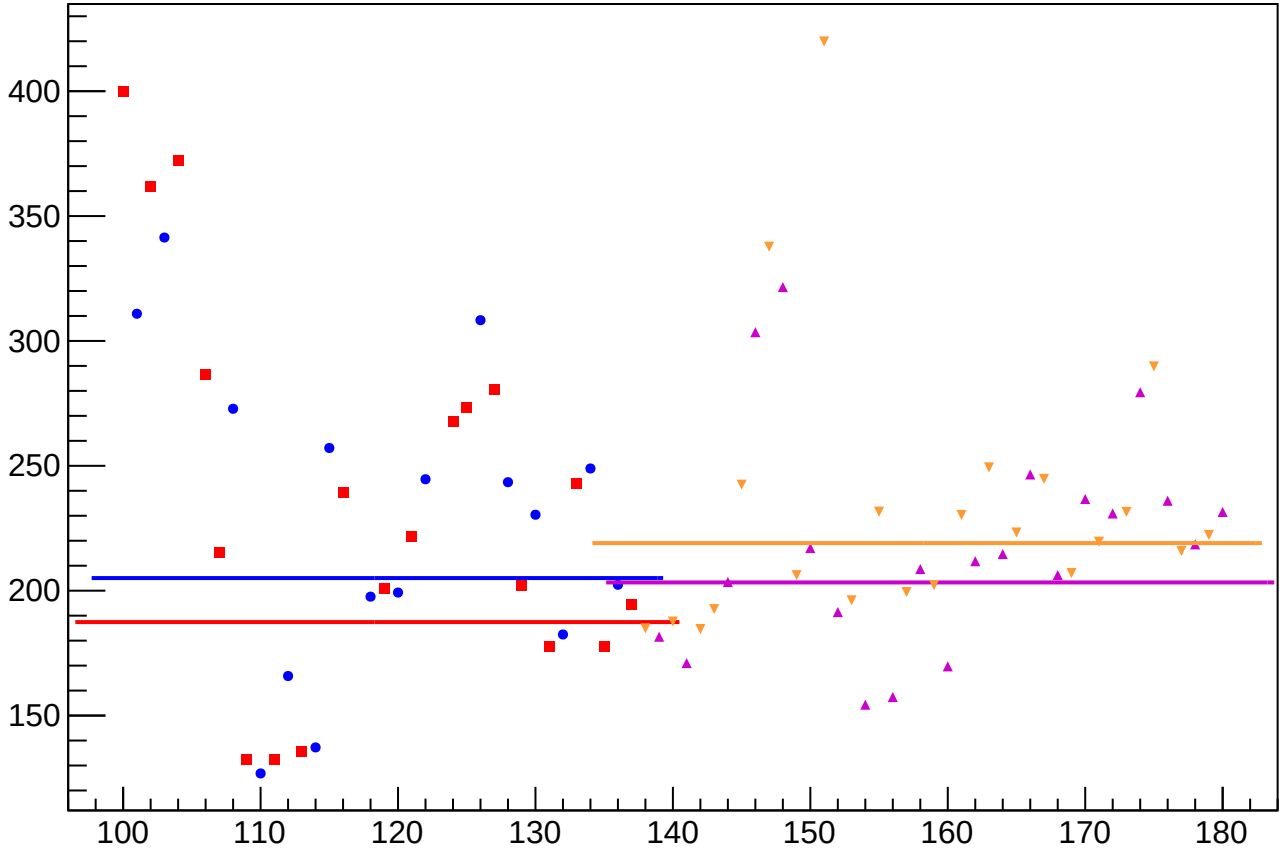
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 219.836+/-42.865 χ^2/NDF:1709.9/36

Out: 233.393+/-43.382 χ^2/NDF:2849.2/40

All: 226.533+/-30.491 χ^2/NDF: 4559.1/77

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.055+/-0.038 χ^2/NDF:956451.9/21

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 203.306+/-0.036 χ^2/NDF:1163681.7/20

Left: 210.713+/-0.026 χ^2/NDF: 2210982.7/42

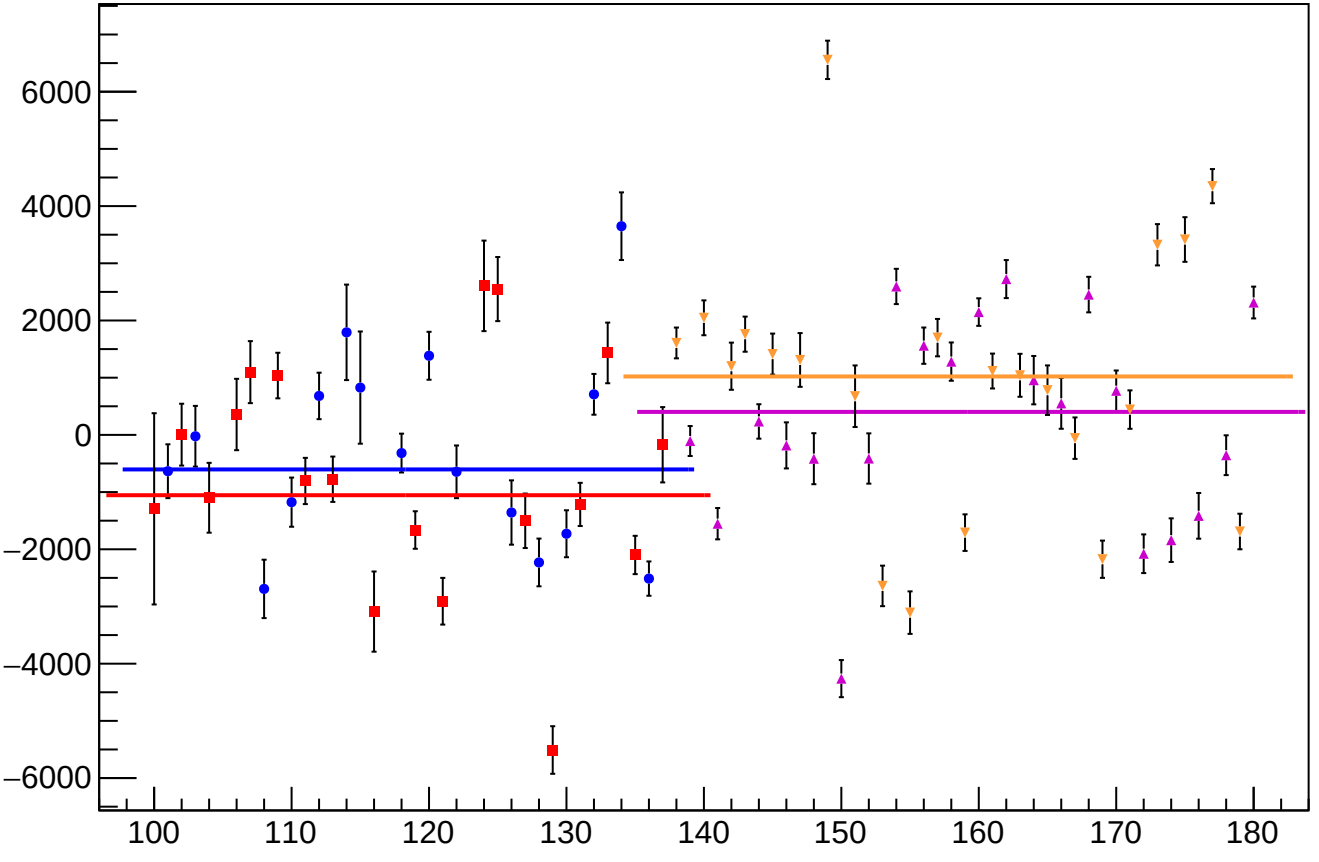
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 203.803+/-0.030 χ^2/NDF:2127409.5/36

Out: 208.010+/-0.031 χ^2/NDF:2608805.5/40

All: 205.881+/-0.022 χ^2/NDF: 4745729.2/77

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1021.585+/-73.543 χ^2/NDF:990.7/21

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 401.963+/-72.079 χ^2/NDF:649.9/20

Left: 705.546+/-51.477 χ^2/NDF: 1676.8/42

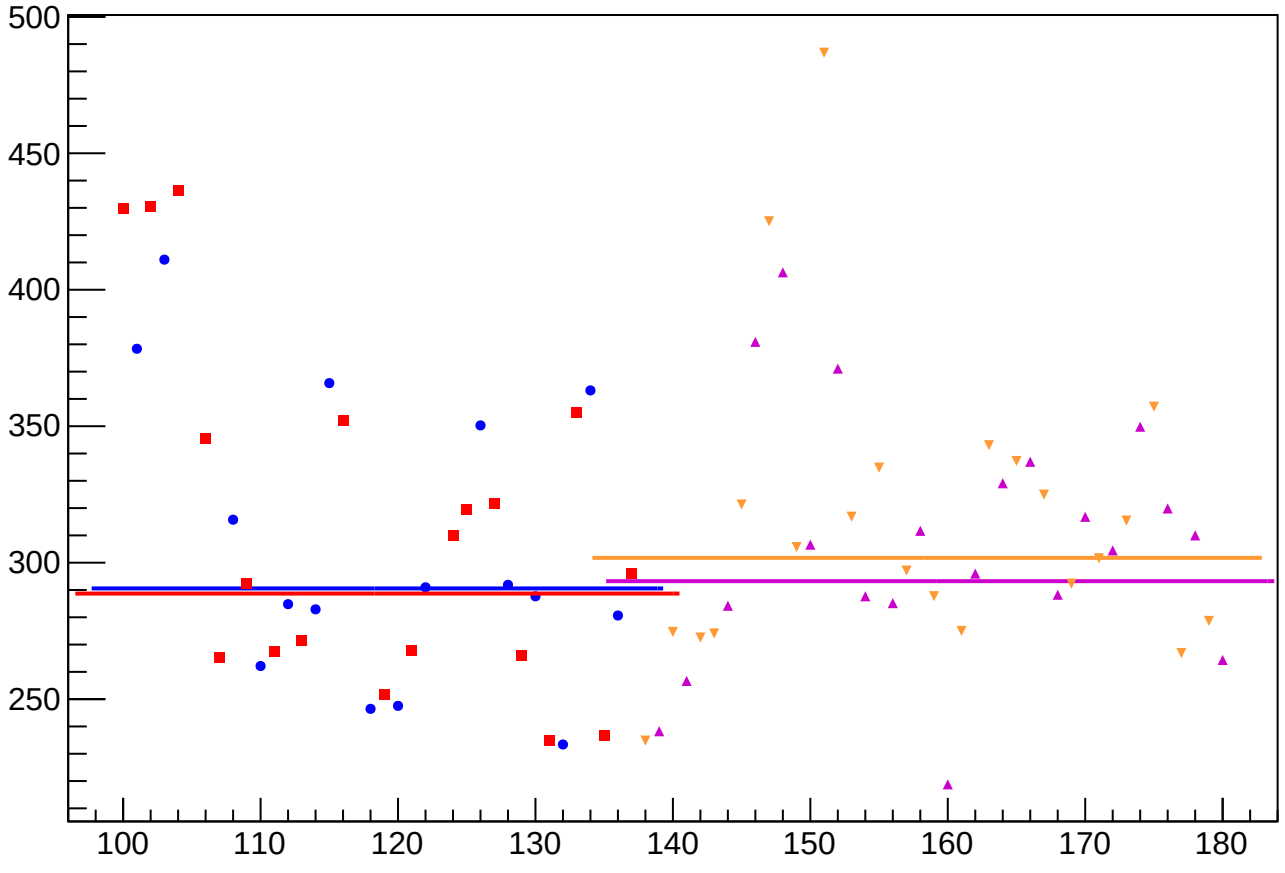
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 102.472+/-60.402 χ^2/NDF:901.5/36

Out: 366.058+/-60.834 χ^2/NDF:1540.0/40

All: 233.325+/-42.863 χ^2/NDF: 2450.9/77

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.774+/-0.052 χ^2/NDF:714119.7/21

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 293.229+/-0.051 χ^2/NDF:738621.3/20

Left: 297.415+/-0.036 χ^2/NDF: 1466513.6/42

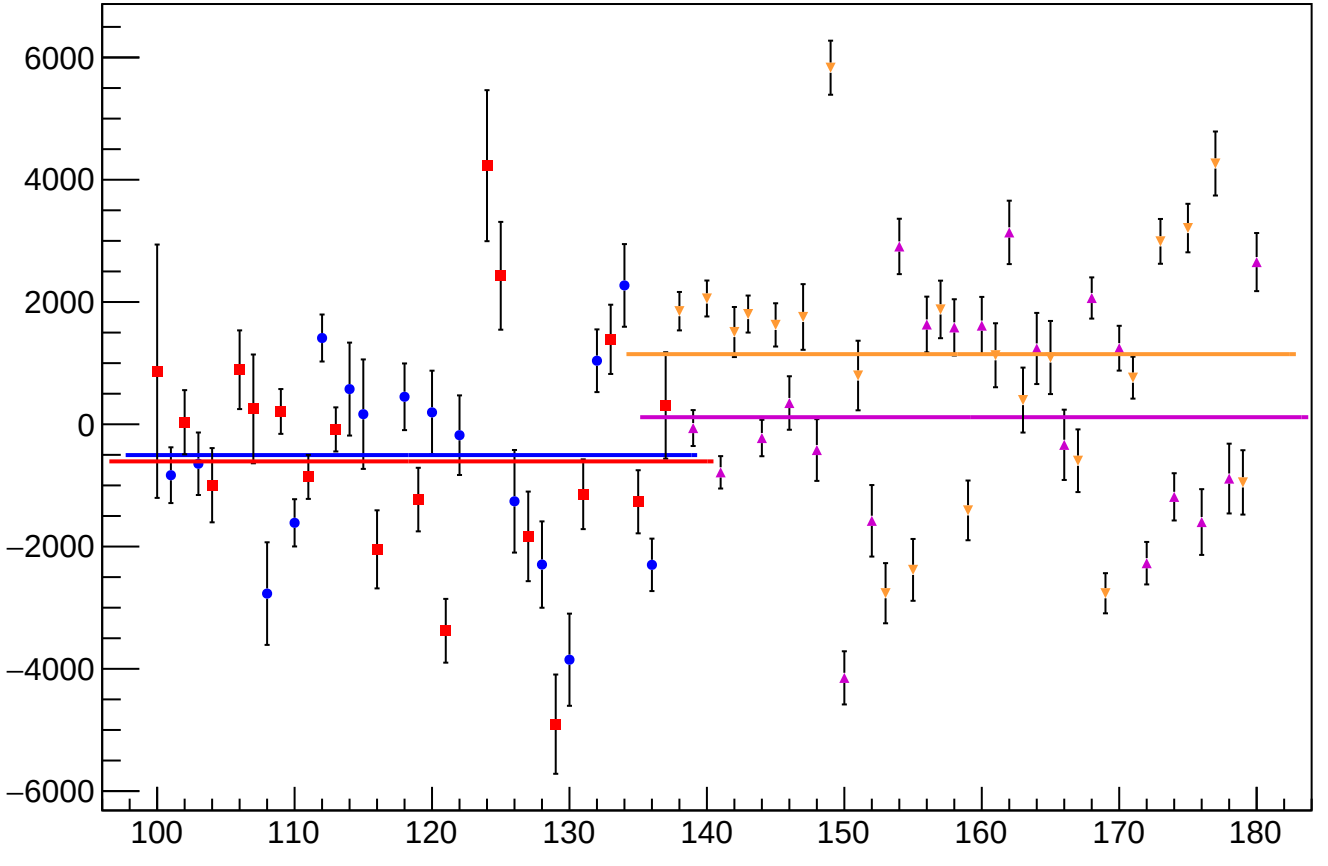
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 292.436+/-0.043 χ^2/NDF:1099240.8/36

Out: 297.641+/-0.043 χ^2/NDF:1223214.1/40

All: 295.020+/-0.030 χ^2/NDF: 2329829.4/77

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1147.237+/-88.536 χ^2/NDF:537.7/21

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 116.033+/-89.347 χ^2/NDF:370.2/20

Left: 636.339+/-62.889 χ^2/NDF: 975.1/42

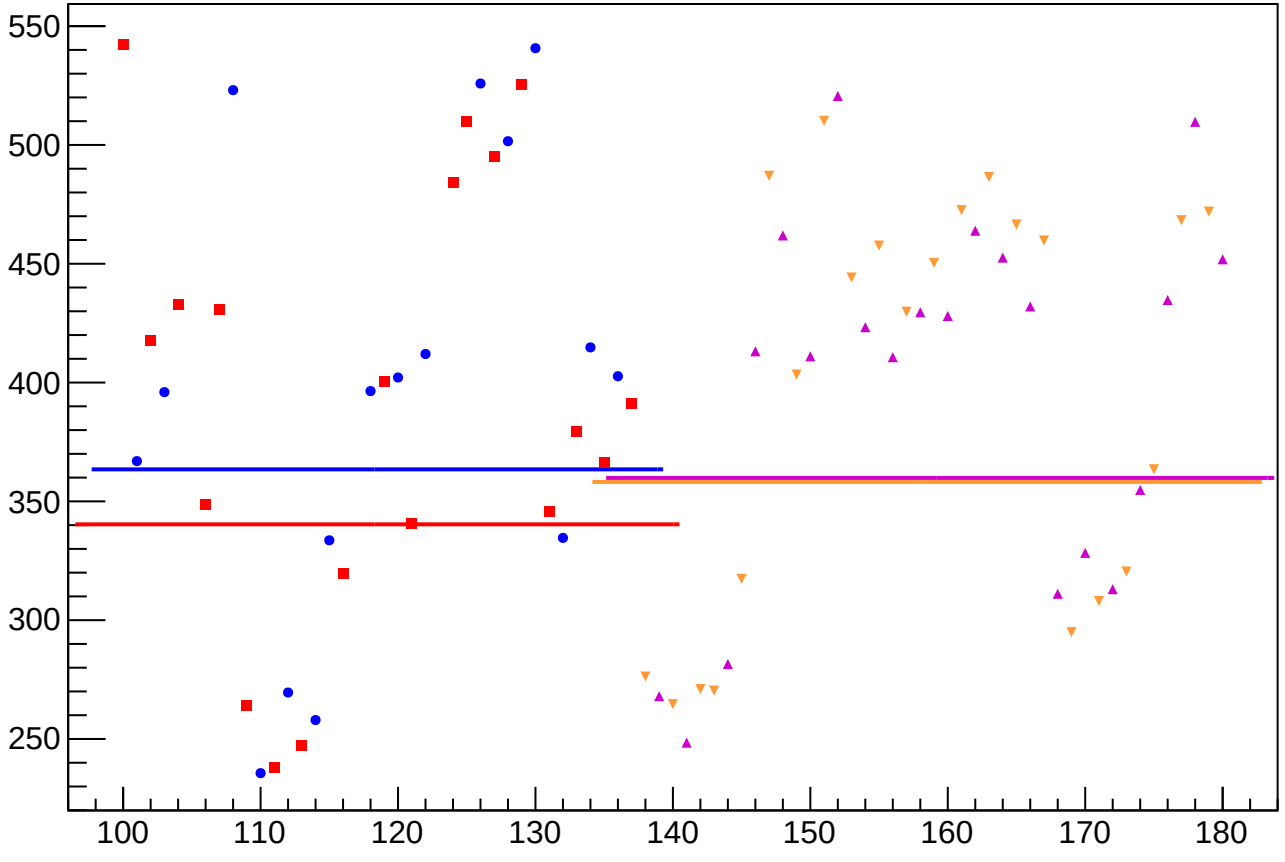
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -63.215+/-75.325 χ^2/NDF:502.3/36

Out: 589.139+/-73.107 χ^2/NDF:787.7/40

All: 272.709+/-52.461 χ^2/NDF: 1328.7/77

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.188+/-0.063 χ^2/NDF:1834865.9/21

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 359.861+/-0.063 χ^2/NDF:1636990.4/20

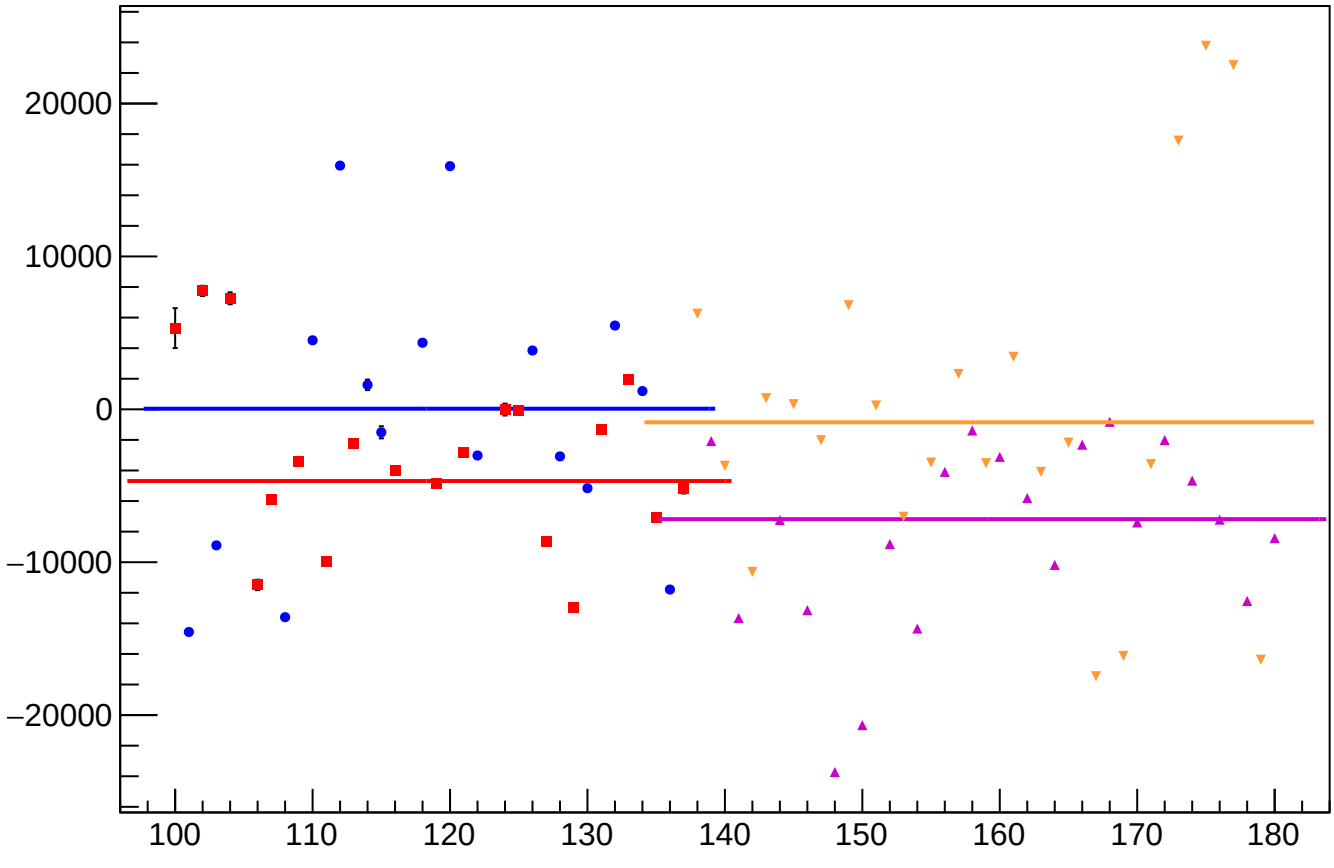
Left: 359.017+/-0.044 χ^2/NDF: 3472209.8/42

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 360.905+/-0.053 χ^2/NDF:2418828.1/36

Out: 352.507+/-0.052 χ^2/NDF:2716979.7/40

All: 356.581+/-0.037 χ^2/NDF: 5148608.6/77



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7184.077+/-43.337 χ^2/NDF:18197.5/20

Left: -3933.301+/-30.244 χ^2/NDF: 86743.1/42

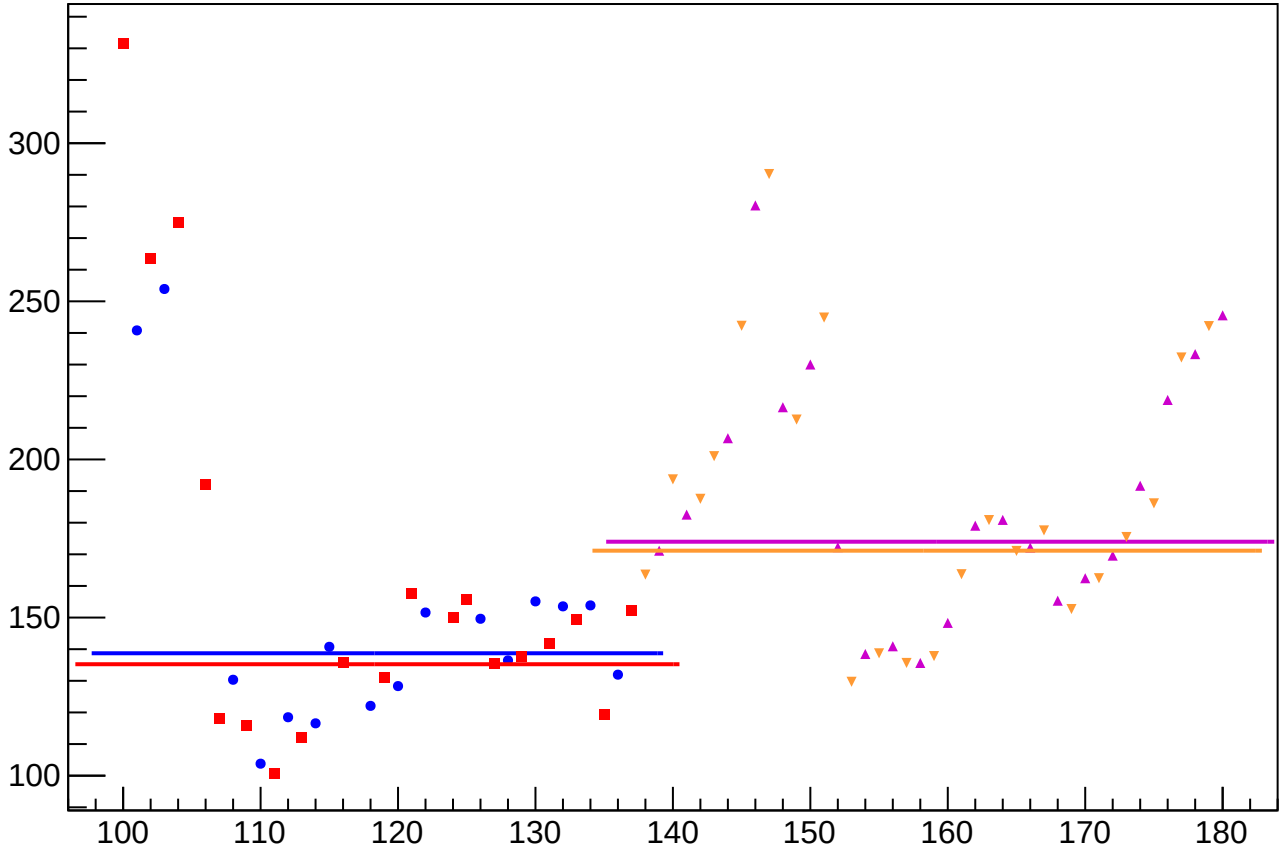
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4366.331+/-33.847 χ^2/NDF:59823.8/36

Out: -2370.601+/-32.804 χ^2/NDF:68655.9/40

All: -3337.238+/-23.556 χ^2/NDF: 130272.4/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 173.984+/-0.031 χ^2/NDF:1223691.1/20

Left: 172.531+/-0.021 χ^2/NDF: 2670274.5/42

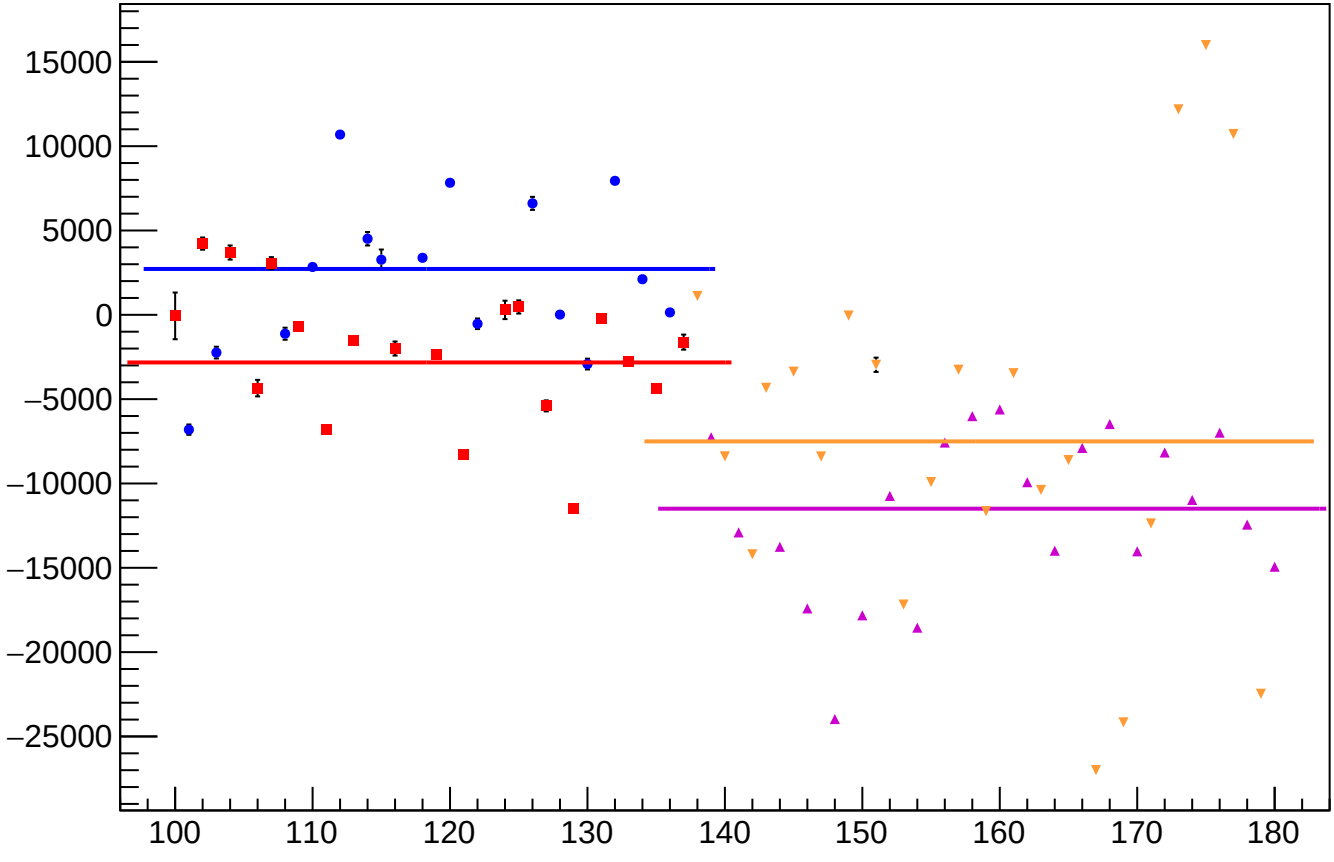
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 160.228+/-0.024 χ^2/NDF:2398183.2/36

Out: 156.914+/-0.023 χ^2/NDF:2905588.6/40

All: 158.519+/-0.017 χ^2/NDF: 5313658.6/77

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11494.868+/-45.463 χ^2/NDF:11122.7/20

Left: -9627.589+/-33.159 χ^2/NDF: 64978.8/42

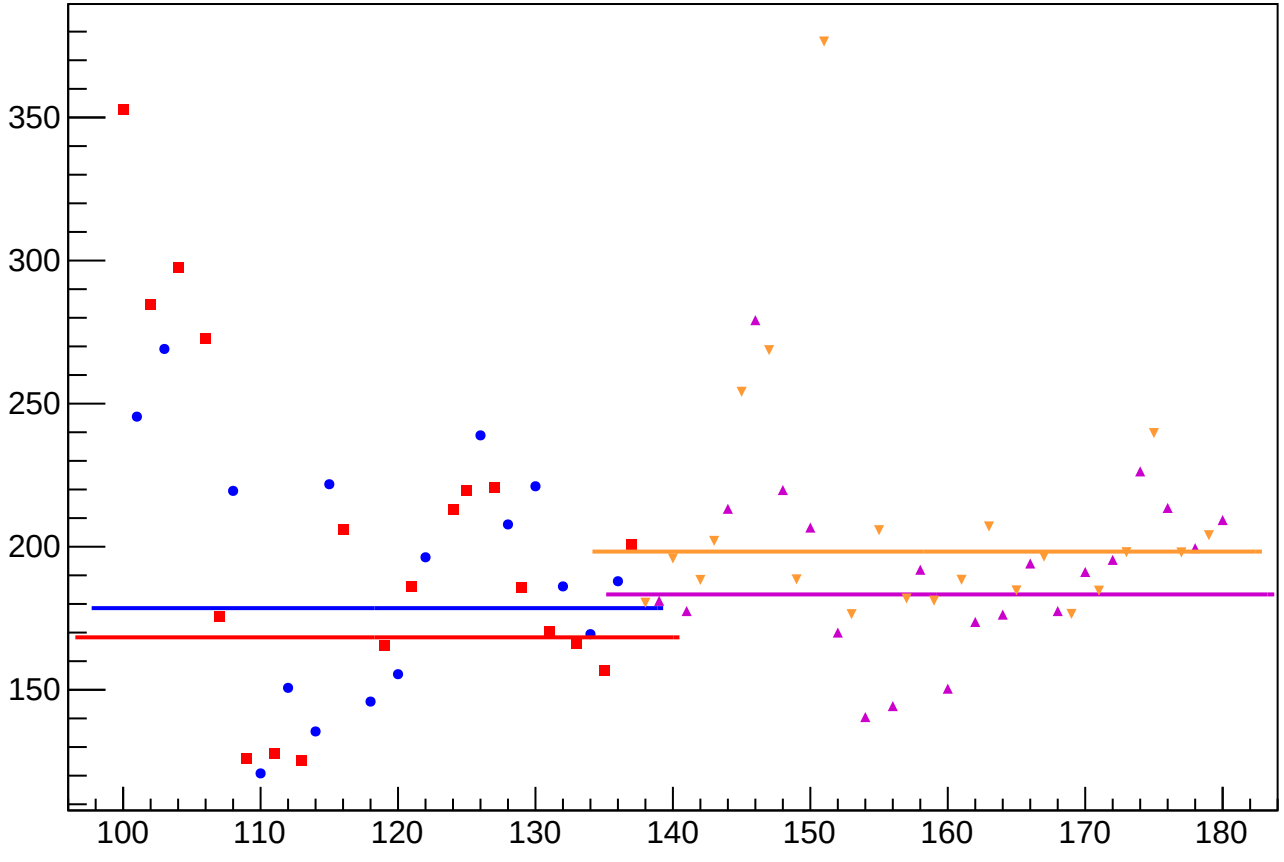
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -7213.322+/-38.004 χ^2/NDF:44698.2/36

Out: -5827.187+/-38.824 χ^2/NDF:56657.7/40

All: -6535.051+/-27.158 χ^2/NDF: 102006.8/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 183.332+/-0.032 χ^2/NDF:822256.1/20

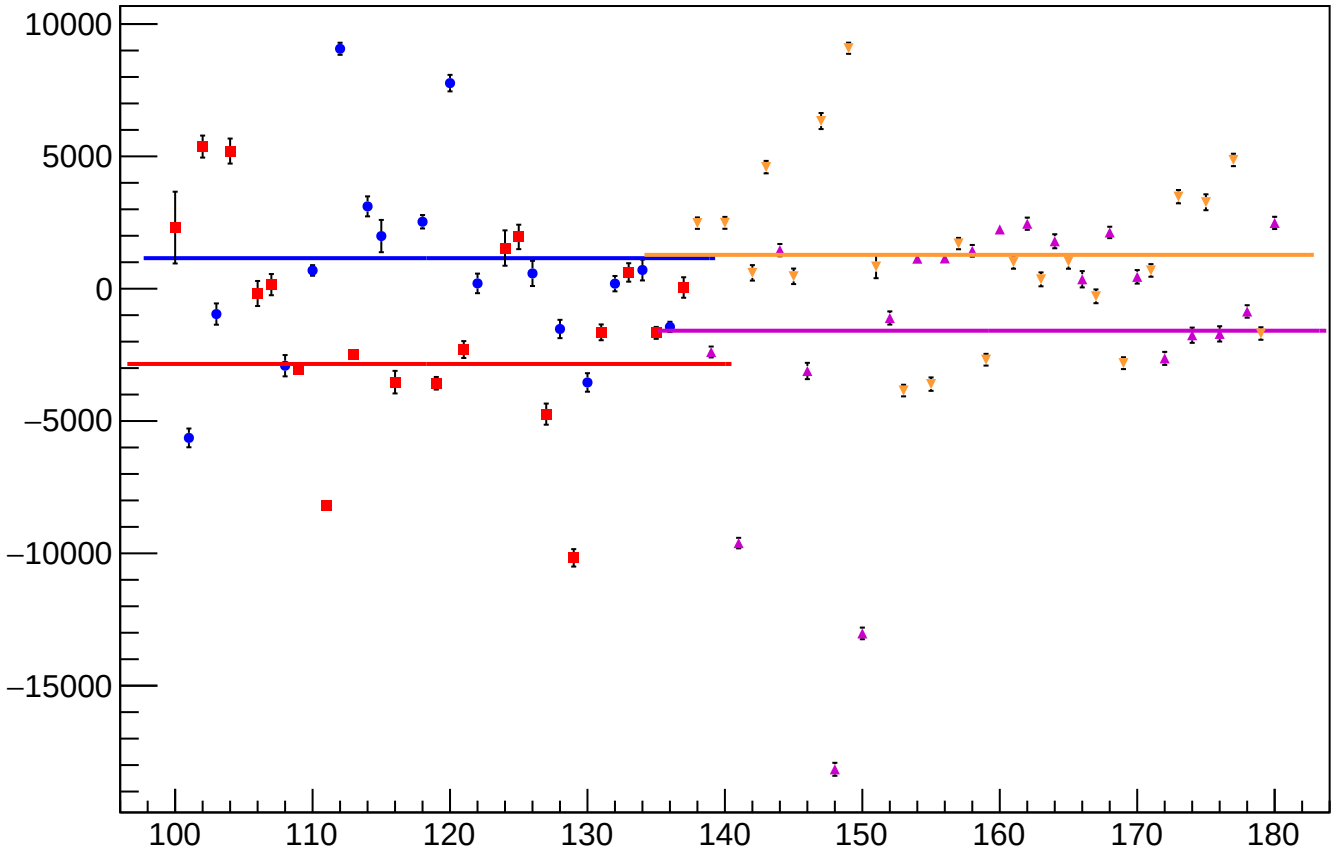
Left: 190.337+/-0.023 χ^2/NDF: 1641930.6/42

Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.889+/-0.027 χ^2/NDF:1503511.4/36

Out: 187.560+/-0.027 χ^2/NDF:1971663.8/40

All: 184.664+/-0.019 χ^2/NDF: 3496969.5/77



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1587.403+/-49.552 χ^2/NDF:11432.6/20

Left: -247.623+/-36.163 χ^2/NDF: 17050.2/42

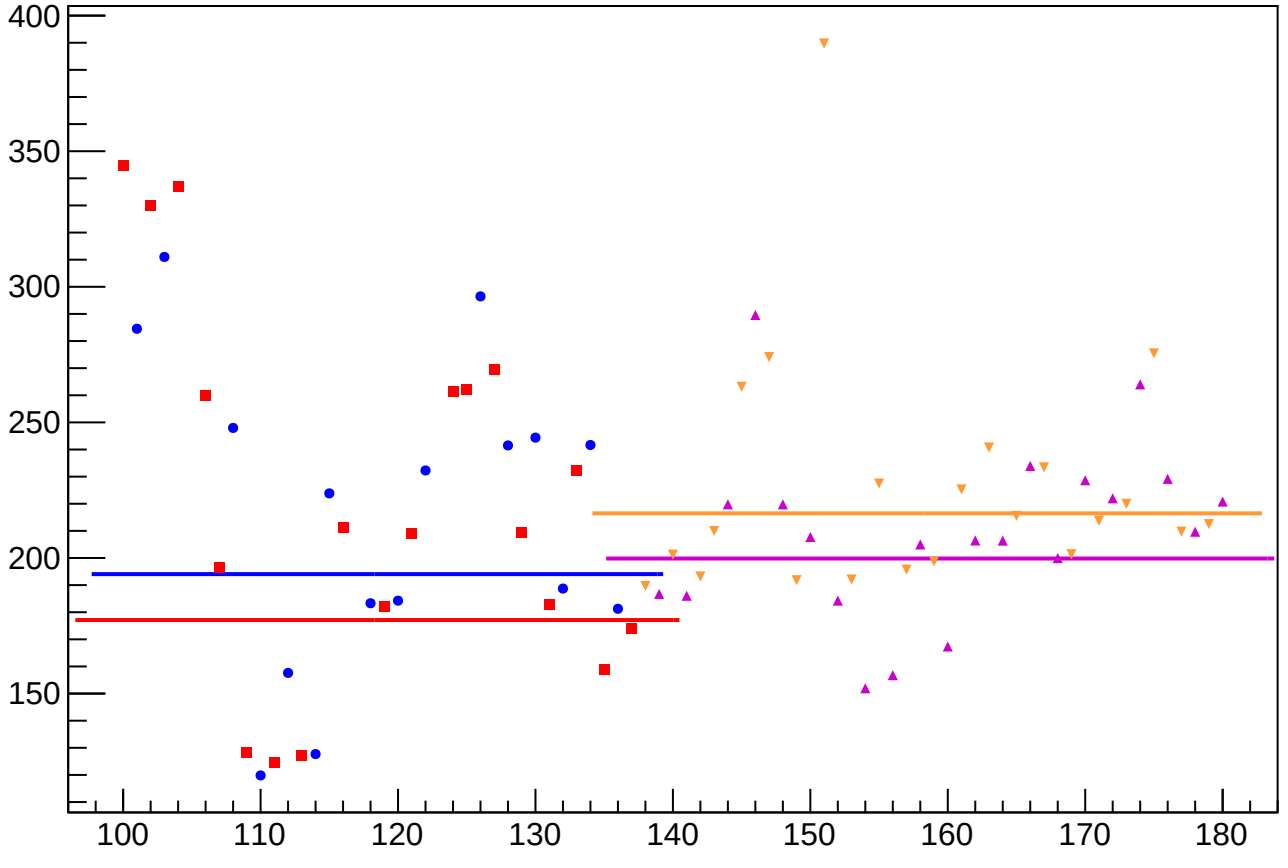
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -769.057+/-41.501 χ^2/NDF:15001.6/36

Out: -243.174+/-42.011 χ^2/NDF:8749.7/40

All: -509.324+/-29.524 χ^2/NDF: 23830.6/77

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 199.804+/-0.035 χ^2/NDF:784823.8/20

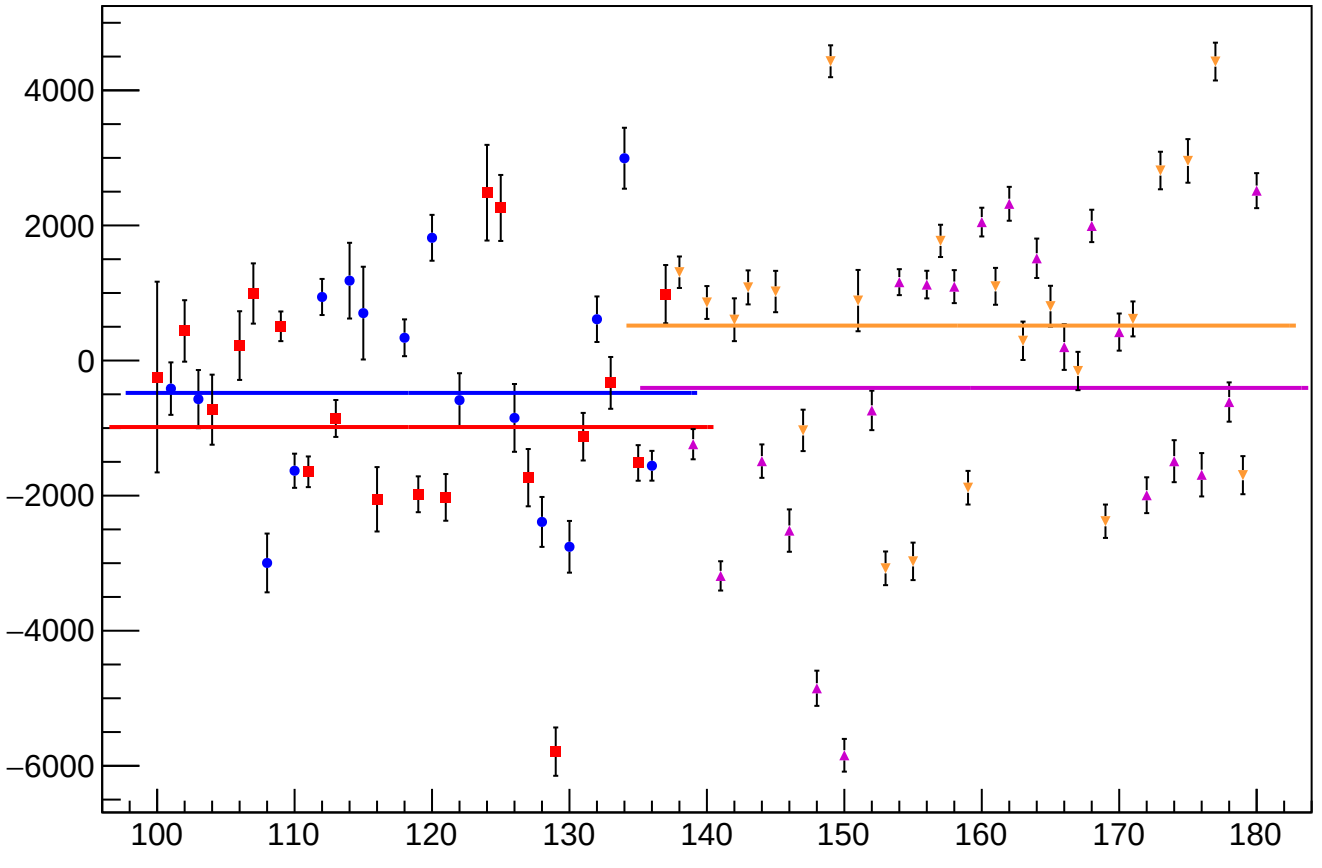
Left: 207.588+/-0.026 χ^2/NDF: 1581691.2/42

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.087+/-0.029 χ^2/NDF:1758652.8/36

Out: 201.931+/-0.030 χ^2/NDF:2459121.3/40

All: 199.986+/-0.021 χ^2/NDF: 4226249.6/77



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -405.305+/-55.120 χ^2/NDF:1798.1/20

Left: 31.740+/-39.988 χ^2/NDF: 3270.8/42

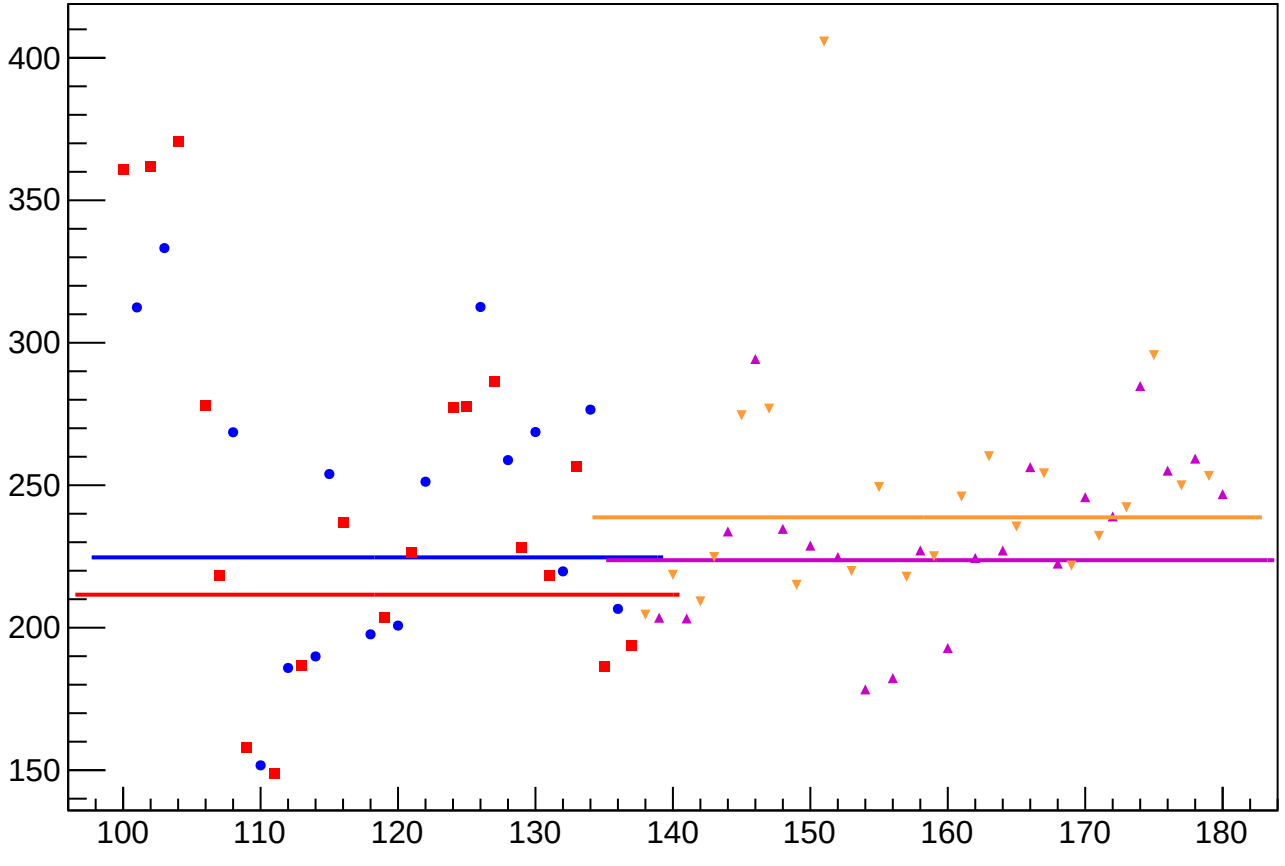
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -426.610+/-46.513 χ^2/NDF:2104.1/36

Out: 6.677+/-47.201 χ^2/NDF:1965.3/40

All: -213.147+/-33.130 χ^2/NDF: 4112.1/77

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 223.694+/-0.039 χ^2/NDF:560061.0/20

Left: 230.822+/-0.028 χ^2/NDF: 1196293.3/42

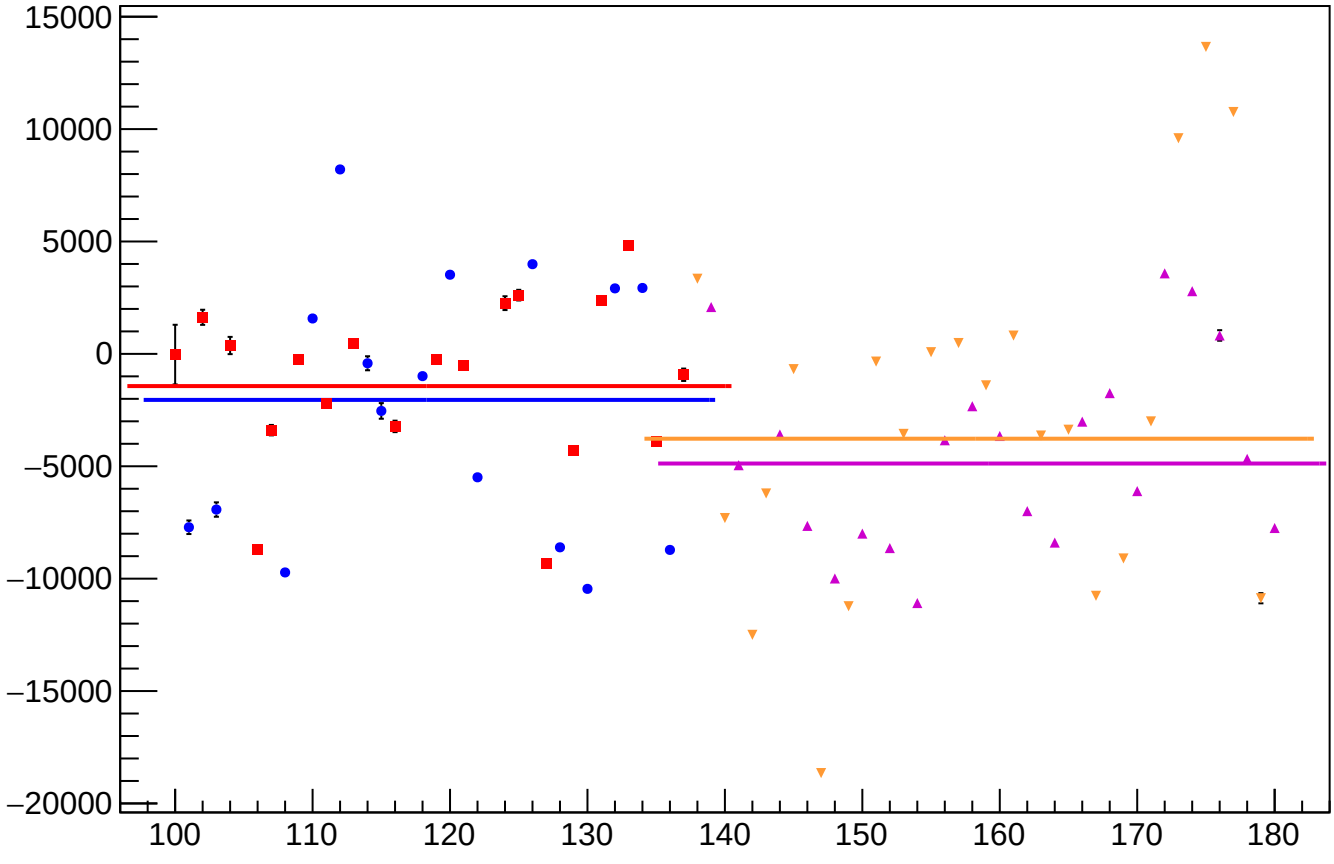
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.979+/-0.033 χ^2/NDF:1213439.7/36

Out: 229.511+/-0.033 χ^2/NDF:1646986.7/40

All: 226.704+/-0.023 χ^2/NDF: 2874364.7/77

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4877.883+/-32.422 χ^2/NDF:15405.5/20

Left: -4311.333+/-22.623 χ^2/NDF: 68608.9/42

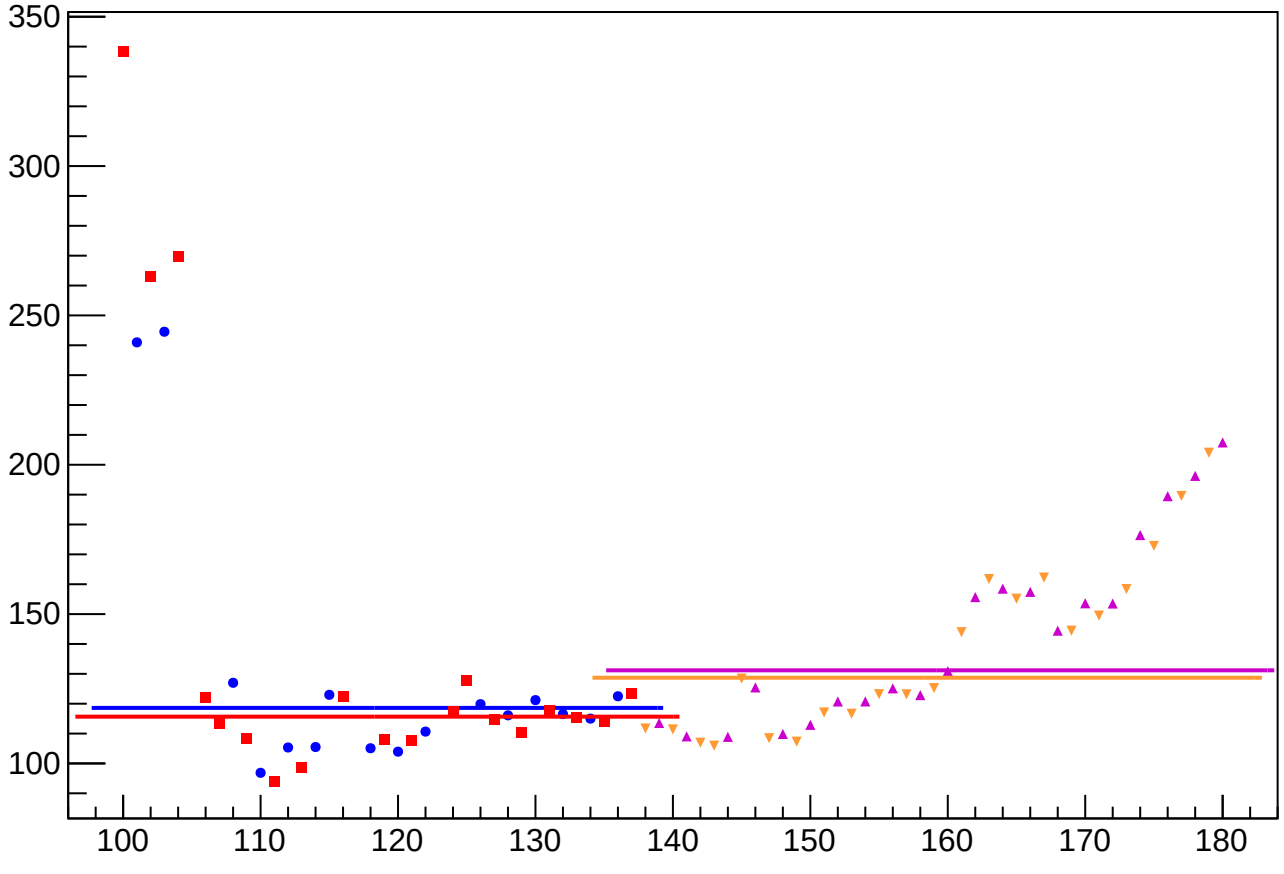
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3957.845+/-26.637 χ^2/NDF:34592.1/36

Out: -2994.931+/-25.800 χ^2/NDF:60823.6/40

All: -3461.021+/-18.532 χ^2/NDF: 96090.0/77

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 131.177+/-0.023 χ^2/NDF:1174576.7/20

Left: 129.905+/-0.016 χ^2/NDF: 2313418.4/42

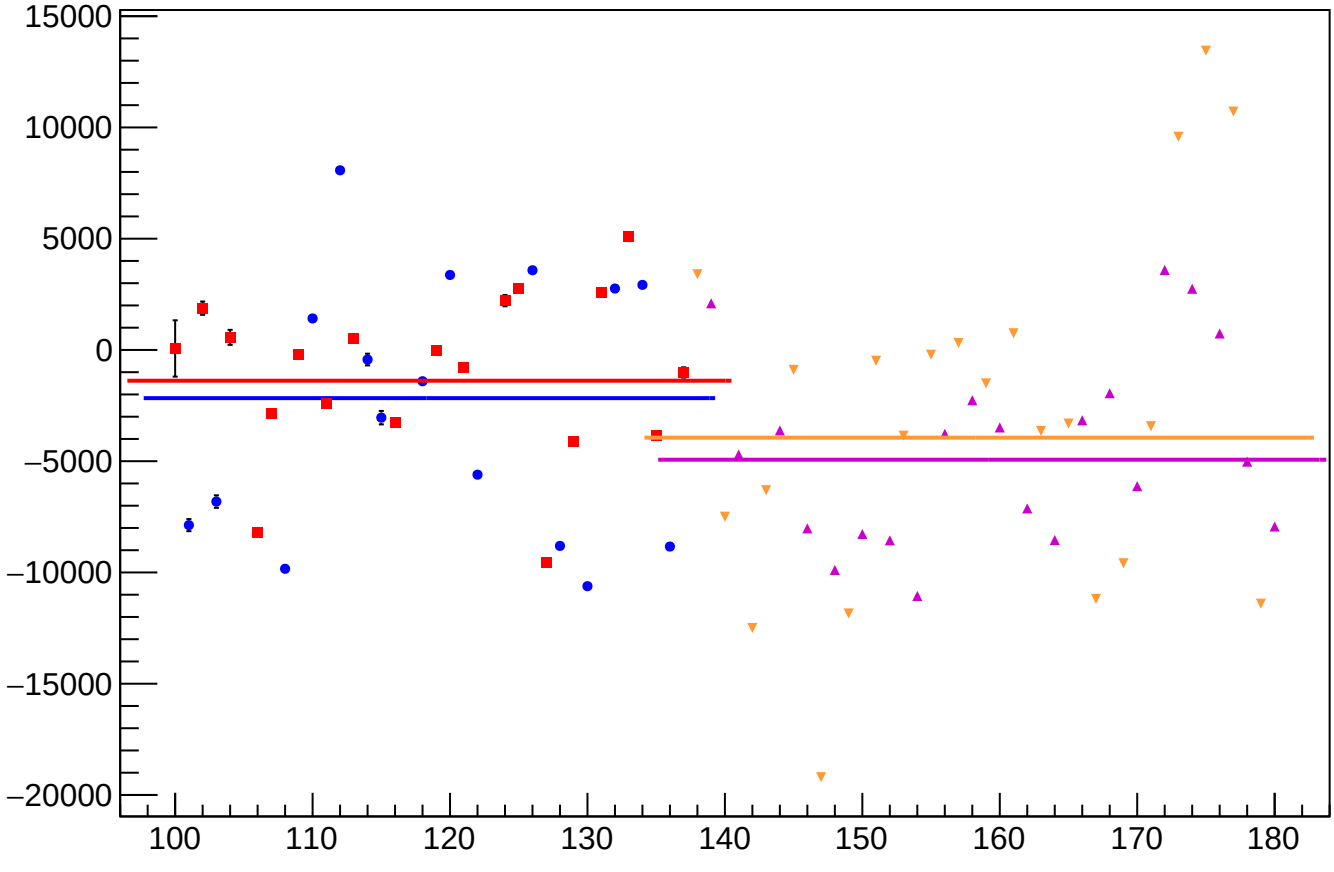
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 127.088+/-0.019 χ^2/NDF:2006618.9/36

Out: 124.360+/-0.018 χ^2/NDF:2110447.0/40

All: 125.680+/-0.013 χ^2/NDF: 4127886.9/77

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -3941.565+/-28.617 χ^2/NDF:62081.6/21

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4932.652+/-29.665 χ^2/NDF:18344.8/20

Left: -4419.292+/-20.595 χ^2/NDF: 81004.6/42

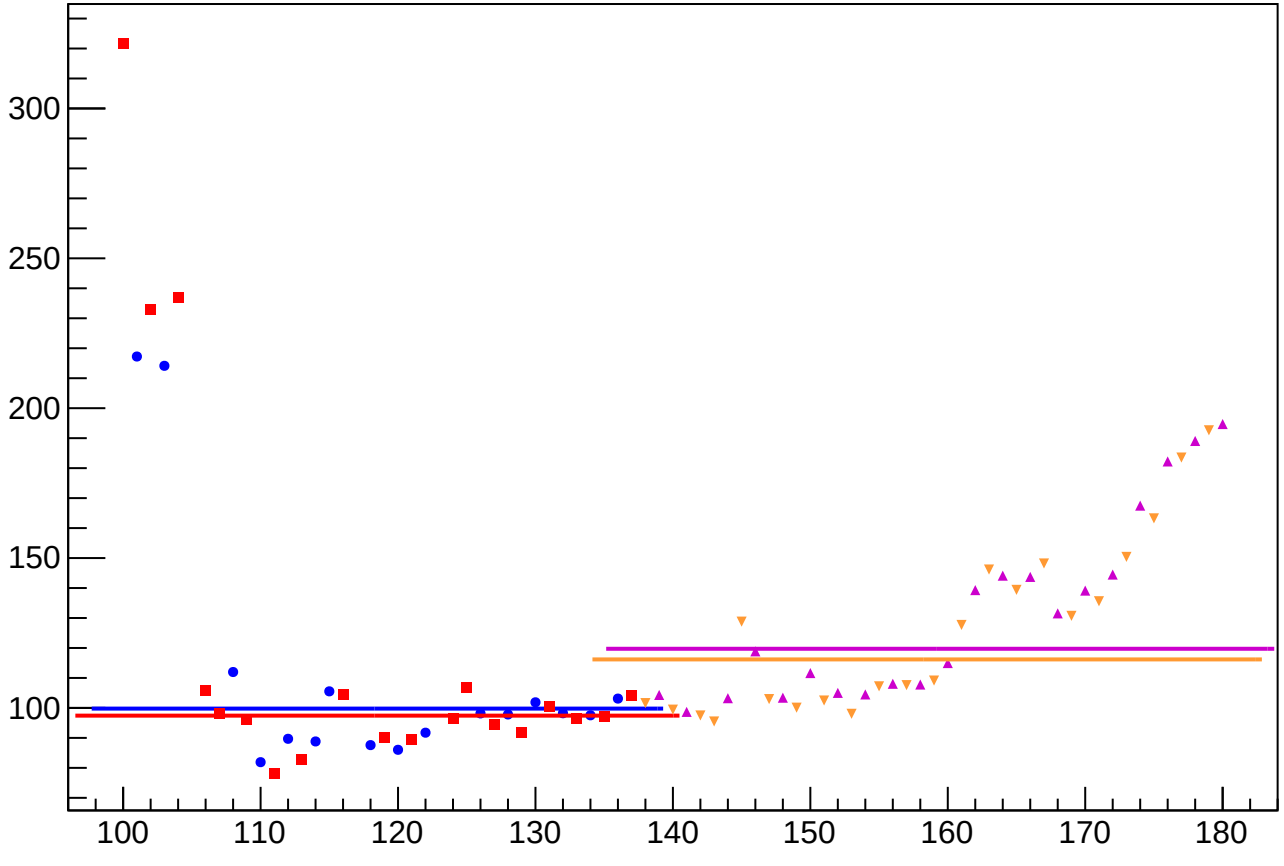
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3939.162+/-23.749 χ^2/NDF:44343.3/36

Out: -3014.948+/-22.854 χ^2/NDF:74125.2/40

All: -3459.323+/-16.468 χ^2/NDF: 119254.7/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 116.184+/-0.020 χ^2/NDF:1309446.4/21

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 119.733+/-0.021 χ^2/NDF:1281794.0/20

Left: 117.895+/-0.015 χ^2/NDF: 2606071.3/42

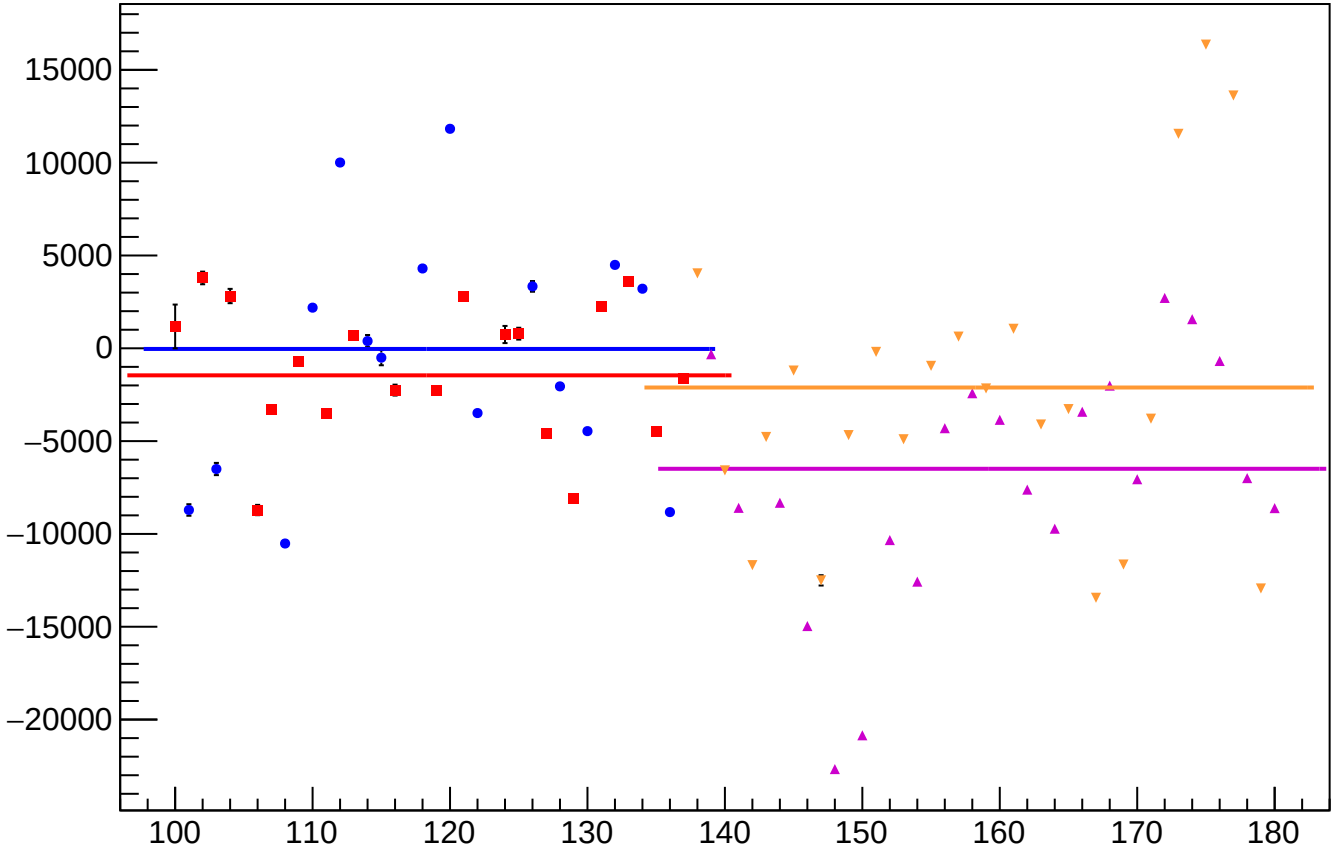
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 112.566+/-0.017 χ^2/NDF:2416036.4/36

Out: 109.391+/-0.016 χ^2/NDF:2546671.8/40

All: 110.918+/-0.012 χ^2/NDF: 4981276.3/77

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2112.083+/-39.445 χ^2/NDF:31230.4/21

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6491.027+/-41.047 χ^2/NDF:18944.3/20

Left: -4214.428+/-28.442 χ^2/NDF: 56091.4/42

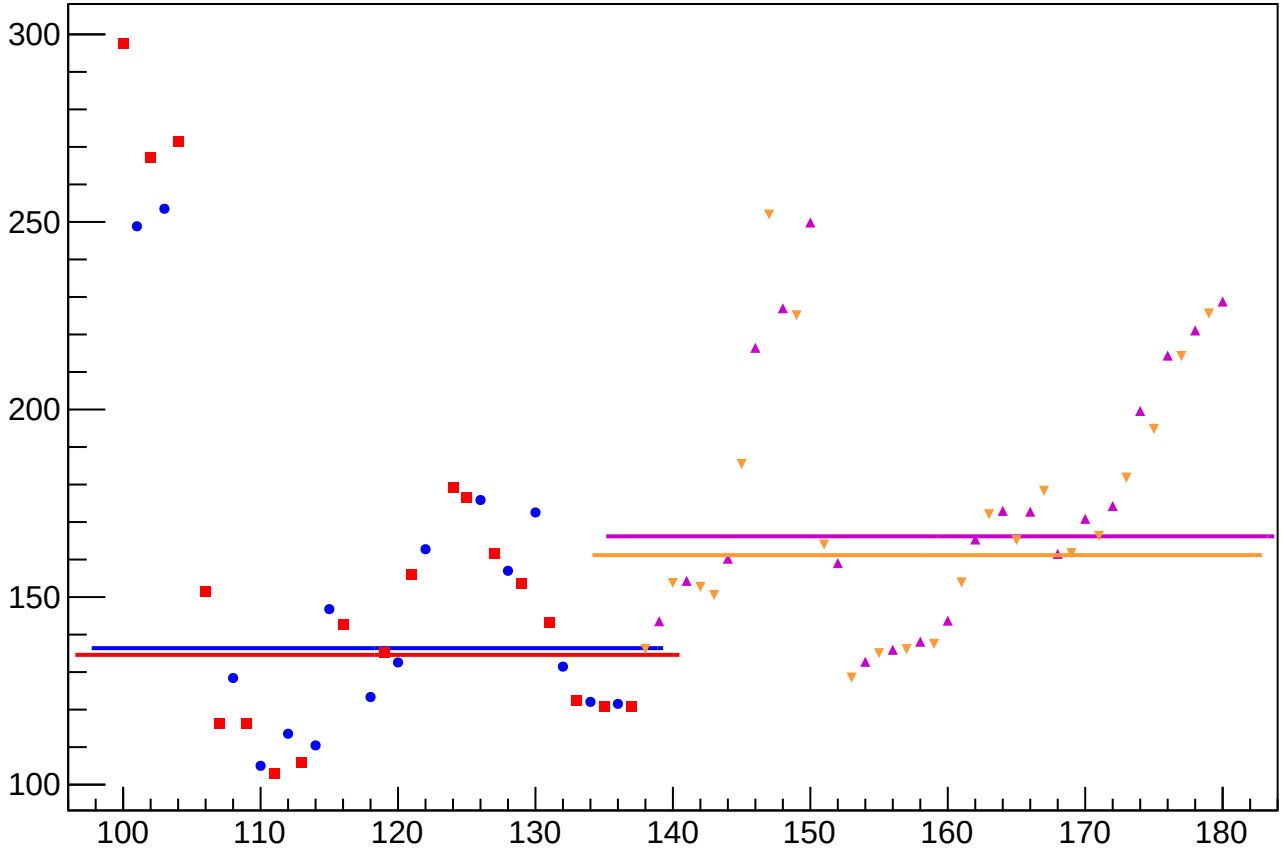
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4096.738+/-32.559 χ^2/NDF:44921.8/36

Out: -1872.376+/-31.415 χ^2/NDF:35448.4/40

All: -2944.791+/-22.607 χ^2/NDF: 82787.3/77

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 161.179+/-0.028 χ^2/NDF:1041140.5/21

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 166.192+/-0.029 χ^2/NDF:1125250.1/20

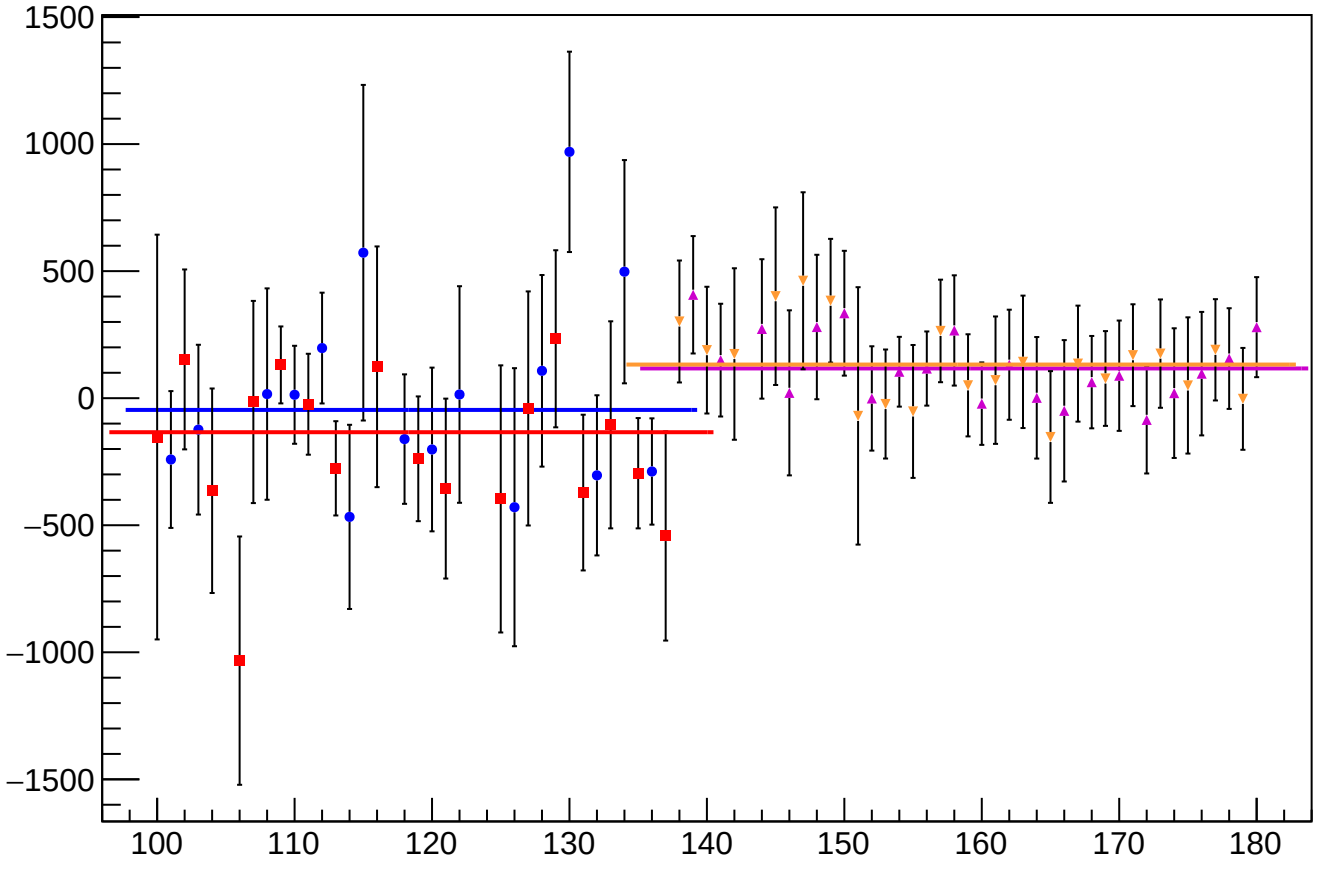
Left: 163.586+/-0.020 χ^2/NDF: 2181896.7/42

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 155.138+/-0.023 χ^2/NDF:2313239.2/36

Out: 151.458+/-0.022 χ^2/NDF:2292898.6/40

All: 153.232+/-0.016 χ^2/NDF: 4619368.5/77



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 132.345+/-52.028 χ^2/NDF:7.0/20

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 117.002+/-45.506 χ^2/NDF:7.2/20

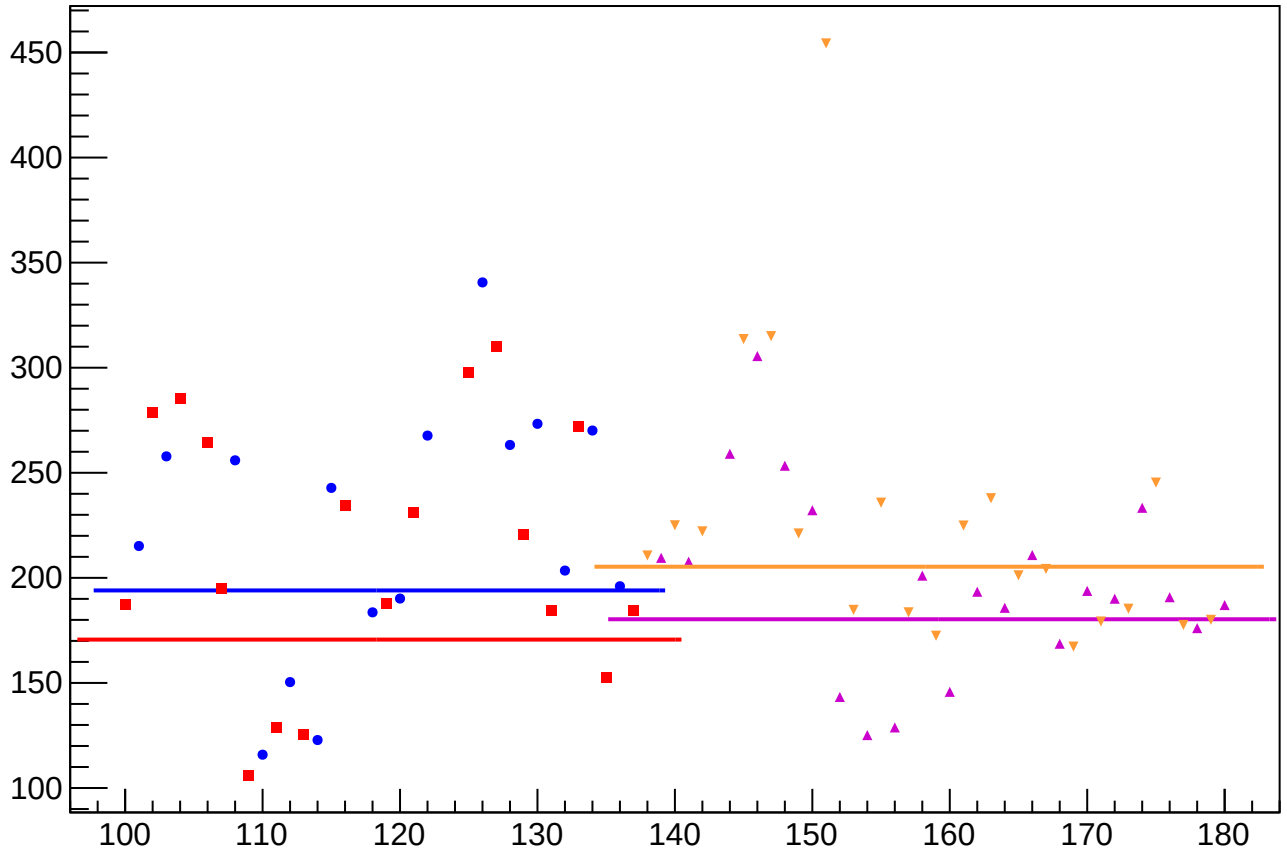
Left: 123.652+/-34.253 χ^2/NDF: 14.2/41

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 74.168+/-39.080 χ^2/NDF:26.0/36

Out: 34.782+/-41.413 χ^2/NDF:29.4/38

All: 55.615+/-28.423 χ^2/NDF: 55.9/75



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 205.303+/-0.037 χ^2/NDF:1316505.1/20

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 180.304+/-0.032 χ^2/NDF:1636613.8/20

Left: 191.139+/-0.024 χ^2/NDF: 3214752.6/41

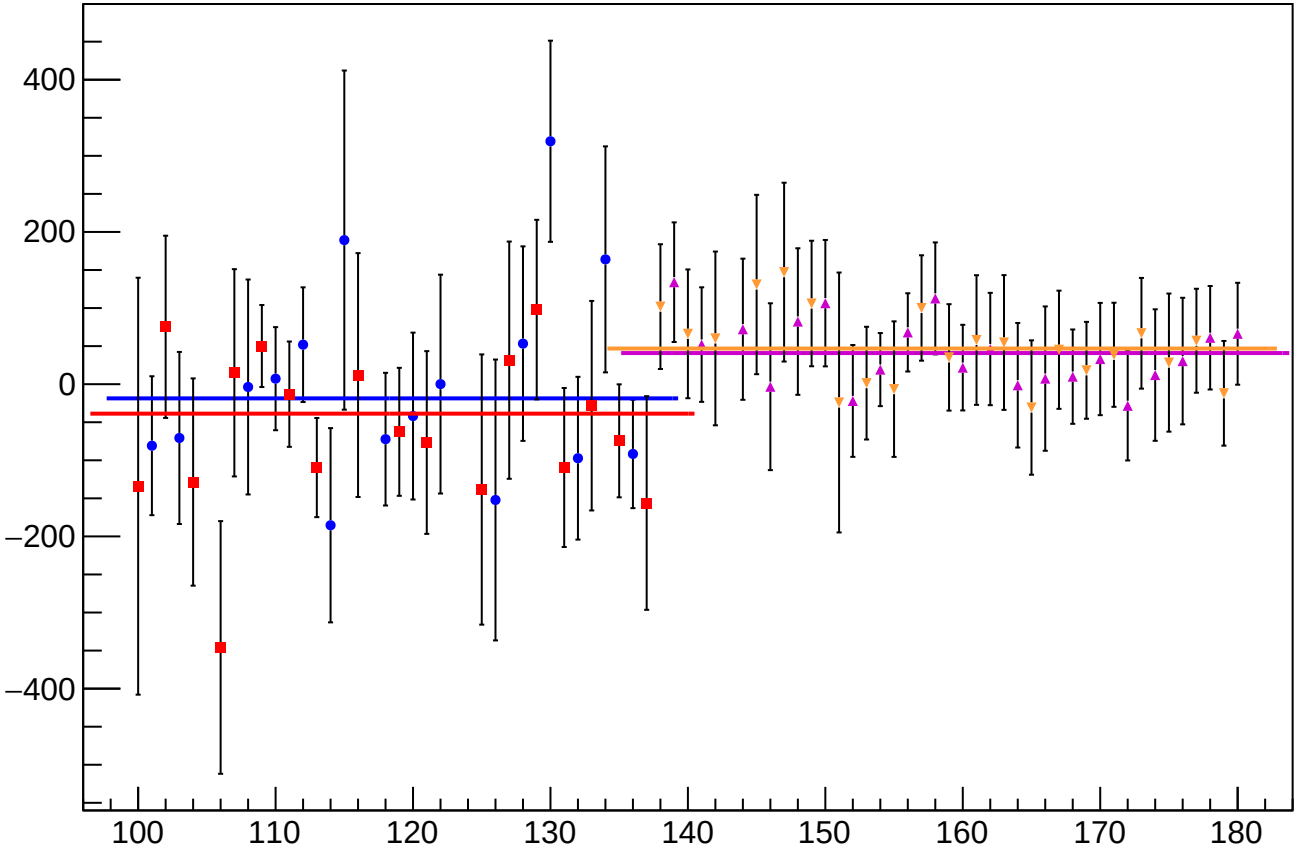
Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 183.903+/-0.028 χ^2/NDF:2727873.0/36

Out: 192.596+/-0.029 χ^2/NDF:3235851.7/38

All: 187.998+/-0.020 χ^2/NDF: 6010341.0/75

asym_bcm_2an_us_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 46.851+/-17.762 χ^2/NDF:5.7/20

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 40.891+/-15.637 χ^2/NDF:6.7/20

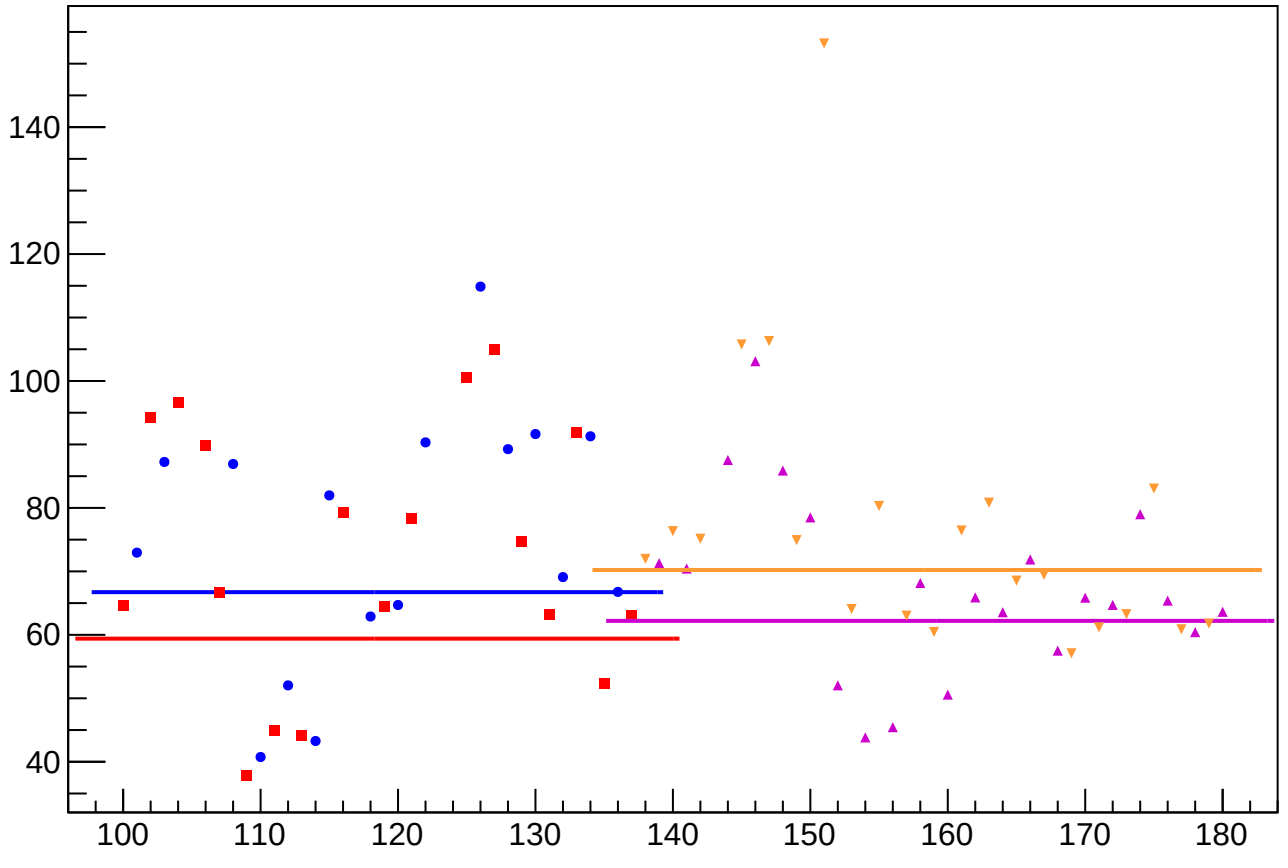
Left: 43.493+/-11.737 χ^2/NDF: 12.5/41

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 25.186+/-13.417 χ^2/NDF:25.8/36

Out: 15.996+/-14.203 χ^2/NDF:26.7/38

All: 20.852+/-9.753 χ^2/NDF: 52.7/75



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 70.221+/-0.013 χ^2/NDF:1250862.6/20

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.203+/-0.011 χ^2/NDF:1444665.5/20

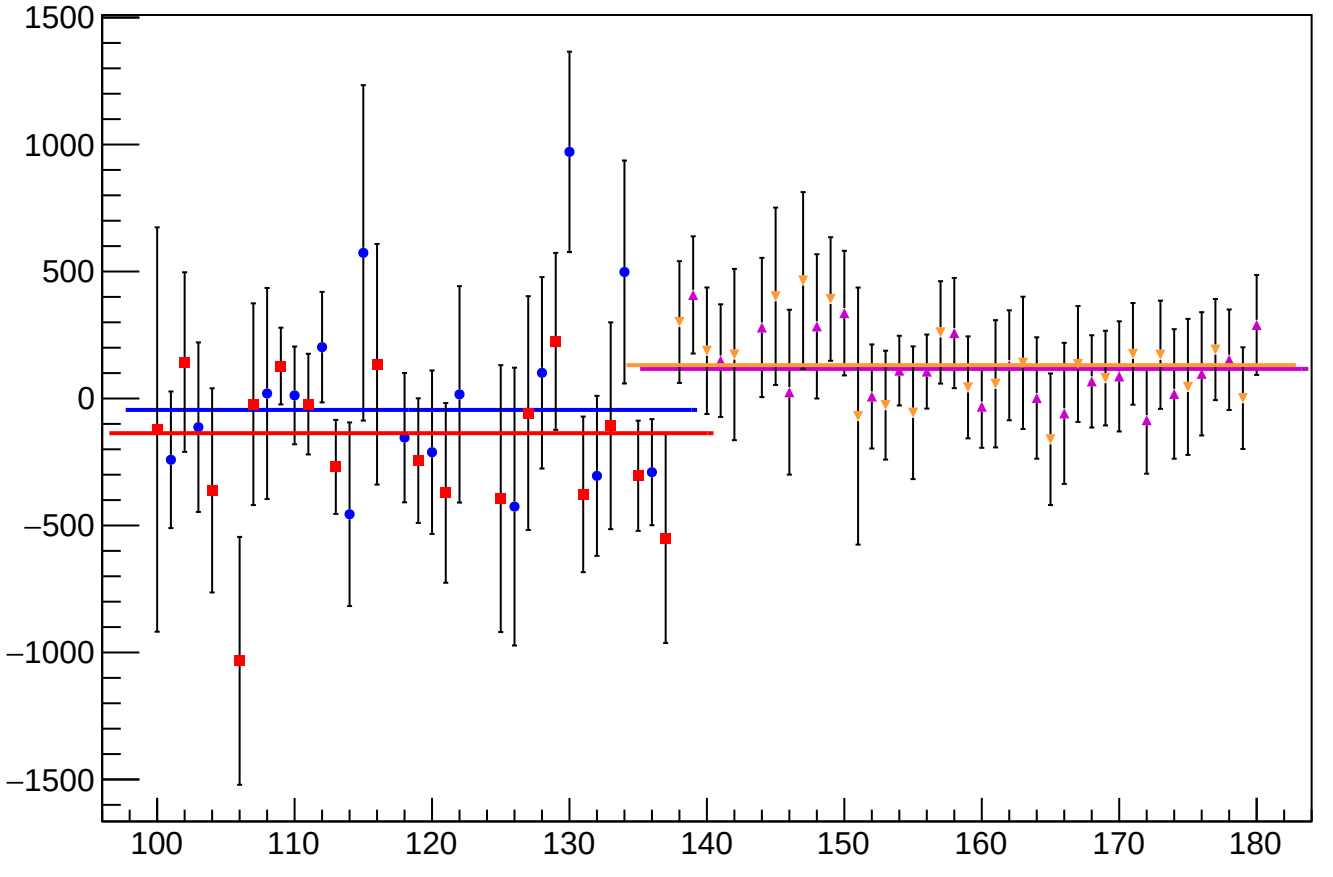
Left: 65.704+/-0.008 χ^2/NDF: 2925175.0/41

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.395+/-0.009 χ^2/NDF:2435823.2/36

Out: 66.319+/-0.010 χ^2/NDF:2963899.0/38

All: 64.774+/-0.007 χ^2/NDF: 5444517.3/75



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 131.376+/-51.982 χ^2/NDF:7.2/20

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 116.522+/-45.467 χ^2/NDF:7.4/20

Left: 122.961+/-34.223 χ^2/NDF: 14.6/41

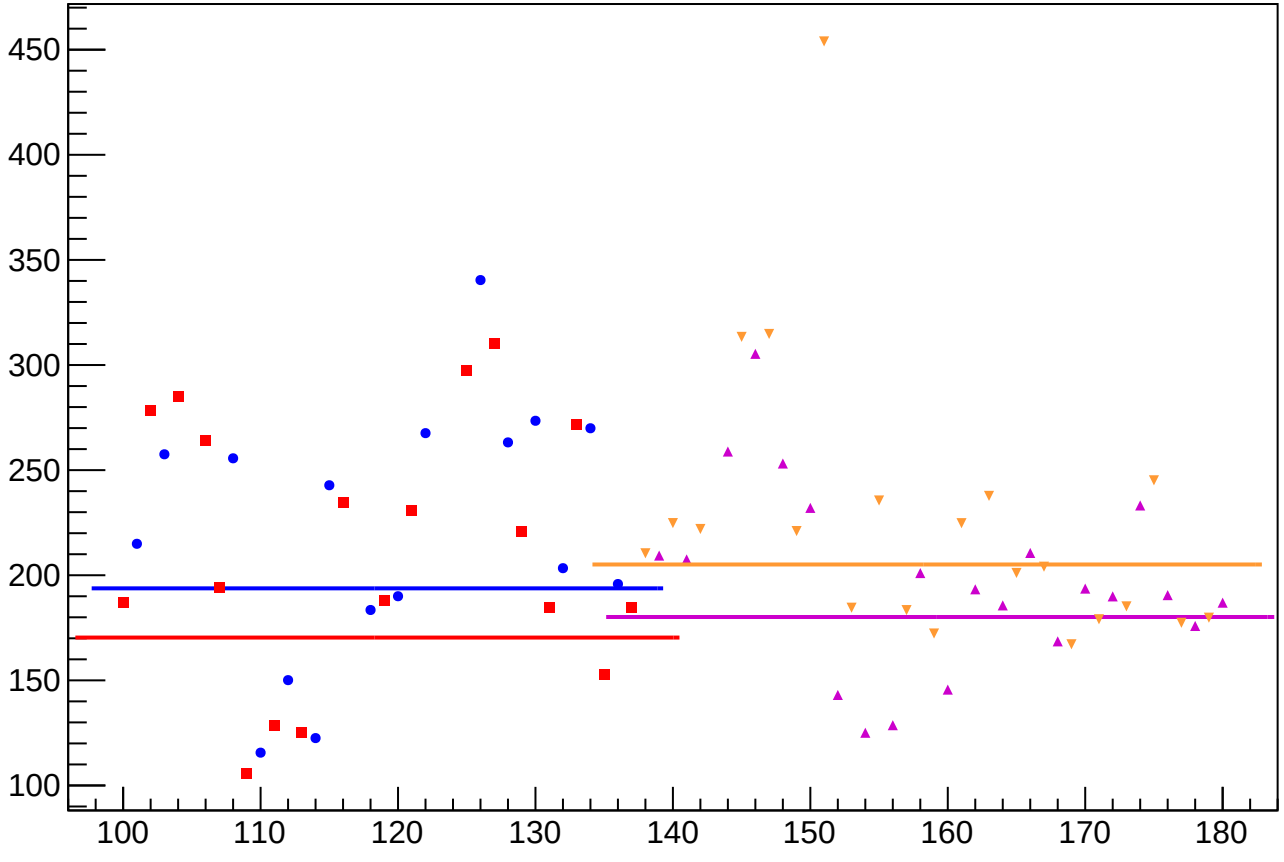
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 74.135+/-39.044 χ^2/NDF:26.1/36

Out: 33.134+/-41.370 χ^2/NDF:29.8/38

All: 54.819+/-28.395 χ^2/NDF: 56.4/75

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 205.119+/-0.037 χ^2/NDF:1317546.3/20

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 180.140+/-0.032 χ^2/NDF:1638846.4/20

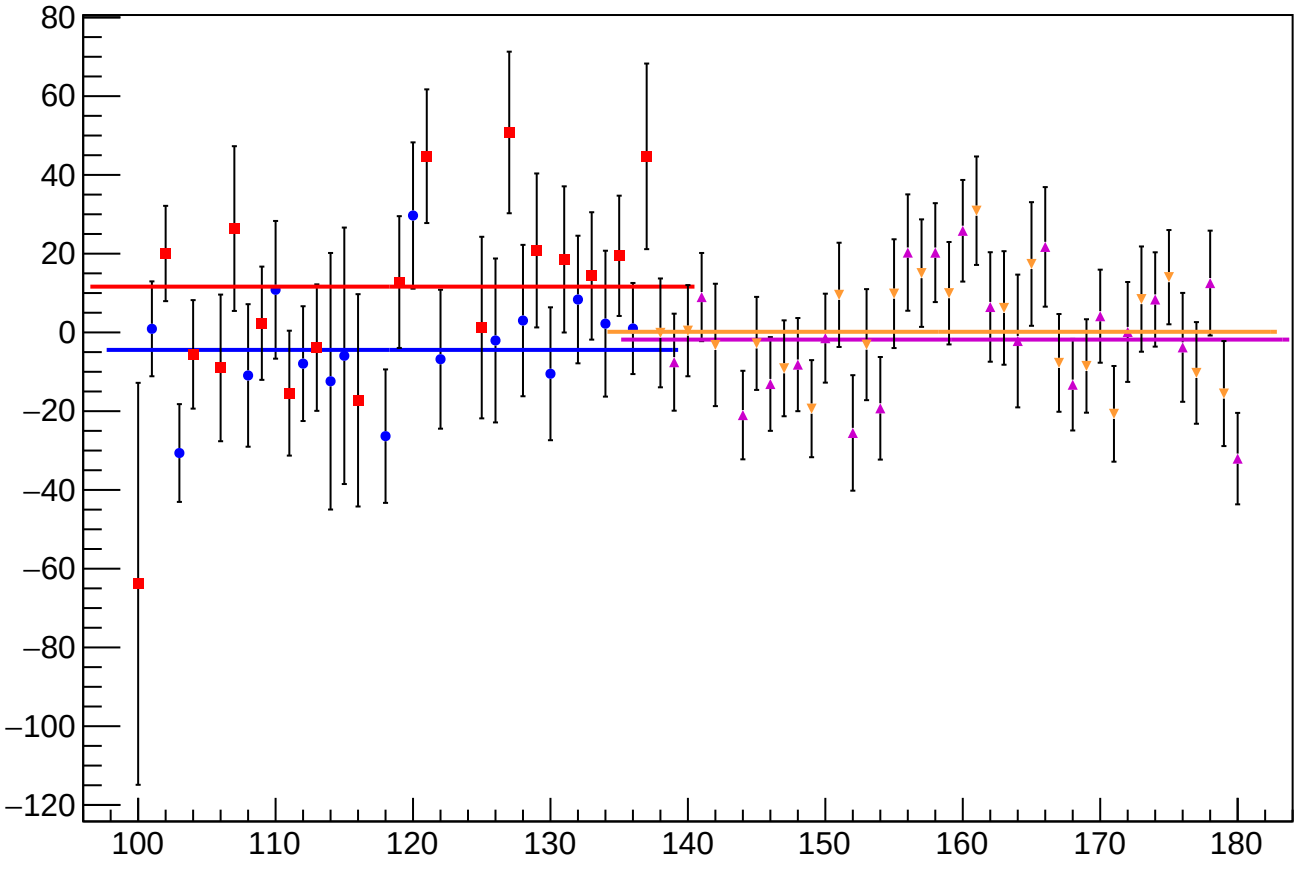
Left: 190.967+/-0.024 χ^2/NDF: 3218039.7/41

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.718+/-0.028 χ^2/NDF:2734114.8/36

Out: 192.374+/-0.029 χ^2/NDF:3244482.6/38

All: 187.796+/-0.020 χ^2/NDF: 6024907.0/75



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.159+/-2.848 χ^2/NDF:20.0/20

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.822+/-2.762 χ^2/NDF:32.2/20

Left: -0.862+/-1.983 χ^2/NDF: 52.5/41

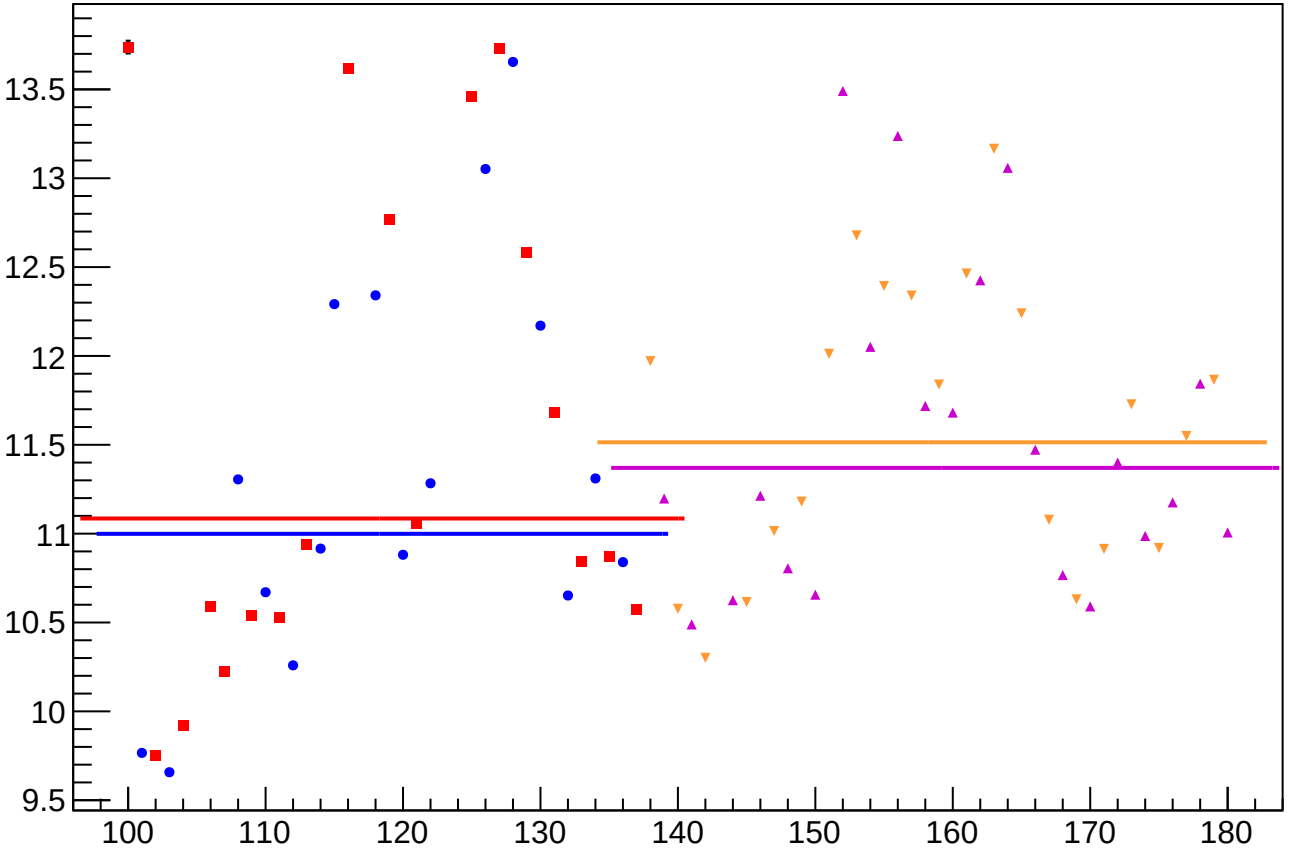
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.631+/-2.296 χ^2/NDF:44.5/36

Out: 3.847+/-2.346 χ^2/NDF:46.9/38

All: 0.539+/-1.641 χ^2/NDF: 95.3/75

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.514+/-0.002 χ^2/NDF:142340.8/20

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.370+/-0.002 χ^2/NDF:169112.6/20

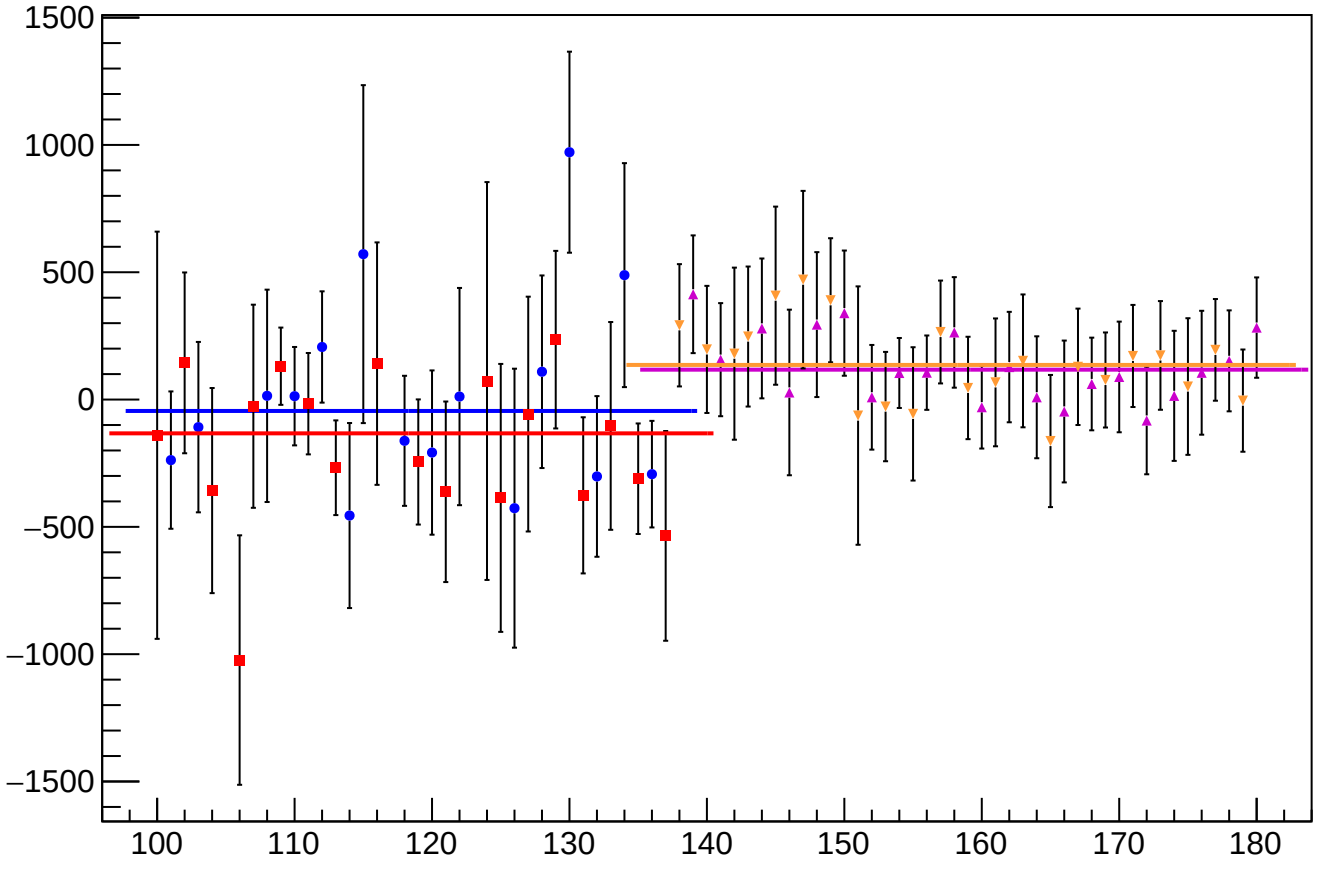
Left: 11.440+/-0.001 χ^2/NDF: 314086.7/41

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.255+/-0.002 χ^2/NDF:316425.4/36

Out: 11.376+/-0.002 χ^2/NDF:319125.6/38

All: 11.315+/-0.001 χ^2/NDF: 638257.0/75



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 117.331+/-45.543 χ^2/NDF:7.3/20

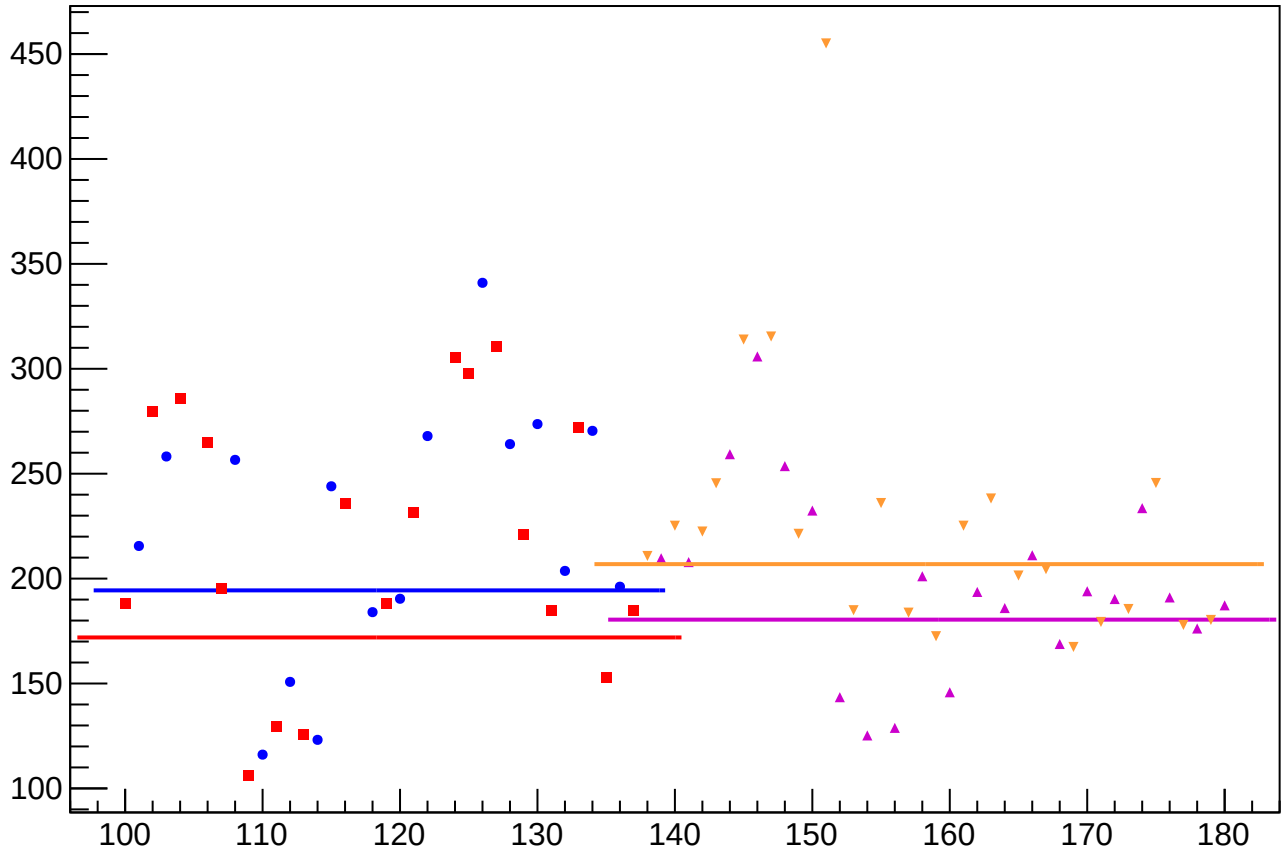
Left: 125.570+/-34.020 χ^2/NDF: 14.8/42

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 74.843+/-39.123 χ^2/NDF:26.1/36

Out: 39.312+/-40.946 χ^2/NDF:30.2/40

All: 57.886+/-28.287 χ^2/NDF: 56.6/77



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.440+/-0.032 χ^2/NDF:1639362.3/20

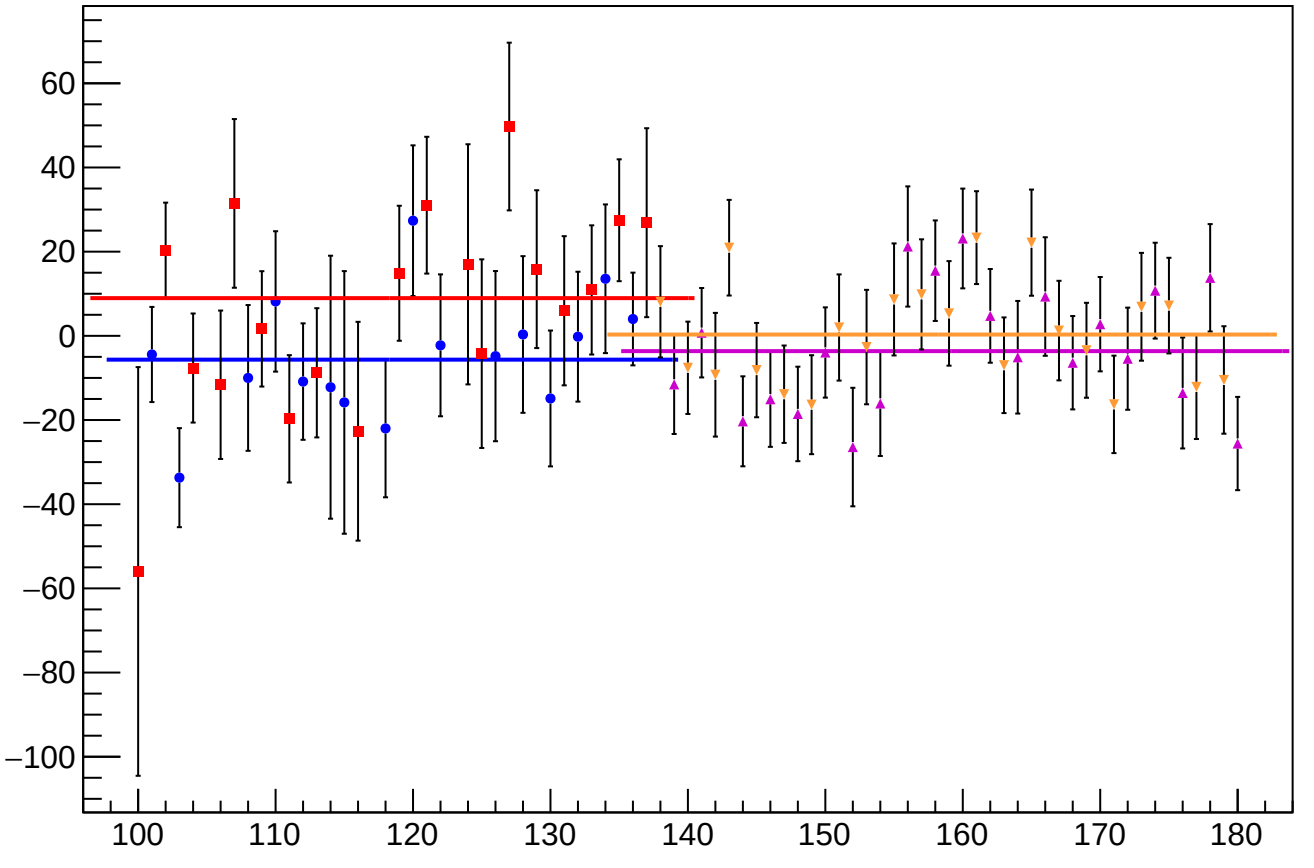
Left: 192.132+/-0.024 χ^2/NDF: 3295770.9/42

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.094+/-0.028 χ^2/NDF:2730529.4/36

Out: 194.323+/-0.029 χ^2/NDF:3345007.4/40

All: 188.976+/-0.020 χ^2/NDF: 6140781.2/77



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.632+/-2.590 χ^2/NDF:29.9/20

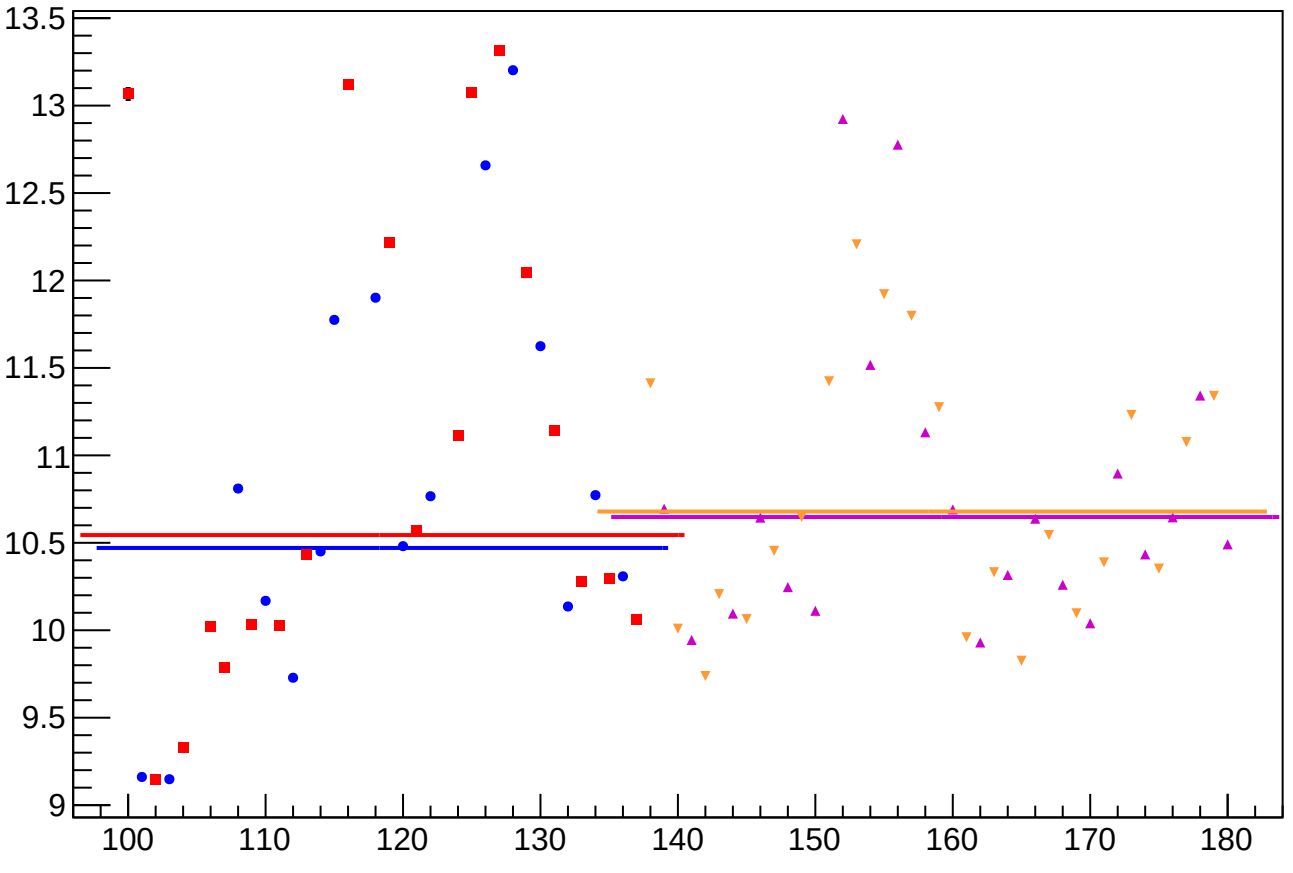
Left: -1.655+/-1.829 χ^2/NDF: 53.2/42

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.243+/-2.164 χ^2/NDF:43.8/36

Out: 2.946+/-2.153 χ^2/NDF:48.3/40

All: -0.631+/-1.526 χ^2/NDF: 97.7/77



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.647+/-0.002 χ^2/NDF:157126.8/20

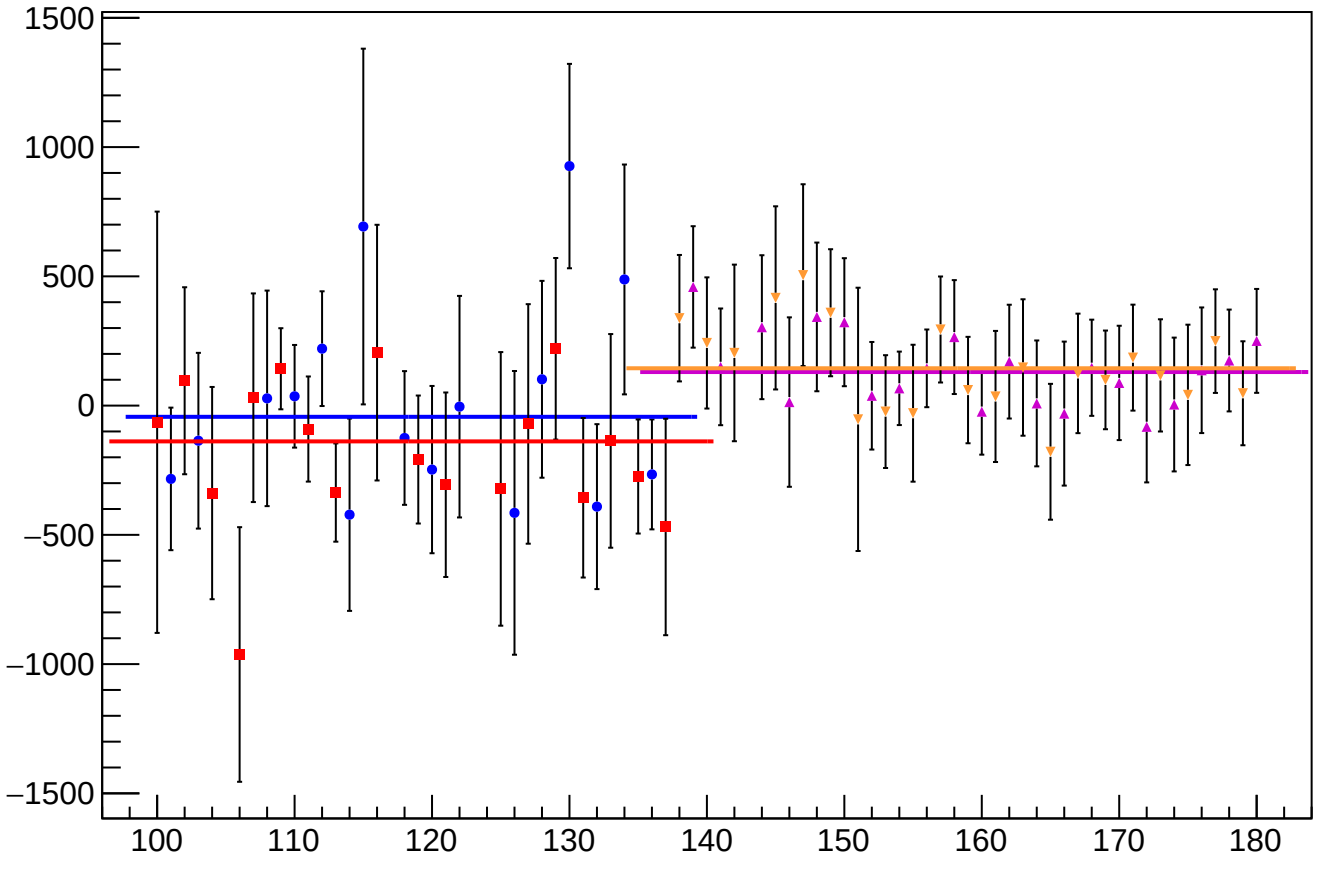
Left: 10.663+/-0.001 χ^2/NDF: 297401.9/42

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.594+/-0.002 χ^2/NDF:317305.8/36

Out: 10.638+/-0.002 χ^2/NDF:328560.0/40

All: 10.616+/-0.001 χ^2/NDF: 646277.6/77



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 144.449+/-52.798 χ^2/NDF:7.6/20

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 129.840+/-46.336 χ^2/NDF:7.5/20

Left: 136.196+/-34.826 χ^2/NDF: 15.1/41

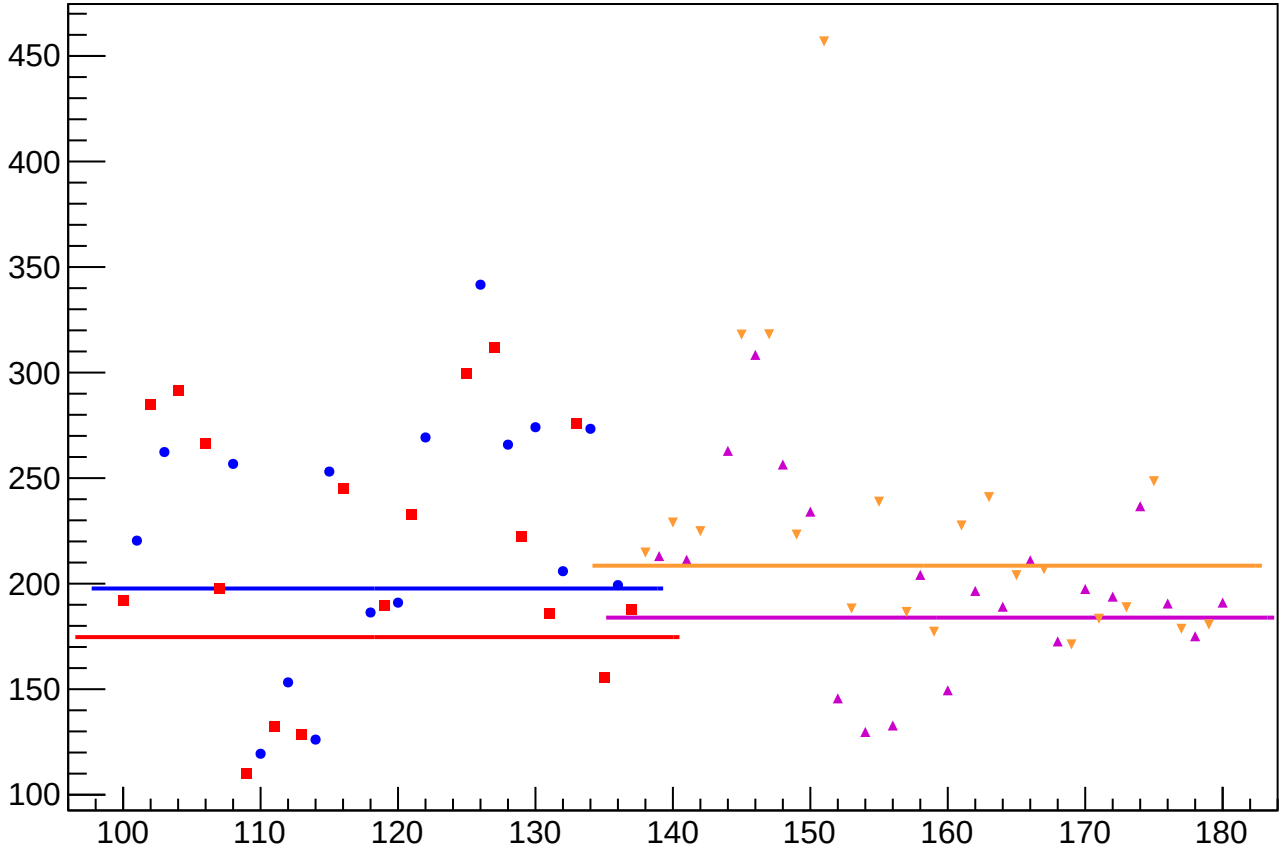
Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 84.298+/-39.781 χ^2/NDF:26.7/36

Out: 41.552+/-42.116 χ^2/NDF:29.5/38

All: 64.143+/-28.919 χ^2/NDF: 56.7/75

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 208.515+/-0.037 χ^2/NDF:1291282.9/20

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 183.915+/-0.033 χ^2/NDF:1548168.2/20

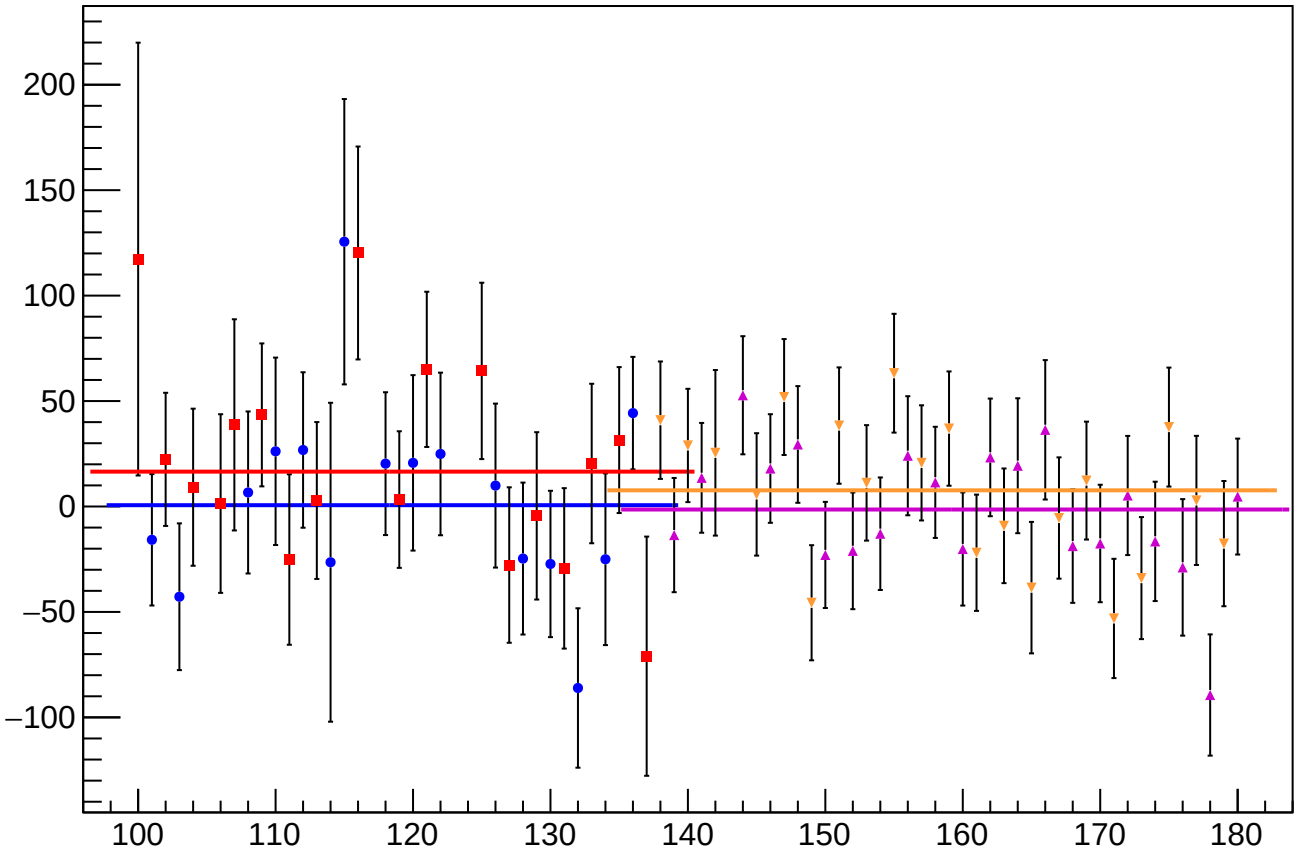
Left: 194.618+/-0.025 χ^2/NDF: 3084721.4/41

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.541+/-0.028 χ^2/NDF:2595080.4/36

Out: 196.208+/-0.030 χ^2/NDF:3124792.7/38

All: 191.628+/-0.020 χ^2/NDF: 5764636.4/75



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.670+/-6.216 χ^2/NDF:27.7/20

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -1.432+/-6.070 χ^2/NDF:22.8/20

Left: 3.011+/-4.343 χ^2/NDF: 51.6/41

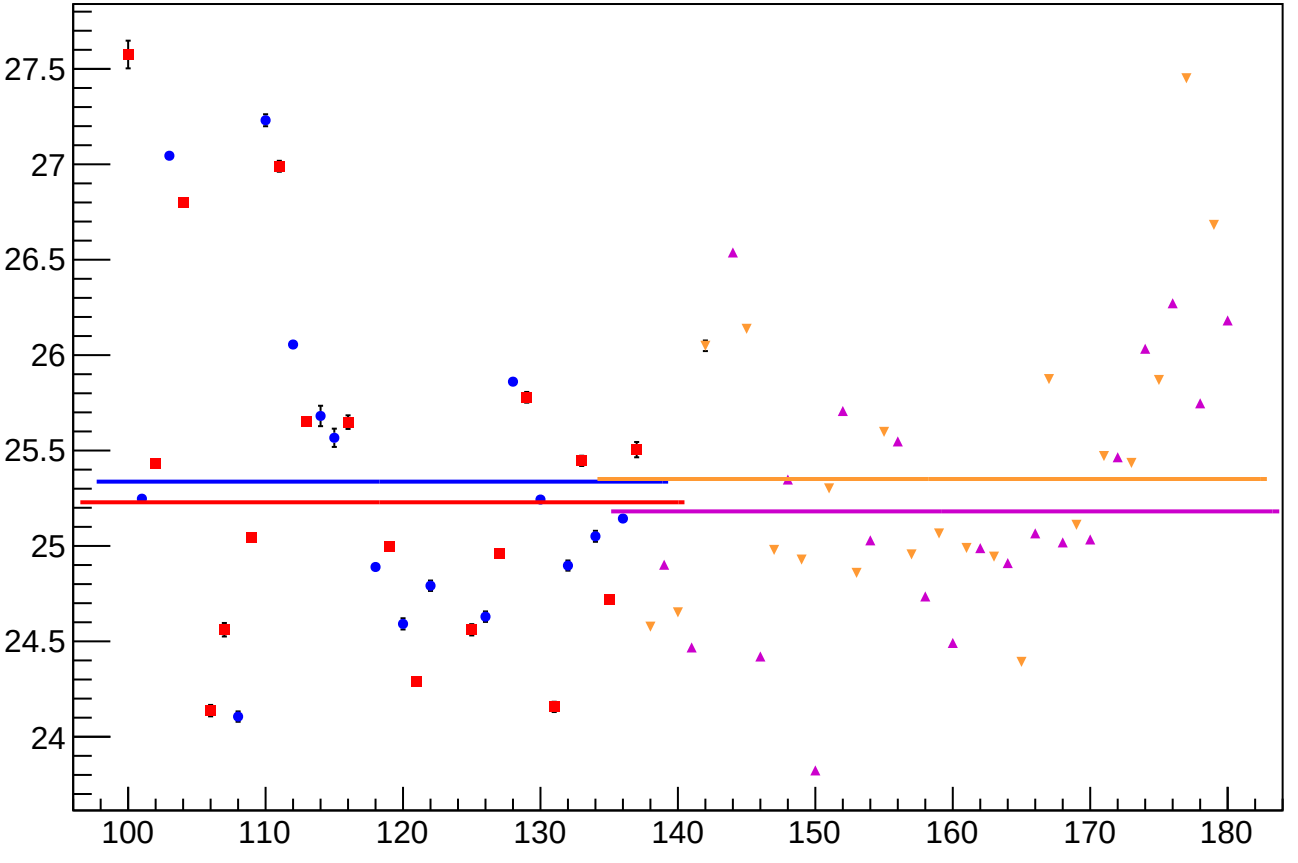
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: -0.830+/-5.103 χ^2/NDF:39.6/36

Out: 10.404+/-5.169 χ^2/NDF:44.7/38

All: 4.714+/-3.631 χ^2/NDF: 86.7/75

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: 25.351+/-0.004 χ^2/NDF:24950.4/20

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.181+/-0.004 χ^2/NDF:25167.7/20

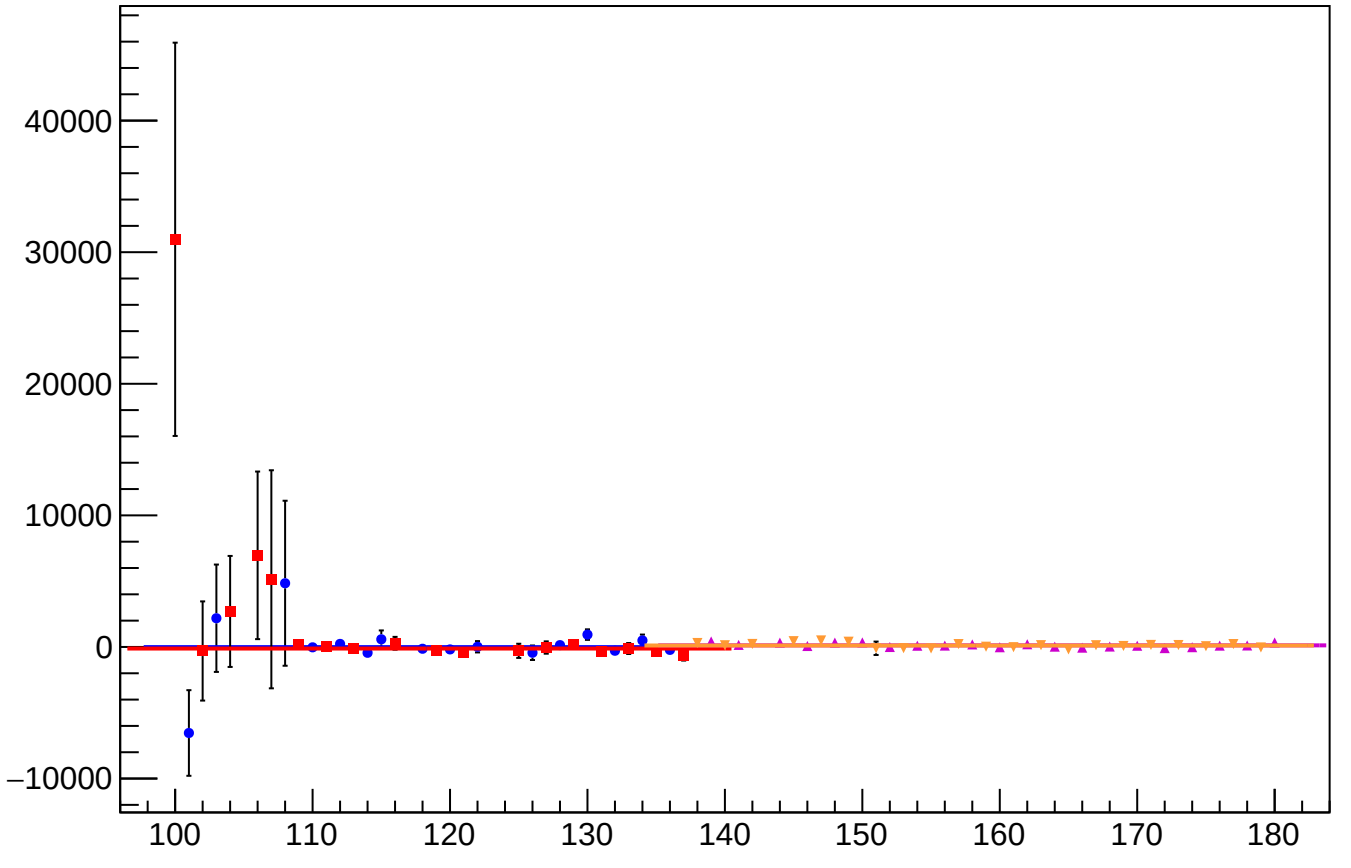
Left: 25.264+/-0.003 χ^2/NDF: 50881.8/41

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.227+/-0.004 χ^2/NDF:39869.9/36

Out: 25.313+/-0.004 χ^2/NDF:40364.4/38

All: 25.269+/-0.003 χ^2/NDF: 80517.1/75



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 111.037+/-52.623 χ^2/NDF:8.8/20

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 121.757+/-46.715 χ^2/NDF:8.1/20

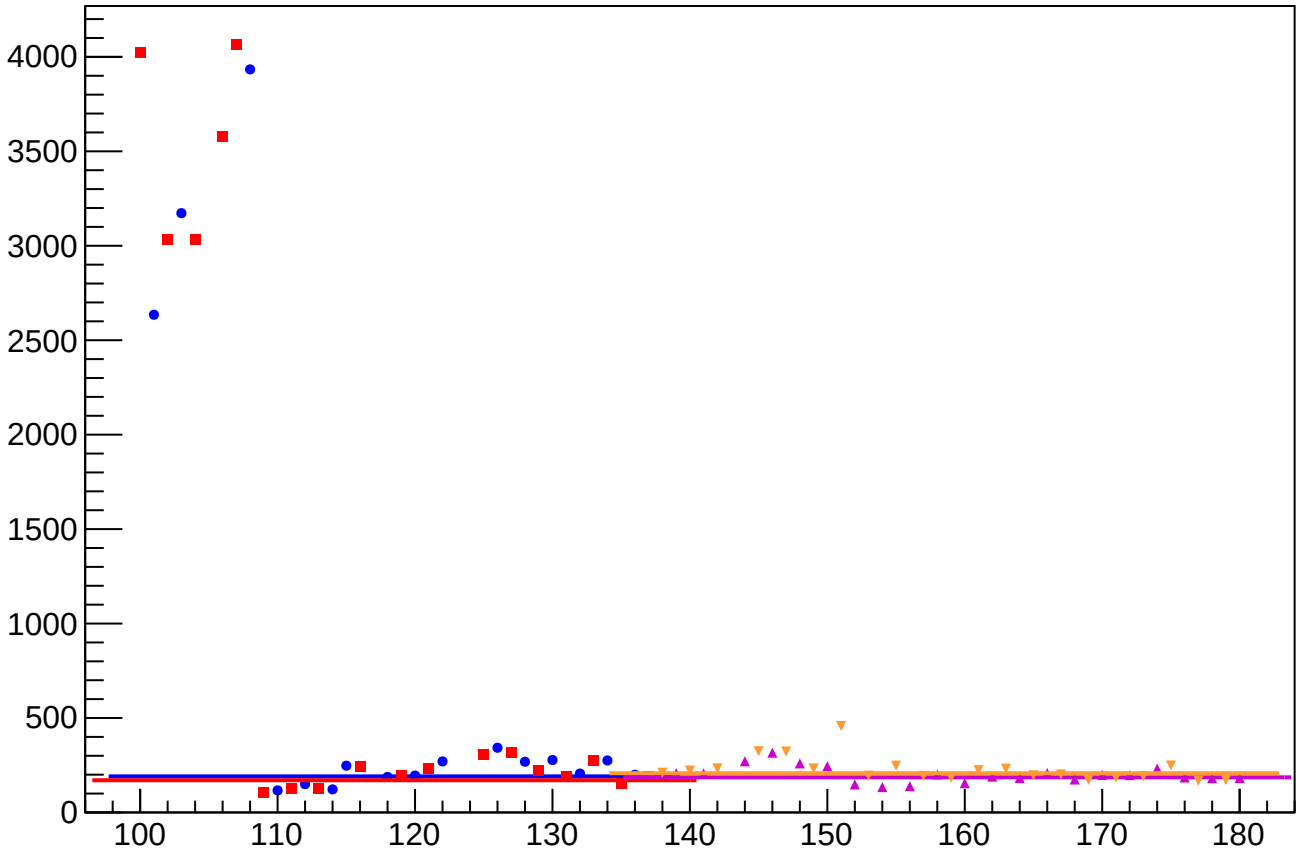
Left: 117.032+/-34.935 χ^2/NDF: 17.0/41

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 90.148+/-40.878 χ^2/NDF:28.4/36

Out: 39.089+/-43.667 χ^2/NDF:29.2/38

All: 66.301+/-29.842 χ^2/NDF: 58.3/75



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 207.680+/-0.037 χ^2/NDF:1360011.3/20

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 185.888+/-0.033 χ^2/NDF:1406613.2/20

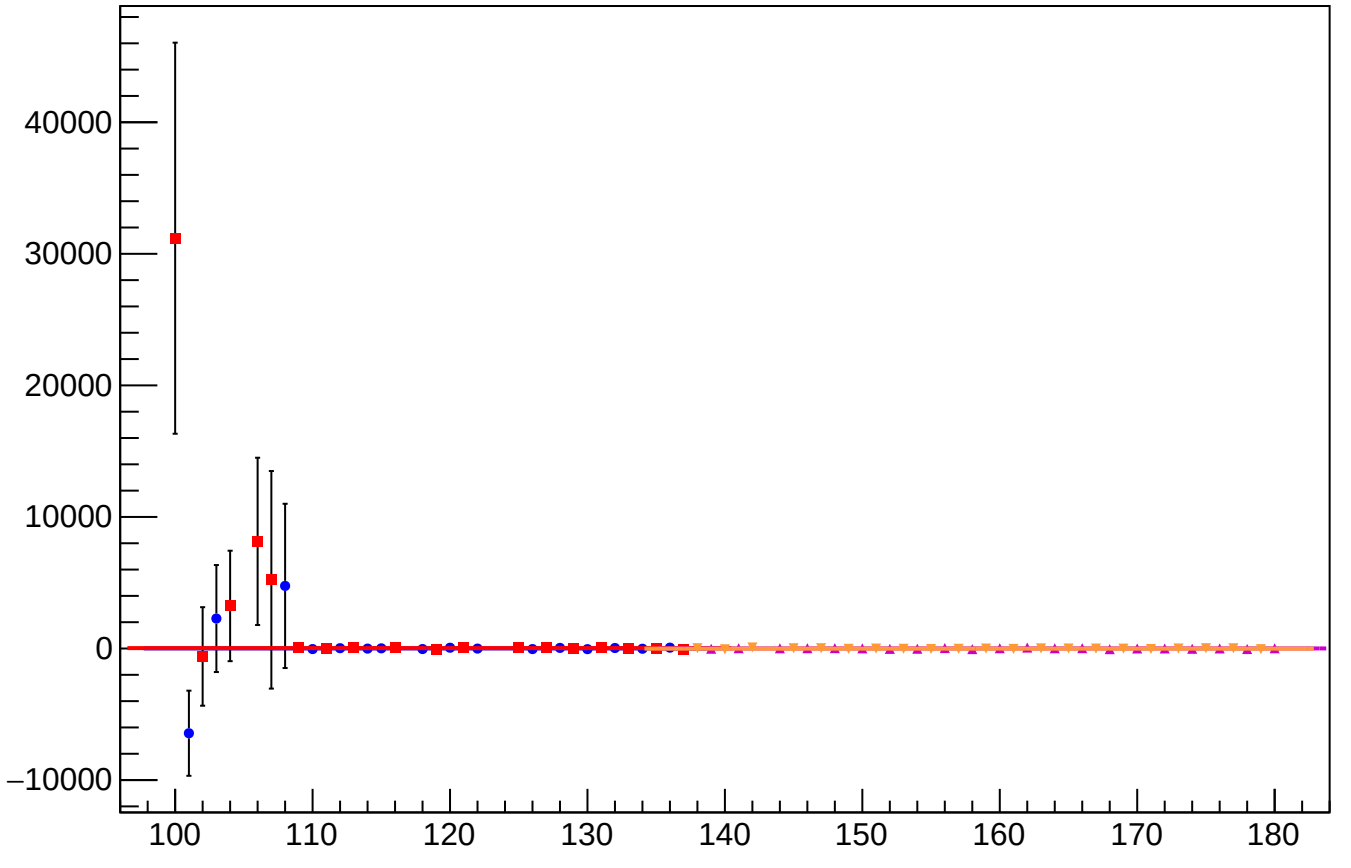
Left: 195.492+/-0.025 χ^2/NDF: 2958452.4/41

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.102+/-0.029 χ^2/NDF:5246331.9/36

Out: 196.099+/-0.031 χ^2/NDF:5925867.6/38

All: 191.304+/-0.021 χ^2/NDF: 11217452.7/75



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.169+/-7.036 χ^2/NDF:15.3/20

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 5.610+/-6.939 χ^2/NDF:18.6/20

Left: -1.184+/-4.941 χ^2/NDF: 35.9/41

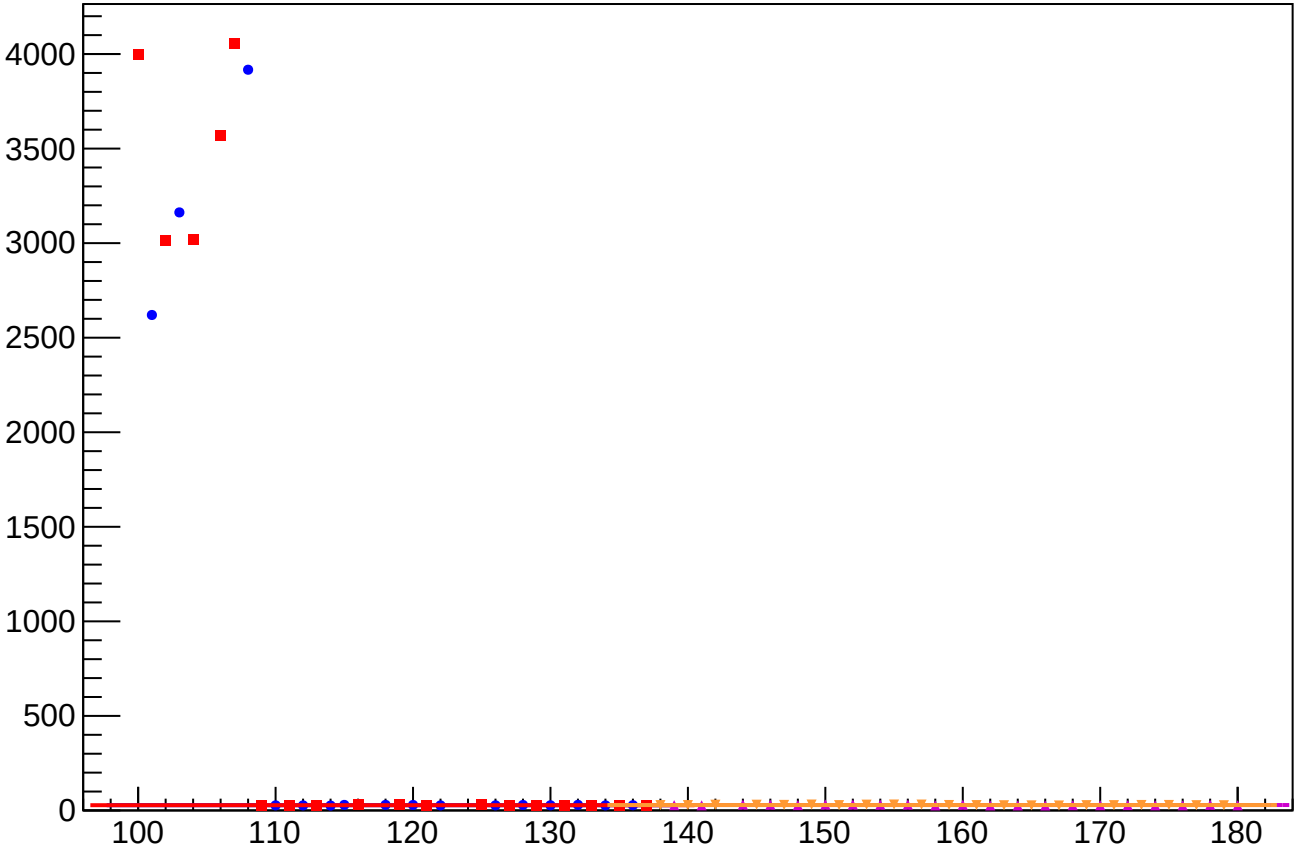
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 5.837+/-5.977 χ^2/NDF:36.9/36

Out: 1.682+/-6.080 χ^2/NDF:42.9/38

All: 3.795+/-4.262 χ^2/NDF: 80.1/75

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: 28.653+/-0.005 χ^2/NDF:78297.6/20

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.716+/-0.005 χ^2/NDF:127183.7/20

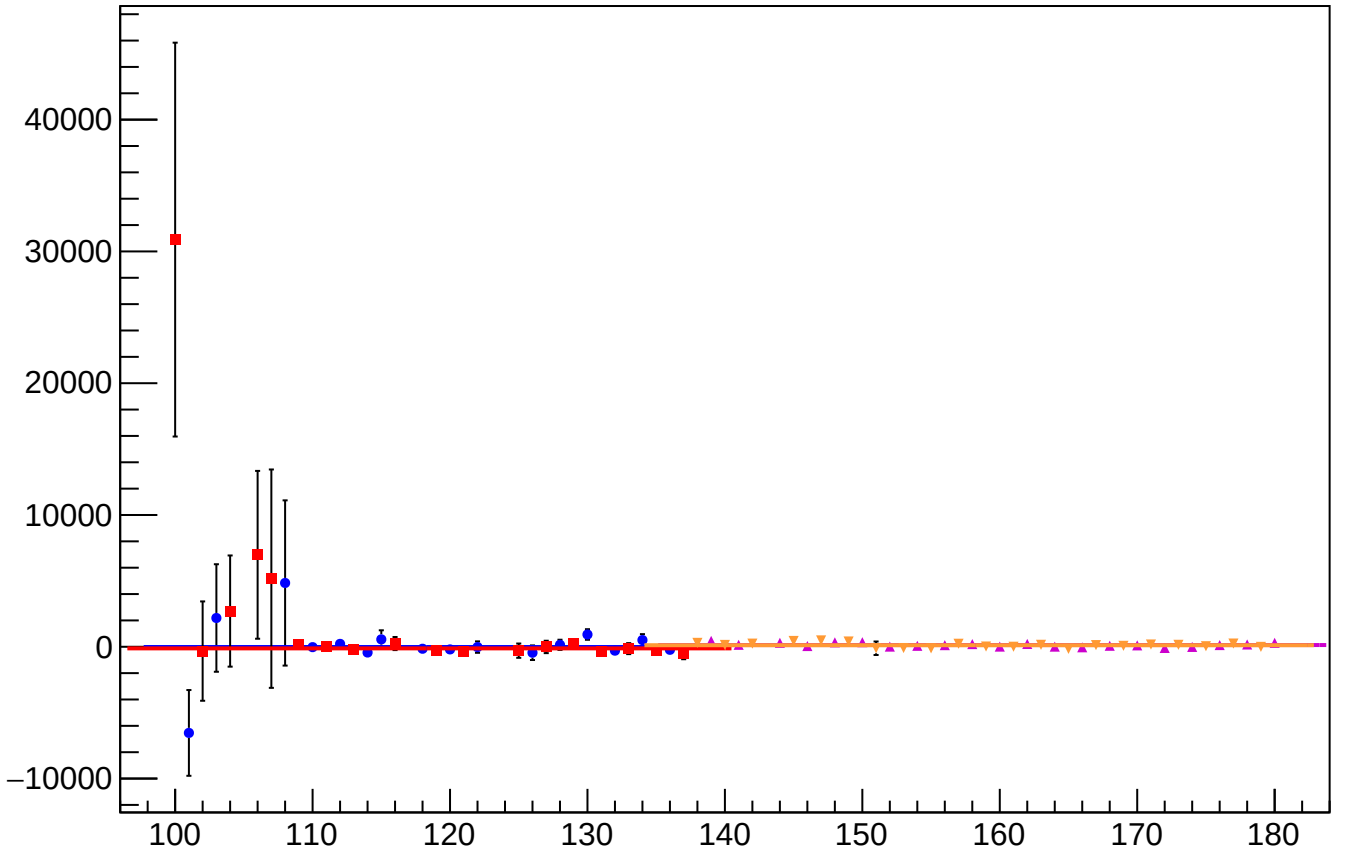
Left: 28.684+/-0.003 χ^2/NDF: 205562.5/41

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.486+/-0.004 χ^2/NDF:3401584.7/36

Out: 28.431+/-0.004 χ^2/NDF:3644516.7/38

All: 28.459+/-0.003 χ^2/NDF: 7046182.9/75



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.515+/-53.059 χ^2/NDF:8.5/20

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 131.380+/-47.144 χ^2/NDF:7.4/20

Left: 125.704+/-35.242 χ^2/NDF: 16.0/41

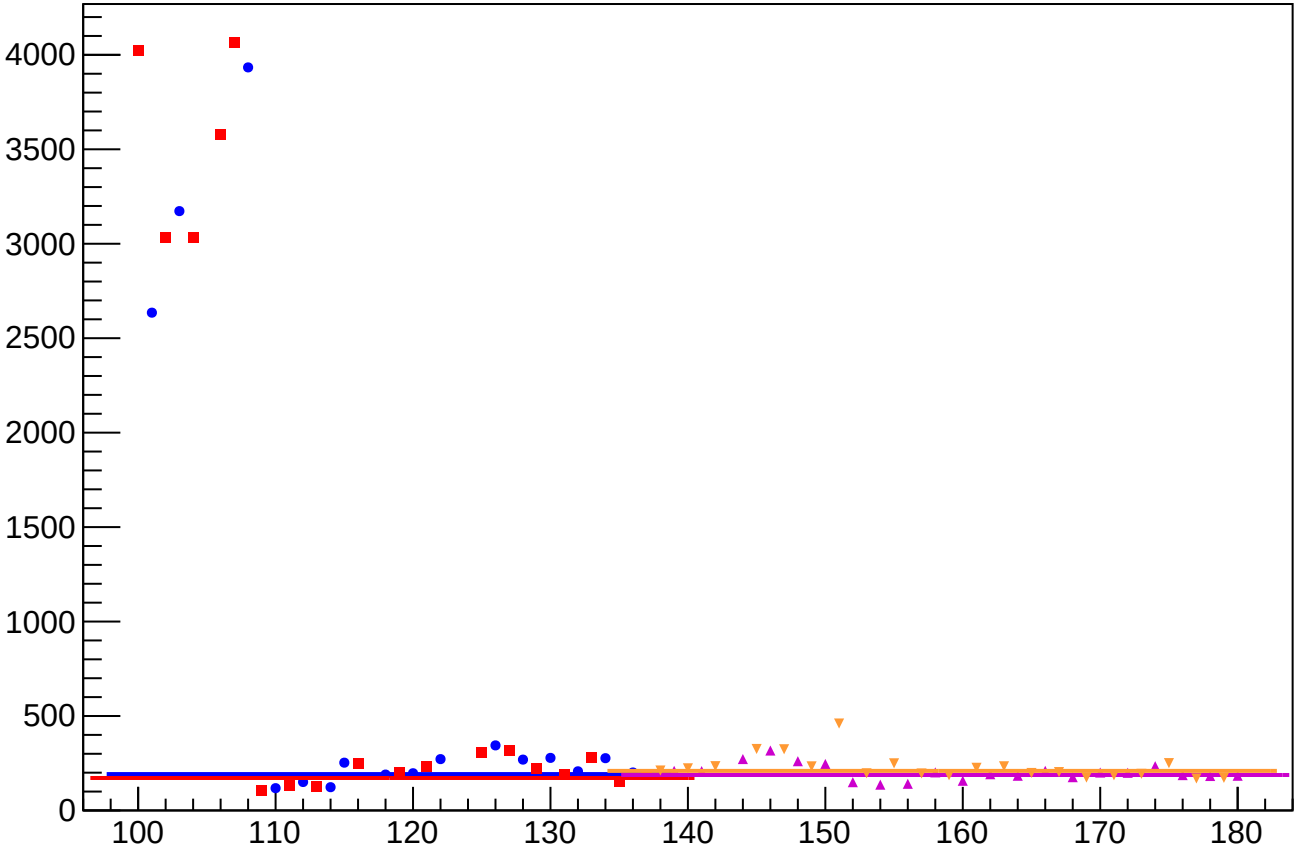
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 95.920+/-41.234 χ^2/NDF:28.0/36

Out: 43.686+/-44.019 χ^2/NDF:28.2/38

All: 71.508+/-30.093 χ^2/NDF: 56.9/75

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: 209.484+/-0.038 χ^2/NDF:1342830.2/20

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 187.728+/-0.033 χ^2/NDF:1366568.3/20

Left: 197.326+/-0.025 χ^2/NDF: 2897318.9/41

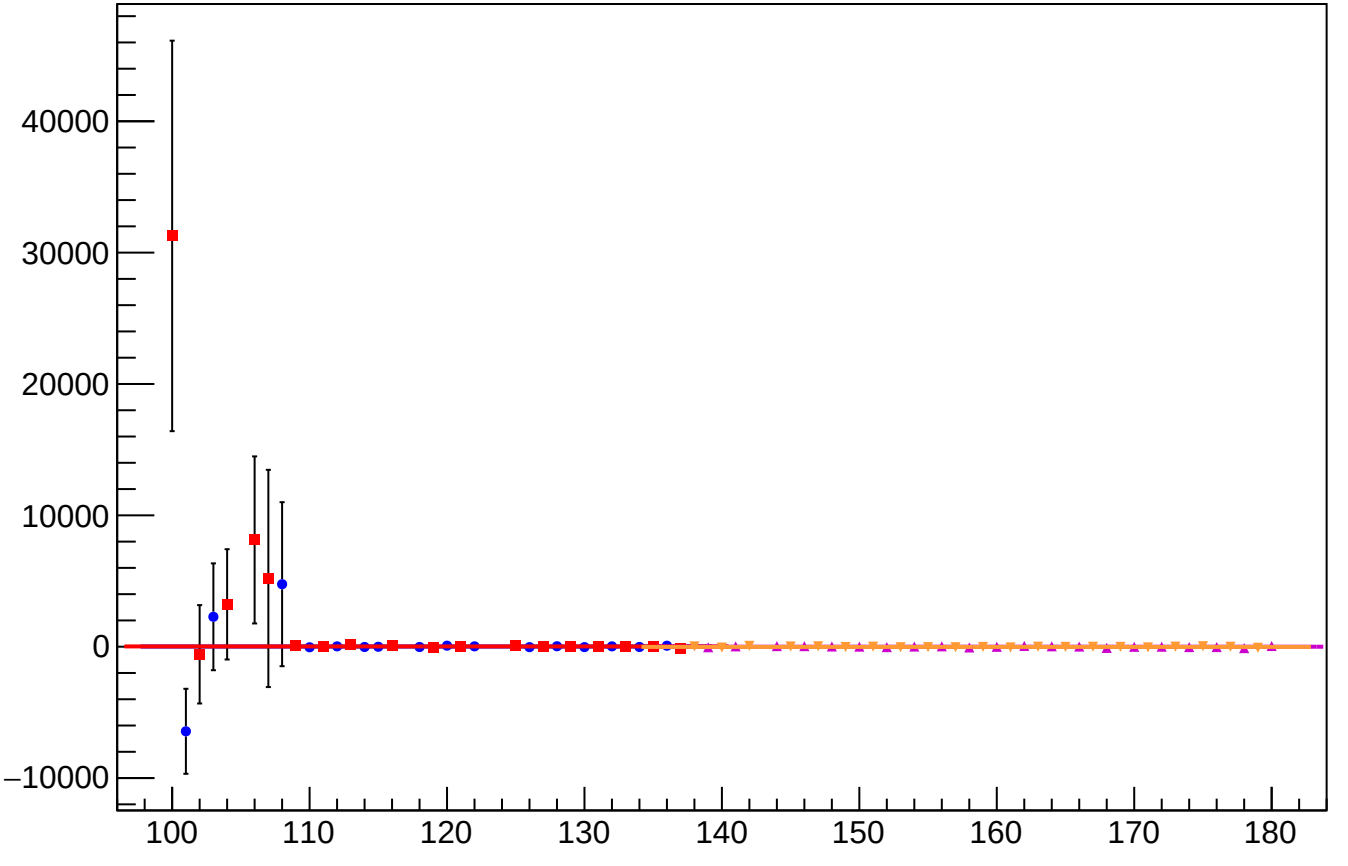
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 188.863+/-0.029 χ^2/NDF:5194295.5/36

Out: 197.768+/-0.031 χ^2/NDF:5903459.1/38

All: 193.025+/-0.021 χ^2/NDF: 11141352.2/75

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: -15.924+/-7.657 χ^2/NDF:18.8/20

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -1.605+/-7.566 χ^2/NDF:34.9/20

Left: -8.679+/-5.382 χ^2/NDF: 55.4/41

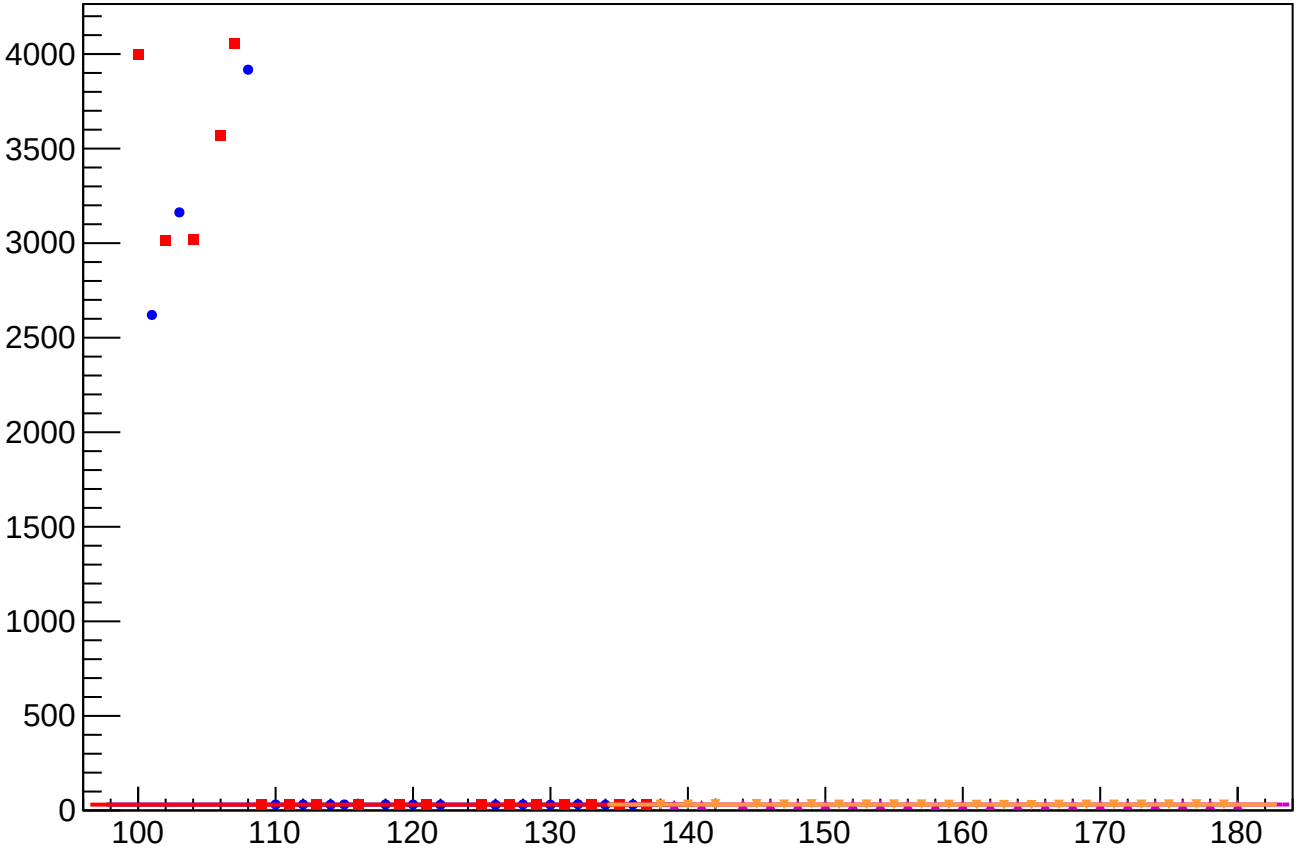
Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 2.243+/-6.547 χ^2/NDF:51.4/36

Out: -6.594+/-6.646 χ^2/NDF:53.1/38

All: -2.109+/-4.664 χ^2/NDF: 105.4/75

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.205+/-0.005 χ^2/NDF:46926.4/20

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.336+/-0.005 χ^2/NDF:83979.6/20

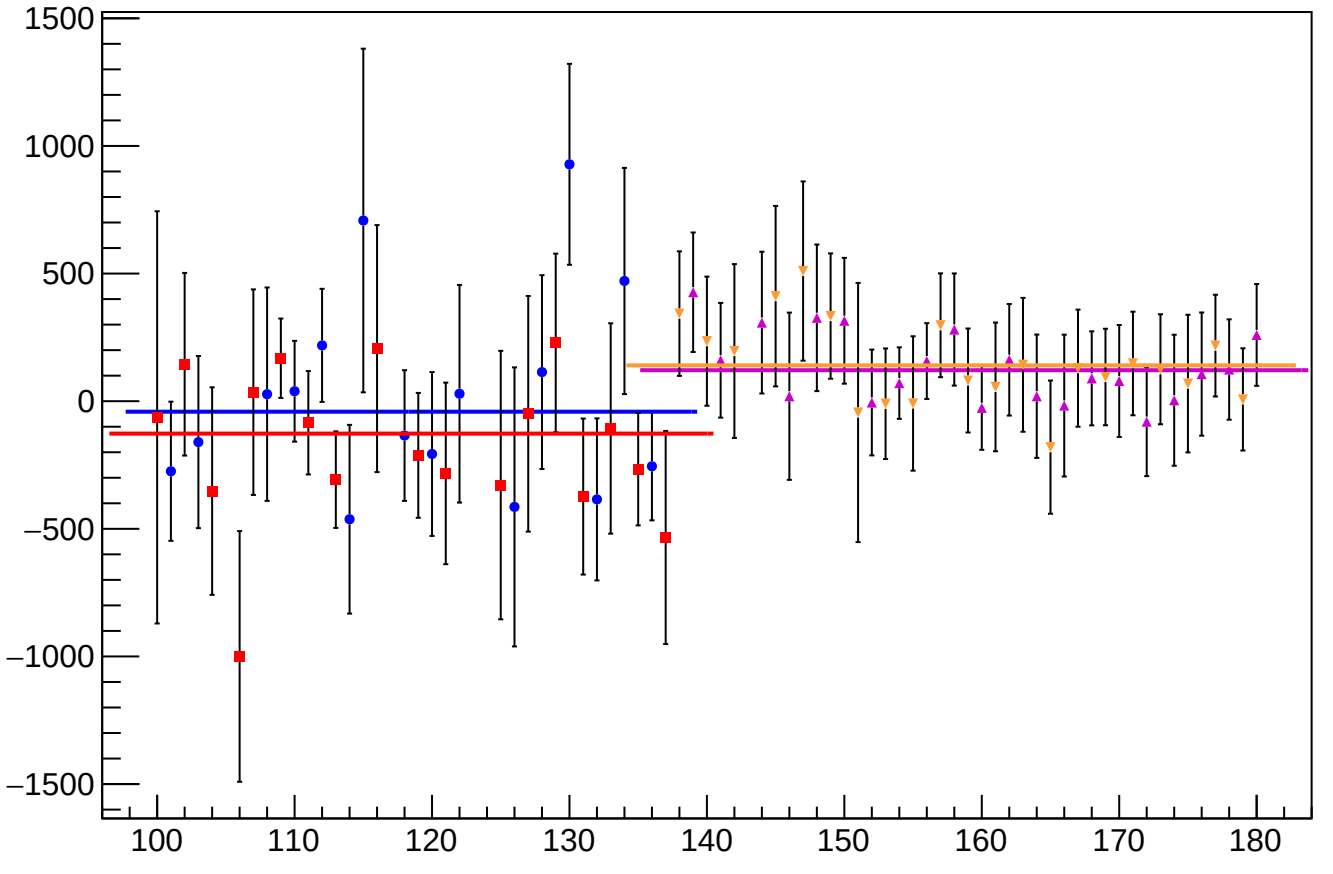
Left: 31.271+/-0.004 χ^2/NDF: 131200.9/41

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.233+/-0.005 χ^2/NDF:3338043.6/36

Out: 31.106+/-0.005 χ^2/NDF:3584238.3/38

All: 31.171+/-0.003 χ^2/NDF: 6922654.0/75



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 140.488+/-52.465 χ^2/NDF:7.1/20

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 121.431+/-45.984 χ^2/NDF:7.4/20

Left: 129.710+/-34.581 χ^2/NDF: 14.6/41

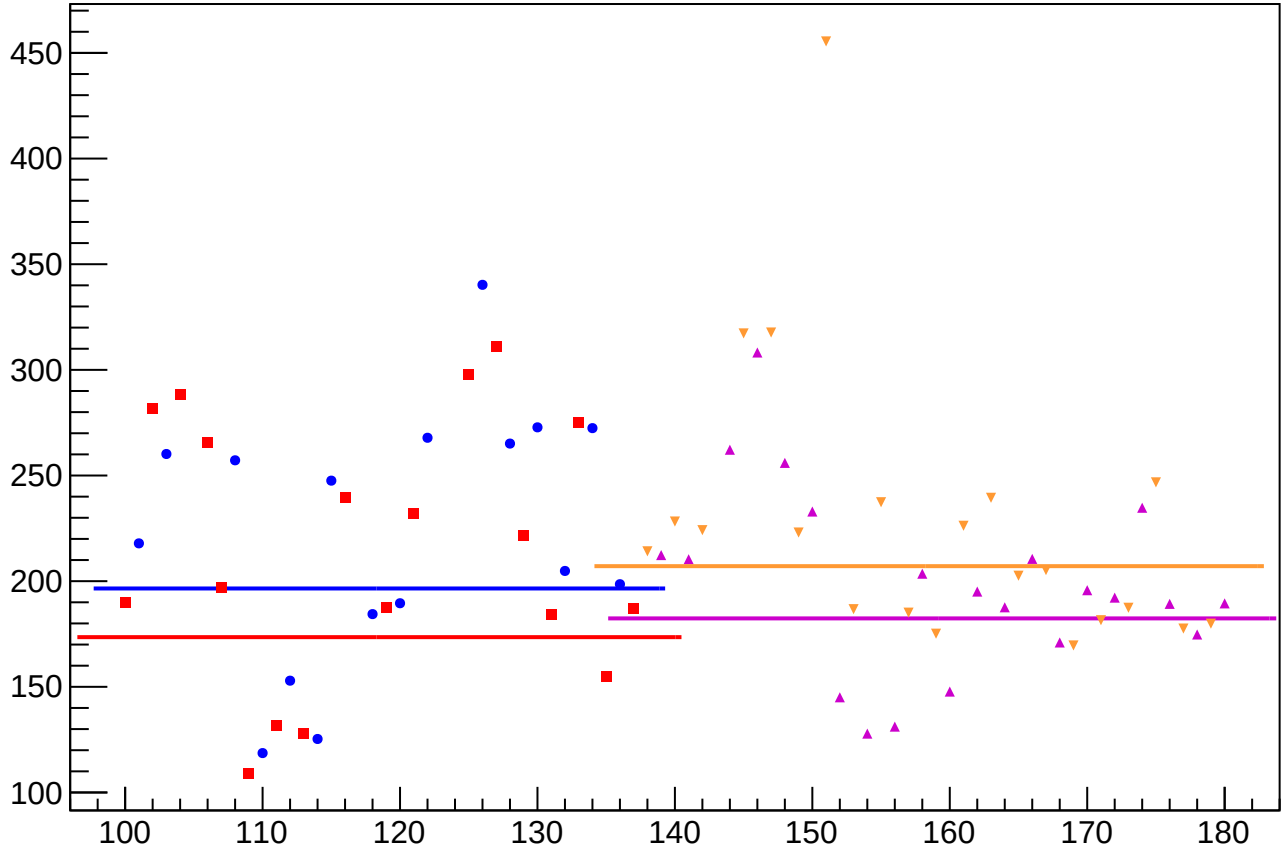
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 78.813+/-39.498 χ^2/NDF:26.3/36

Out: 43.218+/-41.848 χ^2/NDF:29.4/38

All: 62.043+/-28.724 χ^2/NDF: 56.0/75

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 207.104+/-0.037 χ^2/NDF:1310906.8/20

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 182.380+/-0.033 χ^2/NDF:1590948.1/20

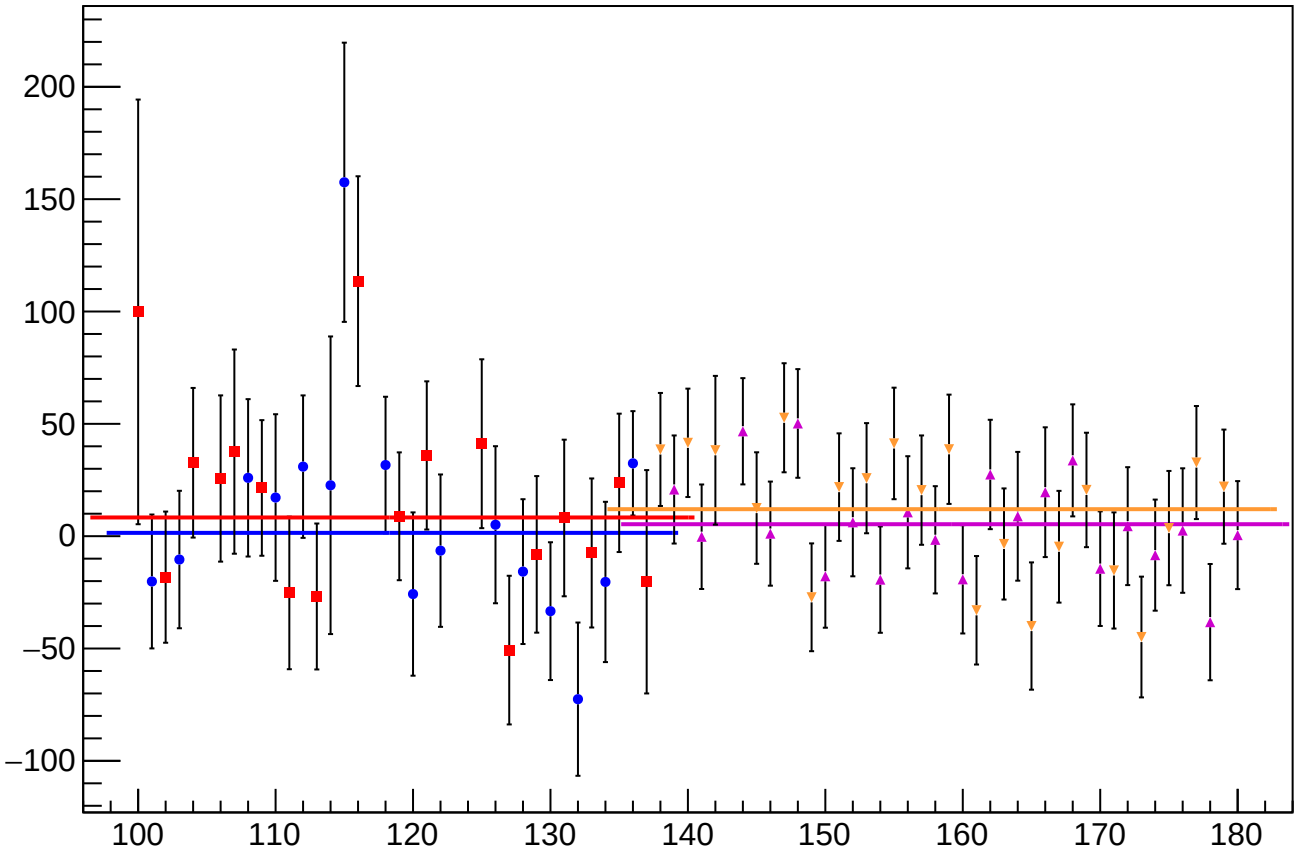
Left: 193.122+/-0.024 χ^2/NDF: 3153051.2/41

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 186.093+/-0.028 χ^2/NDF:2641457.4/36

Out: 194.883+/-0.030 χ^2/NDF:3141950.5/38

All: 190.234+/-0.020 χ^2/NDF: 5830073.3/75



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 12.017+/-5.505 χ^2/NDF:26.3/20

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 5.326+/-5.399 χ^2/NDF:16.5/20

Left: 8.606+/-3.855 χ^2/NDF: 43.5/41

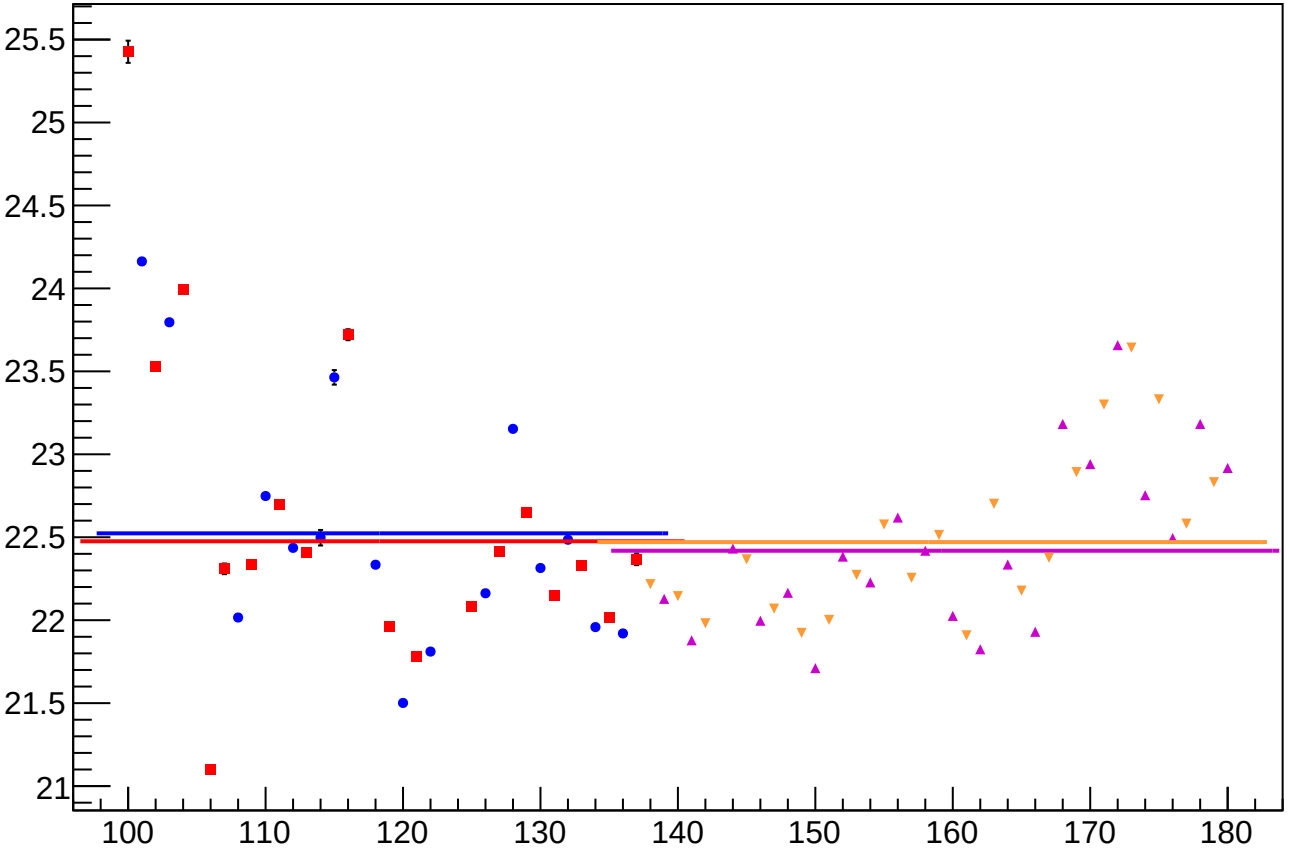
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.194+/-4.537 χ^2/NDF:35.3/36

Out: 10.887+/-4.585 χ^2/NDF:42.4/38

All: 7.505+/-3.225 χ^2/NDF: 78.8/75

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: 22.471+/-0.004 χ^2/NDF:14369.6/20

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.419+/-0.004 χ^2/NDF:16899.6/20

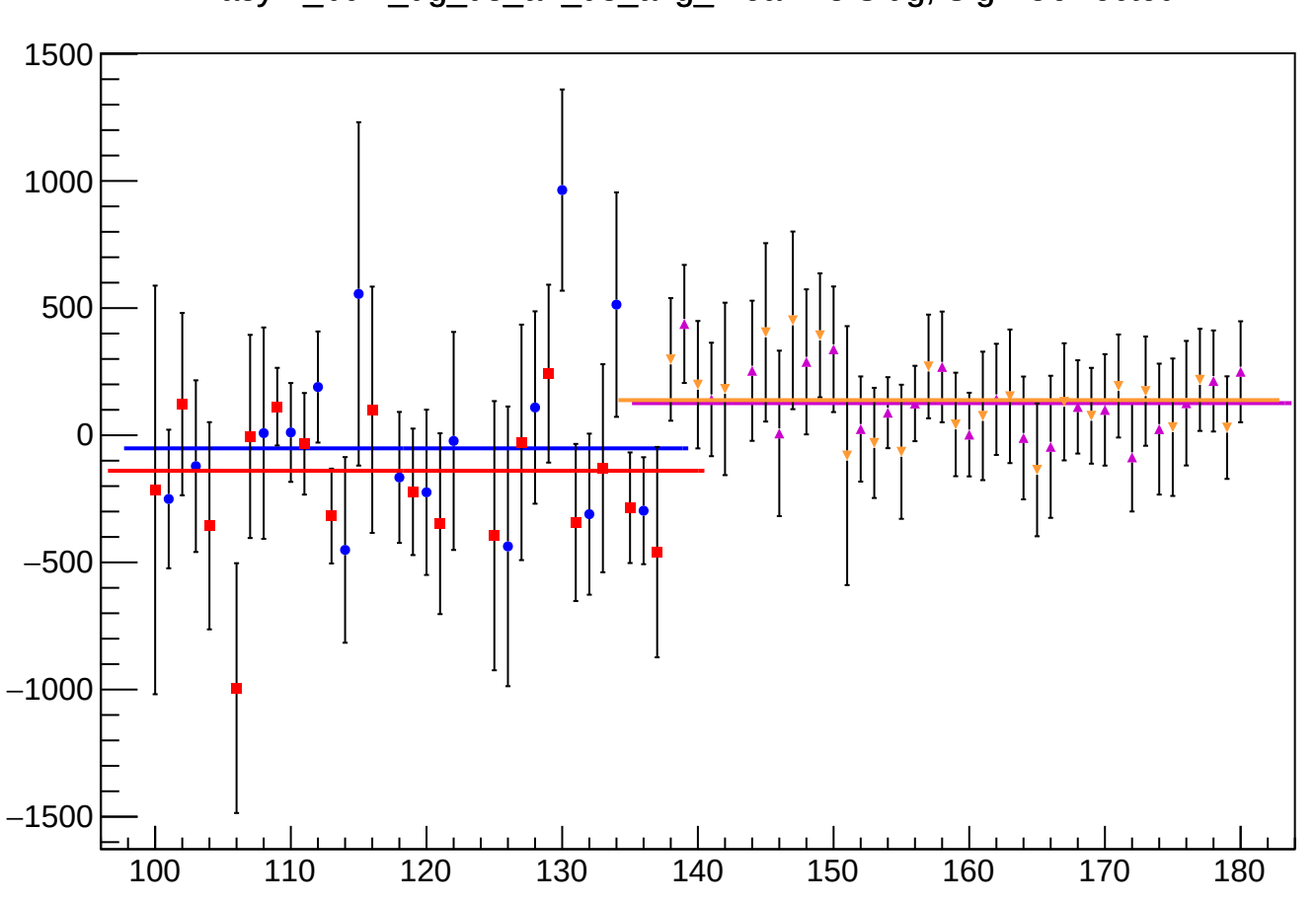
Left: 22.444+/-0.003 χ^2/NDF: 31360.8/41

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.449+/-0.003 χ^2/NDF:33069.3/36

Out: 22.472+/-0.003 χ^2/NDF:29906.7/38

All: 22.461+/-0.002 χ^2/NDF: 63001.0/75



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 138.159+/-52.435 χ^2/NDF:7.0/20

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 126.321+/-45.923 χ^2/NDF:7.0/20

Left: 131.459+/-34.547 χ^2/NDF: 14.0/41

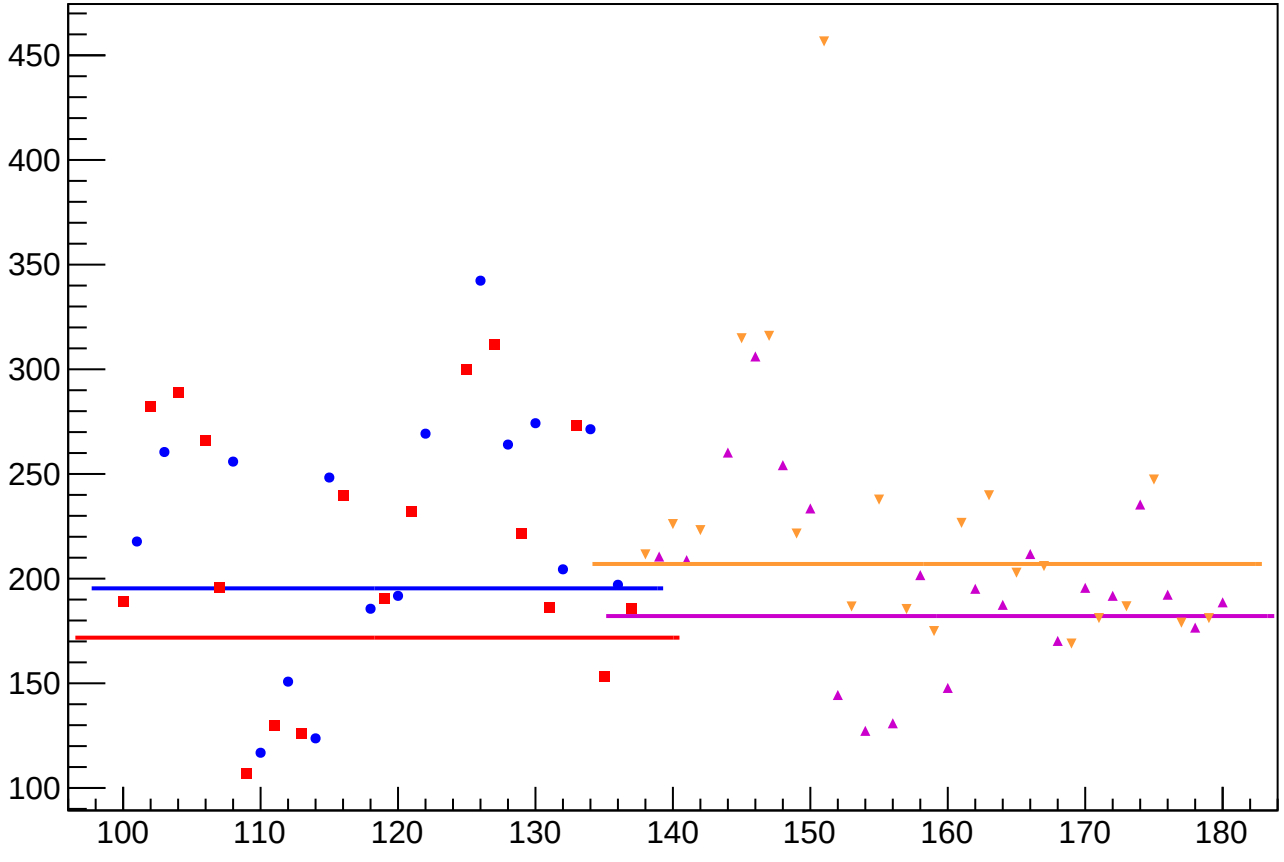
Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 79.487+/-39.414 χ^2/NDF:26.3/36

Out: 36.287+/-41.724 χ^2/NDF:28.8/38

All: 59.115+/-28.652 χ^2/NDF: 55.7/75

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 207.008+/-0.037 χ^2/NDF:1297177.6/20

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 182.124+/-0.032 χ^2/NDF:1584794.7/20

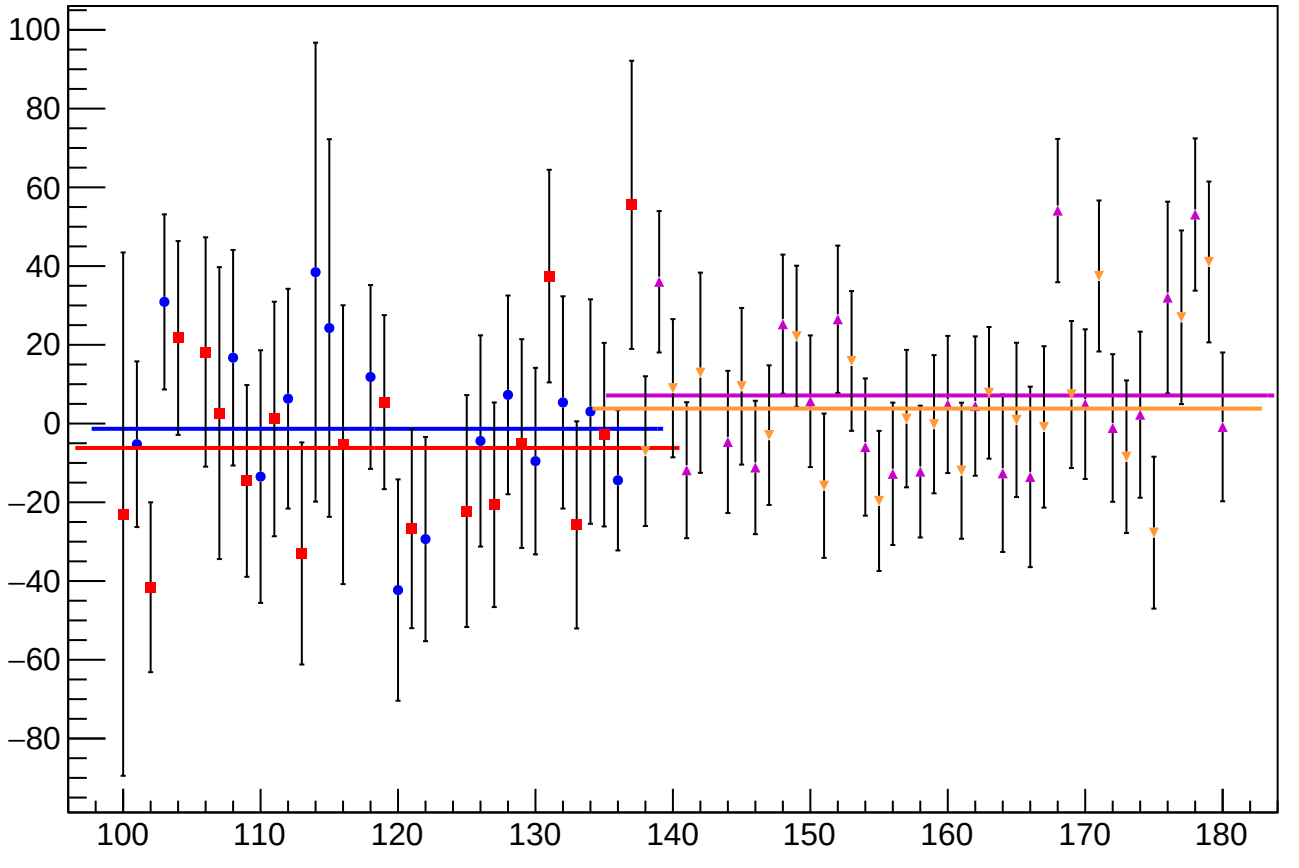
Left: 192.926+/-0.024 χ^2/NDF: 3136892.1/41

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.610+/-0.028 χ^2/NDF:2669995.4/36

Out: 194.094+/-0.030 χ^2/NDF:3228534.7/38

All: 189.611+/-0.020 χ^2/NDF: 5942230.9/75



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.807+/-4.100 χ^2/NDF:16.8/20

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 7.135+/-4.033 χ^2/NDF:26.2/20

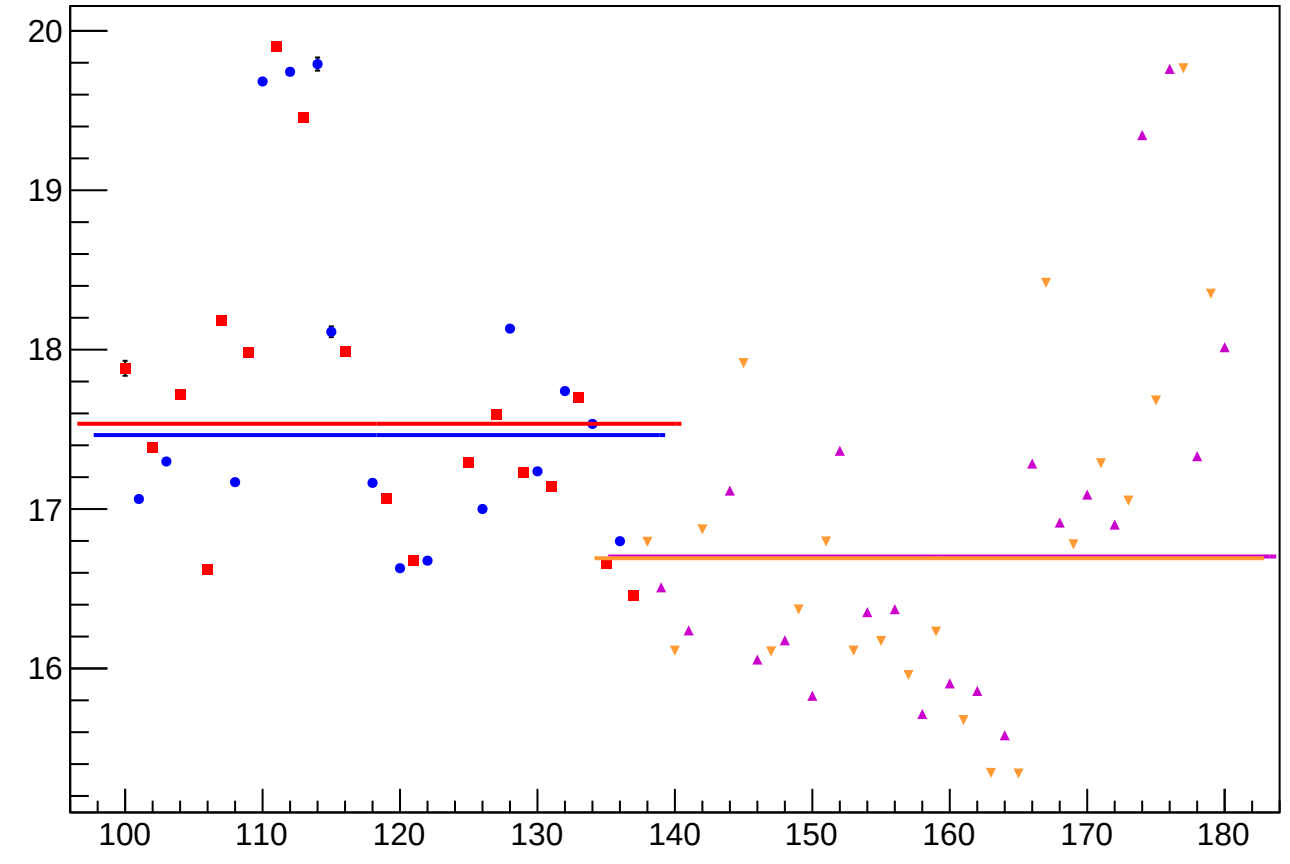
Left: 5.498+/-2.875 χ^2/NDF: 43.4/41

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 4.781+/-3.427 χ^2/NDF:35.5/36

Out: 0.944+/-3.463 χ^2/NDF:32.0/38

All: 2.883+/-2.436 χ^2/NDF: 68.1/75



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.692+/-0.003 χ^2/NDF:125099.7/20

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.702+/-0.003 χ^2/NDF:116179.5/20

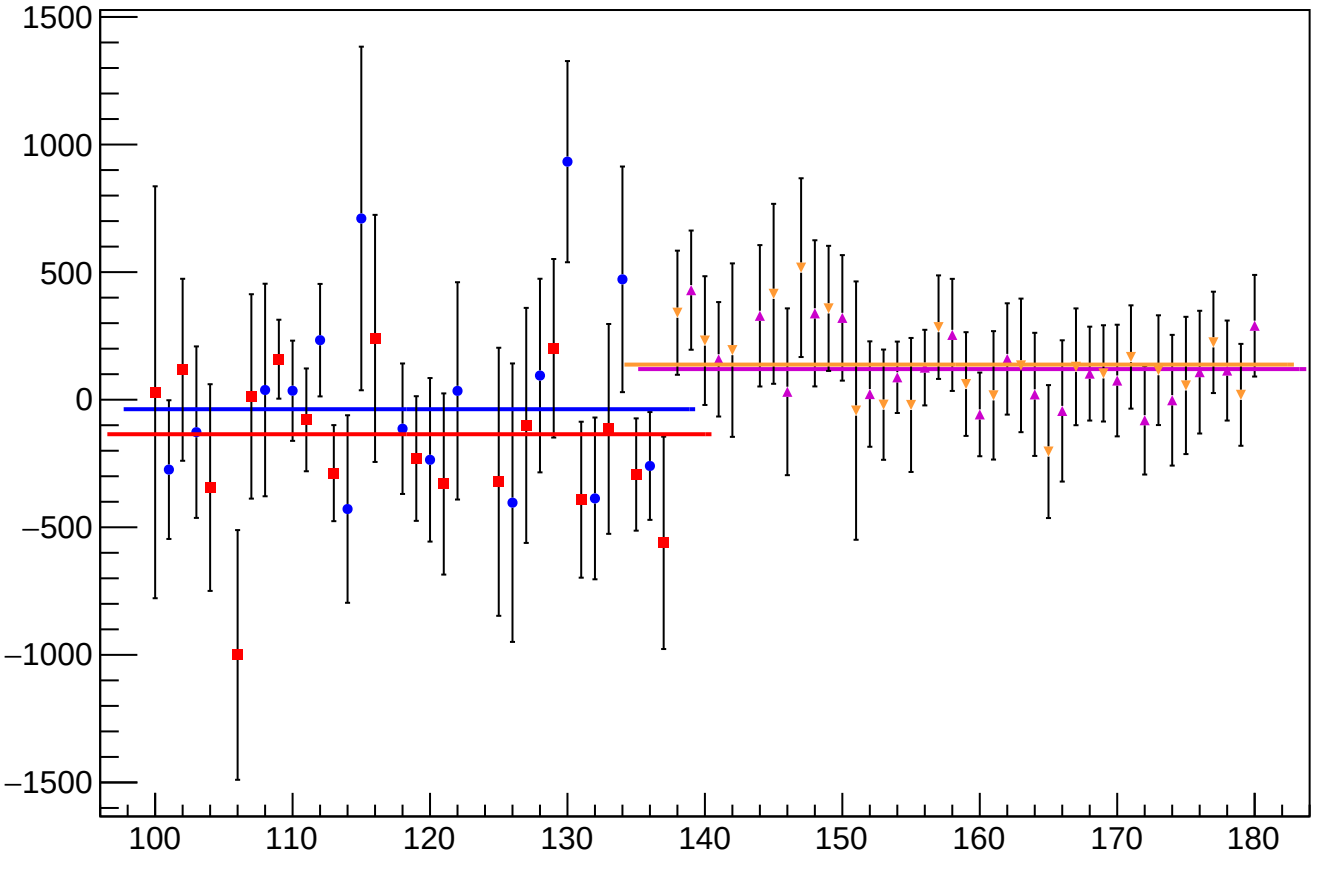
Left: 16.697+/-0.002 χ^2/NDF: 241286.3/41

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.914+/-0.002 χ^2/NDF:172671.6/36

Out: 16.933+/-0.002 χ^2/NDF:183814.2/38

All: 16.924+/-0.002 χ^2/NDF: 356515.7/75



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 137.632+/-52.344 χ^2/NDF:7.8/20

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 119.965+/-45.891 χ^2/NDF:7.9/20

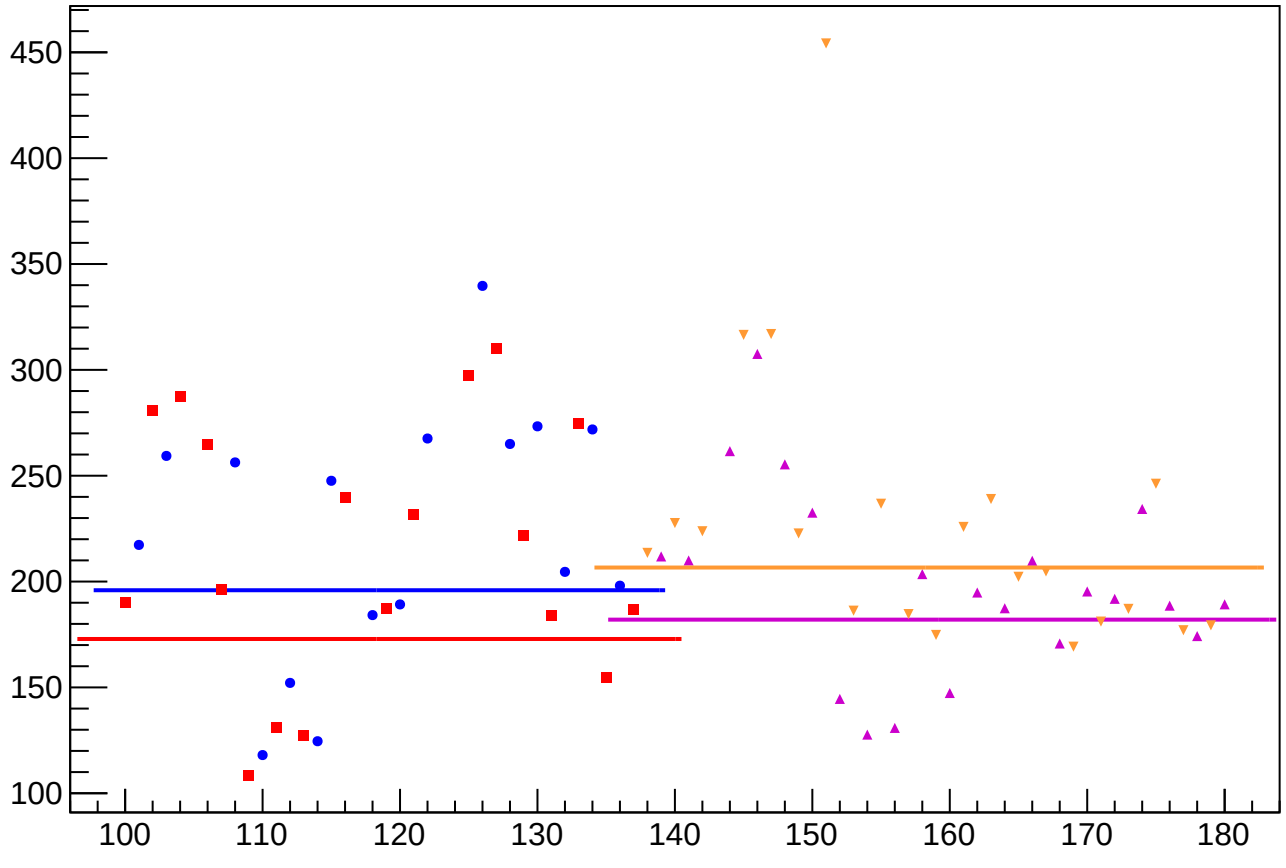
Left: 127.643+/-34.507 χ^2/NDF: 15.8/41

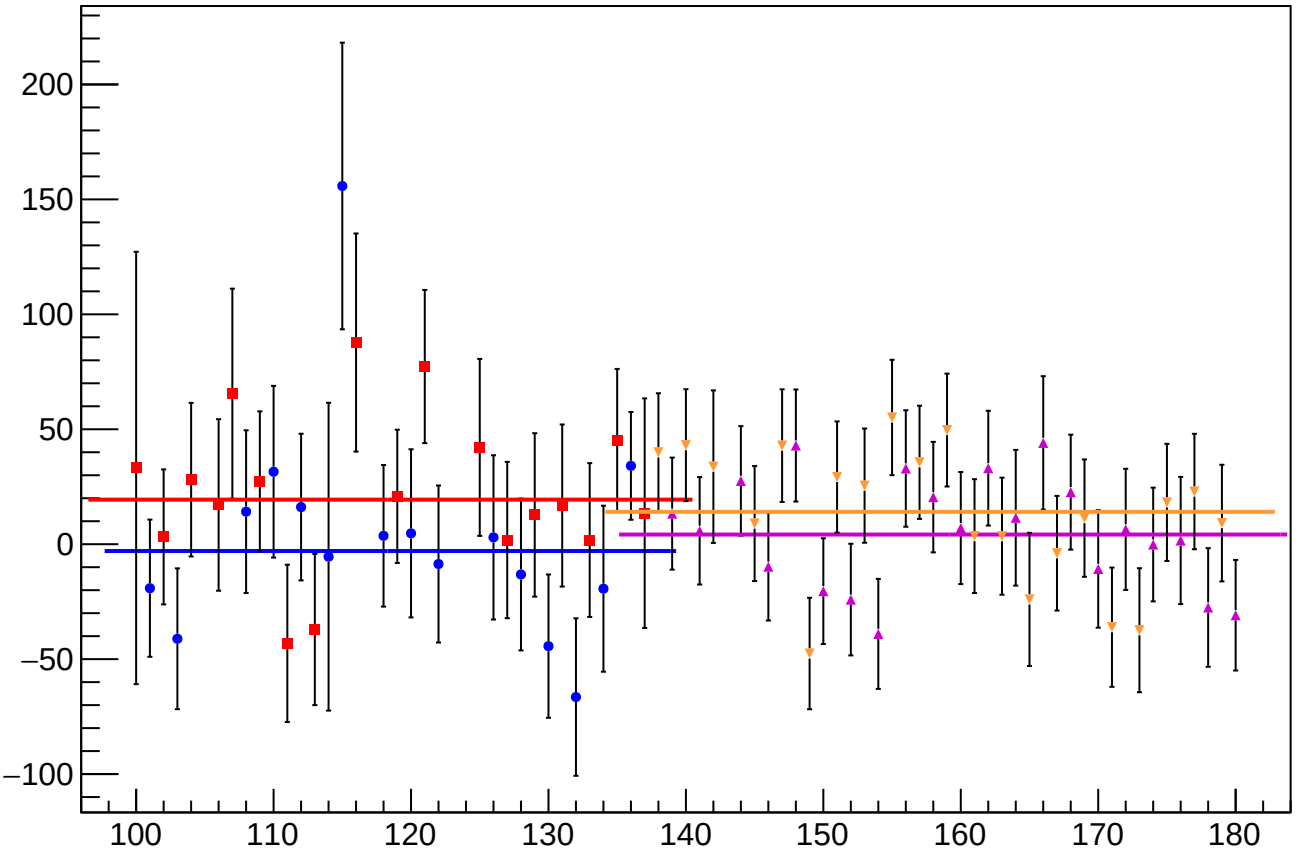
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 78.693+/-39.410 χ^2/NDF:26.7/36

Out: 38.233+/-41.737 χ^2/NDF:30.5/38

All: 59.623+/-28.654 χ^2/NDF: 57.7/75


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
180
Right In: 195.900+/-0.054 χ²/NDF: 1011012.3/15
Left Out: 206.626+/-0.037 χ²/NDF:1311537.4/20
Right Out: 172.873+/-0.049 χ²/NDF: 1543258.3/17
Left In: 182.012+/-0.032 χ²/NDF:1591040.5/20
Left: 192.709+/-0.024 χ²/NDF: 3152616.2/41
Right: 183.167+/-0.036 χ²/NDF: 2653391.3/33
In: 185.658+/-0.028 χ²/NDF:2650135.6/36
Out: 194.332+/-0.030 χ²/NDF:3157685.4/38
All: 189.747+/-0.020 χ²/NDF: 5853490.8/75



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.089+/-5.559 χ^2/NDF:27.0/20

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 4.204+/-5.442 χ^2/NDF:19.4/20

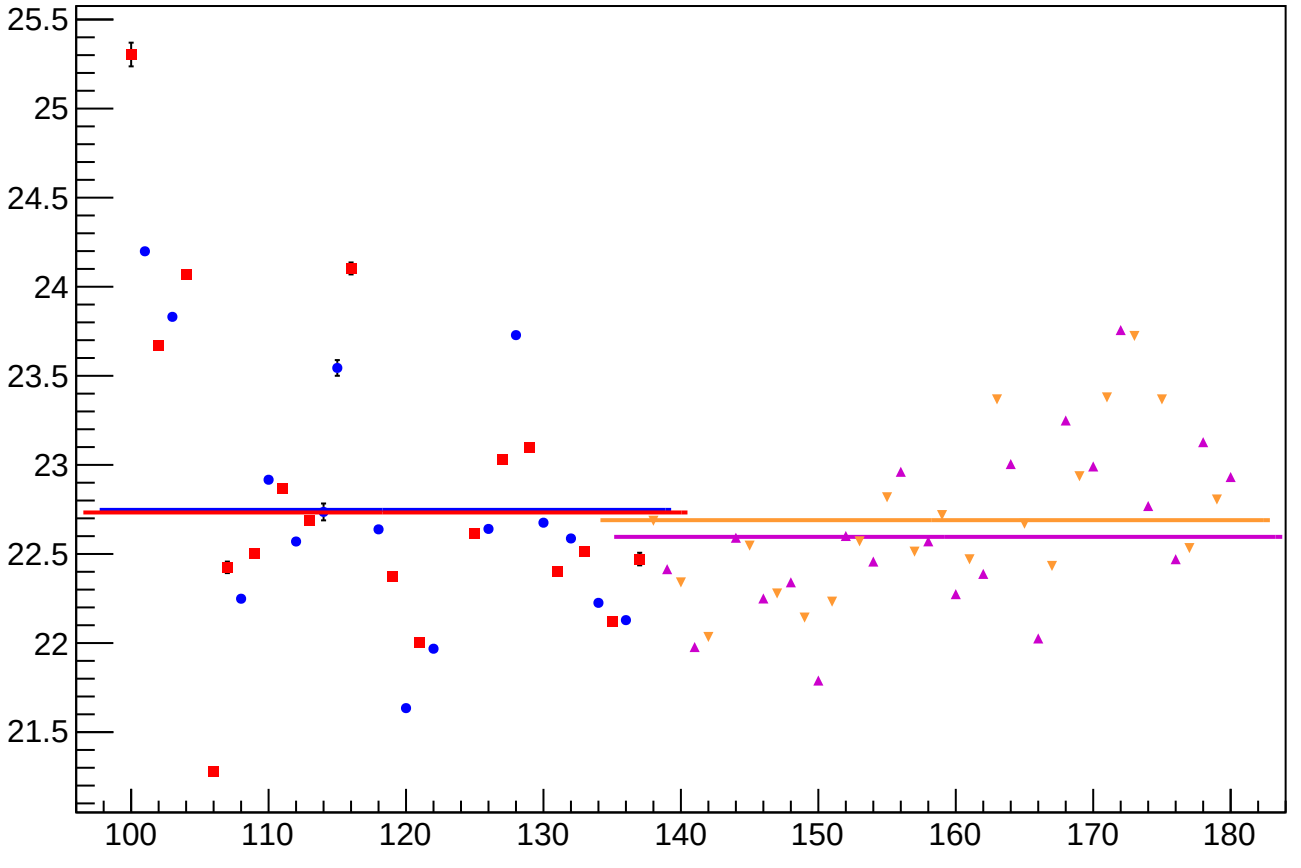
Left: 9.041+/-3.889 χ^2/NDF: 48.0/41

Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 2.103+/-4.576 χ^2/NDF:37.8/36

Out: 15.708+/-4.633 χ^2/NDF:41.8/38

All: 8.821+/-3.256 χ^2/NDF: 84.0/75



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.690+/-0.004 χ^2/NDF:11621.6/20

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.596+/-0.004 χ^2/NDF:13851.7/20

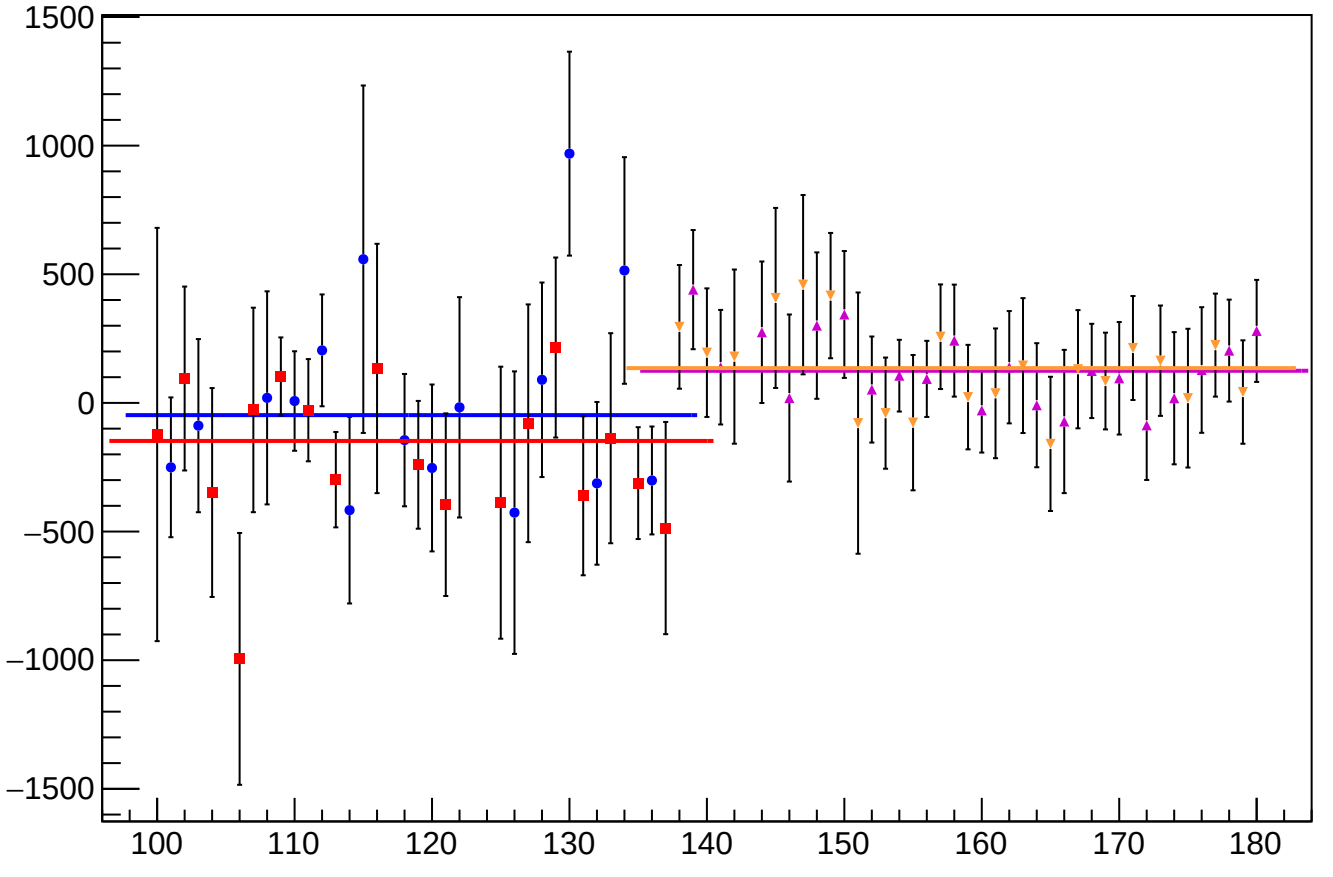
Left: 22.642+/-0.003 χ^2/NDF: 25763.3/41

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.640+/-0.003 χ^2/NDF:28928.1/36

Out: 22.703+/-0.003 χ^2/NDF:26048.1/38

All: 22.671+/-0.002 χ^2/NDF: 55160.6/75



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.223+/-52.314 χ^2/NDF:7.8/20

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 124.938+/-45.831 χ^2/NDF:7.6/20

Left: 129.404+/-34.473 χ^2/NDF: 15.3/41

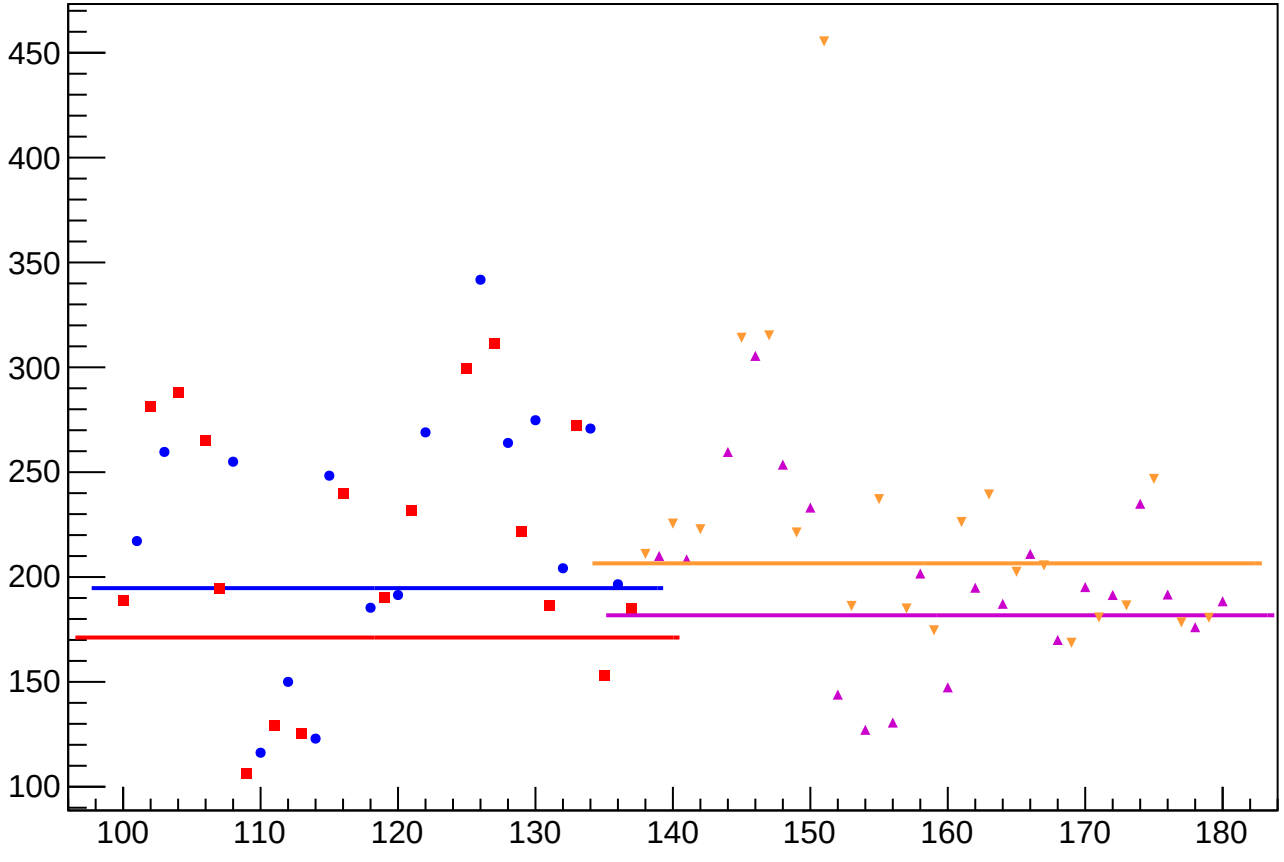
Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 79.450+/-39.325 χ^2/NDF:26.7/36

Out: 31.262+/-41.612 χ^2/NDF:30.0/38

All: 56.717+/-28.581 χ^2/NDF: 57.4/75

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 206.530+/-0.037 χ^2/NDF:1297767.0/20

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 181.759+/-0.032 χ^2/NDF:1584647.7/20

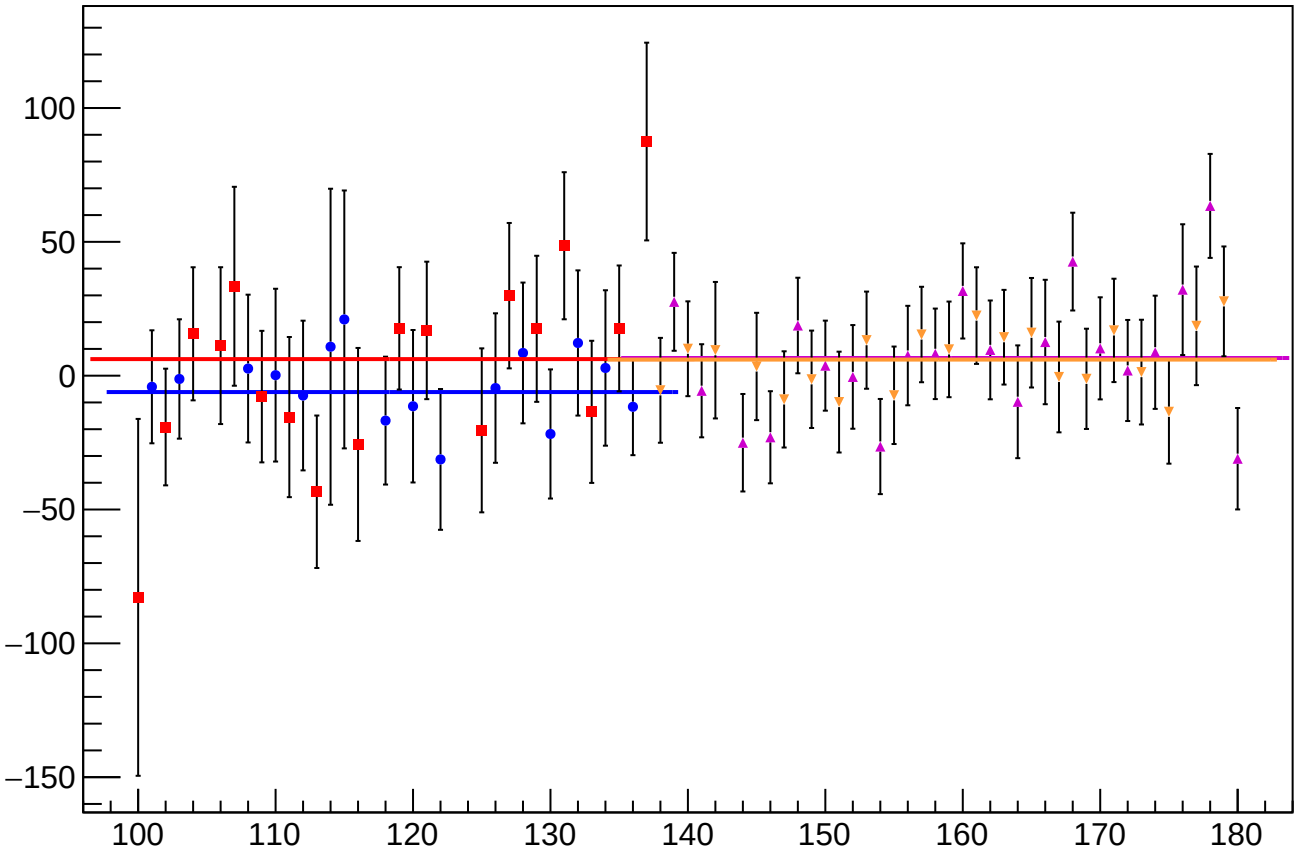
Left: 192.515+/-0.024 χ^2/NDF: 3136117.0/41

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.174+/-0.028 χ^2/NDF:2679048.0/36

Out: 193.537+/-0.029 χ^2/NDF:3245578.9/38

All: 189.119+/-0.020 χ^2/NDF: 5967296.1/75



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 6.013+/-4.177 χ^2/NDF:7.4/20

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 6.604+/-4.093 χ^2/NDF:32.2/20

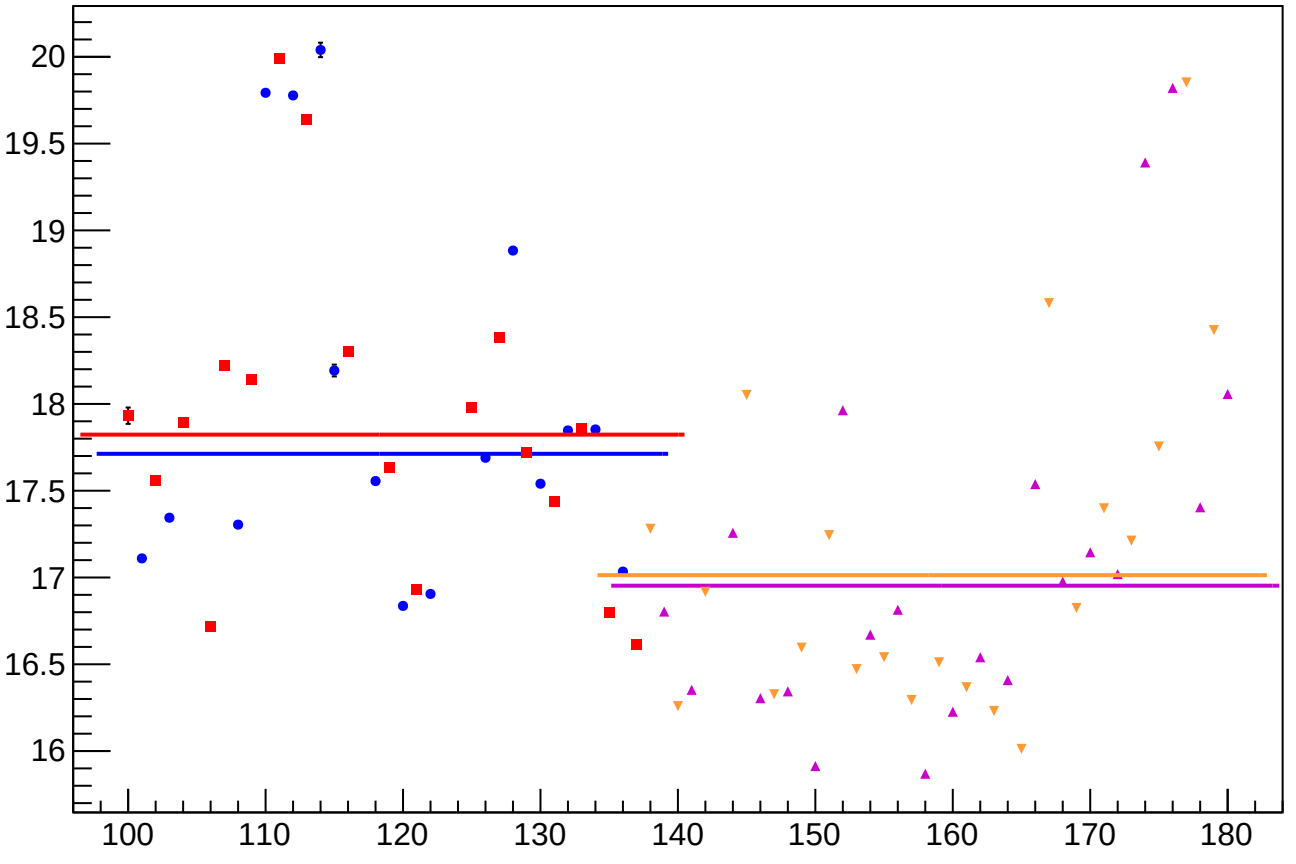
Left: 6.314+/-2.924 χ^2/NDF: 39.6/41

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 3.064+/-3.477 χ^2/NDF:38.0/36

Out: 6.065+/-3.527 χ^2/NDF:26.0/38

All: 4.543+/-2.476 χ^2/NDF: 64.4/75



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.013+/-0.003 χ^2/NDF:90827.5/20

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.953+/-0.003 χ^2/NDF:99353.8/20

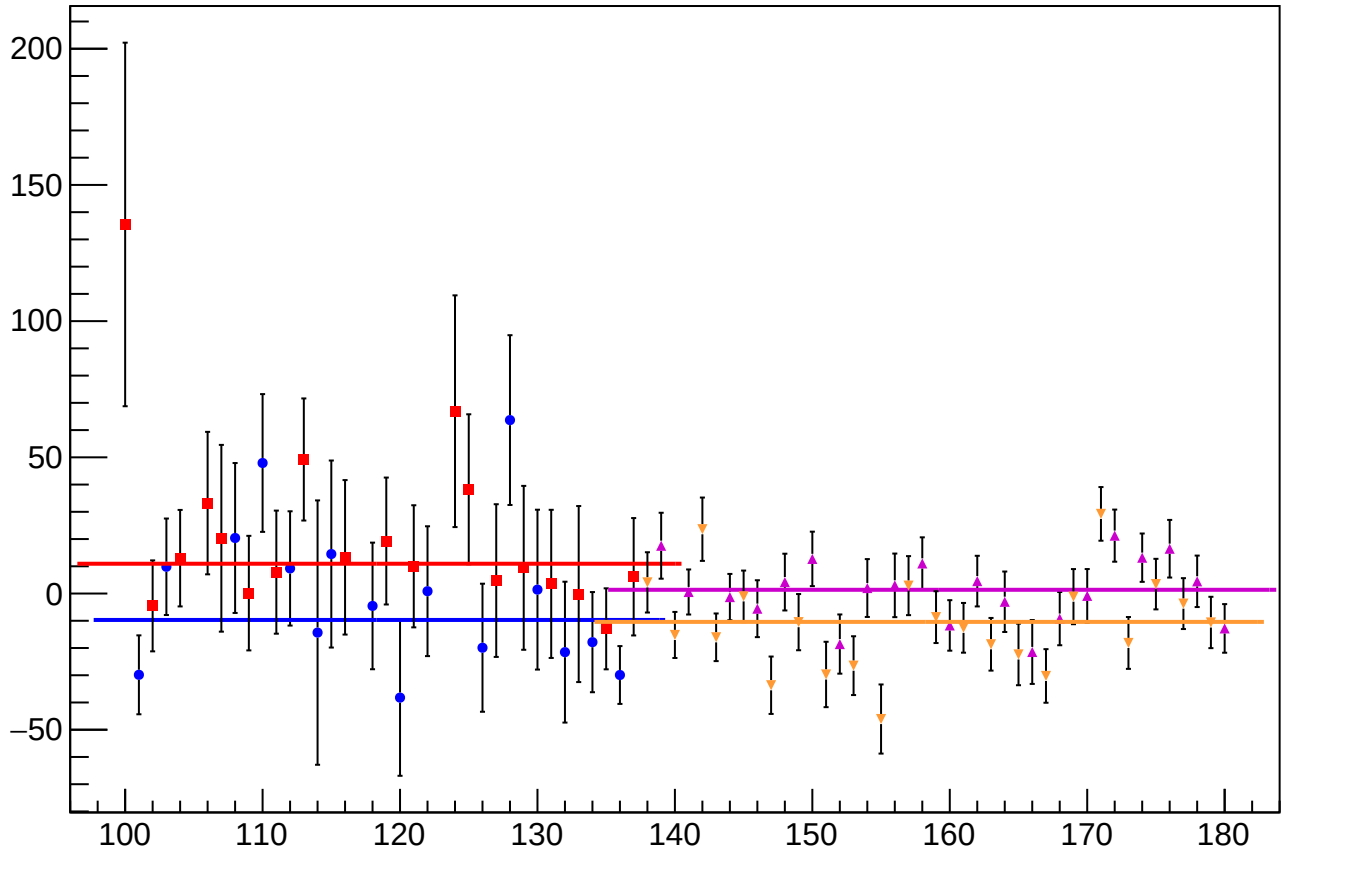
Left: 16.983+/-0.002 χ^2/NDF: 190396.6/41

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.164+/-0.002 χ^2/NDF:154516.3/36

Out: 17.246+/-0.002 χ^2/NDF:144914.7/38

All: 17.205+/-0.002 χ^2/NDF: 299977.3/75



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.411+/-2.133 χ^2/NDF:57.5/21

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.371+/-2.157 χ^2/NDF:26.1/20

Left: -4.586+/-1.517 χ^2/NDF: 98.8/42

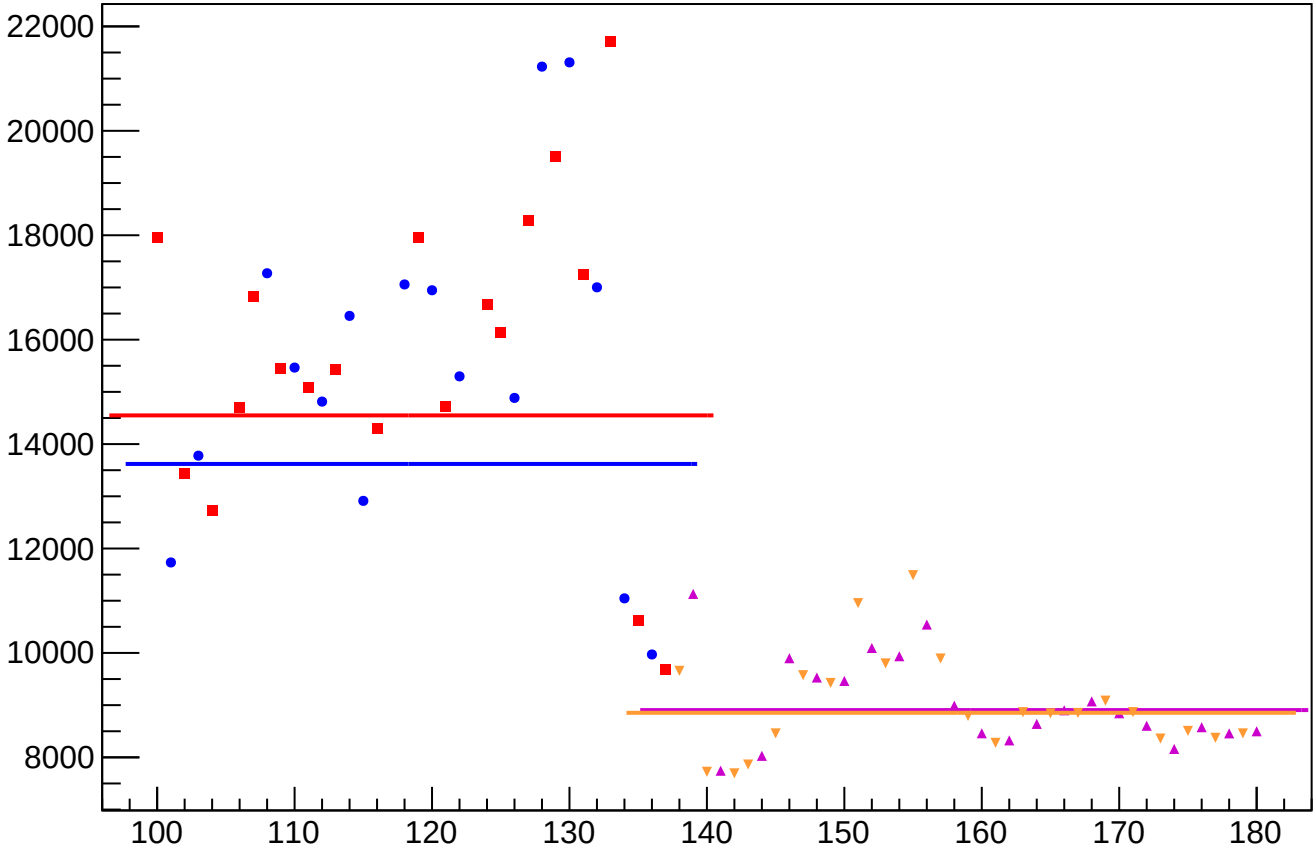
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.238+/-1.994 χ^2/NDF:51.9/36

Out: -7.563+/-1.985 χ^2/NDF:85.0/40

All: -3.916+/-1.407 χ^2/NDF: 143.7/77

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8853.444+/-1.508 χ^2/NDF:318186.3/21

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8905.472+/-1.525 χ^2/NDF:282904.7/20

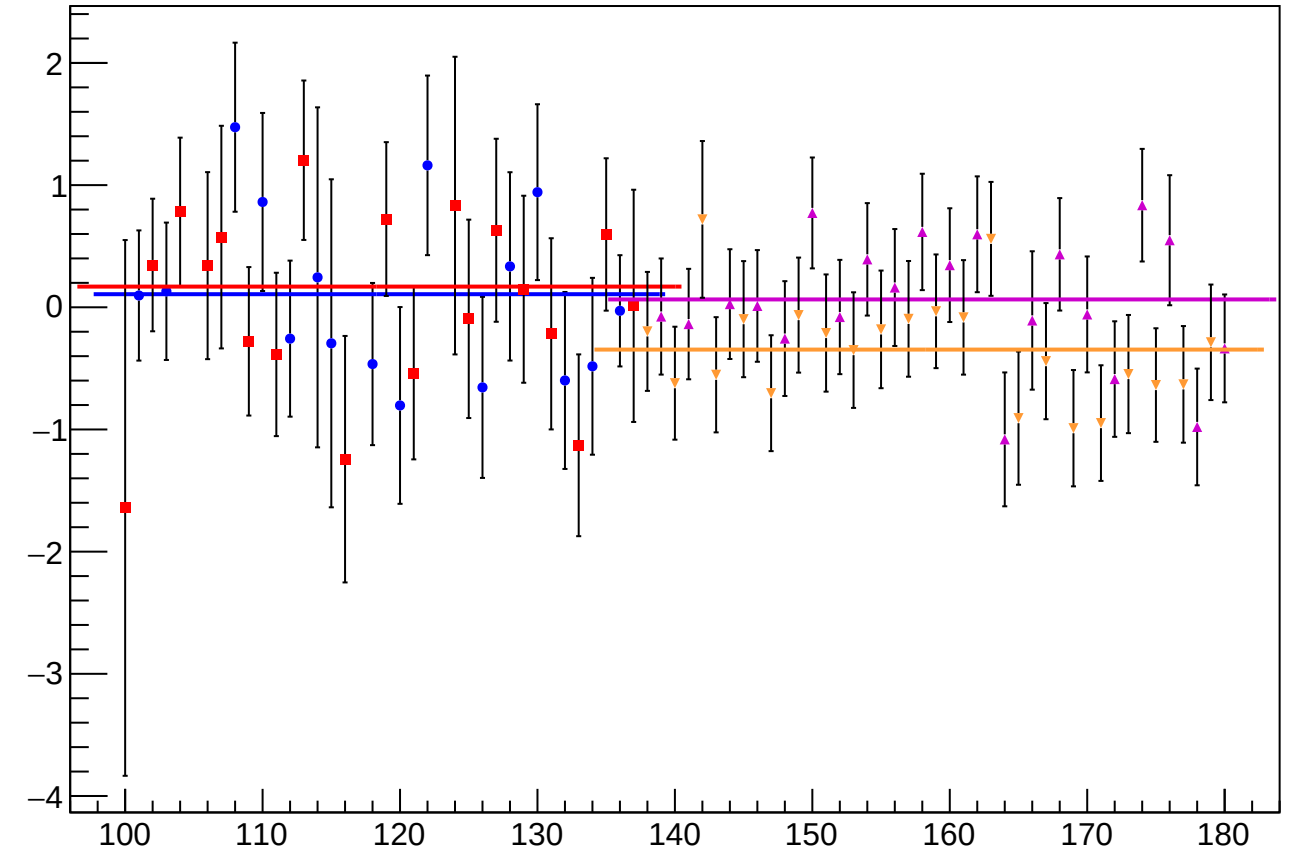
Left: 8879.166+/-1.072 χ^2/NDF: 601679.4/42

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9590.388+/-1.410 χ^2/NDF:2418132.5/36

Out: 9613.229+/-1.404 χ^2/NDF:2777089.1/40

All: 9601.858+/-0.995 χ^2/NDF: 5195353.4/77



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.346+/-0.103 χ^2/NDF:15.1/21

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.064+/-0.103 χ^2/NDF:23.1/20

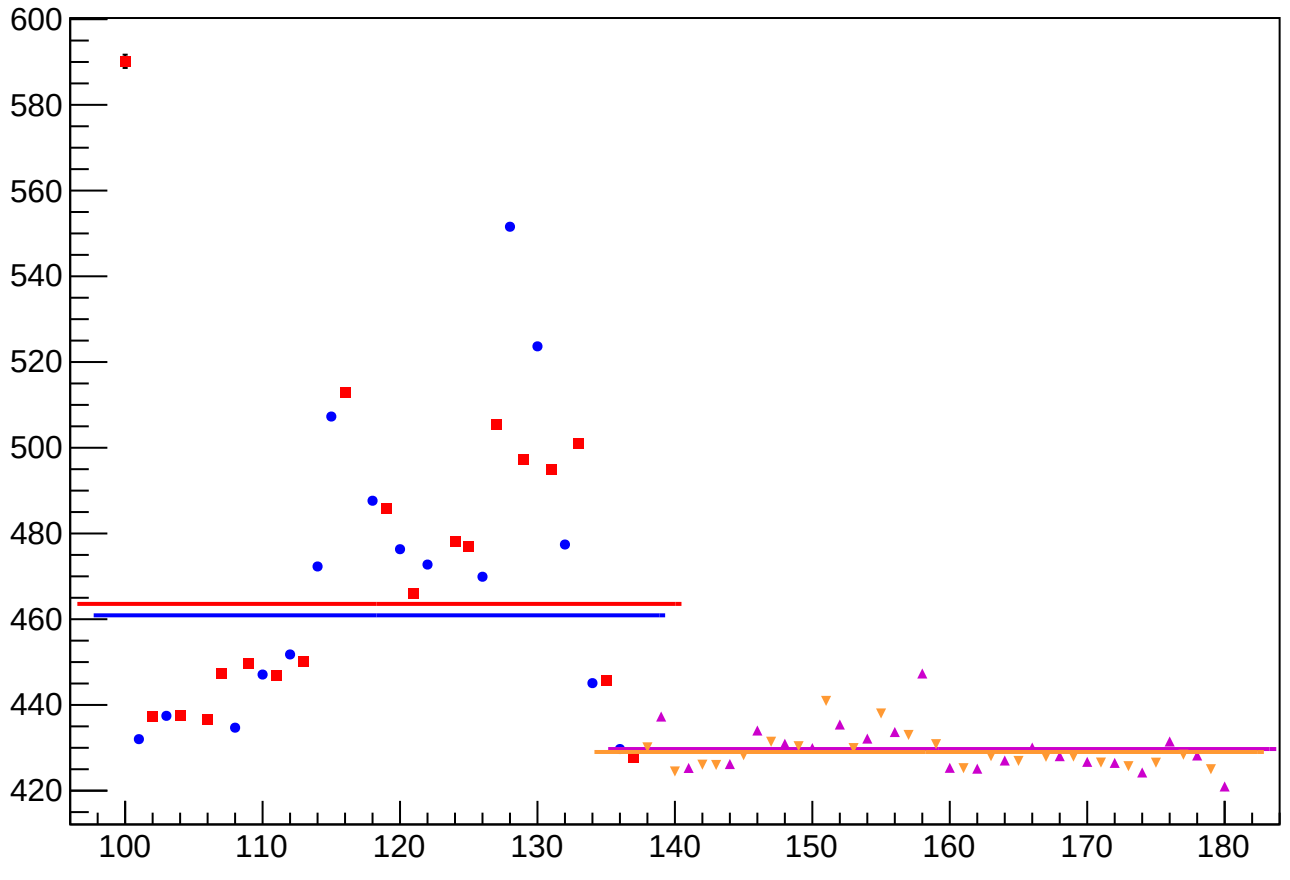
Left: -0.143+/-0.073 χ^2/NDF: 46.2/42

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.076+/-0.089 χ^2/NDF:36.8/36

Out: -0.208+/-0.088 χ^2/NDF:36.0/40

All: -0.067+/-0.062 χ^2/NDF: 78.0/77



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.028+/-0.073 χ^2/NDF:3054.3/21

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 429.715+/-0.073 χ^2/NDF:5960.9/20

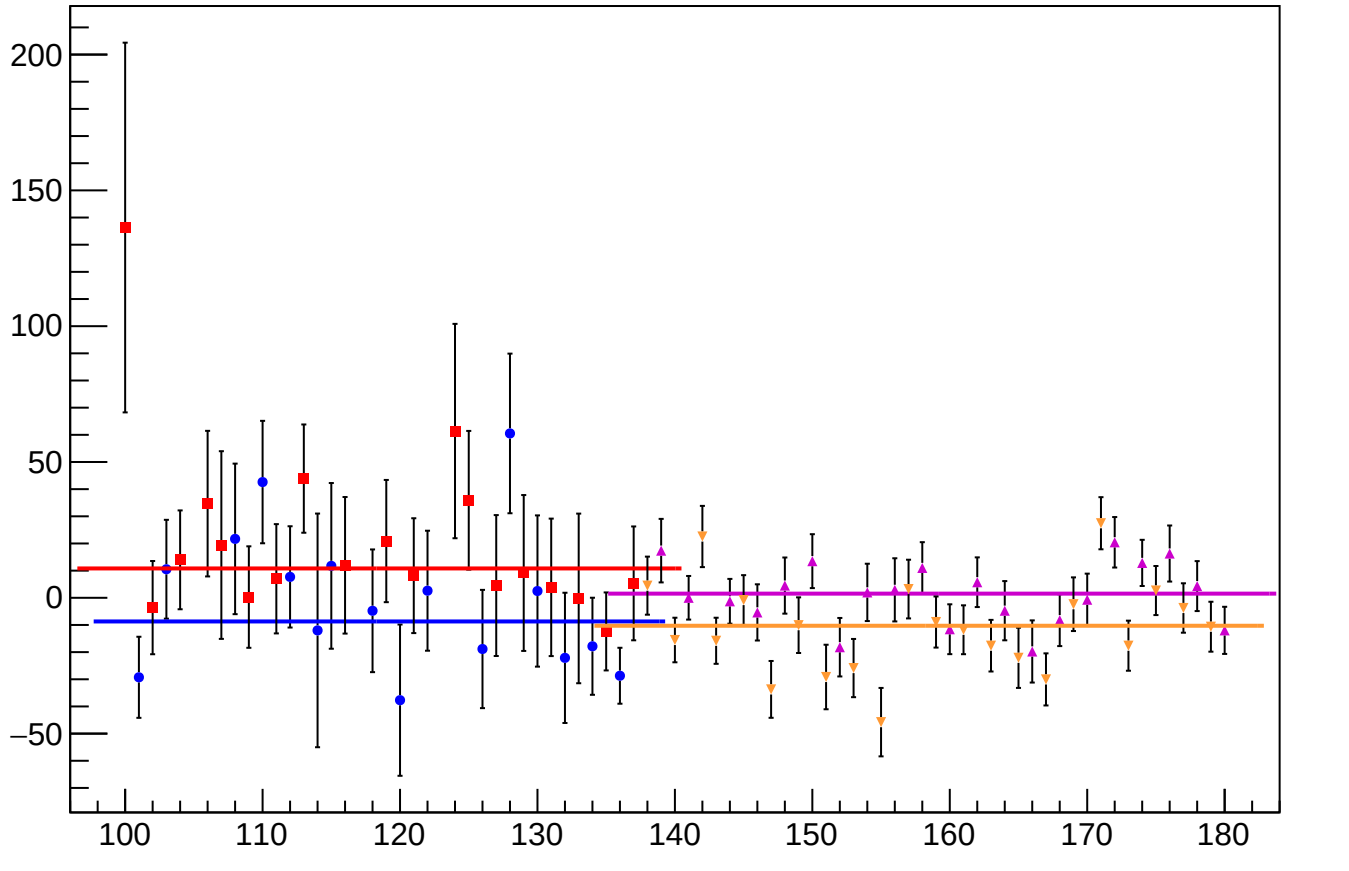
Left: 429.368+/-0.052 χ^2/NDF: 9059.8/42

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 438.023+/-0.063 χ^2/NDF:129307.2/36

Out: 438.295+/-0.062 χ^2/NDF:116064.9/40

All: 438.161+/-0.044 χ^2/NDF: 245381.6/77



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.292+/-2.088 χ^2/NDF:56.8/21

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.534+/-2.112 χ^2/NDF:26.0/20

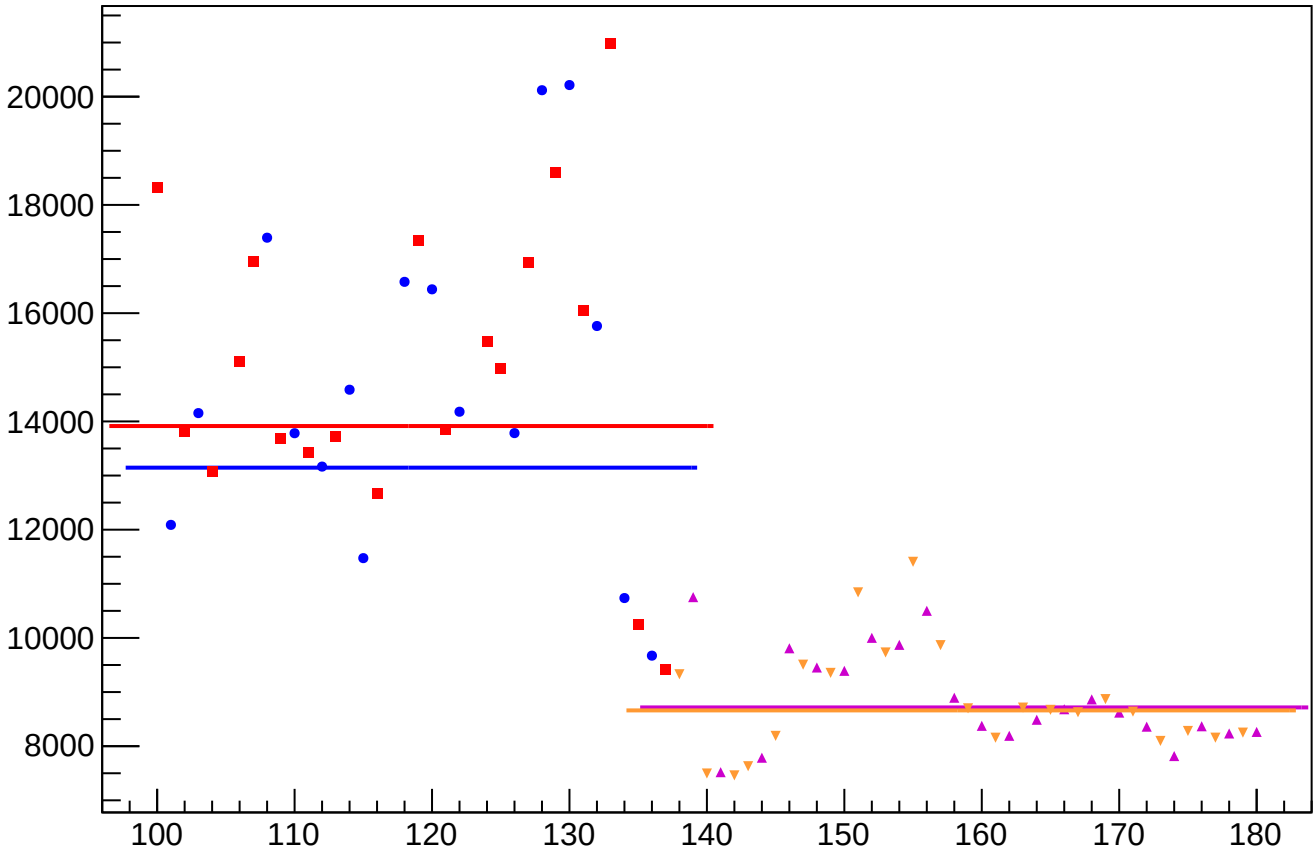
Left: -4.447+/-1.485 χ^2/NDF: 98.6/42

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: 0.002+/-1.948 χ^2/NDF:51.7/36

Out: -7.355+/-1.937 χ^2/NDF:84.9/40

All: -3.697+/-1.373 χ^2/NDF: 143.8/77



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8661.205+/-1.476 χ^2/NDF:363580.6/21

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8716.073+/-1.494 χ^2/NDF:322032.6/20

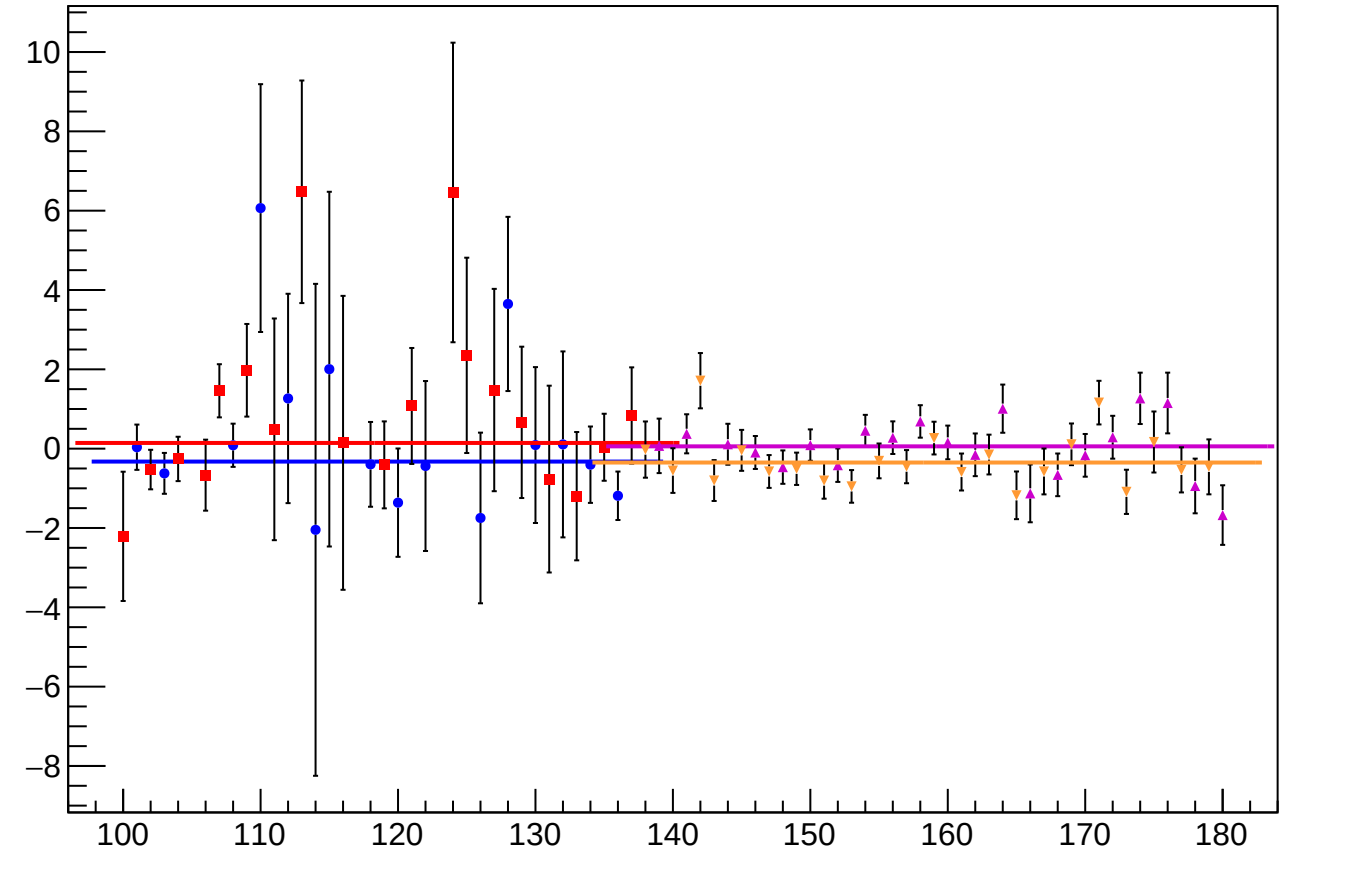
Left: 8688.322+/-1.050 χ^2/NDF: 686295.8/42

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9378.780+/-1.377 χ^2/NDF:2320751.2/36

Out: 9392.633+/-1.370 χ^2/NDF:2637503.9/40

All: 9385.744+/-0.971 χ^2/NDF: 4958306.0/77



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.350+/-0.108 χ^2/NDF:29.2/21

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.058+/-0.109 χ^2/NDF:27.4/20

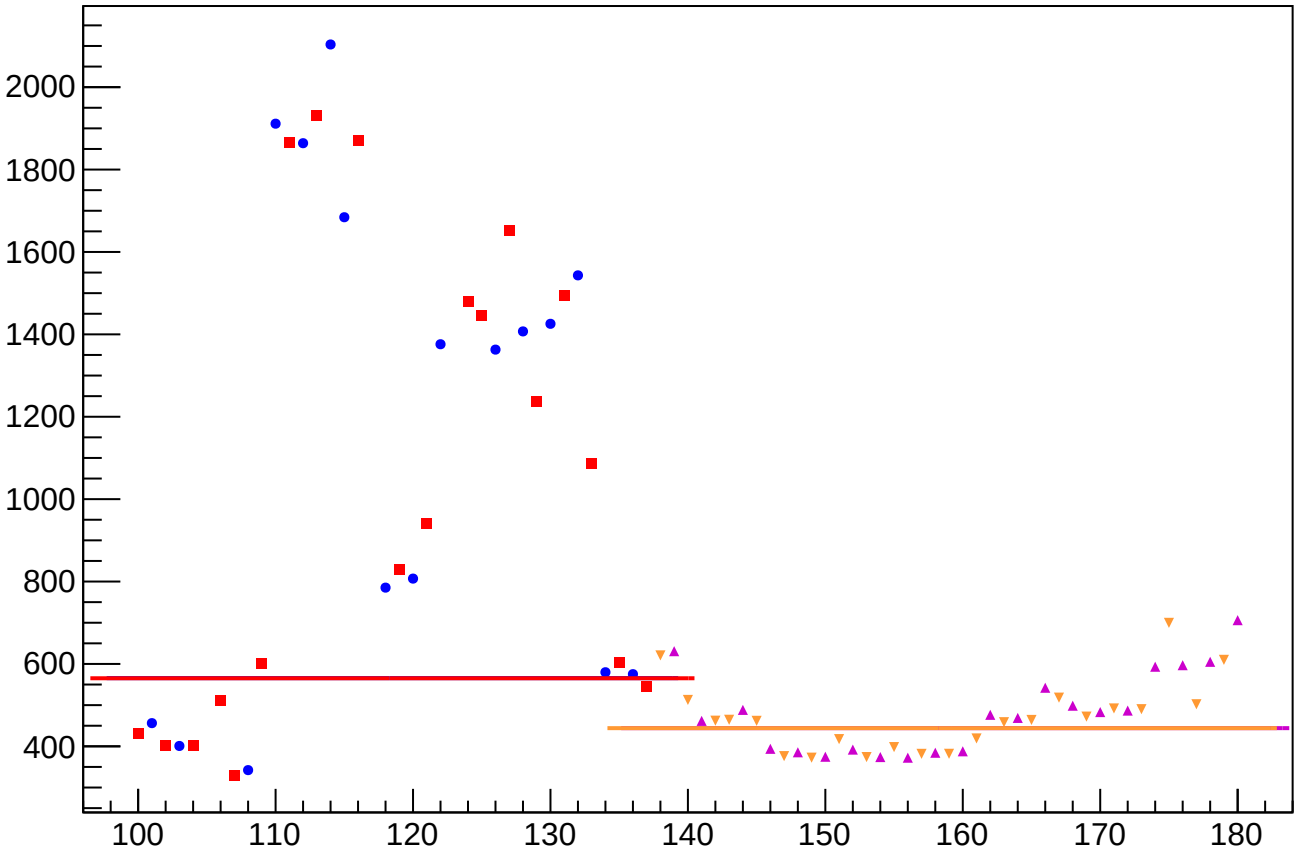
Left: -0.148+/-0.077 χ^2/NDF: 63.7/42

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.006+/-0.100 χ^2/NDF:42.0/36

Out: -0.269+/-0.099 χ^2/NDF:55.1/40

All: -0.139+/-0.070 χ^2/NDF: 100.6/77



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 444.121+/-0.076 χ^2/NDF:886557.3/21

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 444.147+/-0.077 χ^2/NDF:1154077.2/20

Left: 444.134+/-0.054 χ^2/NDF: 2040634.6/42

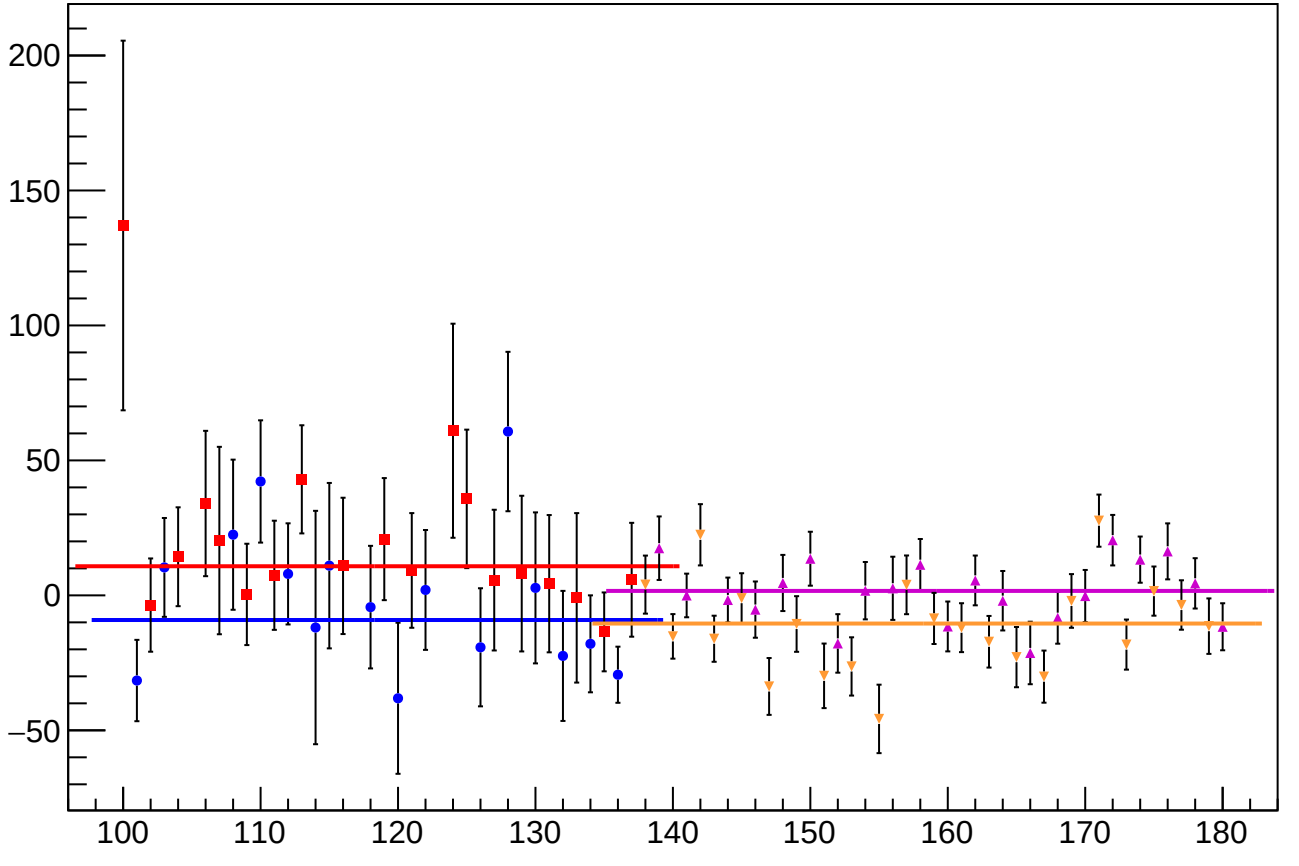
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 464.459+/-0.071 χ^2/NDF:5016322.7/36

Out: 463.963+/-0.070 χ^2/NDF:4868885.2/40

All: 464.209+/-0.050 χ^2/NDF: 9885232.9/77

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.441+/-2.112 χ^2/NDF:56.5/21

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.648+/-2.127 χ^2/NDF:25.9/20

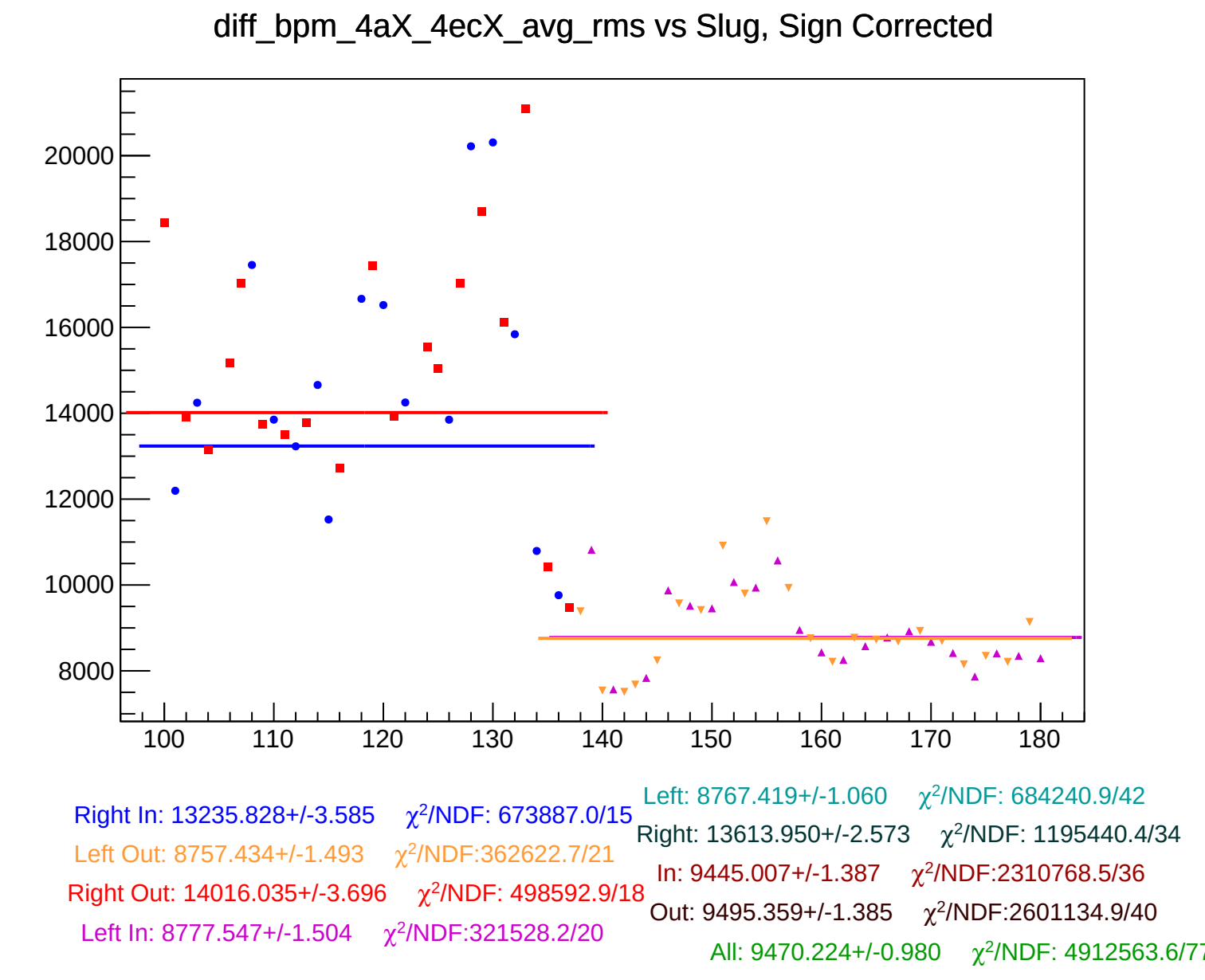
Left: -4.439+/-1.499 χ^2/NDF: 98.6/42

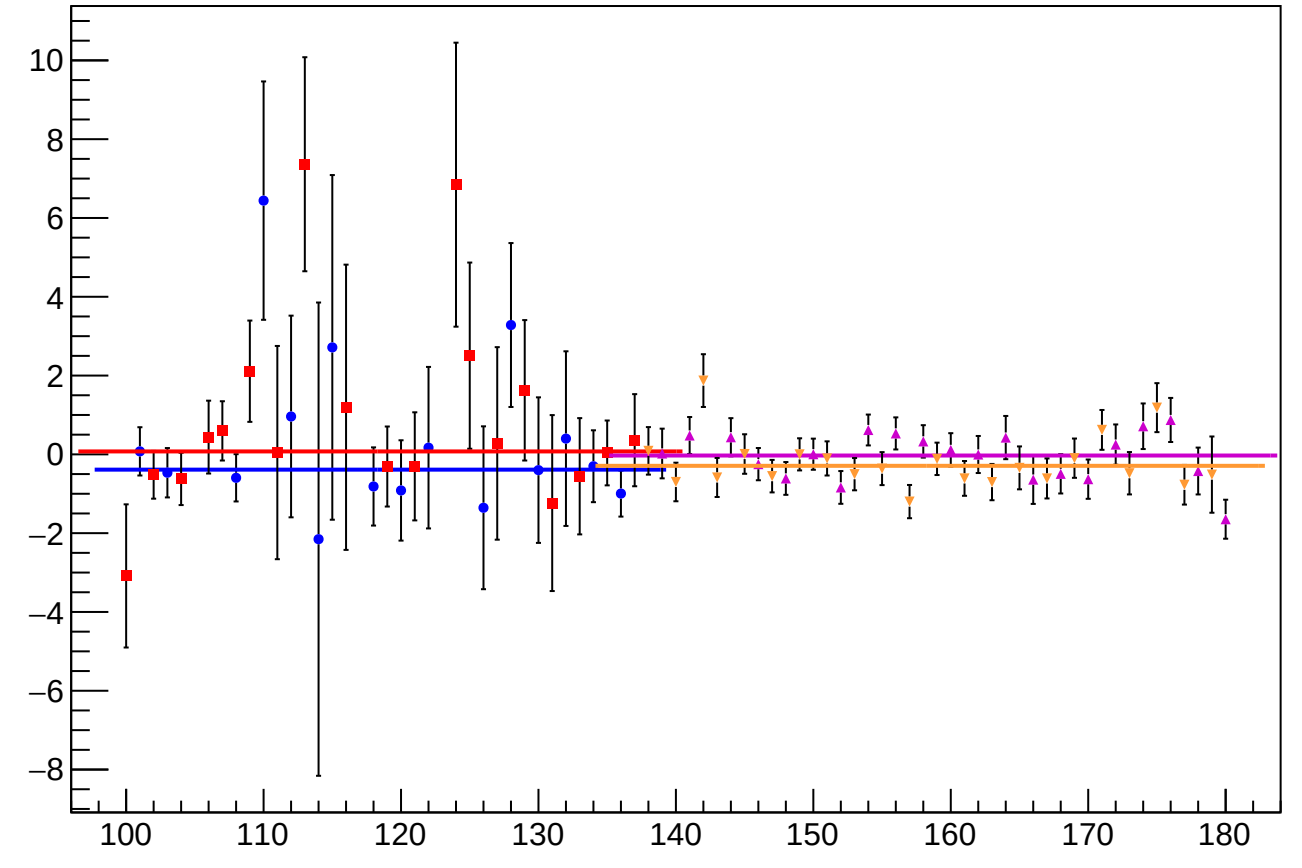
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: 0.035+/-1.961 χ^2/NDF:52.5/36

Out: -7.462+/-1.958 χ^2/NDF:84.3/40

All: -3.720+/-1.386 χ^2/NDF: 144.1/77


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
180
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8757.434+/-1.493 χ²/NDF:362622.7/21
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8777.547+/-1.504 χ²/NDF:321528.2/20
Left: 8767.419+/-1.060 χ²/NDF: 684240.9/42
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9445.007+/-1.387 χ²/NDF:2310768.5/36
Out: 9495.359+/-1.385 χ²/NDF:2601134.9/40
All: 9470.224+/-0.980 χ²/NDF: 4912563.6/77



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.291+/-0.103 χ^2/NDF:30.3/21

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.029+/-0.103 χ^2/NDF:33.3/20

Left: -0.159+/-0.073 χ^2/NDF: 66.8/42

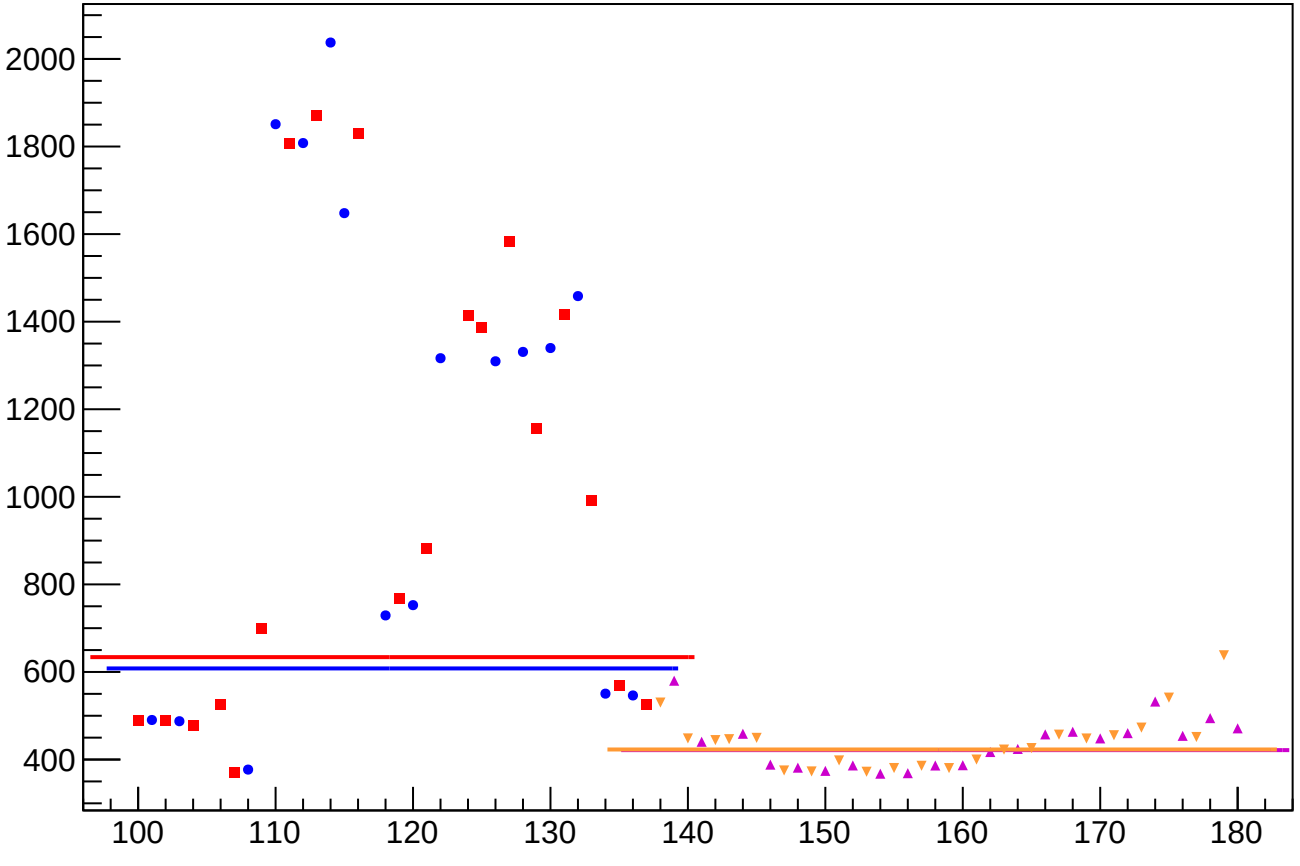
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.079+/-0.095 χ^2/NDF:46.6/36

Out: -0.242+/-0.096 χ^2/NDF:53.7/40

All: -0.160+/-0.068 χ^2/NDF: 101.8/77

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 422.948+/-0.073 χ^2/NDF:455620.5/21

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 421.492+/-0.073 χ^2/NDF:484310.8/20

Left: 422.216+/-0.052 χ^2/NDF: 940131.0/42

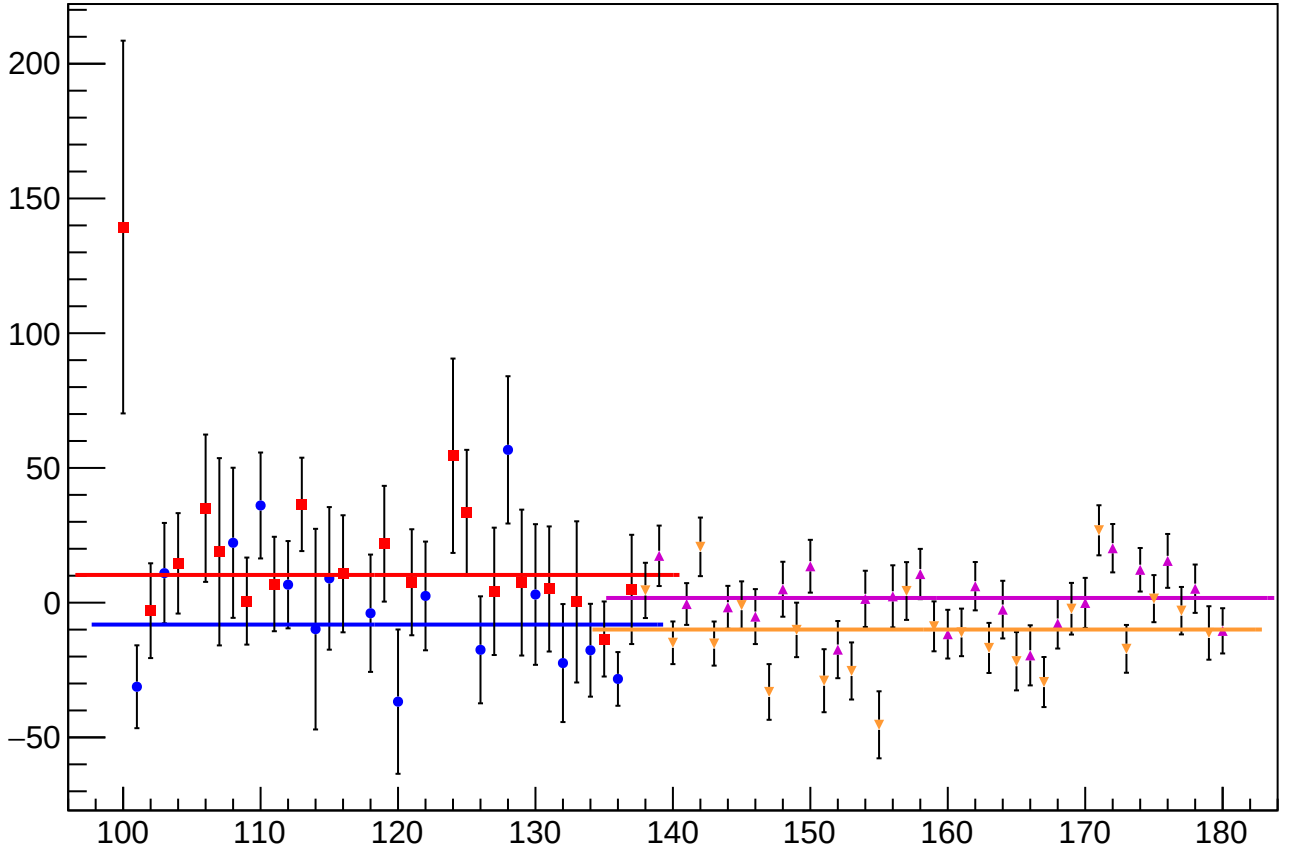
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 447.429+/-0.067 χ^2/NDF:4253767.0/36

Out: 450.855+/-0.068 χ^2/NDF:4347577.7/40

All: 449.126+/-0.048 χ^2/NDF: 8602624.8/77

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.969+/-2.042 χ^2/NDF:57.0/21

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.741+/-2.058 χ^2/NDF:25.8/20

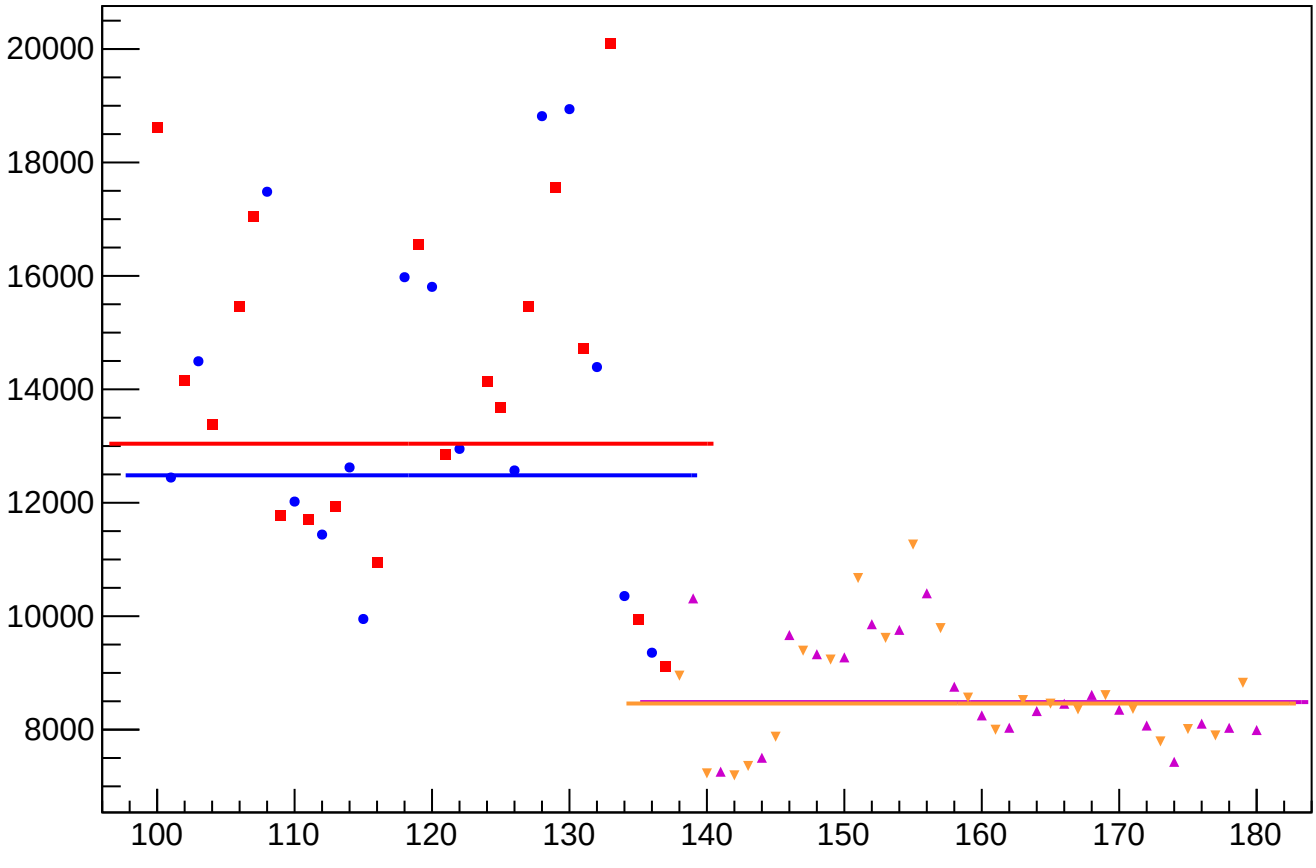
Left: -4.159+/-1.449 χ^2/NDF: 99.1/42

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.197+/-1.890 χ^2/NDF:52.5/36

Out: -6.943+/-1.883 χ^2/NDF:85.4/40

All: -3.386+/-1.334 χ^2/NDF: 145.0/77



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8460.739+/-1.444 χ^2/NDF:415293.1/21

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8485.427+/-1.455 χ^2/NDF:368579.6/20

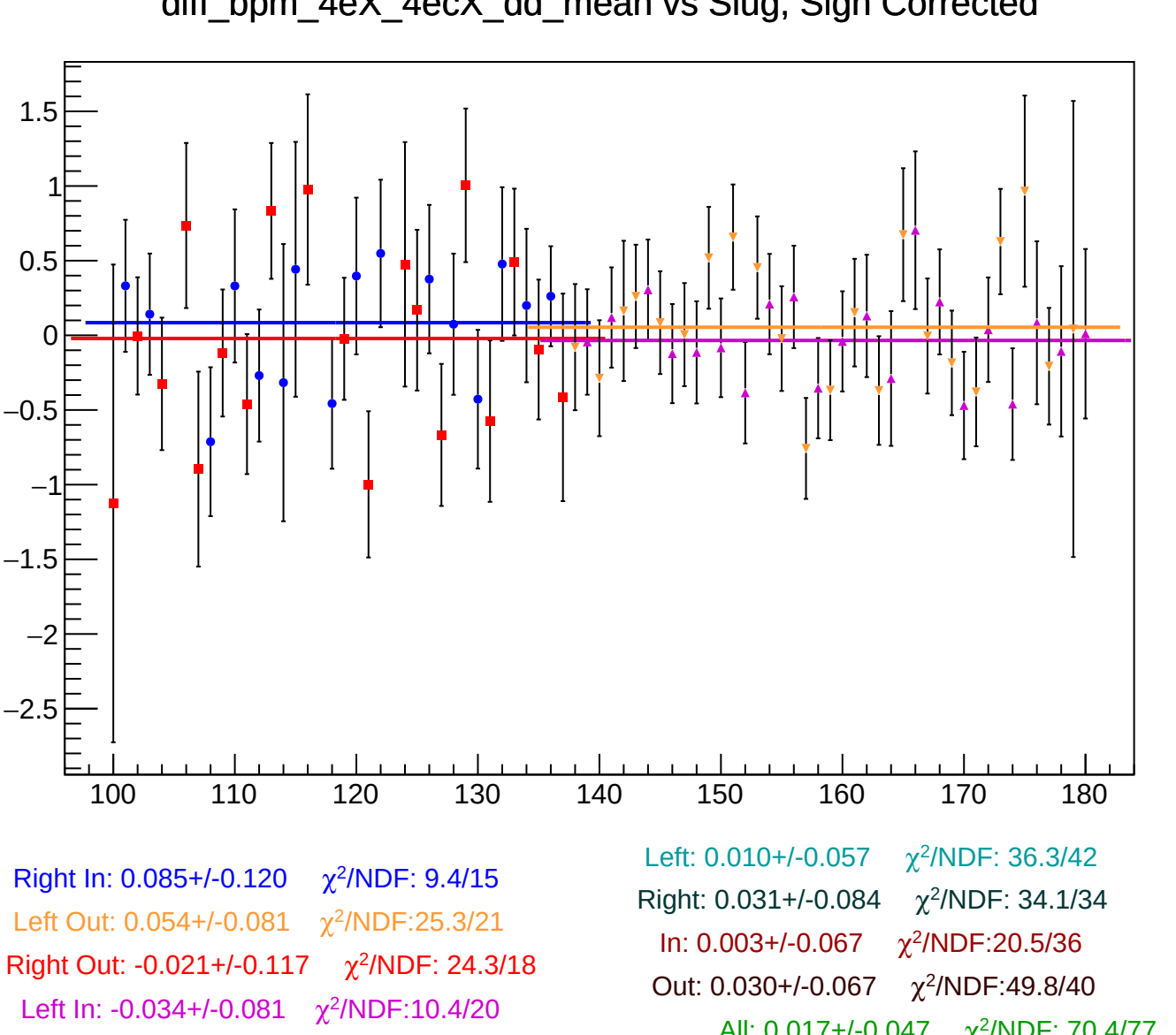
Left: 8472.989+/-1.025 χ^2/NDF: 784017.8/42

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

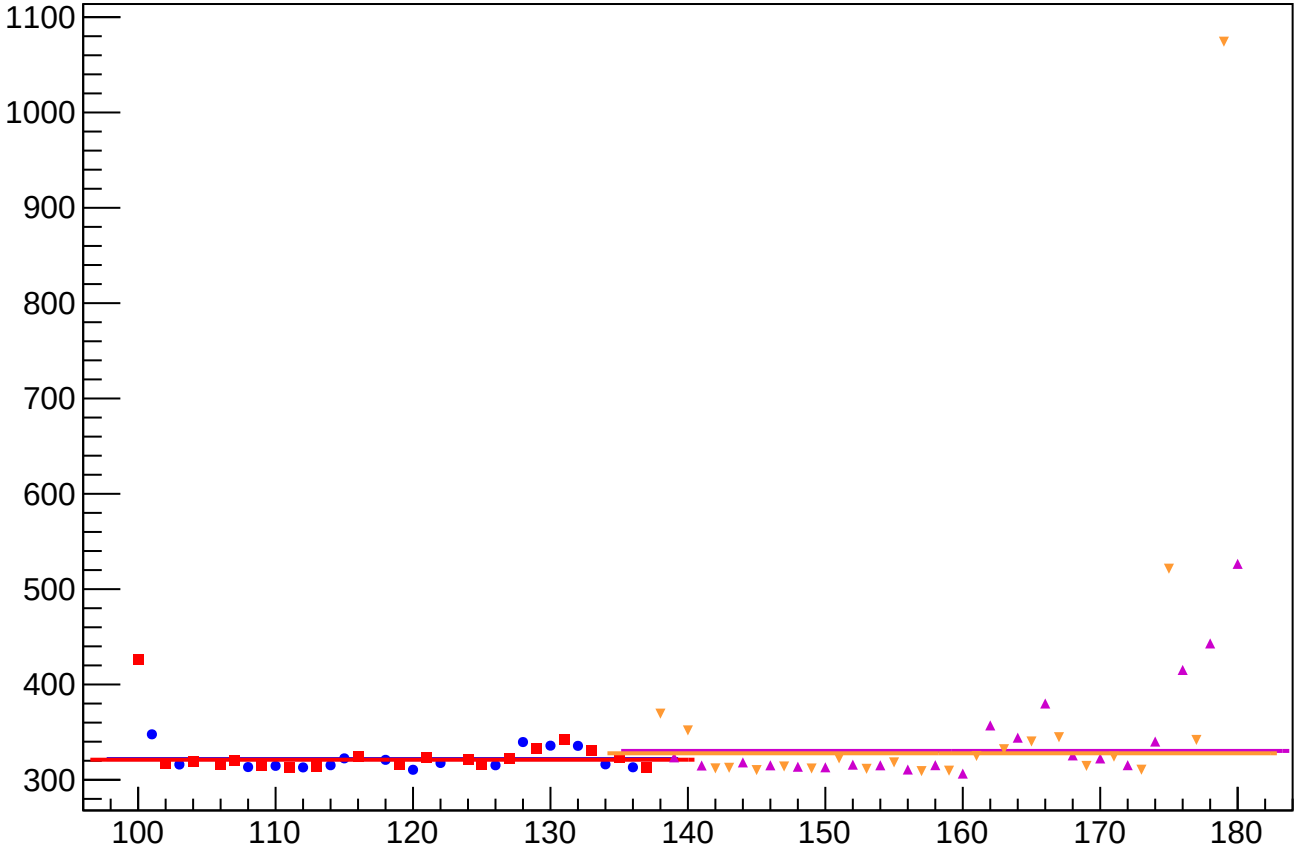
In: 9110.771+/-1.336 χ^2/NDF:2221221.7/36

Out: 9144.906+/-1.332 χ^2/NDF:2462701.4/40

All: 9127.897+/-0.943 χ^2/NDF: 4684250.4/77


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: 0.085+/-0.120 χ²/NDF: 9.4/15
Left Out: 0.054+/-0.081 χ²/NDF:25.3/21
Right Out: -0.021+/-0.117 χ²/NDF: 24.3/18
Left In: -0.034+/-0.081 χ²/NDF:10.4/20
Left: 0.010+/-0.057 χ²/NDF: 36.3/42
Right: 0.031+/-0.084 χ²/NDF: 34.1/34
In: 0.003+/-0.067 χ²/NDF:20.5/36
Out: 0.030+/-0.067 χ²/NDF:49.8/40
All: 0.017+/-0.047 χ²/NDF: 70.4/77

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 327.830+/-0.057 χ^2/NDF:741608.2/21

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 330.302+/-0.057 χ^2/NDF:449962.7/20

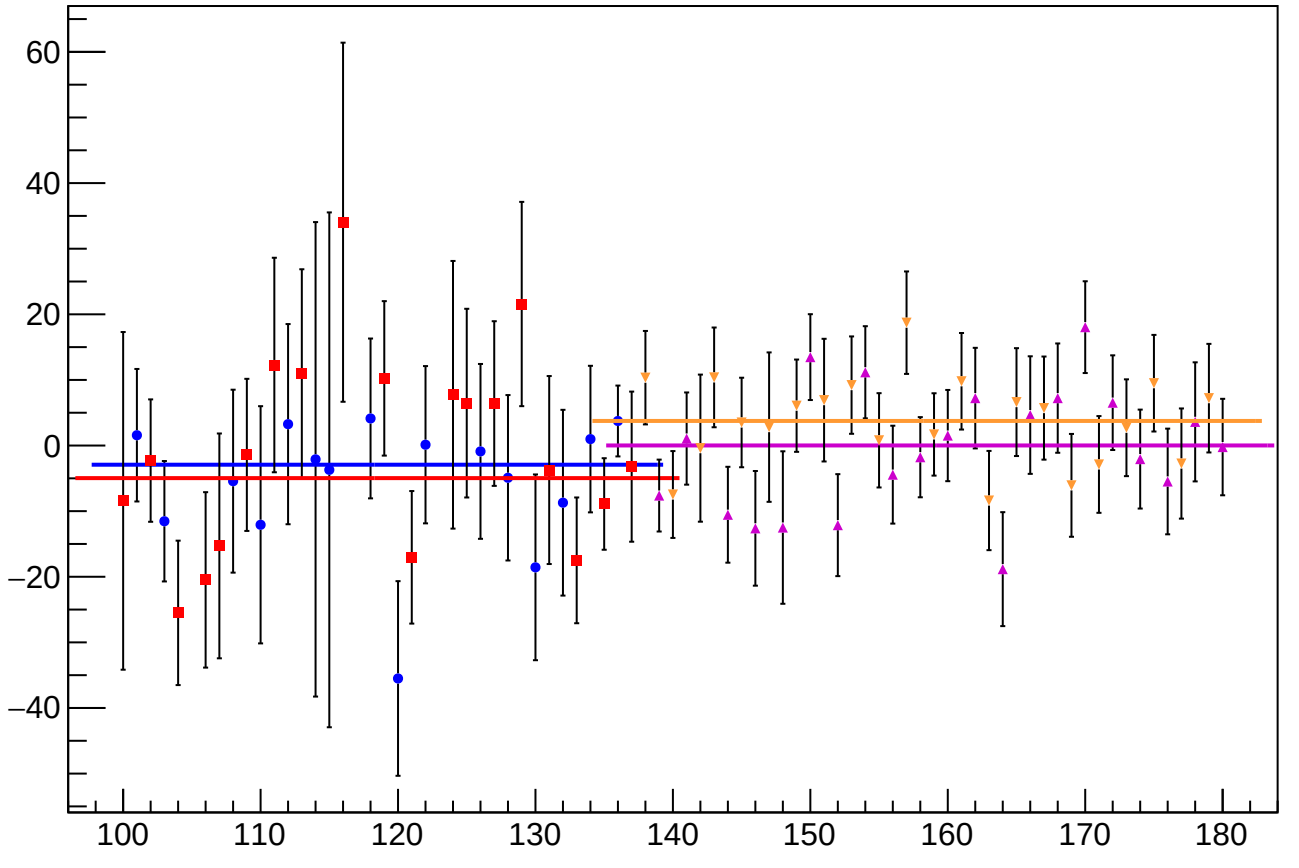
Left: 329.059+/-0.041 χ^2/NDF: 1192501.0/42

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 327.610+/-0.048 χ^2/NDF:475165.4/36

Out: 325.667+/-0.047 χ^2/NDF:762652.3/40

All: 326.628+/-0.033 χ^2/NDF: 1238660.5/77



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.749+/-1.633 χ^2/NDF:16.6/21

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.013+/-1.625 χ^2/NDF:31.8/20

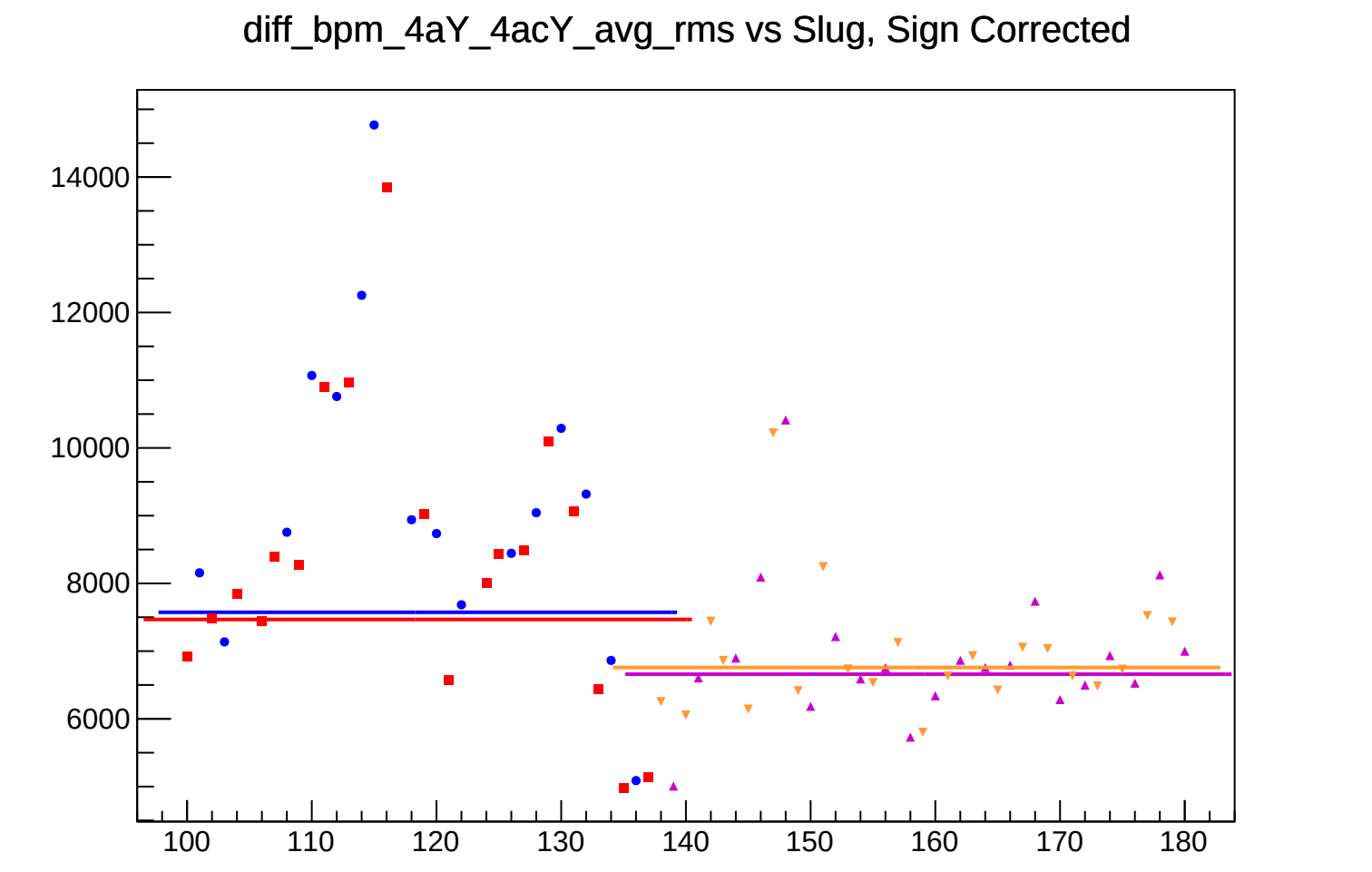
Left: 1.872+/-1.152 χ^2/NDF: 51.0/42

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.684+/-1.419 χ^2/NDF:42.4/36

Out: 1.566+/-1.413 χ^2/NDF:43.1/40

All: 0.445+/-1.001 χ^2/NDF: 86.8/77



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6757.962+/-1.154 χ^2/NDF:393505.5/21

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6659.526+/-1.149 χ^2/NDF:620353.4/20

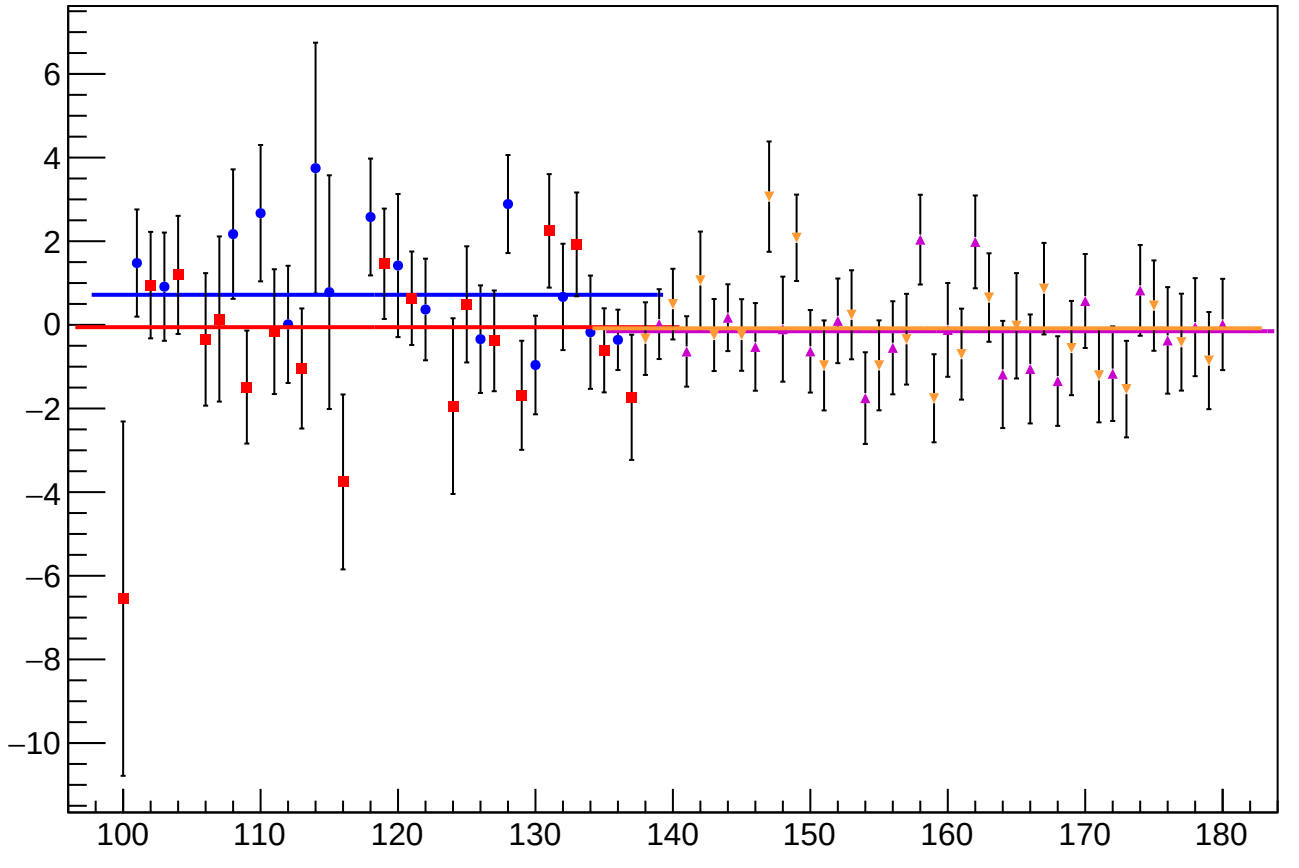
Left: 6708.503+/-0.814 χ^2/NDF: 1017512.3/42

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6876.583+/-1.003 χ^2/NDF:1668219.1/36

Out: 6935.686+/-0.999 χ^2/NDF:1316485.2/40

All: 6906.242+/-0.708 χ^2/NDF: 2986446.6/77



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.082+/-0.224 χ^2/NDF:20.8/21

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.152+/-0.231 χ^2/NDF:15.5/20

Left: -0.116+/-0.161 χ^2/NDF: 36.4/42

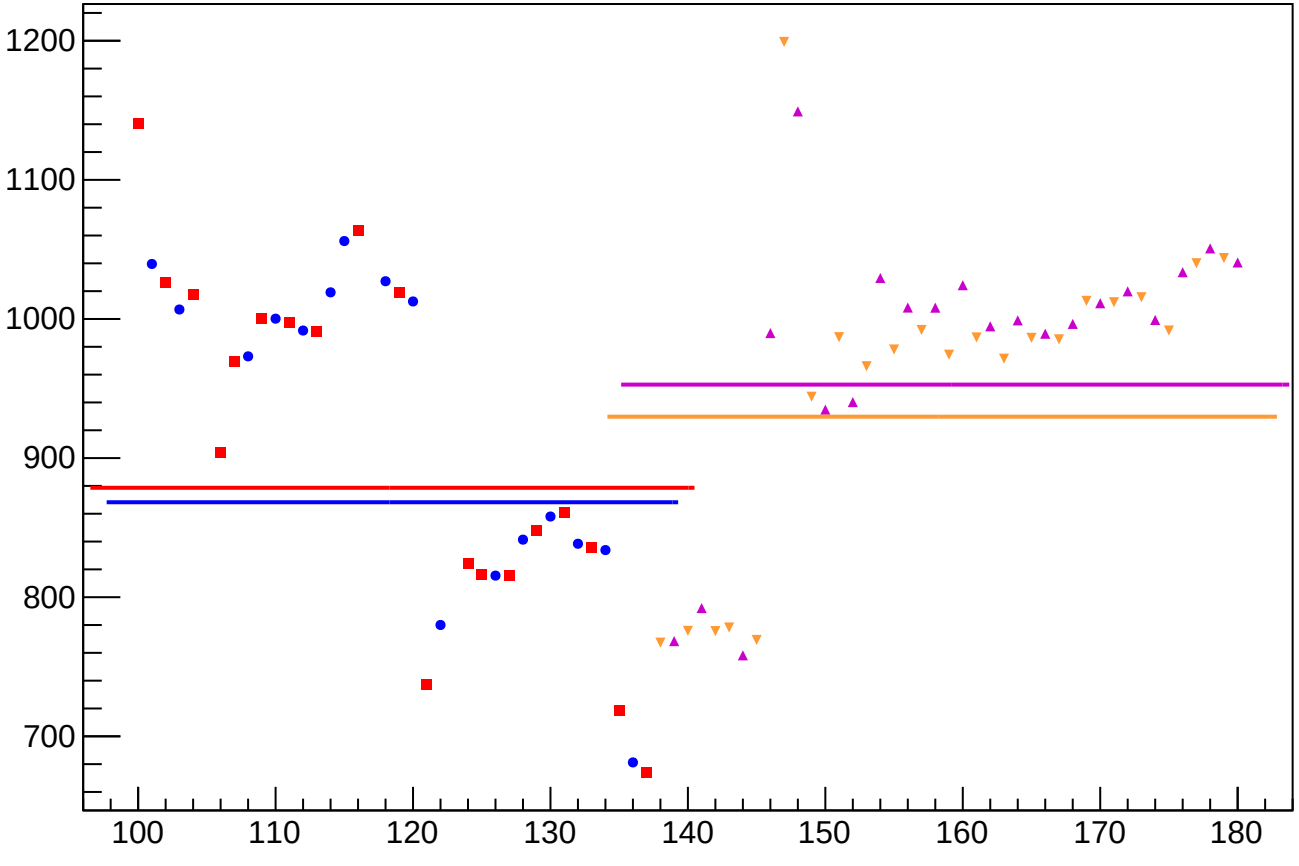
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.139+/-0.188 χ^2/NDF:35.1/36

Out: -0.074+/-0.184 χ^2/NDF:40.6/40

All: 0.030+/-0.132 χ^2/NDF: 76.4/77

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 929.764+/-0.158 χ^2/NDF:503895.8/21

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 952.820+/-0.163 χ^2/NDF:430851.9/20

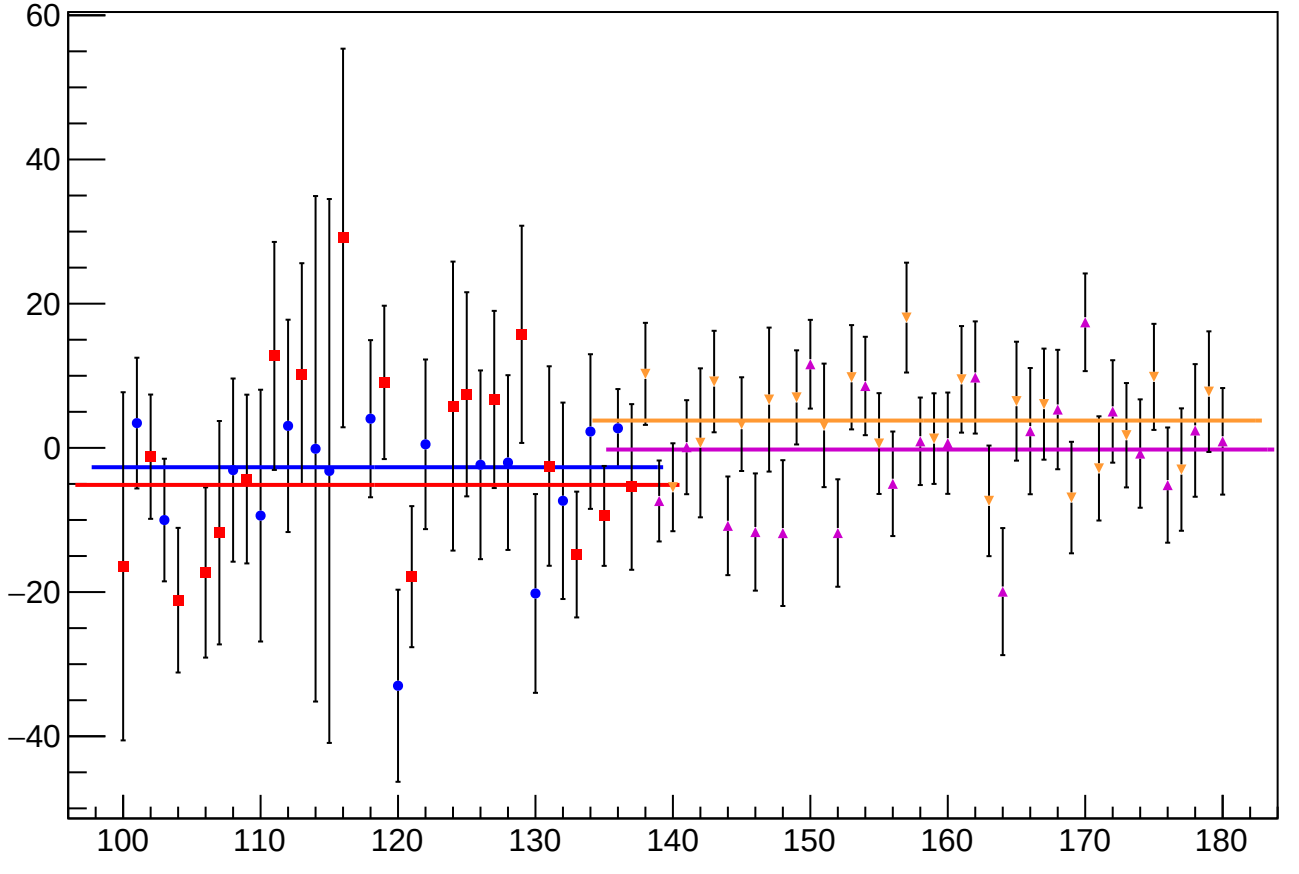
Left: 940.940+/-0.114 χ^2/NDF: 945016.2/42

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 924.549+/-0.133 χ^2/NDF:822898.1/36

Out: 913.190+/-0.130 χ^2/NDF:810182.3/40

All: 918.739+/-0.093 χ^2/NDF: 1636798.1/77



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.790+/-1.586 χ^2/NDF:16.0/21

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.230+/-1.589 χ^2/NDF:30.6/20

Left: 1.785+/-1.122 χ^2/NDF: 49.8/42

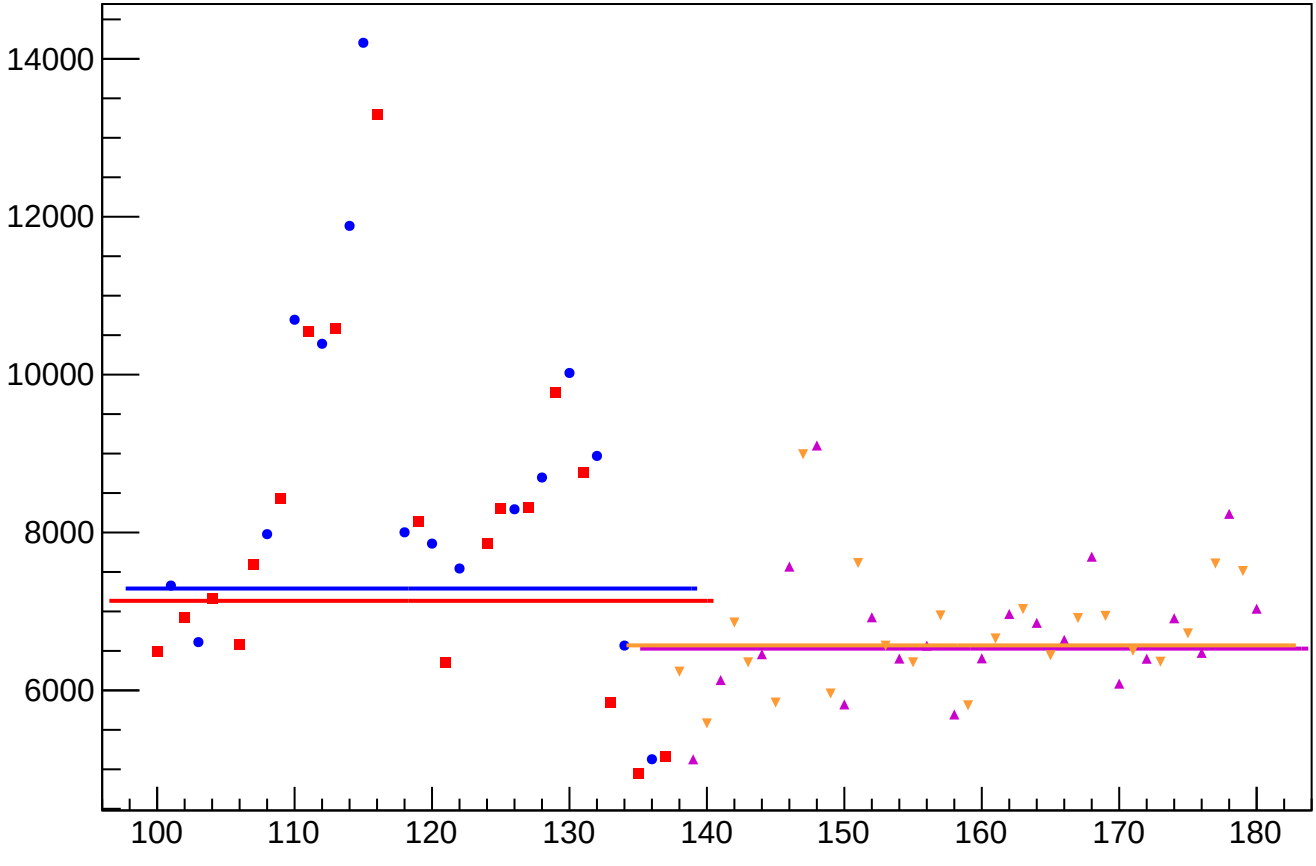
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.831+/-1.381 χ^2/NDF:41.2/36

Out: 1.491+/-1.366 χ^2/NDF:41.4/40

All: 0.342+/-0.971 χ^2/NDF: 84.1/77

diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6570.167+/-1.121 χ^2/NDF:360524.5/21

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6529.091+/-1.124 χ^2/NDF:507627.0/20

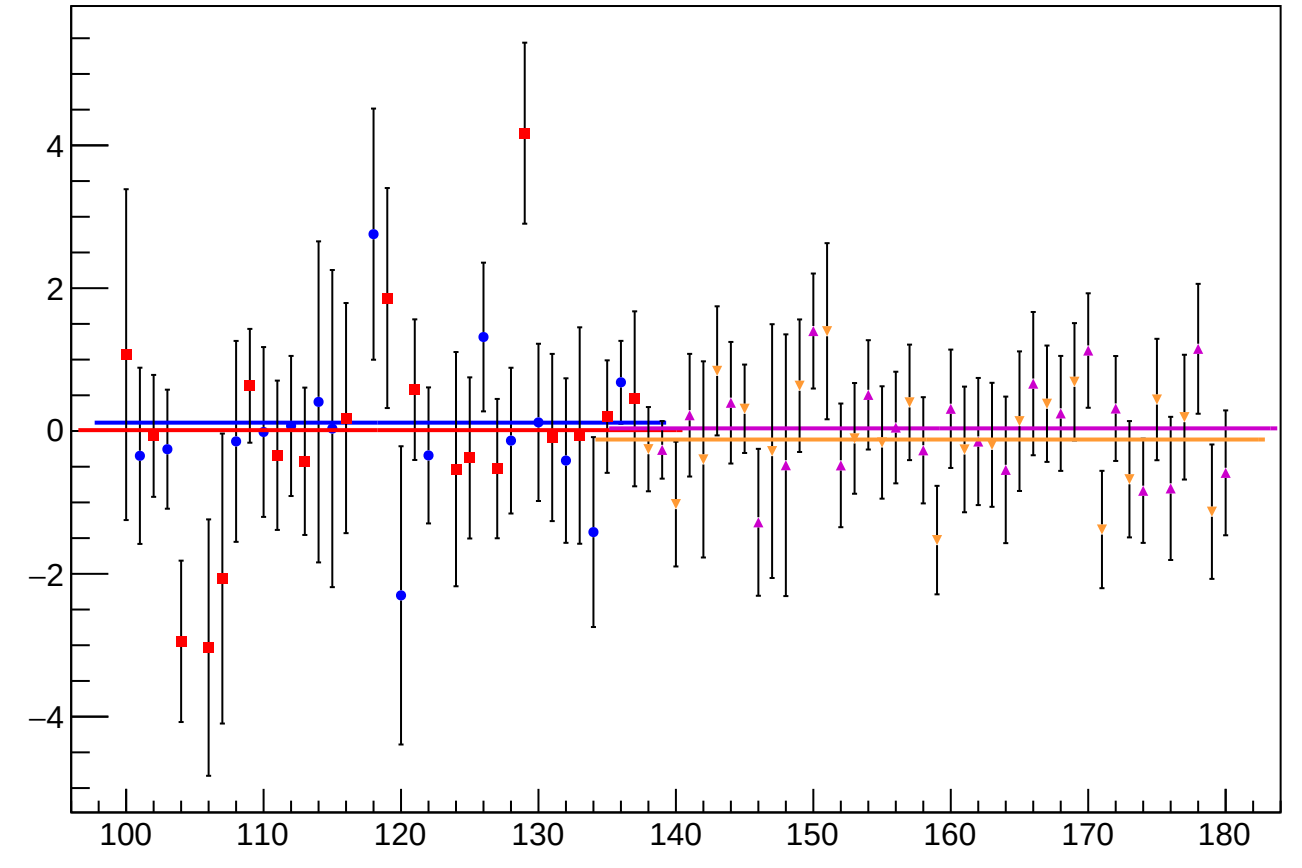
Left: 6549.676+/-0.794 χ^2/NDF: 868821.2/42

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6715.731+/-0.976 χ^2/NDF:1390647.6/36

Out: 6715.498+/-0.966 χ^2/NDF:1218550.1/40

All: 6715.613+/-0.687 χ^2/NDF: 2609197.7/77



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.119+/-0.181 χ^2/NDF:14.8/21

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.037+/-0.174 χ^2/NDF:13.3/20

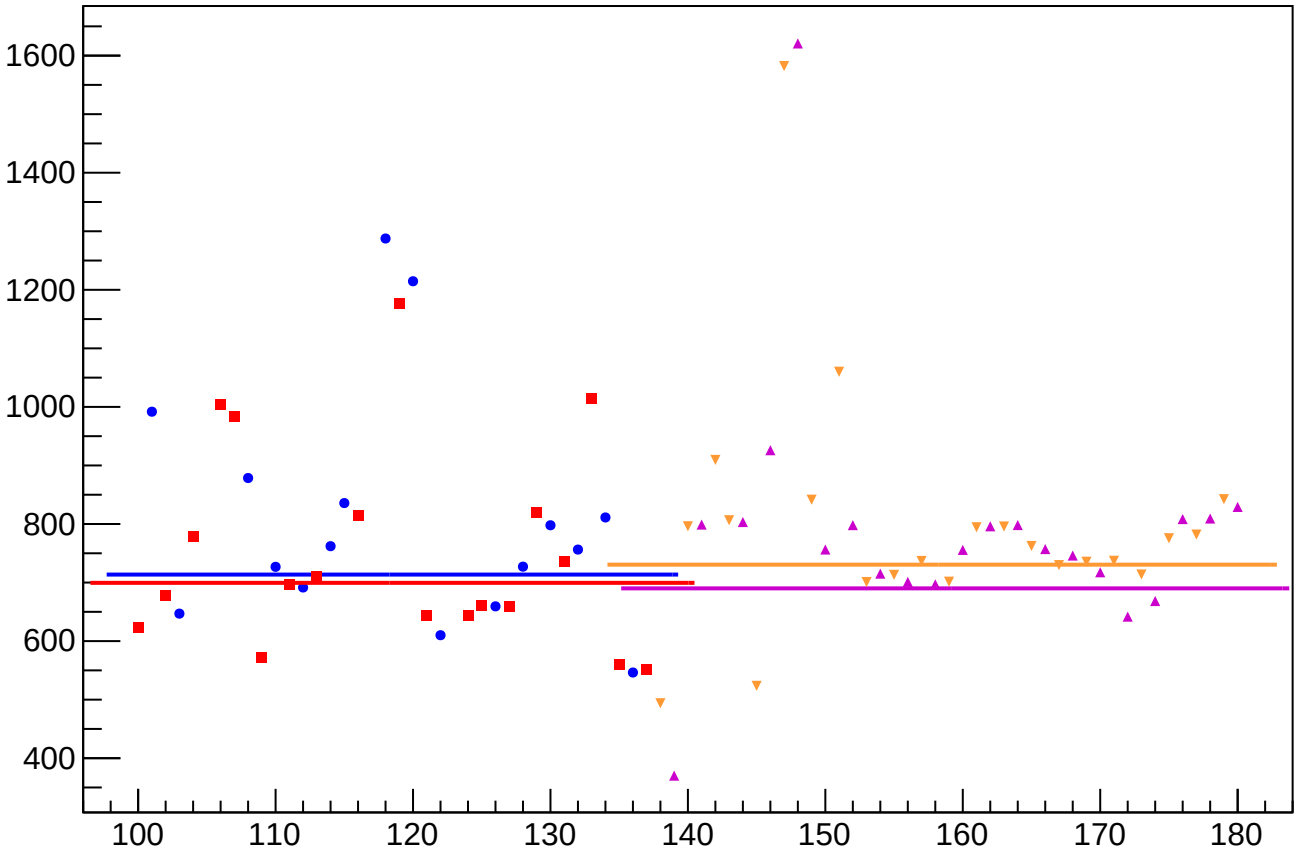
Left: -0.038+/-0.125 χ^2/NDF: 28.5/42

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.060+/-0.147 χ^2/NDF:21.5/36

Out: -0.077+/-0.149 χ^2/NDF:40.1/40

All: -0.007+/-0.104 χ^2/NDF: 62.1/77



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 730.535+/-0.128 χ^2/NDF:1308413.8/21

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 690.071+/-0.123 χ^2/NDF:2201946.3/20

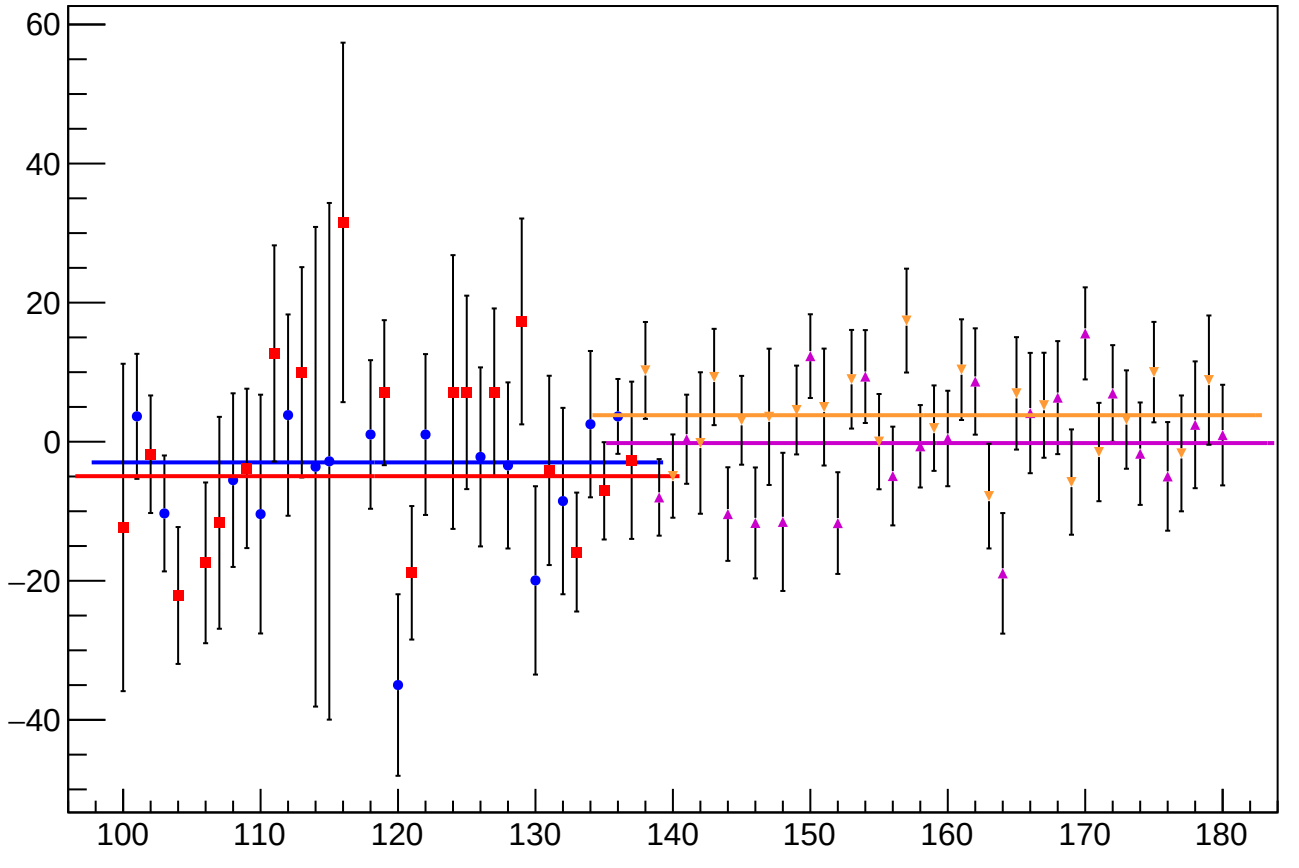
Left: 709.521+/-0.088 χ^2/NDF: 3562550.2/42

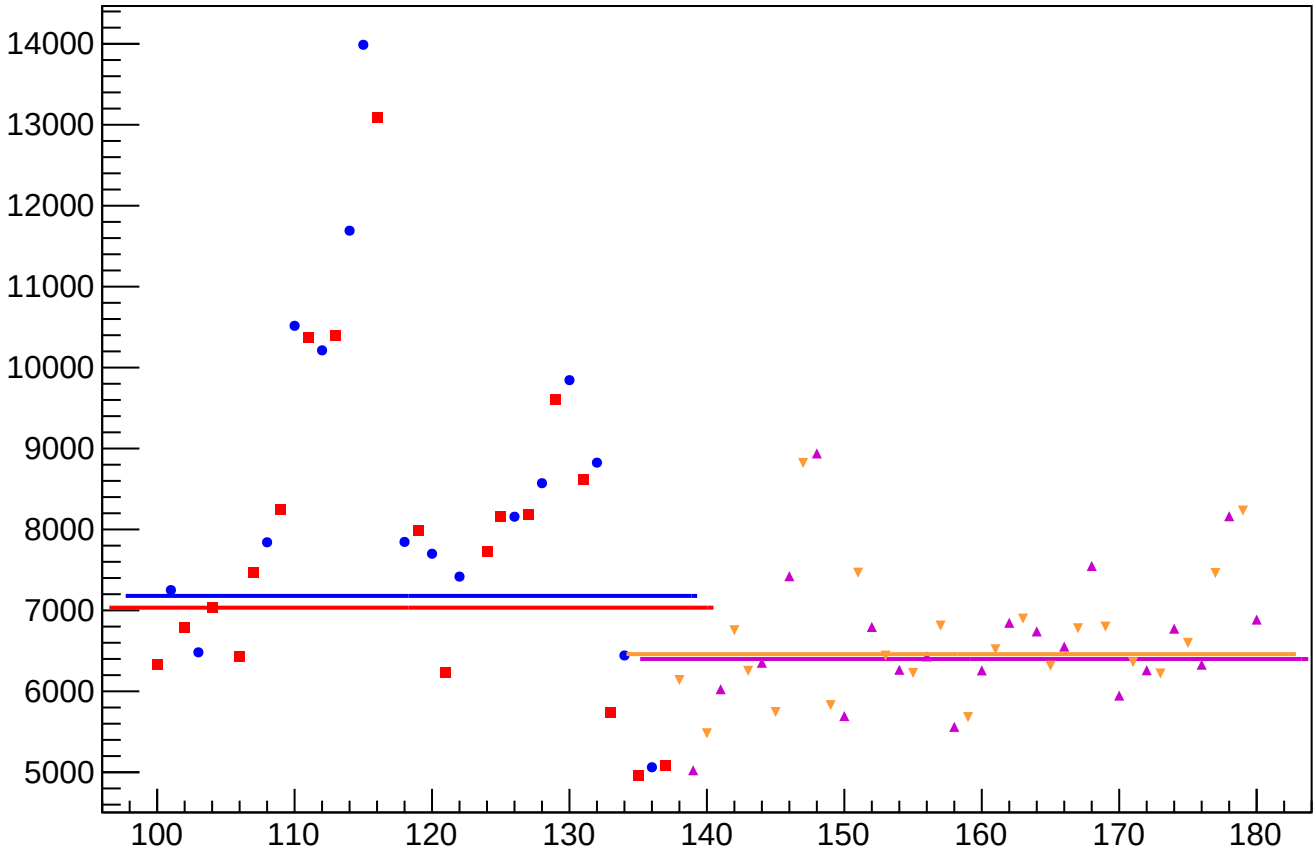
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 696.851+/-0.104 χ^2/NDF:2911842.2/36

Out: 720.608+/-0.105 χ^2/NDF:1903081.6/40

All: 708.544+/-0.074 χ^2/NDF: 4840788.6/77


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 3.812+/-1.561 χ²/NDF:15.1/21
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.196+/-1.558 χ²/NDF:31.2/20
Left: 1.804+/-1.103 χ²/NDF: 49.6/42
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -0.873+/-1.355 χ²/NDF:43.5/36
Out: 1.557+/-1.345 χ²/NDF:41.7/40
All: 0.351+/-0.955 χ²/NDF: 86.8/77



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6459.446+/-1.104 χ^2/NDF:409608.4/21

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6399.131+/-1.102 χ^2/NDF:520168.2/20

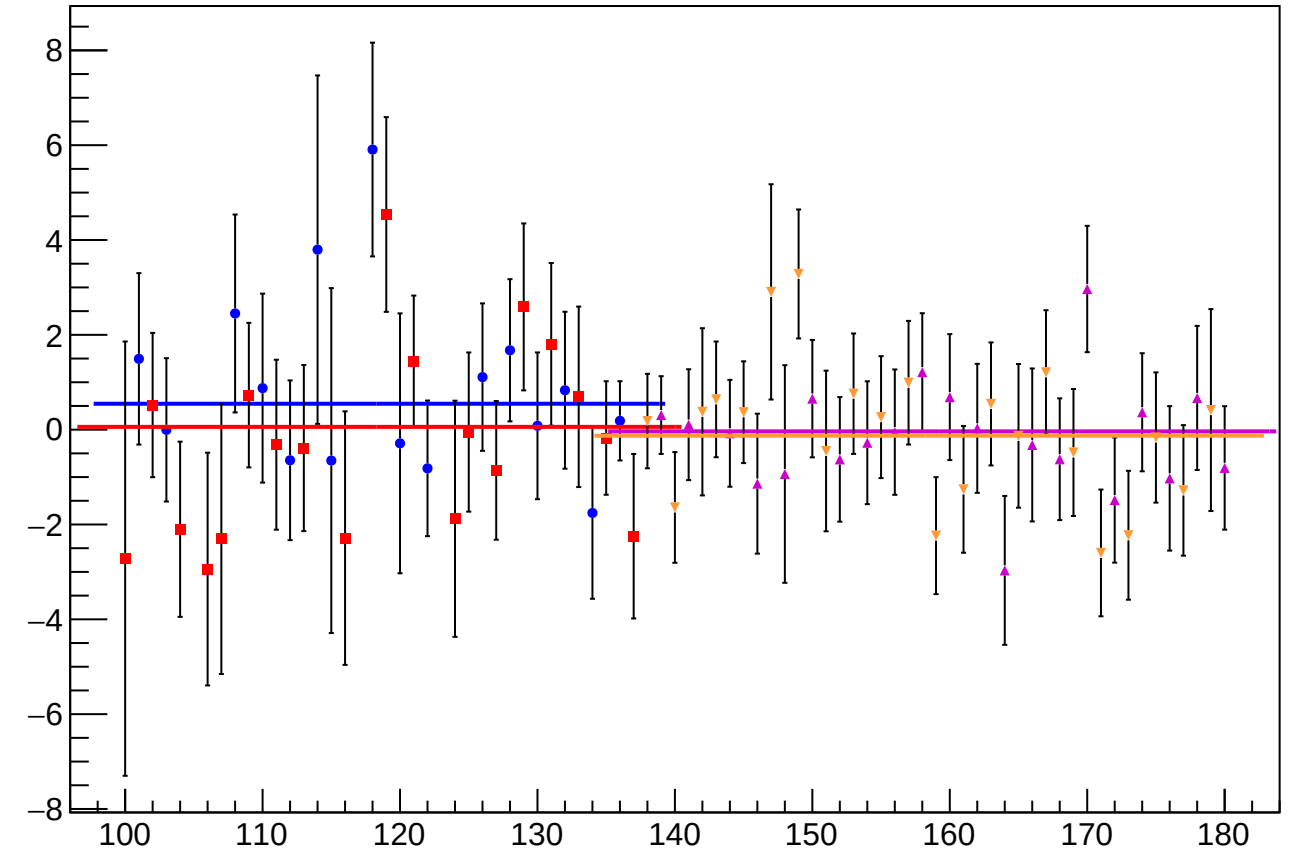
Left: 6429.231+/-0.780 χ^2/NDF: 931272.2/42

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6589.046+/-0.958 χ^2/NDF:1404103.5/36

Out: 6607.088+/-0.951 χ^2/NDF:1245554.7/40

All: 6598.131+/-0.675 χ^2/NDF: 2649836.7/77



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.127+/-0.286 χ^2/NDF:23.5/21

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.036+/-0.284 χ^2/NDF:13.9/20

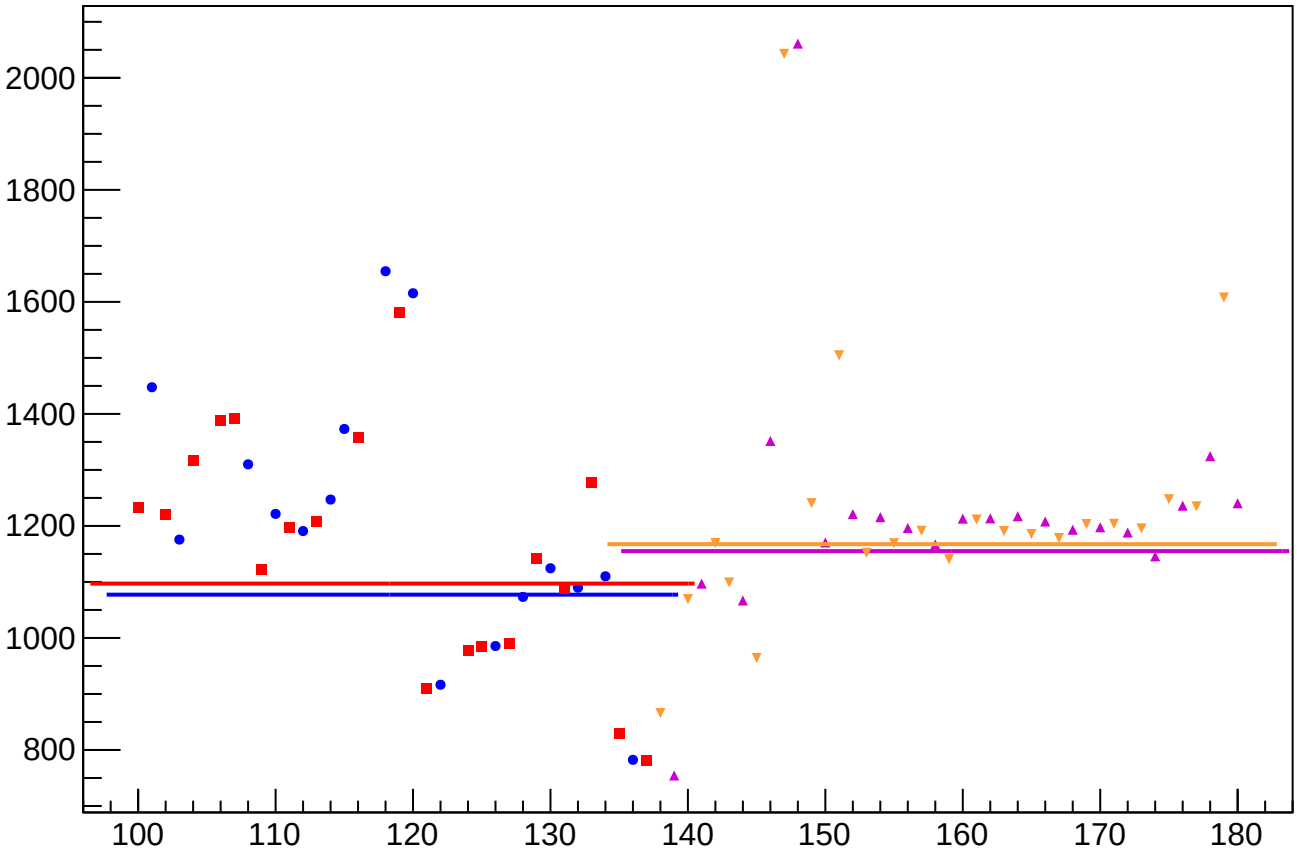
Left: -0.081+/-0.201 χ^2/NDF: 37.4/42

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.152+/-0.233 χ^2/NDF:27.2/36

Out: -0.066+/-0.234 χ^2/NDF:40.5/40

All: 0.043+/-0.165 χ^2/NDF: 68.1/77



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1167.503+/-0.202 χ^2/NDF:763931.2/21

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1155.056+/-0.200 χ^2/NDF:910771.6/20

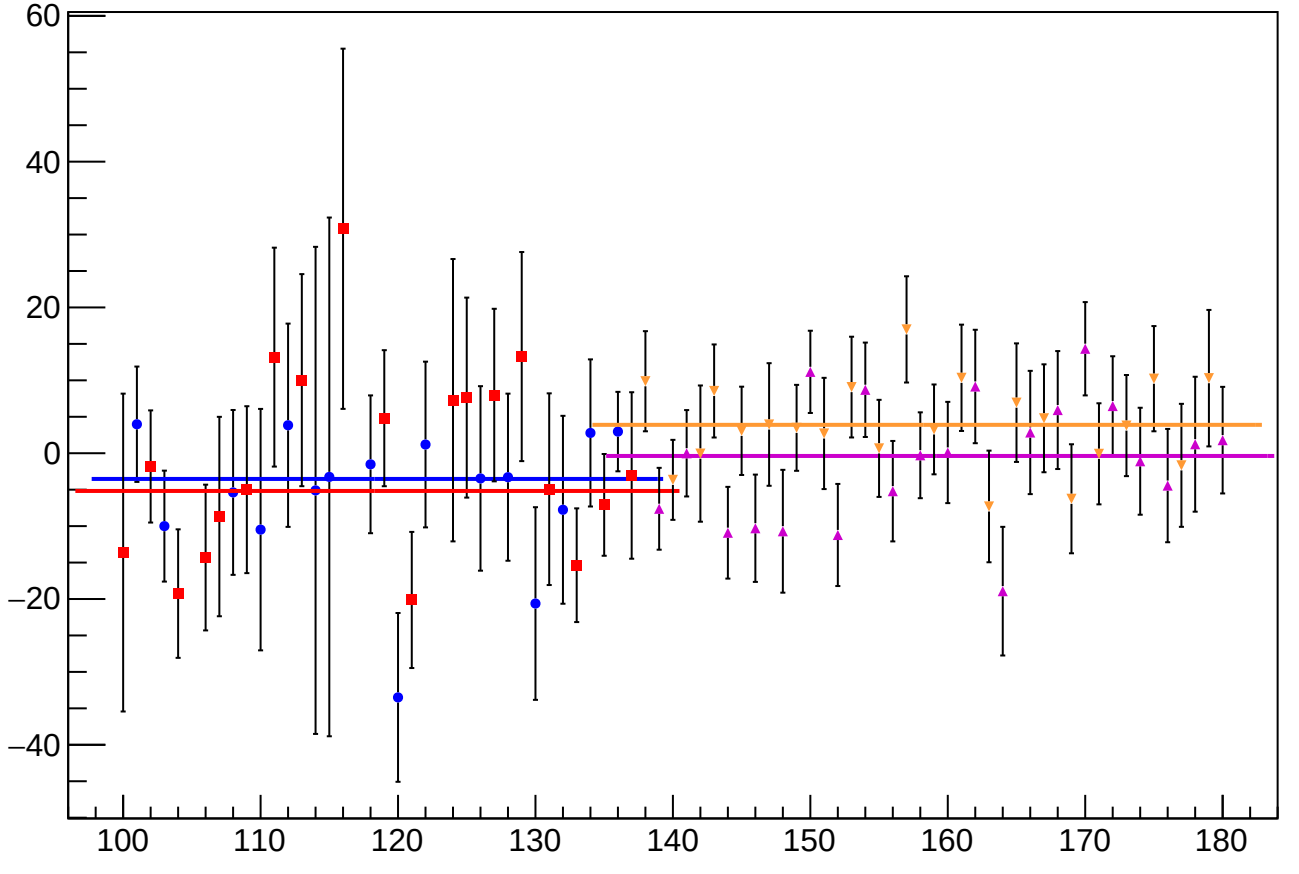
Left: 1161.236+/-0.142 χ^2/NDF: 1676616.7/42

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1129.978+/-0.165 χ^2/NDF:1605810.5/36

Out: 1144.426+/-0.166 χ^2/NDF:1288157.2/40

All: 1137.179+/-0.117 χ^2/NDF: 2897789.2/77



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.895+/-1.508 χ^2/NDF:14.4/21

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.375+/-1.518 χ^2/NDF:30.2/20

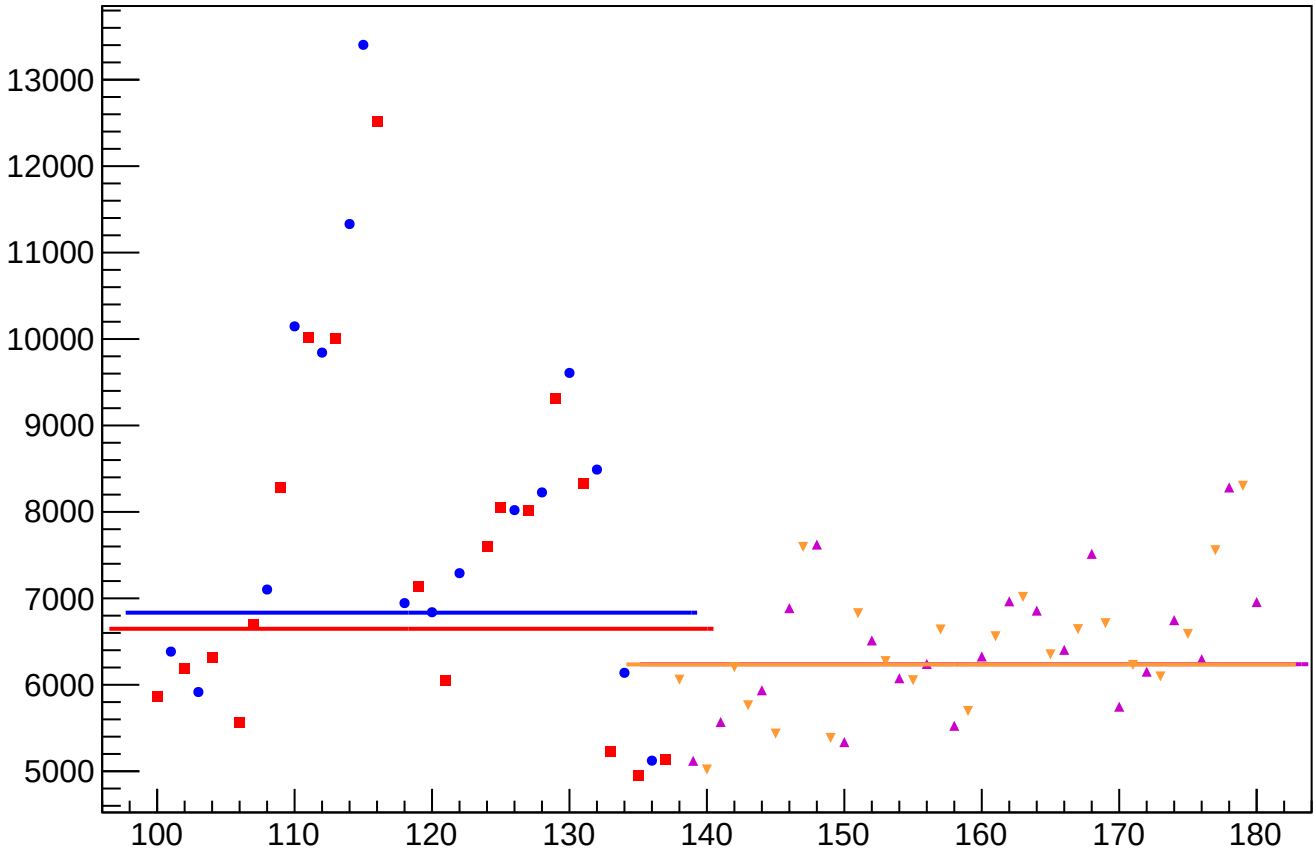
Left: 1.773+/-1.070 χ^2/NDF: 48.5/42

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.172+/-1.312 χ^2/NDF:43.9/36

Out: 1.486+/-1.292 χ^2/NDF:42.2/40

All: 0.177+/-0.921 χ^2/NDF: 88.1/77



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6235.853+/-1.066 χ^2/NDF:465832.2/21

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6238.149+/-1.073 χ^2/NDF:480490.7/20

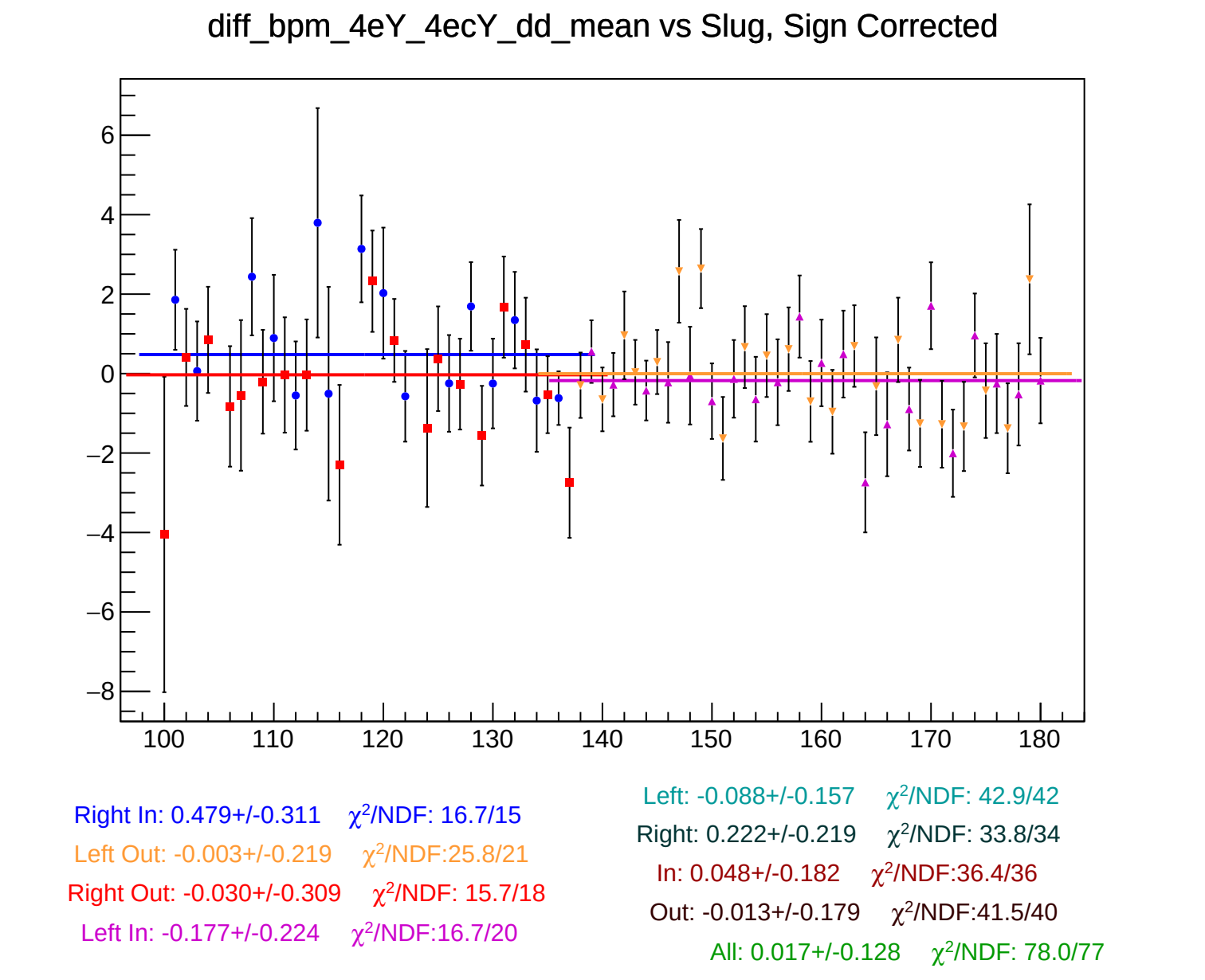
Left: 6236.994+/-0.756 χ^2/NDF: 946325.2/42

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

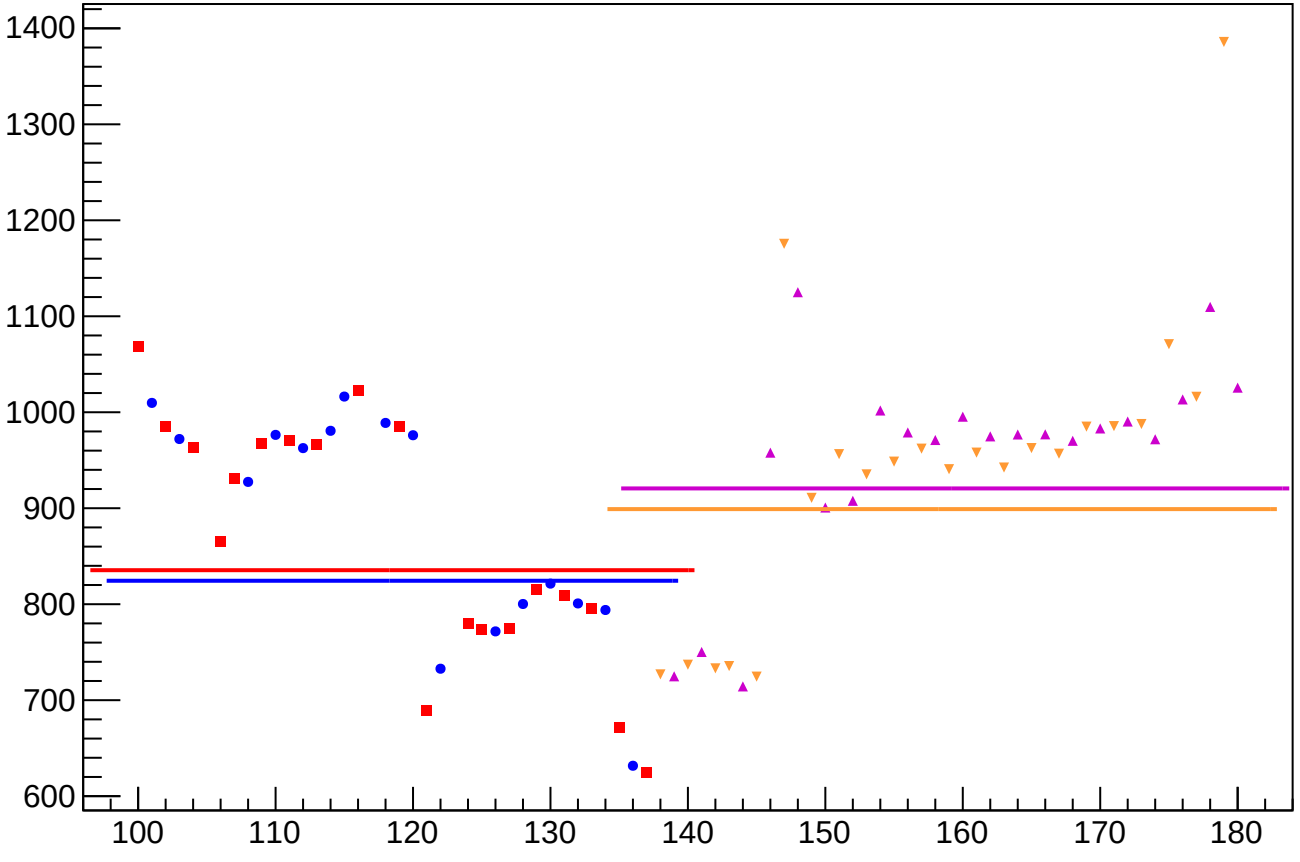
In: 6388.936+/-0.927 χ^2/NDF:1251288.6/36

Out: 6345.298+/-0.914 χ^2/NDF:1290603.6/40

All: 6366.794+/-0.651 χ^2/NDF: 2543015.5/77


diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: -0.003+/-0.219 χ²/NDF:25.8/21
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: -0.177+/-0.224 χ²/NDF:16.7/20
Left: -0.088+/-0.157 χ²/NDF: 42.9/42
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.048+/-0.182 χ²/NDF:36.4/36
Out: -0.013+/-0.179 χ²/NDF:41.5/40
All: 0.017+/-0.128 χ²/NDF: 78.0/77

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 899.081+/-0.155 χ^2/NDF:758029.5/21

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 920.626+/-0.159 χ^2/NDF:565416.8/20

Left: 909.619+/-0.111 χ^2/NDF: 1332878.2/42

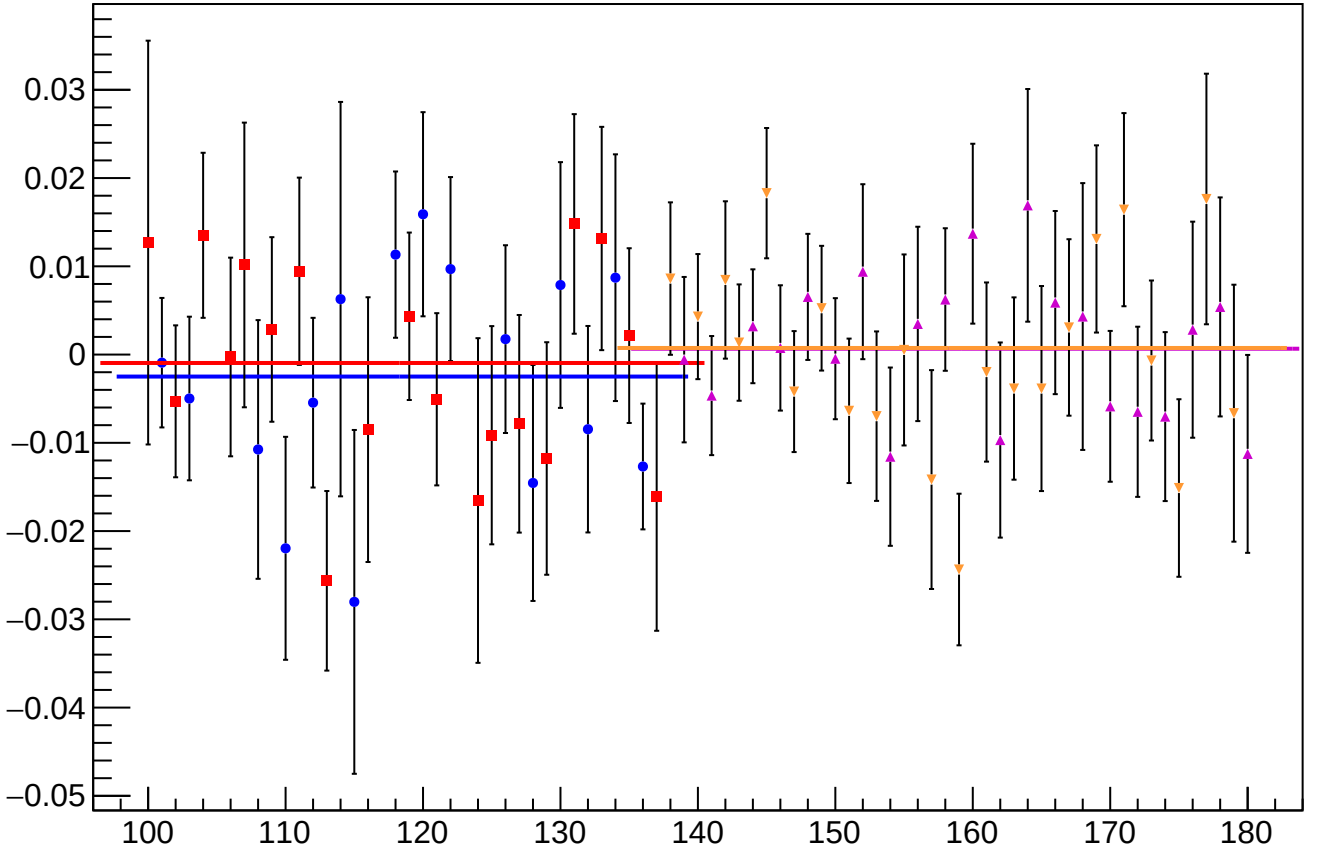
Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 887.692+/-0.129 χ^2/NDF:1056880.1/36

Out: 877.704+/-0.126 χ^2/NDF:1133846.6/40

All: 882.614+/-0.090 χ^2/NDF: 2193793.8/77

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:27.9/21

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:11.7/20

Left: 0.001+/-0.001 χ^2/NDF: 39.6/42

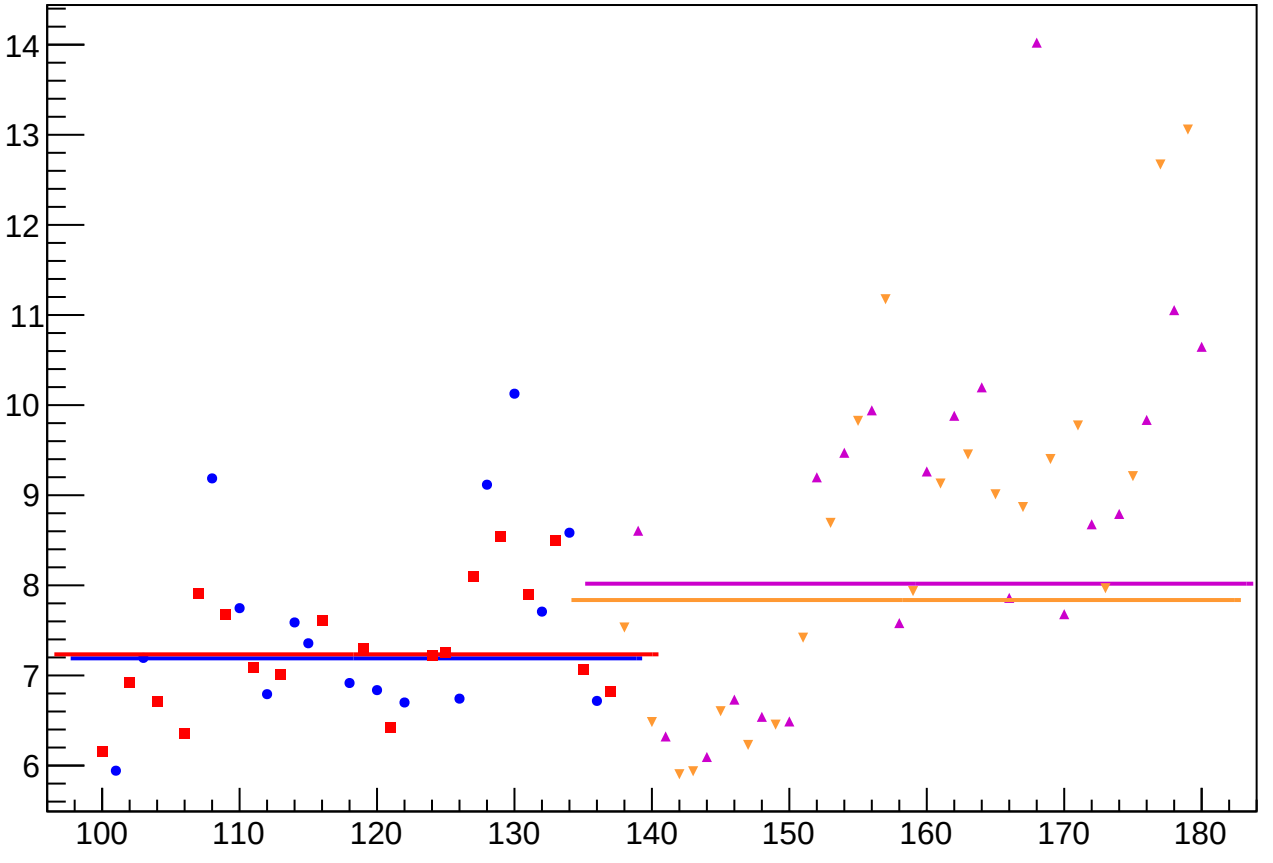
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:27.9/36

Out: 0.000+/-0.002 χ^2/NDF:45.4/40

All: -0.000+/-0.001 χ^2/NDF: 73.4/77

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.837+/-0.001 χ^2/NDF:1568245.0/21

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 8.018+/-0.001 χ^2/NDF:1455709.8/20

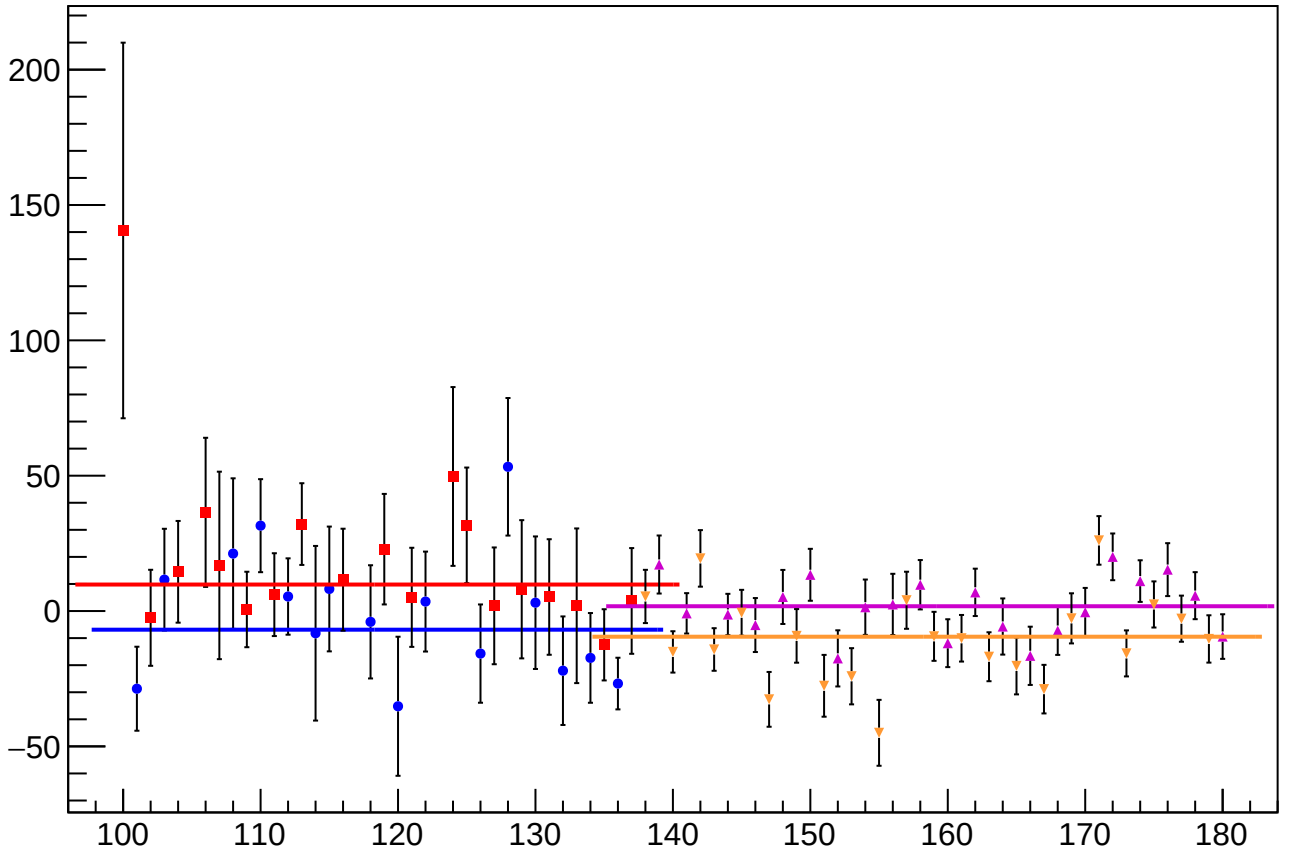
Left: 7.925+/-0.001 χ^2/NDF: 3032563.4/42

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.730+/-0.001 χ^2/NDF:1855319.9/36

Out: 7.629+/-0.001 χ^2/NDF:1741757.7/40

All: 7.678+/-0.001 χ^2/NDF: 3601163.2/77



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.483+/-1.971 χ^2/NDF:57.6/21

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.772+/-1.996 χ^2/NDF:25.7/20

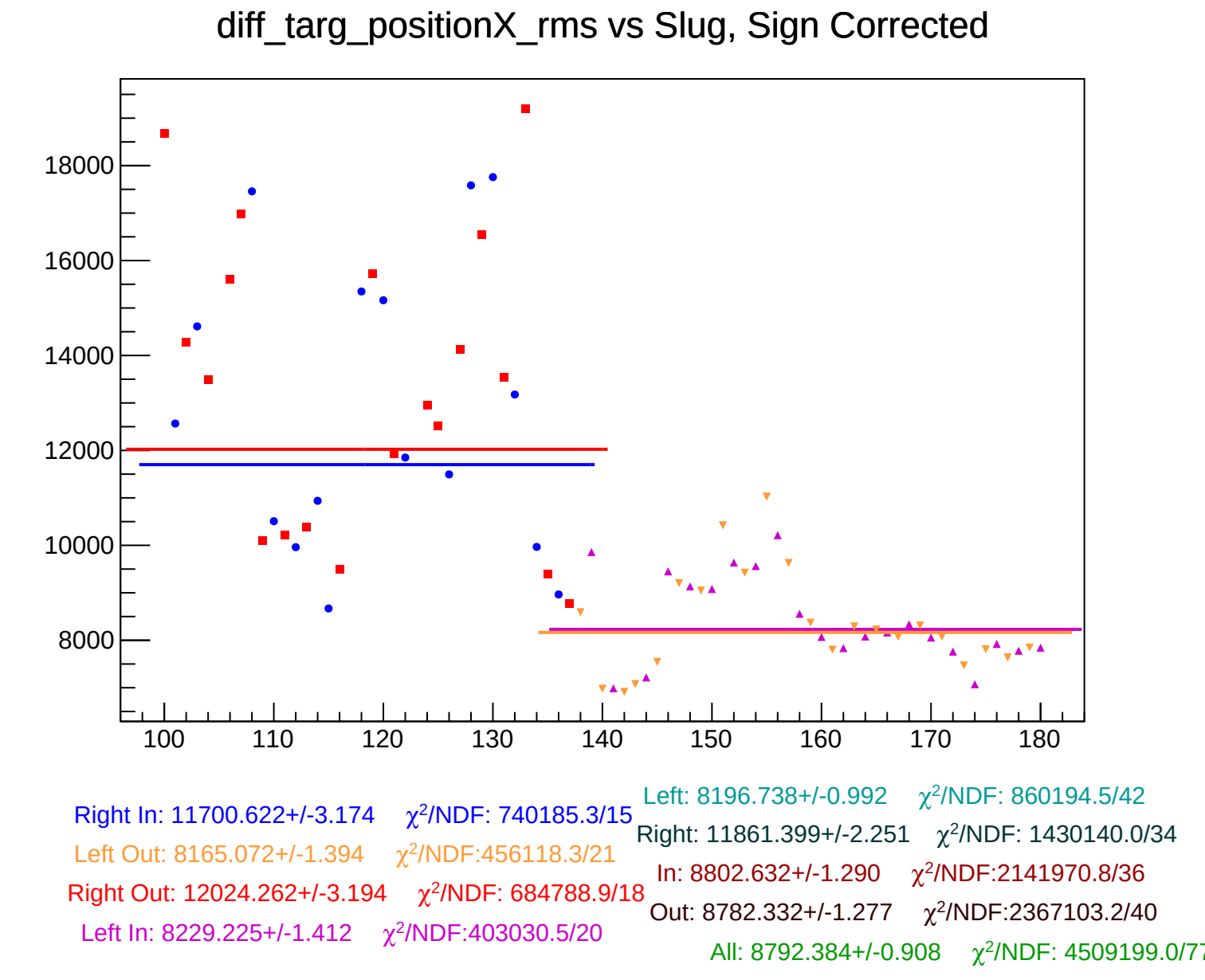
Left: -3.928+/-1.403 χ^2/NDF: 99.4/42

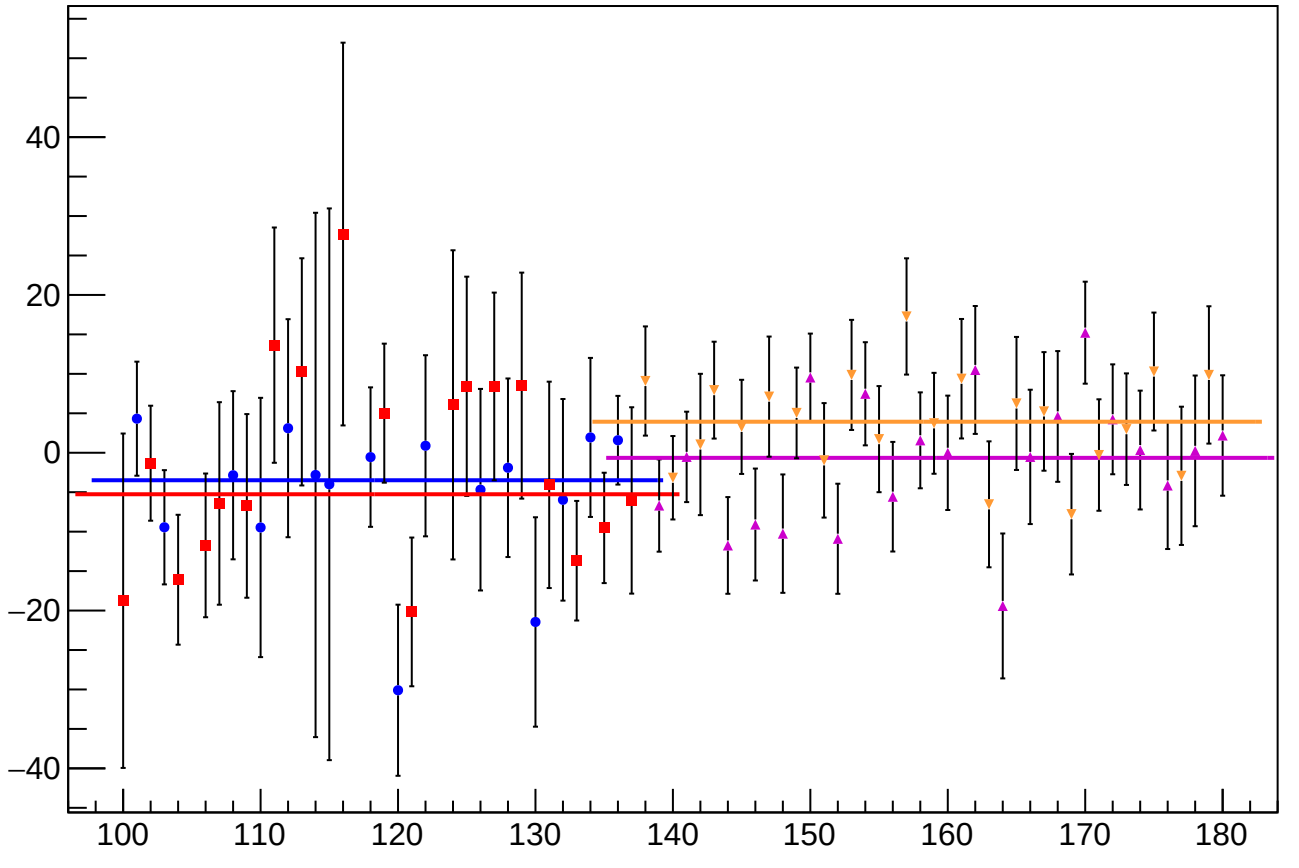
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.341+/-1.824 χ^2/NDF:51.9/36

Out: -6.401+/-1.807 χ^2/NDF:86.8/40

All: -3.062+/-1.284 χ^2/NDF: 145.6/77


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8165.072+/-1.394 χ²/NDF:456118.3/21
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8229.225+/-1.412 χ²/NDF:403030.5/20
Left: 8196.738+/-0.992 χ²/NDF: 860194.5/42
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 8802.632+/-1.290 χ²/NDF:2141970.8/36
Out: 8782.332+/-1.277 χ²/NDF:2367103.2/40
All: 8792.384+/-0.908 χ²/NDF: 4509199.0/77



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.933+/-1.504 χ^2/NDF:14.6/21

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.648+/-1.528 χ^2/NDF:28.5/20

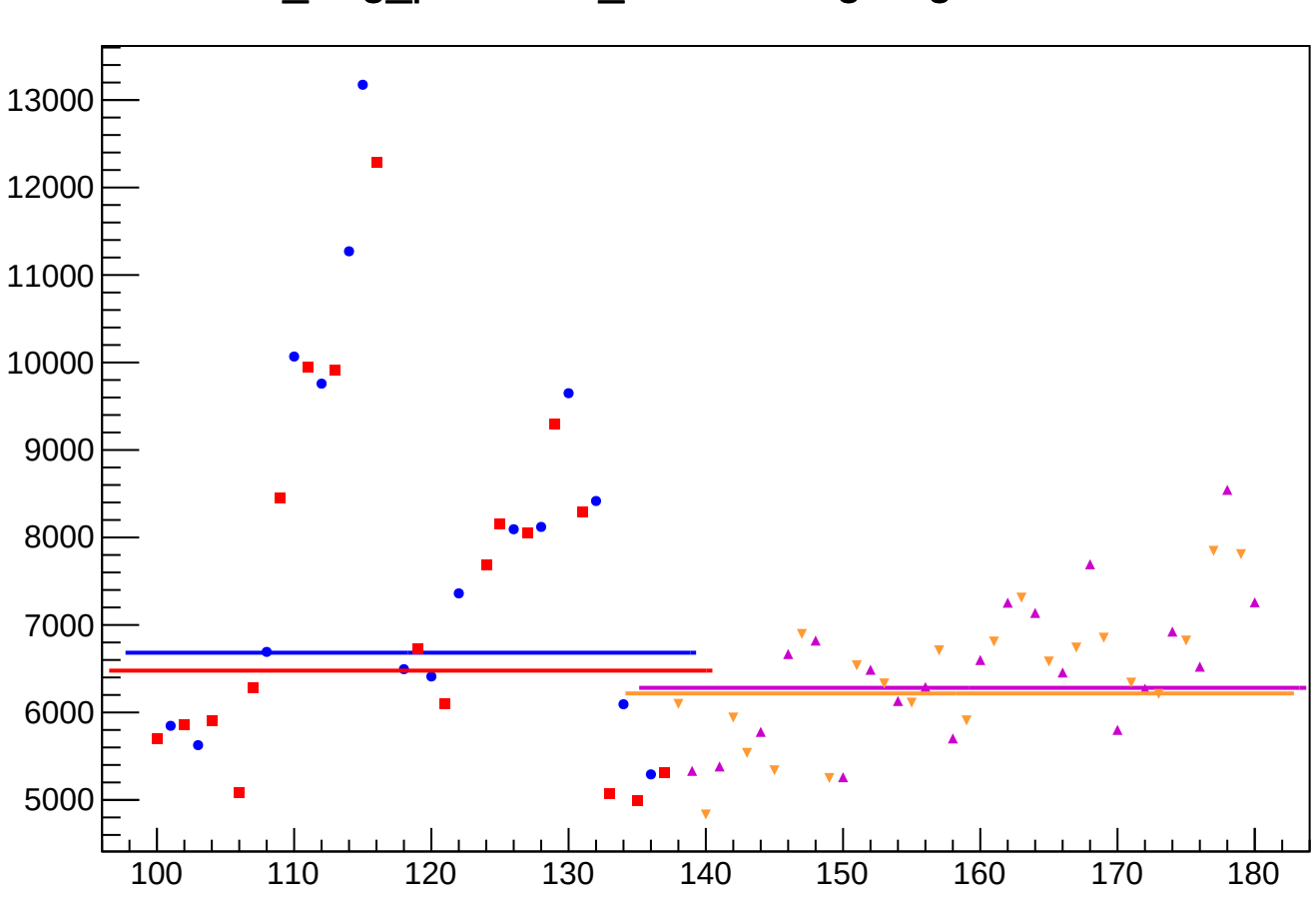
Left: 1.679+/-1.072 χ^2/NDF: 47.6/42

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.397+/-1.311 χ^2/NDF:40.9/36

Out: 1.411+/-1.281 χ^2/NDF:41.4/40

All: 0.039+/-0.916 χ^2/NDF: 84.6/77



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6217.409+/-1.063 χ^2/NDF:525649.4/21

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6281.530+/-1.080 χ^2/NDF:501708.2/20

Left: 6248.962+/-0.758 χ^2/NDF: 1029146.5/42

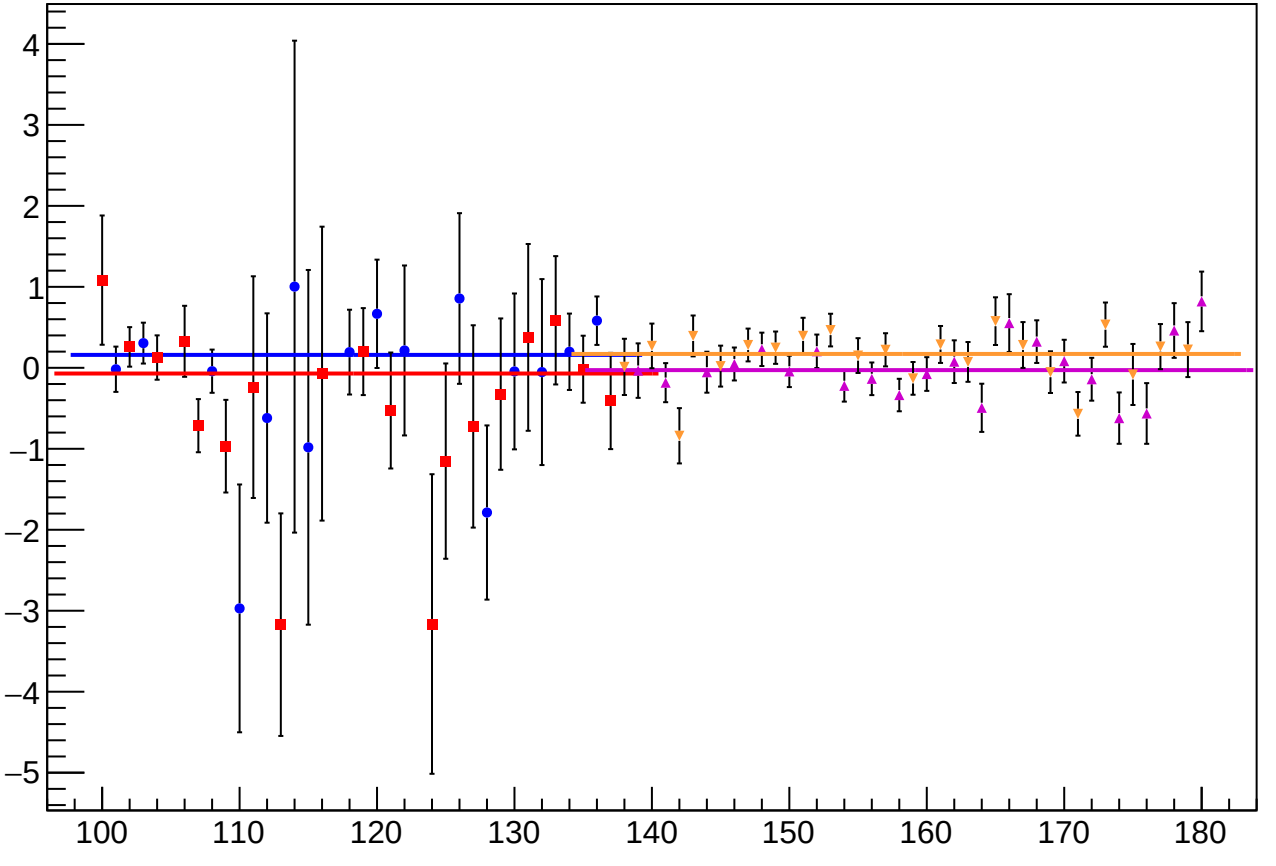
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6387.614+/-0.927 χ^2/NDF:1230391.1/36

Out: 6288.922+/-0.906 χ^2/NDF:1381361.6/40

All: 6337.148+/-0.648 χ^2/NDF: 2617551.6/77

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/21

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.028+/-0.054 χ^2/NDF:27.4/20

Left: 0.073+/-0.038 χ^2/NDF: 63.7/42

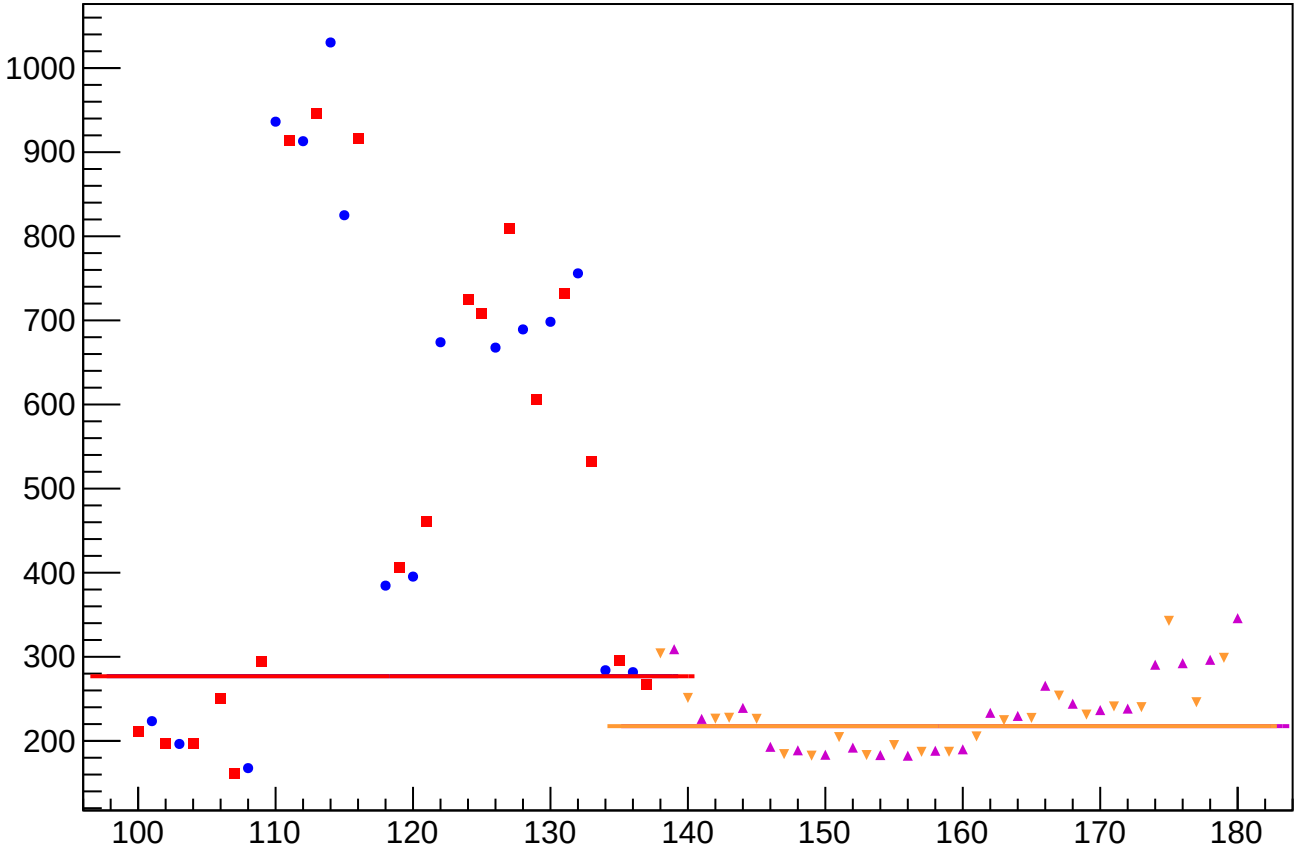
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.003+/-0.049 χ^2/NDF:42.0/36

Out: 0.132+/-0.048 χ^2/NDF:55.1/40

All: 0.068+/-0.034 χ^2/NDF: 100.6/77

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 217.546+/-0.037 χ^2/NDF:886557.3/21

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 217.559+/-0.038 χ^2/NDF:1154077.2/20

Left: 217.553+/-0.027 χ^2/NDF: 2040634.6/42

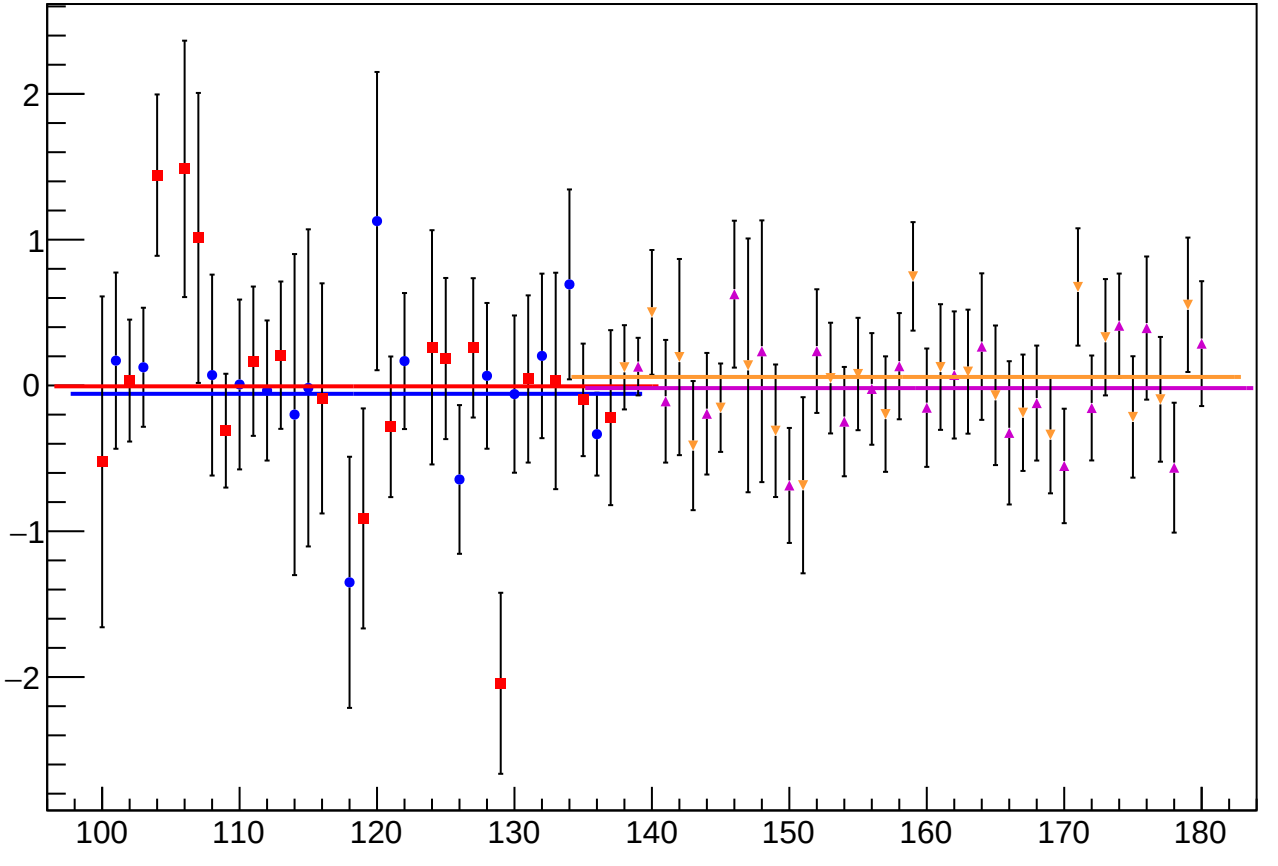
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 227.509+/-0.035 χ^2/NDF:5016322.7/36

Out: 227.266+/-0.034 χ^2/NDF:4868885.2/40

All: 227.386+/-0.024 χ^2/NDF: 9885232.9/77

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.058+/-0.088 χ^2/NDF:14.8/21

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.018+/-0.085 χ^2/NDF:13.3/20

Left: 0.019+/-0.061 χ^2/NDF: 28.5/42

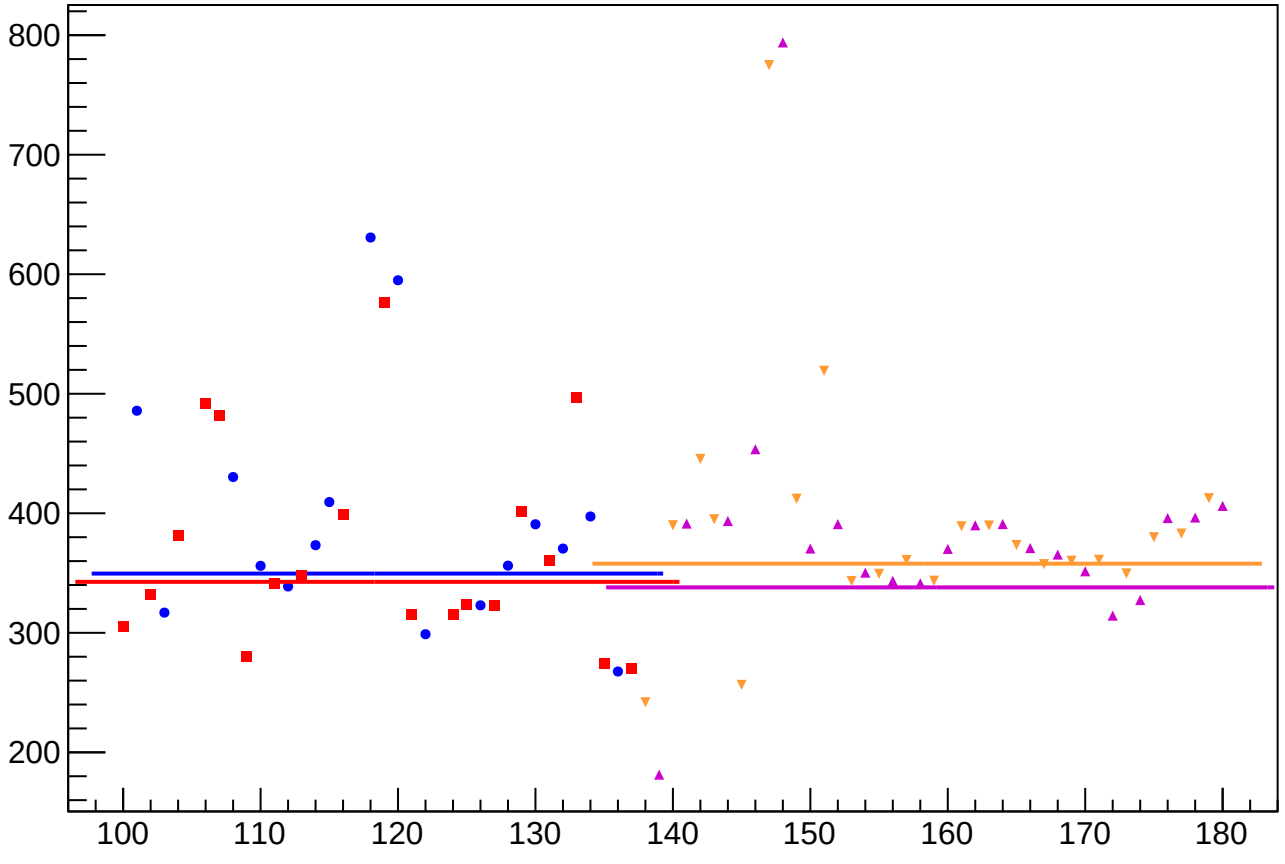
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.029+/-0.072 χ^2/NDF:21.5/36

Out: 0.038+/-0.073 χ^2/NDF:40.1/40

All: 0.004+/-0.051 χ^2/NDF: 62.1/77

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 357.842+/-0.063 χ^2/NDF:1308413.8/21

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 338.022+/-0.060 χ^2/NDF:2201946.3/20

Left: 347.549+/-0.043 χ^2/NDF: 3562550.2/42

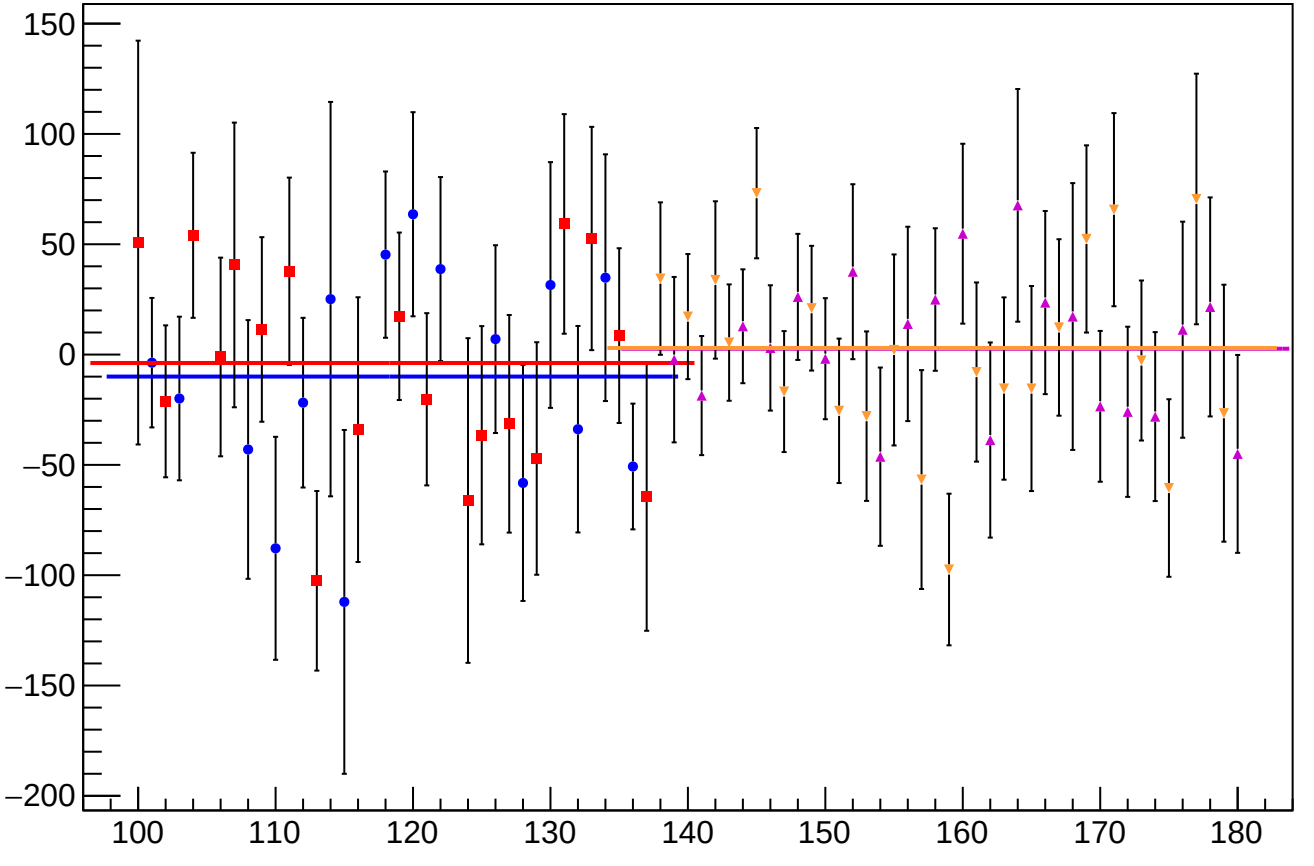
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 341.343+/-0.051 χ^2/NDF:2911842.2/36

Out: 352.980+/-0.052 χ^2/NDF:1903081.6/40

All: 347.070+/-0.036 χ^2/NDF: 4840788.6/77

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.647+/-7.916 χ^2/NDF:11.7/20

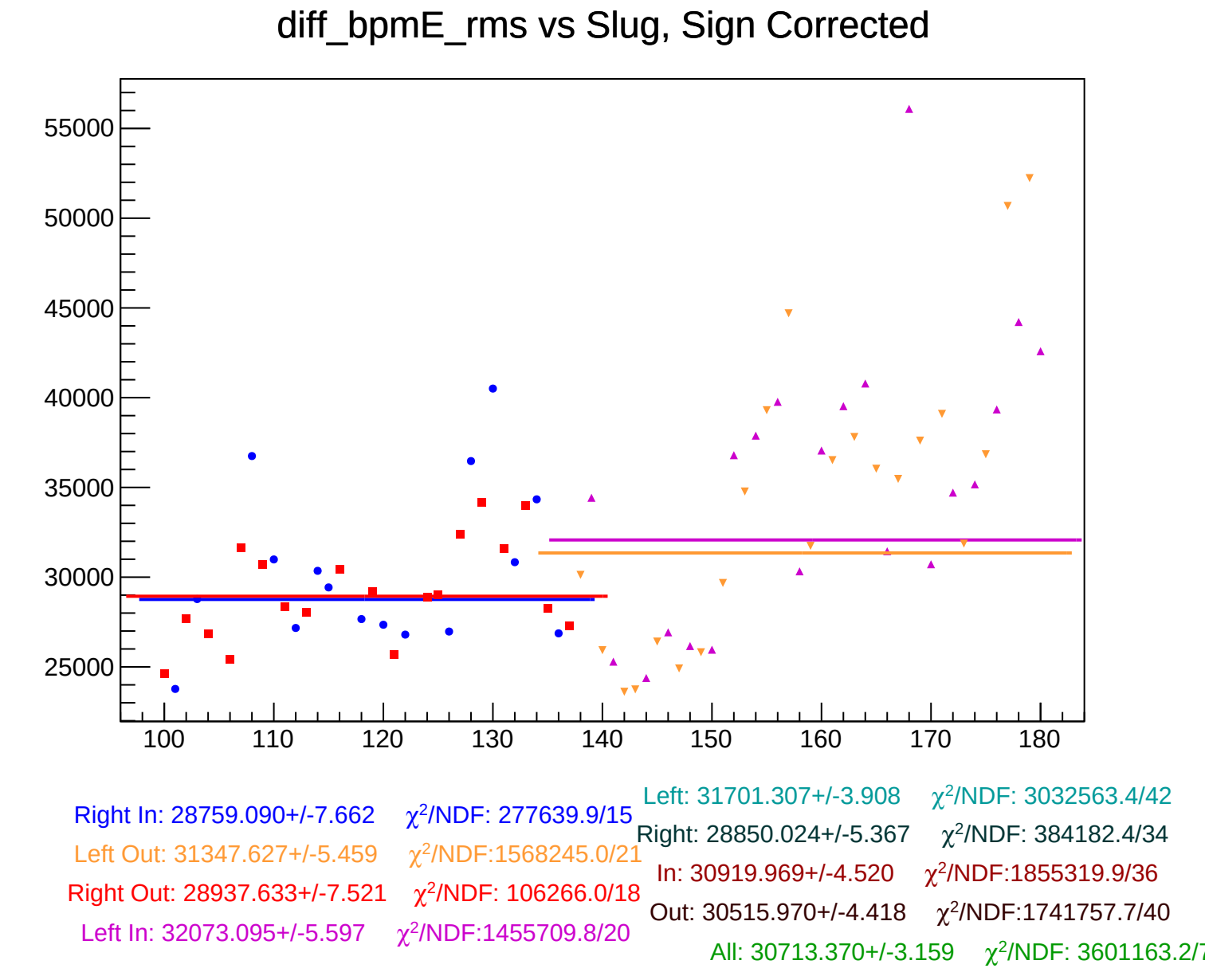
Left: 2.822+/-5.527 χ^2/NDF: 39.6/42

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

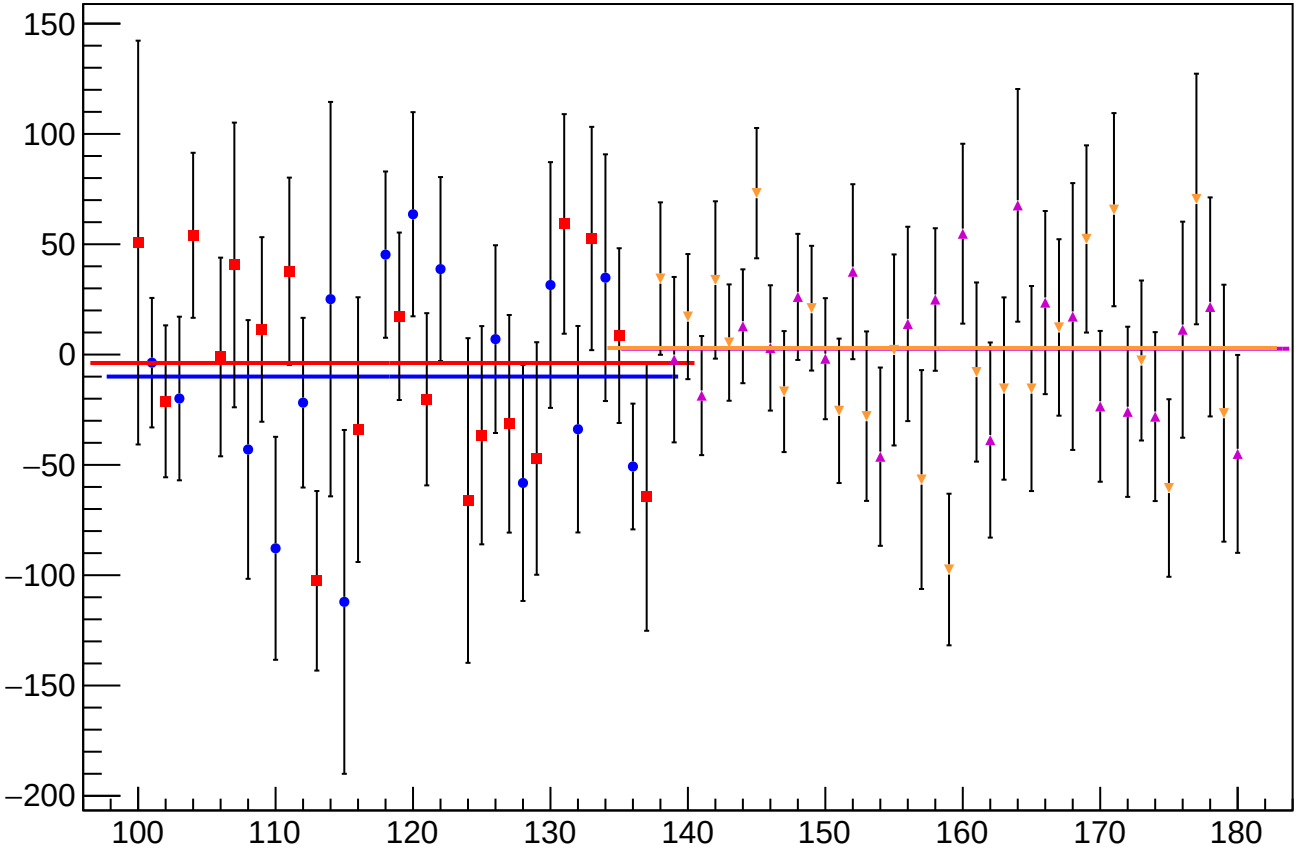
In: -1.743+/-6.392 χ^2/NDF:27.9/36

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.524+/-4.468 χ^2/NDF: 73.4/77


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
Left: 31701.307+/-3.908 χ²/NDF: 3032563.4/42
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30919.969+/-4.520 χ²/NDF:1855319.9/36
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30713.370+/-3.159 χ²/NDF: 3601163.2/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.647+/-7.916 χ^2/NDF:11.7/20

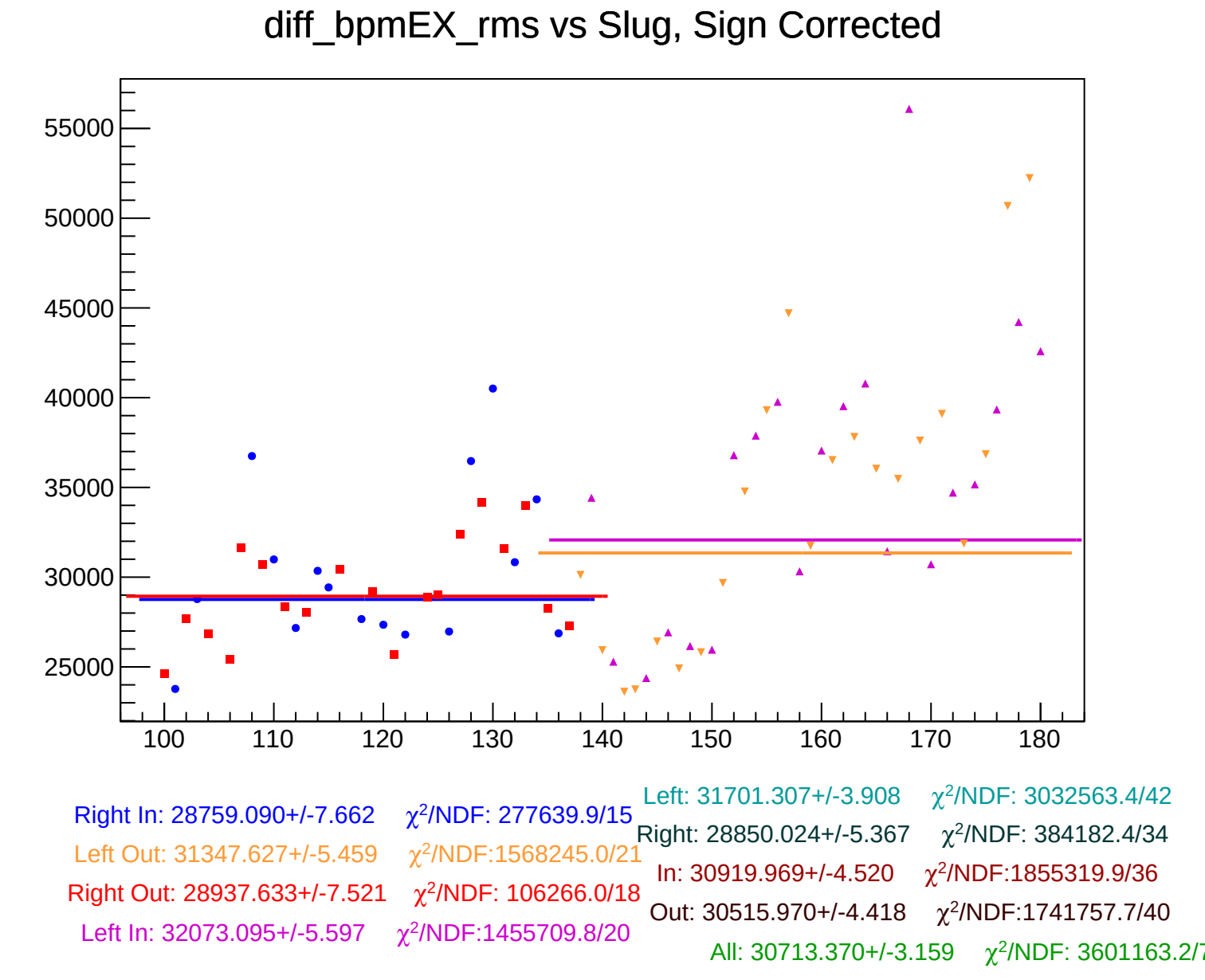
Left: 2.822+/-5.527 χ^2/NDF: 39.6/42

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

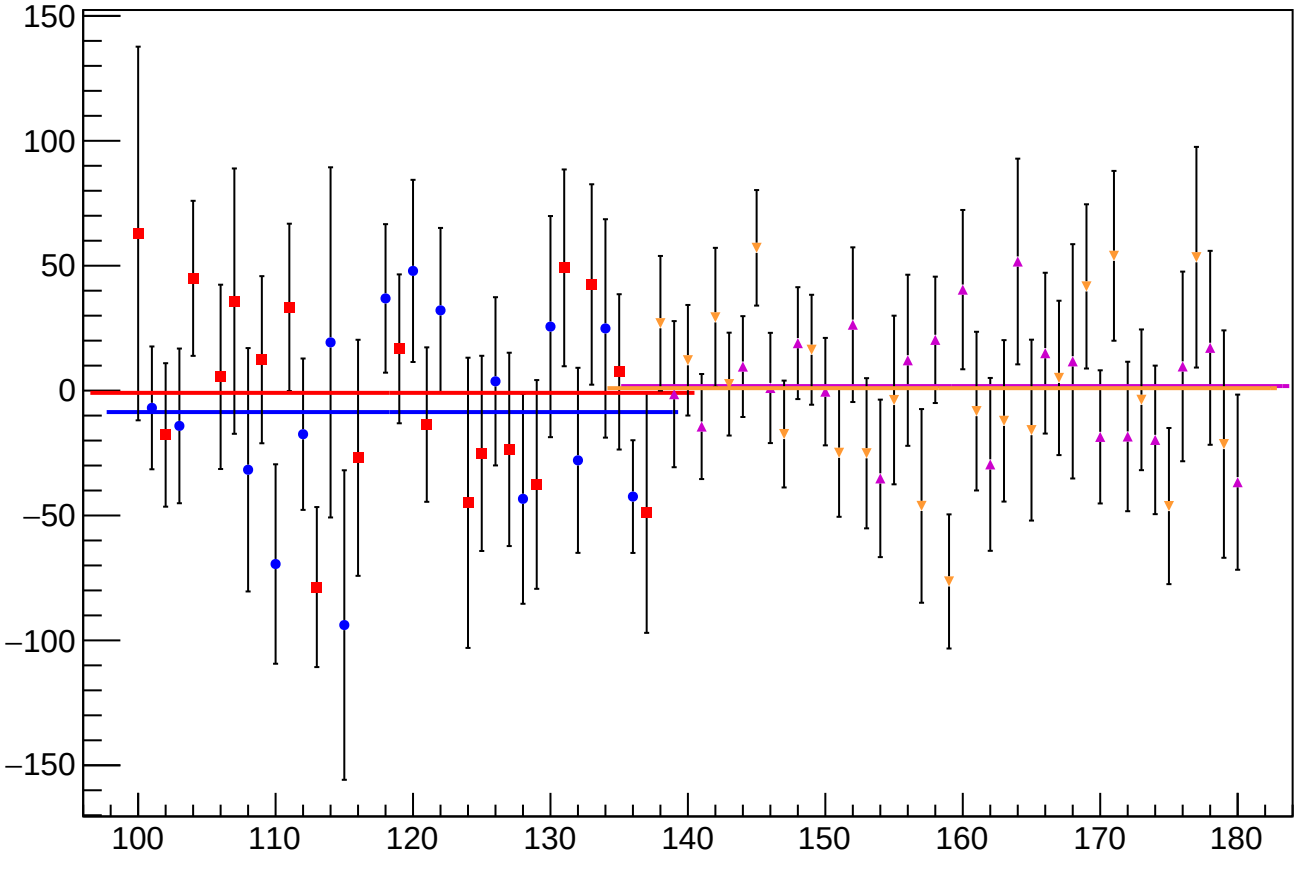
In: -1.743+/-6.392 χ^2/NDF:27.9/36

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.524+/-4.468 χ^2/NDF: 73.4/77


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
Left: 31701.307+/-3.908 χ²/NDF: 3032563.4/42
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30919.969+/-4.520 χ²/NDF:1855319.9/36
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30713.370+/-3.159 χ²/NDF: 3601163.2/7

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.972+/-6.022 χ^2/NDF:29.3/21

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 1.812+/-6.177 χ^2/NDF:10.9/20

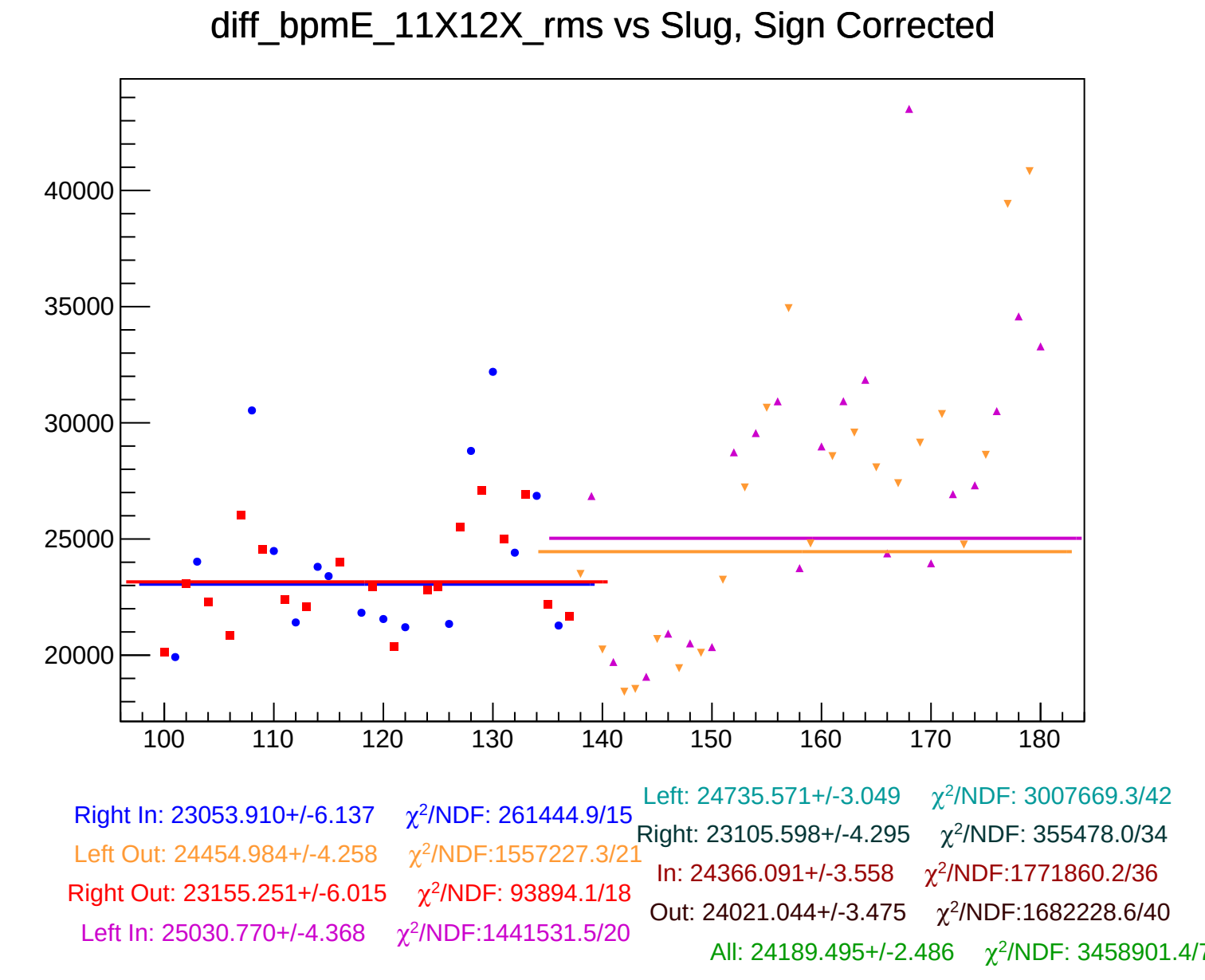
Left: 1.382+/-4.312 χ^2/NDF: 40.3/42

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

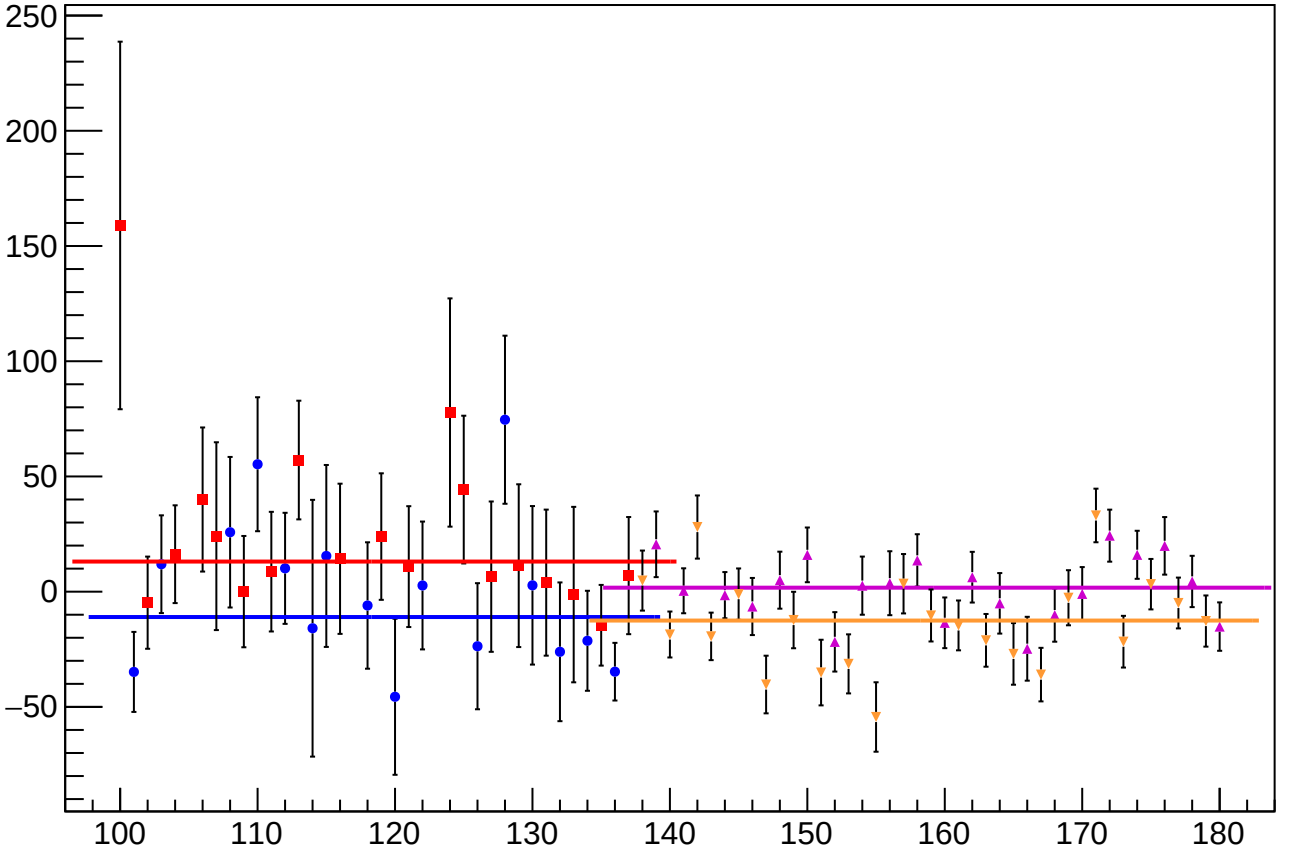
In: -1.688+/-5.032 χ^2/NDF:27.4/36

Out: 0.346+/-4.915 χ^2/NDF:47.0/40

All: -0.647+/-3.516 χ^2/NDF: 74.4/77


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24454.984+/-4.258 χ²/NDF:1557227.3/21
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 25030.770+/-4.368 χ²/NDF:1441531.5/20
Left: 24735.571+/-3.049 χ²/NDF: 3007669.3/42
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 24366.091+/-3.558 χ²/NDF:1771860.2/36
Out: 24021.044+/-3.475 χ²/NDF:1682228.6/40
All: 24189.495+/-2.486 χ²/NDF: 3458901.4/7

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.529+/-2.521 χ^2/NDF:56.4/21

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.733+/-2.550 χ^2/NDF:26.0/20

Left: -5.478+/-1.793 χ^2/NDF: 98.2/42

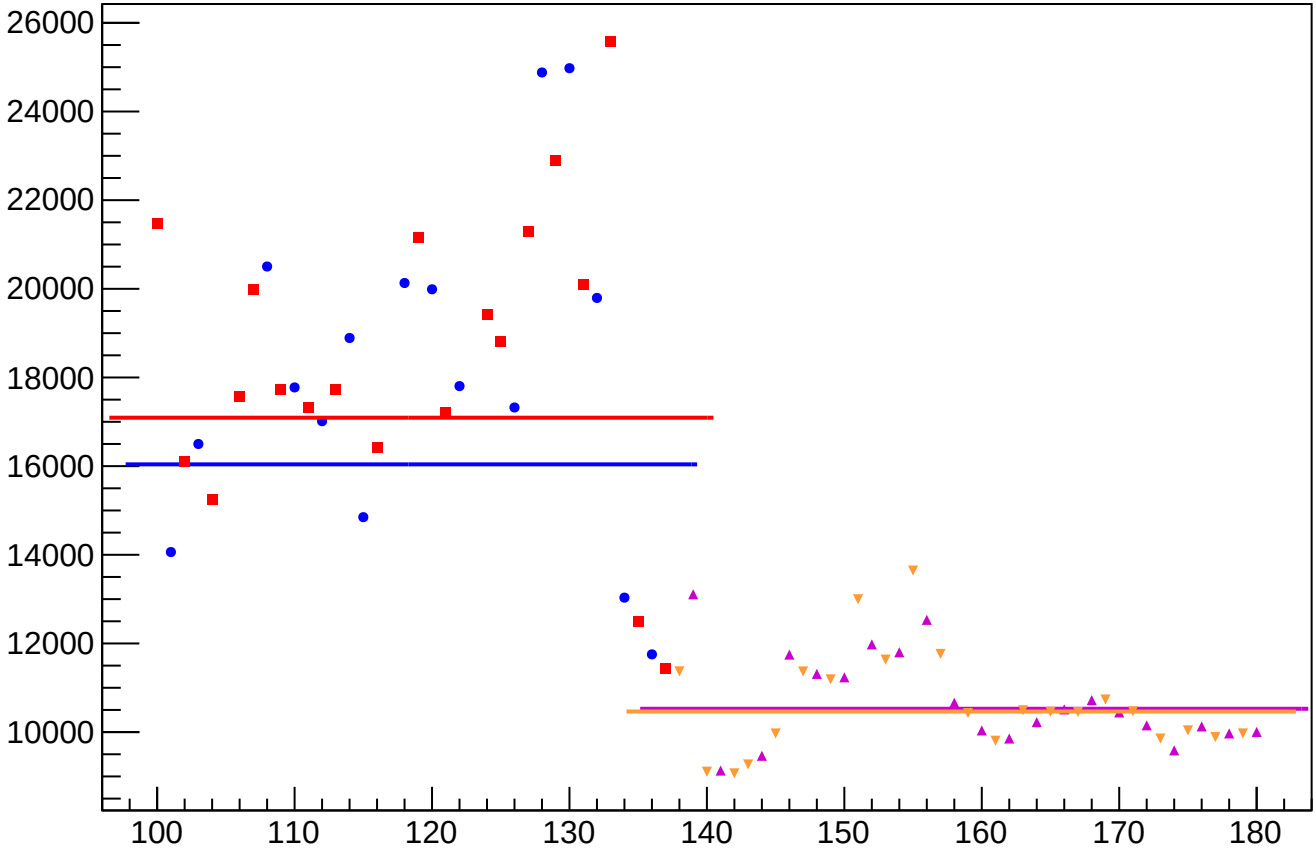
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -0.132+/-2.356 χ^2/NDF:51.7/36

Out: -9.073+/-2.345 χ^2/NDF:84.2/40

All: -4.623+/-1.662 χ^2/NDF: 143.1/77

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10464.559+/-1.783 χ^2/NDF:331883.1/21

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10526.454+/-1.803 χ^2/NDF:295044.8/20

Left: 10495.159+/-1.268 χ^2/NDF: 627523.7/42

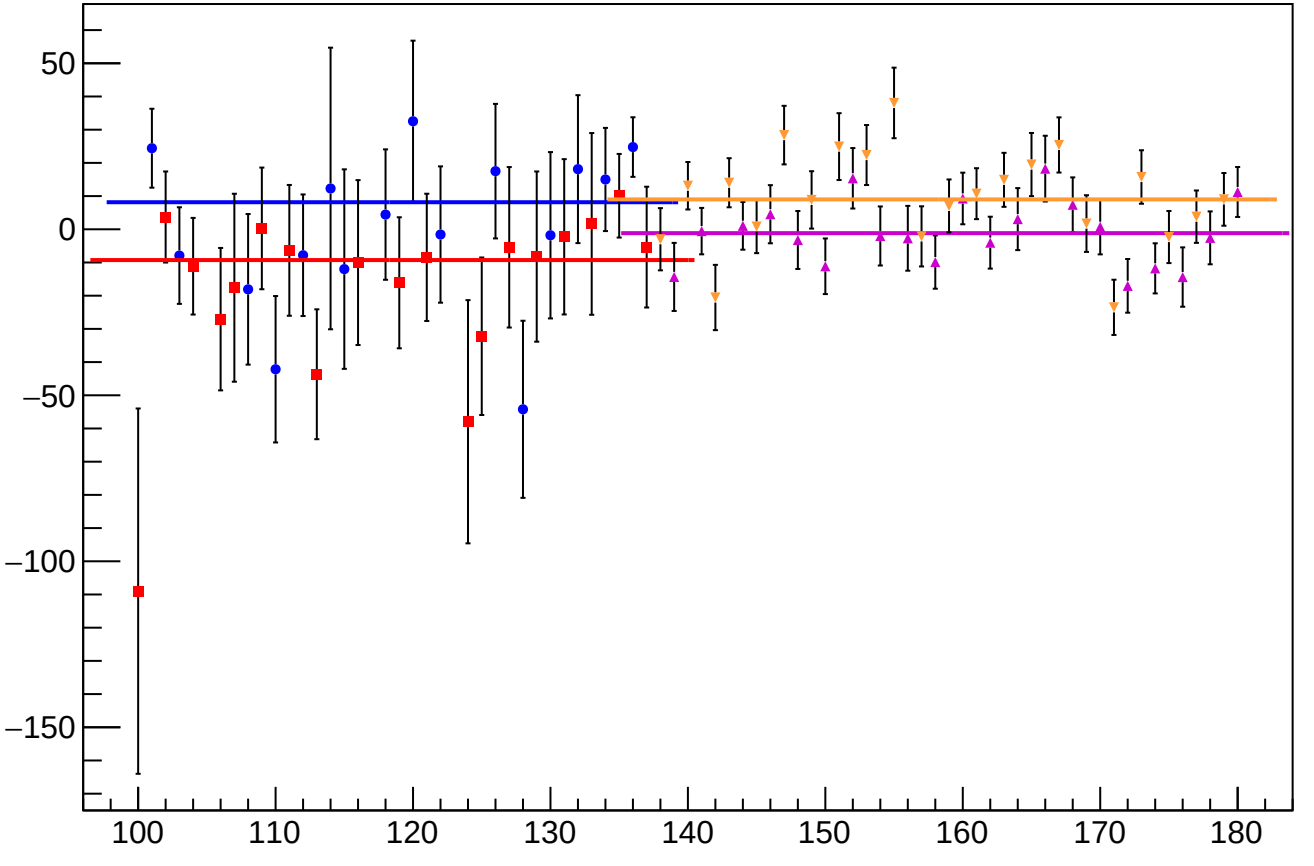
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11334.125+/-1.666 χ^2/NDF:2387559.7/36

Out: 11359.462+/-1.658 χ^2/NDF:2733363.7/40

All: 11346.851+/-1.175 χ^2/NDF: 5121039.5/7

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.998+/-1.797 χ^2/NDF:56.0/21

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.160+/-1.817 χ^2/NDF:26.0/20

Left: 3.975+/-1.277 χ^2/NDF: 97.8/42

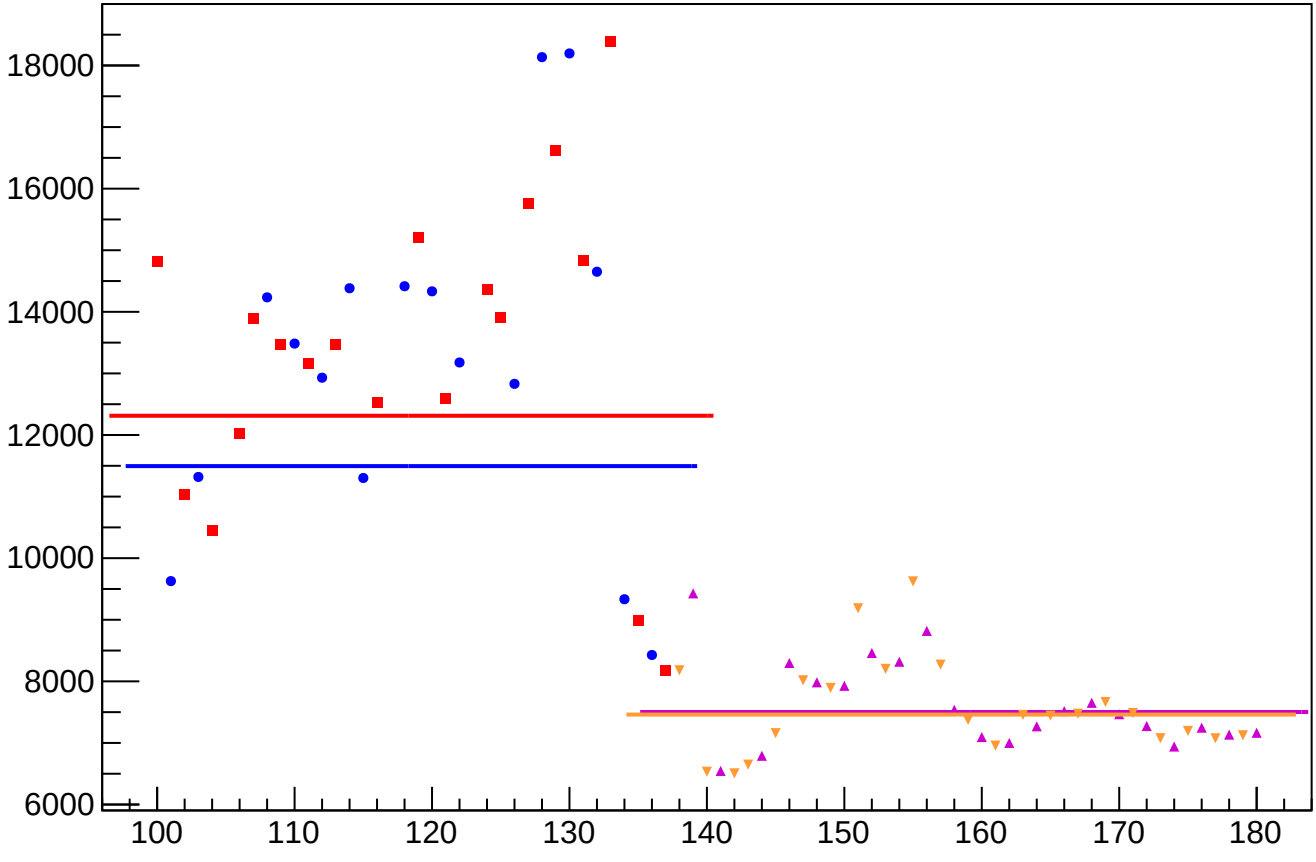
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.184+/-1.680 χ^2/NDF:51.6/36

Out: 6.586+/-1.674 χ^2/NDF:83.5/40

All: 3.397+/-1.186 χ^2/NDF: 142.4/77

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7460.962+/-1.271 χ^2/NDF:300684.4/21

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7502.357+/-1.285 χ^2/NDF:269026.2/20

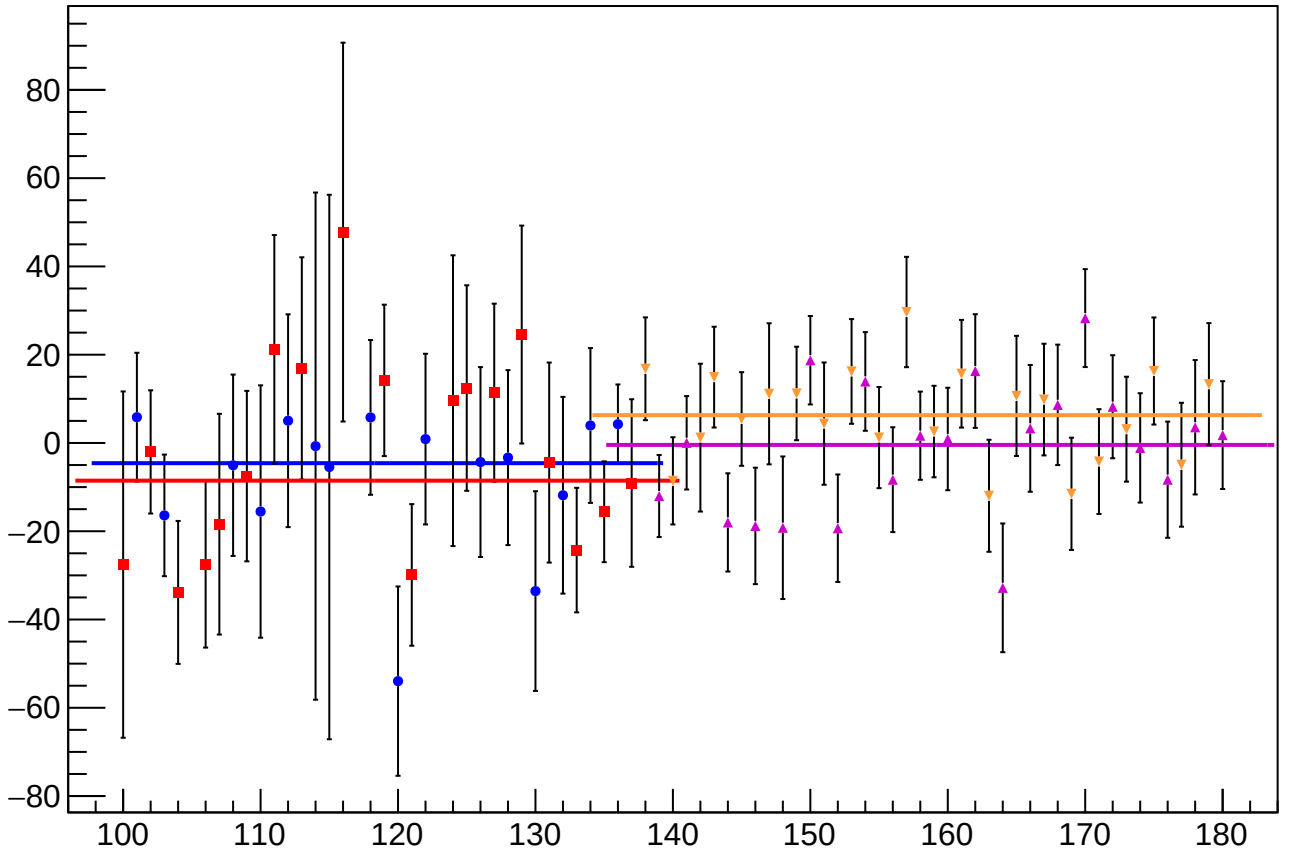
Left: 7481.432+/-0.903 χ^2/NDF: 570235.5/42

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8078.709+/-1.188 χ^2/NDF:2453578.0/36

Out: 8101.468+/-1.184 χ^2/NDF:2824465.7/40

All: 8090.132+/-0.839 χ^2/NDF: 5278227.8/77



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.303+/-2.597 χ^2/NDF:15.8/21

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.439+/-2.607 χ^2/NDF:30.4/20

Left: 2.944+/-1.840 χ^2/NDF: 49.6/42

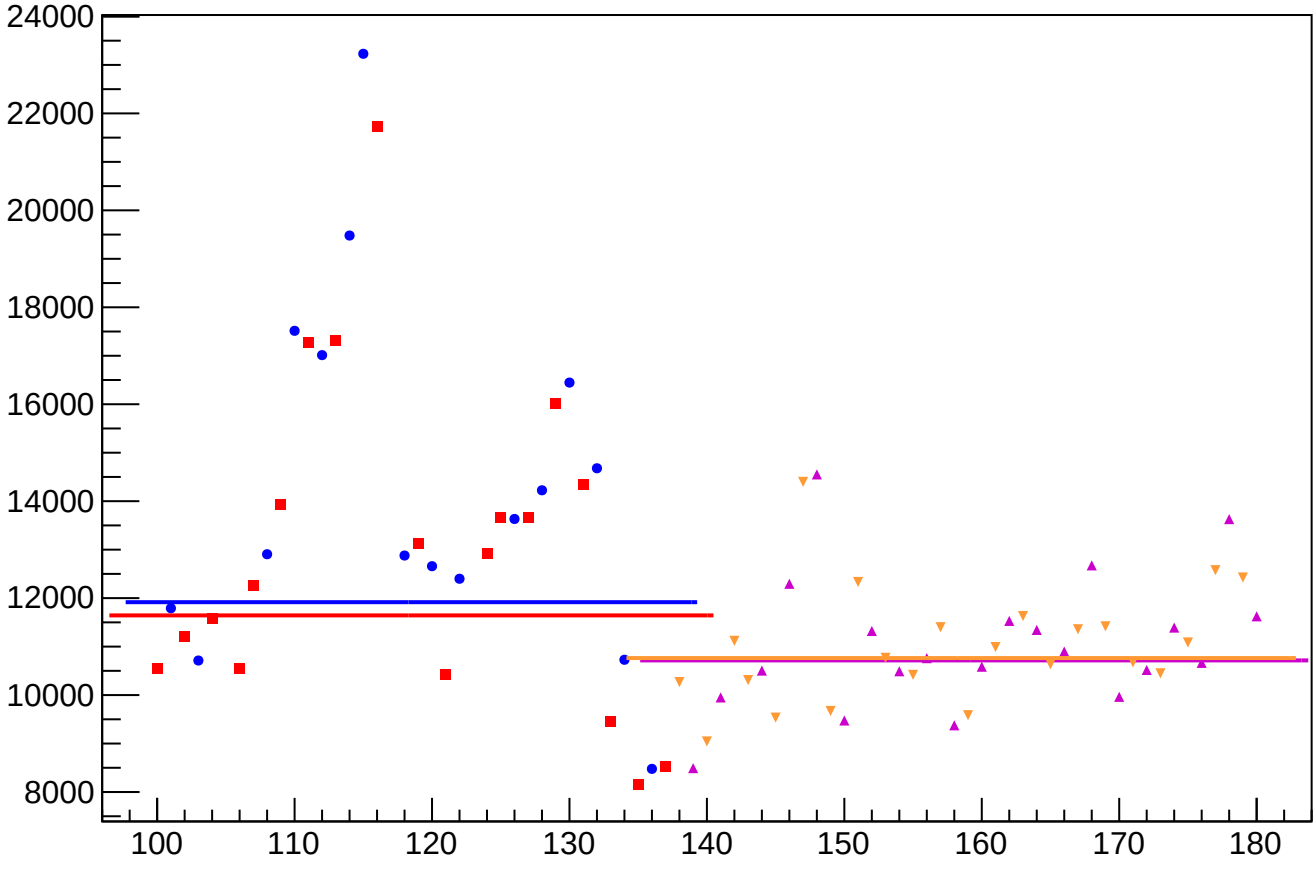
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.461+/-2.263 χ^2/NDF:41.3/36

Out: 2.458+/-2.236 χ^2/NDF:41.5/40

All: 0.522+/-1.590 χ^2/NDF: 84.3/77

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10763.291+/-1.837 χ^2/NDF:363434.2/21

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10715.295+/-1.844 χ^2/NDF:493086.4/20

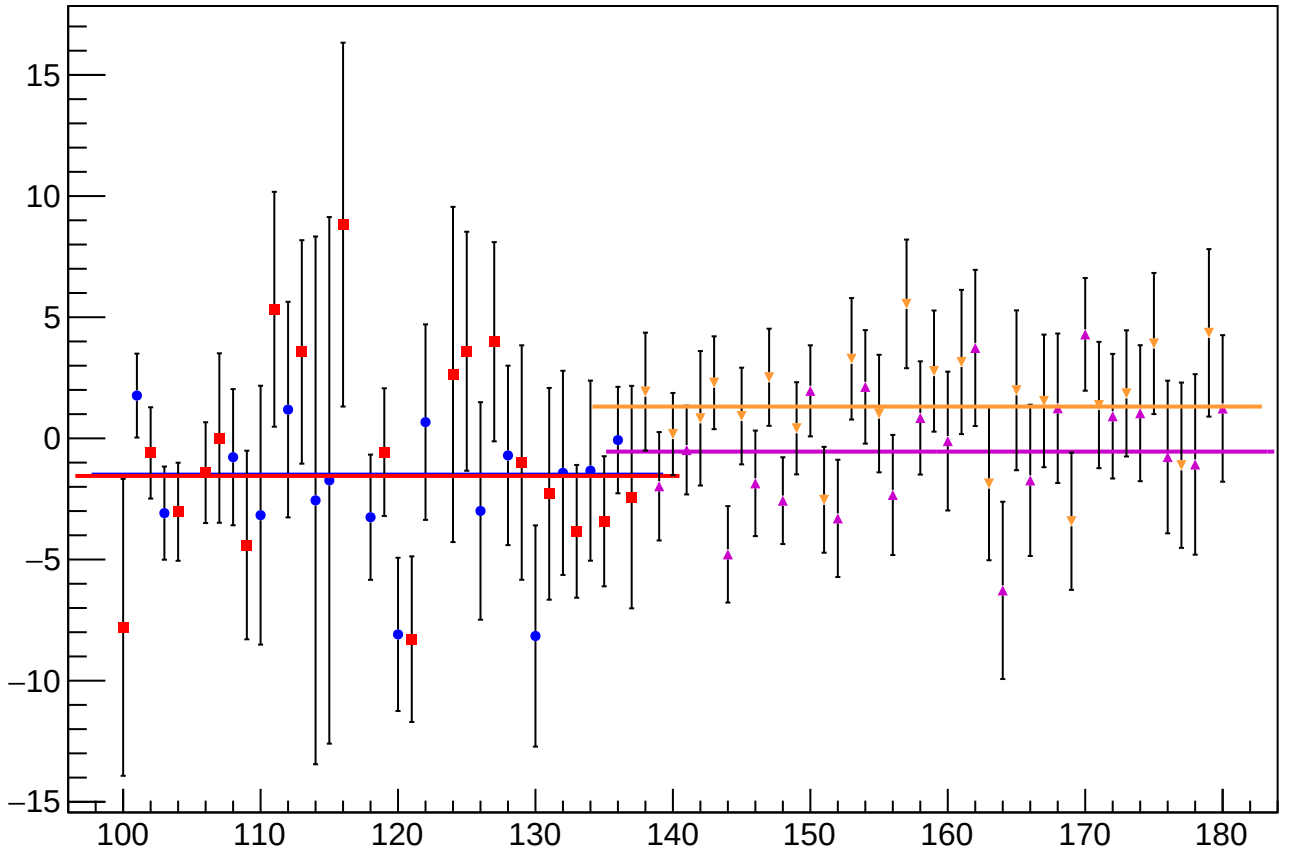
Left: 10739.385+/-1.301 χ^2/NDF: 856860.8/42

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11011.798+/-1.600 χ^2/NDF:1347631.0/36

Out: 10991.382+/-1.581 χ^2/NDF:1213319.0/40

All: 11001.467+/-1.125 χ^2/NDF: 2561032.4/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.313+/-0.521 χ^2/NDF:14.4/21

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.546+/-0.534 χ^2/NDF:21.9/20

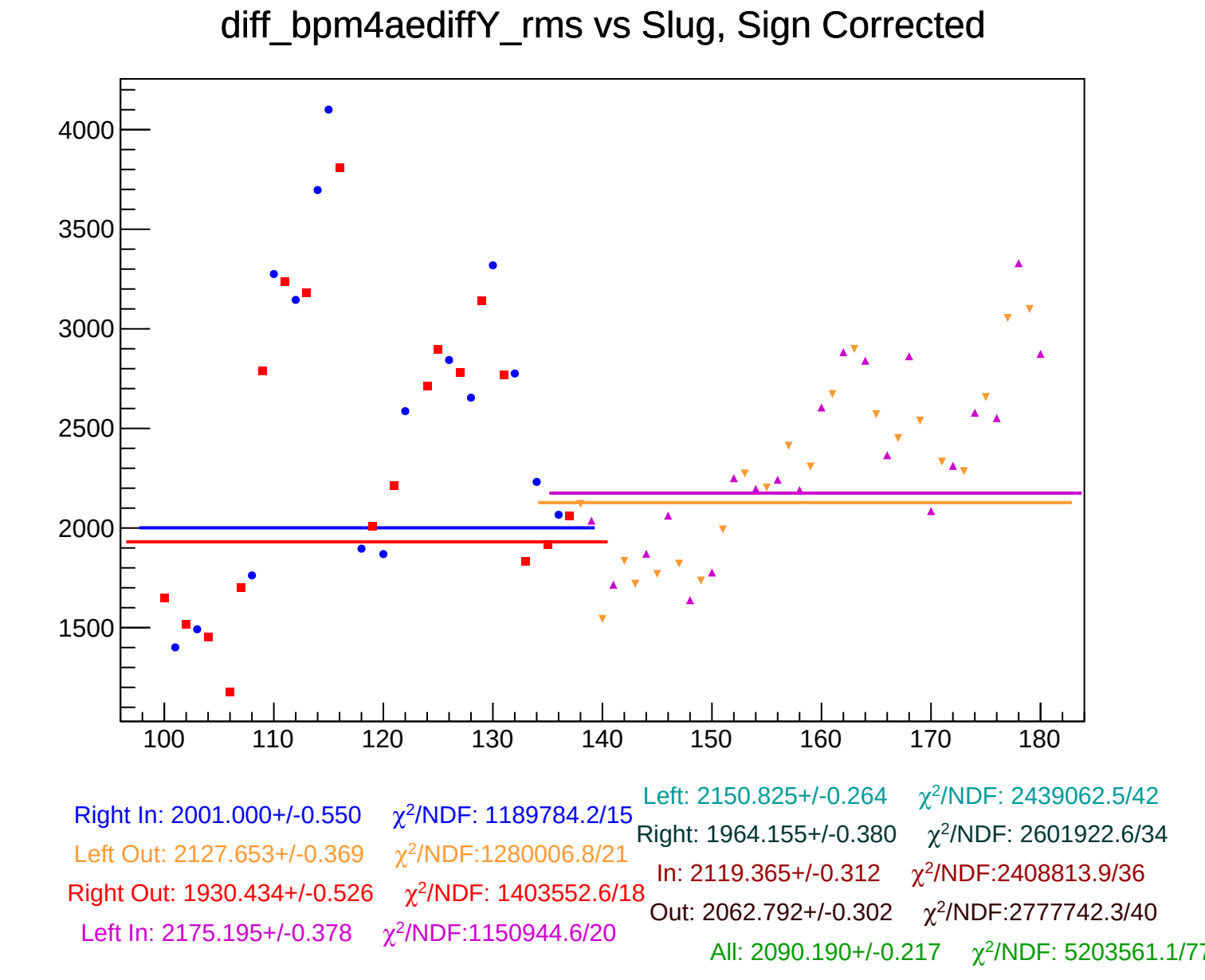
Left: 0.407+/-0.373 χ^2/NDF: 42.5/42

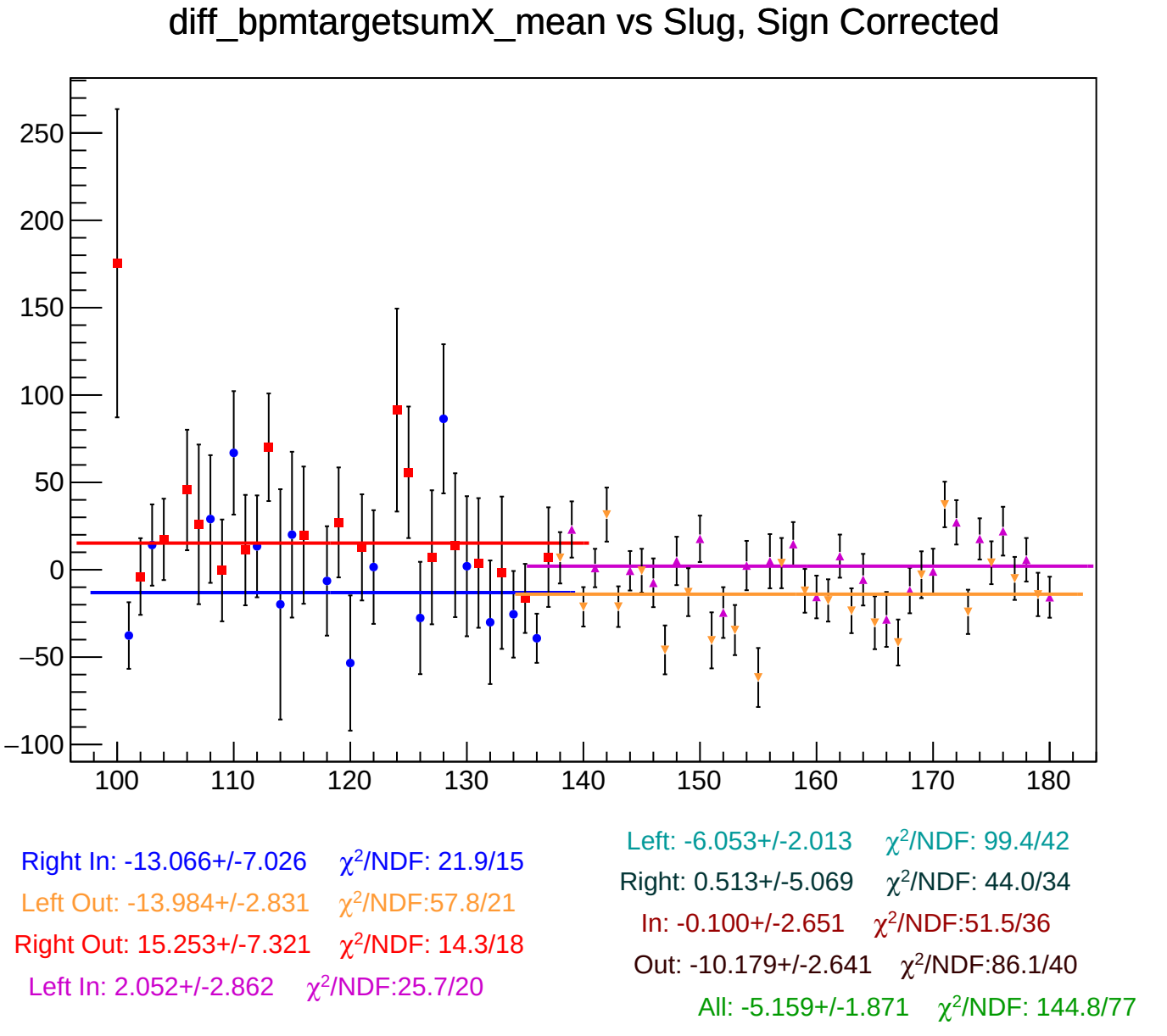
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.851+/-0.441 χ^2/NDF:35.5/36

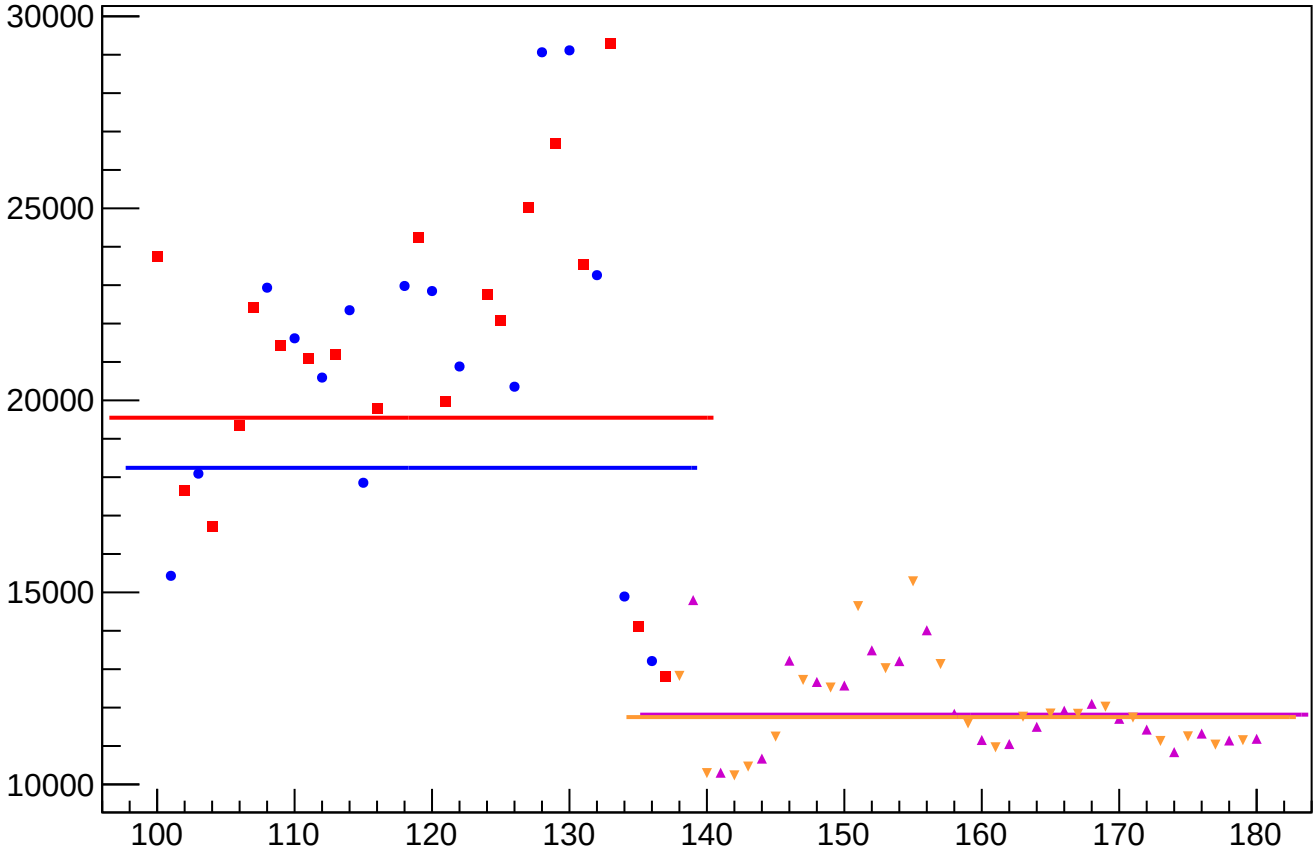
Out: 0.371+/-0.427 χ^2/NDF:40.6/40

All: -0.221+/-0.307 χ^2/NDF: 80.1/77


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2127.653+/-0.369 χ²/NDF:1280006.8/21
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2175.195+/-0.378 χ²/NDF:1150944.6/20
Left: 2150.825+/-0.264 χ²/NDF: 2439062.5/42
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2119.365+/-0.312 χ²/NDF:2408813.9/36
Out: 2062.792+/-0.302 χ²/NDF:2777742.3/40
All: 2090.190+/-0.217 χ²/NDF: 5203561.1/77


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -13.984+/-2.831 χ²/NDF:57.8/21
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 2.052+/-2.862 χ²/NDF:25.7/20
Left: -6.053+/-2.013 χ²/NDF: 99.4/42
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -0.100+/-2.651 χ²/NDF:51.5/36
Out: -10.179+/-2.641 χ²/NDF:86.1/40
All: -5.159+/-1.871 χ²/NDF: 144.8/77

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11752.878+/-2.002 χ^2/NDF:323272.2/21

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11816.351+/-2.024 χ^2/NDF:292824.2/20

Left: 11784.270+/-1.423 χ^2/NDF: 616593.5/42

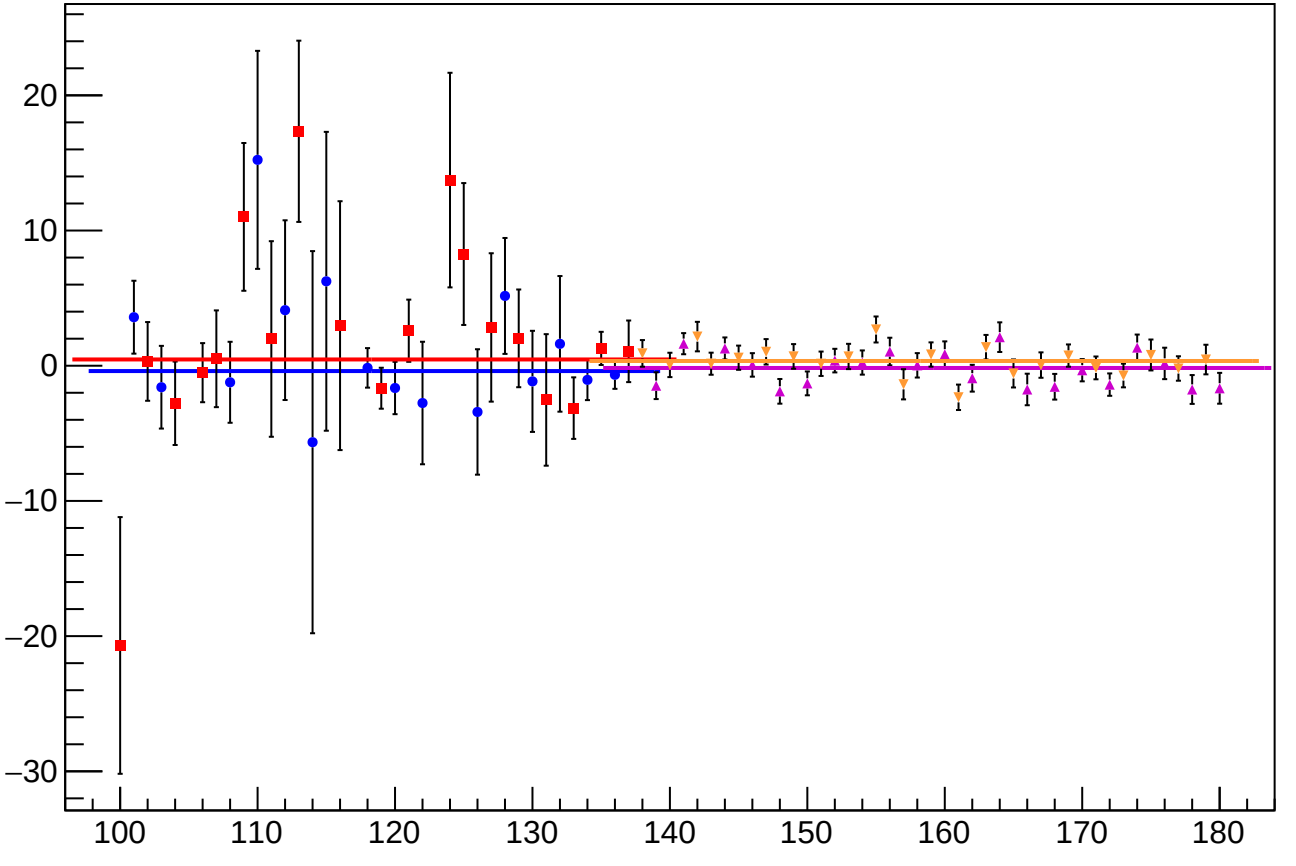
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12731.066+/-1.874 χ^2/NDF:2547828.0/36

Out: 12767.260+/-1.867 χ^2/NDF:2917768.0/40

All: 12749.232+/-1.323 χ^2/NDF: 5465783.2/7

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.351+/-0.200 χ^2/NDF:25.6/21

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.167+/-0.204 χ^2/NDF:36.3/20

Left: 0.098+/-0.143 χ^2/NDF: 65.3/42

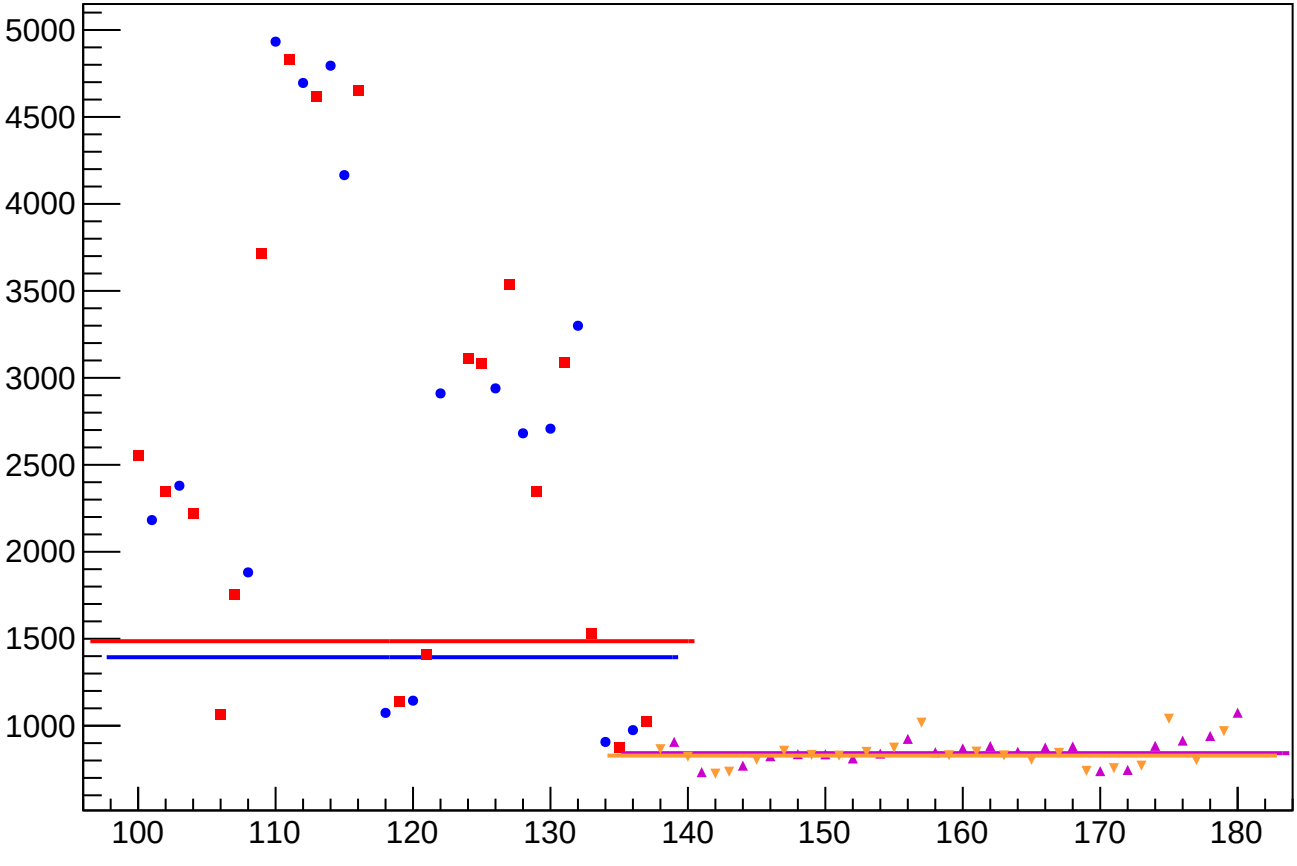
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.190+/-0.194 χ^2/NDF:46.9/36

Out: 0.361+/-0.190 χ^2/NDF:53.7/40

All: 0.090+/-0.136 χ^2/NDF: 104.7/77

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 828.185+/-0.141 χ^2/NDF:265635.3/21

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 842.303+/-0.145 χ^2/NDF:260125.9/20

Left: 835.073+/-0.101 χ^2/NDF: 530643.6/42

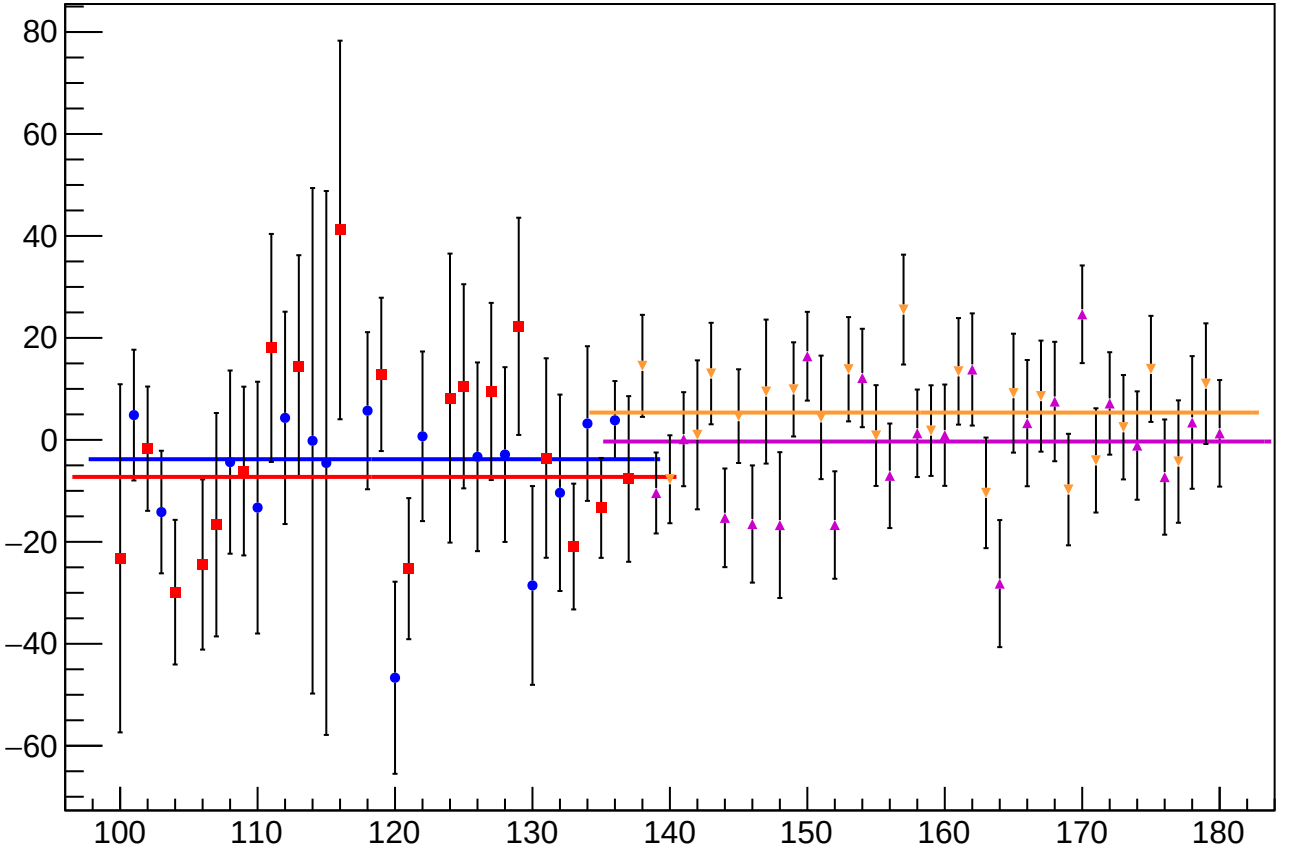
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 899.686+/-0.137 χ^2/NDF:5155013.1/36

Out: 887.515+/-0.135 χ^2/NDF:5623921.1/40

All: 893.500+/-0.096 χ^2/NDF: 10782953.5/77

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.360+/-2.242 χ^2/NDF:16.0/21

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.325+/-2.247 χ^2/NDF:30.6/20

Left: 2.524+/-1.587 χ^2/NDF: 49.8/42

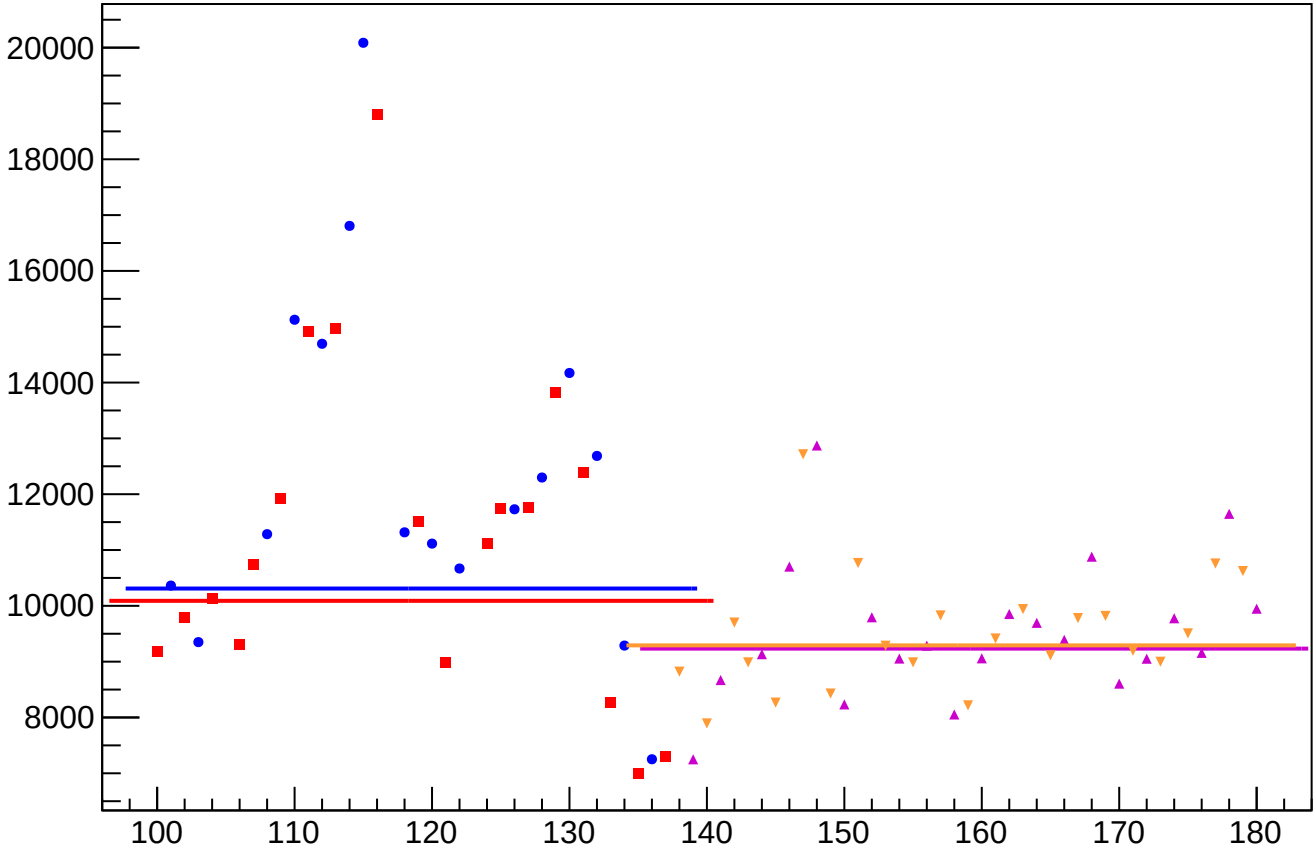
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.176+/-1.953 χ^2/NDF:41.2/36

Out: 2.108+/-1.932 χ^2/NDF:41.4/40

All: 0.484+/-1.373 χ^2/NDF: 84.1/77

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9291.623+/-1.586 χ^2/NDF:360524.5/21

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9233.532+/-1.589 χ^2/NDF:507627.0/20

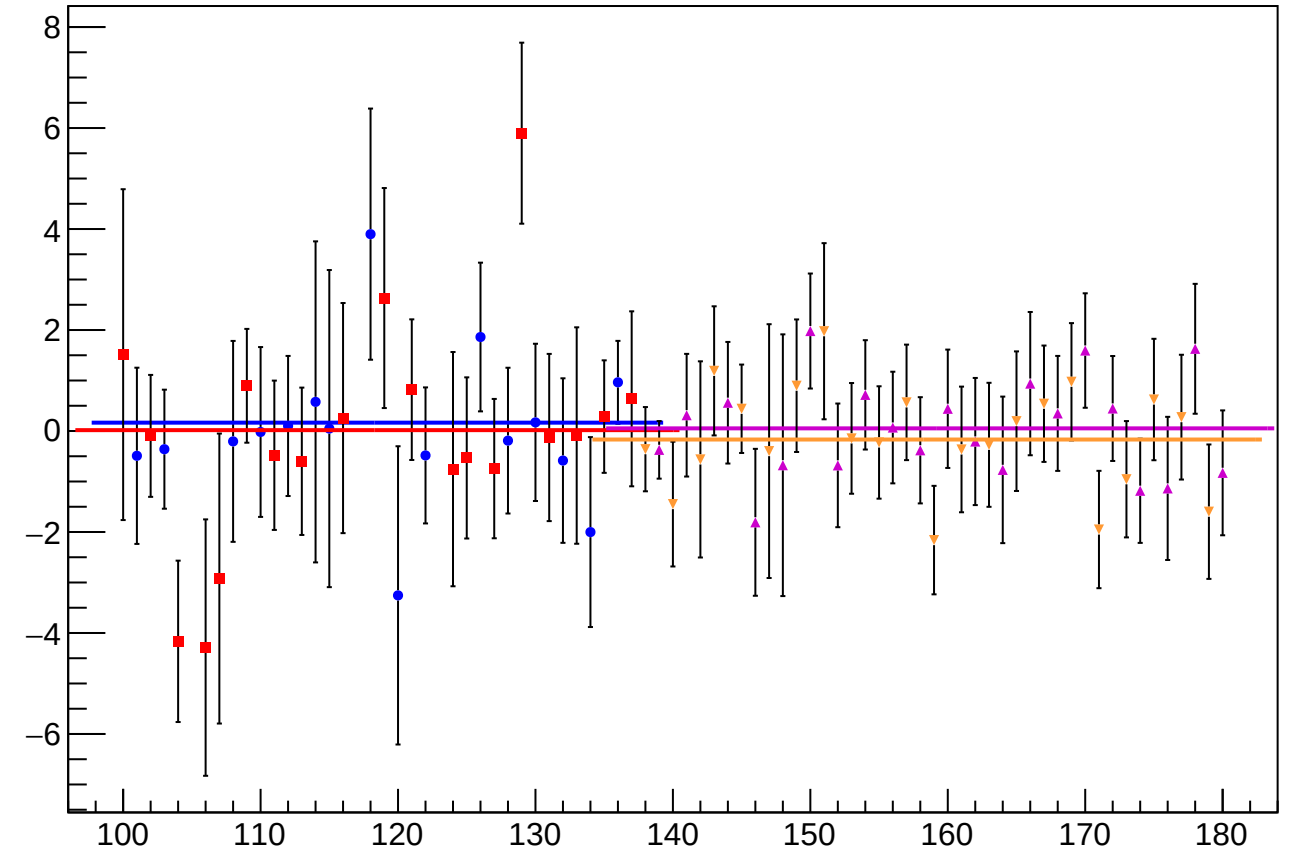
Left: 9262.644+/-1.122 χ^2/NDF: 868821.2/42

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9497.481+/-1.381 χ^2/NDF:1390647.6/36

Out: 9497.151+/-1.366 χ^2/NDF:1218550.1/40

All: 9497.314+/-0.971 χ^2/NDF: 2609197.7/77



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.169+/-0.255 χ^2/NDF:14.8/21

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.052+/-0.246 χ^2/NDF:13.3/20

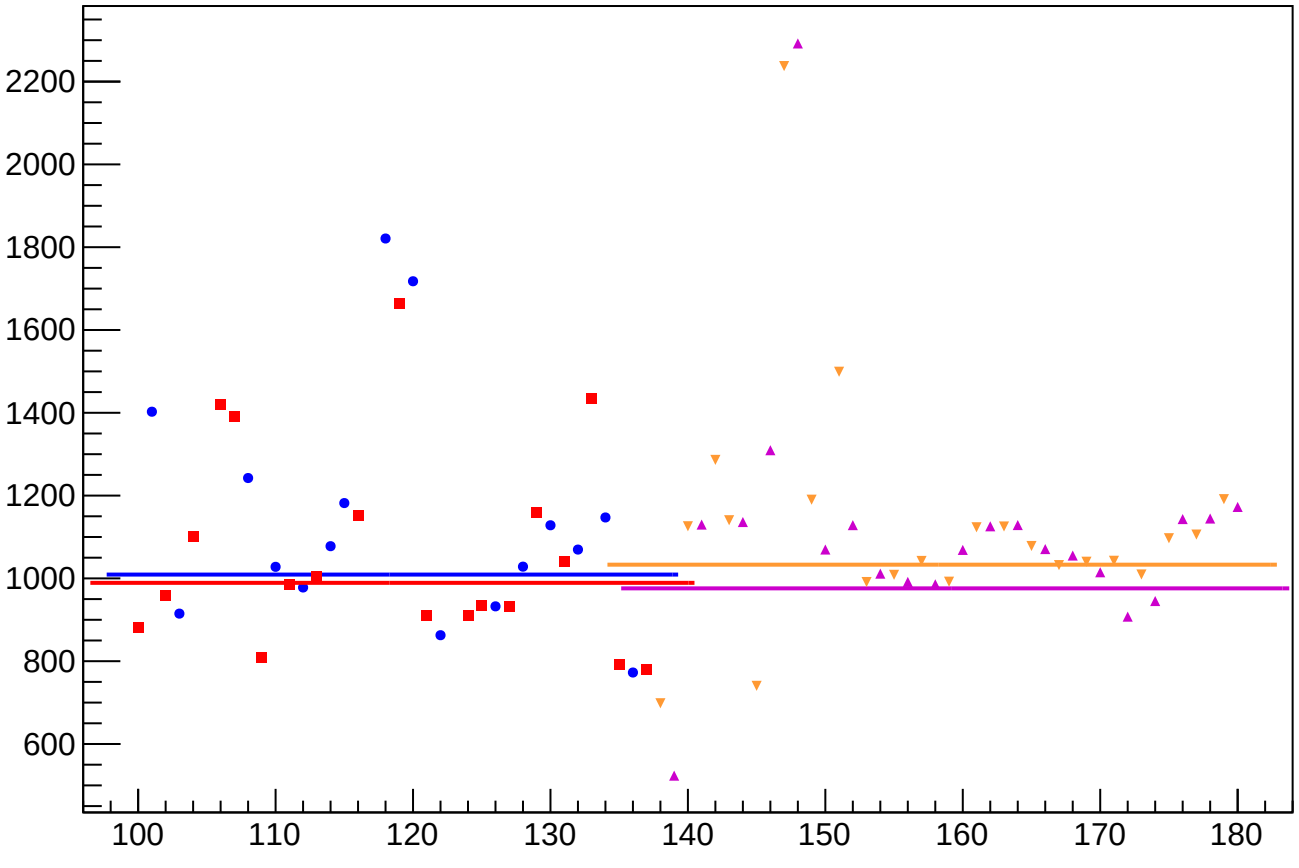
Left: -0.054+/-0.177 χ^2/NDF: 28.5/42

Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

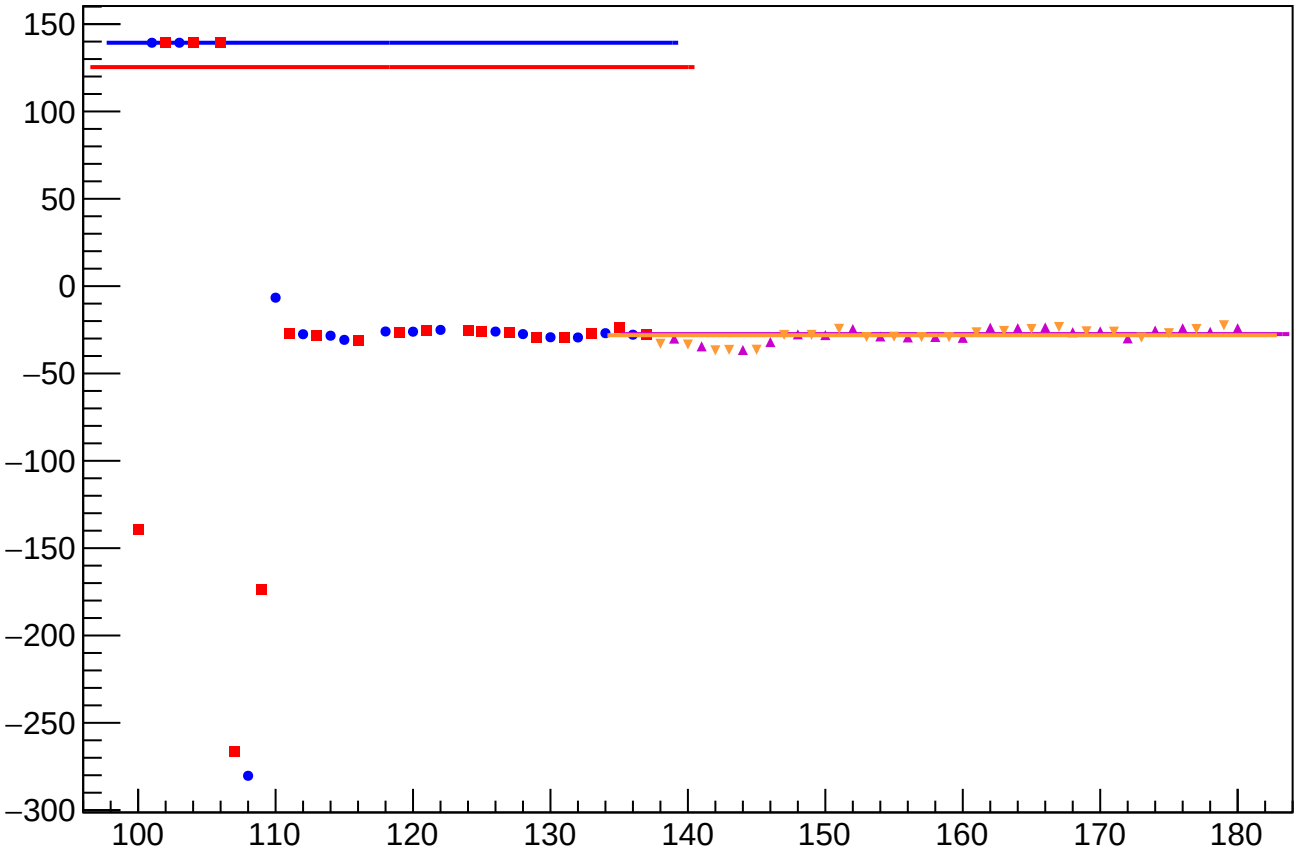
In: 0.085+/-0.207 χ^2/NDF:21.5/36

Out: -0.109+/-0.211 χ^2/NDF:40.1/40

All: -0.011+/-0.148 χ^2/NDF: 62.1/77


diff_bpmtargetdiffY_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
100
110
120
130
140
150
160
170
180
Right In: 1009.222+/-0.273 χ²/NDF: 699303.9/15
Left Out: 1033.132+/-0.181 χ²/NDF:1308413.8/21
Right Out: 989.246+/-0.263 χ²/NDF: 575759.9/18
Left In: 975.908+/-0.174 χ²/NDF:2201946.3/20
Left: 1003.414+/-0.125 χ²/NDF: 3562550.2/42
Right: 998.863+/-0.190 χ²/NDF: 1277836.8/34
In: 985.497+/-0.147 χ²/NDF:2911842.2/36
Out: 1019.094+/-0.149 χ²/NDF:1903081.6/40
All: 1002.033+/-0.104 χ²/NDF: 4840788.6/77

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.109+/-0.000 χ^2/NDF:174308923.2/21

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -27.456+/-0.000 χ^2/NDF:122985328.5/20

Left: -27.784+/-0.000 χ^2/NDF: 299181630.4/42

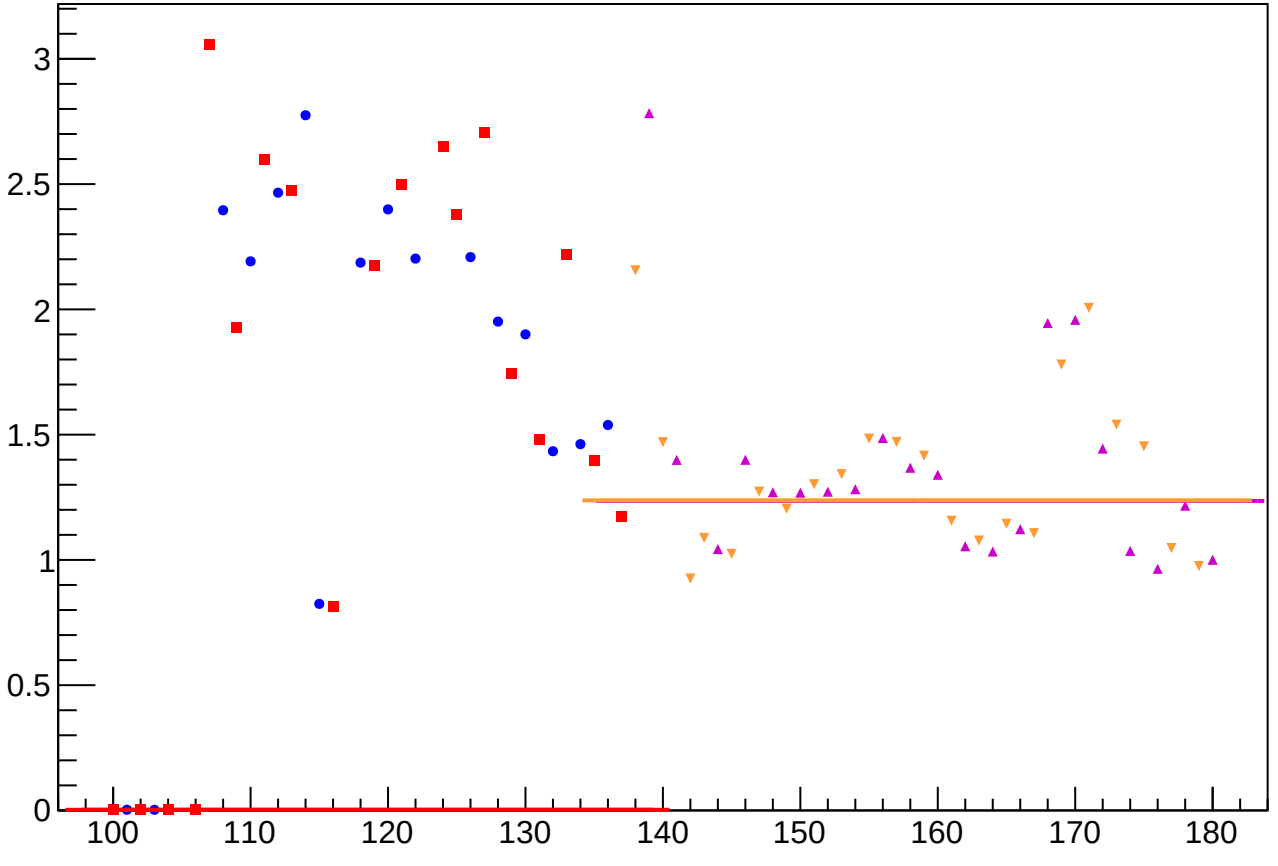
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.329+/-0.000 χ^2/NDF:292298562162.6/36

Out: 125.385+/-0.000 χ^2/NDF:774383319397974.

All: 131.811+/-0.000 χ^2/NDF: 79345676582

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:1126150.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.235+/-0.000 χ^2/NDF:1363006.3/20

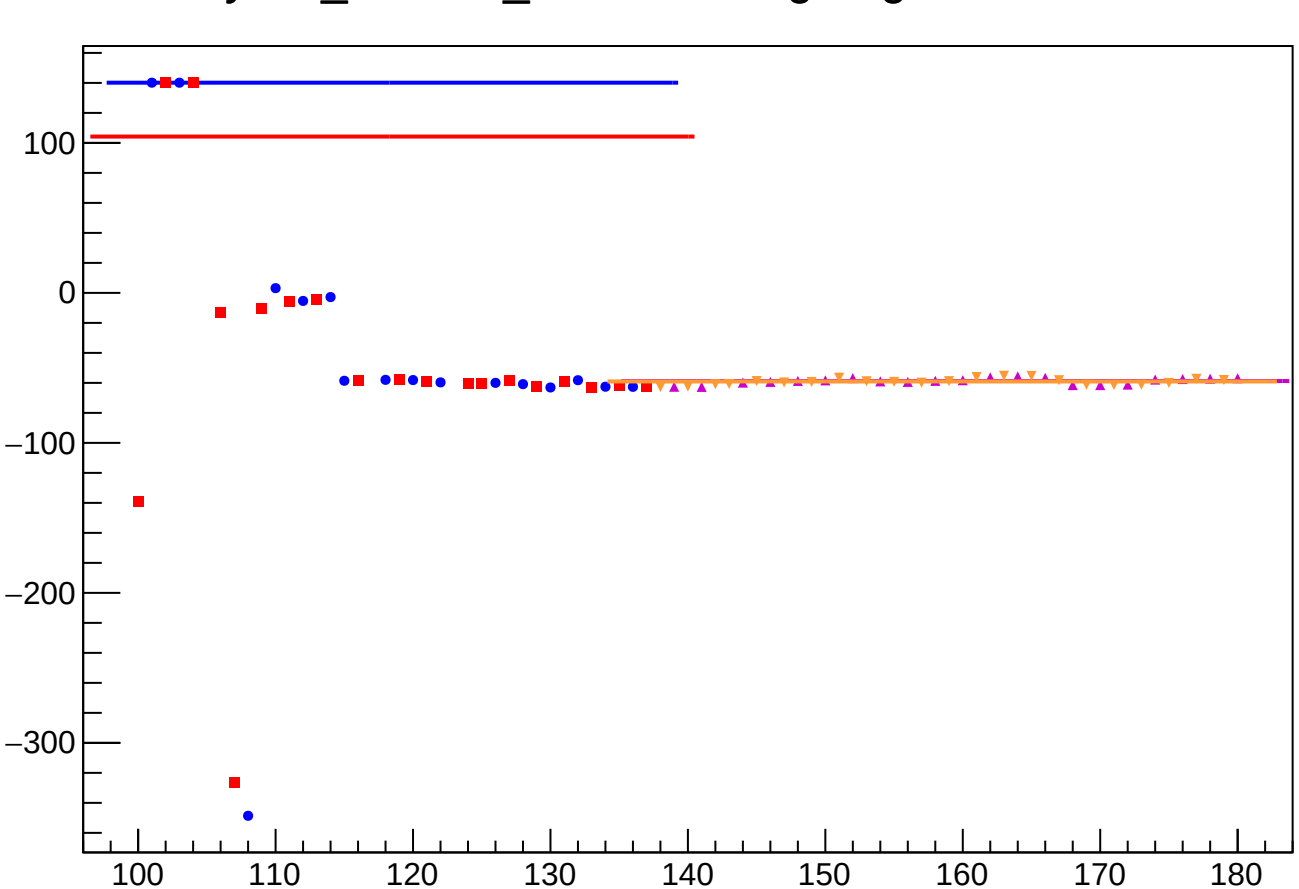
Left: 1.236+/-0.000 χ^2/NDF: 2489193.2/42

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

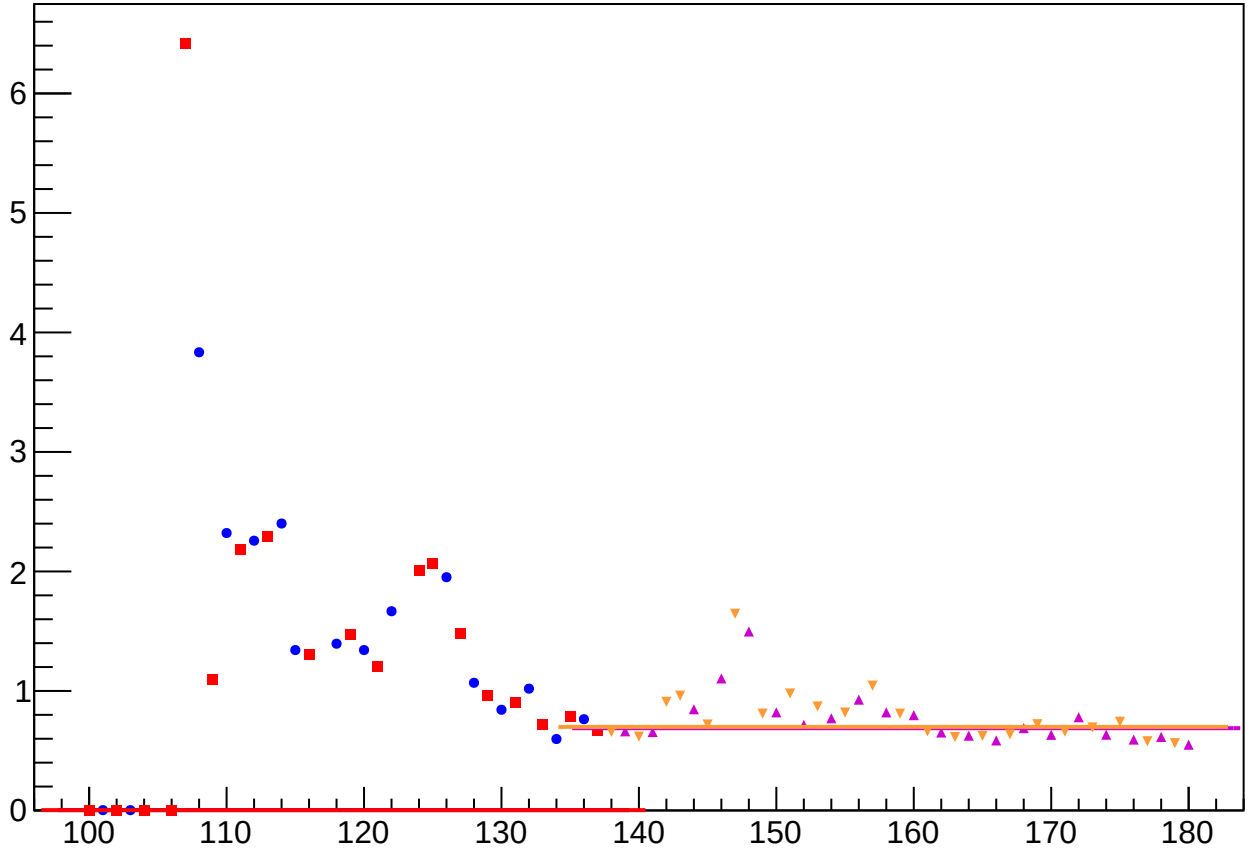
In: 0.003+/-0.000 χ^2/NDF:37705690.9/36

Out: 0.003+/-0.000 χ^2/NDF:38043184.3/40

All: 0.003+/-0.000 χ^2/NDF: 75749167.9/77


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.035+/-0.000 χ²/NDF:160578862.0/21
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -58.769+/-0.000 χ²/NDF:150508882.9/20
Left: -58.901+/-0.000 χ²/NDF: 312138264.2/42
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.110+/-0.000 χ²/NDF:1375509241565.4/36
Out: 104.201+/-0.000 χ²/NDF:1258184271209183
All: 120.804+/-0.000 χ²/NDF: 13828139168

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.699+/-0.000 χ^2/NDF:1225669.9/21

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.688+/-0.000 χ^2/NDF:1085969.5/20

Left: 0.694+/-0.000 χ^2/NDF: 2315178.3/42

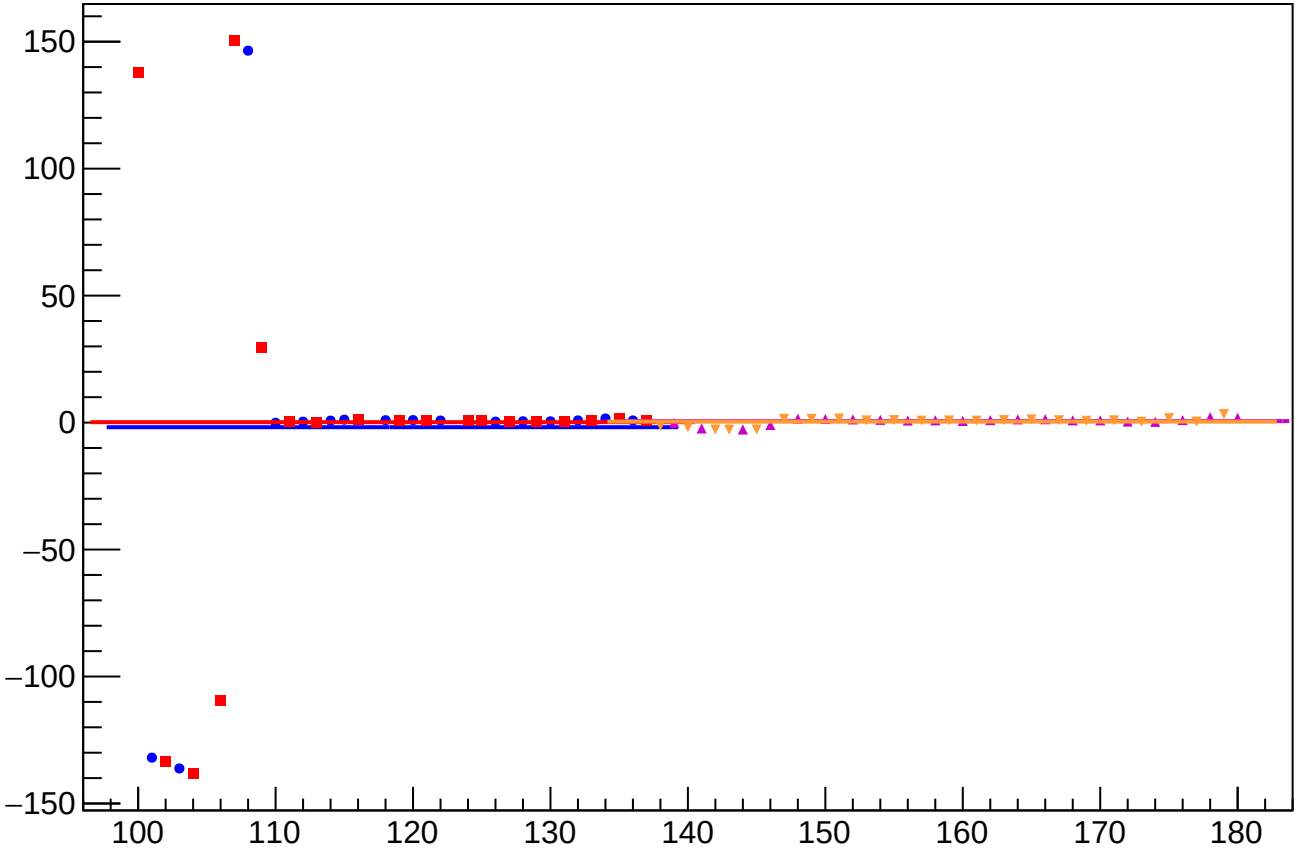
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:39894342.4/36

Out: 0.003+/-0.000 χ^2/NDF:39975799.9/40

All: 0.003+/-0.000 χ^2/NDF: 79870616.3/77

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.402+/-0.000 χ^2/NDF:138017571.6/21

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.583+/-0.000 χ^2/NDF:86291642.9/20

Left: 0.491+/-0.000 χ^2/NDF: 225180438.5/42

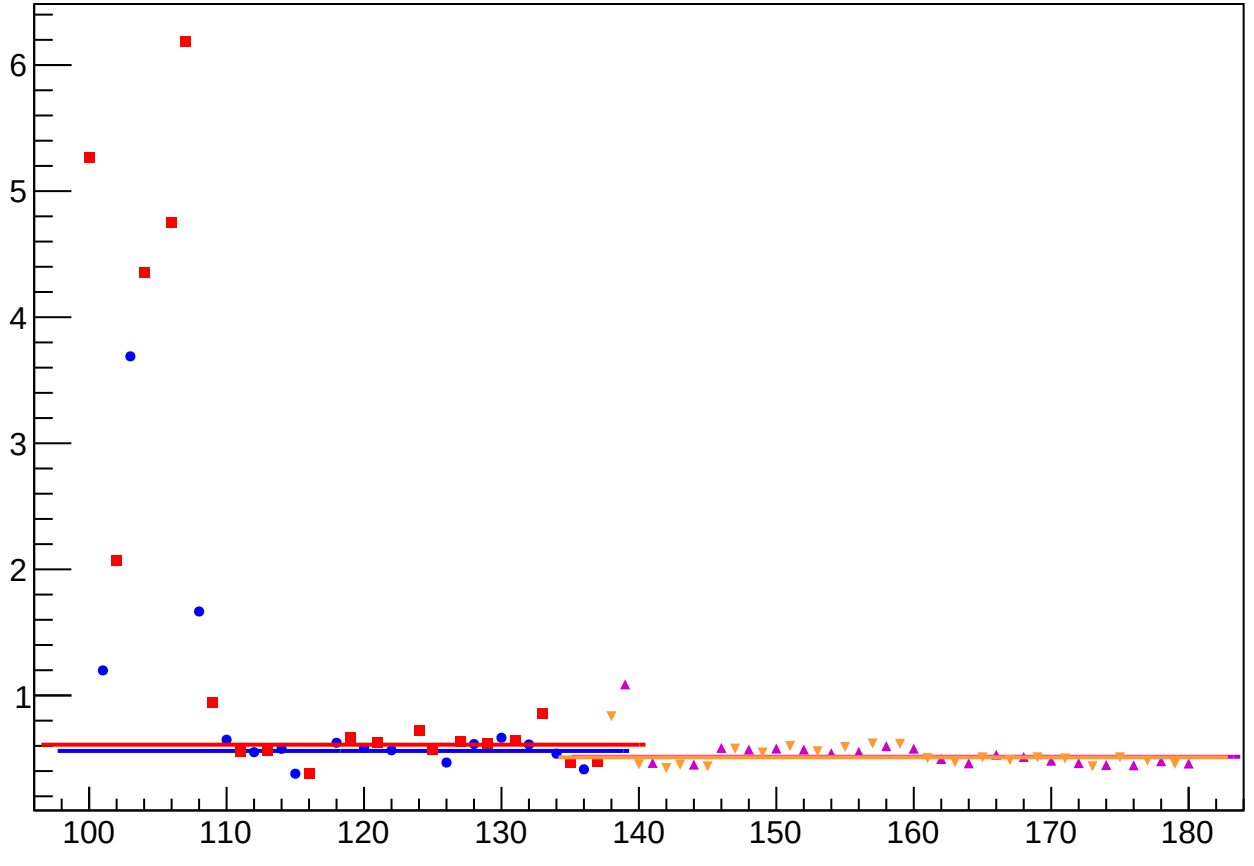
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: 0.018+/-0.000 χ^2/NDF:10044558923.0/36

Out: 0.355+/-0.000 χ^2/NDF:3749866250.6/40

All: 0.185+/-0.000 χ^2/NDF: 13798285954.5/7

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.509+/-0.000 χ^2/NDF:543260.5/21

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.513+/-0.000 χ^2/NDF:750588.9/20

Left: 0.511+/-0.000 χ^2/NDF: 1294901.9/42

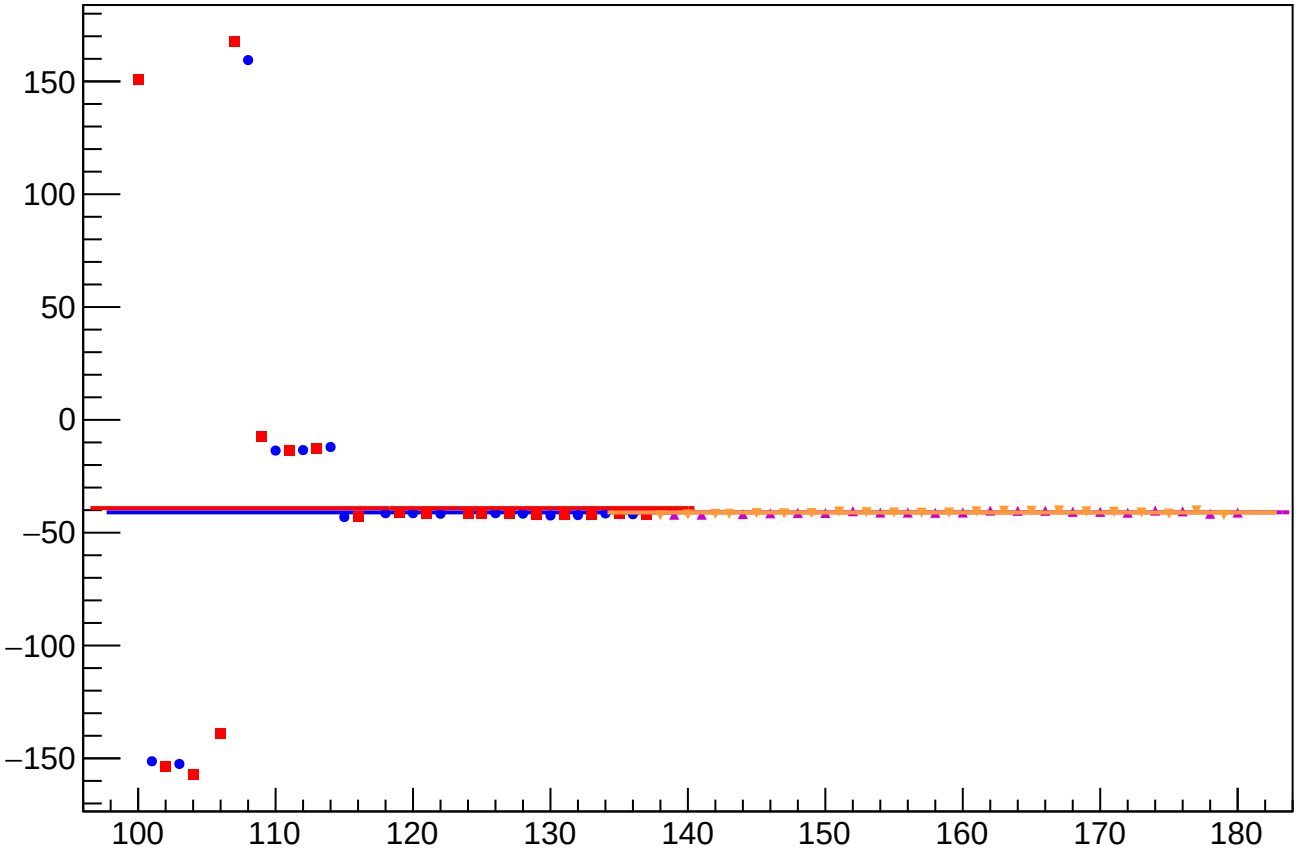
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.524+/-0.000 χ^2/NDF:2402141.3/36

Out: 0.529+/-0.000 χ^2/NDF:3235440.0/40

All: 0.527+/-0.000 χ^2/NDF: 5638982.3/77

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.041+/-0.000 χ^2/NDF:53893993.0/21

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.973+/-0.000 χ^2/NDF:37389704.0/20

Left: -41.007+/-0.000 χ^2/NDF: 91606466.4/42

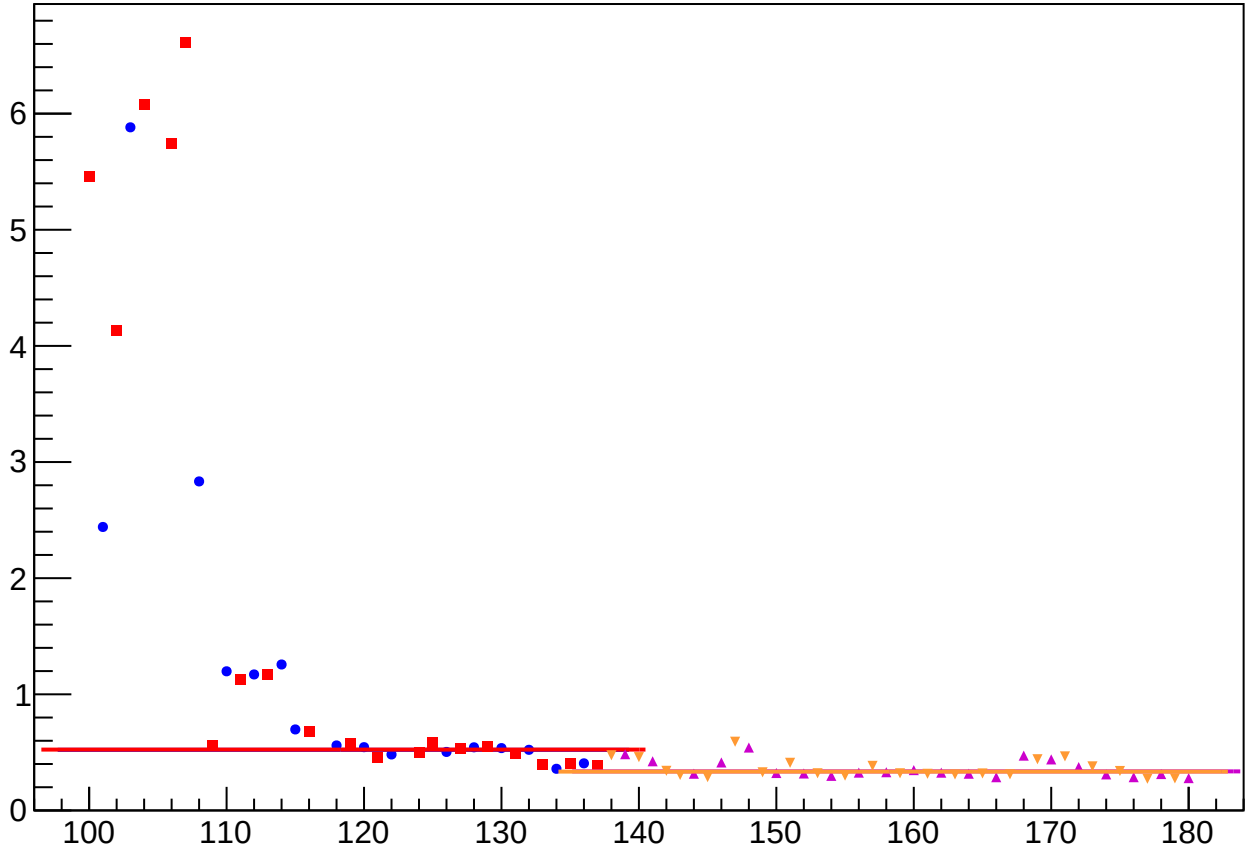
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.975+/-0.000 χ^2/NDF:3487014731.7/36

Out: -40.826+/-0.000 χ^2/NDF:2593935882.3/40

All: -40.900+/-0.000 χ^2/NDF: 6082732951.6/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.335+/-0.000 χ^2/NDF:1100981.3/21

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.336+/-0.000 χ^2/NDF:940869.8/20

Left: 0.335+/-0.000 χ^2/NDF: 2042330.0/42

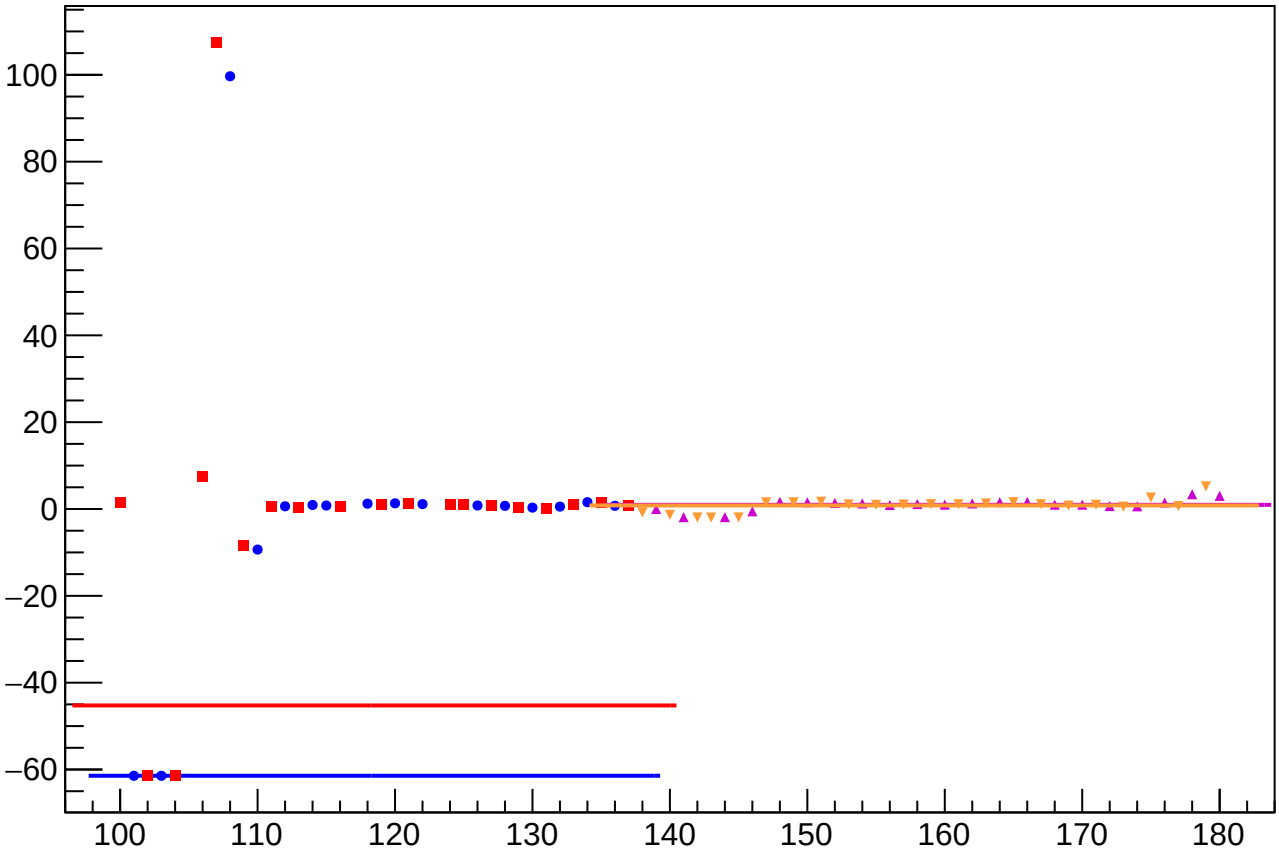
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.358+/-0.000 χ^2/NDF:5013893.9/36

Out: 0.356+/-0.000 χ^2/NDF:5507724.4/40

All: 0.357+/-0.000 χ^2/NDF: 10522547.5/77

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.826+/-0.000 χ^2/NDF:209362196.5/21

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.961+/-0.000 χ^2/NDF:128275125.8/20

Left: 0.892+/-0.000 χ^2/NDF: 338310860.8/42

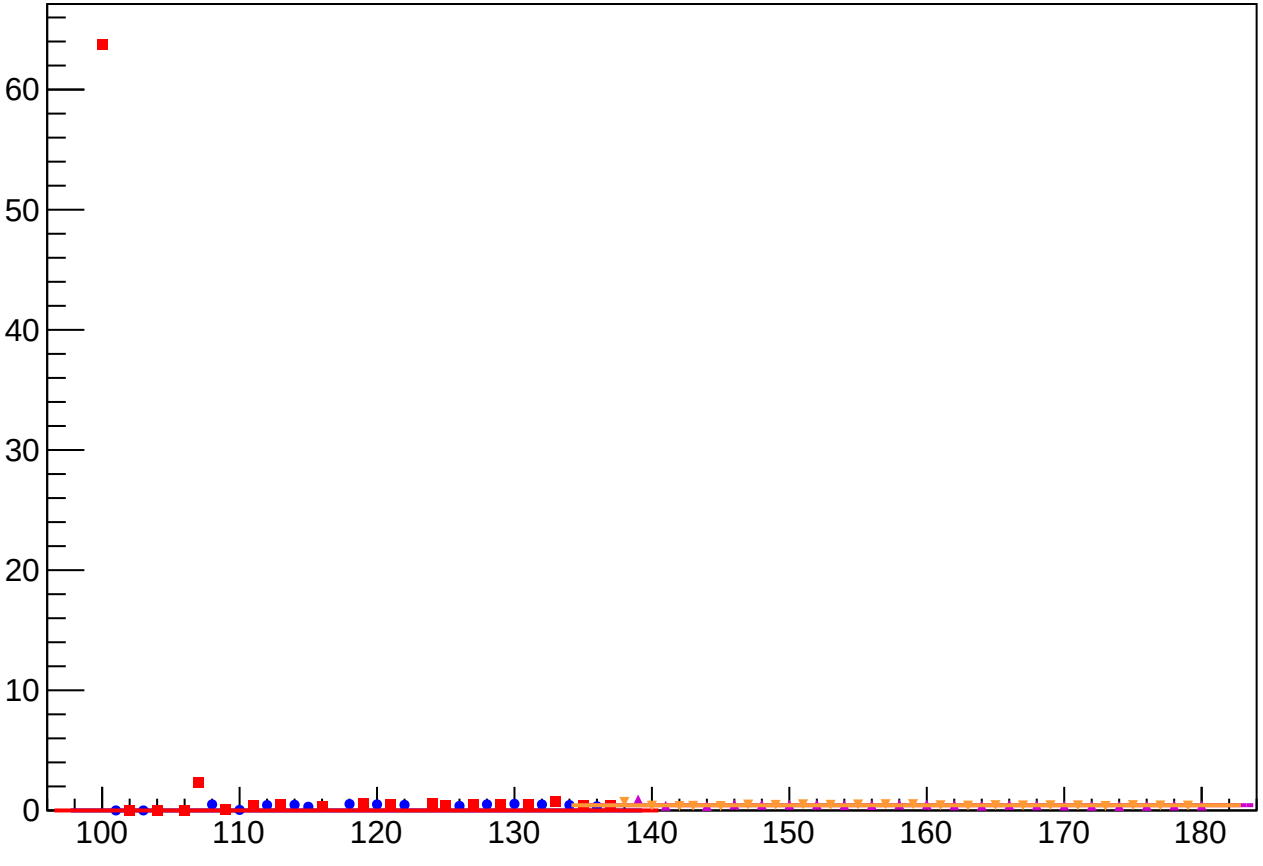
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.424+/-0.000 χ^2/NDF:555214202544.6/36

Out: -45.237+/-0.000 χ^2/NDF:358030528429508.2

All: -52.739+/-0.000 χ^2/NDF: 409547251686

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:520789.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.439+/-0.000 χ^2/NDF:694038.4/20

Left: 0.435+/-0.000 χ^2/NDF: 1217802.8/42

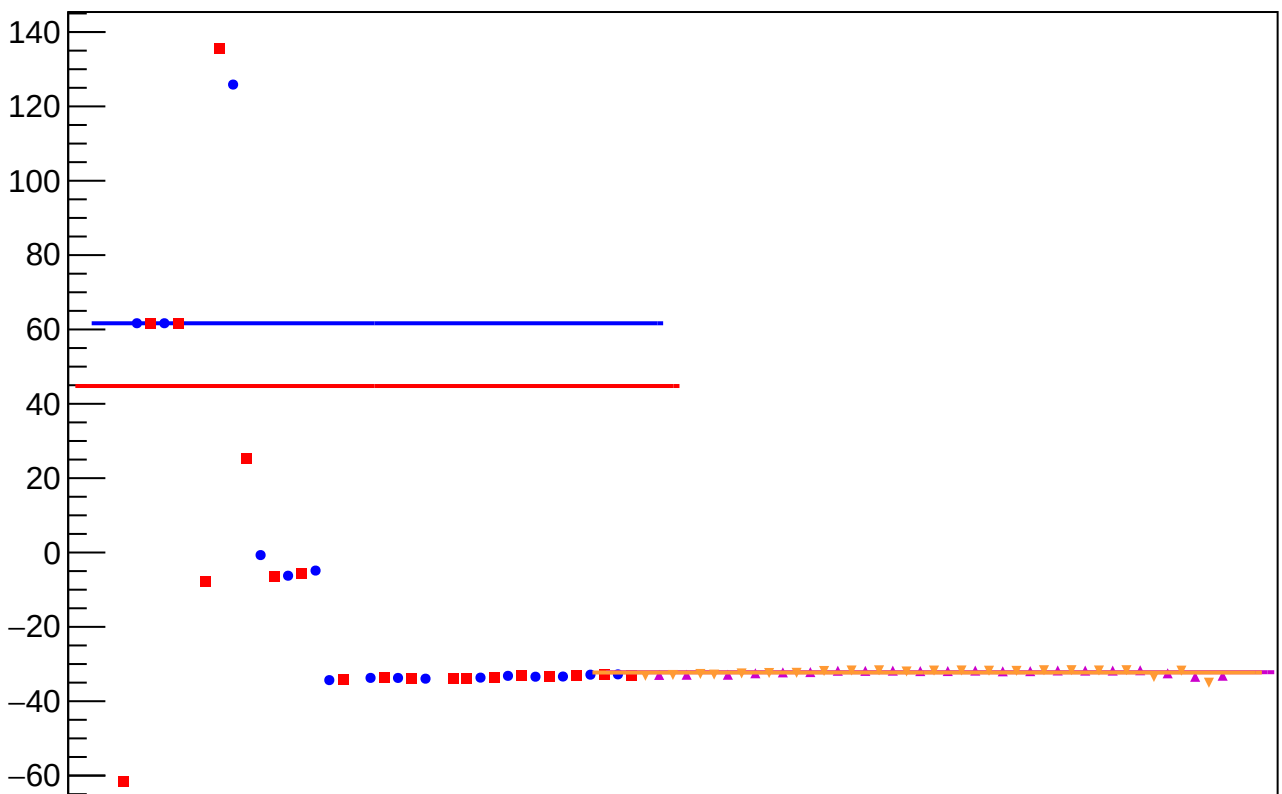
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:37483038.8/36

Out: 0.002+/-0.000 χ^2/NDF:37834827.9/40

All: 0.002+/-0.000 χ^2/NDF: 75317924.9/77

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.277+/-0.000 χ^2/NDF:141517341.0/21

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.196+/-0.000 χ^2/NDF:58004783.6/20

Left: -32.237+/-0.000 χ^2/NDF: 200170931.1/42

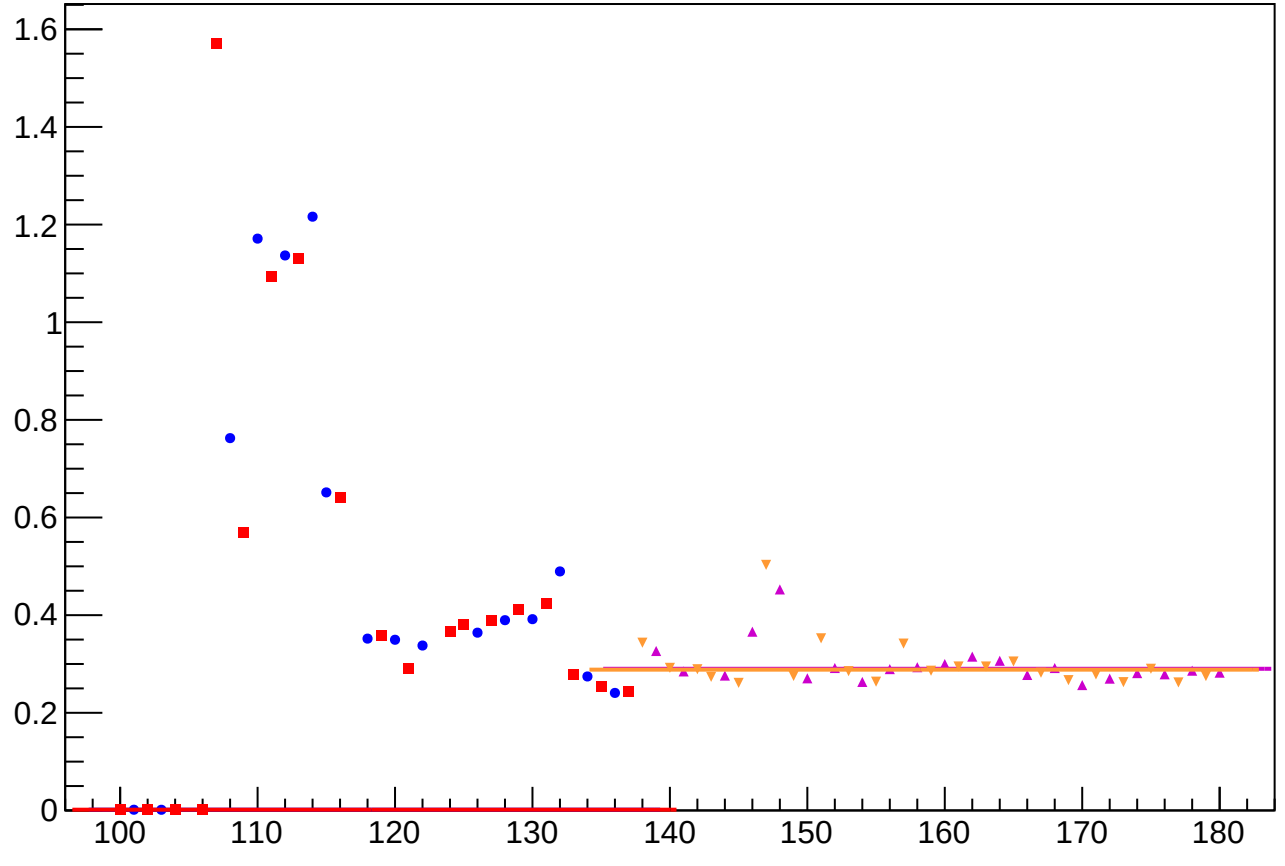
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.608+/-0.000 χ^2/NDF:2087358171165.9/36

Out: 44.745+/-0.000 χ^2/NDF:367280576862238.3

All: 52.642+/-0.000 χ^2/NDF: 4204146649271

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.288+/-0.000 χ^2/NDF:510650.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.290+/-0.000 χ^2/NDF:385417.3/20

Left: 0.289+/-0.000 χ^2/NDF: 896695.6/42

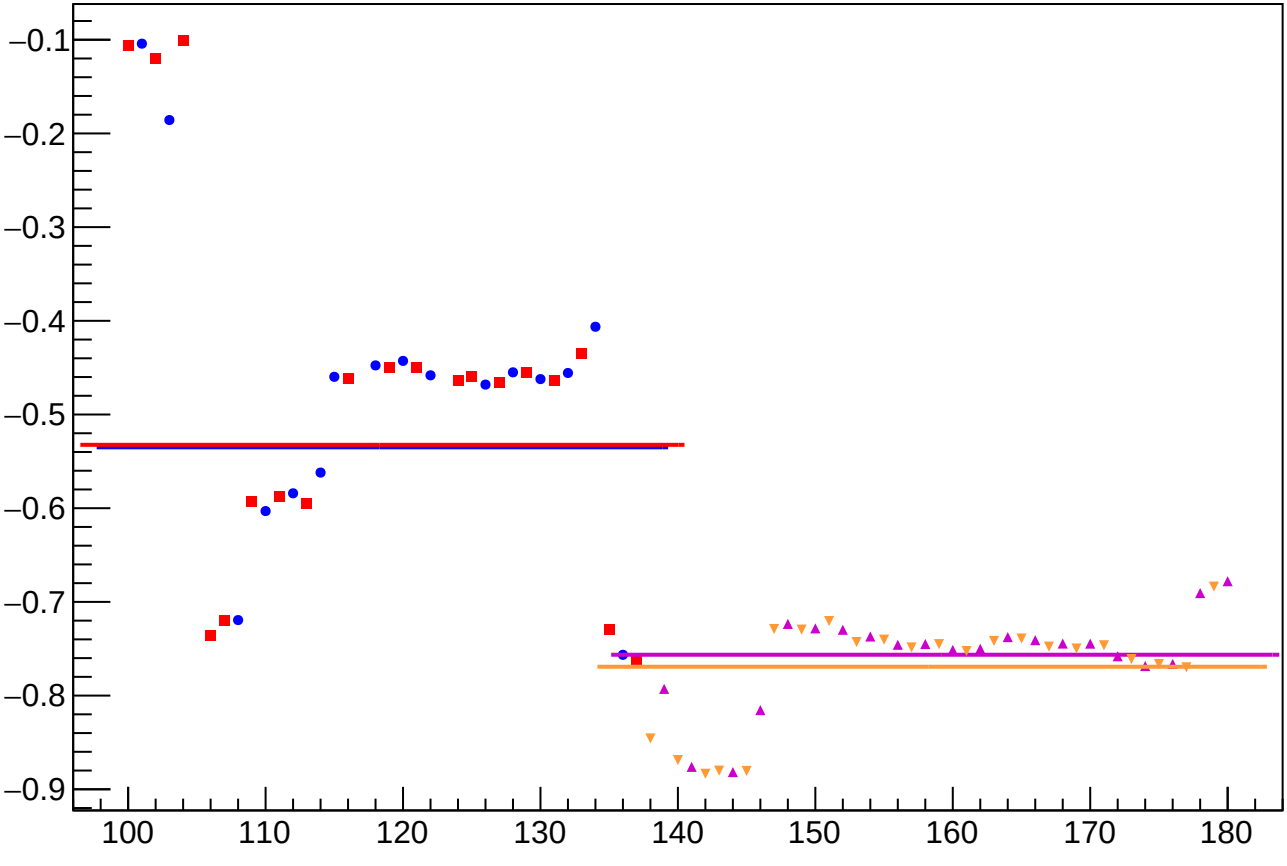
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:43905357.3/36

Out: 0.002+/-0.000 χ^2/NDF:43925850.3/40

All: 0.002+/-0.000 χ^2/NDF: 87831208.5/77

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.769+/-0.000 χ^2/NDF:131964170.2/21

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.756+/-0.000 χ^2/NDF:109015757.7/20

Left: -0.763+/-0.000 χ^2/NDF: 244269697.6/42

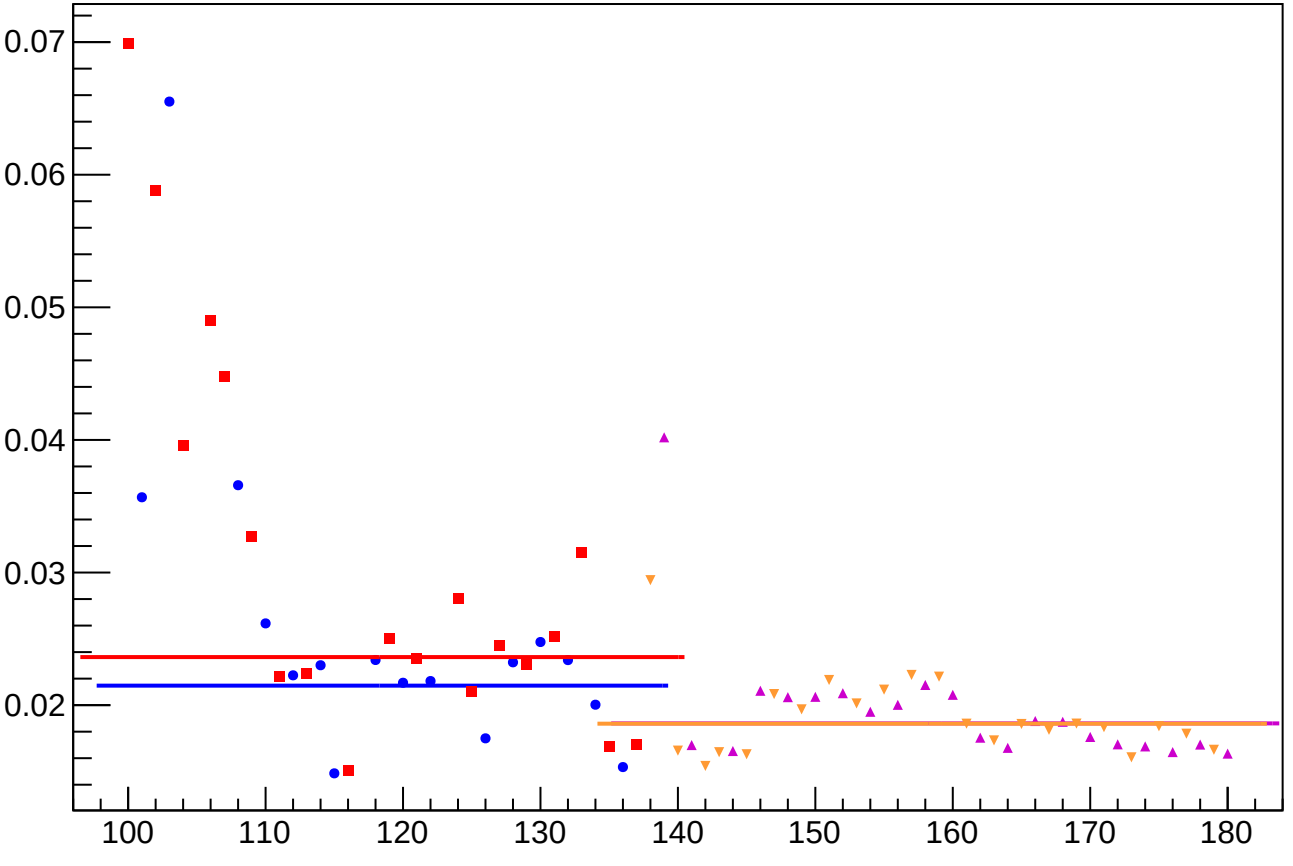
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.706+/-0.000 χ^2/NDF:850702783.4/36

Out: -0.722+/-0.000 χ^2/NDF:795839040.0/40

All: -0.714+/-0.000 χ^2/NDF: 1653124623.4/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:476657.5/21

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:738099.9/20

Left: 0.019+/-0.000 χ^2/NDF: 1214776.6/42

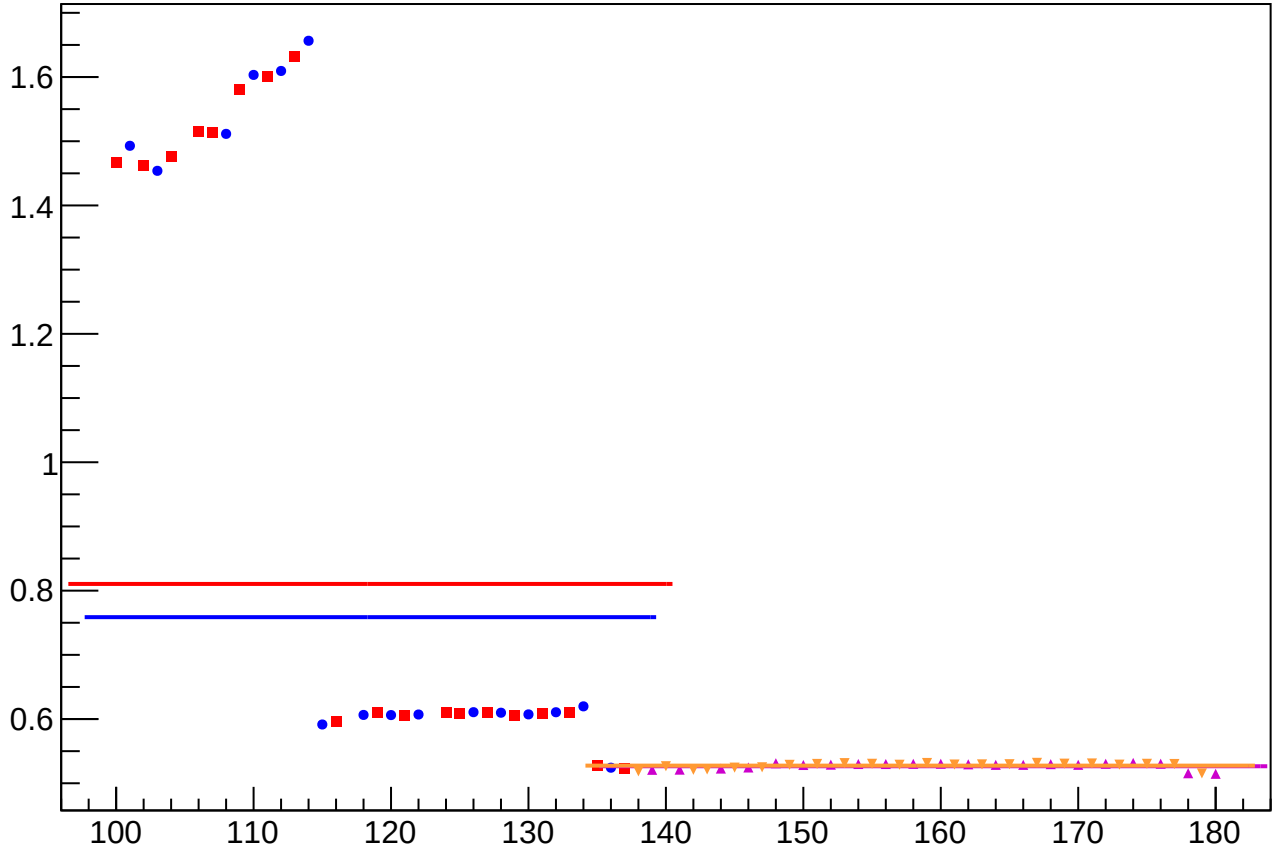
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:2037901.5/36

Out: 0.020+/-0.000 χ^2/NDF:2158418.5/40

All: 0.019+/-0.000 χ^2/NDF: 4201771.8/77

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:2538891.7/21

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.526+/-0.000 χ^2/NDF:3278633.3/20

Left: 0.527+/-0.000 χ^2/NDF: 5874494.5/42

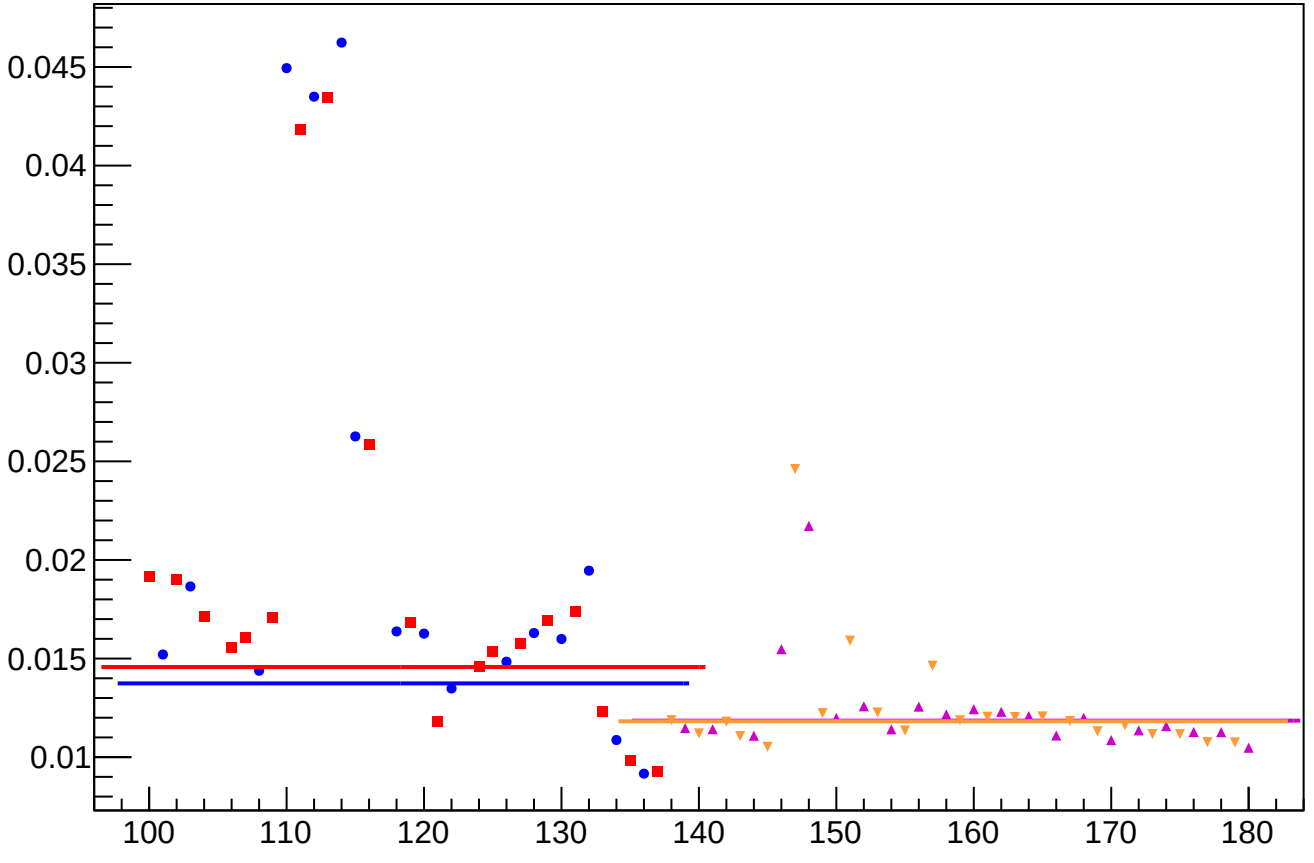
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.576+/-0.000 χ^2/NDF:5648084396.1/36

Out: 0.583+/-0.000 χ^2/NDF:6659761268.5/40

All: 0.579+/-0.000 χ^2/NDF: 12312346389.9/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:680177.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:507256.9/20

Left: 0.012+/-0.000 χ^2/NDF: 1187553.7/42

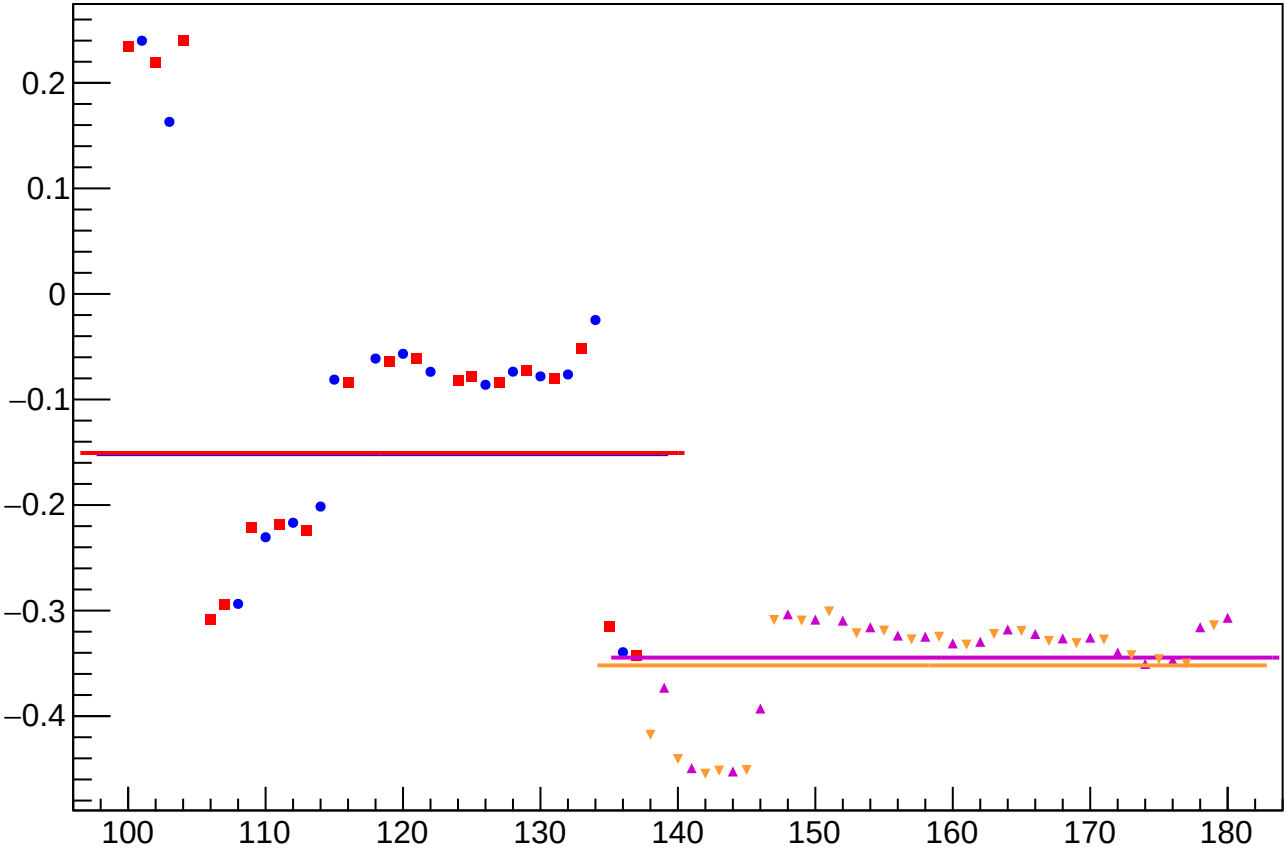
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2334651.3/36

Out: 0.012+/-0.000 χ^2/NDF:2492458.4/40

All: 0.012+/-0.000 χ^2/NDF: 4828989.1/77

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:111093989.0/21

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.345+/-0.000 χ^2/NDF:82549424.3/20

Left: -0.348+/-0.000 χ^2/NDF: 194777546.8/42

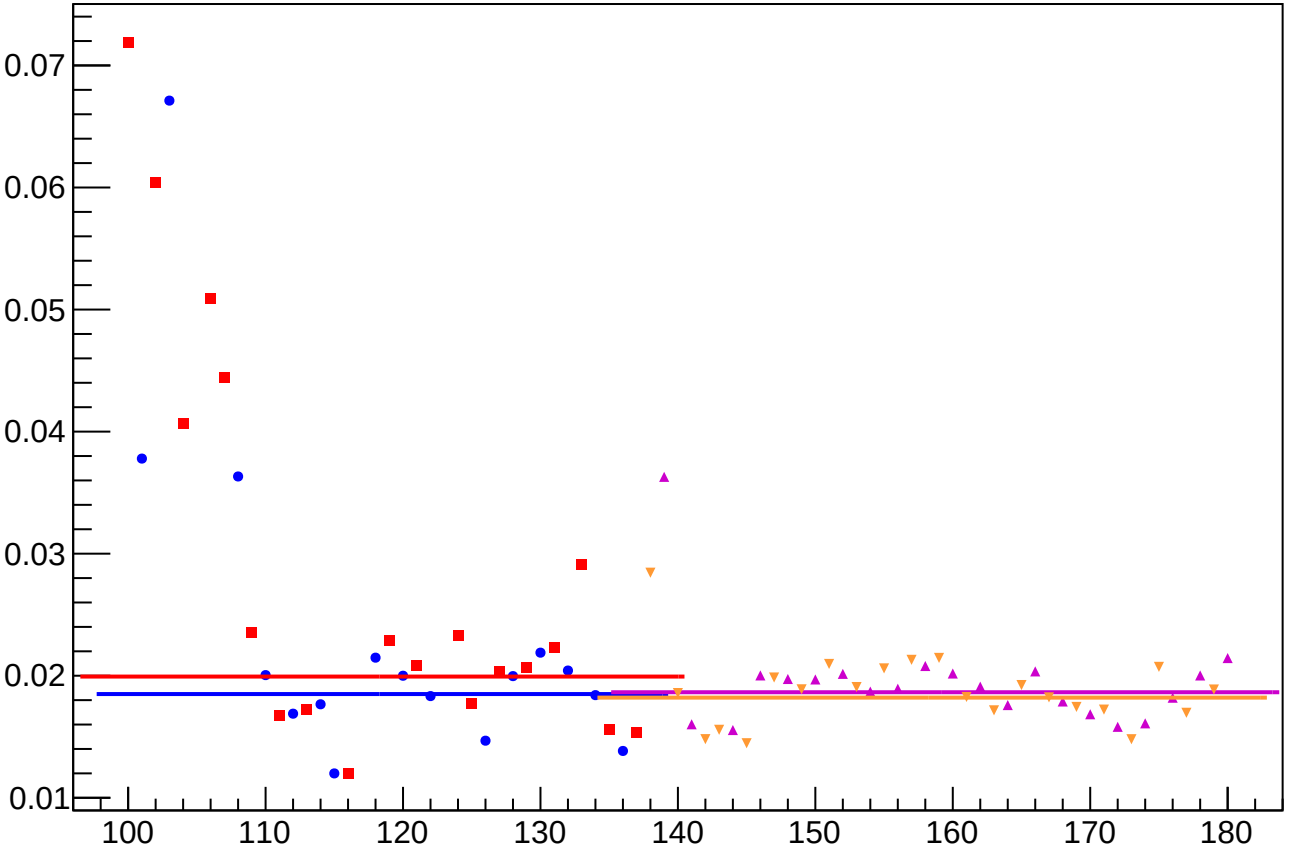
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.291+/-0.000 χ^2/NDF:774039765.7/36

Out: -0.303+/-0.000 χ^2/NDF:731120700.1/40

All: -0.297+/-0.000 χ^2/NDF: 1509063452.1/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:547888.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:673003.4/20

Left: 0.018+/-0.000 χ^2/NDF: 1228992.5/42

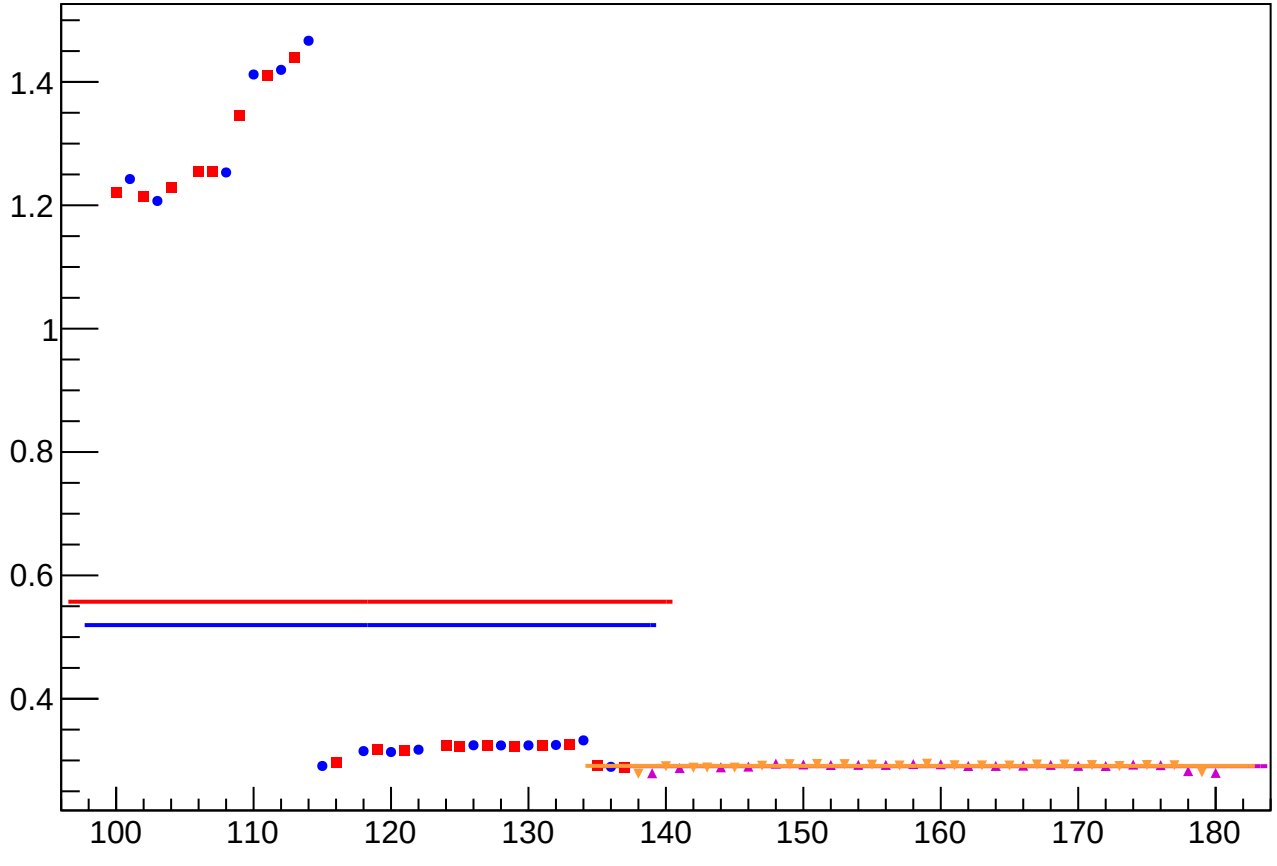
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2045857.2/36

Out: 0.019+/-0.000 χ^2/NDF:2157275.8/40

All: 0.019+/-0.000 χ^2/NDF: 4203151.2/77

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1848056.8/21

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:2256045.7/20

Left: 0.291+/-0.000 χ^2/NDF: 4122487.2/42

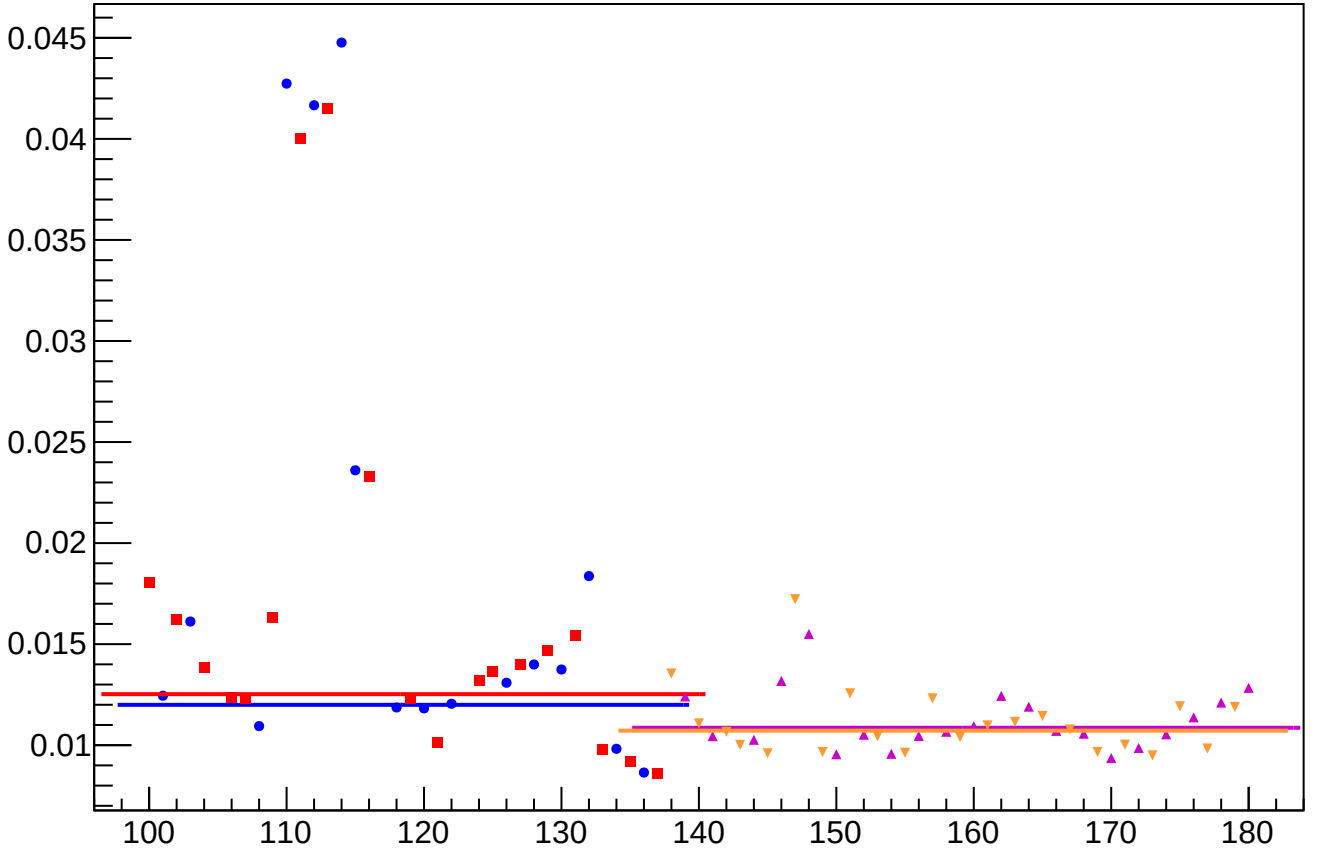
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.343+/-0.000 χ^2/NDF:7989738413.5/36

Out: 0.348+/-0.000 χ^2/NDF:8923483274.6/40

All: 0.346+/-0.000 χ^2/NDF: 16915138718.1/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:531237.4/21

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:451251.7/20

Left: 0.011+/-0.000 χ^2/NDF: 985356.9/42

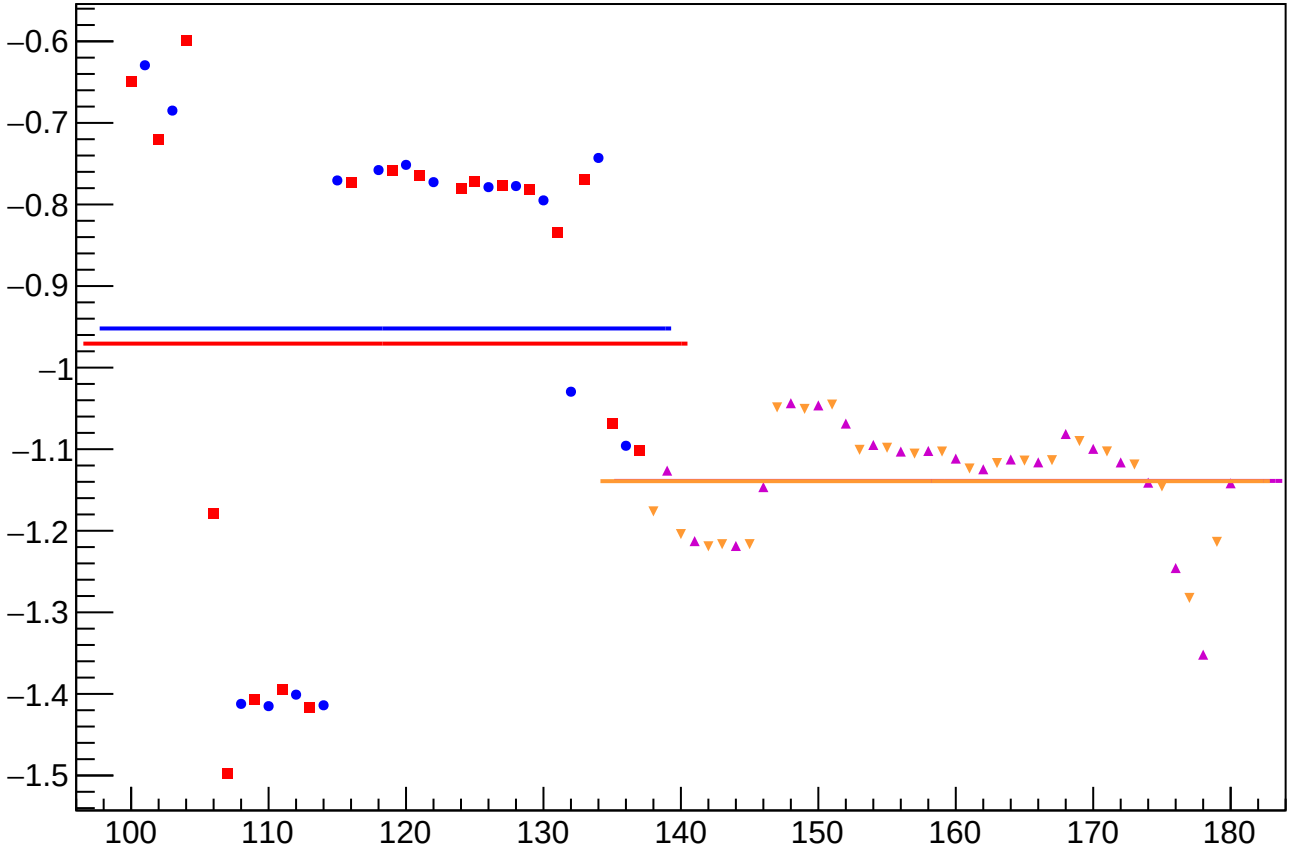
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:2025035.7/36

Out: 0.011+/-0.000 χ^2/NDF:2165749.2/40

All: 0.011+/-0.000 χ^2/NDF: 4190849.6/77

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.139+/-0.000 χ^2/NDF:167201407.3/21

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.139+/-0.000 χ^2/NDF:220502673.9/20

Left: -1.139+/-0.000 χ^2/NDF: 387705922.9/42

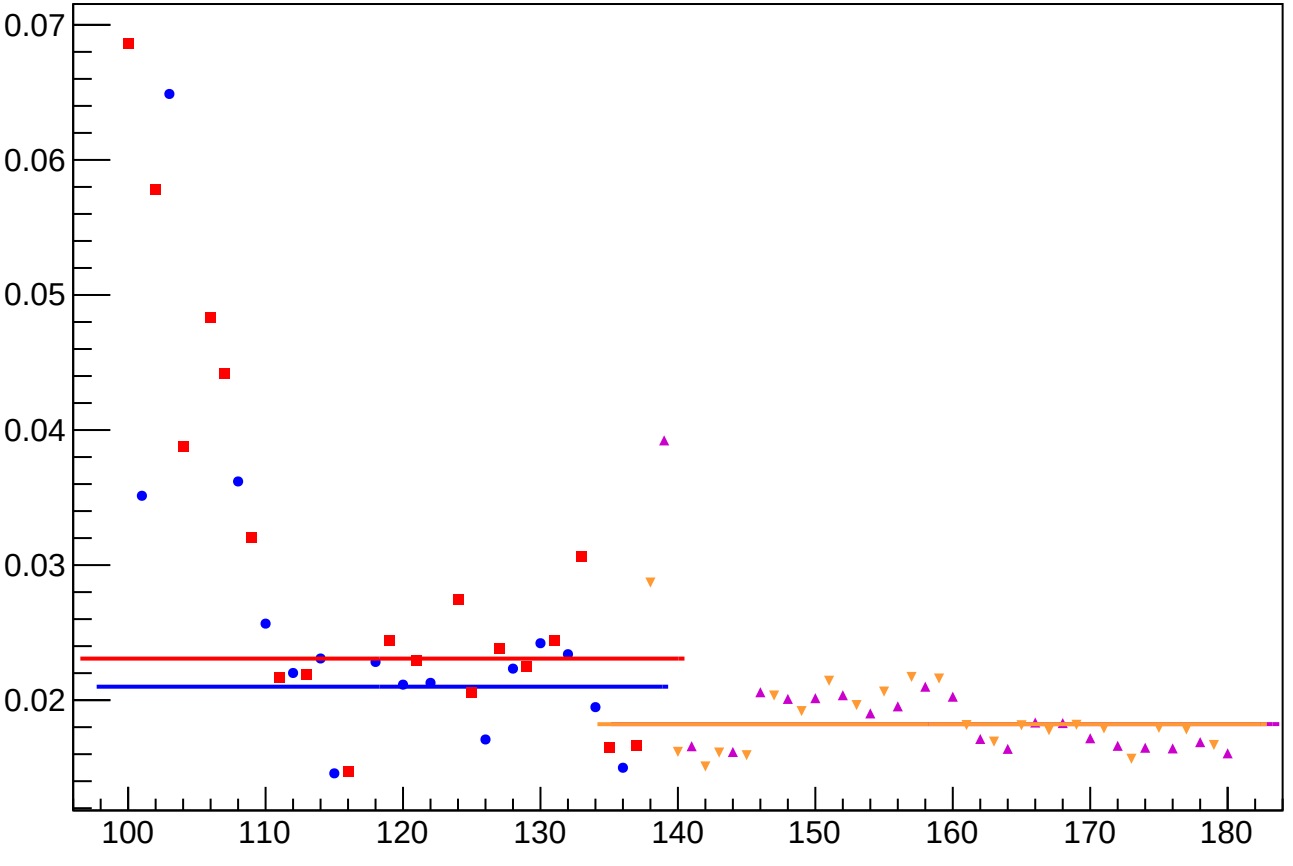
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.097+/-0.000 χ^2/NDF:1247972929.6/36

Out: -1.106+/-0.000 χ^2/NDF:1119588611.2/40

All: -1.101+/-0.000 χ^2/NDF: 2369796247.2/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:462894.0/21

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:723056.9/20

Left: 0.018+/-0.000 χ^2/NDF: 1185952.3/42

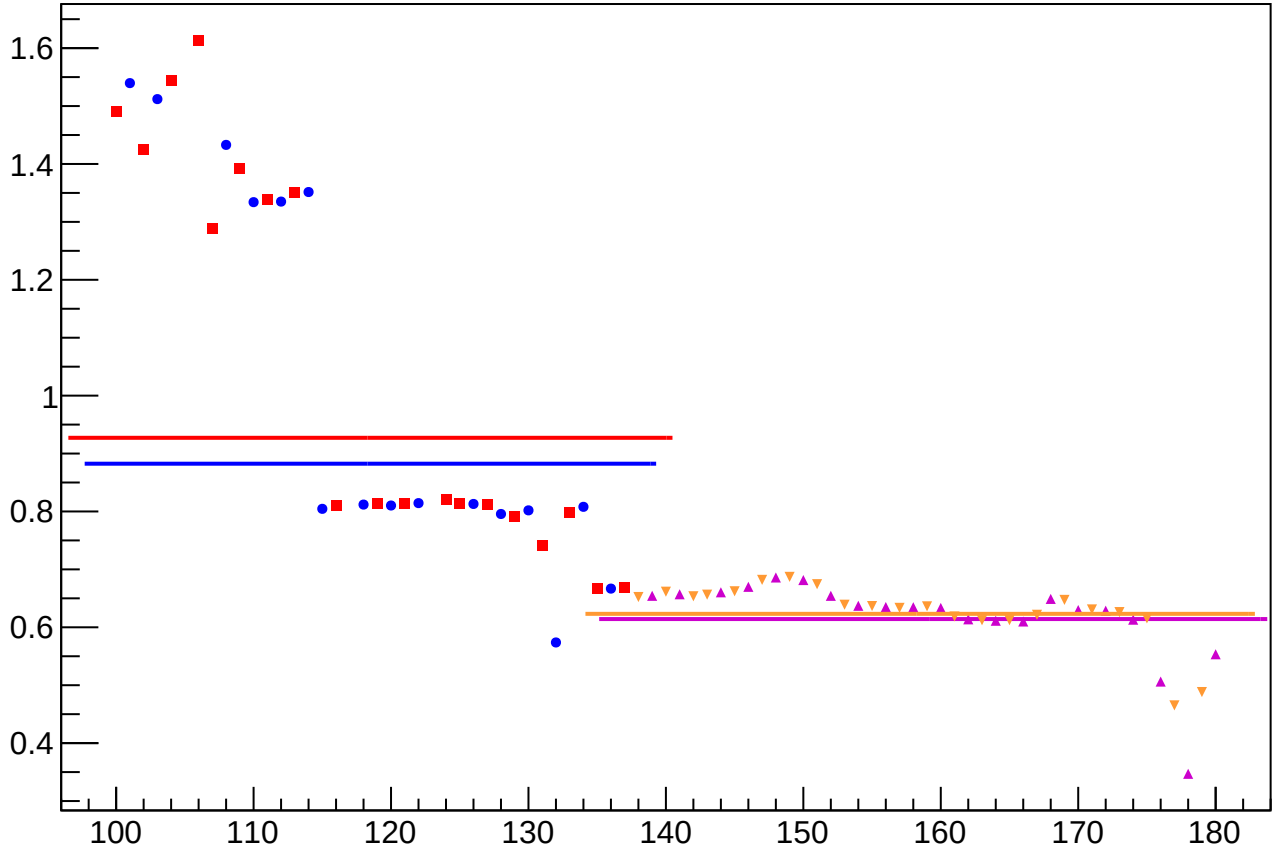
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:2034234.1/36

Out: 0.019+/-0.000 χ^2/NDF:2138942.9/40

All: 0.019+/-0.000 χ^2/NDF: 4178955.2/77

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.623+/-0.000 χ^2/NDF:352151273.7/21

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.614+/-0.000 χ^2/NDF:627343456.7/20

Left: 0.619+/-0.000 χ^2/NDF: 984249398.5/42

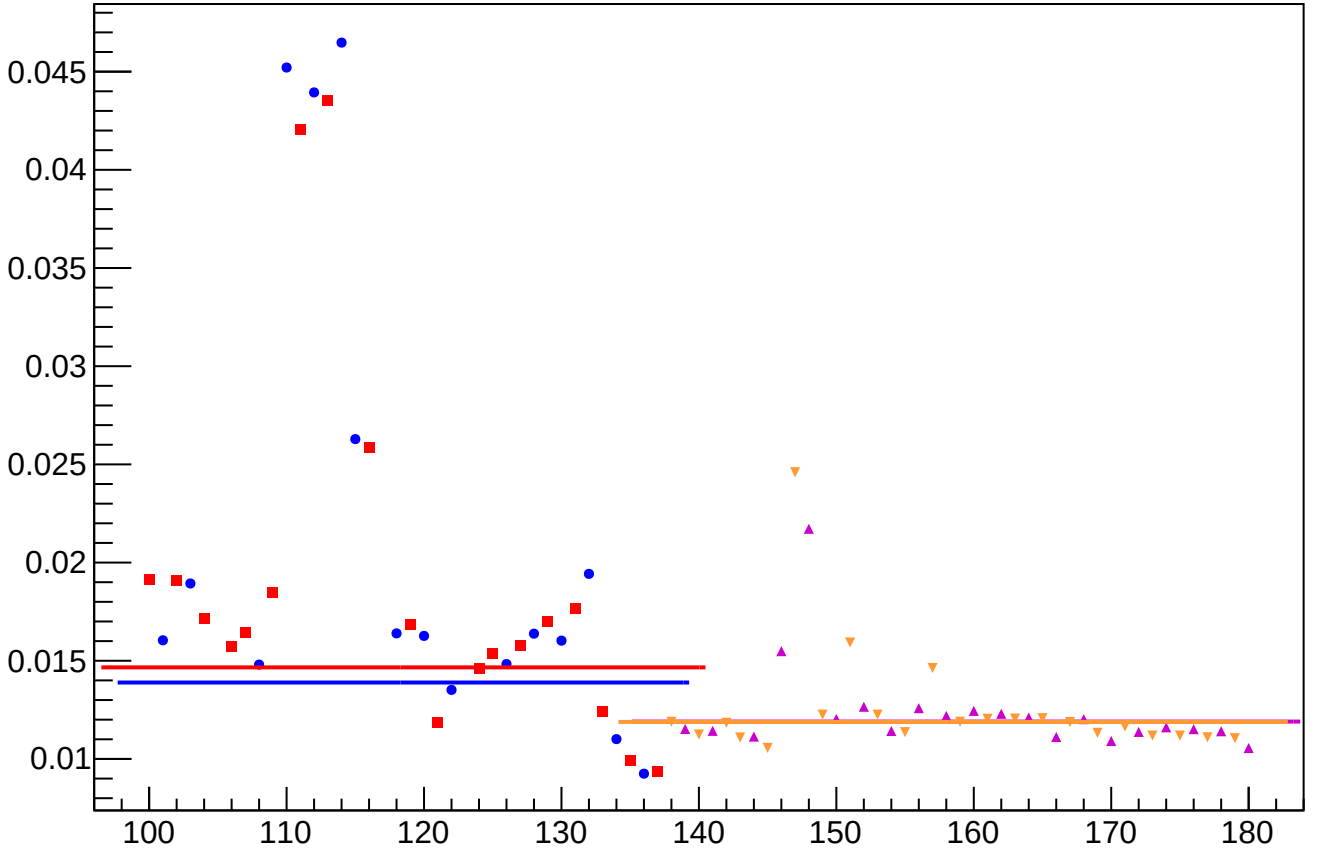
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.670+/-0.000 χ^2/NDF:5159860559.0/36

Out: 0.683+/-0.000 χ^2/NDF:5256420785.7/40

All: 0.677+/-0.000 χ^2/NDF: 10428406394.5/7

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:657537.0/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:497136.8/20

Left: 0.012+/-0.000 χ^2/NDF: 1154710.5/42

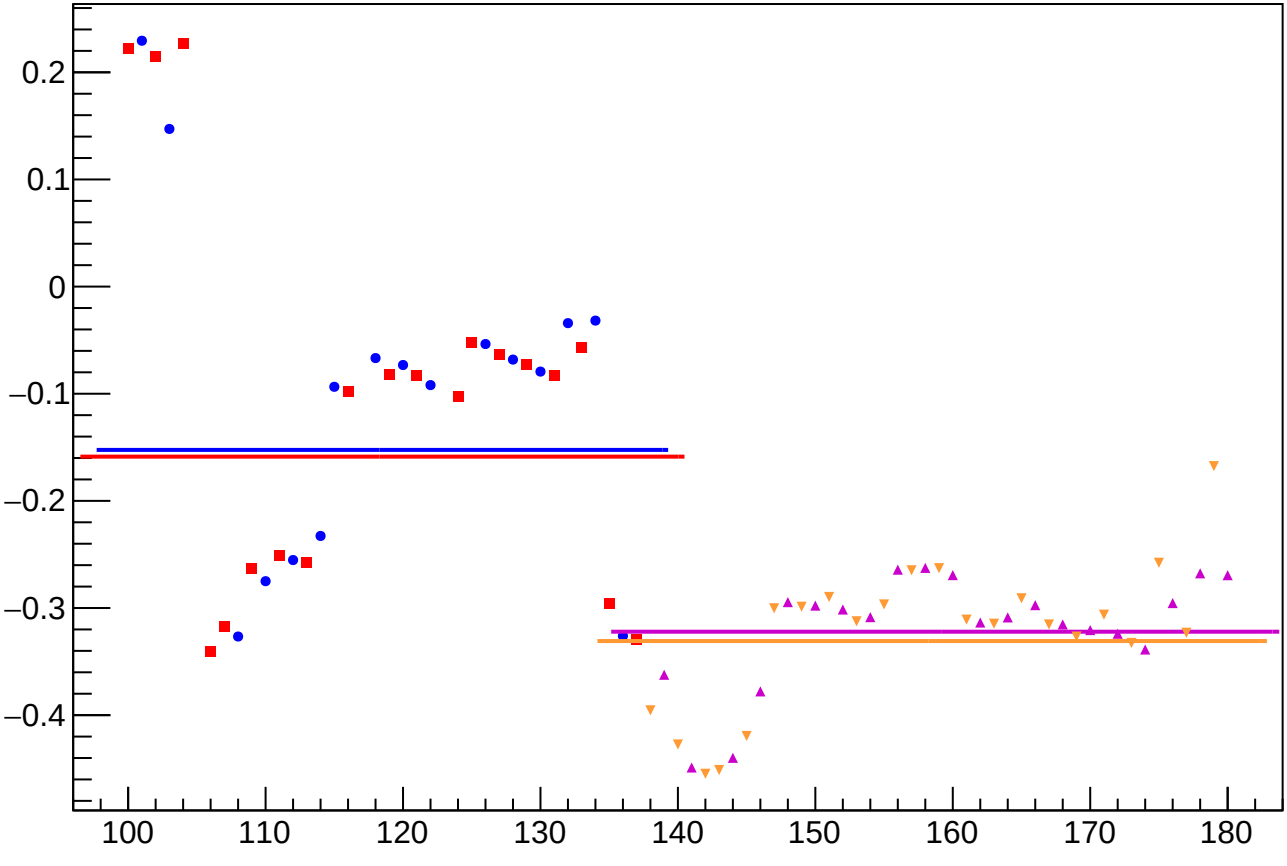
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2335978.6/36

Out: 0.012+/-0.000 χ^2/NDF:2482094.7/40

All: 0.012+/-0.000 χ^2/NDF: 4819979.1/77

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.331+/-0.000 χ^2/NDF:153497913.3/21

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.322+/-0.000 χ^2/NDF:118661322.7/20

Left: -0.326+/-0.000 χ^2/NDF: 273720557.1/42

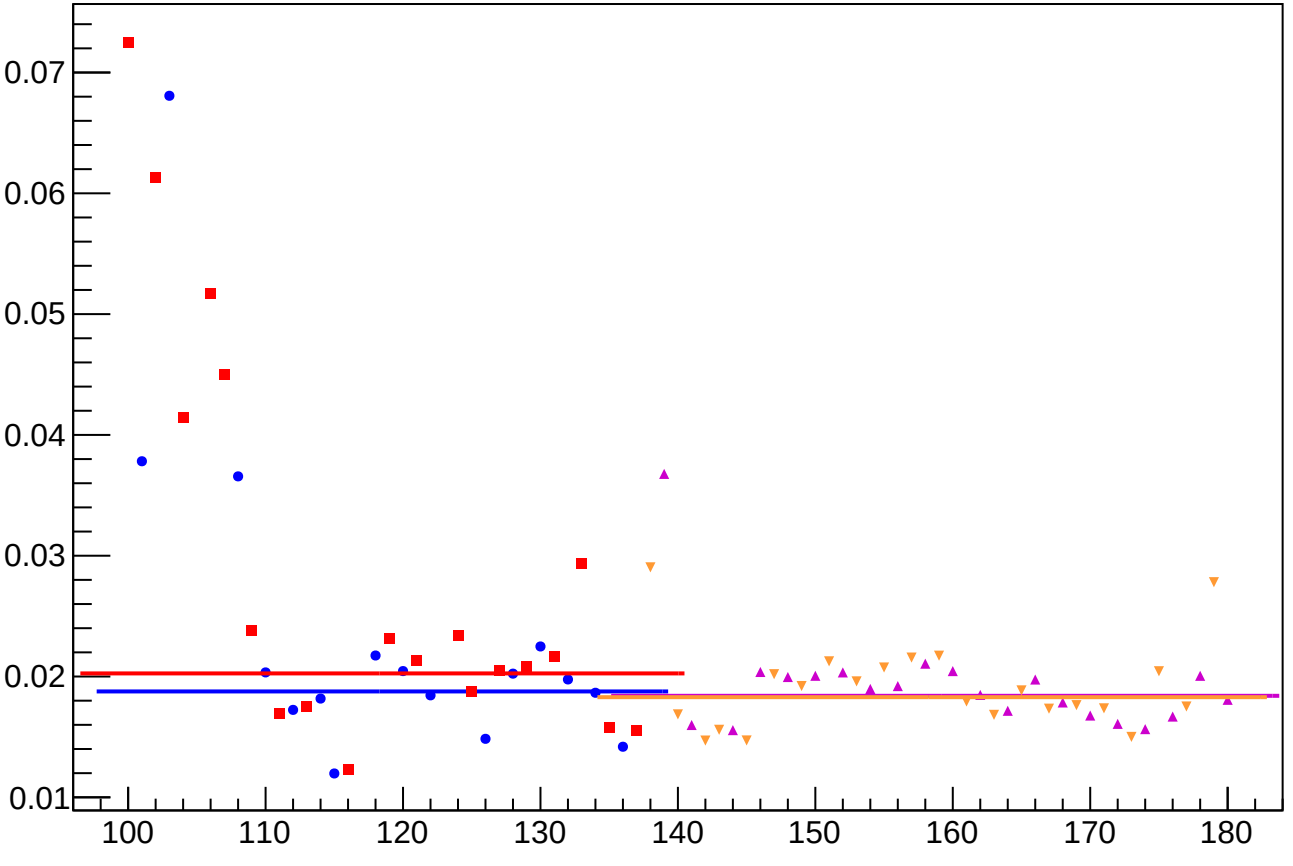
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708952058.6/36

Out: -0.289+/-0.000 χ^2/NDF:646489729.5/40

All: -0.283+/-0.000 χ^2/NDF: 1359626370.4/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:682900.4/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:693534.3/20

Left: 0.018+/-0.000 χ^2/NDF: 1376966.1/42

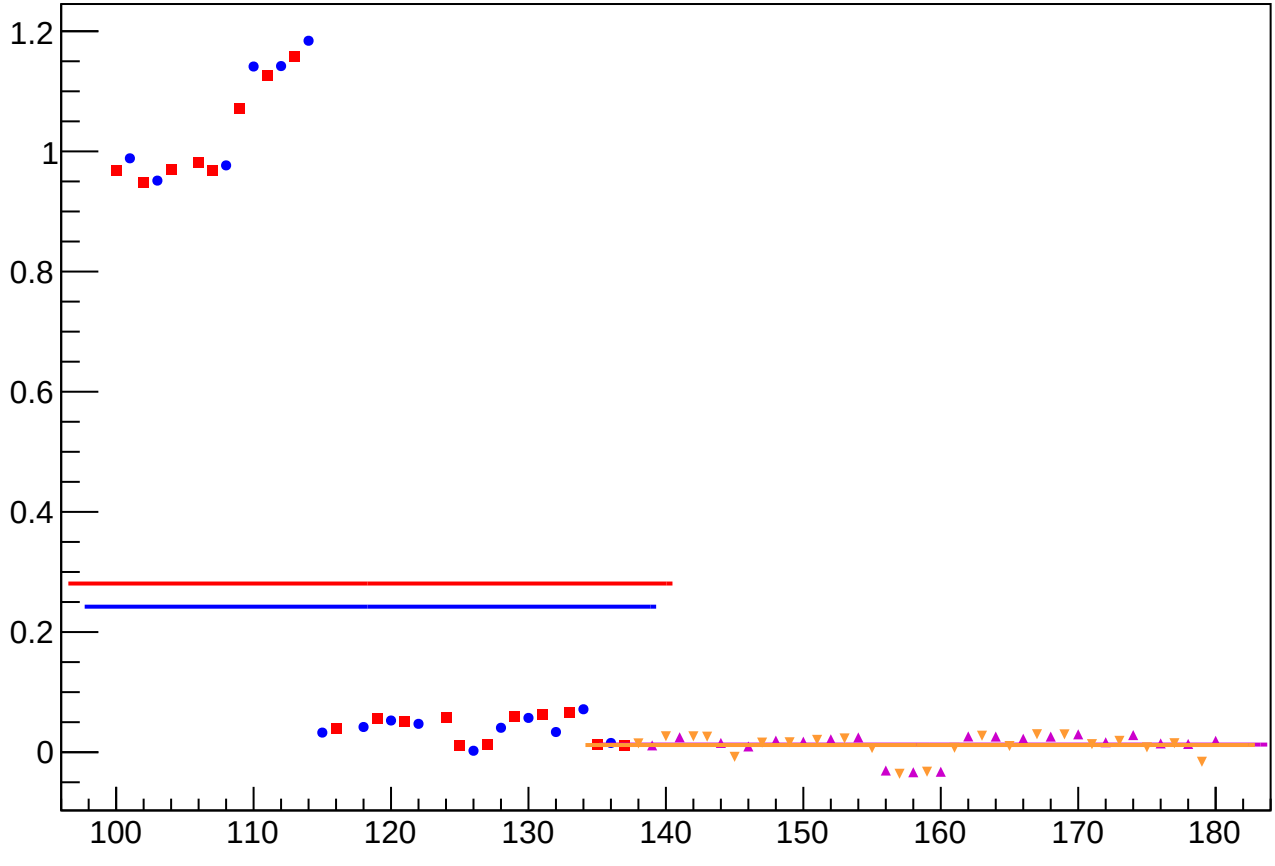
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2045820.8/36

Out: 0.019+/-0.000 χ^2/NDF:2290261.6/40

All: 0.019+/-0.000 χ^2/NDF: 4340054.2/77

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:46320980.8/21

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.013+/-0.000 χ^2/NDF:57906225.2/20

Left: 0.012+/-0.000 χ^2/NDF: 104266779.1/42

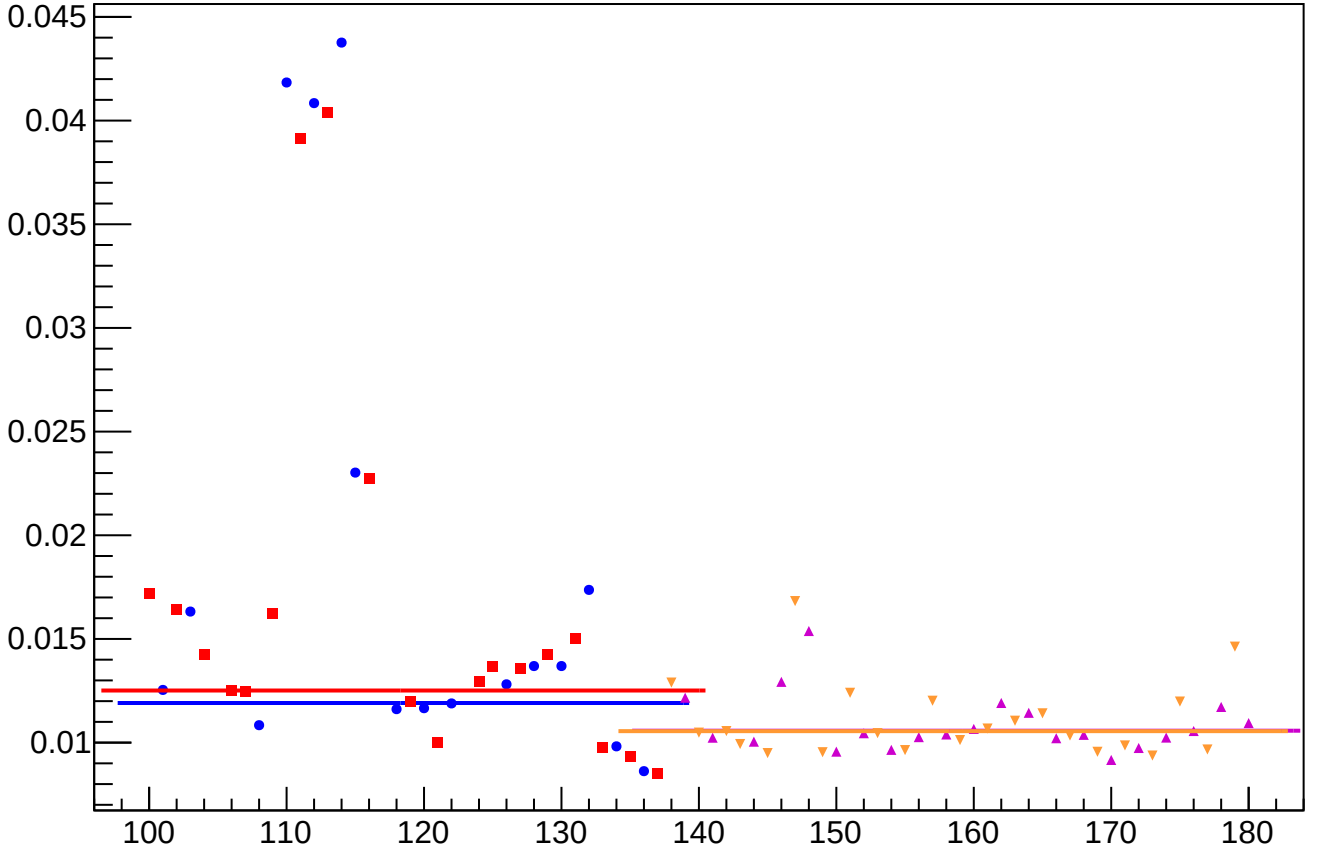
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.064+/-0.000 χ^2/NDF:8286430284.9/36

Out: 0.069+/-0.000 χ^2/NDF:9032104239.3/40

All: 0.067+/-0.000 χ^2/NDF: 17320850339.6/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:551118.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:376593.7/20

Left: 0.011+/-0.000 χ^2/NDF: 927777.7/42

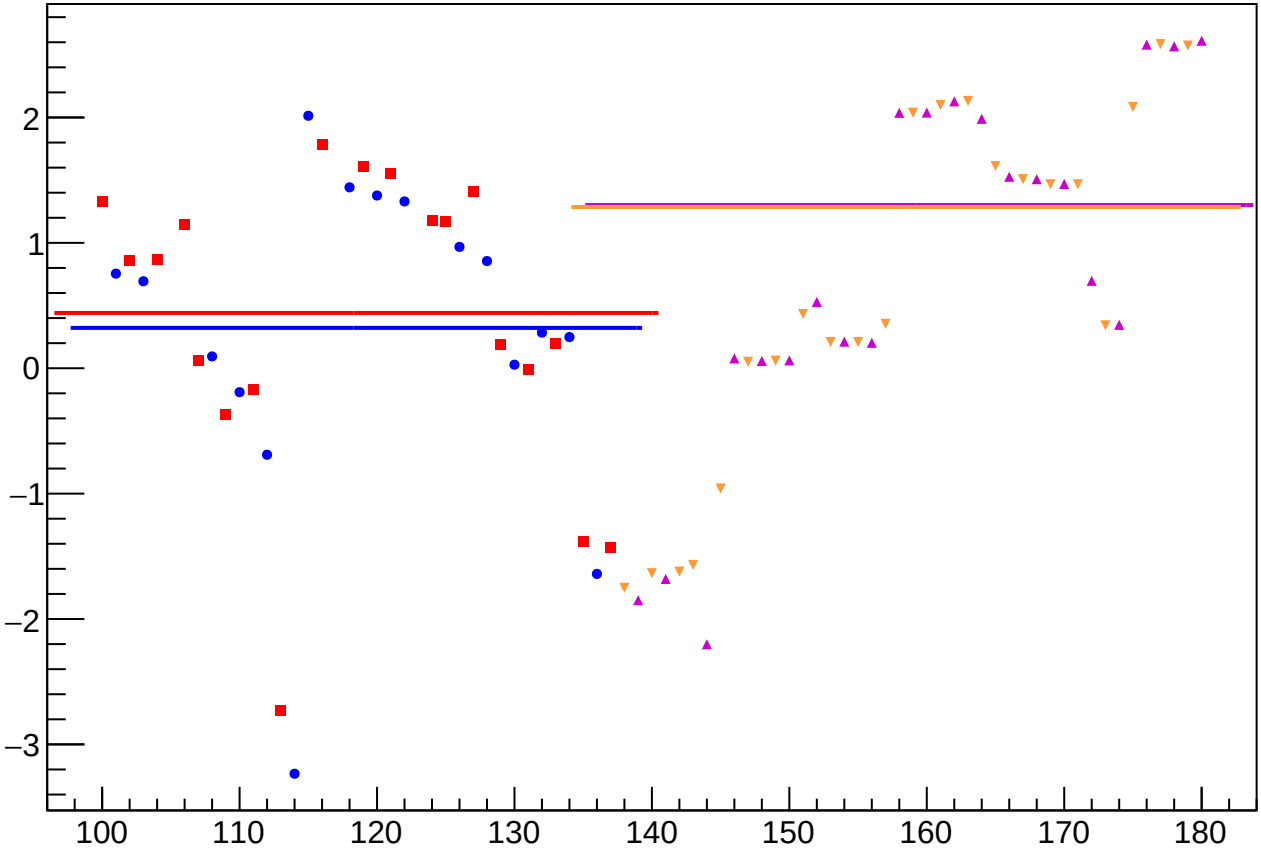
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1952649.9/36

Out: 0.011+/-0.000 χ^2/NDF:2180443.5/40

All: 0.011+/-0.000 χ^2/NDF: 4134813.7/77

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.286+/-0.000 χ^2/NDF:46664321840.7/21

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.302+/-0.000 χ^2/NDF:55786044795.1/20

Left: 1.294+/-0.000 χ^2/NDF: 102457189558.6/42

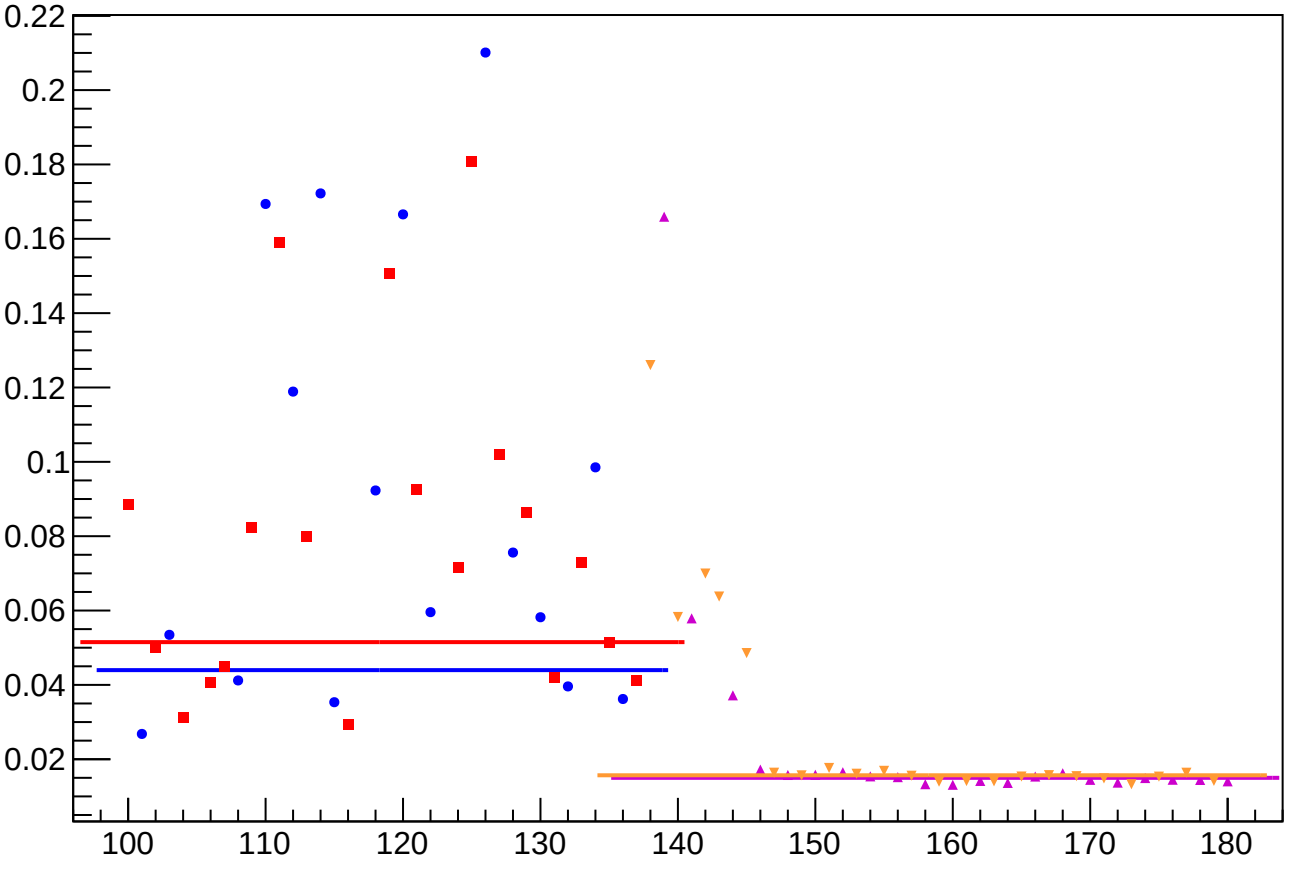
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.269+/-0.000 χ^2/NDF:59293376805.4/36

Out: 1.260+/-0.000 χ^2/NDF:49600567563.4/40

All: 1.265+/-0.000 χ^2/NDF: 108896131743.7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2962239.2/21

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2181918.9/20

Left: 0.015+/-0.000 χ^2/NDF: 5169942.5/42

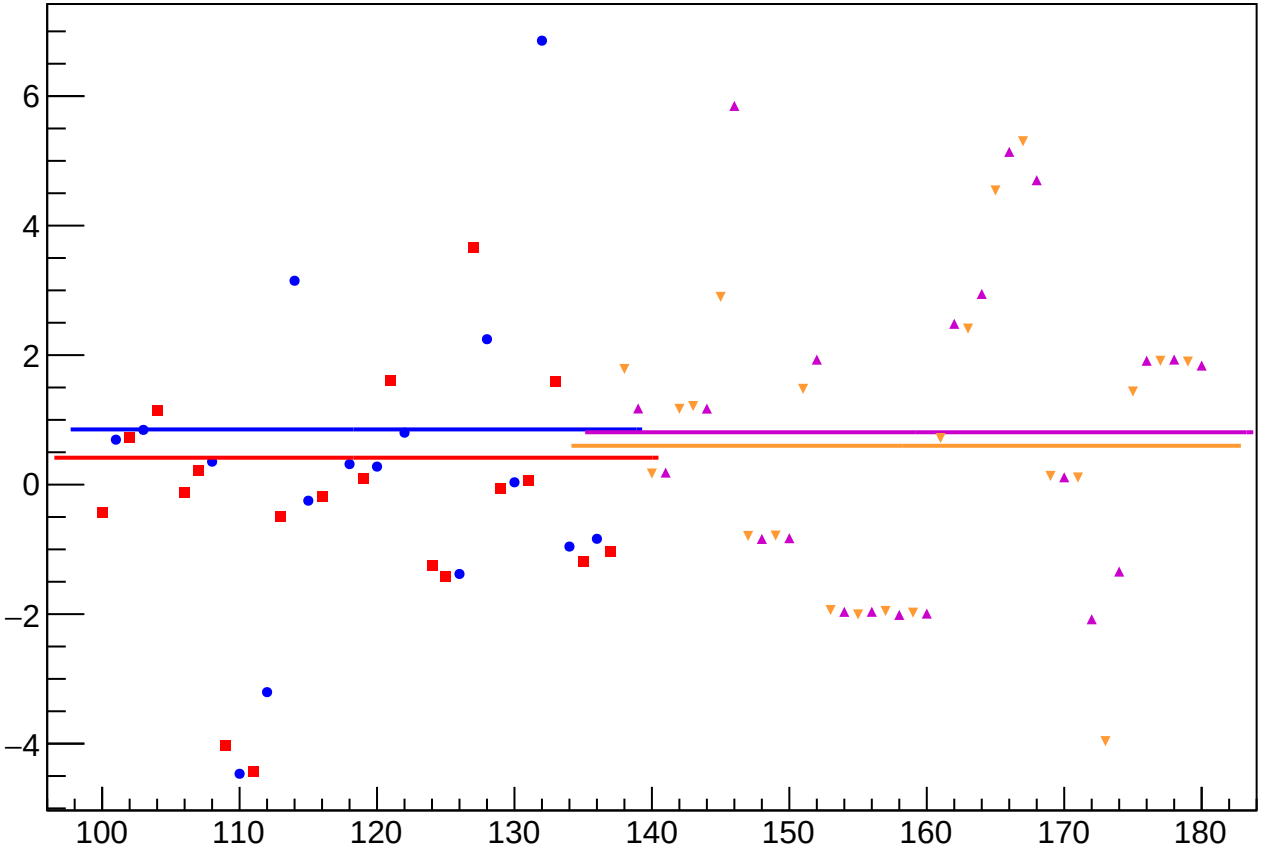
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8190374.2/36

Out: 0.017+/-0.000 χ^2/NDF:9425435.1/40

All: 0.016+/-0.000 χ^2/NDF: 17652810.5/77

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.600+/-0.000 χ^2/NDF:524103874661.1/21

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.809+/-0.000 χ^2/NDF:615352075890.6/20

Left: 0.708+/-0.000 χ^2/NDF: 1141383496343.1/42

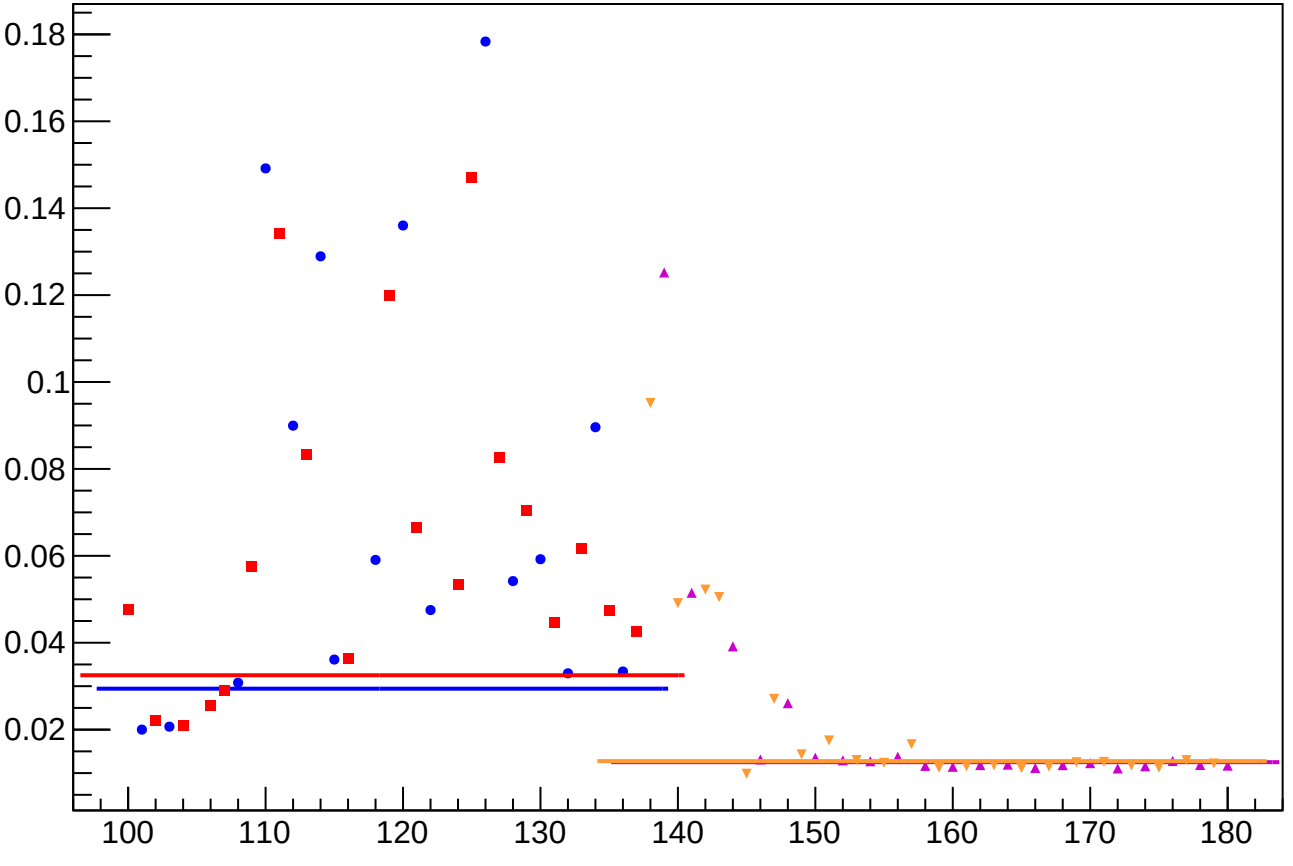
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.811+/-0.000 χ^2/NDF:626935895136.6/36

Out: 0.592+/-0.000 χ^2/NDF:529352435483.3/40

All: 0.705+/-0.000 χ^2/NDF: 1158501502278.

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:3165598.6/21

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2748867.6/20

Left: 0.013+/-0.000 χ^2/NDF: 5919667.1/42

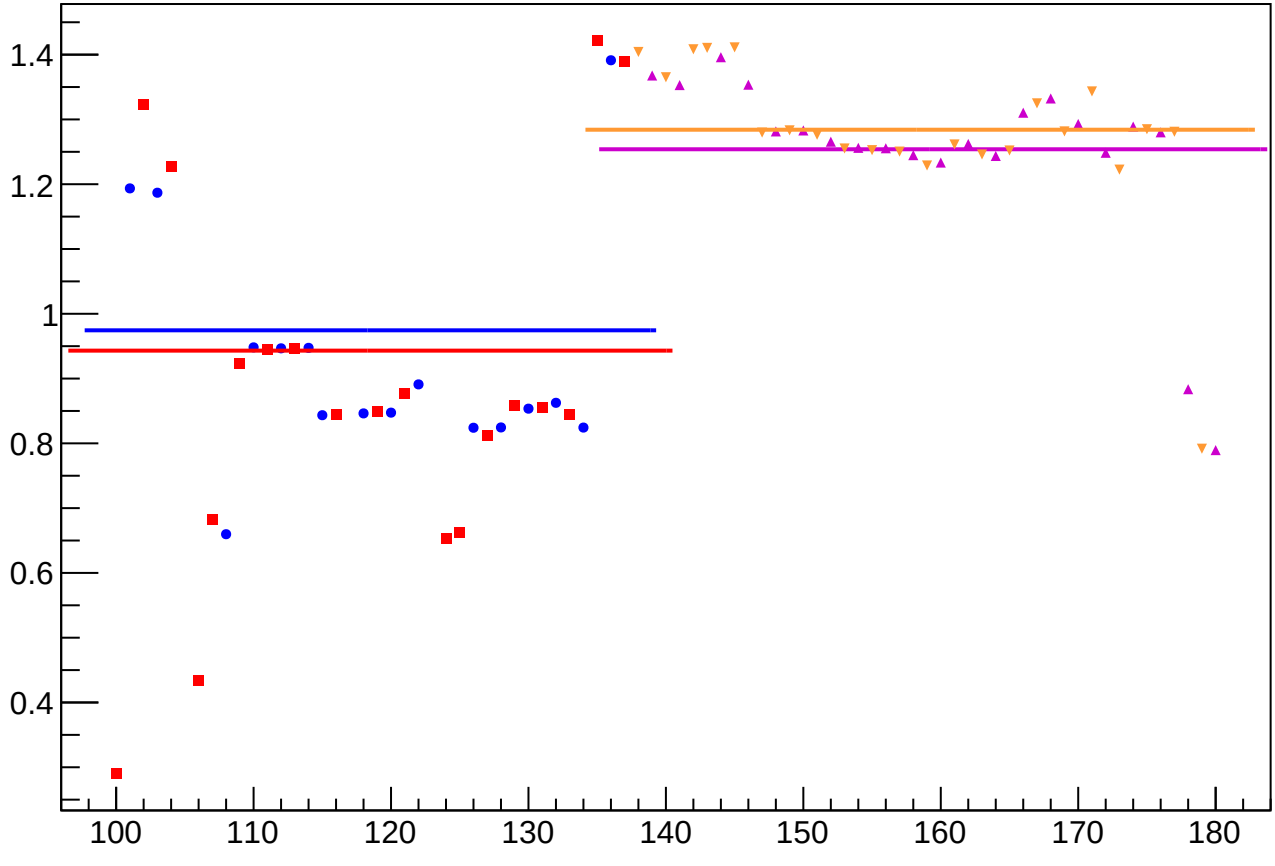
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8269726.0/36

Out: 0.014+/-0.000 χ^2/NDF:9395245.6/40

All: 0.013+/-0.000 χ^2/NDF: 17676216.1/77

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.284+/-0.000 χ^2/NDF:1022112933.7/21

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.254+/-0.000 χ^2/NDF:1568467431.5/20

Left: 1.269+/-0.000 χ^2/NDF: 2627153217.8/42

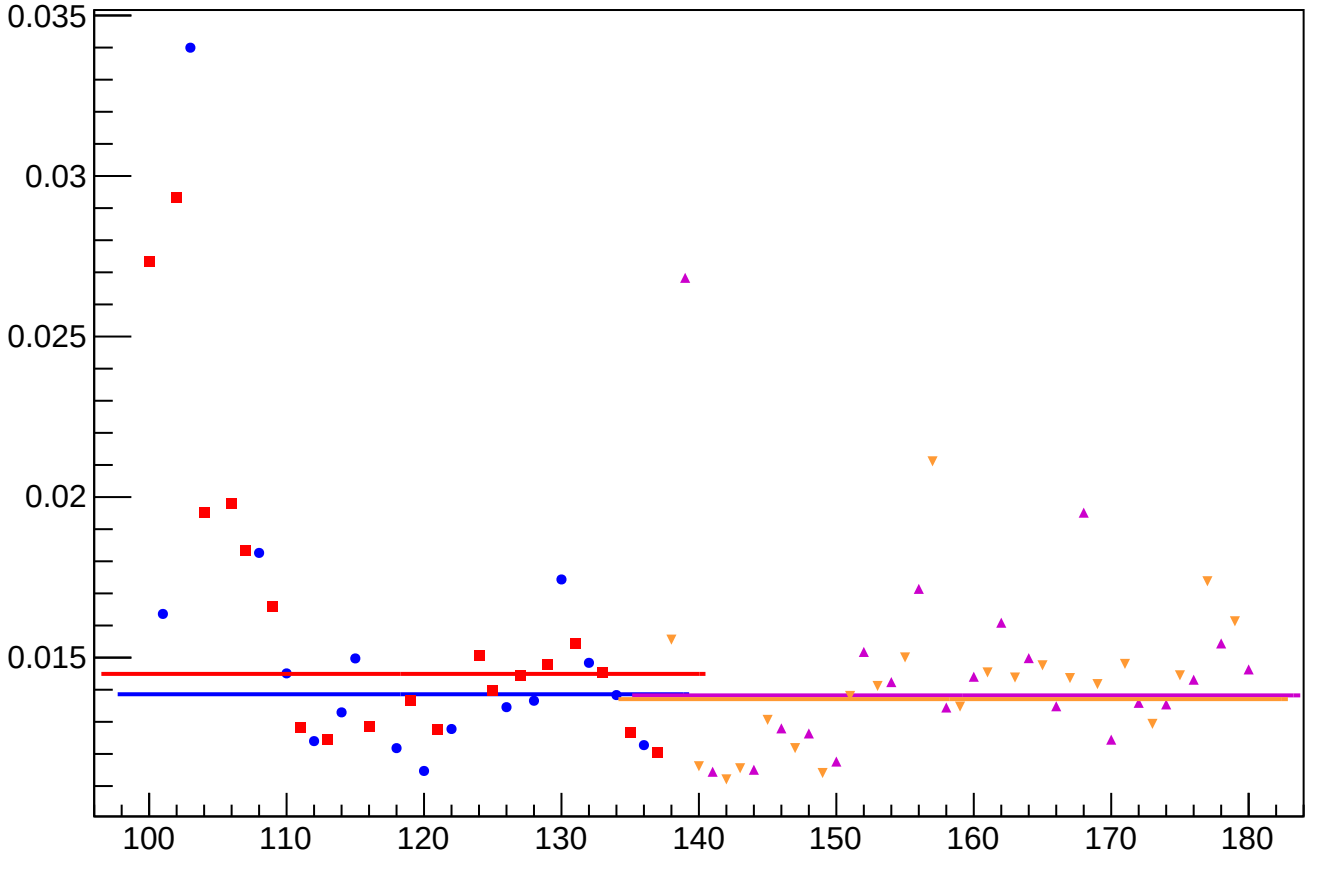
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.173+/-0.000 χ^2/NDF:4825101154.8/36

Out: 1.191+/-0.000 χ^2/NDF:5270044584.8/40

All: 1.182+/-0.000 χ^2/NDF: 10112199701.0/7

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:539908.9/21

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:867831.1/20

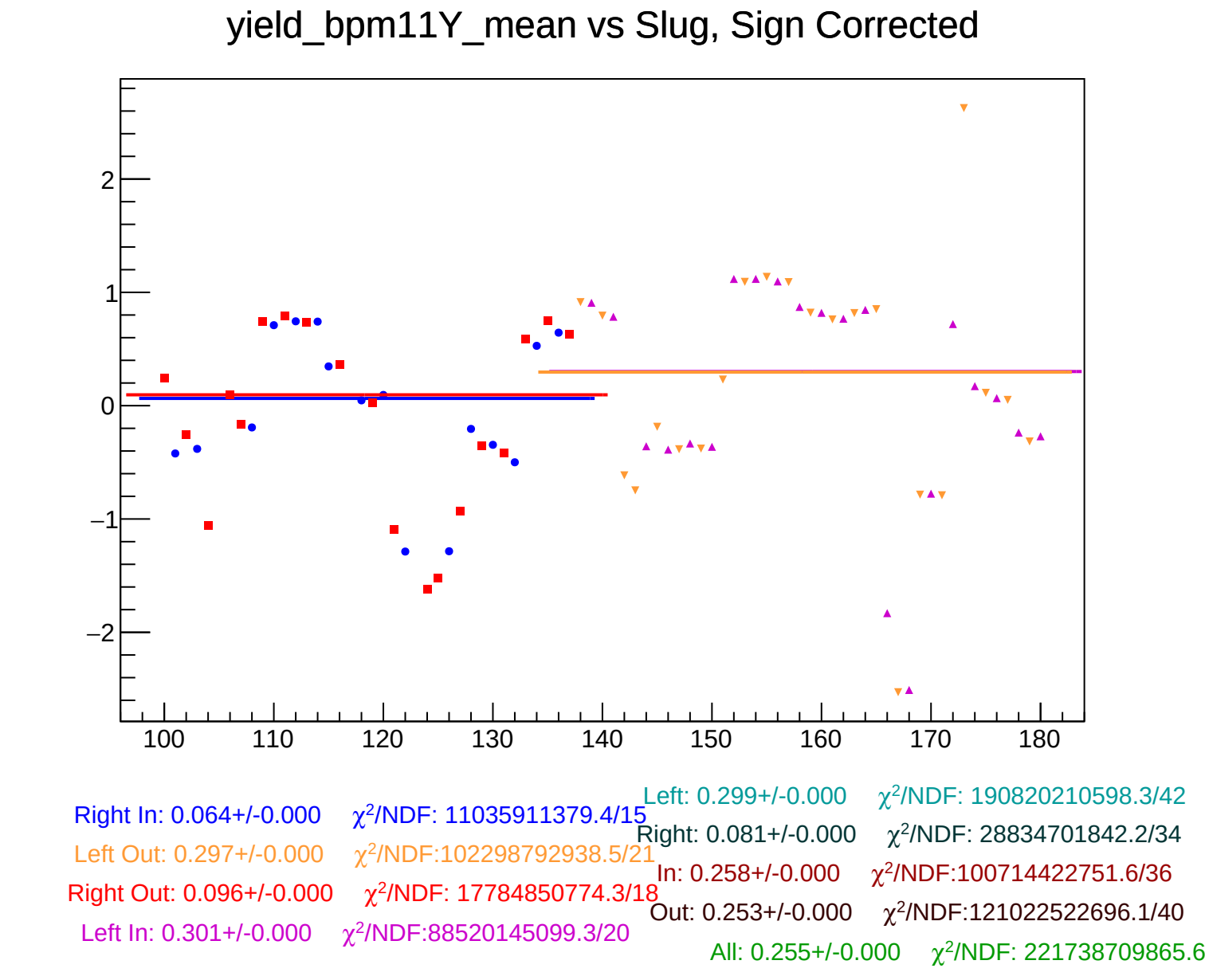
Left: 0.014+/-0.000 χ^2/NDF: 1408833.0/42

Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

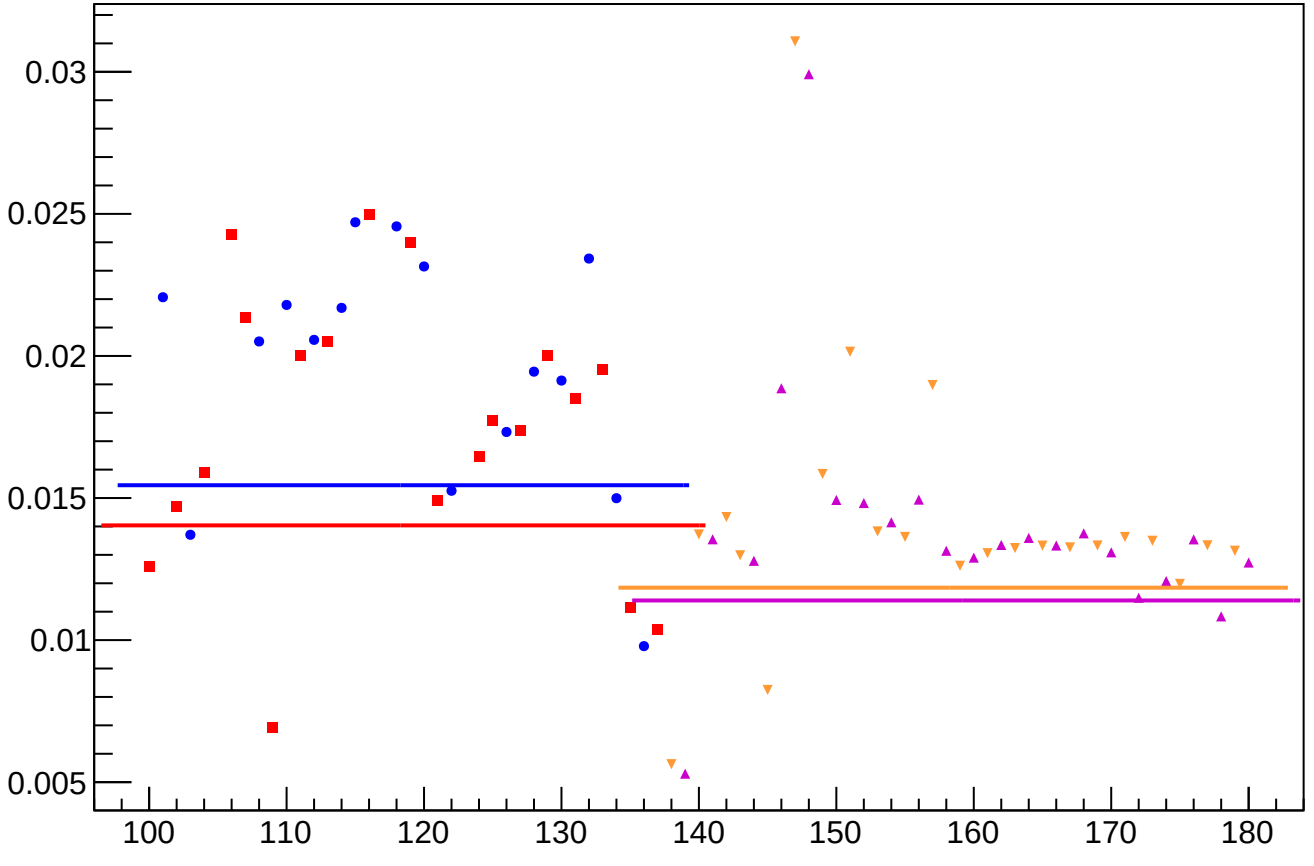
In: 0.014+/-0.000 χ^2/NDF:1467867.6/36

Out: 0.014+/-0.000 χ^2/NDF:1111614.2/40

All: 0.014+/-0.000 χ^2/NDF: 2580355.4/77


yield_bpm11Y_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.064+/-0.000 χ²/NDF: 11035911379.4/15
Left Out: 0.297+/-0.000 χ²/NDF:102298792938.5/21
Right Out: 0.096+/-0.000 χ²/NDF: 17784850774.3/18
Left In: 0.301+/-0.000 χ²/NDF:88520145099.3/20
Left: 0.299+/-0.000 χ²/NDF: 190820210598.3/42
Right: 0.081+/-0.000 χ²/NDF: 28834701842.2/34
In: 0.258+/-0.000 χ²/NDF:100714422751.6/36
Out: 0.253+/-0.000 χ²/NDF:121022522696.1/40
All: 0.255+/-0.000 χ²/NDF: 221738709865.6

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:3238544.3/21

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3633412.1/20

Left: 0.012+/-0.000 χ^2/NDF: 6894077.9/42

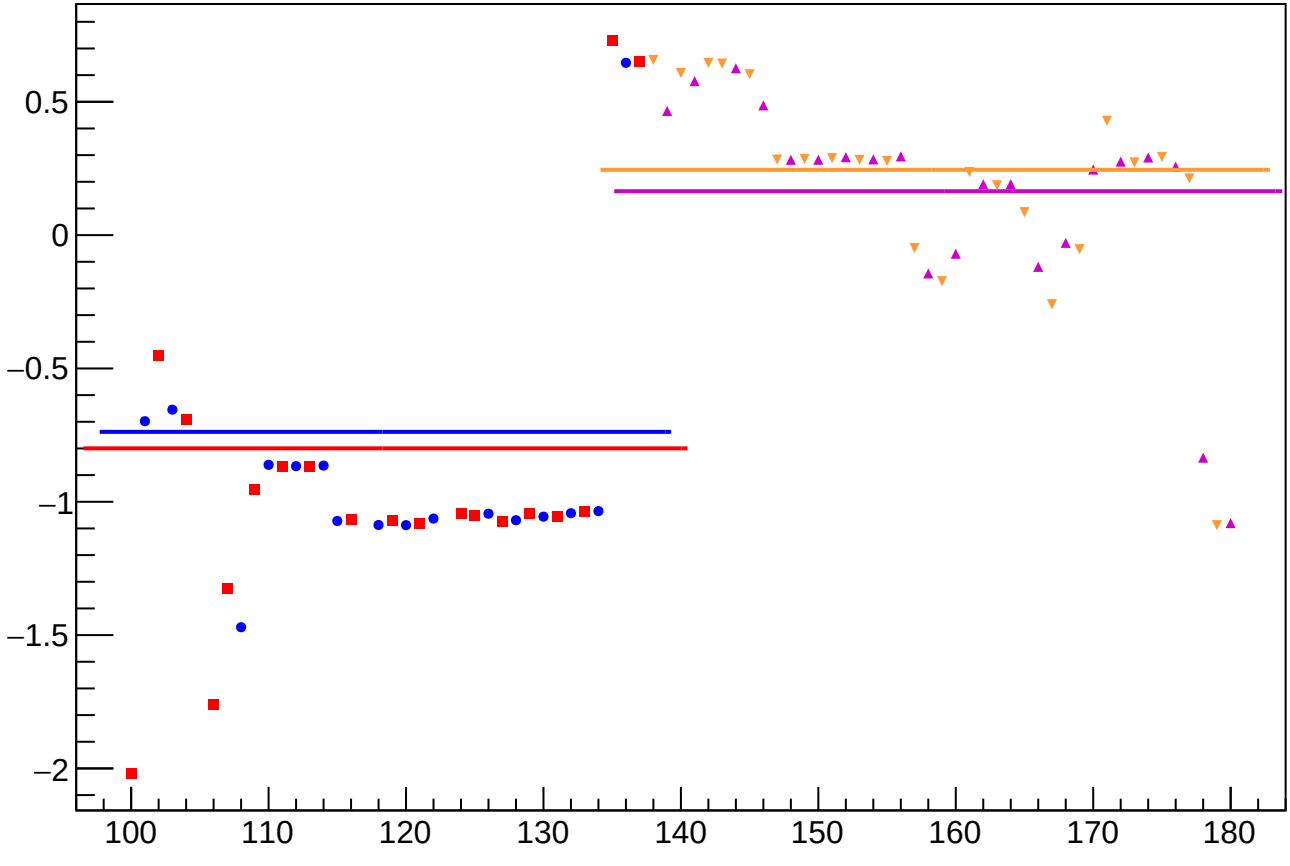
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5602973.1/36

Out: 0.012+/-0.000 χ^2/NDF:5149217.4/40

All: 0.012+/-0.000 χ^2/NDF: 10756842.6/77

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.245+/-0.000 χ^2/NDF:1541123715.5/21

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.165+/-0.000 χ^2/NDF:2025584928.2/20

Left: 0.205+/-0.000 χ^2/NDF: 3605305534.6/42

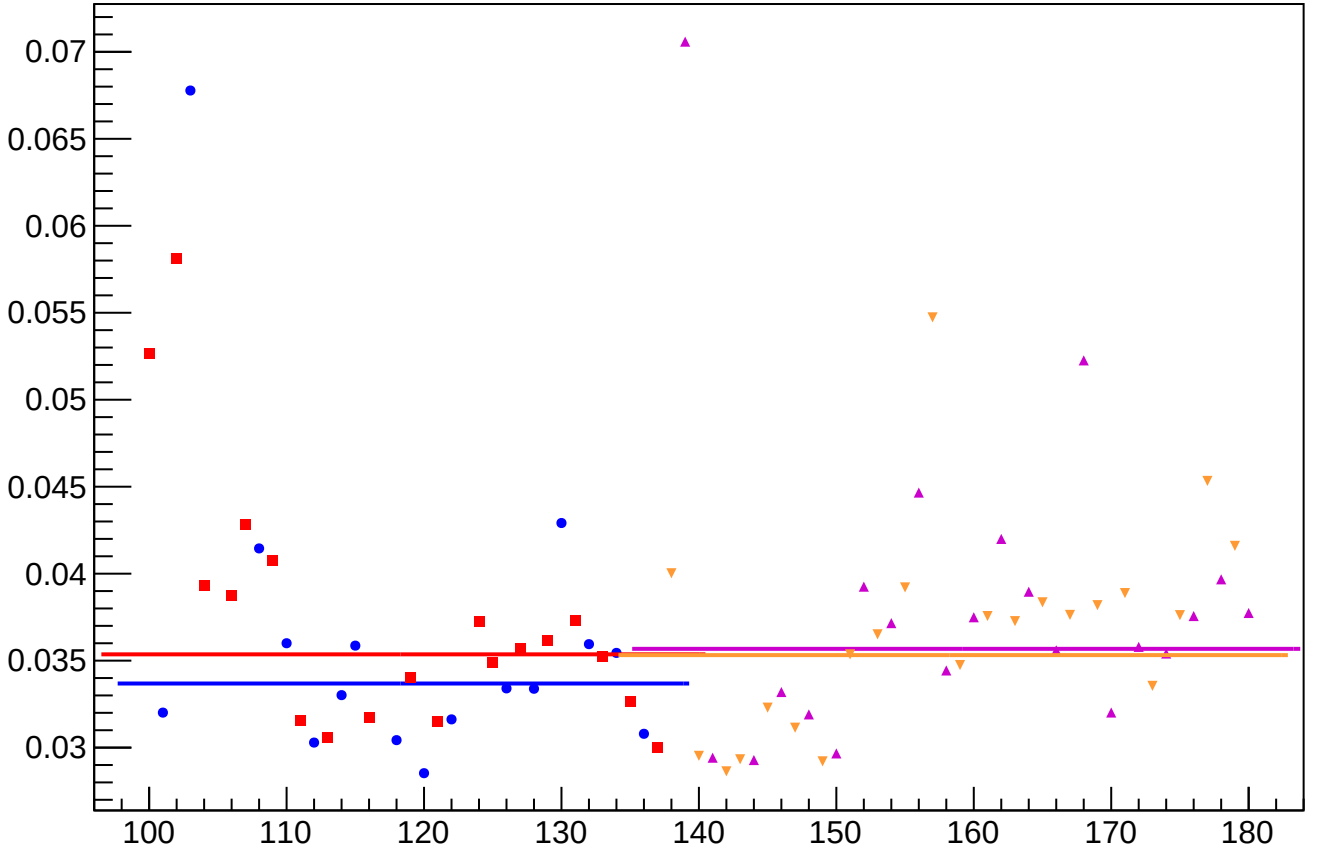
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.123+/-0.000 χ^2/NDF:7178586730.6/36

Out: -0.068+/-0.000 χ^2/NDF:7376468858.0/40

All: -0.096+/-0.000 χ^2/NDF: 14581368891.7/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:603177.6/21

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:955103.5/20

Left: 0.035+/-0.000 χ^2/NDF: 1559837.9/42

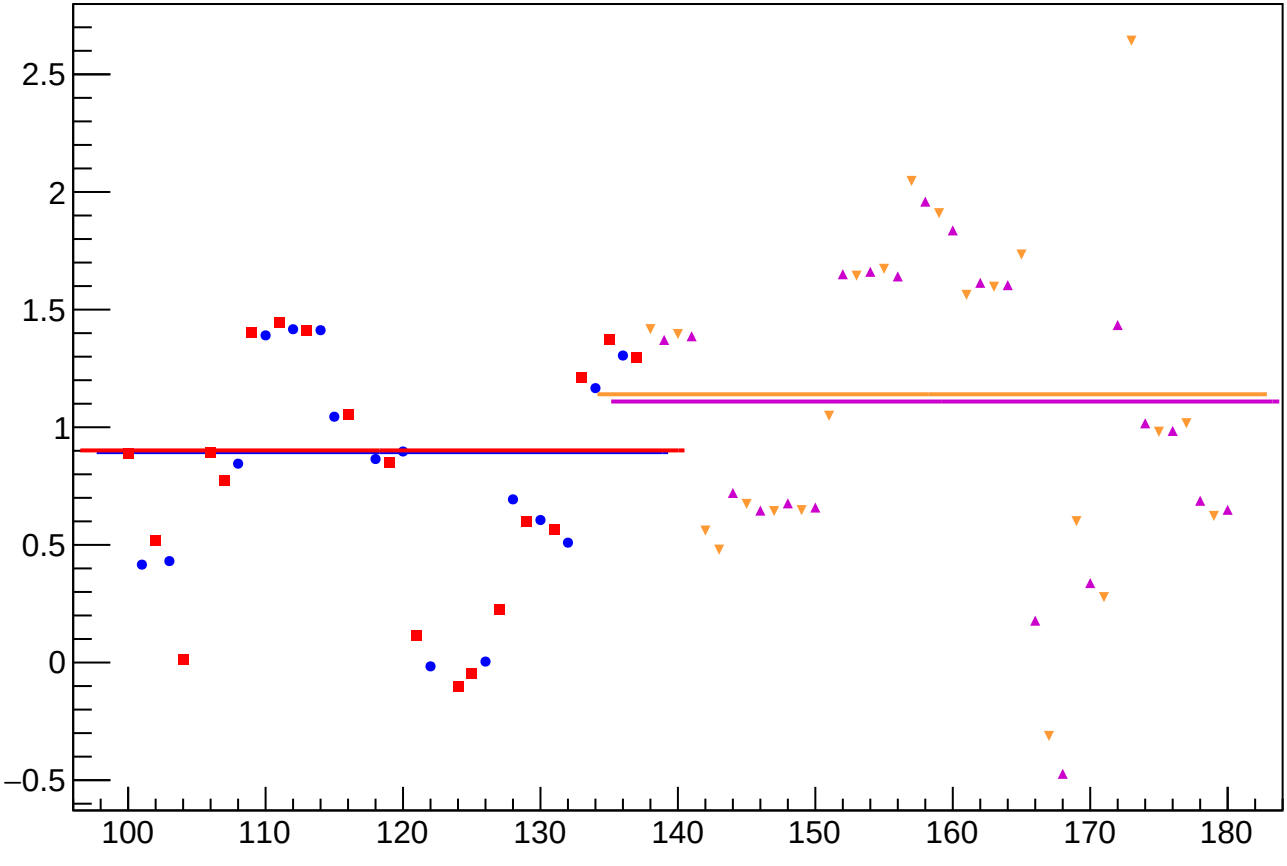
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1405382.9/36

Out: 0.035+/-0.000 χ^2/NDF:899545.9/40

All: 0.035+/-0.000 χ^2/NDF: 2306372.6/77

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.140+/-0.000 χ^2/NDF:88913212991.9/21

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.109+/-0.000 χ^2/NDF:71281564505.8/20

Left: 1.125+/-0.000 χ^2/NDF: 160289011010.8/42

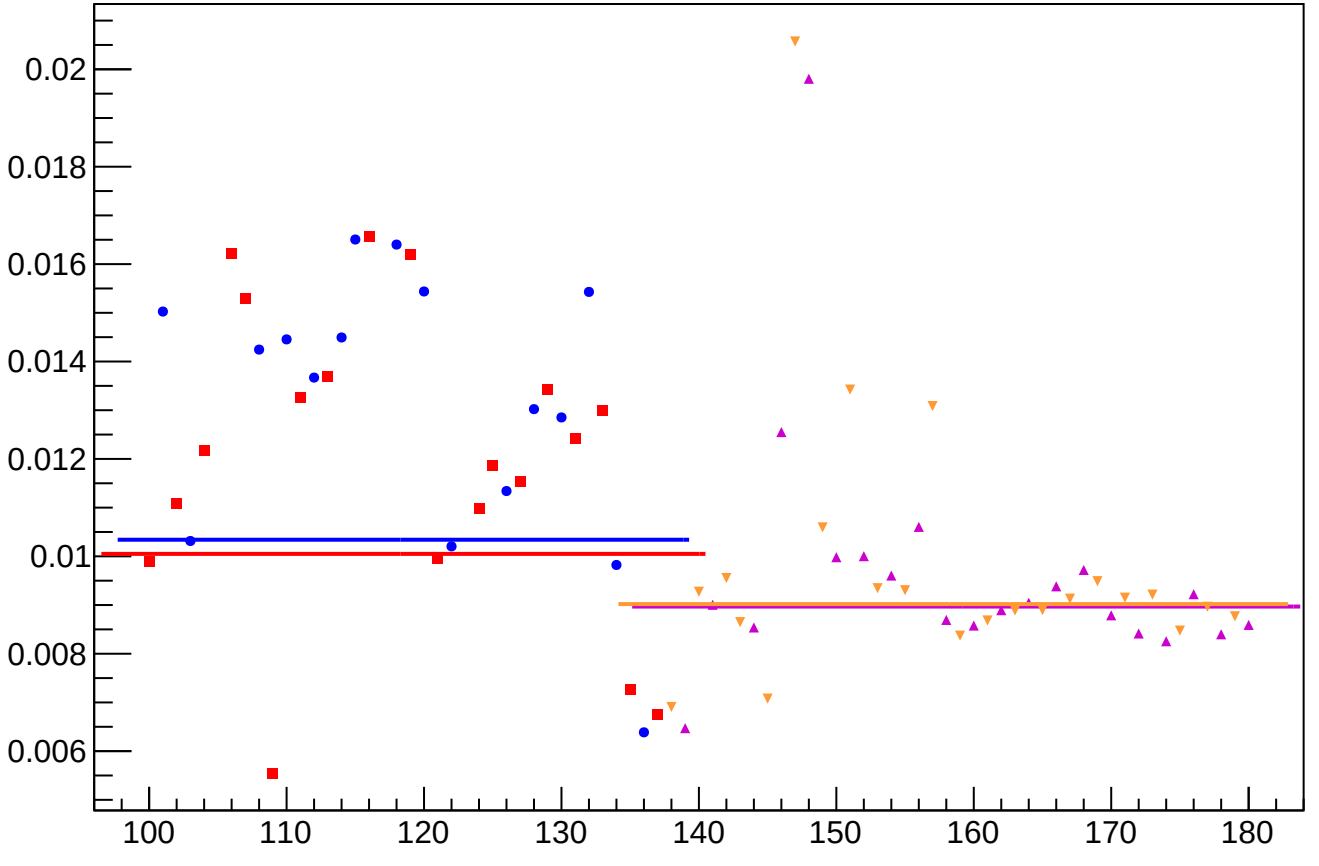
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.062+/-0.000 χ^2/NDF:86044208679.0/36

Out: 1.085+/-0.000 χ^2/NDF:109442229668.6/40

All: 1.074+/-0.000 χ^2/NDF: 195552584936.7

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:1136987.7/21

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:964138.0/20

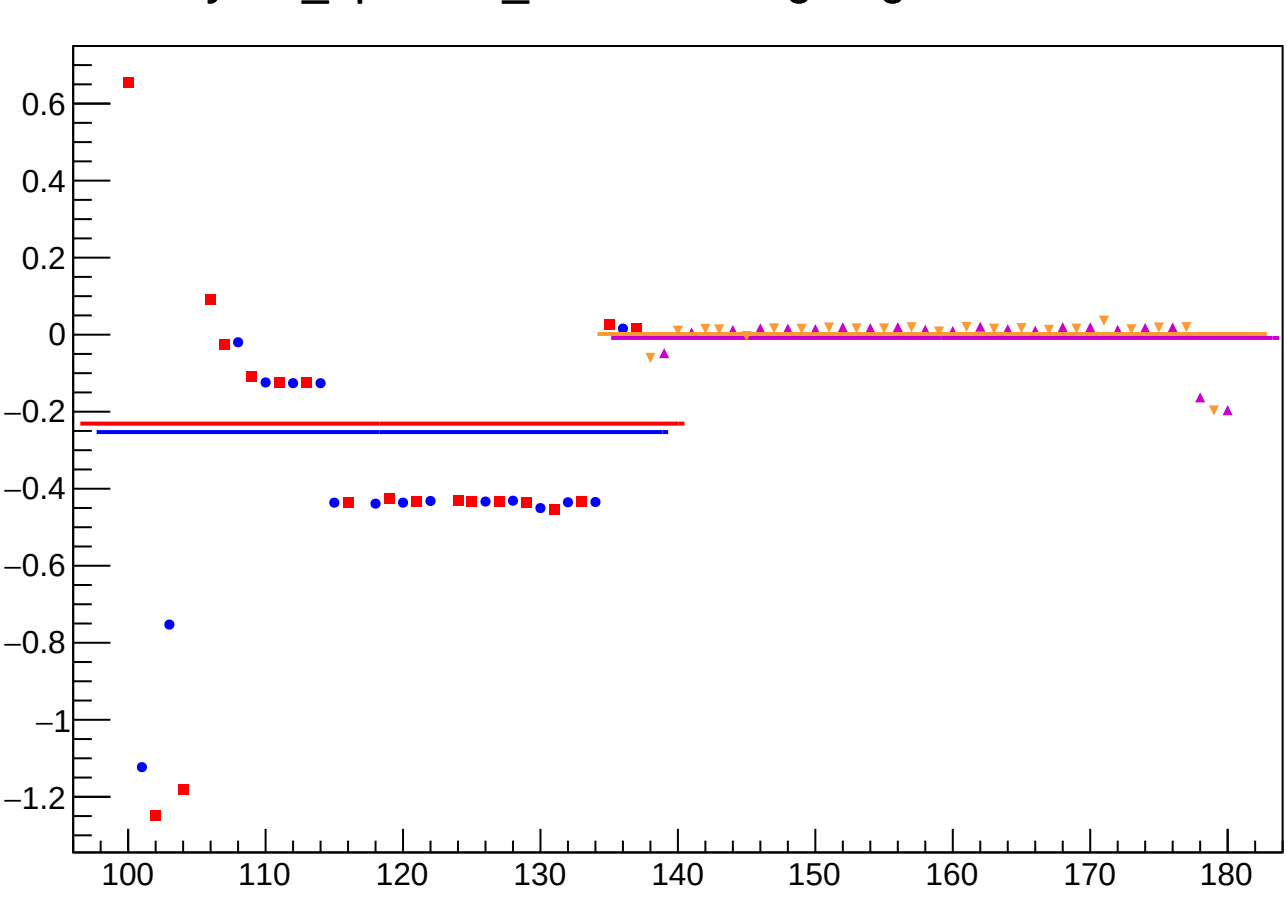
Left: 0.009+/-0.000 χ^2/NDF: 2101640.0/42

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2478430.7/36

Out: 0.009+/-0.000 χ^2/NDF:2572173.3/40

All: 0.009+/-0.000 χ^2/NDF: 5050638.7/77



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:399443185.9/21

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: -0.009+/-0.000 χ^2/NDF:641445529.7/20

Left: -0.003+/-0.000 χ^2/NDF: 1049360922.1/42

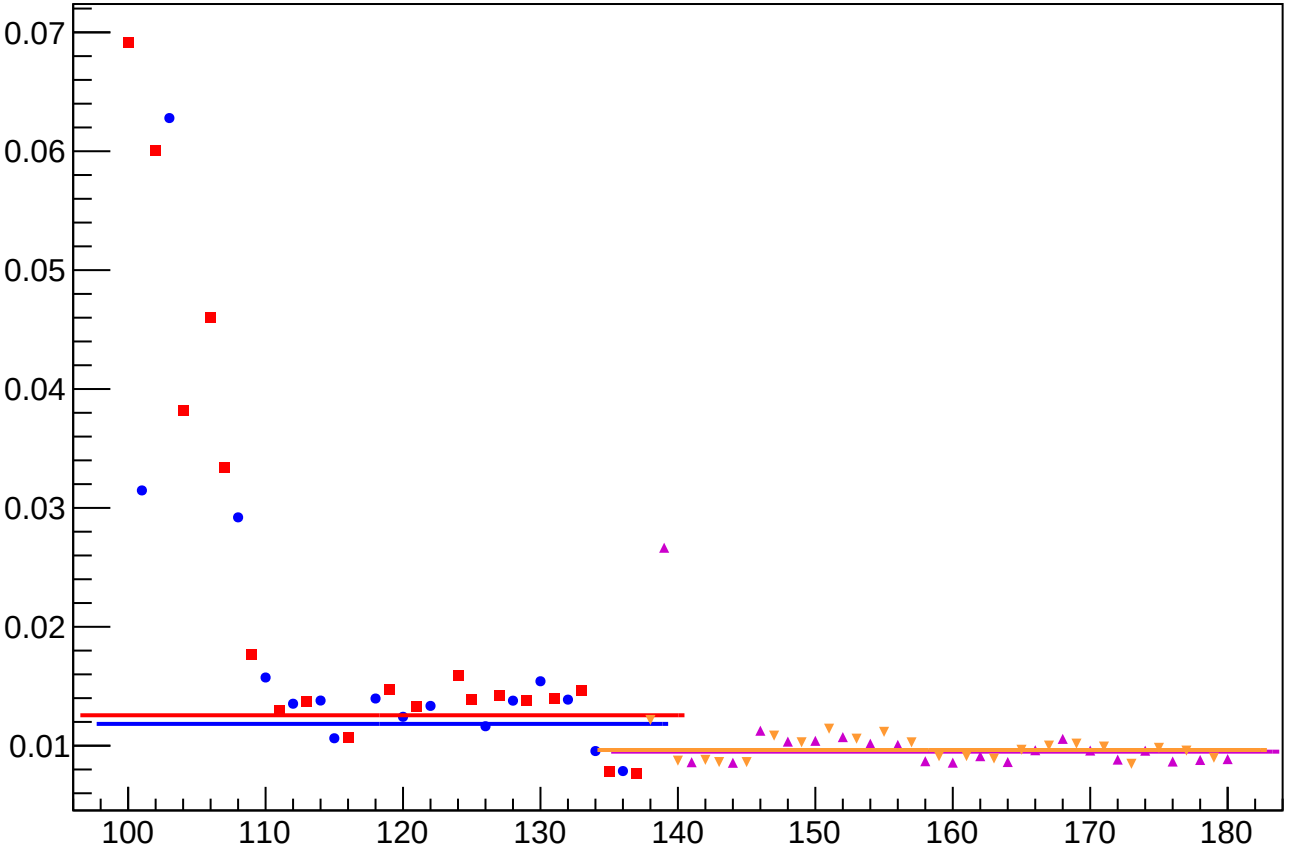
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.053+/-0.000 χ^2/NDF:4399505957.2/36

Out: -0.037+/-0.000 χ^2/NDF:3641098439.1/40

All: -0.045+/-0.000 χ^2/NDF: 8065897643.6/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:262328.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.009+/-0.000 χ^2/NDF:900431.9/20

Left: 0.010+/-0.000 χ^2/NDF: 1165805.6/42

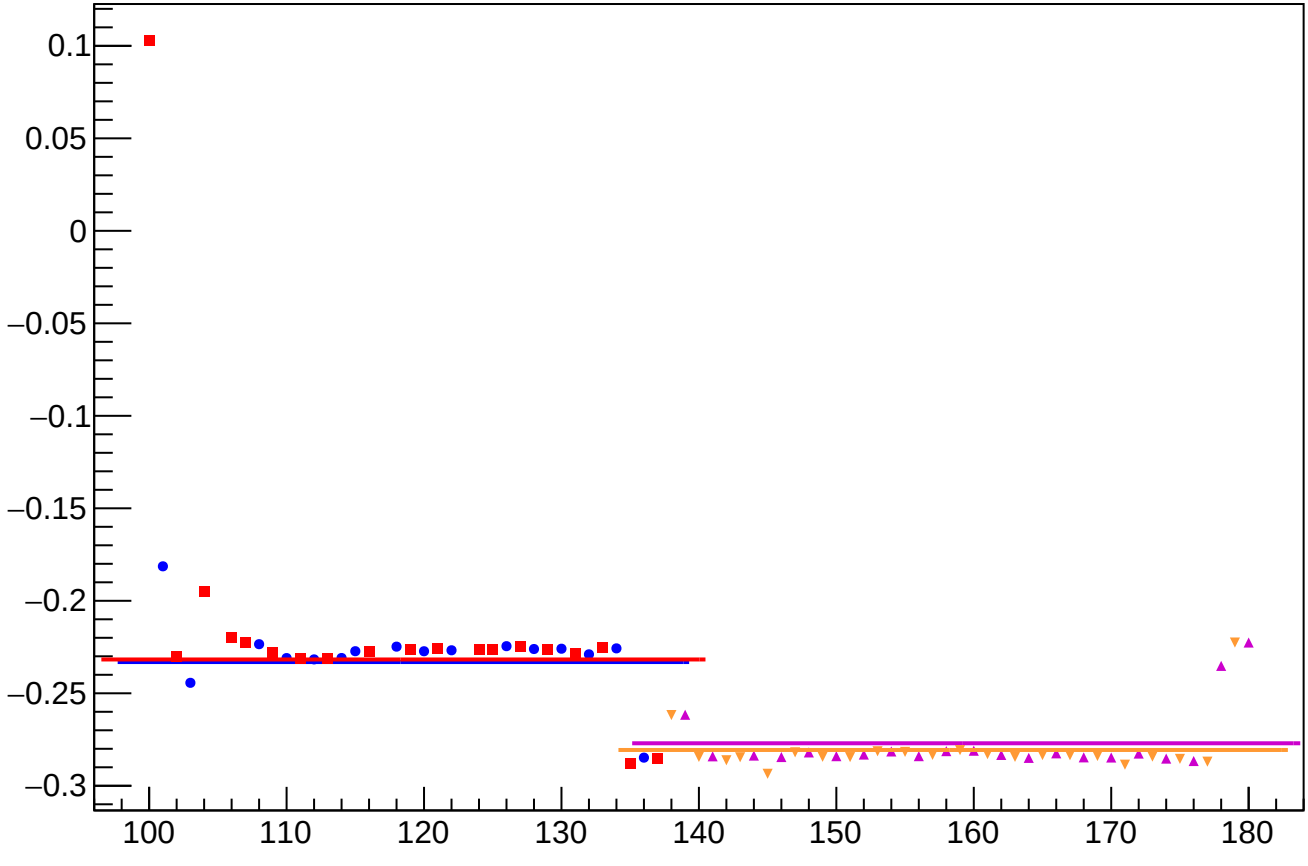
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3159283.4/36

Out: 0.010+/-0.000 χ^2/NDF:2931372.4/40

All: 0.010+/-0.000 χ^2/NDF: 6098260.4/77

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:137446645.7/21

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.277+/-0.000 χ^2/NDF:190010075.4/20

Left: -0.279+/-0.000 χ^2/NDF: 331577818.5/42

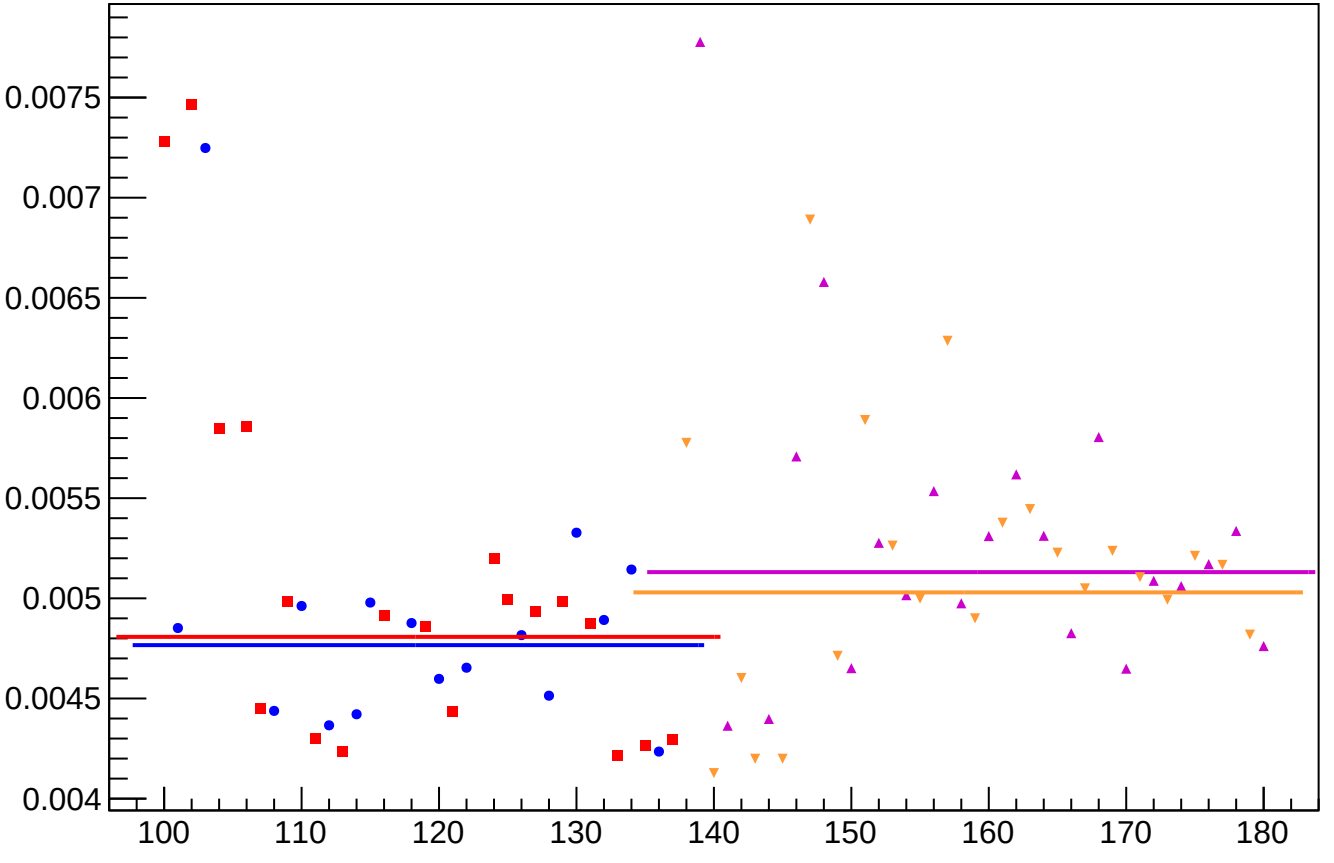
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.263+/-0.000 χ^2/NDF:762902507.3/36

Out: -0.265+/-0.000 χ^2/NDF:903474699.5/40

All: -0.264+/-0.000 χ^2/NDF: 1668815228.1/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:462621.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:477074.1/20

Left: 0.005+/-0.000 χ^2/NDF: 946130.8/42

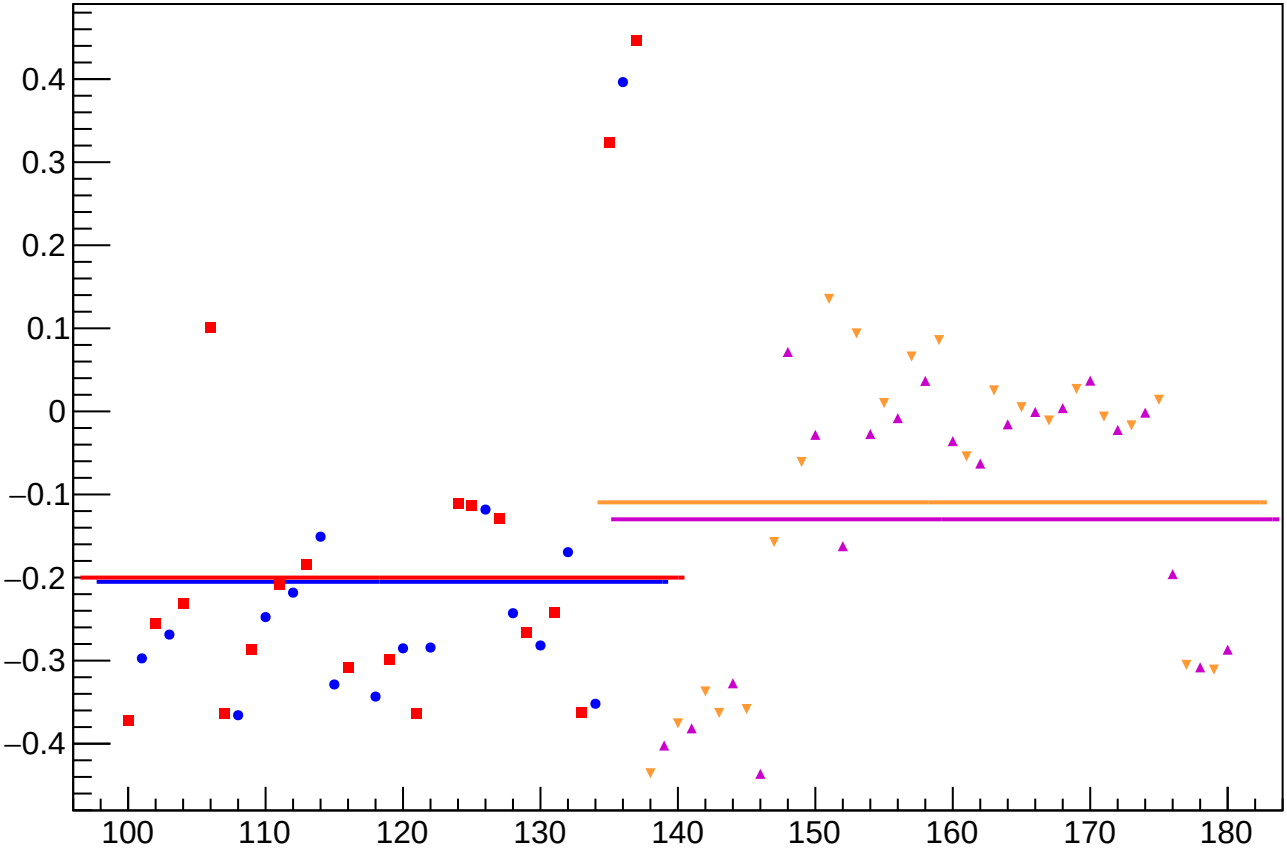
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:720327.7/36

Out: 0.005+/-0.000 χ^2/NDF:776076.3/40

All: 0.005+/-0.000 χ^2/NDF: 1499167.7/77

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:18601301810.5/21

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.130+/-0.000 χ^2/NDF:14054521466.2/20

Left: -0.120+/-0.000 χ^2/NDF: 32768458870.8/42

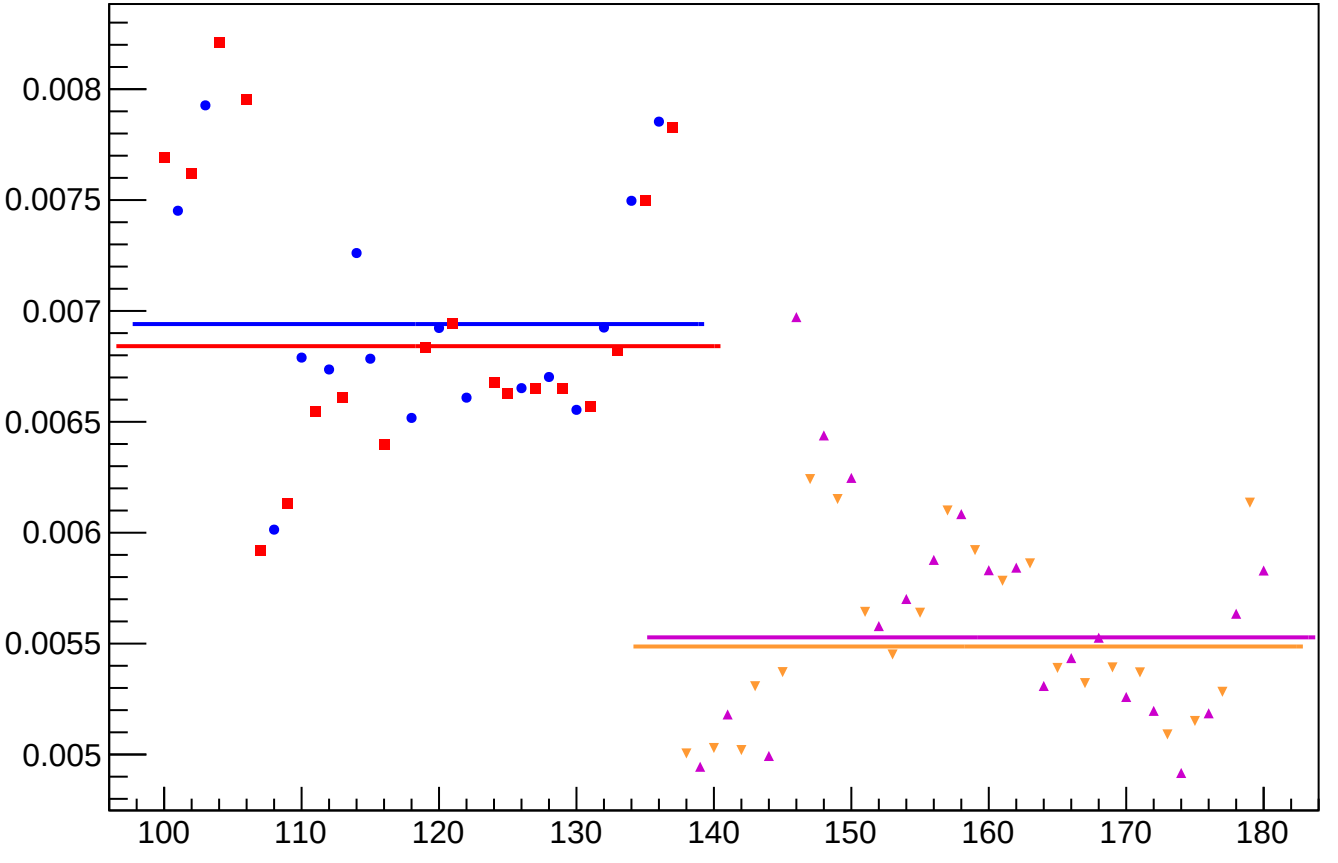
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.146+/-0.000 χ^2/NDF:20891772712.6/36

Out: -0.129+/-0.000 χ^2/NDF:24838756073.0/40

All: -0.138+/-0.000 χ^2/NDF: 45827809113.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:152321.5/21

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:241036.1/20

Left: 0.006+/-0.000 χ^2/NDF: 394276.7/42

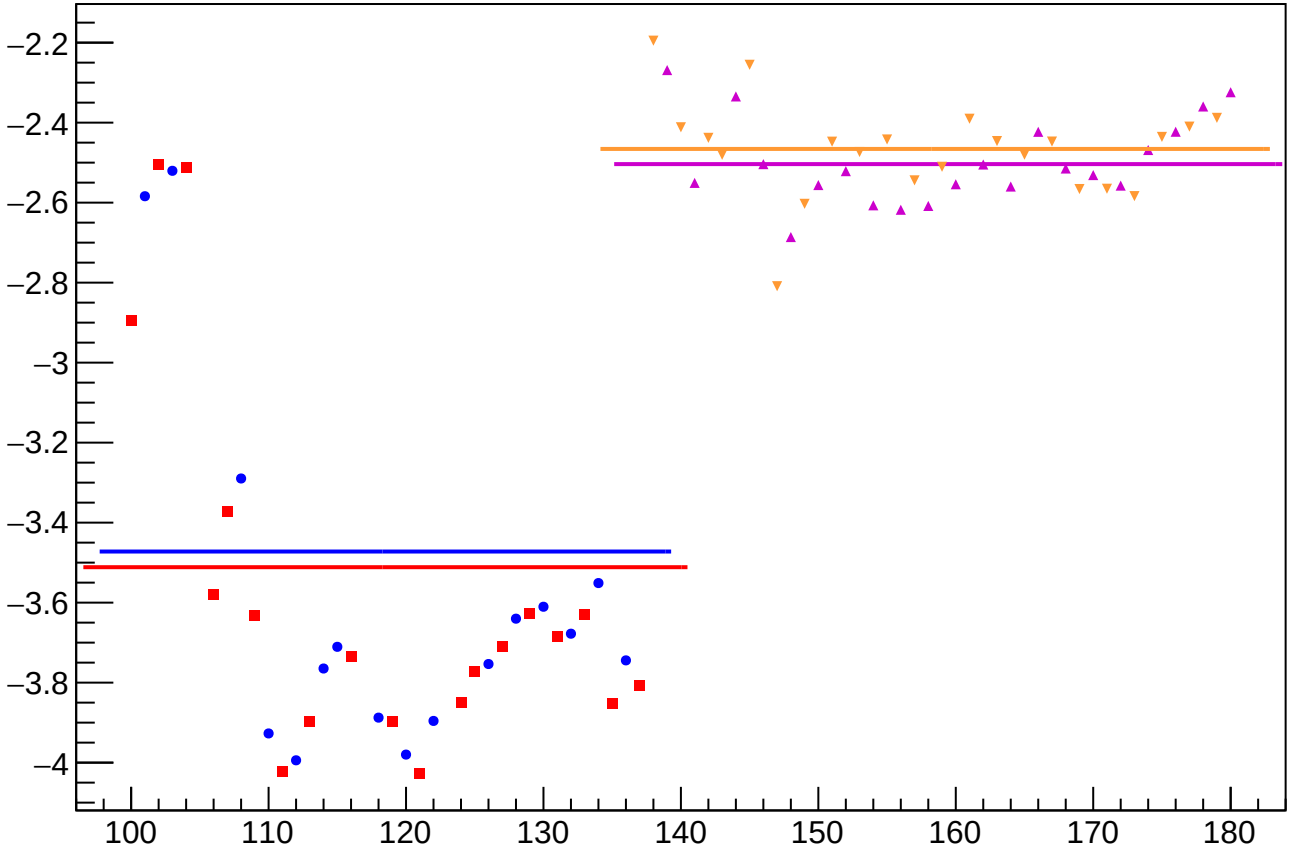
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:783297.0/36

Out: 0.006+/-0.000 χ^2/NDF:693618.2/40

All: 0.006+/-0.000 χ^2/NDF: 1478575.7/77

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.466+/-0.000 χ^2/NDF:2158516397.6/21

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.504+/-0.000 χ^2/NDF:2181285644.4/20

Left: -2.484+/-0.000 χ^2/NDF: 4500940983.3/42

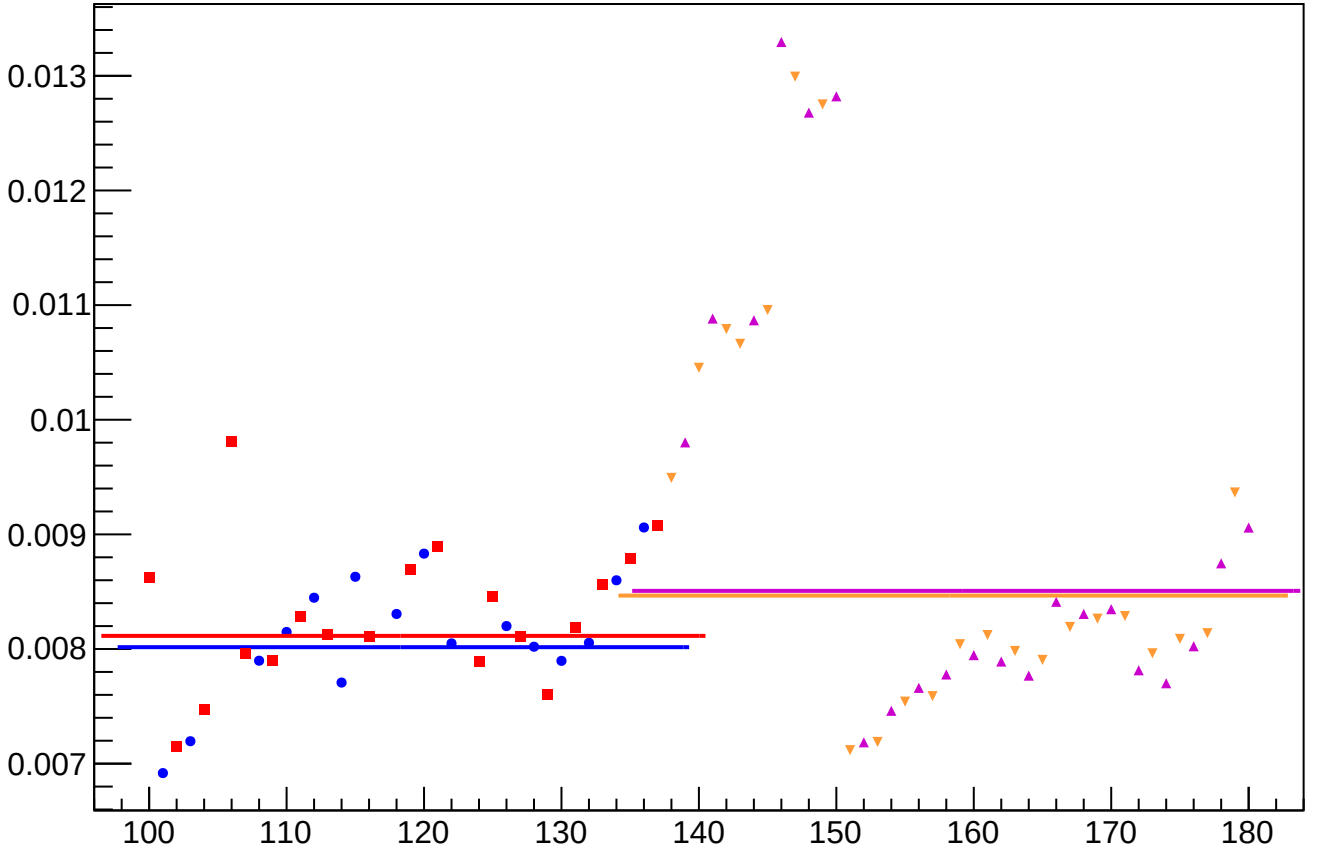
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.823+/-0.000 χ^2/NDF:100179091257.6/36

Out: -2.803+/-0.000 χ^2/NDF:111873174887.4/40

All: -2.813+/-0.000 χ^2/NDF: 212114679200.6

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:776481.6/21

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:897143.0/20

Left: 0.008+/-0.000 χ^2/NDF: 1674002.4/42

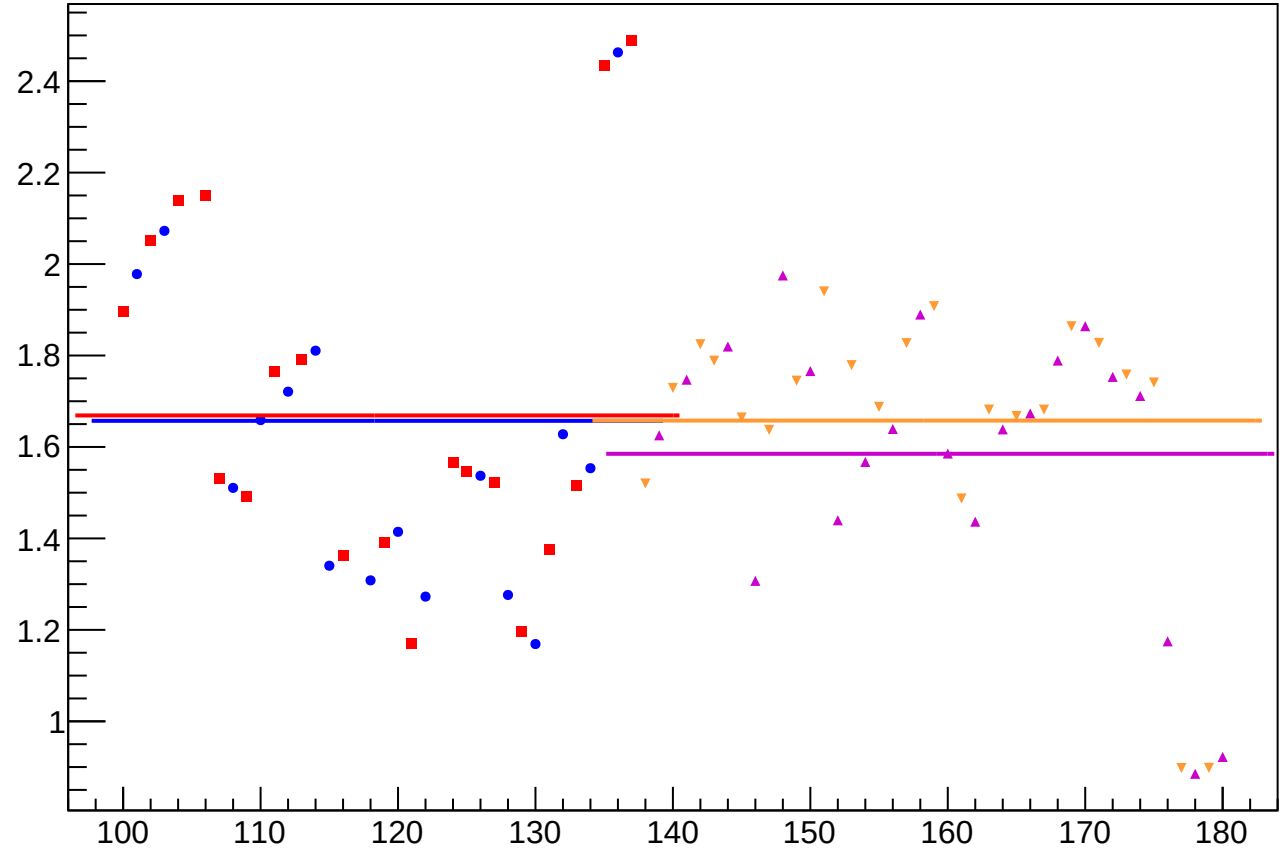
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1018567.2/36

Out: 0.008+/-0.000 χ^2/NDF:865636.2/40

All: 0.008+/-0.000 χ^2/NDF: 1884220.8/77

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.658+/-0.000 χ^2/NDF:9982784234.9/21

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.585+/-0.000 χ^2/NDF:11171627412.0/20

Left: 1.622+/-0.000 χ^2/NDF: 21503451175.3/42

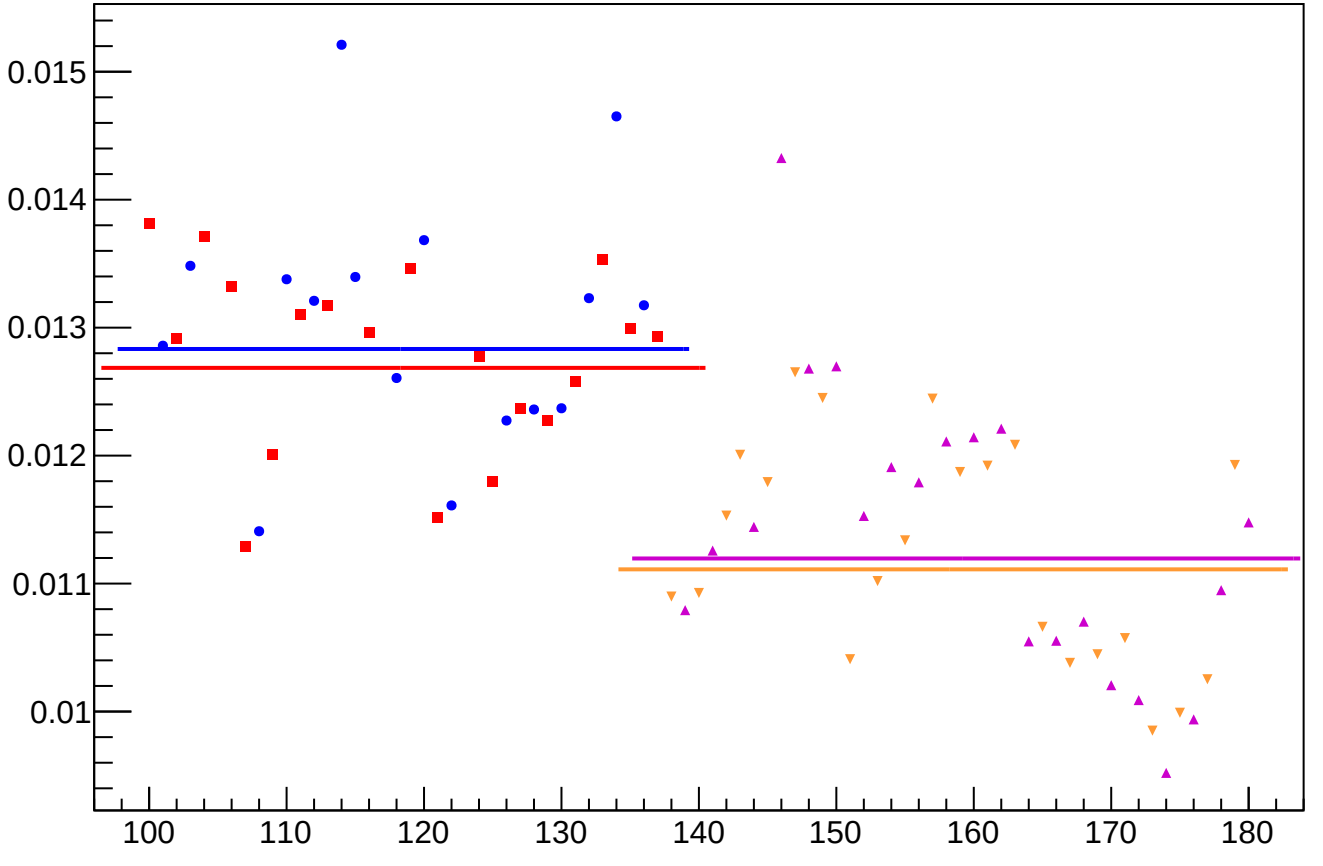
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.603+/-0.000 χ^2/NDF:18004658608.5/36

Out: 1.660+/-0.000 χ^2/NDF:16344628669.3/40

All: 1.632+/-0.000 χ^2/NDF: 34641603212.4/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:191244.5/21

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:284256.1/20

Left: 0.011+/-0.000 χ^2/NDF: 476454.8/42

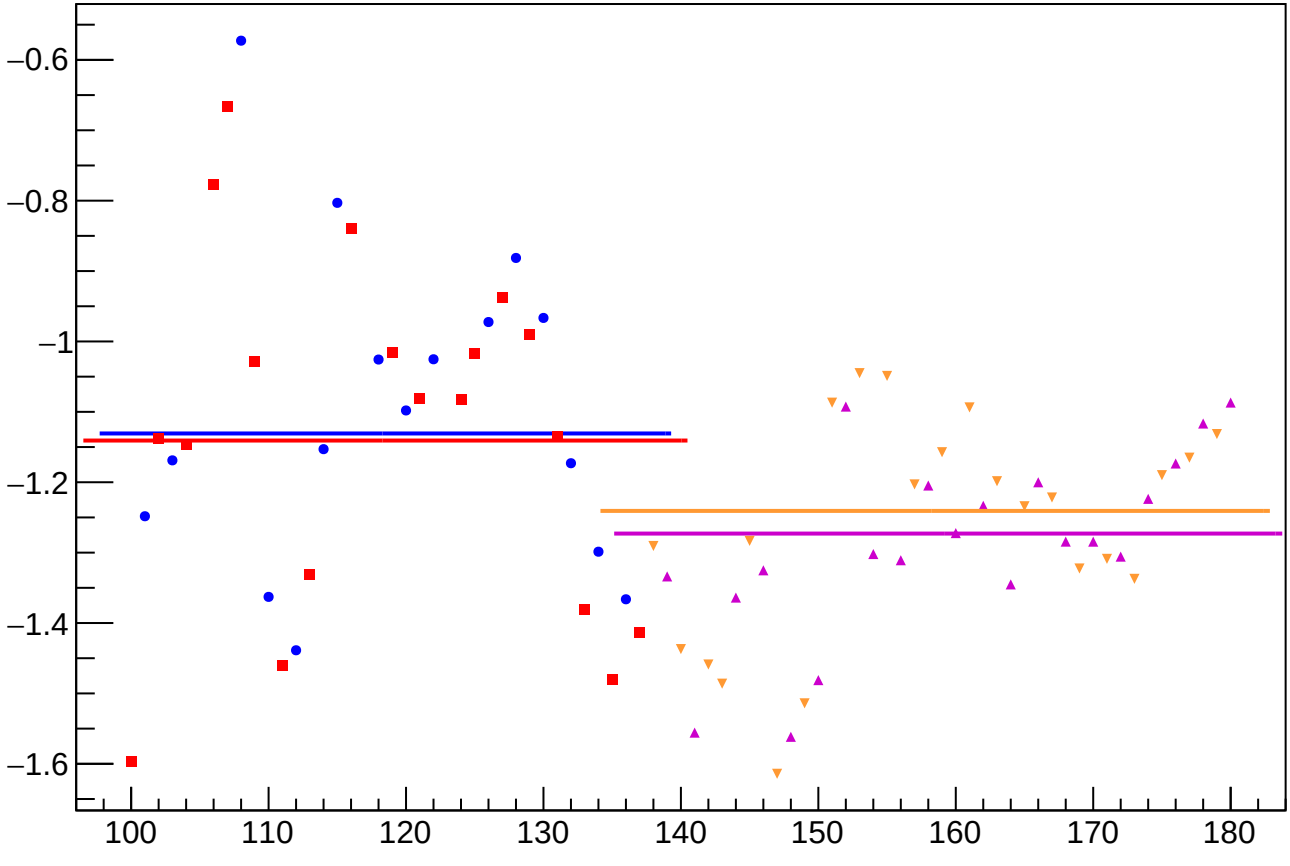
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:508800.4/36

Out: 0.012+/-0.000 χ^2/NDF:401324.0/40

All: 0.012+/-0.000 χ^2/NDF: 911754.2/77

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.241+/-0.000 χ^2/NDF:4915707257.1/21

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.273+/-0.000 χ^2/NDF:3495916003.7/20

Left: -1.257+/-0.000 χ^2/NDF: 8540426518.2/42

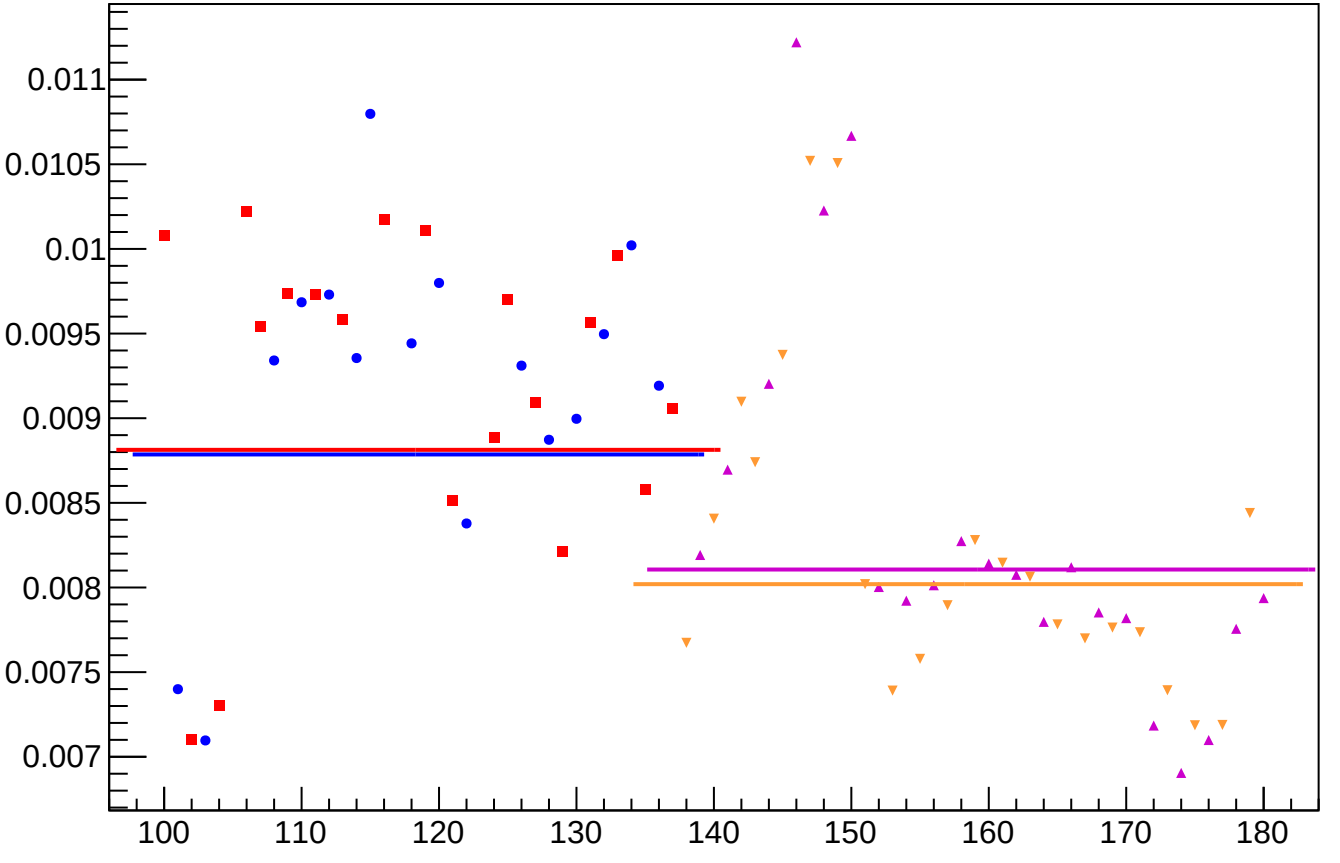
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.235+/-0.000 χ^2/NDF:8602401825.1/36

Out: -1.215+/-0.000 χ^2/NDF:9119114913.1/40

All: -1.225+/-0.000 χ^2/NDF: 17792137227.6/

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:298071.4/21

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:403141.0/20

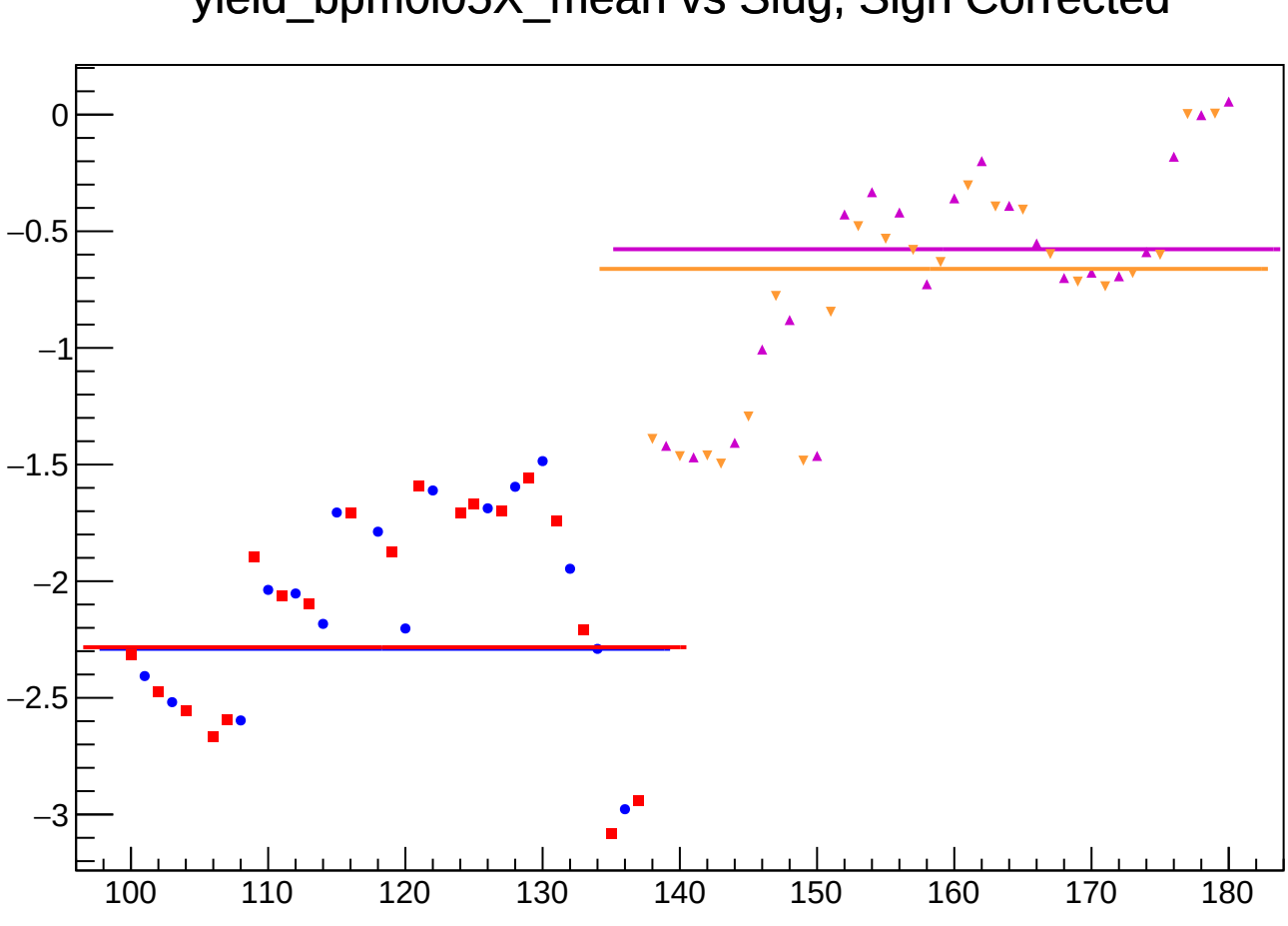
Left: 0.008+/-0.000 χ^2/NDF: 703067.8/42

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:636769.1/36

Out: 0.008+/-0.000 χ^2/NDF:585598.7/40

All: 0.008+/-0.000 χ^2/NDF: 1223585.8/77



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.661+/-0.000 χ^2/NDF:57155135744.1/21

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.577+/-0.000 χ^2/NDF:61511033986.3/20

Left: -0.619+/-0.000 χ^2/NDF: 119884756077.0/42

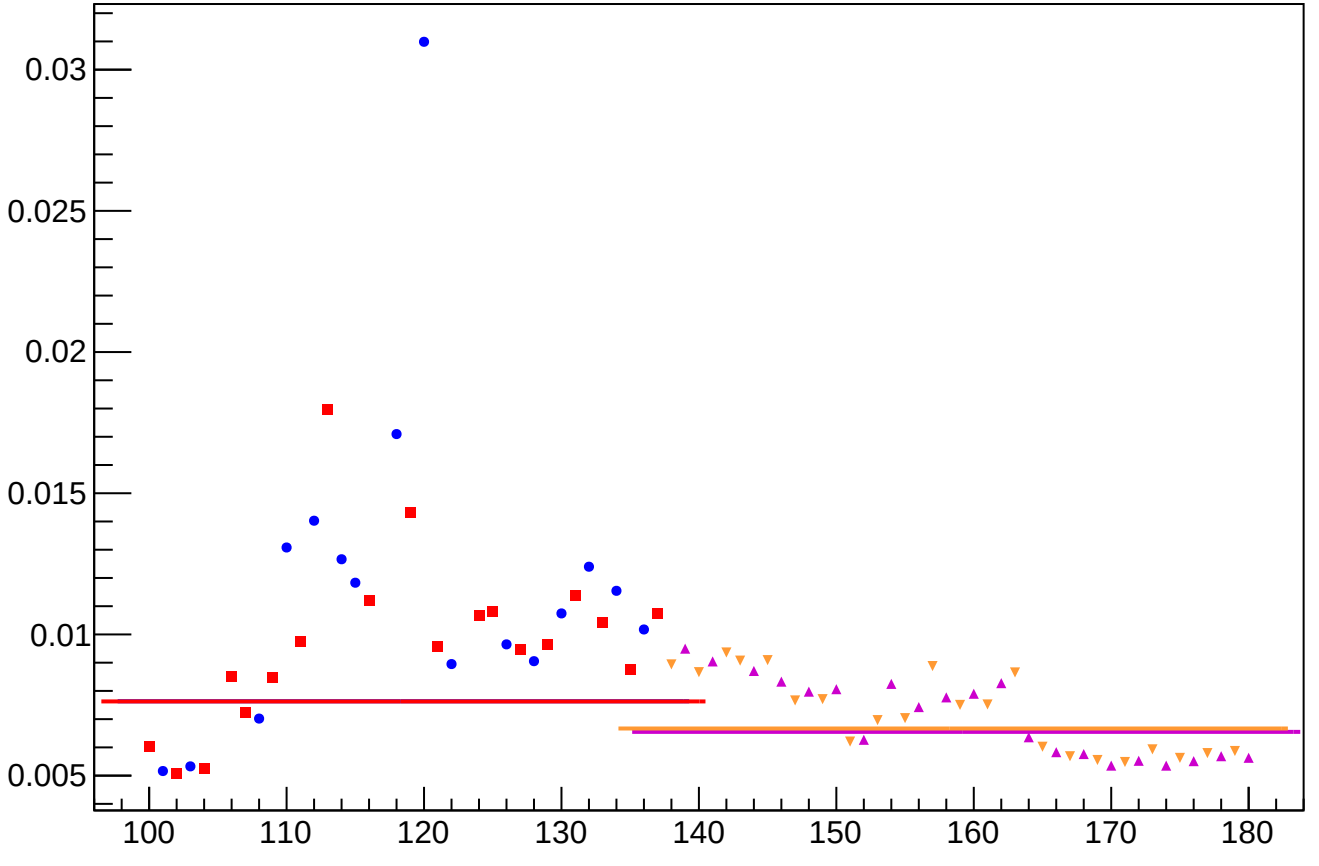
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -0.921+/-0.000 χ^2/NDF:281243083378.2/36

Out: -1.018+/-0.000 χ^2/NDF:269666695824.6/40

All: -0.969+/-0.000 χ^2/NDF: 552930784143.

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:1019652.2/21

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1145271.2/20

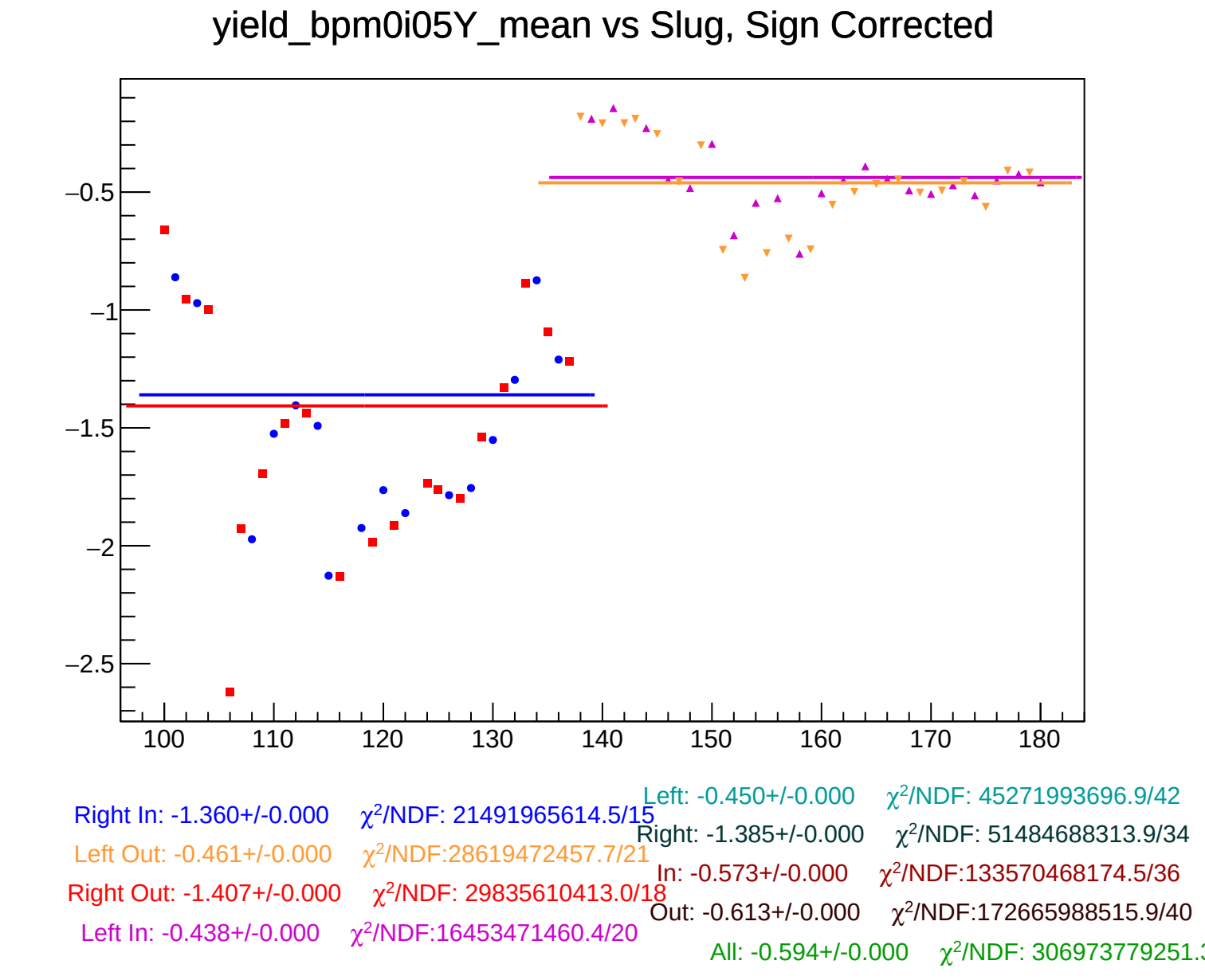
Left: 0.007+/-0.000 χ^2/NDF: 2169801.9/42

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

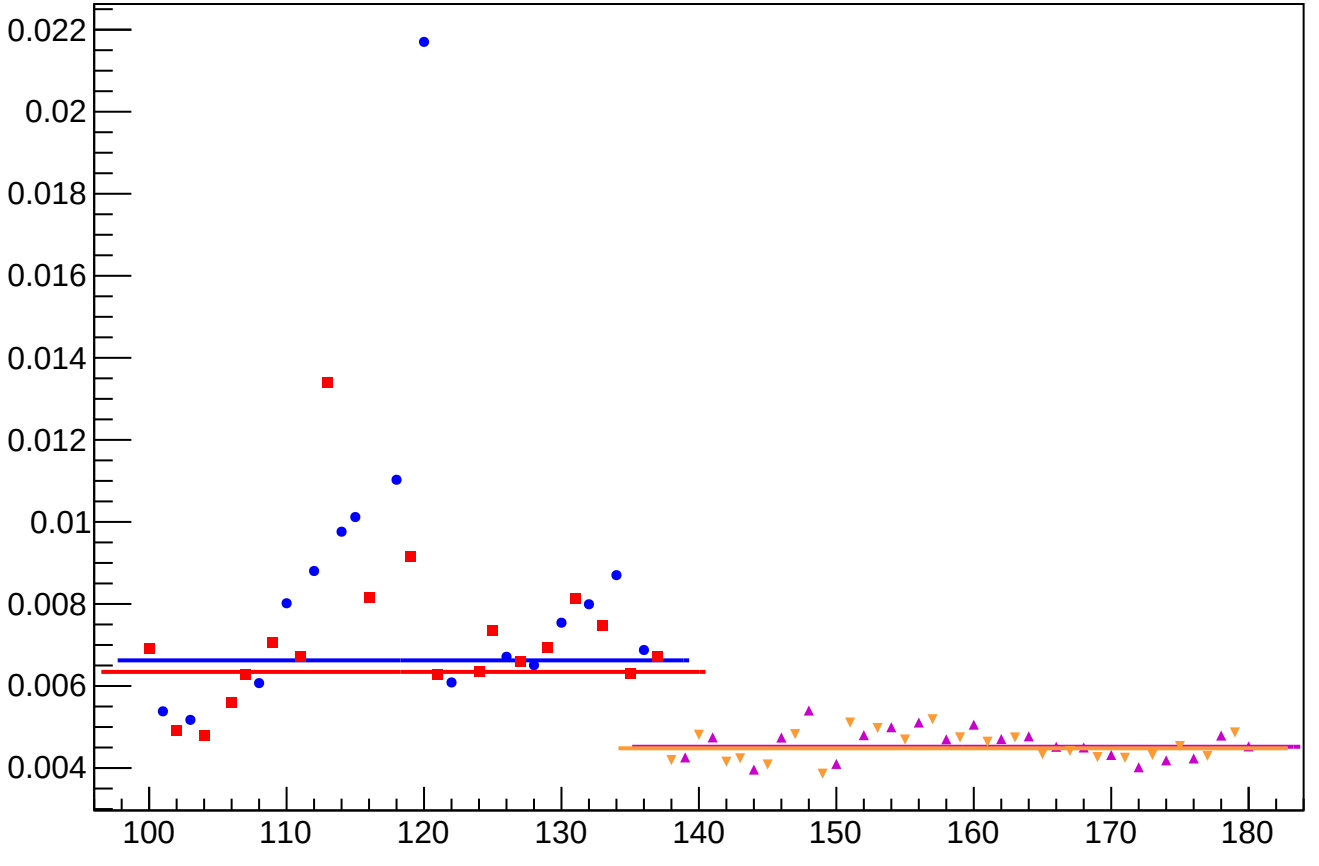
In: 0.007+/-0.000 χ^2/NDF:3019694.5/36

Out: 0.007+/-0.000 χ^2/NDF:2474019.3/40

All: 0.007+/-0.000 χ^2/NDF: 5499186.1/77


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.461+/-0.000 χ²/NDF:28619472457.7/21
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.438+/-0.000 χ²/NDF:16453471460.4/20
Left: -0.450+/-0.000 χ²/NDF: 45271993696.9/42
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.573+/-0.000 χ²/NDF:133570468174.5/36
Out: -0.613+/-0.000 χ²/NDF:172665988515.9/40
All: -0.594+/-0.000 χ²/NDF: 306973779251.3

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:182534.8/21

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208505.9/20

Left: 0.004+/-0.000 χ^2/NDF: 392136.9/42

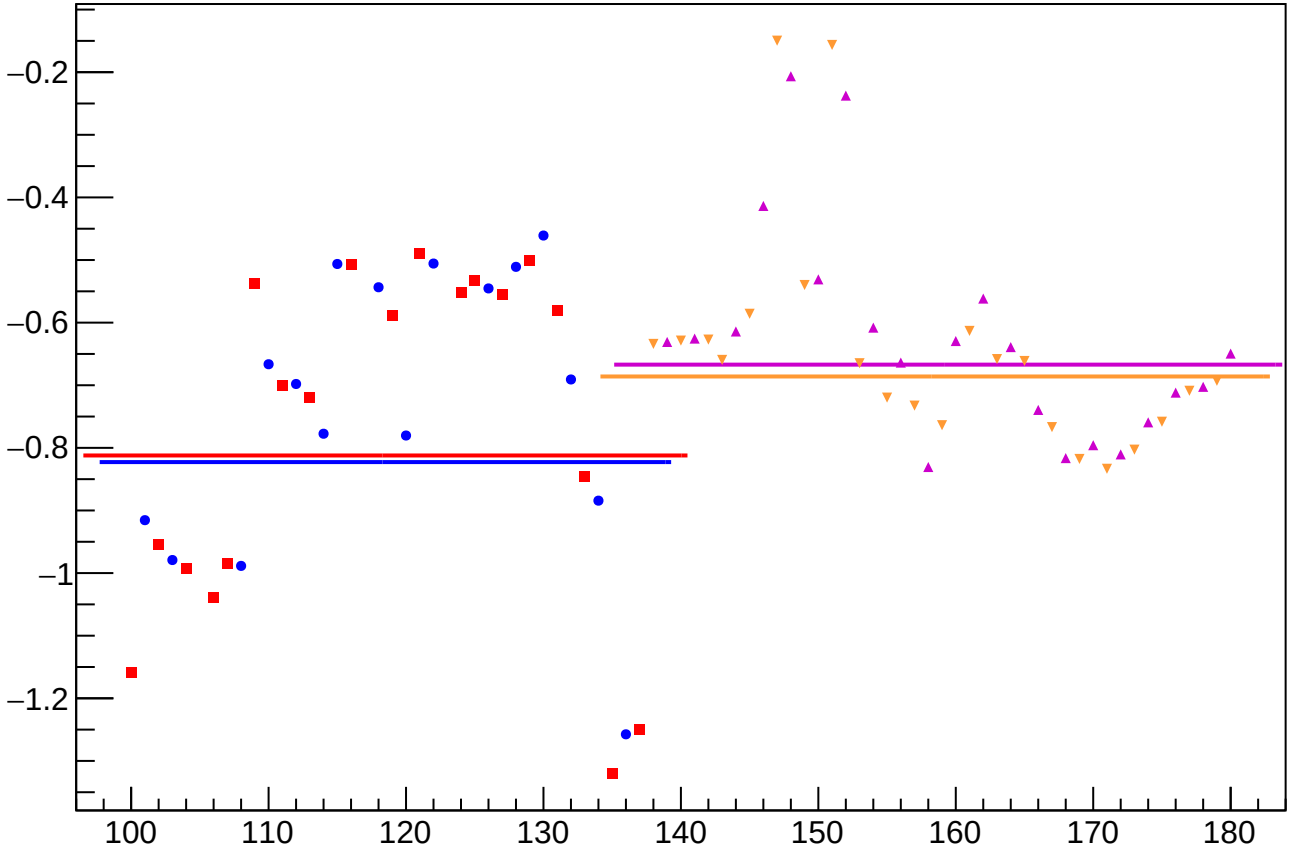
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1900526.9/36

Out: 0.005+/-0.000 χ^2/NDF:1596047.2/40

All: 0.005+/-0.000 χ^2/NDF: 3498532.2/77

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.686+/-0.000 χ^2/NDF:22330337381.0/21

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.667+/-0.000 χ^2/NDF:22520575744.4/20

Left: -0.676+/-0.000 χ^2/NDF: 45007918630.0/42

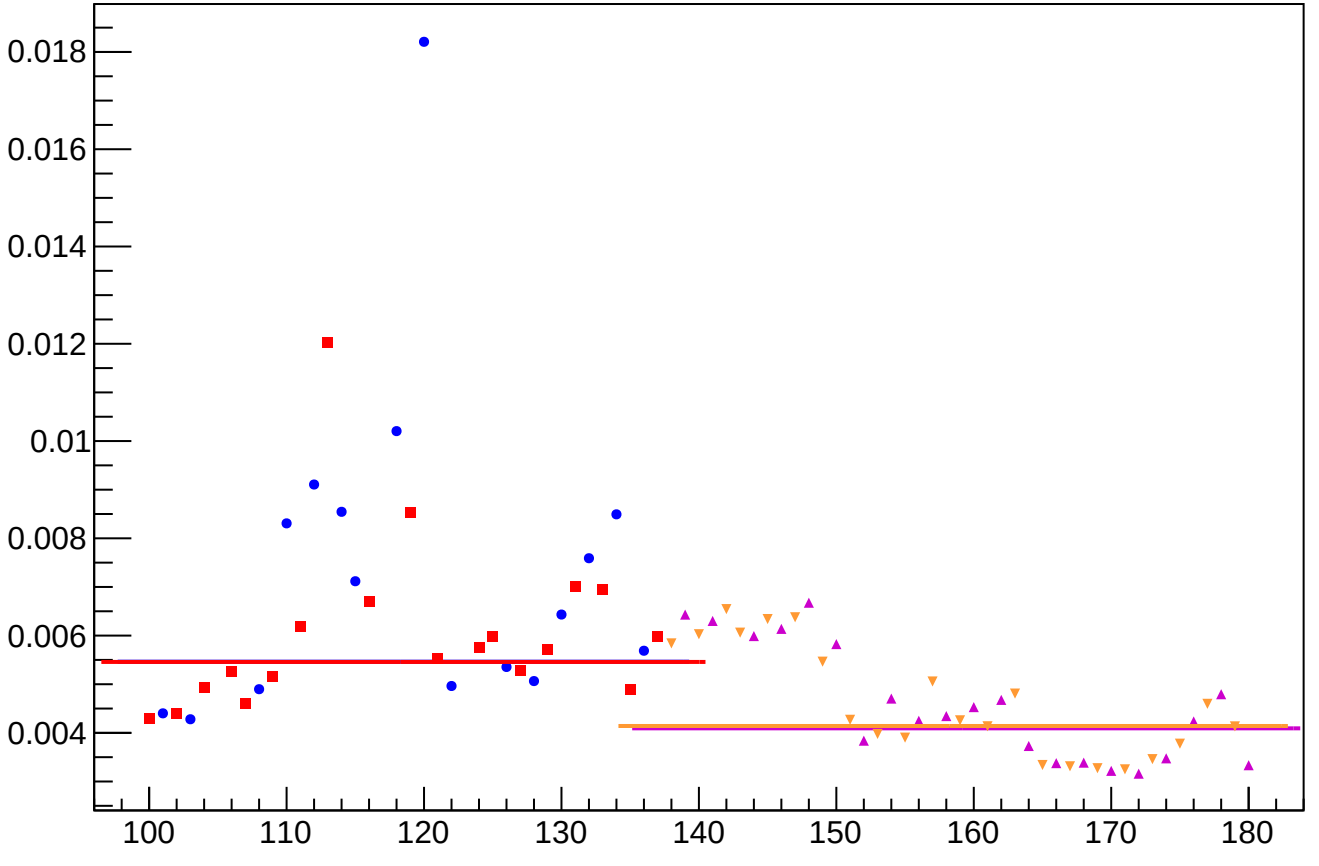
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.694+/-0.000 χ^2/NDF:38447029737.3/36

Out: -0.710+/-0.000 χ^2/NDF:39762219545.1/40

All: -0.702+/-0.000 χ^2/NDF: 78341360593.5/

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:1502799.5/21

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1731804.5/20

Left: 0.004+/-0.000 χ^2/NDF: 3236656.0/42

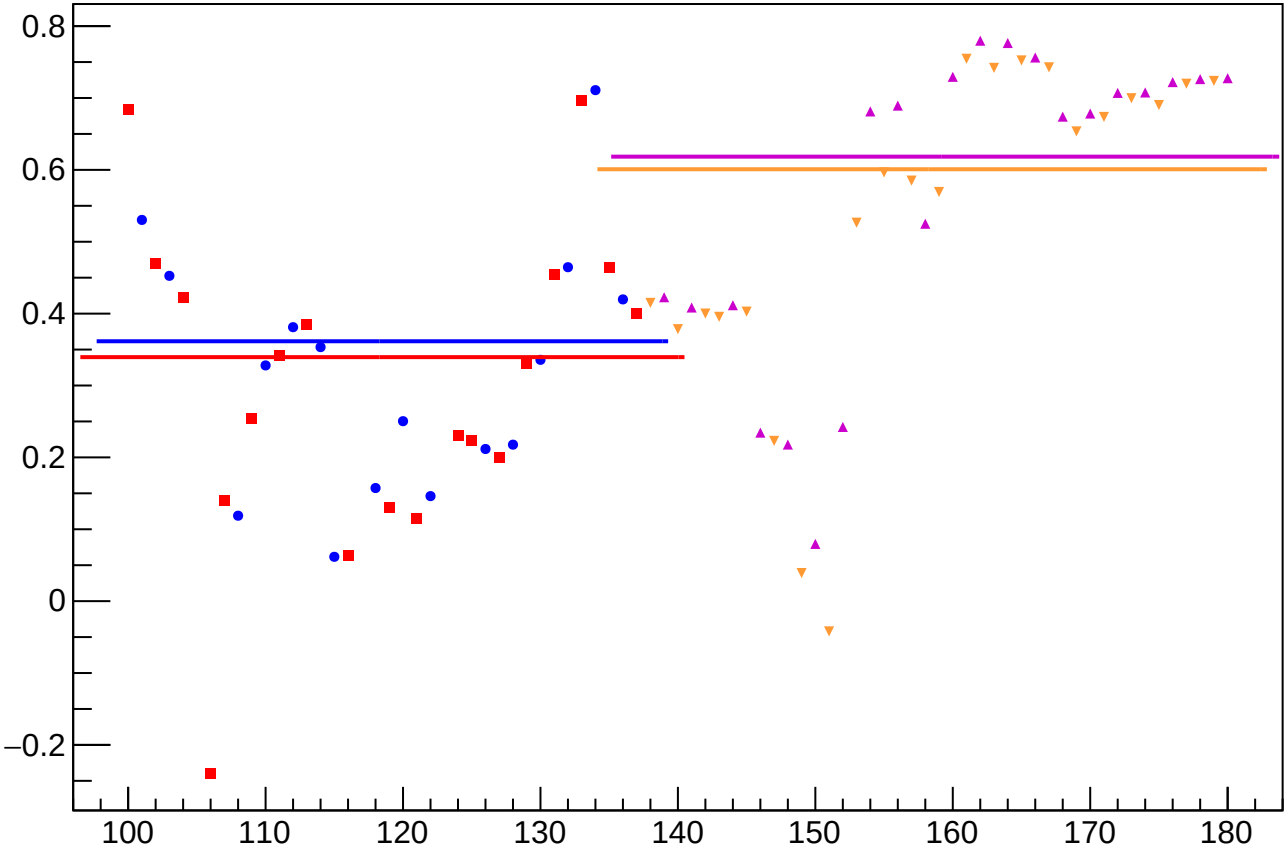
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3266844.2/36

Out: 0.004+/-0.000 χ^2/NDF:2578745.2/40

All: 0.004+/-0.000 χ^2/NDF: 5849303.0/77

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.601+/-0.000 χ^2/NDF:43857412144.0/21

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.618+/-0.000 χ^2/NDF:39470674949.3/20

Left: 0.610+/-0.000 χ^2/NDF: 83513100000.2/42

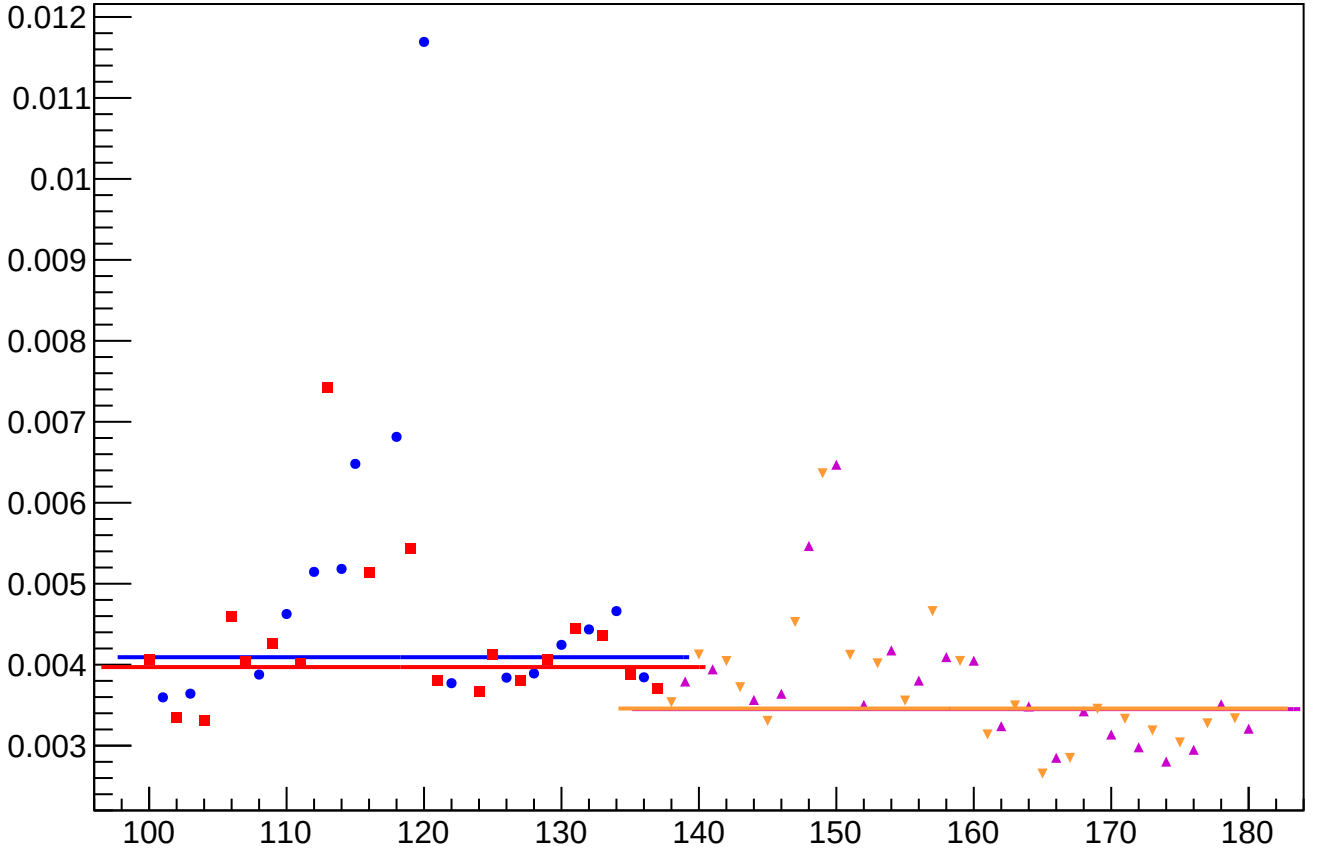
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.558+/-0.000 χ^2/NDF:66748526050.9/36

Out: 0.535+/-0.000 χ^2/NDF:76717448993.4/40

All: 0.547+/-0.000 χ^2/NDF: 143903922518.0

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:809314.4/21

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:873646.9/20

Left: 0.003+/-0.000 χ^2/NDF: 1683029.2/42

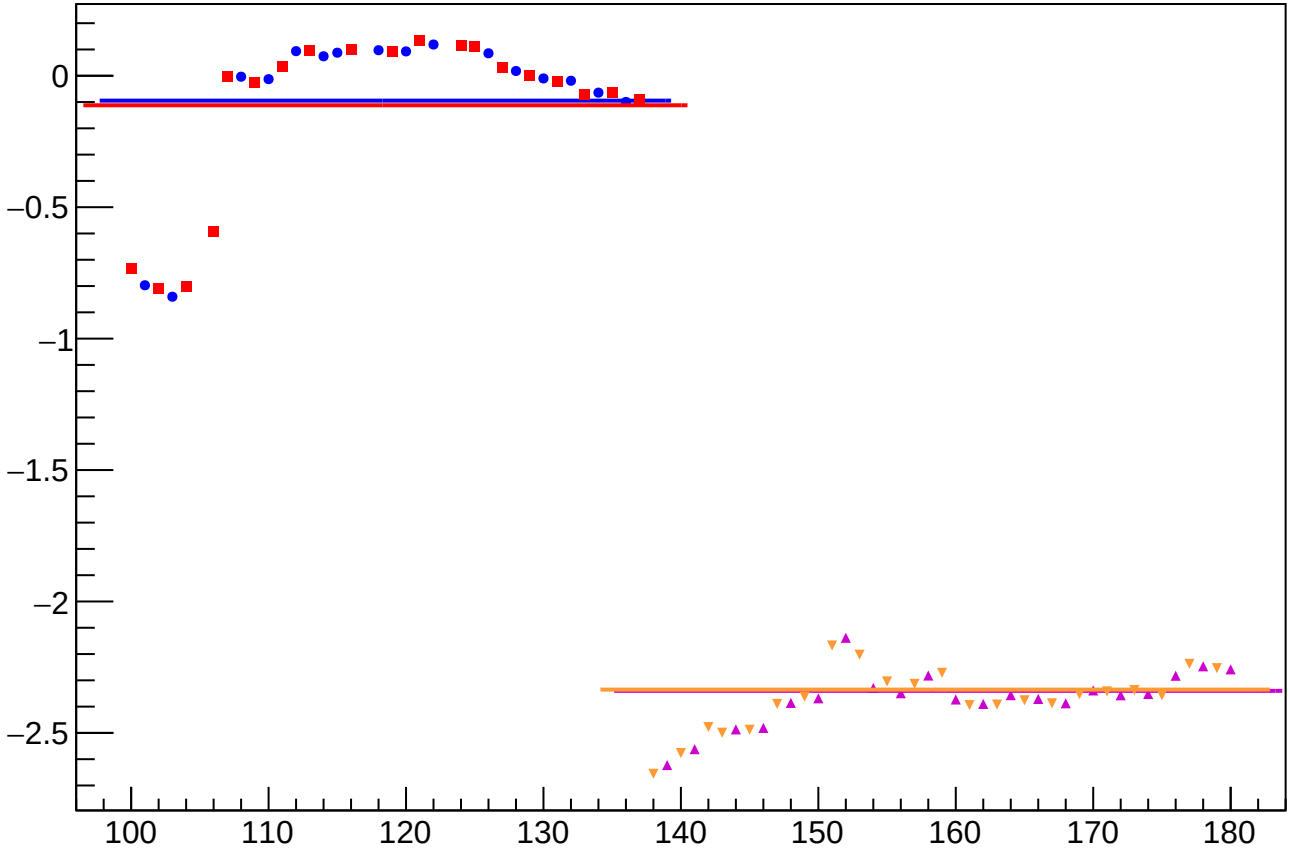
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1596251.8/36

Out: 0.004+/-0.000 χ^2/NDF:1282458.6/40

All: 0.004+/-0.000 χ^2/NDF: 2878986.6/77

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1916404238.0/21

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.340+/-0.000 χ^2/NDF:1592335074.5/20

Left: -2.338+/-0.000 χ^2/NDF: 3511004839.7/42

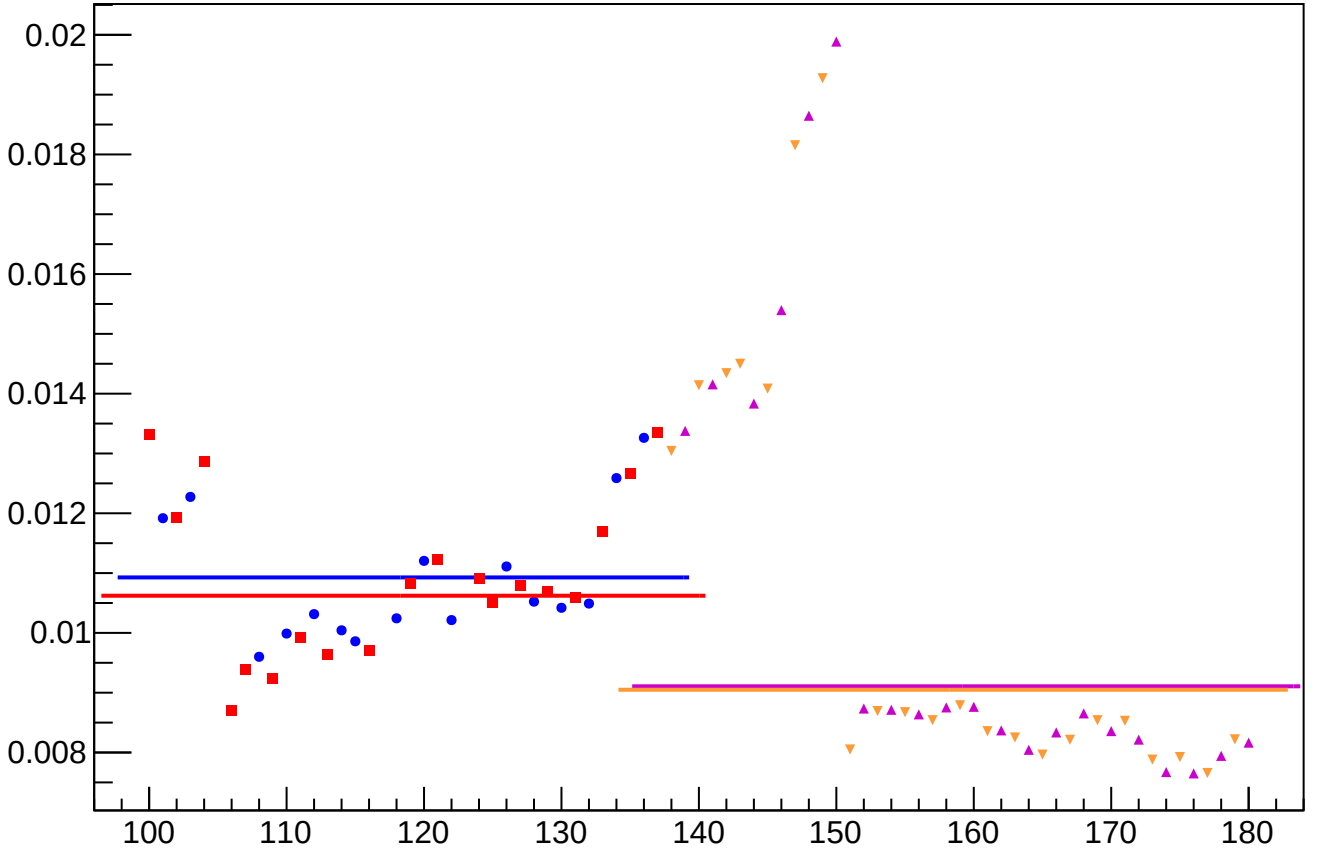
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.812+/-0.000 χ^2/NDF:237066876288.7/36

Out: -1.786+/-0.000 χ^2/NDF:251245162534.8/40

All: -1.799+/-0.000 χ^2/NDF: 488397437653.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2047860.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2125761.7/20

Left: 0.009+/-0.000 χ^2/NDF: 4174272.0/42

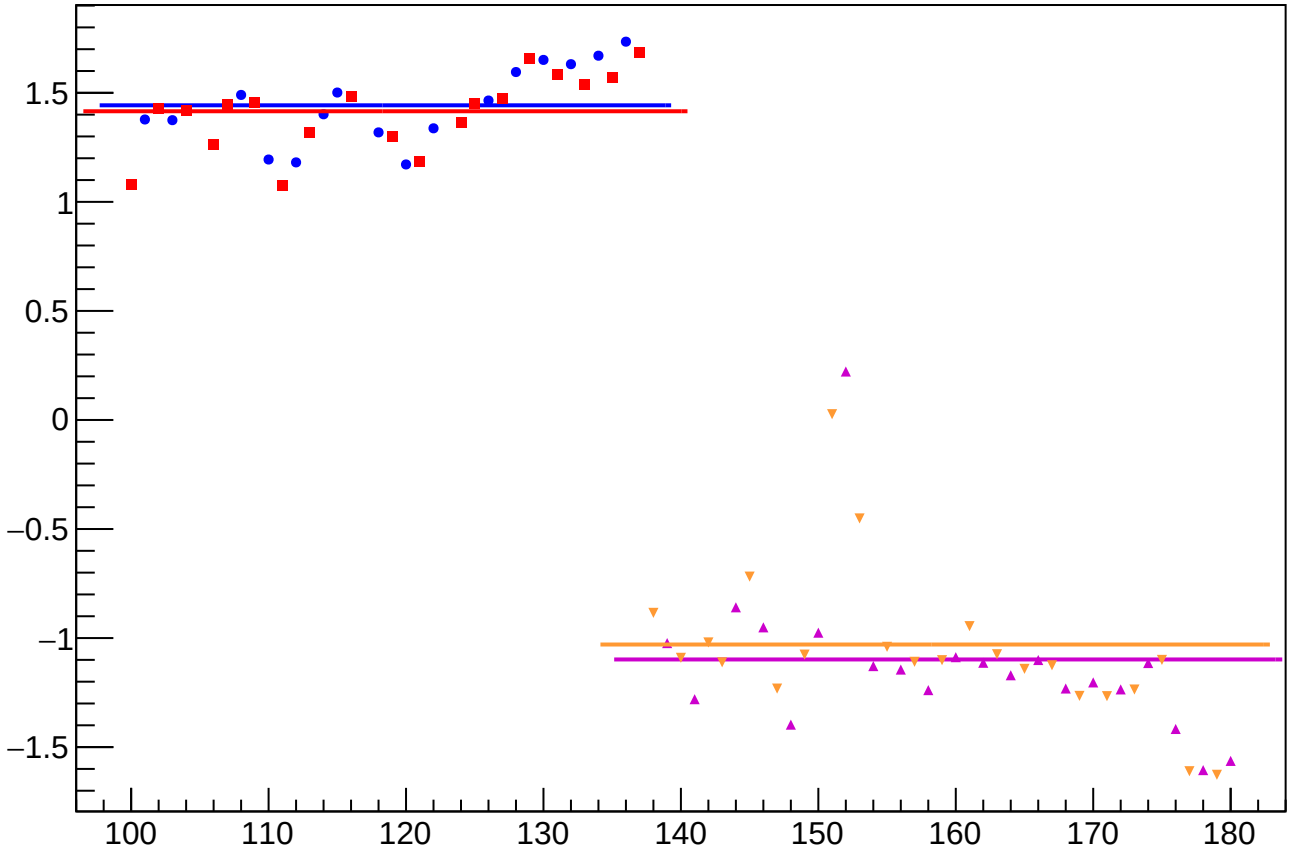
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2564622.2/36

Out: 0.009+/-0.000 χ^2/NDF:2481559.6/40

All: 0.009+/-0.000 χ^2/NDF: 5048643.1/77

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.030+/-0.000 χ^2/NDF:48960368955.8/21

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.098+/-0.000 χ^2/NDF:53656525026.2/20

Left: -1.064+/-0.000 χ^2/NDF: 103353677186.0/42

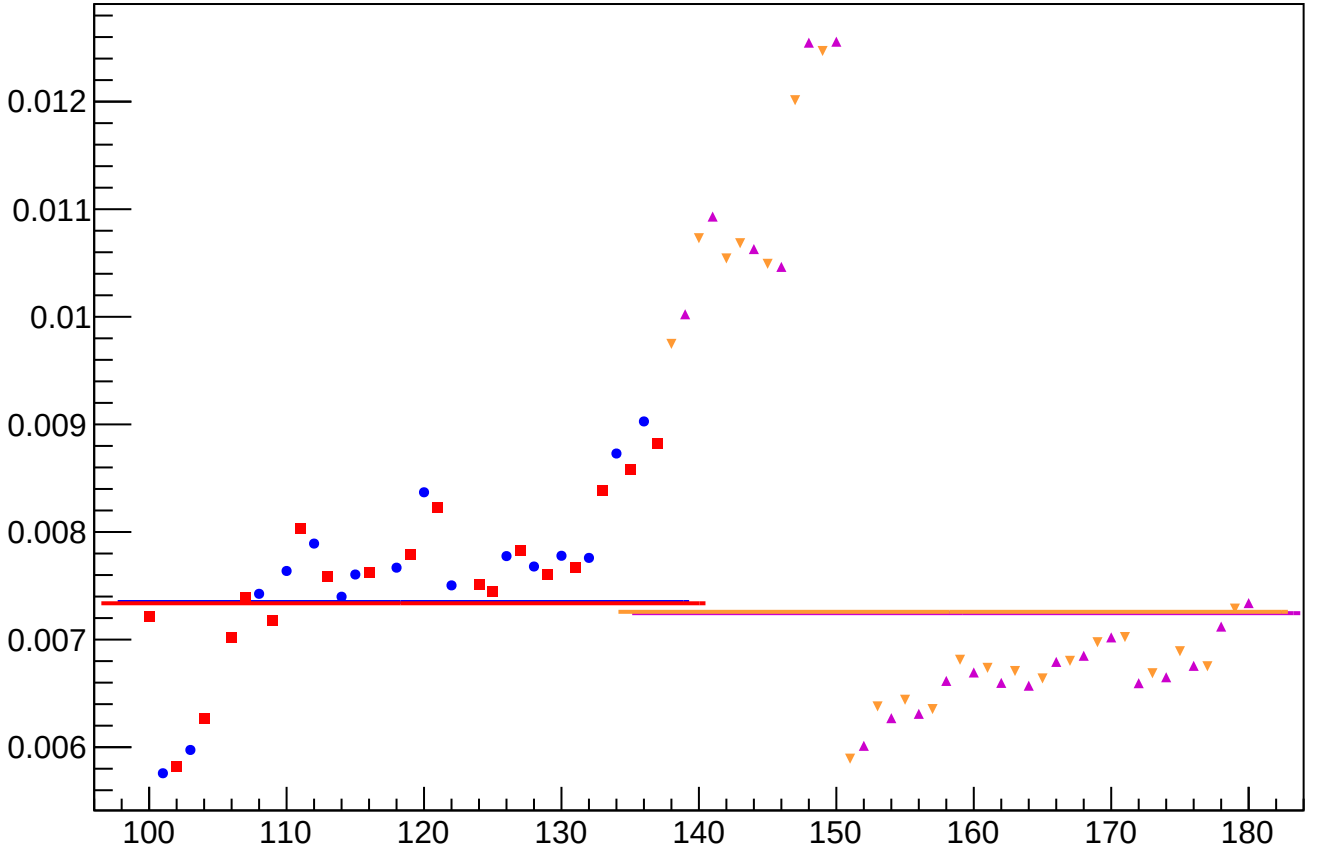
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.348+/-0.000 χ^2/NDF:652564551973.9/36

Out: -0.289+/-0.000 χ^2/NDF:622451234932.2/40

All: -0.318+/-0.000 χ^2/NDF: 1275784835749

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:1487136.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1554104.3/20

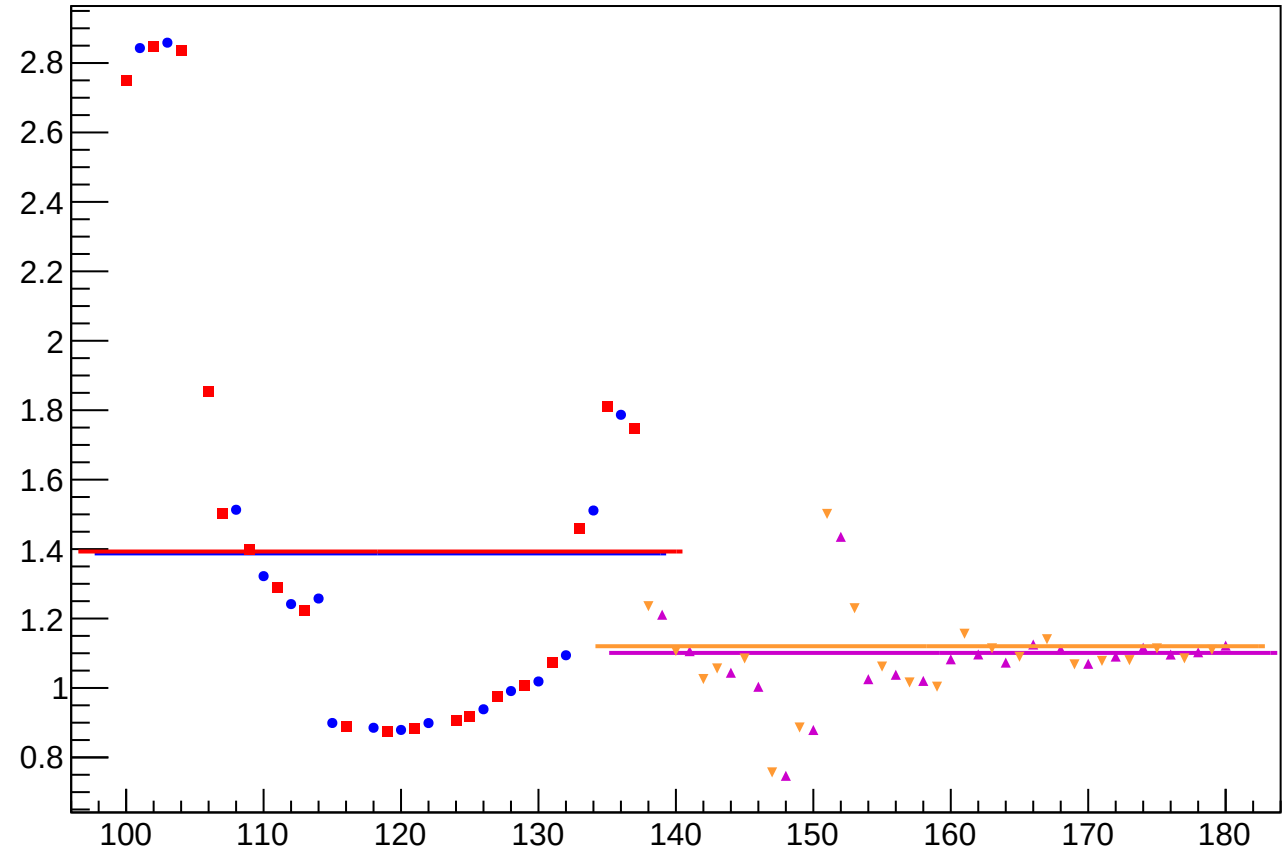
Left: 0.007+/-0.000 χ^2/NDF: 3041290.1/42

Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1826953.7/36

Out: 0.007+/-0.000 χ^2/NDF:1683709.8/40

All: 0.007+/-0.000 χ^2/NDF: 3510679.4/77



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5511825076.4/21

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.101+/-0.000 χ^2/NDF:4193835936.2/20

Left: 1.111+/-0.000 χ^2/NDF: 9765157333.1/42

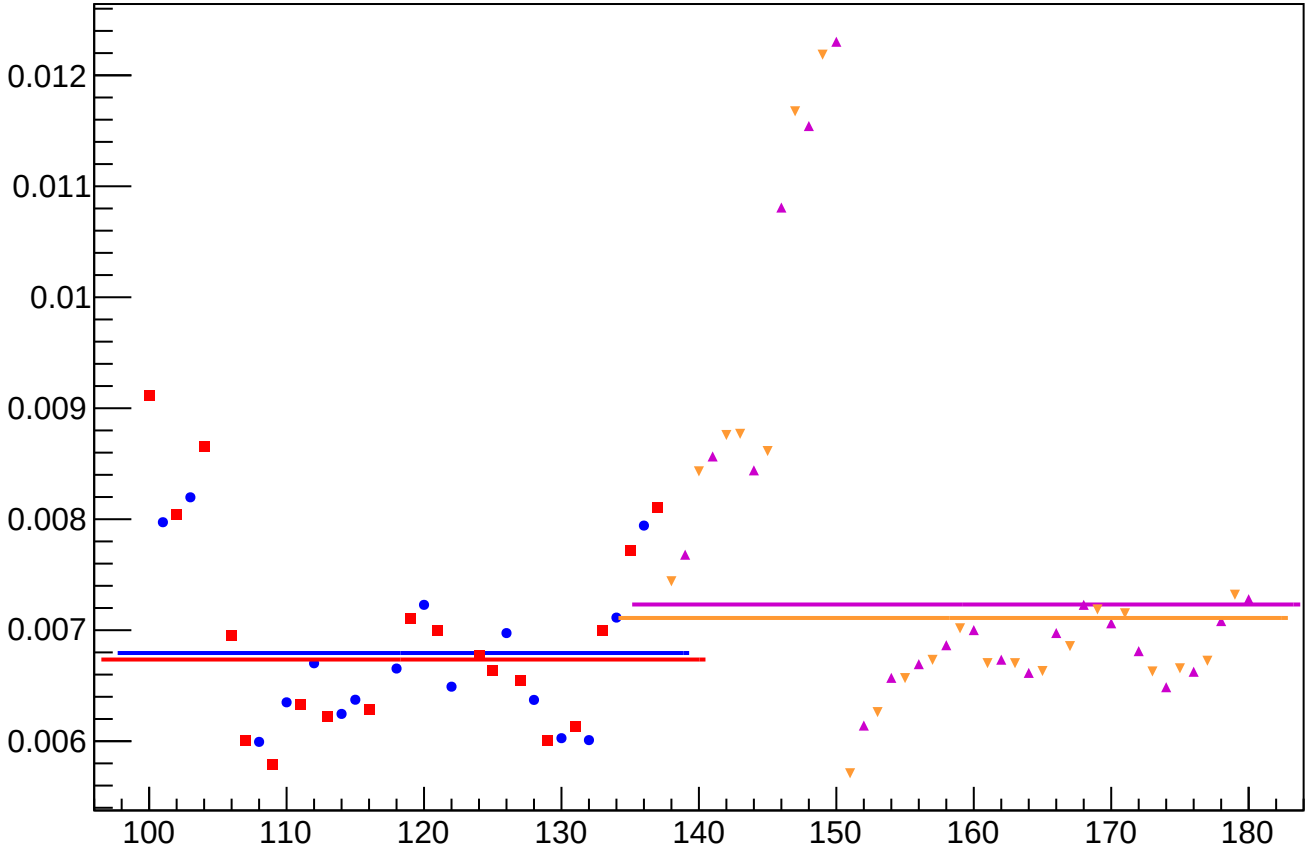
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.195+/-0.000 χ^2/NDF:71290712160.0/36

Out: 1.210+/-0.000 χ^2/NDF:68953551623.3/40

All: 1.203+/-0.000 χ^2/NDF: 140300022551.0

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:850840.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:909485.9/20

Left: 0.007+/-0.000 χ^2/NDF: 1765057.1/42

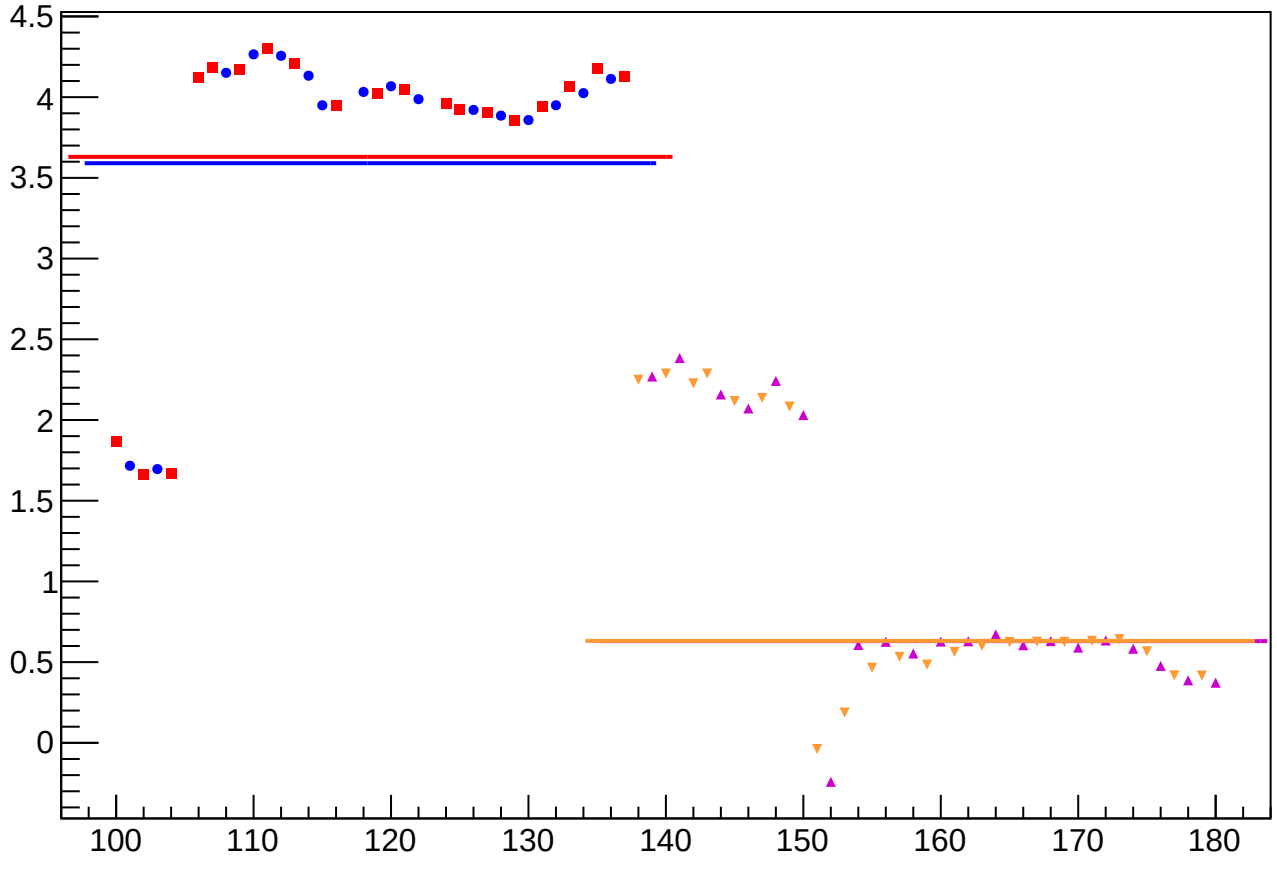
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1113435.5/36

Out: 0.007+/-0.000 χ^2/NDF:1079788.5/40

All: 0.007+/-0.000 χ^2/NDF: 2198162.0/77

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.632+/-0.000 χ^2/NDF:249418925747.9/21

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.630+/-0.000 χ^2/NDF:251889151874.3/20

Left: 0.631+/-0.000 χ^2/NDF: 501308856399.6/42

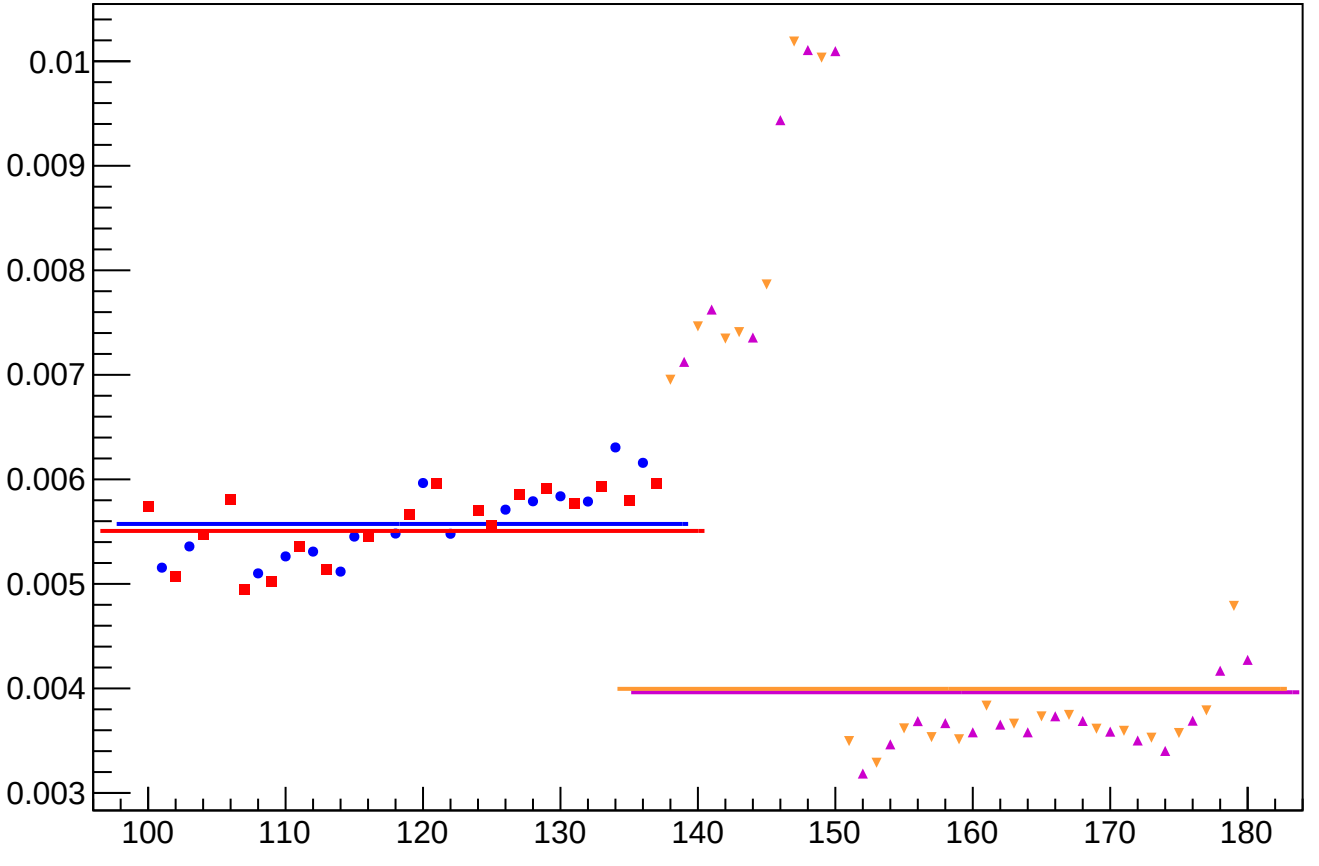
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.202+/-0.000 χ^2/NDF:2085838206947.9/36

Out: 1.234+/-0.000 χ^2/NDF:2192421344089.3/40

All: 1.218+/-0.000 χ^2/NDF: 4278873269540.

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:2942133.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3118139.1/20

Left: 0.004+/-0.000 χ^2/NDF: 6061306.0/42

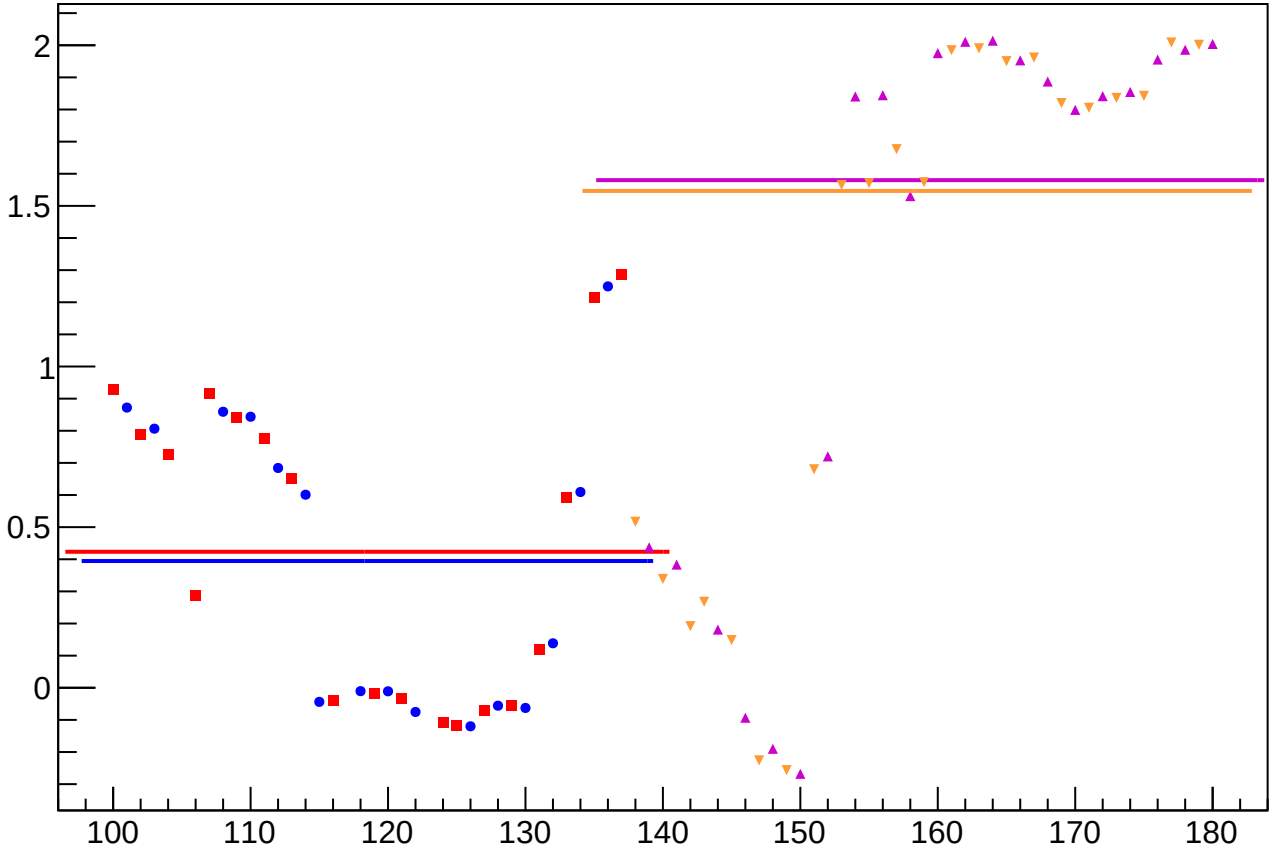
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4142912.8/36

Out: 0.004+/-0.000 χ^2/NDF:3877948.9/40

All: 0.004+/-0.000 χ^2/NDF: 8021629.6/77

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.547+/-0.000 χ^2/NDF:59140103898.8/21

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.580+/-0.000 χ^2/NDF:64567344836.6/20

Left: 1.563+/-0.000 χ^2/NDF: 123792016928.4/42

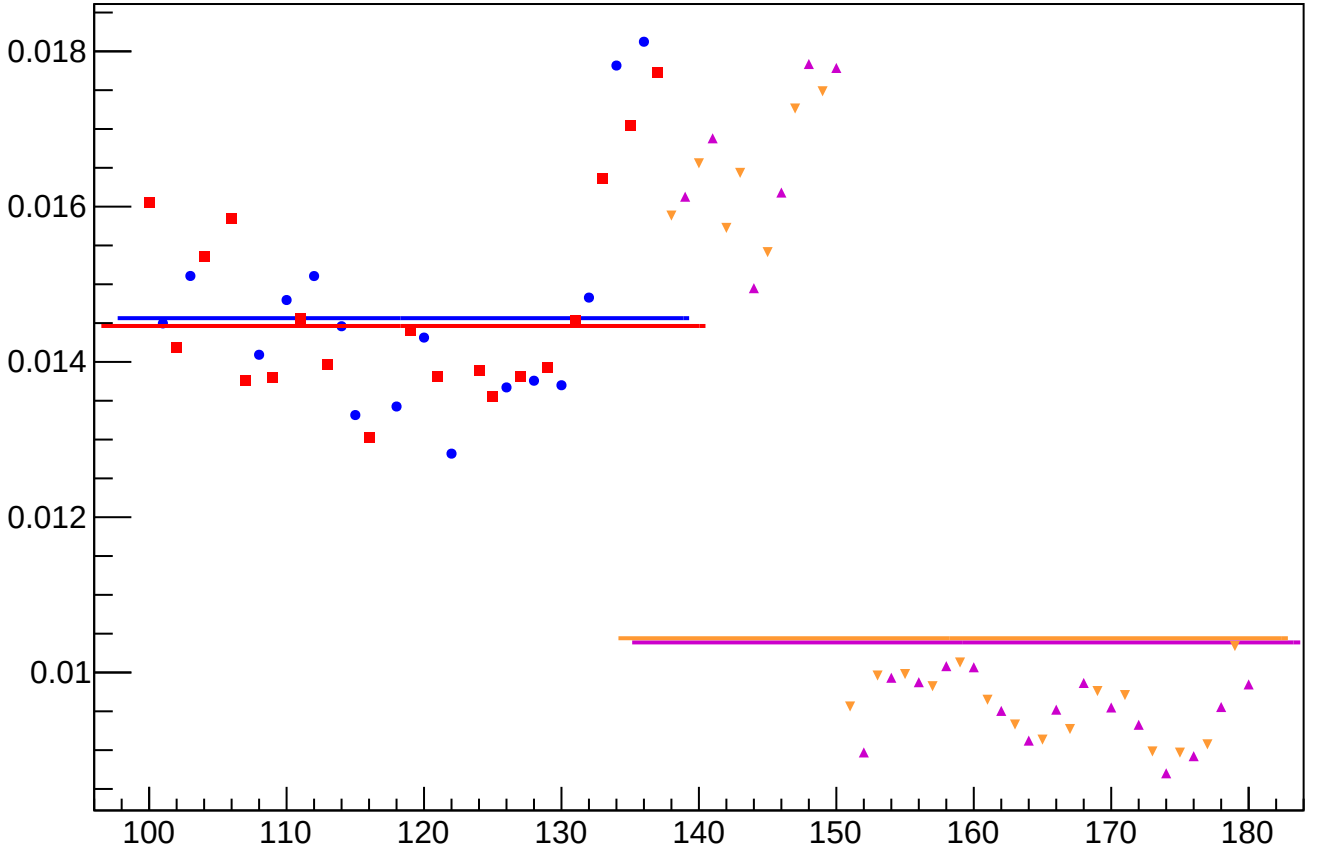
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.364+/-0.000 χ^2/NDF:110441688679.2/36

Out: 1.335+/-0.000 χ^2/NDF:101724433938.5/40

All: 1.350+/-0.000 χ^2/NDF: 212242647382.7

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658410.8/21

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1709984.4/20

Left: 0.010+/-0.000 χ^2/NDF: 3368831.9/42

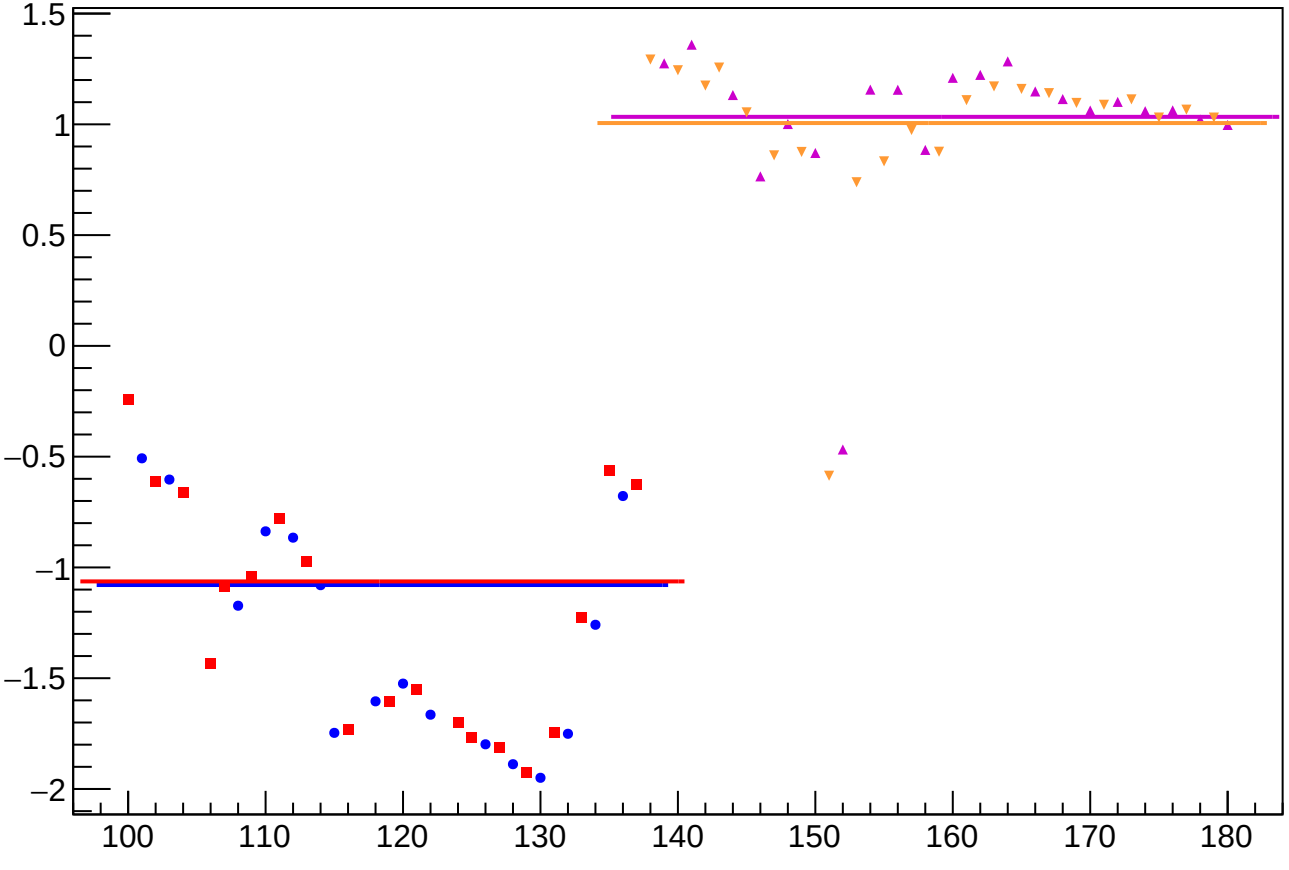
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2797715.5/36

Out: 0.011+/-0.000 χ^2/NDF:2650628.4/40

All: 0.011+/-0.000 χ^2/NDF: 5448794.1/77

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.006+/-0.000 χ^2/NDF:110848674833.1/21

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.034+/-0.000 χ^2/NDF:125375035320.7/20

Left: 1.020+/-0.000 χ^2/NDF: 236715863198.9/42

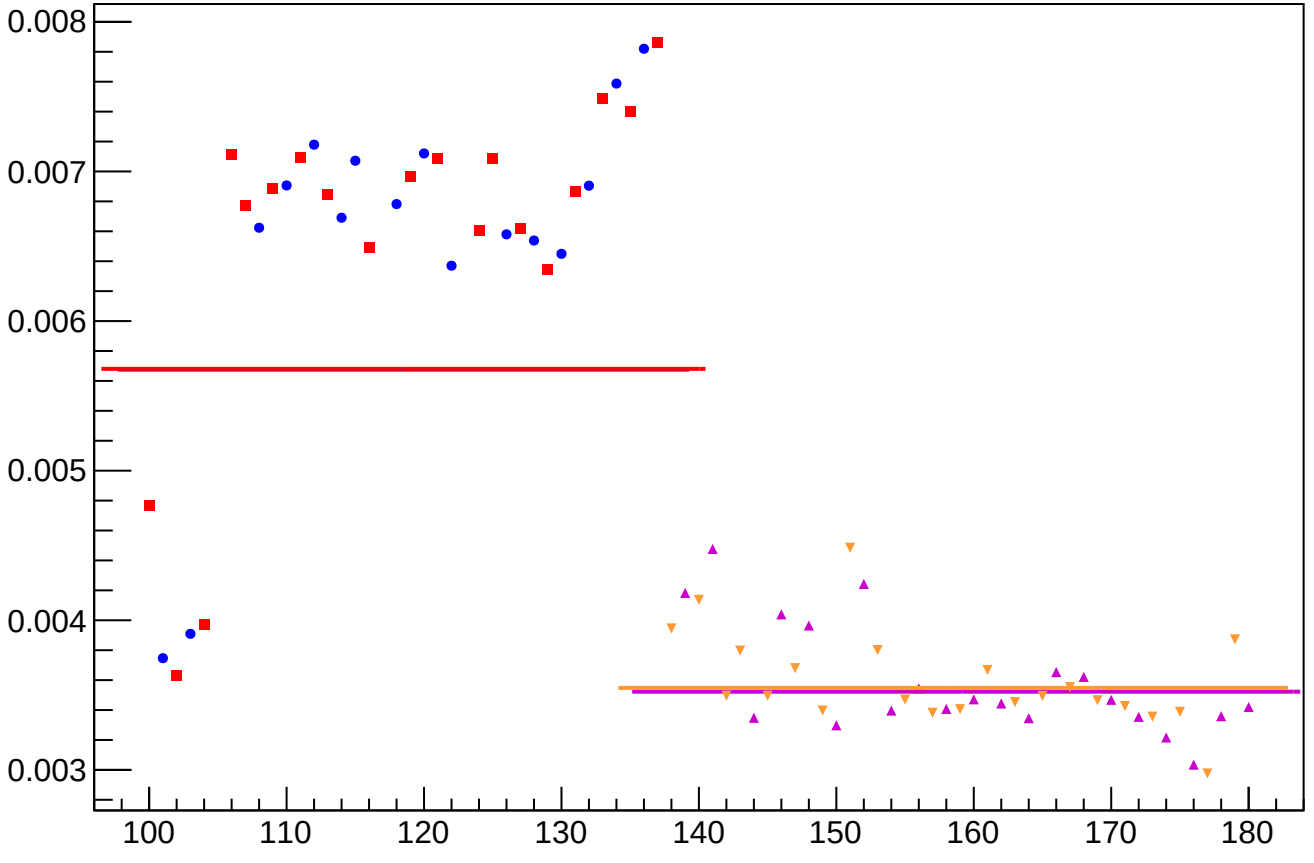
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.746+/-0.000 χ^2/NDF:947549268218.9/36

Out: 0.722+/-0.000 χ^2/NDF:898886922770.2/40

All: 0.734+/-0.000 χ^2/NDF: 1846850968331.

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:211886.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:277763.7/20

Left: 0.004+/-0.000 χ^2/NDF: 490460.1/42

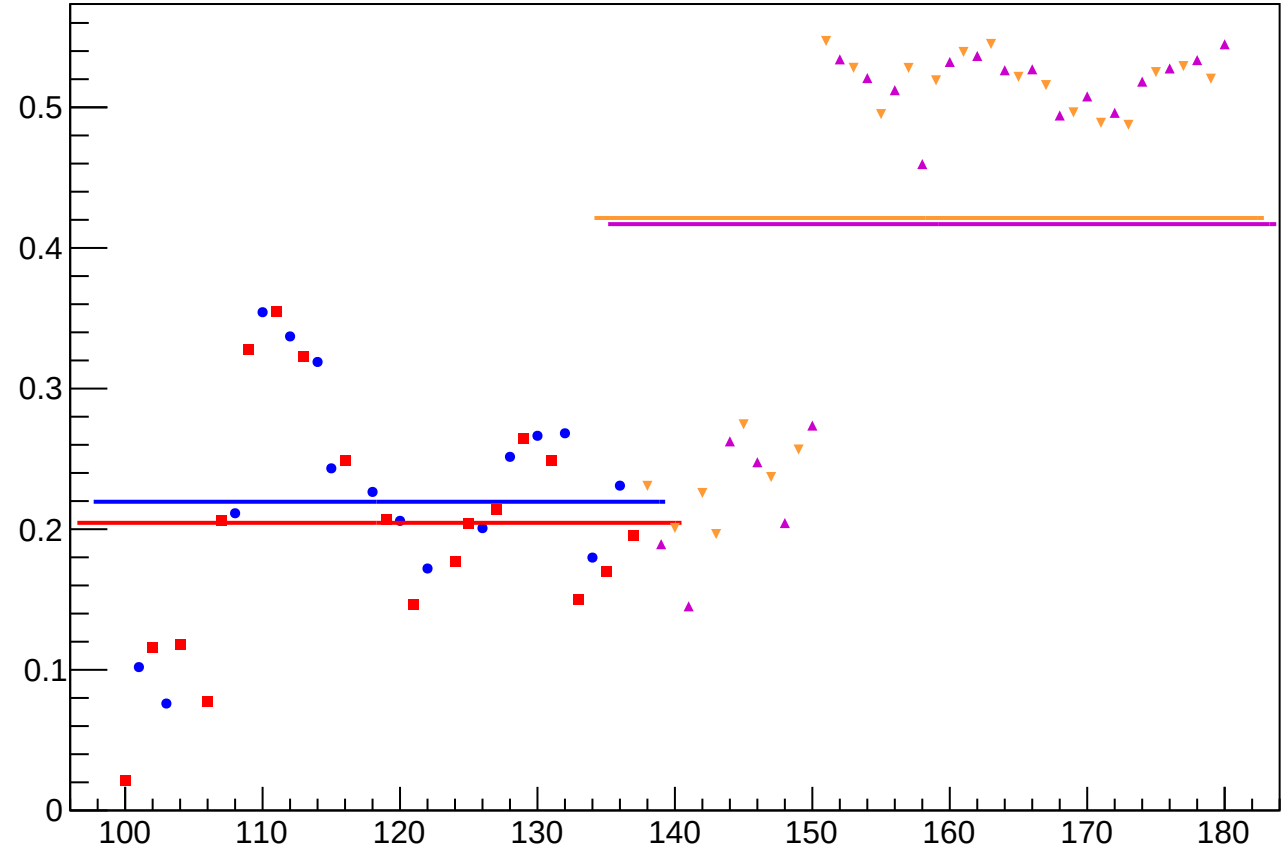
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2805840.6/36

Out: 0.004+/-0.000 χ^2/NDF:2760842.2/40

All: 0.004+/-0.000 χ^2/NDF: 5567558.1/77

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.421+/-0.000 χ^2/NDF:149129845916.4/21

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.417+/-0.000 χ^2/NDF:153115851744.3/20

Left: 0.419+/-0.000 χ^2/NDF: 302317898279.5/42

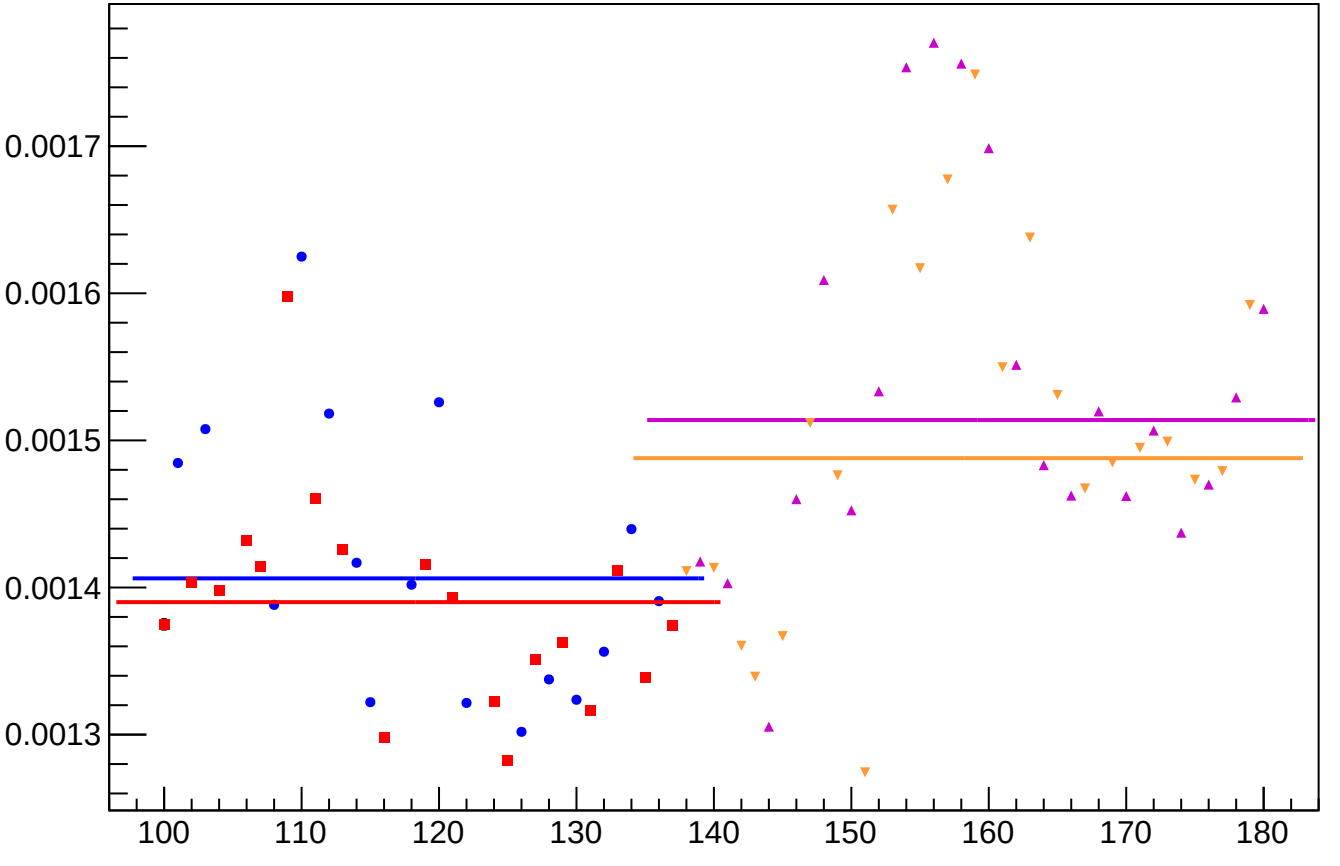
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.353+/-0.000 χ^2/NDF:262510315374.7/36

Out: 0.350+/-0.000 χ^2/NDF:291246599844.2/40

All: 0.352+/-0.000 χ^2/NDF: 553810606556.0

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:208297.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:209096.7/20

Left: 0.002+/-0.000 χ^2/NDF: 422464.5/42

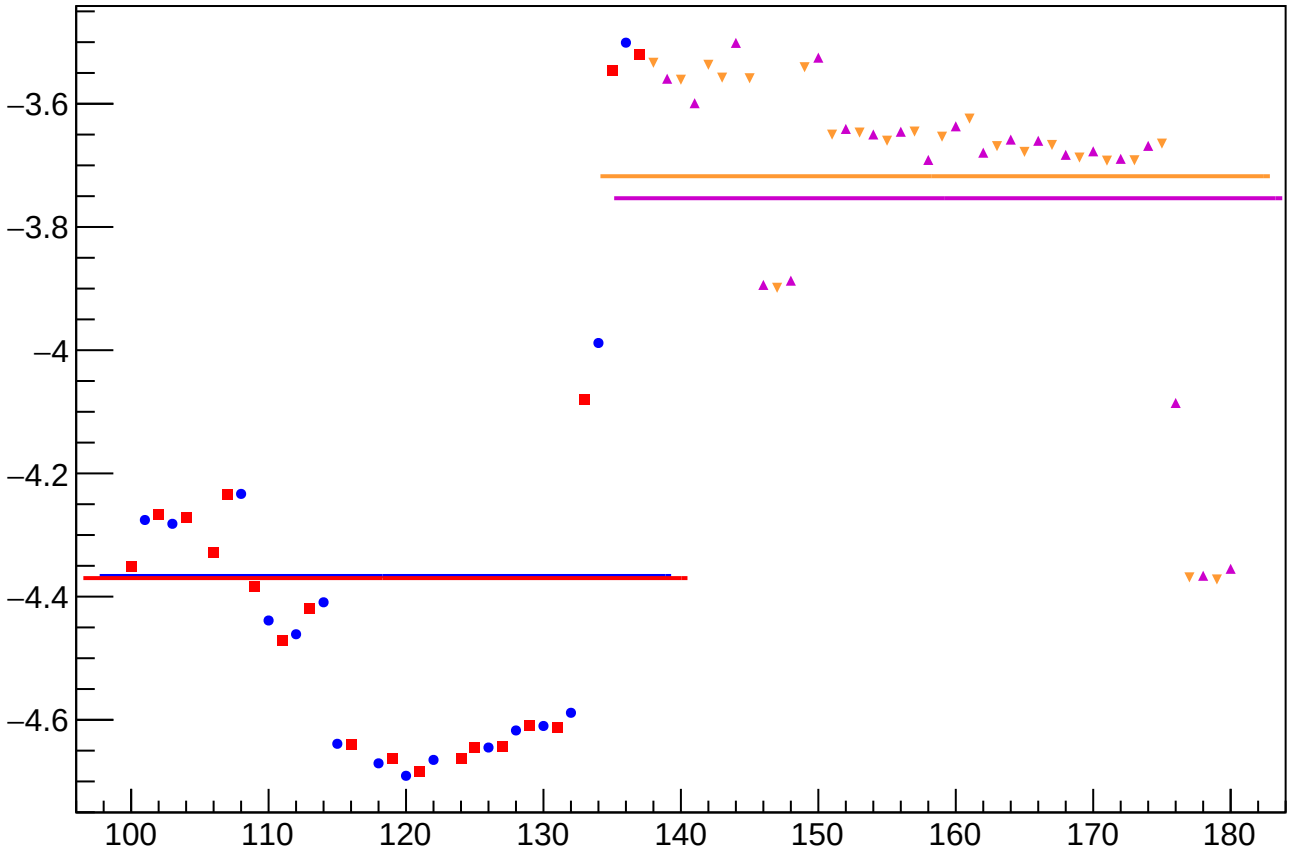
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:312380.1/36

Out: 0.001+/-0.000 χ^2/NDF:291942.5/40

All: 0.001+/-0.000 χ^2/NDF: 610409.3/77

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.718+/-0.000 χ^2/NDF:305223469627.7/21

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.753+/-0.000 χ^2/NDF:324437609056.6/20

Left: -3.735+/-0.000 χ^2/NDF: 633347342526.5/42

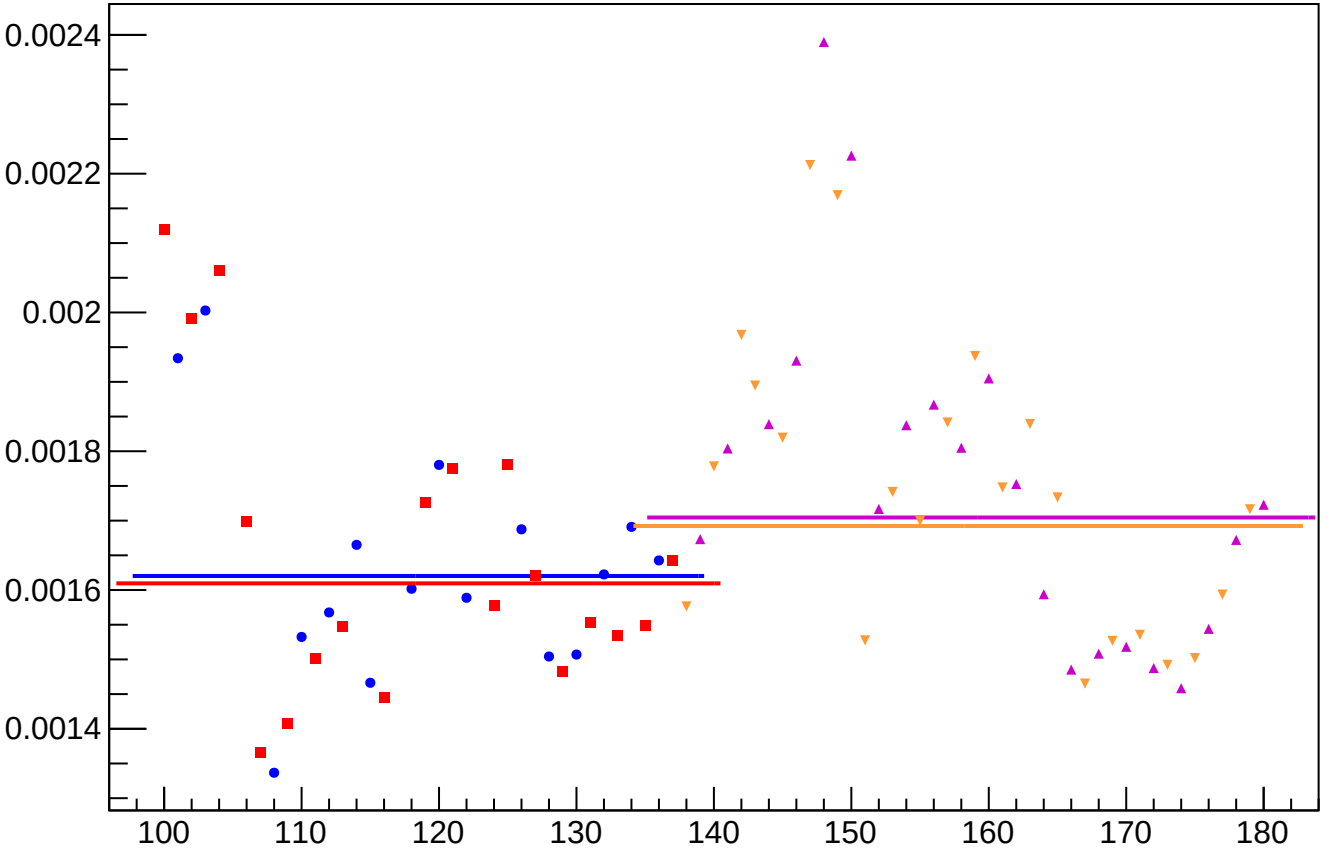
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.946+/-0.000 χ^2/NDF:1352288398896.2/36

Out: -3.926+/-0.000 χ^2/NDF:1397371606822.2/40

All: -3.936+/-0.000 χ^2/NDF: 2751418334795

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:424512.0/21

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:492236.7/20

Left: 0.002+/-0.000 χ^2/NDF: 917615.7/42

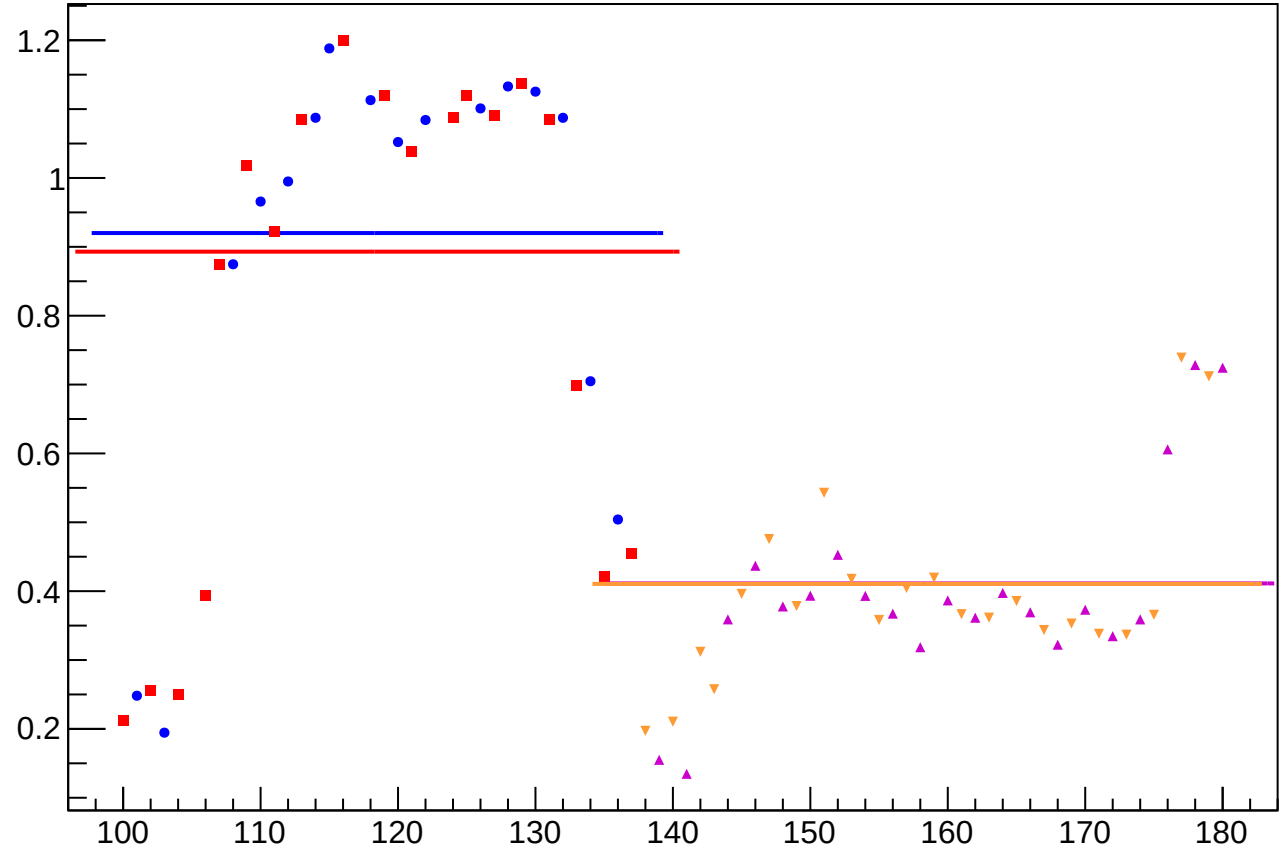
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:657939.5/36

Out: 0.002+/-0.000 χ^2/NDF:635056.8/40

All: 0.002+/-0.000 χ^2/NDF: 1294241.5/77

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.411+/-0.000 χ^2/NDF:6249900102.3/21

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.411+/-0.000 χ^2/NDF:7126671050.8/20

Left: 0.411+/-0.000 χ^2/NDF: 13376644167.3/42

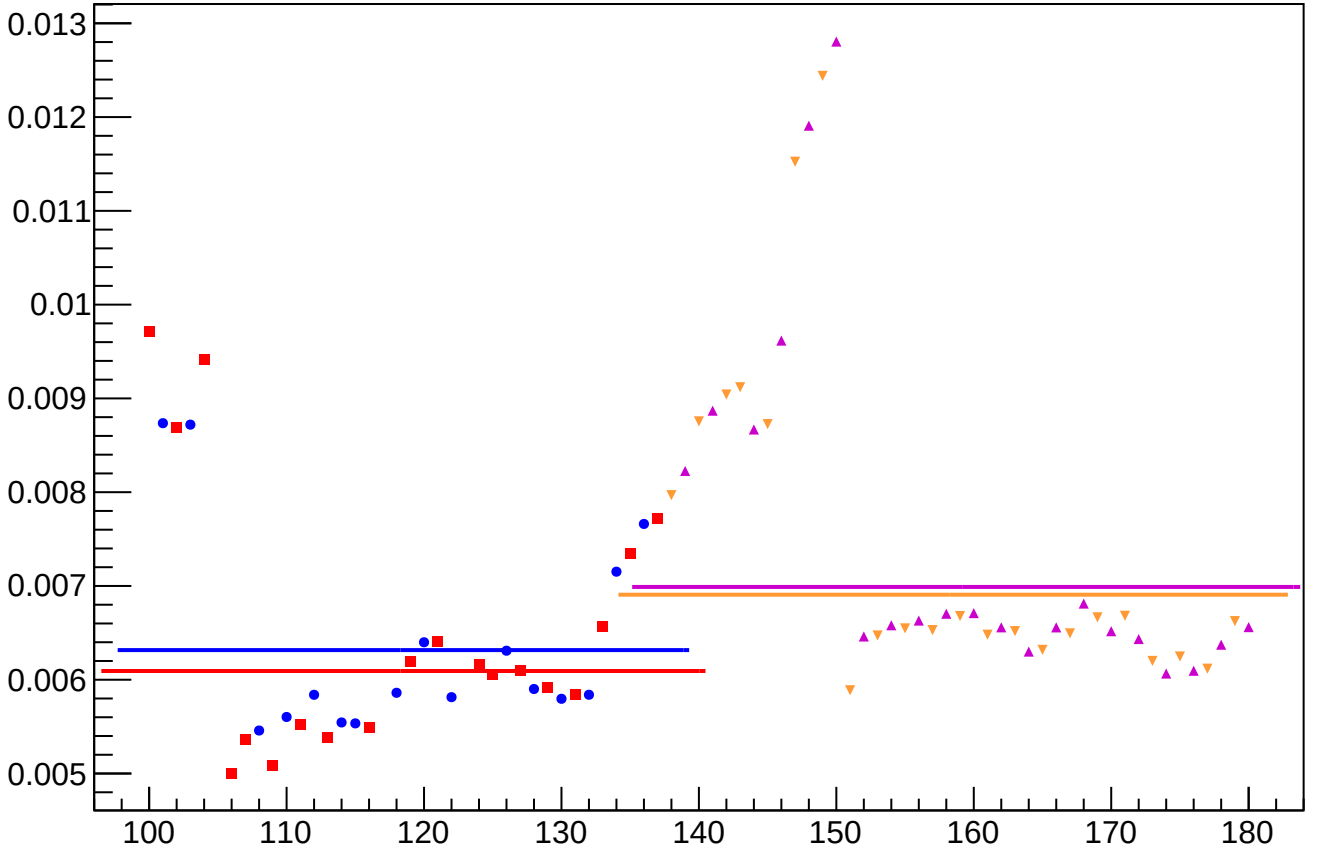
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.585+/-0.000 χ^2/NDF:51672280737.0/36

Out: 0.583+/-0.000 χ^2/NDF:53149469629.0/40

All: 0.584+/-0.000 χ^2/NDF: 104822986584.0

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:1080034.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1135760.8/20

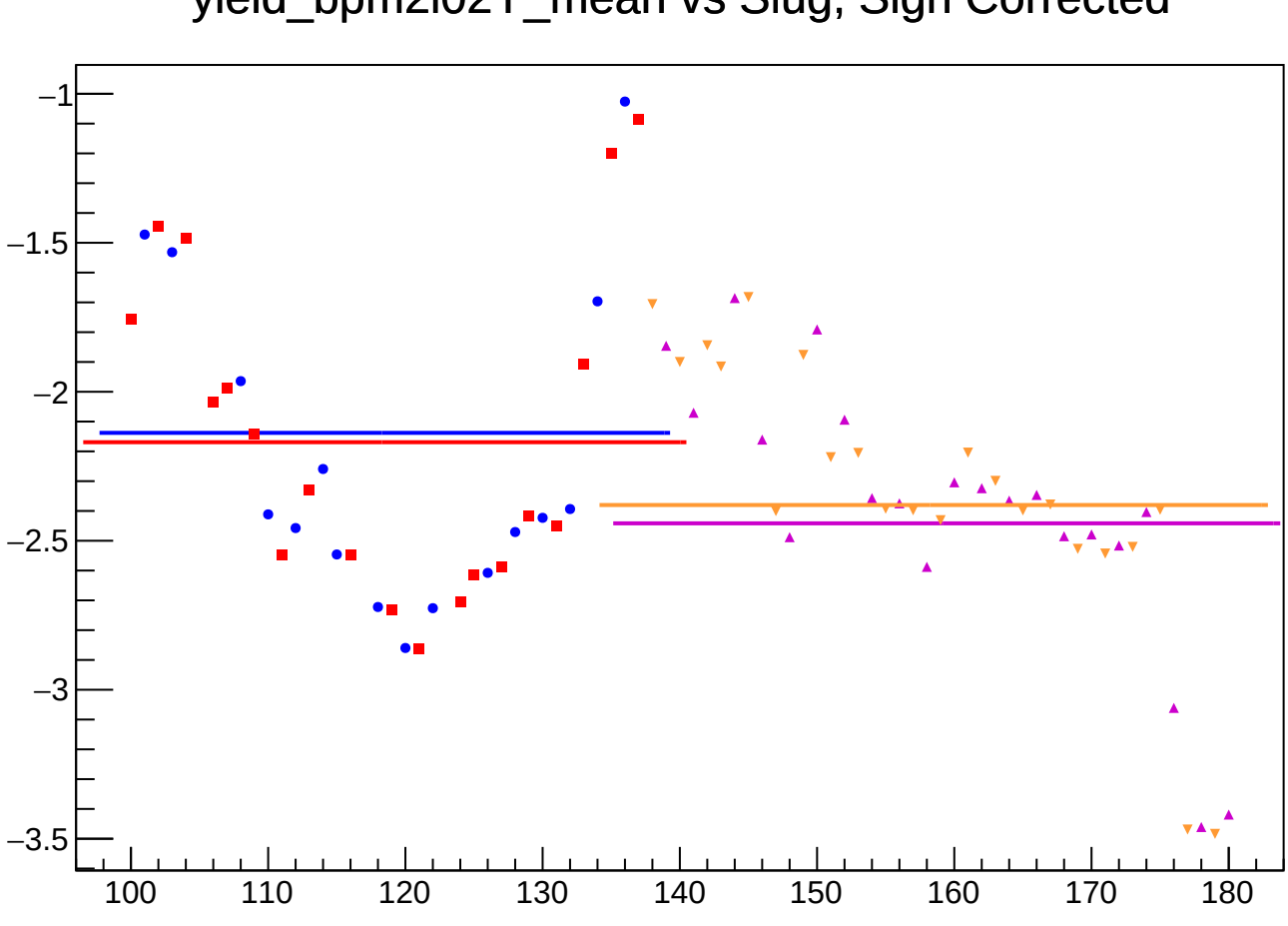
Left: 0.007+/-0.000 χ^2/NDF: 2218166.0/42

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1576524.2/36

Out: 0.007+/-0.000 χ^2/NDF:1682374.8/40

All: 0.007+/-0.000 χ^2/NDF: 3269787.6/77



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.380+/-0.000 χ^2/NDF:77255668671.2/21

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.442+/-0.000 χ^2/NDF:74023721311.6/20

Left: -2.410+/-0.000 χ^2/NDF: 152058477376.4/42

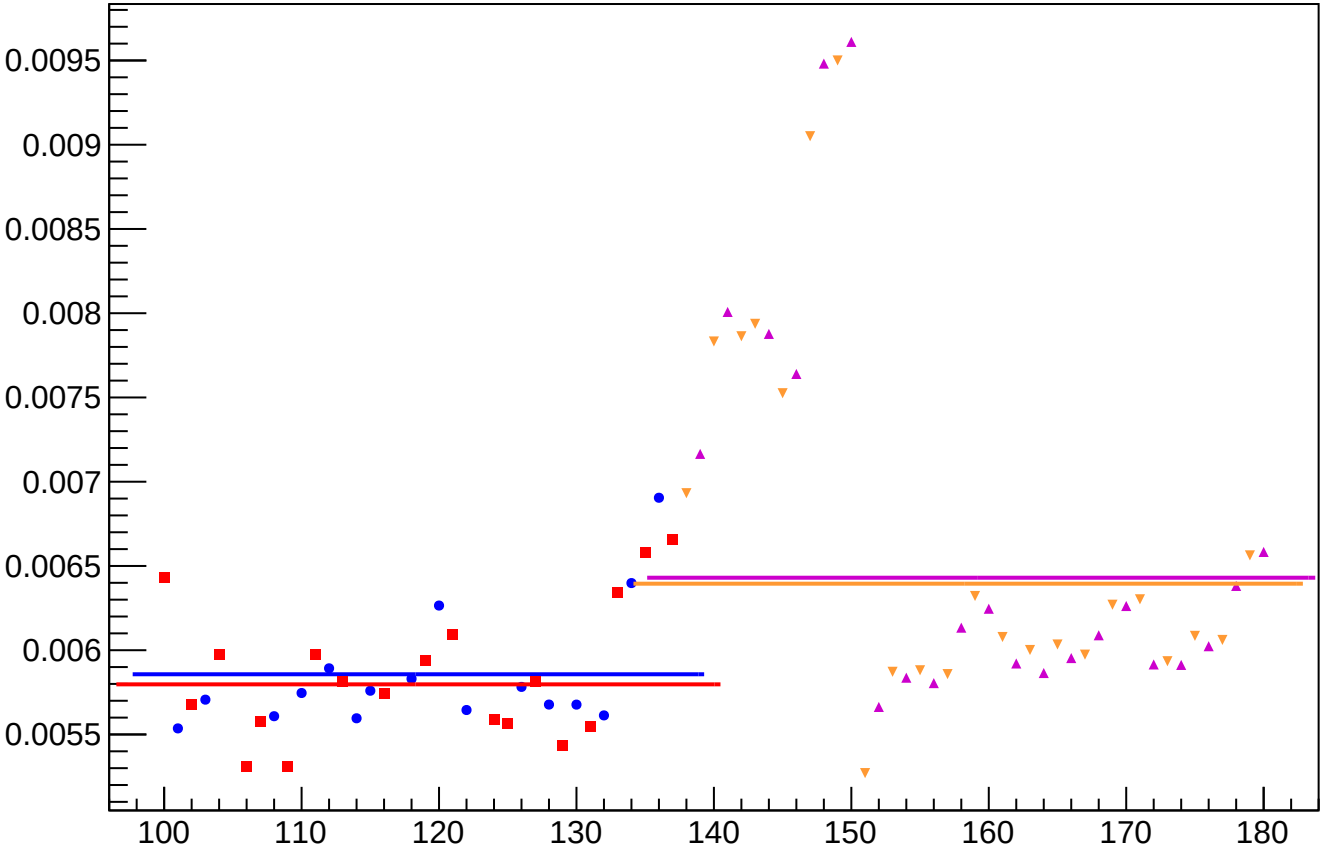
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.338+/-0.000 χ^2/NDF:152452821439.9/36

Out: -2.307+/-0.000 χ^2/NDF:141101213009.5/40

All: -2.322+/-0.000 χ^2/NDF: 293865392073.9

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:674950.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:703741.7/20

Left: 0.006+/-0.000 χ^2/NDF: 1379210.0/42

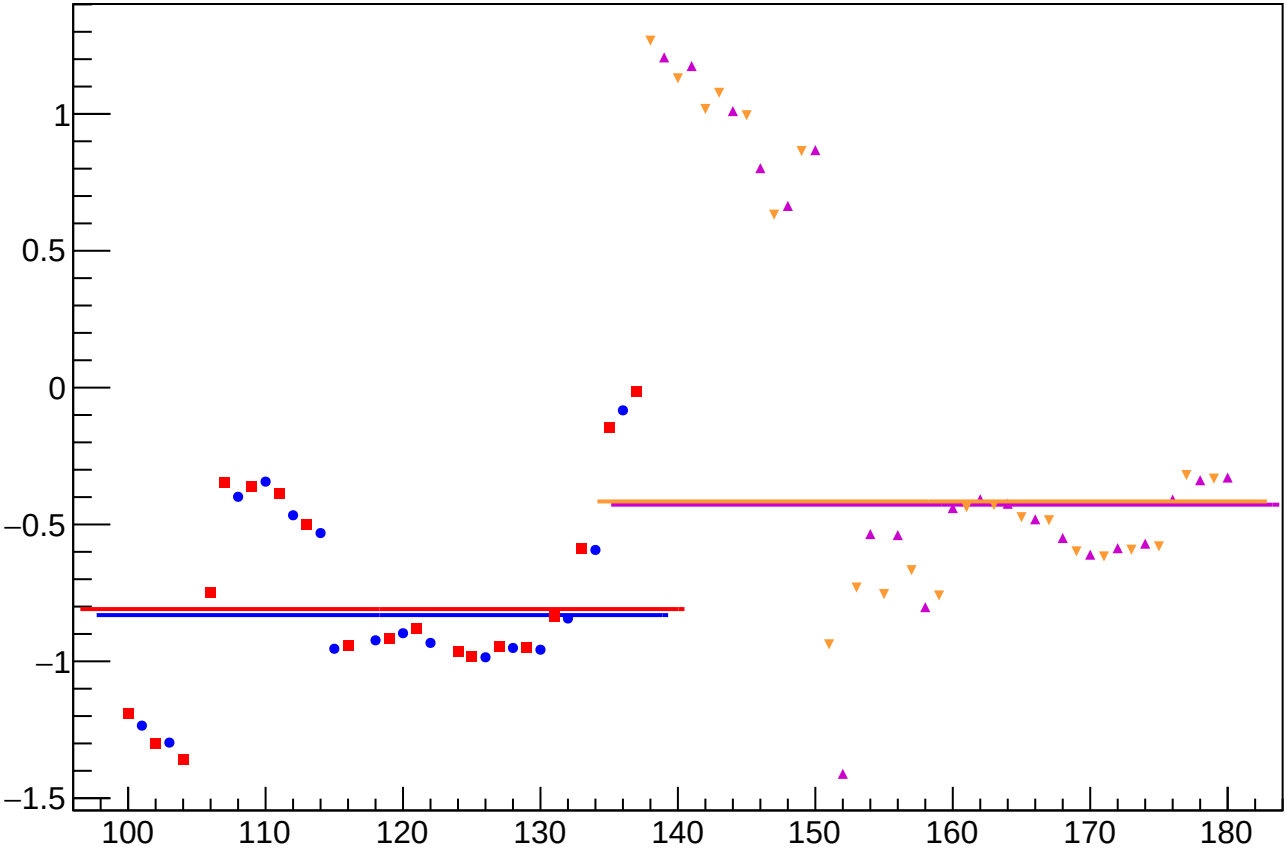
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:856567.8/36

Out: 0.006+/-0.000 χ^2/NDF:834706.9/40

All: 0.006+/-0.000 χ^2/NDF: 1692731.0/77

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.416+/-0.000 χ^2/NDF:81332254070.4/21

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.428+/-0.000 χ^2/NDF:90032191506.0/20

Left: -0.422+/-0.000 χ^2/NDF: 171386517650.9/42

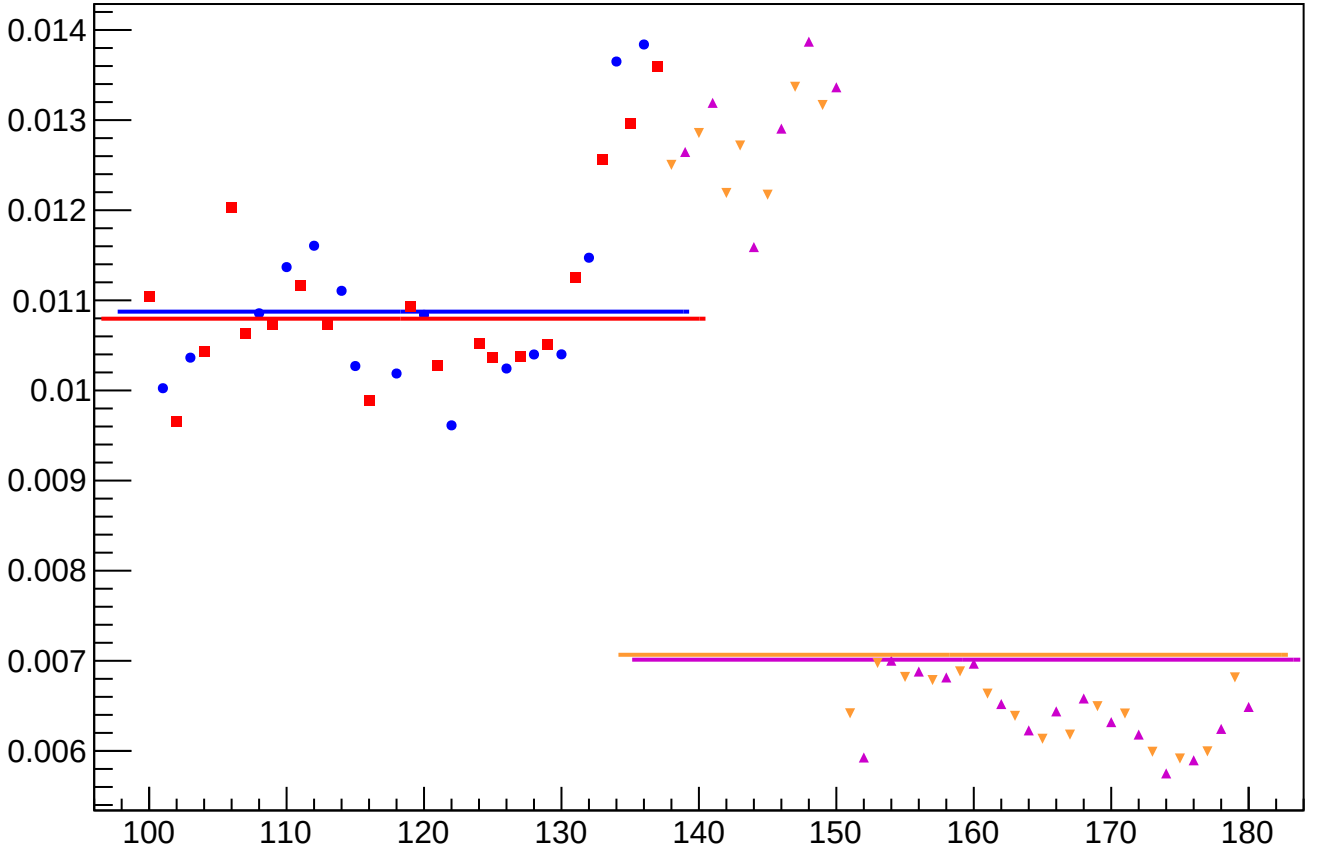
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.491+/-0.000 χ^2/NDF:105309741749.7/36

Out: -0.480+/-0.000 χ^2/NDF:97505233019.7/40

All: -0.485+/-0.000 χ^2/NDF: 202838128851.6

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:2381789.8/21

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2456236.1/20

Left: 0.007+/-0.000 χ^2/NDF: 4838973.3/42

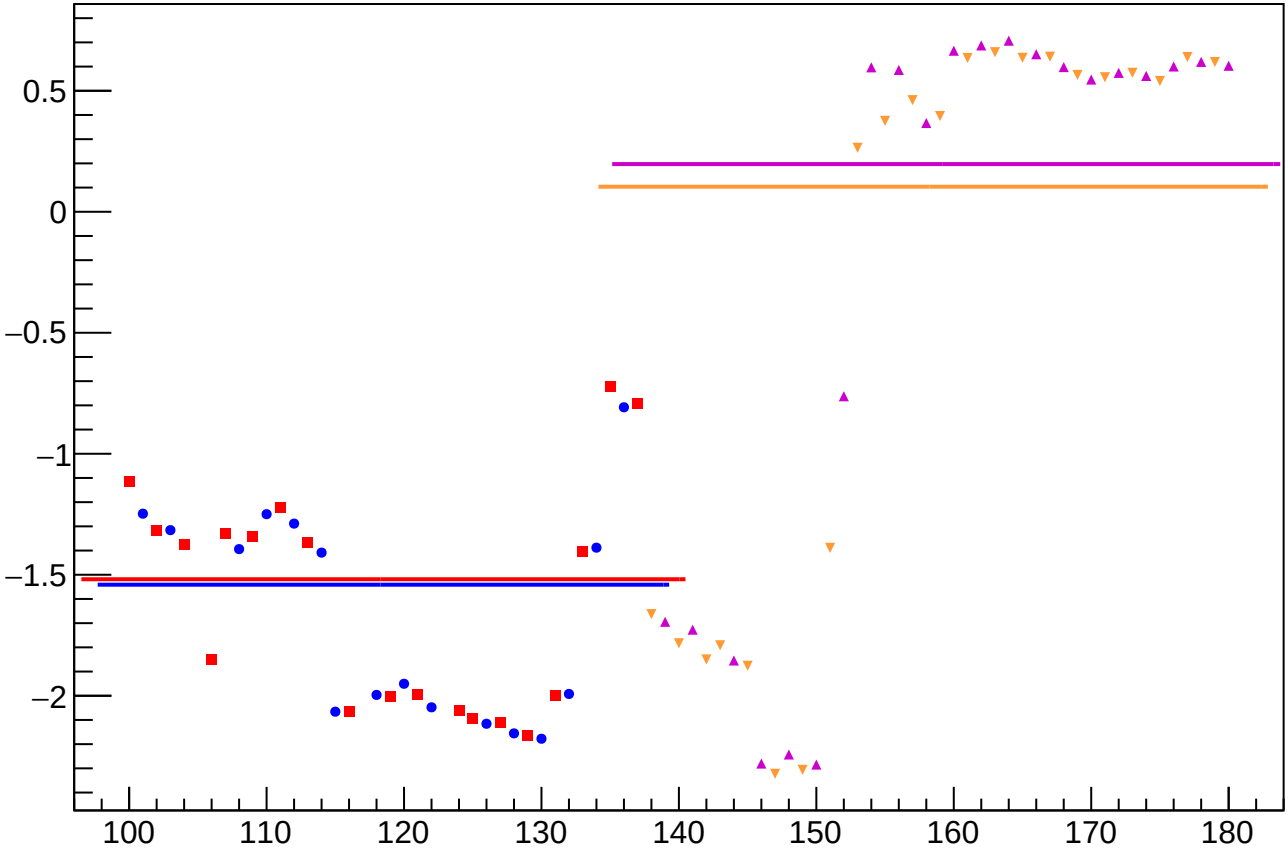
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:4110121.4/36

Out: 0.008+/-0.000 χ^2/NDF:3924707.4/40

All: 0.008+/-0.000 χ^2/NDF: 8036008.2/77

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.104+/-0.000 χ^2/NDF:2332830238247.9/21

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.197+/-0.000 χ^2/NDF:2097394673294.0/20

Left: 0.150+/-0.000 χ^2/NDF: 4441774846207.0/42

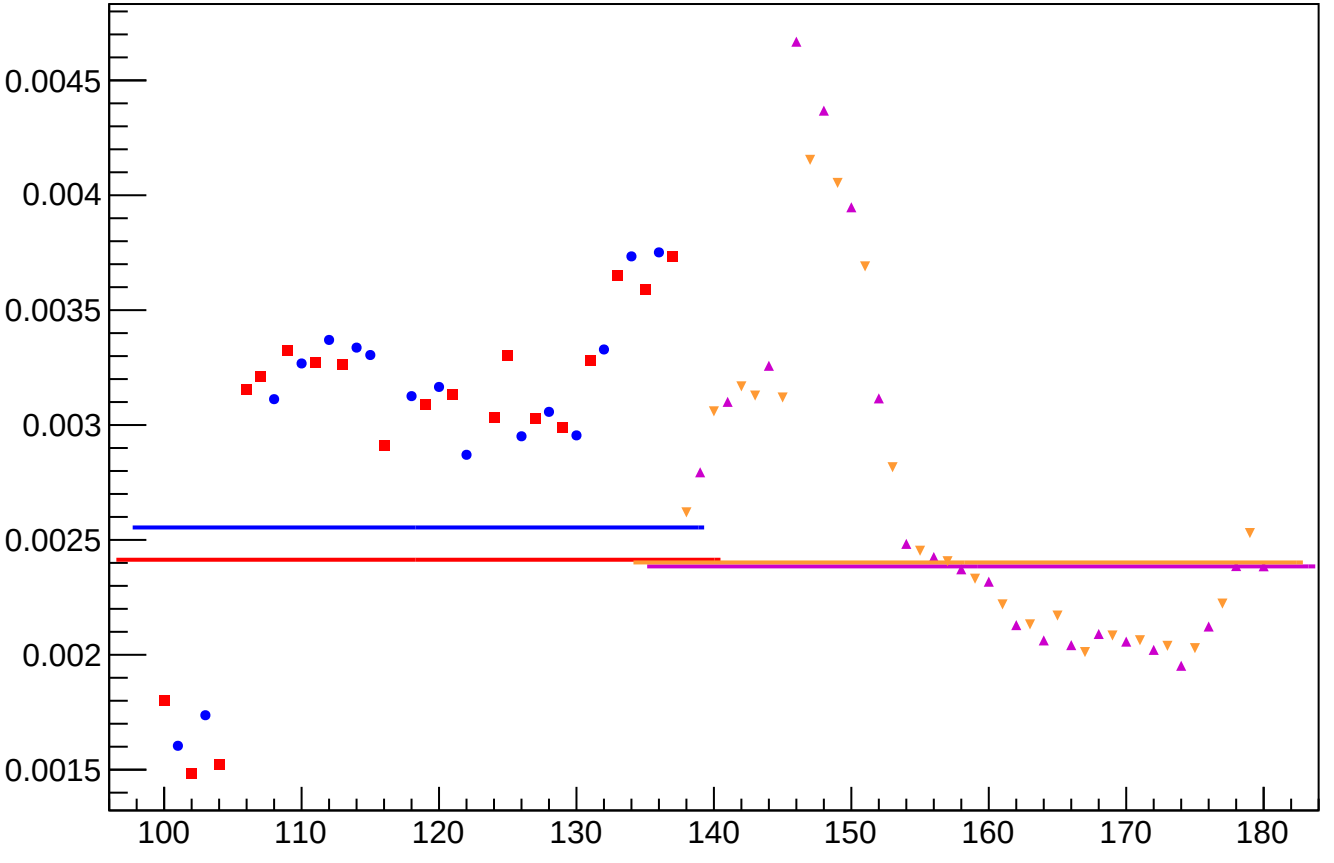
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.257+/-0.000 χ^2/NDF:4333106681976.7/36

Out: -0.347+/-0.000 χ^2/NDF:4411395379391.0/40

All: -0.302+/-0.000 χ^2/NDF: 8759143119801

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1209768.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.2/20

Left: 0.002+/-0.000 χ^2/NDF: 2610080.9/42

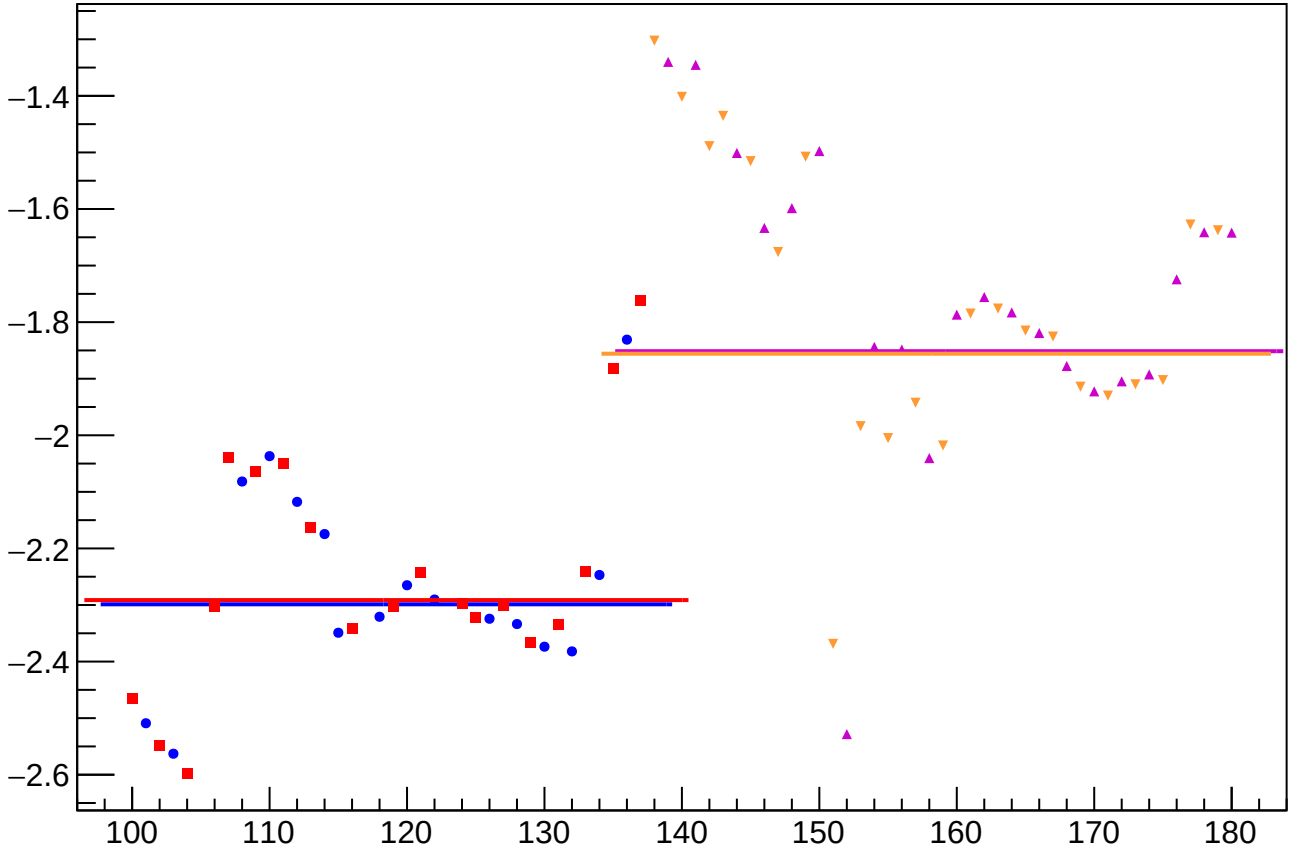
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.002+/-0.000 χ^2/NDF:2611366.0/36

Out: 0.002+/-0.000 χ^2/NDF:2756803.3/40

All: 0.002+/-0.000 χ^2/NDF: 5370210.3/77

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.856+/-0.000 χ^2/NDF:33929552998.2/21

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.851+/-0.000 χ^2/NDF:50987368853.5/20

Left: -1.854+/-0.000 χ^2/NDF: 84925564228.9/42

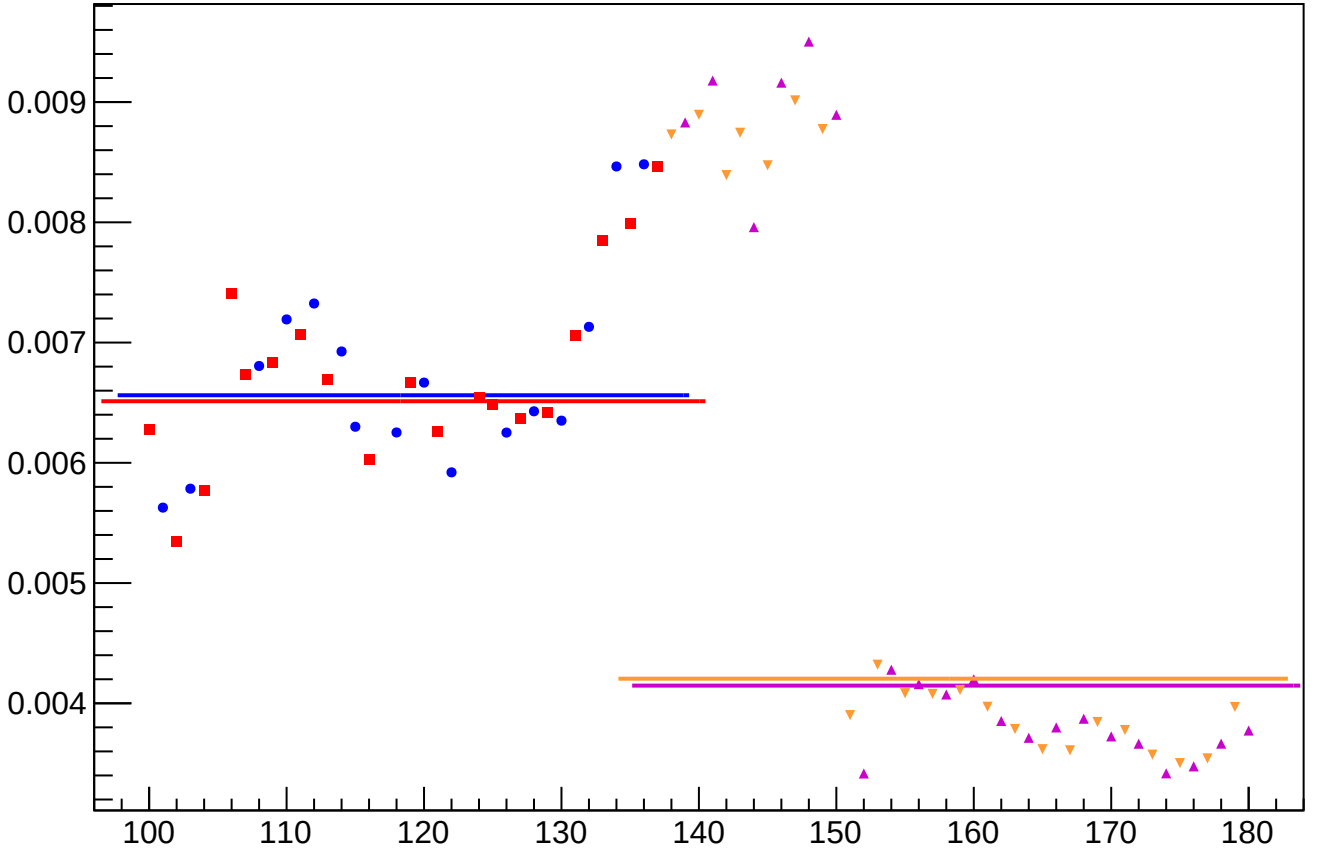
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -1.921+/-0.000 χ^2/NDF:84308096853.3/36

Out: -1.926+/-0.000 χ^2/NDF:67371838065.3/40

All: -1.924+/-0.000 χ^2/NDF: 151696546342.4

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:3088899.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3193107.2/20

Left: 0.004+/-0.000 χ^2/NDF: 6284895.5/42

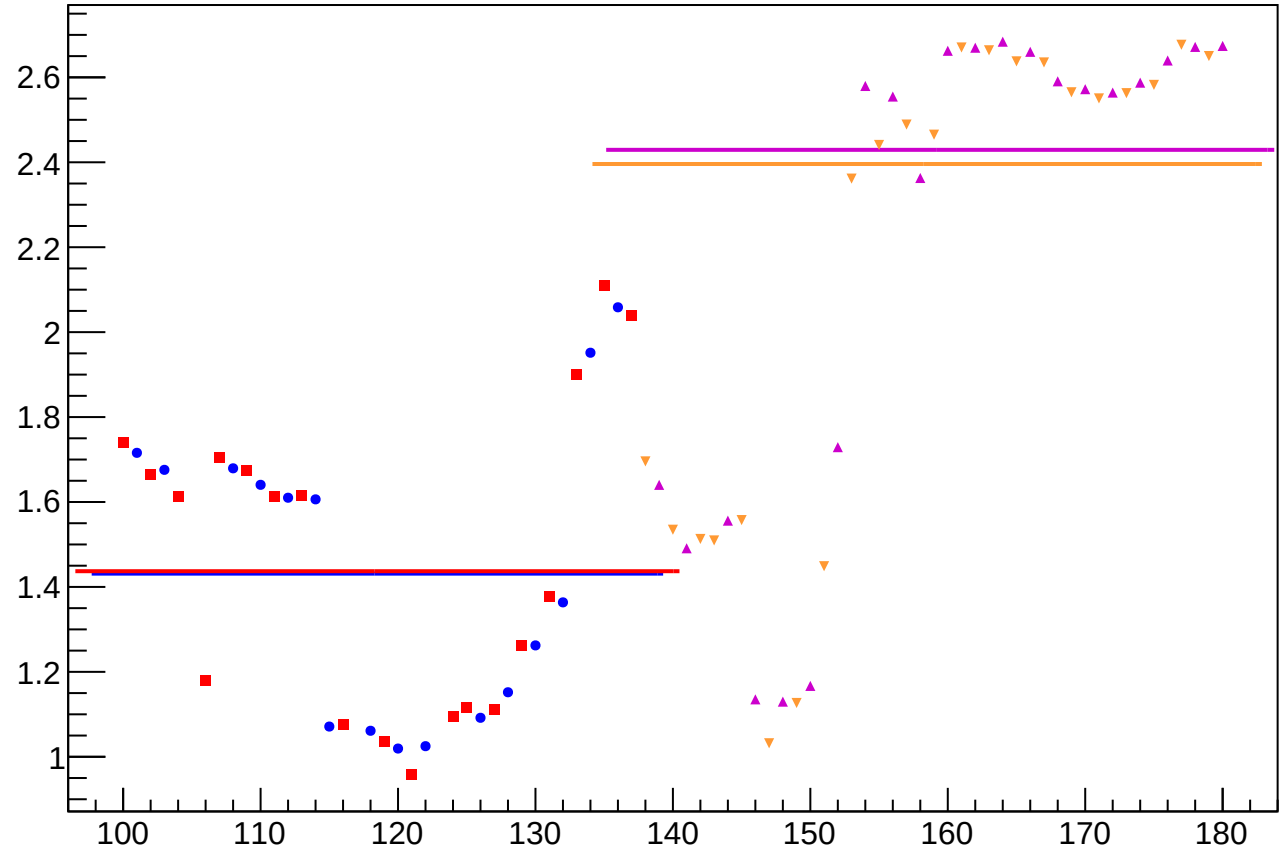
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4999002.1/36

Out: 0.005+/-0.000 χ^2/NDF:4767791.3/40

All: 0.005+/-0.000 χ^2/NDF: 9770174.5/77

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.396+/-0.000 χ^2/NDF:236314576335.0/21

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.429+/-0.000 χ^2/NDF:228243905245.6/20

Left: 2.413+/-0.000 χ^2/NDF: 465344643402.0/42

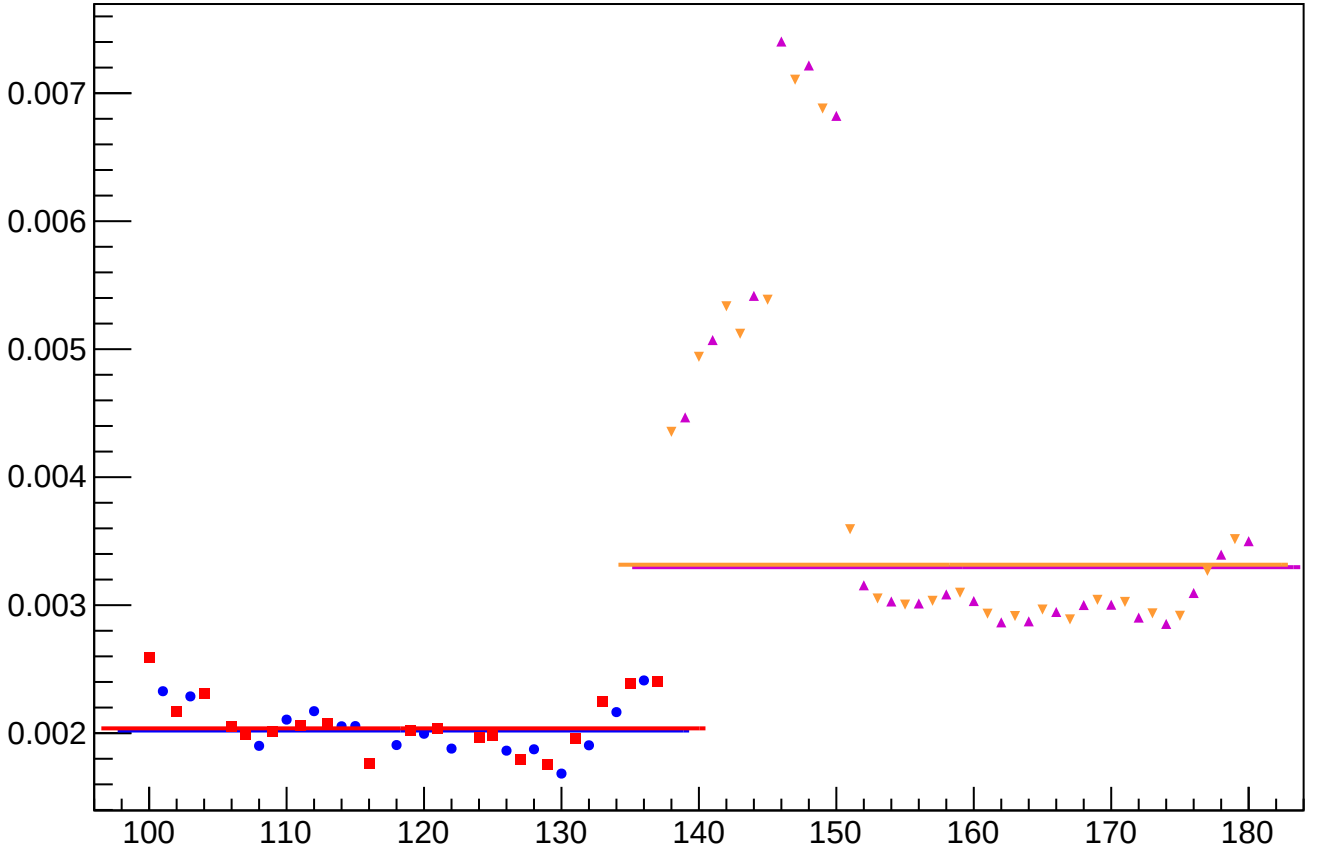
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.894+/-0.000 χ^2/NDF:1168133840496.3/36

Out: 1.883+/-0.000 χ^2/NDF:1116183299693.0/40

All: 1.889+/-0.000 χ^2/NDF: 2284498477225.

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:1773030.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2025766.0/20

Left: 0.003+/-0.000 χ^2/NDF: 3799322.1/42

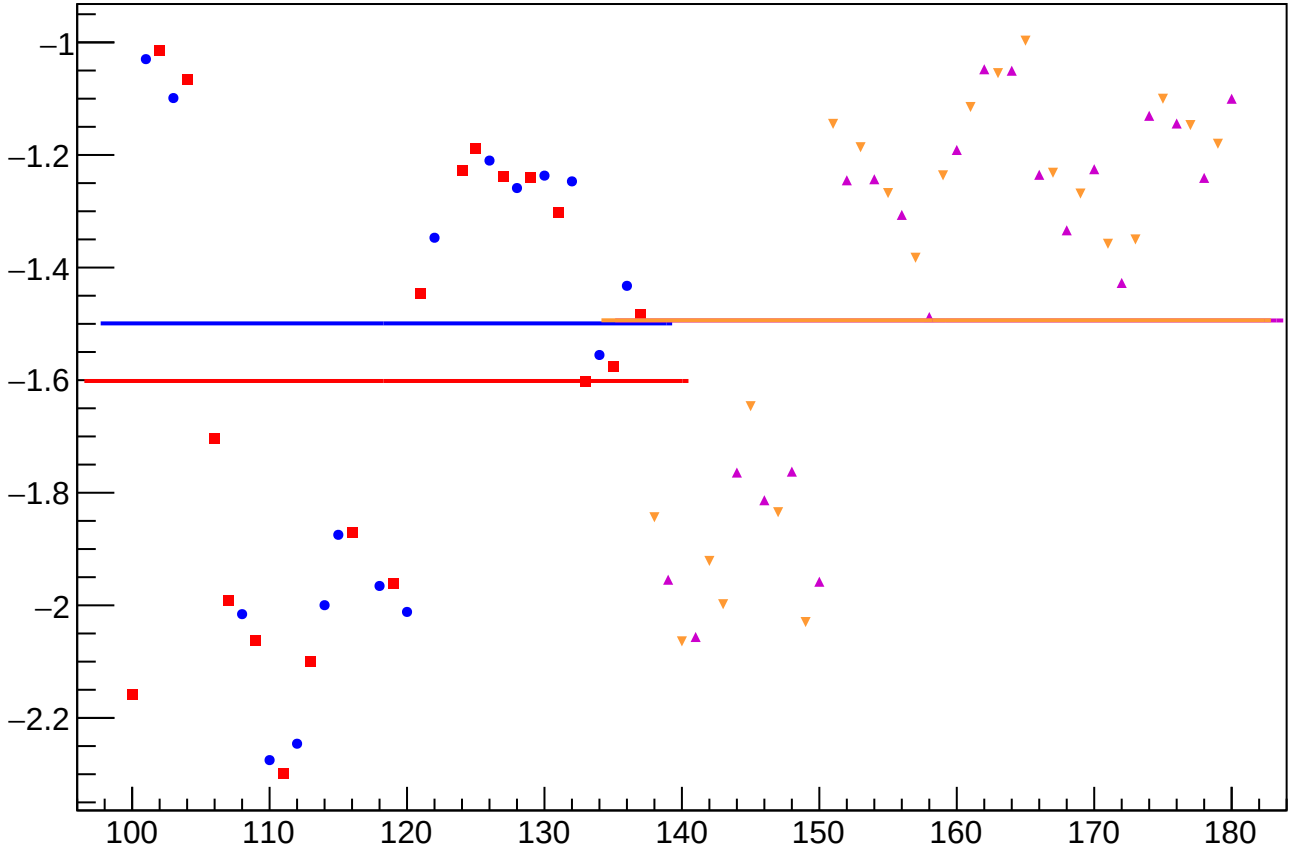
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4635969.8/36

Out: 0.003+/-0.000 χ^2/NDF:4368097.8/40

All: 0.003+/-0.000 χ^2/NDF: 9005283.1/77

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.494+/-0.000 χ^2/NDF:47948048178.4/21

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.494+/-0.000 χ^2/NDF:39484204312.8/20

Left: -1.494+/-0.000 χ^2/NDF: 87432267928.4/42

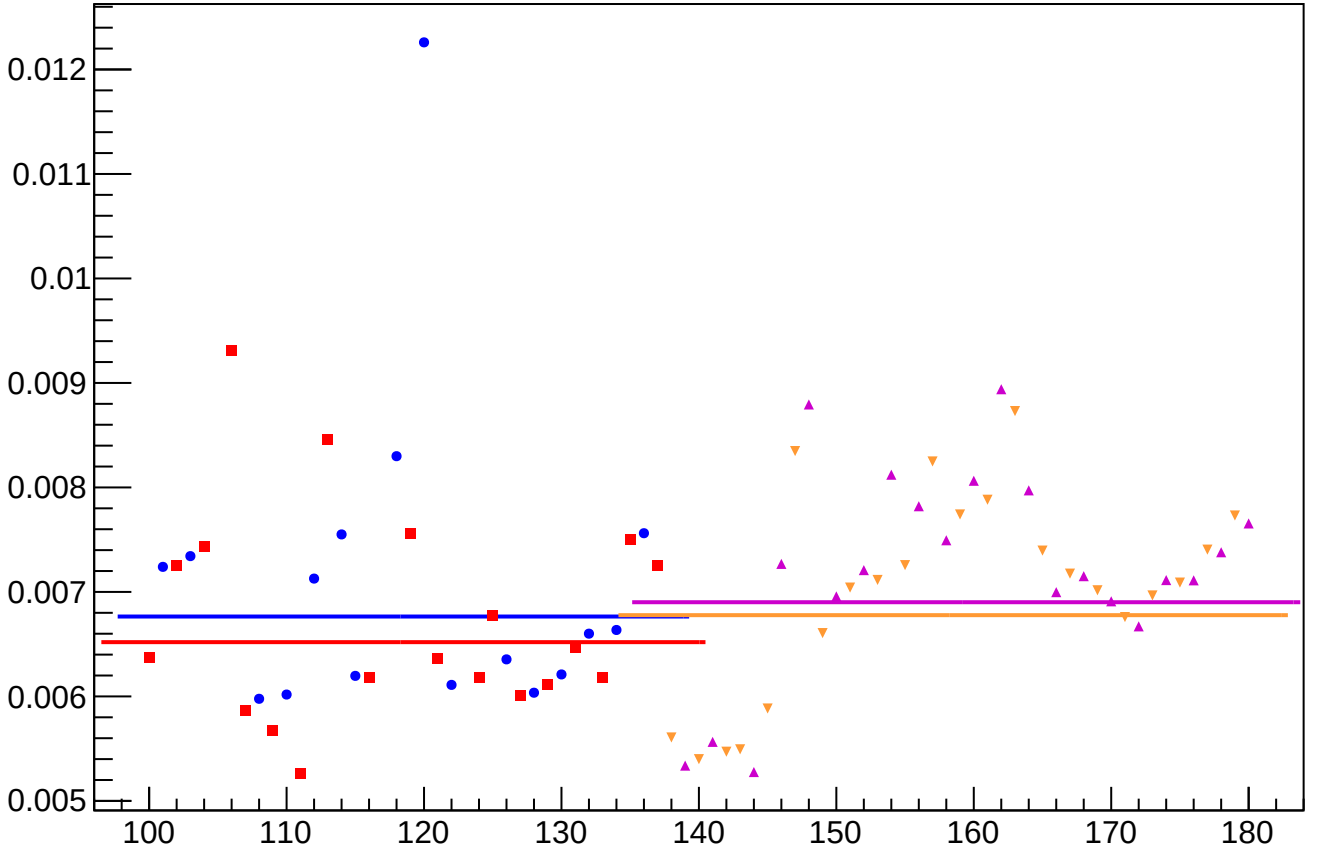
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.496+/-0.000 χ^2/NDF:62417226623.6/36

Out: -1.528+/-0.000 χ^2/NDF:77566787685.2/40

All: -1.512+/-0.000 χ^2/NDF: 140237891123.

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:644469.2/21

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:710341.0/20

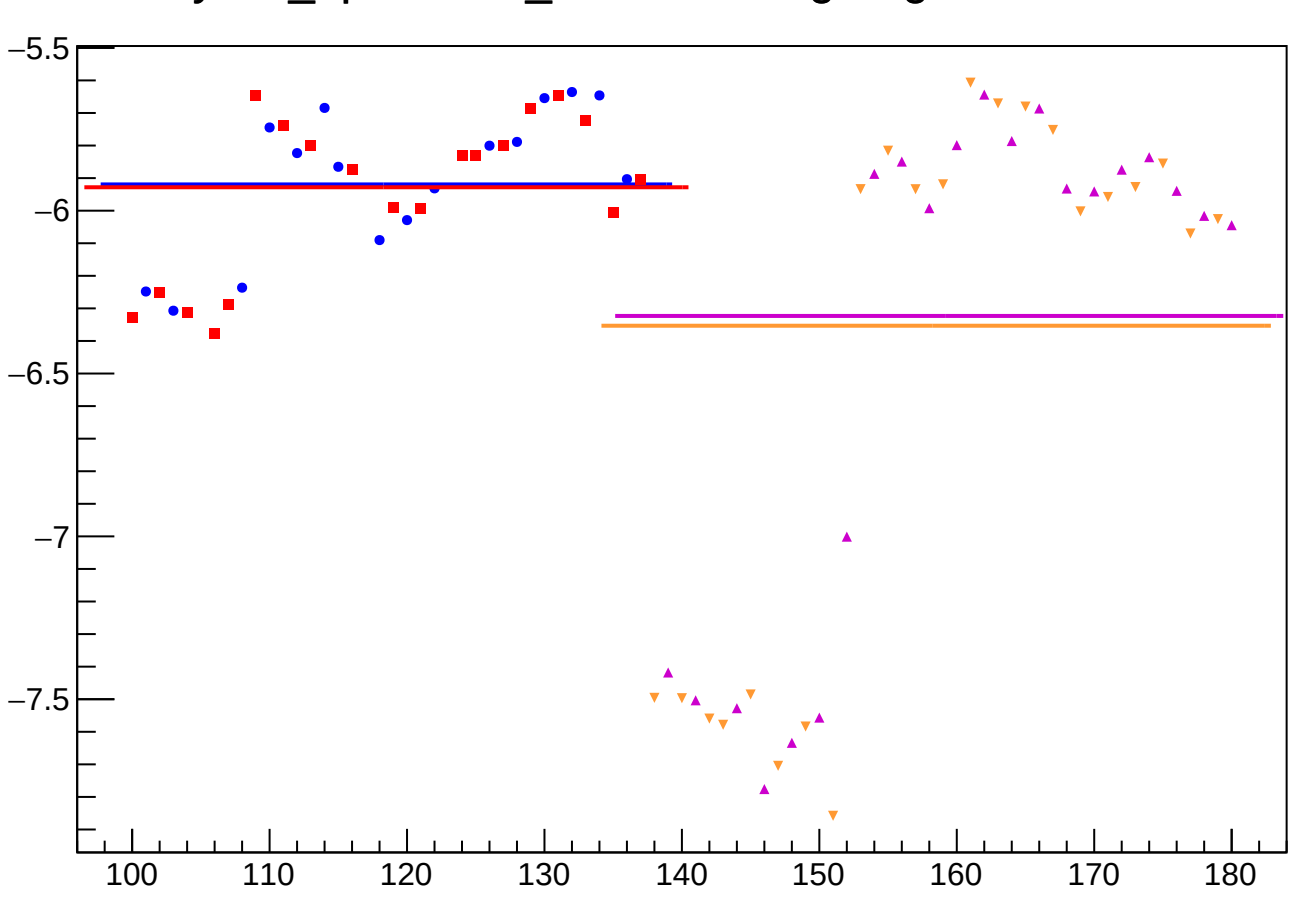
Left: 0.007+/-0.000 χ^2/NDF: 1360104.1/42

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:952642.4/36

Out: 0.007+/-0.000 χ^2/NDF:904756.8/40

All: 0.007+/-0.000 χ^2/NDF: 1870795.0/77



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.353+/-0.000 χ^2/NDF:108876056255.9/21

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.323+/-0.000 χ^2/NDF:91010361643.8/20

Left: -6.338+/-0.000 χ^2/NDF: 199965714998.8/42

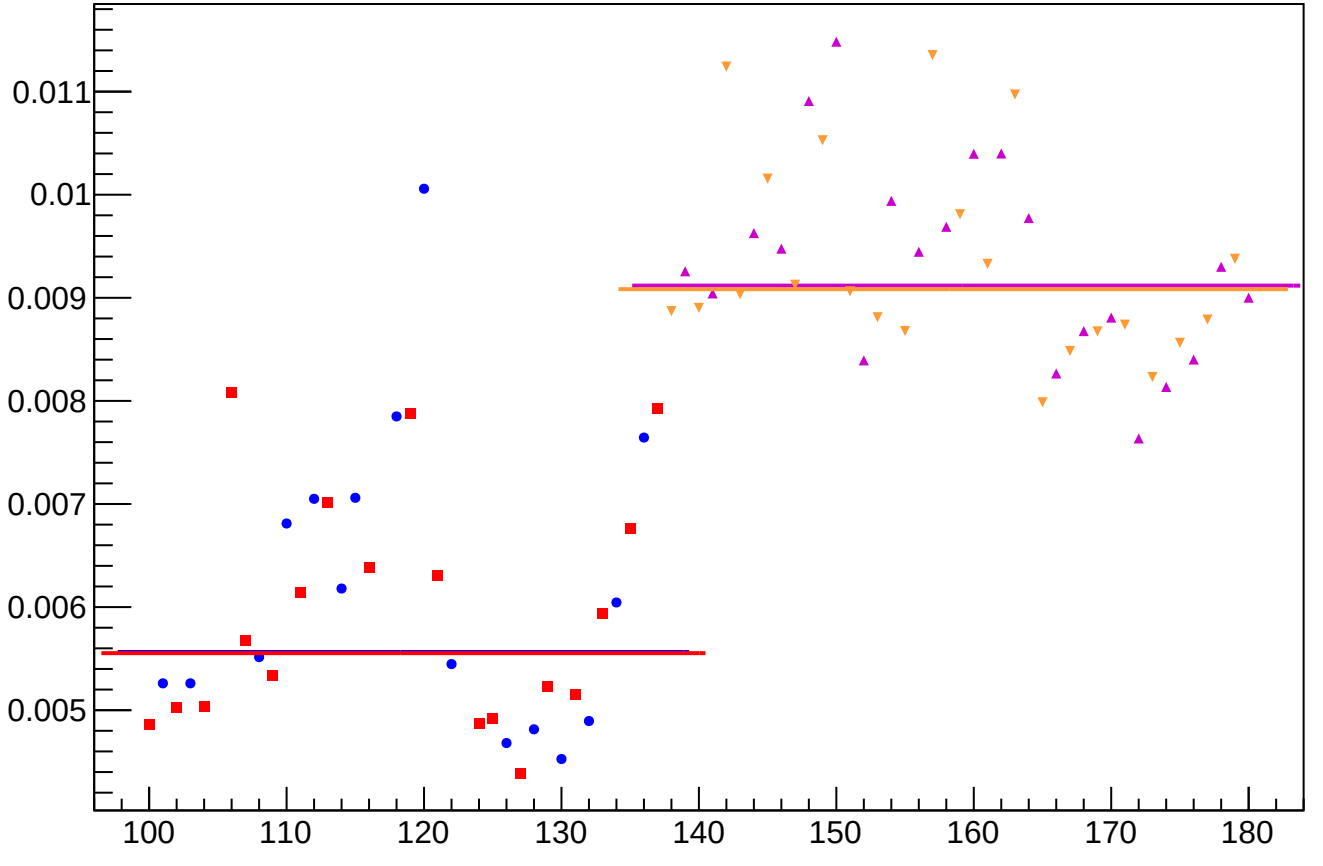
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.109+/-0.000 χ^2/NDF:117883340716.3/36

Out: -6.122+/-0.000 χ^2/NDF:138875834536.4/40

All: -6.115+/-0.000 χ^2/NDF: 256793465904.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:229650.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:284581.0/20

Left: 0.009+/-0.000 χ^2/NDF: 514437.8/42

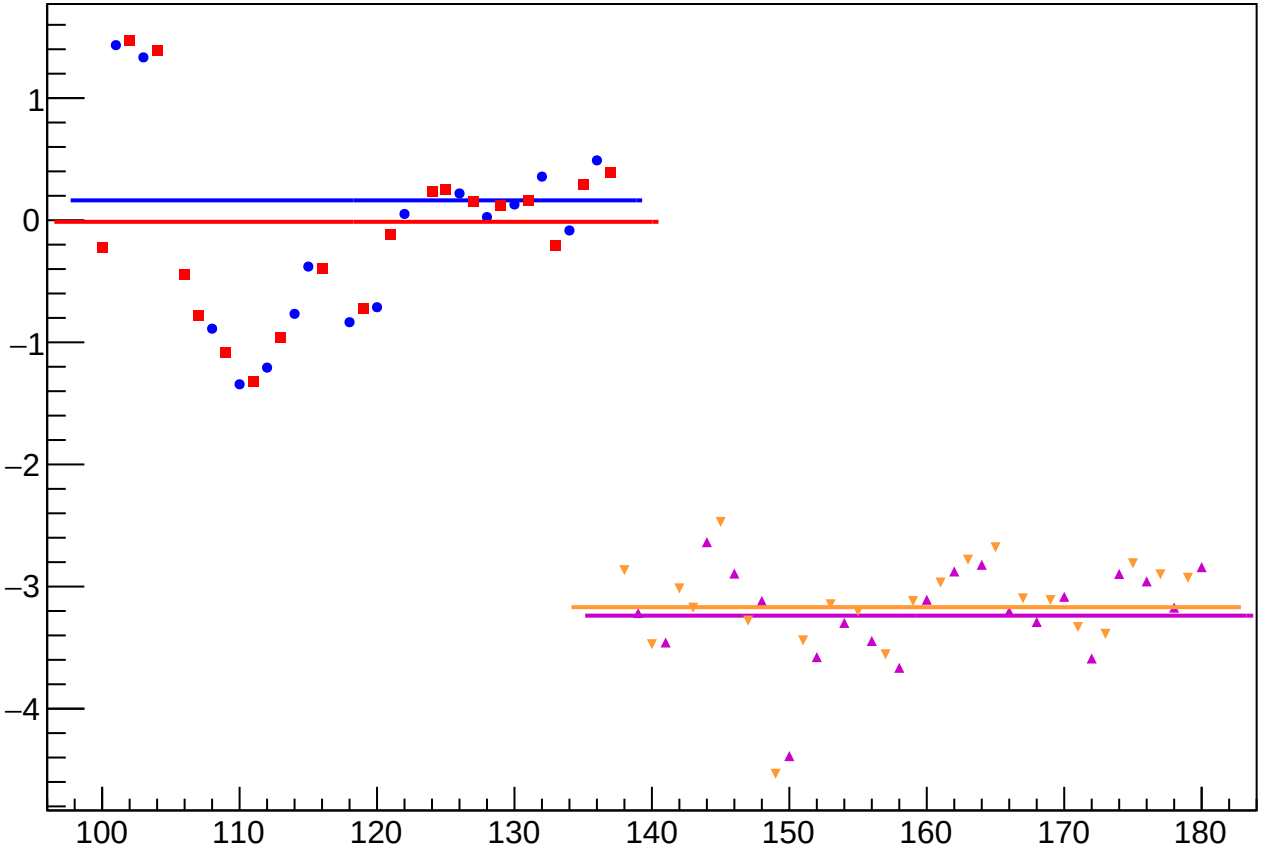
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3124268.8/36

Out: 0.007+/-0.000 χ^2/NDF:2988789.0/40

All: 0.007+/-0.000 χ^2/NDF: 6114702.5/77

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.169+/-0.000 χ^2/NDF:9078247265.2/21

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.238+/-0.000 χ^2/NDF:7899717022.7/20

Left: -3.203+/-0.000 χ^2/NDF: 17112128038.1/42

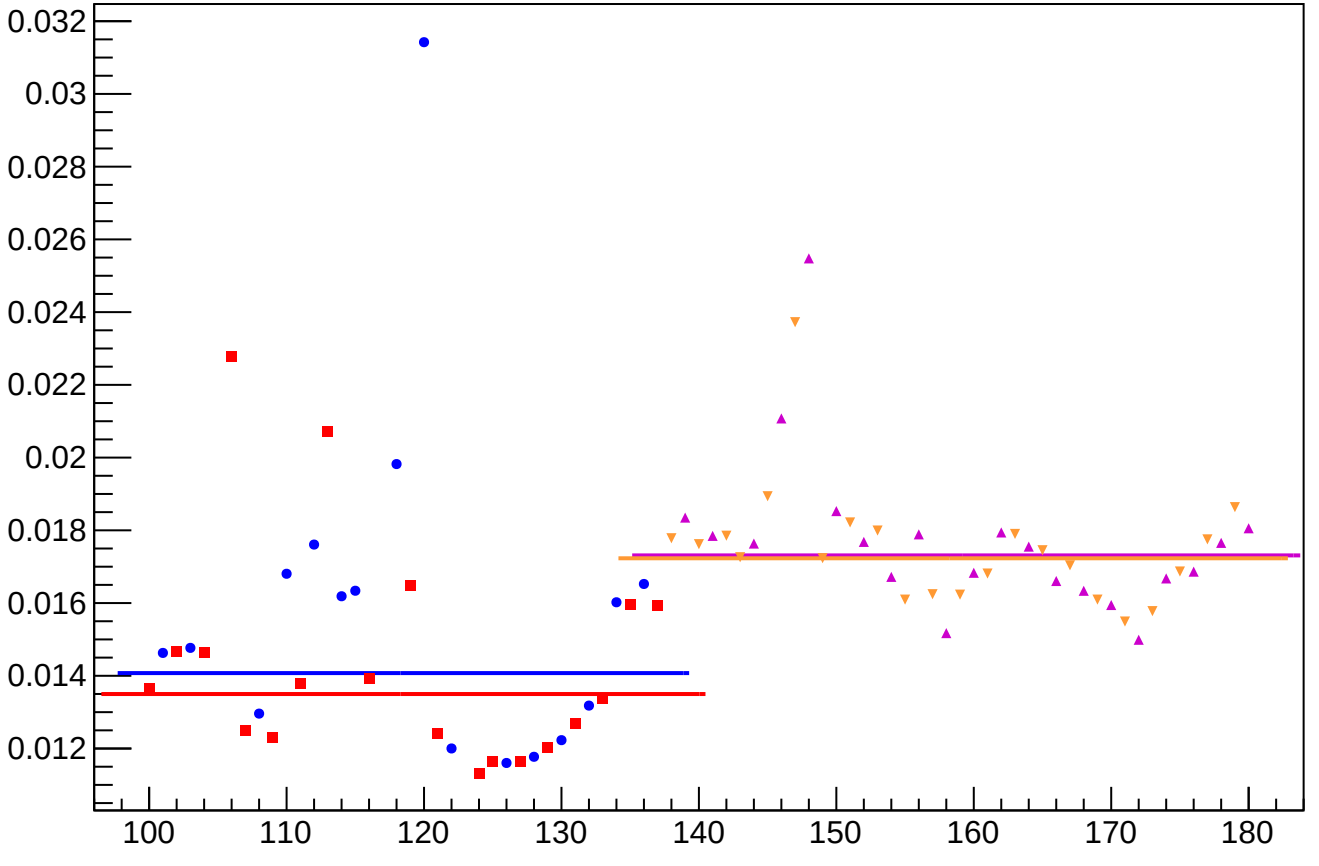
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.990+/-0.000 χ^2/NDF:258929359604.8/36

Out: -1.913+/-0.000 χ^2/NDF:254555753819.0/40

All: -1.950+/-0.000 χ^2/NDF: 513750615257.9

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:211332.3/21

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:326956.5/20

Left: 0.017+/-0.000 χ^2/NDF: 538640.5/42

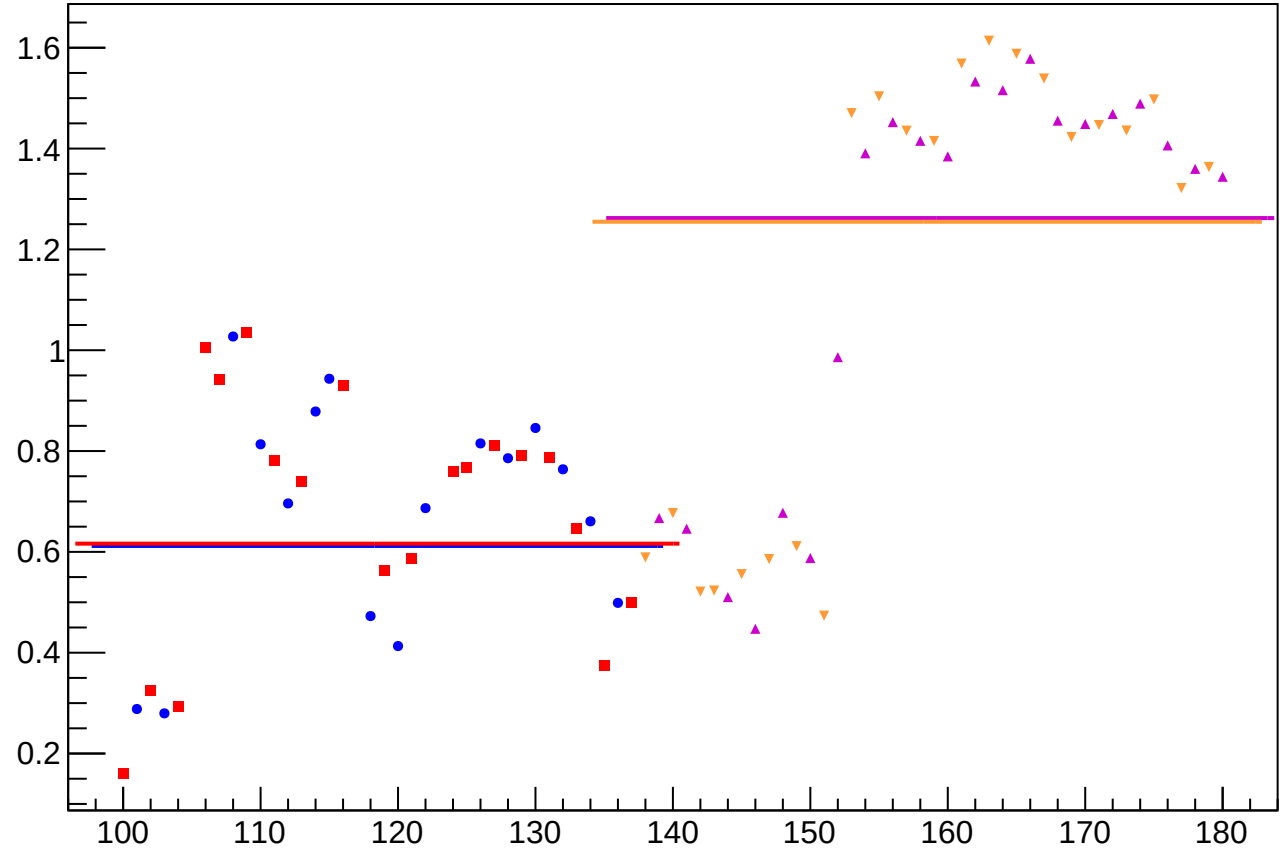
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1214514.8/36

Out: 0.016+/-0.000 χ^2/NDF:1150044.8/40

All: 0.016+/-0.000 χ^2/NDF: 2377329.4/77

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.255+/-0.000 χ^2/NDF:45230445907.4/21

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.262+/-0.000 χ^2/NDF:37456482378.3/20

Left: 1.259+/-0.000 χ^2/NDF: 82695369069.1/42

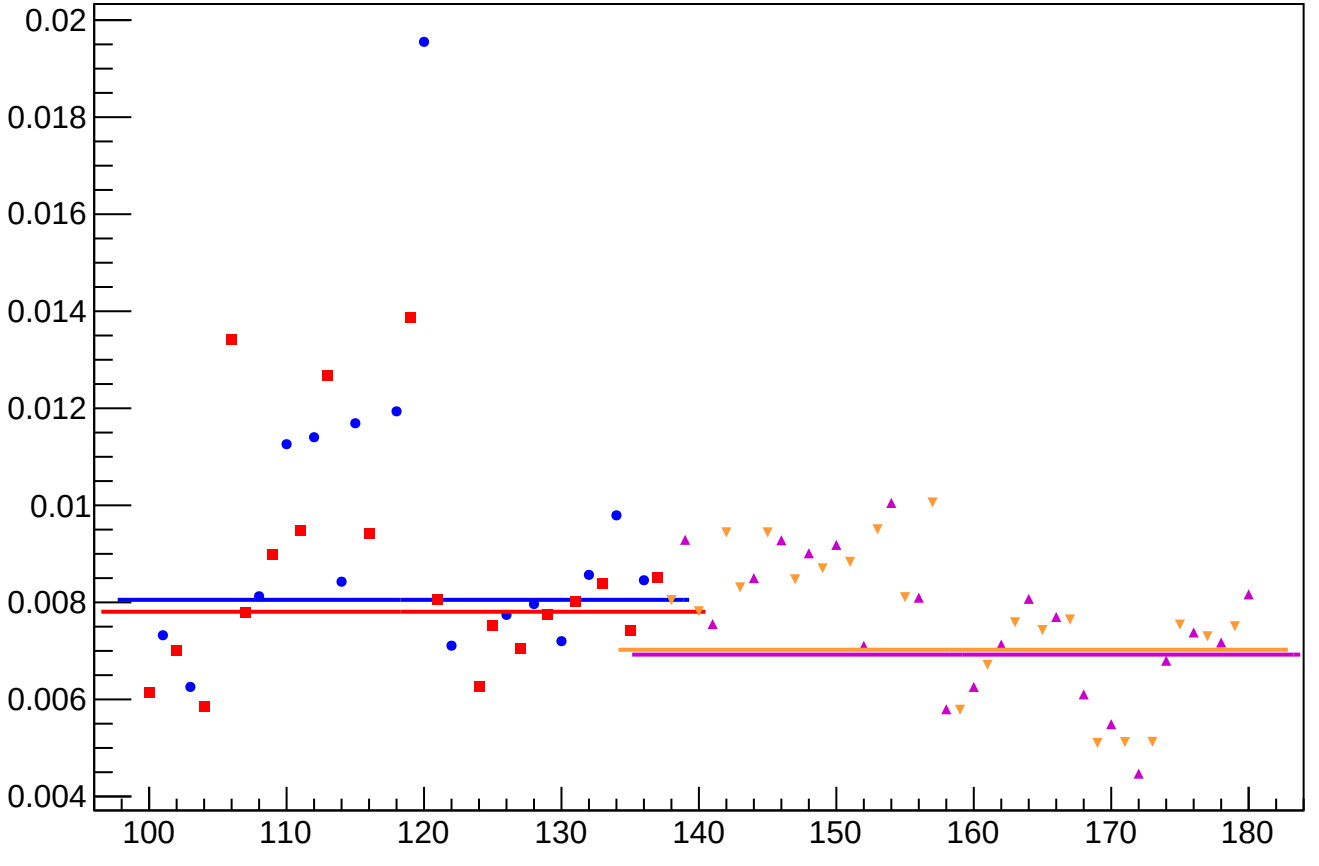
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.113+/-0.000 χ^2/NDF:73917057787.5/36

Out: 1.093+/-0.000 χ^2/NDF:83668702962.1/40

All: 1.103+/-0.000 χ^2/NDF: 157671762433.2

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:1407458.2/21

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1416581.2/20

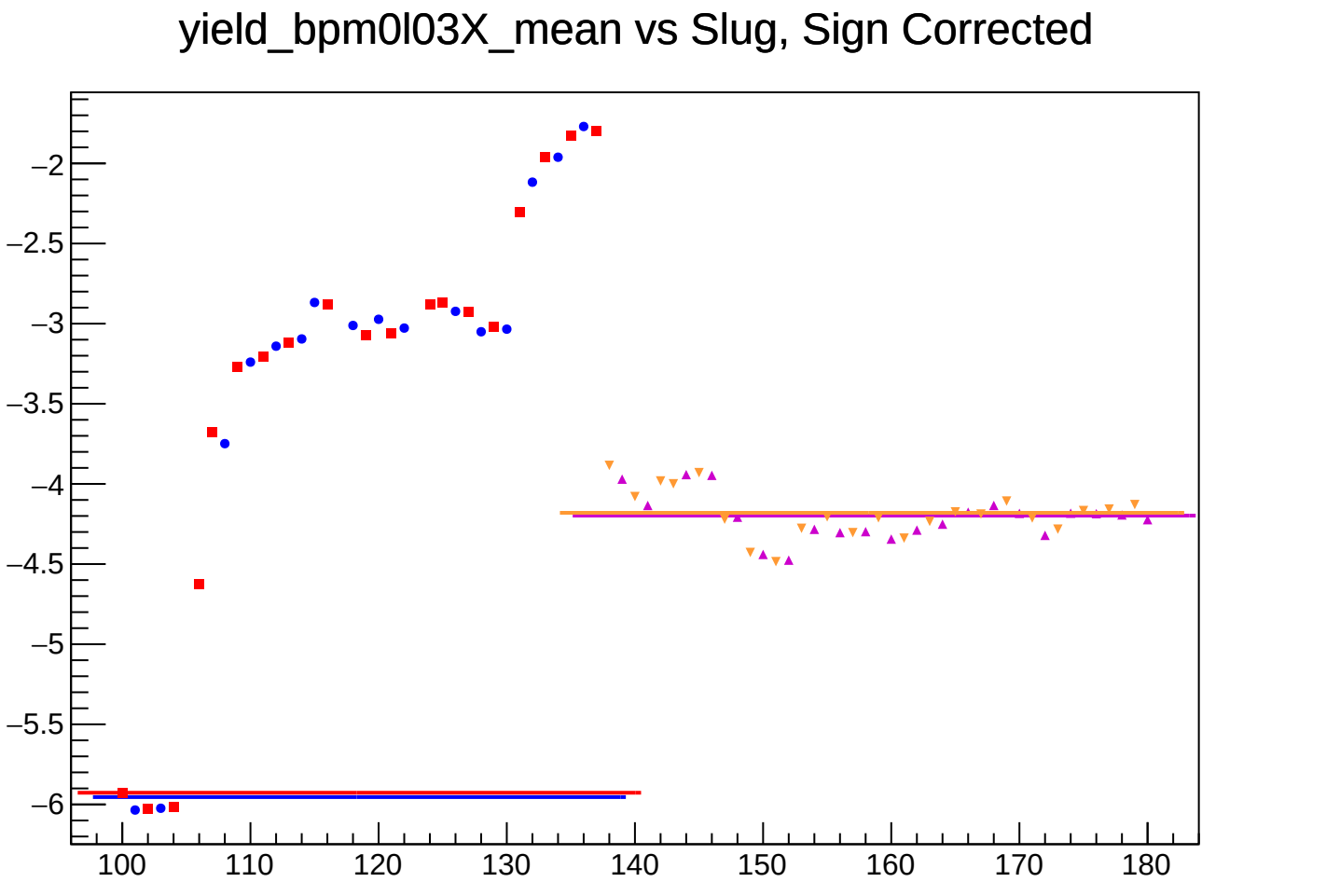
Left: 0.007+/-0.000 χ^2/NDF: 2827201.6/42

Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

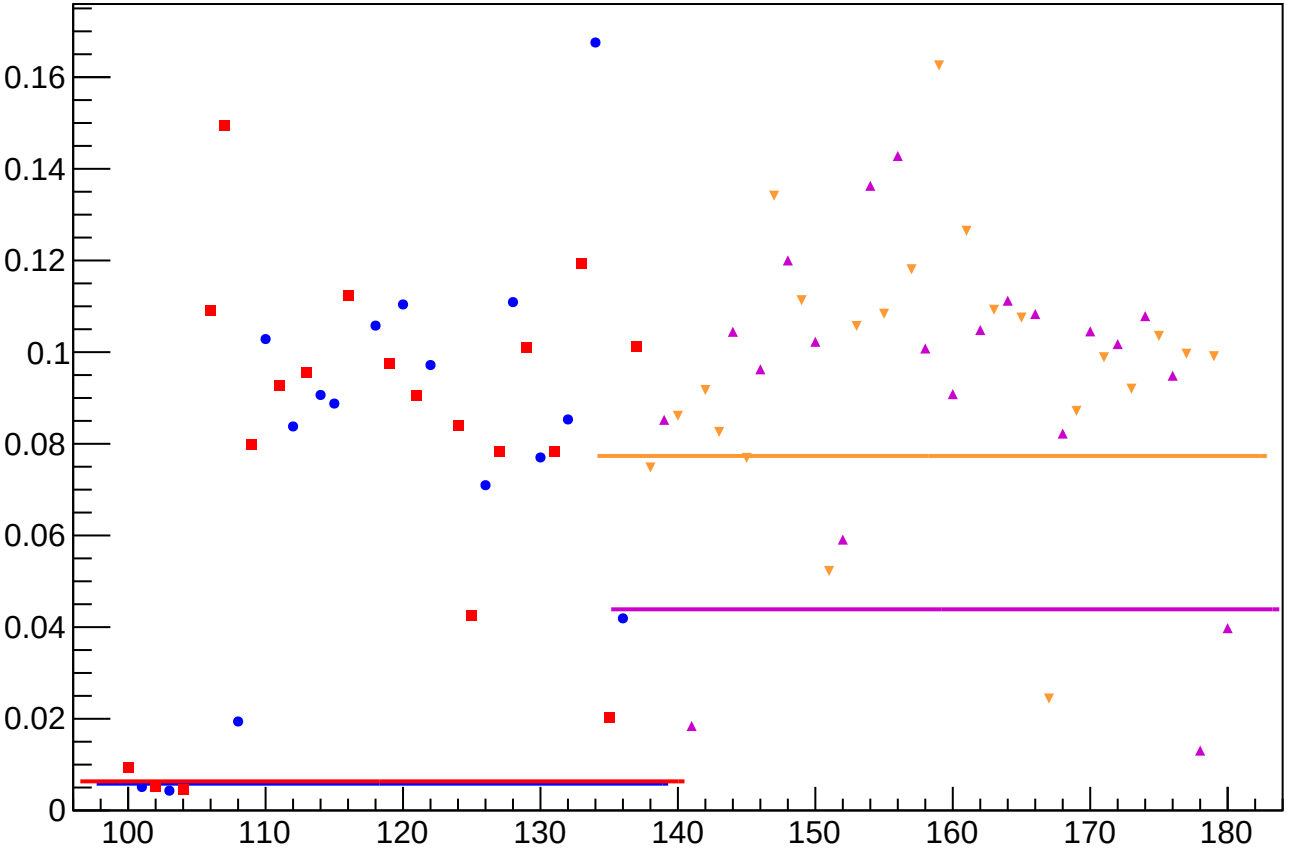
In: 0.007+/-0.000 χ^2/NDF:2200624.7/36

Out: 0.007+/-0.000 χ^2/NDF:2090933.4/40

All: 0.007+/-0.000 χ^2/NDF: 4292238.4/77


yield_bpm0l03X_mean vs Slug, Sign Corrected
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
110
120
130
140
150
160
170
180
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -4.180+/-0.000 χ²/NDF:54130941.9/21
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: -4.198+/-0.000 χ²/NDF:41735825.8/20
Left: -4.192+/-0.000 χ²/NDF: 96278234.7/42
Right: -5.942+/-0.000 χ²/NDF: 27039435928.9/34
In: -5.832+/-0.000 χ²/NDF:24183569934.1/36
Out: -5.845+/-0.000 χ²/NDF:20032005080.6/40
All: -5.838+/-0.000 χ²/NDF: 44219618136.0/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.077+/-0.000 χ^2/NDF:4673229.3/21

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:11939130.5/20

Left: 0.056+/-0.000 χ^2/NDF: 19637924.4/42

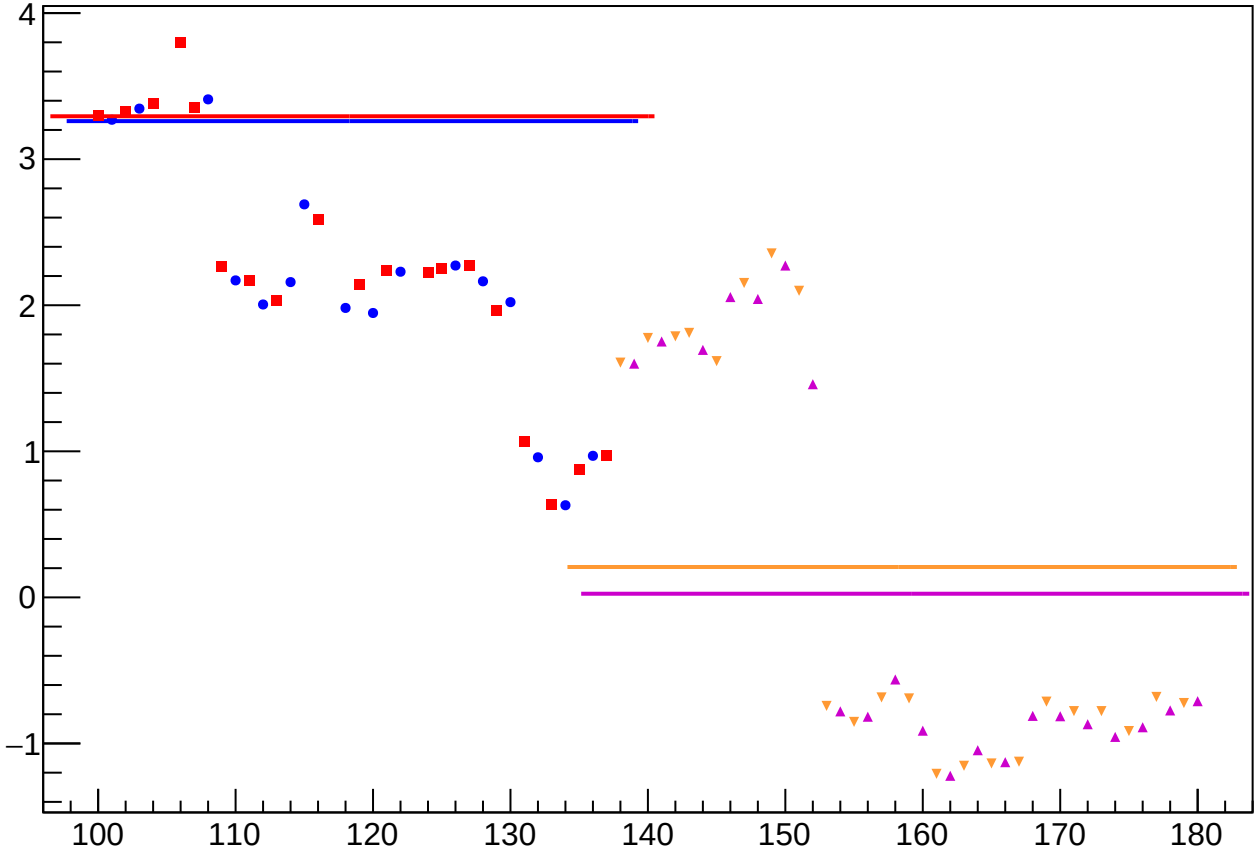
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:31000292.9/36

Out: 0.010+/-0.000 χ^2/NDF:33437607.1/40

All: 0.009+/-0.000 χ^2/NDF: 64507751.9/77

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.208+/-0.000 χ^2/NDF:3389597190.6/21

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.025+/-0.000 χ^2/NDF:3382980599.4/20

Left: 0.106+/-0.000 χ^2/NDF: 6805708672.0/42

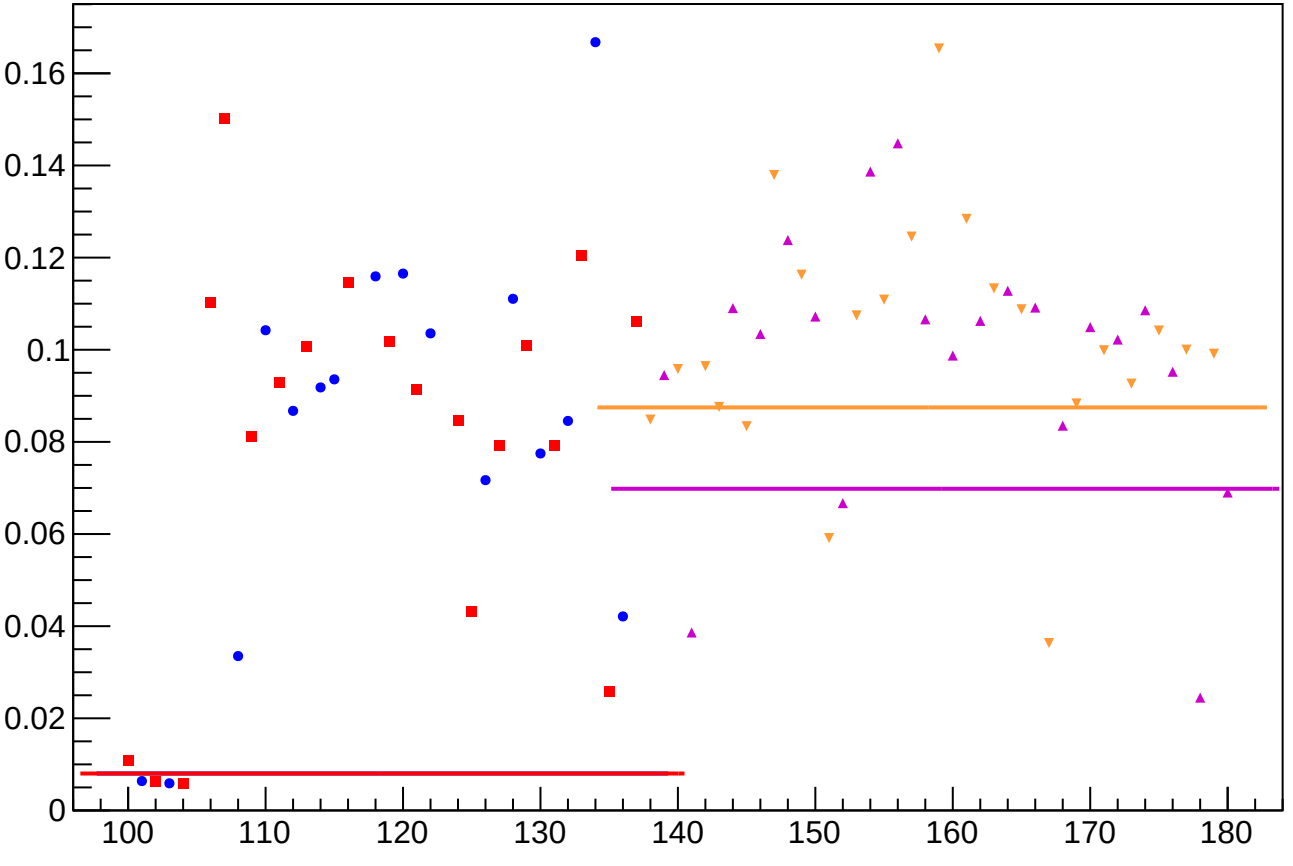
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.042+/-0.000 χ^2/NDF:28290620428.9/36

Out: 3.118+/-0.000 χ^2/NDF:22526211278.7/40

All: 3.079+/-0.000 χ^2/NDF: 50907744736.9/7

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:2889507.0/21

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6191159.2/20

Left: 0.078+/-0.000 χ^2/NDF: 9697671.0/42

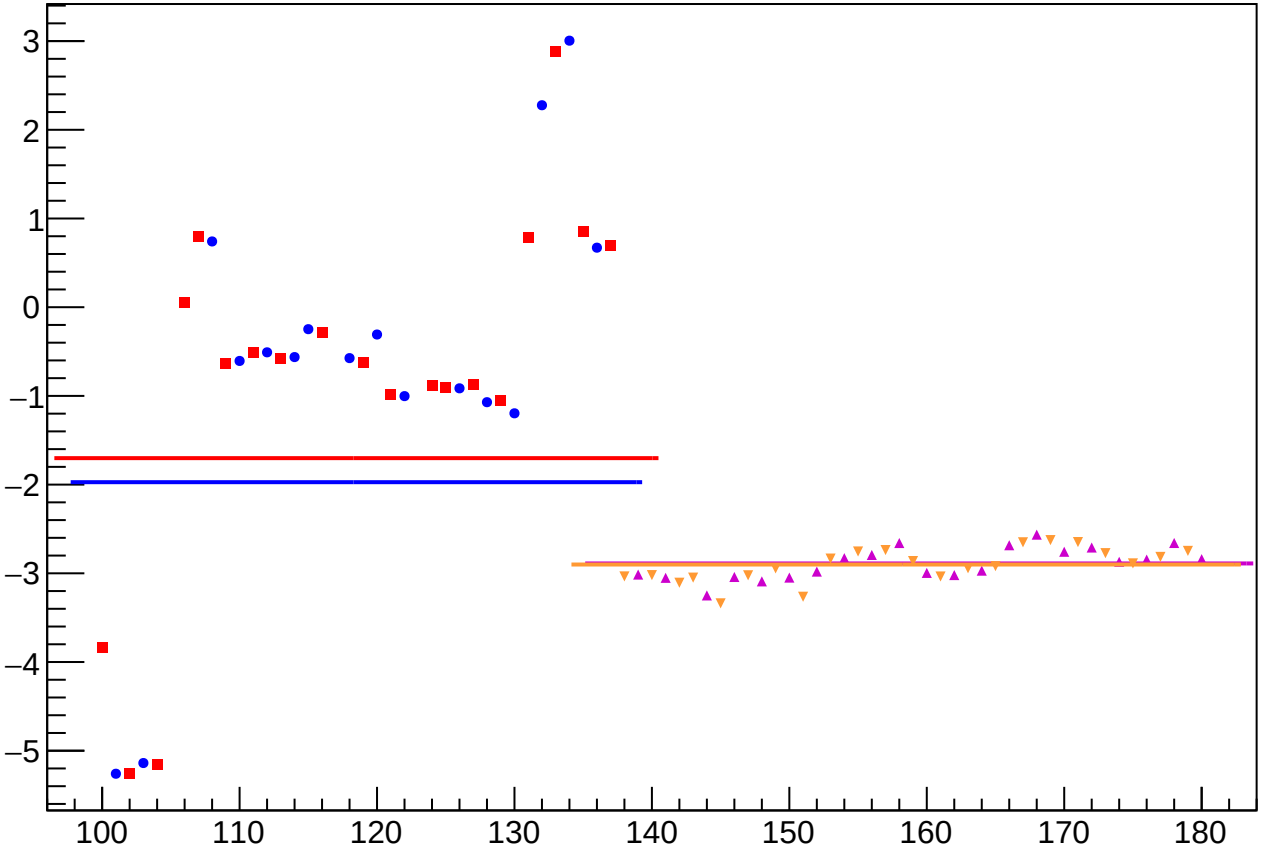
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:30585377.9/36

Out: 0.013+/-0.000 χ^2/NDF:32510879.1/40

All: 0.012+/-0.000 χ^2/NDF: 63100504.3/77

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.901+/-0.000 χ^2/NDF:9296155182.7/21

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.889+/-0.000 χ^2/NDF:8054328269.4/20

Left: -2.895+/-0.000 χ^2/NDF: 17369110802.9/42

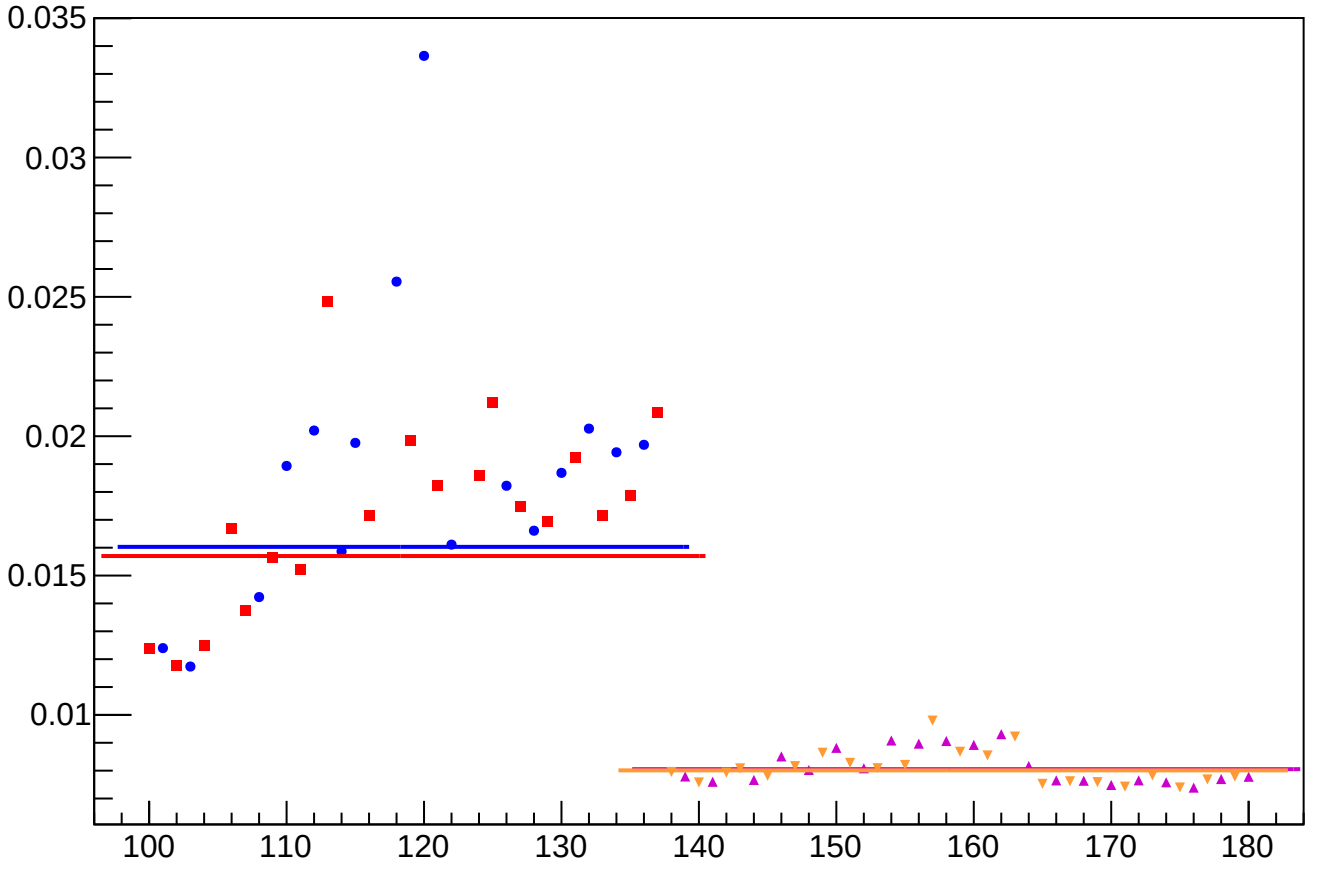
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.814+/-0.000 χ^2/NDF:187482765520.2/36

Out: -2.792+/-0.000 χ^2/NDF:211239281603.3/40

All: -2.803+/-0.000 χ^2/NDF: 398786427256.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:151182.2/21

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:173592.3/20

Left: 0.008+/-0.000 χ^2/NDF: 325257.9/42

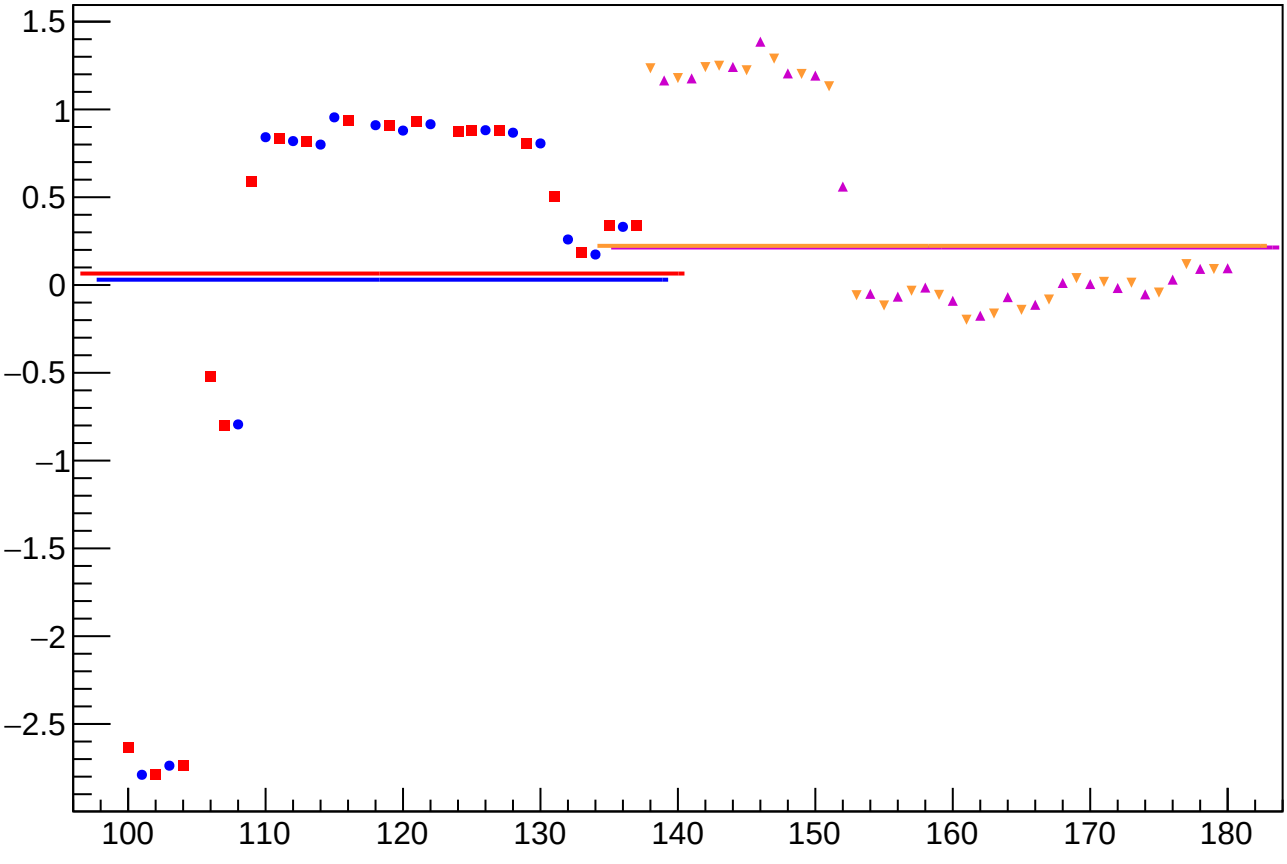
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3555524.6/36

Out: 0.009+/-0.000 χ^2/NDF:3434988.8/40

All: 0.009+/-0.000 χ^2/NDF: 6990513.7/77

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.223+/-0.000 χ^2/NDF:102176225734.0/21

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.214+/-0.000 χ^2/NDF:86796364207.4/20

Left: 0.218+/-0.000 χ^2/NDF: 188990237109.8/42

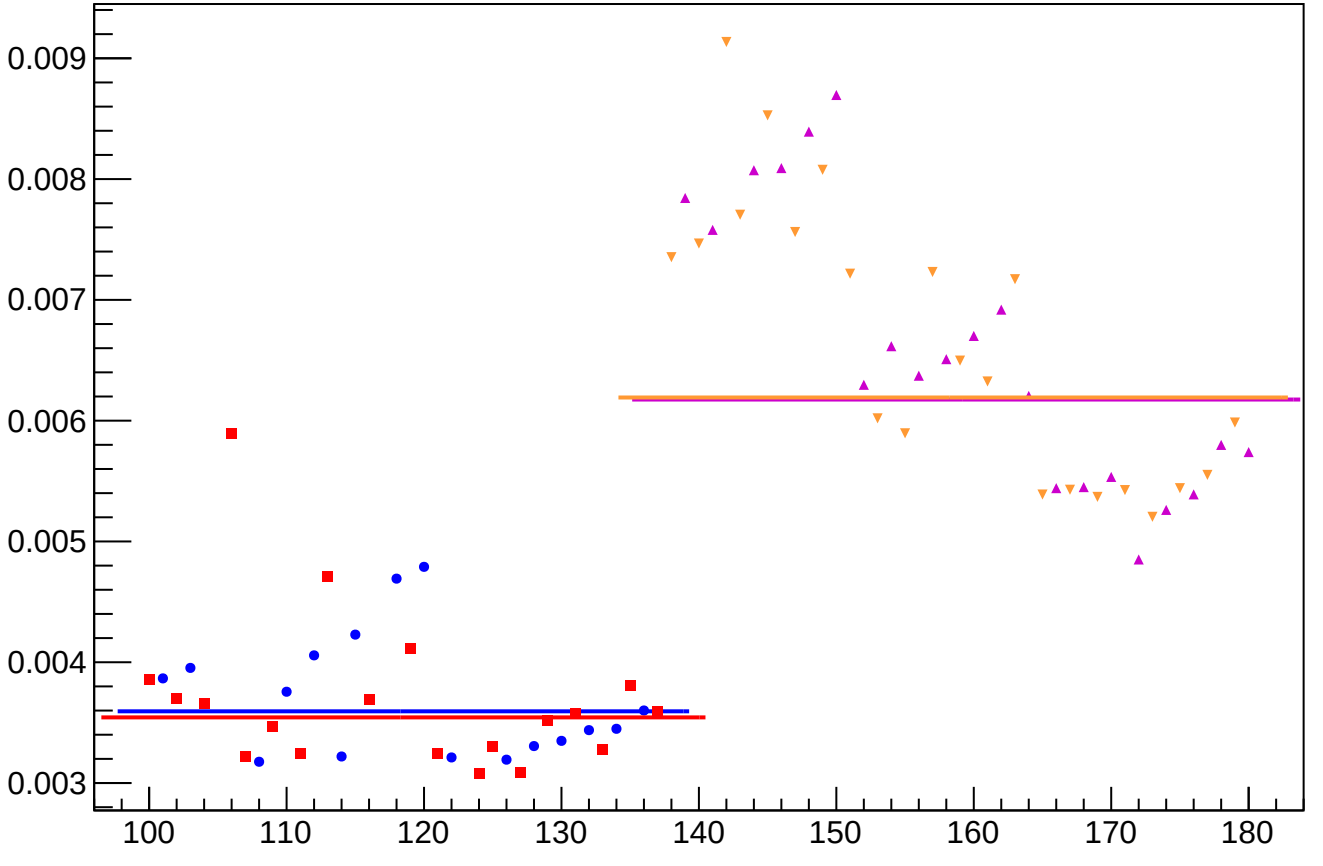
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:945986739474.3/36

Out: 0.130+/-0.000 χ^2/NDF:1043392258094.1/40

All: 0.120+/-0.000 χ^2/NDF: 1989592595884.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:729118.8/21

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:811362.6/20

Left: 0.006+/-0.000 χ^2/NDF: 1540593.2/42

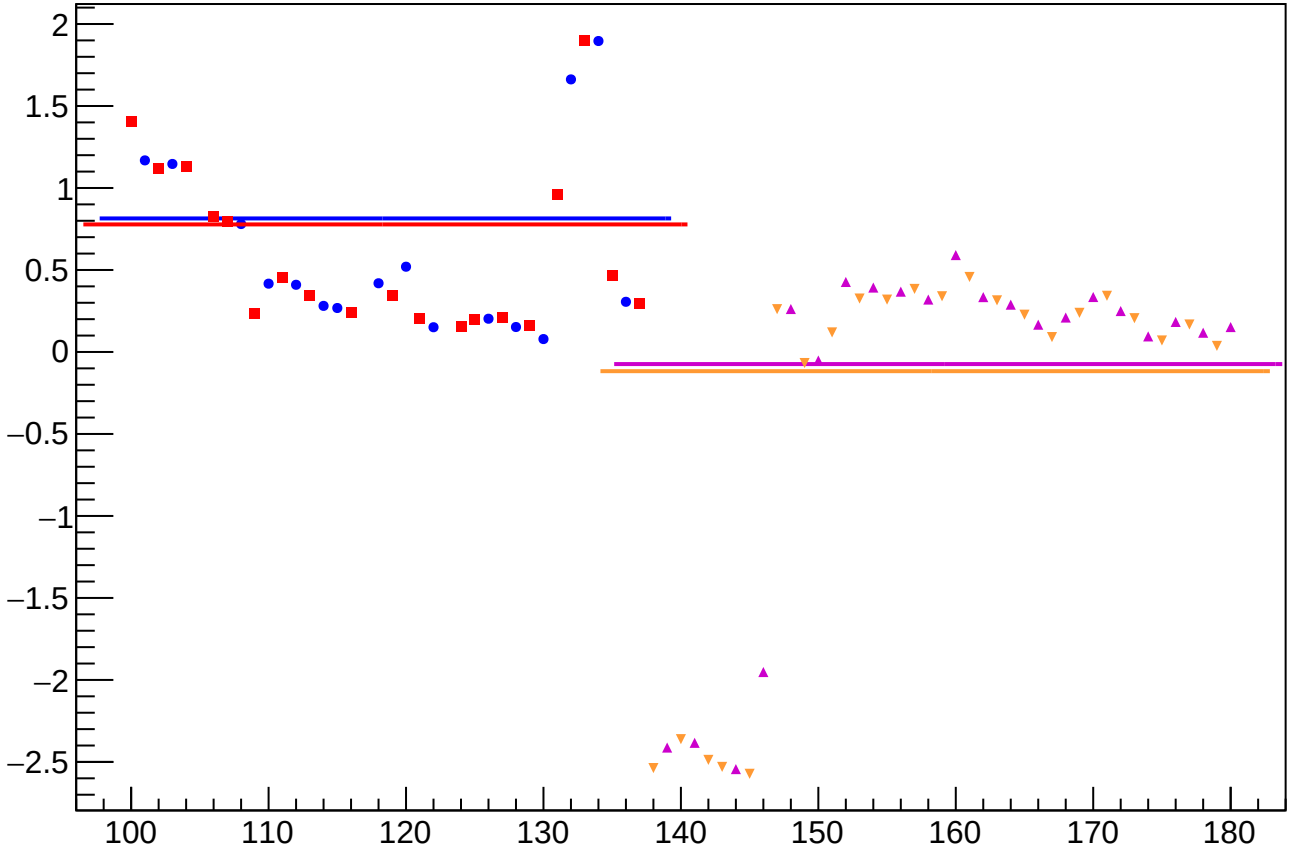
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3968793.0/36

Out: 0.005+/-0.000 χ^2/NDF:4186368.0/40

All: 0.005+/-0.000 χ^2/NDF: 8159298.3/77

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.117+/-0.000 χ^2/NDF:381865712369.0/21

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.074+/-0.000 χ^2/NDF:344242528005.8/20

Left: -0.096+/-0.000 χ^2/NDF: 726538567810.6/42

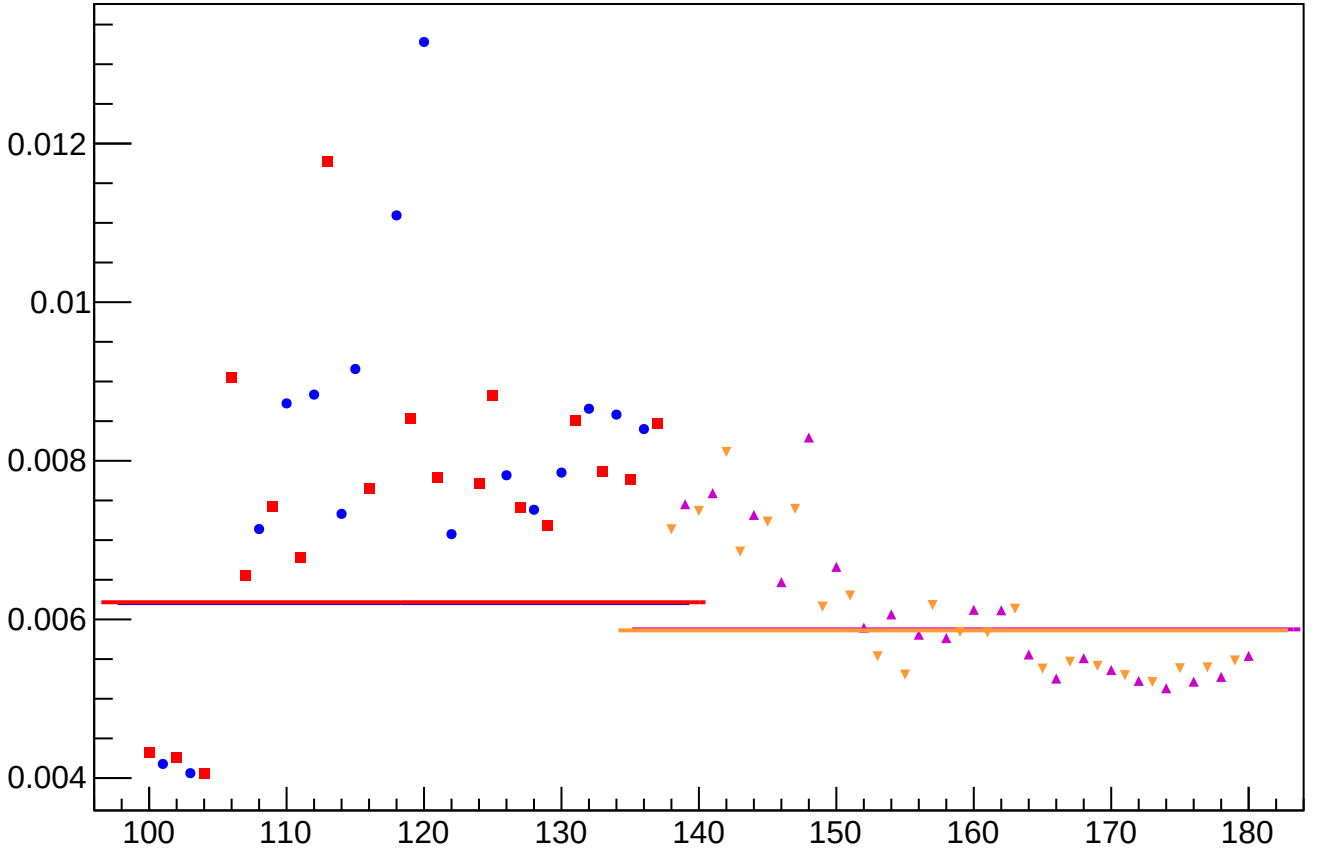
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.140+/-0.000 χ^2/NDF:466103754342.3/36

Out: 0.109+/-0.000 χ^2/NDF:509523359522.8/40

All: 0.124+/-0.000 χ^2/NDF: 975915493019.2

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:437687.6/21

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:519997.3/20

Left: 0.006+/-0.000 χ^2/NDF: 957755.7/42

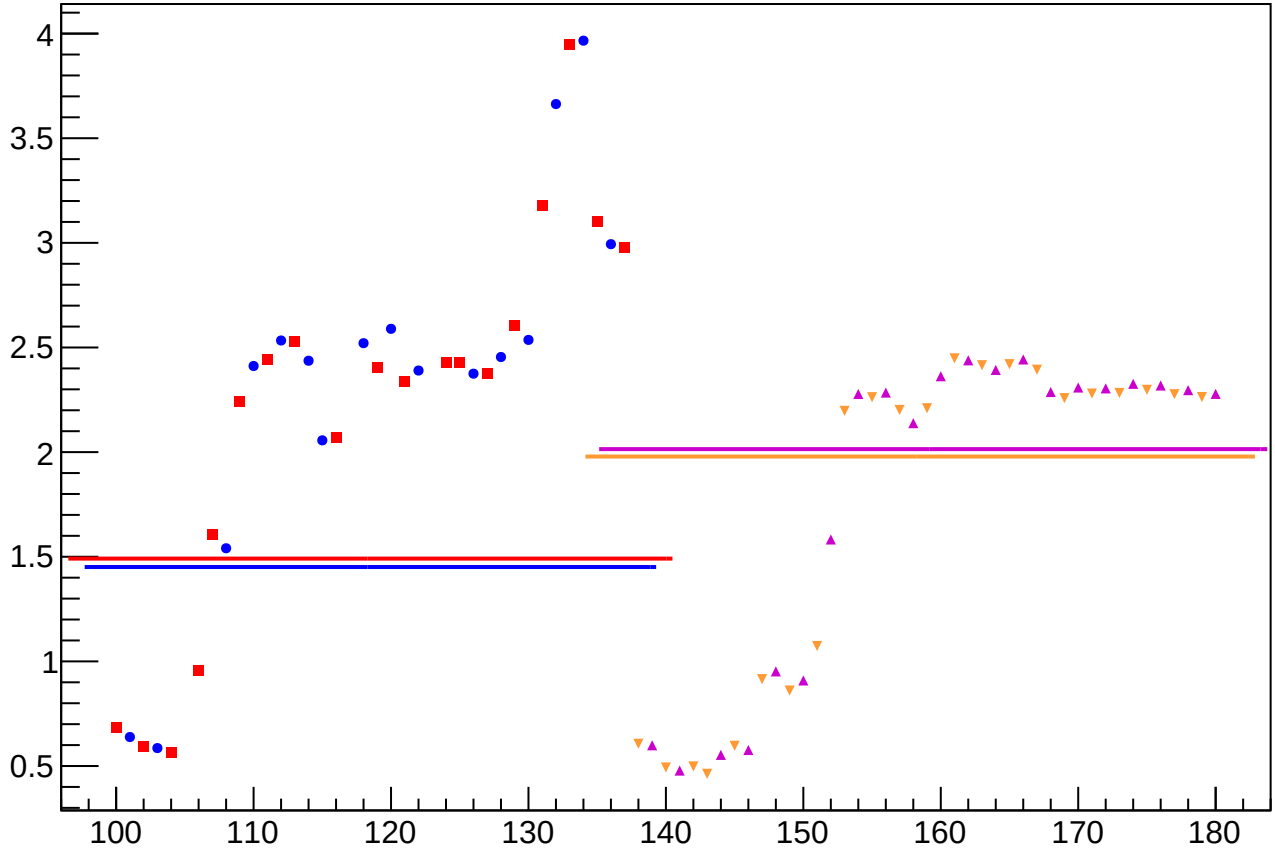
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1967955.5/36

Out: 0.006+/-0.000 χ^2/NDF:1627948.2/40

All: 0.006+/-0.000 χ^2/NDF: 3595907.9/77

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.979+/-0.000 χ^2/NDF:215426985559.2/21

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 2.014+/-0.000 χ^2/NDF:192800367073.9/20

Left: 1.997+/-0.000 χ^2/NDF: 408544213635.4/42

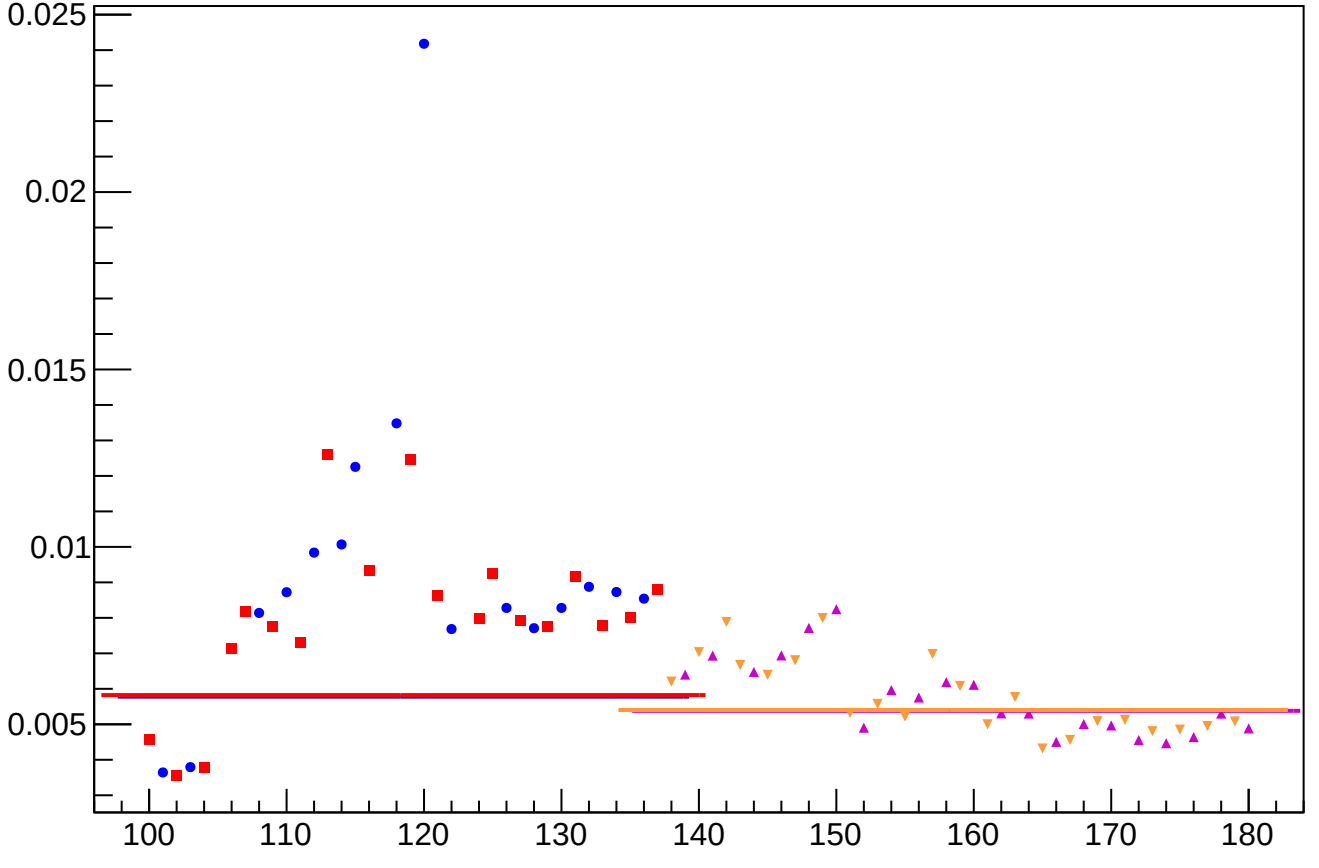
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.885+/-0.000 χ^2/NDF:399107610492.6/36

Out: 1.861+/-0.000 χ^2/NDF:431469125769.9/40

All: 1.873+/-0.000 χ^2/NDF: 830775322248.2

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:709447.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:801765.5/20

Left: 0.005+/-0.000 χ^2/NDF: 1511482.0/42

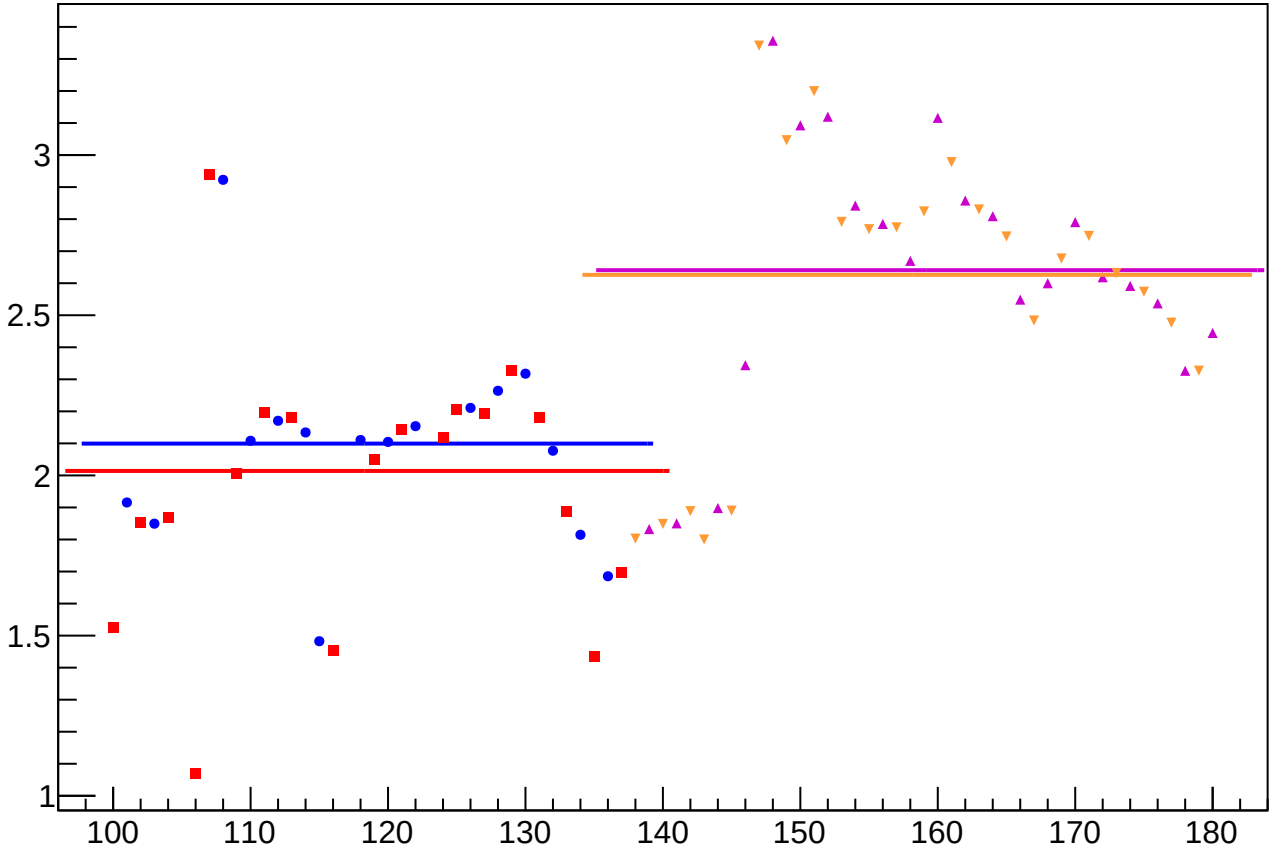
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.005+/-0.000 χ^2/NDF:3052675.2/36

Out: 0.006+/-0.000 χ^2/NDF:2708456.4/40

All: 0.005+/-0.000 χ^2/NDF: 5761861.6/77

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.626+/-0.000 χ^2/NDF:45904149268.9/21

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.641+/-0.000 χ^2/NDF:40201519884.5/20

Left: 2.633+/-0.000 χ^2/NDF: 86136864115.8/42

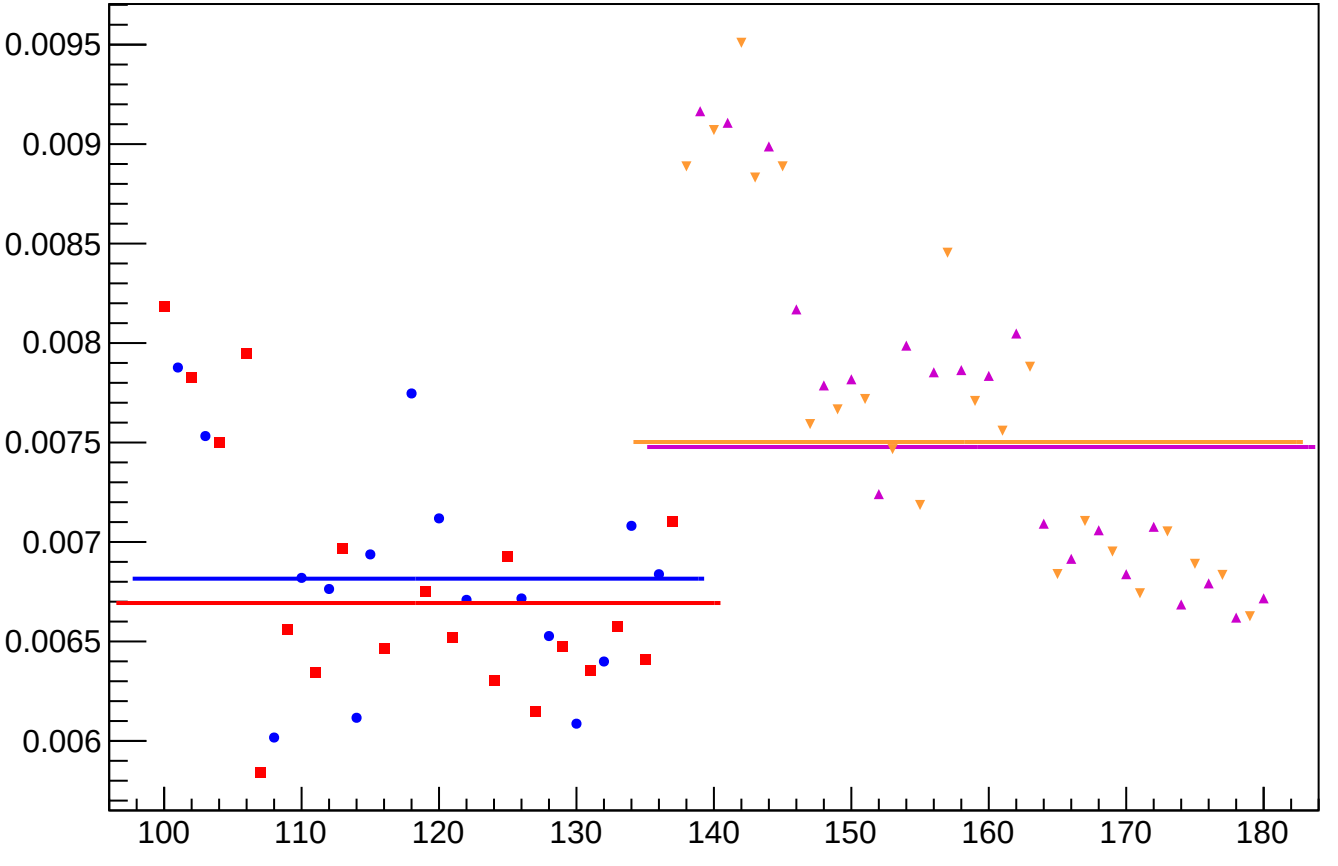
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.459+/-0.000 χ^2/NDF:82756192693.0/36

Out: 2.409+/-0.000 χ^2/NDF:104093472190.2/40

All: 2.434+/-0.000 χ^2/NDF: 187399474690.8

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:323247.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.007+/-0.000 χ^2/NDF:320930.9/20

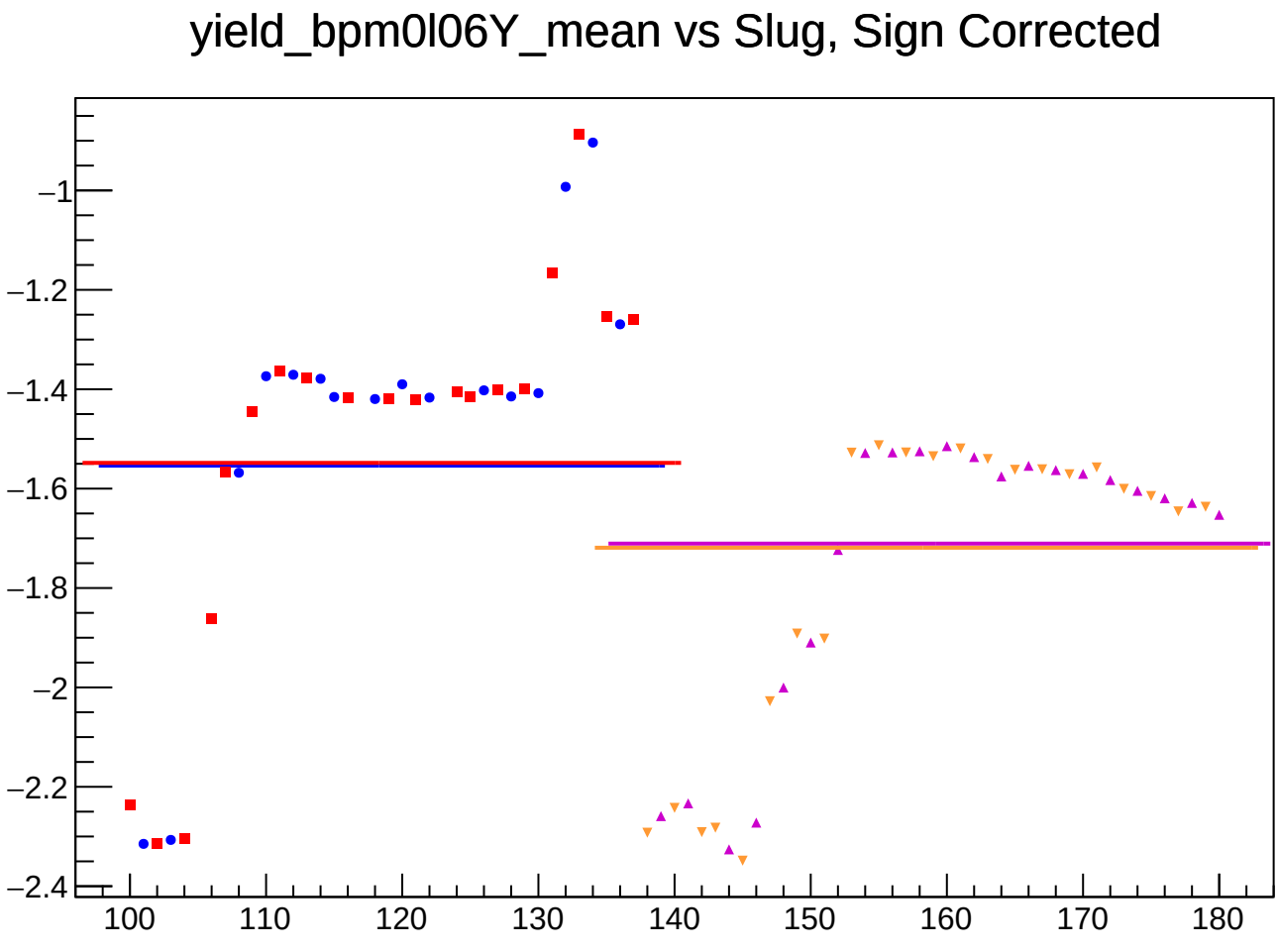
Left: 0.007+/-0.000 χ^2/NDF: 644363.9/42

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:493294.7/36

Out: 0.007+/-0.000 χ^2/NDF:546058.9/40

All: 0.007+/-0.000 χ^2/NDF: 1040041.5/77



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.719+/-0.000 χ^2/NDF:149210512854.8/21

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.711+/-0.000 χ^2/NDF:135548887936.1/20

Left: -1.715+/-0.000 χ^2/NDF: 284829573977.4/42

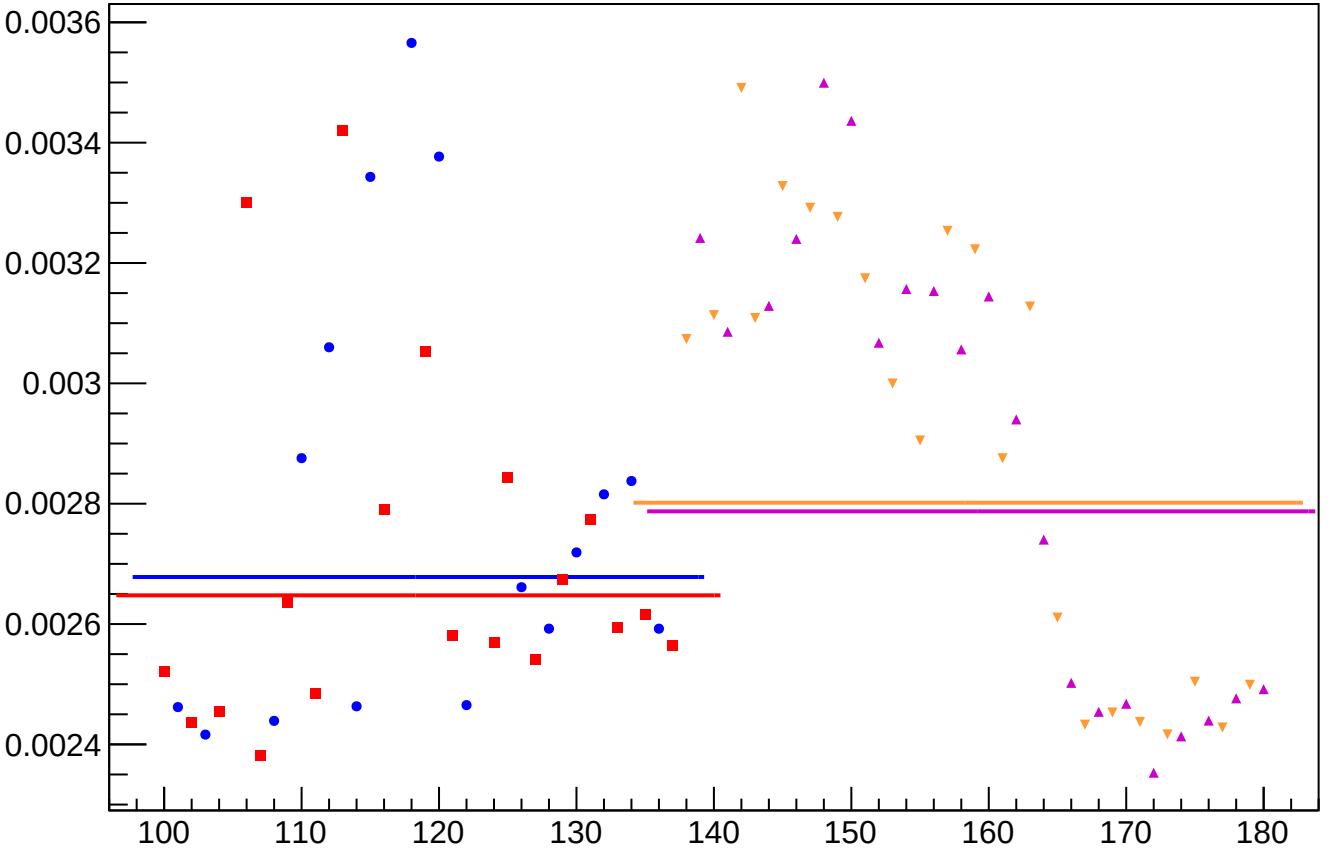
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.662+/-0.000 χ^2/NDF:326610139973.2/36

Out: -1.663+/-0.000 χ^2/NDF:343571429275.2/40

All: -1.662+/-0.000 χ^2/NDF: 670184212696.

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:509396.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:555816.9/20

Left: 0.003+/-0.000 χ^2/NDF: 1065640.7/42

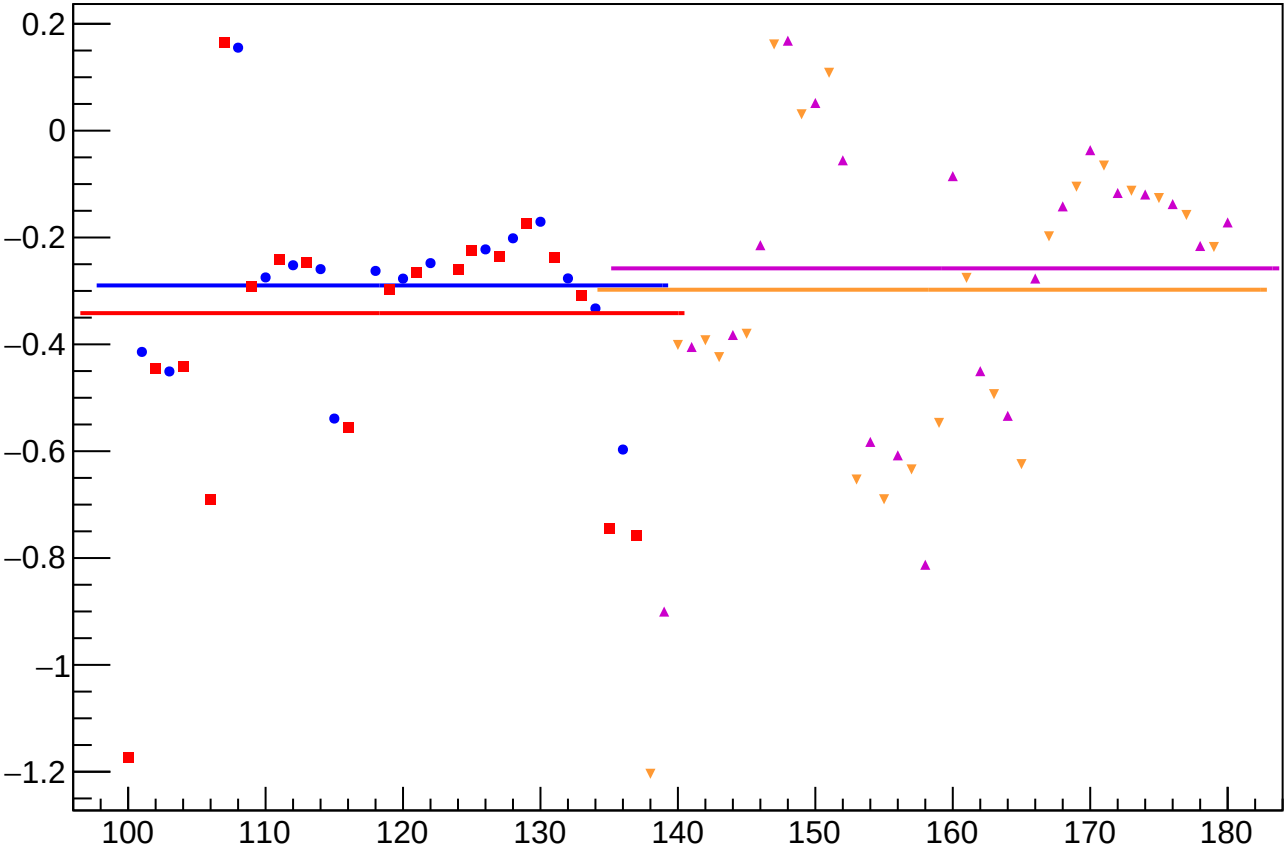
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:729025.8/36

Out: 0.003+/-0.000 χ^2/NDF:657458.8/40

All: 0.003+/-0.000 χ^2/NDF: 1386496.7/77

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.298+/-0.000 χ^2/NDF:9117289948.5/21

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.258+/-0.000 χ^2/NDF:7099282916.9/20

Left: -0.278+/-0.000 χ^2/NDF: 16301007345.1/42

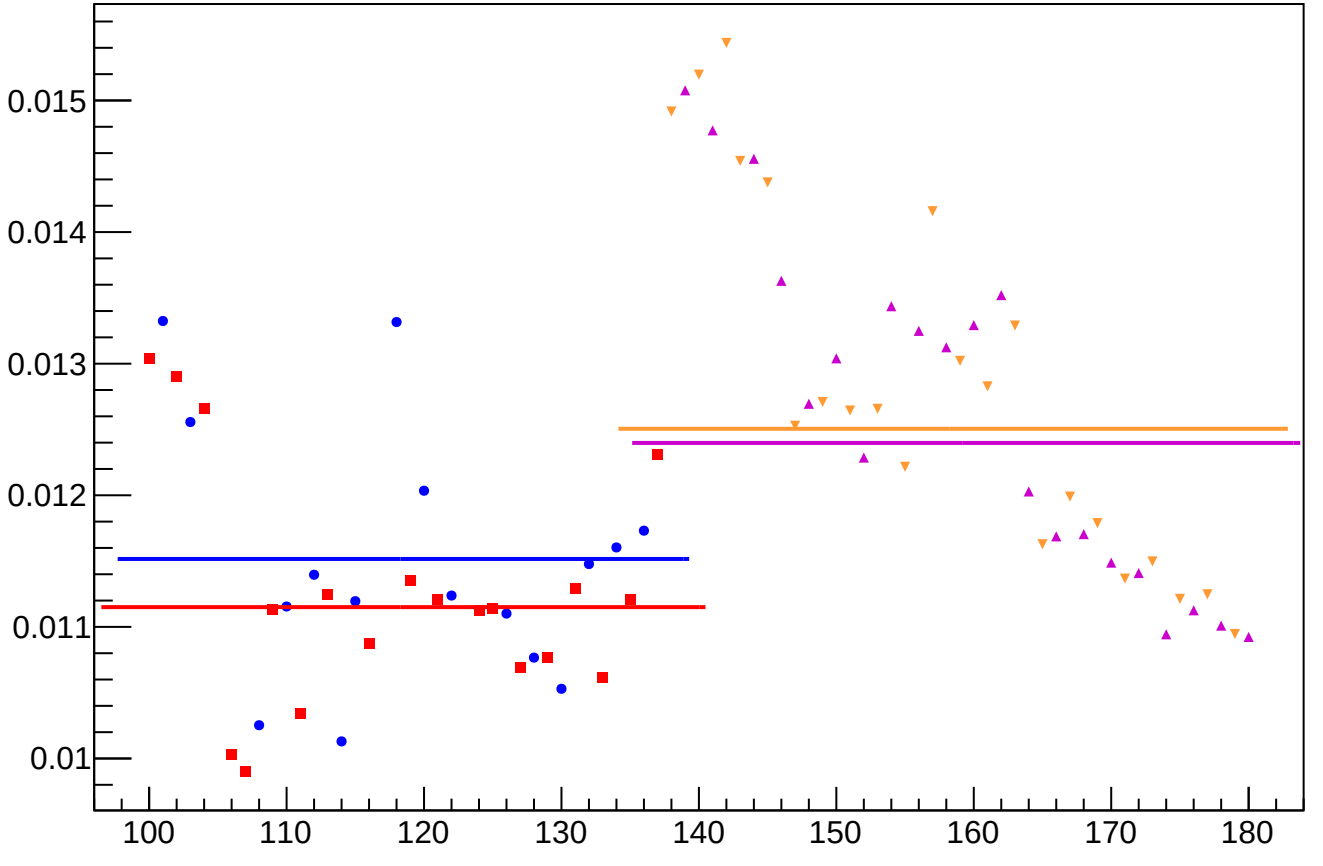
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.268+/-0.000 χ^2/NDF:8780143648.4/36

Out: -0.313+/-0.000 χ^2/NDF:11798649131.1/40

All: -0.291+/-0.000 χ^2/NDF: 20742193674.5/

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:316899.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.012+/-0.000 χ^2/NDF:324999.9/20

Left: 0.012+/-0.000 χ^2/NDF: 643120.9/42

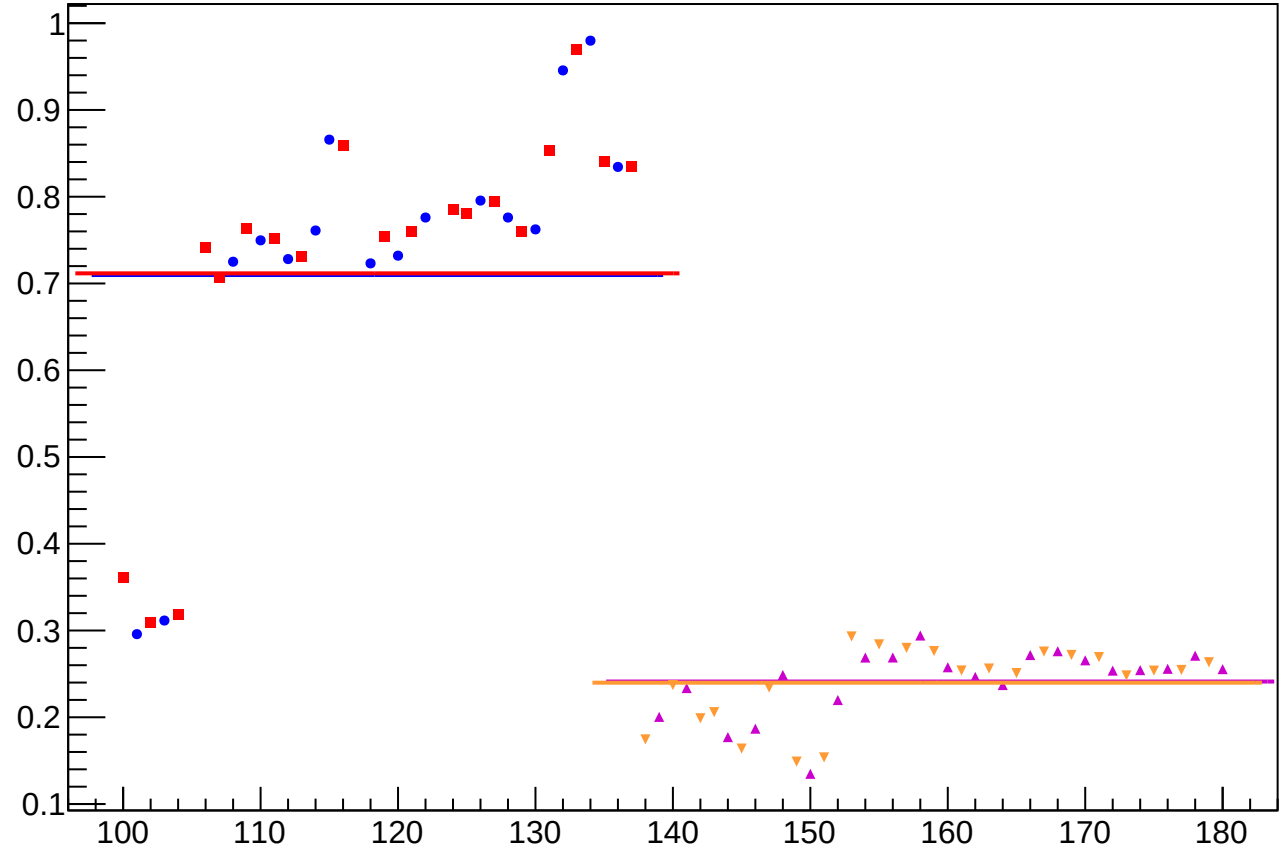
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:463612.9/36

Out: 0.012+/-0.000 χ^2/NDF:525343.0/40

All: 0.012+/-0.000 χ^2/NDF: 990123.1/77

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.240+/-0.000 χ^2/NDF:6990905603.1/21

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.241+/-0.000 χ^2/NDF:5668698278.3/20

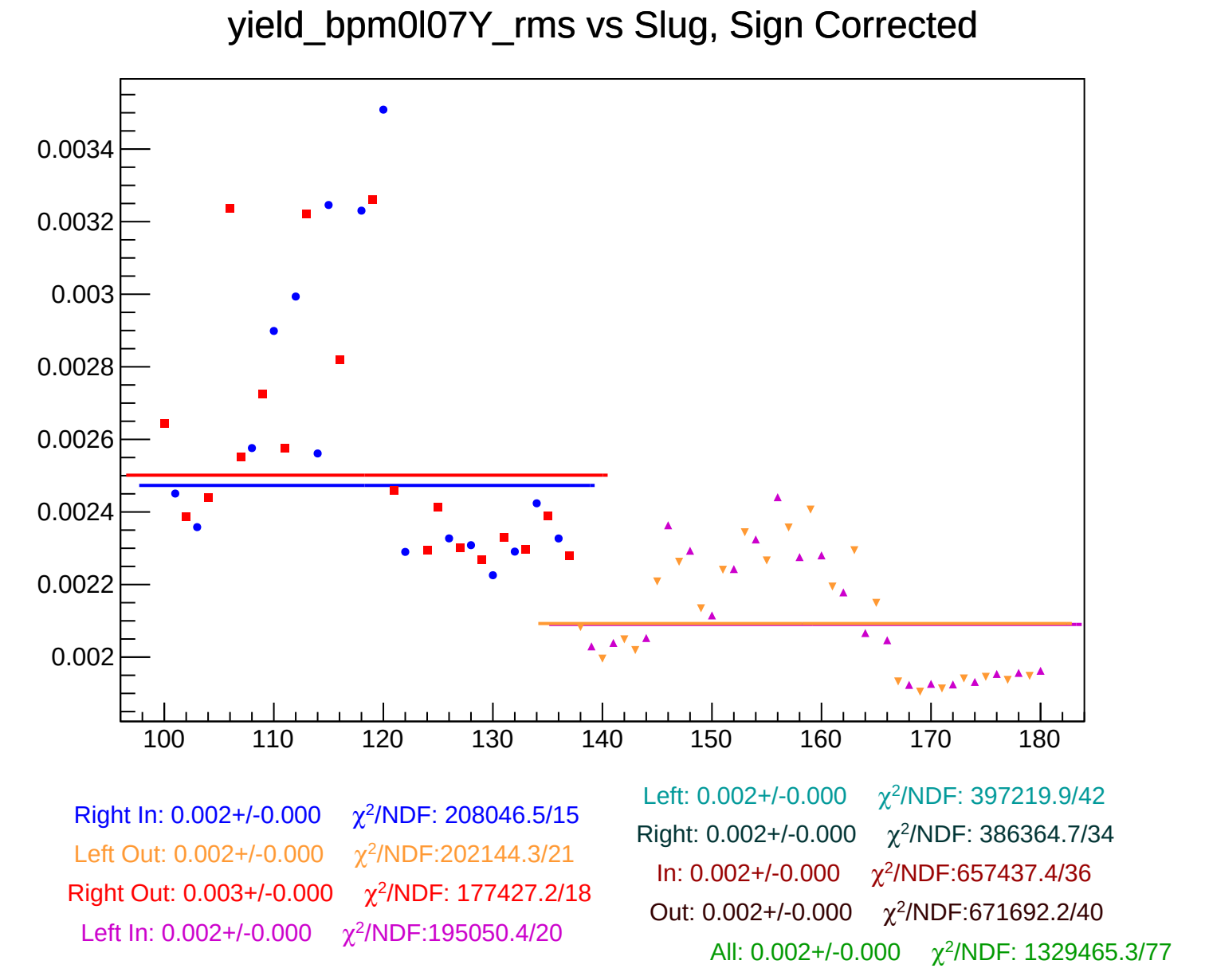
Left: 0.241+/-0.000 χ^2/NDF: 12663039029.2/42

Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

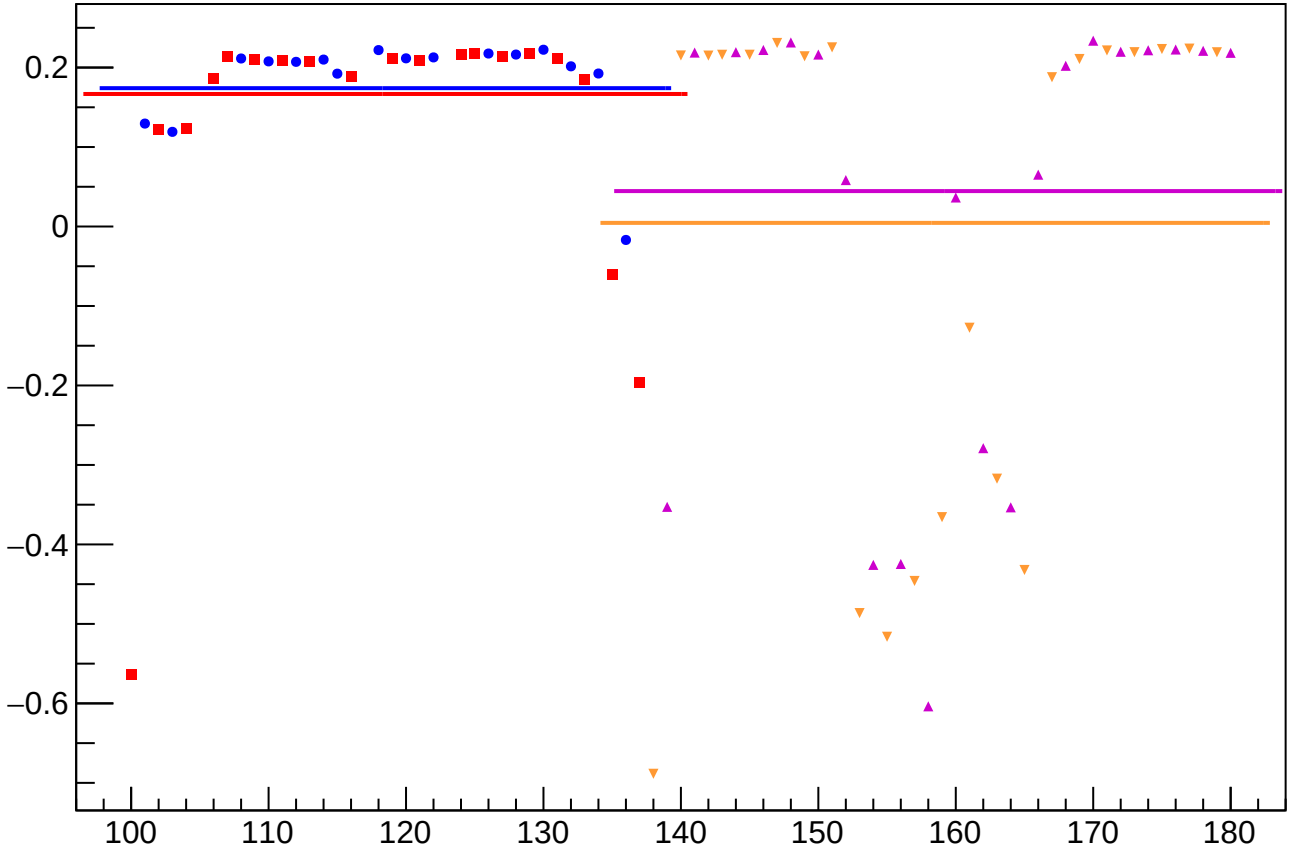
In: 0.345+/-0.000 χ^2/NDF:244844739239.3/36

Out: 0.345+/-0.000 χ^2/NDF:245777727833.1/40

All: 0.345+/-0.000 χ^2/NDF: 490623693142.4


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
180
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:202144.3/21
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:195050.4/20
Left: 0.002+/-0.000 χ²/NDF: 397219.9/42
Right: 0.002+/-0.000 χ²/NDF: 386364.7/34
In: 0.002+/-0.000 χ²/NDF:657437.4/36
Out: 0.002+/-0.000 χ²/NDF:671692.2/40
All: 0.002+/-0.000 χ²/NDF: 1329465.3/77

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:12356533570.2/21

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.045+/-0.000 χ^2/NDF:9475682941.3/20

Left: 0.025+/-0.000 χ^2/NDF: 21935337608.4/42

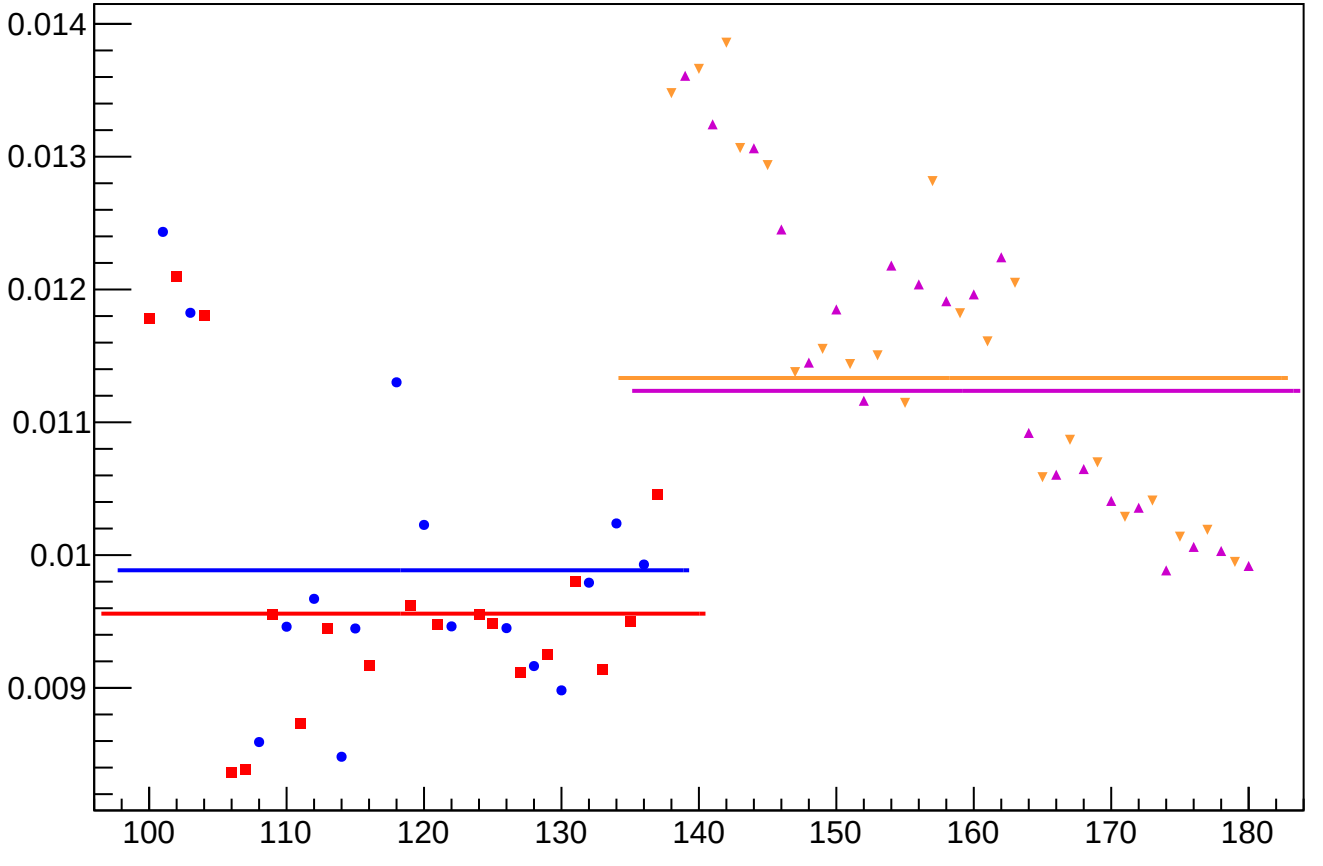
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.090+/-0.000 χ^2/NDF:10640650885.1/36

Out: 0.066+/-0.000 χ^2/NDF:14535435723.0/40

All: 0.078+/-0.000 χ^2/NDF: 25234167653.5/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:303915.6/21

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:314186.5/20

Left: 0.011+/-0.000 χ^2/NDF: 619312.0/42

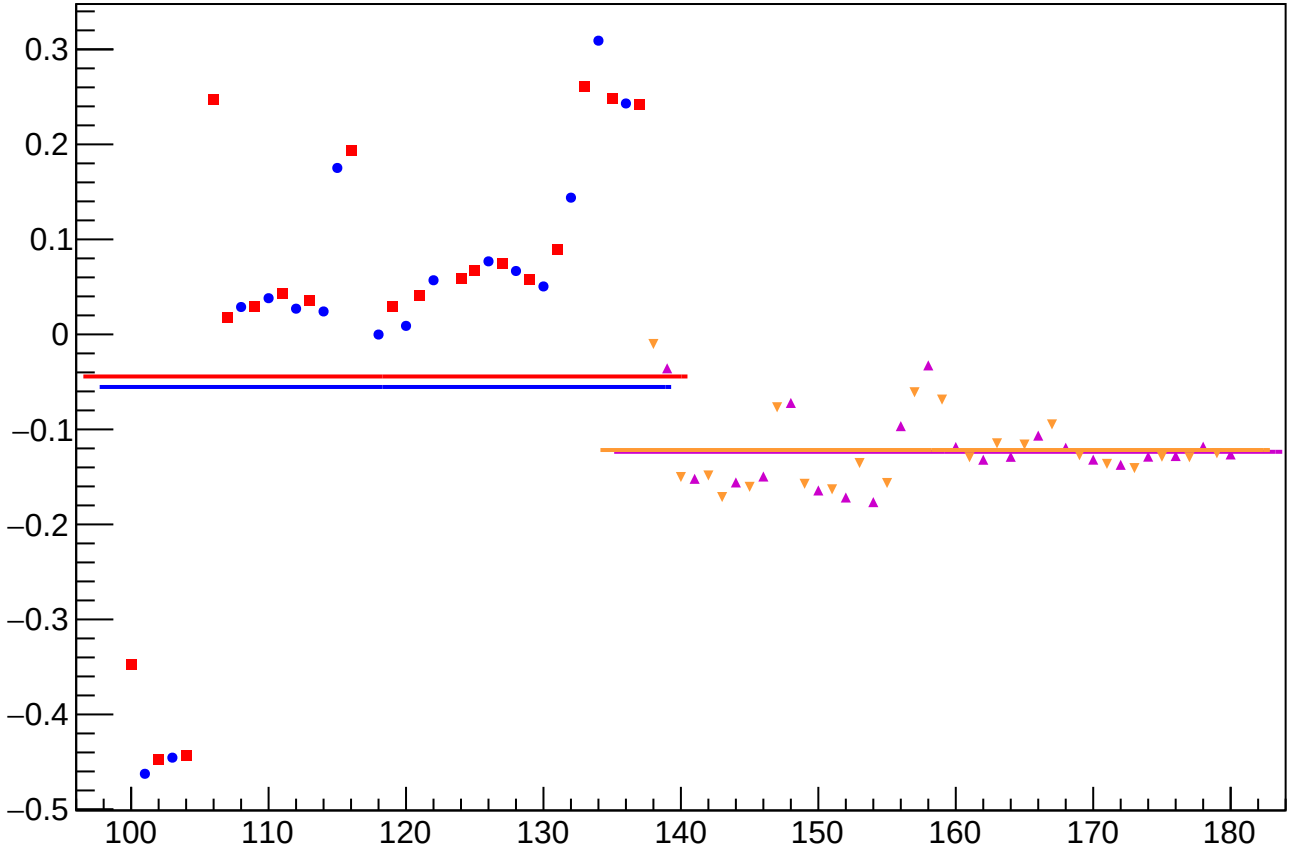
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:628858.9/36

Out: 0.011+/-0.000 χ^2/NDF:747775.8/40

All: 0.011+/-0.000 χ^2/NDF: 1378768.0/77

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2918171514.7/21

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2808425655.9/20

Left: -0.123+/-0.000 χ^2/NDF: 5730455446.4/42

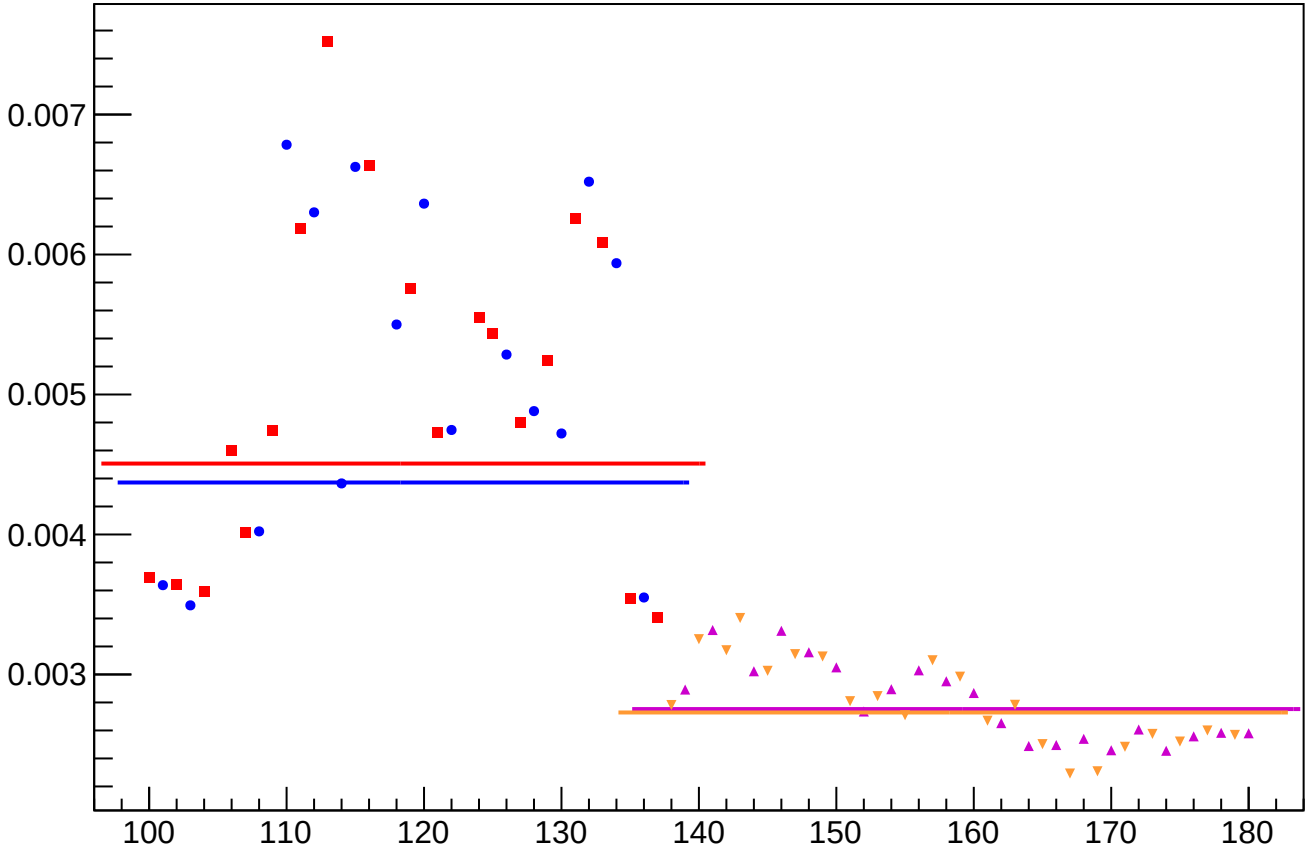
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.115+/-0.000 χ^2/NDF:28185573476.9/36

Out: -0.112+/-0.000 χ^2/NDF:26706321264.4/40

All: -0.113+/-0.000 χ^2/NDF: 54900849400.2/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:383618.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:292045.8/20

Left: 0.003+/-0.000 χ^2/NDF: 676966.8/42

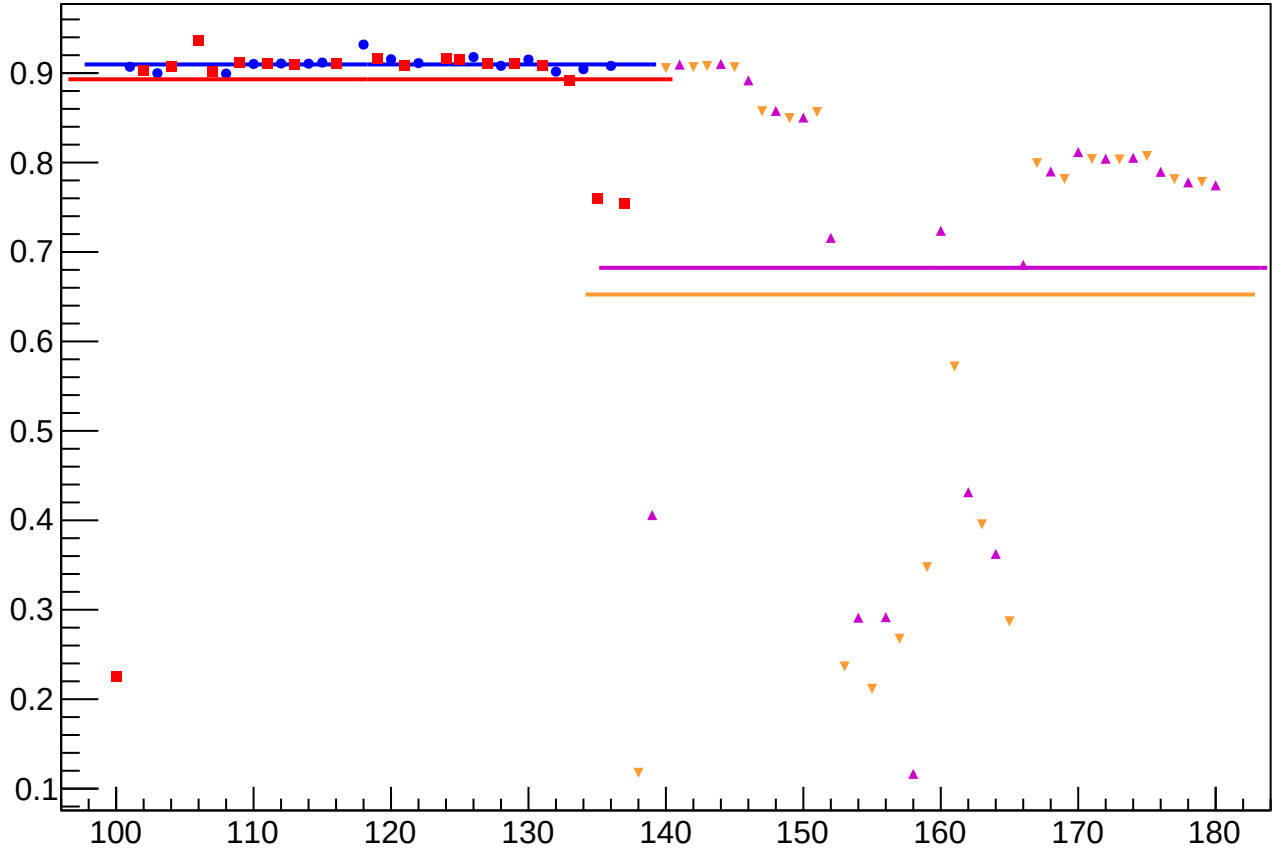
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2409970.4/36

Out: 0.003+/-0.000 χ^2/NDF:2831757.2/40

All: 0.003+/-0.000 χ^2/NDF: 5242129.7/77

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.652+/-0.000 χ^2/NDF:8997817902.8/21

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.682+/-0.000 χ^2/NDF:6933103022.5/20

Left: 0.667+/-0.000 χ^2/NDF: 15991338424.5/42

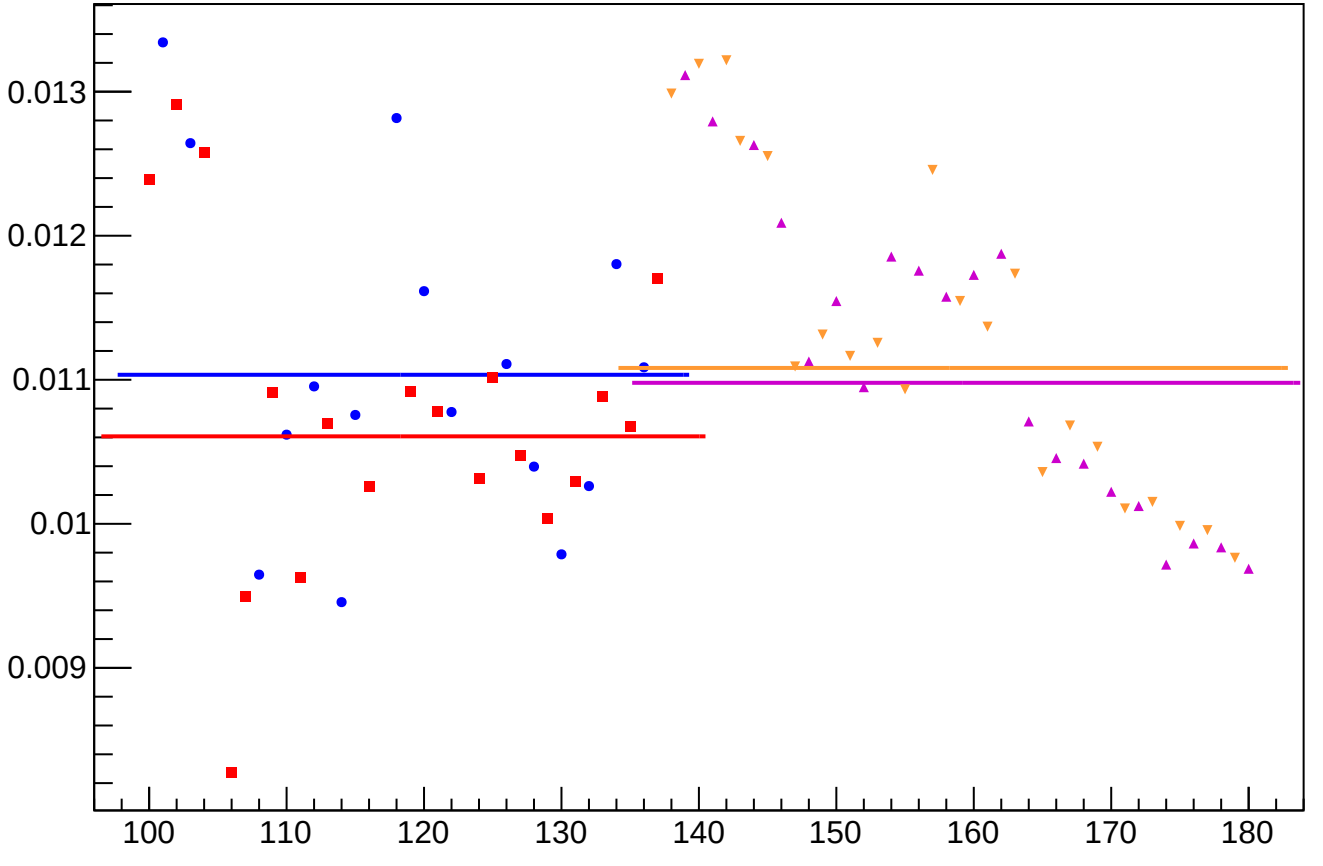
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.749+/-0.000 χ^2/NDF:8998781405.1/36

Out: 0.730+/-0.000 χ^2/NDF:11841556233.9/40

All: 0.739+/-0.000 χ^2/NDF: 20875880024.2/7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:274034.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:286613.3/20

Left: 0.011+/-0.000 χ^2/NDF: 562095.5/42

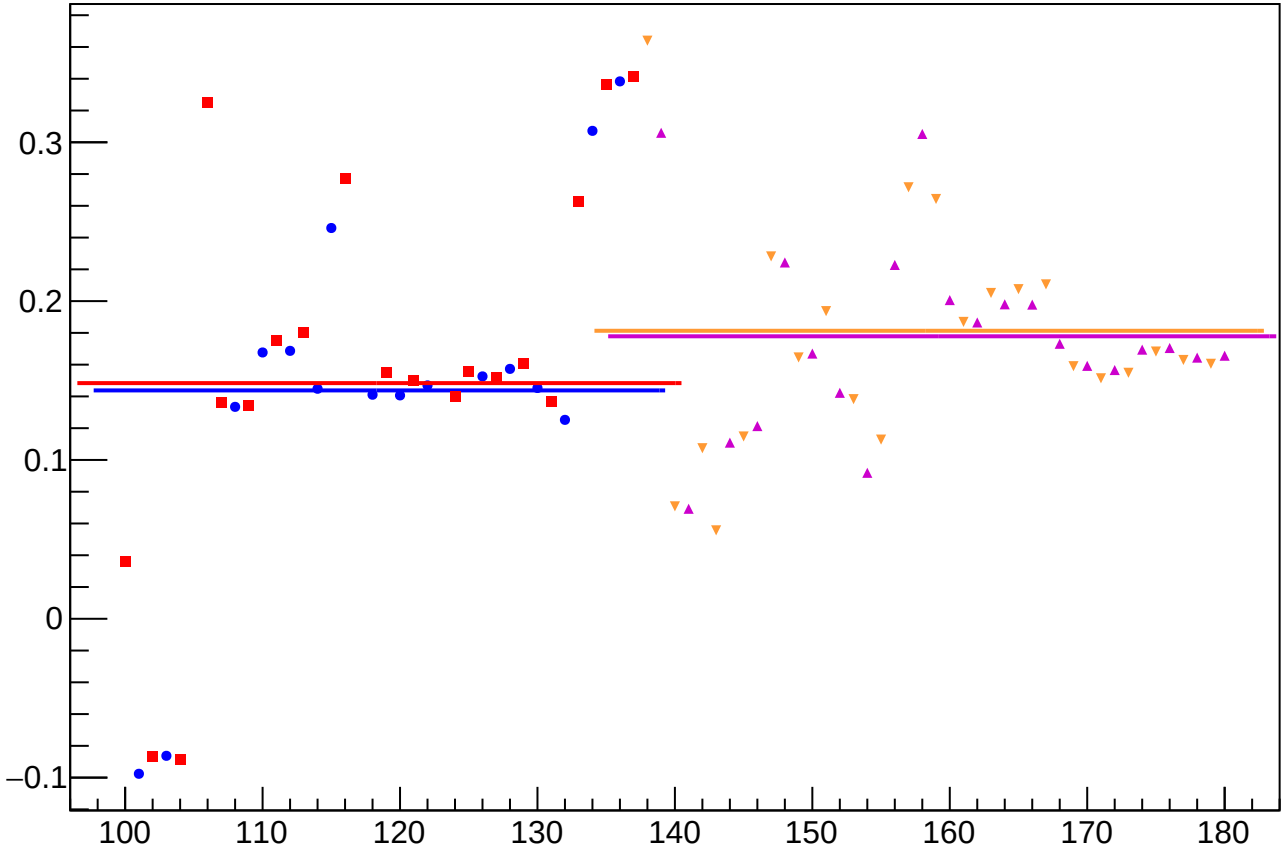
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:417214.6/36

Out: 0.011+/-0.000 χ^2/NDF:437580.4/40

All: 0.011+/-0.000 χ^2/NDF: 855638.8/77

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.181+/-0.000 χ^2/NDF:6414439677.7/21

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.178+/-0.000 χ^2/NDF:4606904262.9/20

Left: 0.180+/-0.000 χ^2/NDF: 11031902026.0/42

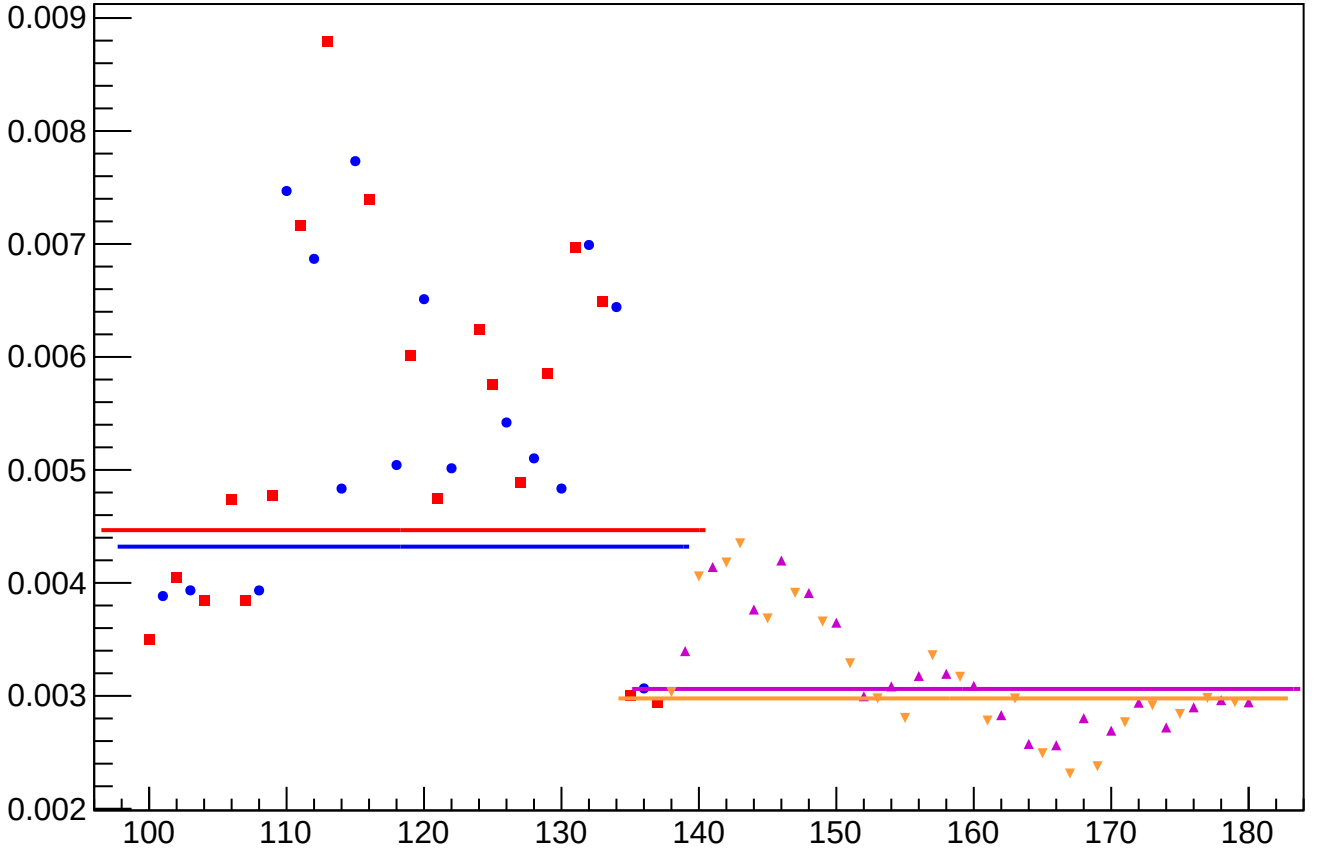
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12775432153.7/36

Out: 0.177+/-0.000 χ^2/NDF:13820219026.2/40

All: 0.175+/-0.000 χ^2/NDF: 26612444476.7/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:844041.5/21

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:578465.5/20

Left: 0.003+/-0.000 χ^2/NDF: 1434797.1/42

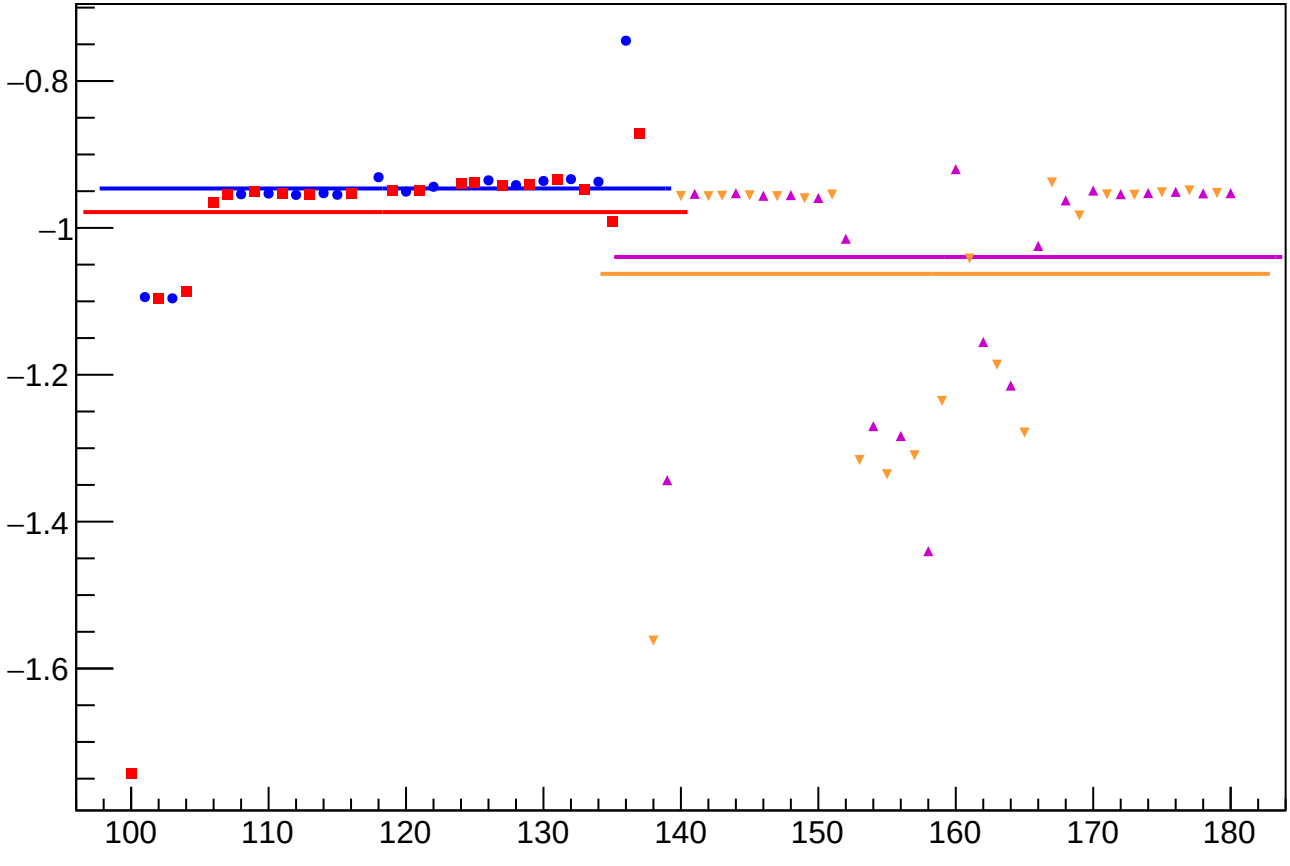
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2280004.1/36

Out: 0.003+/-0.000 χ^2/NDF:3062681.4/40

All: 0.003+/-0.000 χ^2/NDF: 5351769.0/77

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.063+/-0.000 χ^2/NDF:4863855474.5/21

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.040+/-0.000 χ^2/NDF:3852796416.9/20

Left: -1.051+/-0.000 χ^2/NDF: 8761972660.1/42

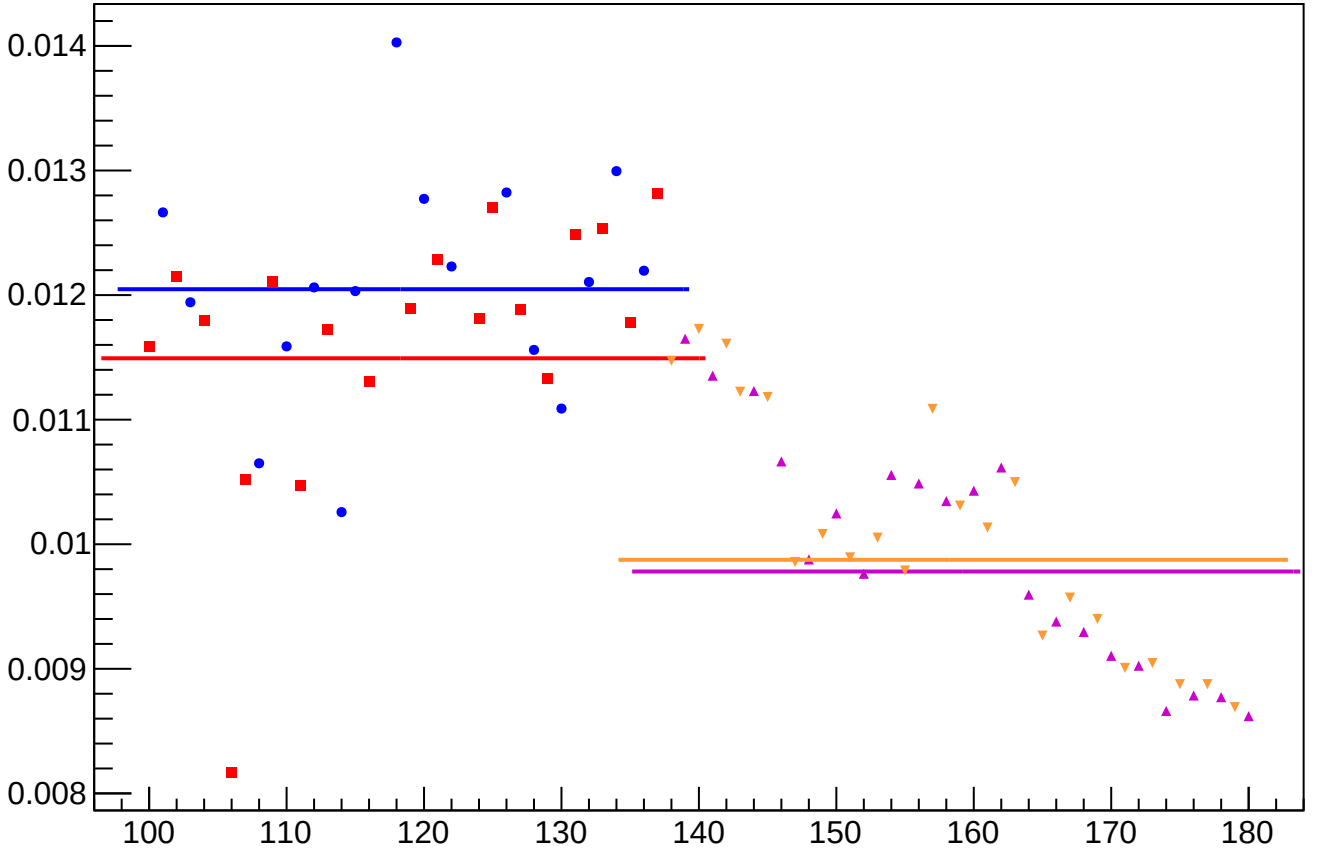
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.020+/-0.000 χ^2/NDF:4580615824.4/36

Out: -1.042+/-0.000 χ^2/NDF:5616174028.8/40

All: -1.031+/-0.000 χ^2/NDF: 10254658134.2/

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:267102.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:280787.9/20

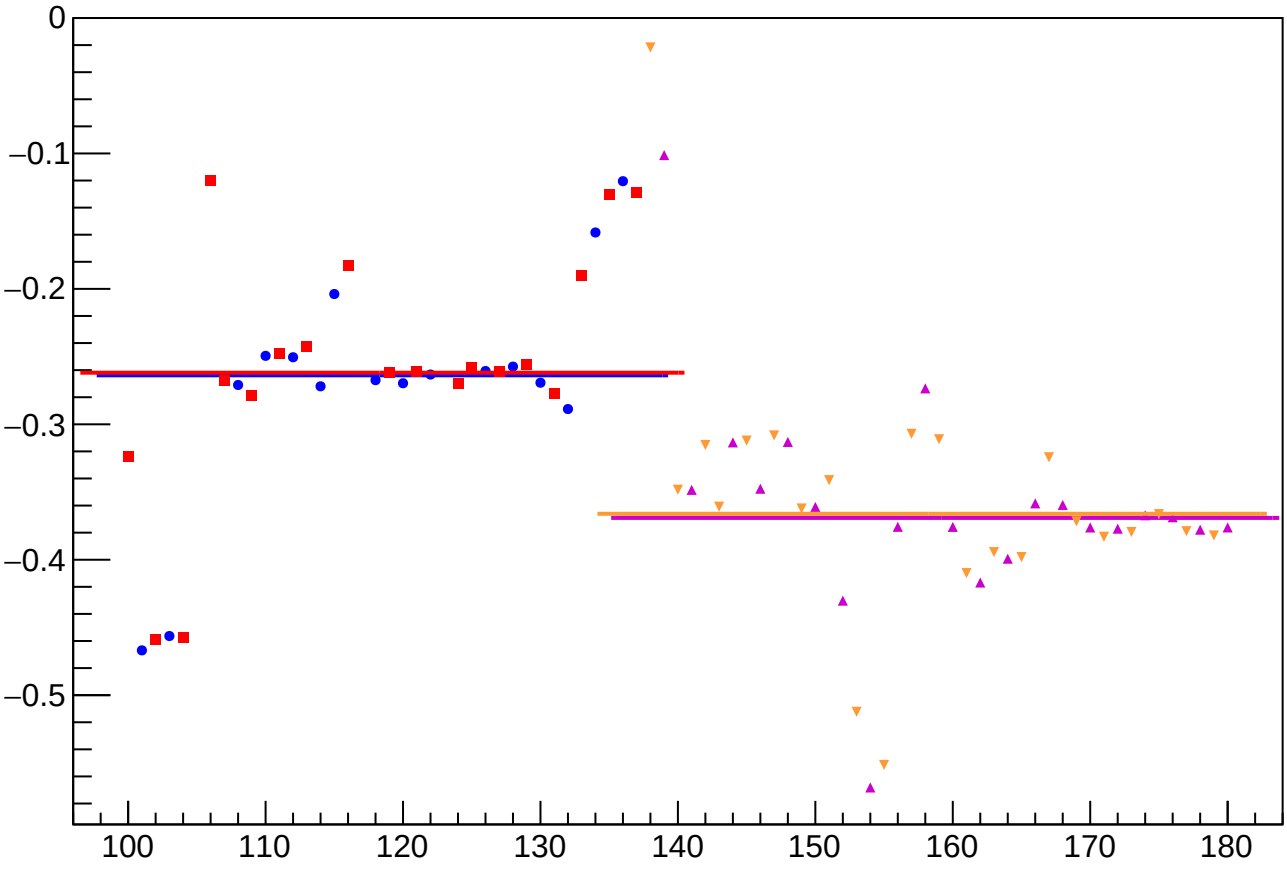
Left: 0.010+/-0.000 χ^2/NDF: 549414.6/42

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.010+/-0.000 χ^2/NDF:724860.2/36

Out: 0.010+/-0.000 χ^2/NDF:633814.5/40

All: 0.010+/-0.000 χ^2/NDF: 1358678.8/77



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.366+/-0.000 χ^2/NDF:11937706679.0/21

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.369+/-0.000 χ^2/NDF:7580064339.7/20

Left: -0.368+/-0.000 χ^2/NDF: 19524268489.9/42

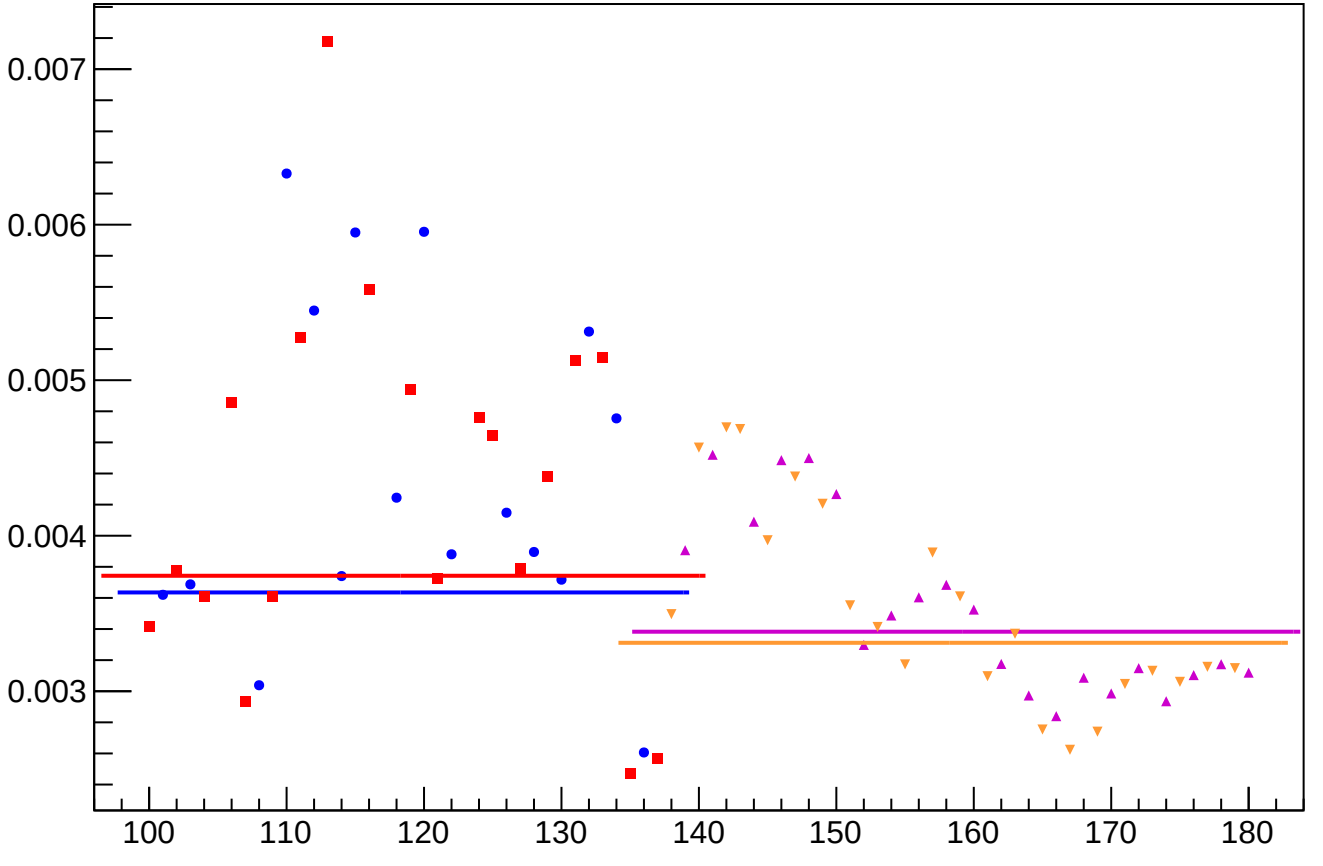
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.344+/-0.000 χ^2/NDF:17355922010.9/36

Out: -0.342+/-0.000 χ^2/NDF:20783467665.4/40

All: -0.343+/-0.000 χ^2/NDF: 38141324186.7/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:812192.2/21

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:626582.1/20

Left: 0.003+/-0.000 χ^2/NDF: 1445922.6/42

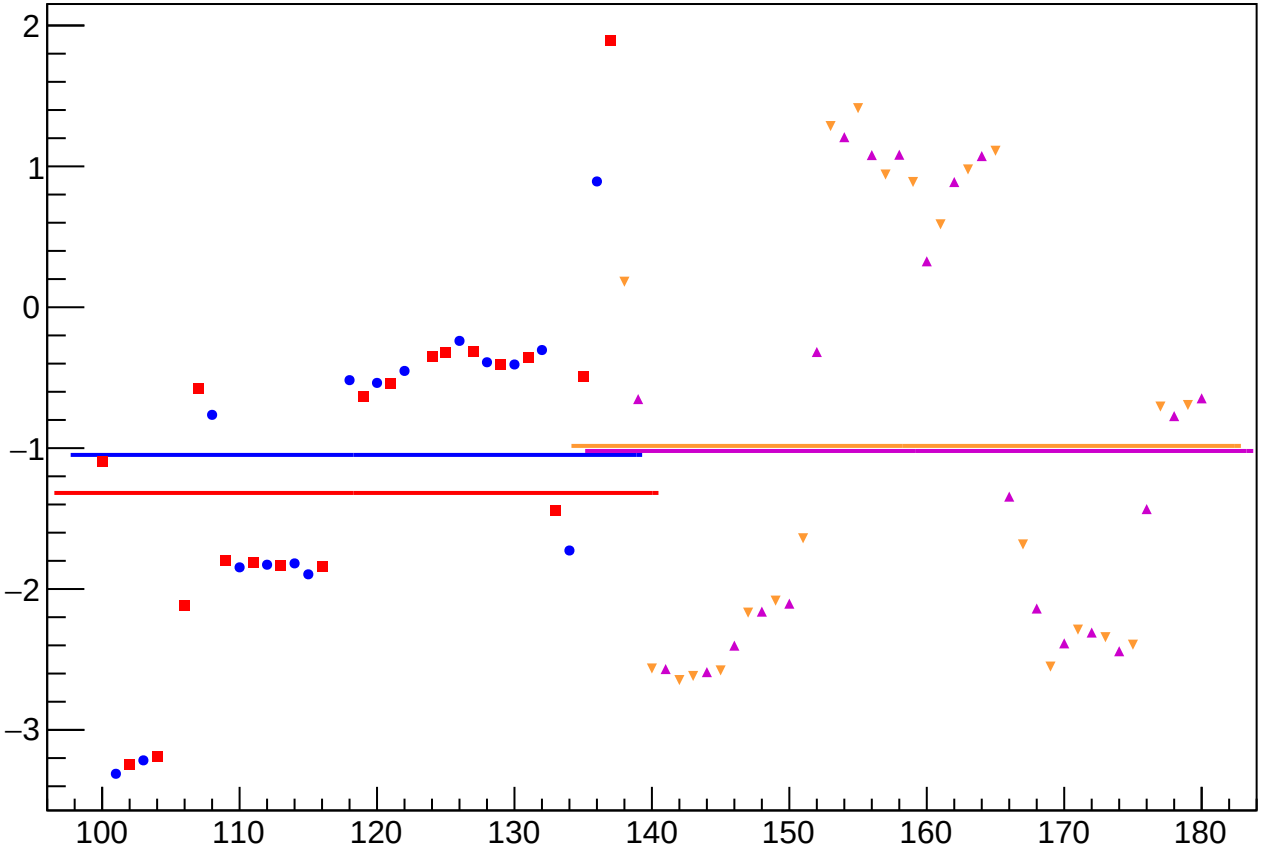
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1397374.1/36

Out: 0.003+/-0.000 χ^2/NDF:1829488.4/40

All: 0.003+/-0.000 χ^2/NDF: 3228936.1/77

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.984+/-0.000 χ^2/NDF:7169899272.1/21

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.020+/-0.000 χ^2/NDF:5865062681.3/20

Left: -1.002+/-0.000 χ^2/NDF: 13036998876.7/42

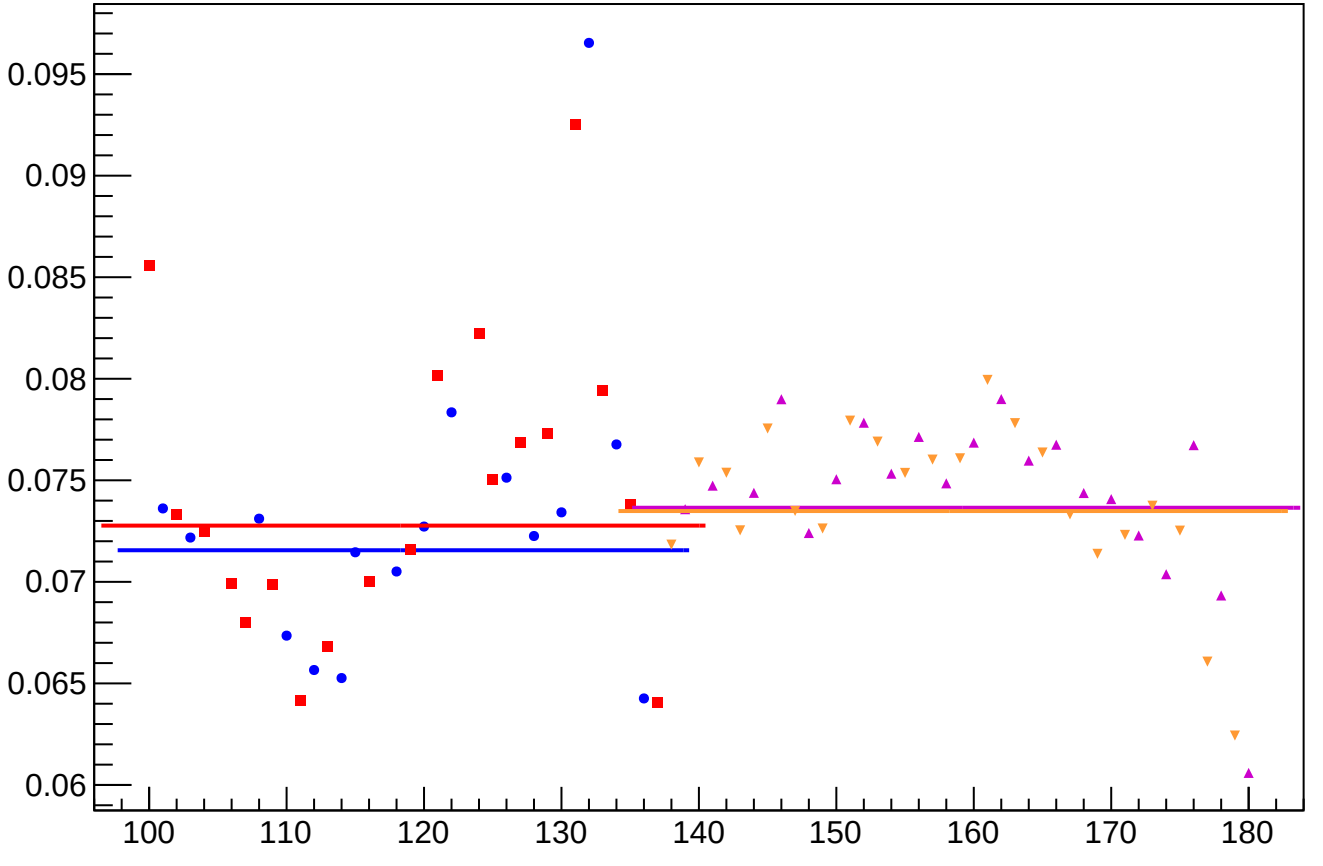
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.029+/-0.000 χ^2/NDF:8212826489.2/36

Out: -1.085+/-0.000 χ^2/NDF:9124741546.3/40

All: -1.057+/-0.000 χ^2/NDF: 17344671698.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.073+/-0.000 χ^2/NDF:111785.8/21

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:128860.8/20

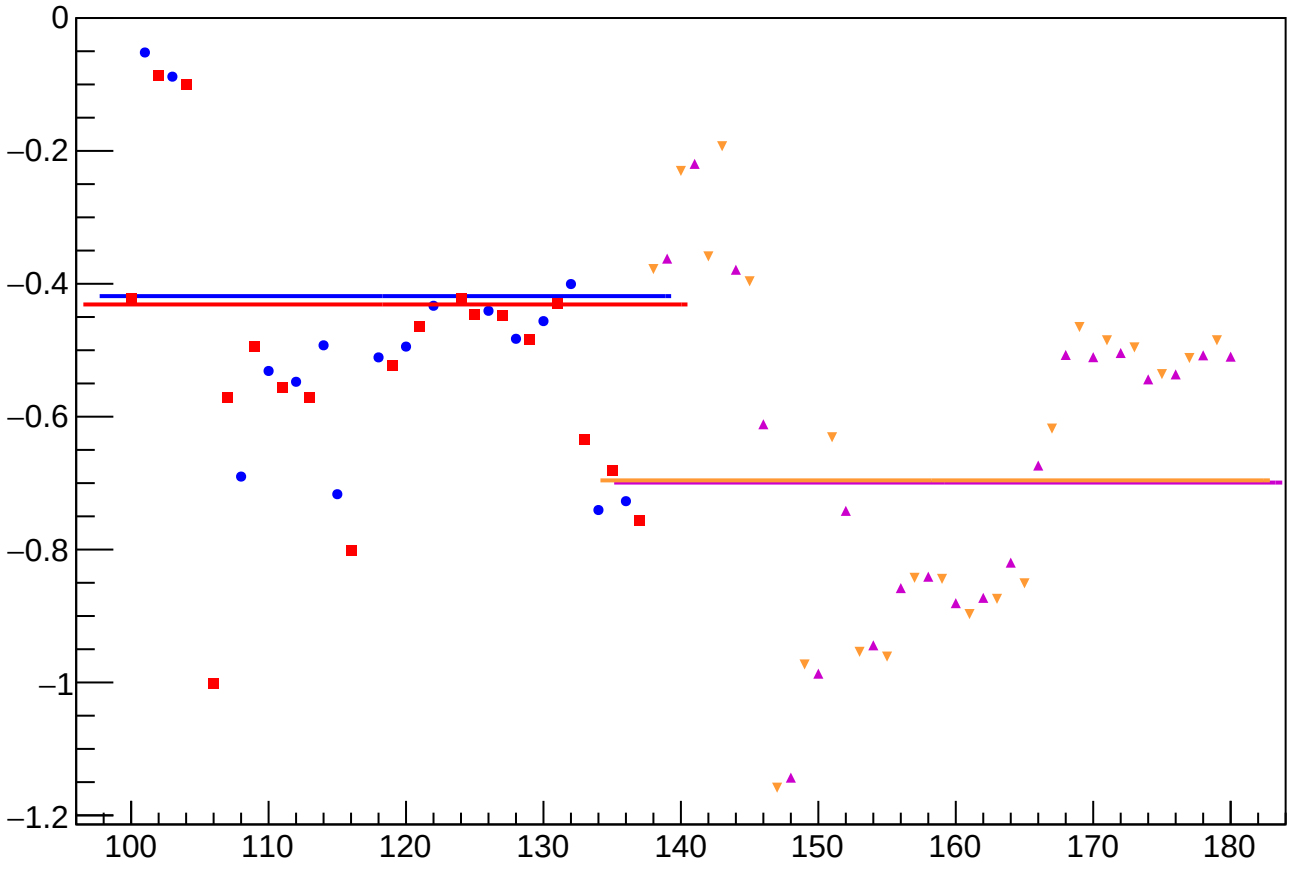
Left: 0.074+/-0.000 χ^2/NDF: 240728.7/42

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:238425.7/36

Out: 0.073+/-0.000 χ^2/NDF:209646.5/40

All: 0.073+/-0.000 χ^2/NDF: 448380.4/77



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.696+/-0.000 χ^2/NDF:20776468124.4/21

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.699+/-0.000 χ^2/NDF:16236447435.0/20

Left: -0.697+/-0.000 χ^2/NDF: 37014908890.0/42

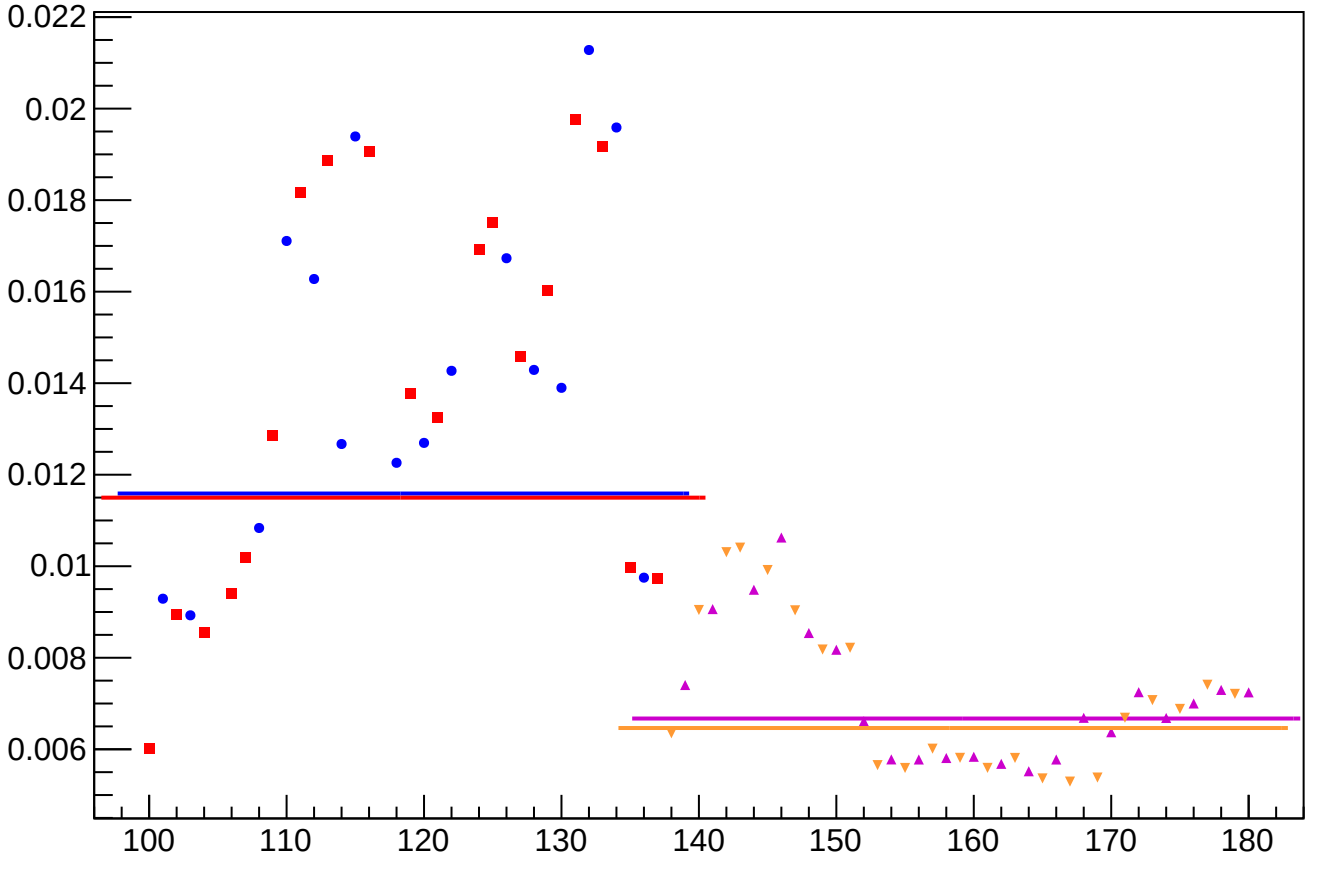
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.668+/-0.000 χ^2/NDF:22414545388.0/36

Out: -0.668+/-0.000 χ^2/NDF:26818485201.0/40

All: -0.668+/-0.000 χ^2/NDF: 49233047804.8/

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:1286269.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:917964.5/20

Left: 0.007+/-0.000 χ^2/NDF: 2220006.8/42

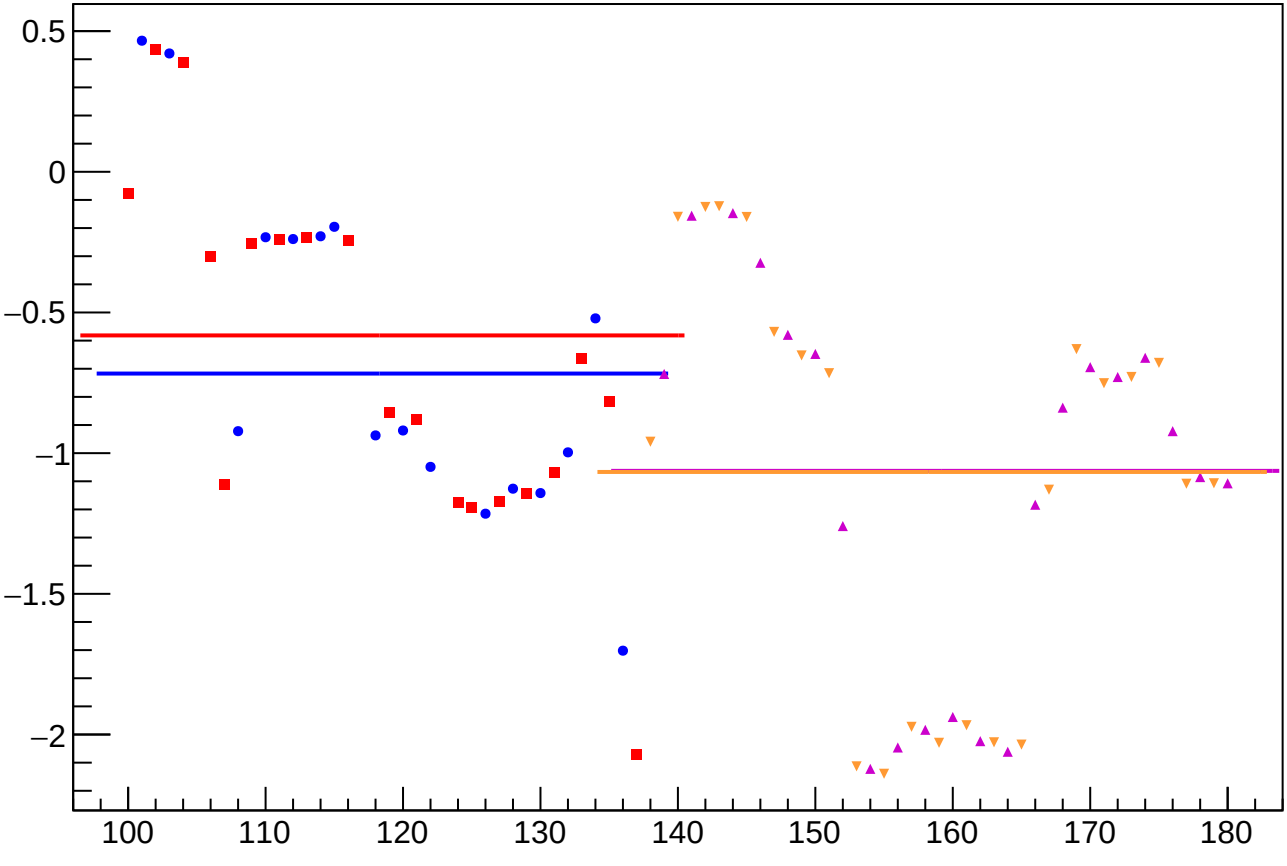
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3611078.0/36

Out: 0.007+/-0.000 χ^2/NDF:4507877.5/40

All: 0.007+/-0.000 χ^2/NDF: 8138509.4/77

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.067+/-0.000 χ^2/NDF:1148253290.0/21

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.063+/-0.000 χ^2/NDF:973415846.0/20

Left: -1.065+/-0.000 χ^2/NDF: 2121686822.3/42

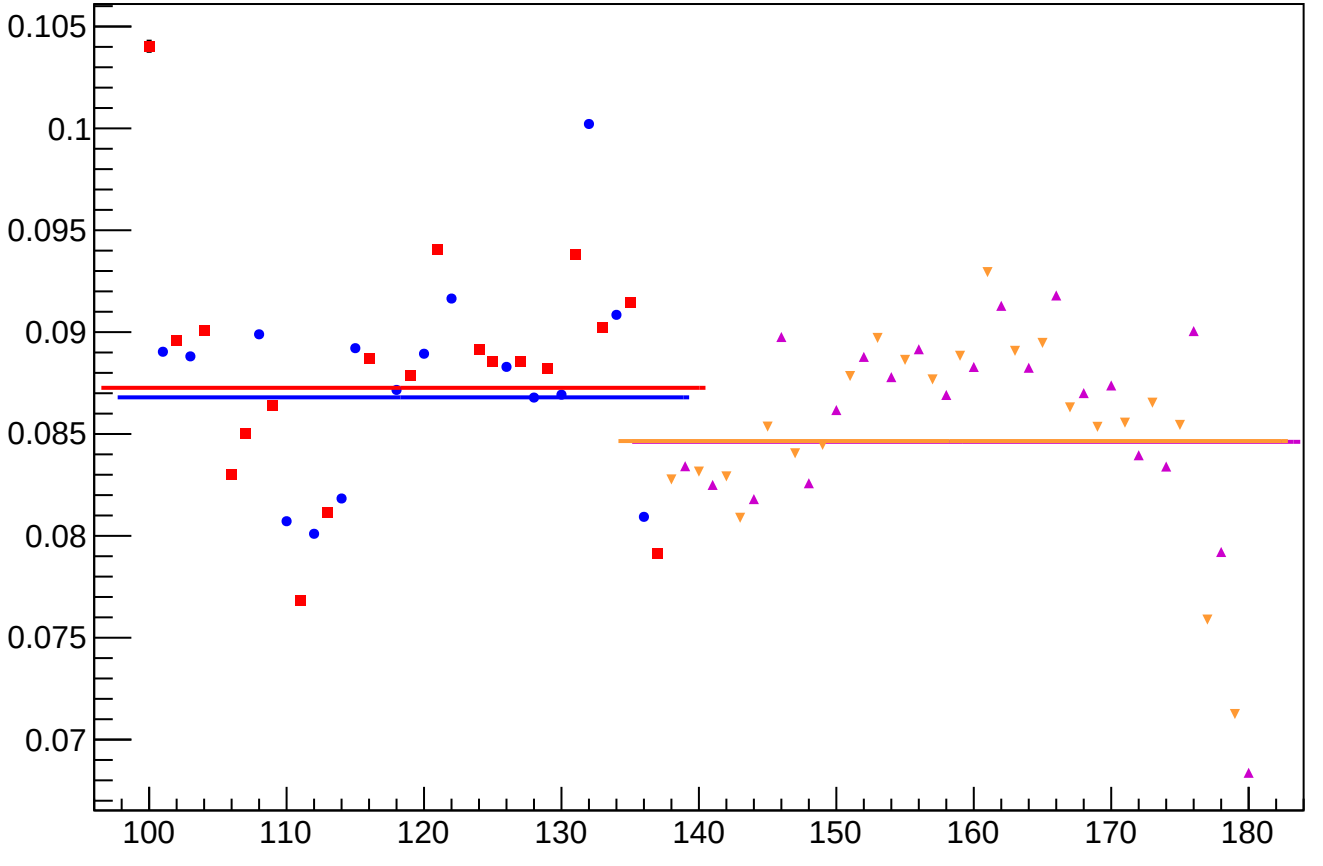
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.964+/-0.000 χ^2/NDF:1492205369.8/36

Out: -0.927+/-0.000 χ^2/NDF:1654243339.2/40

All: -0.946+/-0.000 χ^2/NDF: 3148756925.4/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:122988.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.085+/-0.000 χ^2/NDF:161091.8/20

Left: 0.085+/-0.000 χ^2/NDF: 284083.8/42

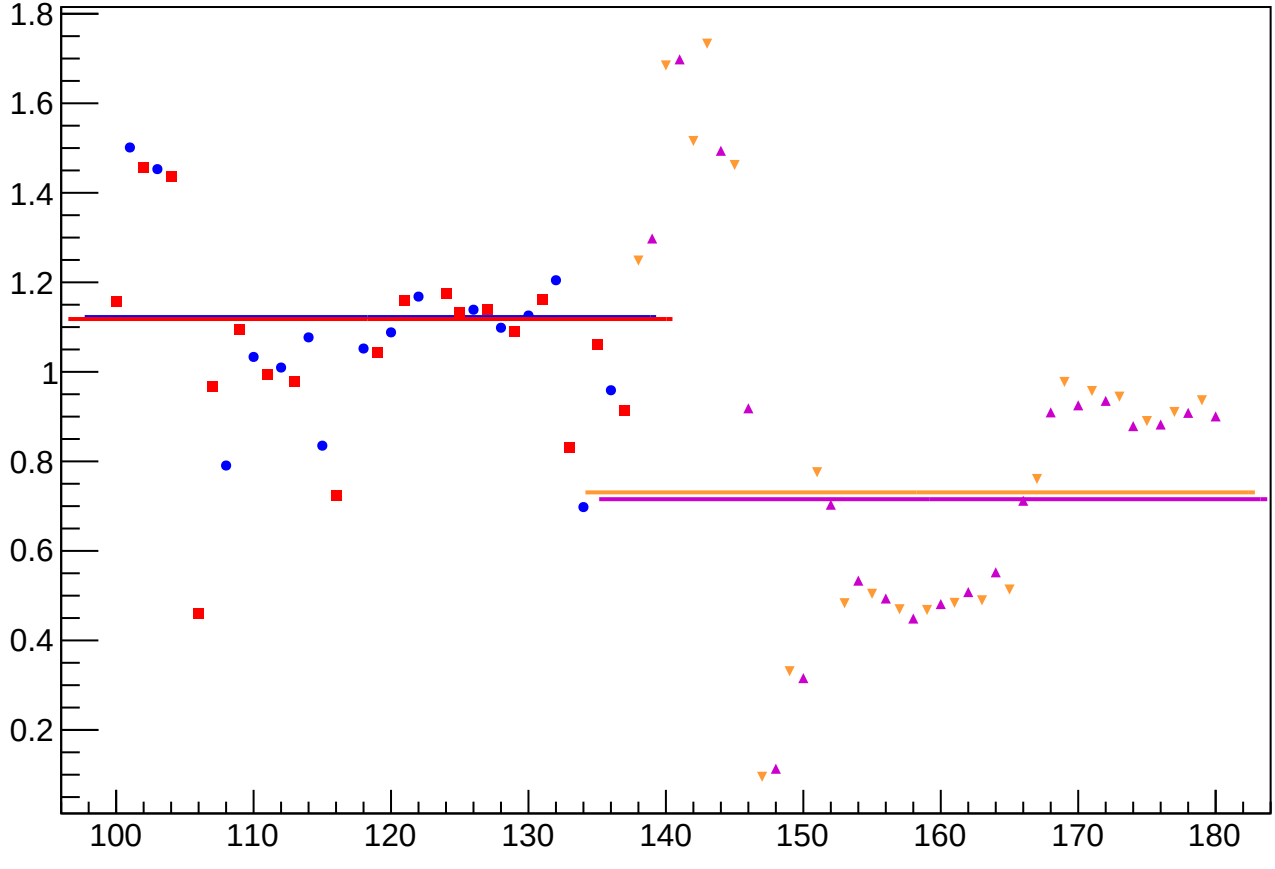
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.085+/-0.000 χ^2/NDF:211152.2/36

Out: 0.085+/-0.000 χ^2/NDF:178660.6/40

All: 0.085+/-0.000 χ^2/NDF: 389905.8/77

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.731+/-0.000 χ^2/NDF:31990585208.7/21

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.716+/-0.000 χ^2/NDF:25229631903.5/20

Left: 0.723+/-0.000 χ^2/NDF: 57248571528.9/42

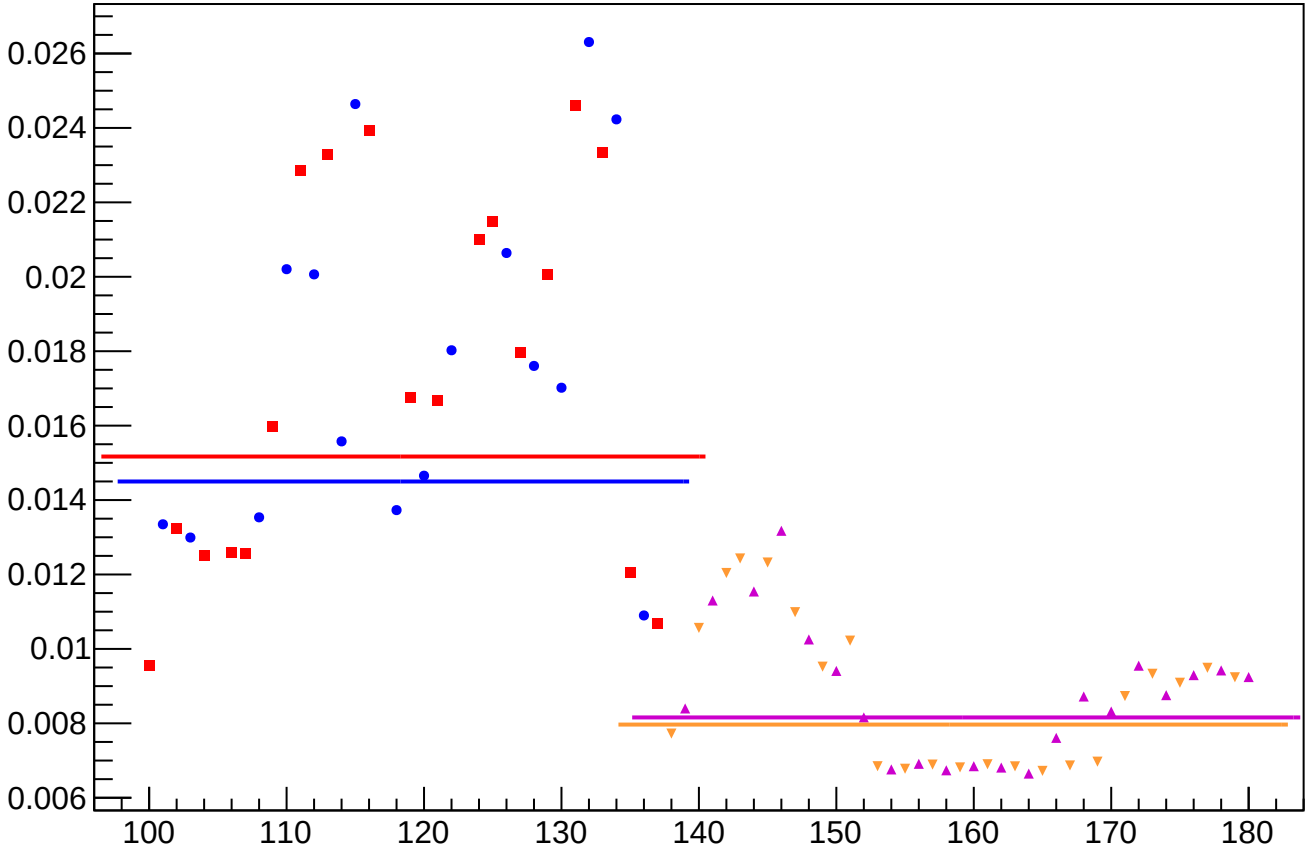
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.759+/-0.000 χ^2/NDF:30882758034.2/36

Out: 0.768+/-0.000 χ^2/NDF:37178295762.2/40

All: 0.763+/-0.000 χ^2/NDF: 68071212370.1/7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1298114.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1086449.9/20

Left: 0.008+/-0.000 χ^2/NDF: 2393558.1/42

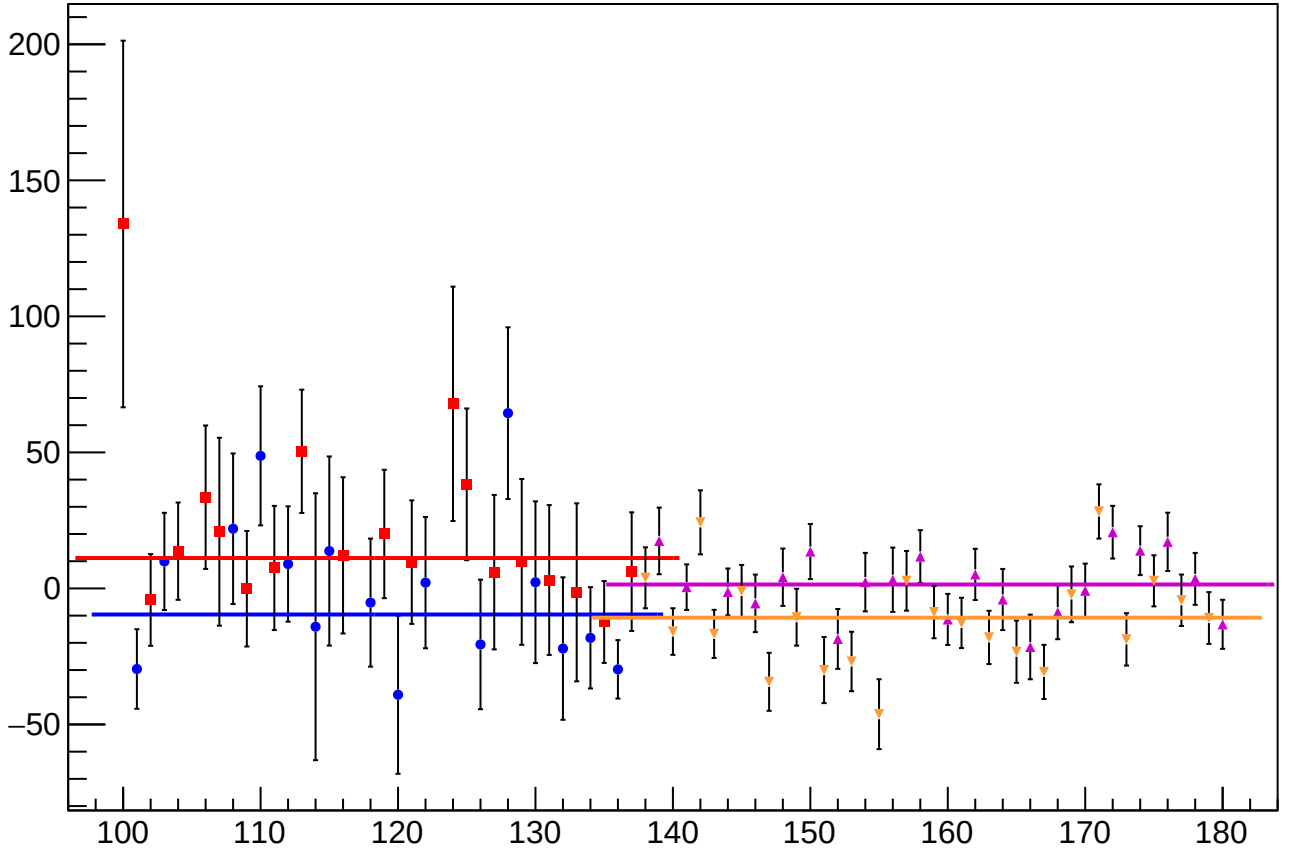
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3836322.6/36

Out: 0.009+/-0.000 χ^2/NDF:4665083.2/40

All: 0.009+/-0.000 χ^2/NDF: 8510530.0/77

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.763+/-2.159 χ^2/NDF:56.2/21

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.445+/-2.183 χ^2/NDF:26.0/20

Left: -4.727+/-1.535 χ^2/NDF: 98.1/42

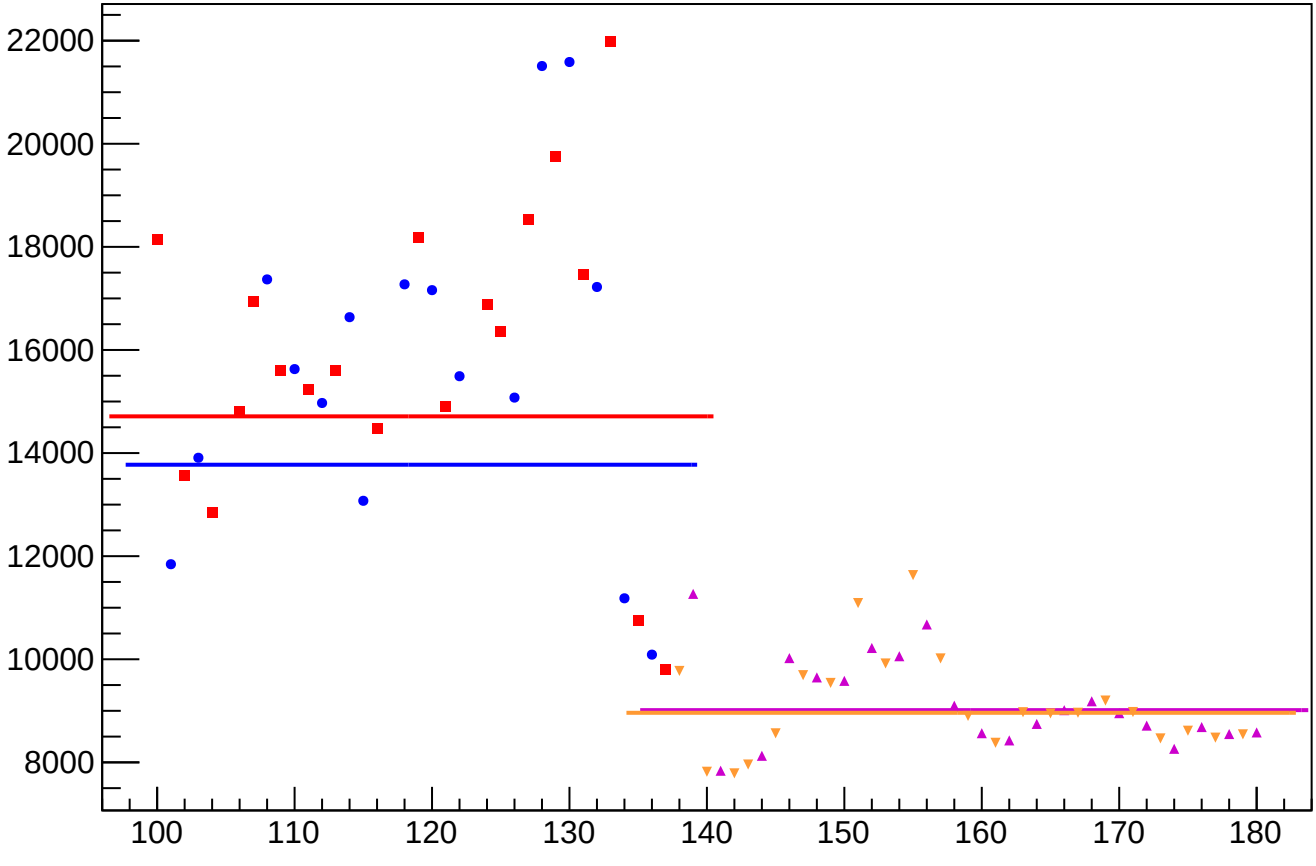
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.159+/-2.018 χ^2/NDF:51.7/36

Out: -7.831+/-2.009 χ^2/NDF:83.9/40

All: -4.011+/-1.424 χ^2/NDF: 142.8/77

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8961.717+/-1.527 χ^2/NDF:318734.4/21

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9013.290+/-1.544 χ^2/NDF:284001.0/20

Left: 8987.217+/-1.085 χ^2/NDF: 603299.8/42

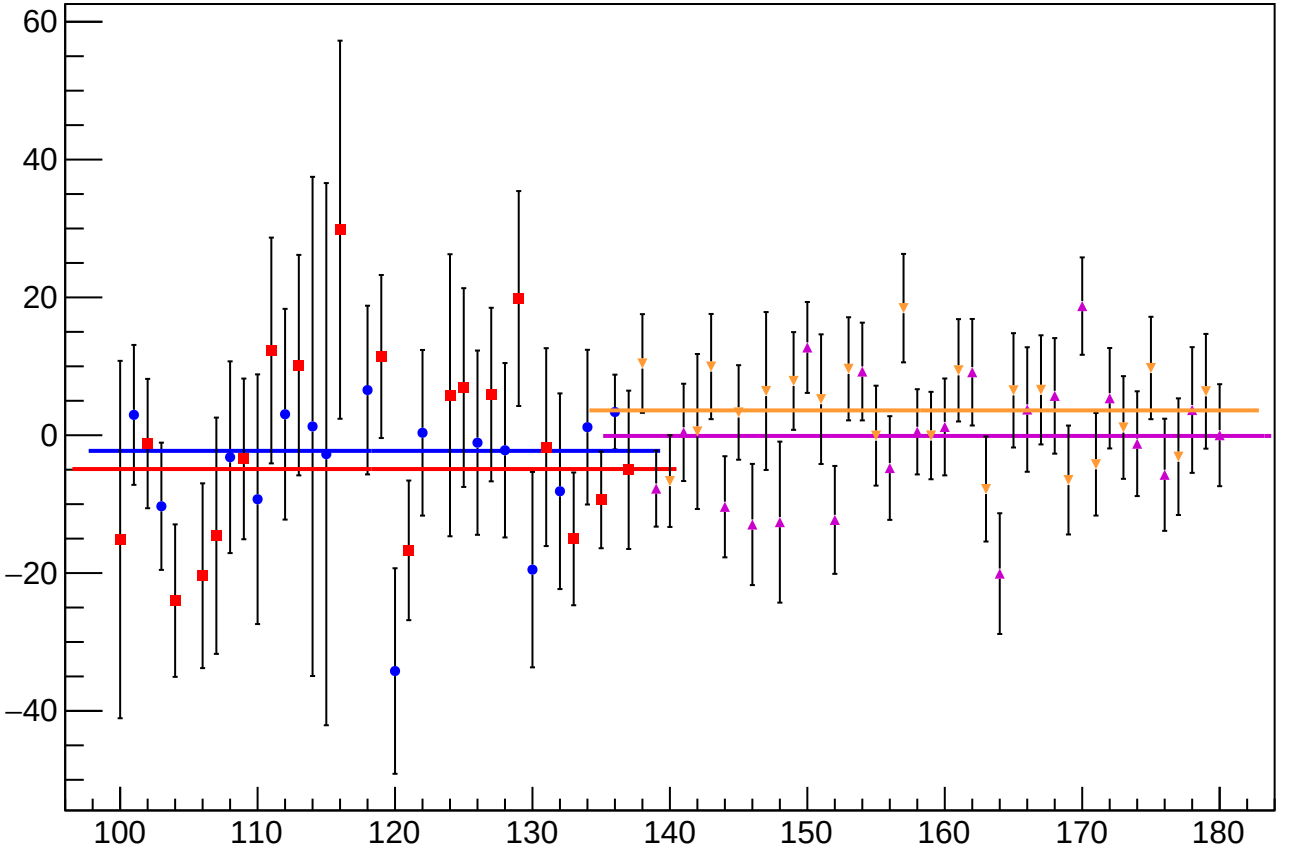
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9705.849+/-1.427 χ^2/NDF:2415320.2/36

Out: 9730.096+/-1.421 χ^2/NDF:2772176.4/40

All: 9718.024+/-1.007 χ^2/NDF: 5187641.6/77

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.607+/-1.645 χ^2/NDF:16.7/21

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.101+/-1.638 χ^2/NDF:31.2/20

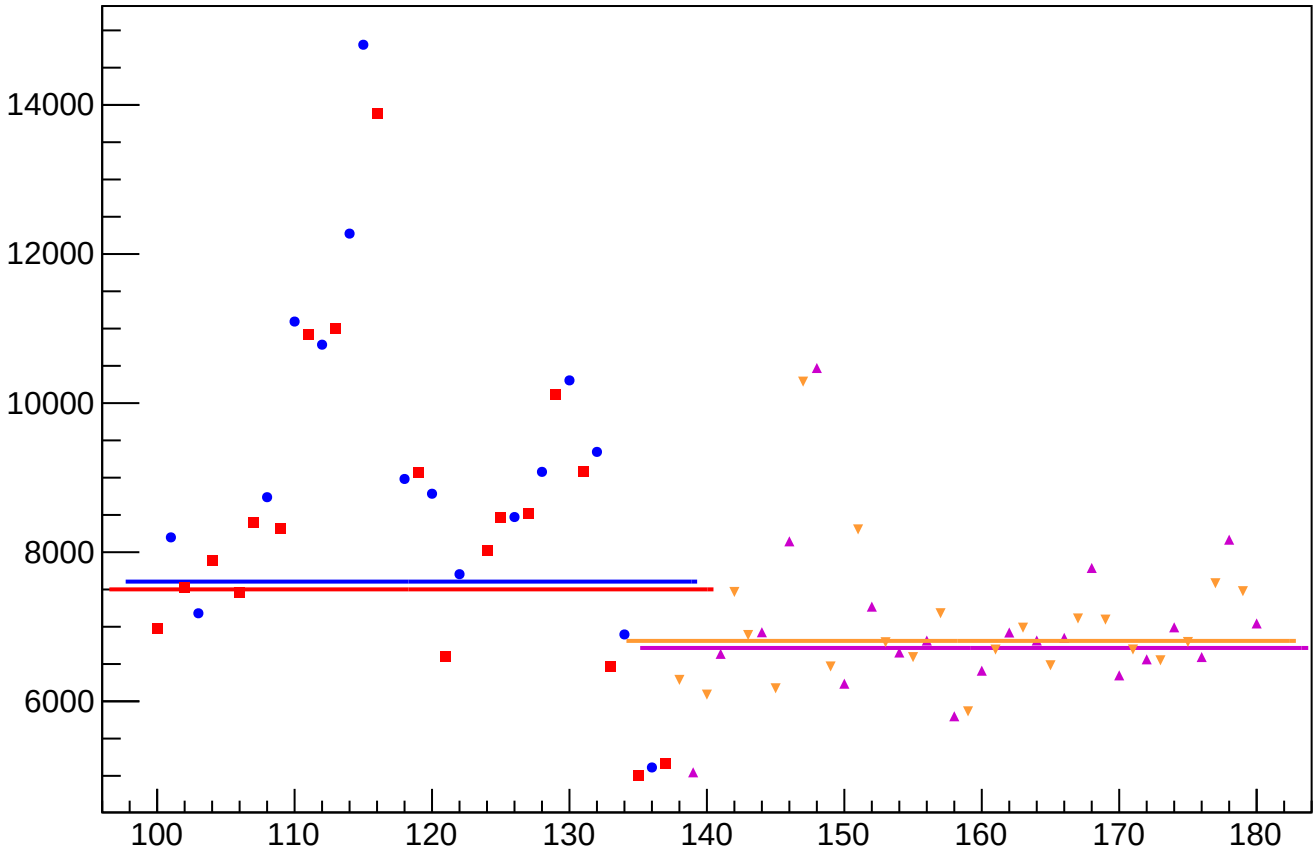
Left: 1.745+/-1.161 χ^2/NDF: 50.4/42

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.619+/-1.429 χ^2/NDF:40.9/36

Out: 1.464+/-1.423 χ^2/NDF:41.0/40

All: 0.427+/-1.008 χ^2/NDF: 83.0/77



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6810.384+/-1.163 χ^2/NDF:391129.2/21

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6715.563+/-1.158 χ^2/NDF:611870.8/20

Left: 6762.769+/-0.821 χ^2/NDF: 1006336.9/42

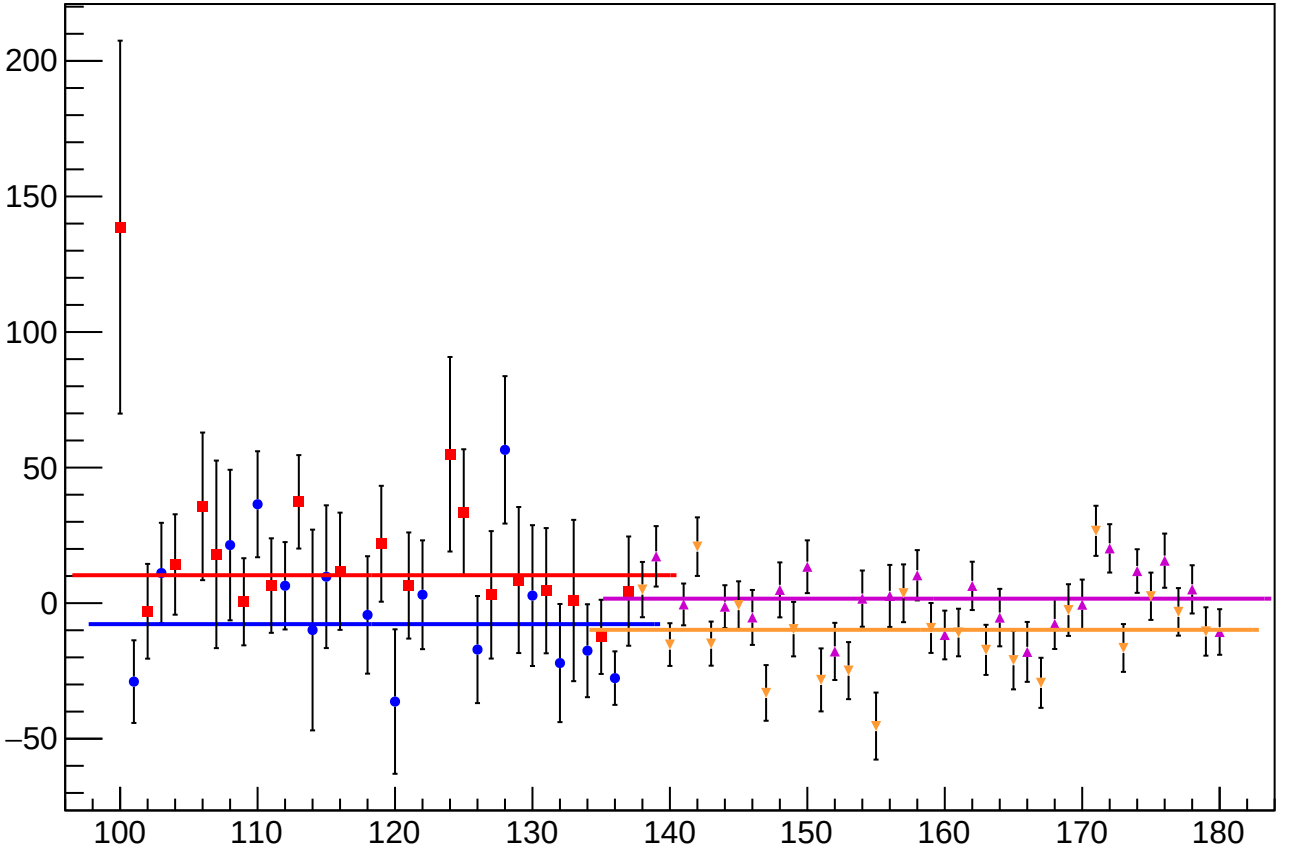
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6928.379+/-1.010 χ^2/NDF:1644589.3/36

Out: 6984.381+/-1.006 χ^2/NDF:1303568.4/40

All: 6956.494+/-0.713 χ^2/NDF: 2949700.3/77

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.836+/-2.021 χ^2/NDF:57.3/21

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.654+/-2.046 χ^2/NDF:25.8/20

Left: -4.161+/-1.438 χ^2/NDF: 99.1/42

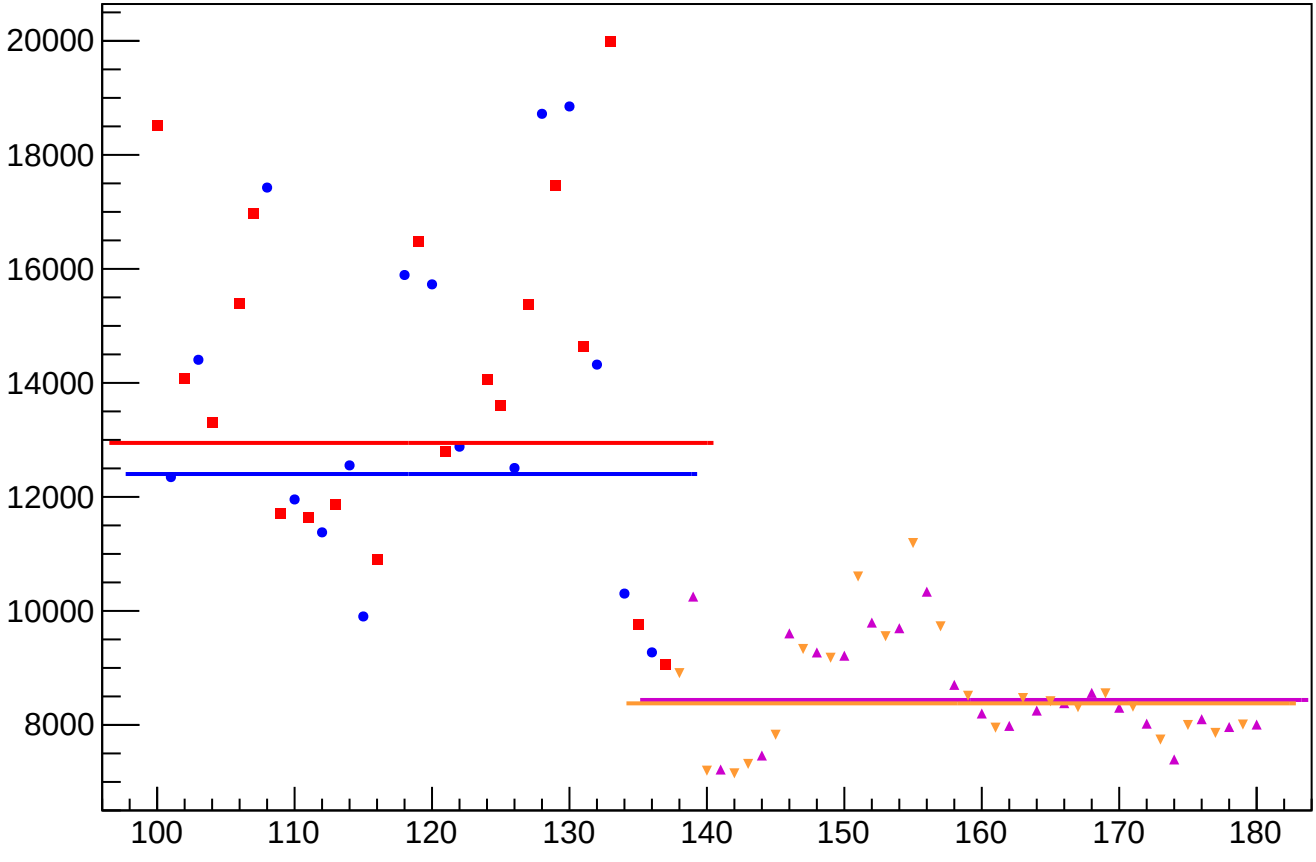
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.183+/-1.879 χ^2/NDF:51.8/36

Out: -6.845+/-1.865 χ^2/NDF:85.9/40

All: -3.357+/-1.324 χ^2/NDF: 144.8/77

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8378.452+/-1.429 χ^2/NDF:413137.0/21

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8437.913+/-1.447 χ^2/NDF:365026.8/20

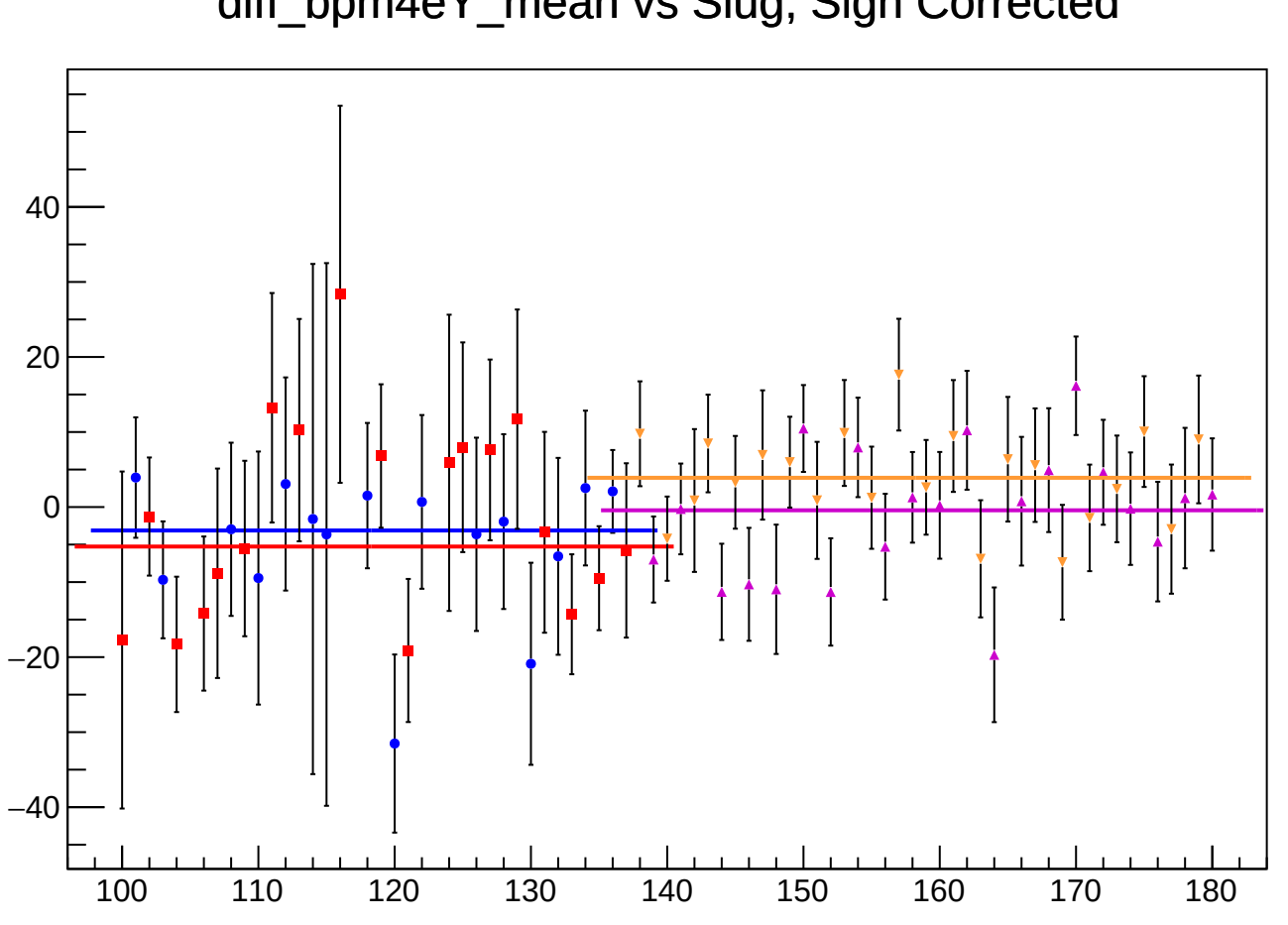
Left: 8407.821+/-1.017 χ^2/NDF: 779018.7/42

Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

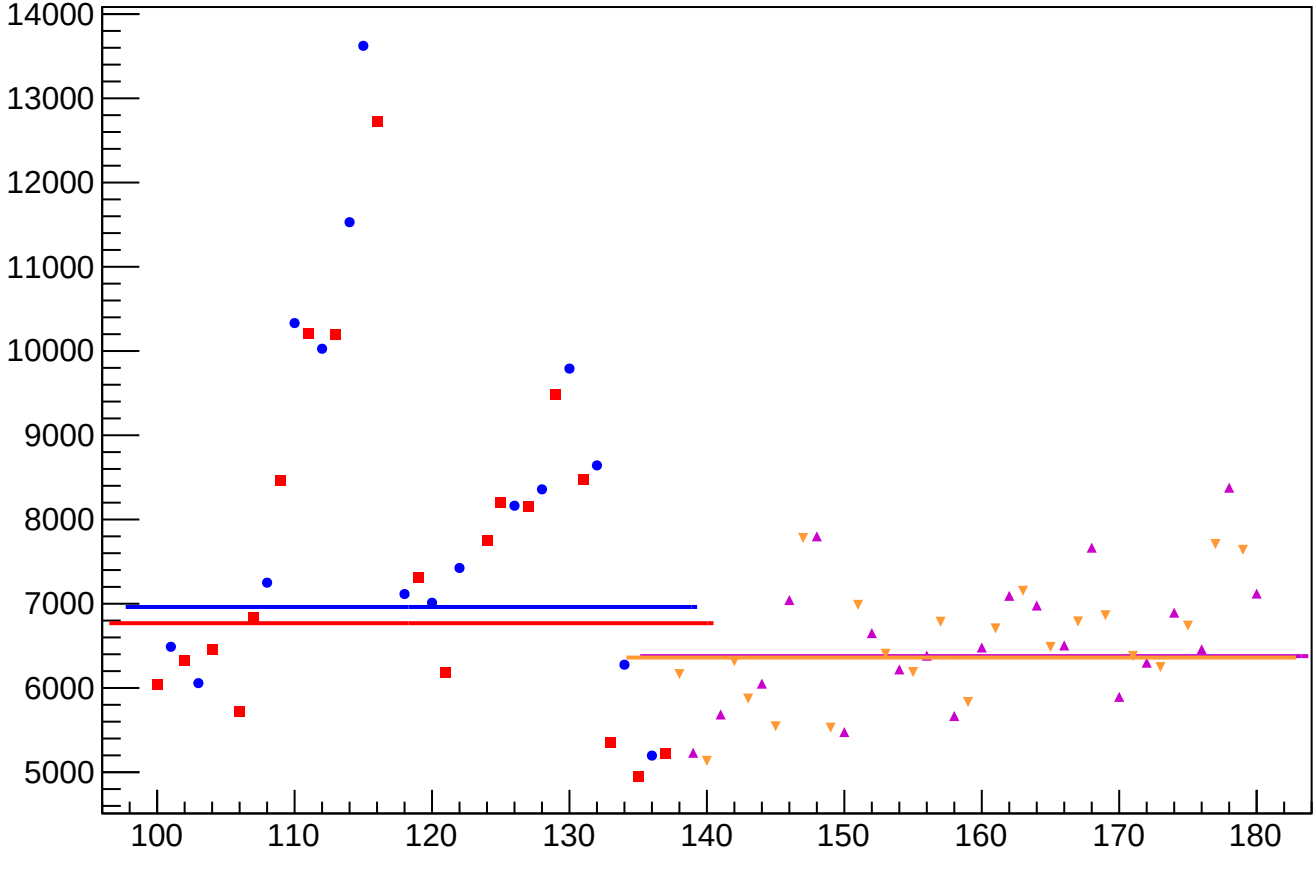
In: 9058.653+/-1.329 χ^2/NDF:2218906.7/36

Out: 9057.024+/-1.319 χ^2/NDF:2485974.6/40

All: 9057.833+/-0.936 χ^2/NDF: 4704882.1/77


diff_bpm4eY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -3.123+/-2.656 χ²/NDF: 10.9/15
Left Out: 3.900+/-1.536 χ²/NDF:15.2/21
Right Out: -5.265+/-2.553 χ²/NDF: 16.9/18
Left In: -0.431+/-1.551 χ²/NDF:29.6/20
Left: 1.756+/-1.091 χ²/NDF: 48.7/42
Right: -4.236+/-1.840 χ²/NDF: 28.1/34
In: -1.116+/-1.339 χ²/NDF:41.2/36
Out: 1.465+/-1.316 χ²/NDF:41.6/40
All: 0.197+/-0.939 χ²/NDF: 84.7/77

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6361.121+/-1.086 χ^2/NDF:410498.7/21

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6378.059+/-1.097 χ^2/NDF:468445.0/20

Left: 6369.508+/-0.772 χ^2/NDF: 879064.1/42

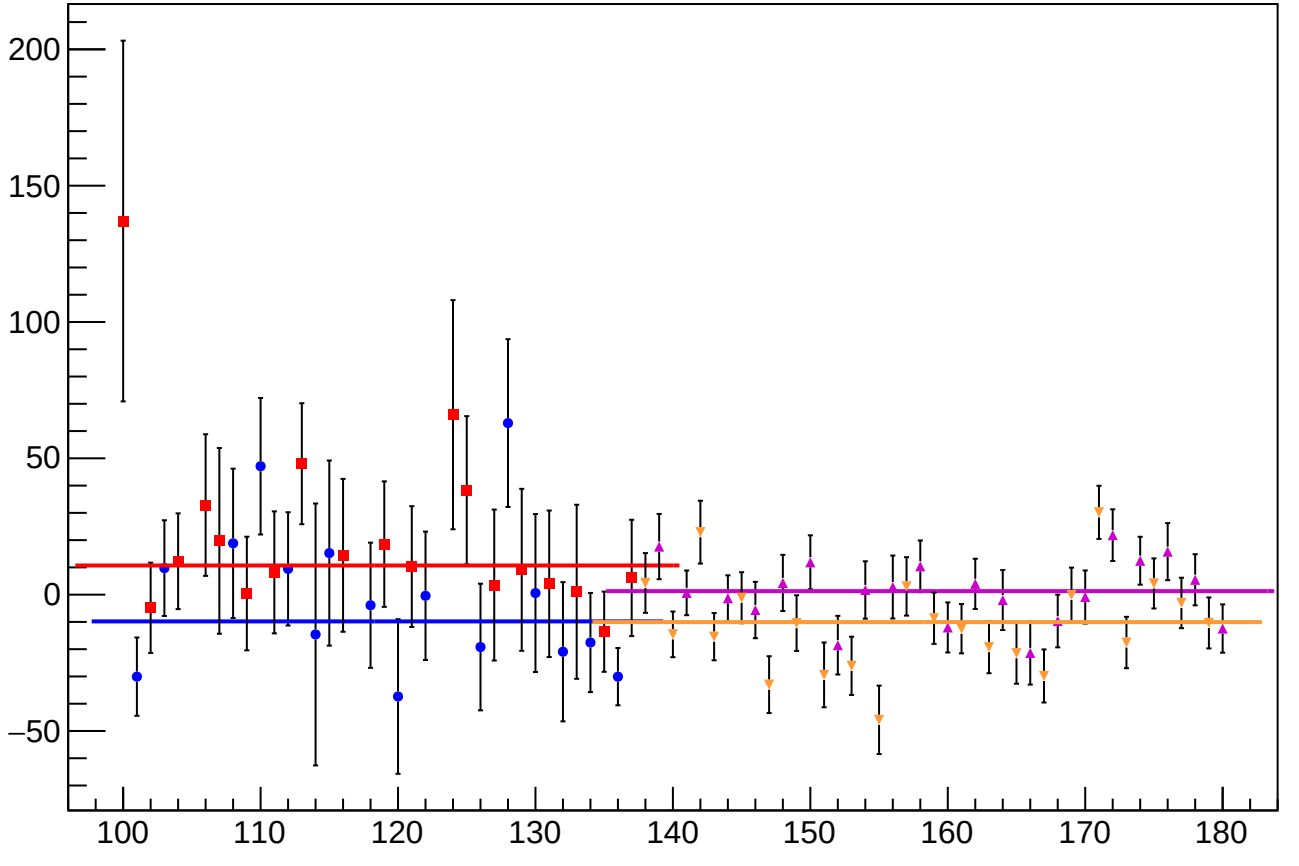
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6526.476+/-0.947 χ^2/NDF:1236862.9/36

Out: 6469.519+/-0.931 χ^2/NDF:1246083.2/40

All: 6497.501+/-0.664 χ^2/NDF: 2484786.1/77

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.062+/-2.112 χ^2/NDF:58.7/21

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.295+/-2.136 χ^2/NDF:26.2/20

Left: -4.448+/-1.501 χ^2/NDF: 99.3/42

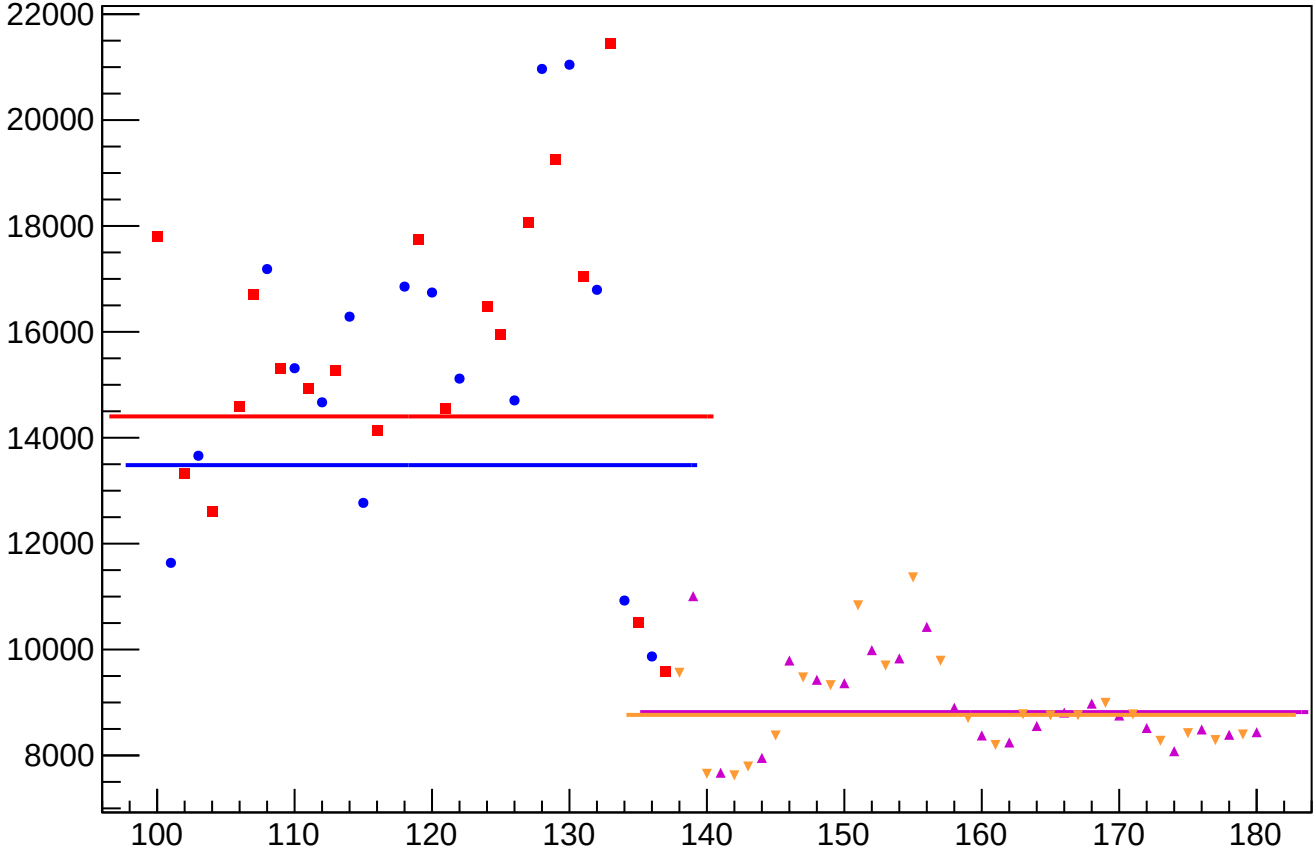
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.319+/-1.974 χ^2/NDF:52.2/36

Out: -7.291+/-1.966 χ^2/NDF:85.9/40

All: -3.820+/-1.393 χ^2/NDF: 144.4/77

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8766.096+/-1.493 χ^2/NDF:315061.5/21

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8818.318+/-1.510 χ^2/NDF:279467.4/20

Left: 8791.911+/-1.062 χ^2/NDF: 595133.6/42

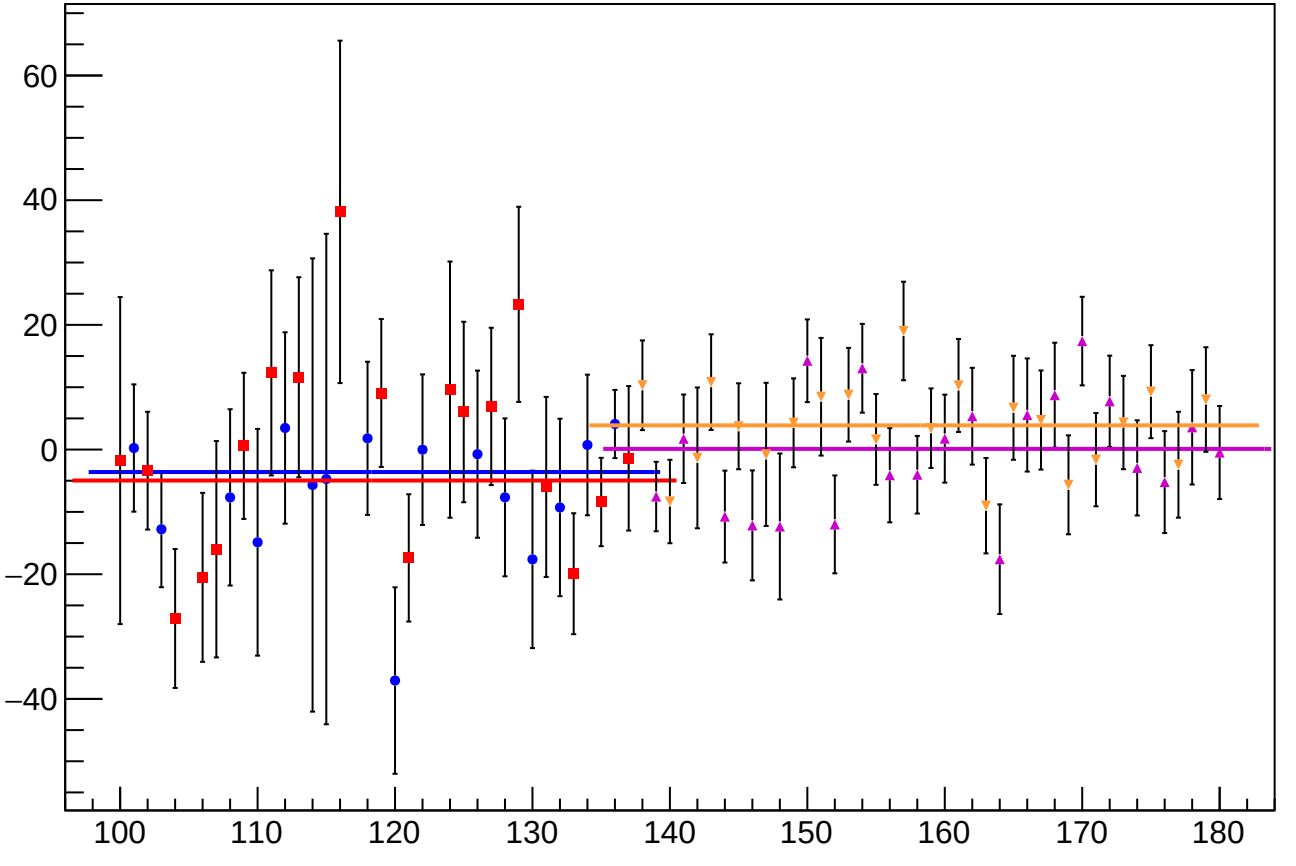
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9496.393+/-1.396 χ^2/NDF:2410237.0/36

Out: 9518.303+/-1.390 χ^2/NDF:2769421.7/40

All: 9507.396+/-0.985 χ^2/NDF: 5179782.4/77

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.885+/-1.653 χ^2/NDF:16.8/21

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.104+/-1.647 χ^2/NDF:31.8/20

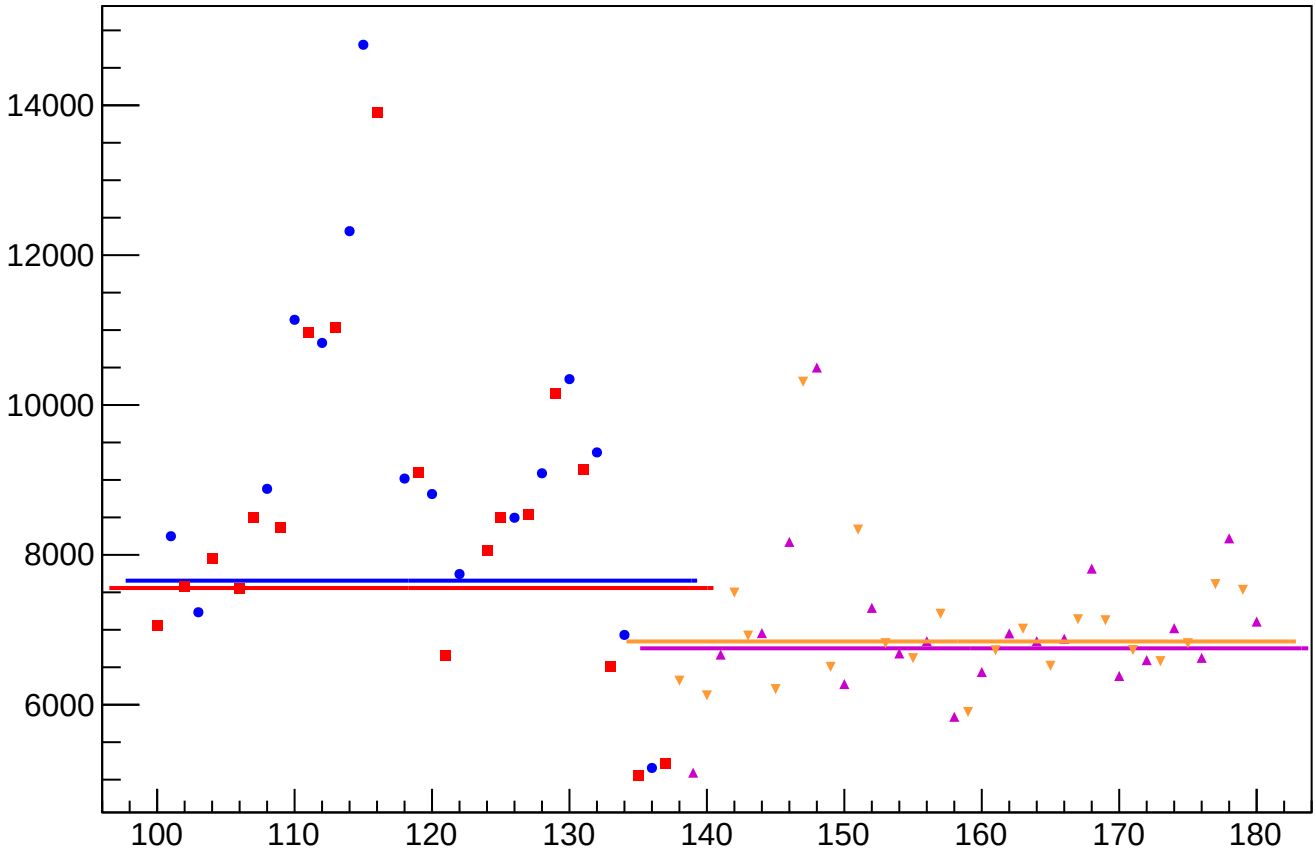
Left: 1.987+/-1.167 χ^2/NDF: 51.2/42

Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.782+/-1.437 χ^2/NDF:43.5/36

Out: 1.663+/-1.431 χ^2/NDF:45.3/40

All: 0.446+/-1.014 χ^2/NDF: 90.3/77



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6844.271+/-1.169 χ^2/NDF:386714.5/21

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6752.694+/-1.164 χ^2/NDF:602150.9/20

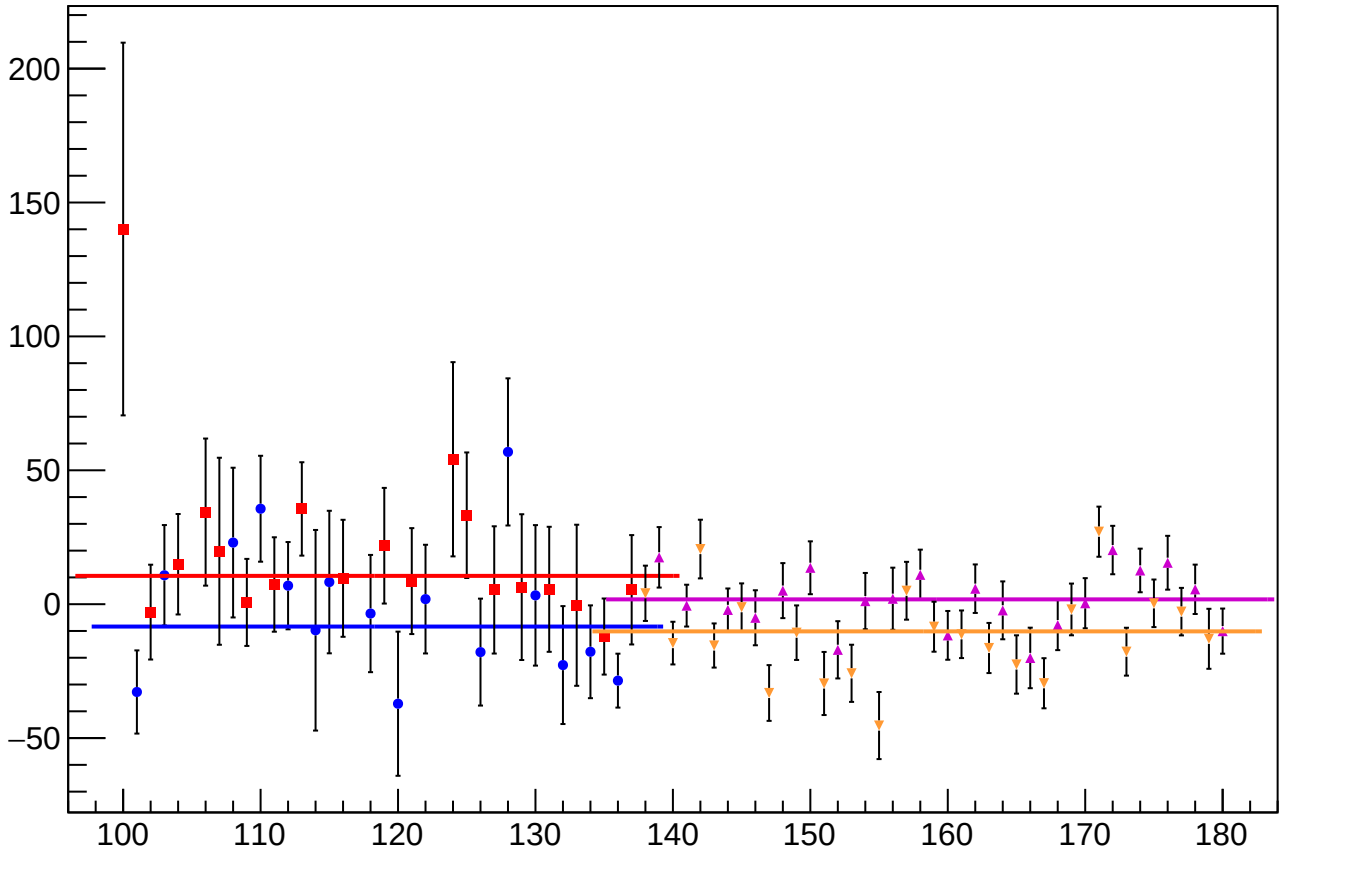
Left: 6798.308+/-0.825 χ^2/NDF: 991946.6/42

Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6968.361+/-1.016 χ^2/NDF:1625595.6/36

Out: 7023.284+/-1.012 χ^2/NDF:1290035.6/40

All: 6995.940+/-0.717 χ^2/NDF: 2917099.0/77



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.150+/-2.067 χ^2/NDF:56.6/21

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.799+/-2.075 χ^2/NDF:25.5/20

Left: -4.199+/-1.465 χ^2/NDF: 98.8/42

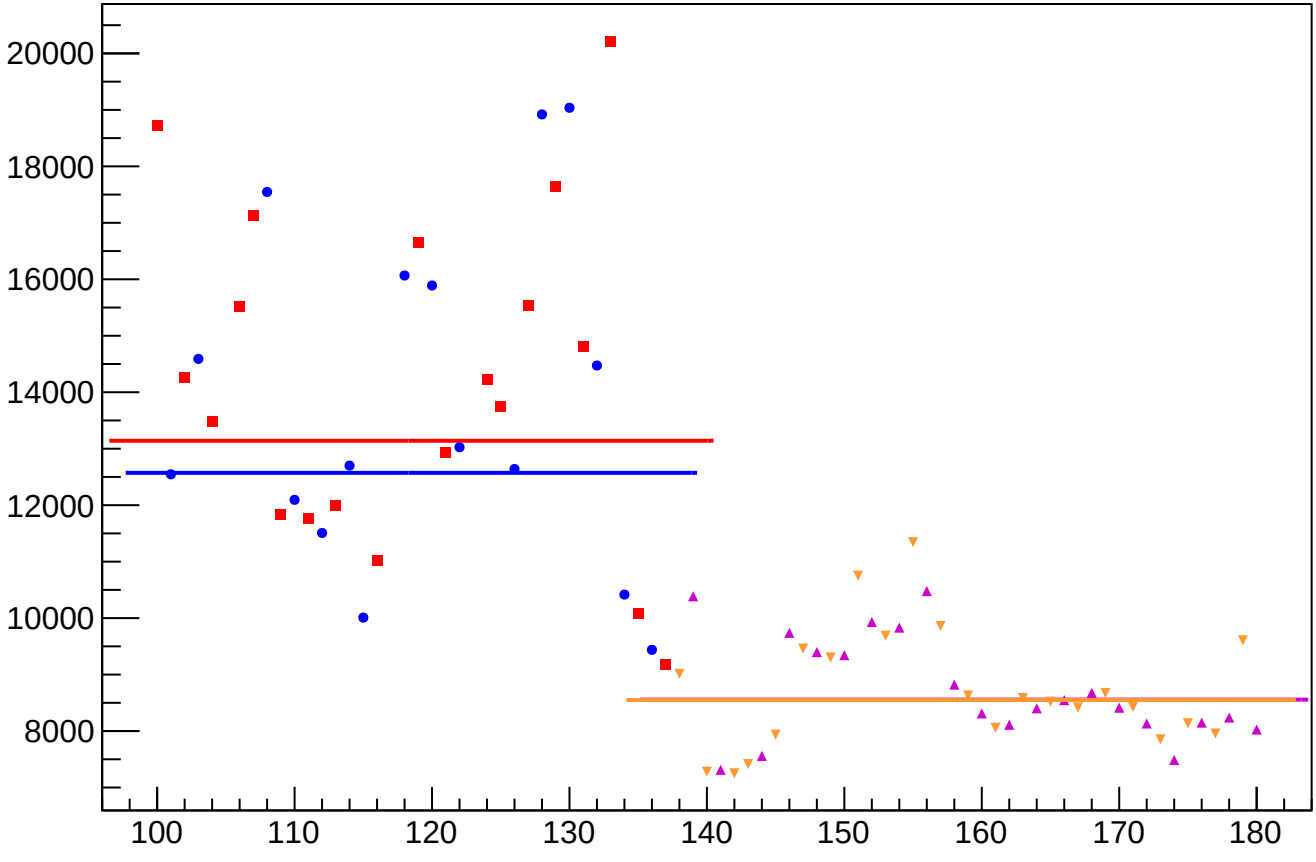
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.208+/-1.906 χ^2/NDF:52.5/36

Out: -7.031+/-1.905 χ^2/NDF:84.6/40

All: -3.412+/-1.347 χ^2/NDF: 144.4/77

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8549.100+/-1.462 χ^2/NDF:428832.4/21

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8556.910+/-1.468 χ^2/NDF:365854.7/20

Left: 8552.990+/-1.036 χ^2/NDF: 794701.4/42

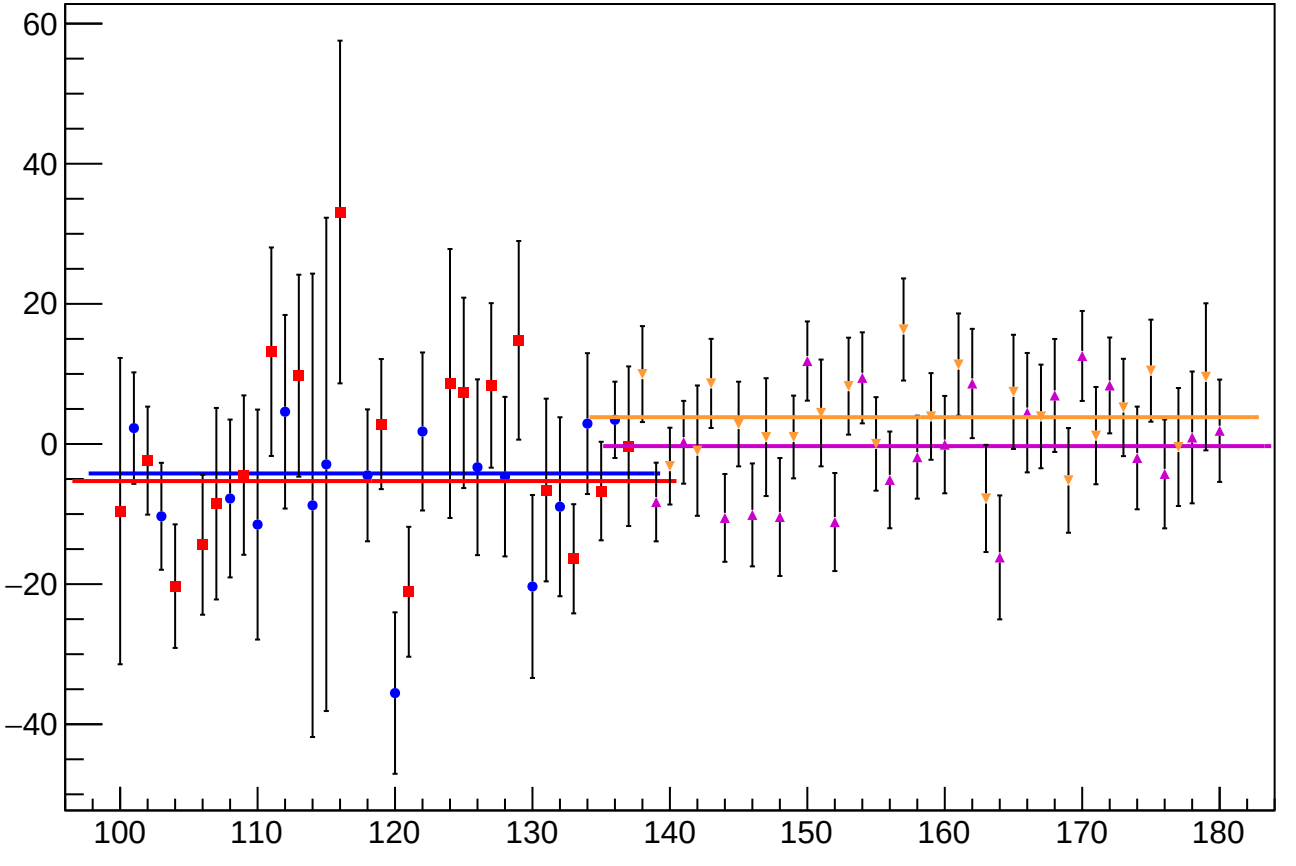
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9186.386+/-1.348 χ^2/NDF:2204521.8/36

Out: 9240.324+/-1.347 χ^2/NDF:2449108.8/40

All: 9213.363+/-0.953 χ^2/NDF: 4654431.8/77

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.826+/-1.512 χ^2/NDF:13.9/21

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.301+/-1.519 χ^2/NDF:29.4/20

Left: 1.772+/-1.072 χ^2/NDF: 47.1/42

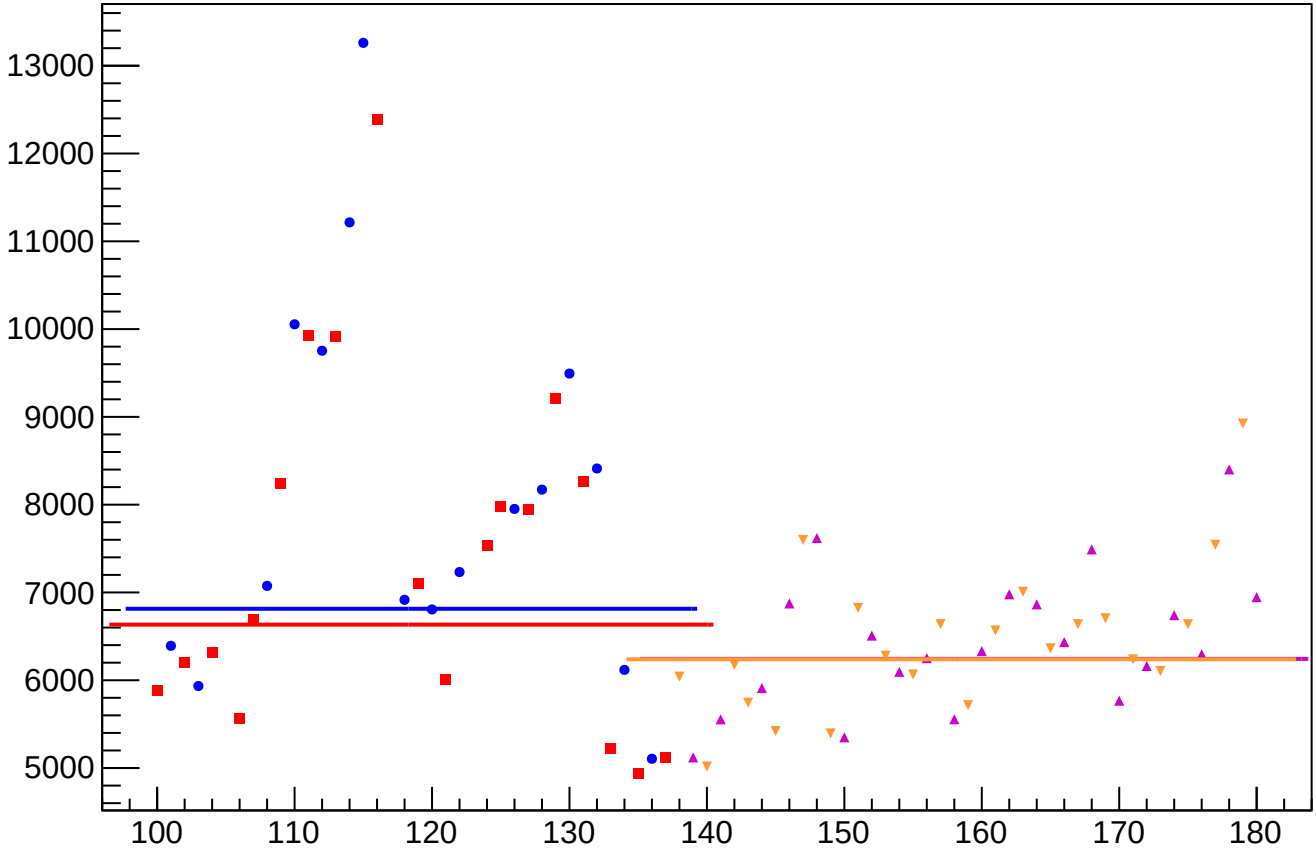
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.294+/-1.312 χ^2/NDF:45.0/36

Out: 1.388+/-1.294 χ^2/NDF:43.4/40

All: 0.065+/-0.921 χ^2/NDF: 90.5/77

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6238.939+/-1.069 χ^2/NDF:500568.0/21

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6243.450+/-1.074 χ^2/NDF:483050.7/20

Left: 6241.184+/-0.758 χ^2/NDF: 983627.6/42

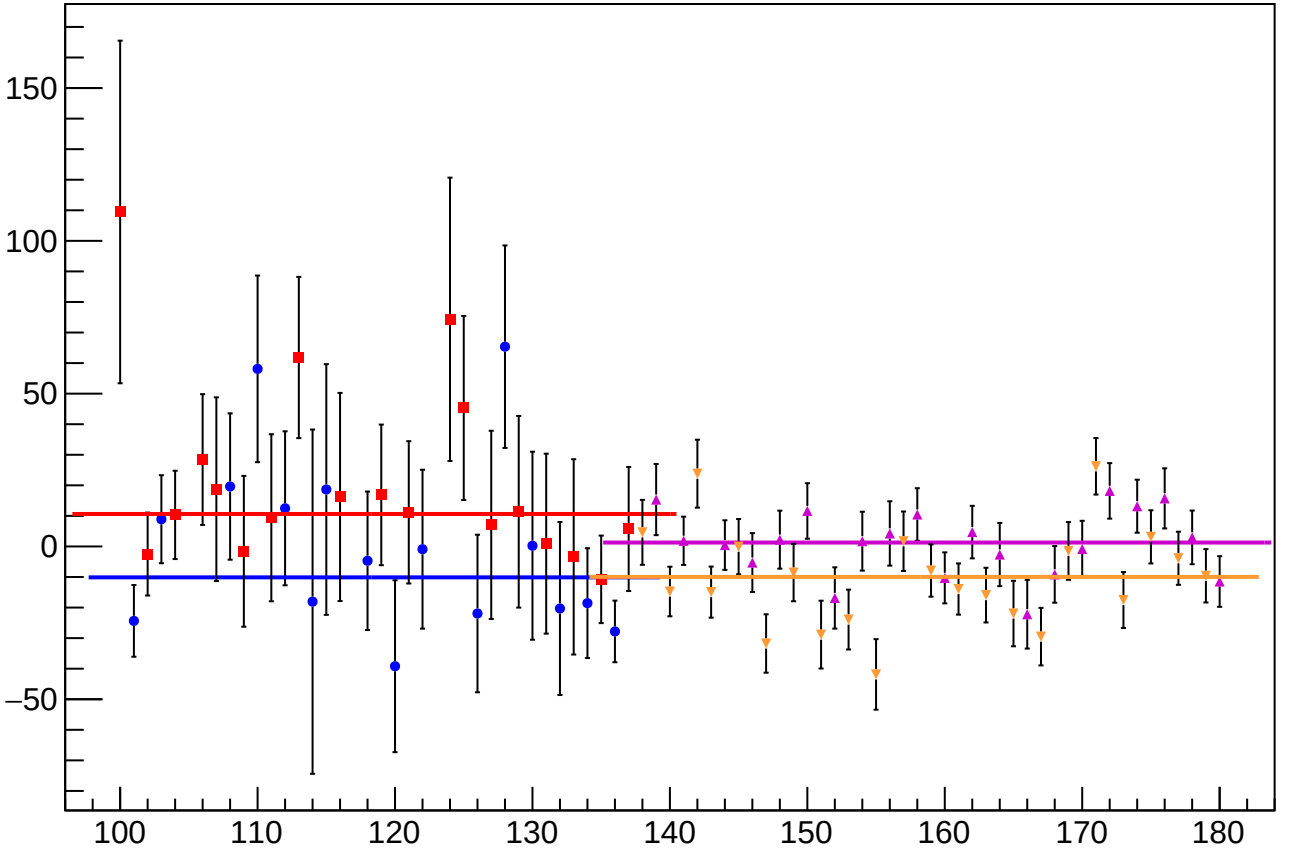
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6388.704+/-0.928 χ^2/NDF:1228998.5/36

Out: 6344.560+/-0.915 χ^2/NDF:1300381.0/40

All: 6366.335+/-0.651 χ^2/NDF: 2530527.4/77

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.957+/-1.990 χ^2/NDF:58.1/21

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.280+/-2.009 χ^2/NDF:25.5/20

Left: -4.392+/-1.414 χ^2/NDF: 99.4/42

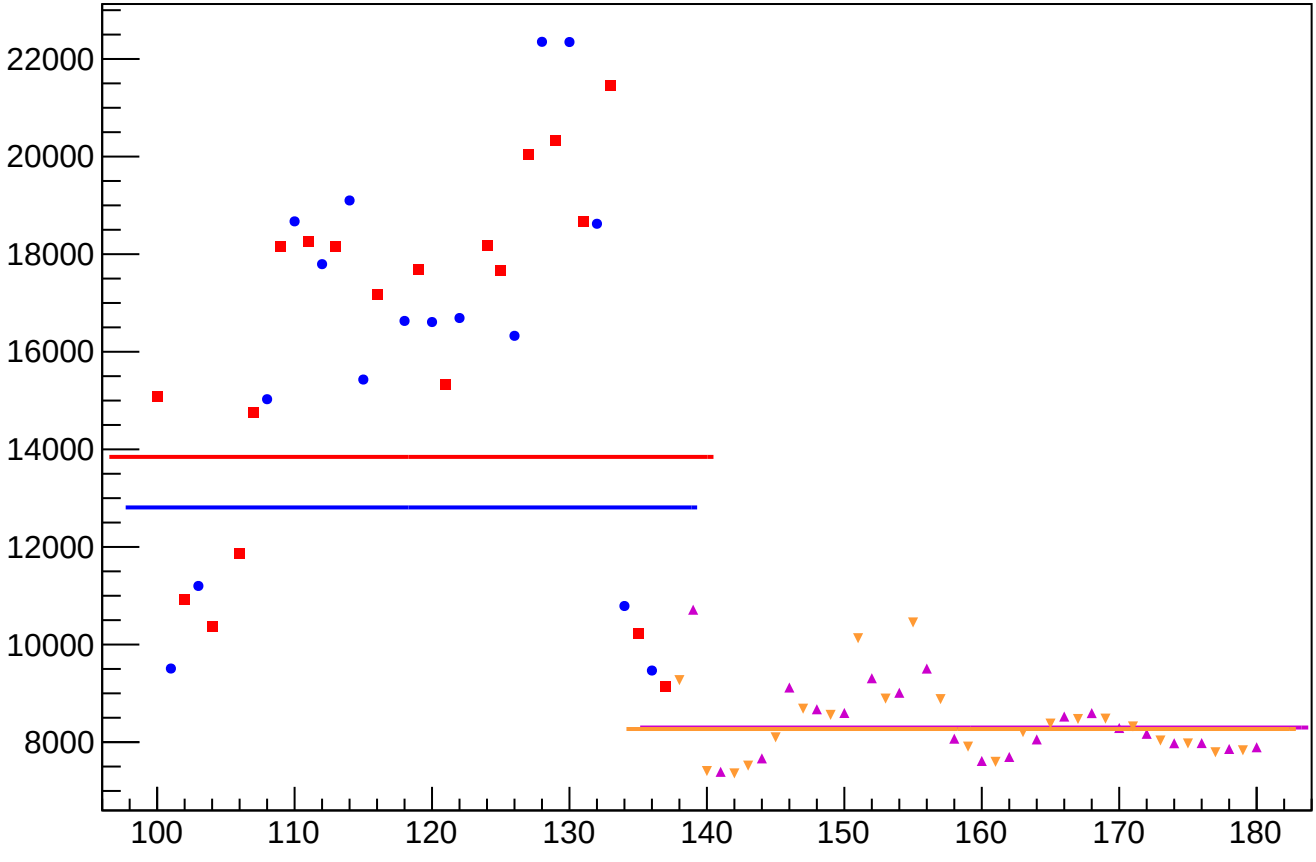
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.294+/-1.865 χ^2/NDF:51.2/36

Out: -7.395+/-1.862 χ^2/NDF:86.2/40

All: -3.850+/-1.318 χ^2/NDF: 144.7/77

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8269.248+/-1.407 χ^2/NDF:253560.0/21

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8299.545+/-1.421 χ^2/NDF:245531.1/20

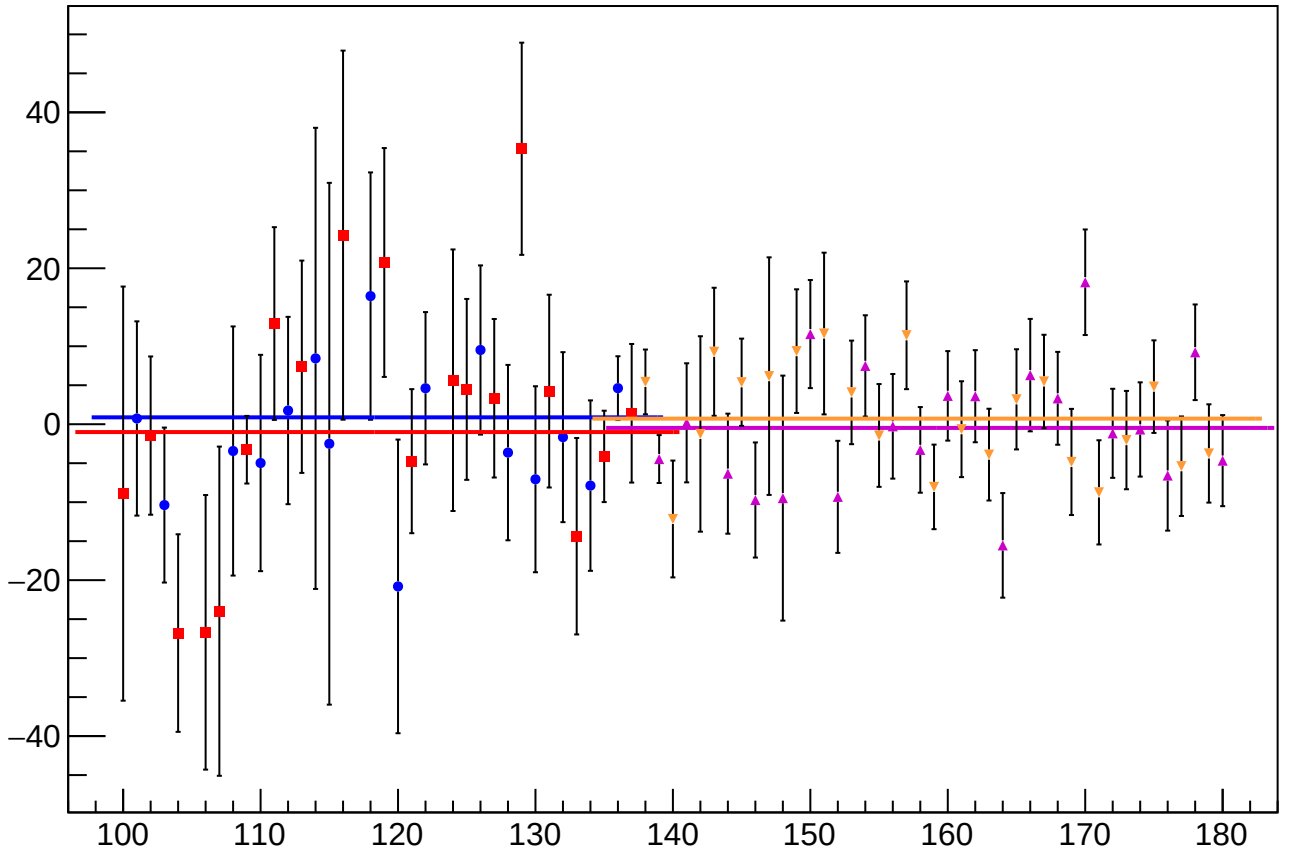
Left: 8284.252+/-1.000 χ^2/NDF: 499320.7/42

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 8922.851+/-1.319 χ^2/NDF:2886768.3/36

Out: 8963.587+/-1.317 χ^2/NDF:3305633.9/40

All: 8943.253+/-0.932 χ^2/NDF: 6192880.1/77



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.716+/-1.395 χ^2/NDF:20.0/21

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.475+/-1.329 χ^2/NDF:29.2/20

Left: 0.092+/-0.962 χ^2/NDF: 49.6/42

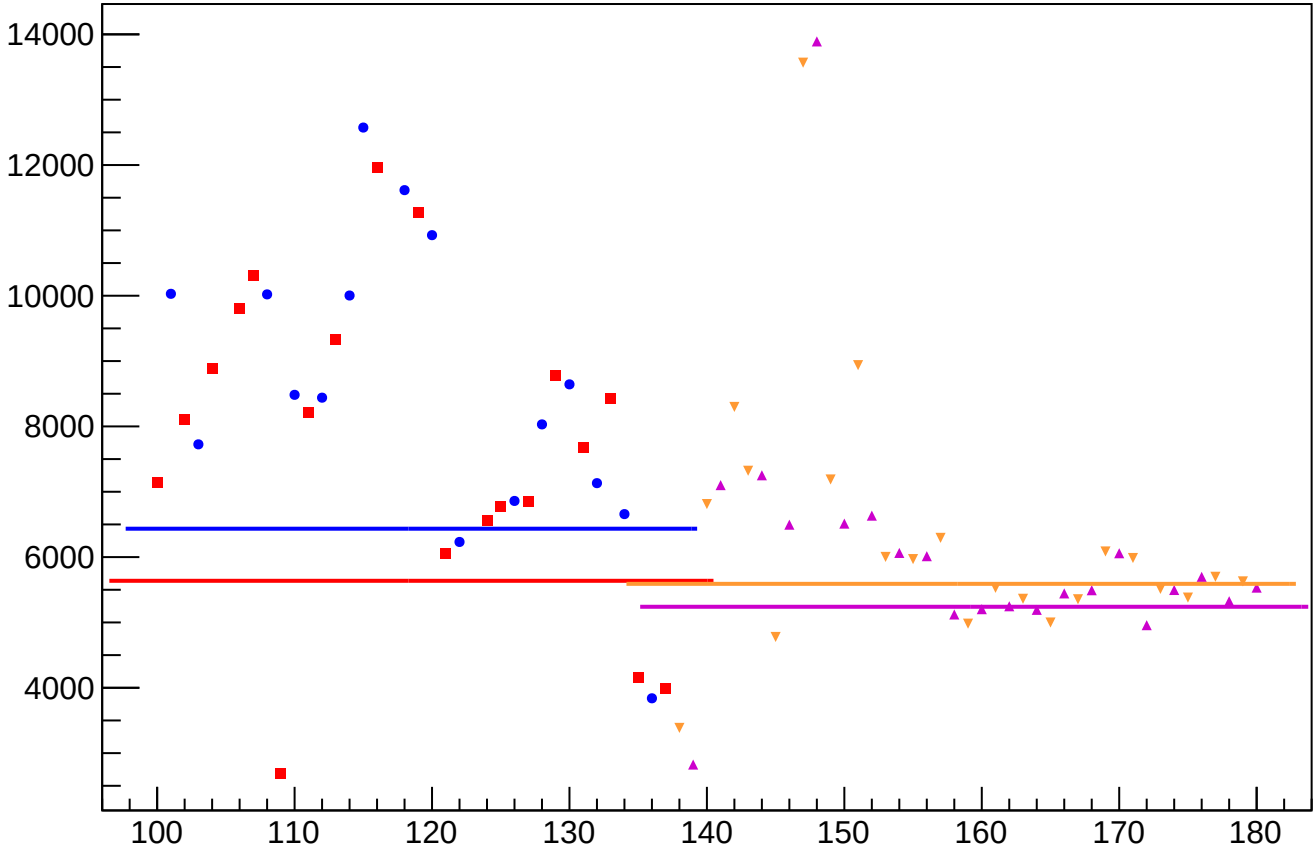
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.188+/-1.180 χ^2/NDF:36.2/36

Out: 0.257+/-1.195 χ^2/NDF:42.8/40

All: 0.032+/-0.840 χ^2/NDF: 79.0/77

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5590.722+/-0.987 χ^2/NDF:1782807.9/21

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5239.924+/-0.940 χ^2/NDF:2414743.3/20

Left: 5406.808+/-0.681 χ^2/NDF: 4263828.7/42

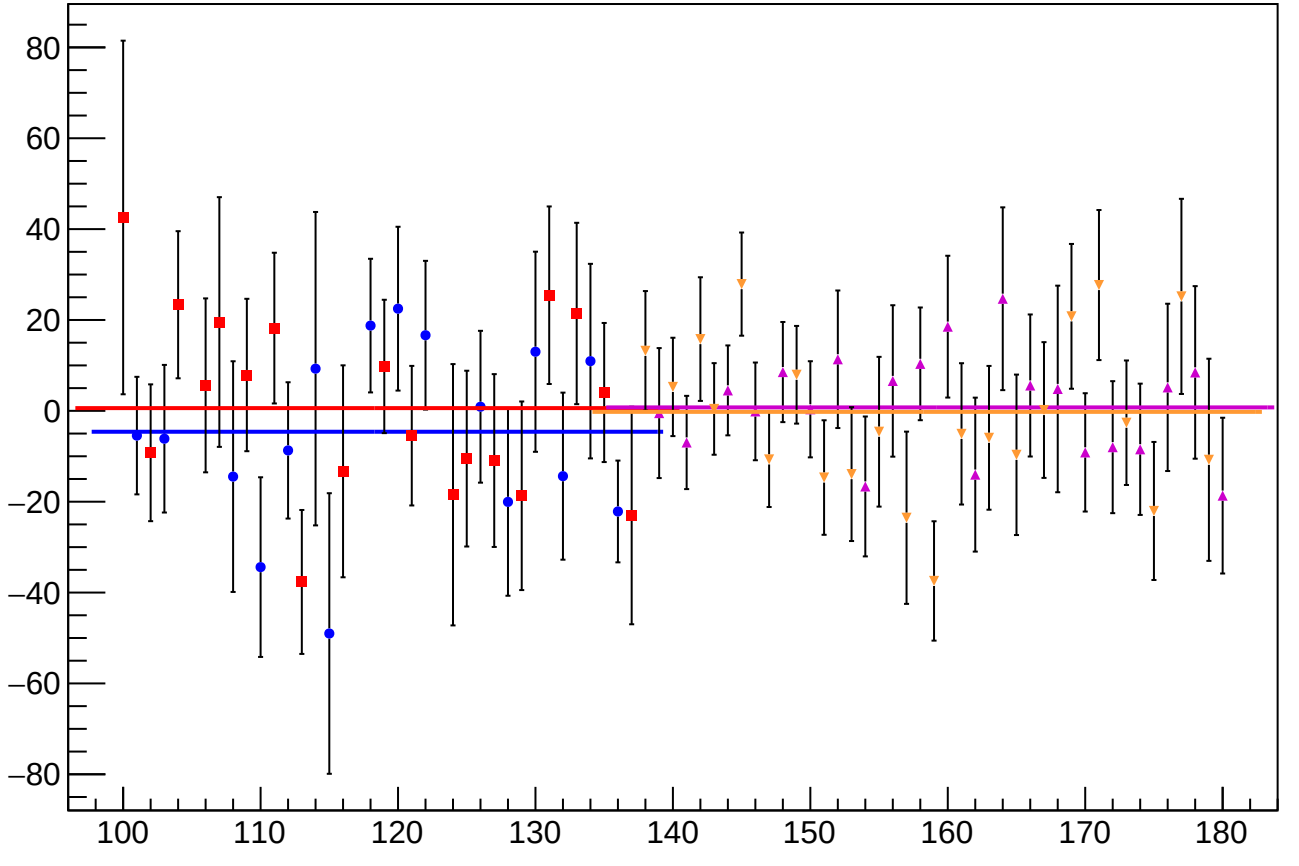
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5492.630+/-0.835 χ^2/NDF:4507131.7/36

Out: 5603.154+/-0.845 χ^2/NDF:4363417.0/40

All: 5547.210+/-0.594 χ^2/NDF: 8879210.3/77

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.223+/-2.943 χ^2/NDF:31.0/21

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.757+/-3.019 χ^2/NDF:10.2/20

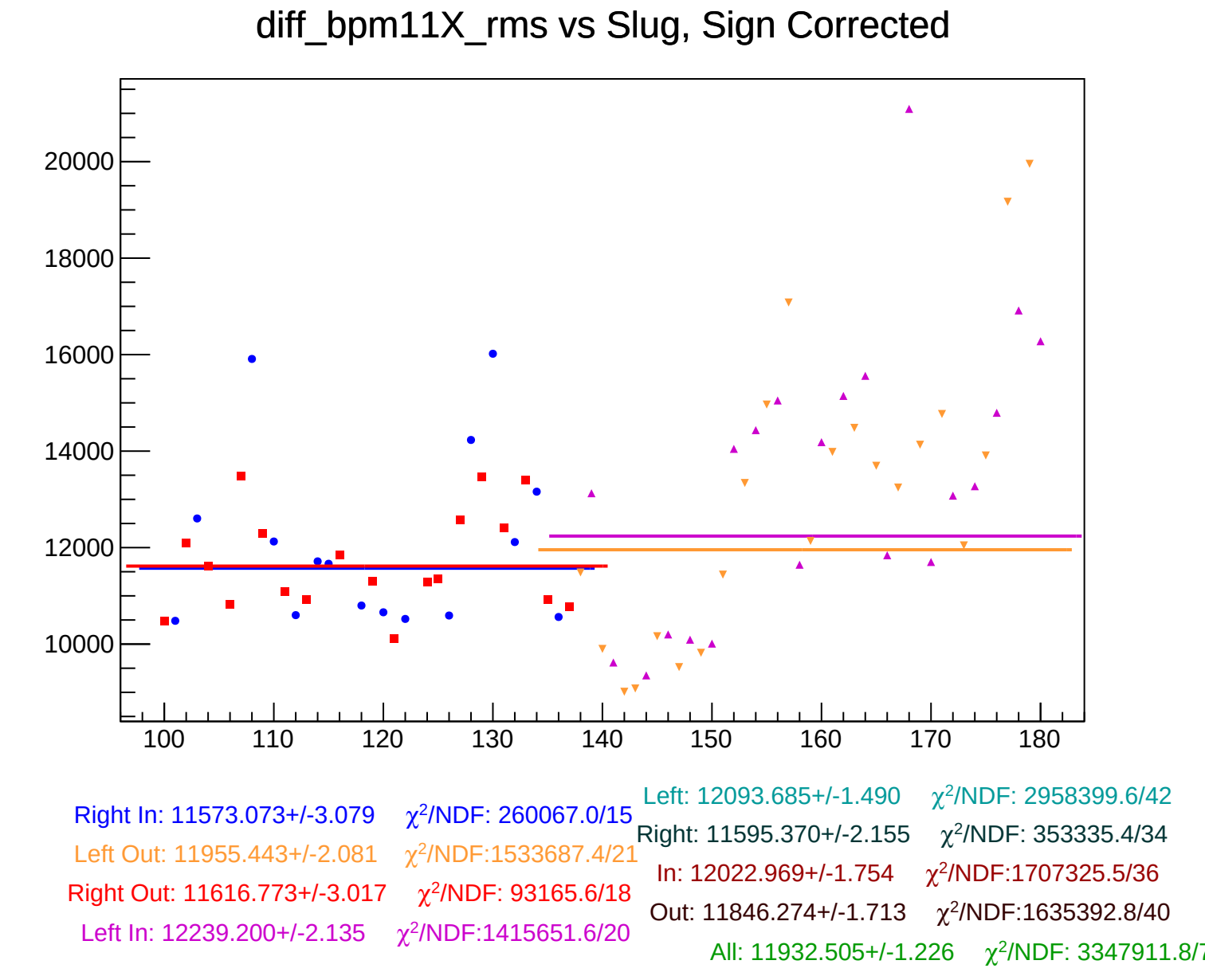
Left: 0.254+/-2.107 χ^2/NDF: 41.2/42

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

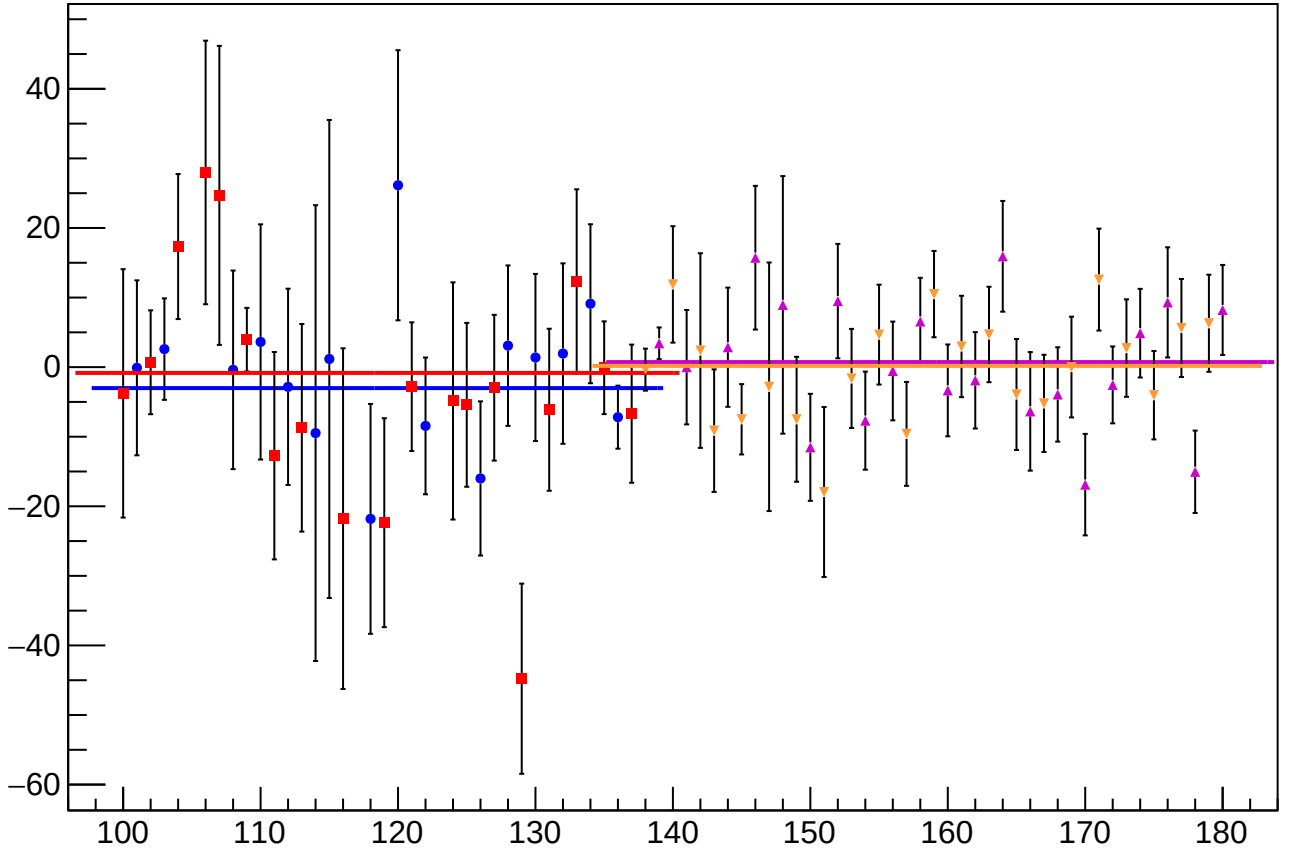
In: -0.982+/-2.481 χ^2/NDF:27.0/36

Out: 0.042+/-2.422 χ^2/NDF:48.9/40

All: -0.458+/-1.733 χ^2/NDF: 76.0/77


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11955.443+/-2.081 χ²/NDF:1533687.4/21
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 12239.200+/-2.135 χ²/NDF:1415651.6/20
Left: 12093.685+/-1.490 χ²/NDF: 2958399.6/42
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 12022.969+/-1.754 χ²/NDF:1707325.5/36
Out: 11846.274+/-1.713 χ²/NDF:1635392.8/40
All: 11932.505+/-1.226 χ²/NDF: 3347911.8/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.182+/-1.434 χ^2/NDF:19.6/21

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.726+/-1.325 χ^2/NDF:31.3/20

Left: 0.476+/-0.973 χ^2/NDF: 51.0/42

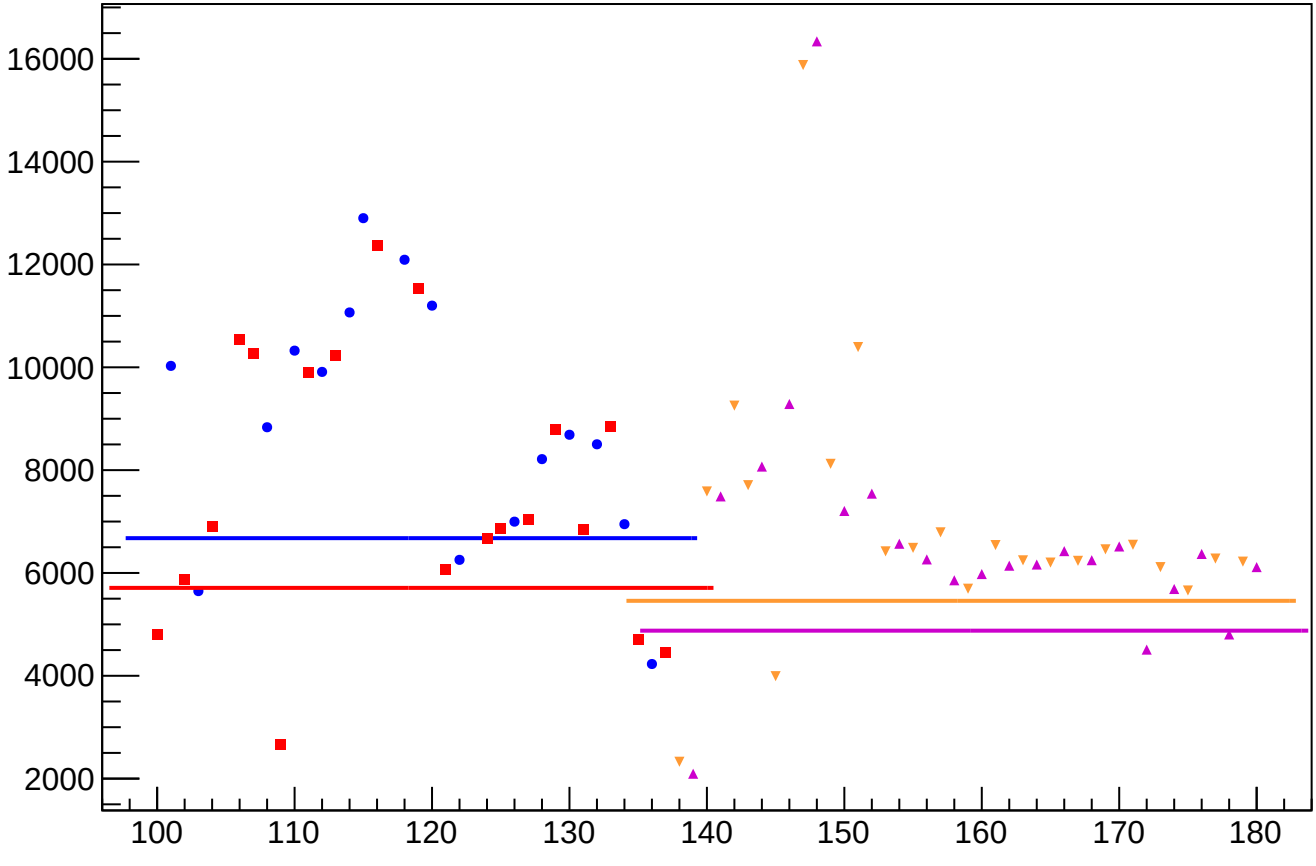
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -0.020+/-1.185 χ^2/NDF:41.6/36

Out: -0.092+/-1.224 χ^2/NDF:43.5/40

All: -0.055+/-0.852 χ^2/NDF: 85.1/77

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5458.188+/-1.014 χ^2/NDF:4321183.0/21

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4877.676+/-0.937 χ^2/NDF:5831441.3/20

Left: 5144.967+/-0.688 χ^2/NDF: 10329487.8/42

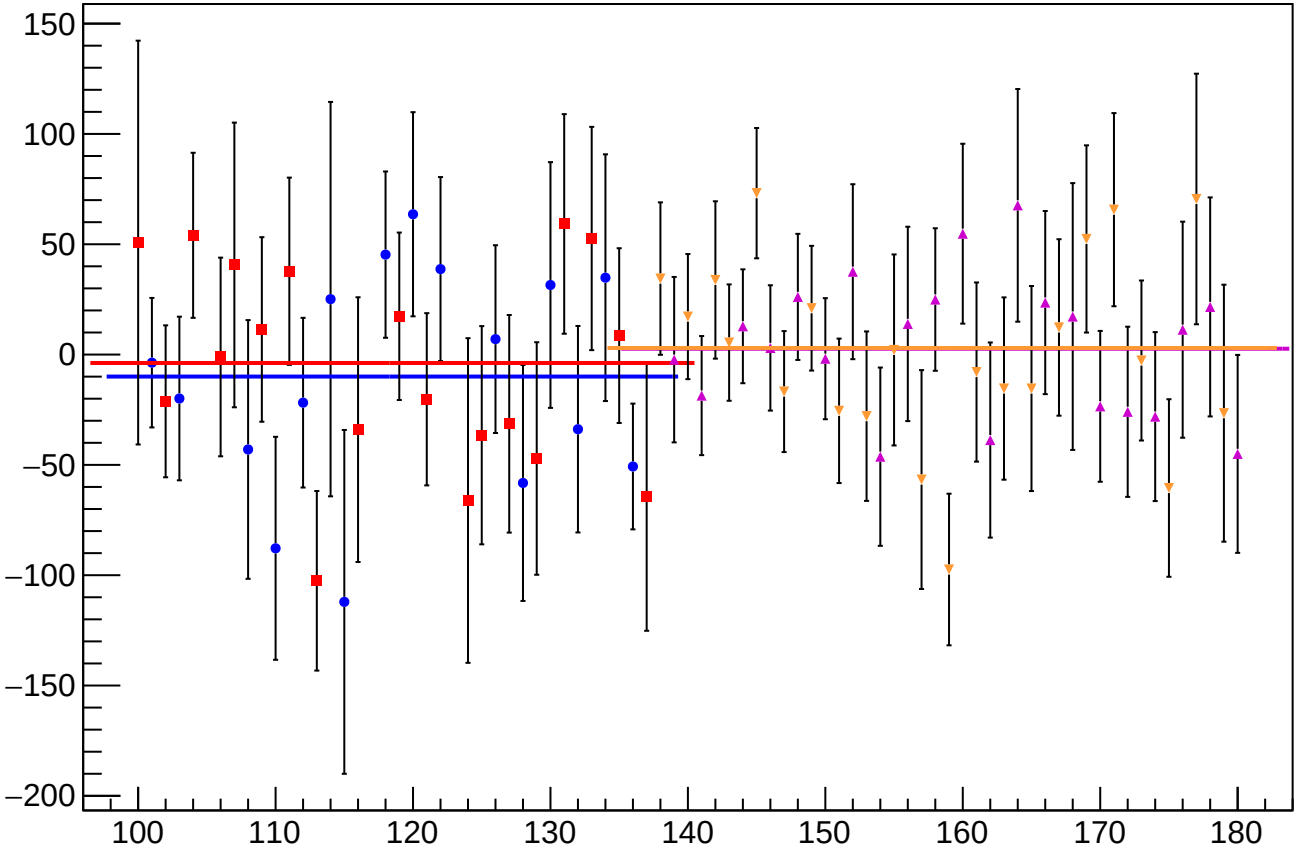
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5236.503+/-0.838 χ^2/NDF:8140203.2/36

Out: 5526.390+/-0.866 χ^2/NDF:6638915.7/40

All: 5376.747+/-0.602 χ^2/NDF: 14837002.4/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.647+/-7.916 χ^2/NDF:11.7/20

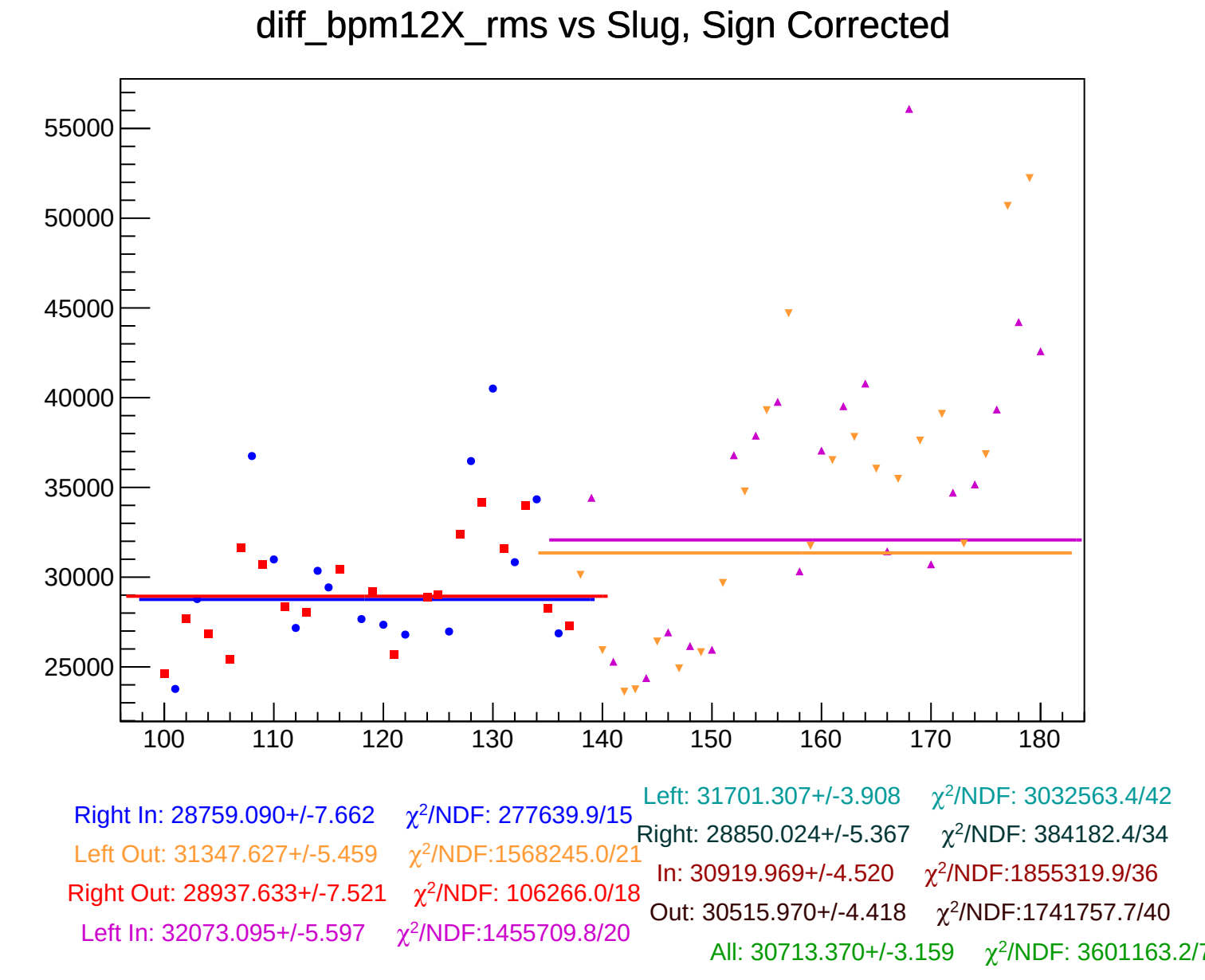
Left: 2.822+/-5.527 χ^2/NDF: 39.6/42

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

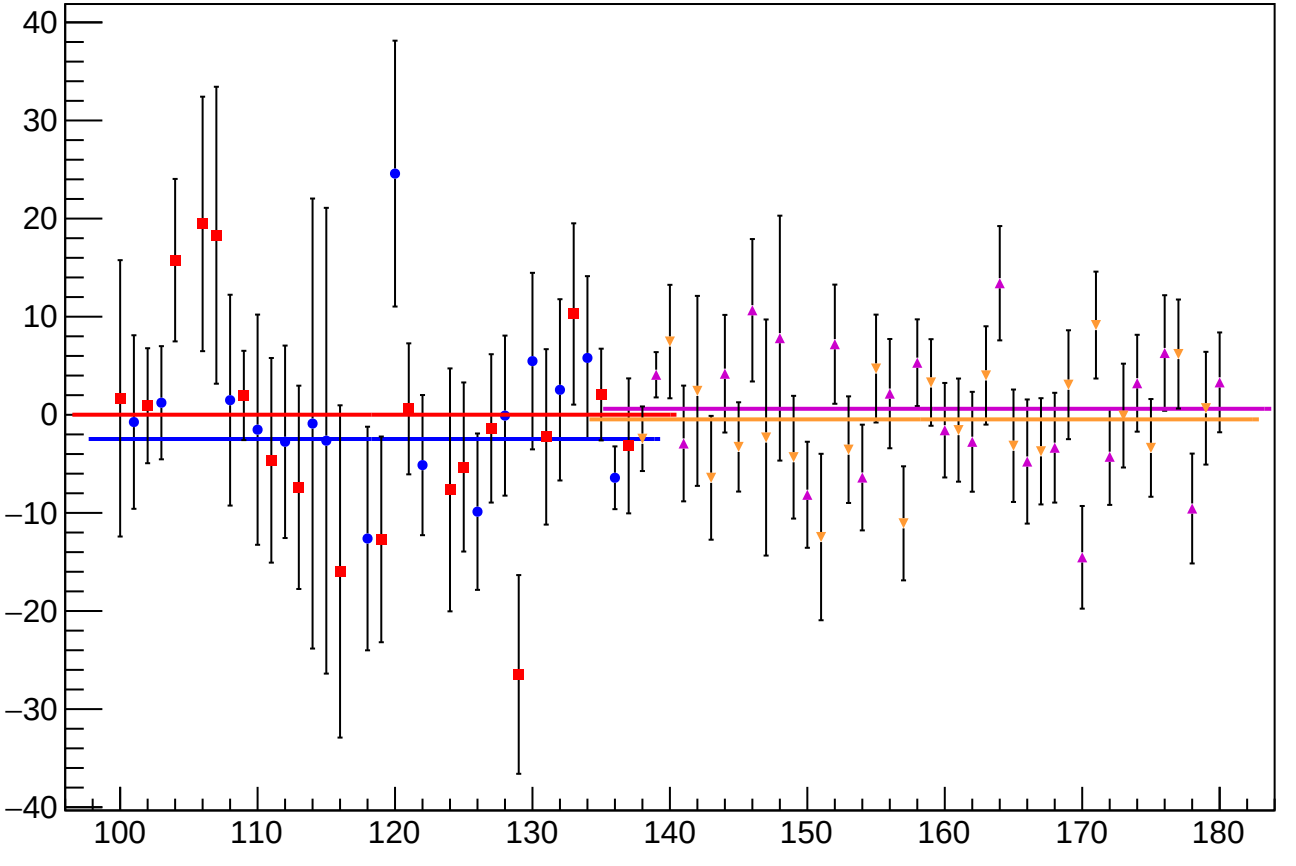
In: -1.743+/-6.392 χ^2/NDF:27.9/36

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.524+/-4.468 χ^2/NDF: 73.4/77


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 32073.095+/-5.597 χ²/NDF:1455709.8/20
Left: 31701.307+/-3.908 χ²/NDF: 3032563.4/42
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30919.969+/-4.520 χ²/NDF:1855319.9/36
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30713.370+/-3.159 χ²/NDF: 3601163.2/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.466+/-1.158 χ^2/NDF:18.0/21

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.612+/-1.094 χ^2/NDF:32.8/20

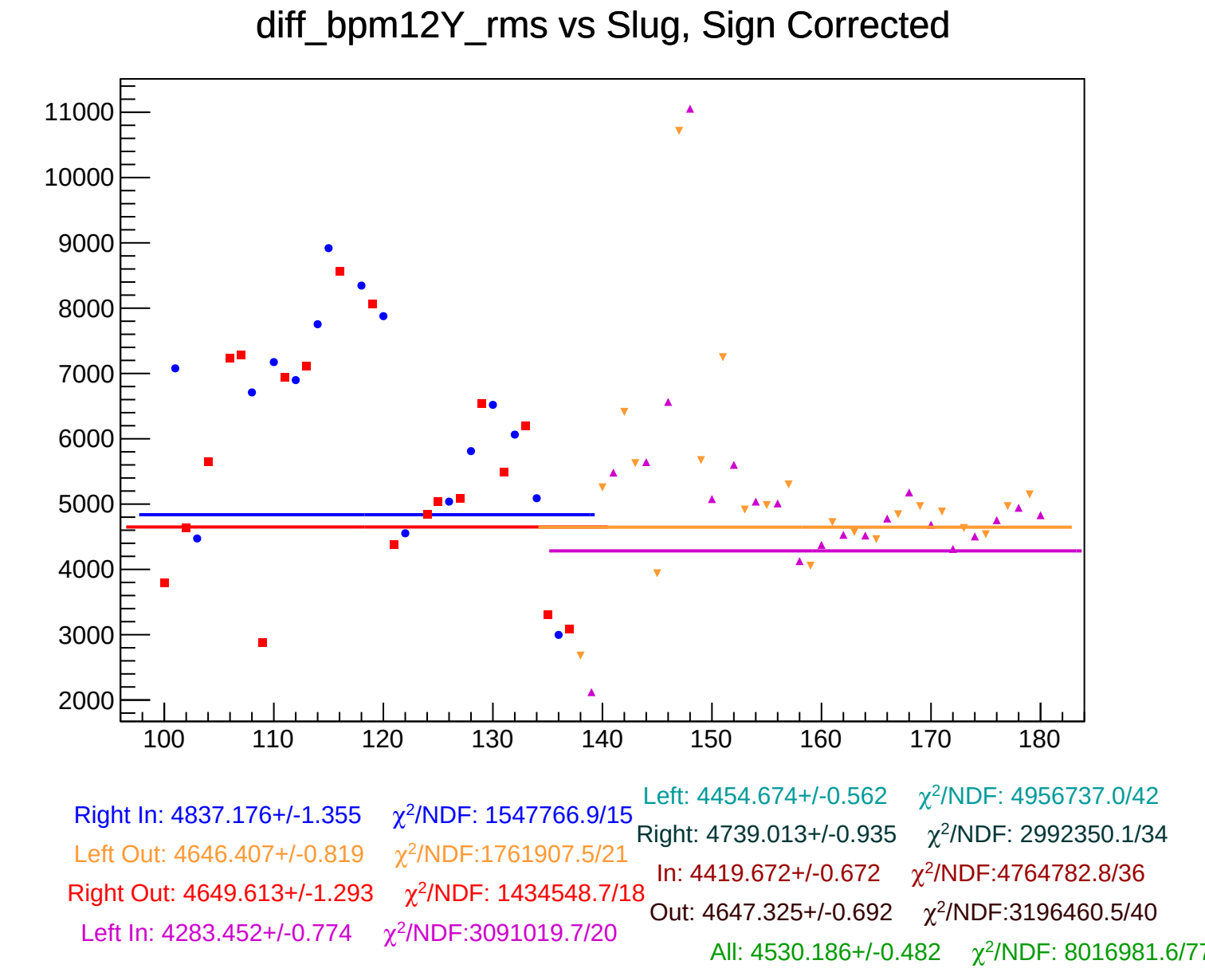
Left: 0.103+/-0.795 χ^2/NDF: 51.2/42

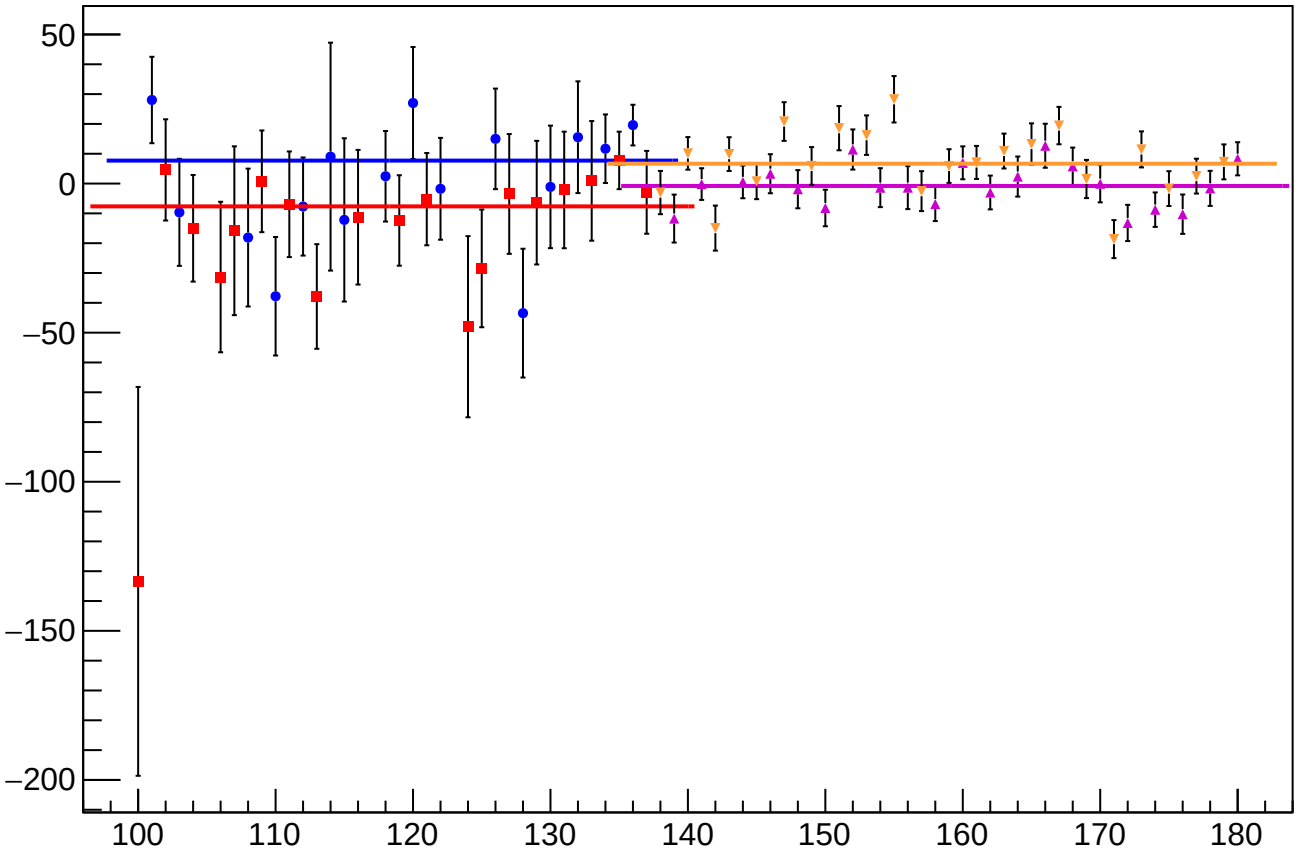
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.146+/-0.950 χ^2/NDF:44.8/36

Out: -0.330+/-0.978 χ^2/NDF:38.0/40

All: -0.235+/-0.682 χ^2/NDF: 82.8/77


diff_bpm12Y_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4646.407+/-0.819 χ²/NDF:1761907.5/21
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 4283.452+/-0.774 χ²/NDF:3091019.7/20
Left: 4454.674+/-0.562 χ²/NDF: 4956737.0/42
Right: 4739.013+/-0.935 χ²/NDF: 2992350.1/34
In: 4419.672+/-0.672 χ²/NDF:4764782.8/36
Out: 4647.325+/-0.692 χ²/NDF:3196460.5/40
All: 4530.186+/-0.482 χ²/NDF: 8016981.6/77



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.664+/-1.335 χ^2/NDF:55.9/21

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.804+/-1.348 χ^2/NDF:25.9/20

Left: 2.966+/-0.948 χ^2/NDF: 97.3/42

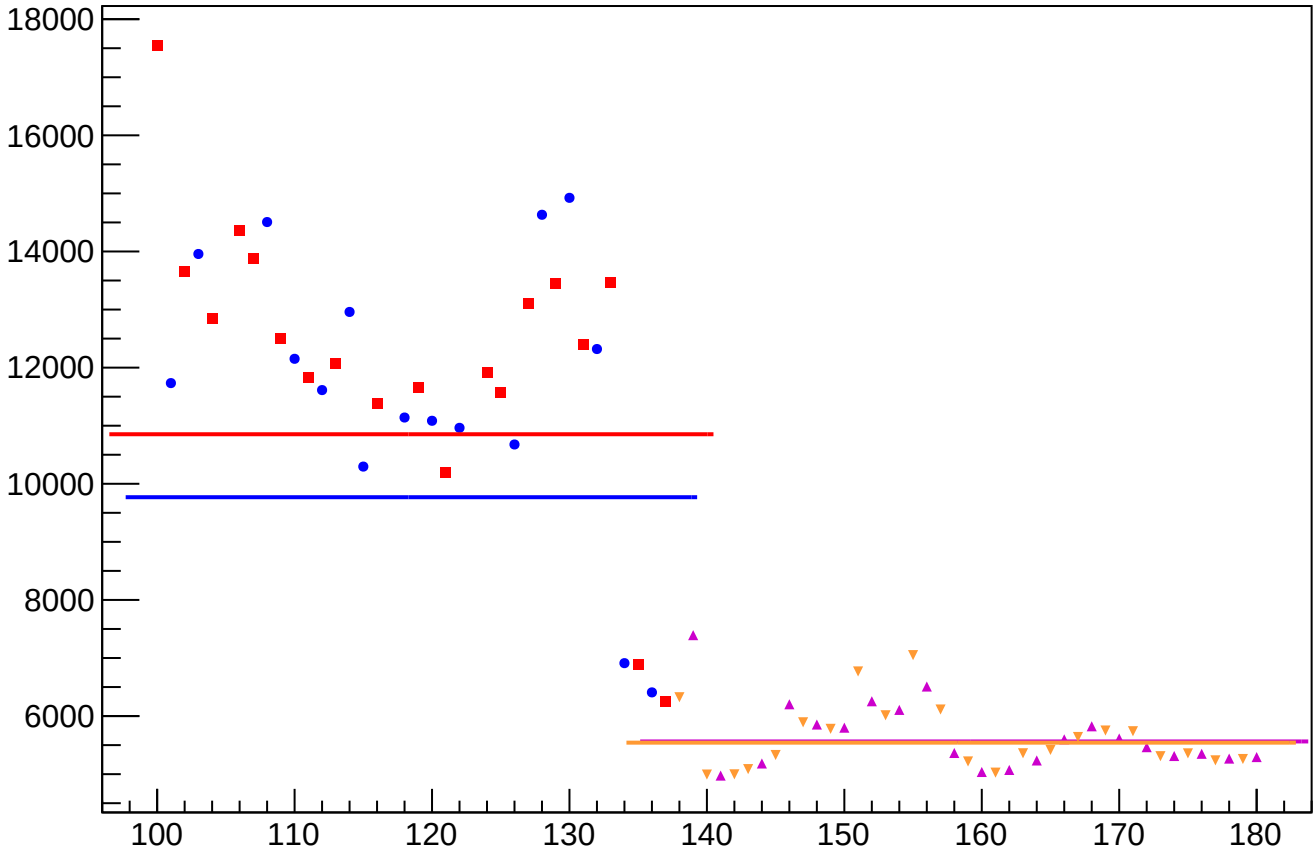
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.137+/-1.271 χ^2/NDF:51.9/36

Out: 5.292+/-1.269 χ^2/NDF:81.5/40

All: 2.719+/-0.898 χ^2/NDF: 141.6/77

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5542.610+/-0.944 χ^2/NDF:278407.5/21

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5563.233+/-0.953 χ^2/NDF:293417.2/20

Left: 5552.821+/-0.671 χ^2/NDF: 572061.2/42

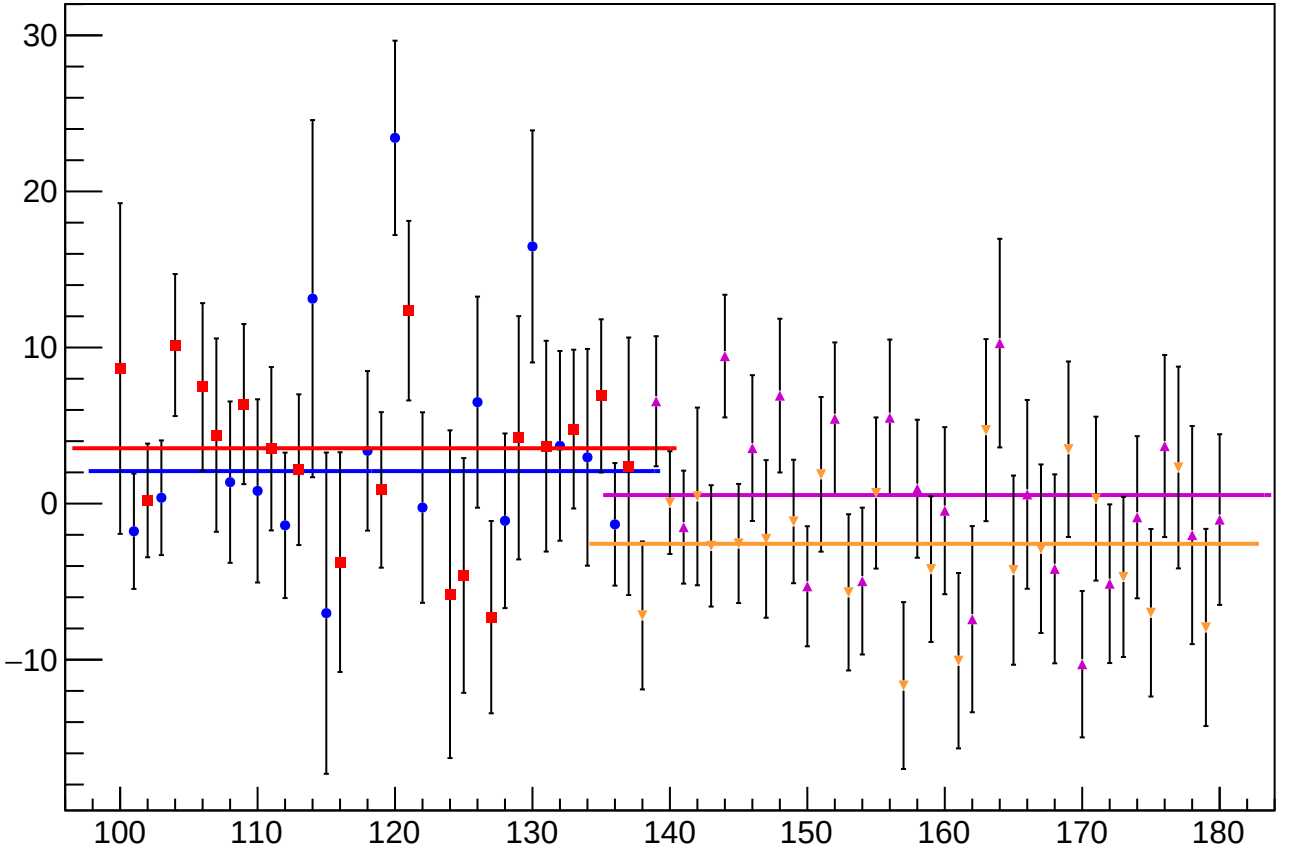
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6028.747+/-0.899 χ^2/NDF:3663126.2/36

Out: 6051.494+/-0.897 χ^2/NDF:4187701.5/40

All: 6040.138+/-0.635 χ^2/NDF: 7851148.5/77

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.578+/-1.041 χ^2/NDF:13.7/21

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.547+/-1.068 χ^2/NDF:27.0/20

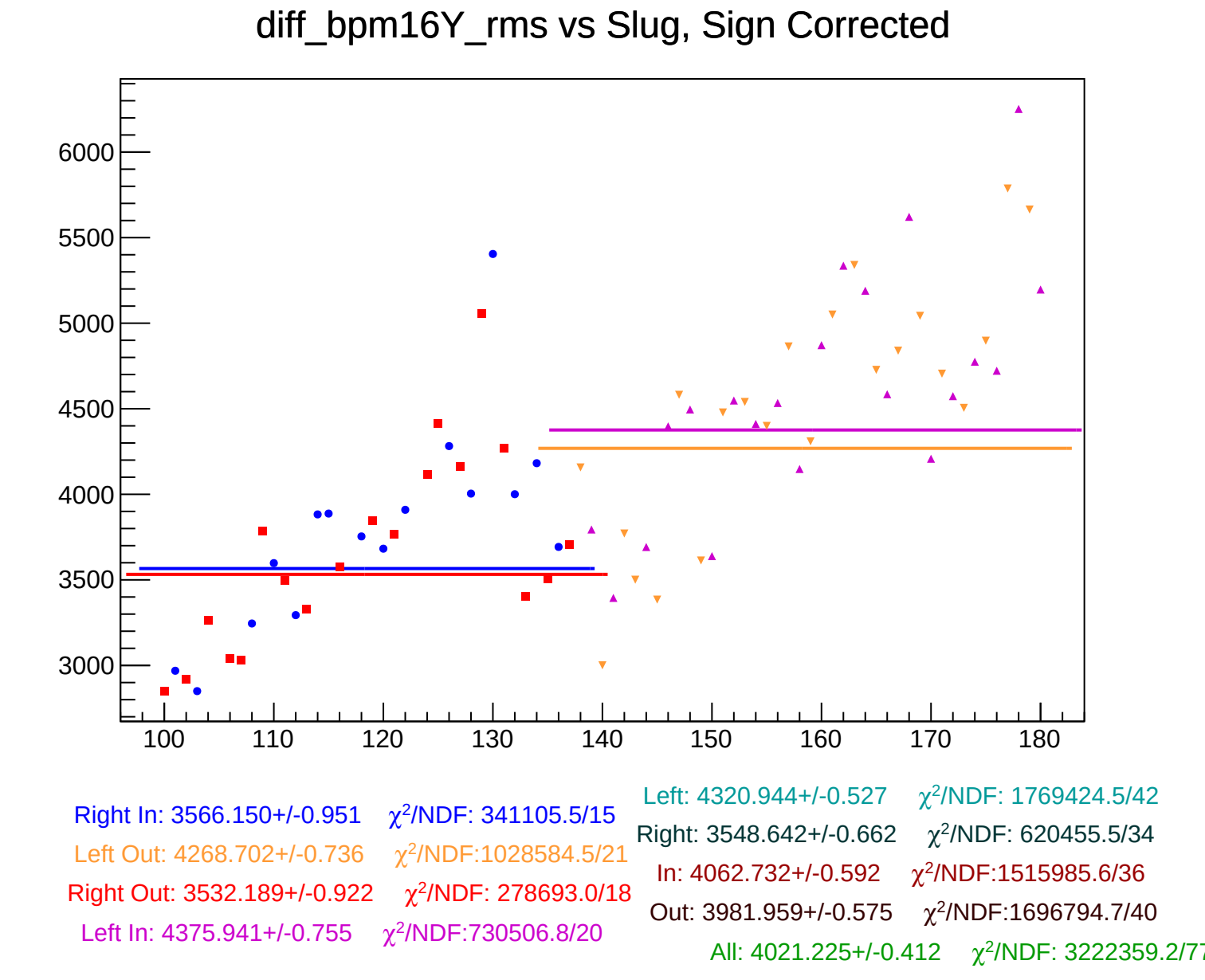
Left: -1.056+/-0.746 χ^2/NDF: 45.1/42

Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

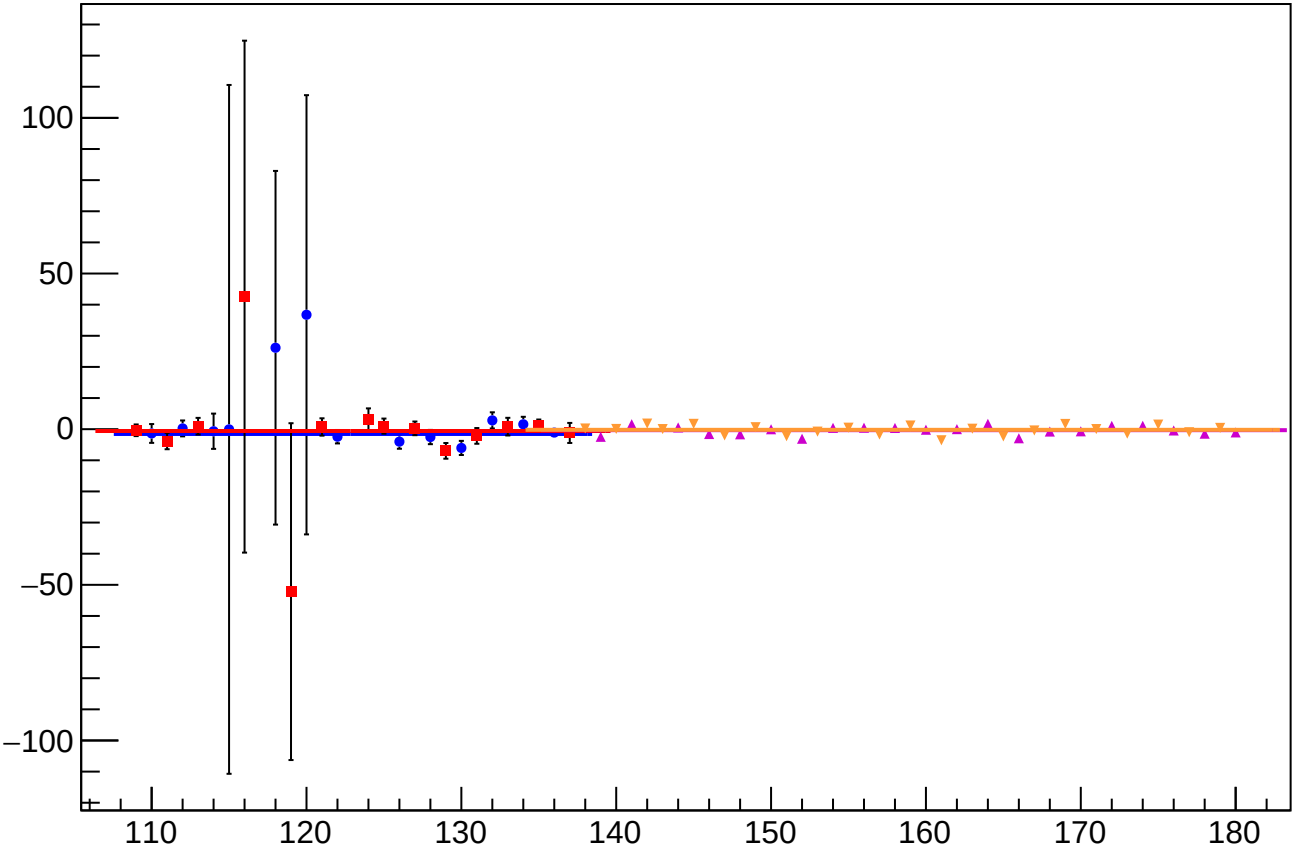
In: 1.140+/-0.837 χ^2/NDF:48.8/36

Out: -0.194+/-0.814 χ^2/NDF:40.6/40

All: 0.455+/-0.583 χ^2/NDF: 90.7/77


diff_bpm16Y_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
100
110
120
130
140
150
160
170
180
Right In: 3566.150+/-0.951 χ²/NDF: 341105.5/15
Left Out: 4268.702+/-0.736 χ²/NDF:1028584.5/21
Right Out: 3532.189+/-0.922 χ²/NDF: 278693.0/18
Left In: 4375.941+/-0.755 χ²/NDF:730506.8/20
Left: 4320.944+/-0.527 χ²/NDF: 1769424.5/42
Right: 3548.642+/-0.662 χ²/NDF: 620455.5/34
In: 4062.732+/-0.592 χ²/NDF:1515985.6/36
Out: 3981.959+/-0.575 χ²/NDF:1696794.7/40
All: 4021.225+/-0.412 χ²/NDF: 3222359.2/77

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.209+/-0.245 χ^2/NDF:33.4/21

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.320+/-0.248 χ^2/NDF:28.6/20

Left: -0.264+/-0.174 χ^2/NDF: 62.2/42

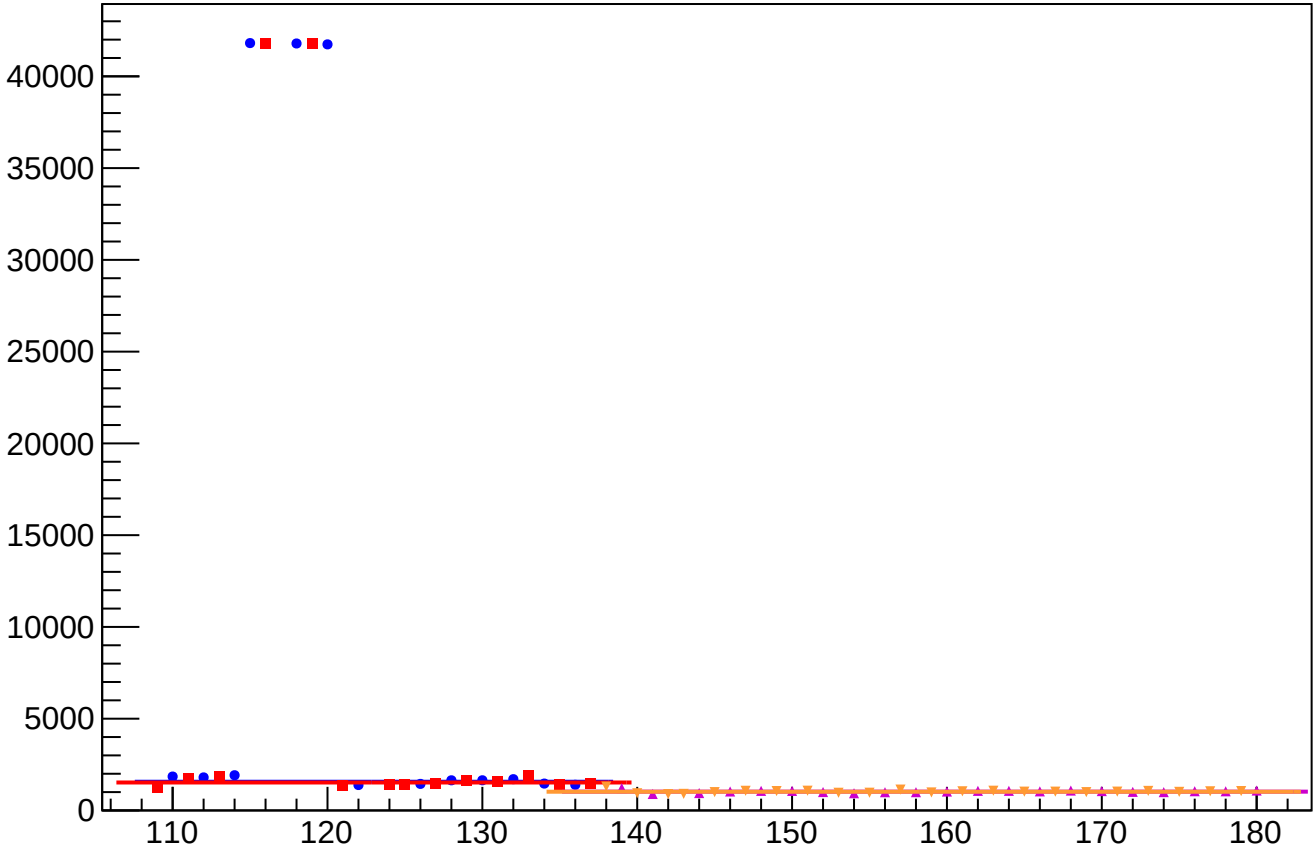
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.445+/-0.234 χ^2/NDF:42.2/33

Out: -0.249+/-0.232 χ^2/NDF:46.4/35

All: -0.346+/-0.165 χ^2/NDF: 88.9/69

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1020.666+/-0.173 χ^2/NDF:184196.4/21

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1024.298+/-0.175 χ^2/NDF:132584.5/20

Left: 1022.465+/-0.123 χ^2/NDF: 316998.3/42

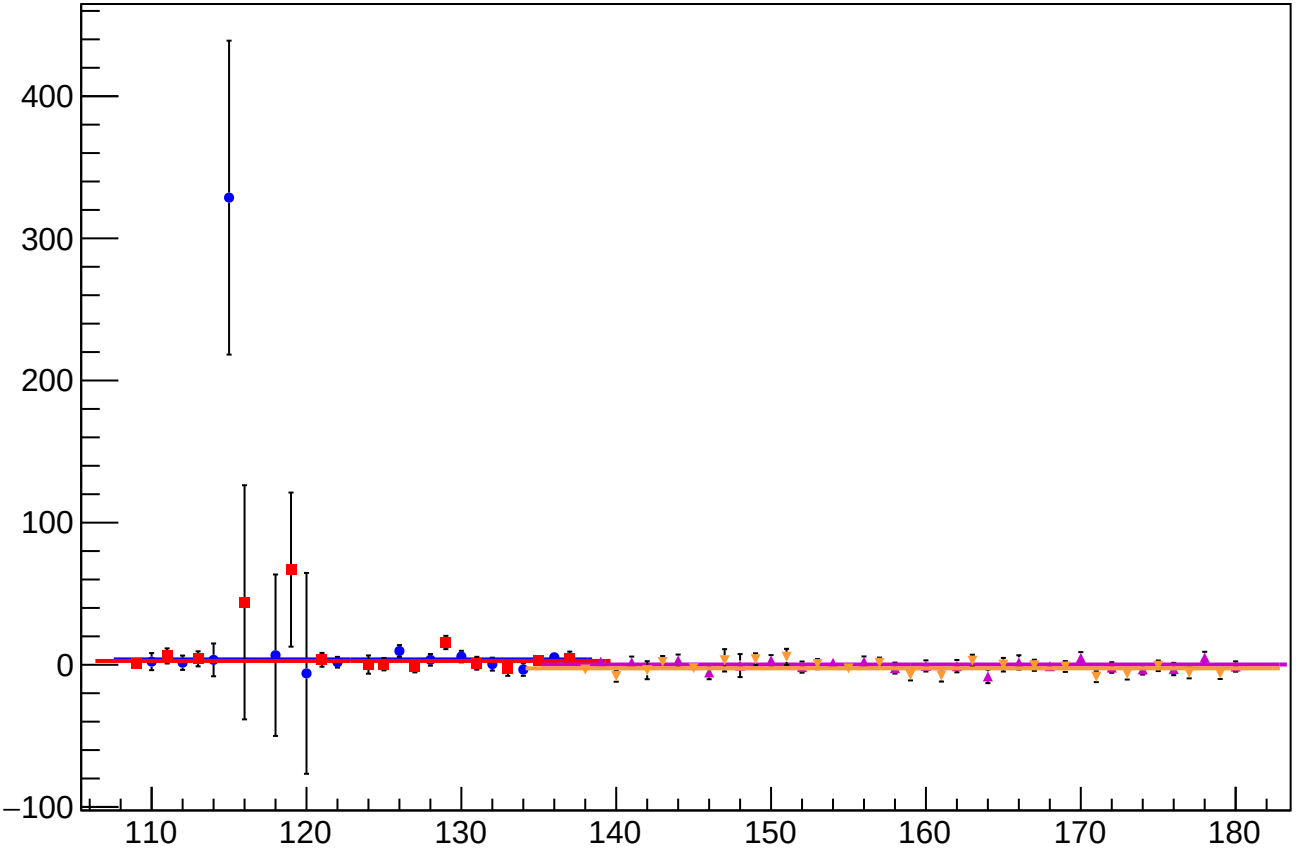
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1079.604+/-0.166 χ^2/NDF:3124648.7/33

Out: 1073.318+/-0.164 χ^2/NDF:2804929.1/35

All: 1076.428+/-0.117 χ^2/NDF: 5930304.2/69

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.517+/-0.819 χ^2/NDF:20.2/21

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.197+/-0.831 χ^2/NDF:12.6/20

Left: -1.180+/-0.583 χ^2/NDF: 38.2/42

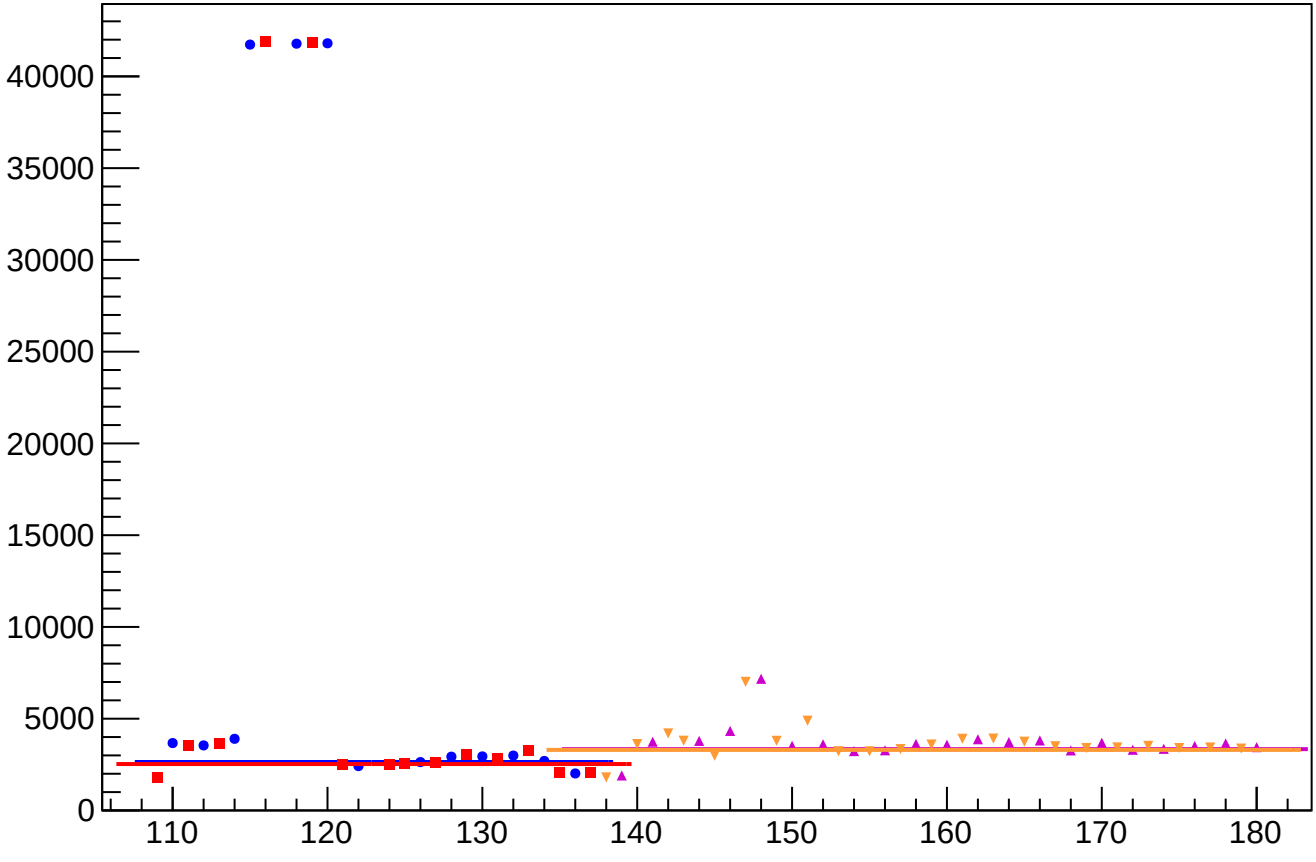
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.297+/-0.692 χ^2/NDF:33.4/33

Out: -0.876+/-0.678 χ^2/NDF:46.6/35

All: 0.189+/-0.484 χ^2/NDF: 85.1/69

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3300.874+/-0.579 χ^2/NDF:1885835.2/21

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3341.007+/-0.588 χ^2/NDF:1627196.1/20

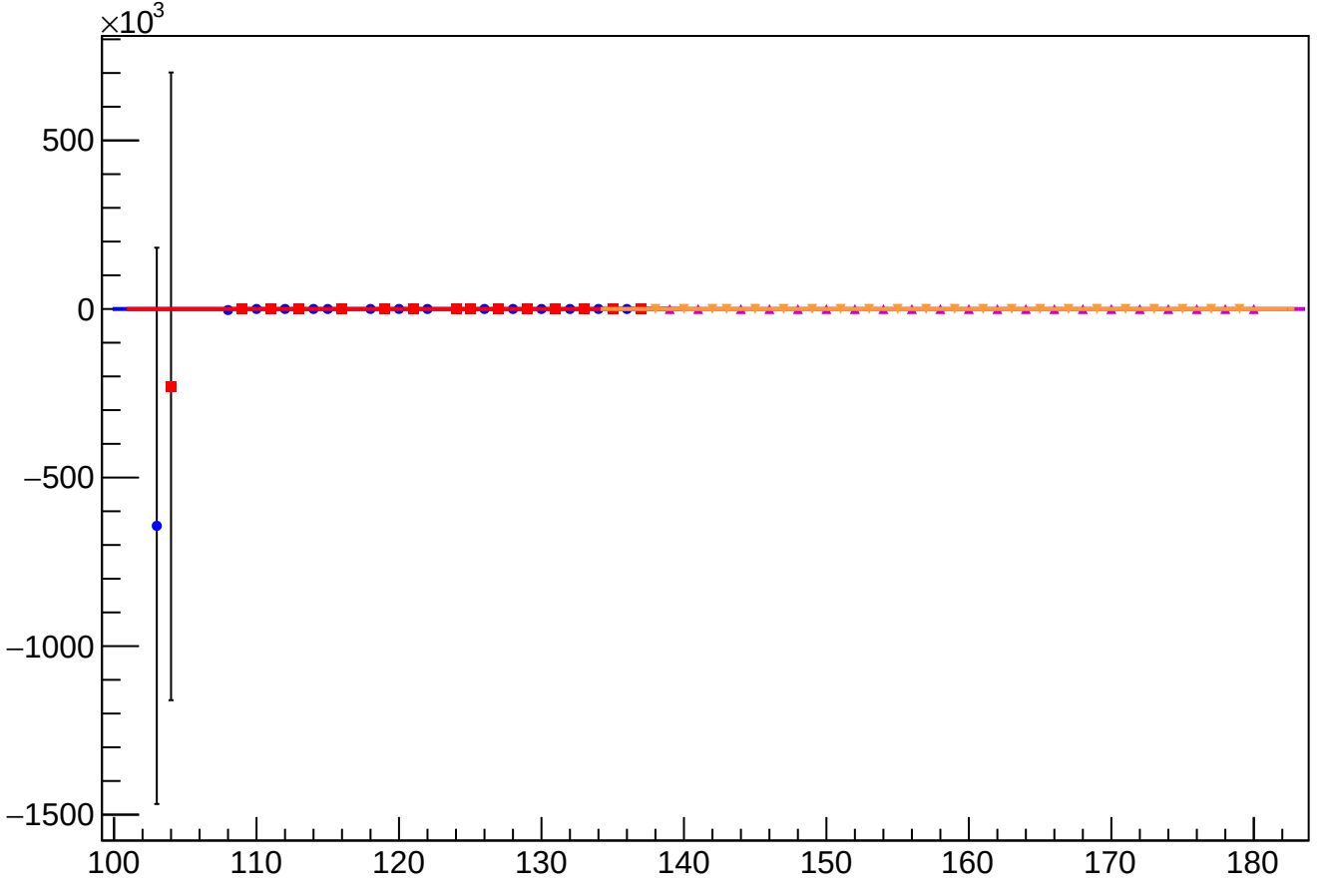
Left: 3320.646+/-0.413 χ^2/NDF: 3515396.8/42

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3125.660+/-0.489 χ^2/NDF:4237621.7/33

Out: 3058.585+/-0.480 χ^2/NDF:4393273.4/35

All: 3091.466+/-0.343 χ^2/NDF: 8640478.0/69



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.719+/-0.382 χ^2/NDF:46.6/21

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.077+/-0.386 χ^2/NDF:26.0/20

Left: -0.831+/-0.271 χ^2/NDF: 83.5/42

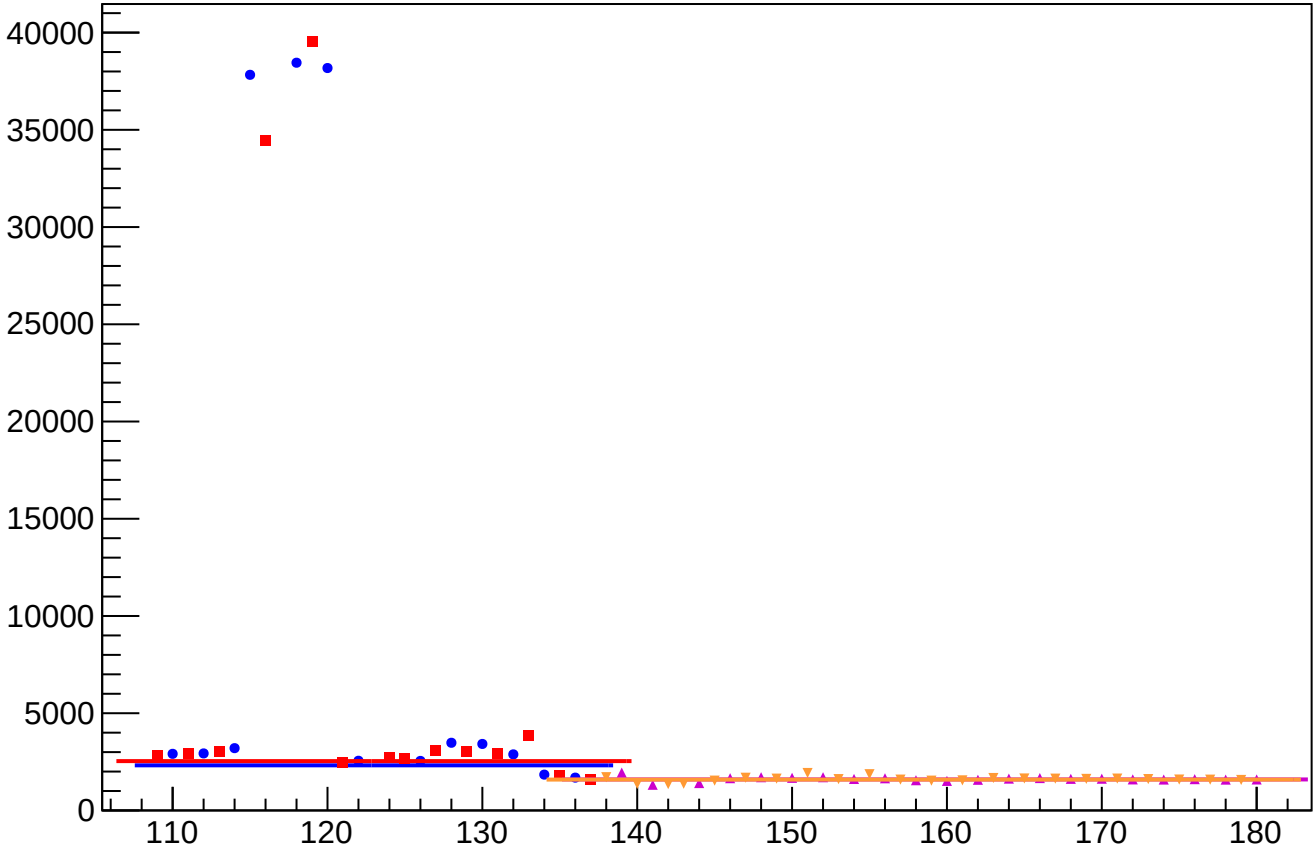
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.059+/-0.365 χ^2/NDF:45.9/35

Out: -1.323+/-0.364 χ^2/NDF:73.0/36

All: -0.693+/-0.258 χ^2/NDF: 124.9/72

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.494+/-0.270 χ^2/NDF:230683.8/21

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.777+/-0.273 χ^2/NDF:196226.1/20

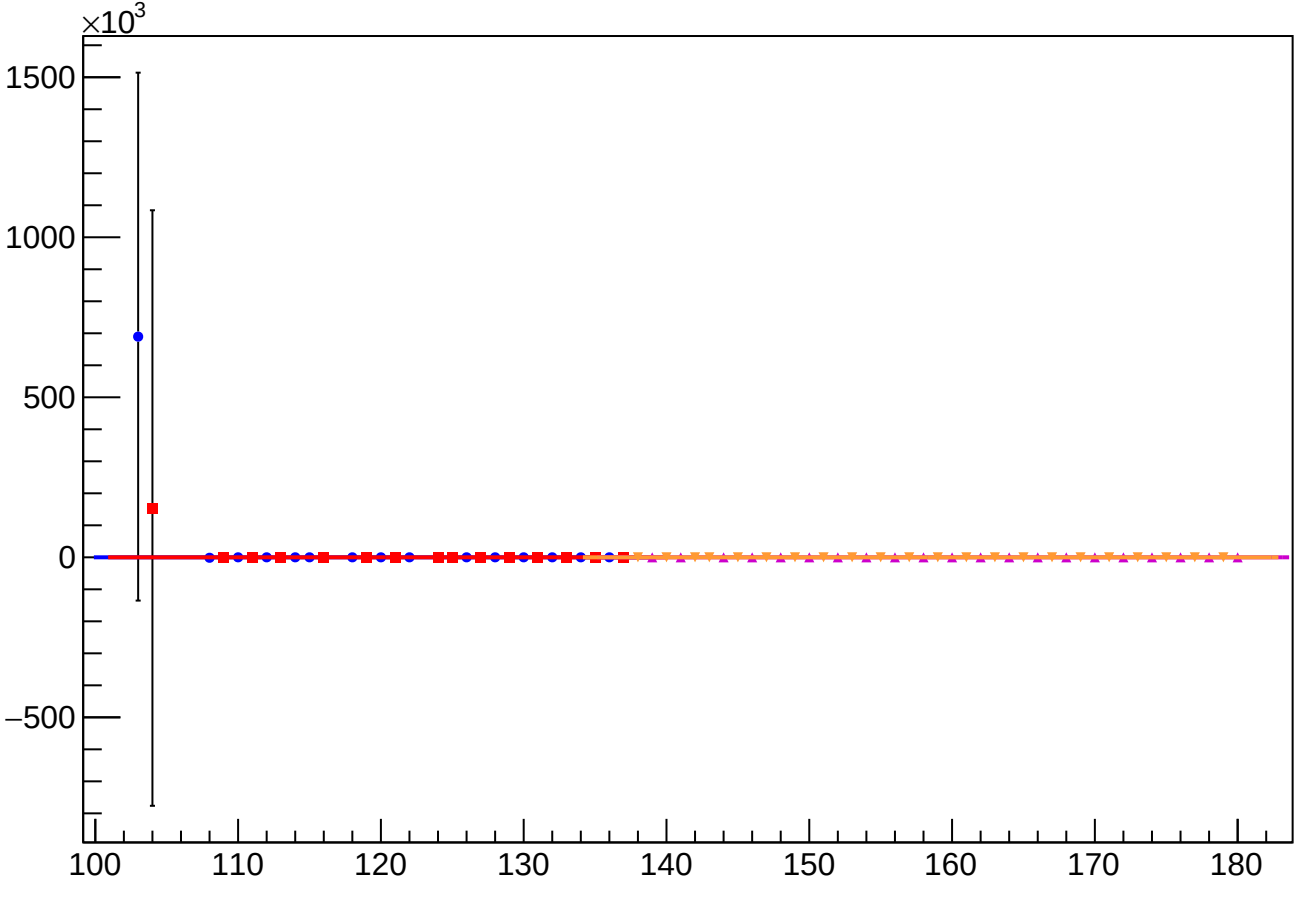
Left: 1591.096+/-0.192 χ^2/NDF: 427270.1/42

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1671.118+/-0.258 χ^2/NDF:3401917.9/33

Out: 1673.341+/-0.257 χ^2/NDF:3388478.5/35

All: 1672.232+/-0.182 χ^2/NDF: 6790433.6/69



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.196+/-0.528 χ^2/NDF:22.0/21

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.108+/-0.515 χ^2/NDF:16.4/20

Left: -0.638+/-0.369 χ^2/NDF: 40.6/42

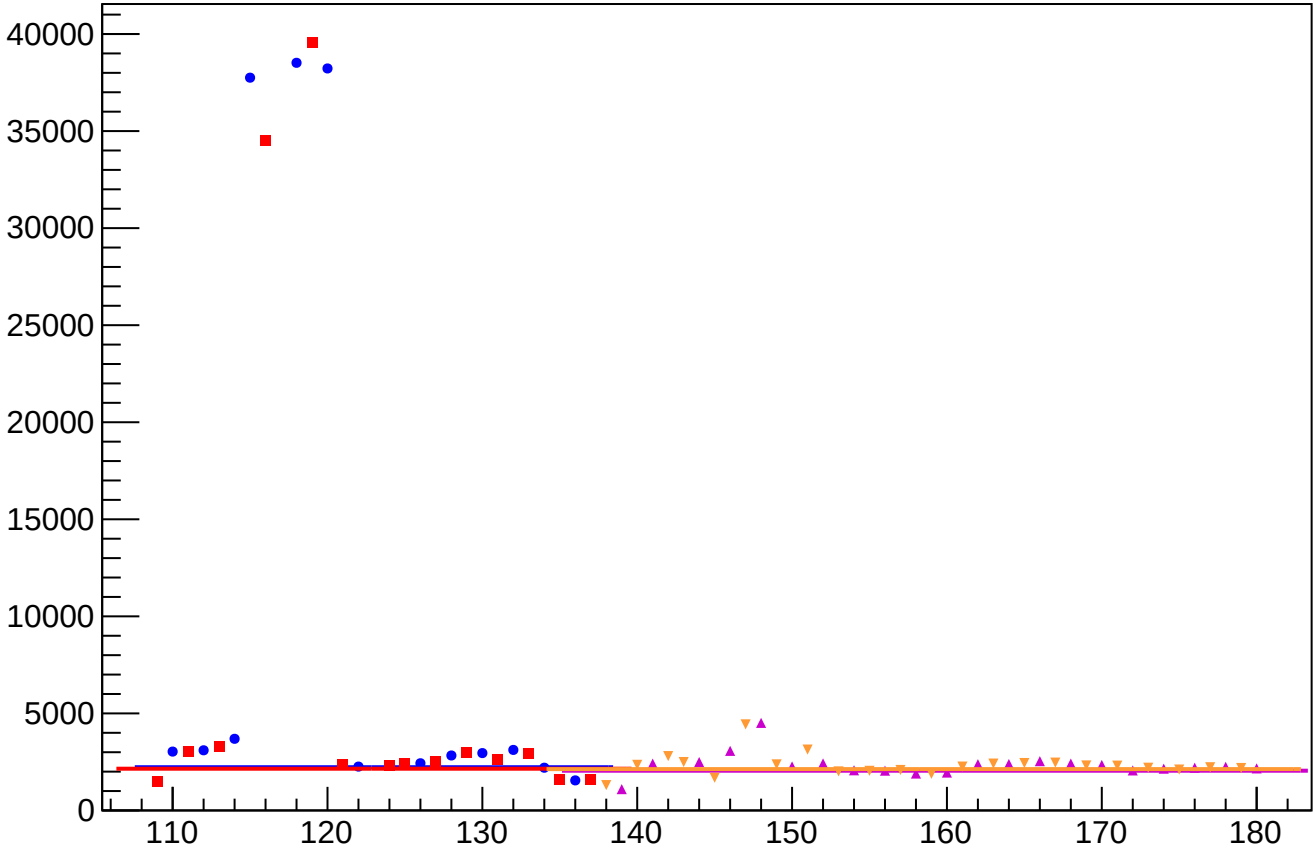
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.231+/-0.465 χ^2/NDF:23.7/35

Out: -0.573+/-0.472 χ^2/NDF:44.2/36

All: -0.165+/-0.331 χ^2/NDF: 69.4/72

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2130.173+/-0.374 χ^2/NDF:1472173.1/21

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2047.770+/-0.364 χ^2/NDF:2278397.1/20

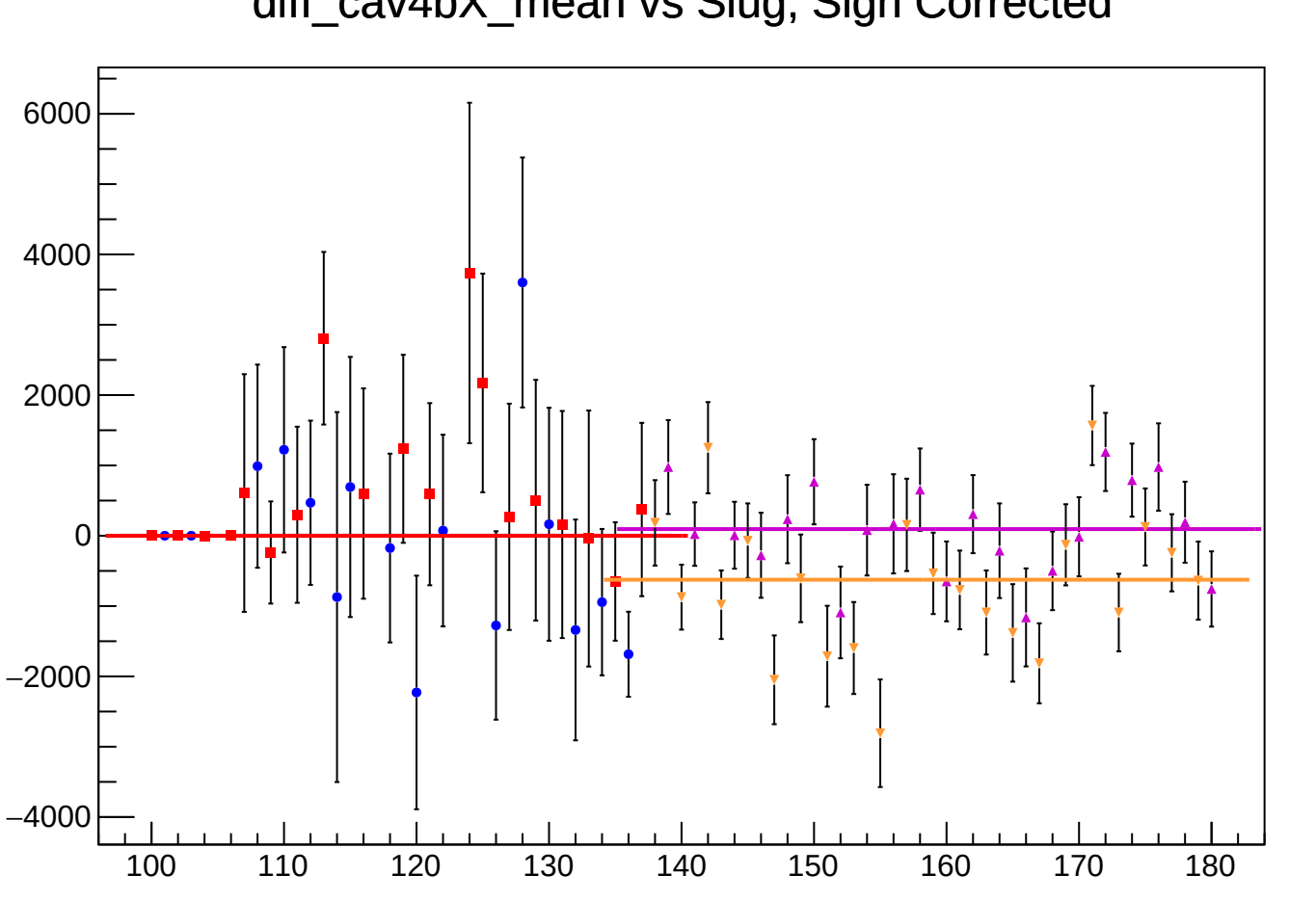
Left: 2087.944+/-0.261 χ^2/NDF: 3775493.5/42

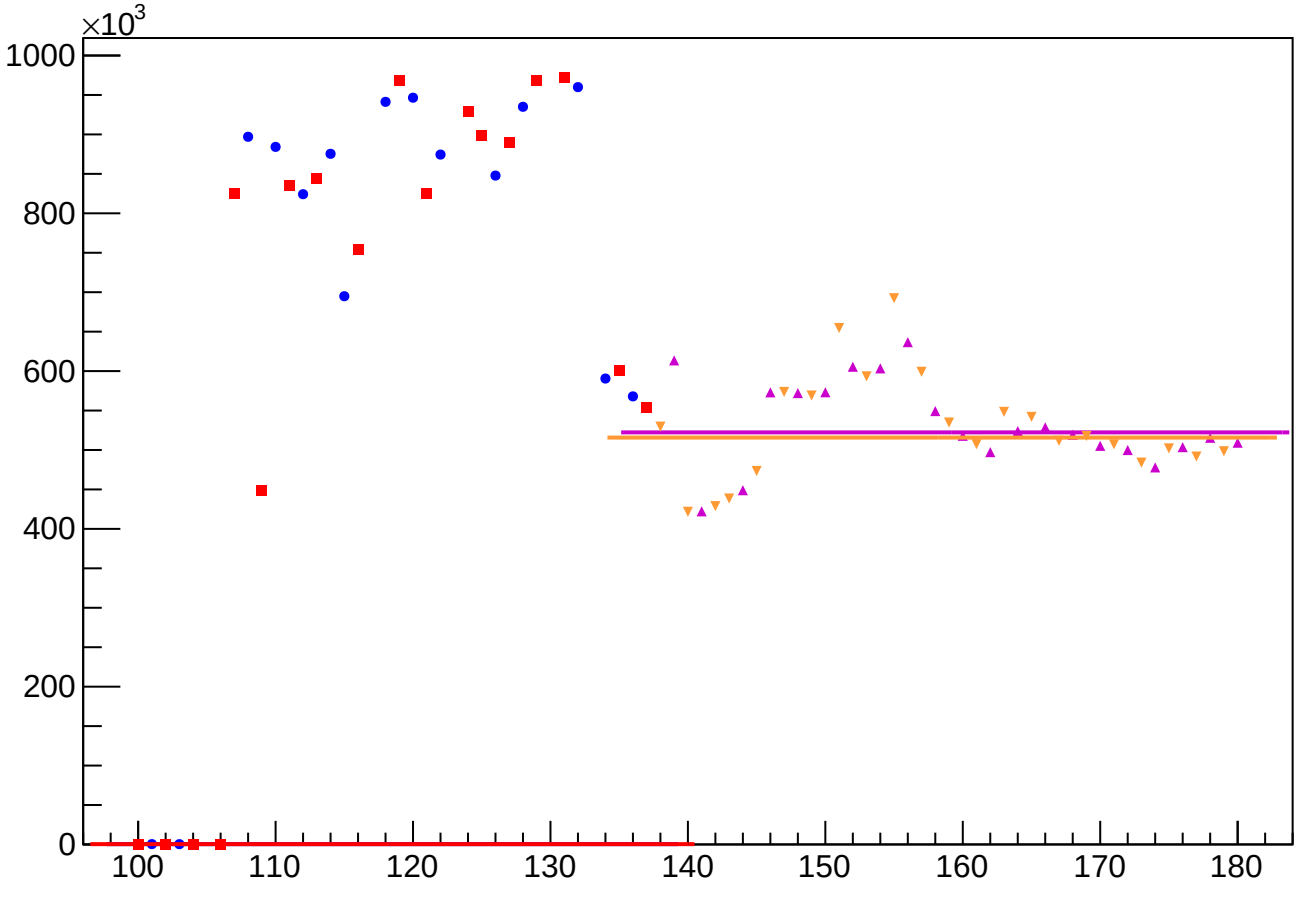
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2081.189+/-0.329 χ^2/NDF:4845764.7/33

Out: 2134.339+/-0.334 χ^2/NDF:3704111.8/35

All: 2107.349+/-0.234 χ^2/NDF: 8562744.5/69


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -625.452+/-124.578 χ²/NDF:56.4/21
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 94.512+/-126.697 χ²/NDF:24.5/20
Left: -271.541+/-88.829 χ²/NDF: 97.3/42
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:42.8/36
Out: -0.100+/-0.328 χ²/NDF:97.1/40
All: 0.063+/-0.241 χ²/NDF: 140.4/77



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 515725.601+/-88.090 χ^2/NDF:482200.1/21

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 522319.571+/-89.588 χ^2/NDF:372590.3/20

Left: 518966.981+/-62.812 χ^2/NDF: 857544.8/42

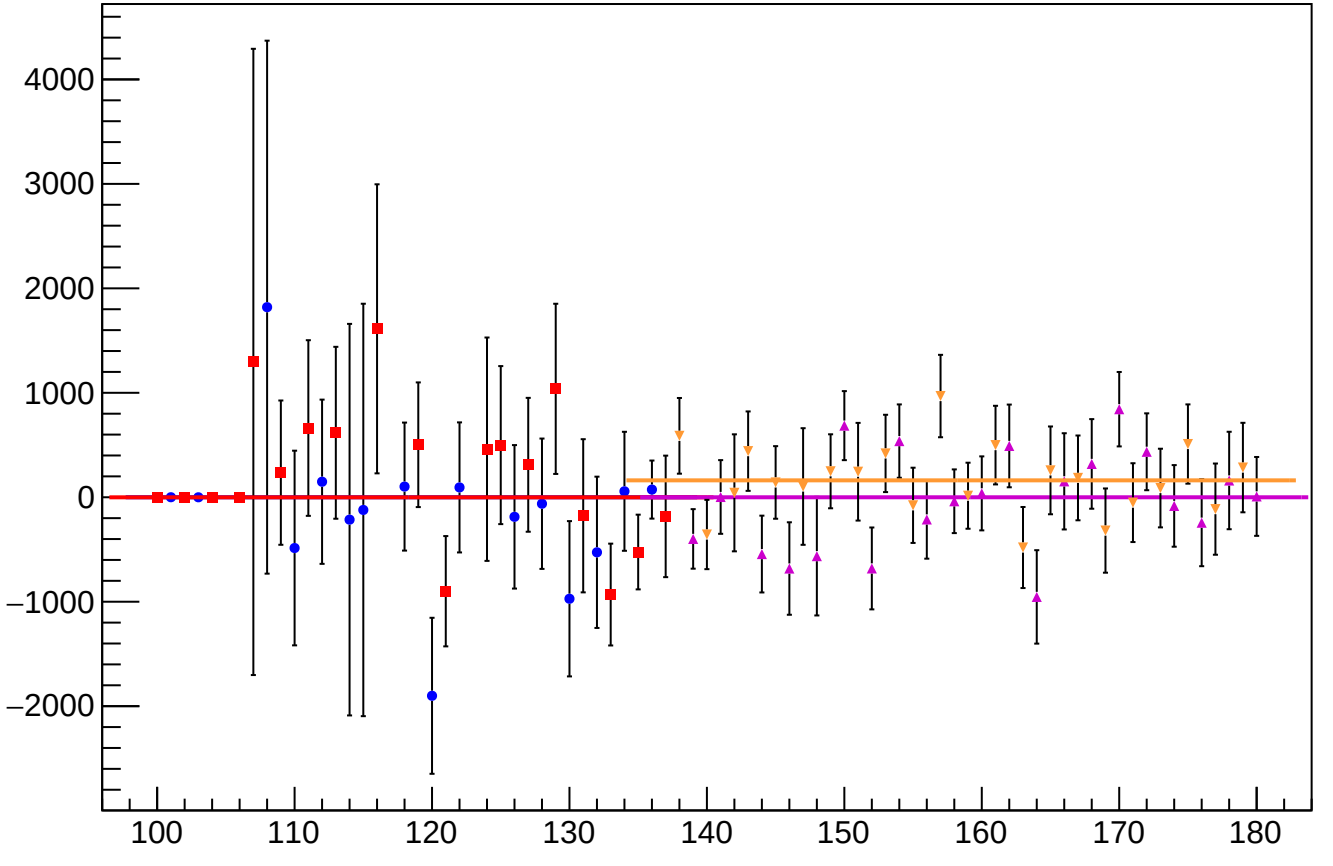
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.994+/-0.251 χ^2/NDF:42803886.6/35

Out: 396.807+/-0.232 χ^2/NDF:42354078.1/39

All: 399.649+/-0.170 χ^2/NDF: 85158292.0/75

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 161.931+/-82.871 χ^2/NDF:16.6/21

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -0.150+/-82.683 χ^2/NDF:31.8/20

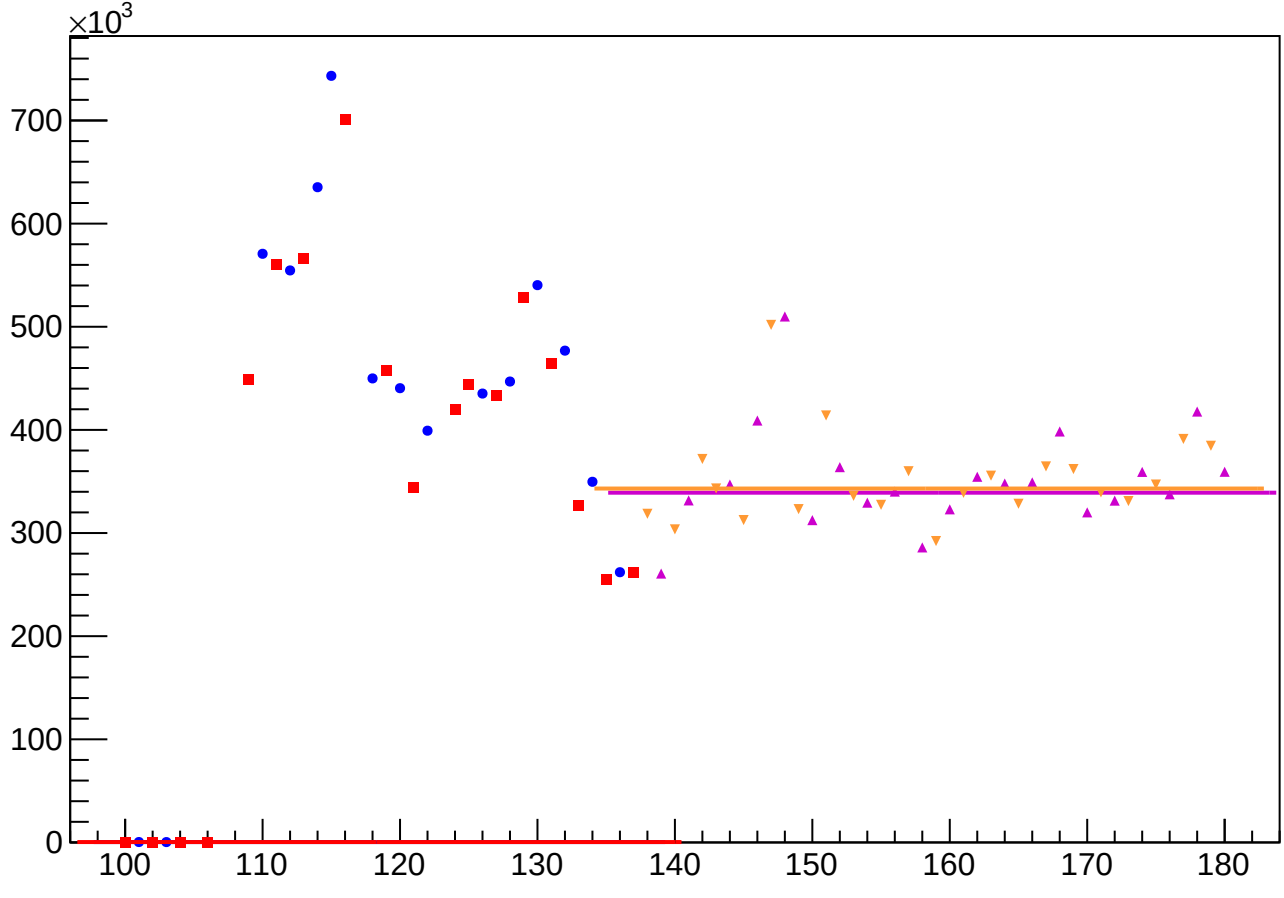
Left: 80.706+/-58.532 χ^2/NDF: 50.3/42

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:42.3/36

Out: -0.596+/-0.324 χ^2/NDF:35.4/40

All: -0.328+/-0.237 χ^2/NDF: 79.1/77



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 343150.765+/-58.599 χ^2/NDF:392545.6/21

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 339116.131+/-58.469 χ^2/NDF:588844.4/20

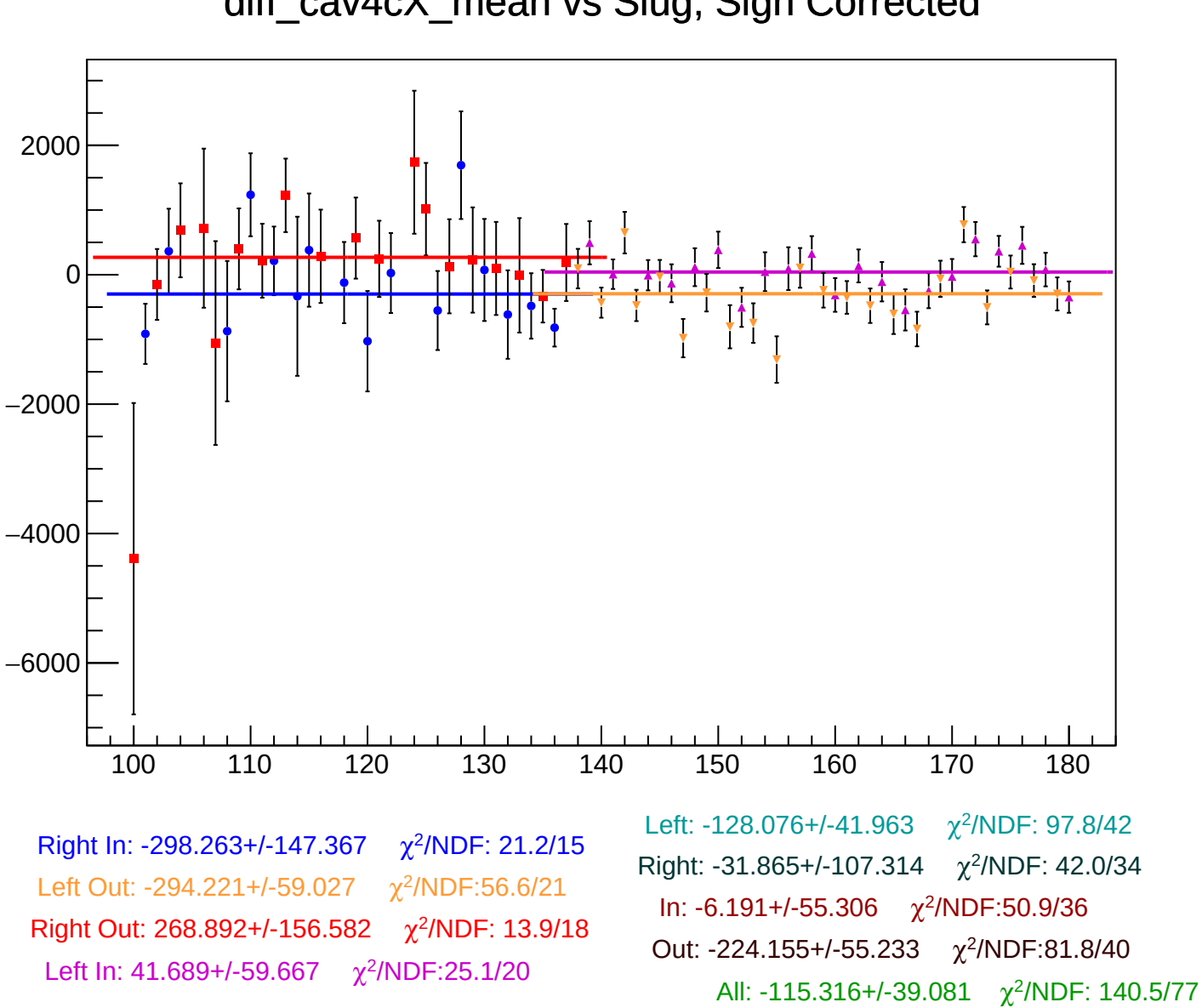
Left: 341128.969+/-41.390 χ^2/NDF: 983765.6/42

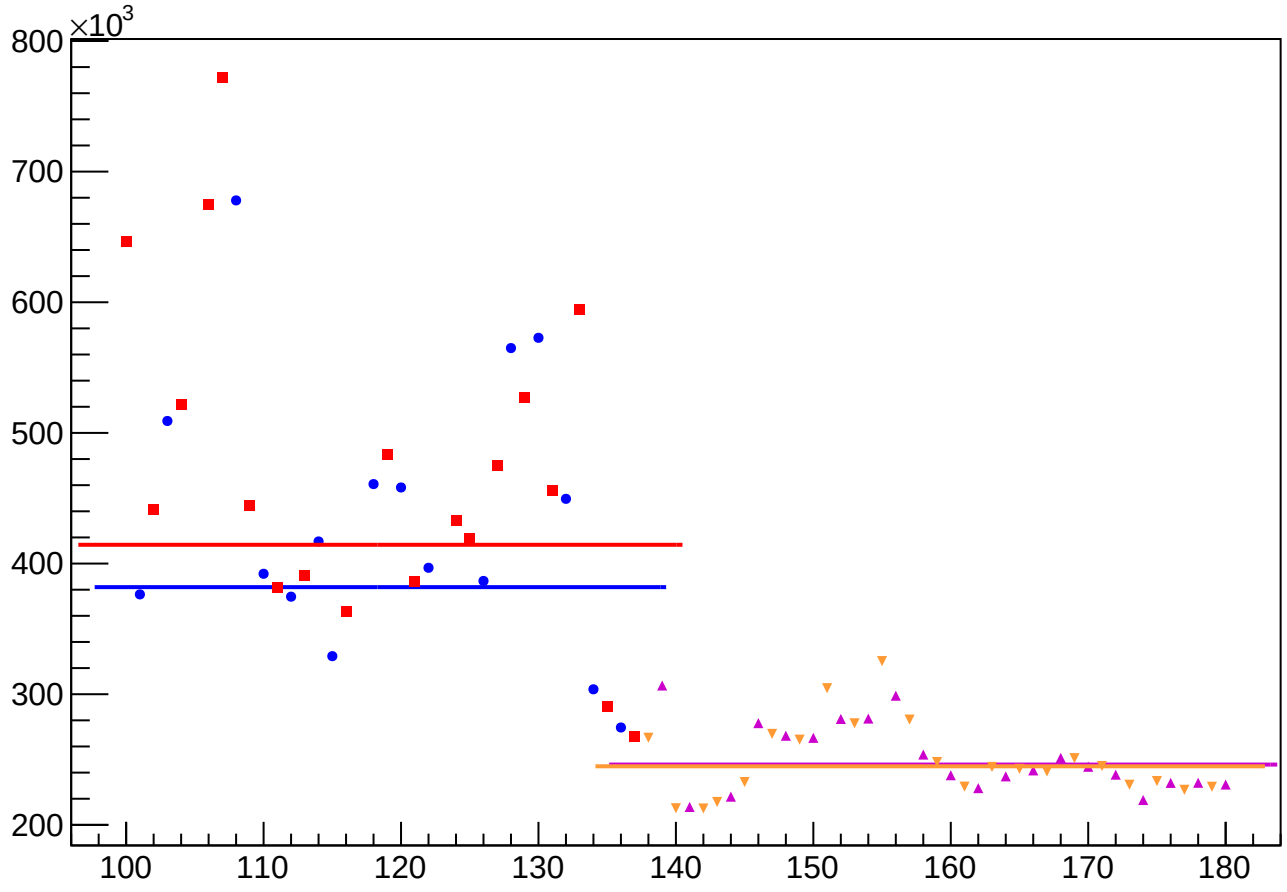
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 396.245+/-0.245 χ^2/NDF:45282607.1/35

Out: 393.217+/-0.229 χ^2/NDF:45680922.5/39

All: 394.626+/-0.167 χ^2/NDF: 90963611.0/75


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -294.221+/-59.027 χ²/NDF:56.6/21
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 41.689+/-59.667 χ²/NDF:25.1/20
Left: -128.076+/-41.963 χ²/NDF: 97.8/42
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -6.191+/-55.306 χ²/NDF:50.9/36
Out: -224.155+/-55.233 χ²/NDF:81.8/40
All: -115.316+/-39.081 χ²/NDF: 140.5/77



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 244830.299+/-41.739 χ^2/NDF:373477.4/21

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 246159.032+/-42.191 χ^2/NDF:340949.8/20

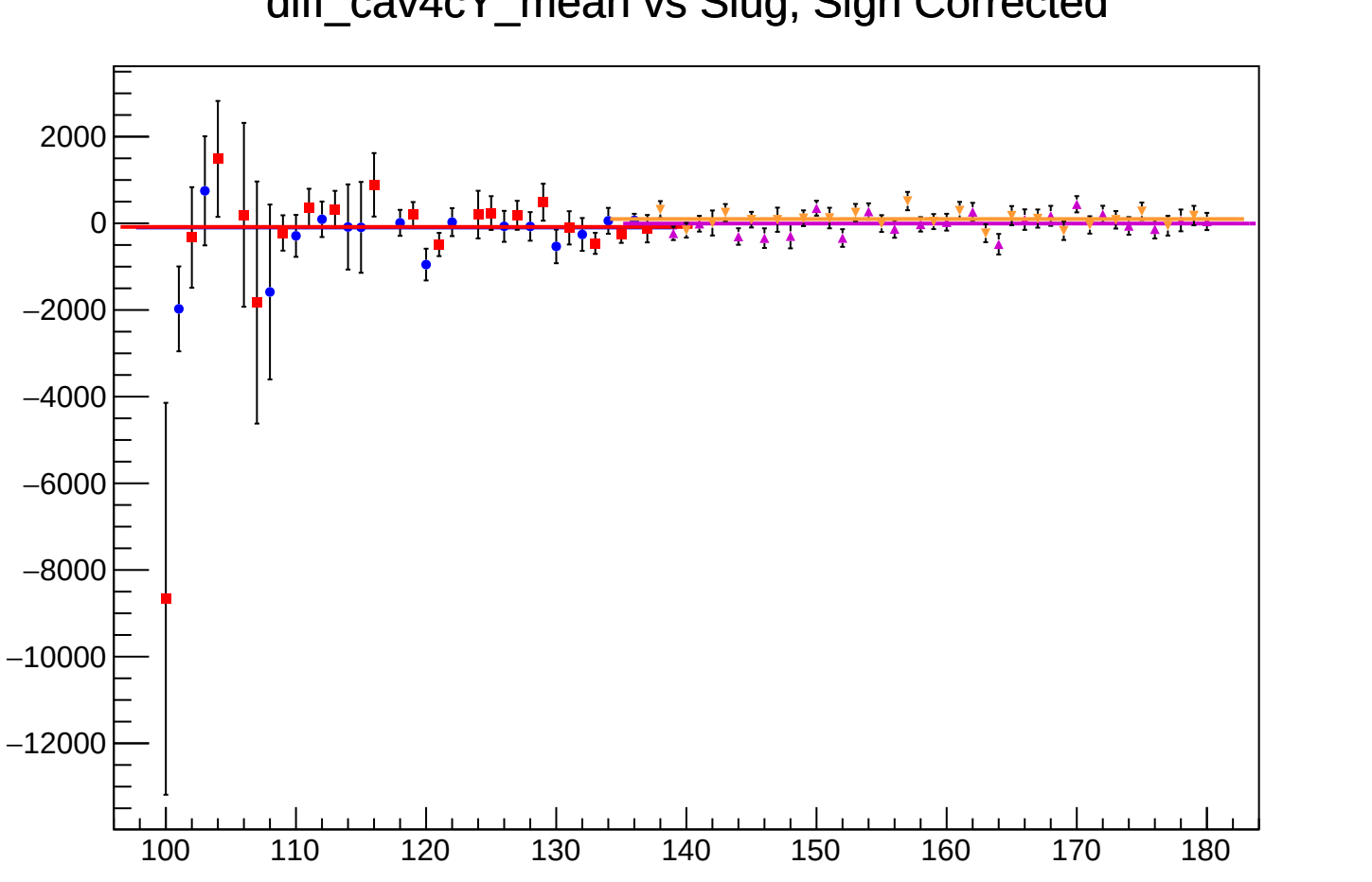
Left: 245487.505+/-29.672 χ^2/NDF: 714928.5/42

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 265279.874+/-39.108 χ^2/NDF:2636121.3/36

Out: 265917.191+/-39.057 χ^2/NDF:3185806.7/40

All: 265598.949+/-27.635 χ^2/NDF: 5822060.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 99.582+/-43.718 χ^2/NDF:16.0/21

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -5.150+/-43.739 χ^2/NDF:31.2/20

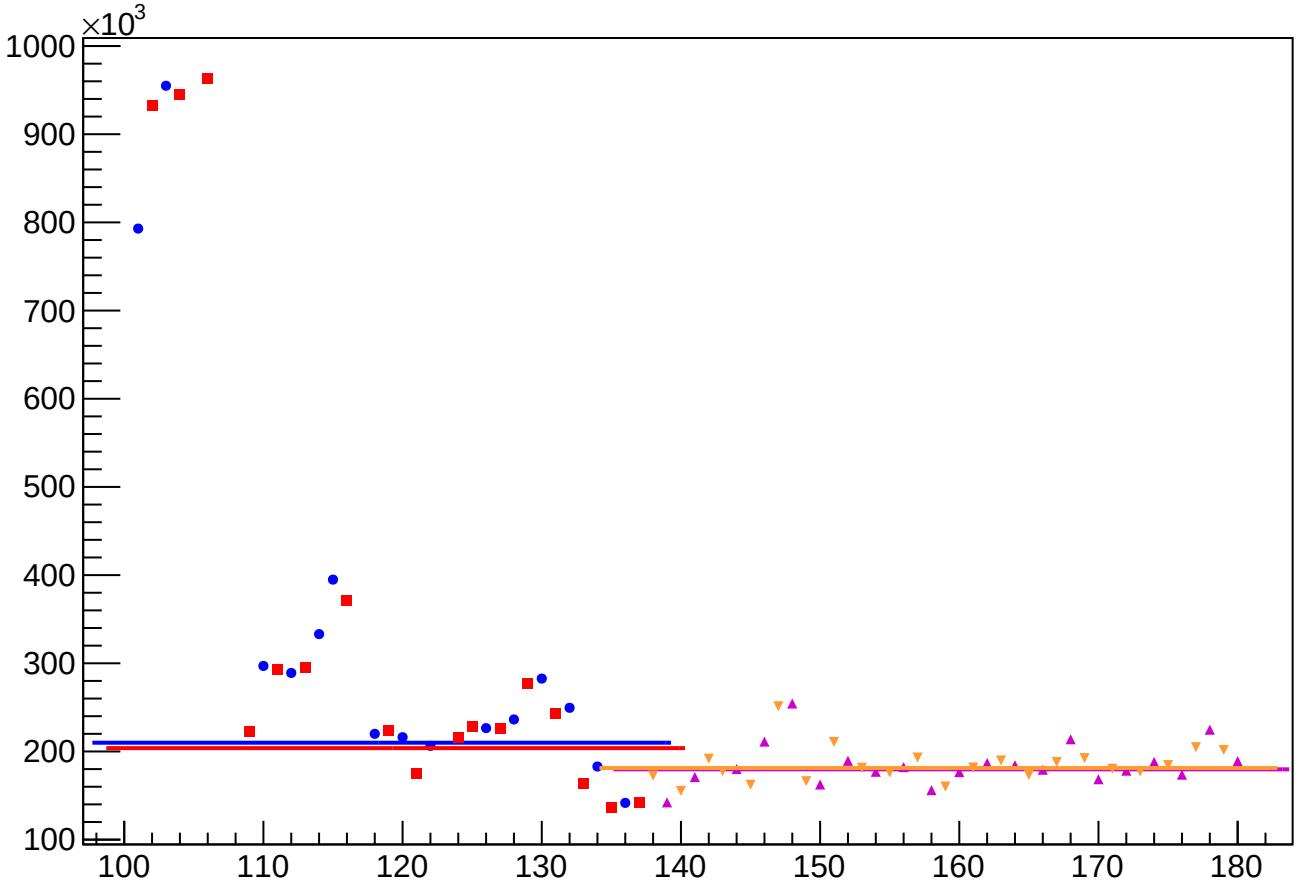
Left: 47.242+/-30.921 χ^2/NDF: 50.1/42

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

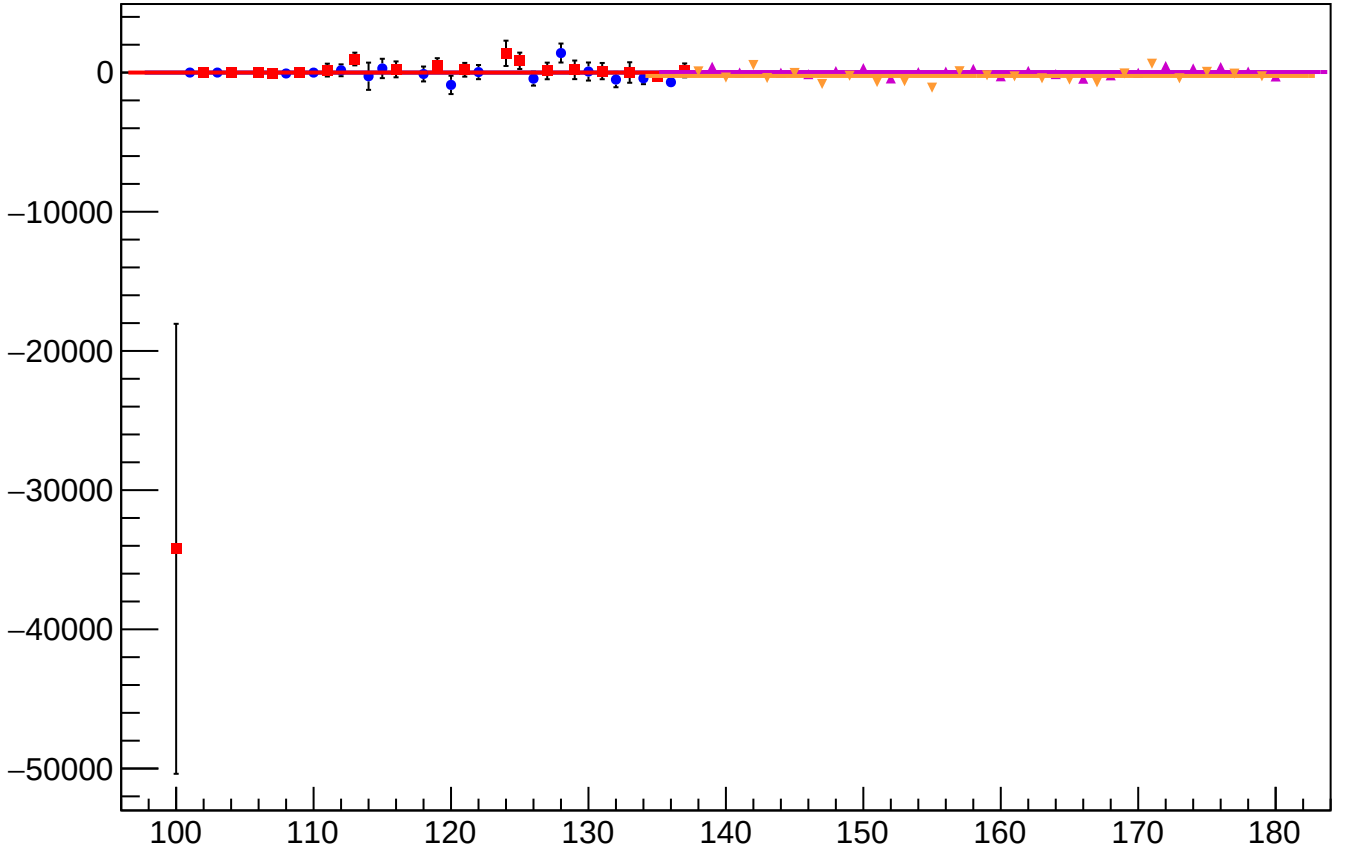
In: -23.031+/-39.191 χ^2/NDF:45.7/36

Out: 63.036+/-39.092 χ^2/NDF:38.6/40

All: 20.112+/-27.677 χ^2/NDF: 86.7/77


diff_cav4cY_rms vs Slug, Sign Corrected
×10^3
1000
900
800
700
600
500
400
300
200
100
100
110
120
130
140
150
160
170
180
Right In: 209929.195+/-62.523 χ²/NDF: 1959897.2/14
Left Out: 181229.517+/-30.913 χ²/NDF:336547.1/21
Right Out: 203793.382+/-61.895 χ²/NDF: 2070478.1/16
Left In: 179737.047+/-30.928 χ²/NDF:492068.7/20
Left: 180483.650+/-21.864 χ²/NDF: 829780.7/42
Right: 206830.314+/-43.987 χ²/NDF: 4035239.4/31
In: 185672.653+/-27.722 χ²/NDF:2639313.0/35
Out: 185734.296+/-27.656 χ²/NDF:2513391.2/38
All: 185703.549+/-19.579 χ²/NDF: 5152706.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -243.529+/-49.369 χ^2/NDF:56.6/21

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 38.830+/-49.931 χ^2/NDF:25.2/20

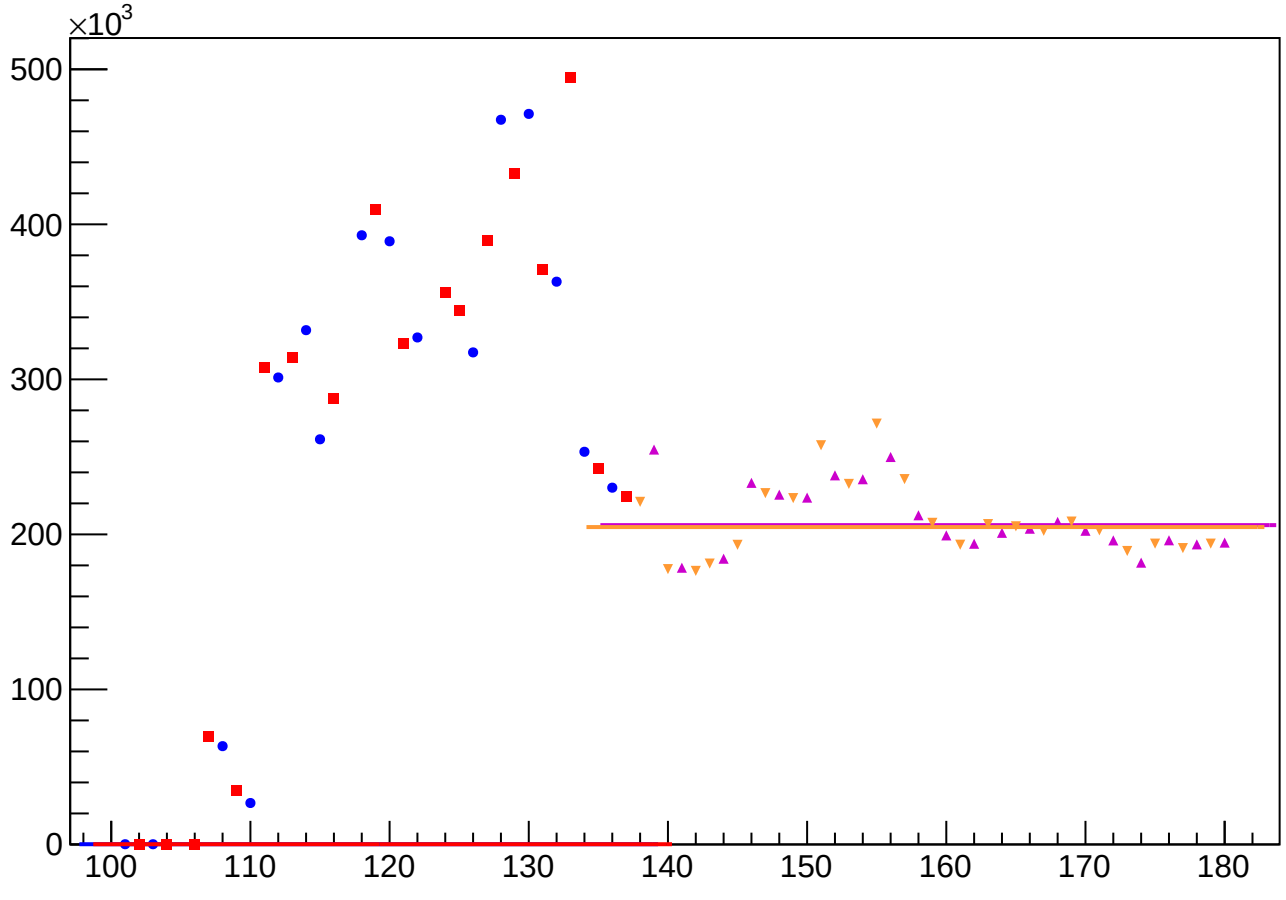
Left: -103.949+/-35.106 χ^2/NDF: 97.9/42

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:43.9/36

Out: 0.353+/-0.160 χ^2/NDF:97.4/40

All: 0.173+/-0.117 χ^2/NDF: 144.0/77



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 204723.177+/-34.909 χ^2/NDF:386426.2/21

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 205974.505+/-35.307 χ^2/NDF:347328.9/20

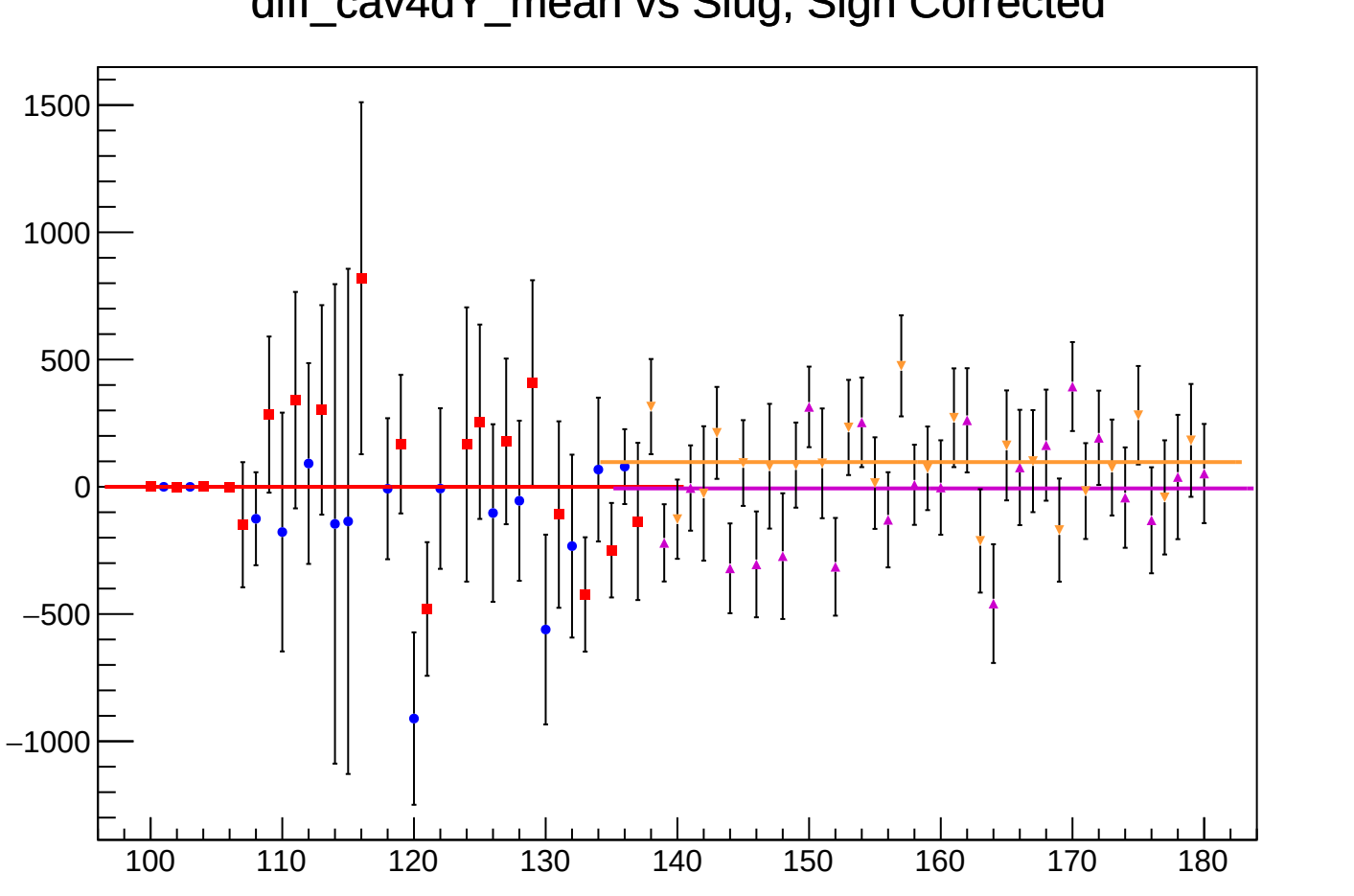
Left: 205341.751+/-24.824 χ^2/NDF: 734390.3/42

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.542+/-0.122 χ^2/NDF:45633253.6/36

Out: 151.531+/-0.113 χ^2/NDF:46016661.2/39

All: 151.536+/-0.083 χ^2/NDF: 91649914.8/76



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 97.096+/-41.151 χ^2/NDF:15.2/21

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -6.401+/-41.372 χ^2/NDF:30.8/20

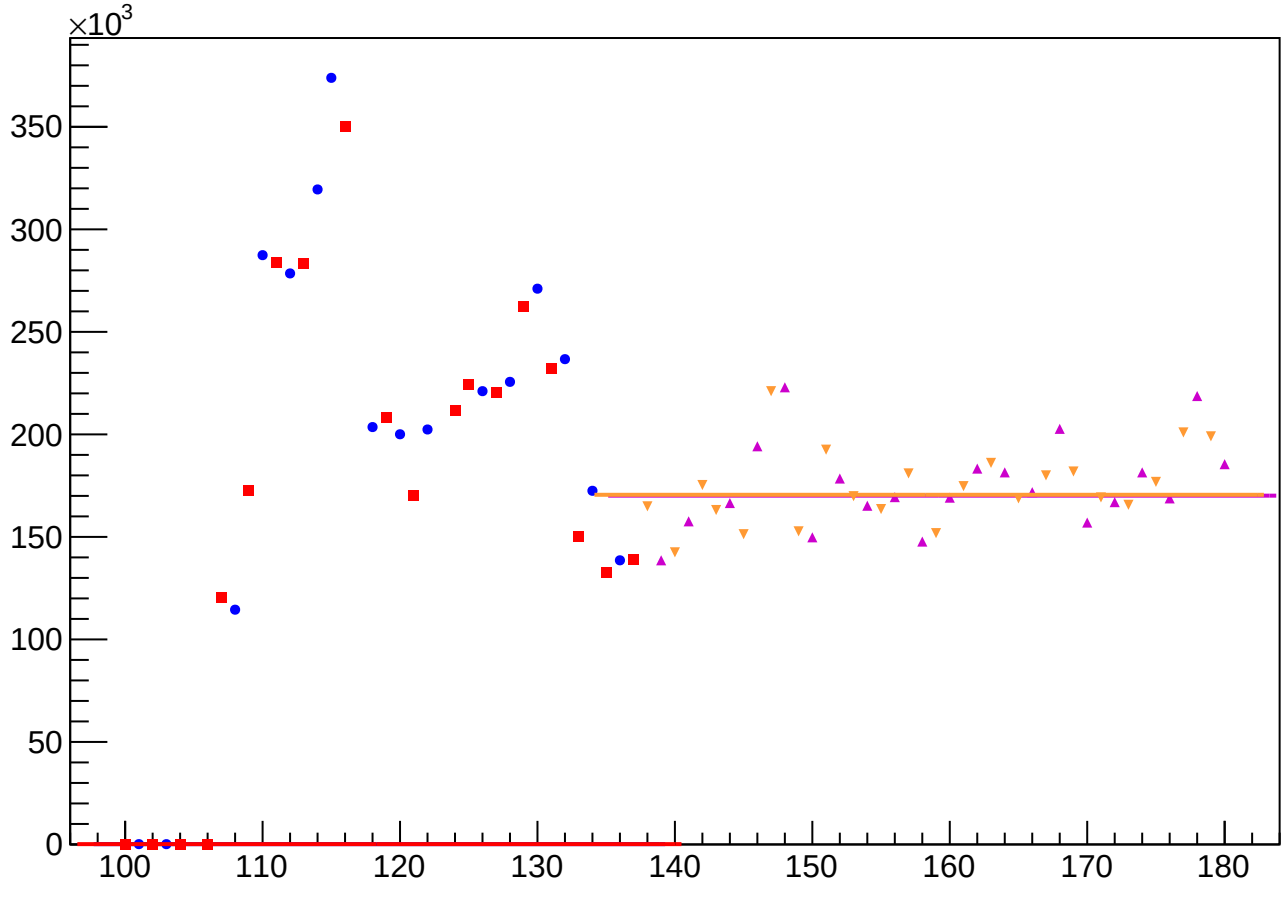
Left: 45.625+/-29.176 χ^2/NDF: 49.2/42

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:42.0/36

Out: -0.124+/-0.166 χ^2/NDF:36.1/40

All: -0.098+/-0.121 χ^2/NDF: 78.1/77



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170541.827+/-29.098 χ^2/NDF:356792.7/21

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 170116.268+/-29.255 χ^2/NDF:463374.5/20

Left: 170330.191+/-20.631 χ^2/NDF: 820273.5/42

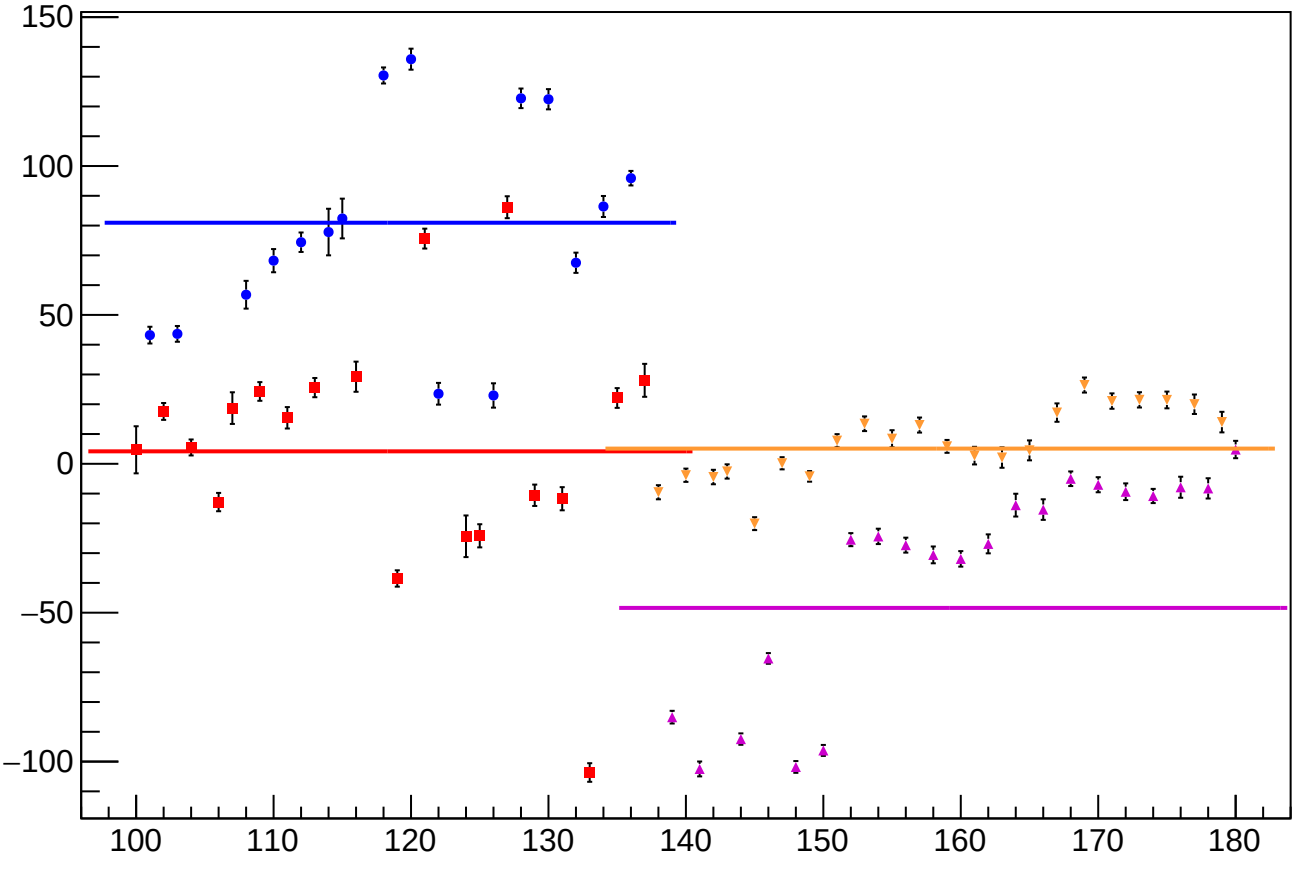
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.579+/-0.125 χ^2/NDF:46121048.3/36

Out: 158.946+/-0.118 χ^2/NDF:45975165.2/40

All: 157.837+/-0.086 χ^2/NDF: 92096403.0/77

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.104+/-0.534 χ^2/NDF:500.1/21

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -48.395+/-0.537 χ^2/NDF:4976.0/20

Left: -21.485+/-0.379 χ^2/NDF: 10462.5/42

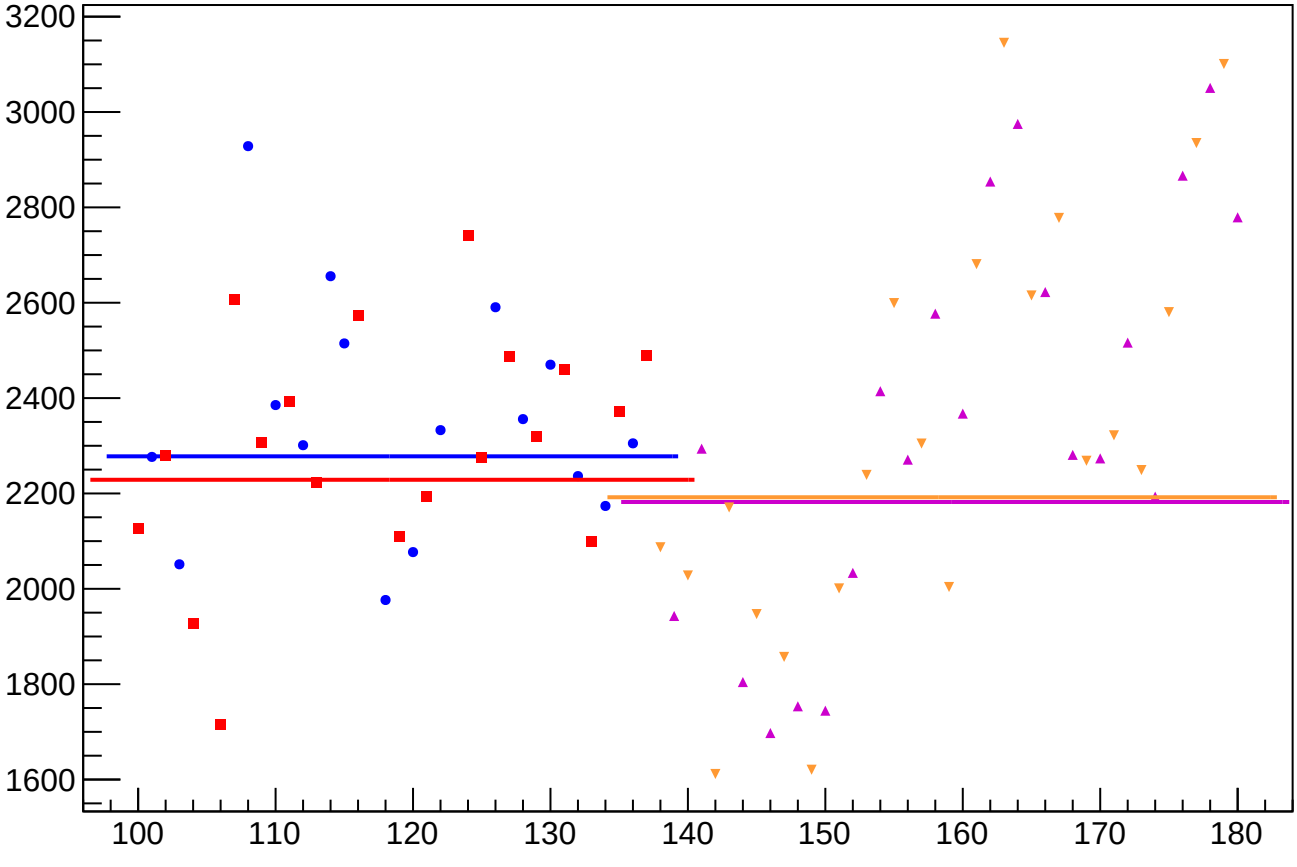
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.554+/-0.454 χ^2/NDF:23295.5/36

Out: 4.830+/-0.448 χ^2/NDF:3220.7/40

All: -3.238+/-0.319 χ^2/NDF: 27176.1/77

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2192.038+/-0.378 χ^2/NDF:1090117.3/21

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2182.076+/-0.380 χ^2/NDF:1067833.5/20

Left: 2187.086+/-0.268 χ^2/NDF: 2158296.5/42

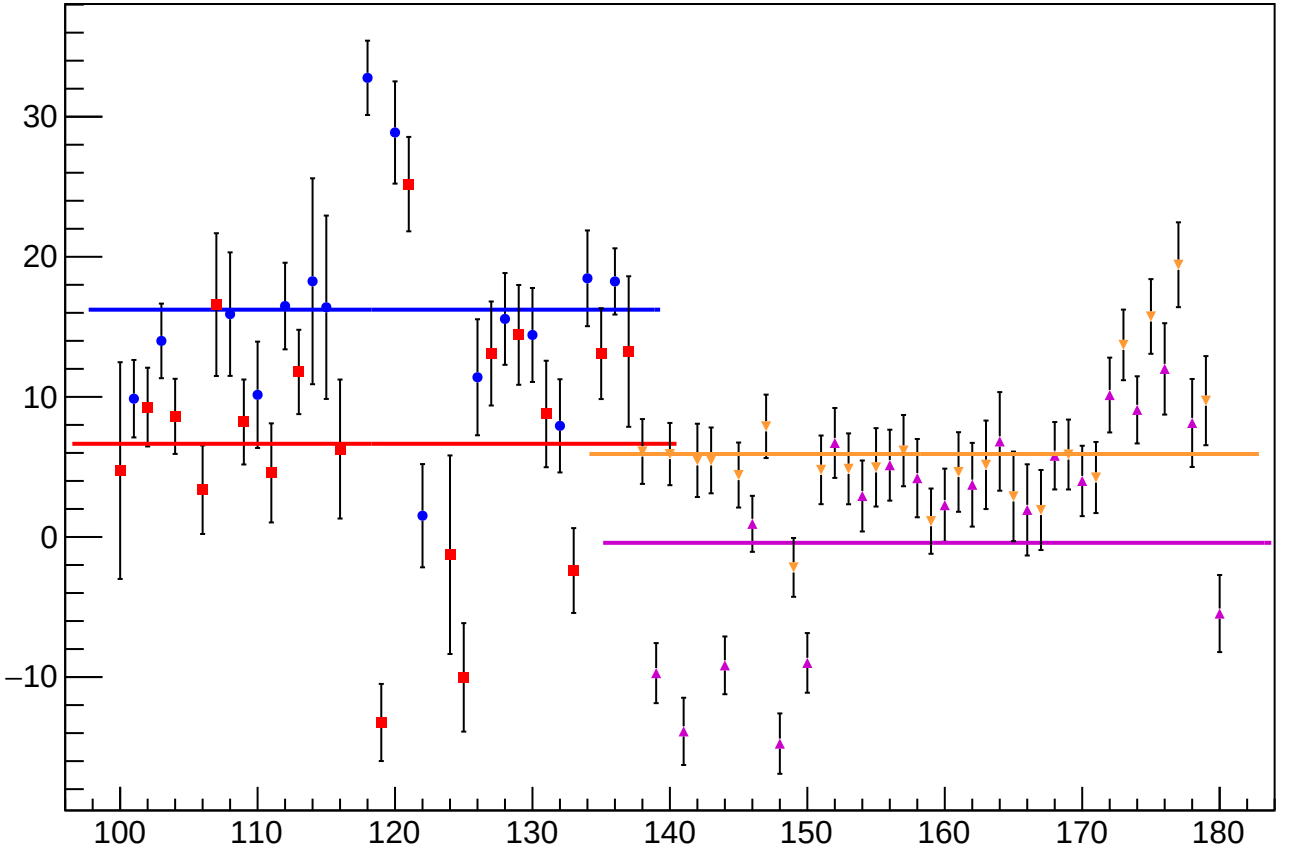
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2209.358+/-0.321 χ^2/NDF:1201709.0/36

Out: 2202.953+/-0.316 χ^2/NDF:1244057.8/40

All: 2206.107+/-0.225 χ^2/NDF: 2445968.5/77

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.923+/-0.544 χ^2/NDF:68.9/21

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.417+/-0.549 χ^2/NDF:220.7/20

Left: 2.782+/-0.386 χ^2/NDF: 356.9/42

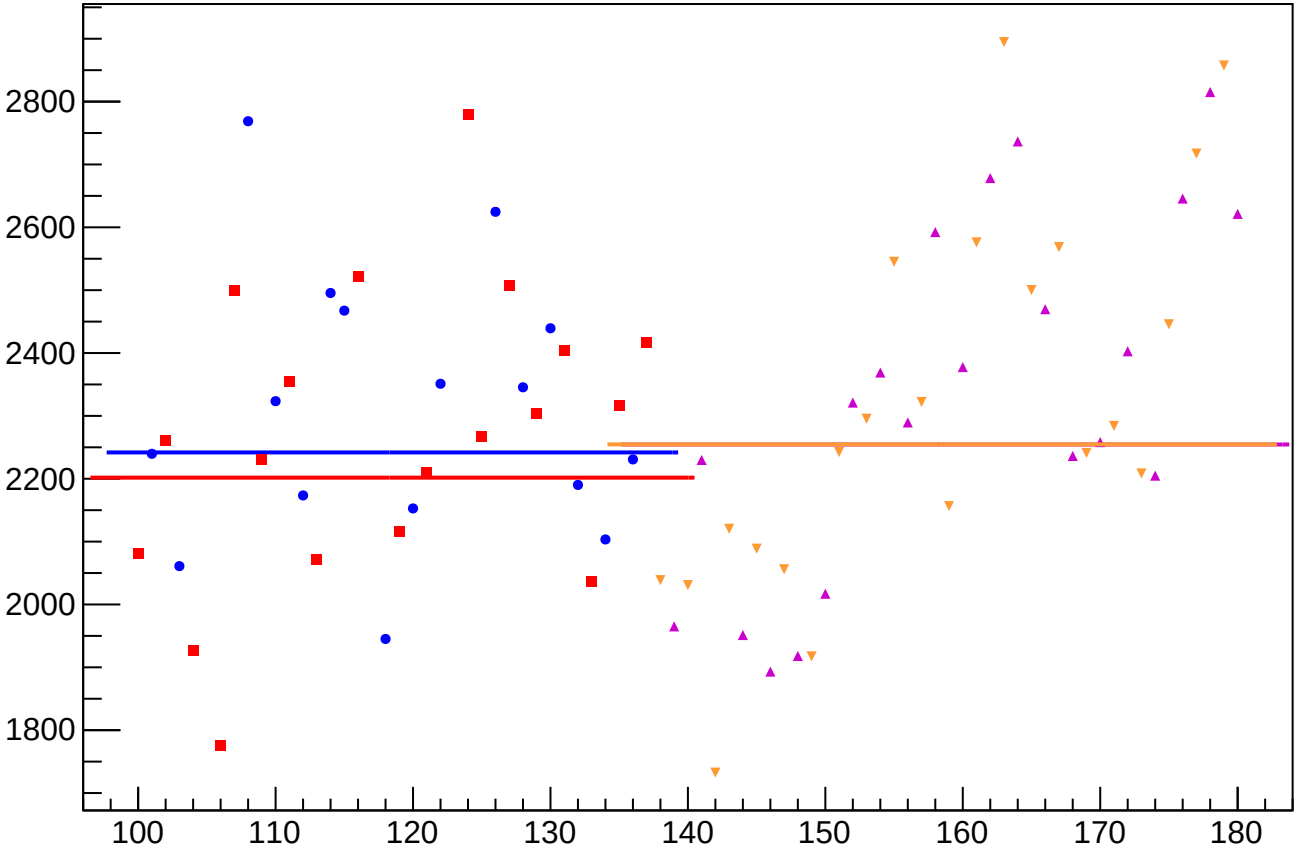
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.581+/-0.459 χ^2/NDF:581.5/36

Out: 6.150+/-0.451 χ^2/NDF:204.0/40

All: 5.379+/-0.322 χ^2/NDF: 791.4/77

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2254.633+/-0.385 χ^2/NDF:501770.1/21

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2254.488+/-0.388 χ^2/NDF:480259.5/20

Left: 2254.561+/-0.273 χ^2/NDF: 982029.6/42

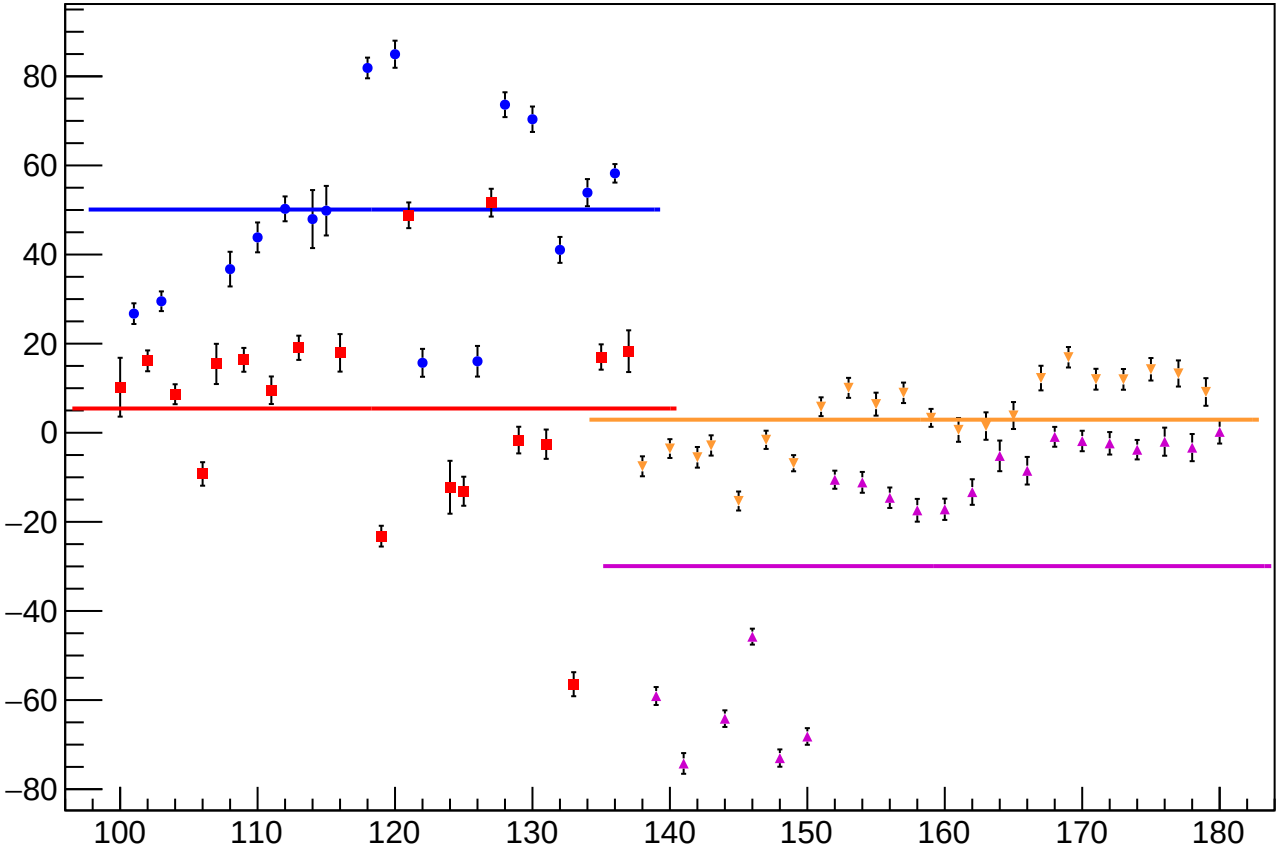
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2250.694+/-0.325 χ^2/NDF:582838.6/36

Out: 2238.176+/-0.319 χ^2/NDF:637538.0/40

All: 2244.330+/-0.228 χ^2/NDF: 1221132.7/77

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.935+/-0.500 χ^2/NDF:295.4/21

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -29.933+/-0.503 χ^2/NDF:3151.4/20

Left: -13.398+/-0.355 χ^2/NDF: 5591.5/42

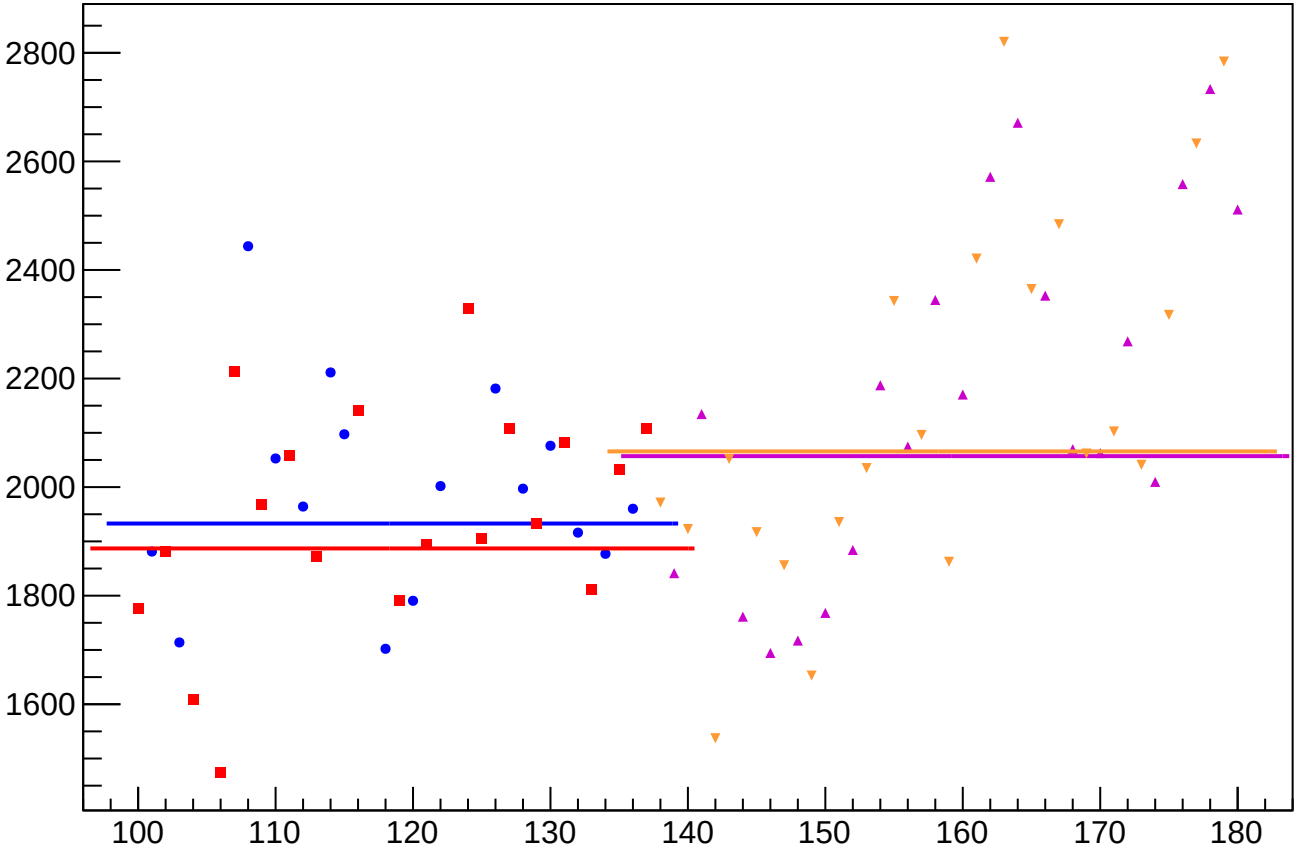
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.760+/-0.413 χ^2/NDF:12306.7/36

Out: 3.793+/-0.406 χ^2/NDF:1615.5/40

All: 0.082+/-0.289 χ^2/NDF: 14092.4/77

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2065.761+/-0.354 χ^2/NDF:726541.8/21

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2057.047+/-0.356 χ^2/NDF:686860.0/20

Left: 2061.431+/-0.251 χ^2/NDF: 1413703.3/42

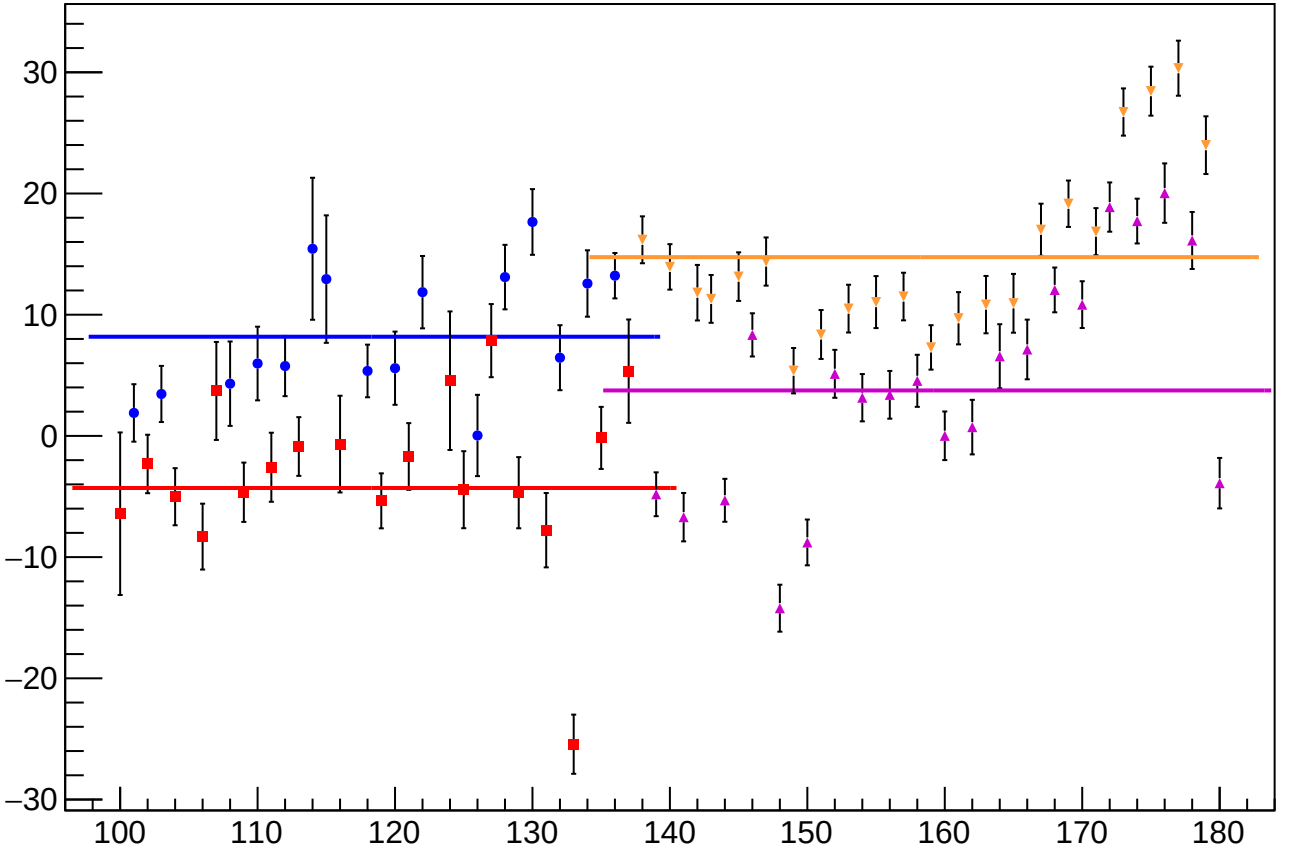
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2016.450+/-0.292 χ^2/NDF:832606.0/36

Out: 2004.662+/-0.287 χ^2/NDF:963555.3/40

All: 2010.454+/-0.205 χ^2/NDF: 1796990.1/77

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.749+/-0.436 χ^2/NDF:232.1/21

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 3.751+/-0.440 χ^2/NDF:453.2/20

Left: 9.304+/-0.310 χ^2/NDF: 1000.3/42

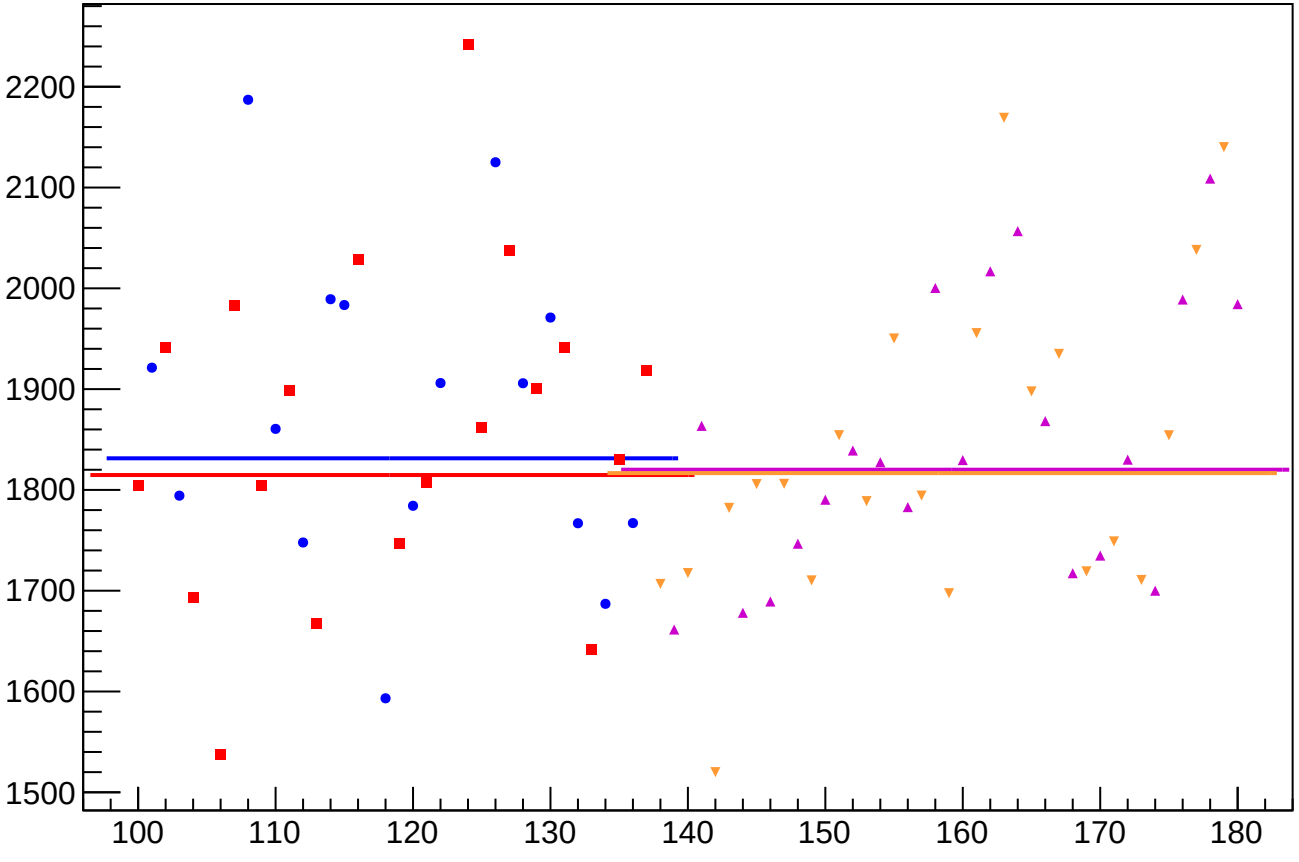
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.051+/-0.370 χ^2/NDF:534.9/36

Out: 9.028+/-0.365 χ^2/NDF:919.1/40

All: 7.069+/-0.260 χ^2/NDF: 1512.5/77

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1816.678+/-0.308 χ^2/NDF:201438.6/21

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1820.058+/-0.311 χ^2/NDF:161101.8/20

Left: 1818.351+/-0.219 χ^2/NDF: 362599.9/42

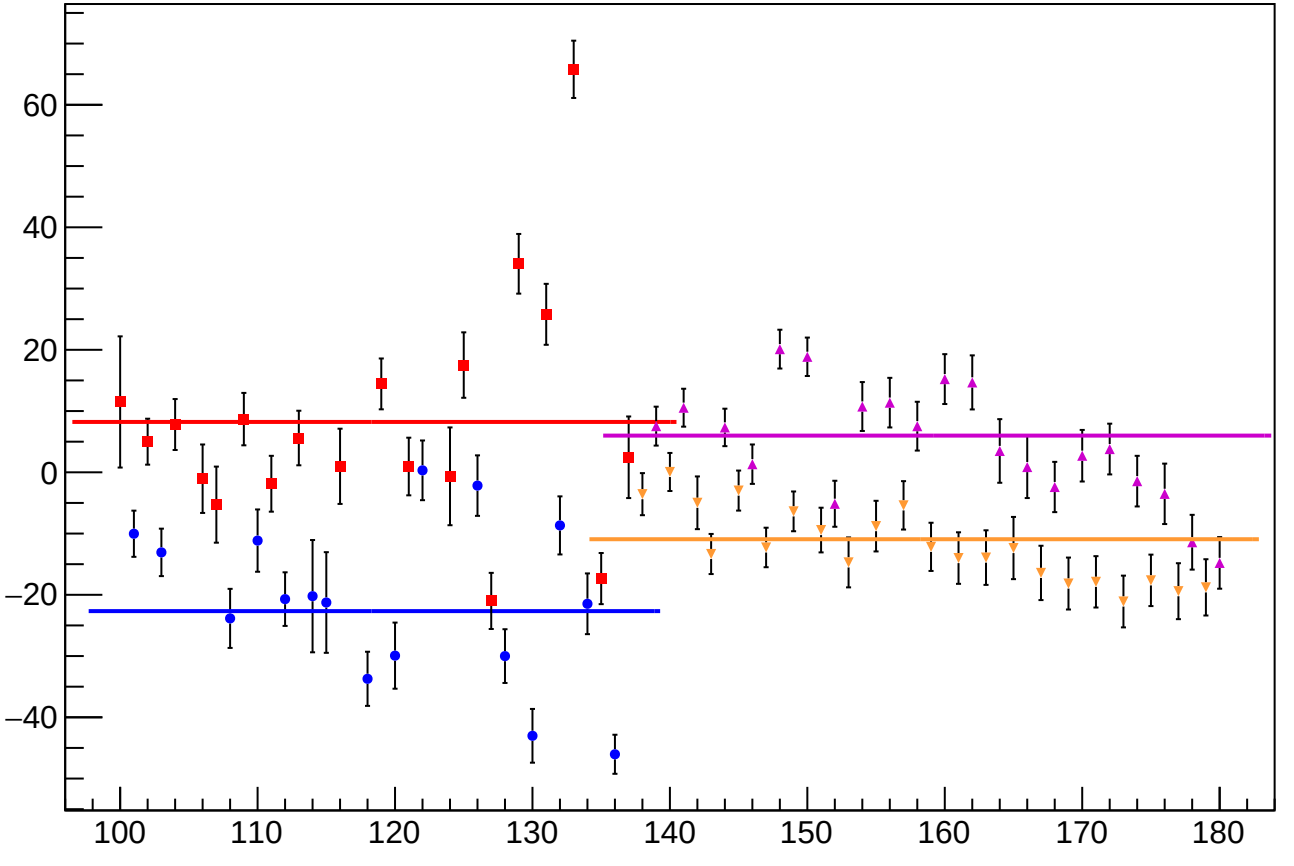
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1823.373+/-0.262 χ^2/NDF:248407.3/36

Out: 1816.106+/-0.258 χ^2/NDF:292188.7/40

All: 1819.685+/-0.184 χ^2/NDF: 540987.1/77

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.926+/-0.828 χ^2/NDF:53.9/21

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 5.992+/-0.835 χ^2/NDF:115.3/20

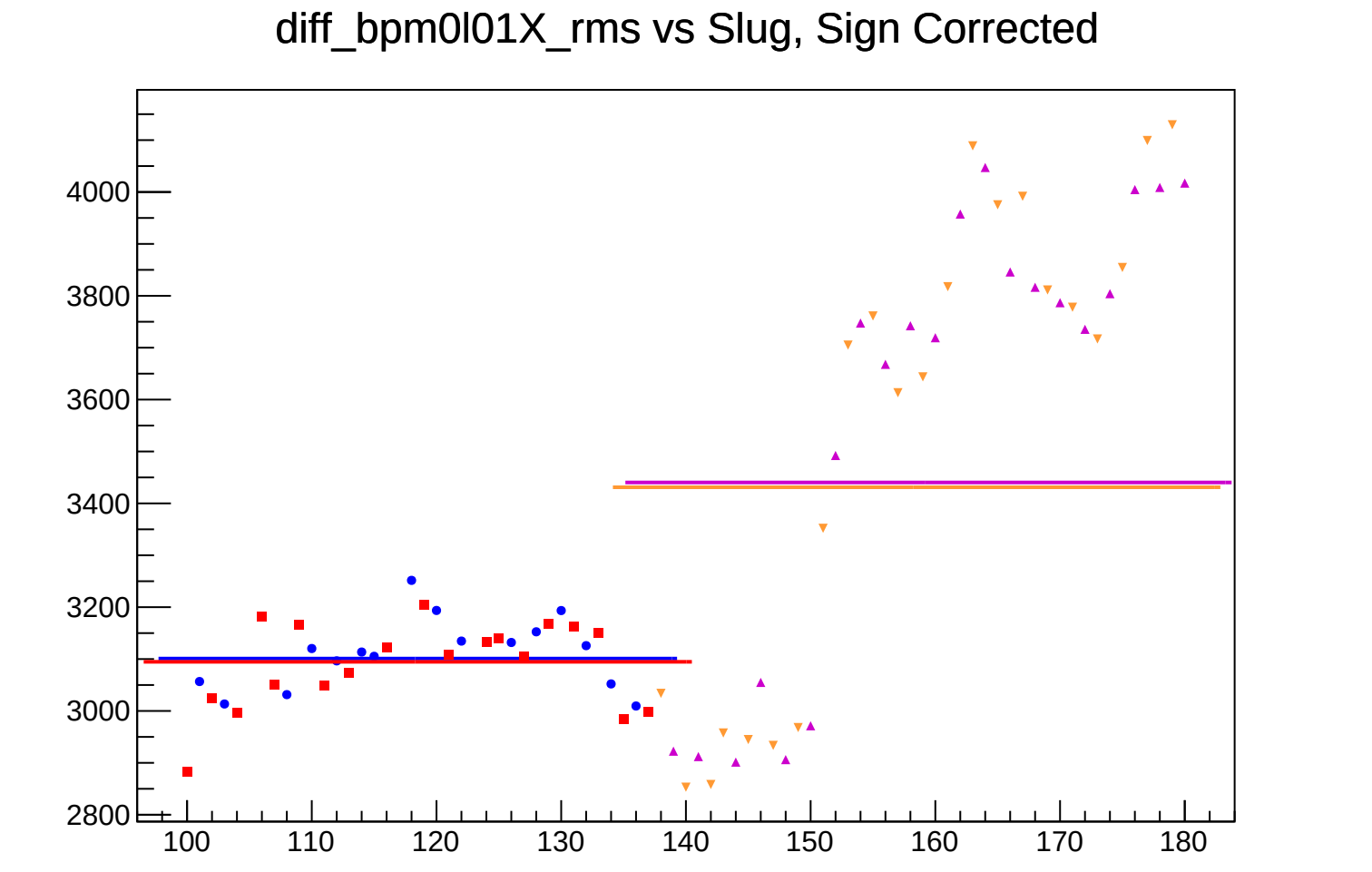
Left: -2.543+/-0.588 χ^2/NDF: 376.2/42

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.882+/-0.676 χ^2/NDF:678.0/36

Out: -4.230+/-0.667 χ^2/NDF:535.9/40

All: -4.058+/-0.475 χ^2/NDF: 1214.0/77



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3431.041+/-0.585 χ^2/NDF:602203.6/21

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3440.293+/-0.591 χ^2/NDF:562602.9/20

Left: 3435.625+/-0.416 χ^2/NDF: 1164930.3/42

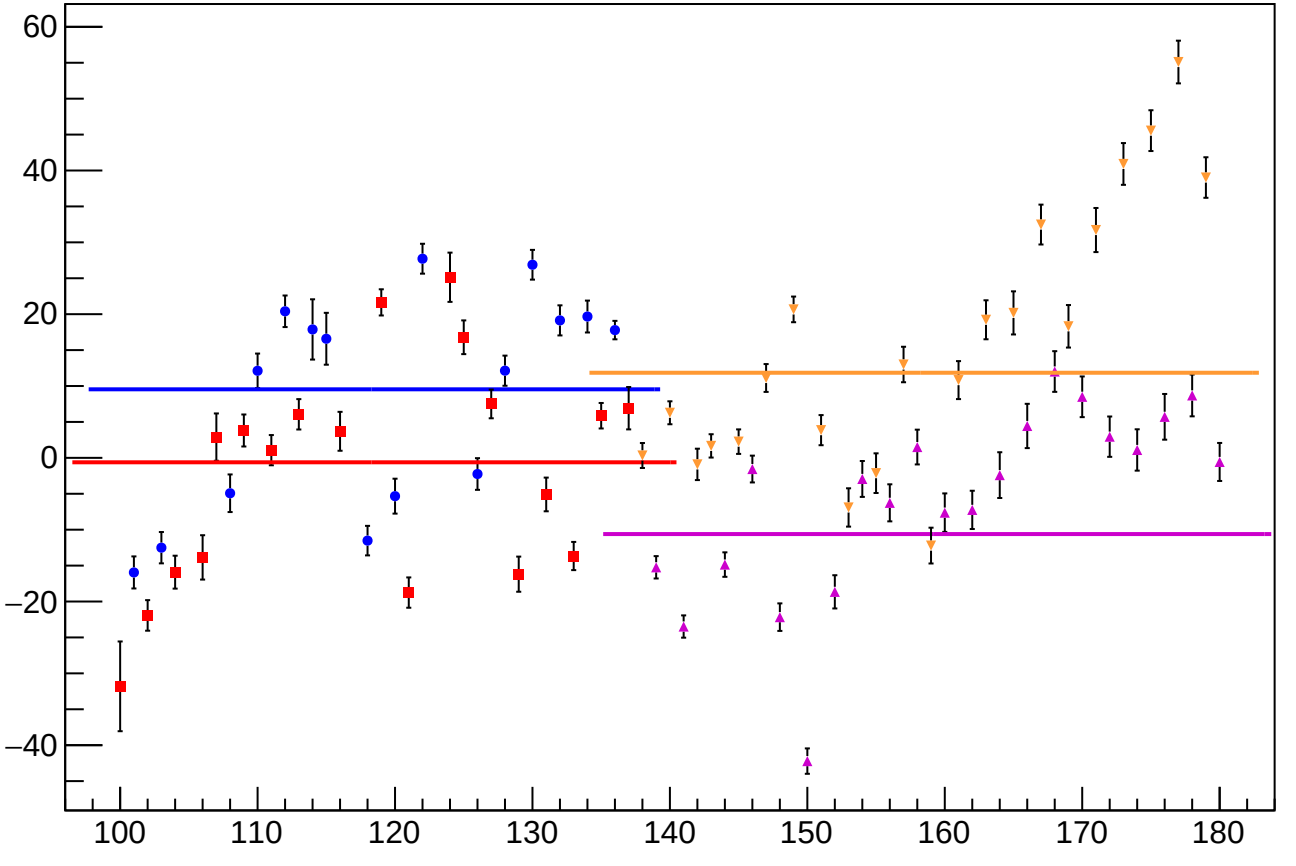
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3323.362+/-0.478 χ^2/NDF:684260.4/36

Out: 3313.431+/-0.472 χ^2/NDF:726272.1/40

All: 3318.332+/-0.336 χ^2/NDF: 1410751.0/77

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.847+/-0.483 χ^2/NDF:1031.1/21

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -10.609+/-0.496 χ^2/NDF:780.2/20

Left: 0.914+/-0.346 χ^2/NDF: 2862.2/42

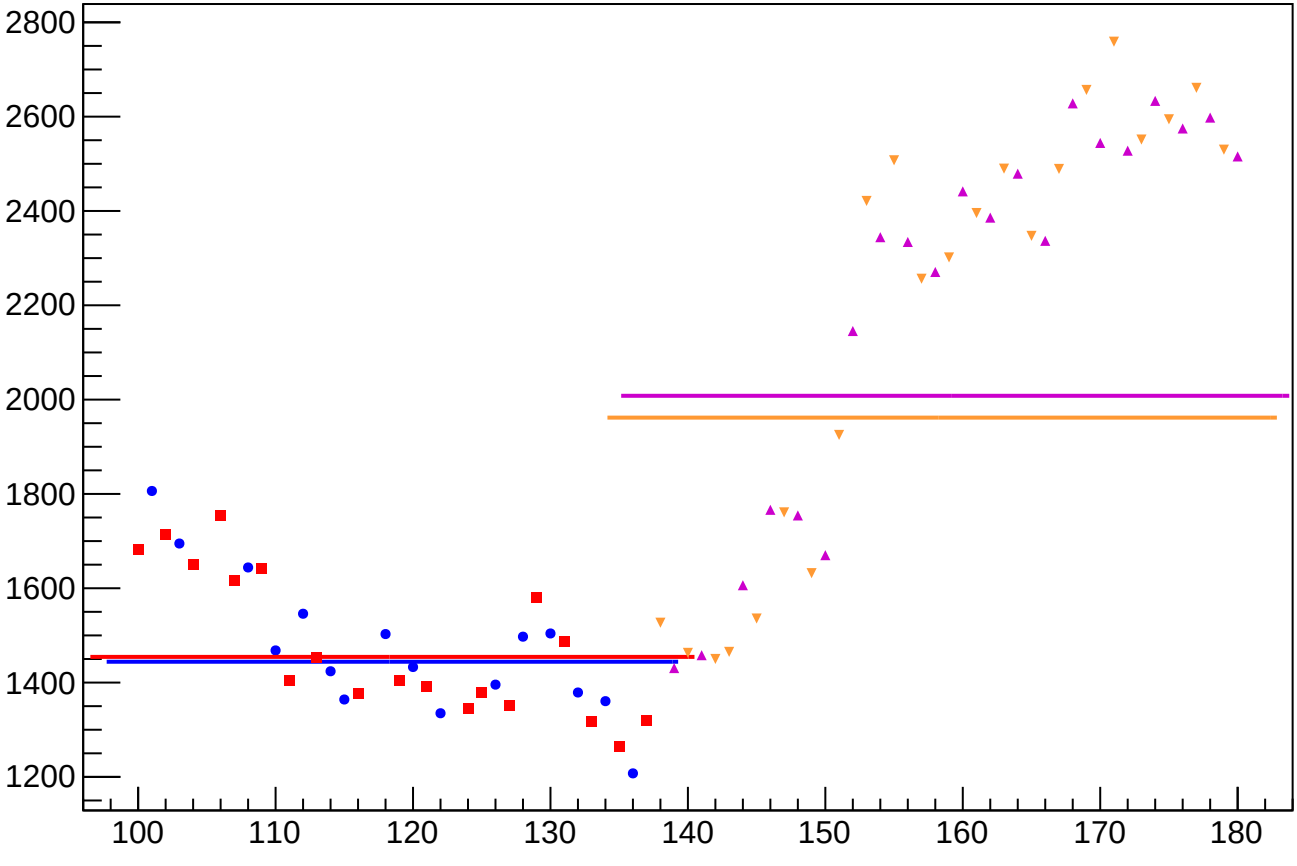
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.408+/-0.366 χ^2/NDF:2231.8/36

Out: 6.234+/-0.358 χ^2/NDF:1996.4/40

All: 2.491+/-0.256 χ^2/NDF: 4451.0/77

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1961.820+/-0.342 χ^2/NDF:1888161.2/21

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 2008.095+/-0.351 χ^2/NDF:1586970.8/20

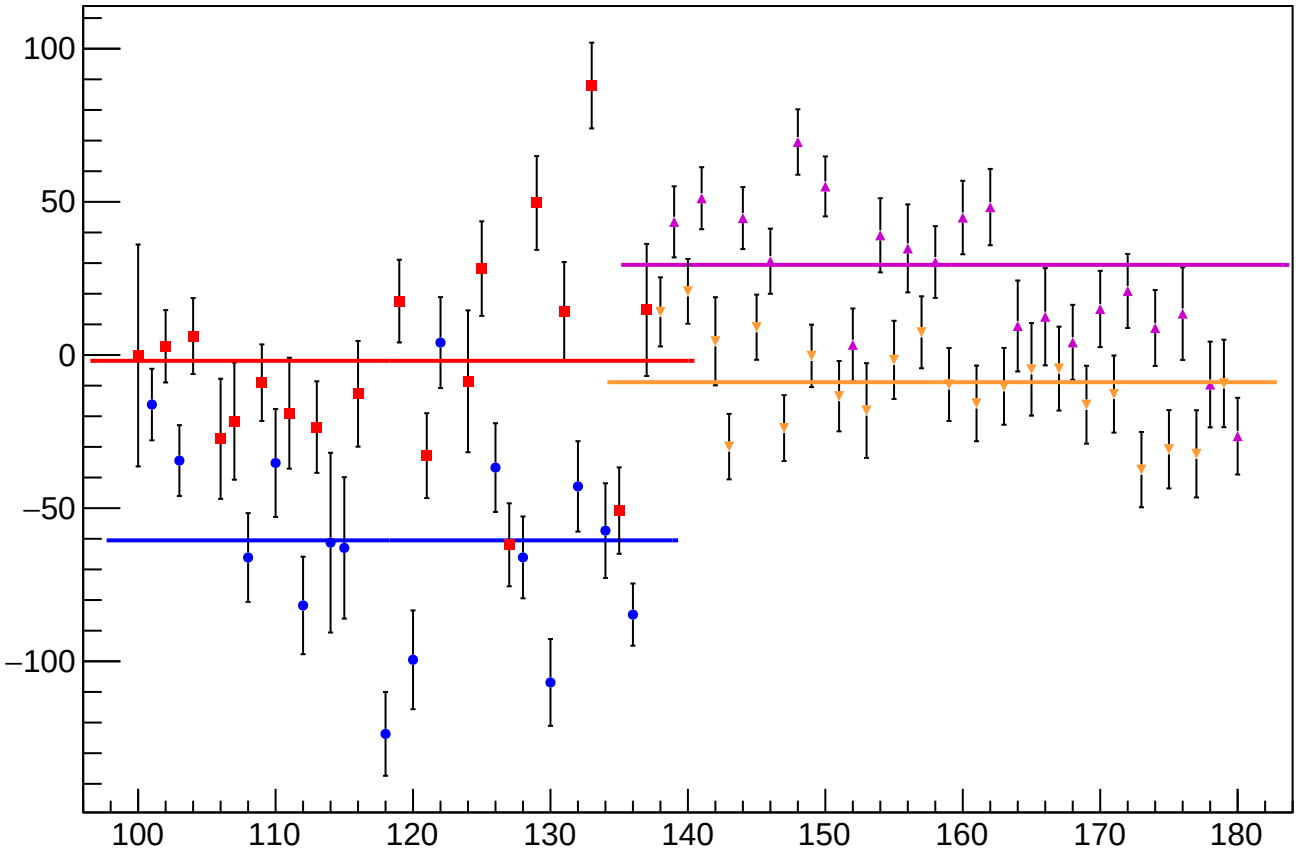
Left: 1984.350+/-0.245 χ^2/NDF: 3484056.3/42

Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1750.594+/-0.259 χ^2/NDF:2946507.6/36

Out: 1733.385+/-0.253 χ^2/NDF:3023021.9/40

All: 1741.814+/-0.181 χ^2/NDF: 5971788.3/77



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.871+/-2.604 χ^2/NDF:37.0/21

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 29.426+/-2.623 χ^2/NDF:79.6/20

Left: 10.138+/-1.848 χ^2/NDF: 223.9/42

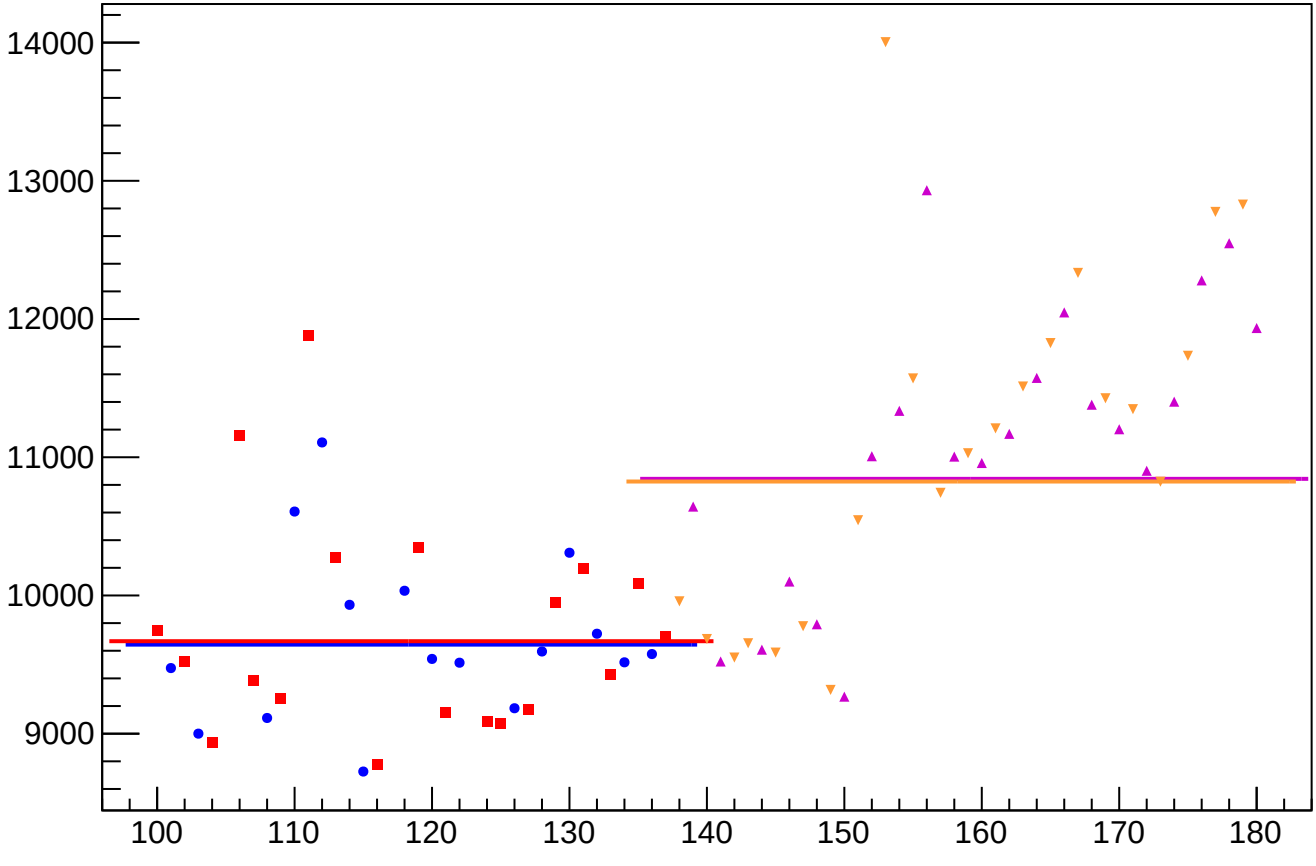
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.813+/-2.119 χ^2/NDF:578.2/36

Out: -6.424+/-2.098 χ^2/NDF:143.3/40

All: -4.141+/-1.491 χ^2/NDF: 723.9/77

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10824.420+/-1.842 χ^2/NDF:393787.6/21

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10843.708+/-1.855 χ^2/NDF:282295.4/20

Left: 10833.994+/-1.307 χ^2/NDF: 676137.5/42

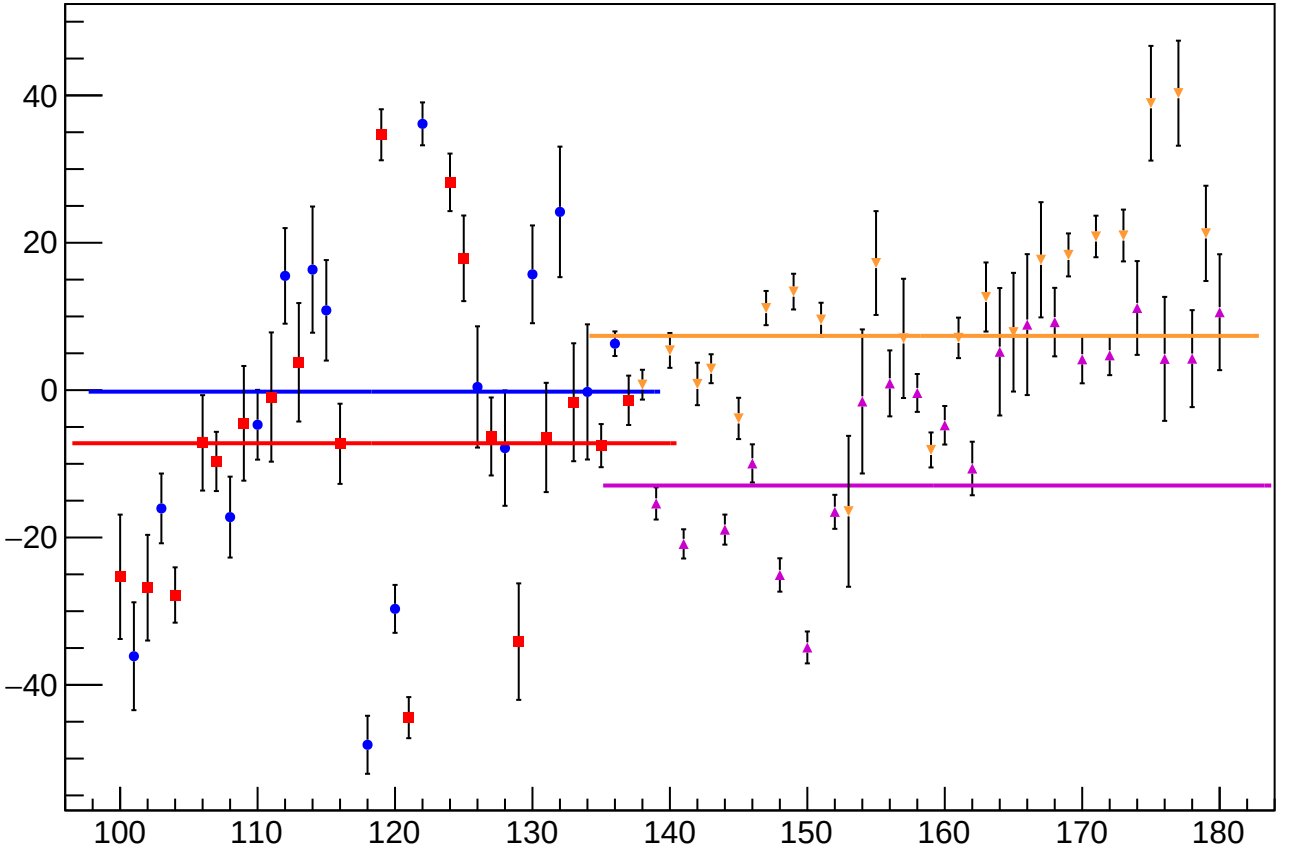
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10427.157+/-1.499 χ^2/NDF:471571.7/36

Out: 10419.120+/-1.484 χ^2/NDF:611726.2/40

All: 10423.098+/-1.054 χ^2/NDF: 1083312.4/7

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.365+/-0.660 χ^2/NDF:194.8/21

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -12.945+/-0.665 χ^2/NDF:343.5/20

Left: -2.724+/-0.469 χ^2/NDF: 1007.9/42

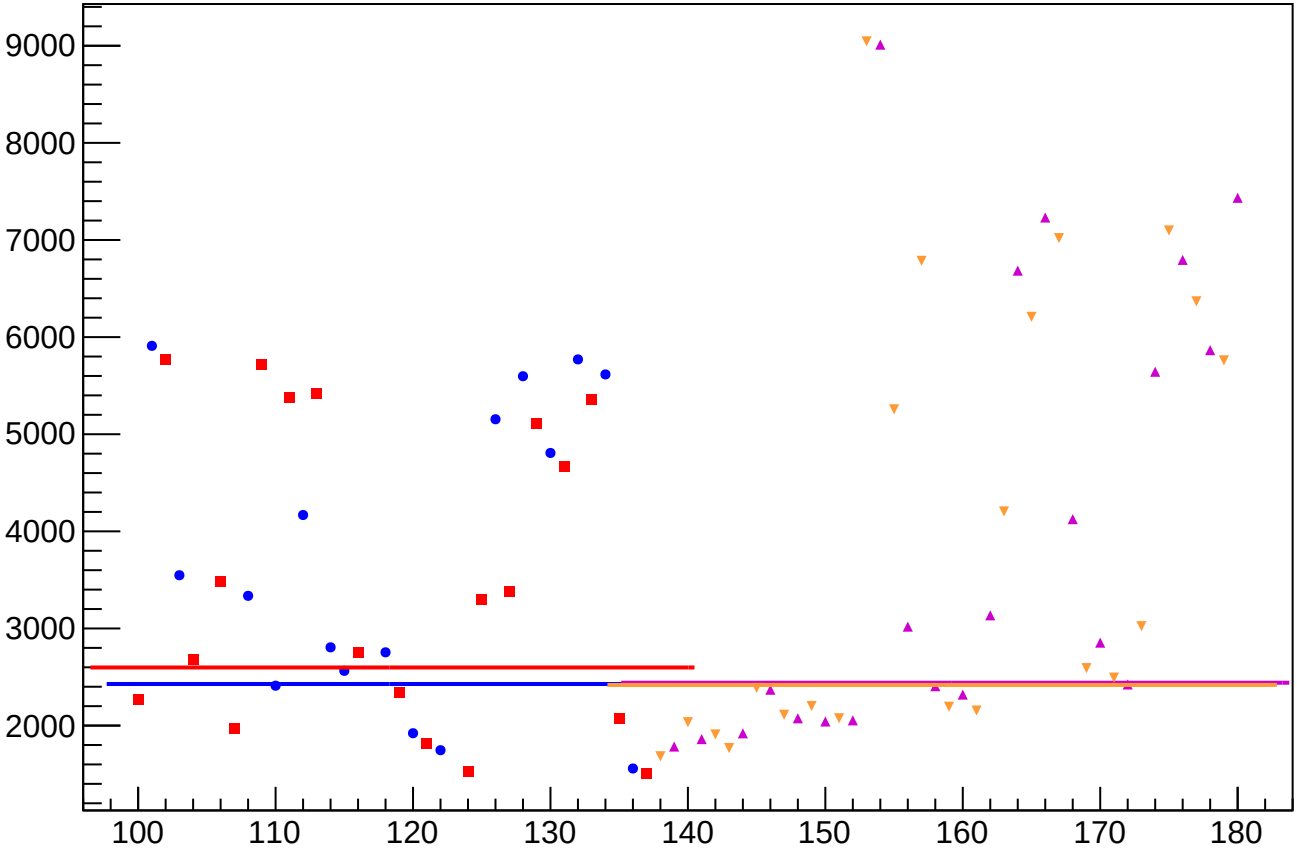
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.276+/-0.561 χ^2/NDF:922.9/36

Out: 3.364+/-0.563 χ^2/NDF:814.0/40

All: -2.974+/-0.397 χ^2/NDF: 1990.1/77

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2418.515+/-0.467 χ^2/NDF:5840026.3/21

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2441.394+/-0.470 χ^2/NDF:5343400.9/20

Left: 2429.880+/-0.331 χ^2/NDF: 11184619.2/42

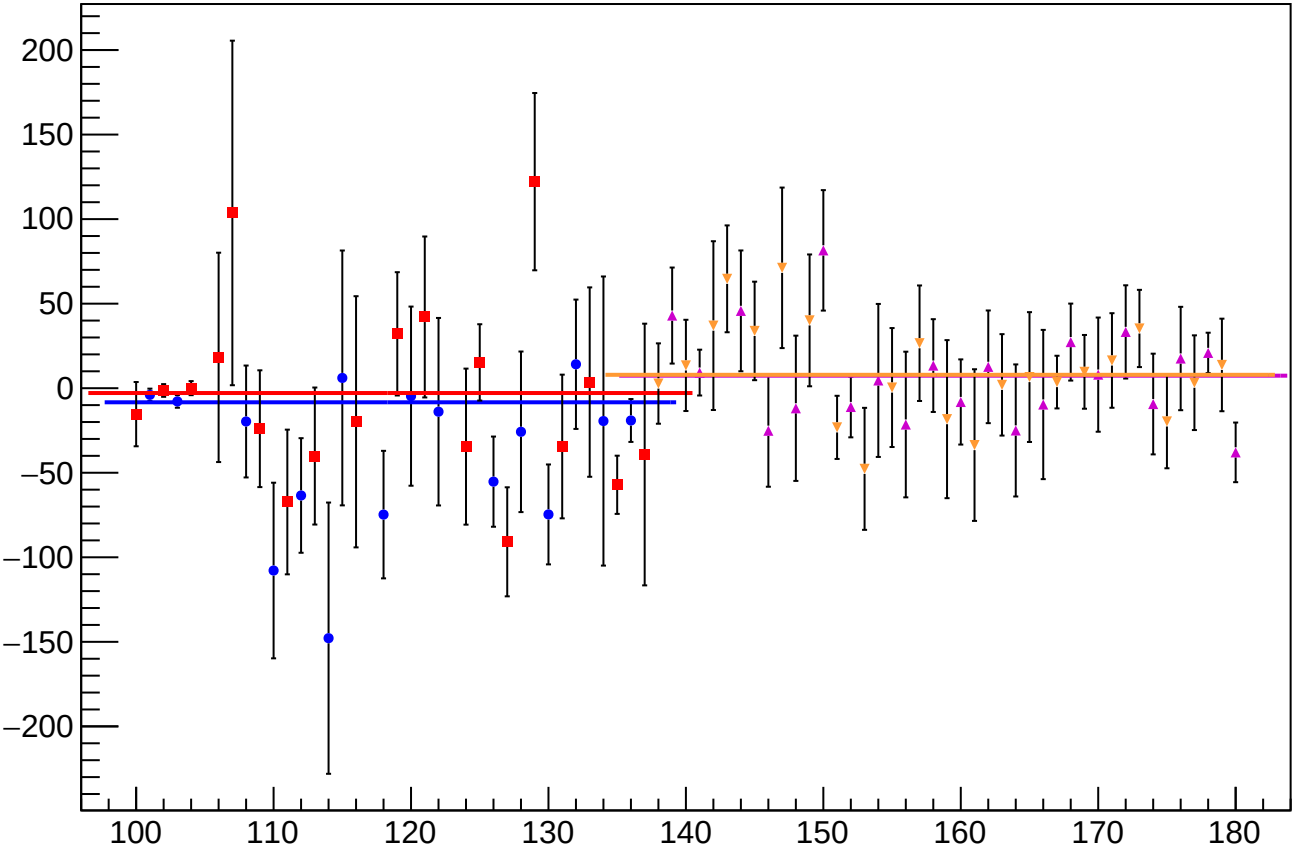
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2437.560+/-0.397 χ^2/NDF:8158967.1/36

Out: 2467.880+/-0.398 χ^2/NDF:8395654.3/40

All: 2452.677+/-0.281 χ^2/NDF: 16557534.5/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.923+/-5.954 χ^2/NDF:16.3/21

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 7.407+/-5.318 χ^2/NDF:21.0/20

Left: 7.636+/-3.966 χ^2/NDF: 37.3/42

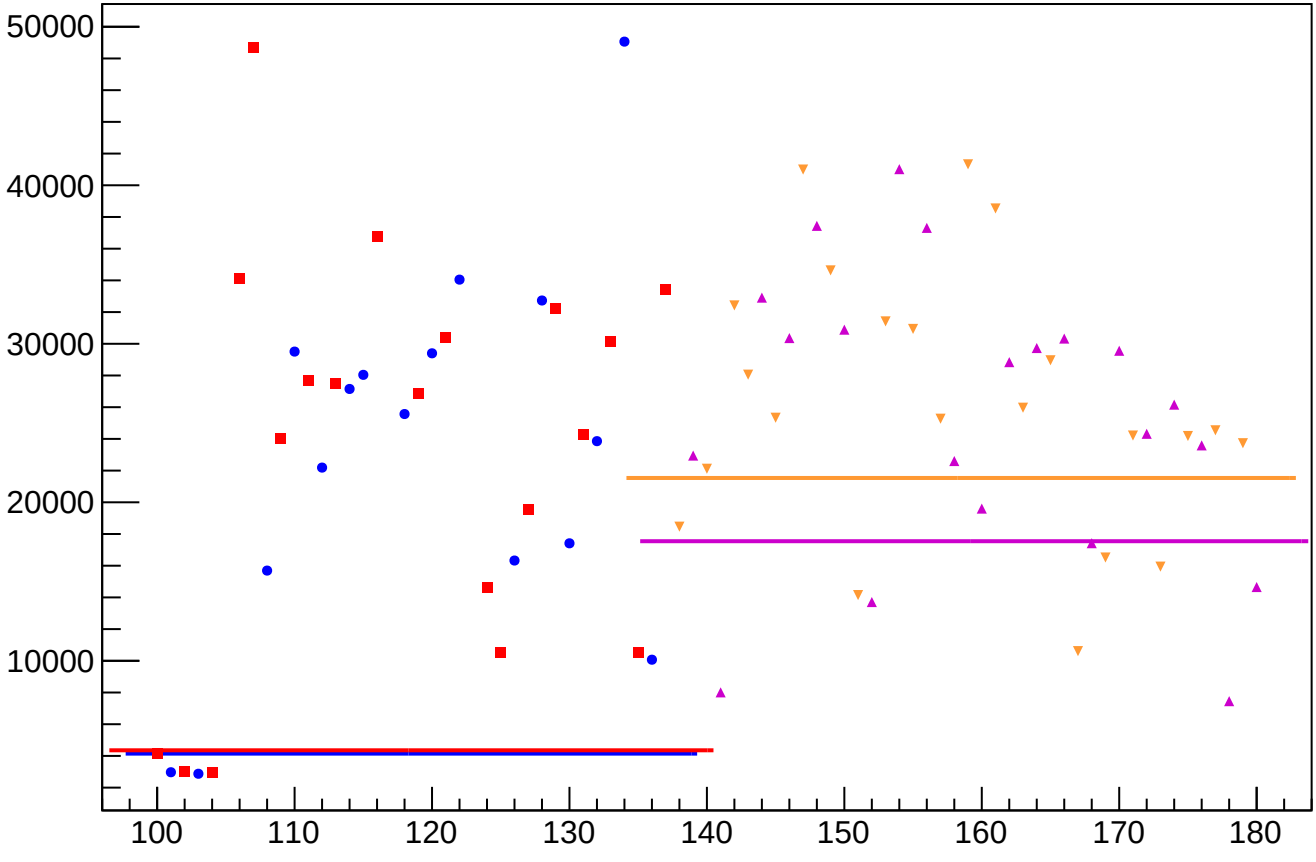
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.485+/-2.262 χ^2/NDF:51.6/36

Out: -1.079+/-2.413 χ^2/NDF:51.6/40

All: -3.424+/-1.650 χ^2/NDF: 105.0/77

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21534.939+/-4.210 χ^2/NDF:3486851.0/21

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17545.151+/-3.760 χ^2/NDF:6269459.4/20

Left: 19315.462+/-2.805 χ^2/NDF: 10255868.7/42

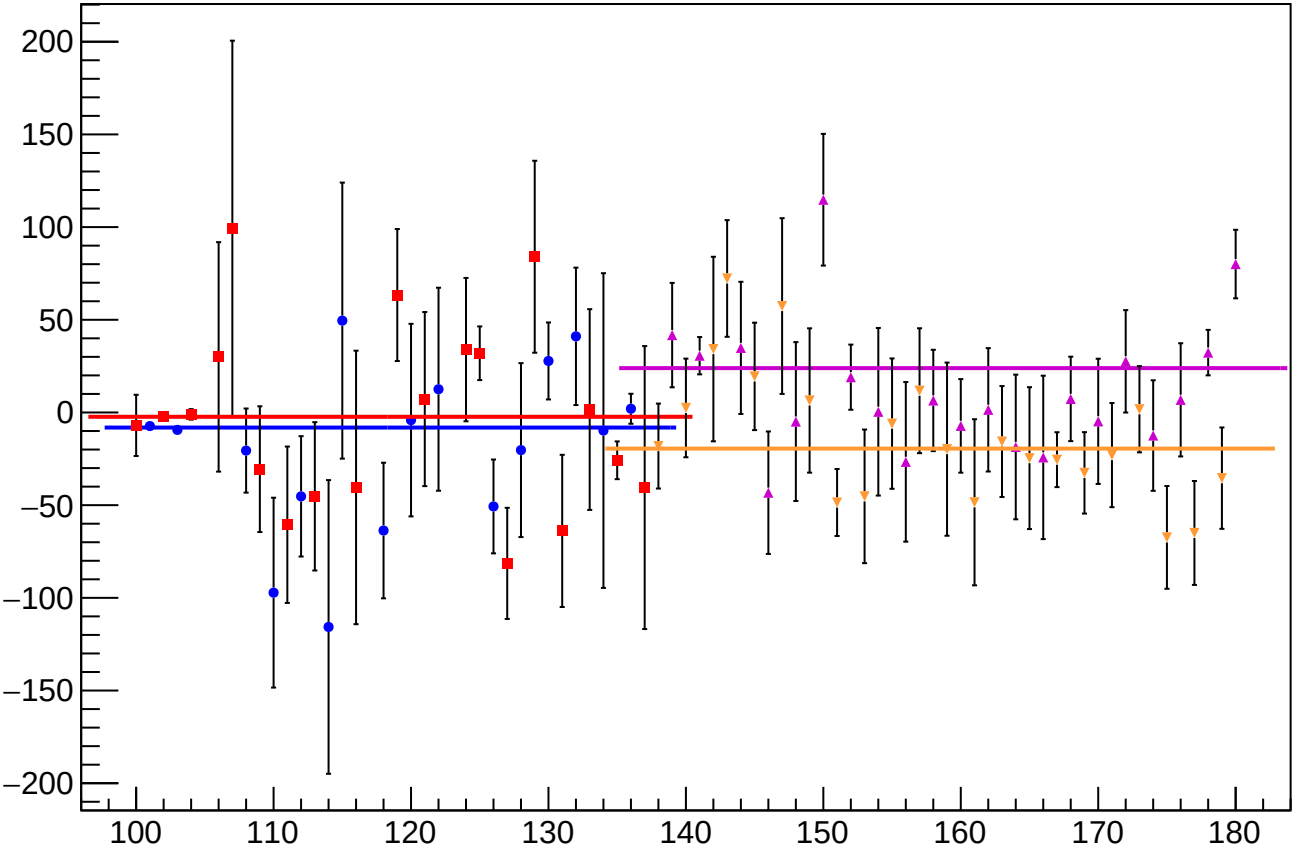
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6570.275+/-1.599 χ^2/NDF:23507302.0/36

Out: 7176.286+/-1.706 χ^2/NDF:25028281.2/40

All: 6853.715+/-1.167 χ^2/NDF: 48602725.1/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.477+/-5.875 χ^2/NDF:27.1/21

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 23.931+/-5.044 χ^2/NDF:31.3/20

Left: 5.513+/-3.827 χ^2/NDF: 89.9/42

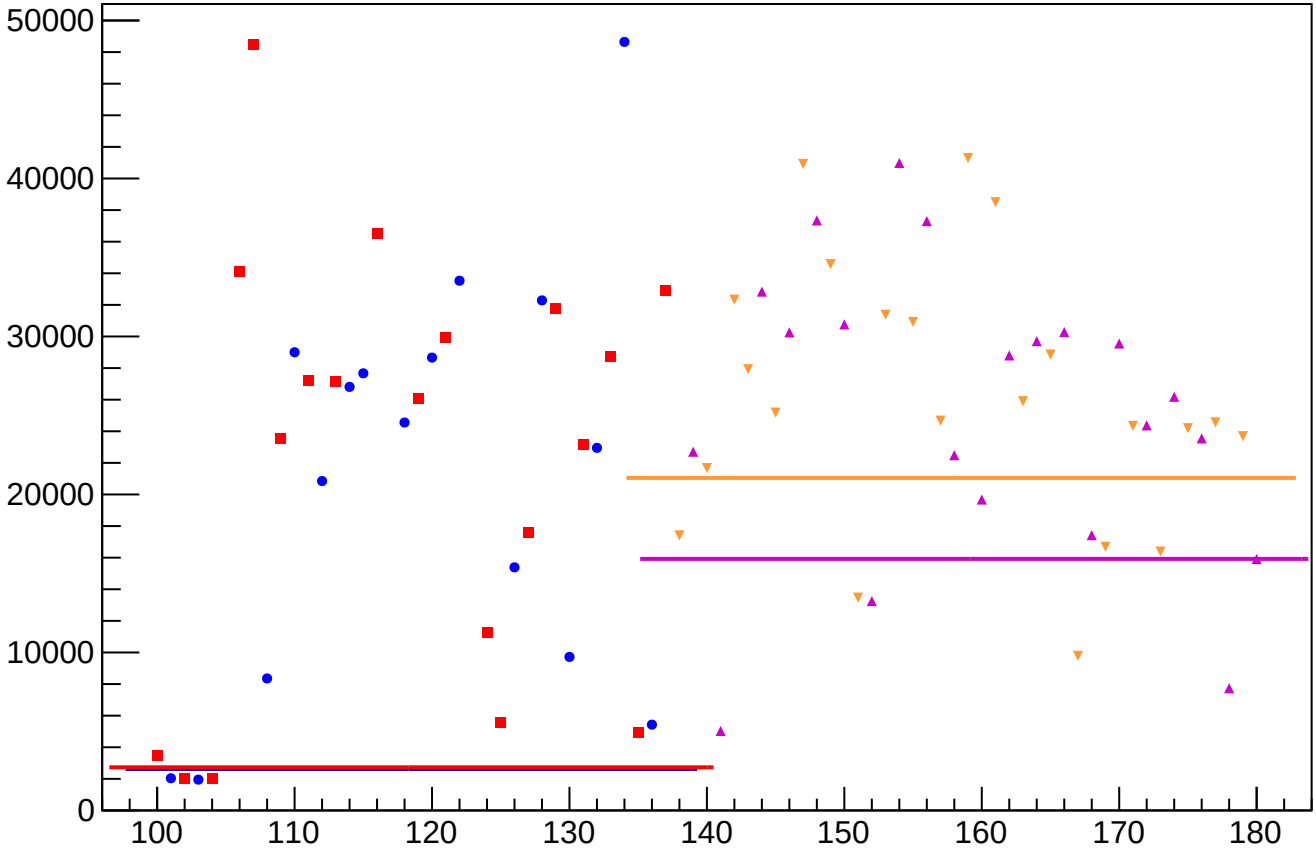
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -4.791+/-1.628 χ^2/NDF:86.6/36

Out: -3.829+/-1.740 χ^2/NDF:68.0/40

All: -4.342+/-1.189 χ^2/NDF: 154.8/77

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21049.579+/-4.154 χ^2/NDF:3815558.6/21

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15923.574+/-3.567 χ^2/NDF:7983424.1/20

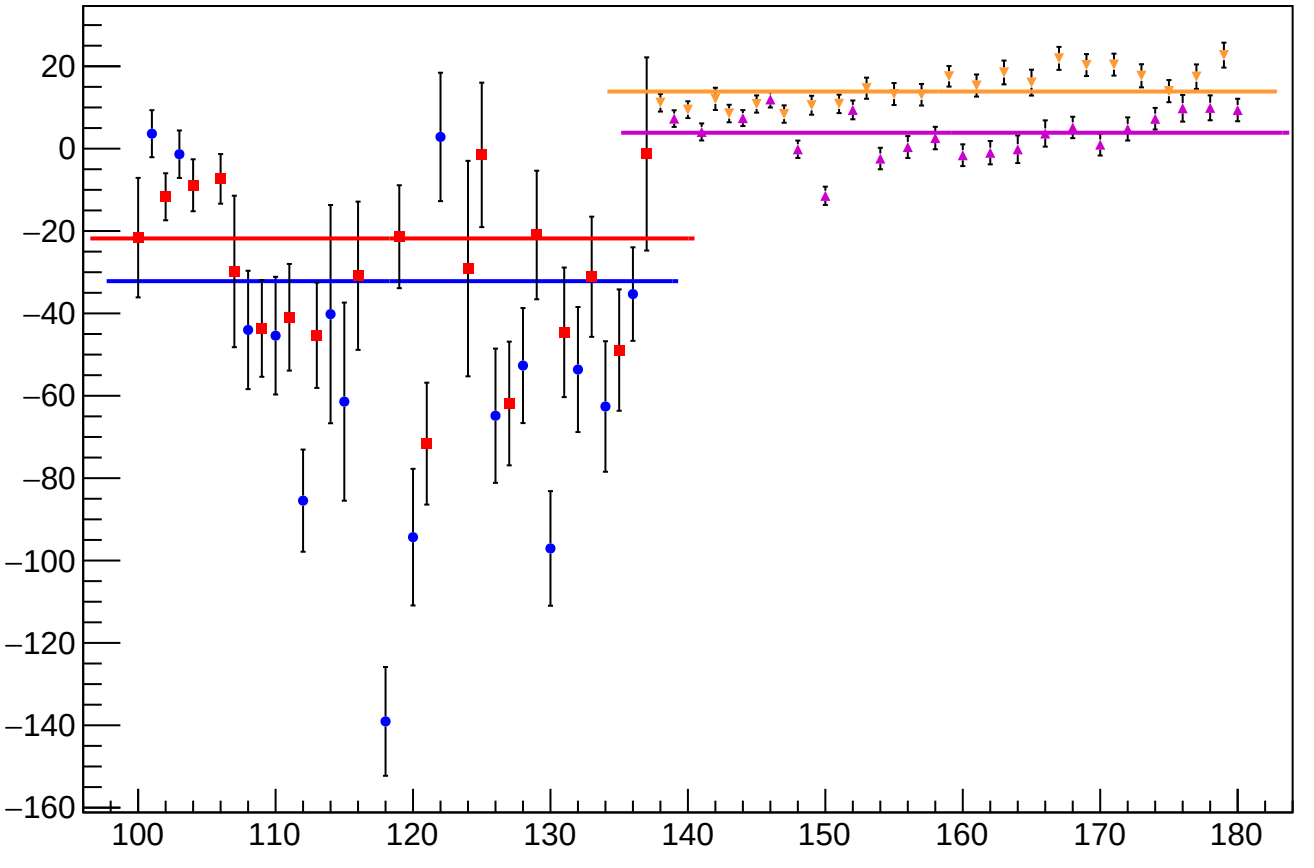
Left: 18098.541+/-2.706 χ^2/NDF: 12675457.1/42

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 4012.207+/-1.151 χ^2/NDF:27215979.7/36

Out: 4336.936+/-1.230 χ^2/NDF:29541003.5/40

All: 4163.818+/-0.841 χ^2/NDF: 56794121.7/7



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.869+/-0.534 χ^2/NDF:63.4/21

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.863+/-0.542 χ^2/NDF:111.2/20

Left: 8.948+/-0.380 χ^2/NDF: 347.6/42

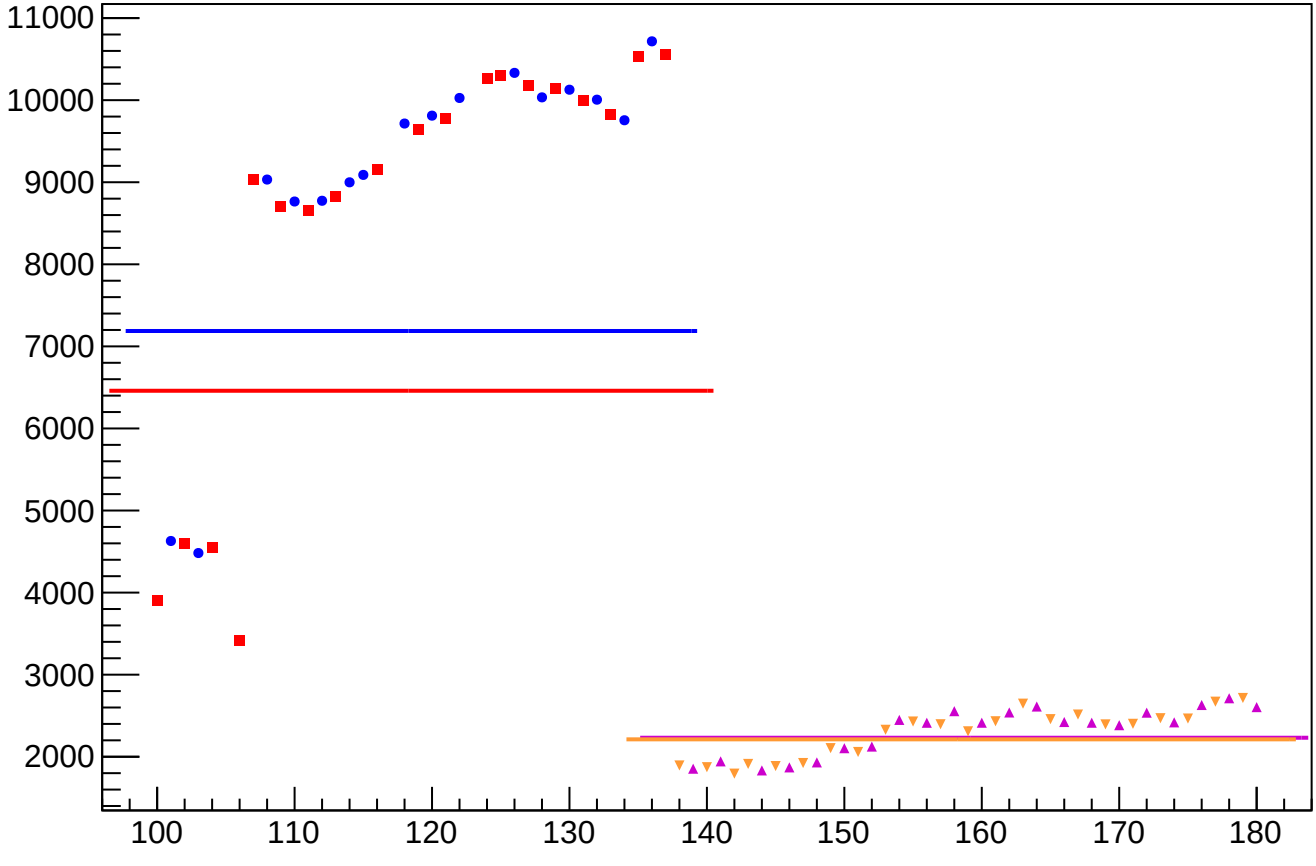
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.597+/-0.533 χ^2/NDF:474.1/36

Out: 12.381+/-0.522 χ^2/NDF:299.0/40

All: 7.586+/-0.373 χ^2/NDF: 945.0/77

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2212.059+/-0.377 χ^2/NDF:568447.8/21

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2231.620+/-0.384 χ^2/NDF:598383.3/20

Left: 2221.680+/-0.269 χ^2/NDF: 1168153.1/42

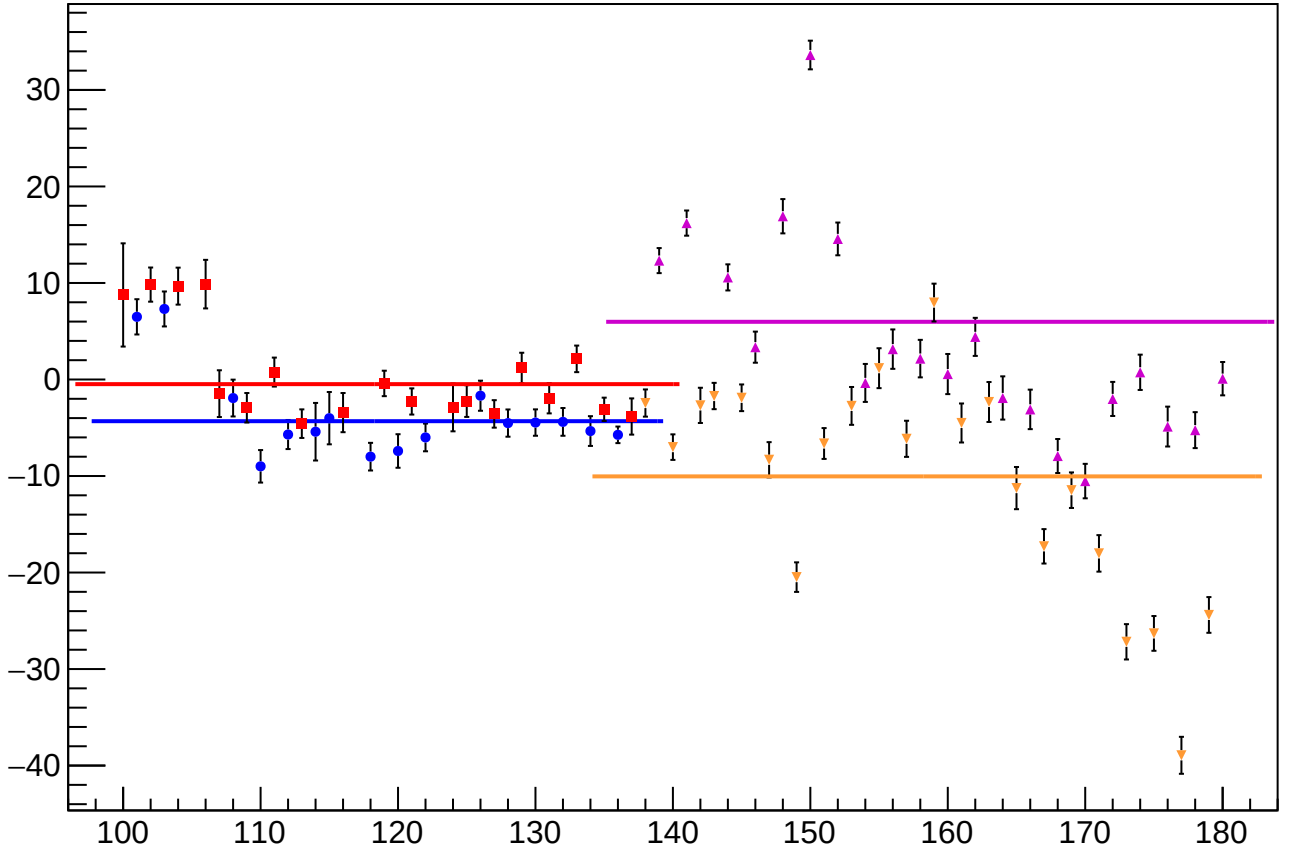
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2405.796+/-0.377 χ^2/NDF:8173052.0/36

Out: 2389.244+/-0.369 χ^2/NDF:8131300.7/40

All: 2397.356+/-0.264 χ^2/NDF: 16305337.0/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.039+/-0.369 χ^2/NDF:820.2/21

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 5.978+/-0.377 χ^2/NDF:817.0/20

Left: -2.203+/-0.264 χ^2/NDF: 2558.7/42

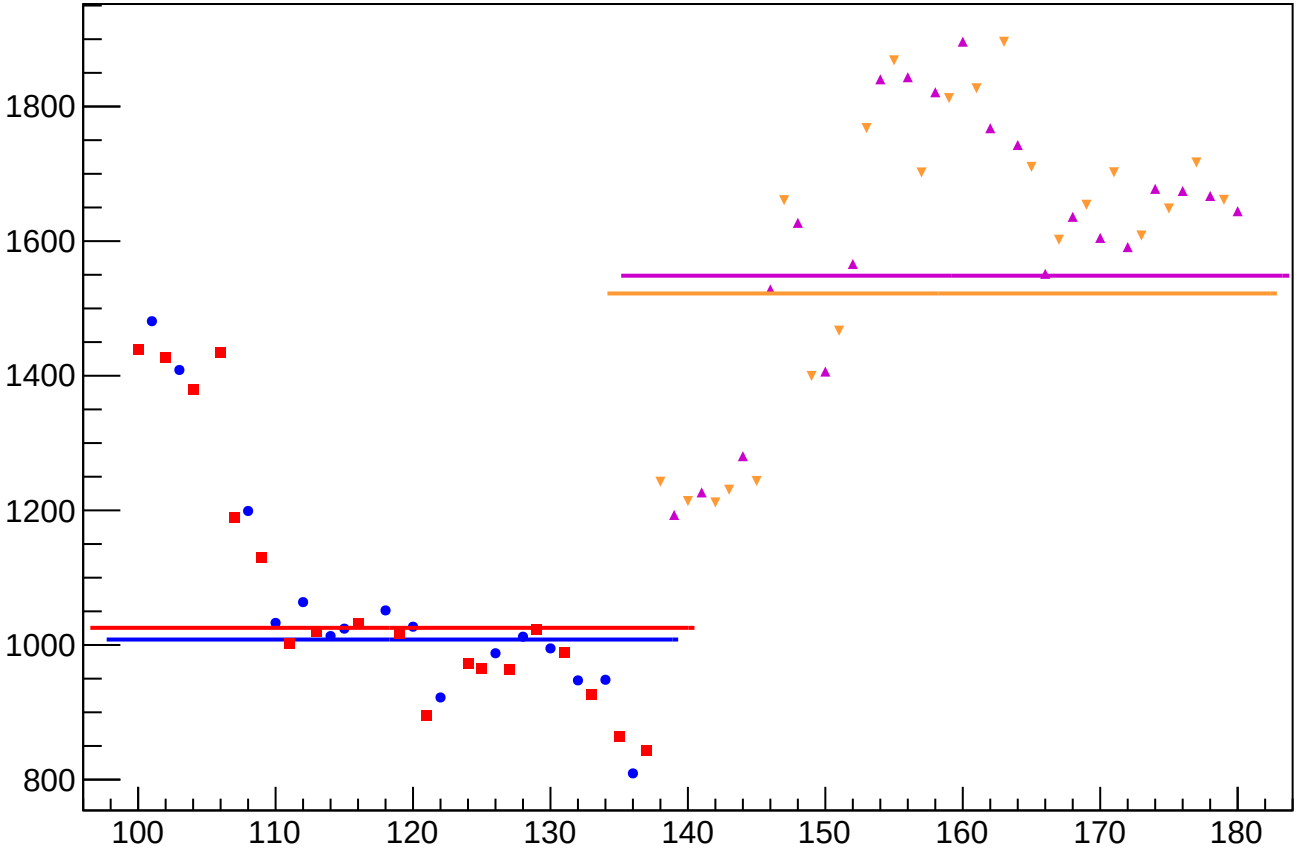
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.866+/-0.268 χ^2/NDF:1290.9/36

Out: -5.383+/-0.264 χ^2/NDF:1264.2/40

All: -2.297+/-0.188 χ^2/NDF: 2831.1/77

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1522.260+/-0.261 χ^2/NDF:798793.4/21

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1548.652+/-0.267 χ^2/NDF:633583.3/20

Left: 1535.172+/-0.186 χ^2/NDF: 1437380.7/42

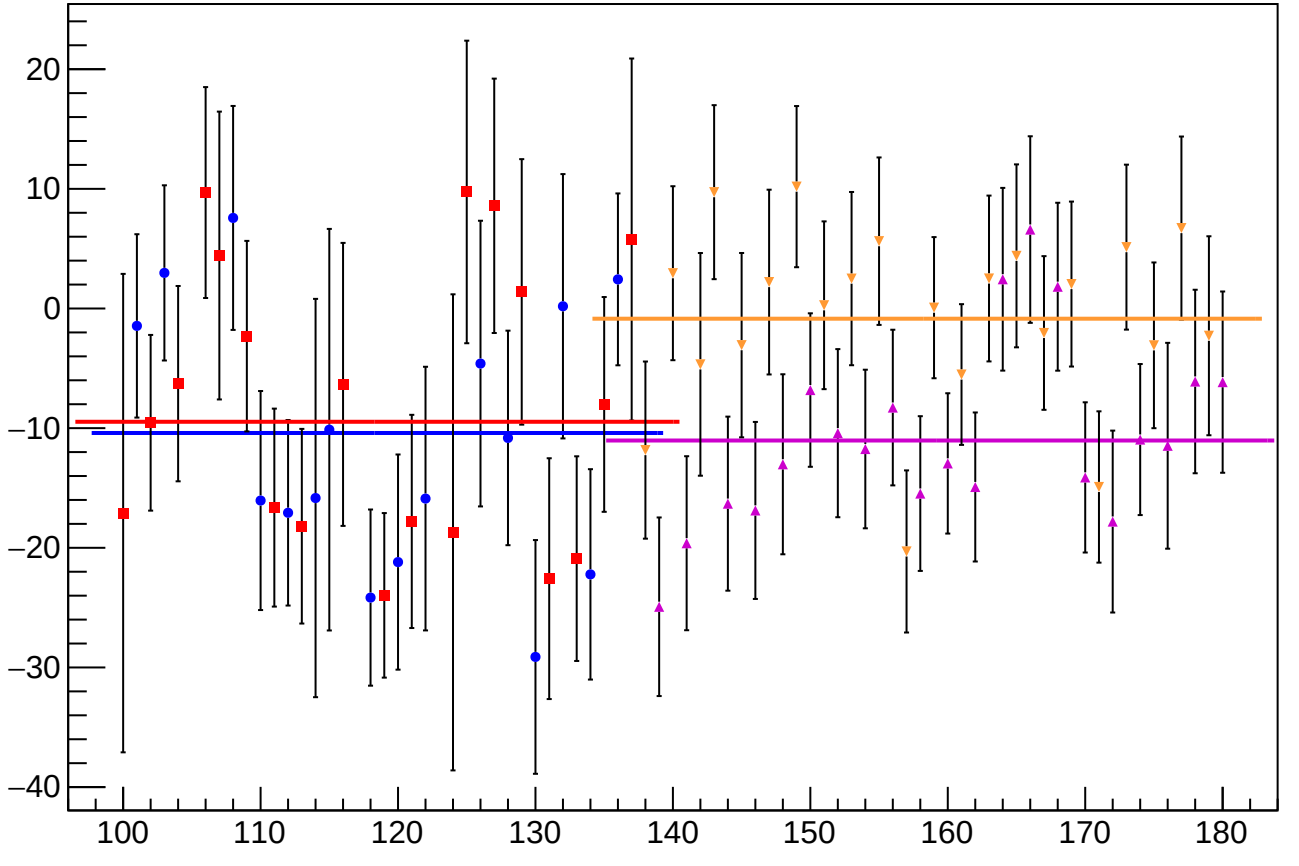
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1280.287+/-0.189 χ^2/NDF:3052829.6/36

Out: 1280.261+/-0.187 χ^2/NDF:2910235.4/40

All: 1280.274+/-0.133 χ^2/NDF: 5963064.9/77

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.853+/-1.500 χ^2/NDF:25.4/21

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.032+/-1.523 χ^2/NDF:21.1/20

Left: -5.866+/-1.069 χ^2/NDF: 69.2/42

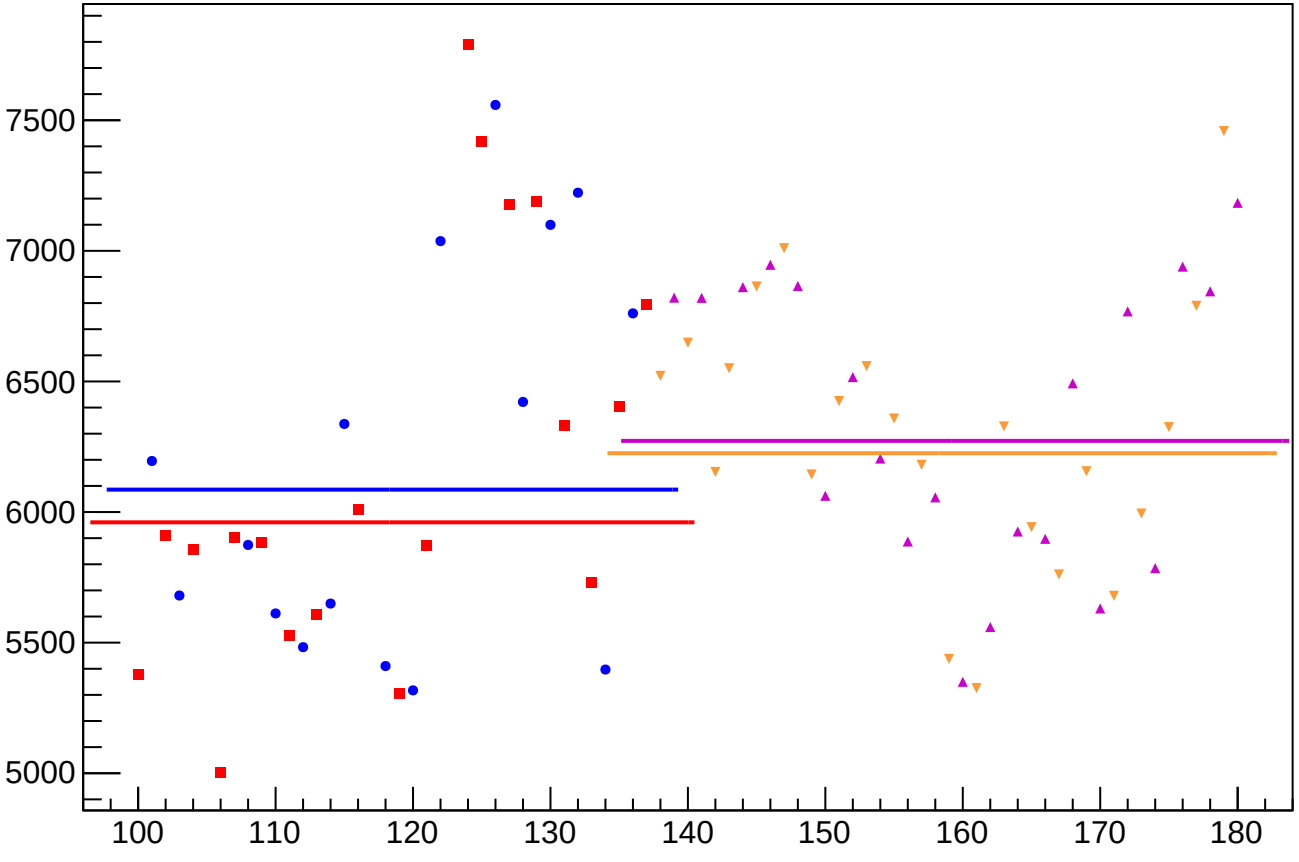
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.838+/-1.266 χ^2/NDF:45.8/36

Out: -3.603+/-1.238 χ^2/NDF:61.3/40

All: -7.138+/-0.885 χ^2/NDF: 123.8/77

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6225.287+/-1.061 χ^2/NDF:224148.4/21

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6272.521+/-1.077 χ^2/NDF:258175.8/20

Left: 6248.549+/-0.756 χ^2/NDF: 483300.5/42

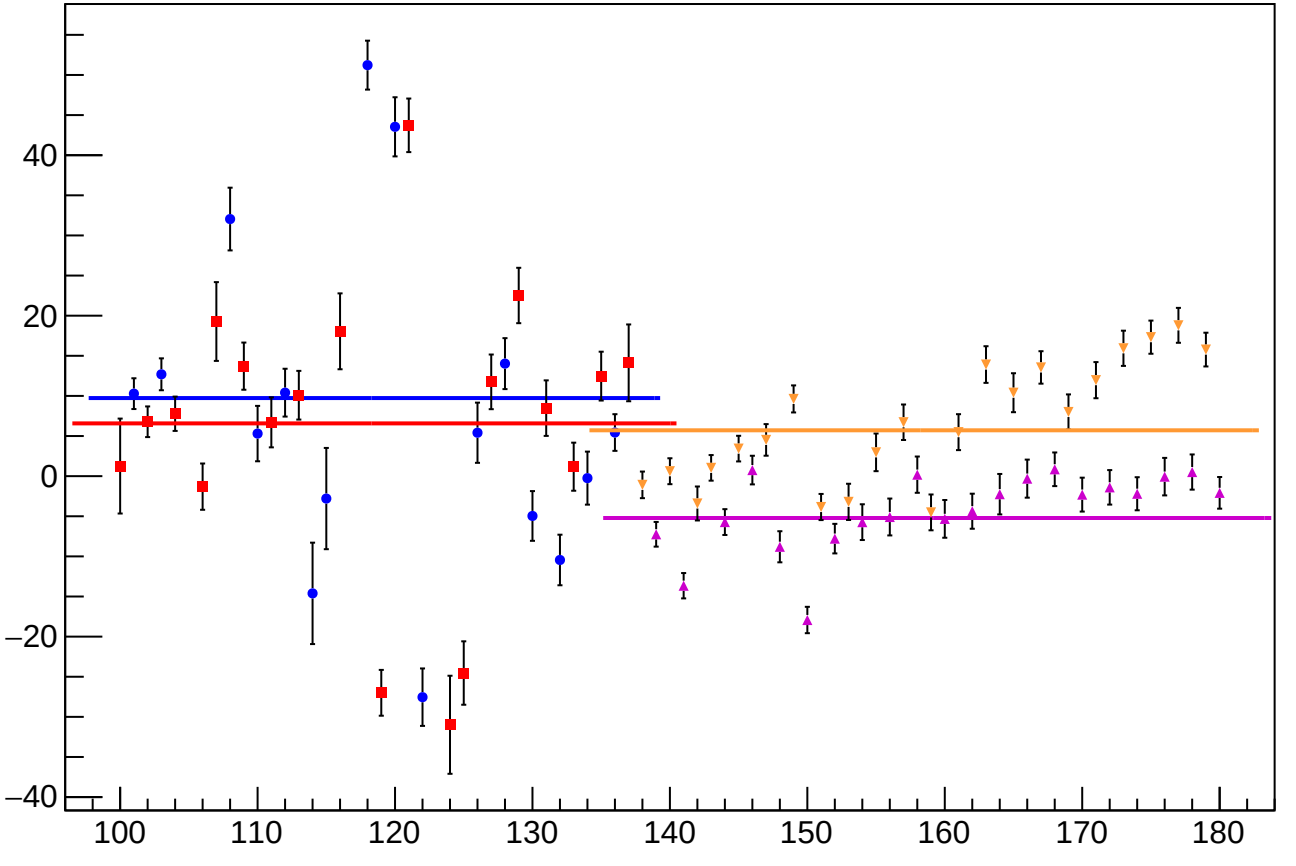
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6214.934+/-0.896 χ^2/NDF:446562.3/36

Out: 6140.795+/-0.875 χ^2/NDF:406791.5/40

All: 6177.019+/-0.626 χ^2/NDF: 856859.1/77

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.714+/-0.422 χ^2/NDF:287.1/21

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.215+/-0.434 χ^2/NDF:148.2/20

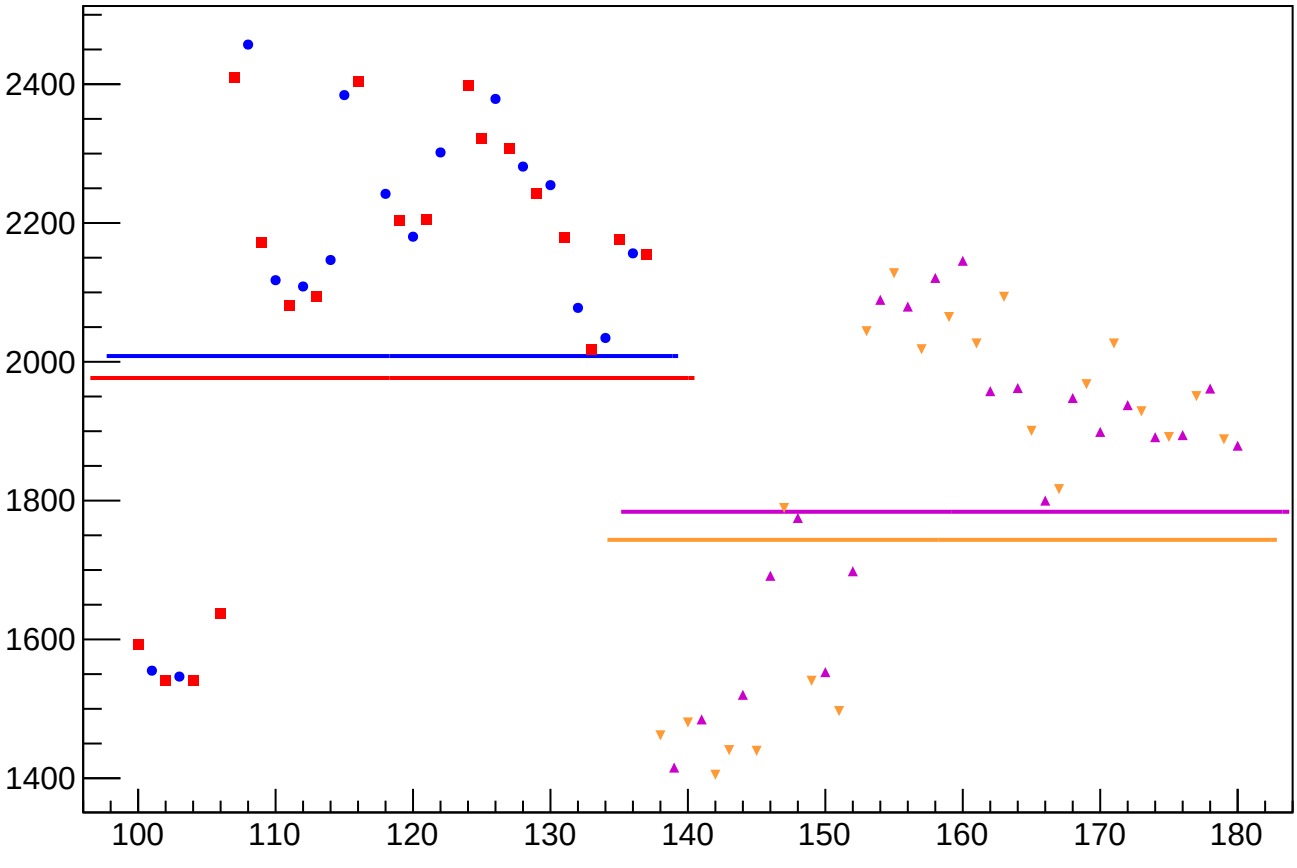
Left: 0.398+/-0.302 χ^2/NDF: 761.6/42

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.507+/-0.376 χ^2/NDF:955.4/36

Out: 5.930+/-0.365 χ^2/NDF:711.9/40

All: 2.318+/-0.262 χ^2/NDF: 1868.5/77



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1743.502+/-0.298 χ^2/NDF:738194.8/21

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1783.925+/-0.307 χ^2/NDF:530667.5/20

Left: 1763.166+/-0.214 χ^2/NDF: 1277788.1/42

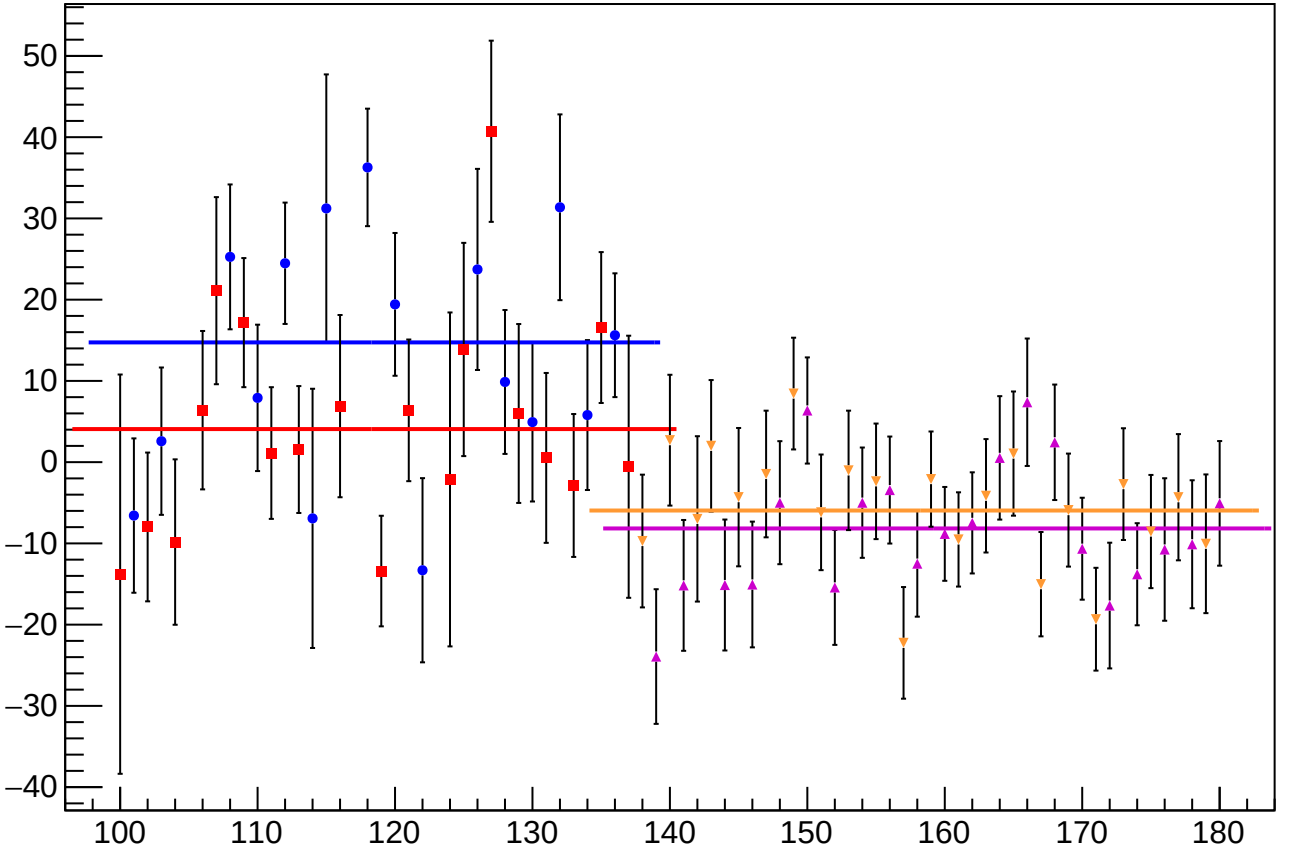
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1839.589+/-0.266 χ^2/NDF:1007892.7/36

Out: 1801.873+/-0.258 χ^2/NDF:1256405.8/40

All: 1820.192+/-0.185 χ^2/NDF: 2274647.2/77

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.953+/-1.535 χ^2/NDF:22.2/21

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.161+/-1.554 χ^2/NDF:23.5/20

Left: -7.043+/-1.092 χ^2/NDF: 46.8/42

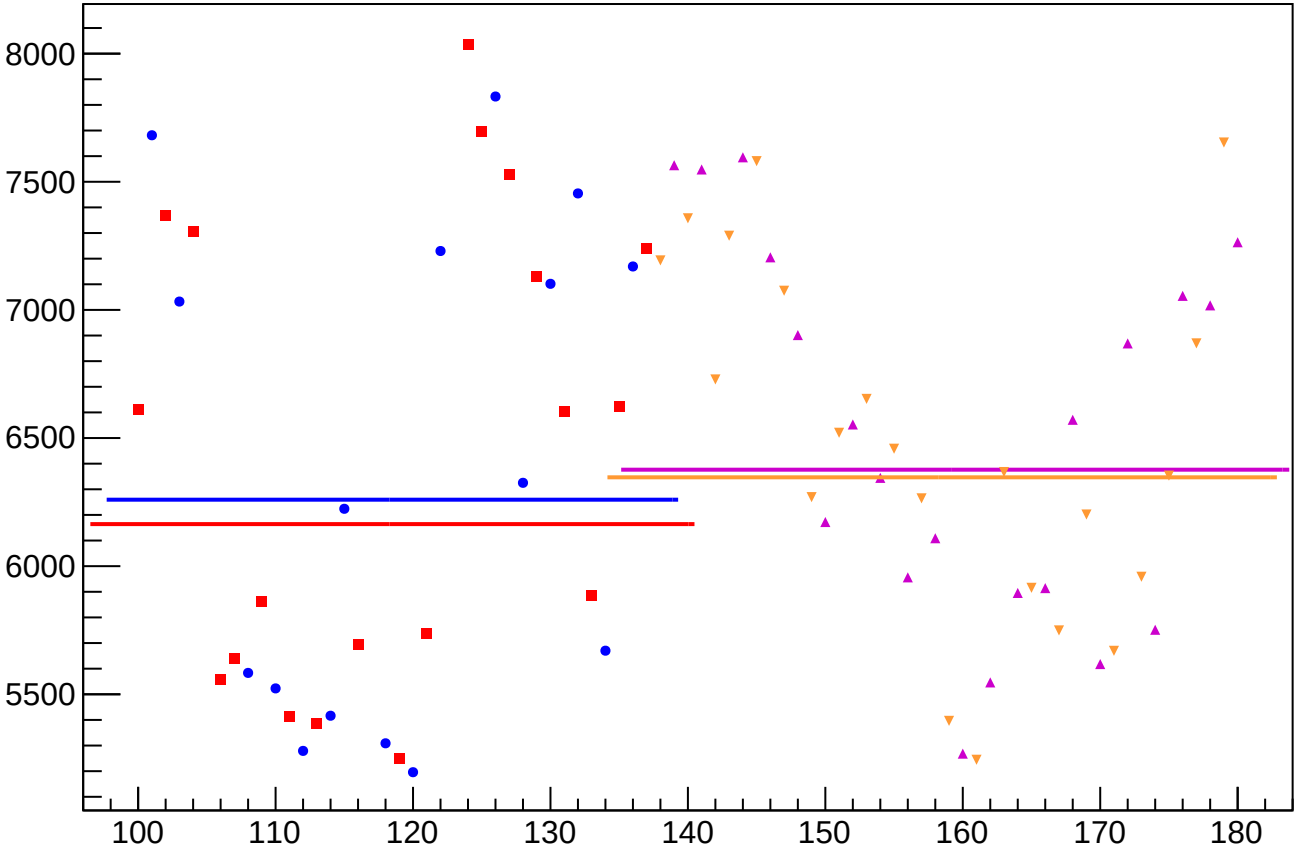
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.223+/-1.298 χ^2/NDF:122.8/36

Out: -2.814+/-1.272 χ^2/NDF:65.8/40

All: -2.034+/-0.908 χ^2/NDF: 189.3/77

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6346.699+/-1.085 χ^2/NDF:382624.4/21

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6376.495+/-1.099 χ^2/NDF:411294.8/20

Left: 6361.411+/-0.772 χ^2/NDF: 794291.3/42

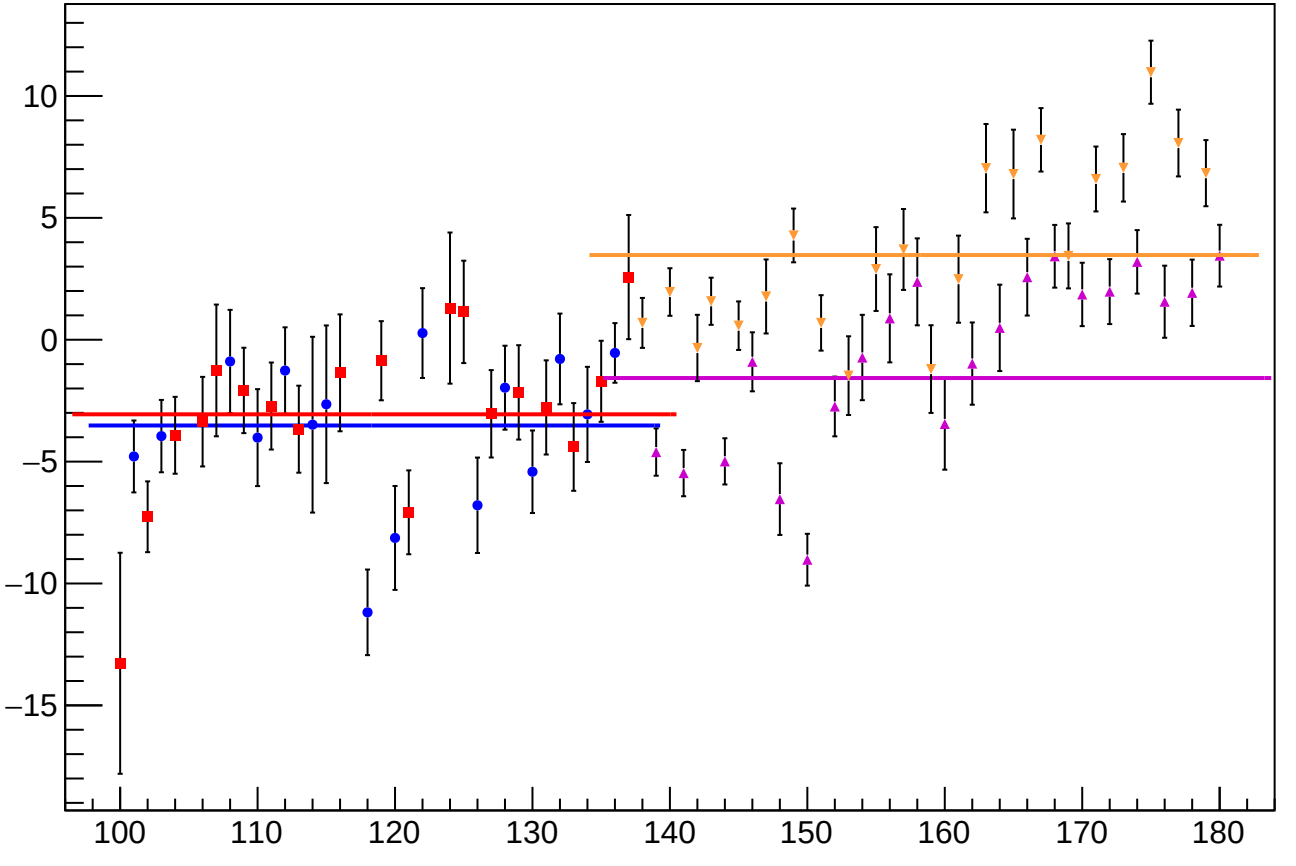
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6341.024+/-0.918 χ^2/NDF:723339.5/36

Out: 6289.541+/-0.900 χ^2/NDF:656539.2/40

All: 6314.774+/-0.642 χ^2/NDF: 1381483.8/77

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.474+/-0.279 χ^2/NDF:137.9/21

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -1.571+/-0.286 χ^2/NDF:187.0/20

Left: 1.014+/-0.199 χ^2/NDF: 484.7/42

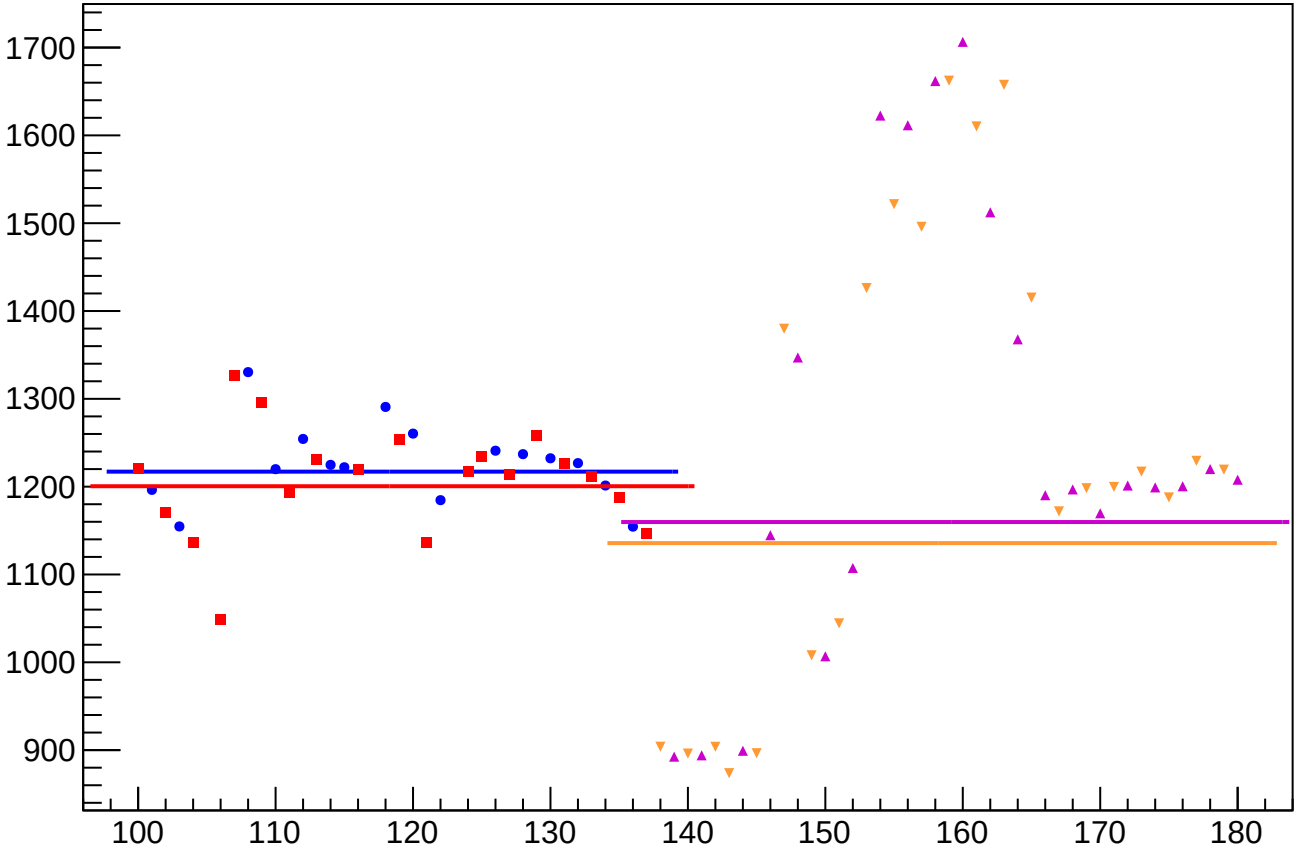
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.126+/-0.242 χ^2/NDF:245.4/36

Out: 1.594+/-0.235 χ^2/NDF:330.9/40

All: -0.216+/-0.169 χ^2/NDF: 698.0/77

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1135.730+/-0.197 χ^2/NDF:1457707.9/21

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1159.722+/-0.202 χ^2/NDF:1259501.7/20

Left: 1147.428+/-0.141 χ^2/NDF: 2724436.4/42

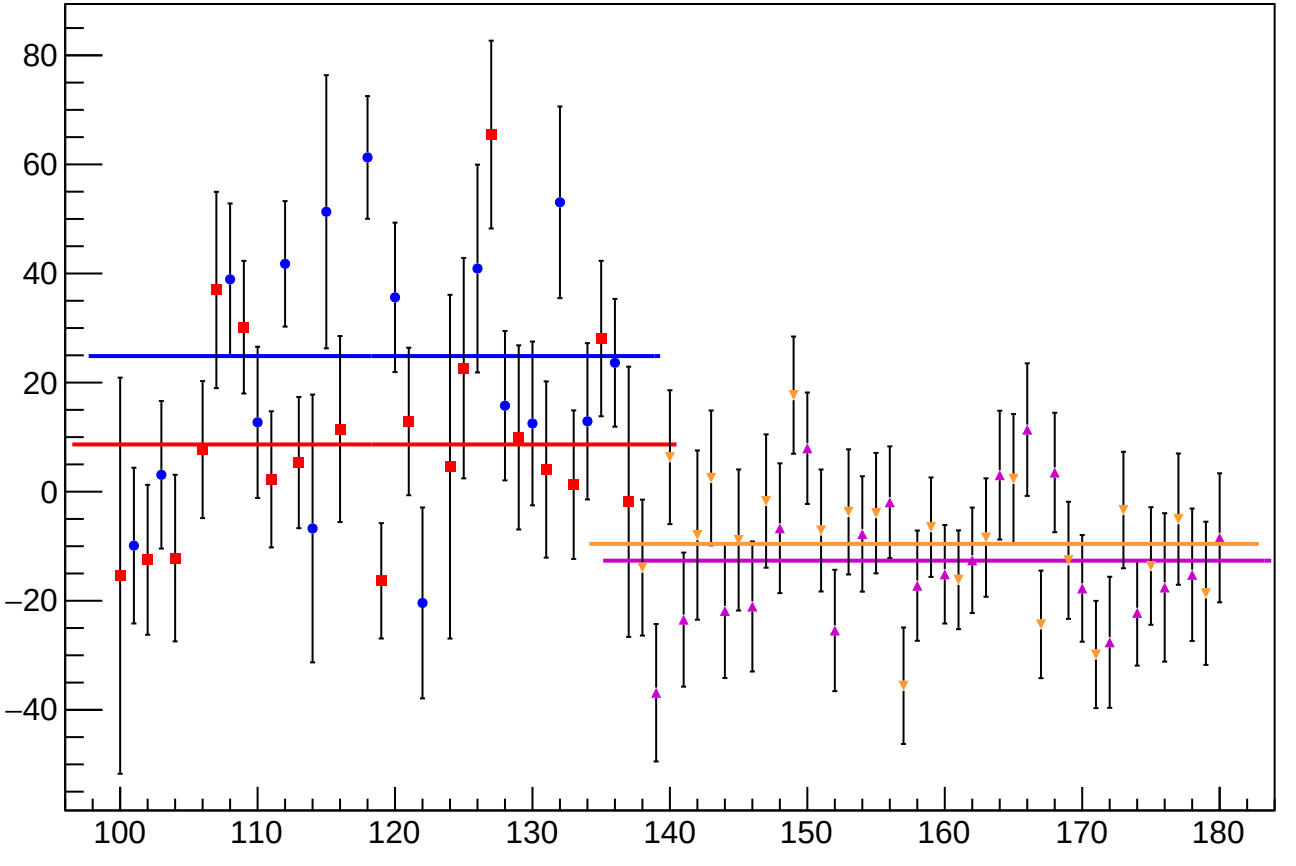
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1176.080+/-0.171 χ^2/NDF:1304181.5/36

Out: 1154.374+/-0.166 χ^2/NDF:1526455.9/40

All: 1164.936+/-0.119 χ^2/NDF: 2838927.7/77

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.569+/-2.378 χ^2/NDF:25.5/21

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.648+/-2.410 χ^2/NDF:23.7/20

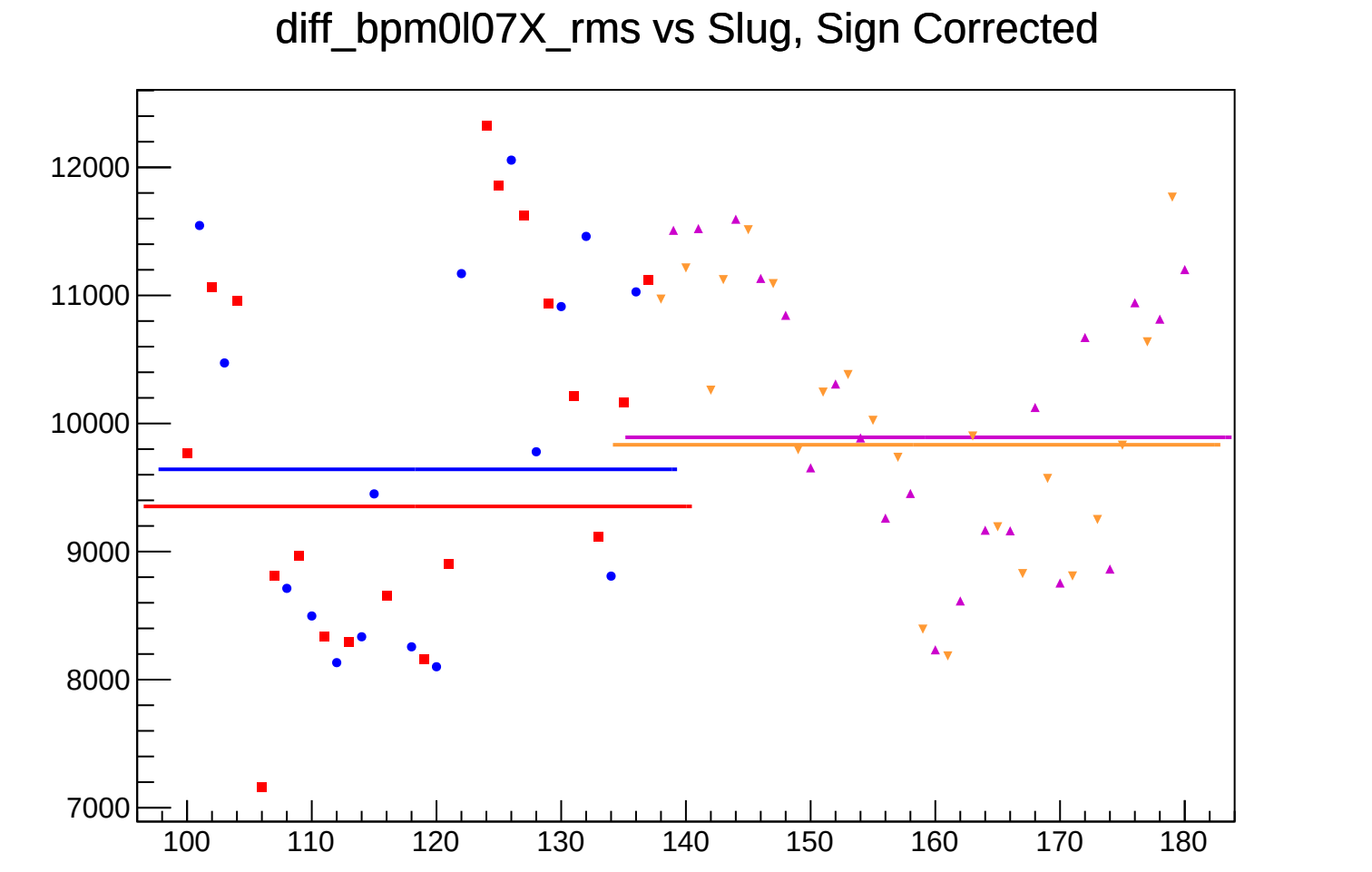
Left: -11.088+/-1.693 χ^2/NDF: 50.0/42

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -1.164+/-2.007 χ^2/NDF:136.0/36

Out: -3.708+/-1.958 χ^2/NDF:74.5/40

All: -2.467+/-1.402 χ^2/NDF: 211.3/77



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9833.744+/-1.681 χ^2/NDF:352349.7/21

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9892.183+/-1.704 χ^2/NDF:380375.2/20

Left: 9862.569+/-1.197 χ^2/NDF: 733320.9/42

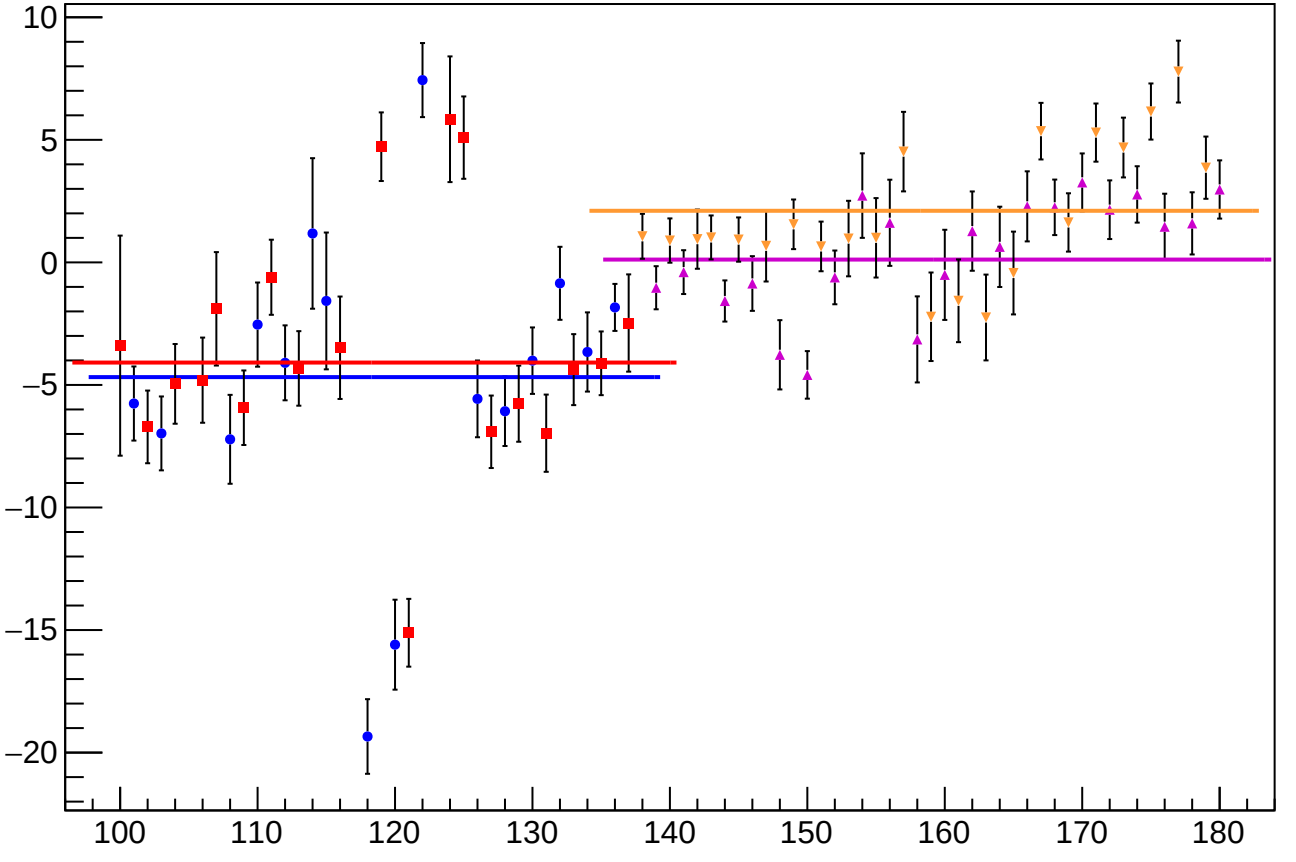
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9815.606+/-1.419 χ^2/NDF:666627.6/36

Out: 9679.001+/-1.385 χ^2/NDF:680474.4/40

All: 9745.615+/-0.991 χ^2/NDF: 1351847.1/77

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.105+/-0.255 χ^2/NDF:87.1/21

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: 0.115+/-0.262 χ^2/NDF:74.9/20

Left: 1.138+/-0.183 χ^2/NDF: 191.5/42

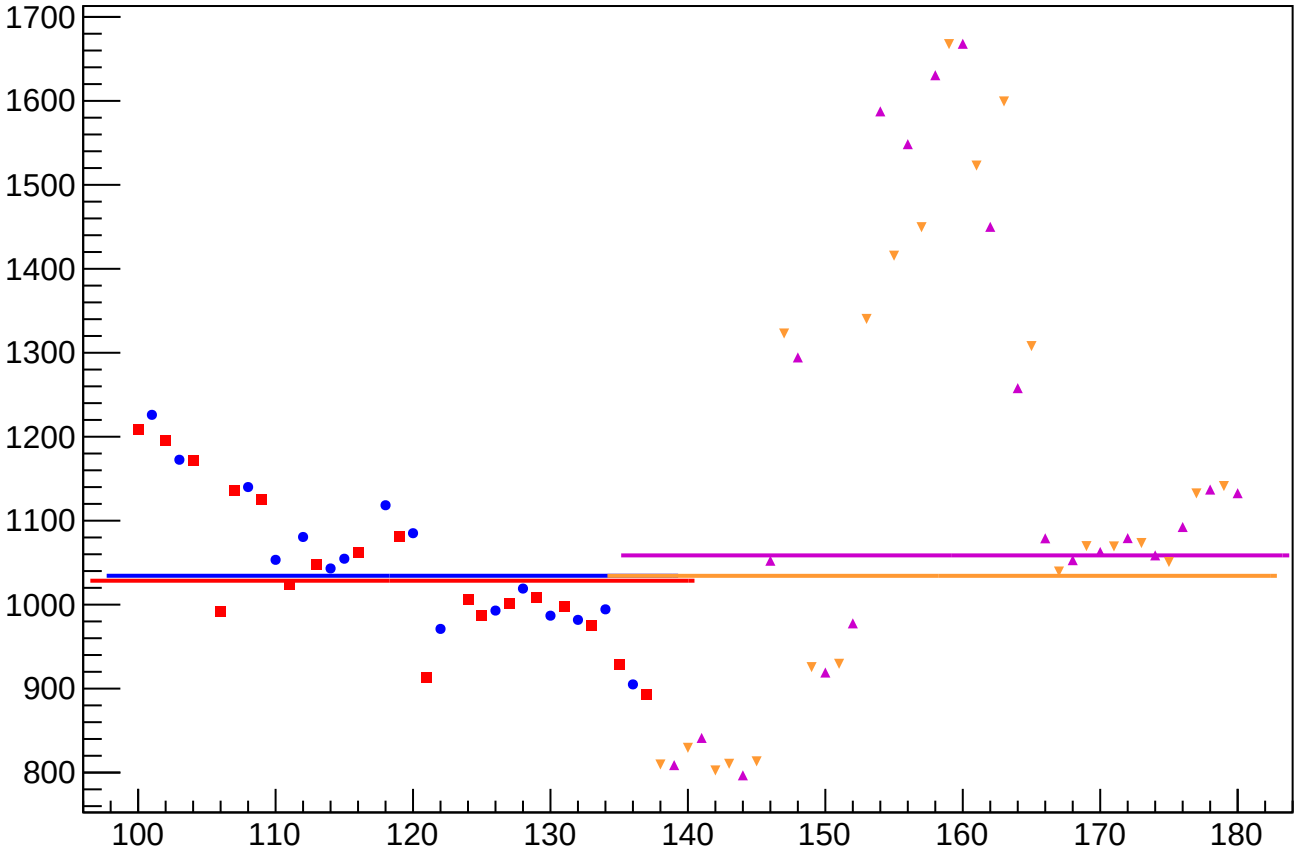
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.402+/-0.217 χ^2/NDF:401.7/36

Out: 0.156+/-0.211 χ^2/NDF:440.6/40

All: -0.602+/-0.151 χ^2/NDF: 868.7/77

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1034.319+/-0.180 χ^2/NDF:1691497.8/21

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1058.657+/-0.186 χ^2/NDF:1521849.0/20

Left: 1046.145+/-0.129 χ^2/NDF: 3222187.8/42

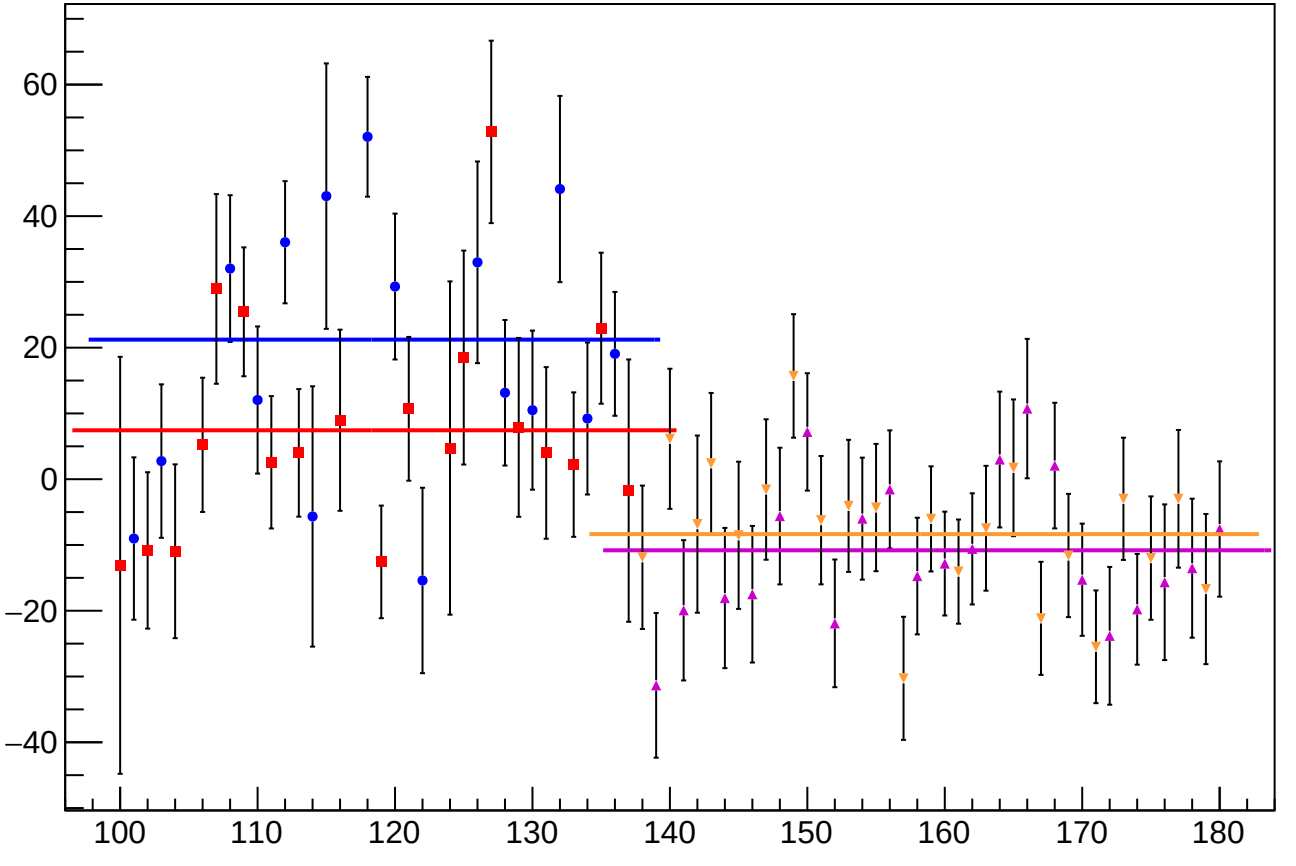
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1050.983+/-0.153 χ^2/NDF:1640532.0/36

Out: 1032.487+/-0.149 χ^2/NDF:1793450.0/40

All: 1041.485+/-0.107 χ^2/NDF: 3441443.0/77

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.351+/-2.075 χ^2/NDF:25.0/21

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.811+/-2.103 χ^2/NDF:23.3/20

Left: -9.564+/-1.477 χ^2/NDF: 49.0/42

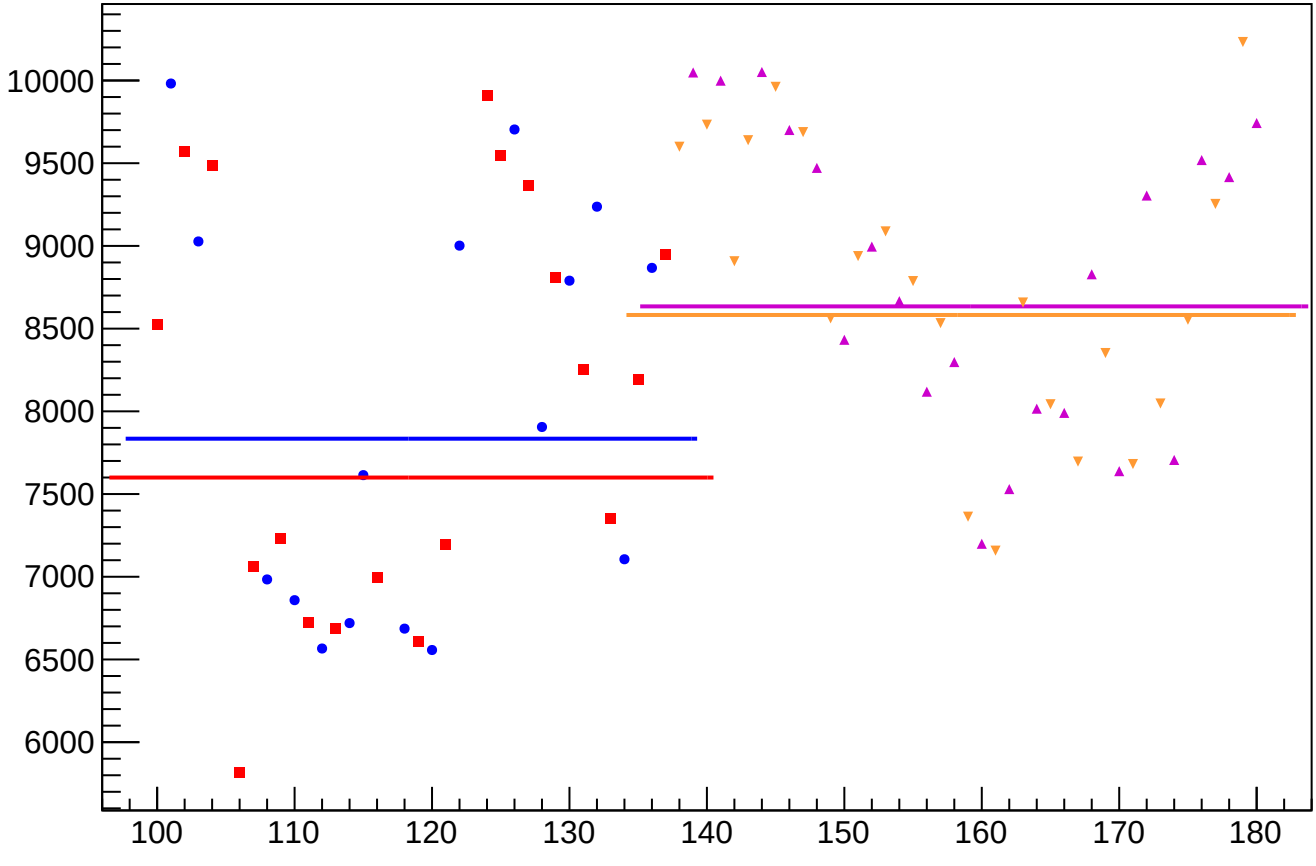
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: -0.025+/-1.713 χ^2/NDF:141.5/36

Out: -2.783+/-1.669 χ^2/NDF:75.2/40

All: -1.439+/-1.195 χ^2/NDF: 218.1/77

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8582.490+/-1.467 χ^2/NDF:339926.9/21

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8634.448+/-1.487 χ^2/NDF:369214.3/20

Left: 8608.116+/-1.044 χ^2/NDF: 709759.9/42

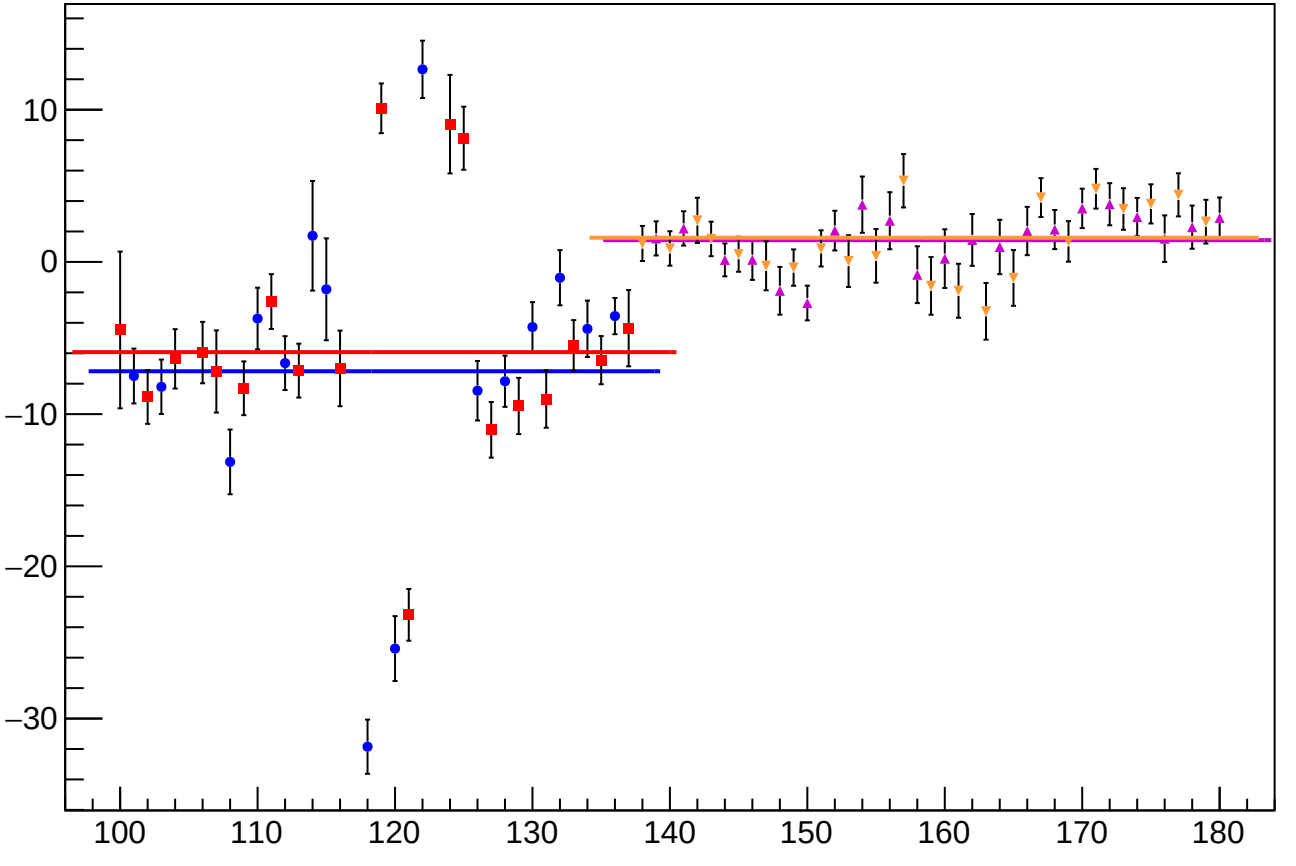
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8365.145+/-1.211 χ^2/NDF:784704.5/36

Out: 8235.828+/-1.180 χ^2/NDF:842521.2/40

All: 8298.816+/-0.845 χ^2/NDF: 1633073.2/77

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.590+/-0.296 χ^2/NDF:47.4/21

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.432+/-0.304 χ^2/NDF:33.7/20

Left: 1.513+/-0.212 χ^2/NDF: 81.2/42

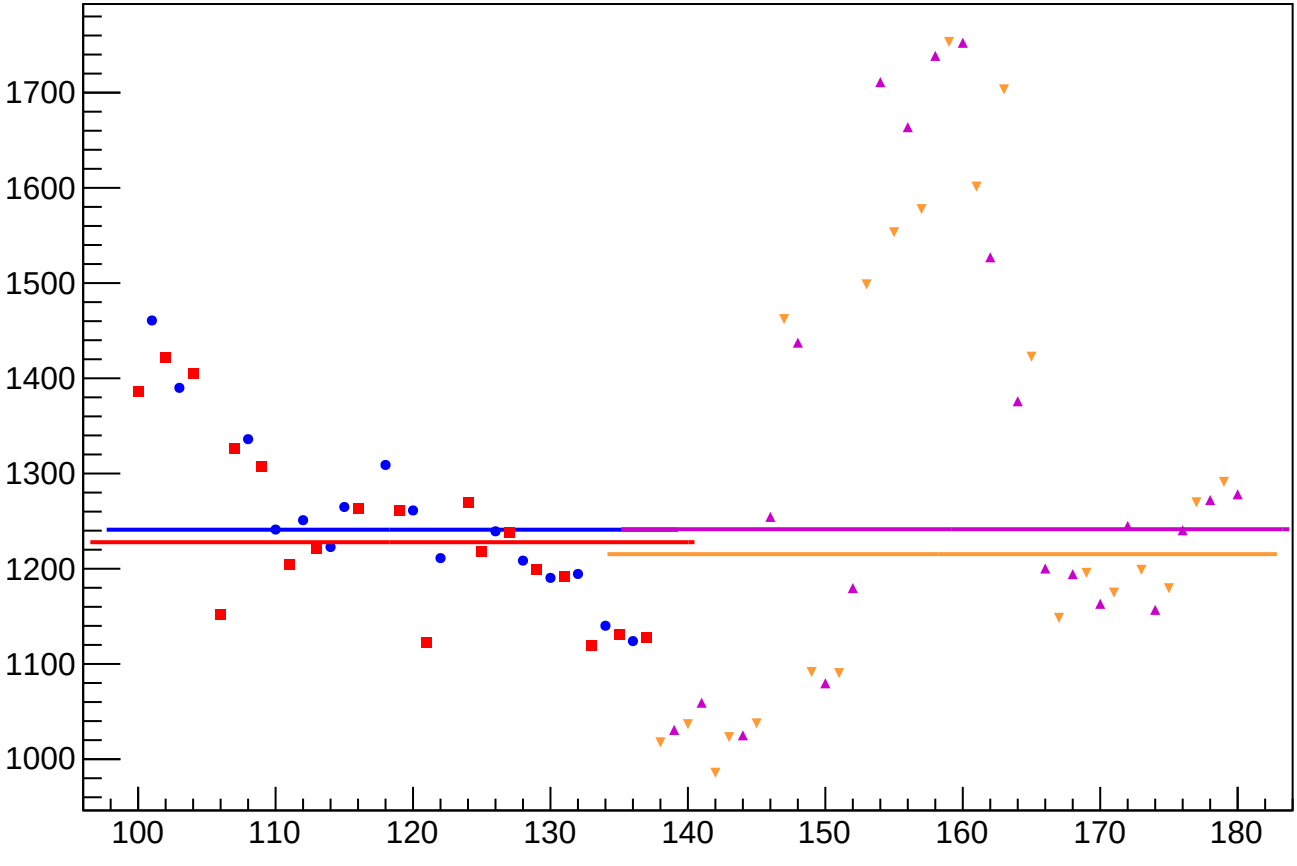
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.172+/-0.254 χ^2/NDF:698.2/36

Out: -0.690+/-0.247 χ^2/NDF:532.9/40

All: -0.924+/-0.177 χ^2/NDF: 1232.9/77

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.327+/-0.210 χ^2/NDF:1003769.9/21

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1241.508+/-0.215 χ^2/NDF:882505.5/20

Left: 1228.071+/-0.150 χ^2/NDF: 1893874.6/42

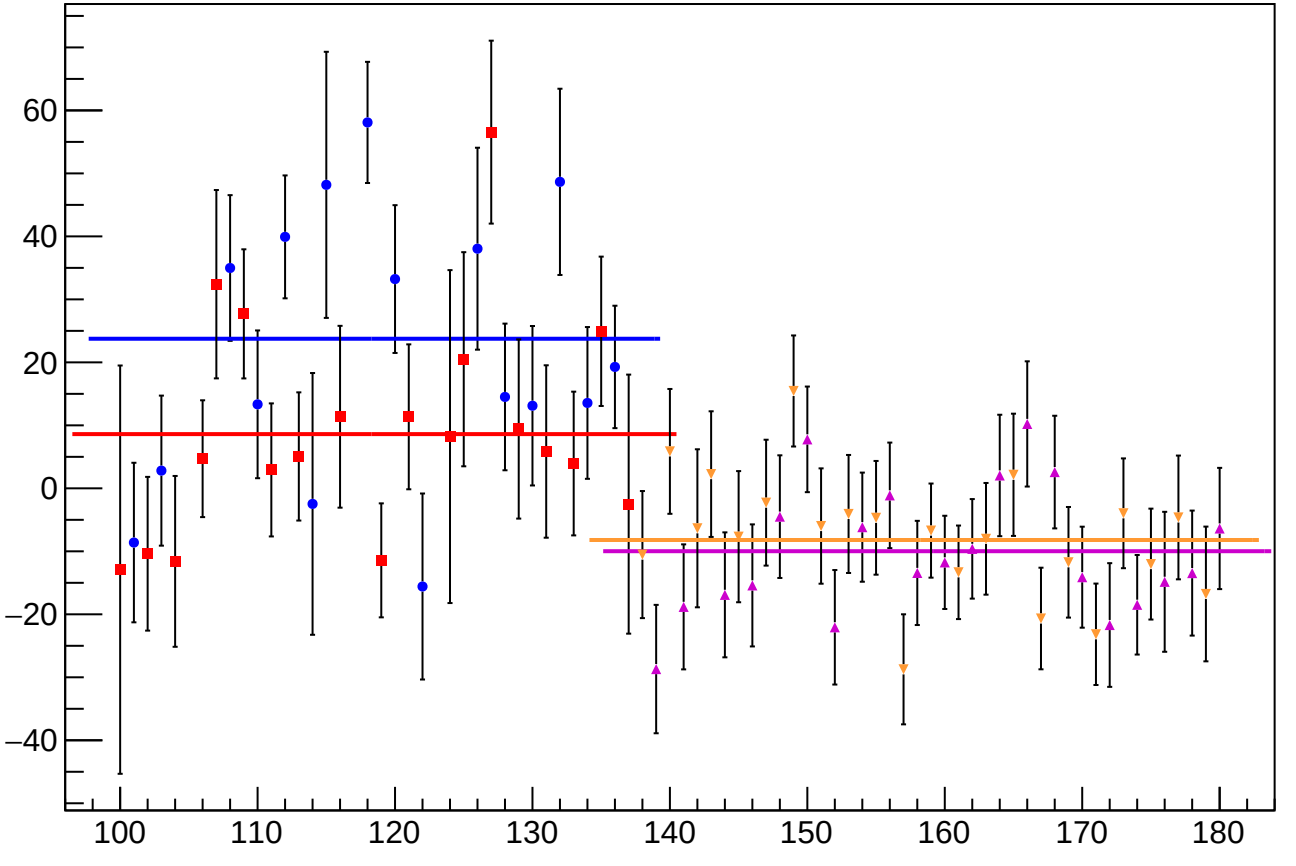
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1241.356+/-0.180 χ^2/NDF:963160.6/36

Out: 1219.129+/-0.175 χ^2/NDF:1087194.7/40

All: 1229.940+/-0.125 χ^2/NDF: 2058211.1/77

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.202+/-1.941 χ^2/NDF:25.5/21

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.982+/-1.968 χ^2/NDF:24.0/20

Left: -9.080+/-1.382 χ^2/NDF: 50.0/42

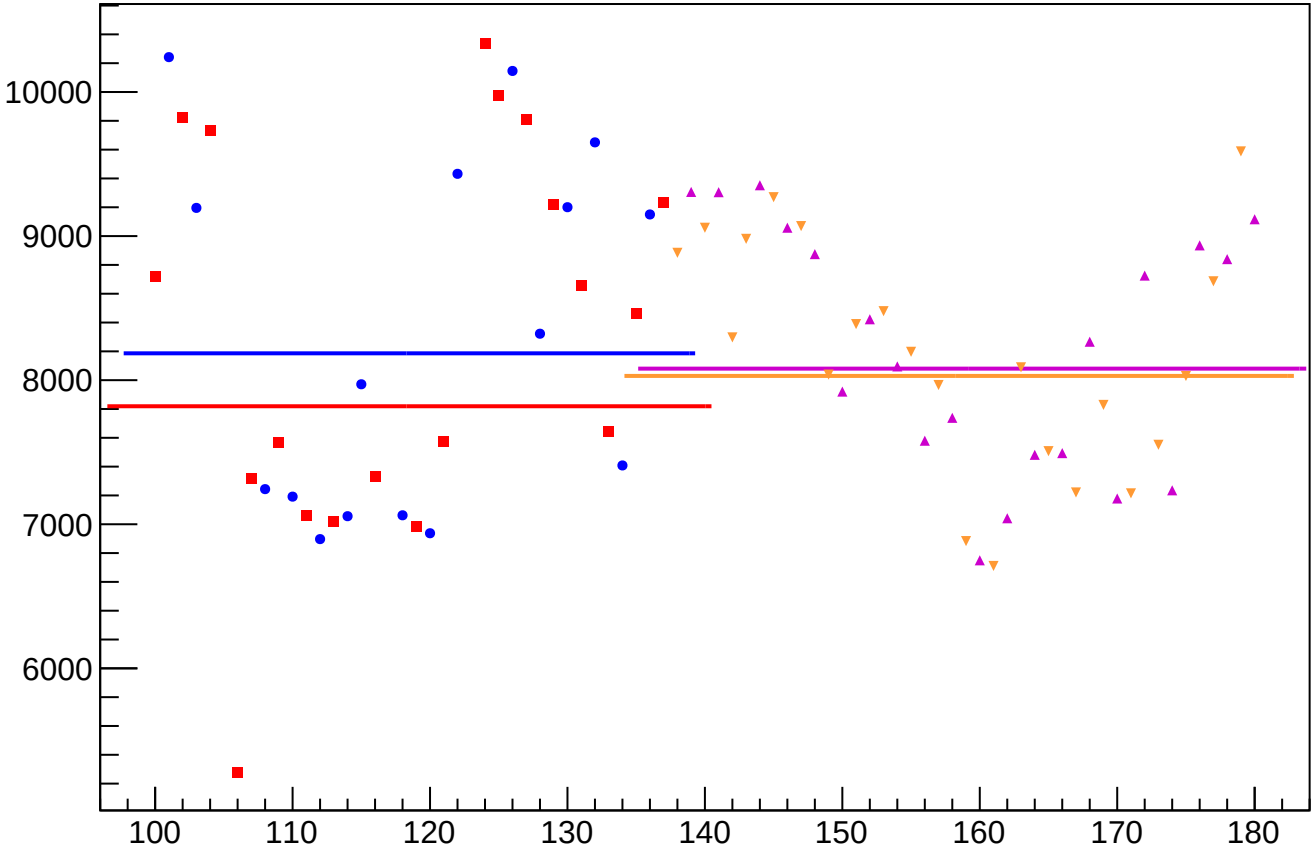
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: -0.212+/-1.658 χ^2/NDF:152.6/36

Out: -3.000+/-1.613 χ^2/NDF:79.2/40

All: -1.645+/-1.156 χ^2/NDF: 233.3/77

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8029.524+/-1.372 χ^2/NDF:328648.1/21

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8080.119+/-1.391 χ^2/NDF:358404.4/20

Left: 8054.472+/-0.977 χ^2/NDF: 687722.9/42

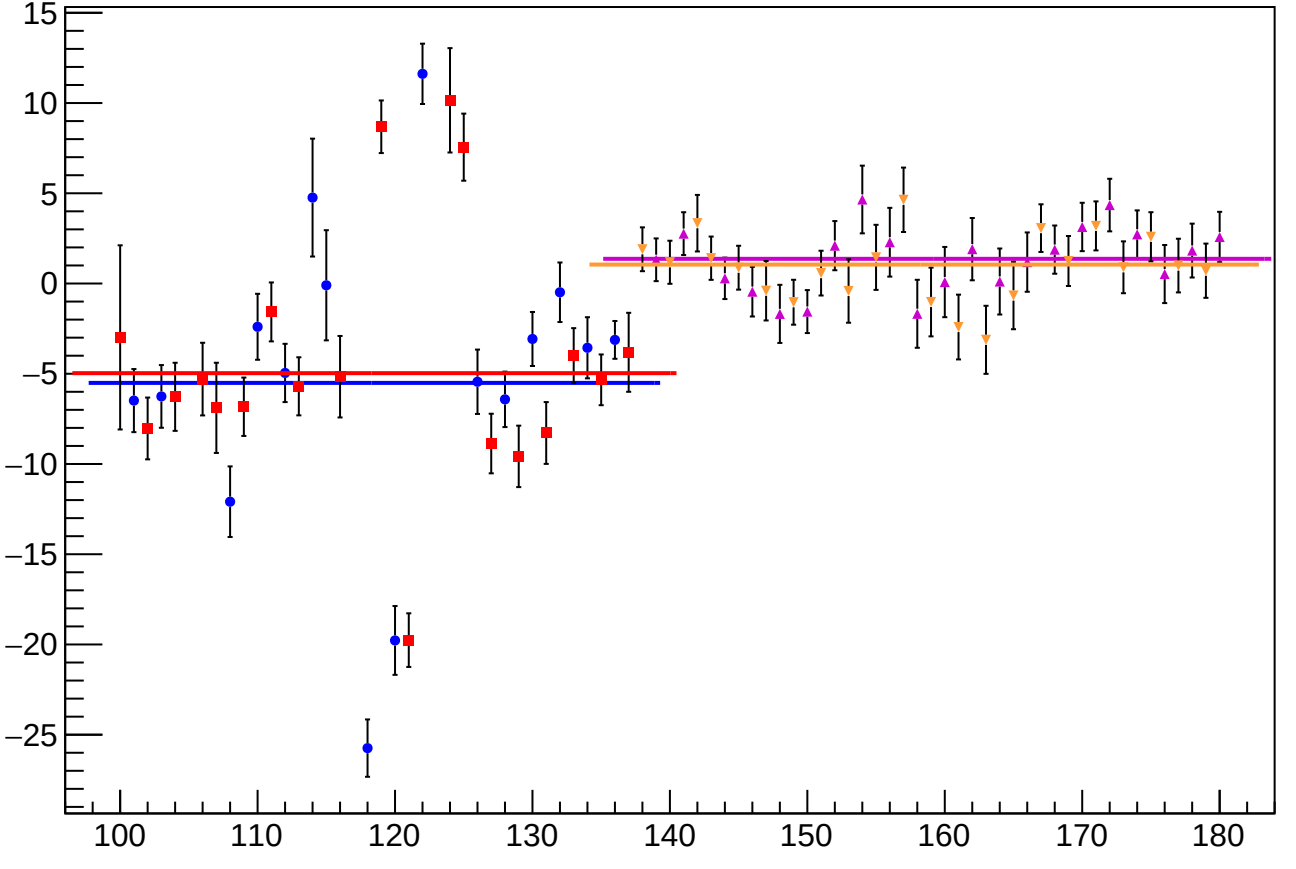
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8110.890+/-1.173 χ^2/NDF:650722.1/36

Out: 7964.371+/-1.140 χ^2/NDF:758932.2/40

All: 8035.583+/-0.817 χ^2/NDF: 1417678.8/77

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.050+/-0.309 χ^2/NDF:28.1/21

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.368+/-0.317 χ^2/NDF:29.1/20

Left: 1.205+/-0.221 χ^2/NDF: 57.7/42

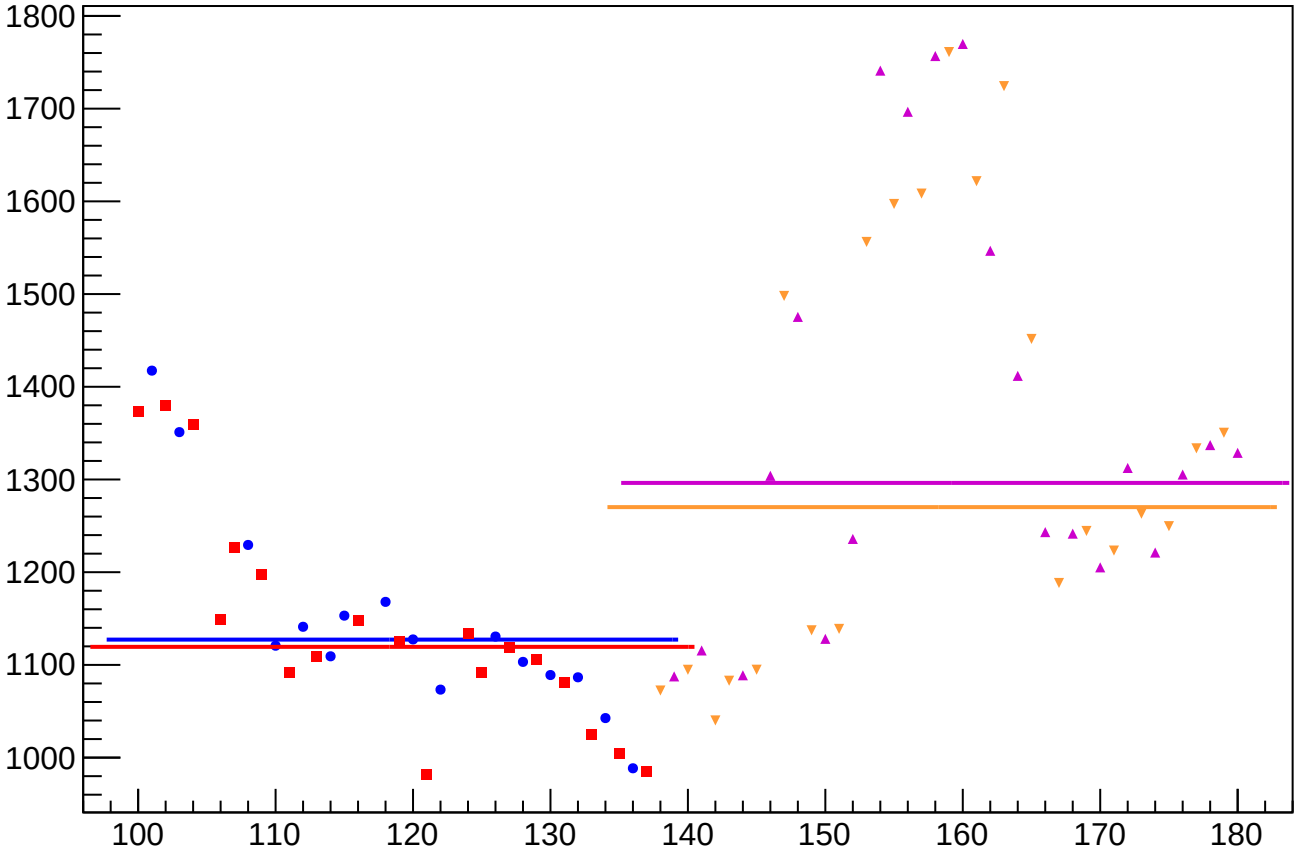
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.119+/-0.253 χ^2/NDF:569.1/36

Out: -1.126+/-0.247 χ^2/NDF:452.7/40

All: -1.123+/-0.177 χ^2/NDF: 1021.8/77

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1270.192+/-0.218 χ^2/NDF:868906.0/21

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1296.305+/-0.224 χ^2/NDF:755173.4/20

Left: 1282.914+/-0.156 χ^2/NDF: 1631043.0/42

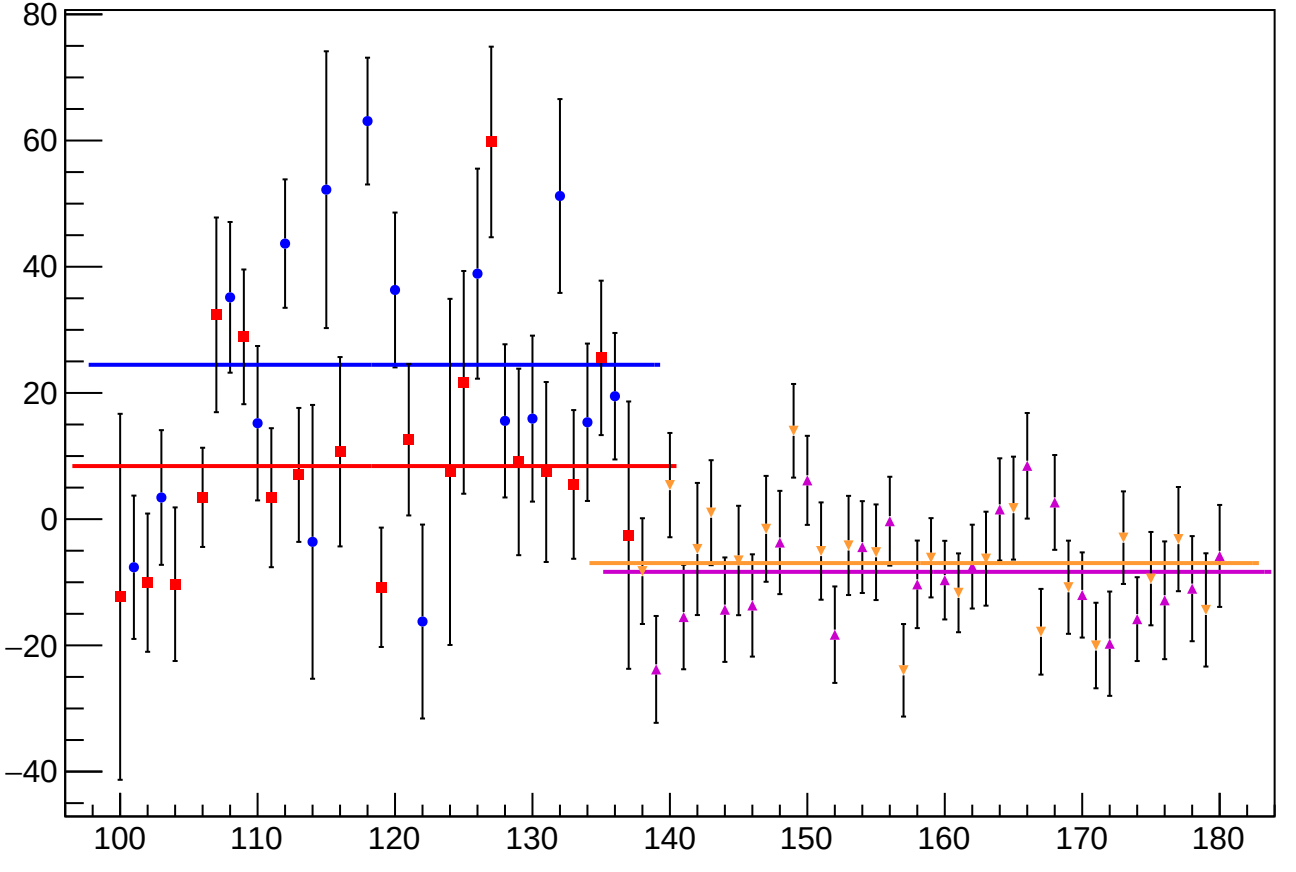
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1235.153+/-0.179 χ^2/NDF:1101626.1/36

Out: 1215.676+/-0.175 χ^2/NDF:1181867.6/40

All: 1225.166+/-0.125 χ^2/NDF: 2289563.6/77

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.961+/-1.629 χ^2/NDF:26.8/21

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.352+/-1.652 χ^2/NDF:24.6/20

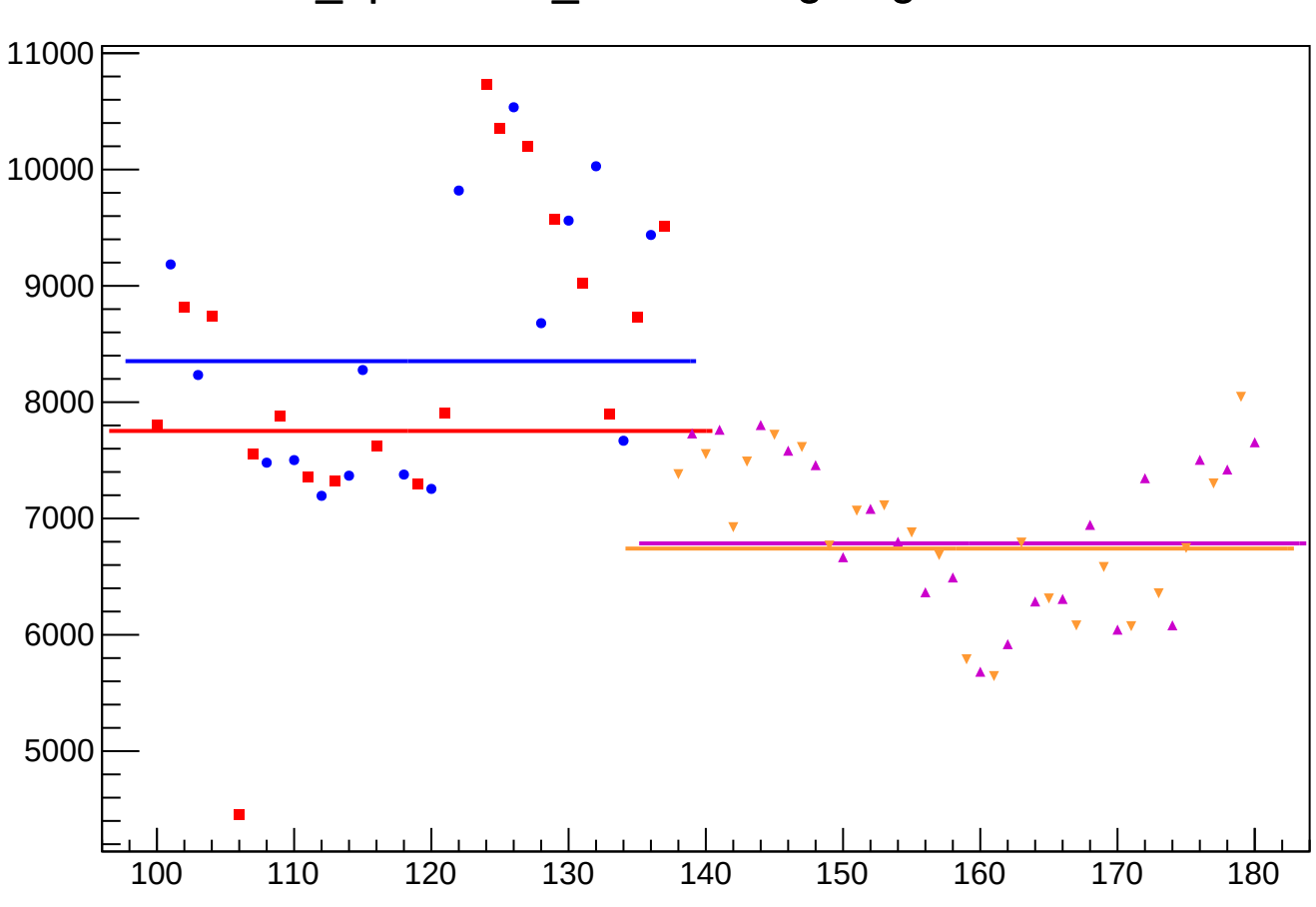
Left: -7.647+/-1.160 χ^2/NDF: 51.8/42

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.225+/-1.462 χ^2/NDF:158.6/36

Out: -3.257+/-1.419 χ^2/NDF:79.4/40

All: -2.271+/-1.018 χ^2/NDF: 239.0/77



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.493+/-1.152 χ^2/NDF:313046.0/21

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6785.839+/-1.168 χ^2/NDF:344291.4/20

Left: 6763.353+/-0.820 χ^2/NDF: 658068.2/42

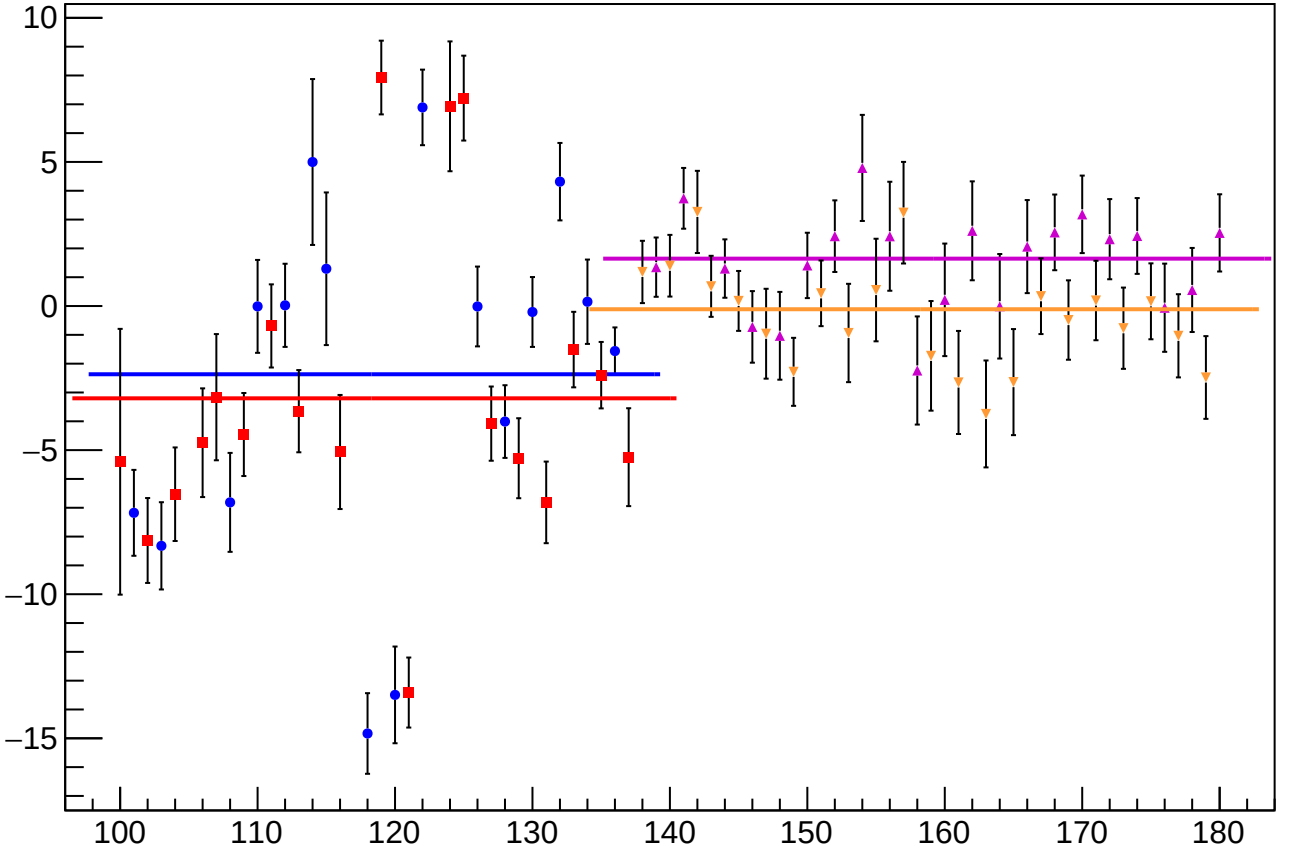
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7126.157+/-1.033 χ^2/NDF:955533.5/36

Out: 6985.132+/-1.003 χ^2/NDF:1086847.3/40

All: 7053.565+/-0.720 χ^2/NDF: 2051965.7/77

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.112+/-0.291 χ^2/NDF:29.7/21

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.644+/-0.299 χ^2/NDF:25.0/20

Left: 0.743+/-0.209 χ^2/NDF: 72.4/42

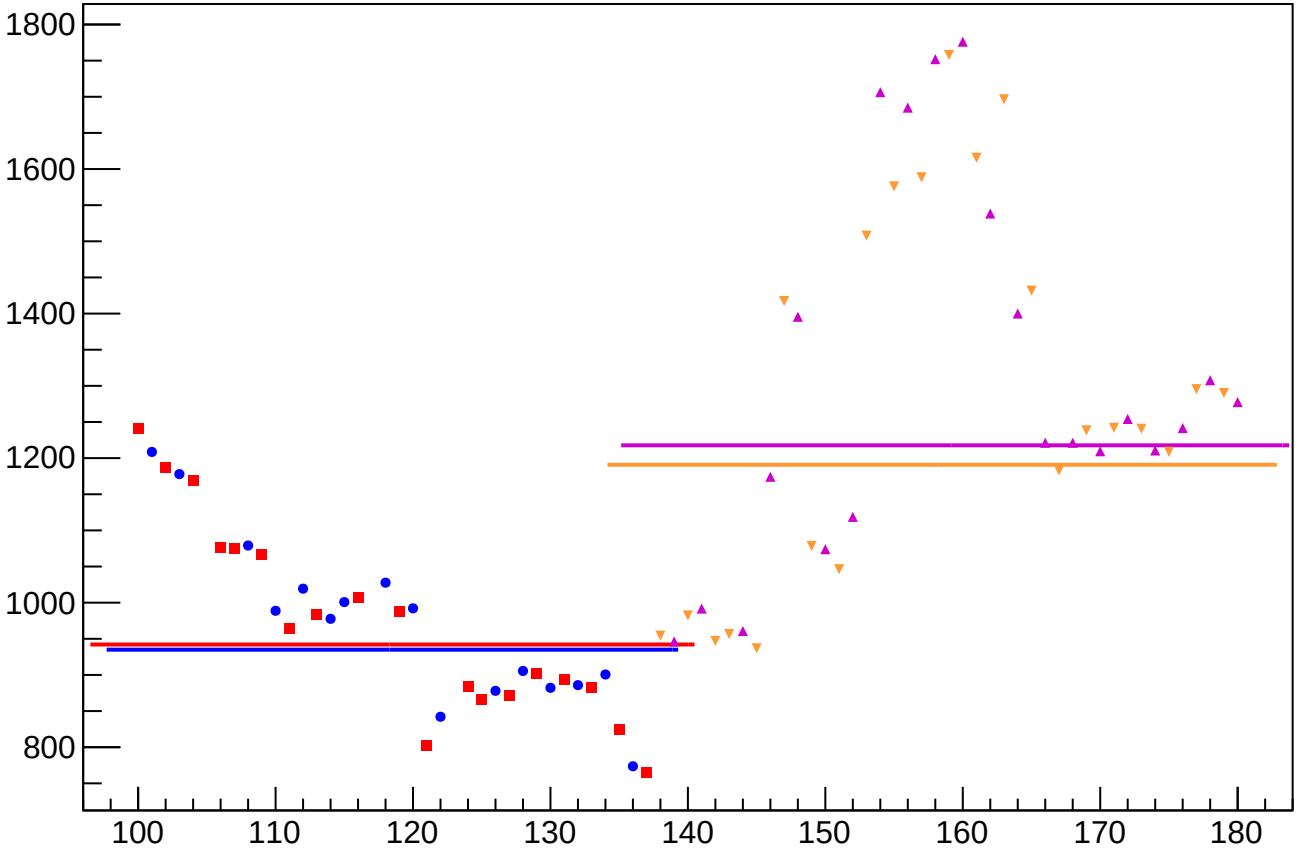
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.049+/-0.228 χ^2/NDF:356.4/36

Out: -1.393+/-0.223 χ^2/NDF:326.8/40

All: -0.735+/-0.159 χ^2/NDF: 701.0/77

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1190.836+/-0.206 χ^2/NDF:1306106.2/21

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1217.707+/-0.212 χ^2/NDF:1126699.8/20

Left: 1203.909+/-0.148 χ^2/NDF: 2441076.4/42

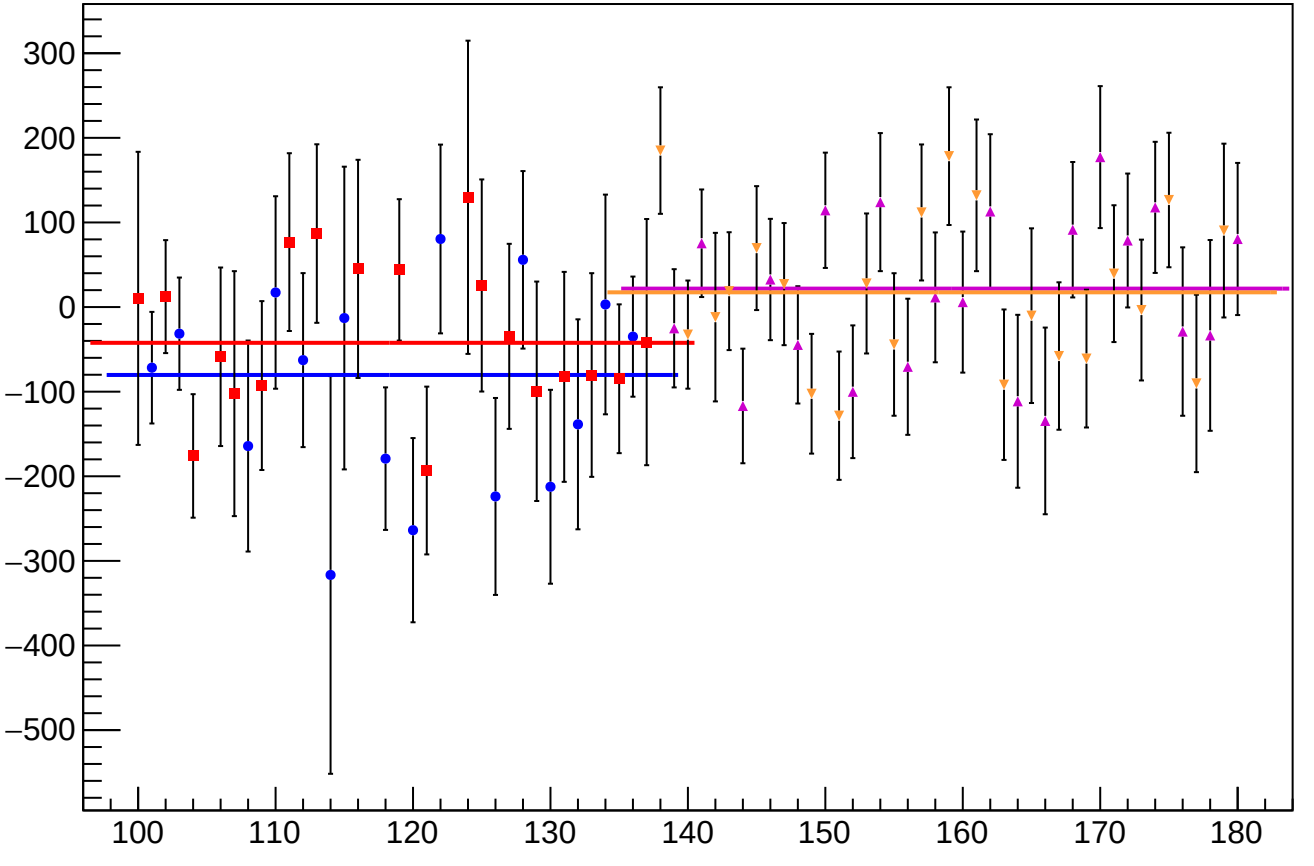
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1098.398+/-0.161 χ^2/NDF:2133489.0/36

Out: 1087.719+/-0.158 χ^2/NDF:2142415.7/40

All: 1092.949+/-0.113 χ^2/NDF: 4278150.1/77

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 17.414+/-17.292 χ^2/NDF:27.1/21

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 21.794+/-17.421 χ^2/NDF:25.4/20

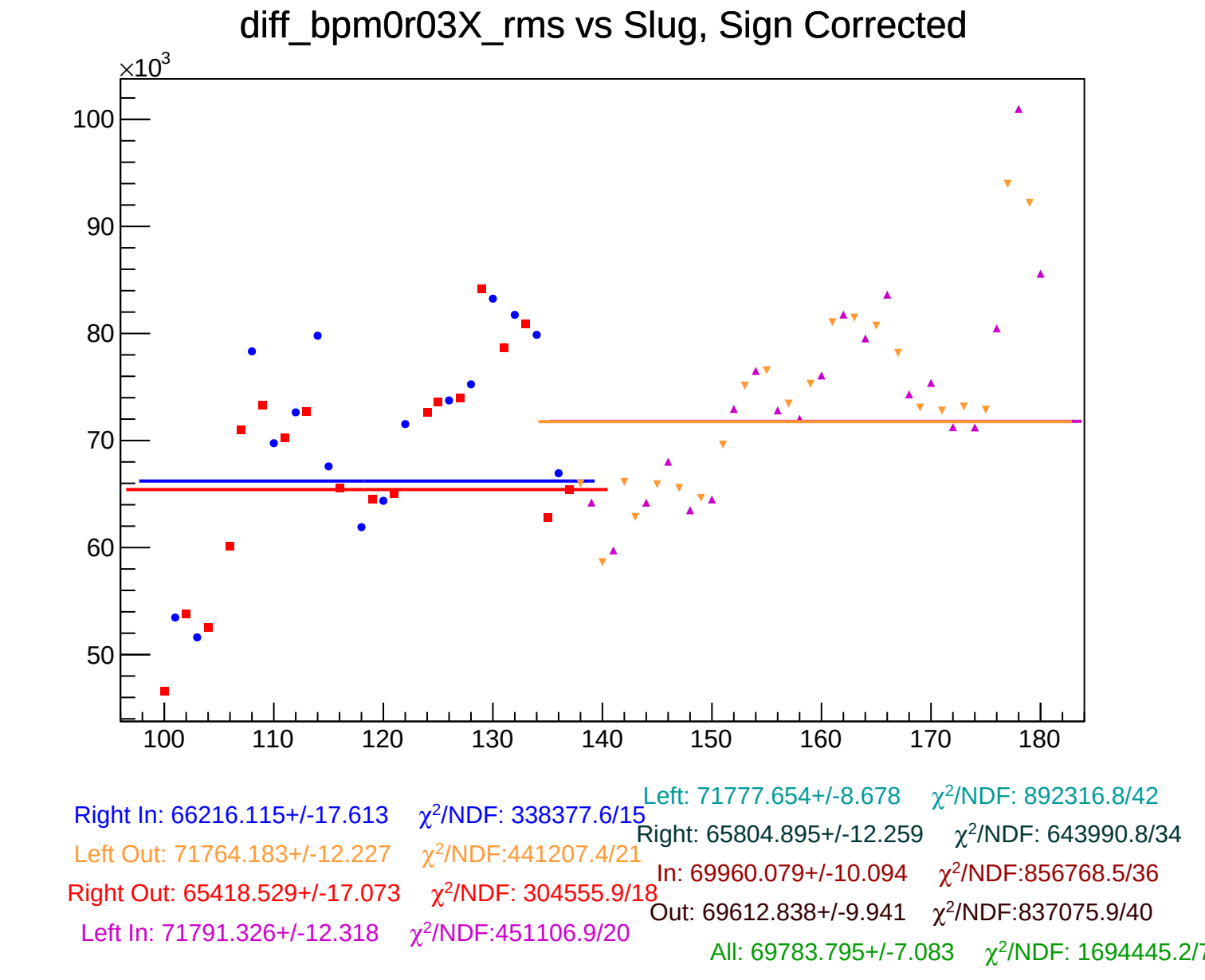
Left: 19.588+/-12.272 χ^2/NDF: 52.5/42

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

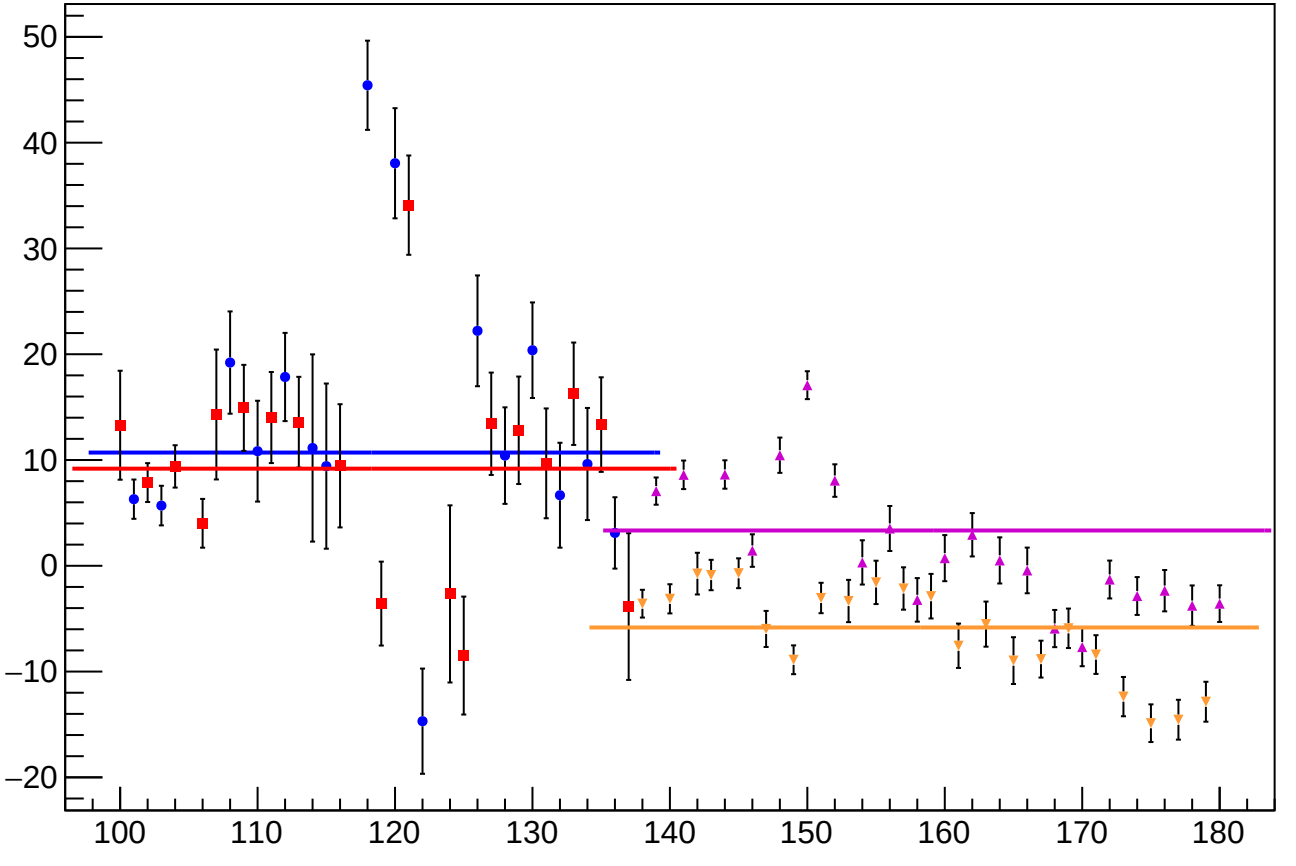
In: -11.723+/-14.276 χ^2/NDF:51.4/36

Out: -2.818+/-14.058 χ^2/NDF:44.1/40

All: -7.202+/-10.017 χ^2/NDF: 95.8/77


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
110
120
130
140
150
160
170
180
Right In: 66216.115+/-17.613 χ²/NDF: 338377.6/15
Left Out: 71764.183+/-12.227 χ²/NDF:441207.4/21
Right Out: 65418.529+/-17.073 χ²/NDF: 304555.9/18
Left In: 71791.326+/-12.318 χ²/NDF:451106.9/20
Left: 71777.654+/-8.678 χ²/NDF: 892316.8/42
Right: 65804.895+/-12.259 χ²/NDF: 643990.8/34
In: 69960.079+/-10.094 χ²/NDF:856768.5/36
Out: 69612.838+/-9.941 χ²/NDF:837075.9/40
All: 69783.795+/-7.083 χ²/NDF: 1694445.2/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.832+/-0.367 χ^2/NDF:139.7/21

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 3.338+/-0.373 χ^2/NDF:316.9/20

Left: -1.325+/-0.262 χ^2/NDF: 763.0/42

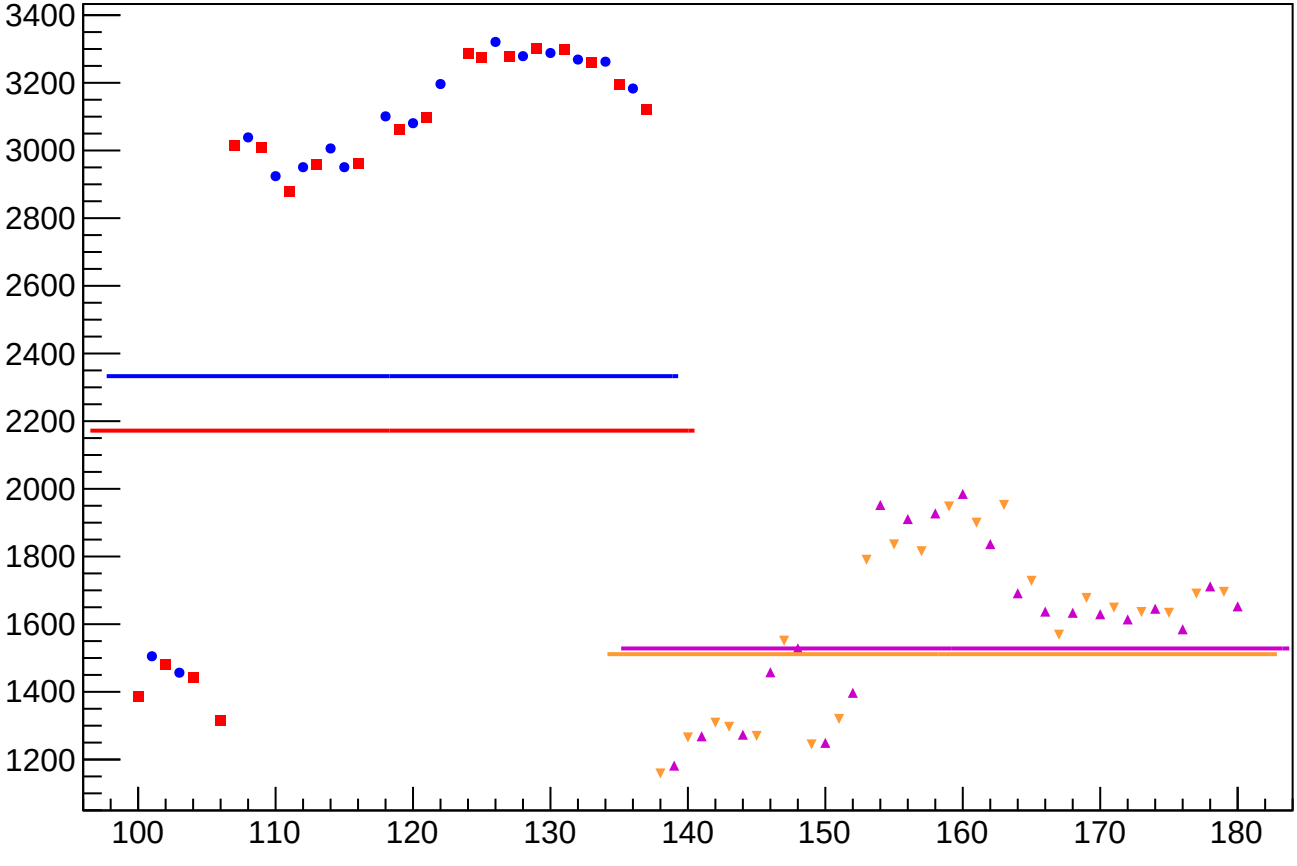
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 4.379+/-0.346 χ^2/NDF:527.4/36

Out: -3.471+/-0.337 χ^2/NDF:472.1/40

All: 0.351+/-0.241 χ^2/NDF: 1263.5/77

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1511.368+/-0.260 χ^2/NDF:925279.2/21

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1528.195+/-0.264 χ^2/NDF:827666.9/20

Left: 1519.638+/-0.185 χ^2/NDF: 1755010.3/42

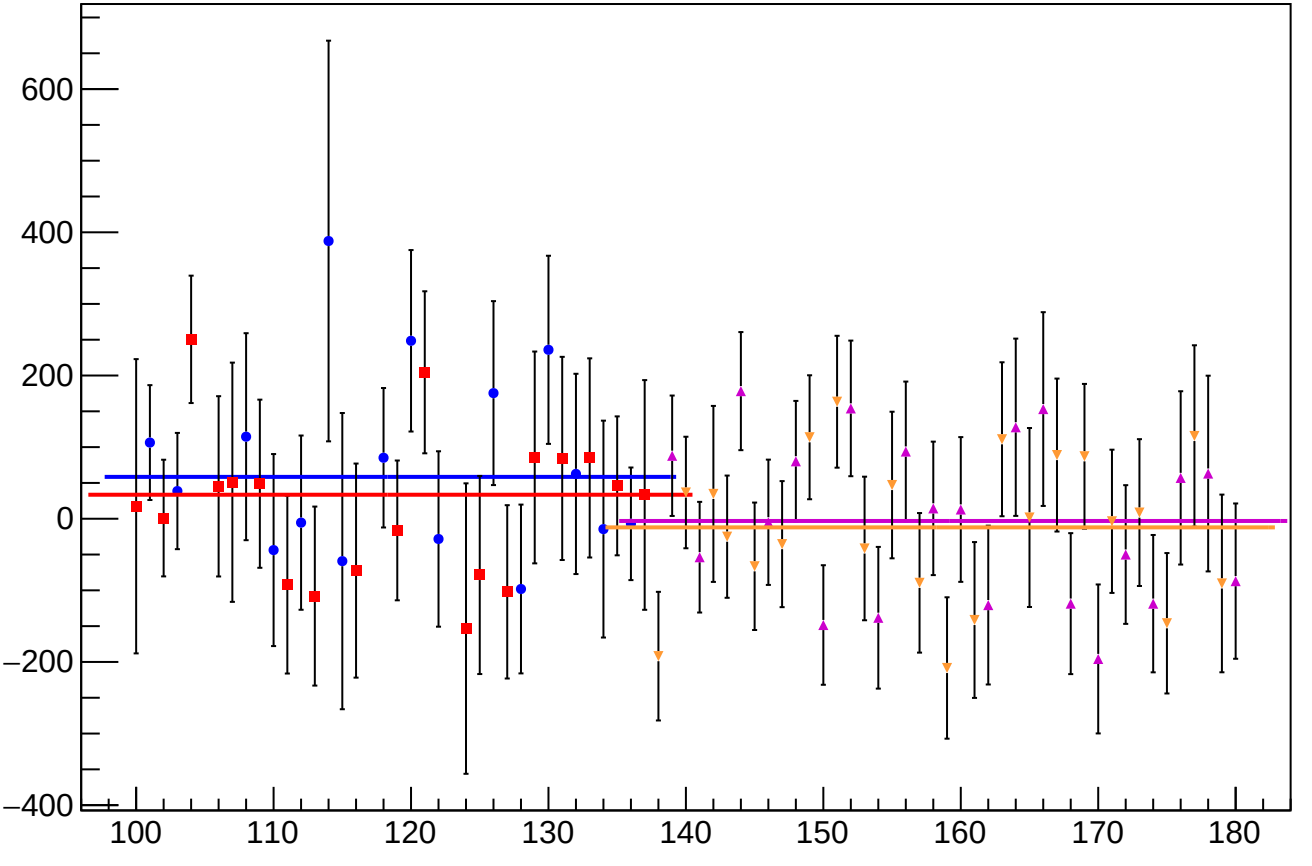
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.955+/-0.245 χ^2/NDF:3791748.0/36

Out: 1615.254+/-0.238 χ^2/NDF:3927437.0/40

All: 1628.254+/-0.171 χ^2/NDF: 7725293.7/77

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.071+/-21.087 χ^2/NDF:23.7/21

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -3.128+/-21.217 χ^2/NDF:27.3/20

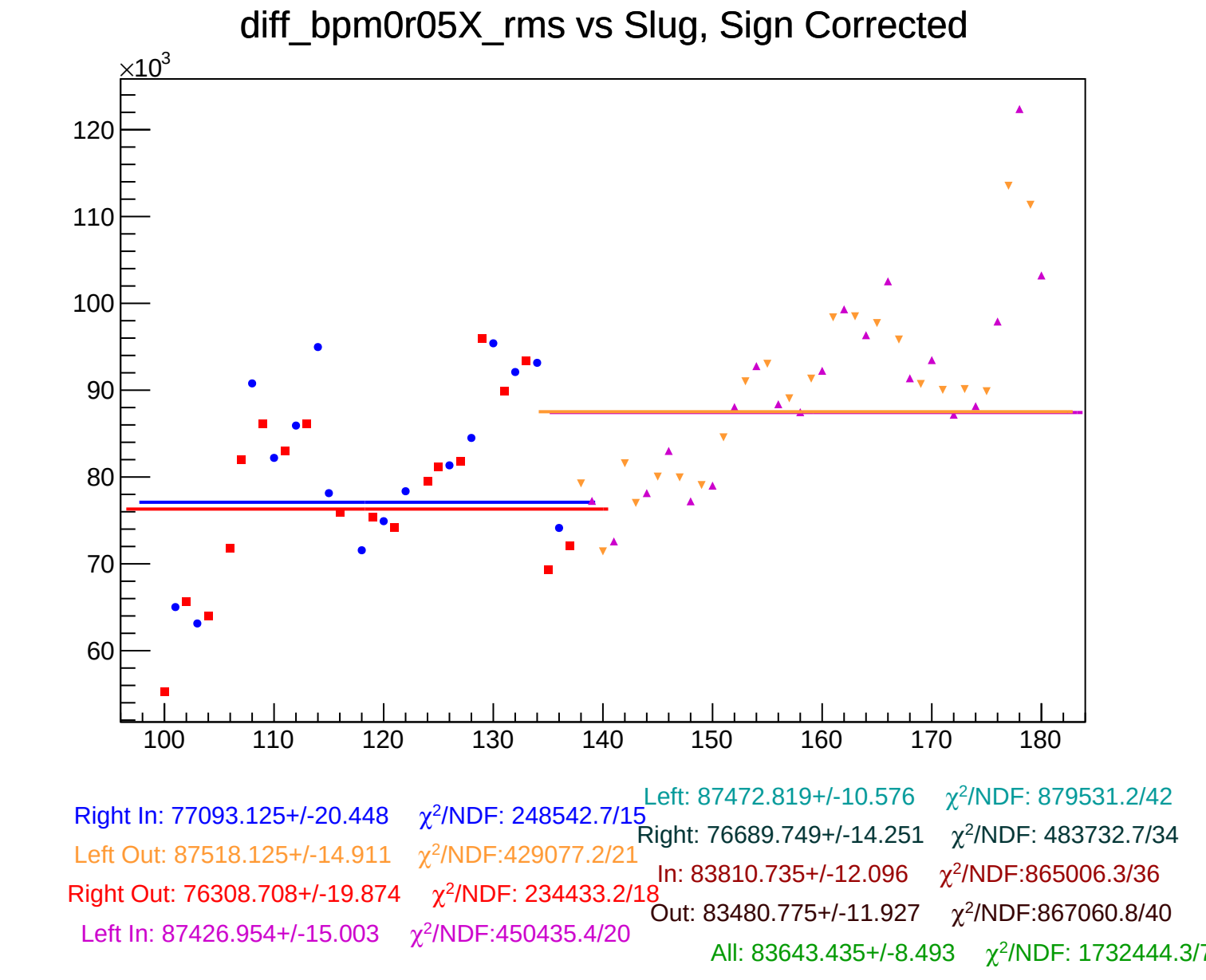
Left: -7.627+/-14.957 χ^2/NDF: 51.0/42

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

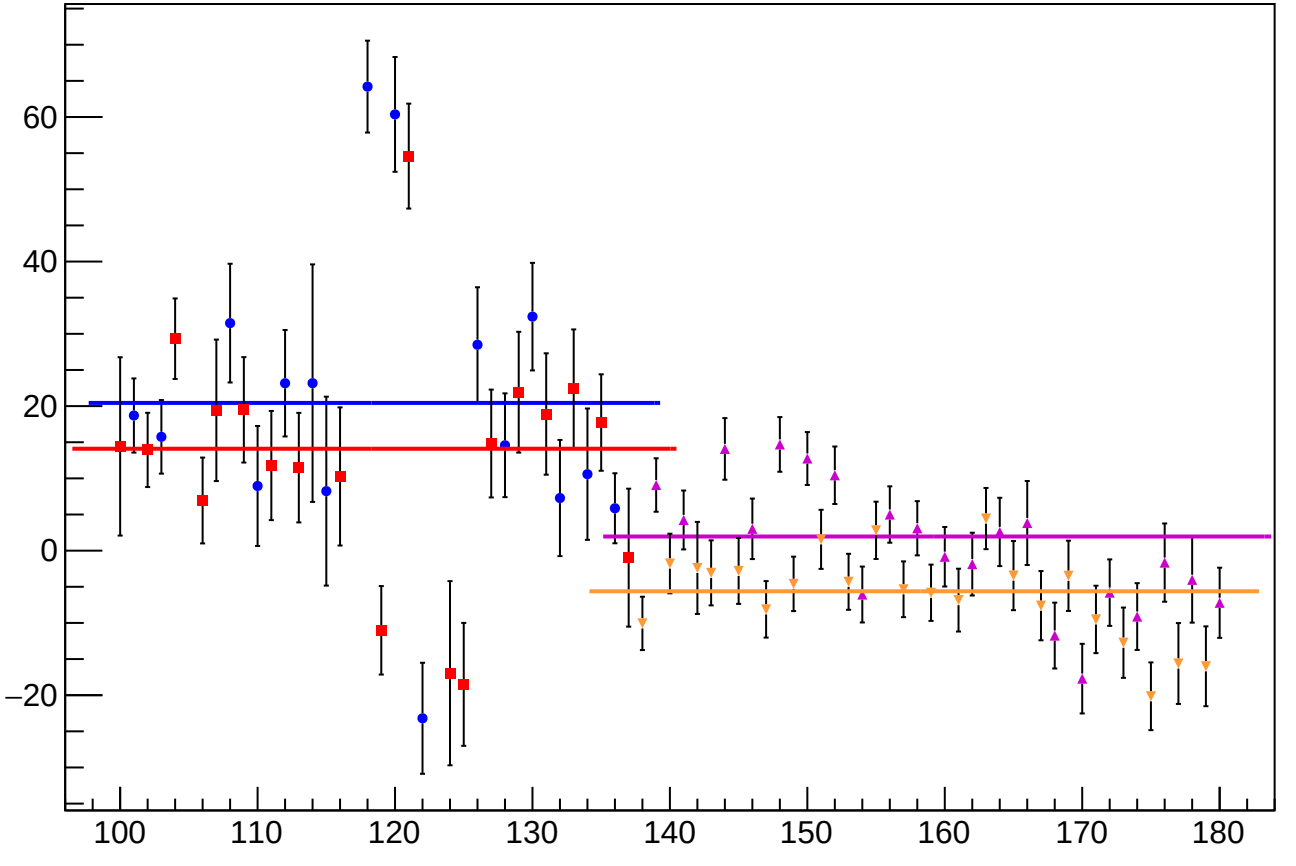
In: 18.419+/-17.106 χ^2/NDF:41.5/36

Out: 4.350+/-16.867 χ^2/NDF:40.0/40

All: 11.286+/-12.011 χ^2/NDF: 81.9/77


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 87518.125+/-14.911 χ²/NDF:429077.2/21
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 87426.954+/-15.003 χ²/NDF:450435.4/20
Left: 87472.819+/-10.576 χ²/NDF: 879531.2/42
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 83810.735+/-12.096 χ²/NDF:865006.3/36
Out: 83480.775+/-11.927 χ²/NDF:867060.8/40
All: 83643.435+/-8.493 χ²/NDF: 1732444.3/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.620+/-0.932 χ^2/NDF:37.0/21

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 1.959+/-0.939 χ^2/NDF:82.5/20

Left: -1.858+/-0.662 χ^2/NDF: 152.2/42

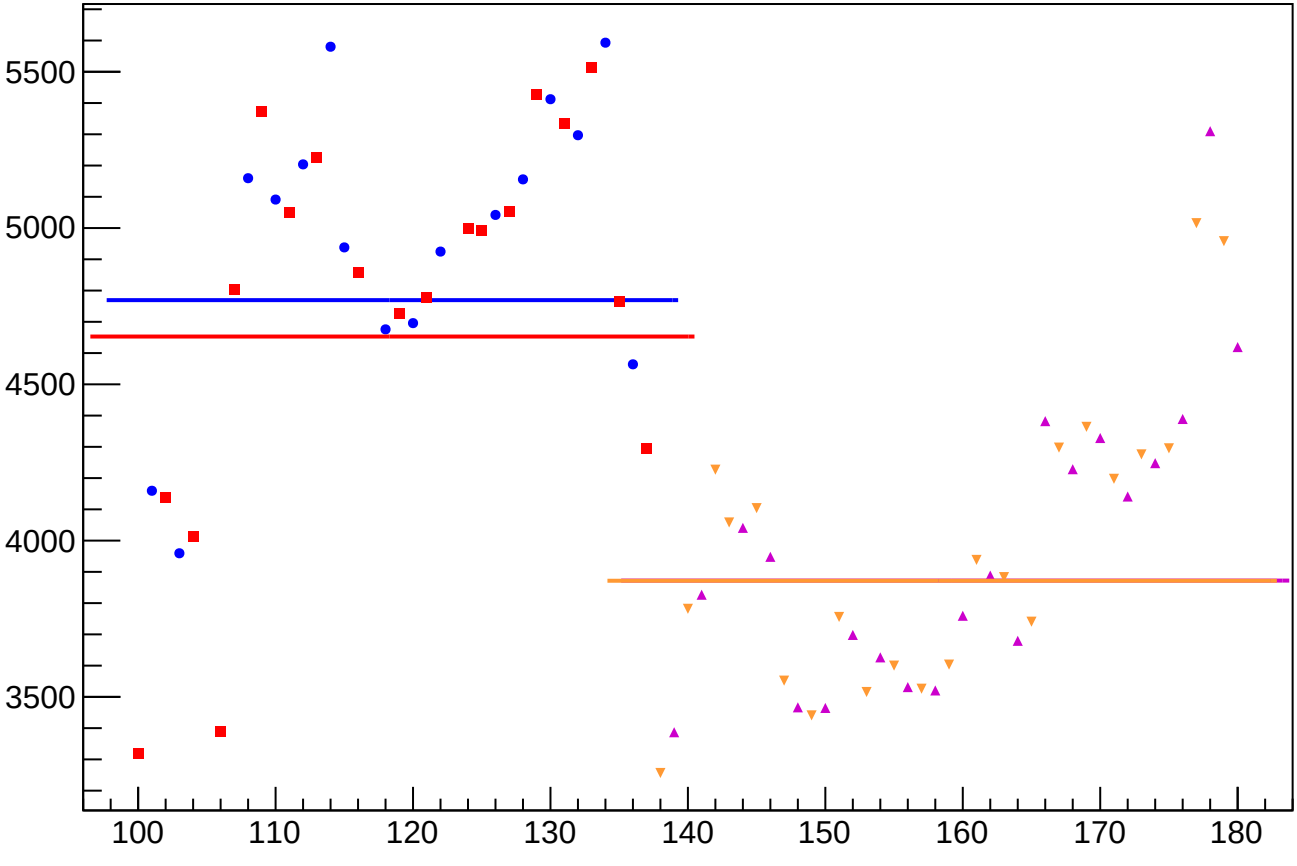
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 5.977+/-0.831 χ^2/NDF:294.5/36

Out: -1.115+/-0.819 χ^2/NDF:222.9/40

All: 2.380+/-0.583 χ^2/NDF: 554.4/77

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3871.585+/-0.659 χ^2/NDF:403578.3/21

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3872.089+/-0.664 χ^2/NDF:384687.5/20

Left: 3871.835+/-0.468 χ^2/NDF: 788266.1/42

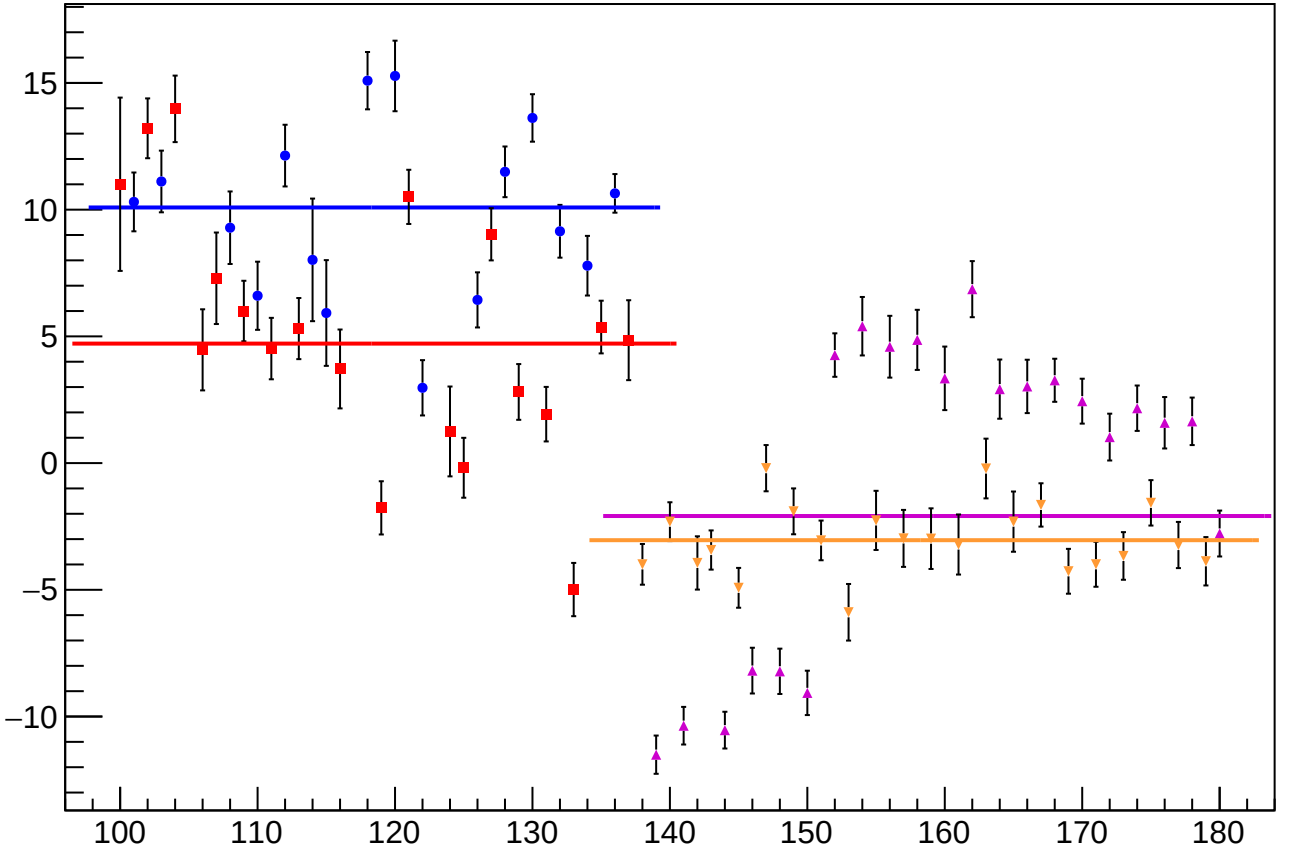
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4067.152+/-0.587 χ^2/NDF:933227.5/36

Out: 4050.052+/-0.579 χ^2/NDF:989533.4/40

All: 4058.479+/-0.412 χ^2/NDF: 1923190.6/77

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.042+/-0.199 χ^2/NDF:43.1/21

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.088+/-0.203 χ^2/NDF:988.8/20

Left: -2.575+/-0.142 χ^2/NDF: 1043.1/42

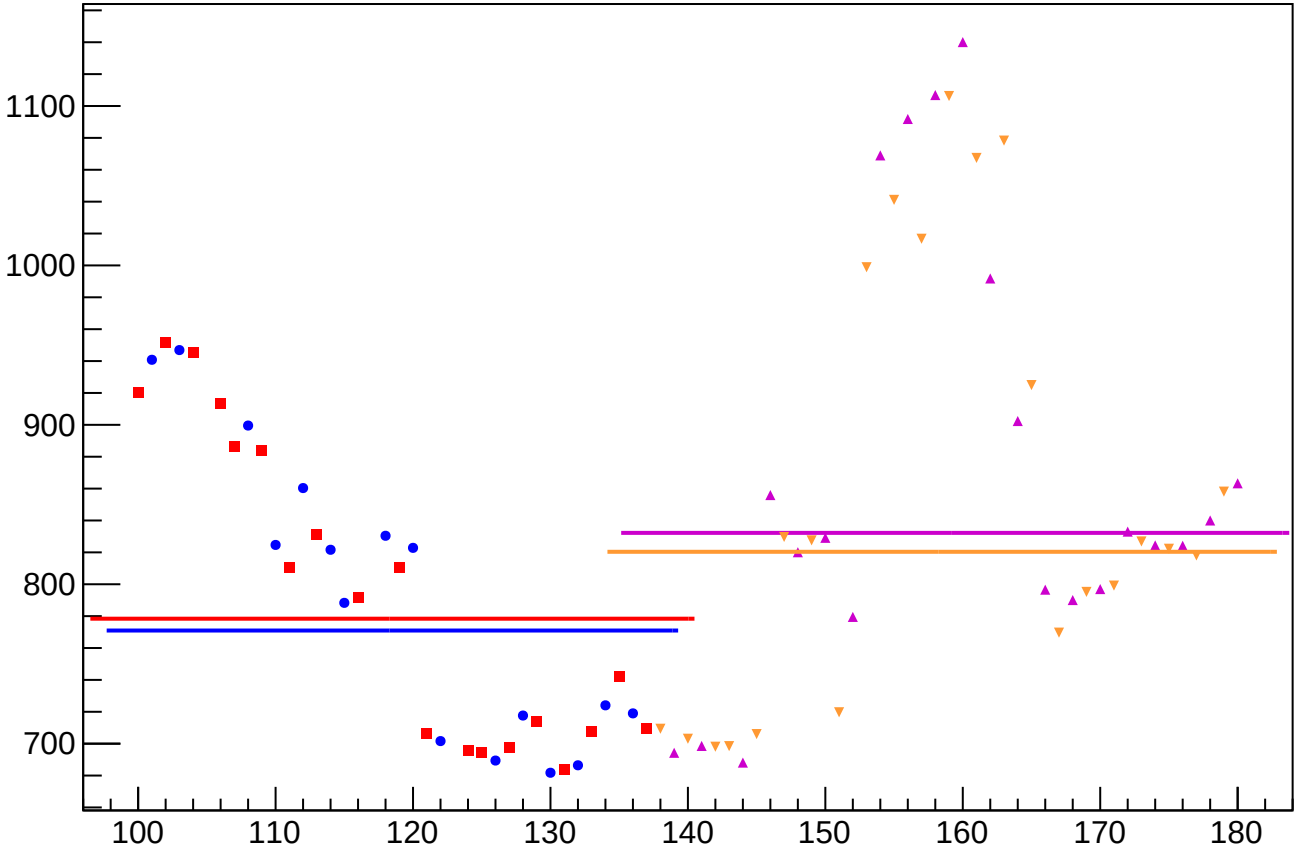
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.948+/-0.166 χ^2/NDF:2304.2/36

Out: -0.510+/-0.163 χ^2/NDF:849.6/40

All: 0.698+/-0.116 χ^2/NDF: 3265.2/77

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.361+/-0.141 χ^2/NDF:746659.0/21

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 832.226+/-0.144 χ^2/NDF:684780.2/20

Left: 826.171+/-0.100 χ^2/NDF: 1434922.6/42

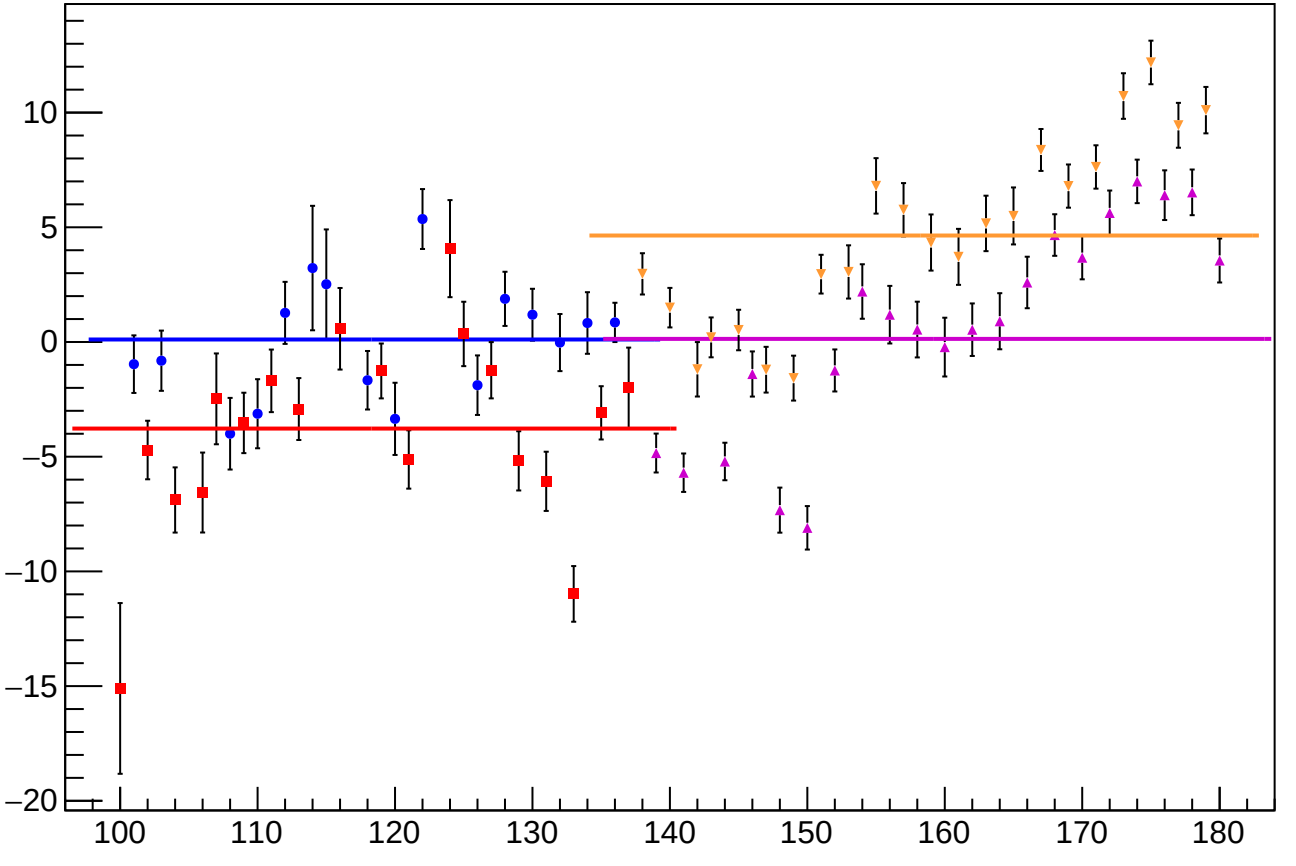
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 811.918+/-0.117 χ^2/NDF:938008.6/36

Out: 806.661+/-0.115 χ^2/NDF:972257.4/40

All: 809.245+/-0.082 χ^2/NDF: 1911285.1/77

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.641+/-0.214 χ^2/NDF:360.6/21

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 0.135+/-0.218 χ^2/NDF:483.3/20

Left: 2.430+/-0.153 χ^2/NDF: 1060.9/42

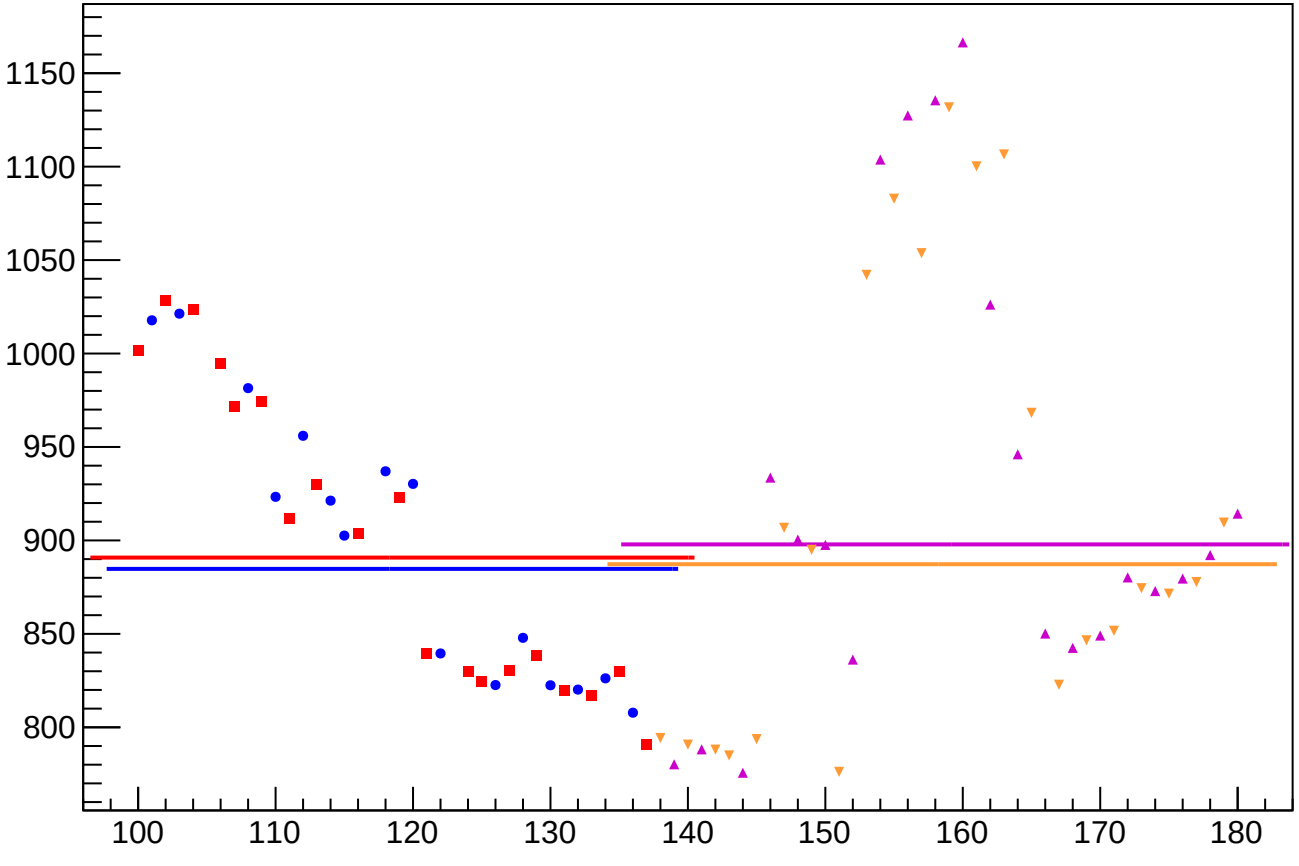
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: 0.127+/-0.182 χ^2/NDF:528.6/36

Out: 2.103+/-0.179 χ^2/NDF:925.4/40

All: 1.131+/-0.128 χ^2/NDF: 1513.9/77

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.266+/-0.152 χ^2/NDF:508714.5/21

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 897.874+/-0.154 χ^2/NDF:468433.8/20

Left: 892.473+/-0.108 χ^2/NDF: 979554.0/42

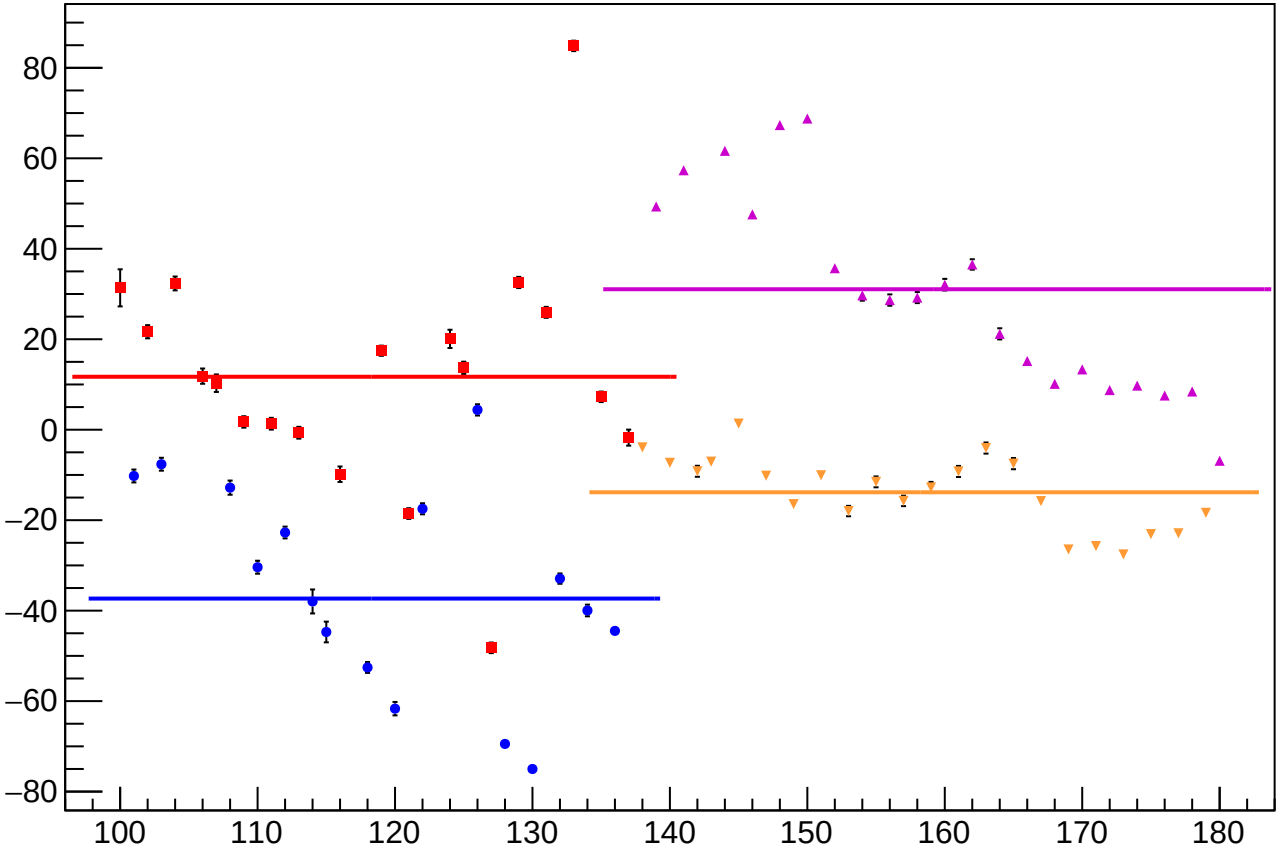
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.886+/-0.129 χ^2/NDF:575121.7/36

Out: 888.337+/-0.127 χ^2/NDF:616643.6/40

All: 891.066+/-0.090 χ^2/NDF: 1192709.8/77

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.830+/-0.216 χ^2/NDF:1435.5/21

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 31.052+/-0.221 χ^2/NDF:10278.3/20

Left: 8.121+/-0.154 χ^2/NDF: 32806.1/42

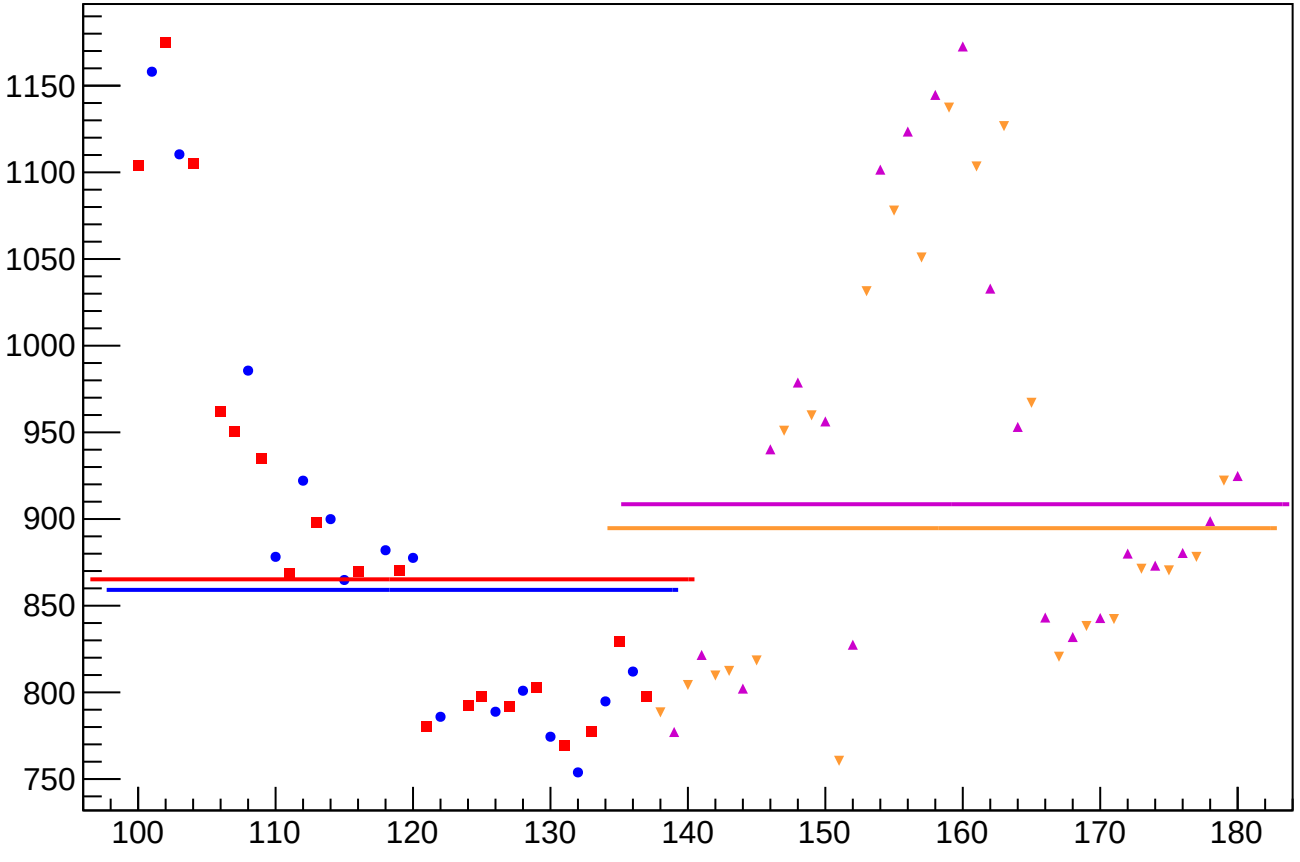
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.145+/-0.182 χ^2/NDF:46164.9/36

Out: -5.759+/-0.179 χ^2/NDF:14311.8/40

All: 1.554+/-0.128 χ^2/NDF: 63888.0/77

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.728+/-0.153 χ^2/NDF:511984.6/21

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 908.538+/-0.156 χ^2/NDF:464949.4/20

Left: 901.482+/-0.109 χ^2/NDF: 980928.3/42

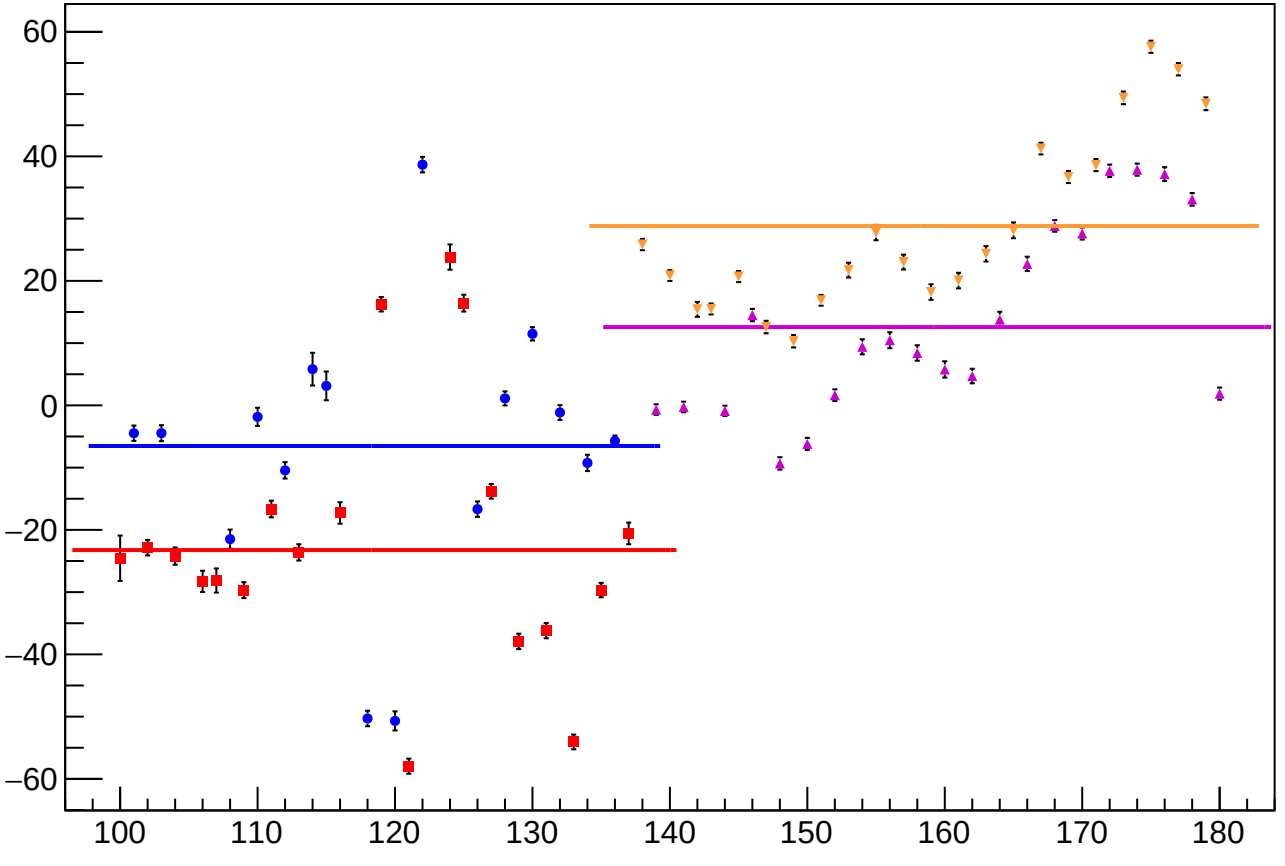
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 892.708+/-0.129 χ^2/NDF:725720.6/36

Out: 885.398+/-0.126 χ^2/NDF:747442.9/40

All: 888.985+/-0.090 χ^2/NDF: 1474804.8/77

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 28.809+/-0.219 χ^2/NDF:4136.4/21

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 12.578+/-0.223 χ^2/NDF:4764.1/20

Left: 20.847+/-0.156 χ^2/NDF: 11603.3/42

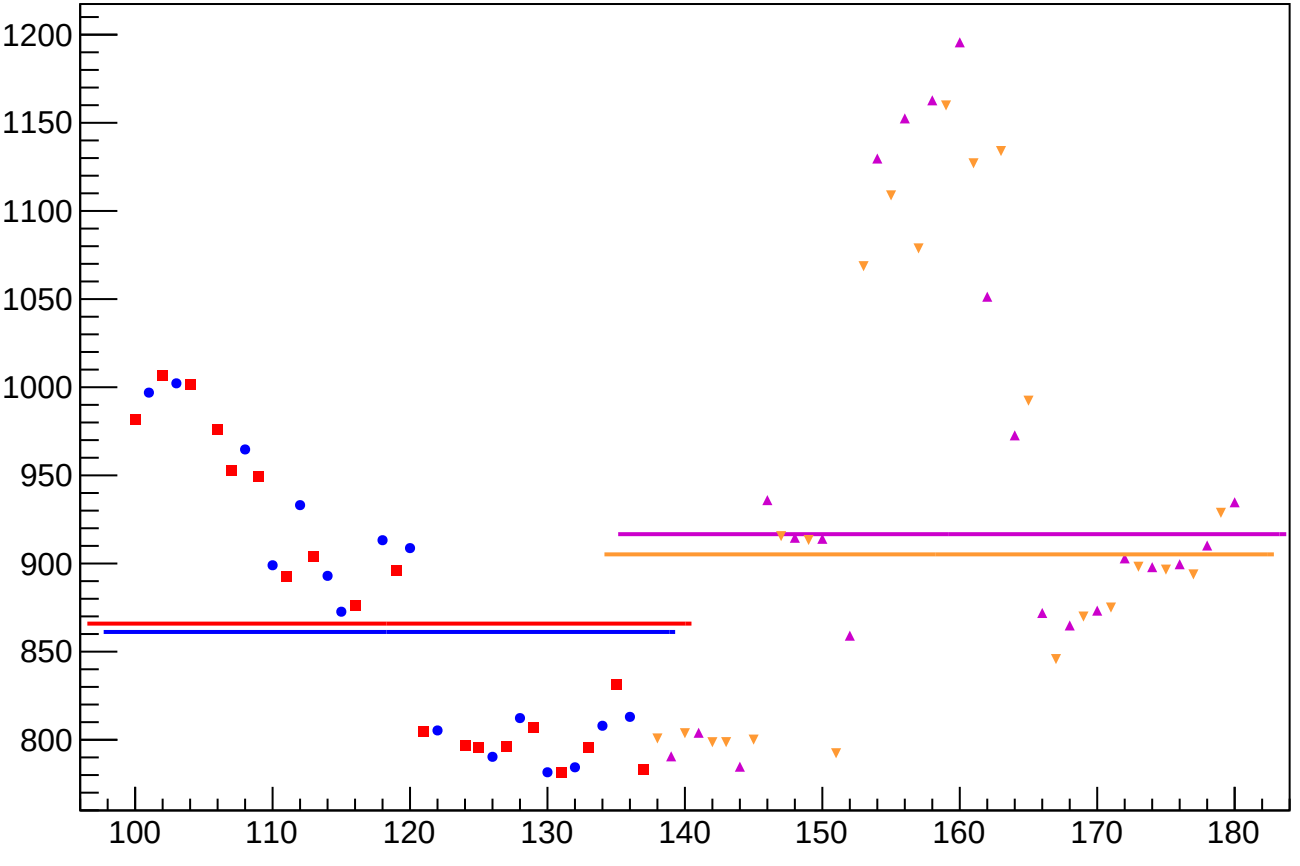
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.370+/-0.183 χ^2/NDF:11099.1/36

Out: 12.029+/-0.180 χ^2/NDF:26874.9/40

All: 9.248+/-0.128 χ^2/NDF: 38459.9/77

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.186+/-0.155 χ^2/NDF:532356.1/21

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 916.646+/-0.158 χ^2/NDF:480551.7/20

Left: 910.807+/-0.110 χ^2/NDF: 1015602.5/42

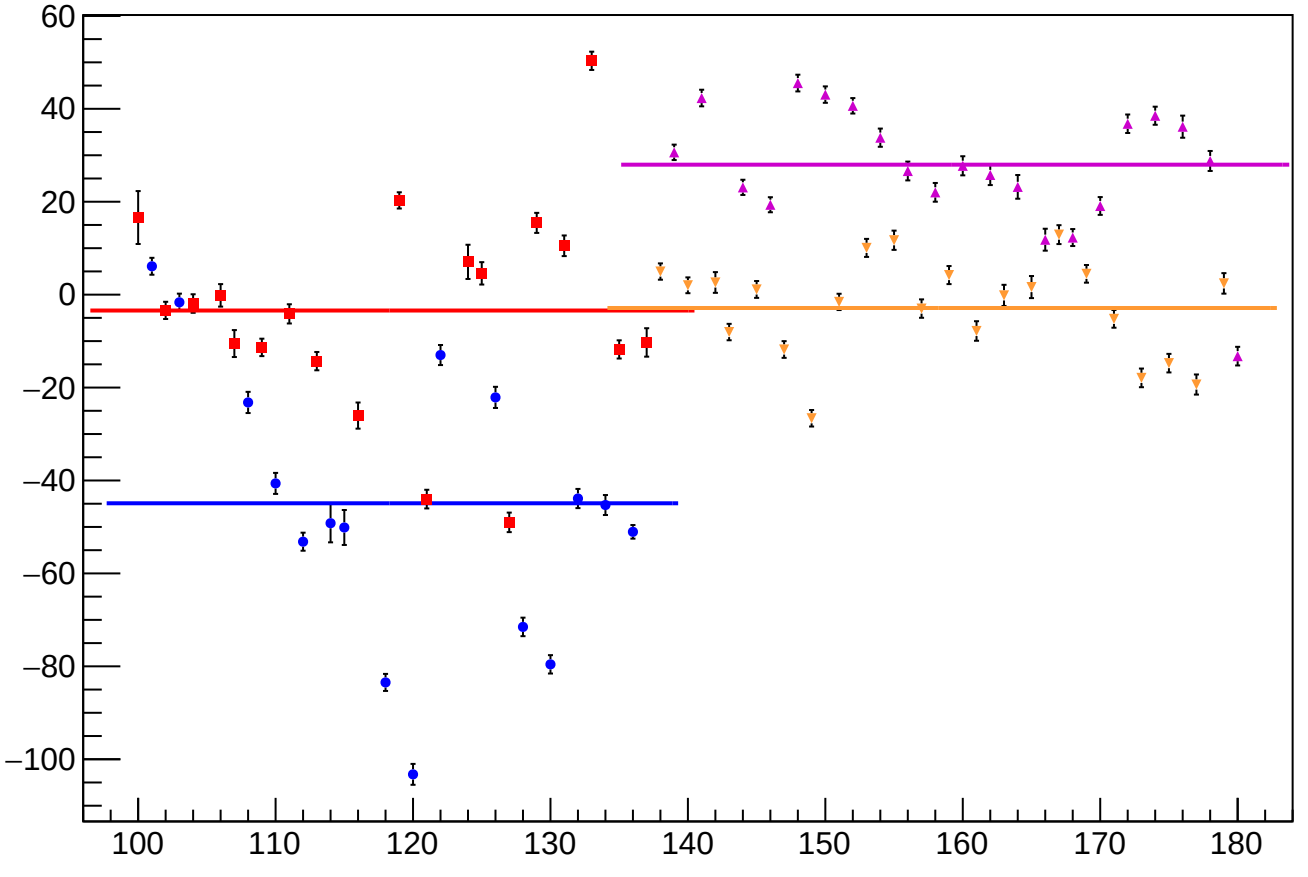
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 898.620+/-0.129 χ^2/NDF:634359.1/36

Out: 892.524+/-0.127 χ^2/NDF:671579.2/40

All: 895.520+/-0.091 χ^2/NDF: 1307065.7/77

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.873+/-0.416 χ^2/NDF:601.0/21

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 27.974+/-0.420 χ^2/NDF:978.1/20

Left: 12.425+/-0.295 χ^2/NDF: 4303.7/42

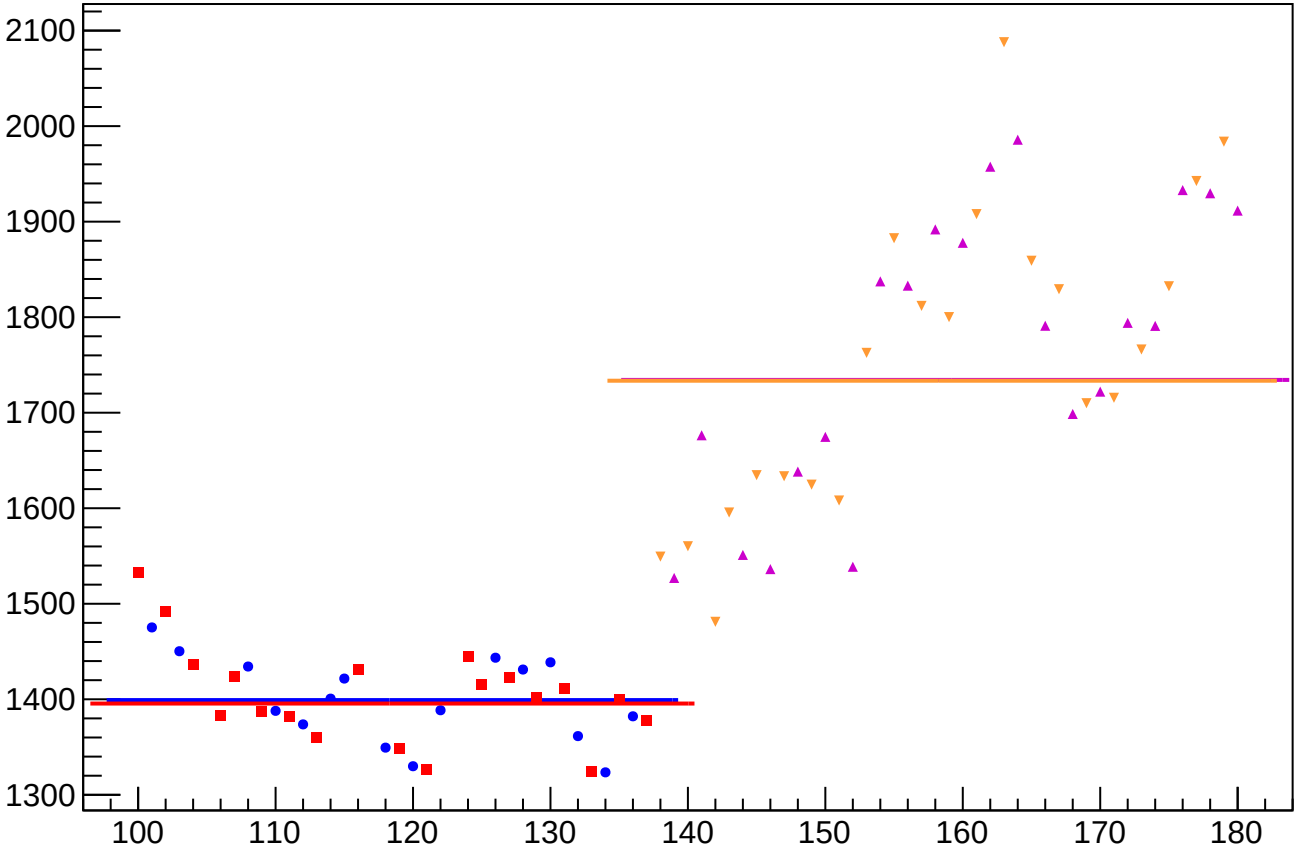
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.770+/-0.327 χ^2/NDF:16255.6/36

Out: -3.091+/-0.322 χ^2/NDF:2703.8/40

All: -1.946+/-0.229 χ^2/NDF: 18985.0/77

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1733.489+/-0.294 χ^2/NDF:249334.4/21

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1734.327+/-0.297 χ^2/NDF:247951.9/20

Left: 1733.905+/-0.209 χ^2/NDF: 497290.4/42

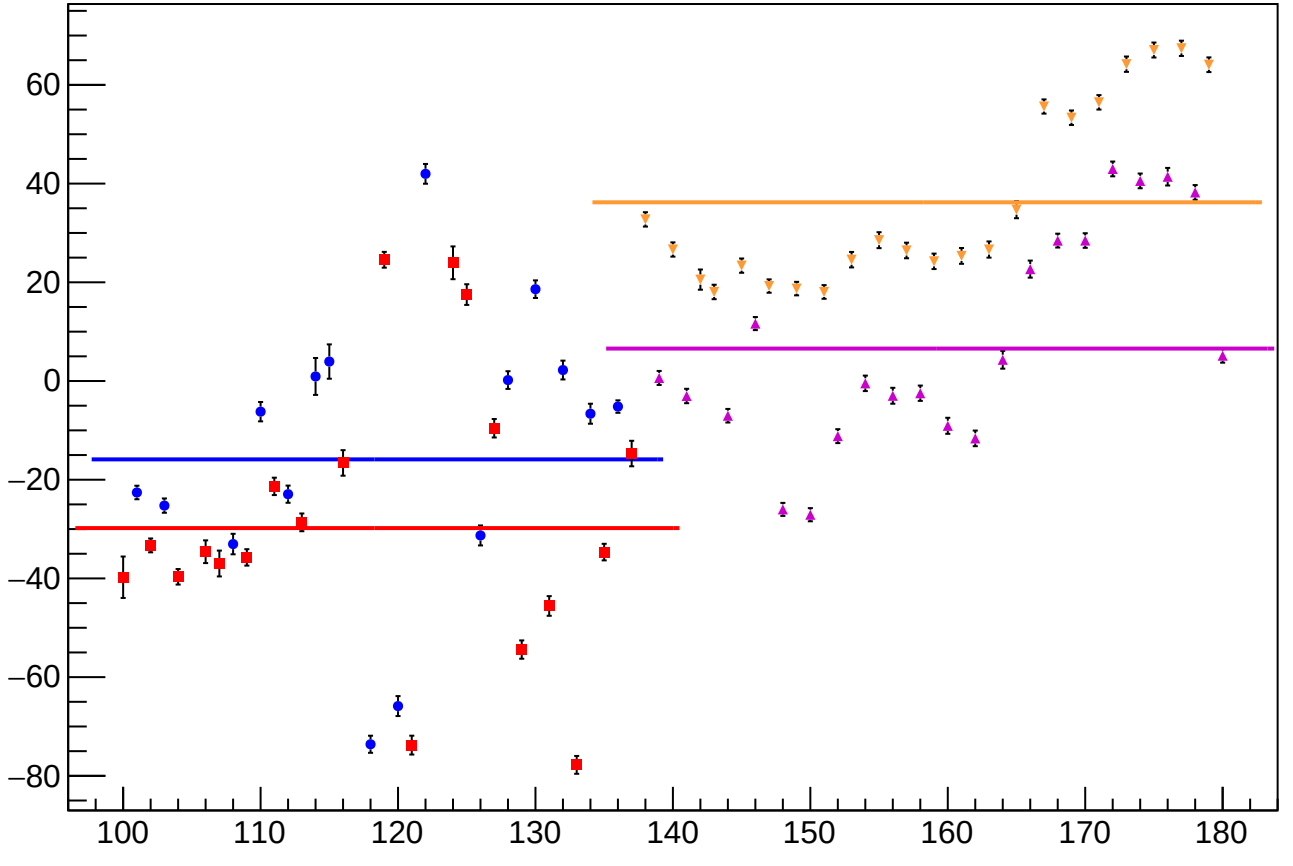
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1602.138+/-0.231 χ^2/NDF:766137.9/36

Out: 1598.133+/-0.228 χ^2/NDF:793759.3/40

All: 1600.109+/-0.162 χ^2/NDF: 1560049.6/77

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 36.210+/-0.324 χ^2/NDF:3089.3/21

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 6.573+/-0.325 χ^2/NDF:4385.1/20

Left: 21.470+/-0.229 χ^2/NDF: 11646.1/42

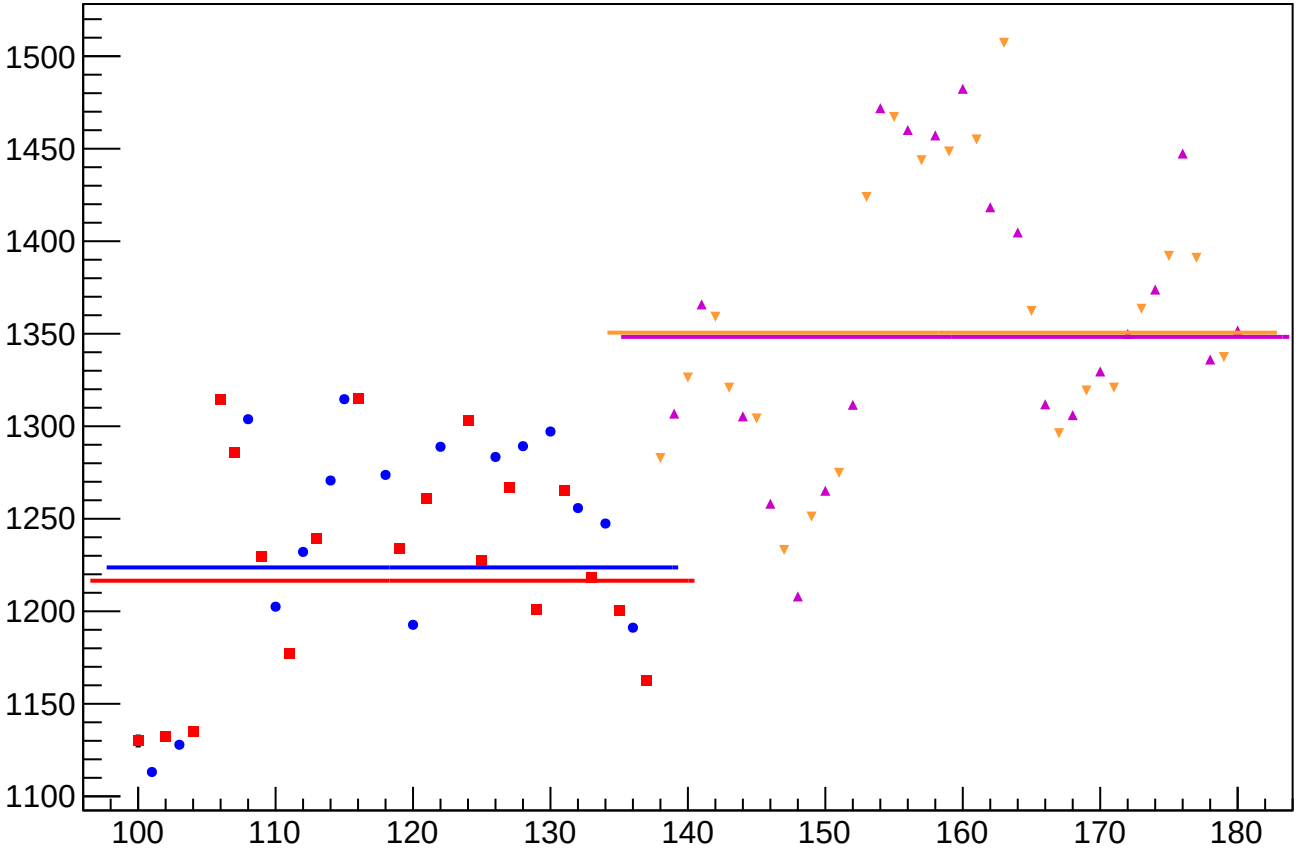
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -1.016+/-0.265 χ^2/NDF:9472.9/36

Out: 13.334+/-0.262 χ^2/NDF:21190.7/40

All: 6.243+/-0.186 χ^2/NDF: 32150.7/77

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1350.595+/-0.229 χ^2/NDF:103440.7/21

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.312+/-0.230 χ^2/NDF:106305.2/20

Left: 1349.460+/-0.162 χ^2/NDF: 209795.4/42

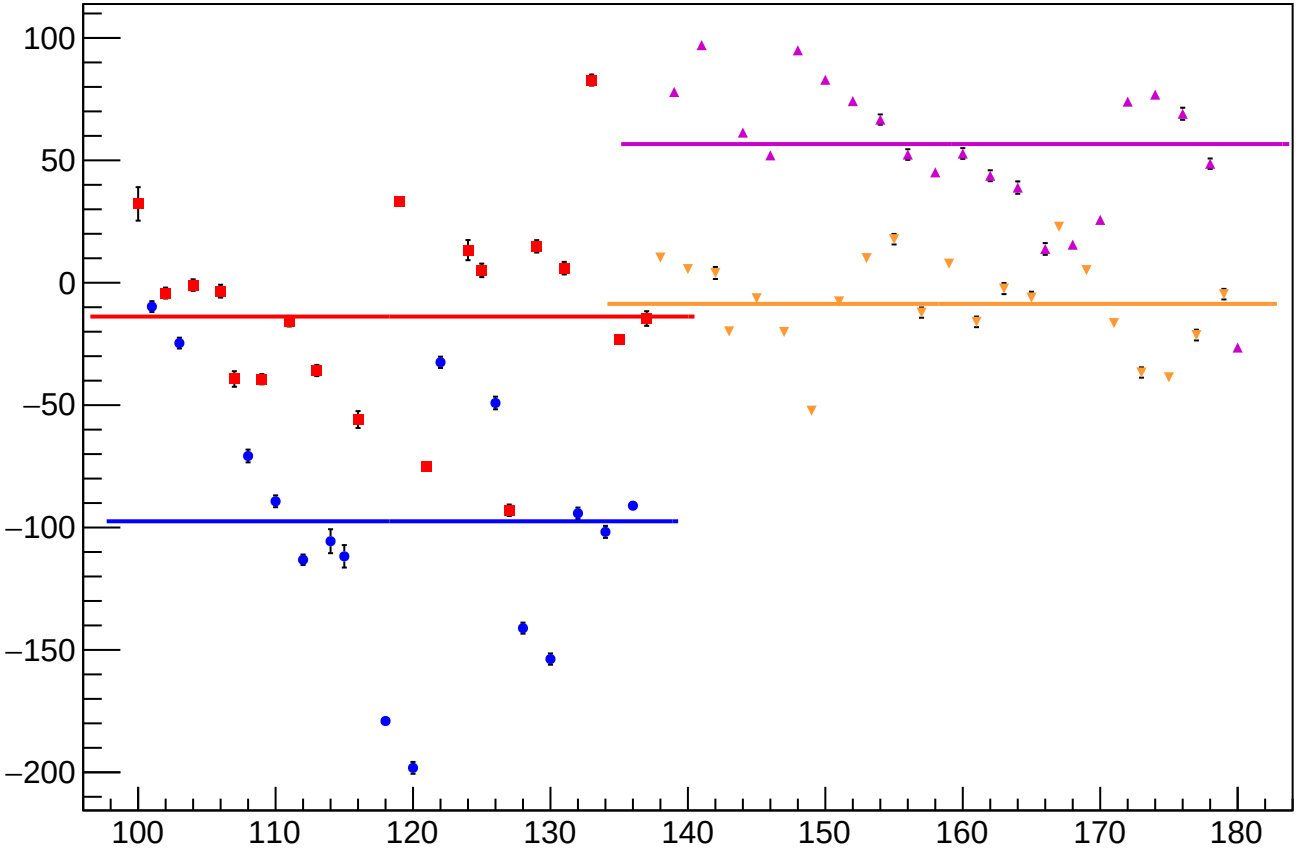
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1306.189+/-0.187 χ^2/NDF:246383.0/36

Out: 1304.136+/-0.185 χ^2/NDF:251777.9/40

All: 1305.150+/-0.132 χ^2/NDF: 498221.8/77

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.634+/-0.427 χ^2/NDF:1934.4/21

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 56.656+/-0.432 χ^2/NDF:4522.2/20

Left: 23.637+/-0.304 χ^2/NDF: 18021.0/42

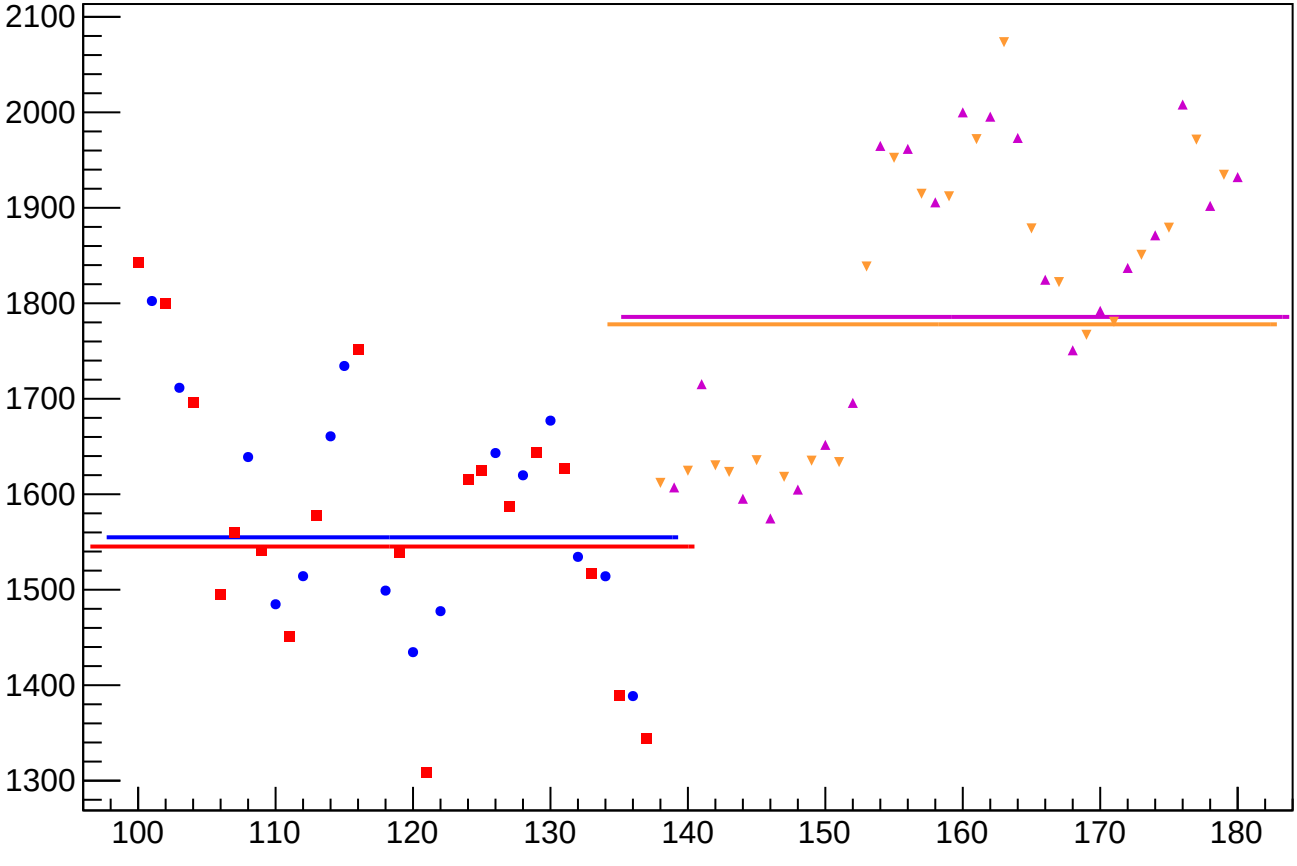
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 1.634+/-0.346 χ^2/NDF:58307.7/36

Out: -10.514+/-0.341 χ^2/NDF:7340.1/40

All: -4.537+/-0.243 χ^2/NDF: 66273.3/77

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1777.979+/-0.302 χ^2/NDF:227756.6/21

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1785.744+/-0.305 χ^2/NDF:241034.2/20

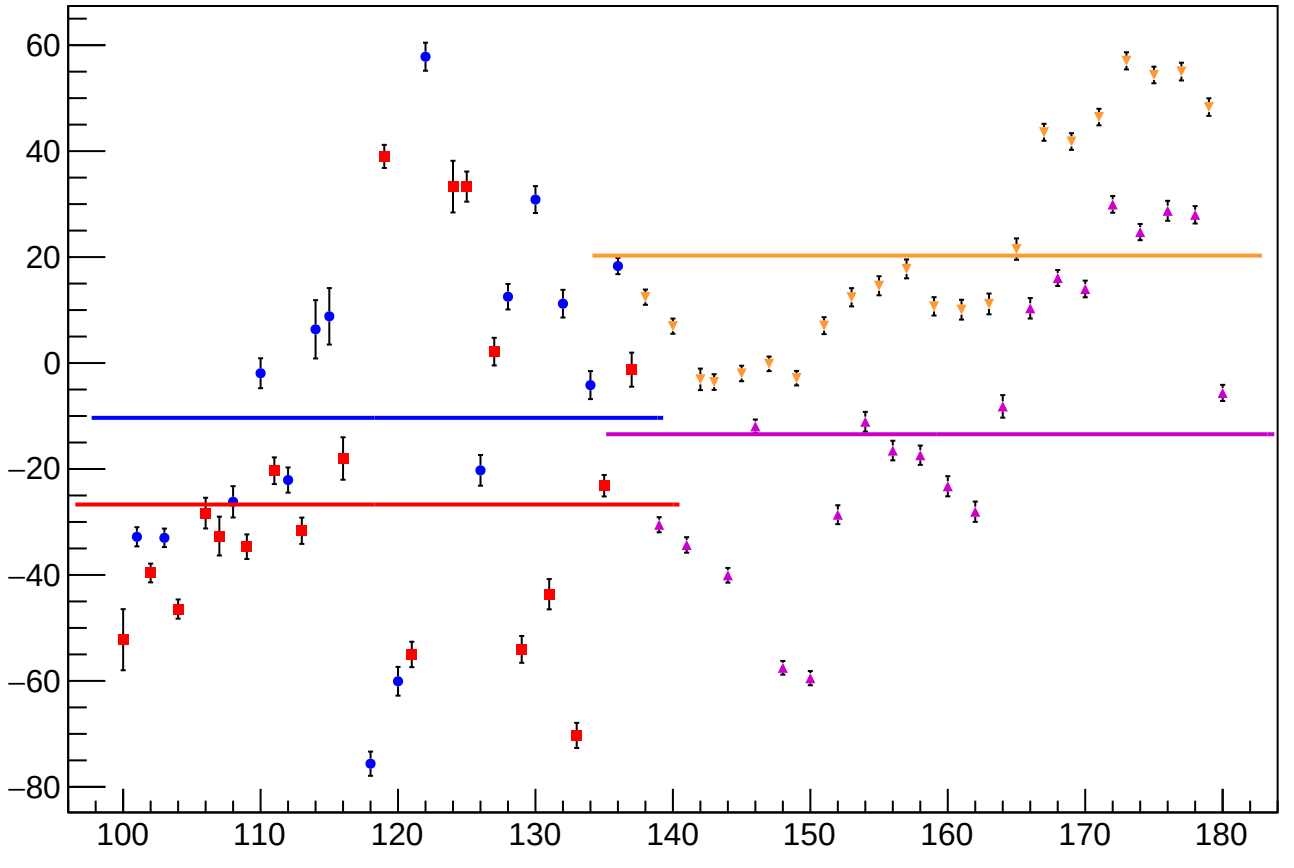
Left: 1781.817+/-0.215 χ^2/NDF: 469117.9/42

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1703.329+/-0.245 χ^2/NDF:533050.8/36

Out: 1693.538+/-0.241 χ^2/NDF:552277.3/40

All: 1698.355+/-0.172 χ^2/NDF: 1086140.6/77



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 20.280+/-0.345 χ^2/NDF:3808.6/21

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -13.442+/-0.349 χ^2/NDF:6583.5/20

Left: 3.604+/-0.246 χ^2/NDF: 15103.8/42

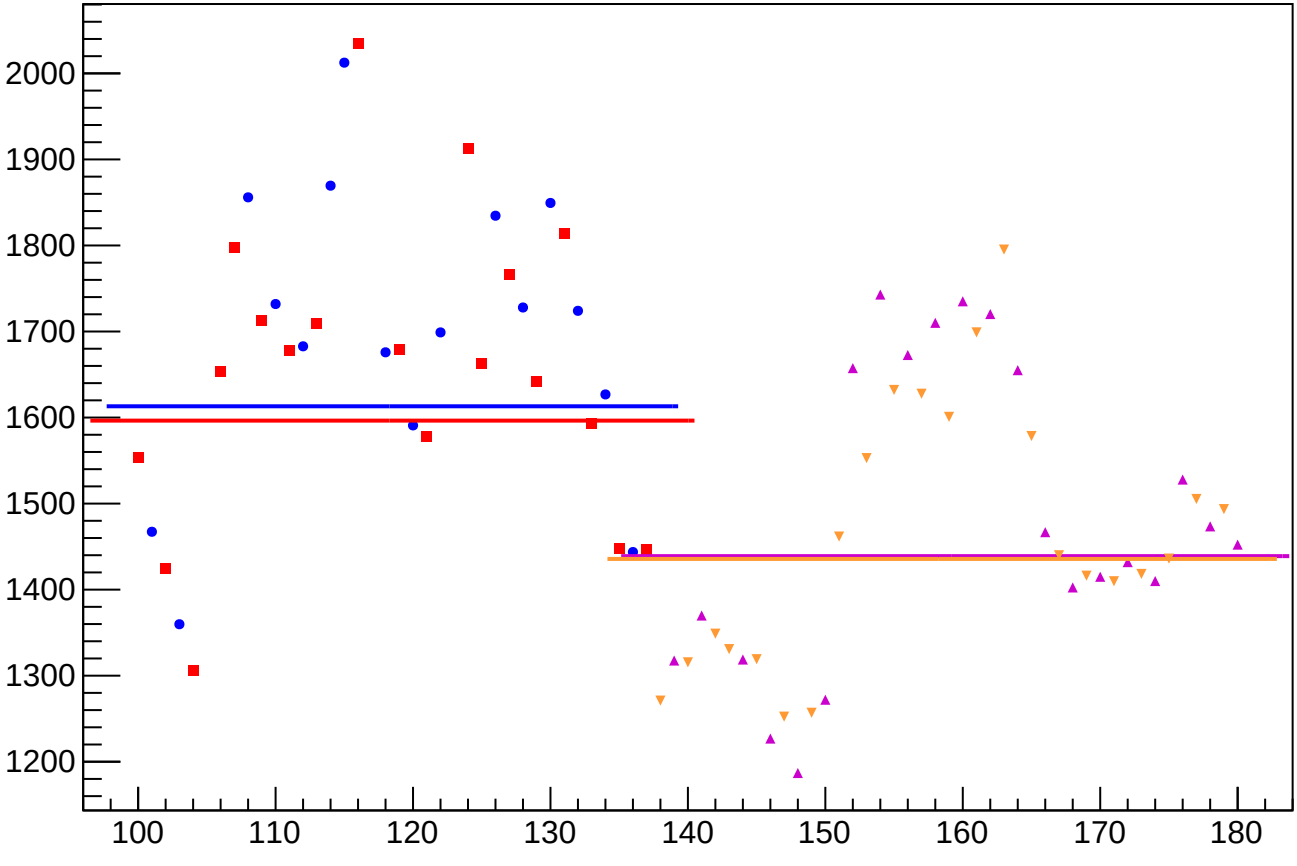
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -12.664+/-0.302 χ^2/NDF:9610.2/36

Out: 8.172+/-0.298 χ^2/NDF:11116.5/40

All: -2.086+/-0.212 χ^2/NDF: 23139.2/77

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1435.689+/-0.244 χ^2/NDF:334812.7/21

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1438.943+/-0.247 χ^2/NDF:473762.3/20

Left: 1437.298+/-0.174 χ^2/NDF: 808662.8/42

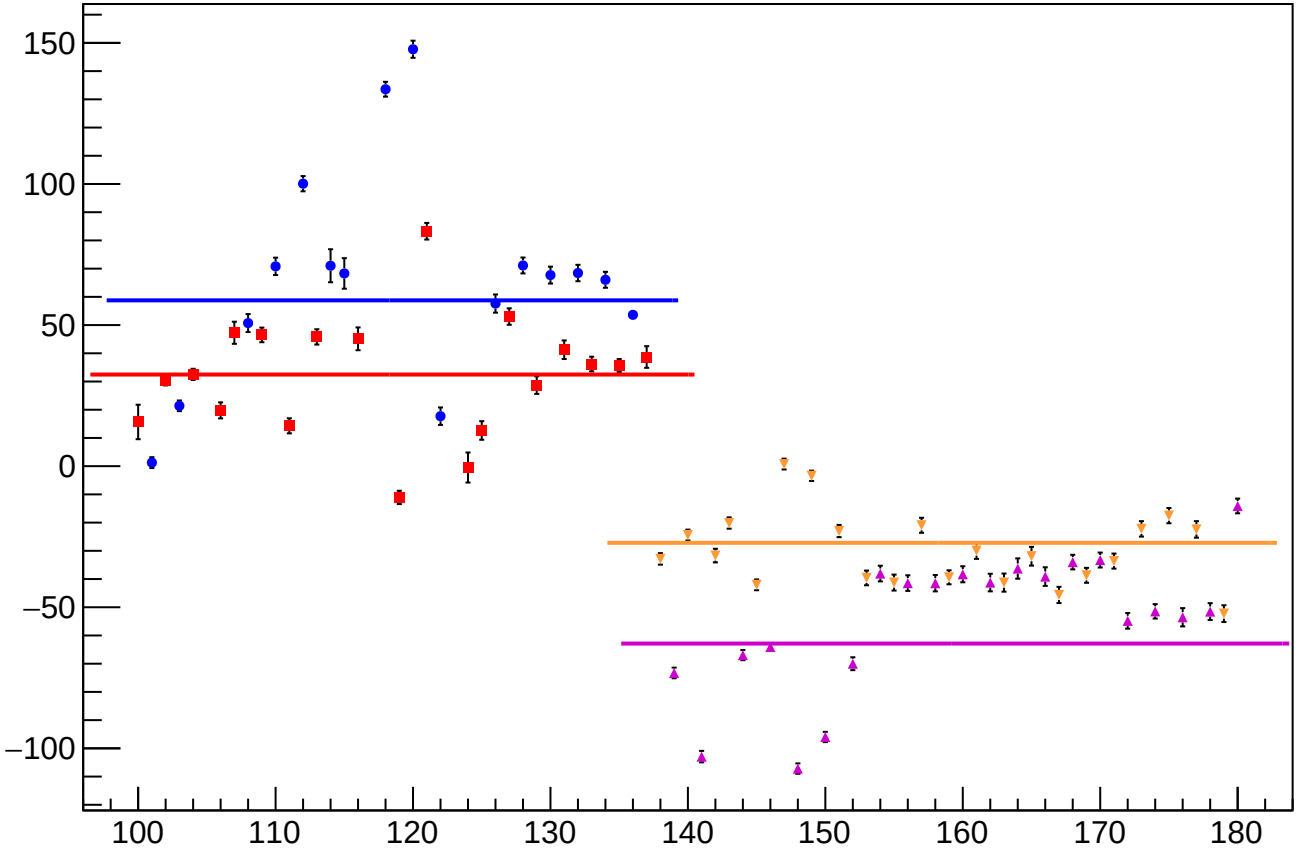
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1482.680+/-0.214 χ^2/NDF:753341.2/36

Out: 1477.111+/-0.210 χ^2/NDF:607115.3/40

All: 1479.853+/-0.150 χ^2/NDF: 1360801.2/77

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.163+/-0.515 χ^2/NDF:725.7/21

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -62.860+/-0.524 χ^2/NDF:2417.3/20

Left: -44.698+/-0.367 χ^2/NDF: 5503.7/42

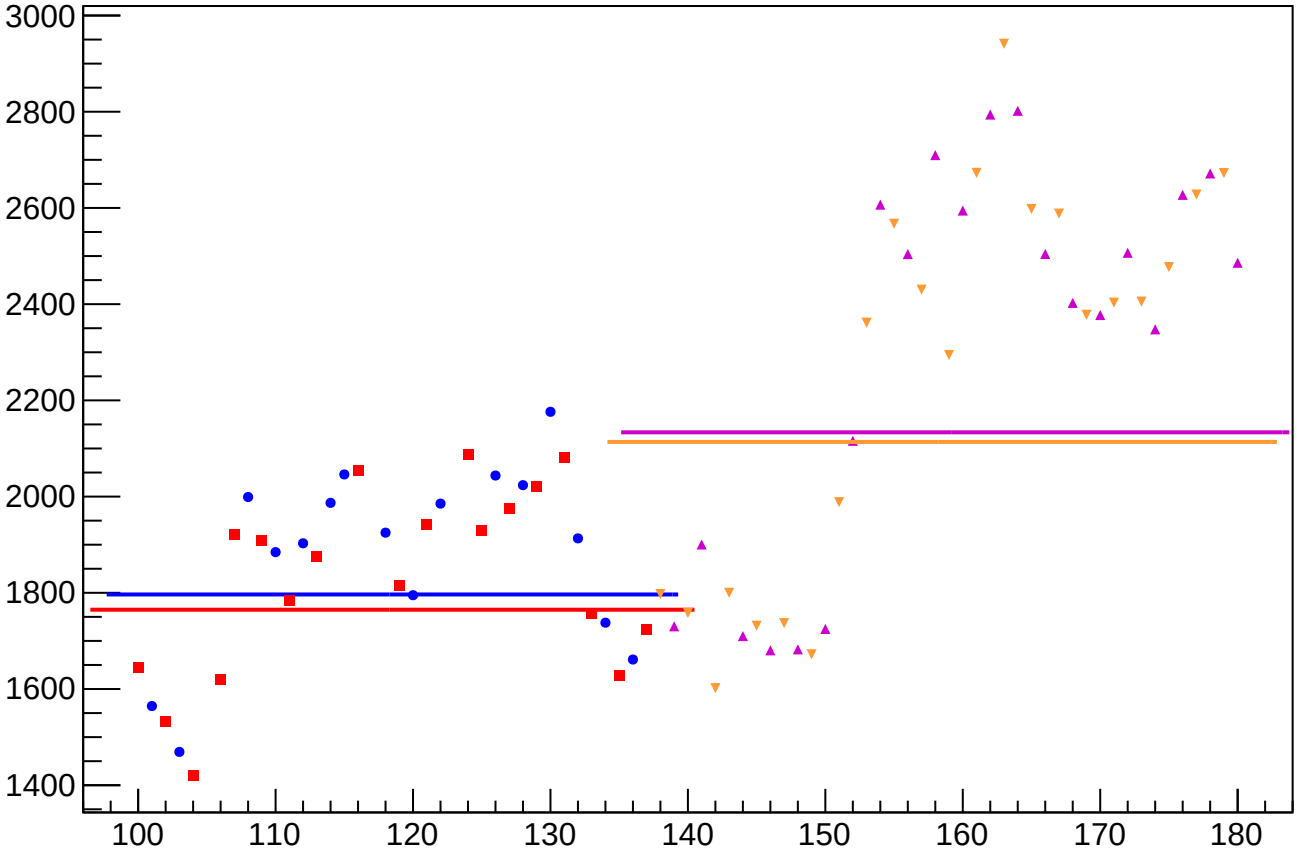
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -16.904+/-0.413 χ^2/NDF:26211.6/36

Out: -4.102+/-0.403 χ^2/NDF:6842.5/40

All: -10.345+/-0.289 χ^2/NDF: 33545.6/77

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2113.594+/-0.364 χ^2/NDF:1180356.1/21

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2133.602+/-0.371 χ^2/NDF:1225588.6/20

Left: 2123.422+/-0.260 χ^2/NDF: 2407428.0/42

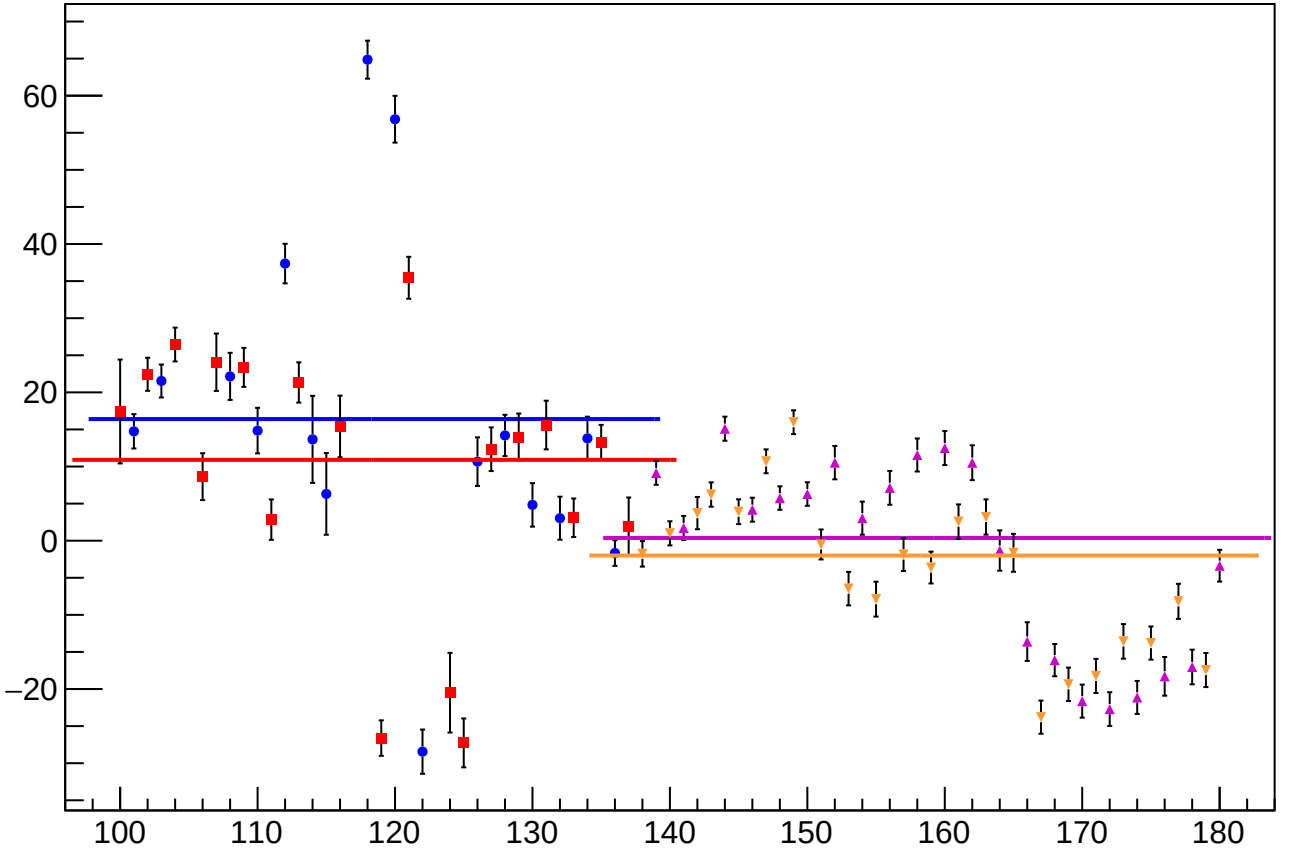
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 2006.245+/-0.292 χ^2/NDF:1731352.1/36

Out: 1978.727+/-0.285 χ^2/NDF:1725099.2/40

All: 1992.146+/-0.204 χ^2/NDF: 3460992.9/77

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -2.000+/-0.433 χ^2/NDF:564.5/21

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 0.368+/-0.441 χ^2/NDF:736.7/20

Left: -0.838+/-0.309 χ^2/NDF: 1315.9/42

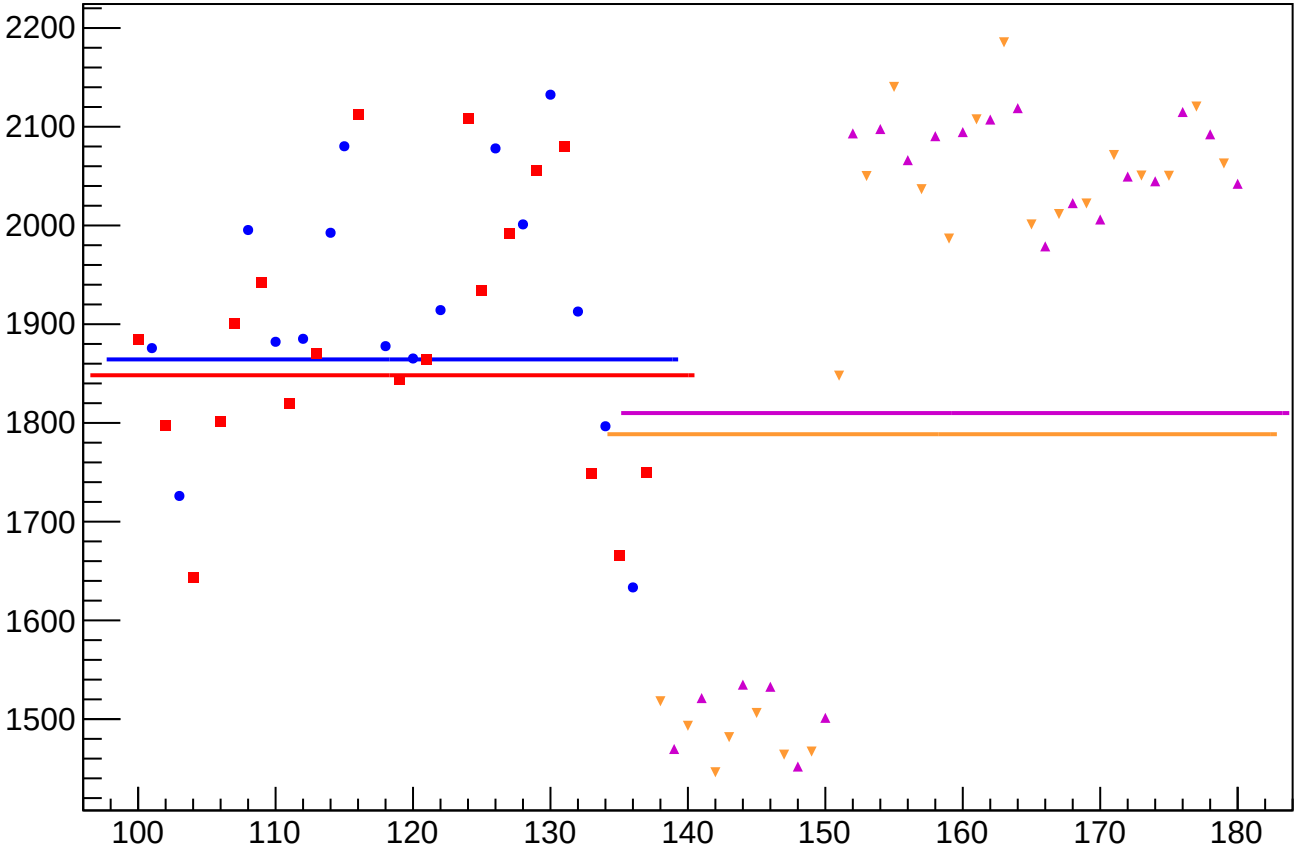
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 4.976+/-0.373 χ^2/NDF:2088.9/36

Out: 1.756+/-0.365 χ^2/NDF:1464.1/40

All: 3.332+/-0.261 χ^2/NDF: 3591.1/77

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1788.574+/-0.306 χ^2/NDF:867800.0/21

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1809.988+/-0.312 χ^2/NDF:826439.2/20

Left: 1799.087+/-0.219 χ^2/NDF: 1696636.0/42

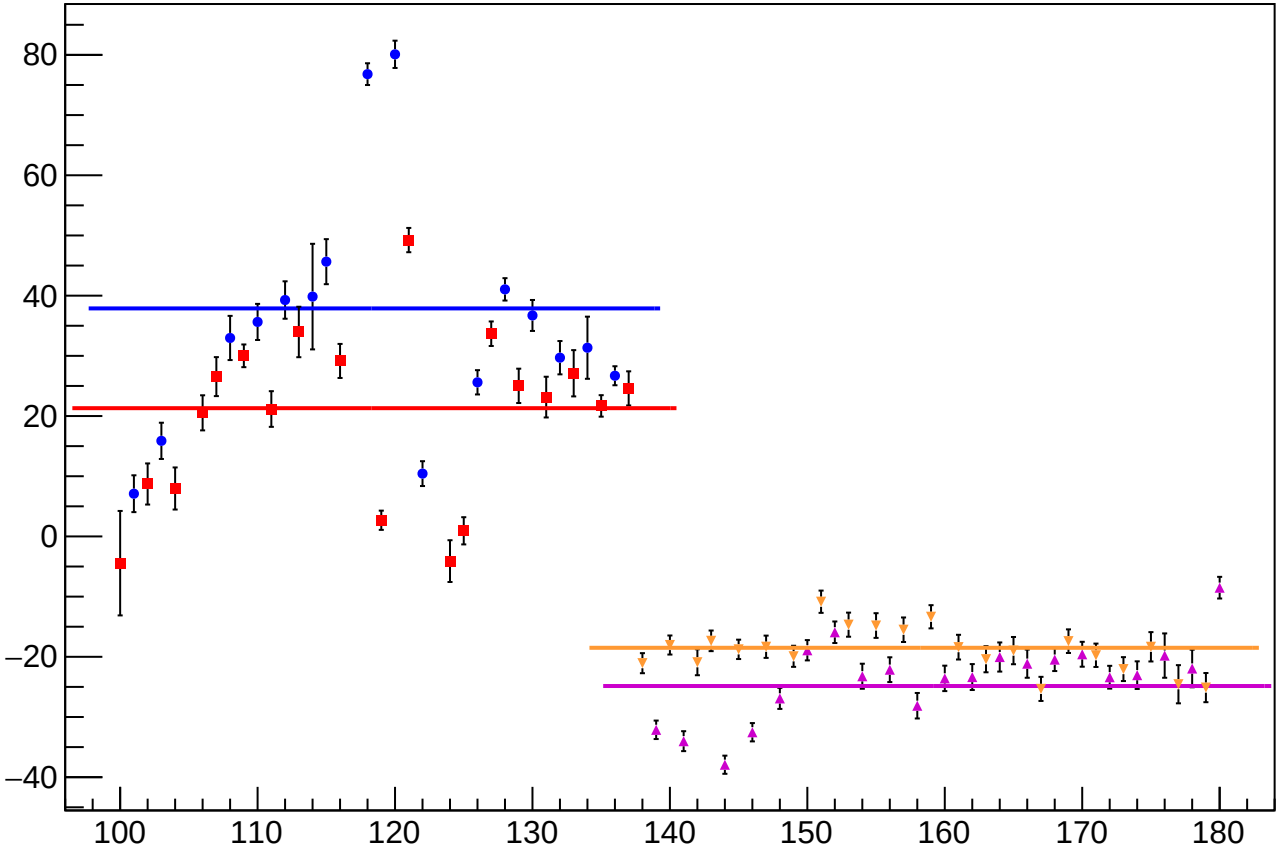
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1825.608+/-0.263 χ^2/NDF:918466.1/36

Out: 1805.959+/-0.258 χ^2/NDF:953809.2/40

All: 1815.579+/-0.184 χ^2/NDF: 1875114.3/77

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.501+/-0.418 χ^2/NDF:65.6/21

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -24.852+/-0.423 χ^2/NDF:302.7/20

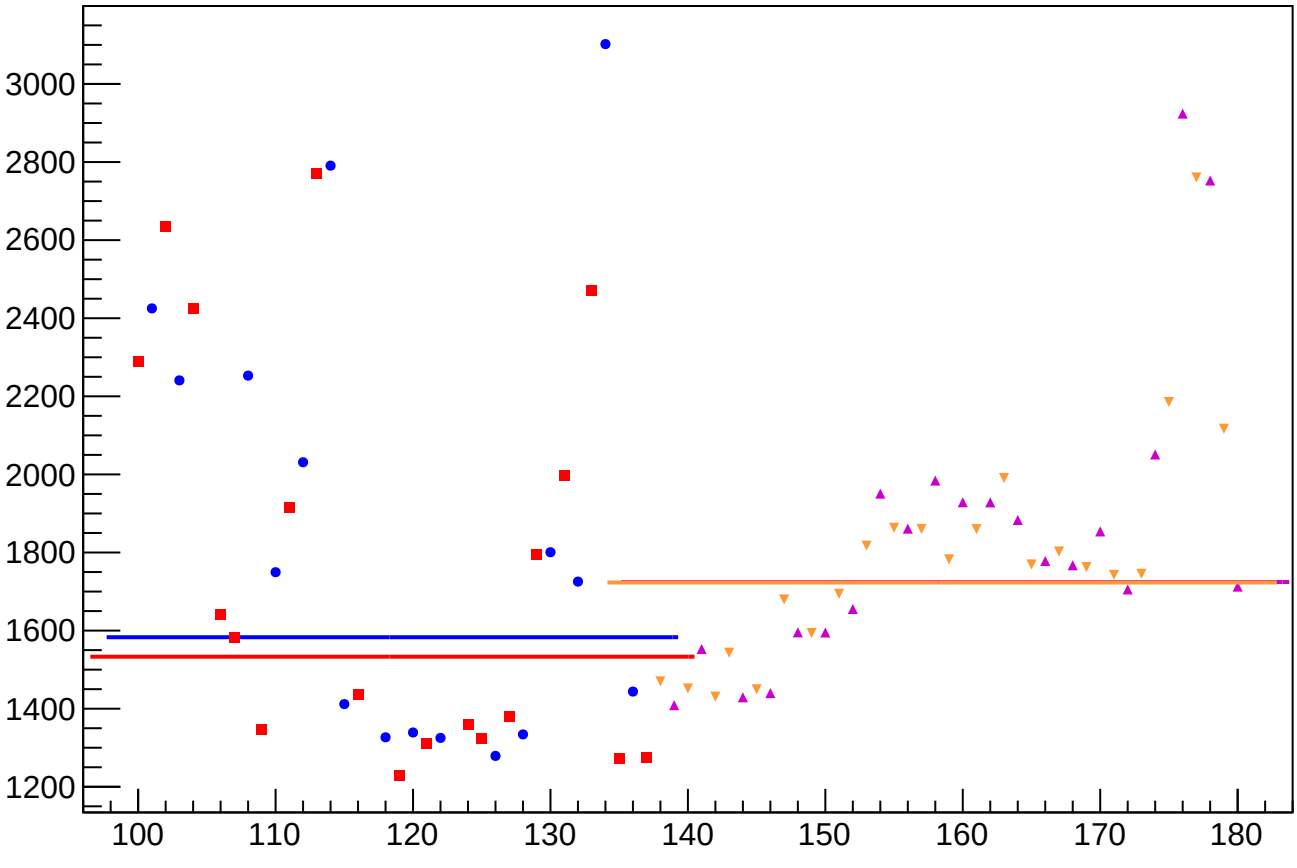
Left: -21.643+/-0.297 χ^2/NDF: 482.4/42

Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -5.053+/-0.350 χ^2/NDF:8505.9/36

Out: -5.278+/-0.342 χ^2/NDF:3658.3/40

All: -5.168+/-0.244 χ^2/NDF: 12164.4/77



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1723.205+/-0.296 χ^2/NDF:641746.8/21

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1724.418+/-0.299 χ^2/NDF:865961.5/20

Left: 1723.805+/-0.210 χ^2/NDF: 1507716.6/42

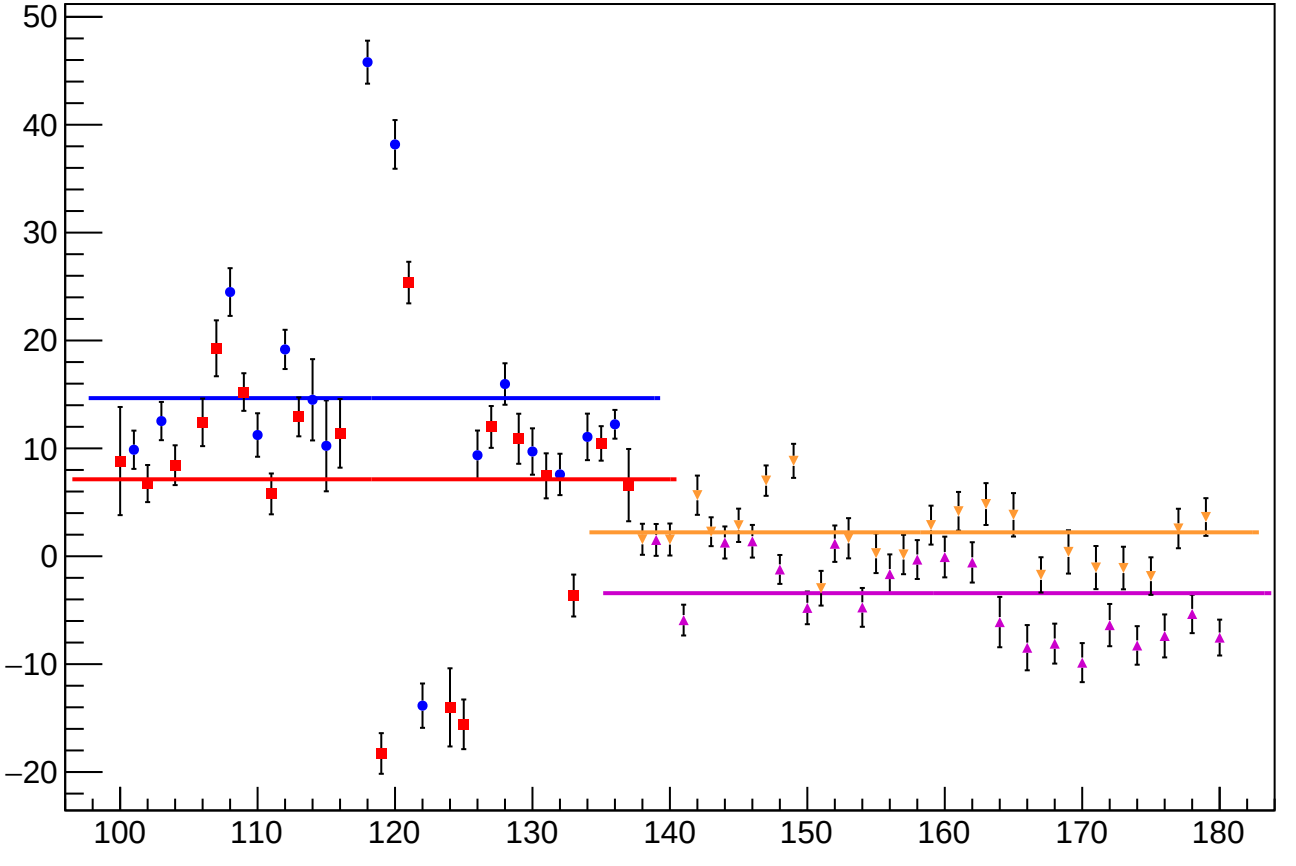
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1679.801+/-0.247 χ^2/NDF:1724257.3/36

Out: 1660.087+/-0.242 χ^2/NDF:1729694.1/40

All: 1669.719+/-0.173 χ^2/NDF: 3457203.2/77

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.218+/-0.363 χ^2/NDF:68.2/21

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -3.421+/-0.373 χ^2/NDF:102.2/20

Left: -0.519+/-0.260 χ^2/NDF: 287.9/42

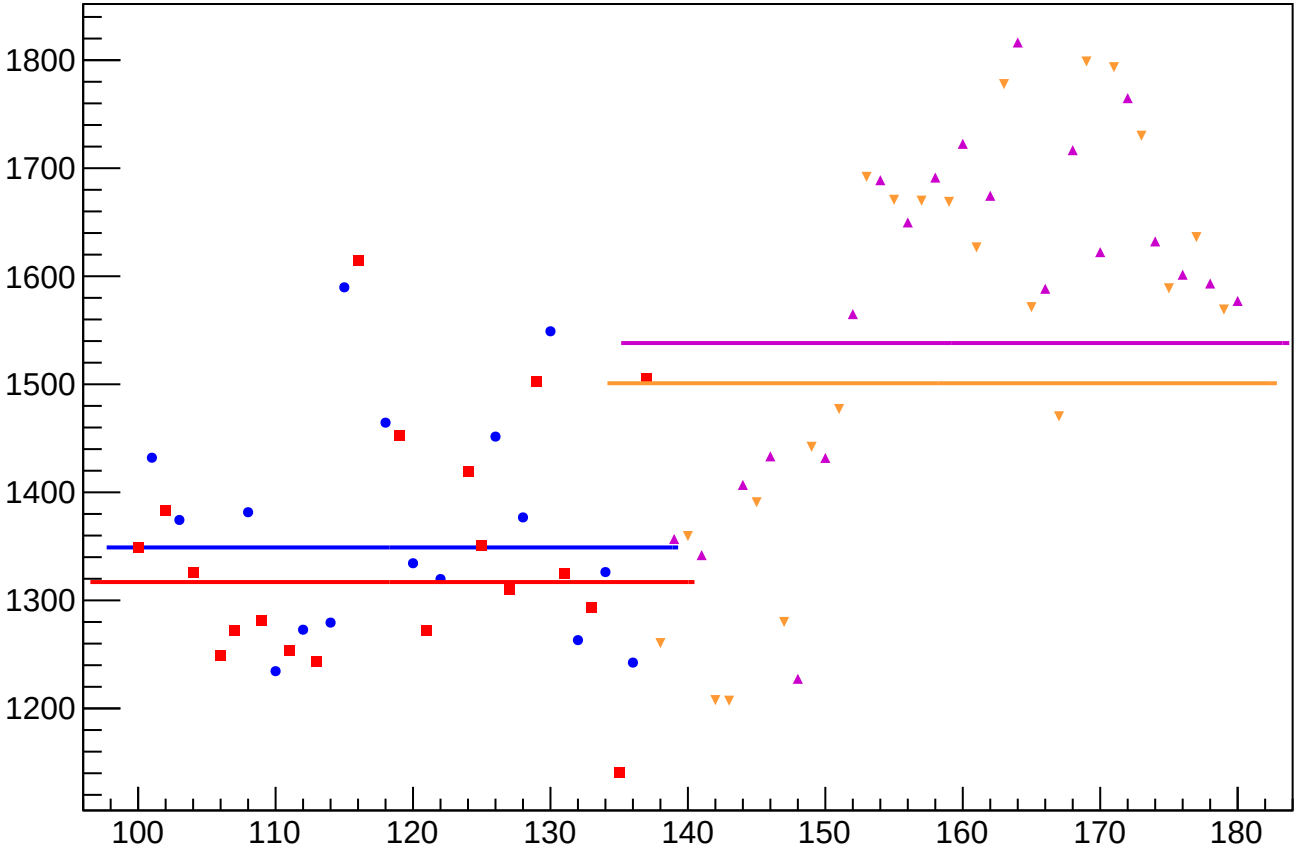
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 2.974+/-0.300 χ^2/NDF:1546.9/36

Out: 3.989+/-0.290 χ^2/NDF:643.9/40

All: 3.499+/-0.209 χ^2/NDF: 2196.8/77

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1500.966+/-0.256 χ^2/NDF:544256.0/21

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1538.171+/-0.264 χ^2/NDF:366559.5/20

Left: 1519.027+/-0.184 χ^2/NDF: 921041.0/42

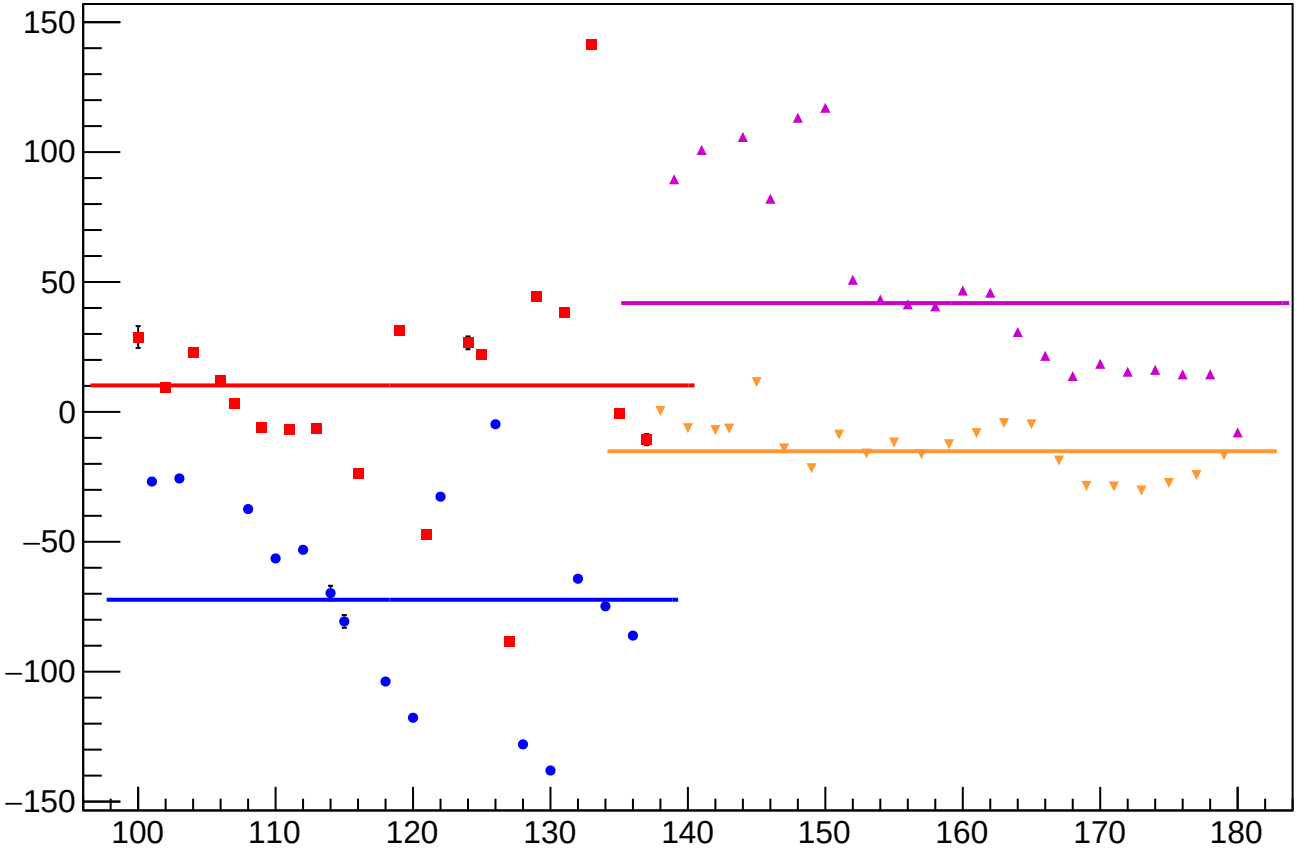
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1471.256+/-0.212 χ^2/NDF:616678.7/36

Out: 1434.689+/-0.205 χ^2/NDF:816706.3/40

All: 1452.349+/-0.147 χ^2/NDF: 1448744.6/77

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.152+/-0.194 χ^2/NDF:2784.6/21

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 41.882+/-0.196 χ^2/NDF:30750.6/20

Left: 13.025+/-0.138 χ^2/NDF: 76301.6/42

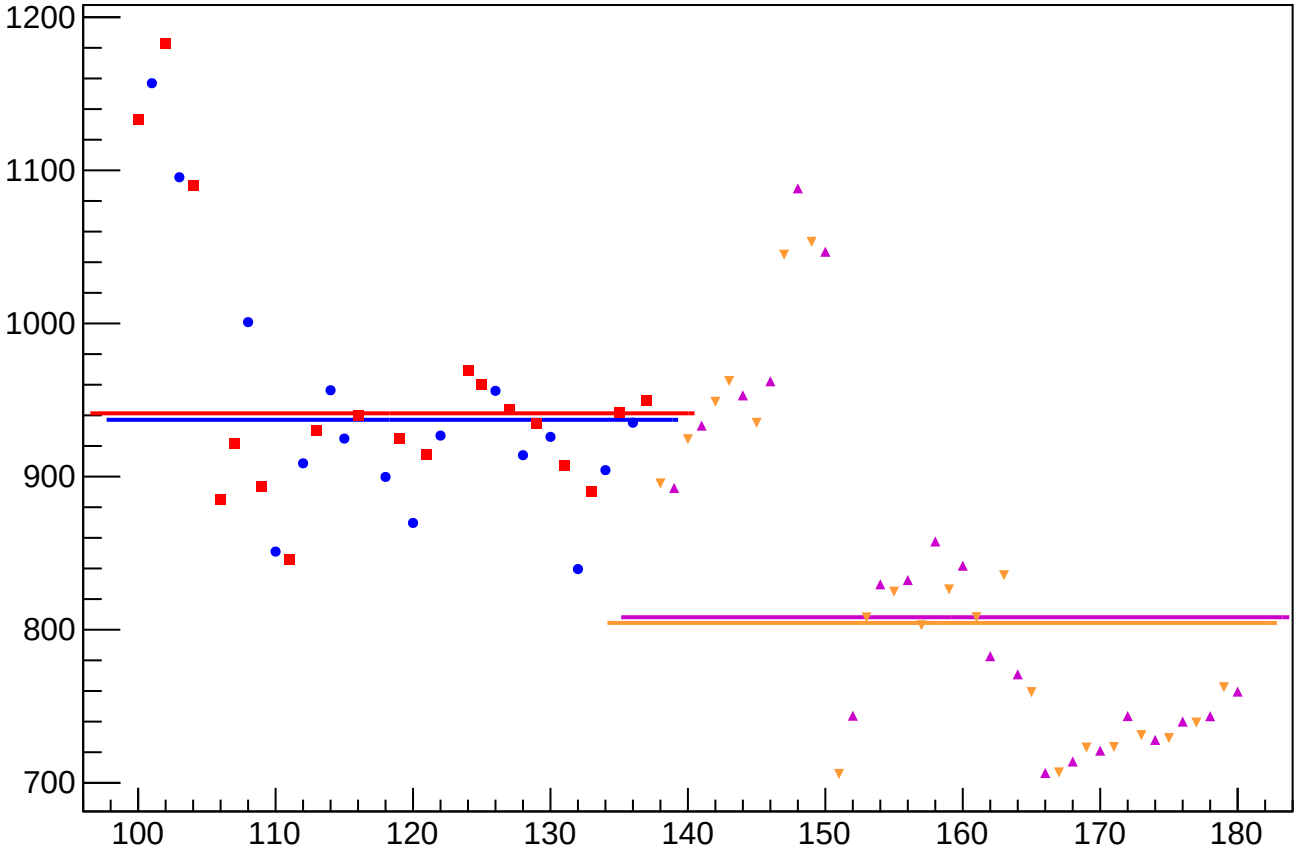
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 14.520+/-0.171 χ^2/NDF:124088.5/36

Out: -9.059+/-0.169 χ^2/NDF:25939.3/40

All: 2.584+/-0.120 χ^2/NDF: 159646.3/77

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 804.426+/-0.137 χ^2/NDF:486034.4/21

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 808.156+/-0.139 χ^2/NDF:508871.4/20

Left: 806.269+/-0.097 χ^2/NDF: 995271.8/42

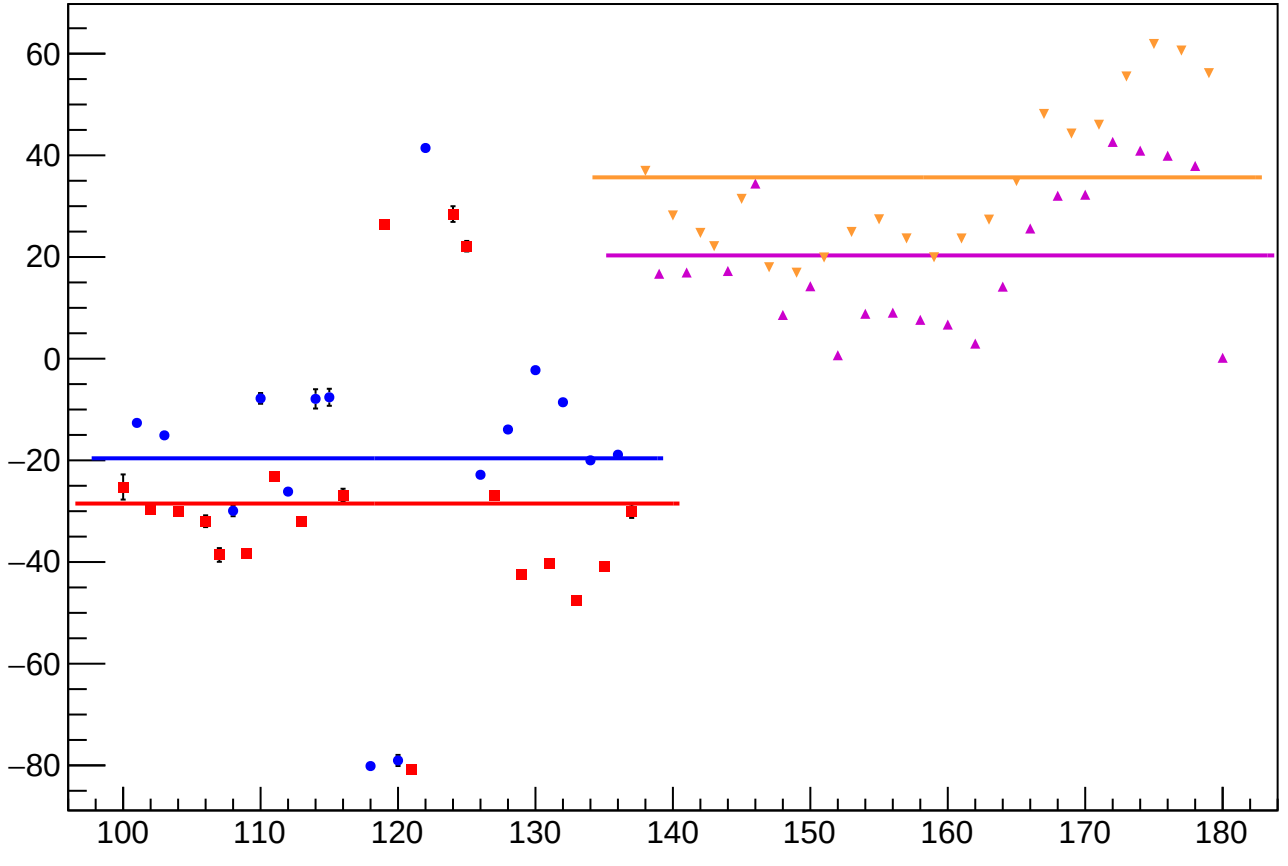
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 839.053+/-0.121 χ^2/NDF:820574.5/36

Out: 837.341+/-0.119 χ^2/NDF:826899.0/40

All: 838.187+/-0.085 χ^2/NDF: 1647574.9/77

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 35.670+/-0.153 χ^2/NDF:9295.0/21

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 20.313+/-0.156 χ^2/NDF:8410.2/20

Left: 28.113+/-0.109 χ^2/NDF: 22637.0/42

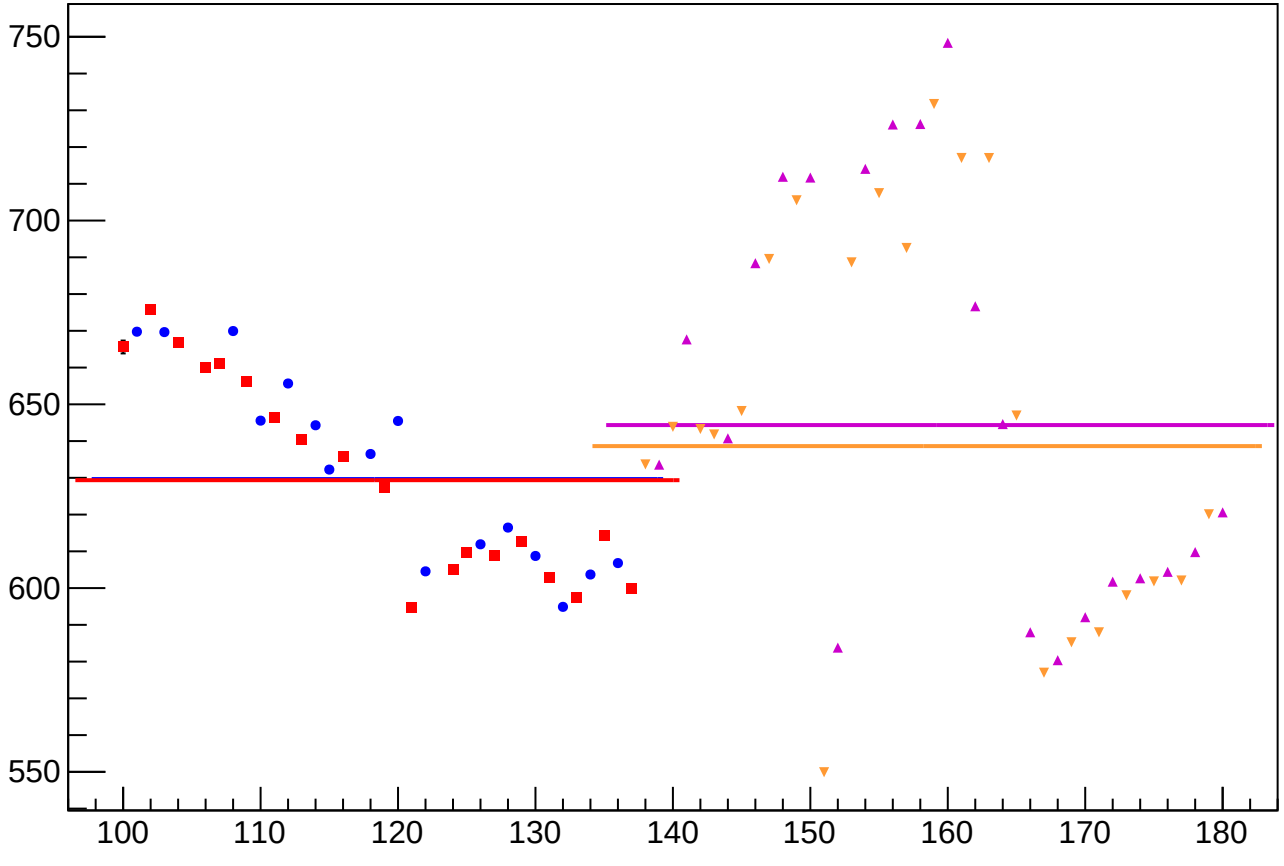
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.053+/-0.130 χ^2/NDF:41723.8/36

Out: 15.876+/-0.128 χ^2/NDF:76239.9/40

All: 12.030+/-0.091 χ^2/NDF: 119812.5/77

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.632+/-0.108 χ^2/NDF:235203.1/21

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 644.354+/-0.110 χ^2/NDF:229079.7/20

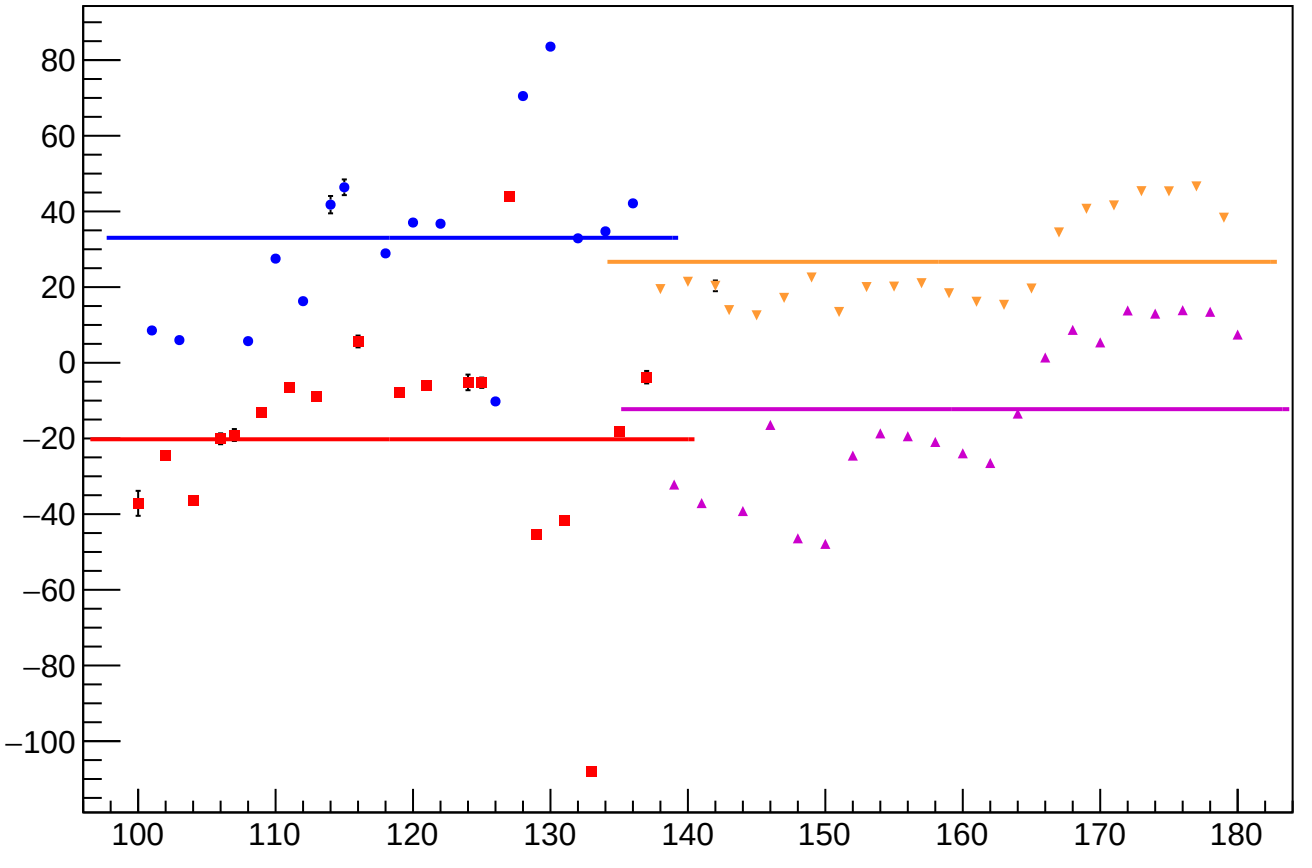
Left: 641.448+/-0.077 χ^2/NDF: 465652.4/42

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

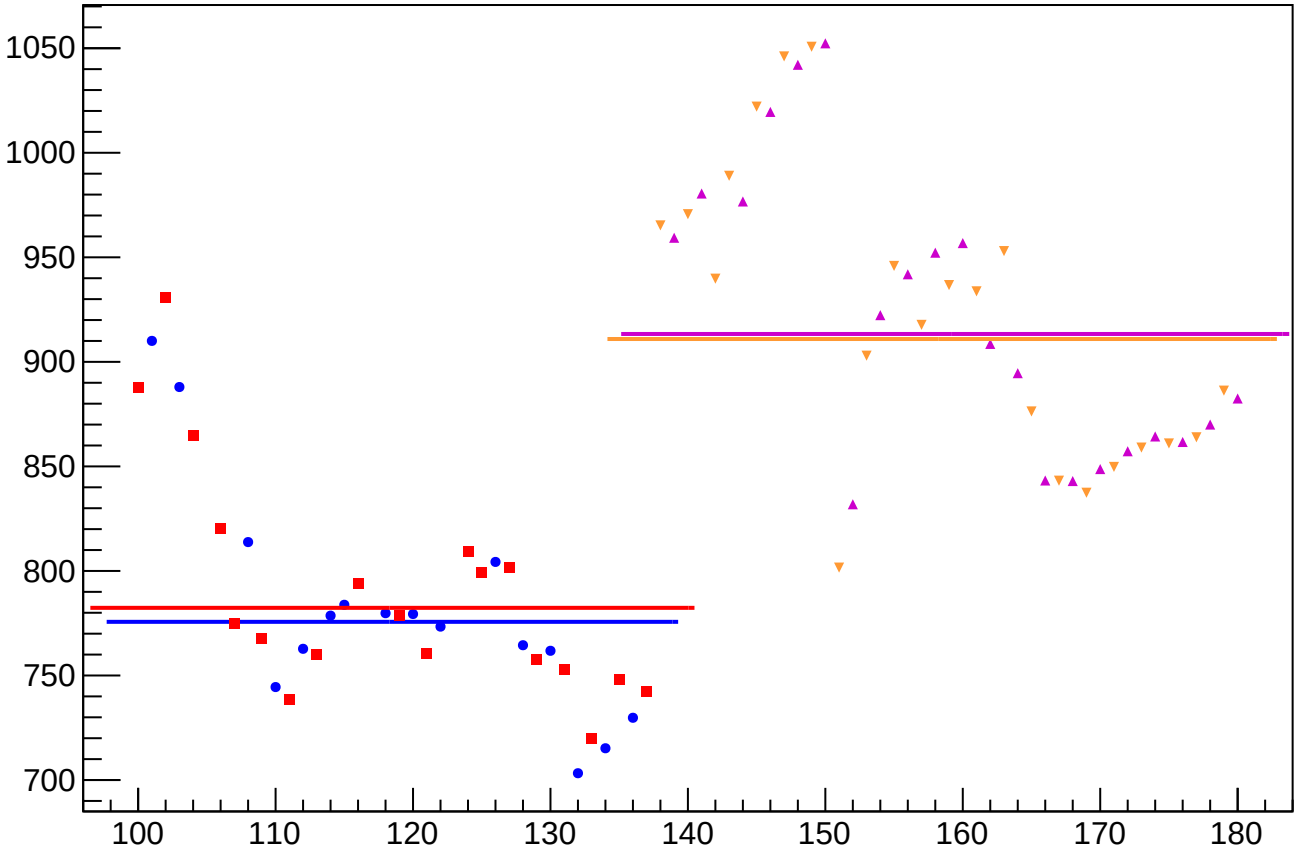
In: 639.841+/-0.092 χ^2/NDF:259856.8/36

Out: 635.772+/-0.090 χ^2/NDF:264247.8/40

All: 637.772+/-0.064 χ^2/NDF: 525104.7/77


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 26.684+/-0.219 χ²/NDF:3013.3/21
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -12.257+/-0.221 χ²/NDF:8501.2/20
Left: 7.399+/-0.155 χ²/NDF: 27240.8/42
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 4.425+/-0.175 χ²/NDF:30724.3/36
Out: 9.393+/-0.174 χ²/NDF:31864.7/40
All: 6.933+/-0.123 χ²/NDF: 62994.3/77

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 910.930+/-0.155 χ^2/NDF:188713.1/21

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 913.338+/-0.156 χ^2/NDF:173999.9/20

Left: 912.122+/-0.110 χ^2/NDF: 362833.3/42

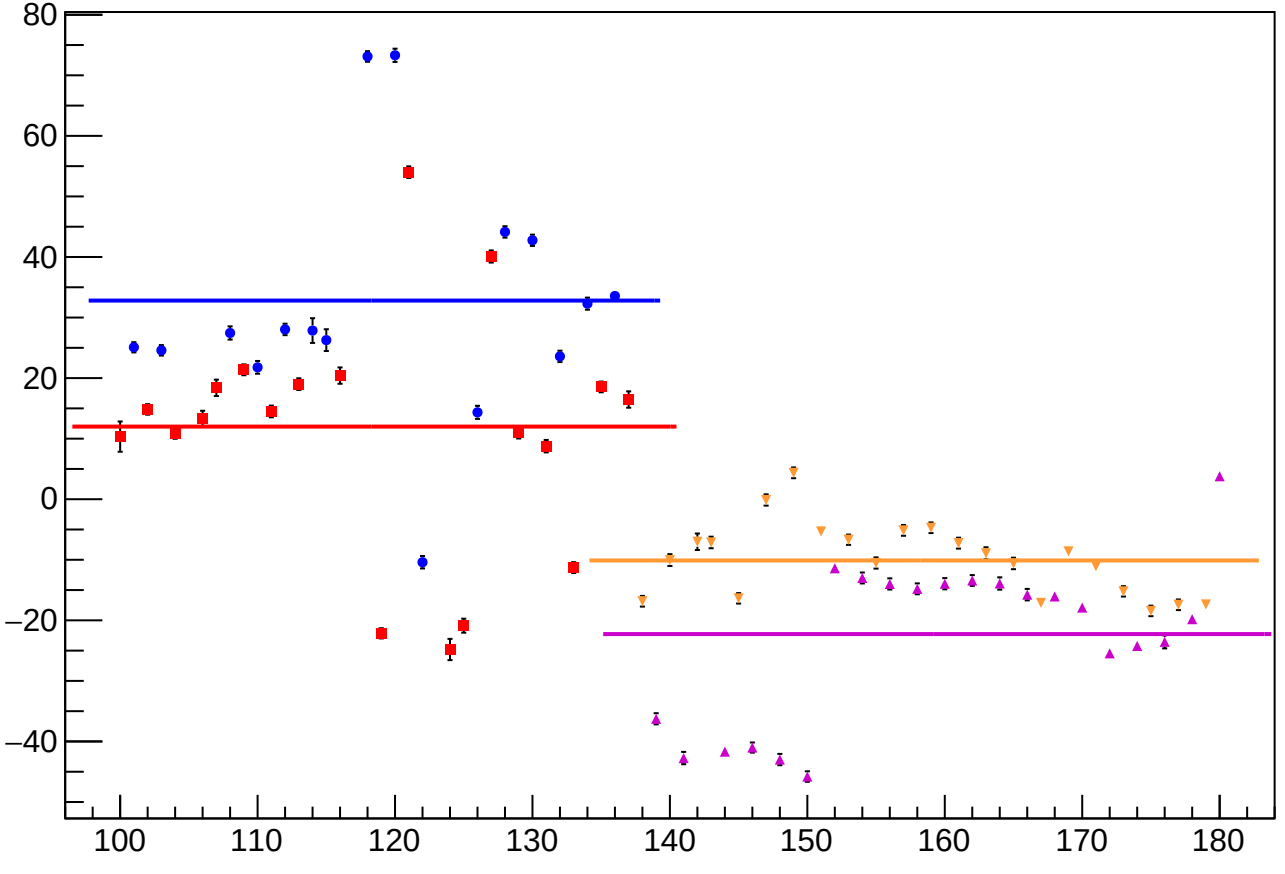
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 862.628+/-0.124 χ^2/NDF:535542.9/36

Out: 863.527+/-0.123 χ^2/NDF:508526.2/40

All: 863.082+/-0.087 χ^2/NDF: 1044095.6/77

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.114+/-0.187 χ^2/NDF:1011.9/21

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -22.267+/-0.188 χ^2/NDF:5062.5/20

Left: -16.139+/-0.133 χ^2/NDF: 8176.5/42

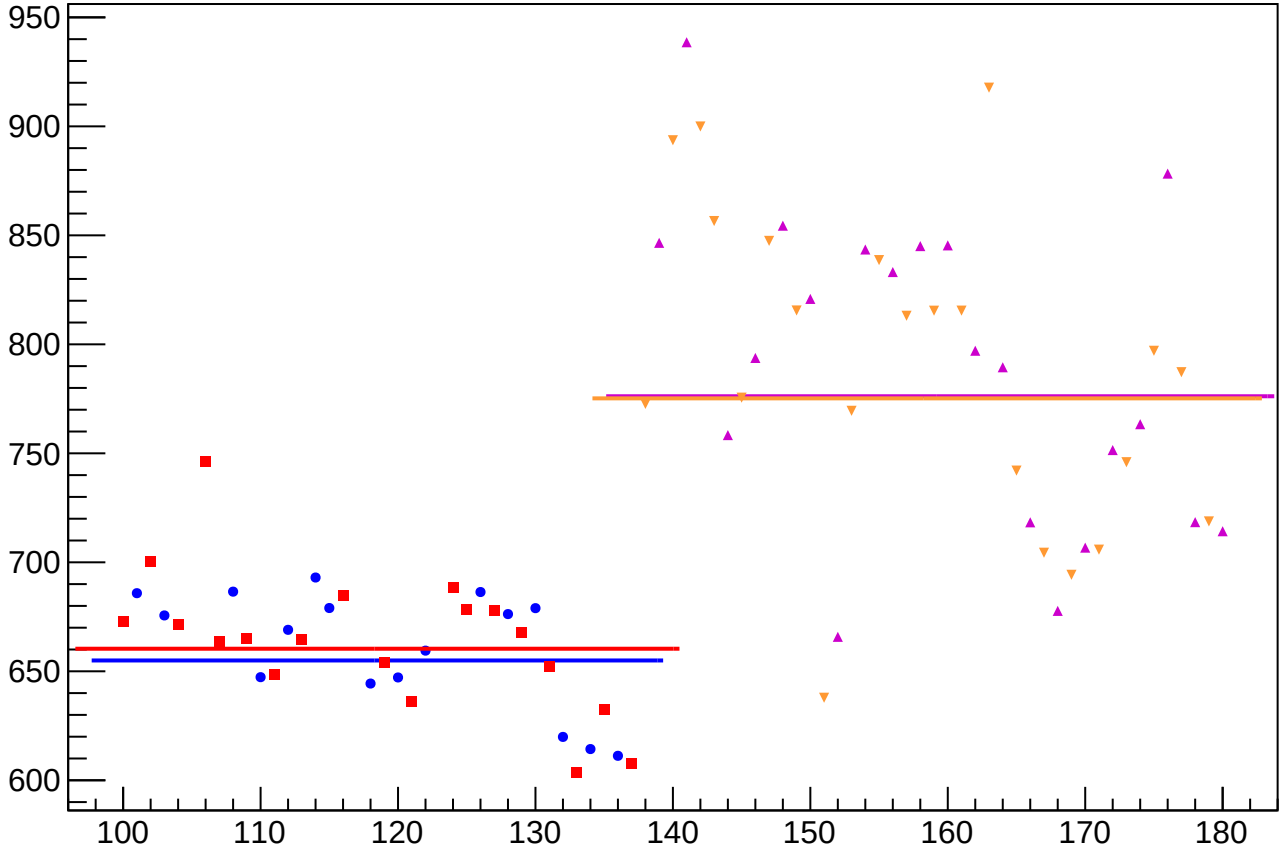
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -1.672+/-0.149 χ^2/NDF:43337.6/36

Out: -1.831+/-0.148 χ^2/NDF:12828.4/40

All: -1.752+/-0.105 χ^2/NDF: 56166.6/77

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 775.211+/-0.132 χ^2/NDF:287428.5/21

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 776.180+/-0.133 χ^2/NDF:277171.8/20

Left: 775.691+/-0.094 χ^2/NDF: 564627.0/42

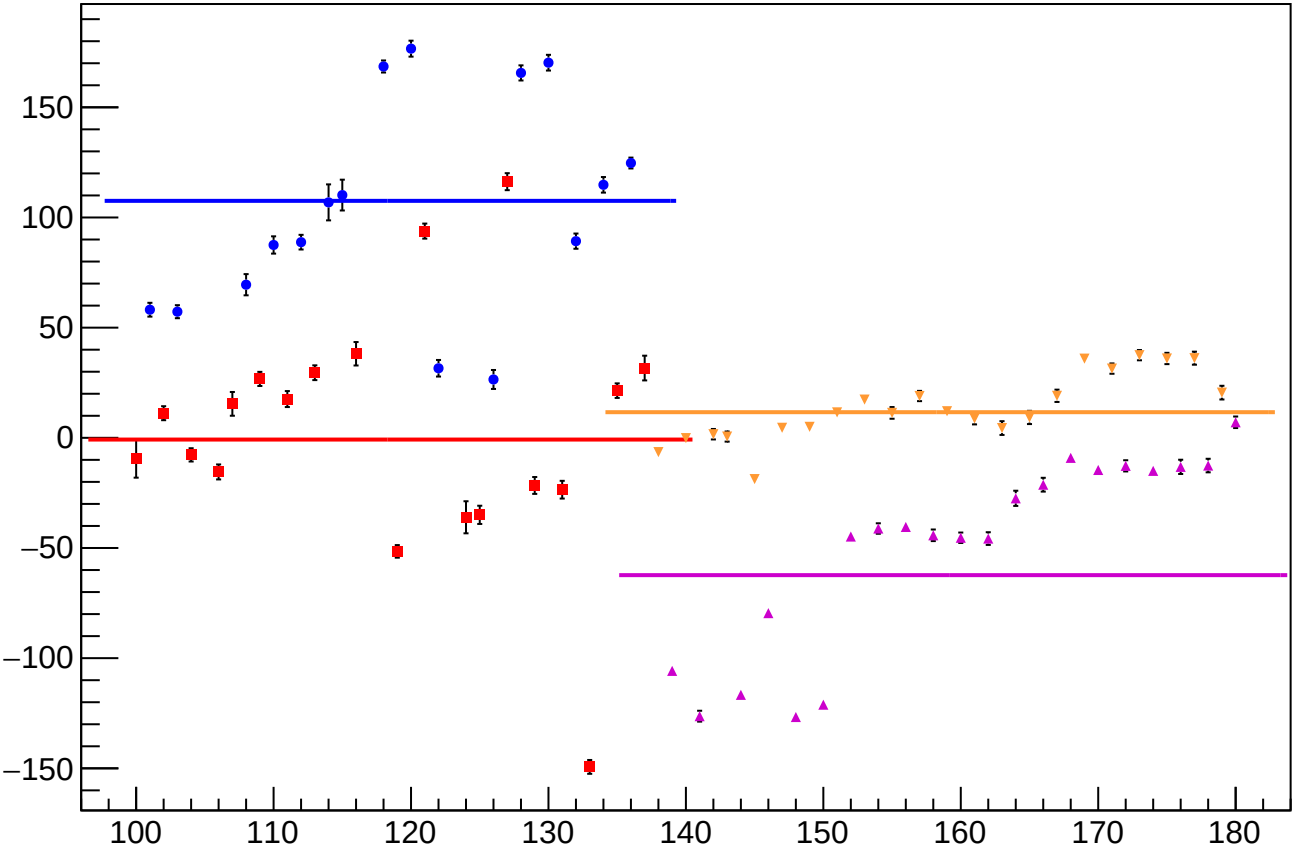
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.850+/-0.105 χ^2/NDF:614109.6/36

Out: 732.180+/-0.104 χ^2/NDF:601618.8/40

All: 731.521+/-0.074 χ^2/NDF: 1215808.8/77

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.634+/-0.491 χ^2/NDF:910.7/21

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -62.323+/-0.494 χ^2/NDF:8372.6/20

Left: -25.140+/-0.348 χ^2/NDF: 20570.5/42

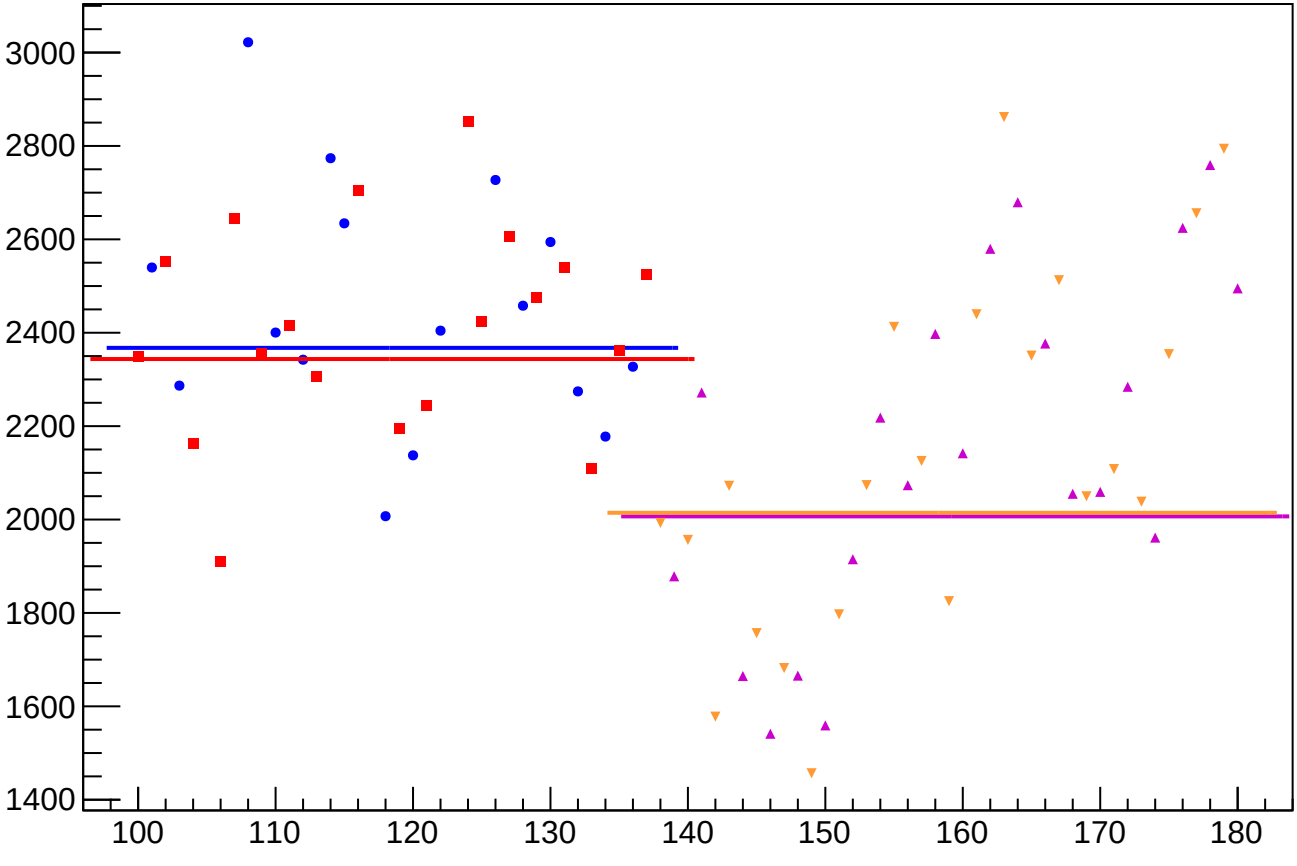
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.043+/-0.431 χ^2/NDF:39413.5/36

Out: 8.586+/-0.426 χ^2/NDF:5831.8/40

All: -6.560+/-0.303 χ^2/NDF: 47796.6/77

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2014.502+/-0.347 χ^2/NDF:1049310.8/21

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 2006.745+/-0.349 χ^2/NDF:1028358.3/20

Left: 2010.645+/-0.246 χ^2/NDF: 2077917.4/42

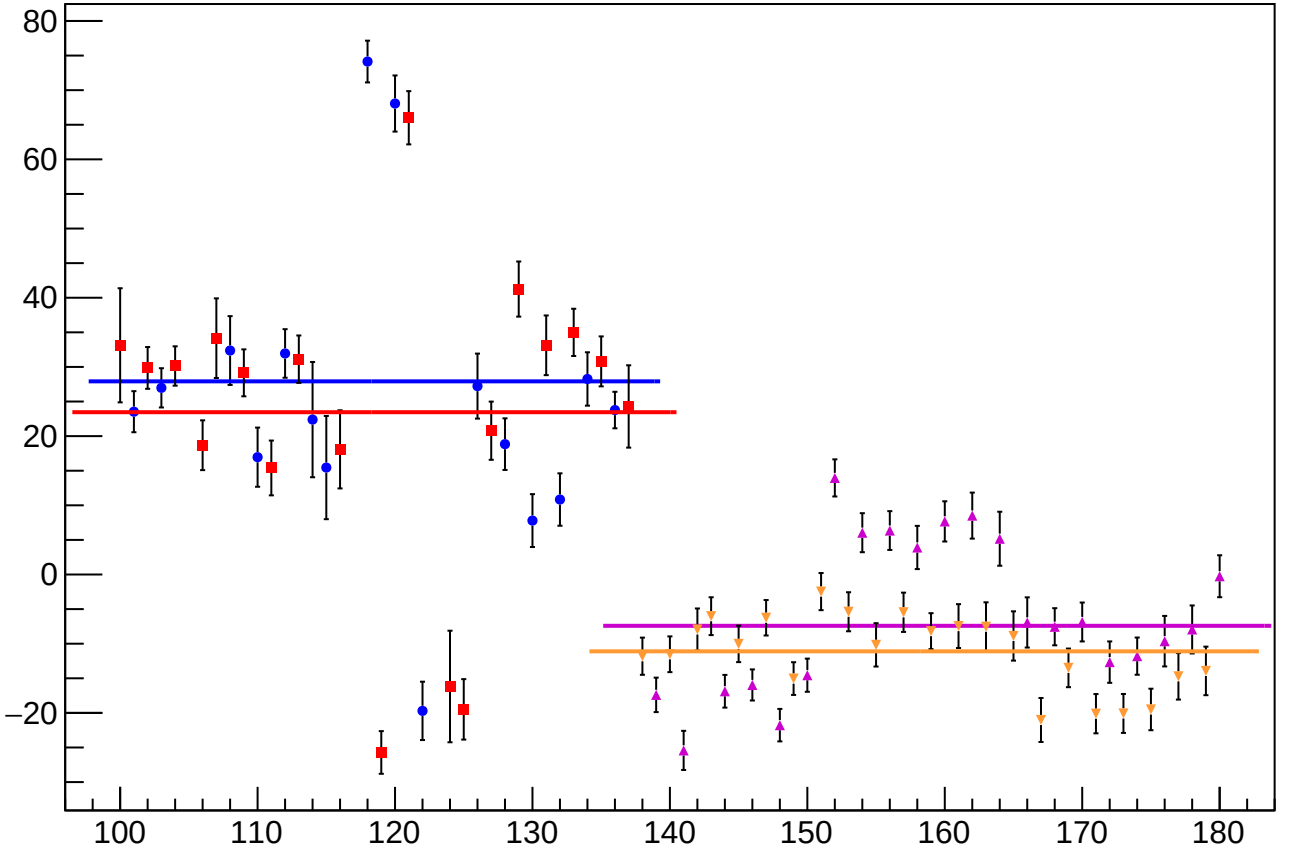
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2092.321+/-0.305 χ^2/NDF:1408641.2/36

Out: 2095.281+/-0.302 χ^2/NDF:1382313.9/40

All: 2093.817+/-0.214 χ^2/NDF: 2791002.8/77

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.103+/-0.613 χ^2/NDF:74.0/21

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.414+/-0.615 χ^2/NDF:329.0/20

Left: -9.264+/-0.434 χ^2/NDF: 421.1/42

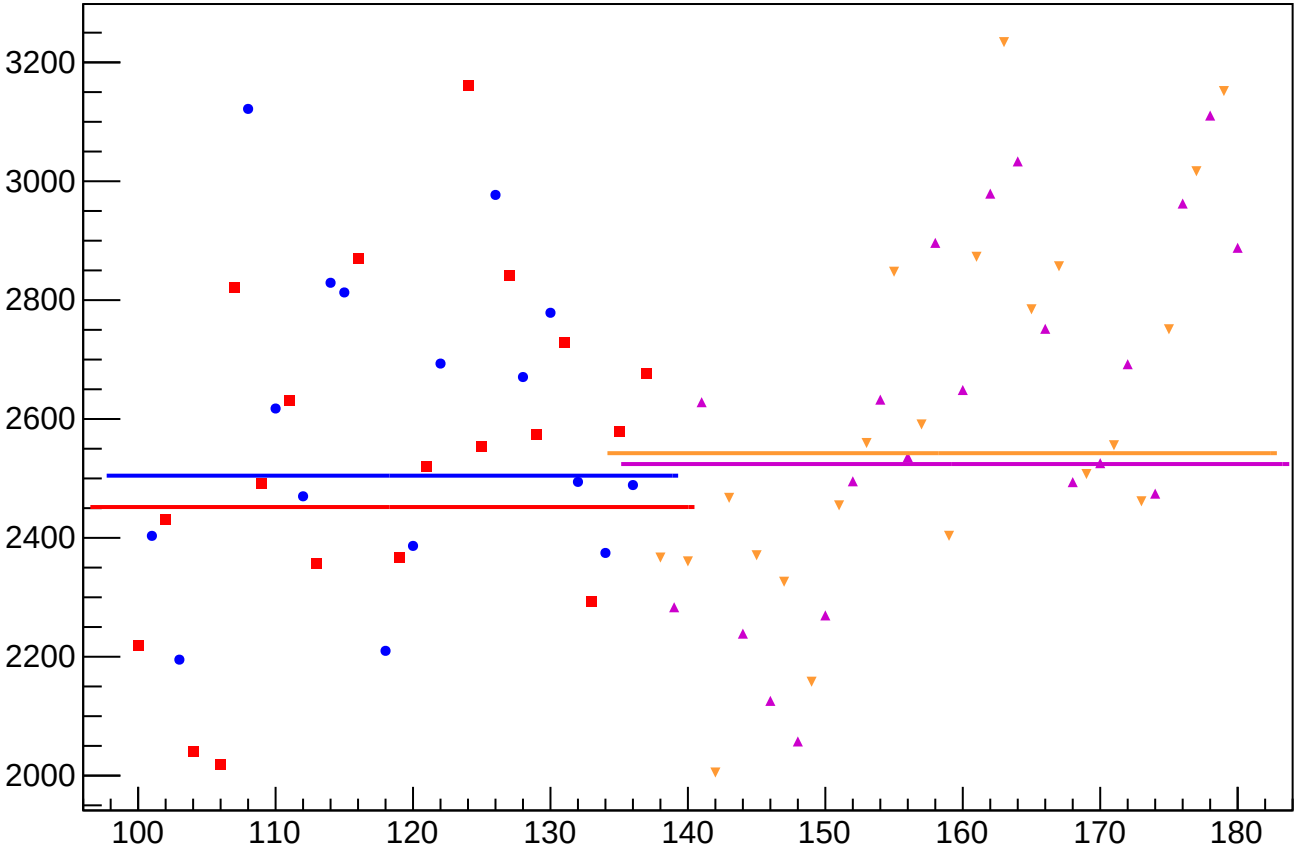
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.221+/-0.514 χ^2/NDF:1854.0/36

Out: -0.199+/-0.507 χ^2/NDF:1645.4/40

All: 1.488+/-0.361 χ^2/NDF: 3521.8/77

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2542.490+/-0.433 χ^2/NDF:425284.3/21

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2524.208+/-0.435 χ^2/NDF:451832.4/20

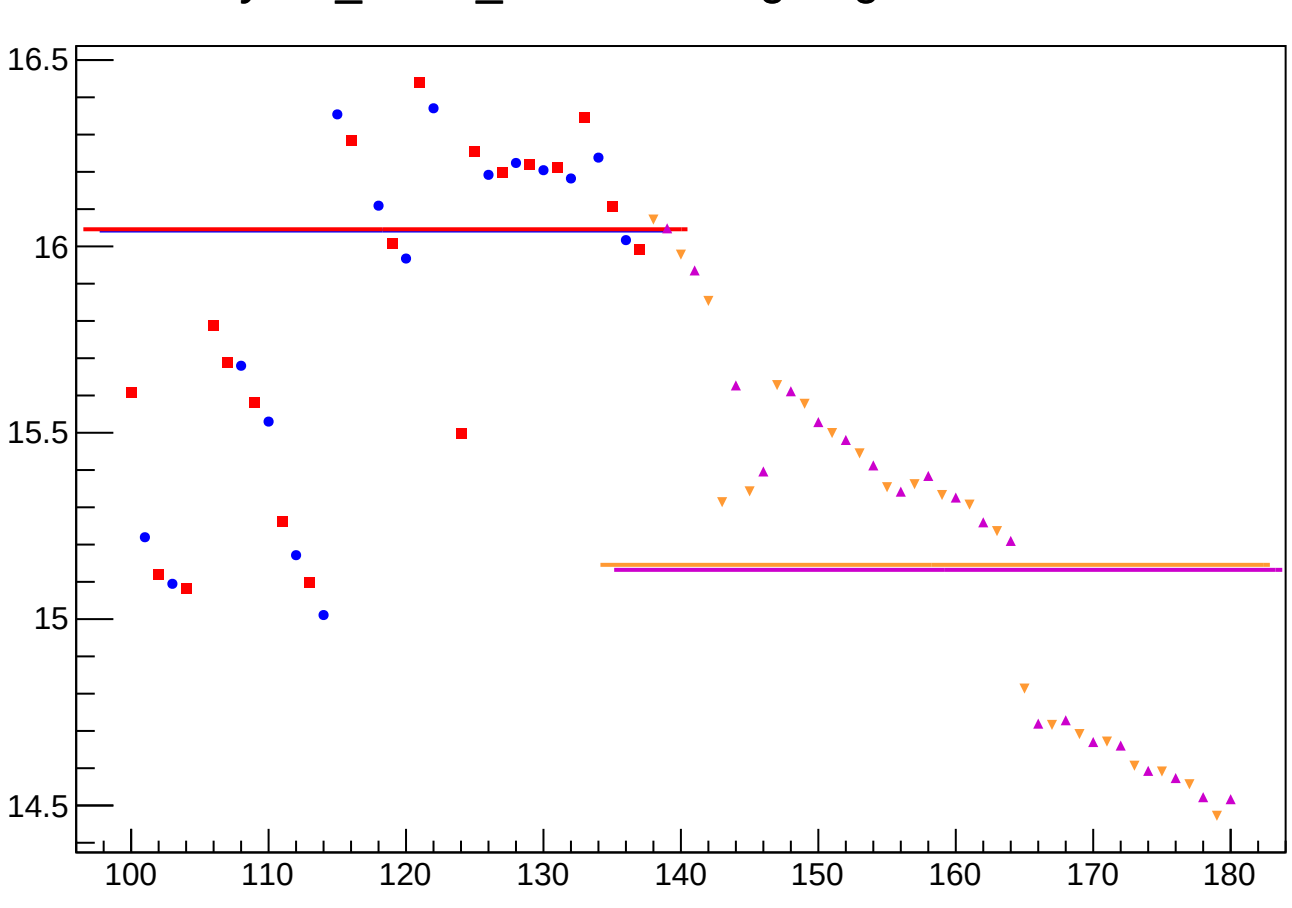
Left: 2533.378+/-0.307 χ^2/NDF: 878003.9/42

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2518.322+/-0.363 χ^2/NDF:579040.6/36

Out: 2513.902+/-0.359 χ^2/NDF:592317.3/40

All: 2516.082+/-0.255 χ^2/NDF: 1171432.9/77



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.146+/-0.000 χ^2/NDF:36337318944.8/21

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.132+/-0.000 χ^2/NDF:35271625970.3/20

Left: 15.139+/-0.000 χ^2/NDF: 71622497229.5/42

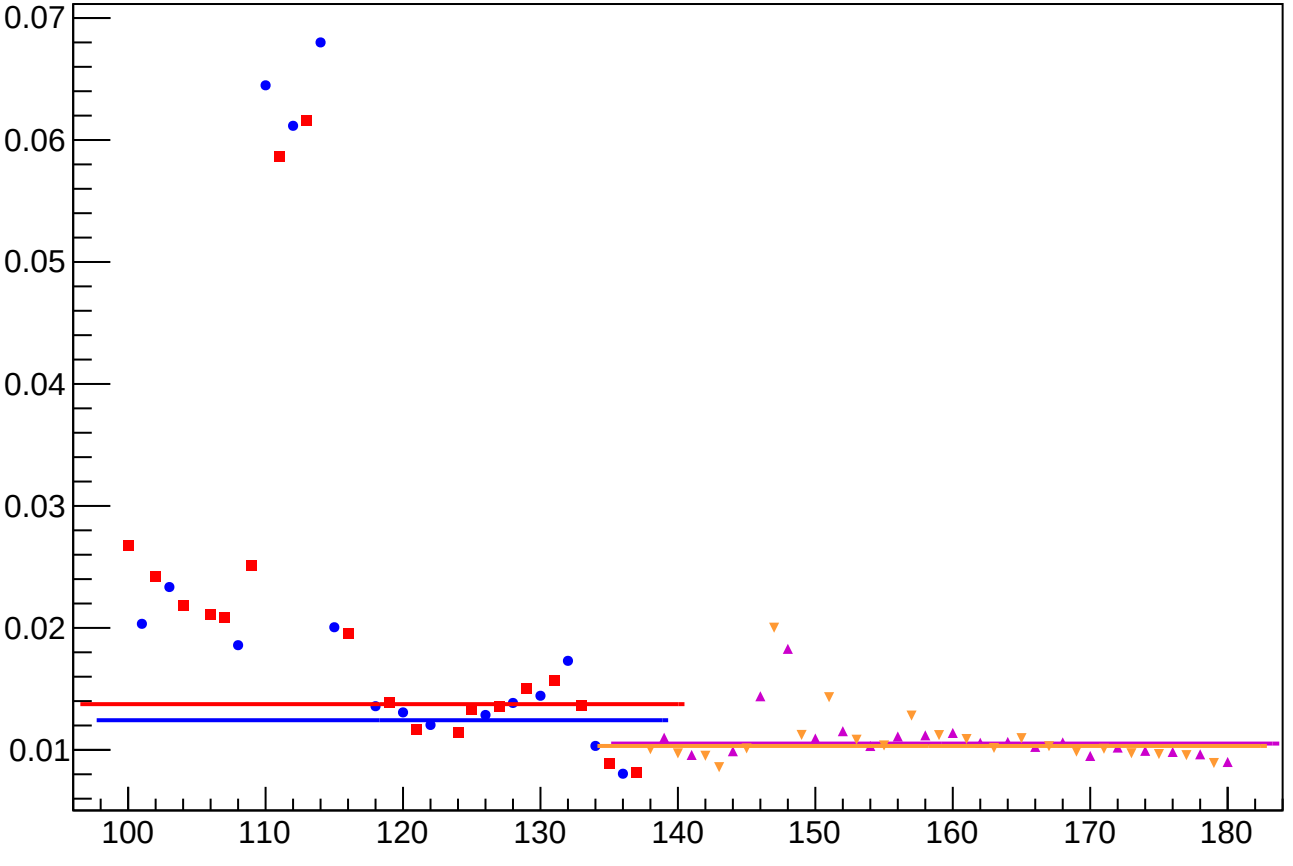
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.311+/-0.000 χ^2/NDF:61843498385.0/36

Out: 15.293+/-0.000 χ^2/NDF:60275905646.2/40

All: 15.302+/-0.000 χ^2/NDF: 122146789655.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:729675.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:558224.6/20

Left: 0.010+/-0.000 χ^2/NDF: 1293599.1/42

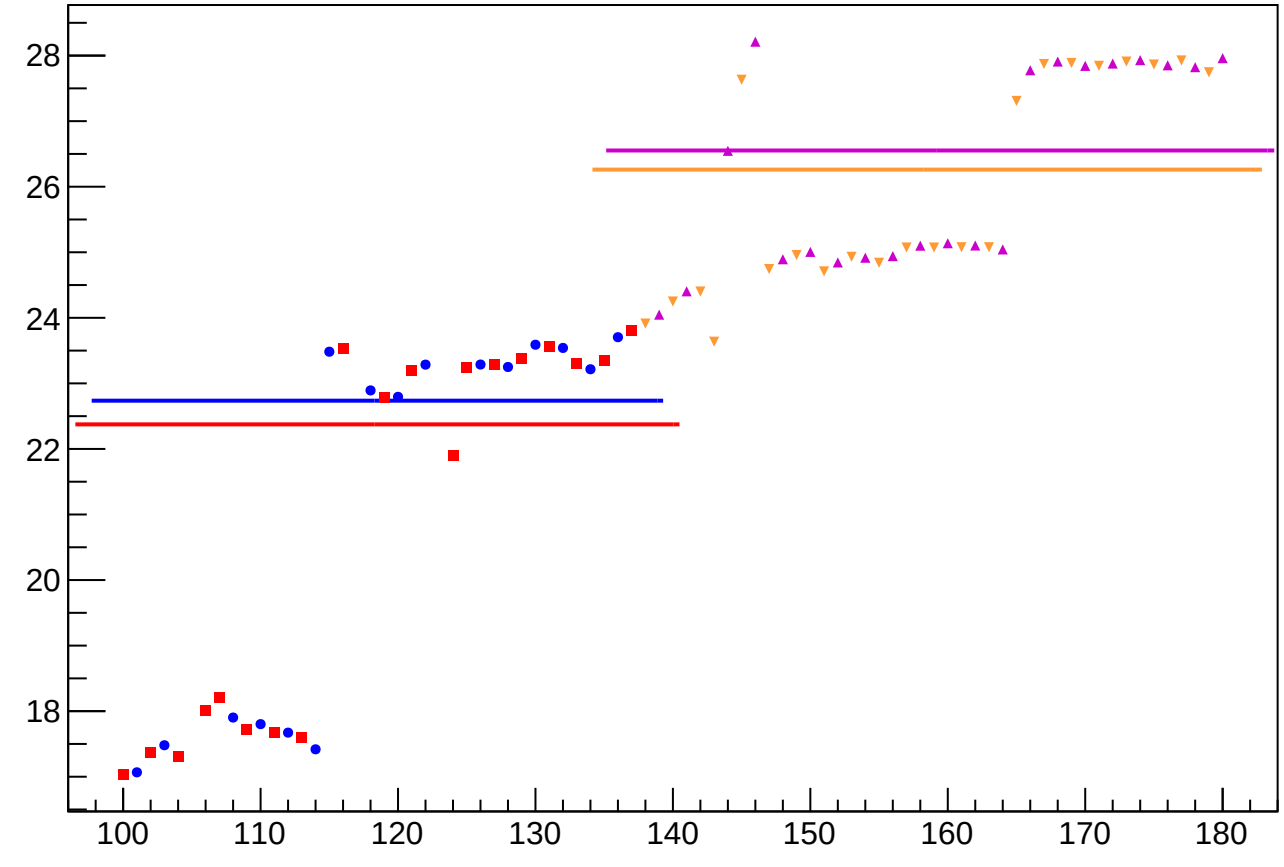
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3085001.6/36

Out: 0.011+/-0.000 χ^2/NDF:3551287.7/40

All: 0.011+/-0.000 χ^2/NDF: 6636301.7/77

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.261+/-0.000 χ^2/NDF:3357488157.1/21

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.553+/-0.000 χ^2/NDF:2696569204.2/20

Left: 26.405+/-0.000 χ^2/NDF: 6108236984.6/42

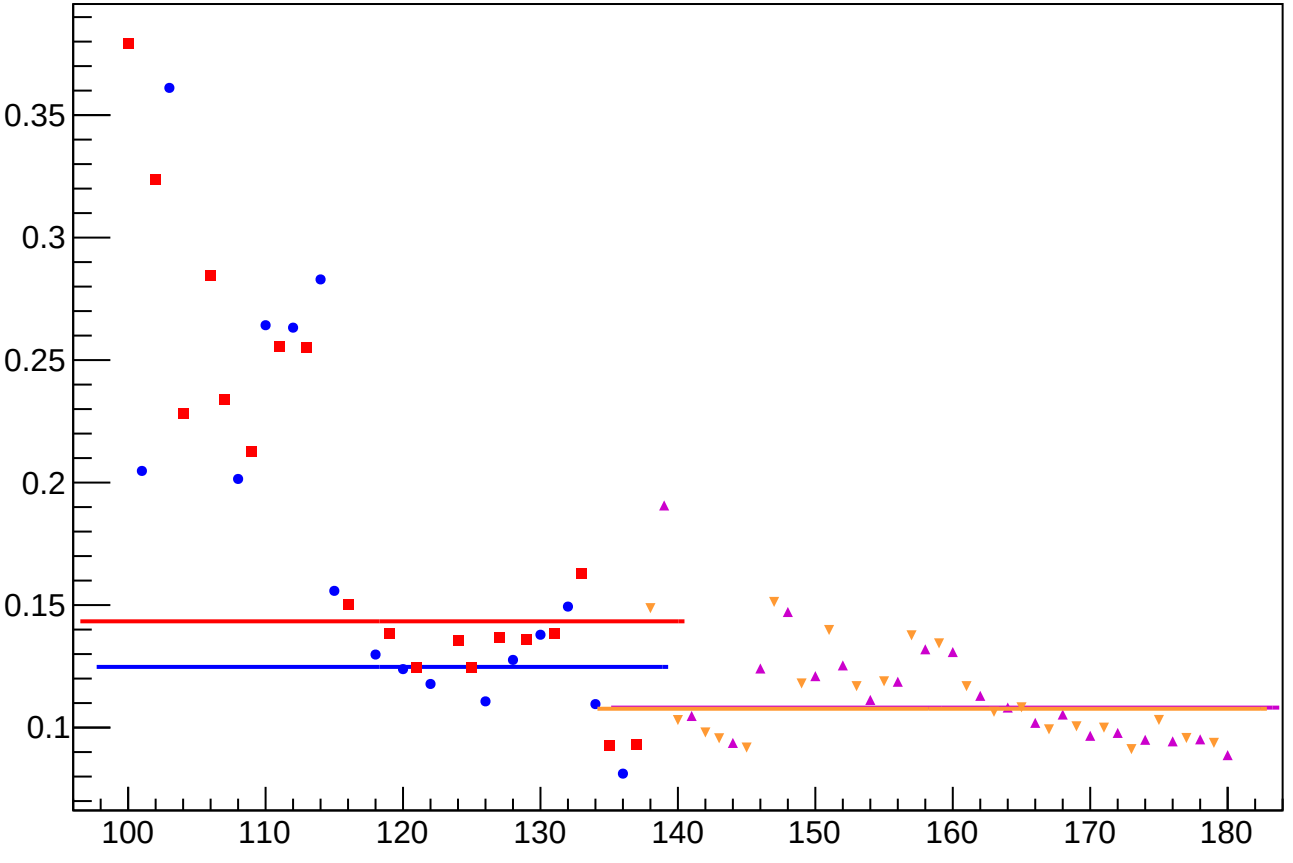
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.734+/-0.000 χ^2/NDF:7847773189.3/36

Out: 25.568+/-0.000 χ^2/NDF:8042272420.7/40

All: 25.652+/-0.000 χ^2/NDF: 15911710534.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:678575.6/21

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.108+/-0.000 χ^2/NDF:833393.8/20

Left: 0.108+/-0.000 χ^2/NDF: 1512241.8/42

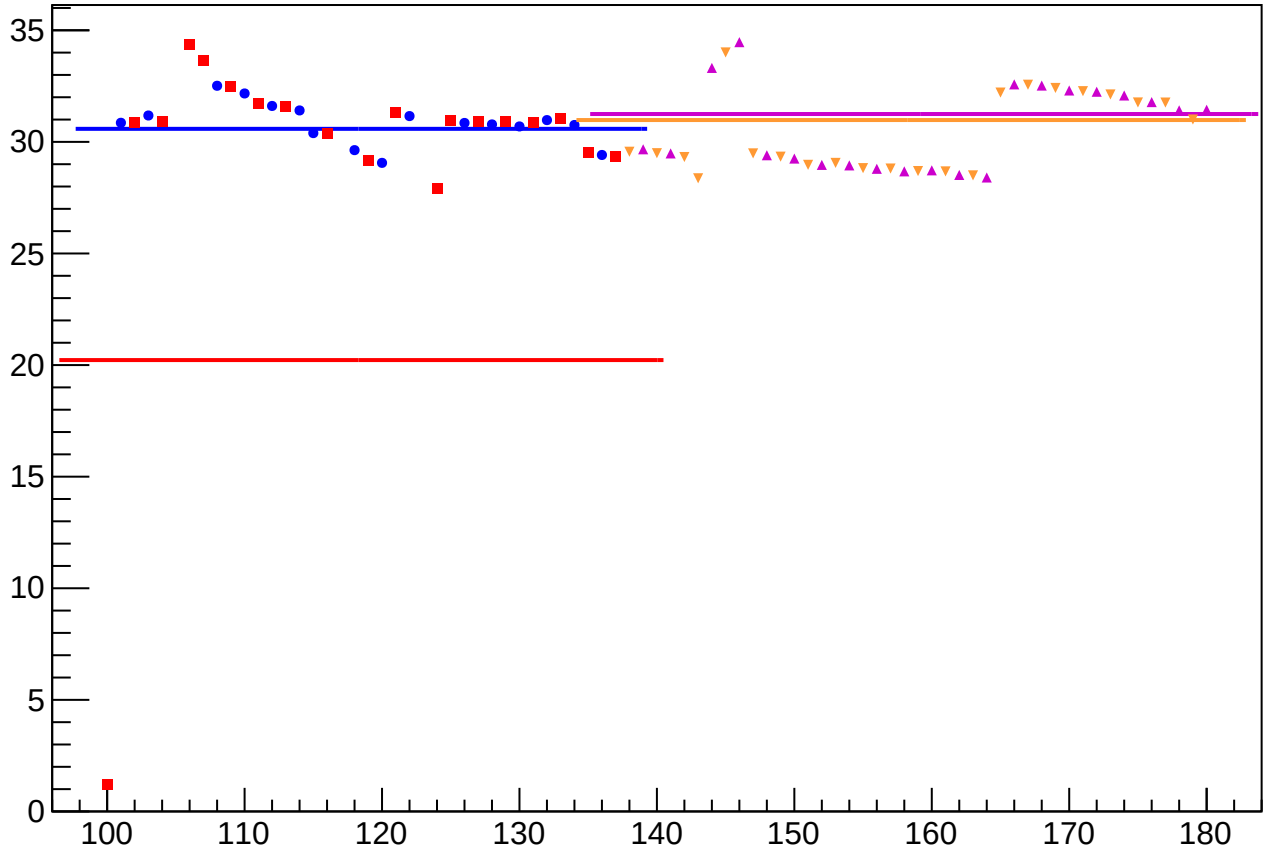
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.112+/-0.000 χ^2/NDF:2732155.6/36

Out: 0.114+/-0.000 χ^2/NDF:2833582.8/40

All: 0.113+/-0.000 χ^2/NDF: 5574353.5/77

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.978+/-0.000 χ^2/NDF:11786753513.7/21

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.249+/-0.000 χ^2/NDF:12572487942.1/20

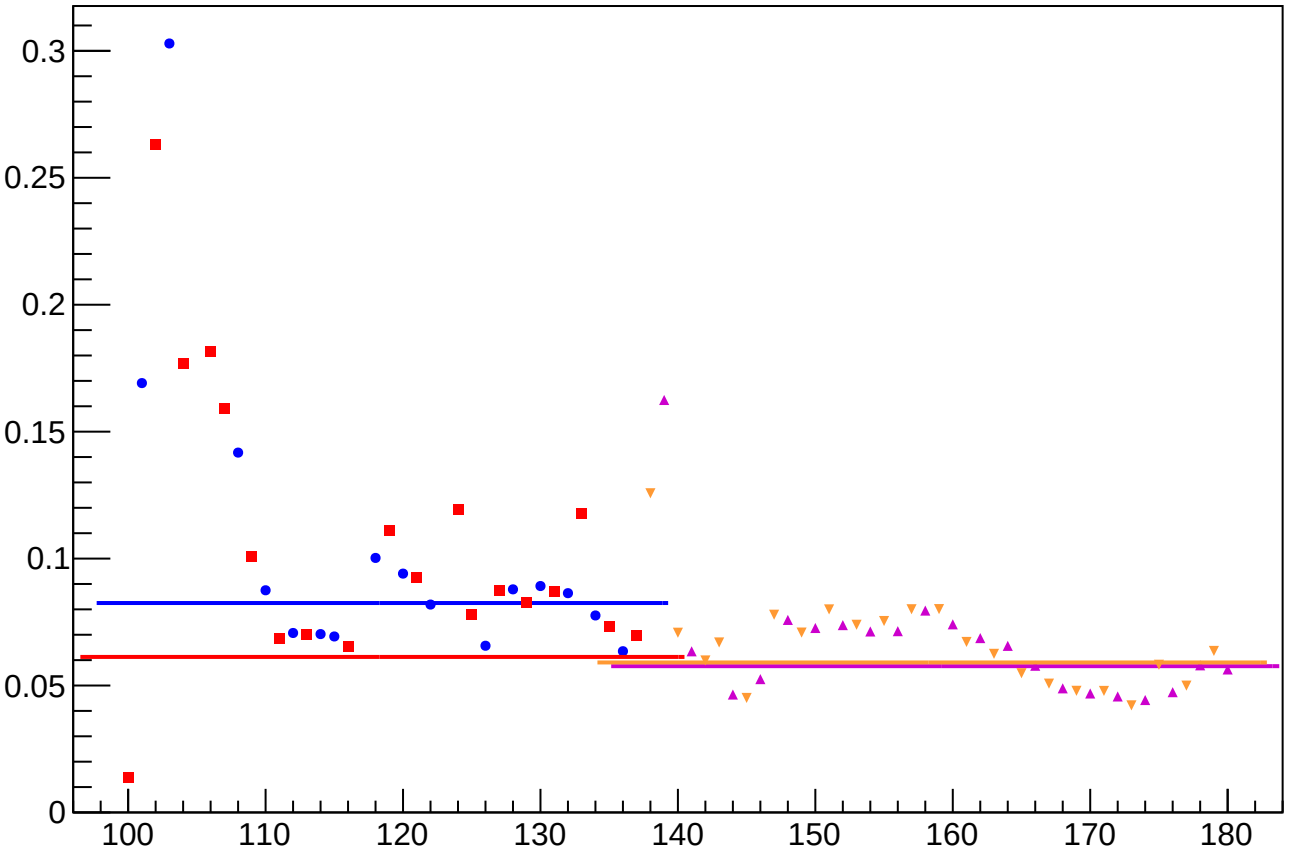
Left: 31.115+/-0.000 χ^2/NDF: 24499990874.1/42

Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.139+/-0.000 χ^2/NDF:13509706844.1/36

Out: 28.585+/-0.000 χ^2/NDF:330888212428.7/40

All: 29.835+/-0.000 χ^2/NDF: 360006358784.



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1503722.3/21

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1695934.7/20

Left: 0.058+/-0.000 χ^2/NDF: 3207865.8/42

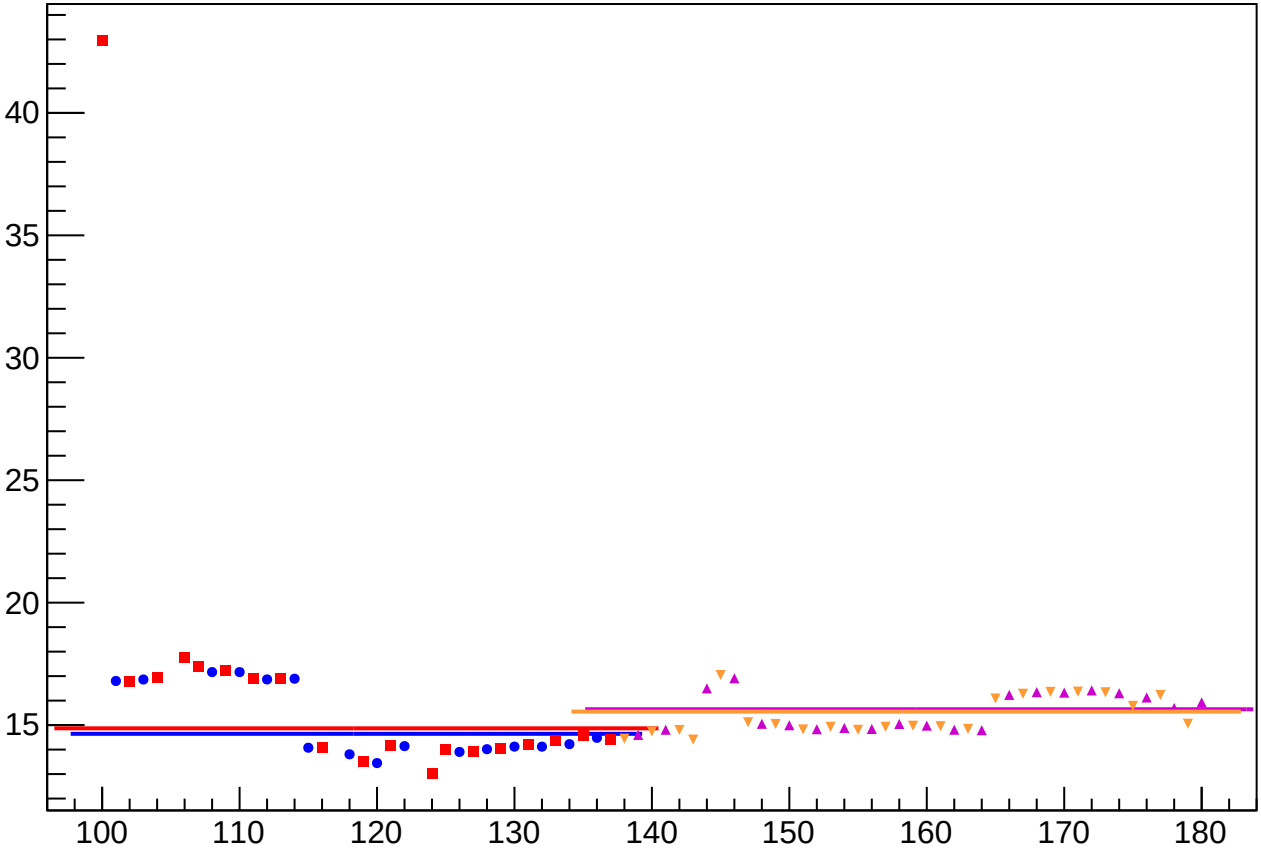
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3756703.8/36

Out: 0.060+/-0.000 χ^2/NDF:5526052.1/40

All: 0.061+/-0.000 χ^2/NDF: 9305169.5/77

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.552+/-0.000 χ^2/NDF:2176771571.1/21

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.647+/-0.000 χ^2/NDF:1842819889.4/20

Left: 15.599+/-0.000 χ^2/NDF: 4035616377.7/42

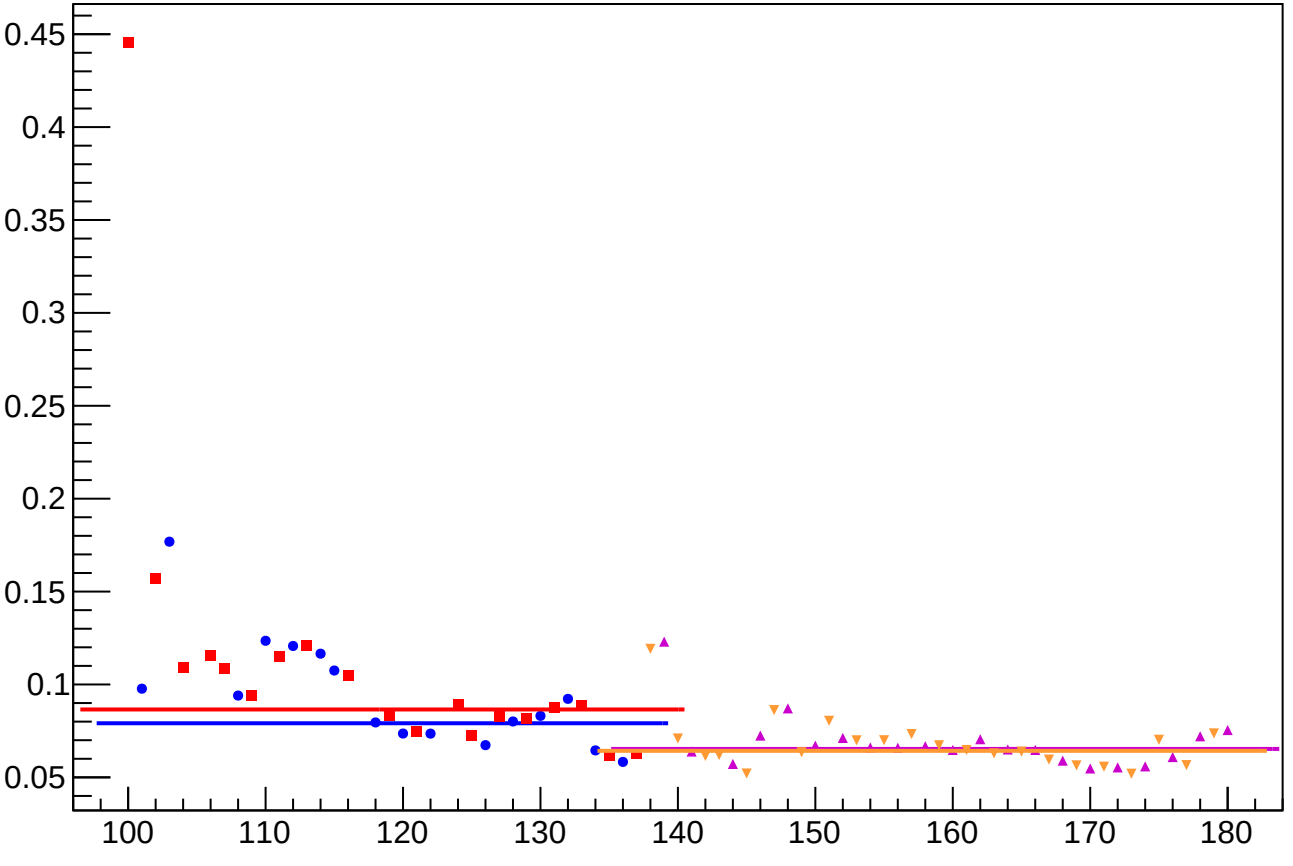
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.432+/-0.000 χ^2/NDF:3777964161.8/36

Out: 15.424+/-0.000 χ^2/NDF:4218318653.3/40

All: 15.428+/-0.000 χ^2/NDF: 7996426747.1/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:795070.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:725790.0/20

Left: 0.065+/-0.000 χ^2/NDF: 1524526.2/42

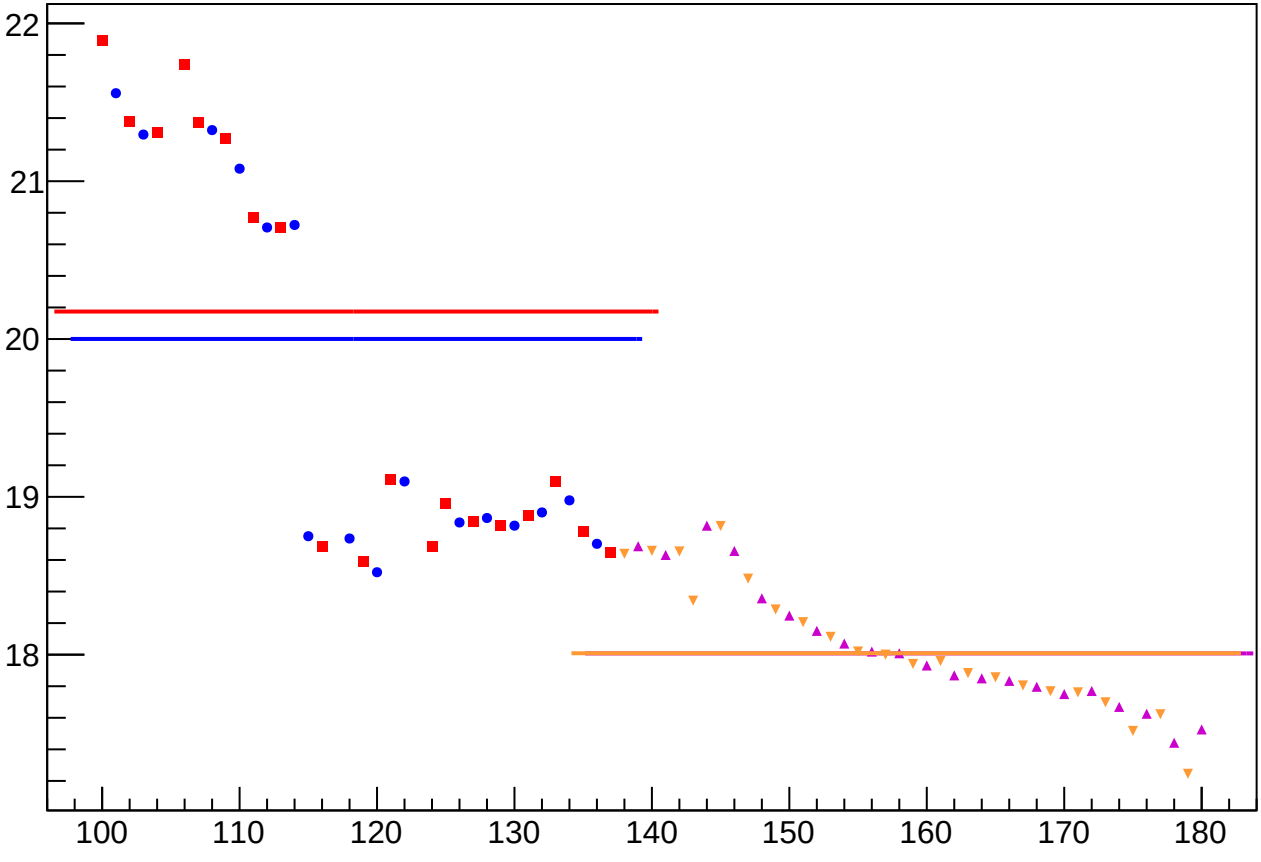
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1925282.1/36

Out: 0.068+/-0.000 χ^2/NDF:2249372.1/40

All: 0.068+/-0.000 χ^2/NDF: 4174784.9/77

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.009+/-0.000 χ^2/NDF:2643796053.0/21

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.008+/-0.000 χ^2/NDF:2452286861.2/20

Left: 18.008+/-0.000 χ^2/NDF: 5096092115.3/42

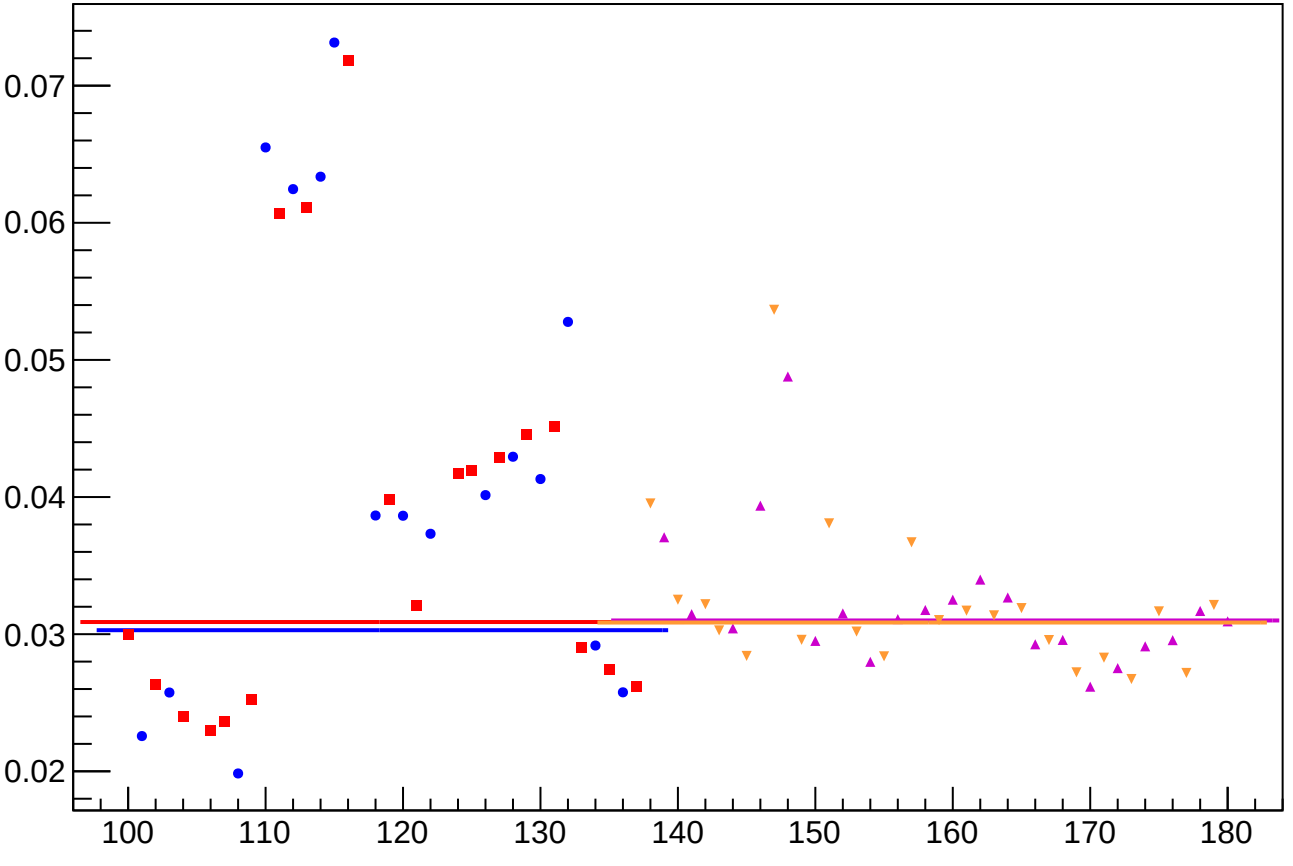
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.559+/-0.000 χ^2/NDF:31992144614.8/36

Out: 18.600+/-0.000 χ^2/NDF:35286282563.2/40

All: 18.580+/-0.000 χ^2/NDF: 67298111304.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:605415.3/21

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:470001.9/20

Left: 0.031+/-0.000 χ^2/NDF: 1075798.7/42

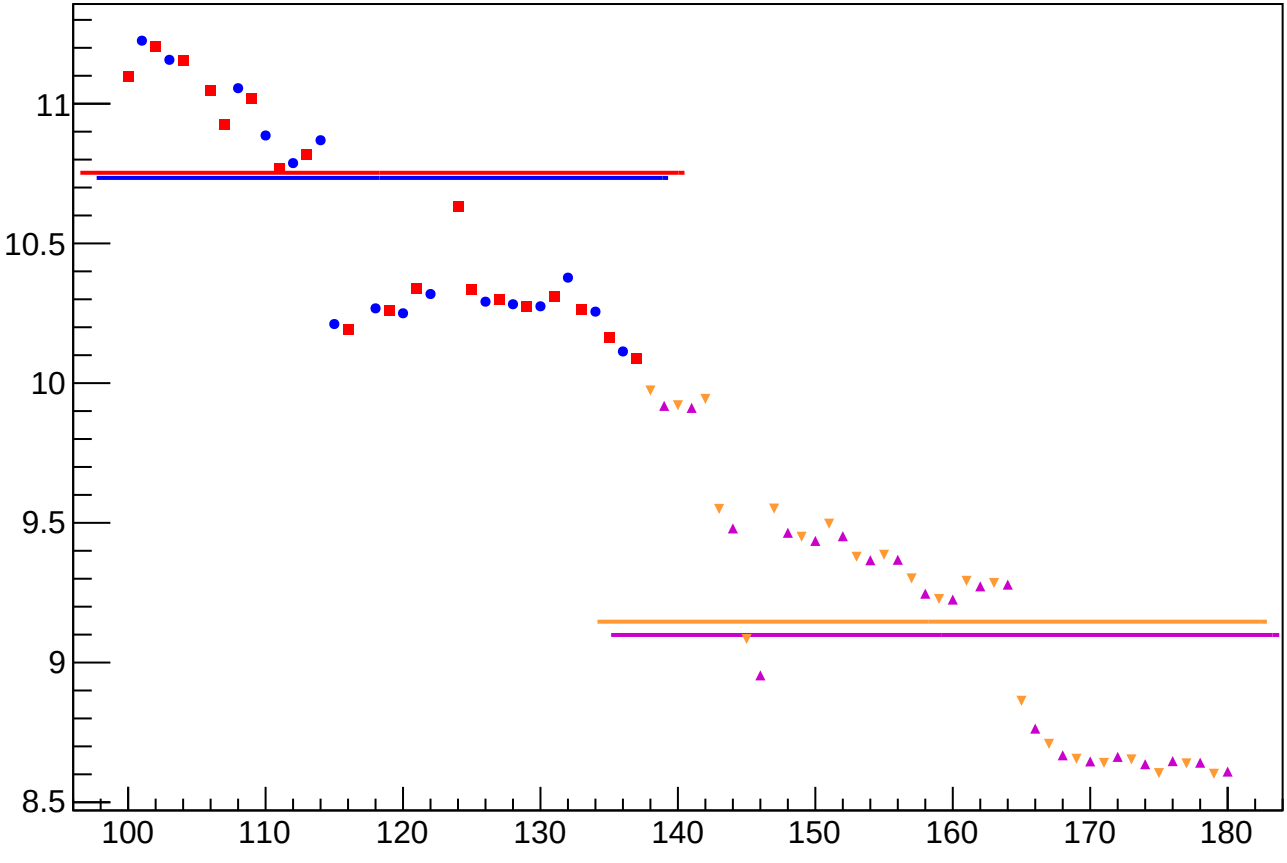
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1922106.9/36

Out: 0.031+/-0.000 χ^2/NDF:1810157.3/40

All: 0.031+/-0.000 χ^2/NDF: 3732341.5/77

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.146+/-0.000 χ^2/NDF:8794126365.8/21

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.099+/-0.000 χ^2/NDF:7417342882.8/20

Left: 9.123+/-0.000 χ^2/NDF: 16259623384.5/42

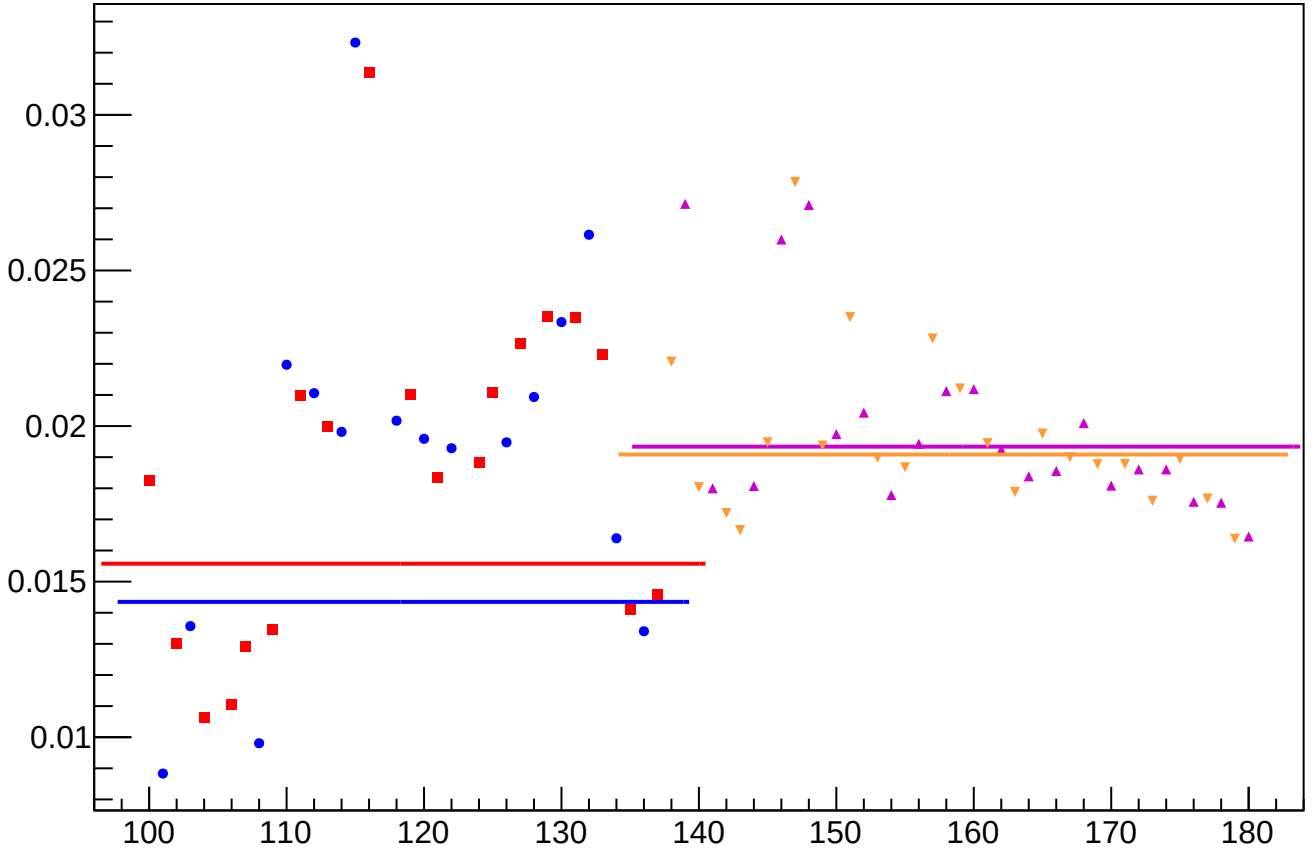
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.751+/-0.000 χ^2/NDF:57712141231.0/36

Out: 9.740+/-0.000 χ^2/NDF:54648443705.4/40

All: 9.746+/-0.000 χ^2/NDF: 112364883490.4

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:412045.9/21

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.019+/-0.000 χ^2/NDF:527437.2/20

Left: 0.019+/-0.000 χ^2/NDF: 942195.6/42

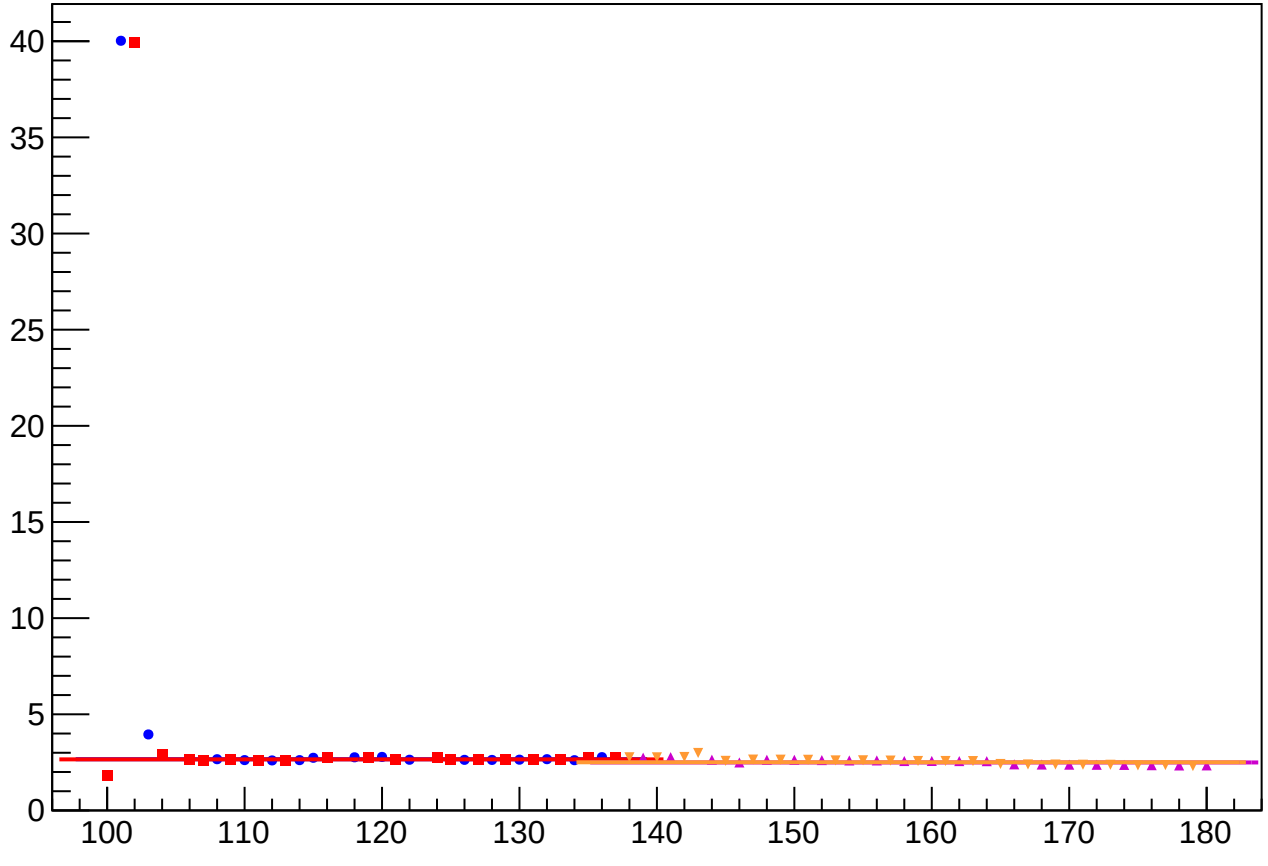
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2835529.4/36

Out: 0.018+/-0.000 χ^2/NDF:1880085.8/40

All: 0.018+/-0.000 χ^2/NDF: 4729034.7/77

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.506+/-0.000 χ^2/NDF:85100255116.0/21

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.496+/-0.000 χ^2/NDF:57282662944.1/20

Left: 2.501+/-0.000 χ^2/NDF: 142534582596.4/42

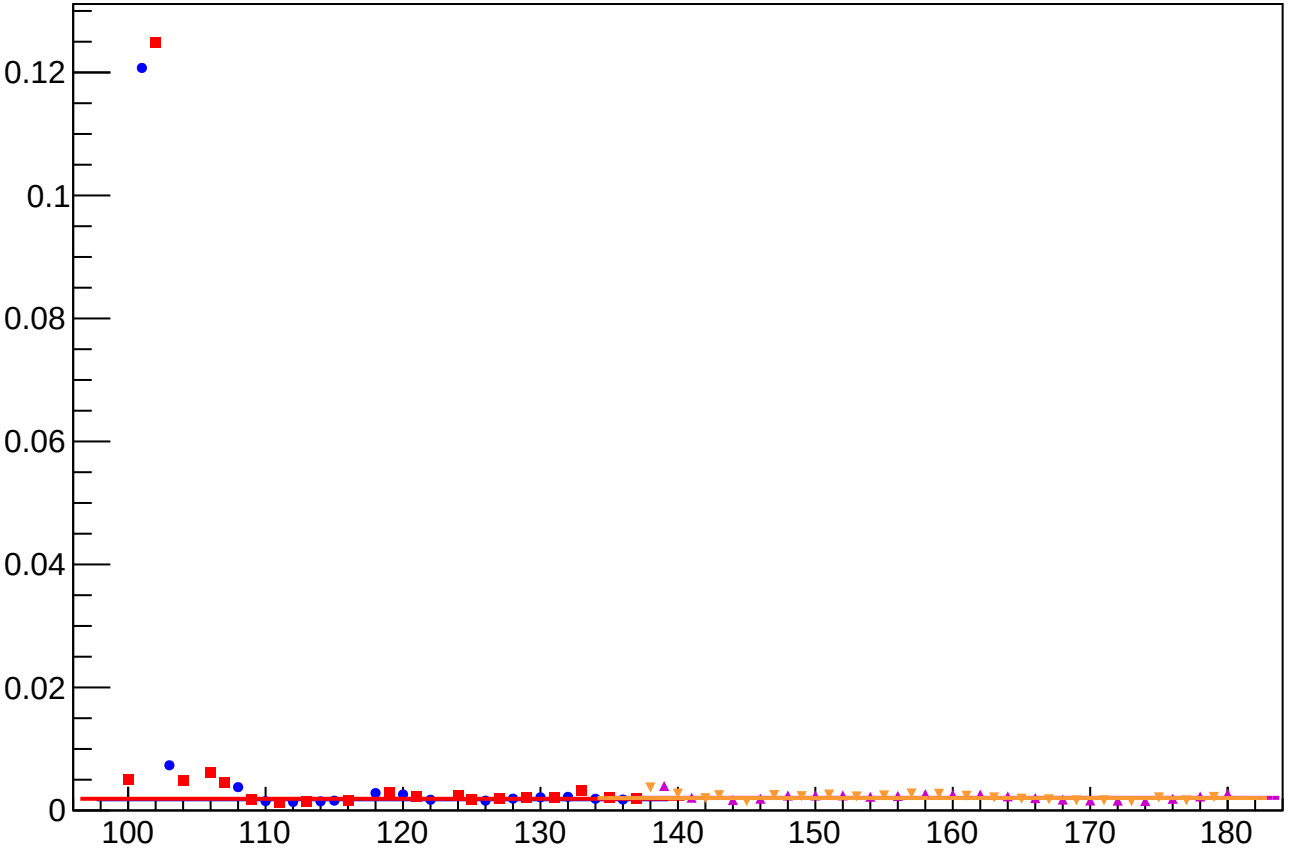
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.547+/-0.000 χ^2/NDF:153375113374.4/36

Out: 2.549+/-0.000 χ^2/NDF:172872334325.7/40

All: 2.548+/-0.000 χ^2/NDF: 326258547711.4

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:1462937.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1331154.6/20

Left: 0.002+/-0.000 χ^2/NDF: 2797683.0/42

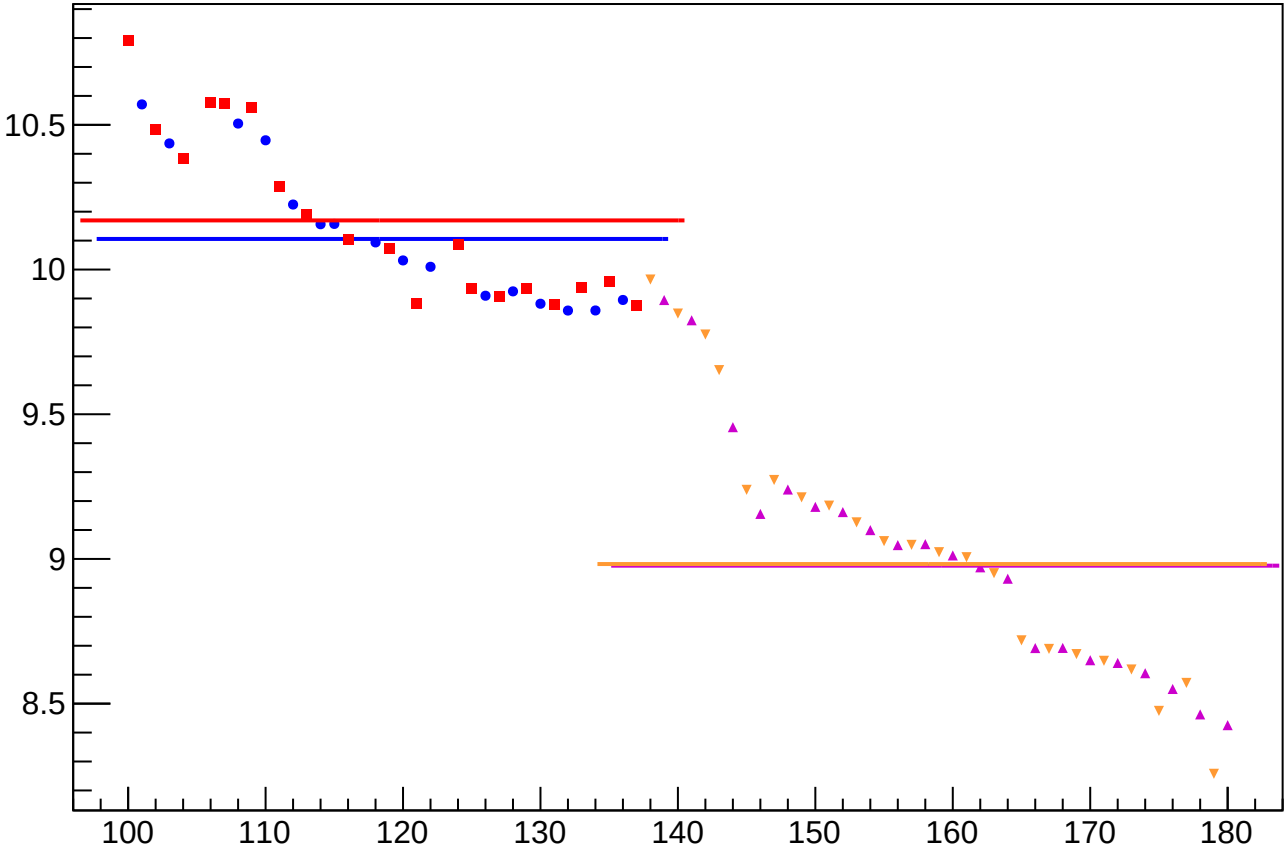
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3266677.1/36

Out: 0.002+/-0.000 χ^2/NDF:4016959.4/40

All: 0.002+/-0.000 χ^2/NDF: 7283751.4/77

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.982+/-0.000 χ^2/NDF:58018828654.2/21

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 8.977+/-0.000 χ^2/NDF:46749621065.8/20

Left: 8.980+/-0.000 χ^2/NDF: 104774258499.7/42

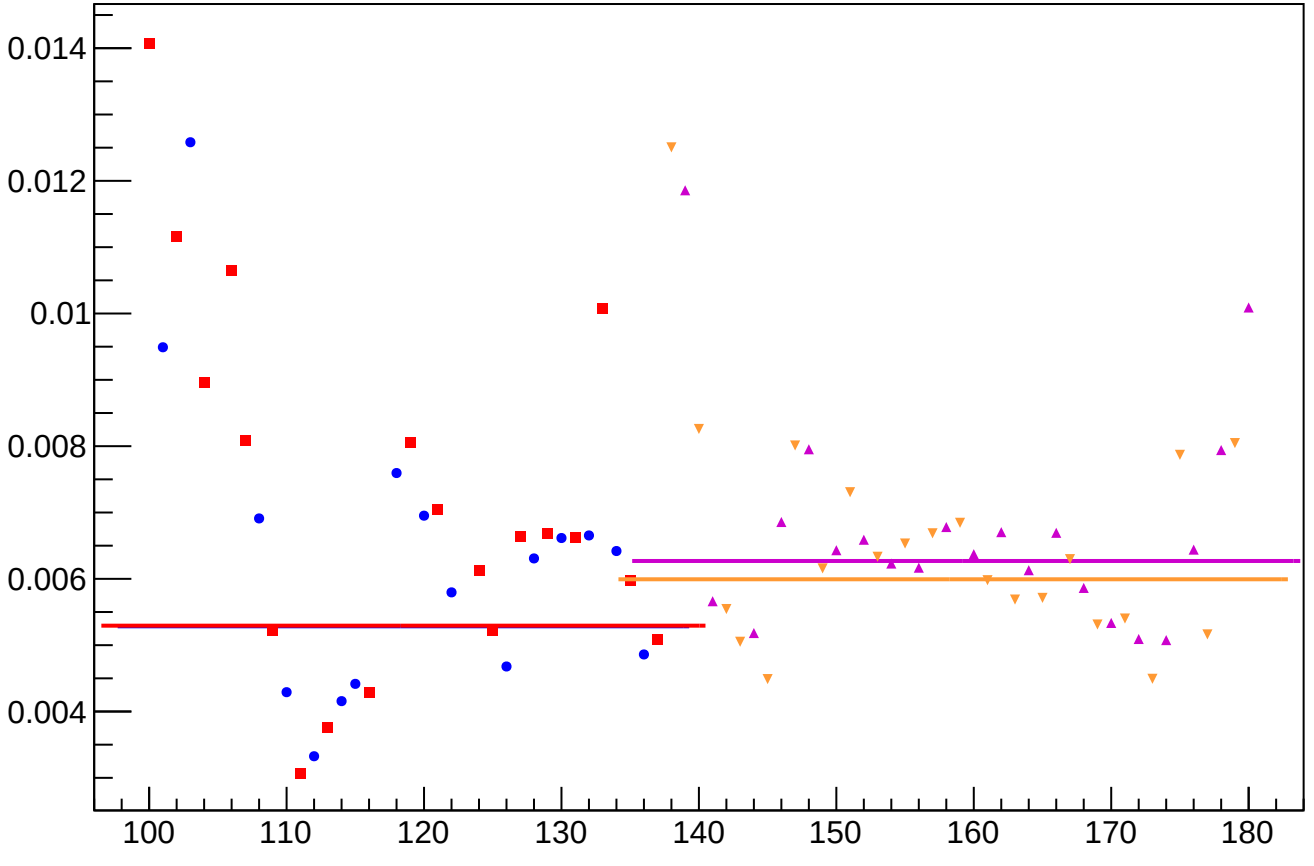
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.379+/-0.000 χ^2/NDF:214701098810.6/36

Out: 9.383+/-0.000 χ^2/NDF:250989341617.7/40

All: 9.381+/-0.000 χ^2/NDF: 465697191091.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1235641.4/21

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1007128.5/20

Left: 0.006+/-0.000 χ^2/NDF: 2270726.6/42

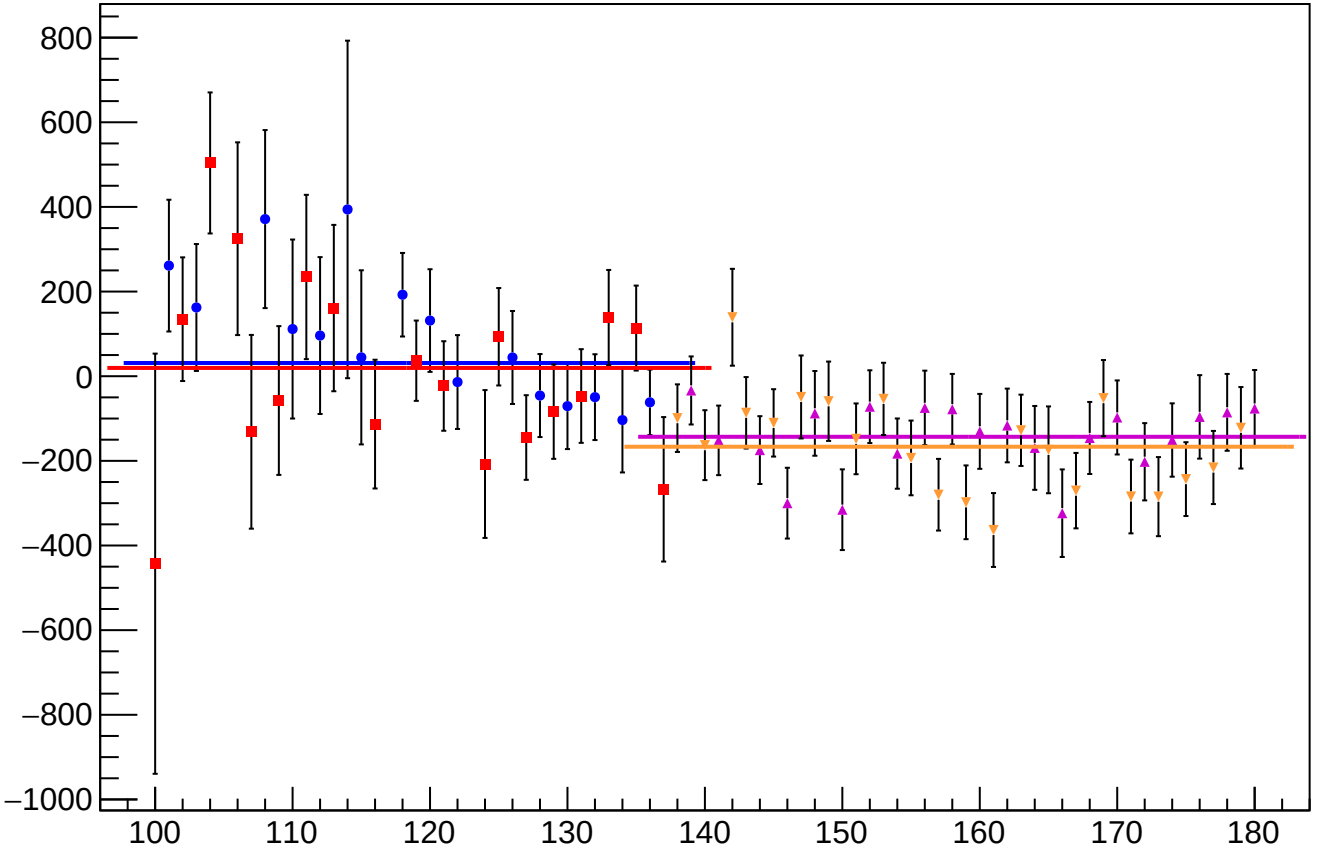
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2522920.9/36

Out: 0.006+/-0.000 χ^2/NDF:3155417.6/40

All: 0.006+/-0.000 χ^2/NDF: 5693043.6/77

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.607+/-18.857 χ^2/NDF:31.0/21

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -143.134+/-19.295 χ^2/NDF:16.3/20

Left: -155.140+/-13.486 χ^2/NDF: 48.1/42

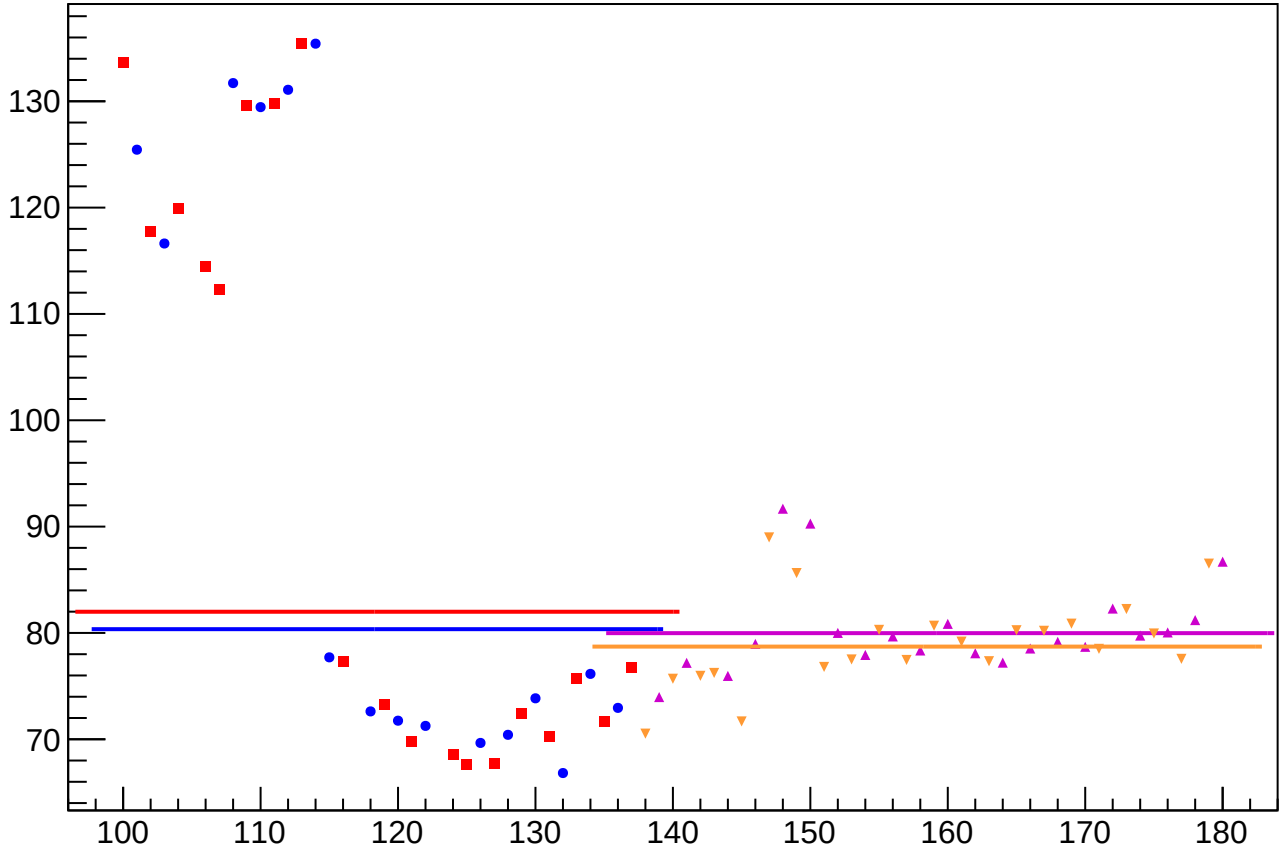
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -93.954+/-16.349 χ^2/NDF:54.4/36

Out: -116.460+/-16.119 χ^2/NDF:83.1/40

All: -105.367+/-11.478 χ^2/NDF: 138.6/77

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

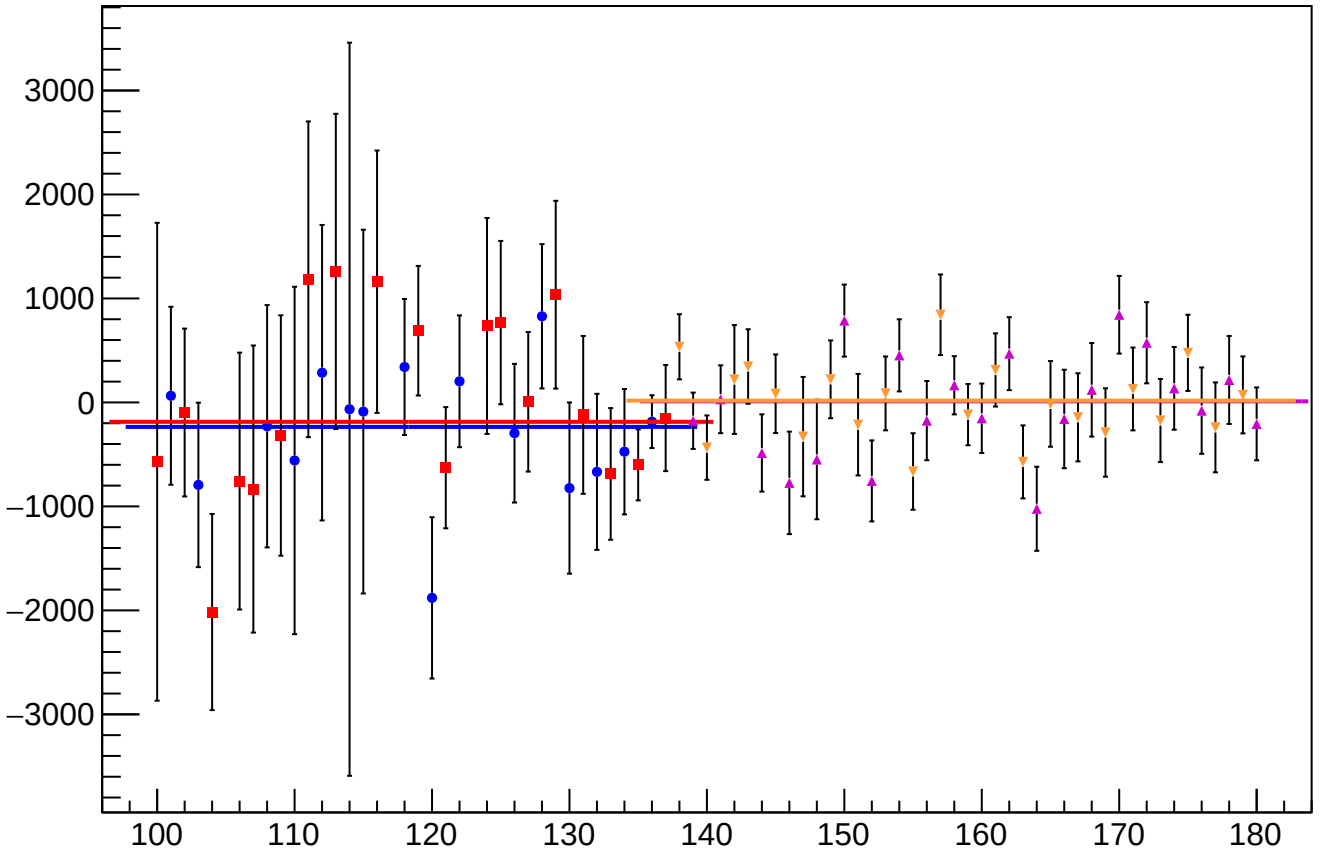
Left: 79.333+/-0.010 χ^2/NDF: 190289.7/42

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.086+/-0.012 χ^2/NDF:928052.0/36

Out: 79.598+/-0.011 χ^2/NDF:1046705.0/40

All: 79.838+/-0.008 χ^2/NDF: 1975658.6/77



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.333+/-80.913 χ^2/NDF:21.4/21

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 10.276+/-80.990 χ^2/NDF:33.3/20

Left: 13.807+/-57.241 χ^2/NDF: 54.7/42

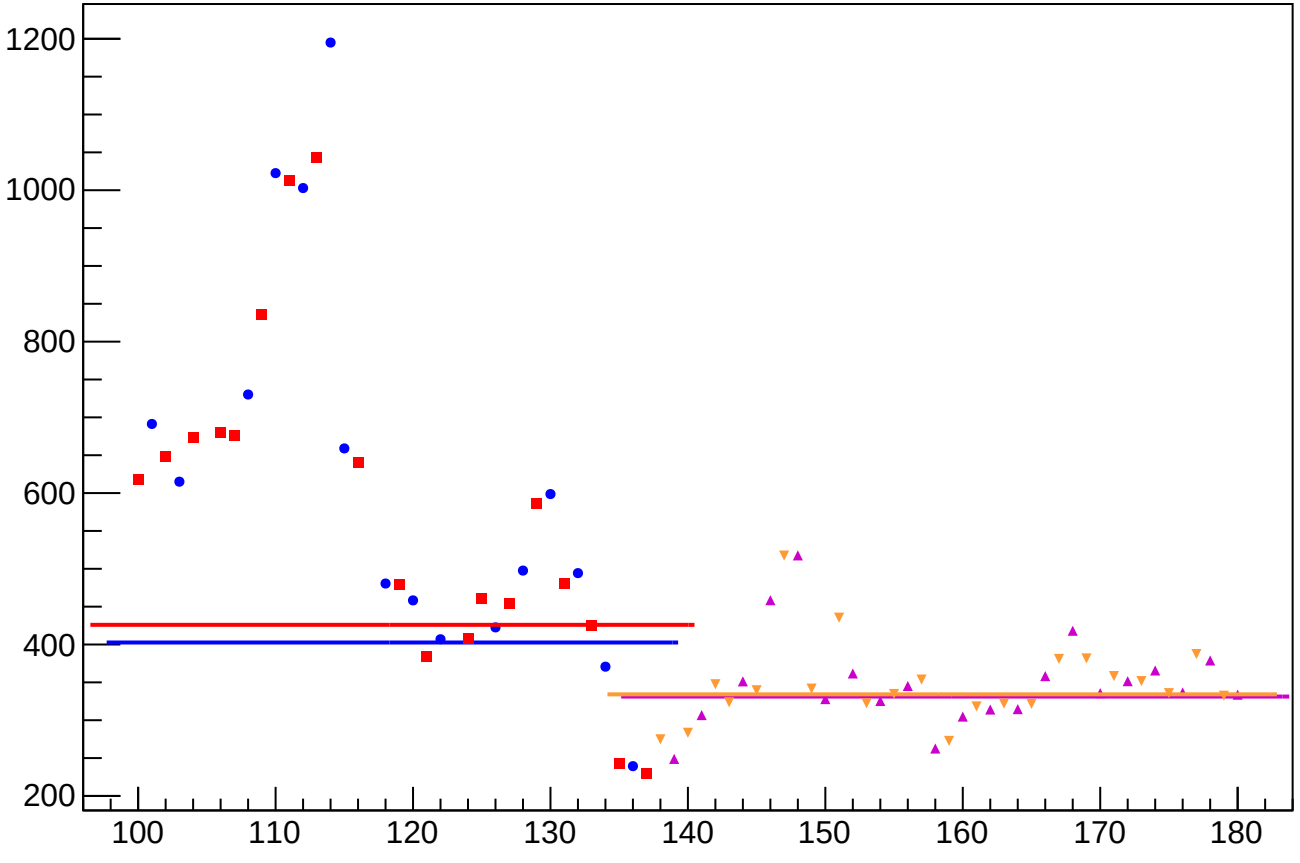
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -38.027+/-72.597 χ^2/NDF:45.0/36

Out: -20.194+/-73.091 χ^2/NDF:38.6/40

All: -29.171+/-51.508 χ^2/NDF: 83.6/77

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.178+/-0.057 χ^2/NDF:613421.0/21

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 331.256+/-0.057 χ^2/NDF:830057.9/20

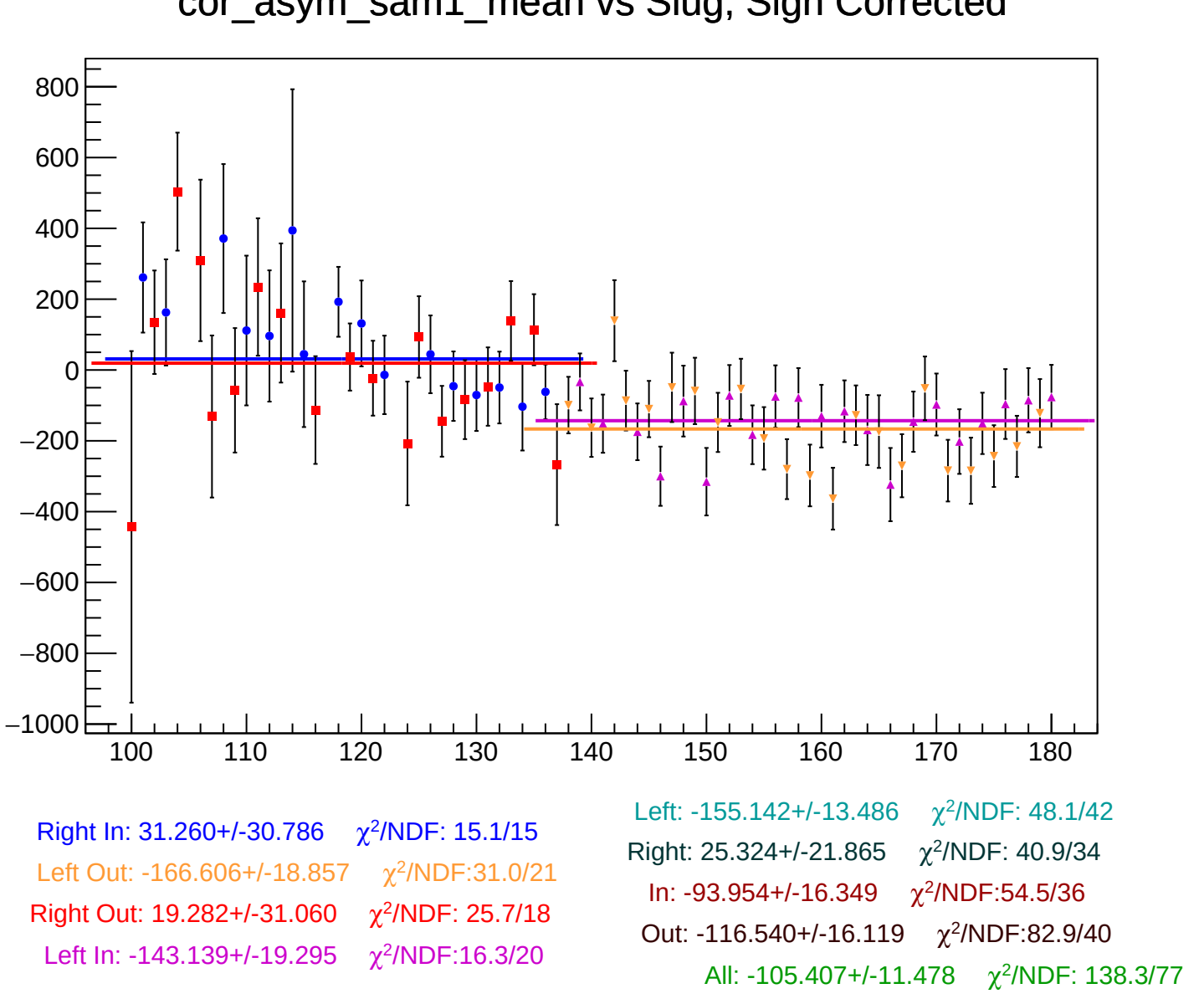
Left: 332.718+/-0.040 χ^2/NDF: 1444781.6/42

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

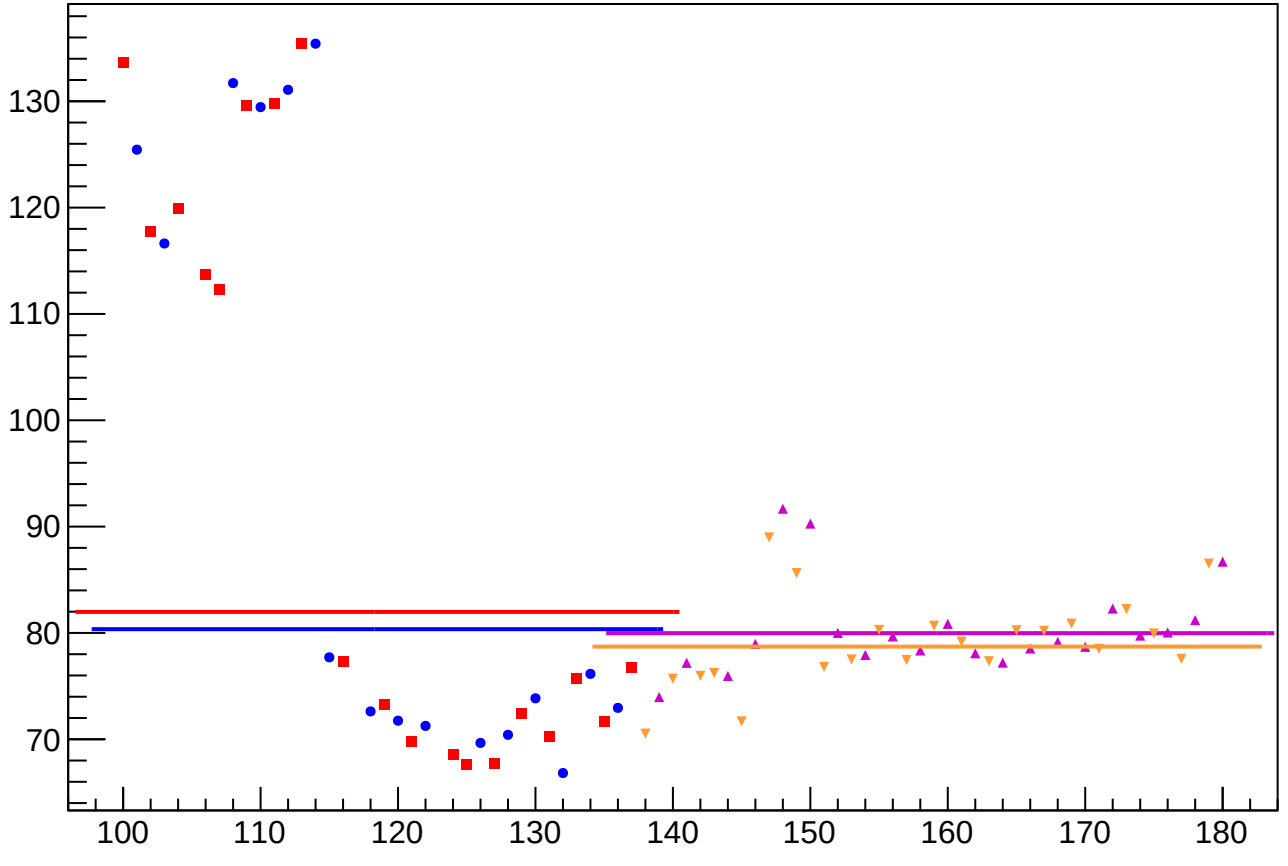
In: 345.288+/-0.051 χ^2/NDF:3495629.3/36

Out: 351.070+/-0.052 χ^2/NDF:3455923.6/40

All: 348.159+/-0.036 χ^2/NDF: 6957853.2/77


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
180
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -166.606+/-18.857 χ²/NDF:31.0/21
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -143.139+/-19.295 χ²/NDF:16.3/20
Left: -155.142+/-13.486 χ²/NDF: 48.1/42
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -93.954+/-16.349 χ²/NDF:54.5/36
Out: -116.540+/-16.119 χ²/NDF:82.9/40
All: -105.407+/-11.478 χ²/NDF: 138.3/77

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

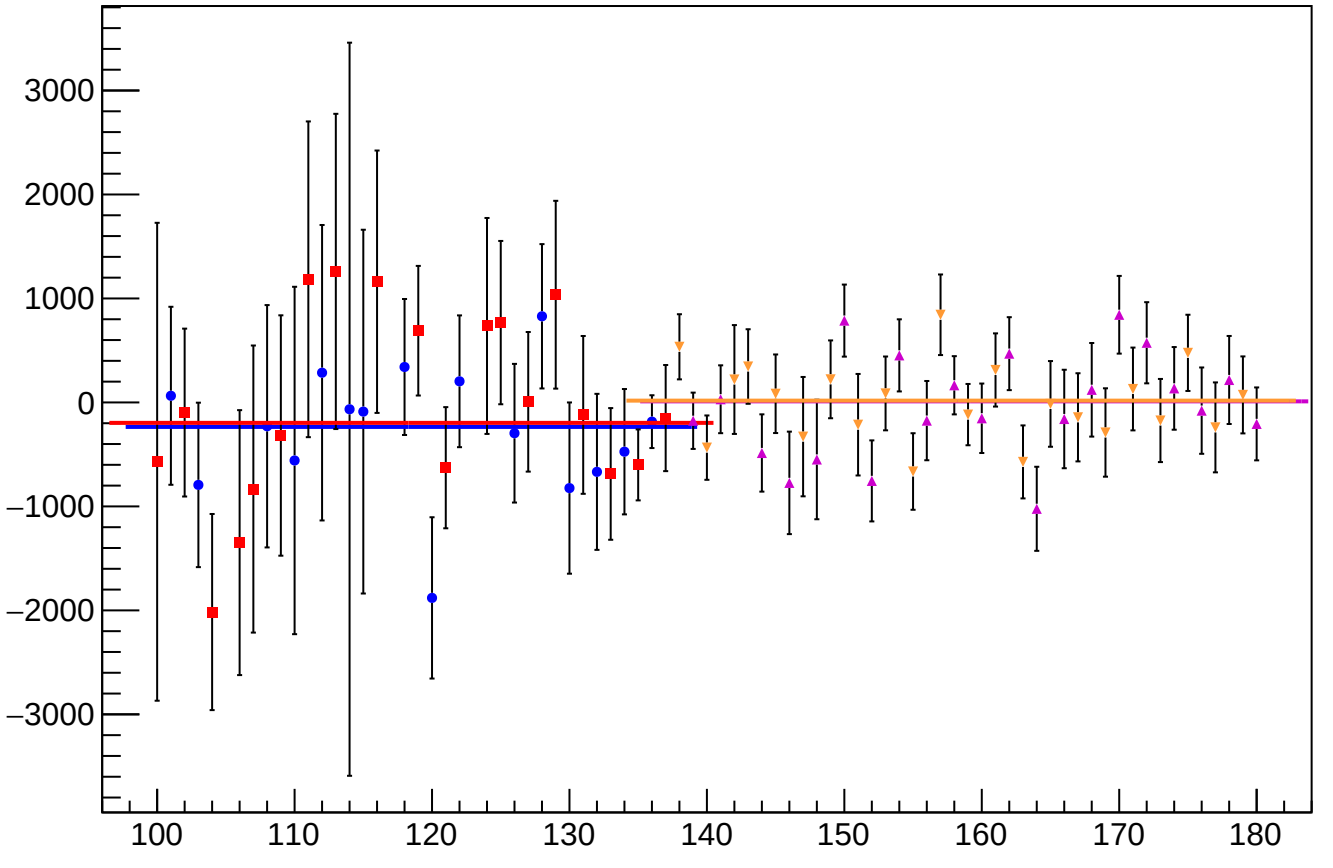
Left: 79.333+/-0.010 χ^2/NDF: 190289.7/42

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.086+/-0.012 χ^2/NDF:928052.2/36

Out: 79.594+/-0.011 χ^2/NDF:1044684.1/40

All: 79.836+/-0.008 χ^2/NDF: 1973653.1/77



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 10.271+/-80.990 χ^2/NDF:33.3/20

Left: 13.804+/-57.241 χ^2/NDF: 54.7/42

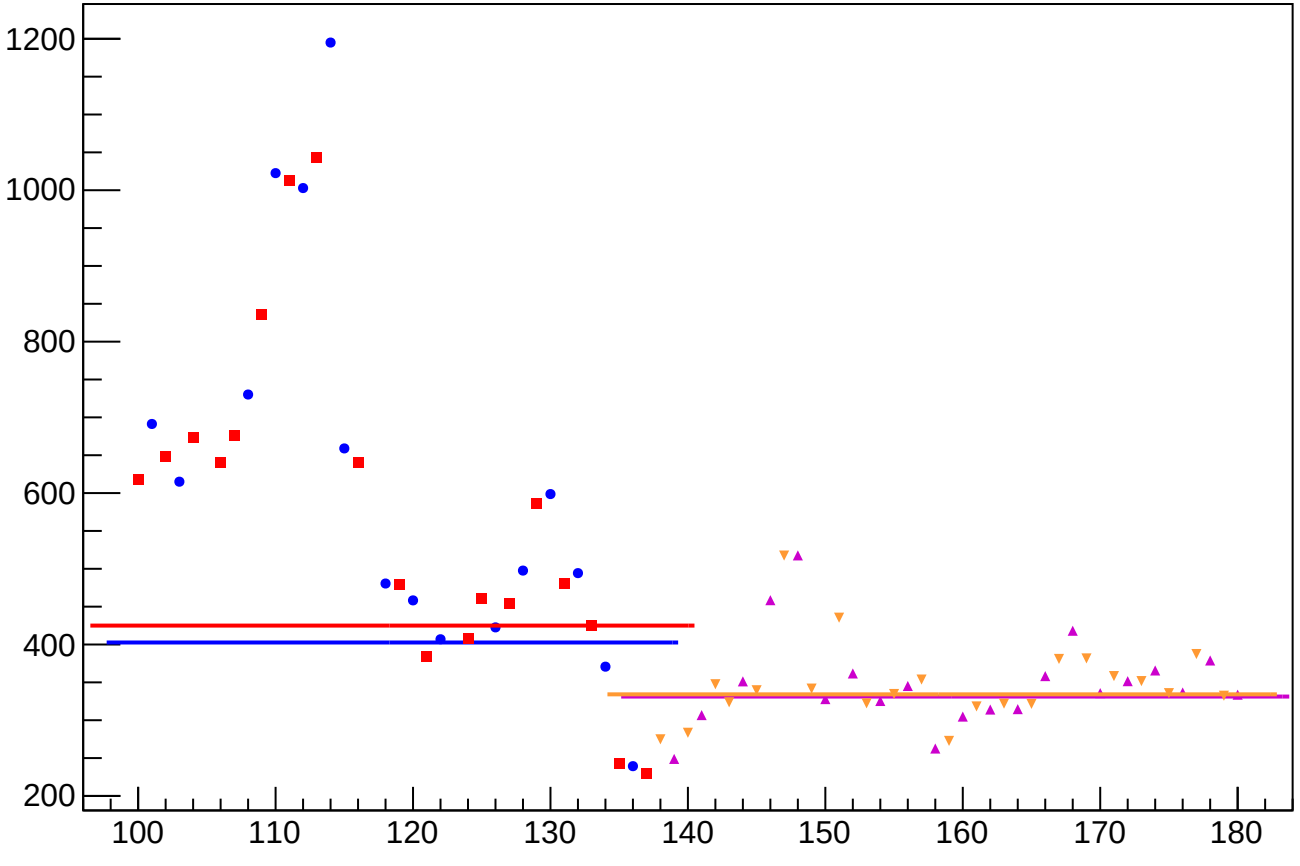
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.030+/-72.597 χ^2/NDF:45.0/36

Out: -21.992+/-73.099 χ^2/NDF:39.3/40

All: -30.066+/-51.510 χ^2/NDF: 84.3/77

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

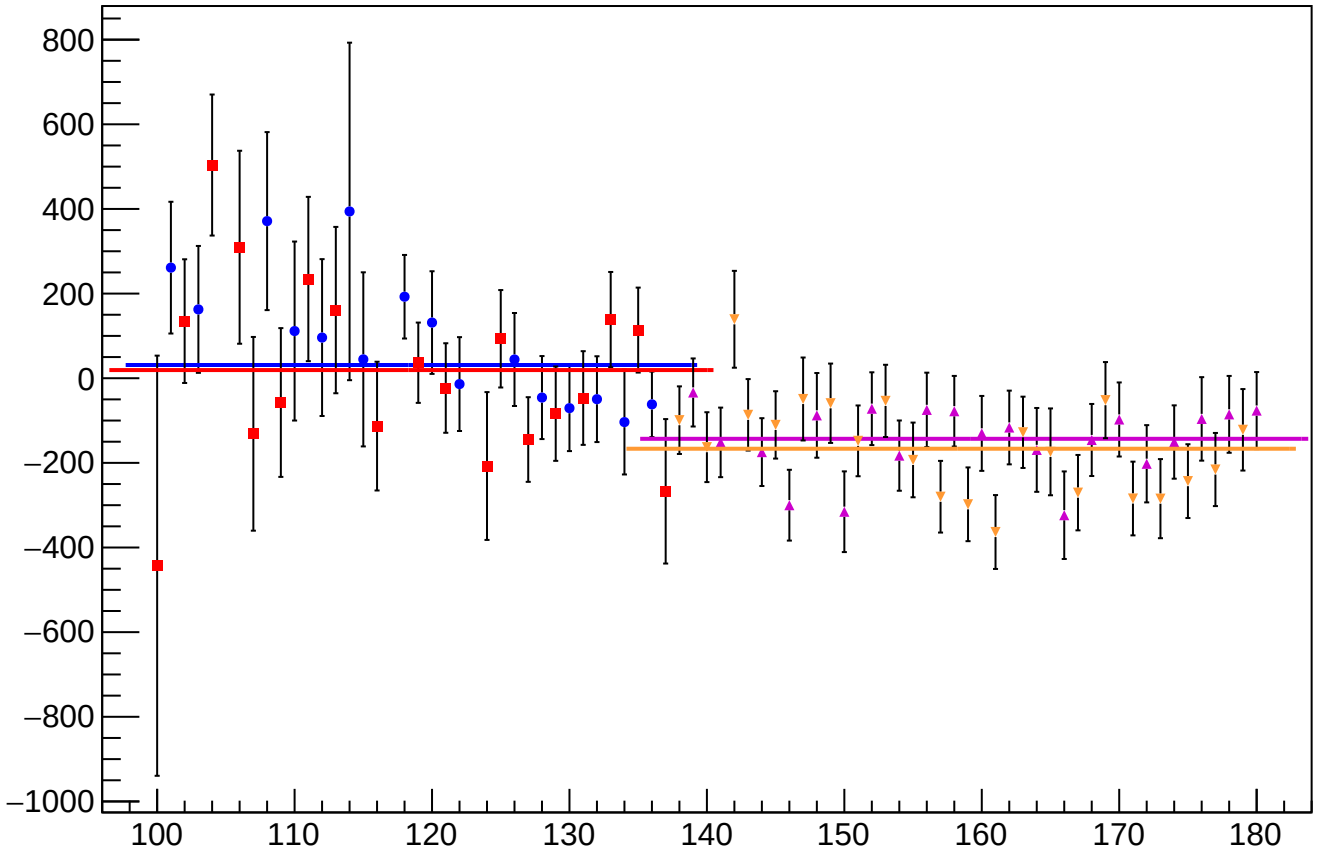
Left: 332.718+/-0.040 χ^2/NDF: 1444790.4/42

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.288+/-0.051 χ^2/NDF:3495626.4/36

Out: 350.871+/-0.052 χ^2/NDF:3417551.1/40

All: 348.060+/-0.036 χ^2/NDF: 6919052.4/77



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -143.139+/-19.295 χ^2/NDF:16.3/20

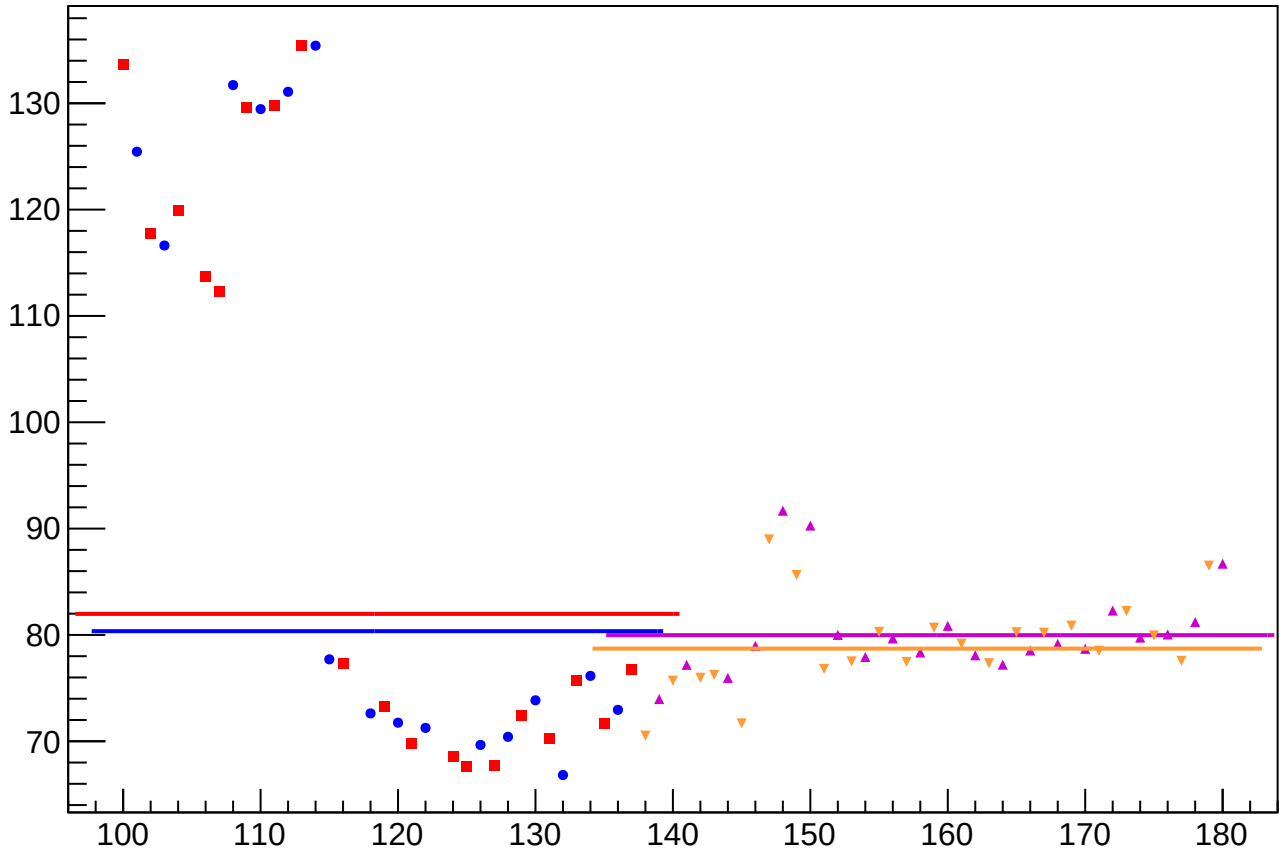
Left: -155.142+/-13.486 χ^2/NDF: 48.1/42

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -93.954+/-16.349 χ^2/NDF:54.5/36

Out: -116.540+/-16.119 χ^2/NDF:82.9/40

All: -105.407+/-11.478 χ^2/NDF: 138.3/77



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.980+/-0.014 χ^2/NDF:87800.8/20

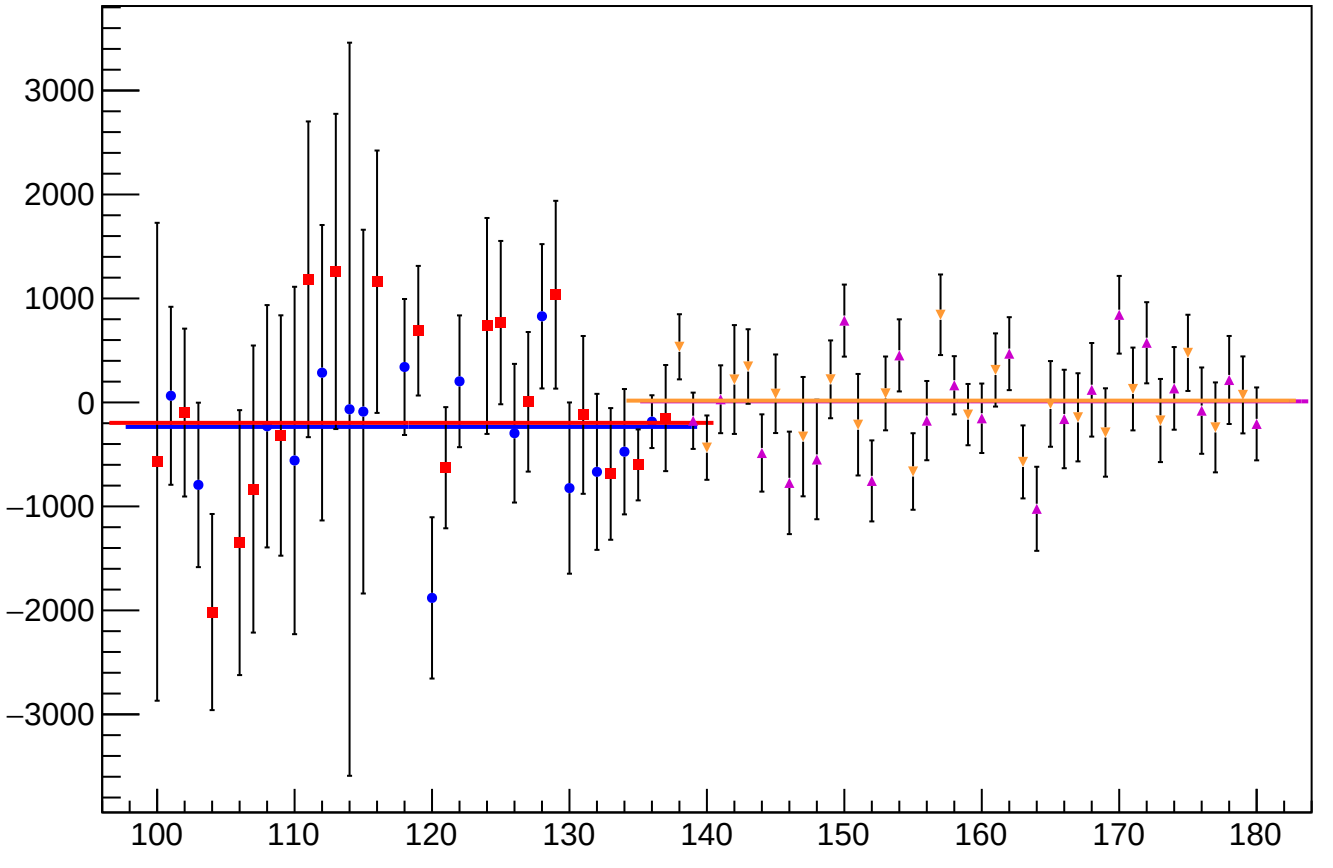
Left: 79.333+/-0.010 χ^2/NDF: 190289.7/42

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.086+/-0.012 χ^2/NDF:928052.2/36

Out: 79.594+/-0.011 χ^2/NDF:1044684.1/40

All: 79.836+/-0.008 χ^2/NDF: 1973653.1/77



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 10.271+/-80.990 χ^2/NDF:33.3/20

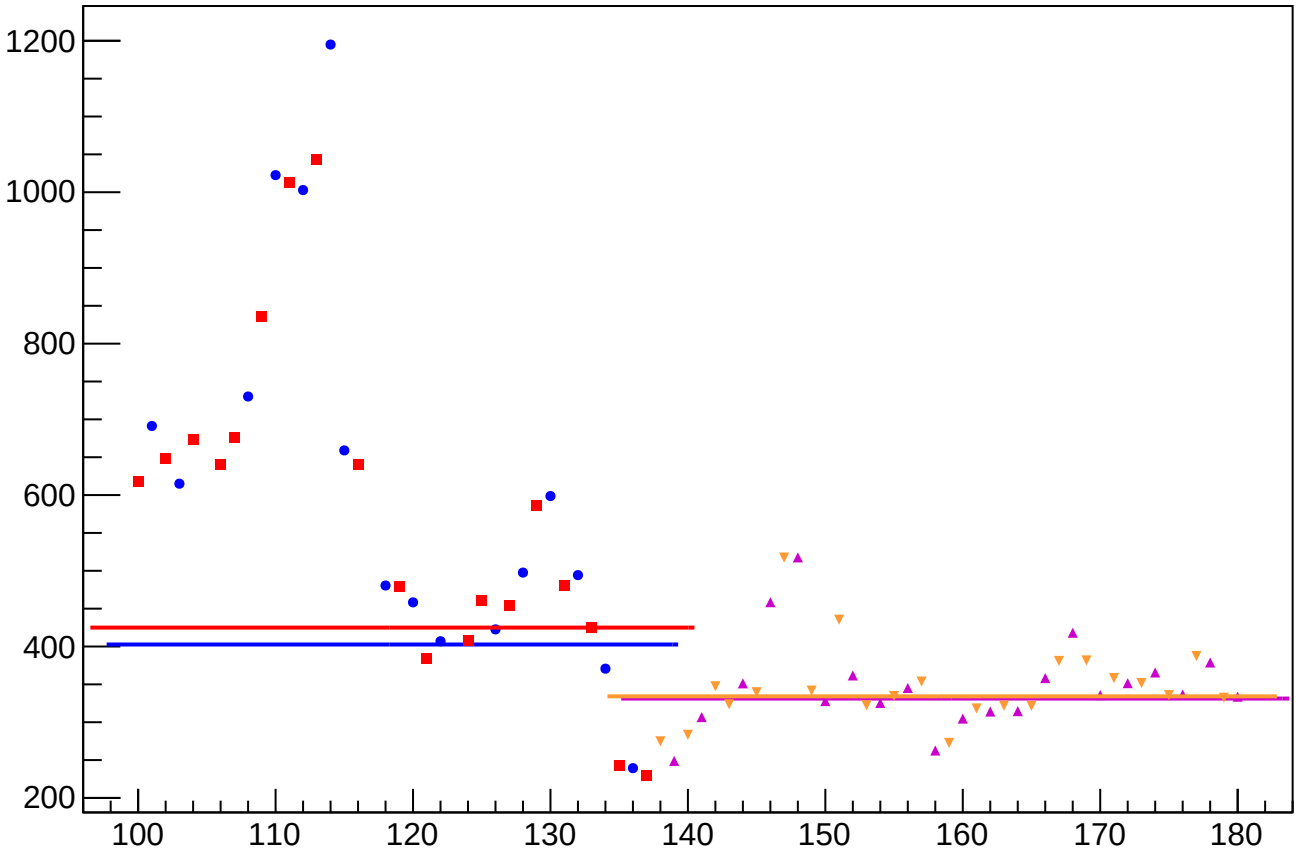
Left: 13.804+/-57.241 χ^2/NDF: 54.7/42

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.030+/-72.597 χ^2/NDF:45.0/36

Out: -21.992+/-73.099 χ^2/NDF:39.3/40

All: -30.066+/-51.510 χ^2/NDF: 84.3/77



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.256+/-0.057 χ^2/NDF:830058.3/20

Left: 332.718+/-0.040 χ^2/NDF: 1444790.4/42

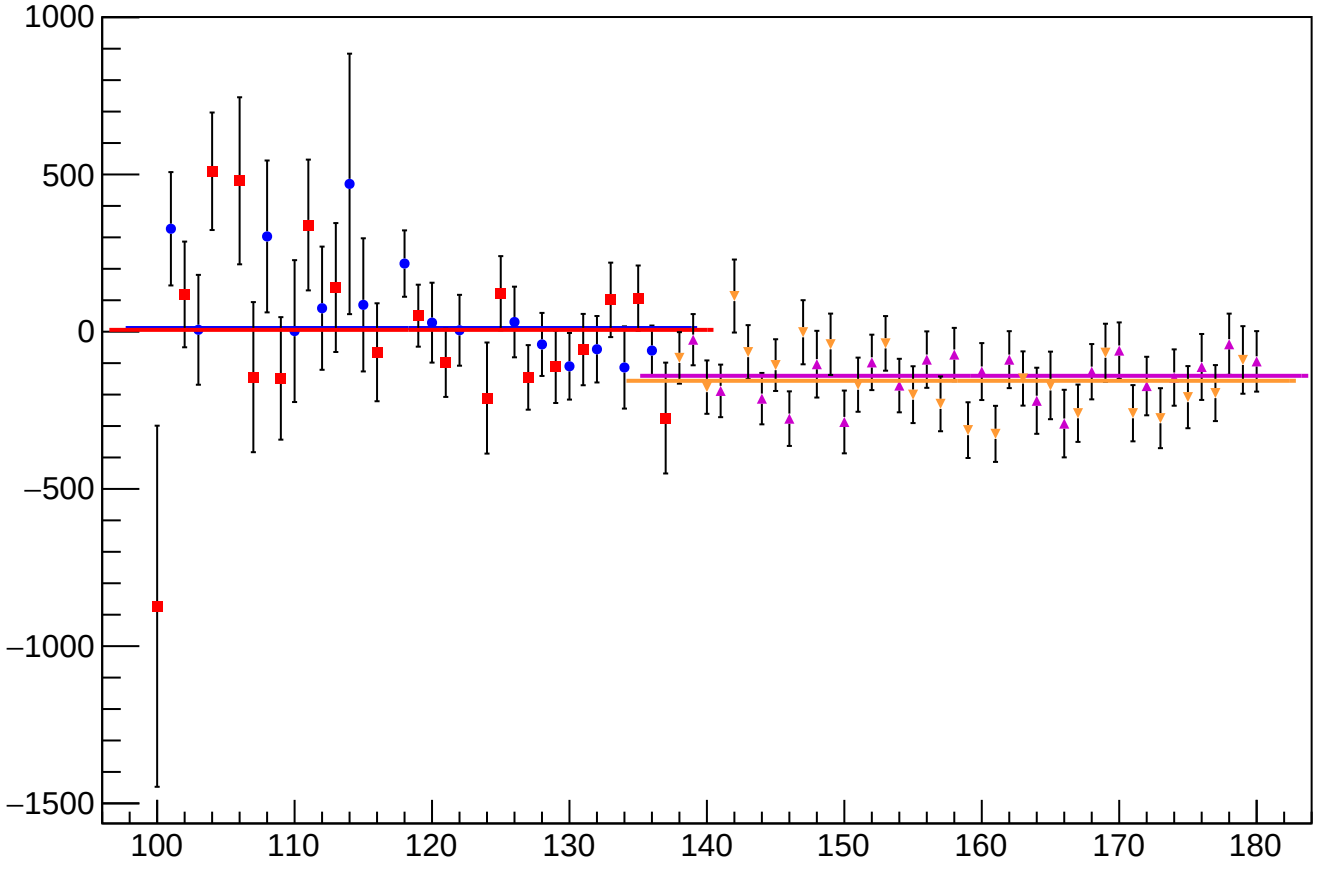
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.288+/-0.051 χ^2/NDF:3495626.4/36

Out: 350.871+/-0.052 χ^2/NDF:3417551.1/40

All: 348.060+/-0.036 χ^2/NDF: 6919052.4/77

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -140.281+/-19.939 χ^2/NDF:14.4/20

Left: -148.379+/-13.940 χ^2/NDF: 41.7/42

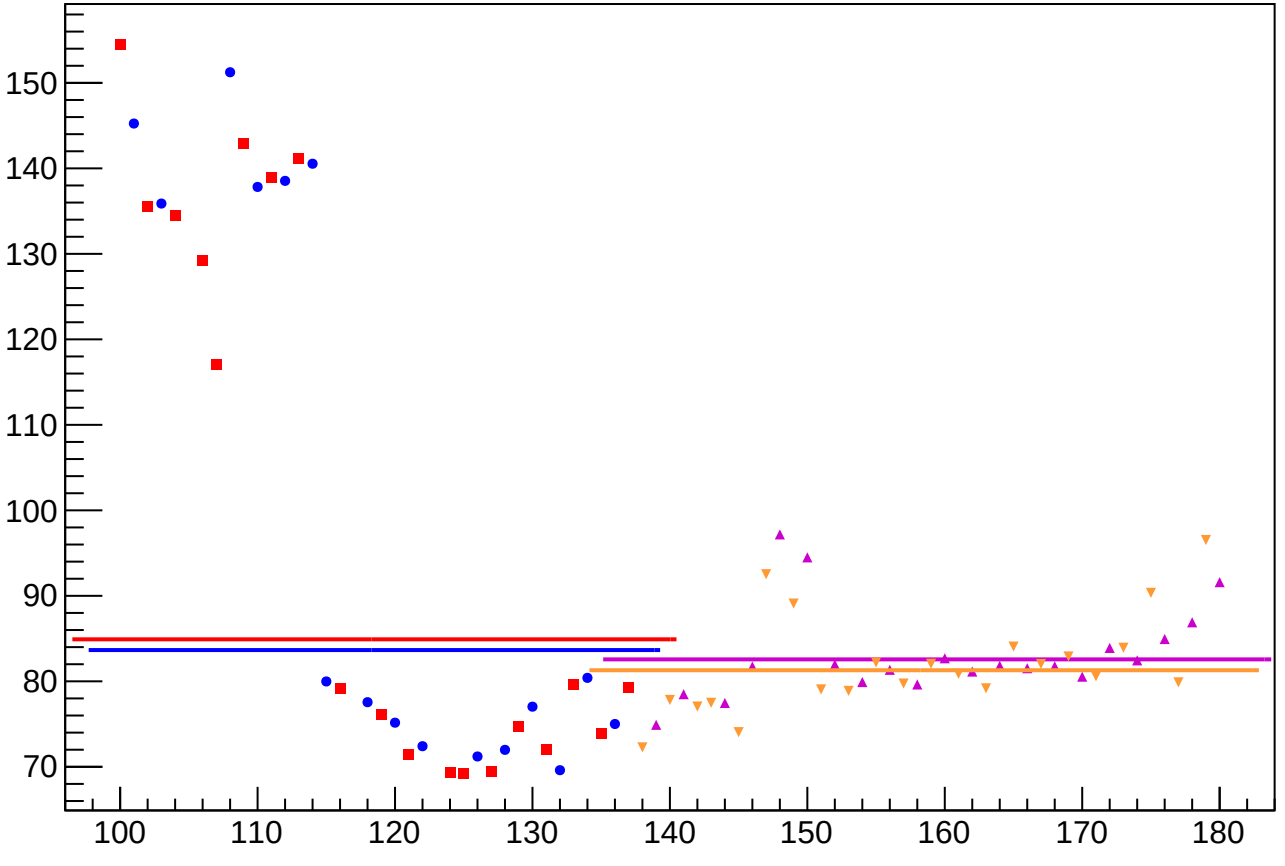
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.354+/-16.966 χ^2/NDF:44.0/36

Out: -113.157+/-16.711 χ^2/NDF:74.1/40

All: -105.867+/-11.906 χ^2/NDF: 118.4/77

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 81.297+/-0.014 χ^2/NDF:153172.7/21

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.567+/-0.014 χ^2/NDF:126760.5/20

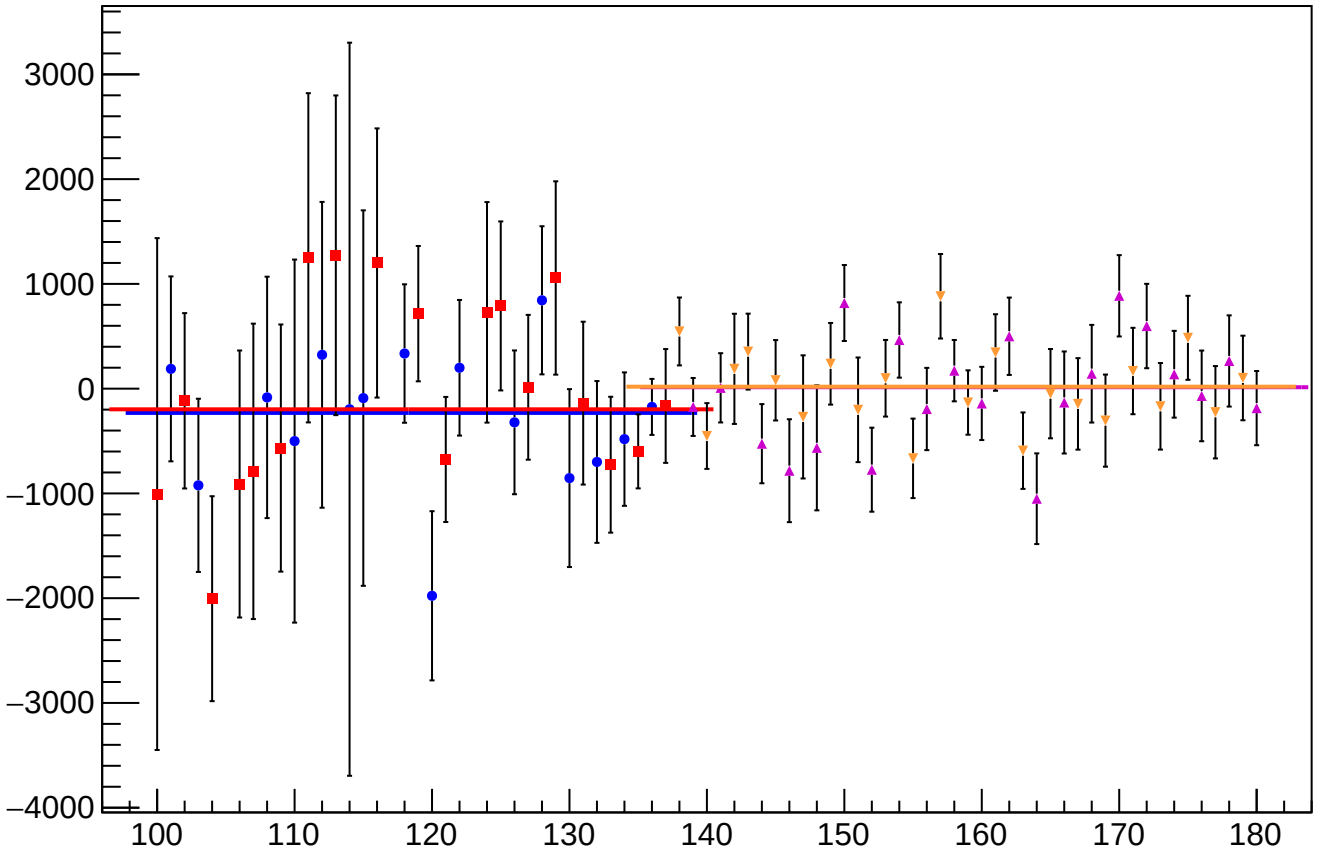
Left: 81.918+/-0.010 χ^2/NDF: 284084.3/42

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.868+/-0.012 χ^2/NDF:1163204.1/36

Out: 82.256+/-0.012 χ^2/NDF:1293098.0/40

All: 82.557+/-0.008 χ^2/NDF: 2457622.1/77



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 18.725+/-83.767 χ^2/NDF:21.1/21

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.605+/-83.690 χ^2/NDF:33.1/20

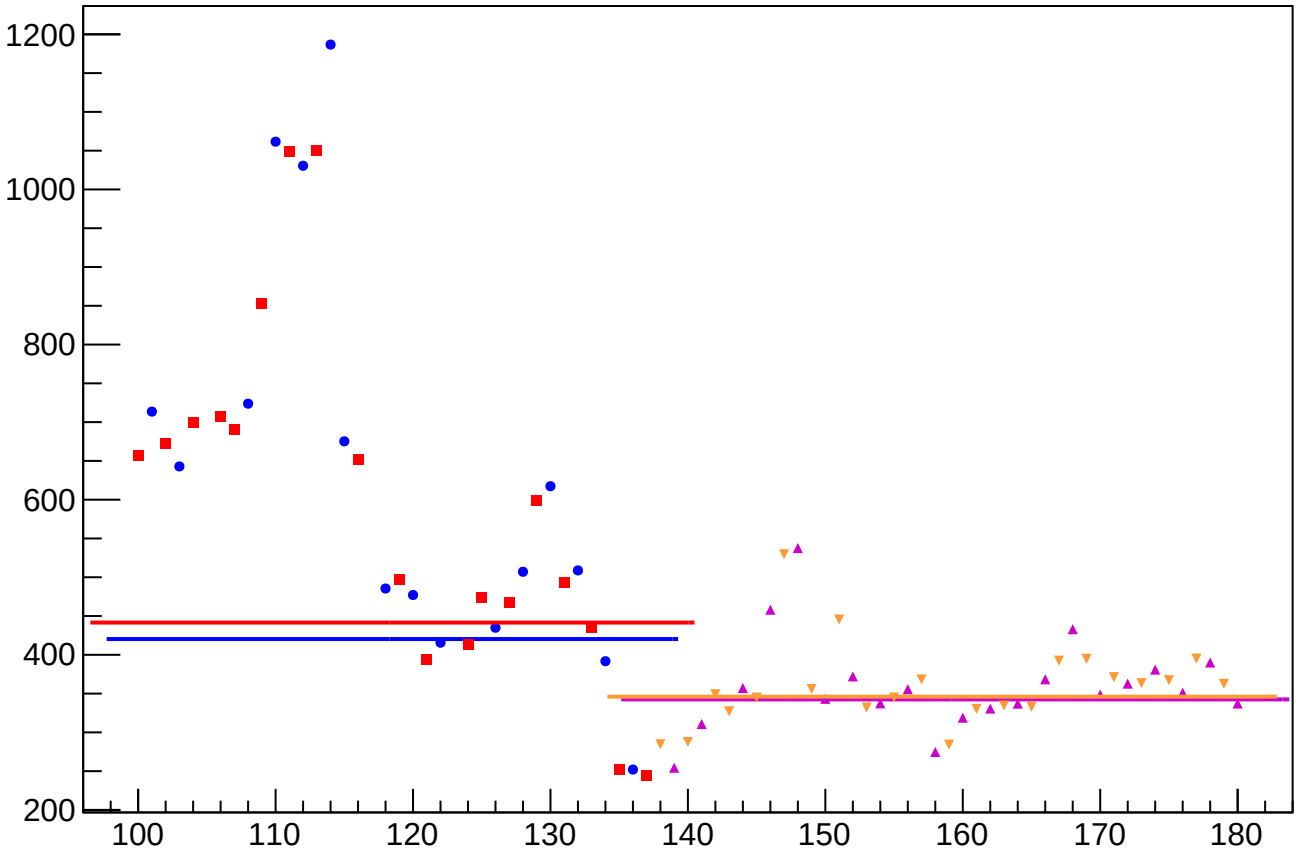
Left: 16.163+/-59.205 χ^2/NDF: 54.2/42

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -34.131+/-75.096 χ^2/NDF:45.1/36

Out: -21.122+/-75.644 χ^2/NDF:38.2/40

All: -27.674+/-53.294 χ^2/NDF: 83.4/77



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 346.049+/-0.059 χ^2/NDF:611732.6/21

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 342.517+/-0.059 χ^2/NDF:810625.5/20

Left: 344.281+/-0.042 χ^2/NDF: 1424138.0/42

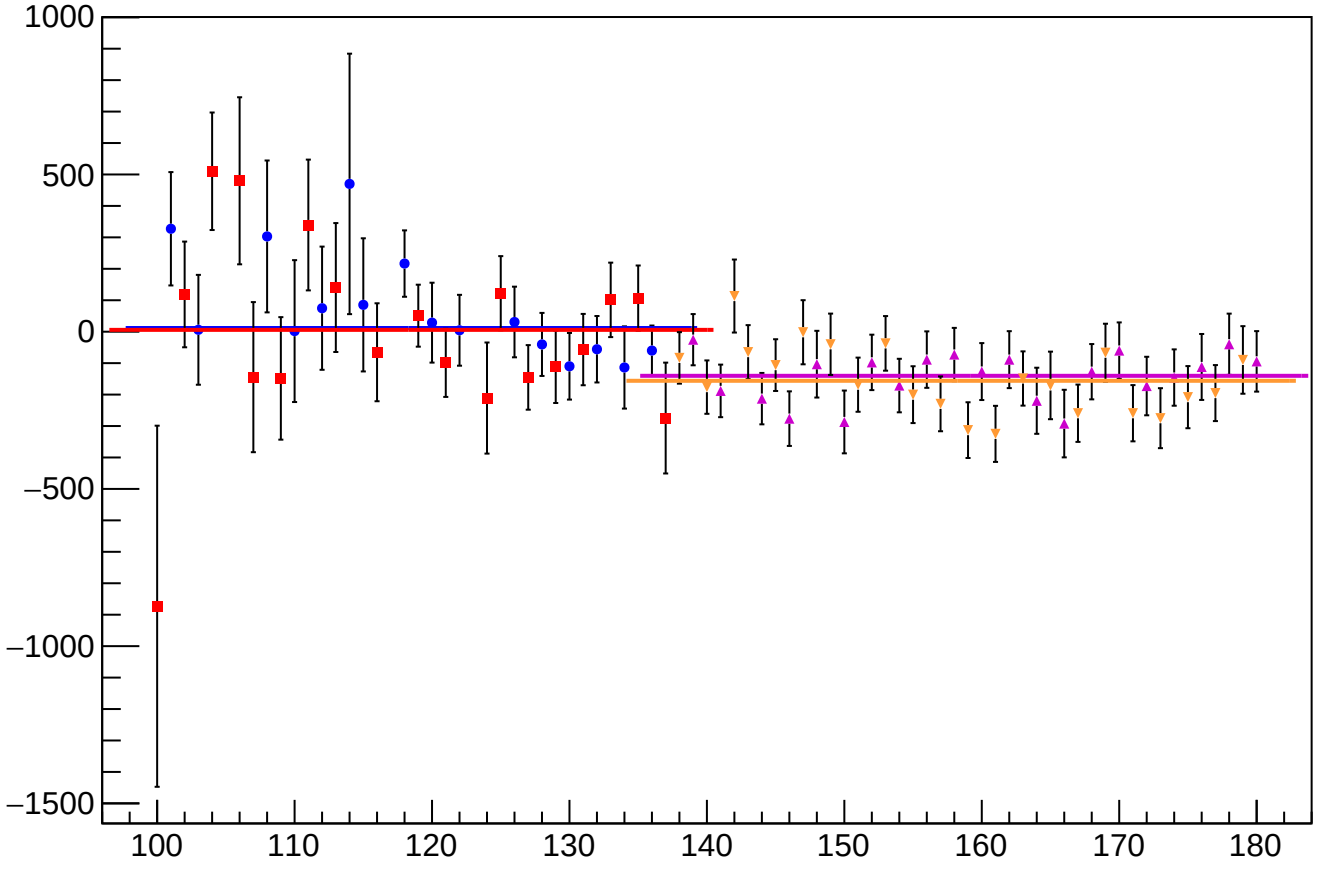
Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.677+/-0.053 χ^2/NDF:3402090.1/36

Out: 363.681+/-0.053 χ^2/NDF:3399506.8/40

All: 360.657+/-0.038 χ^2/NDF: 6807943.0/77

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -140.282+/-19.939 χ^2/NDF:14.4/20

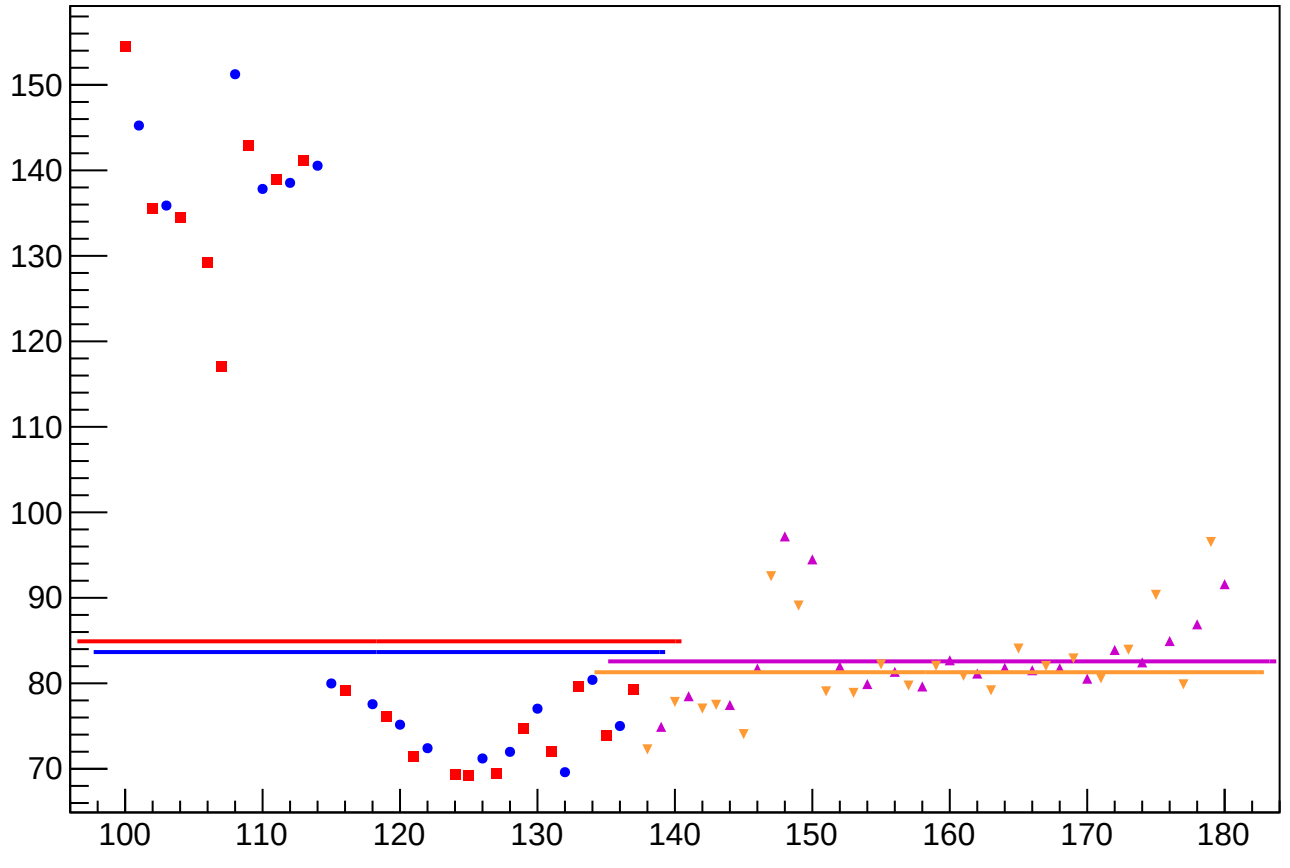
Left: -148.379+/-13.940 χ^2/NDF: 41.7/42

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.354+/-16.966 χ^2/NDF:44.0/36

Out: -113.157+/-16.711 χ^2/NDF:74.1/40

All: -105.867+/-11.906 χ^2/NDF: 118.4/77



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 81.297+/-0.014 χ^2/NDF:153173.0/21

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.567+/-0.014 χ^2/NDF:126759.0/20

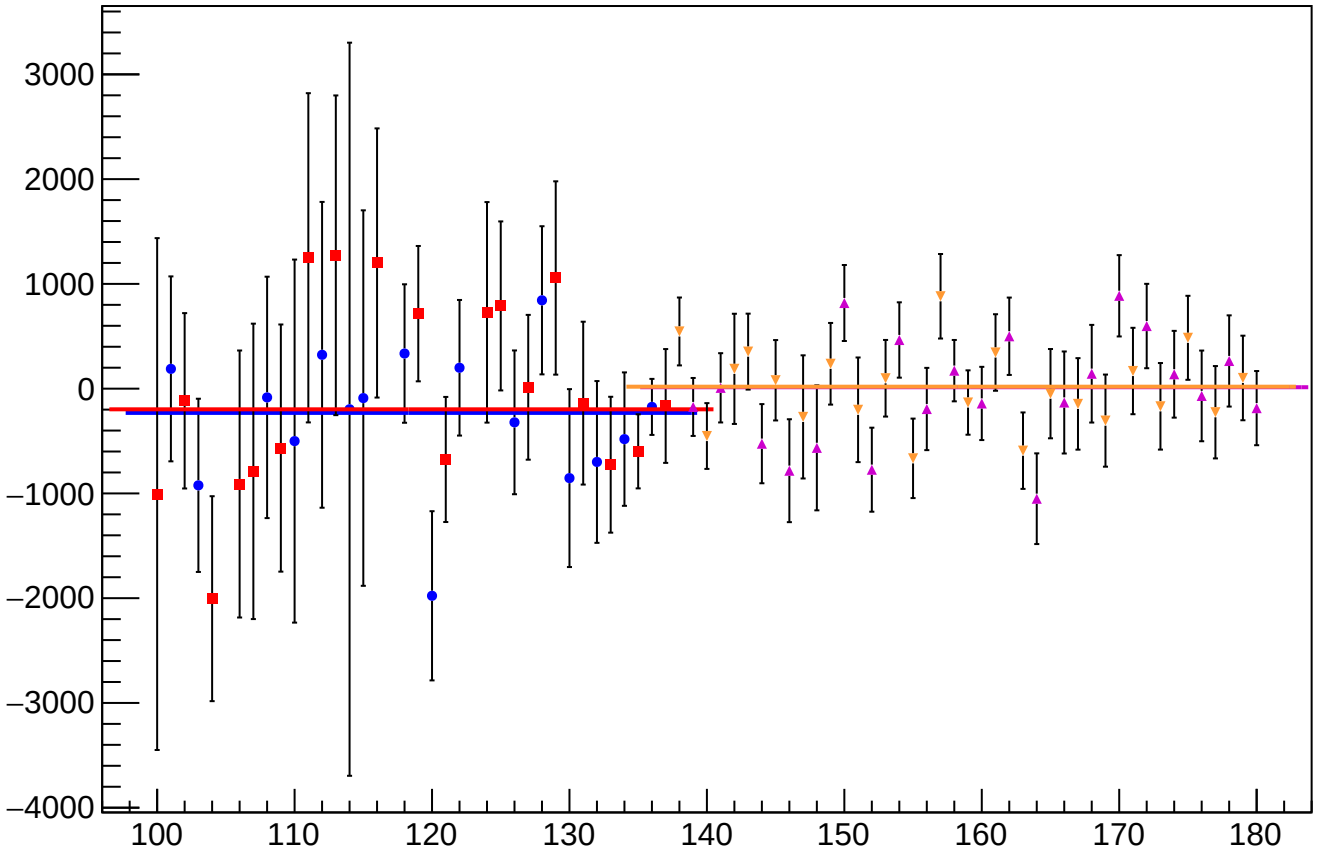
Left: 81.918+/-0.010 χ^2/NDF: 284083.1/42

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.868+/-0.012 χ^2/NDF:1163202.0/36

Out: 82.256+/-0.012 χ^2/NDF:1293096.7/40

All: 82.557+/-0.008 χ^2/NDF: 2457618.7/77



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 18.726+/-83.767 χ^2/NDF:21.1/21

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.605+/-83.690 χ^2/NDF:33.1/20

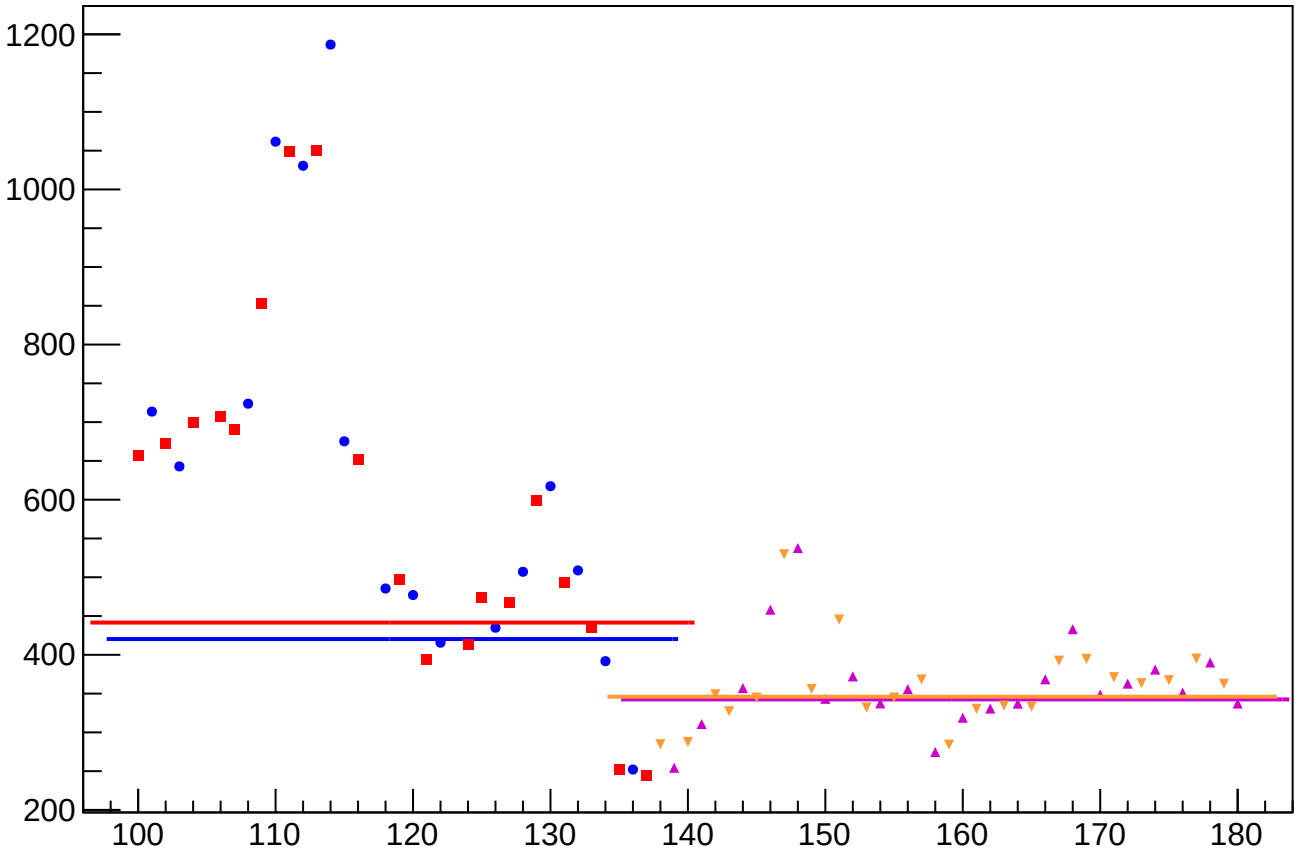
Left: 16.163+/-59.205 χ^2/NDF: 54.2/42

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -34.131+/-75.096 χ^2/NDF:45.1/36

Out: -21.122+/-75.644 χ^2/NDF:38.2/40

All: -27.674+/-53.294 χ^2/NDF: 83.4/77



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 346.049+/-0.059 χ^2/NDF:611734.1/21

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 342.516+/-0.059 χ^2/NDF:810628.4/20

Left: 344.281+/-0.042 χ^2/NDF: 1424142.4/42

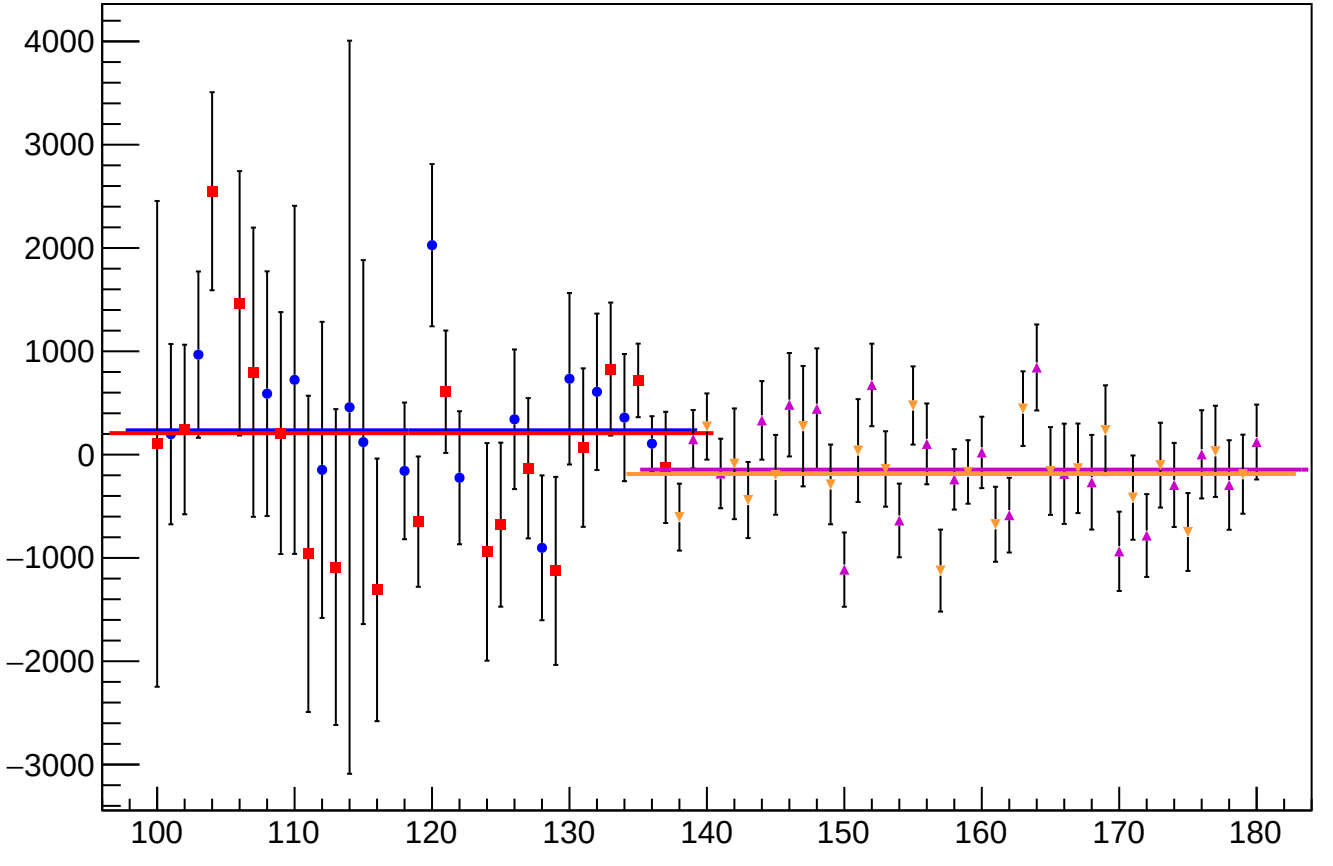
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.677+/-0.053 χ^2/NDF:3402093.7/36

Out: 363.681+/-0.053 χ^2/NDF:3399508.5/40

All: 360.657+/-0.038 χ^2/NDF: 6807948.3/77

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.815+/-83.256 χ^2/NDF:22.4/21

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -145.256+/-83.463 χ^2/NDF:34.3/20

Left: -166.588+/-58.944 χ^2/NDF: 56.8/42

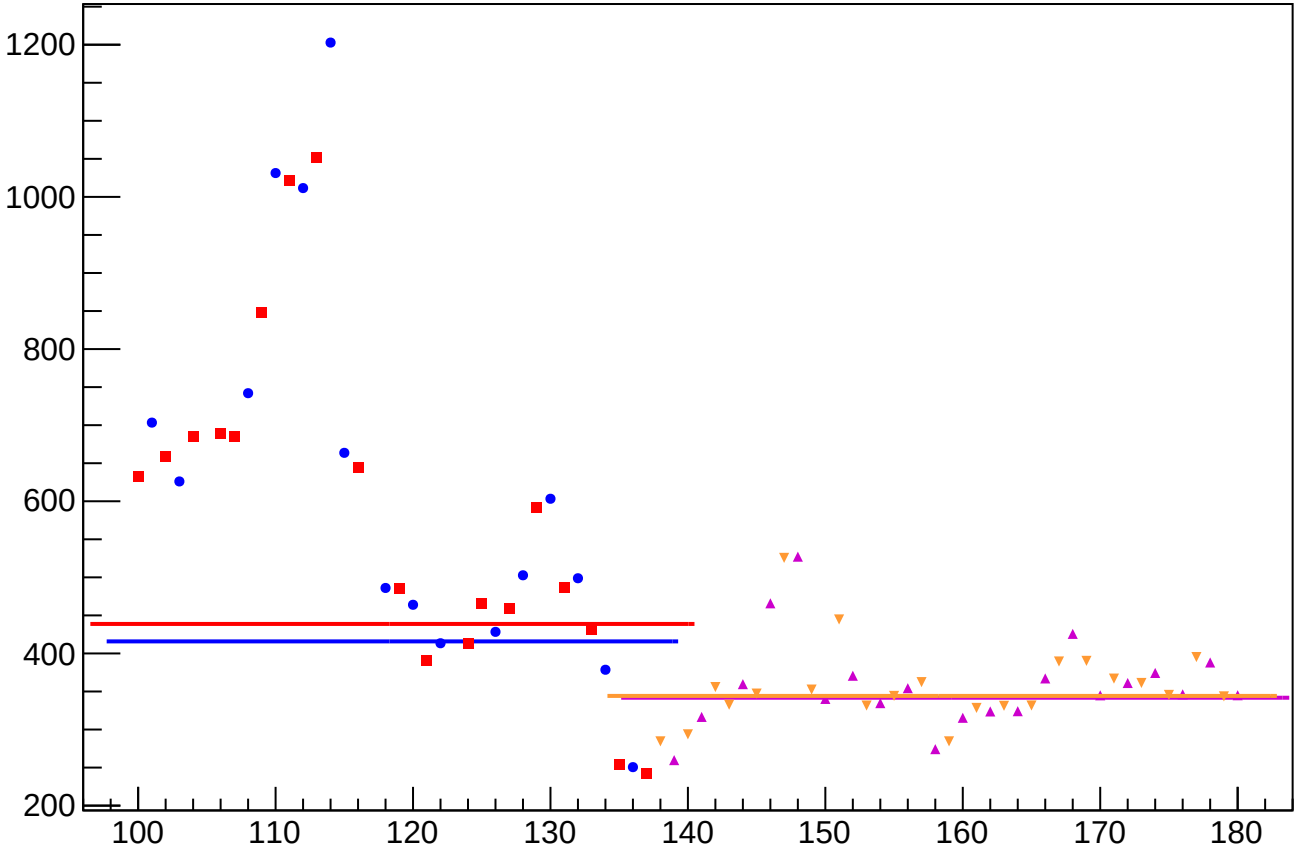
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -70.114+/-74.765 χ^2/NDF:49.1/36

Out: -114.580+/-75.159 χ^2/NDF:47.0/40

All: -92.230+/-53.005 χ^2/NDF: 96.2/77

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.190+/-0.059 χ^2/NDF:567795.7/21

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 341.796+/-0.059 χ^2/NDF:761782.1/20

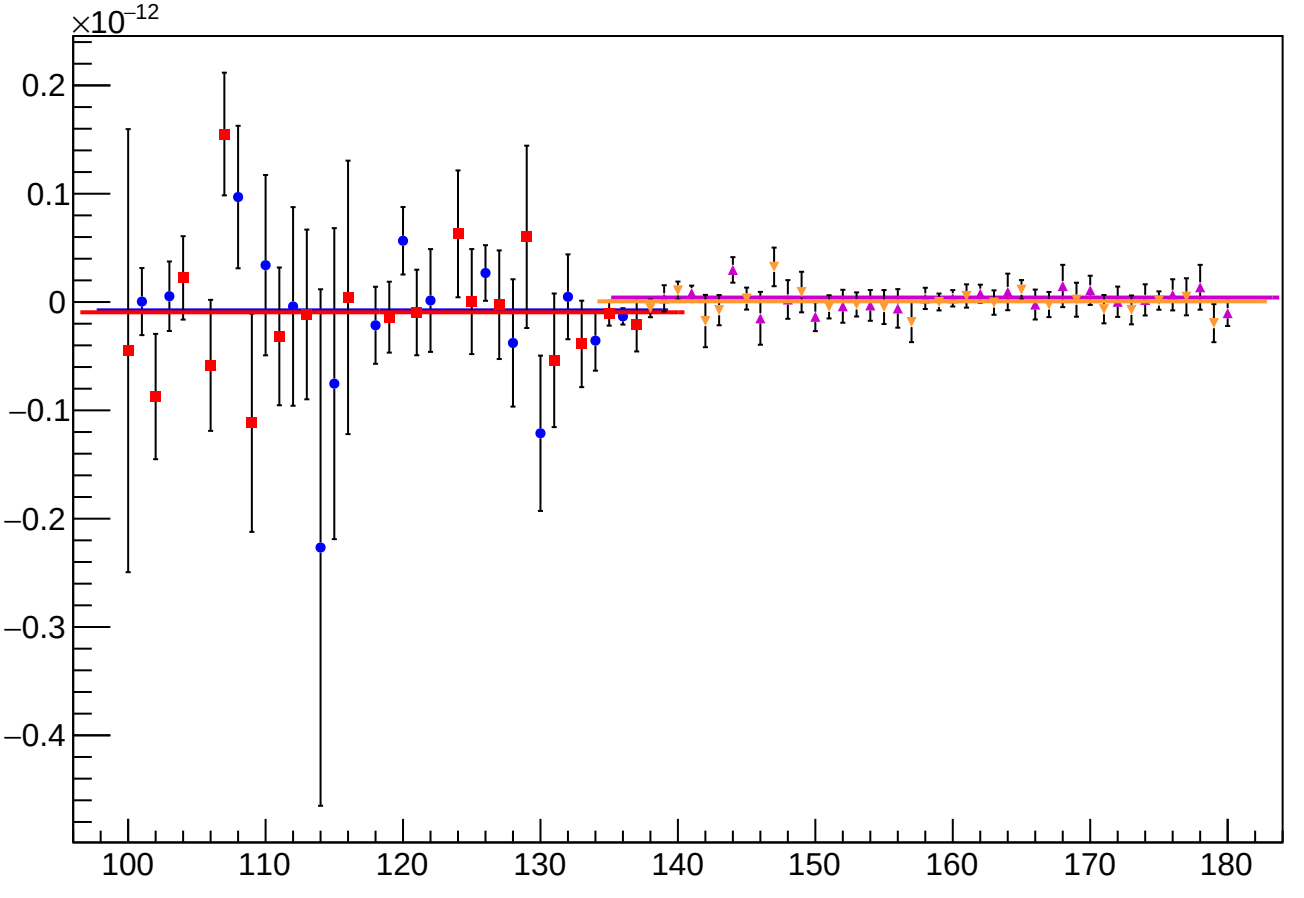
Left: 342.996+/-0.042 χ^2/NDF: 1330403.0/42

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.425+/-0.053 χ^2/NDF:3296734.7/36

Out: 361.693+/-0.053 χ^2/NDF:3280233.4/40

All: 359.045+/-0.037 χ^2/NDF: 6581906.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/20

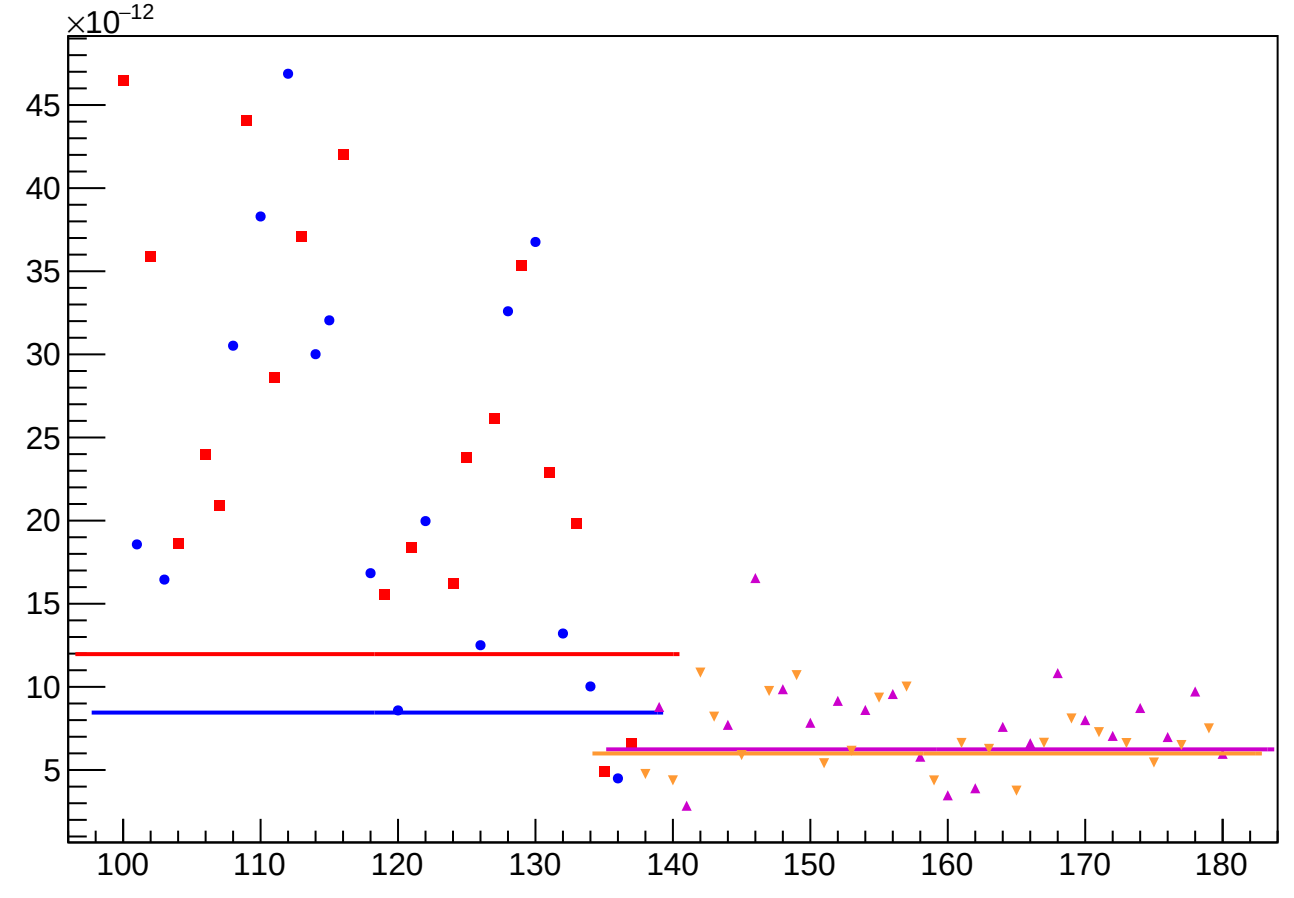
Left: 0.000+/-0.000 χ^2/NDF: 23.7/42

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:29.0/36

Out: -0.000+/-0.000 χ^2/NDF:29.4/40

All: 0.000+/-0.000 χ^2/NDF: 58.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:971788.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1968706.6/20

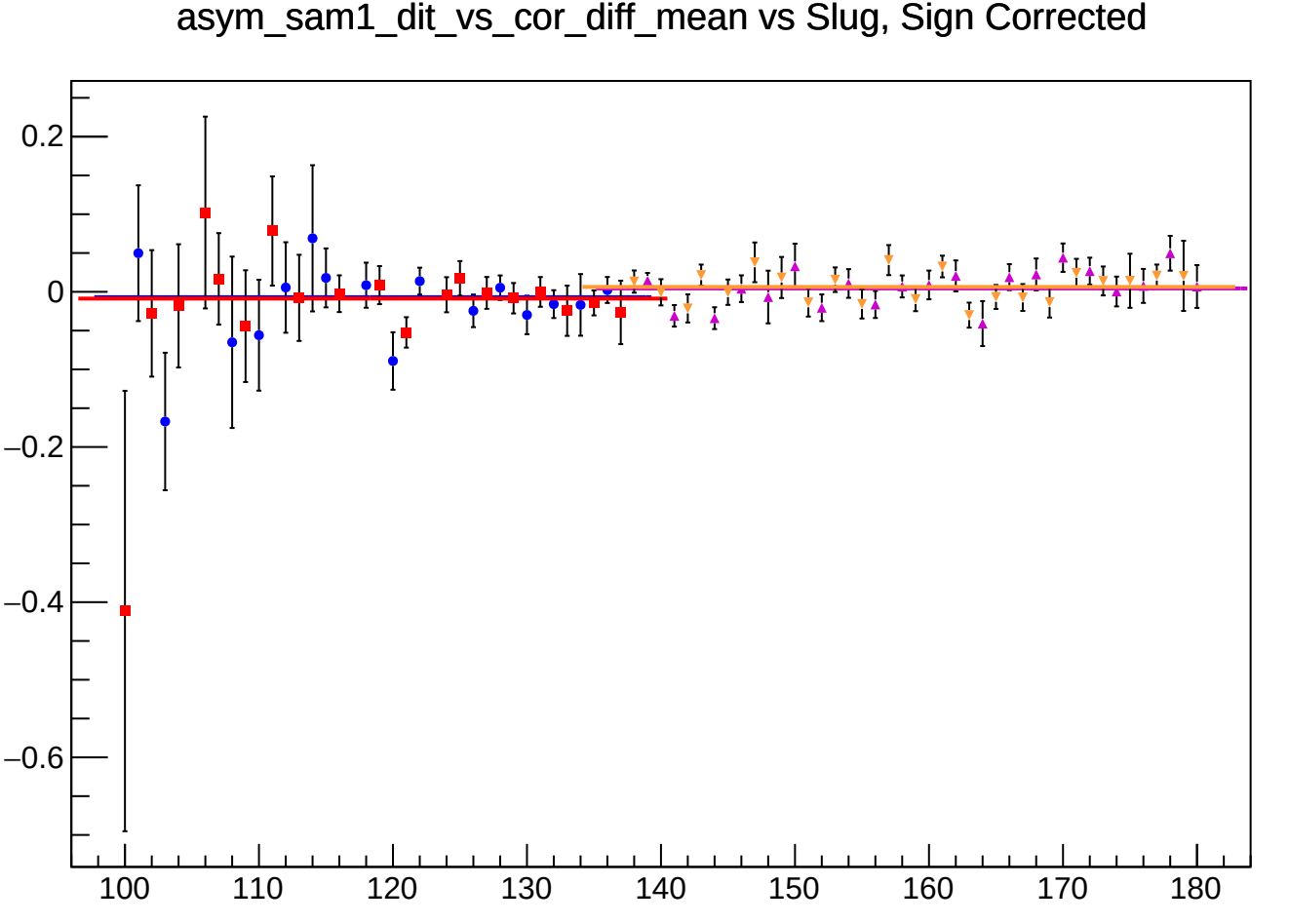
Left: 0.000+/-0.000 χ^2/NDF: 2949798.6/42

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4942008.6/36

Out: 0.000+/-0.000 χ^2/NDF:4717074.0/40

All: 0.000+/-0.000 χ^2/NDF: 9660720.6/77



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/20

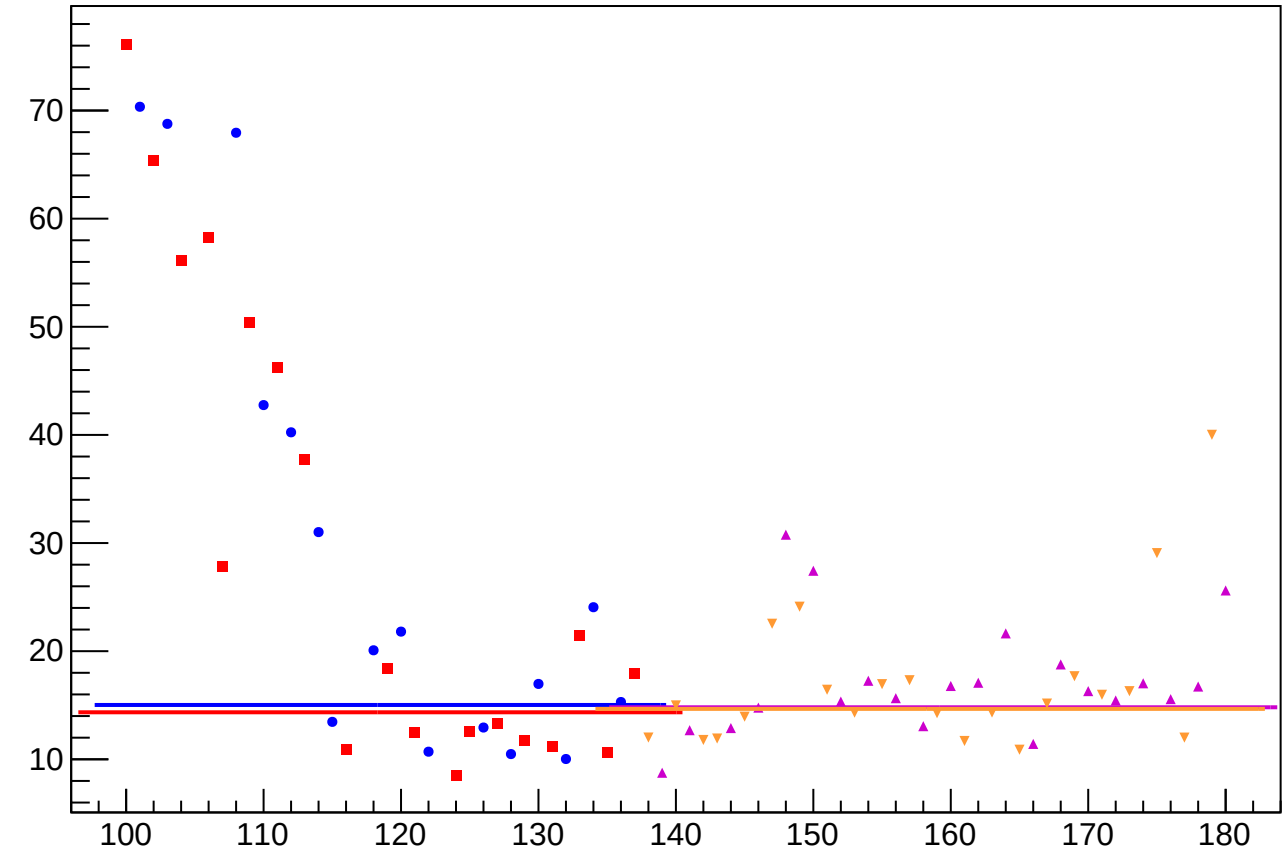
Left: 0.005+/-0.003 χ^2/NDF: 61.3/42

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.002+/-0.003 χ^2/NDF:51.9/36

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/77



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

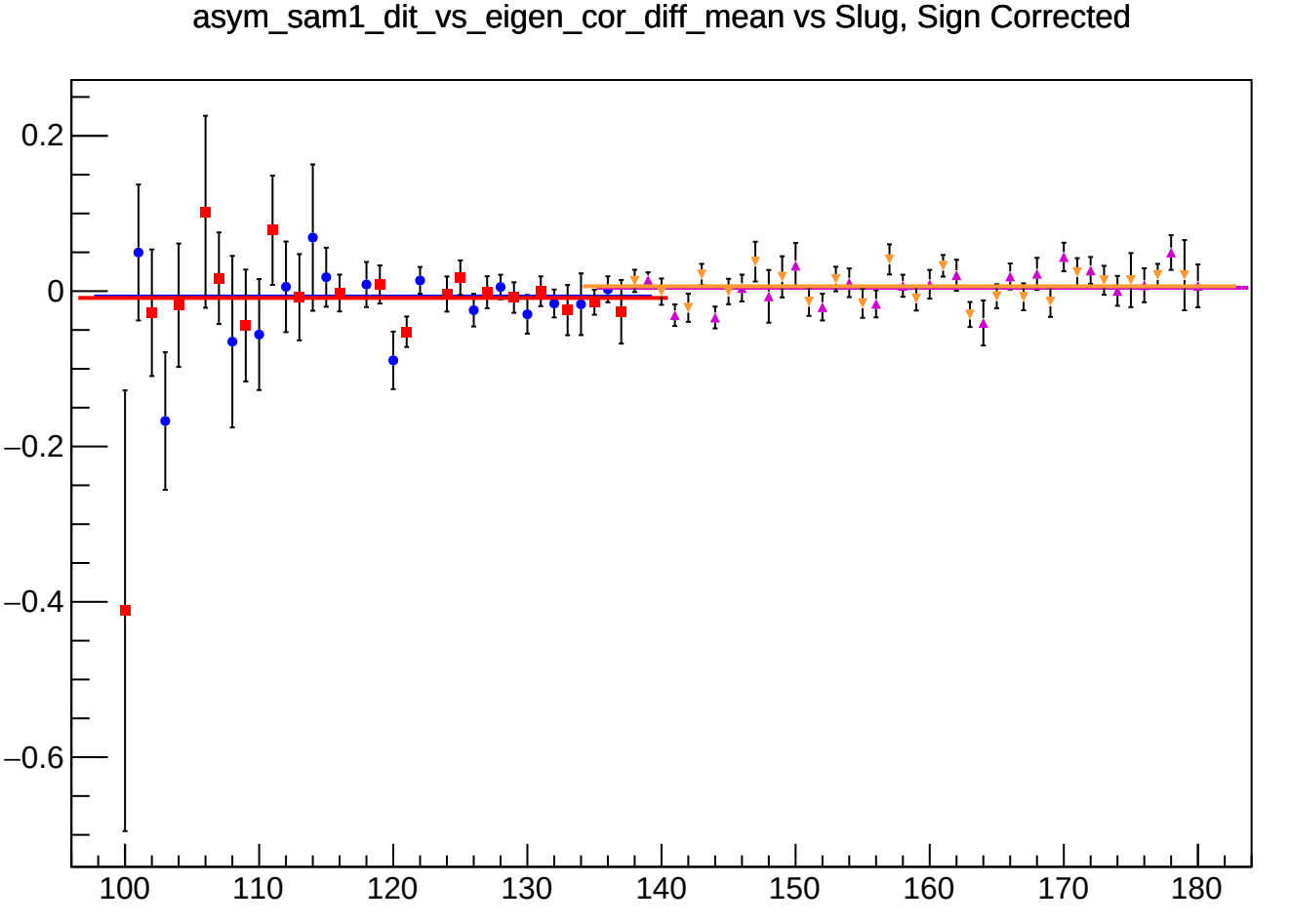
Left: 14.735+/-0.002 χ^2/NDF: 4449212.1/42

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.864+/-0.002 χ^2/NDF:5824052.9/36

Out: 14.583+/-0.002 χ^2/NDF:5696090.5/40

All: 14.719+/-0.002 χ^2/NDF: 11527450.7/77



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/20

Left: 0.005+/-0.003 χ^2/NDF: 61.3/42

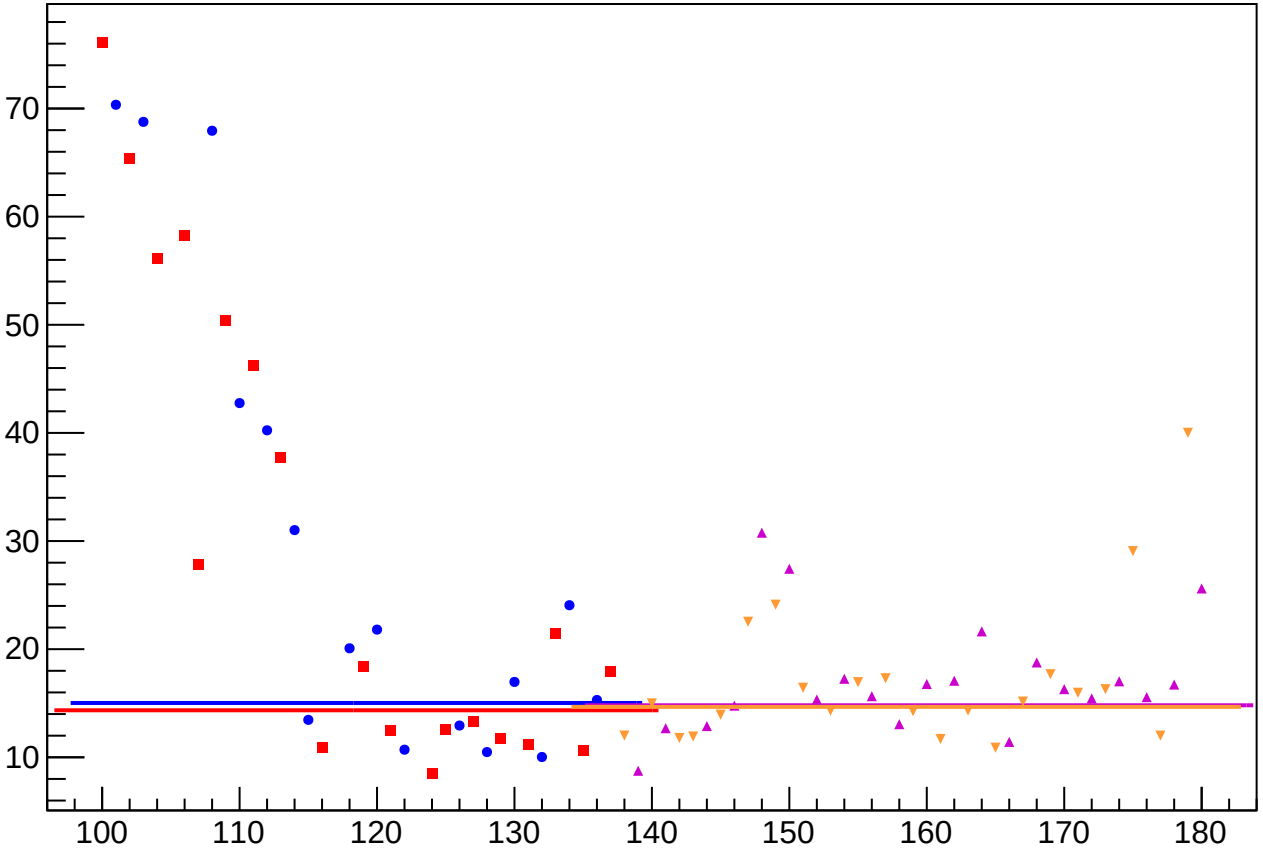
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.002+/-0.003 χ^2/NDF:51.9/36

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/77

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384266.0/20

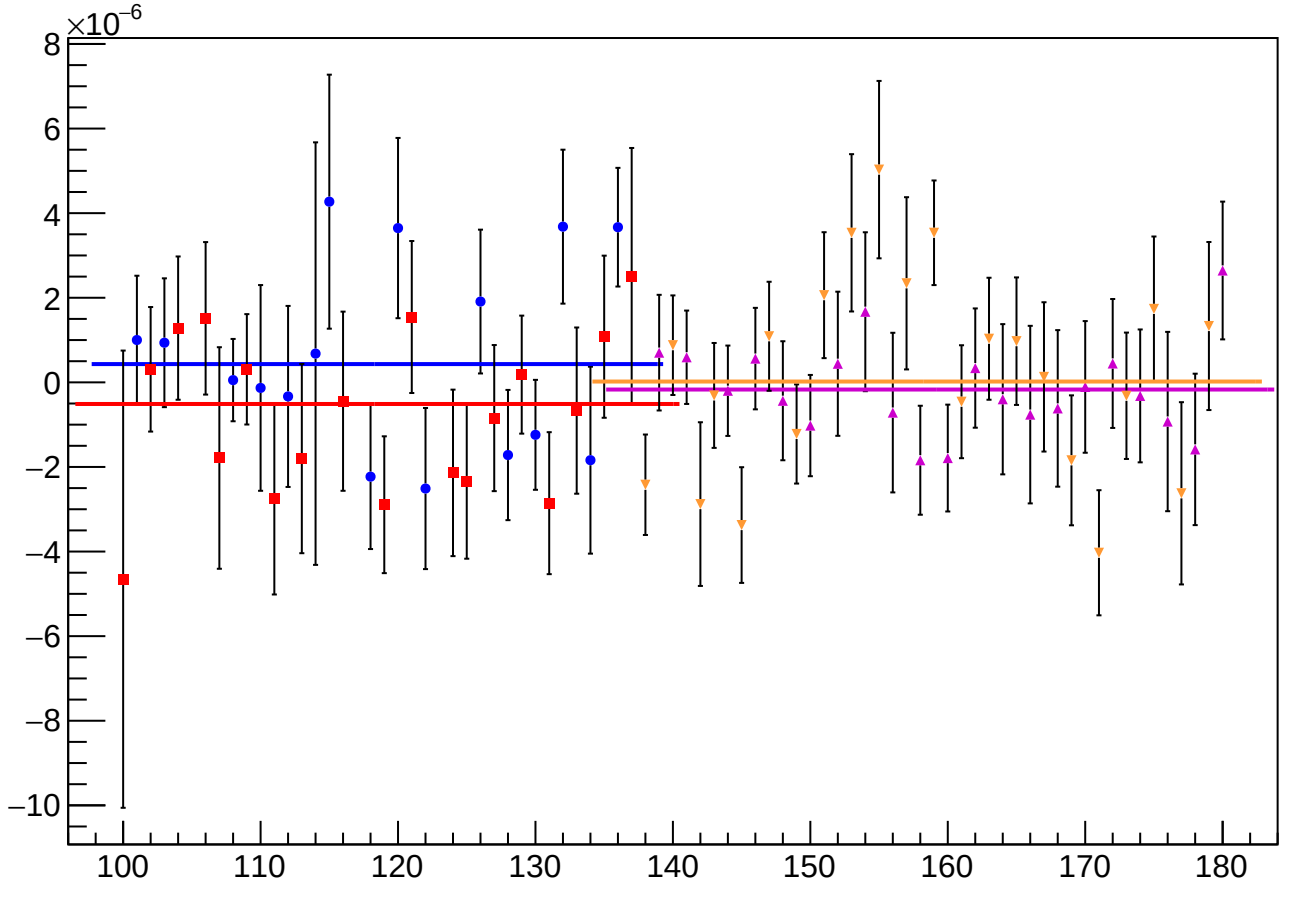
Left: 14.735+/-0.002 χ^2/NDF: 4449212.1/42

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.864+/-0.002 χ^2/NDF:5824052.9/36

Out: 14.583+/-0.002 χ^2/NDF:5696090.5/40

All: 14.719+/-0.002 χ^2/NDF: 11527450.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/20

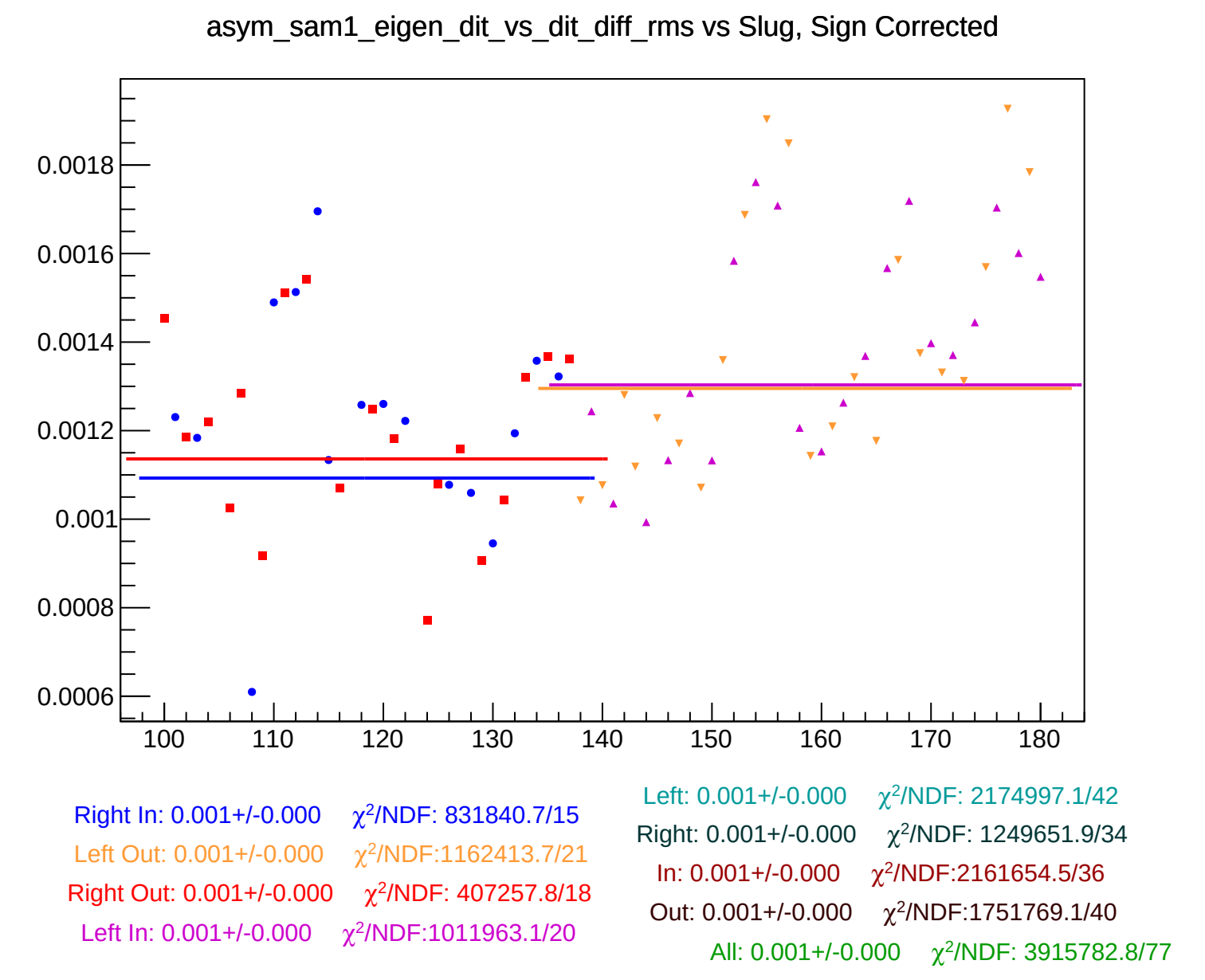
Left: -0.000+/-0.000 χ^2/NDF: 59.2/42

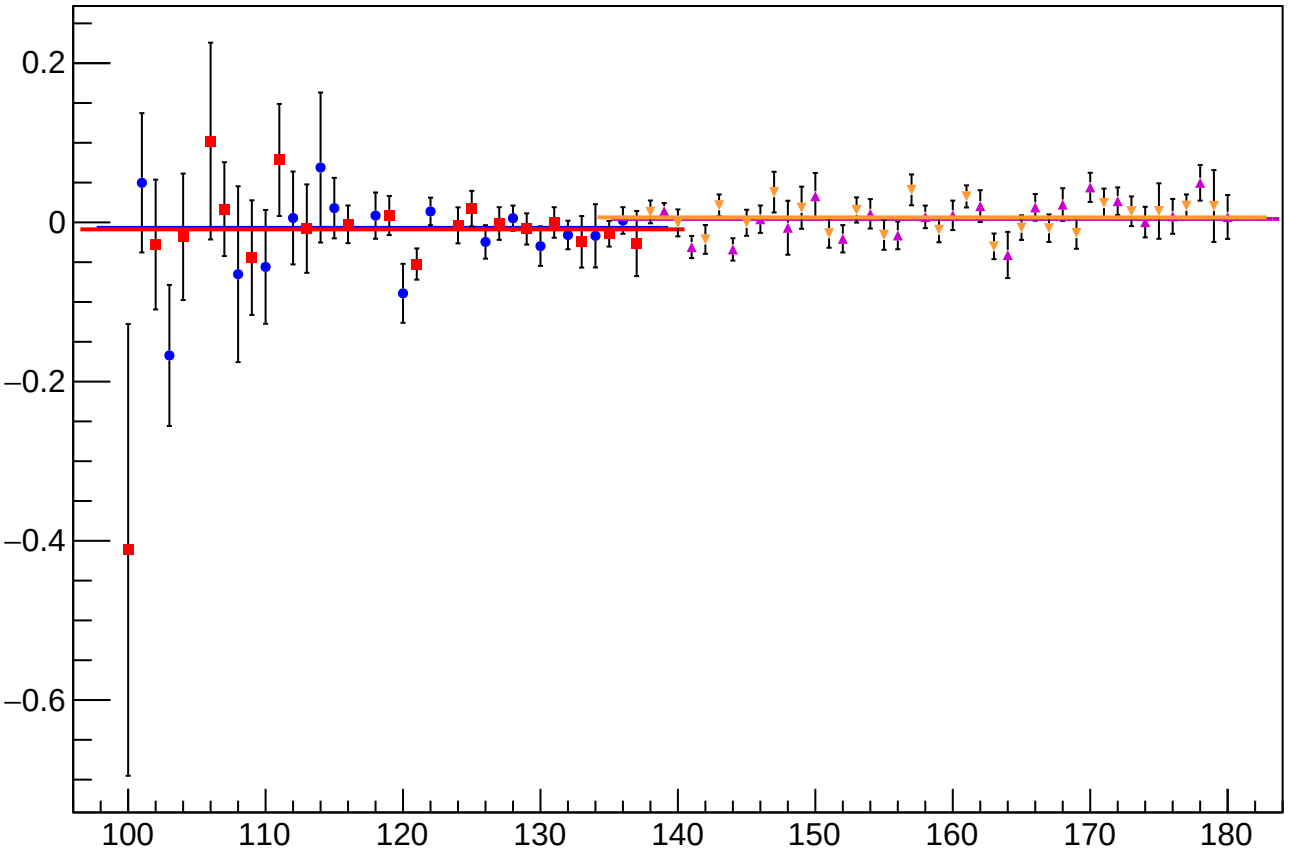
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:35.0/36

Out: -0.000+/-0.000 χ^2/NDF:63.9/40

All: -0.000+/-0.000 χ^2/NDF: 99.3/77


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
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1162413.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:1011963.1/20
Left: 0.001+/-0.000 χ²/NDF: 2174997.1/42
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:2161654.5/36
Out: 0.001+/-0.000 χ²/NDF:1751769.1/40
All: 0.001+/-0.000 χ²/NDF: 3915782.8/77



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/20

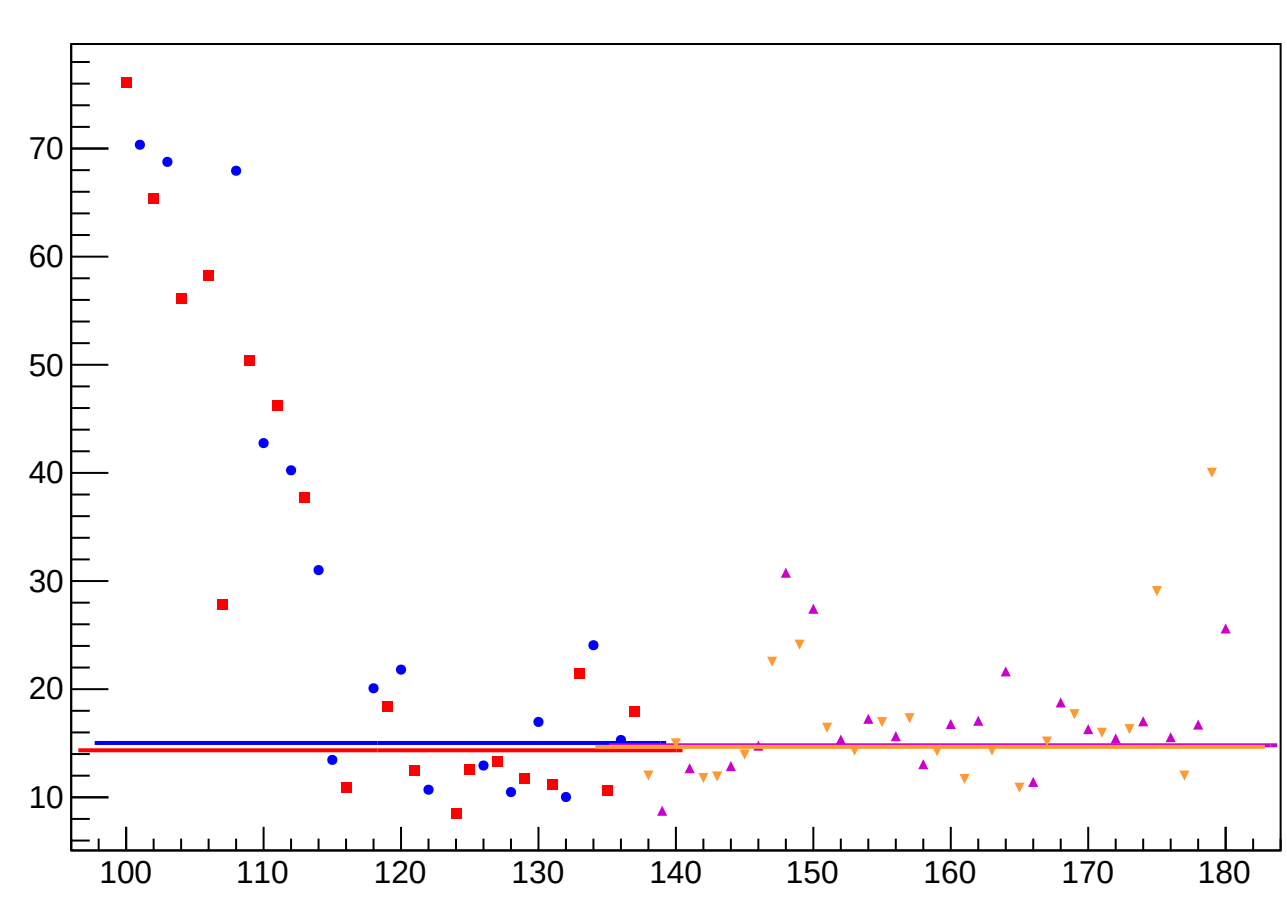
Left: 0.005+/-0.003 χ^2/NDF: 61.3/42

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.002+/-0.003 χ^2/NDF:51.9/36

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/77



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.663+/-0.003 χ^2/NDF:2063611.7/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

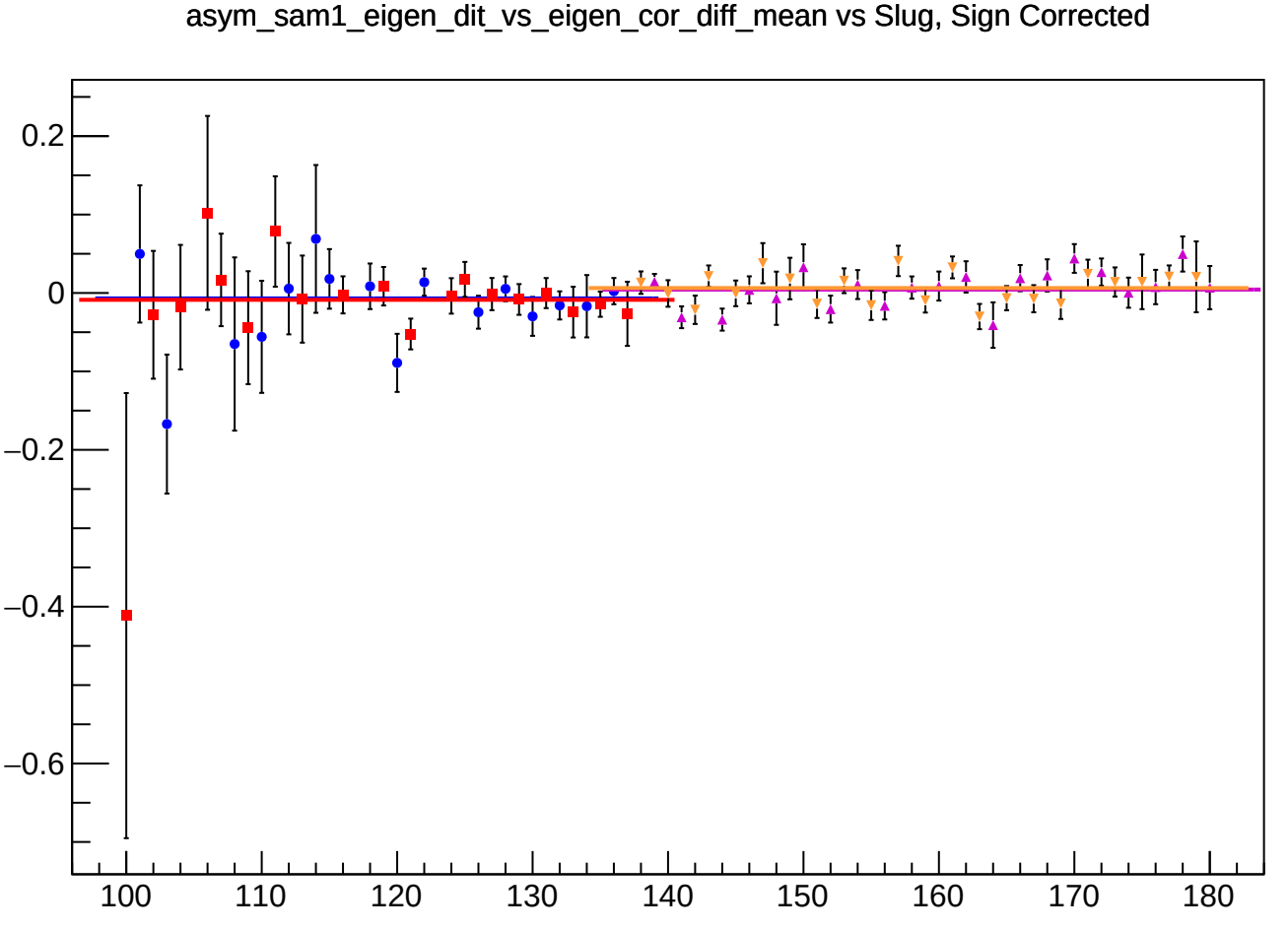
Left: 14.735+/-0.002 χ^2/NDF: 4449410.7/42

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.864+/-0.002 χ^2/NDF:5824097.6/36

Out: 14.583+/-0.002 χ^2/NDF:5696247.8/40

All: 14.718+/-0.002 χ^2/NDF: 11527654.4/77



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/20

Left: 0.005+/-0.003 χ^2/NDF: 61.3/42

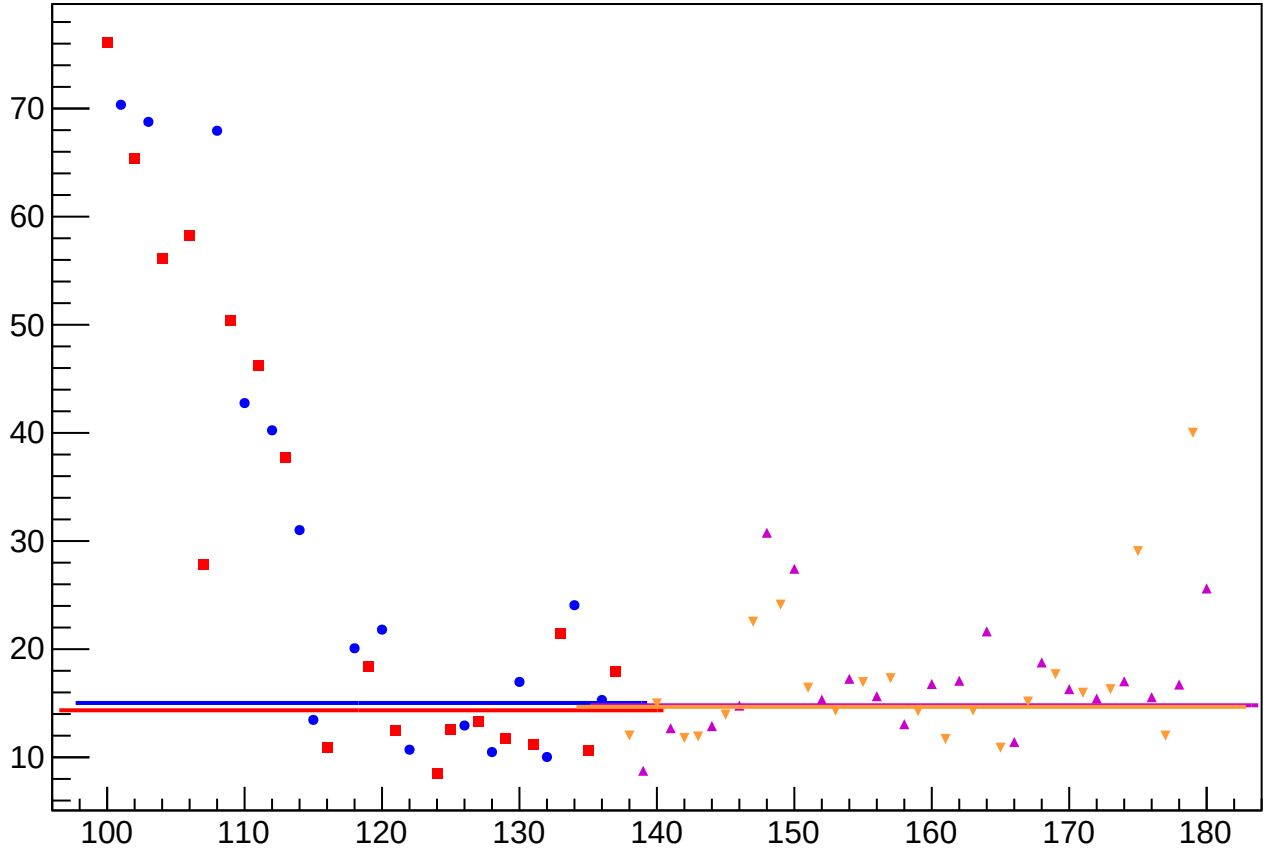
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.002+/-0.003 χ^2/NDF:51.9/36

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/77

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: 14.663+/-0.003 χ^2/NDF:2063611.7/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.811+/-0.003 χ^2/NDF:2384292.4/20

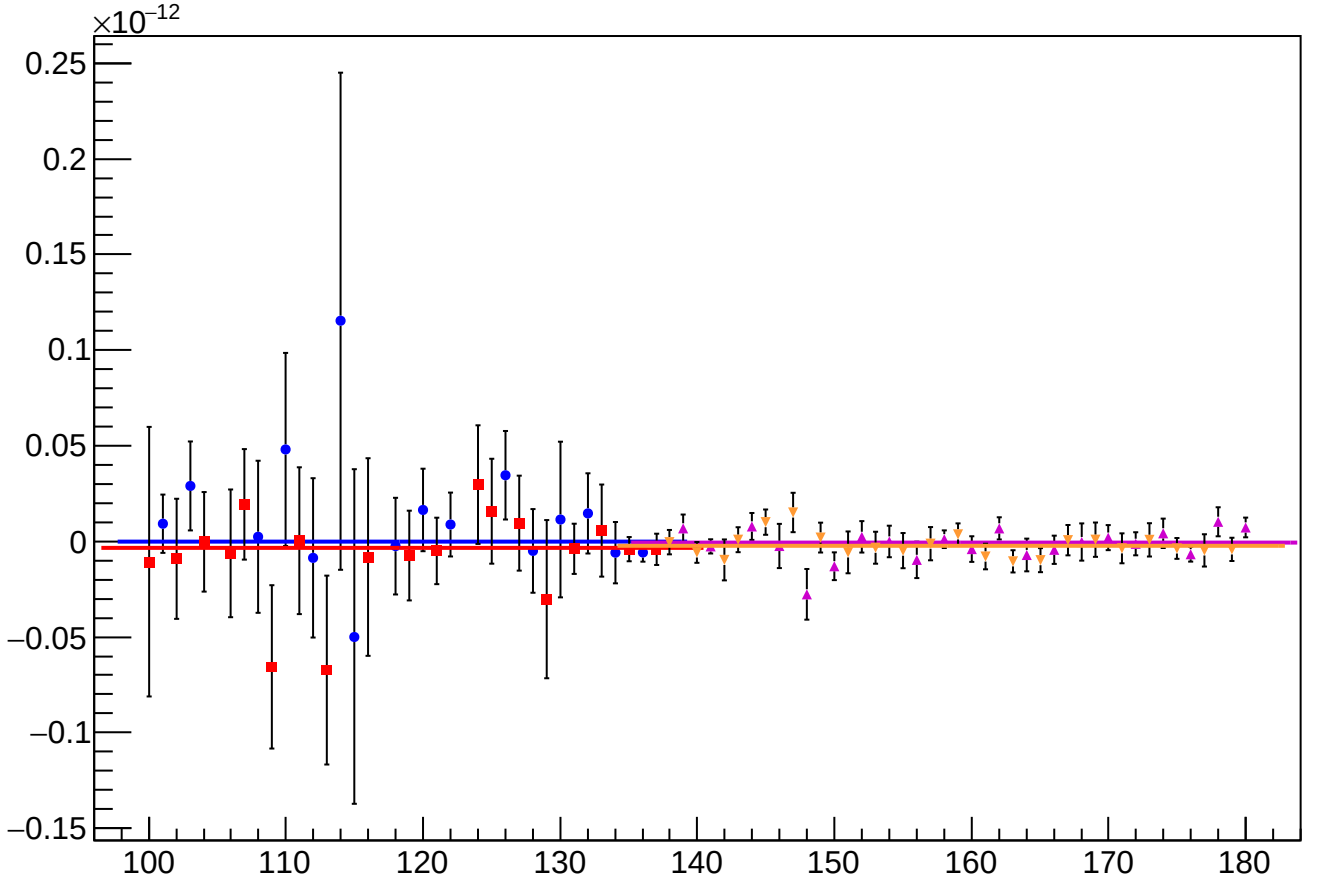
Left: 14.735+/-0.002 χ^2/NDF: 4449410.7/42

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.864+/-0.002 χ^2/NDF:5824097.6/36

Out: 14.583+/-0.002 χ^2/NDF:5696247.8/40

All: 14.718+/-0.002 χ^2/NDF: 11527654.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/20

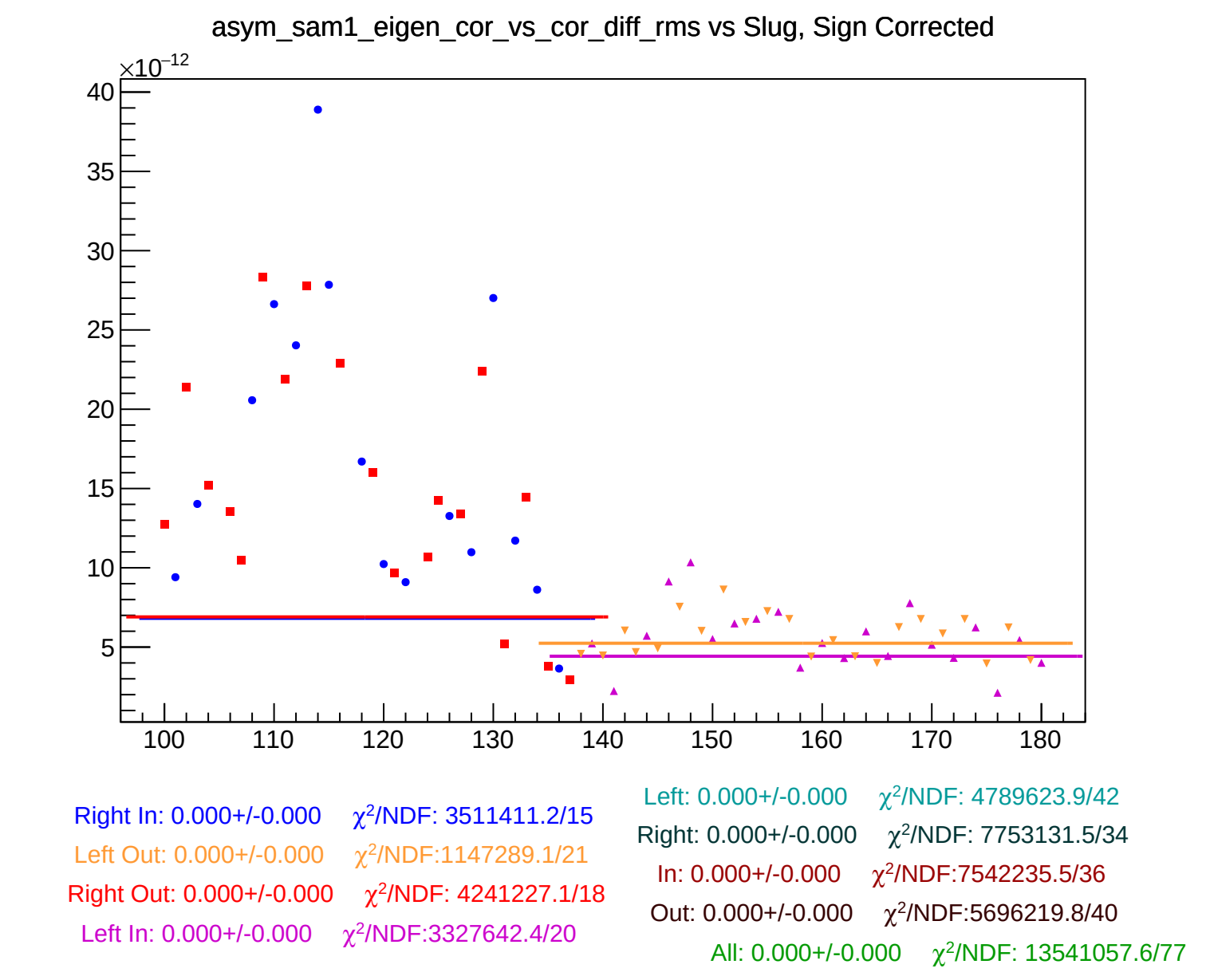
Left: -0.000+/-0.000 χ^2/NDF: 35.8/42

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

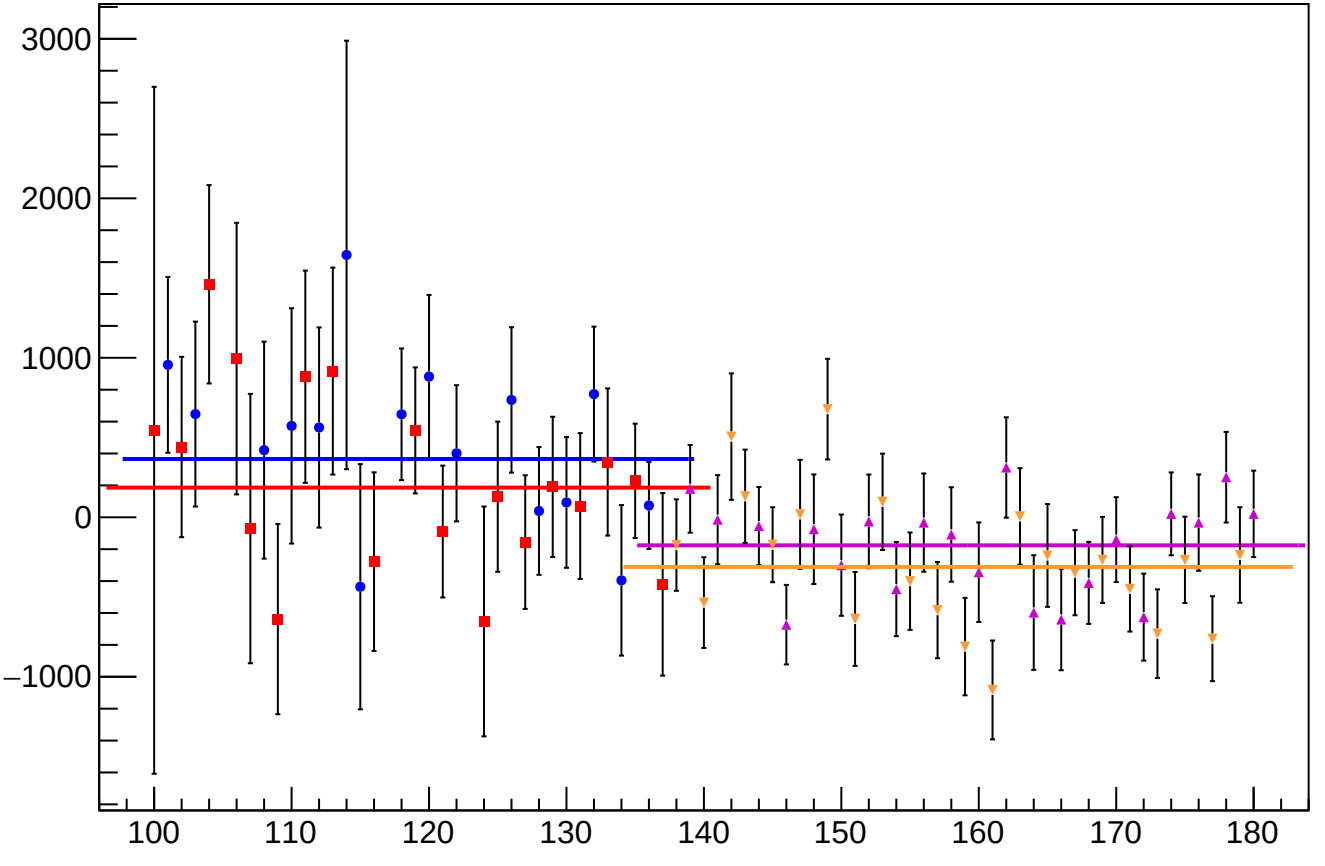
In: -0.000+/-0.000 χ^2/NDF:30.6/36

Out: -0.000+/-0.000 χ^2/NDF:21.0/40

All: -0.000+/-0.000 χ^2/NDF: 52.5/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1147289.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3327642.4/20
Left: 0.000+/-0.000 χ²/NDF: 4789623.9/42
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7542235.5/36
Out: 0.000+/-0.000 χ²/NDF:5696219.8/40
All: 0.000+/-0.000 χ²/NDF: 13541057.6/77

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -175.977+/-62.666 χ^2/NDF:21.2/20

Left: -244.195+/-44.130 χ^2/NDF: 61.6/42

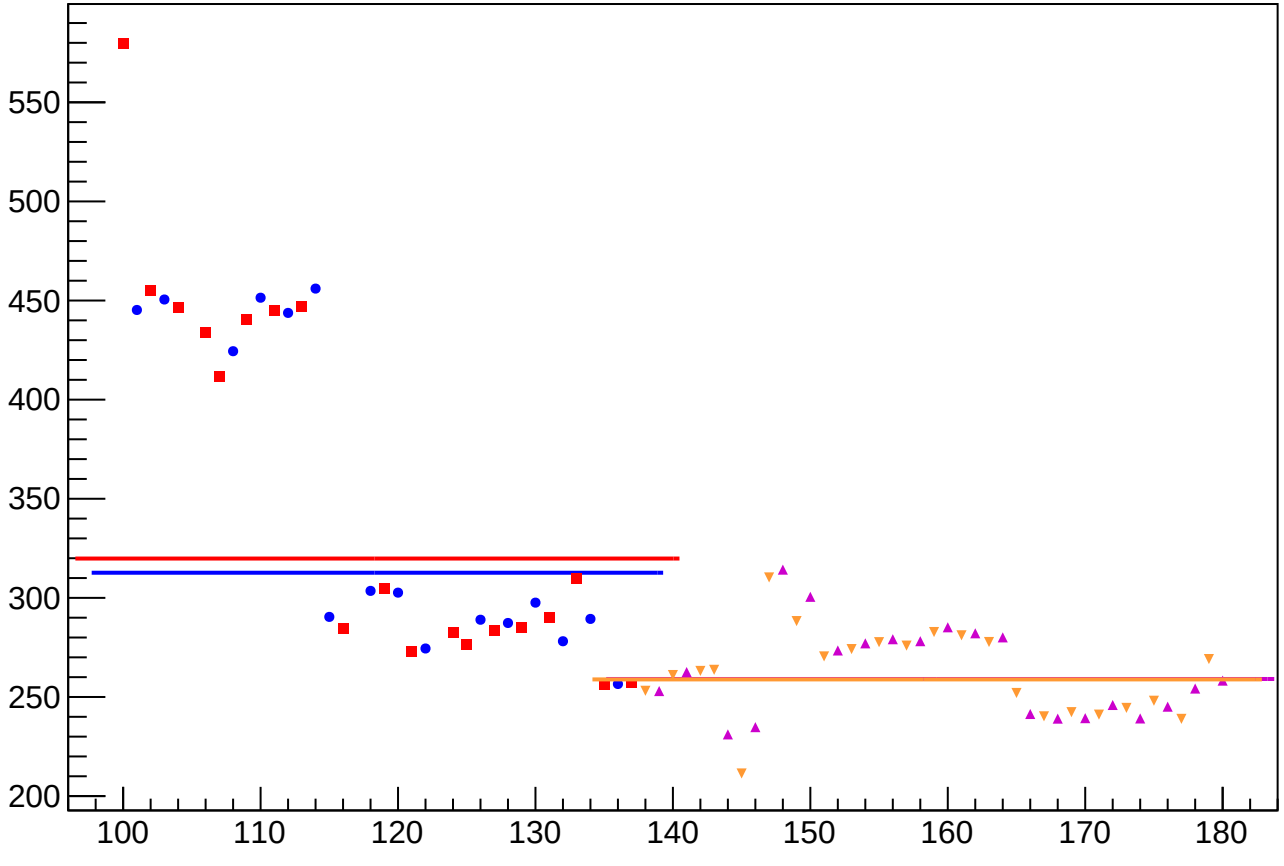
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -58.214+/-55.435 χ^2/NDF:49.0/36

Out: -206.339+/-55.209 χ^2/NDF:66.5/40

All: -132.579+/-39.118 χ^2/NDF: 119.1/77

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.3/21

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

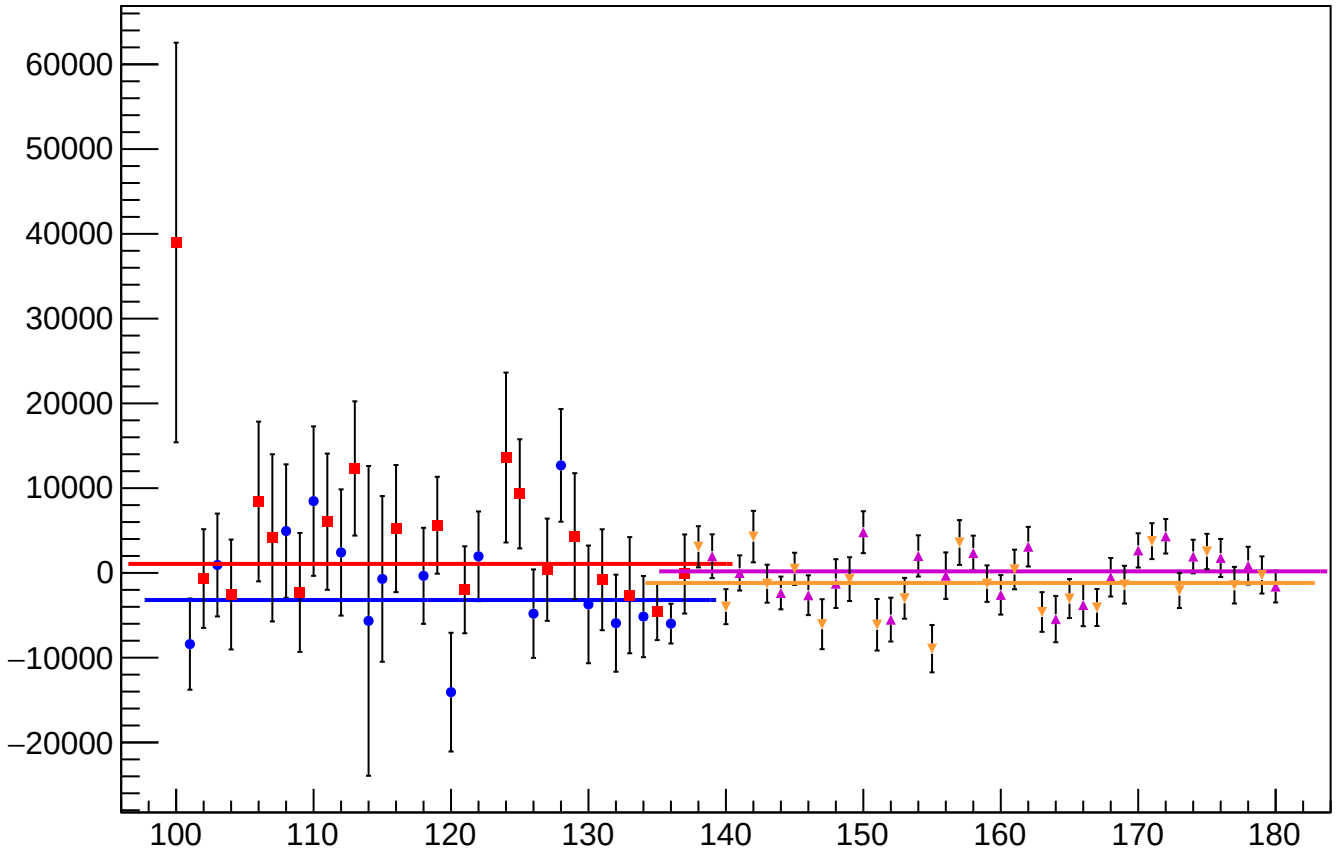
Left: 258.973+/-0.031 χ^2/NDF: 490711.7/42

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 270.740+/-0.039 χ^2/NDF:1163446.4/36

Out: 271.732+/-0.039 χ^2/NDF:1351679.6/40

All: 271.238+/-0.028 χ^2/NDF: 2515447.6/77



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1184.951+/-493.869 χ^2/NDF:39.8/21

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 184.457+/-494.693 χ^2/NDF:31.7/20

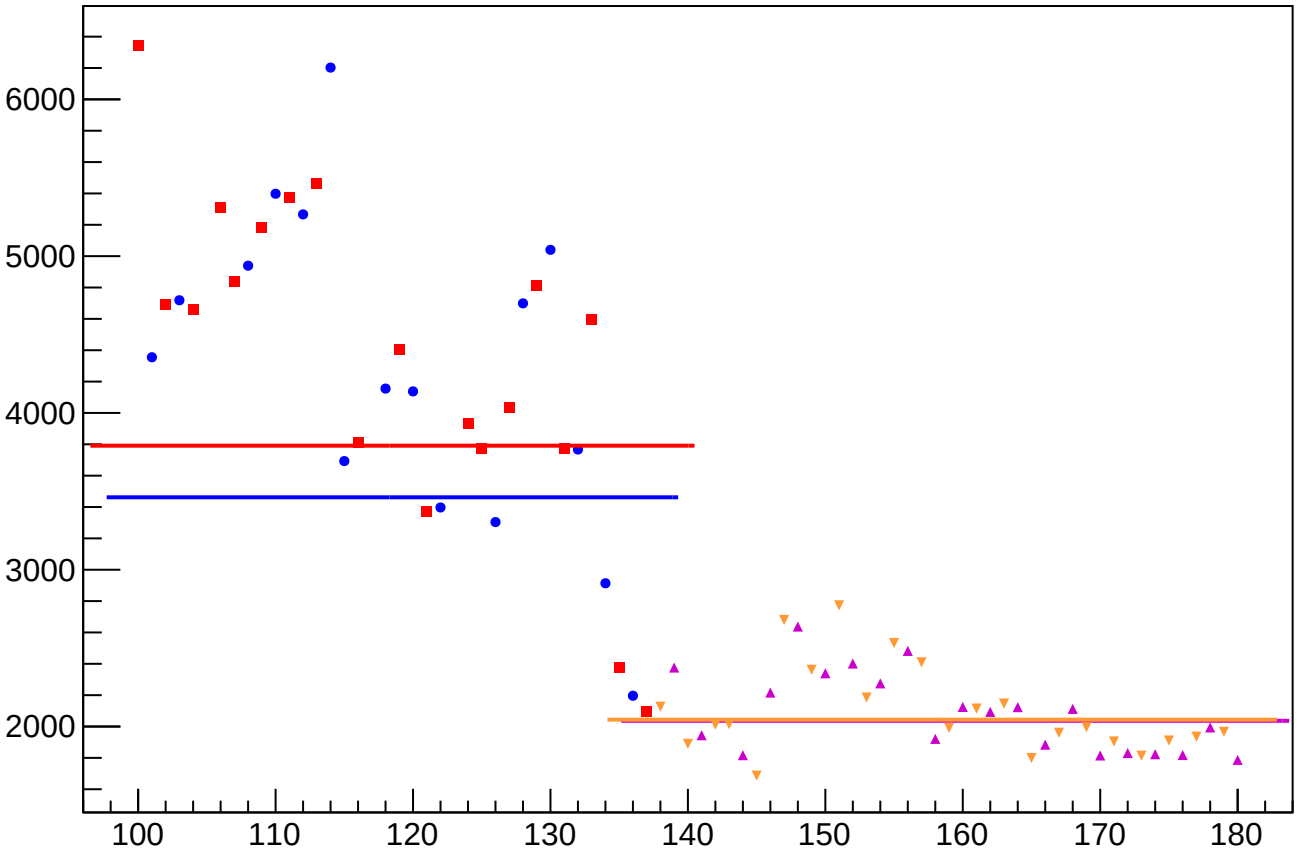
Left: -501.388+/-349.509 χ^2/NDF: 75.4/42

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -214.063+/-464.644 χ^2/NDF:53.3/36

Out: -949.032+/-467.271 χ^2/NDF:56.4/40

All: -579.476+/-329.478 χ^2/NDF: 111.0/77



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512053.7/21

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2036.498+/-0.350 χ^2/NDF:449537.8/20

Left: 2040.188+/-0.247 χ^2/NDF: 961813.7/42

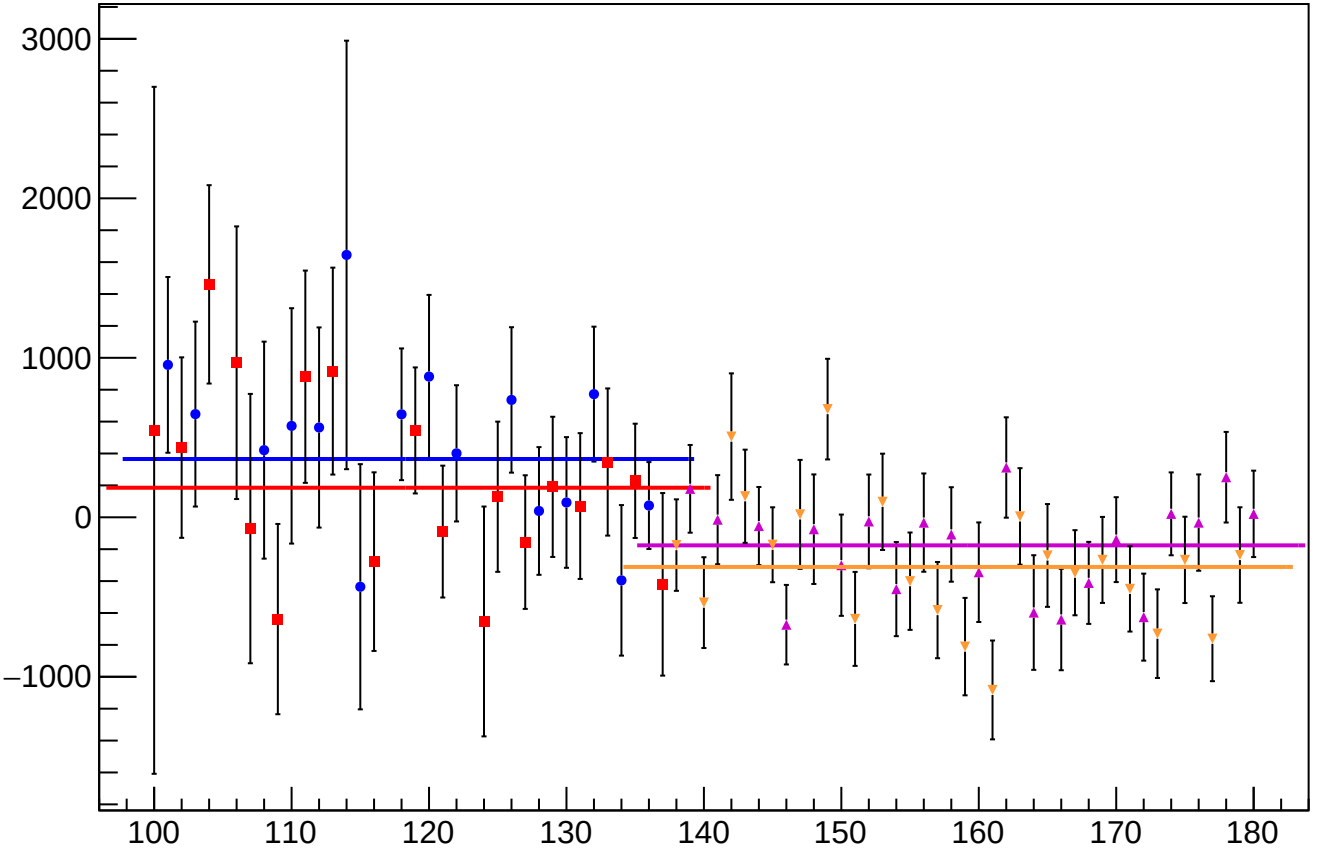
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2204.405+/-0.329 χ^2/NDF:3715139.5/36

Out: 2227.007+/-0.330 χ^2/NDF:4291855.7/40

All: 2215.642+/-0.233 χ^2/NDF: 8009348.0/77

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -175.986+/-62.666 χ^2/NDF:21.2/20

Left: -244.200+/-44.130 χ^2/NDF: 61.6/42

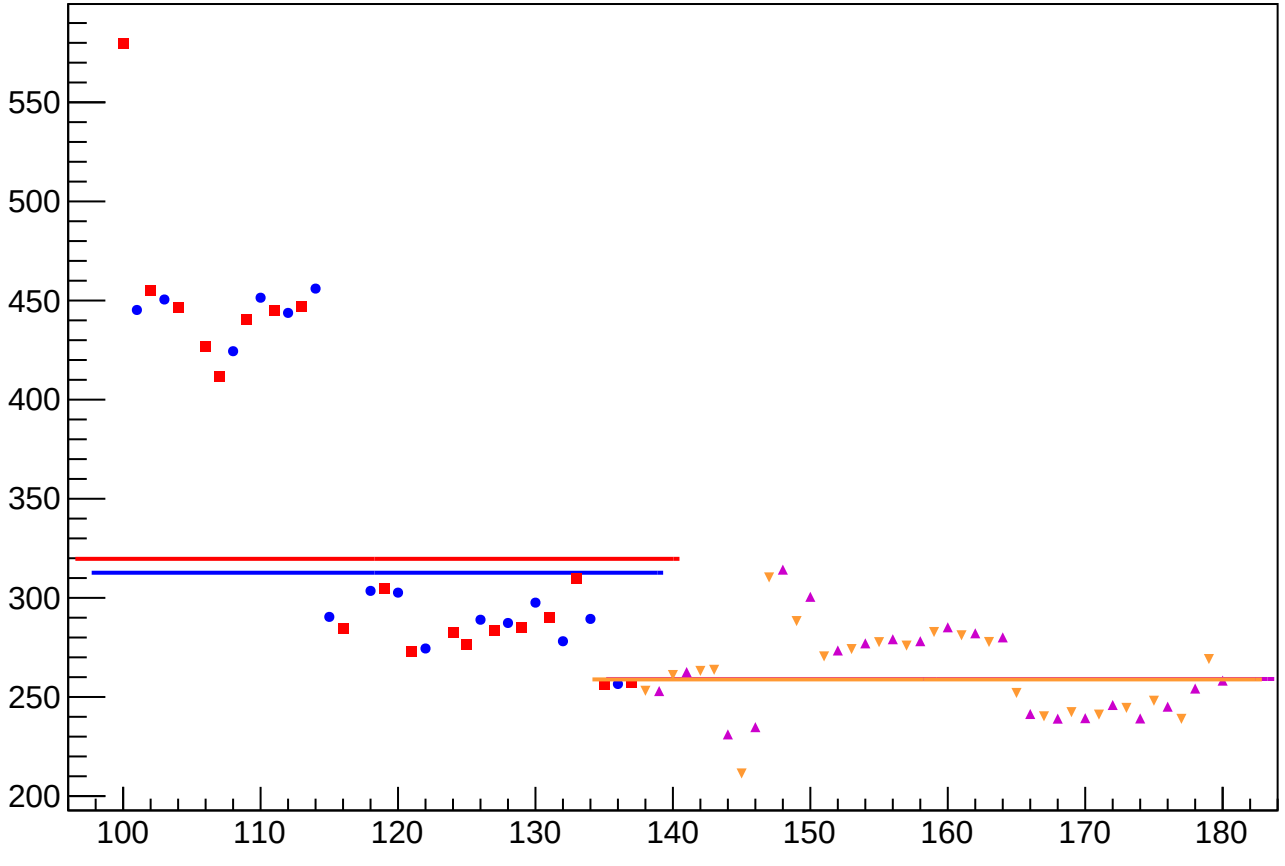
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -58.225+/-55.435 χ^2/NDF:49.0/36

Out: -206.526+/-55.210 χ^2/NDF:66.4/40

All: -132.676+/-39.119 χ^2/NDF: 119.0/77

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

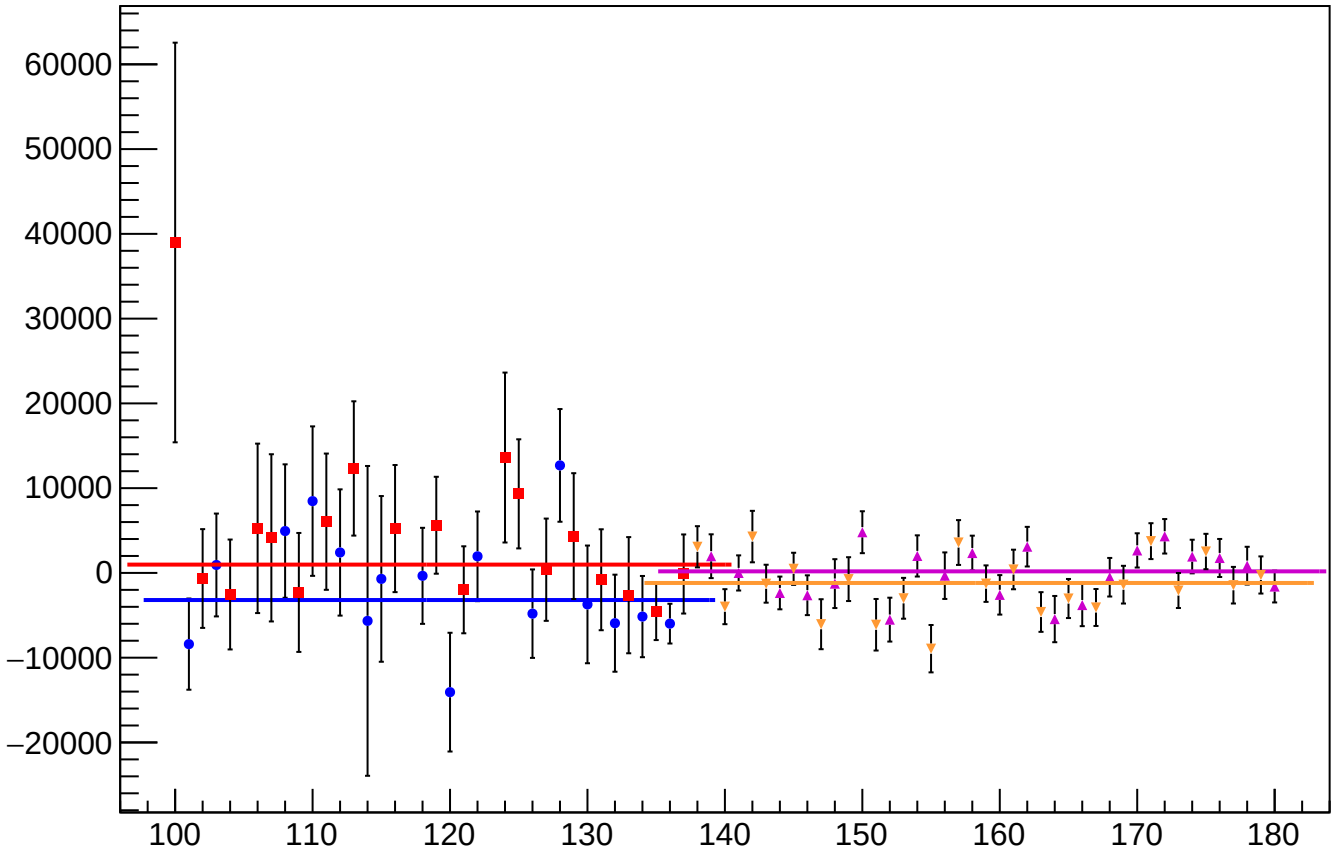
Left: 258.973+/-0.031 χ^2/NDF: 490711.8/42

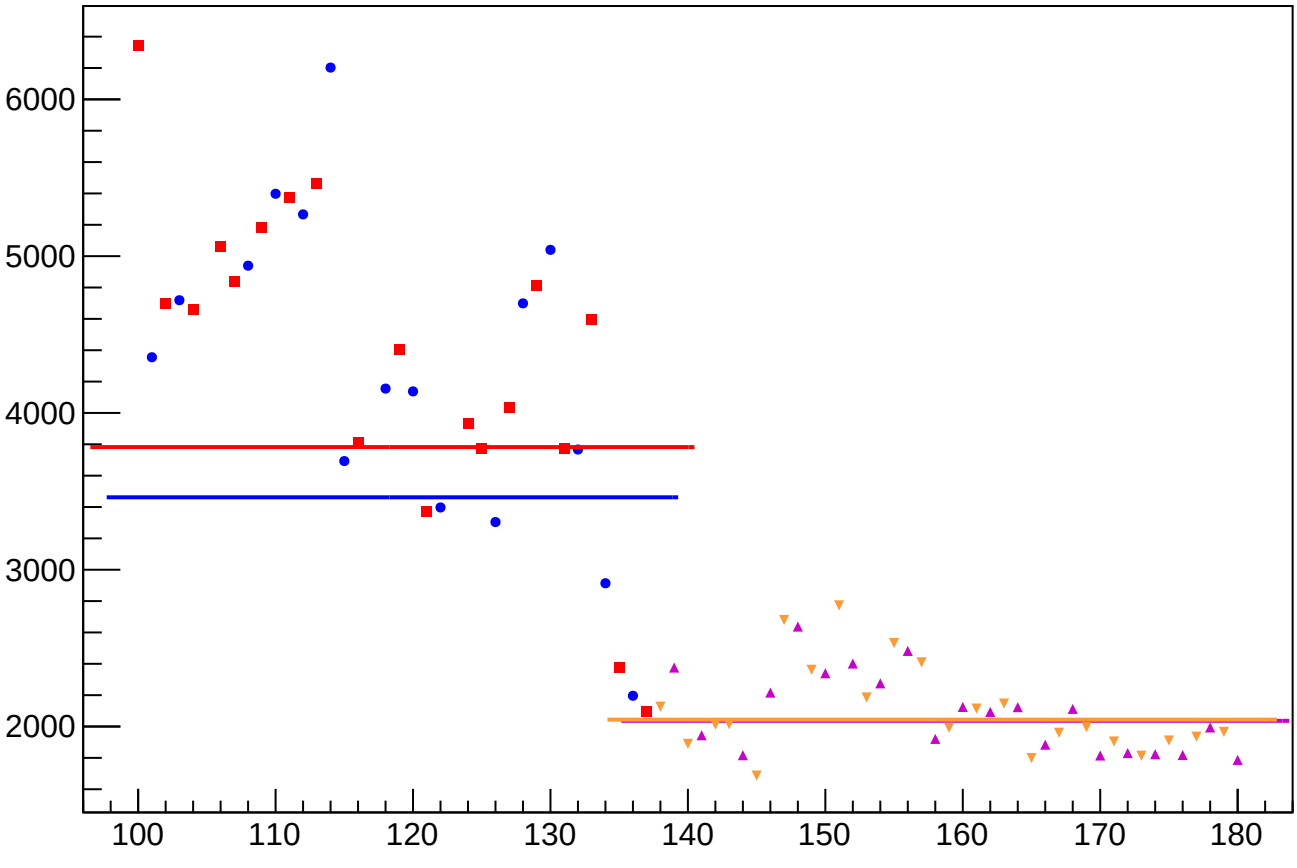
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.740+/-0.039 χ^2/NDF:1163447.9/36

Out: 271.699+/-0.039 χ^2/NDF:1345485.4/40

All: 271.221+/-0.028 χ^2/NDF: 2509233.9/77


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1184.953+/-493.869 χ²/NDF:39.8/21
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 184.457+/-494.693 χ²/NDF:31.7/20
Left: -501.389+/-349.509 χ²/NDF: 75.4/42
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -214.054+/-464.644 χ²/NDF:53.3/36
Out: -958.488+/-467.337 χ²/NDF:55.8/40
All: -584.120+/-329.501 χ²/NDF: 110.4/77



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

Left: 2040.188+/-0.247 χ^2/NDF: 961817.9/42

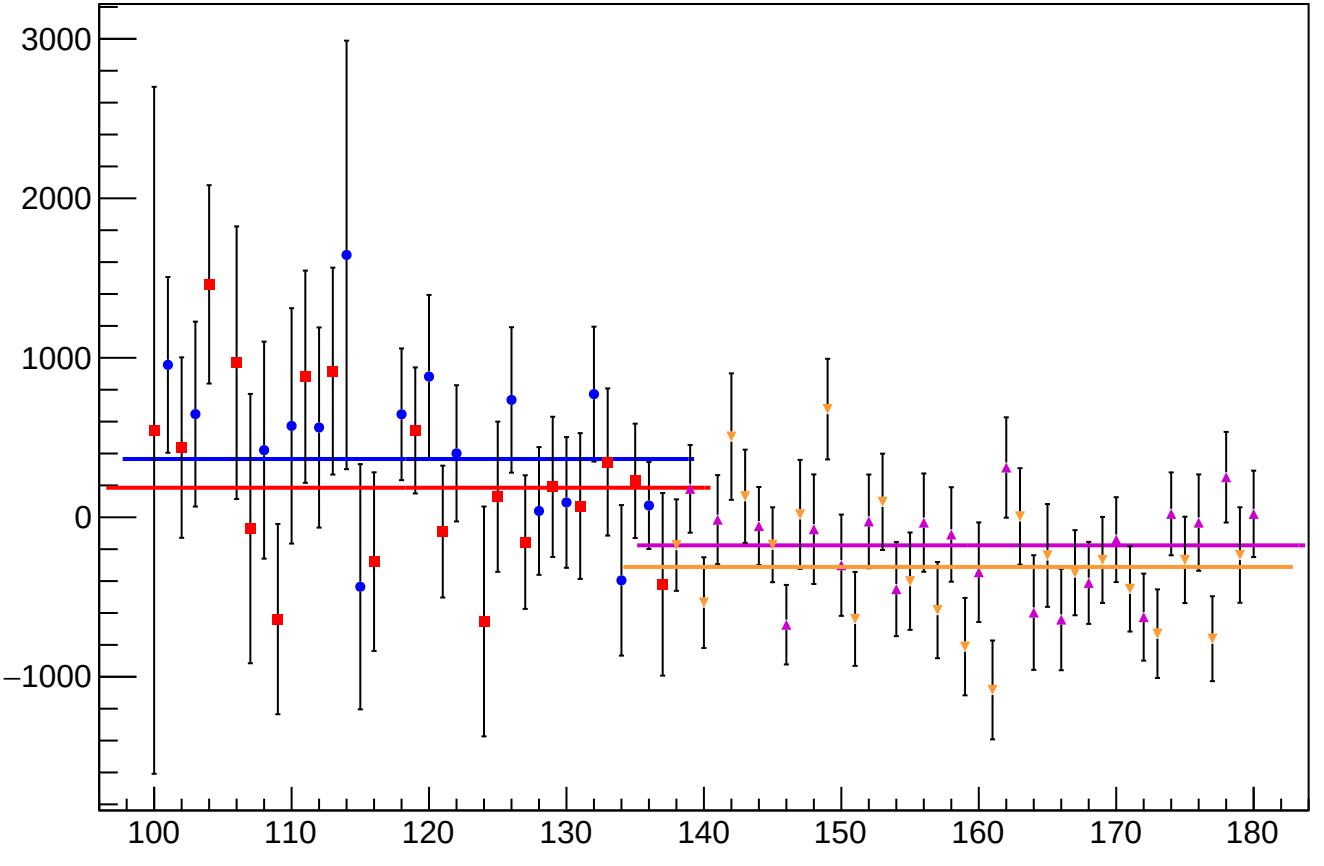
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2204.405+/-0.329 χ^2/NDF:3715163.5/36

Out: 2225.623+/-0.330 χ^2/NDF:4239154.4/40

All: 2214.953+/-0.233 χ^2/NDF: 7956391.0/77

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -175.986+/-62.666 χ^2/NDF:21.2/20

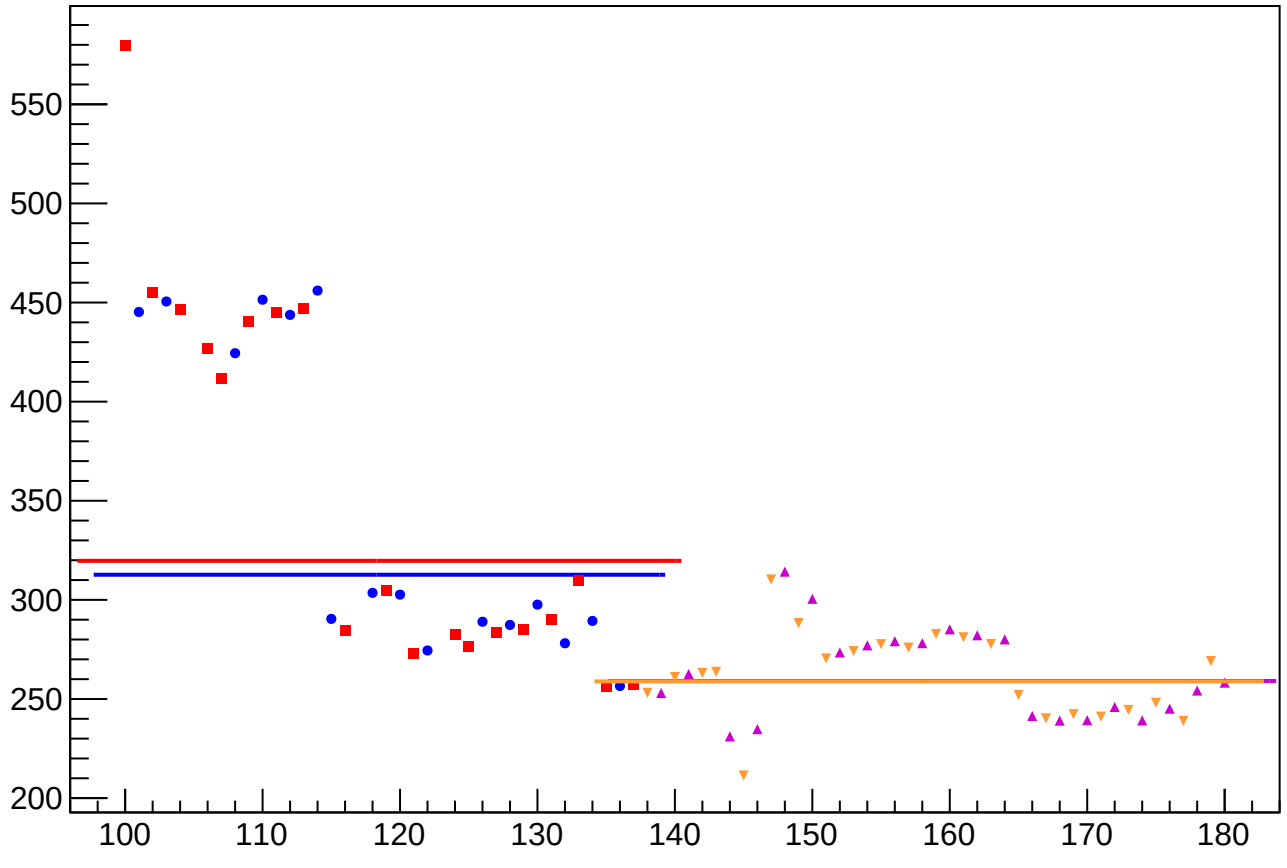
Left: -244.200+/-44.130 χ^2/NDF: 61.6/42

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -58.225+/-55.435 χ^2/NDF:49.0/36

Out: -206.526+/-55.210 χ^2/NDF:66.4/40

All: -132.676+/-39.119 χ^2/NDF: 119.0/77



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.083+/-0.044 χ^2/NDF:243050.2/20

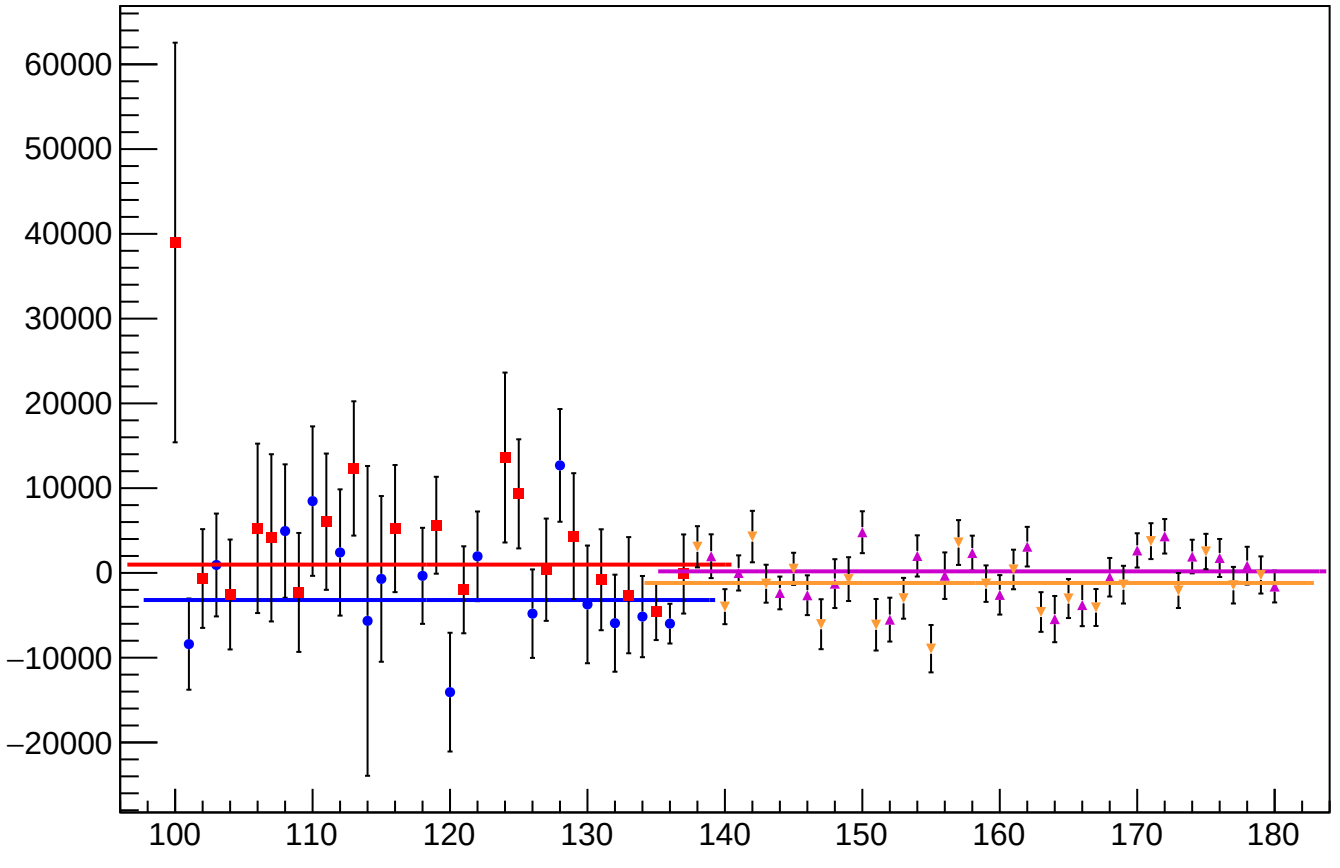
Left: 258.973+/-0.031 χ^2/NDF: 490711.8/42

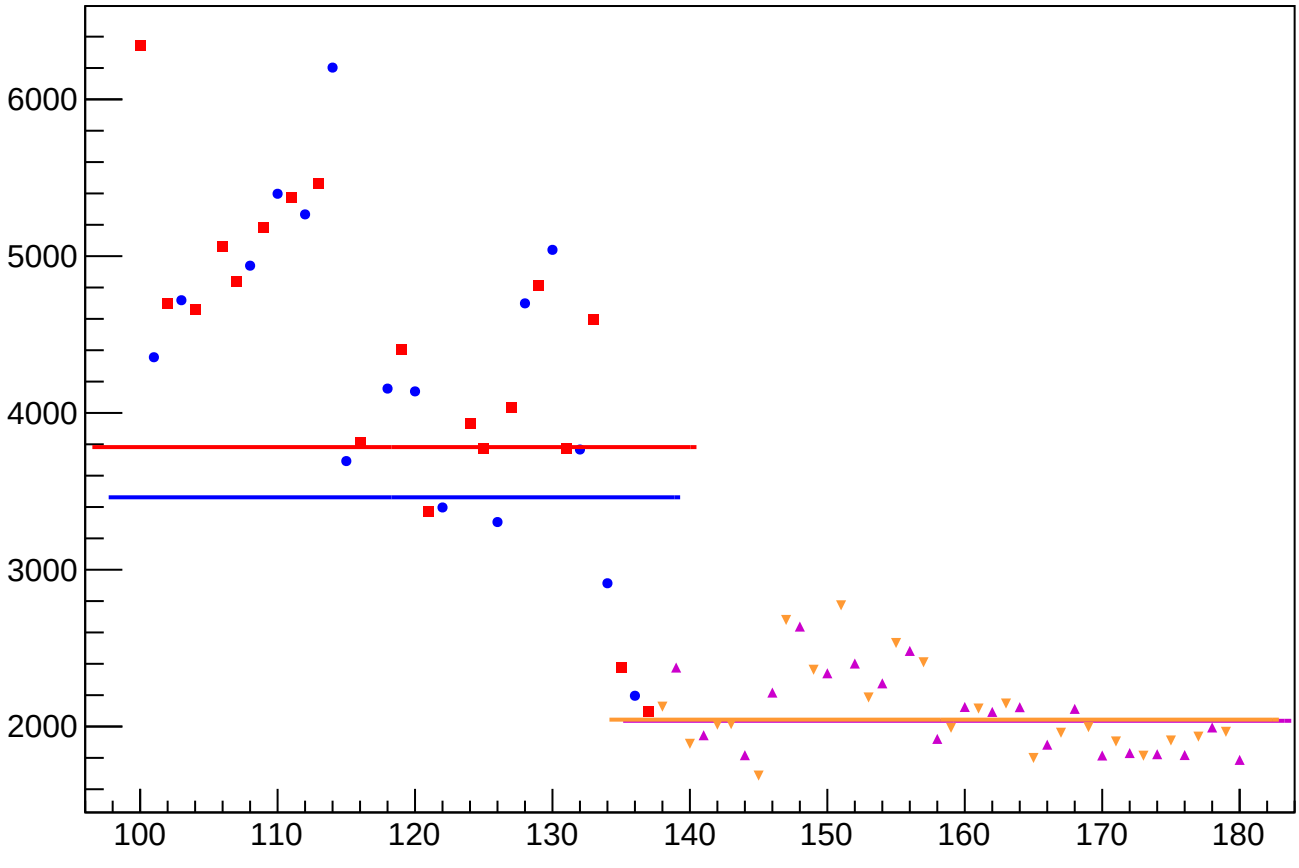
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 270.740+/-0.039 χ^2/NDF:1163447.9/36

Out: 271.699+/-0.039 χ^2/NDF:1345485.4/40

All: 271.221+/-0.028 χ^2/NDF: 2509233.9/77


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
180
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1184.953+/-493.869 χ²/NDF:39.8/21
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 184.457+/-494.693 χ²/NDF:31.7/20
Left: -501.389+/-349.509 χ²/NDF: 75.4/42
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -214.054+/-464.644 χ²/NDF:53.3/36
Out: -958.488+/-467.337 χ²/NDF:55.8/40
All: -584.120+/-329.501 χ²/NDF: 110.4/77



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2036.498+/-0.350 χ^2/NDF:449541.2/20

Left: 2040.188+/-0.247 χ^2/NDF: 961817.9/42

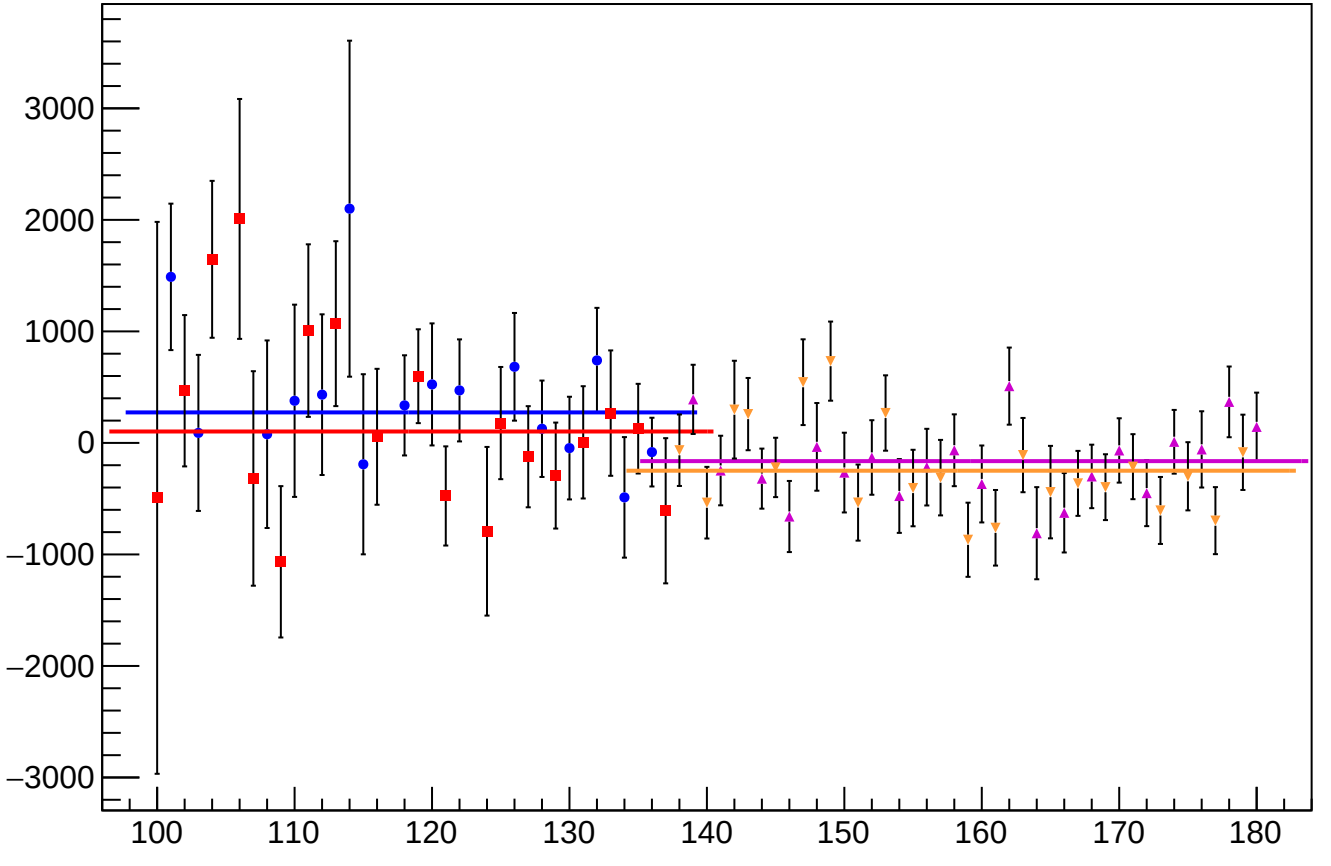
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2204.405+/-0.329 χ^2/NDF:3715163.5/36

Out: 2225.623+/-0.330 χ^2/NDF:4239154.4/40

All: 2214.953+/-0.233 χ^2/NDF: 7956391.0/77

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -249.303+/-69.538 χ^2/NDF:30.8/21

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -163.340+/-70.293 χ^2/NDF:21.1/20

Left: -206.786+/-49.436 χ^2/NDF: 52.6/42

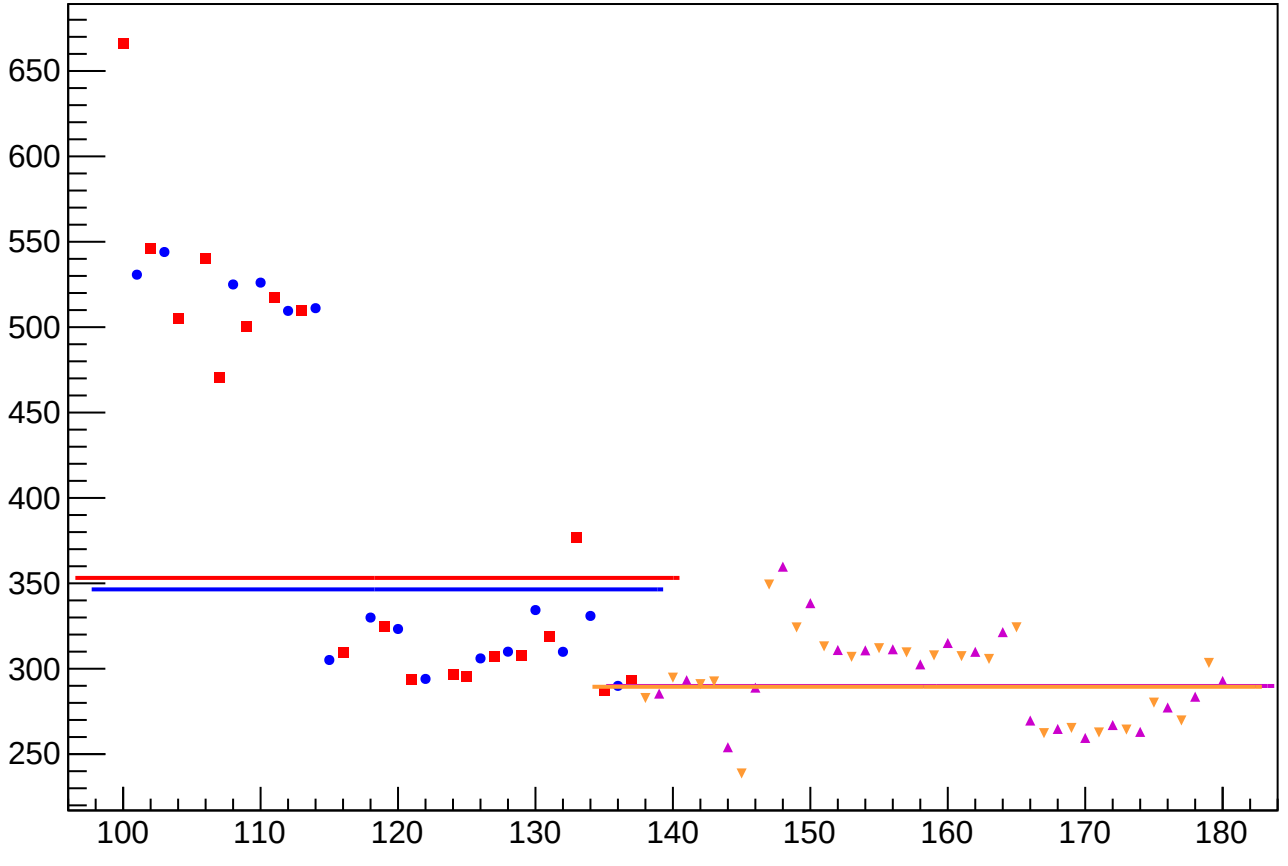
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -67.421+/-62.100 χ^2/NDF:41.0/36

Out: -174.344+/-61.683 χ^2/NDF:57.6/40

All: -121.242+/-43.763 χ^2/NDF: 100.1/77

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.432+/-0.049 χ^2/NDF:278738.3/21

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.899+/-0.050 χ^2/NDF:269525.8/20

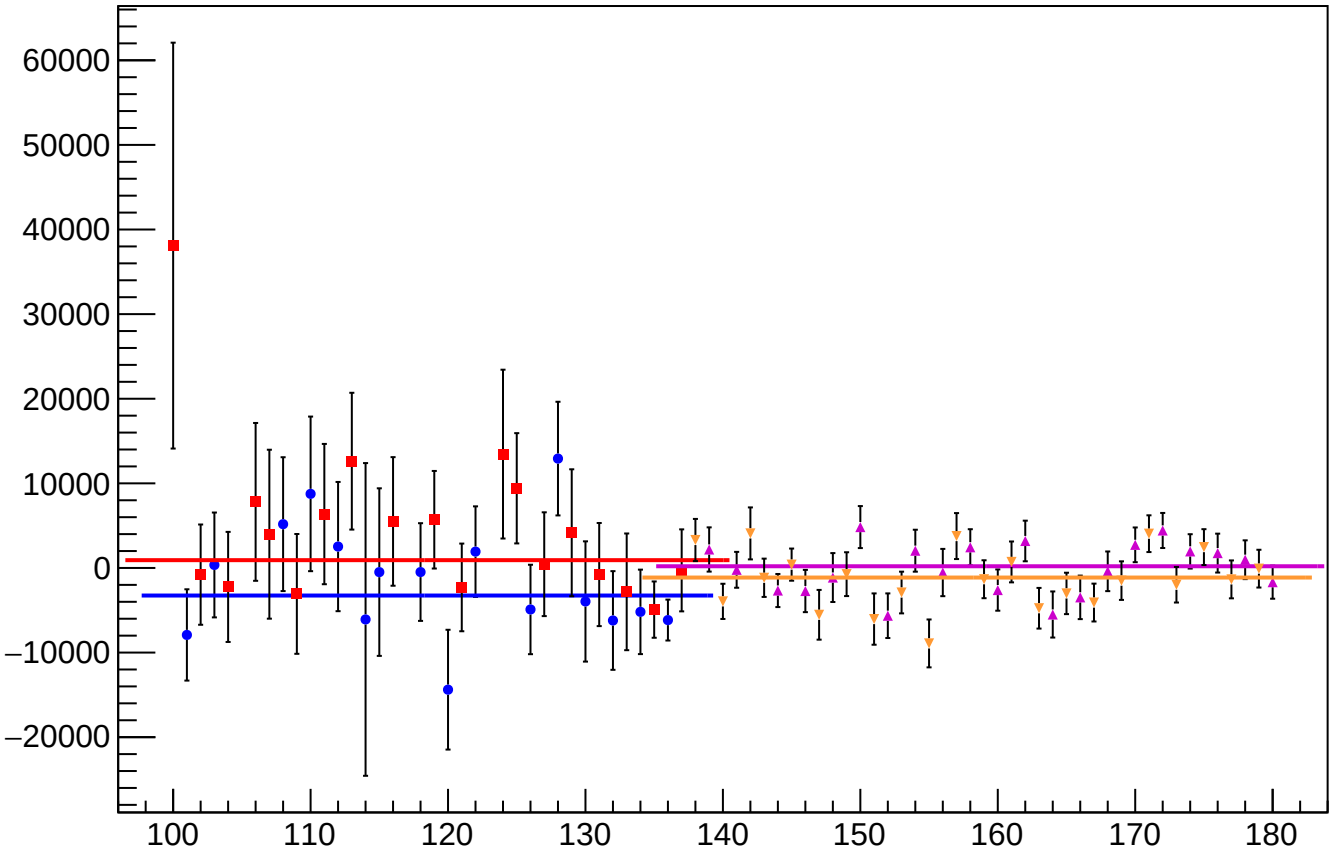
Left: 289.663+/-0.035 χ^2/NDF: 548308.6/42

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 302.315+/-0.044 χ^2/NDF:1322516.0/36

Out: 303.020+/-0.044 χ^2/NDF:1503335.4/40

All: 302.670+/-0.031 χ^2/NDF: 2825981.1/77



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1133.073+/-504.236 χ^2/NDF:39.0/21

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 201.032+/-506.998 χ^2/NDF:31.8/20

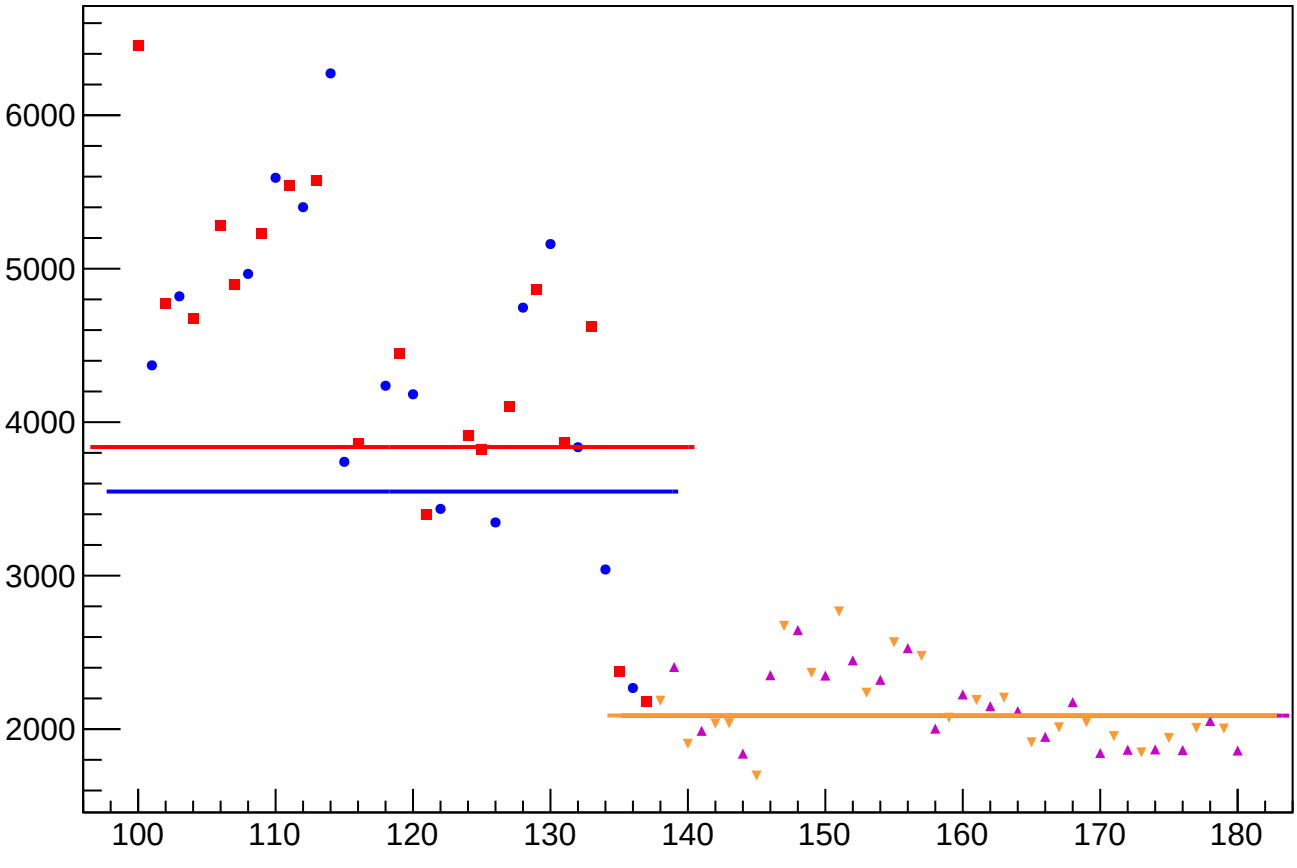
Left: -469.665+/-357.521 χ^2/NDF: 74.2/42

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -208.261+/-476.066 χ^2/NDF:53.3/36

Out: -914.350+/-476.637 χ^2/NDF:55.4/40

All: -560.883+/-336.831 χ^2/NDF: 109.8/77



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482353.5/21

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2088.014+/-0.359 χ^2/NDF:430209.6/20

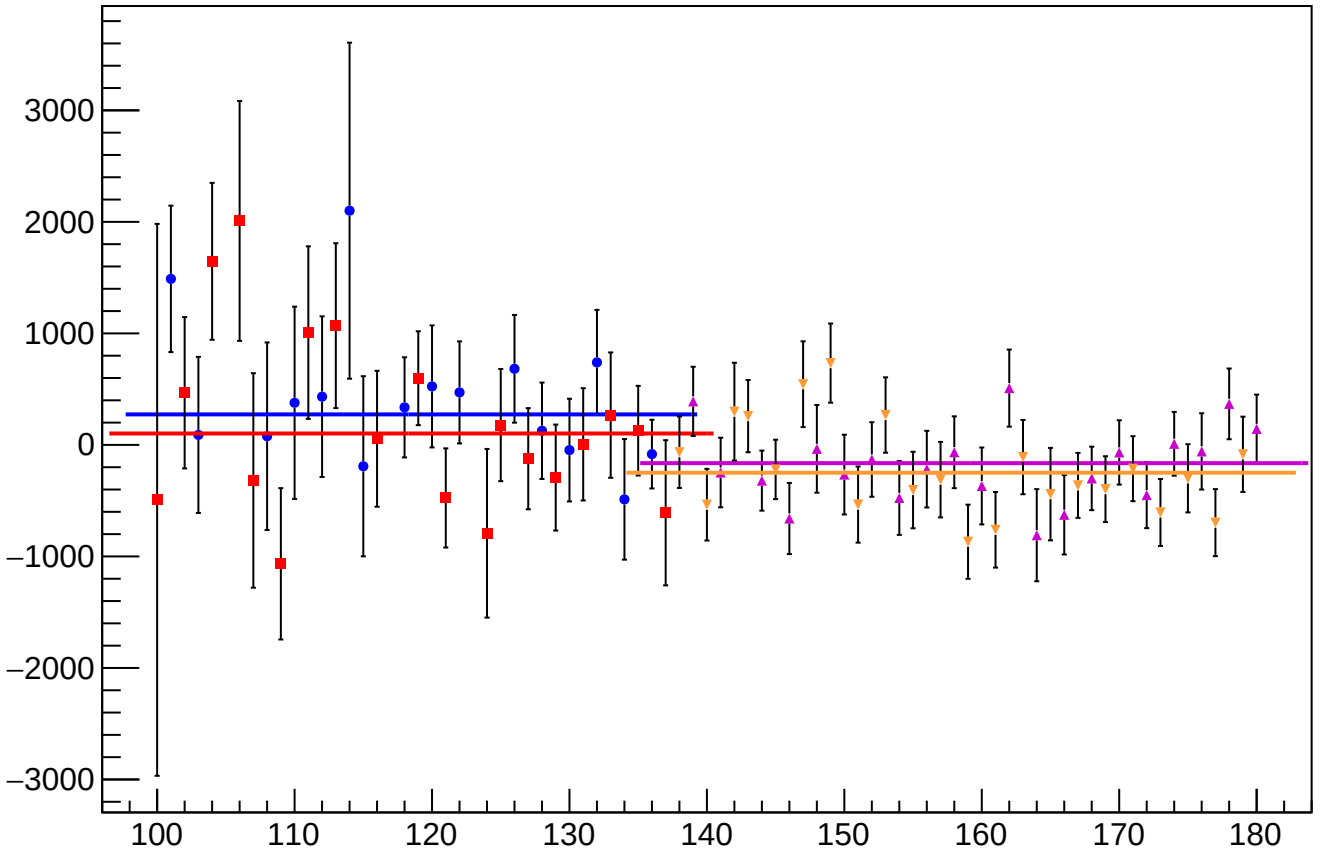
Left: 2088.437+/-0.253 χ^2/NDF: 912565.8/42

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2260.723+/-0.337 χ^2/NDF:3650571.9/36

Out: 2275.089+/-0.337 χ^2/NDF:4200519.0/40

All: 2267.897+/-0.238 χ^2/NDF: 7852000.4/77



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -249.307+/-69.538 χ^2/NDF:30.8/21

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -163.342+/-70.293 χ^2/NDF:21.1/20

Left: -206.789+/-49.436 χ^2/NDF: 52.6/42

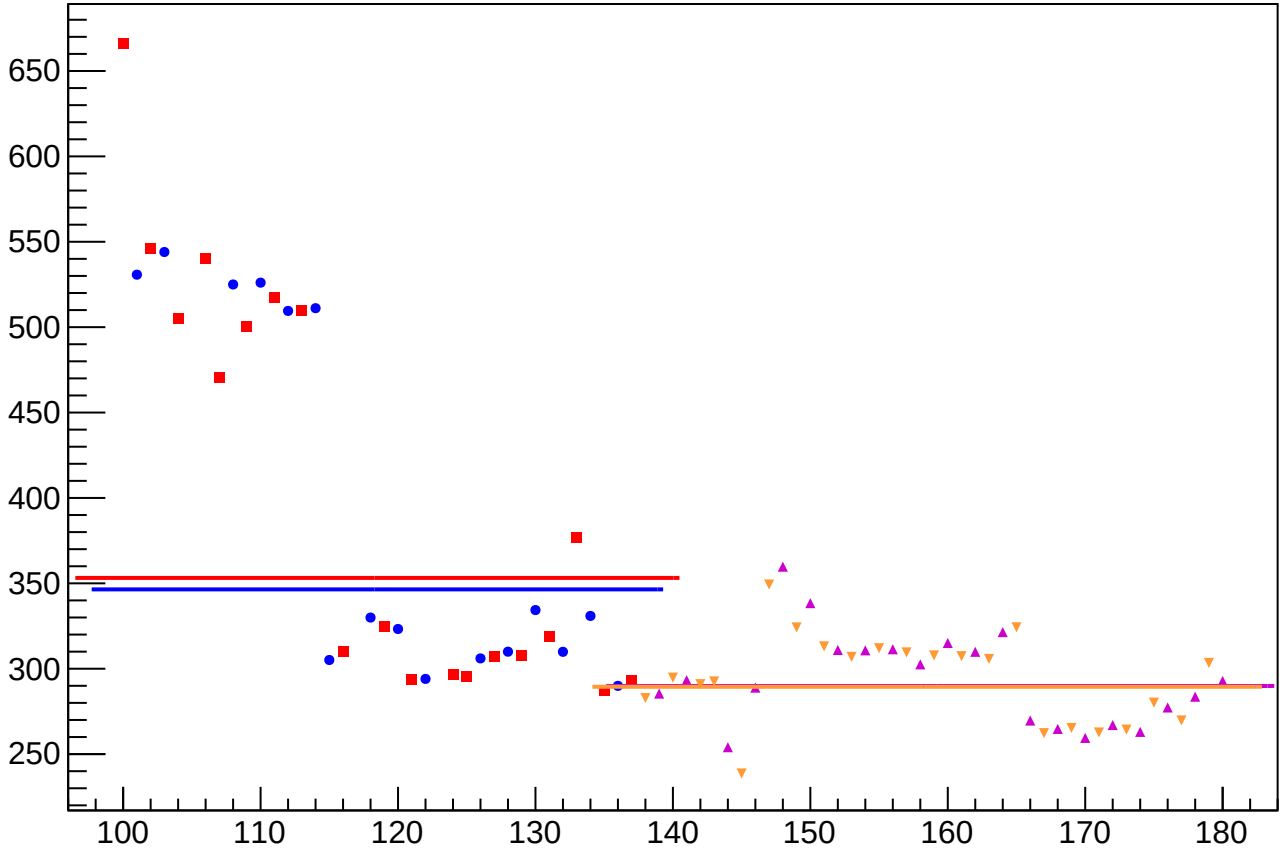
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -67.421+/-62.100 χ^2/NDF:41.0/36

Out: -174.347+/-61.683 χ^2/NDF:57.6/40

All: -121.244+/-43.763 χ^2/NDF: 100.1/77

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.433+/-0.049 χ^2/NDF:278744.1/21

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.899+/-0.050 χ^2/NDF:269528.2/20

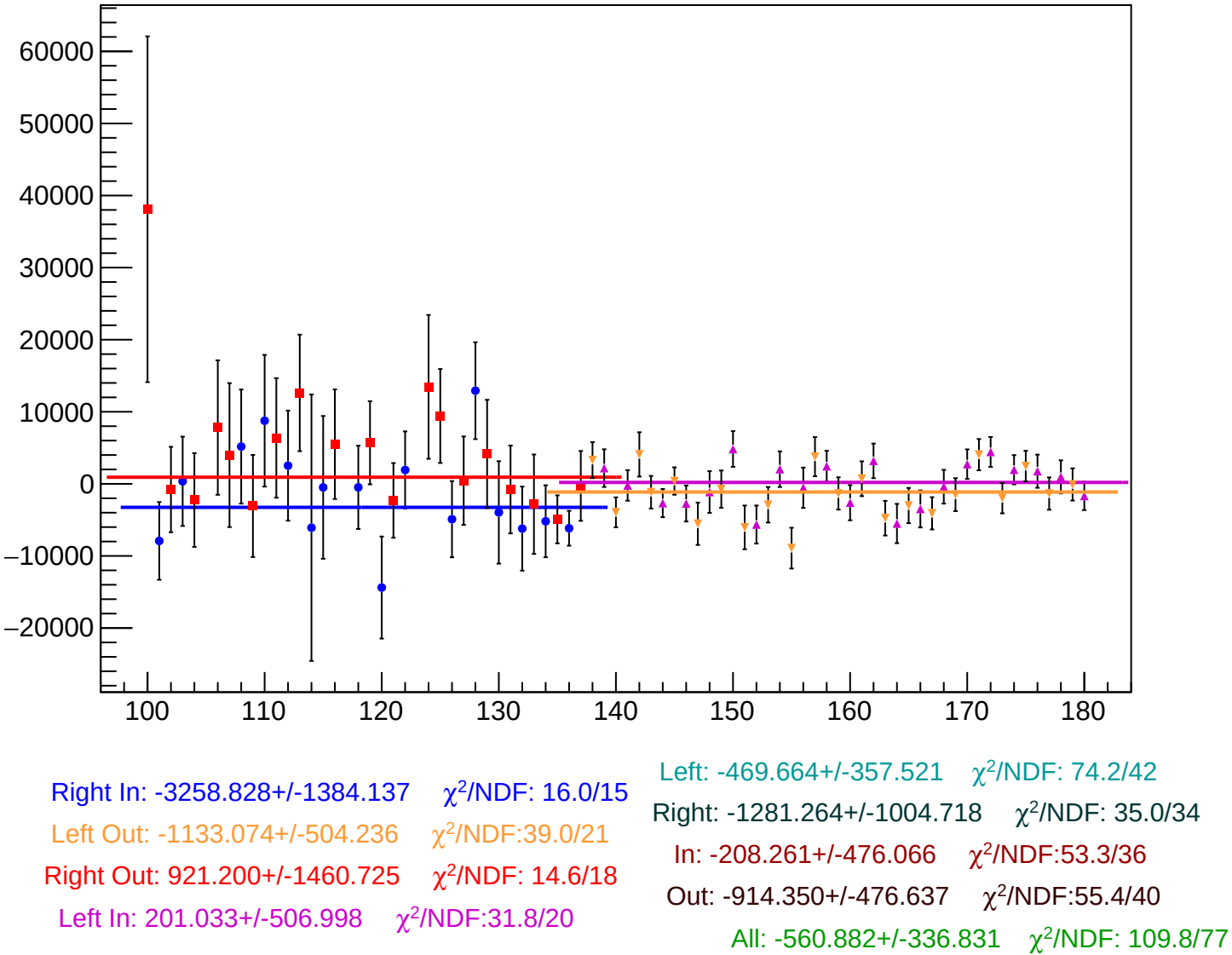
Left: 289.663+/-0.035 χ^2/NDF: 548316.8/42

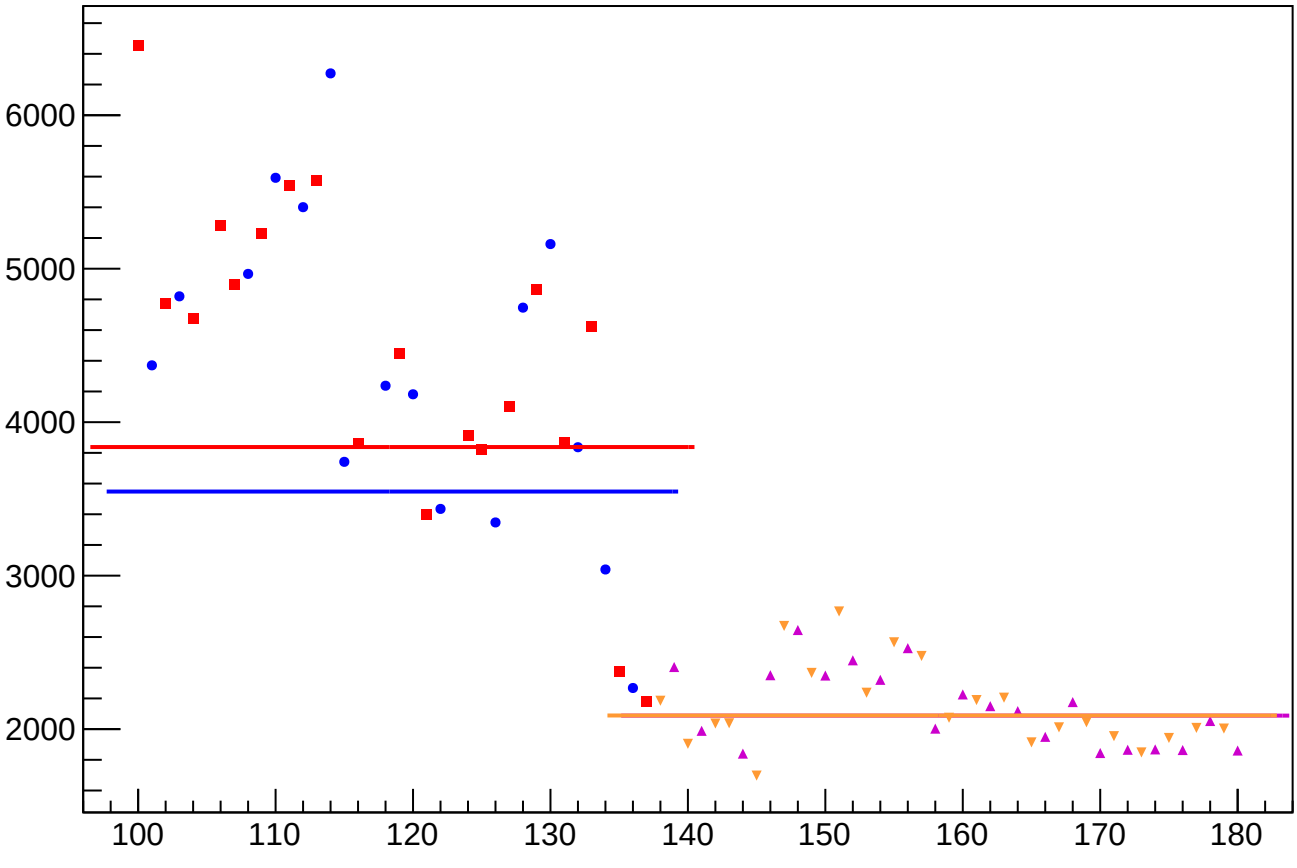
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 302.315+/-0.044 χ^2/NDF:1322491.6/36

Out: 303.020+/-0.044 χ^2/NDF:1503317.4/40

All: 302.669+/-0.031 χ^2/NDF: 2825938.8/77


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1133.074+/-504.236 χ²/NDF:39.0/21
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: 201.033+/-506.998 χ²/NDF:31.8/20
Left: -469.664+/-357.521 χ²/NDF: 74.2/42
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -208.261+/-476.066 χ²/NDF:53.3/36
Out: -914.350+/-476.637 χ²/NDF:55.4/40
All: -560.882+/-336.831 χ²/NDF: 109.8/77



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482357.1/21

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2088.015+/-0.359 χ^2/NDF:430209.3/20

Left: 2088.438+/-0.253 χ^2/NDF: 912569.1/42

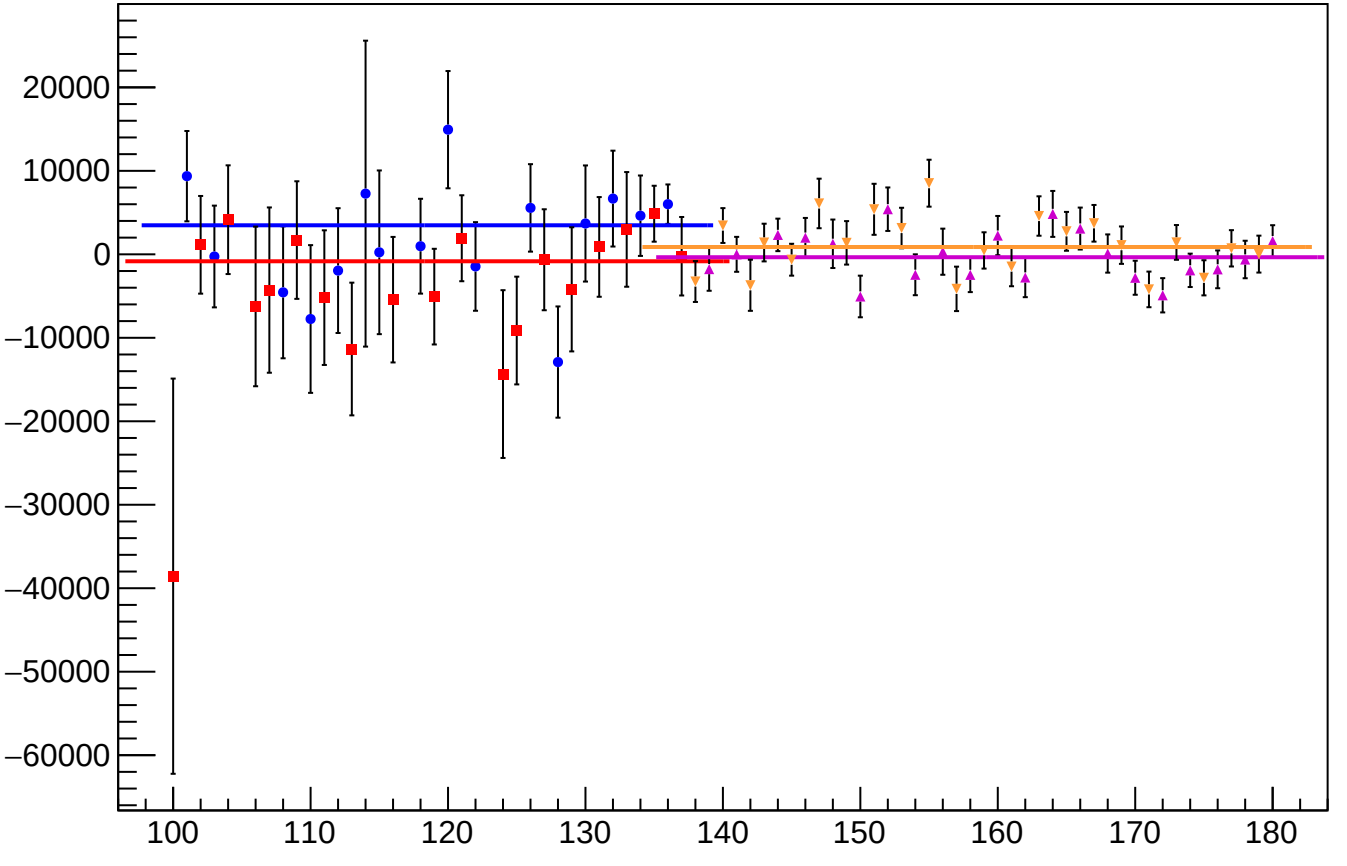
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2260.724+/-0.337 χ^2/NDF:3650552.1/36

Out: 2275.089+/-0.337 χ^2/NDF:4200505.0/40

All: 2267.898+/-0.238 χ^2/NDF: 7851966.6/77

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 876.530+/-497.921 χ^2/NDF:39.2/21

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -347.073+/-498.820 χ^2/NDF:30.0/20

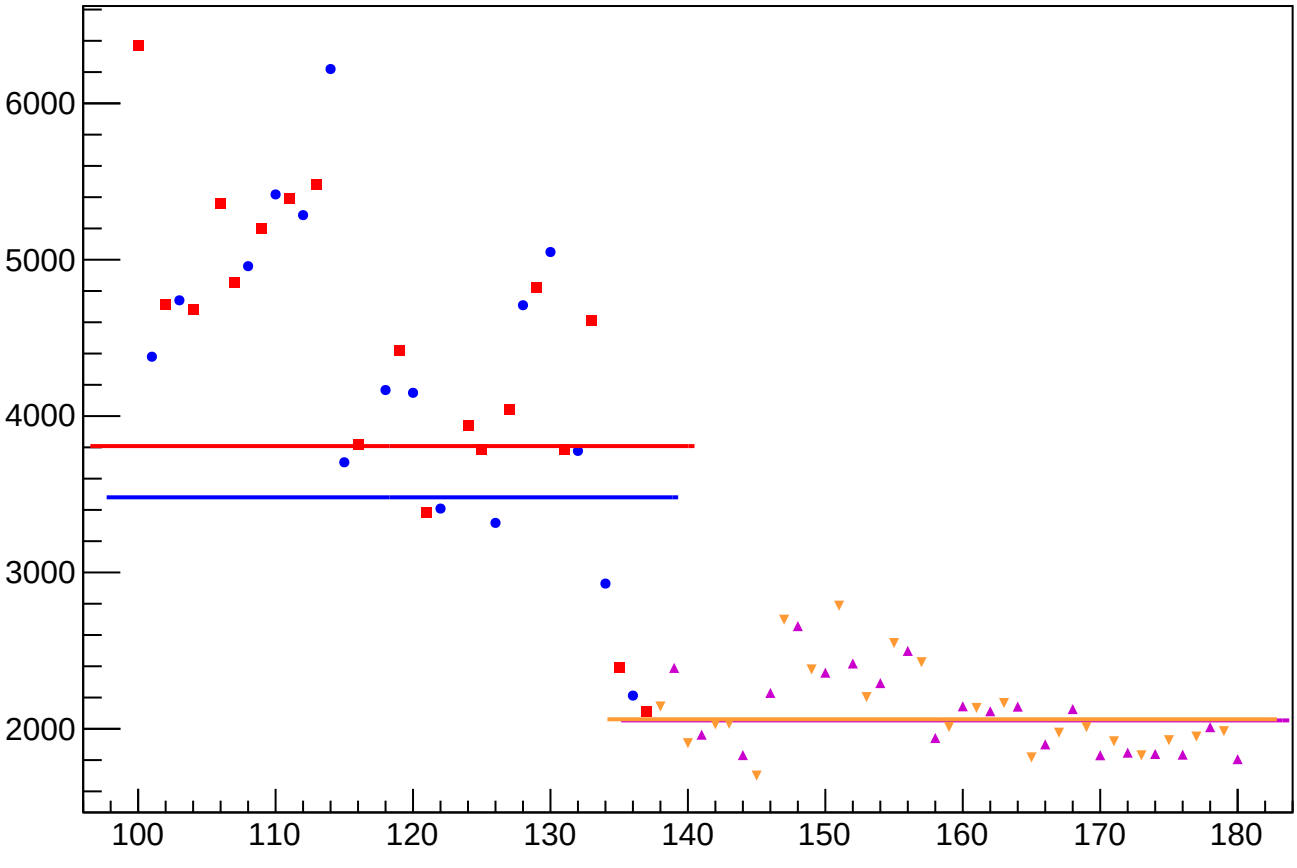
Left: 265.833+/-352.401 χ^2/NDF: 72.2/42

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 106.322+/-468.328 χ^2/NDF:53.3/36

Out: 696.173+/-470.916 χ^2/NDF:54.5/40

All: 399.622+/-332.069 χ^2/NDF: 108.6/77



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2060.962+/-0.352 χ^2/NDF:505804.5/21

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2053.801+/-0.353 χ^2/NDF:442541.9/20

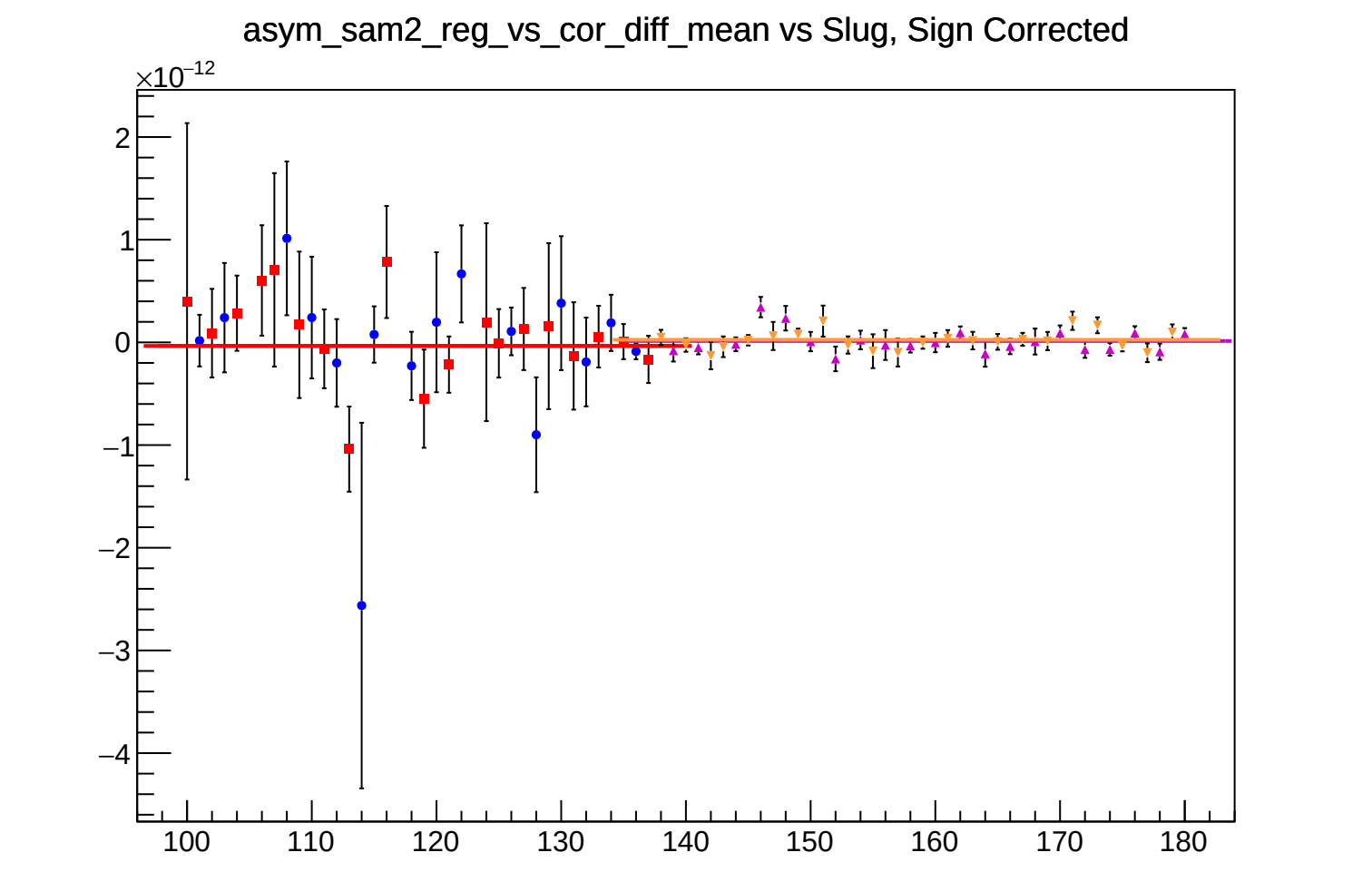
Left: 2057.388+/-0.249 χ^2/NDF: 948552.9/42

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2222.902+/-0.331 χ^2/NDF:3678450.1/36

Out: 2245.337+/-0.333 χ^2/NDF:4252042.6/40

All: 2234.058+/-0.235 χ^2/NDF: 7932774.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:30.6/20

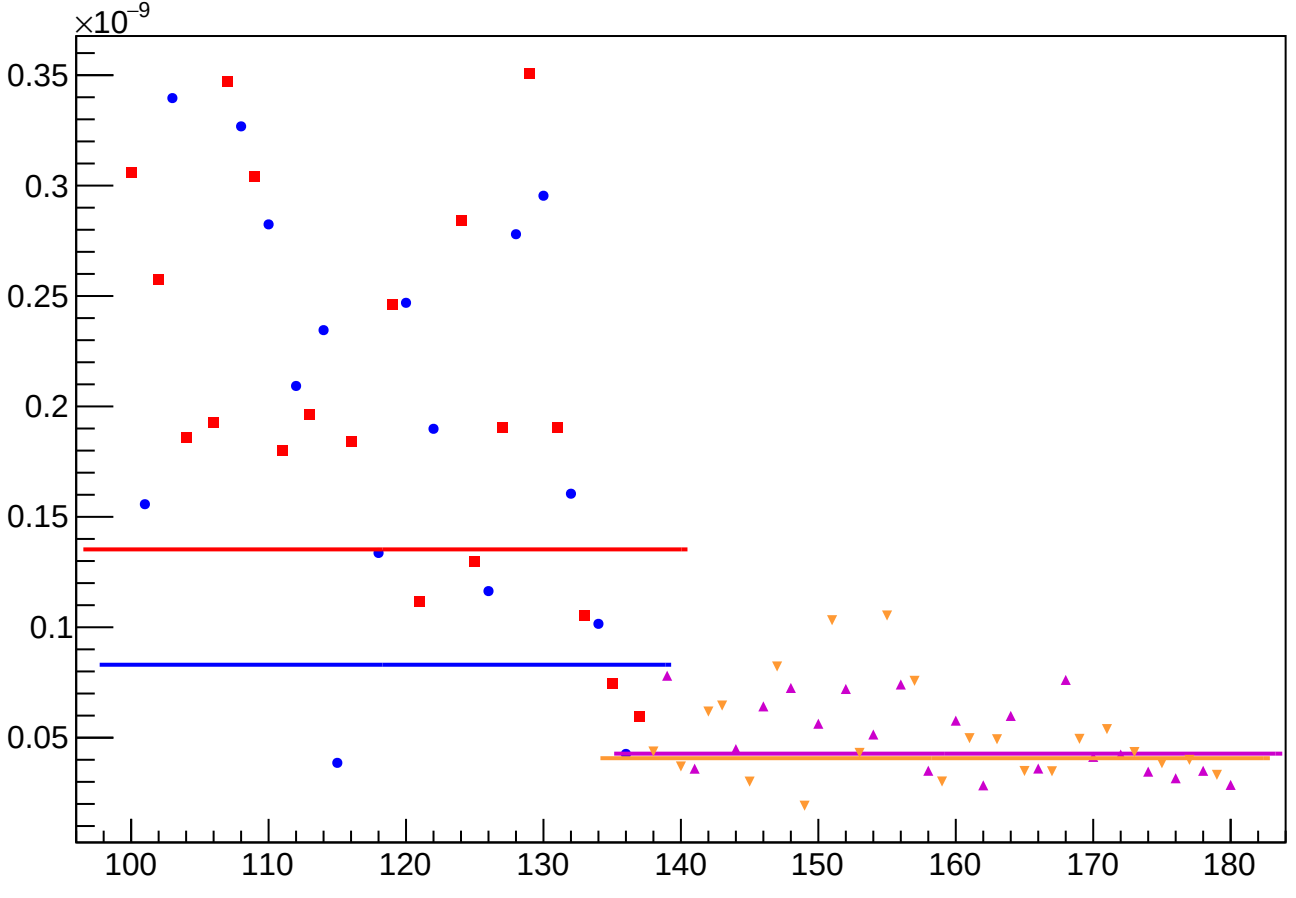
Left: 0.000+/-0.000 χ^2/NDF: 49.3/42

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:43.1/36

Out: 0.000+/-0.000 χ^2/NDF:32.5/40

All: 0.000+/-0.000 χ^2/NDF: 75.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1746728.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1336522.7/20

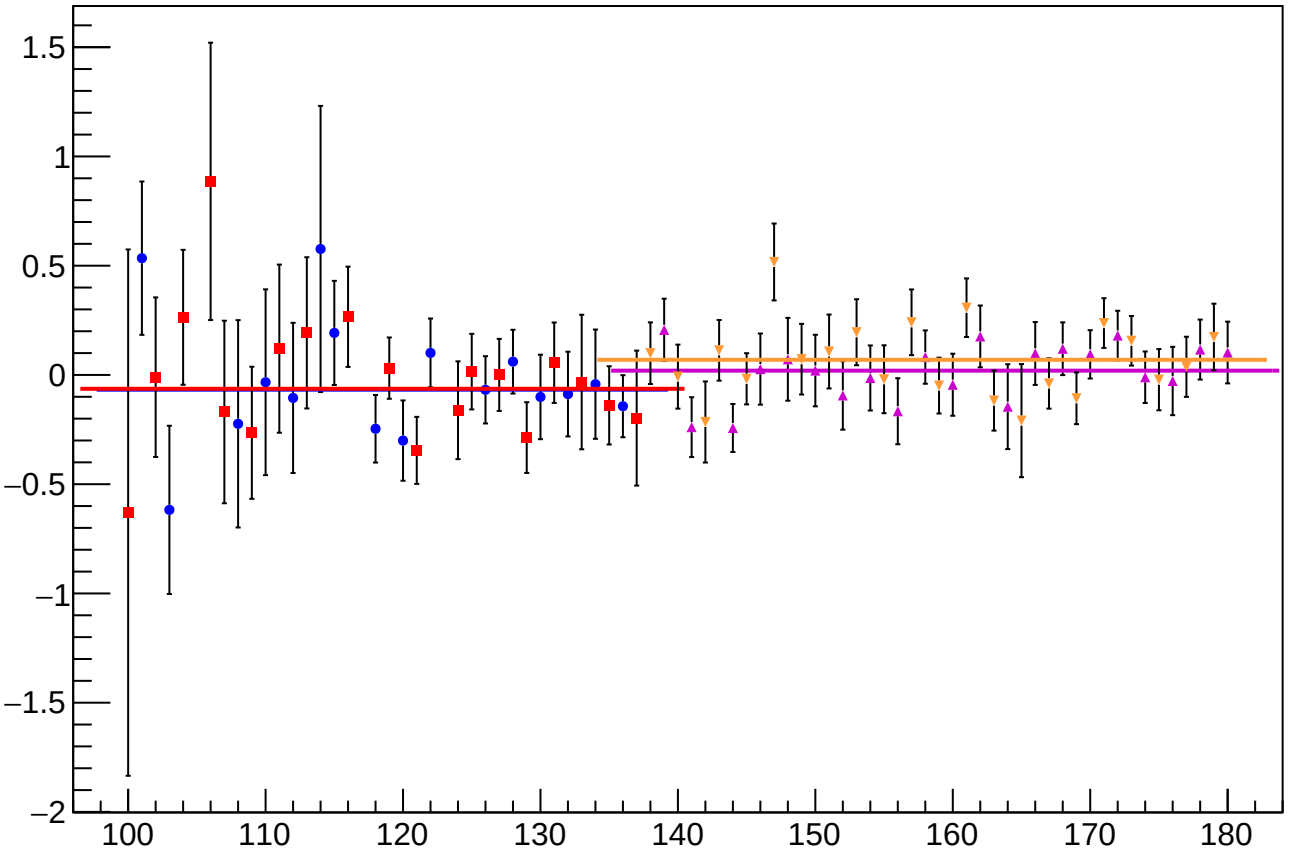
Left: 0.000+/-0.000 χ^2/NDF: 3097810.2/42

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4852920.2/36

Out: 0.000+/-0.000 χ^2/NDF:5540512.3/40

All: 0.000+/-0.000 χ^2/NDF: 10403913.8/77



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.020+/-0.030 χ^2/NDF:20.0/20

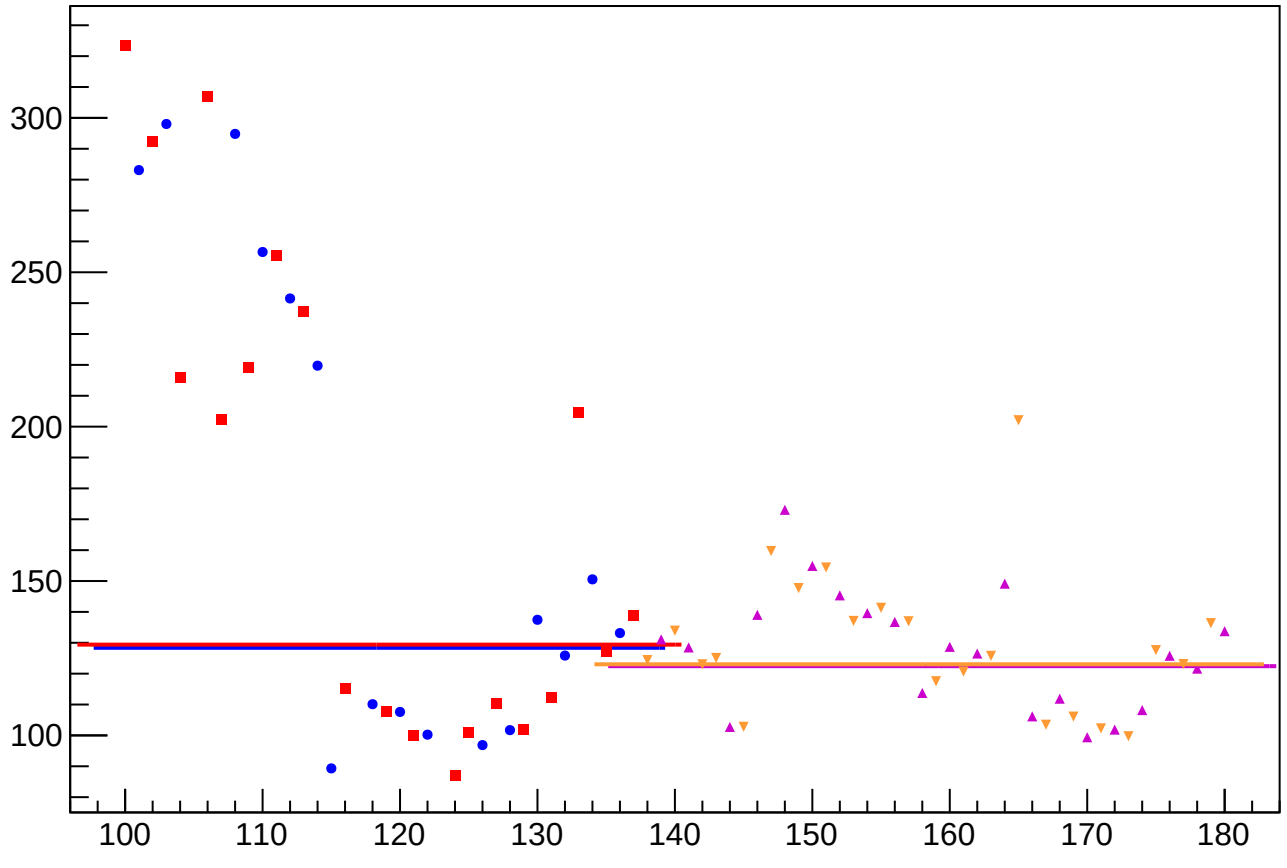
Left: 0.045+/-0.021 χ^2/NDF: 47.4/42

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.6/36

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.017+/-0.018 χ^2/NDF: 80.6/77



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

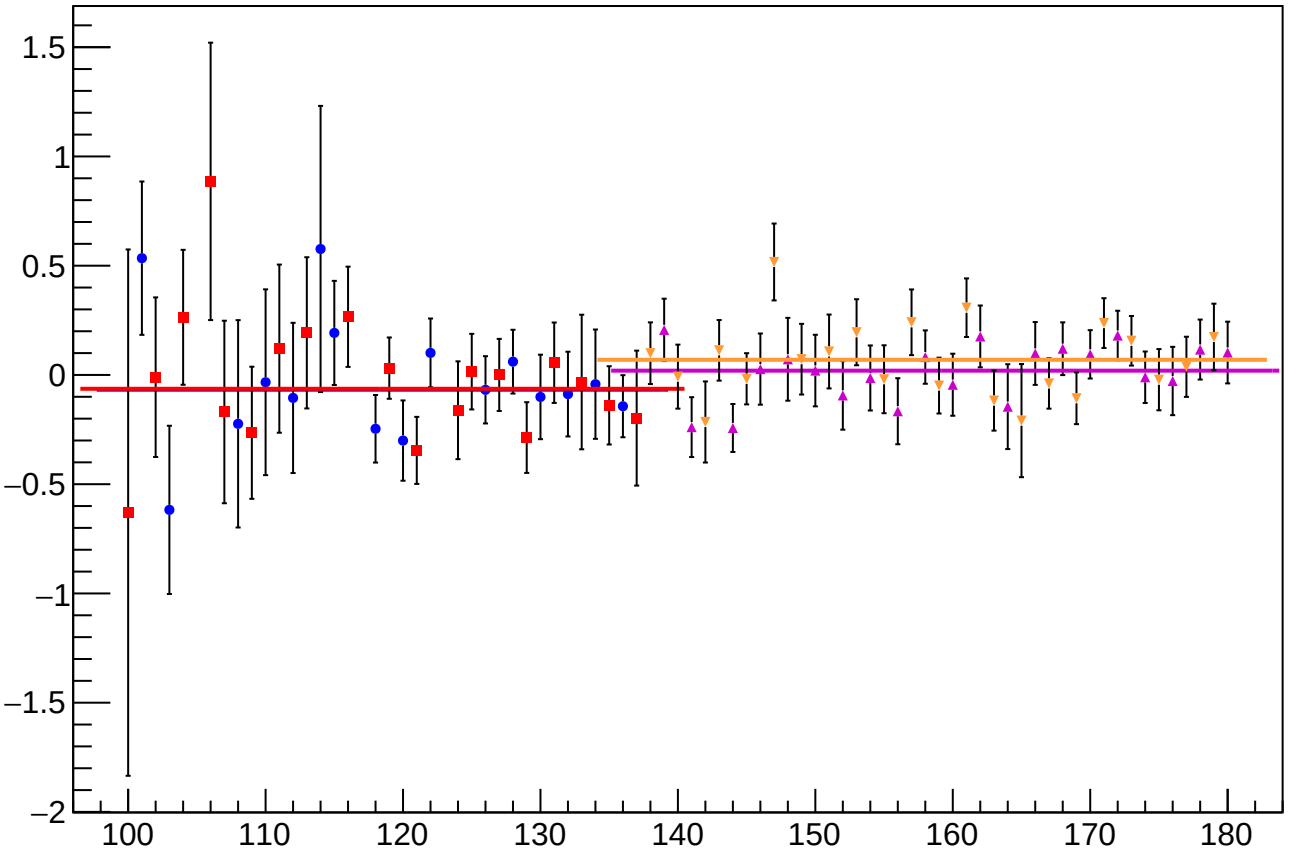
Left: 122.731+/-0.015 χ^2/NDF: 1489453.2/42

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.928+/-0.018 χ^2/NDF:2519589.0/36

Out: 124.634+/-0.018 χ^2/NDF:2705346.0/40

All: 124.283+/-0.013 χ^2/NDF: 5225675.0/77



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.020+/-0.030 χ^2/NDF:20.0/20

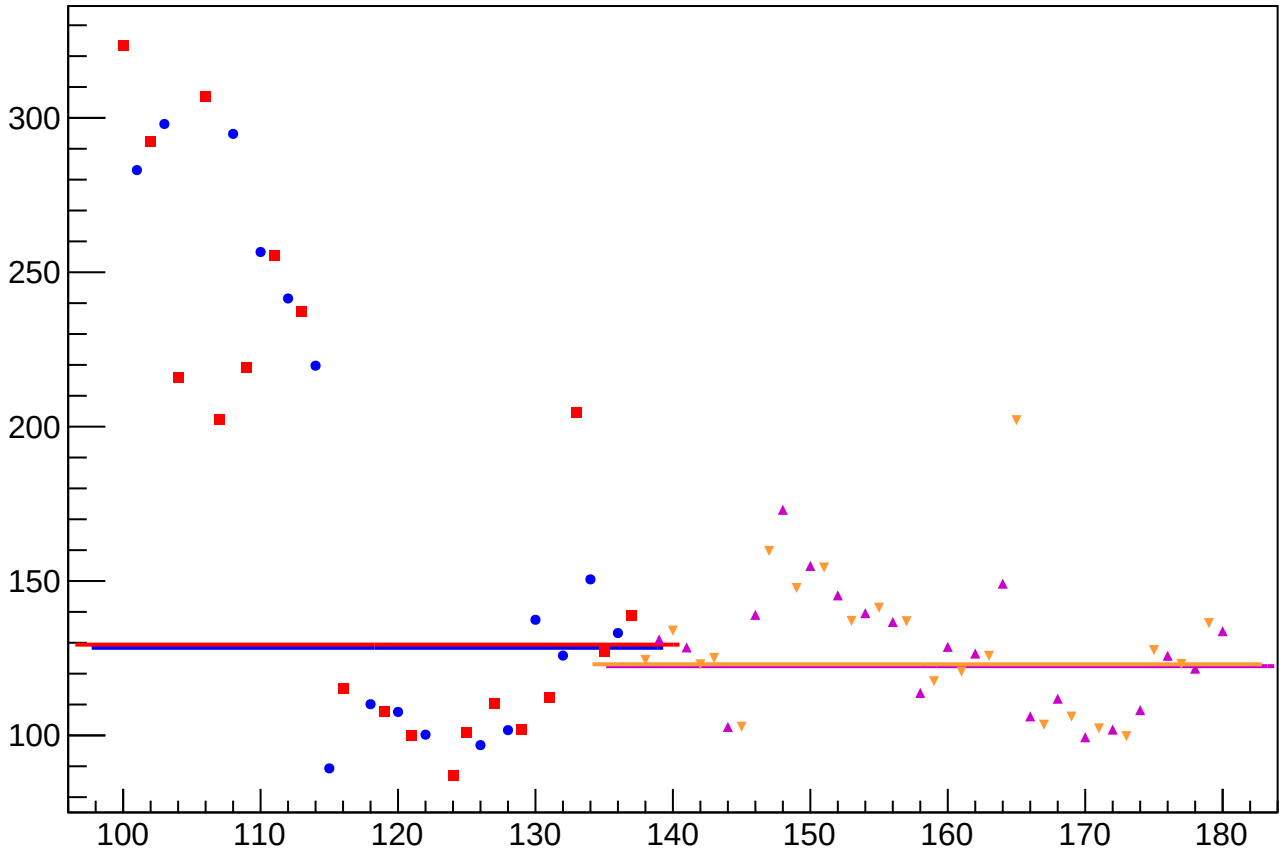
Left: 0.045+/-0.021 χ^2/NDF: 47.4/42

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.6/36

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.017+/-0.018 χ^2/NDF: 80.6/77



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.423+/-0.021 χ^2/NDF:694722.1/20

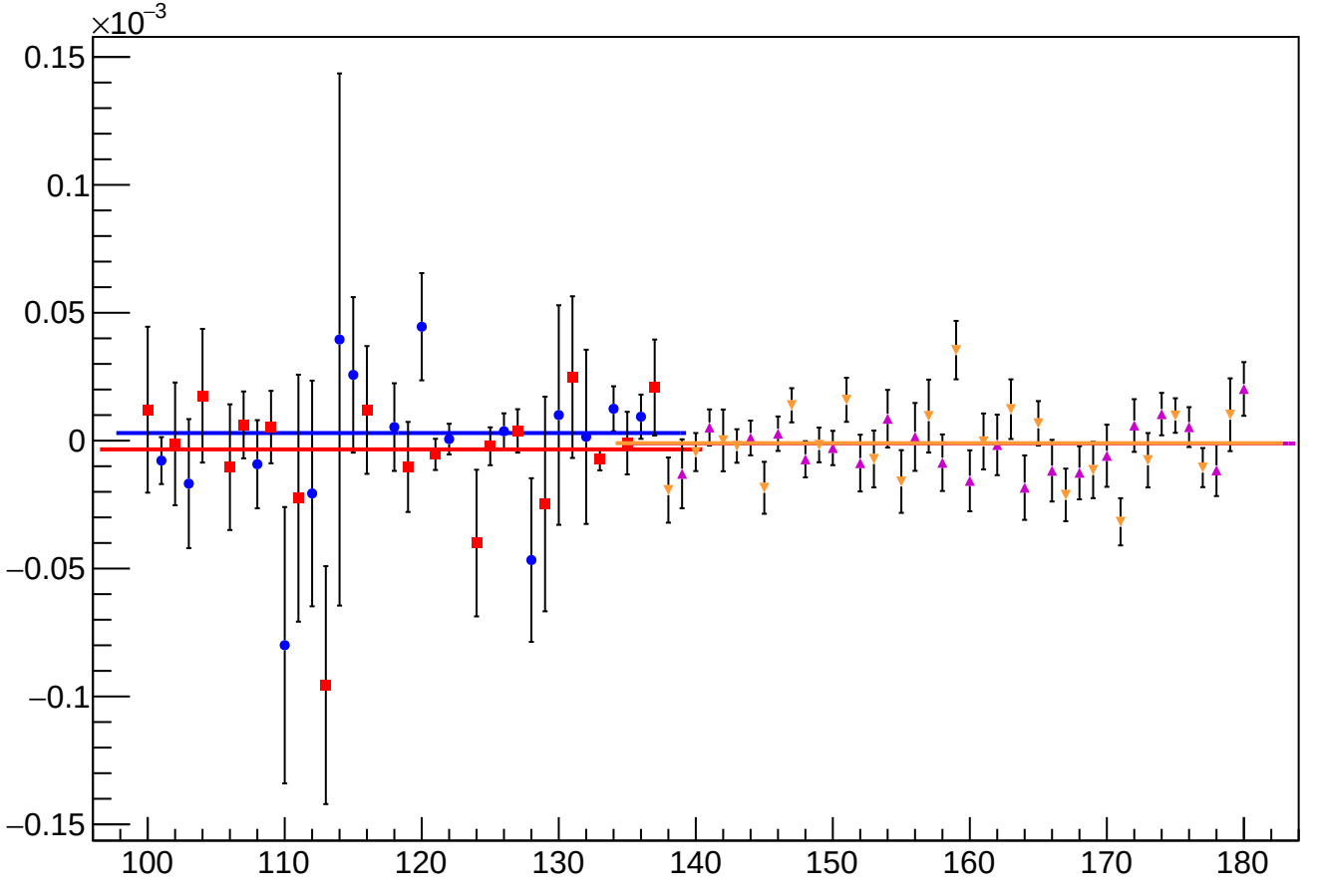
Left: 122.731+/-0.015 χ^2/NDF: 1489453.2/42

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.928+/-0.018 χ^2/NDF:2519589.0/36

Out: 124.634+/-0.018 χ^2/NDF:2705346.0/40

All: 124.283+/-0.013 χ^2/NDF: 5225675.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/20

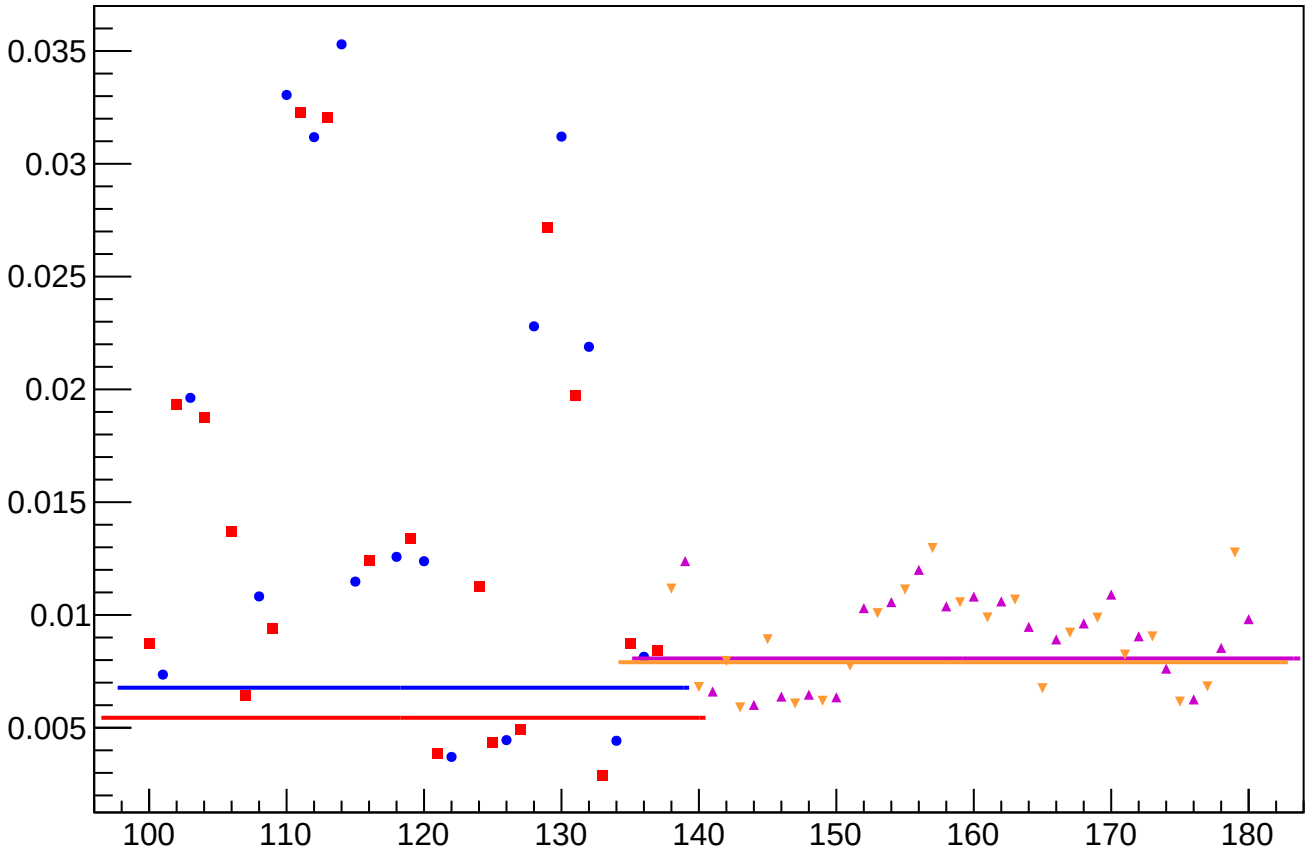
Left: -0.000+/-0.000 χ^2/NDF: 68.1/42

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:33.6/36

Out: -0.000+/-0.000 χ^2/NDF:62.9/40

All: -0.000+/-0.000 χ^2/NDF: 97.2/77



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1980071.5/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1855053.8/20

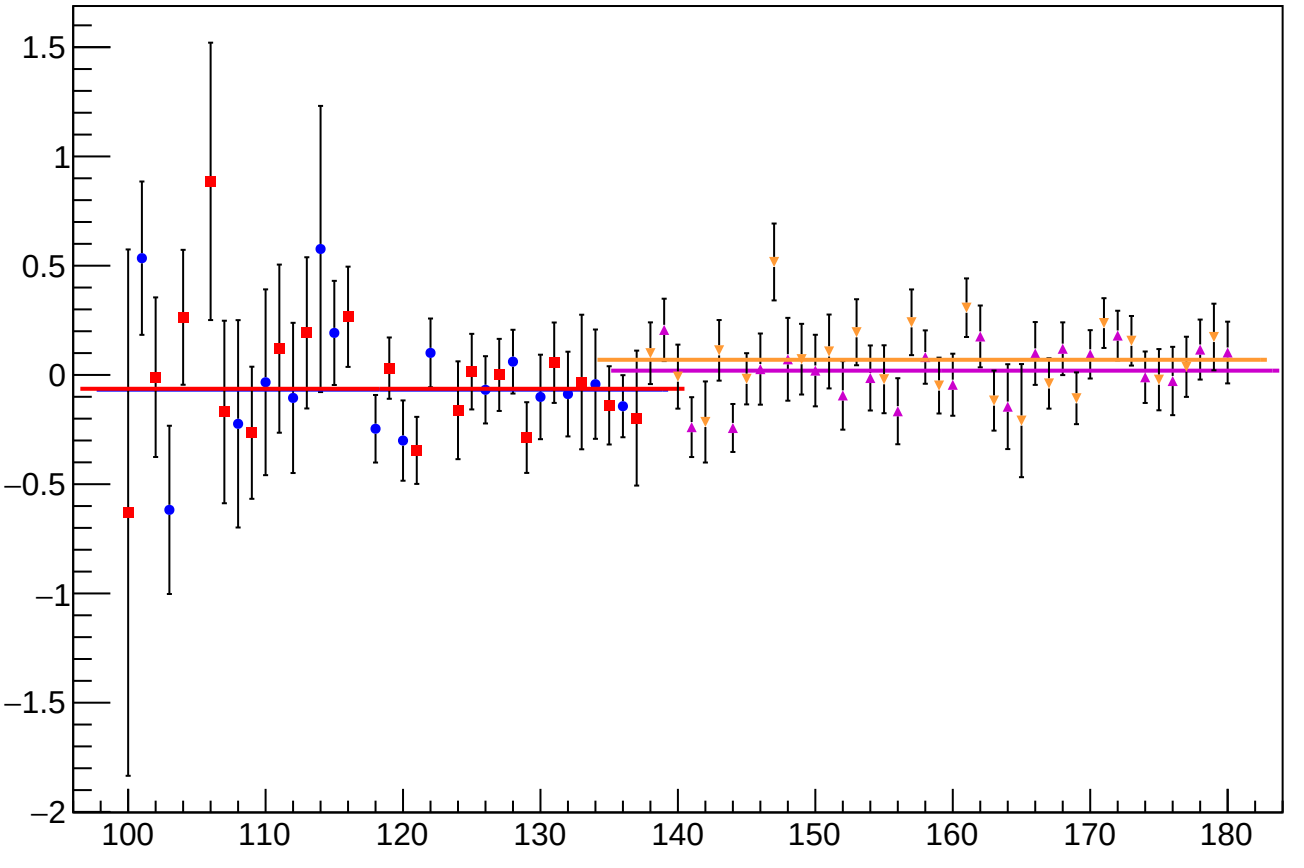
Left: 0.008+/-0.000 χ^2/NDF: 3842110.9/42

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6868067.7/36

Out: 0.007+/-0.000 χ^2/NDF:8699465.4/40

All: 0.007+/-0.000 χ^2/NDF: 15741154.2/77



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.020+/-0.030 χ^2/NDF:20.0/20

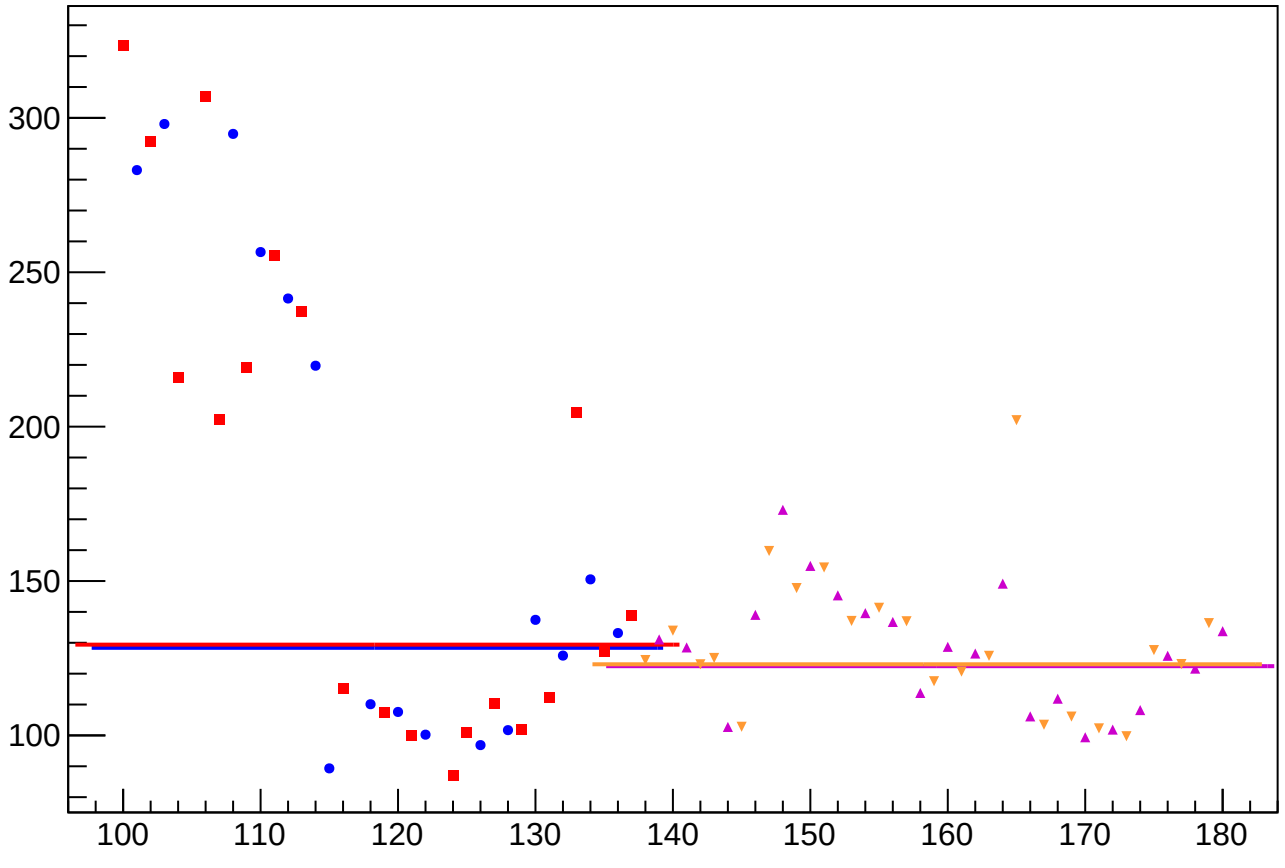
Left: 0.045+/-0.021 χ^2/NDF: 47.4/42

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.6/36

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.017+/-0.018 χ^2/NDF: 80.6/77



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

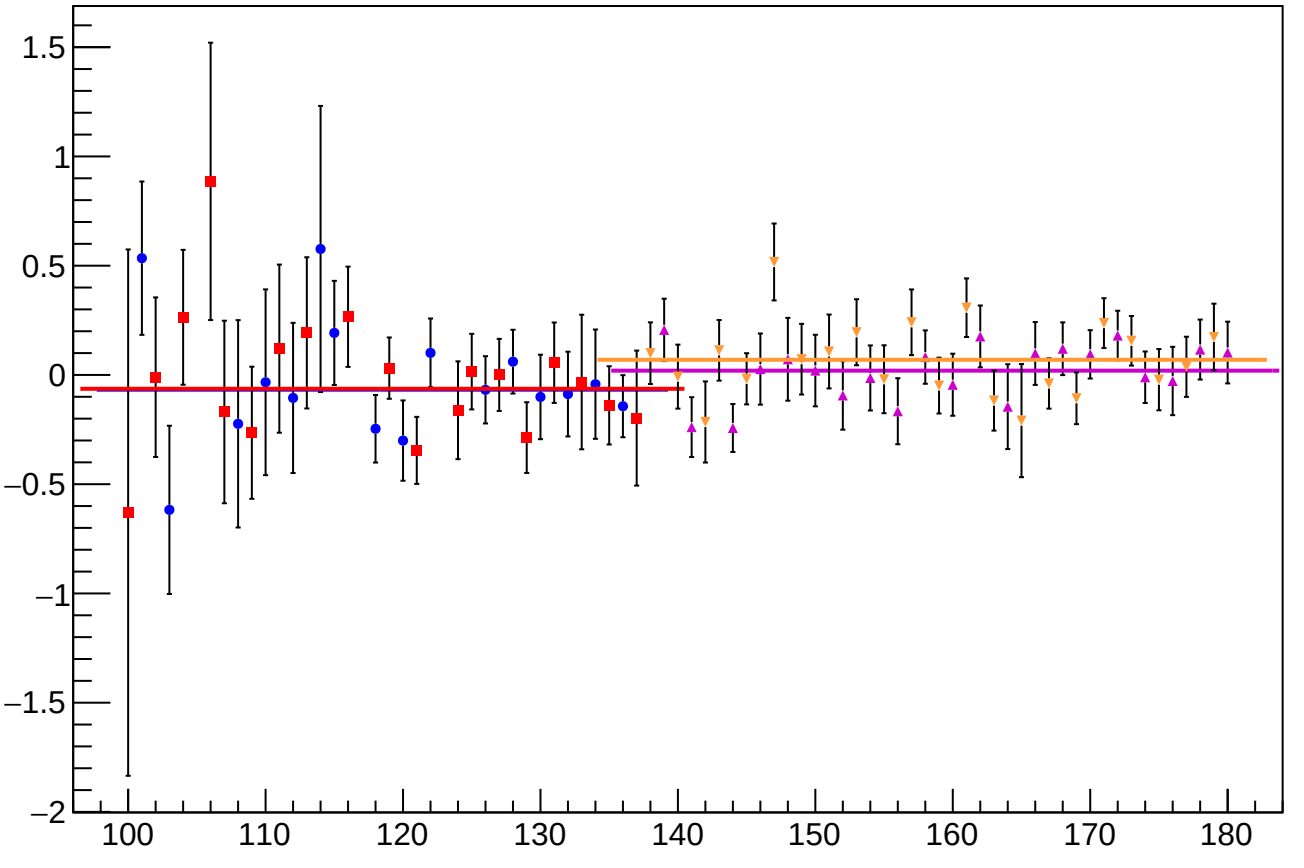
Left: 122.731+/-0.015 χ^2/NDF: 1489535.2/42

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.927+/-0.018 χ^2/NDF:2519547.8/36

Out: 124.633+/-0.018 χ^2/NDF:2705379.5/40

All: 124.282+/-0.013 χ^2/NDF: 5225667.4/77



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.020+/-0.030 χ^2/NDF:20.0/20

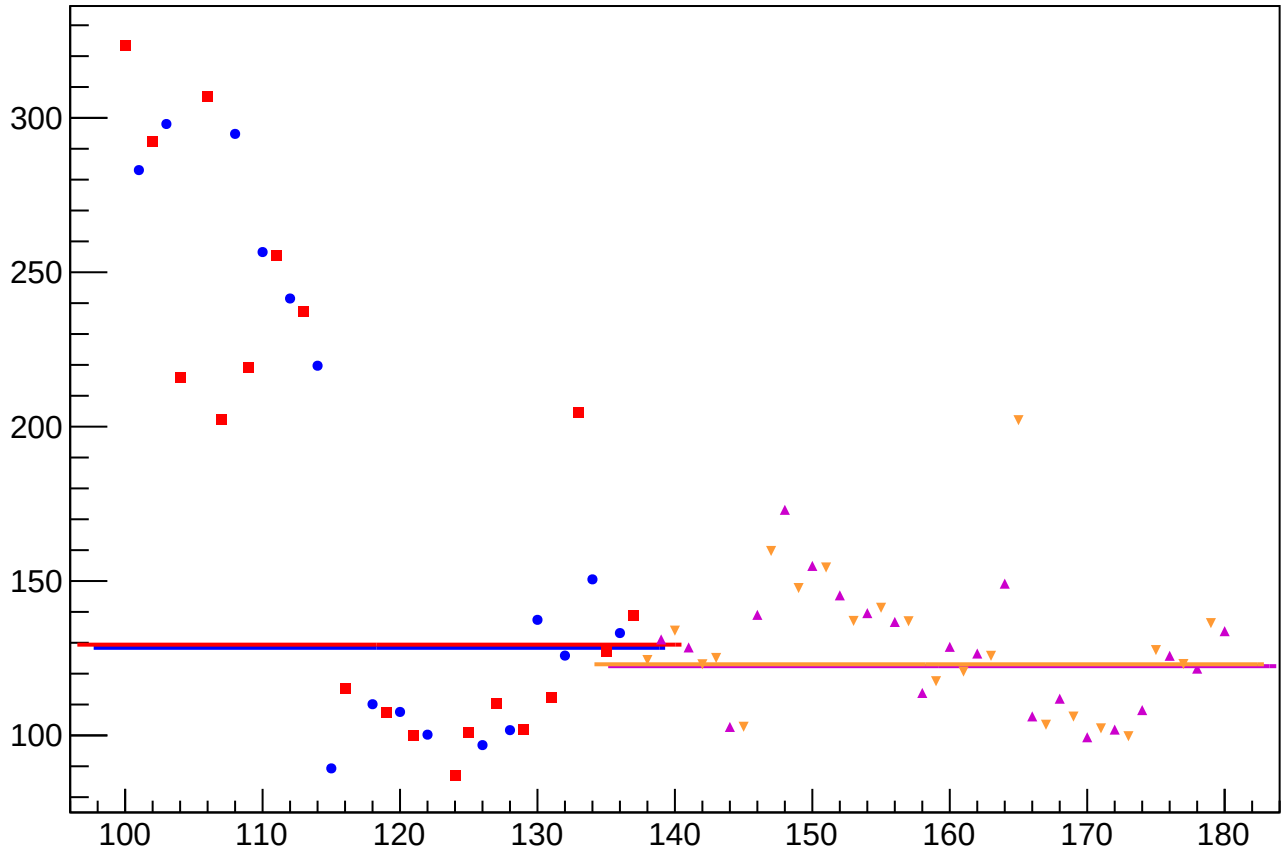
Left: 0.045+/-0.021 χ^2/NDF: 47.4/42

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.002+/-0.026 χ^2/NDF:34.6/36

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.017+/-0.018 χ^2/NDF: 80.6/77



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.423+/-0.021 χ^2/NDF:694750.9/20

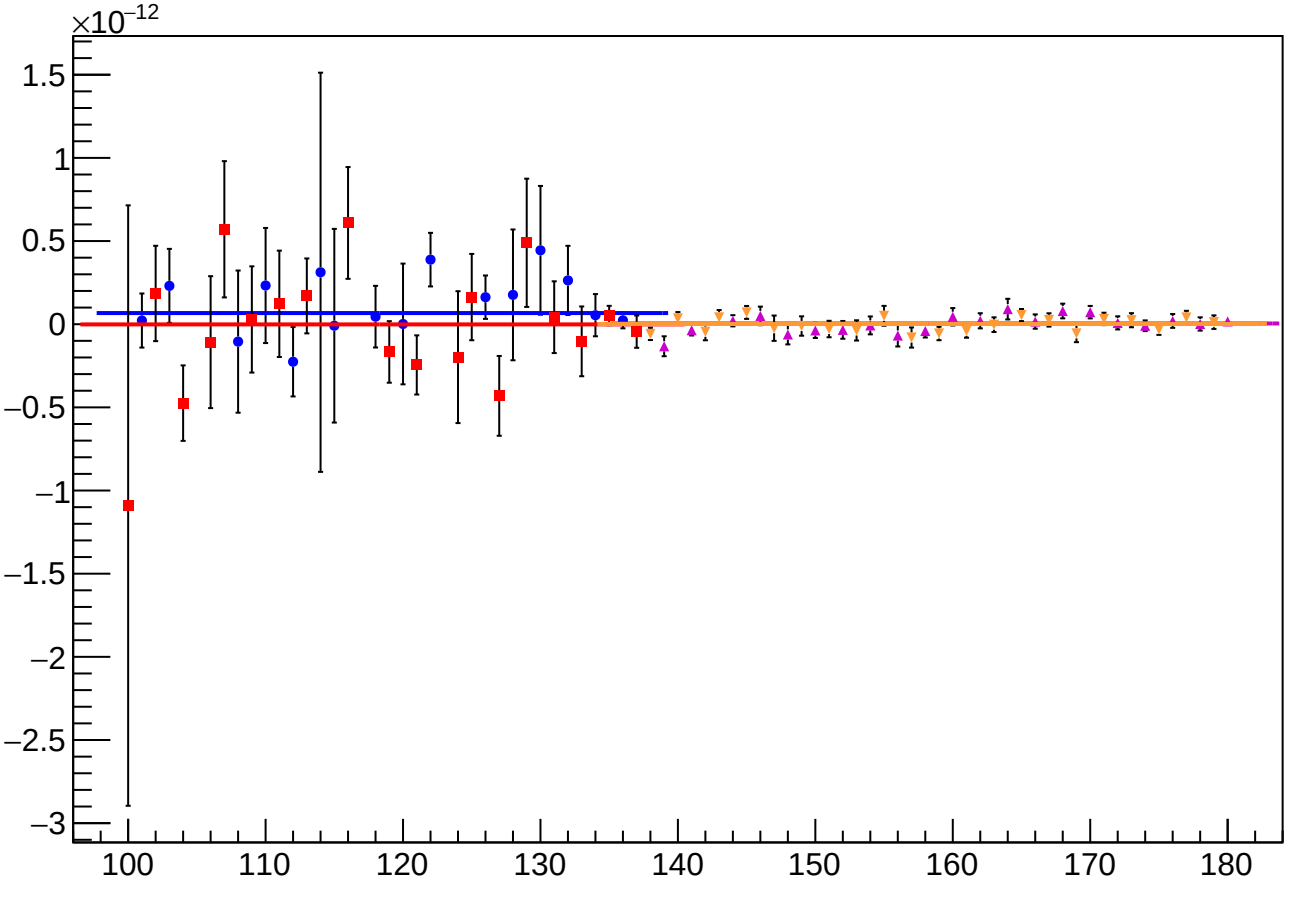
Left: 122.731+/-0.015 χ^2/NDF: 1489535.2/42

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.927+/-0.018 χ^2/NDF:2519547.8/36

Out: 124.633+/-0.018 χ^2/NDF:2705379.5/40

All: 124.282+/-0.013 χ^2/NDF: 5225667.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/20

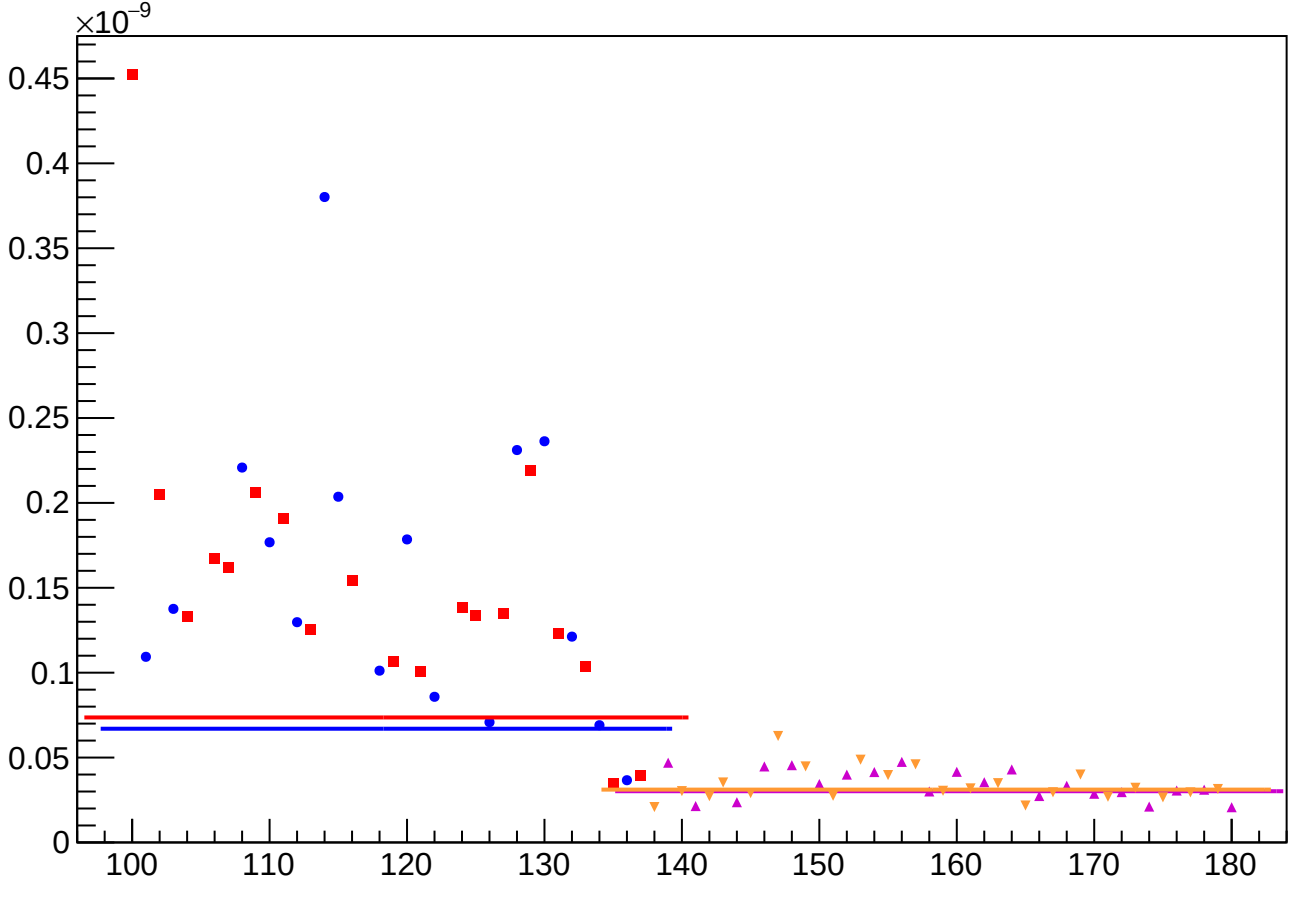
Left: 0.000+/-0.000 χ^2/NDF: 43.6/42

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.5/36

Out: 0.000+/-0.000 χ^2/NDF:41.9/40

All: 0.000+/-0.000 χ^2/NDF: 77.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262189.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1603818.9/20

Left: 0.000+/-0.000 χ^2/NDF: 2876546.4/42

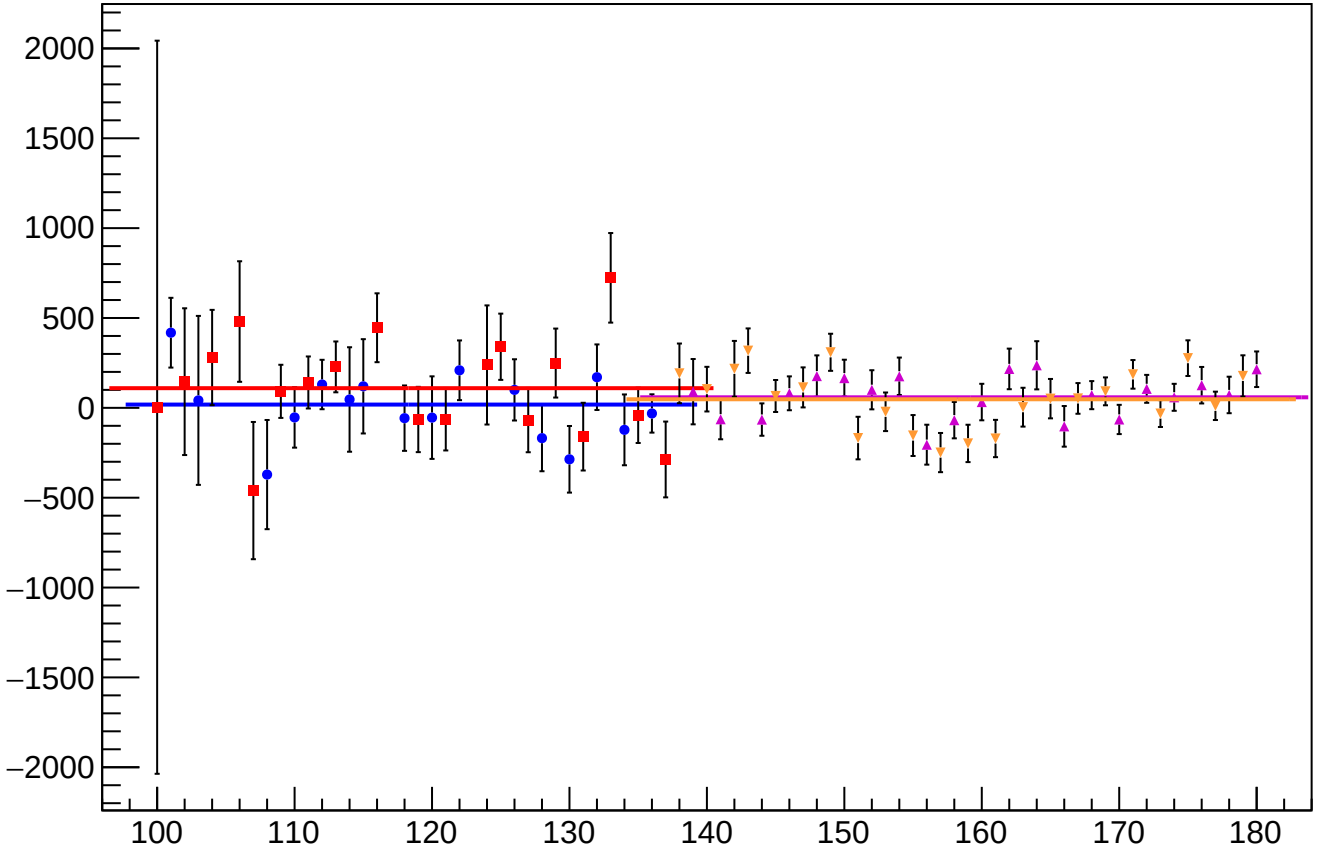
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6737218.0/36

Out: 0.000+/-0.000 χ^2/NDF:7122085.8/40

All: 0.000+/-0.000 χ^2/NDF: 13871051.5/77

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.763+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 58.631+/-21.638 χ^2/NDF:25.4/20

Left: 53.167+/-15.258 χ^2/NDF: 75.0/42

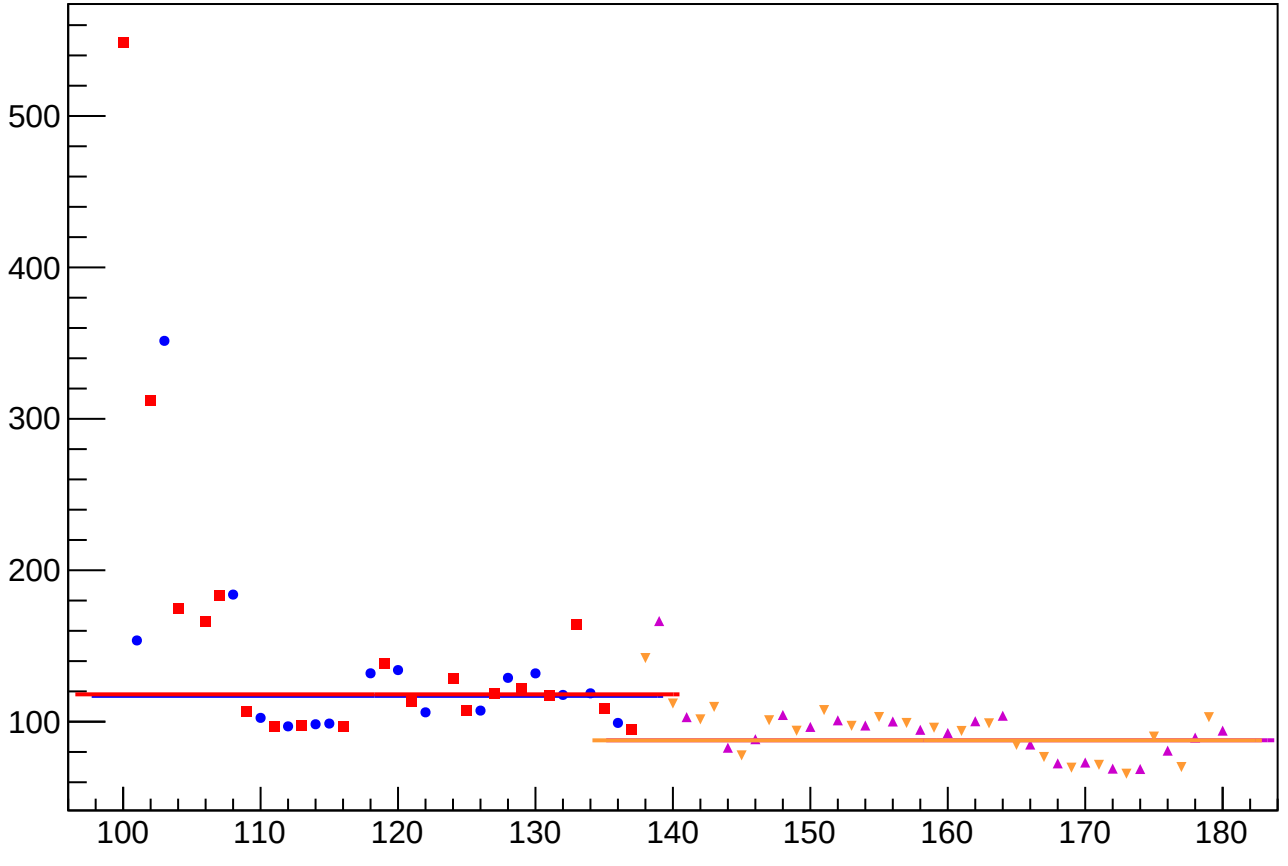
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 51.229+/-19.557 χ^2/NDF:39.9/36

Out: 58.905+/-19.477 χ^2/NDF:76.4/40

All: 55.082+/-13.801 χ^2/NDF: 116.4/77

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140036.0/21

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

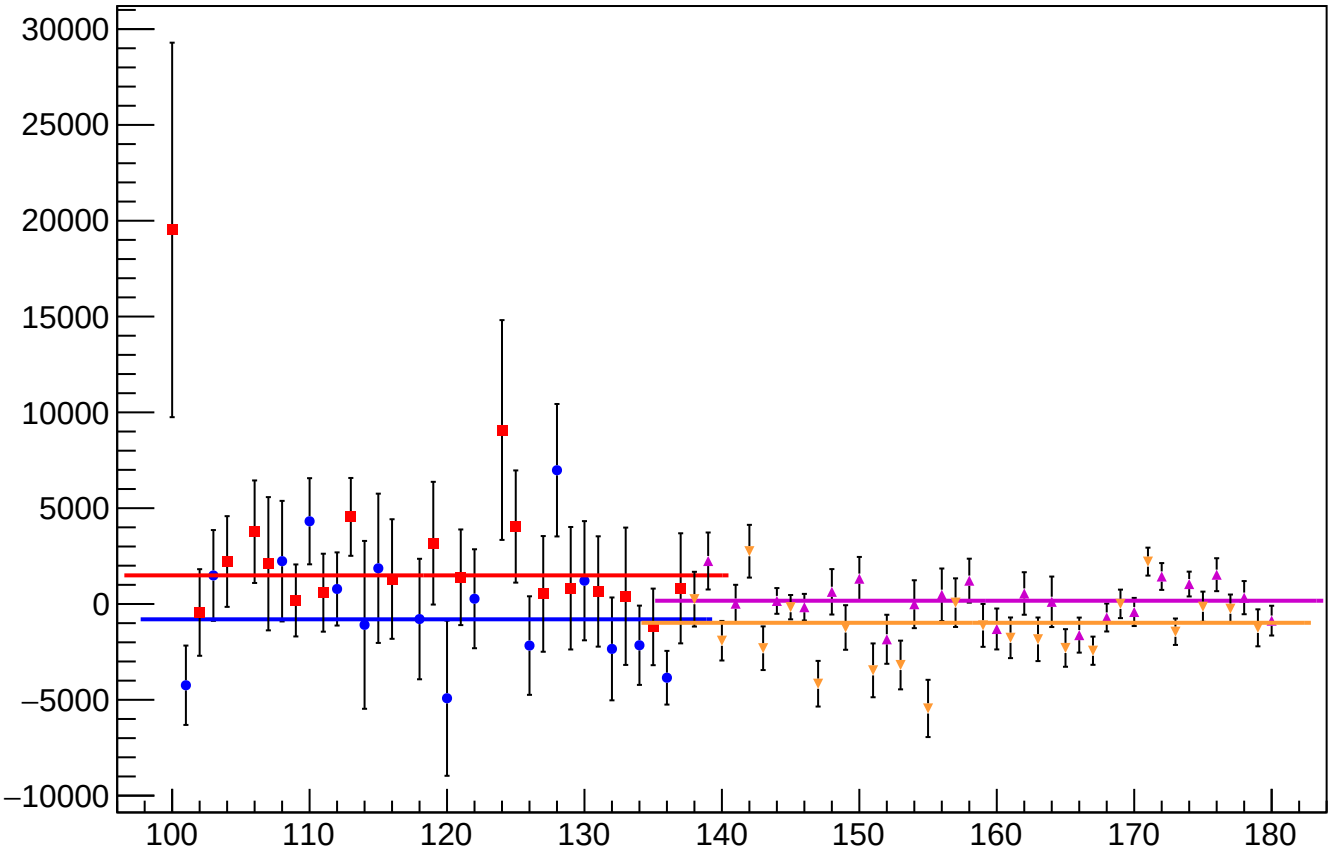
Left: 87.705+/-0.011 χ^2/NDF: 2160013.9/42

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.099+/-0.014 χ^2/NDF:2551413.2/36

Out: 93.169+/-0.014 χ^2/NDF:2850818.3/40

All: 93.134+/-0.010 χ^2/NDF: 5402244.4/77



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -981.074+/-202.046 χ^2/NDF:65.3/21

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 170.441+/-196.898 χ^2/NDF:24.1/20

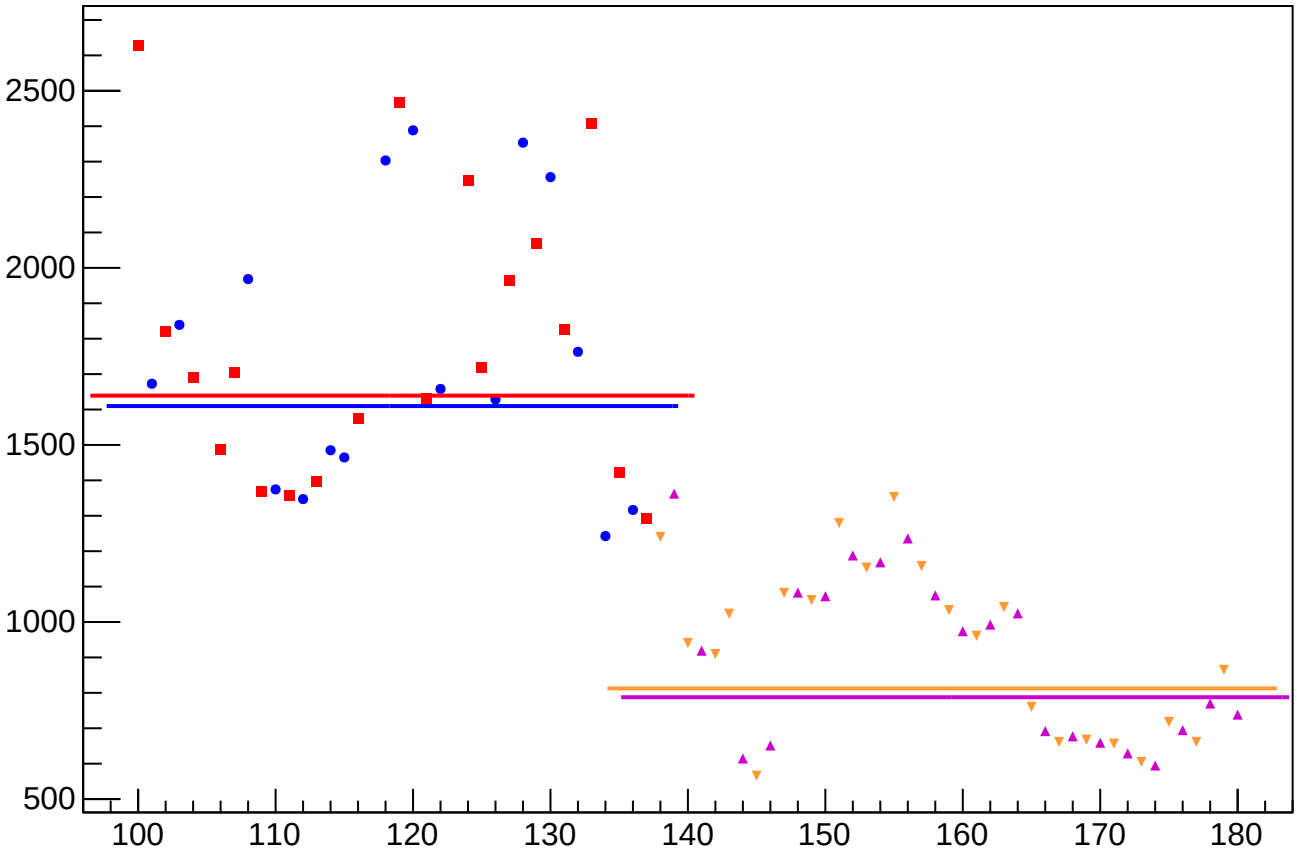
Left: -390.460+/-141.013 χ^2/NDF: 106.1/42

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 80.565+/-187.550 χ^2/NDF:49.8/36

Out: -738.615+/-191.894 χ^2/NDF:92.9/40

All: -319.648+/-134.128 χ^2/NDF: 152.0/77



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 812.508+/-0.143 χ^2/NDF:2314838.3/21

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 787.575+/-0.139 χ^2/NDF:2152664.7/20

Left: 799.720+/-0.100 χ^2/NDF: 4483123.8/42

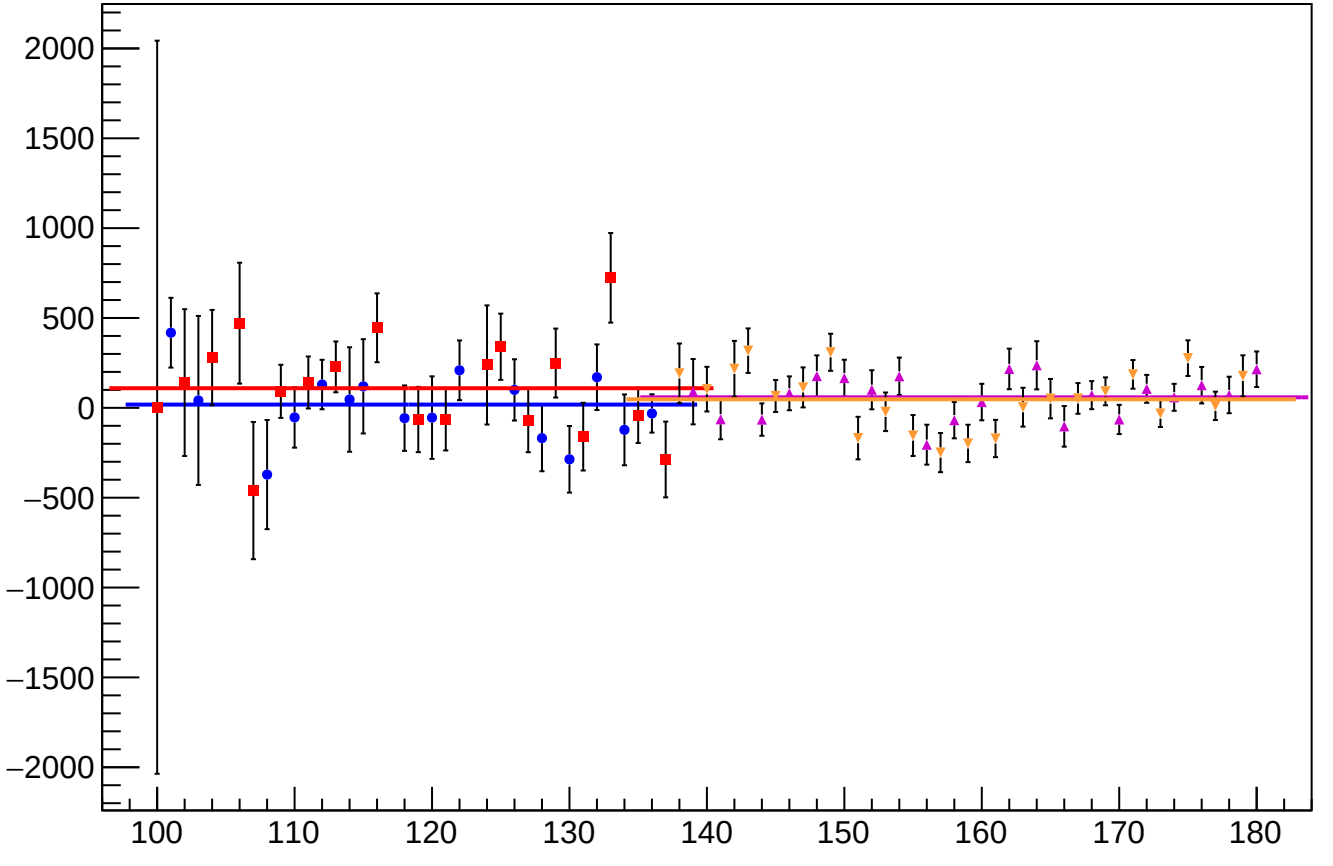
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 863.790+/-0.133 χ^2/NDF:6004530.1/36

Out: 893.498+/-0.136 χ^2/NDF:6115416.7/40

All: 878.304+/-0.095 χ^2/NDF: 12144462.2/77

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 58.633+/-21.638 χ^2/NDF:25.4/20

Left: 53.170+/-15.258 χ^2/NDF: 75.0/42

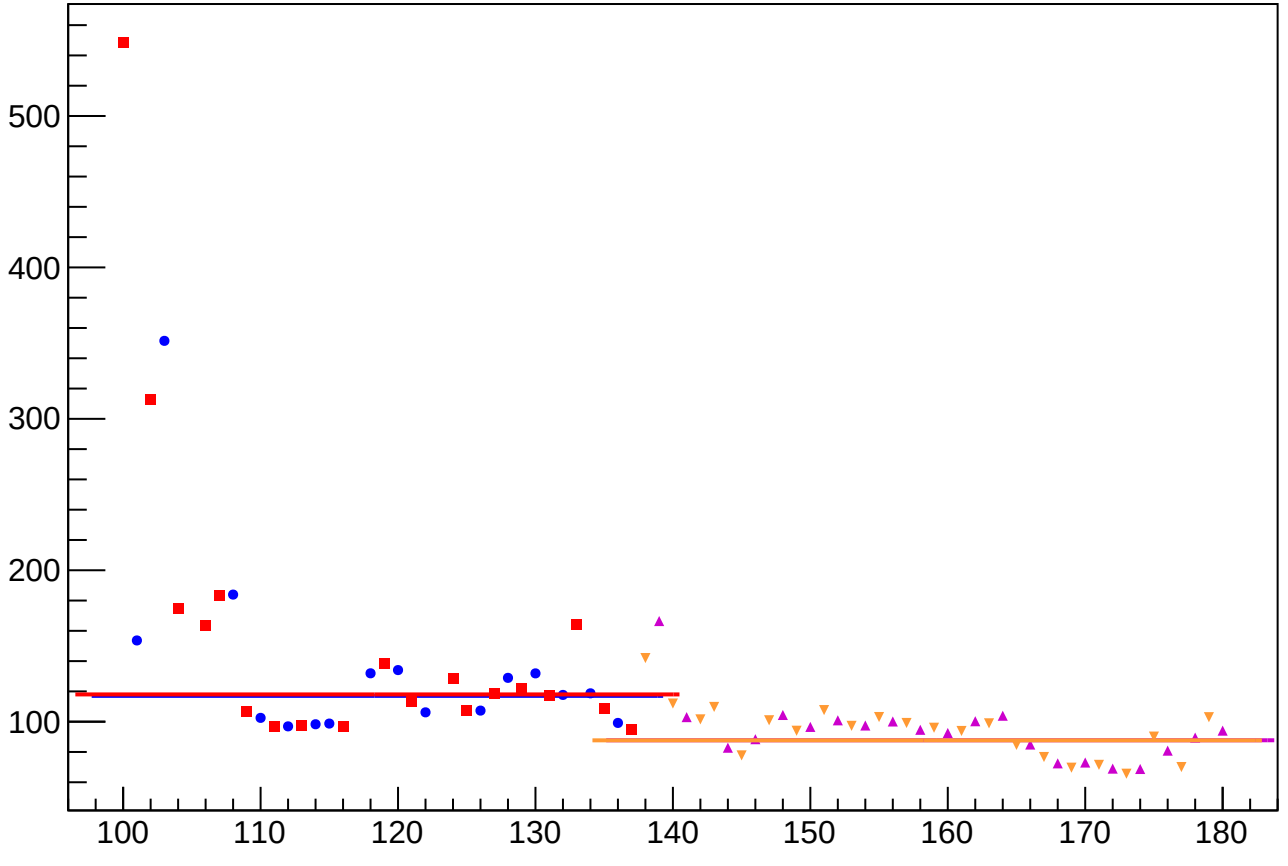
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 51.228+/-19.557 χ^2/NDF:39.9/36

Out: 58.857+/-19.478 χ^2/NDF:76.4/40

All: 55.058+/-13.801 χ^2/NDF: 116.3/77

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

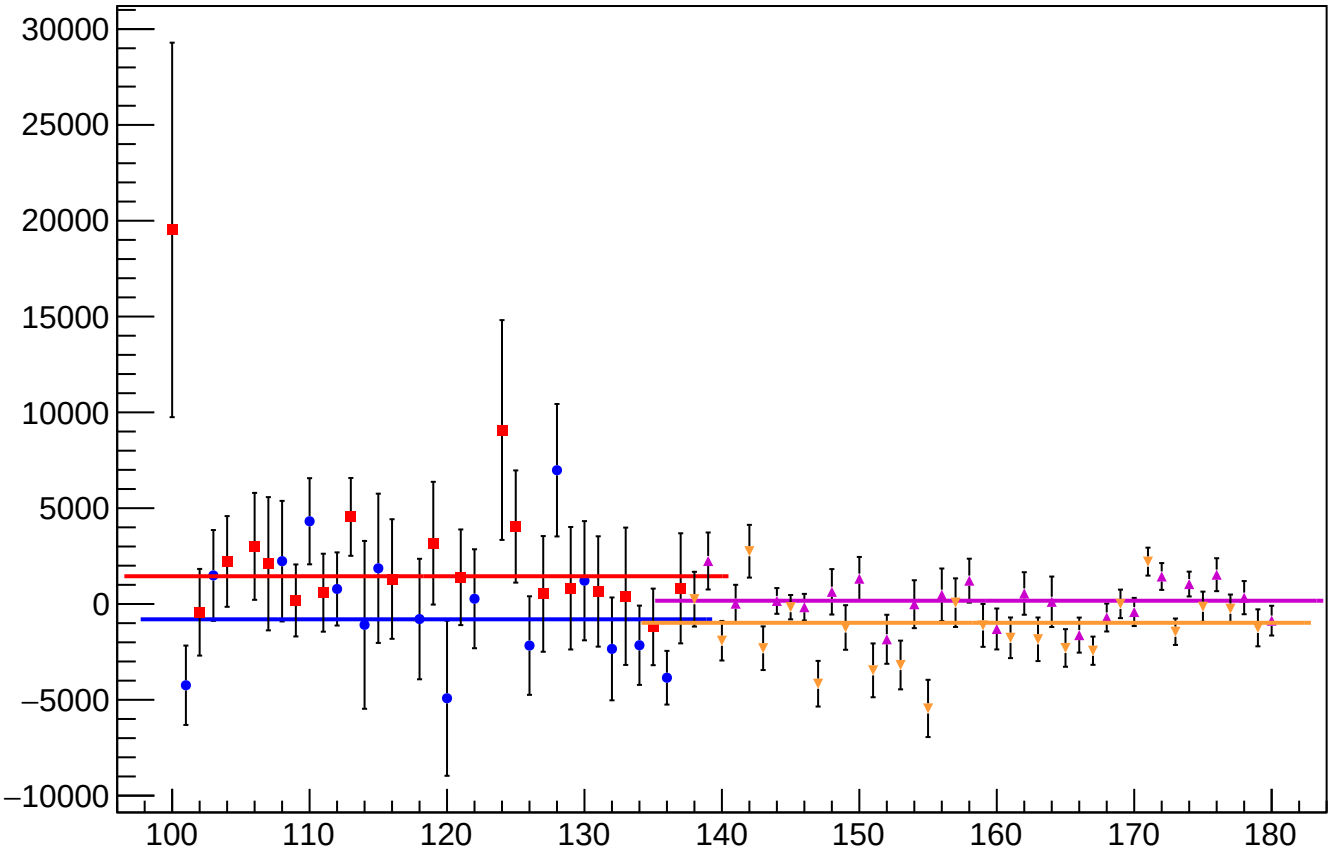
Left: 87.705+/-0.011 χ^2/NDF: 2160013.8/42

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.099+/-0.014 χ^2/NDF:2551414.8/36

Out: 93.159+/-0.014 χ^2/NDF:2844093.9/40

All: 93.129+/-0.010 χ^2/NDF: 5395518.2/77



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 170.442+/-196.898 χ^2/NDF:24.1/20

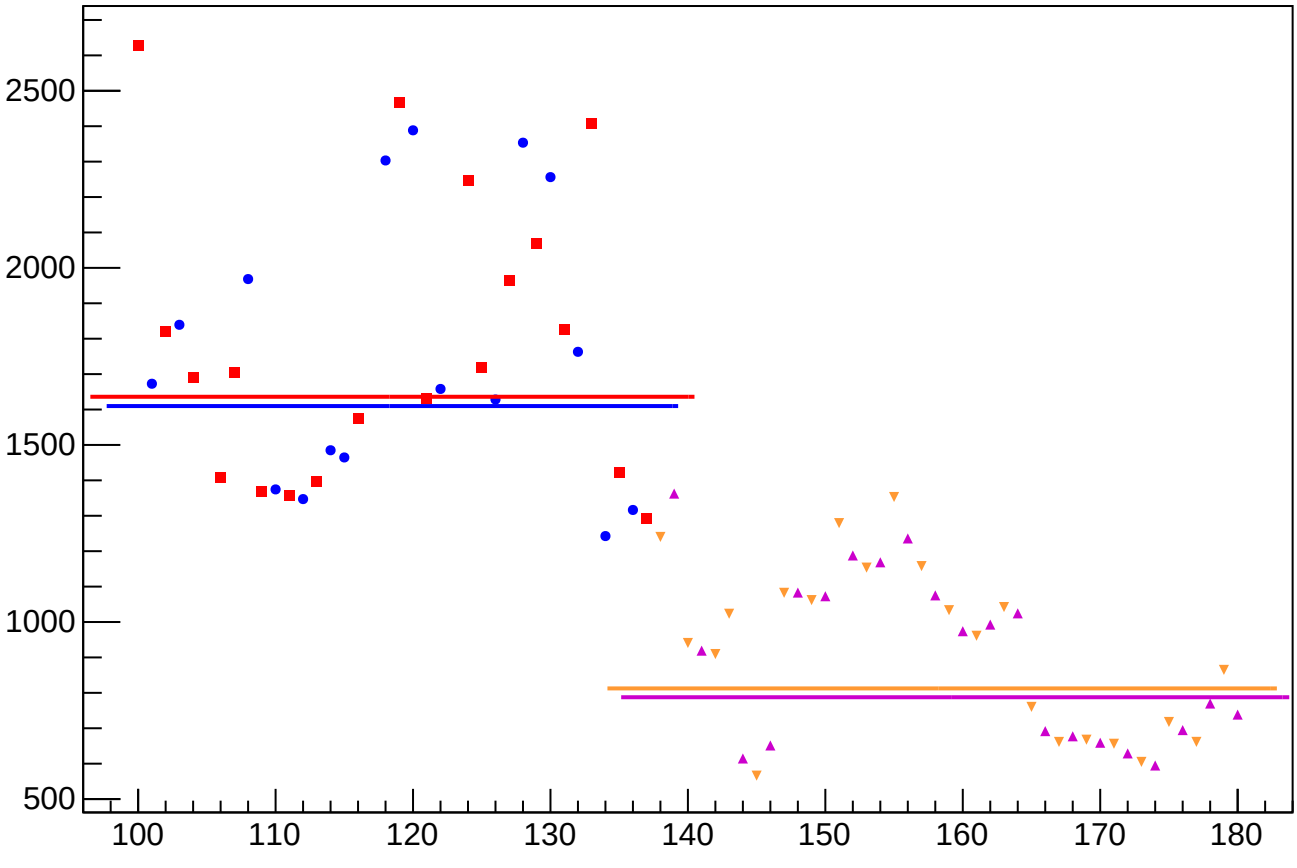
Left: -390.455+/-141.013 χ^2/NDF: 106.1/42

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 80.569+/-187.550 χ^2/NDF:49.8/36

Out: -744.001+/-191.936 χ^2/NDF:91.8/40

All: -322.189+/-134.142 χ^2/NDF: 151.1/77



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

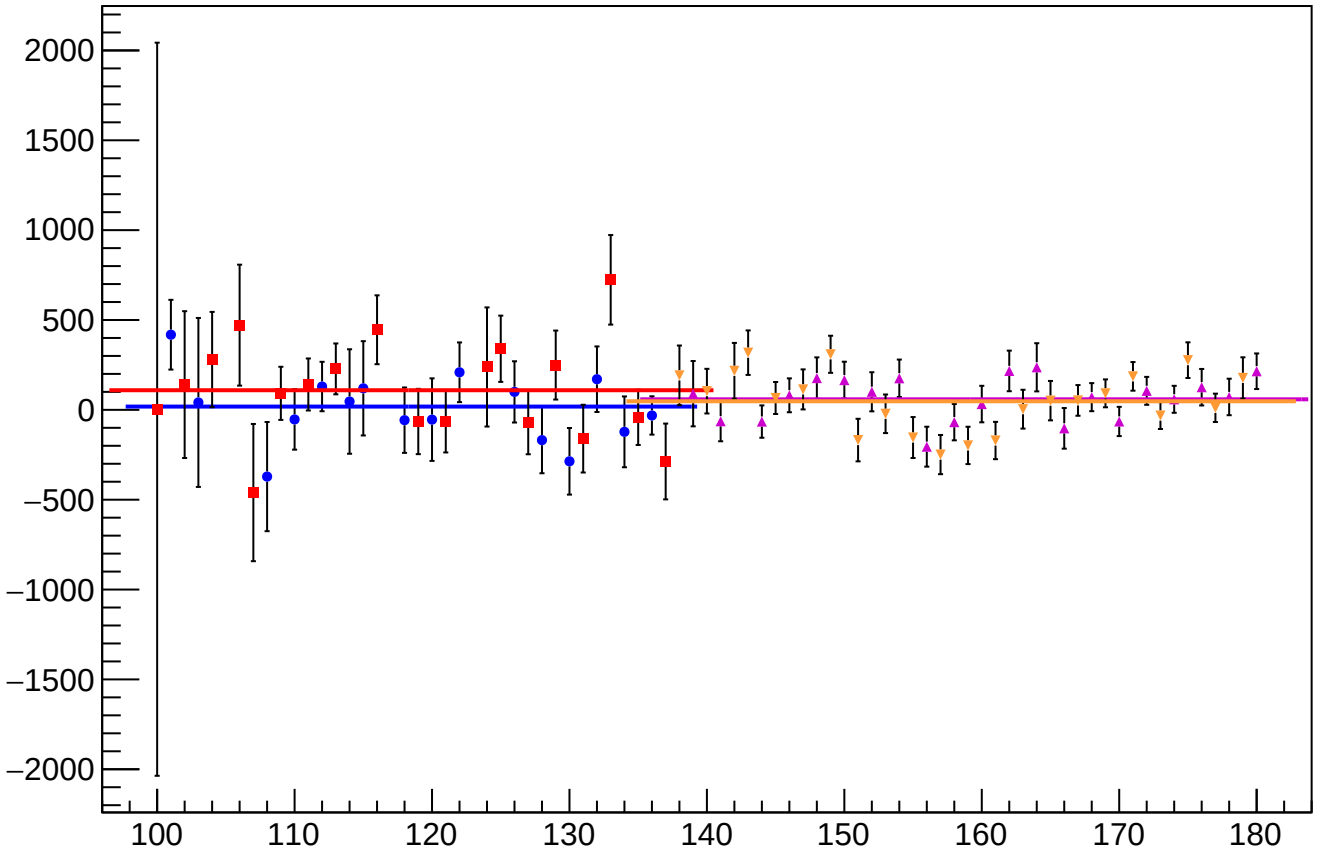
Left: 799.720+/-0.100 χ^2/NDF: 4483124.1/42

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 863.790+/-0.133 χ^2/NDF:6004587.0/36

Out: 892.866+/-0.136 χ^2/NDF:6084888.8/40

All: 877.992+/-0.095 χ^2/NDF: 12112953.7/77



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 58.633+/-21.638 χ^2/NDF:25.4/20

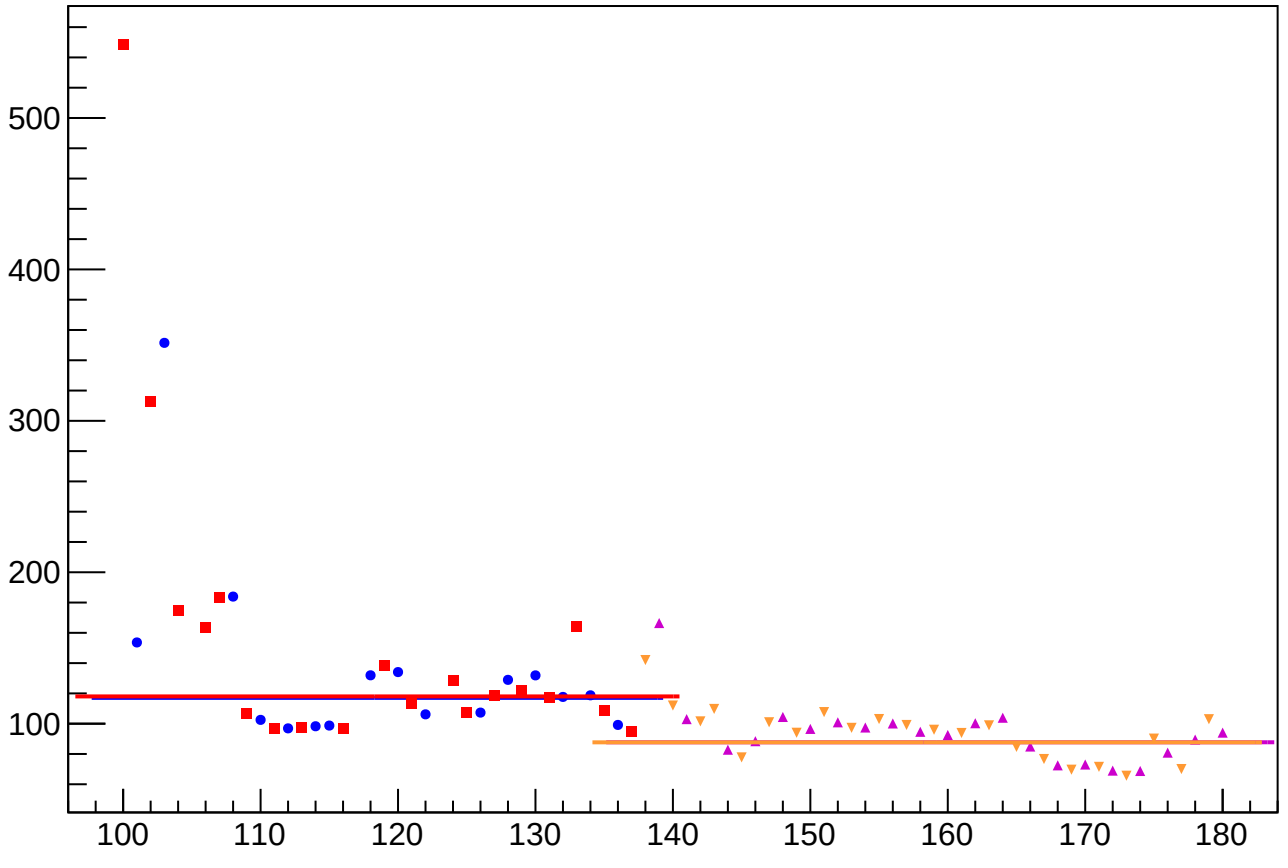
Left: 53.170+/-15.258 χ^2/NDF: 75.0/42

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 51.228+/-19.557 χ^2/NDF:39.9/36

Out: 58.857+/-19.478 χ^2/NDF:76.4/40

All: 55.058+/-13.801 χ^2/NDF: 116.3/77



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.728+/-0.015 χ^2/NDF:1019973.2/20

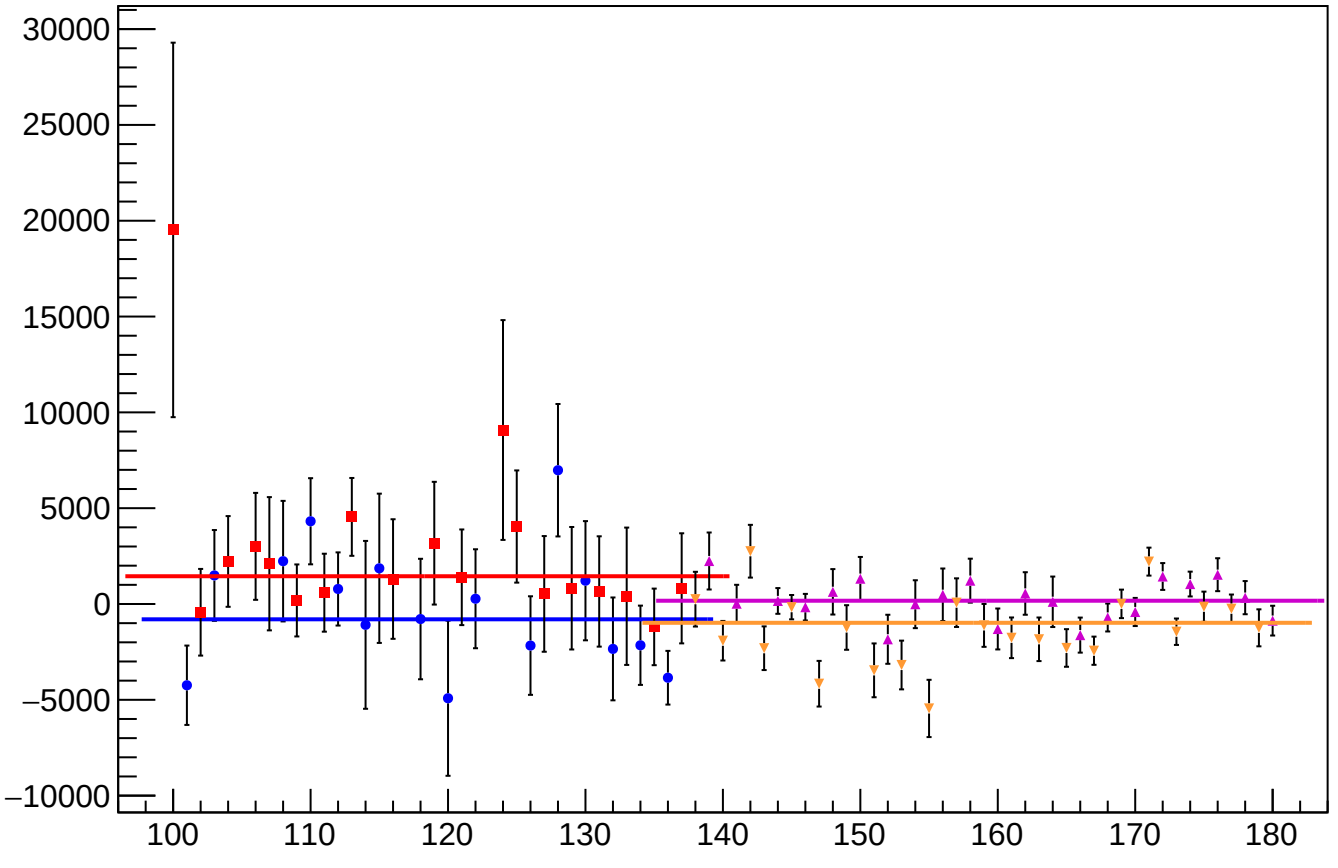
Left: 87.705+/-0.011 χ^2/NDF: 2160013.8/42

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.099+/-0.014 χ^2/NDF:2551414.8/36

Out: 93.159+/-0.014 χ^2/NDF:2844093.9/40

All: 93.129+/-0.010 χ^2/NDF: 5395518.2/77



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 170.442+/-196.898 χ^2/NDF:24.1/20

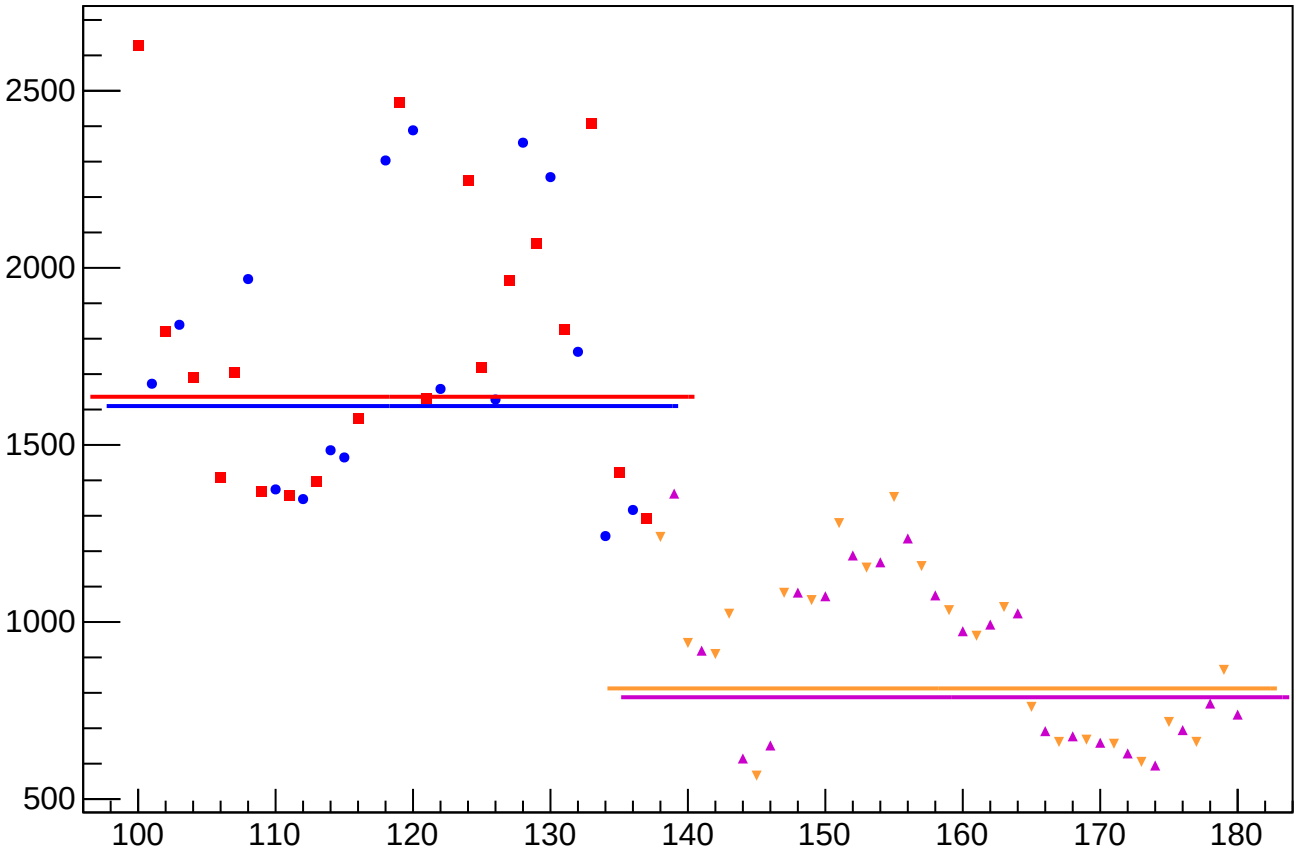
Left: -390.455+/-141.013 χ^2/NDF: 106.1/42

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 80.569+/-187.550 χ^2/NDF:49.8/36

Out: -744.001+/-191.936 χ^2/NDF:91.8/40

All: -322.189+/-134.142 χ^2/NDF: 151.1/77



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 787.575+/-0.139 χ^2/NDF:2152663.2/20

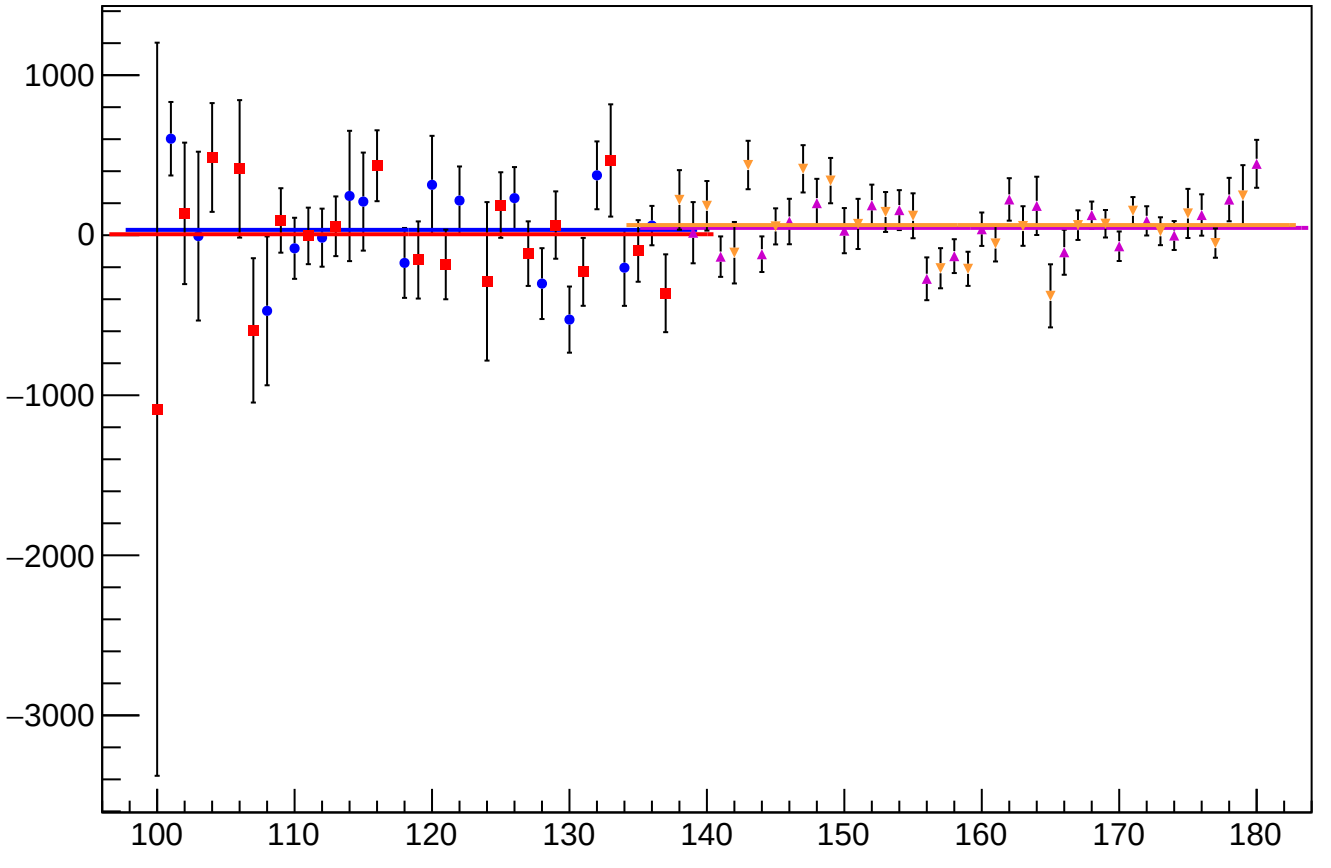
Left: 799.720+/-0.100 χ^2/NDF: 4483124.1/42

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 863.790+/-0.133 χ^2/NDF:6004587.0/36

Out: 892.866+/-0.136 χ^2/NDF:6084888.8/40

All: 877.992+/-0.095 χ^2/NDF: 12112953.7/77



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.396+/-25.793 χ^2/NDF:39.6/21

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 45.759+/-26.059 χ^2/NDF:31.5/20

Left: 54.668+/-18.332 χ^2/NDF: 71.4/42

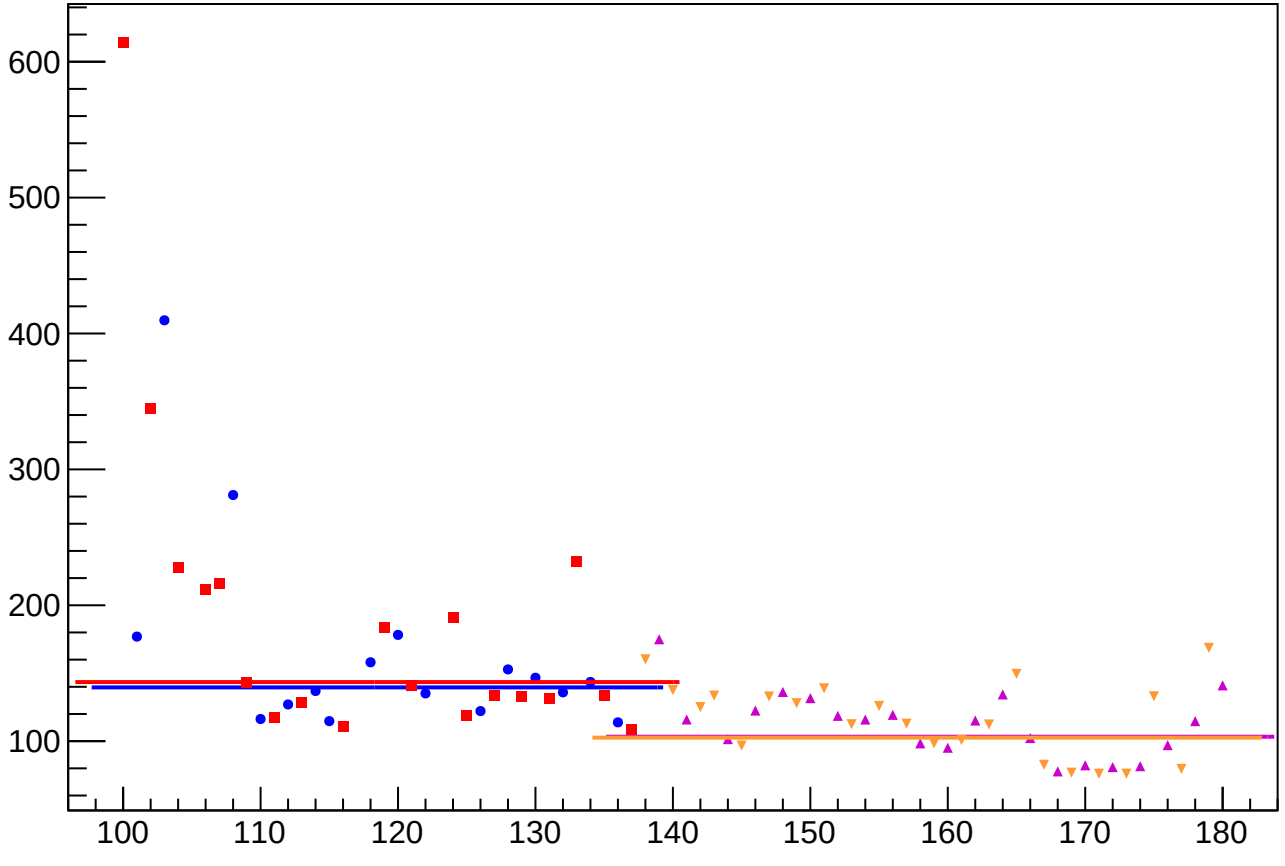
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 43.500+/-23.542 χ^2/NDF:56.8/36

Out: 53.396+/-23.434 χ^2/NDF:57.8/40

All: 48.471+/-16.608 χ^2/NDF: 114.7/77

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 102.587+/-0.018 χ^2/NDF:1973982.3/21

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 103.273+/-0.018 χ^2/NDF:1351731.9/20

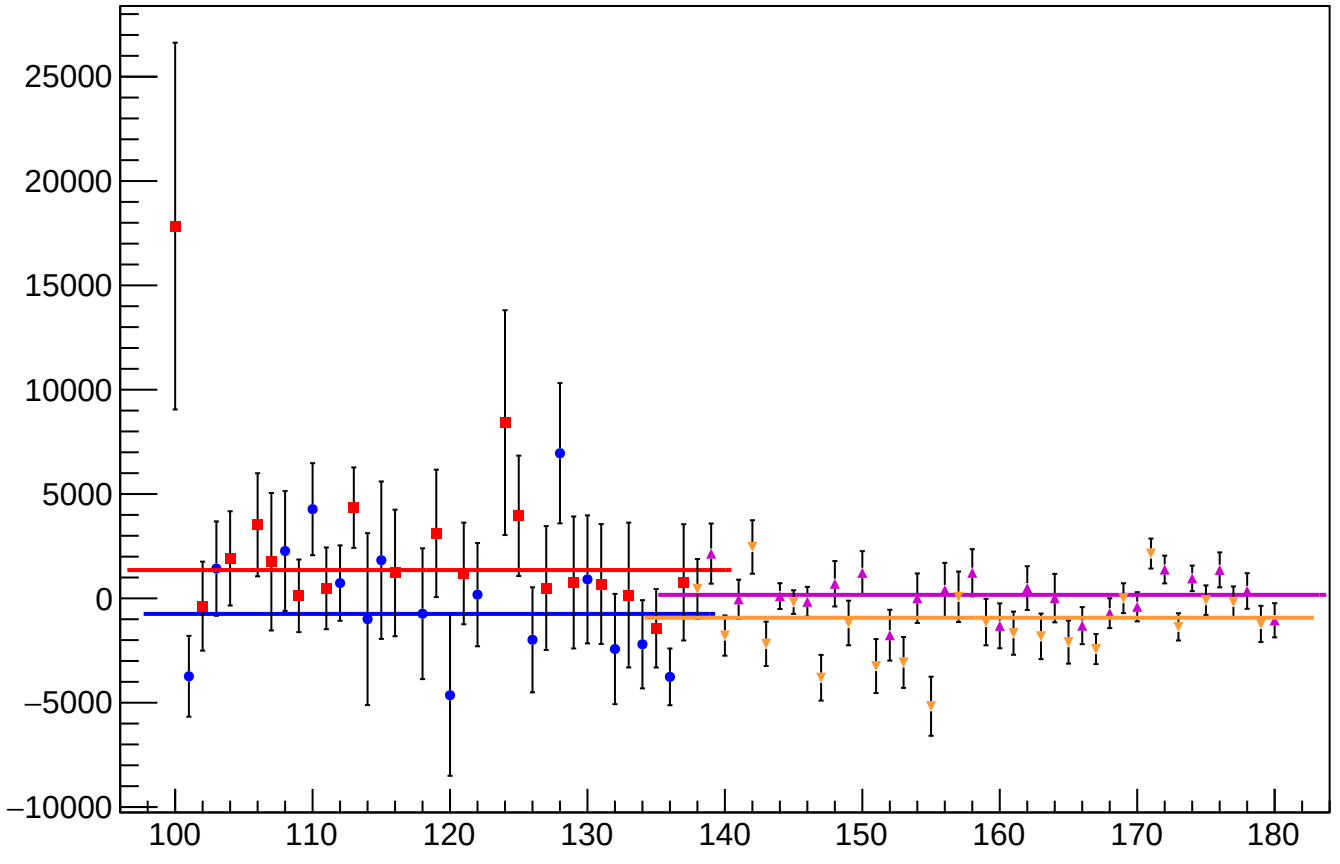
Left: 102.927+/-0.013 χ^2/NDF: 3326415.1/42

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 109.945+/-0.017 χ^2/NDF:3041631.7/36

Out: 109.725+/-0.017 χ^2/NDF:3968114.4/40

All: 109.835+/-0.012 χ^2/NDF: 7009834.0/77



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.936 χ^2/NDF:64.6/21

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 169.074+/-189.900 χ^2/NDF:23.1/20

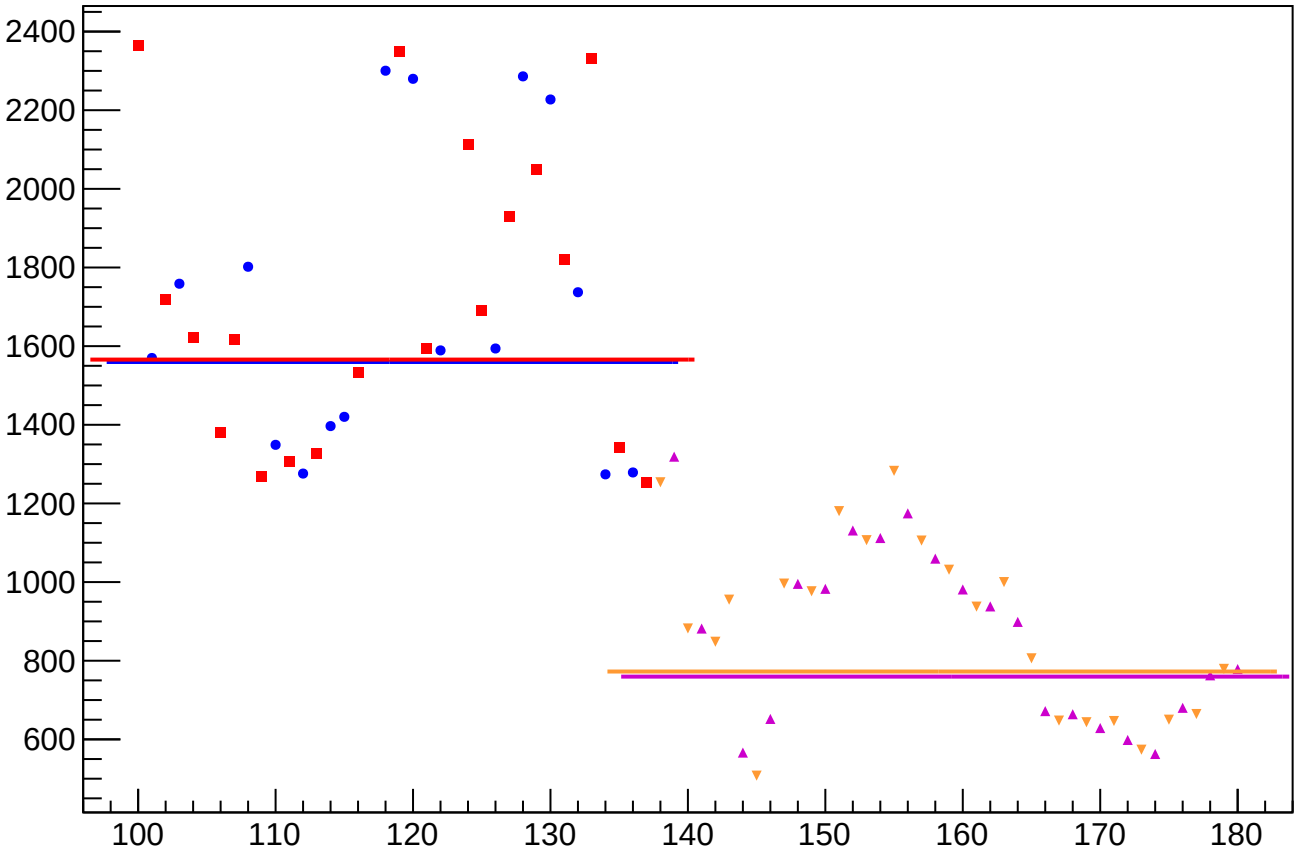
Left: -373.906+/-134.993 χ^2/NDF: 104.3/42

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 84.810+/-180.932 χ^2/NDF:48.7/36

Out: -706.935+/-182.395 χ^2/NDF:91.9/40

All: -307.874+/-128.452 χ^2/NDF: 150.2/77



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391950.6/21

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 759.599+/-0.134 χ^2/NDF:2109477.5/20

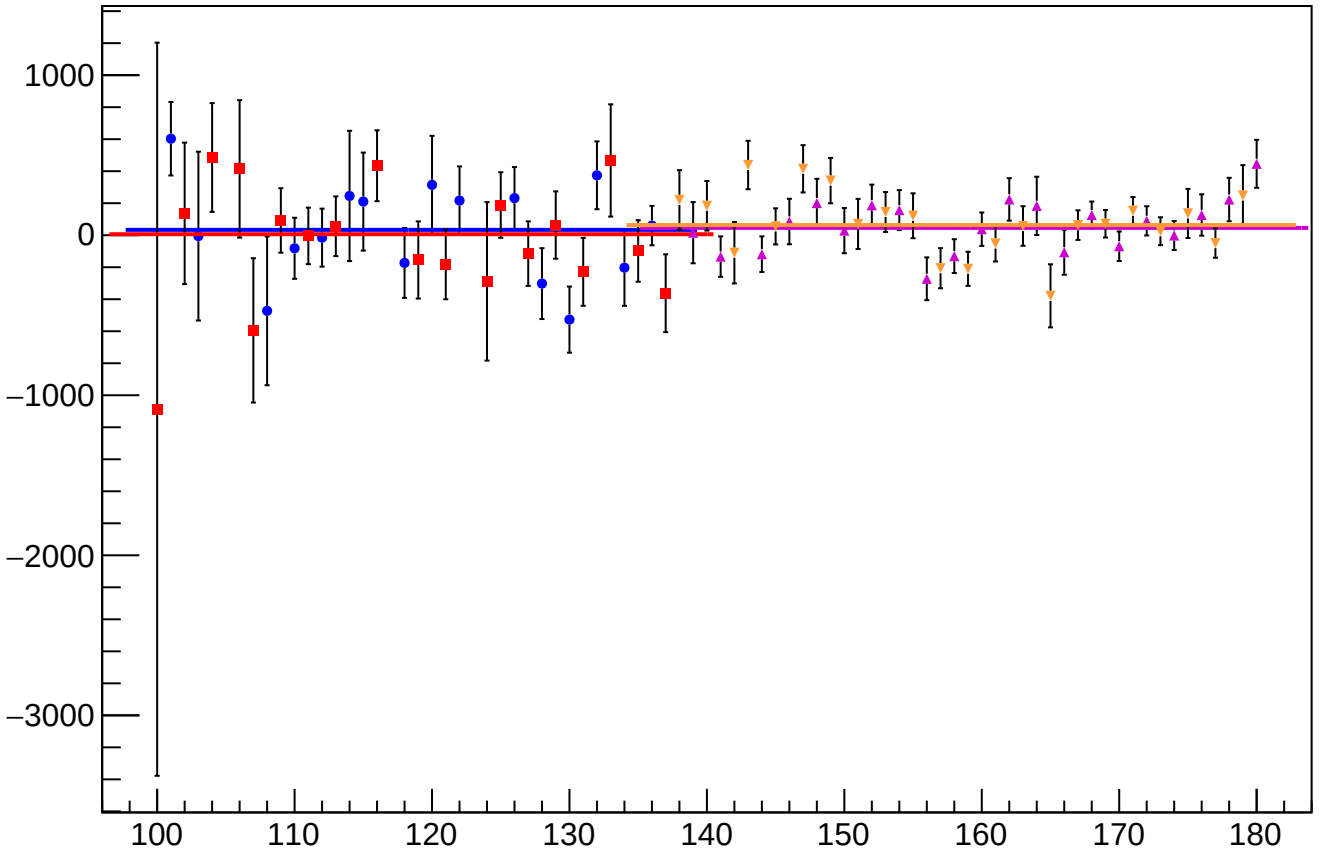
Left: 766.001+/-0.095 χ^2/NDF: 4506023.7/42

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 833.385+/-0.128 χ^2/NDF:5988034.5/36

Out: 849.443+/-0.129 χ^2/NDF:6267665.7/40

All: 841.349+/-0.091 χ^2/NDF: 12263513.1/77



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.397+/-25.793 χ^2/NDF:39.6/21

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 45.758+/-26.059 χ^2/NDF:31.5/20

Left: 54.668+/-18.332 χ^2/NDF: 71.4/42

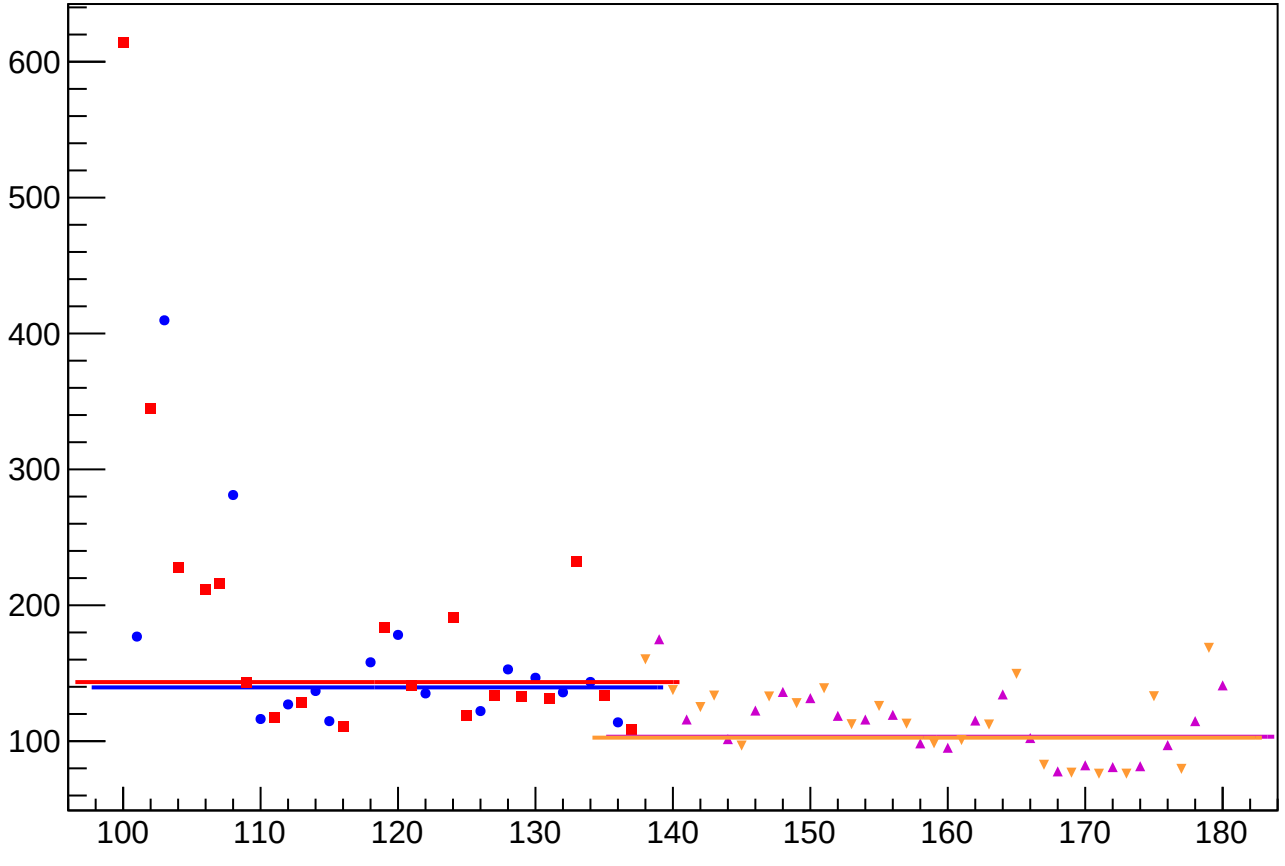
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 43.499+/-23.542 χ^2/NDF:56.8/36

Out: 53.396+/-23.434 χ^2/NDF:57.8/40

All: 48.470+/-16.608 χ^2/NDF: 114.7/77

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 102.587+/-0.018 χ^2/NDF:1974006.1/21

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 103.274+/-0.018 χ^2/NDF:1351743.1/20

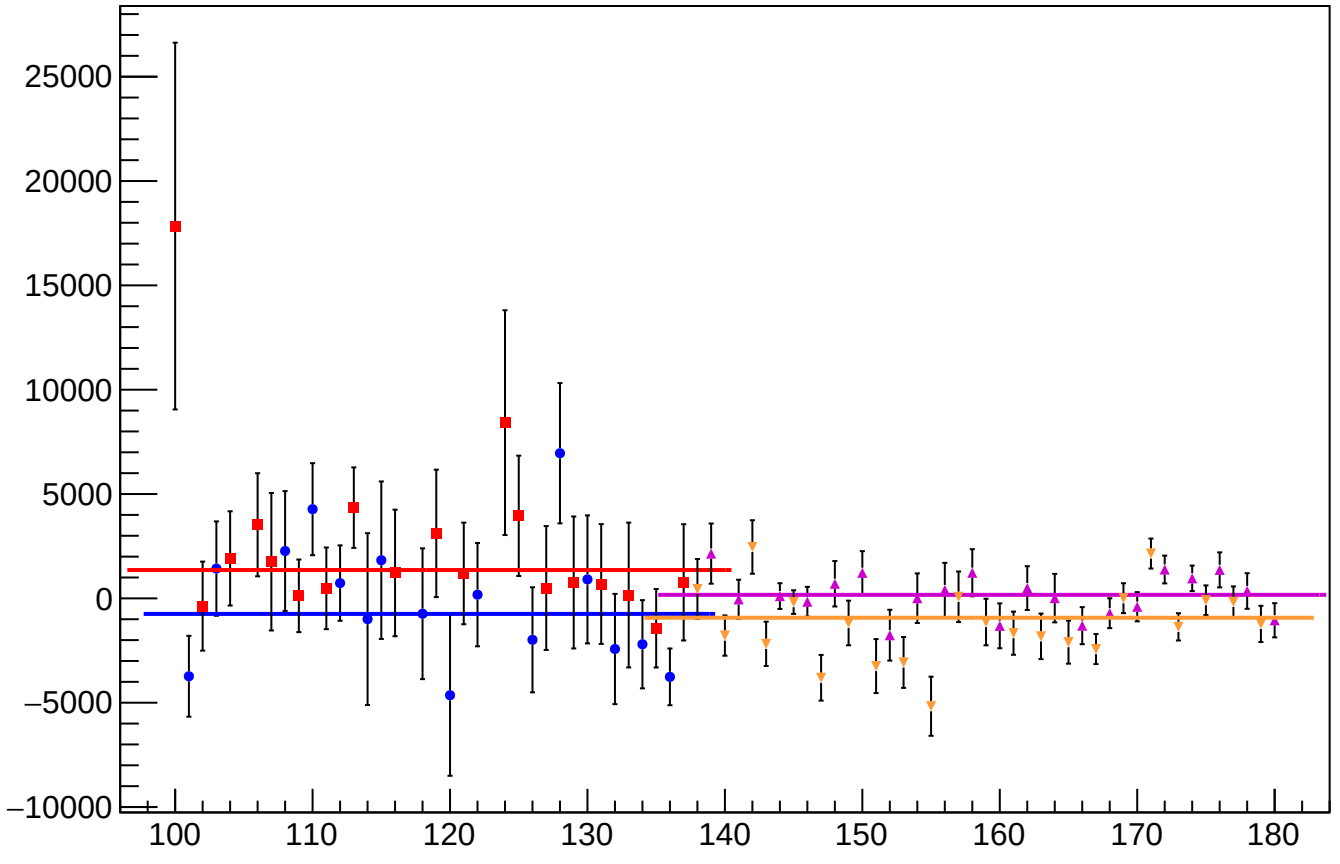
Left: 102.927+/-0.013 χ^2/NDF: 3326450.0/42

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 109.946+/-0.017 χ^2/NDF:3041641.3/36

Out: 109.725+/-0.017 χ^2/NDF:3968145.0/40

All: 109.835+/-0.012 χ^2/NDF: 7009874.2/77



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.935 χ^2/NDF:64.6/21

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 169.073+/-189.899 χ^2/NDF:23.1/20

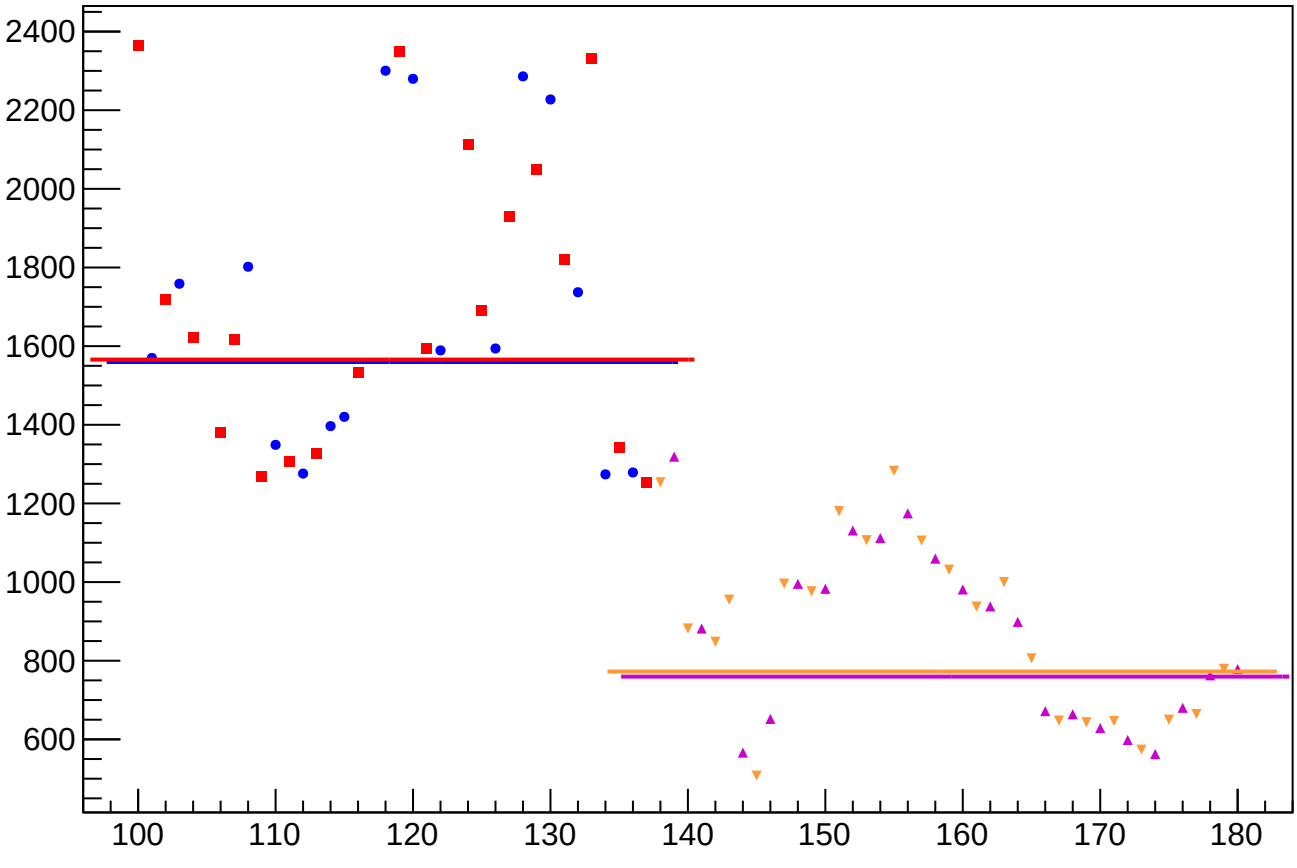
Left: -373.907+/-134.993 χ^2/NDF: 104.3/42

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 84.809+/-180.932 χ^2/NDF:48.7/36

Out: -706.936+/-182.395 χ^2/NDF:91.9/40

All: -307.875+/-128.452 χ^2/NDF: 150.2/77



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391944.9/21

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 759.598+/-0.134 χ^2/NDF:2109472.5/20

Left: 766.000+/-0.095 χ^2/NDF: 4506013.1/42

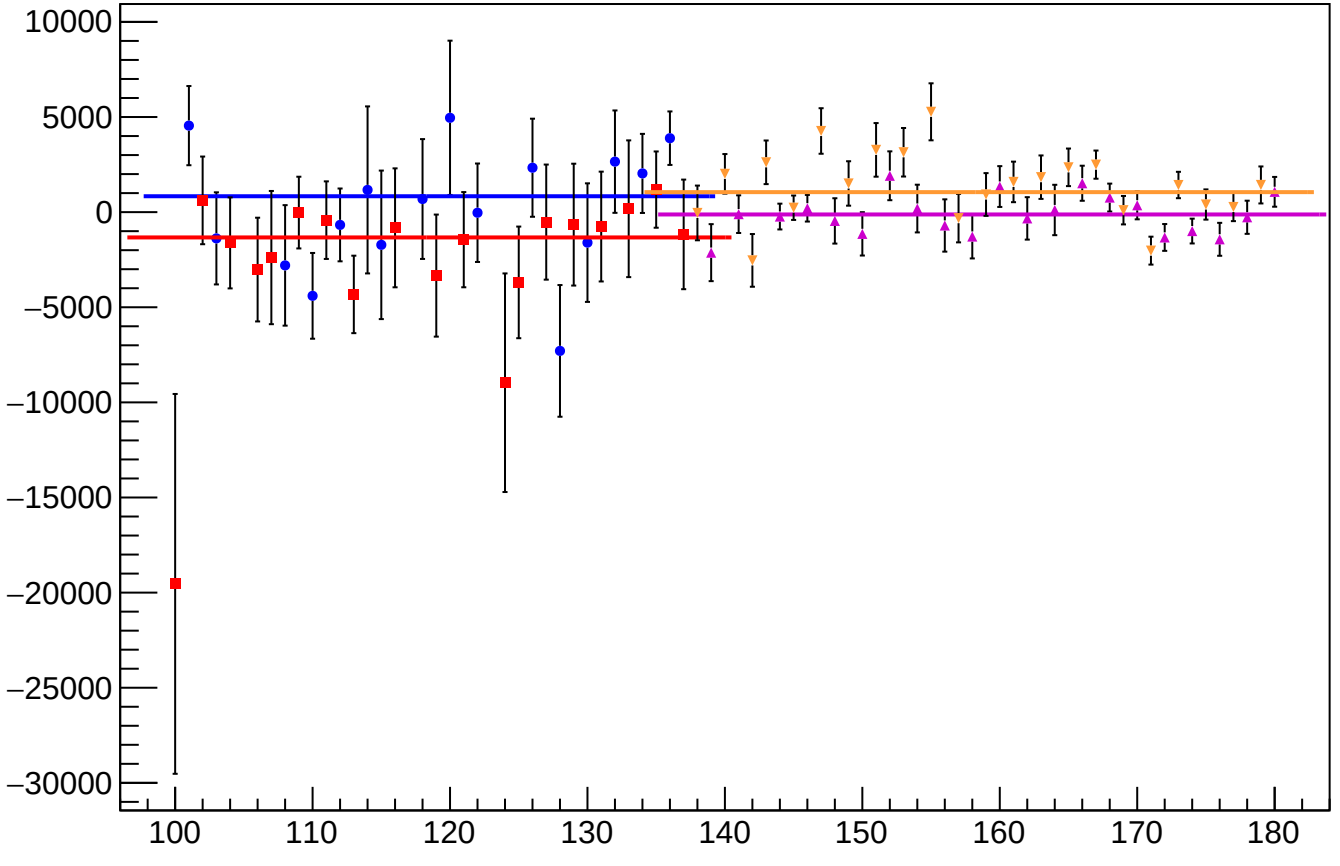
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 833.385+/-0.128 χ^2/NDF:5988029.2/36

Out: 849.442+/-0.129 χ^2/NDF:6267654.8/40

All: 841.349+/-0.091 χ^2/NDF: 12263496.9/77

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1051.459+/-203.321 χ^2/NDF:61.0/21

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -122.121+/-198.236 χ^2/NDF:23.0/20

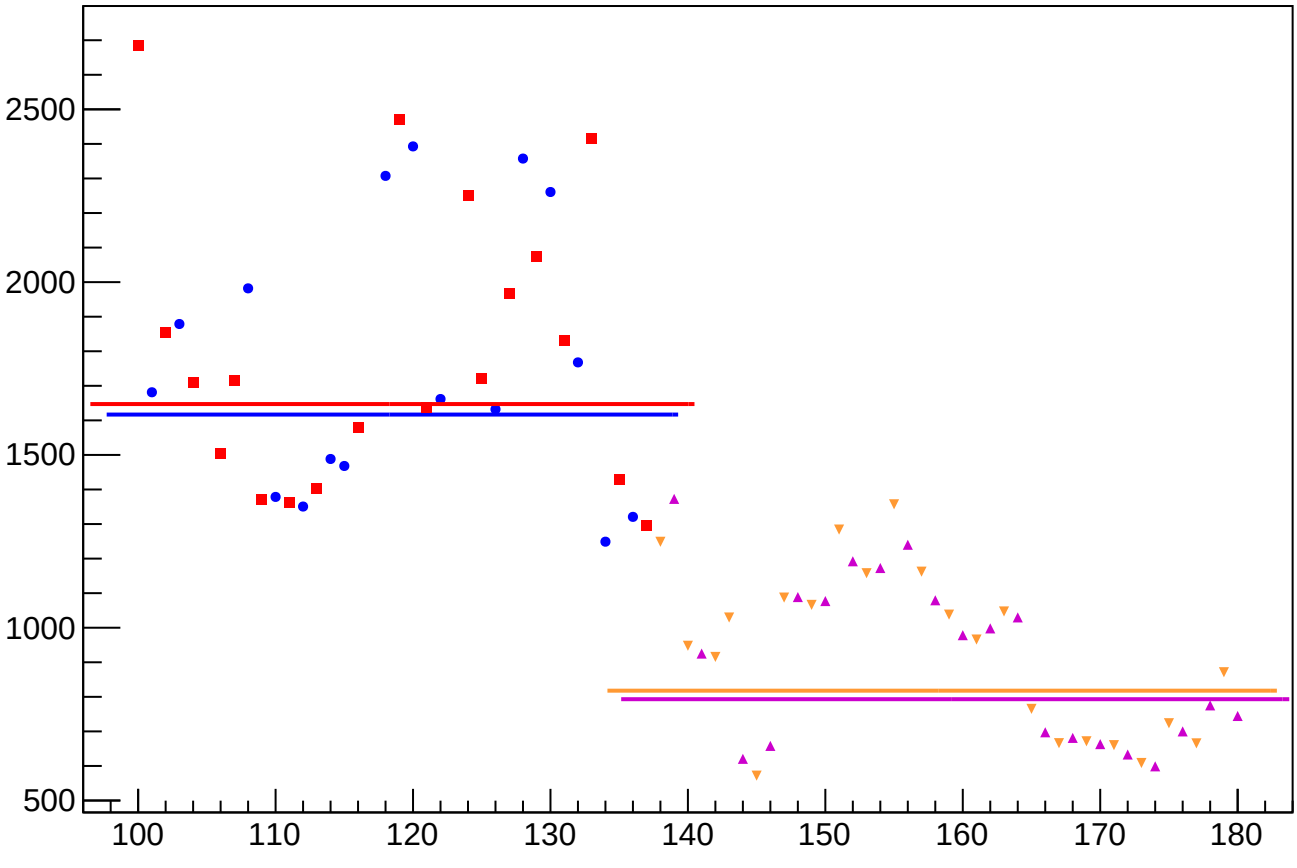
Left: 449.812+/-141.938 χ^2/NDF: 101.1/42

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -32.985+/-188.785 χ^2/NDF:50.1/36

Out: 817.841+/-193.088 χ^2/NDF:86.5/40

All: 382.841+/-134.987 χ^2/NDF: 146.6/77



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 817.857+/-0.144 χ^2/NDF:2294925.9/21

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 793.180+/-0.140 χ^2/NDF:2131926.4/20

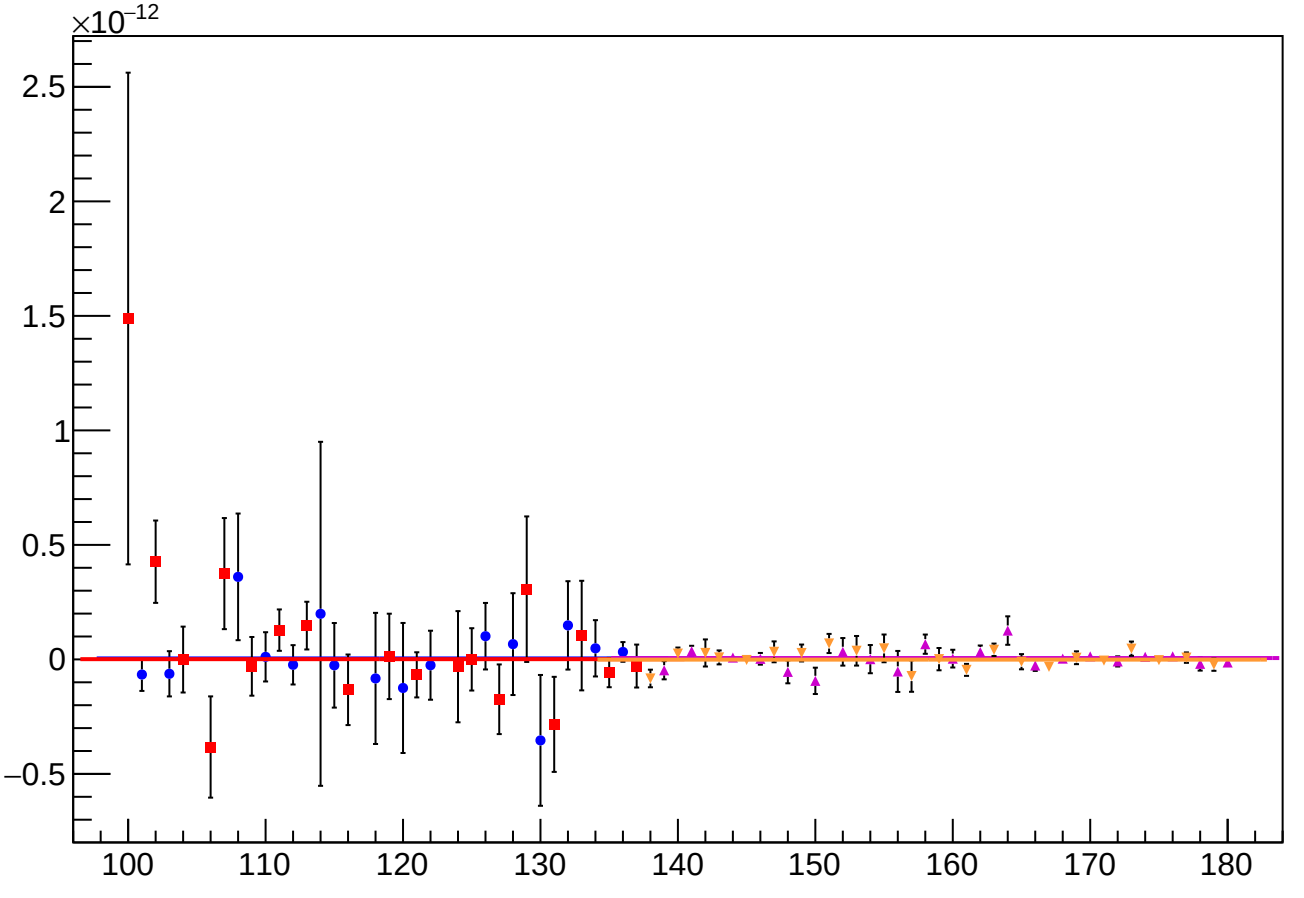
Left: 805.206+/-0.100 χ^2/NDF: 4441956.4/42

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 869.844+/-0.133 χ^2/NDF:5967738.8/36

Out: 899.233+/-0.137 χ^2/NDF:6084005.7/40

All: 884.207+/-0.095 χ^2/NDF: 12075433.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/20

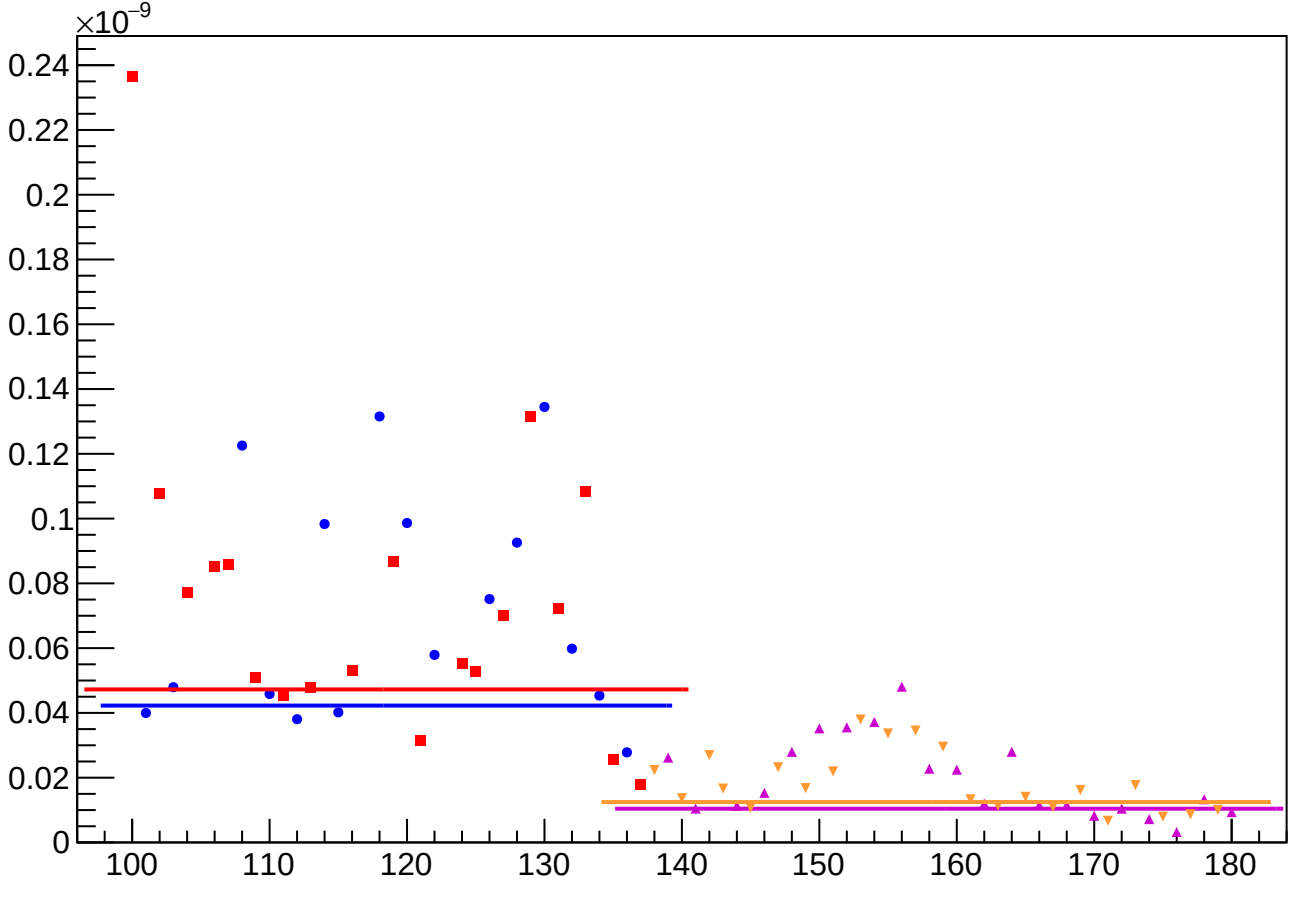
Left: 0.000+/-0.000 χ^2/NDF: 44.2/42

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:26.8/36

Out: -0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 74.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2210164.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3613795.4/20

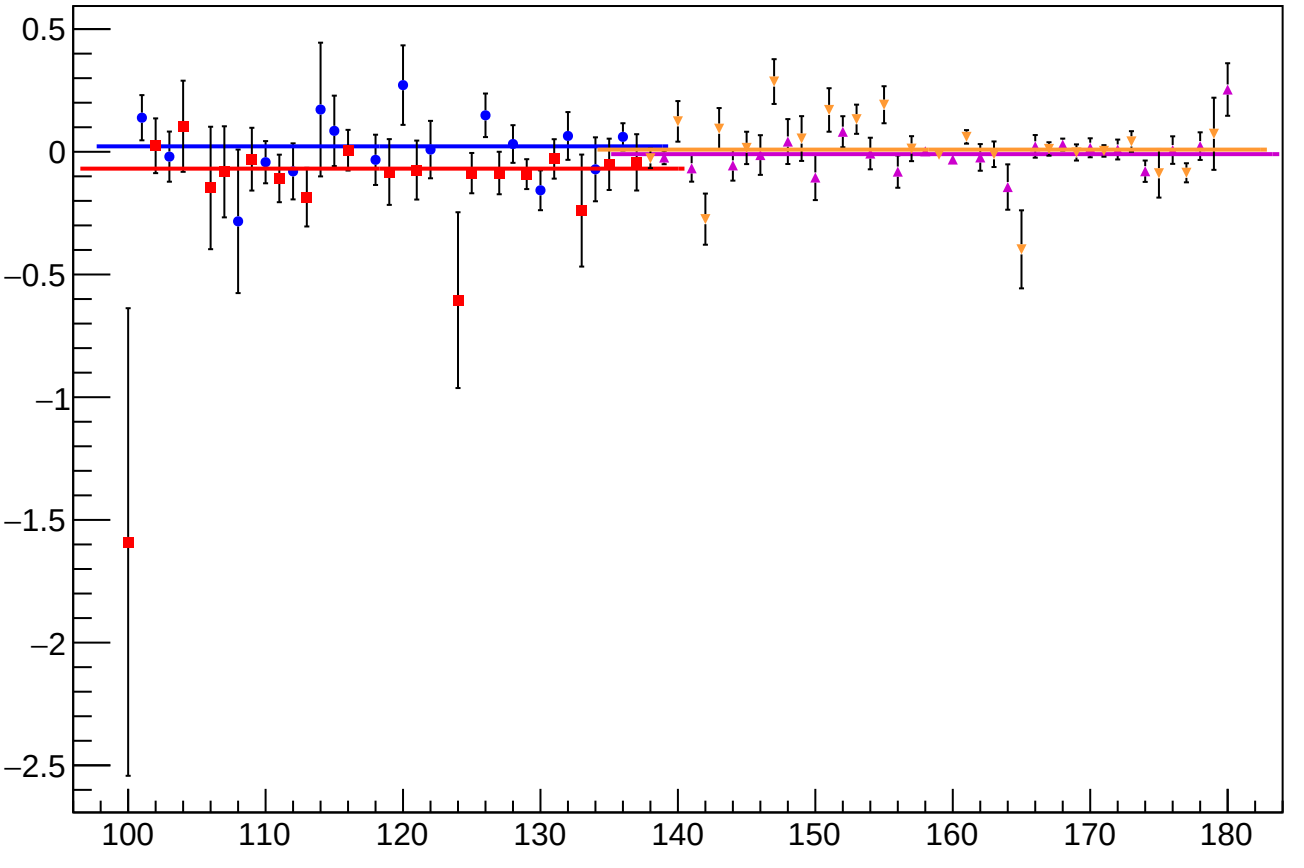
Left: 0.000+/-0.000 χ^2/NDF: 5964812.6/42

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7397644.3/36

Out: 0.000+/-0.000 χ^2/NDF:6163528.0/40

All: 0.000+/-0.000 χ^2/NDF: 13718136.7/77



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:23.8/20

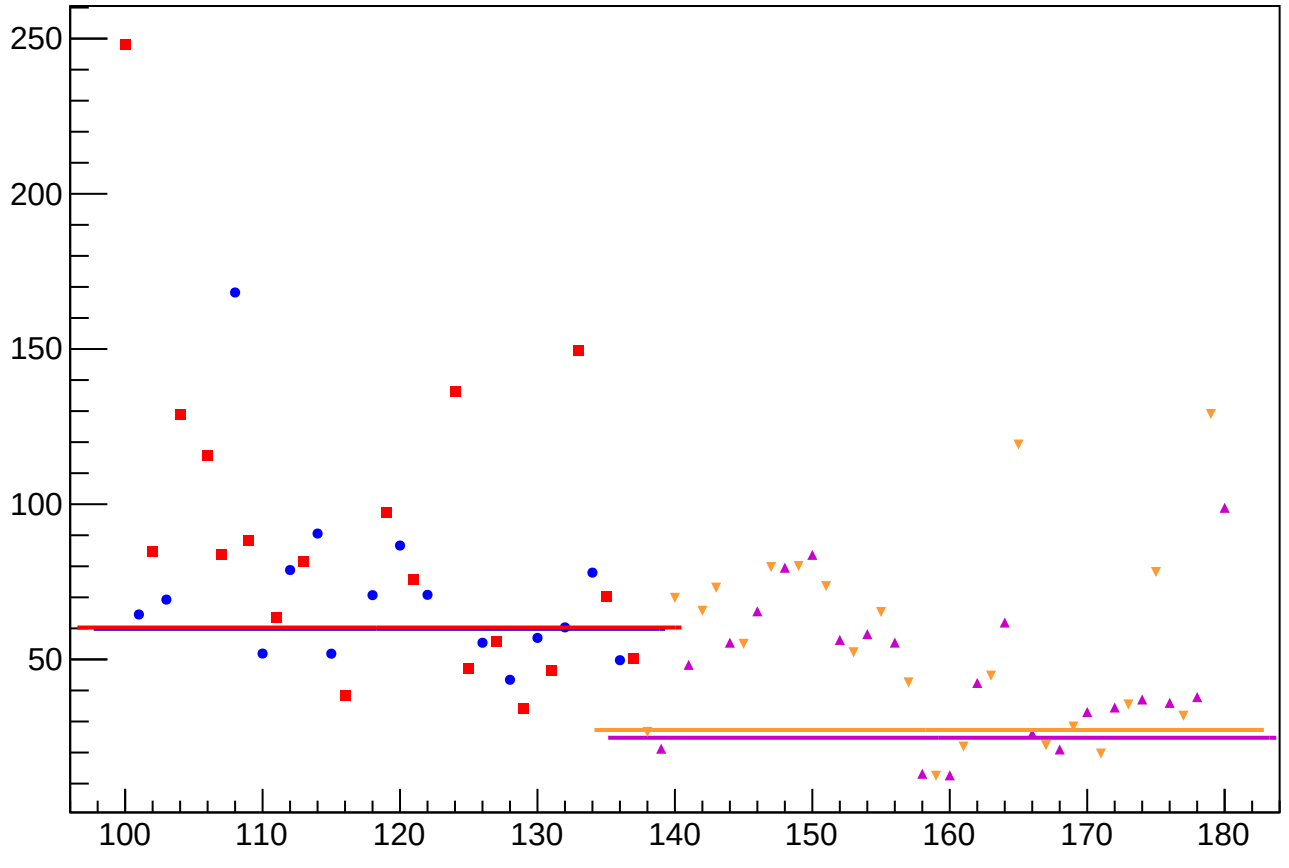
Left: -0.001+/-0.006 χ^2/NDF: 80.4/42

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:40.8/36

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.003+/-0.006 χ^2/NDF: 113.4/77



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

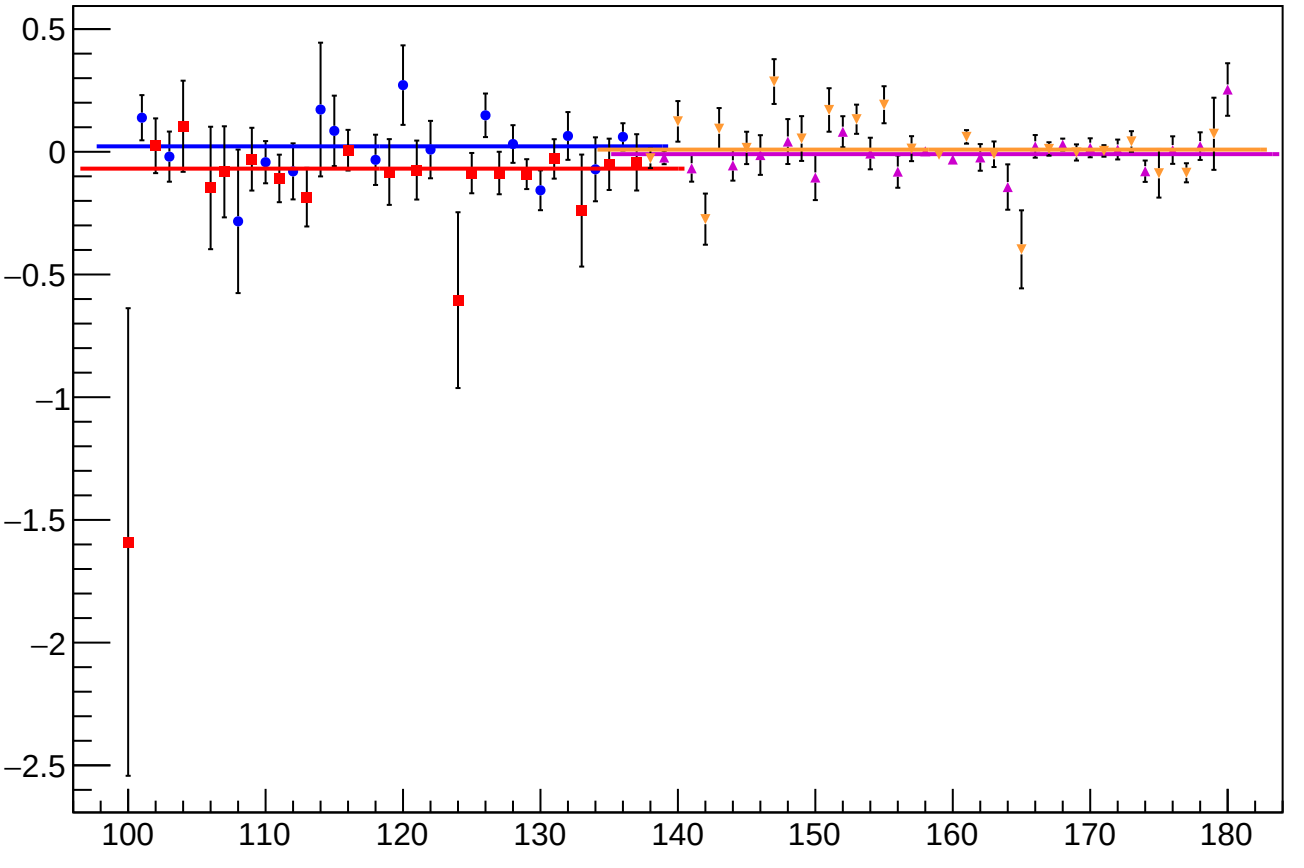
Left: 25.932+/-0.004 χ^2/NDF: 18078372.5/42

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.058+/-0.005 χ^2/NDF:13023969.8/36

Out: 30.634+/-0.006 χ^2/NDF:14367999.4/40

All: 29.263+/-0.004 χ^2/NDF: 27500576.9/77



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:23.8/20

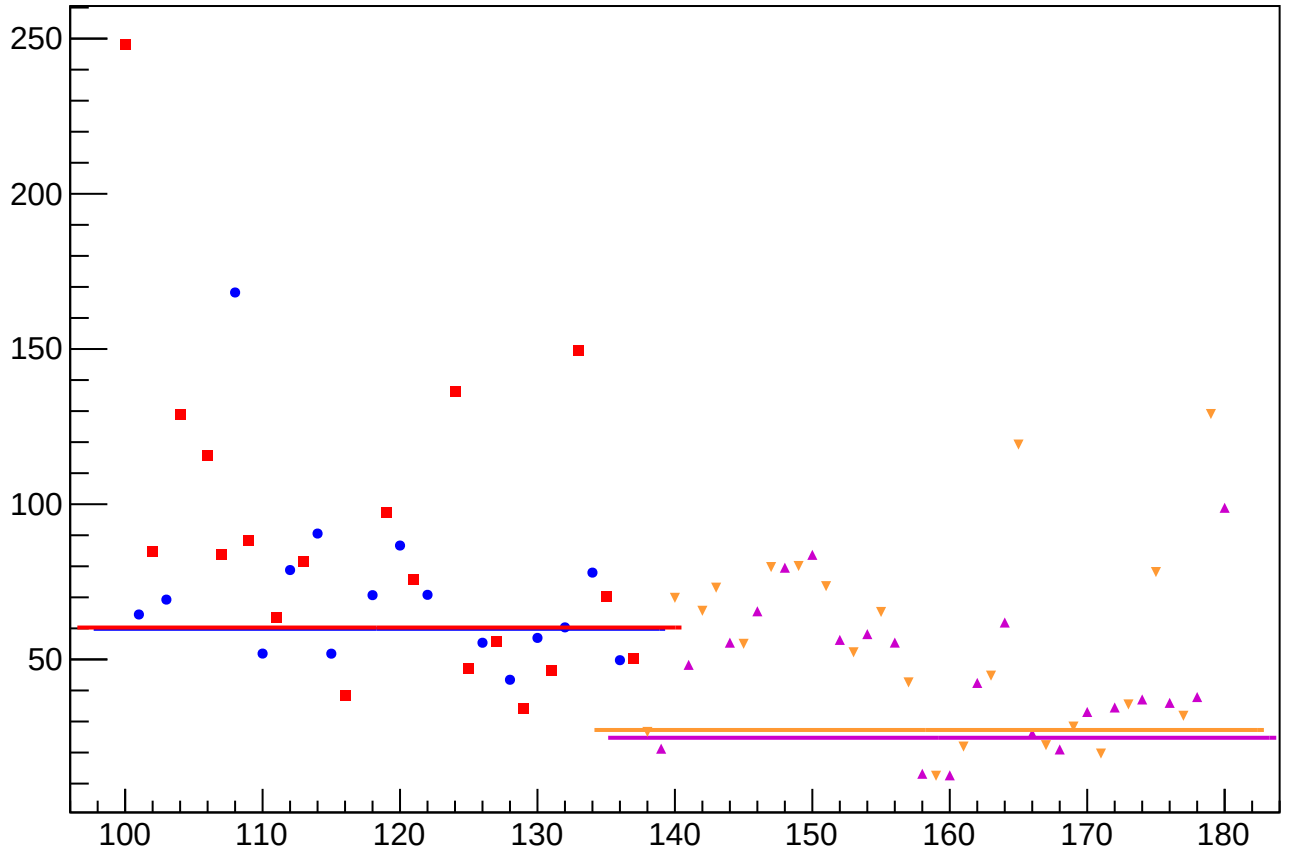
Left: -0.001+/-0.006 χ^2/NDF: 80.4/42

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:40.8/36

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.003+/-0.006 χ^2/NDF: 113.4/77



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.762+/-0.006 χ^2/NDF:8656681.8/20

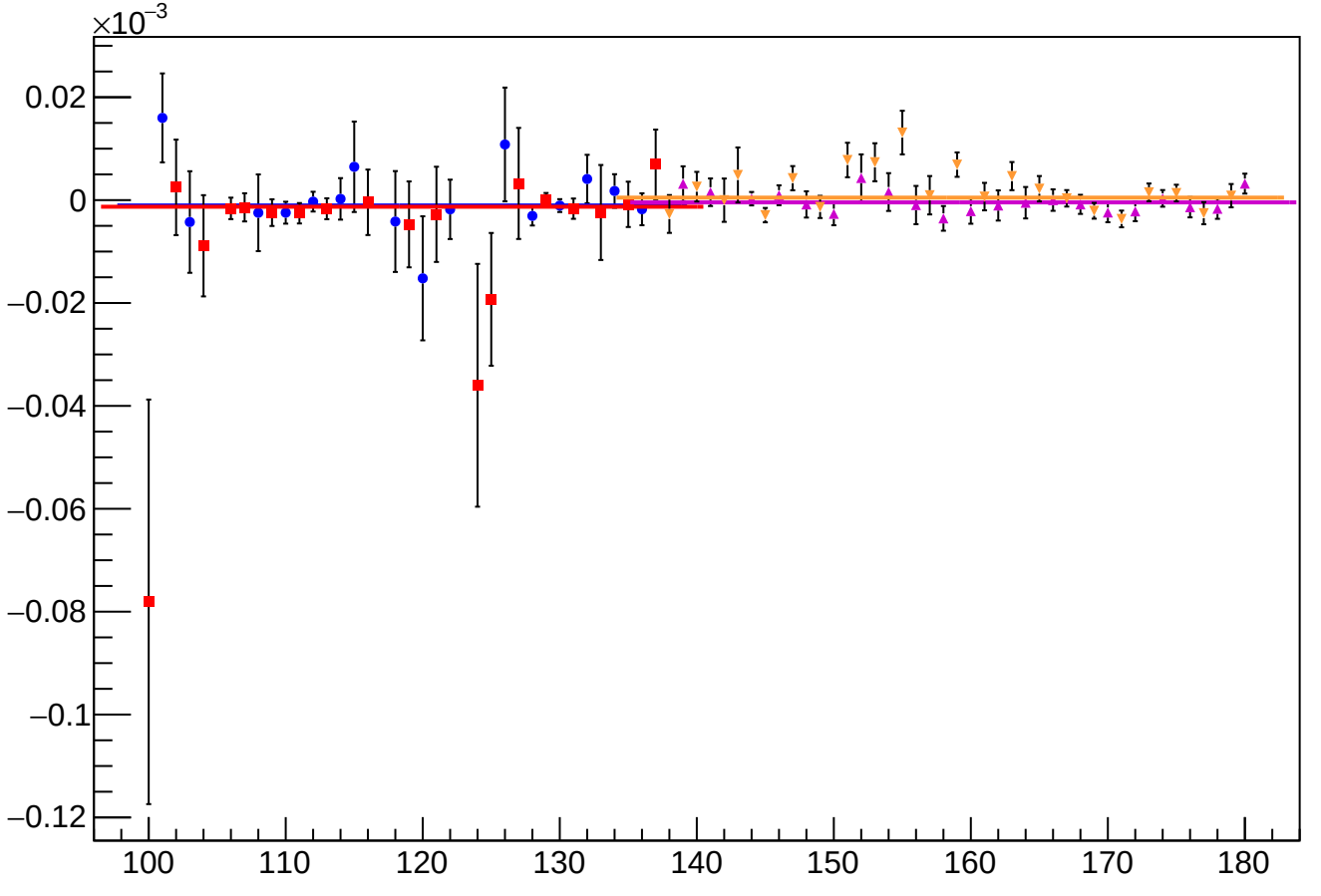
Left: 25.932+/-0.004 χ^2/NDF: 18078372.5/42

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 28.058+/-0.005 χ^2/NDF:13023969.8/36

Out: 30.634+/-0.006 χ^2/NDF:14367999.4/40

All: 29.263+/-0.004 χ^2/NDF: 27500576.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/20

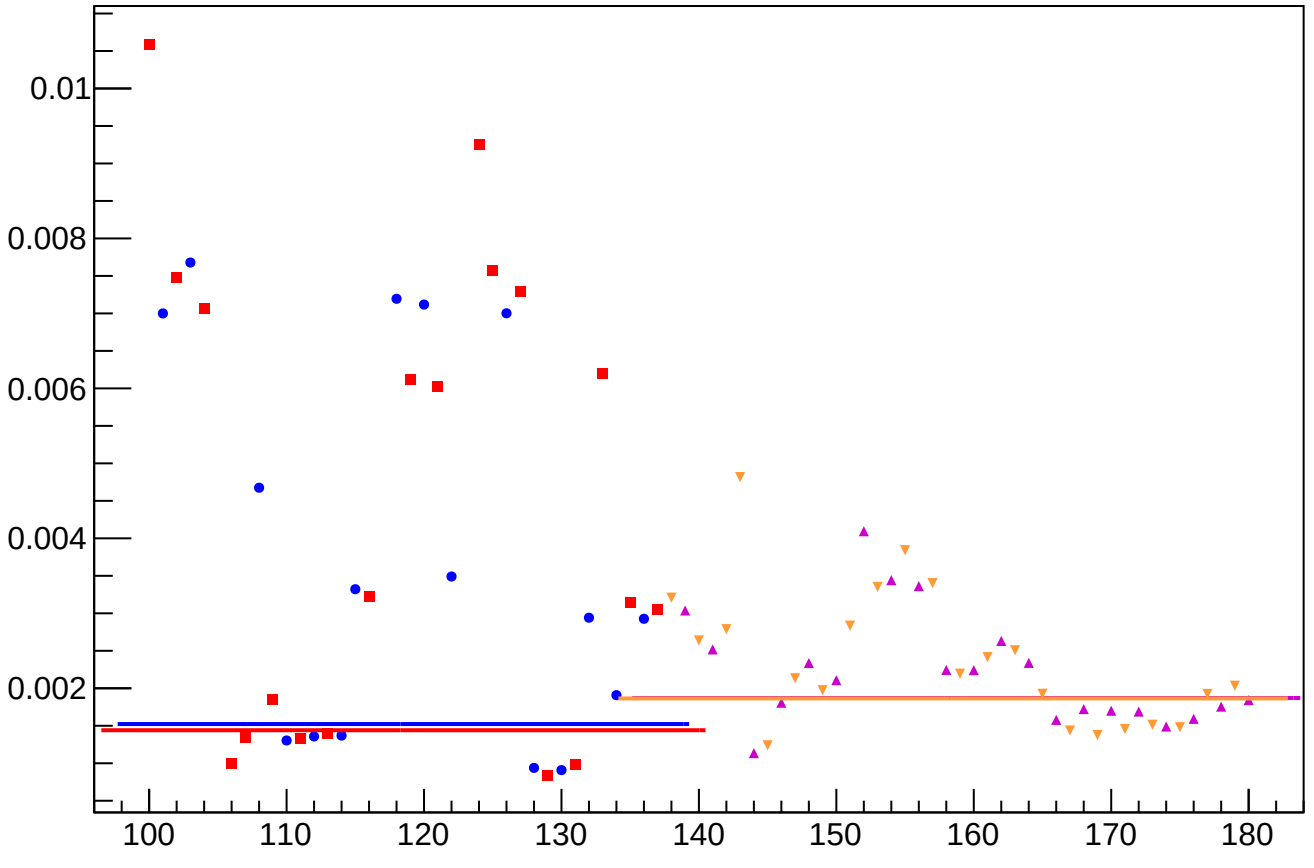
Left: 0.000+/-0.000 χ^2/NDF: 65.9/42

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:25.2/36

Out: -0.000+/-0.000 χ^2/NDF:67.3/40

All: -0.000+/-0.000 χ^2/NDF: 93.5/77



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3732571.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2756514.2/20

Left: 0.002+/-0.000 χ^2/NDF: 6489222.2/42

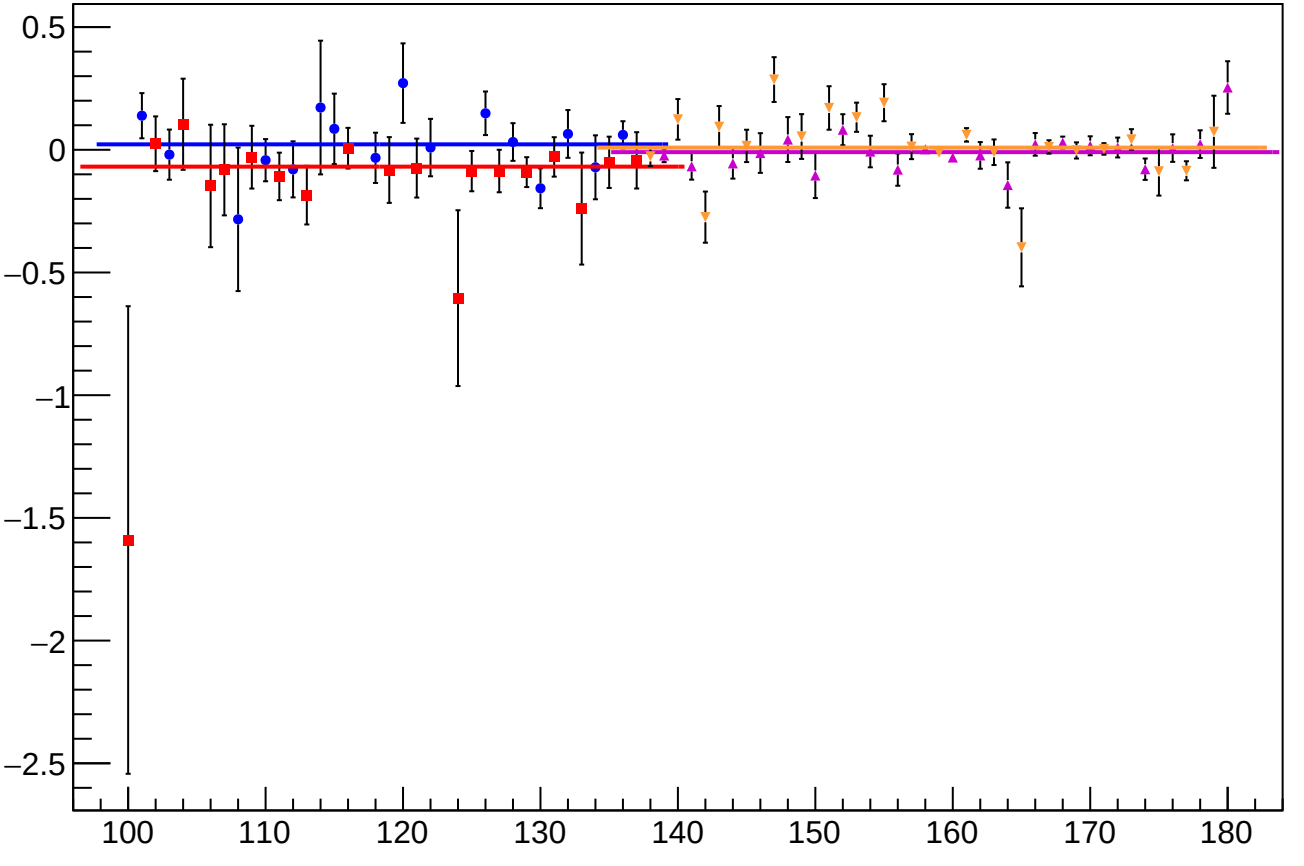
Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8252011.3/36

Out: 0.002+/-0.000 χ^2/NDF:10025157.8/40

All: 0.002+/-0.000 χ^2/NDF: 18286333.1/77

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:23.8/20

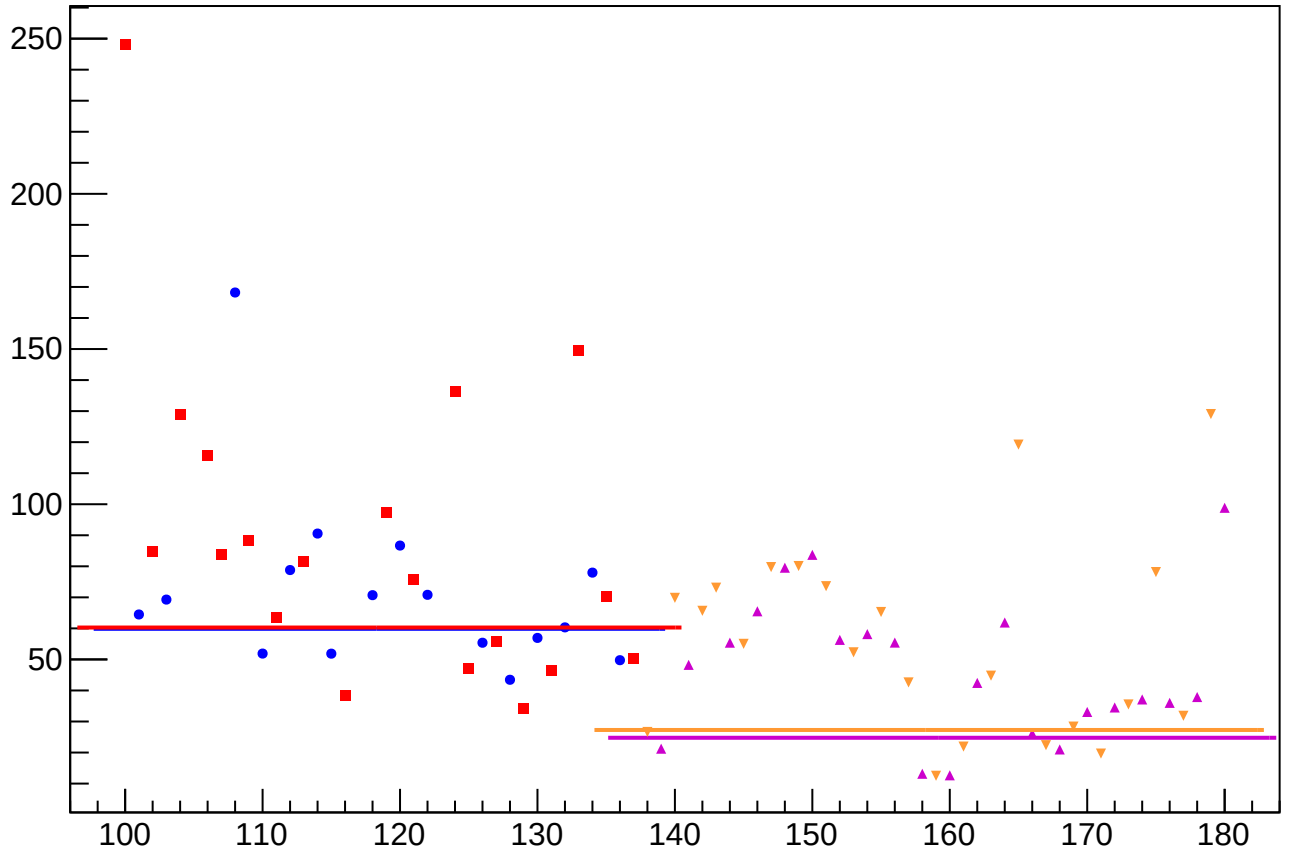
Left: -0.001+/-0.006 χ^2/NDF: 80.4/42

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:40.8/36

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.003+/-0.006 χ^2/NDF: 113.4/77



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

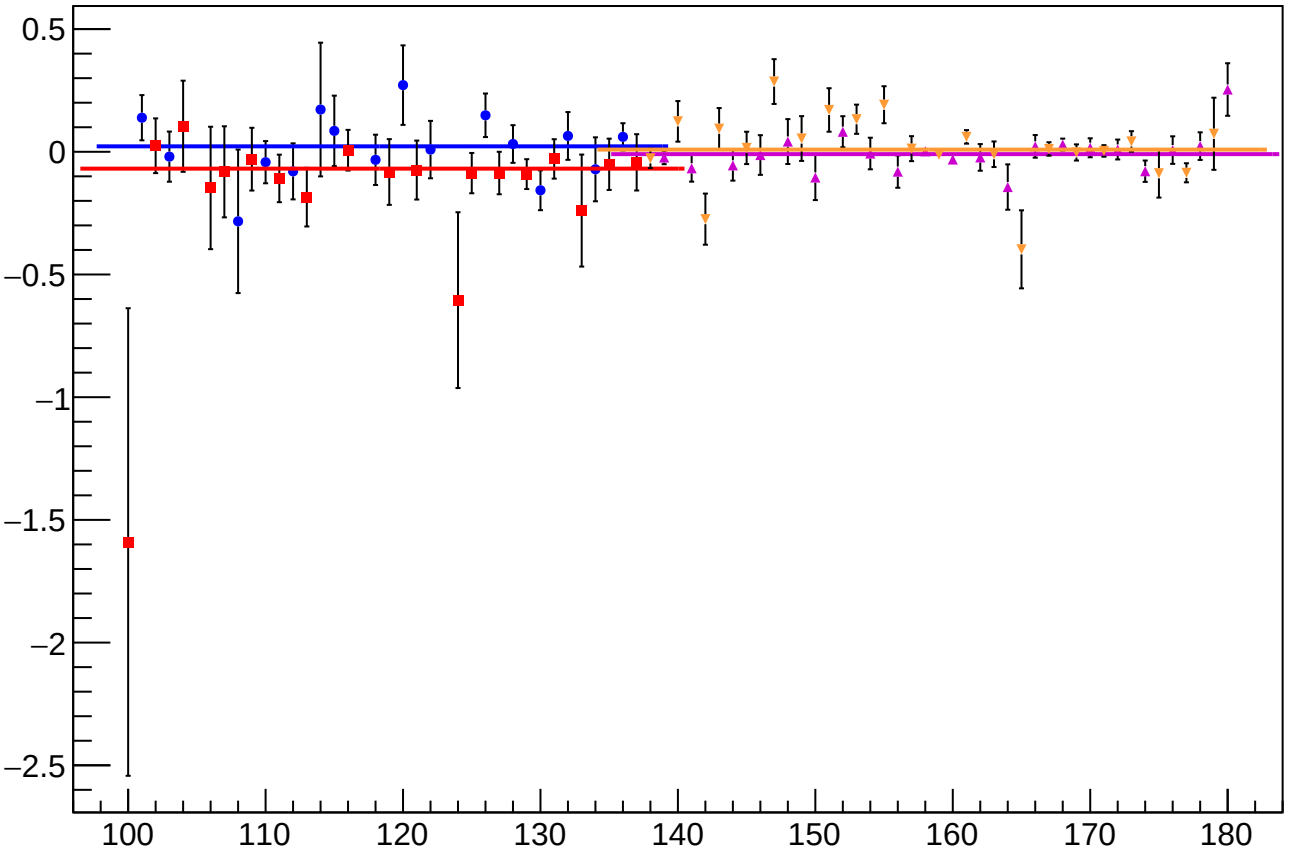
Left: 25.931+/-0.004 χ^2/NDF: 18079800.8/42

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.058+/-0.005 χ^2/NDF:13024656.1/36

Out: 30.633+/-0.006 χ^2/NDF:14369331.9/40

All: 29.263+/-0.004 χ^2/NDF: 27502527.5/77



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:23.8/20

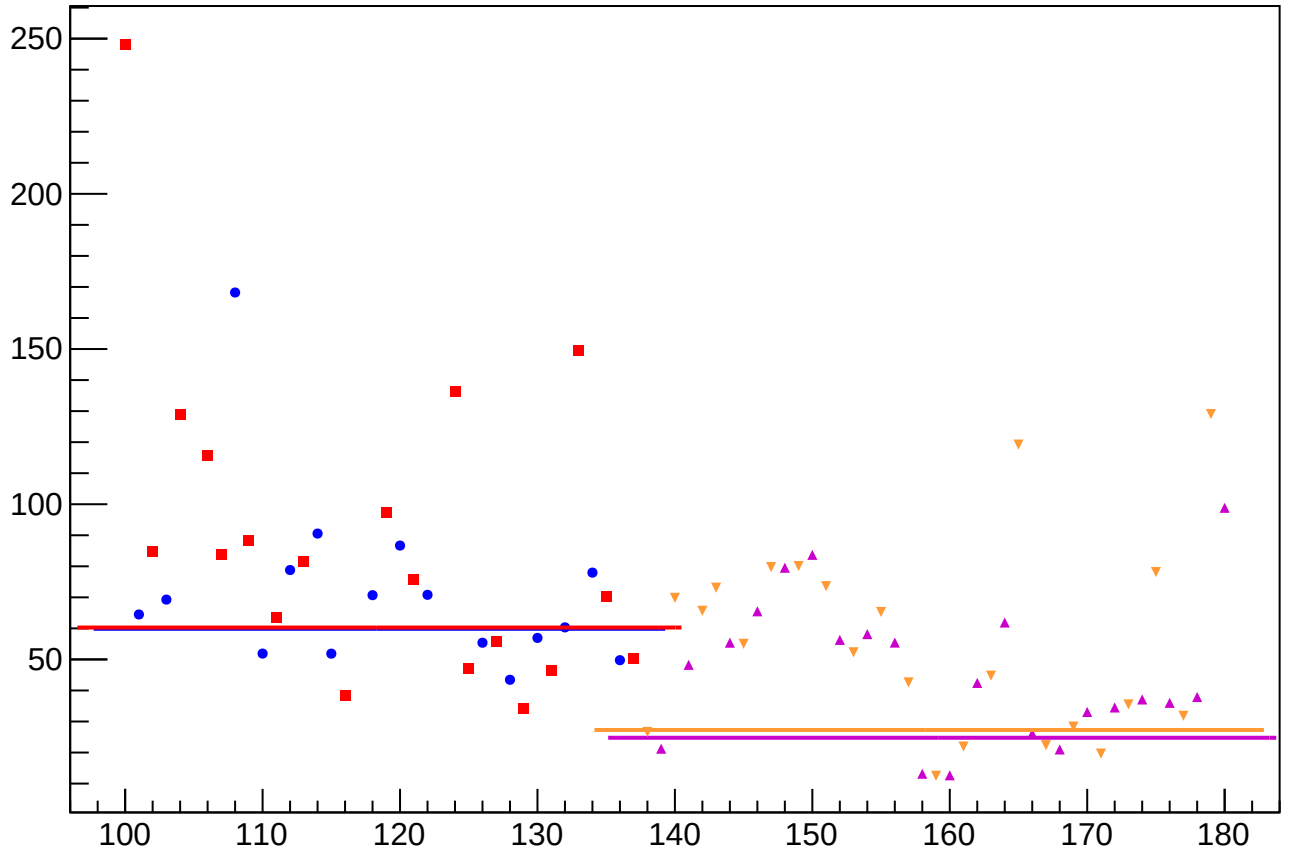
Left: -0.001+/-0.006 χ^2/NDF: 80.4/42

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:40.8/36

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.003+/-0.006 χ^2/NDF: 113.4/77



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.761+/-0.006 χ^2/NDF:8657171.8/20

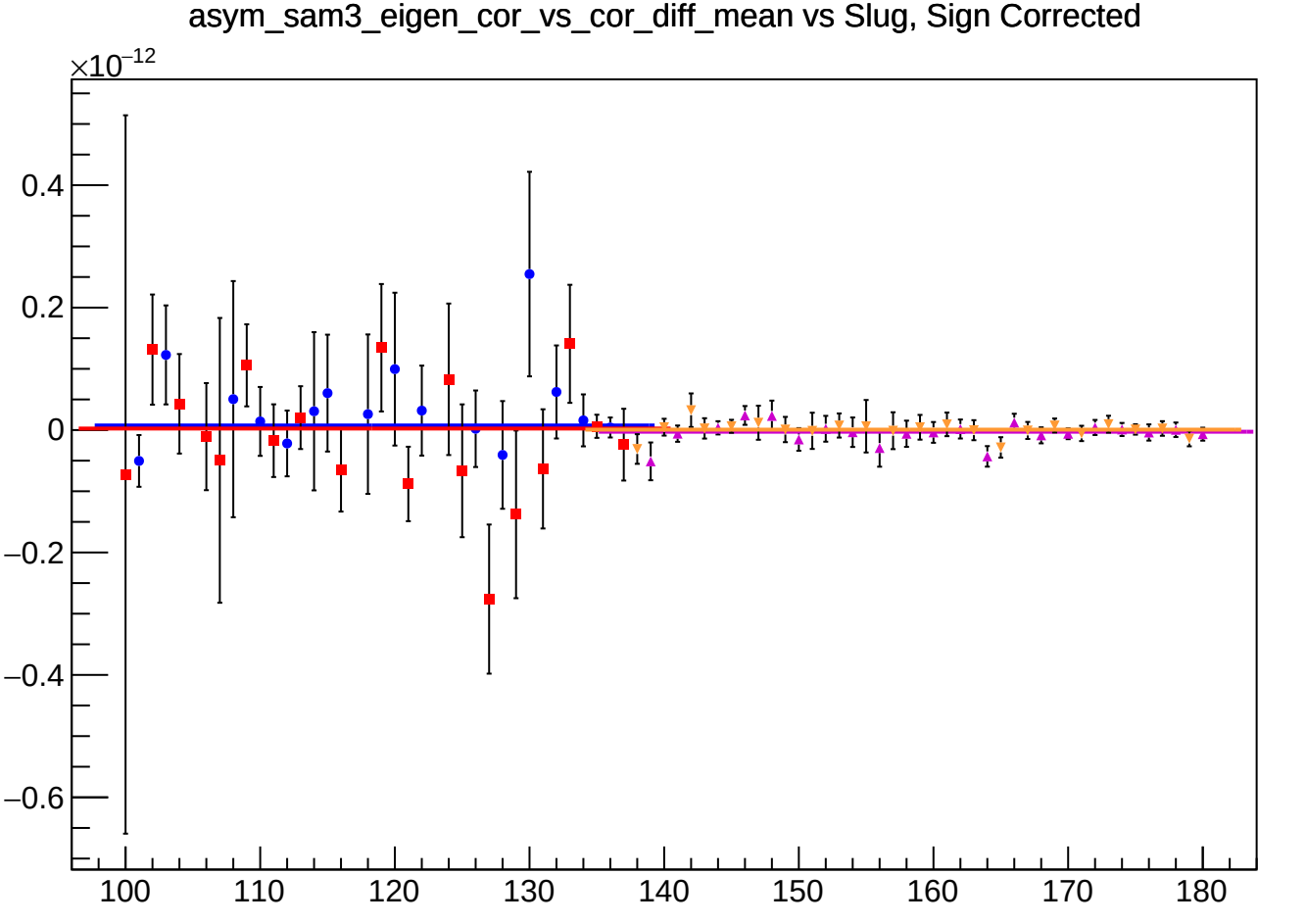
Left: 25.931+/-0.004 χ^2/NDF: 18079800.8/42

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 28.058+/-0.005 χ^2/NDF:13024656.1/36

Out: 30.633+/-0.006 χ^2/NDF:14369331.9/40

All: 29.263+/-0.004 χ^2/NDF: 27502527.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/20

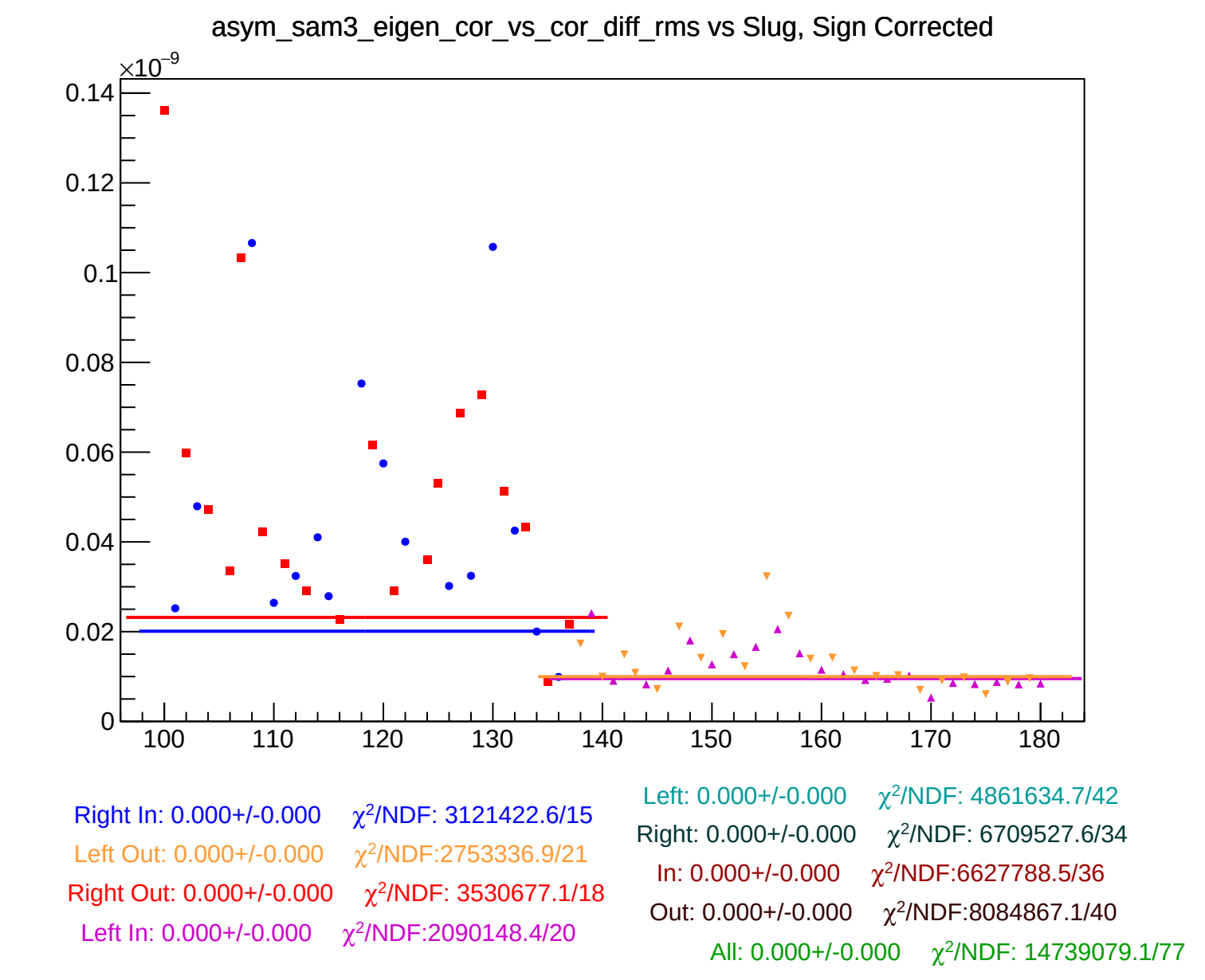
Left: -0.000+/-0.000 χ^2/NDF: 26.1/42

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

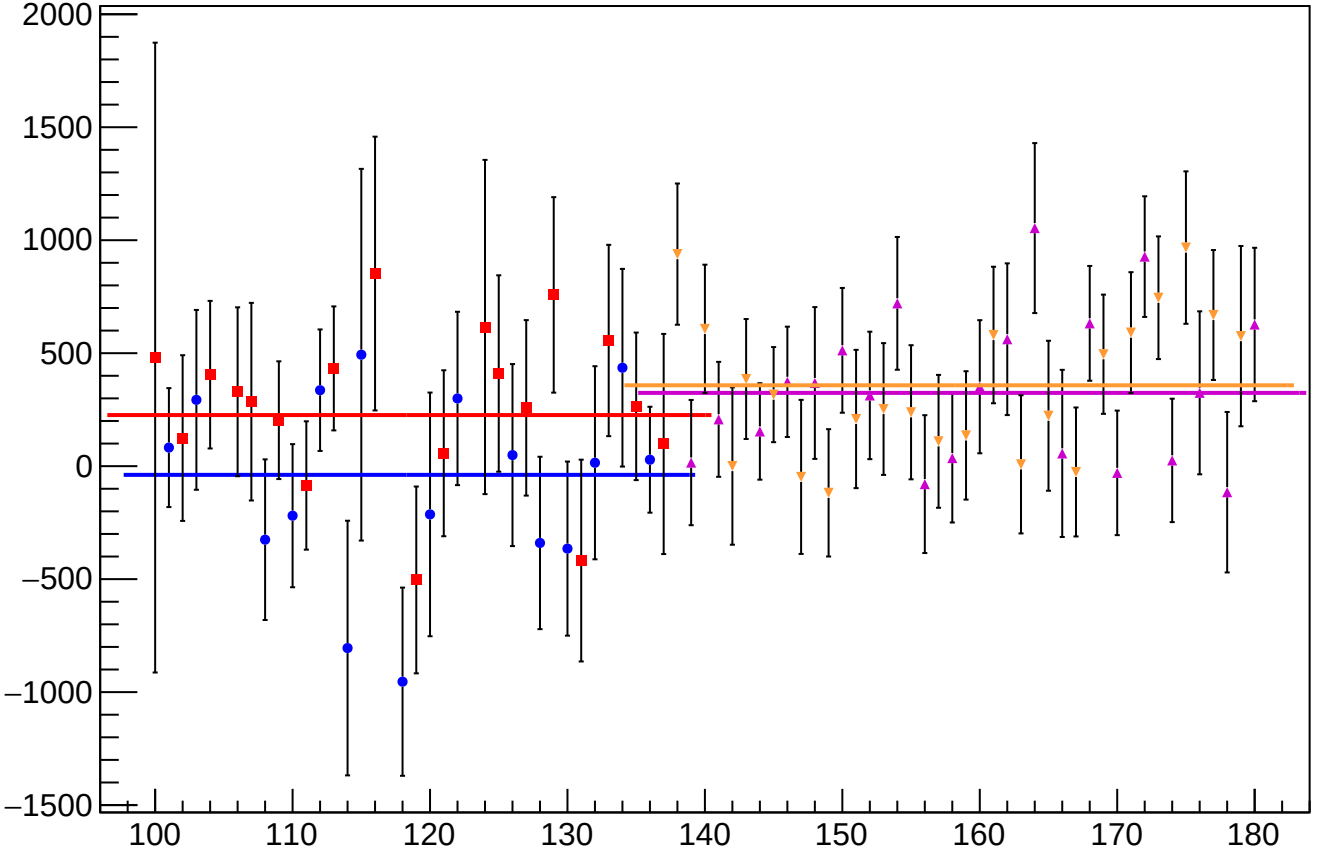
In: -0.000+/-0.000 χ^2/NDF:25.2/36

Out: 0.000+/-0.000 χ^2/NDF:29.0/40

All: -0.000+/-0.000 χ^2/NDF: 54.6/77


asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3121422.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2753336.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 3530677.1/18
Left In: 0.000+/-0.000 χ²/NDF:2090148.4/20
Left: 0.000+/-0.000 χ²/NDF: 4861634.7/42
Right: 0.000+/-0.000 χ²/NDF: 6709527.6/34
In: 0.000+/-0.000 χ²/NDF:6627788.5/36
Out: 0.000+/-0.000 χ²/NDF:8084867.1/40
All: 0.000+/-0.000 χ²/NDF: 14739079.1/77

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.913+/-62.175 χ^2/NDF:23.1/21

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 324.278+/-63.052 χ^2/NDF:23.7/20

Left: 341.331+/-44.271 χ^2/NDF: 47.0/42

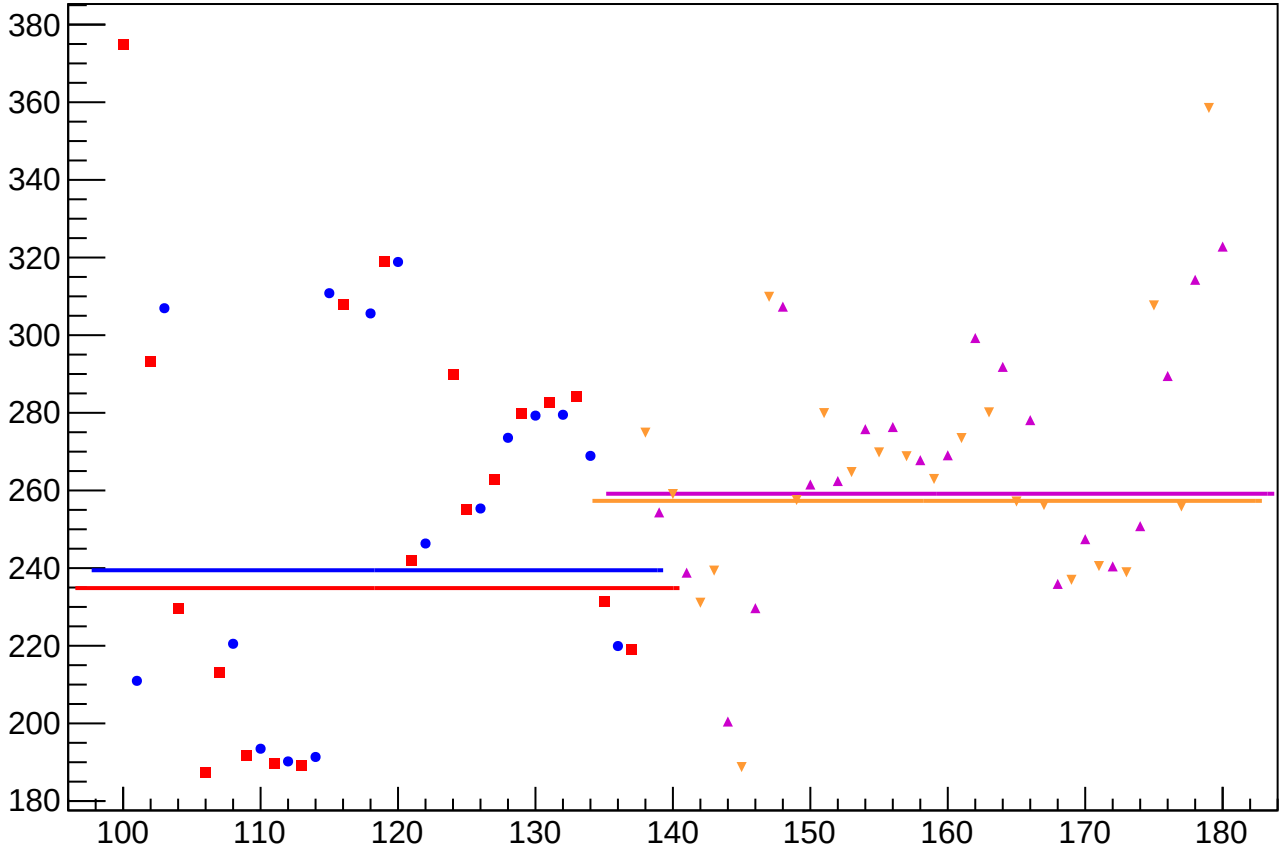
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 205.939+/-51.756 χ^2/NDF:49.0/36

Out: 313.984+/-50.762 χ^2/NDF:36.0/40

All: 261.010+/-36.240 χ^2/NDF: 87.2/77

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

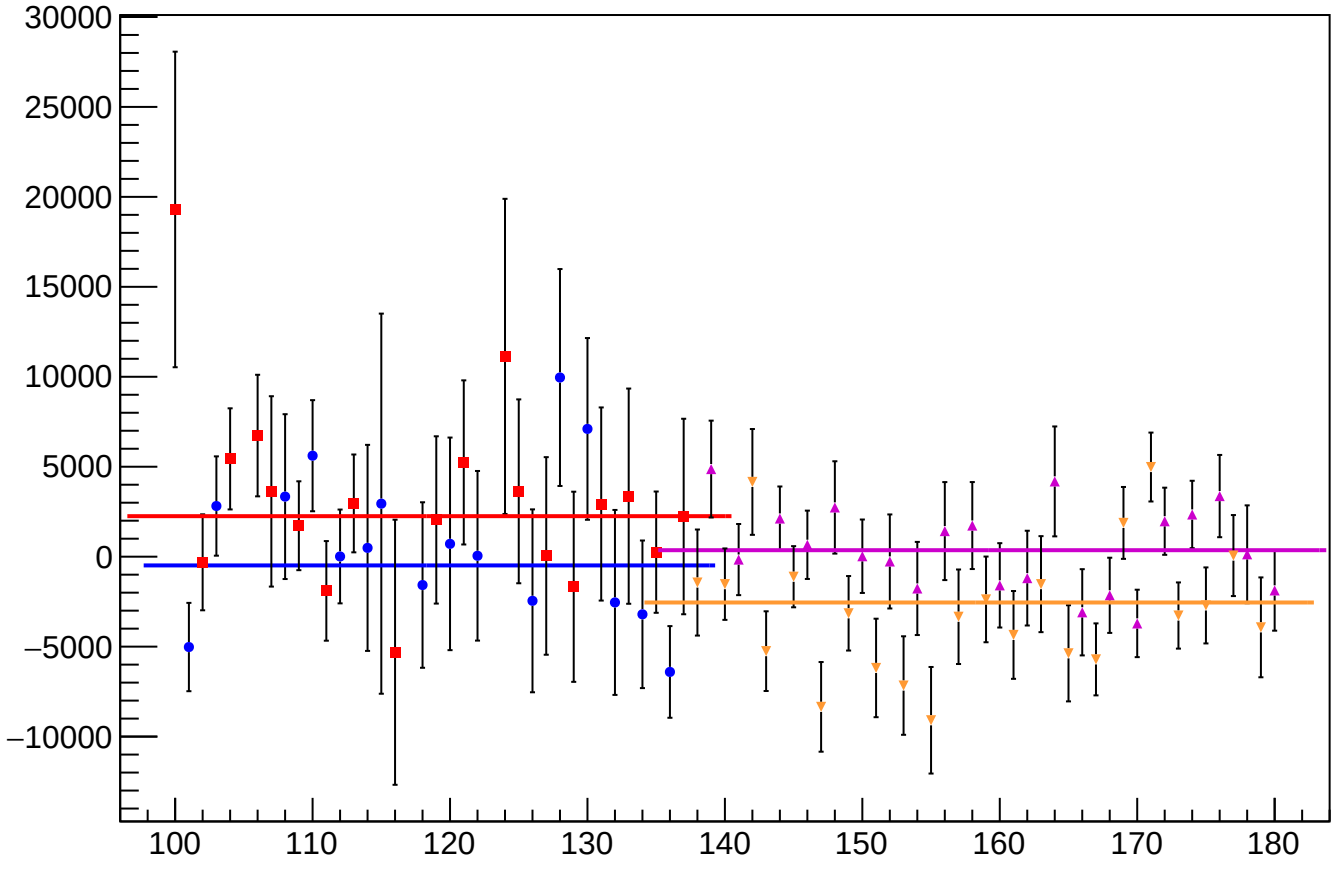
Left: 258.228+/-0.031 χ^2/NDF: 991869.4/42

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 252.728+/-0.037 χ^2/NDF:930252.9/36

Out: 249.832+/-0.036 χ^2/NDF:1094272.0/40

All: 251.252+/-0.026 χ^2/NDF: 2027715.8/77



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2546.562+/-488.036 χ^2/NDF:49.3/21

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 360.544+/-487.940 χ^2/NDF:21.4/20

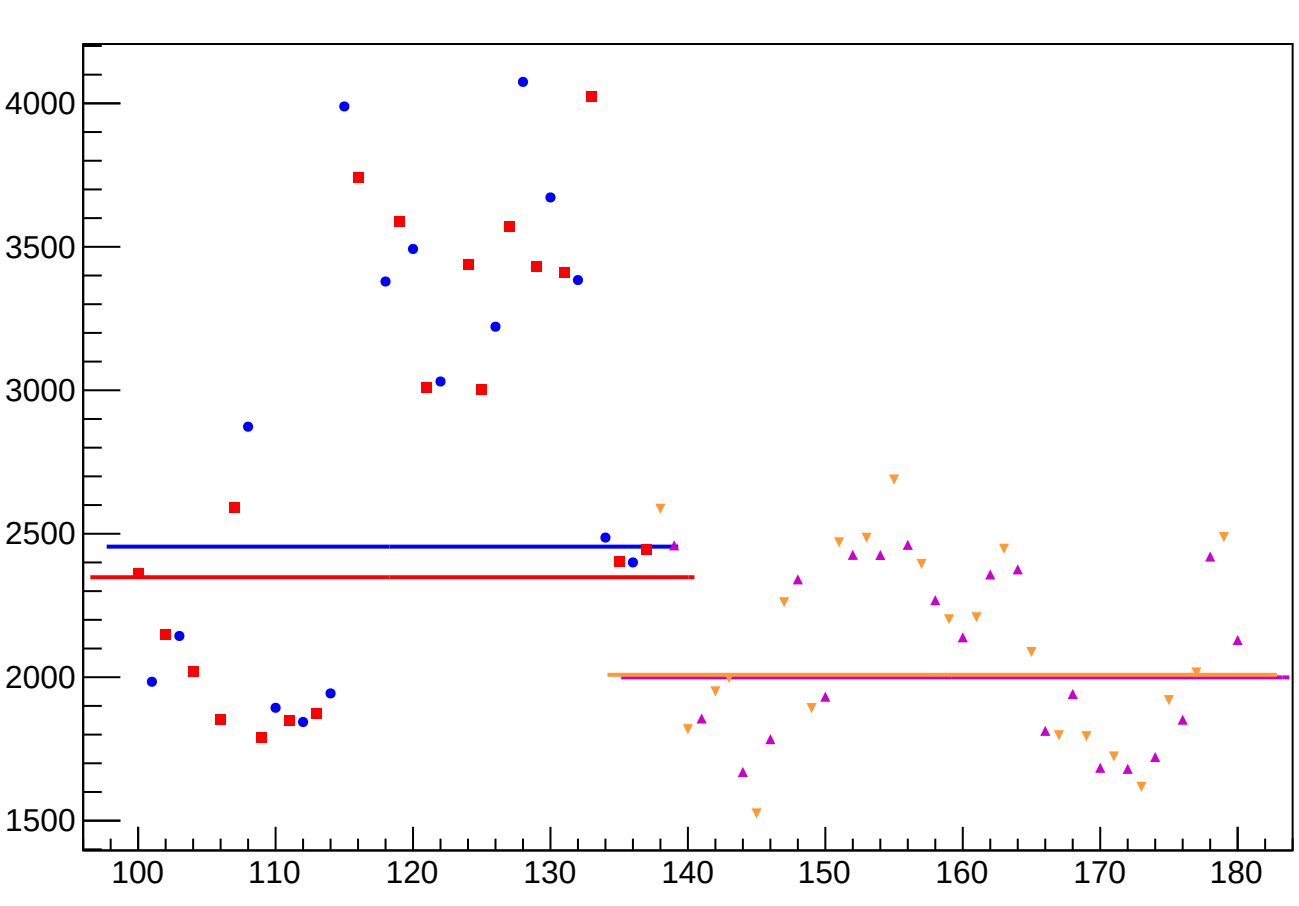
Left: -1092.722+/-345.060 χ^2/NDF: 88.5/42

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 183.101+/-433.793 χ^2/NDF:43.2/36

Out: -1445.212+/-428.383 χ^2/NDF:85.4/40

All: -641.273+/-304.807 χ^2/NDF: 135.7/77



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.2/21

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1999.338+/-0.345 χ^2/NDF:701001.0/20

Left: 2003.882+/-0.244 χ^2/NDF: 1578034.1/42

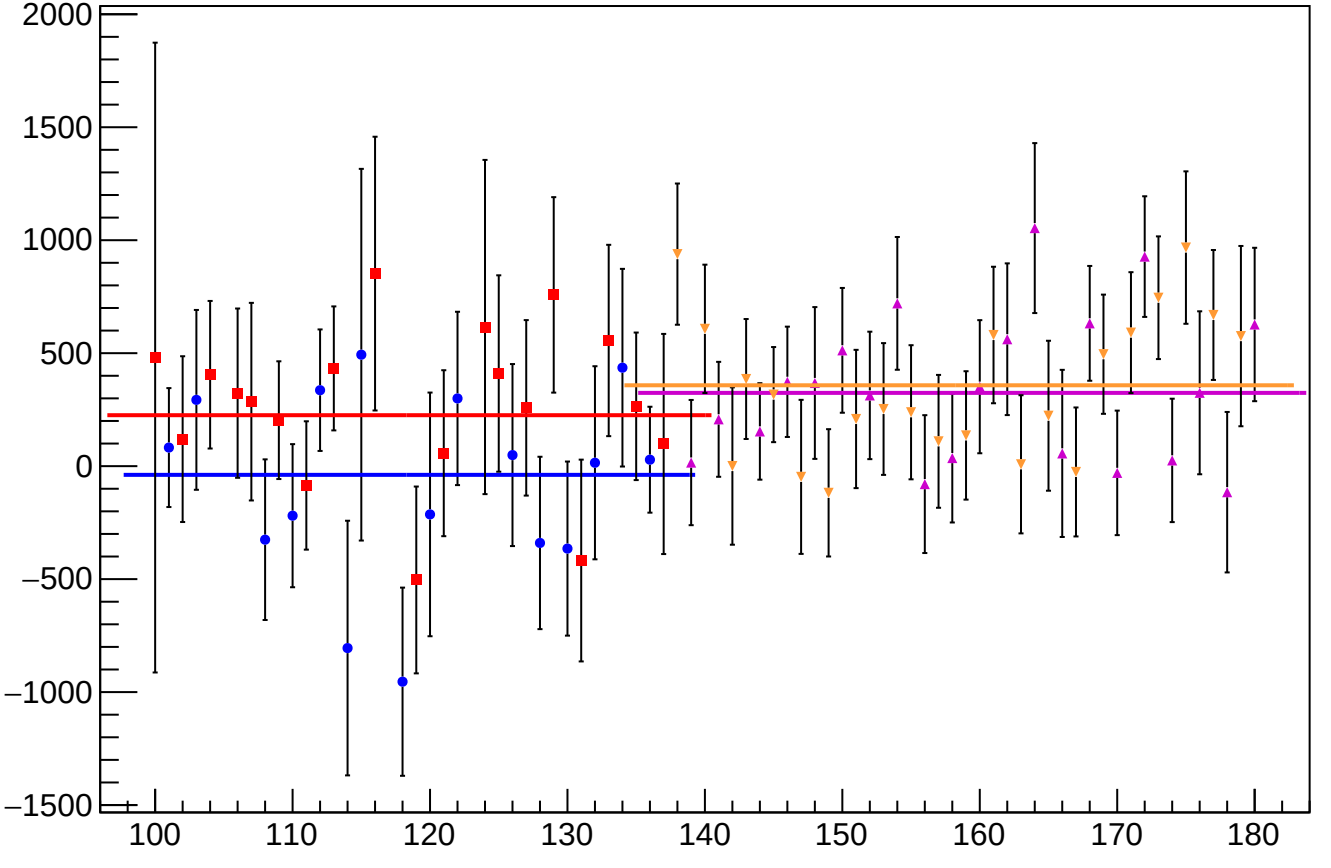
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2094.878+/-0.307 χ^2/NDF:1961173.0/36

Out: 2086.469+/-0.303 χ^2/NDF:2151928.8/40

All: 2090.621+/-0.216 χ^2/NDF: 4113482.3/77

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 324.282+/-63.052 χ^2/NDF:23.7/20

Left: 341.339+/-44.271 χ^2/NDF: 47.0/42

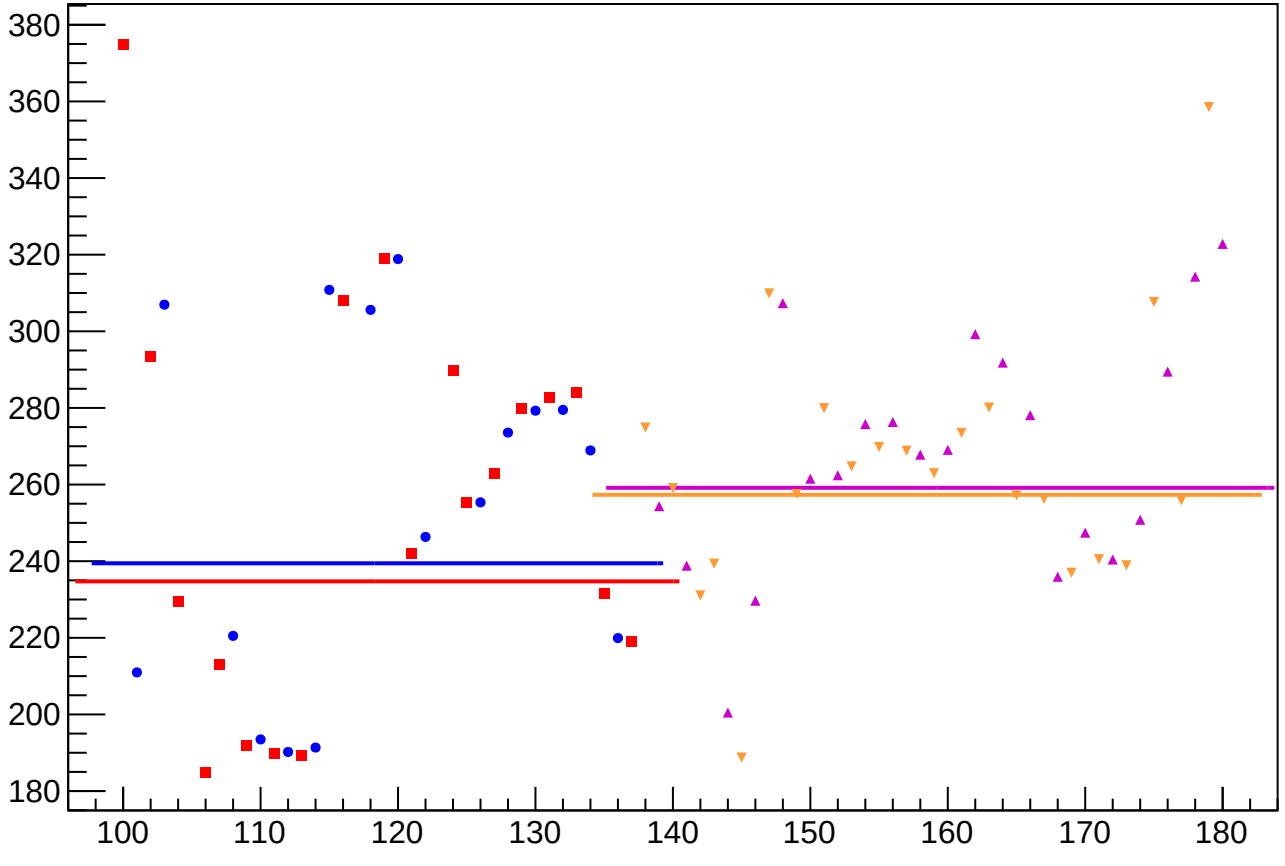
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 205.935+/-51.756 χ^2/NDF:49.0/36

Out: 313.784+/-50.764 χ^2/NDF:36.0/40

All: 260.903+/-36.241 χ^2/NDF: 87.2/77

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

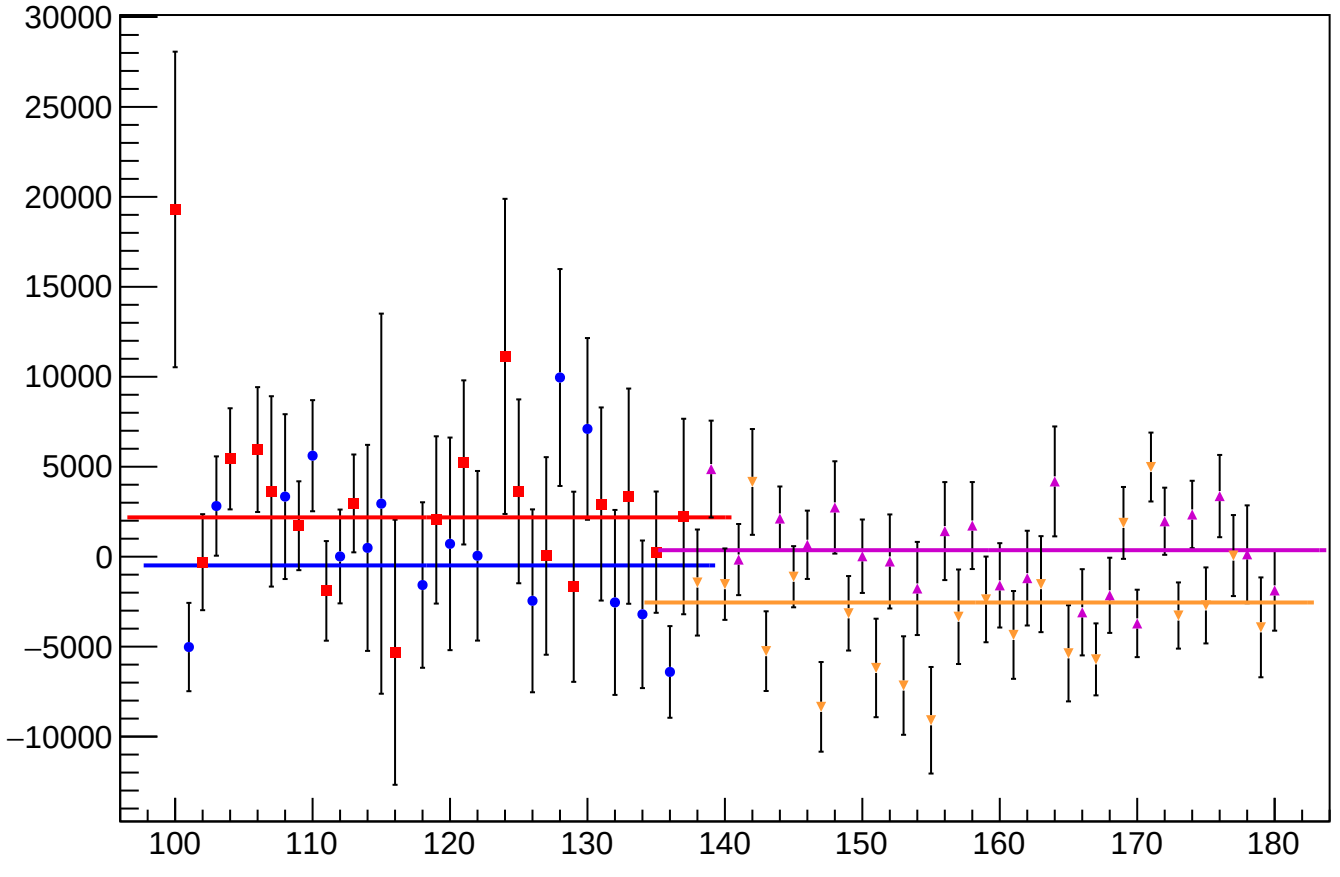
Left: 258.228+/-0.031 χ^2/NDF: 991869.5/42

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 252.728+/-0.037 χ^2/NDF:930254.9/36

Out: 249.793+/-0.036 χ^2/NDF:1098723.0/40

All: 251.232+/-0.026 χ^2/NDF: 2032255.3/77



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 360.549+/-487.940 χ^2/NDF:21.4/20

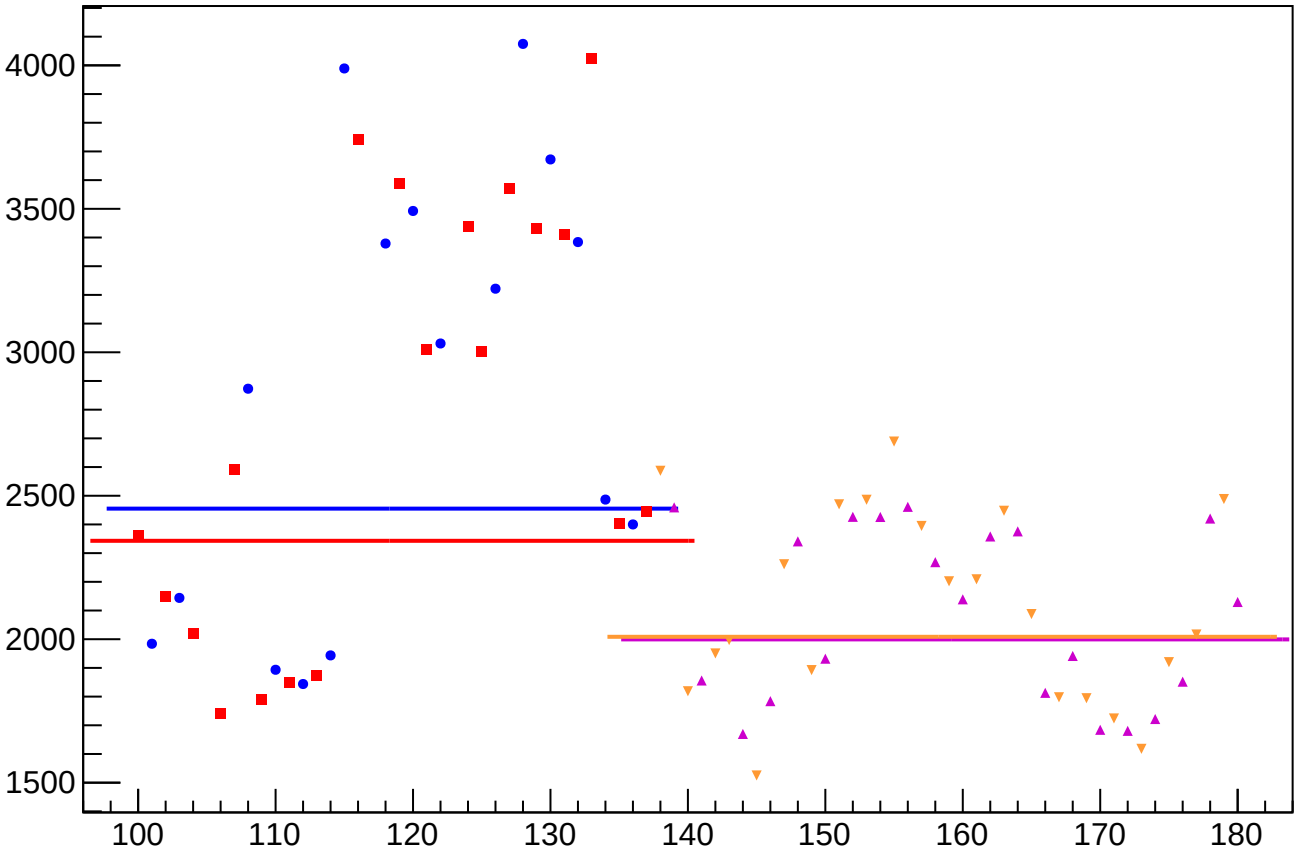
Left: -1092.713+/-345.060 χ^2/NDF: 88.5/42

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 183.071+/-433.794 χ^2/NDF:43.2/36

Out: -1463.754+/-428.569 χ^2/NDF:84.1/40

All: -650.320+/-304.875 χ^2/NDF: 134.5/77



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

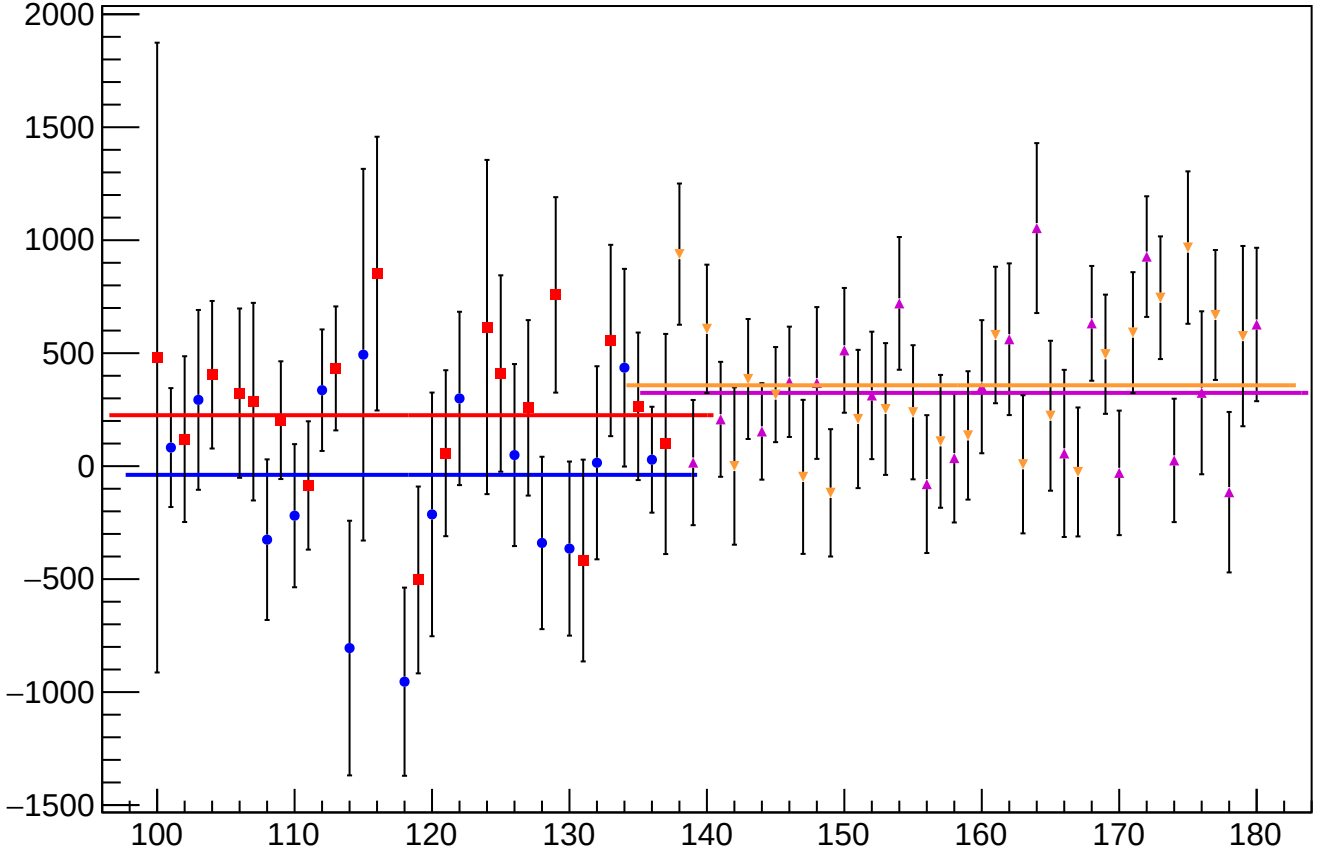
Left: 2003.882+/-0.244 χ^2/NDF: 1578035.4/42

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.883+/-0.307 χ^2/NDF:1961175.8/36

Out: 2084.985+/-0.303 χ^2/NDF:2162130.0/40

All: 2089.874+/-0.216 χ^2/NDF: 4123832.7/77



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 324.282+/-63.052 χ^2/NDF:23.7/20

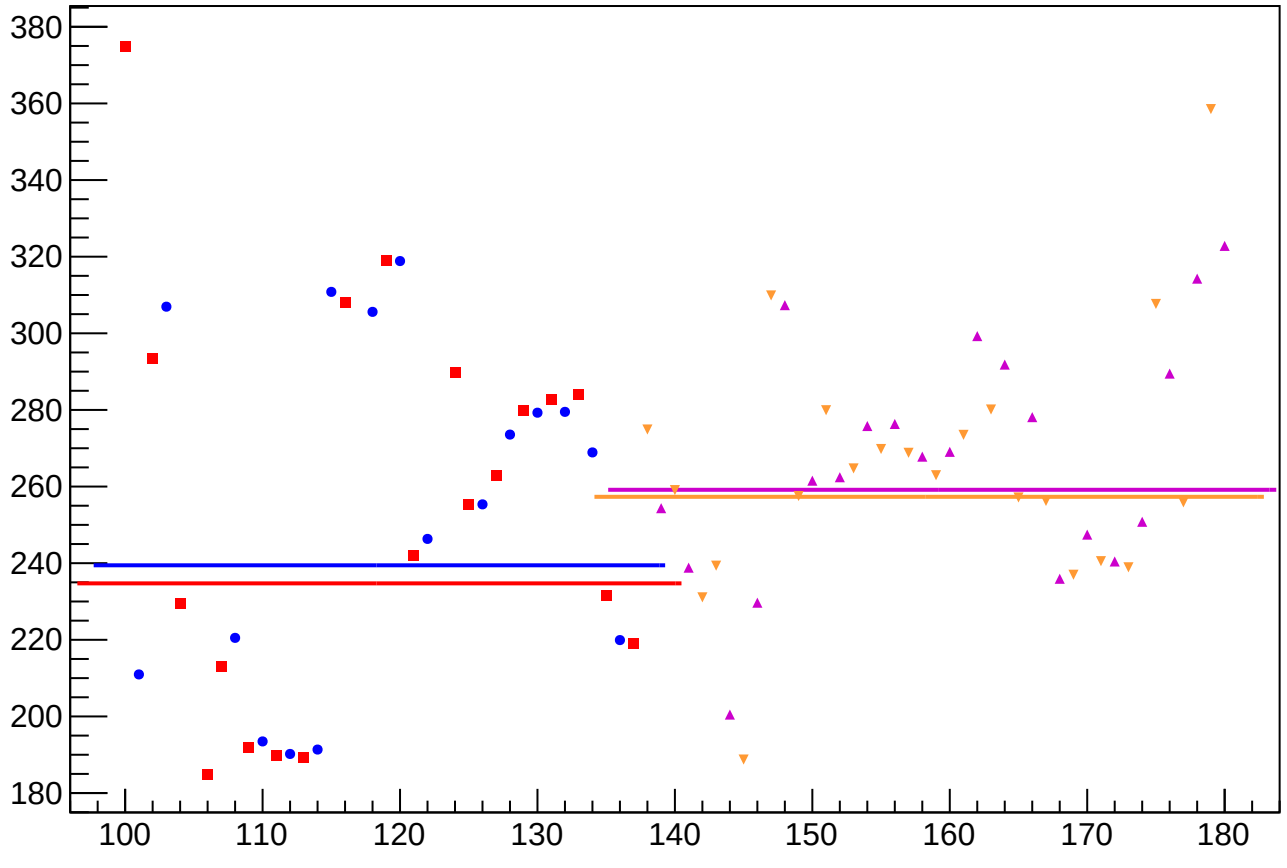
Left: 341.339+/-44.271 χ^2/NDF: 47.0/42

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 205.935+/-51.756 χ^2/NDF:49.0/36

Out: 313.784+/-50.764 χ^2/NDF:36.0/40

All: 260.903+/-36.241 χ^2/NDF: 87.2/77



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 259.157+/-0.045 χ^2/NDF:465559.2/20

Left: 258.228+/-0.031 χ^2/NDF: 991869.5/42

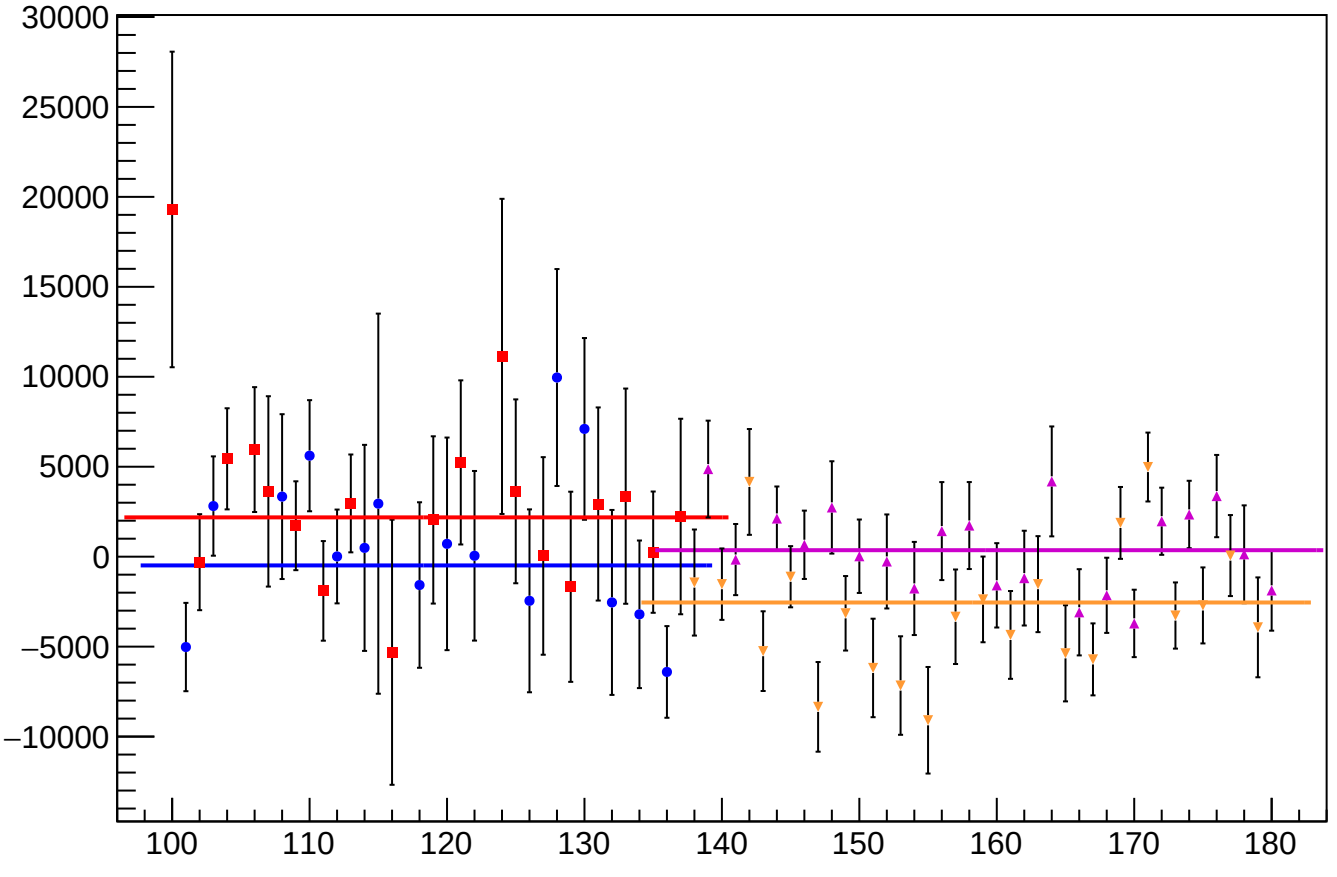
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 252.728+/-0.037 χ^2/NDF:930254.9/36

Out: 249.793+/-0.036 χ^2/NDF:1098723.0/40

All: 251.232+/-0.026 χ^2/NDF: 2032255.3/77

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 360.549+/-487.940 χ^2/NDF:21.4/20

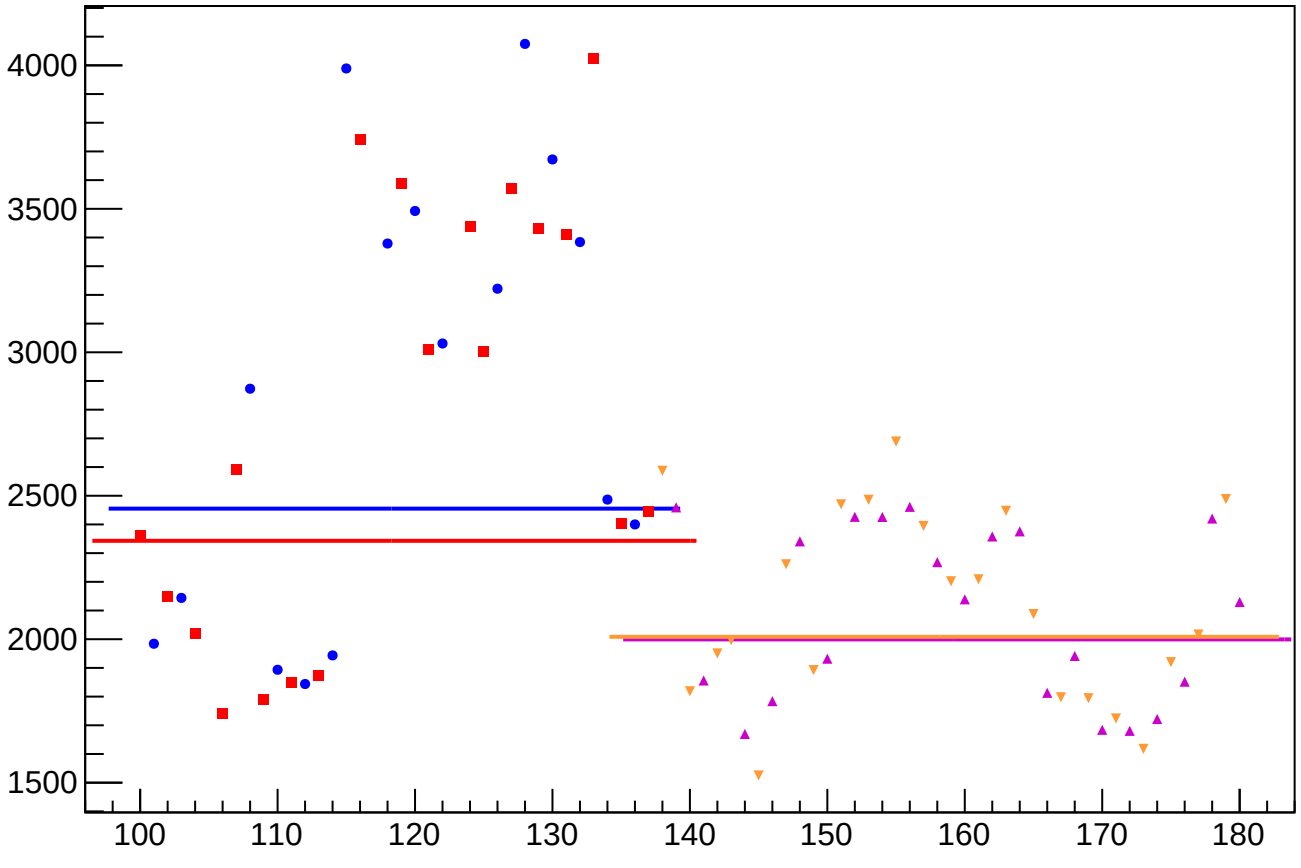
Left: -1092.713+/-345.060 χ^2/NDF: 88.5/42

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 183.071+/-433.794 χ^2/NDF:43.2/36

Out: -1463.754+/-428.569 χ^2/NDF:84.1/40

All: -650.320+/-304.875 χ^2/NDF: 134.5/77



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1999.339+/-0.345 χ^2/NDF:701001.6/20

Left: 2003.882+/-0.244 χ^2/NDF: 1578035.4/42

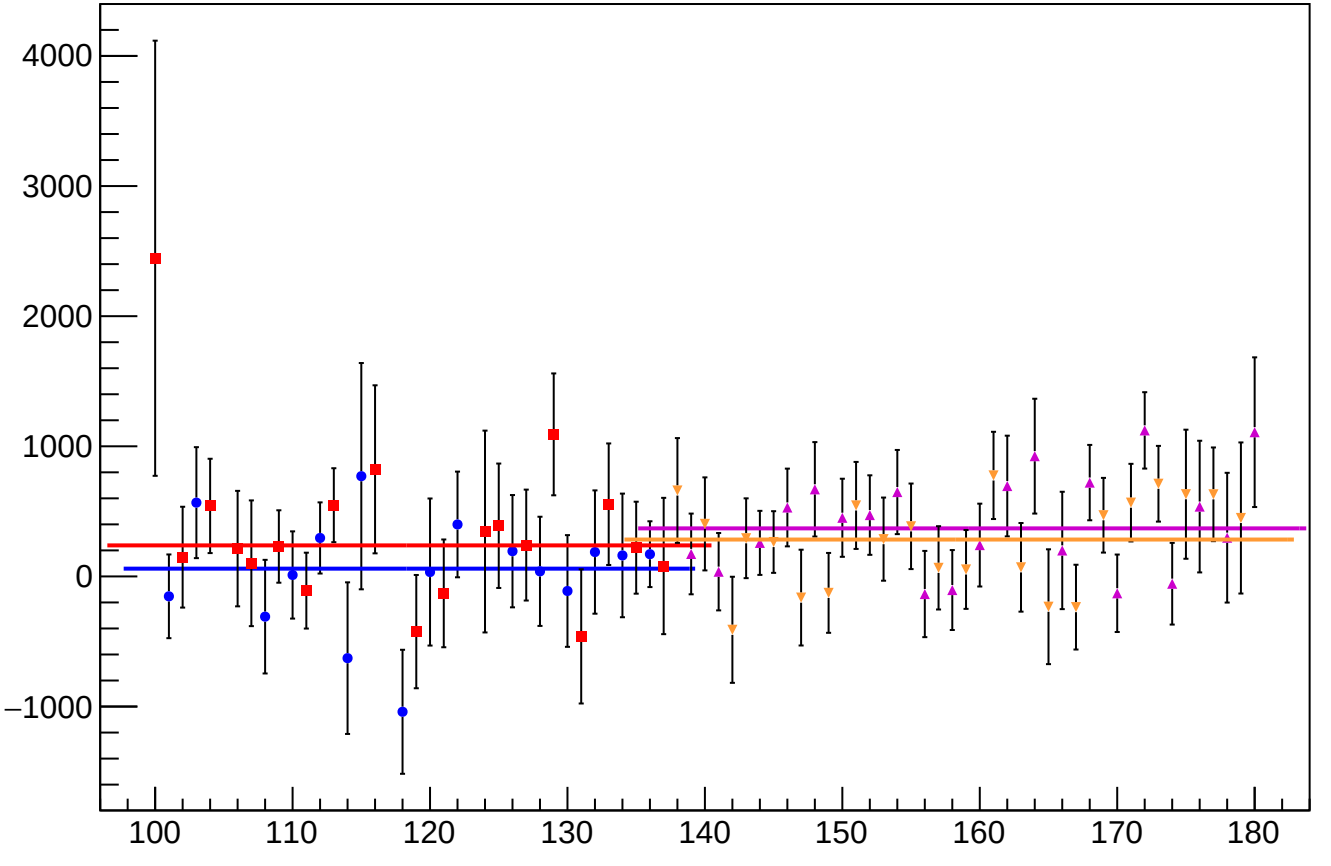
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2094.883+/-0.307 χ^2/NDF:1961175.8/36

Out: 2084.985+/-0.303 χ^2/NDF:2162130.0/40

All: 2089.874+/-0.216 χ^2/NDF: 4123832.7/77

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.462+/-71.226 χ^2/NDF:20.4/21

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 369.223+/-72.430 χ^2/NDF:25.5/20

Left: 325.624+/-50.785 χ^2/NDF: 46.6/42

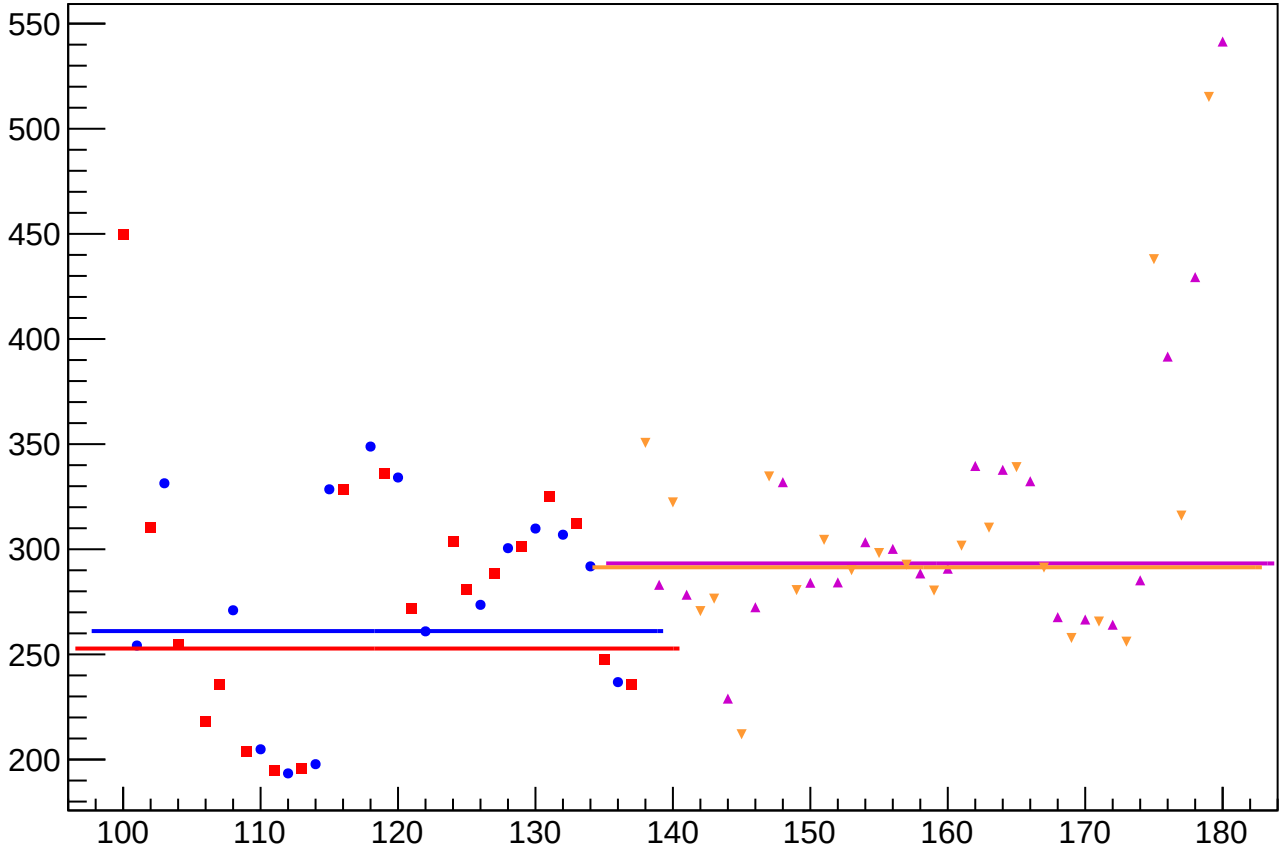
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 261.644+/-58.503 χ^2/NDF:43.9/36

Out: 267.302+/-57.001 χ^2/NDF:35.5/40

All: 264.547+/-40.827 χ^2/NDF: 79.3/77

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.3/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 293.262+/-0.051 χ^2/NDF:896977.3/20

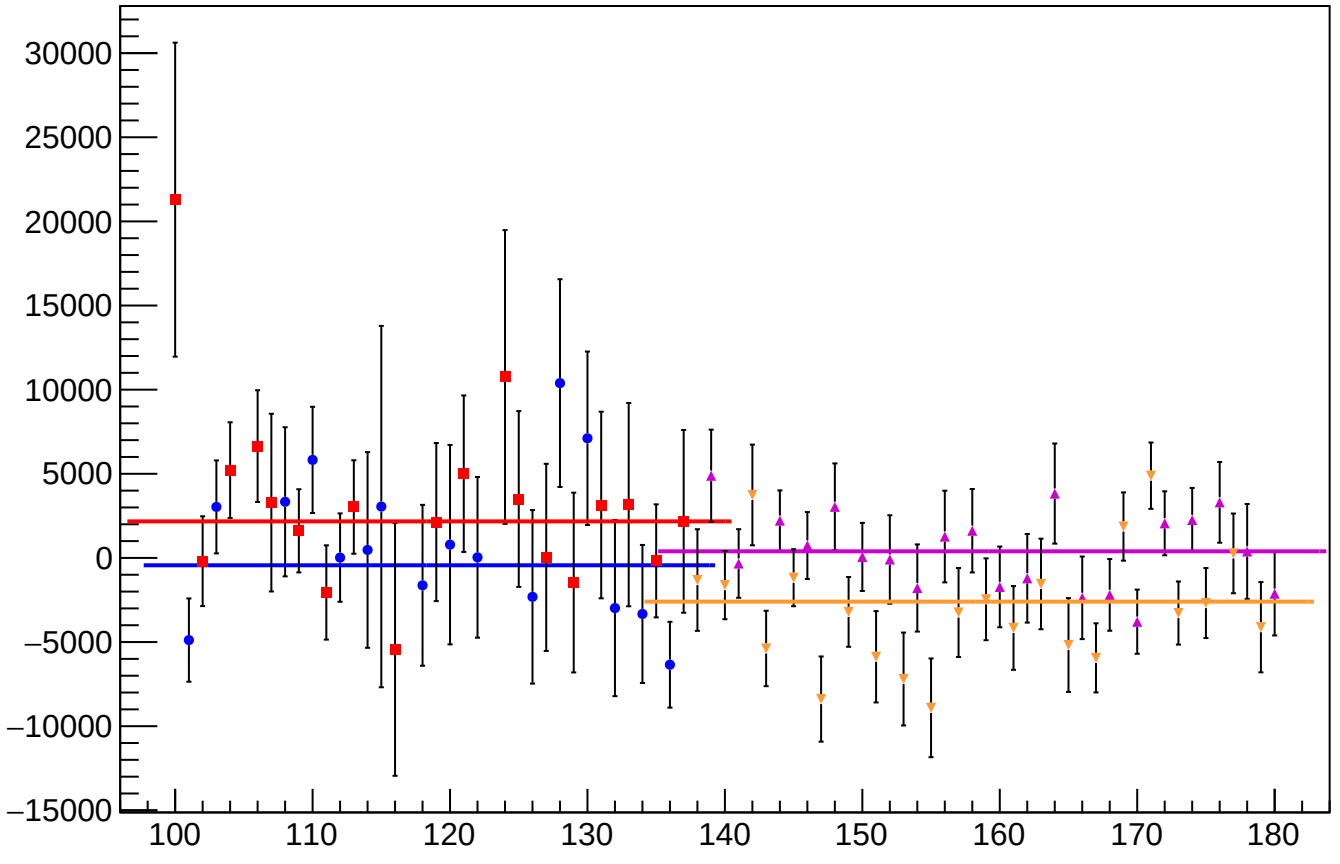
Left: 292.325+/-0.036 χ^2/NDF: 1811135.2/42

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 282.078+/-0.041 χ^2/NDF:1496803.1/36

Out: 277.529+/-0.040 χ^2/NDF:1662338.0/40

All: 279.745+/-0.029 χ^2/NDF: 3165344.5/77



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2598.044+/-494.163 χ^2/NDF:46.6/21

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 392.939+/-498.067 χ^2/NDF:20.3/20

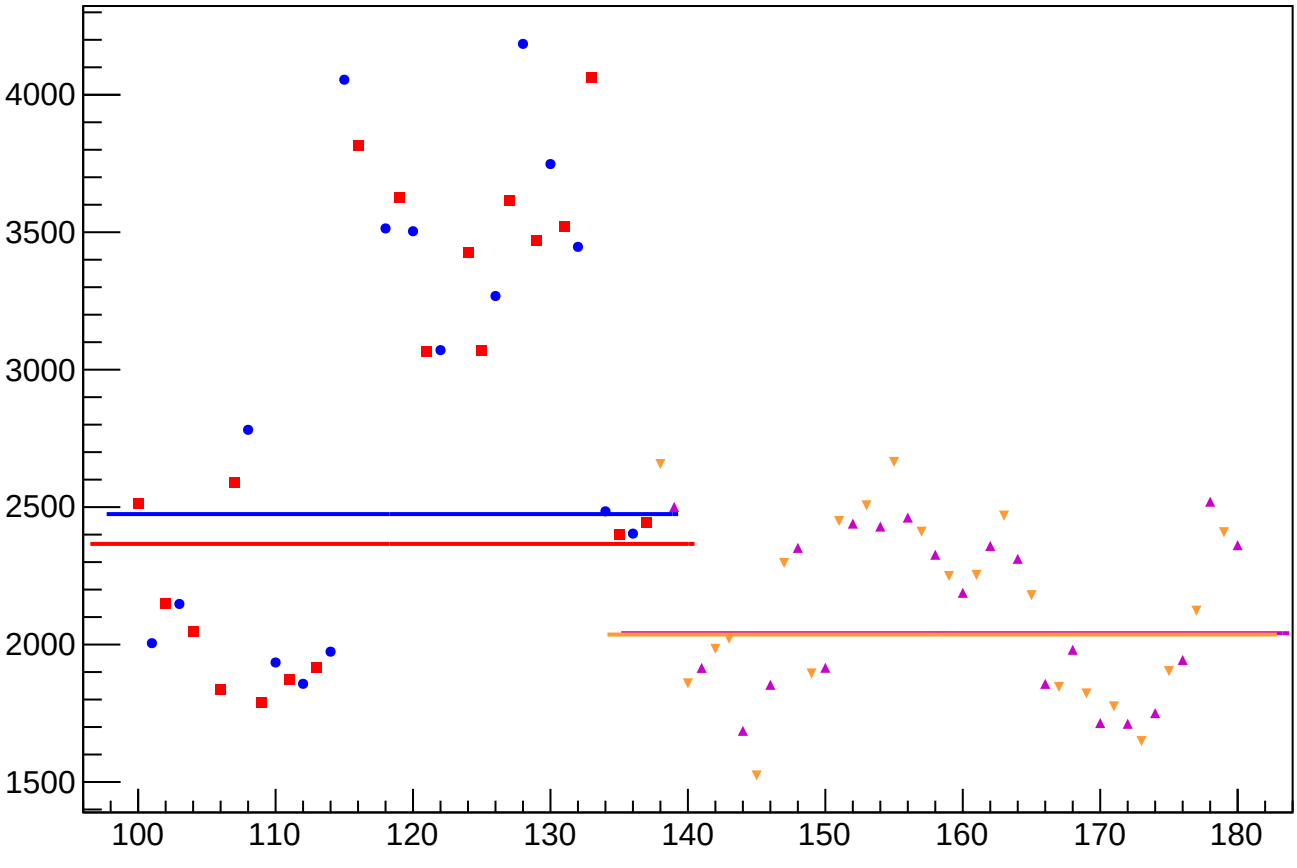
Left: -1114.322+/-350.798 χ^2/NDF: 85.1/42

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 215.564+/-441.629 χ^2/NDF:42.1/36

Out: -1495.154+/-433.286 χ^2/NDF:82.2/40

All: -656.106+/-309.287 χ^2/NDF: 131.9/77



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2036.475+/-0.349 χ^2/NDF:846888.4/21

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2041.354+/-0.352 χ^2/NDF:687605.2/20

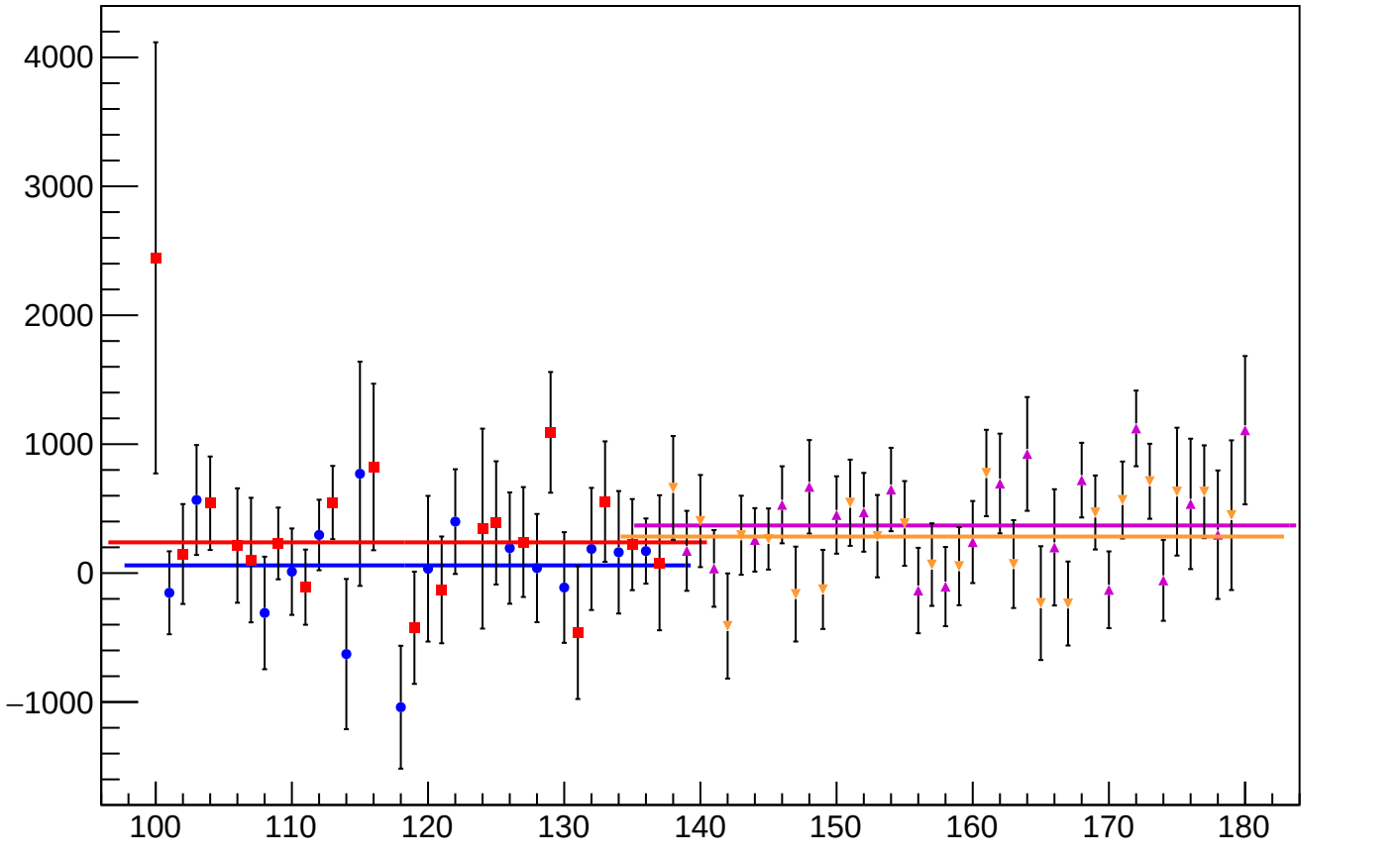
Left: 2038.896+/-0.248 χ^2/NDF: 1534590.3/42

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2133.982+/-0.312 χ^2/NDF:1927414.5/36

Out: 2112.715+/-0.306 χ^2/NDF:2129960.5/40

All: 2123.146+/-0.219 χ^2/NDF: 4059738.3/77



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.466+/-71.226 χ^2/NDF:20.4/21

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 369.224+/-72.430 χ^2/NDF:25.5/20

Left: 325.627+/-50.785 χ^2/NDF: 46.6/42

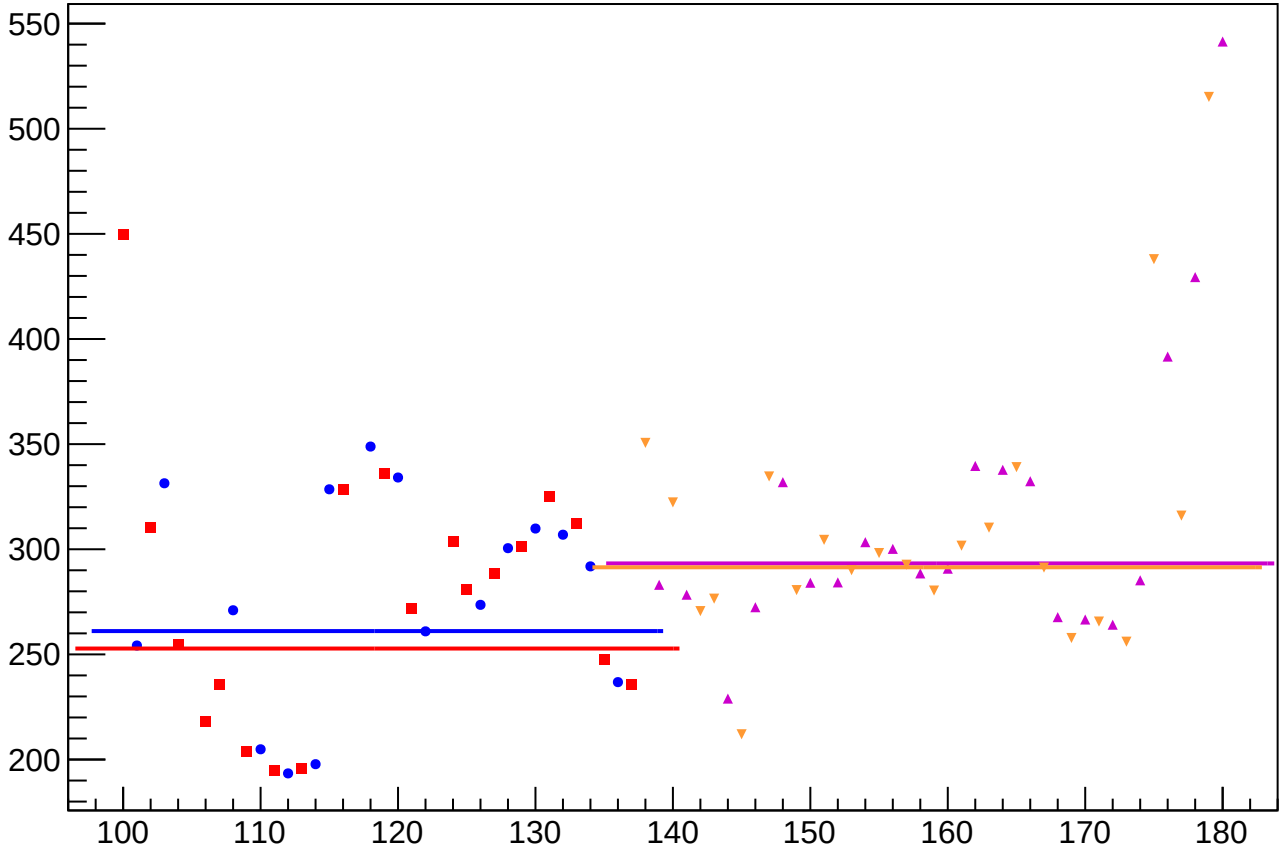
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 261.646+/-58.503 χ^2/NDF:43.9/36

Out: 267.304+/-57.001 χ^2/NDF:35.5/40

All: 264.549+/-40.827 χ^2/NDF: 79.3/77

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.8/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 293.262+/-0.051 χ^2/NDF:896958.0/20

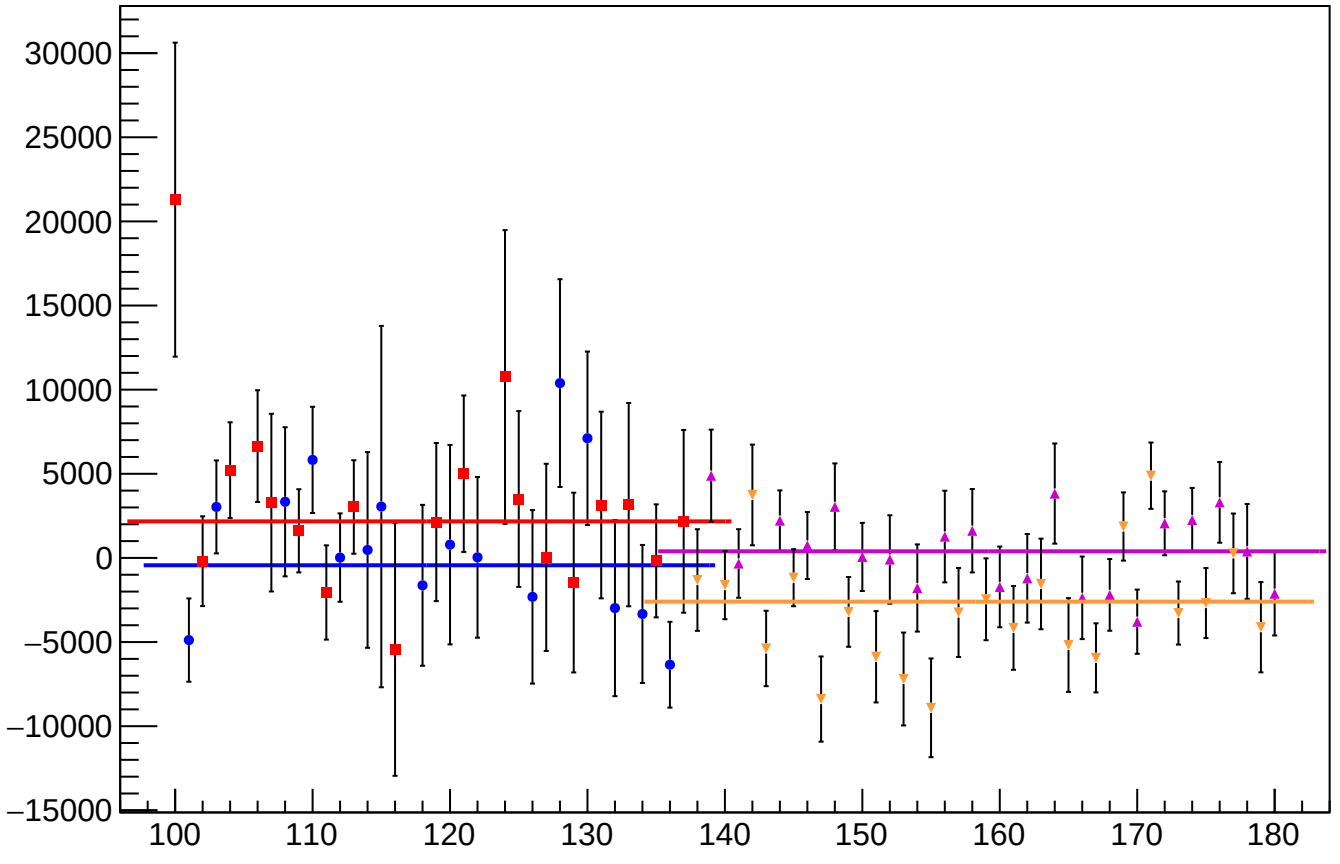
Left: 292.325+/-0.036 χ^2/NDF: 1811116.4/42

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 282.079+/-0.041 χ^2/NDF:1496788.4/36

Out: 277.530+/-0.040 χ^2/NDF:1662345.2/40

All: 279.745+/-0.029 χ^2/NDF: 3165337.1/77



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2598.039+/-494.162 χ^2/NDF:46.6/21

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 392.936+/-498.067 χ^2/NDF:20.3/20

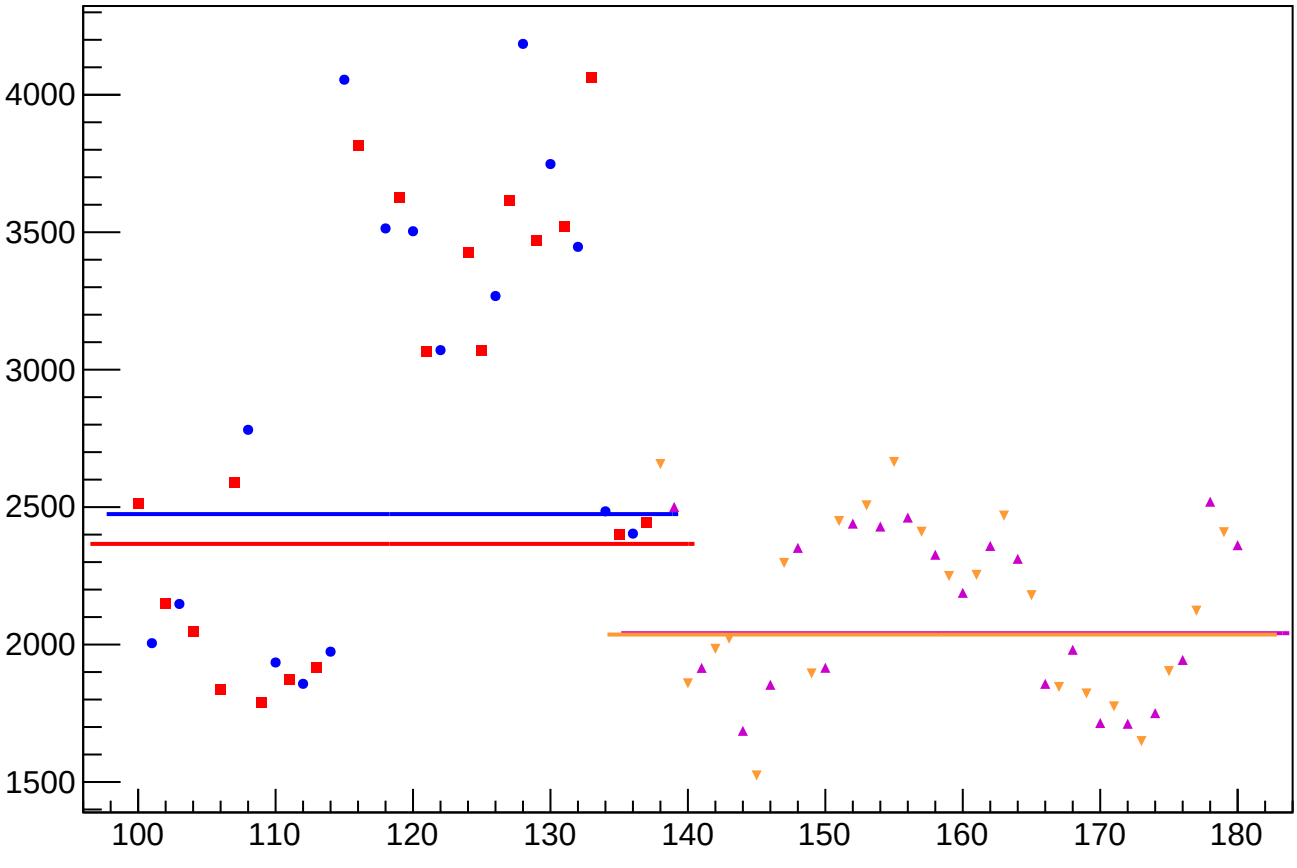
Left: -1114.321+/-350.798 χ^2/NDF: 85.1/42

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 215.562+/-441.628 χ^2/NDF:42.1/36

Out: -1495.152+/-433.286 χ^2/NDF:82.2/40

All: -656.106+/-309.287 χ^2/NDF: 131.9/77



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2036.472+/-0.349 χ^2/NDF:846890.6/21

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2041.351+/-0.352 χ^2/NDF:687603.3/20

Left: 2038.893+/-0.248 χ^2/NDF: 1534590.6/42

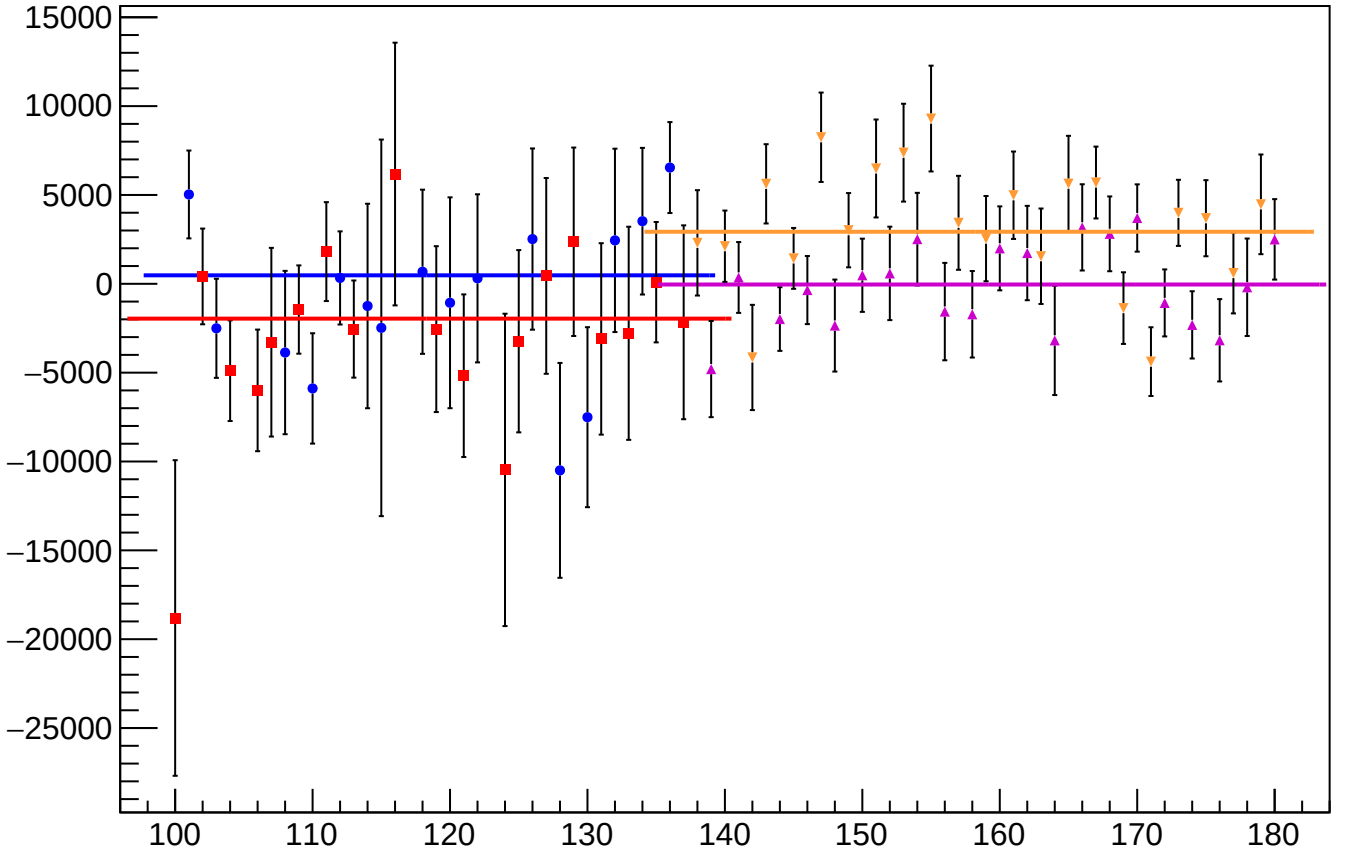
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2133.980+/-0.312 χ^2/NDF:1927418.5/36

Out: 2112.712+/-0.306 χ^2/NDF:2129967.2/40

All: 2123.143+/-0.219 χ^2/NDF: 4059748.9/77

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2928.985+/-492.289 χ^2/NDF:46.0/21

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -39.539+/-492.298 χ^2/NDF:21.6/20

Left: 1444.748+/-348.104 χ^2/NDF: 85.8/42

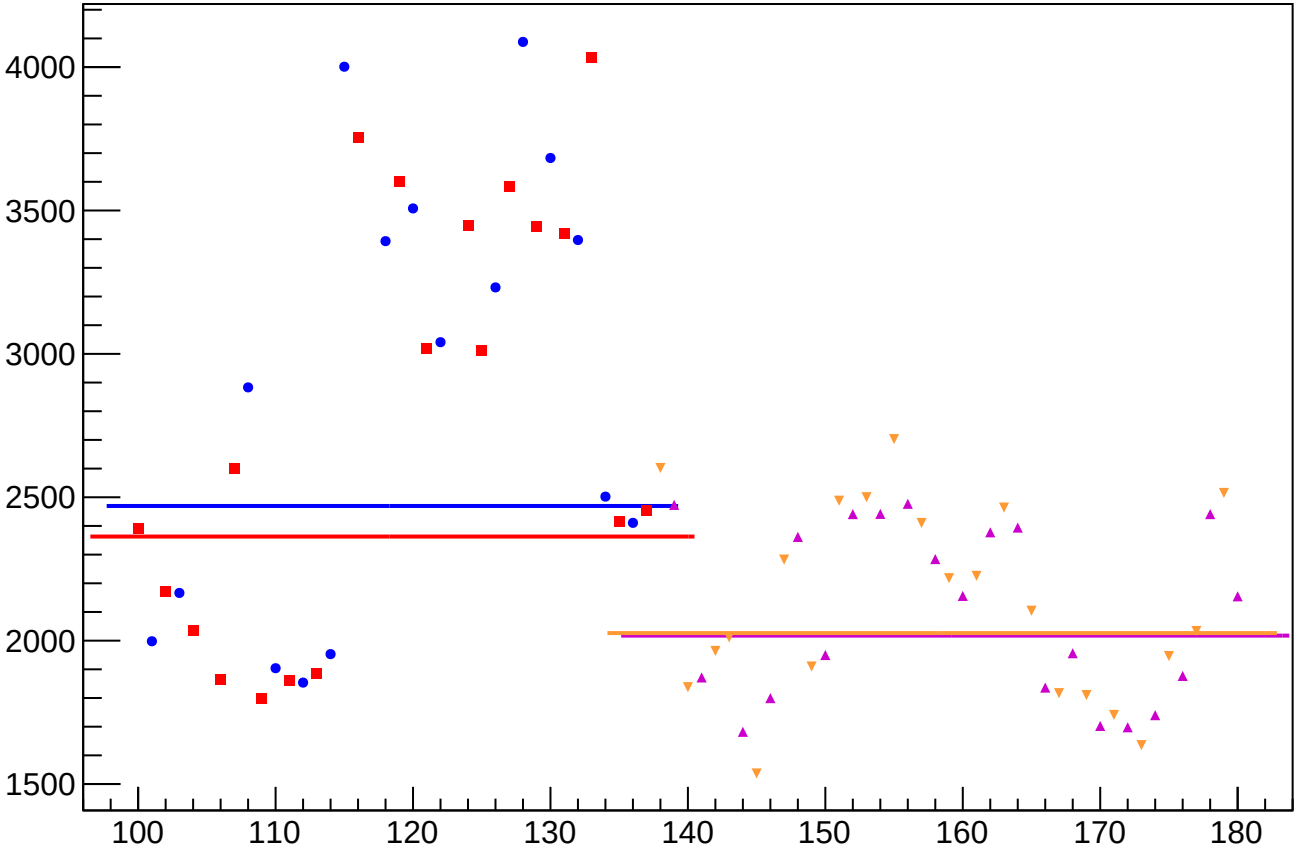
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 69.370+/-437.362 χ^2/NDF:43.9/36

Out: 1802.628+/-431.867 χ^2/NDF:81.6/40

All: 946.956+/-307.300 χ^2/NDF: 133.4/77

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2026.382+/-0.348 χ^2/NDF:865656.2/21

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2017.567+/-0.348 χ^2/NDF:690843.5/20

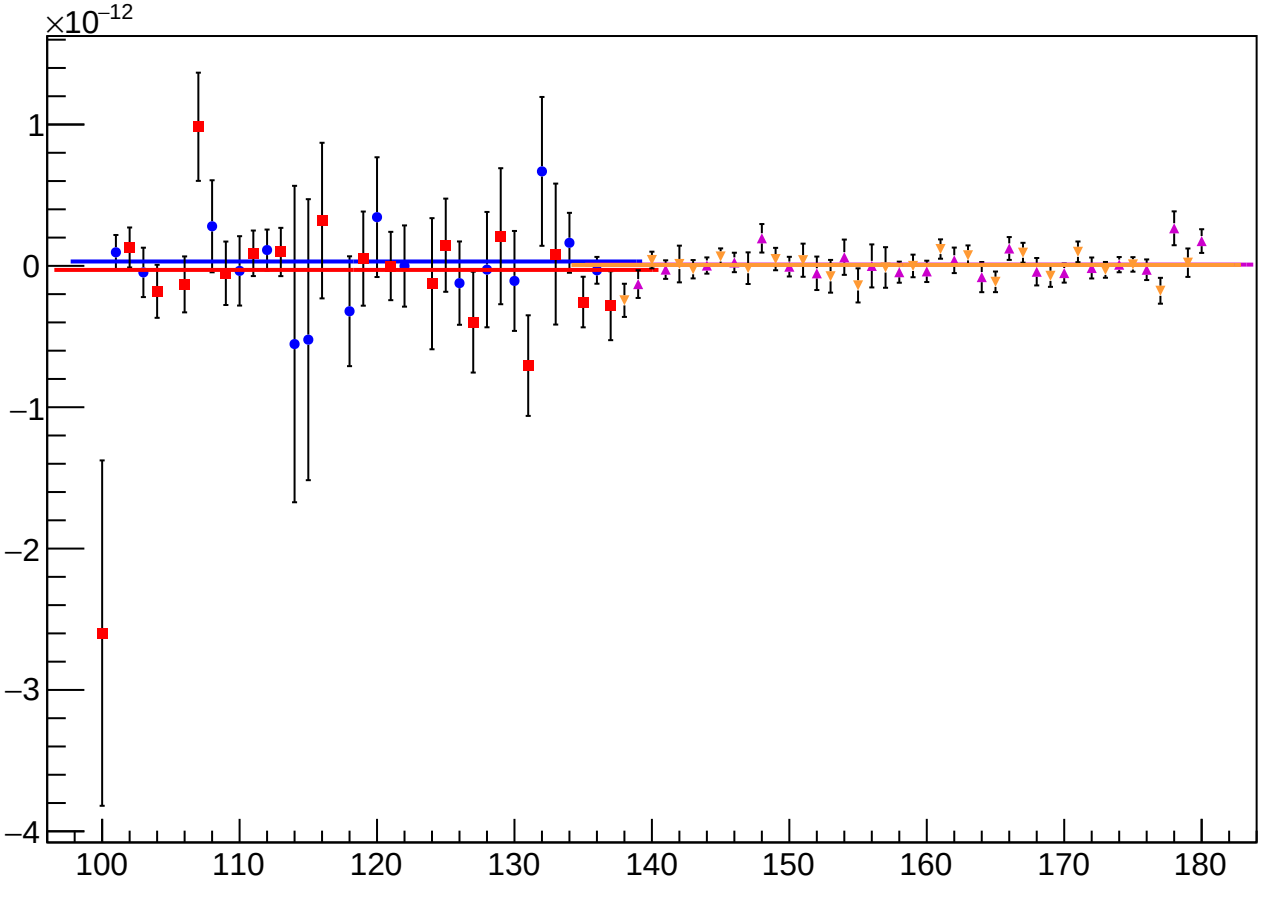
Left: 2021.975+/-0.246 χ^2/NDF: 1556820.3/42

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2112.831+/-0.309 χ^2/NDF:1932418.0/36

Out: 2103.955+/-0.305 χ^2/NDF:2124527.0/40

All: 2108.337+/-0.217 χ^2/NDF: 4057362.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/20

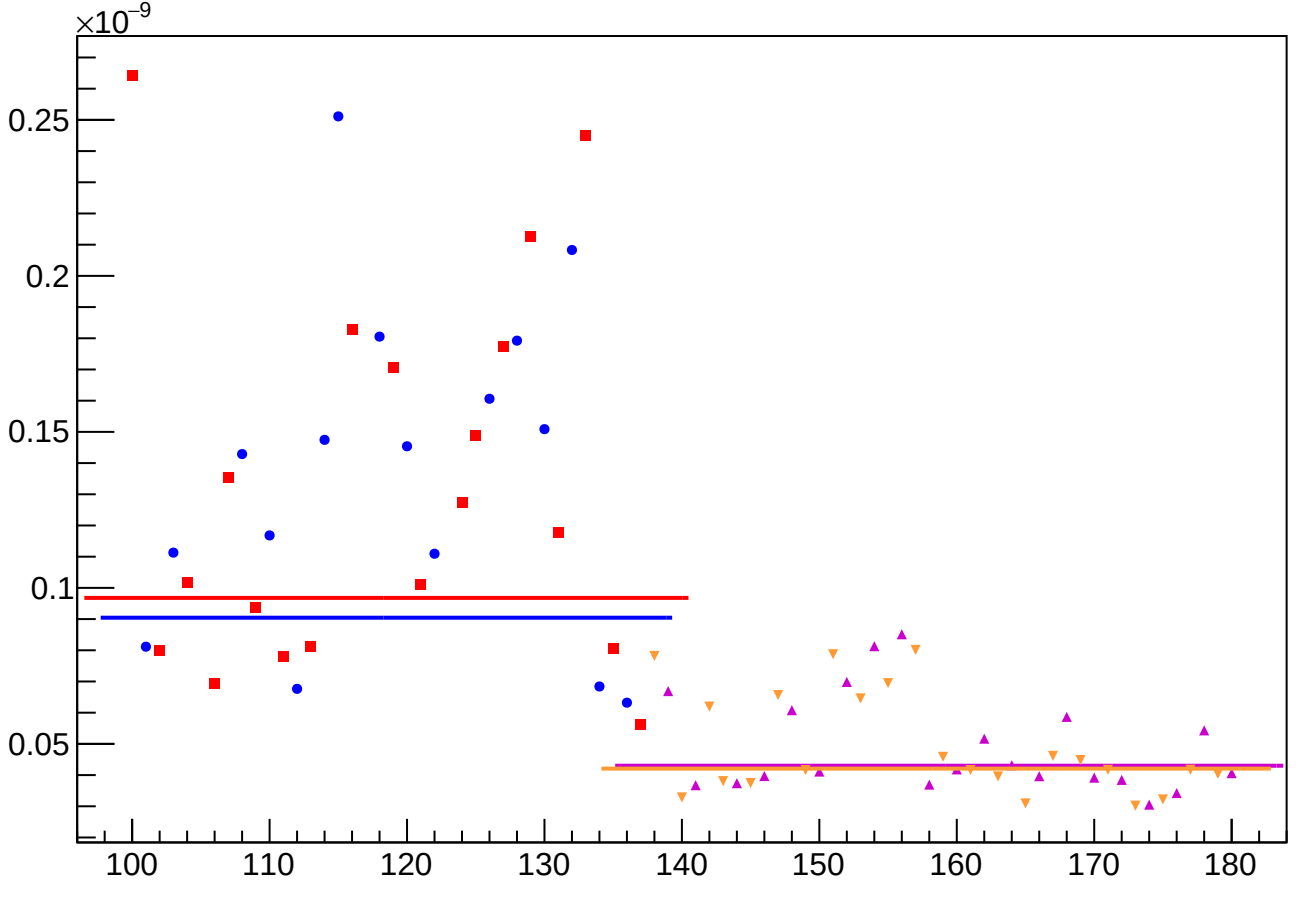
Left: 0.000+/-0.000 χ^2/NDF: 43.3/42

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:26.2/36

Out: 0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 73.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137320.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:926012.5/20

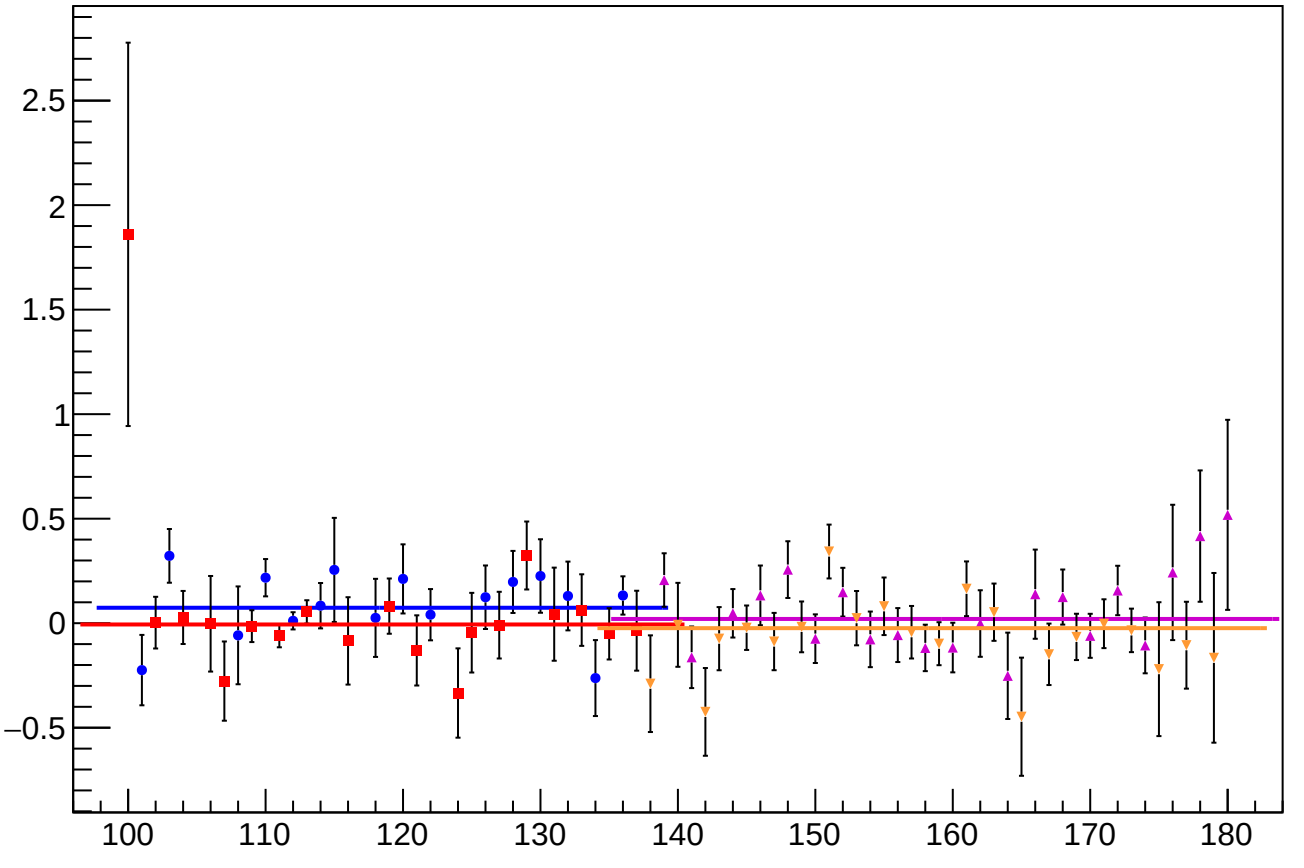
Left: 0.000+/-0.000 χ^2/NDF: 2066309.1/42

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3320834.5/36

Out: 0.000+/-0.000 χ^2/NDF:3750470.2/40

All: 0.000+/-0.000 χ^2/NDF: 7077371.0/77



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.020+/-0.030 χ^2/NDF:21.8/20

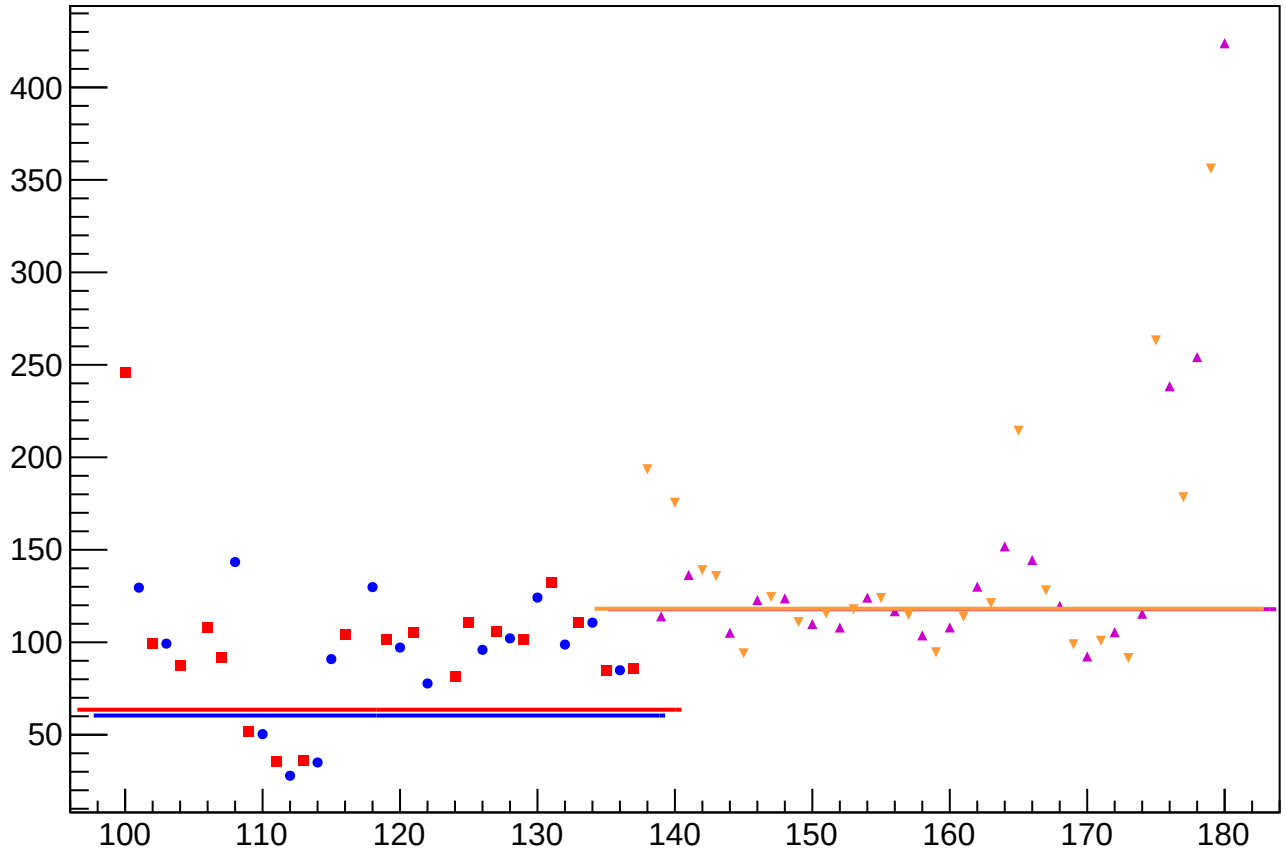
Left: -0.002+/-0.021 χ^2/NDF: 43.7/42

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.020 χ^2/NDF:42.5/36

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.018+/-0.014 χ^2/NDF: 85.0/77



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

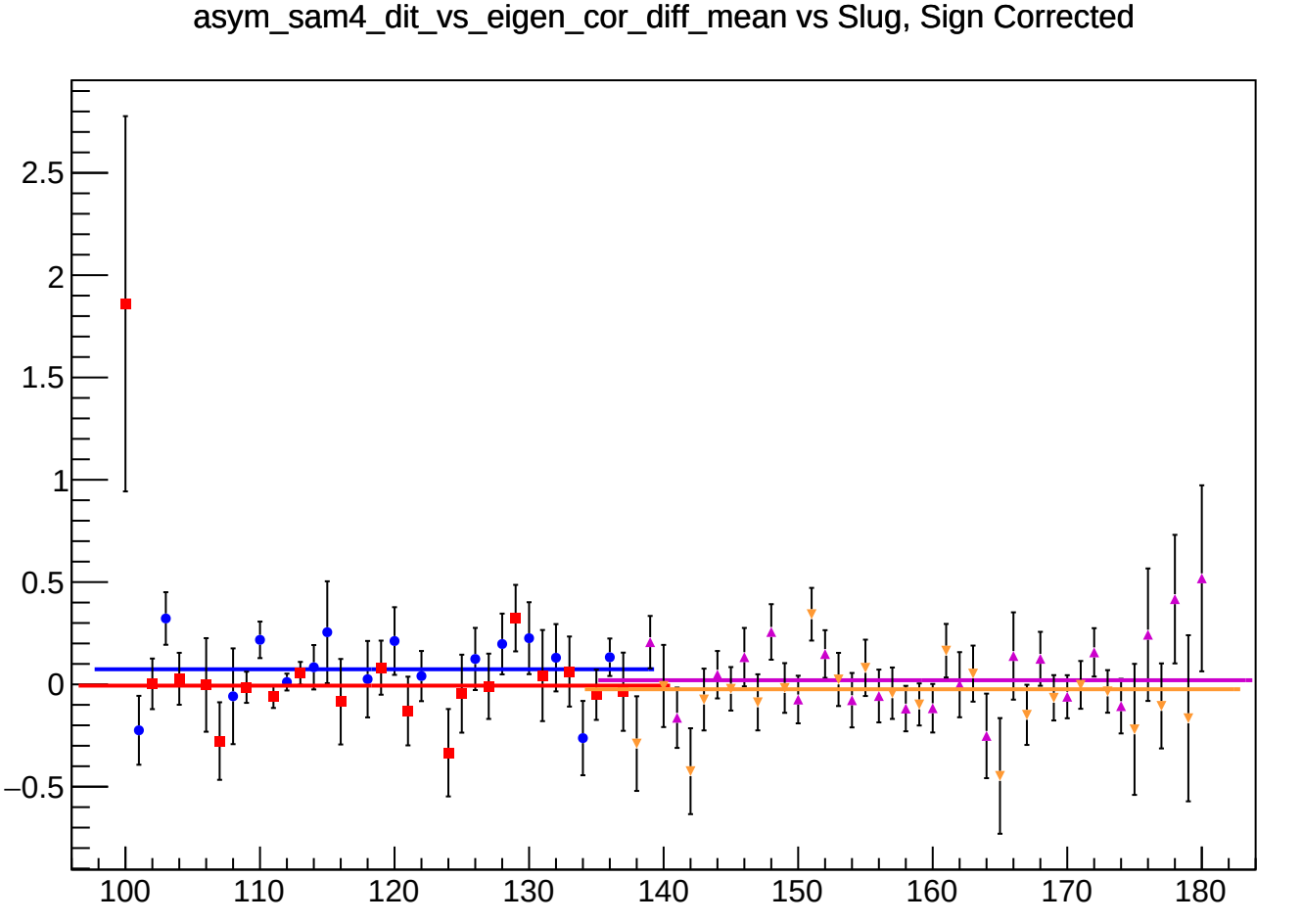
Left: 118.021+/-0.015 χ^2/NDF: 4329637.5/42

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.811+/-0.014 χ^2/NDF:9478128.7/36

Out: 87.760+/-0.014 χ^2/NDF:8719937.0/40

All: 86.793+/-0.010 χ^2/NDF: 18207472.8/77



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.020+/-0.030 χ^2/NDF:21.8/20

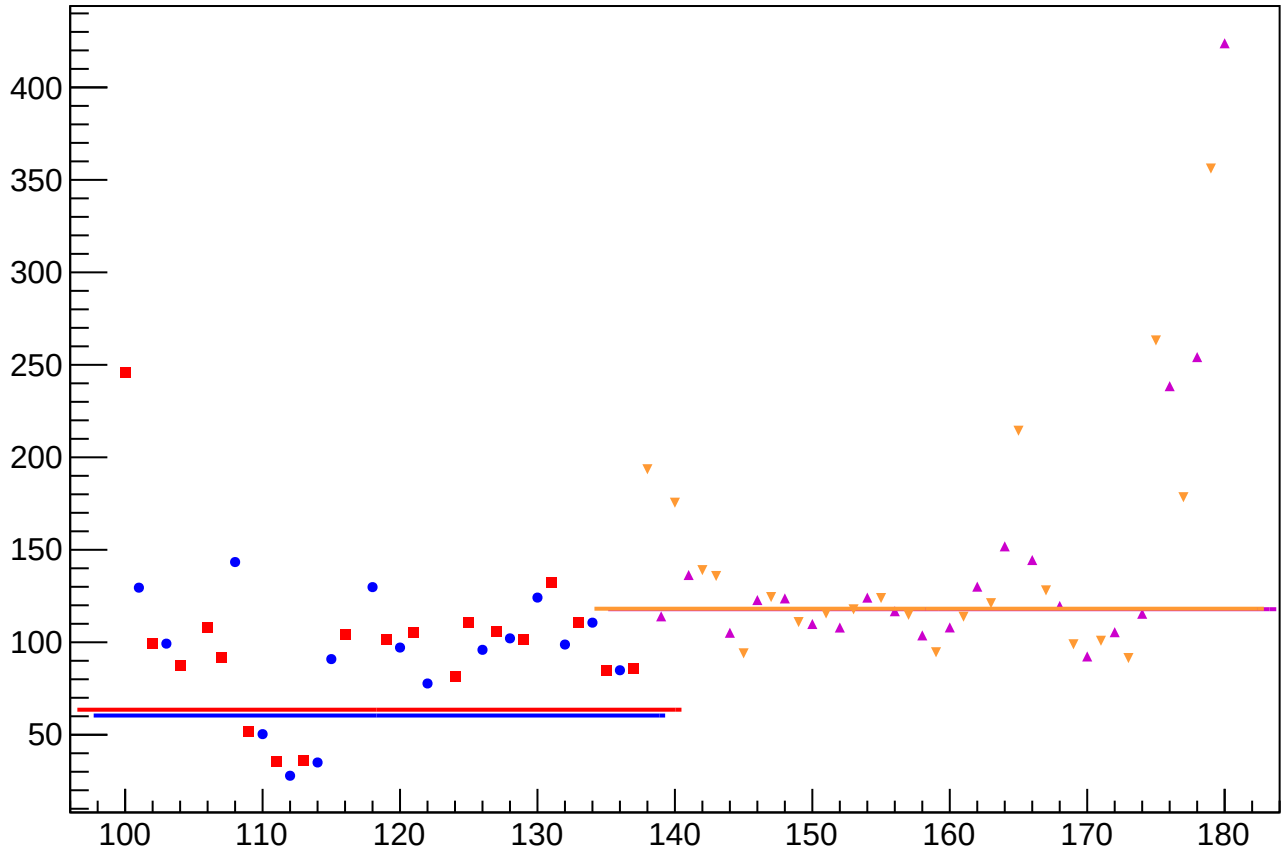
Left: -0.002+/-0.021 χ^2/NDF: 43.7/42

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.020 χ^2/NDF:42.5/36

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.018+/-0.014 χ^2/NDF: 85.0/77



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.888+/-0.021 χ^2/NDF:1936084.7/20

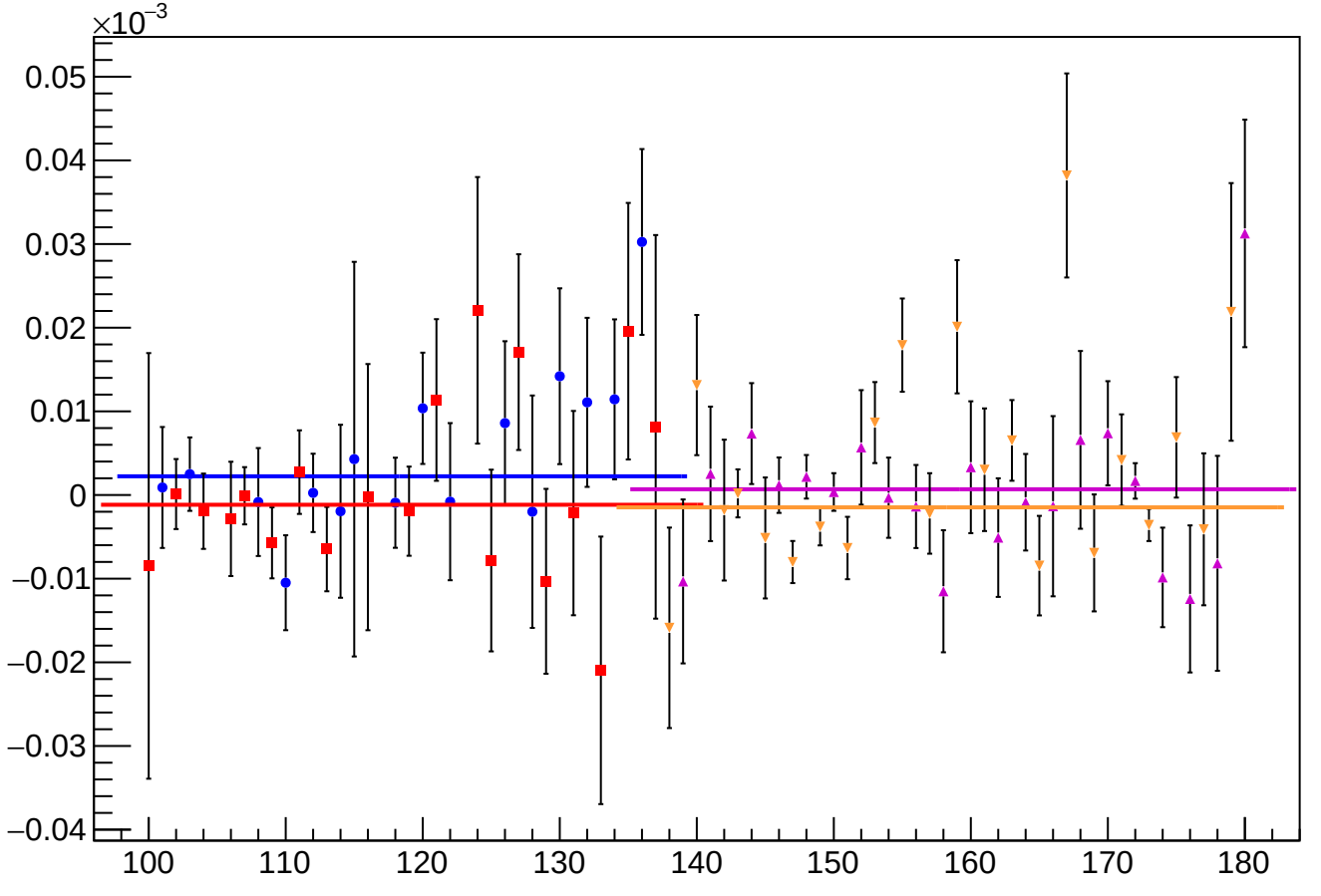
Left: 118.021+/-0.015 χ^2/NDF: 4329637.5/42

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.811+/-0.014 χ^2/NDF:9478128.7/36

Out: 87.760+/-0.014 χ^2/NDF:8719937.0/40

All: 86.793+/-0.010 χ^2/NDF: 18207472.8/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:60.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/20

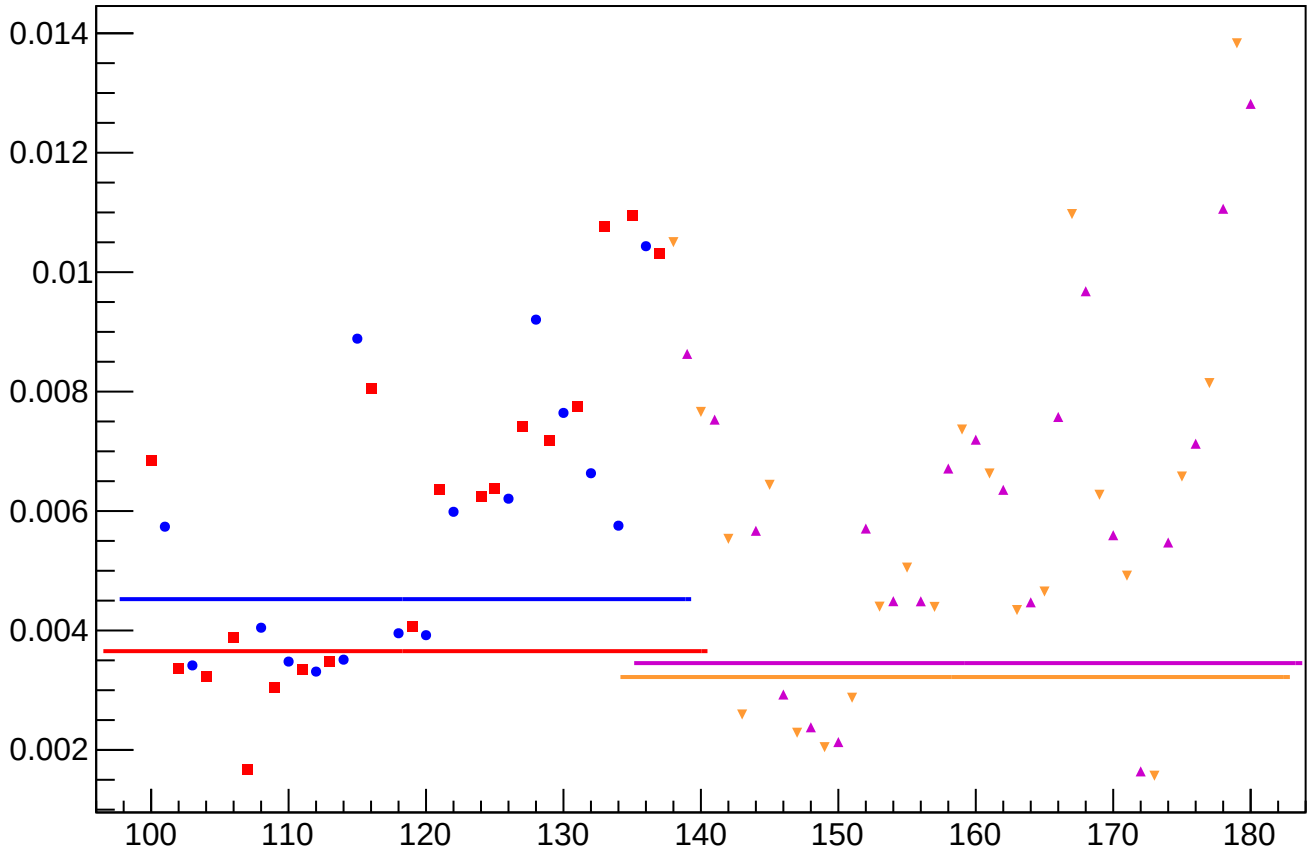
Left: -0.000+/-0.000 χ^2/NDF: 82.6/42

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:37.9/36

Out: -0.000+/-0.000 χ^2/NDF:74.3/40

All: -0.000+/-0.000 χ^2/NDF: 116.5/77



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:9256218.1/21

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:8976127.7/20

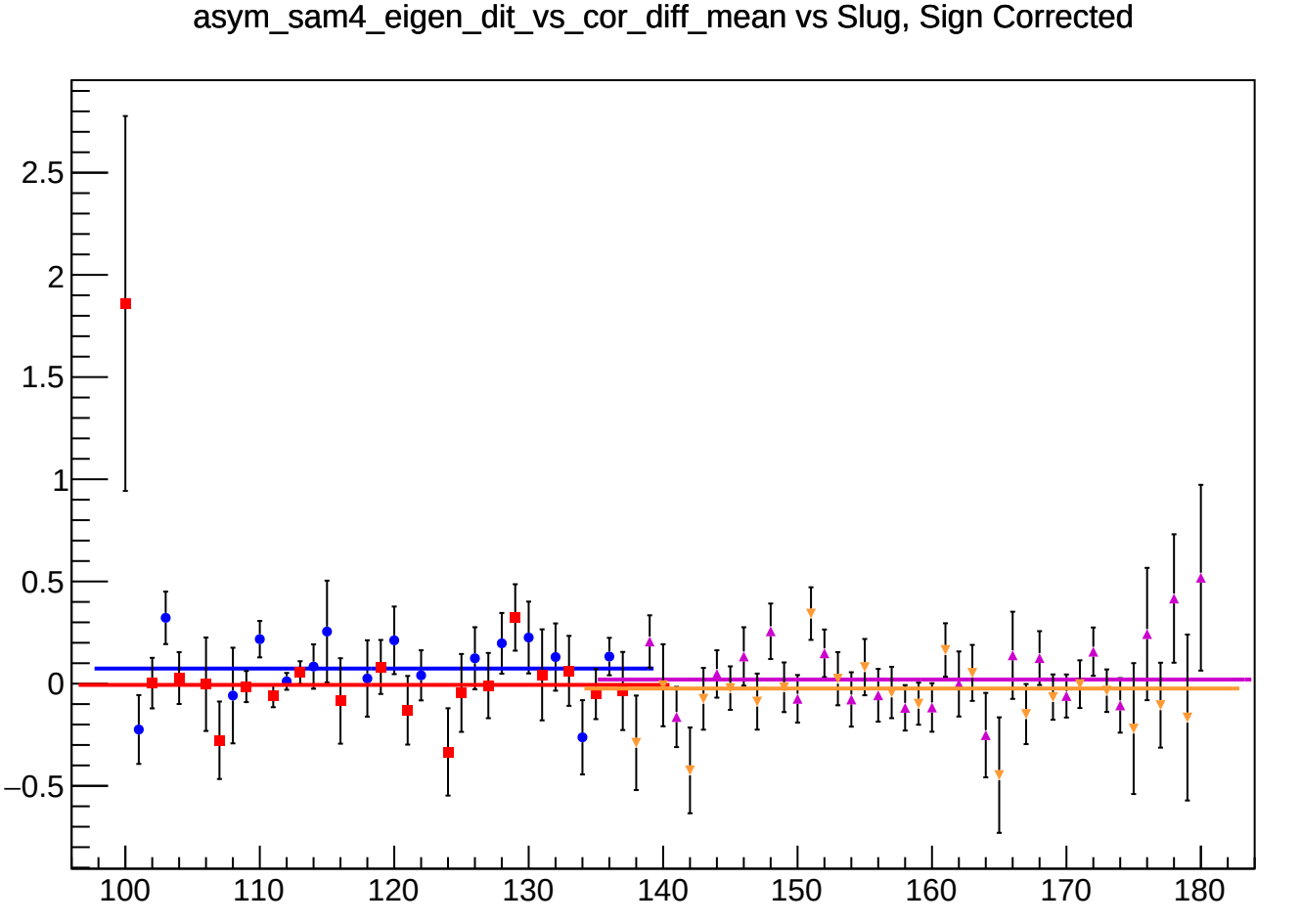
Left: 0.003+/-0.000 χ^2/NDF: 18291407.4/42

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:11233209.7/36

Out: 0.003+/-0.000 χ^2/NDF:12311090.1/40

All: 0.004+/-0.000 χ^2/NDF: 23738836.5/77



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.020+/-0.030 χ^2/NDF:21.8/20

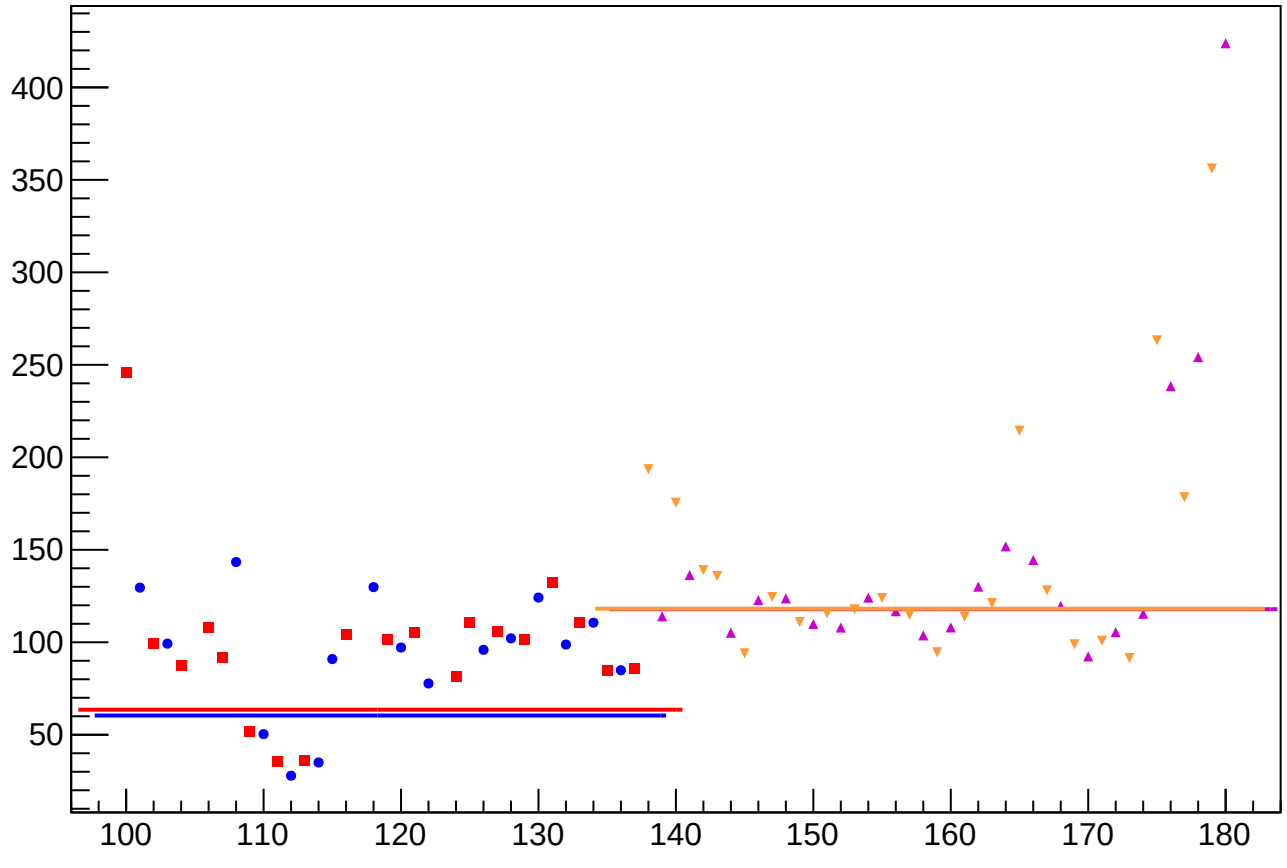
Left: -0.002+/-0.021 χ^2/NDF: 43.7/42

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.020 χ^2/NDF:42.5/36

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.018+/-0.014 χ^2/NDF: 85.0/77



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

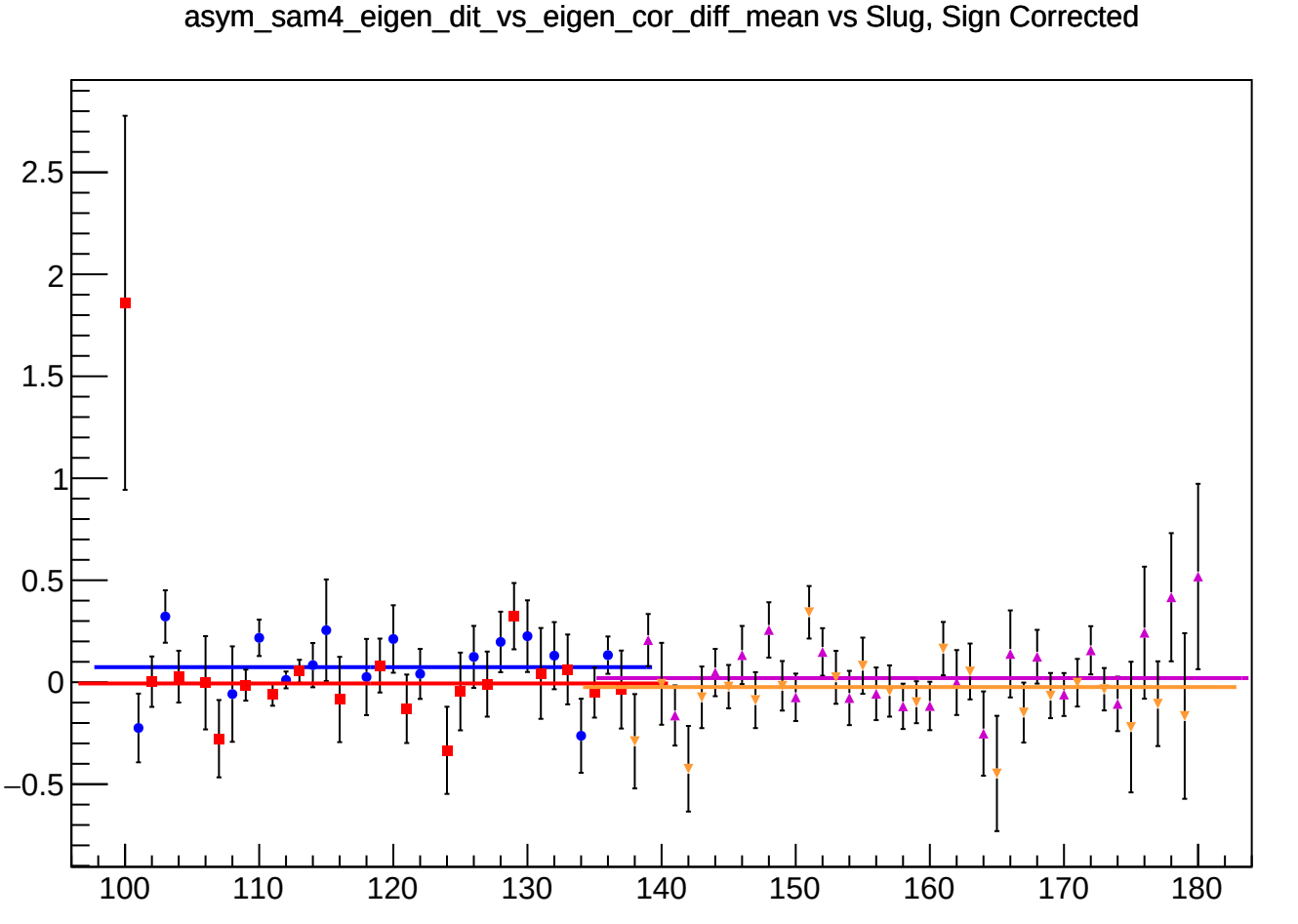
Left: 118.022+/-0.015 χ^2/NDF: 4329536.8/42

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.809+/-0.014 χ^2/NDF:9478793.8/36

Out: 87.759+/-0.014 χ^2/NDF:8720561.9/40

All: 86.792+/-0.010 χ^2/NDF: 18208766.1/77



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.020+/-0.030 χ^2/NDF:21.8/20

Left: -0.002+/-0.021 χ^2/NDF: 43.7/42

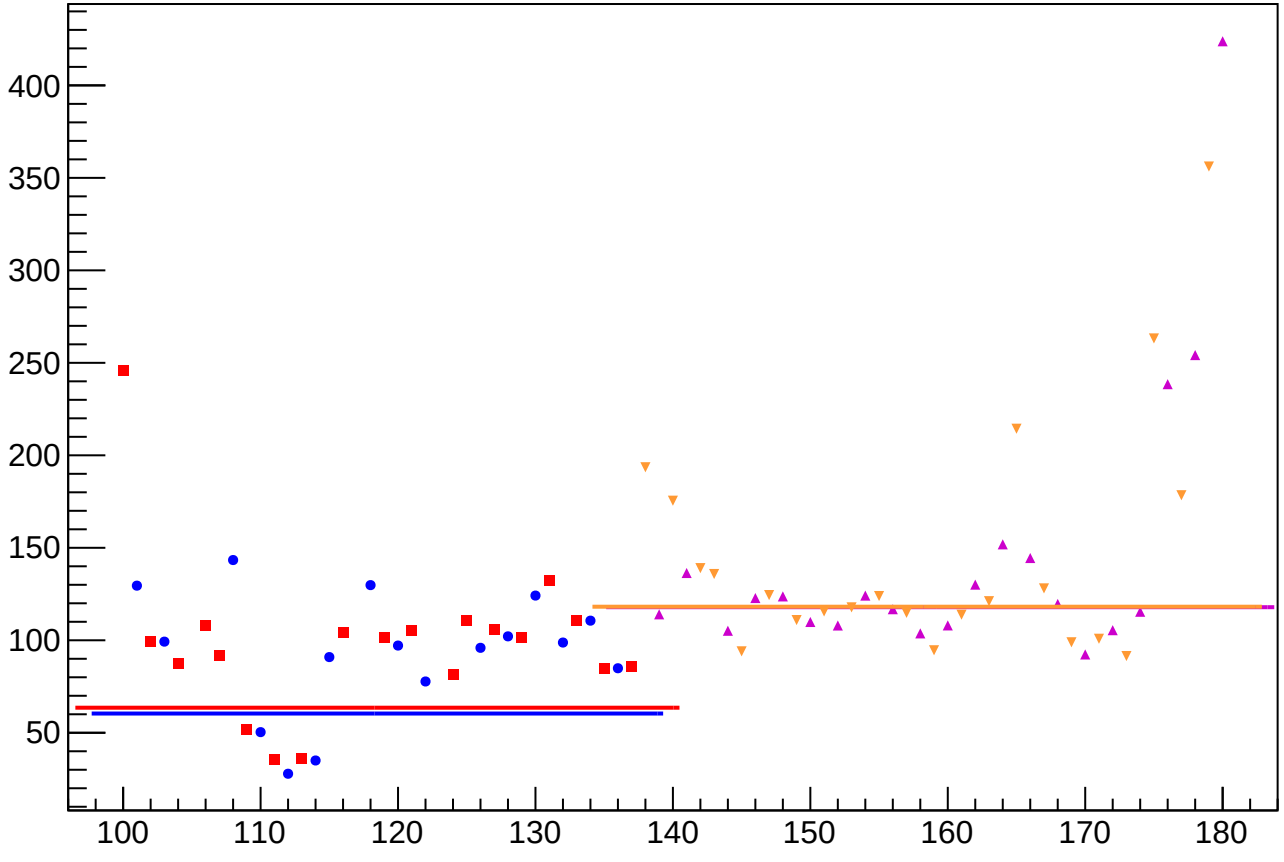
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.050+/-0.020 χ^2/NDF:42.5/36

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.018+/-0.014 χ^2/NDF: 85.0/77

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: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.889+/-0.021 χ^2/NDF:1936026.5/20

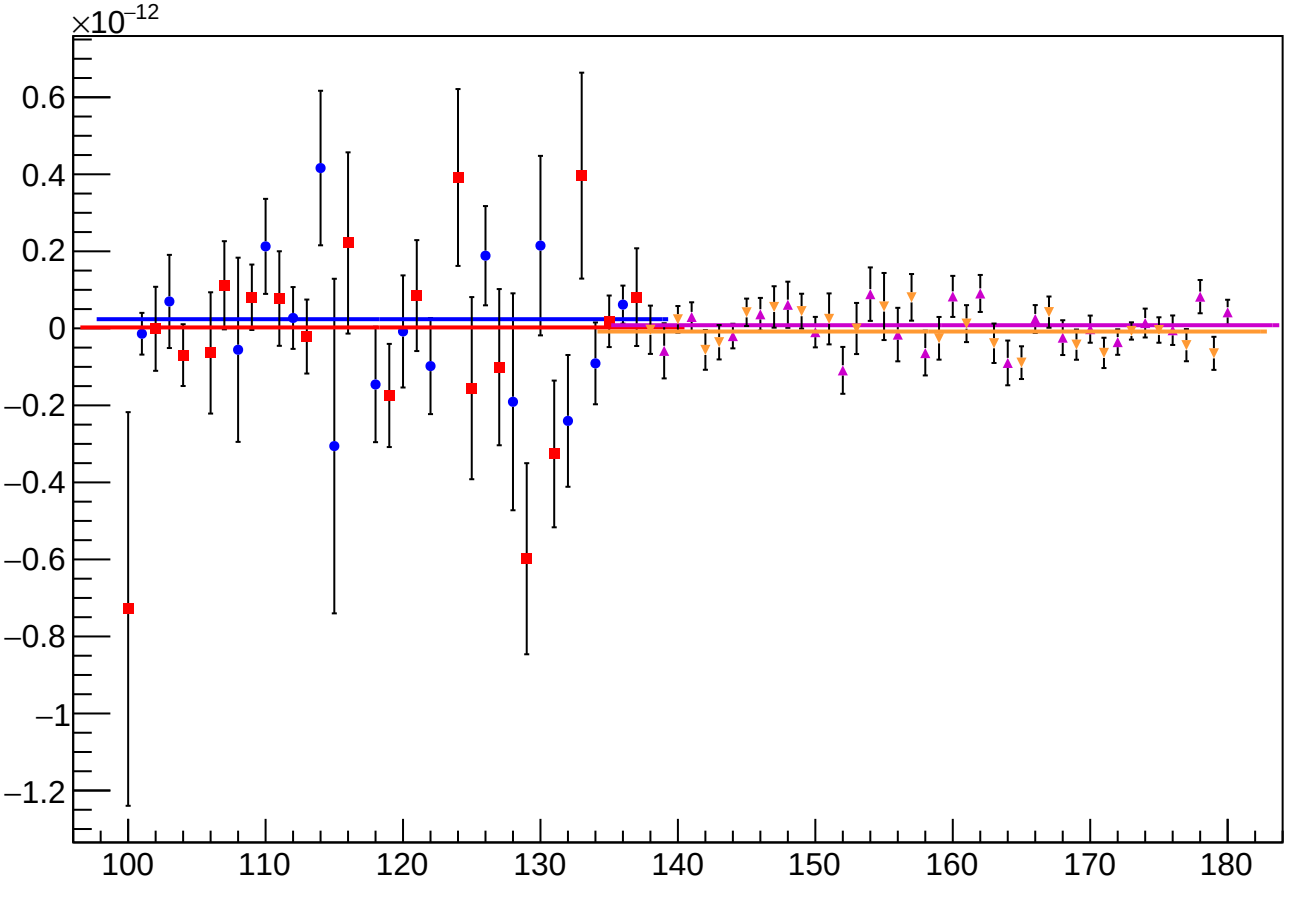
Left: 118.022+/-0.015 χ^2/NDF: 4329536.8/42

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.809+/-0.014 χ^2/NDF:9478793.8/36

Out: 87.759+/-0.014 χ^2/NDF:8720561.9/40

All: 86.792+/-0.010 χ^2/NDF: 18208766.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/20

Left: -0.000+/-0.000 χ^2/NDF: 47.0/42

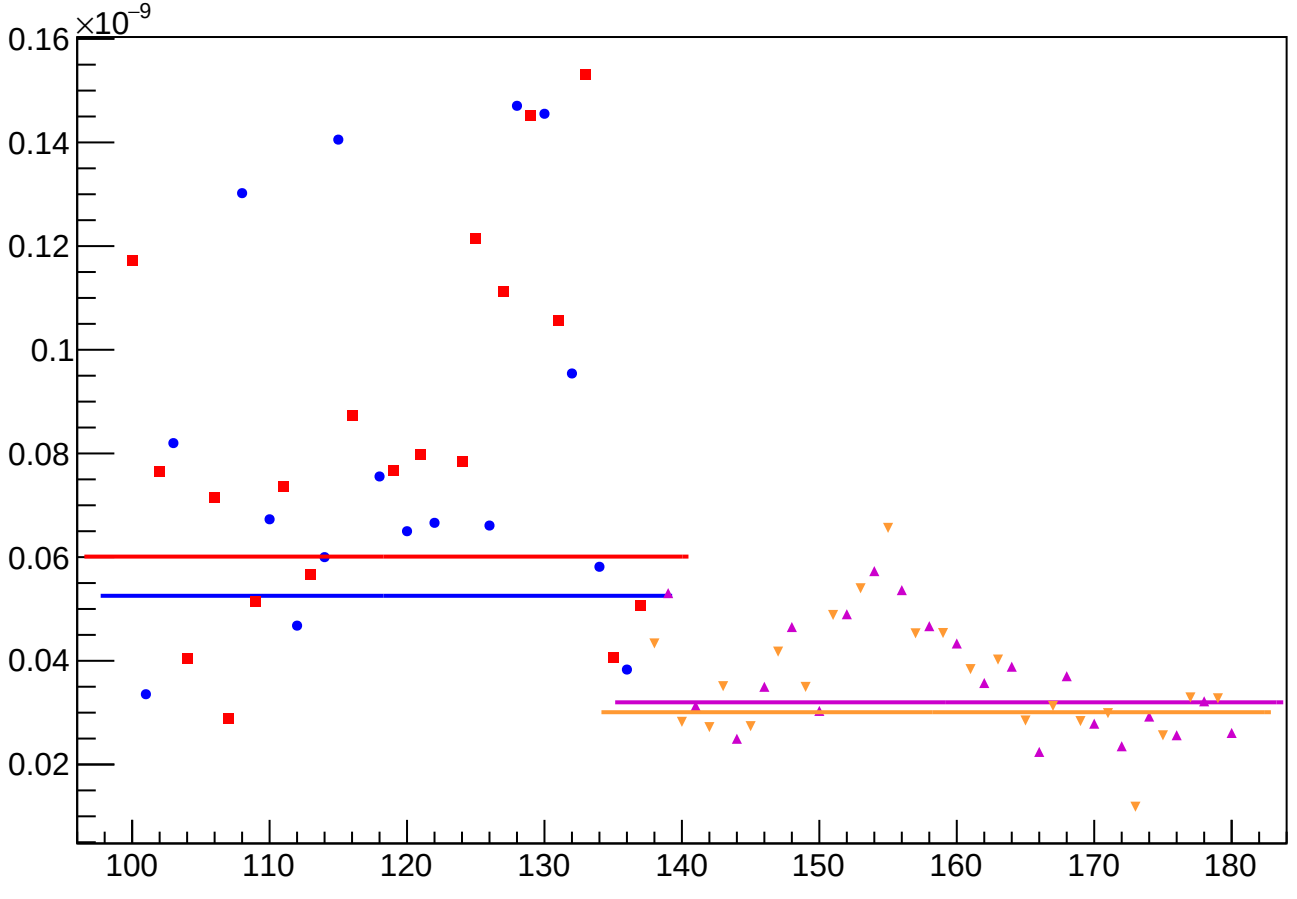
Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:41.7/36

Out: -0.000+/-0.000 χ^2/NDF:44.1/40

All: 0.000+/-0.000 χ^2/NDF: 87.7/77

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2808139.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1732126.8/20

Left: 0.000+/-0.000 χ^2/NDF: 4582742.6/42

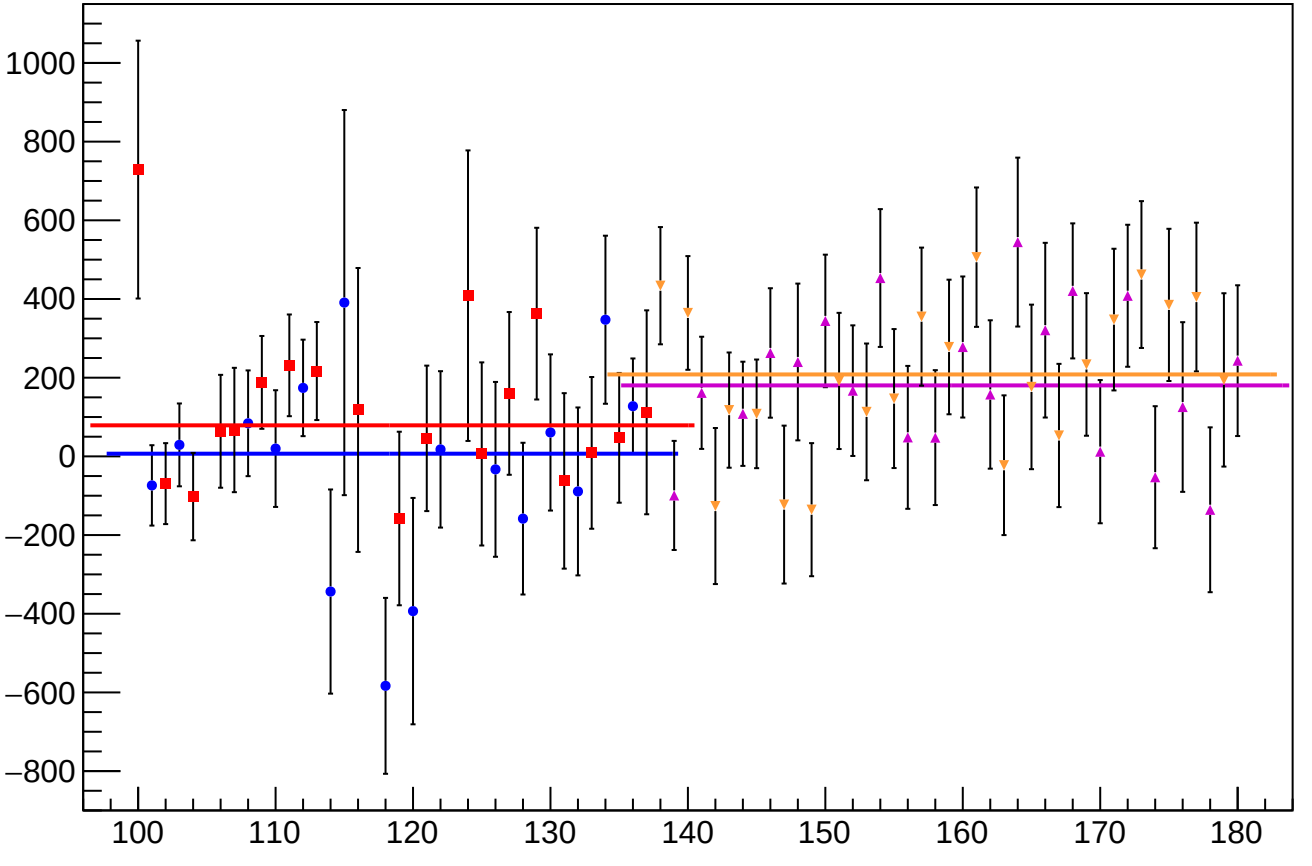
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4470746.7/36

Out: 0.000+/-0.000 χ^2/NDF:6314405.5/40

All: 0.000+/-0.000 χ^2/NDF: 10816414.2/77

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.255+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 180.375+/-38.149 χ^2/NDF:21.4/20

Left: 194.683+/-26.617 χ^2/NDF: 46.6/42

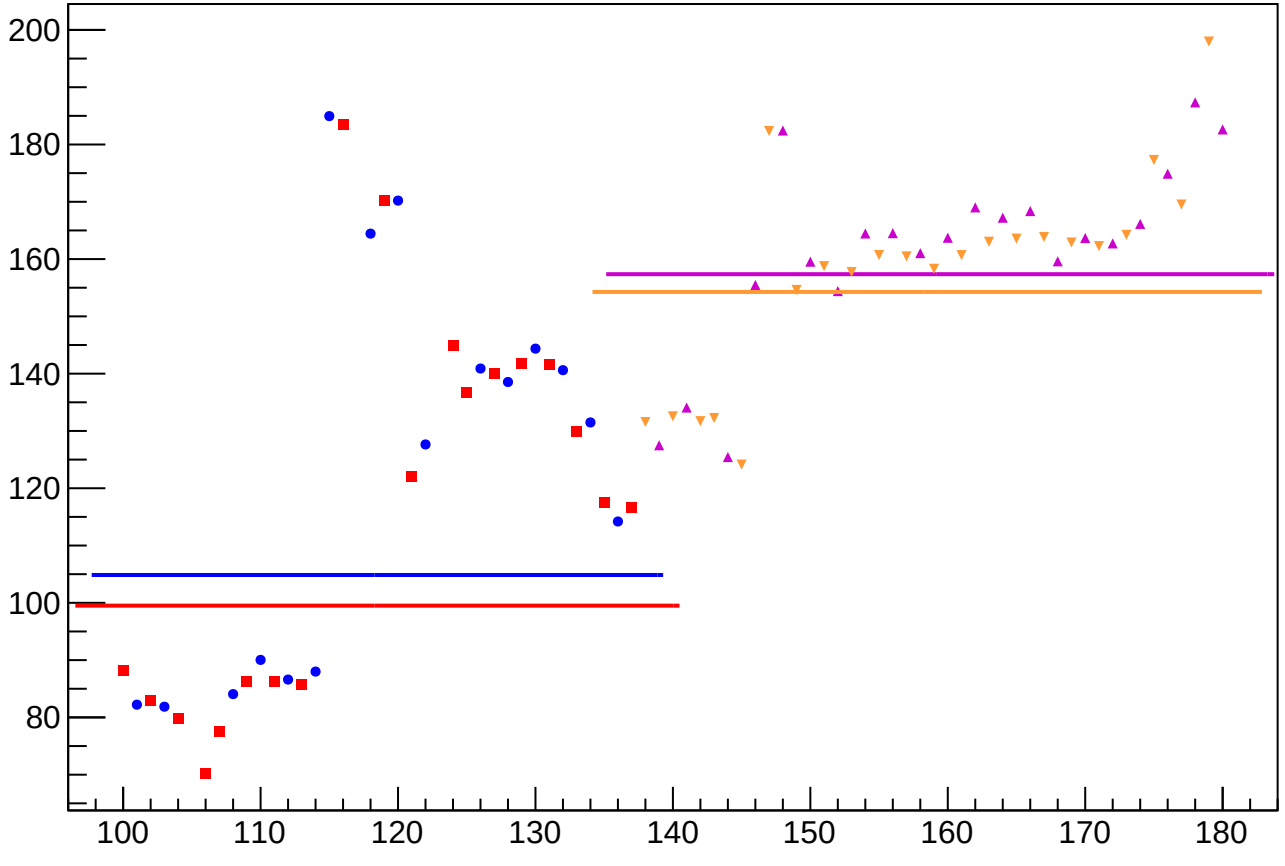
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 98.462+/-27.722 χ^2/NDF:49.9/36

Out: 144.861+/-26.534 χ^2/NDF:47.6/40

All: 122.677+/-19.169 χ^2/NDF: 99.0/77

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

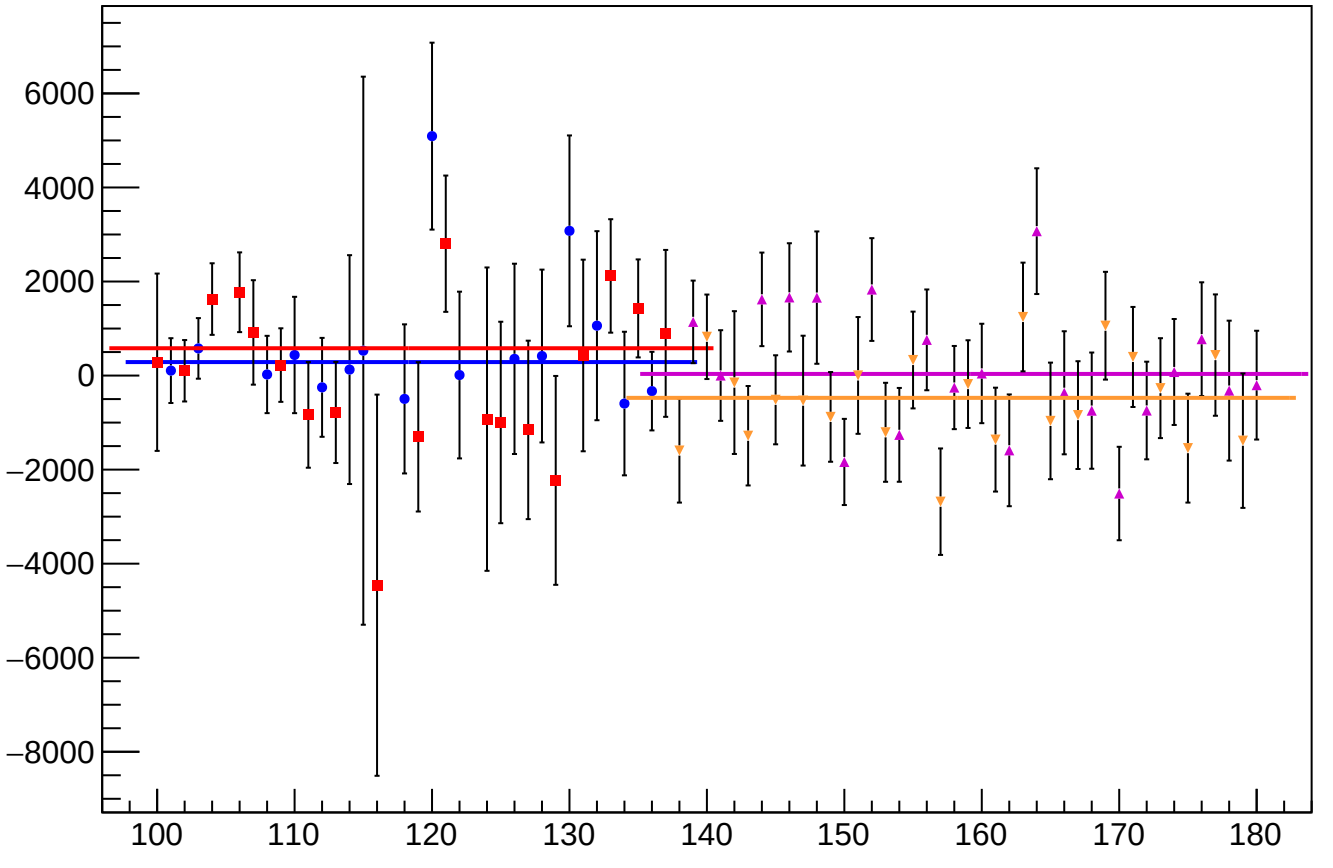
Left: 155.775+/-0.019 χ^2/NDF: 883704.3/42

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 132.585+/-0.020 χ^2/NDF:3139309.5/36

Out: 127.434+/-0.019 χ^2/NDF:3624383.3/40

All: 129.897+/-0.014 χ^2/NDF: 6799737.4/77



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -474.007+/-236.388 χ^2/NDF:16.4/21

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 34.736+/-236.757 χ^2/NDF:31.7/20

Left: -220.032+/-167.282 χ^2/NDF: 50.4/42

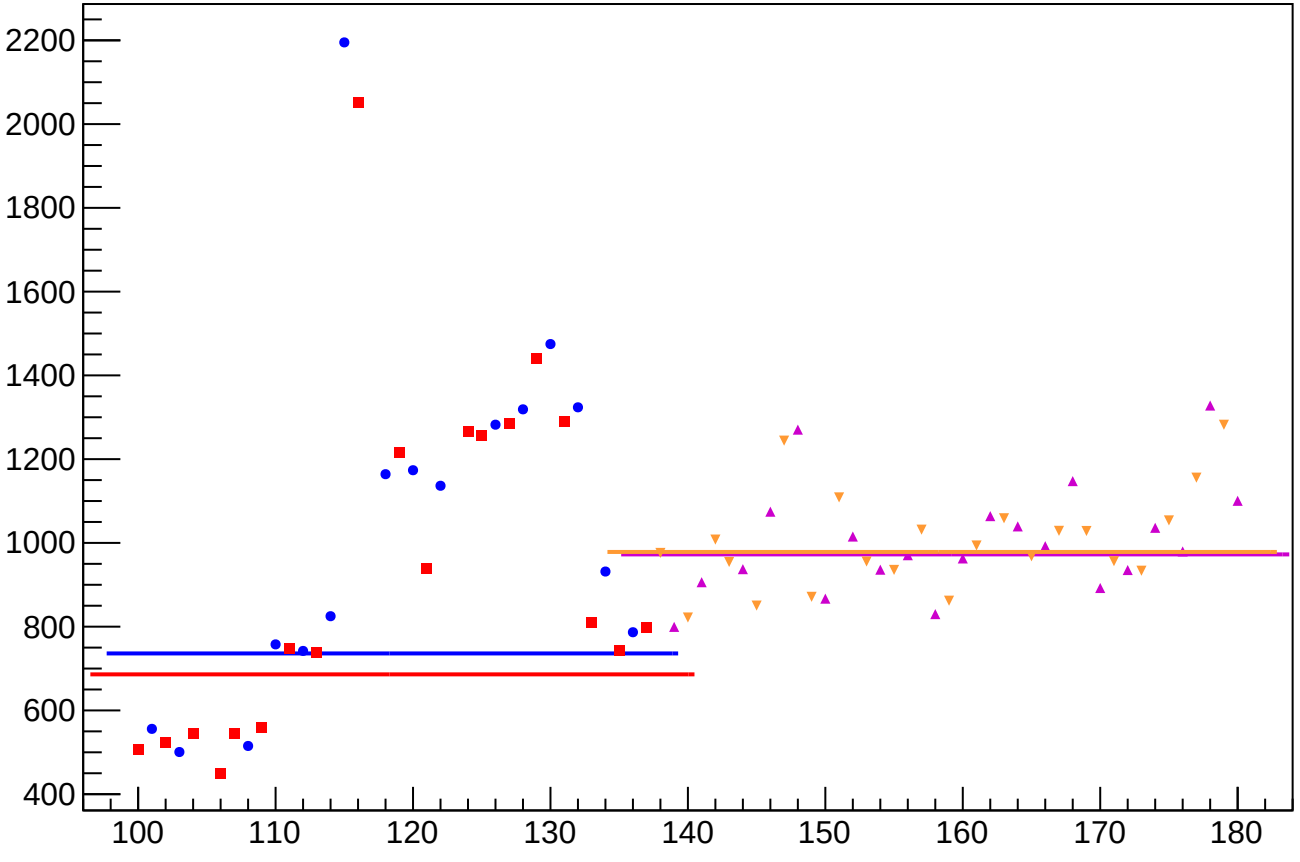
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 134.156+/-184.269 χ^2/NDF:41.8/36

Out: -15.697+/-177.791 χ^2/NDF:43.9/40

All: 56.549+/-127.946 χ^2/NDF: 86.0/77

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419332.1/21

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 972.554+/-0.167 χ^2/NDF:497585.5/20

Left: 975.482+/-0.118 χ^2/NDF: 917528.7/42

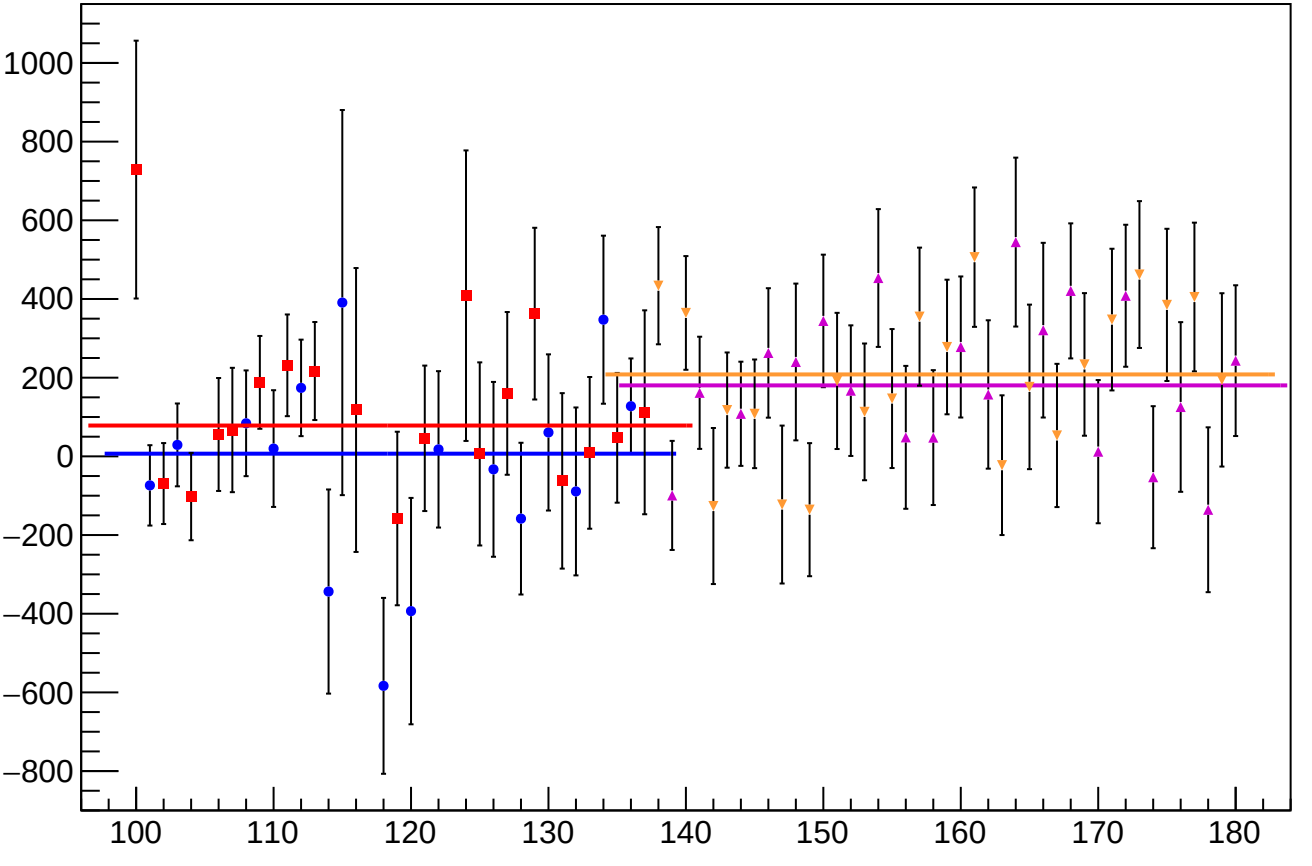
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 879.327+/-0.130 χ^2/NDF:3128658.2/36

Out: 851.452+/-0.126 χ^2/NDF:3566615.4/40

All: 864.891+/-0.090 χ^2/NDF: 6718976.7/77

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 180.378+/-38.149 χ^2/NDF:21.4/20

Left: 194.685+/-26.617 χ^2/NDF: 46.6/42

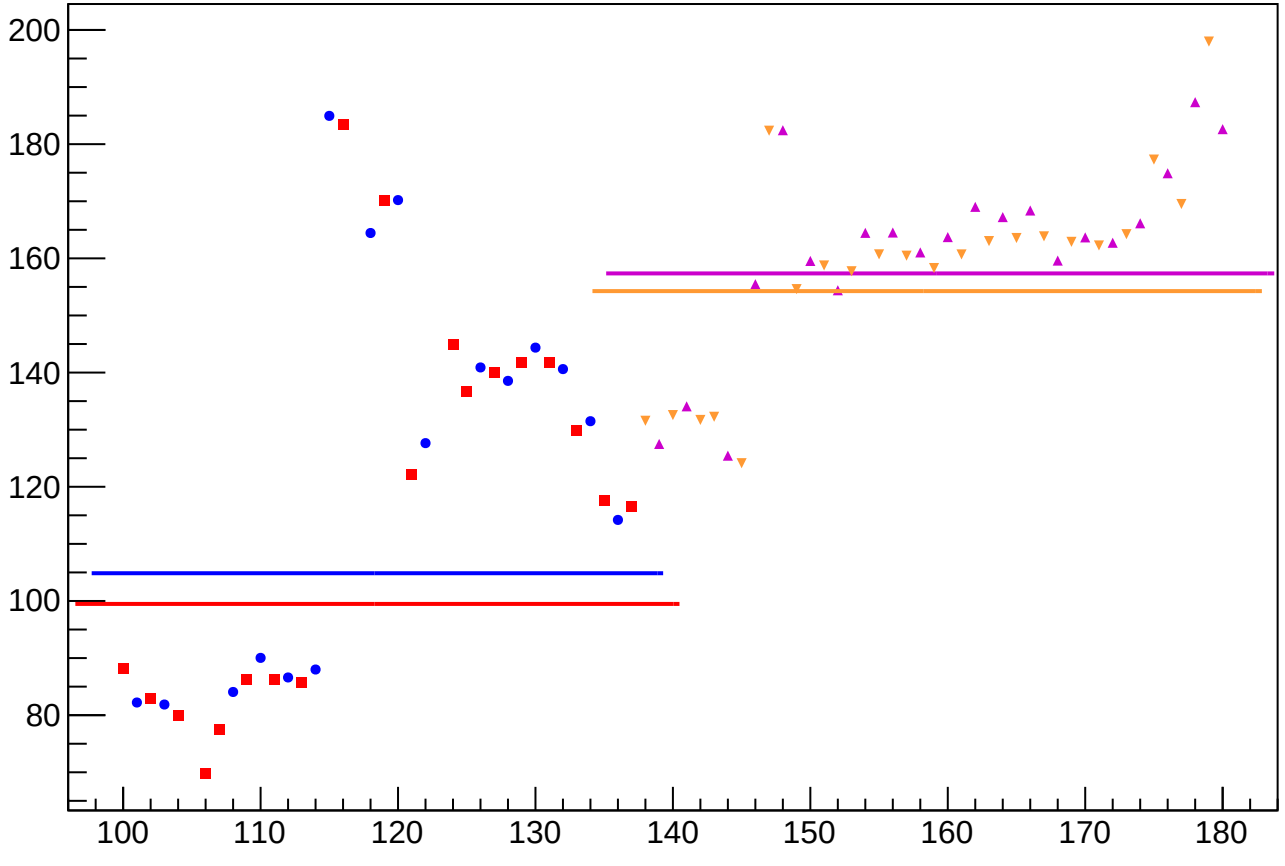
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 98.458+/-27.722 χ^2/NDF:49.9/36

Out: 144.604+/-26.535 χ^2/NDF:47.7/40

All: 122.540+/-19.169 χ^2/NDF: 99.1/77

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

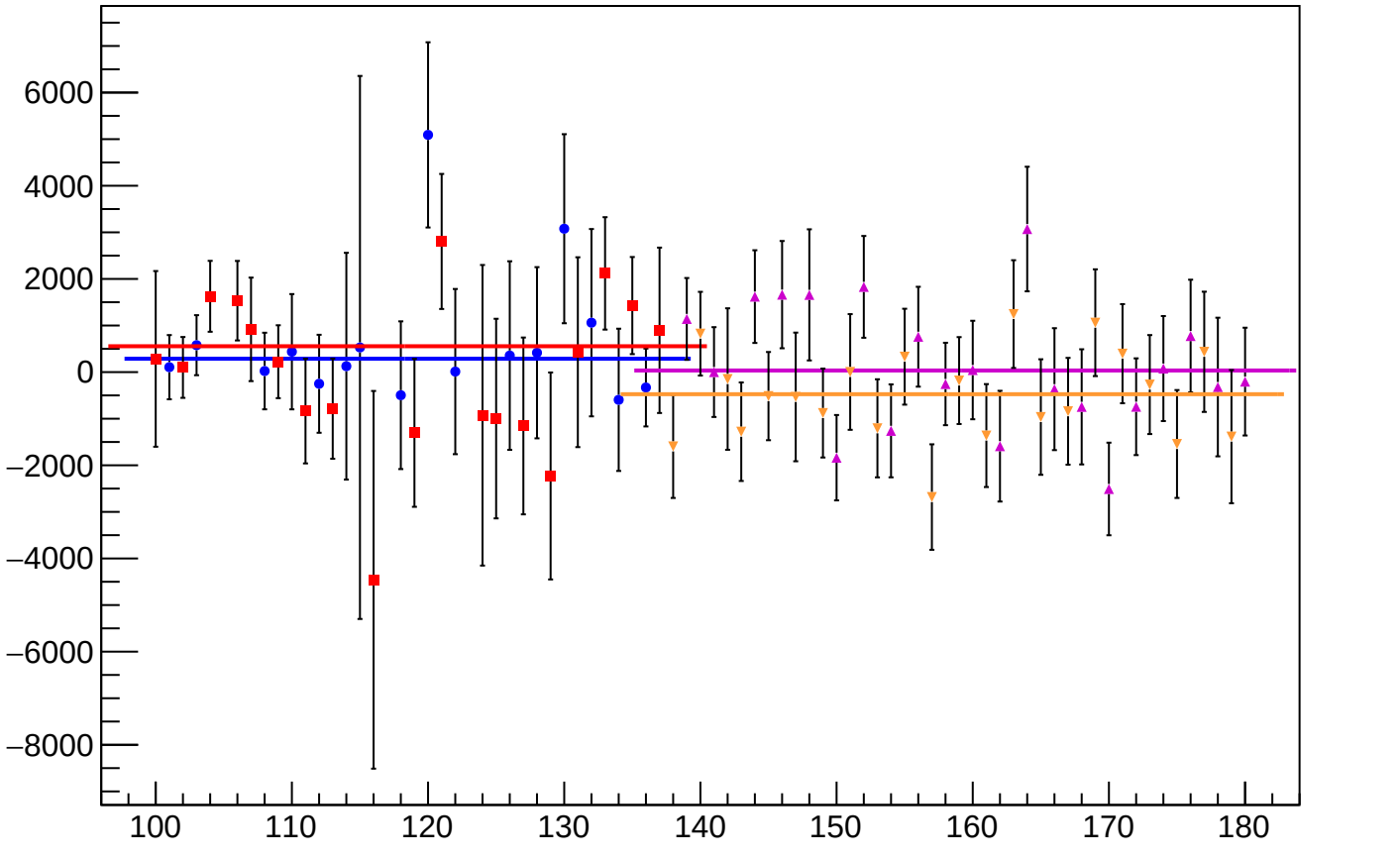
Left: 155.775+/-0.019 χ^2/NDF: 883704.3/42

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 132.585+/-0.020 χ^2/NDF:3139307.6/36

Out: 127.424+/-0.019 χ^2/NDF:3628273.9/40

All: 129.892+/-0.014 χ^2/NDF: 6803761.9/77



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 34.733+/-236.757 χ^2/NDF:31.7/20

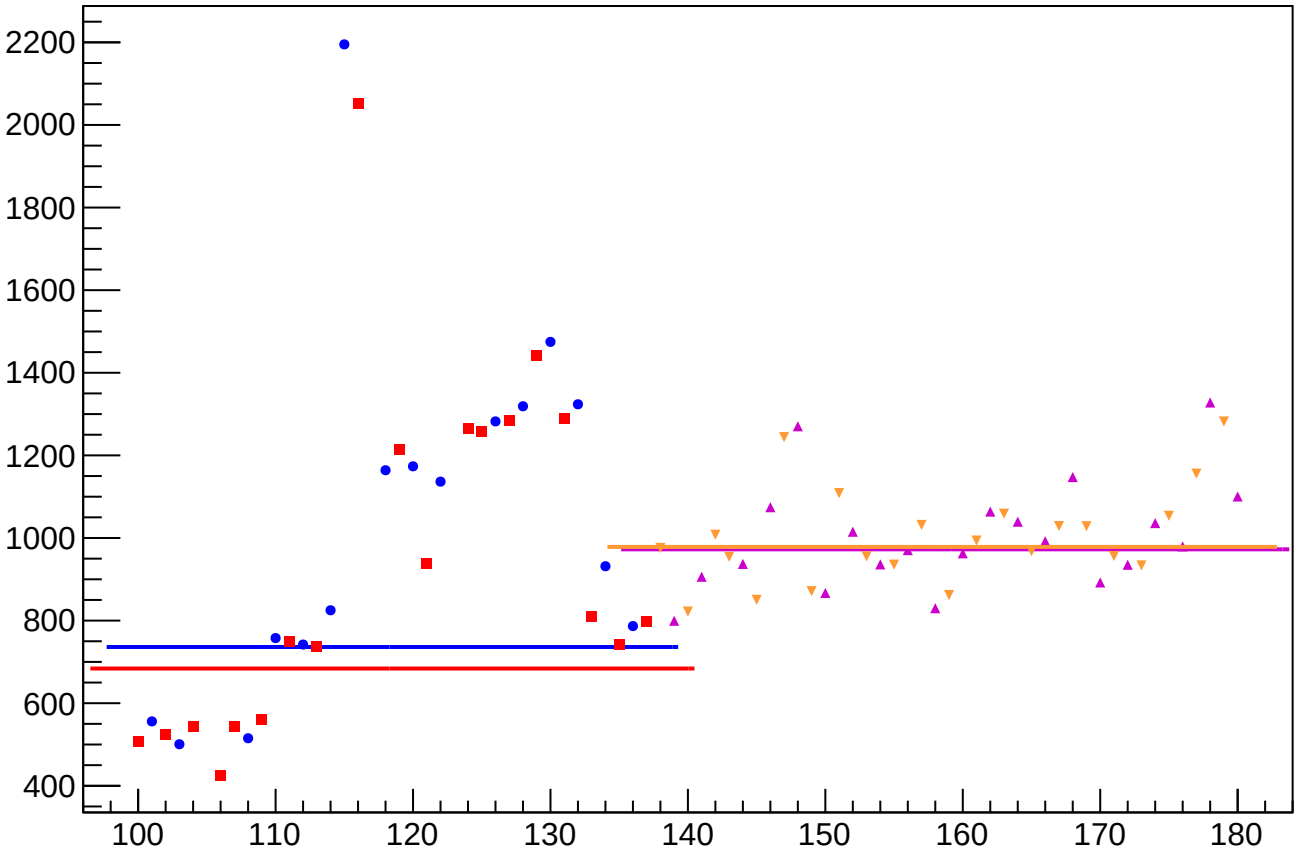
Left: -220.031+/-167.282 χ^2/NDF: 50.4/42

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.155+/-184.269 χ^2/NDF:41.8/36

Out: -27.226+/-177.842 χ^2/NDF:42.7/40

All: 50.602+/-127.965 χ^2/NDF: 84.9/77



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

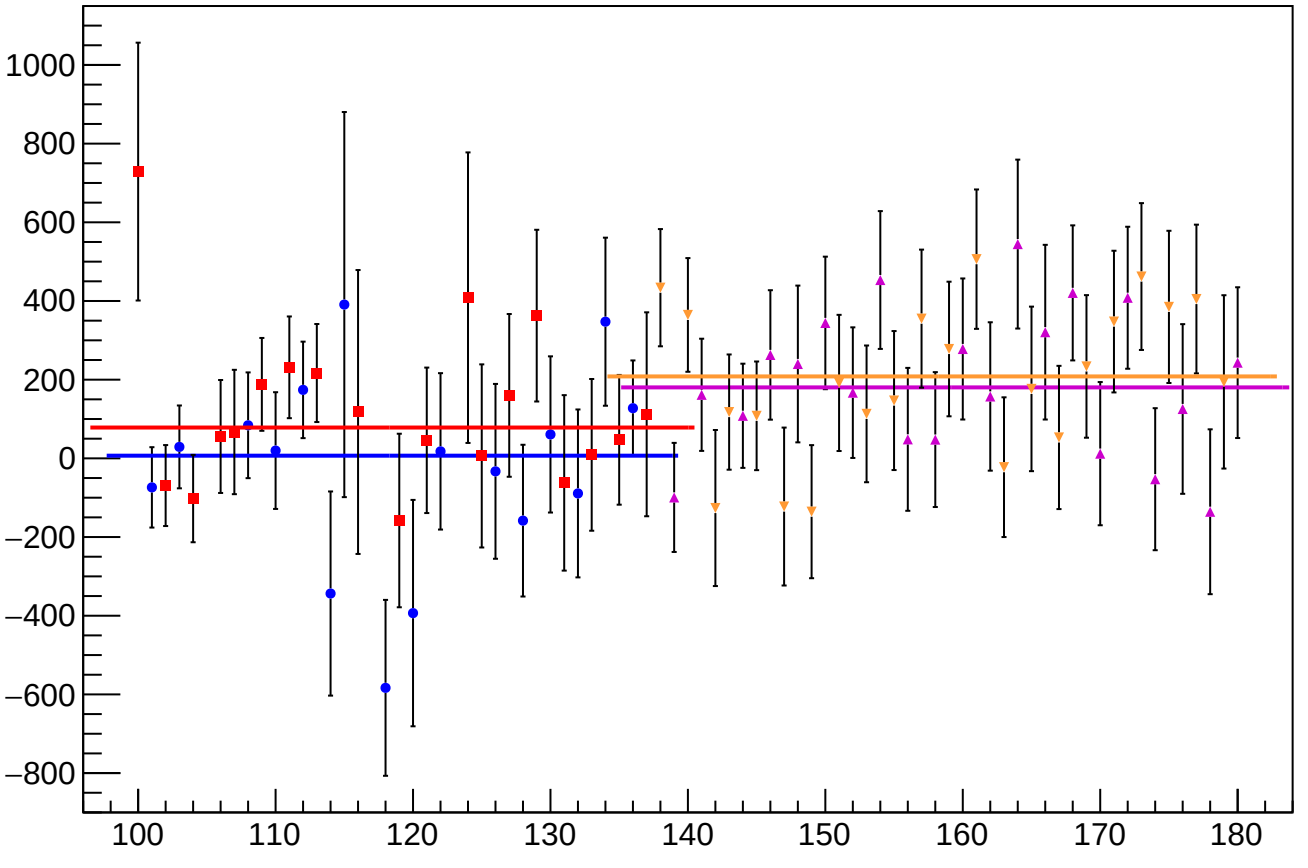
Left: 975.483+/-0.118 χ^2/NDF: 917529.8/42

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 879.327+/-0.130 χ^2/NDF:3128666.2/36

Out: 850.623+/-0.126 χ^2/NDF:3616241.2/40

All: 864.466+/-0.090 χ^2/NDF: 6770032.5/77



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 180.378+/-38.149 χ^2/NDF:21.4/20

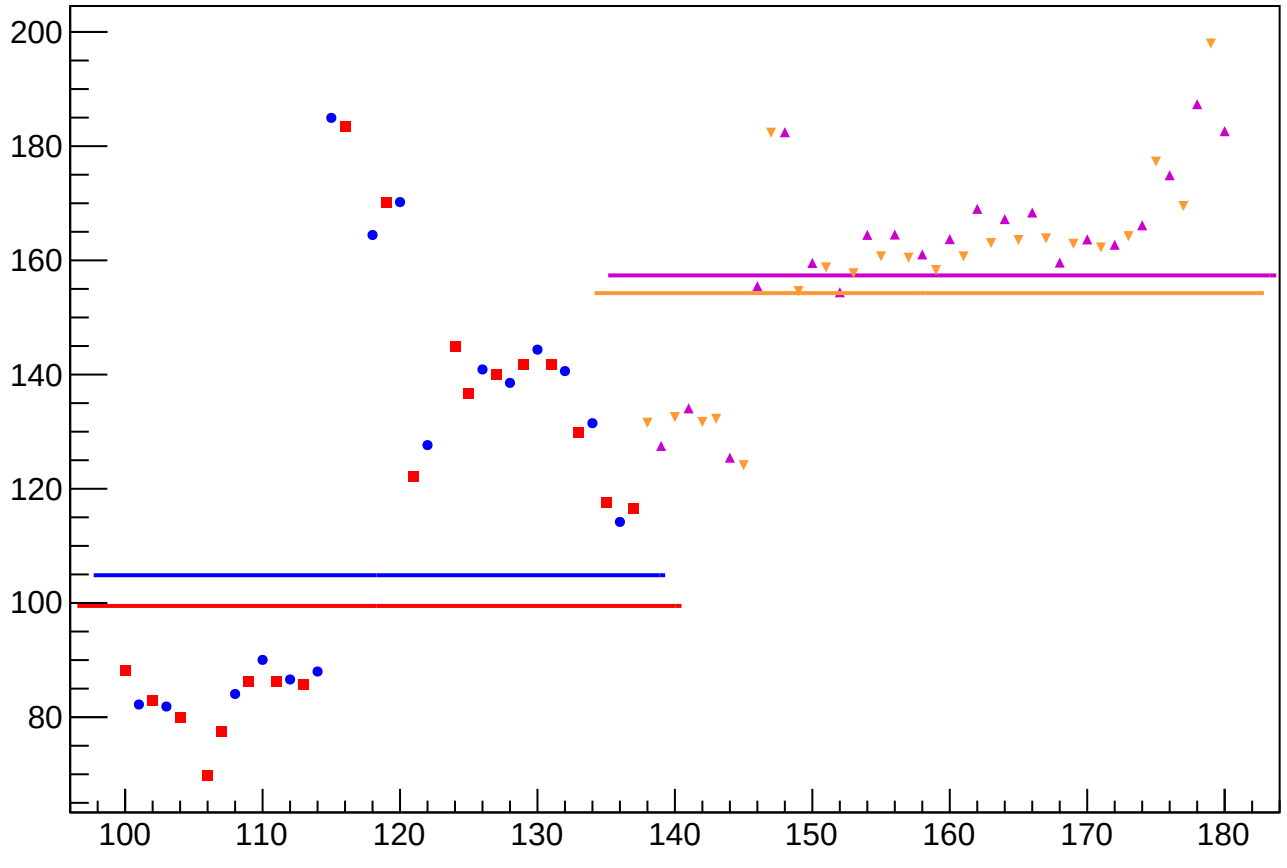
Left: 194.685+/-26.617 χ^2/NDF: 46.6/42

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 98.458+/-27.722 χ^2/NDF:49.9/36

Out: 144.604+/-26.535 χ^2/NDF:47.7/40

All: 122.540+/-19.169 χ^2/NDF: 99.1/77



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 157.365+/-0.027 χ^2/NDF:420100.9/20

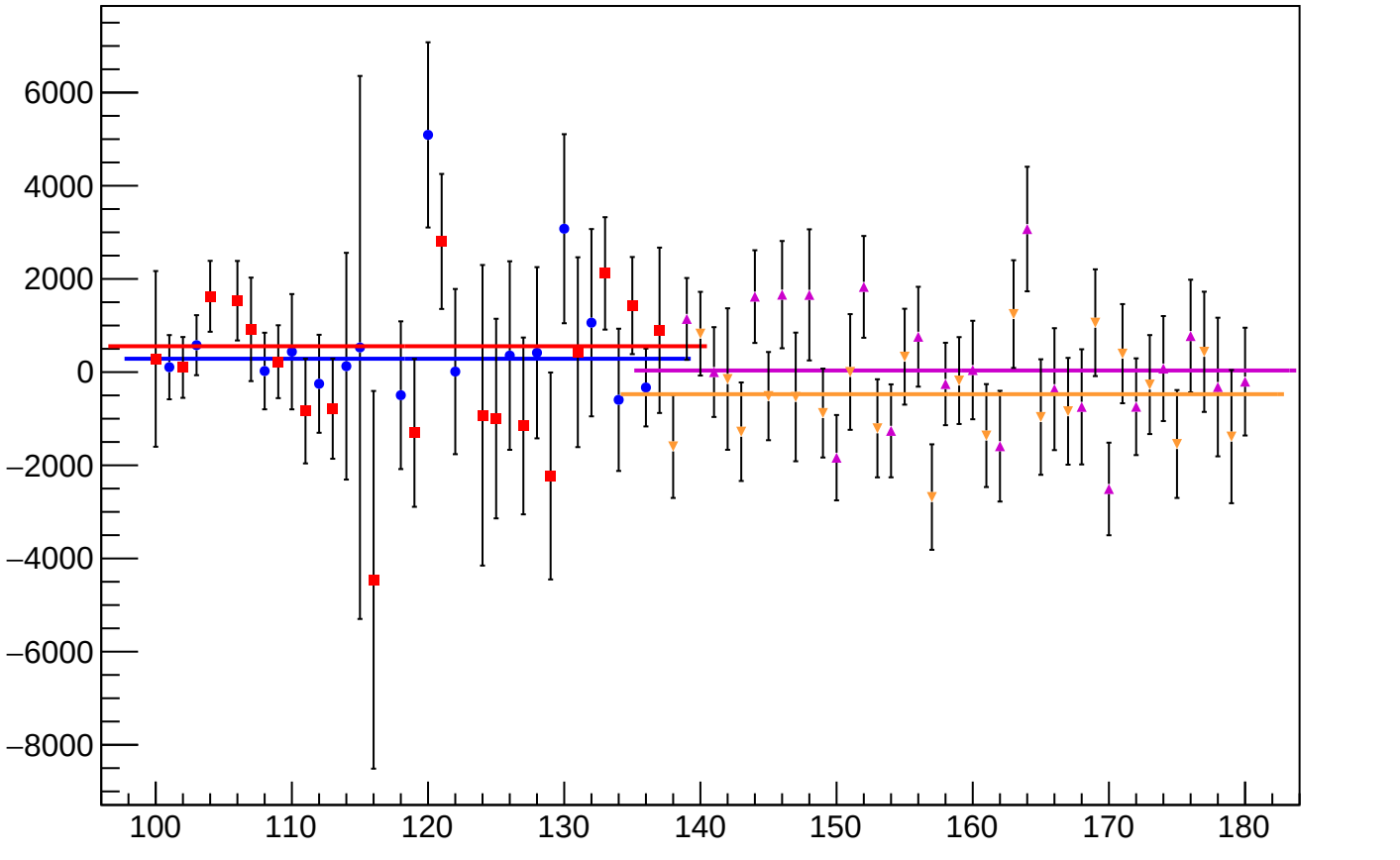
Left: 155.775+/-0.019 χ^2/NDF: 883704.3/42

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 132.585+/-0.020 χ^2/NDF:3139307.6/36

Out: 127.424+/-0.019 χ^2/NDF:3628273.9/40

All: 129.892+/-0.014 χ^2/NDF: 6803761.9/77



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 34.733+/-236.757 χ^2/NDF:31.7/20

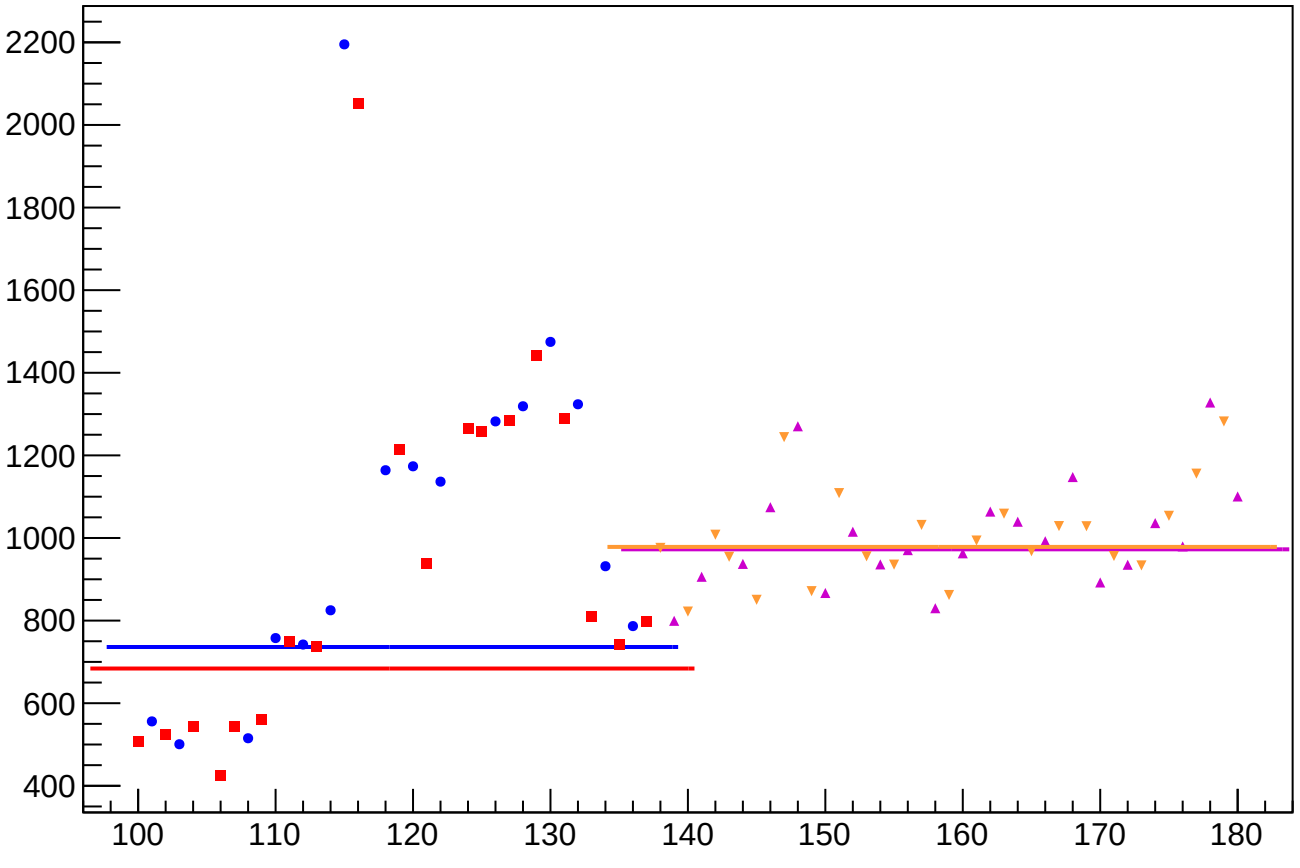
Left: -220.031+/-167.282 χ^2/NDF: 50.4/42

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.155+/-184.269 χ^2/NDF:41.8/36

Out: -27.226+/-177.842 χ^2/NDF:42.7/40

All: 50.602+/-127.965 χ^2/NDF: 84.9/77



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 972.554+/-0.167 χ^2/NDF:497587.8/20

Left: 975.483+/-0.118 χ^2/NDF: 917529.8/42

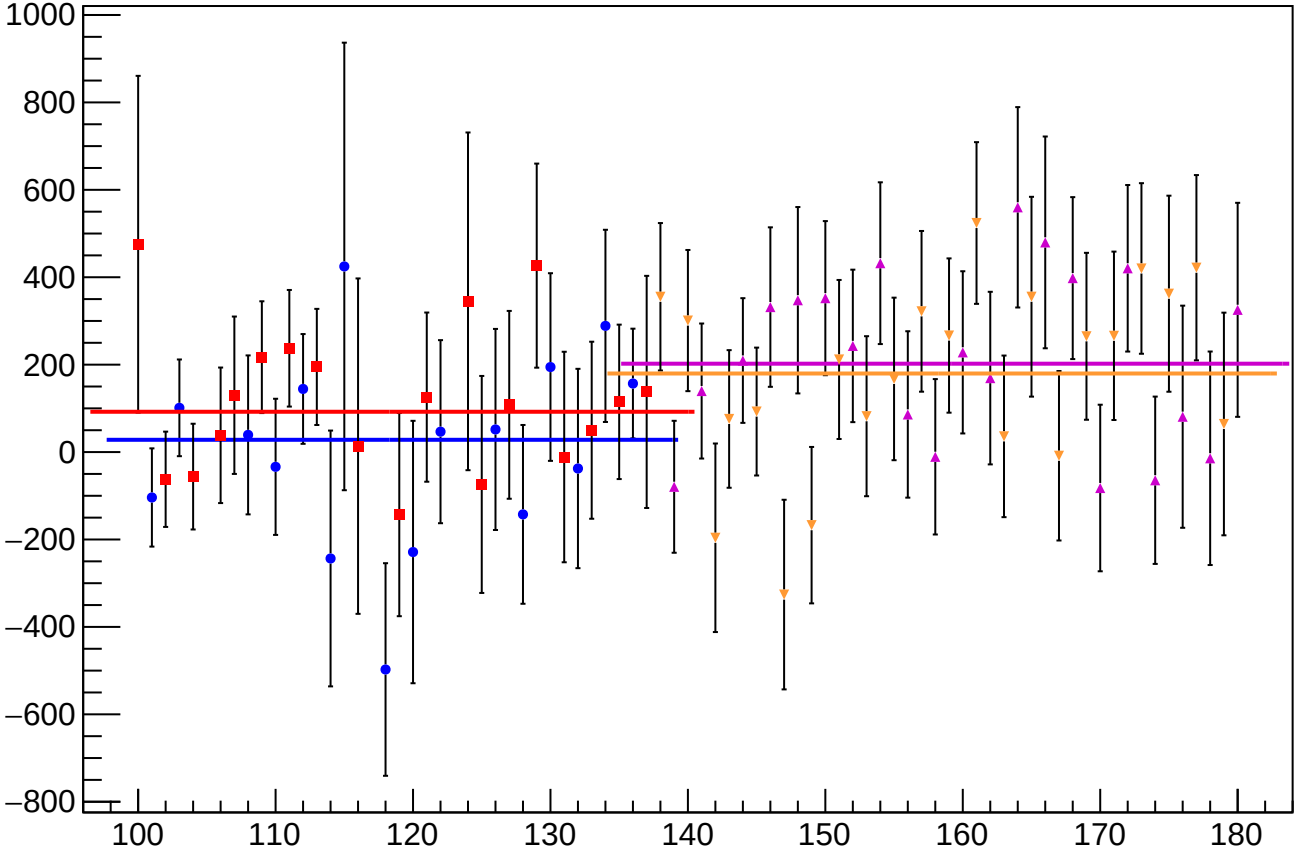
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 879.327+/-0.130 χ^2/NDF:3128666.2/36

Out: 850.623+/-0.126 χ^2/NDF:3616241.2/40

All: 864.466+/-0.090 χ^2/NDF: 6770032.5/77

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.764+/-39.915 χ^2/NDF:25.5/21

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 202.204+/-41.109 χ^2/NDF:20.4/20

Left: 190.654+/-28.637 χ^2/NDF: 46.1/42

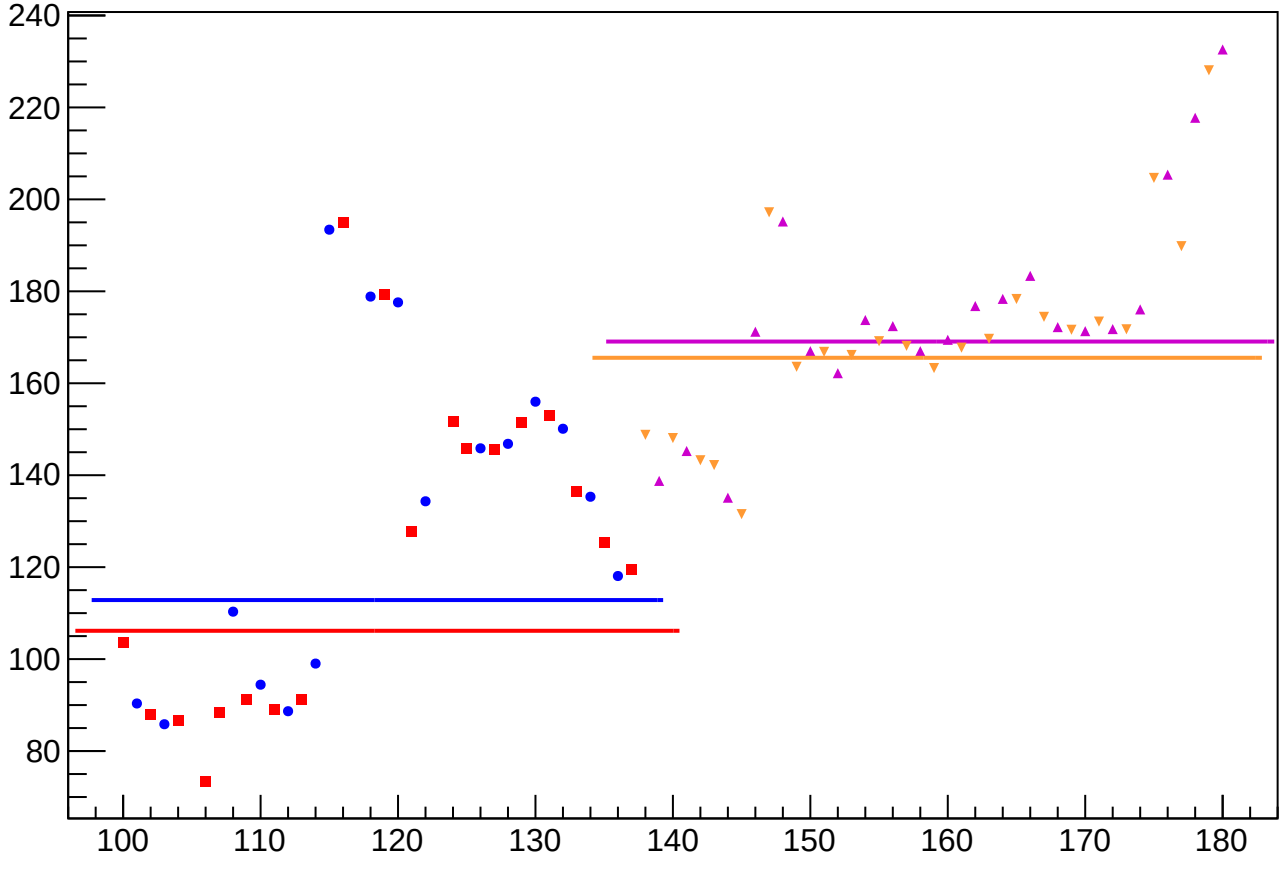
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 119.943+/-29.858 χ^2/NDF:42.4/36

Out: 136.684+/-28.442 χ^2/NDF:39.6/40

All: 128.720+/-20.594 χ^2/NDF: 82.2/77

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 165.542+/-0.028 χ^2/NDF:487735.7/21

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 169.073+/-0.029 χ^2/NDF:549580.1/20

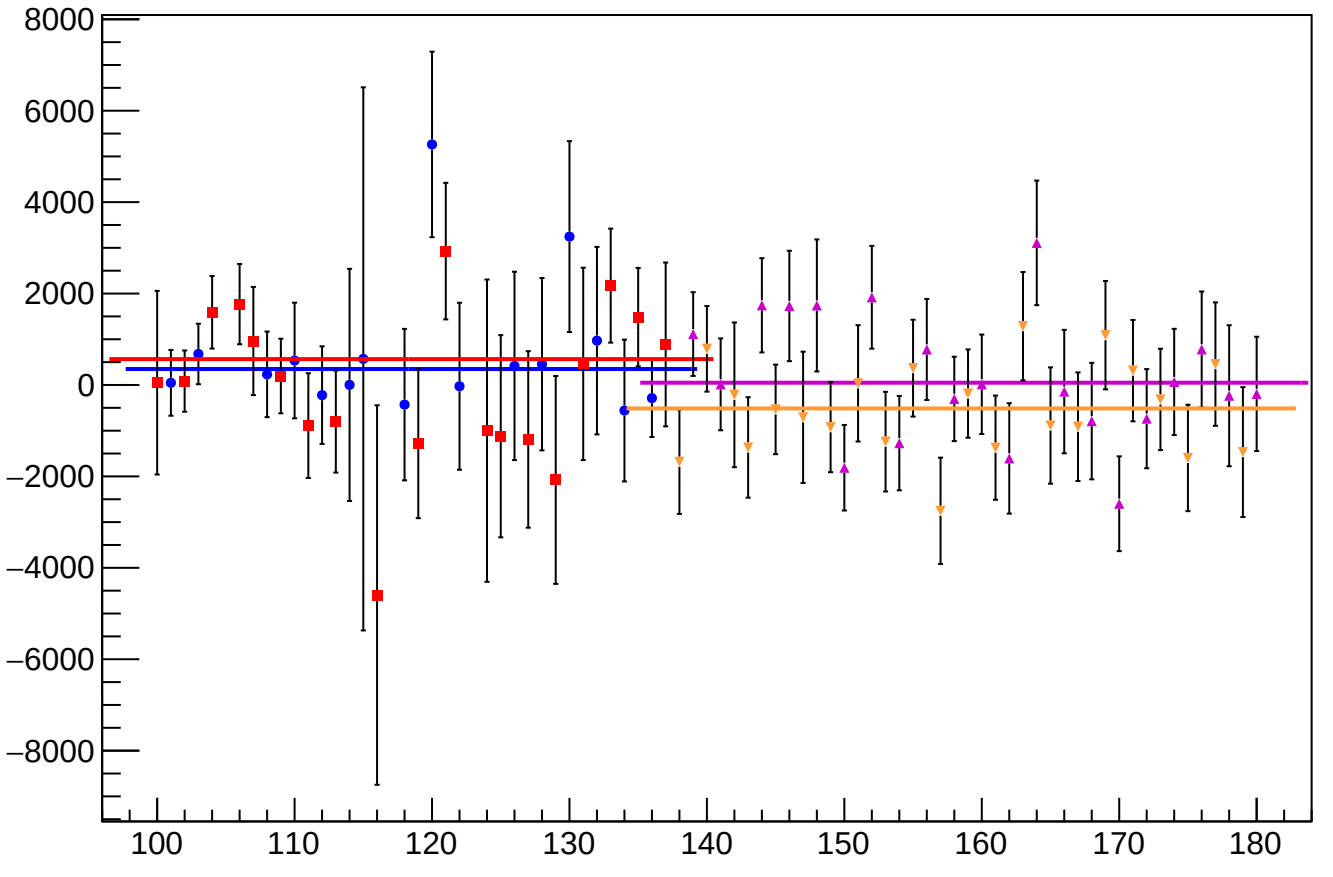
Left: 167.255+/-0.020 χ^2/NDF: 1044911.9/42

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 142.506+/-0.021 χ^2/NDF:3189723.9/36

Out: 136.310+/-0.020 χ^2/NDF:3668898.9/40

All: 139.258+/-0.015 χ^2/NDF: 6903769.5/77



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.938+/-244.078 χ^2/NDF:16.3/21

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 49.523+/-245.522 χ^2/NDF:31.1/20

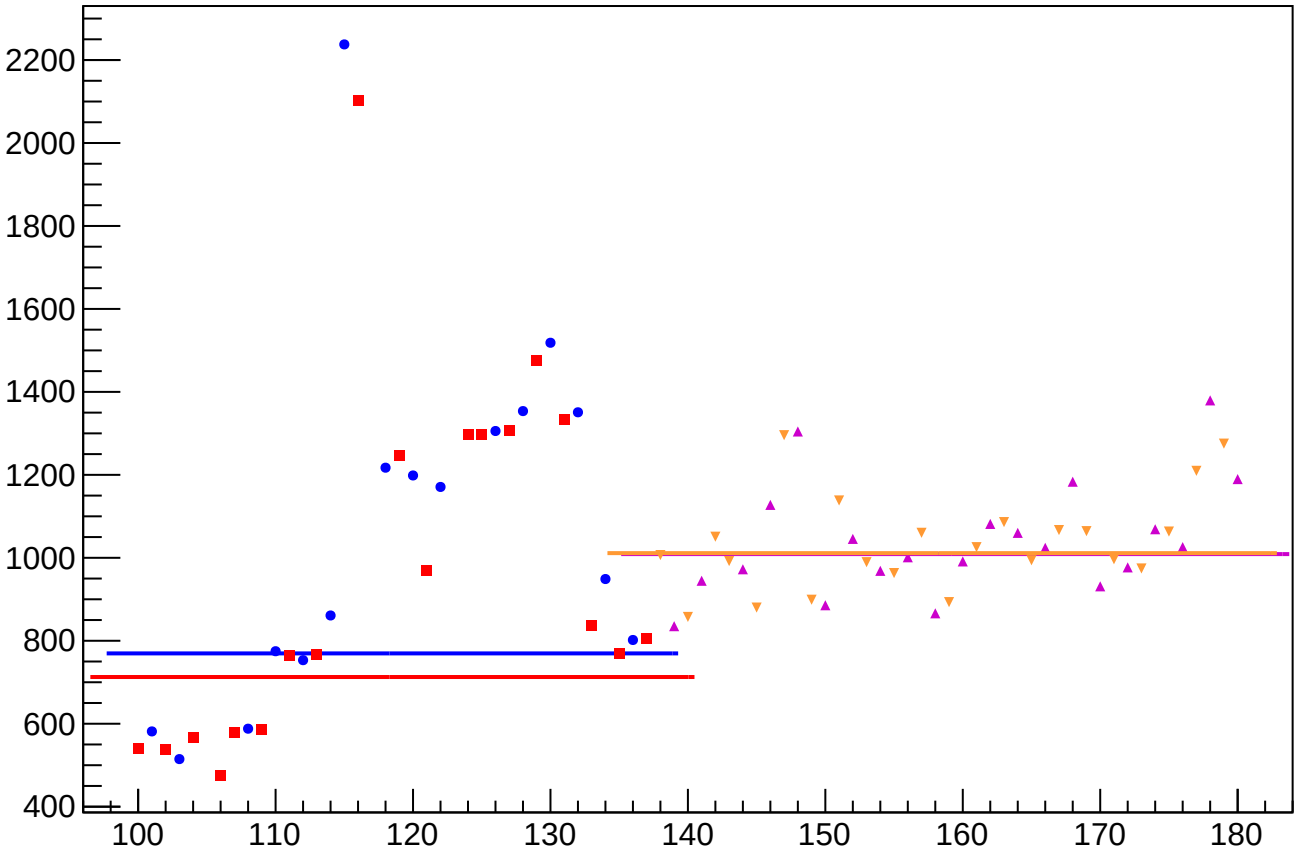
Left: -233.367+/-173.098 χ^2/NDF: 50.0/42

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 167.170+/-191.335 χ^2/NDF:41.5/36

Out: -45.586+/-183.765 χ^2/NDF:43.0/40

All: 56.500+/-132.537 χ^2/NDF: 85.2/77



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1011.286+/-0.173 χ^2/NDF:390293.2/21

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 1008.949+/-0.174 χ^2/NDF:497847.1/20

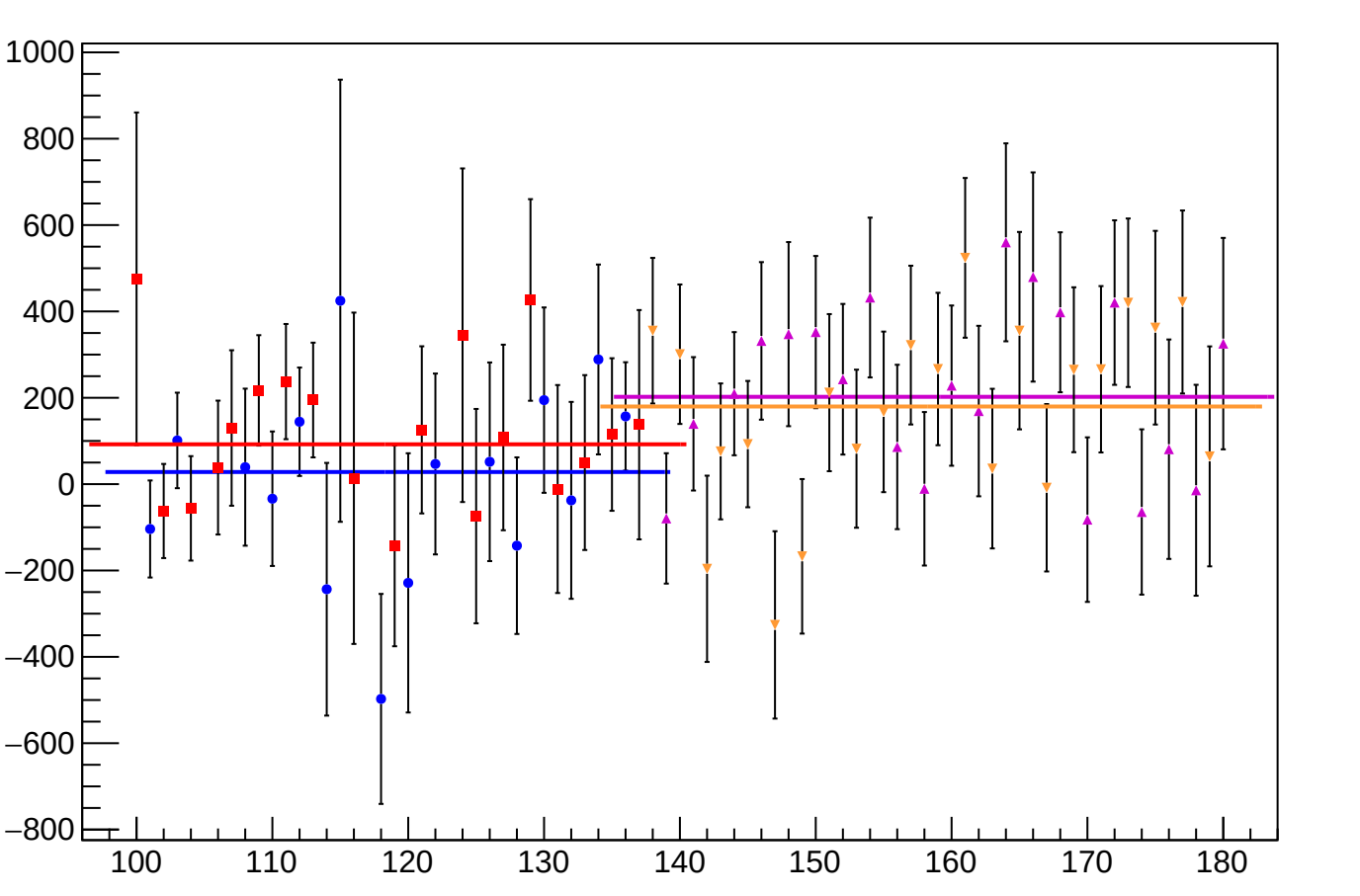
Left: 1010.125+/-0.122 χ^2/NDF: 888231.5/42

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 914.941+/-0.135 χ^2/NDF:2984444.7/36

Out: 881.923+/-0.130 χ^2/NDF:3454573.5/40

All: 897.766+/-0.094 χ^2/NDF: 6469999.8/77



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.765+/-39.915 χ^2/NDF:25.5/21

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 202.204+/-41.109 χ^2/NDF:20.4/20

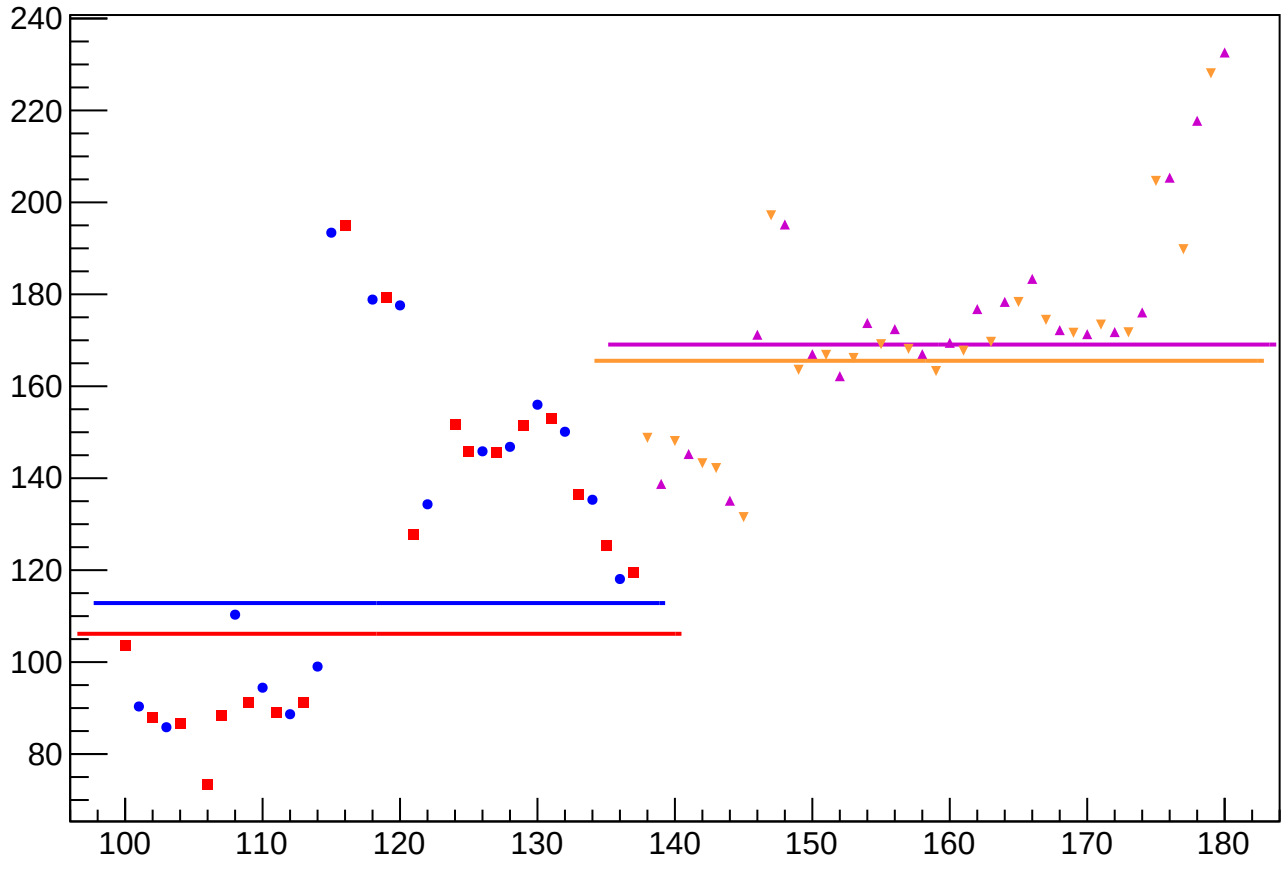
Left: 190.654+/-28.637 χ^2/NDF: 46.1/42

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 119.942+/-29.858 χ^2/NDF:42.4/36

Out: 136.684+/-28.442 χ^2/NDF:39.6/40

All: 128.719+/-20.594 χ^2/NDF: 82.2/77



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 165.542+/-0.028 χ^2/NDF:487728.7/21

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 169.073+/-0.029 χ^2/NDF:549571.3/20

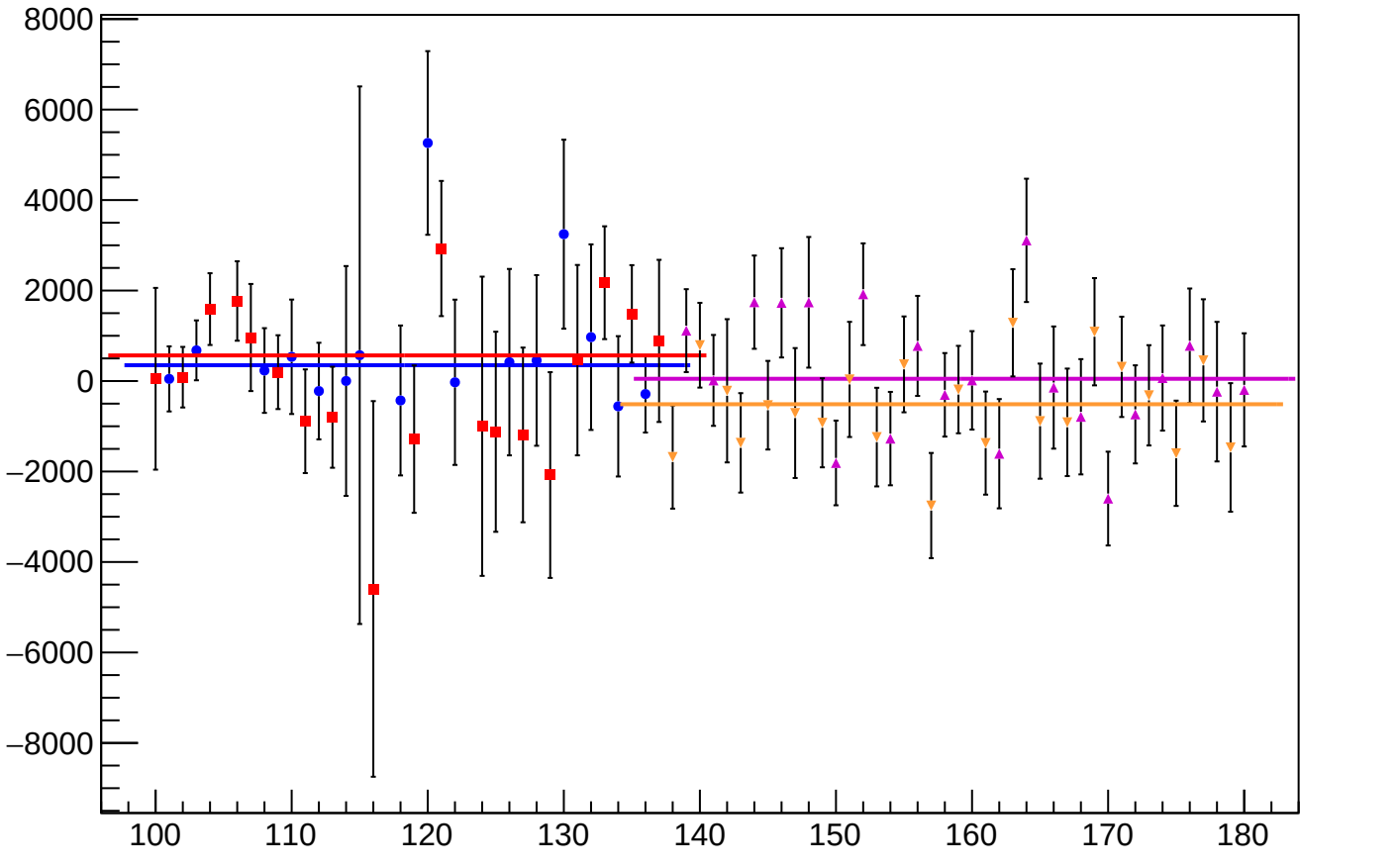
Left: 167.255+/-0.020 χ^2/NDF: 1044896.7/42

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 142.506+/-0.021 χ^2/NDF:3189747.7/36

Out: 136.310+/-0.020 χ^2/NDF:3668908.7/40

All: 139.258+/-0.015 χ^2/NDF: 6903803.2/77



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.937+/-244.078 χ^2/NDF:16.3/21

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 49.524+/-245.523 χ^2/NDF:31.1/20

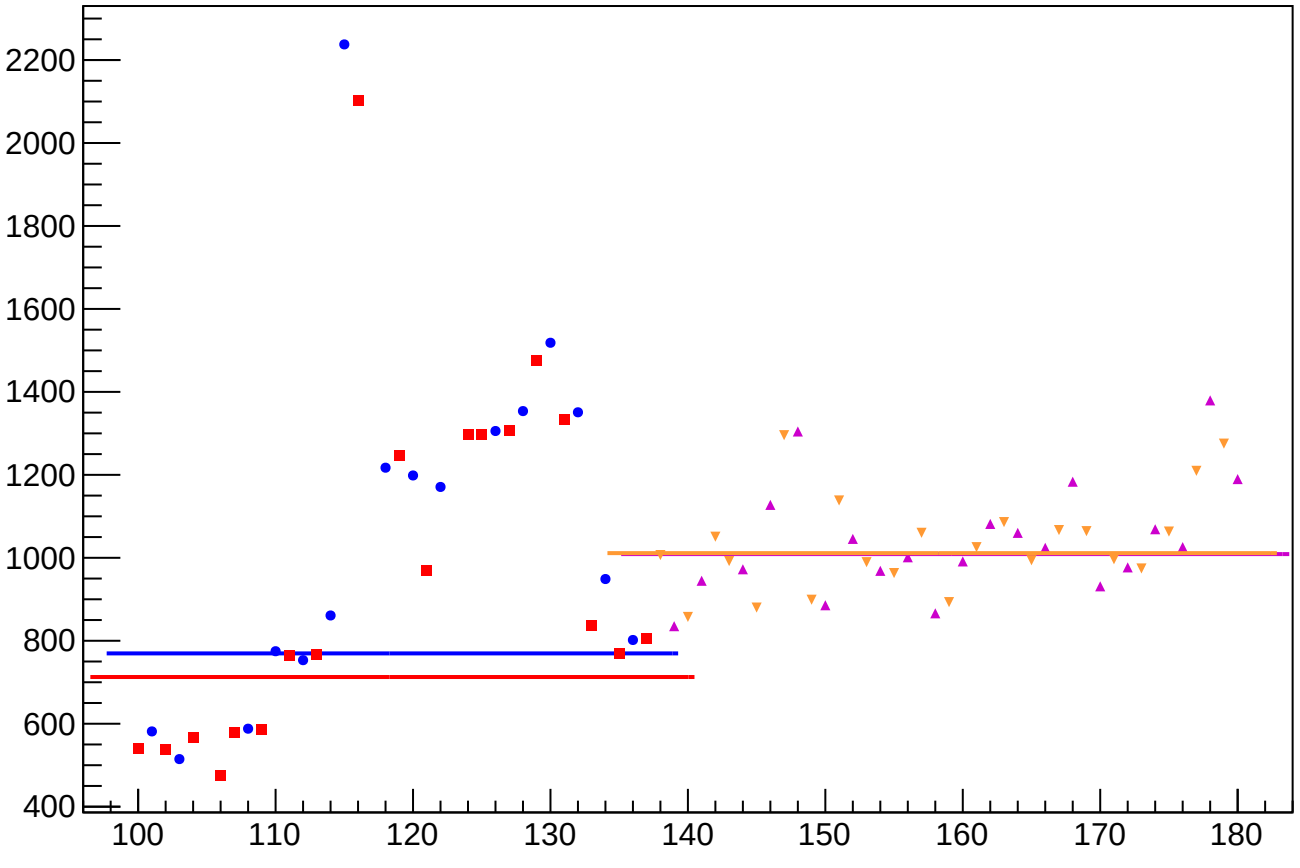
Left: -233.366+/-173.098 χ^2/NDF: 50.0/42

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 167.171+/-191.335 χ^2/NDF:41.5/36

Out: -45.584+/-183.765 χ^2/NDF:43.0/40

All: 56.502+/-132.537 χ^2/NDF: 85.2/77



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1011.288+/-0.173 χ^2/NDF:390292.3/21

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 1008.951+/-0.174 χ^2/NDF:497847.3/20

Left: 1010.126+/-0.122 χ^2/NDF: 888230.7/42

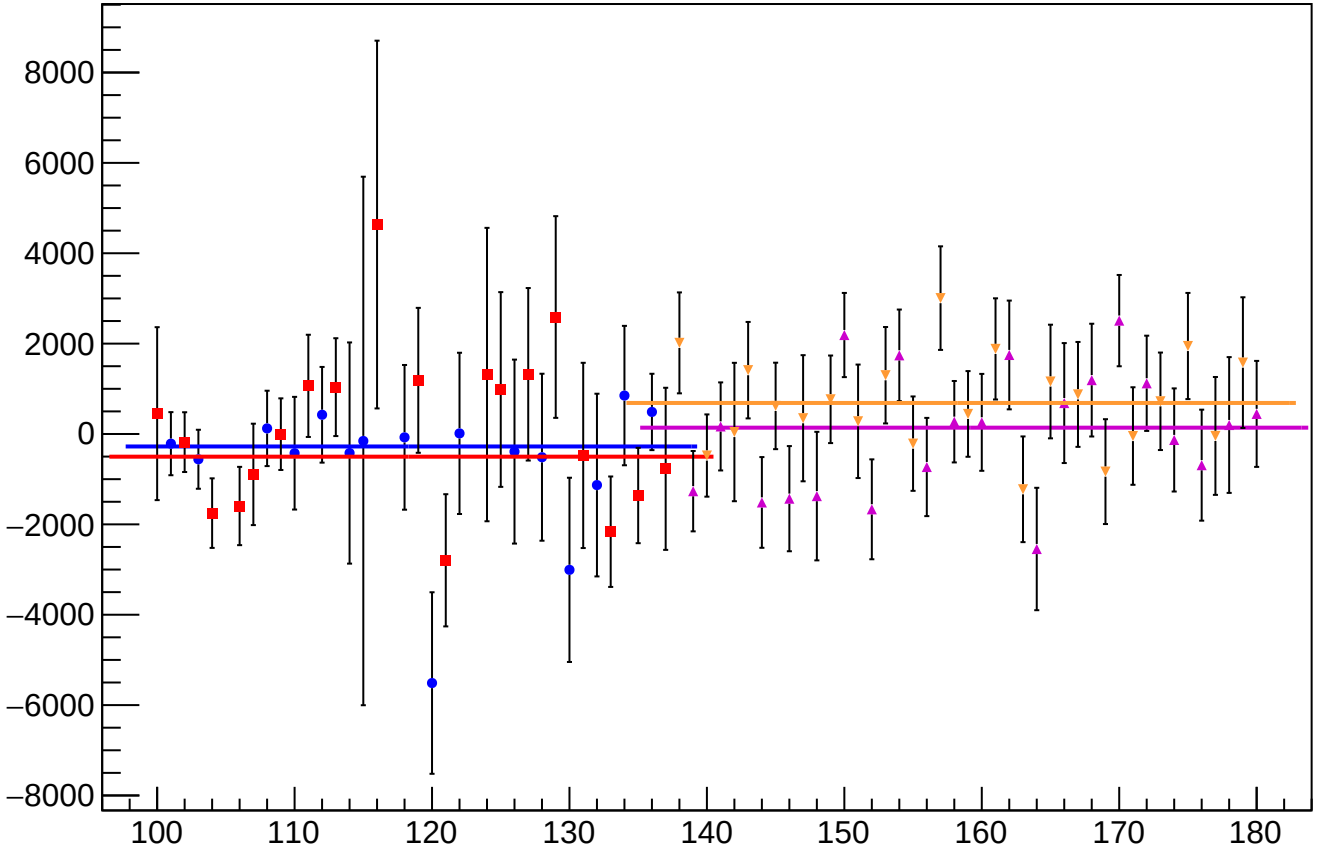
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 914.941+/-0.135 χ^2/NDF:2984458.6/36

Out: 881.923+/-0.130 χ^2/NDF:3454588.4/40

All: 897.766+/-0.094 χ^2/NDF: 6470028.8/77

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.799+/-239.454 χ^2/NDF:17.1/21

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 139.820+/-240.002 χ^2/NDF:32.4/20

Left: 413.935+/-169.513 χ^2/NDF: 52.1/42

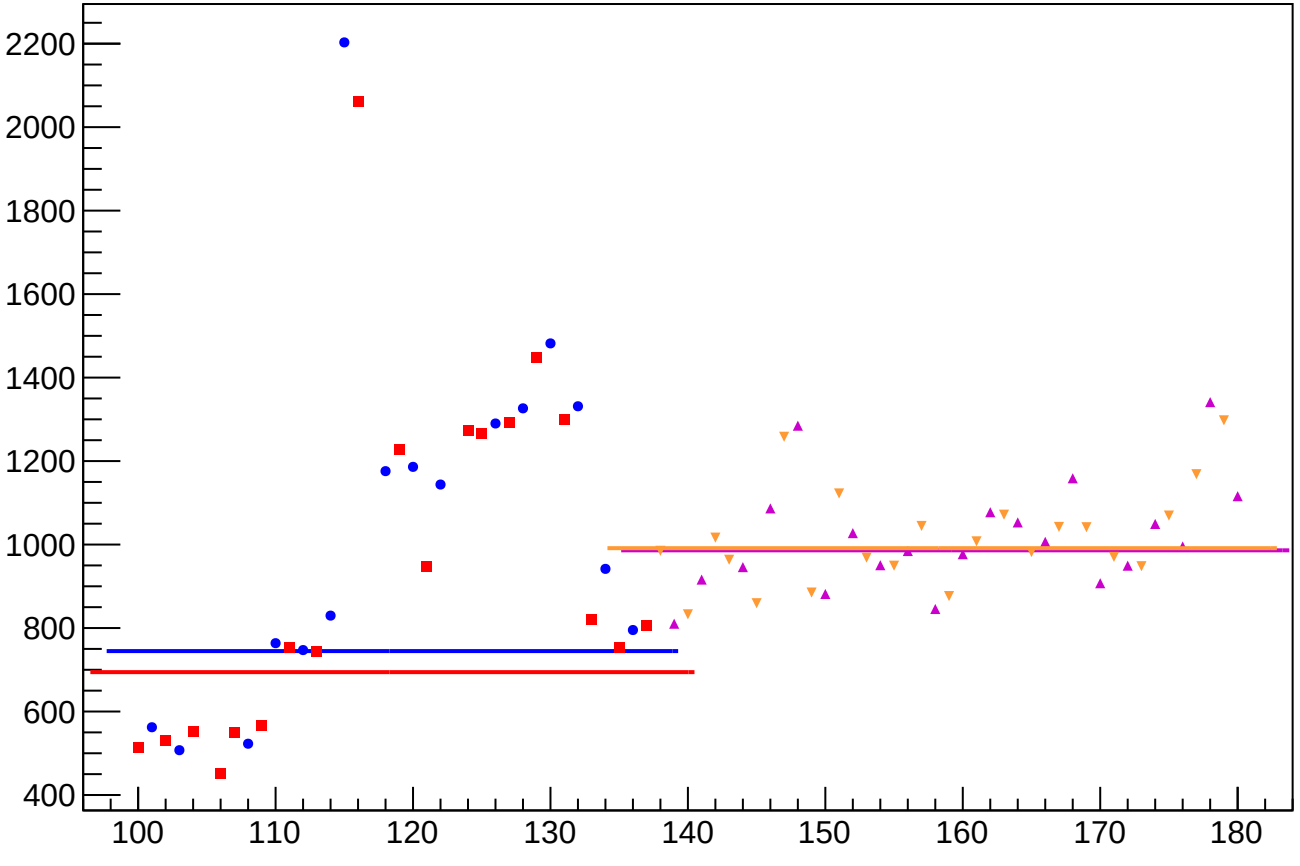
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -24.720+/-186.599 χ^2/NDF:44.7/36

Out: 169.875+/-180.015 χ^2/NDF:48.3/40

All: 76.071+/-129.555 χ^2/NDF: 93.5/77

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 991.333+/-0.169 χ^2/NDF:414296.3/21

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 986.177+/-0.170 χ^2/NDF:486146.3/20

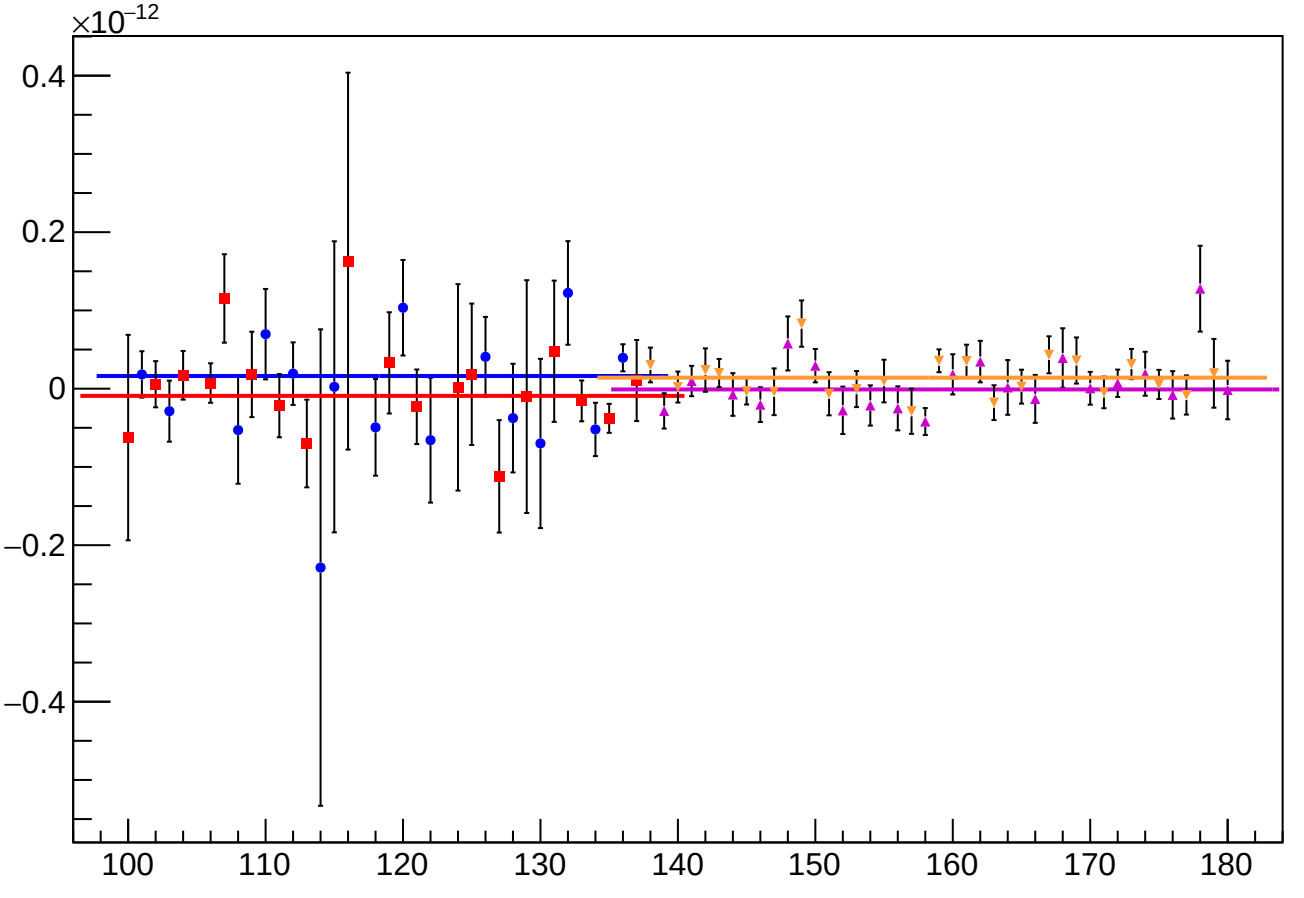
Left: 988.761+/-0.120 χ^2/NDF: 900905.1/42

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 890.703+/-0.132 χ^2/NDF:3108927.8/36

Out: 862.194+/-0.127 χ^2/NDF:3555795.7/40

All: 875.937+/-0.092 χ^2/NDF: 6688904.8/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/20

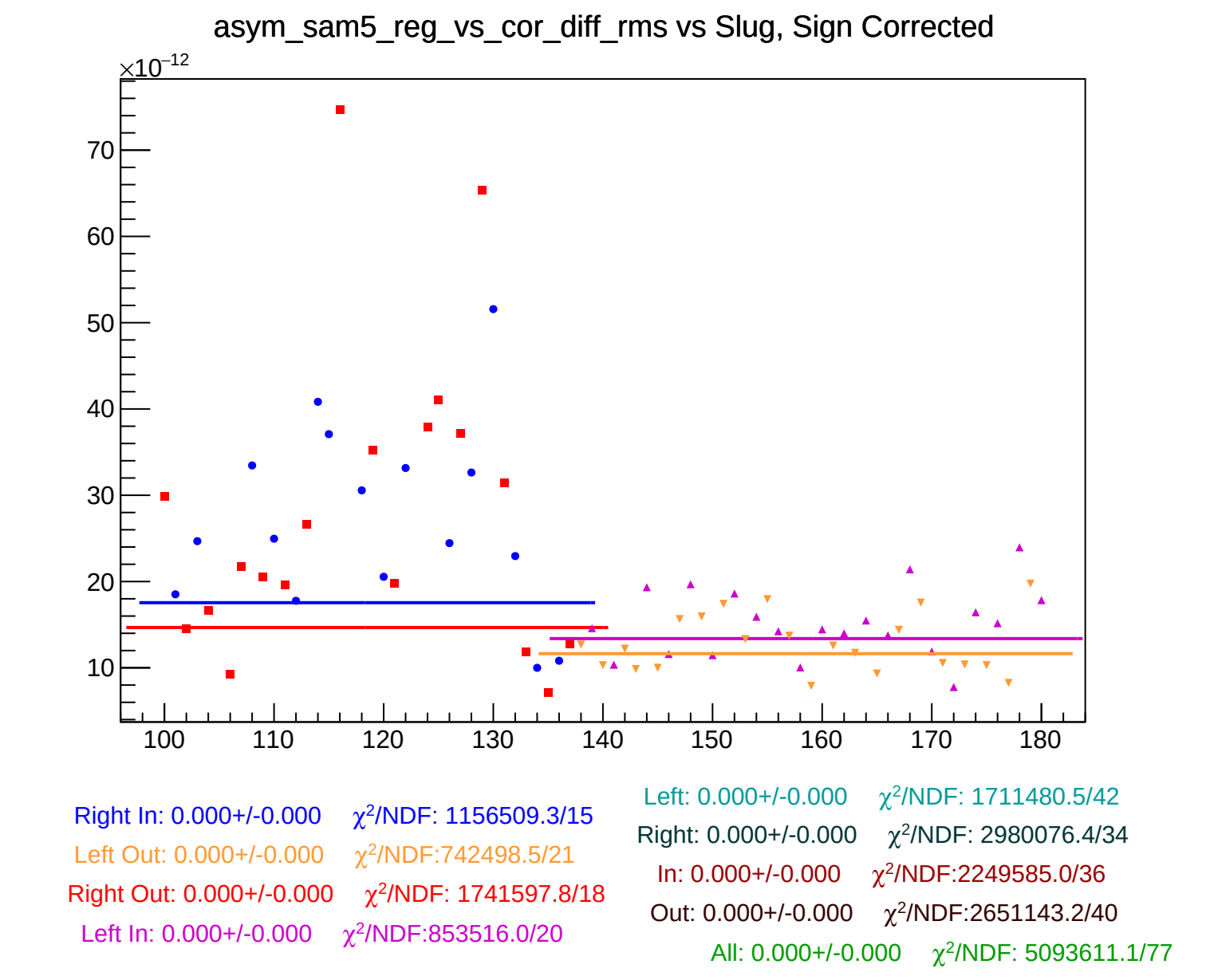
Left: 0.000+/-0.000 χ^2/NDF: 51.1/42

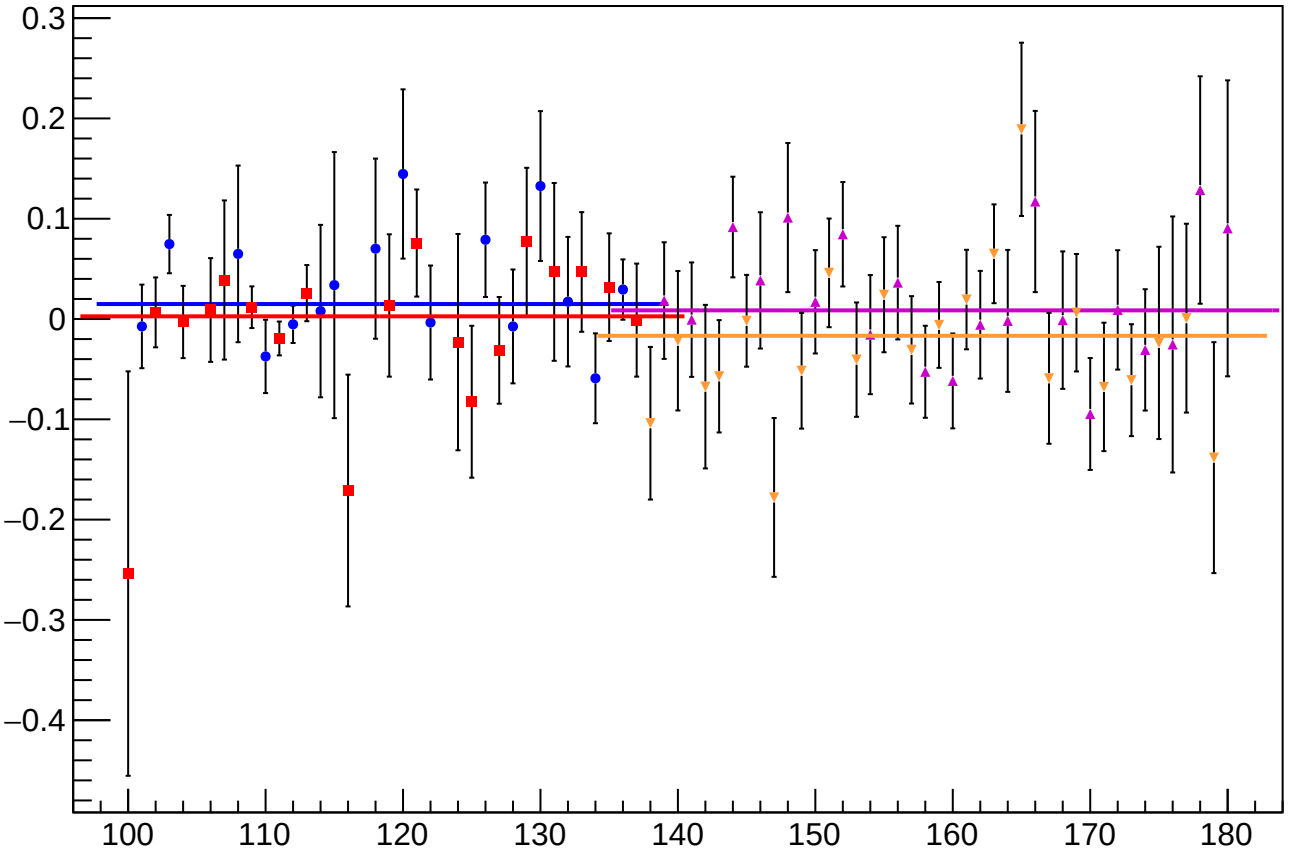
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:45.3/36

Out: 0.000+/-0.000 χ^2/NDF:40.6/40

All: 0.000+/-0.000 χ^2/NDF: 86.9/77


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:742498.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:853516.0/20
Left: 0.000+/-0.000 χ²/NDF: 1711480.5/42
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2249585.0/36
Out: 0.000+/-0.000 χ²/NDF:2651143.2/40
All: 0.000+/-0.000 χ²/NDF: 5093611.1/77



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.013 χ^2/NDF:18.0/20

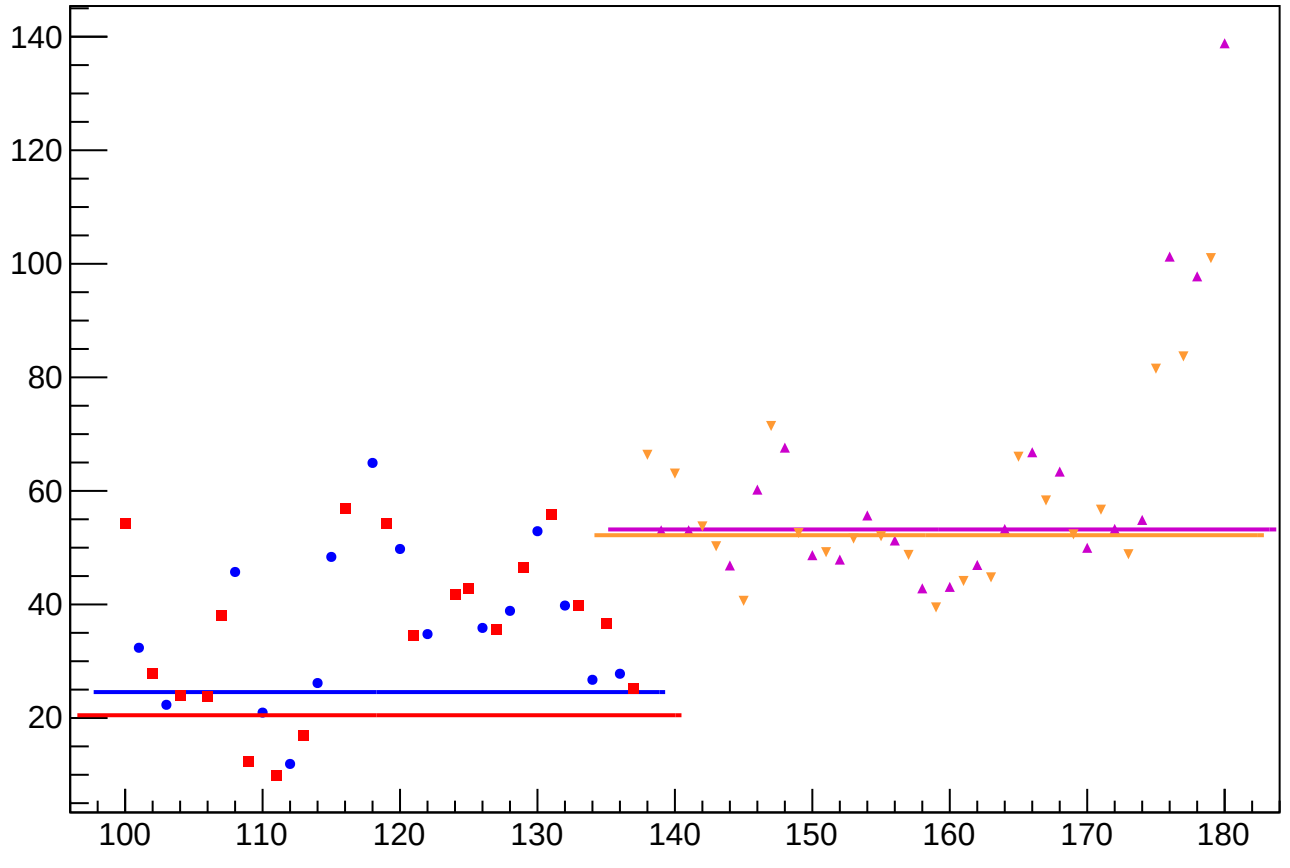
Left: -0.004+/-0.009 χ^2/NDF: 40.8/42

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.9/36

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.004+/-0.006 χ^2/NDF: 72.9/77



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

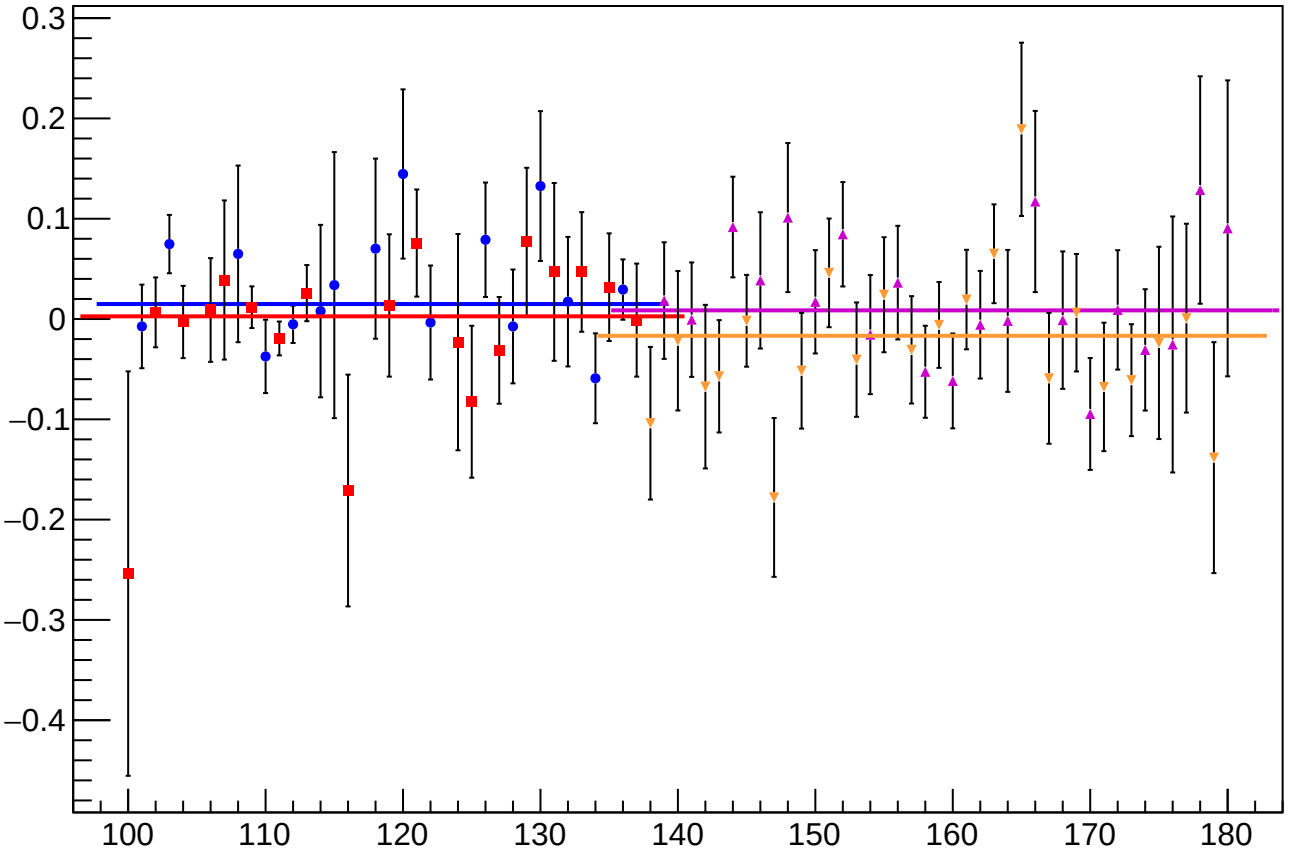
Left: 52.688+/-0.007 χ^2/NDF: 3274216.4/42

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.619+/-0.006 χ^2/NDF:9889095.9/36

Out: 31.177+/-0.005 χ^2/NDF:13060279.8/40

All: 33.178+/-0.004 χ^2/NDF: 23264378.4/77



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.013 χ^2/NDF:18.0/20

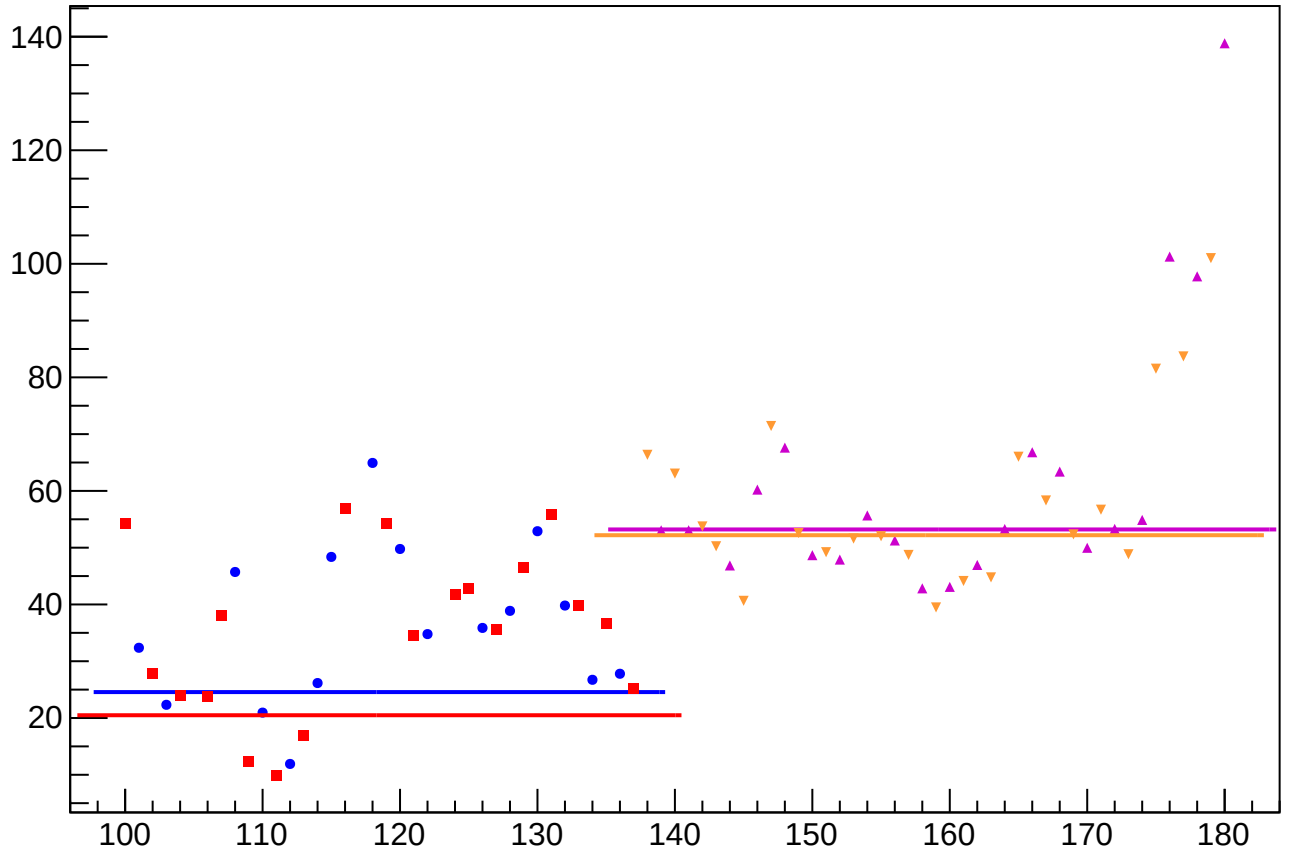
Left: -0.004+/-0.009 χ^2/NDF: 40.8/42

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.9/36

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.004+/-0.006 χ^2/NDF: 72.9/77



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.211+/-0.009 χ^2/NDF:1755475.4/20

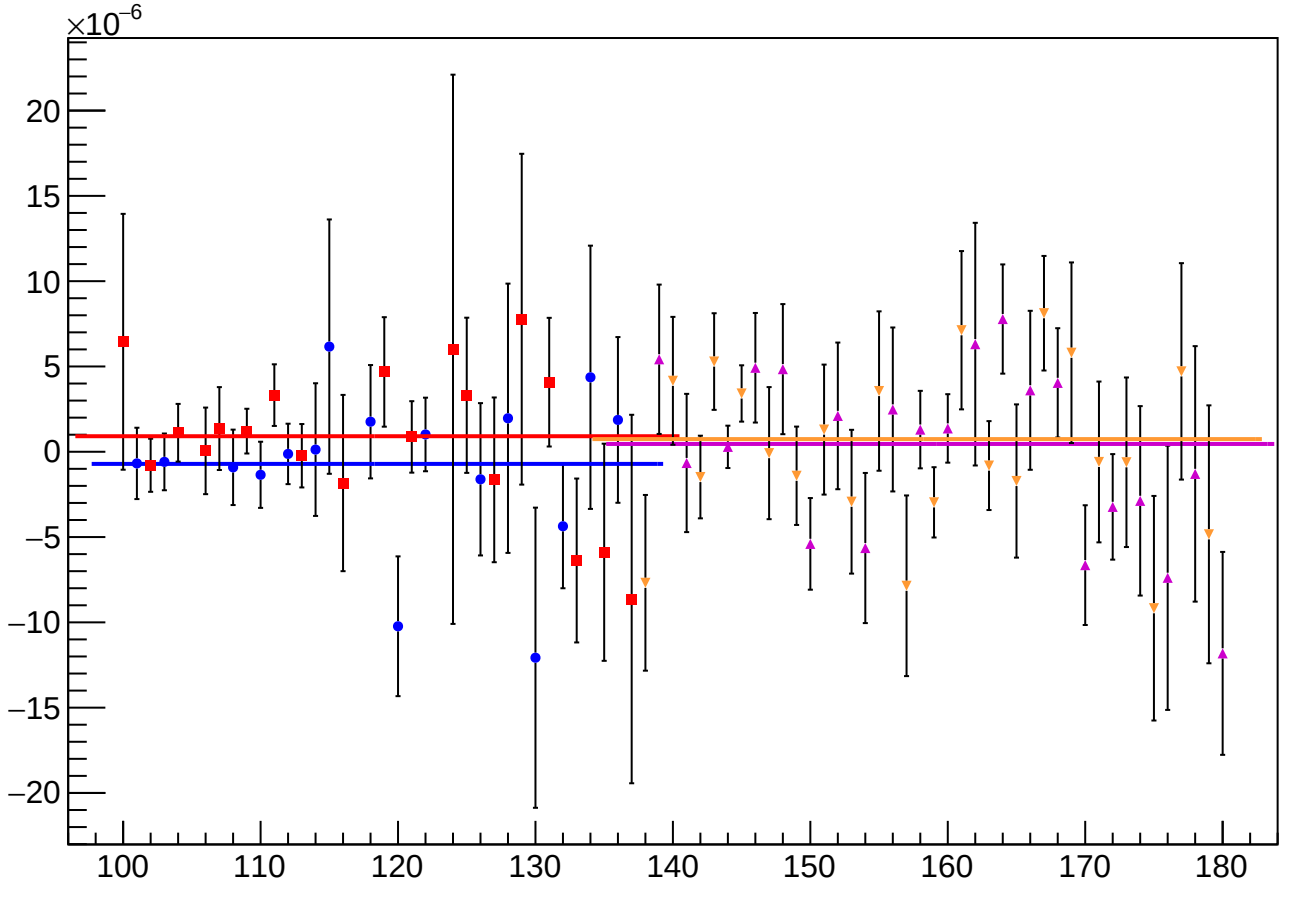
Left: 52.688+/-0.007 χ^2/NDF: 3274216.4/42

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.619+/-0.006 χ^2/NDF:9889095.9/36

Out: 31.177+/-0.005 χ^2/NDF:13060279.8/40

All: 33.178+/-0.004 χ^2/NDF: 23264378.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:30.8/20

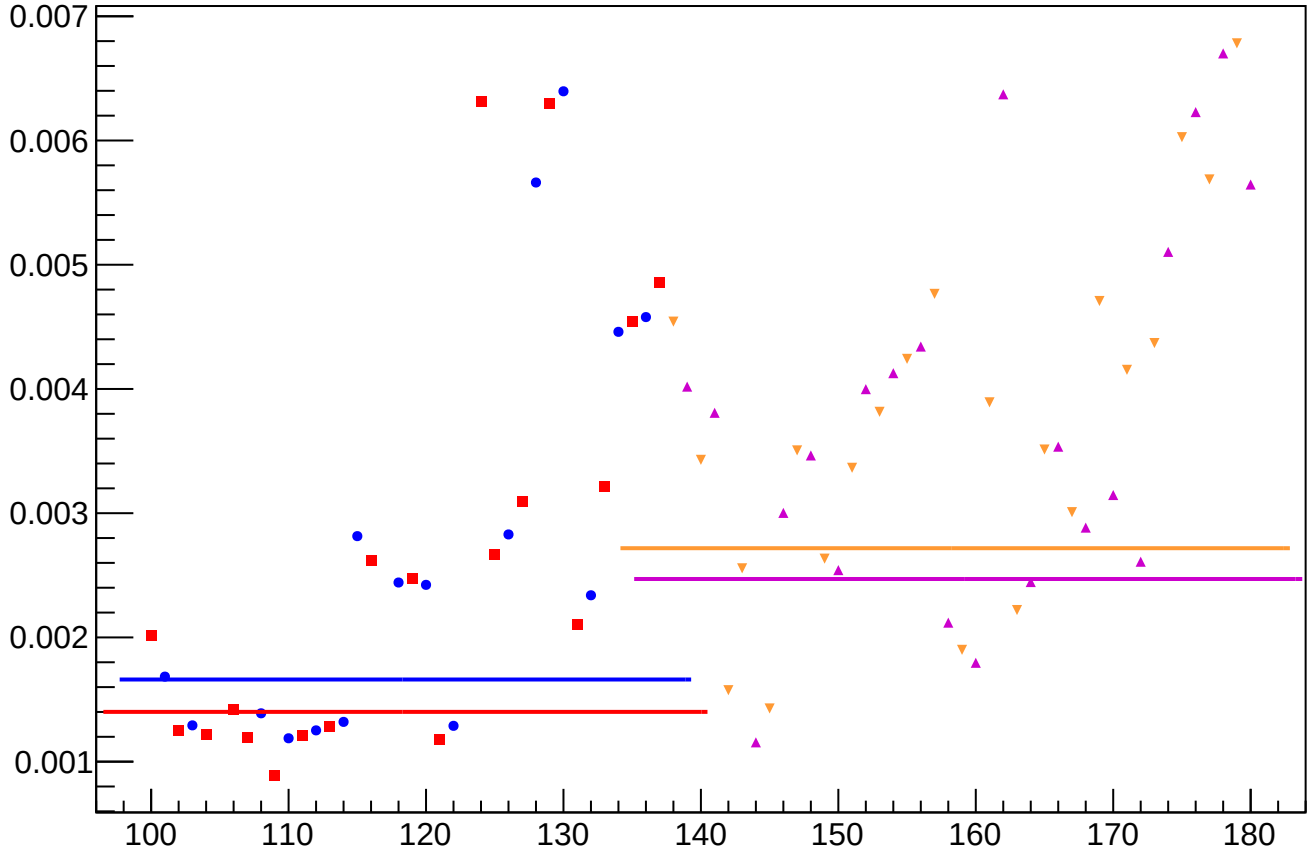
Left: 0.000+/-0.000 χ^2/NDF: 59.7/42

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:43.5/36

Out: 0.000+/-0.000 χ^2/NDF:40.7/40

All: 0.000+/-0.000 χ^2/NDF: 86.3/77



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5590011.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:6963519.7/20

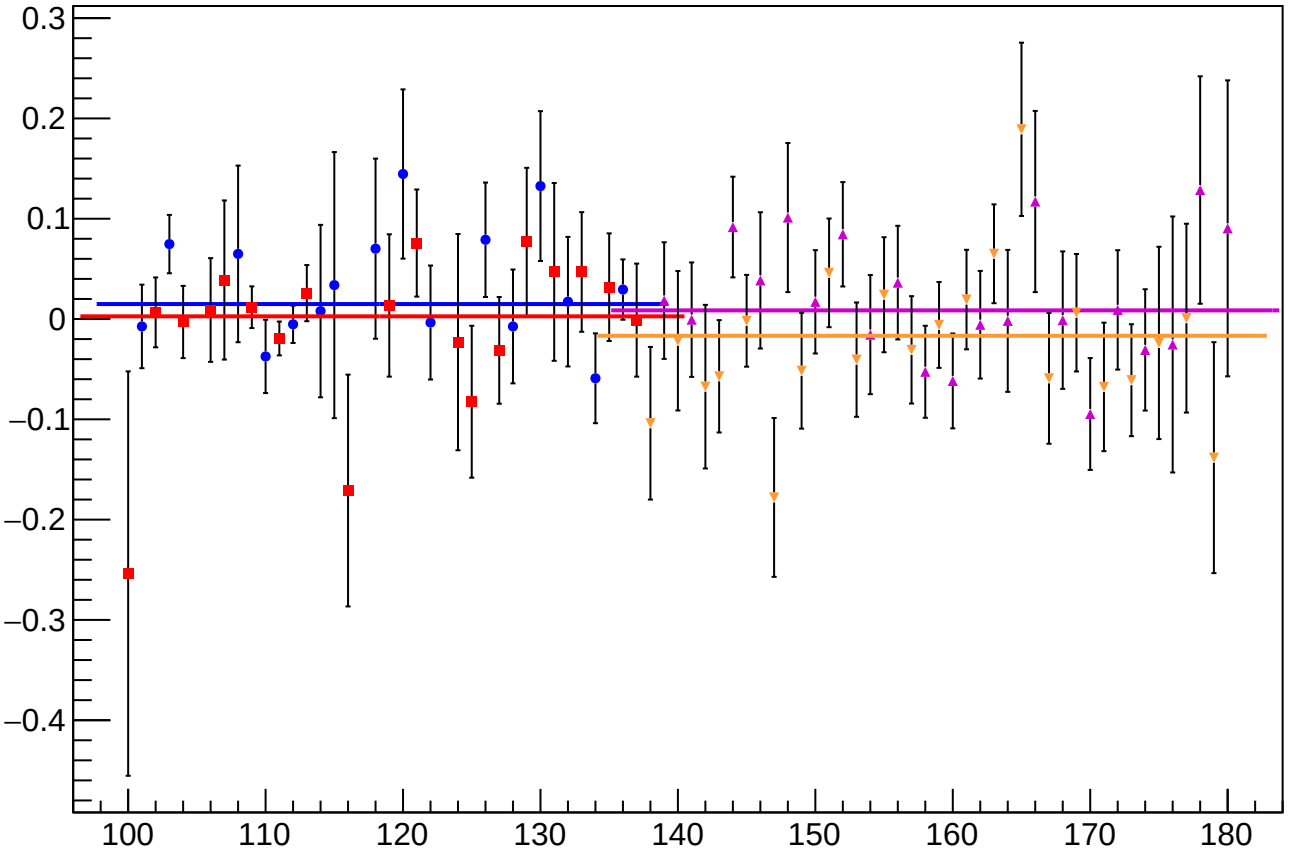
Left: 0.003+/-0.000 χ^2/NDF: 12679419.4/42

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:11292012.6/36

Out: 0.002+/-0.000 χ^2/NDF:12513200.5/40

All: 0.002+/-0.000 χ^2/NDF: 23913694.7/77



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.013 χ^2/NDF:18.0/20

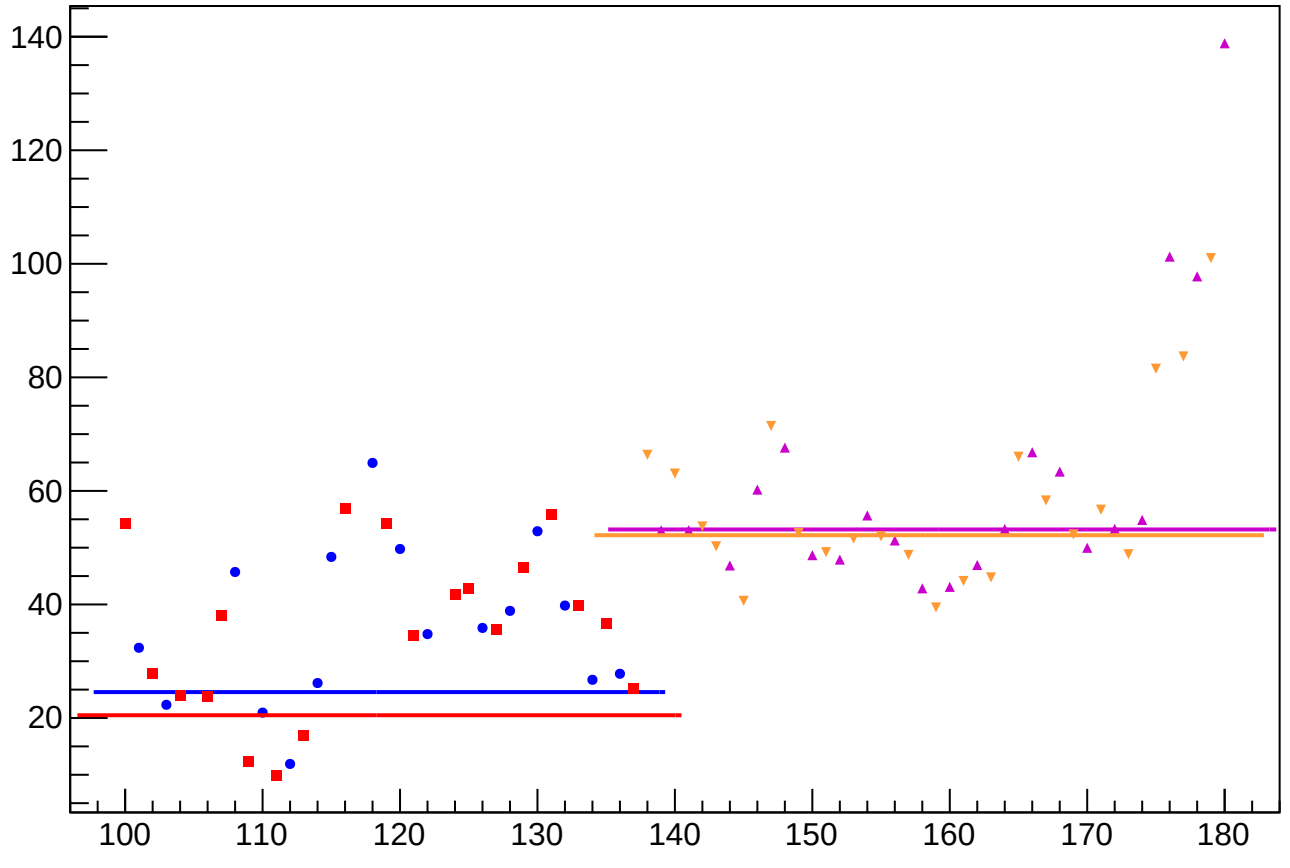
Left: -0.004+/-0.009 χ^2/NDF: 40.8/42

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.9/36

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.004+/-0.006 χ^2/NDF: 72.9/77



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

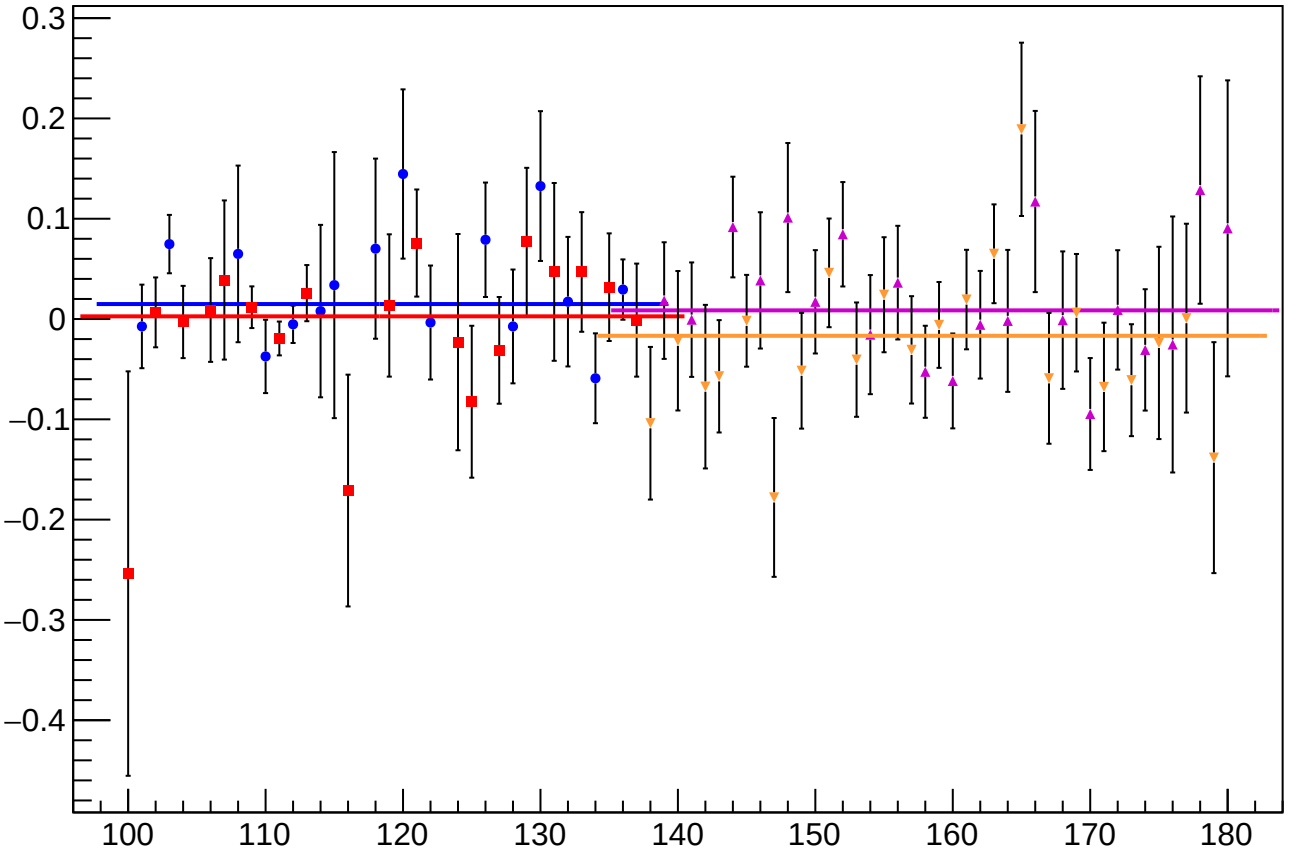
Left: 52.688+/-0.007 χ^2/NDF: 3274328.7/42

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.618+/-0.006 χ^2/NDF:9889400.5/36

Out: 31.176+/-0.005 χ^2/NDF:13060745.5/40

All: 33.177+/-0.004 χ^2/NDF: 23265167.4/77



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.013 χ^2/NDF:18.0/20

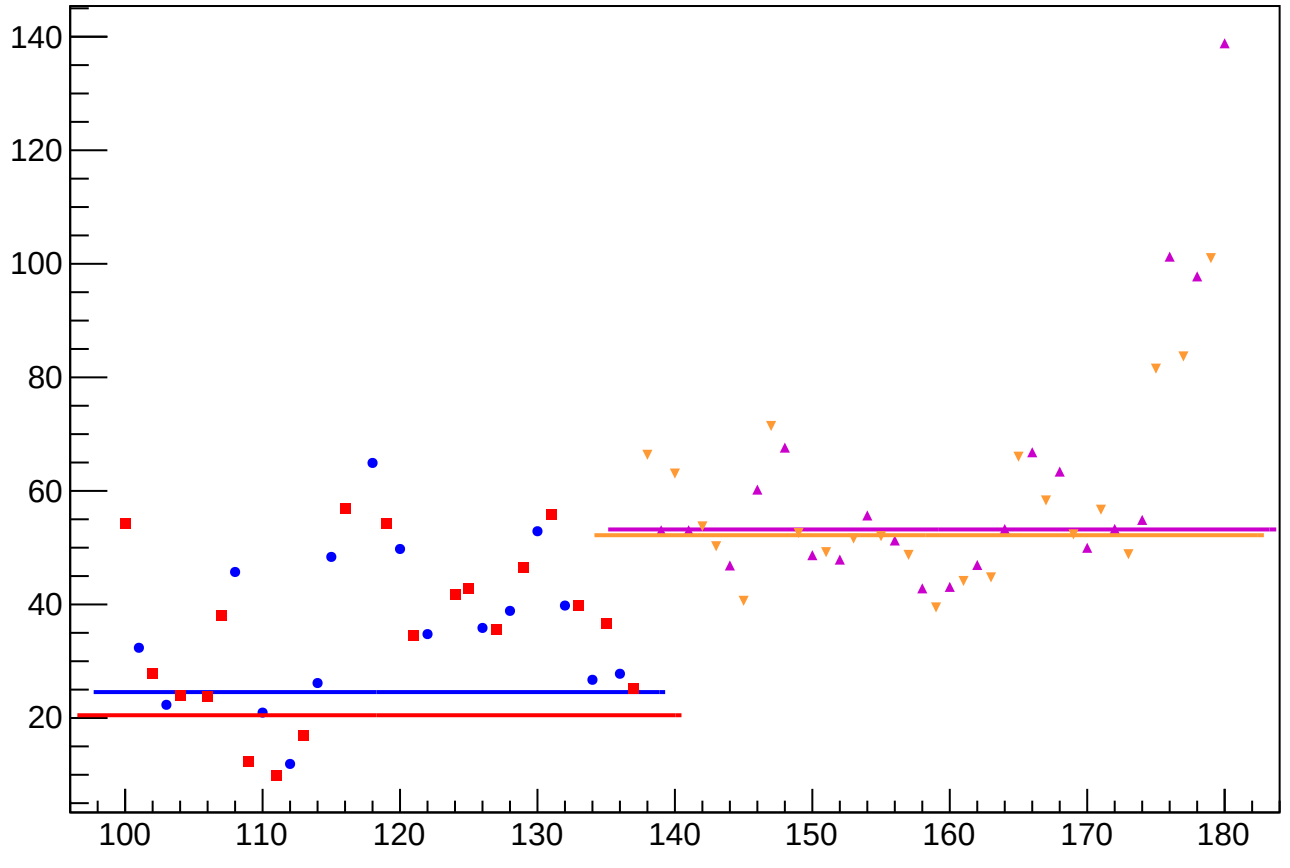
Left: -0.004+/-0.009 χ^2/NDF: 40.8/42

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.9/36

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.004+/-0.006 χ^2/NDF: 72.9/77



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.211+/-0.009 χ^2/NDF:1755518.4/20

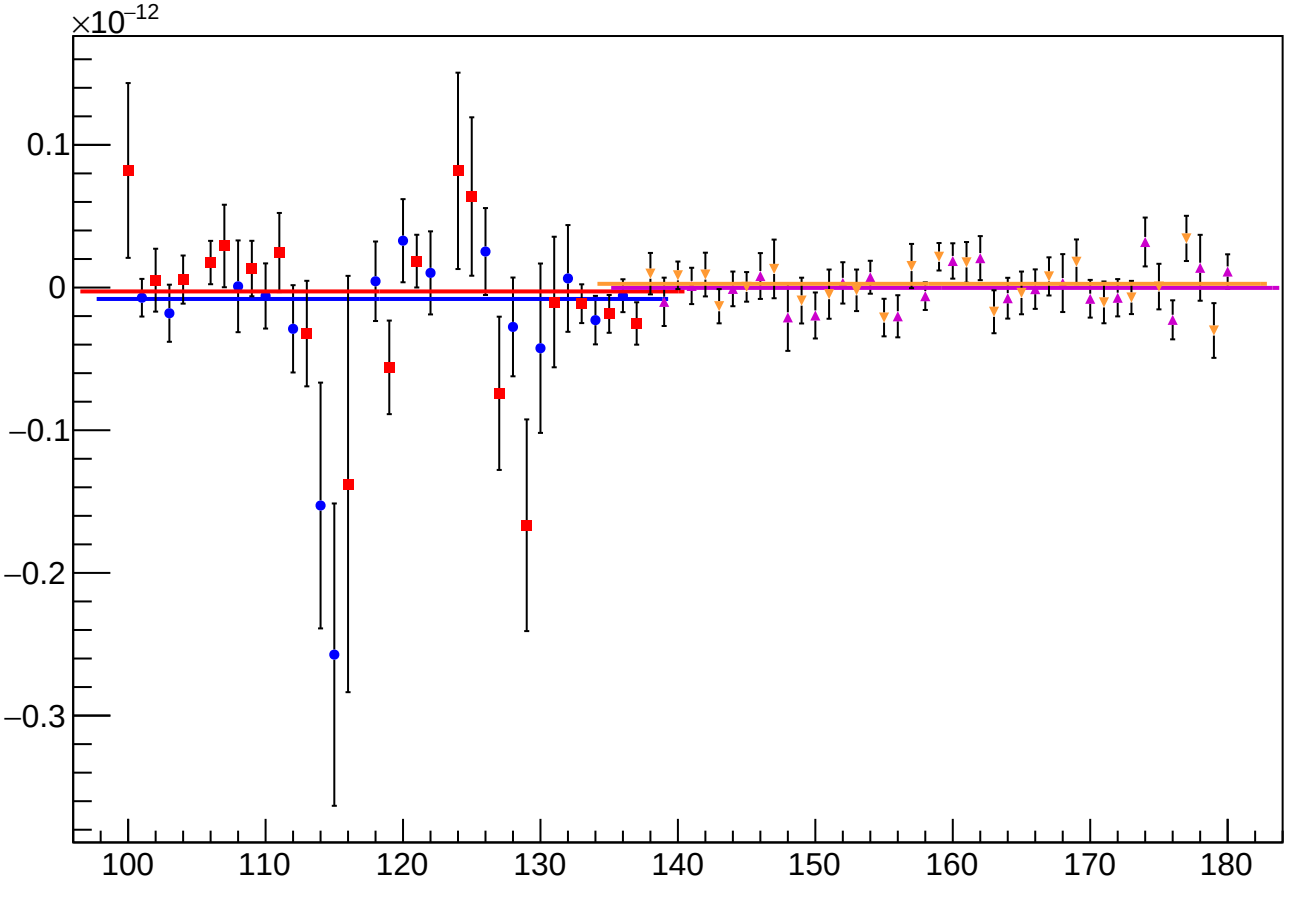
Left: 52.688+/-0.007 χ^2/NDF: 3274328.7/42

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.618+/-0.006 χ^2/NDF:9889400.5/36

Out: 31.176+/-0.005 χ^2/NDF:13060745.5/40

All: 33.177+/-0.004 χ^2/NDF: 23265167.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/20

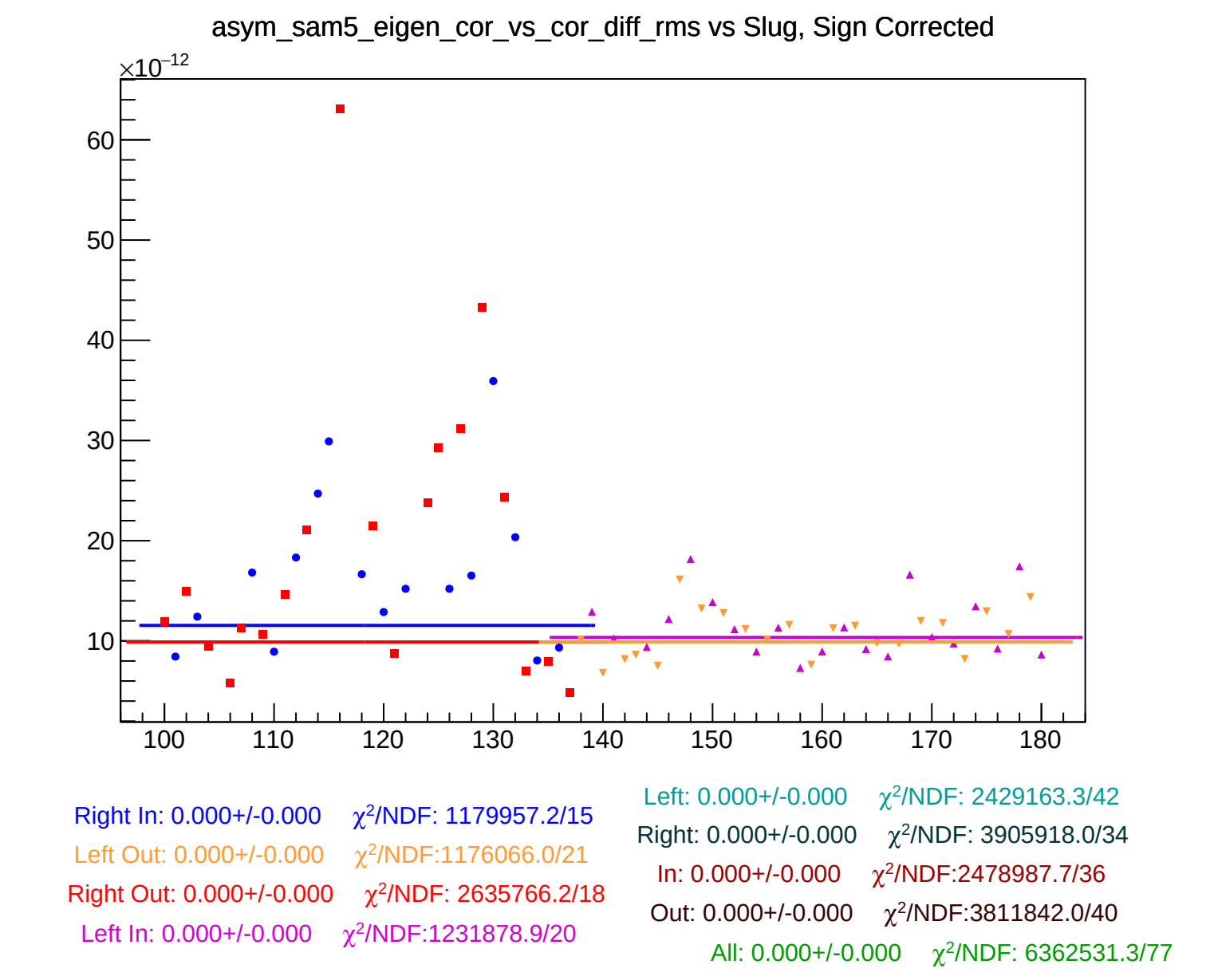
Left: 0.000+/-0.000 χ^2/NDF: 42.4/42

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

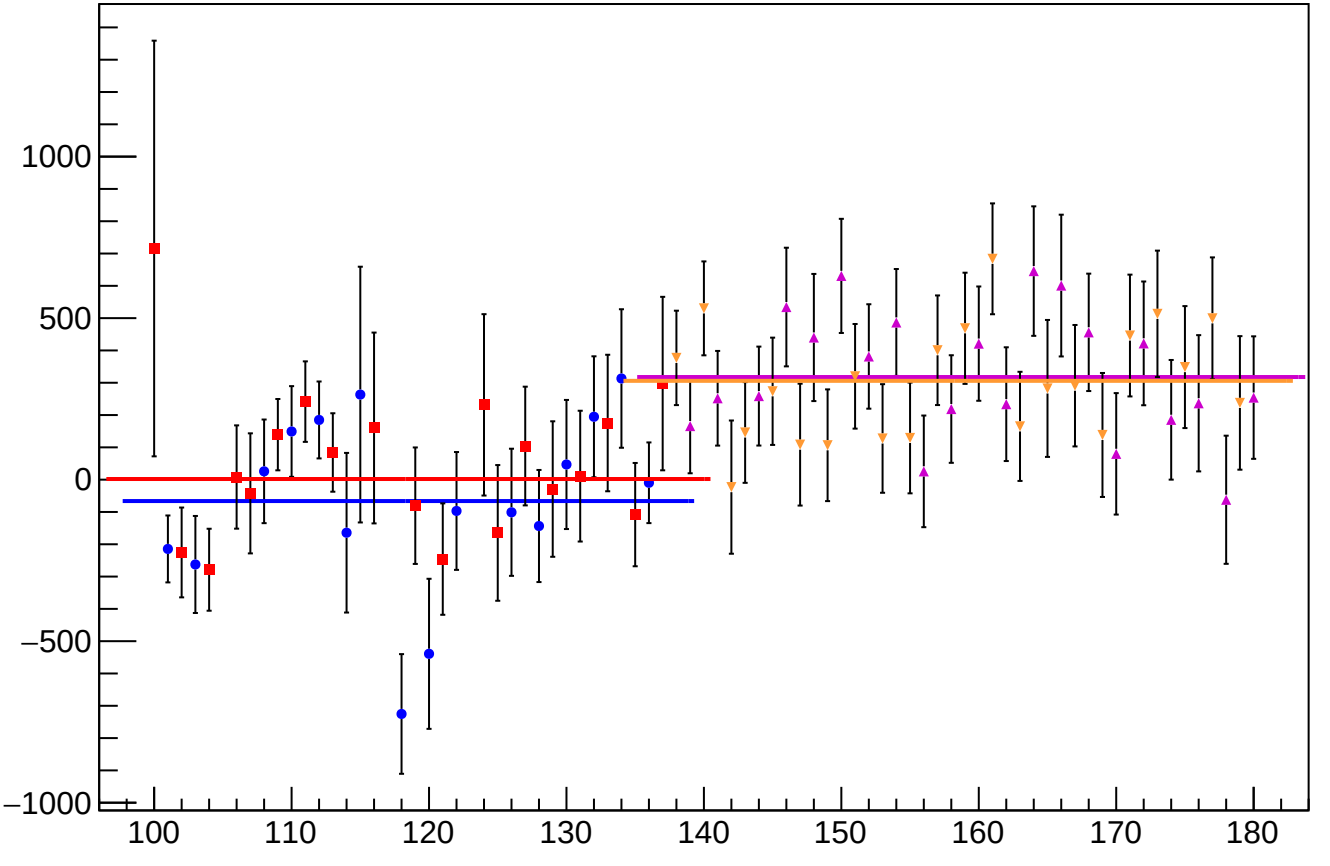
In: -0.000+/-0.000 χ^2/NDF:33.9/36

Out: 0.000+/-0.000 χ^2/NDF:50.8/40

All: -0.000+/-0.000 χ^2/NDF: 85.5/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1176066.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1231878.9/20
Left: 0.000+/-0.000 χ²/NDF: 2429163.3/42
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2478987.7/36
Out: 0.000+/-0.000 χ²/NDF:3811842.0/40
All: 0.000+/-0.000 χ²/NDF: 6362531.3/77

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.921+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 317.720+/-38.679 χ^2/NDF:22.6/20

Left: 311.629+/-26.903 χ^2/NDF: 43.9/42

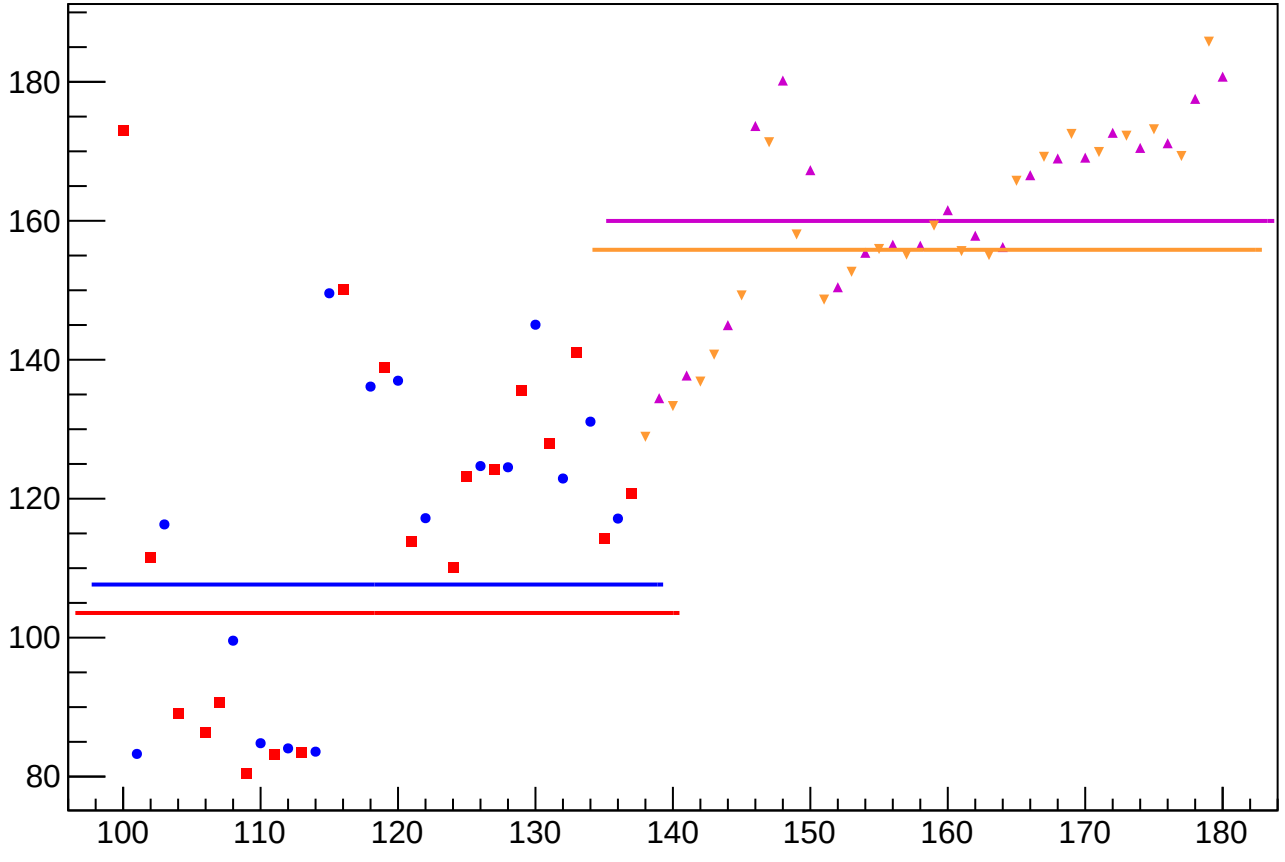
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 136.626+/-28.115 χ^2/NDF:103.5/36

Out: 159.628+/-26.966 χ^2/NDF:74.1/40

All: 148.607+/-19.461 χ^2/NDF: 177.9/77

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

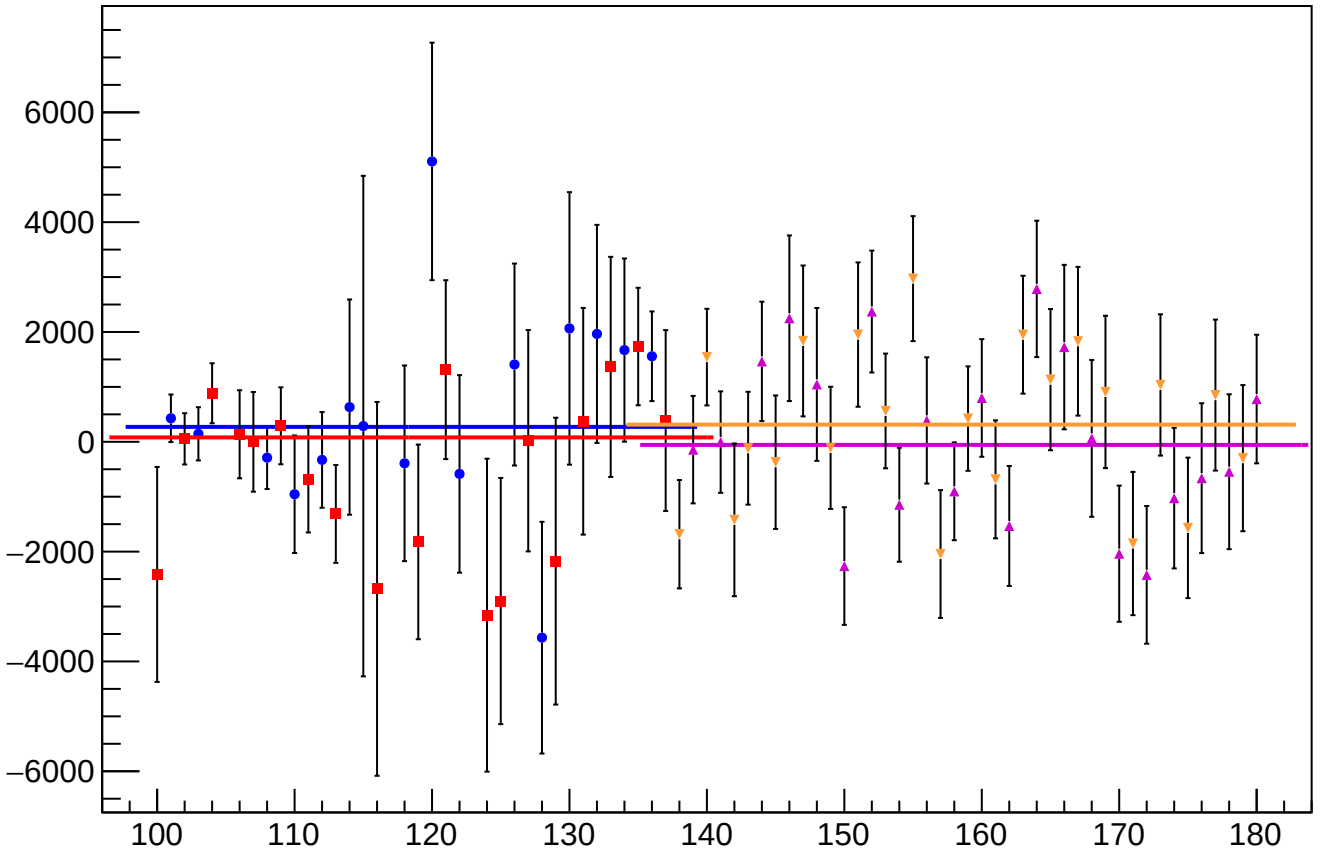
Left: 157.836+/-0.019 χ^2/NDF: 554875.1/42

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 135.295+/-0.020 χ^2/NDF:2504986.6/36

Out: 130.662+/-0.019 χ^2/NDF:2791802.7/40

All: 132.882+/-0.014 χ^2/NDF: 5325076.0/77



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 312.509+/-248.391 χ^2/NDF:31.3/21

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -56.327+/-253.150 χ^2/NDF:32.7/20

Left: 131.590+/-177.297 χ^2/NDF: 65.1/42

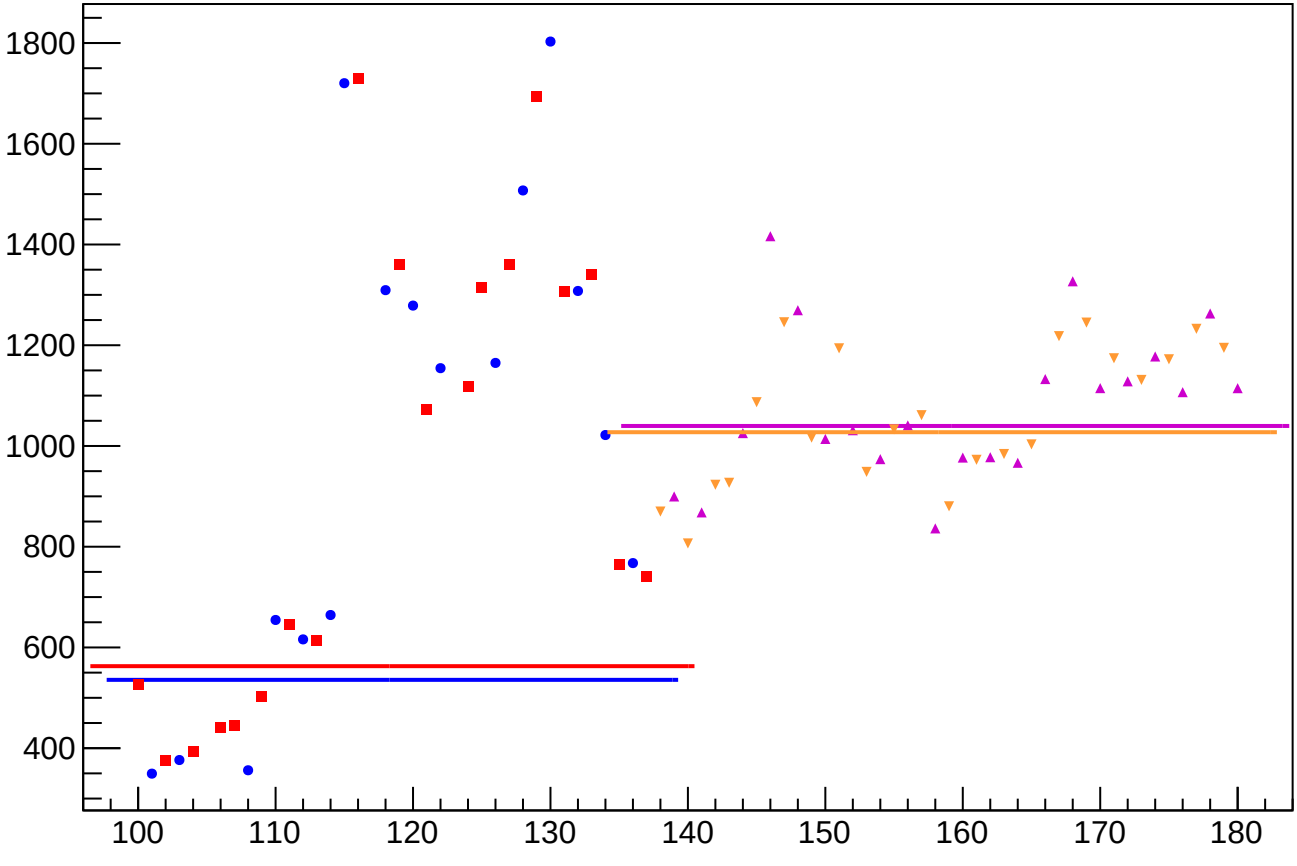
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 122.793+/-170.500 χ^2/NDF:50.1/36

Out: 188.458+/-169.608 χ^2/NDF:47.8/40

All: 155.798+/-120.245 χ^2/NDF: 98.0/77

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594046.4/21

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1039.735+/-0.179 χ^2/NDF:615649.0/20

Left: 1033.415+/-0.125 χ^2/NDF: 1212141.8/42

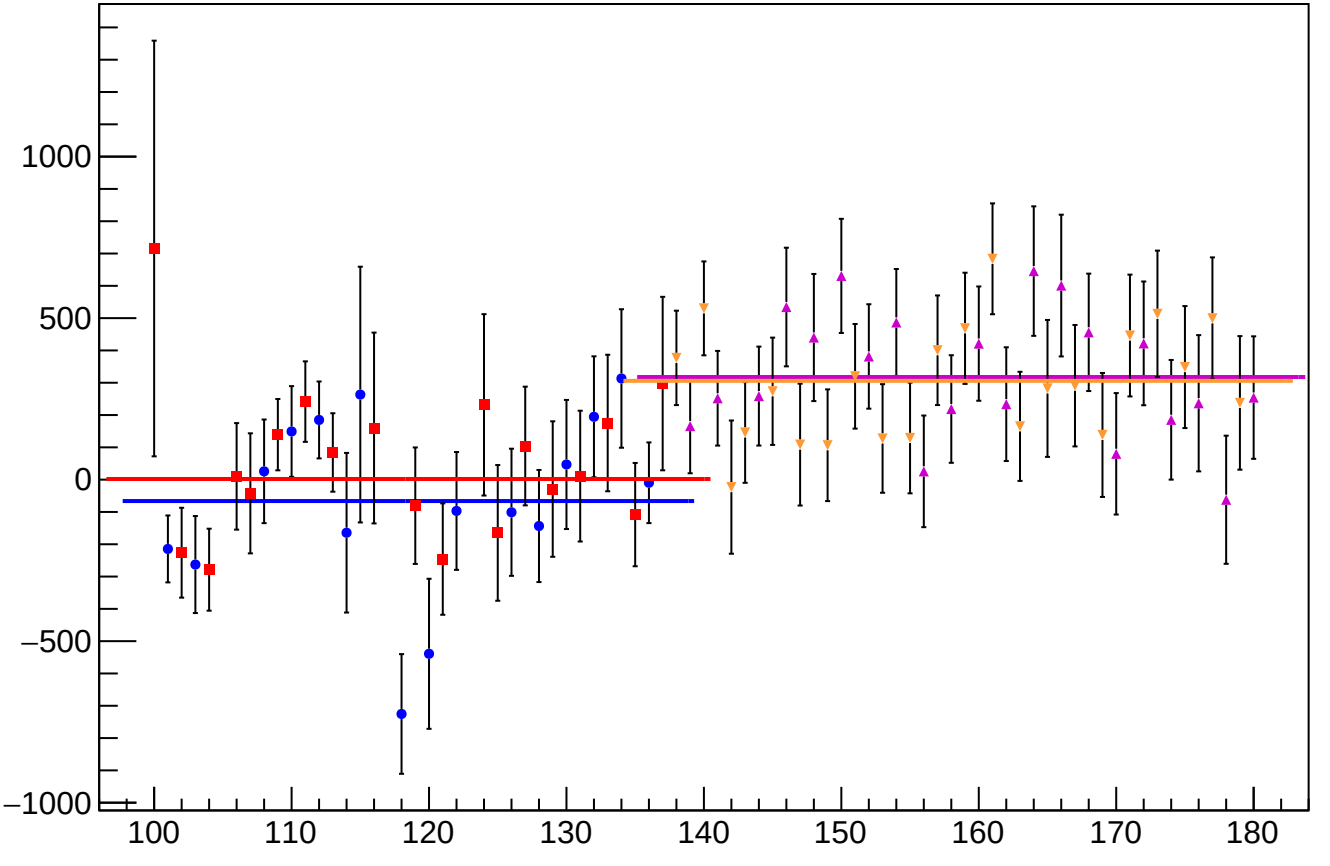
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 764.332+/-0.121 χ^2/NDF:8580349.5/36

Out: 779.412+/-0.120 χ^2/NDF:7437932.6/40

All: 771.911+/-0.085 χ^2/NDF: 16026145.6/77

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 317.724+/-38.679 χ^2/NDF:22.6/20

Left: 311.631+/-26.903 χ^2/NDF: 43.9/42

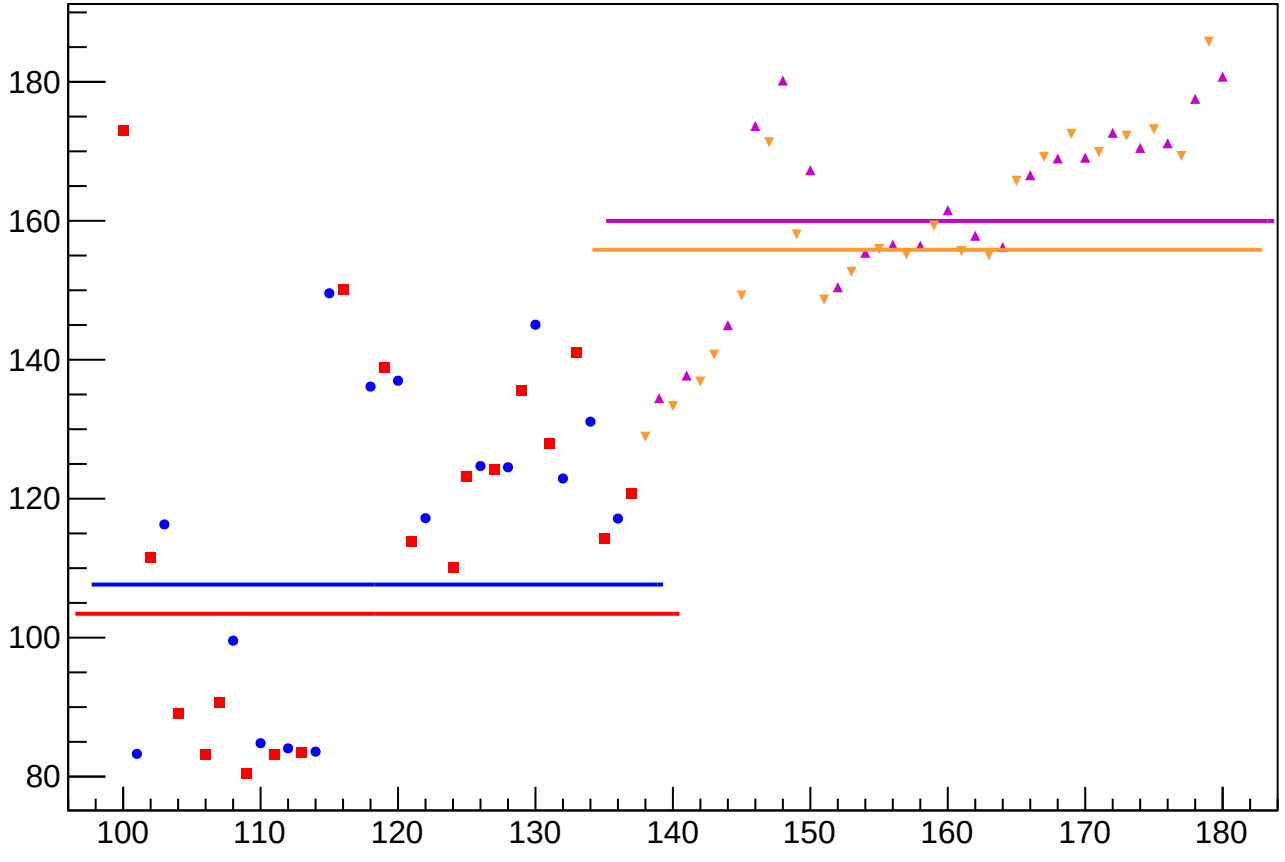
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.616+/-28.115 χ^2/NDF:103.5/36

Out: 159.923+/-26.989 χ^2/NDF:74.1/40

All: 148.745+/-19.470 χ^2/NDF: 177.9/77

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

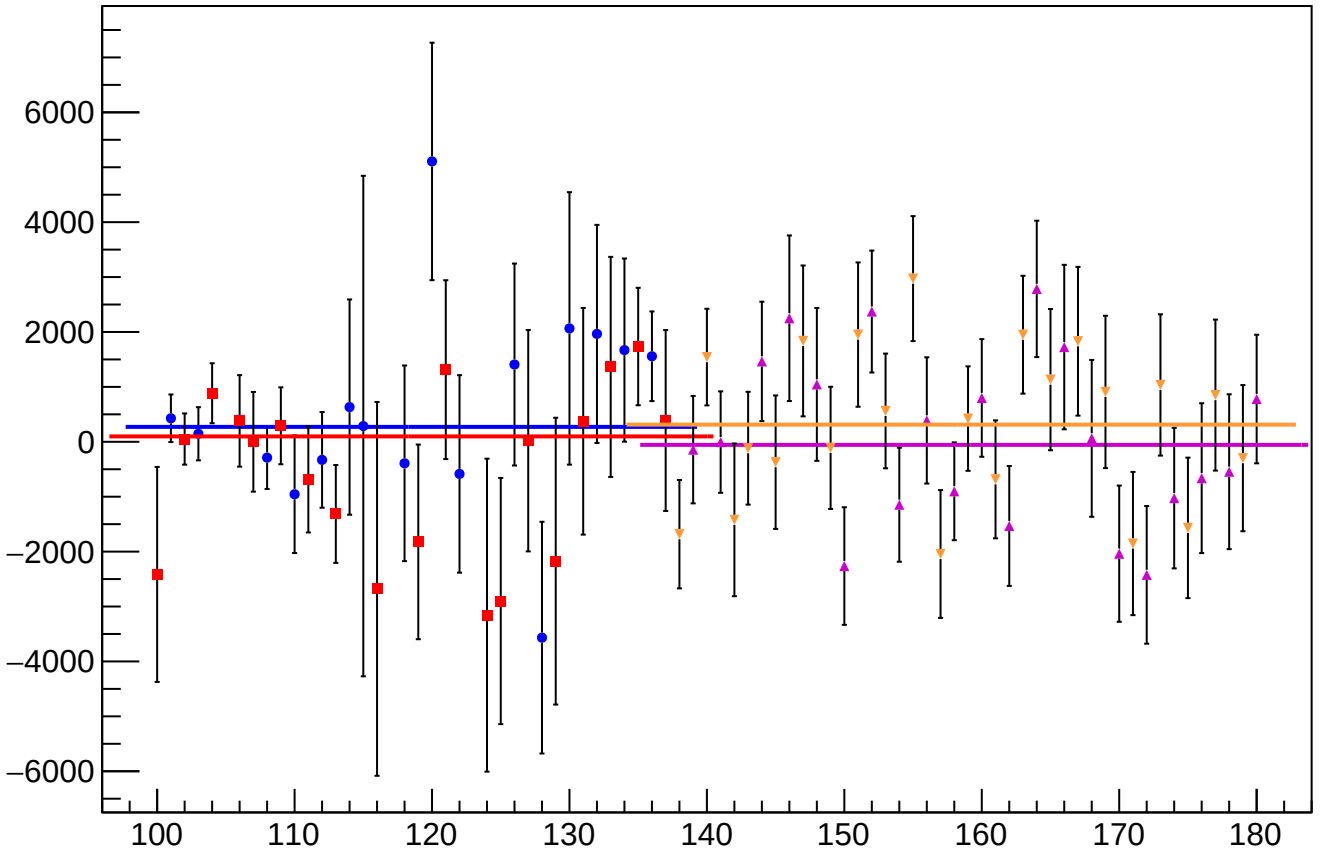
Left: 157.836+/-0.019 χ^2/NDF: 554875.1/42

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 135.295+/-0.020 χ^2/NDF:2504983.7/36

Out: 130.655+/-0.019 χ^2/NDF:2803736.6/40

All: 132.881+/-0.014 χ^2/NDF: 5337066.6/77



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -56.327+/-253.150 χ^2/NDF:32.7/20

Left: 131.593+/-177.298 χ^2/NDF: 65.1/42

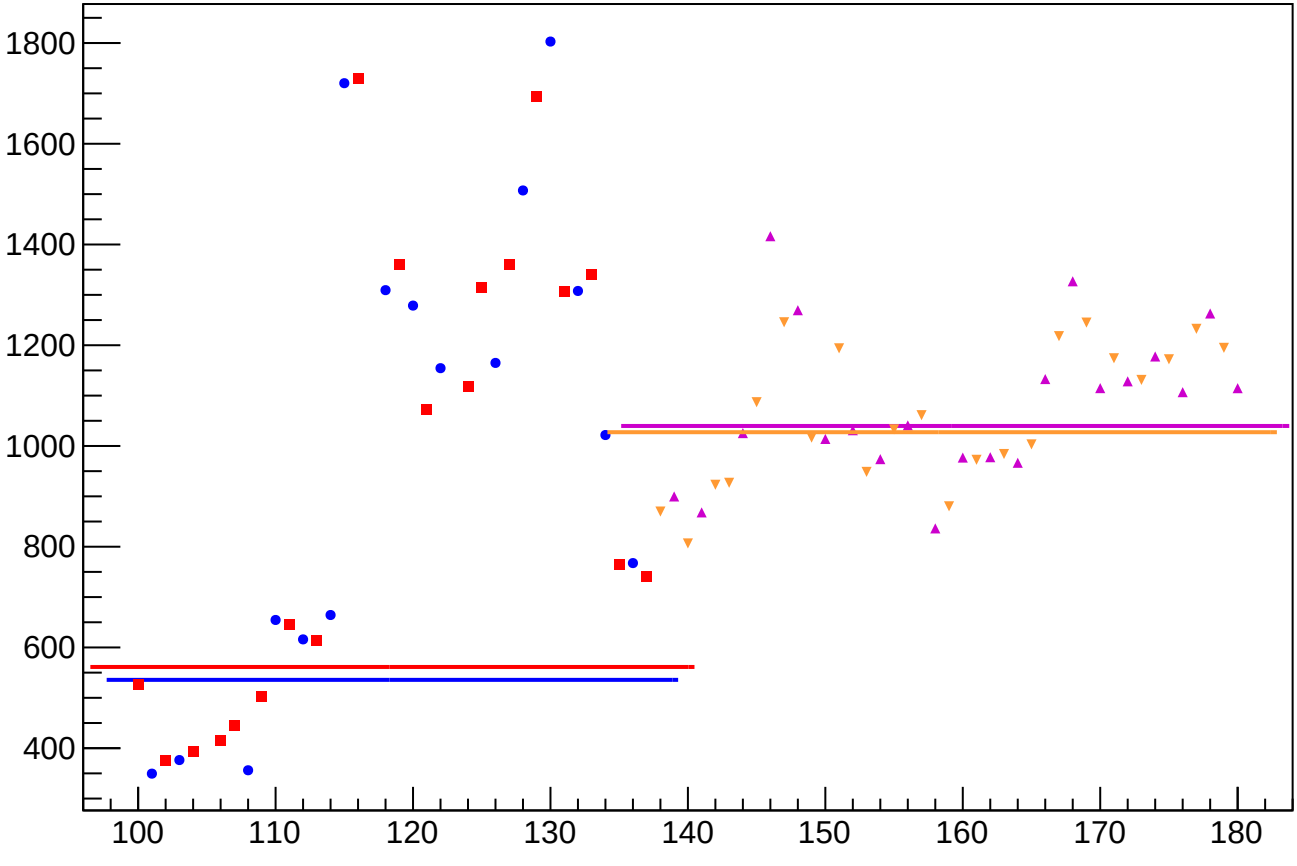
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 122.875+/-170.497 χ^2/NDF:50.1/36

Out: 198.224+/-169.852 χ^2/NDF:47.8/40

All: 160.692+/-120.331 χ^2/NDF: 98.0/77

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

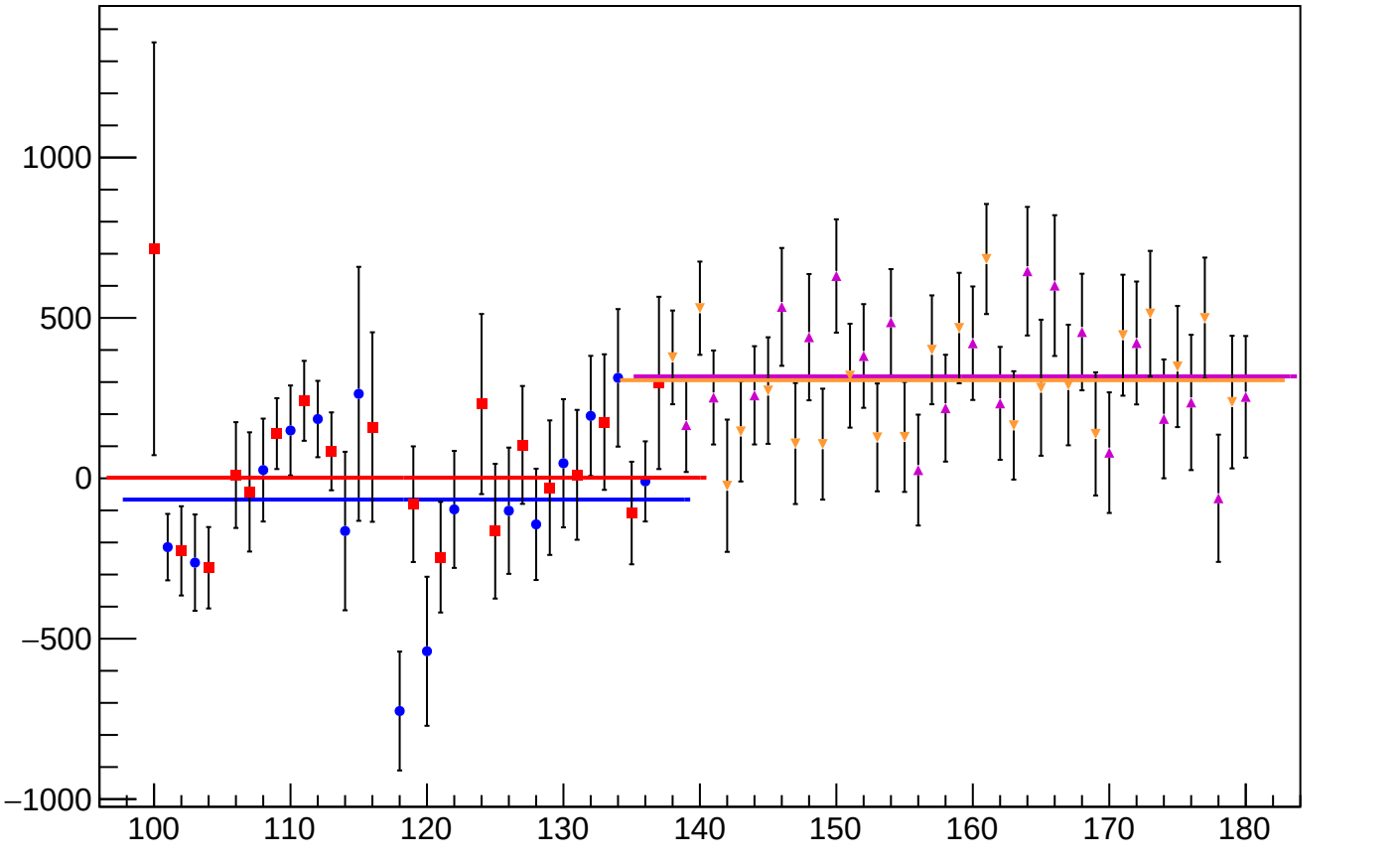
Left: 1033.416+/-0.125 χ^2/NDF: 1212138.2/42

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 764.312+/-0.121 χ^2/NDF:8581043.1/36

Out: 779.196+/-0.120 χ^2/NDF:7473578.1/40

All: 771.783+/-0.085 χ^2/NDF: 16062271.0/77



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 317.724+/-38.679 χ^2/NDF:22.6/20

Left: 311.631+/-26.903 χ^2/NDF: 43.9/42

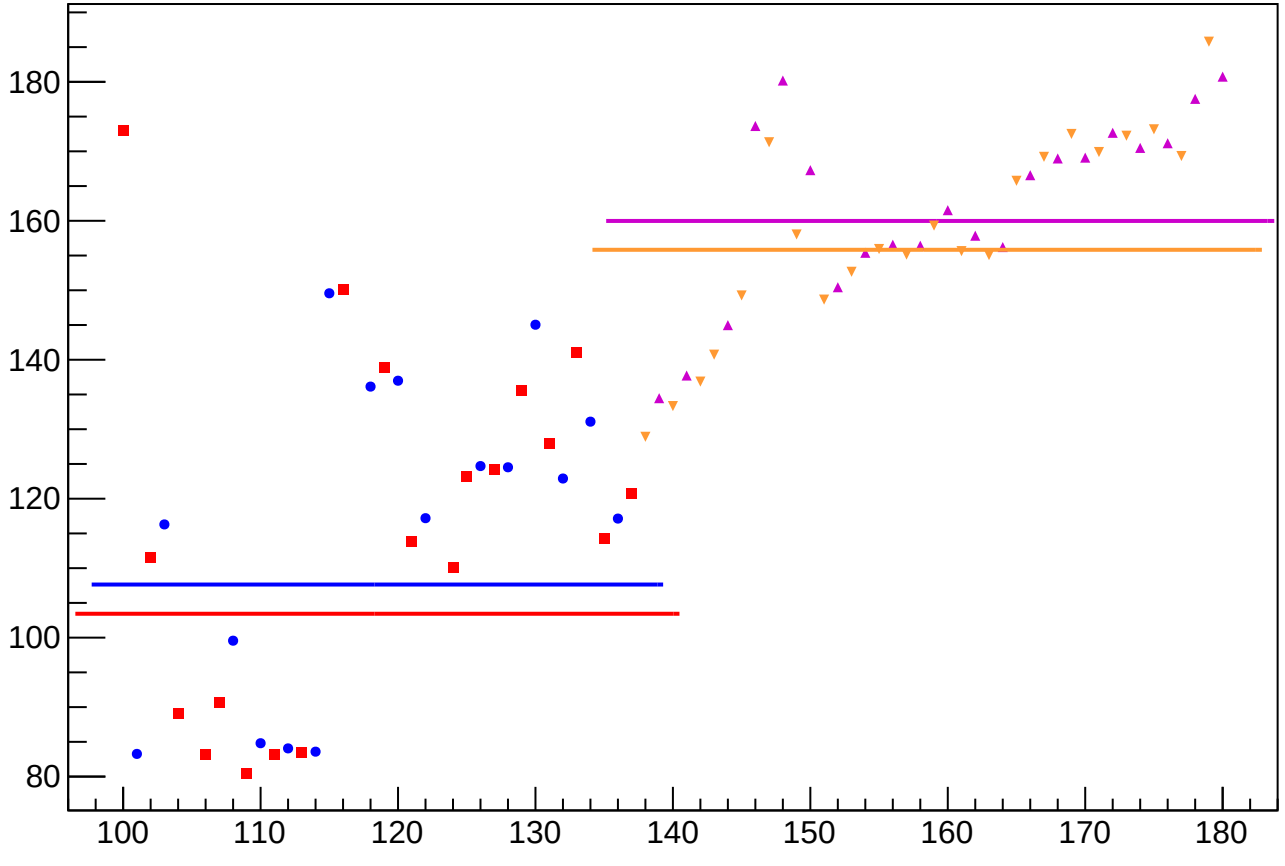
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.616+/-28.115 χ^2/NDF:103.5/36

Out: 159.923+/-26.989 χ^2/NDF:74.1/40

All: 148.745+/-19.470 χ^2/NDF: 177.9/77

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.980+/-0.027 χ^2/NDF:245113.1/20

Left: 157.836+/-0.019 χ^2/NDF: 554875.1/42

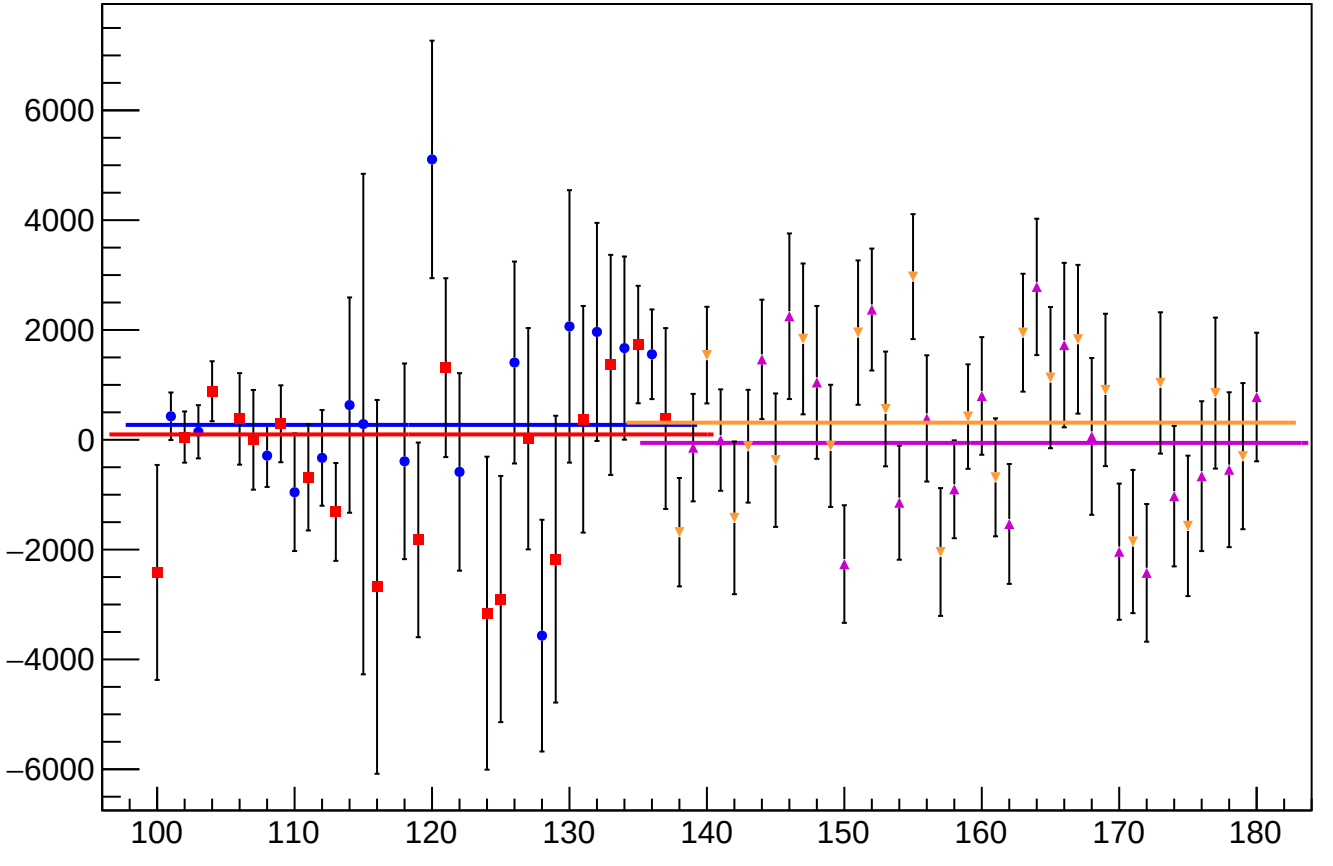
Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 135.295+/-0.020 χ^2/NDF:2504983.7/36

Out: 130.655+/-0.019 χ^2/NDF:2803736.6/40

All: 132.881+/-0.014 χ^2/NDF: 5337066.6/77

asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -56.327+/-253.150 χ^2/NDF:32.7/20

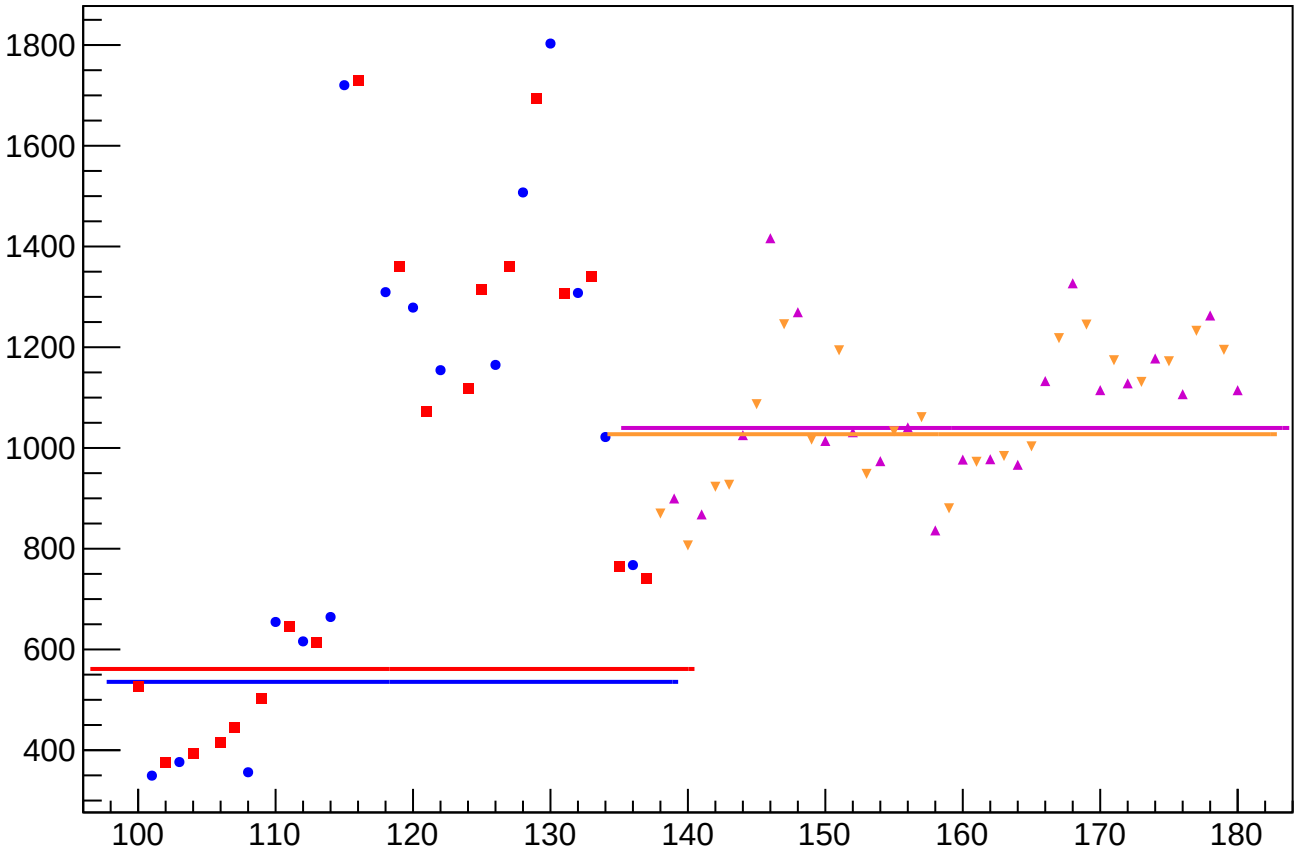
Left: 131.593+/-177.298 χ^2/NDF: 65.1/42

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 122.875+/-170.497 χ^2/NDF:50.1/36

Out: 198.224+/-169.852 χ^2/NDF:47.8/40

All: 160.692+/-120.331 χ^2/NDF: 98.0/77



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1039.735+/-0.179 χ^2/NDF:615646.4/20

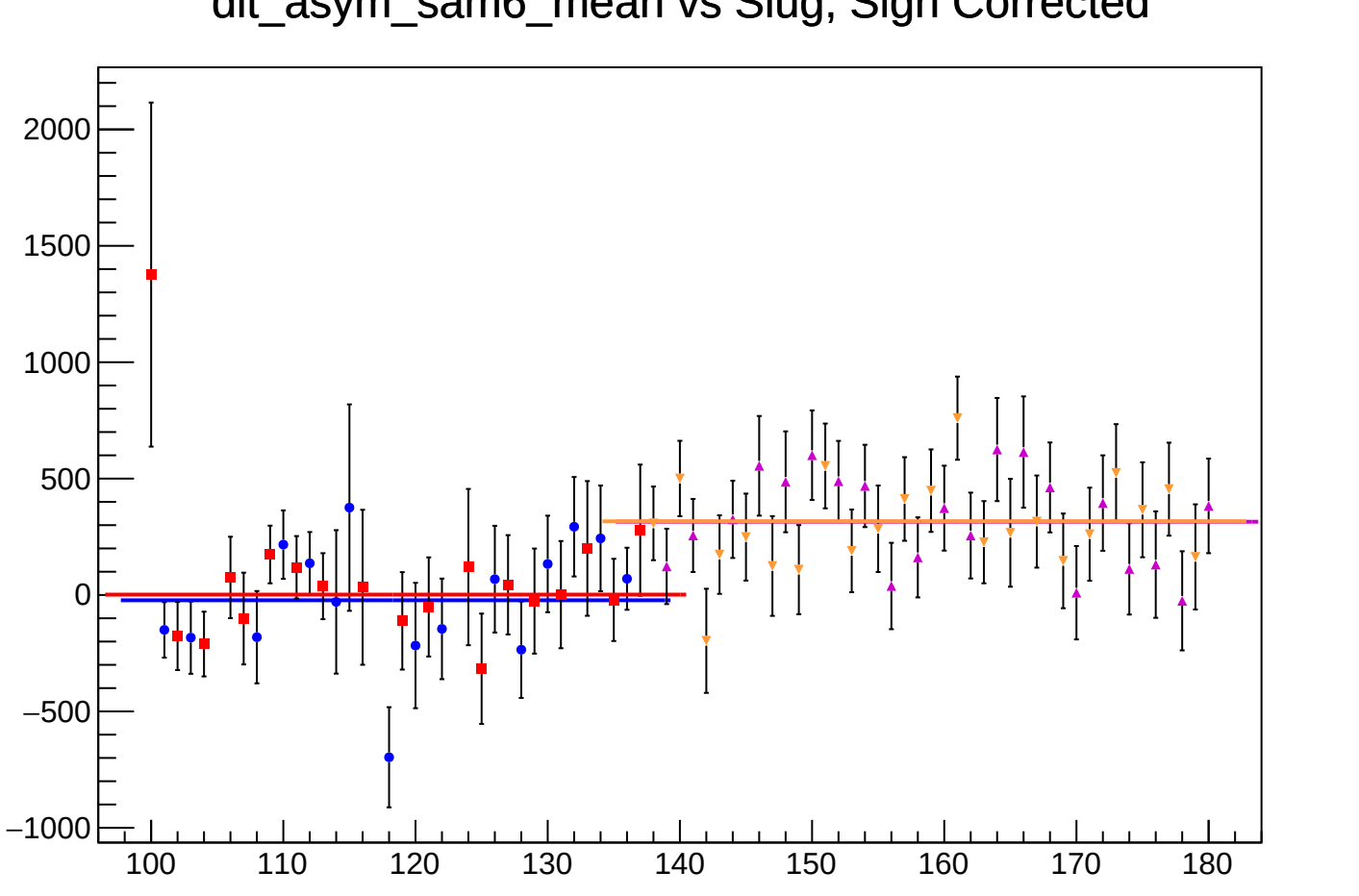
Left: 1033.416+/-0.125 χ^2/NDF: 1212138.2/42

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

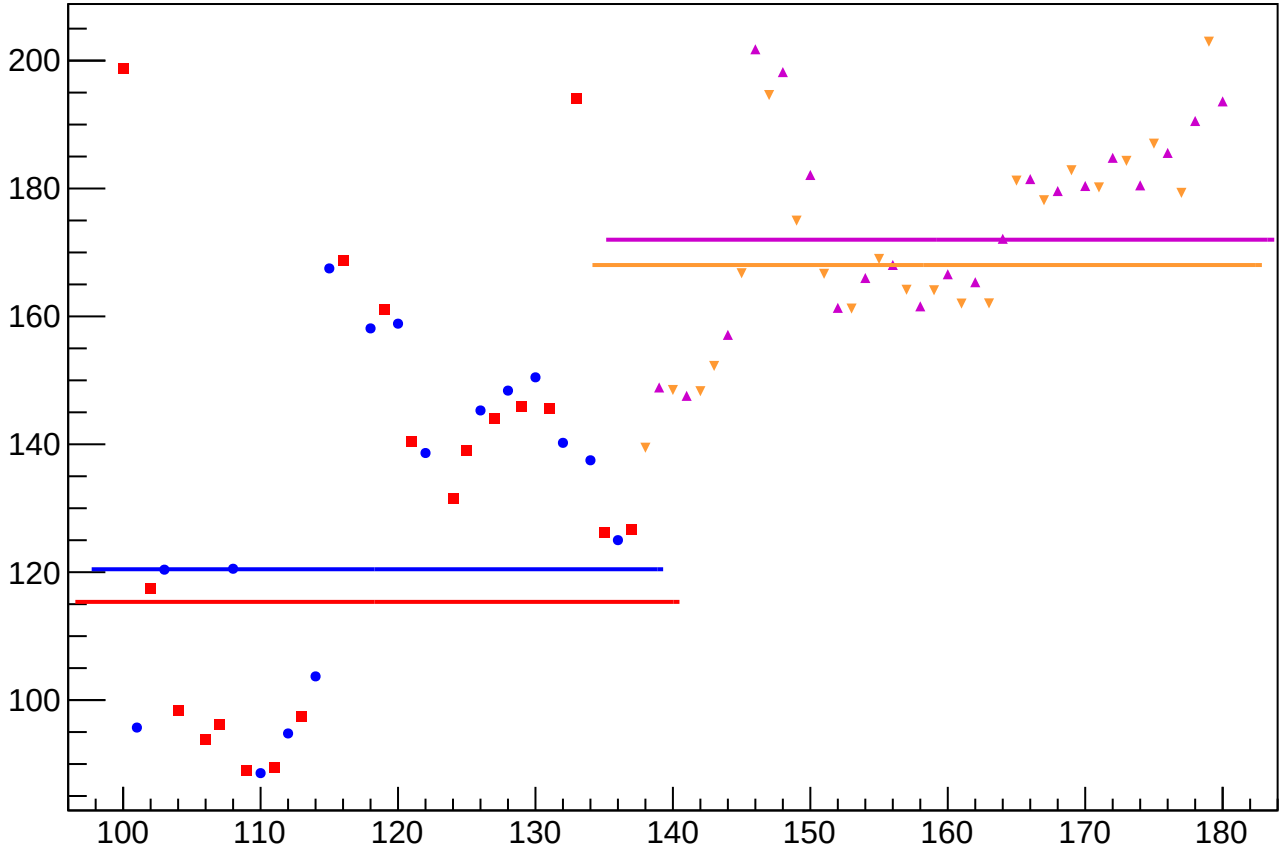
In: 764.312+/-0.121 χ^2/NDF:8581043.1/36

Out: 779.196+/-0.120 χ^2/NDF:7473578.1/40

All: 771.783+/-0.085 χ^2/NDF: 16062271.0/7


dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -22.678+/-45.908 χ²/NDF: 24.2/15
Left Out: 316.458+/-40.395 χ²/NDF:21.7/21
Right Out: 1.600+/-43.563 χ²/NDF: 14.3/18
Left In: 314.722+/-41.615 χ²/NDF:21.6/20
Left: 315.616+/-28.985 χ²/NDF: 43.3/42
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 162.532+/-30.833 χ²/NDF:75.4/36
Out: 170.894+/-29.620 χ²/NDF:64.1/40
All: 166.881+/-21.360 χ²/NDF: 139.5/77

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 168.032+/-0.029 χ^2/NDF:283876.1/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 171.994+/-0.029 χ^2/NDF:267378.2/20

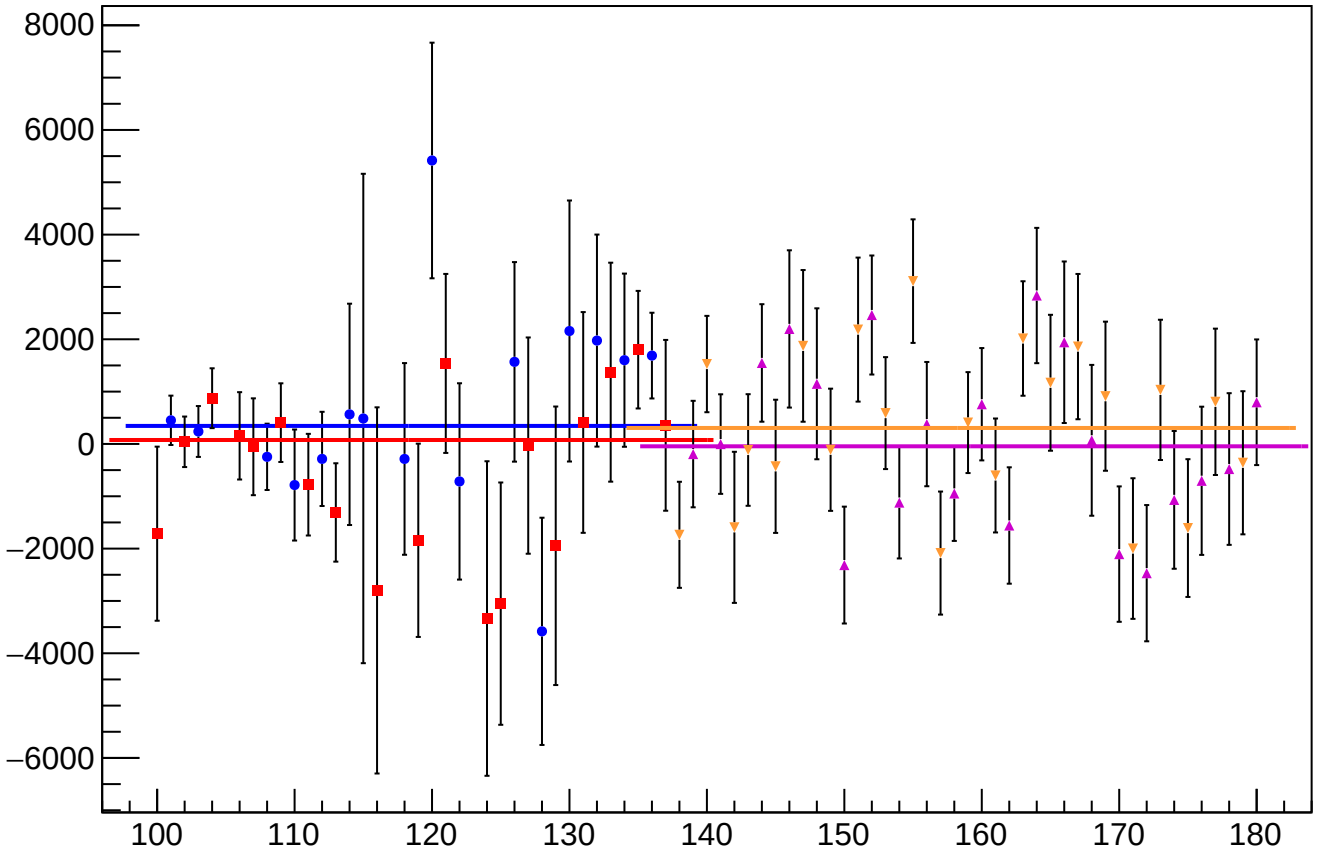
Left: 169.954+/-0.020 χ^2/NDF: 560587.0/42

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 148.748+/-0.022 χ^2/NDF:2181224.2/36

Out: 143.680+/-0.021 χ^2/NDF:2623408.4/40

All: 146.112+/-0.015 χ^2/NDF: 4832737.7/77



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 305.365+/-255.849 χ^2/NDF:31.8/21

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -45.114+/-260.149 χ^2/NDF:32.5/20

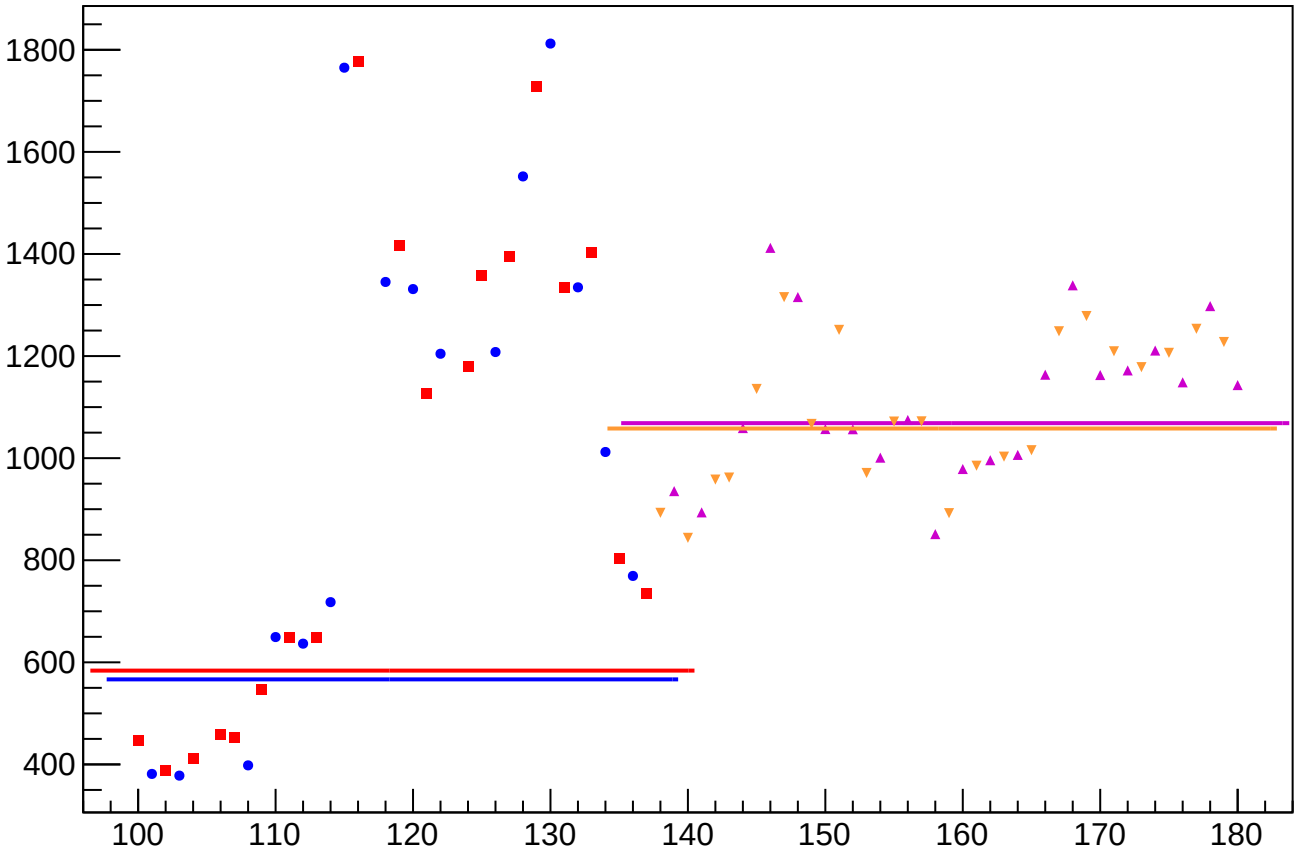
Left: 133.046+/-182.414 χ^2/NDF: 65.3/42

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 164.098+/-177.005 χ^2/NDF:50.0/36

Out: 183.286+/-175.226 χ^2/NDF:47.5/40

All: 173.789+/-124.528 χ^2/NDF: 97.5/77



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608524.2/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1068.593+/-0.184 χ^2/NDF:604188.4/20

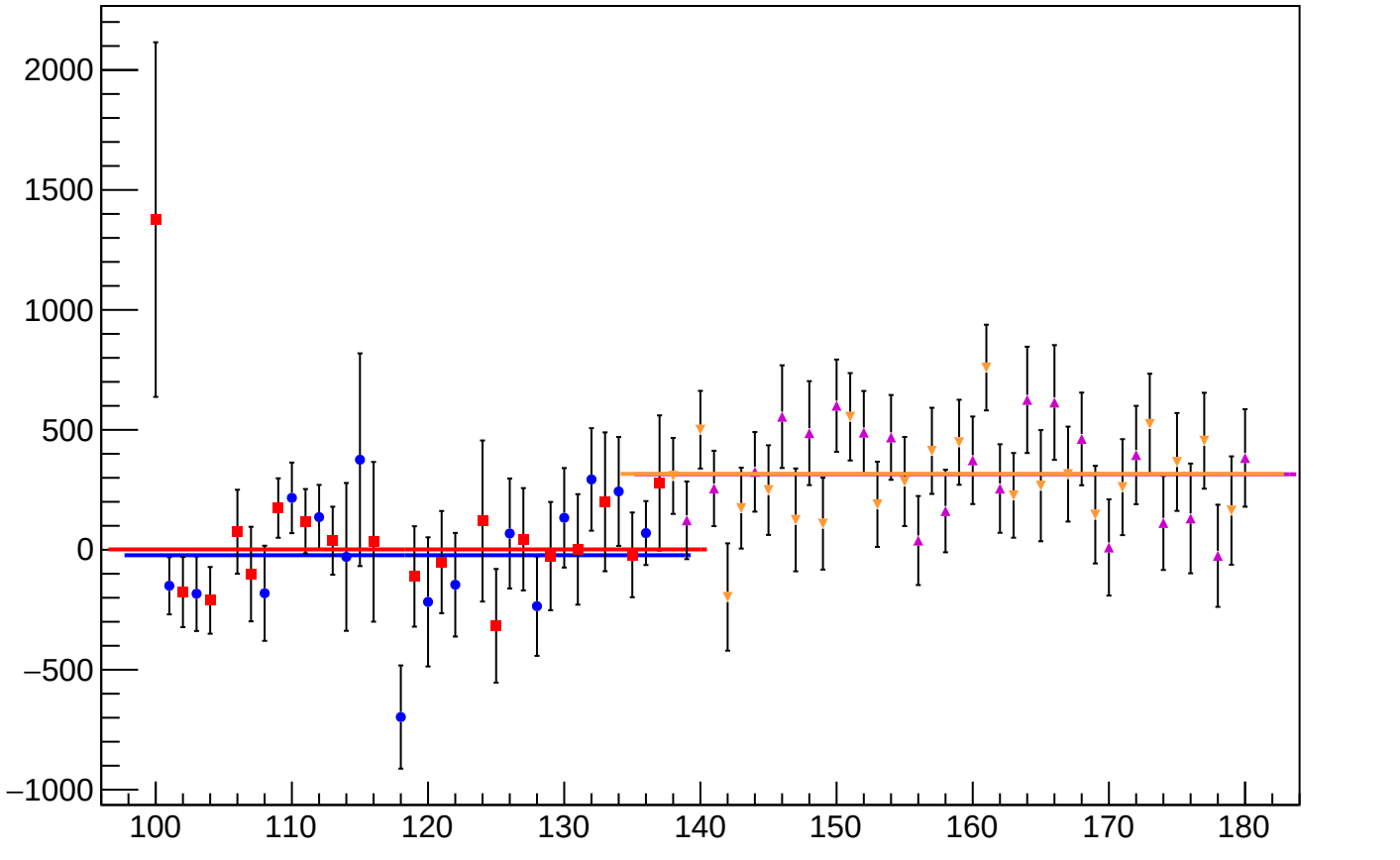
Left: 1063.249+/-0.129 χ^2/NDF: 1214372.9/42

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 798.995+/-0.125 χ^2/NDF:8036052.6/36

Out: 806.264+/-0.124 χ^2/NDF:7365146.5/40

All: 802.666+/-0.088 χ^2/NDF: 15402902.6/77



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.459+/-40.395 χ^2/NDF:21.7/21

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 314.722+/-41.615 χ^2/NDF:21.6/20

Left: 315.617+/-28.985 χ^2/NDF: 43.3/42

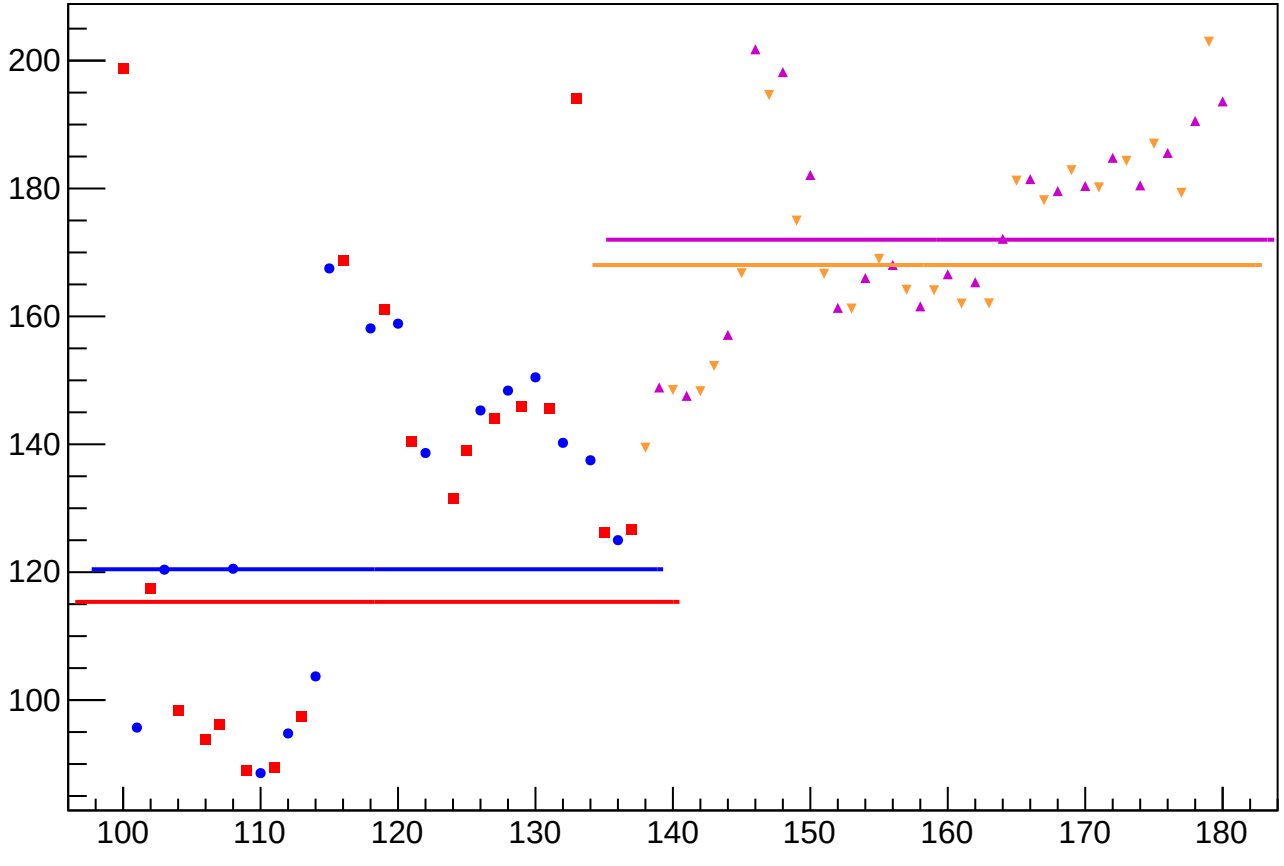
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 162.532+/-30.833 χ^2/NDF:75.4/36

Out: 170.895+/-29.620 χ^2/NDF:64.1/40

All: 166.881+/-21.360 χ^2/NDF: 139.5/77

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 168.032+/-0.029 χ^2/NDF:283875.8/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 171.994+/-0.029 χ^2/NDF:267377.8/20

Left: 169.954+/-0.020 χ^2/NDF: 560586.4/42

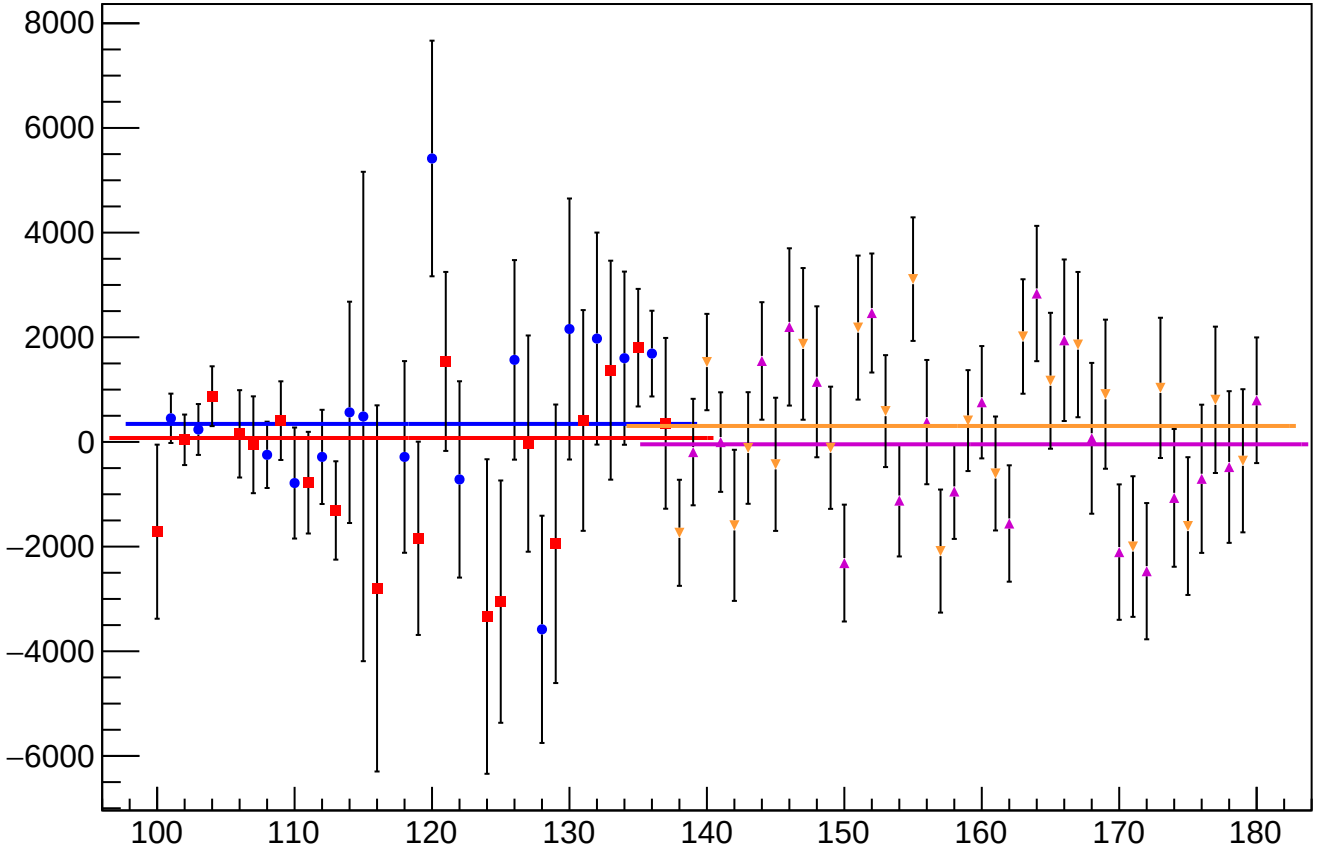
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 148.748+/-0.022 χ^2/NDF:2181235.3/36

Out: 143.679+/-0.021 χ^2/NDF:2623411.2/40

All: 146.112+/-0.015 χ^2/NDF: 4832751.2/77

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 305.367+/-255.849 χ^2/NDF:31.8/21

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -45.114+/-260.149 χ^2/NDF:32.5/20

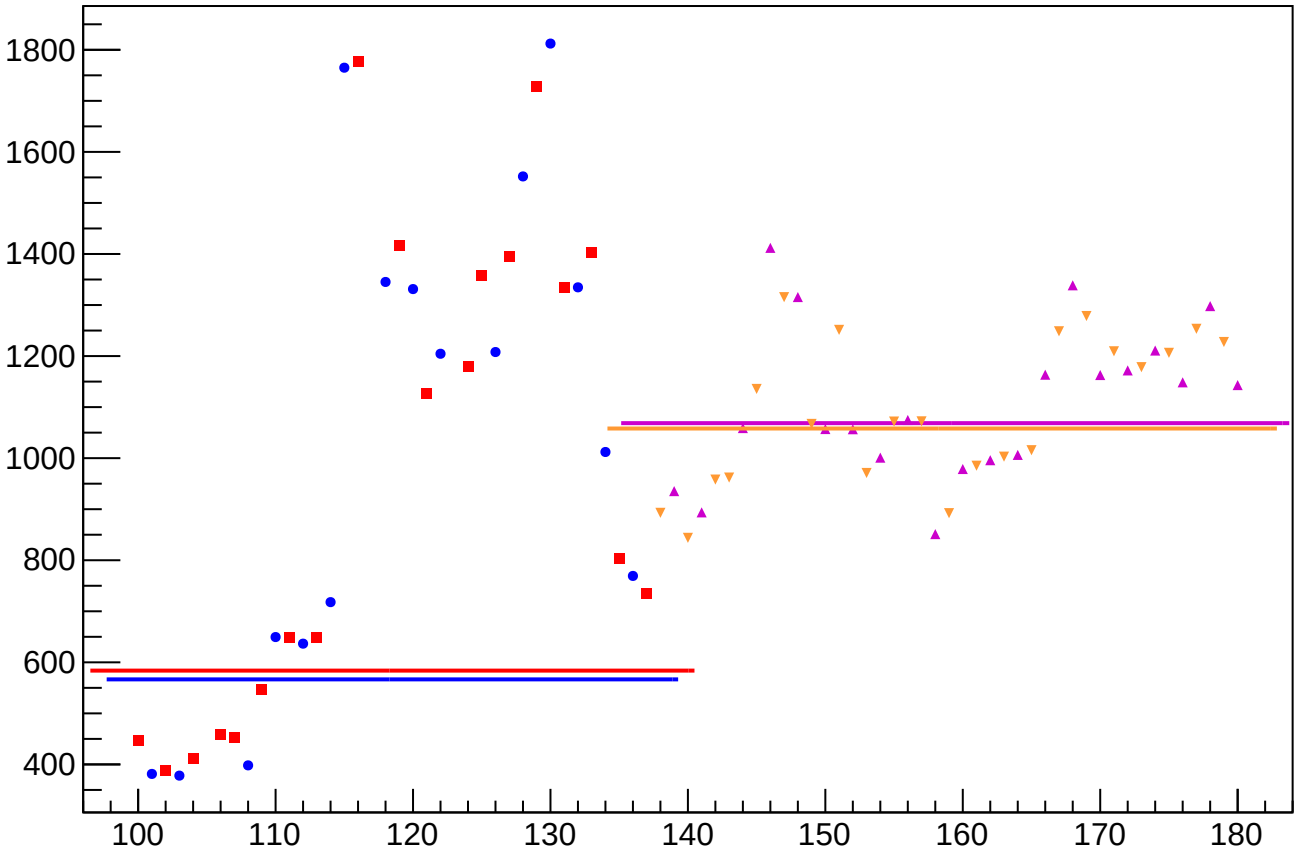
Left: 133.047+/-182.414 χ^2/NDF: 65.3/42

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 164.097+/-177.005 χ^2/NDF:50.0/36

Out: 183.287+/-175.226 χ^2/NDF:47.5/40

All: 173.789+/-124.528 χ^2/NDF: 97.5/77



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608529.3/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1068.593+/-0.184 χ^2/NDF:604192.3/20

Left: 1063.249+/-0.129 χ^2/NDF: 1214381.8/42

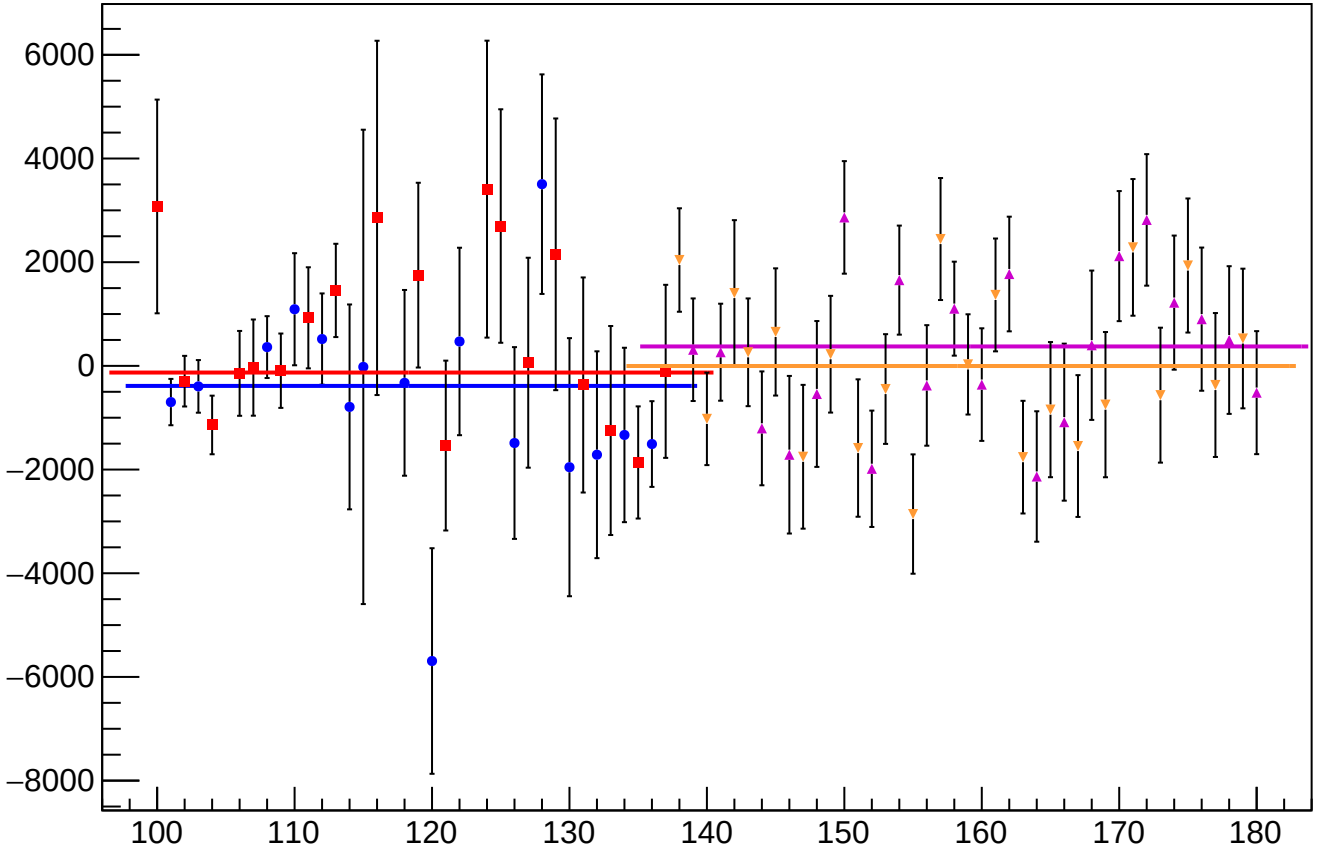
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 798.994+/-0.125 χ^2/NDF:8036075.4/36

Out: 806.264+/-0.124 χ^2/NDF:7365163.8/40

All: 802.666+/-0.088 χ^2/NDF: 15402942.8/77

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -2.647+/-251.313 χ^2/NDF:32.4/21

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 374.712+/-256.220 χ^2/NDF:30.4/20

Left: 182.385+/-179.415 χ^2/NDF: 63.9/42

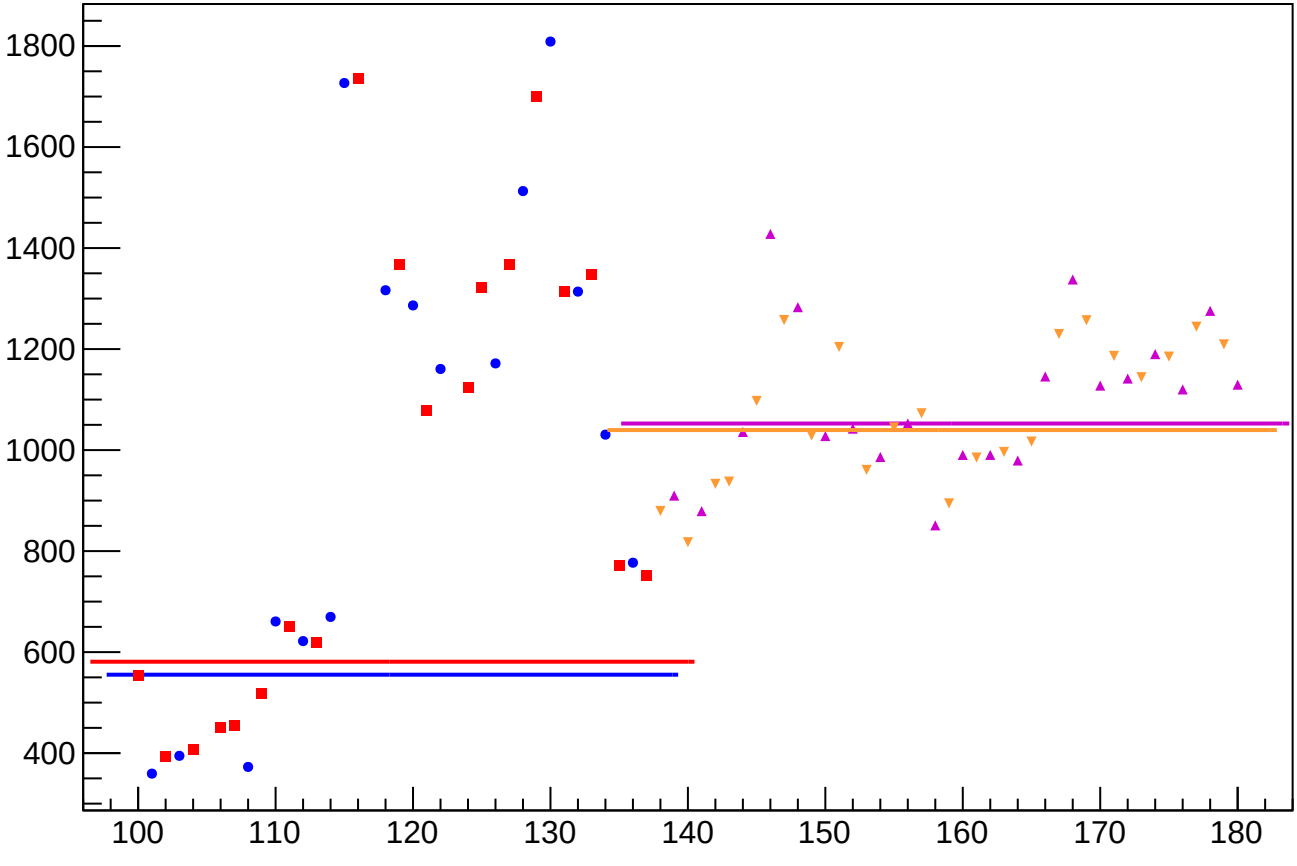
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -34.687+/-174.190 χ^2/NDF:53.1/36

Out: -68.975+/-172.898 χ^2/NDF:52.0/40

All: -51.959+/-122.712 χ^2/NDF: 105.0/77

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1039.670+/-0.178 χ^2/NDF:582808.8/21

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1052.634+/-0.181 χ^2/NDF:602138.7/20

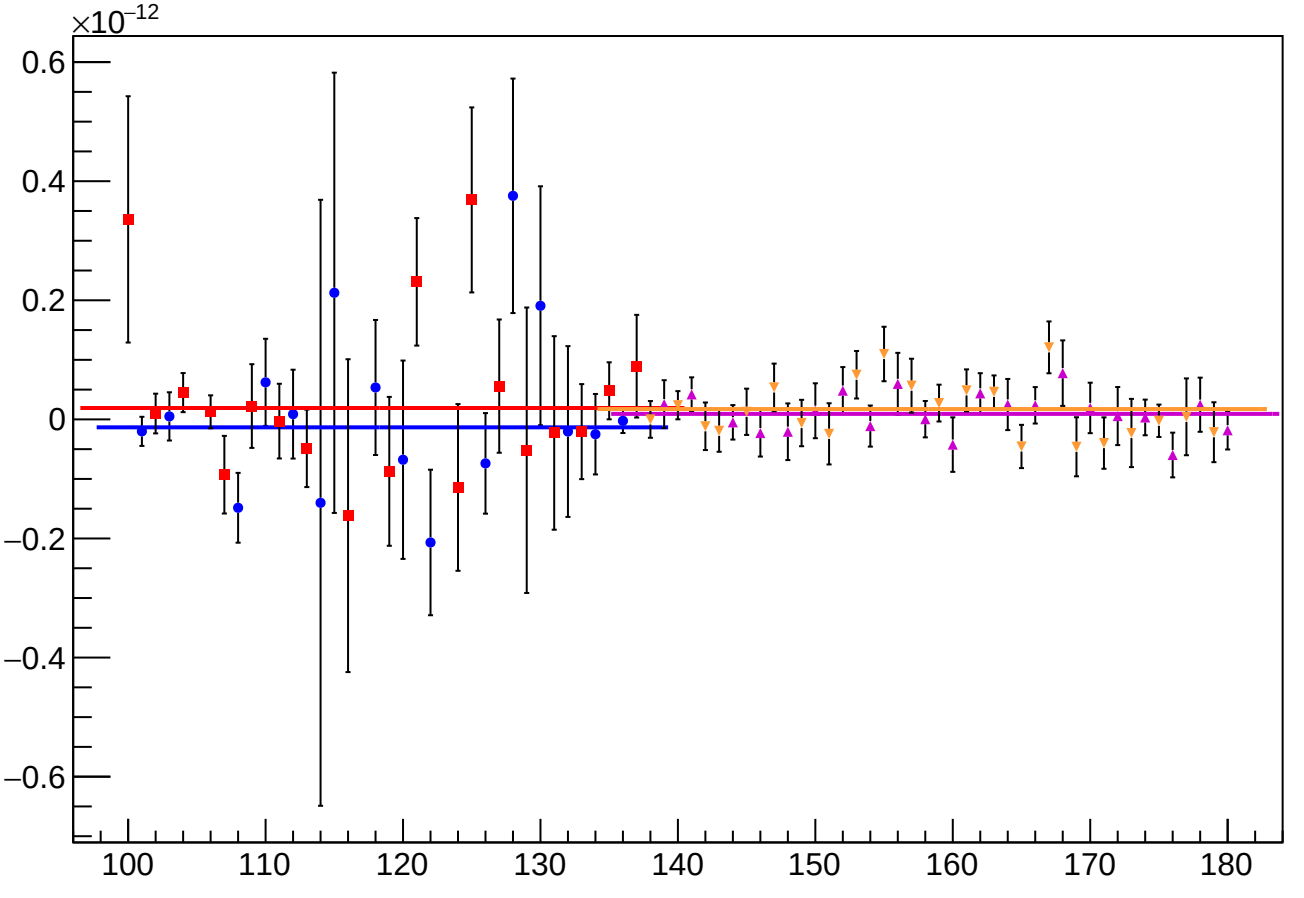
Left: 1046.027+/-0.127 χ^2/NDF: 1187556.8/42

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 785.158+/-0.123 χ^2/NDF:8137356.9/36

Out: 798.094+/-0.122 χ^2/NDF:7075168.9/40

All: 791.674+/-0.087 χ^2/NDF: 15218081.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/20

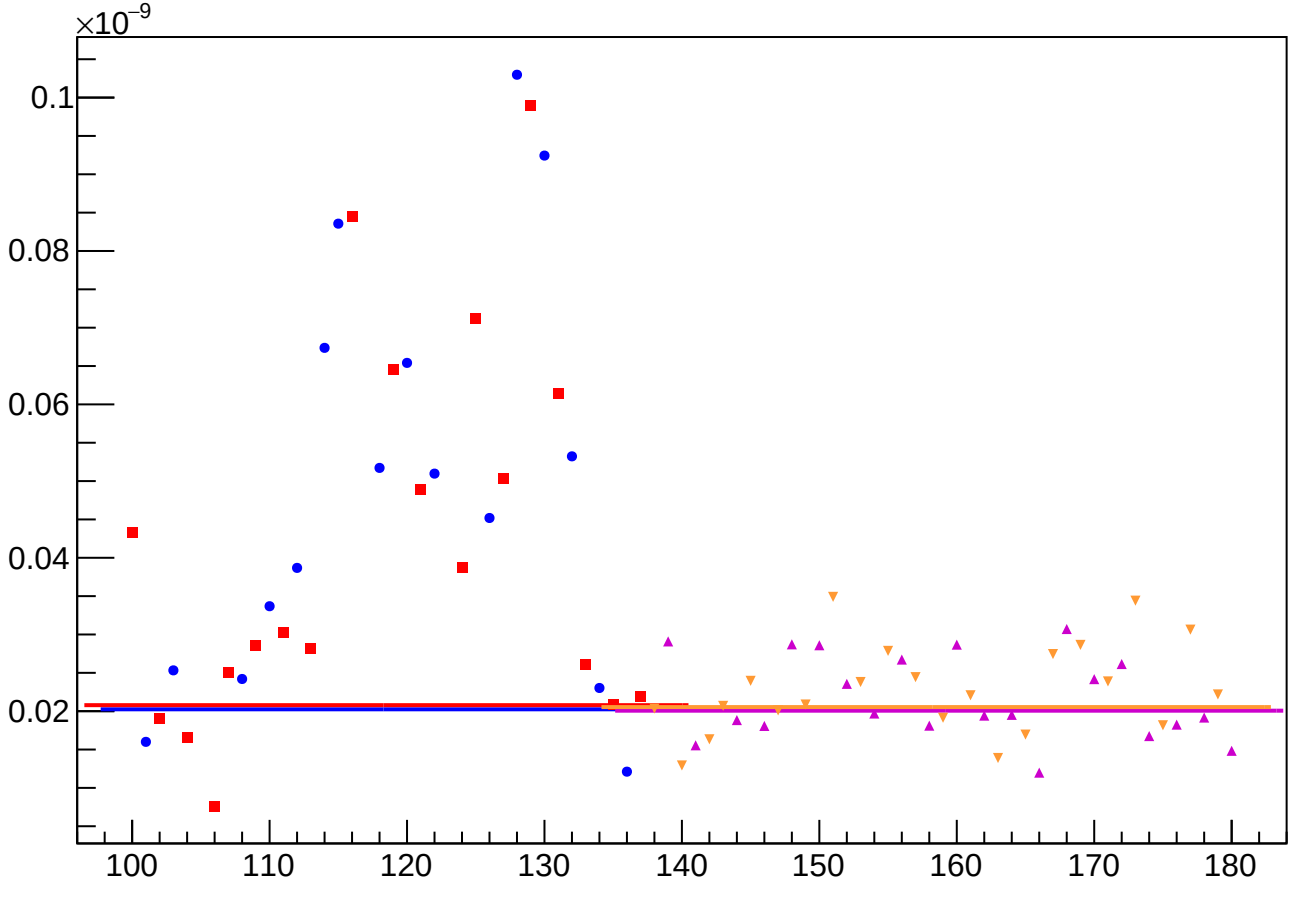
Left: 0.000+/-0.000 χ^2/NDF: 40.7/42

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:31.8/36

Out: 0.000+/-0.000 χ^2/NDF:46.4/40

All: 0.000+/-0.000 χ^2/NDF: 80.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:923418.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:769462.1/20

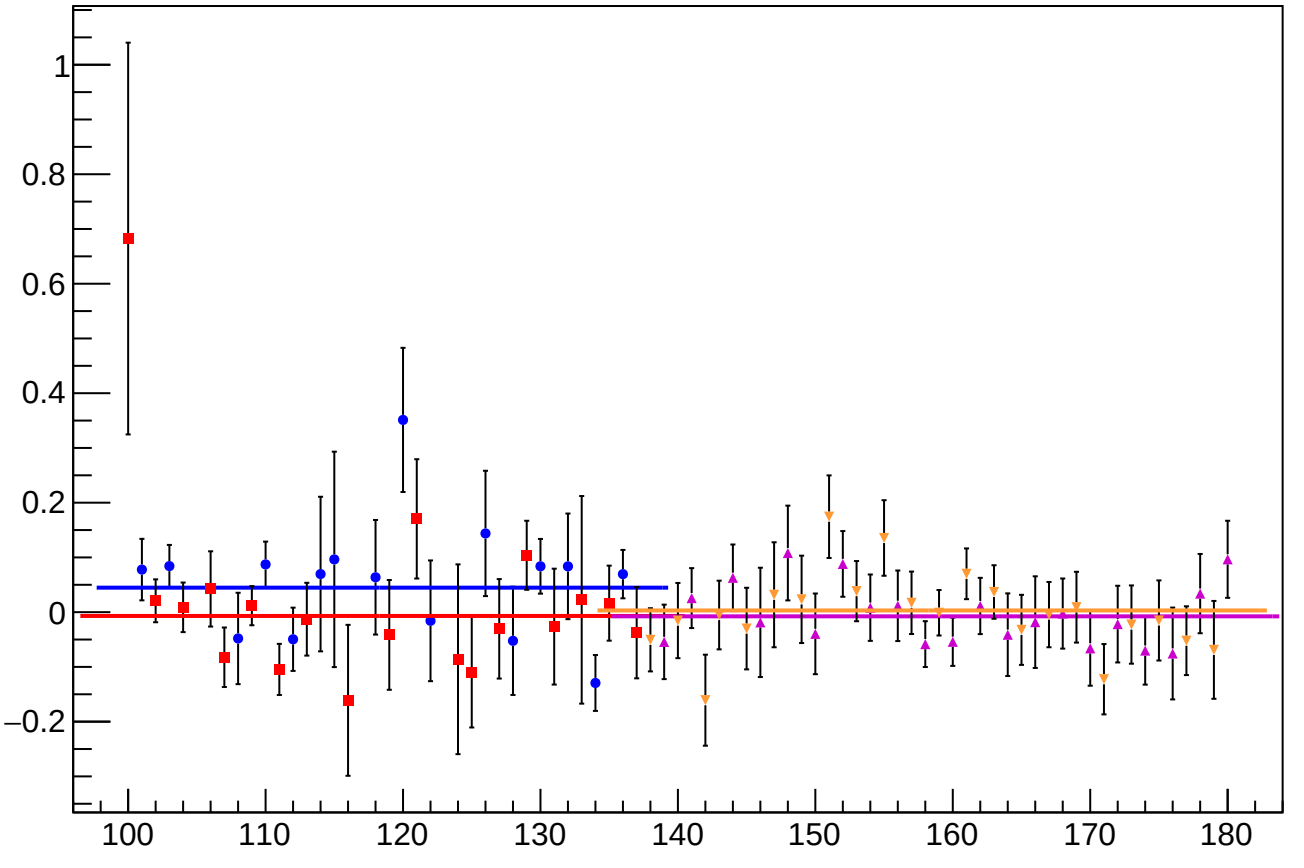
Left: 0.000+/-0.000 χ^2/NDF: 1696269.1/42

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2774415.6/36

Out: 0.000+/-0.000 χ^2/NDF:2779800.0/40

All: 0.000+/-0.000 χ^2/NDF: 5559054.6/77



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/20

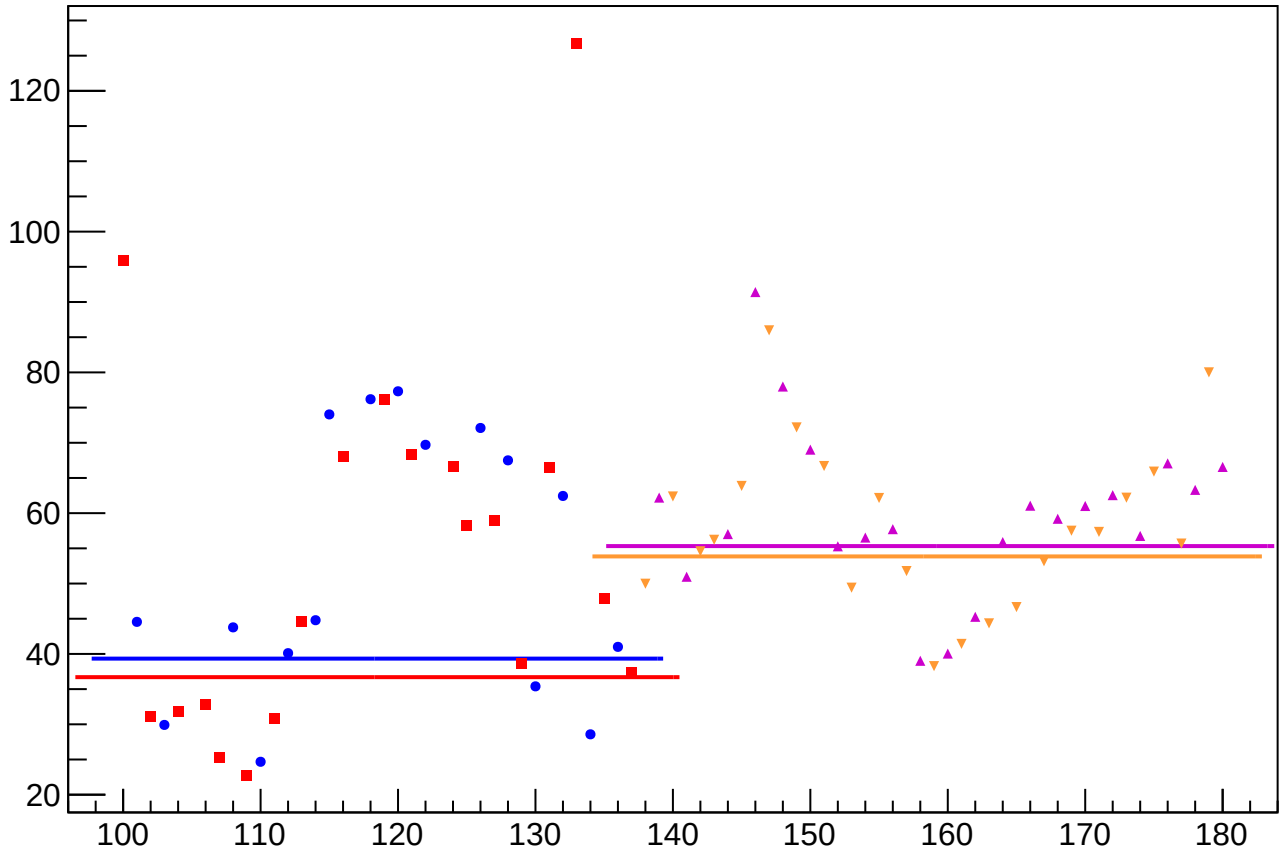
Left: -0.002+/-0.010 χ^2/NDF: 37.9/42

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.015+/-0.010 χ^2/NDF:47.5/36

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.006+/-0.007 χ^2/NDF: 92.0/77



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

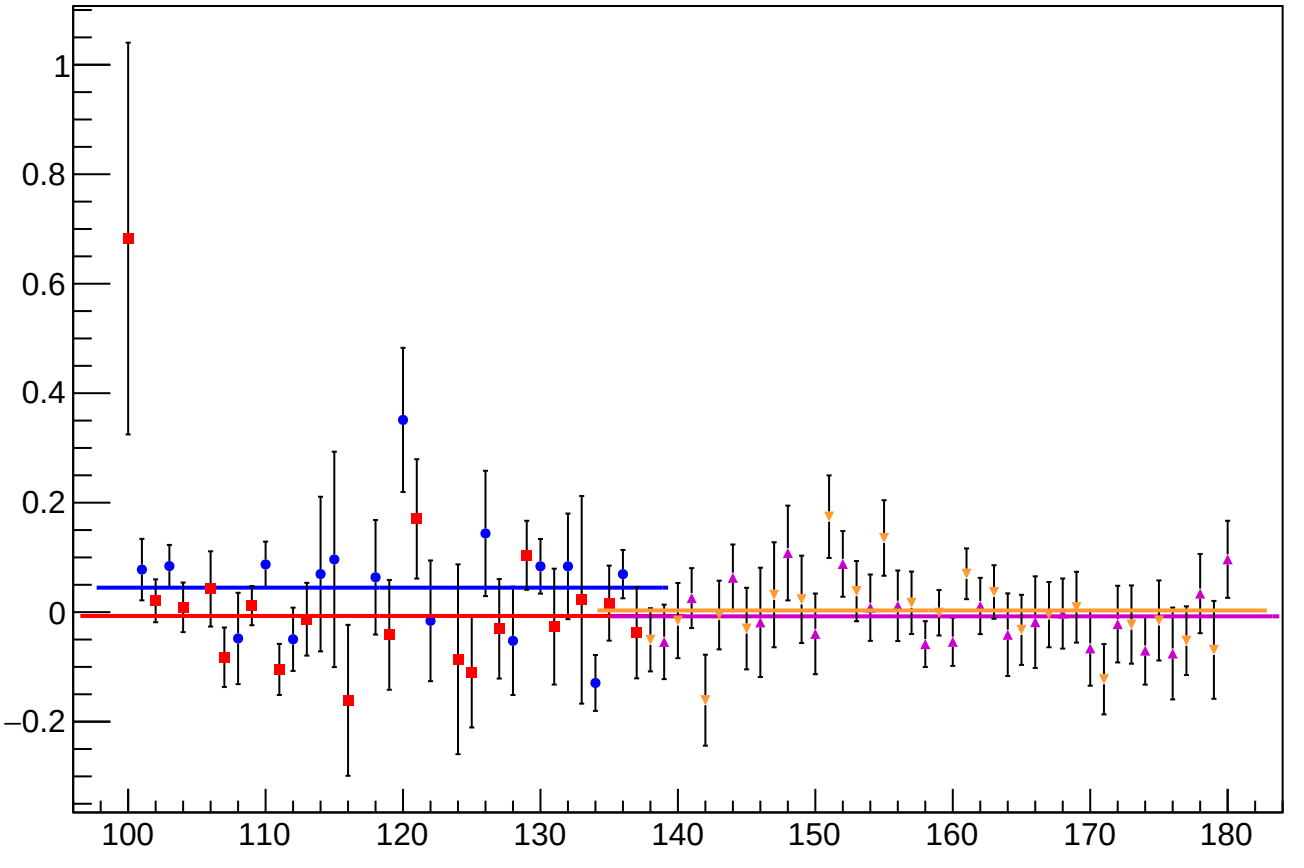
Left: 54.564+/-0.007 χ^2/NDF: 2610252.7/42

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.524+/-0.007 χ^2/NDF:4004633.0/36

Out: 46.335+/-0.007 χ^2/NDF:4849632.9/40

All: 47.382+/-0.005 χ^2/NDF: 8900063.4/77



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/20

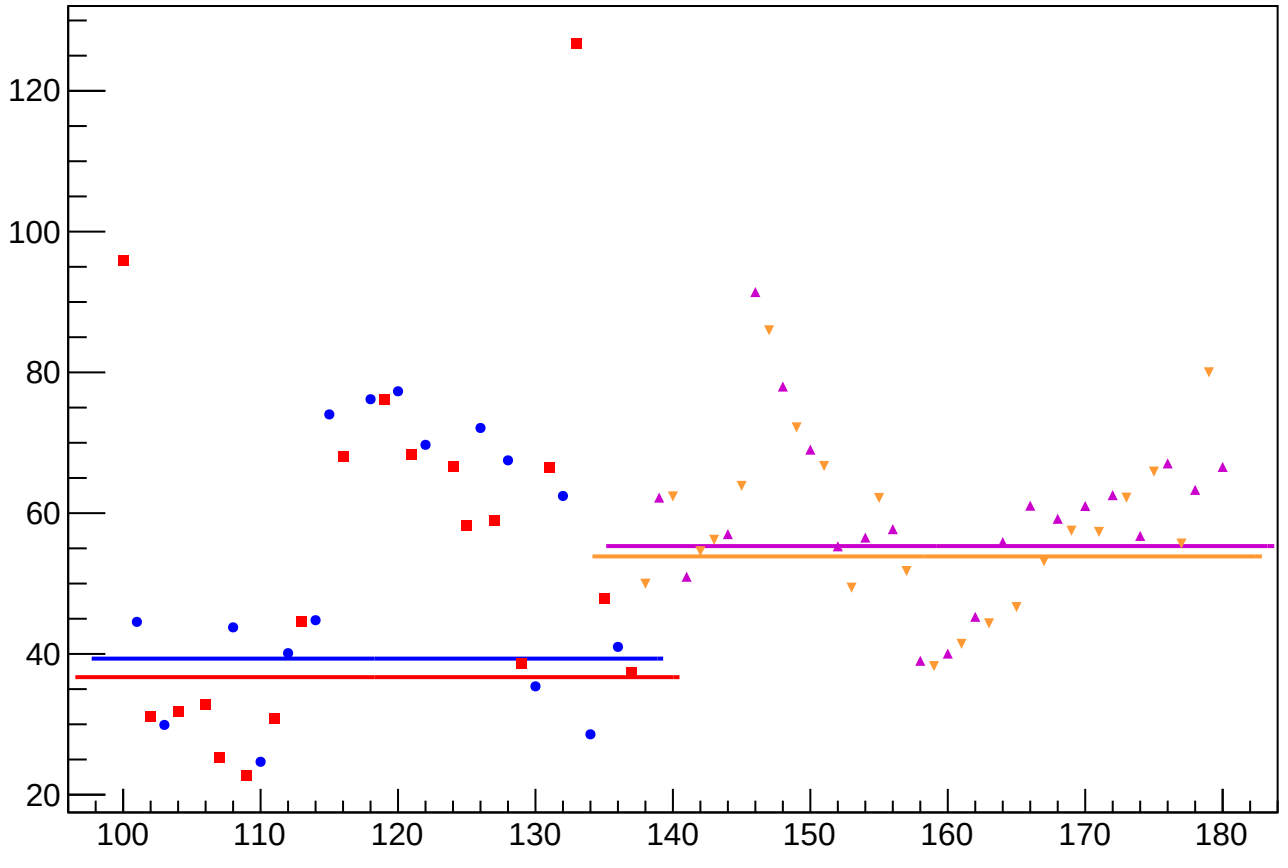
Left: -0.002+/-0.010 χ^2/NDF: 37.9/42

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.015+/-0.010 χ^2/NDF:47.5/36

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.006+/-0.007 χ^2/NDF: 92.0/77



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.322+/-0.010 χ^2/NDF:1293426.1/20

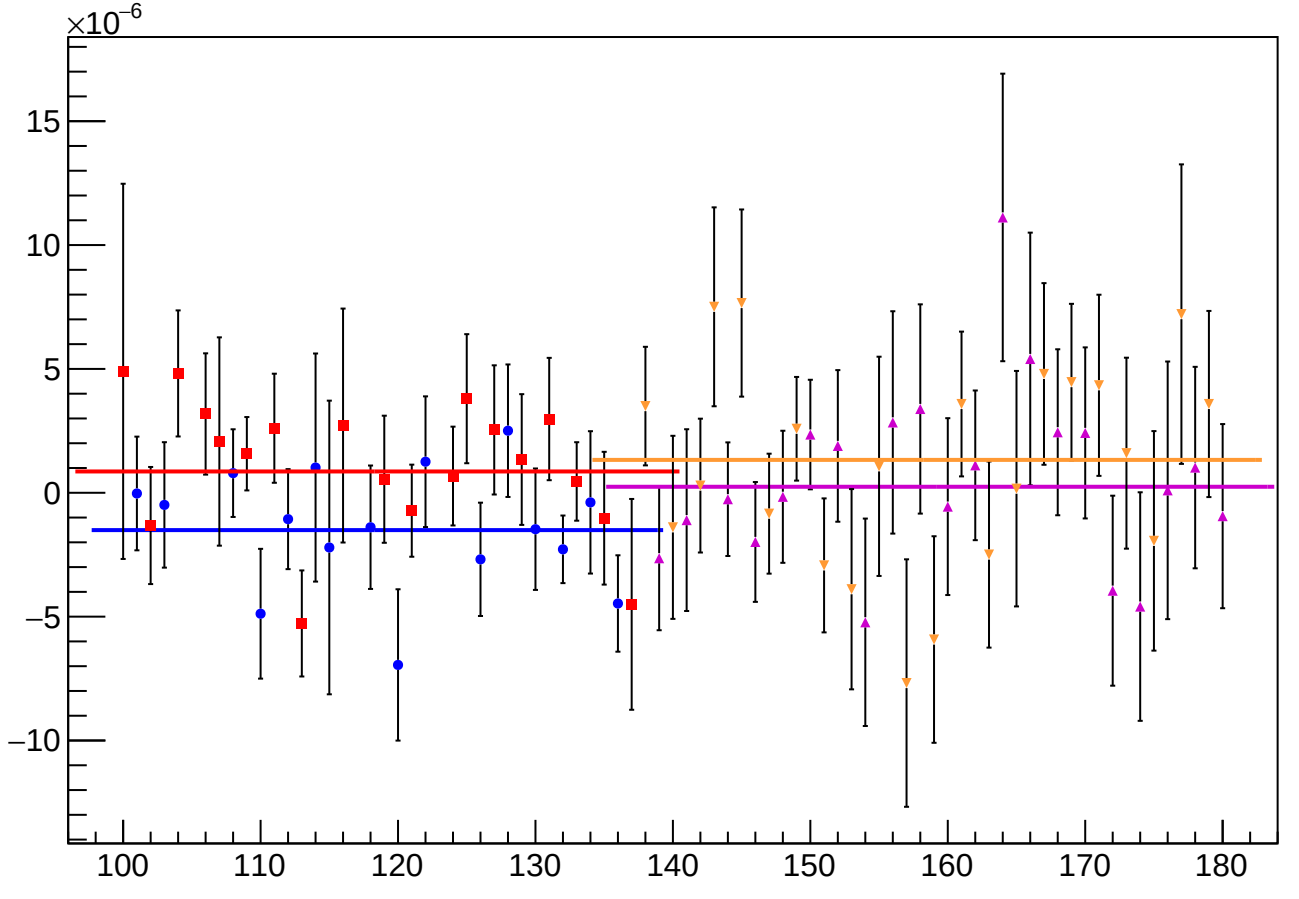
Left: 54.564+/-0.007 χ^2/NDF: 2610252.7/42

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.524+/-0.007 χ^2/NDF:4004633.0/36

Out: 46.335+/-0.007 χ^2/NDF:4849632.9/40

All: 47.382+/-0.005 χ^2/NDF: 8900063.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/20

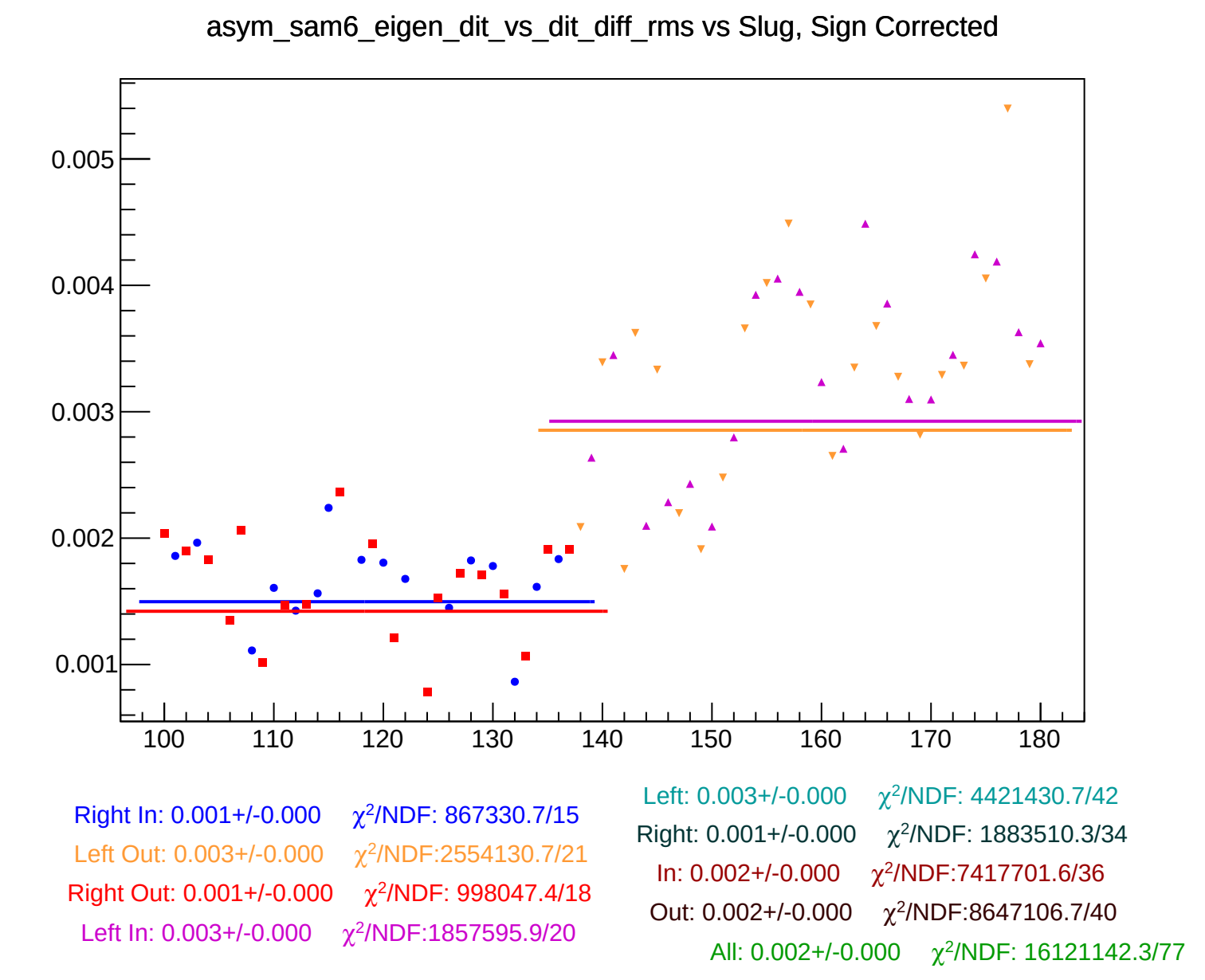
Left: 0.000+/-0.000 χ^2/NDF: 39.3/42

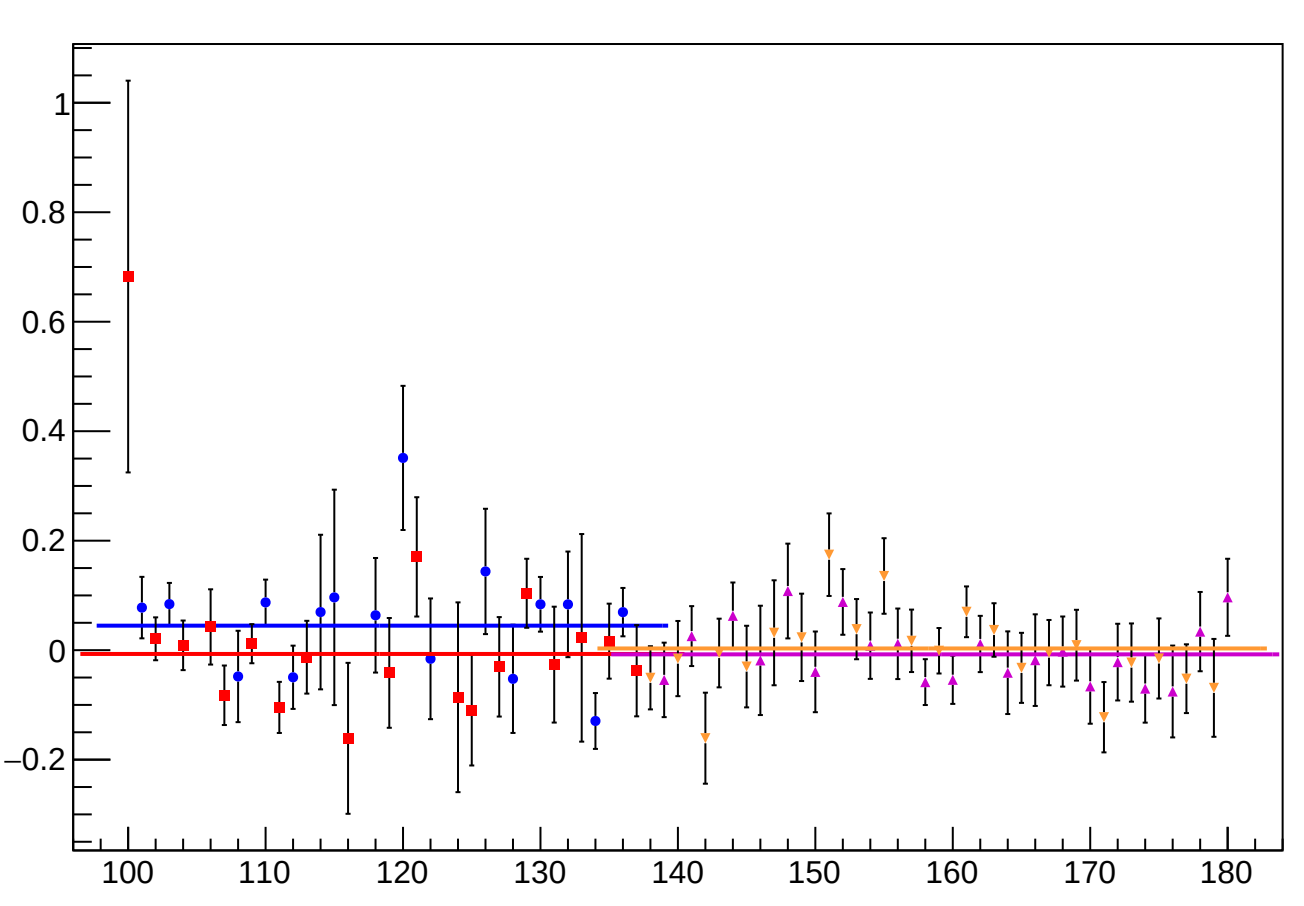
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/36

Out: 0.000+/-0.000 χ^2/NDF:43.8/40

All: 0.000+/-0.000 χ^2/NDF: 83.7/77


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:2554130.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1857595.9/20
Left: 0.003+/-0.000 χ²/NDF: 4421430.7/42
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:7417701.6/36
Out: 0.002+/-0.000 χ²/NDF:8647106.7/40
All: 0.002+/-0.000 χ²/NDF: 16121142.3/77



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/20

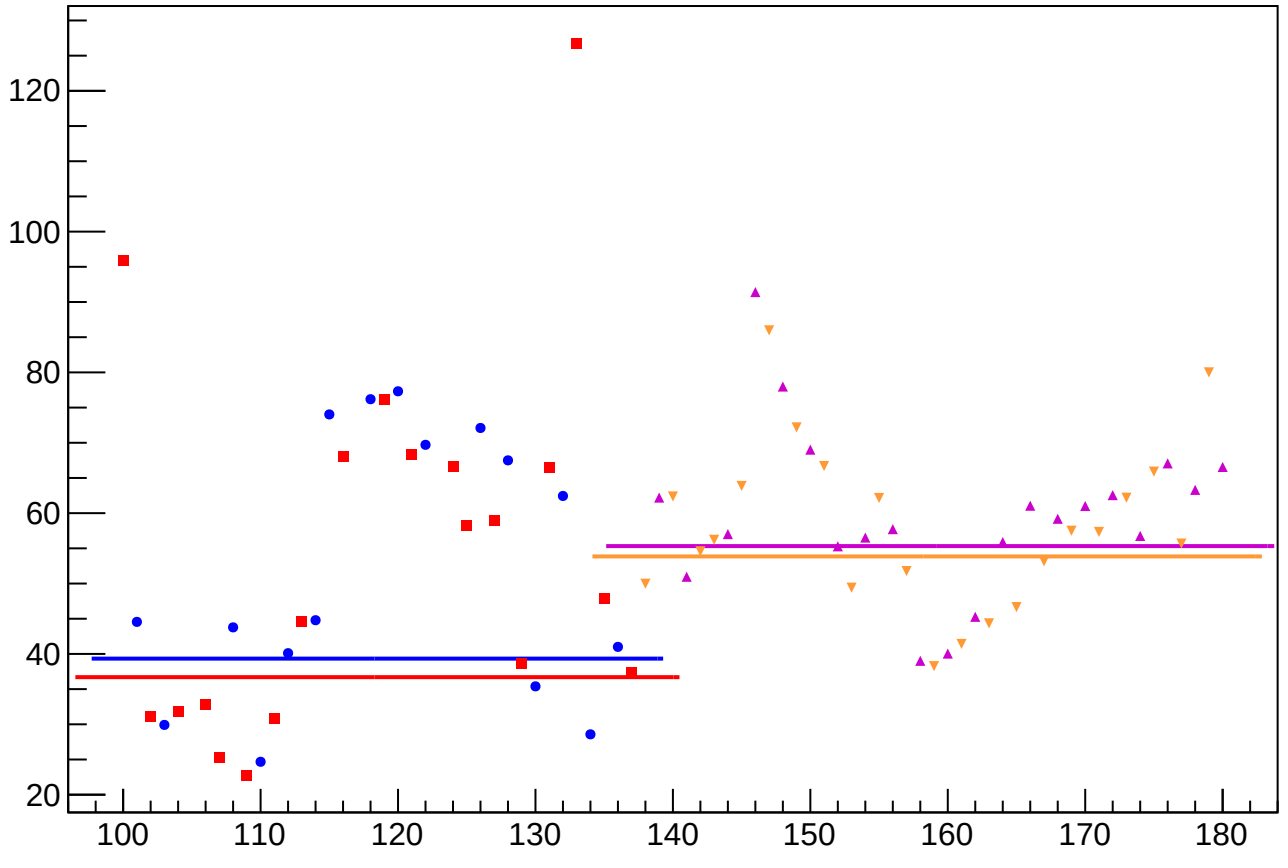
Left: -0.002+/-0.010 χ^2/NDF: 37.9/42

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.015+/-0.010 χ^2/NDF:47.5/36

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.006+/-0.007 χ^2/NDF: 92.0/77



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.321+/-0.010 χ^2/NDF:1293572.0/20

Left: 54.563+/-0.007 χ^2/NDF: 2610495.4/42

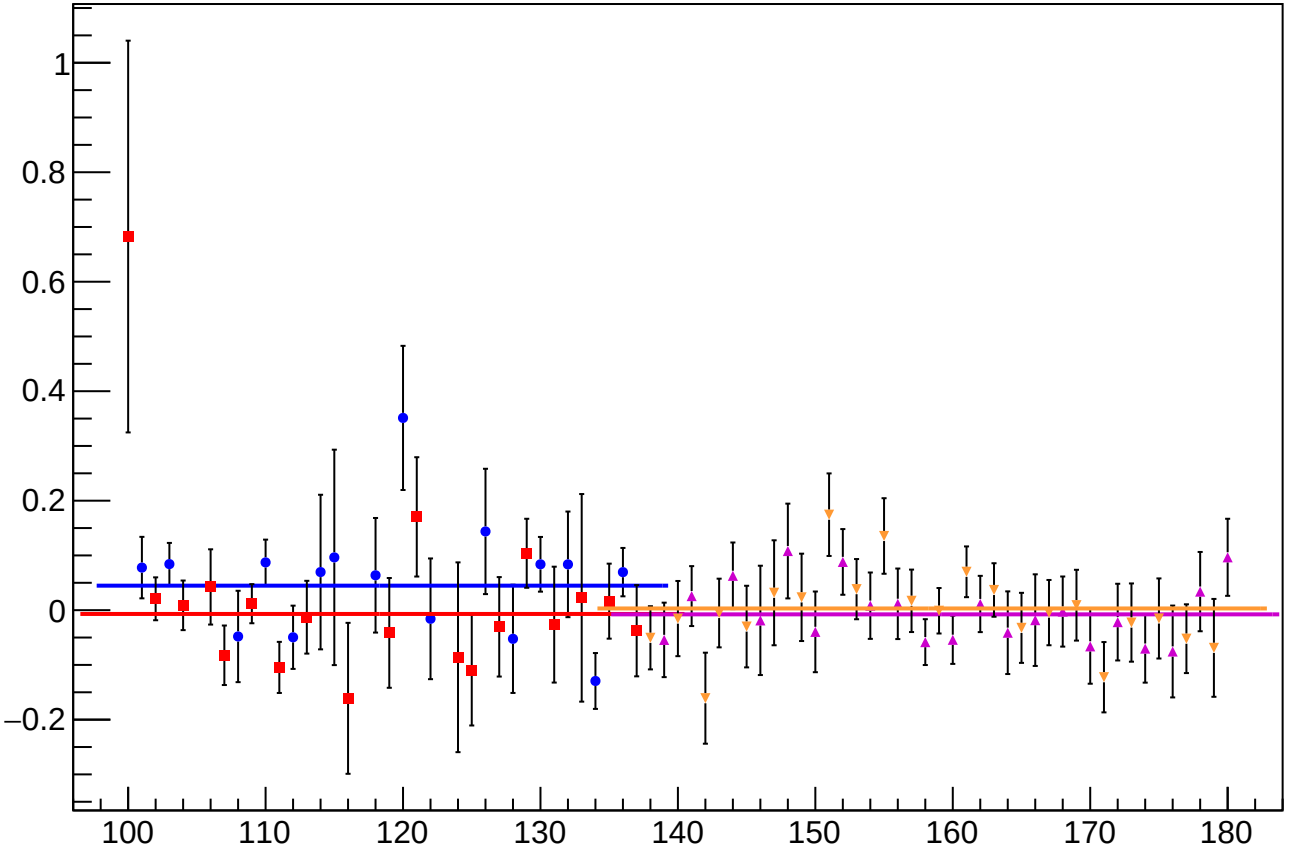
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.523+/-0.007 χ^2/NDF:4004738.1/36

Out: 46.335+/-0.007 χ^2/NDF:4849630.2/40

All: 47.382+/-0.005 χ^2/NDF: 8900156.2/77

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.014 χ^2/NDF:14.8/20

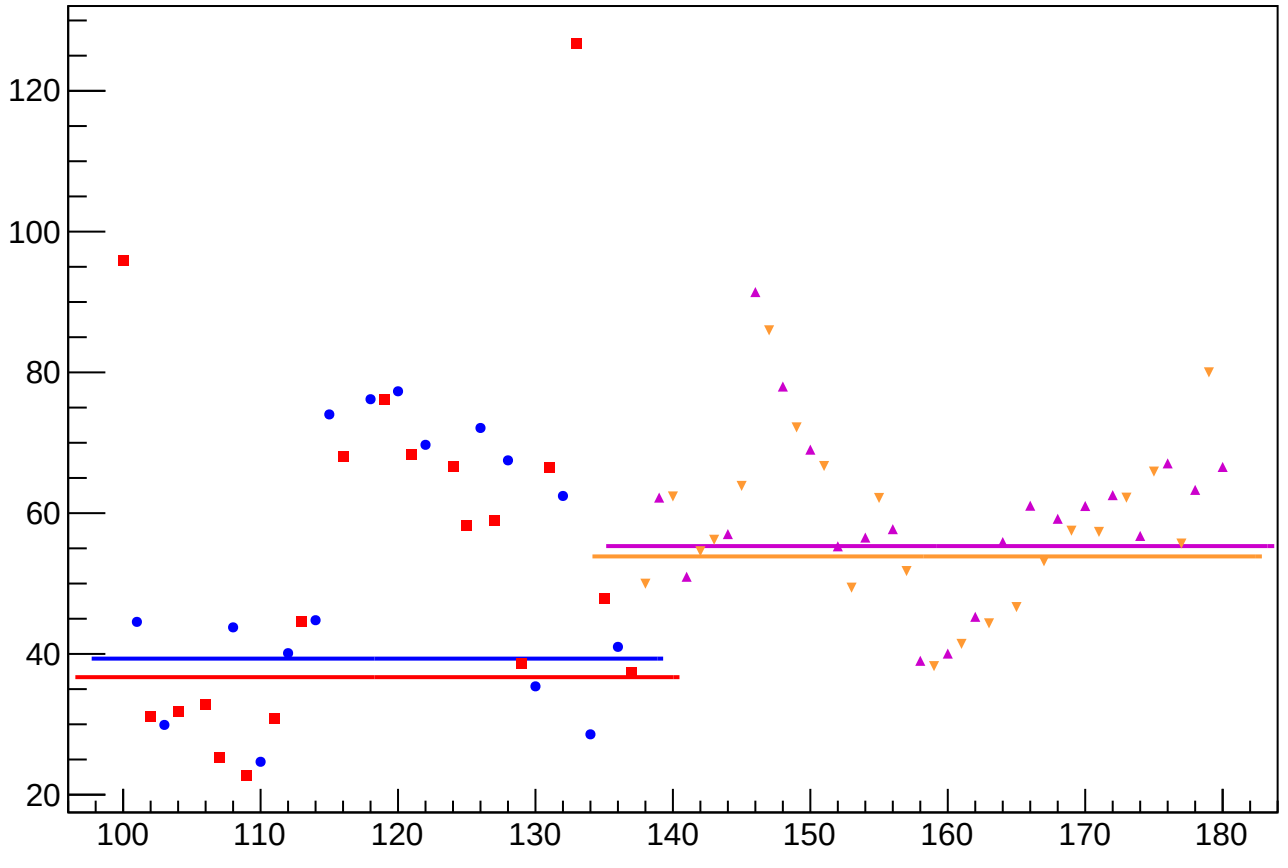
Left: -0.002+/-0.010 χ^2/NDF: 37.9/42

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.015+/-0.010 χ^2/NDF:47.5/36

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.006+/-0.007 χ^2/NDF: 92.0/77



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.321+/-0.010 χ^2/NDF:1293572.0/20

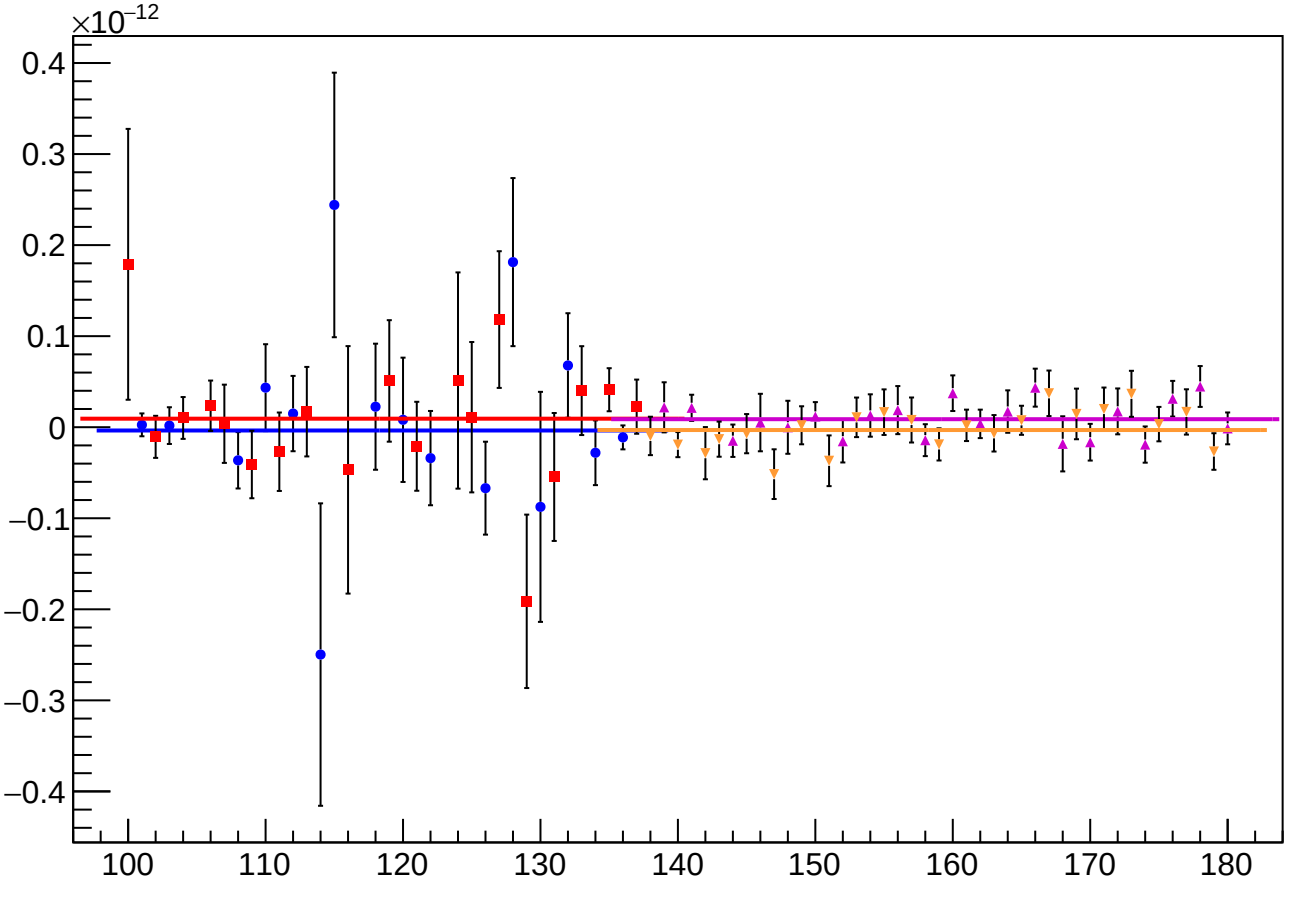
Left: 54.563+/-0.007 χ^2/NDF: 2610495.4/42

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.523+/-0.007 χ^2/NDF:4004738.1/36

Out: 46.335+/-0.007 χ^2/NDF:4849630.2/40

All: 47.382+/-0.005 χ^2/NDF: 8900156.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/20

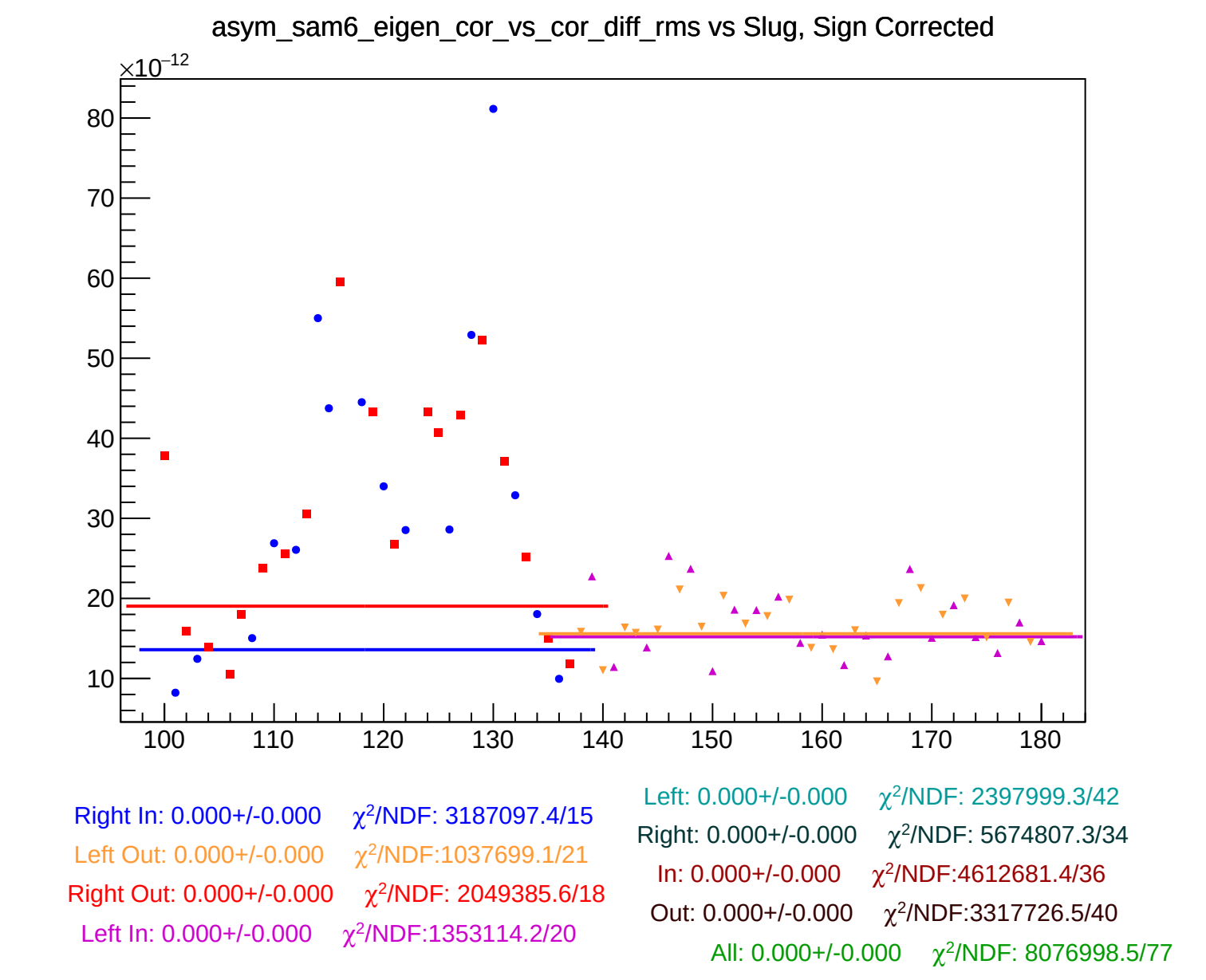
Left: 0.000+/-0.000 χ^2/NDF: 41.6/42

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

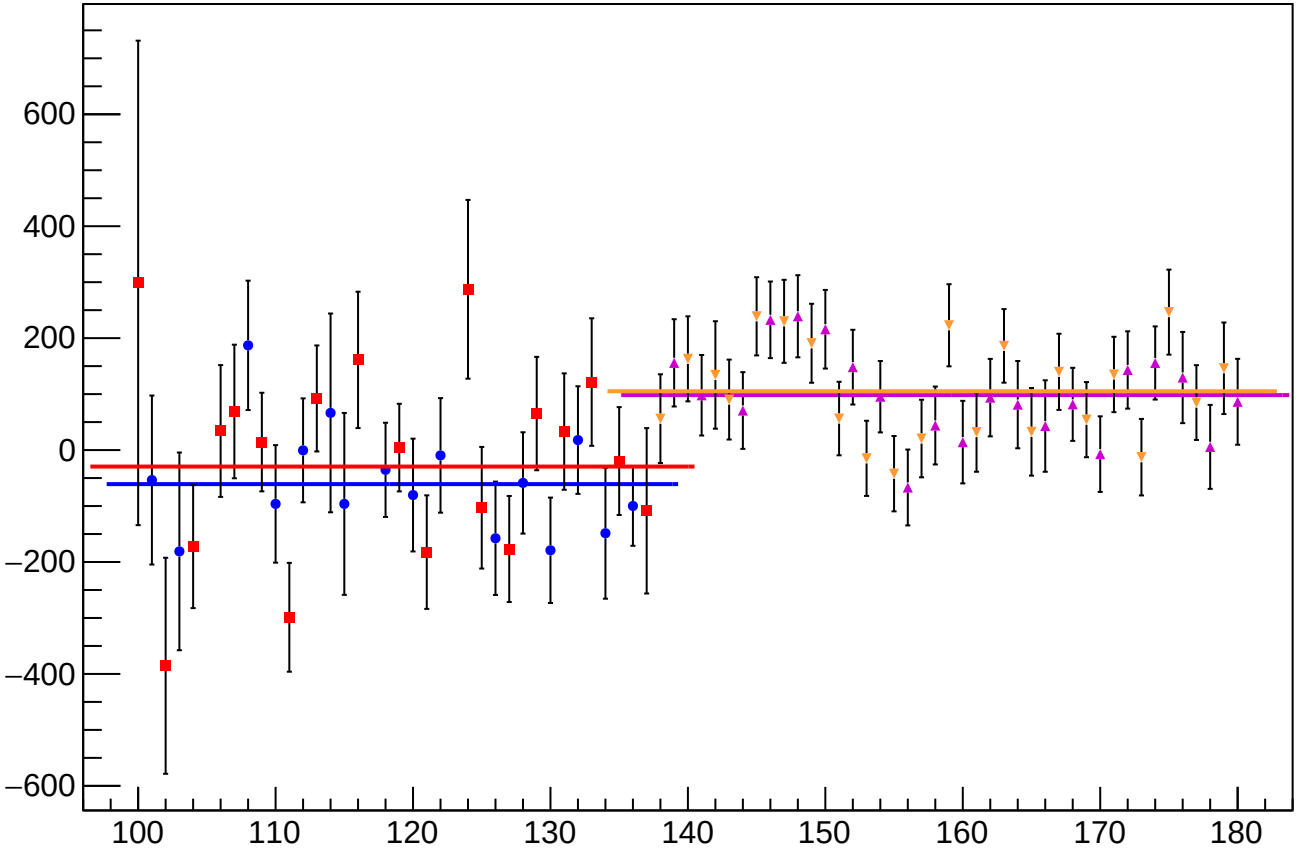
In: 0.000+/-0.000 χ^2/NDF:38.4/36

Out: -0.000+/-0.000 χ^2/NDF:35.7/40

All: 0.000+/-0.000 χ^2/NDF: 75.2/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1037699.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1353114.2/20
Left: 0.000+/-0.000 χ²/NDF: 2397999.3/42
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4612681.4/36
Out: 0.000+/-0.000 χ²/NDF:3317726.5/40
All: 0.000+/-0.000 χ²/NDF: 8076998.5/77

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 98.288+/-15.487 χ^2/NDF:25.4/20

Left: 101.742+/-10.862 χ^2/NDF: 58.4/42

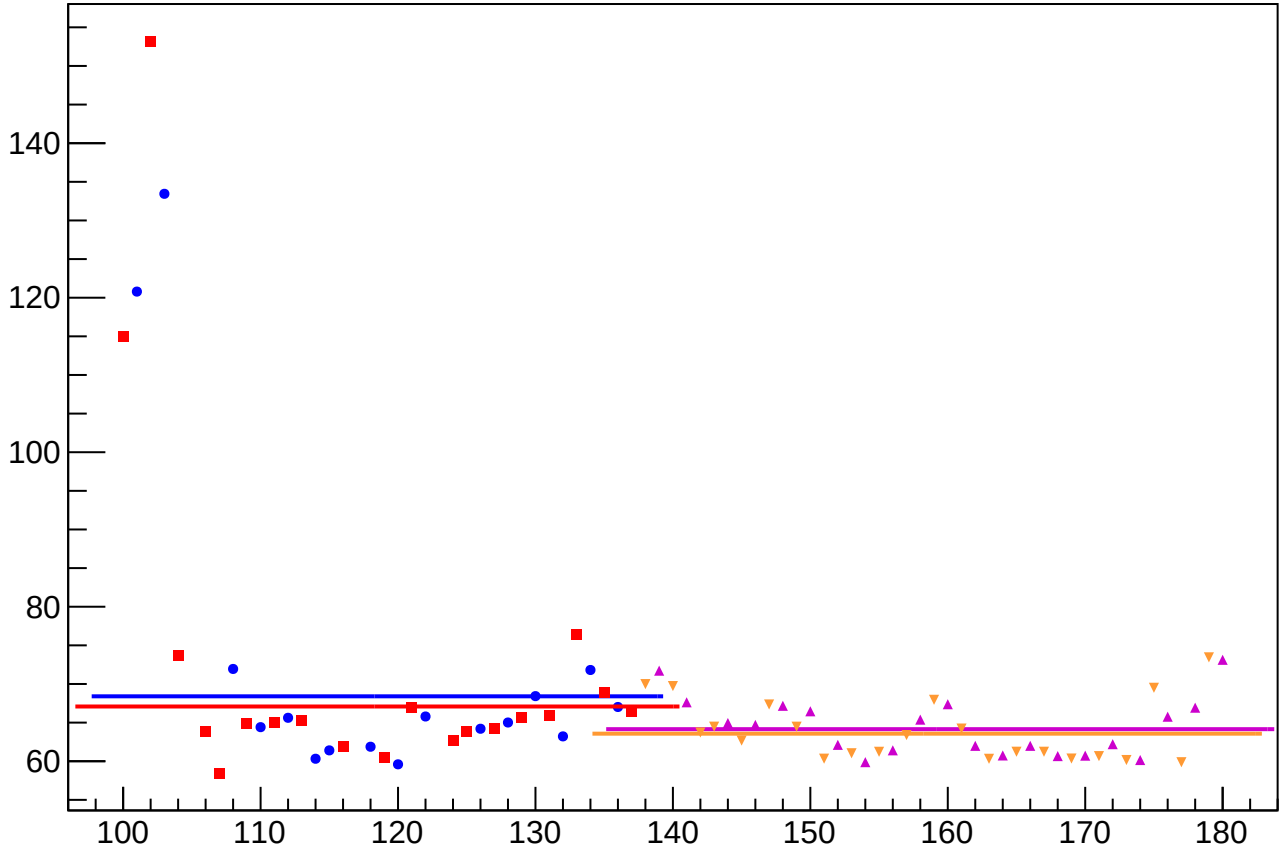
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 56.741+/-13.312 χ^2/NDF:63.5/36

Out: 68.862+/-13.027 χ^2/NDF:85.1/40

All: 62.933+/-9.311 χ^2/NDF: 149.0/77

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

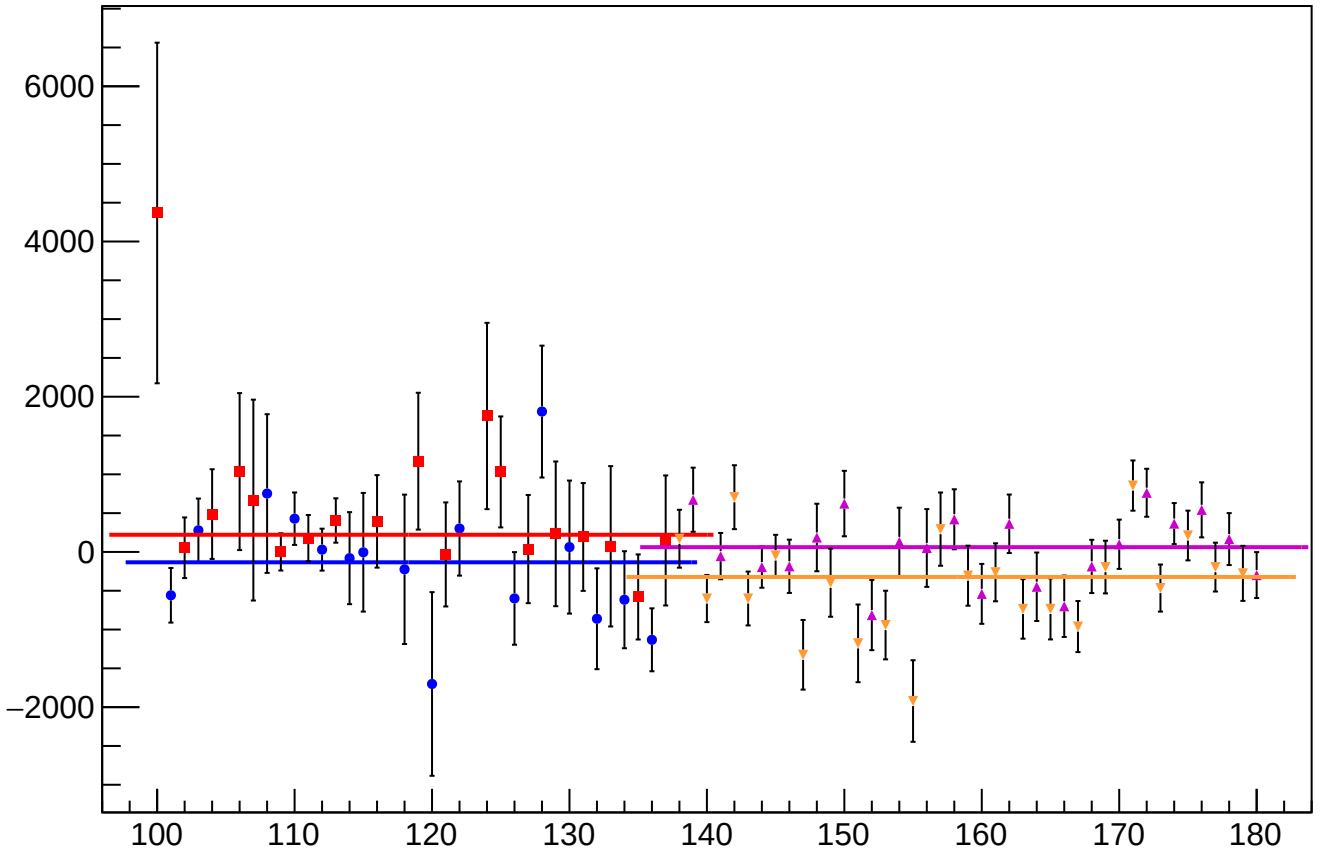
Left: 63.855+/-0.008 χ^2/NDF: 227263.5/42

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.262+/-0.009 χ^2/NDF:714934.3/36

Out: 64.515+/-0.009 χ^2/NDF:630297.6/40

All: 64.880+/-0.007 χ^2/NDF: 1348448.1/77



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 61.533+/-77.152 χ^2/NDF:28.8/20

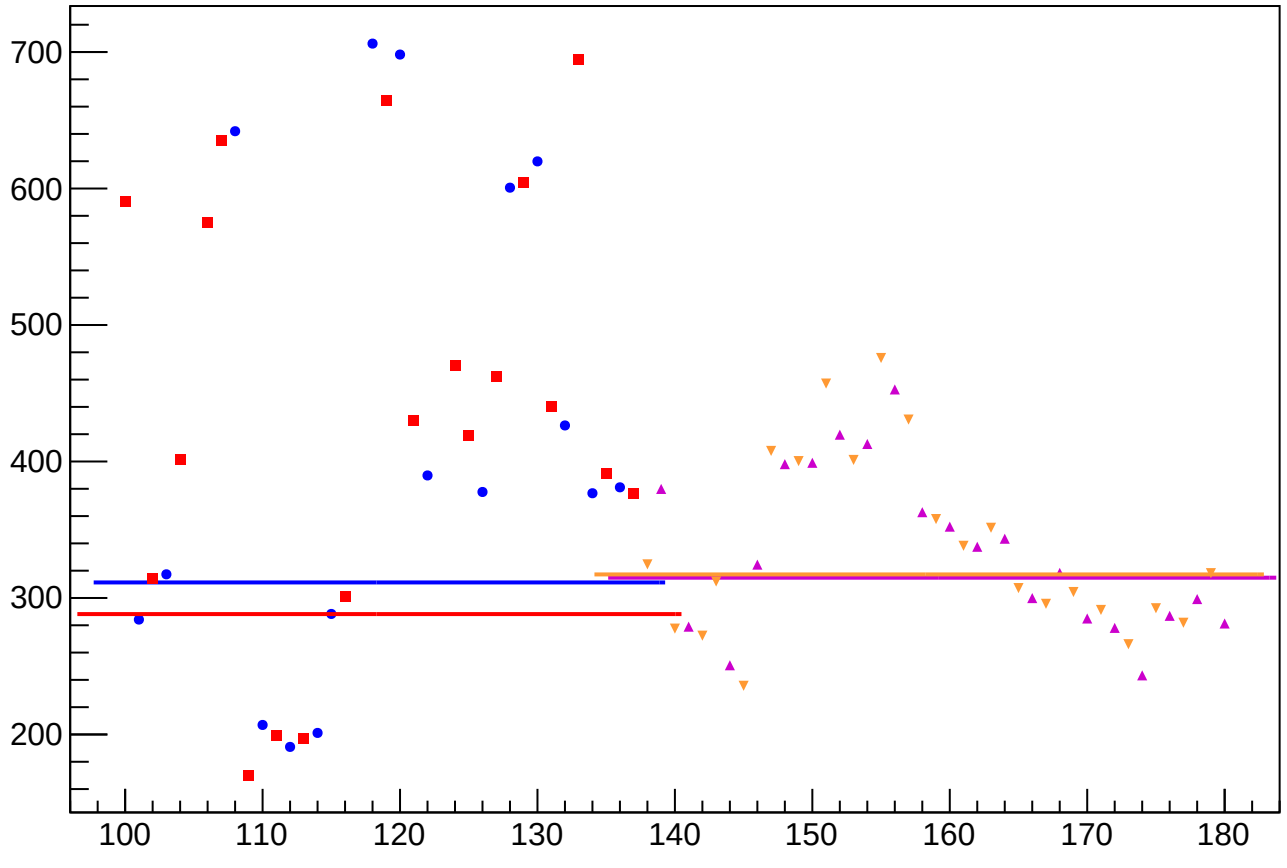
Left: -129.762+/-54.640 χ^2/NDF: 95.1/42

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 8.266+/-65.783 χ^2/NDF:53.0/36

Out: -158.333+/-64.679 χ^2/NDF:81.4/40

All: -76.443+/-46.121 χ^2/NDF: 137.7/77



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.258+/-0.055 χ^2/NDF:1089857.5/21

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 314.868+/-0.055 χ^2/NDF:1009278.2/20

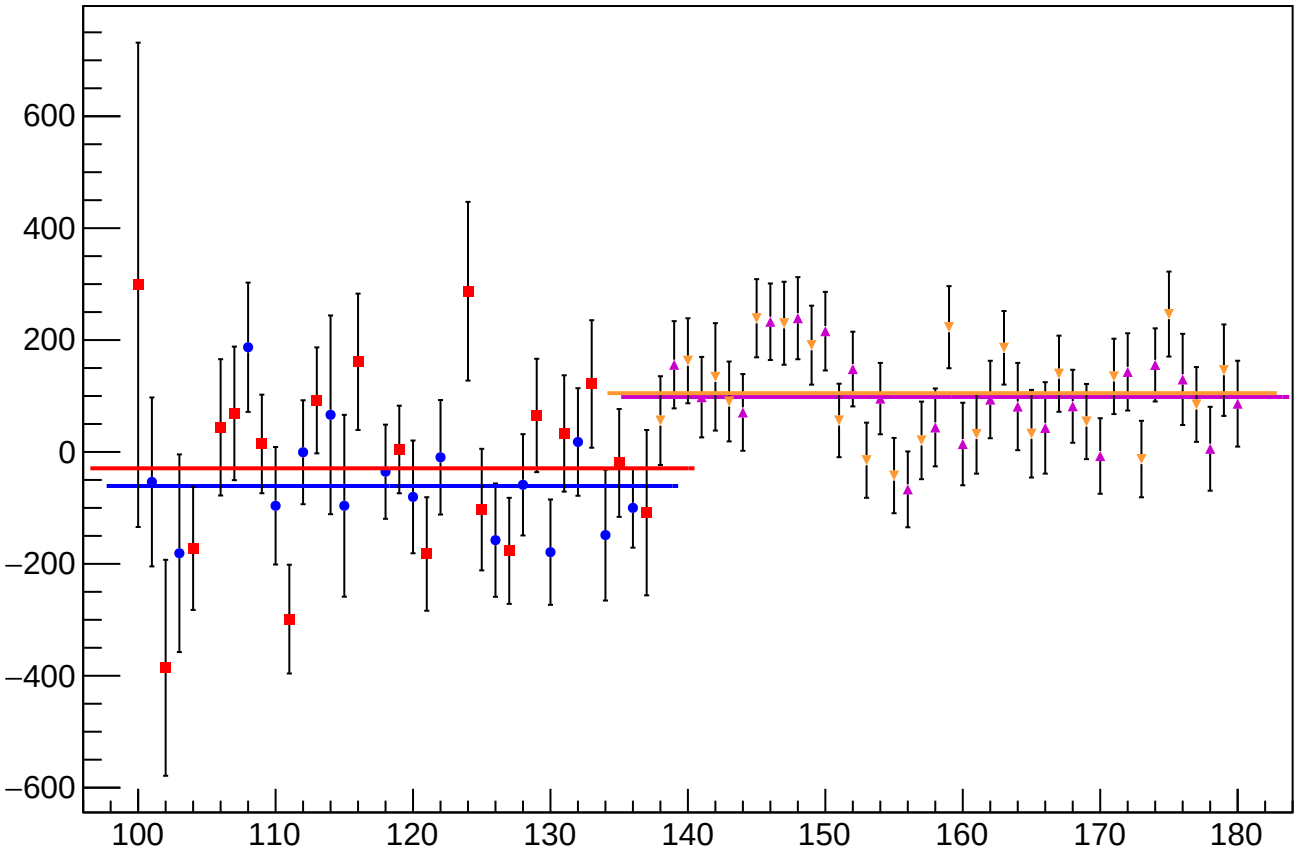
Left: 316.059+/-0.039 χ^2/NDF: 2100092.3/42

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 313.917+/-0.047 χ^2/NDF:3134187.6/36

Out: 308.496+/-0.046 χ^2/NDF:3890229.1/40

All: 311.161+/-0.033 χ^2/NDF: 7031321.6/77



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.286+/-15.487 χ^2/NDF:25.4/20

Left: 101.741+/-10.862 χ^2/NDF: 58.4/42

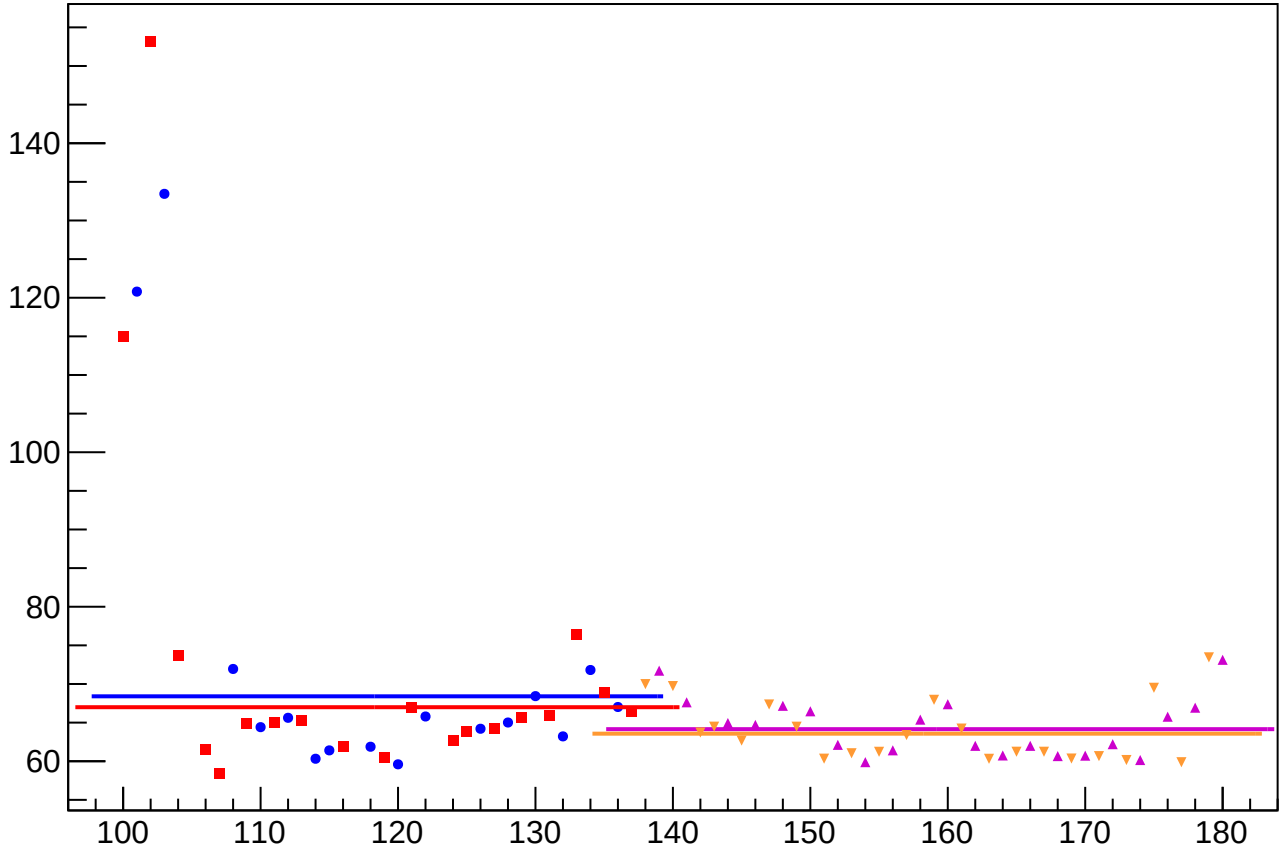
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 56.739+/-13.312 χ^2/NDF:63.5/36

Out: 69.004+/-13.032 χ^2/NDF:85.1/40

All: 63.002+/-9.313 χ^2/NDF: 149.0/77

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

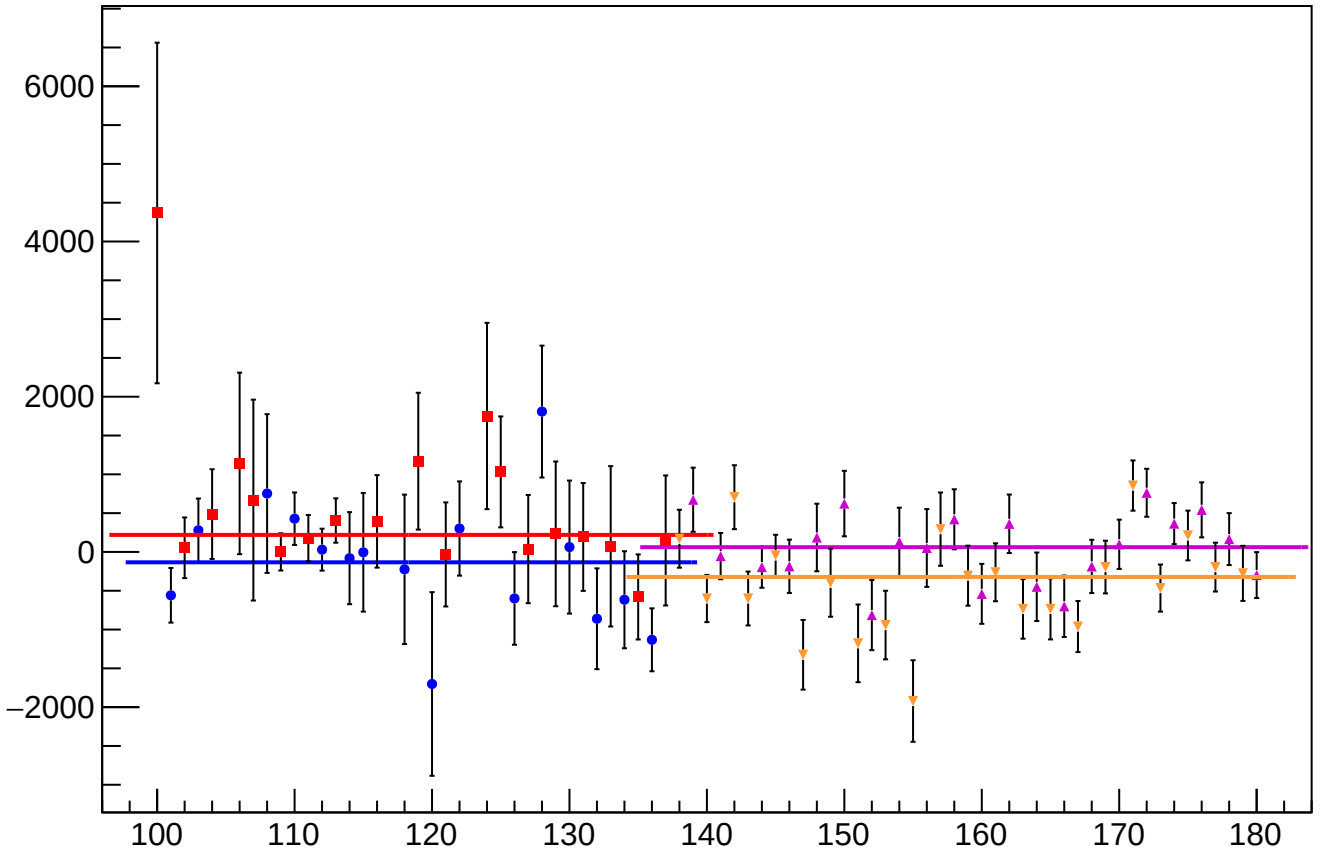
Left: 63.855+/-0.008 χ^2/NDF: 227263.5/42

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.262+/-0.009 χ^2/NDF:714934.7/36

Out: 64.489+/-0.009 χ^2/NDF:631443.4/40

All: 64.867+/-0.007 χ^2/NDF: 1349825.6/77



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 61.528+/-77.152 χ^2/NDF:28.8/20

Left: -129.764+/-54.640 χ^2/NDF: 95.1/42

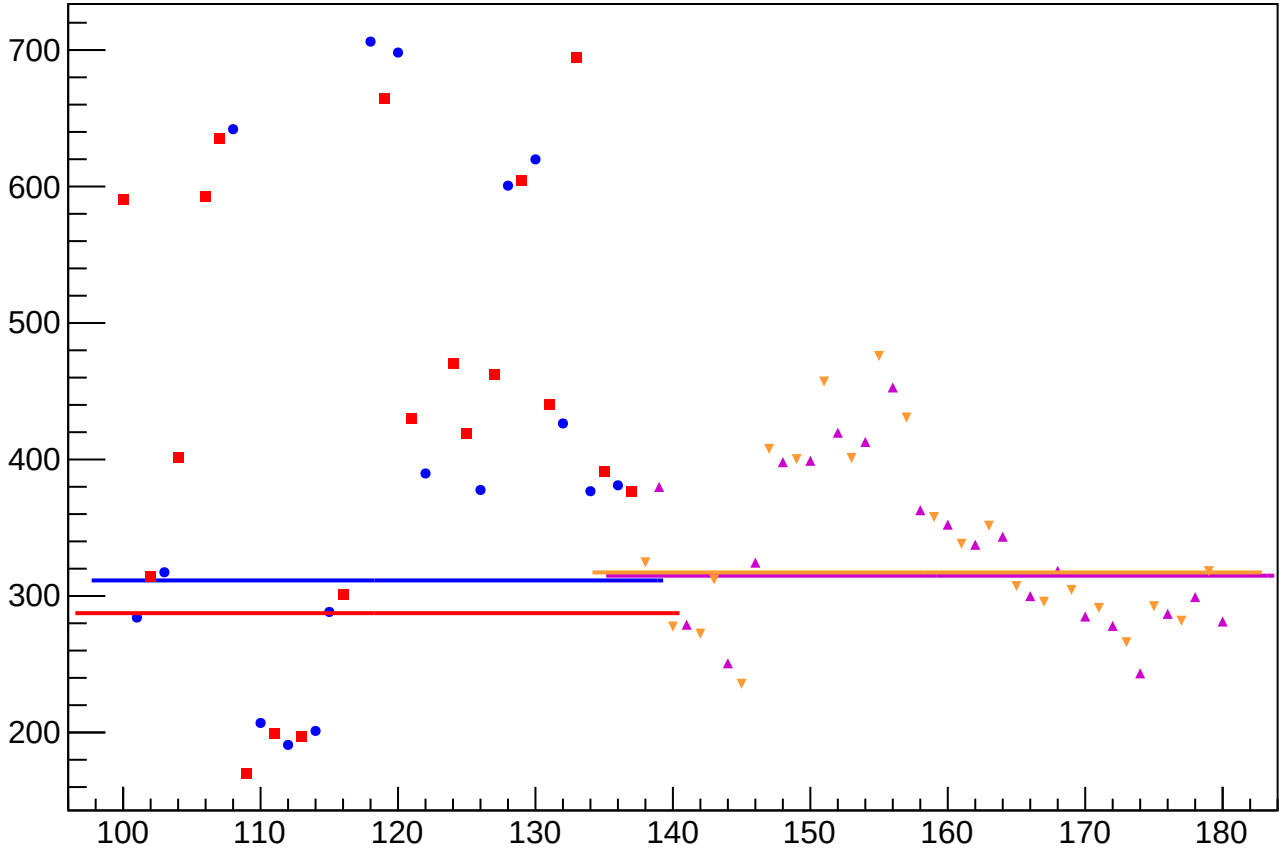
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 8.263+/-65.783 χ^2/NDF:53.0/36

Out: -159.249+/-64.713 χ^2/NDF:81.3/40

All: -76.866+/-46.133 χ^2/NDF: 137.6/77

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

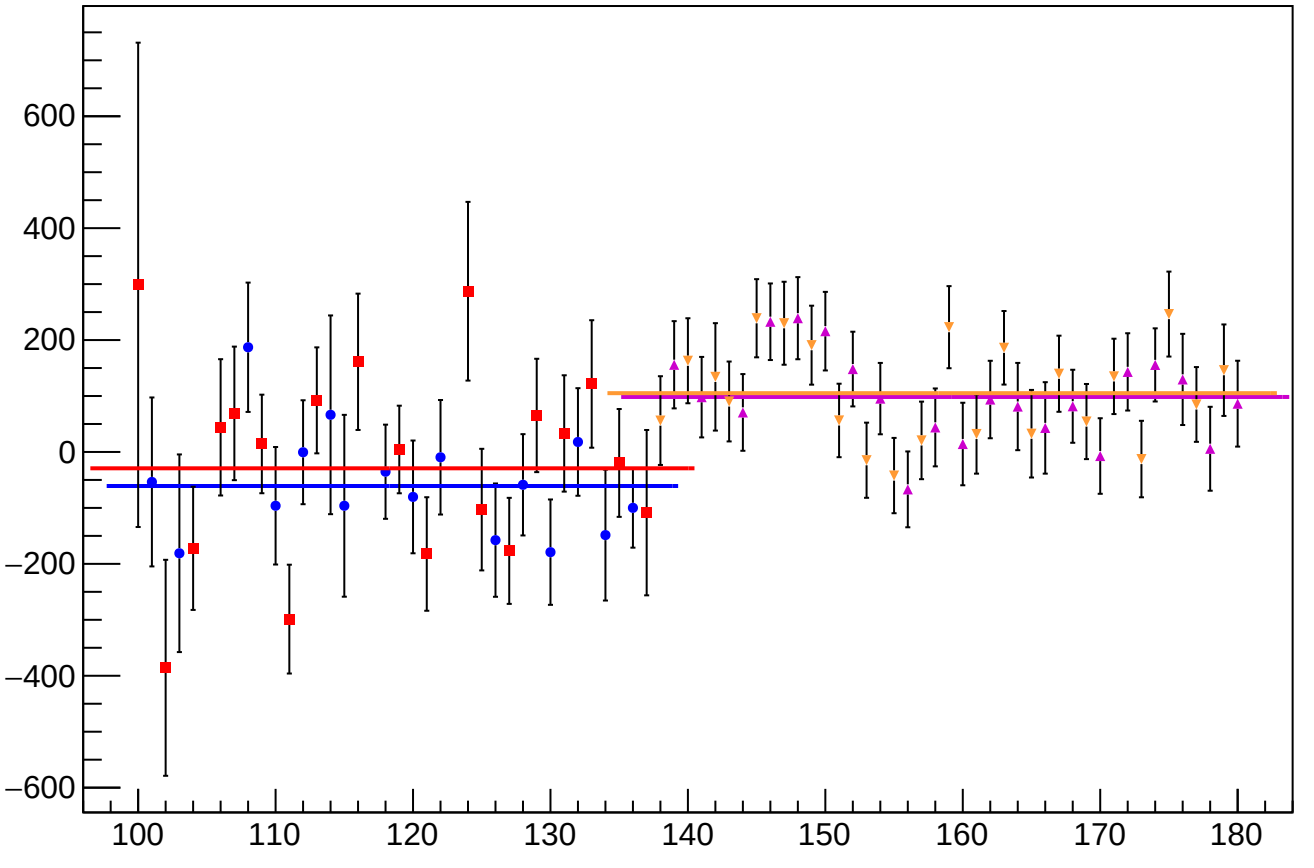
Left: 316.059+/-0.039 χ^2/NDF: 2100099.8/42

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 313.918+/-0.047 χ^2/NDF:3134190.9/36

Out: 308.280+/-0.046 χ^2/NDF:3869585.1/40

All: 311.052+/-0.033 χ^2/NDF: 7011242.4/77



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.286+/-15.487 χ^2/NDF:25.4/20

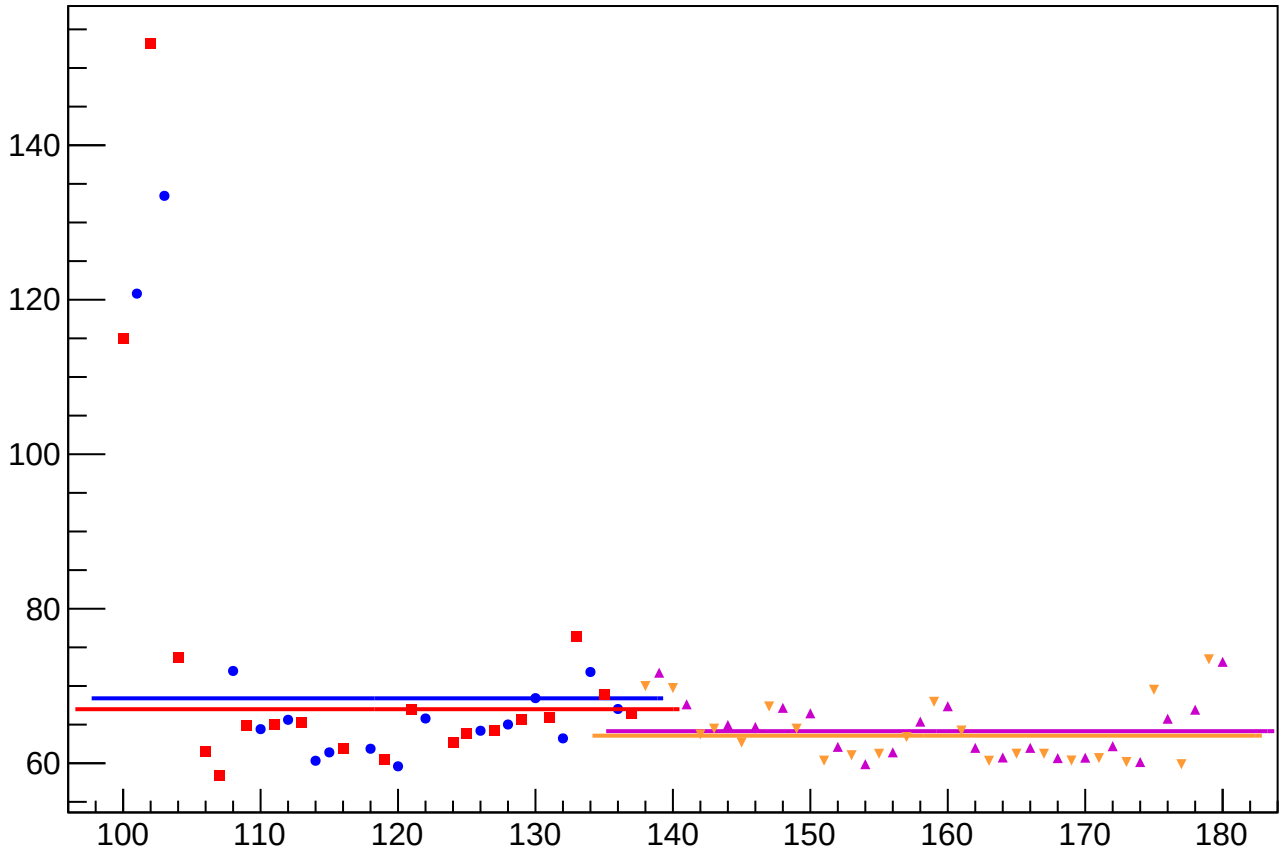
Left: 101.741+/-10.862 χ^2/NDF: 58.4/42

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 56.739+/-13.312 χ^2/NDF:63.5/36

Out: 69.004+/-13.032 χ^2/NDF:85.1/40

All: 63.002+/-9.313 χ^2/NDF: 149.0/77



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.152+/-0.011 χ^2/NDF:106030.1/20

Left: 63.855+/-0.008 χ^2/NDF: 227263.5/42

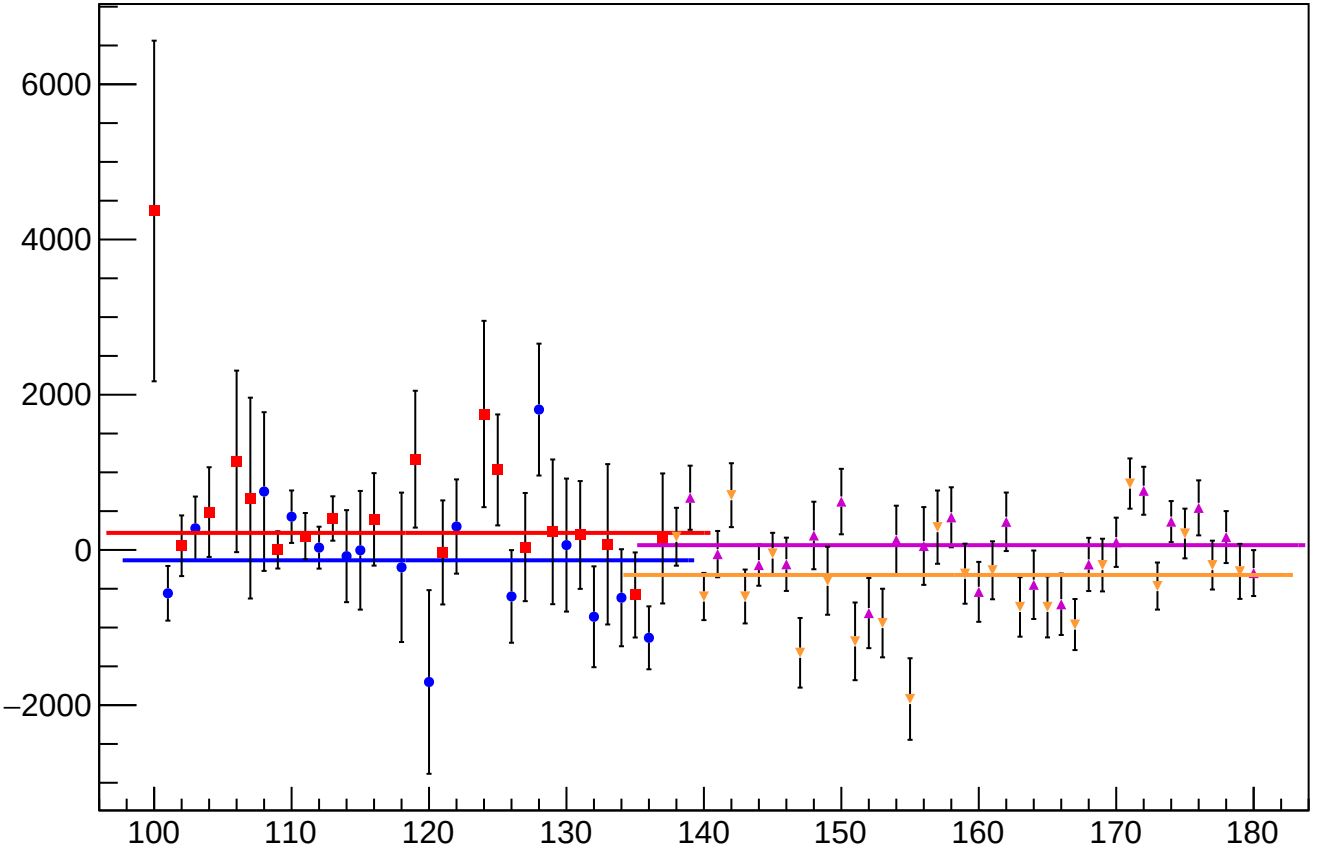
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.262+/-0.009 χ^2/NDF:714934.7/36

Out: 64.489+/-0.009 χ^2/NDF:631443.4/40

All: 64.867+/-0.007 χ^2/NDF: 1349825.6/77

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 61.528+/-77.152 χ^2/NDF:28.8/20

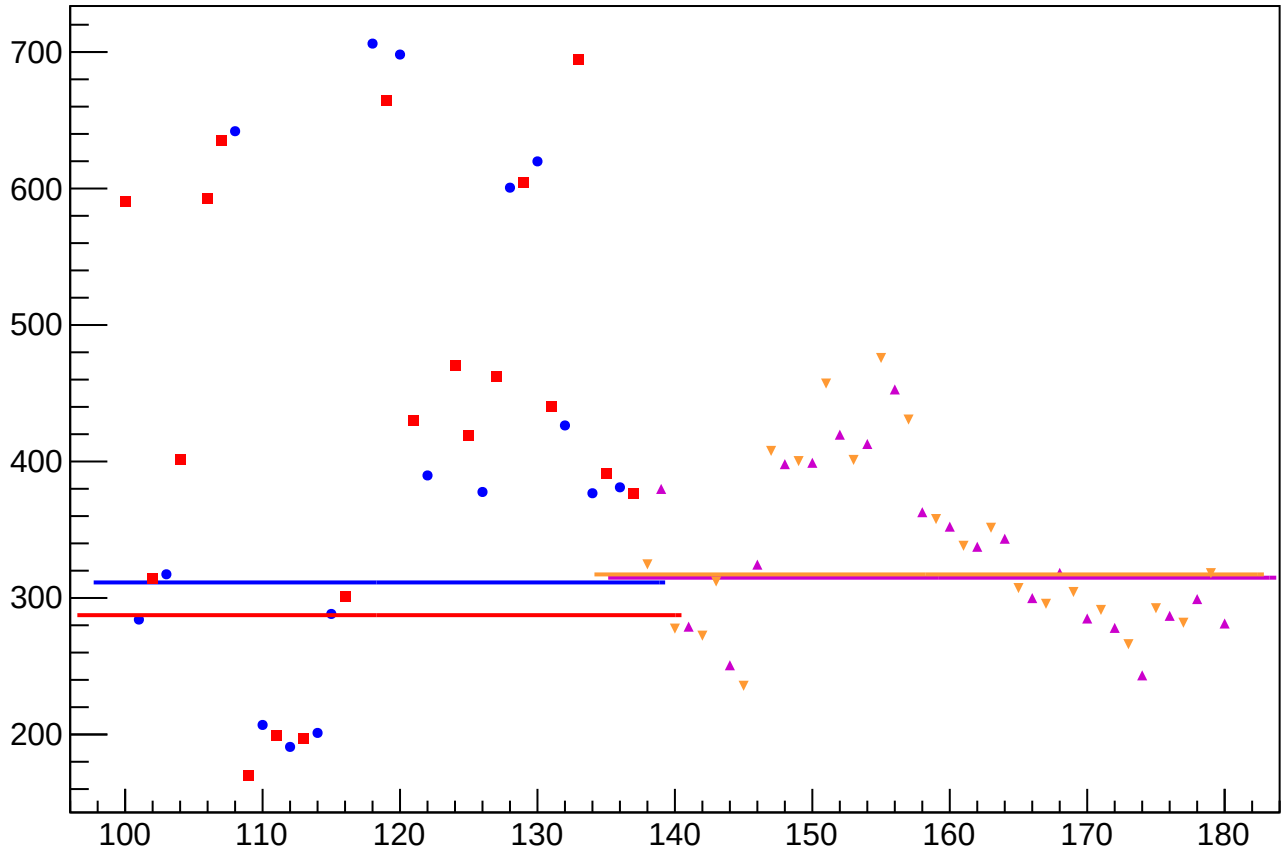
Left: -129.764+/-54.640 χ^2/NDF: 95.1/42

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 8.263+/-65.783 χ^2/NDF:53.0/36

Out: -159.249+/-64.713 χ^2/NDF:81.3/40

All: -76.866+/-46.133 χ^2/NDF: 137.6/77



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 314.868+/-0.055 χ^2/NDF:1009281.3/20

Left: 316.059+/-0.039 χ^2/NDF: 2100099.8/42

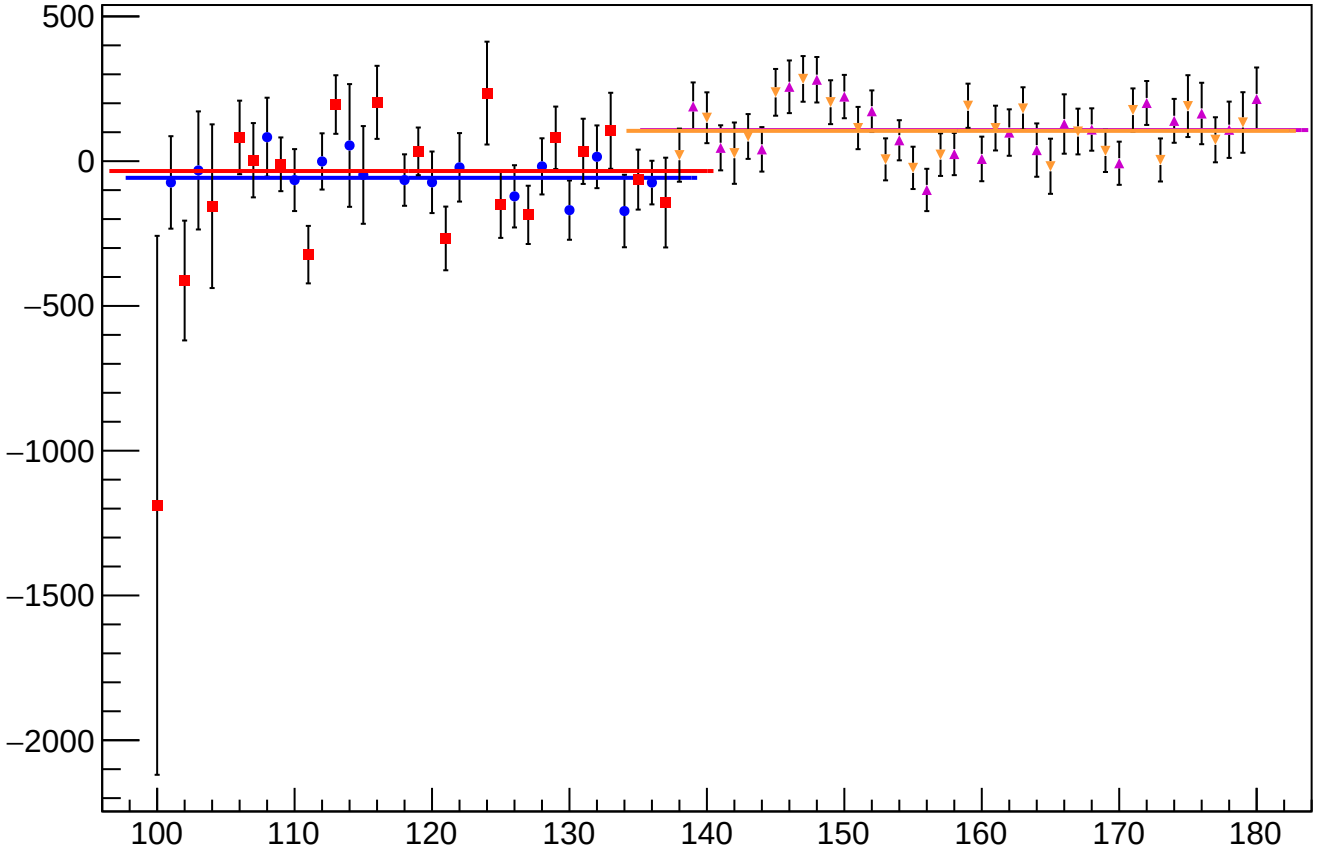
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 313.918+/-0.047 χ^2/NDF:3134190.9/36

Out: 308.280+/-0.046 χ^2/NDF:3869585.1/40

All: 311.052+/-0.033 χ^2/NDF: 7011242.4/77

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 107.427+/-17.543 χ^2/NDF:30.3/20

Left: 106.040+/-12.235 χ^2/NDF: 56.4/42

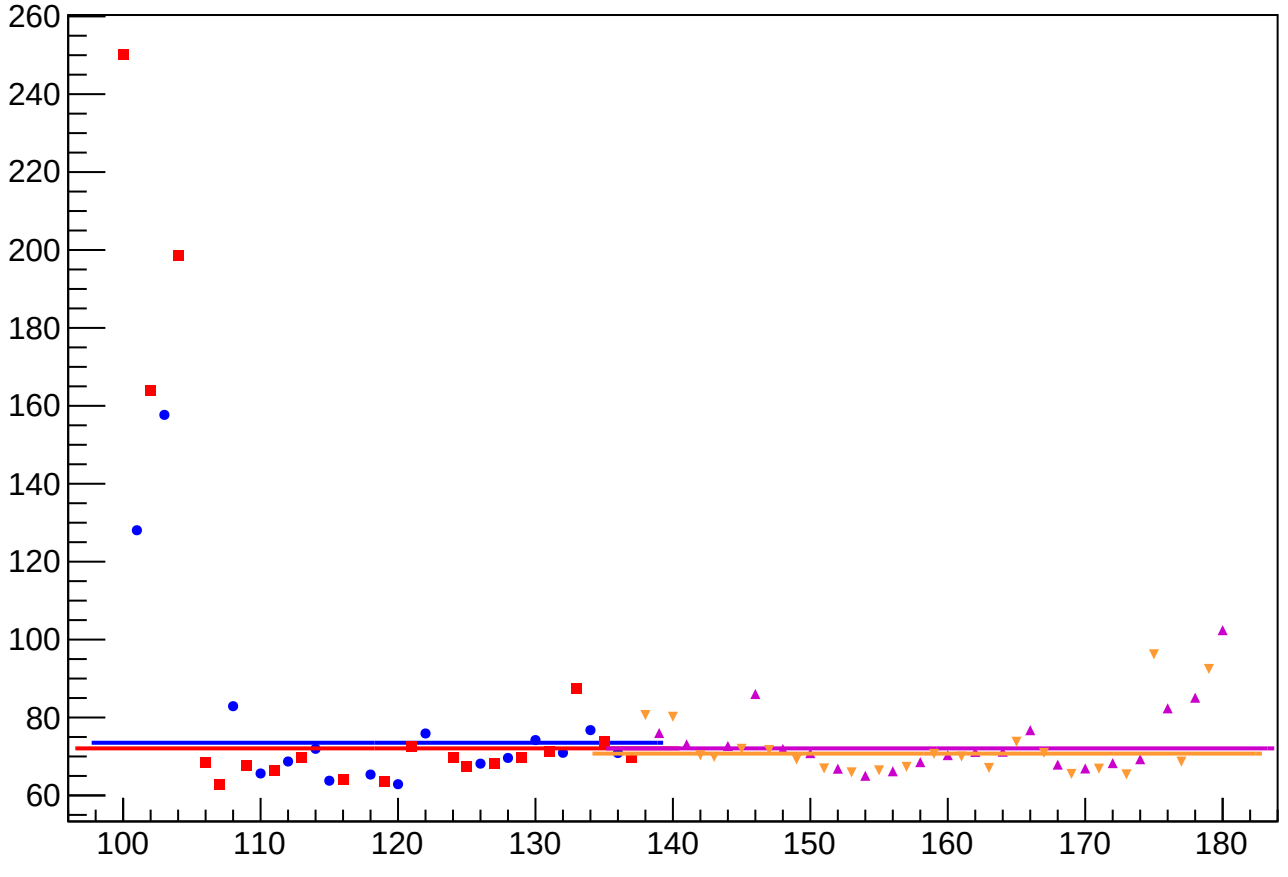
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 61.133+/-14.879 χ^2/NDF:60.0/36

Out: 65.915+/-14.490 χ^2/NDF:81.7/40

All: 63.587+/-10.381 χ^2/NDF: 141.8/77

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.737+/-0.012 χ^2/NDF:308383.6/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 72.074+/-0.012 χ^2/NDF:341128.6/20

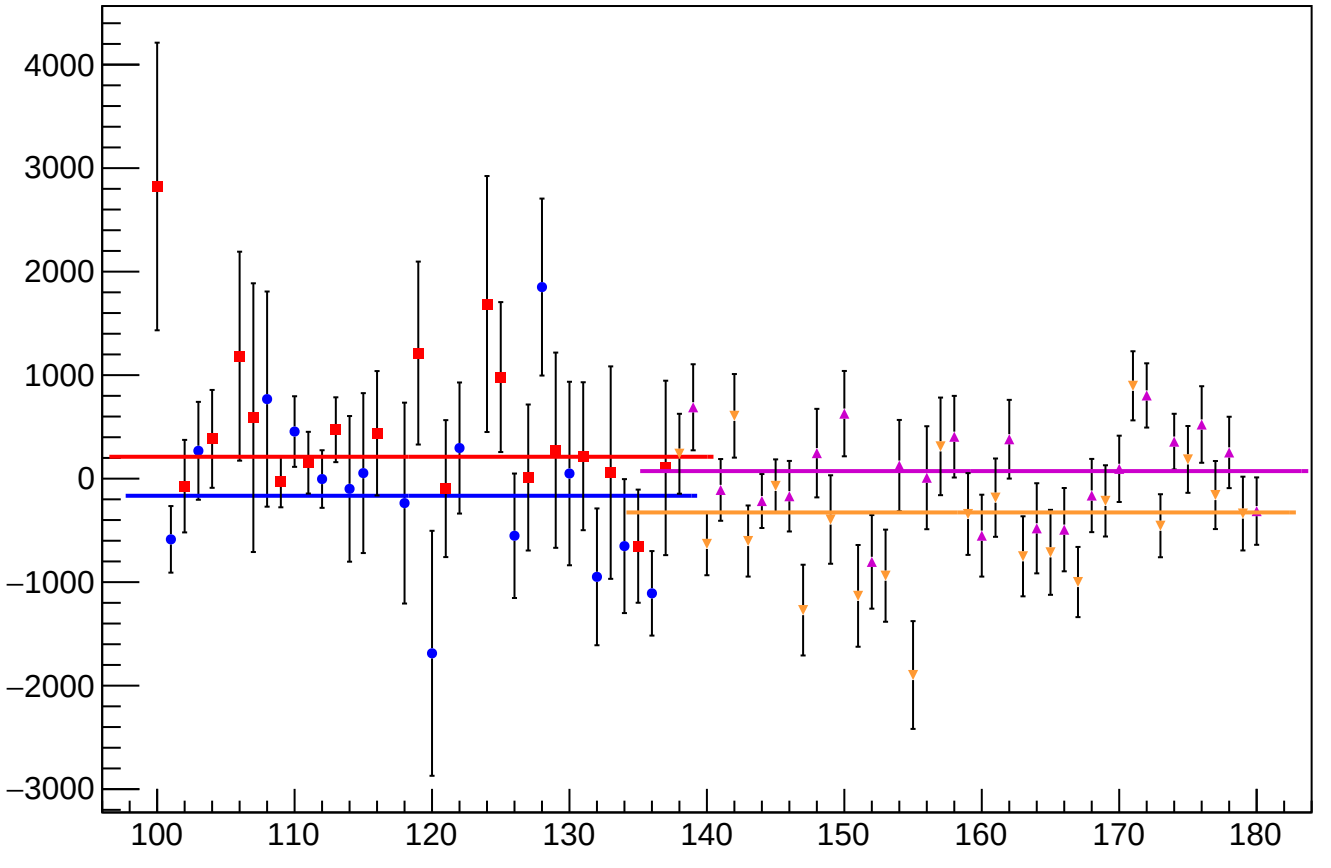
Left: 71.387+/-0.009 χ^2/NDF: 655480.5/42

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.480+/-0.011 χ^2/NDF:1001783.1/36

Out: 71.111+/-0.010 χ^2/NDF:1270309.1/40

All: 71.777+/-0.007 χ^2/NDF: 2280779.0/77



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.598+/-77.823 χ^2/NDF:53.0/21

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 72.887+/-78.083 χ^2/NDF:27.8/20

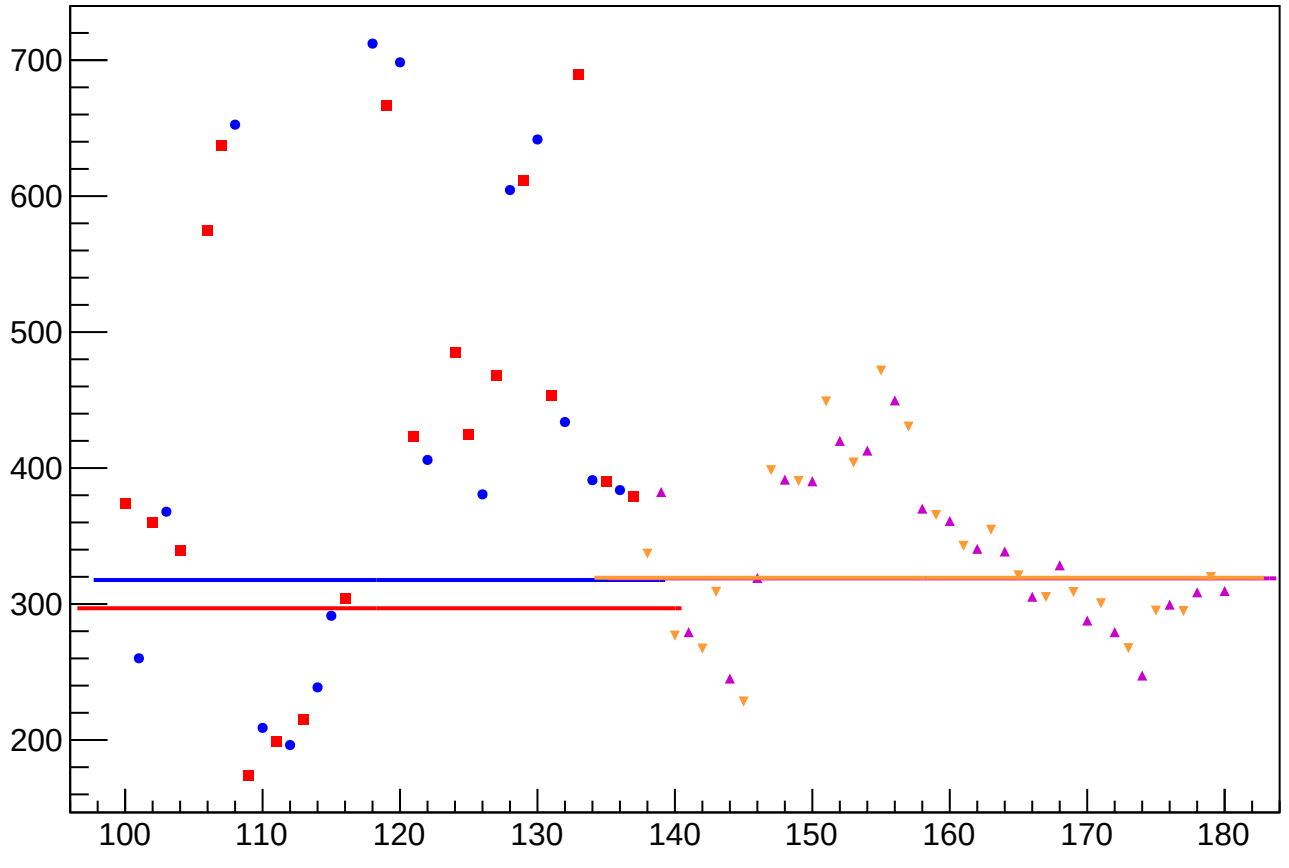
Left: -127.522+/-55.121 χ^2/NDF: 93.9/42

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 8.557+/-66.720 χ^2/NDF:52.9/36

Out: -167.560+/-65.313 χ^2/NDF:80.7/40

All: -81.378+/-46.673 χ^2/NDF: 137.2/77



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.317+/-0.055 χ^2/NDF:1089097.7/21

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 318.865+/-0.055 χ^2/NDF:960681.8/20

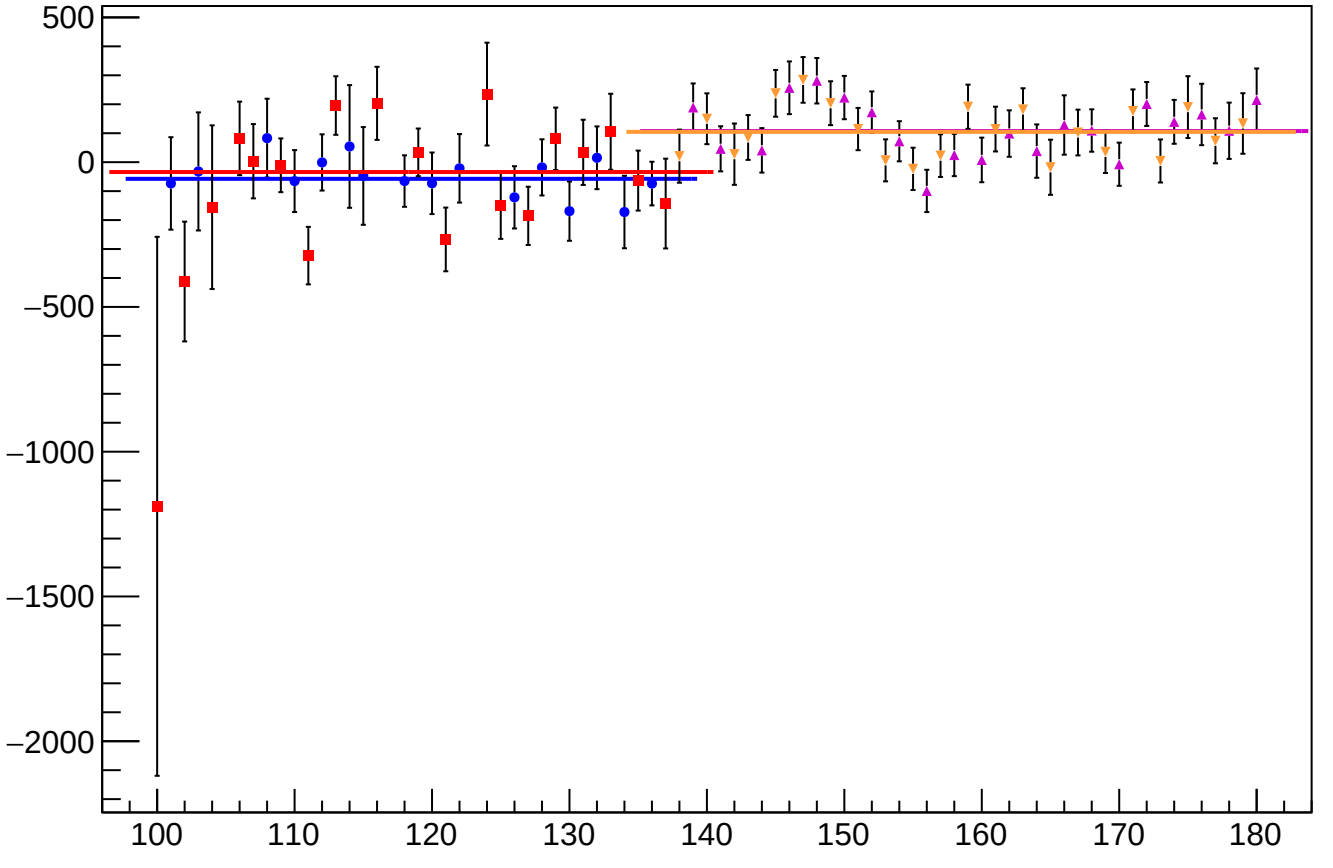
Left: 319.092+/-0.039 χ^2/NDF: 2049813.1/42

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 318.541+/-0.047 χ^2/NDF:3097002.3/36

Out: 312.686+/-0.046 χ^2/NDF:3679253.3/40

All: 315.551+/-0.033 χ^2/NDF: 6784119.5/77



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 107.427+/-17.543 χ^2/NDF:30.3/20

Left: 106.040+/-12.235 χ^2/NDF: 56.4/42

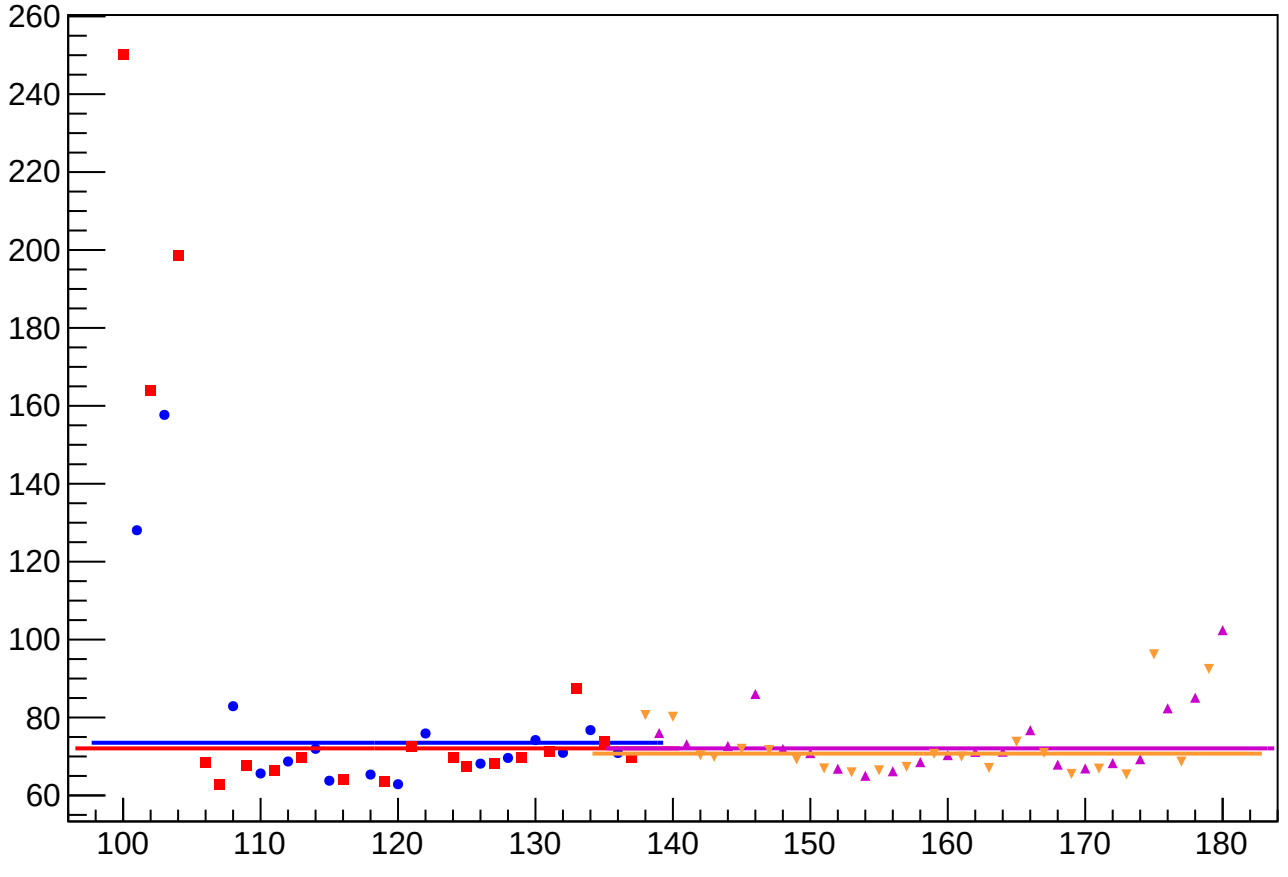
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 61.132+/-14.879 χ^2/NDF:60.0/36

Out: 65.914+/-14.490 χ^2/NDF:81.7/40

All: 63.587+/-10.381 χ^2/NDF: 141.8/77

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.737+/-0.012 χ^2/NDF:308381.9/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 72.074+/-0.012 χ^2/NDF:341129.1/20

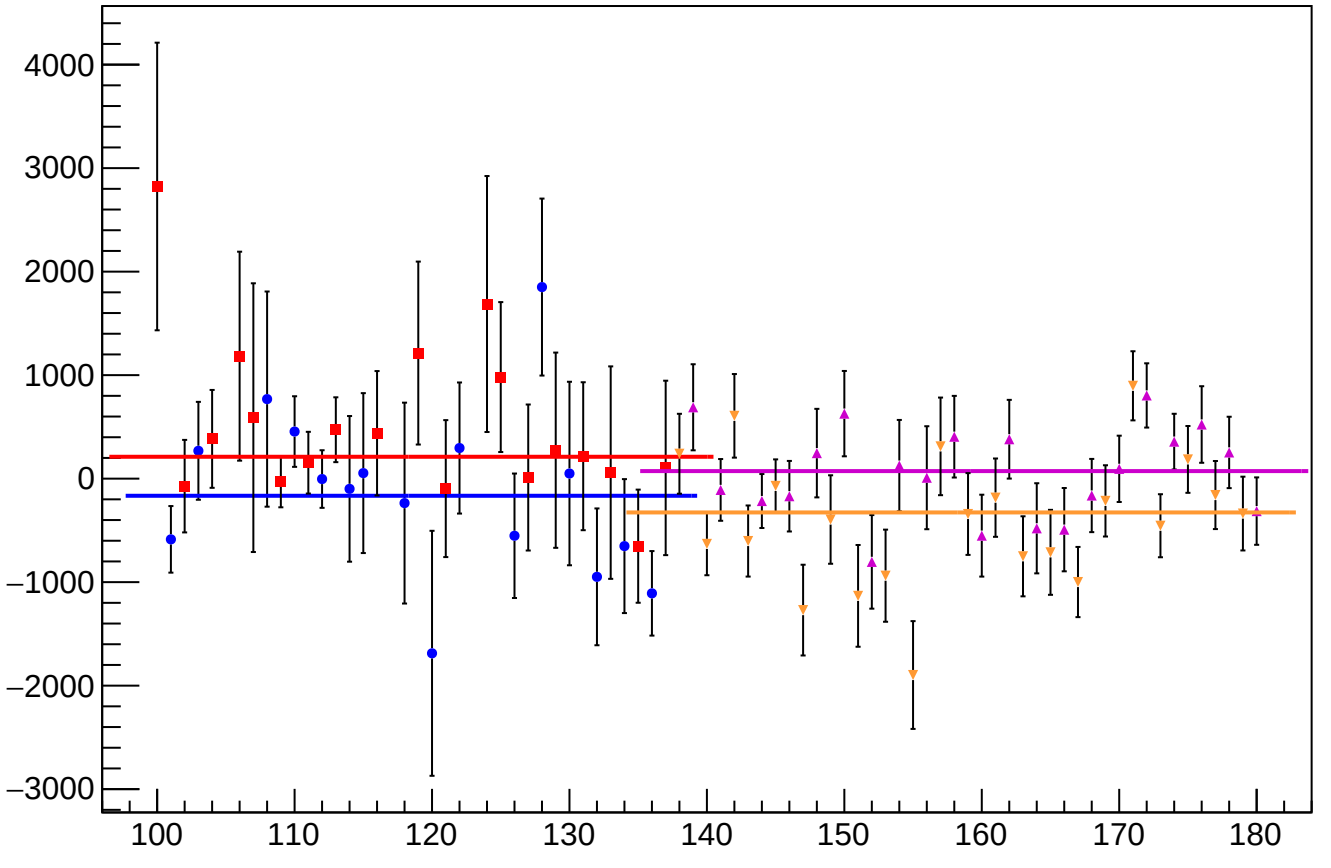
Left: 71.387+/-0.009 χ^2/NDF: 655479.5/42

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.480+/-0.011 χ^2/NDF:1001784.4/36

Out: 71.111+/-0.010 χ^2/NDF:1270308.2/40

All: 71.777+/-0.007 χ^2/NDF: 2280779.4/77



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.599+/-77.823 χ^2/NDF:53.0/21

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 72.887+/-78.083 χ^2/NDF:27.8/20

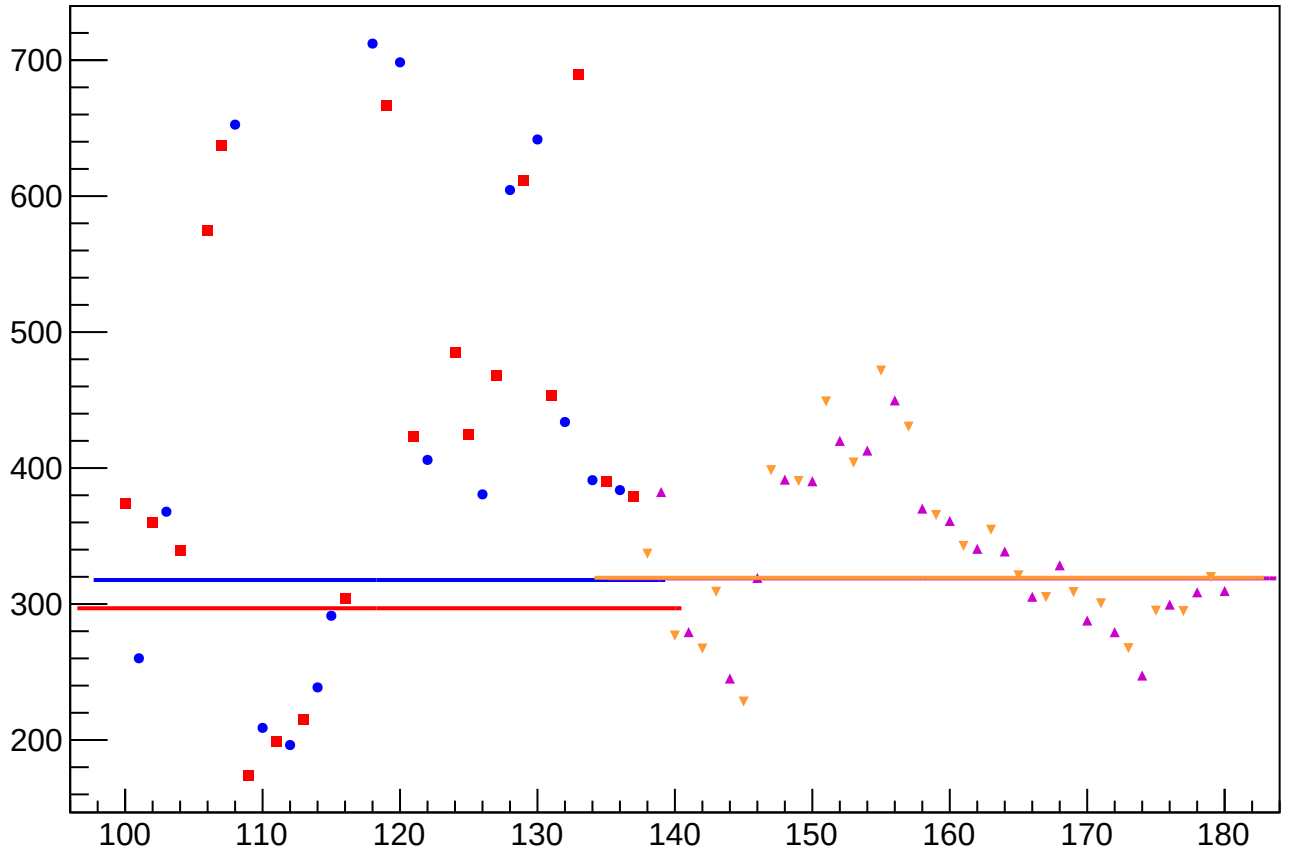
Left: -127.522+/-55.121 χ^2/NDF: 93.9/42

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 8.556+/-66.720 χ^2/NDF:52.9/36

Out: -167.560+/-65.313 χ^2/NDF:80.7/40

All: -81.378+/-46.673 χ^2/NDF: 137.2/77



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.318+/-0.055 χ^2/NDF:1089102.4/21

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 318.866+/-0.055 χ^2/NDF:960679.3/20

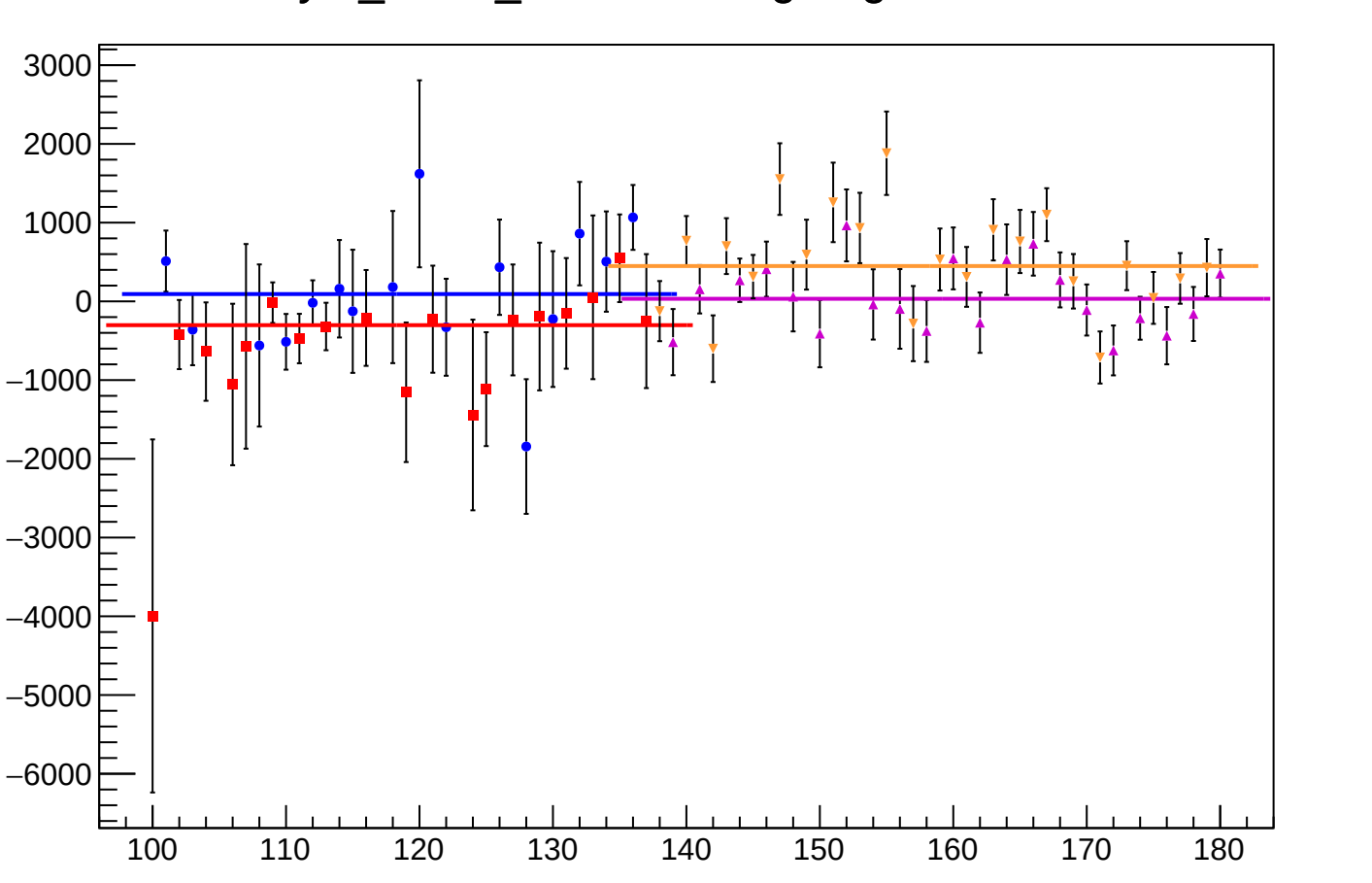
Left: 319.092+/-0.039 χ^2/NDF: 2049815.3/42

Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

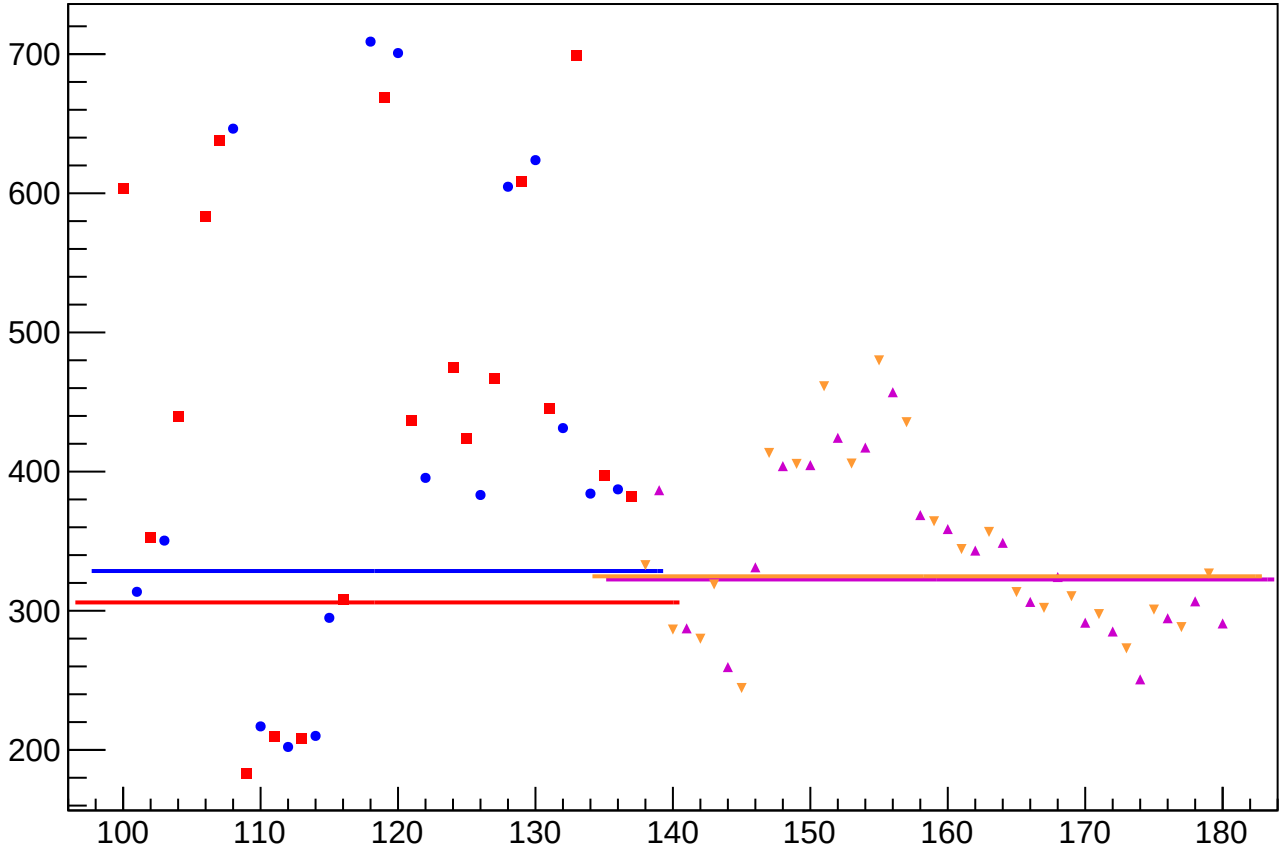
In: 318.541+/-0.047 χ^2/NDF:3097032.0/36

Out: 312.686+/-0.046 χ^2/NDF:3679276.1/40

All: 315.551+/-0.033 χ^2/NDF: 6784172.0/77


asym_sam7_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
180
Right In: 92.803+/-131.927 χ²/NDF: 20.8/15
Left Out: 448.750+/-79.113 χ²/NDF:49.9/21
Right Out: -302.273+/-123.916 χ²/NDF: 10.8/18
Left In: 32.676+/-78.919 χ²/NDF:25.5/20
Left: 240.200+/-55.873 χ²/NDF: 89.3/42
Right: -117.093+/-90.322 χ²/NDF: 36.4/34
In: 48.522+/-67.726 χ²/NDF:46.5/36
Out: 231.273+/-66.682 χ²/NDF:86.8/40
All: 141.316+/-47.516 χ²/NDF: 137.0/77

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.758+/-0.056 χ^2/NDF:1014519.5/21

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 322.496+/-0.056 χ^2/NDF:933986.2/20

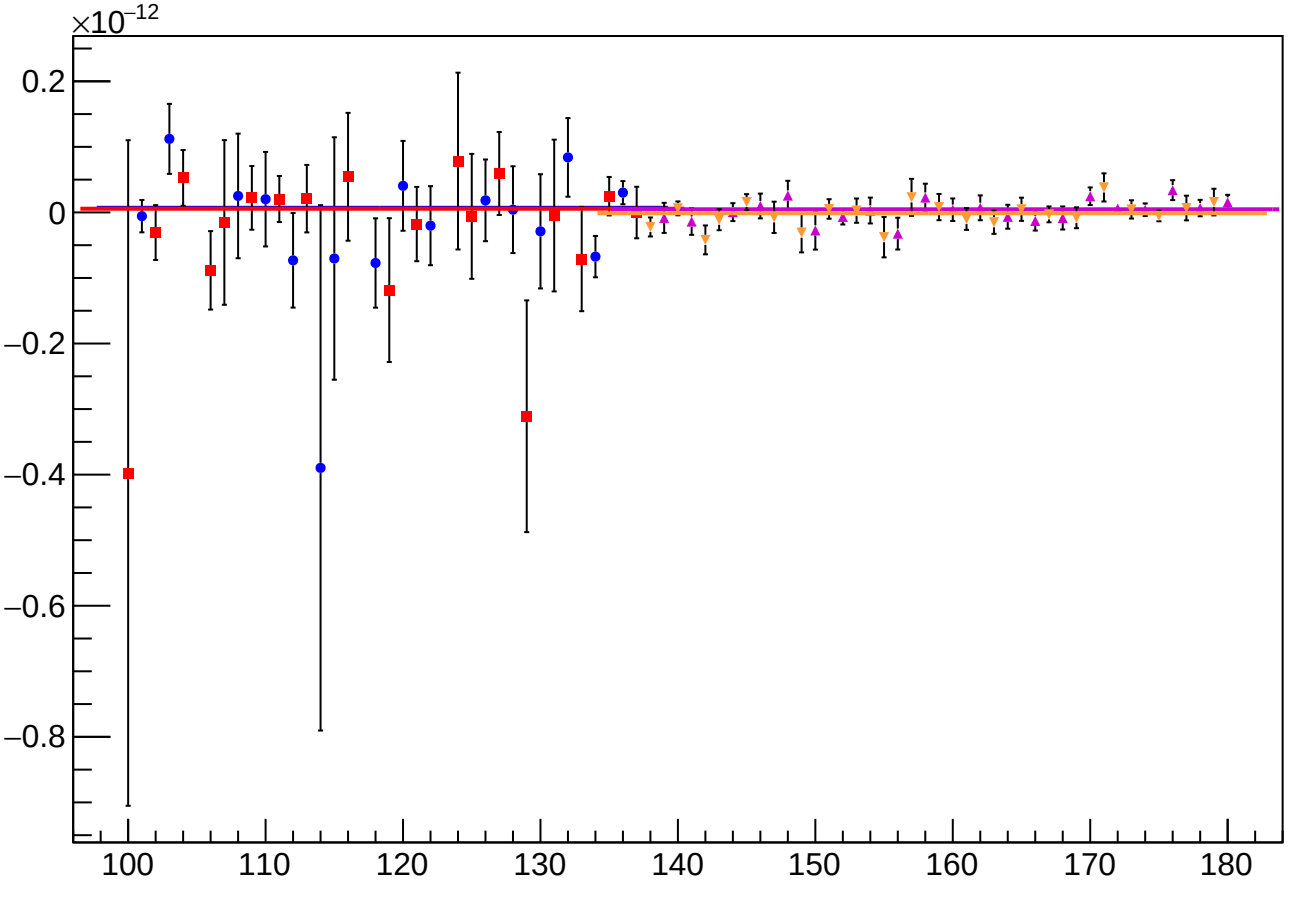
Left: 323.625+/-0.040 χ^2/NDF: 1949325.3/42

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 324.096+/-0.048 χ^2/NDF:2895978.0/36

Out: 319.323+/-0.047 χ^2/NDF:3574583.7/40

All: 321.672+/-0.034 χ^2/NDF: 6475605.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/20

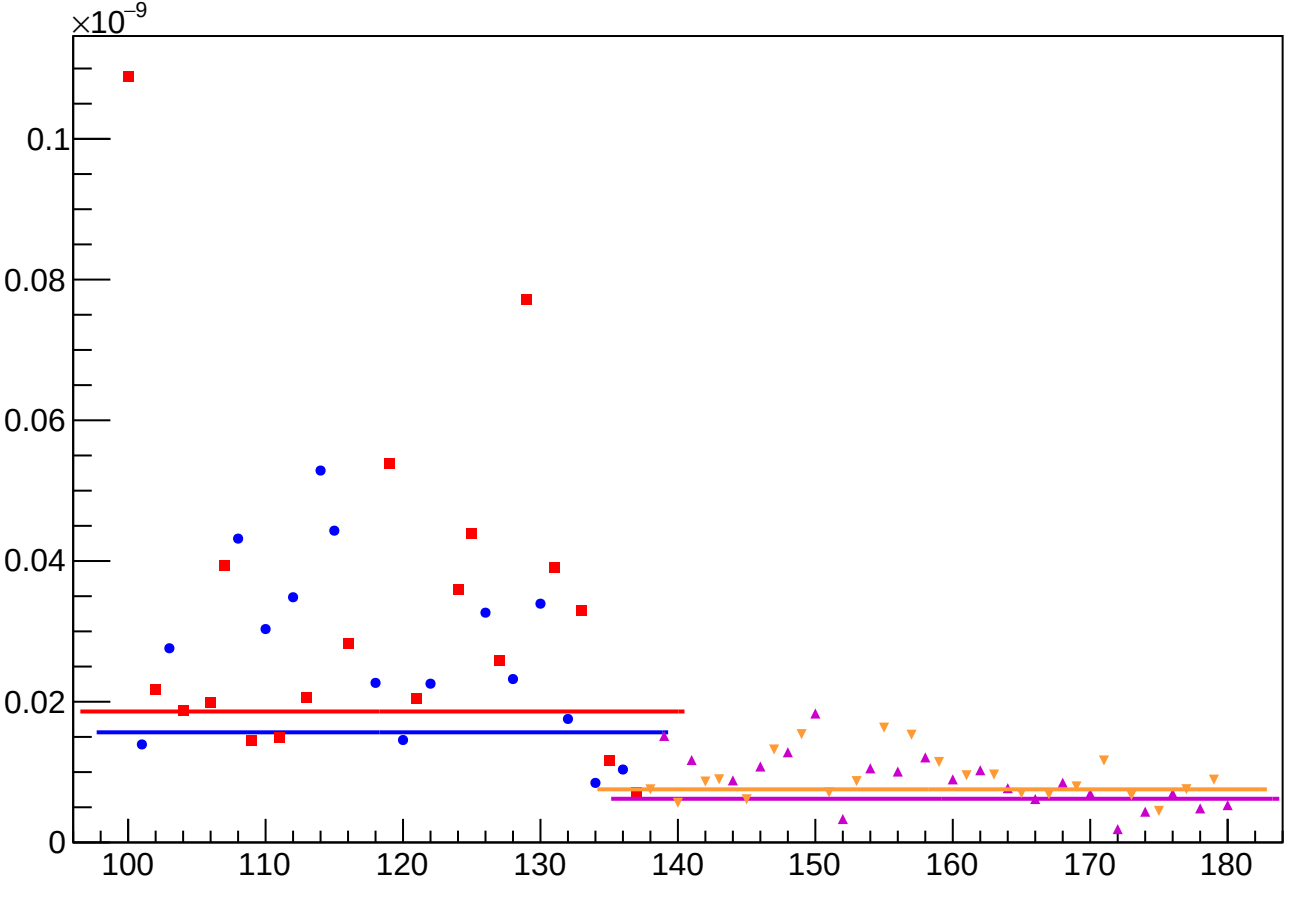
Left: 0.000+/-0.000 χ^2/NDF: 36.4/42

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:34.4/36

Out: -0.000+/-0.000 χ^2/NDF:31.0/40

All: 0.000+/-0.000 χ^2/NDF: 67.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1202489.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2739180.3/20

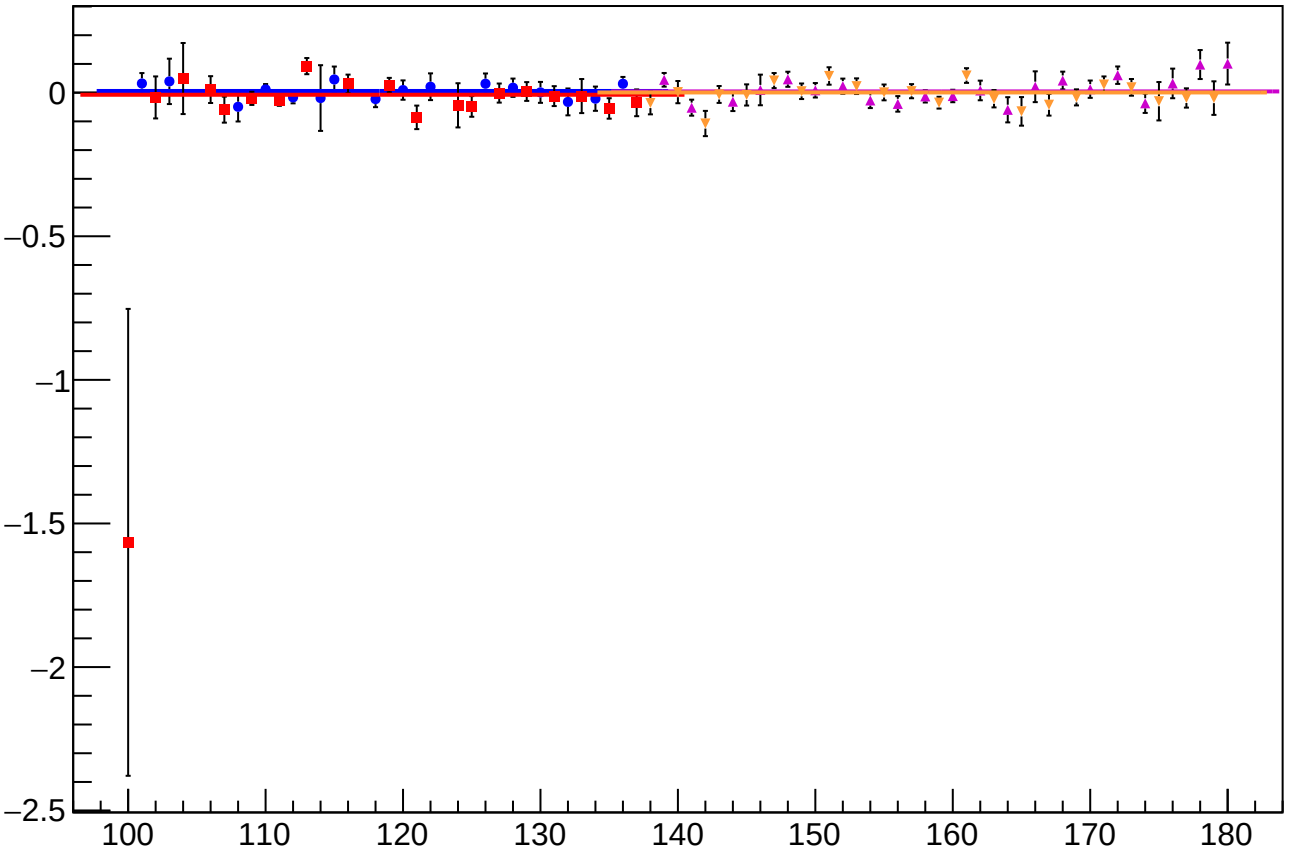
Left: 0.000+/-0.000 χ^2/NDF: 4115764.9/42

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5281122.0/36

Out: 0.000+/-0.000 χ^2/NDF:3823426.9/40

All: 0.000+/-0.000 χ^2/NDF: 9290095.4/77



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:30.7/20

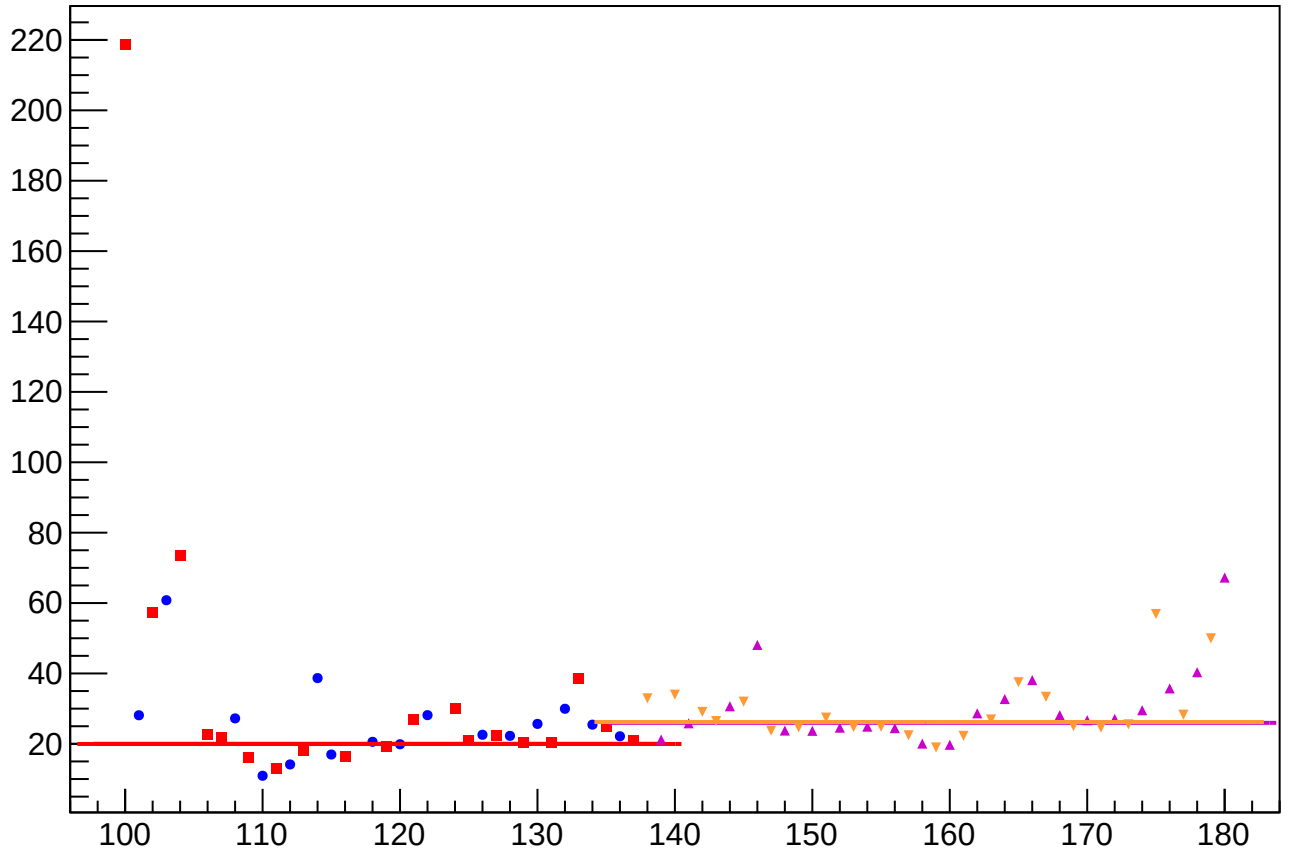
Left: 0.003+/-0.005 χ^2/NDF: 58.8/42

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:38.6/36

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 98.0/77



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

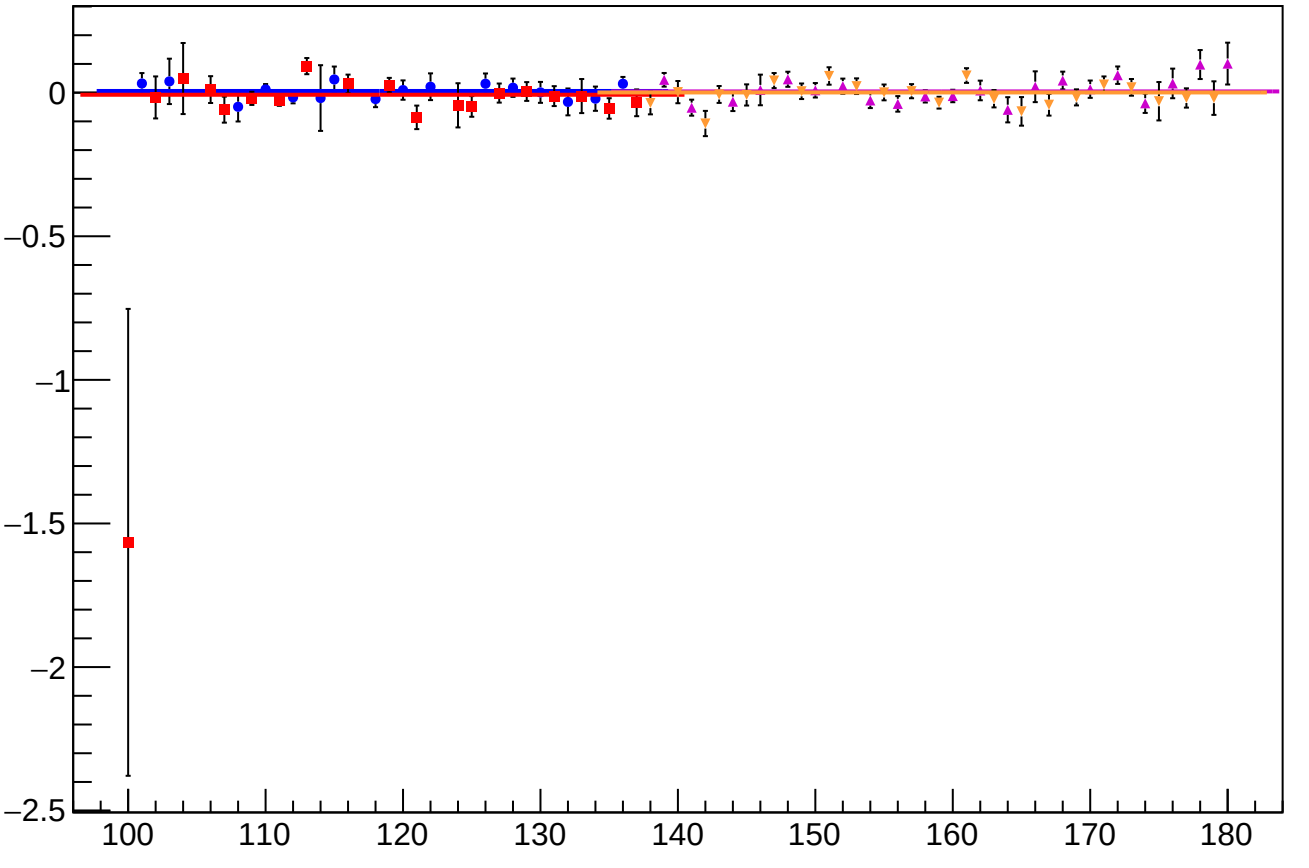
Left: 26.084+/-0.003 χ^2/NDF: 3427204.5/42

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.591+/-0.004 χ^2/NDF:4186283.8/36

Out: 23.721+/-0.004 χ^2/NDF:3955482.7/40

All: 23.657+/-0.003 χ^2/NDF: 8142412.9/77



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:30.7/20

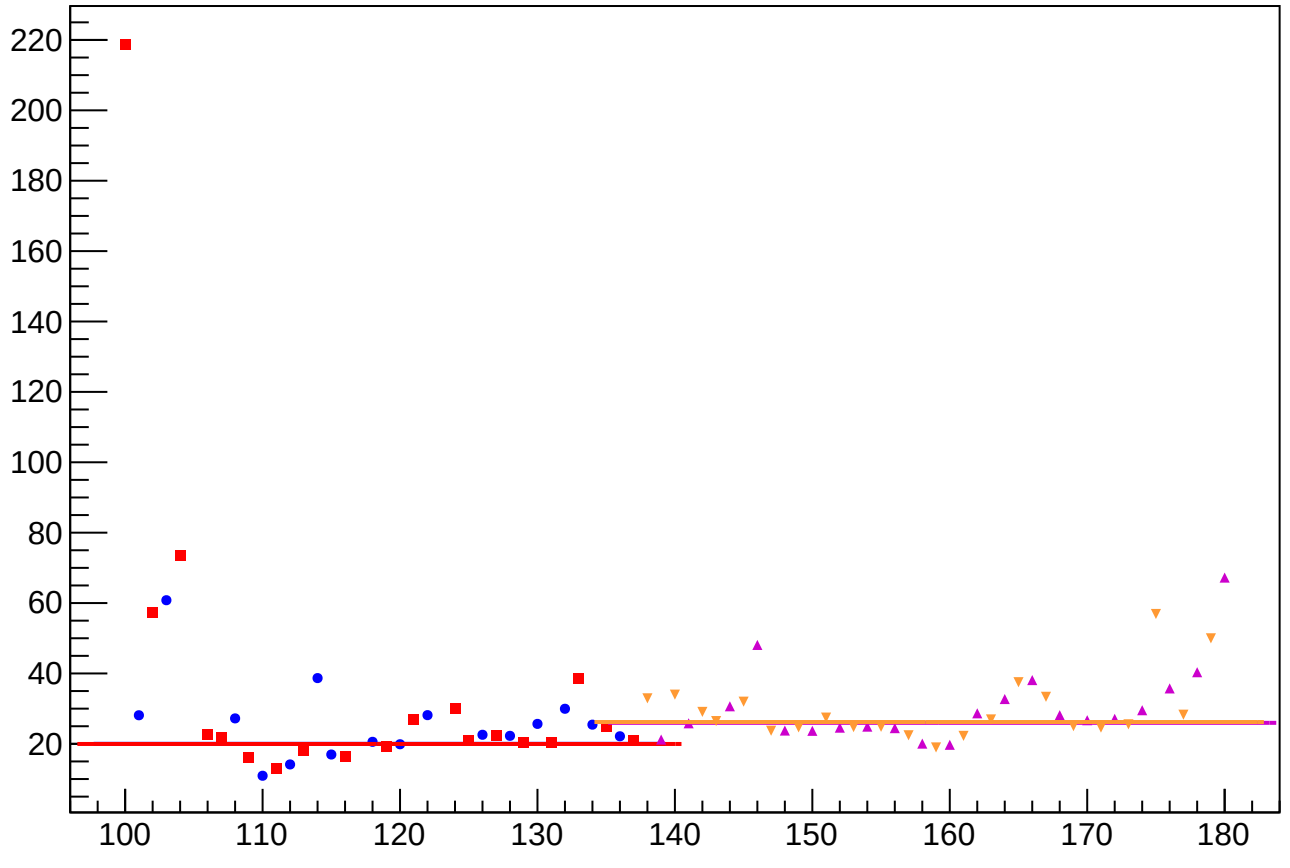
Left: 0.003+/-0.005 χ^2/NDF: 58.8/42

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:38.6/36

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 98.0/77



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.966+/-0.005 χ^2/NDF:1902720.1/20

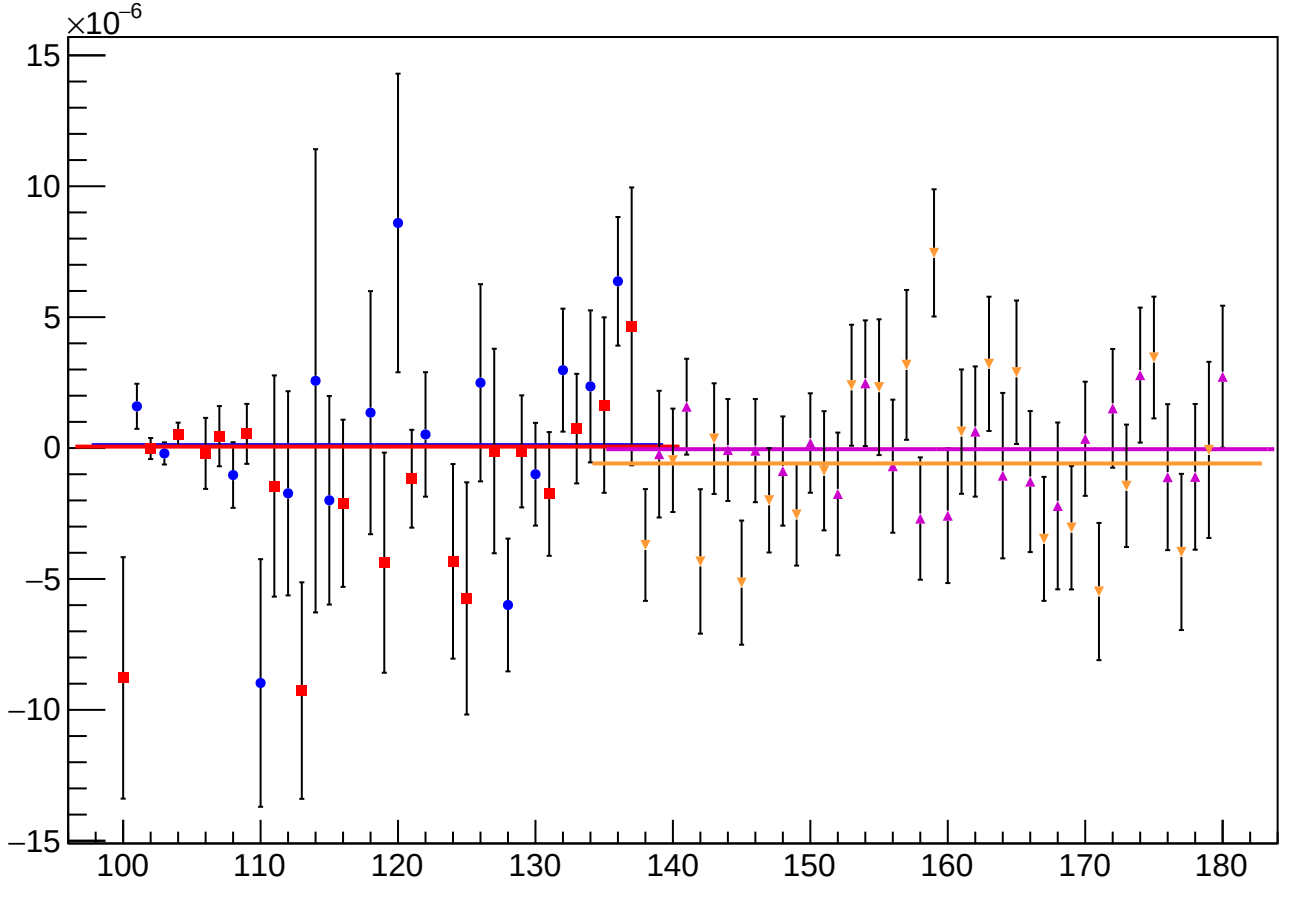
Left: 26.084+/-0.003 χ^2/NDF: 3427204.5/42

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.591+/-0.004 χ^2/NDF:4186283.8/36

Out: 23.721+/-0.004 χ^2/NDF:3955482.7/40

All: 23.657+/-0.003 χ^2/NDF: 8142412.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/20

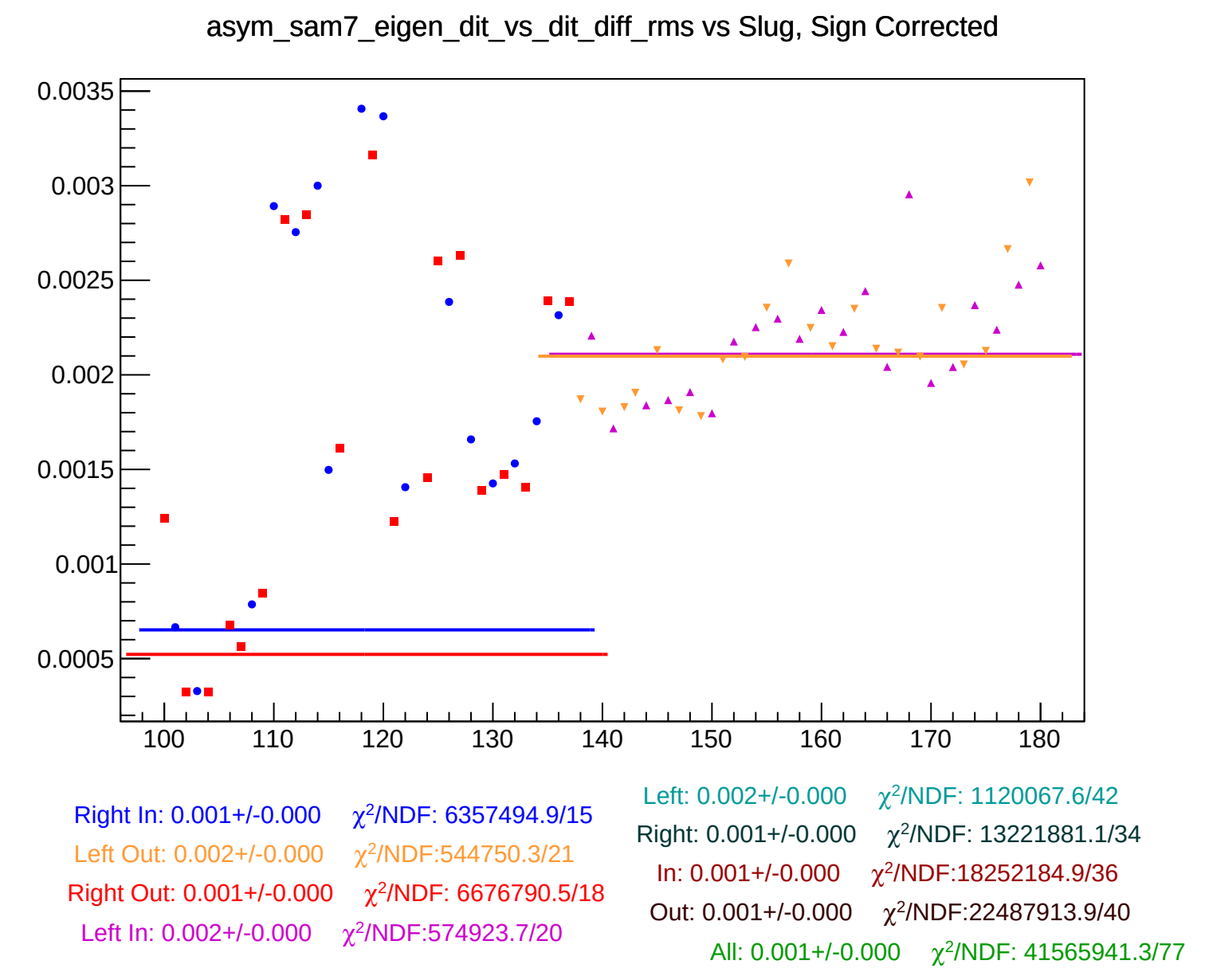
Left: -0.000+/-0.000 χ^2/NDF: 49.0/42

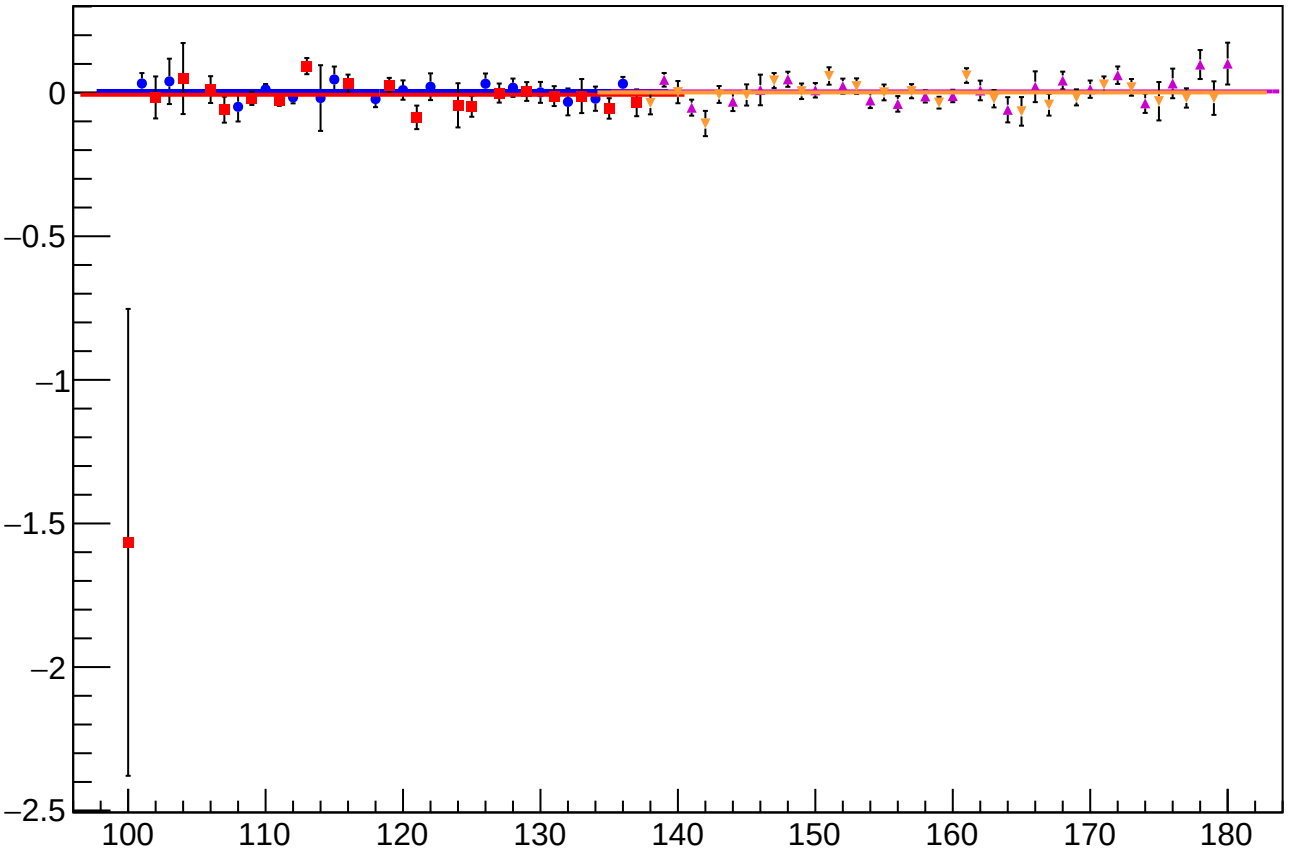
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/36

Out: -0.000+/-0.000 χ^2/NDF:58.0/40

All: -0.000+/-0.000 χ^2/NDF: 93.0/77


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
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:544750.3/21
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:574923.7/20
Left: 0.002+/-0.000 χ²/NDF: 1120067.6/42
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:18252184.9/36
Out: 0.001+/-0.000 χ²/NDF:22487913.9/40
All: 0.001+/-0.000 χ²/NDF: 41565941.3/77



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:30.7/20

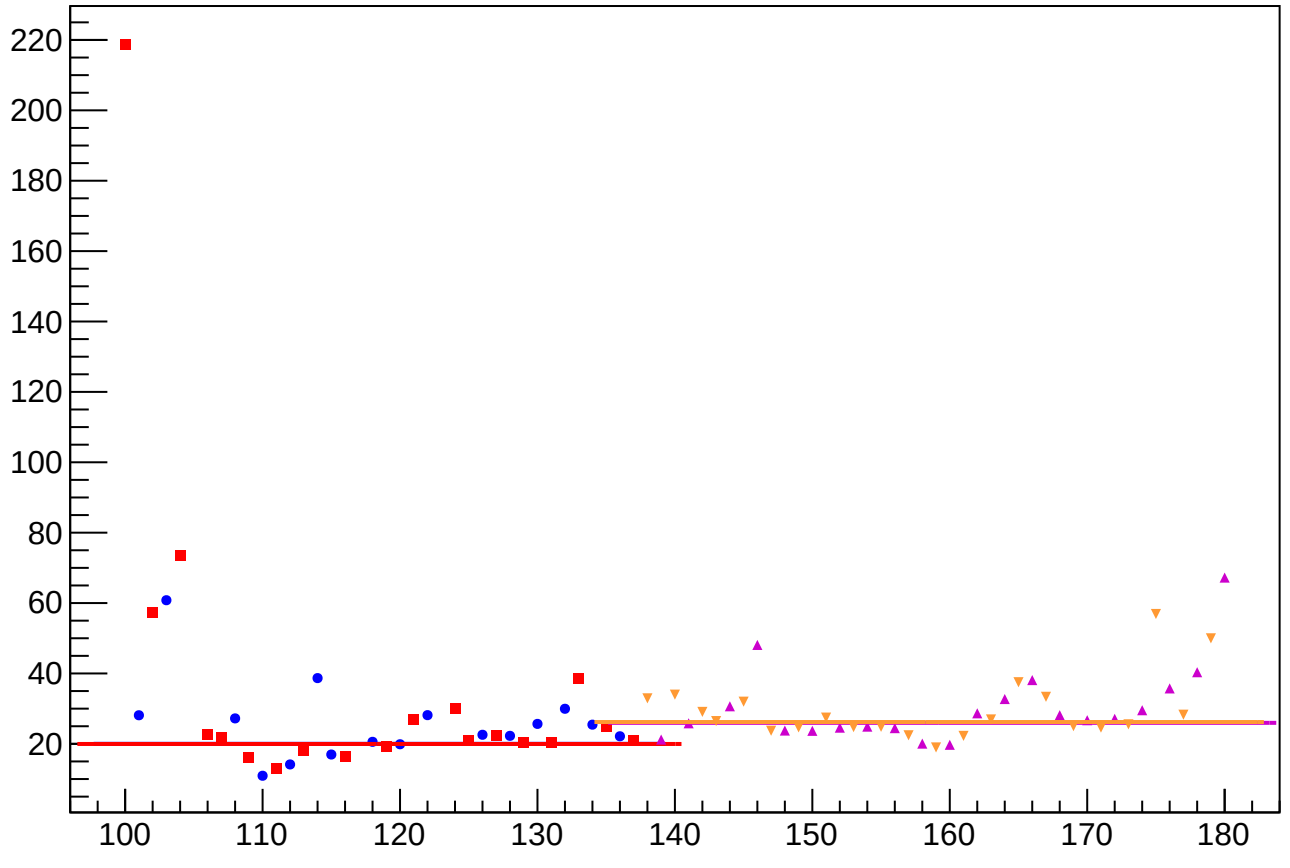
Left: 0.003+/-0.005 χ^2/NDF: 58.8/42

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:38.6/36

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 98.0/77



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

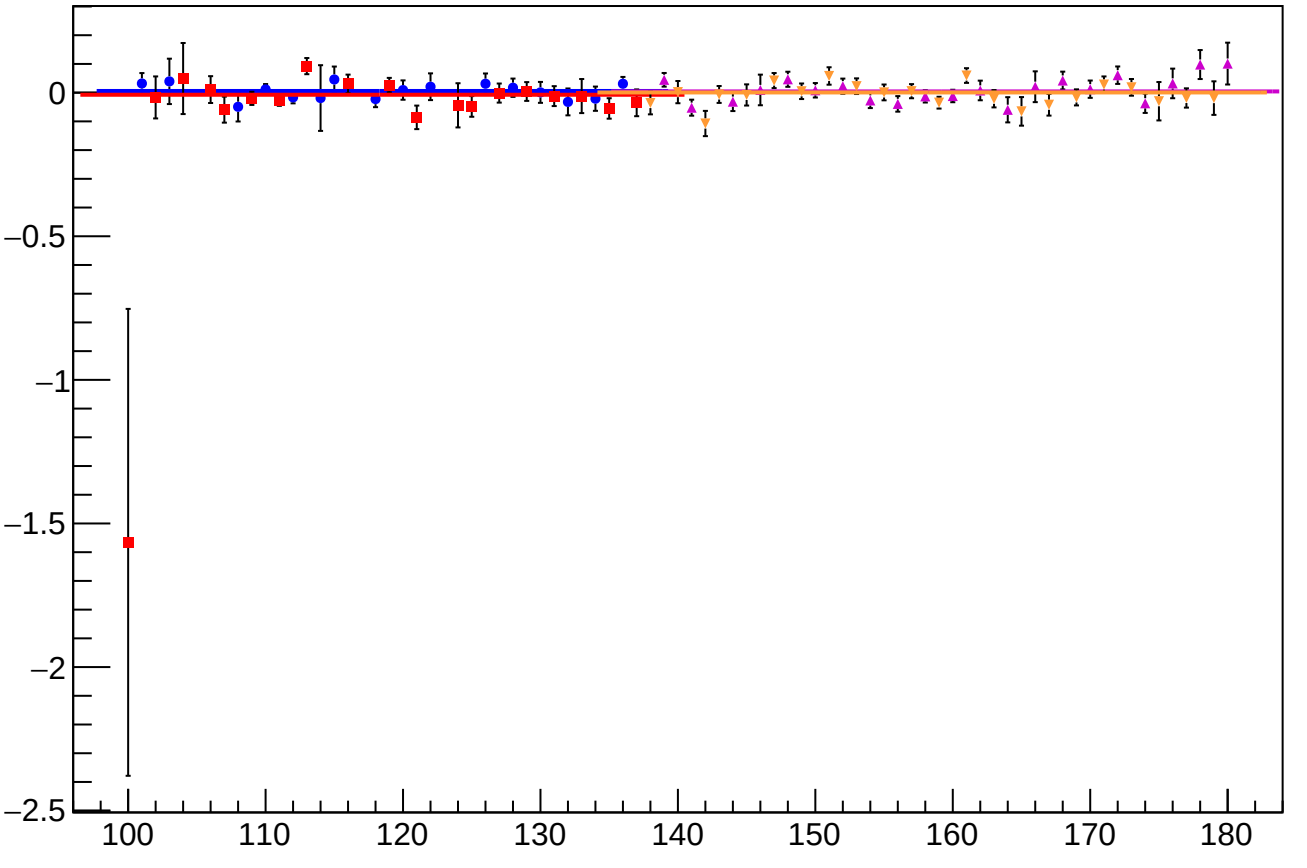
Left: 26.084+/-0.003 χ^2/NDF: 3427323.9/42

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.591+/-0.004 χ^2/NDF:4186063.2/36

Out: 23.721+/-0.004 χ^2/NDF:3955435.2/40

All: 23.657+/-0.003 χ^2/NDF: 8142143.3/77



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.007 χ^2/NDF:30.7/20

Left: 0.003+/-0.005 χ^2/NDF: 58.8/42

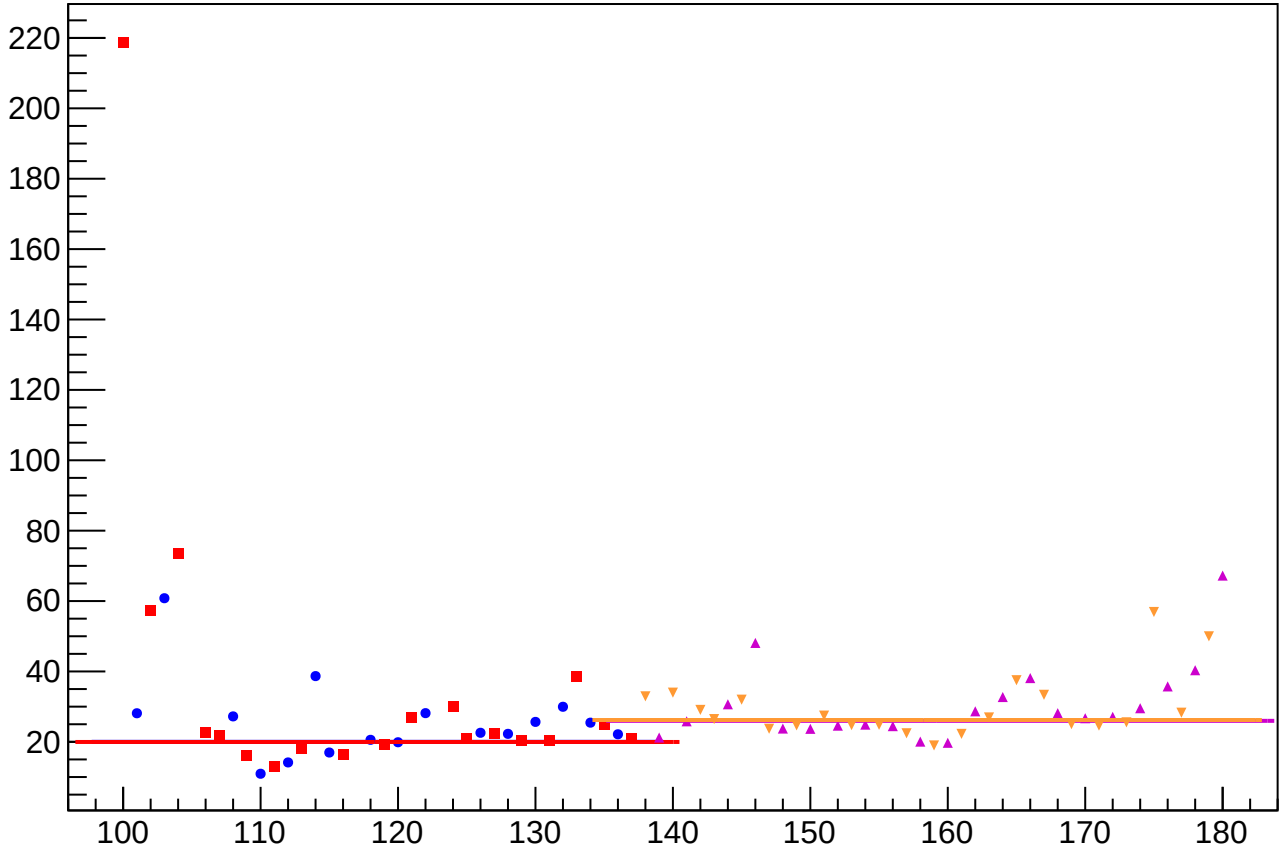
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.005+/-0.005 χ^2/NDF:38.6/36

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 98.0/77

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: 26.199+/-0.005 χ^2/NDF:1523294.3/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.966+/-0.005 χ^2/NDF:1902791.6/20

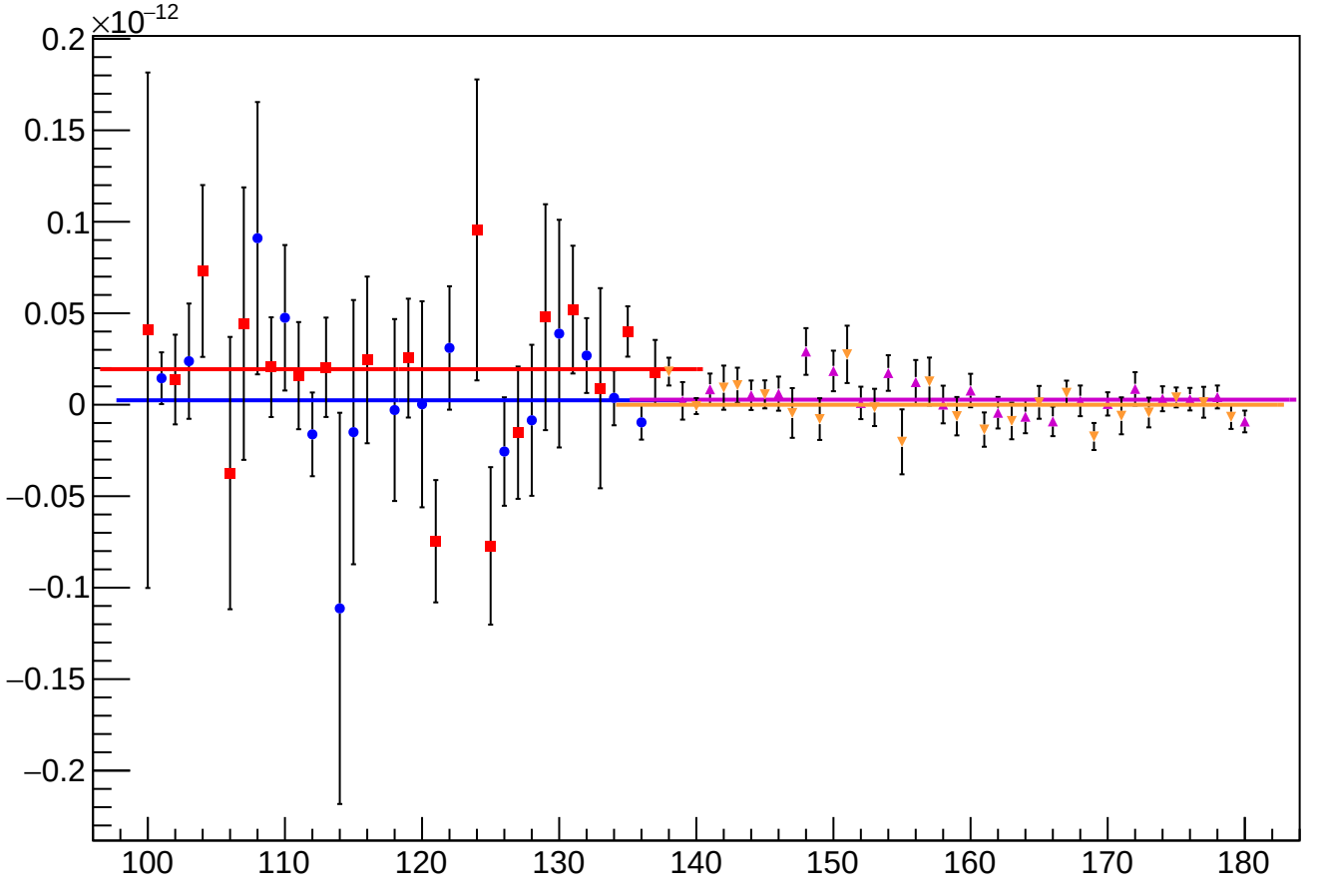
Left: 26.084+/-0.003 χ^2/NDF: 3427323.9/42

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.591+/-0.004 χ^2/NDF:4186063.2/36

Out: 23.721+/-0.004 χ^2/NDF:3955435.2/40

All: 23.657+/-0.003 χ^2/NDF: 8142143.3/77



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

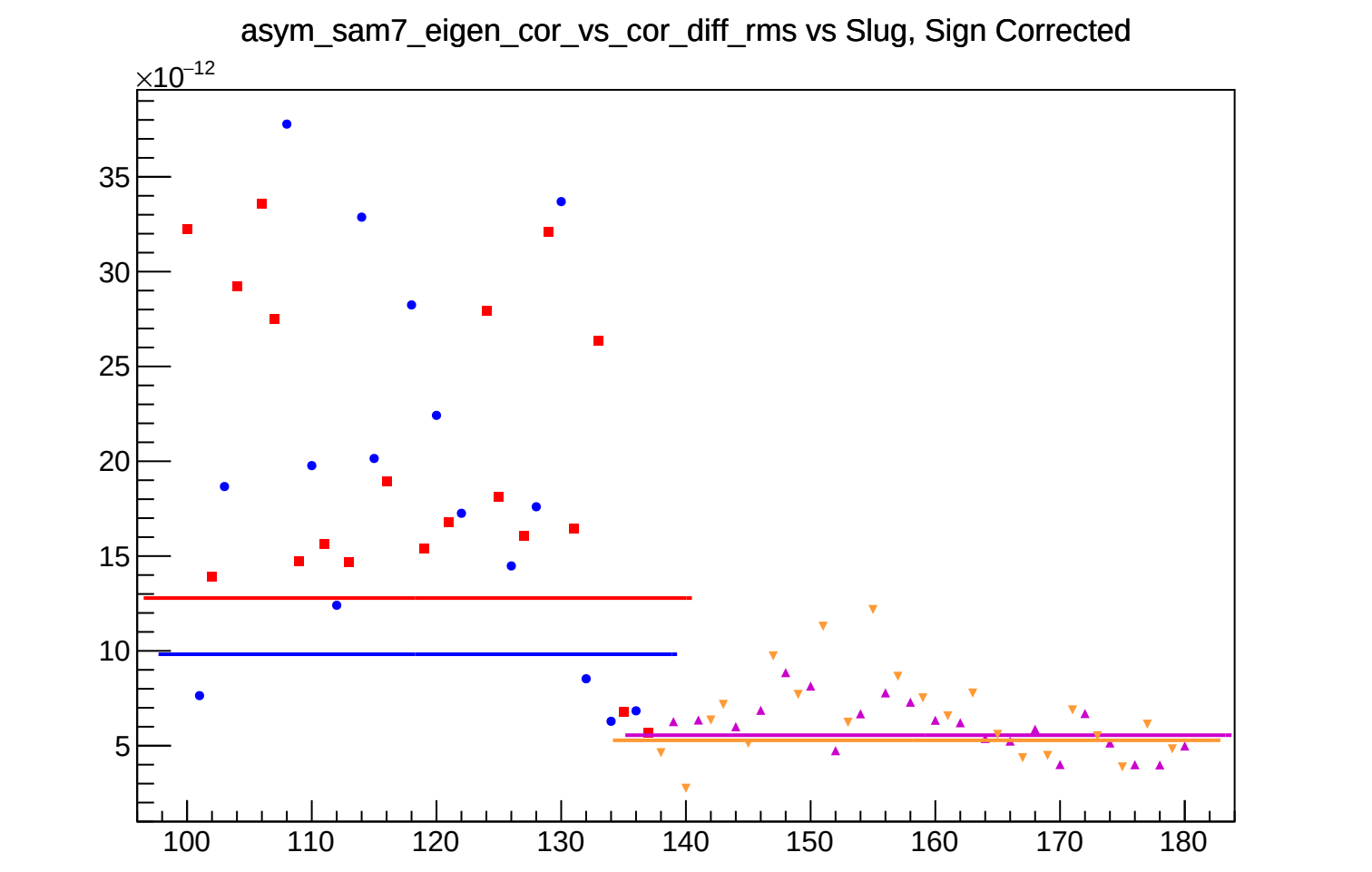
Left: 0.000+/-0.000 χ^2/NDF: 45.9/42

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:29.6/36

Out: 0.000+/-0.000 χ^2/NDF:53.3/40

All: 0.000+/-0.000 χ^2/NDF: 83.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2371073.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:947534.3/20

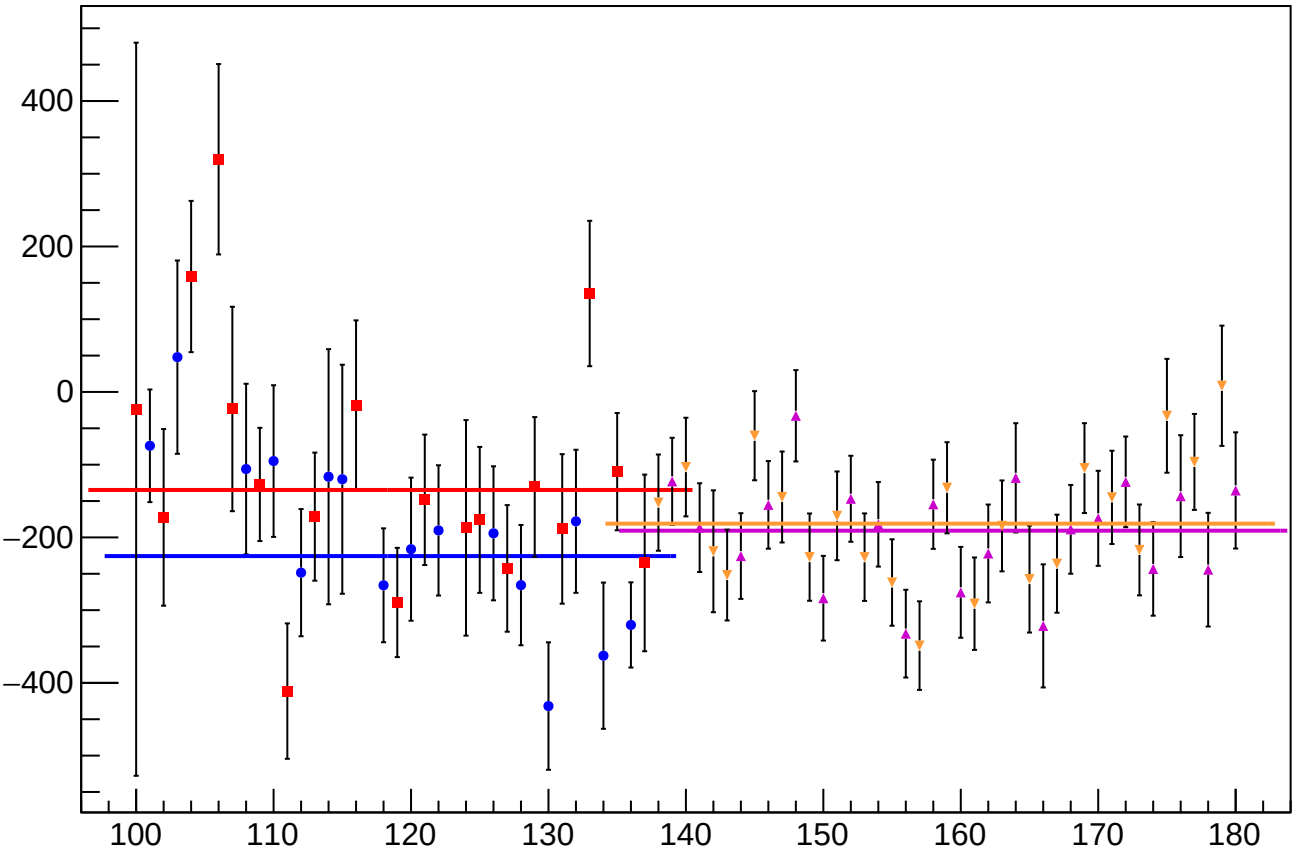
Left: 0.000+/-0.000 χ^2/NDF: 3341767.8/42

Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

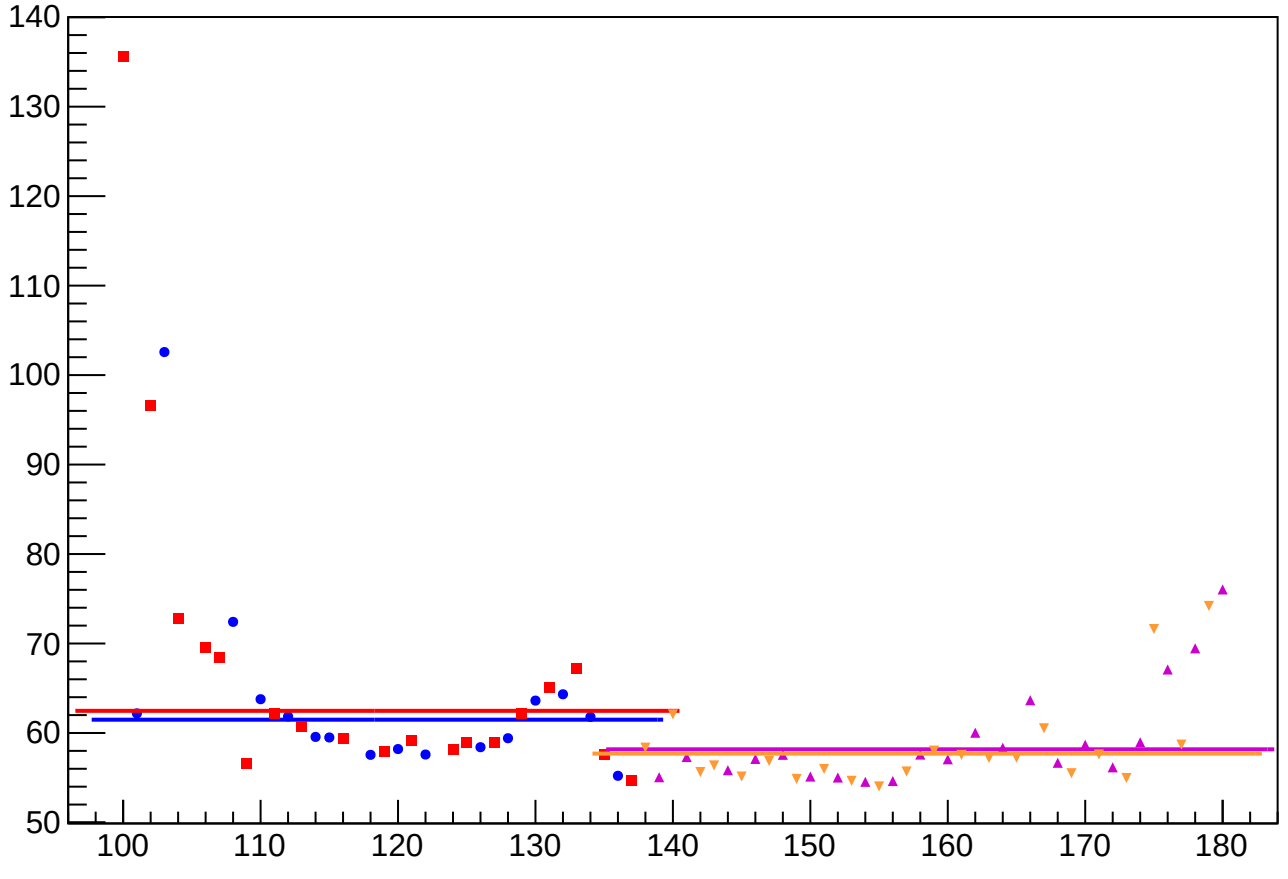
In: 0.000+/-0.000 χ^2/NDF:3940241.8/36

Out: 0.000+/-0.000 χ^2/NDF:6296521.5/40

All: 0.000+/-0.000 χ^2/NDF: 10252225.1/77


reg_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -181.071+/-13.858 χ²/NDF:35.9/21
Right Out: -134.762+/-23.192 χ²/NDF: 45.3/18
Left In: -190.765+/-14.083 χ²/NDF:25.9/20
Left: -185.840+/-9.878 χ²/NDF: 62.0/42
Right: -180.371+/-16.373 χ²/NDF: 75.6/34
In: -200.218+/-12.027 χ²/NDF:50.1/36
Out: -168.887+/-11.896 χ²/NDF:84.1/40
All: -184.381+/-8.458 χ²/NDF: 137.7/77

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

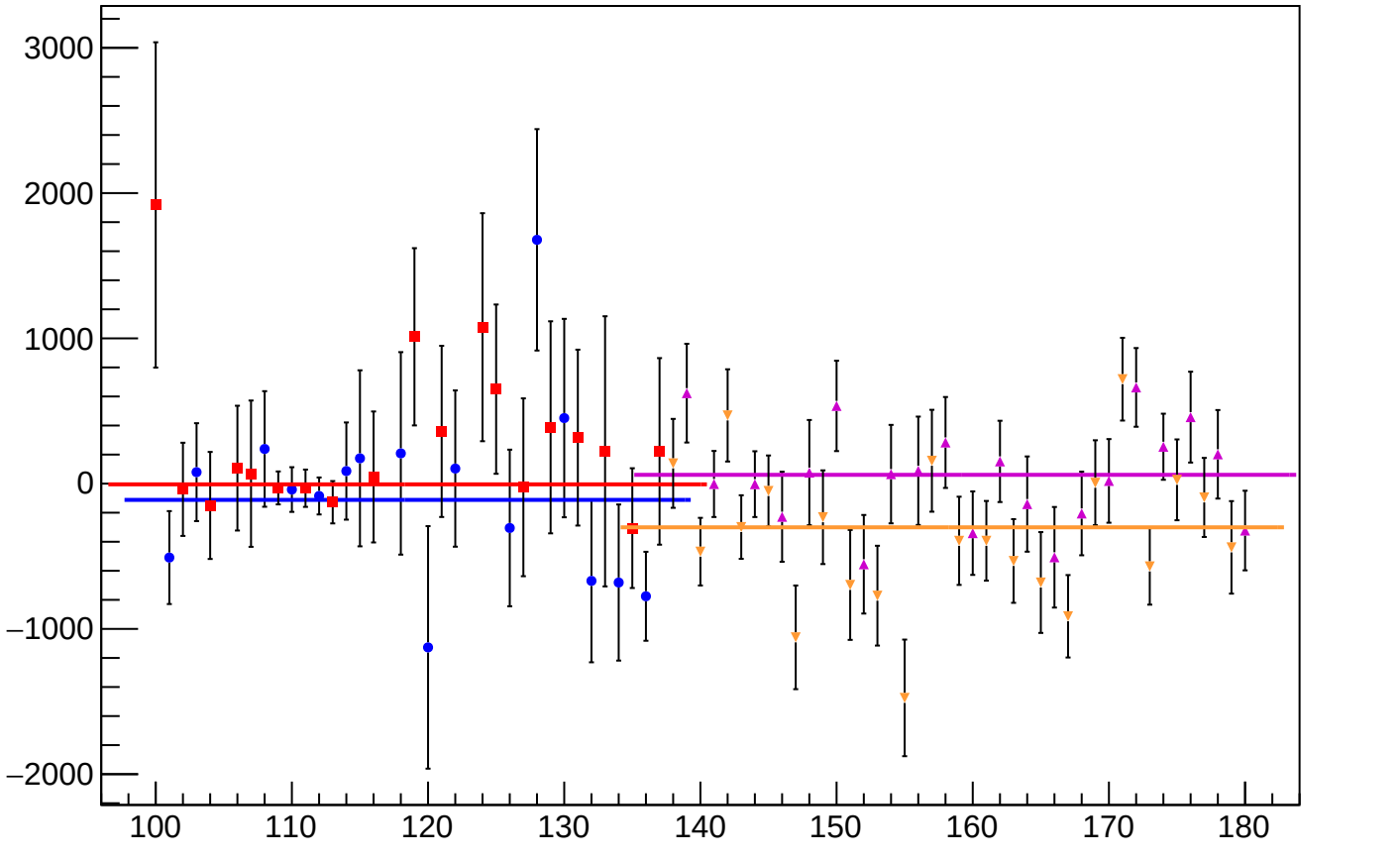
Left: 57.931+/-0.007 χ^2/NDF: 404822.1/42

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.071+/-0.009 χ^2/NDF:495178.9/36

Out: 58.952+/-0.008 χ^2/NDF:532834.6/40

All: 59.011+/-0.006 χ^2/NDF: 1028112.3/77



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -300.686+/-62.545 χ^2/NDF:51.1/21

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 60.595+/-63.936 χ^2/NDF:25.3/20

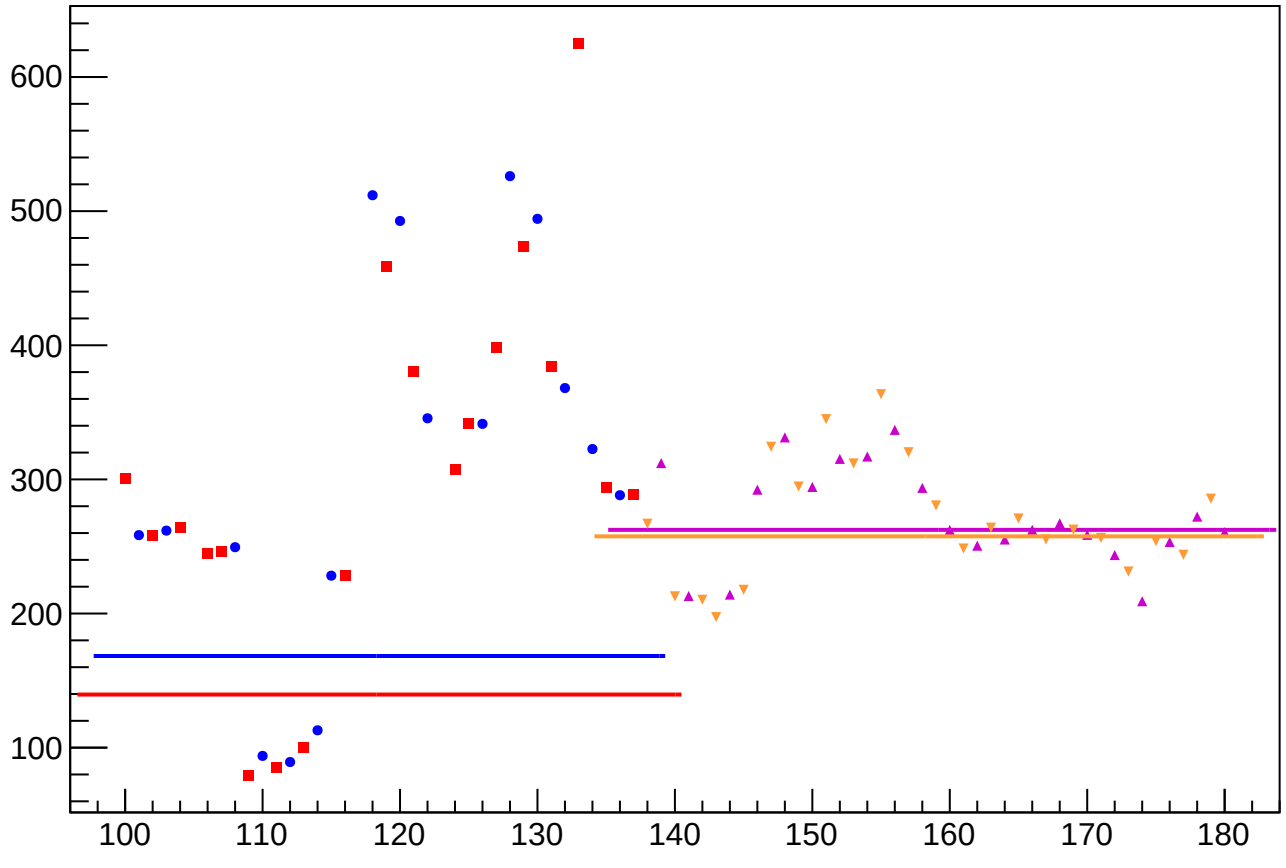
Left: -124.019+/-44.710 χ^2/NDF: 92.8/42

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -10.652+/-48.982 χ^2/NDF:46.8/36

Out: -156.034+/-44.709 χ^2/NDF:73.7/40

All: -89.961+/-33.021 χ^2/NDF: 125.3/77



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840755.5/21

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.386+/-0.045 χ^2/NDF:669226.8/20

Left: 259.914+/-0.032 χ^2/NDF: 1515832.4/42

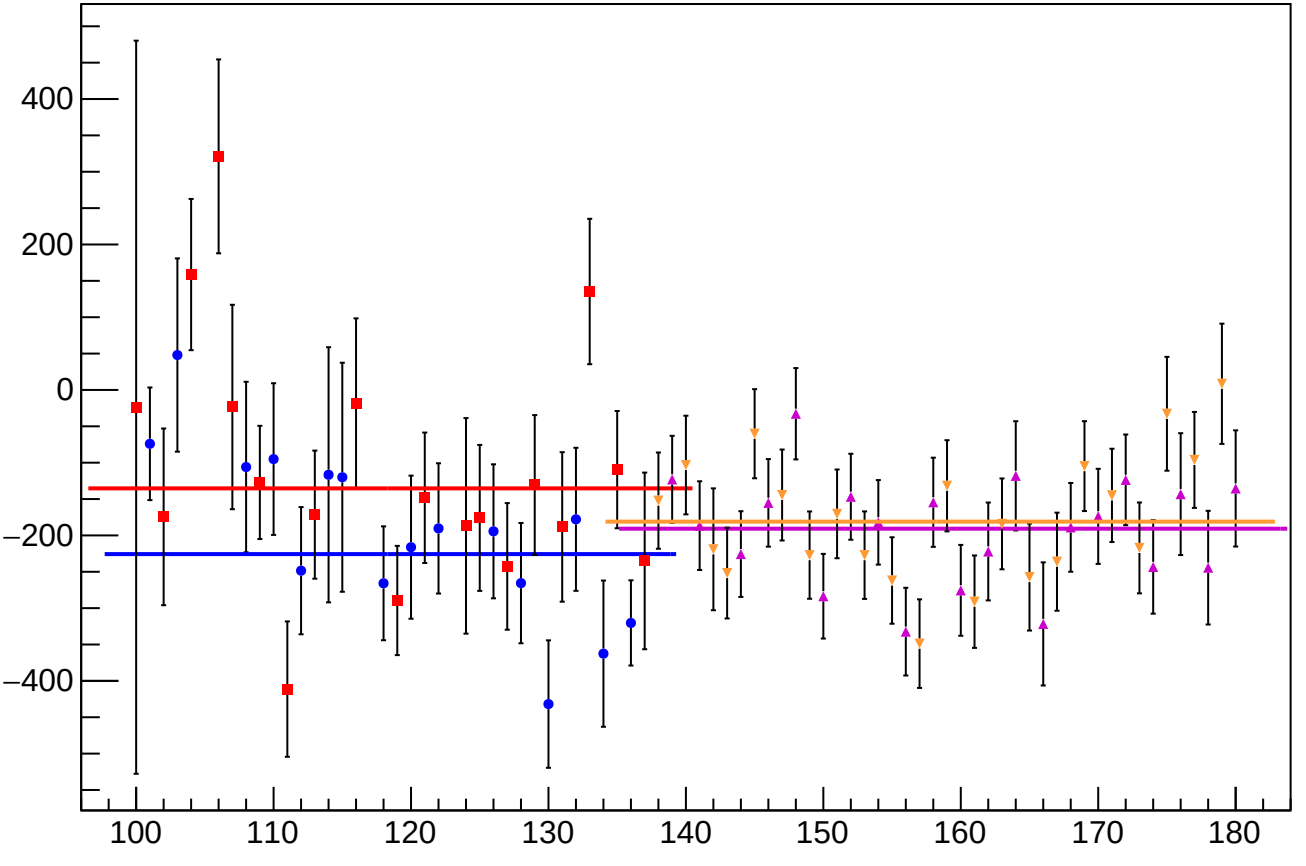
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 223.534+/-0.035 χ^2/NDF:7001143.1/36

Out: 199.865+/-0.032 χ^2/NDF:9473557.4/40

All: 210.622+/-0.023 χ^2/NDF: 16729452.4/77

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.766+/-14.083 χ^2/NDF:25.9/20

Left: -185.839+/-9.878 χ^2/NDF: 62.0/42

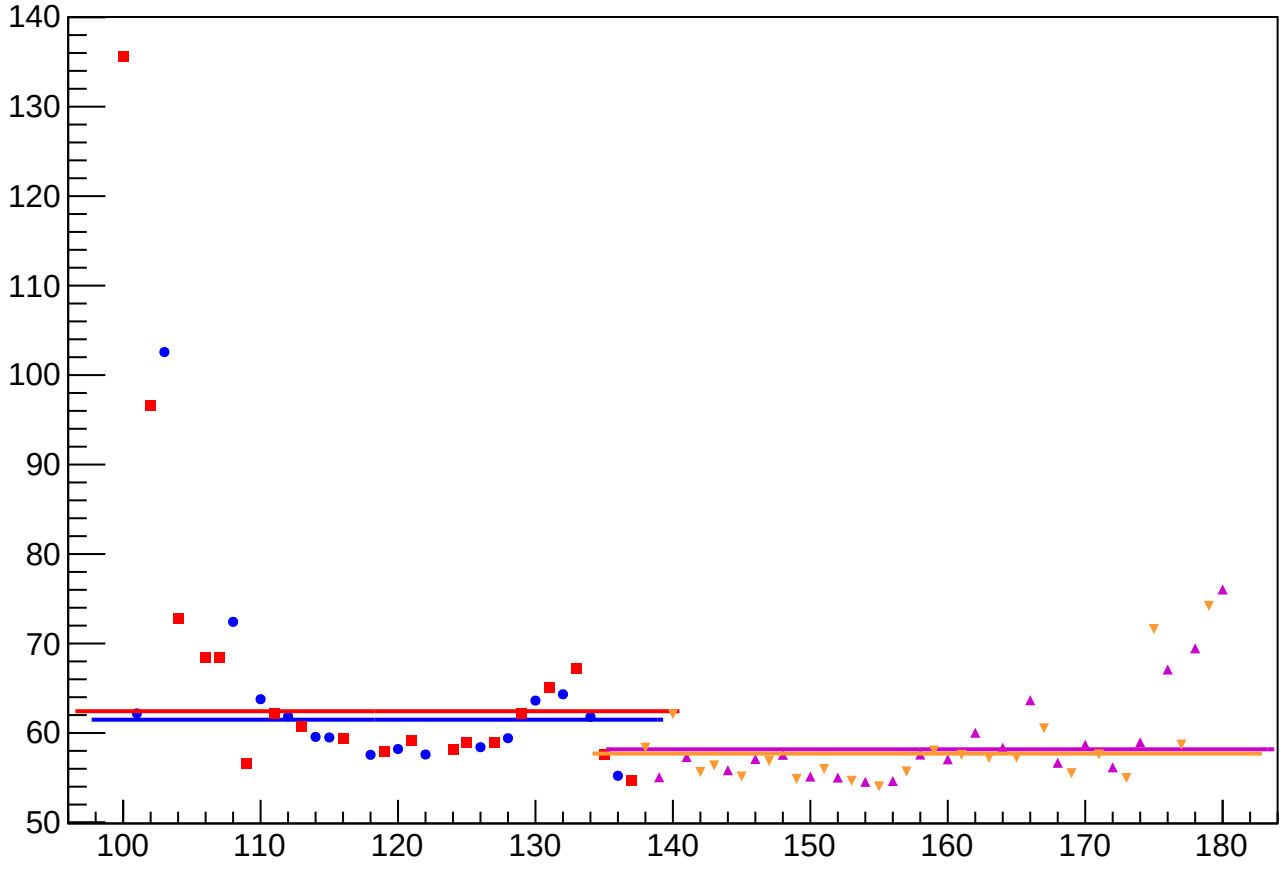
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.218+/-12.027 χ^2/NDF:50.1/36

Out: -169.039+/-11.898 χ^2/NDF:83.7/40

All: -184.460+/-8.458 χ^2/NDF: 137.2/77

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

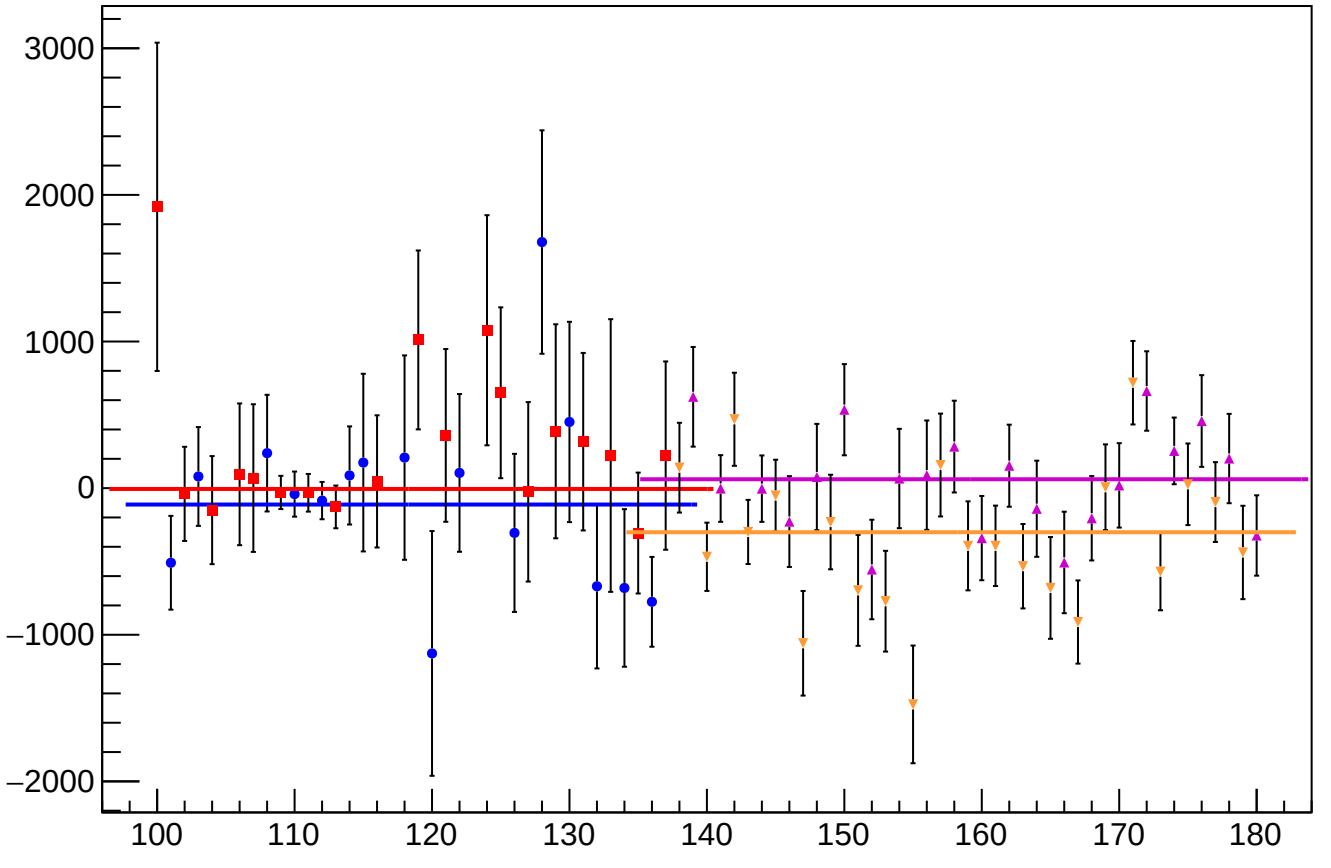
Left: 57.931+/-0.007 χ^2/NDF: 404822.1/42

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.071+/-0.009 χ^2/NDF:495181.5/36

Out: 58.940+/-0.008 χ^2/NDF:529919.0/40

All: 59.005+/-0.006 χ^2/NDF: 1025220.9/77



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 60.592+/-63.936 χ^2/NDF:25.3/20

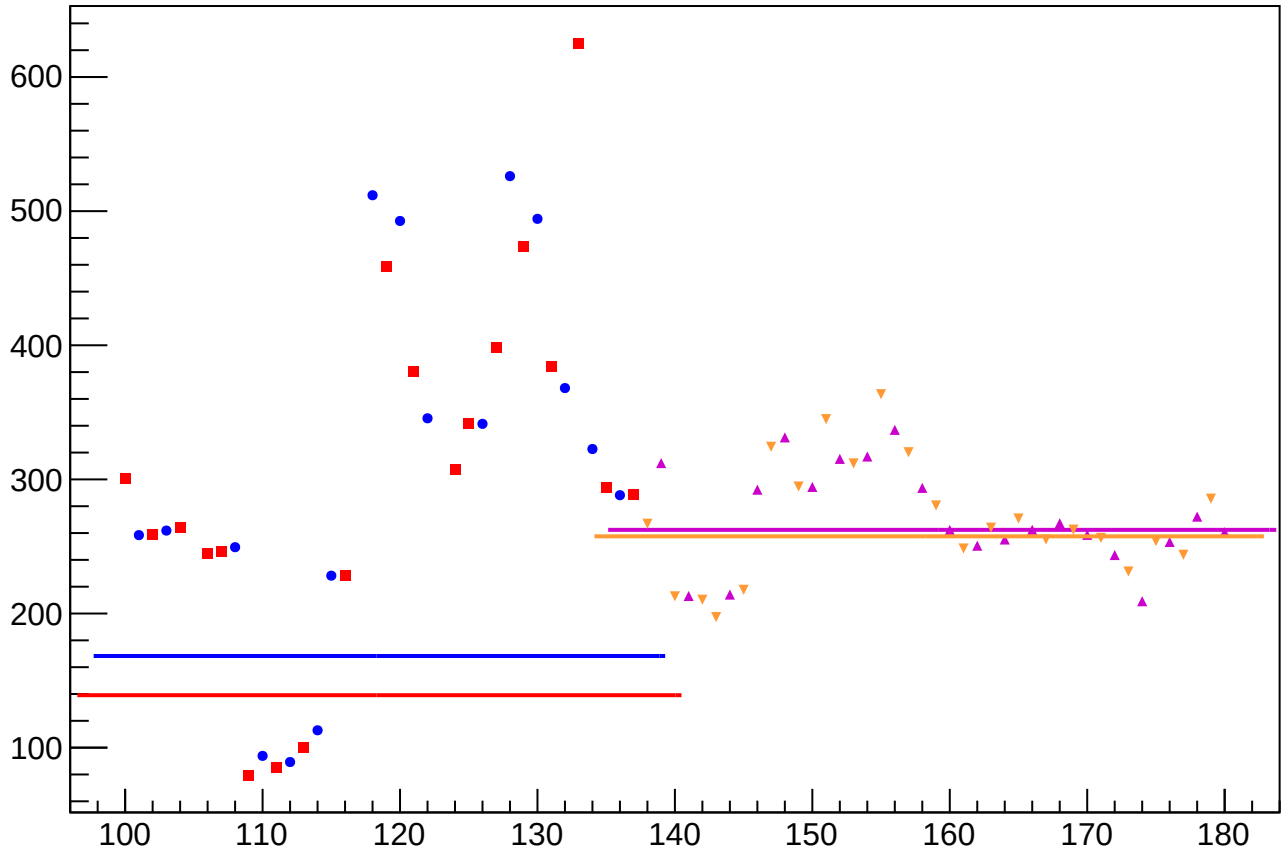
Left: -124.019+/-44.710 χ^2/NDF: 92.8/42

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -10.645+/-48.982 χ^2/NDF:46.8/36

Out: -156.737+/-44.760 χ^2/NDF:73.6/40

All: -90.257+/-33.042 χ^2/NDF: 125.3/77



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

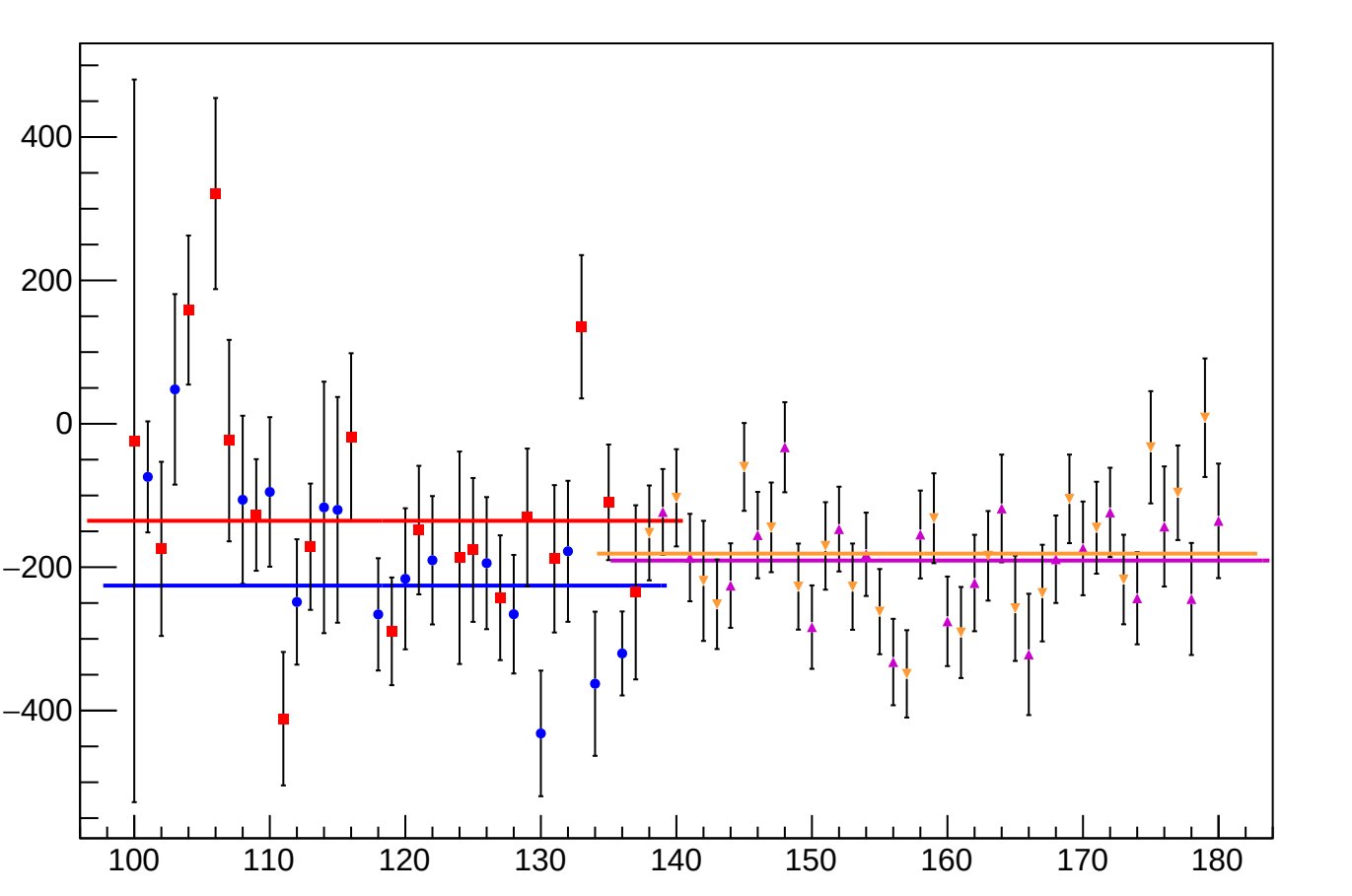
Left: 259.914+/-0.032 χ^2/NDF: 1515833.1/42

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 223.534+/-0.035 χ^2/NDF:7001175.6/36

Out: 199.766+/-0.032 χ^2/NDF:9469777.2/40

All: 210.582+/-0.023 χ^2/NDF: 16727563.5/77



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.766+/-14.083 χ^2/NDF:25.9/20

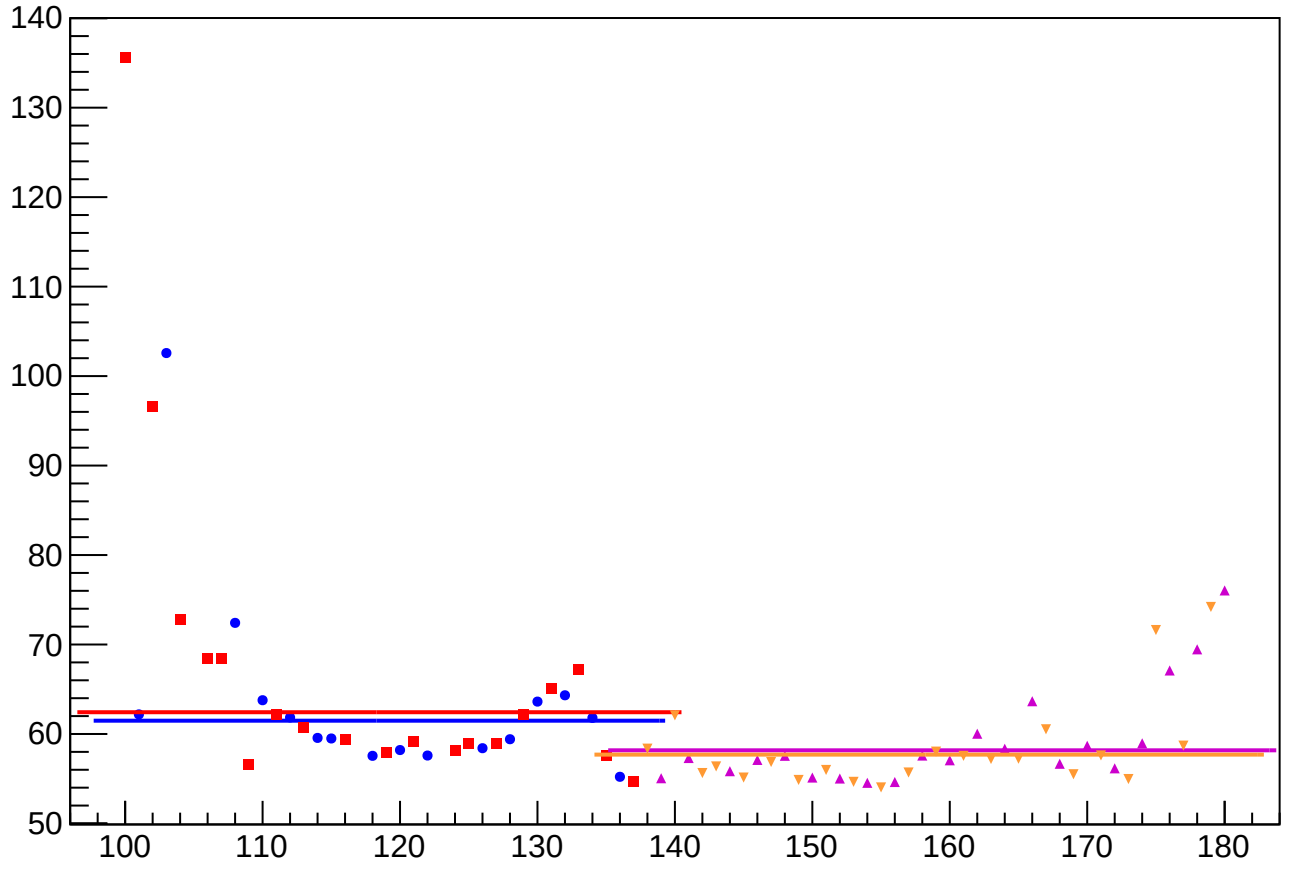
Left: -185.839+/-9.878 χ^2/NDF: 62.0/42

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.218+/-12.027 χ^2/NDF:50.1/36

Out: -169.039+/-11.898 χ^2/NDF:83.7/40

All: -184.460+/-8.458 χ^2/NDF: 137.2/77



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 58.175+/-0.010 χ^2/NDF:214595.3/20

Left: 57.931+/-0.007 χ^2/NDF: 404822.1/42

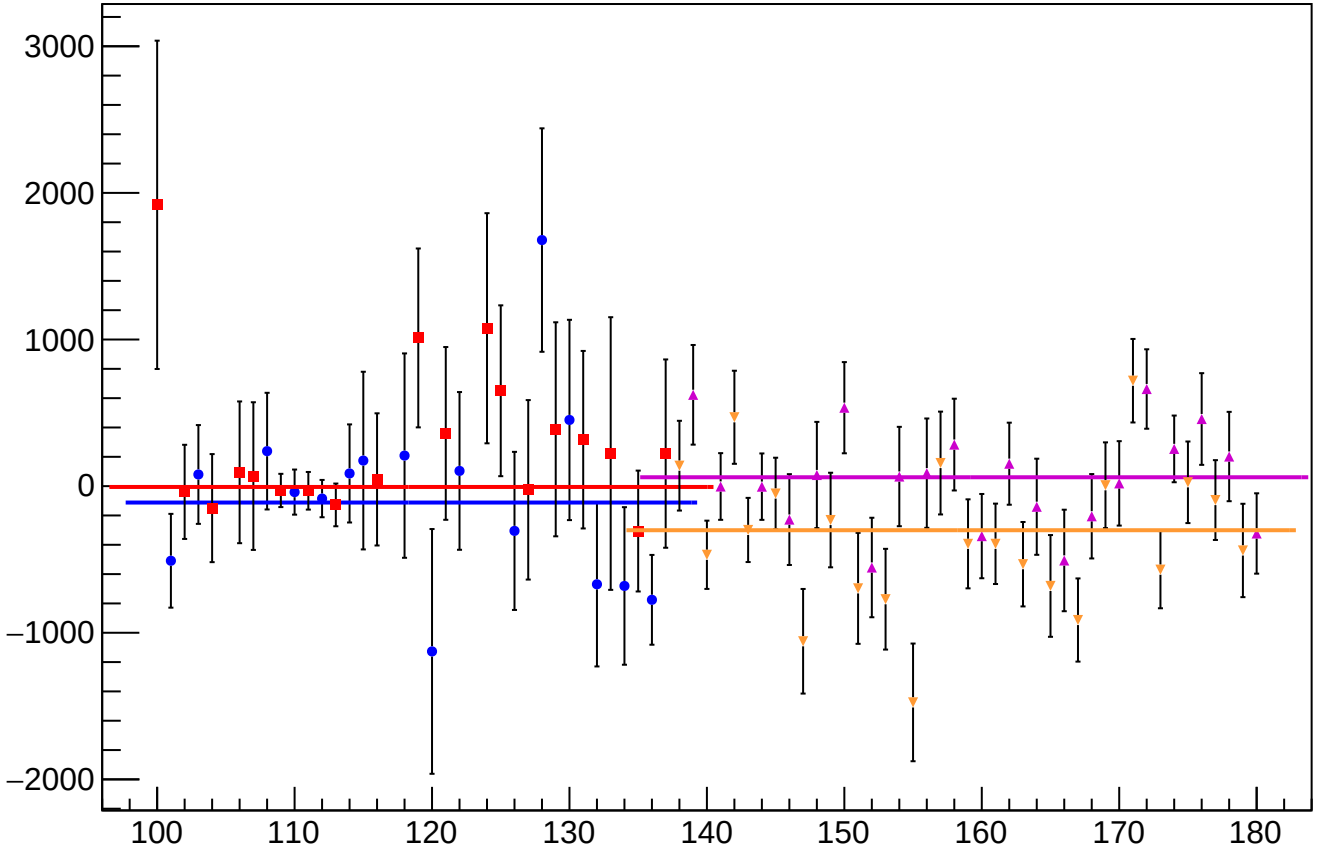
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.071+/-0.009 χ^2/NDF:495181.5/36

Out: 58.940+/-0.008 χ^2/NDF:529919.0/40

All: 59.005+/-0.006 χ^2/NDF: 1025220.9/77

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 60.592+/-63.936 χ^2/NDF:25.3/20

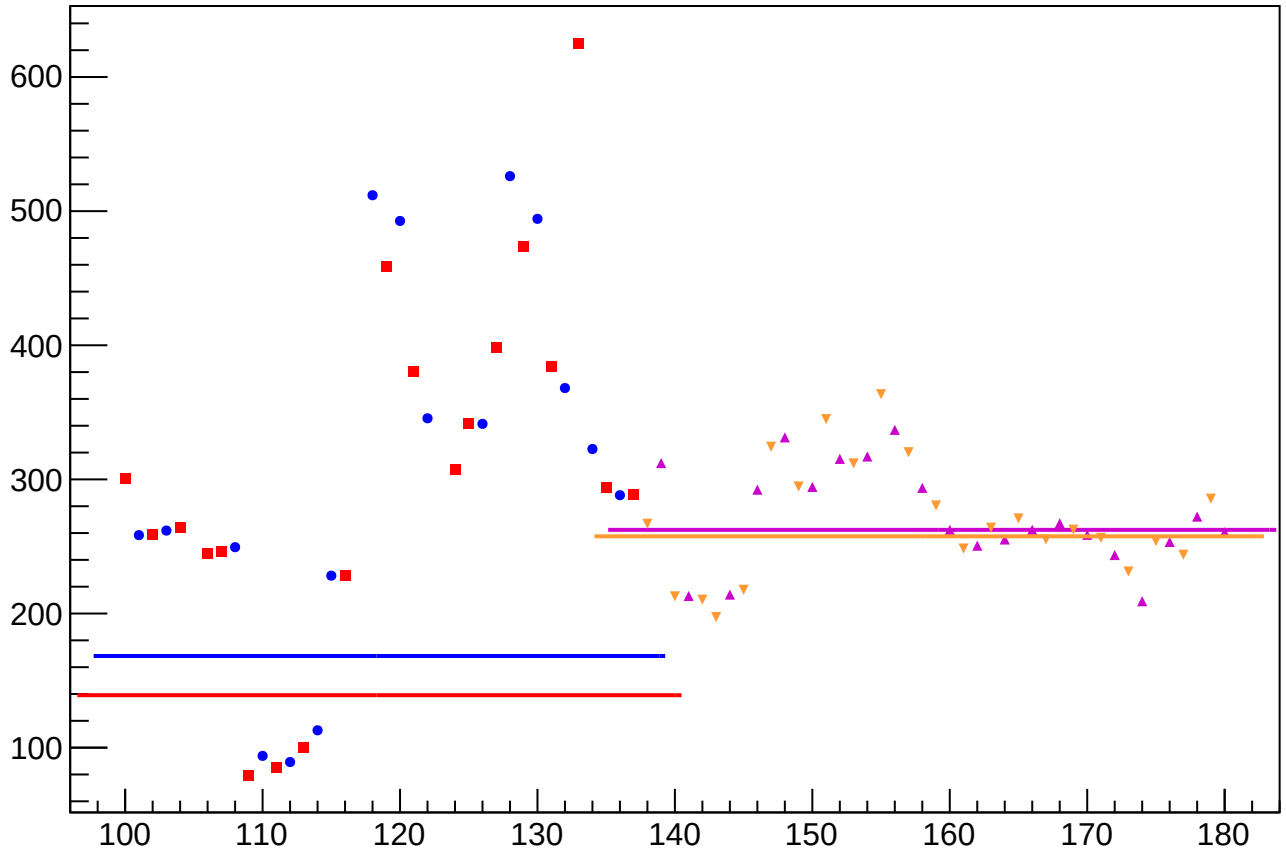
Left: -124.019+/-44.710 χ^2/NDF: 92.8/42

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -10.645+/-48.982 χ^2/NDF:46.8/36

Out: -156.737+/-44.760 χ^2/NDF:73.6/40

All: -90.257+/-33.042 χ^2/NDF: 125.3/77



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.386+/-0.045 χ^2/NDF:669225.2/20

Left: 259.914+/-0.032 χ^2/NDF: 1515833.1/42

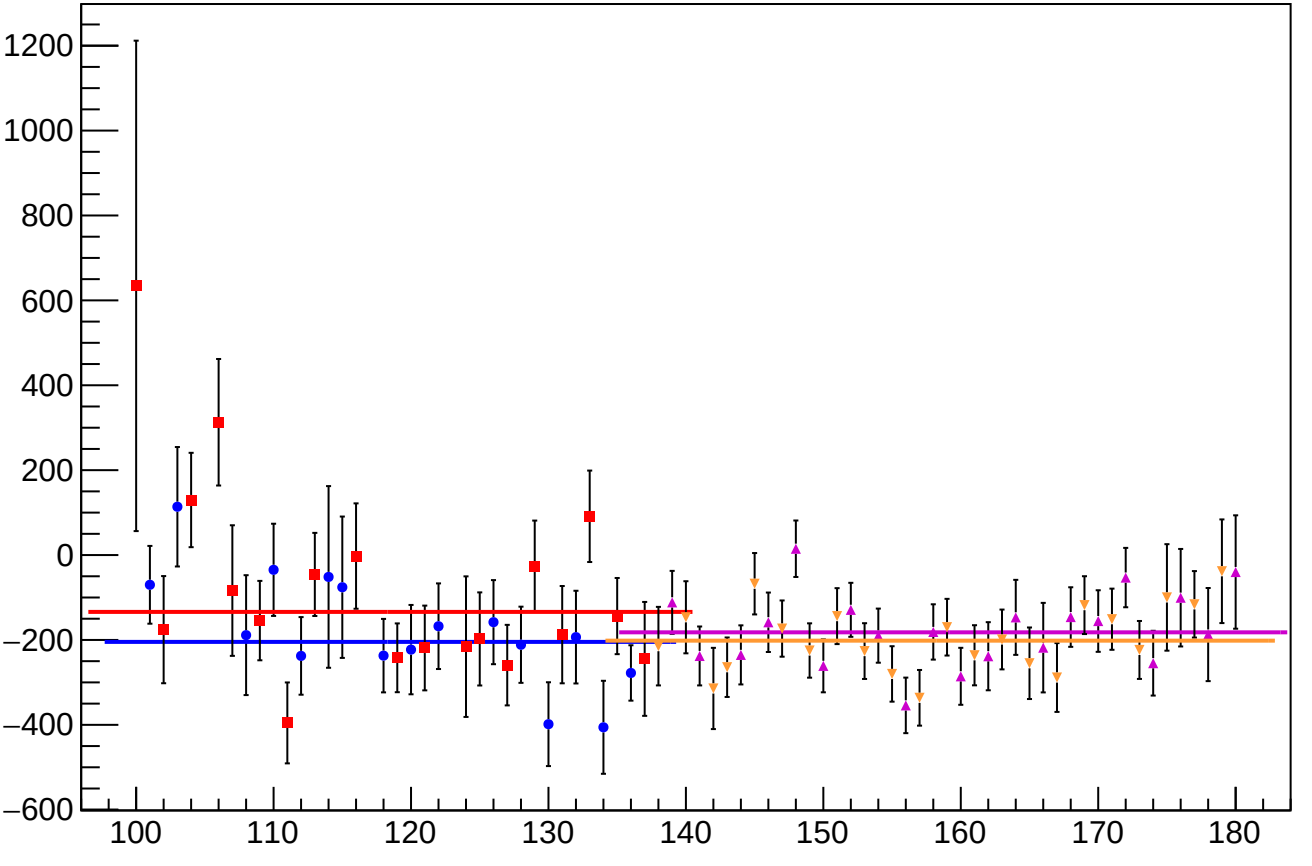
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 223.534+/-0.035 χ^2/NDF:7001175.6/36

Out: 199.766+/-0.032 χ^2/NDF:9469777.2/40

All: 210.582+/-0.023 χ^2/NDF: 16727563.5/77

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.661+/-15.820 χ^2/NDF:20.7/21

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -182.051+/-16.169 χ^2/NDF:29.7/20

Left: -192.070+/-11.308 χ^2/NDF: 51.2/42

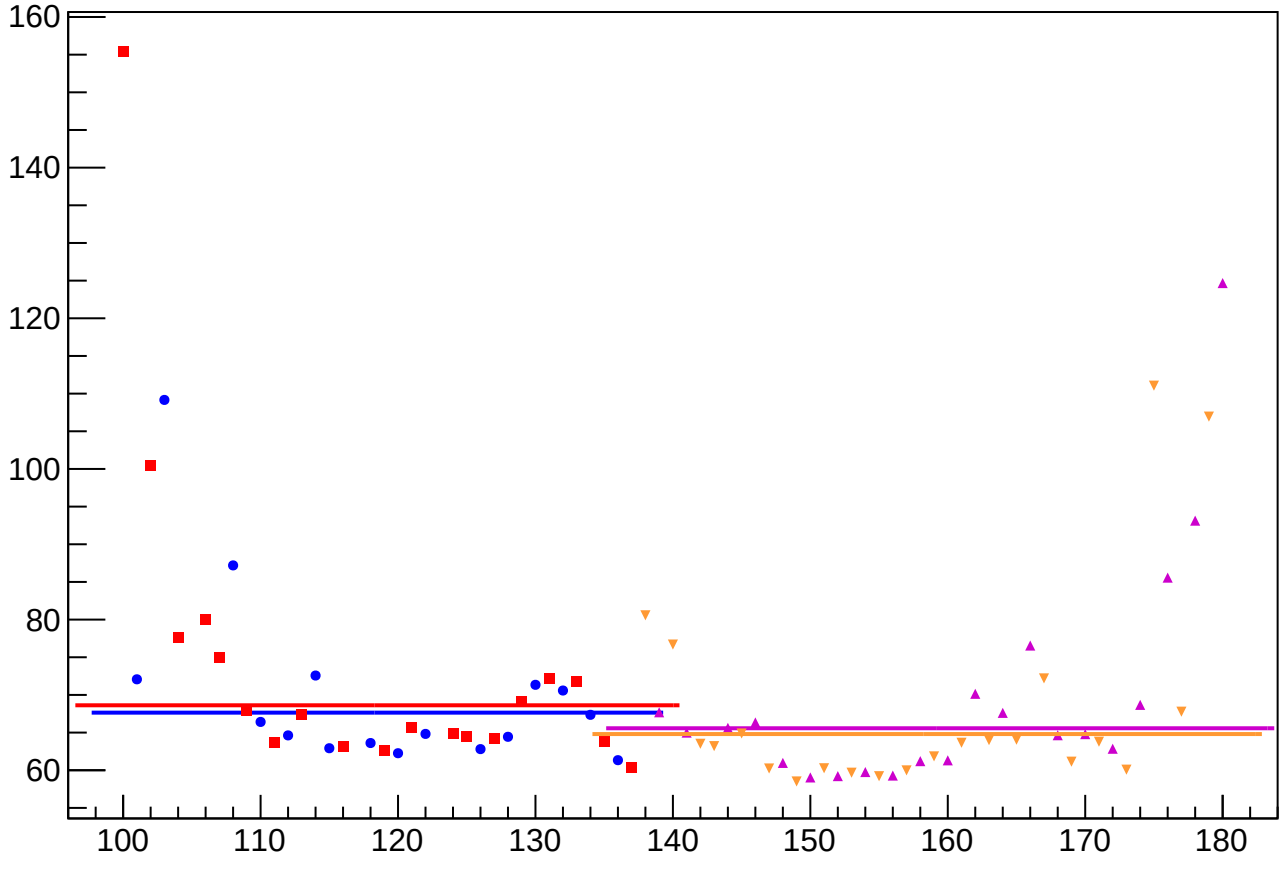
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -188.503+/-13.659 χ^2/NDF:50.3/36

Out: -182.817+/-13.441 χ^2/NDF:63.0/40

All: -185.614+/-9.580 χ^2/NDF: 113.4/77

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725003.1/21

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 65.574+/-0.011 χ^2/NDF:720172.6/20

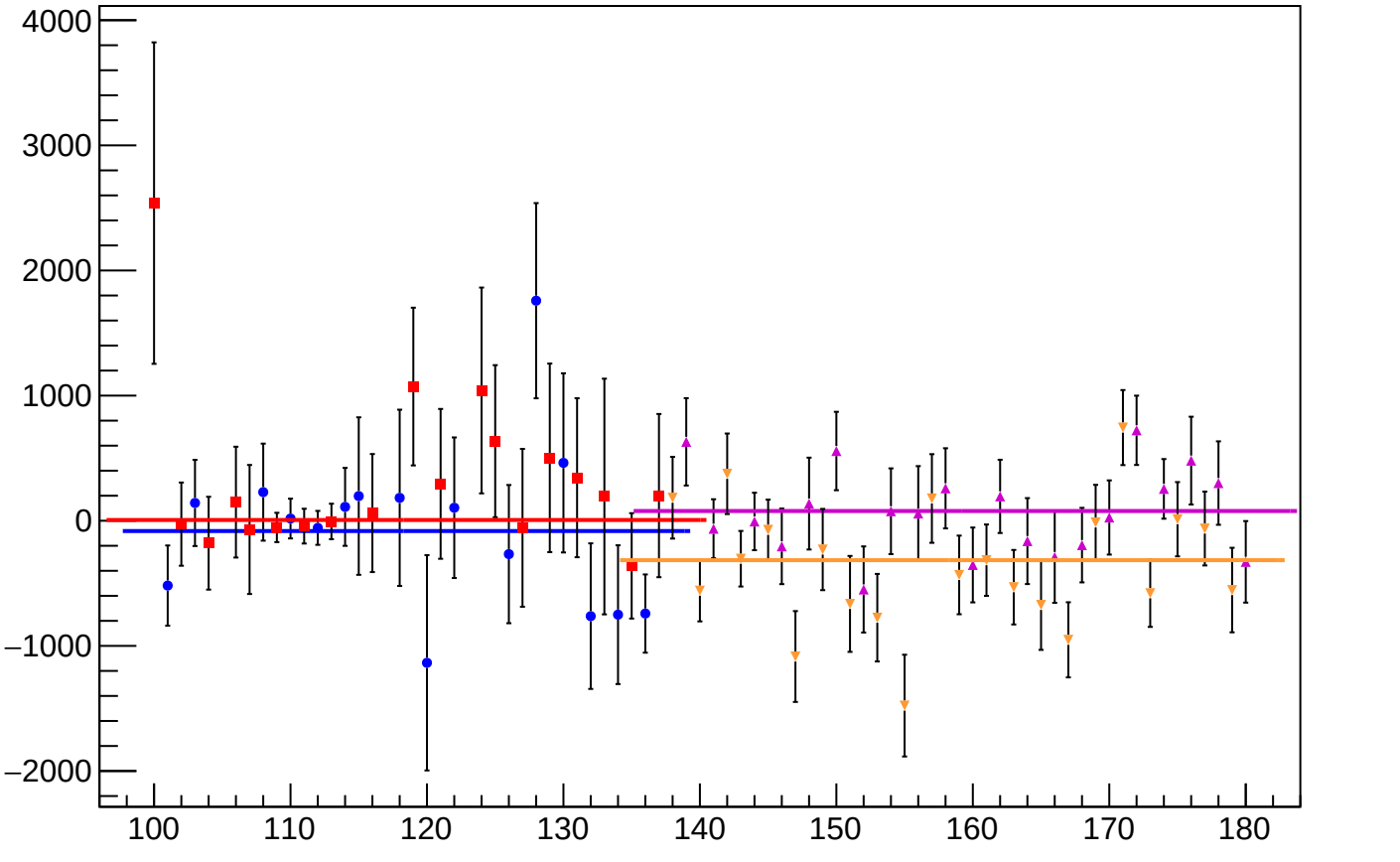
Left: 65.181+/-0.008 χ^2/NDF: 1447490.3/42

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 66.168+/-0.010 χ^2/NDF:993262.6/36

Out: 65.867+/-0.010 χ^2/NDF:1005600.7/40

All: 66.015+/-0.007 χ^2/NDF: 1999356.2/77



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -315.084+/-64.639 χ^2/NDF:49.2/21

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 77.910+/-66.505 χ^2/NDF:23.8/20

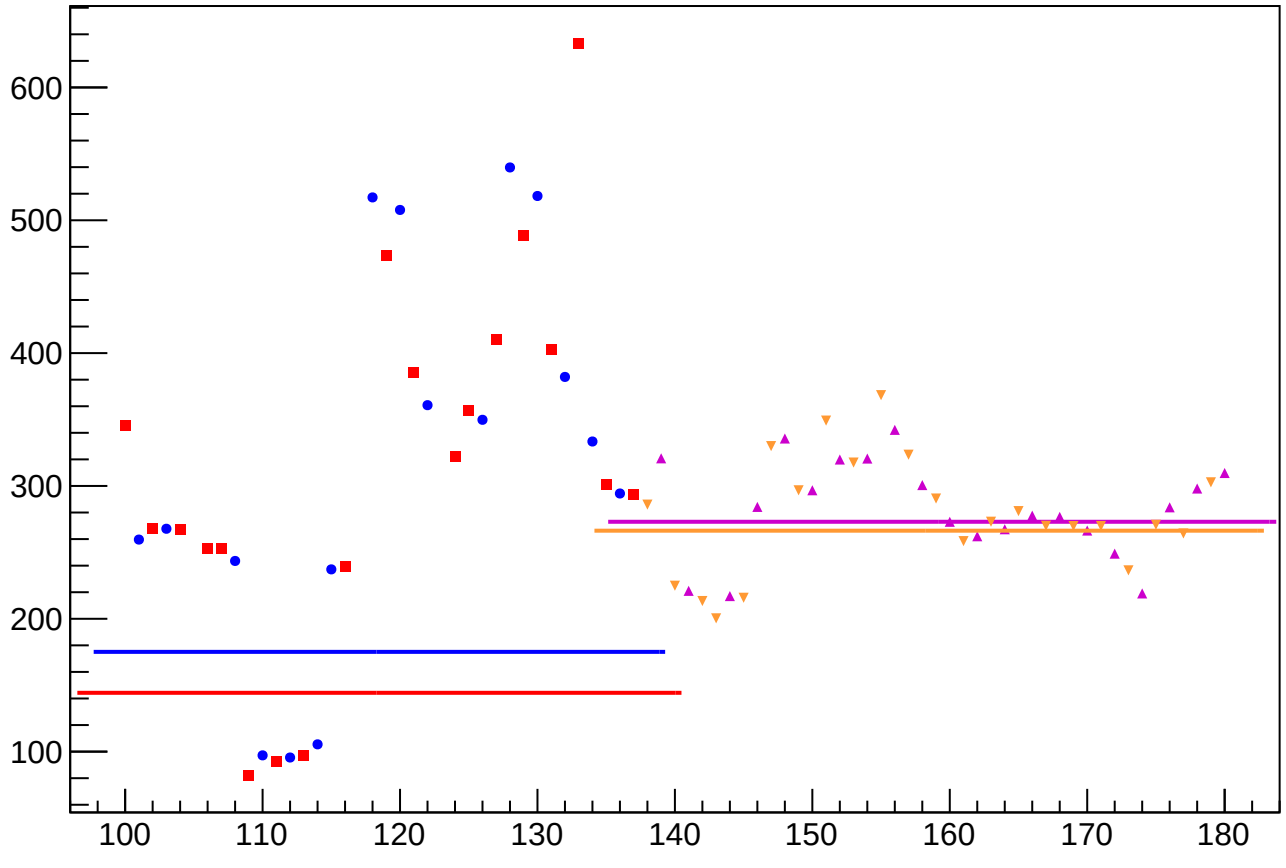
Left: -124.179+/-46.352 χ^2/NDF: 91.0/42

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 11.172+/-50.790 χ^2/NDF:45.4/36

Out: -157.638+/-46.149 χ^2/NDF:73.4/40

All: -81.296+/-34.156 χ^2/NDF: 124.8/77



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.324+/-0.046 χ^2/NDF:843243.0/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 273.034+/-0.047 χ^2/NDF:644591.2/20

Left: 269.583+/-0.033 χ^2/NDF: 1498304.9/42

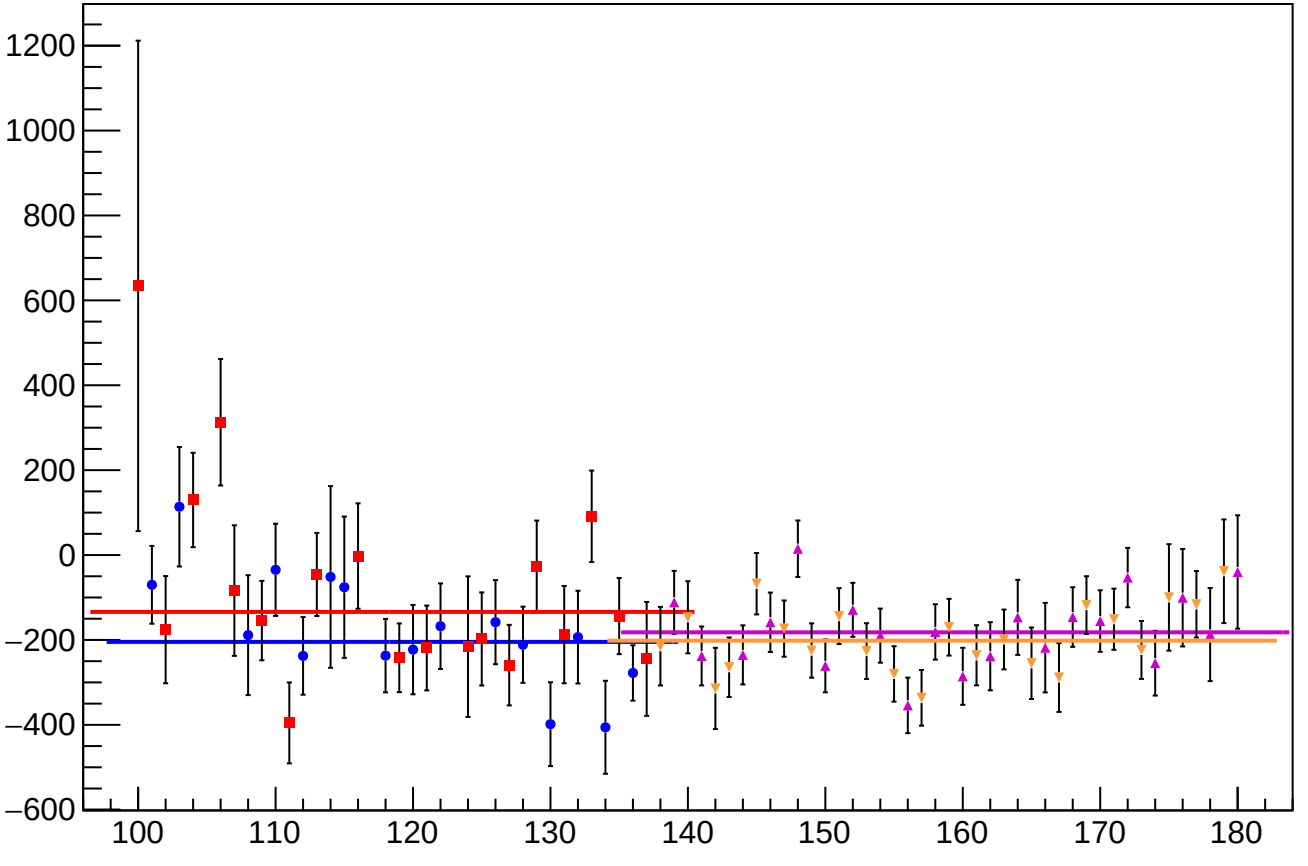
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 232.219+/-0.036 χ^2/NDF:6881133.5/36

Out: 206.489+/-0.033 χ^2/NDF:9471338.6/40

All: 218.125+/-0.024 χ^2/NDF: 16633641.0/77

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.660+/-15.820 χ^2/NDF:20.7/21

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -182.052+/-16.169 χ^2/NDF:29.7/20

Left: -192.070+/-11.308 χ^2/NDF: 51.2/42

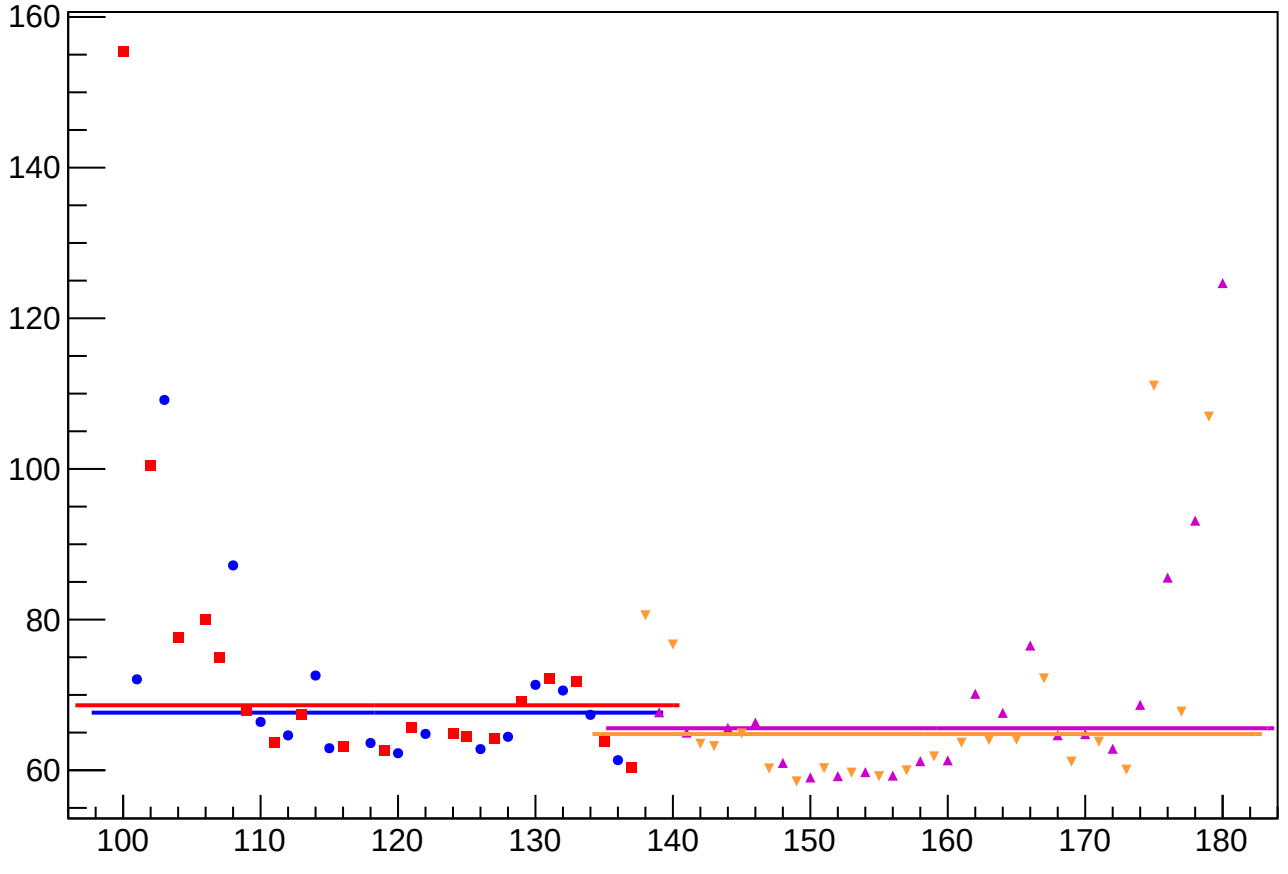
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -188.503+/-13.659 χ^2/NDF:50.3/36

Out: -182.817+/-13.441 χ^2/NDF:63.0/40

All: -185.614+/-9.580 χ^2/NDF: 113.4/77

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725005.1/21

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 65.574+/-0.011 χ^2/NDF:720166.8/20

Left: 65.181+/-0.008 χ^2/NDF: 1447486.6/42

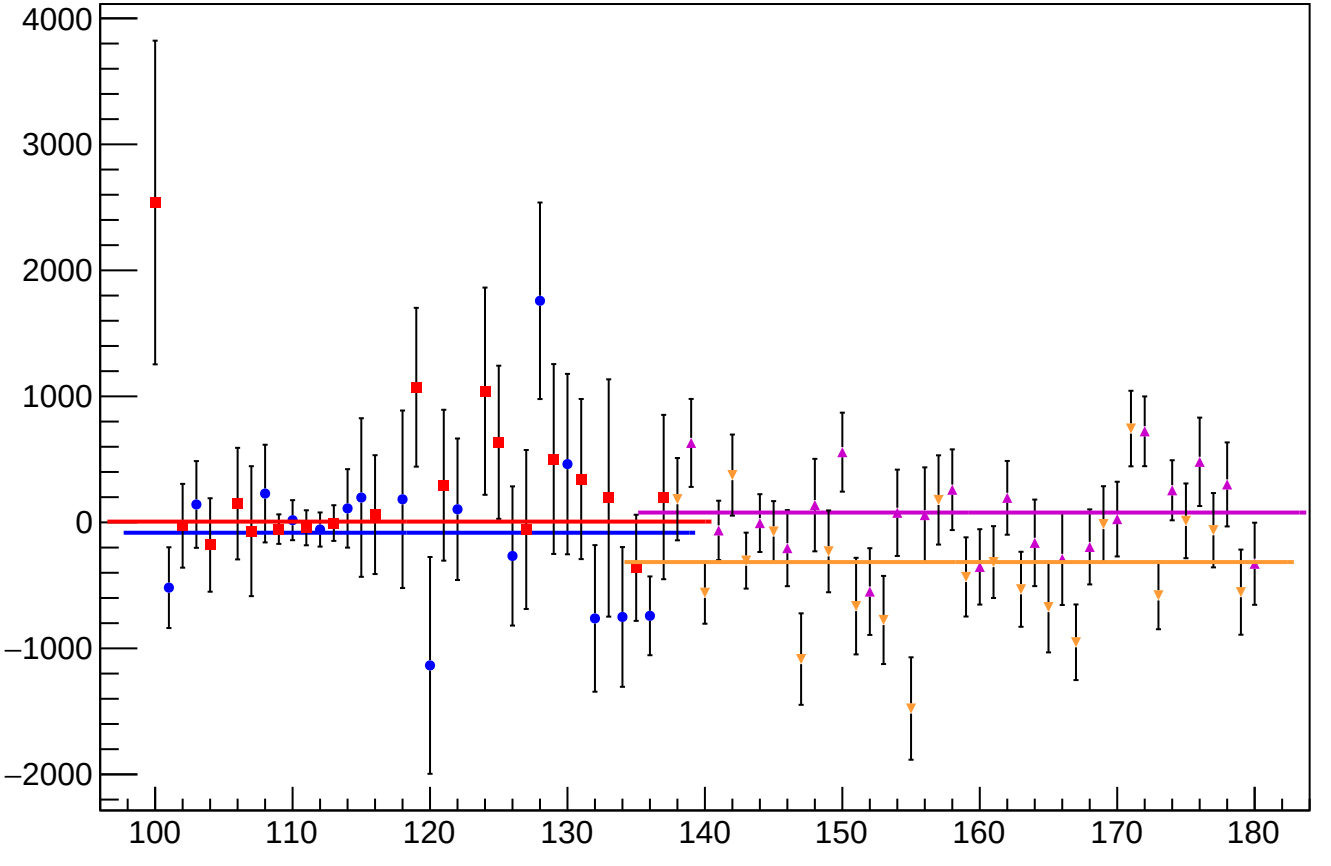
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.168+/-0.010 χ^2/NDF:993253.9/36

Out: 65.867+/-0.010 χ^2/NDF:1005600.2/40

All: 66.015+/-0.007 χ^2/NDF: 1999347.2/77

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -315.083+/-64.638 χ^2/NDF:49.2/21

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 77.910+/-66.505 χ^2/NDF:23.8/20

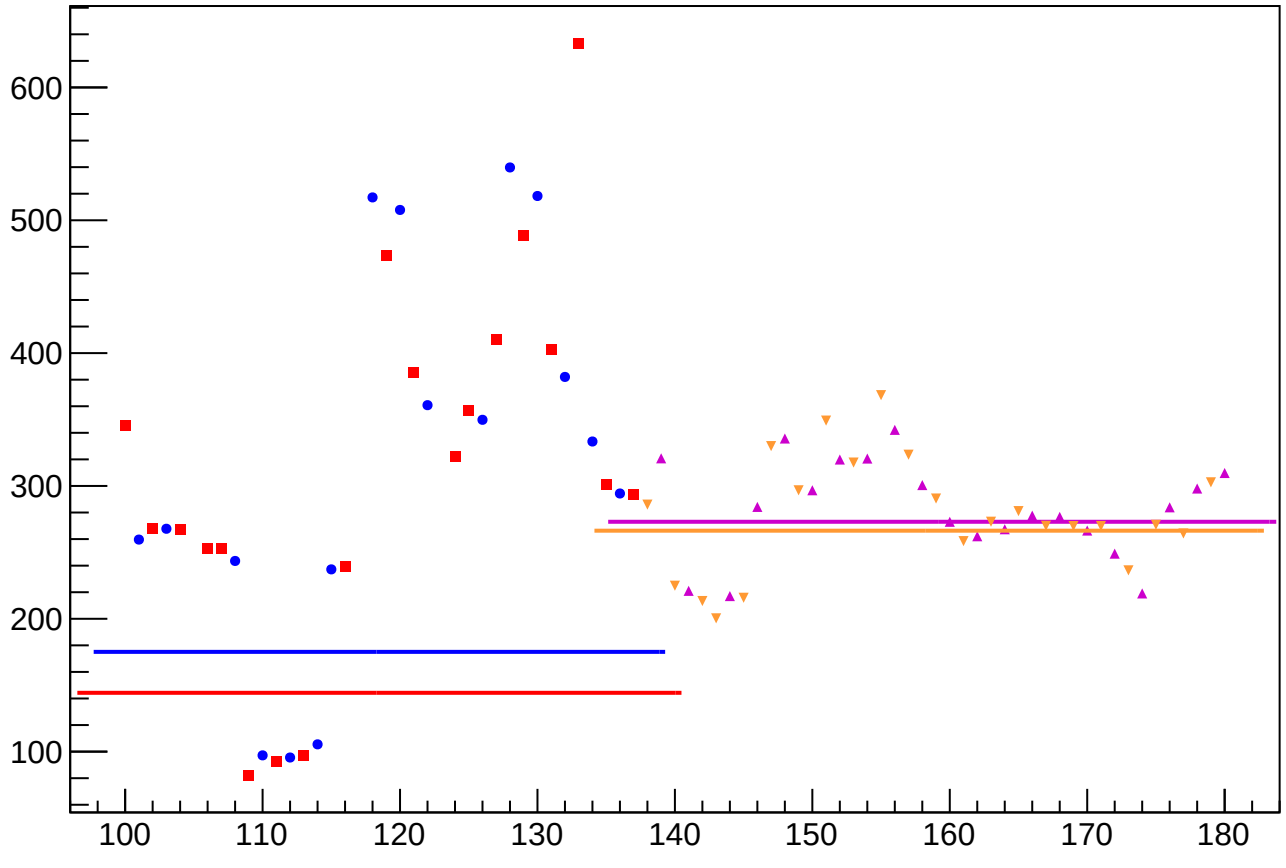
Left: -124.179+/-46.352 χ^2/NDF: 91.0/42

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 11.172+/-50.790 χ^2/NDF:45.4/36

Out: -157.639+/-46.149 χ^2/NDF:73.4/40

All: -81.296+/-34.156 χ^2/NDF: 124.8/77



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.323+/-0.046 χ^2/NDF:843252.2/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 273.033+/-0.047 χ^2/NDF:644596.3/20

Left: 269.582+/-0.033 χ^2/NDF: 1498319.4/42

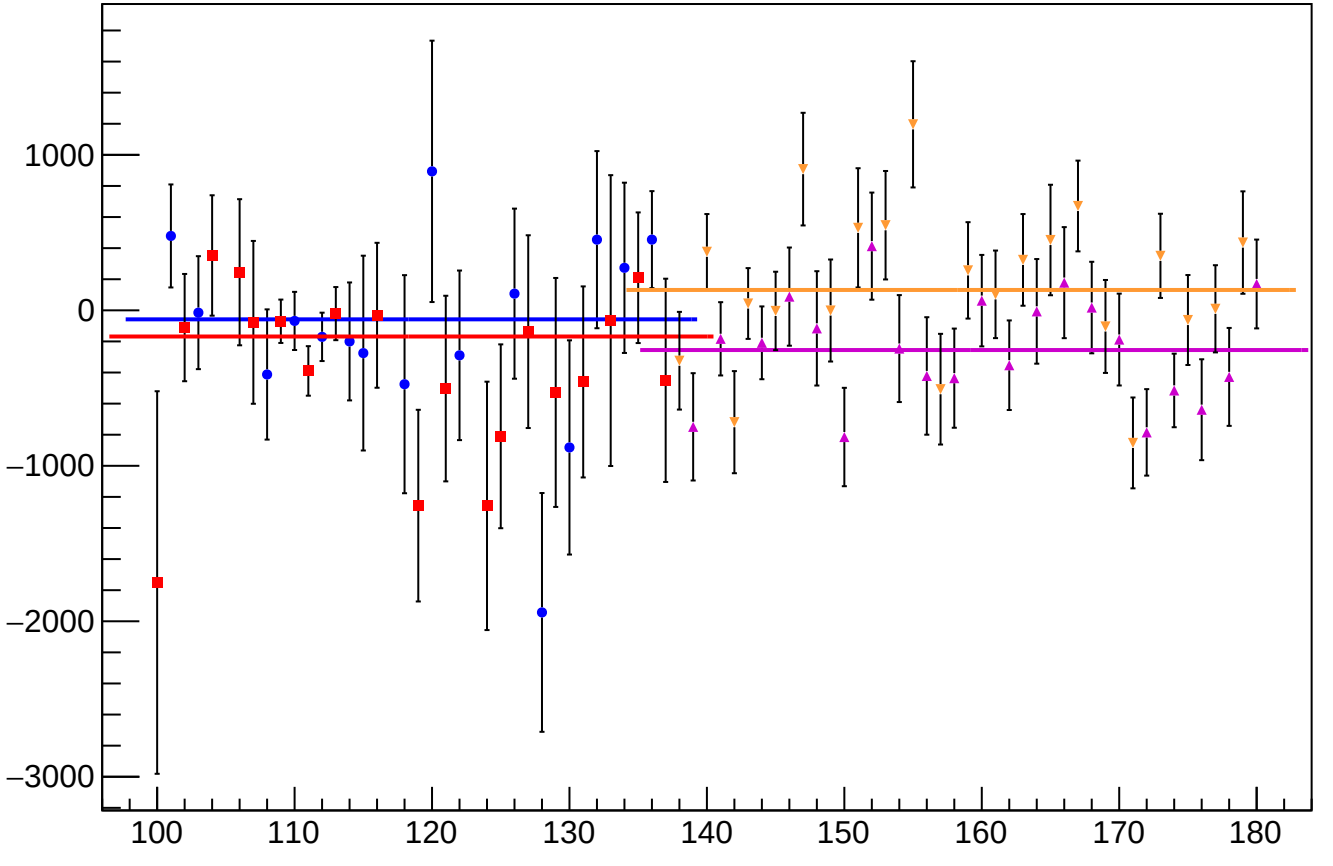
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 232.218+/-0.036 χ^2/NDF:6881194.1/36

Out: 206.488+/-0.033 χ^2/NDF:9471308.9/40

All: 218.124+/-0.024 χ^2/NDF: 16633659.6/77

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 131.046+/-64.299 χ^2/NDF:46.6/21

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -255.376+/-65.699 χ^2/NDF:23.9/20

Left: -58.005+/-45.953 χ^2/NDF: 88.1/42

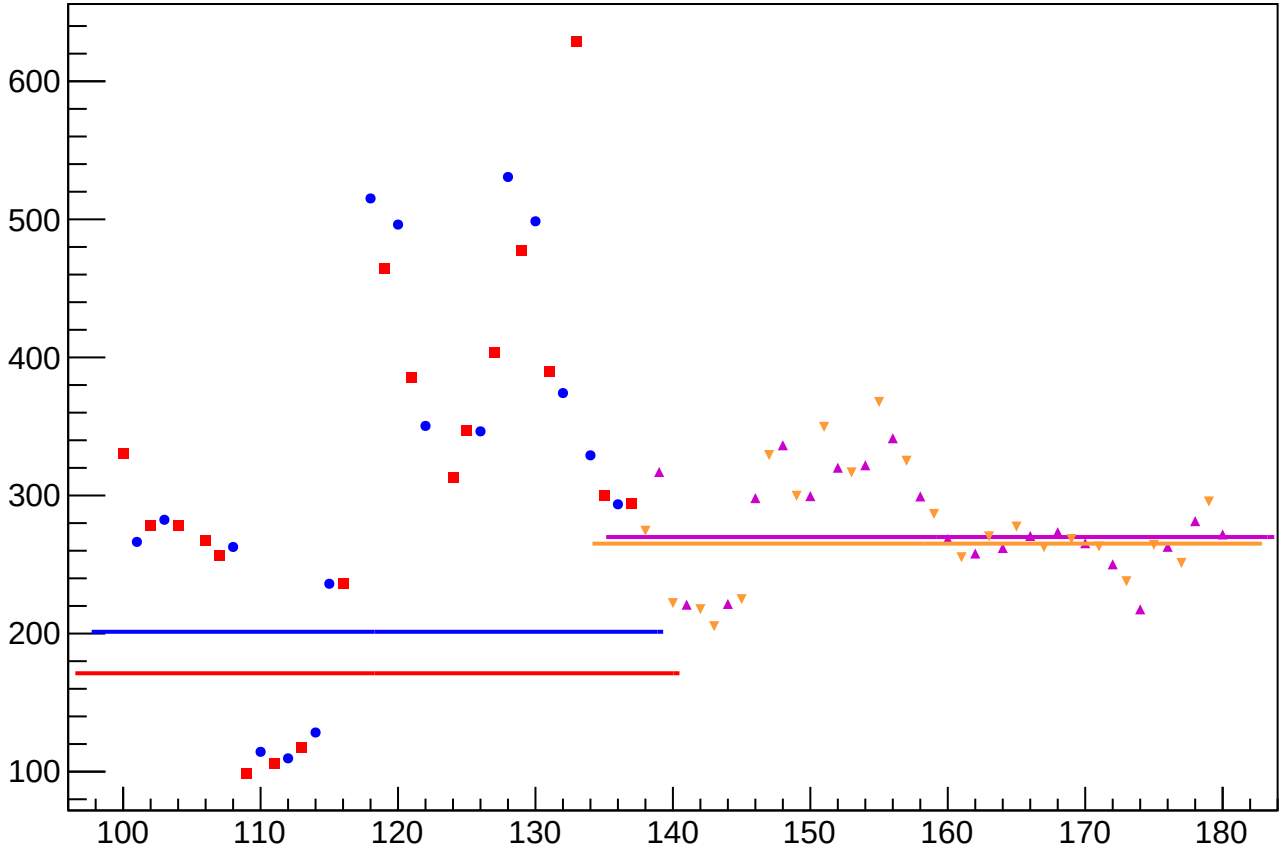
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -183.571+/-52.405 χ^2/NDF:44.5/36

Out: 3.438+/-48.704 χ^2/NDF:71.3/40

All: -83.230+/-35.675 χ^2/NDF: 122.7/77

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.138+/-0.045 χ^2/NDF:764180.2/21

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.921+/-0.046 χ^2/NDF:602114.6/20

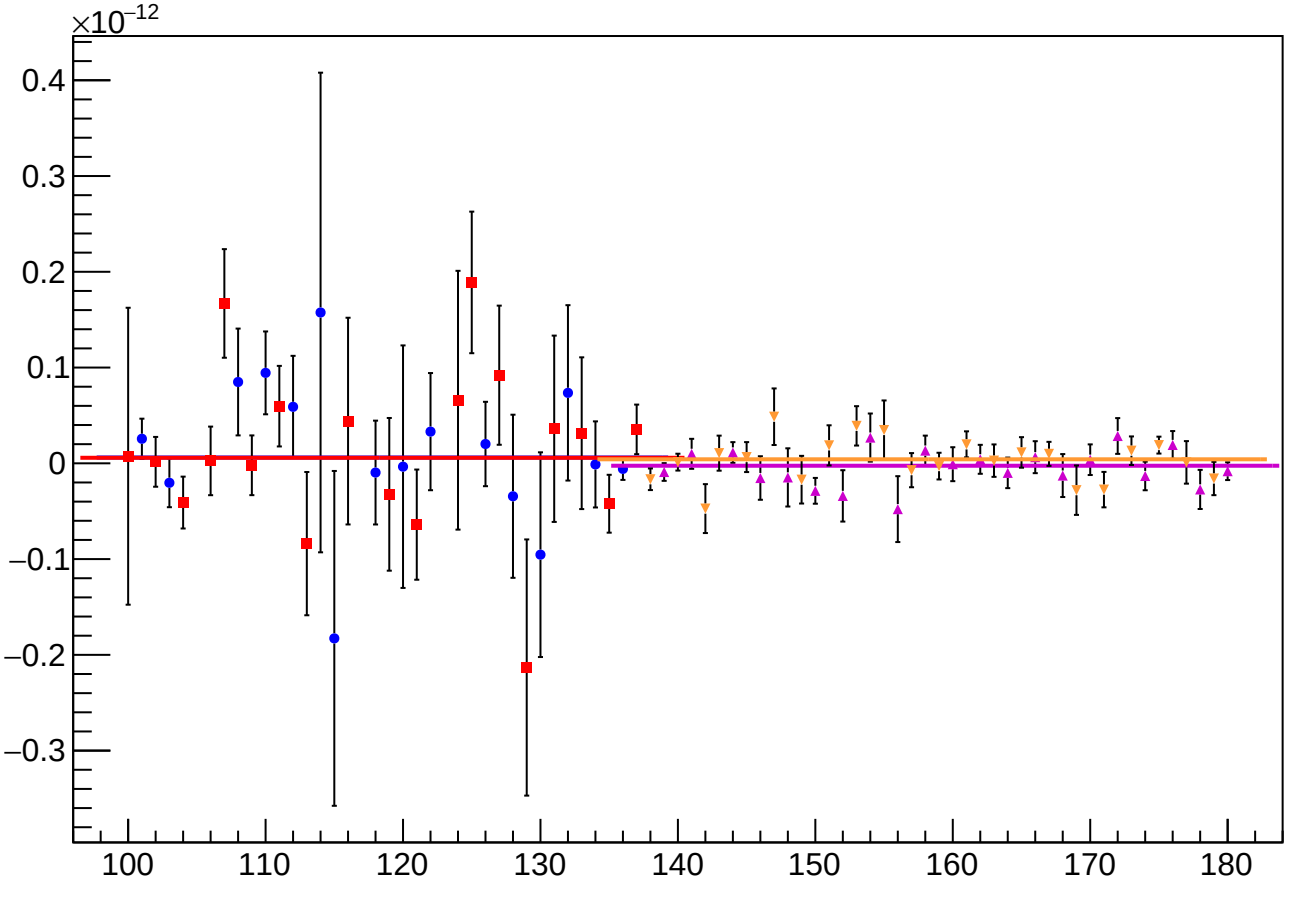
Left: 267.478+/-0.032 χ^2/NDF: 1371708.2/42

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 244.961+/-0.037 χ^2/NDF:4967933.5/36

Out: 225.118+/-0.034 χ^2/NDF:6774352.6/40

All: 234.314+/-0.025 χ^2/NDF: 11896134.9/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.0/20

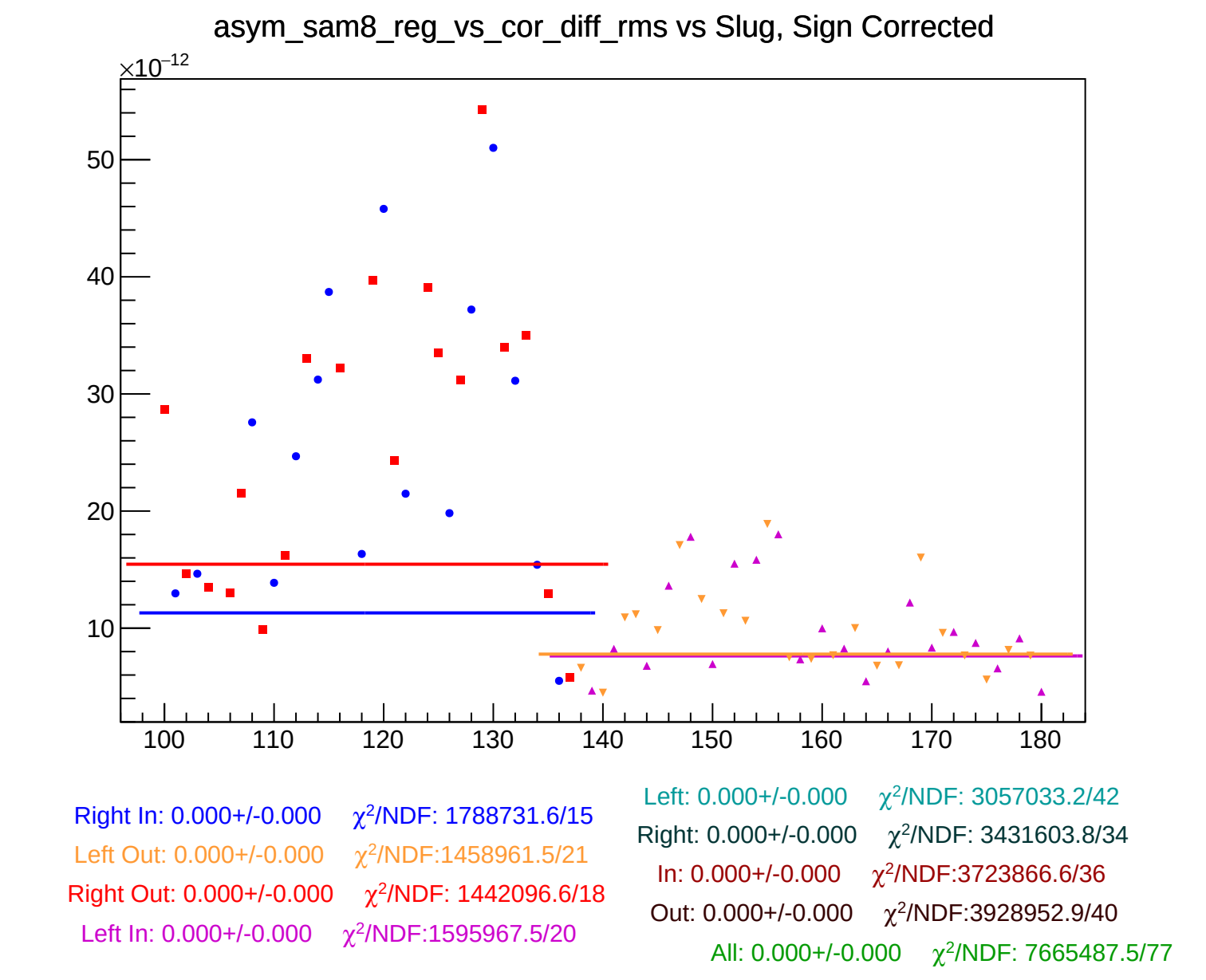
Left: 0.000+/-0.000 χ^2/NDF: 49.5/42

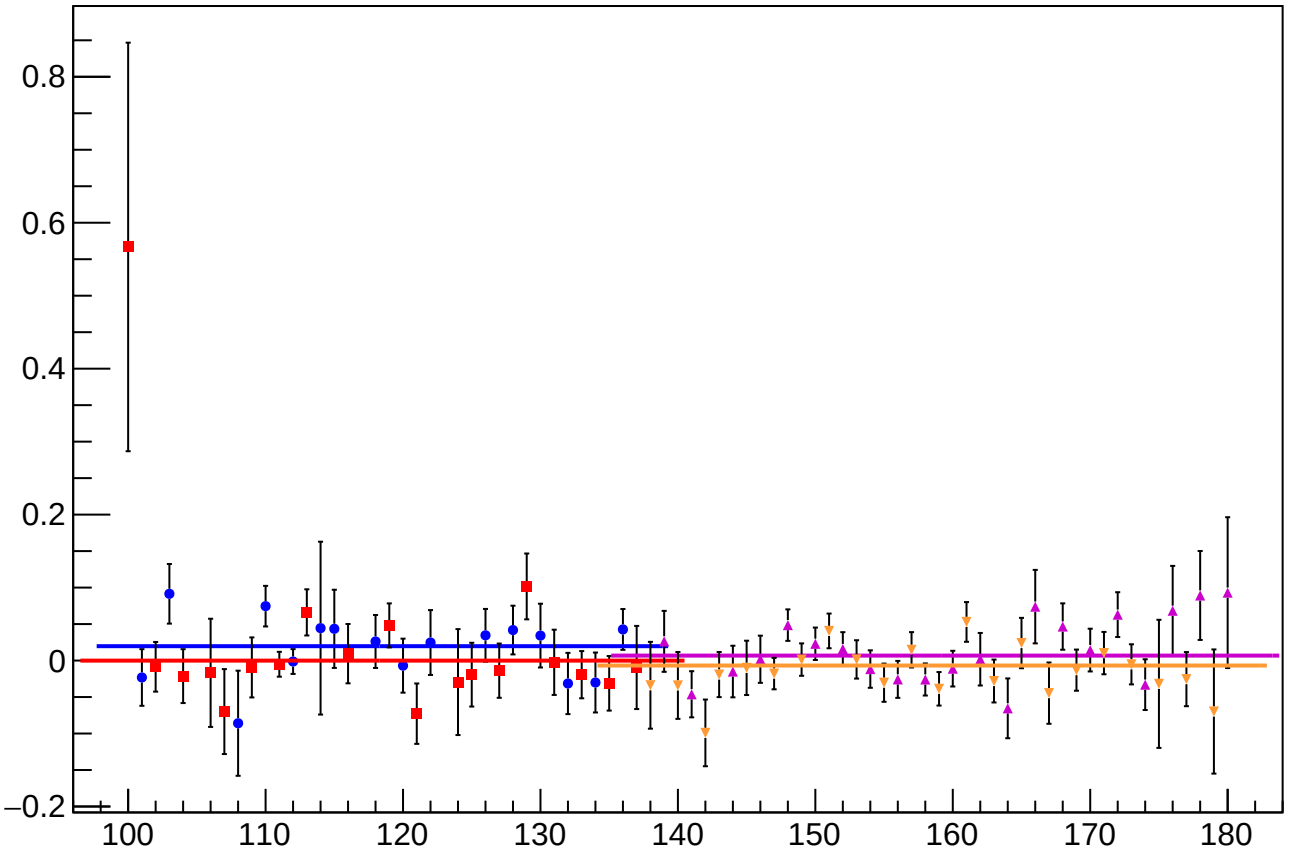
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:35.7/36

Out: 0.000+/-0.000 χ^2/NDF:57.1/40

All: 0.000+/-0.000 χ^2/NDF: 94.4/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1458961.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1595967.5/20
Left: 0.000+/-0.000 χ²/NDF: 3057033.2/42
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3723866.6/36
Out: 0.000+/-0.000 χ²/NDF:3928952.9/40
All: 0.000+/-0.000 χ²/NDF: 7665487.5/77



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.007+/-0.007 χ^2/NDF:27.5/20

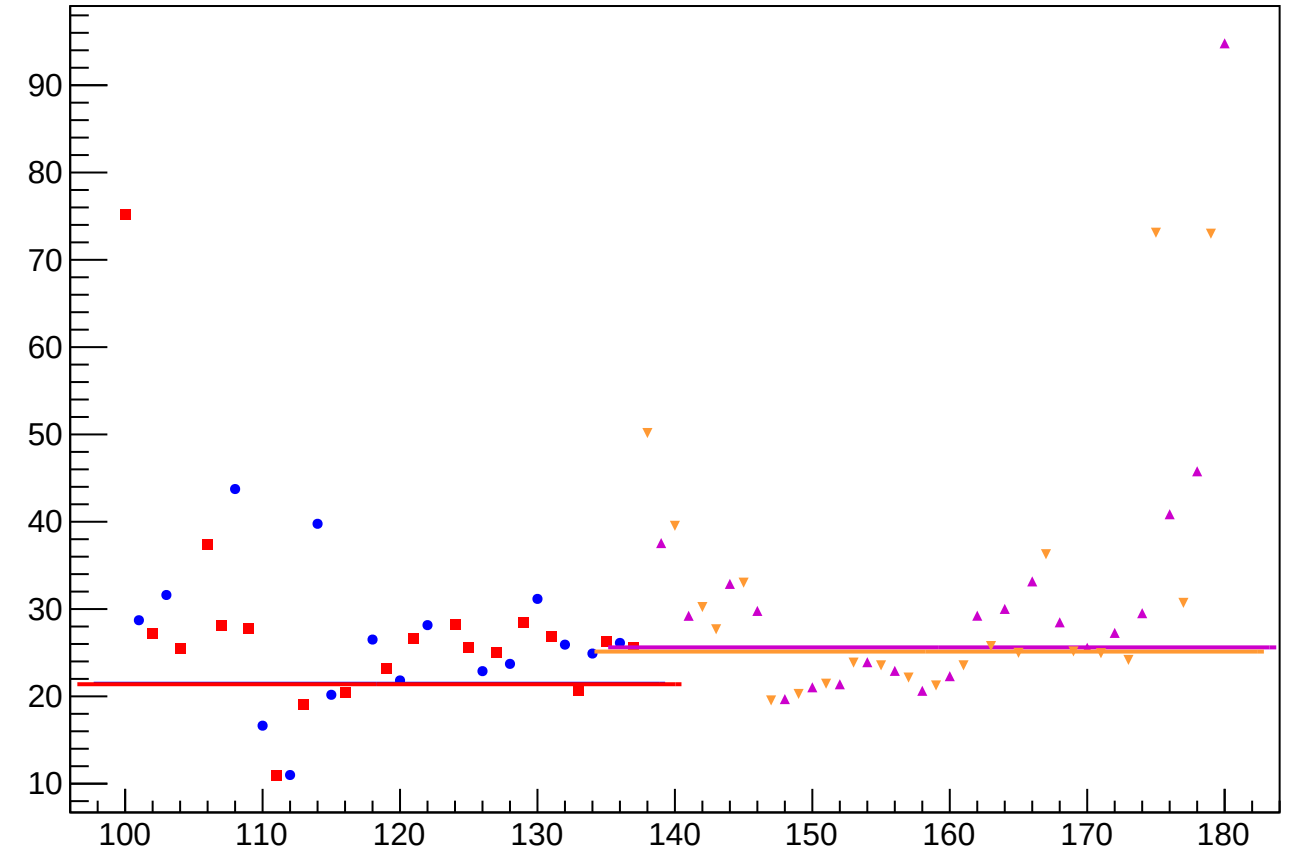
Left: -0.000+/-0.005 χ^2/NDF: 50.7/42

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.012+/-0.005 χ^2/NDF:45.9/36

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.9/77



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

Left: 25.362+/-0.003 χ^2/NDF: 4644907.3/42

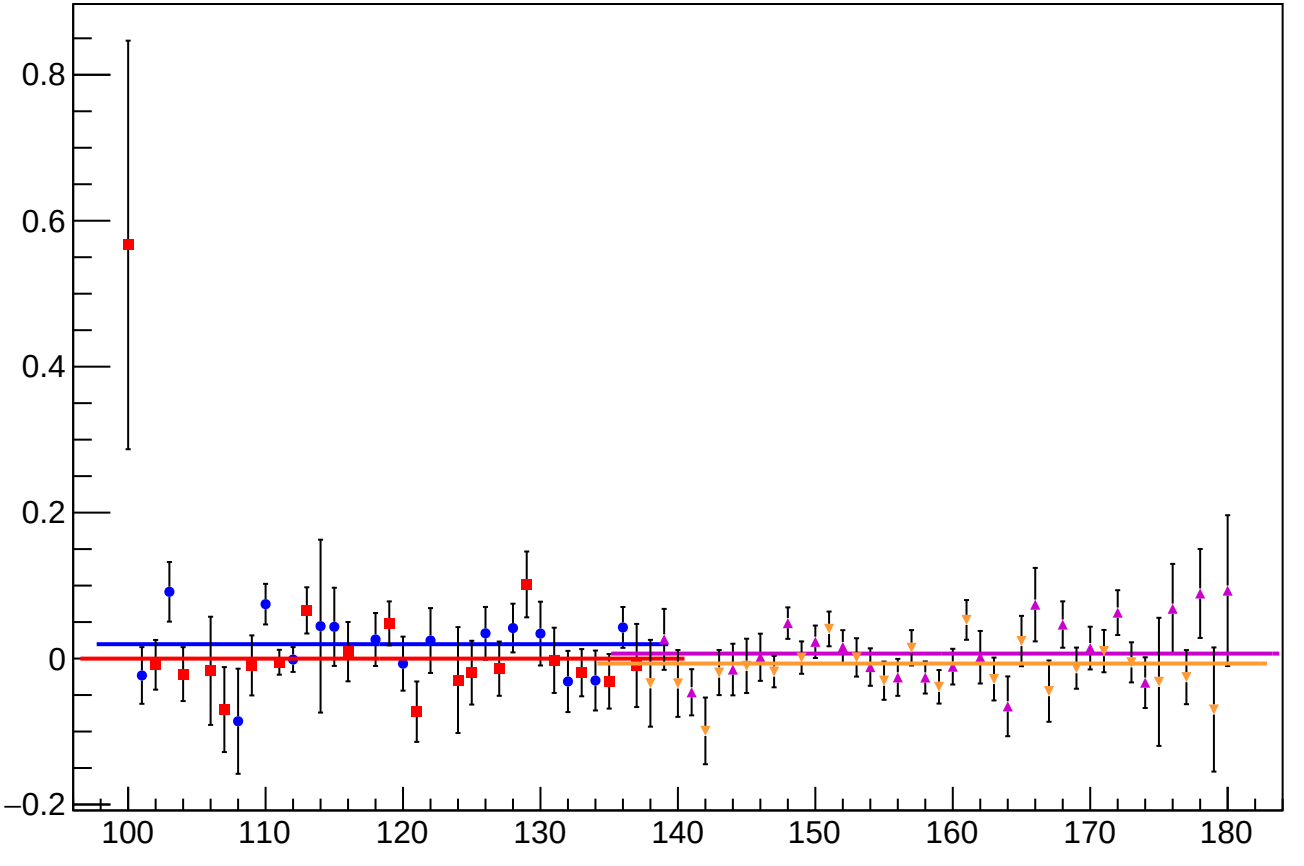
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.071+/-0.004 χ^2/NDF:3985754.7/36

Out: 23.768+/-0.004 χ^2/NDF:4042481.2/40

All: 23.915+/-0.003 χ^2/NDF: 8031609.7/77

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.007+/-0.007 χ^2/NDF:27.5/20

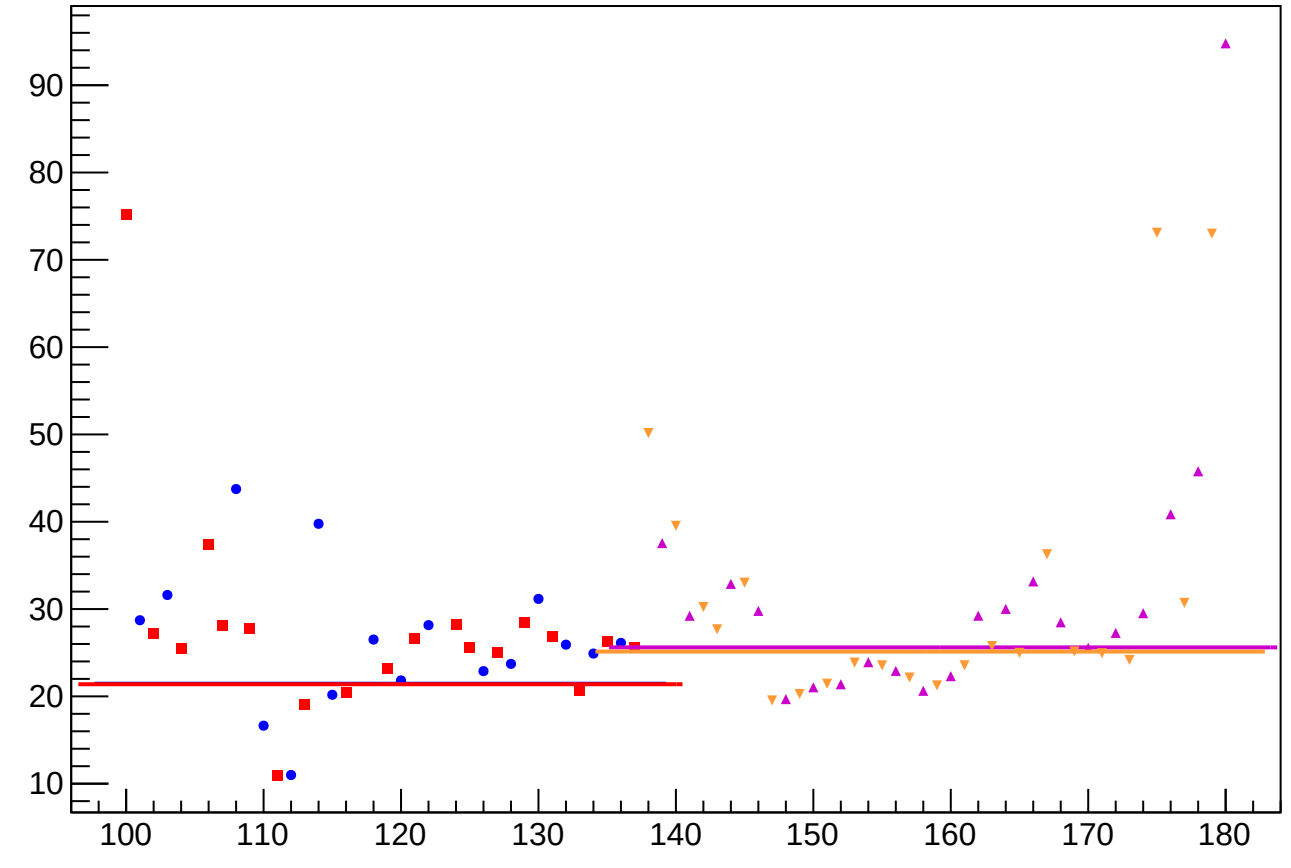
Left: -0.000+/-0.005 χ^2/NDF: 50.7/42

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.012+/-0.005 χ^2/NDF:45.9/36

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.9/77



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.609+/-0.005 χ^2/NDF:2154916.6/20

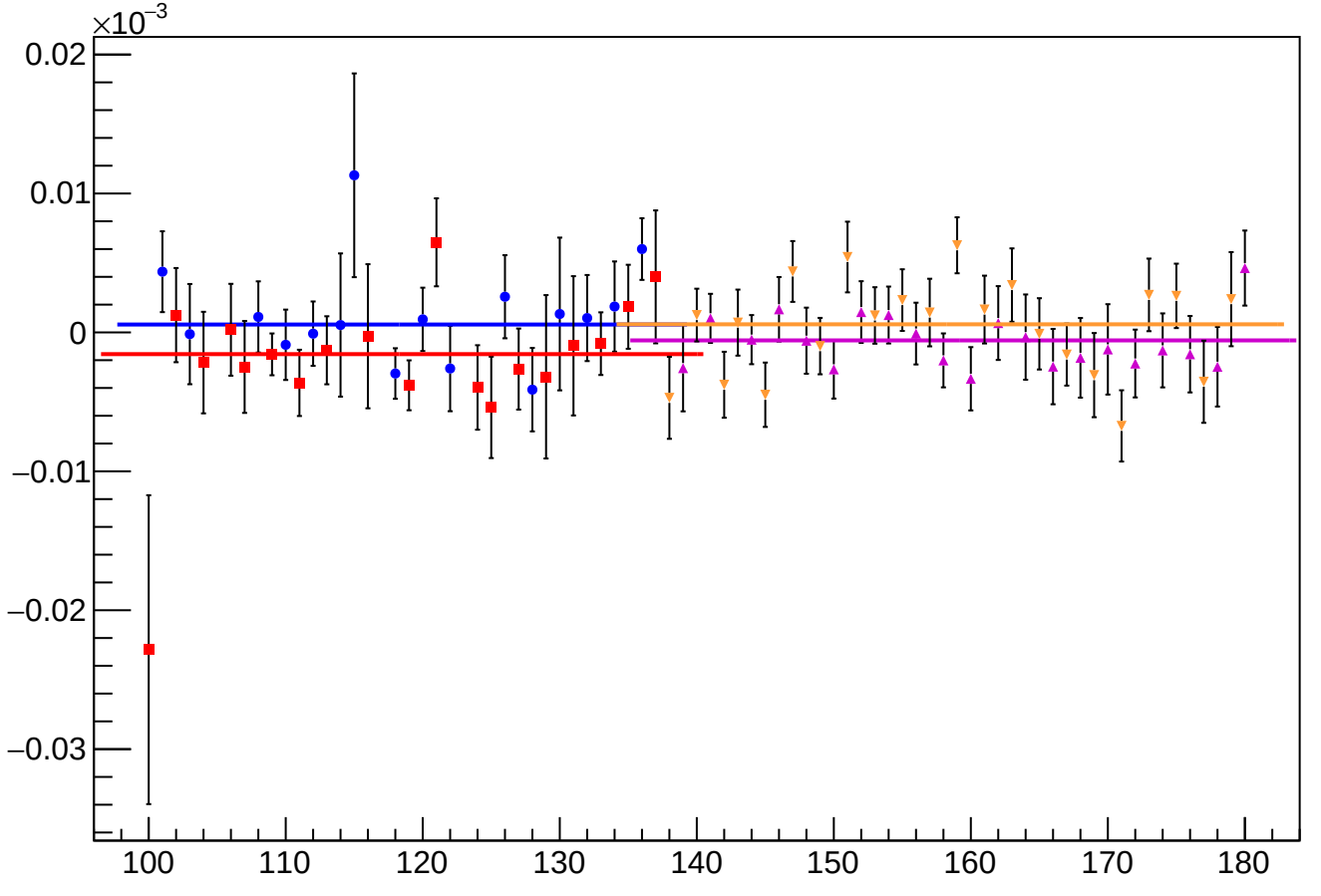
Left: 25.362+/-0.003 χ^2/NDF: 4644907.3/42

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 24.071+/-0.004 χ^2/NDF:3985754.7/36

Out: 23.768+/-0.004 χ^2/NDF:4042481.2/40

All: 23.915+/-0.003 χ^2/NDF: 8031609.7/77



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/20

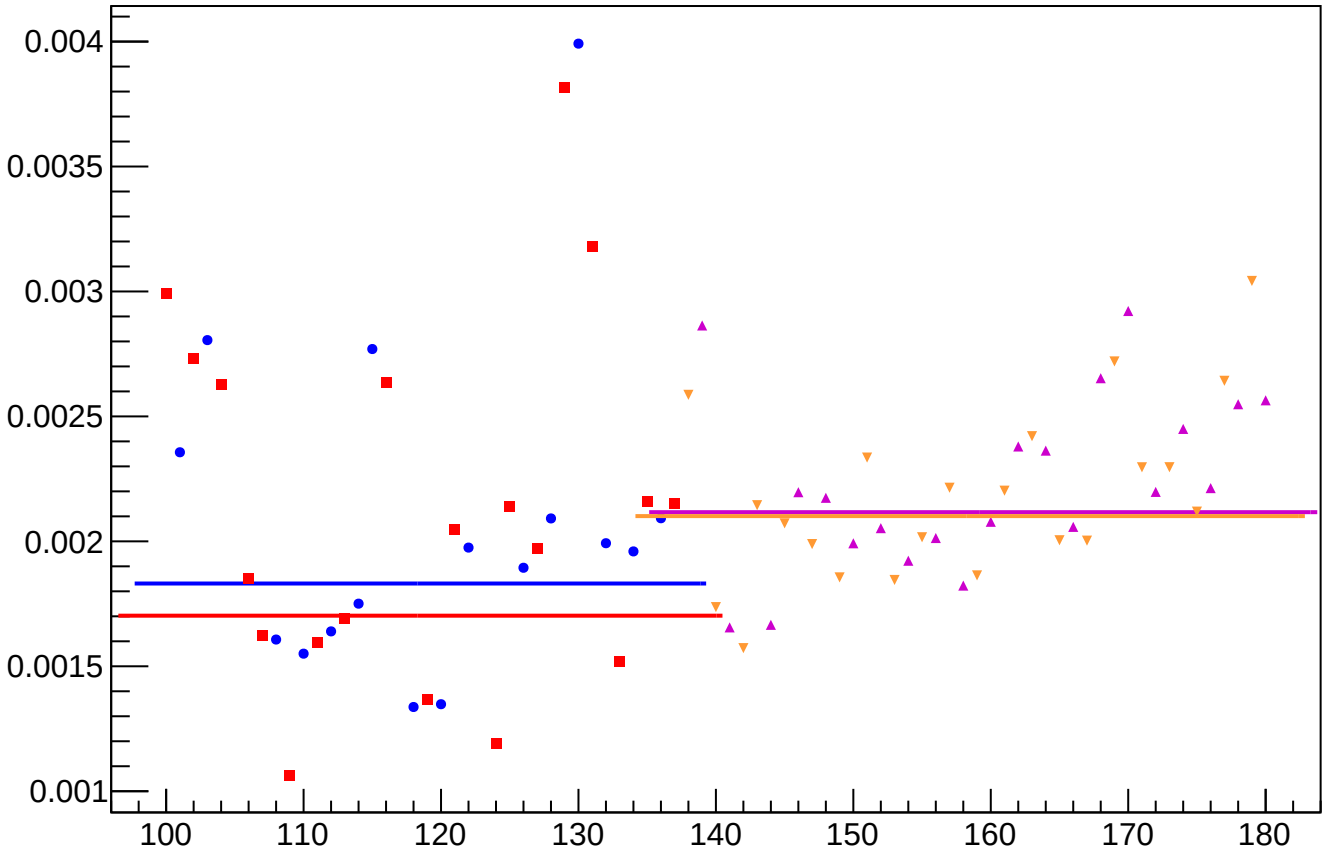
Left: 0.000+/-0.000 χ^2/NDF: 58.3/42

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:32.6/36

Out: -0.000+/-0.000 χ^2/NDF:68.1/40

All: -0.000+/-0.000 χ^2/NDF: 100.7/77



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:713036.2/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:824804.3/20

Left: 0.002+/-0.000 χ^2/NDF: 1538781.8/42

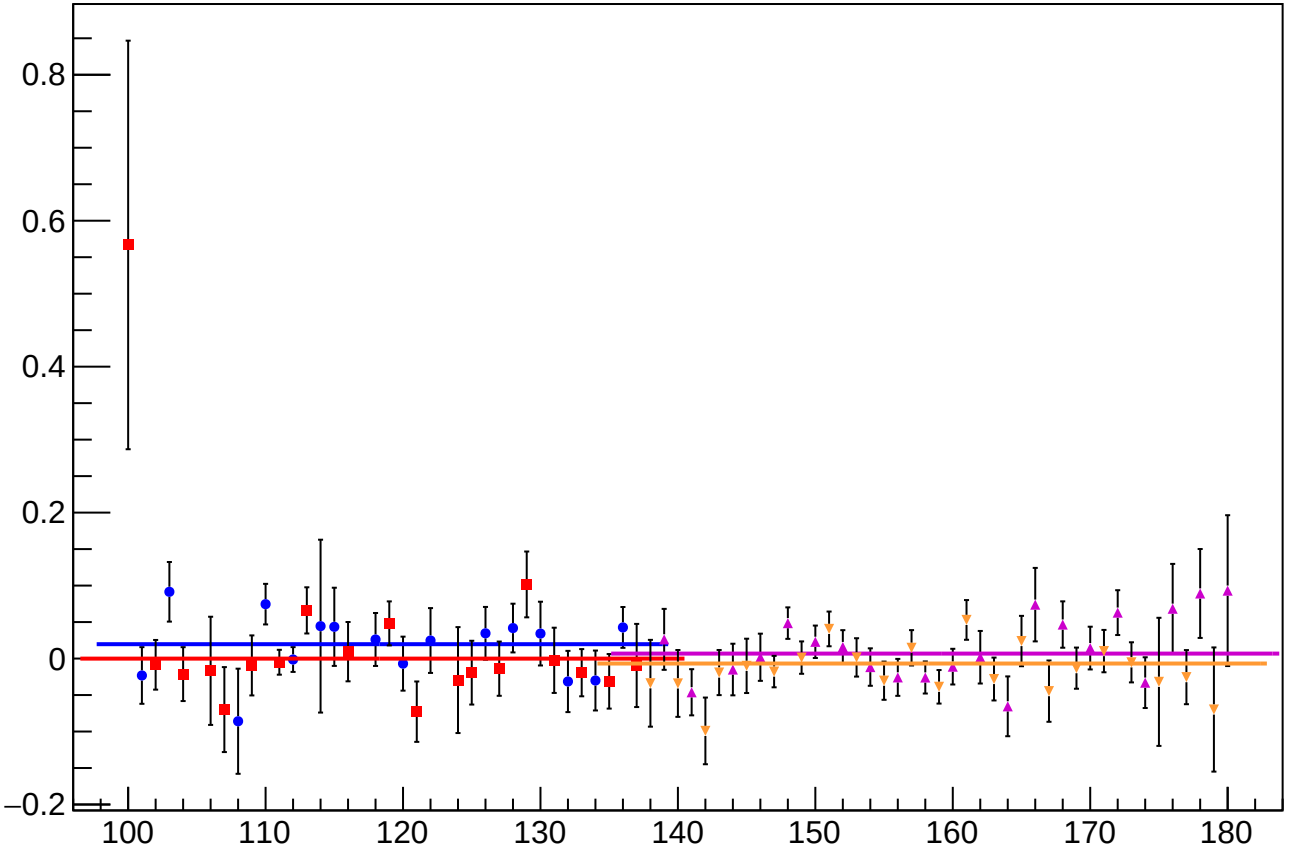
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1937727.3/36

Out: 0.002+/-0.000 χ^2/NDF:2648919.3/40

All: 0.002+/-0.000 χ^2/NDF: 4611719.9/77

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+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.007+/-0.007 χ^2/NDF:27.5/20

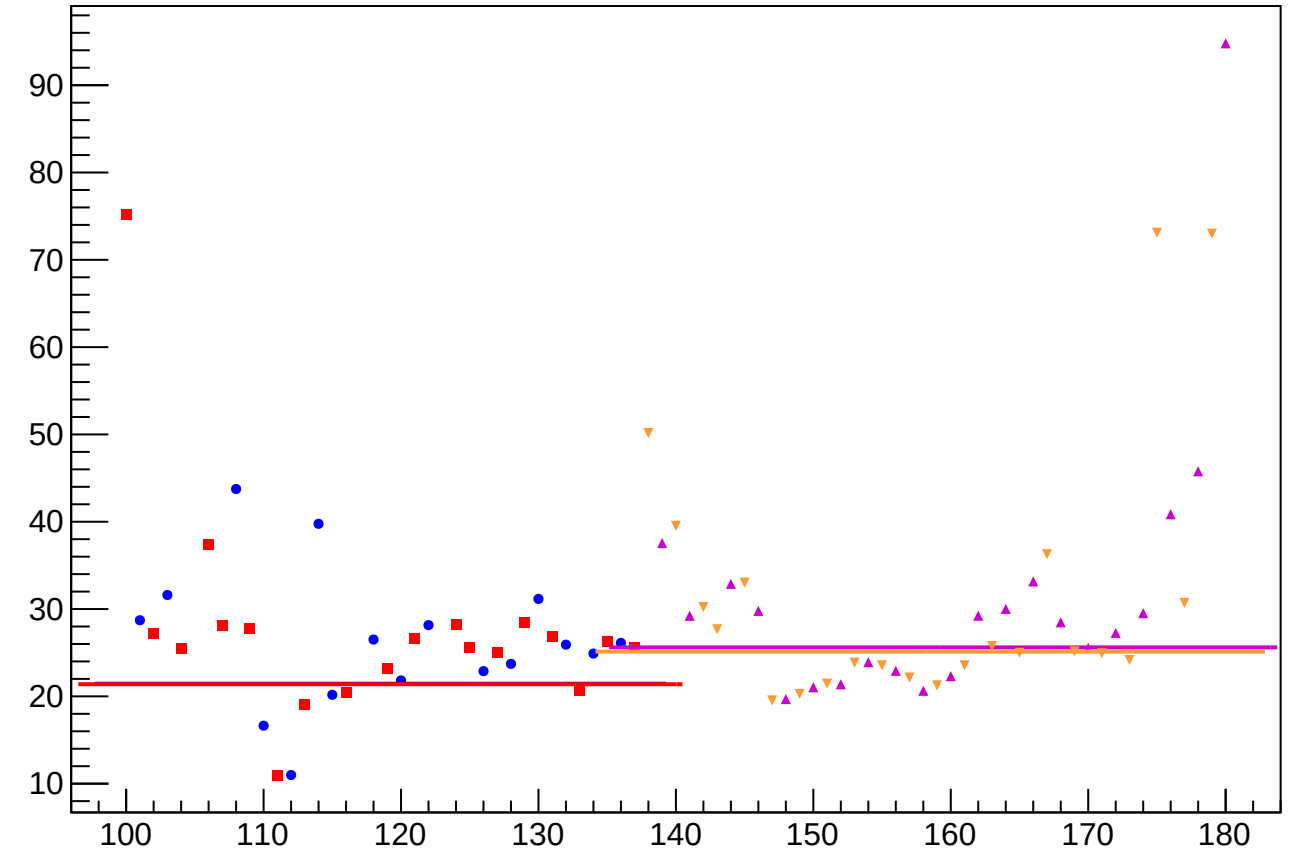
Left: -0.000+/-0.005 χ^2/NDF: 50.7/42

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.012+/-0.005 χ^2/NDF:45.9/36

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.9/77



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

Left: 25.362+/-0.003 χ^2/NDF: 4644889.6/42

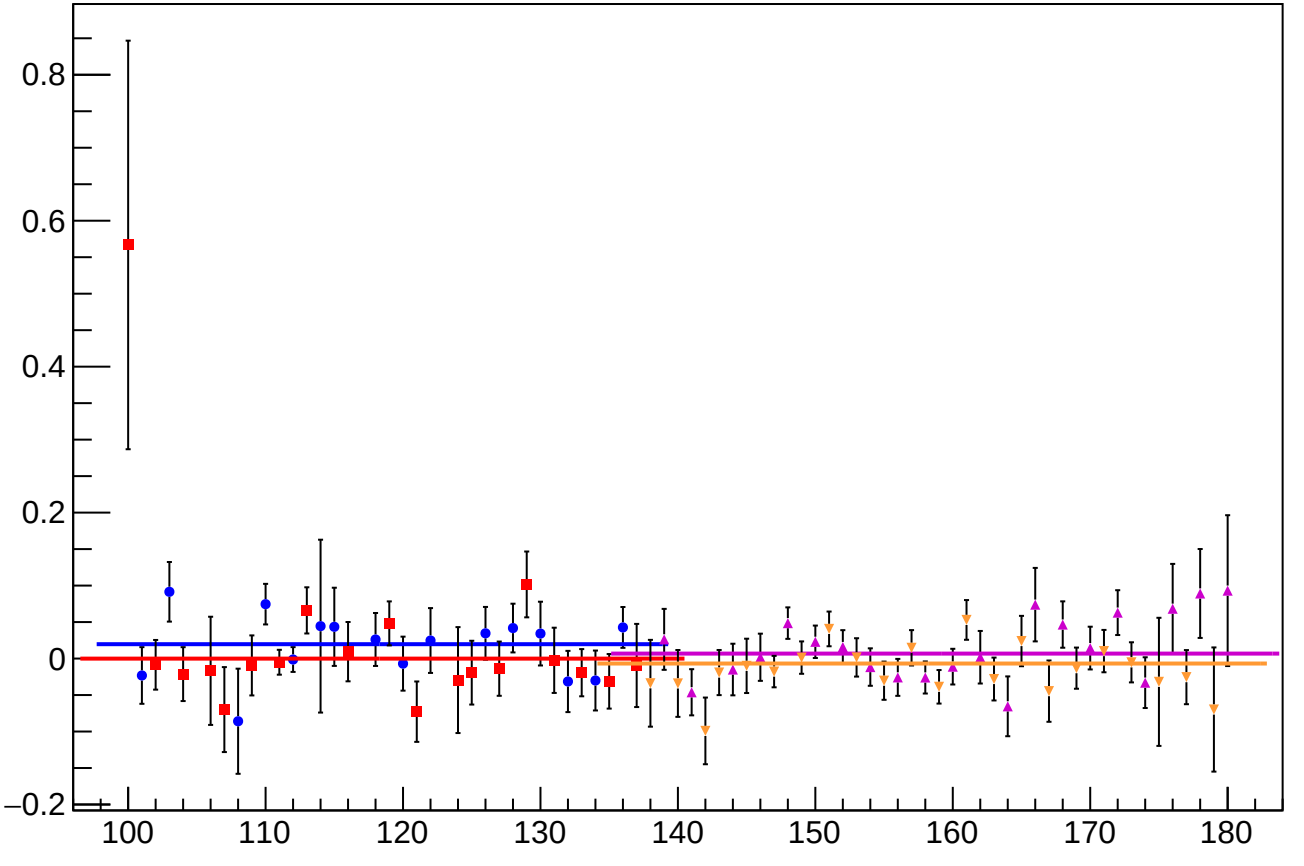
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.070+/-0.004 χ^2/NDF:3986003.5/36

Out: 23.768+/-0.004 χ^2/NDF:4042708.0/40

All: 23.915+/-0.003 χ^2/NDF: 8032085.4/77

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+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.007+/-0.007 χ^2/NDF:27.5/20

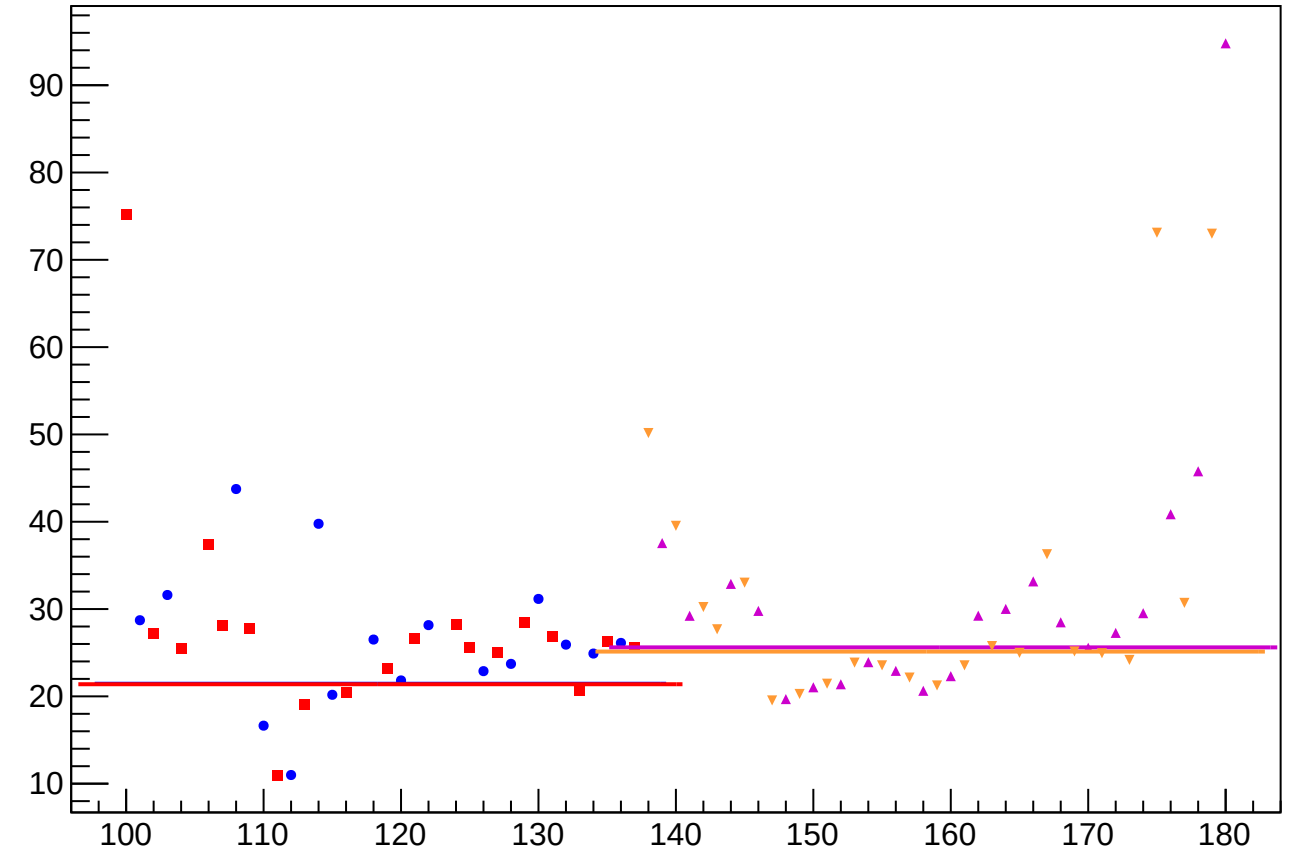
Left: -0.000+/-0.005 χ^2/NDF: 50.7/42

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.012+/-0.005 χ^2/NDF:45.9/36

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.9/77



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.609+/-0.005 χ^2/NDF:2154898.4/20

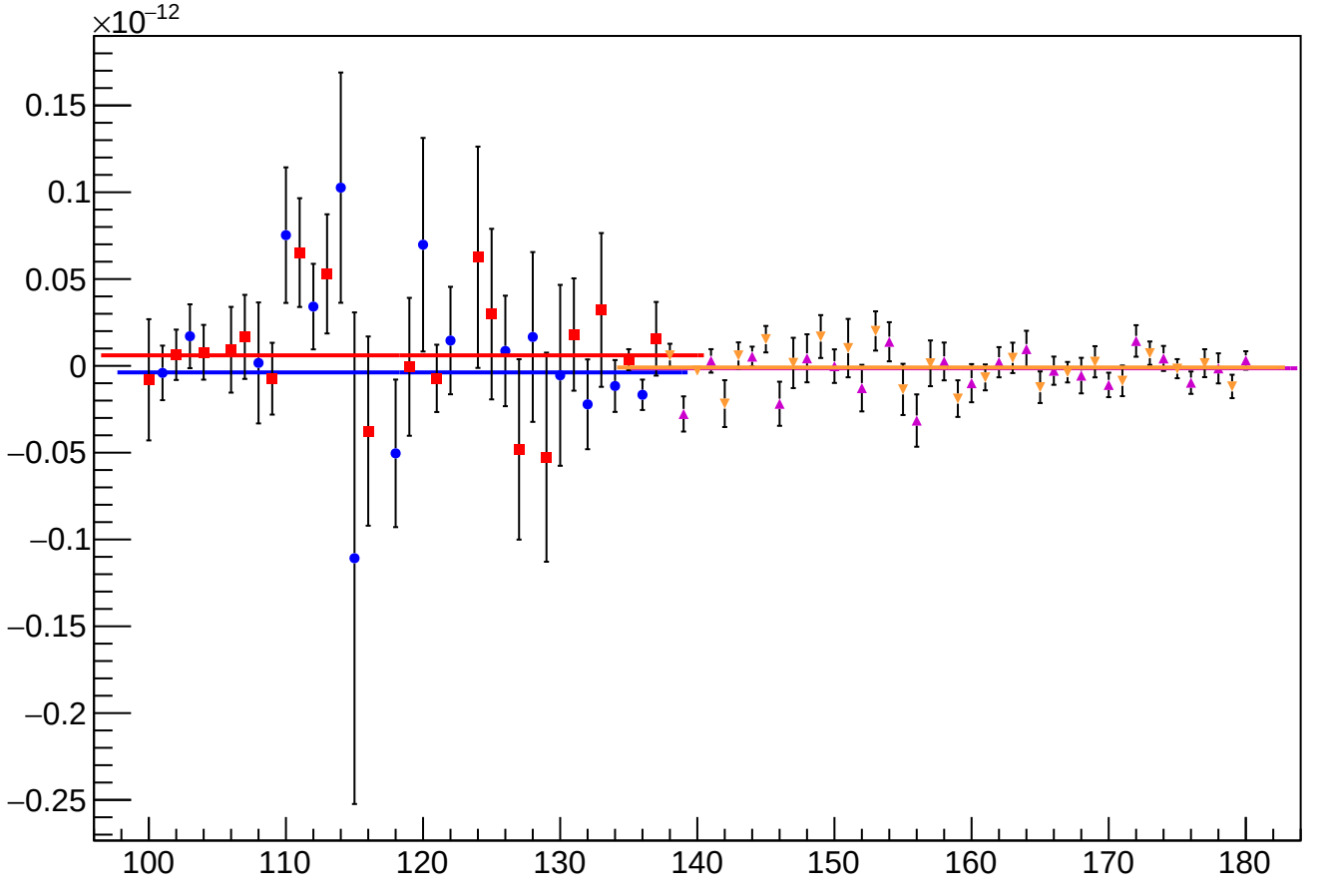
Left: 25.362+/-0.003 χ^2/NDF: 4644889.6/42

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 24.070+/-0.004 χ^2/NDF:3986003.5/36

Out: 23.768+/-0.004 χ^2/NDF:4042708.0/40

All: 23.915+/-0.003 χ^2/NDF: 8032085.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/20

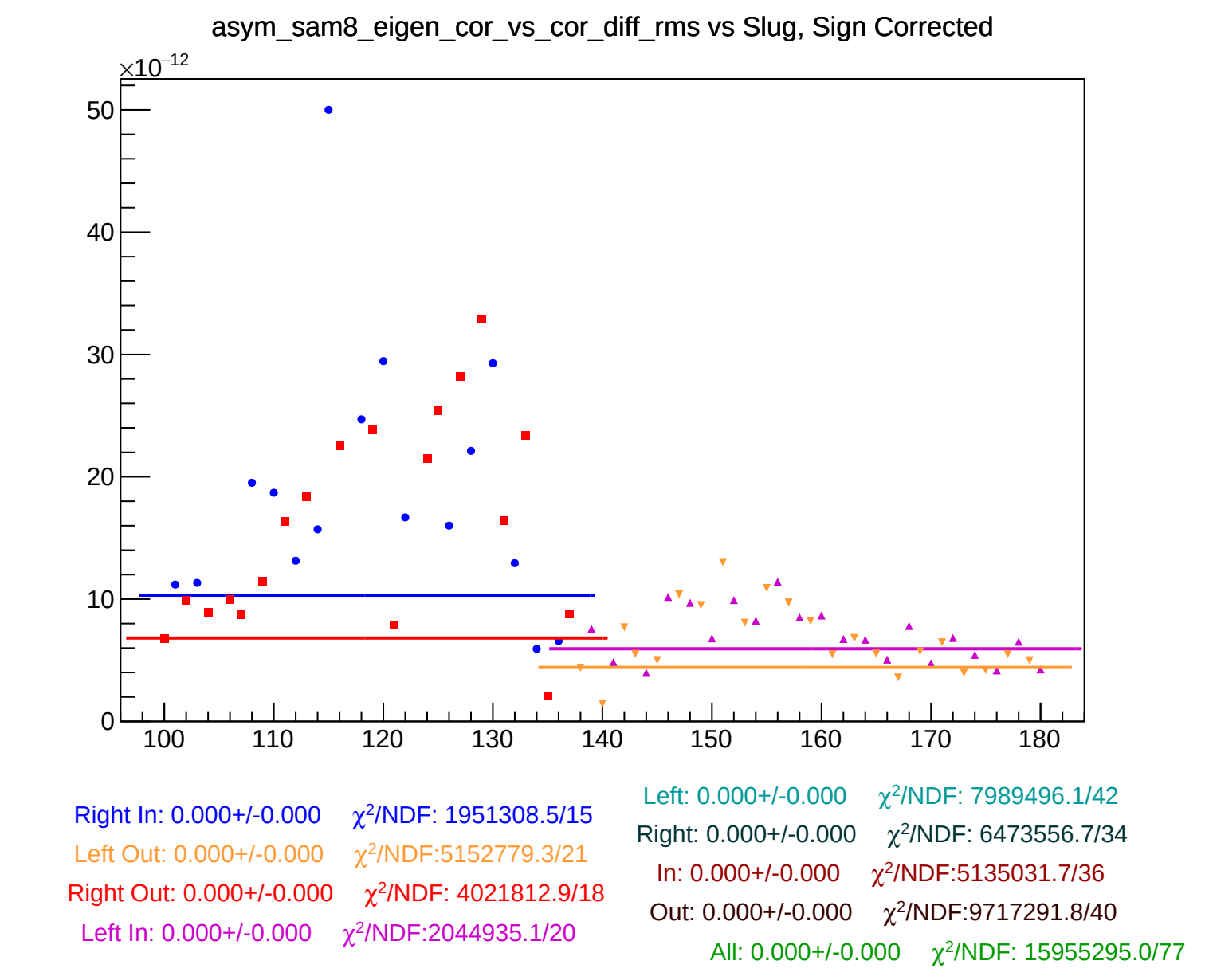
Left: -0.000+/-0.000 χ^2/NDF: 54.8/42

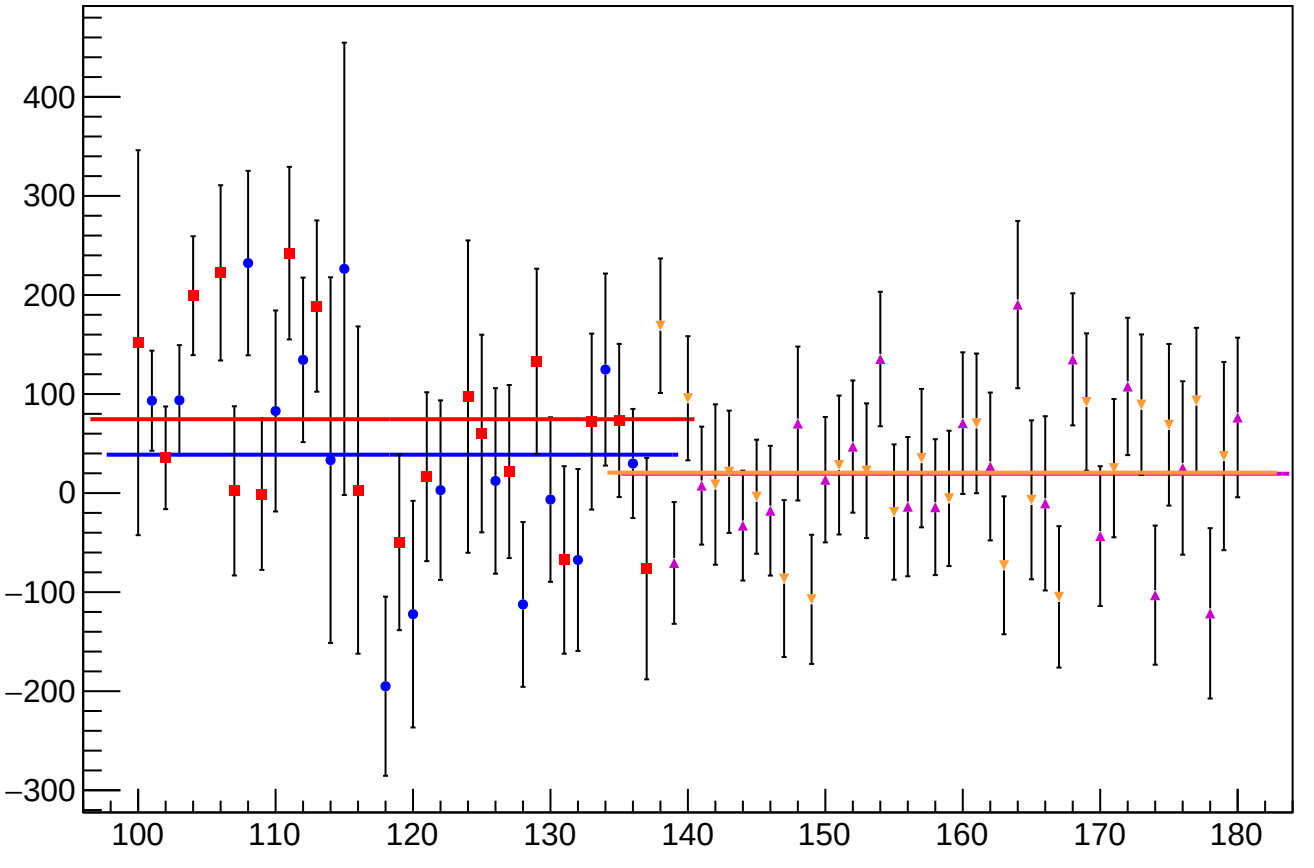
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:45.2/36

Out: -0.000+/-0.000 χ^2/NDF:40.4/40

All: -0.000+/-0.000 χ^2/NDF: 86.1/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5152779.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:2044935.1/20
Left: 0.000+/-0.000 χ²/NDF: 7989496.1/42
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:5135031.7/36
Out: 0.000+/-0.000 χ²/NDF:9717291.8/40
All: 0.000+/-0.000 χ²/NDF: 15955295.0/77



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.629+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 19.547+/-15.290 χ^2/NDF:23.8/20

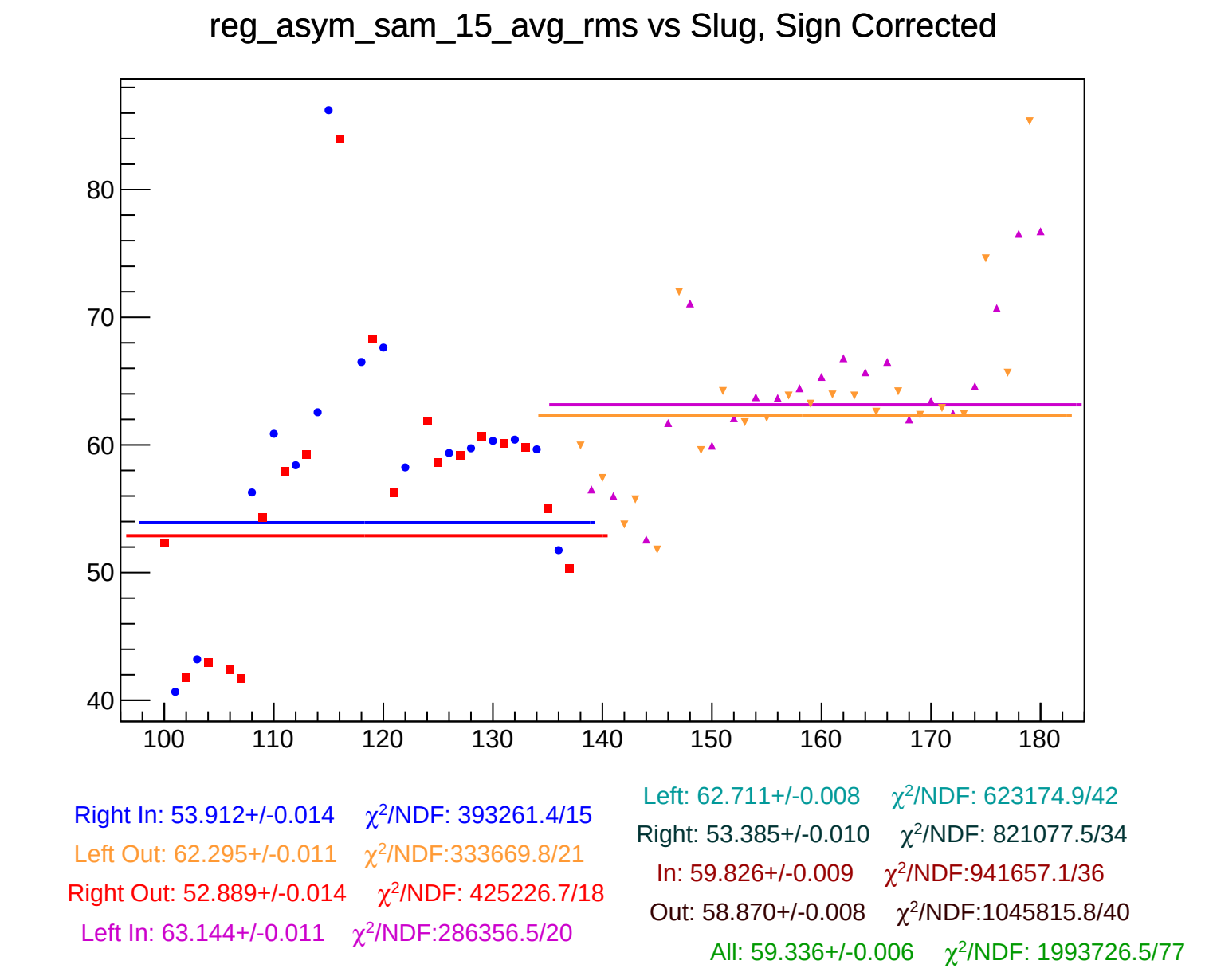
Left: 20.099+/-10.702 χ^2/NDF: 45.2/42

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 26.461+/-12.238 χ^2/NDF:47.6/36

Out: 40.275+/-11.949 χ^2/NDF:48.7/40

All: 33.533+/-8.550 χ^2/NDF: 96.9/77


reg_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
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100
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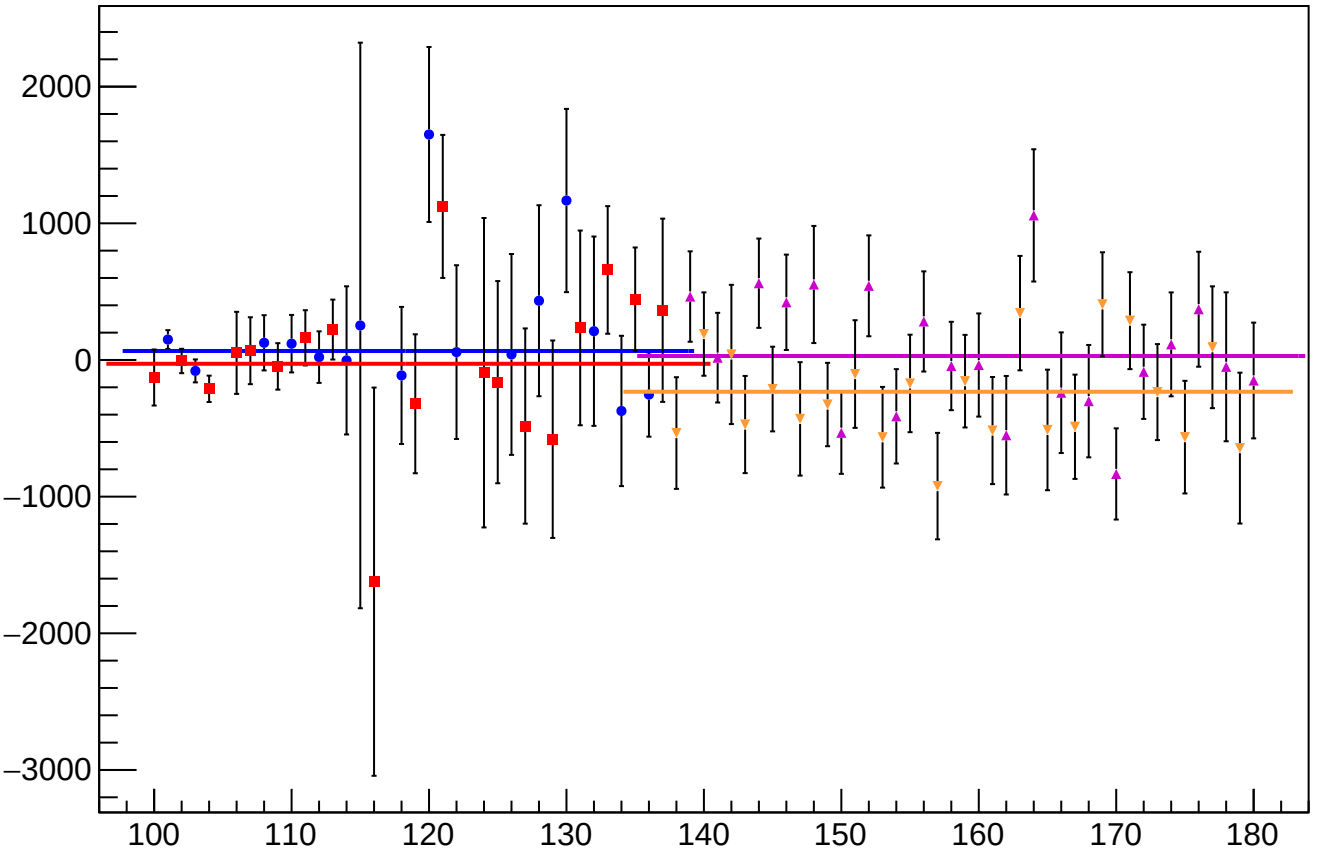
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393261.4/15
Left Out: 62.295+/-0.011 χ²/NDF:333669.8/21
Right Out: 52.889+/-0.014 χ²/NDF: 425226.7/18
Left In: 63.144+/-0.011 χ²/NDF:286356.5/20
Left: 62.711+/-0.008 χ²/NDF: 623174.9/42
Right: 53.385+/-0.010 χ²/NDF: 821077.5/34
In: 59.826+/-0.009 χ²/NDF:941657.1/36
Out: 58.870+/-0.008 χ²/NDF:1045815.8/40
All: 59.336+/-0.006 χ²/NDF: 1993726.5/77



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -232.464+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 29.170+/-81.158 χ^2/NDF:29.8/20

Left: -102.511+/-57.198 χ^2/NDF: 52.7/42

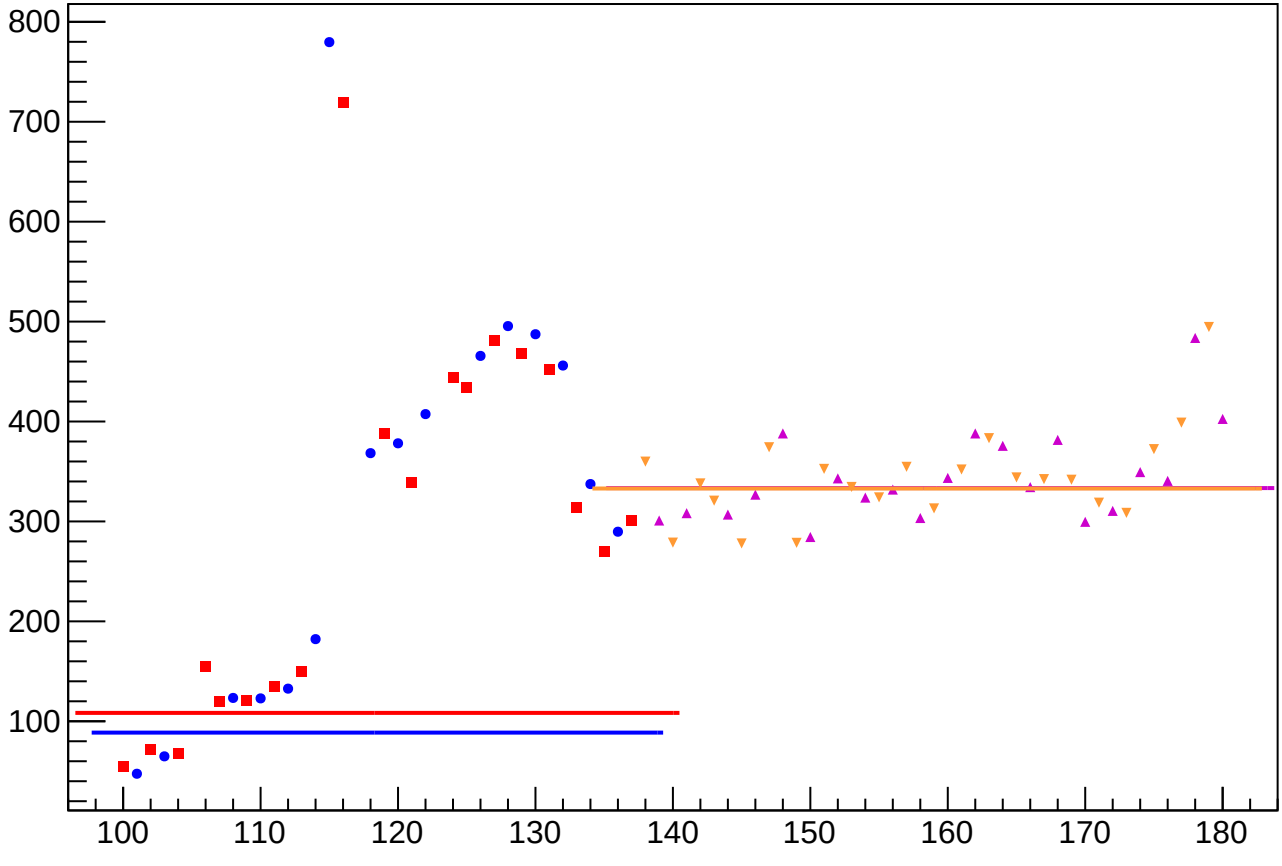
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 56.793+/-40.333 χ^2/NDF:45.7/36

Out: -85.164+/-42.670 χ^2/NDF:40.3/40

All: -10.190+/-29.311 χ^2/NDF: 91.8/77

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: 332.952+/-0.057 χ^2/NDF:523587.7/21

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 333.380+/-0.057 χ^2/NDF:465494.6/20

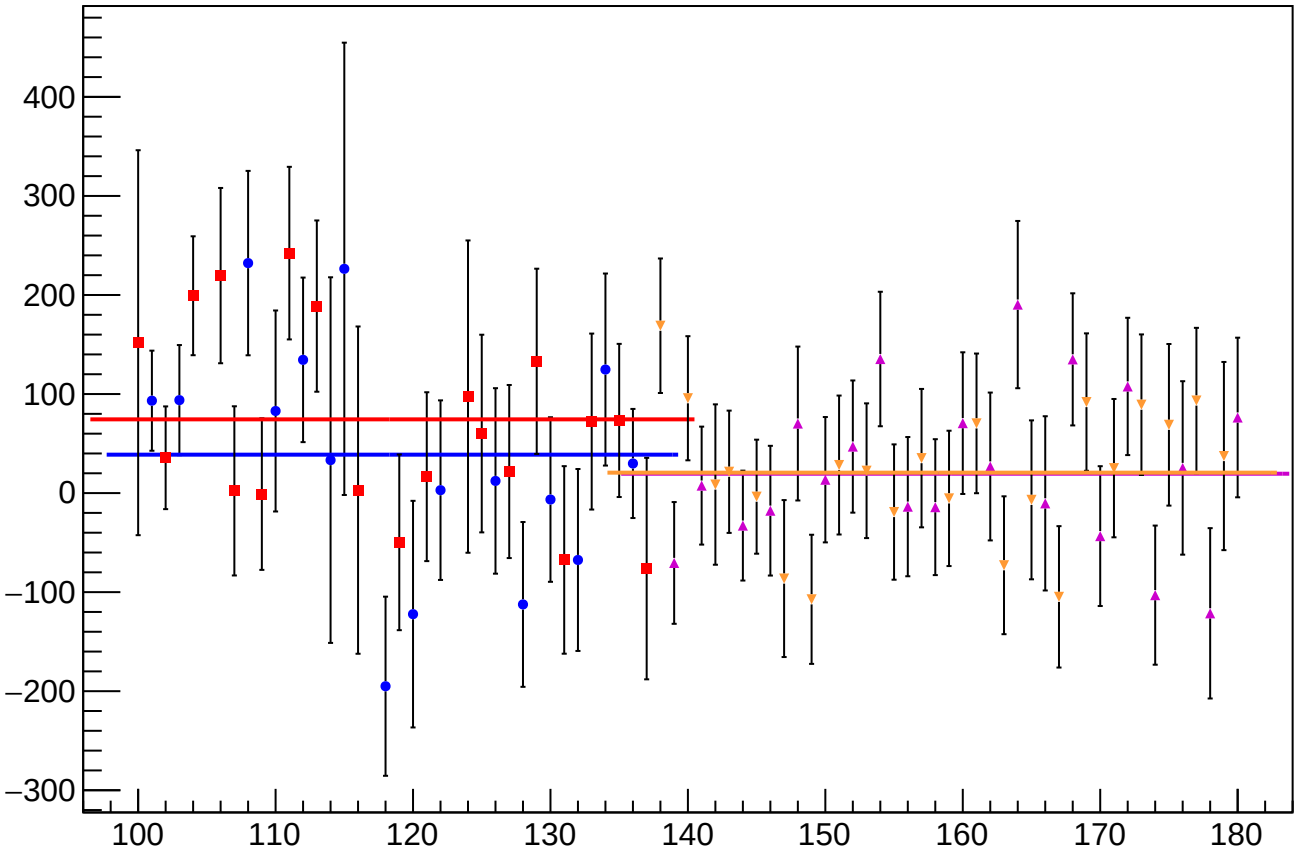
Left: 333.165+/-0.040 χ^2/NDF: 989110.2/42

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 149.097+/-0.029 χ^2/NDF:20807239.1/36

Out: 171.288+/-0.030 χ^2/NDF:17056665.0/40

All: 159.568+/-0.021 χ^2/NDF: 38149584.3/77



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 19.547+/-15.290 χ^2/NDF:23.8/20

Left: 20.100+/-10.702 χ^2/NDF: 45.2/42

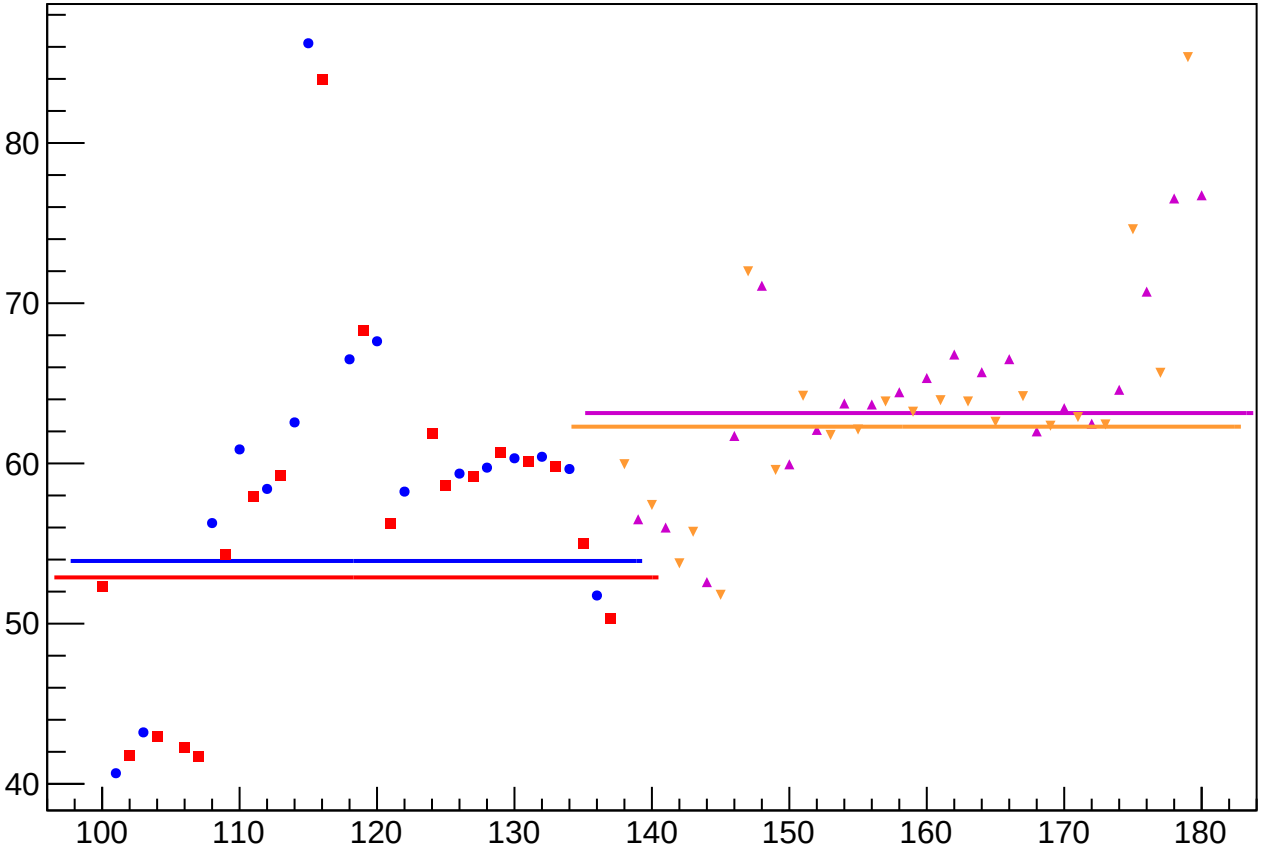
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.464+/-12.238 χ^2/NDF:47.6/36

Out: 40.224+/-11.950 χ^2/NDF:48.5/40

All: 33.508+/-8.550 χ^2/NDF: 96.8/77

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 62.295+/-0.011 χ^2/NDF:333669.8/21

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 63.144+/-0.011 χ^2/NDF:286356.5/20

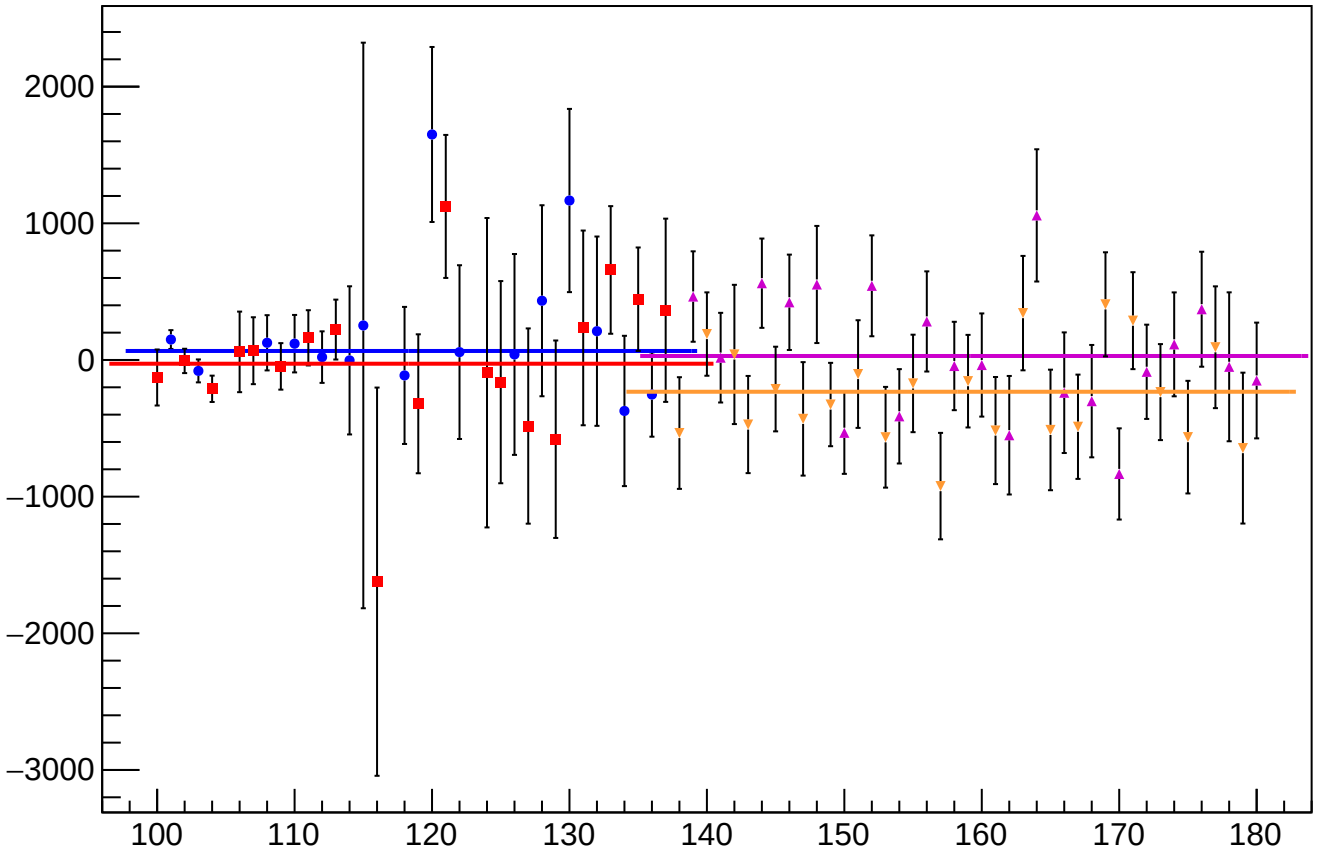
Left: 62.711+/-0.008 χ^2/NDF: 623175.0/42

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 59.826+/-0.009 χ^2/NDF:941656.1/36

Out: 58.869+/-0.008 χ^2/NDF:1046234.5/40

All: 59.336+/-0.006 χ^2/NDF: 1994150.8/77



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 29.167+/-81.158 χ^2/NDF:29.8/20

Left: -102.512+/-57.198 χ^2/NDF: 52.7/42

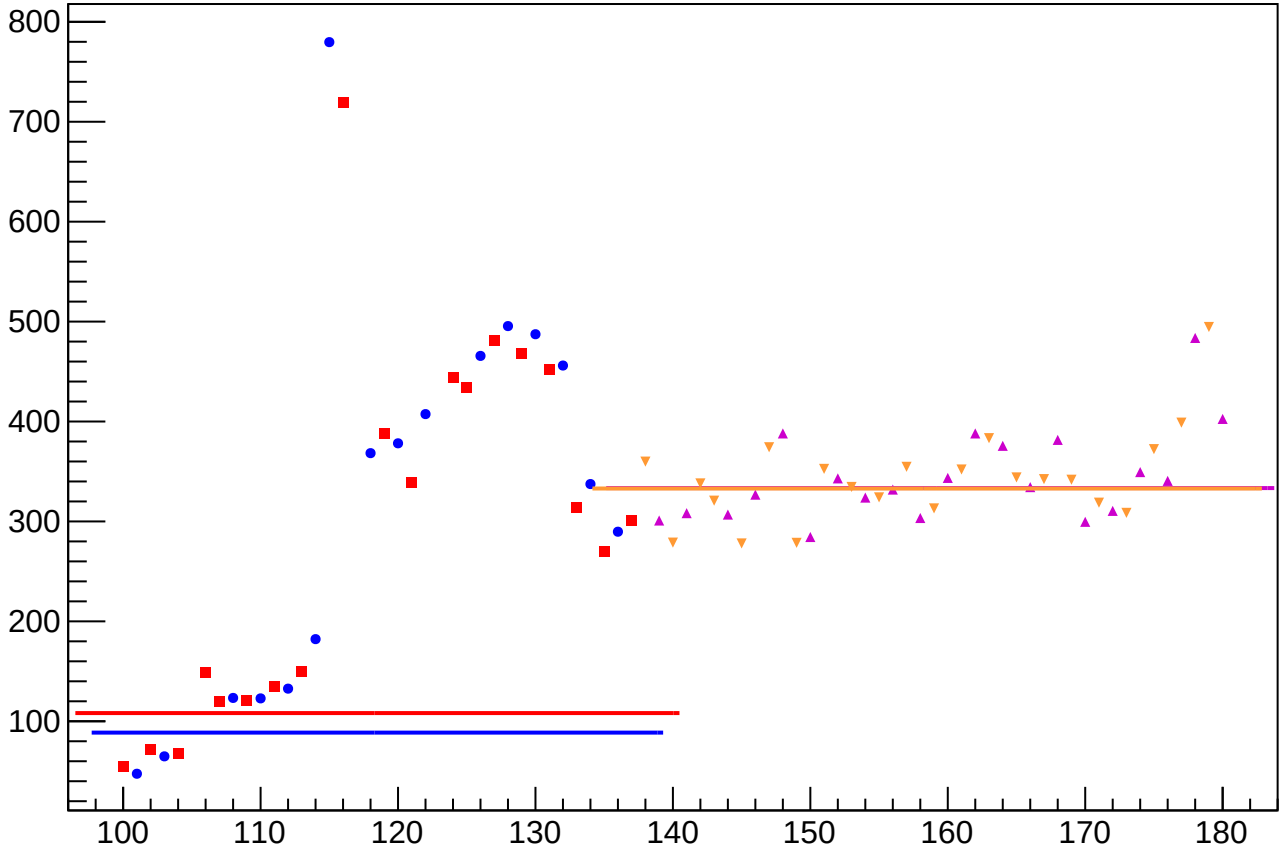
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 56.796+/-40.332 χ^2/NDF:45.7/36

Out: -84.774+/-42.644 χ^2/NDF:40.3/40

All: -10.047+/-29.302 χ^2/NDF: 91.8/77

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: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

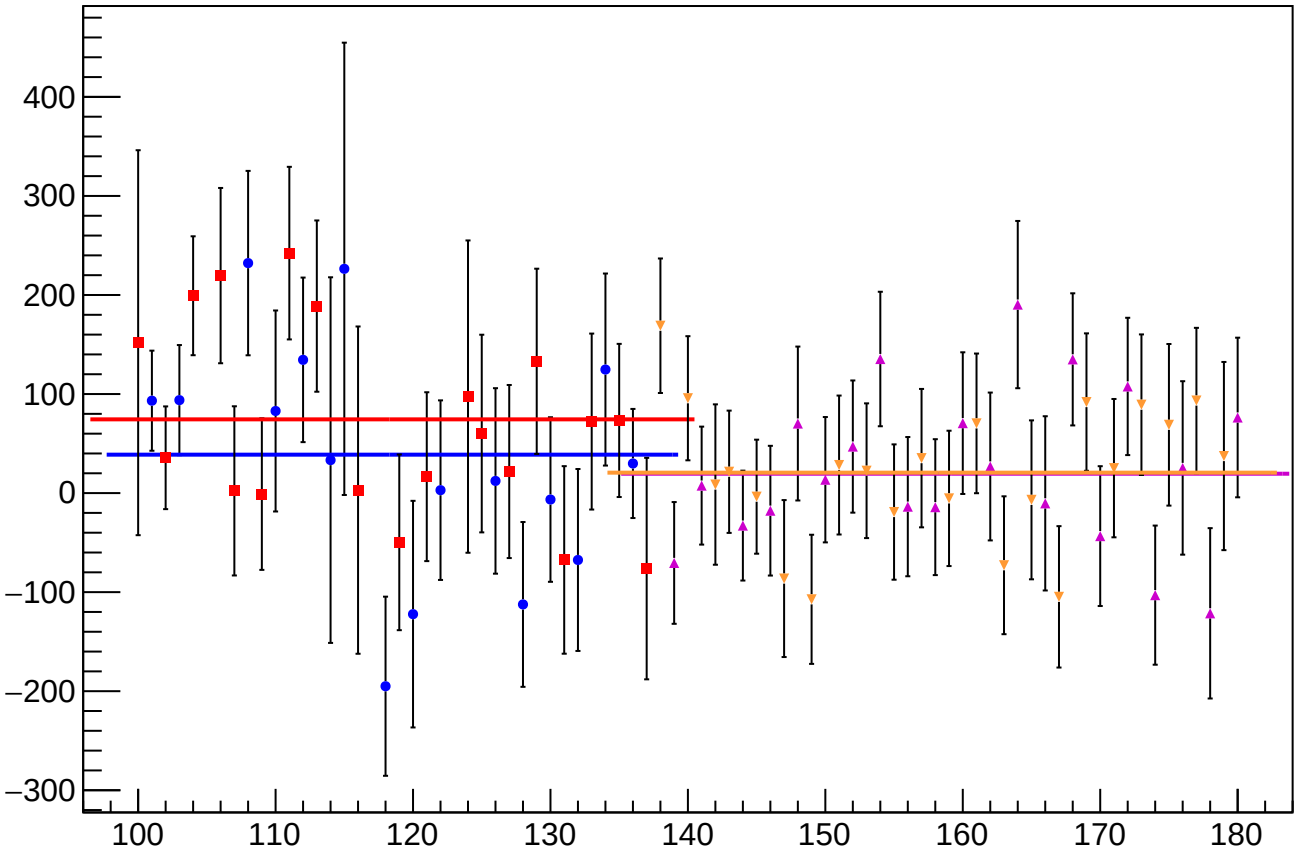
Left: 333.165+/-0.040 χ^2/NDF: 989112.8/42

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 149.093+/-0.029 χ^2/NDF:20807744.1/36

Out: 171.083+/-0.030 χ^2/NDF:17071794.9/40

All: 159.476+/-0.021 χ^2/NDF: 38160235.1/77



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 19.547+/-15.290 χ^2/NDF:23.8/20

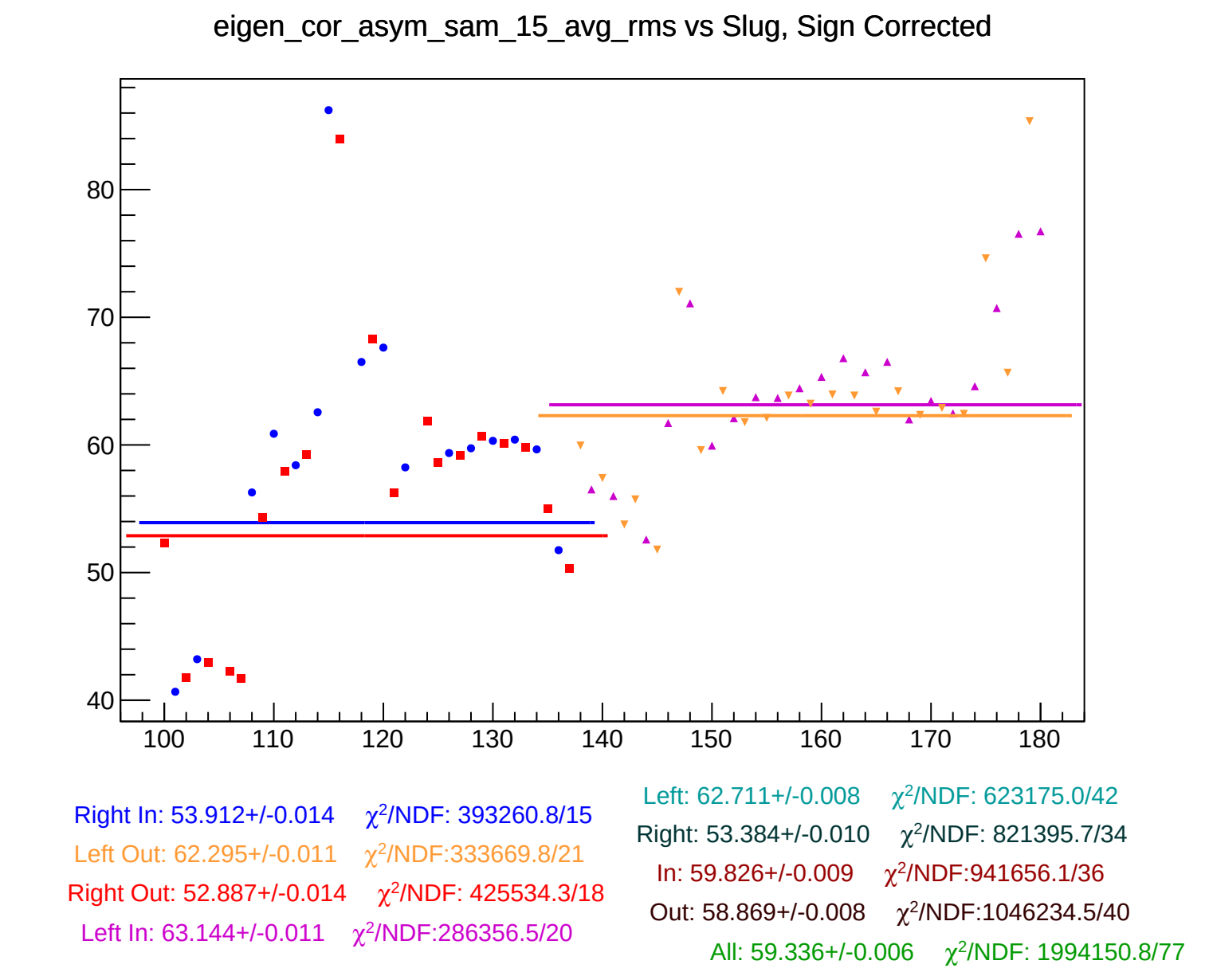
Left: 20.100+/-10.702 χ^2/NDF: 45.2/42

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.464+/-12.238 χ^2/NDF:47.6/36

Out: 40.224+/-11.950 χ^2/NDF:48.5/40

All: 33.508+/-8.550 χ^2/NDF: 96.8/77


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
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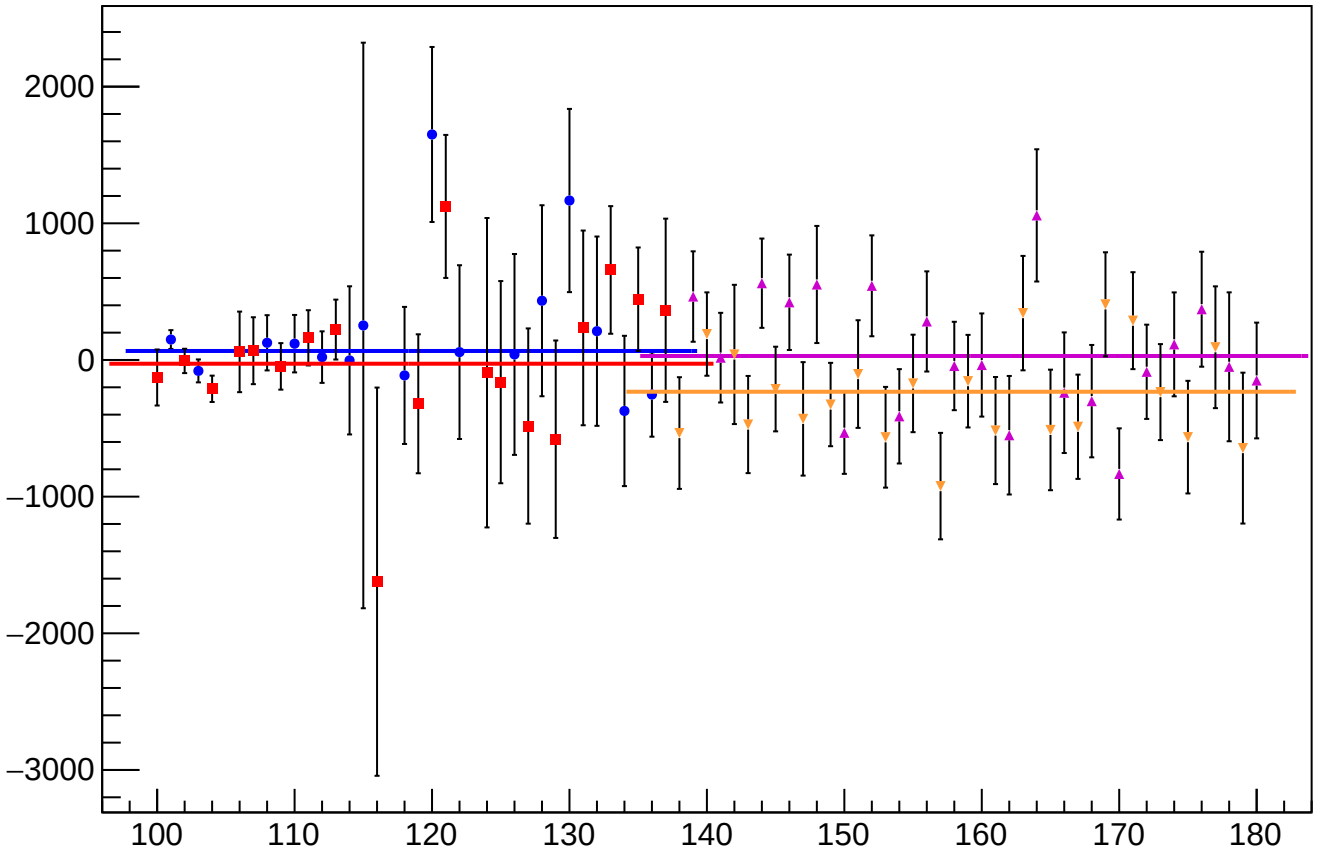
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 62.295+/-0.011 χ²/NDF:333669.8/21
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 63.144+/-0.011 χ²/NDF:286356.5/20
Left: 62.711+/-0.008 χ²/NDF: 623175.0/42
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 59.826+/-0.009 χ²/NDF:941656.1/36
Out: 58.869+/-0.008 χ²/NDF:1046234.5/40
All: 59.336+/-0.006 χ²/NDF: 1994150.8/77



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 29.167+/-81.158 χ^2/NDF:29.8/20

Left: -102.512+/-57.198 χ^2/NDF: 52.7/42

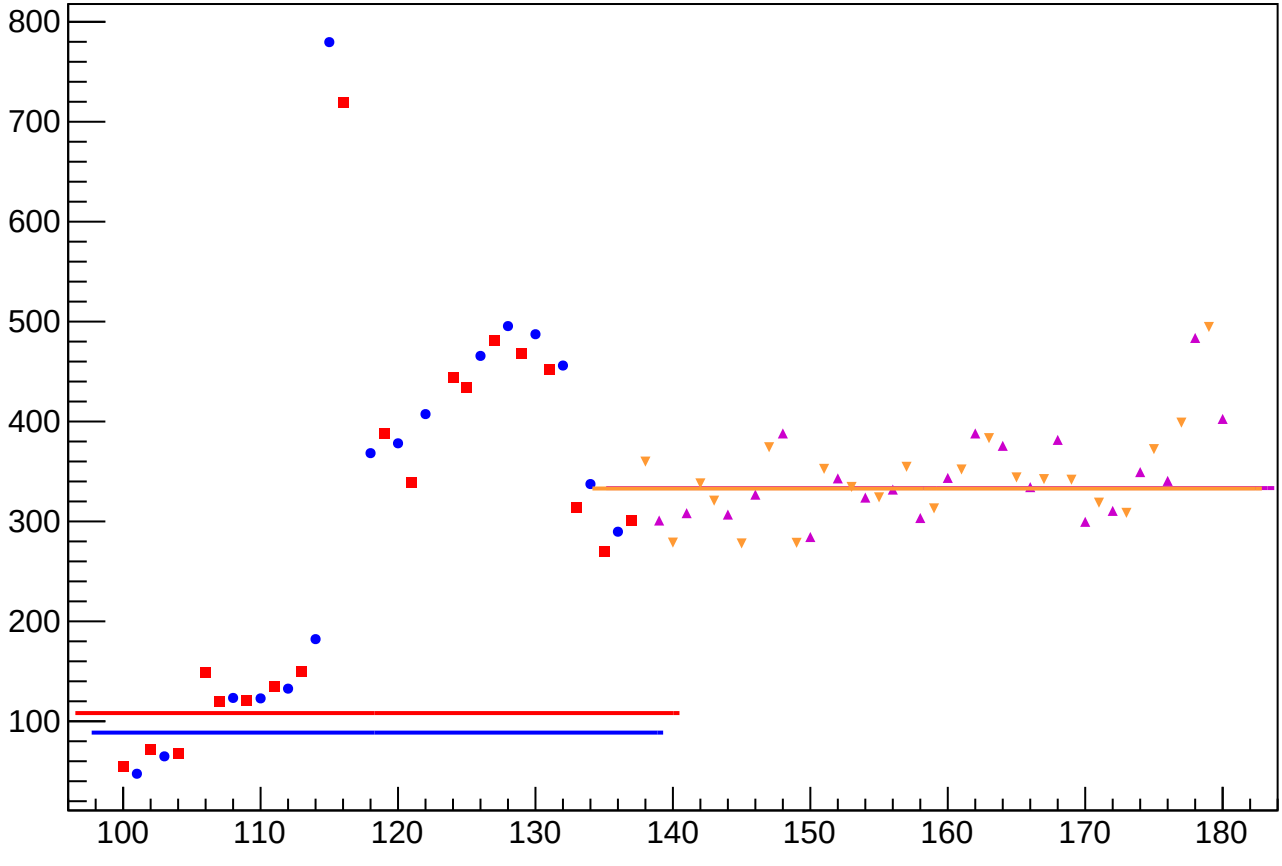
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 56.796+/-40.332 χ^2/NDF:45.7/36

Out: -84.774+/-42.644 χ^2/NDF:40.3/40

All: -10.047+/-29.302 χ^2/NDF: 91.8/77

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: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 333.379+/-0.057 χ^2/NDF:465500.0/20

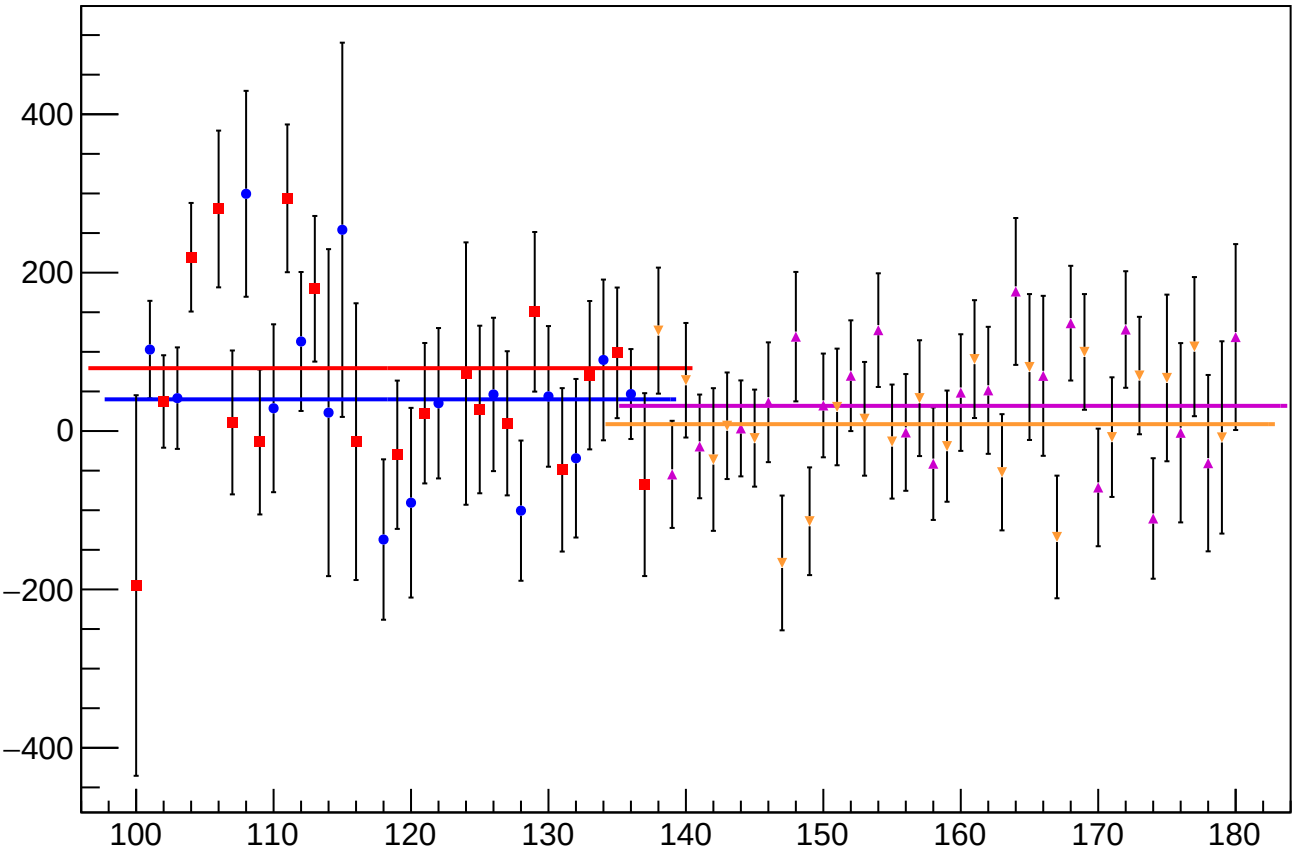
Left: 333.165+/-0.040 χ^2/NDF: 989112.8/42

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 149.093+/-0.029 χ^2/NDF:20807744.1/36

Out: 171.083+/-0.030 χ^2/NDF:17071794.9/40

All: 159.476+/-0.021 χ^2/NDF: 38160235.1/77



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.687+/-16.312 χ^2/NDF:20.9/21

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.809+/-16.719 χ^2/NDF:19.9/20

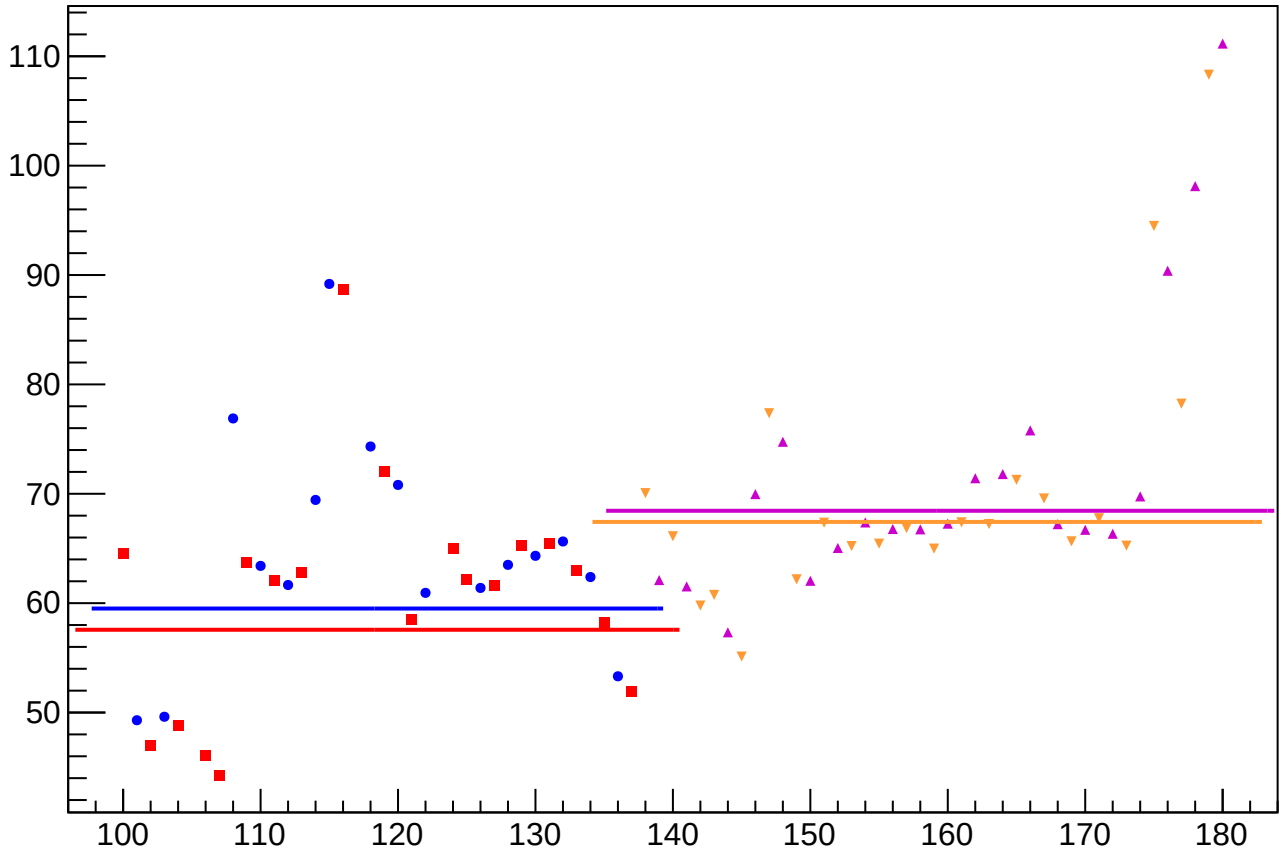
Left: 19.963+/-11.676 χ^2/NDF: 41.8/42

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 34.731+/-13.423 χ^2/NDF:34.1/36

Out: 34.397+/-13.012 χ^2/NDF:52.6/40

All: 34.558+/-9.343 χ^2/NDF: 86.7/77



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.427+/-0.012 χ^2/NDF:560151.4/21

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 68.446+/-0.012 χ^2/NDF:648781.7/20

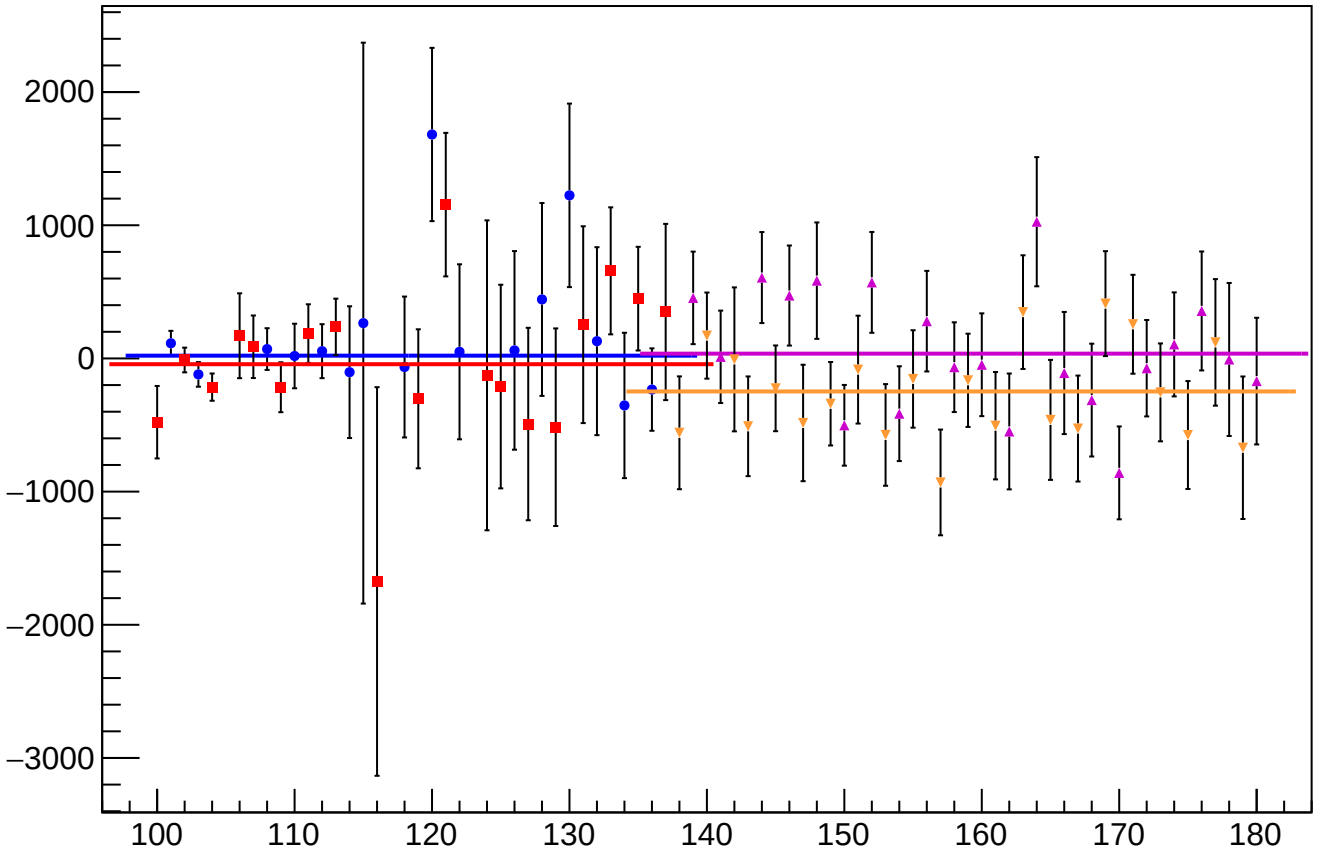
Left: 67.924+/-0.008 χ^2/NDF: 1212742.0/42

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 65.270+/-0.009 χ^2/NDF:1135124.9/36

Out: 63.841+/-0.009 χ^2/NDF:1173288.7/40

All: 64.533+/-0.007 χ^2/NDF: 2320093.7/77



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.005+/-83.416 χ^2/NDF:16.9/21

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 35.972+/-84.362 χ^2/NDF:28.7/20

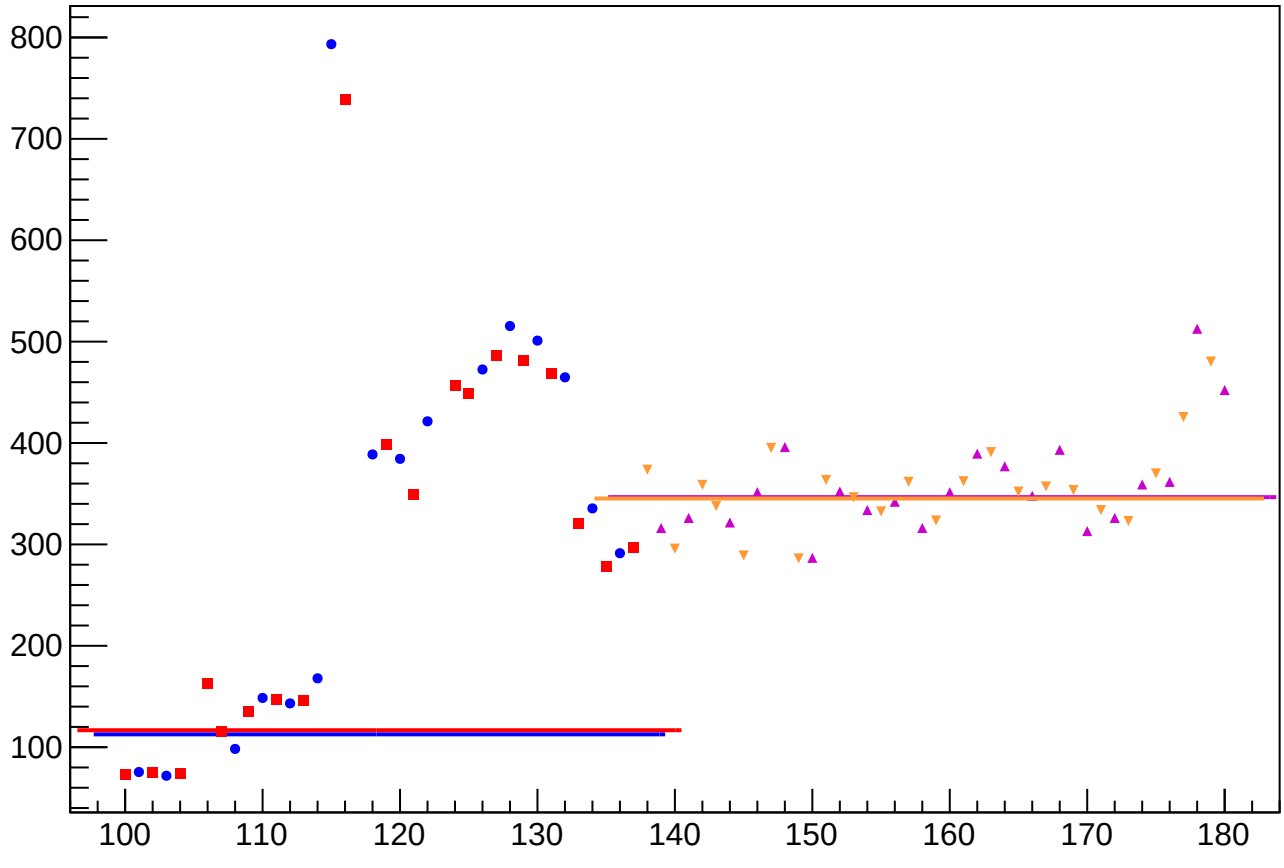
Left: -107.617+/-59.316 χ^2/NDF: 51.3/42

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 25.190+/-45.232 χ^2/NDF:43.3/36

Out: -102.477+/-44.860 χ^2/NDF:42.7/40

All: -39.170+/-31.852 χ^2/NDF: 90.0/77



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 345.258+/-0.059 χ^2/NDF:464147.0/21

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 346.608+/-0.060 χ^2/NDF:503397.9/20

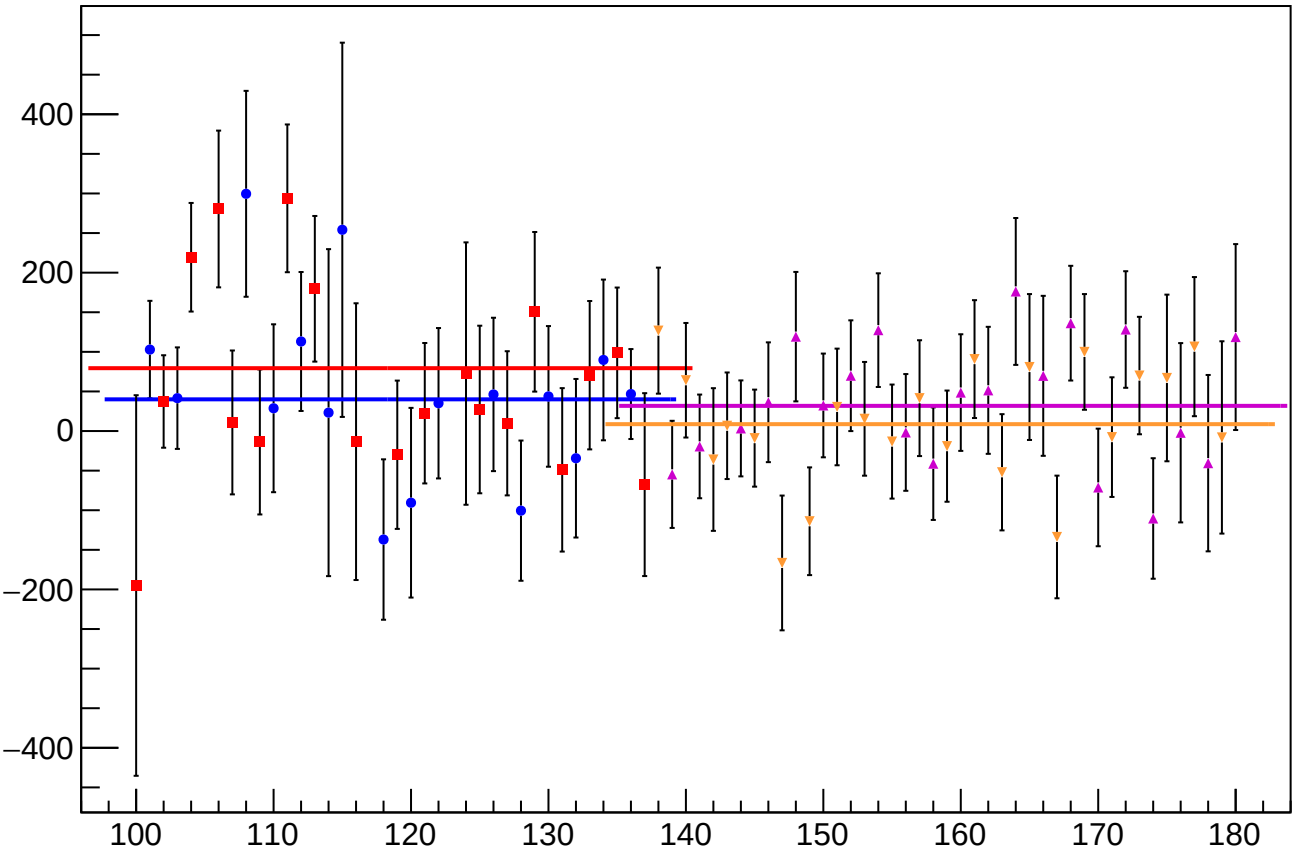
Left: 345.926+/-0.042 χ^2/NDF: 967804.1/42

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 179.919+/-0.032 χ^2/NDF:17061414.4/36

Out: 182.826+/-0.032 χ^2/NDF:16274741.0/40

All: 181.385+/-0.023 χ^2/NDF: 33340319.6/77



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.688+/-16.312 χ^2/NDF:20.9/21

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.809+/-16.719 χ^2/NDF:19.9/20

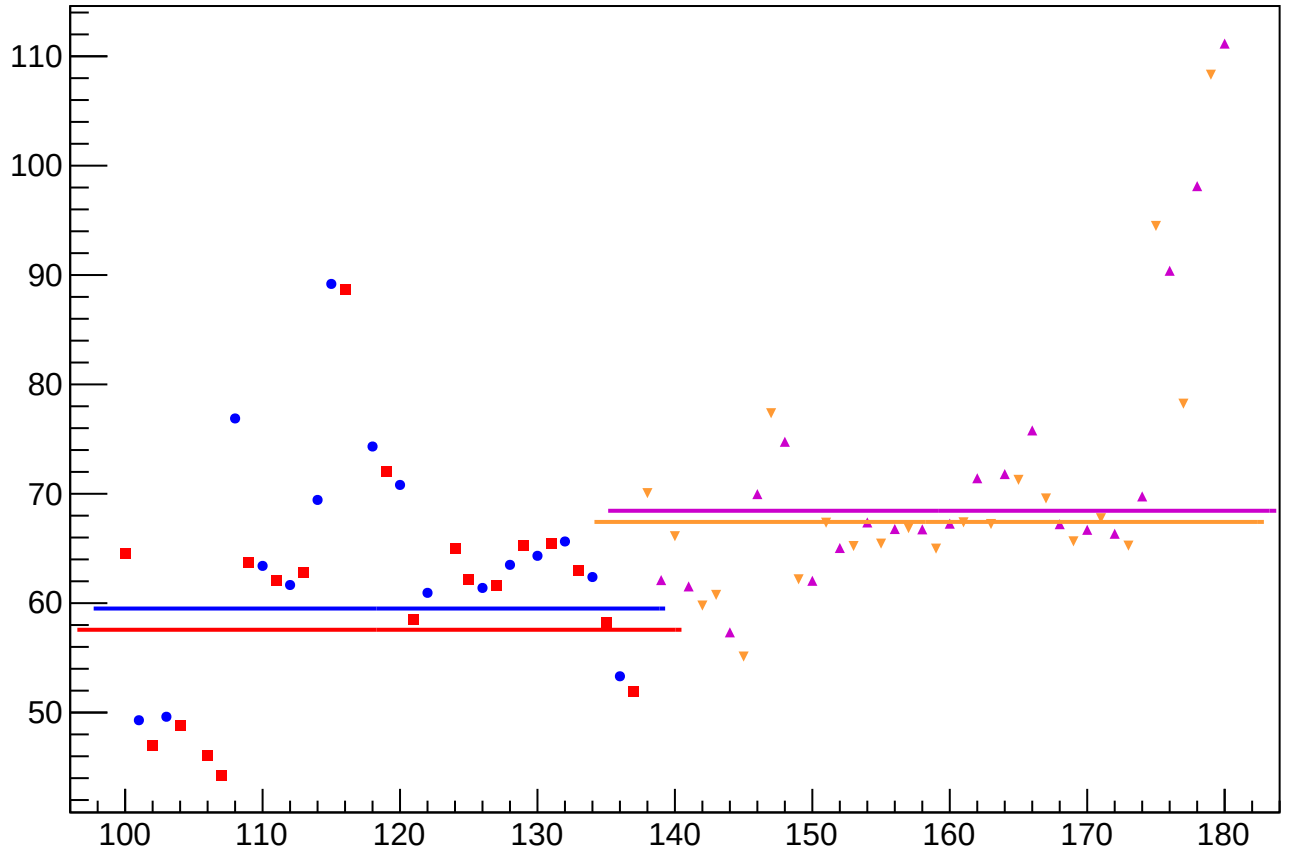
Left: 19.964+/-11.676 χ^2/NDF: 41.8/42

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 34.731+/-13.423 χ^2/NDF:34.1/36

Out: 34.397+/-13.012 χ^2/NDF:52.6/40

All: 34.559+/-9.343 χ^2/NDF: 86.7/77



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 67.427+/-0.012 χ^2/NDF:560140.0/21

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 68.447+/-0.012 χ^2/NDF:648767.4/20

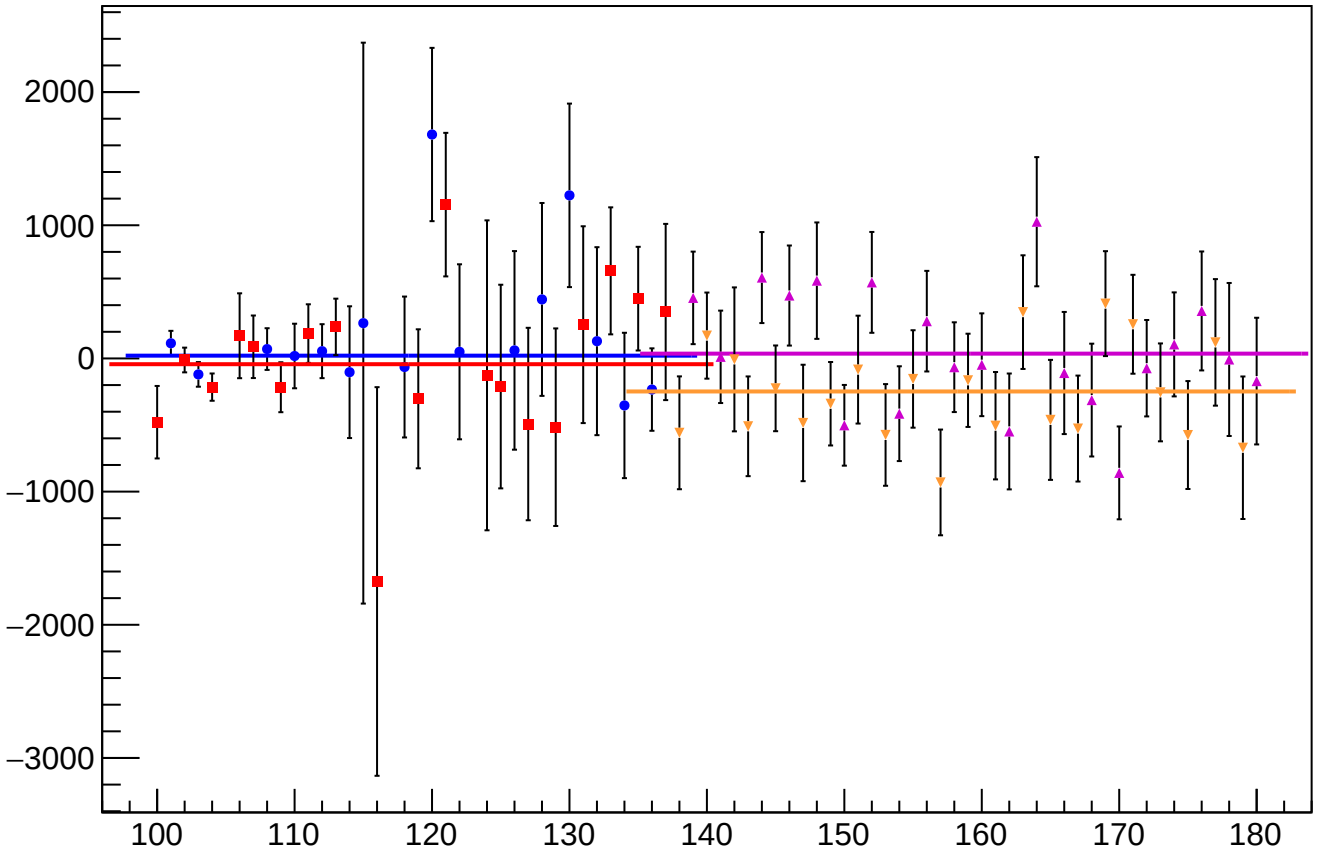
Left: 67.924+/-0.008 χ^2/NDF: 1212716.9/42

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 65.270+/-0.009 χ^2/NDF:1135119.1/36

Out: 63.841+/-0.009 χ^2/NDF:1173282.6/40

All: 64.533+/-0.007 χ^2/NDF: 2320082.3/77



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.004+/-83.417 χ^2/NDF:16.9/21

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 35.972+/-84.362 χ^2/NDF:28.7/20

Left: -107.617+/-59.316 χ^2/NDF: 51.3/42

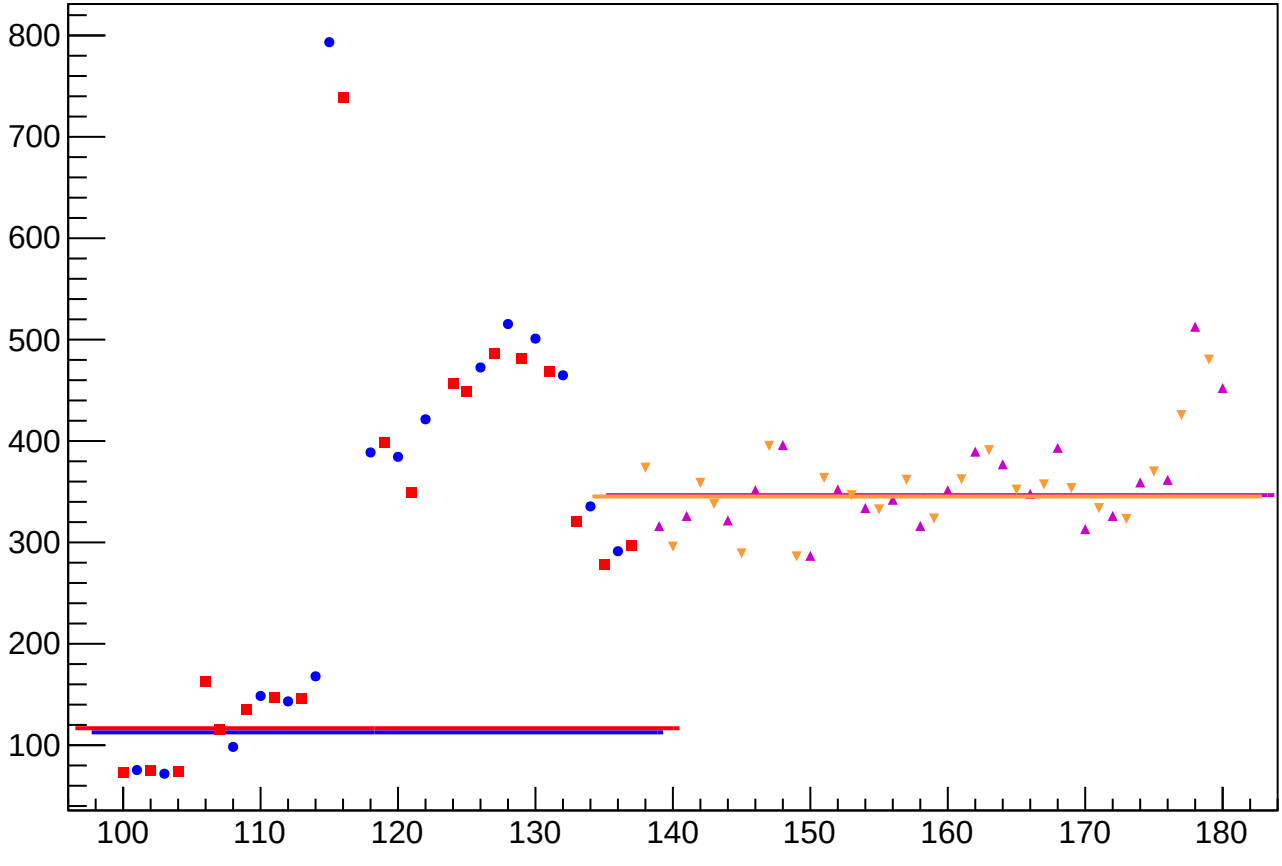
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 25.190+/-45.232 χ^2/NDF:43.3/36

Out: -102.476+/-44.860 χ^2/NDF:42.7/40

All: -39.170+/-31.852 χ^2/NDF: 90.0/77

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: 345.259+/-0.059 χ^2/NDF:464142.1/21

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 346.609+/-0.060 χ^2/NDF:503391.7/20

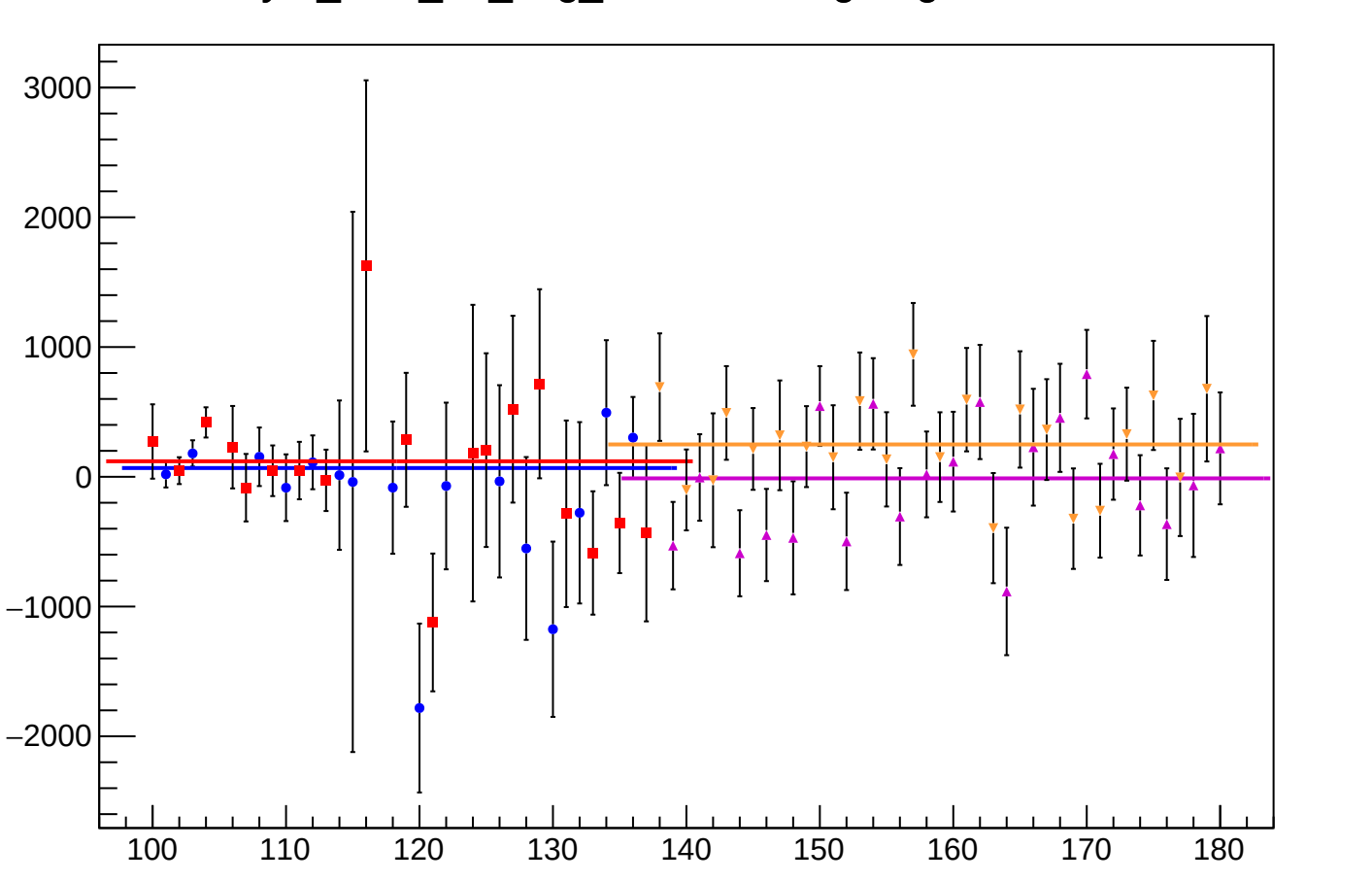
Left: 345.926+/-0.042 χ^2/NDF: 967793.0/42

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 179.919+/-0.032 χ^2/NDF:17061472.3/36

Out: 182.826+/-0.032 χ^2/NDF:16274820.4/40

All: 181.384+/-0.023 χ^2/NDF: 33340456.5/77



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 249.425+/-82.074 χ^2/NDF:16.7/21

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -12.132+/-82.654 χ^2/NDF:29.9/20

Left: 119.568+/-58.239 χ^2/NDF: 51.7/42

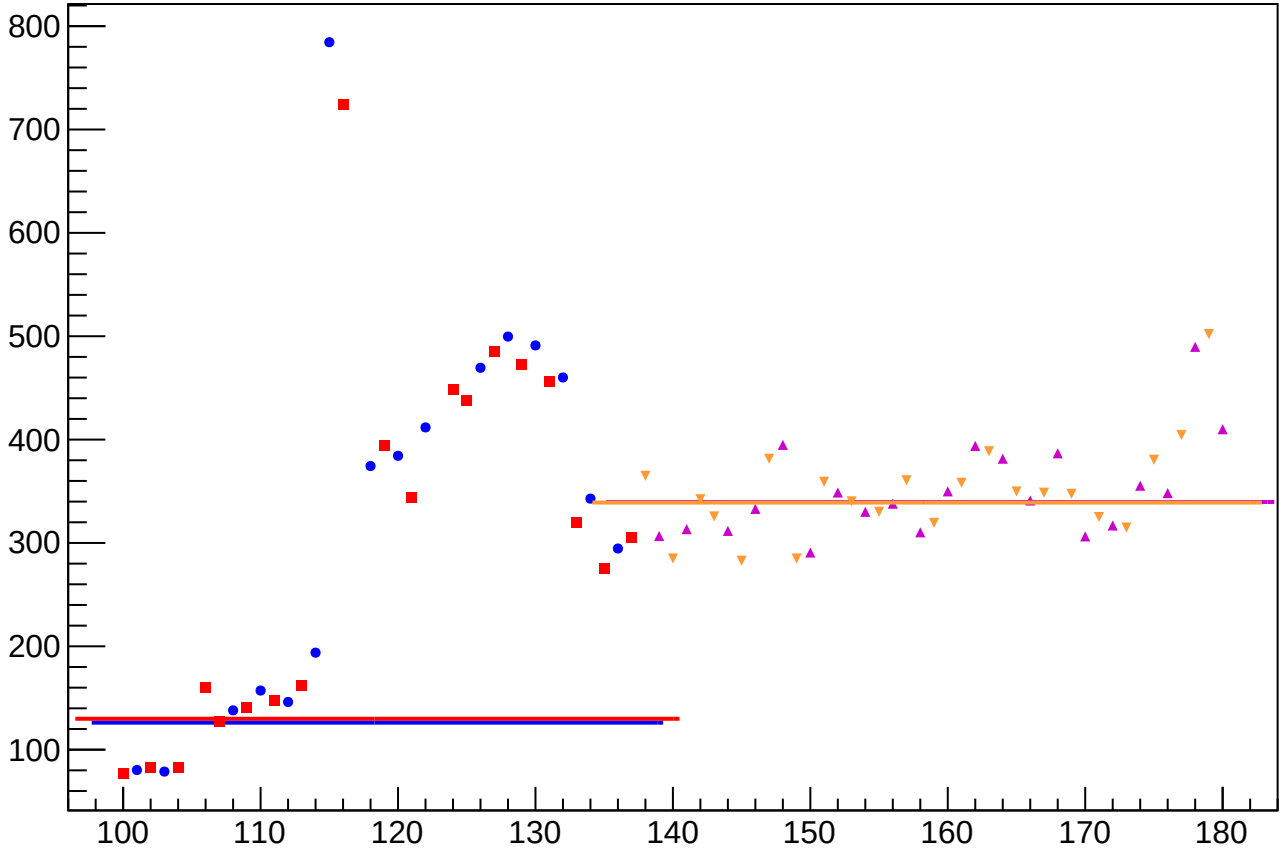
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 40.599+/-48.112 χ^2/NDF:46.3/36

Out: 162.805+/-47.334 χ^2/NDF:39.5/40

All: 102.697+/-33.742 χ^2/NDF: 89.2/77

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 339.089+/-0.058 χ^2/NDF:511601.0/21

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 339.654+/-0.058 χ^2/NDF:452504.0/20

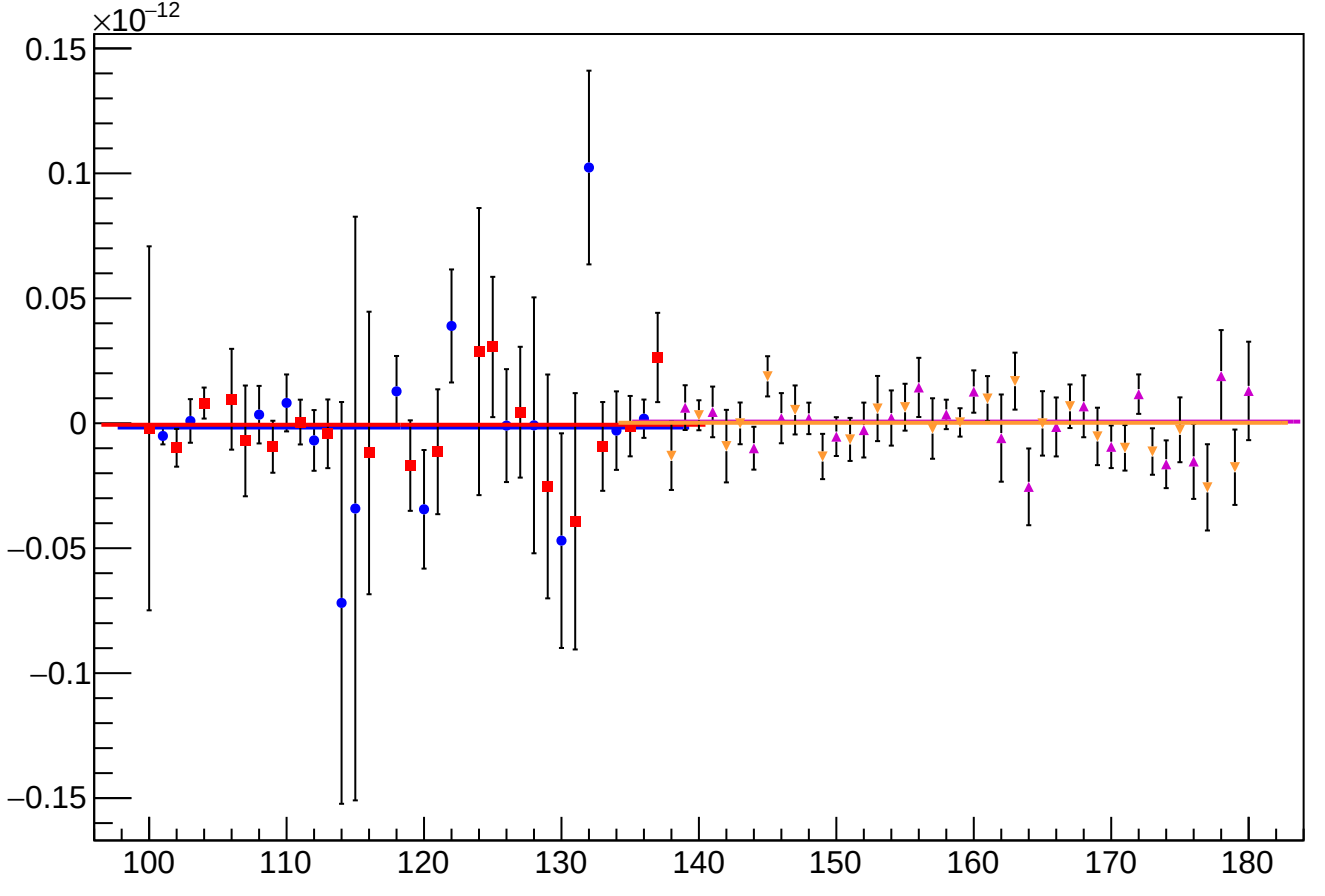
Left: 339.369+/-0.041 χ^2/NDF: 964152.0/42

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 198.493+/-0.034 χ^2/NDF:14495530.7/36

Out: 199.489+/-0.033 χ^2/NDF:13829141.7/40

All: 198.999+/-0.024 χ^2/NDF: 28325108.1/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.8/20

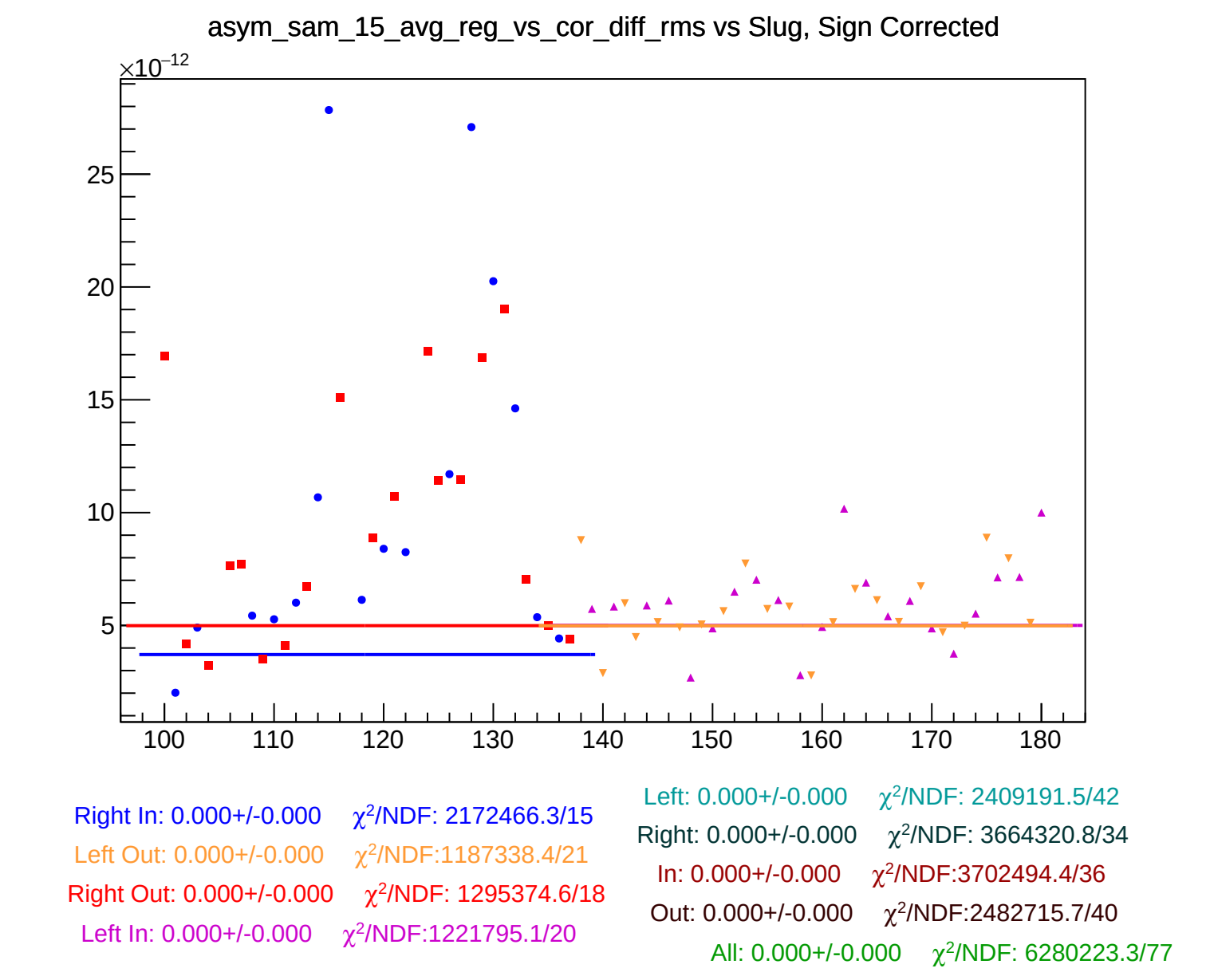
Left: 0.000+/-0.000 χ^2/NDF: 40.0/42

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:37.0/36

Out: -0.000+/-0.000 χ^2/NDF:31.8/40

All: -0.000+/-0.000 χ^2/NDF: 68.9/77


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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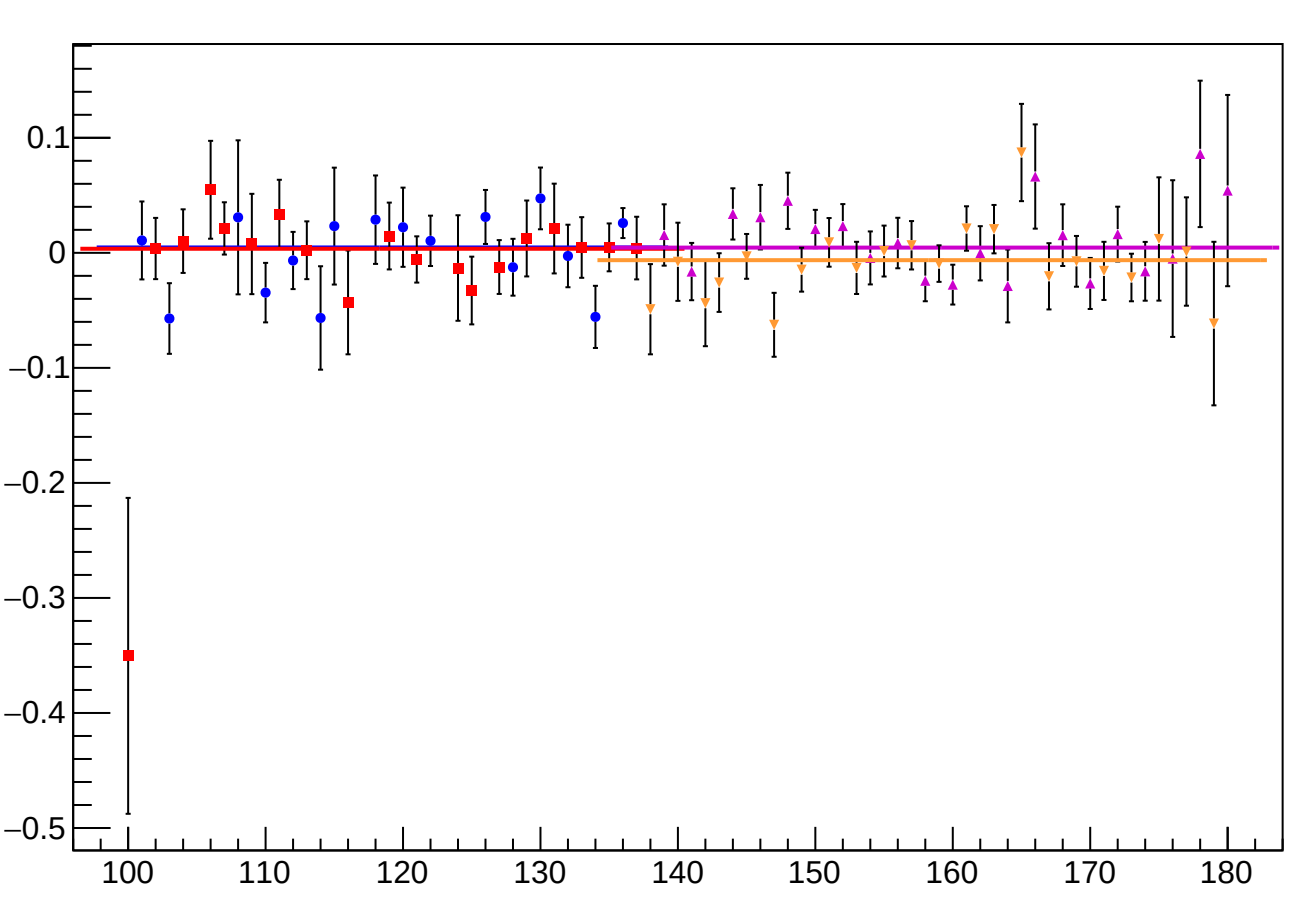
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1187338.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1221795.1/20
Left: 0.000+/-0.000 χ²/NDF: 2409191.5/42
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3702494.4/36
Out: 0.000+/-0.000 χ²/NDF:2482715.7/40
All: 0.000+/-0.000 χ²/NDF: 6280223.3/77



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:22.5/20

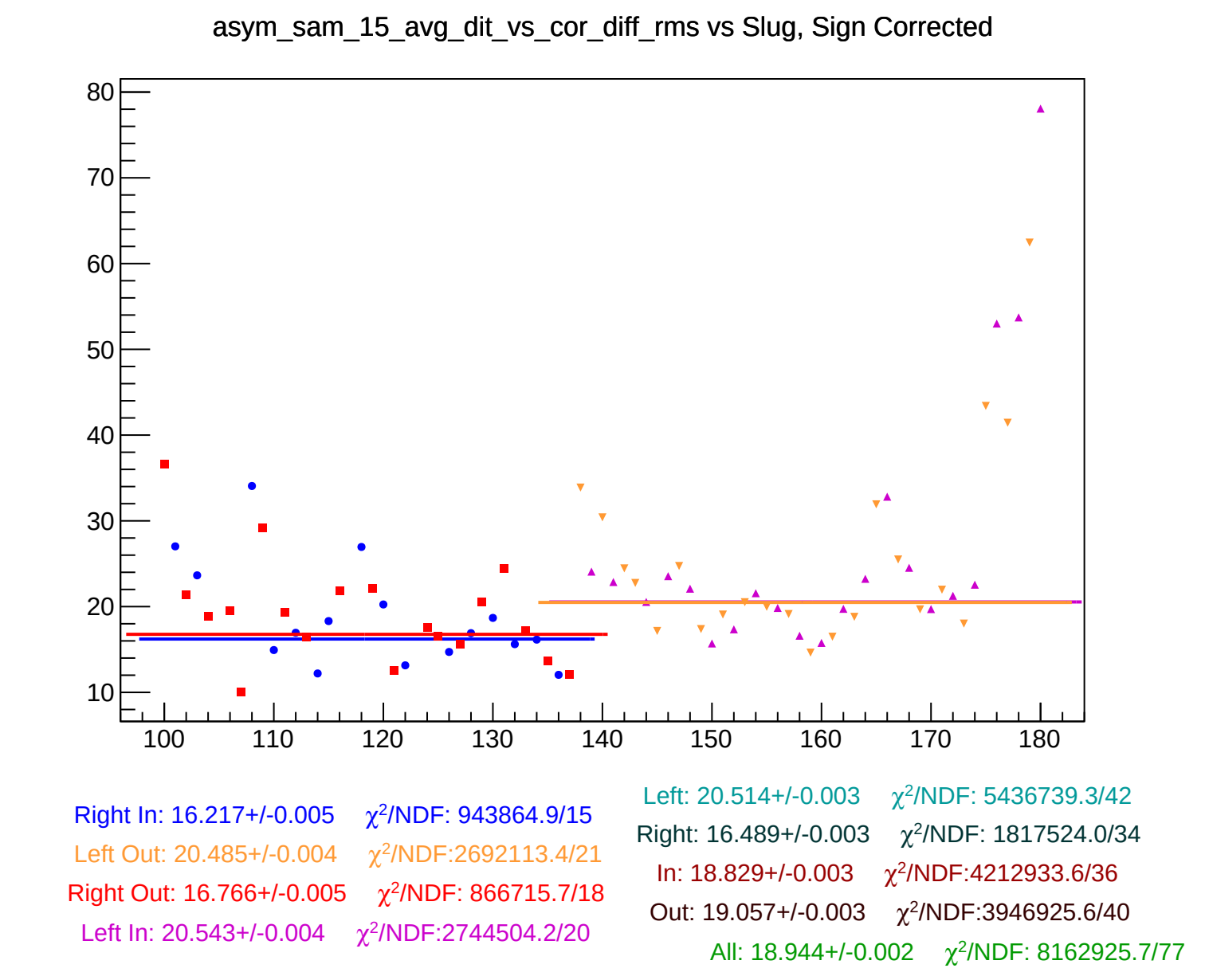
Left: -0.001+/-0.004 χ^2/NDF: 43.1/42

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:43.9/36

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.9/77


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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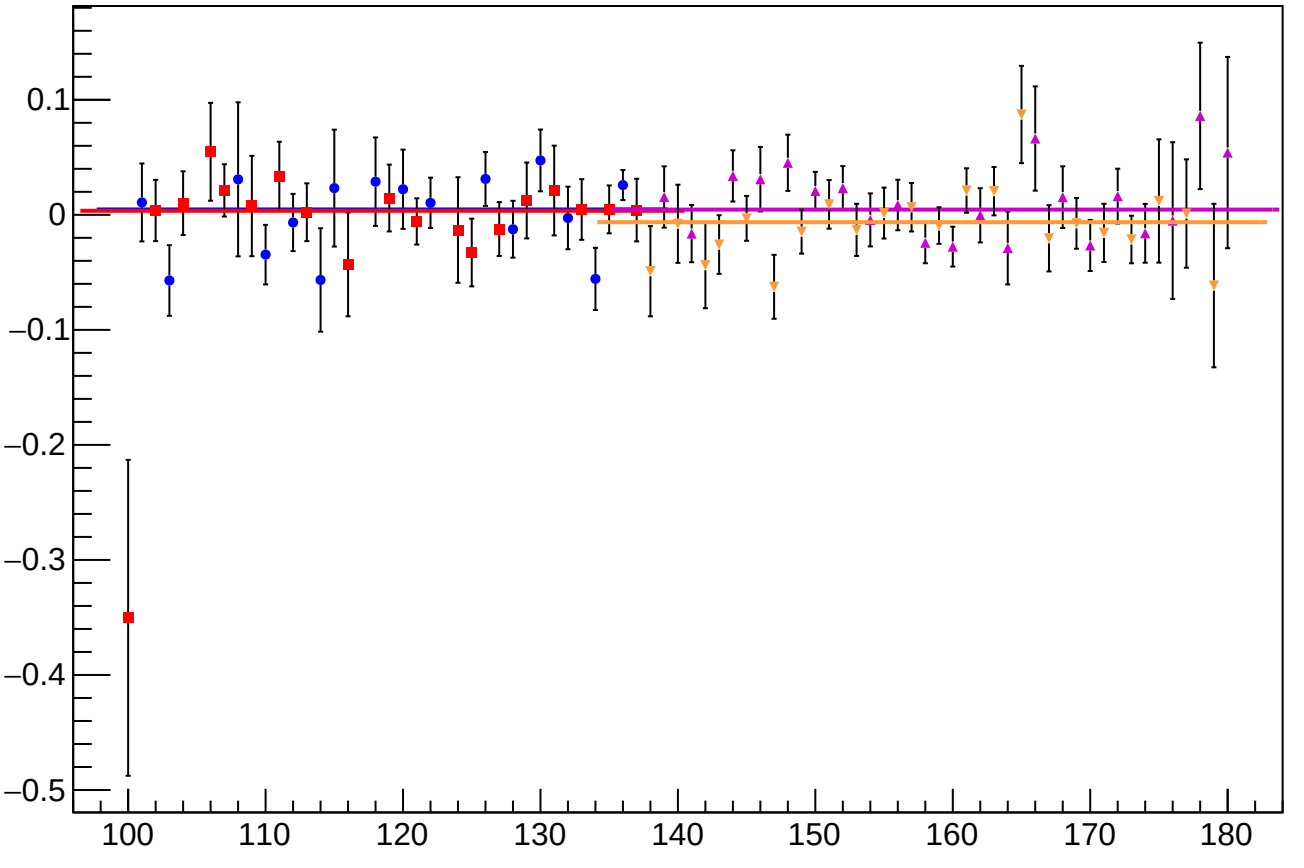
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.4/21
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.543+/-0.004 χ²/NDF:2744504.2/20
Left: 20.514+/-0.003 χ²/NDF: 5436739.3/42
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 18.829+/-0.003 χ²/NDF:4212933.6/36
Out: 19.057+/-0.003 χ²/NDF:3946925.6/40
All: 18.944+/-0.002 χ²/NDF: 8162925.7/77



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:22.5/20

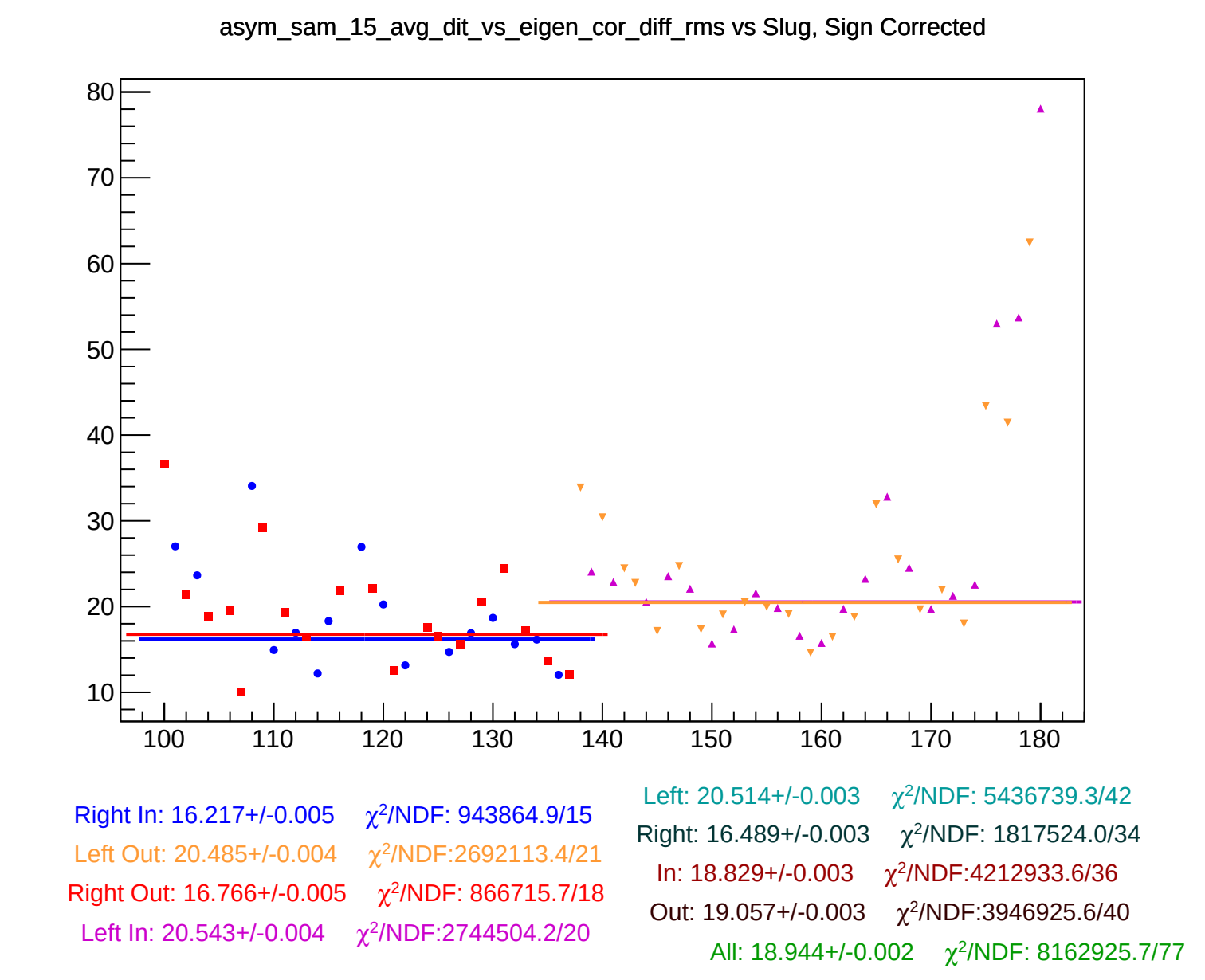
Left: -0.001+/-0.004 χ^2/NDF: 43.1/42

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:43.9/36

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.9/77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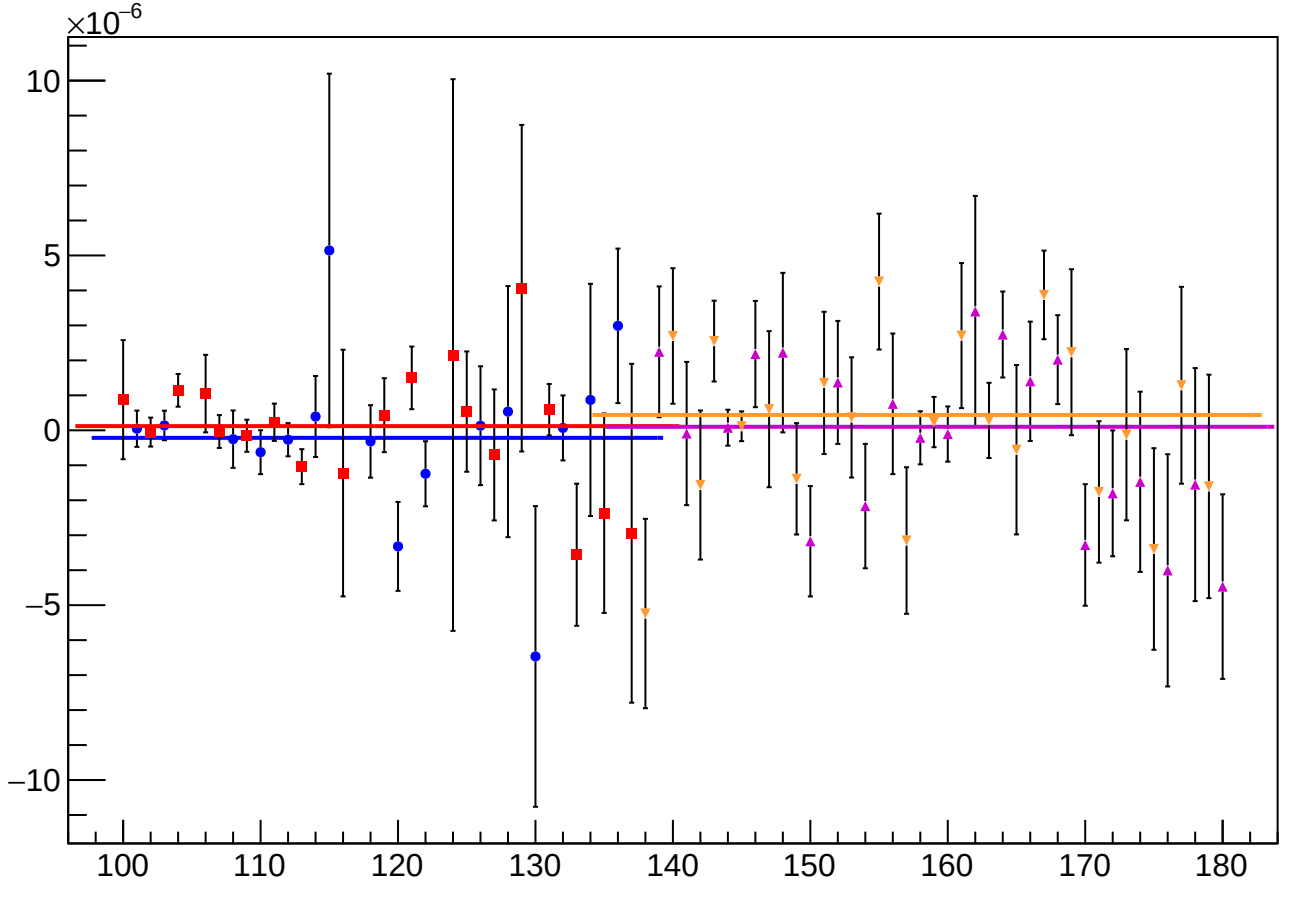
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.4/21
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 20.543+/-0.004 χ²/NDF:2744504.2/20
Left: 20.514+/-0.003 χ²/NDF: 5436739.3/42
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 18.829+/-0.003 χ²/NDF:4212933.6/36
Out: 19.057+/-0.003 χ²/NDF:3946925.6/40
All: 18.944+/-0.002 χ²/NDF: 8162925.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:29.4/20

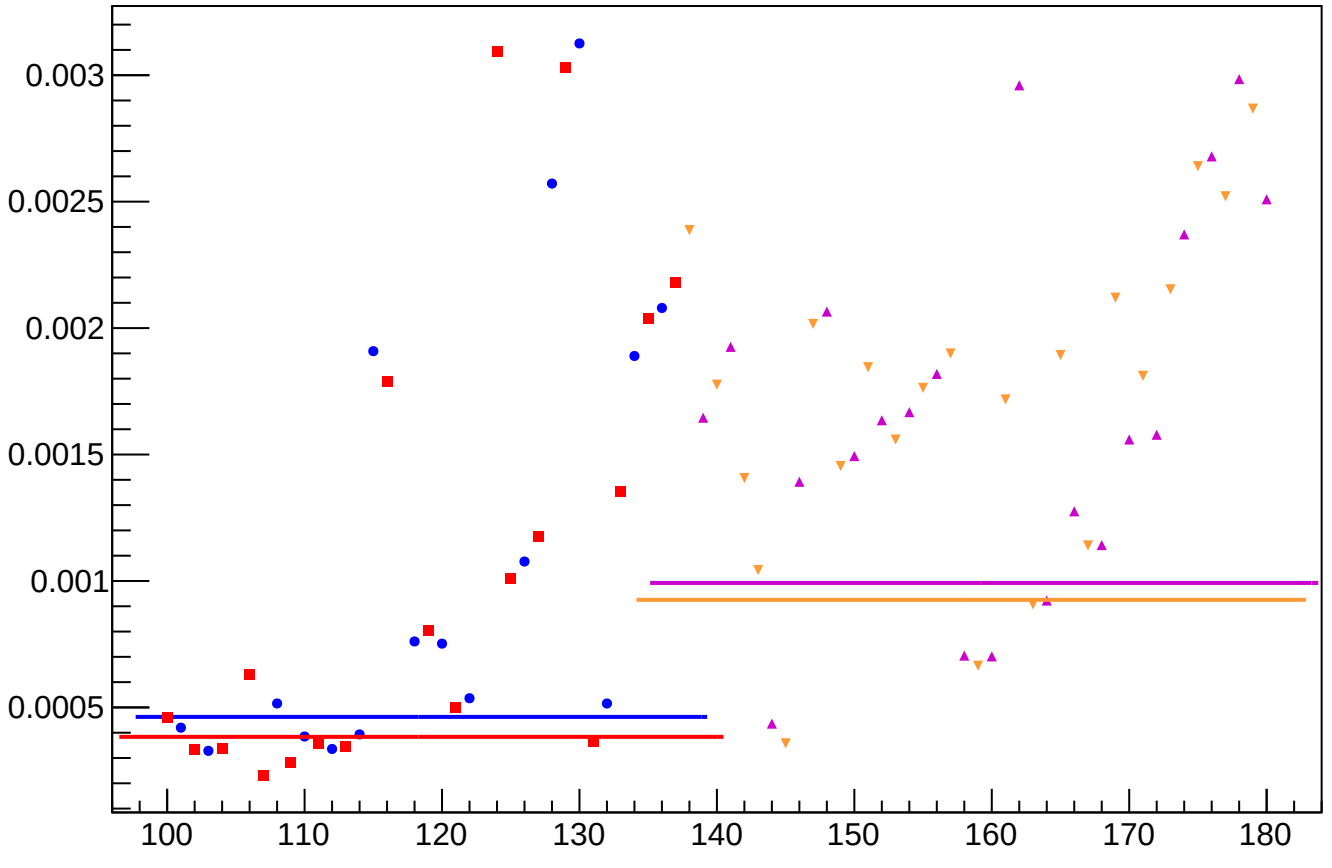
Left: 0.000+/-0.000 χ^2/NDF: 61.8/42

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:44.7/36

Out: 0.000+/-0.000 χ^2/NDF:52.9/40

All: 0.000+/-0.000 χ^2/NDF: 99.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:11236952.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:8920892.8/20

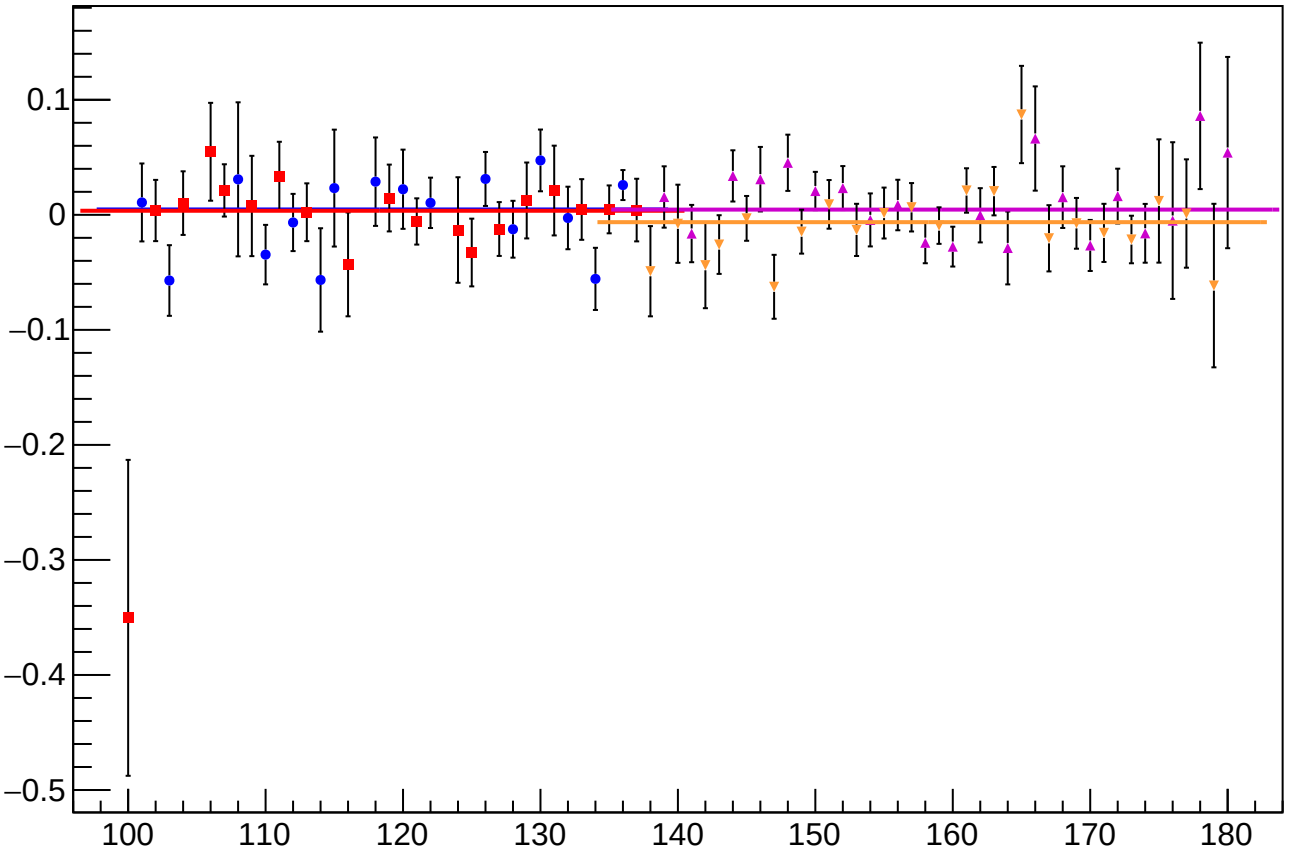
Left: 0.001+/-0.000 χ^2/NDF: 20215050.7/42

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:17467930.1/36

Out: 0.001+/-0.000 χ^2/NDF:20886799.4/40

All: 0.001+/-0.000 χ^2/NDF: 38838813.9/77



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:22.5/20

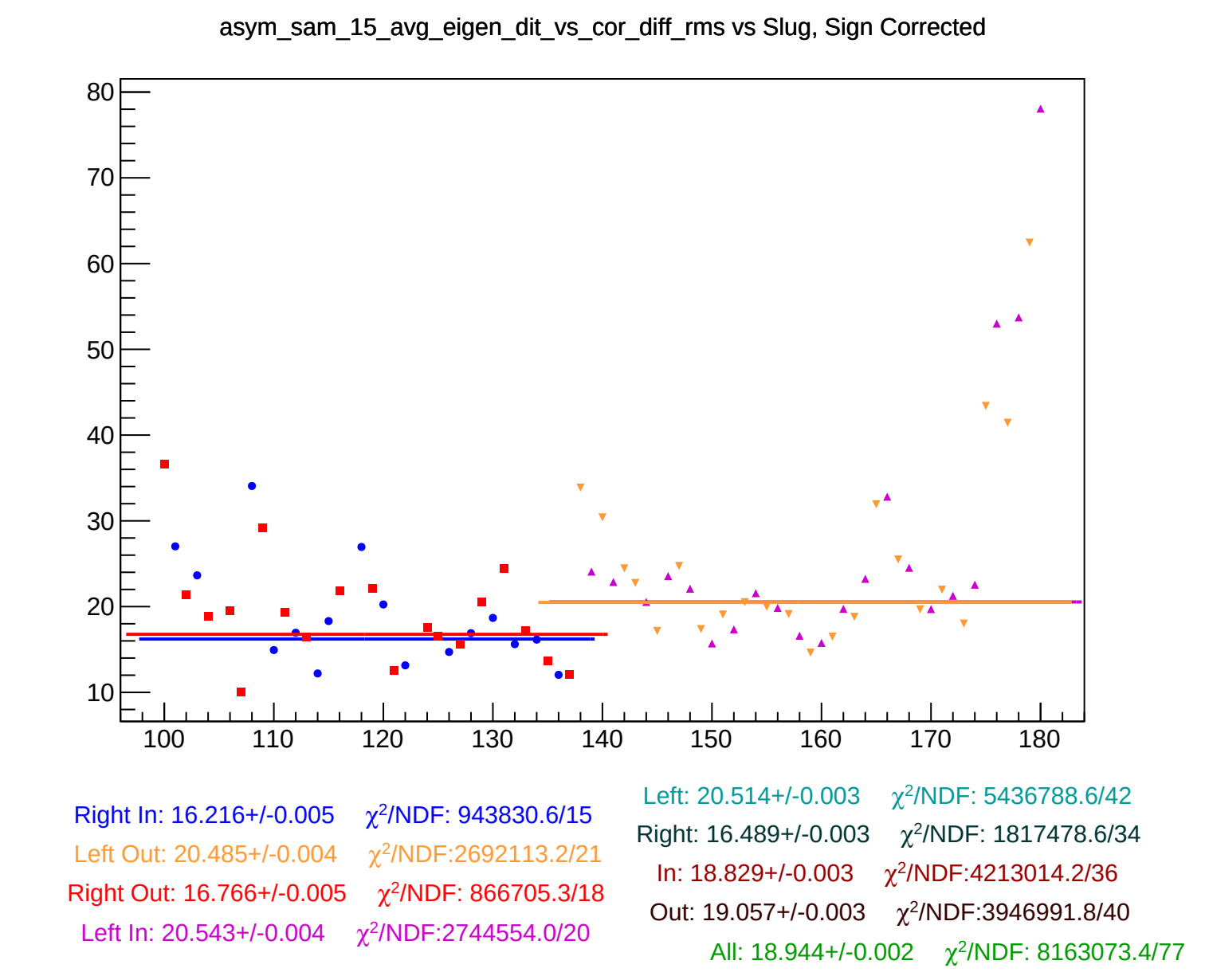
Left: -0.001+/-0.004 χ^2/NDF: 43.1/42

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:43.9/36

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.9/77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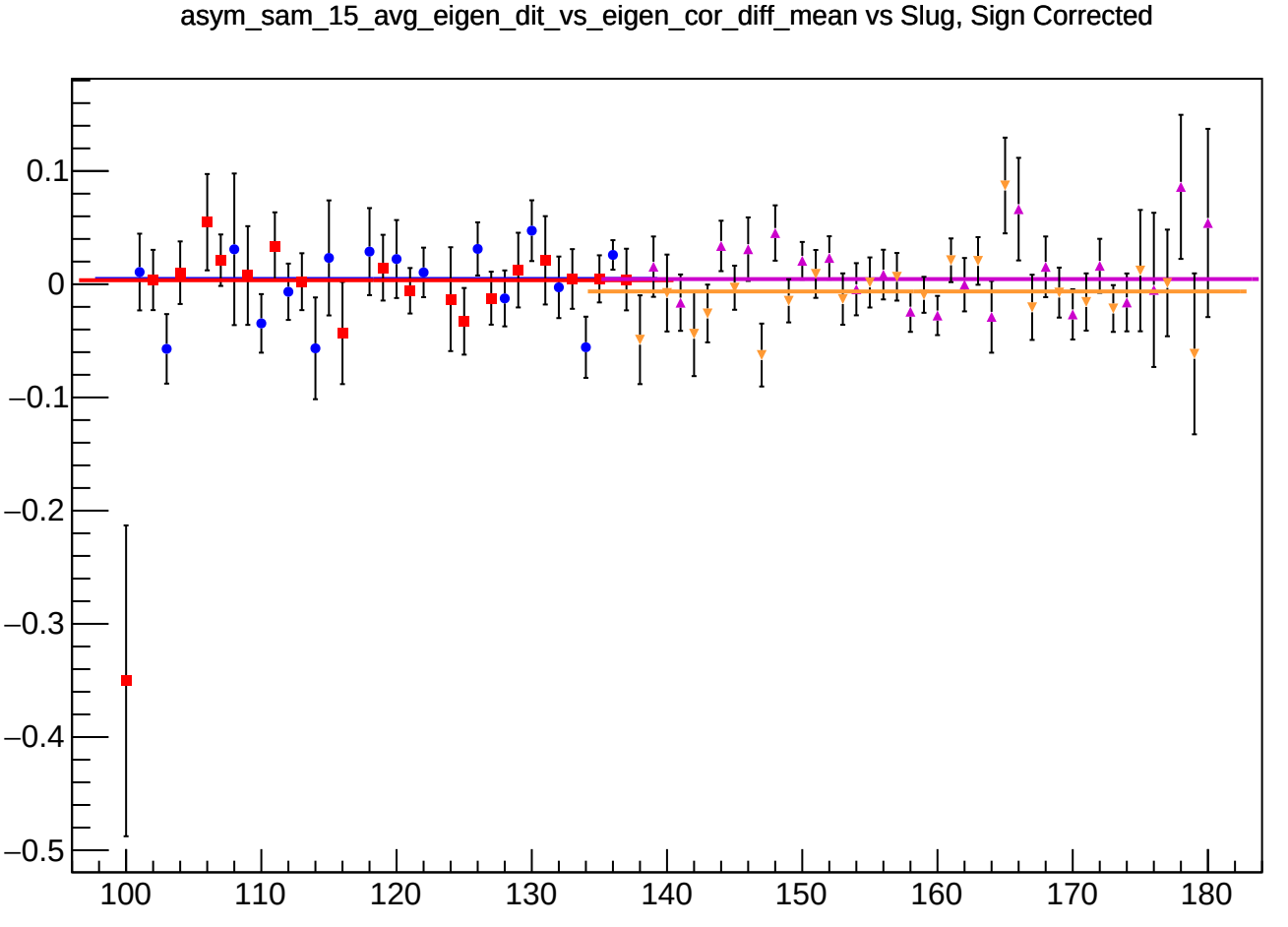
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.2/21
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.543+/-0.004 χ²/NDF:2744554.0/20
Left: 20.514+/-0.003 χ²/NDF: 5436788.6/42
Right: 16.489+/-0.003 χ²/NDF: 1817478.6/34
In: 18.829+/-0.003 χ²/NDF:4213014.2/36
Out: 19.057+/-0.003 χ²/NDF:3946991.8/40
All: 18.944+/-0.002 χ²/NDF: 8163073.4/77



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:22.5/20

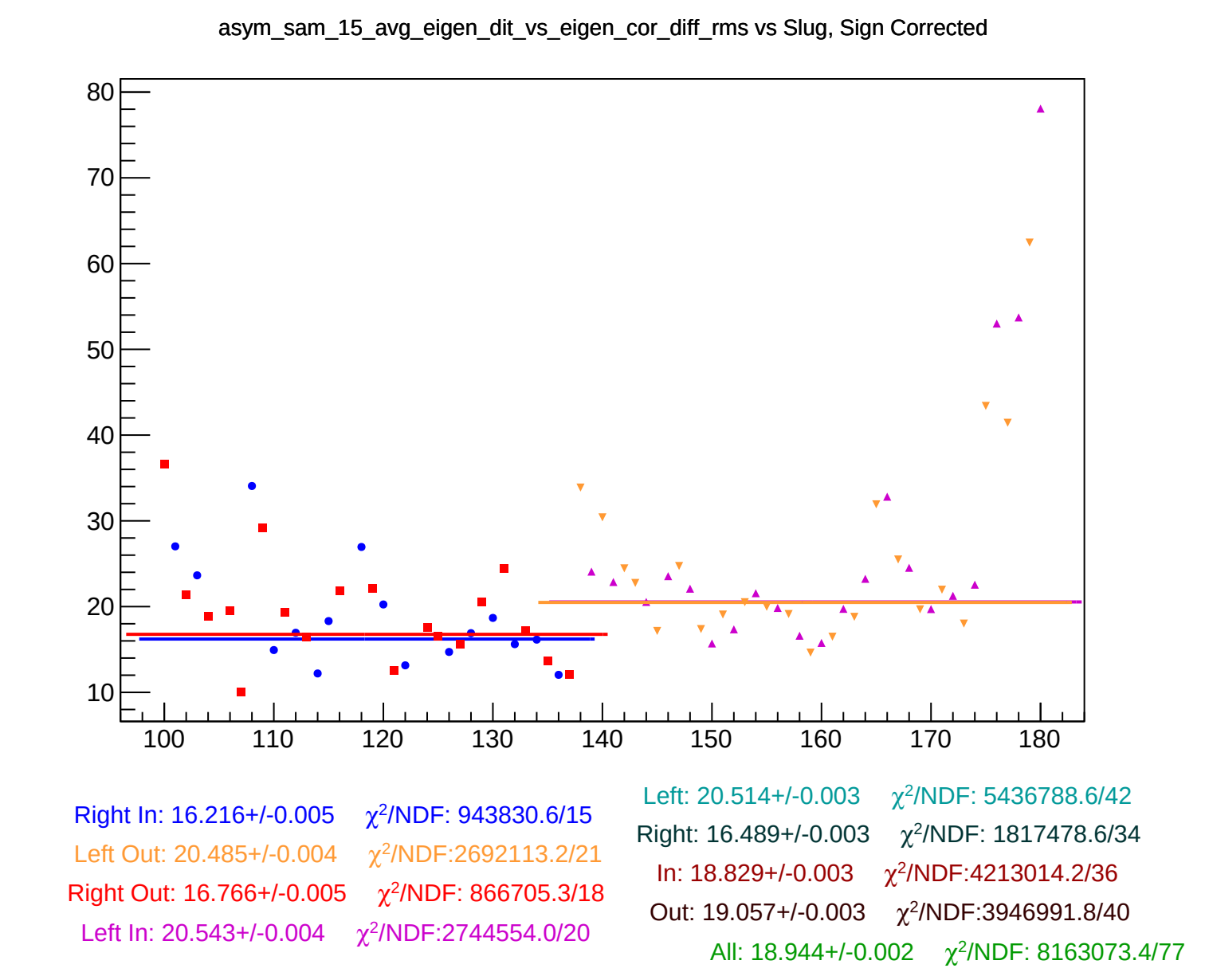
Left: -0.001+/-0.004 χ^2/NDF: 43.1/42

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:43.9/36

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.9/77


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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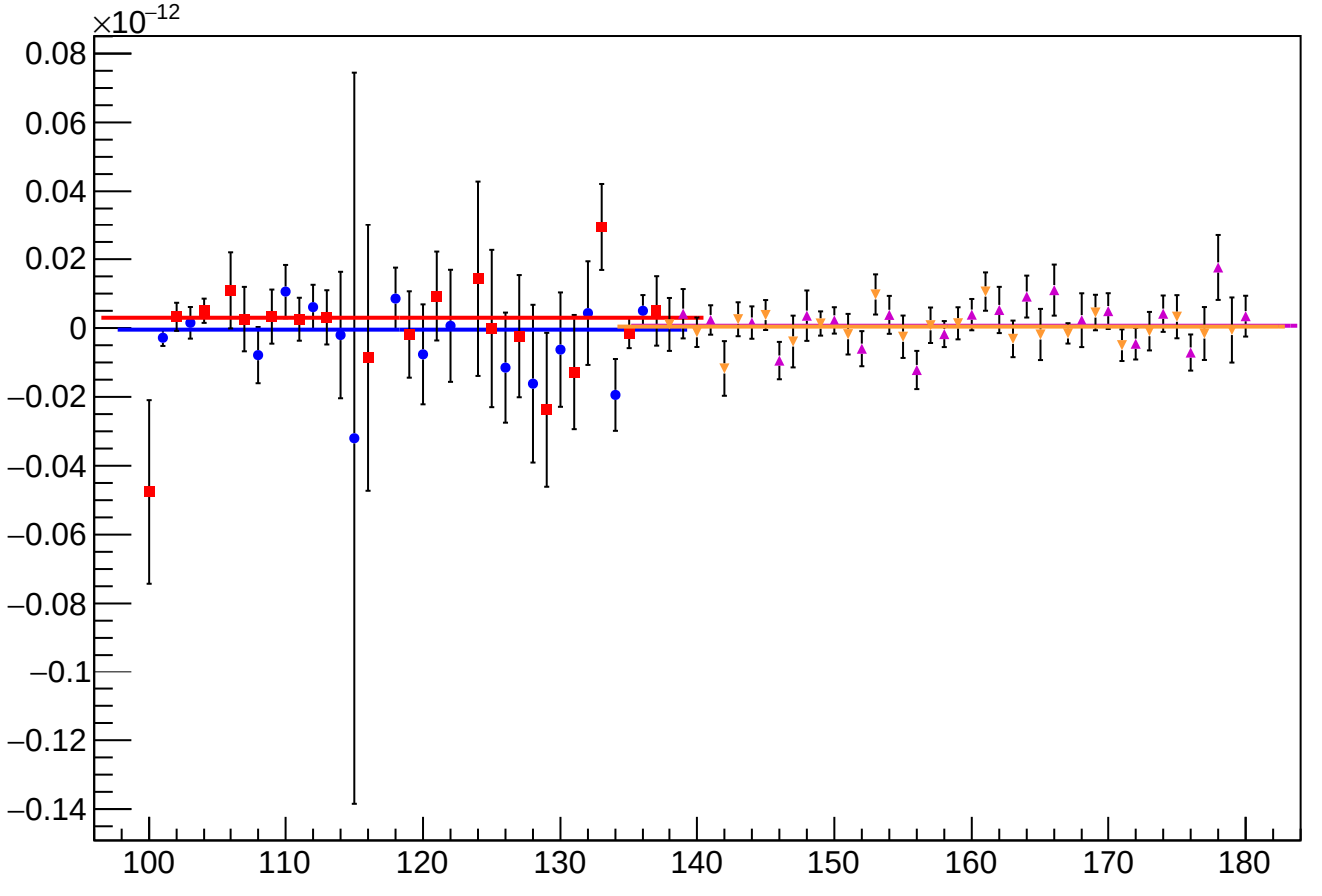
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.485+/-0.004 χ²/NDF:2692113.2/21
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 20.543+/-0.004 χ²/NDF:2744554.0/20
Left: 20.514+/-0.003 χ²/NDF: 5436788.6/42
Right: 16.489+/-0.003 χ²/NDF: 1817478.6/34
In: 18.829+/-0.003 χ²/NDF:4213014.2/36
Out: 19.057+/-0.003 χ²/NDF:3946991.8/40
All: 18.944+/-0.002 χ²/NDF: 8163073.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:25.0/20

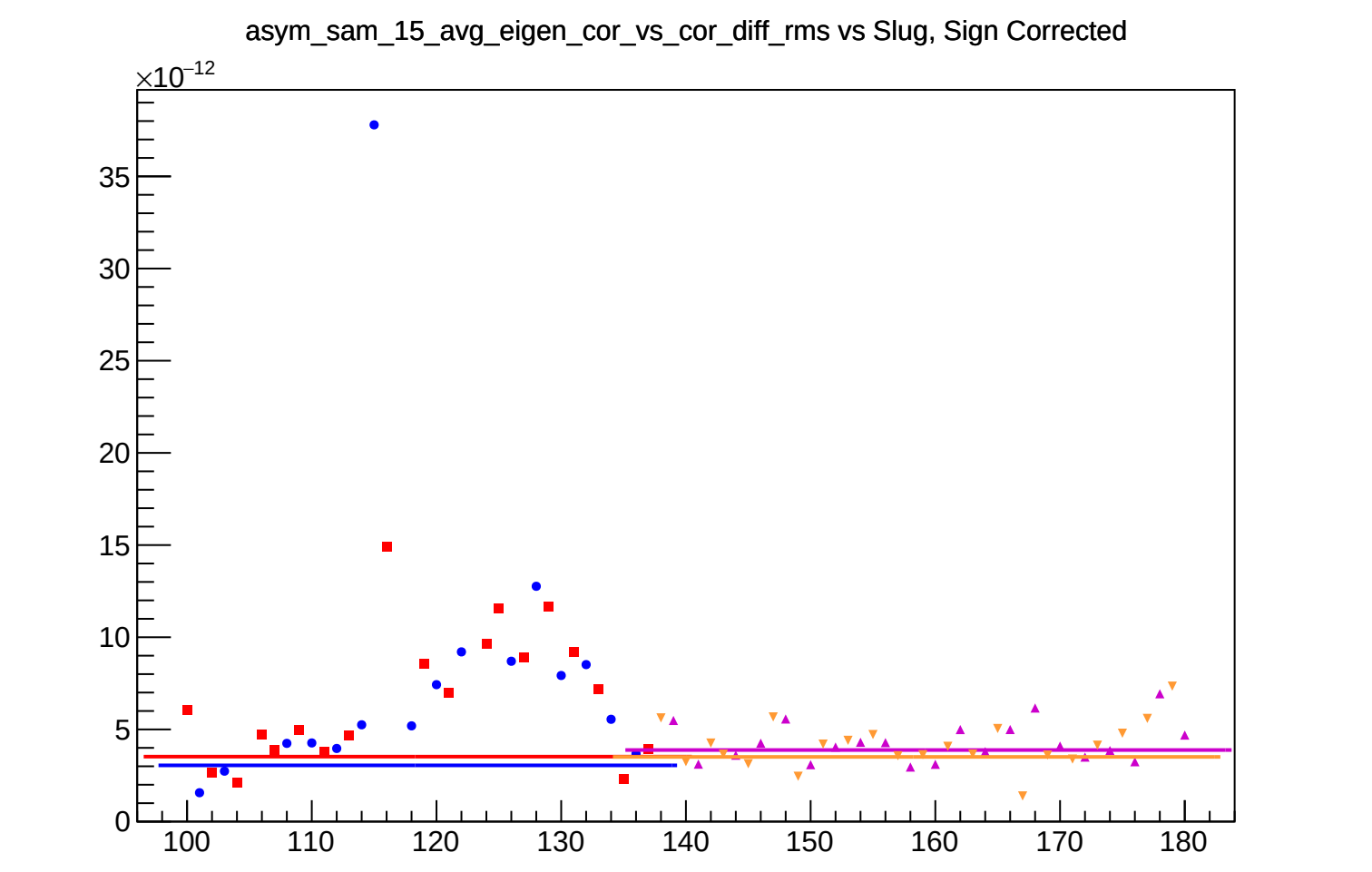
Left: 0.000+/-0.000 χ^2/NDF: 38.4/42

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:37.6/36

Out: 0.000+/-0.000 χ^2/NDF:27.9/40

All: 0.000+/-0.000 χ^2/NDF: 65.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2414660.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1137941.9/20

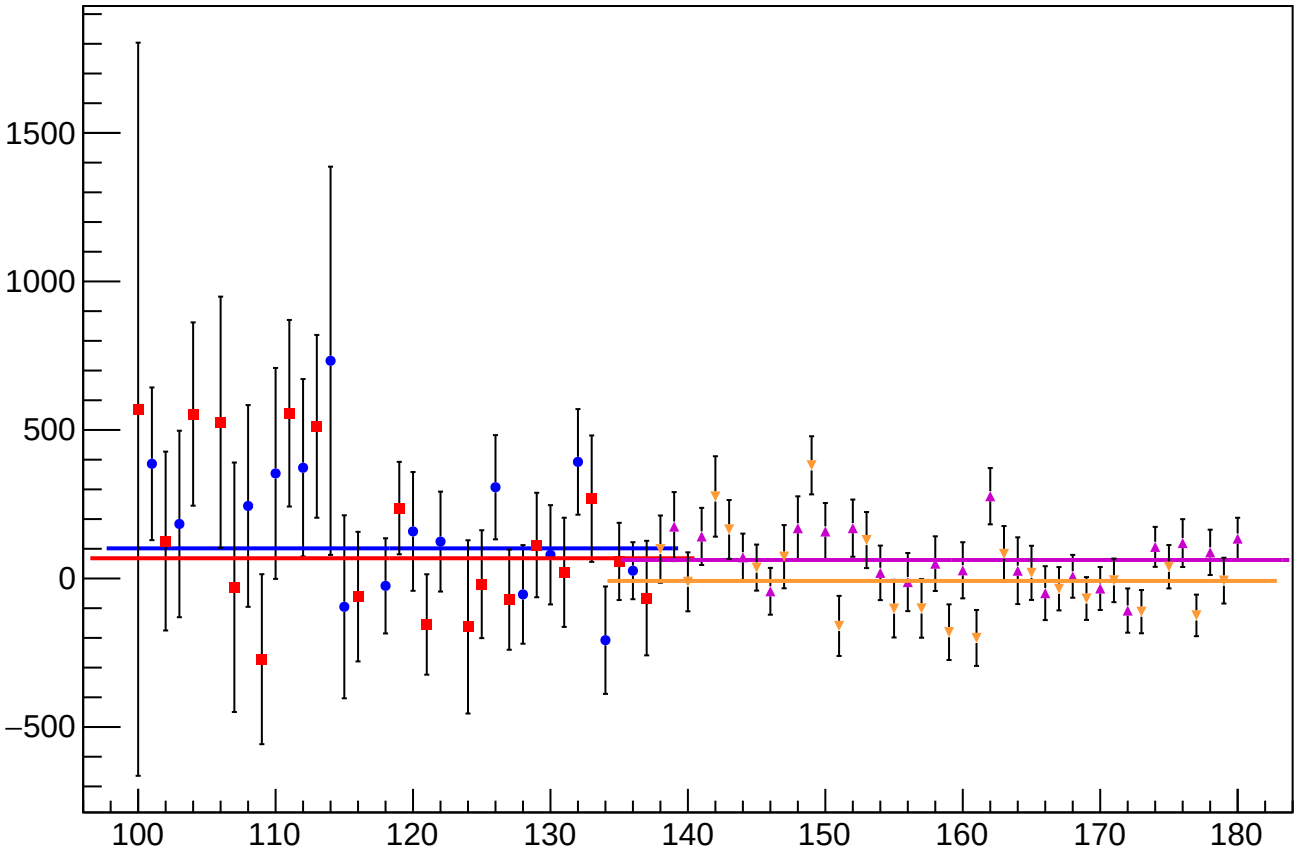
Left: 0.000+/-0.000 χ^2/NDF: 3661717.7/42

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4419835.1/36

Out: 0.000+/-0.000 χ^2/NDF:4973845.8/40

All: 0.000+/-0.000 χ^2/NDF: 9403073.0/77



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 62.276+/-18.622 χ^2/NDF:24.0/20

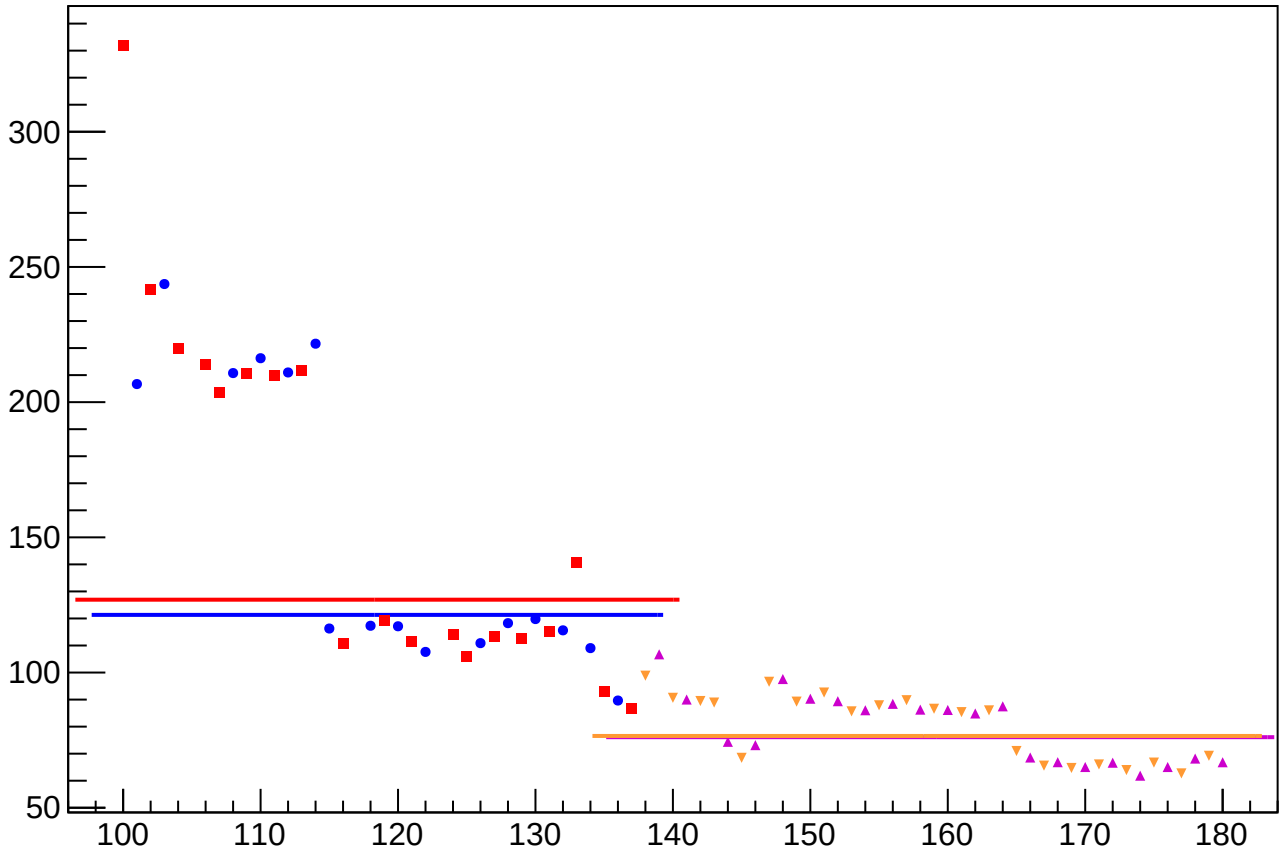
Left: 27.011+/-13.160 χ^2/NDF: 77.1/42

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 67.471+/-17.344 χ^2/NDF:38.0/36

Out: 1.322+/-17.405 χ^2/NDF:64.1/40

All: 34.513+/-12.285 χ^2/NDF: 109.3/77



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.8/20

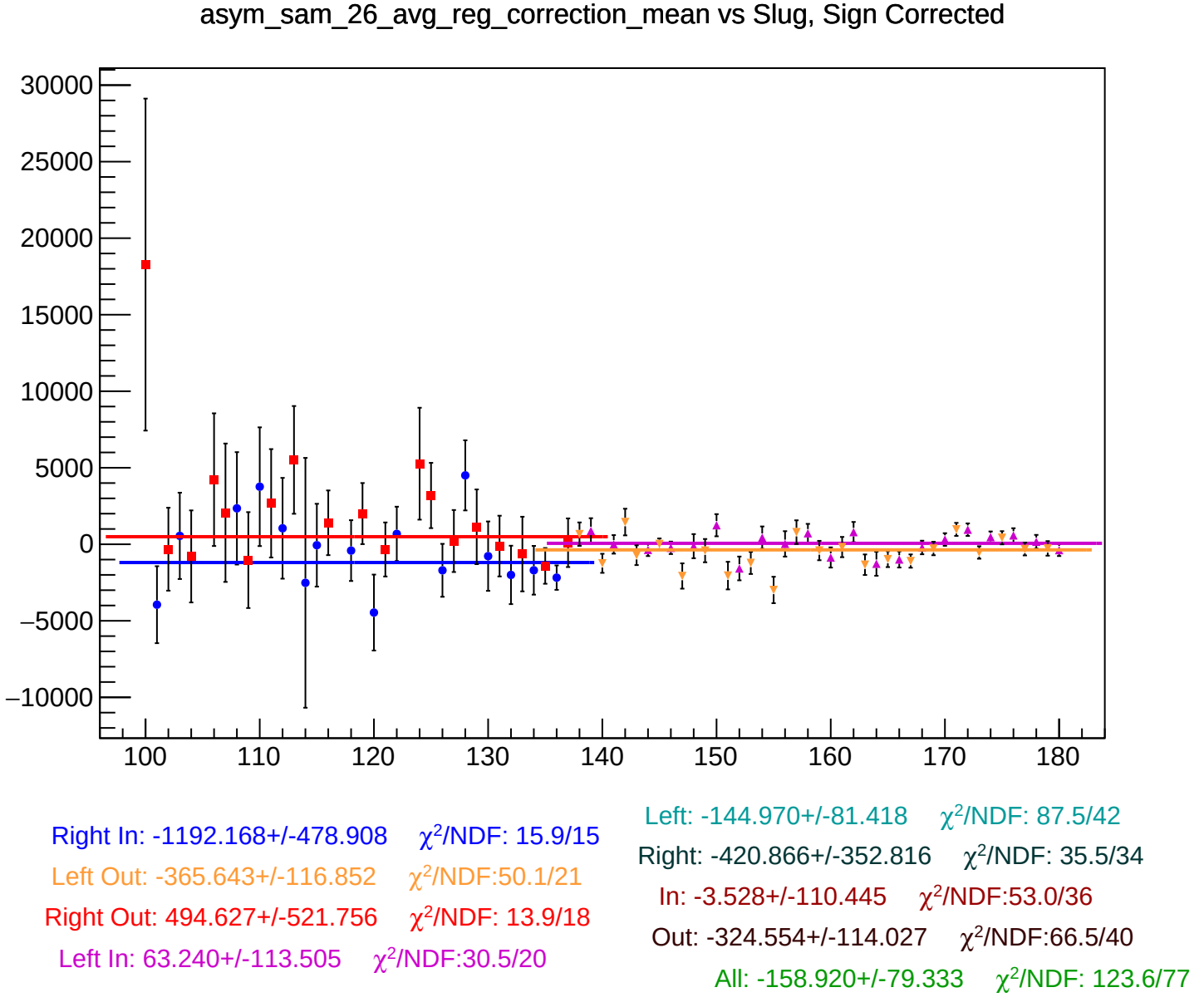
Left: 76.323+/-0.009 χ^2/NDF: 1624953.6/42

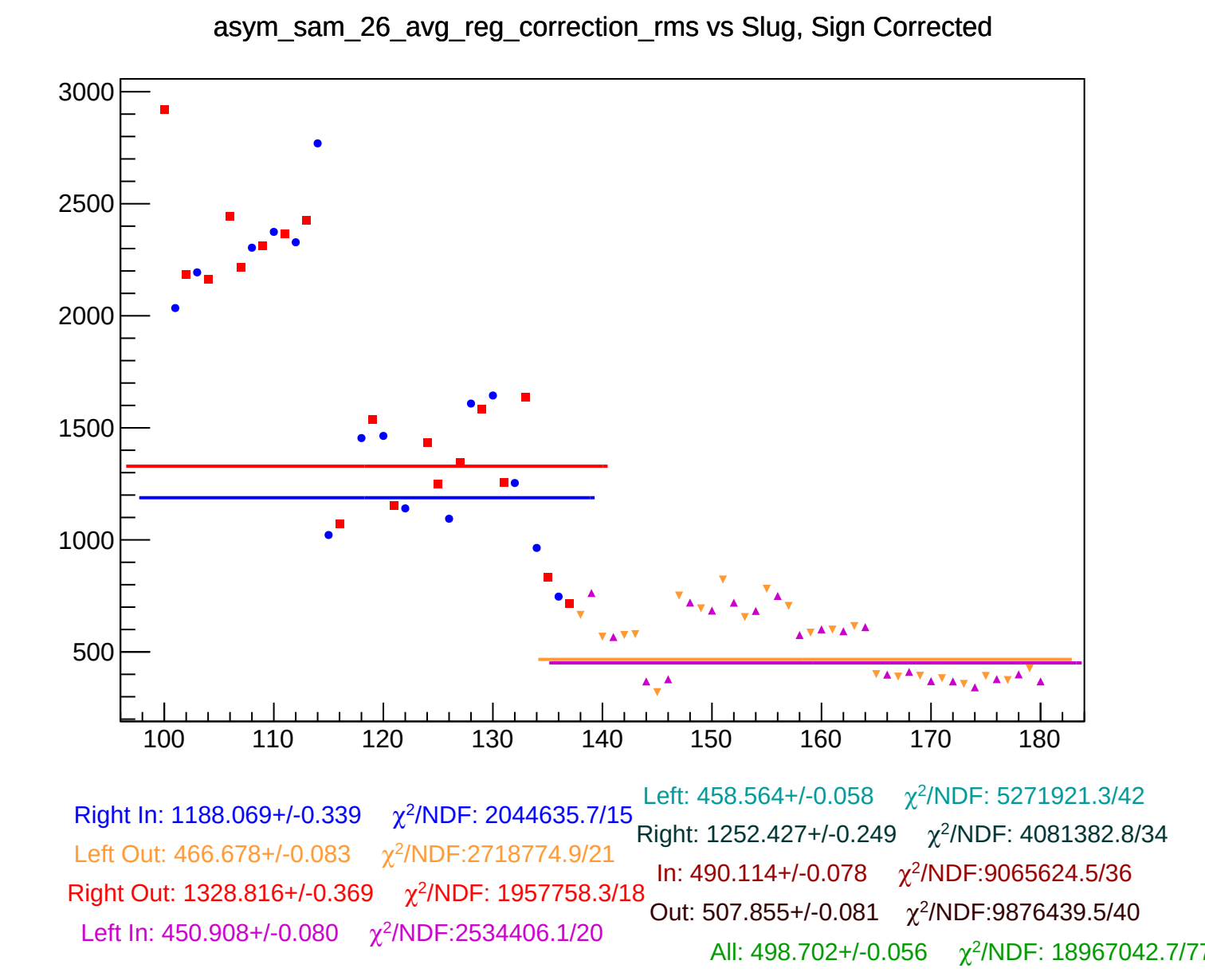
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

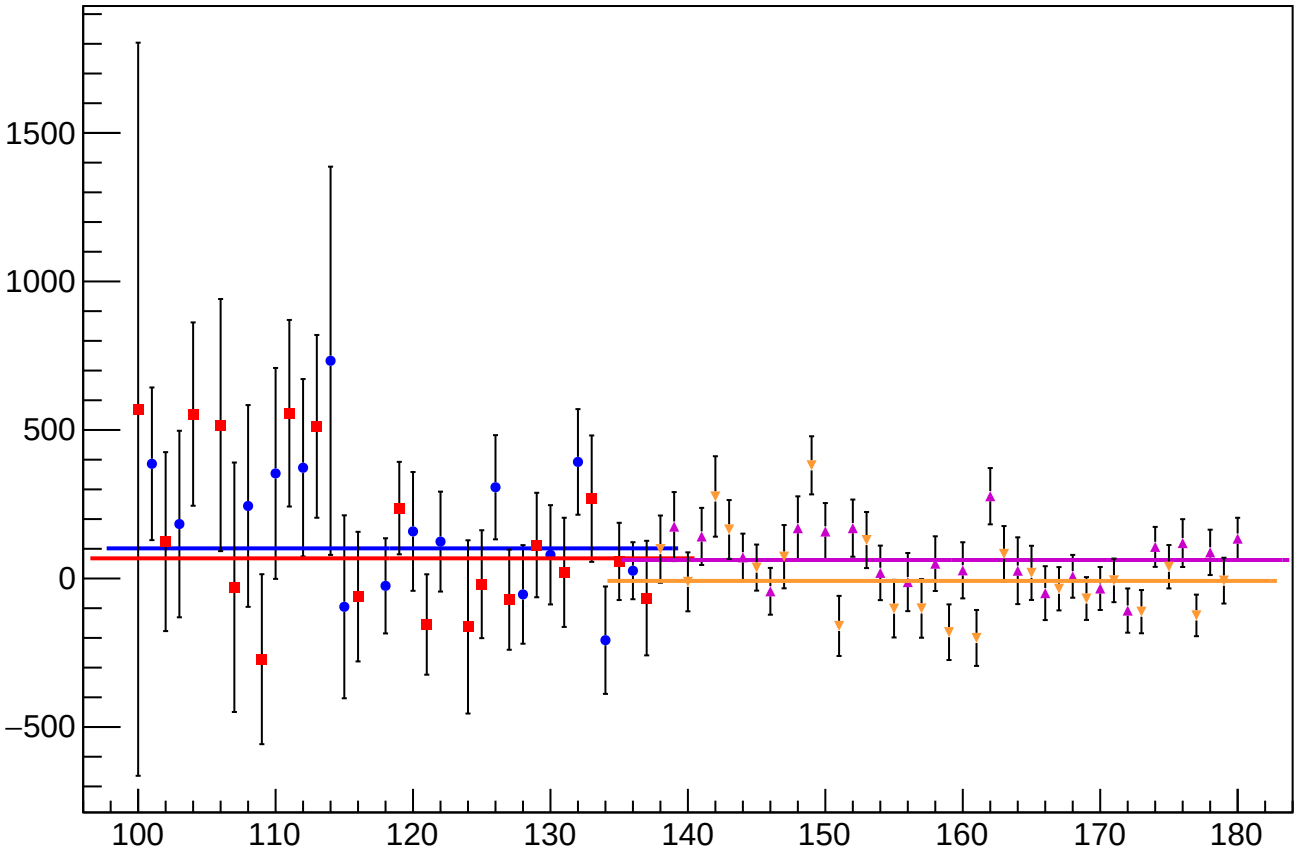
In: 82.093+/-0.012 χ^2/NDF:3647617.5/36

Out: 82.824+/-0.012 χ^2/NDF:4126889.3/40

All: 82.457+/-0.009 χ^2/NDF: 7776278.0/77


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1192.168+/-478.908 χ²/NDF: 15.9/15
Left Out: -365.643+/-116.852 χ²/NDF:50.1/21
Right Out: 494.627+/-521.756 χ²/NDF: 13.9/18
Left In: 63.240+/-113.505 χ²/NDF:30.5/20
Left: -144.970+/-81.418 χ²/NDF: 87.5/42
Right: -420.866+/-352.816 χ²/NDF: 35.5/34
In: -3.528+/-110.445 χ²/NDF:53.0/36
Out: -324.554+/-114.027 χ²/NDF:66.5/40
All: -158.920+/-79.333 χ²/NDF: 123.6/77


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
180
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 466.678+/-0.083 χ²/NDF:2718774.9/21
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 450.908+/-0.080 χ²/NDF:2534406.1/20
Left: 458.564+/-0.058 χ²/NDF: 5271921.3/42
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 490.114+/-0.078 χ²/NDF:9065624.5/36
Out: 507.855+/-0.081 χ²/NDF:9876439.5/40
All: 498.702+/-0.056 χ²/NDF: 18967042.7/77



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 62.273+/-18.622 χ^2/NDF:24.0/20

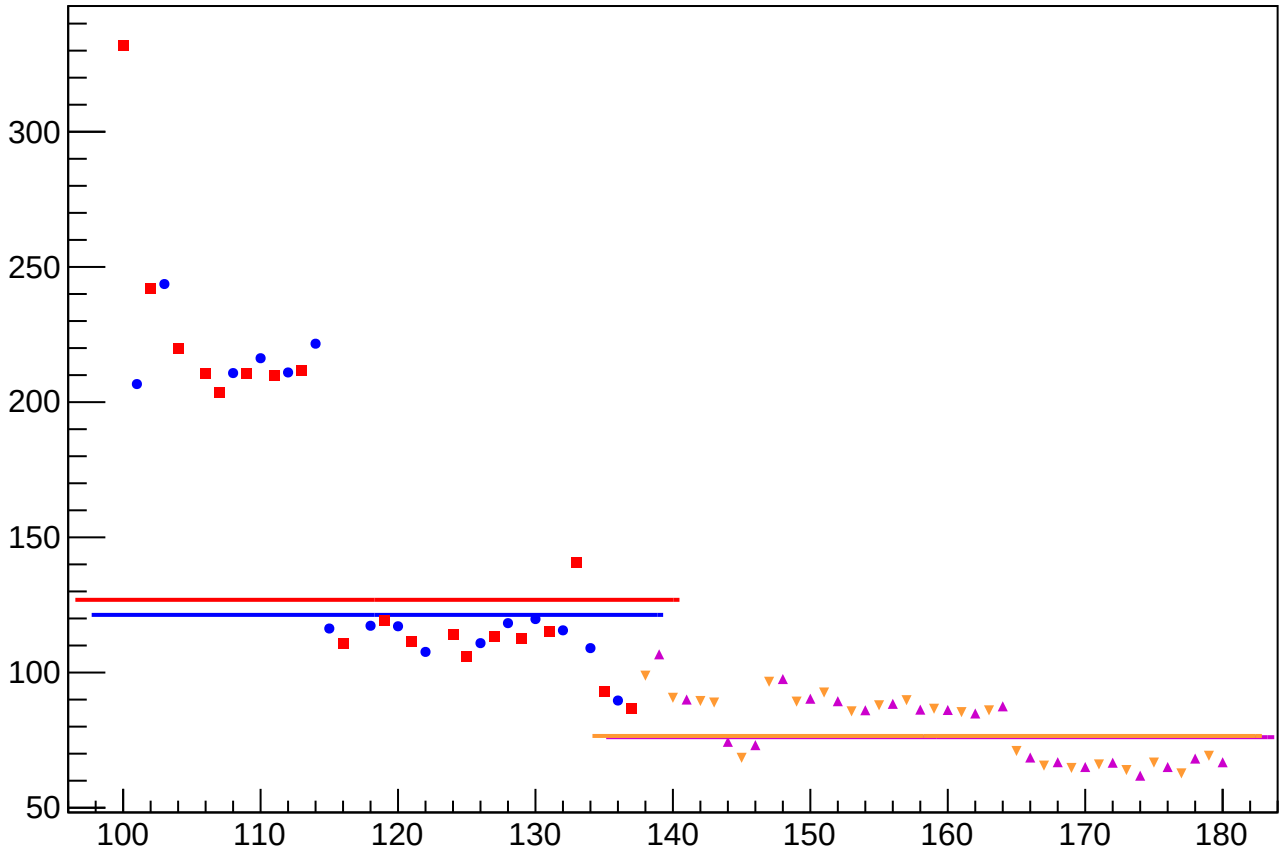
Left: 27.009+/-13.160 χ^2/NDF: 77.1/42

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 67.467+/-17.344 χ^2/NDF:38.0/36

Out: 1.292+/-17.405 χ^2/NDF:64.0/40

All: 34.496+/-12.285 χ^2/NDF: 109.3/77



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

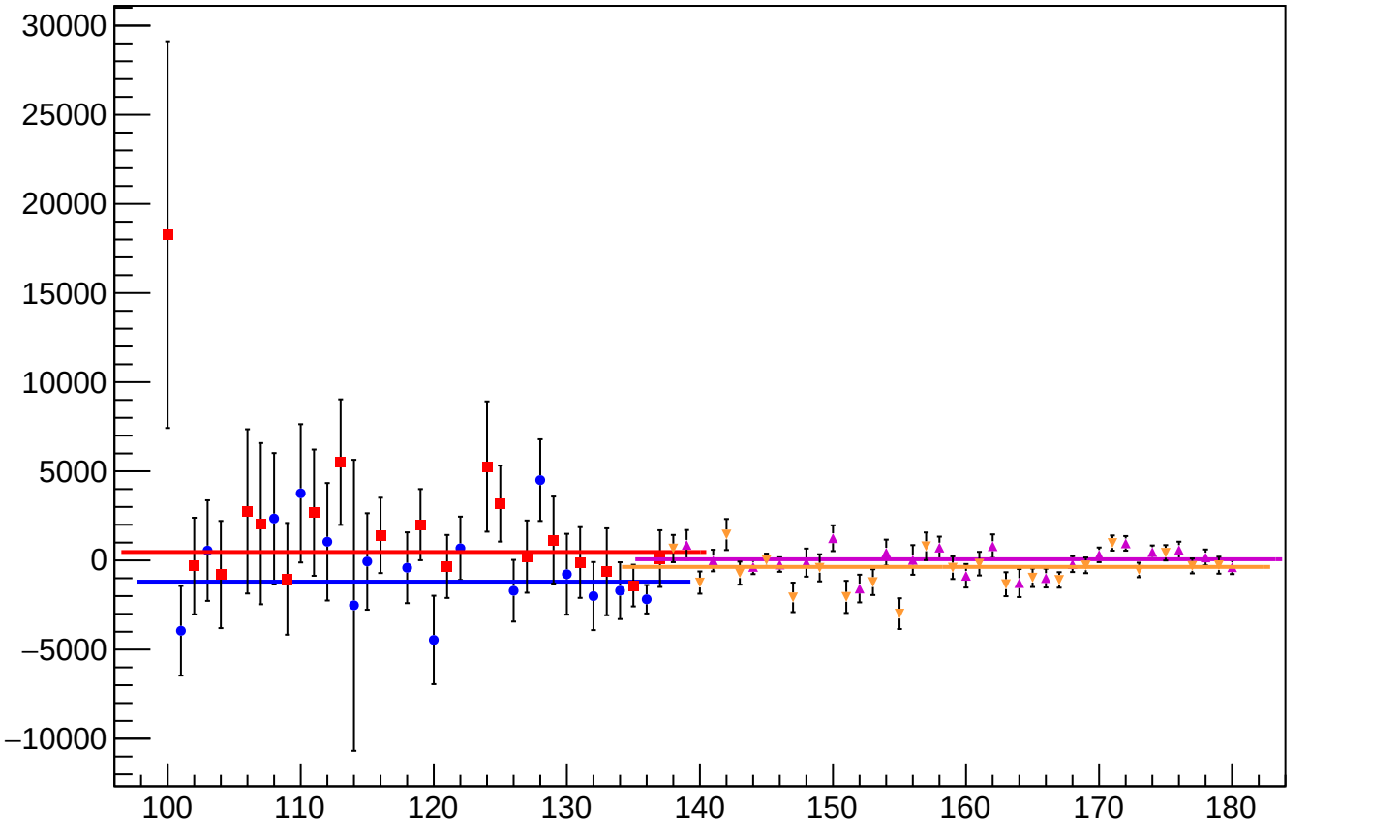
Left: 76.323+/-0.009 χ^2/NDF: 1624953.6/42

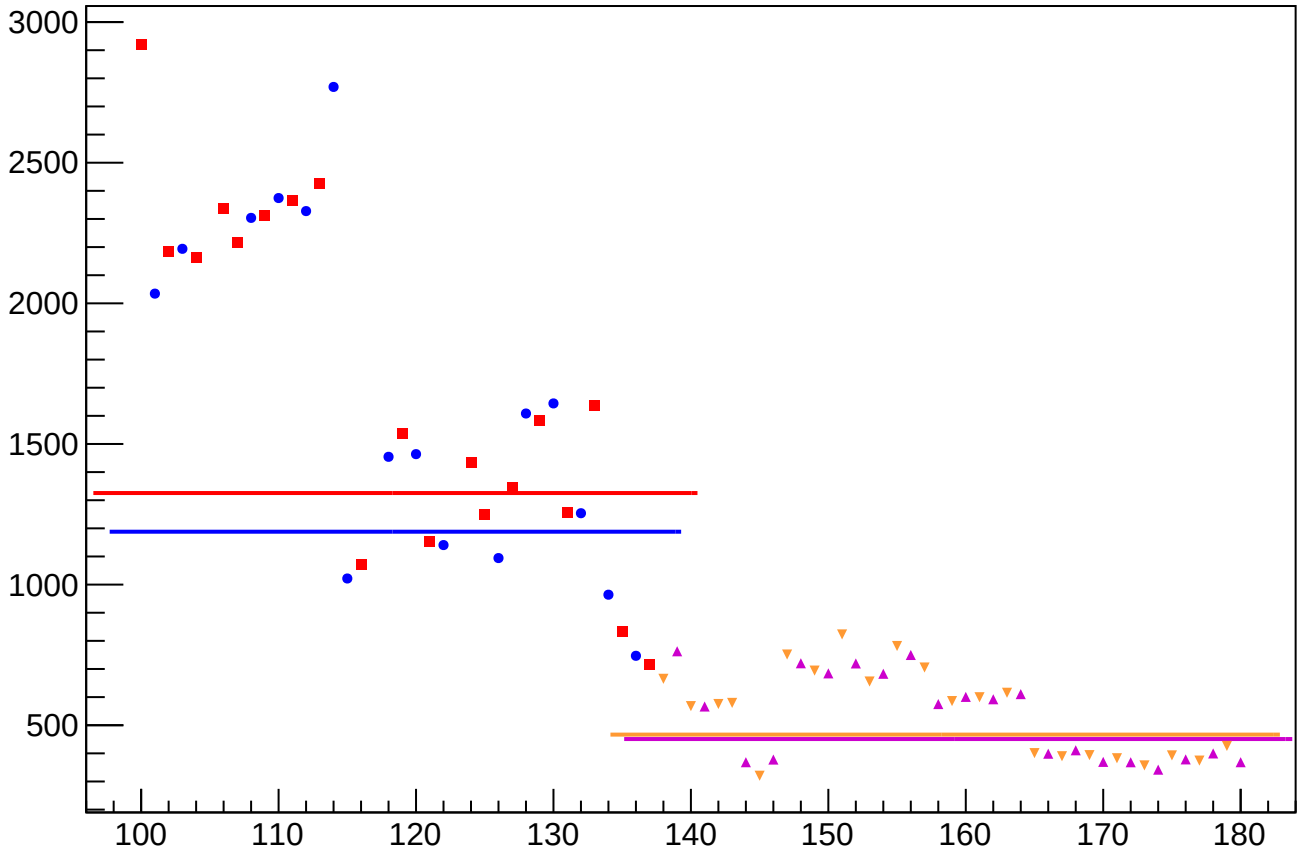
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 82.093+/-0.012 χ^2/NDF:3647619.5/36

Out: 82.817+/-0.012 χ^2/NDF:4116950.3/40

All: 82.454+/-0.009 χ^2/NDF: 7766307.7/77


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -365.641+/-116.852 χ²/NDF:50.1/21
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: 63.239+/-113.505 χ²/NDF:30.5/20
Left: -144.970+/-81.418 χ²/NDF: 87.5/42
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -3.528+/-110.445 χ²/NDF:53.0/36
Out: -325.807+/-114.032 χ²/NDF:65.9/40
All: -159.519+/-79.334 χ²/NDF: 122.9/77



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

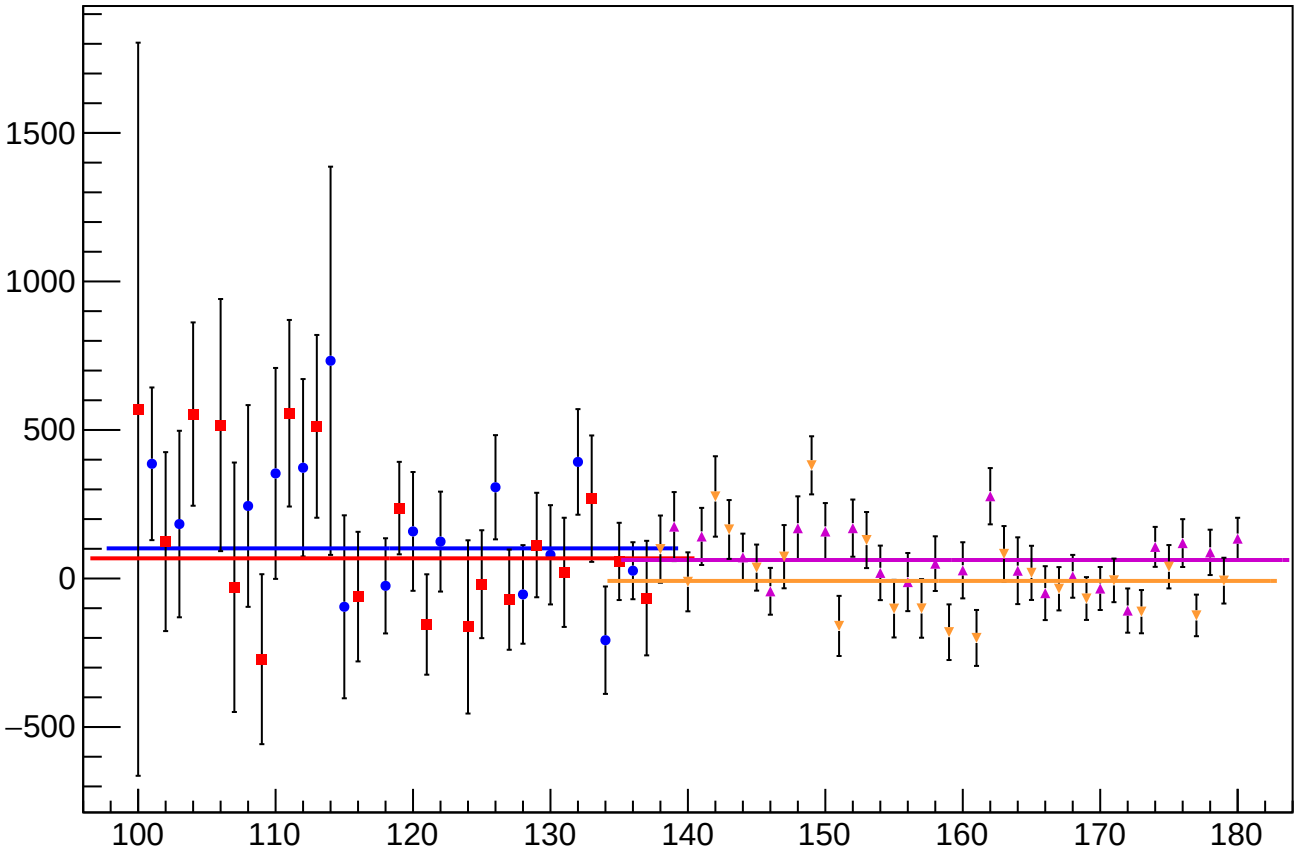
Left: 458.564+/-0.058 χ^2/NDF: 5271930.9/42

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 490.114+/-0.078 χ^2/NDF:9065640.7/36

Out: 507.632+/-0.081 χ^2/NDF:9792104.3/40

All: 498.594+/-0.056 χ^2/NDF: 18882099.4/77



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 62.273+/-18.622 χ^2/NDF:24.0/20

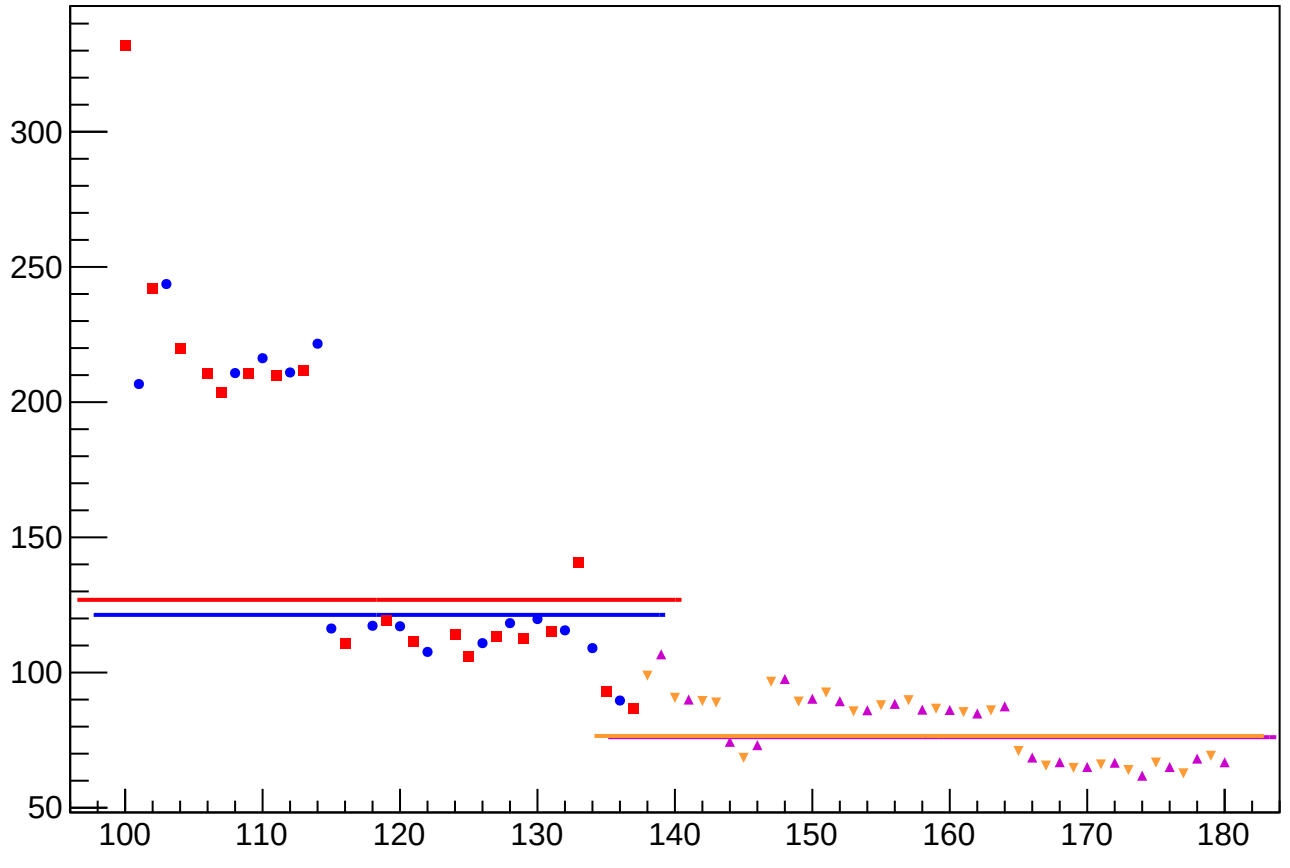
Left: 27.009+/-13.160 χ^2/NDF: 77.1/42

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 67.467+/-17.344 χ^2/NDF:38.0/36

Out: 1.292+/-17.405 χ^2/NDF:64.0/40

All: 34.496+/-12.285 χ^2/NDF: 109.3/77



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.096+/-0.013 χ^2/NDF:796652.7/20

Left: 76.323+/-0.009 χ^2/NDF: 1624953.6/42

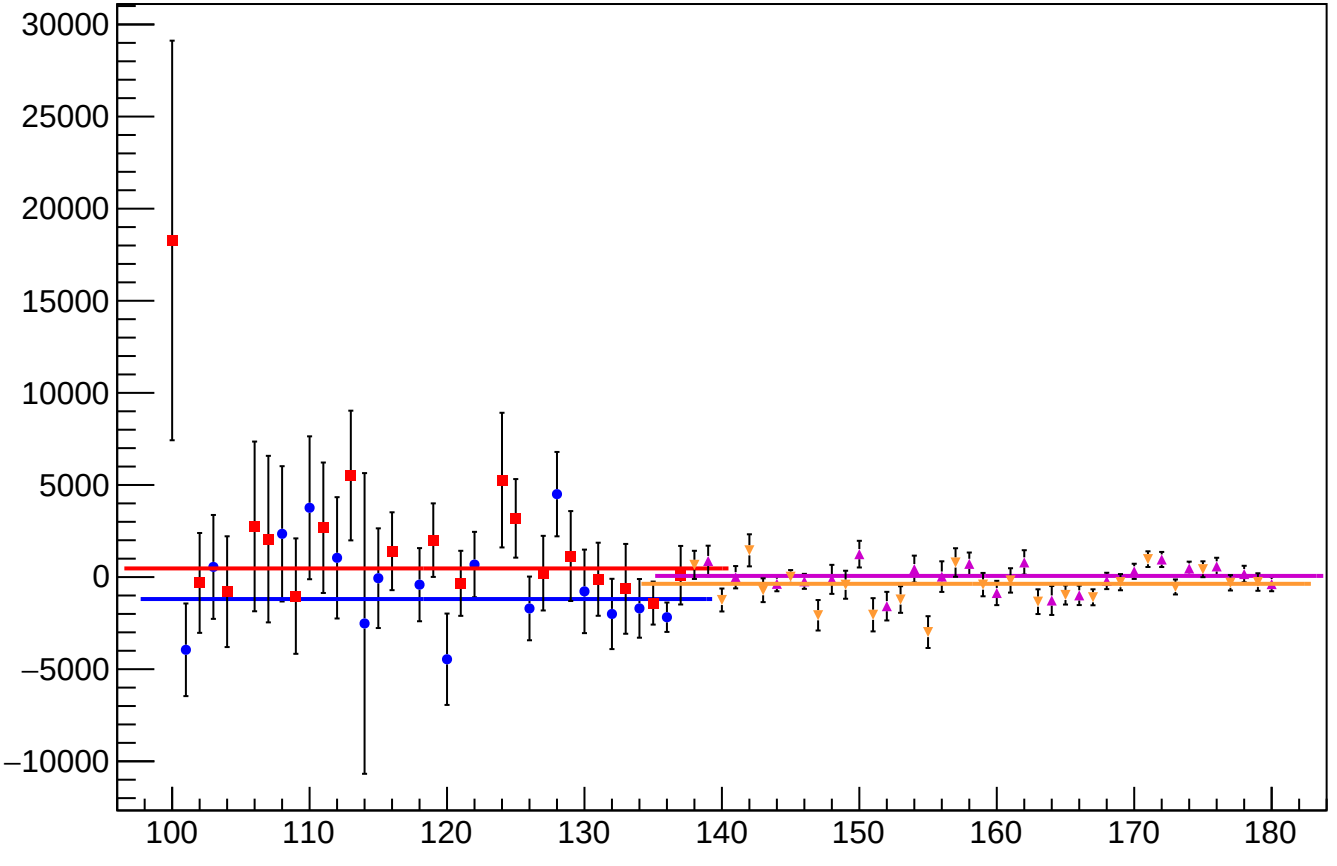
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 82.093+/-0.012 χ^2/NDF:3647619.5/36

Out: 82.817+/-0.012 χ^2/NDF:4116950.3/40

All: 82.454+/-0.009 χ^2/NDF: 7766307.7/77

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: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 63.239+/-113.505 χ^2/NDF:30.5/20

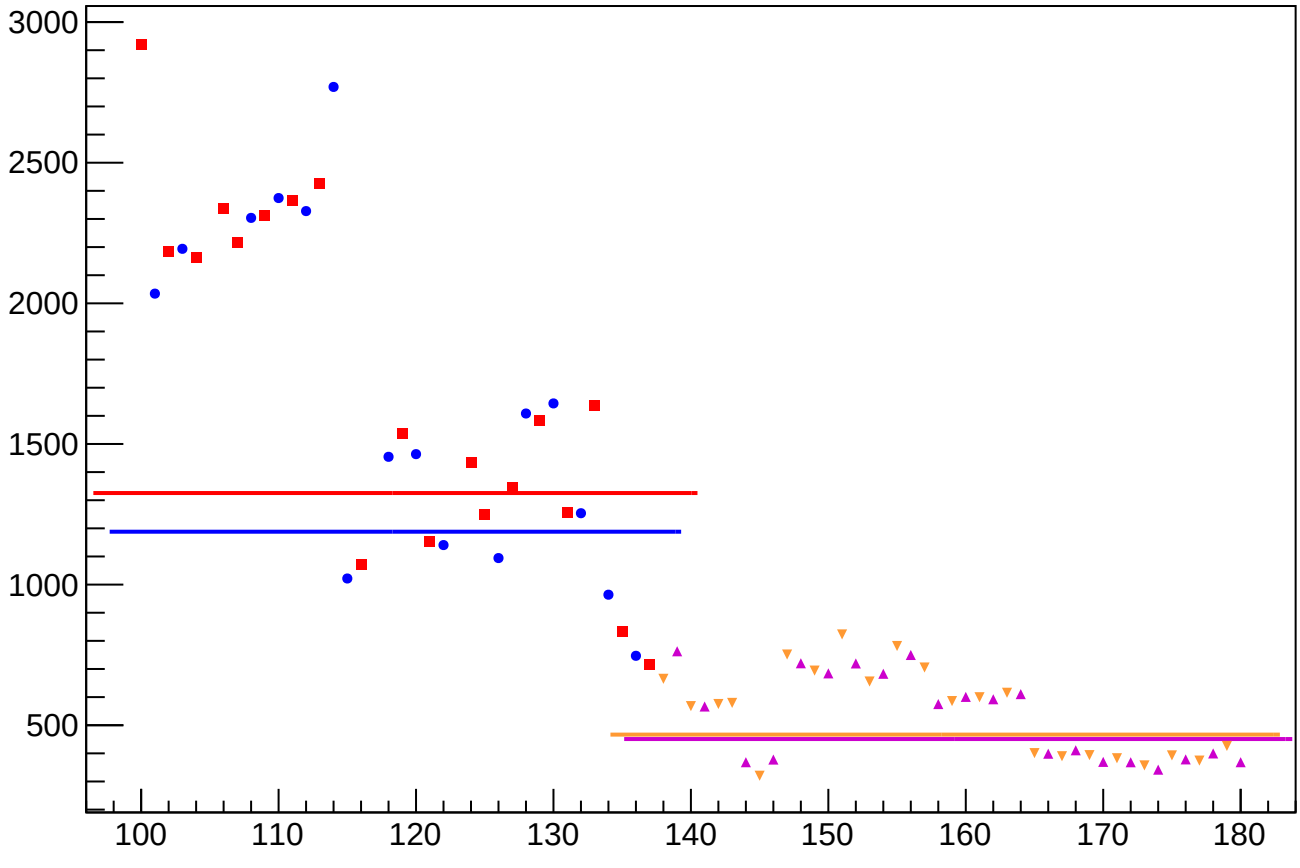
Left: -144.970+/-81.418 χ^2/NDF: 87.5/42

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -3.528+/-110.445 χ^2/NDF:53.0/36

Out: -325.807+/-114.032 χ^2/NDF:65.9/40

All: -159.519+/-79.334 χ^2/NDF: 122.9/77



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 450.909+/-0.080 χ^2/NDF:2534407.8/20

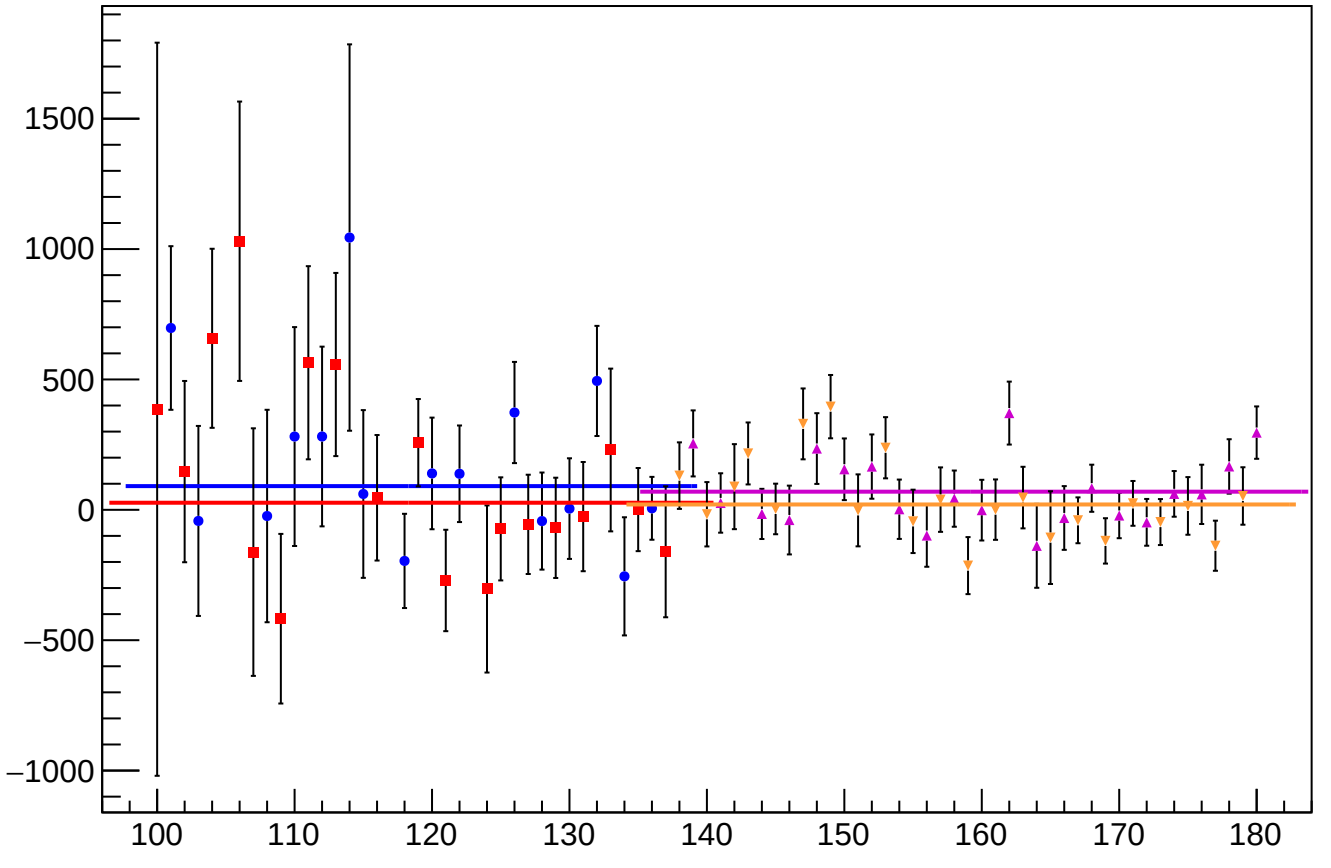
Left: 458.564+/-0.058 χ^2/NDF: 5271930.9/42

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 490.114+/-0.078 χ^2/NDF:9065640.7/36

Out: 507.632+/-0.081 χ^2/NDF:9792104.3/40

All: 498.594+/-0.056 χ^2/NDF: 18882099.4/77



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 20.507+/-23.689 χ^2/NDF:33.9/21

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 69.562+/-23.867 χ^2/NDF:26.5/20

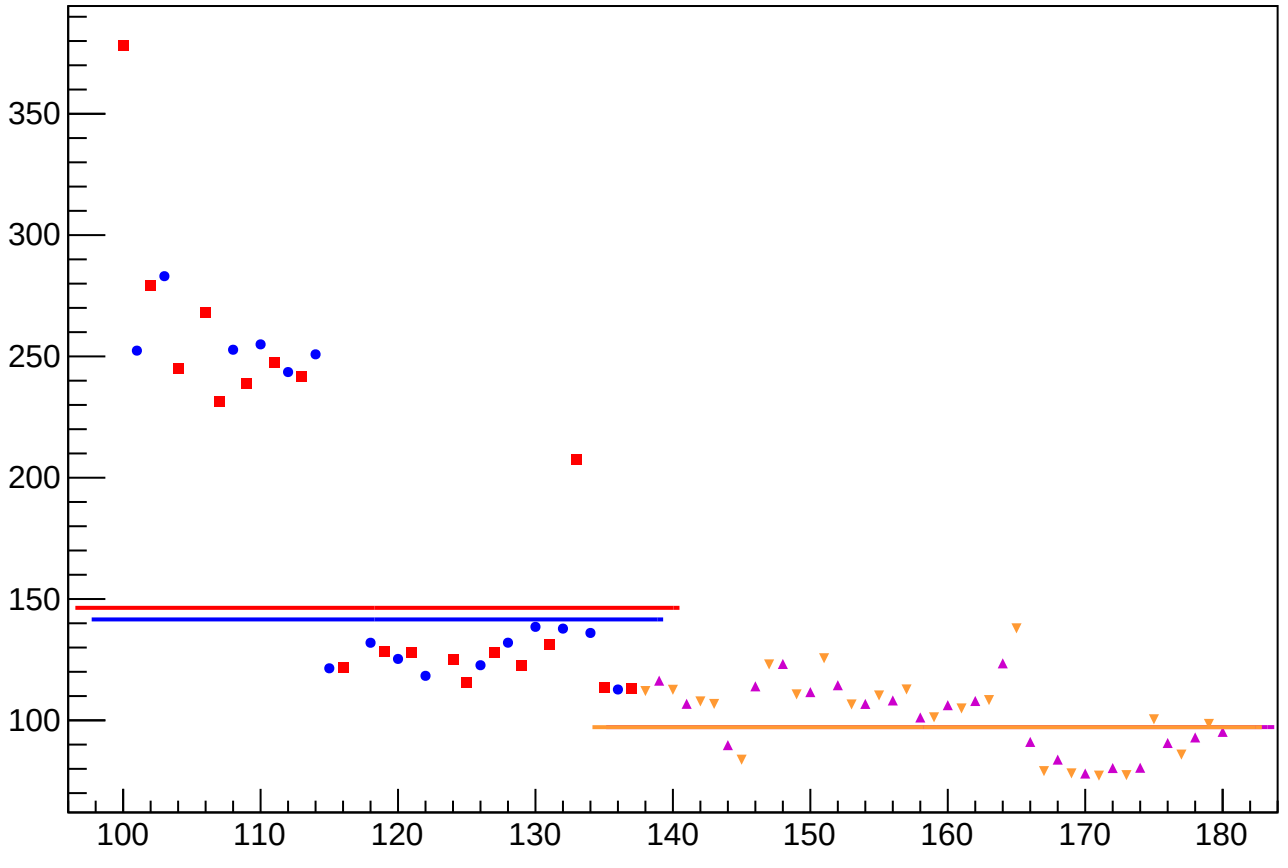
Left: 44.851+/-16.813 χ^2/NDF: 62.5/42

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 72.887+/-21.929 χ^2/NDF:44.7/36

Out: 21.488+/-21.876 χ^2/NDF:54.4/40

All: 47.125+/-15.488 χ^2/NDF: 101.9/77



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.178+/-0.017 χ^2/NDF:921422.8/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.208+/-0.017 χ^2/NDF:662394.8/20

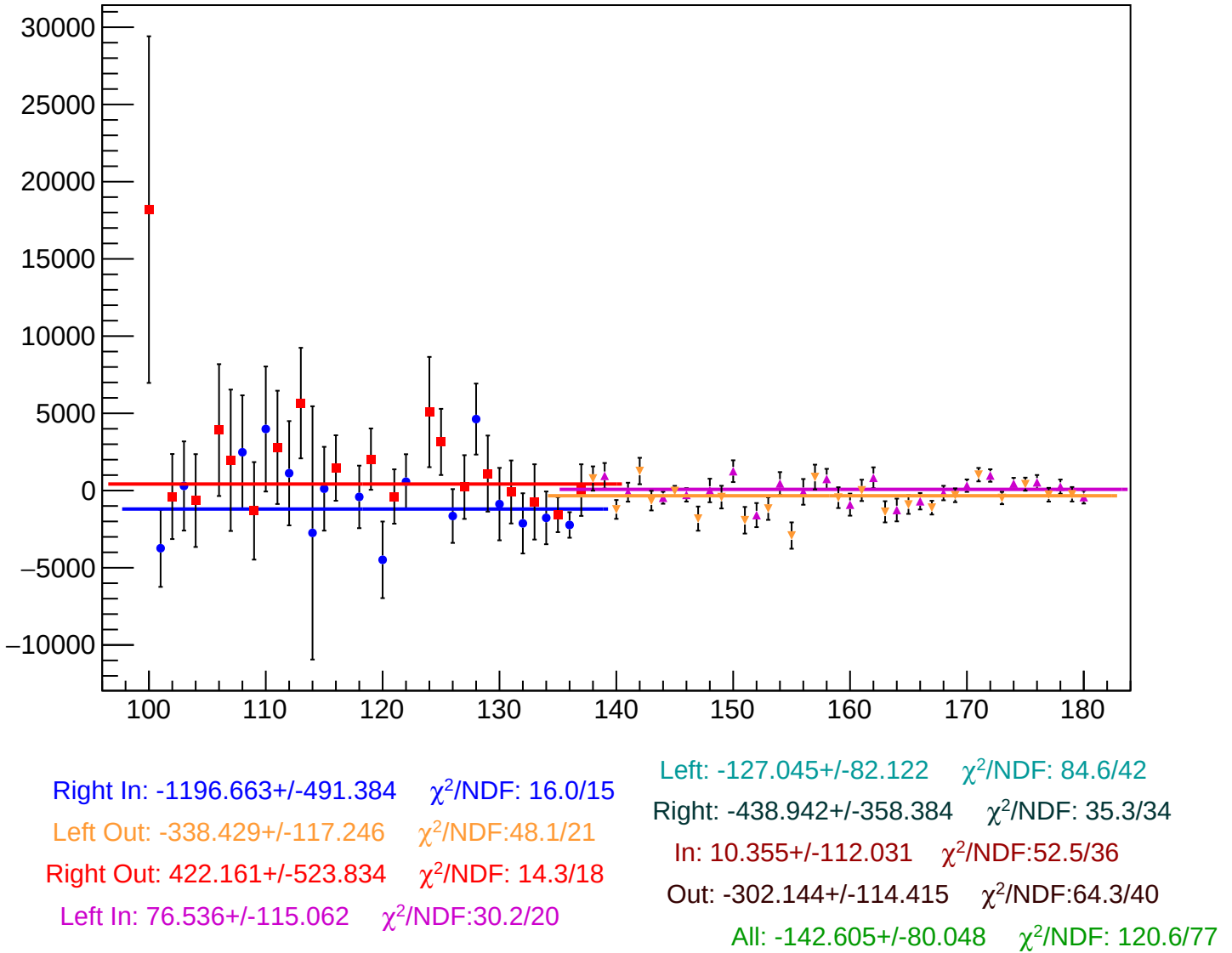
Left: 97.193+/-0.012 χ^2/NDF: 1583819.1/42

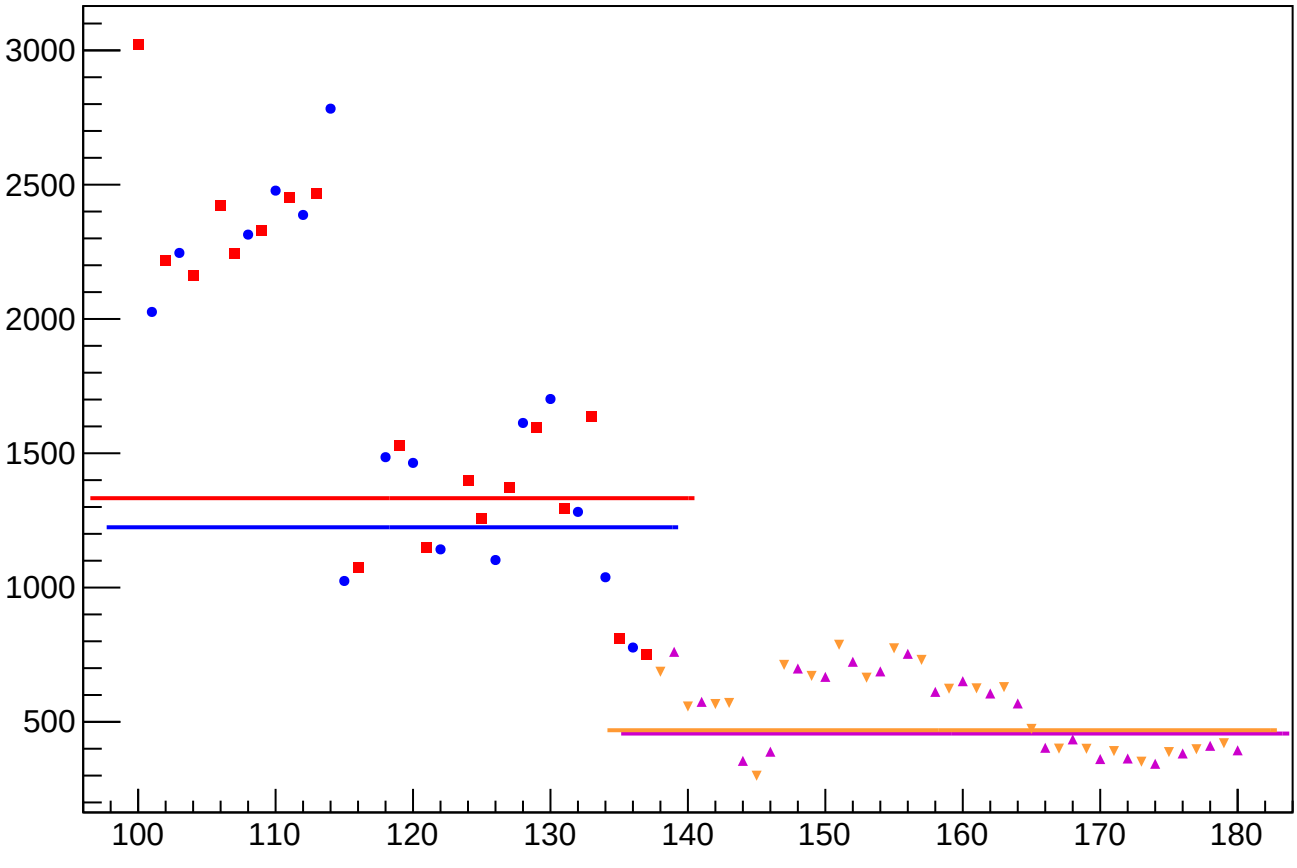
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 104.120+/-0.016 χ^2/NDF:3001836.0/36

Out: 104.420+/-0.015 χ^2/NDF:3704606.1/40

All: 104.270+/-0.011 χ^2/NDF: 6706629.4/77


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -338.429+/-117.246 χ²/NDF:48.1/21
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 76.536+/-115.062 χ²/NDF:30.2/20
Left: -127.045+/-82.122 χ²/NDF: 84.6/42
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: 10.355+/-112.031 χ²/NDF:52.5/36
Out: -302.144+/-114.415 χ²/NDF:64.3/40
All: -142.605+/-80.048 χ²/NDF: 120.6/77



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809633.2/21

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 456.494+/-0.081 χ^2/NDF:2538049.5/20

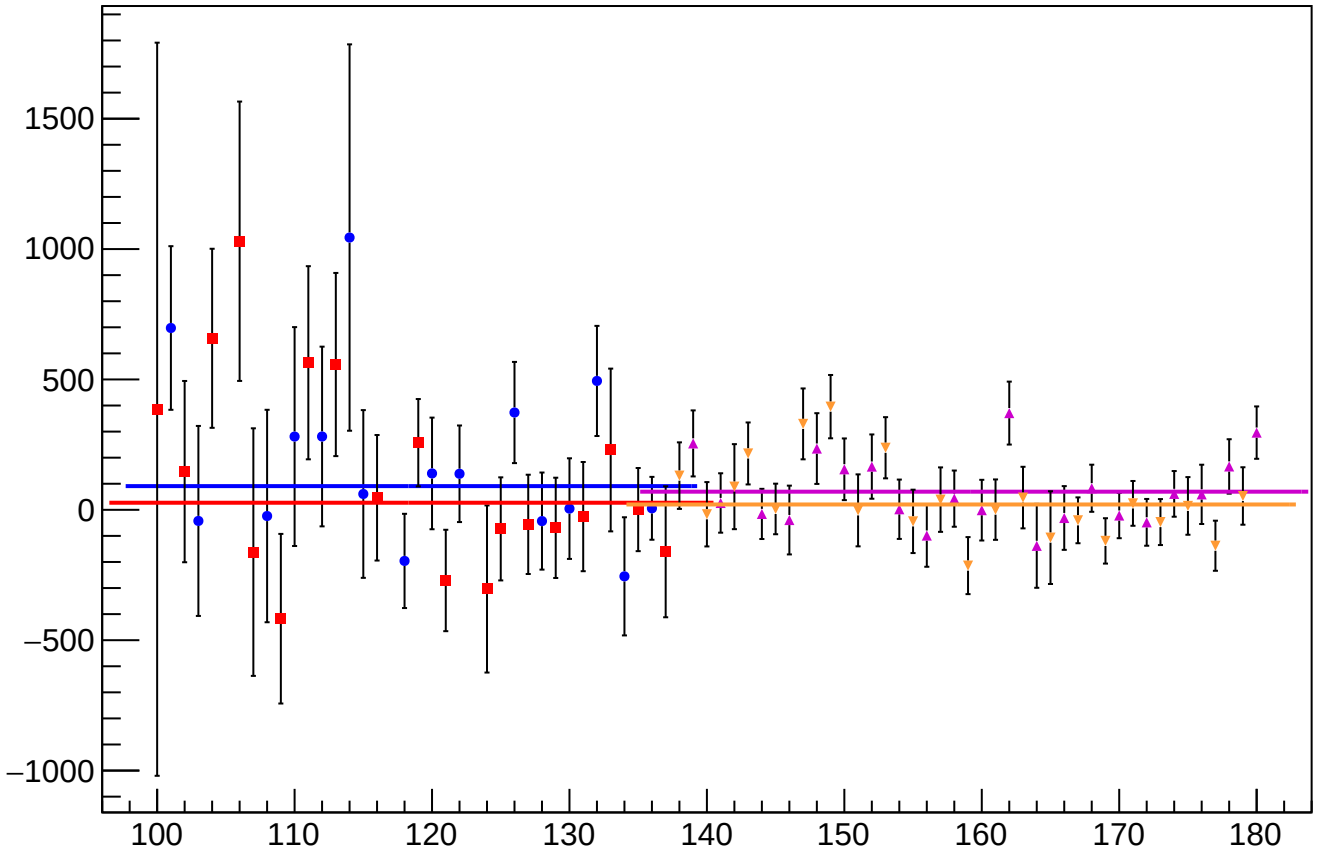
Left: 462.542+/-0.058 χ^2/NDF: 5358944.3/42

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 496.414+/-0.079 χ^2/NDF:9128688.3/36

Out: 510.038+/-0.081 χ^2/NDF:9985334.1/40

All: 503.082+/-0.057 χ^2/NDF: 19128500.7/77



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 20.505+/-23.689 χ^2/NDF:33.9/21

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 69.562+/-23.867 χ^2/NDF:26.5/20

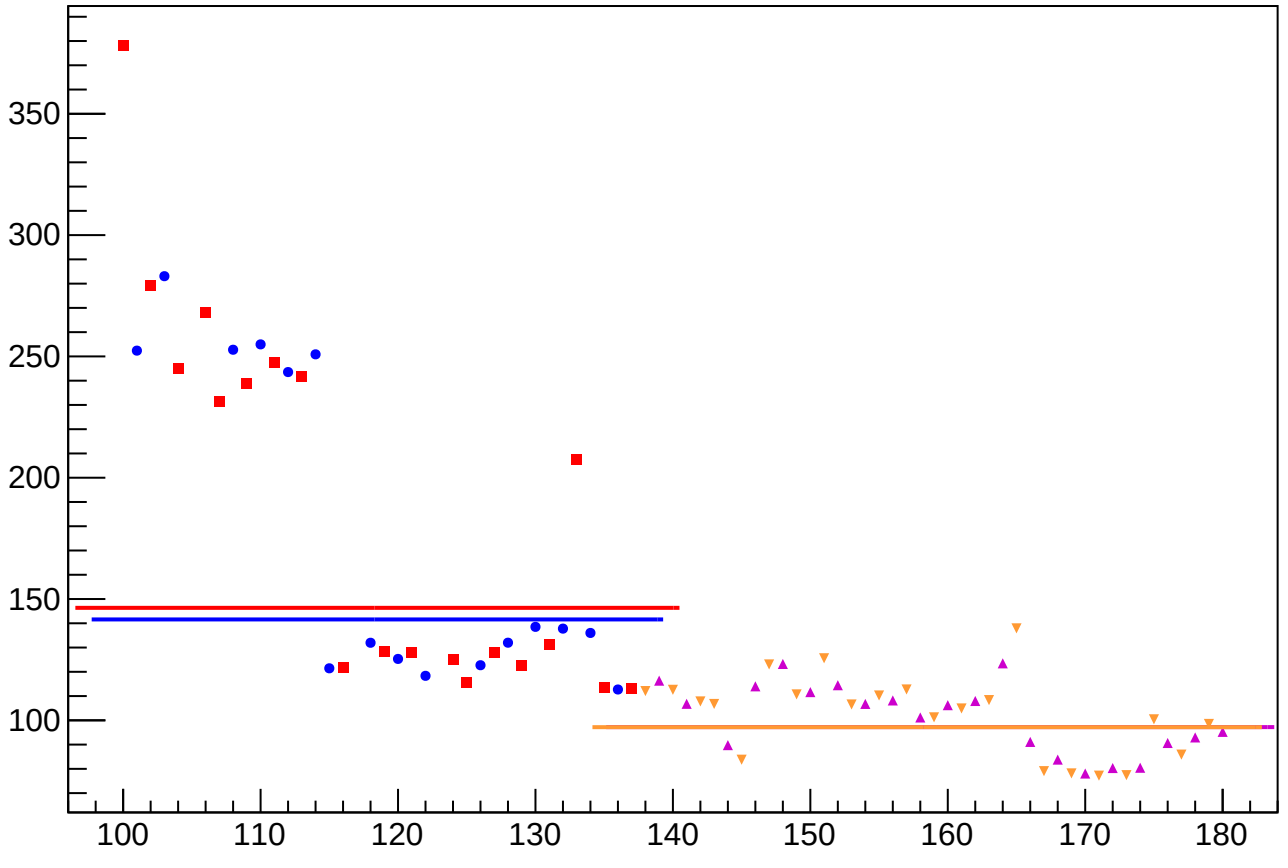
Left: 44.850+/-16.813 χ^2/NDF: 62.5/42

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 72.887+/-21.930 χ^2/NDF:44.7/36

Out: 21.486+/-21.876 χ^2/NDF:54.4/40

All: 47.124+/-15.488 χ^2/NDF: 101.9/77



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.179+/-0.017 χ^2/NDF:921423.0/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.208+/-0.017 χ^2/NDF:662384.1/20

Left: 97.193+/-0.012 χ^2/NDF: 1583808.6/42

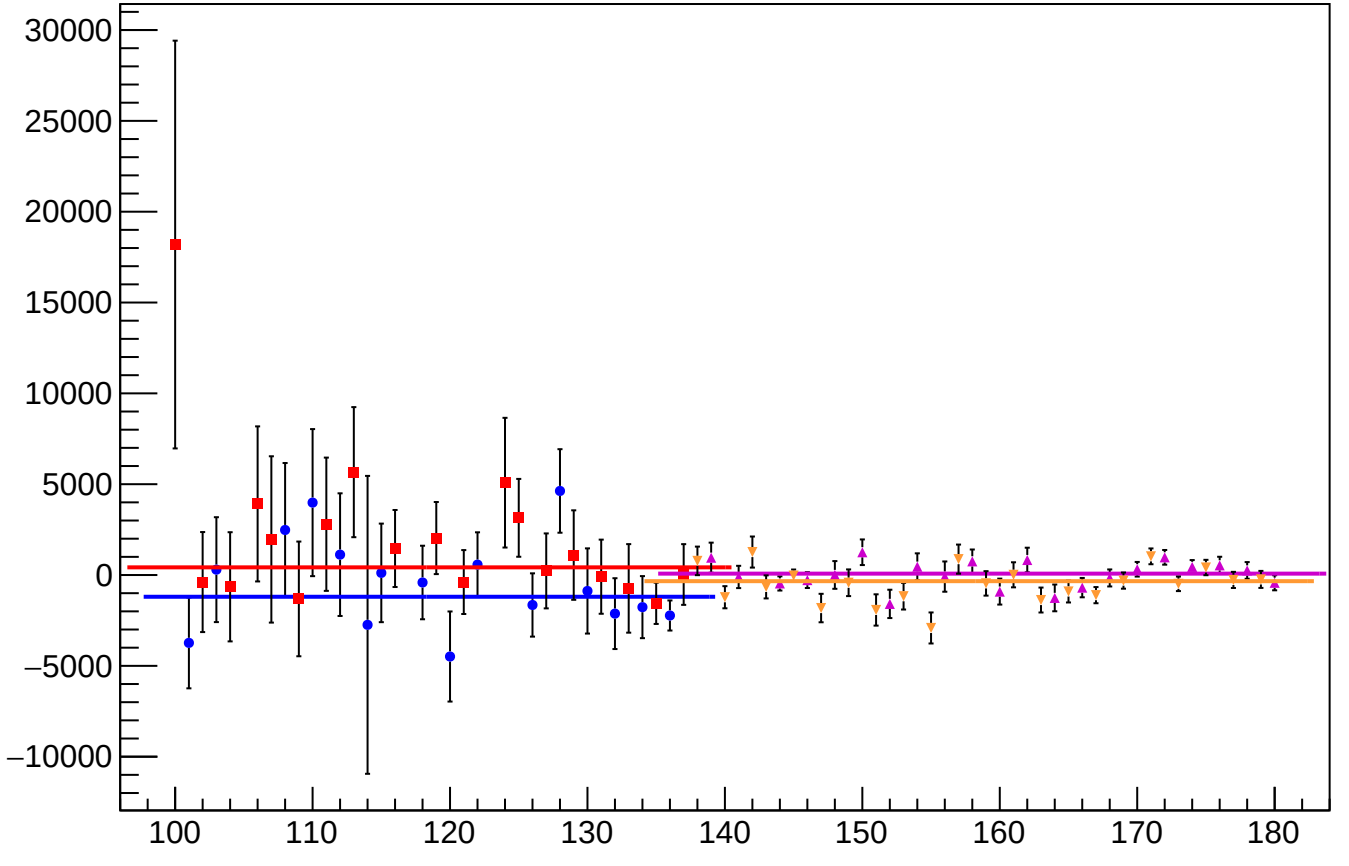
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 104.120+/-0.016 χ^2/NDF:3001764.5/36

Out: 104.420+/-0.015 χ^2/NDF:3704563.2/40

All: 104.271+/-0.011 χ^2/NDF: 6706515.0/77

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: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 76.536+/-115.062 χ^2/NDF:30.2/20

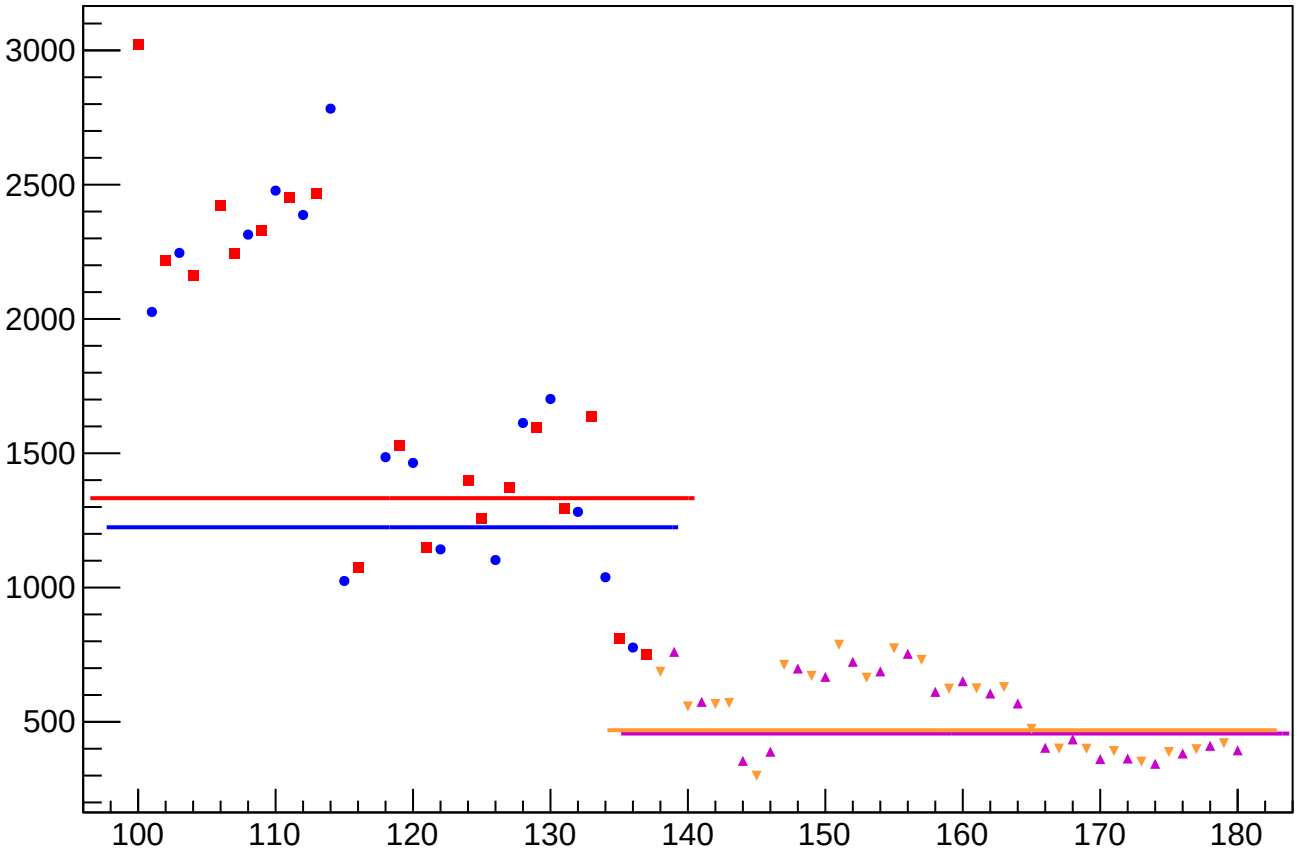
Left: -127.045+/-82.122 χ^2/NDF: 84.6/42

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: 10.355+/-112.031 χ^2/NDF:52.5/36

Out: -302.143+/-114.415 χ^2/NDF:64.3/40

All: -142.605+/-80.048 χ^2/NDF: 120.6/77



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809655.1/21

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 456.494+/-0.081 χ^2/NDF:2538049.2/20

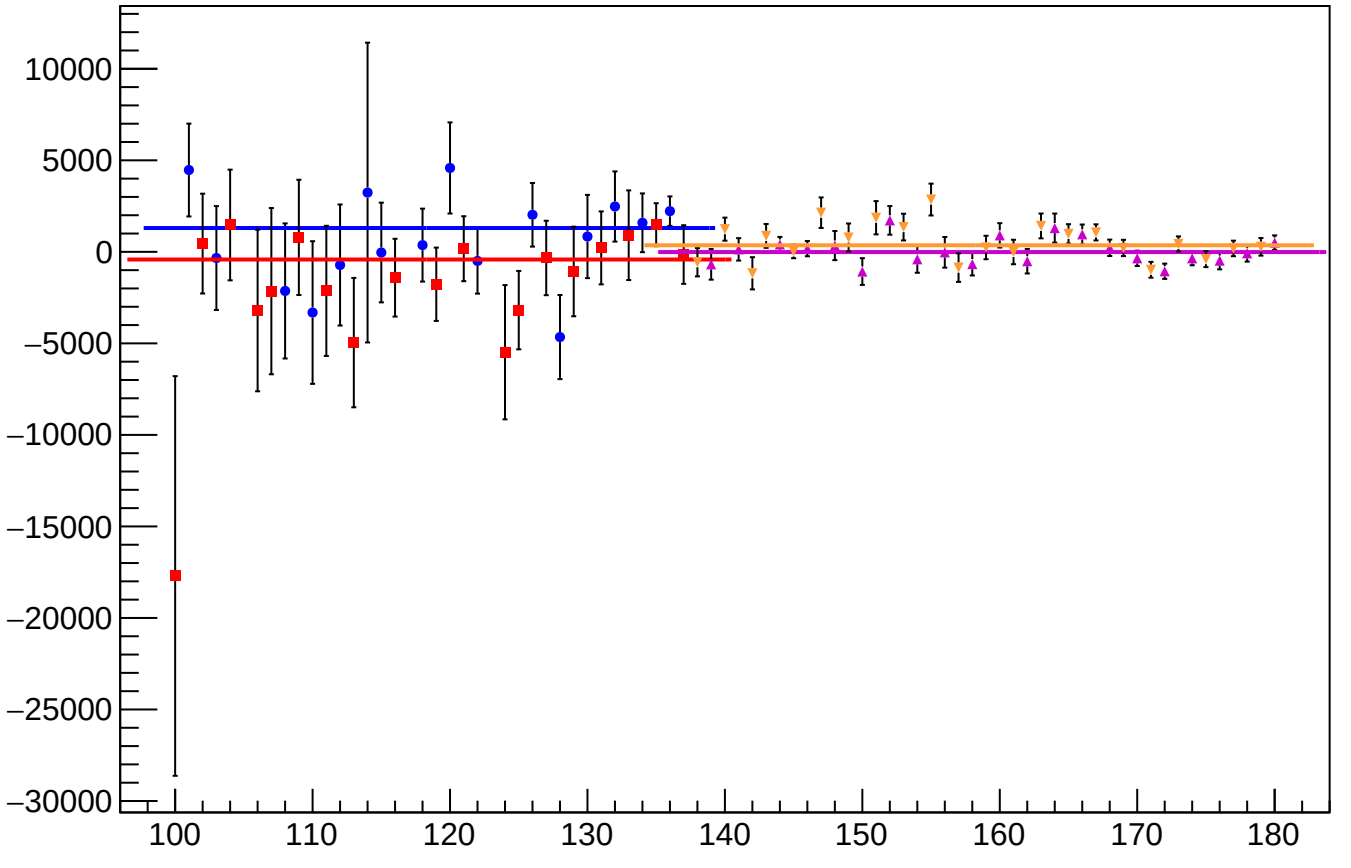
Left: 462.541+/-0.058 χ^2/NDF: 5358965.1/42

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 496.414+/-0.079 χ^2/NDF:9128671.4/36

Out: 510.038+/-0.081 χ^2/NDF:9985348.1/40

All: 503.082+/-0.057 χ^2/NDF: 19128496.7/77



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.236+/-118.489 χ^2/NDF:47.6/21

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -11.768+/-115.207 χ^2/NDF:29.8/20

Left: 168.526+/-82.600 χ^2/NDF: 82.4/42

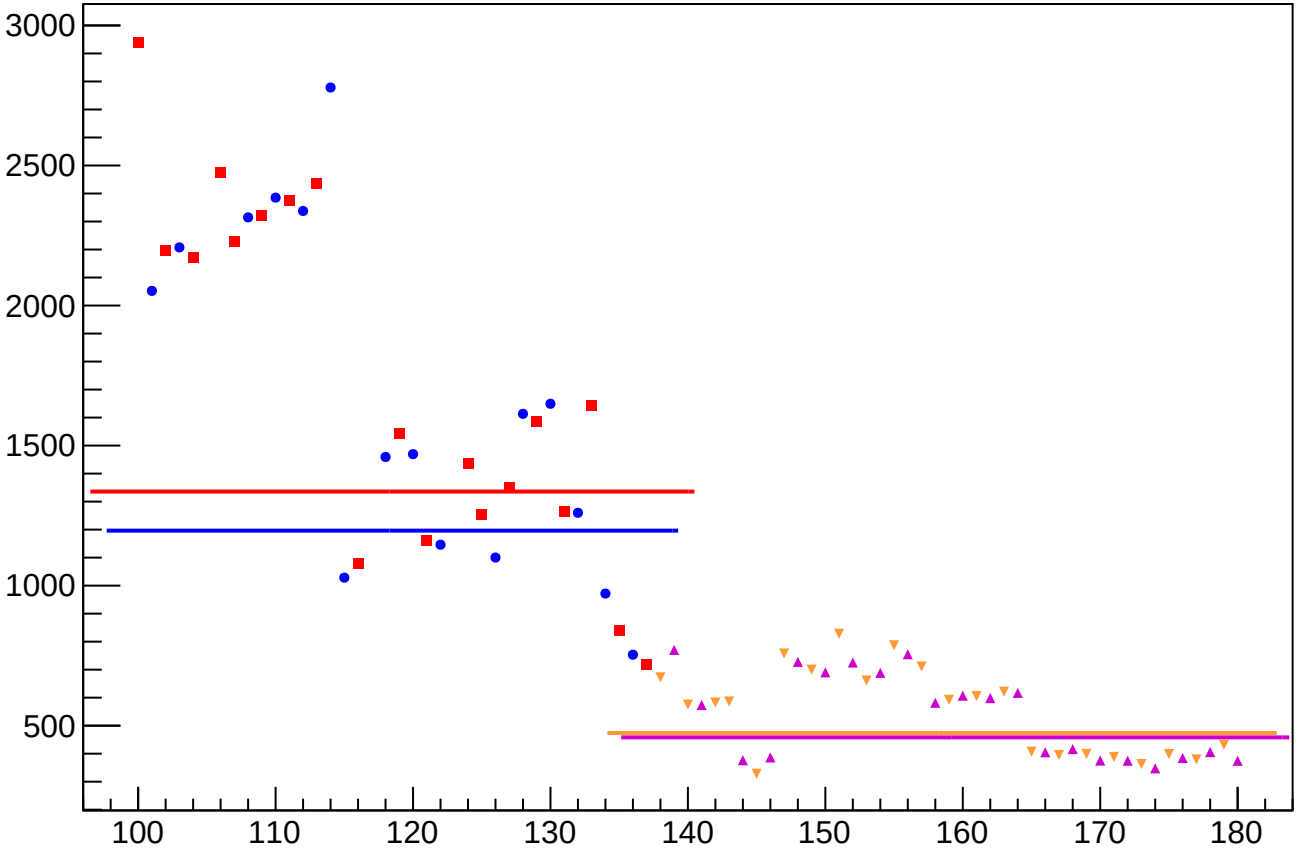
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 59.223+/-112.051 χ^2/NDF:53.3/36

Out: 321.485+/-115.576 χ^2/NDF:62.8/40

All: 186.292+/-80.449 χ^2/NDF: 118.7/77

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 473.722+/-0.084 χ^2/NDF:2655287.8/21

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 458.148+/-0.081 χ^2/NDF:2475573.3/20

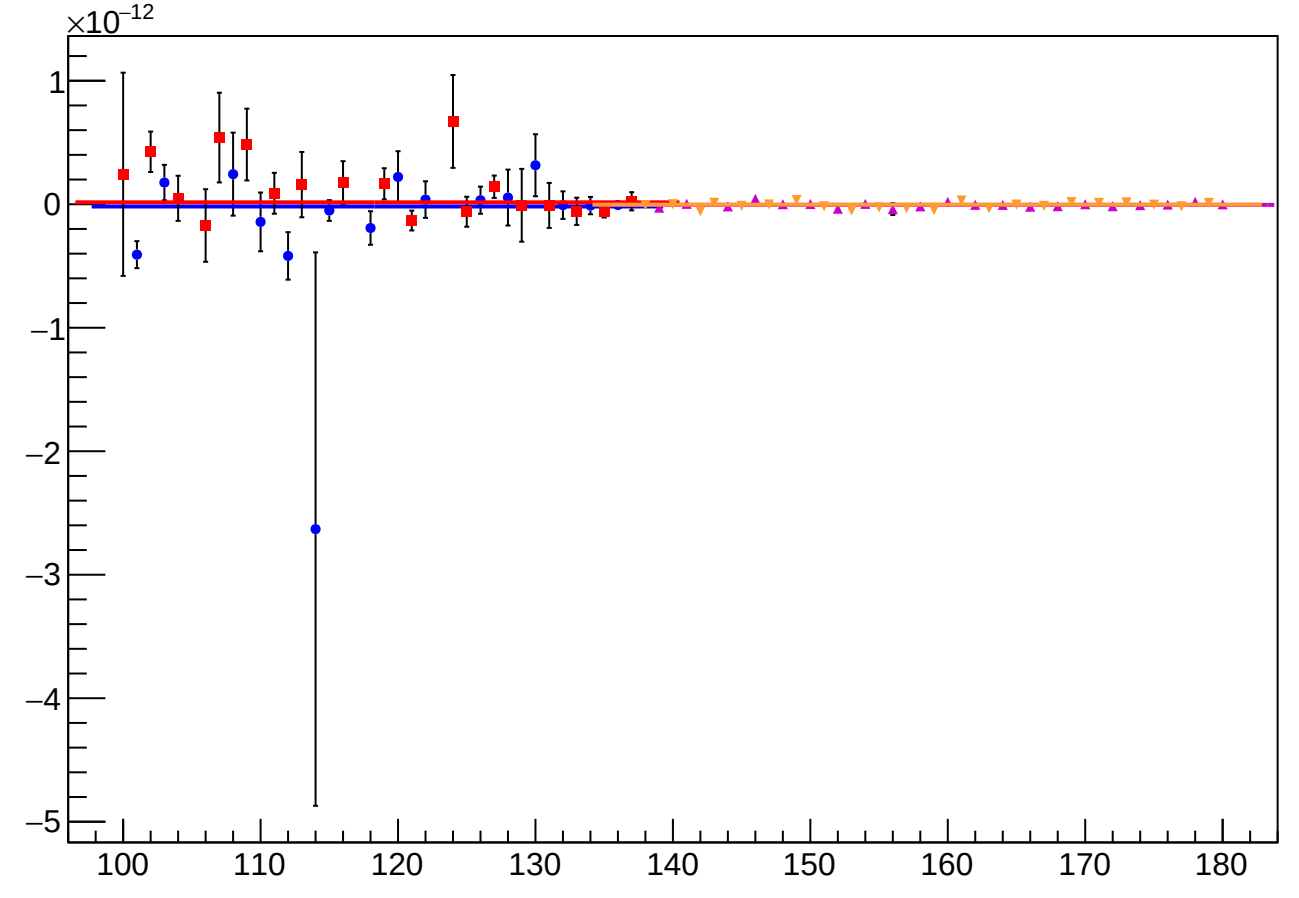
Left: 465.716+/-0.058 χ^2/NDF: 5148623.5/42

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 498.049+/-0.079 χ^2/NDF:8945739.7/36

Out: 515.580+/-0.082 χ^2/NDF:9747195.3/40

All: 506.543+/-0.057 χ^2/NDF: 18716655.1/77



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/20

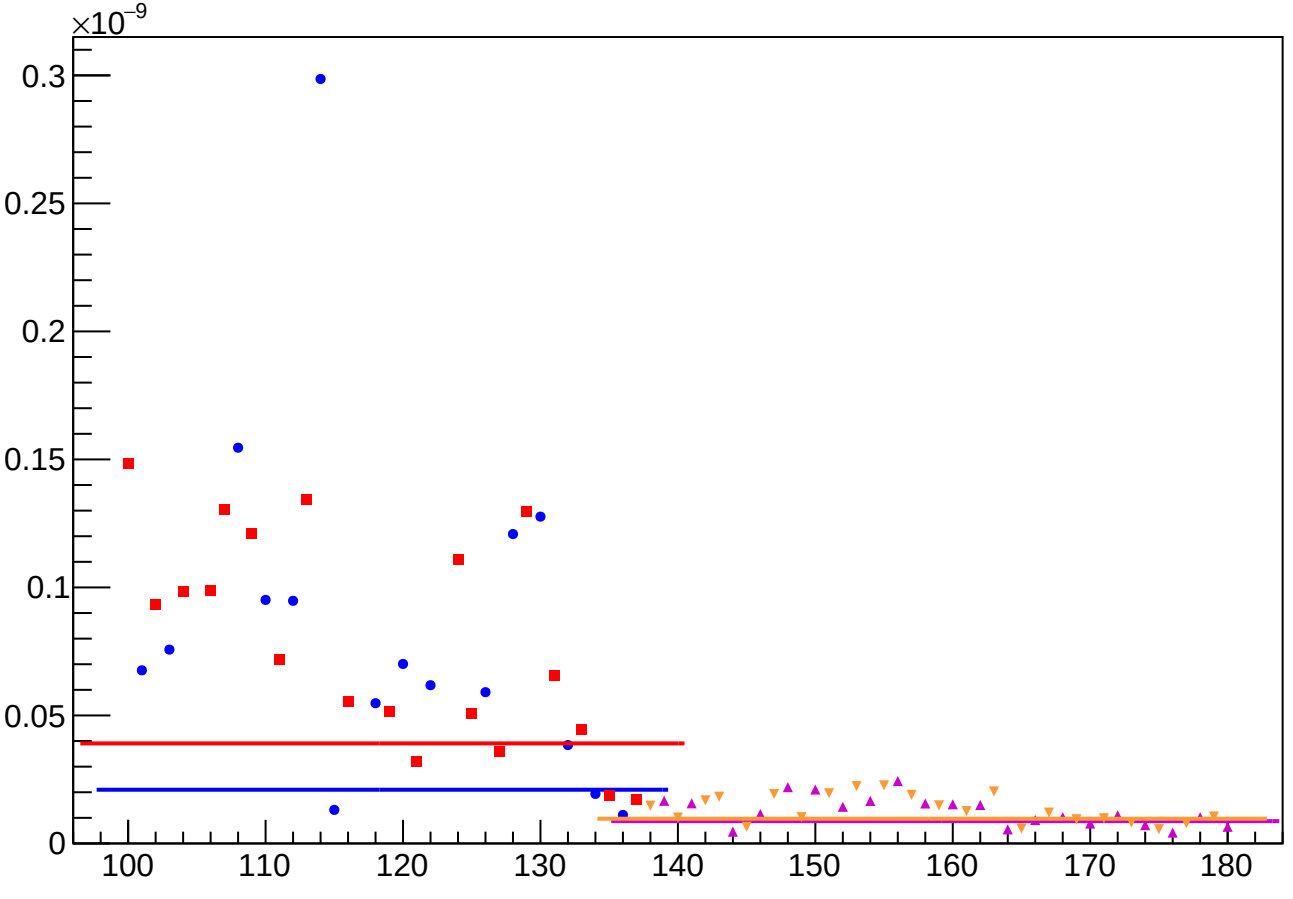
Left: -0.000+/-0.000 χ^2/NDF: 35.1/42

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:42.5/36

Out: -0.000+/-0.000 χ^2/NDF:45.8/40

All: -0.000+/-0.000 χ^2/NDF: 88.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2379259.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2649866.7/20

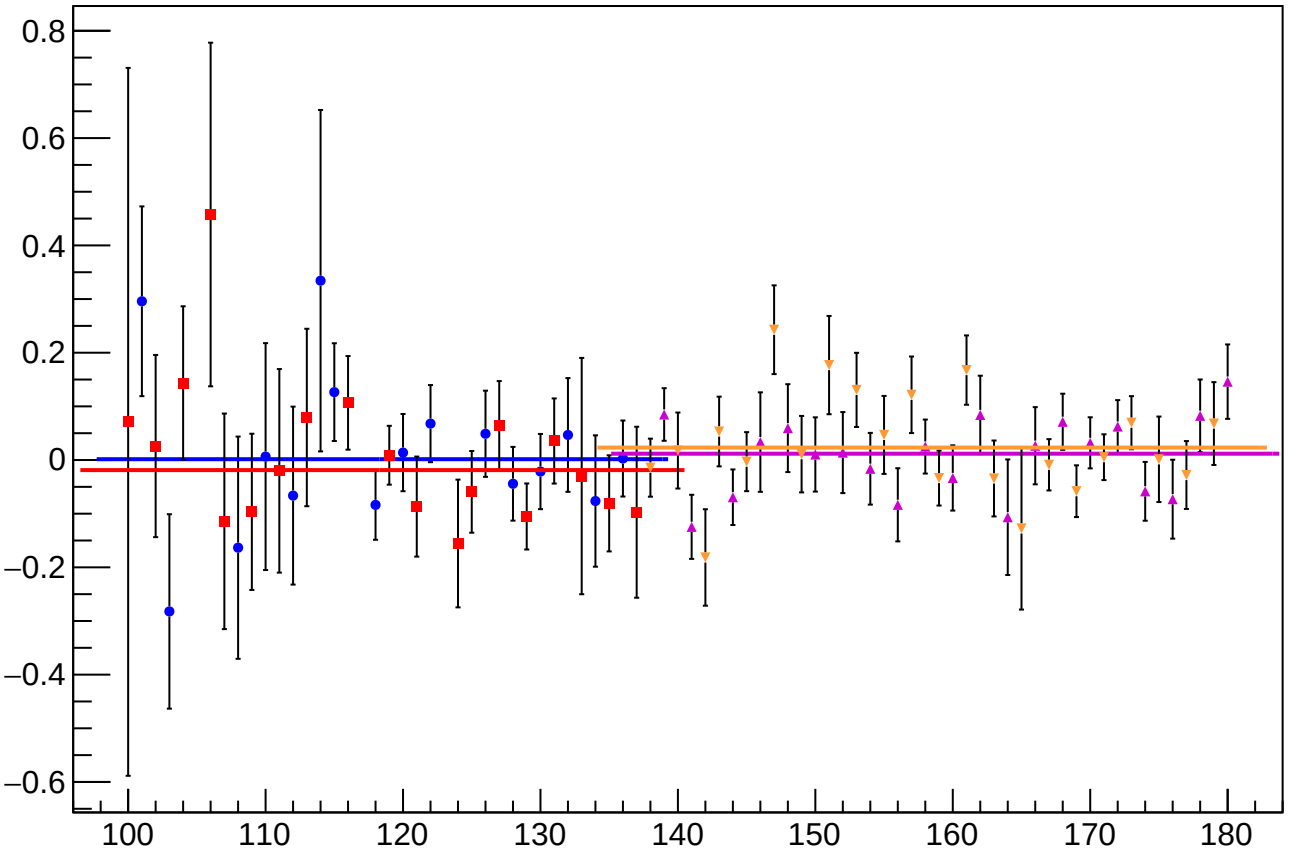
Left: 0.000+/-0.000 χ^2/NDF: 5084783.0/42

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6936218.0/36

Out: 0.000+/-0.000 χ^2/NDF:6680175.5/40

All: 0.000+/-0.000 χ^2/NDF: 13680391.0/77



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.012+/-0.014 χ^2/NDF:25.6/20

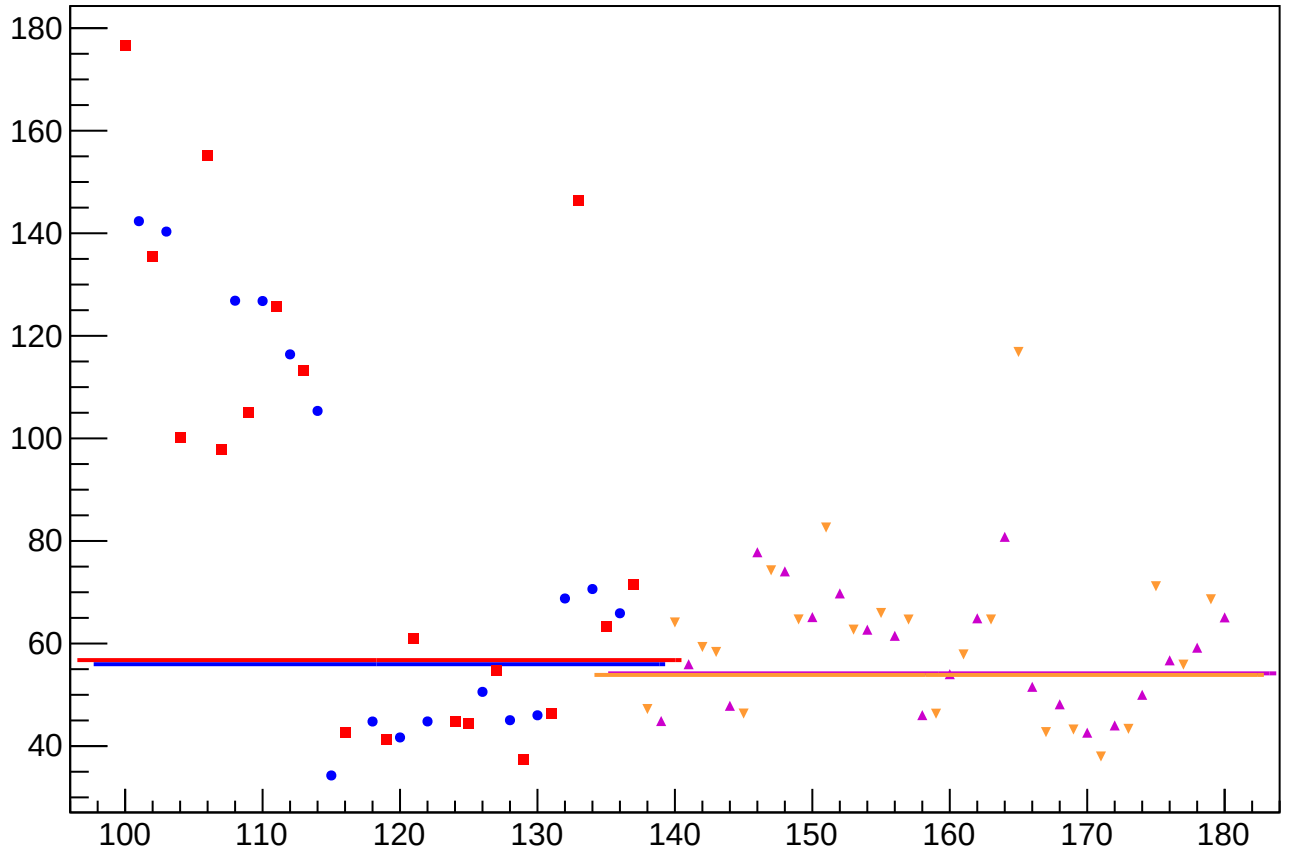
Left: 0.018+/-0.010 χ^2/NDF: 59.7/42

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.8/36

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.011+/-0.008 χ^2/NDF: 88.1/77



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813109.3/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.184+/-0.010 χ^2/NDF:1066635.0/20

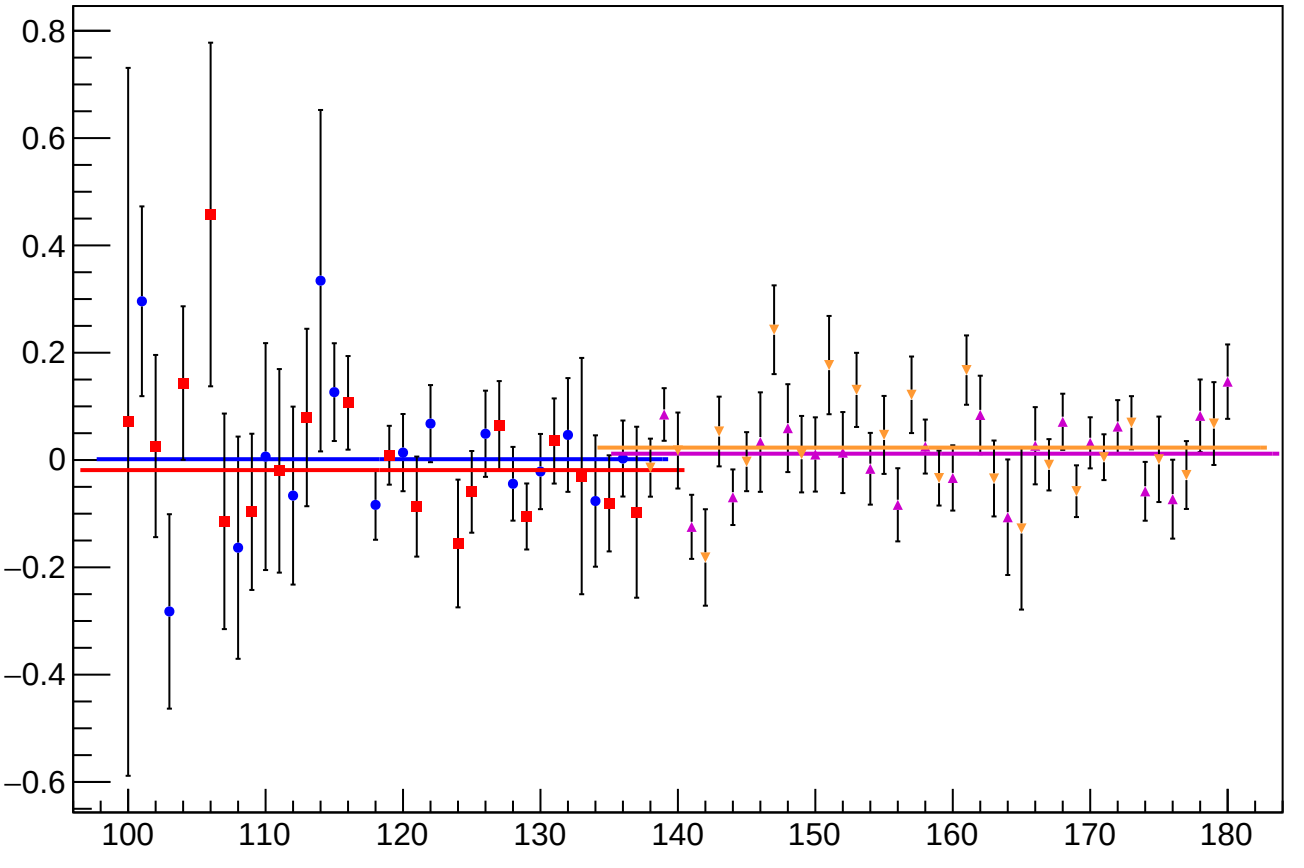
Left: 54.031+/-0.007 χ^2/NDF: 2880249.6/42

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.631+/-0.008 χ^2/NDF:3255167.7/36

Out: 54.590+/-0.008 χ^2/NDF:4389114.3/40

All: 54.611+/-0.006 χ^2/NDF: 7644294.1/77



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.012+/-0.014 χ^2/NDF:25.6/20

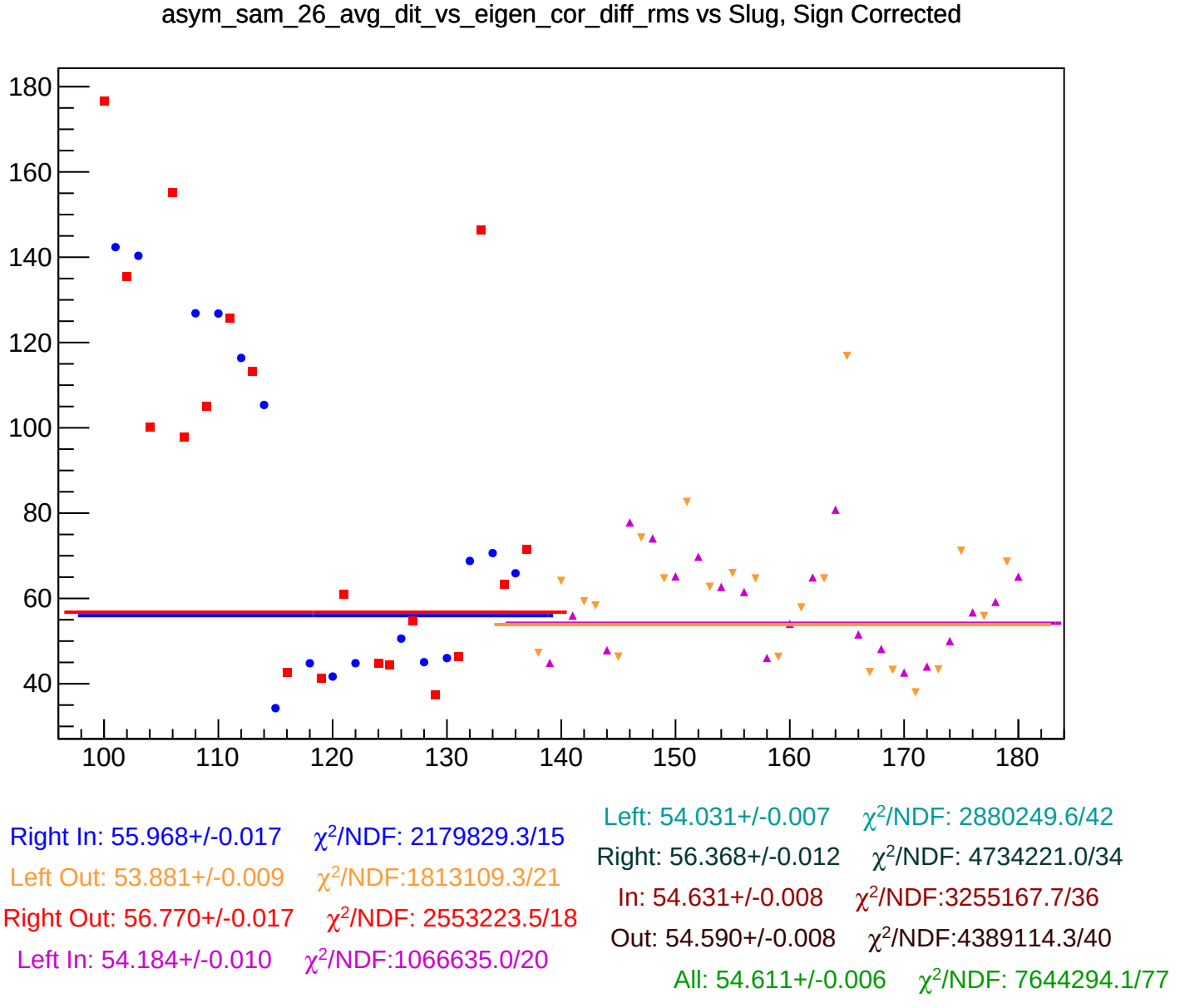
Left: 0.018+/-0.010 χ^2/NDF: 59.7/42

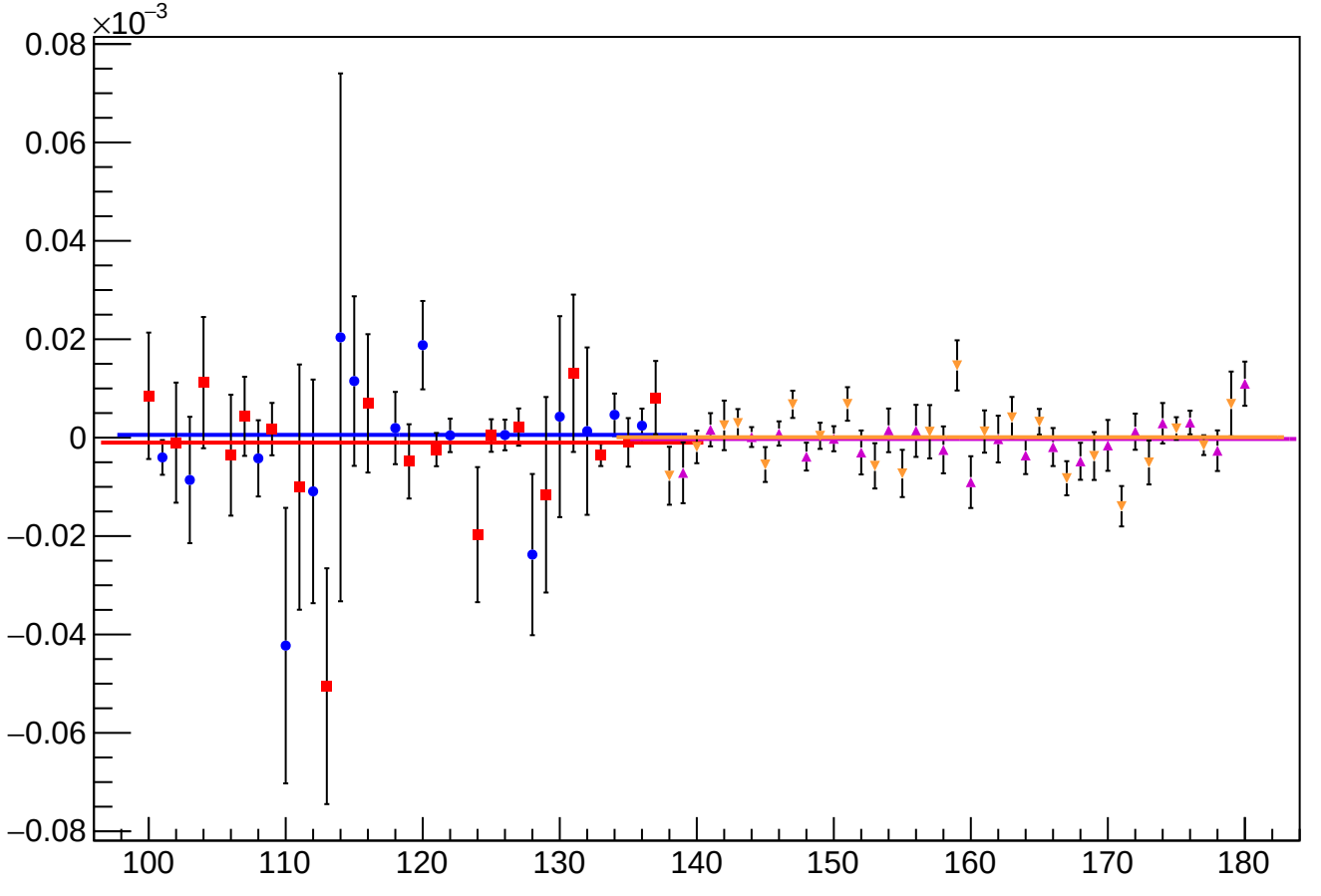
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.8/36

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.011+/-0.008 χ^2/NDF: 88.1/77


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
Right In: 55.968+/-0.017 χ²/NDF: 2179829.3/15
Left Out: 53.881+/-0.009 χ²/NDF:1813109.3/21
Right Out: 56.770+/-0.017 χ²/NDF: 2553223.5/18
Left In: 54.184+/-0.010 χ²/NDF:1066635.0/20
Left: 54.031+/-0.007 χ²/NDF: 2880249.6/42
Right: 56.368+/-0.012 χ²/NDF: 4734221.0/34
In: 54.631+/-0.008 χ²/NDF:3255167.7/36
Out: 54.590+/-0.008 χ²/NDF:4389114.3/40
All: 54.611+/-0.006 χ²/NDF: 7644294.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/20

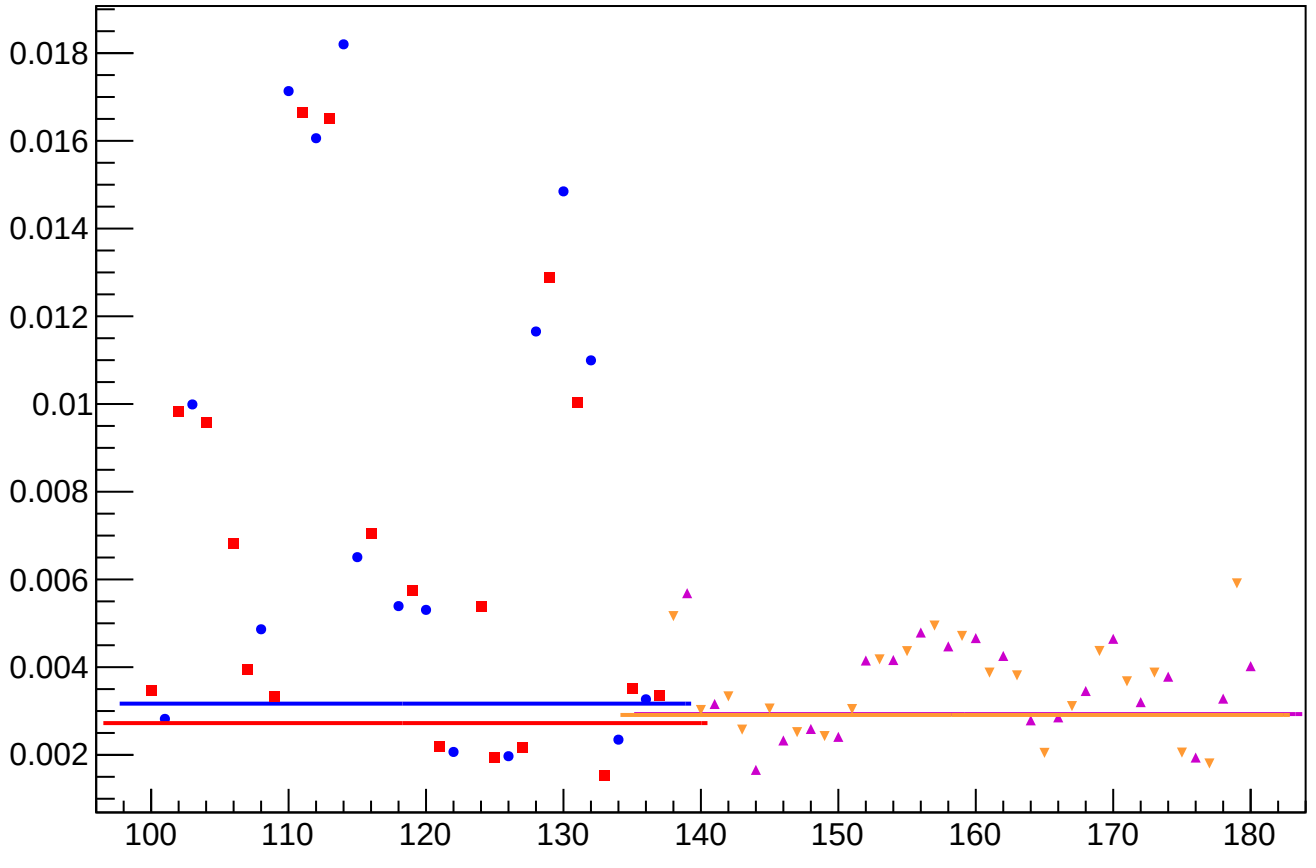
Left: -0.000+/-0.000 χ^2/NDF: 70.8/42

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:32.3/36

Out: -0.000+/-0.000 χ^2/NDF:66.3/40

All: -0.000+/-0.000 χ^2/NDF: 98.6/77



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3377628.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3396673.1/20

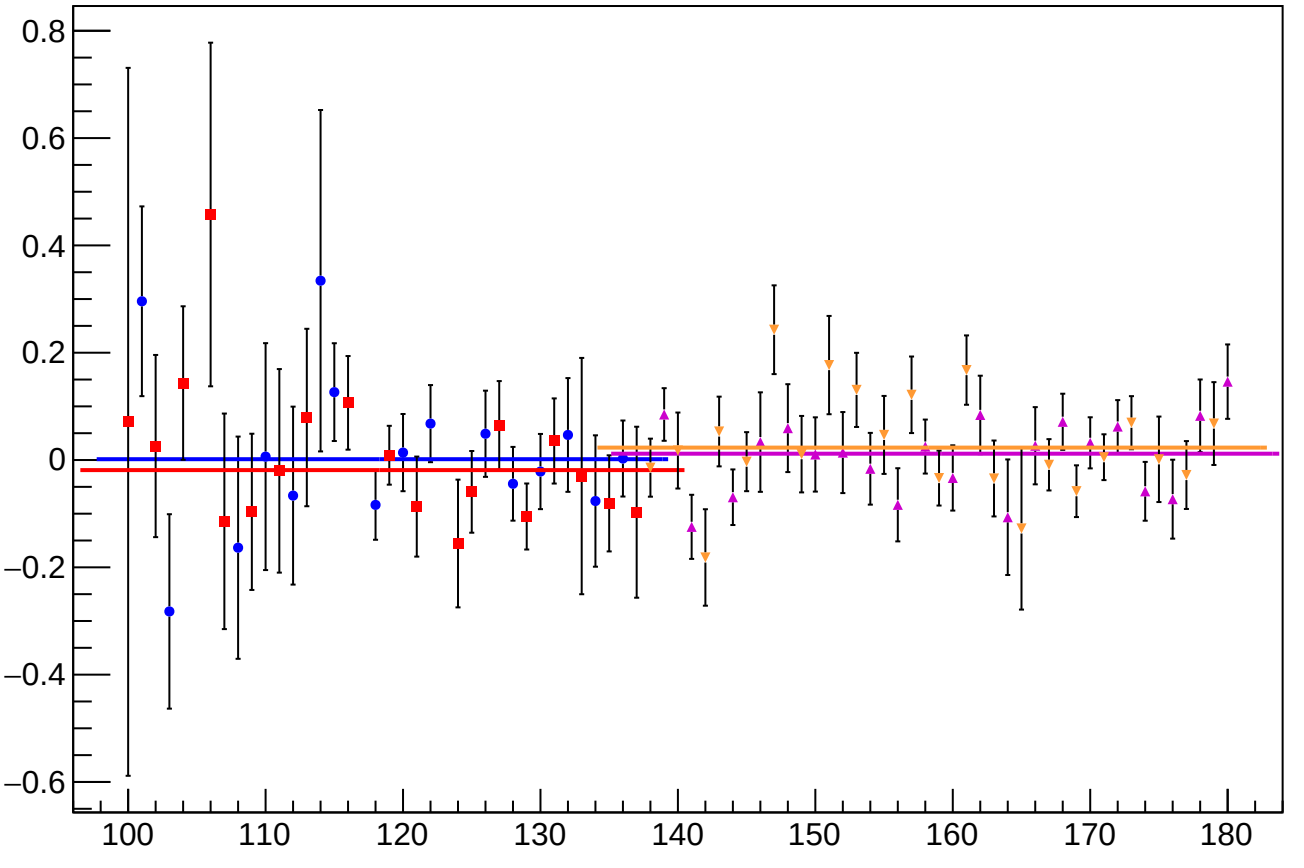
Left: 0.003+/-0.000 χ^2/NDF: 6774987.5/42

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7984653.0/36

Out: 0.003+/-0.000 χ^2/NDF:8562775.0/40

All: 0.003+/-0.000 χ^2/NDF: 16579754.7/77



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.012+/-0.014 χ^2/NDF:25.6/20

Left: 0.018+/-0.010 χ^2/NDF: 59.7/42

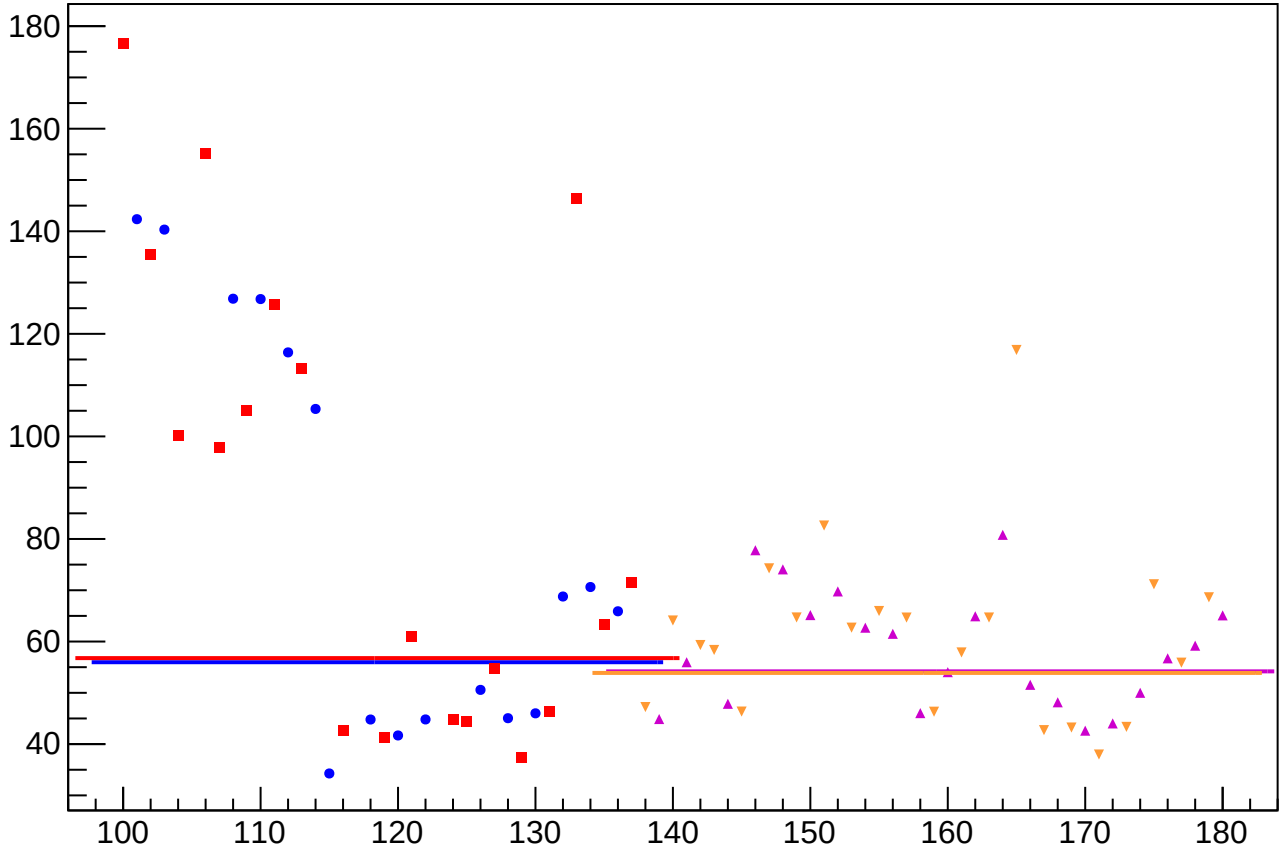
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.8/36

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.011+/-0.008 χ^2/NDF: 88.1/77

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813114.1/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

Left: 54.031+/-0.007 χ^2/NDF: 2880227.5/42

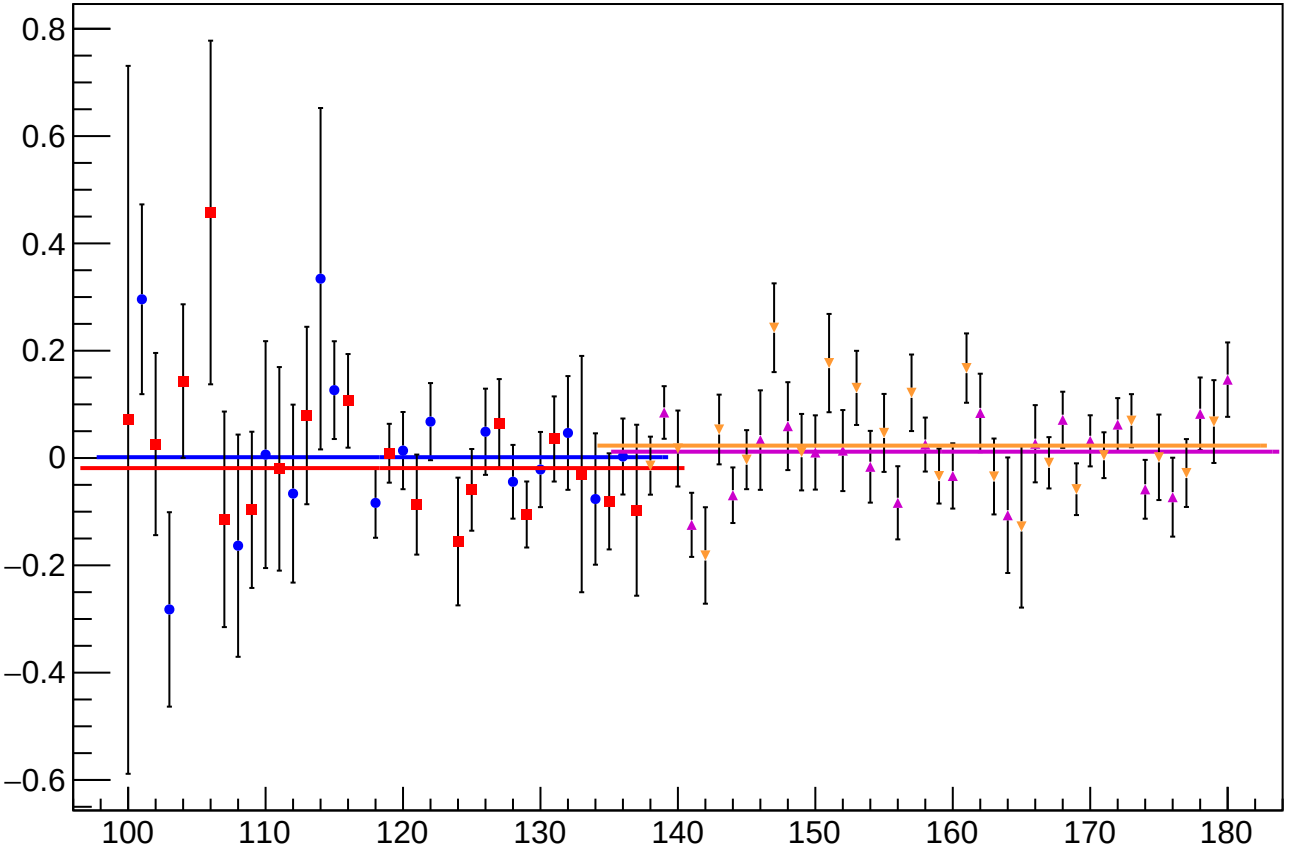
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.631+/-0.008 χ^2/NDF:3255059.5/36

Out: 54.591+/-0.008 χ^2/NDF:4389048.5/40

All: 54.611+/-0.006 χ^2/NDF: 7644120.3/77

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+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.012+/-0.014 χ^2/NDF:25.6/20

Left: 0.018+/-0.010 χ^2/NDF: 59.7/42

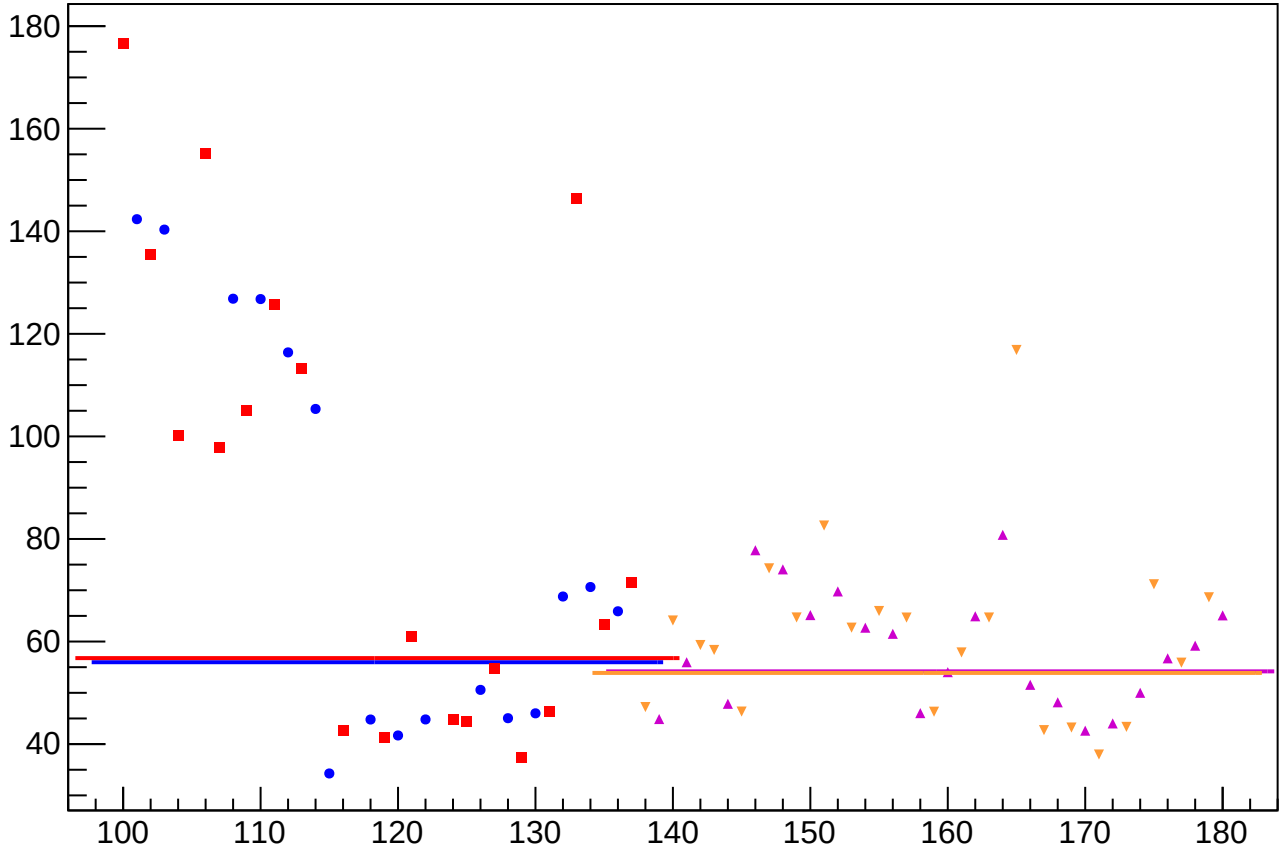
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.009+/-0.012 χ^2/NDF:38.8/36

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.011+/-0.008 χ^2/NDF: 88.1/77

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813114.1/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.184+/-0.010 χ^2/NDF:1066607.6/20

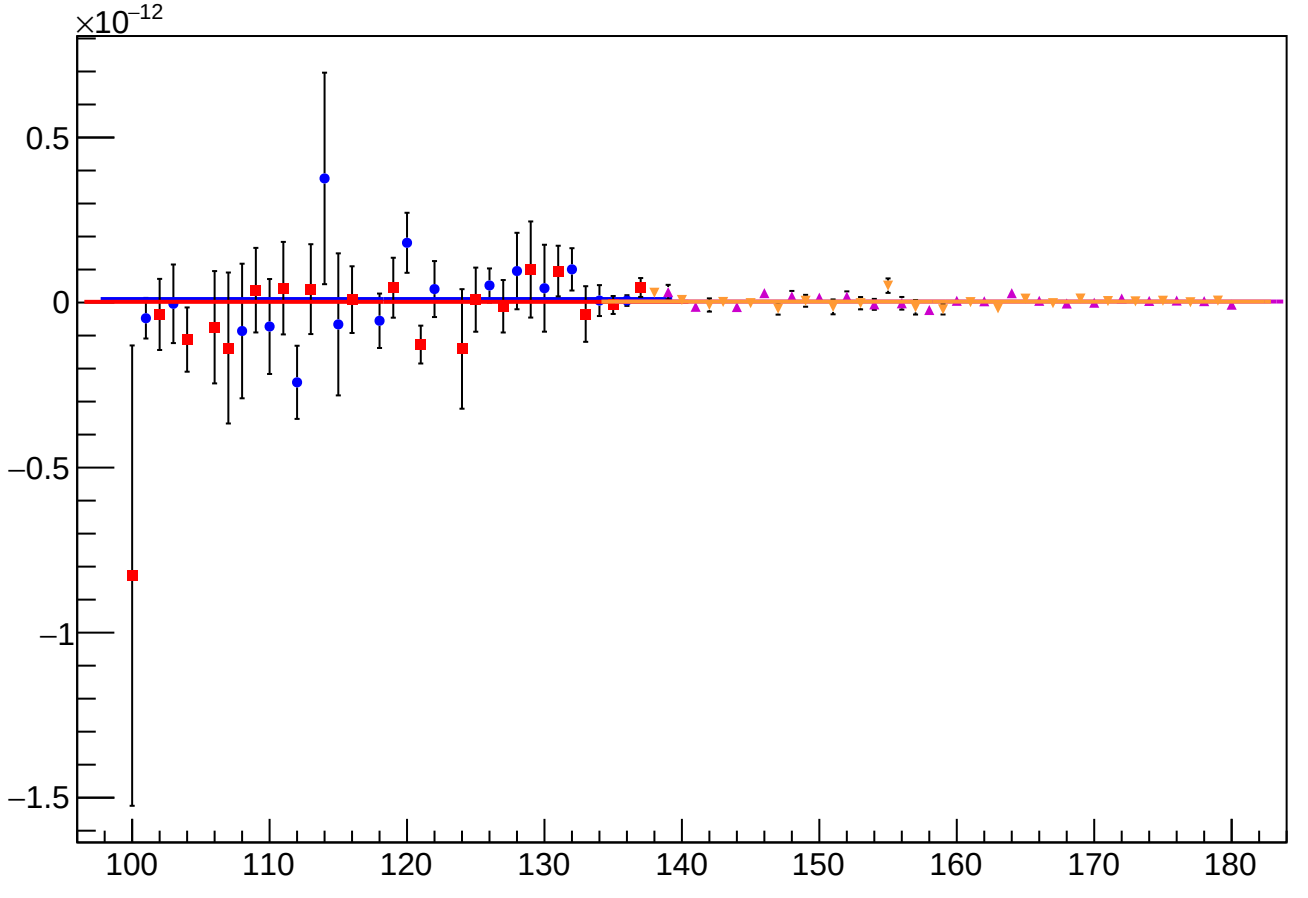
Left: 54.031+/-0.007 χ^2/NDF: 2880227.5/42

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.631+/-0.008 χ^2/NDF:3255059.5/36

Out: 54.591+/-0.008 χ^2/NDF:4389048.5/40

All: 54.611+/-0.006 χ^2/NDF: 7644120.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/20

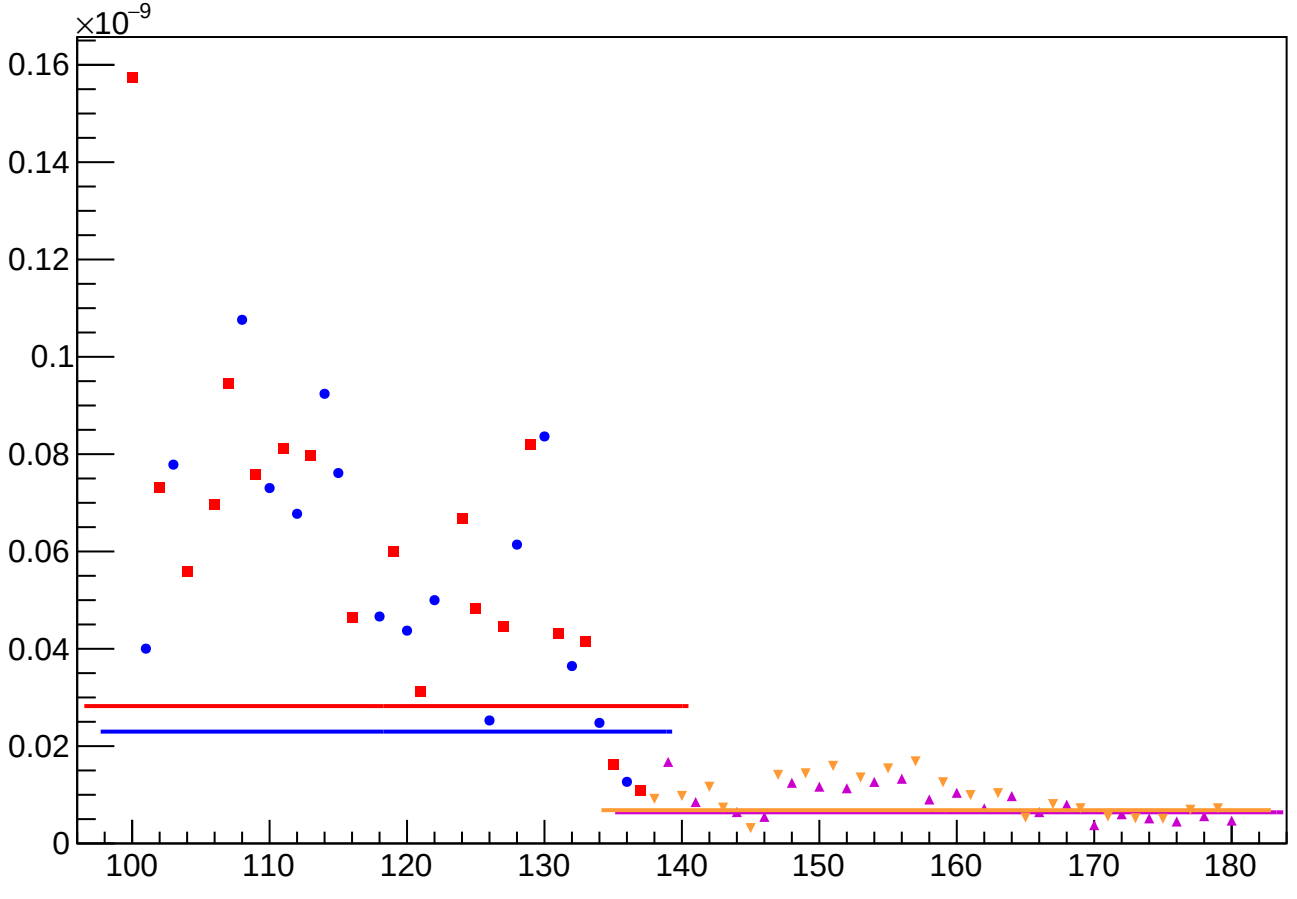
Left: 0.000+/-0.000 χ^2/NDF: 52.3/42

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:48.4/36

Out: 0.000+/-0.000 χ^2/NDF:34.2/40

All: 0.000+/-0.000 χ^2/NDF: 82.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4230334.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3037278.4/20

Left: 0.000+/-0.000 χ^2/NDF: 7309741.8/42

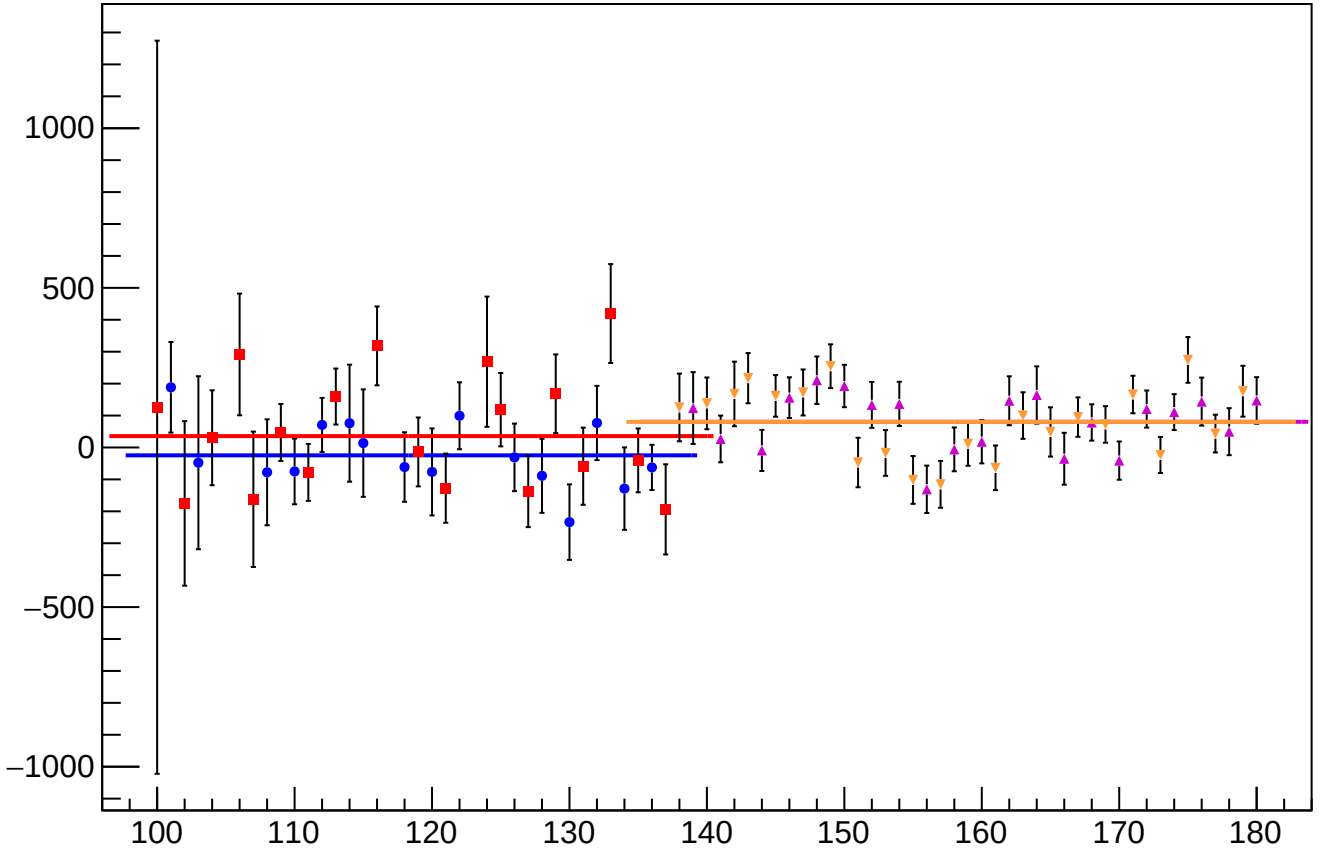
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9960965.5/36

Out: 0.000+/-0.000 χ^2/NDF:11784264.3/40

All: 0.000+/-0.000 χ^2/NDF: 21790620.9/77

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.065+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 80.459+/-15.126 χ^2/NDF:32.0/20

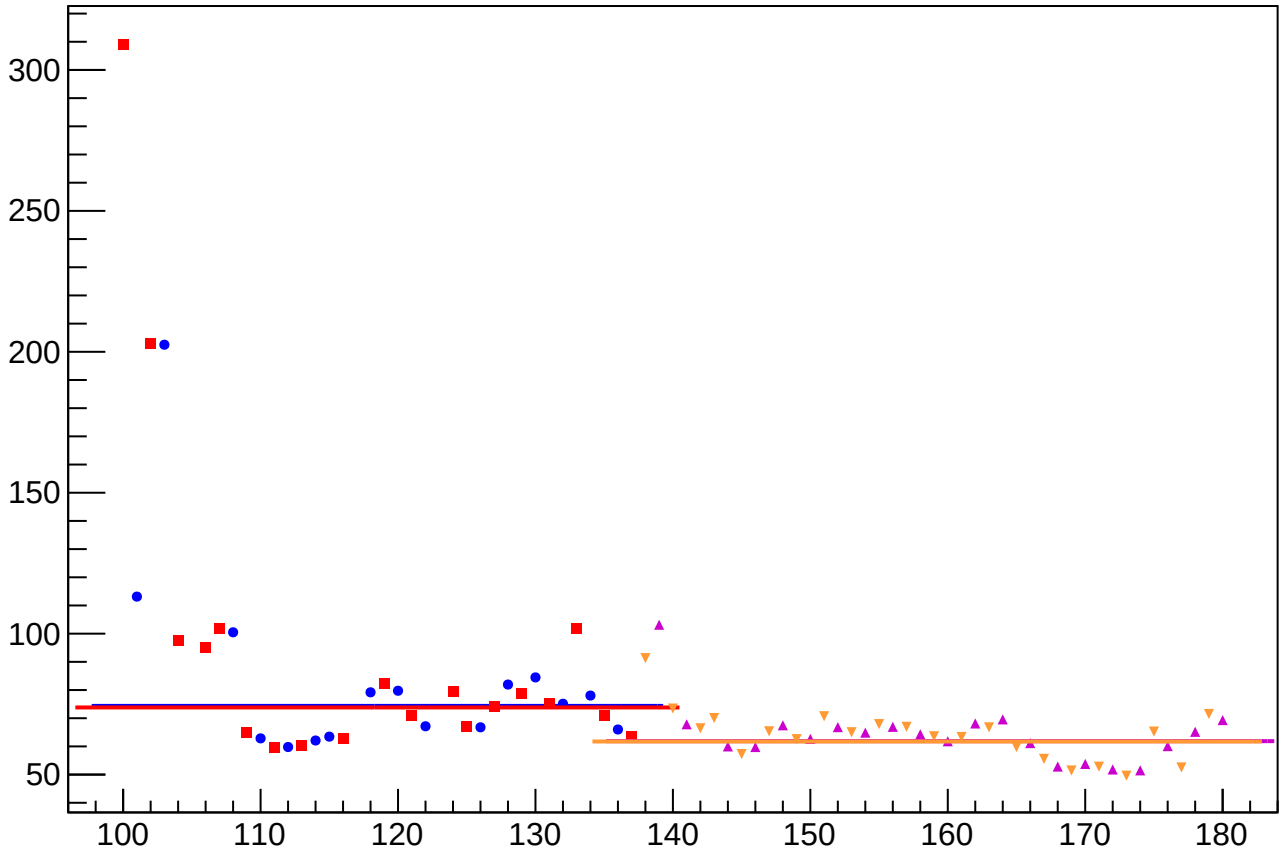
Left: 80.261+/-10.651 χ^2/NDF: 83.9/42

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 57.877+/-13.403 χ^2/NDF:53.4/36

Out: 70.392+/-13.269 χ^2/NDF:83.9/40

All: 64.197+/-9.430 χ^2/NDF: 137.7/77



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

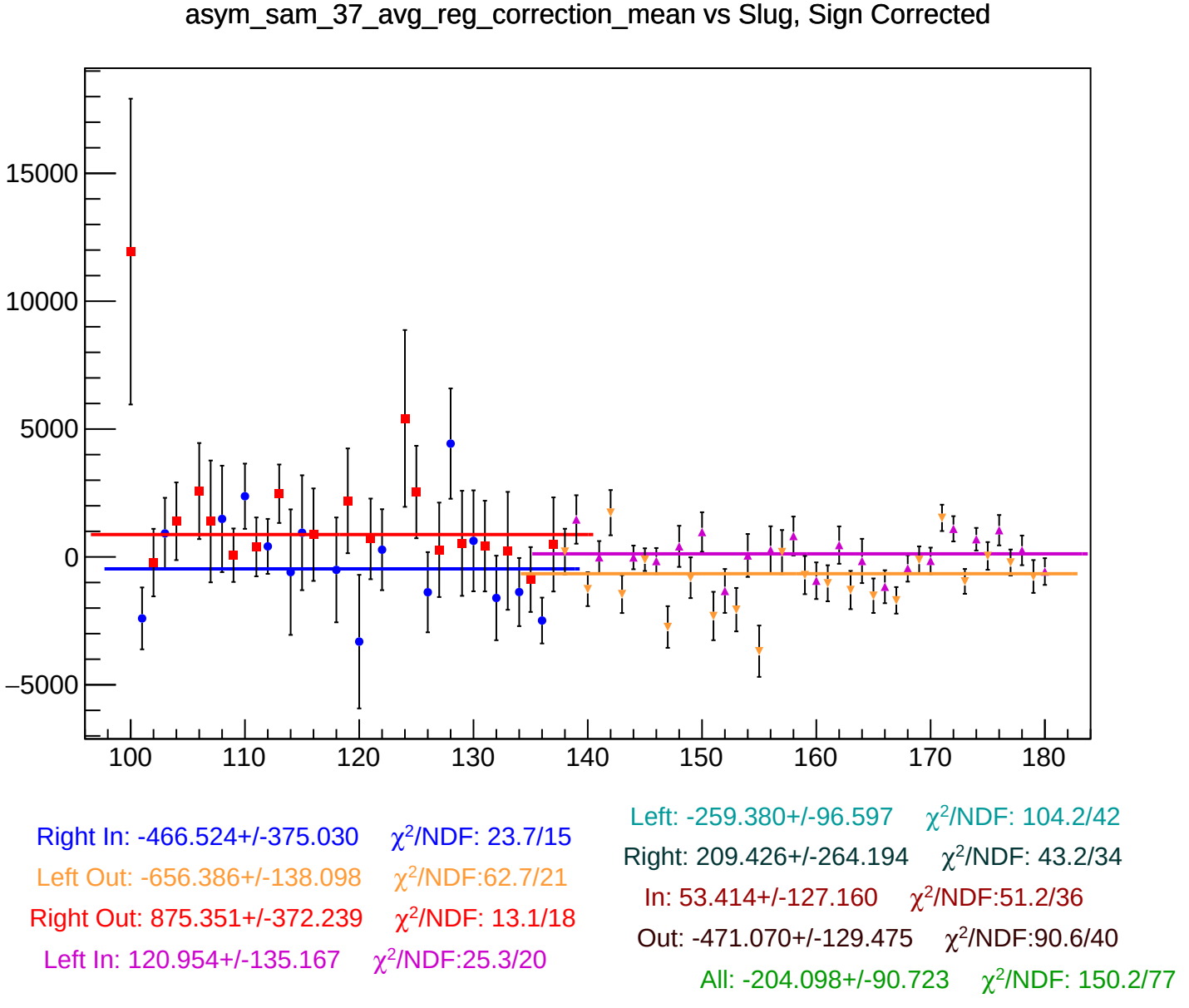
Left: 61.804+/-0.008 χ^2/NDF: 1205465.1/42

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

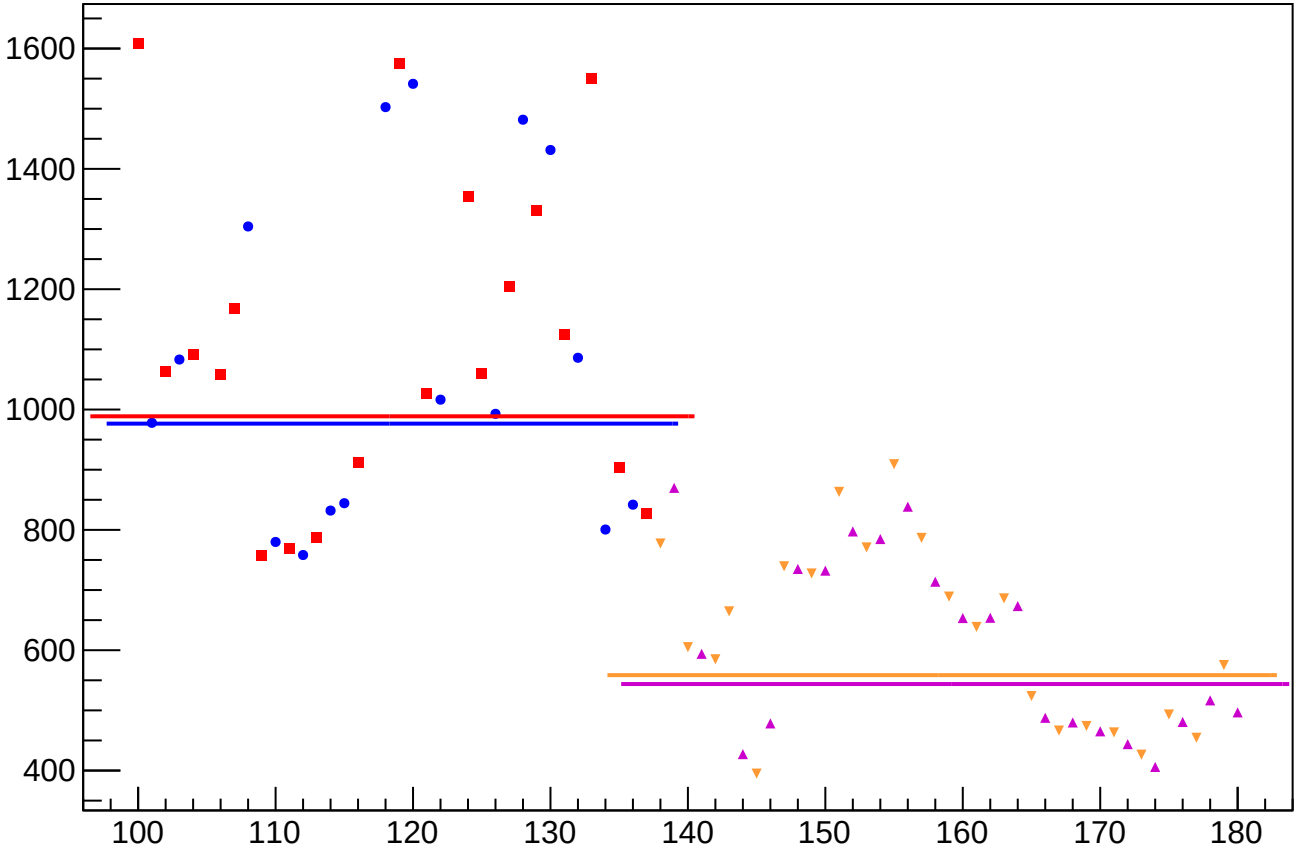
In: 64.551+/-0.009 χ^2/NDF:1714073.2/36

Out: 64.370+/-0.009 χ^2/NDF:1826212.8/40

All: 64.459+/-0.007 χ^2/NDF: 3540469.2/77


asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -466.524+/-375.030 χ²/NDF: 23.7/15
Left Out: -656.386+/-138.098 χ²/NDF:62.7/21
Right Out: 875.351+/-372.239 χ²/NDF: 13.1/18
Left In: 120.954+/-135.167 χ²/NDF:25.3/20
Left: -259.380+/-96.597 χ²/NDF: 104.2/42
Right: 209.426+/-264.194 χ²/NDF: 43.2/34
In: 53.414+/-127.160 χ²/NDF:51.2/36
Out: -471.070+/-129.475 χ²/NDF:90.6/40
All: -204.098+/-90.723 χ²/NDF: 150.2/77

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: 558.586+/-0.098 χ^2/NDF:1944189.1/21

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 543.795+/-0.096 χ^2/NDF:1829651.5/20

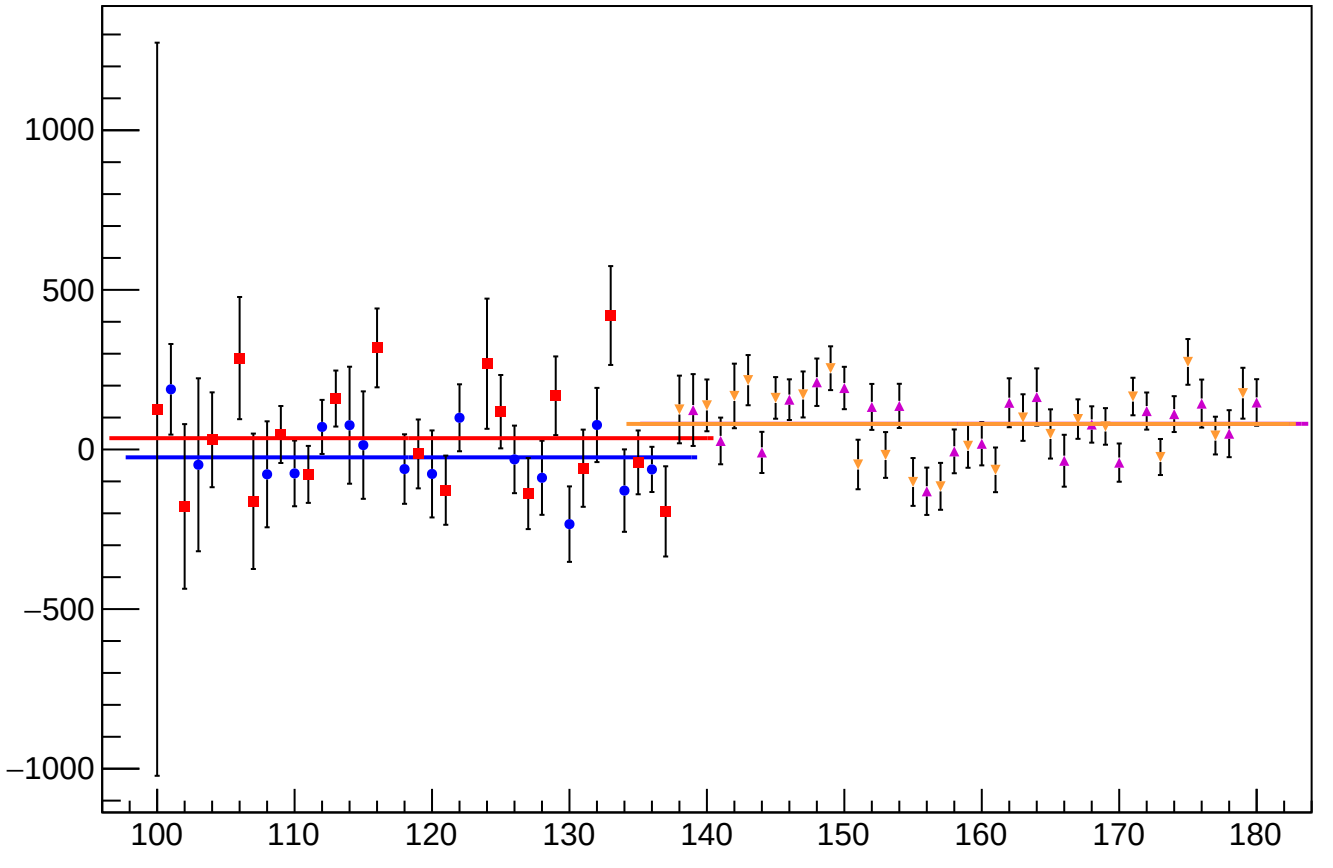
Left: 551.032+/-0.068 χ^2/NDF: 3785558.6/42

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 593.550+/-0.090 χ^2/NDF:4923520.1/36

Out: 610.630+/-0.092 χ^2/NDF:5007788.0/40

All: 601.936+/-0.064 χ^2/NDF: 9949024.1/77



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 80.458+/-15.126 χ^2/NDF:32.0/20

Left: 80.262+/-10.651 χ^2/NDF: 83.9/42

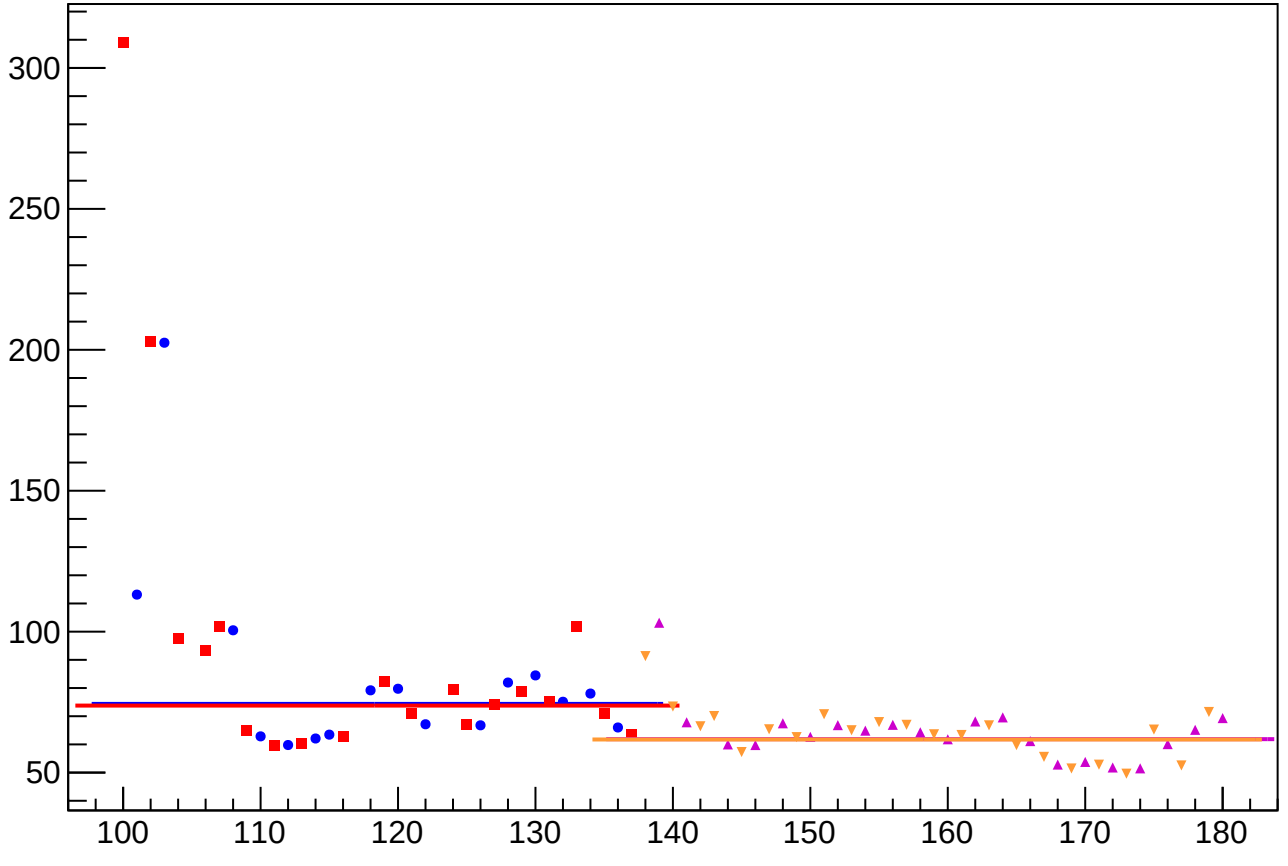
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.874+/-13.403 χ^2/NDF:53.4/36

Out: 70.352+/-13.270 χ^2/NDF:83.8/40

All: 64.175+/-9.430 χ^2/NDF: 137.6/77

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

Left: 61.804+/-0.008 χ^2/NDF: 1205465.1/42

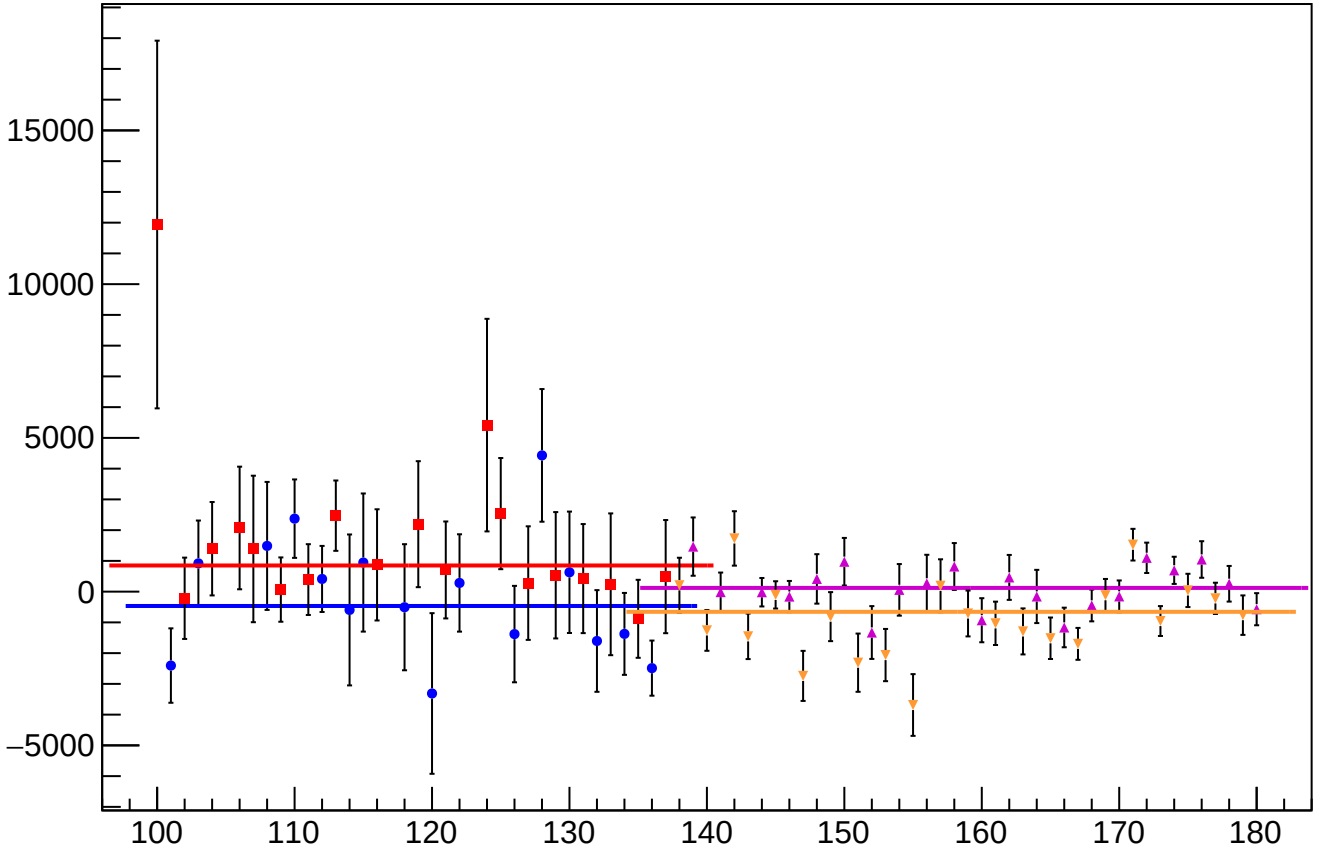
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.551+/-0.009 χ^2/NDF:1714075.1/36

Out: 64.361+/-0.009 χ^2/NDF:1820433.5/40

All: 64.455+/-0.007 χ^2/NDF: 3534711.5/77

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: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 120.952+/-135.167 χ^2/NDF:25.3/20

Left: -259.379+/-96.597 χ^2/NDF: 104.2/42

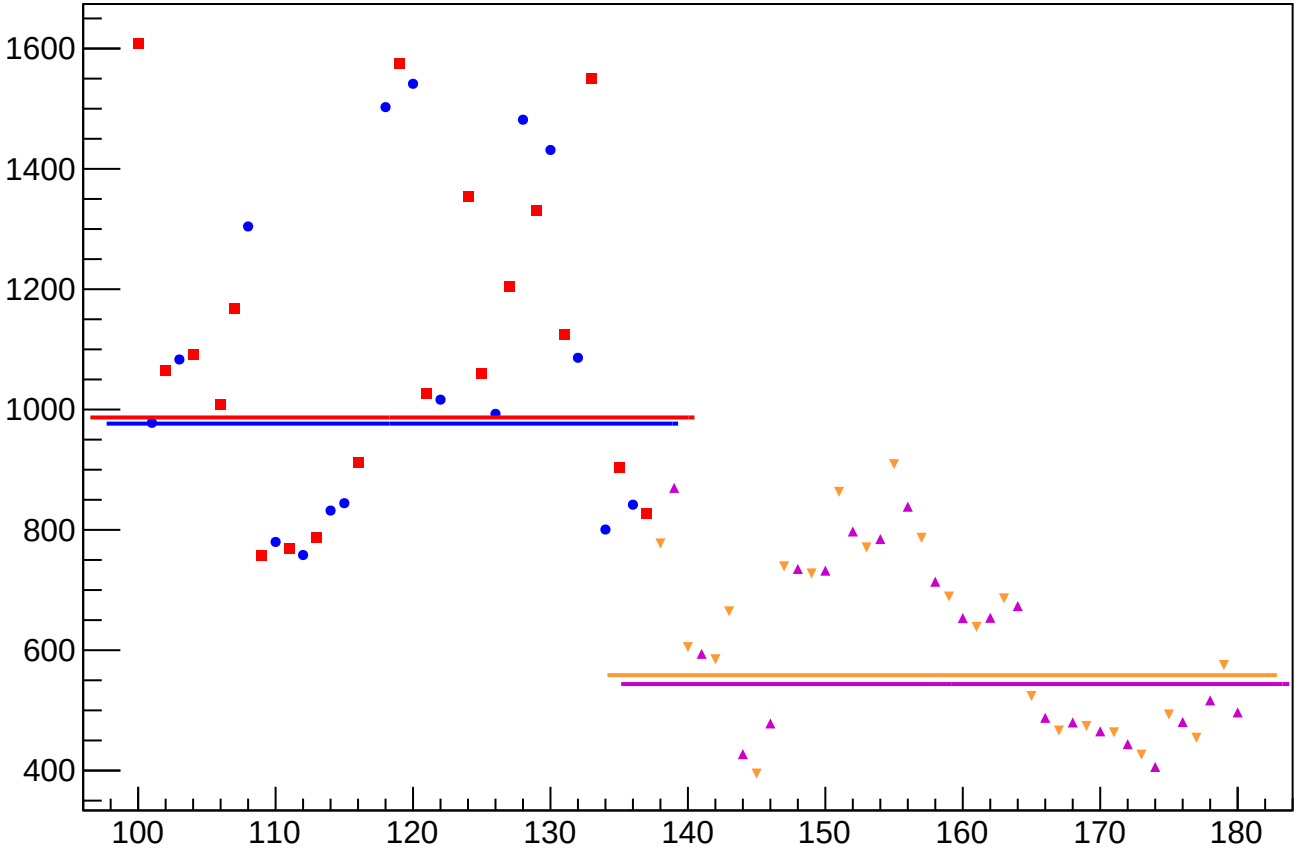
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 53.415+/-127.160 χ^2/NDF:51.2/36

Out: -474.775+/-129.510 χ^2/NDF:89.6/40

All: -205.844+/-90.735 χ^2/NDF: 149.3/77

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

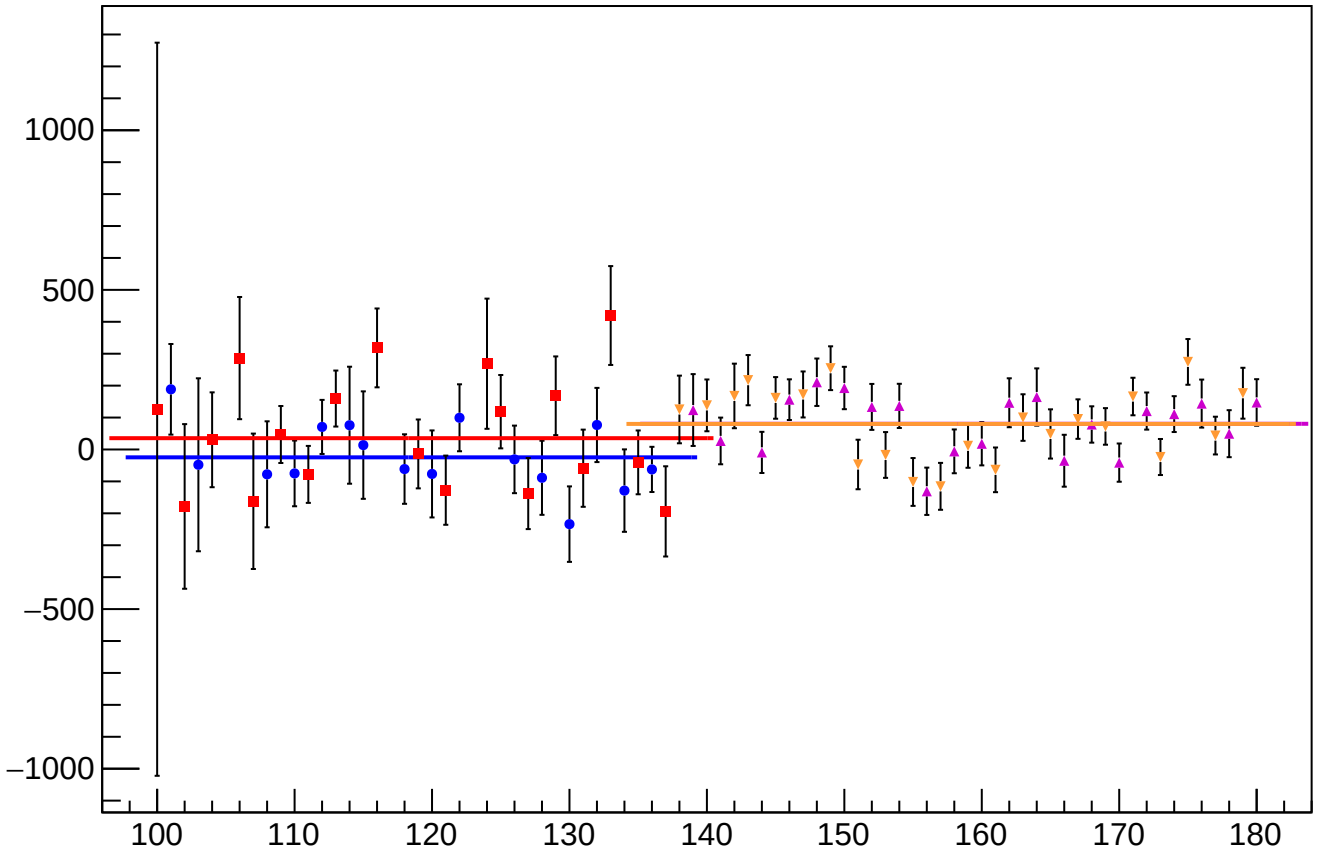
Left: 551.031+/-0.068 χ^2/NDF: 3785559.9/42

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 593.551+/-0.090 χ^2/NDF:4923577.4/36

Out: 610.187+/-0.092 χ^2/NDF:4974928.8/40

All: 601.716+/-0.064 χ^2/NDF: 9915309.5/77



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 80.458+/-15.126 χ^2/NDF:32.0/20

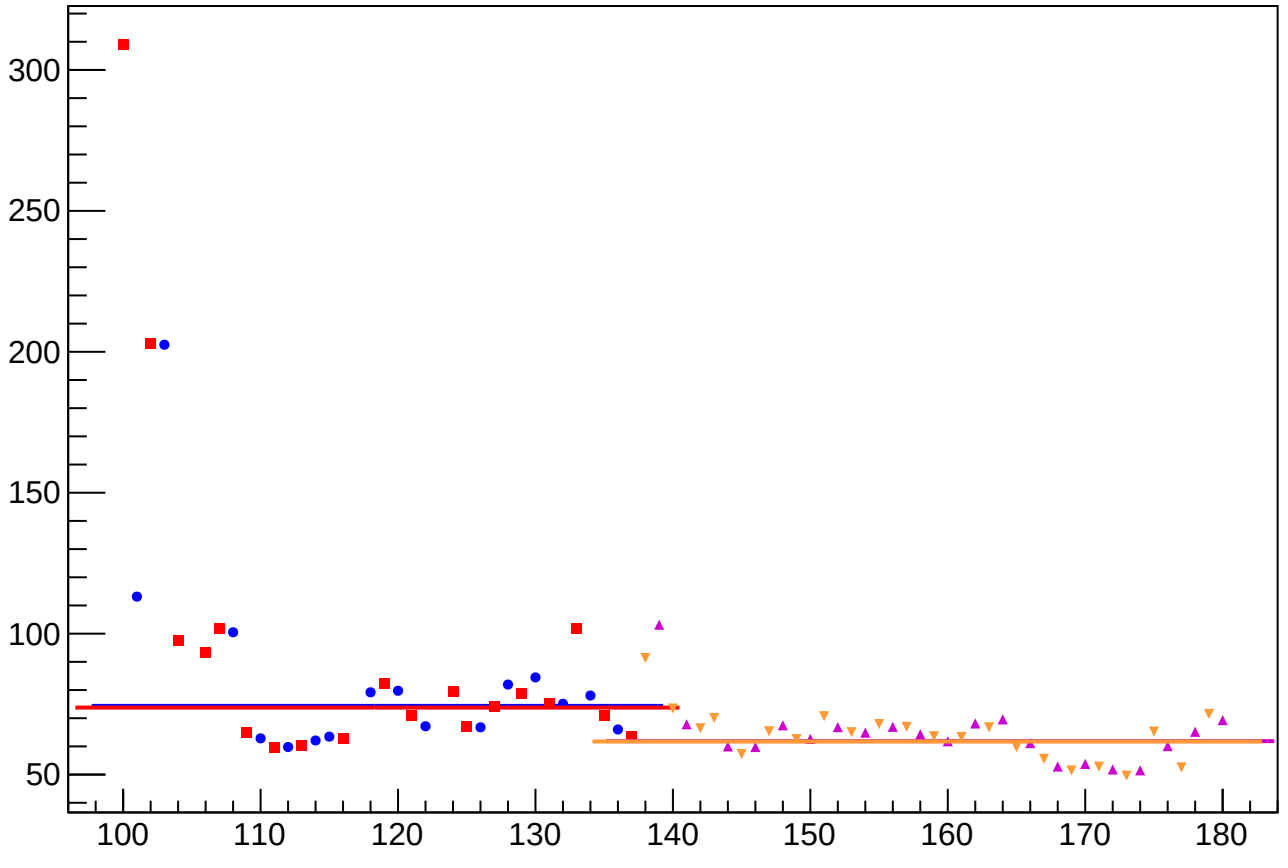
Left: 80.262+/-10.651 χ^2/NDF: 83.9/42

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.874+/-13.403 χ^2/NDF:53.4/36

Out: 70.352+/-13.270 χ^2/NDF:83.8/40

All: 64.175+/-9.430 χ^2/NDF: 137.6/77



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.863+/-0.011 χ^2/NDF:592725.9/20

Left: 61.804+/-0.008 χ^2/NDF: 1205465.1/42

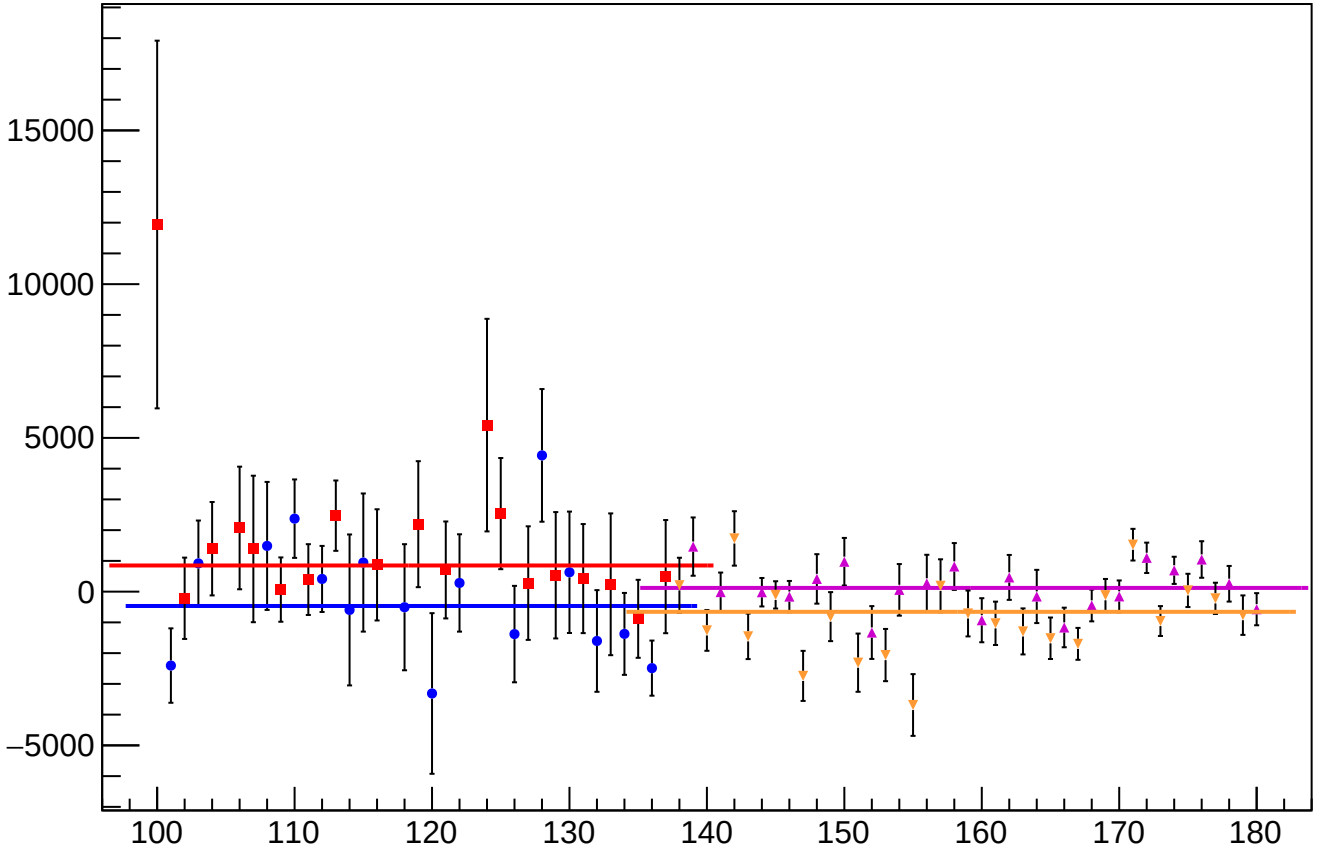
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.551+/-0.009 χ^2/NDF:1714075.1/36

Out: 64.361+/-0.009 χ^2/NDF:1820433.5/40

All: 64.455+/-0.007 χ^2/NDF: 3534711.5/77

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: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 120.952+/-135.167 χ^2/NDF:25.3/20

Left: -259.379+/-96.597 χ^2/NDF: 104.2/42

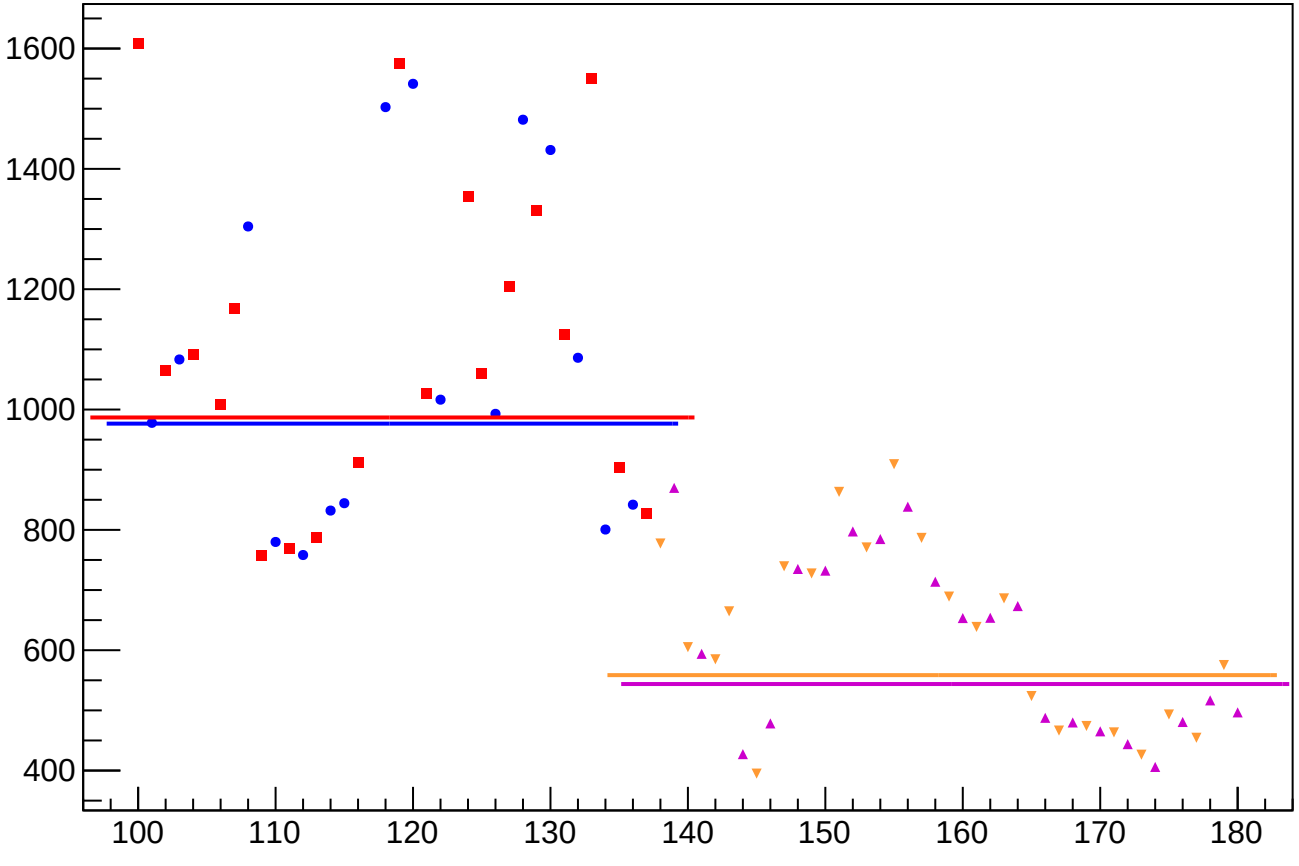
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 53.415+/-127.160 χ^2/NDF:51.2/36

Out: -474.775+/-129.510 χ^2/NDF:89.6/40

All: -205.844+/-90.735 χ^2/NDF: 149.3/77

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: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 543.795+/-0.096 χ^2/NDF:1829651.7/20

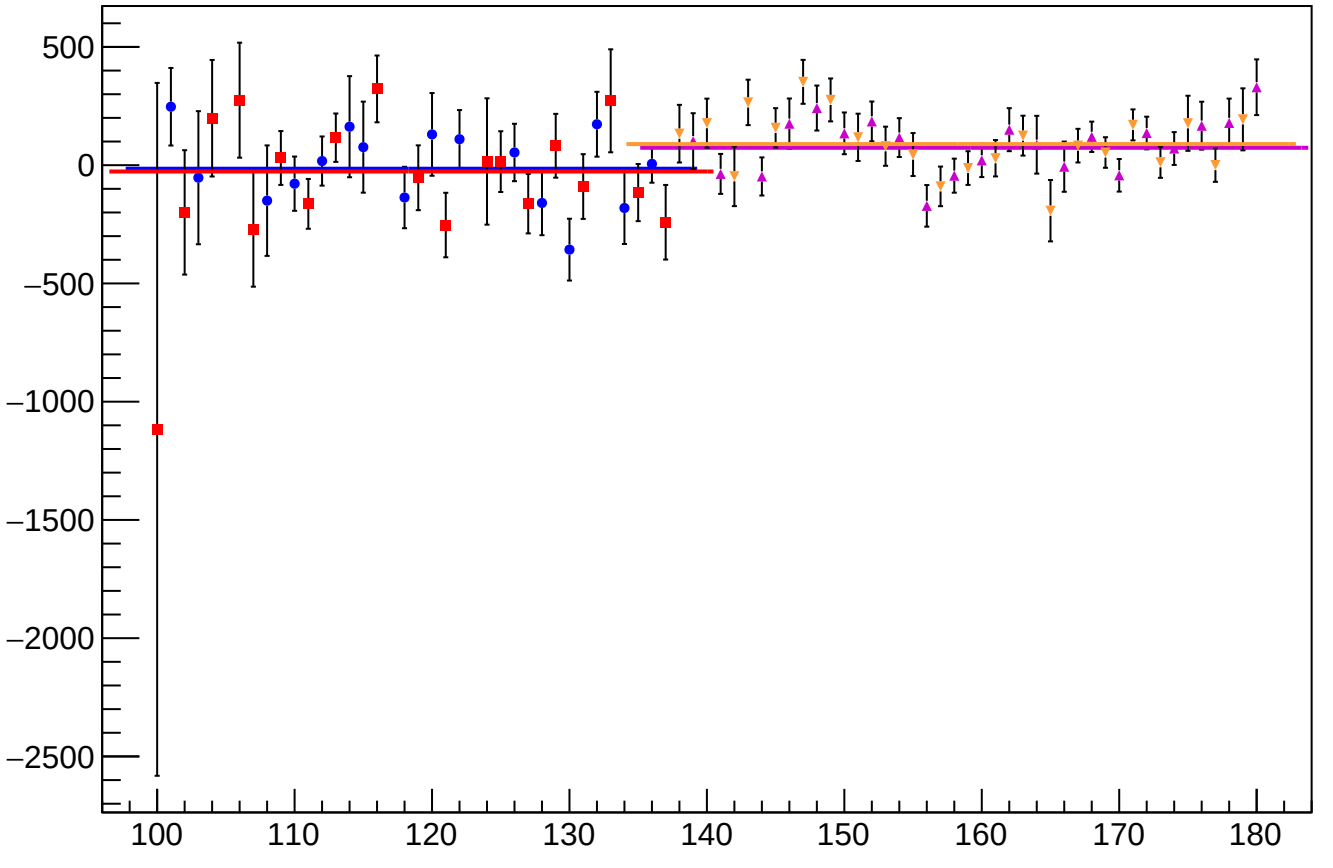
Left: 551.031+/-0.068 χ^2/NDF: 3785559.9/42

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 593.551+/-0.090 χ^2/NDF:4923577.4/36

Out: 610.187+/-0.092 χ^2/NDF:4974928.8/40

All: 601.716+/-0.064 χ^2/NDF: 9915309.5/77



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 73.622+/-18.515 χ^2/NDF:33.7/20

Left: 81.558+/-12.977 χ^2/NDF: 70.8/42

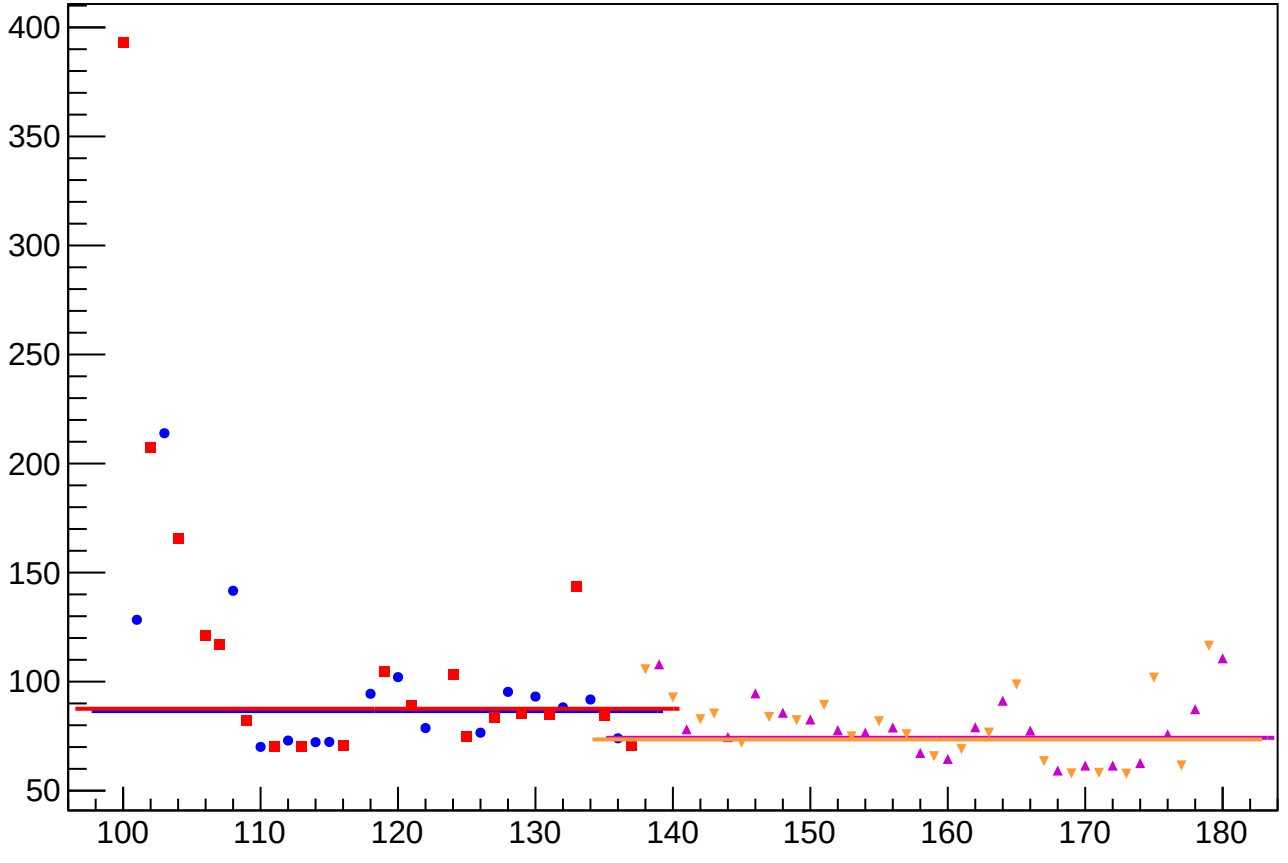
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 53.143+/-16.234 χ^2/NDF:57.3/36

Out: 63.510+/-16.050 χ^2/NDF:69.3/40

All: 58.385+/-11.414 χ^2/NDF: 126.8/77

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238307.4/21

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 74.247+/-0.013 χ^2/NDF:927863.5/20

Left: 73.862+/-0.009 χ^2/NDF: 2167878.6/42

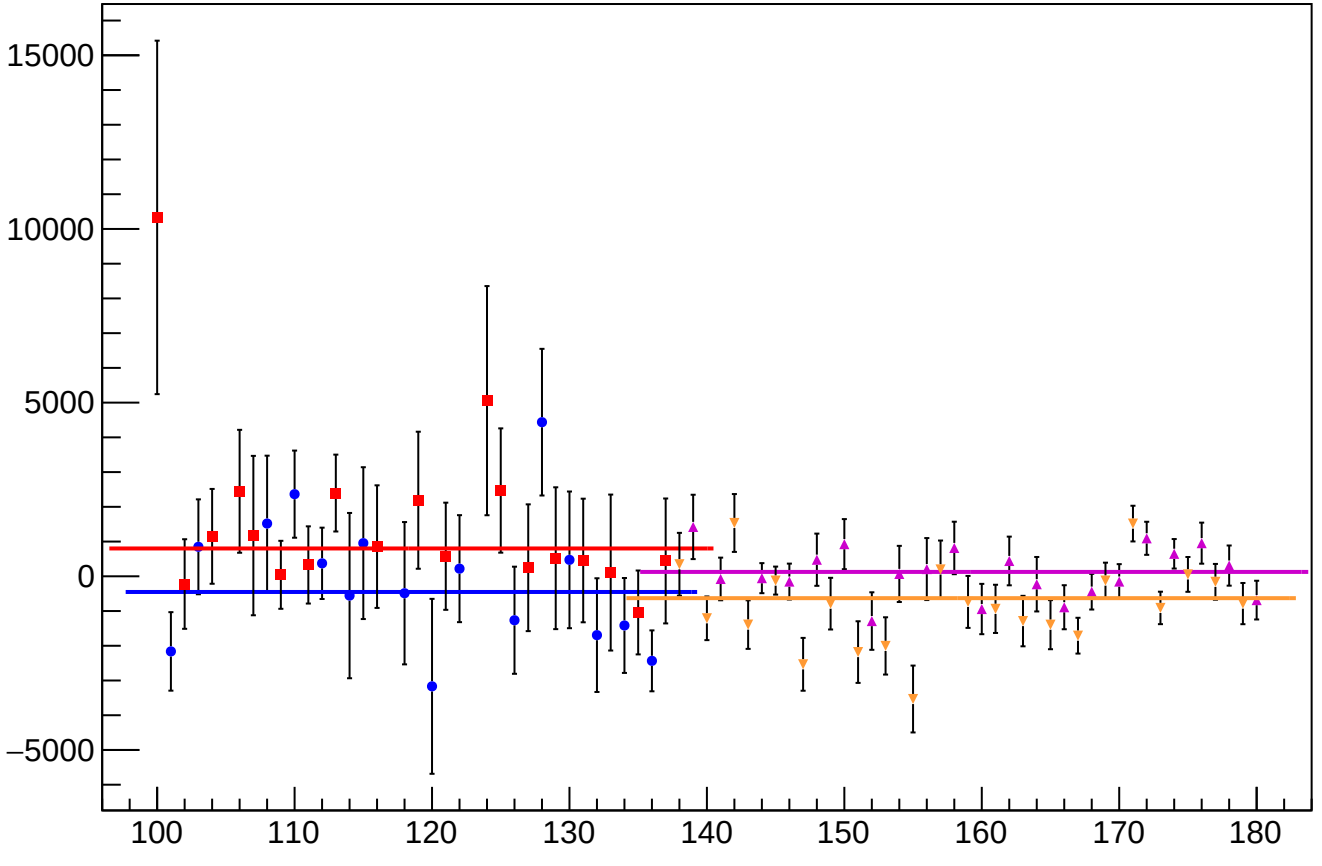
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 77.078+/-0.011 χ^2/NDF:1986275.5/36

Out: 76.610+/-0.011 χ^2/NDF:2633299.5/40

All: 76.841+/-0.008 χ^2/NDF: 4620415.0/77

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: -629.397+/-133.119 χ^2/NDF:61.9/21

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 126.067+/-131.939 χ^2/NDF:24.3/20

Left: -248.302+/-93.710 χ^2/NDF: 102.4/42

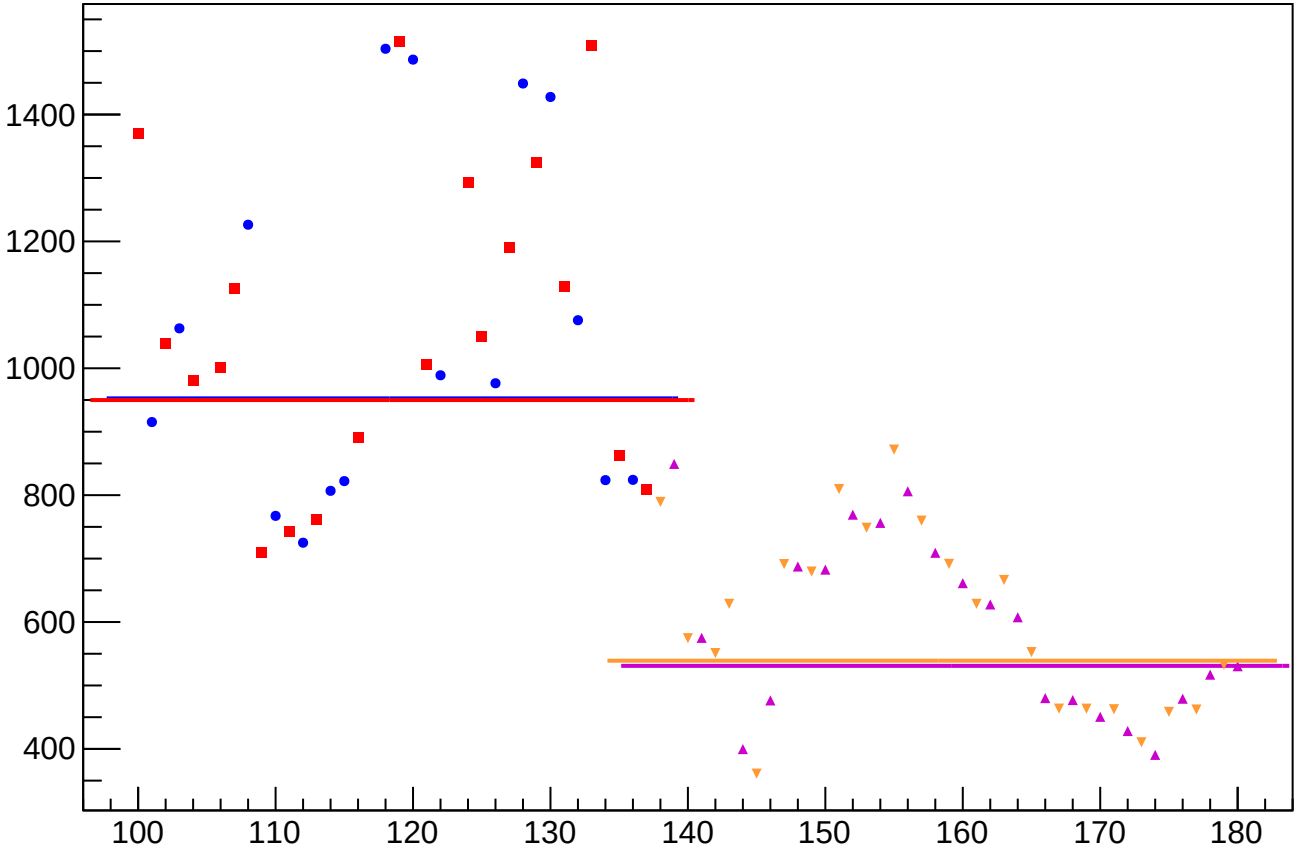
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 59.529+/-124.105 χ^2/NDF:50.2/36

Out: -455.506+/-124.767 χ^2/NDF:89.6/40

All: -196.619+/-87.989 χ^2/NDF: 148.3/77

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: 539.053+/-0.094 χ^2/NDF:1986719.0/21

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 530.919+/-0.093 χ^2/NDF:1786843.4/20

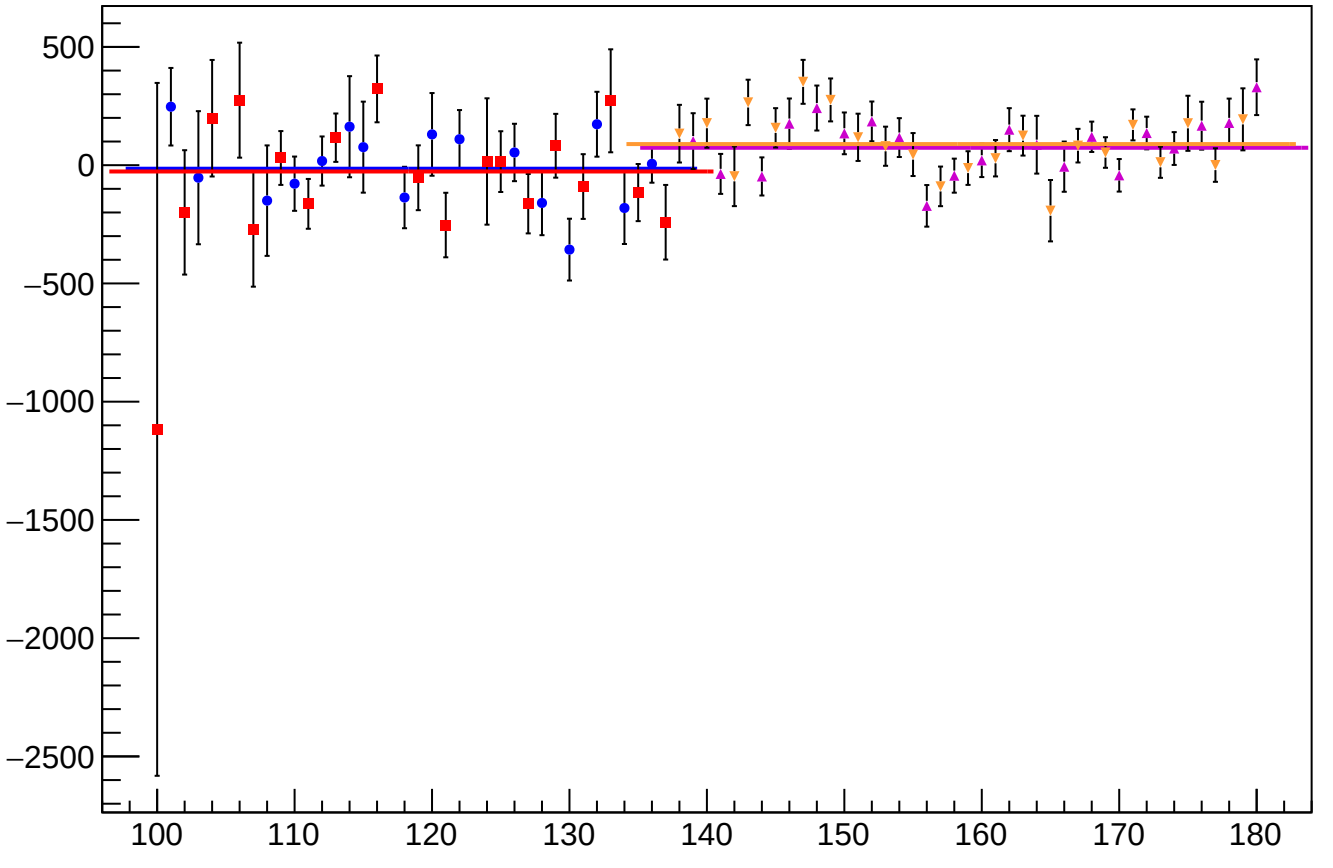
Left: 534.950+/-0.066 χ^2/NDF: 3777329.5/42

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 579.503+/-0.088 χ^2/NDF:4886631.9/36

Out: 588.991+/-0.088 χ^2/NDF:5053909.6/40

All: 584.222+/-0.062 χ^2/NDF: 9946355.7/77



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 73.622+/-18.515 χ^2/NDF:33.7/20

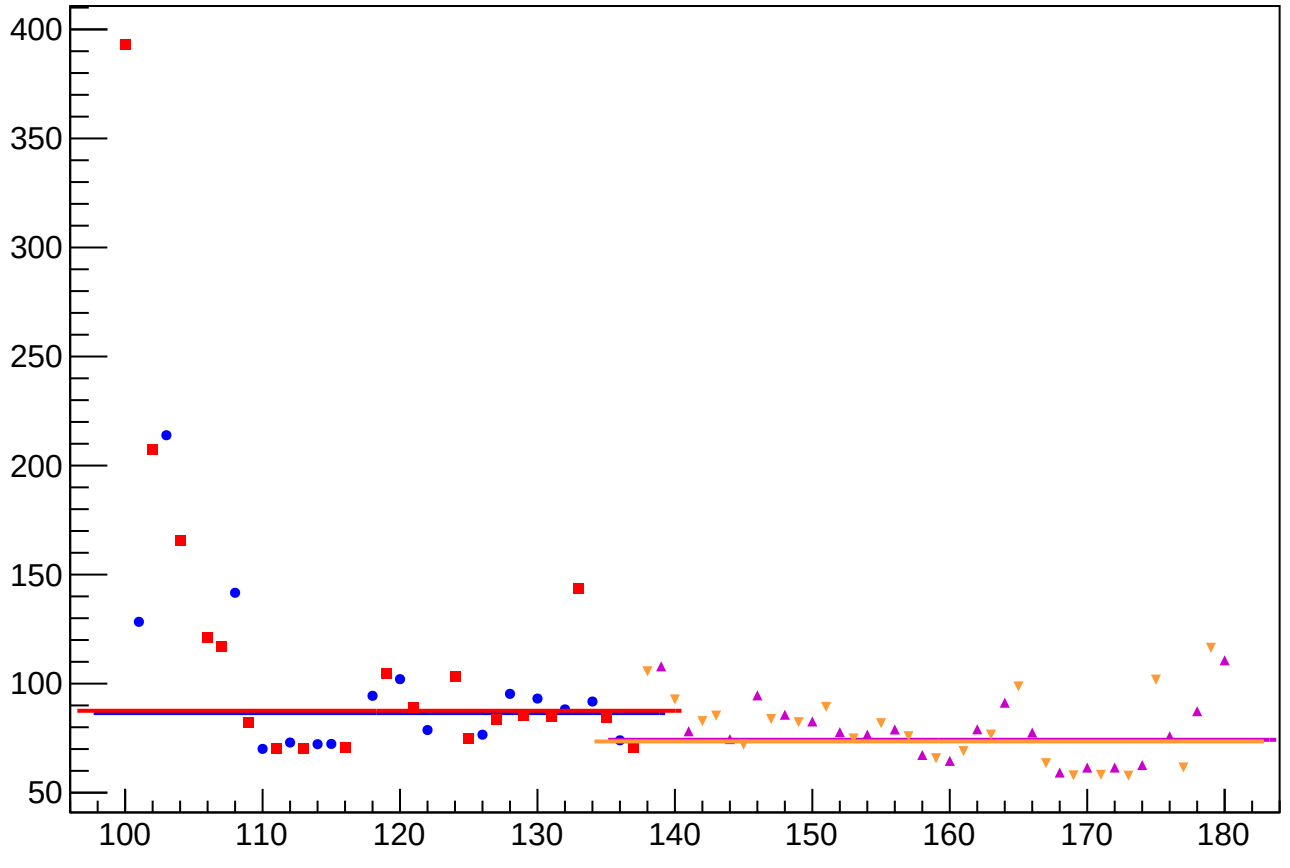
Left: 81.558+/-12.977 χ^2/NDF: 70.8/42

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 53.142+/-16.234 χ^2/NDF:57.3/36

Out: 63.509+/-16.050 χ^2/NDF:69.3/40

All: 58.385+/-11.414 χ^2/NDF: 126.8/77



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238312.8/21

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 74.248+/-0.013 χ^2/NDF:927867.1/20

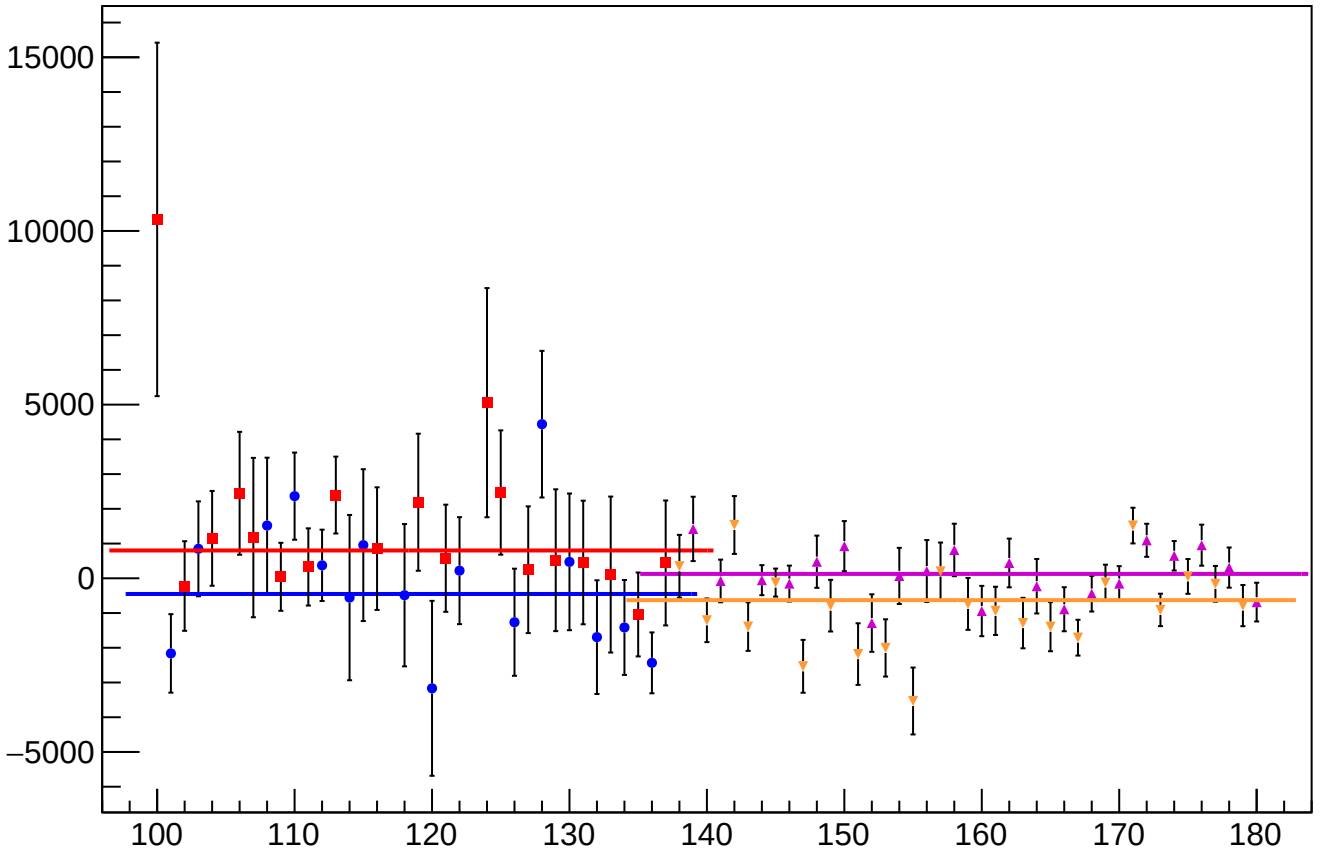
Left: 73.862+/-0.009 χ^2/NDF: 2167887.4/42

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 77.078+/-0.011 χ^2/NDF:1986274.0/36

Out: 76.610+/-0.011 χ^2/NDF:2633307.7/40

All: 76.842+/-0.008 χ^2/NDF: 4620421.6/77



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -629.398+/-133.119 χ^2/NDF:61.9/21

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 126.066+/-131.939 χ^2/NDF:24.3/20

Left: -248.303+/-93.710 χ^2/NDF: 102.4/42

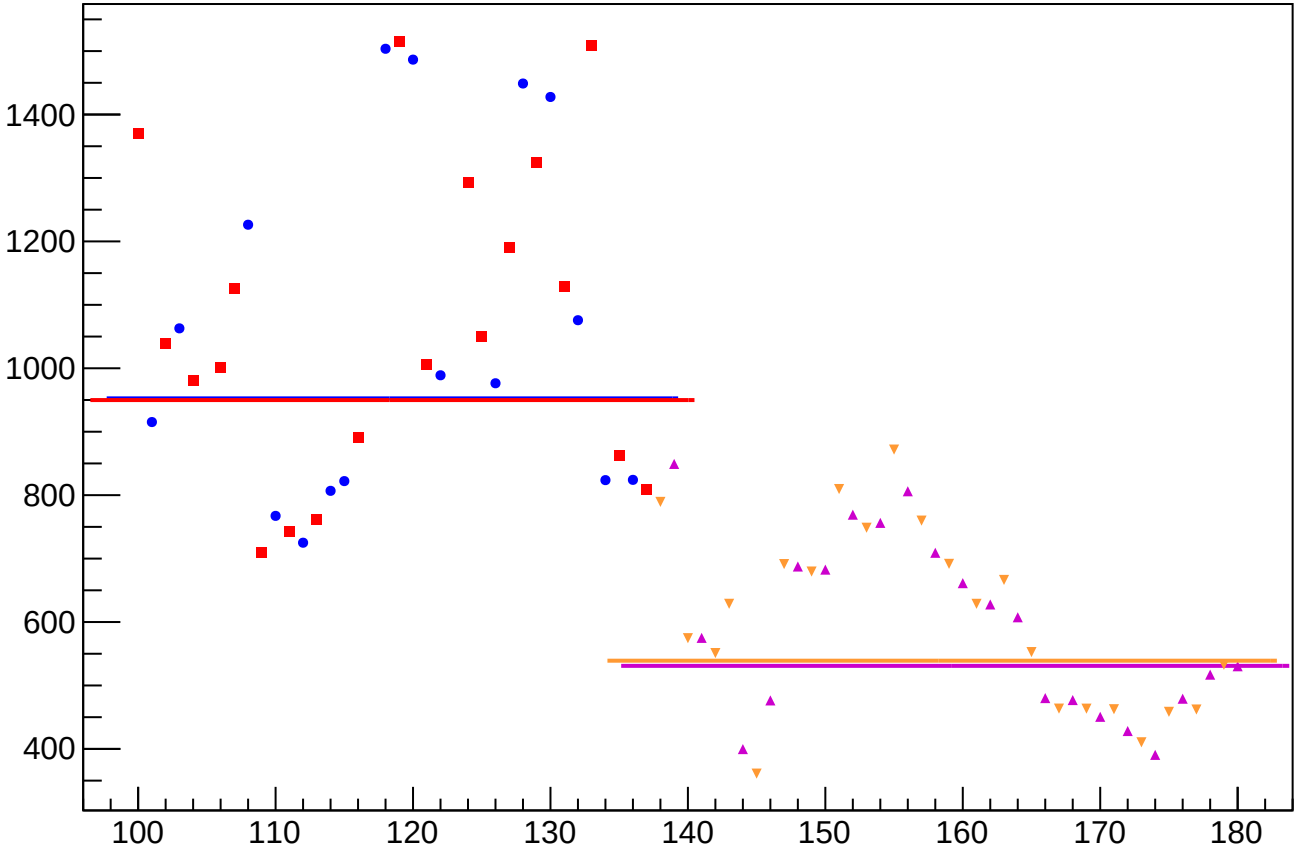
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 59.529+/-124.105 χ^2/NDF:50.2/36

Out: -455.506+/-124.767 χ^2/NDF:89.6/40

All: -196.620+/-87.989 χ^2/NDF: 148.3/77

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: 539.053+/-0.094 χ^2/NDF:1986714.4/21

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 530.919+/-0.093 χ^2/NDF:1786837.6/20

Left: 534.950+/-0.066 χ^2/NDF: 3777319.0/42

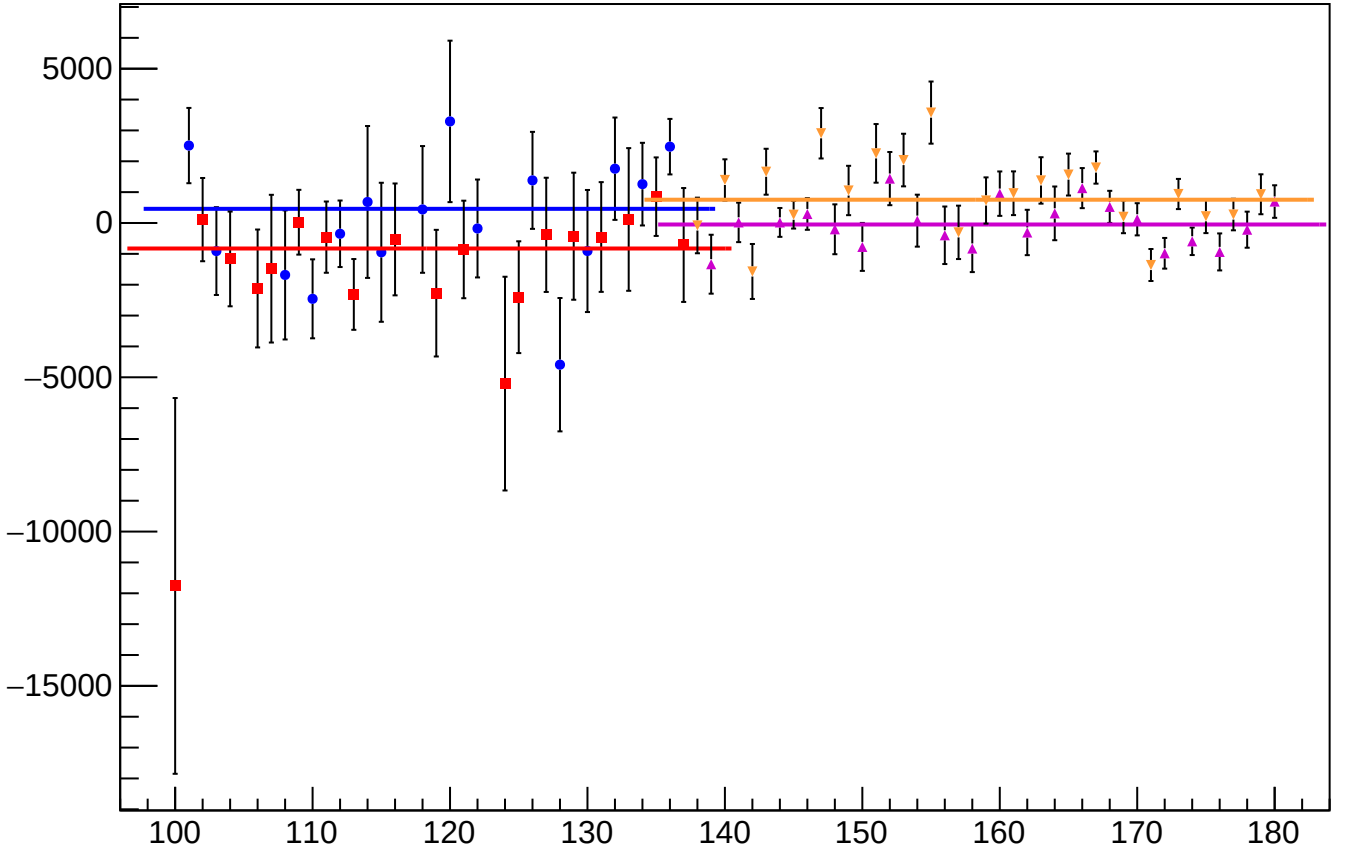
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 579.502+/-0.088 χ^2/NDF:4886618.8/36

Out: 588.991+/-0.088 χ^2/NDF:5053895.8/40

All: 584.221+/-0.062 χ^2/NDF: 9946328.8/77

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 754.350+/-139.021 χ^2/NDF:58.5/21

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -48.549+/-136.136 χ^2/NDF:23.5/20

Left: 344.482+/-97.266 χ^2/NDF: 99.0/42

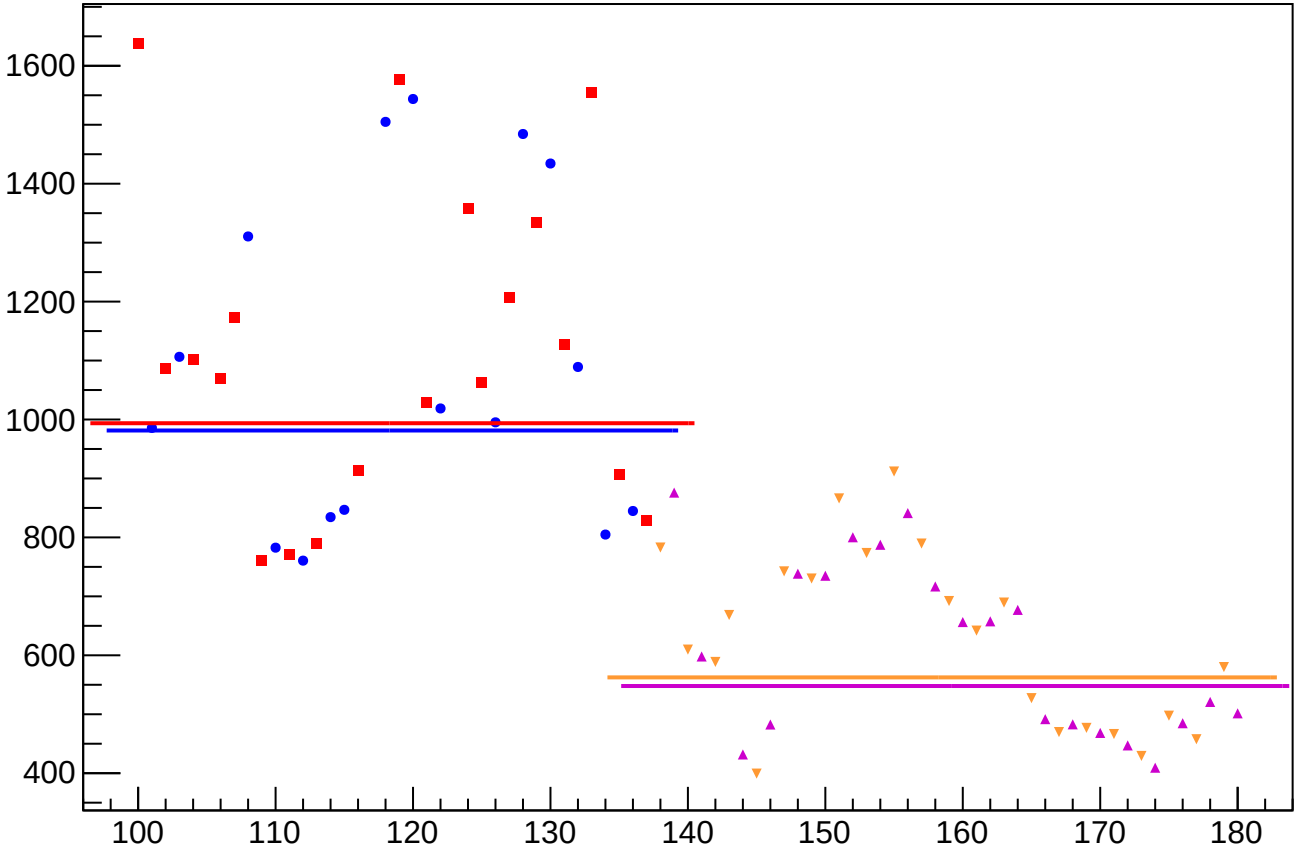
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 10.049+/-128.038 χ^2/NDF:49.7/36

Out: 562.654+/-130.320 χ^2/NDF:85.8/40

All: 281.472+/-91.333 χ^2/NDF: 144.6/77

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 562.530+/-0.098 χ^2/NDF:1919224.1/21

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 547.906+/-0.096 χ^2/NDF:1804943.8/20

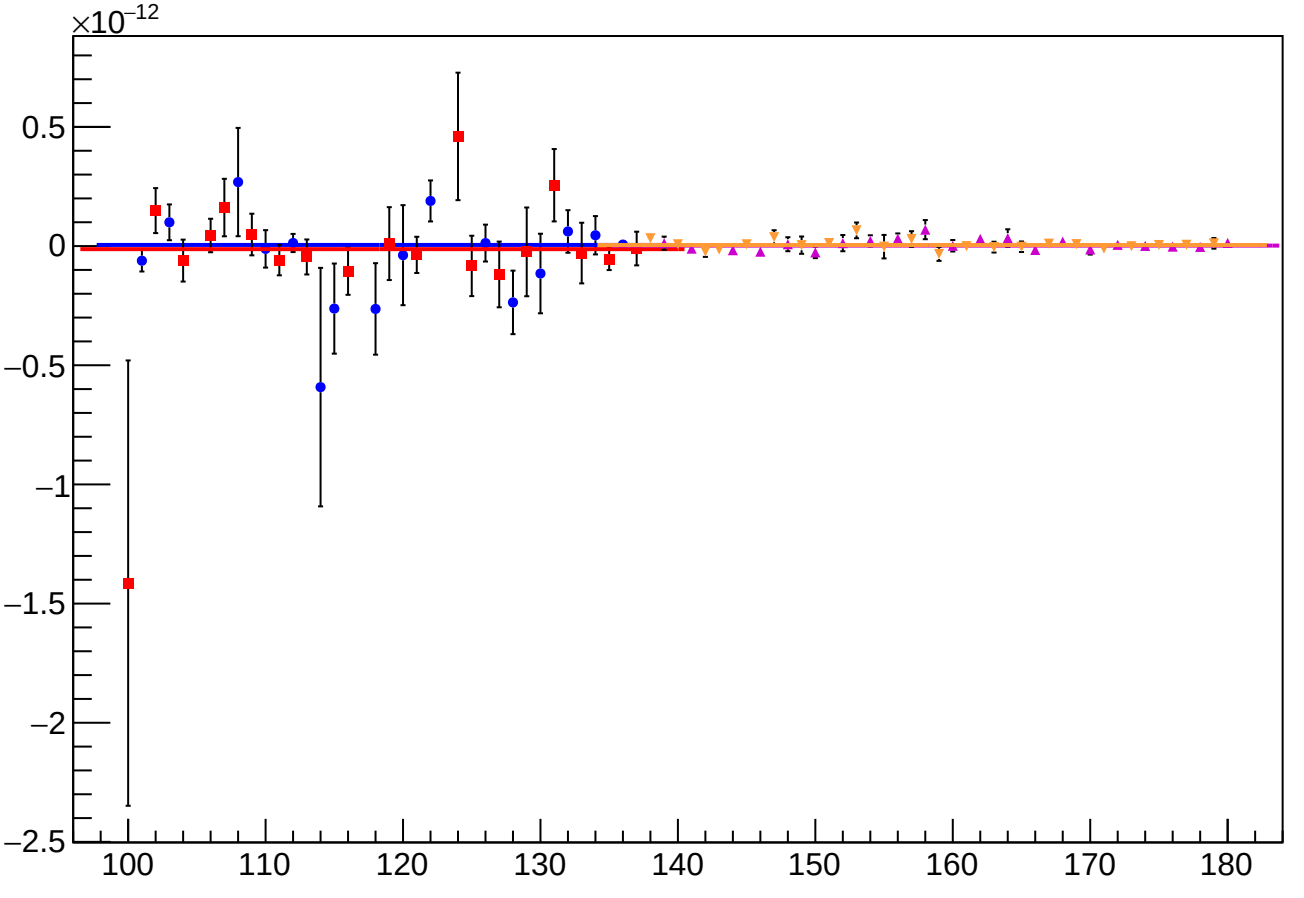
Left: 555.064+/-0.069 χ^2/NDF: 3735464.8/42

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 597.935+/-0.091 χ^2/NDF:4882698.8/36

Out: 614.811+/-0.092 χ^2/NDF:4971665.9/40

All: 606.224+/-0.065 χ^2/NDF: 9871430.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

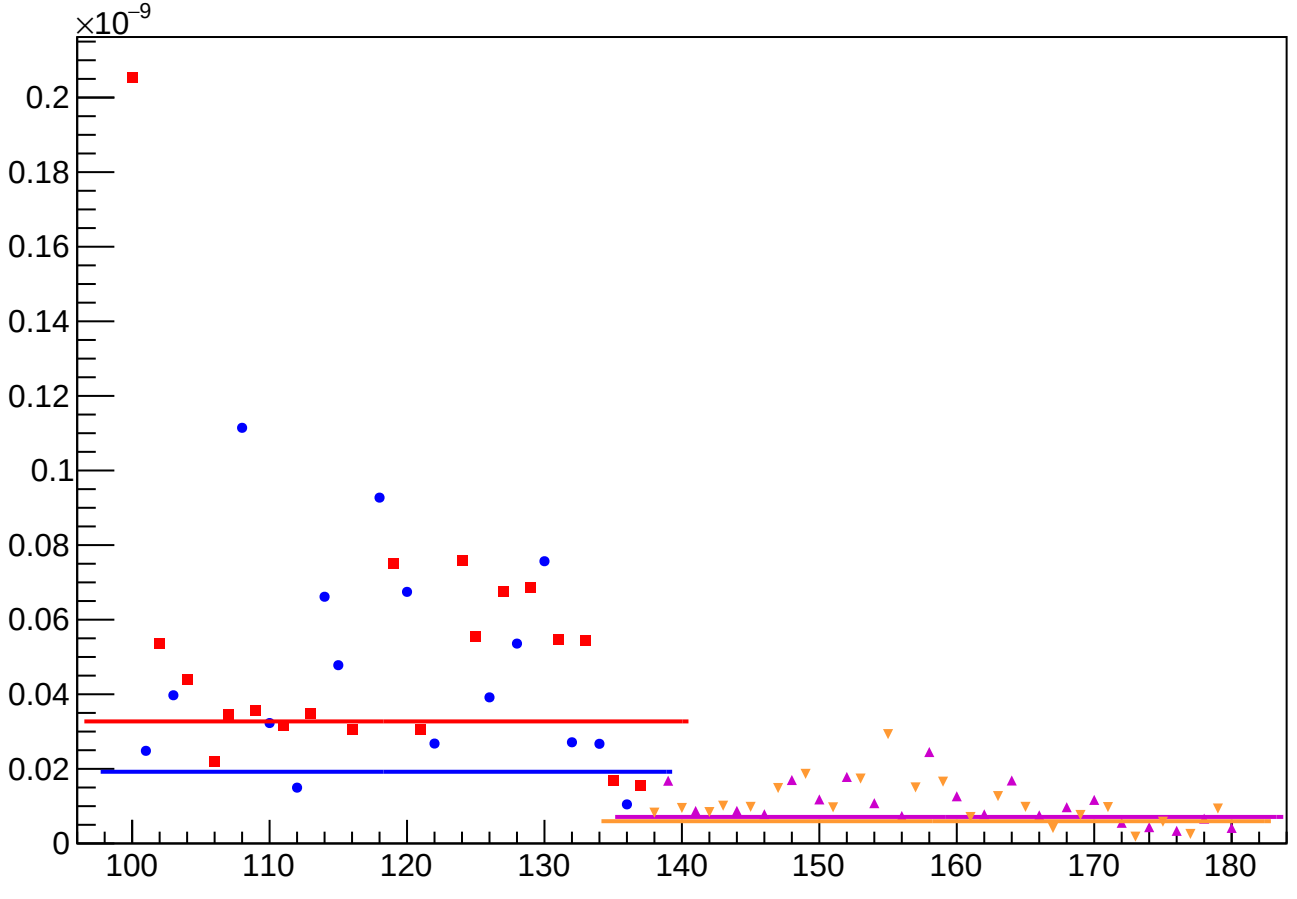
Left: 0.000+/-0.000 χ^2/NDF: 34.5/42

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:39.5/36

Out: 0.000+/-0.000 χ^2/NDF:33.5/40

All: 0.000+/-0.000 χ^2/NDF: 73.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3559207.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2292728.8/20

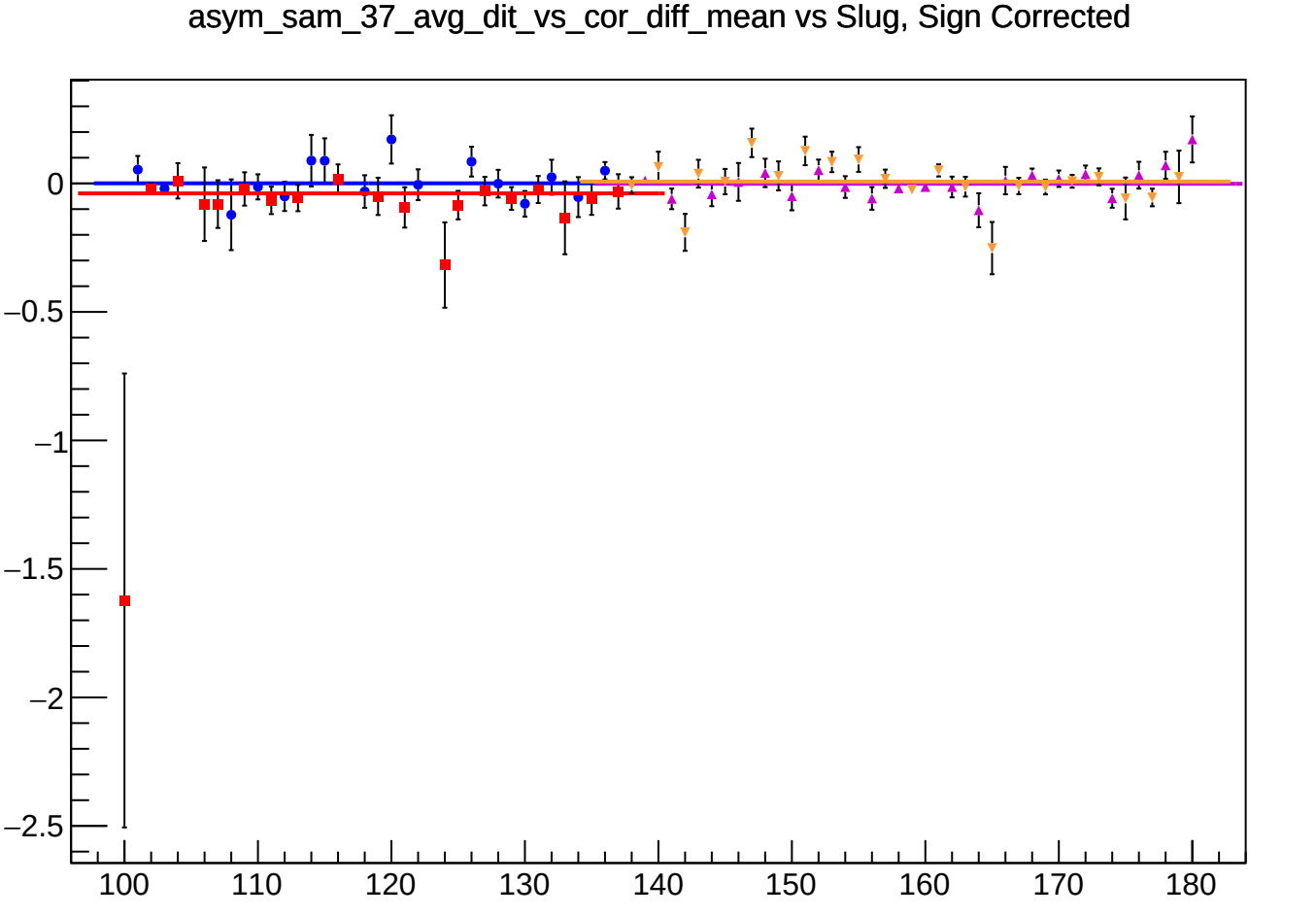
Left: 0.000+/-0.000 χ^2/NDF: 5970071.8/42

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:5597391.2/36

Out: 0.000+/-0.000 χ^2/NDF:7994489.4/40

All: 0.000+/-0.000 χ^2/NDF: 13733655.0/77



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.007 χ^2/NDF:24.1/20

Left: 0.002+/-0.005 χ^2/NDF: 71.7/42

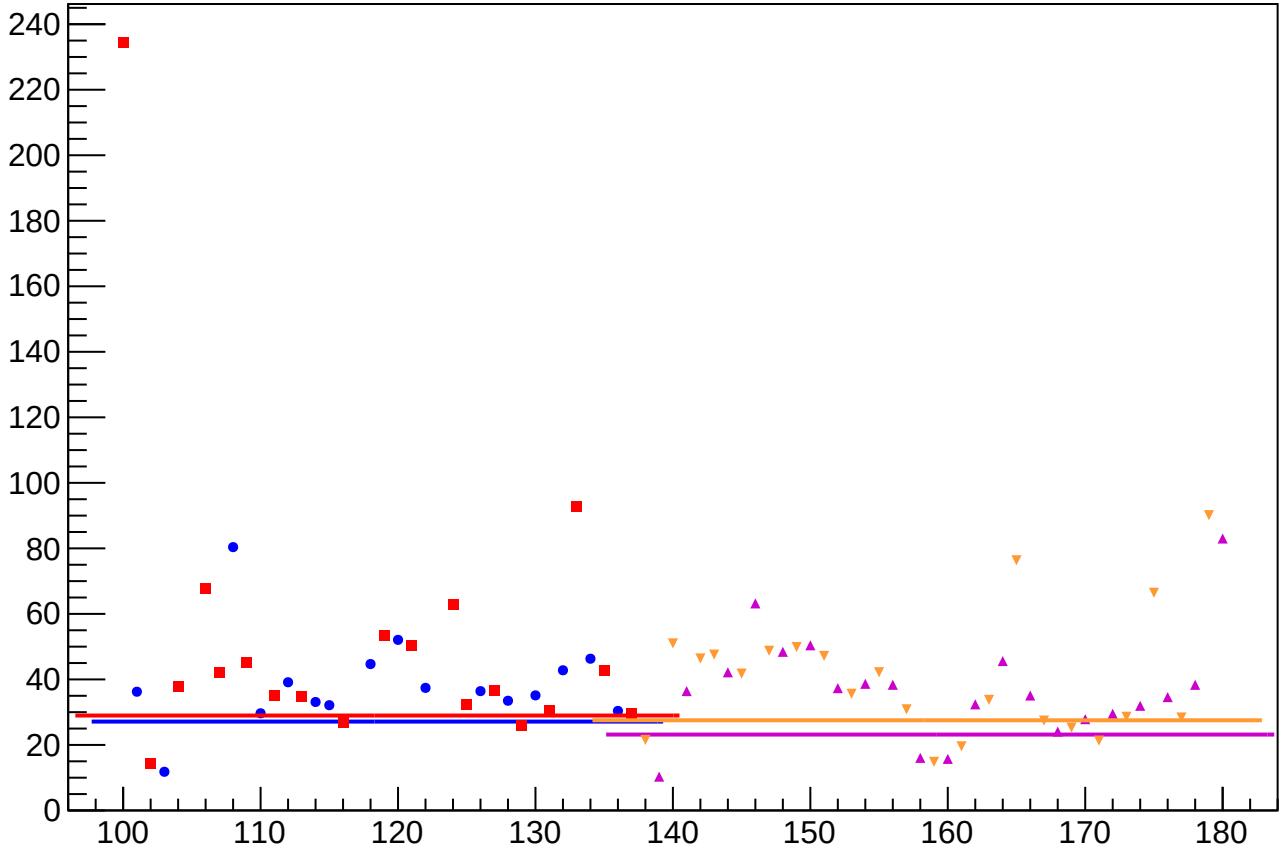
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:40.6/36

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 108.5/77

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: 27.525+/-0.005 χ^2/NDF:5385288.9/21

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

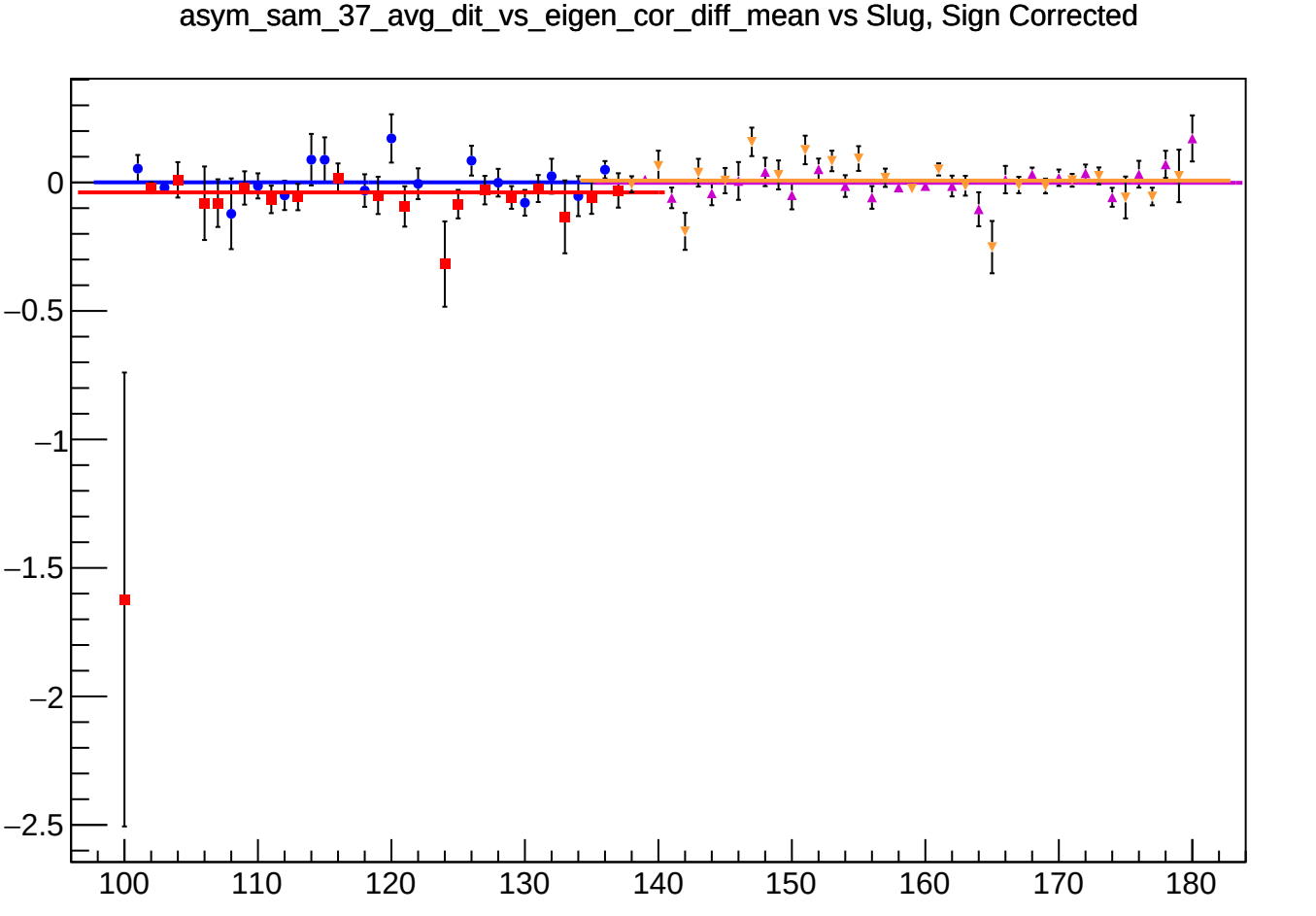
Left: 25.102+/-0.004 χ^2/NDF: 12857293.4/42

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.131+/-0.004 χ^2/NDF:9689286.7/36

Out: 27.914+/-0.005 χ^2/NDF:7860942.6/40

All: 25.842+/-0.003 χ^2/NDF: 17917208.4/77



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.007 χ^2/NDF:24.1/20

Left: 0.002+/-0.005 χ^2/NDF: 71.7/42

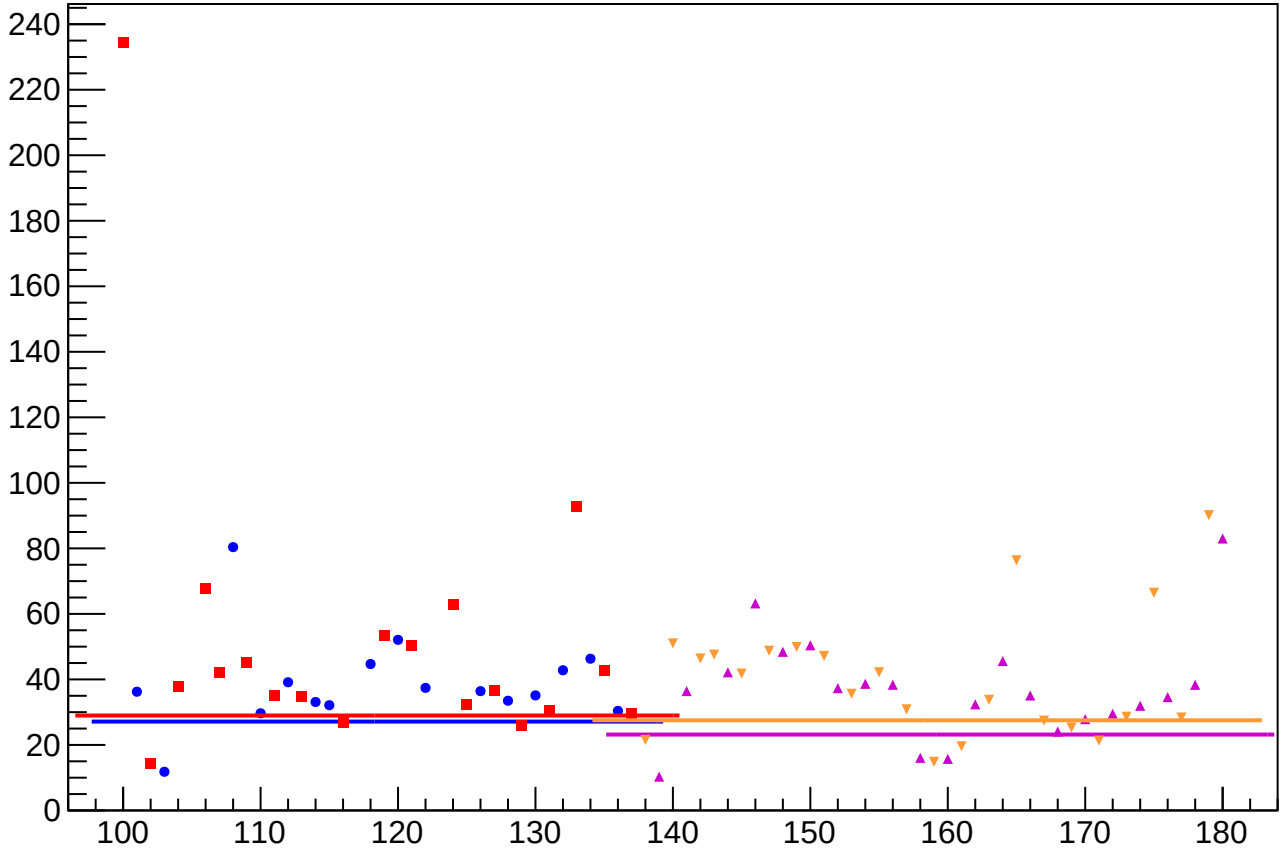
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:40.6/36

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 108.5/77

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: 27.525+/-0.005 χ^2/NDF:5385288.9/21

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 23.165+/-0.005 χ^2/NDF:7109914.0/20

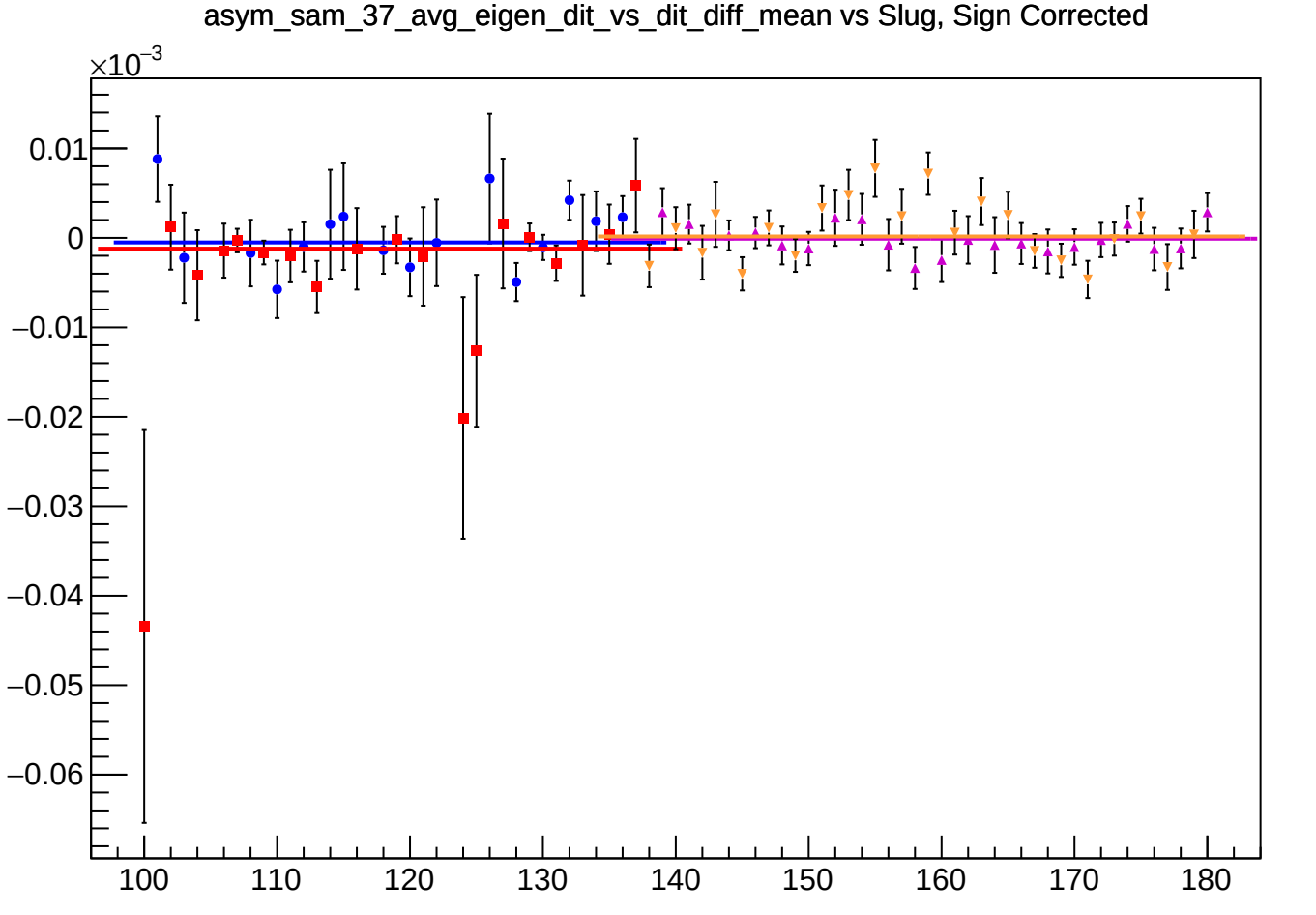
Left: 25.102+/-0.004 χ^2/NDF: 12857293.4/42

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

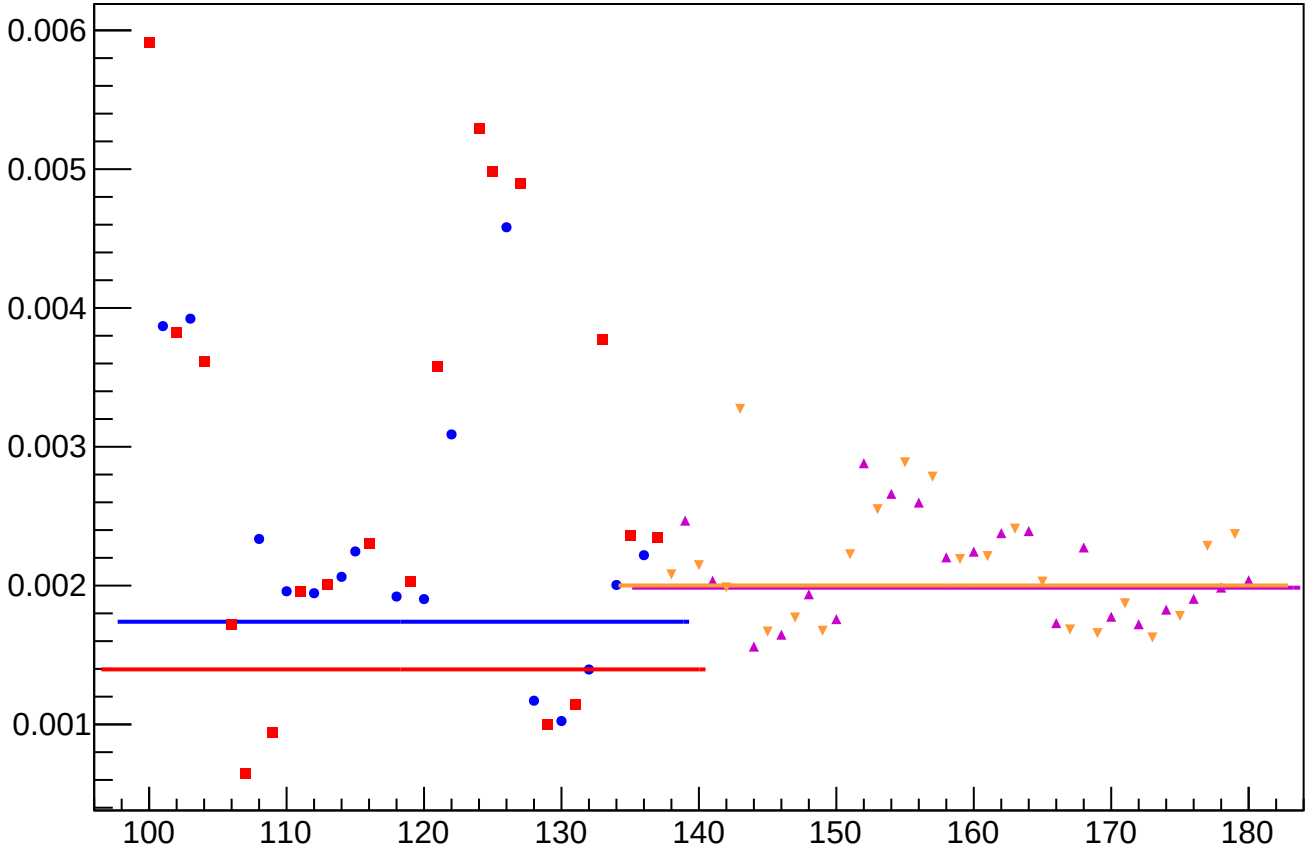
In: 24.131+/-0.004 χ^2/NDF:9689286.7/36

Out: 27.914+/-0.005 χ^2/NDF:7860942.6/40

All: 25.842+/-0.003 χ^2/NDF: 17917208.4/77


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:43.3/21
Right Out: -0.000+/-0.000 χ²/NDF: 14.6/18
Left In: -0.000+/-0.000 χ²/NDF:10.3/20
Left: 0.000+/-0.000 χ²/NDF: 53.7/42
Right: -0.000+/-0.000 χ²/NDF: 35.1/34
In: -0.000+/-0.000 χ²/NDF:30.5/36
Out: -0.000+/-0.000 χ²/NDF:60.9/40
All: -0.000+/-0.000 χ²/NDF: 91.4/77

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1170347.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:916575.9/20

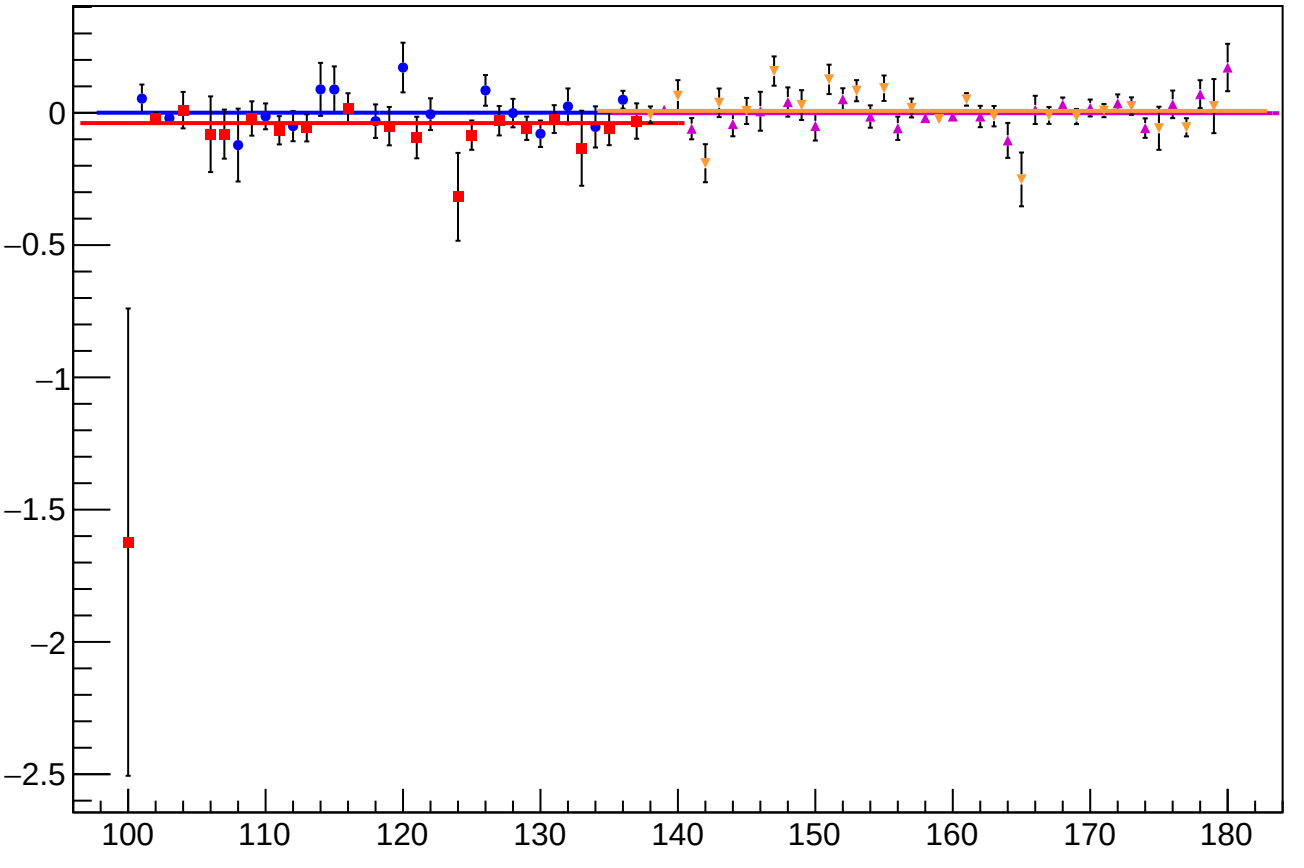
Left: 0.002+/-0.000 χ^2/NDF: 2087993.0/42

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3223808.6/36

Out: 0.002+/-0.000 χ^2/NDF:6685286.4/40

All: 0.002+/-0.000 χ^2/NDF: 10040957.0/77



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.007 χ^2/NDF:24.1/20

Left: 0.002+/-0.005 χ^2/NDF: 71.7/42

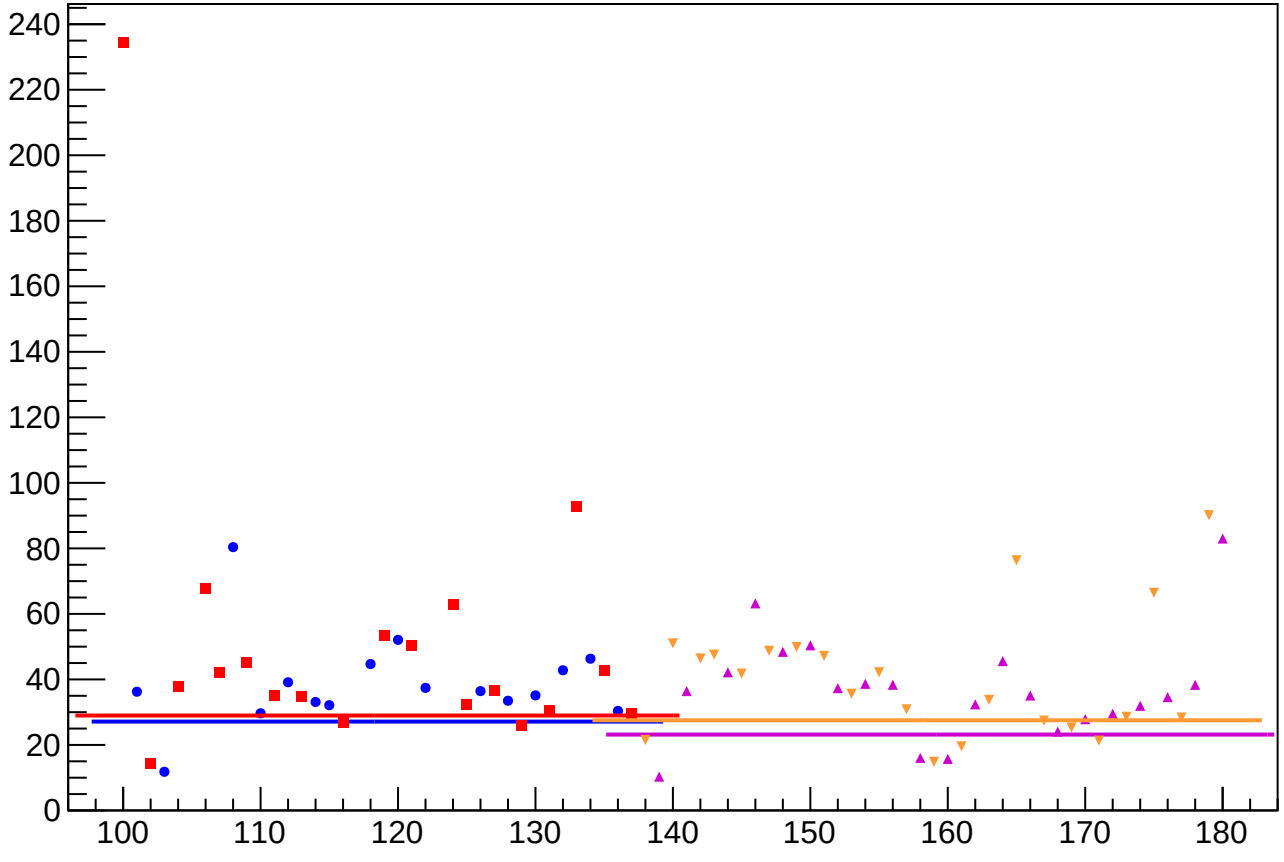
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:40.6/36

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 108.5/77

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: 27.524+/-0.005 χ^2/NDF:5385725.0/21

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

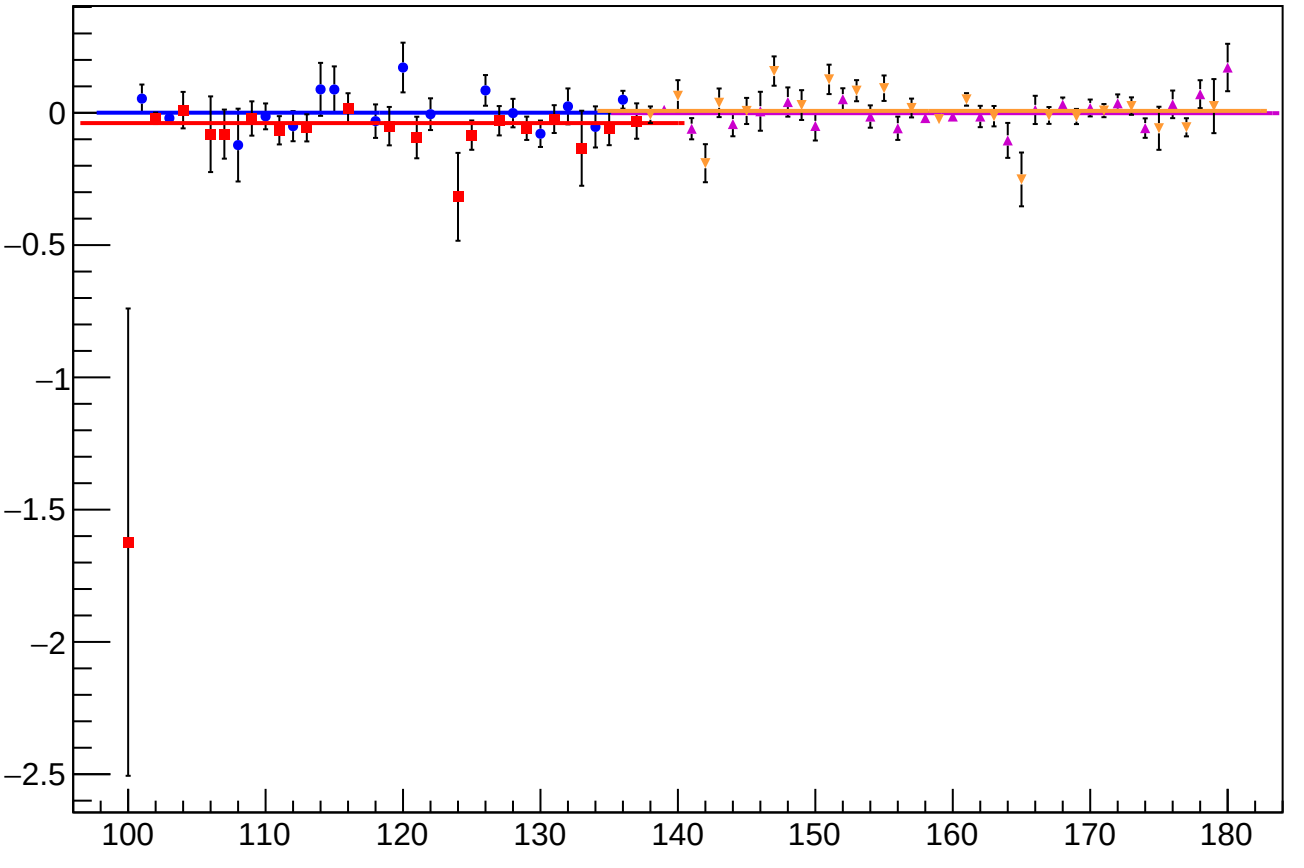
Left: 25.101+/-0.004 χ^2/NDF: 12858886.1/42

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.130+/-0.004 χ^2/NDF:9690676.8/36

Out: 27.914+/-0.005 χ^2/NDF:7860863.9/40

All: 25.841+/-0.003 χ^2/NDF: 17918808.8/77



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.001+/-0.007 χ^2/NDF:24.1/20

Left: 0.002+/-0.005 χ^2/NDF: 71.7/42

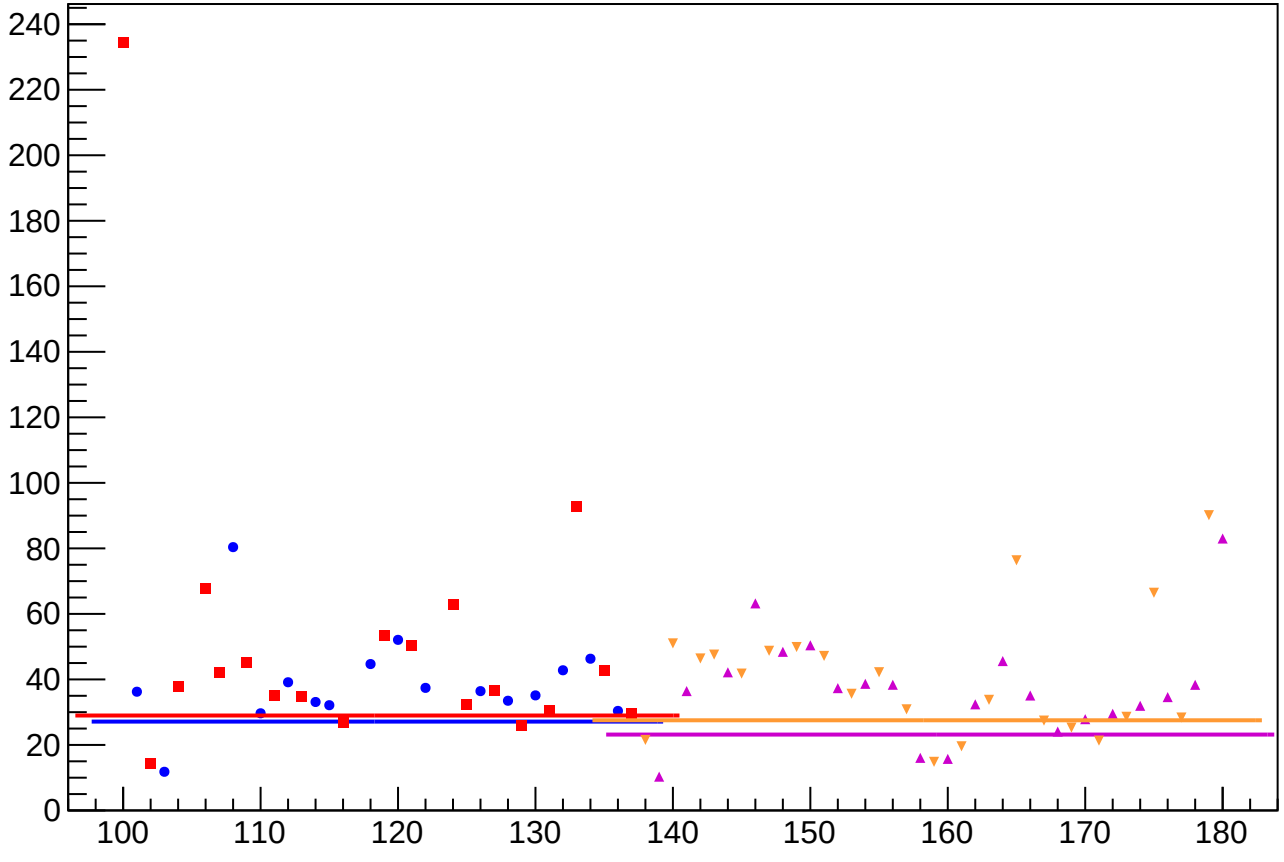
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.001+/-0.006 χ^2/NDF:40.6/36

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 108.5/77

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: 27.524+/-0.005 χ^2/NDF:5385725.0/21

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 23.164+/-0.005 χ^2/NDF:7110934.0/20

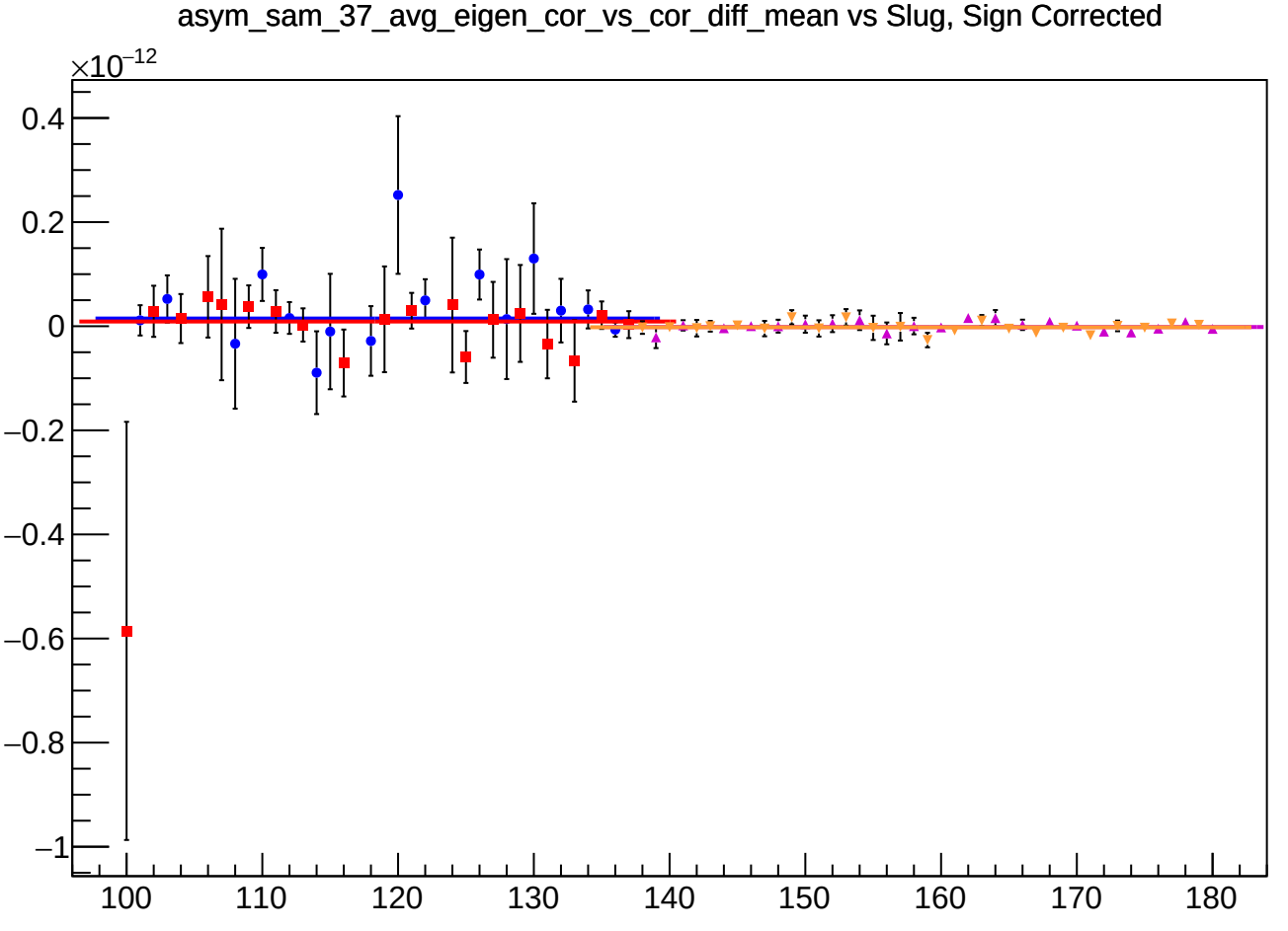
Left: 25.101+/-0.004 χ^2/NDF: 12858886.1/42

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.130+/-0.004 χ^2/NDF:9690676.8/36

Out: 27.914+/-0.005 χ^2/NDF:7860863.9/40

All: 25.841+/-0.003 χ^2/NDF: 17918808.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/20

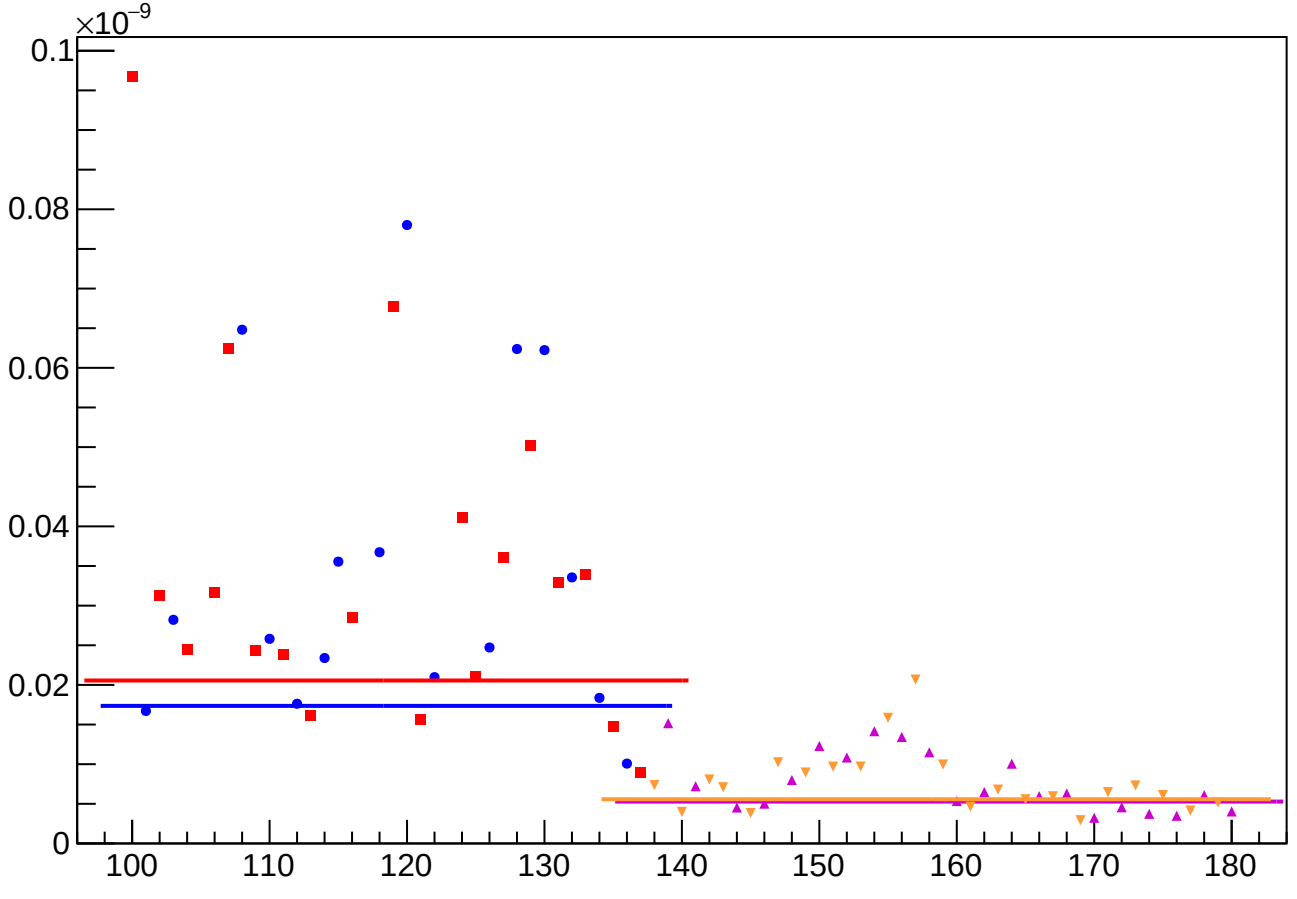
Left: -0.000+/-0.000 χ^2/NDF: 31.0/42

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:34.4/36

Out: -0.000+/-0.000 χ^2/NDF:25.4/40

All: -0.000+/-0.000 χ^2/NDF: 59.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2937026.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3305120.2/20

Left: 0.000+/-0.000 χ^2/NDF: 6265570.4/42

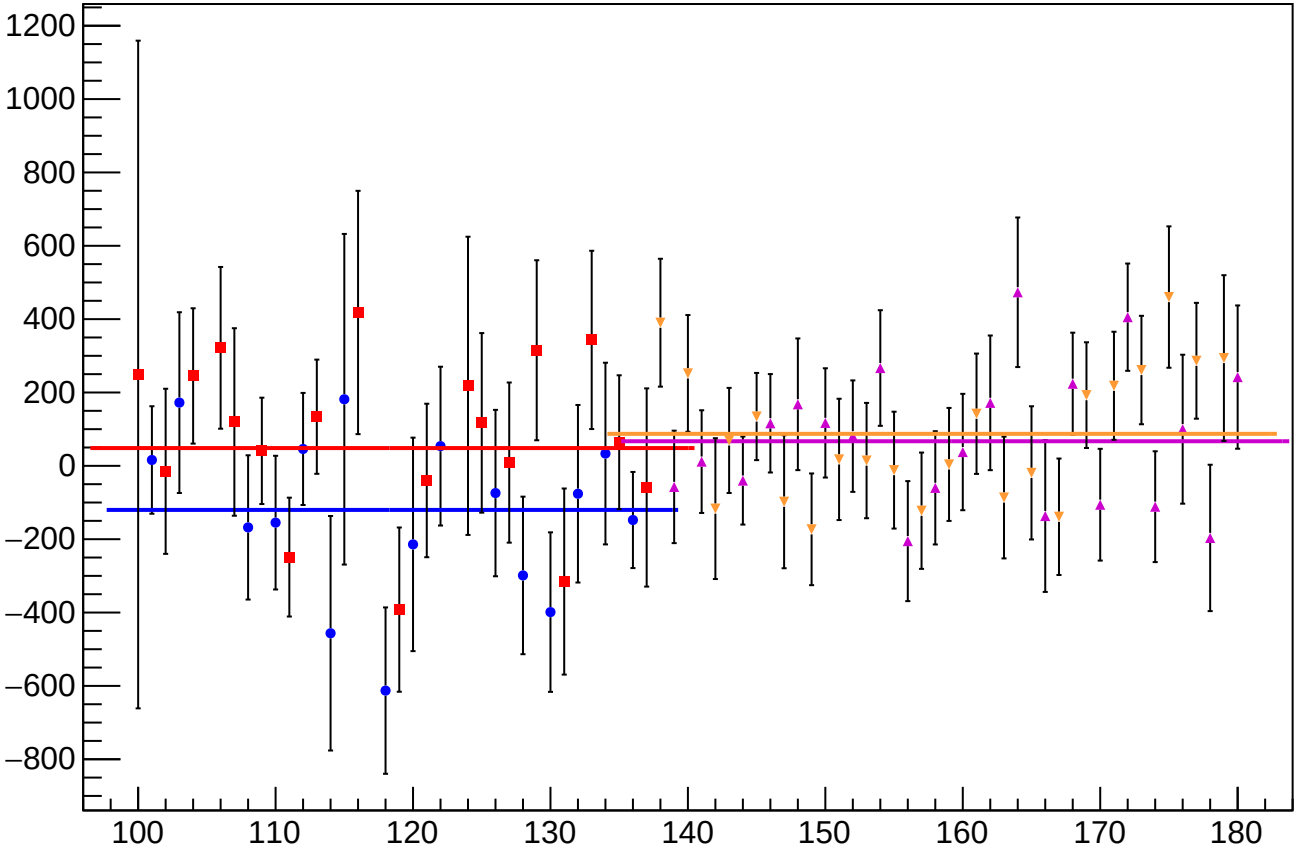
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8886366.5/36

Out: 0.000+/-0.000 χ^2/NDF:8569651.1/40

All: 0.000+/-0.000 χ^2/NDF: 17483629.6/77

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.272+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 67.082+/-34.605 χ^2/NDF:24.4/20

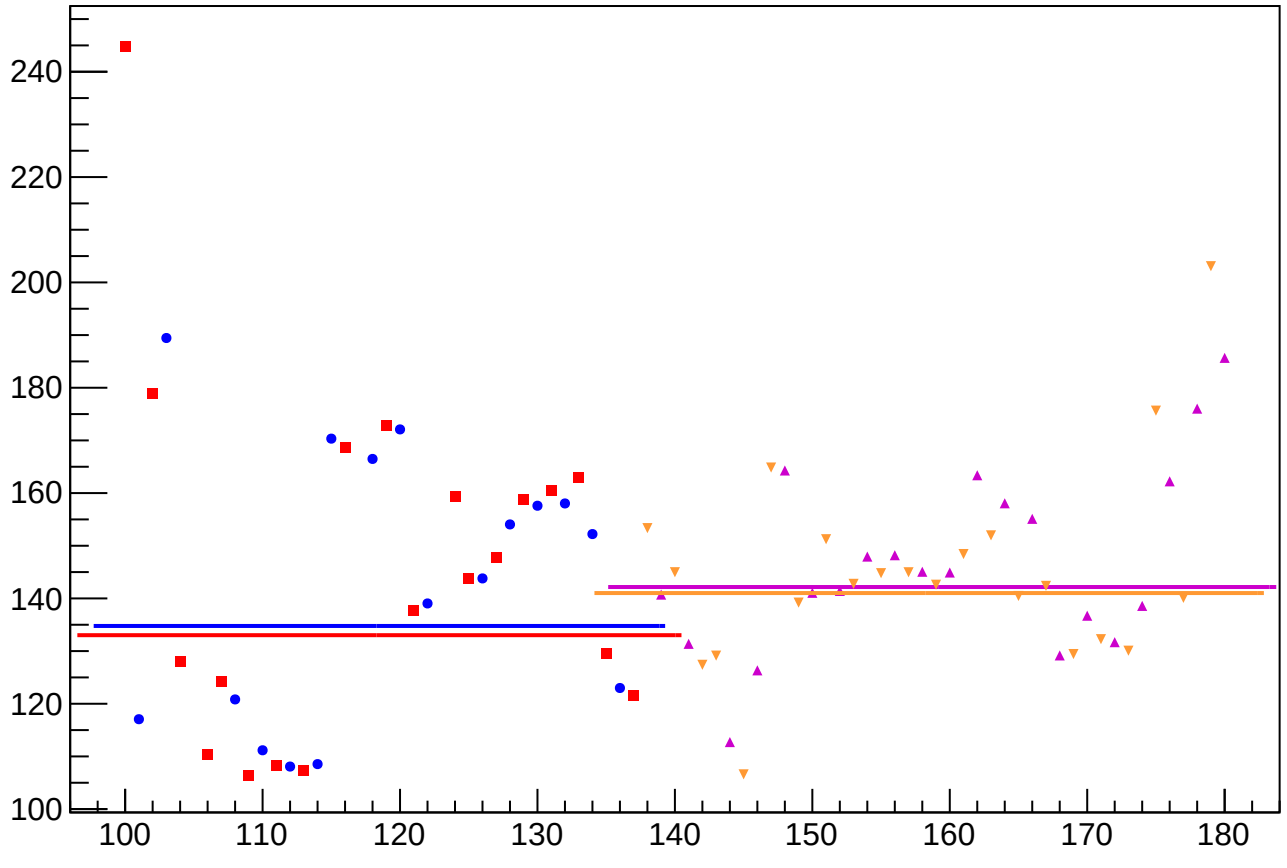
Left: 77.330+/-24.283 χ^2/NDF: 49.2/42

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 8.216+/-28.654 χ^2/NDF:47.0/36

Out: 74.925+/-28.146 χ^2/NDF:42.1/40

All: 42.166+/-20.079 χ^2/NDF: 91.8/77



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.1/20

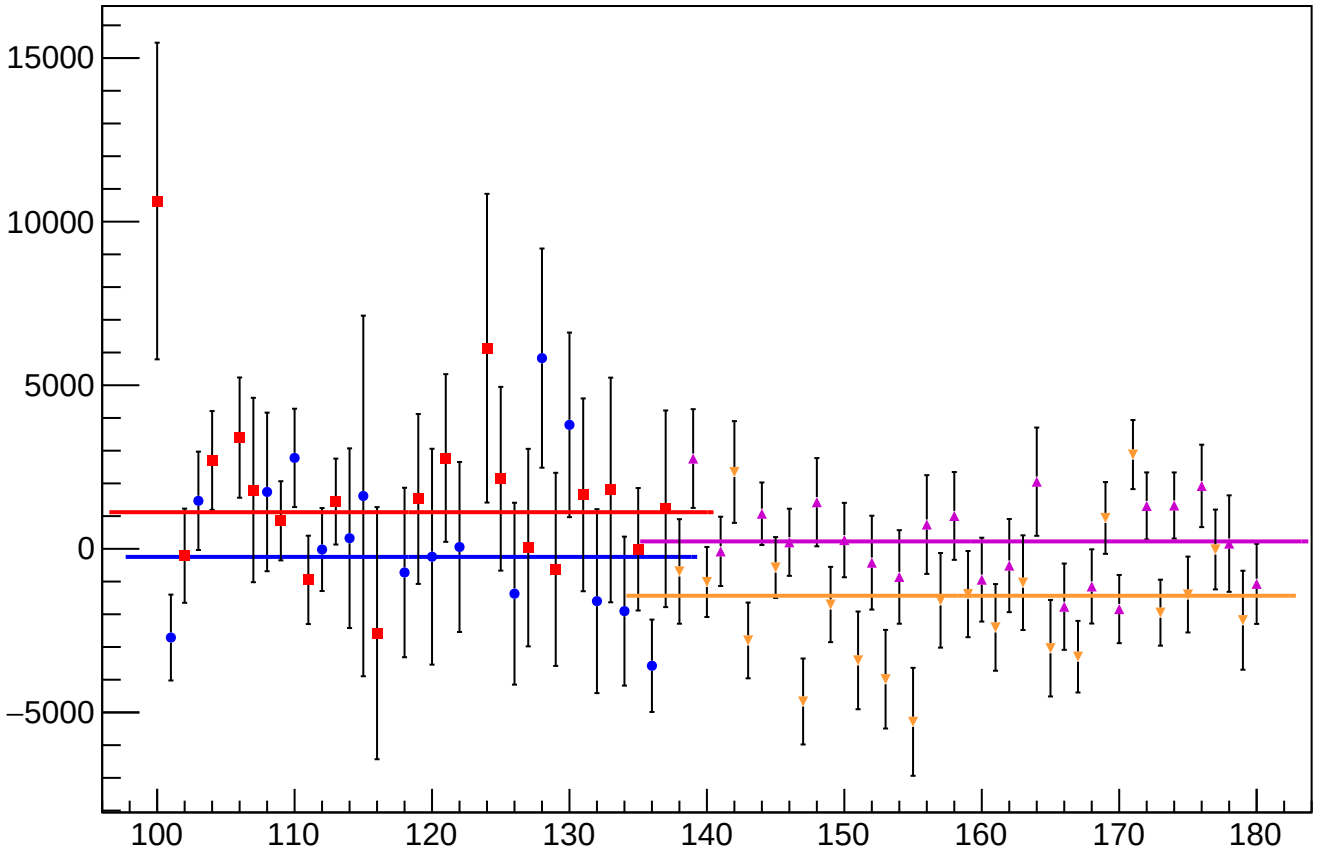
Left: 141.583+/-0.017 χ^2/NDF: 960392.7/42

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 139.840+/-0.020 χ^2/NDF:897443.5/36

Out: 138.475+/-0.020 χ^2/NDF:1038066.8/40

All: 139.145+/-0.014 χ^2/NDF: 1937821.5/77



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1433.494+/-265.963 χ^2/NDF:52.7/21

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 226.829+/-266.343 χ^2/NDF:21.0/20

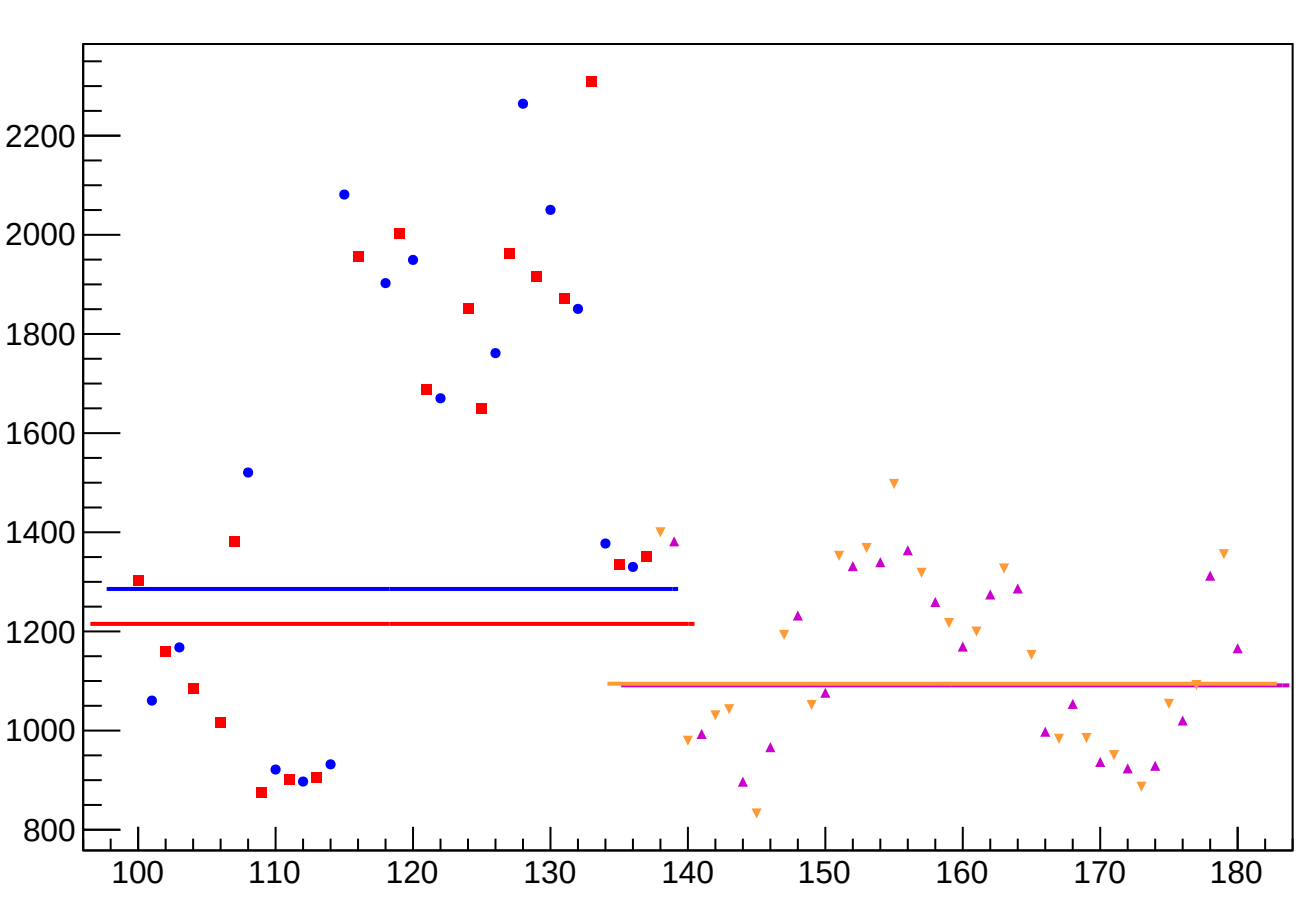
Left: -604.520+/-188.198 χ^2/NDF: 93.1/42

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 122.698+/-235.218 χ^2/NDF:43.3/36

Out: -811.082+/-231.280 χ^2/NDF:88.5/40

All: -352.075+/-164.914 χ^2/NDF: 139.8/77



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1094.550+/-0.188 χ^2/NDF:878327.9/21

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1091.234+/-0.188 χ^2/NDF:727242.0/20

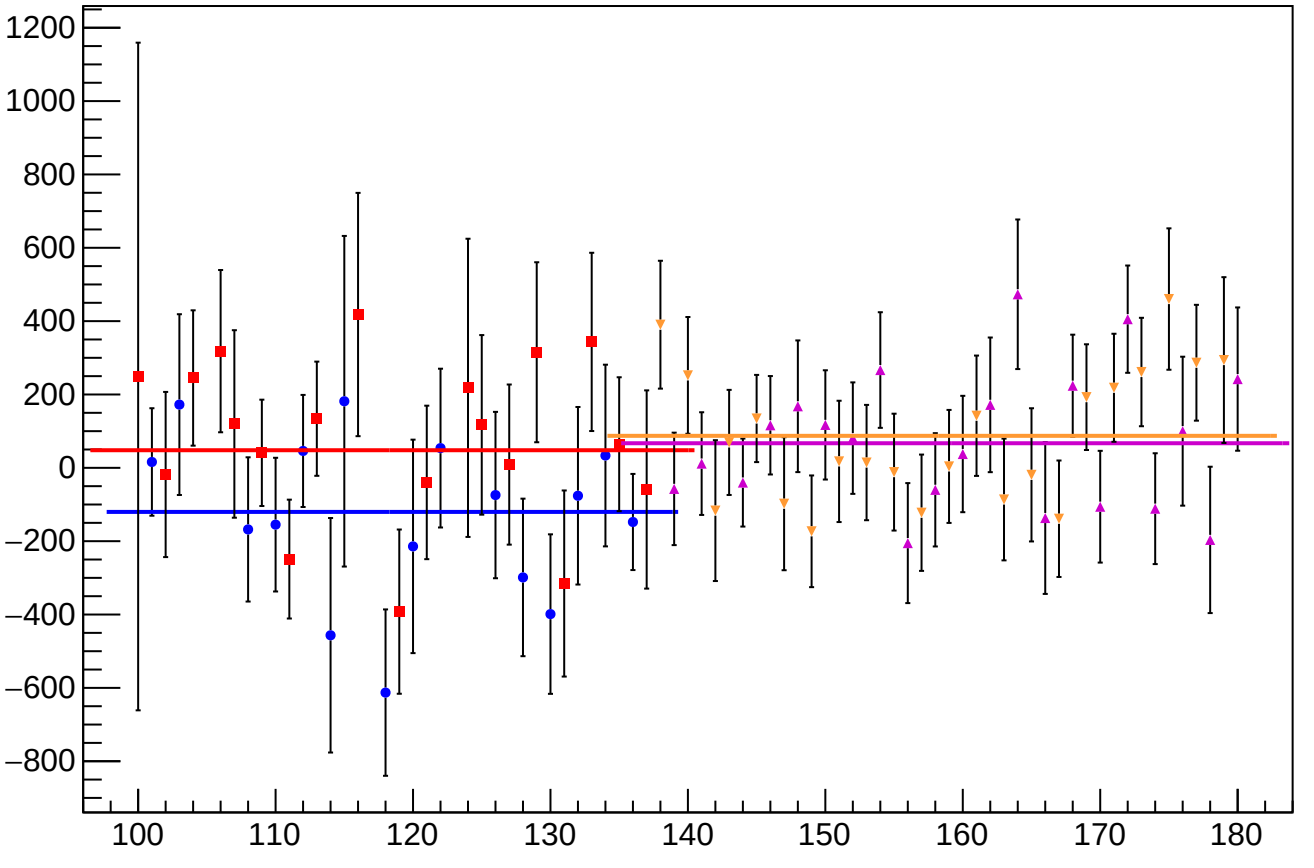
Left: 1092.894+/-0.133 χ^2/NDF: 1605725.1/42

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1134.022+/-0.166 χ^2/NDF:2132233.3/36

Out: 1123.974+/-0.164 χ^2/NDF:2365023.4/40

All: 1128.913+/-0.117 χ^2/NDF: 4499112.3/77



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 67.083+/-34.605 χ^2/NDF:24.4/20

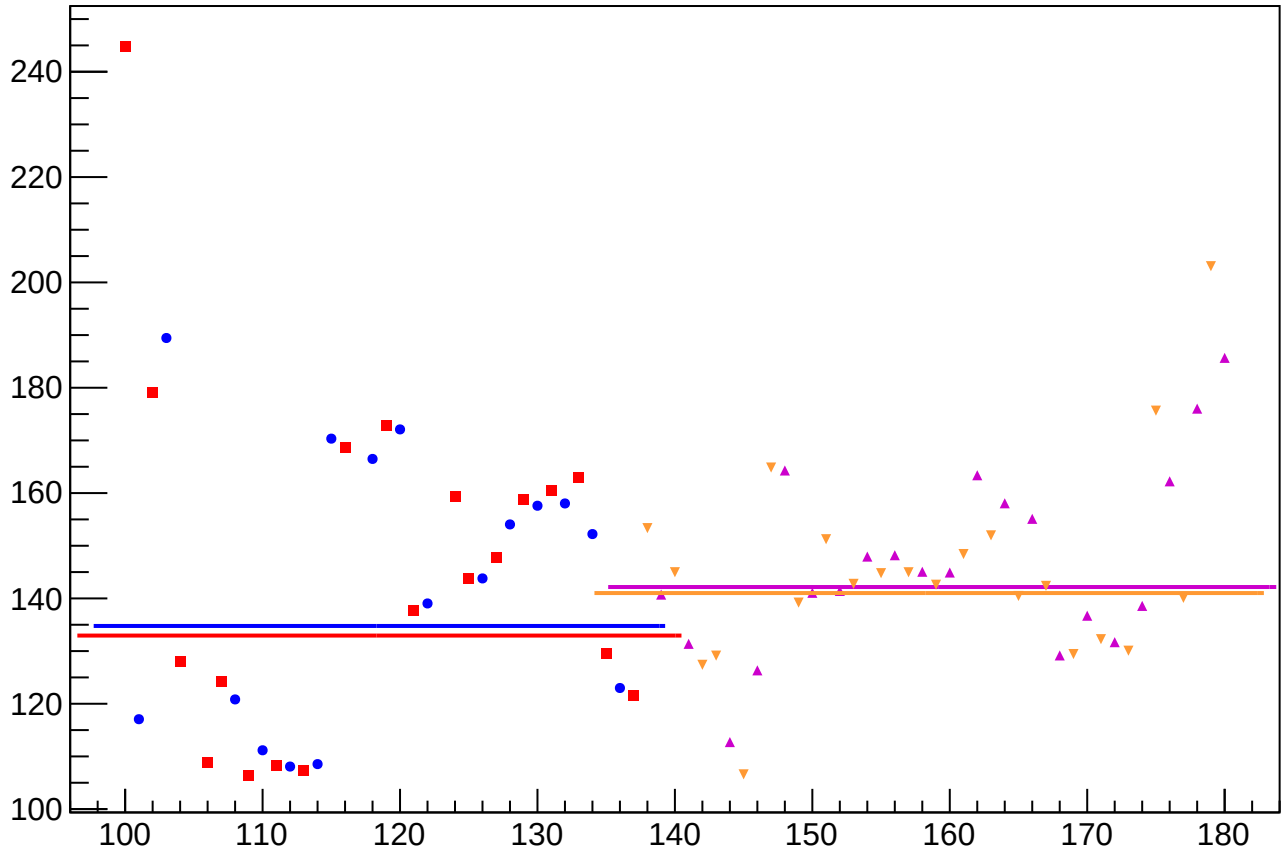
Left: 77.335+/-24.283 χ^2/NDF: 49.2/42

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 8.213+/-28.654 χ^2/NDF:47.0/36

Out: 74.795+/-28.148 χ^2/NDF:42.0/40

All: 42.097+/-20.080 χ^2/NDF: 91.8/77



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

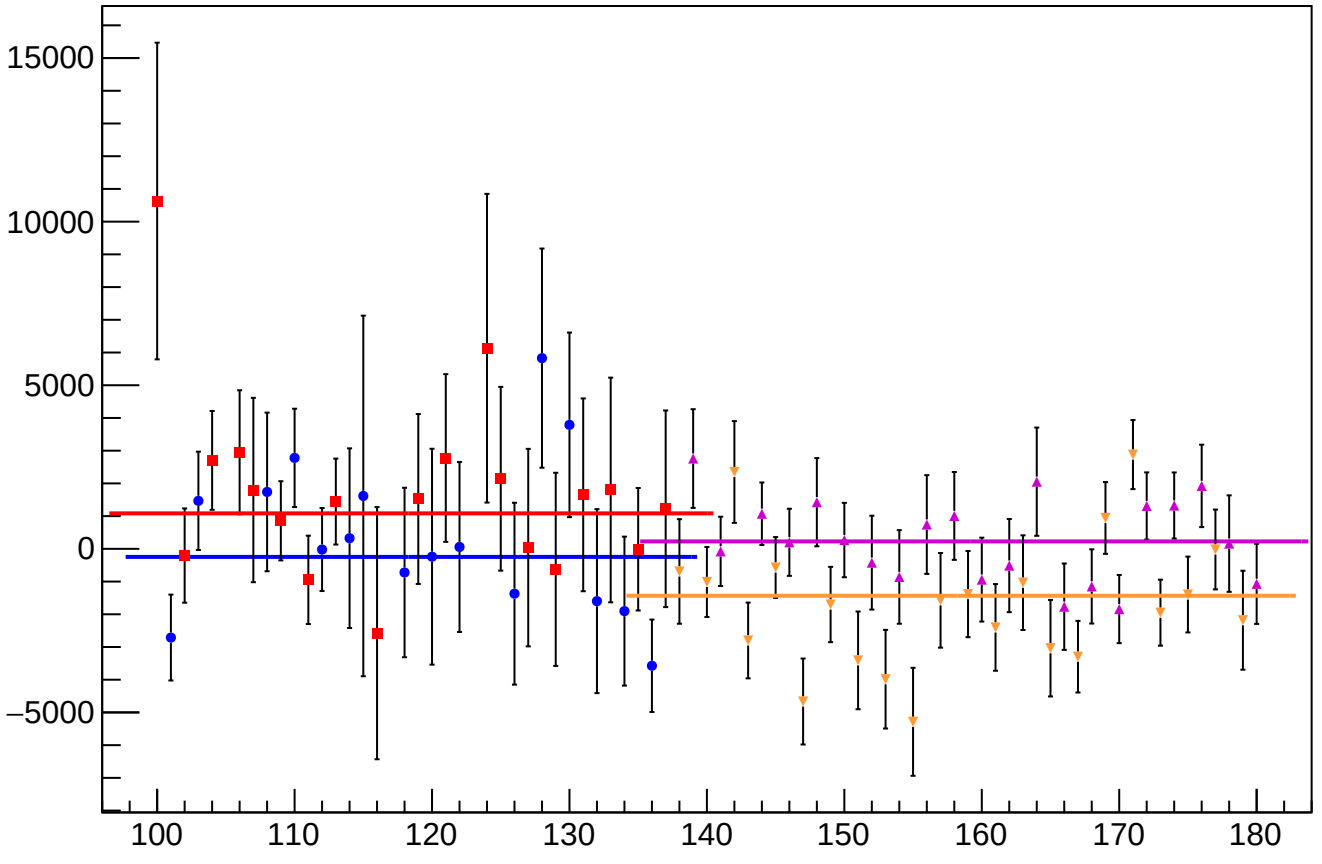
Left: 141.583+/-0.017 χ^2/NDF: 960392.7/42

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 139.840+/-0.020 χ^2/NDF:897446.4/36

Out: 138.452+/-0.020 χ^2/NDF:1041828.4/40

All: 139.134+/-0.014 χ^2/NDF: 1941662.3/77



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 226.832+/-266.343 χ^2/NDF:21.0/20

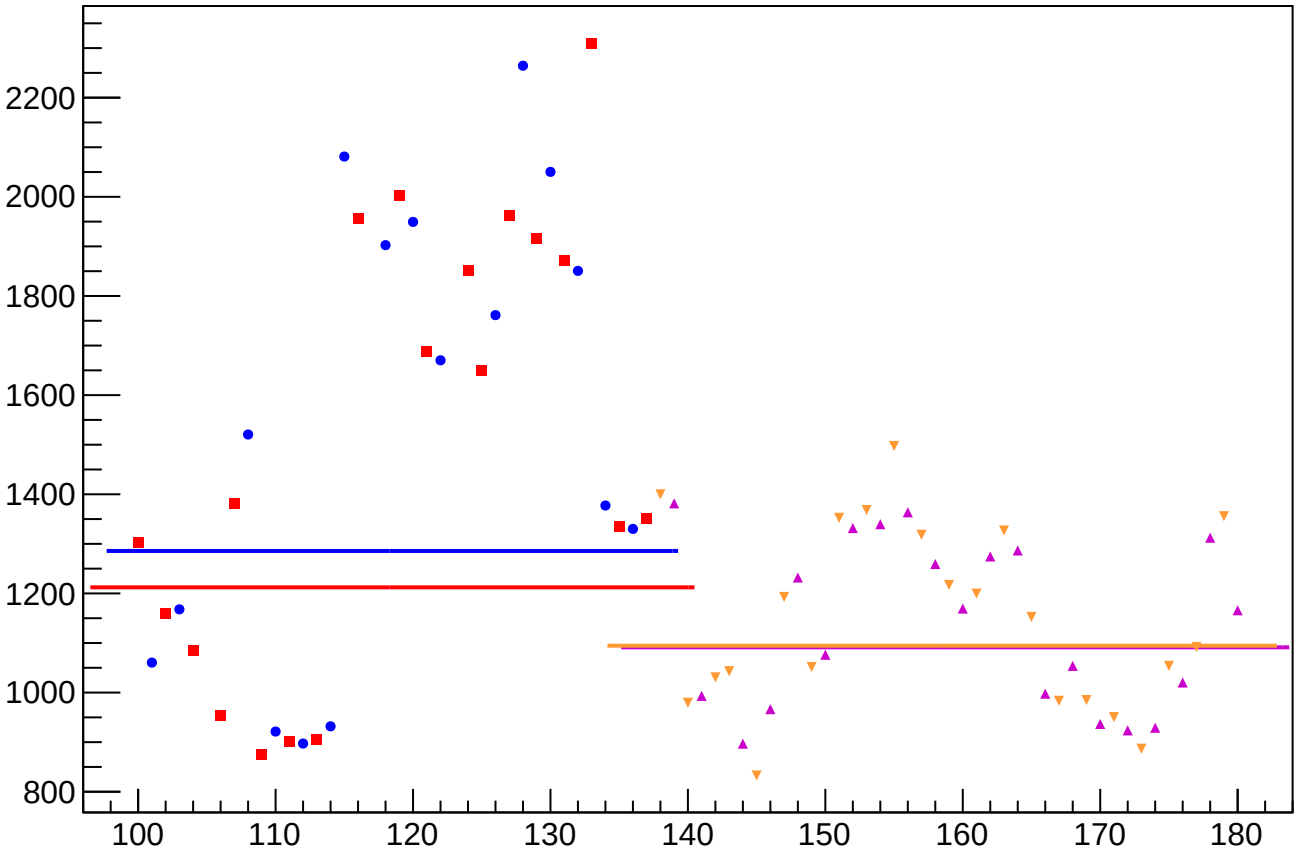
Left: -604.515+/-188.198 χ^2/NDF: 93.1/42

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 122.686+/-235.219 χ^2/NDF:43.3/36

Out: -821.515+/-231.391 χ^2/NDF:87.2/40

All: -357.161+/-164.955 χ^2/NDF: 138.7/77



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

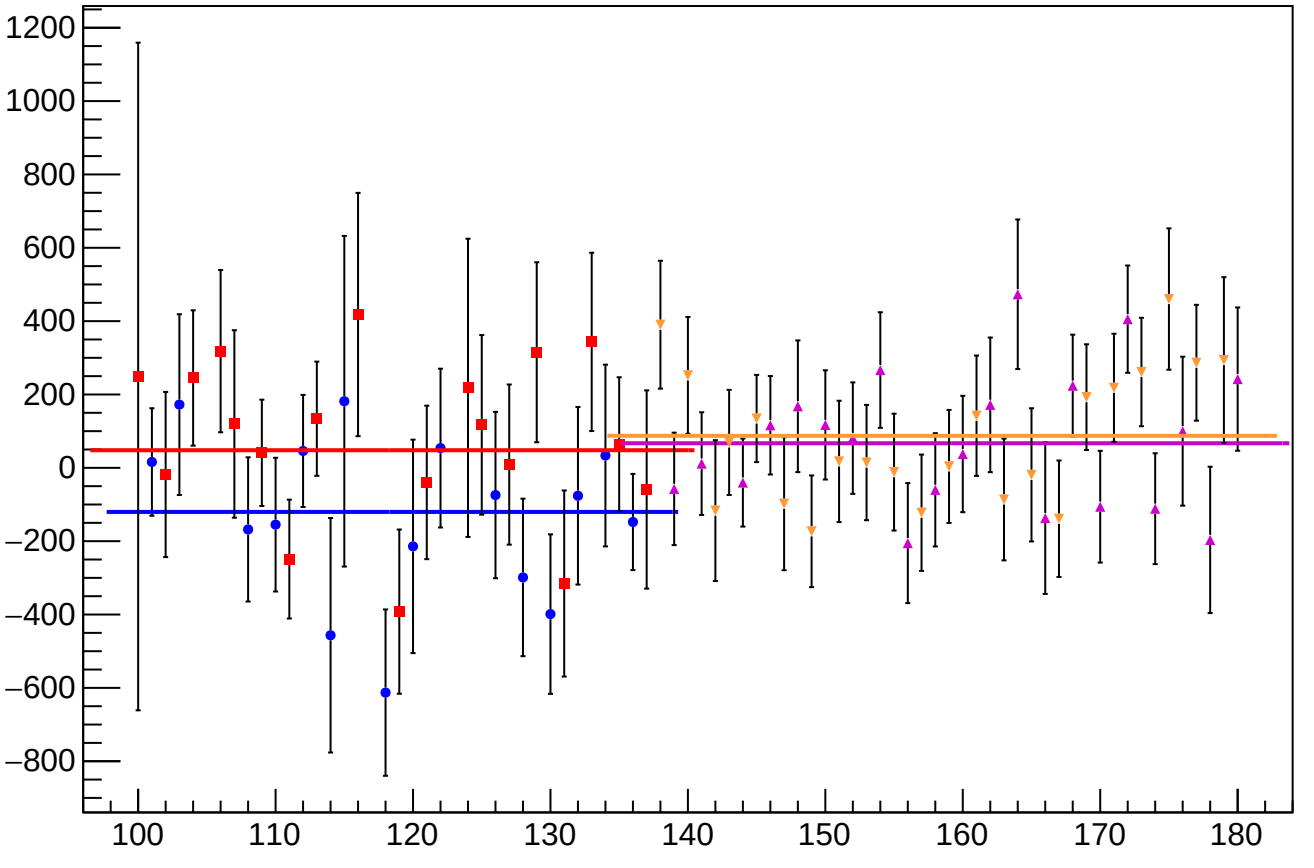
Left: 1092.894+/-0.133 χ^2/NDF: 1605726.2/42

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.024+/-0.166 χ^2/NDF:2132237.7/36

Out: 1123.166+/-0.164 χ^2/NDF:2374217.9/40

All: 1128.506+/-0.117 χ^2/NDF: 4508621.5/77



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 67.083+/-34.605 χ^2/NDF:24.4/20

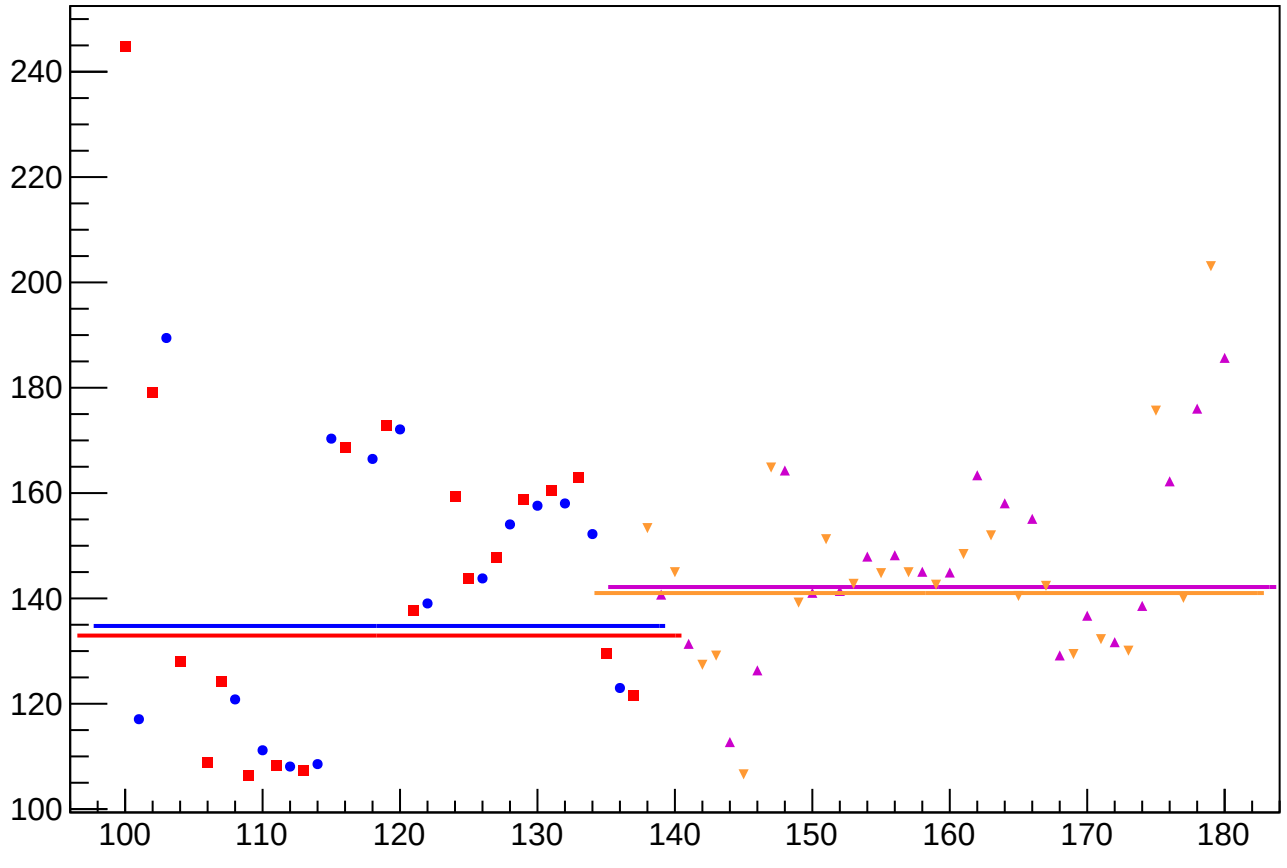
Left: 77.335+/-24.283 χ^2/NDF: 49.2/42

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 8.213+/-28.654 χ^2/NDF:47.0/36

Out: 74.795+/-28.148 χ^2/NDF:42.0/40

All: 42.097+/-20.080 χ^2/NDF: 91.8/77



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 142.164+/-0.024 χ^2/NDF:451966.2/20

Left: 141.583+/-0.017 χ^2/NDF: 960392.7/42

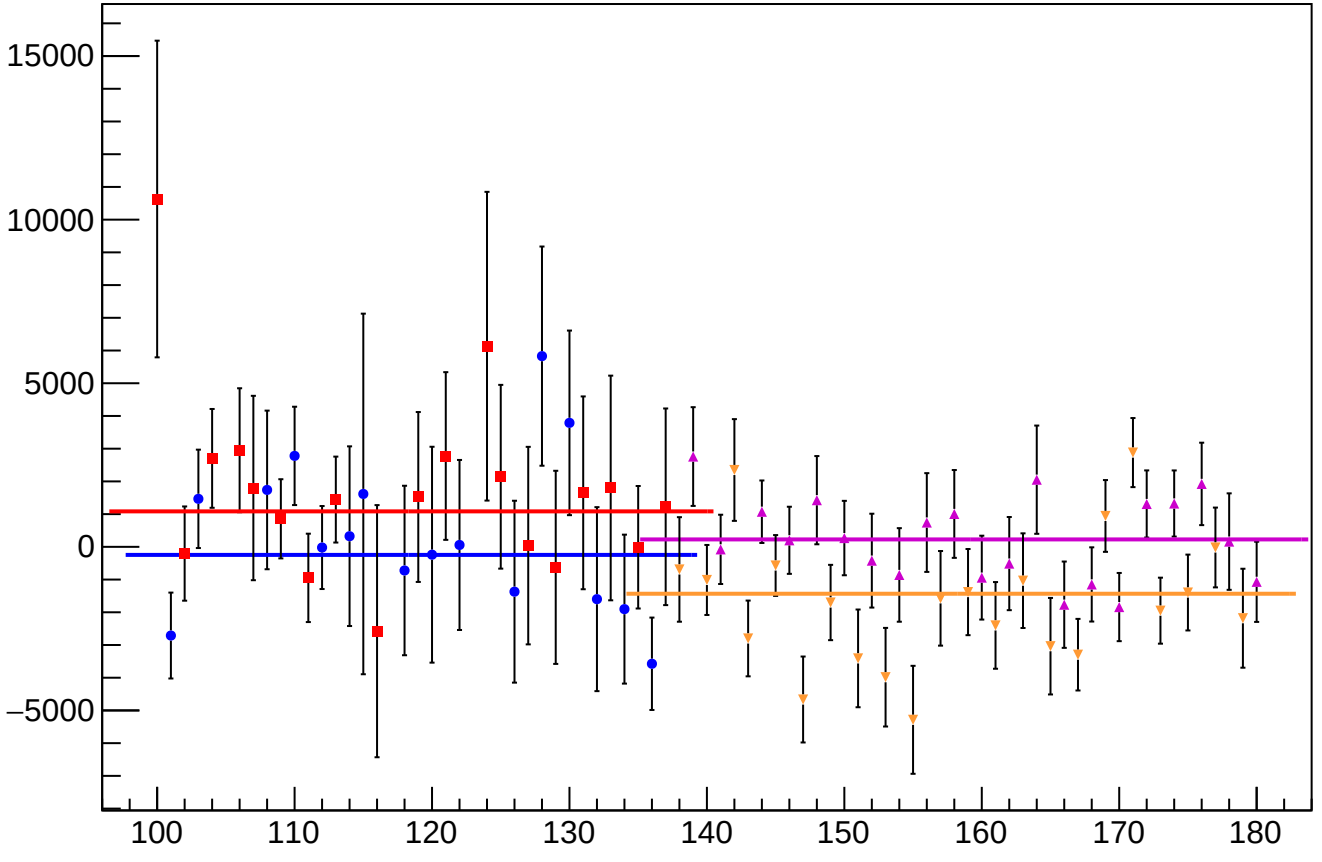
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 139.840+/-0.020 χ^2/NDF:897446.4/36

Out: 138.452+/-0.020 χ^2/NDF:1041828.4/40

All: 139.134+/-0.014 χ^2/NDF: 1941662.3/77

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: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 226.832+/-266.343 χ^2/NDF:21.0/20

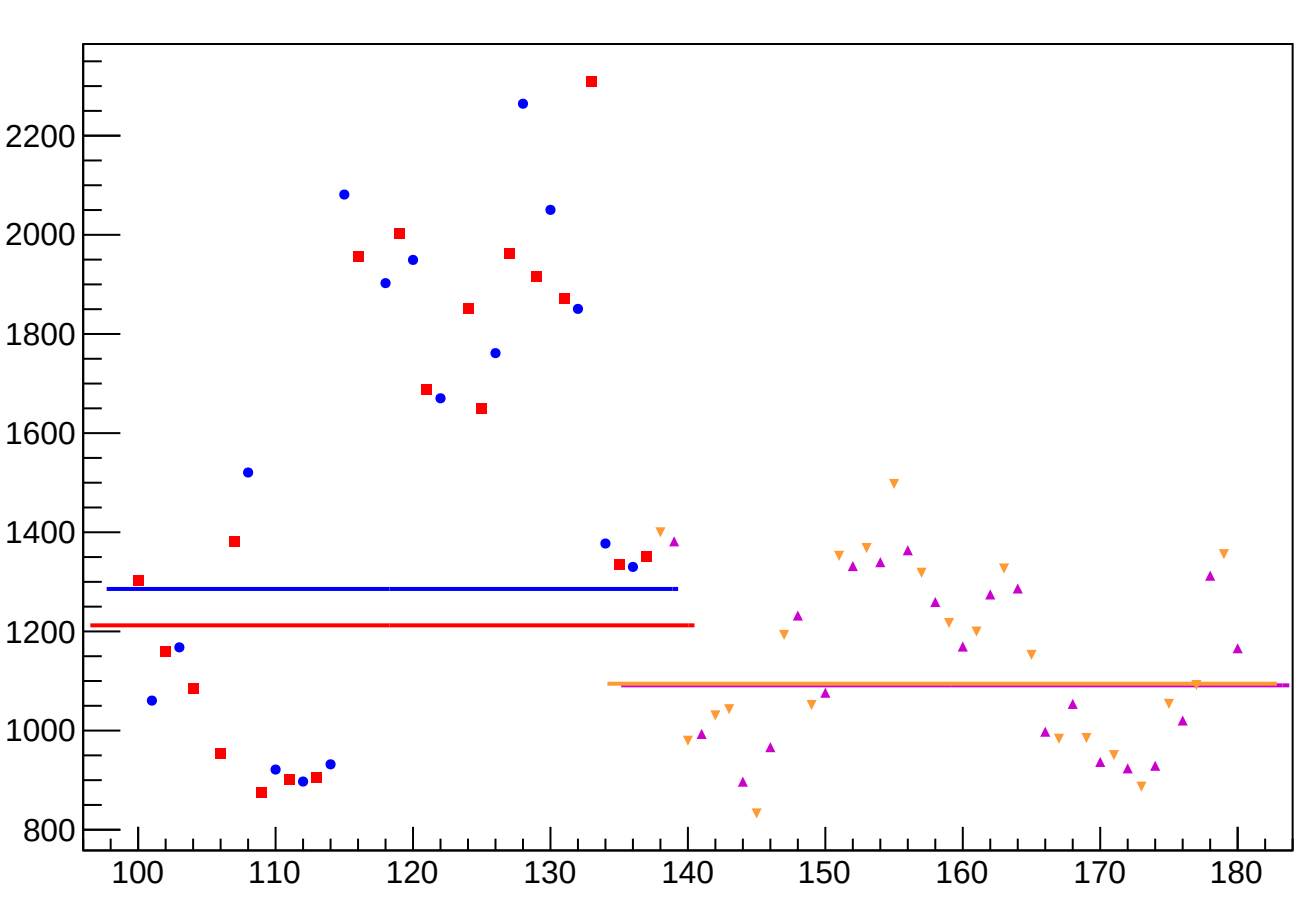
Left: -604.515+/-188.198 χ^2/NDF: 93.1/42

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 122.686+/-235.219 χ^2/NDF:43.3/36

Out: -821.515+/-231.391 χ^2/NDF:87.2/40

All: -357.161+/-164.955 χ^2/NDF: 138.7/77



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1091.234+/-0.188 χ^2/NDF:727242.5/20

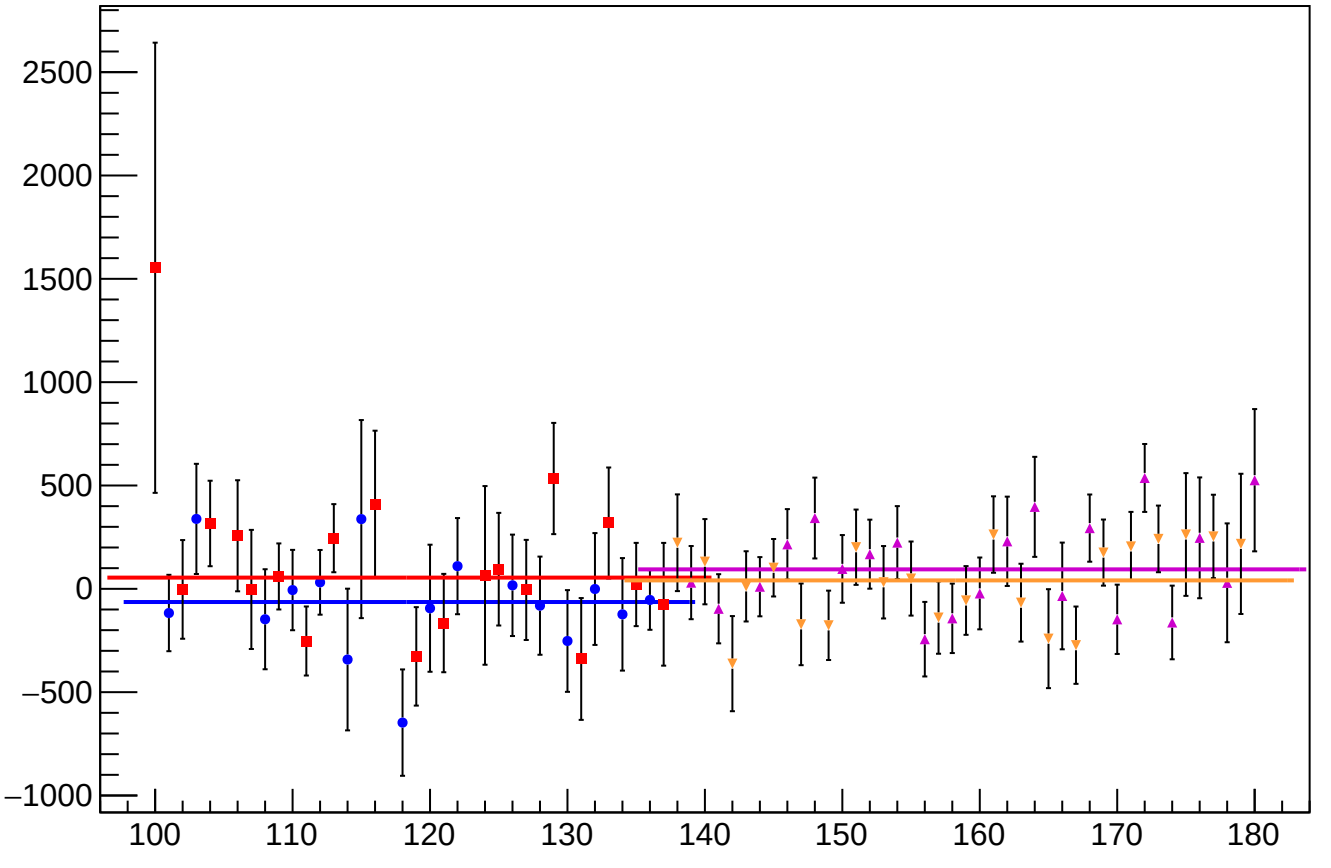
Left: 1092.894+/-0.133 χ^2/NDF: 1605726.2/42

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1134.024+/-0.166 χ^2/NDF:2132237.7/36

Out: 1123.166+/-0.164 χ^2/NDF:2374217.9/40

All: 1128.506+/-0.117 χ^2/NDF: 4508621.5/77



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.827+/-39.774 χ^2/NDF:20.2/21

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 94.200+/-40.518 χ^2/NDF:27.6/20

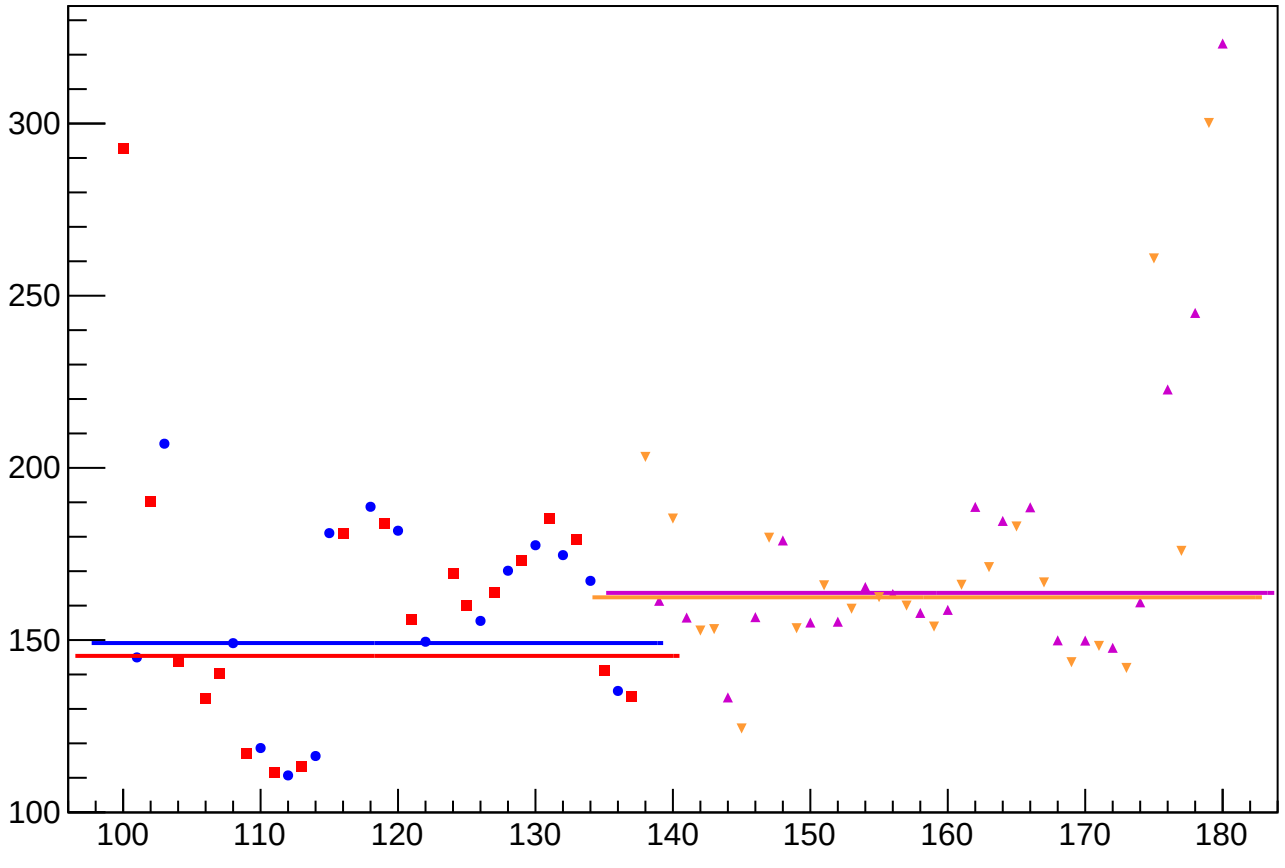
Left: 67.019+/-28.384 χ^2/NDF: 48.7/42

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 40.838+/-32.973 χ^2/NDF:43.5/36

Out: 45.484+/-32.178 χ^2/NDF:39.8/40

All: 43.217+/-23.029 χ^2/NDF: 83.3/77



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 162.406+/-0.028 χ^2/NDF:926589.1/21

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 163.697+/-0.029 χ^2/NDF:902848.1/20

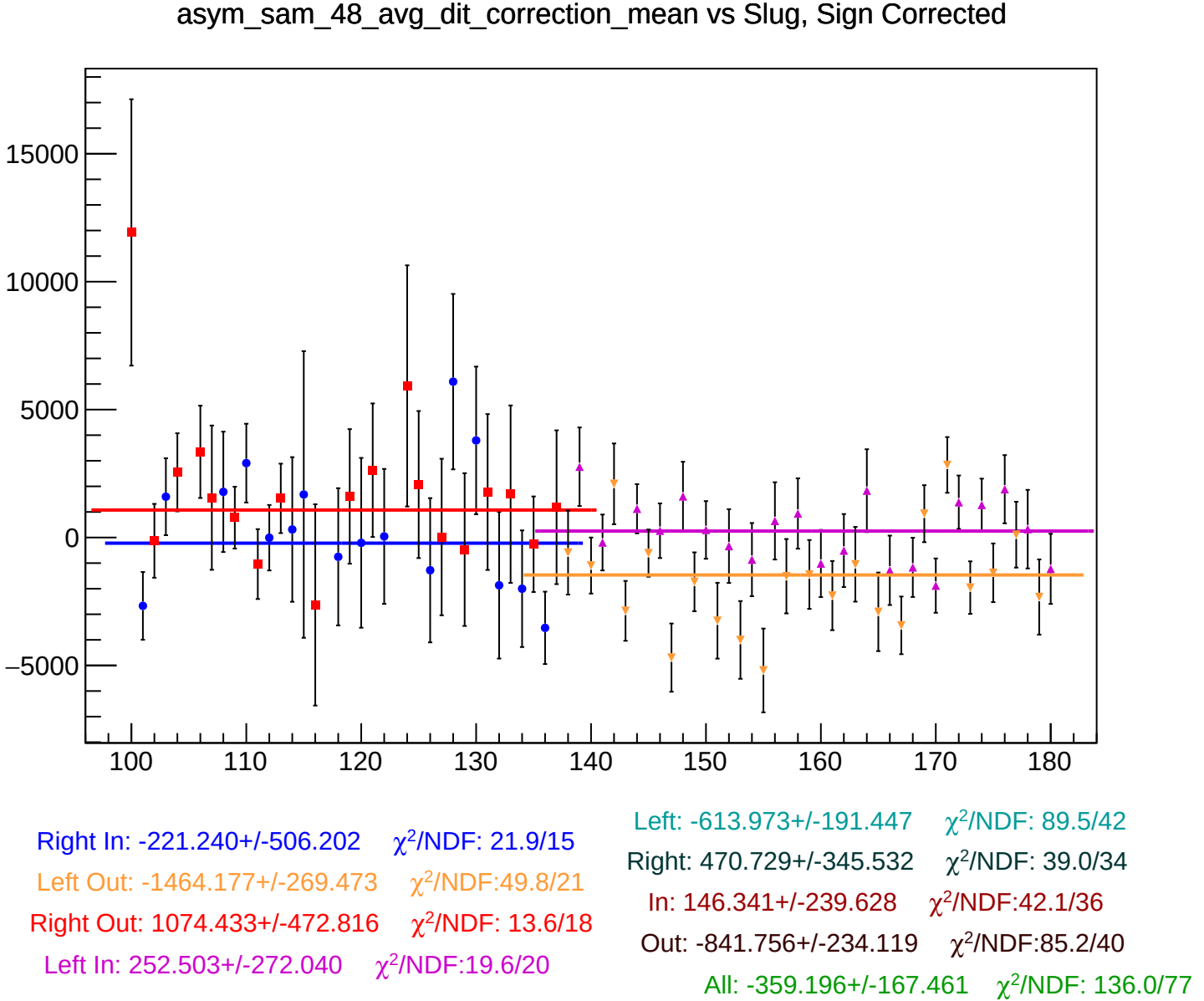
Left: 163.040+/-0.020 χ^2/NDF: 1830471.2/42

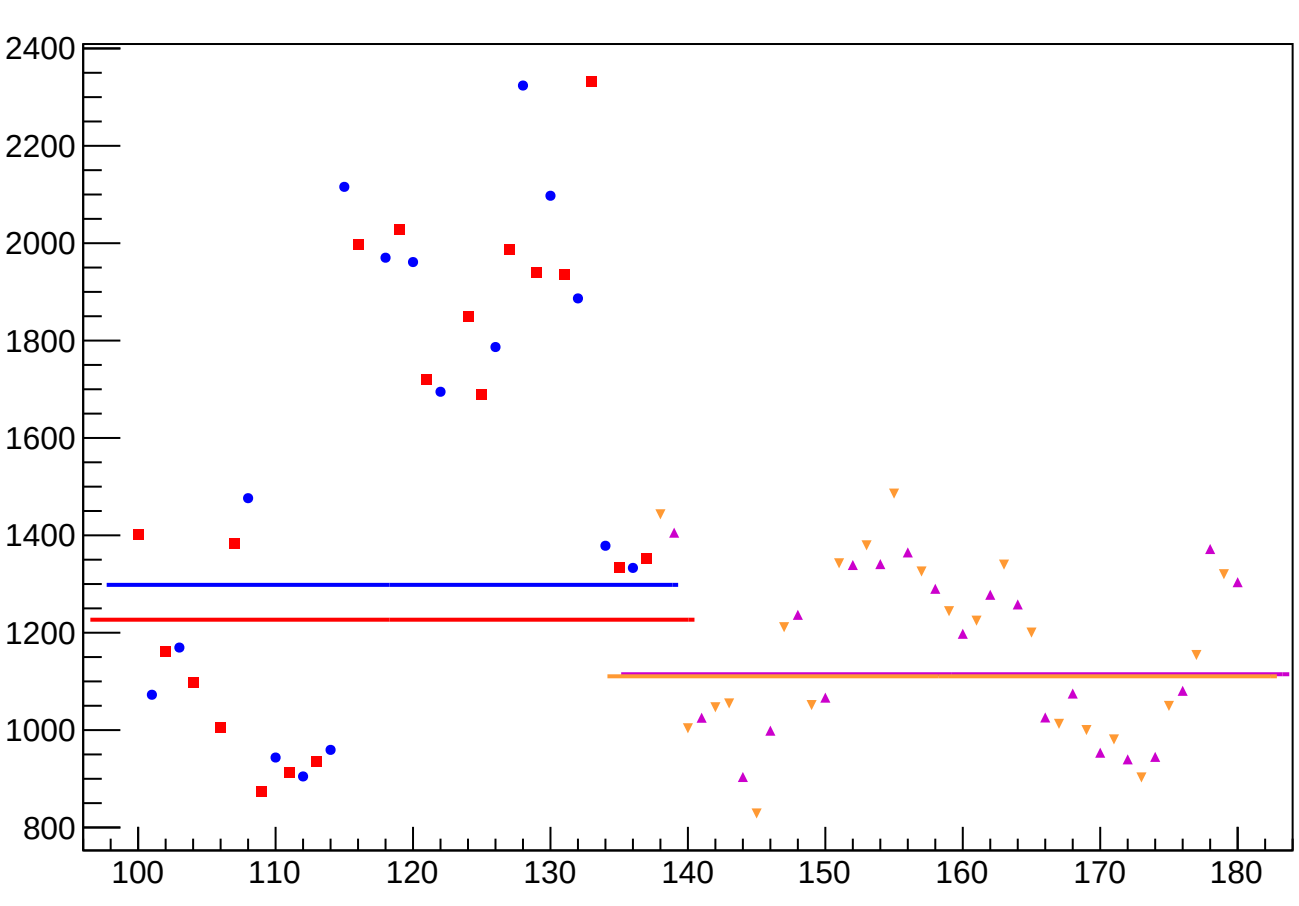
Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 158.777+/-0.023 χ^2/NDF:1441168.2/36

Out: 156.530+/-0.023 χ^2/NDF:1578749.4/40

All: 157.626+/-0.016 χ^2/NDF: 3024674.1/77


asym_sam_48_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -221.240+/-506.202 χ²/NDF: 21.9/15
Left Out: -1464.177+/-269.473 χ²/NDF:49.8/21
Right Out: 1074.433+/-472.816 χ²/NDF: 13.6/18
Left In: 252.503+/-272.040 χ²/NDF:19.6/20
Left: -613.973+/-191.447 χ²/NDF: 89.5/42
Right: 470.729+/-345.532 χ²/NDF: 39.0/34
In: 146.341+/-239.628 χ²/NDF:42.1/36
Out: -841.756+/-234.119 χ²/NDF:85.2/40
All: -359.196+/-167.461 χ²/NDF: 136.0/77



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1110.486+/-0.191 χ^2/NDF:856508.7/21

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1114.729+/-0.192 χ^2/NDF:724056.4/20

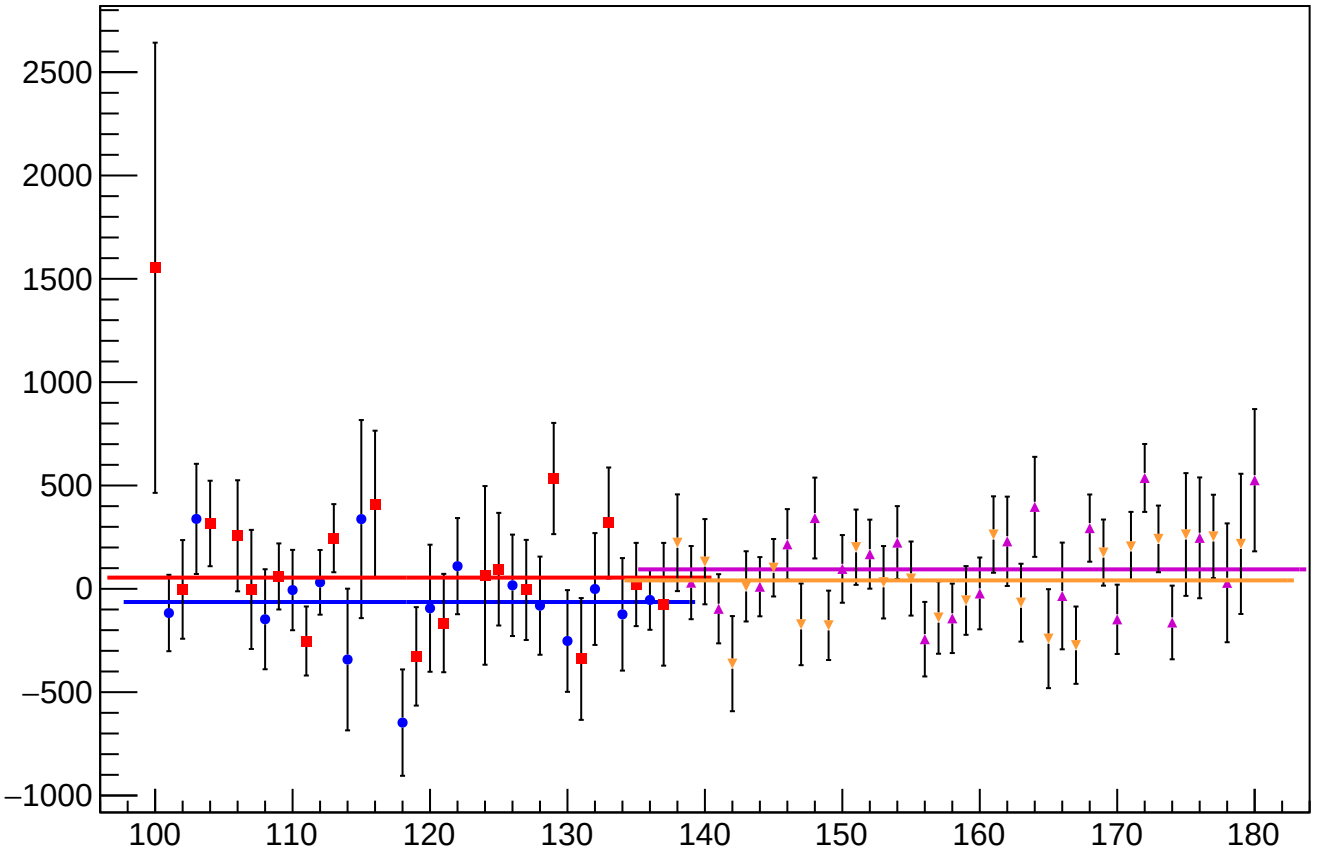
Left: 1112.588+/-0.135 χ^2/NDF: 1580810.7/42

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1155.865+/-0.169 χ^2/NDF:2110243.6/36

Out: 1138.986+/-0.166 χ^2/NDF:2352277.3/40

All: 1147.229+/-0.118 χ^2/NDF: 4467597.3/77



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.829+/-39.774 χ^2/NDF:20.2/21

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 94.200+/-40.518 χ^2/NDF:27.6/20

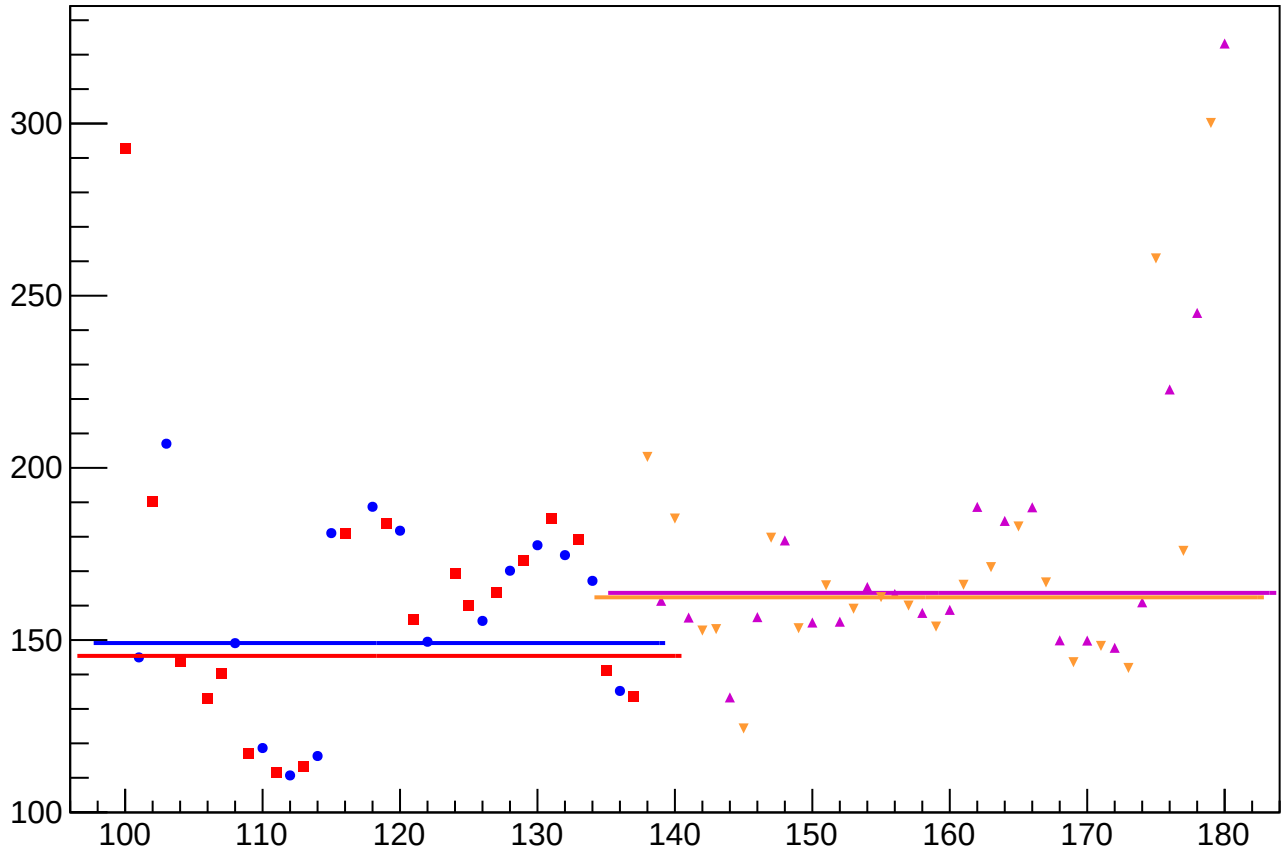
Left: 67.020+/-28.384 χ^2/NDF: 48.7/42

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 40.838+/-32.973 χ^2/NDF:43.5/36

Out: 45.485+/-32.178 χ^2/NDF:39.8/40

All: 43.218+/-23.029 χ^2/NDF: 83.3/77



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 162.407+/-0.028 χ^2/NDF:926586.9/21

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 163.698+/-0.029 χ^2/NDF:902827.6/20

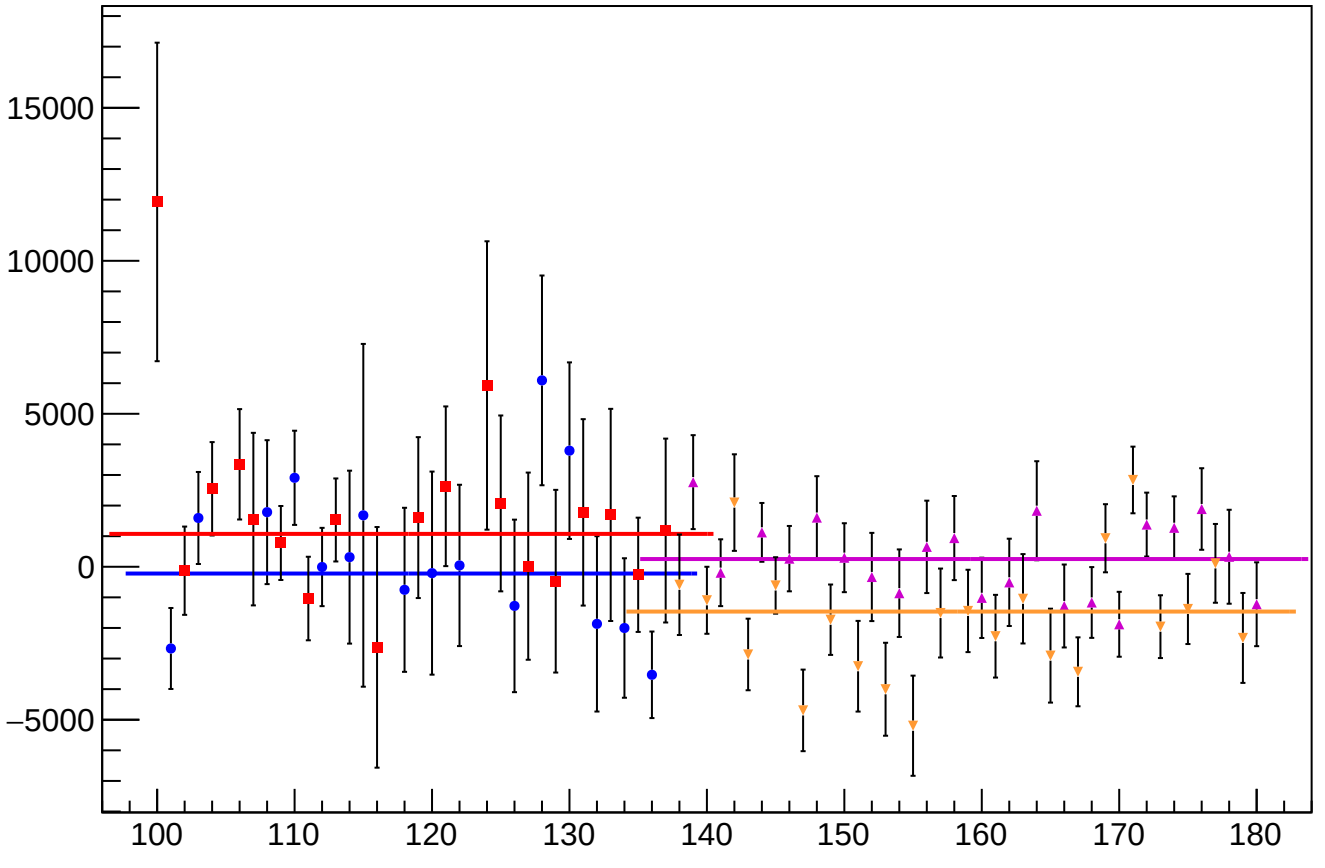
Left: 163.040+/-0.020 χ^2/NDF: 1830448.6/42

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 158.777+/-0.023 χ^2/NDF:1441152.2/36

Out: 156.530+/-0.023 χ^2/NDF:1578754.0/40

All: 157.626+/-0.016 χ^2/NDF: 3024662.7/77



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1464.174+/-269.473 χ^2/NDF:49.8/21

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 252.502+/-272.039 χ^2/NDF:19.6/20

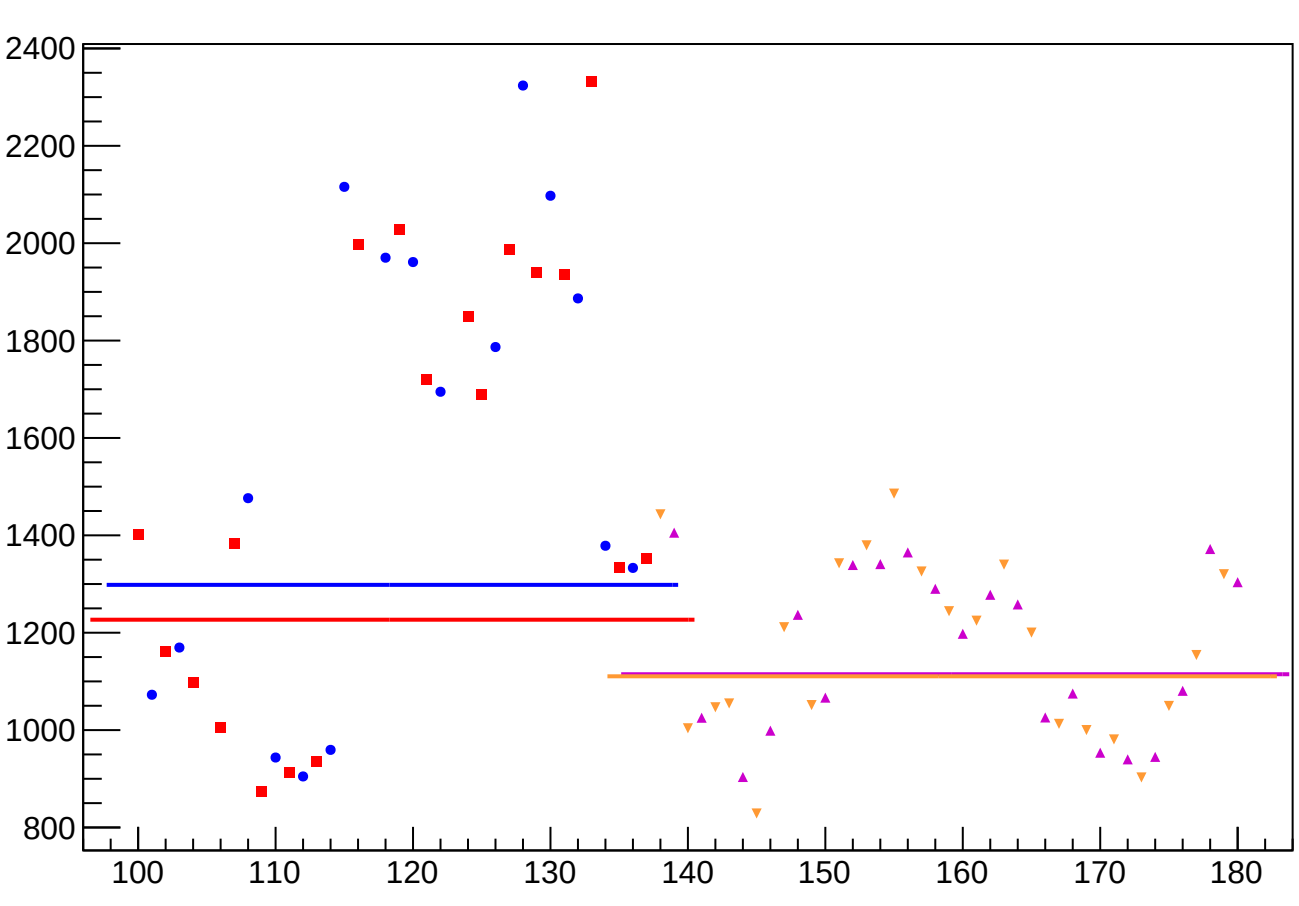
Left: -613.972+/-191.447 χ^2/NDF: 89.5/42

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 146.340+/-239.627 χ^2/NDF:42.1/36

Out: -841.755+/-234.119 χ^2/NDF:85.2/40

All: -359.196+/-167.461 χ^2/NDF: 136.0/77



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1110.484+/-0.191 χ^2/NDF:856510.6/21

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1114.727+/-0.192 χ^2/NDF:724054.7/20

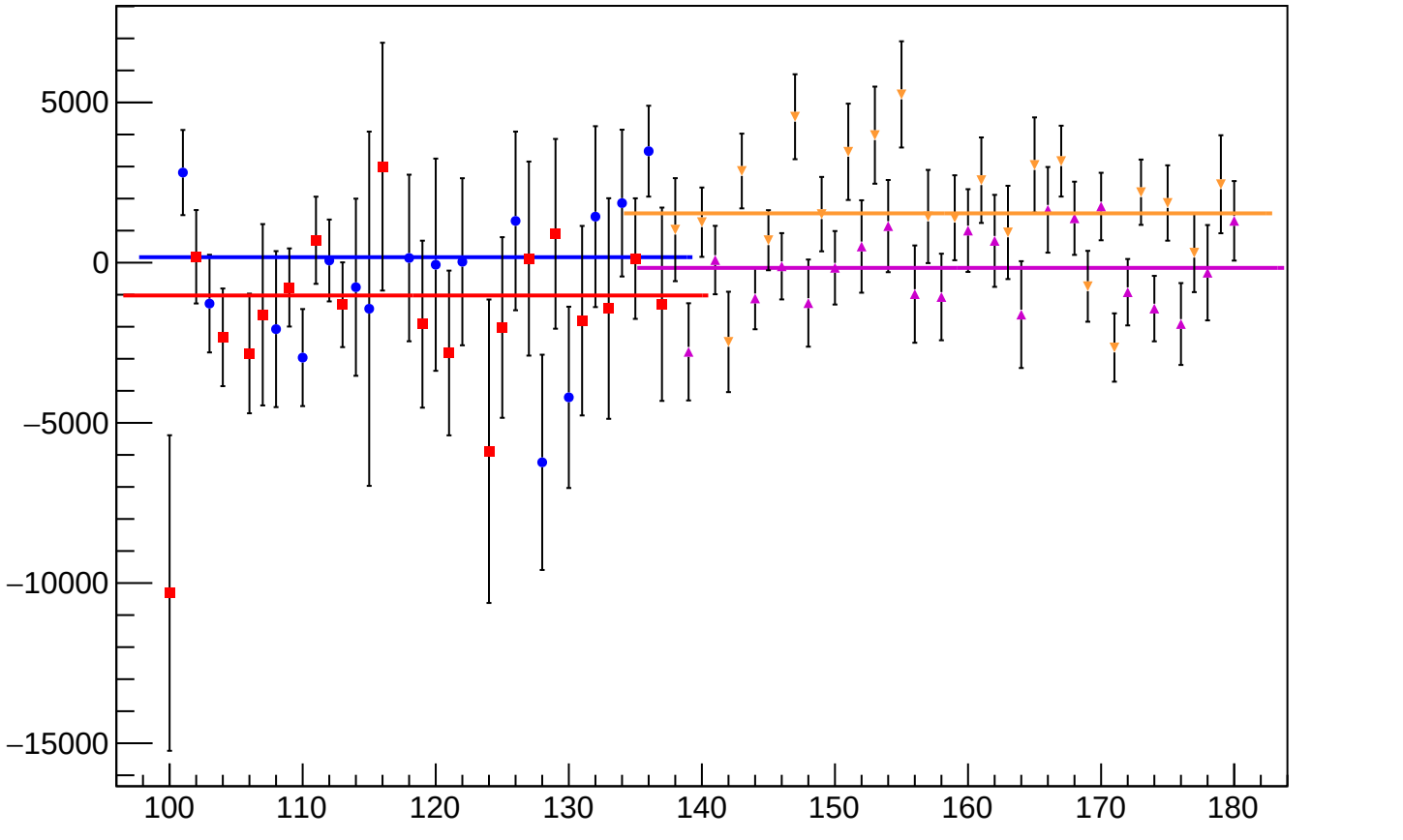
Left: 1112.586+/-0.135 χ^2/NDF: 1580810.9/42

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1155.863+/-0.169 χ^2/NDF:2110248.0/36

Out: 1138.985+/-0.166 χ^2/NDF:2352283.3/40

All: 1147.227+/-0.118 χ^2/NDF: 4467607.7/77



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1539.411+/-268.336 χ^2/NDF:48.7/21

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -163.050+/-268.782 χ^2/NDF:20.7/20

Left: 689.594+/-189.900 χ^2/NDF: 89.5/42

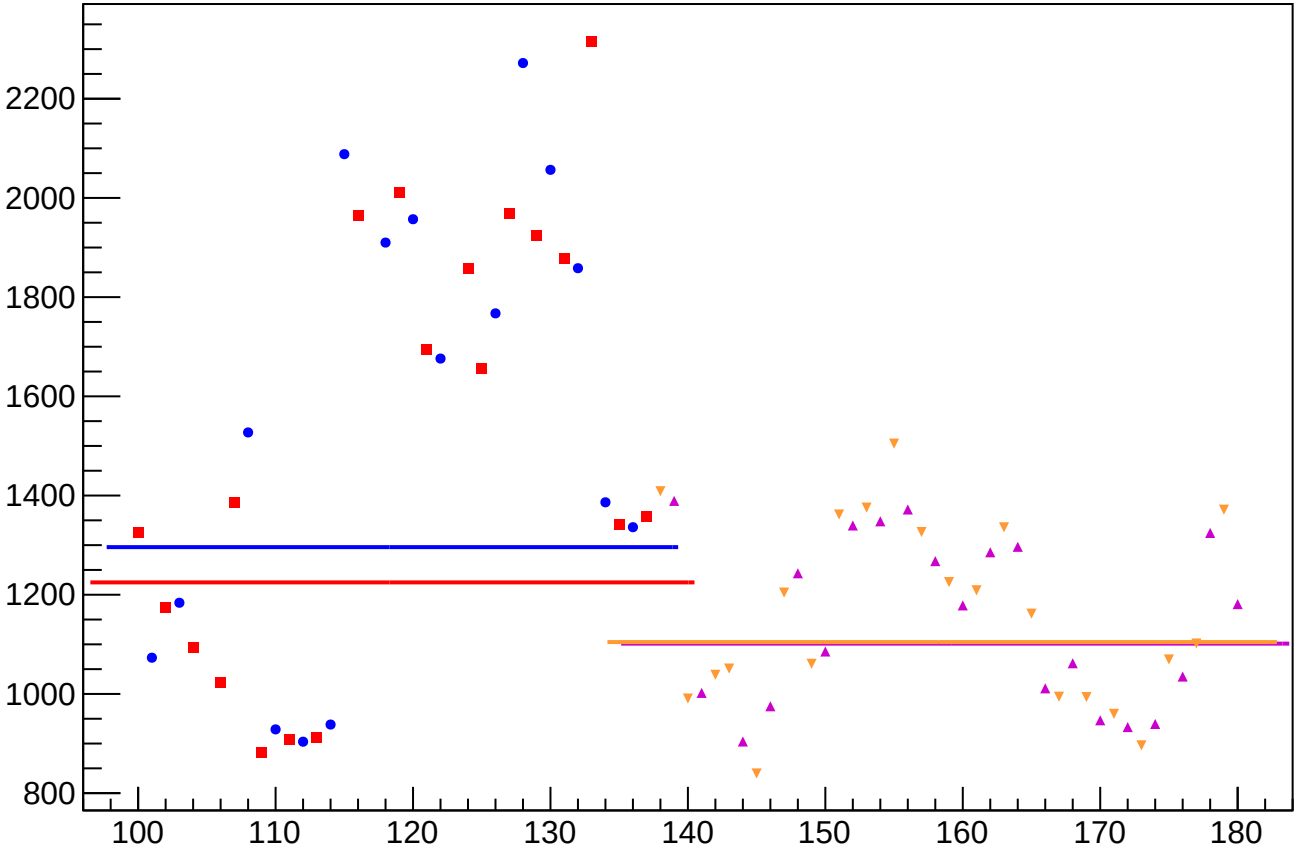
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -89.328+/-237.282 χ^2/NDF:43.6/36

Out: 913.367+/-233.275 χ^2/NDF:82.6/40

All: 420.558+/-166.349 χ^2/NDF: 135.3/77

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1104.578+/-0.190 χ^2/NDF:866245.2/21

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1101.444+/-0.190 χ^2/NDF:715743.2/20

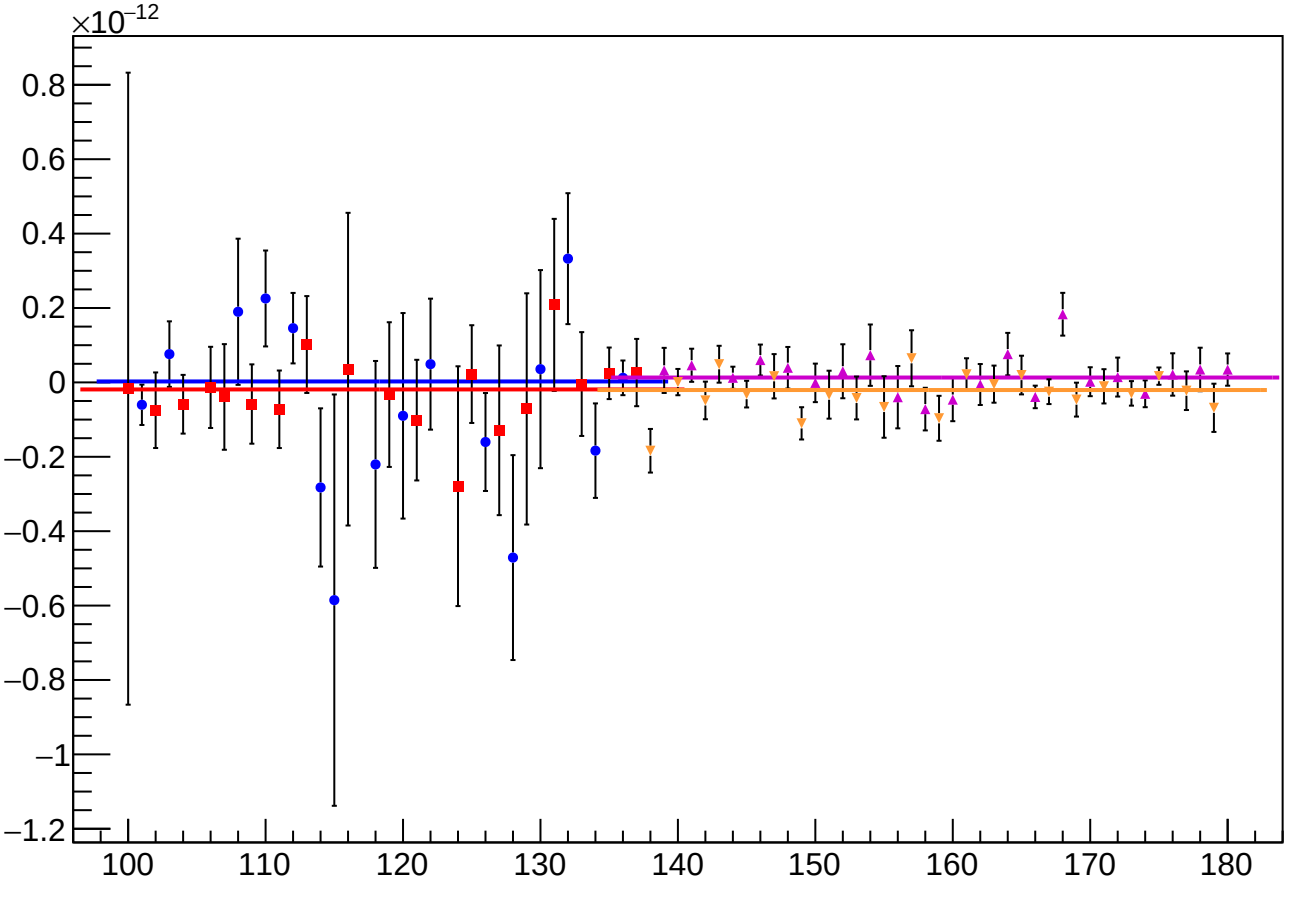
Left: 1103.014+/-0.134 χ^2/NDF: 1582124.6/42

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1144.371+/-0.168 χ^2/NDF:2101122.5/36

Out: 1133.960+/-0.165 χ^2/NDF:2335703.2/40

All: 1139.077+/-0.118 χ^2/NDF: 4438783.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.5/20

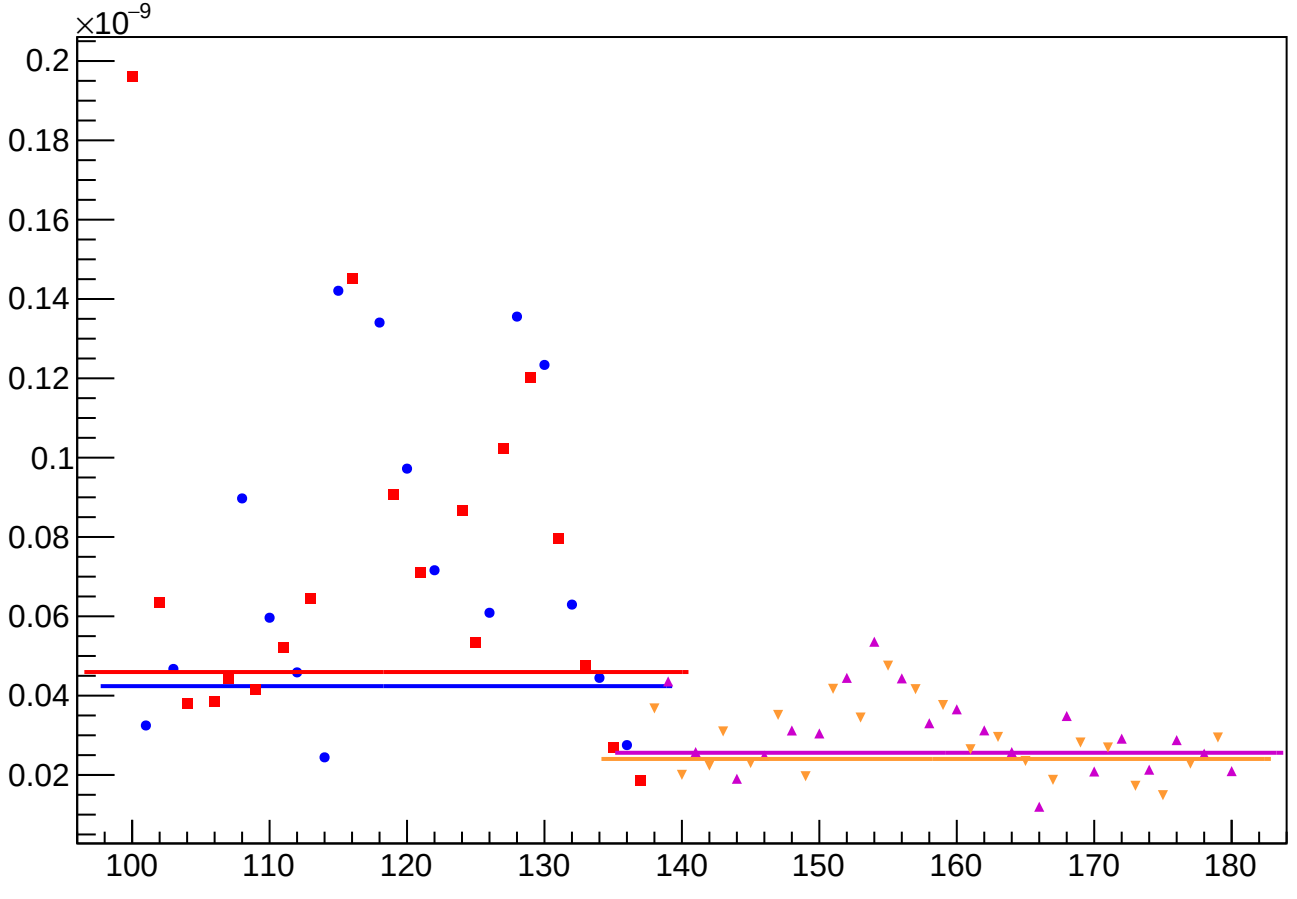
Left: -0.000+/-0.000 χ^2/NDF: 50.9/42

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.8/36

Out: -0.000+/-0.000 χ^2/NDF:28.5/40

All: -0.000+/-0.000 χ^2/NDF: 78.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1355208.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1454185.4/20

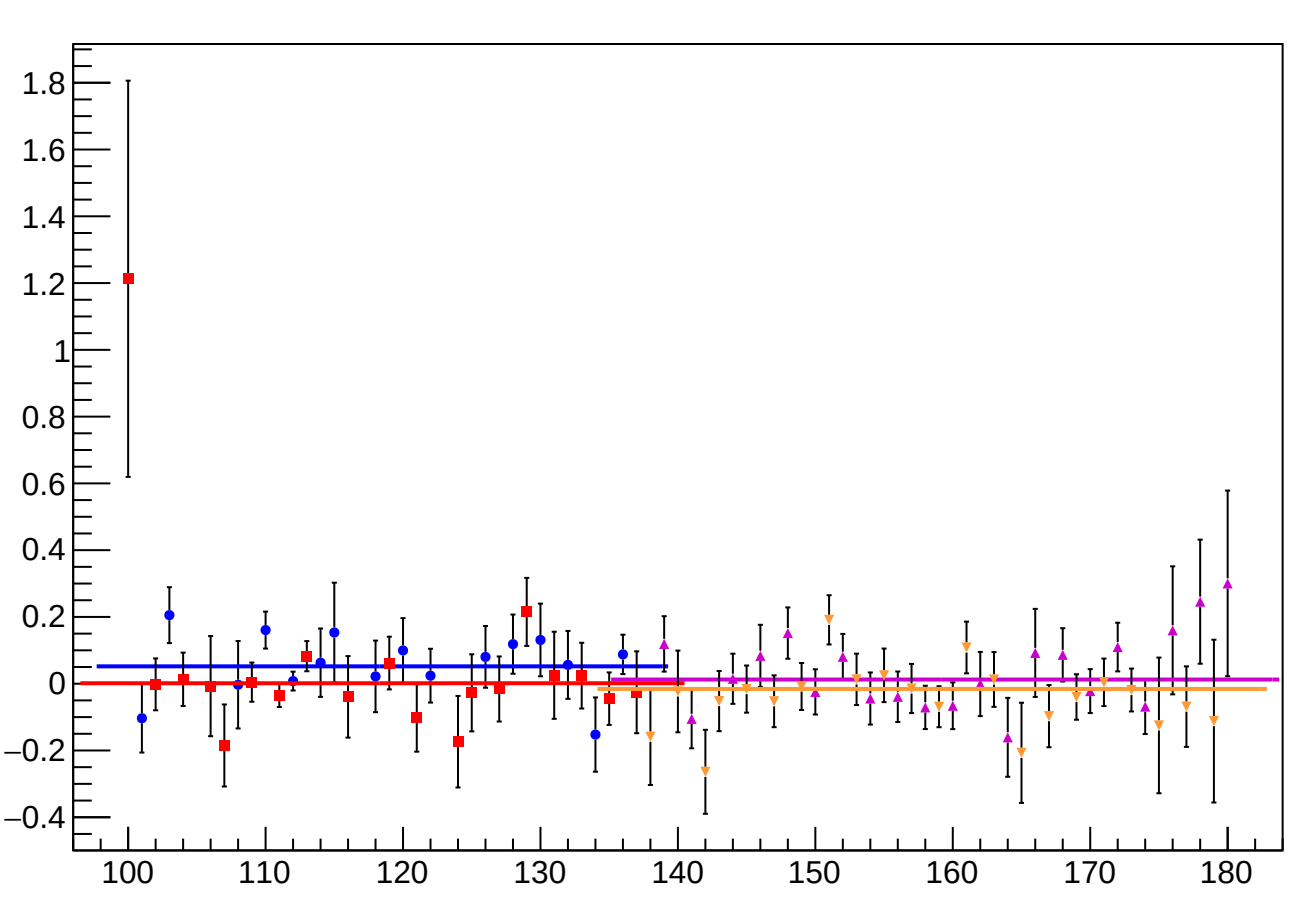
Left: 0.000+/-0.000 χ^2/NDF: 2833853.4/42

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3476965.0/36

Out: 0.000+/-0.000 χ^2/NDF:3513557.9/40

All: 0.000+/-0.000 χ^2/NDF: 7020940.2/77



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.018 χ^2/NDF:22.2/20

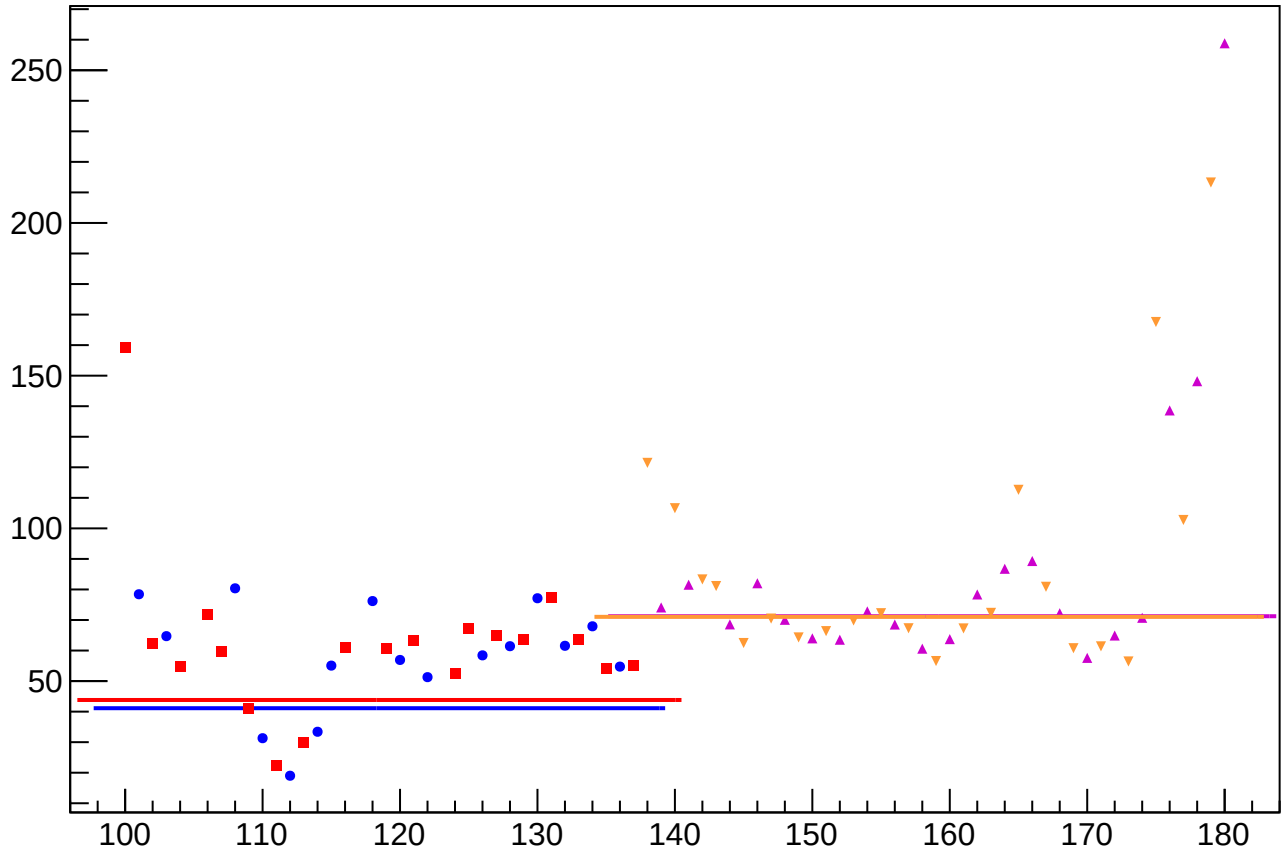
Left: -0.002+/-0.013 χ^2/NDF: 43.6/42

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:42.5/36

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 87.3/77



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

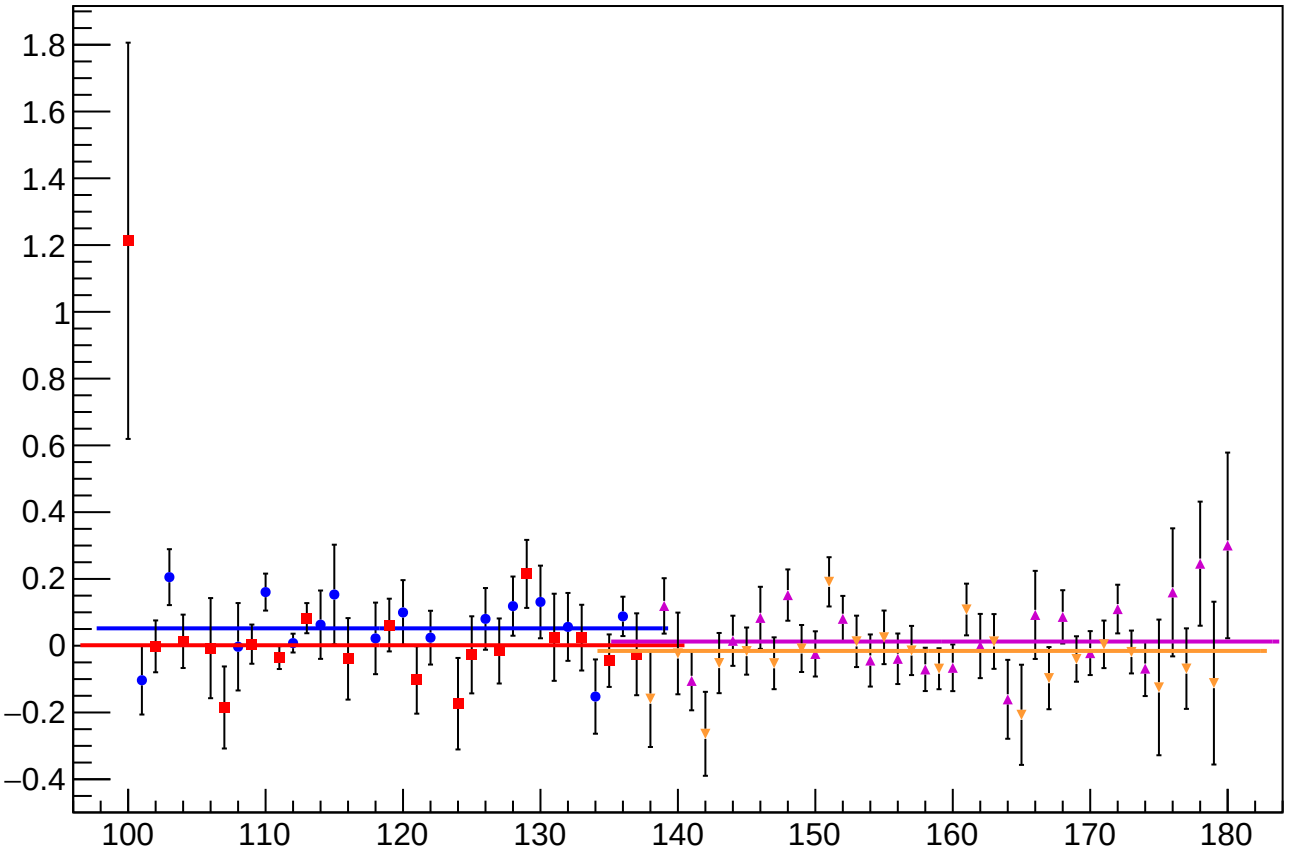
Left: 71.134+/-0.009 χ^2/NDF: 4138862.6/42

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.715+/-0.009 χ^2/NDF:7580603.7/36

Out: 57.329+/-0.009 χ^2/NDF:6604668.4/40

All: 56.524+/-0.006 χ^2/NDF: 14201306.5/77



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.018 χ^2/NDF:22.2/20

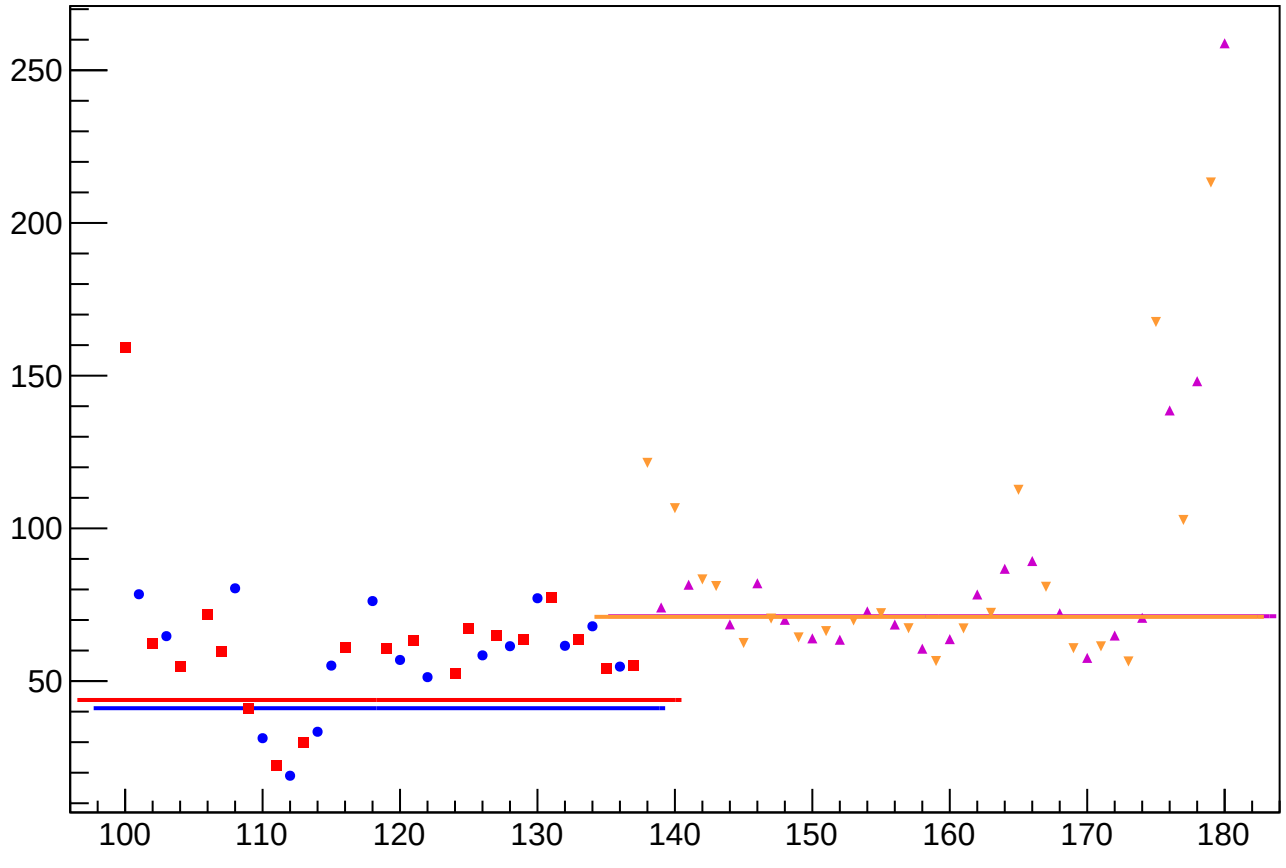
Left: -0.002+/-0.013 χ^2/NDF: 43.6/42

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:42.5/36

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 87.3/77



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 71.235+/-0.013 χ^2/NDF:1872123.6/20

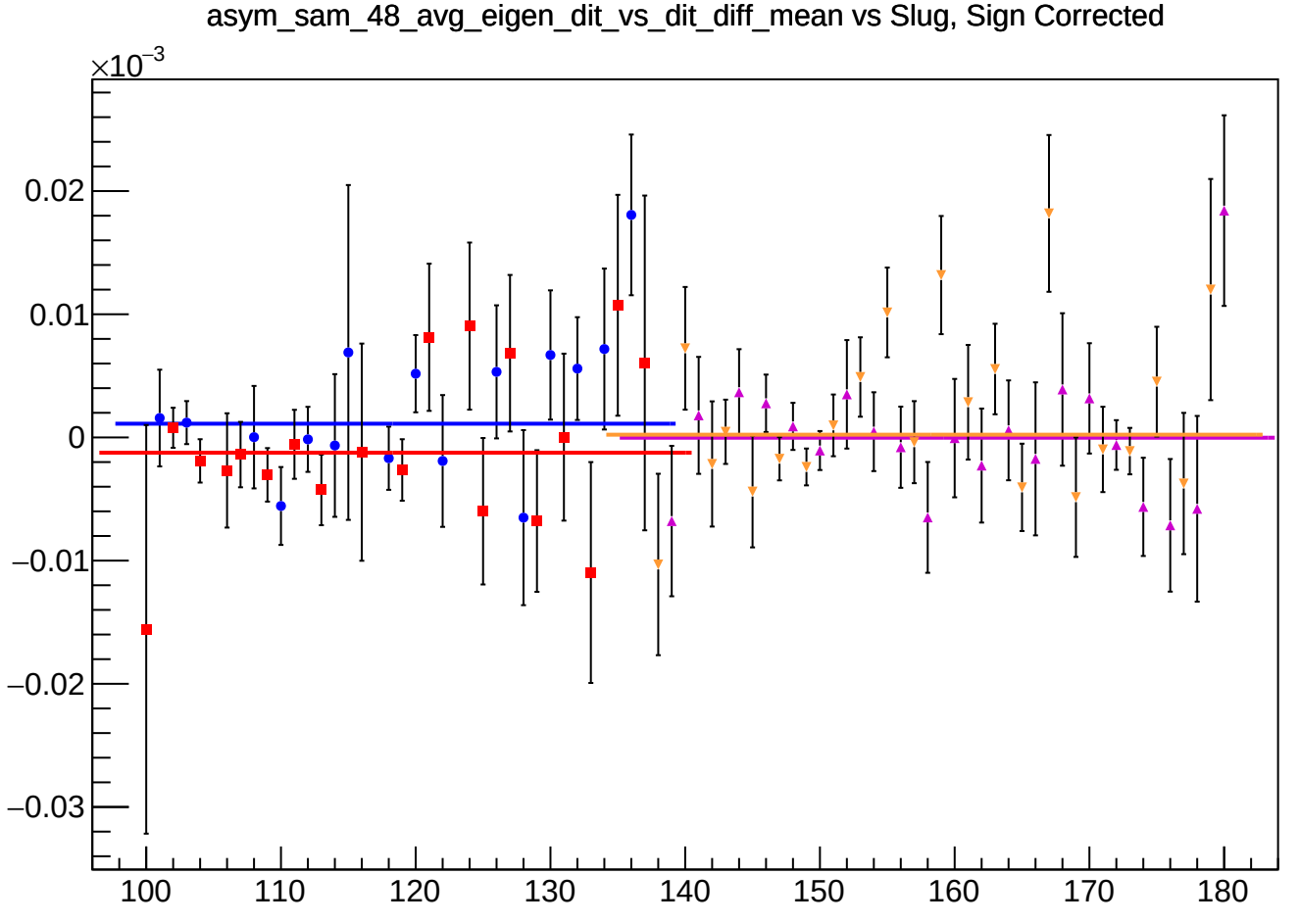
Left: 71.134+/-0.009 χ^2/NDF: 4138862.6/42

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.715+/-0.009 χ^2/NDF:7580603.7/36

Out: 57.329+/-0.009 χ^2/NDF:6604668.4/40

All: 56.524+/-0.006 χ^2/NDF: 14201306.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/20

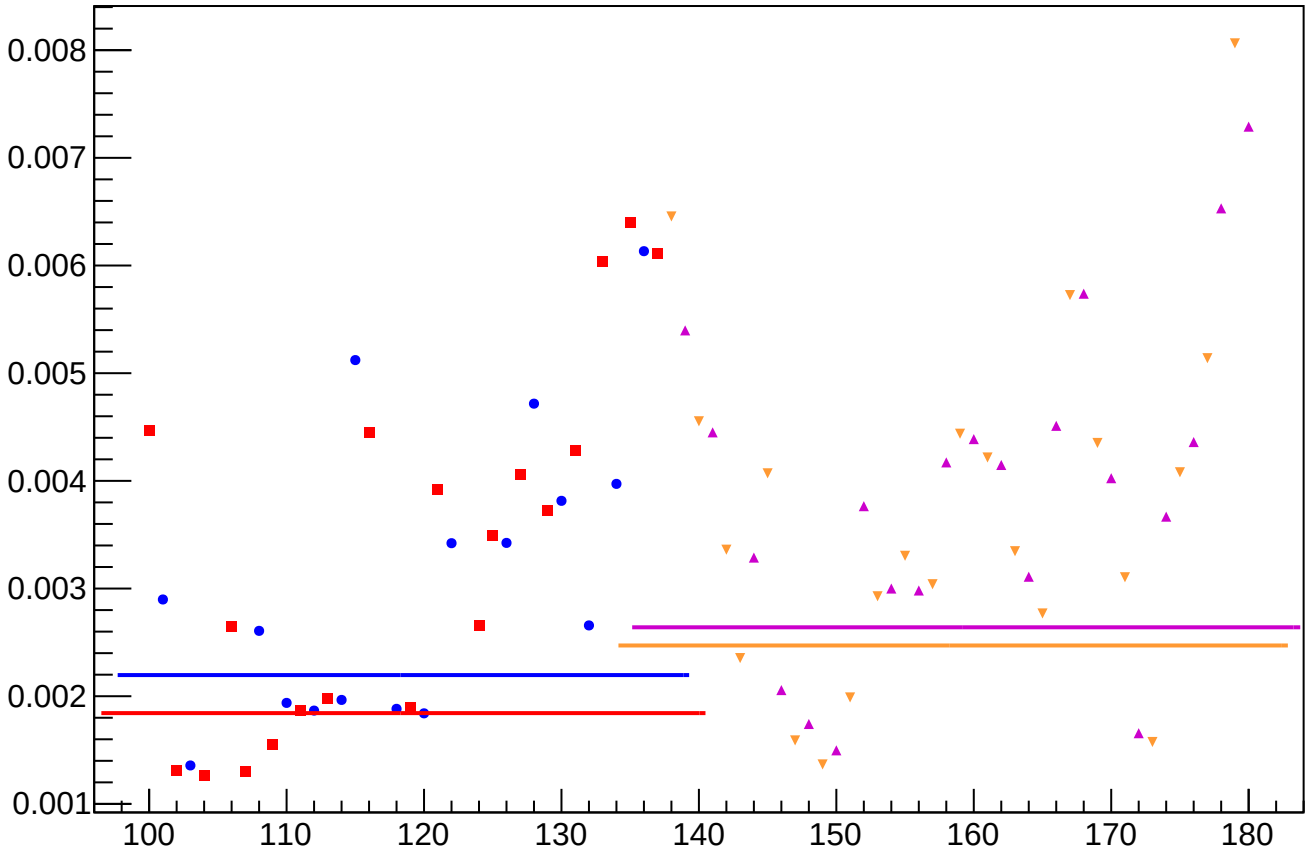
Left: 0.000+/-0.000 χ^2/NDF: 62.0/42

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:39.6/36

Out: -0.000+/-0.000 χ^2/NDF:61.3/40

All: -0.000+/-0.000 χ^2/NDF: 102.0/77



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6681255.3/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:6231379.4/20

Left: 0.003+/-0.000 χ^2/NDF: 12971918.4/42

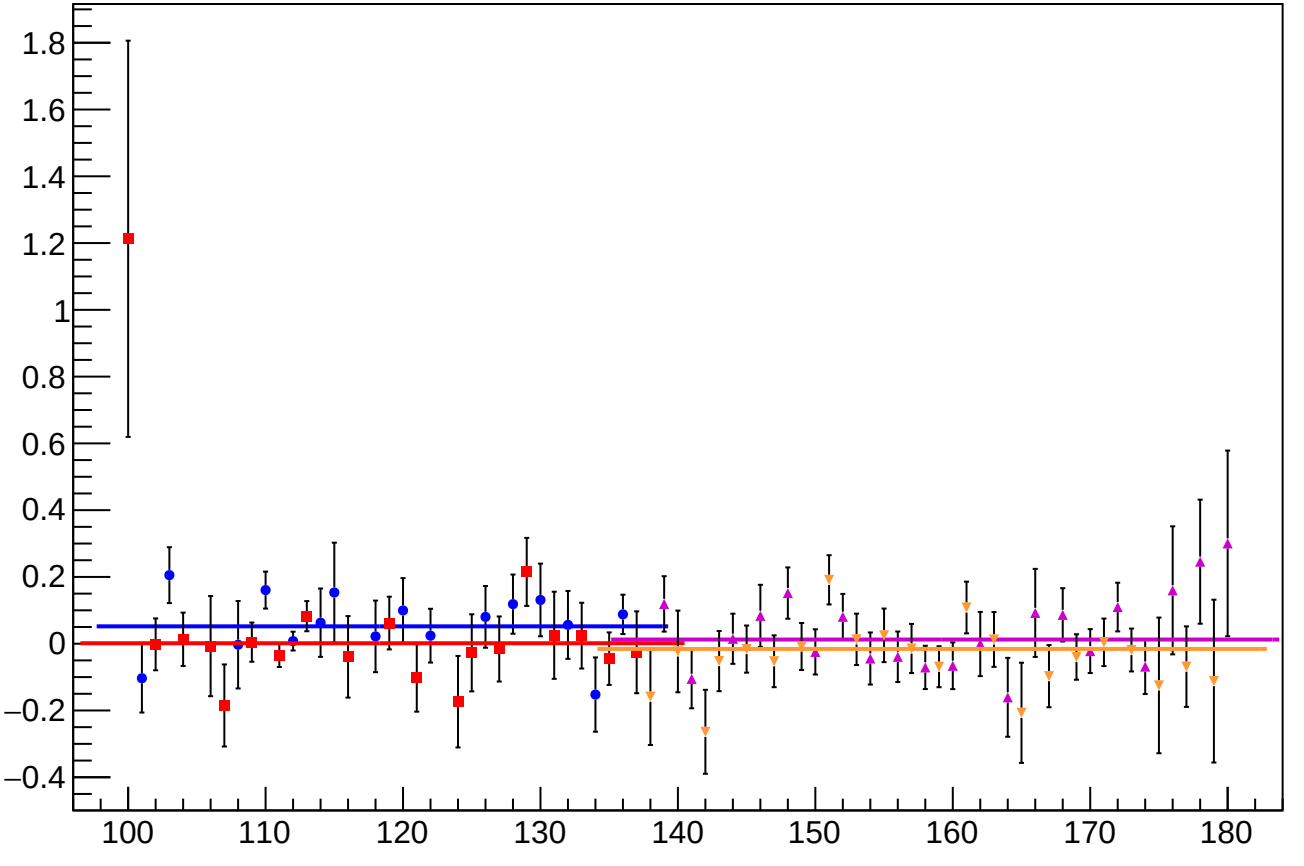
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:8817582.0/36

Out: 0.002+/-0.000 χ^2/NDF:10587138.1/40

All: 0.002+/-0.000 χ^2/NDF: 19658231.7/77

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.018 χ^2/NDF:22.2/20

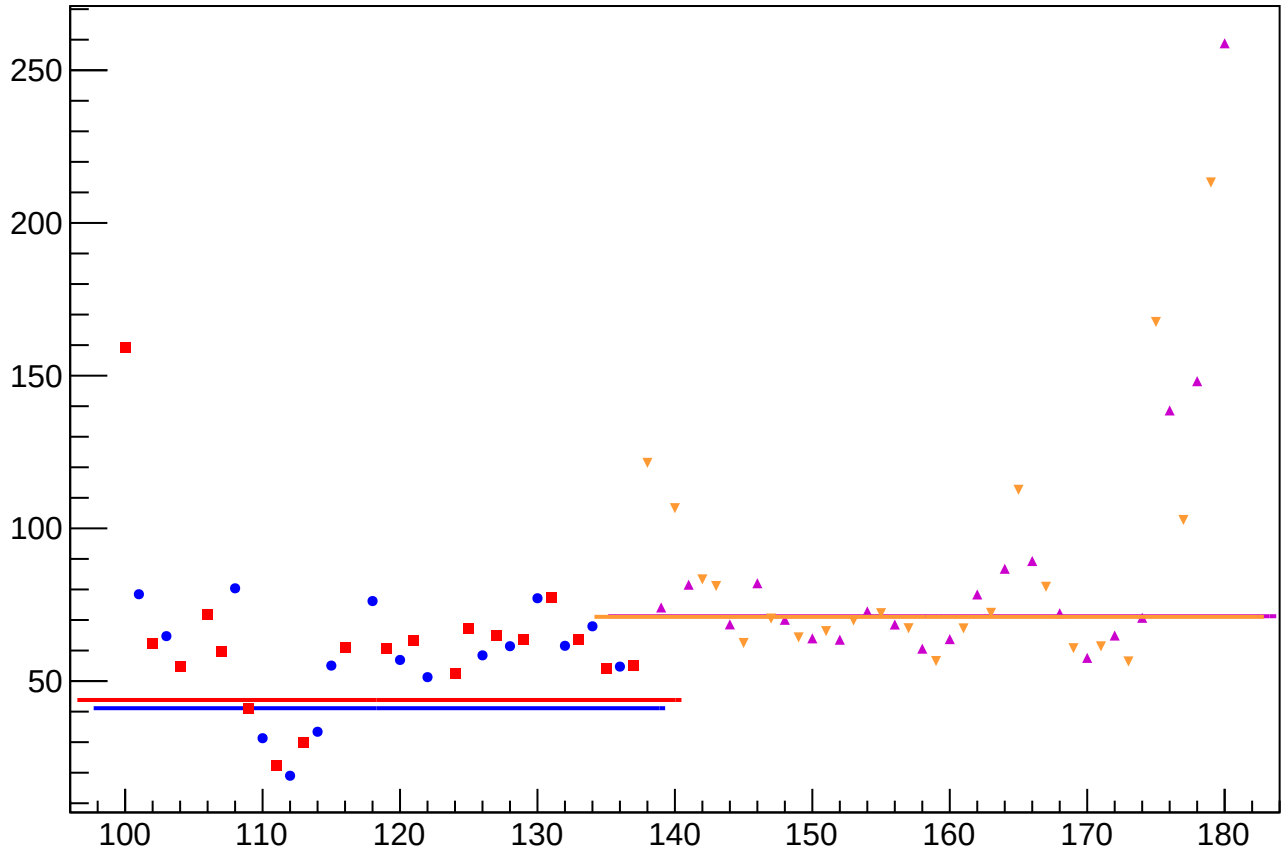
Left: -0.002+/-0.013 χ^2/NDF: 43.6/42

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:42.5/36

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 87.3/77



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

Left: 71.135+/-0.009 χ^2/NDF: 4138757.7/42

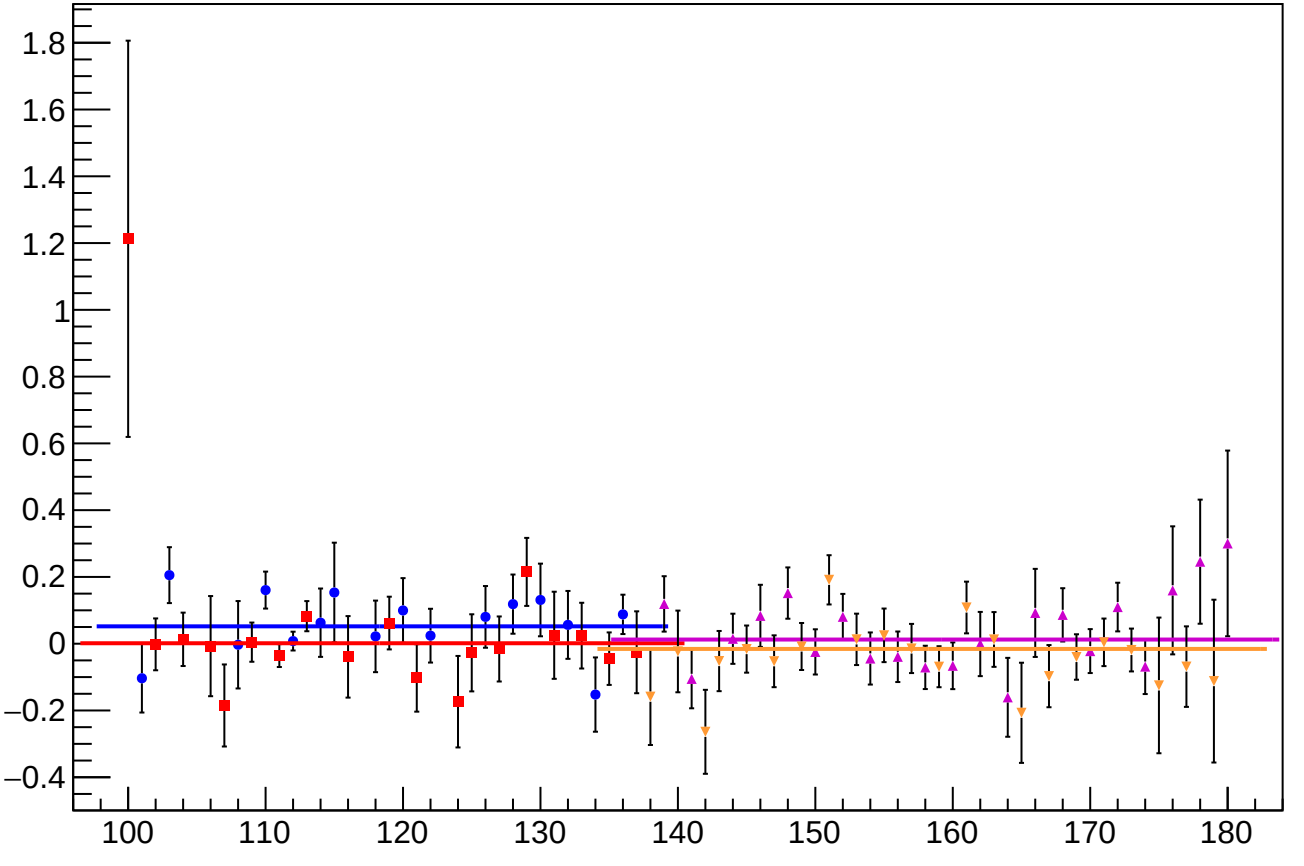
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.715+/-0.009 χ^2/NDF:7581002.0/36

Out: 57.328+/-0.009 χ^2/NDF:6605065.7/40

All: 56.524+/-0.006 χ^2/NDF: 14202103.8/77

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: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.018 χ^2/NDF:22.2/20

Left: -0.002+/-0.013 χ^2/NDF: 43.6/42

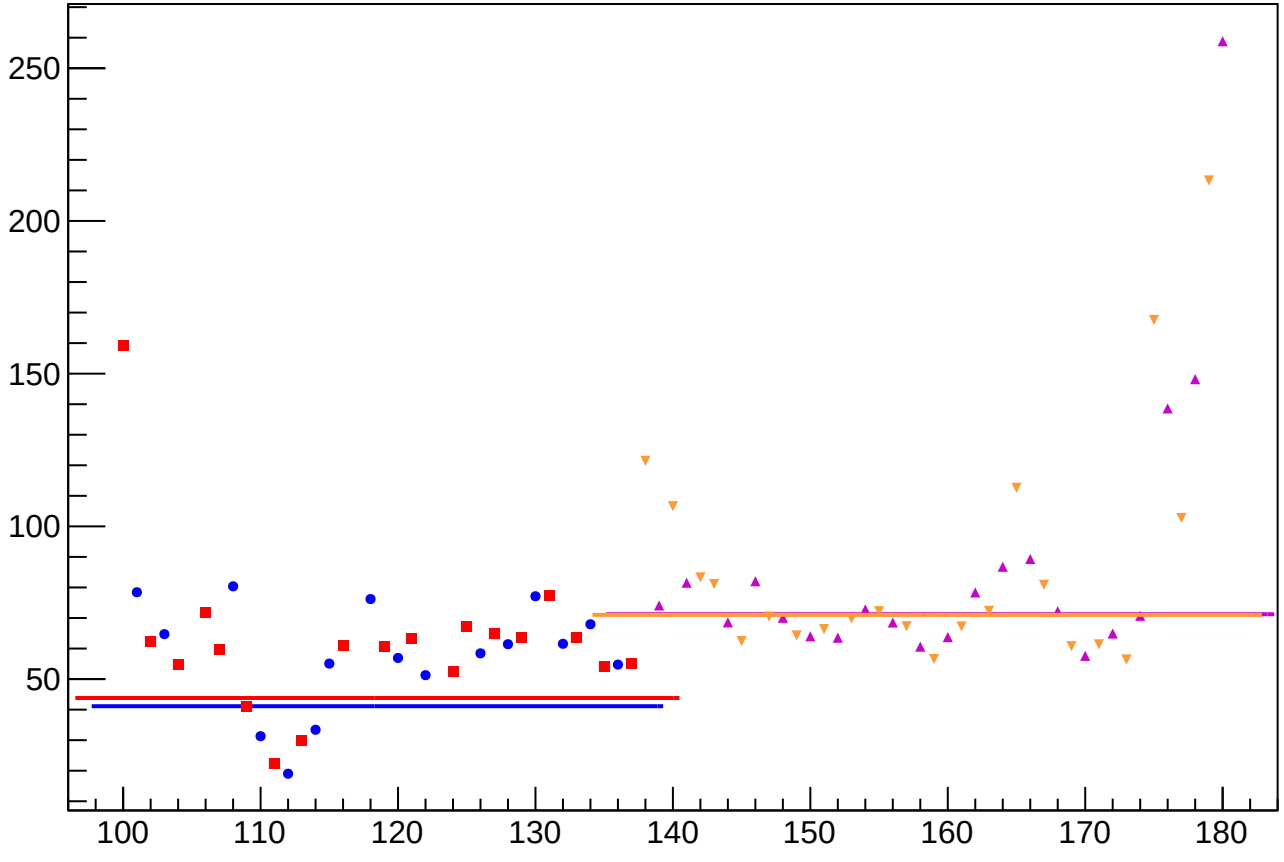
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:42.5/36

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 87.3/77

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 71.235+/-0.013 χ^2/NDF:1872061.2/20

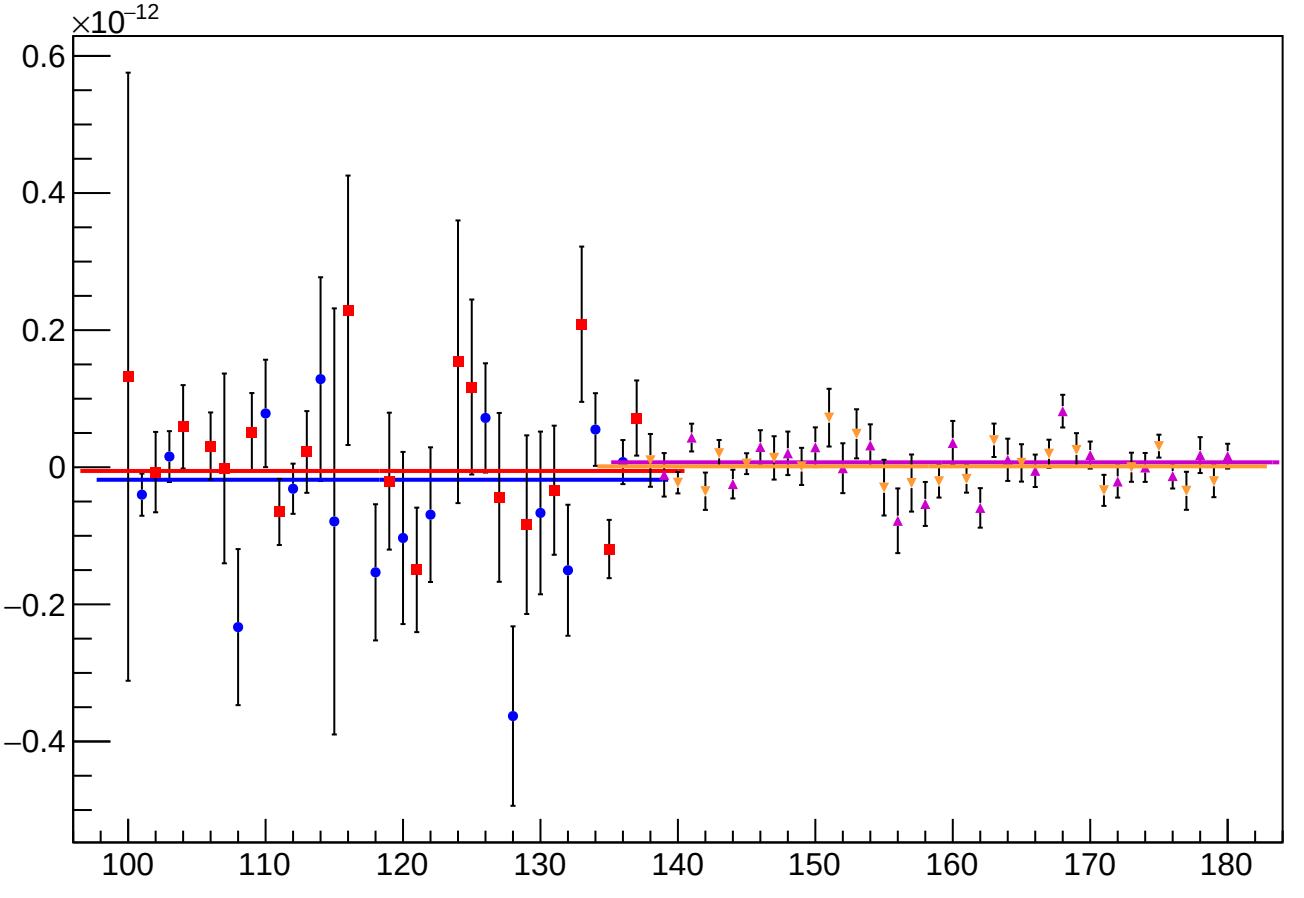
Left: 71.135+/-0.009 χ^2/NDF: 4138757.7/42

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.715+/-0.009 χ^2/NDF:7581002.0/36

Out: 57.328+/-0.009 χ^2/NDF:6605065.7/40

All: 56.524+/-0.006 χ^2/NDF: 14202103.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.5/20

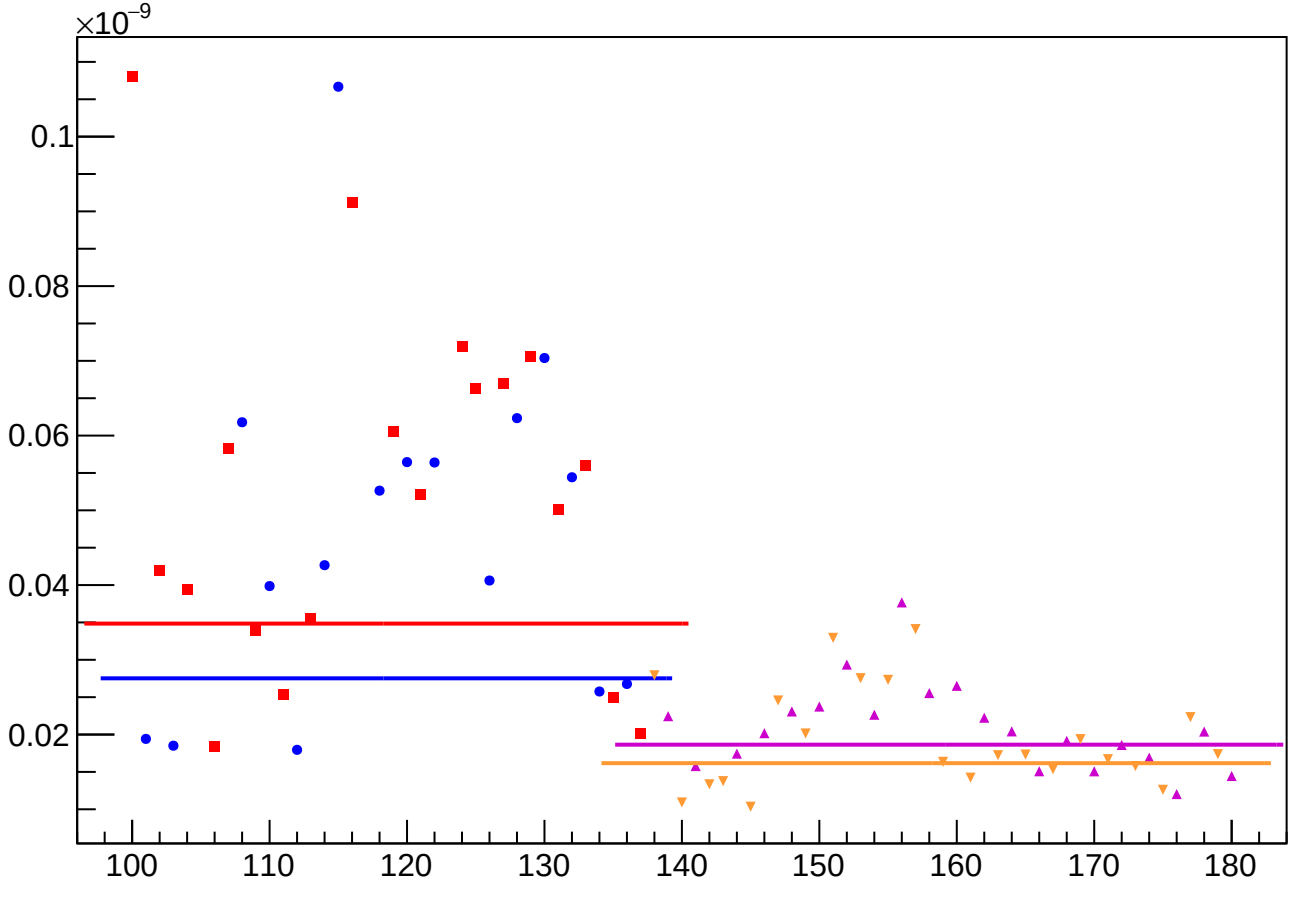
Left: 0.000+/-0.000 χ^2/NDF: 60.0/42

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:60.3/36

Out: 0.000+/-0.000 χ^2/NDF:48.3/40

All: 0.000+/-0.000 χ^2/NDF: 108.7/77



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2243689.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1473148.0/20

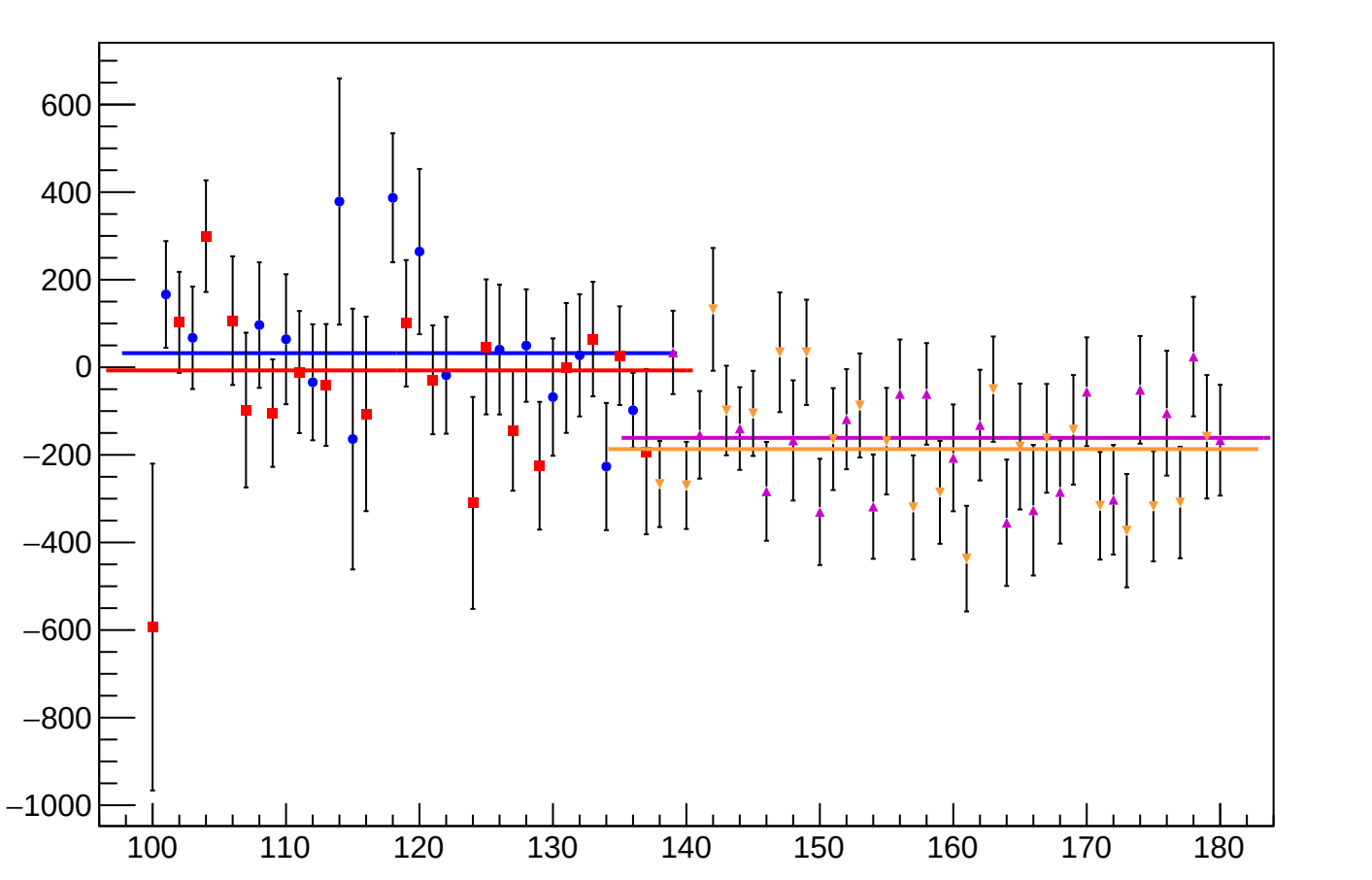
Left: 0.000+/-0.000 χ^2/NDF: 3941217.6/42

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3936964.4/36

Out: 0.000+/-0.000 χ^2/NDF:6219151.5/40

All: 0.000+/-0.000 χ^2/NDF: 10328906.1/77



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -161.179+/-26.139 χ^2/NDF:19.8/20

Left: -174.338+/-18.212 χ^2/NDF: 48.0/42

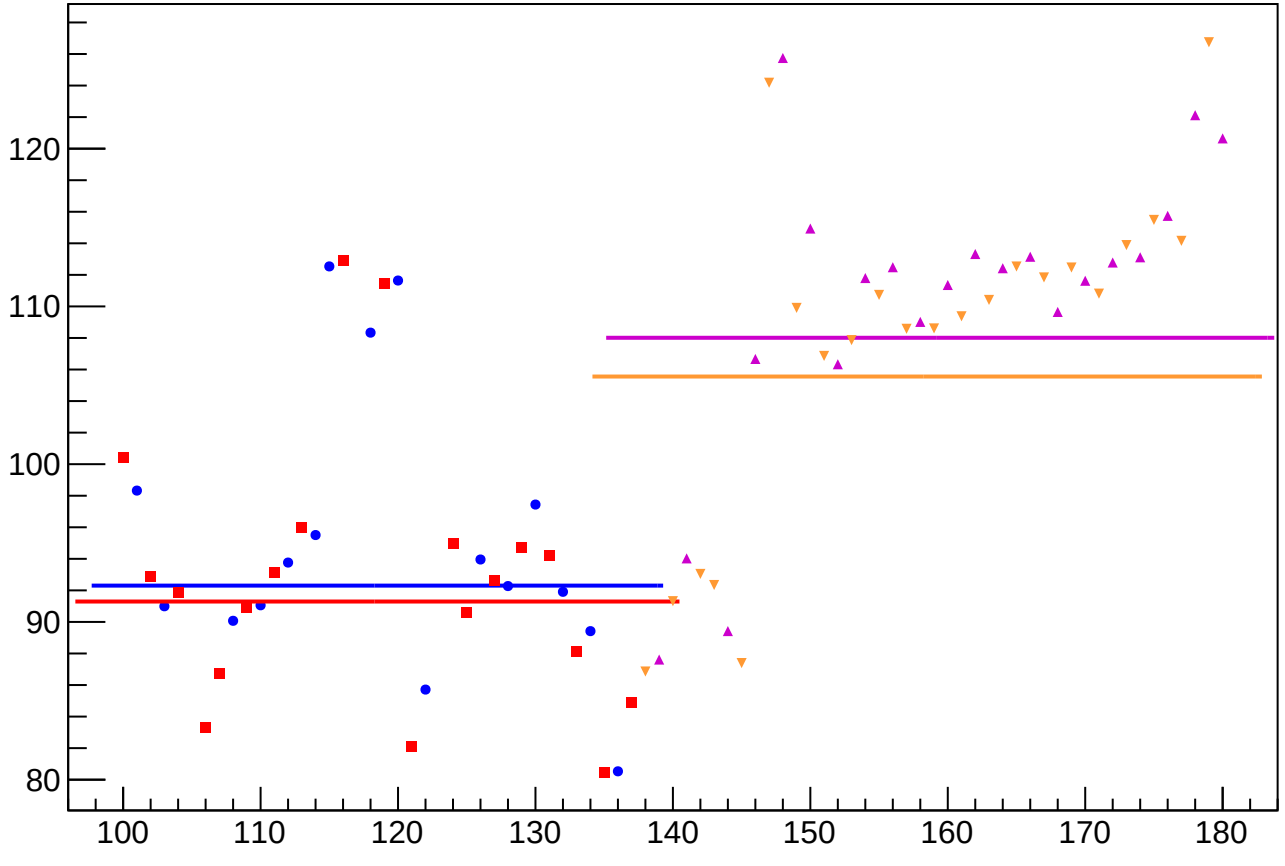
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -90.436+/-20.819 χ^2/NDF:57.1/36

Out: -120.999+/-20.217 χ^2/NDF:63.8/40

All: -106.165+/-14.504 χ^2/NDF: 122.0/77

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

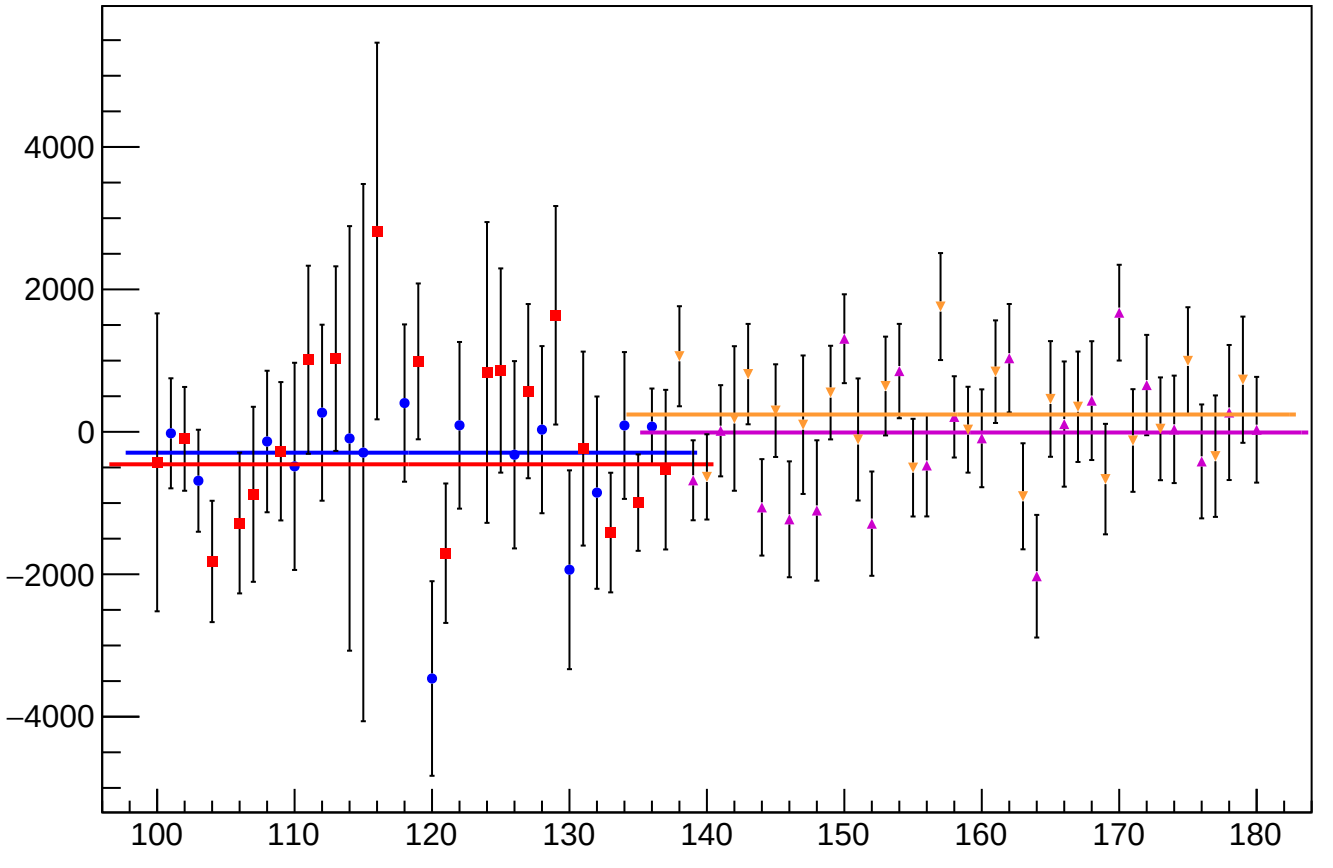
Left: 106.748+/-0.013 χ^2/NDF: 707261.7/42

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 102.268+/-0.015 χ^2/NDF:690006.1/36

Out: 100.337+/-0.014 χ^2/NDF:715430.8/40

All: 101.274+/-0.010 χ^2/NDF: 1414296.4/77



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.427+/-157.229 χ^2/NDF:16.9/21

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -9.354+/-157.210 χ^2/NDF:32.3/20

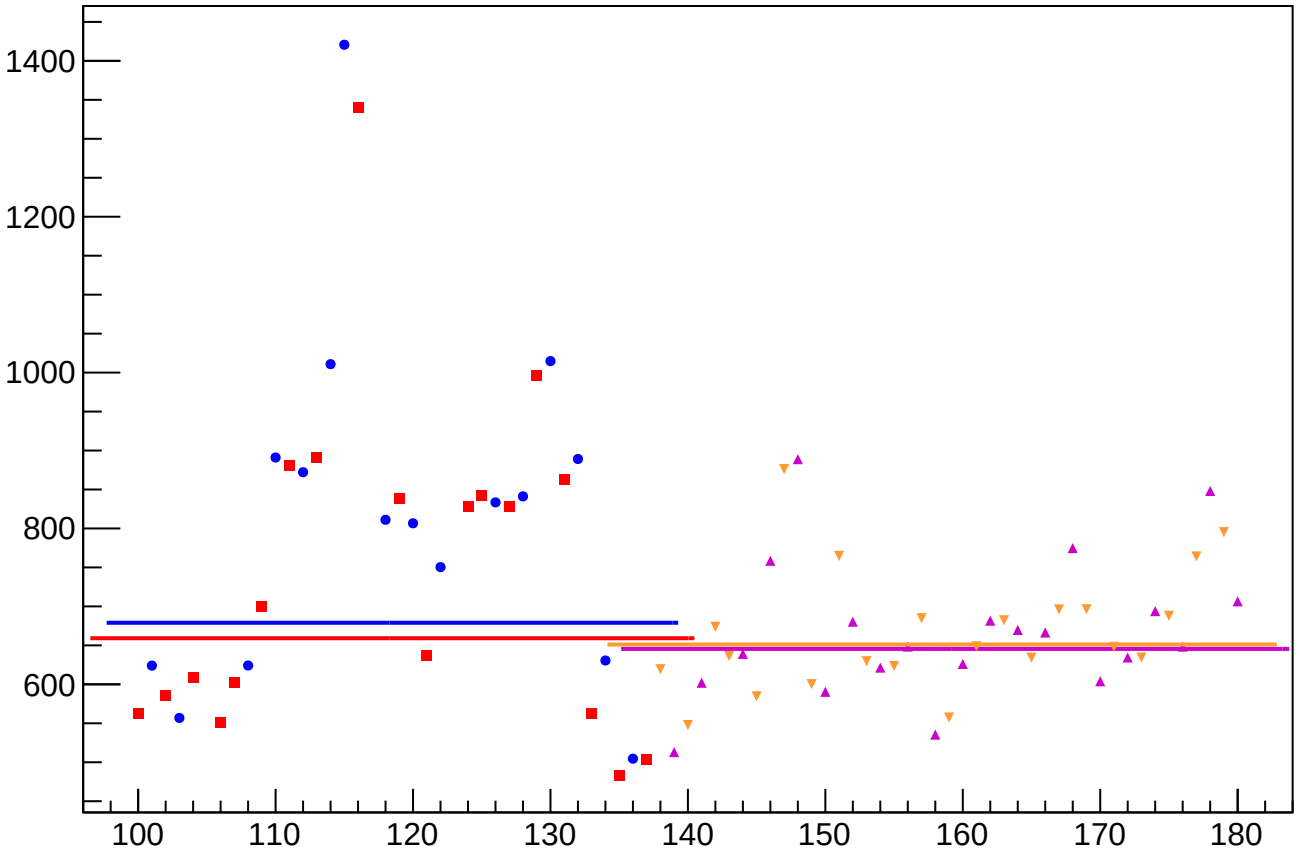
Left: 117.021+/-111.171 χ^2/NDF: 50.5/42

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -85.359+/-134.487 χ^2/NDF:42.0/36

Out: 43.773+/-132.900 χ^2/NDF:39.4/40

All: -20.027+/-94.531 χ^2/NDF: 81.9/77



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 651.054+/-0.111 χ^2/NDF:410129.7/21

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 645.433+/-0.111 χ^2/NDF:556482.4/20

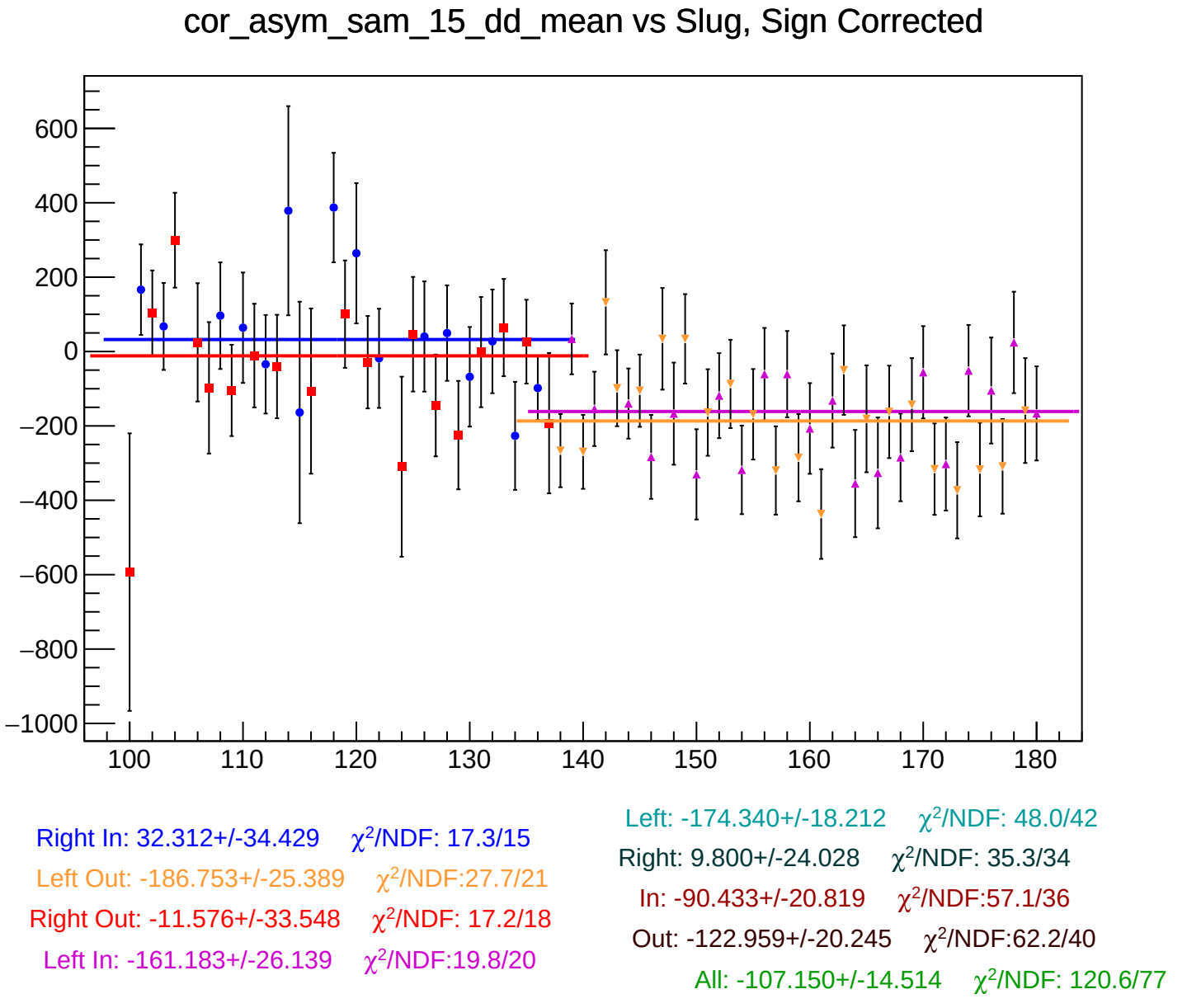
Left: 648.243+/-0.079 χ^2/NDF: 967890.7/42

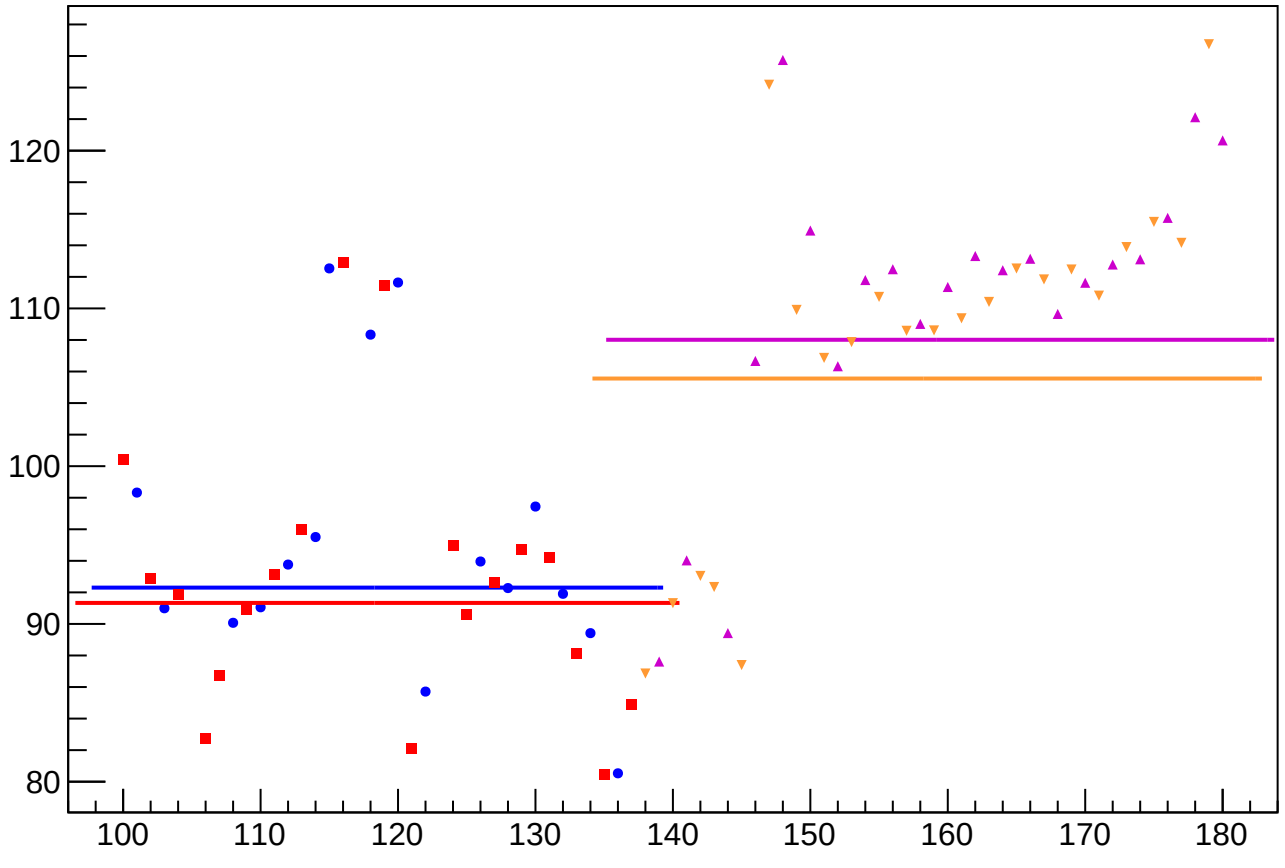
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 654.436+/-0.095 χ^2/NDF:1348923.8/36

Out: 653.361+/-0.094 χ^2/NDF:1207515.2/40

All: 653.892+/-0.067 χ^2/NDF: 2556503.5/77


cor_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
180
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -186.753+/-25.389 χ²/NDF:27.7/21
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -161.183+/-26.139 χ²/NDF:19.8/20
Left: -174.340+/-18.212 χ²/NDF: 48.0/42
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -90.433+/-20.819 χ²/NDF:57.1/36
Out: -122.959+/-20.245 χ²/NDF:62.2/40
All: -107.150+/-14.514 χ²/NDF: 120.6/77



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

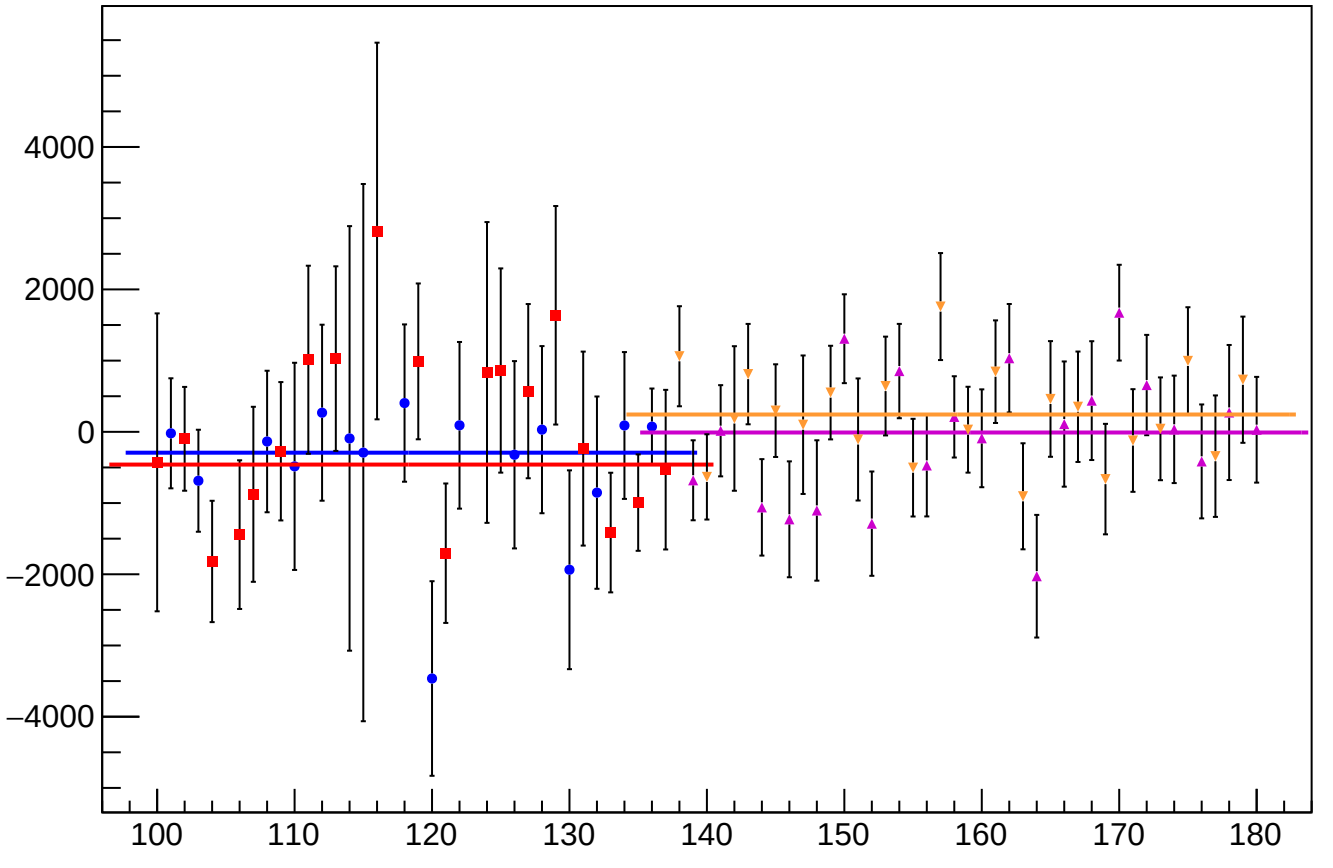
Left: 106.748+/-0.013 χ^2/NDF: 707261.7/42

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.268+/-0.015 χ^2/NDF:690006.0/36

Out: 100.376+/-0.014 χ^2/NDF:712895.0/40

All: 101.296+/-0.010 χ^2/NDF: 1411391.5/77



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.424+/-157.229 χ^2/NDF:16.9/21

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -9.354+/-157.210 χ^2/NDF:32.3/20

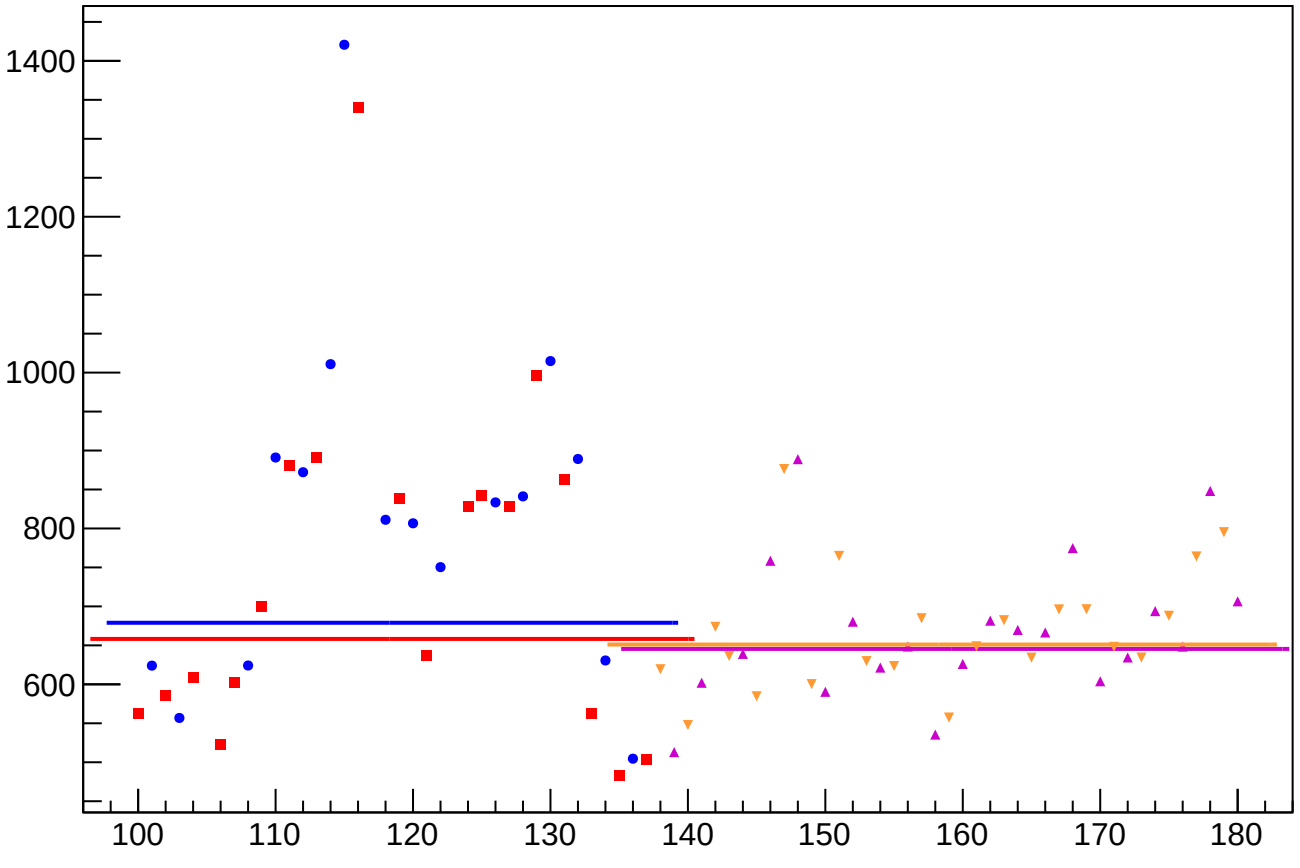
Left: 117.020+/-111.171 χ^2/NDF: 50.5/42

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -85.359+/-134.487 χ^2/NDF:42.0/36

Out: 43.645+/-133.026 χ^2/NDF:39.7/40

All: -20.152+/-94.576 χ^2/NDF: 82.1/77



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

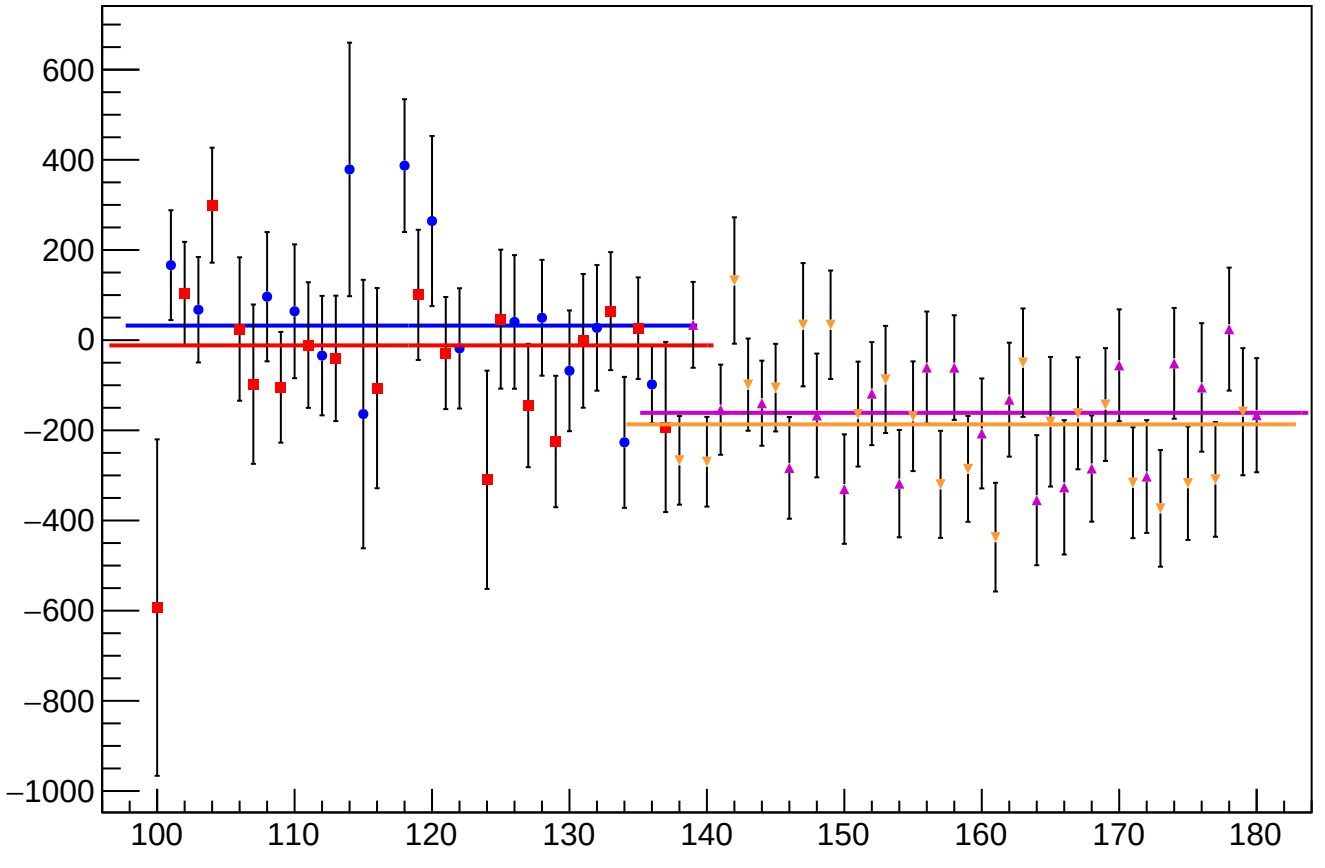
Left: 648.243+/-0.079 χ^2/NDF: 967892.5/42

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 654.436+/-0.095 χ^2/NDF:1348926.4/36

Out: 653.103+/-0.094 χ^2/NDF:1217222.8/40

All: 653.762+/-0.067 χ^2/NDF: 2566248.5/77



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -161.183+/-26.139 χ^2/NDF:19.8/20

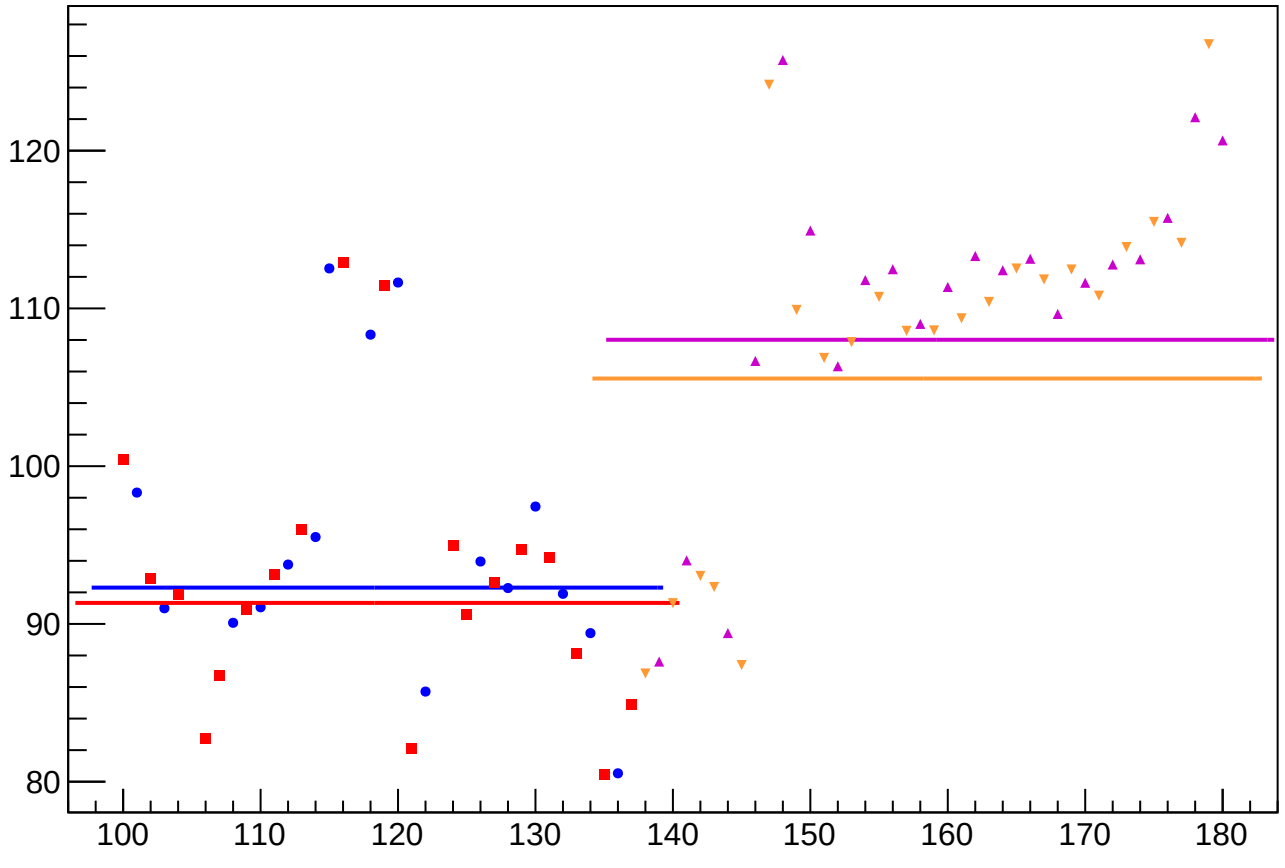
Left: -174.340+/-18.212 χ^2/NDF: 48.0/42

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -90.433+/-20.819 χ^2/NDF:57.1/36

Out: -122.959+/-20.245 χ^2/NDF:62.2/40

All: -107.150+/-14.514 χ^2/NDF: 120.6/77



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 108.012+/-0.018 χ^2/NDF:318784.7/20

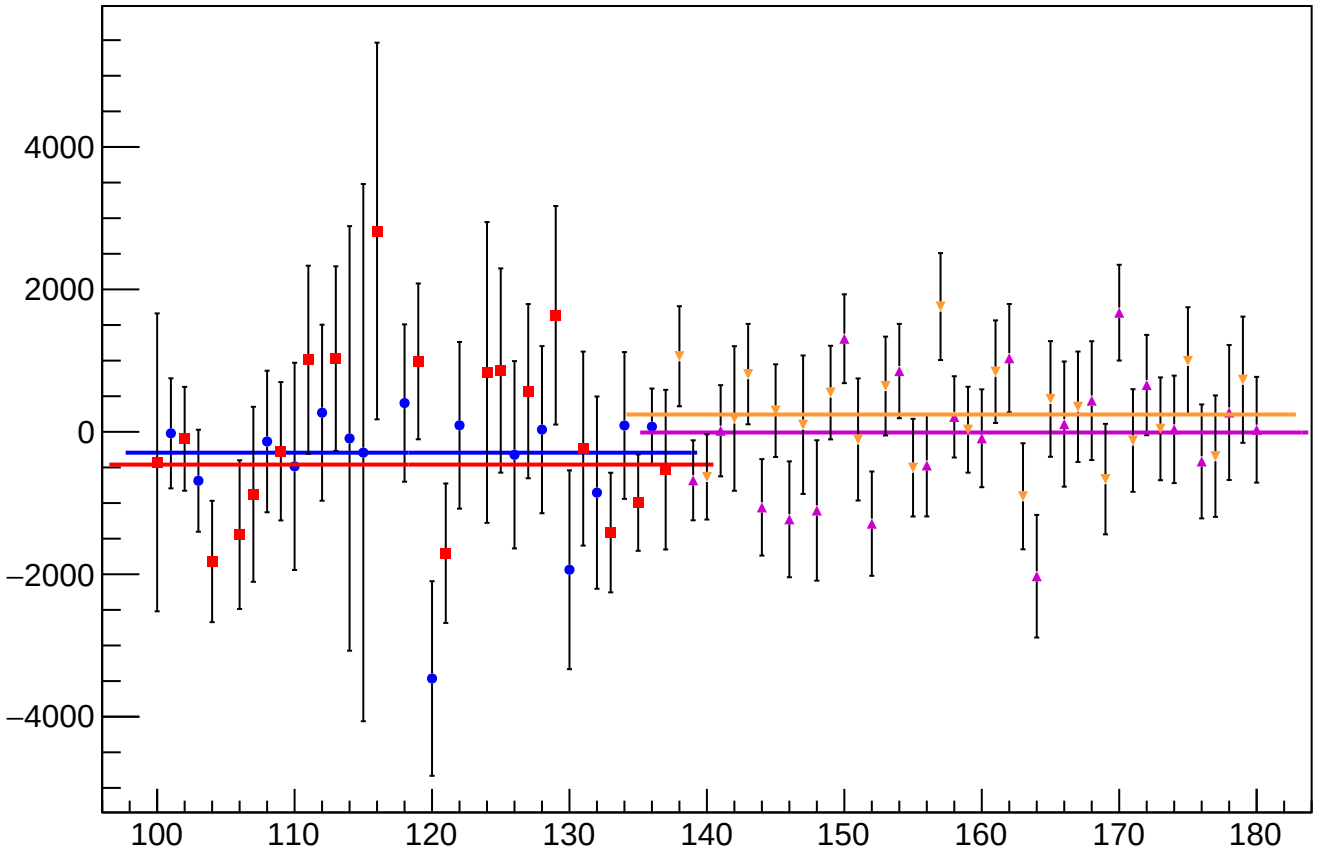
Left: 106.748+/-0.013 χ^2/NDF: 707261.7/42

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 102.268+/-0.015 χ^2/NDF:690006.0/36

Out: 100.376+/-0.014 χ^2/NDF:712895.0/40

All: 101.296+/-0.010 χ^2/NDF: 1411391.5/77



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.424+/-157.229 χ^2/NDF:16.9/21

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -9.354+/-157.210 χ^2/NDF:32.3/20

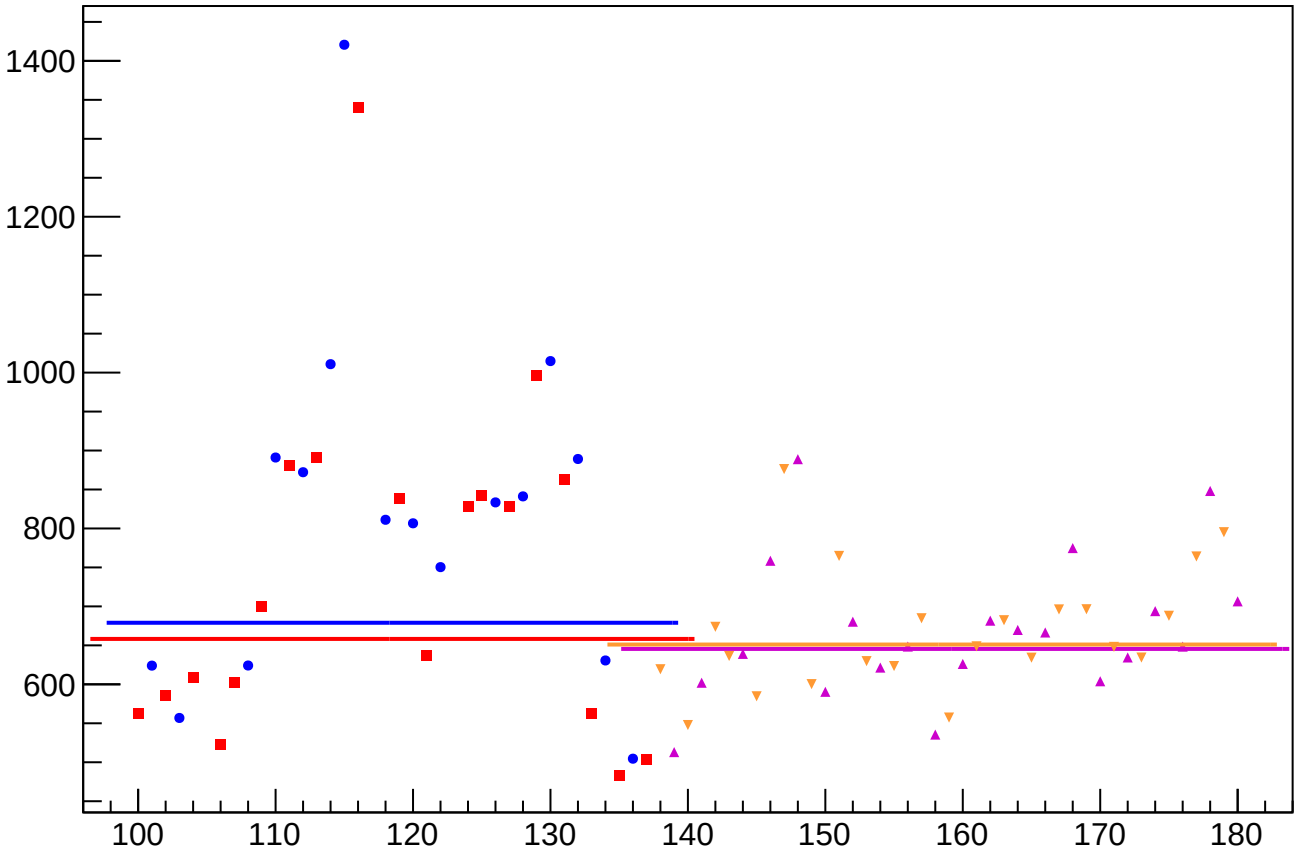
Left: 117.020+/-111.171 χ^2/NDF: 50.5/42

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -85.359+/-134.487 χ^2/NDF:42.0/36

Out: 43.645+/-133.026 χ^2/NDF:39.7/40

All: -20.152+/-94.576 χ^2/NDF: 82.1/77



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 645.433+/-0.111 χ^2/NDF:556483.5/20

Left: 648.243+/-0.079 χ^2/NDF: 967892.5/42

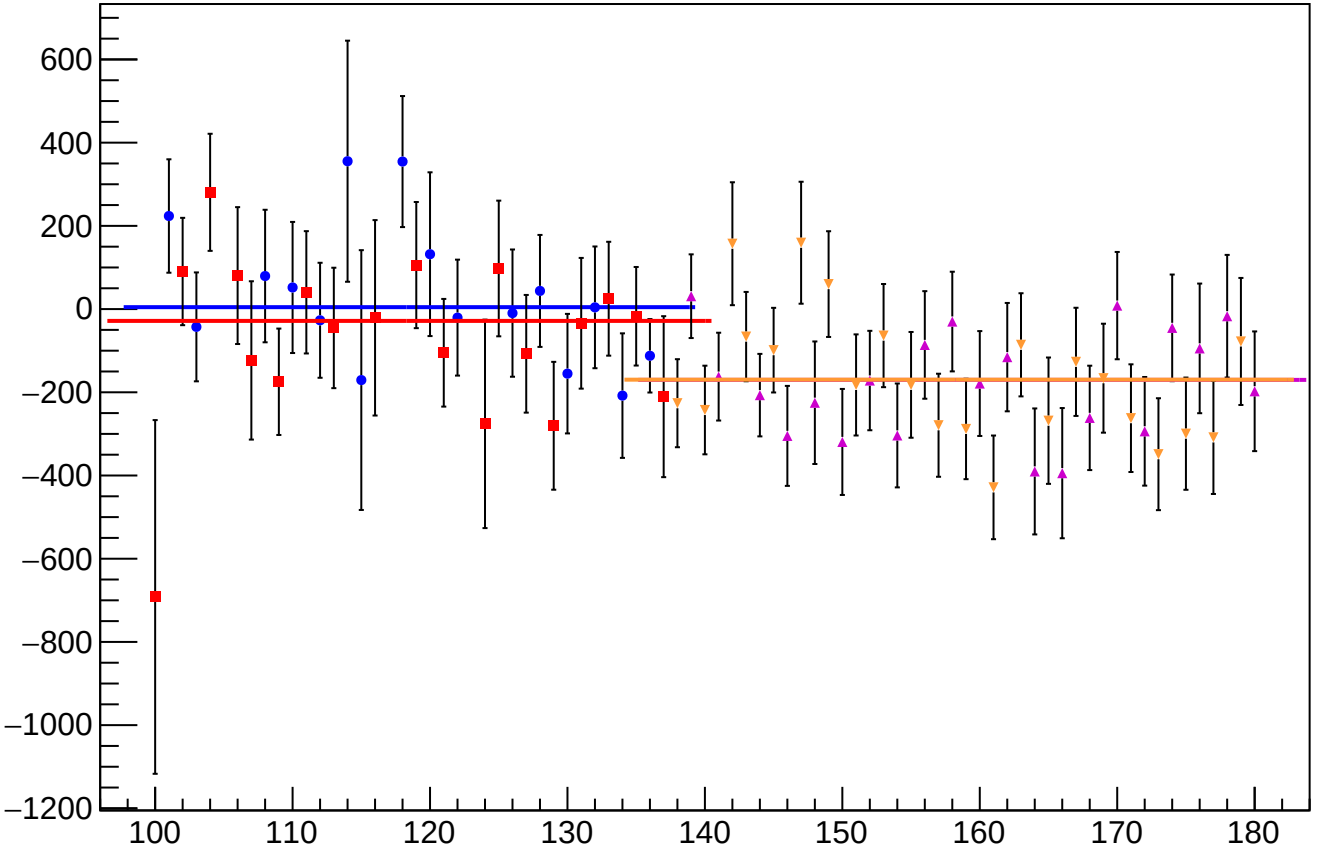
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 654.436+/-0.095 χ^2/NDF:1348926.4/36

Out: 653.103+/-0.094 χ^2/NDF:1217222.8/40

All: 653.762+/-0.067 χ^2/NDF: 2566248.5/77

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.663+/-26.717 χ^2/NDF:27.8/21

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -170.192+/-27.564 χ^2/NDF:19.8/20

Left: -169.920+/-19.184 χ^2/NDF: 47.6/42

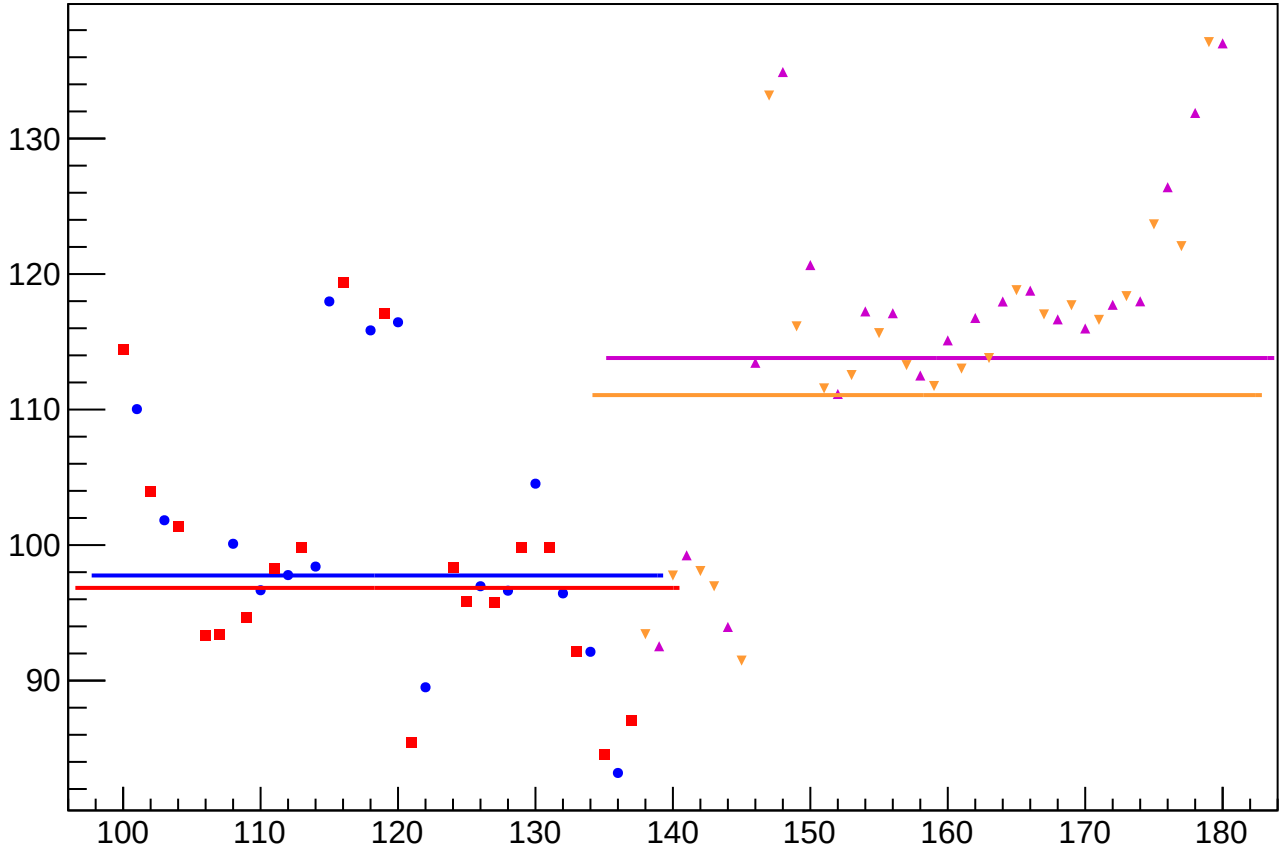
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.725+/-21.998 χ^2/NDF:49.8/36

Out: -118.522+/-21.339 χ^2/NDF:55.0/40

All: -112.803+/-15.317 χ^2/NDF: 104.9/77

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 111.068+/-0.019 χ^2/NDF:377627.2/21

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 113.803+/-0.019 χ^2/NDF:364173.1/20

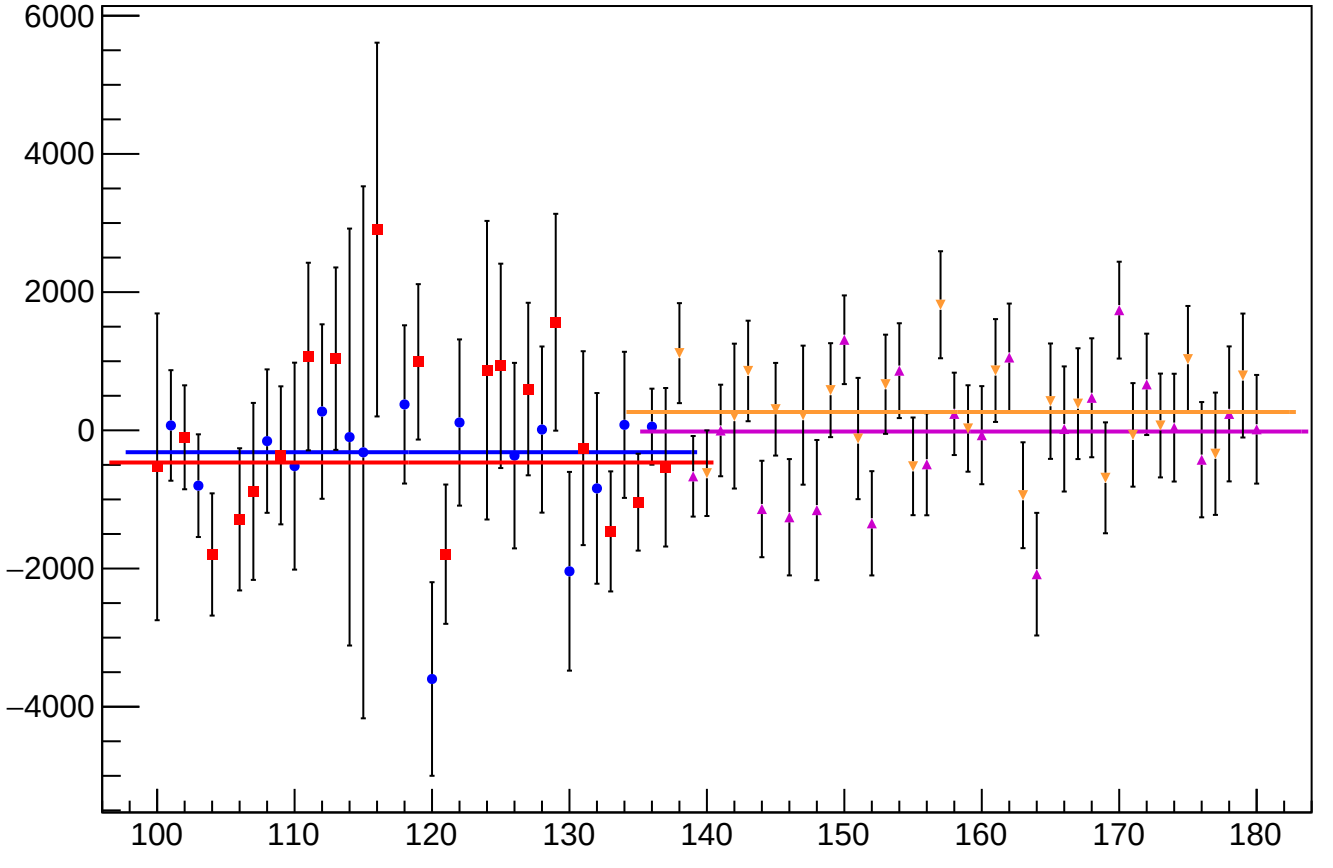
Left: 112.393+/-0.014 χ^2/NDF: 751954.4/42

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 107.977+/-0.016 χ^2/NDF:750935.3/36

Out: 105.917+/-0.015 χ^2/NDF:698161.8/40

All: 106.915+/-0.011 χ^2/NDF: 1458136.3/77



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -17.370+/-162.824 χ^2/NDF:32.0/20

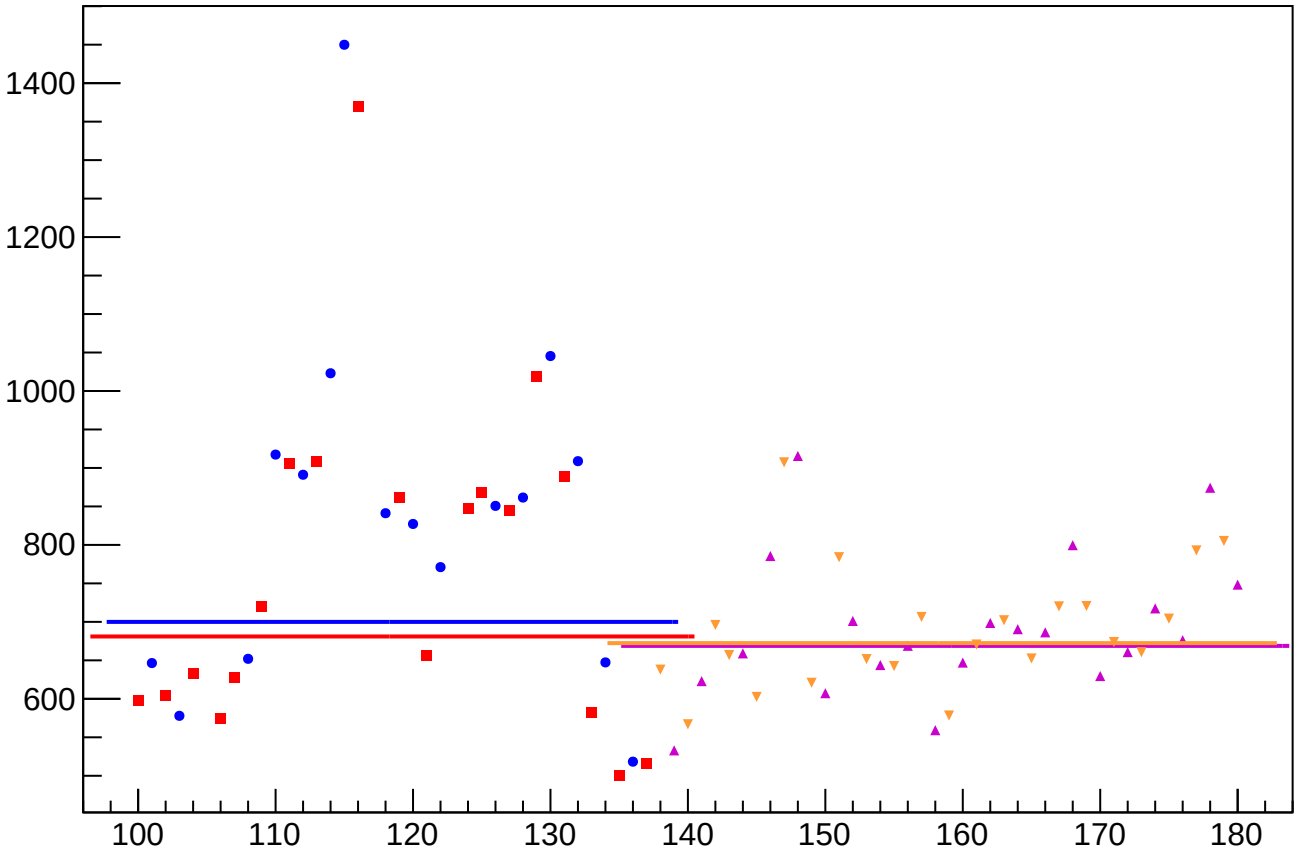
Left: 124.422+/-114.944 χ^2/NDF: 50.3/42

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -98.250+/-139.087 χ^2/NDF:42.0/36

Out: 56.518+/-137.166 χ^2/NDF:39.2/40

All: -19.790+/-97.663 χ^2/NDF: 81.8/77



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 668.782+/-0.115 χ^2/NDF:543827.0/20

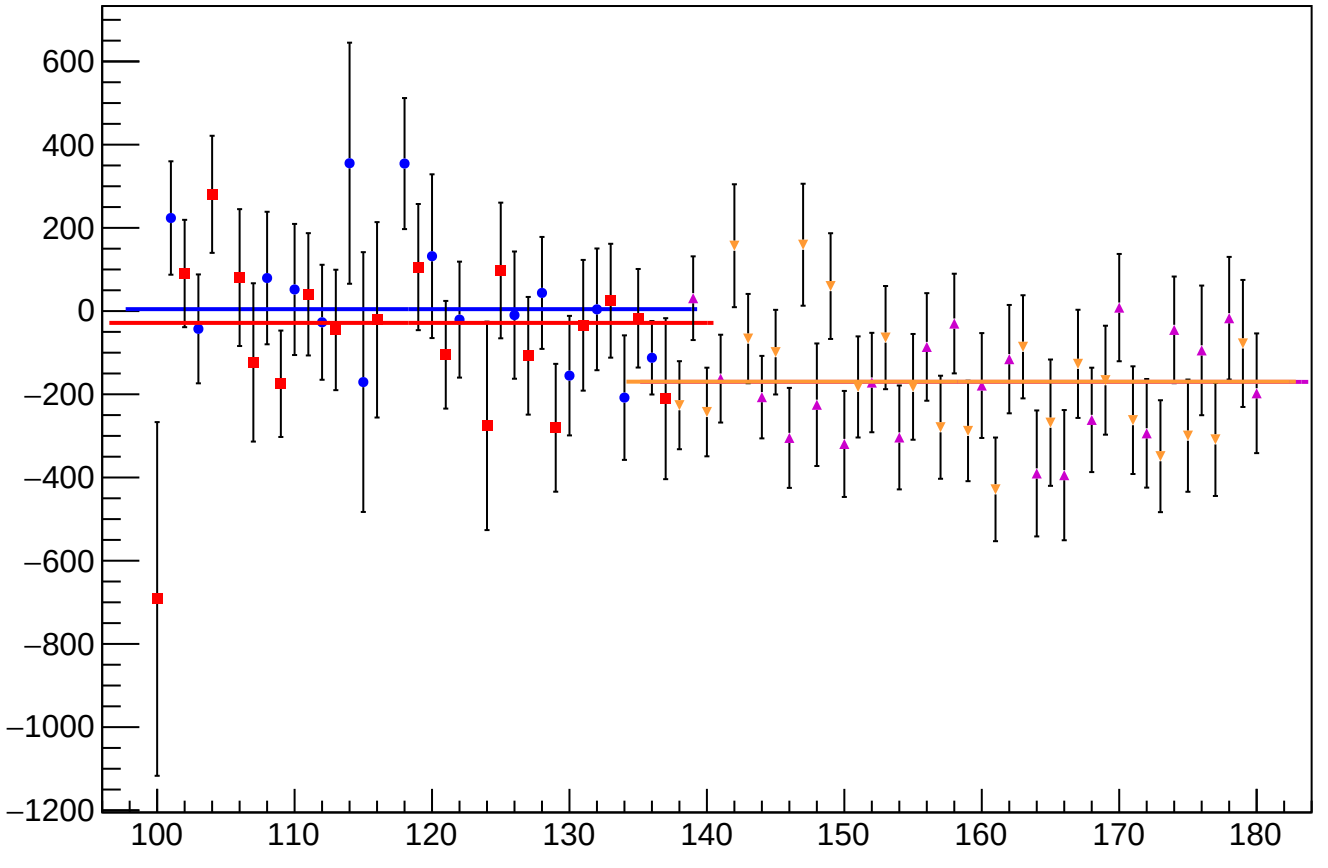
Left: 670.585+/-0.081 χ^2/NDF: 940928.7/42

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 677.214+/-0.098 χ^2/NDF:1317331.2/36

Out: 674.845+/-0.097 χ^2/NDF:1167629.2/40

All: 676.013+/-0.069 χ^2/NDF: 2485254.6/77



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.664+/-26.717 χ^2/NDF:27.8/21

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -170.192+/-27.564 χ^2/NDF:19.8/20

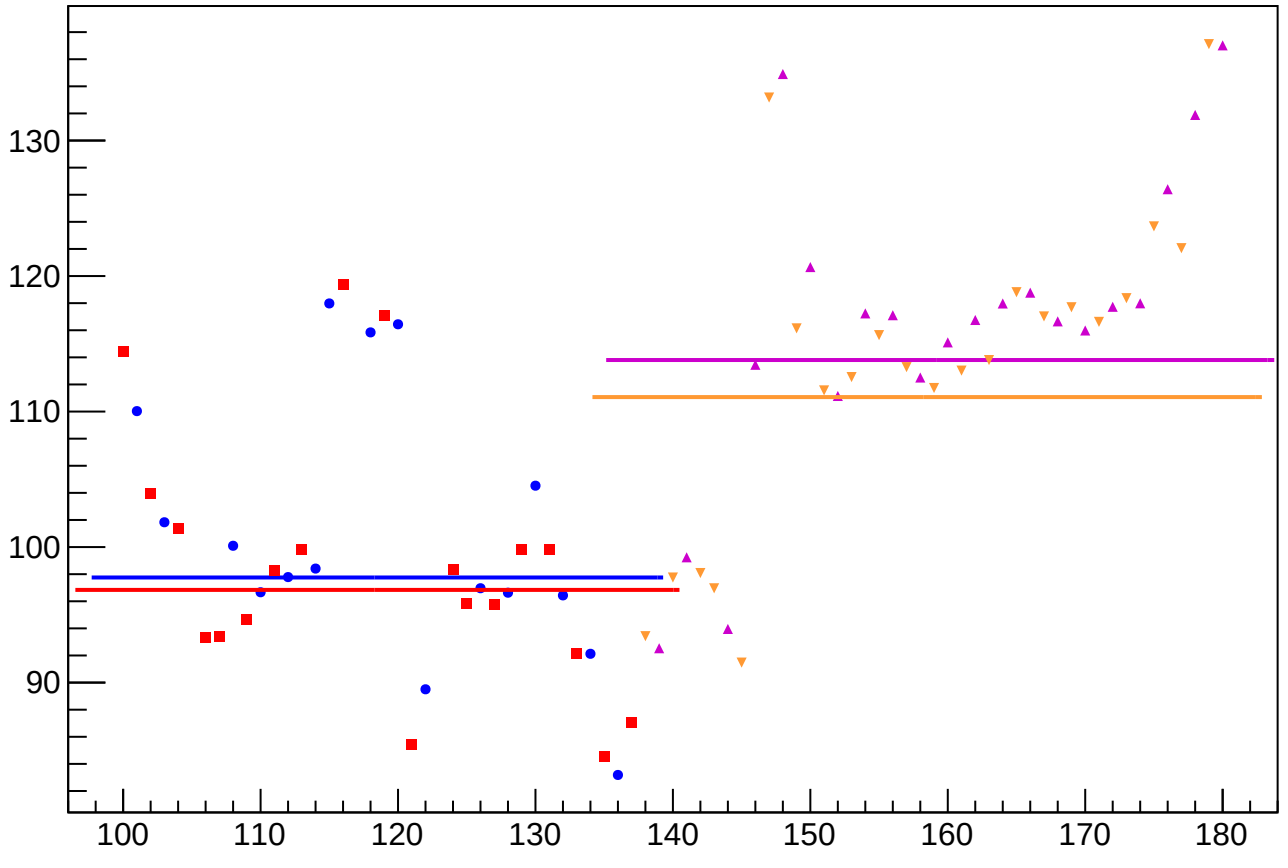
Left: -169.920+/-19.184 χ^2/NDF: 47.6/42

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -106.724+/-21.998 χ^2/NDF:49.8/36

Out: -118.522+/-21.339 χ^2/NDF:55.0/40

All: -112.802+/-15.317 χ^2/NDF: 104.9/77



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 111.068+/-0.019 χ^2/NDF:377623.6/21

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 113.803+/-0.019 χ^2/NDF:364170.4/20

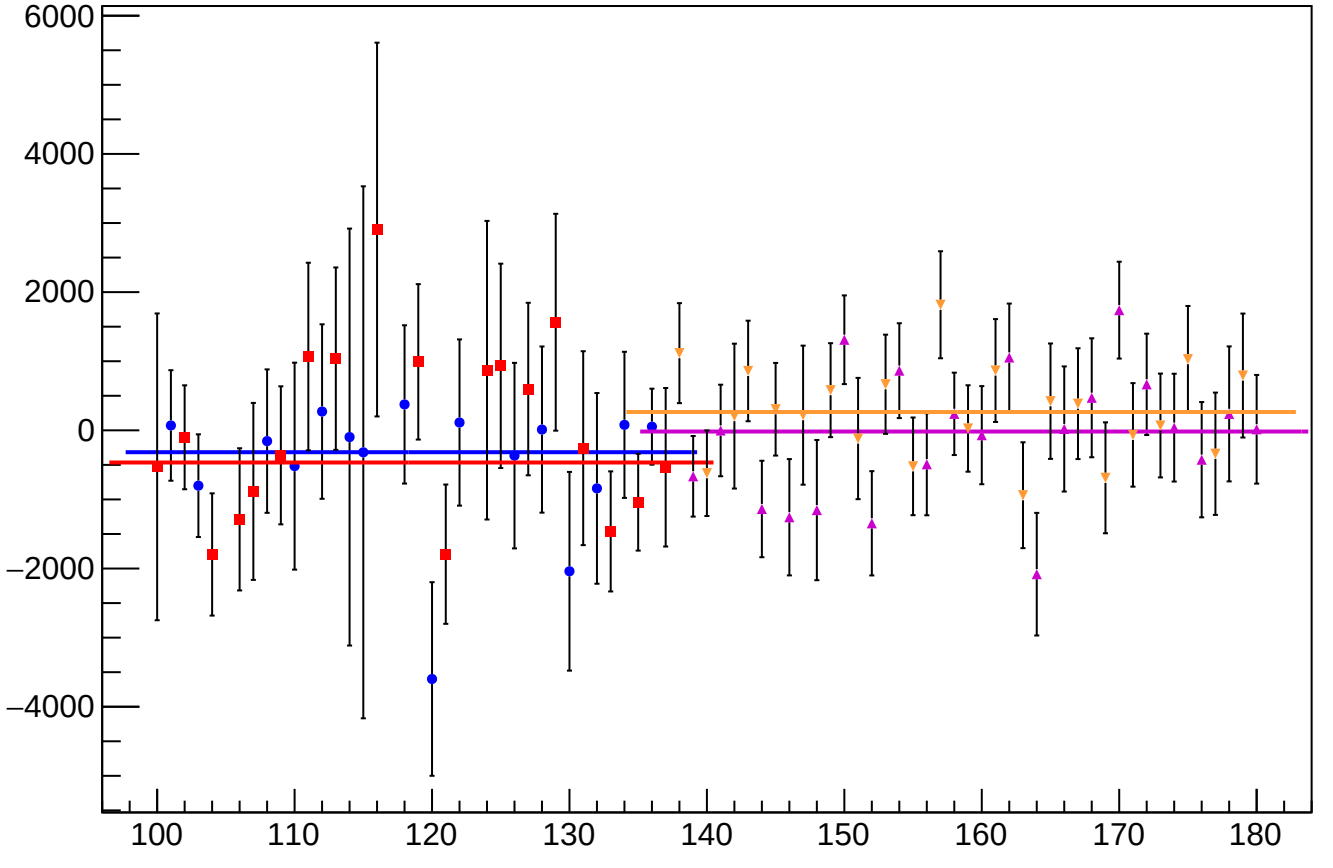
Left: 112.393+/-0.014 χ^2/NDF: 751948.8/42

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 107.977+/-0.016 χ^2/NDF:750945.5/36

Out: 105.916+/-0.015 χ^2/NDF:698171.5/40

All: 106.915+/-0.011 χ^2/NDF: 1458156.7/77



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -17.371+/-162.824 χ^2/NDF:32.0/20

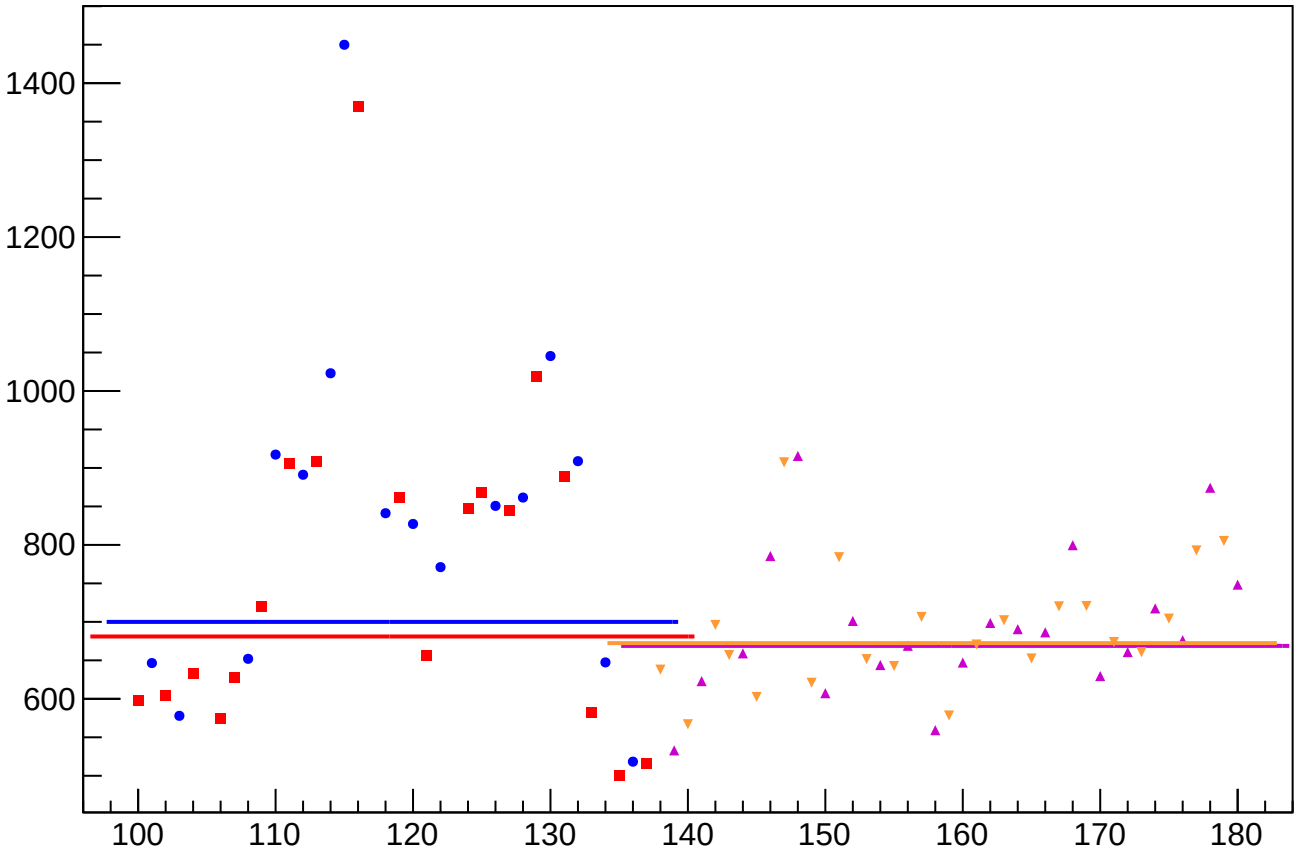
Left: 124.422+/-114.945 χ^2/NDF: 50.3/42

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -98.250+/-139.087 χ^2/NDF:42.0/36

Out: 56.517+/-137.166 χ^2/NDF:39.2/40

All: -19.791+/-97.663 χ^2/NDF: 81.8/77



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 668.783+/-0.115 χ^2/NDF:543829.0/20

Left: 670.586+/-0.081 χ^2/NDF: 940930.8/42

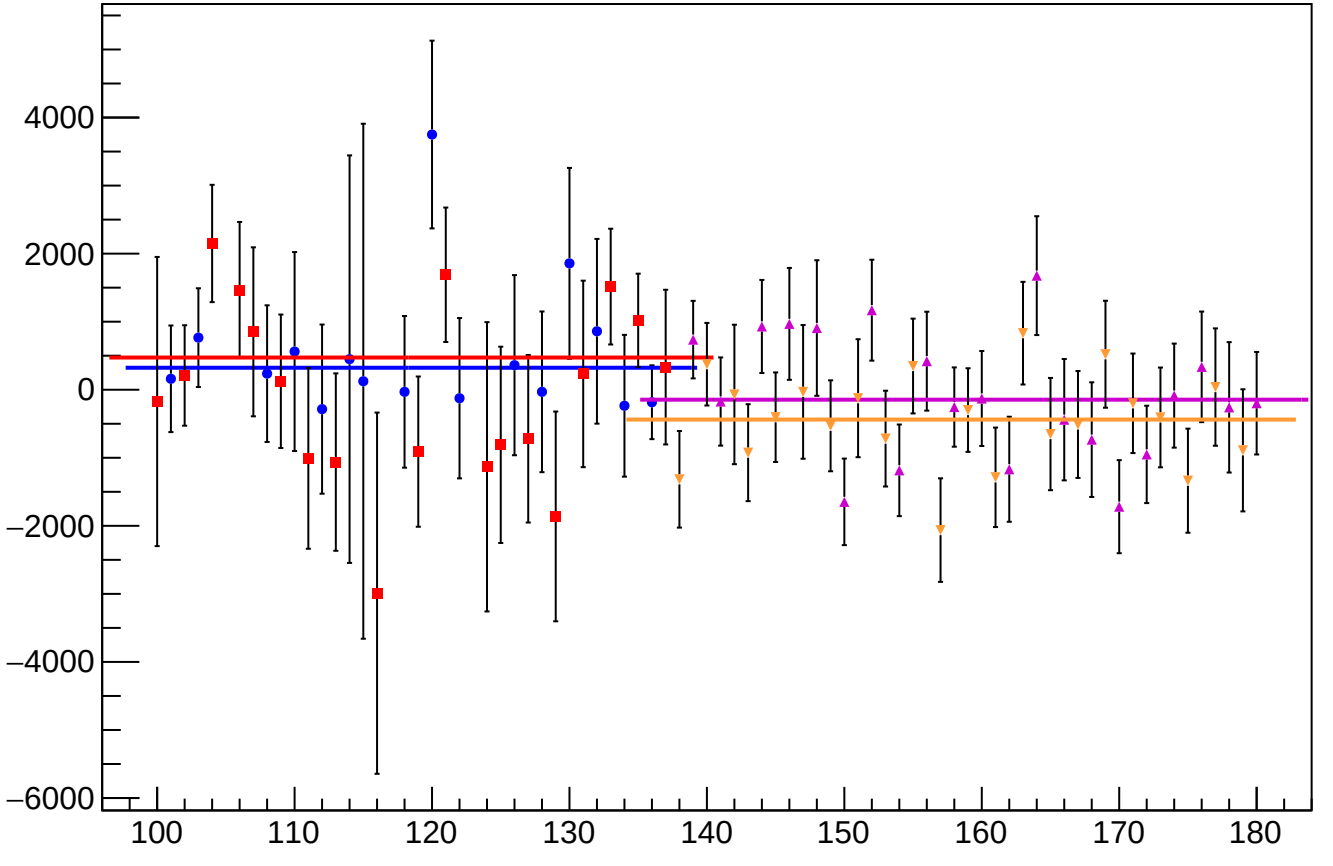
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 677.214+/-0.098 χ^2/NDF:1317333.3/36

Out: 674.845+/-0.097 χ^2/NDF:1167631.6/40

All: 676.013+/-0.069 χ^2/NDF: 2485259.0/77

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -438.167+/-159.389 χ^2/NDF:18.1/21

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -146.161+/-159.508 χ^2/NDF:33.2/20

Left: -292.274+/-112.747 χ^2/NDF: 53.0/42

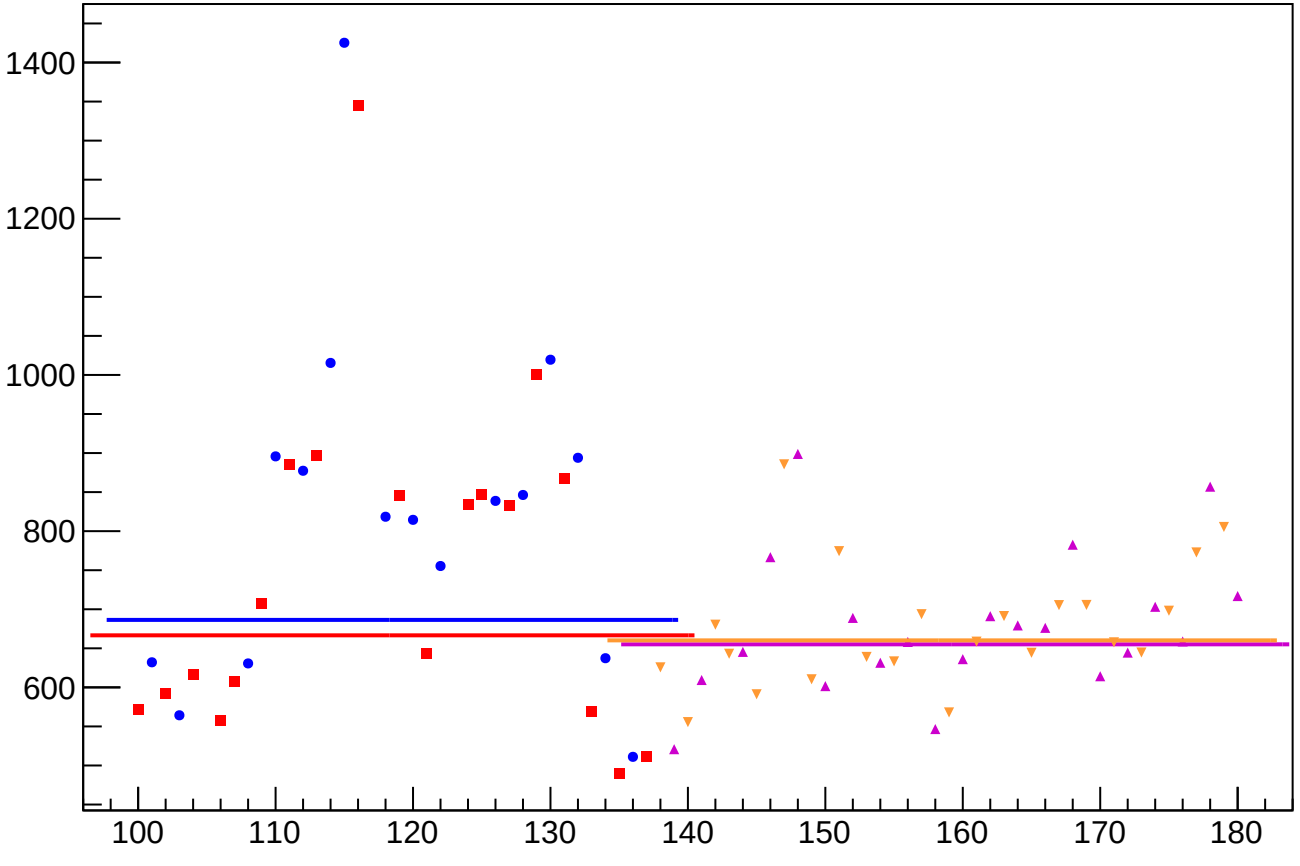
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -19.471+/-136.292 χ^2/NDF:45.3/36

Out: -176.753+/-134.603 χ^2/NDF:46.9/40

All: -99.093+/-95.770 χ^2/NDF: 92.8/77

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 660.184+/-0.113 χ^2/NDF:402707.1/21

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 655.112+/-0.113 χ^2/NDF:540179.0/20

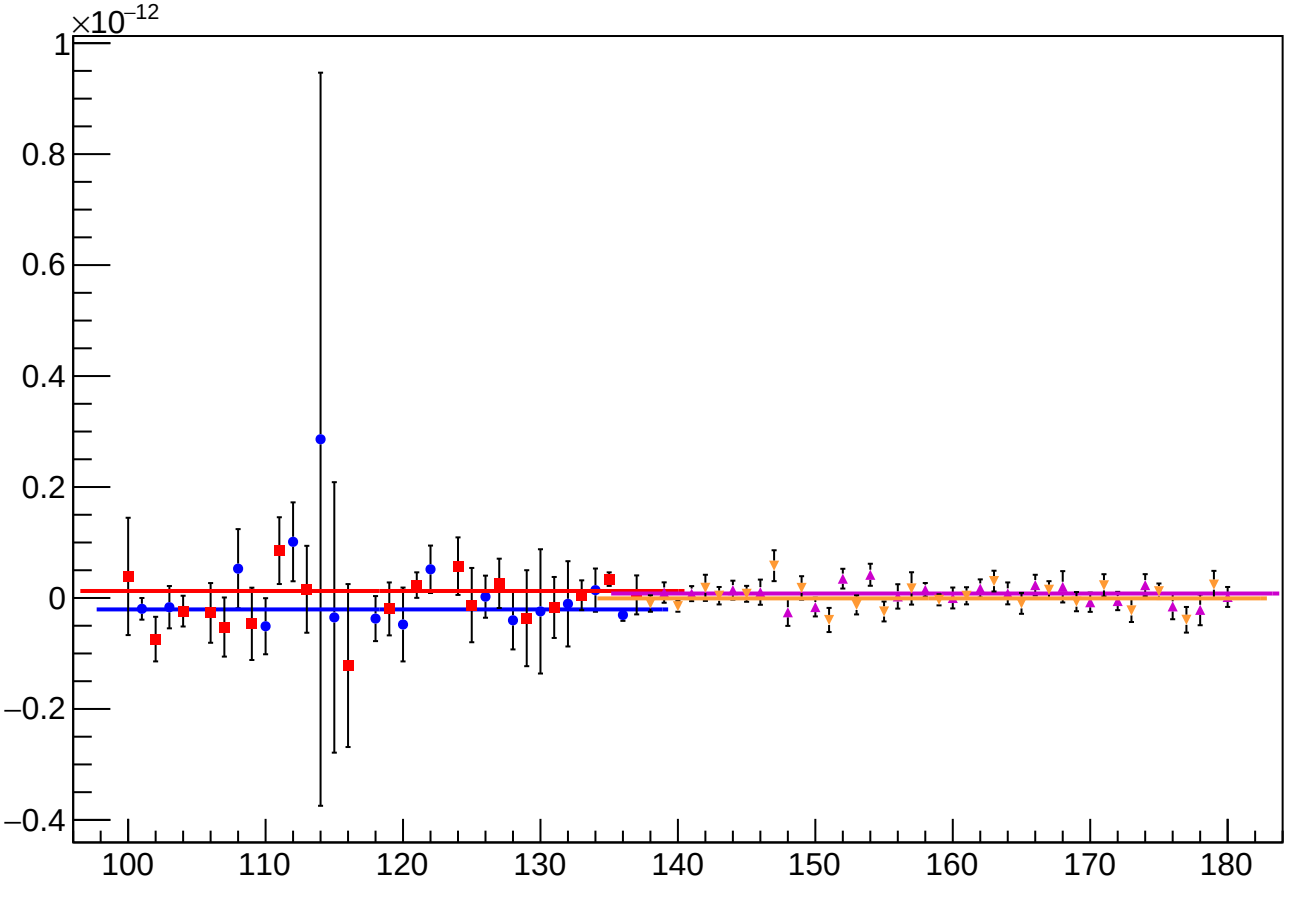
Left: 657.650+/-0.080 χ^2/NDF: 943897.9/42

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 663.556+/-0.096 χ^2/NDF:1310396.4/36

Out: 662.034+/-0.095 χ^2/NDF:1180680.2/40

All: 662.786+/-0.068 χ^2/NDF: 2491202.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/20

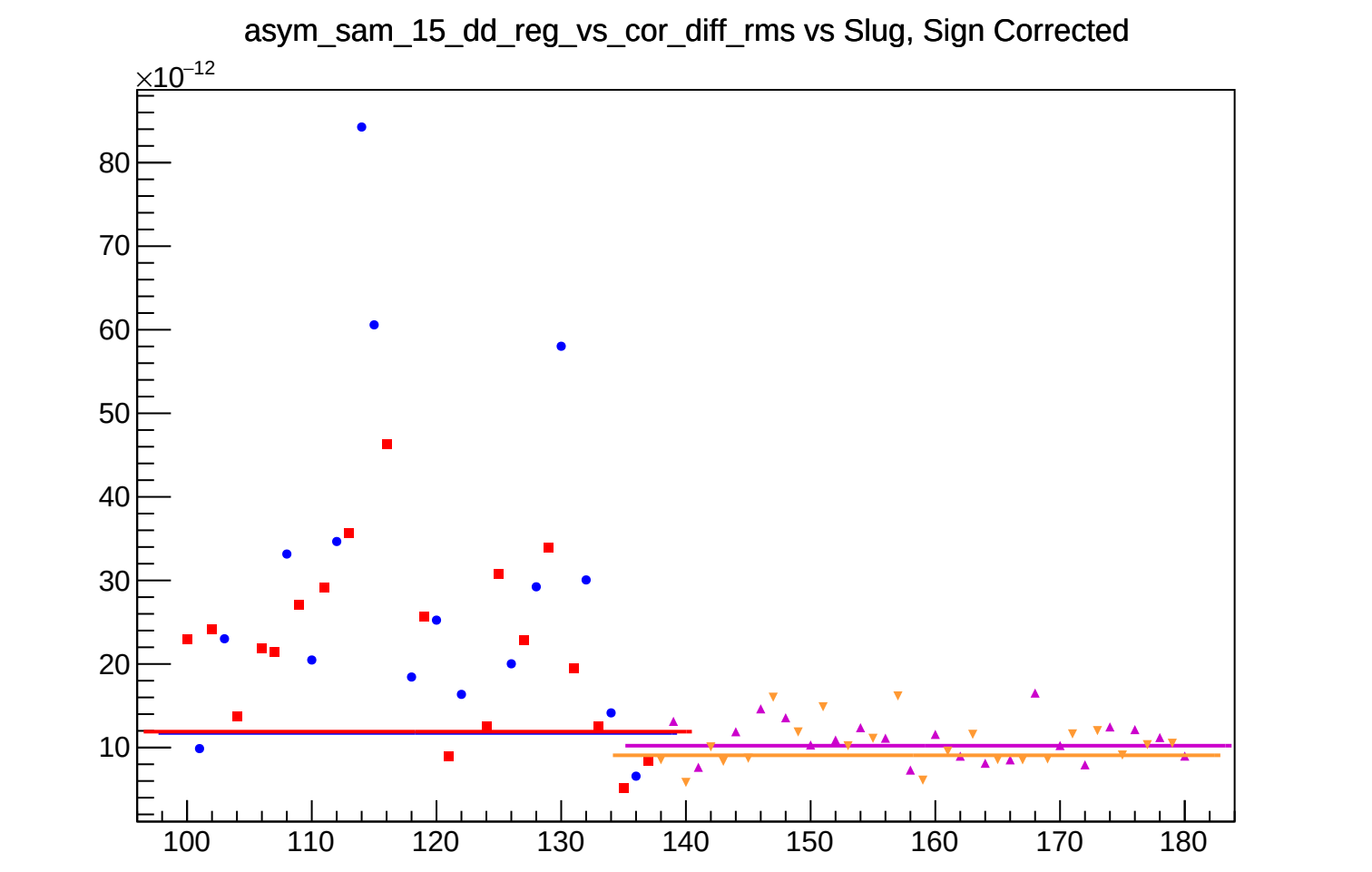
Left: 0.000+/-0.000 χ^2/NDF: 43.9/42

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:35.9/36

Out: 0.000+/-0.000 χ^2/NDF:45.3/40

All: 0.000+/-0.000 χ^2/NDF: 81.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:985915.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

Left In: 0.000+/-0.000 χ^2/NDF:649385.7/20

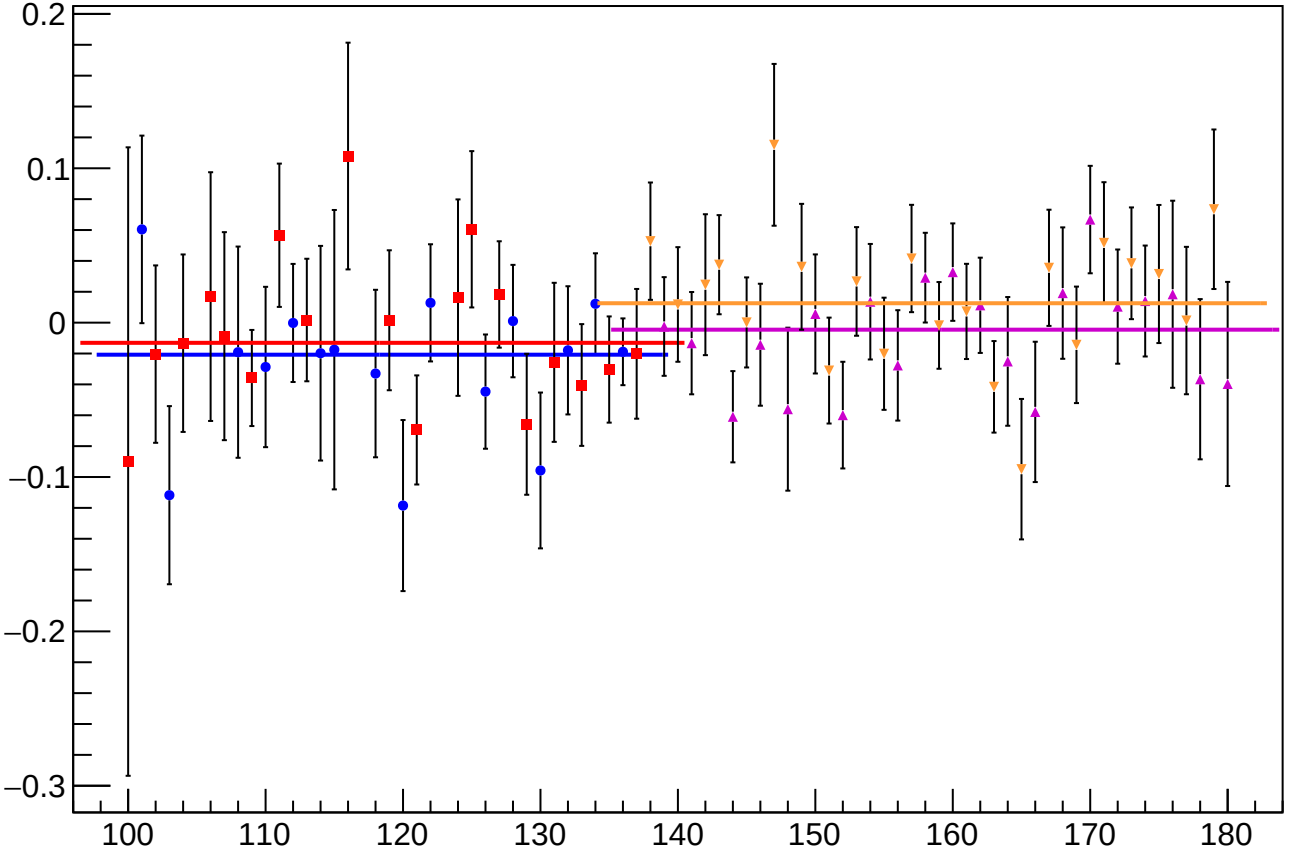
Left: 0.000+/-0.000 χ^2/NDF: 1727488.8/42

Right: 0.000+/-0.000 χ^2/NDF: 4364012.6/34

In: 0.000+/-0.000 χ^2/NDF:2871157.0/36

Out: 0.000+/-0.000 χ^2/NDF:3404414.3/40

All: 0.000+/-0.000 χ^2/NDF: 6359506.0/77



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.008 χ^2/NDF:18.4/20

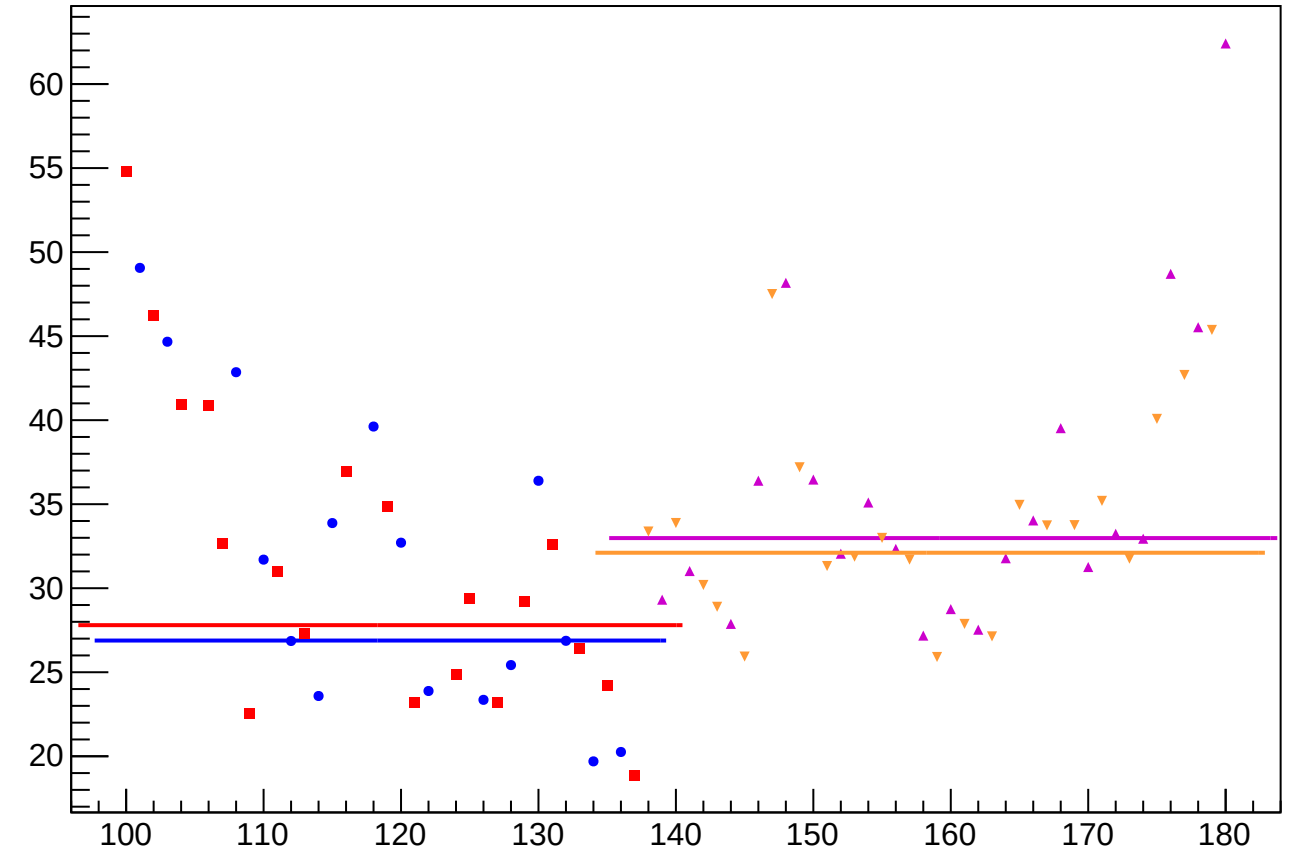
Left: 0.004+/-0.006 χ^2/NDF: 43.3/42

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.006 χ^2/NDF:32.4/36

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.004 χ^2/NDF: 75.2/77



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

Left: 32.530+/-0.004 χ^2/NDF: 2030046.1/42

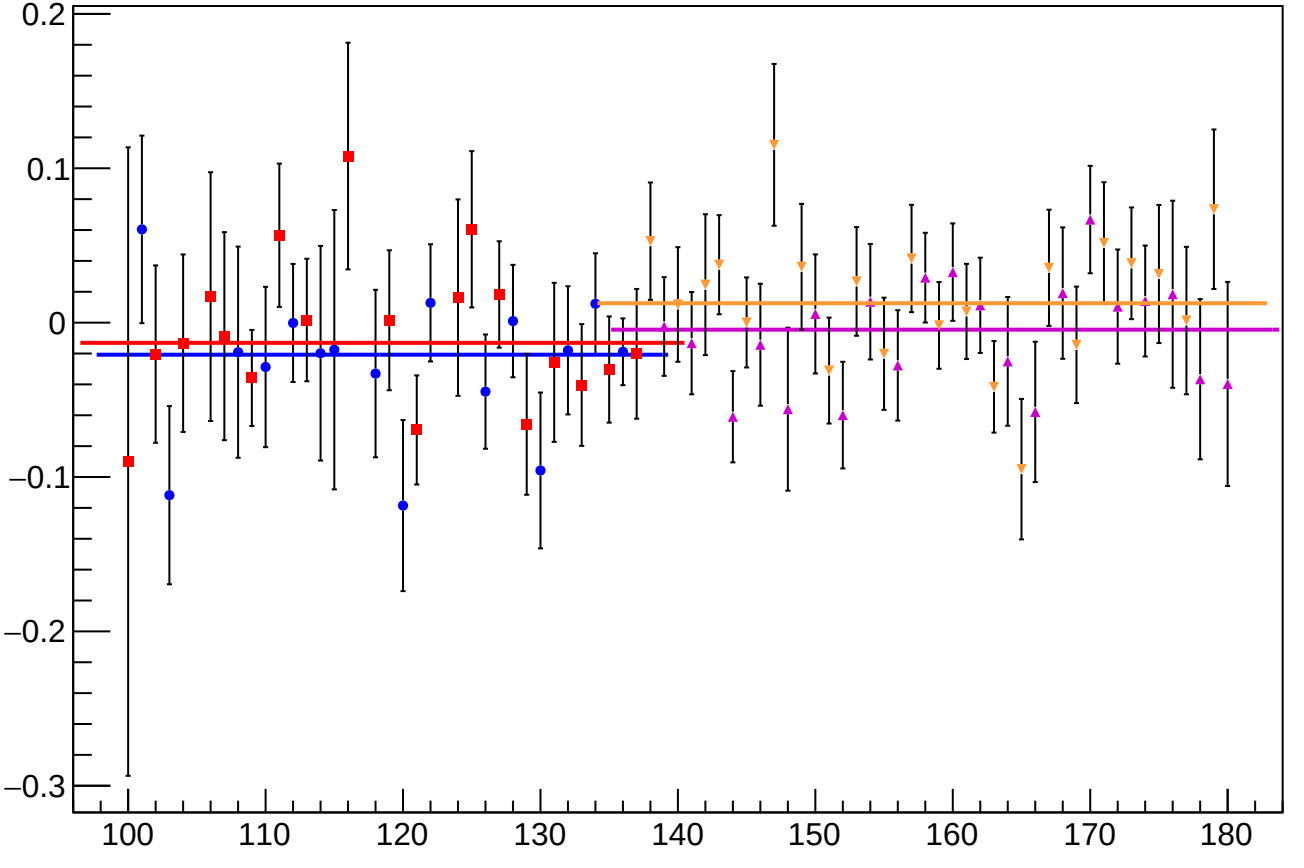
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.697+/-0.005 χ^2/NDF:2720379.3/36

Out: 30.580+/-0.004 χ^2/NDF:1817550.7/40

All: 30.637+/-0.003 χ^2/NDF: 4538269.3/77

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.008 χ^2/NDF:18.4/20

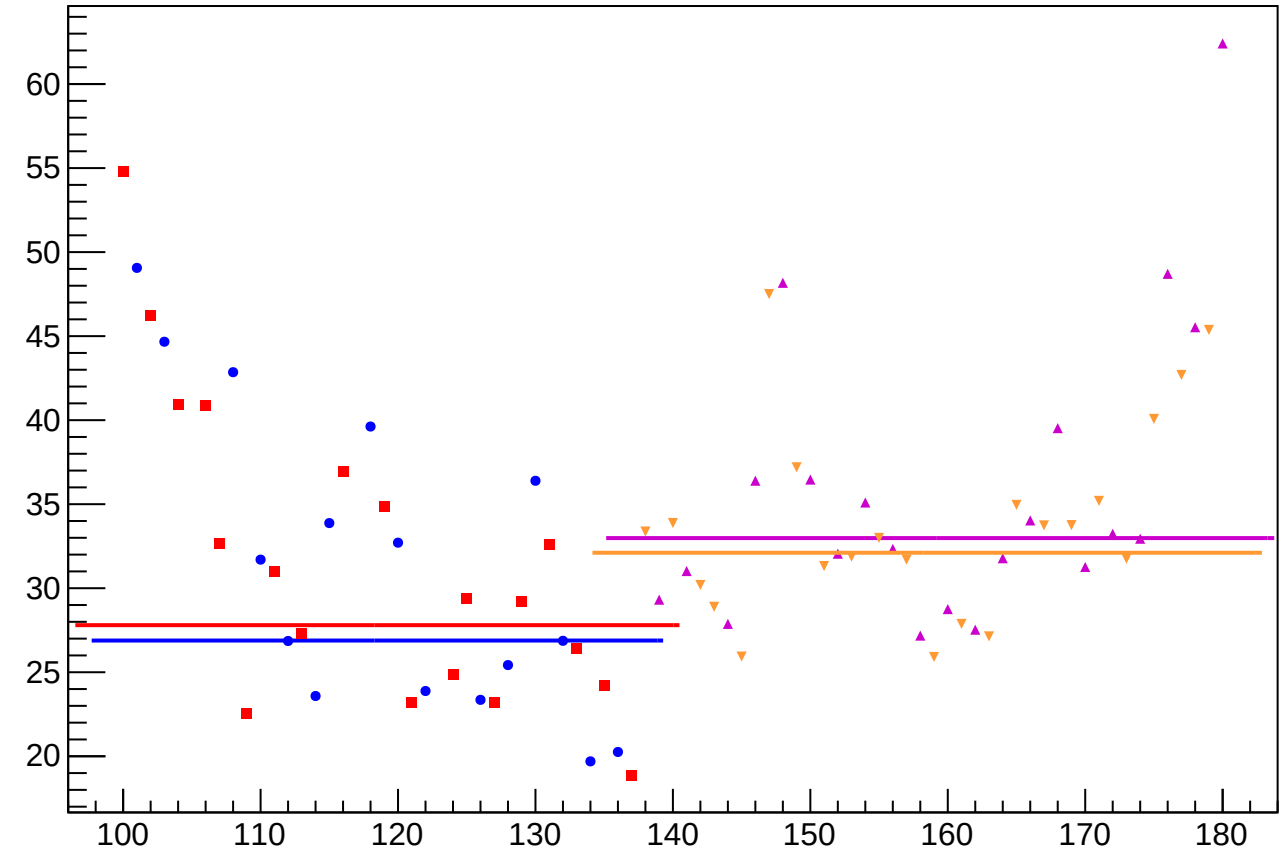
Left: 0.004+/-0.006 χ^2/NDF: 43.3/42

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.006 χ^2/NDF:32.4/36

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.004 χ^2/NDF: 75.2/77



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.983+/-0.006 χ^2/NDF:1179067.6/20

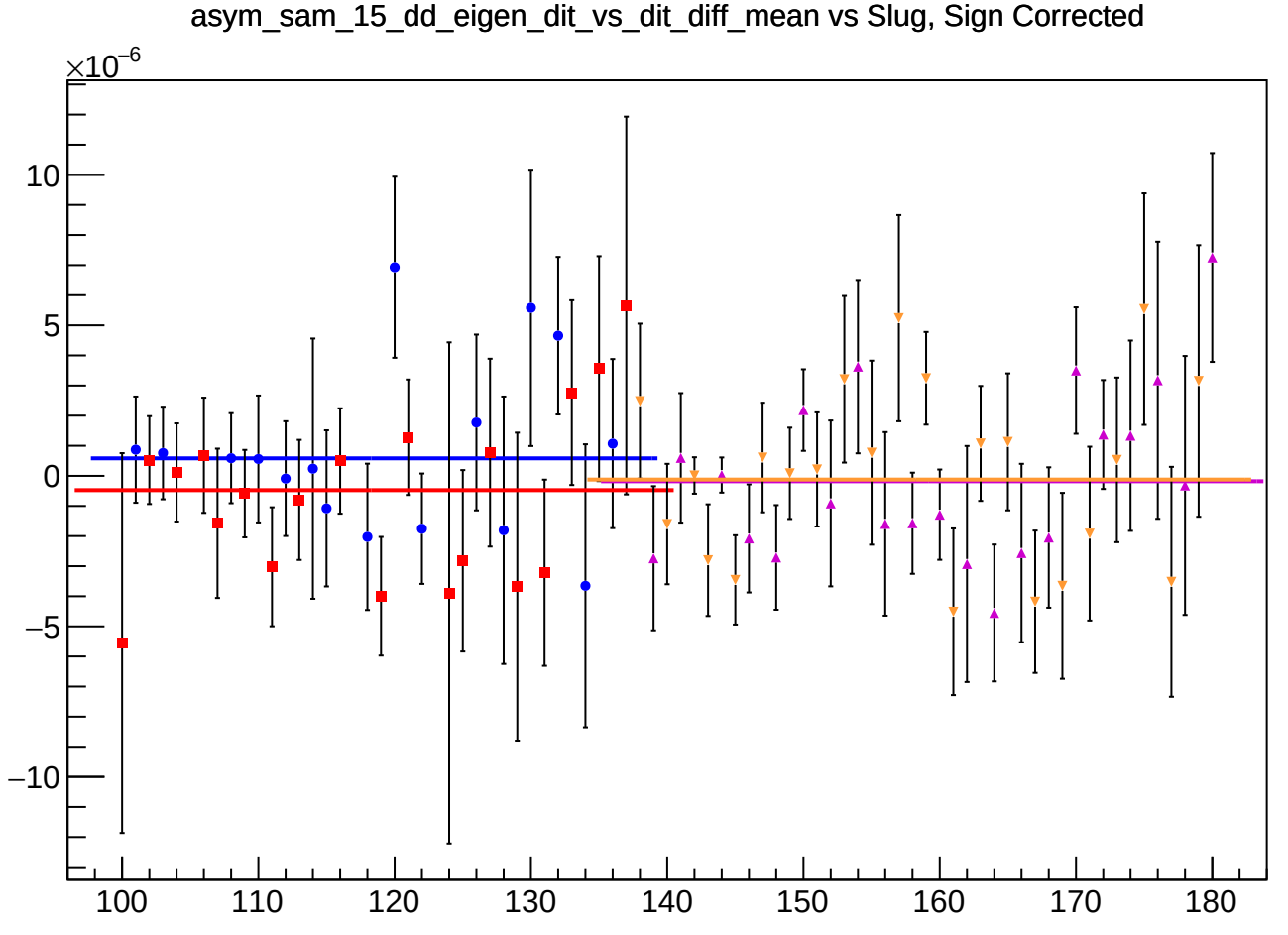
Left: 32.530+/-0.004 χ^2/NDF: 2030046.1/42

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.697+/-0.005 χ^2/NDF:2720379.3/36

Out: 30.580+/-0.004 χ^2/NDF:1817550.7/40

All: 30.637+/-0.003 χ^2/NDF: 4538269.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:25.6/20

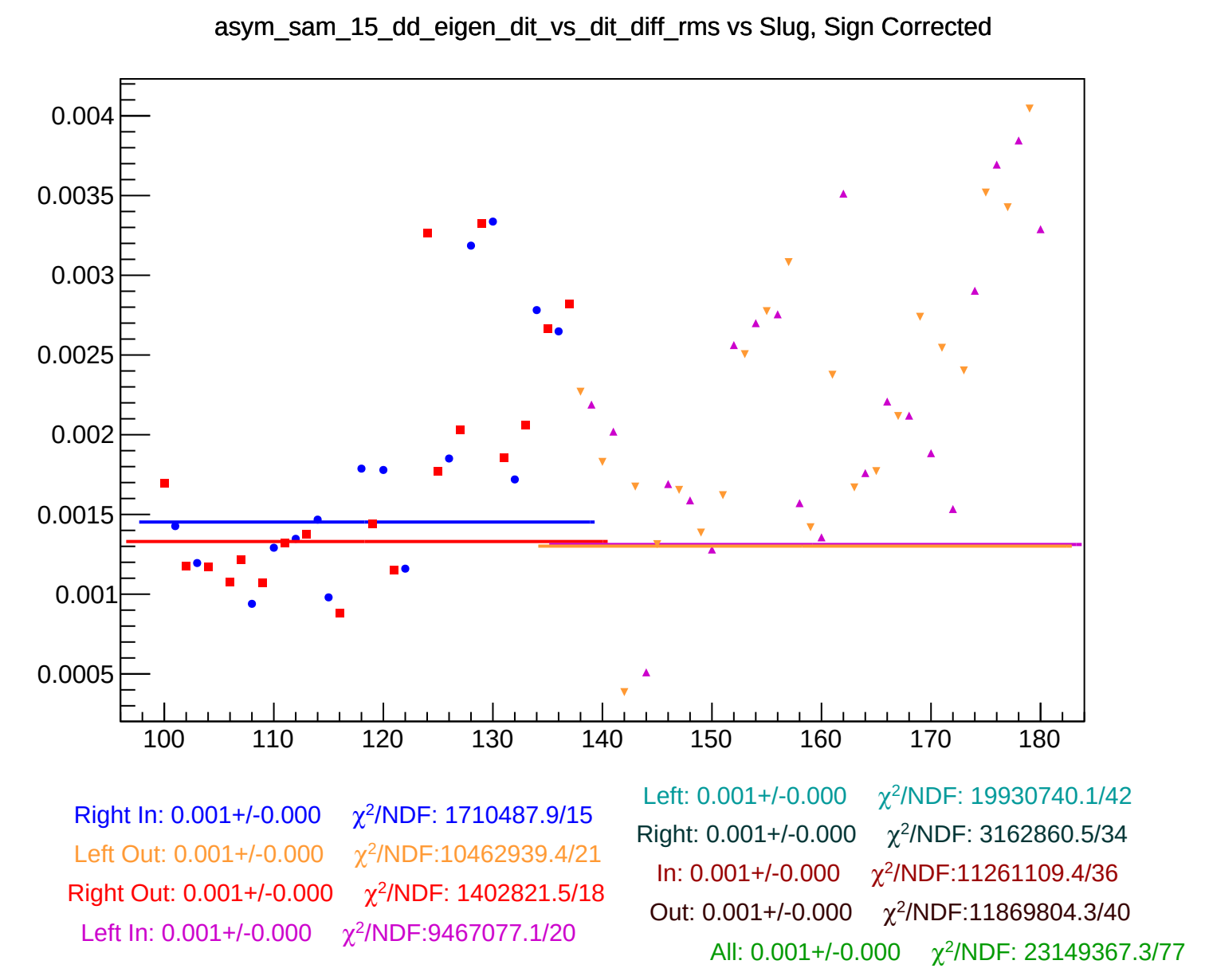
Left: -0.000+/-0.000 χ^2/NDF: 54.7/42

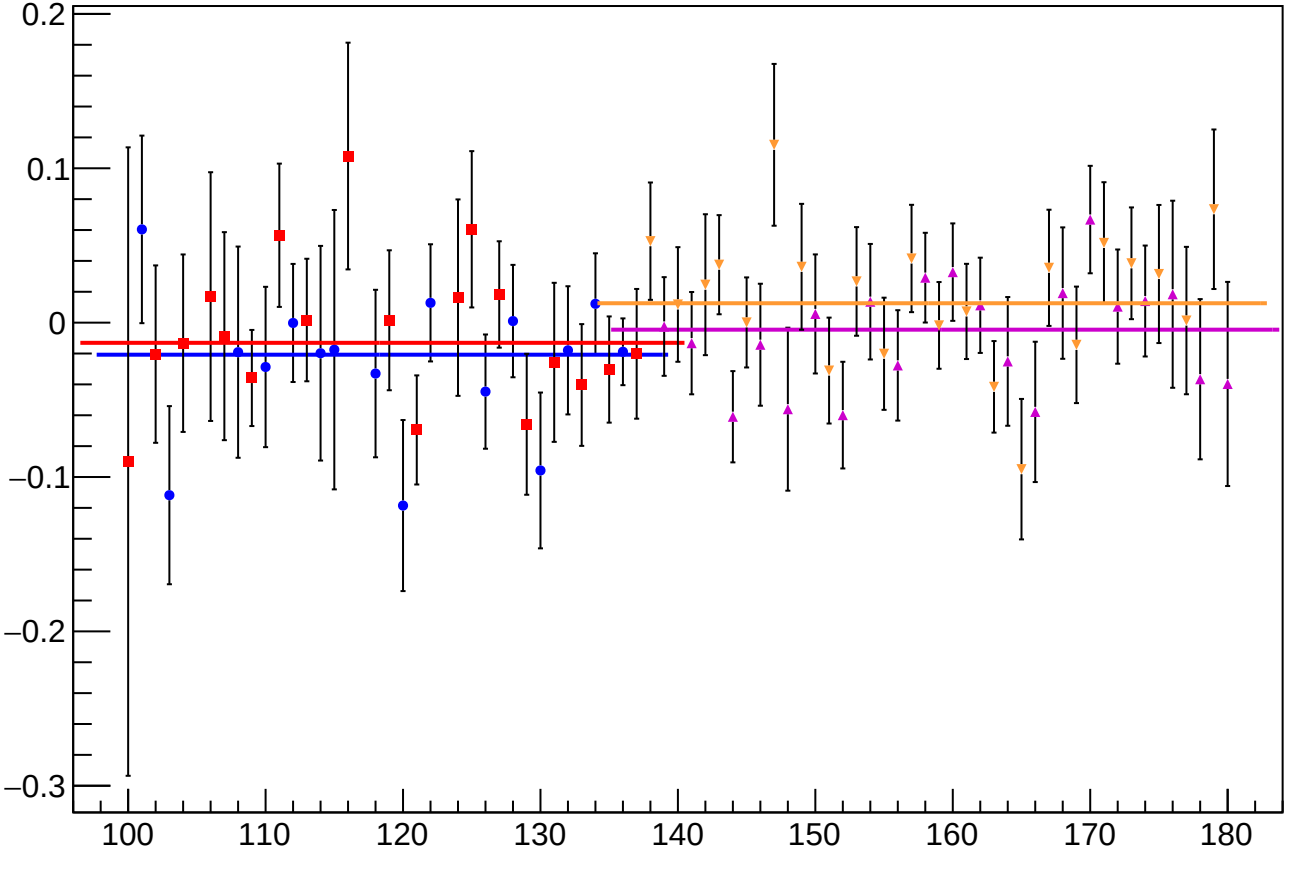
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:39.5/36

Out: -0.000+/-0.000 χ^2/NDF:42.6/40

All: -0.000+/-0.000 χ^2/NDF: 82.6/77


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:10462939.4/21
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:9467077.1/20
Left: 0.001+/-0.000 χ²/NDF: 19930740.1/42
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:11261109.4/36
Out: 0.001+/-0.000 χ²/NDF:11869804.3/40
All: 0.001+/-0.000 χ²/NDF: 23149367.3/77



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.008 χ^2/NDF:18.4/20

Left: 0.004+/-0.006 χ^2/NDF: 43.3/42

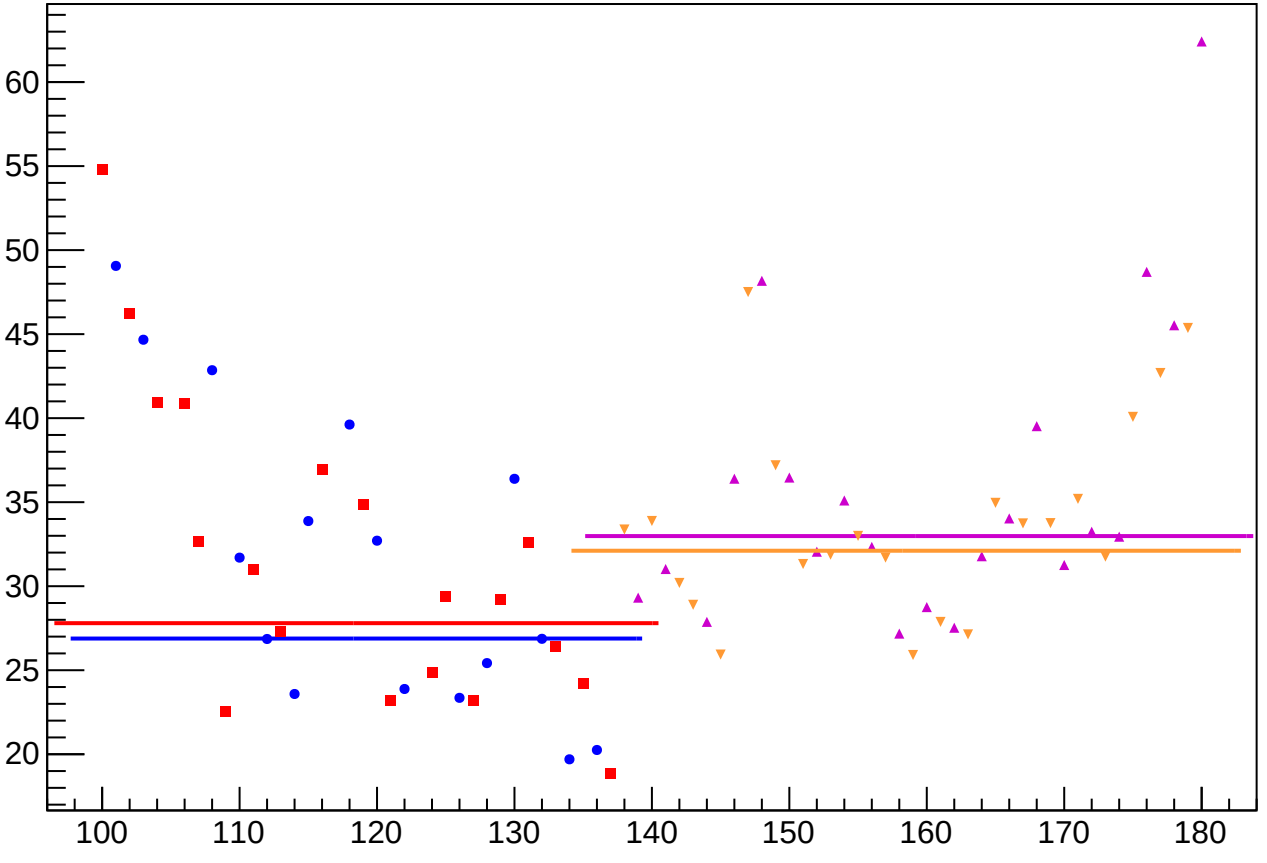
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.006 χ^2/NDF:32.4/36

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.004 χ^2/NDF: 75.2/77

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: 32.111+/-0.006 χ^2/NDF:839139.3/21

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

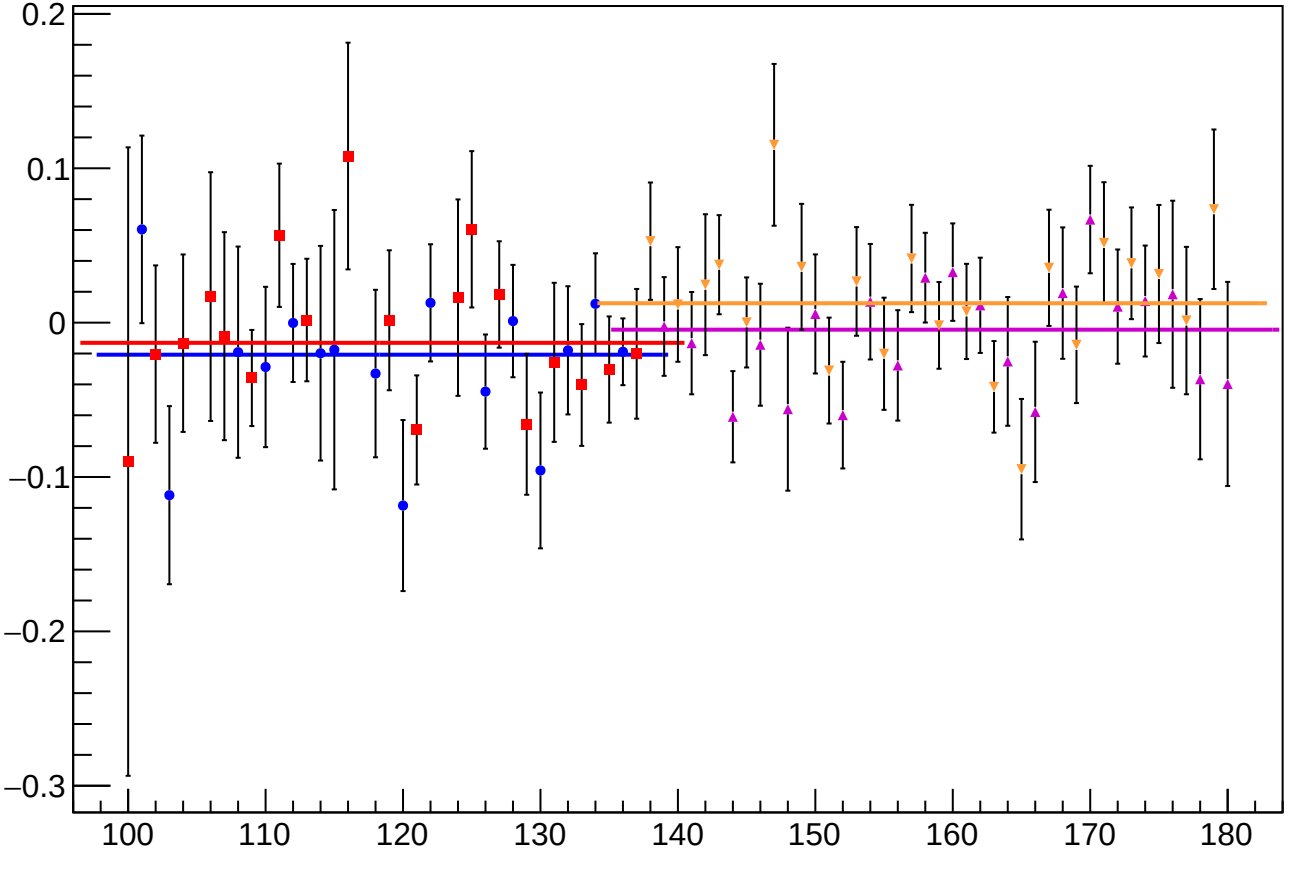
Left: 32.530+/-0.004 χ^2/NDF: 2030208.7/42

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.696+/-0.005 χ^2/NDF:2720597.9/36

Out: 30.579+/-0.004 χ^2/NDF:1817889.5/40

All: 30.636+/-0.003 χ^2/NDF: 4538827.9/77



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.008 χ^2/NDF:18.4/20

Left: 0.004+/-0.006 χ^2/NDF: 43.3/42

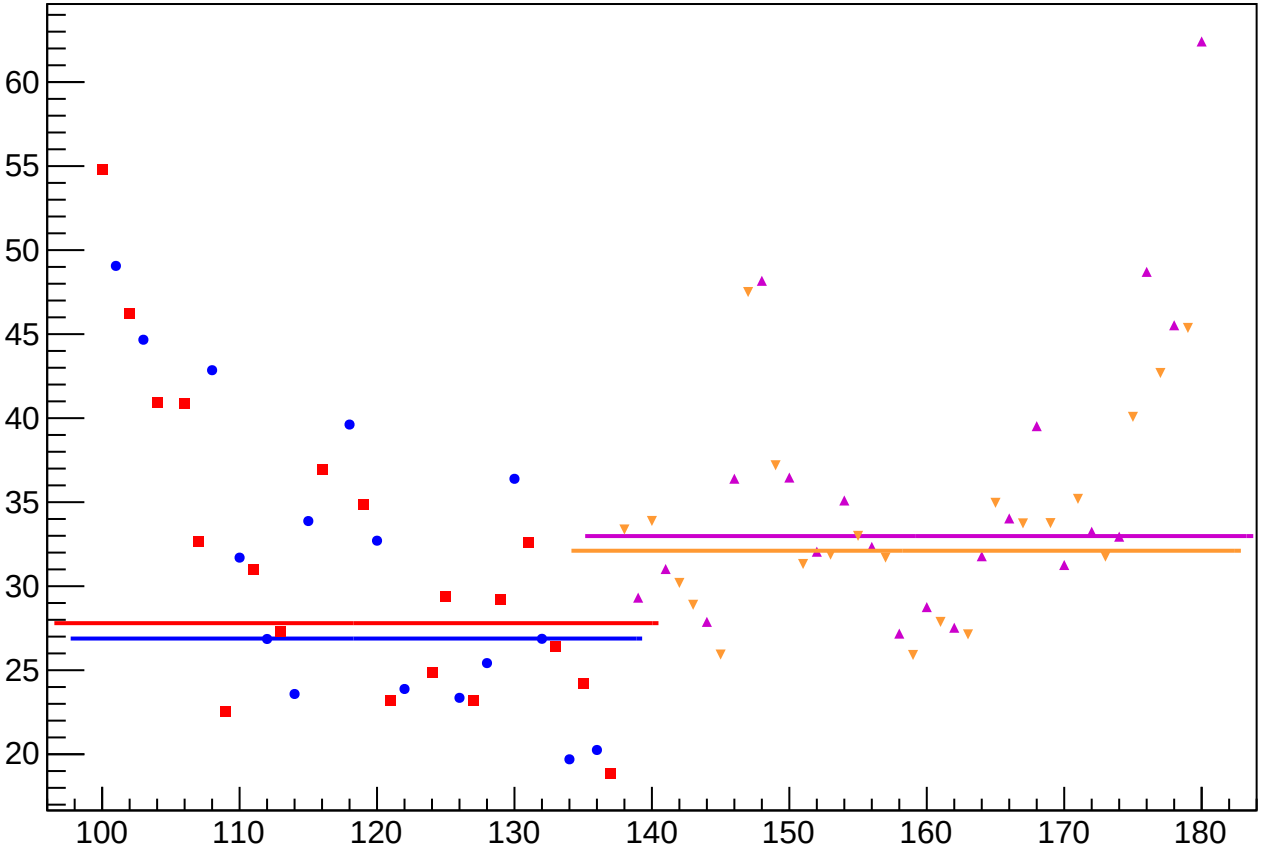
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.006 χ^2/NDF:32.4/36

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.004 χ^2/NDF: 75.2/77

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: 32.111+/-0.006 χ^2/NDF:839139.3/21

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.983+/-0.006 χ^2/NDF:1179136.6/20

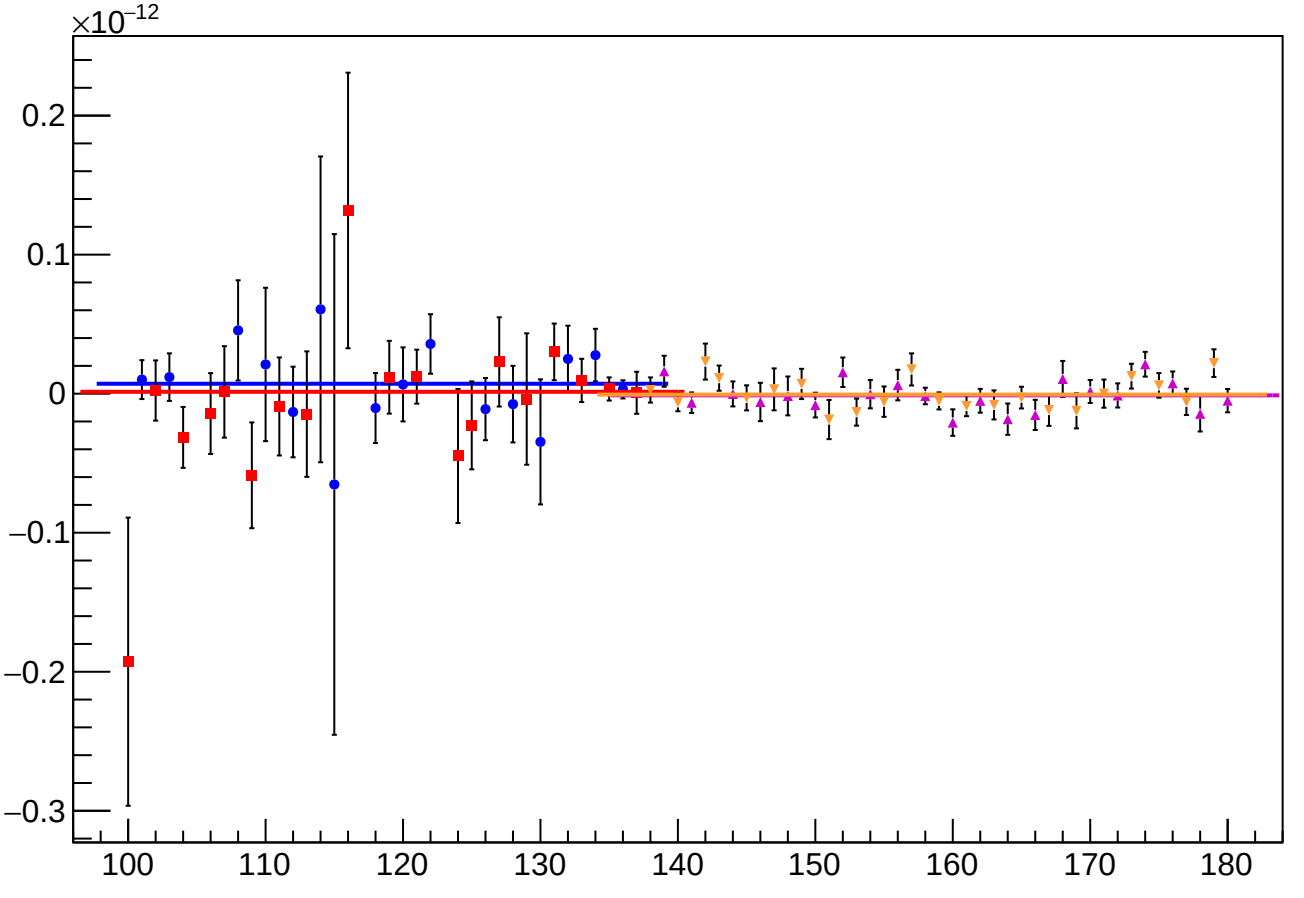
Left: 32.530+/-0.004 χ^2/NDF: 2030208.7/42

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.696+/-0.005 χ^2/NDF:2720597.9/36

Out: 30.579+/-0.004 χ^2/NDF:1817889.5/40

All: 30.636+/-0.003 χ^2/NDF: 4538827.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/20

Left: -0.000+/-0.000 χ^2/NDF: 49.6/42

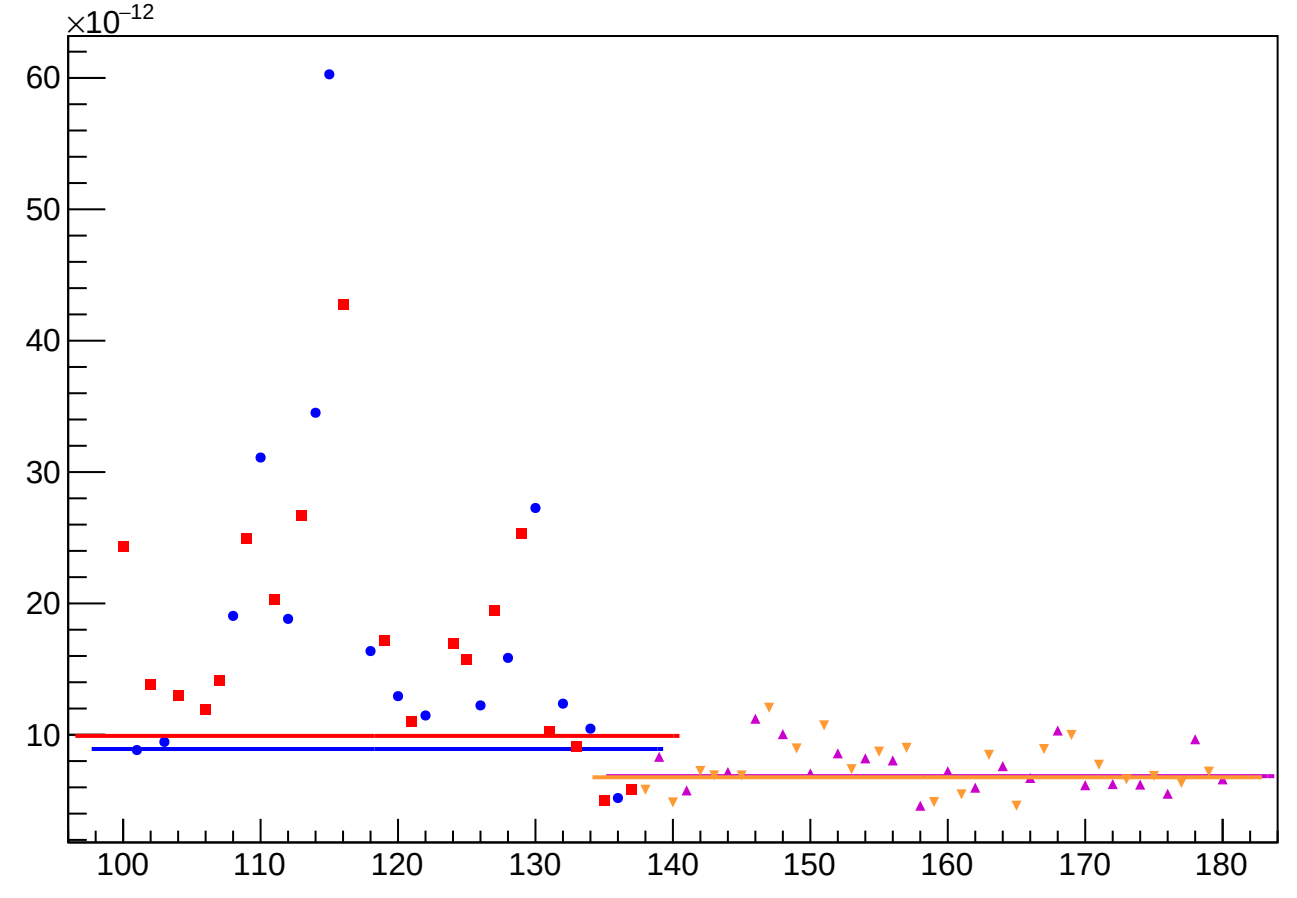
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:35.7/36

Out: -0.000+/-0.000 χ^2/NDF:40.4/40

All: -0.000+/-0.000 χ^2/NDF: 76.1/77

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:1524240.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1143865.6/20

Left: 0.000+/-0.000 χ^2/NDF: 2669938.3/42

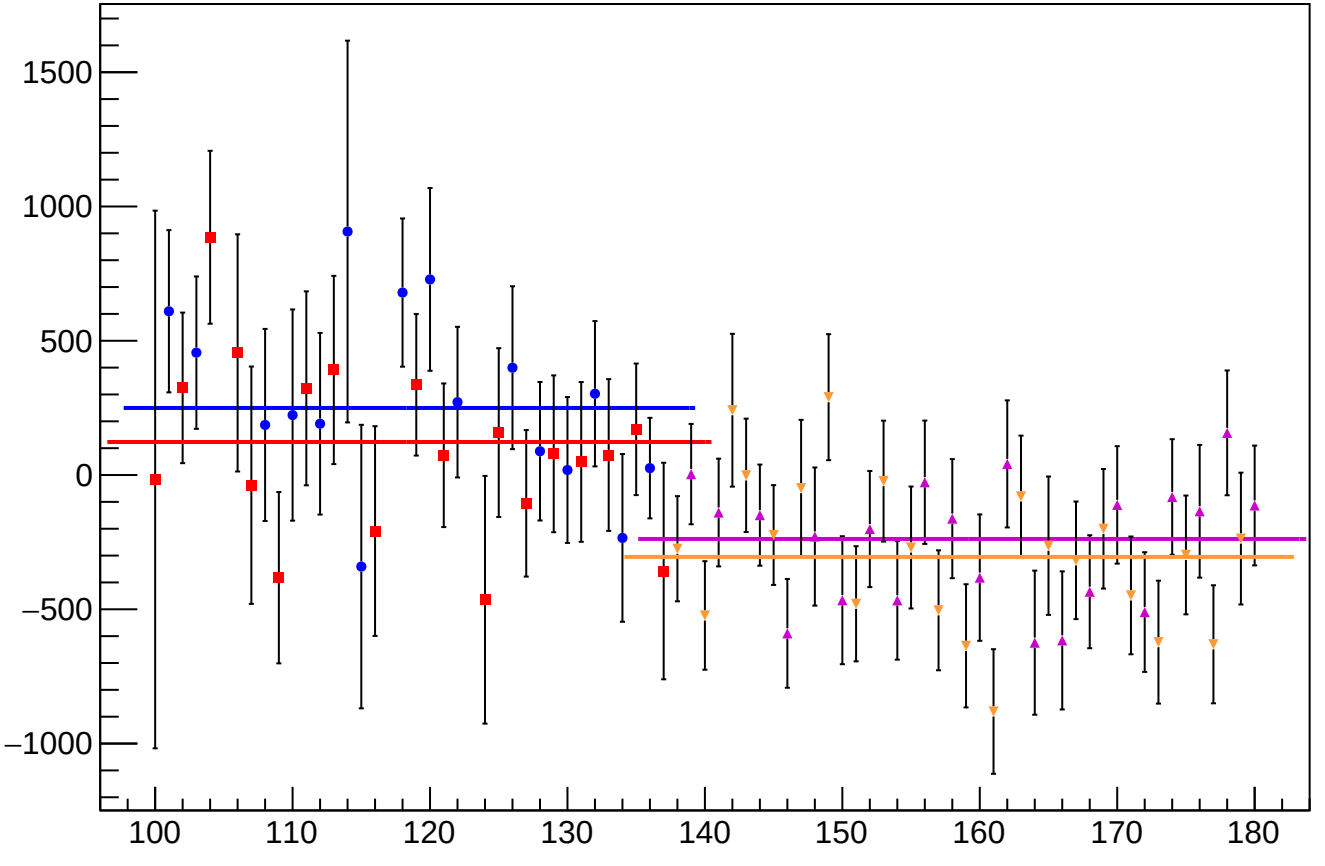
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3886145.5/36

Out: 0.000+/-0.000 χ^2/NDF:4891453.1/40

All: 0.000+/-0.000 χ^2/NDF: 8777614.1/77

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.934+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -238.115+/-48.497 χ^2/NDF:20.7/20

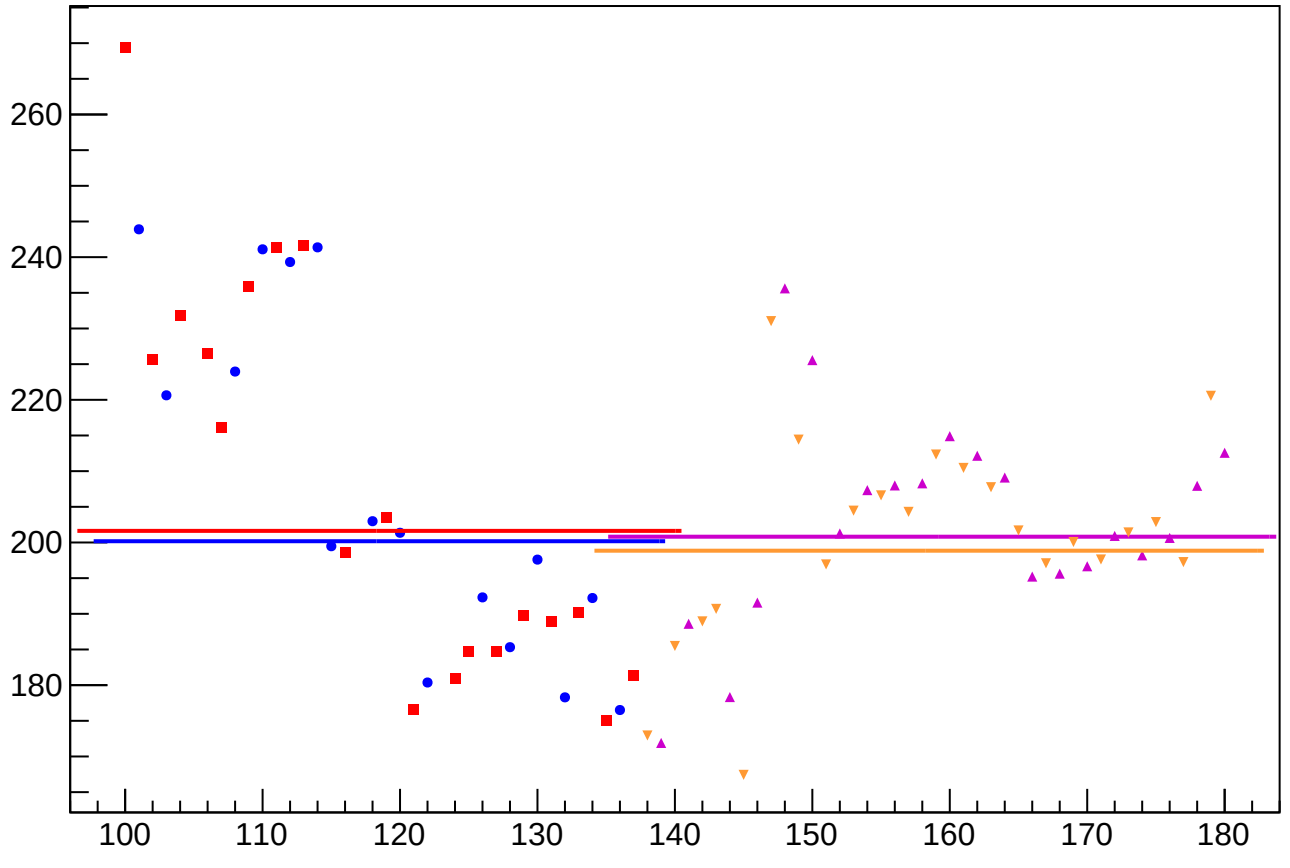
Left: -272.086+/-34.004 χ^2/NDF: 53.4/42

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -93.934+/-40.705 χ^2/NDF:64.4/36

Out: -180.242+/-40.145 χ^2/NDF:70.7/40

All: -137.686+/-28.583 χ^2/NDF: 137.4/77



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

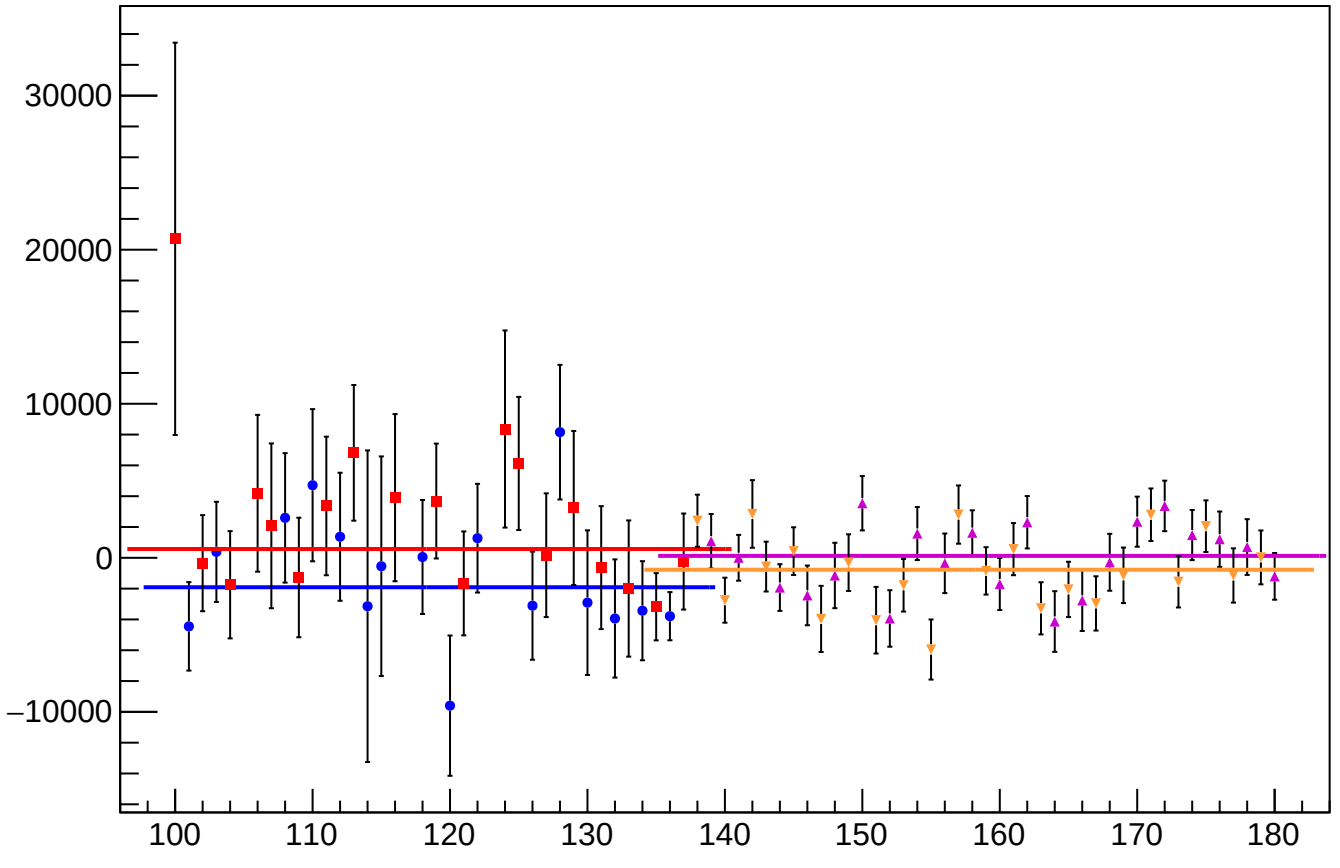
Left: 199.813+/-0.024 χ^2/NDF: 362434.0/42

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.623+/-0.029 χ^2/NDF:357610.7/36

Out: 199.658+/-0.028 χ^2/NDF:383485.1/40

All: 200.134+/-0.020 χ^2/NDF: 741665.7/77



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -773.484+/-372.584 χ^2/NDF:36.9/21

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 125.995+/-376.017 χ^2/NDF:32.1/20

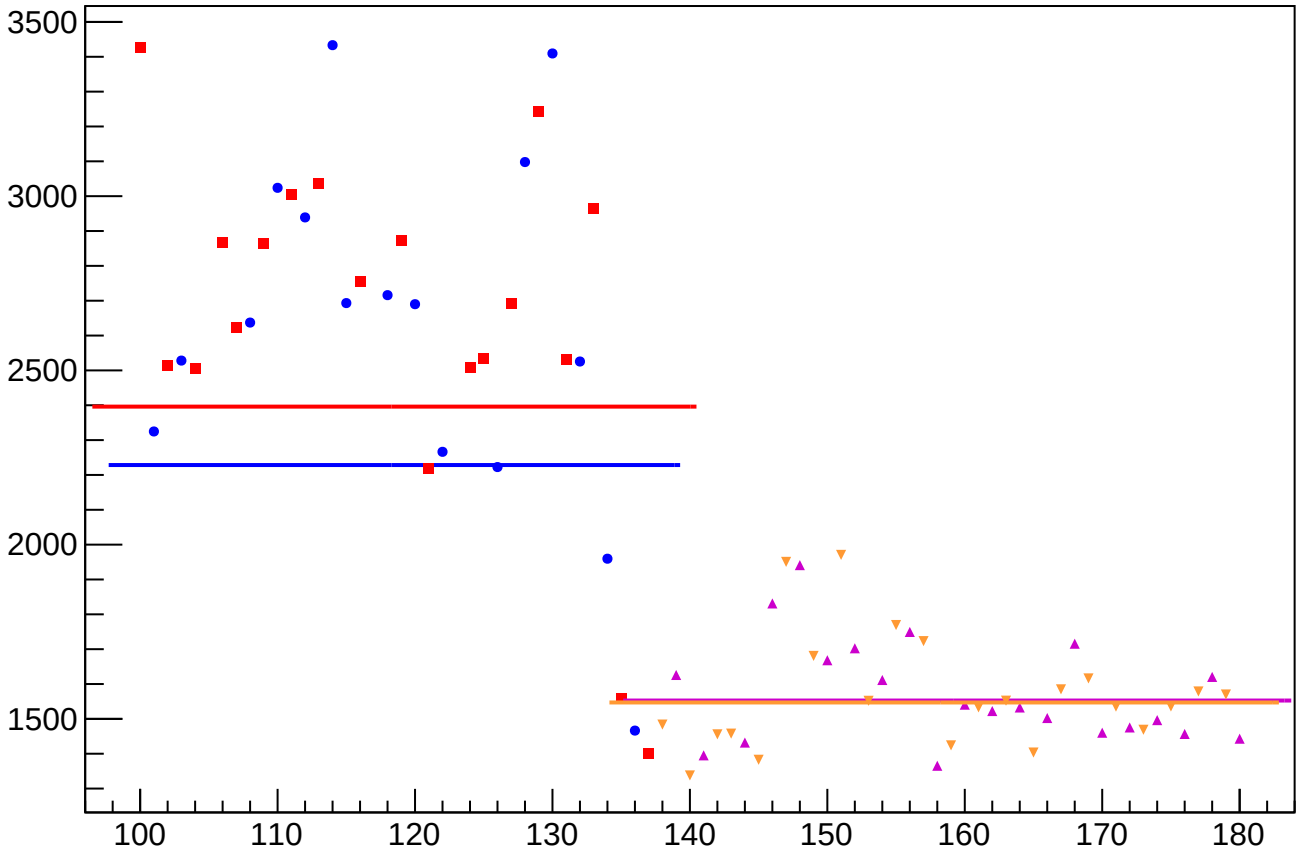
Left: -327.870+/-264.662 χ^2/NDF: 71.9/42

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -201.398+/-344.466 χ^2/NDF:53.1/36

Out: -576.953+/-344.276 χ^2/NDF:53.4/40

All: -389.280+/-243.507 χ^2/NDF: 107.1/77



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1552.633+/-0.266 χ^2/NDF:275025.1/20

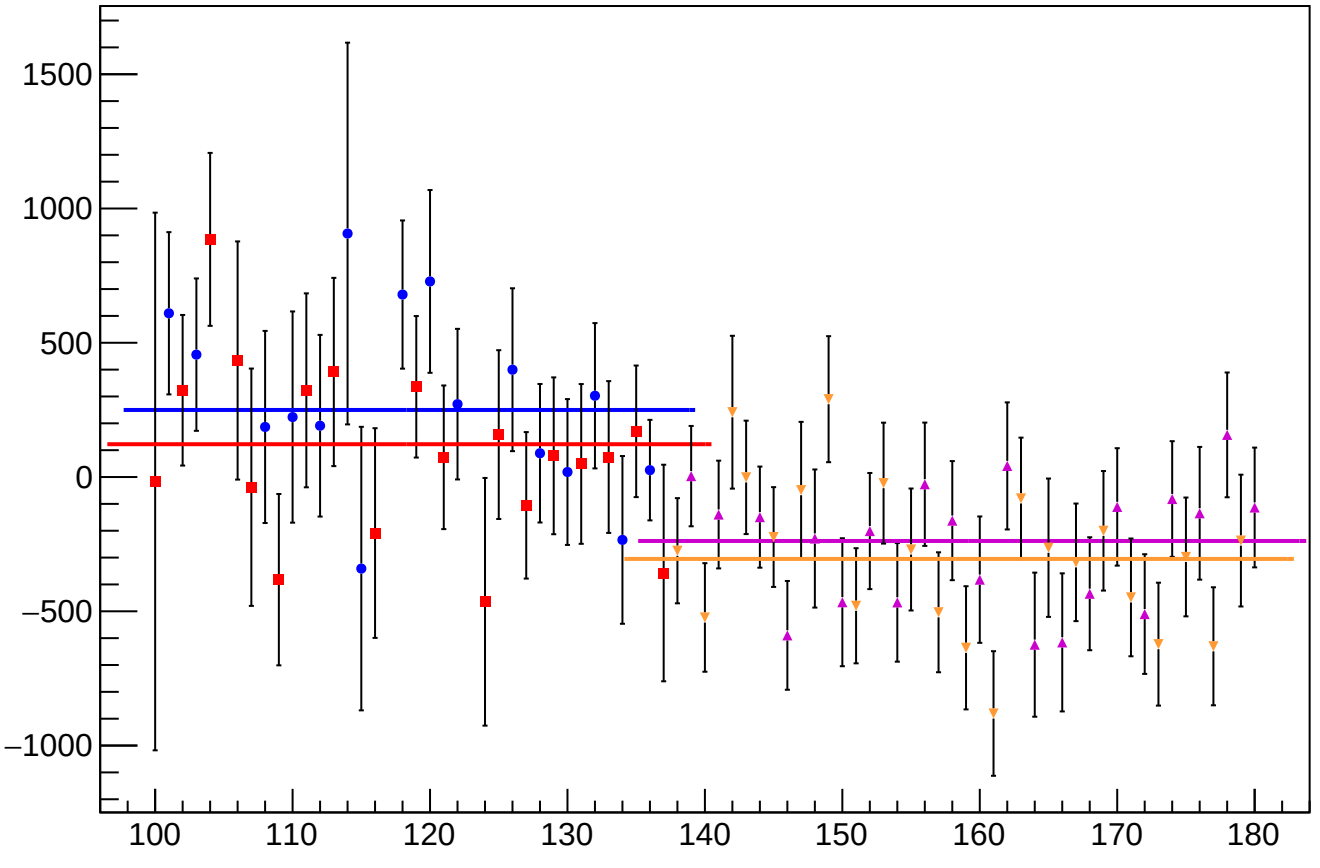
Left: 1549.827+/-0.187 χ^2/NDF: 587676.6/42

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1661.285+/-0.244 χ^2/NDF:2261325.6/36

Out: 1671.181+/-0.243 χ^2/NDF:2629966.5/40

All: 1666.236+/-0.172 χ^2/NDF: 4892118.0/77



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -238.121+/-48.497 χ^2/NDF:20.7/20

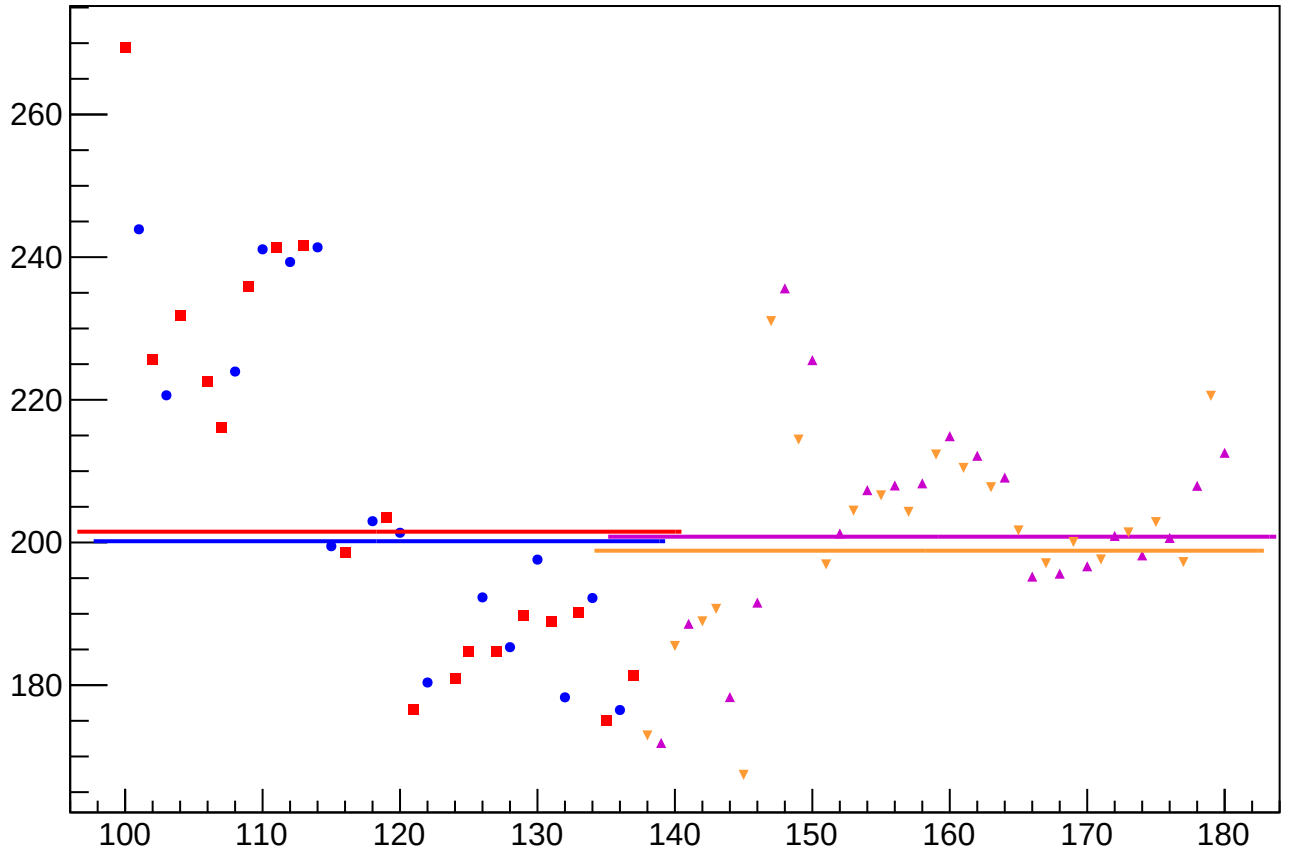
Left: -272.088+/-34.004 χ^2/NDF: 53.4/42

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.937+/-40.705 χ^2/NDF:64.4/36

Out: -180.494+/-40.147 χ^2/NDF:70.6/40

All: -137.814+/-28.583 χ^2/NDF: 137.3/77



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

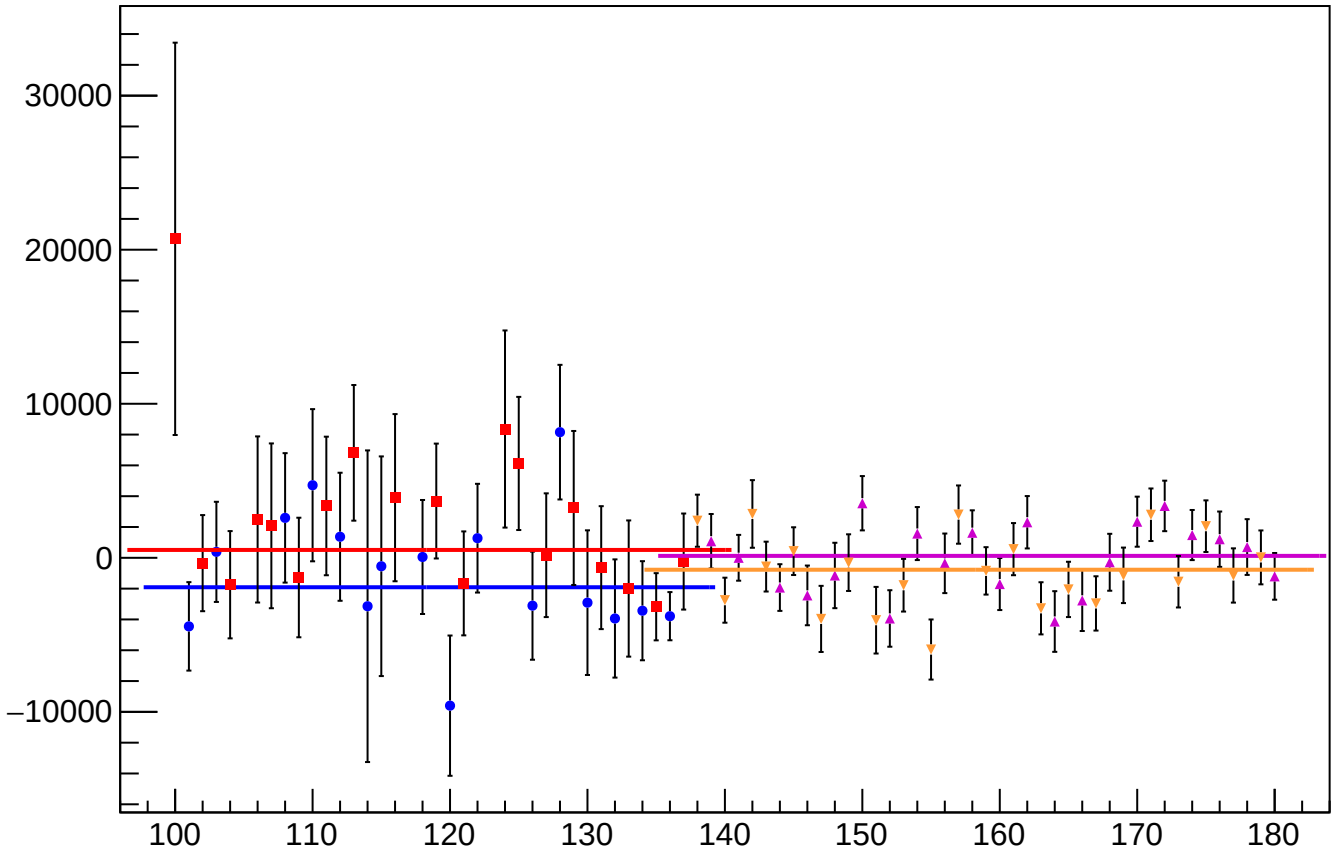
Left: 199.813+/-0.024 χ^2/NDF: 362434.1/42

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.623+/-0.029 χ^2/NDF:357611.0/36

Out: 199.625+/-0.028 χ^2/NDF:381512.9/40

All: 200.117+/-0.020 χ^2/NDF: 739733.5/77



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 125.996+/-376.017 χ^2/NDF:32.1/20

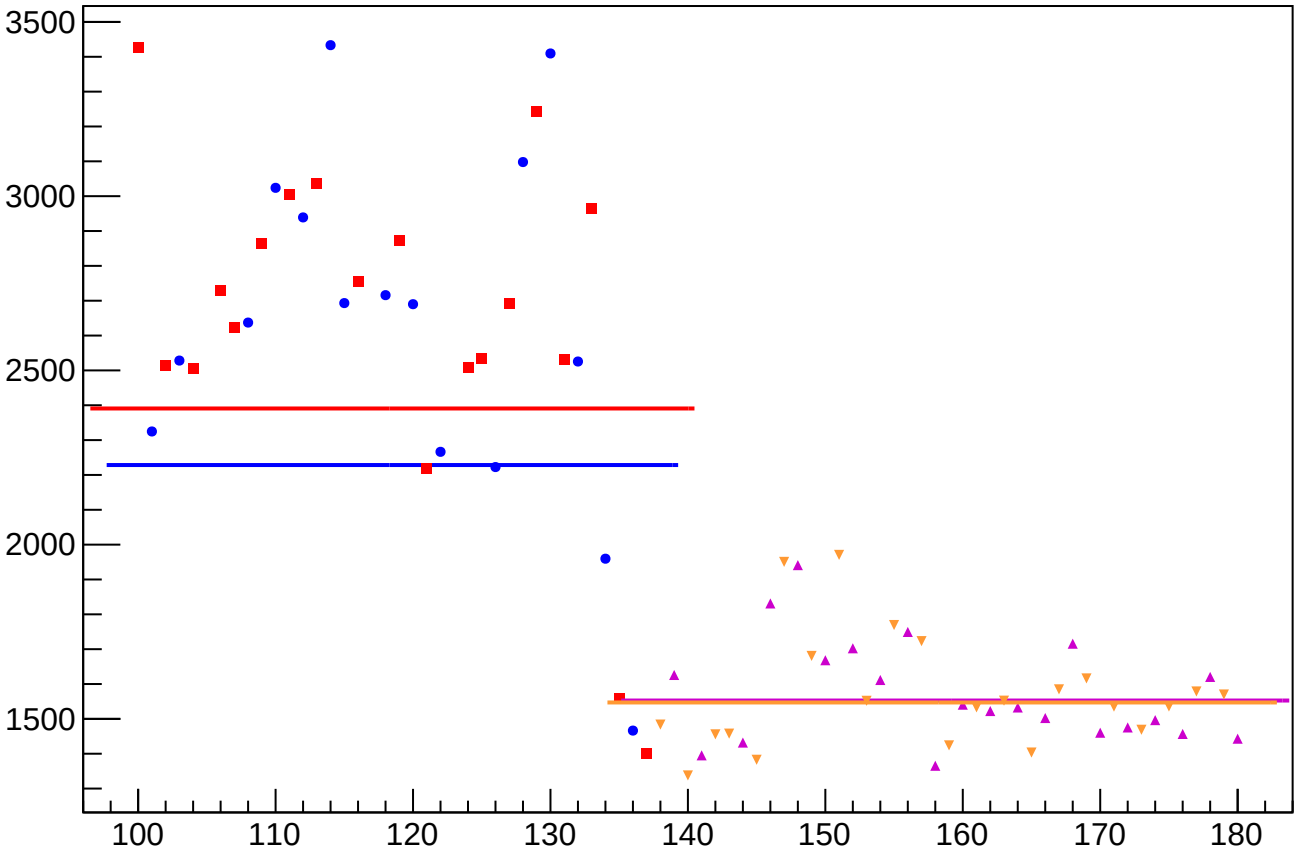
Left: -327.872+/-264.662 χ^2/NDF: 71.9/42

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -201.390+/-344.467 χ^2/NDF:53.1/36

Out: -586.235+/-344.363 χ^2/NDF:52.8/40

All: -393.870+/-243.538 χ^2/NDF: 106.6/77



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

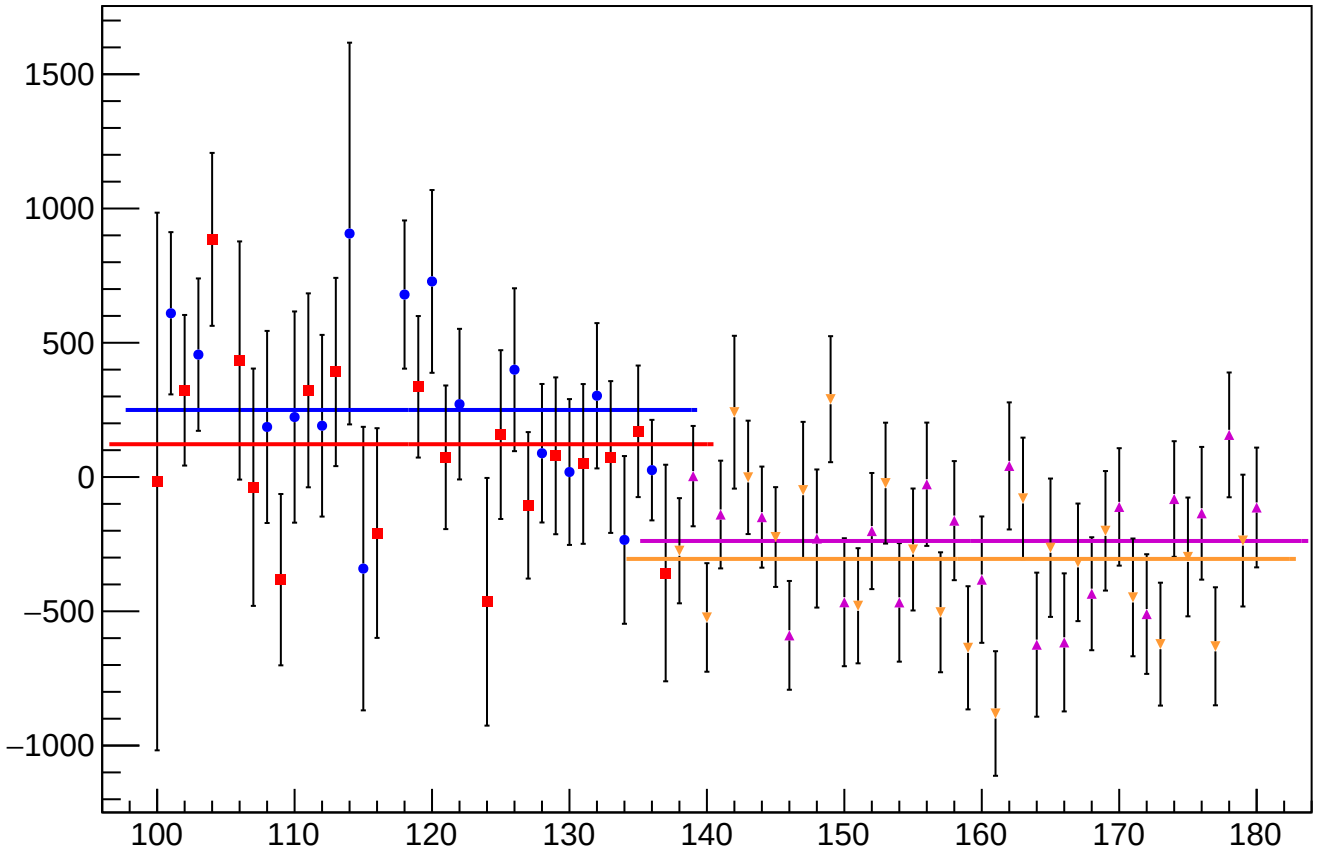
Left: 1549.827+/-0.187 χ^2/NDF: 587678.6/42

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1661.285+/-0.244 χ^2/NDF:2261340.0/36

Out: 1670.035+/-0.244 χ^2/NDF:2597026.1/40

All: 1665.661+/-0.172 χ^2/NDF: 4859011.5/77



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -238.121+/-48.497 χ^2/NDF:20.7/20

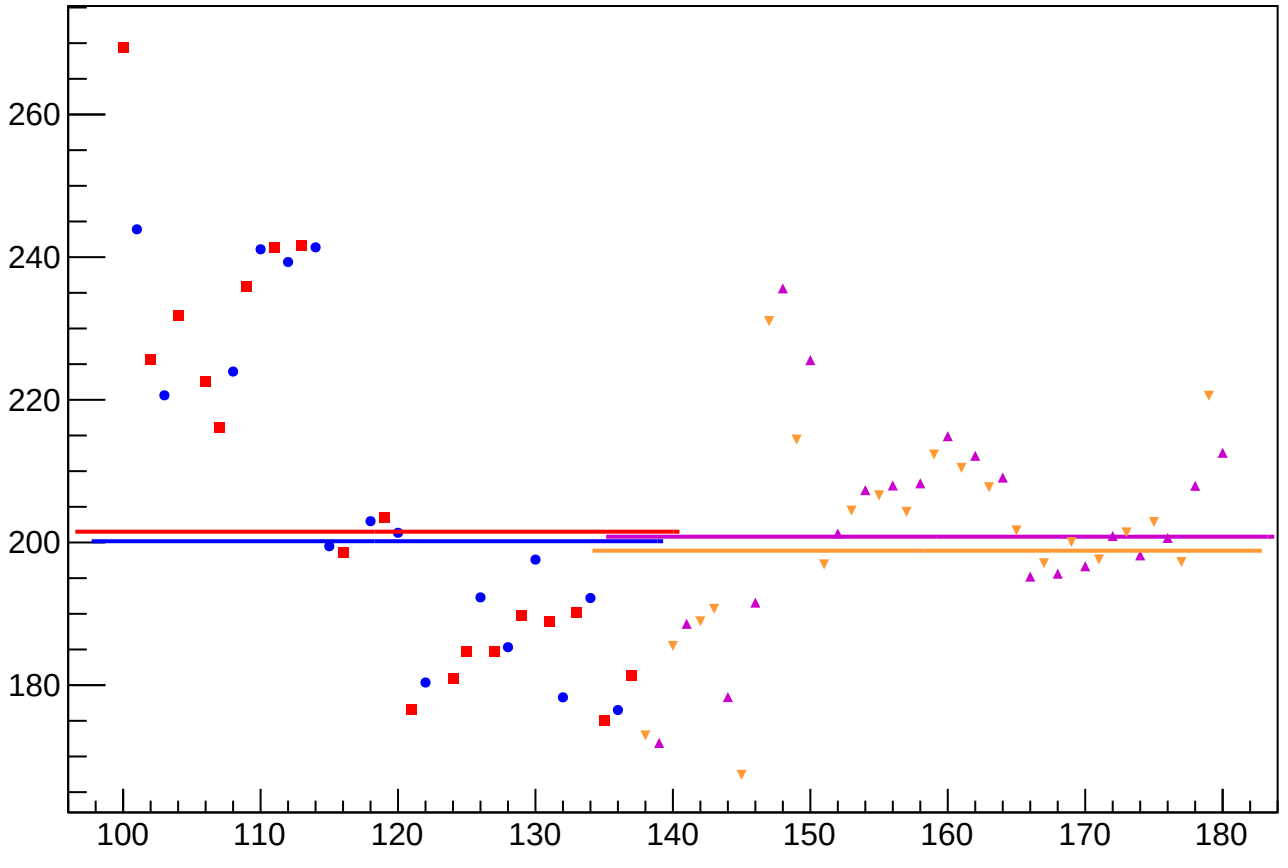
Left: -272.088+/-34.004 χ^2/NDF: 53.4/42

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.937+/-40.705 χ^2/NDF:64.4/36

Out: -180.494+/-40.147 χ^2/NDF:70.6/40

All: -137.814+/-28.583 χ^2/NDF: 137.3/77



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.811+/-0.034 χ^2/NDF:176508.3/20

Left: 199.813+/-0.024 χ^2/NDF: 362434.1/42

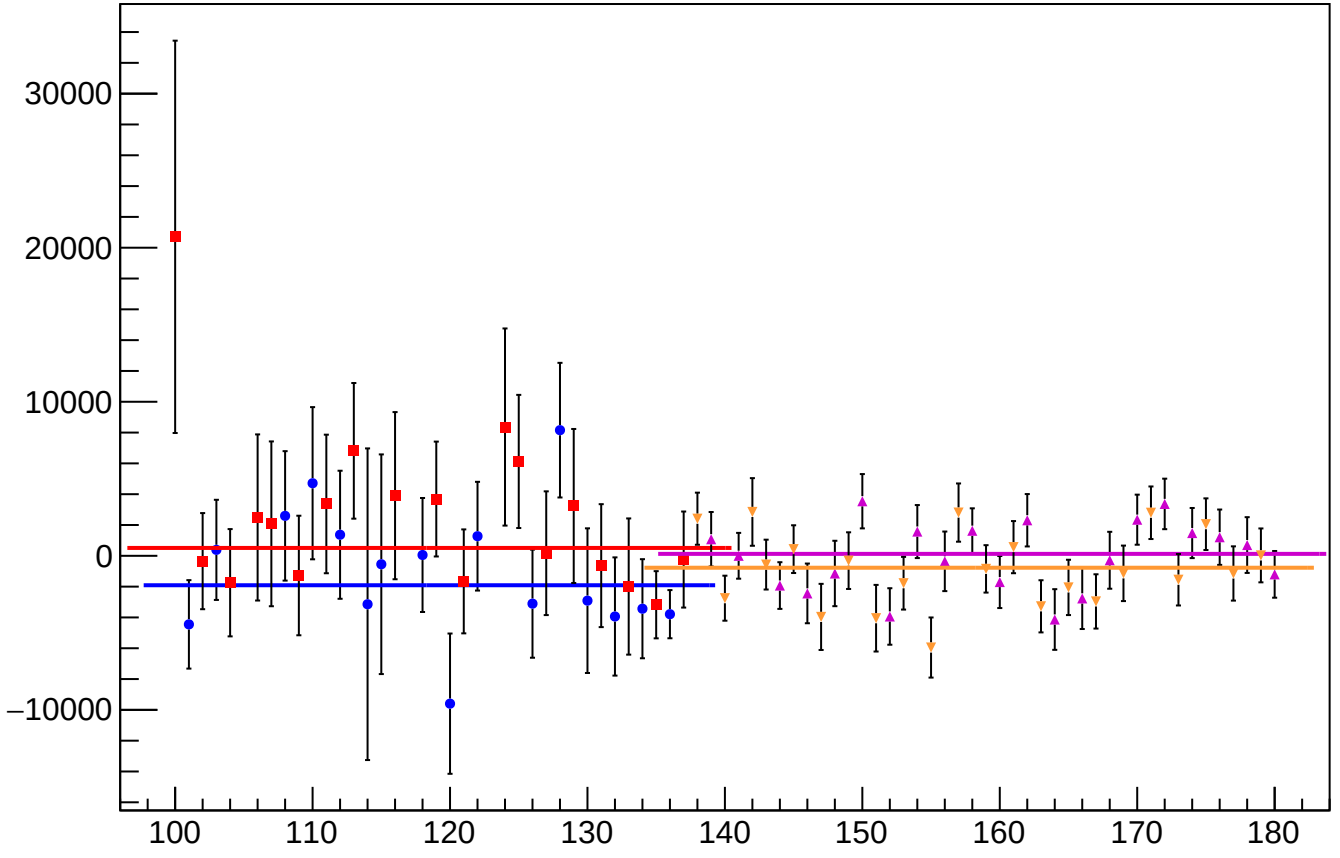
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.623+/-0.029 χ^2/NDF:357611.0/36

Out: 199.625+/-0.028 χ^2/NDF:381512.9/40

All: 200.117+/-0.020 χ^2/NDF: 739733.5/77

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 125.996+/-376.017 χ^2/NDF:32.1/20

Left: -327.872+/-264.662 χ^2/NDF: 71.9/42

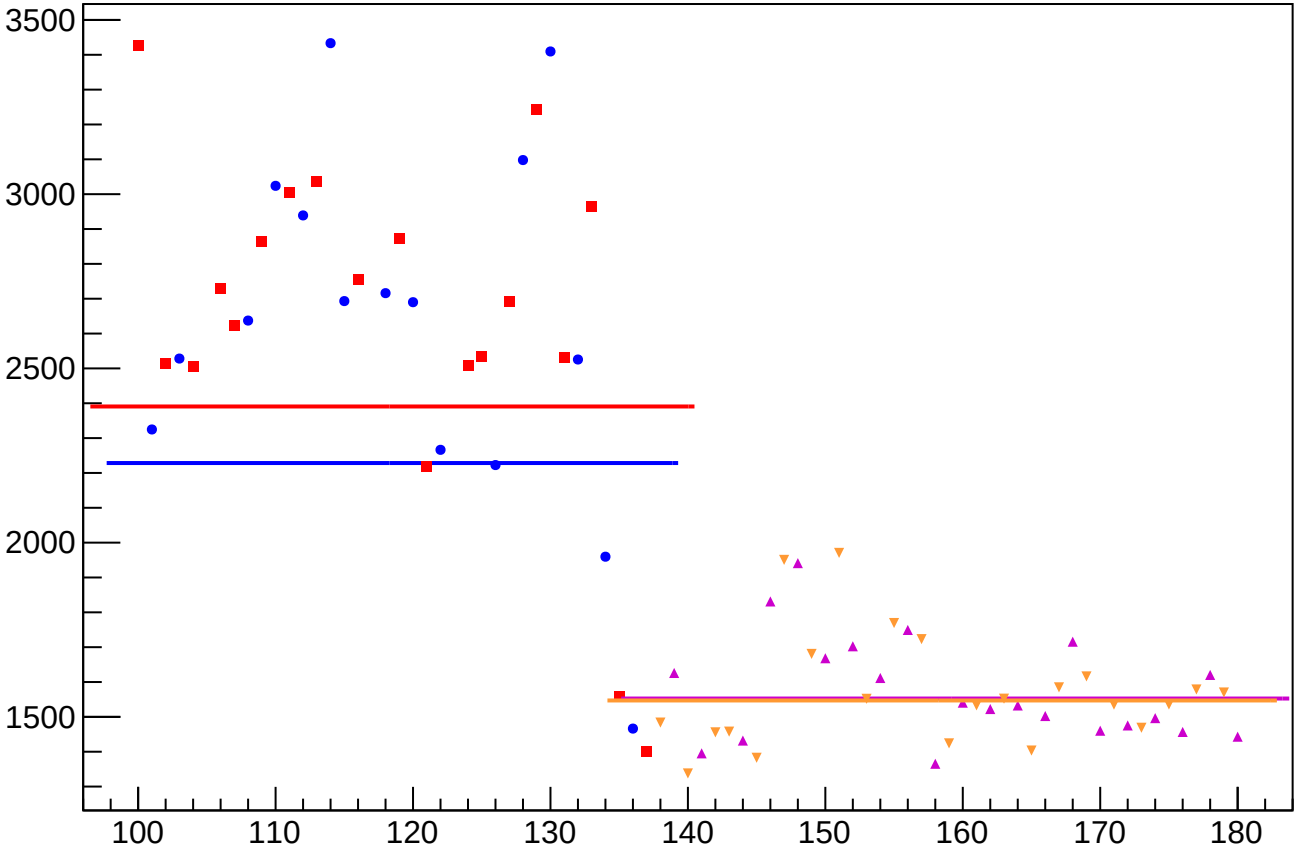
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -201.390+/-344.467 χ^2/NDF:53.1/36

Out: -586.235+/-344.363 χ^2/NDF:52.8/40

All: -393.870+/-243.538 χ^2/NDF: 106.6/77

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: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1552.633+/-0.266 χ^2/NDF:275027.2/20

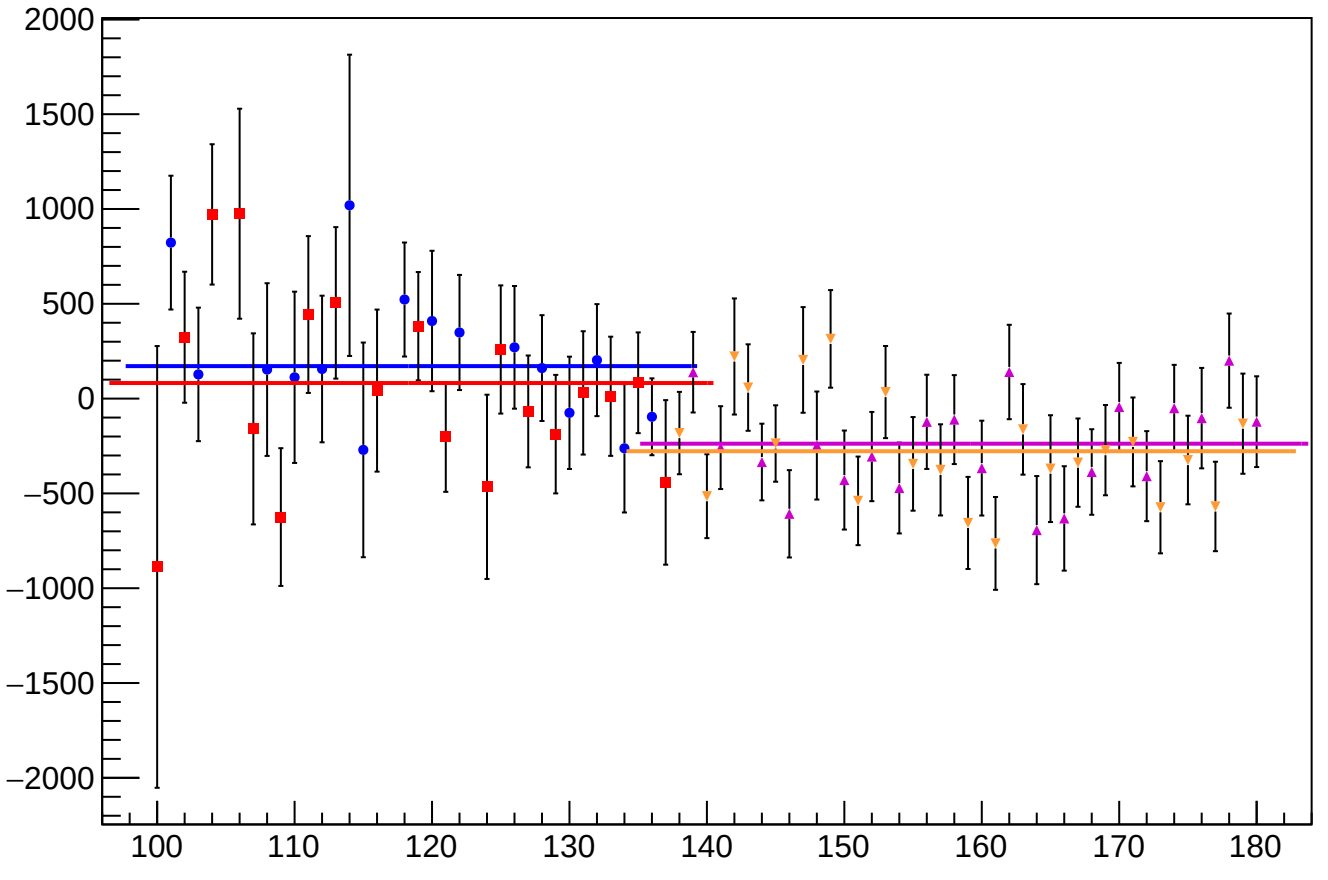
Left: 1549.827+/-0.187 χ^2/NDF: 587678.6/42

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1661.285+/-0.244 χ^2/NDF:2261340.0/36

Out: 1670.035+/-0.244 χ^2/NDF:2597026.1/40

All: 1665.661+/-0.172 χ^2/NDF: 4859011.5/77



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -277.477+/-51.386 χ^2/NDF:27.8/21

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -237.813+/-52.429 χ^2/NDF:21.1/20

Left: -258.043+/-36.698 χ^2/NDF: 49.2/42

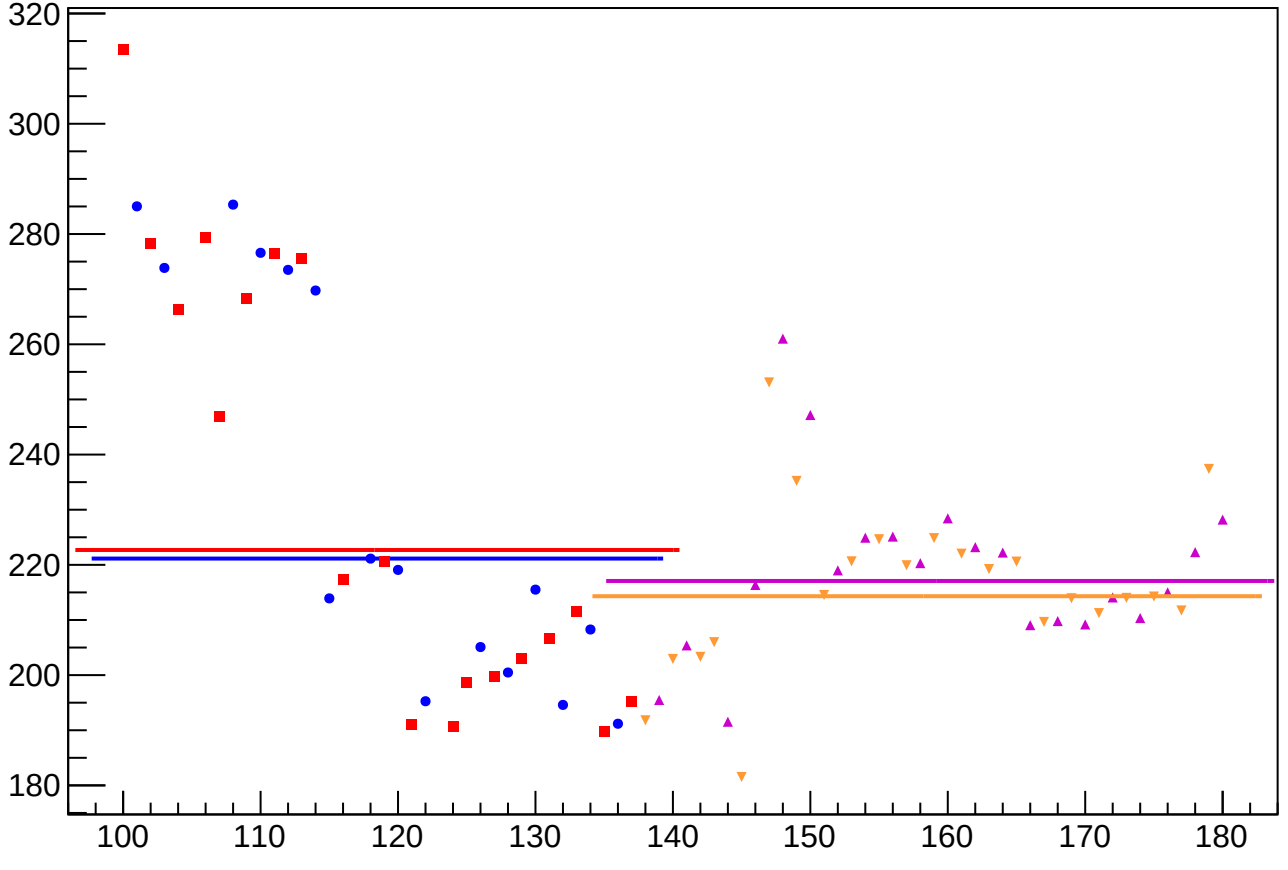
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.375+/-44.344 χ^2/NDF:50.0/36

Out: -177.035+/-43.624 χ^2/NDF:63.1/40

All: -149.661+/-31.098 χ^2/NDF: 113.9/77

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 214.311+/-0.036 χ^2/NDF:167136.8/21

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.077+/-0.037 χ^2/NDF:156651.2/20

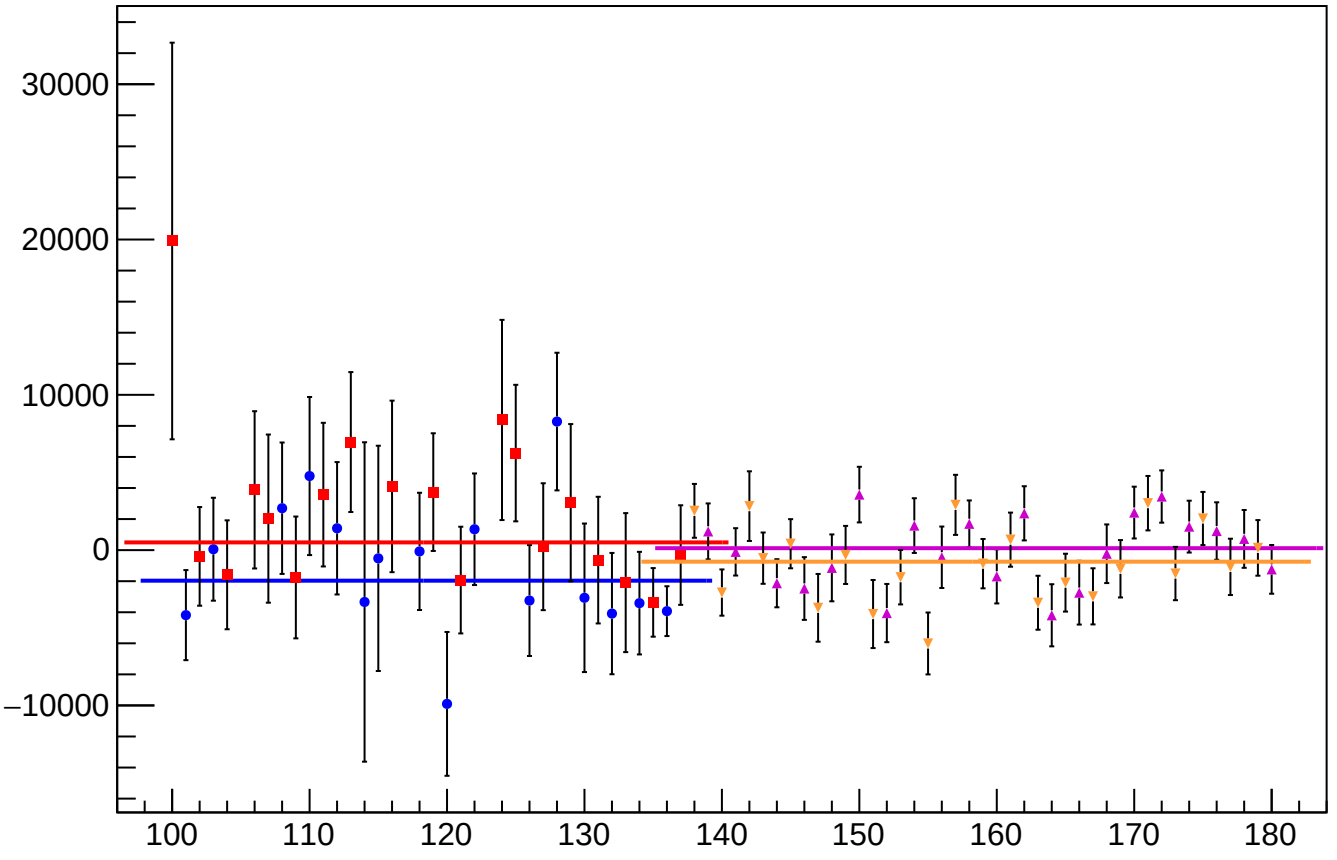
Left: 215.666+/-0.026 χ^2/NDF: 326627.6/42

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.233+/-0.031 χ^2/NDF:478770.0/36

Out: 216.653+/-0.031 χ^2/NDF:509046.8/40

All: 217.430+/-0.022 χ^2/NDF: 989107.3/77



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -743.891+/-381.675 χ^2/NDF:36.4/21

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 125.257+/-385.879 χ^2/NDF:32.1/20

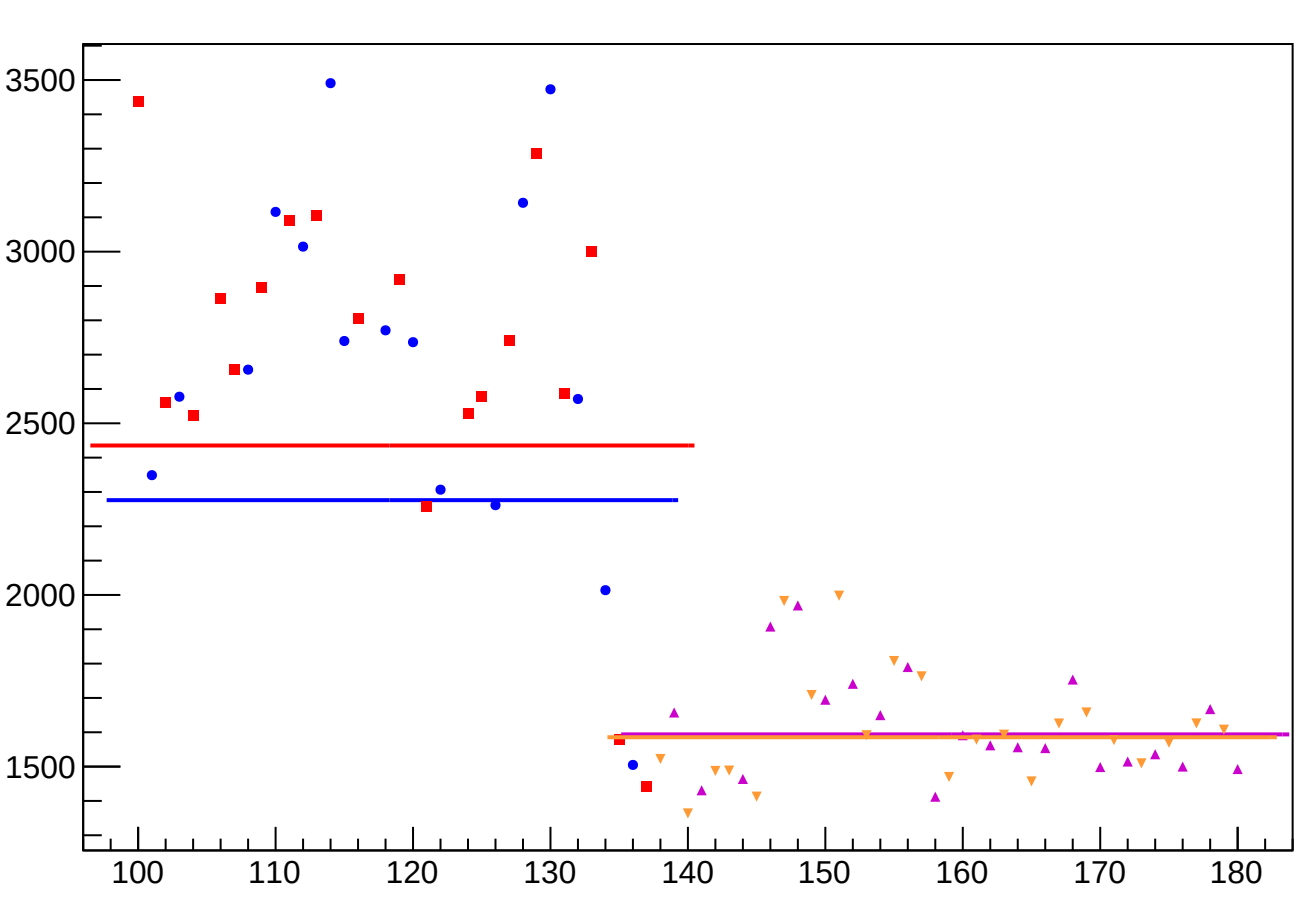
Left: -314.076+/-271.359 χ^2/NDF: 71.1/42

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -214.422+/-353.175 χ^2/NDF:53.1/36

Out: -559.854+/-352.244 χ^2/NDF:52.8/40

All: -387.594+/-249.403 χ^2/NDF: 106.3/77



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298919.5/21

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1593.810+/-0.273 χ^2/NDF:264485.3/20

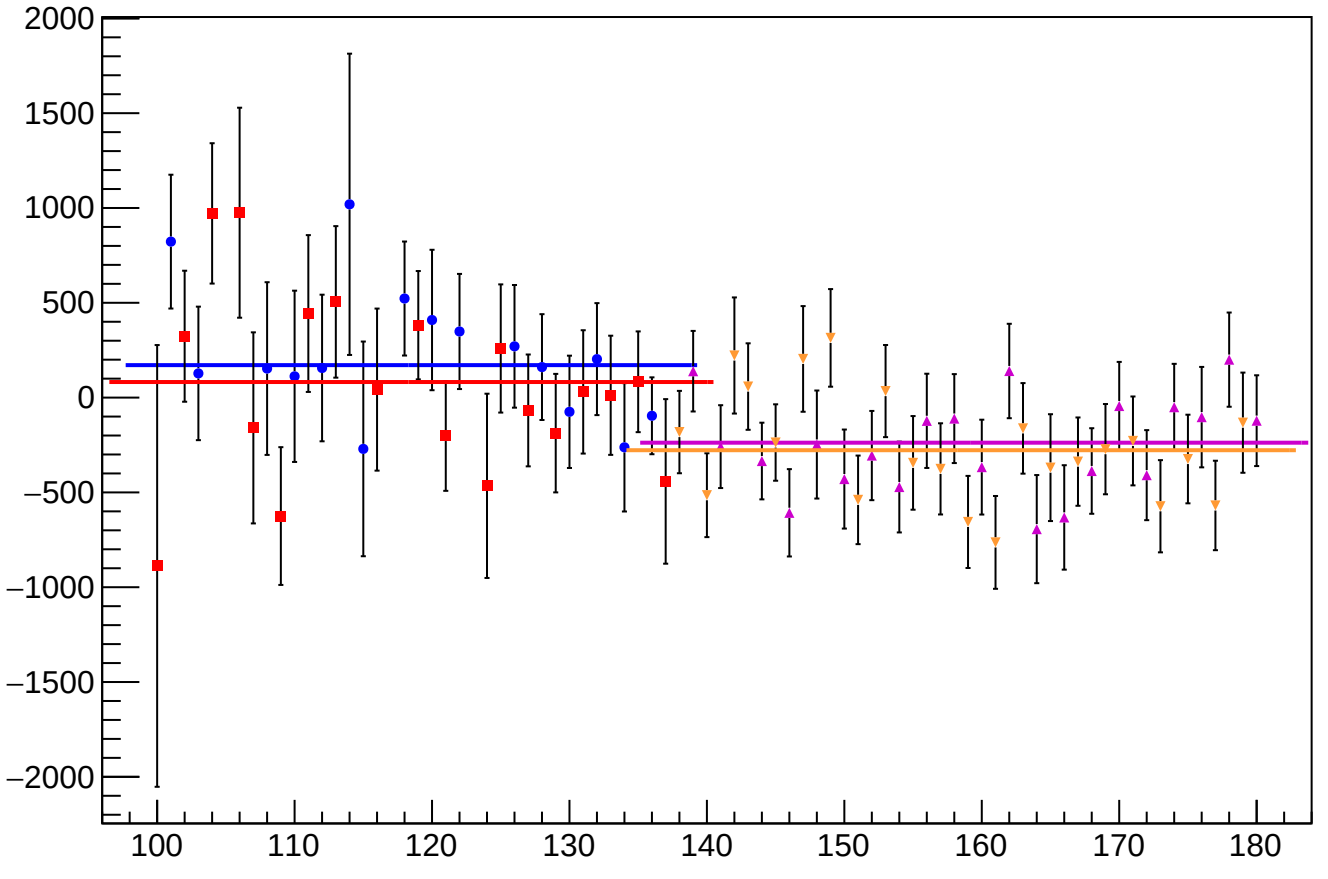
Left: 1589.602+/-0.192 χ^2/NDF: 563875.4/42

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1704.564+/-0.250 χ^2/NDF:2206495.2/36

Out: 1711.501+/-0.249 χ^2/NDF:2560780.7/40

All: 1708.042+/-0.176 χ^2/NDF: 4767662.6/77



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -277.480+/-51.386 χ^2/NDF:27.8/21

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -237.814+/-52.428 χ^2/NDF:21.1/20

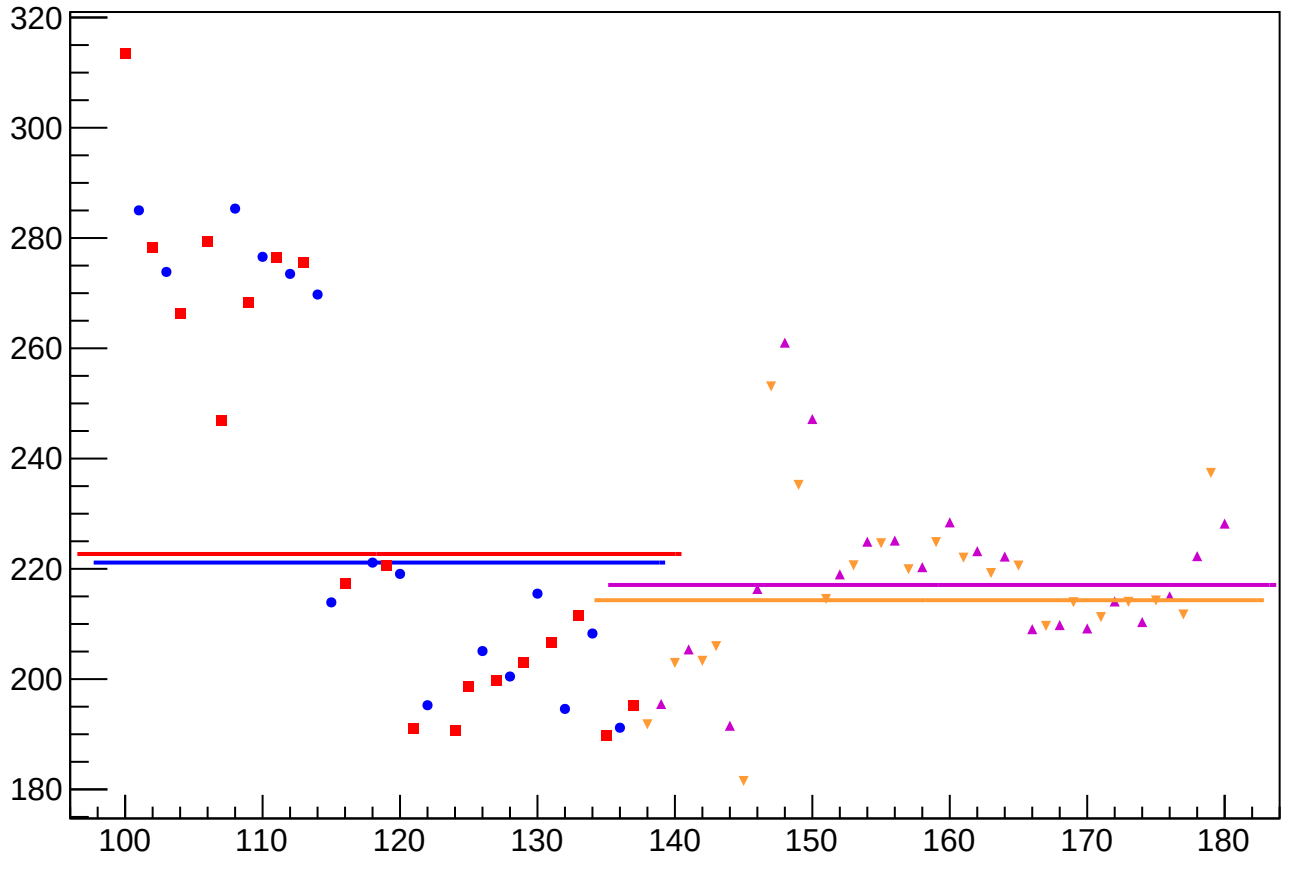
Left: -258.045+/-36.698 χ^2/NDF: 49.2/42

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.375+/-44.343 χ^2/NDF:50.0/36

Out: -177.037+/-43.624 χ^2/NDF:63.1/40

All: -149.661+/-31.098 χ^2/NDF: 113.9/77



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 214.311+/-0.036 χ^2/NDF:167141.0/21

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.077+/-0.037 χ^2/NDF:156653.8/20

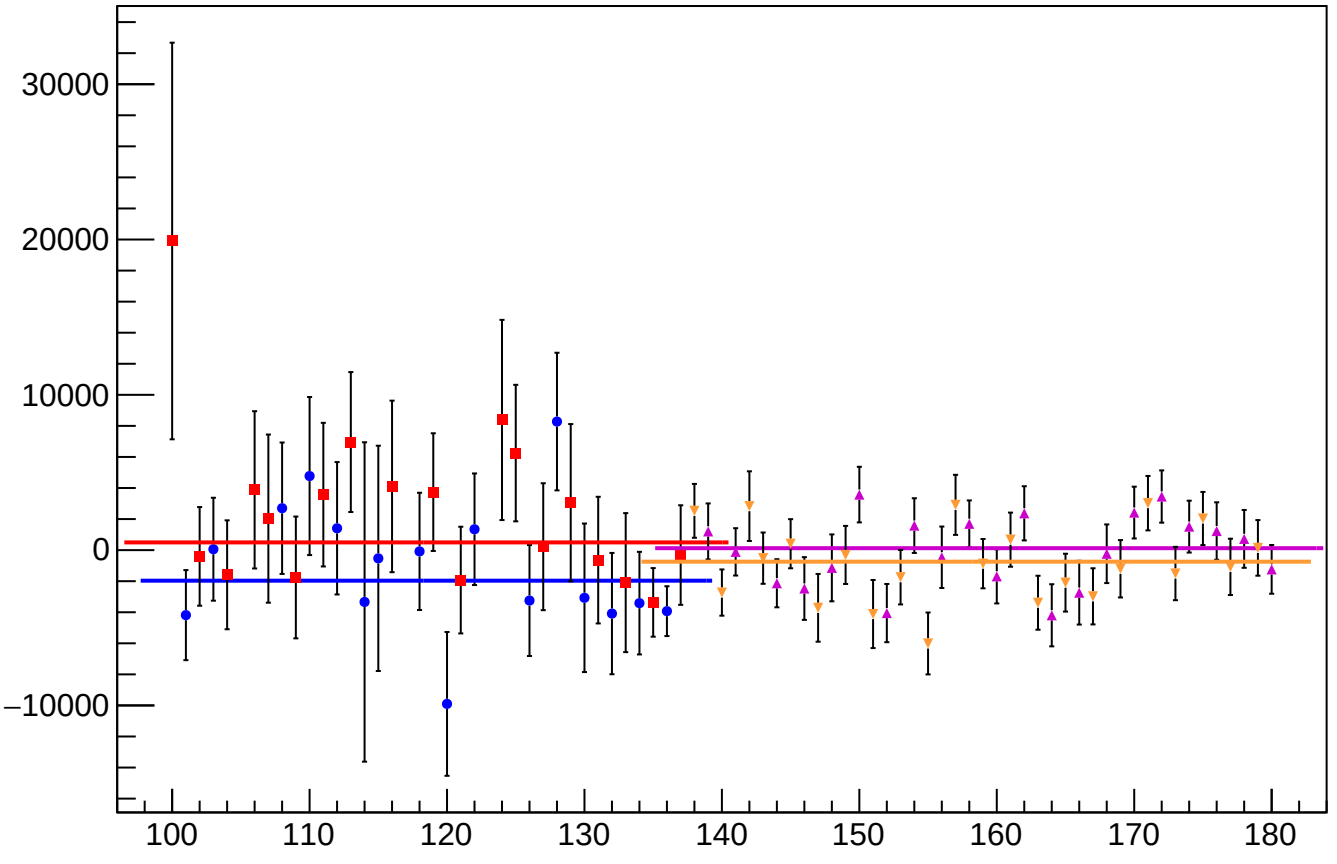
Left: 215.666+/-0.026 χ^2/NDF: 326634.3/42

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.233+/-0.031 χ^2/NDF:478765.9/36

Out: 216.653+/-0.031 χ^2/NDF:509041.2/40

All: 217.430+/-0.022 χ^2/NDF: 989097.3/77



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -743.892+/-381.675 χ^2/NDF:36.4/21

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 125.258+/-385.879 χ^2/NDF:32.1/20

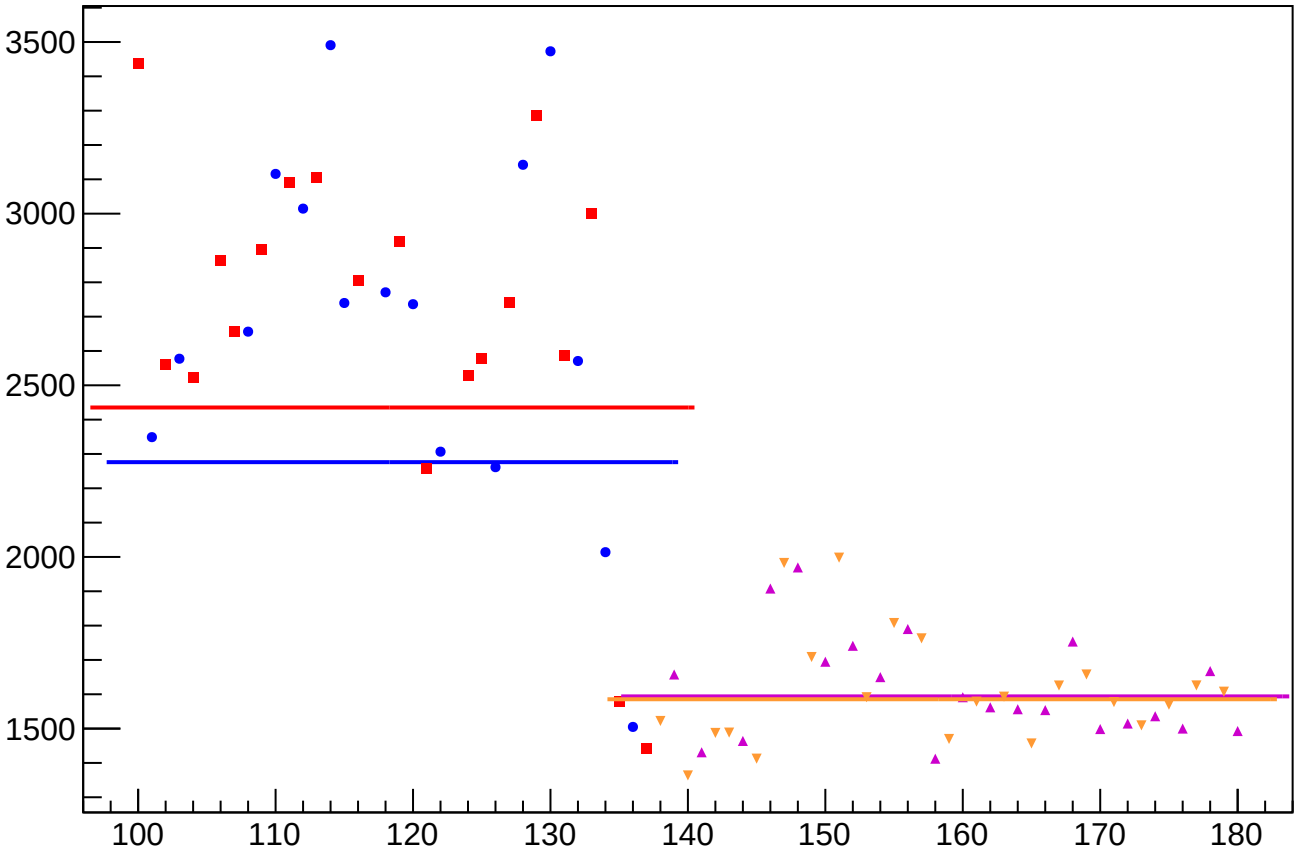
Left: -314.076+/-271.359 χ^2/NDF: 71.1/42

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -214.421+/-353.175 χ^2/NDF:53.1/36

Out: -559.854+/-352.244 χ^2/NDF:52.8/40

All: -387.594+/-249.403 χ^2/NDF: 106.3/77



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298922.3/21

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1593.811+/-0.273 χ^2/NDF:264486.4/20

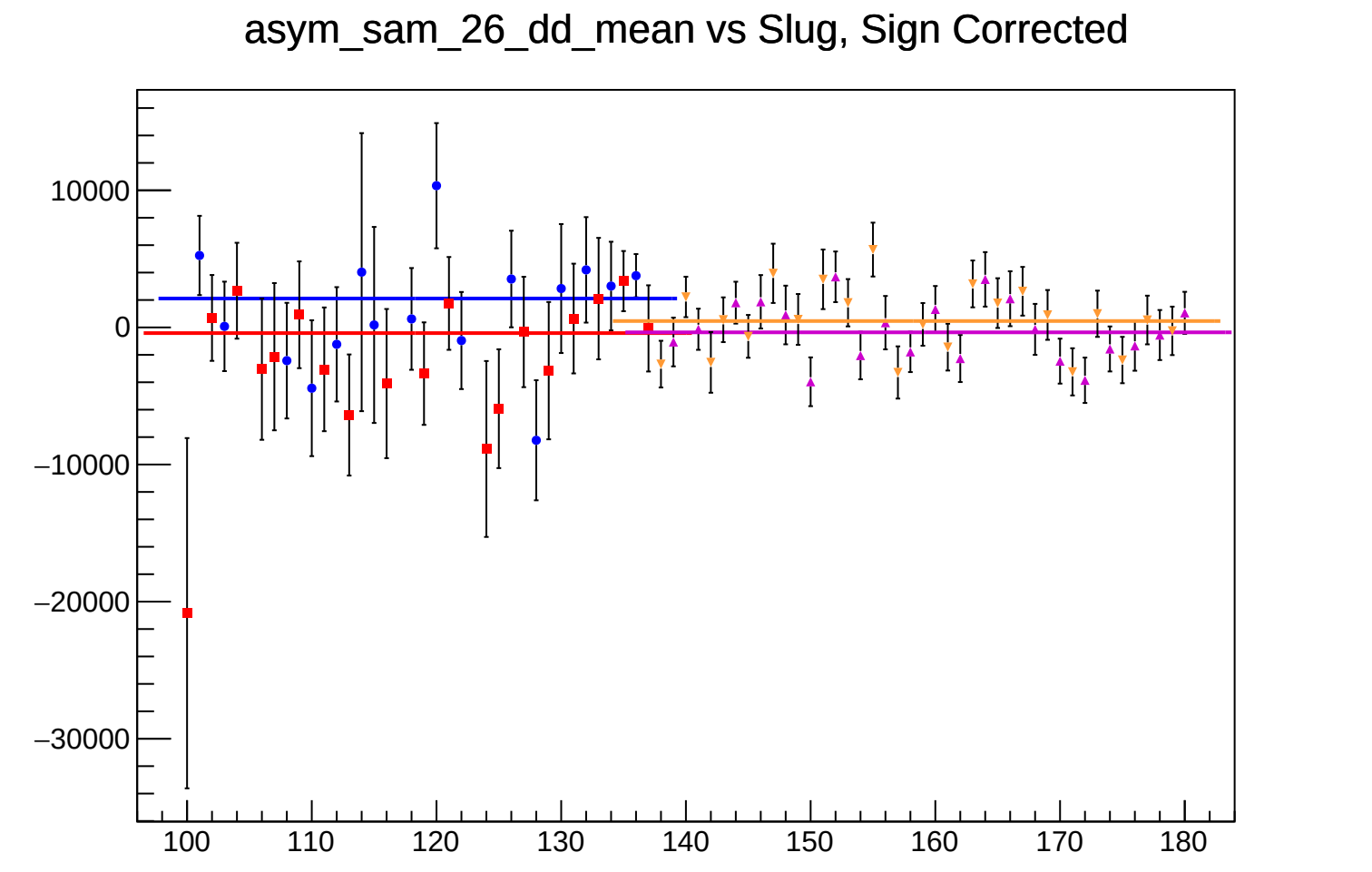
Left: 1589.602+/-0.192 χ^2/NDF: 563879.3/42

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1704.564+/-0.250 χ^2/NDF:2206480.4/36

Out: 1711.501+/-0.249 χ^2/NDF:2560767.6/40

All: 1708.042+/-0.176 χ^2/NDF: 4767634.8/77



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 466.094+/-375.763 χ^2/NDF:36.9/21

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -358.947+/-379.295 χ^2/NDF:30.1/20

Left: 57.432+/-266.945 χ^2/NDF: 69.3/42

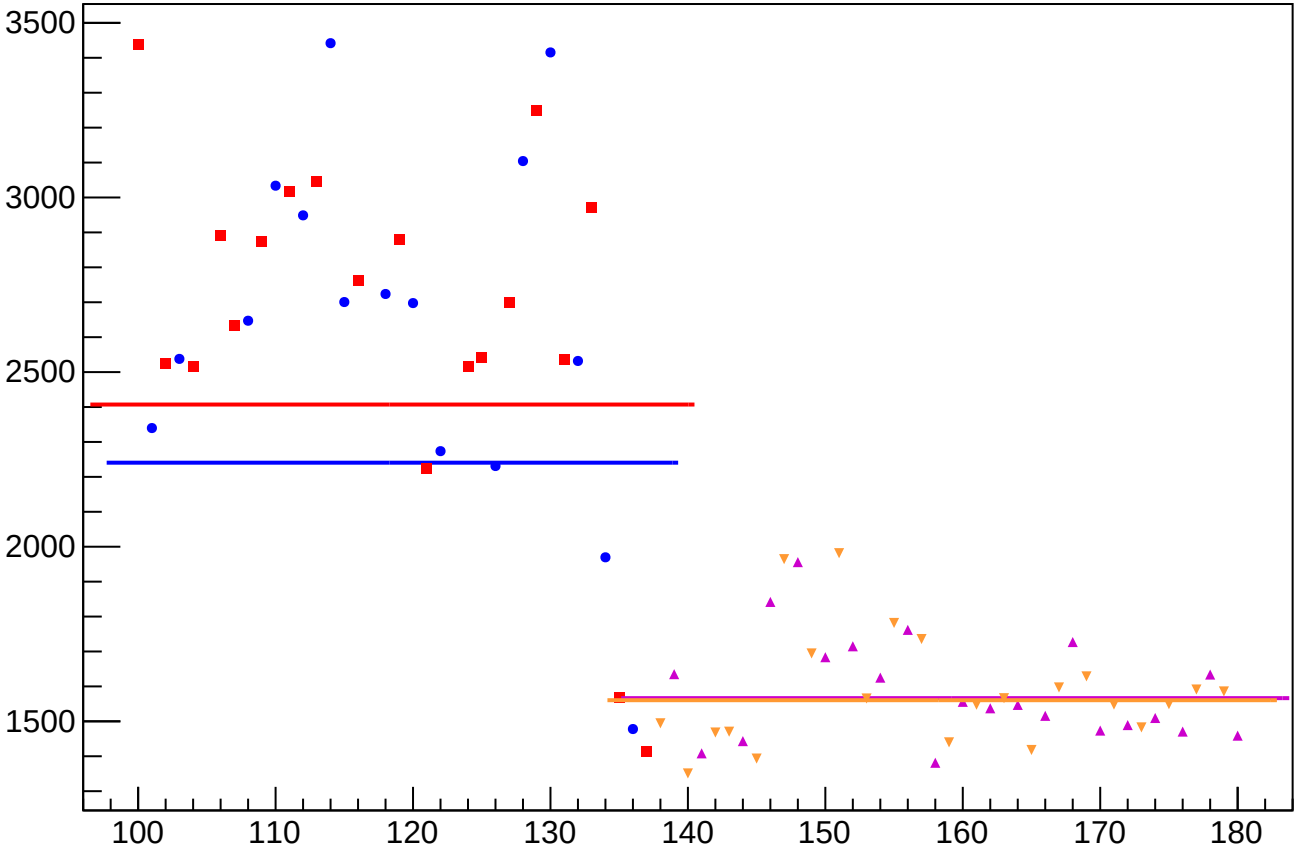
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 40.460+/-347.256 χ^2/NDF:53.6/36

Out: 336.522+/-347.005 χ^2/NDF:52.3/40

All: 188.598+/-245.458 χ^2/NDF: 106.3/77

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1560.507+/-0.266 χ^2/NDF:307119.4/21

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1566.402+/-0.268 χ^2/NDF:268466.9/20

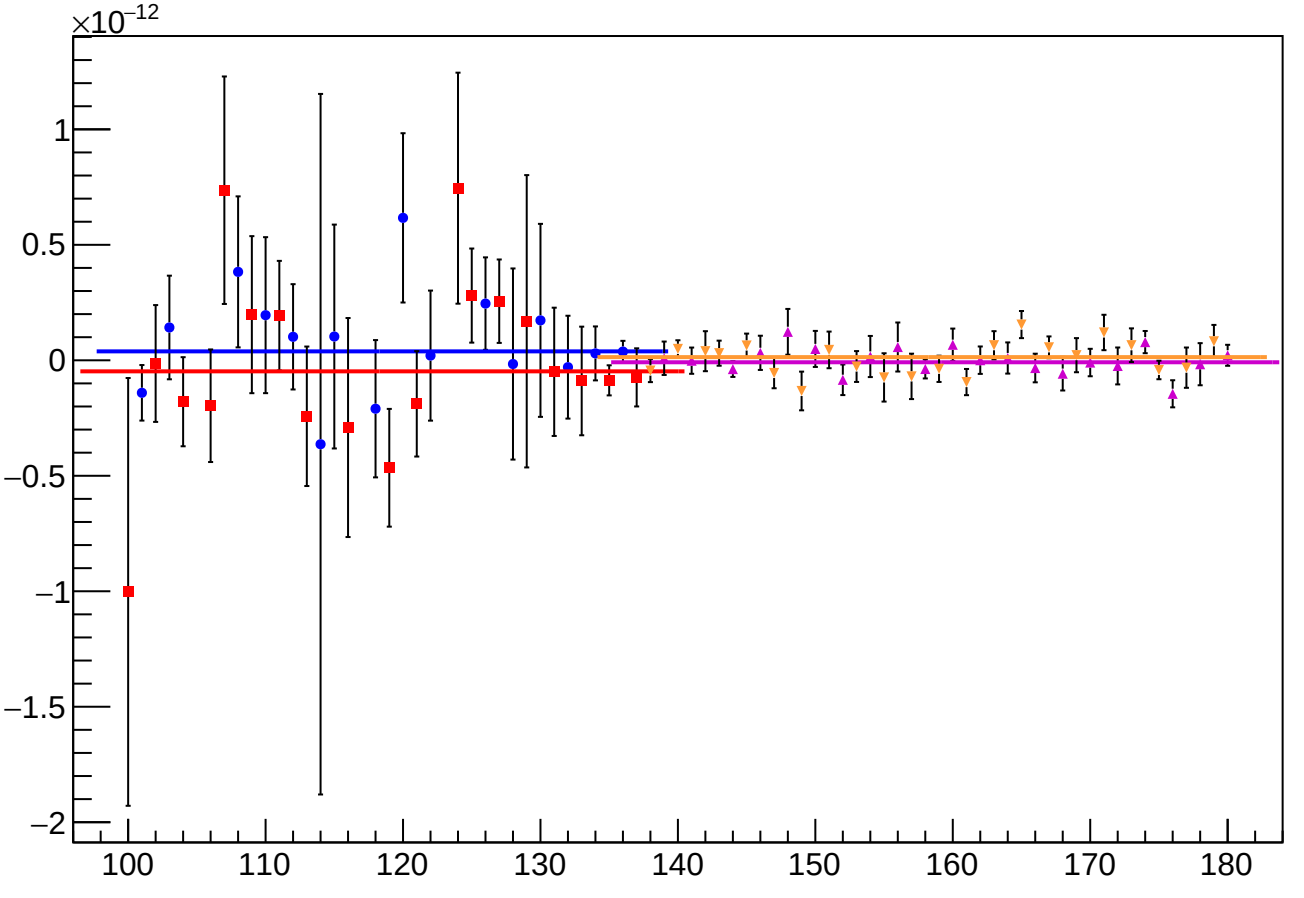
Left: 1563.427+/-0.189 χ^2/NDF: 575830.0/42

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1675.493+/-0.246 χ^2/NDF:2224574.5/36

Out: 1685.137+/-0.245 χ^2/NDF:2590651.0/40

All: 1680.319+/-0.174 χ^2/NDF: 4815997.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/20

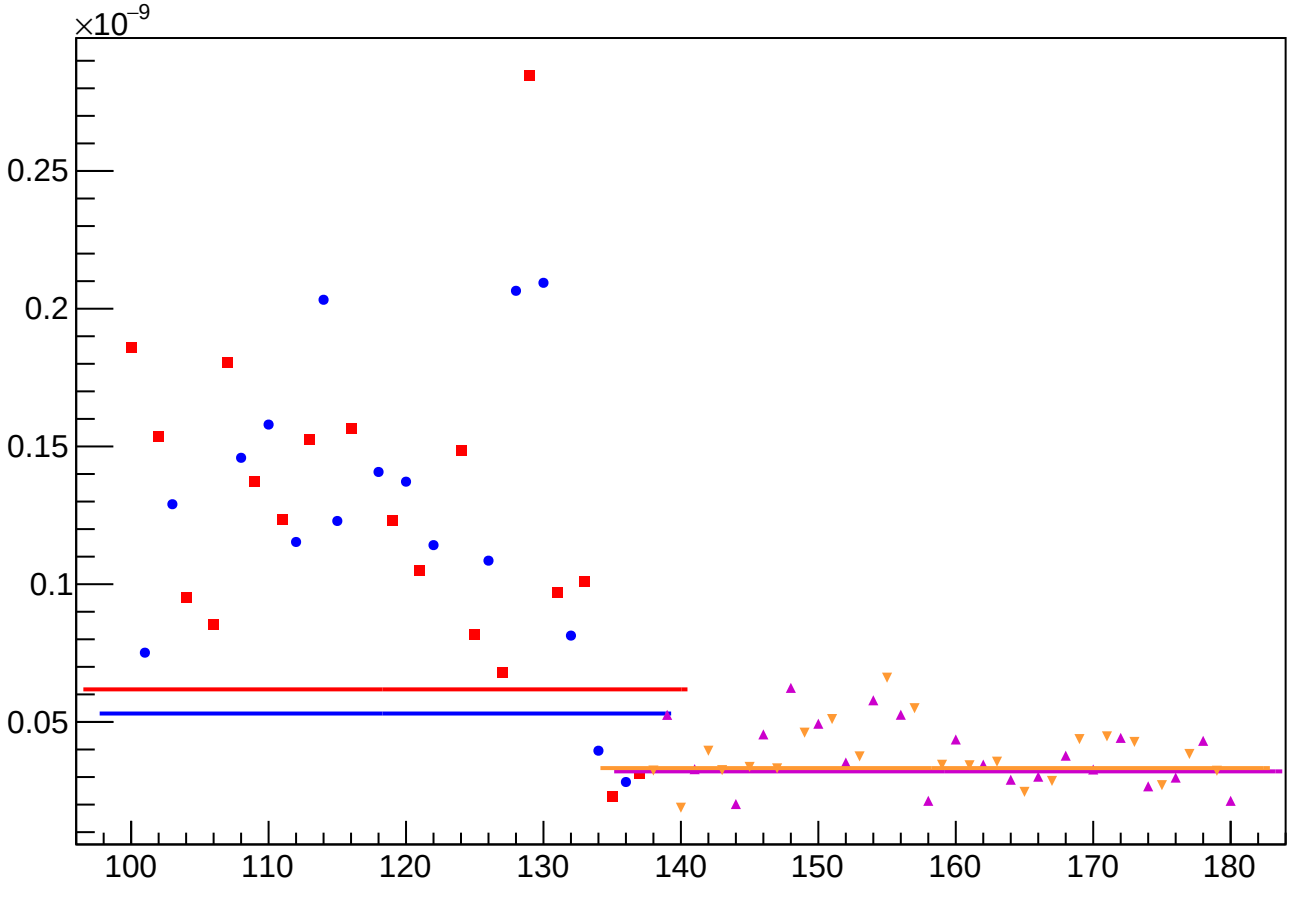
Left: 0.000+/-0.000 χ^2/NDF: 45.1/42

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.7/36

Out: 0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 74.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998817.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1430352.3/20

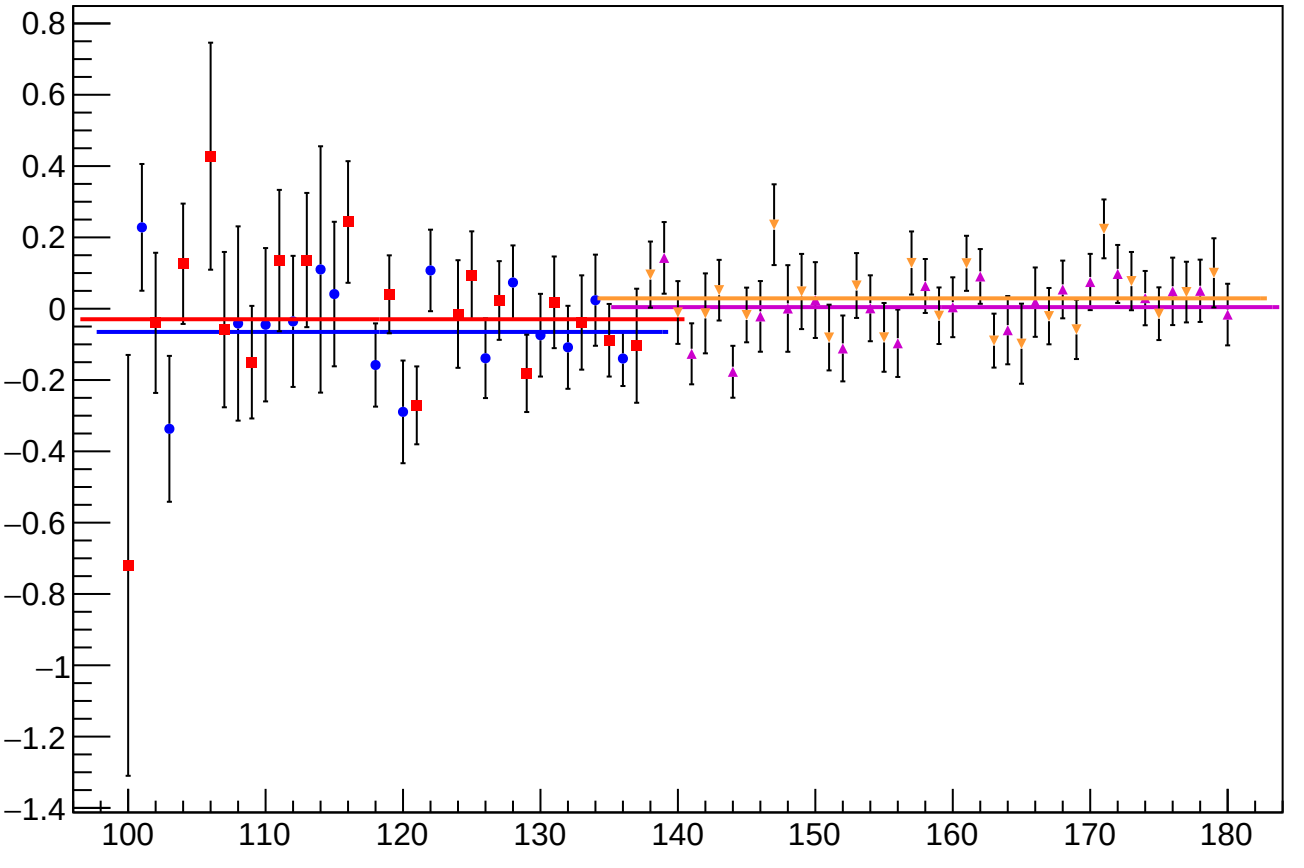
Left: 0.000+/-0.000 χ^2/NDF: 2437526.8/42

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4596727.0/36

Out: 0.000+/-0.000 χ^2/NDF:4213634.1/40

All: 0.000+/-0.000 χ^2/NDF: 8817912.9/77



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.004+/-0.019 χ^2/NDF:18.8/20

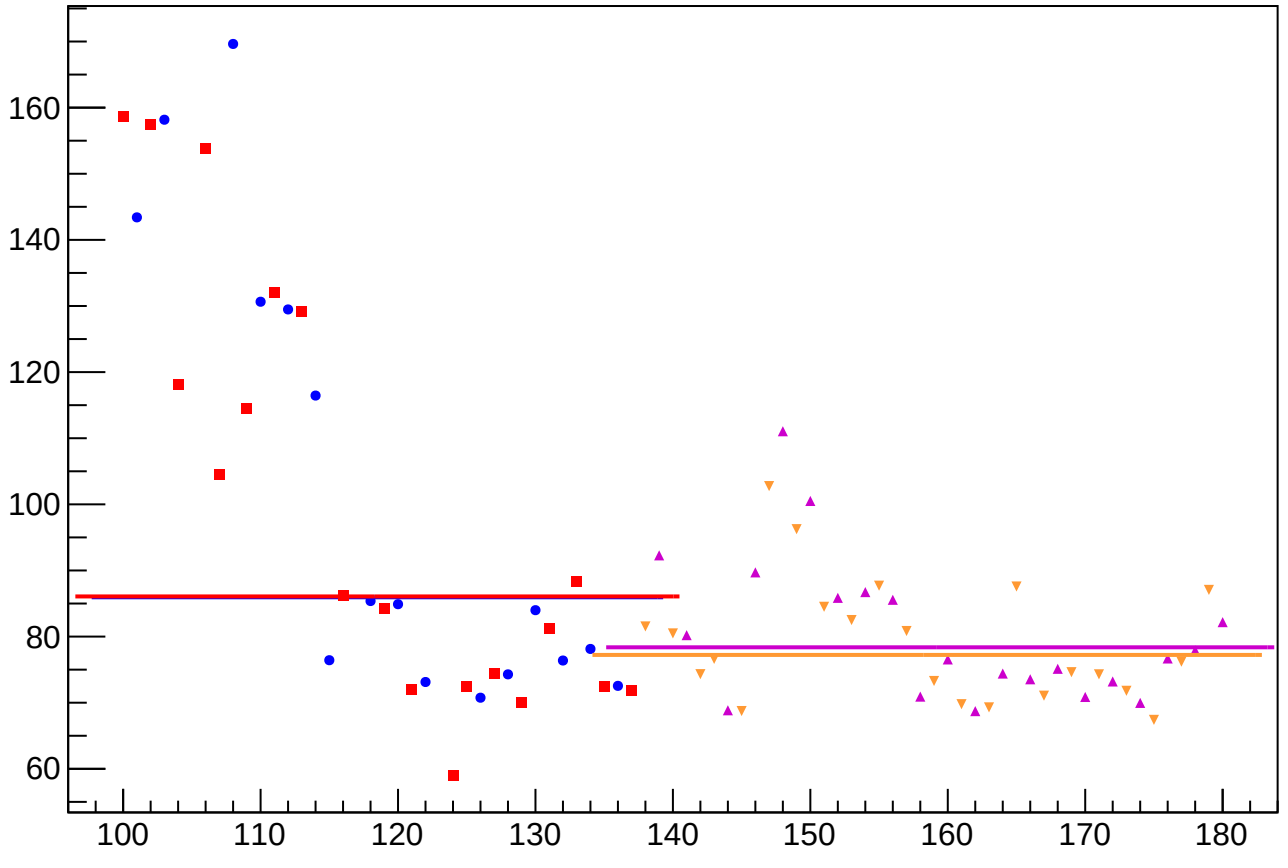
Left: 0.017+/-0.013 χ^2/NDF: 42.5/42

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/36

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.001+/-0.012 χ^2/NDF: 81.0/77



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

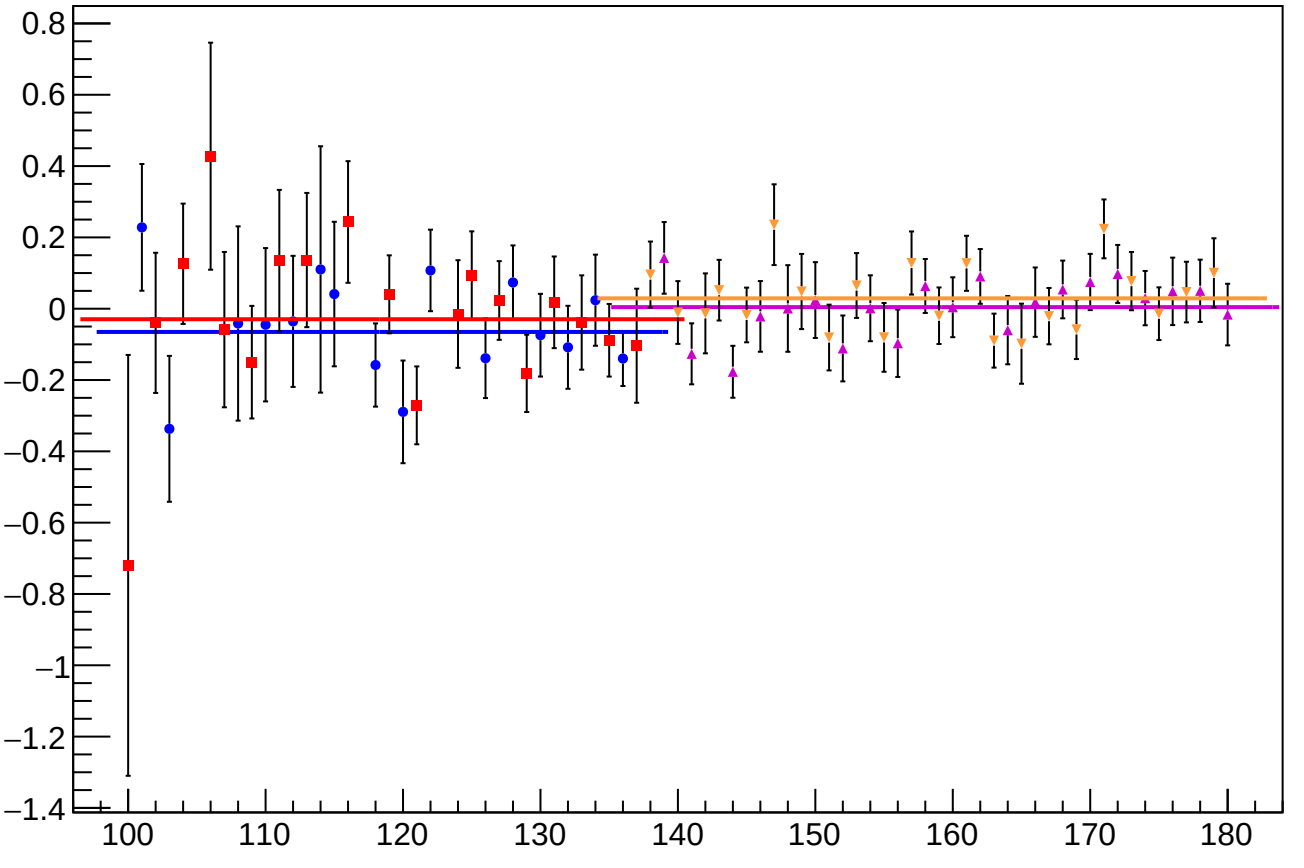
Left: 77.788+/-0.009 χ^2/NDF: 884518.4/42

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.250+/-0.012 χ^2/NDF:1603489.3/36

Out: 79.367+/-0.011 χ^2/NDF:1490572.0/40

All: 79.799+/-0.008 χ^2/NDF: 3096965.3/77



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.004+/-0.019 χ^2/NDF:18.8/20

Left: 0.017+/-0.013 χ^2/NDF: 42.5/42

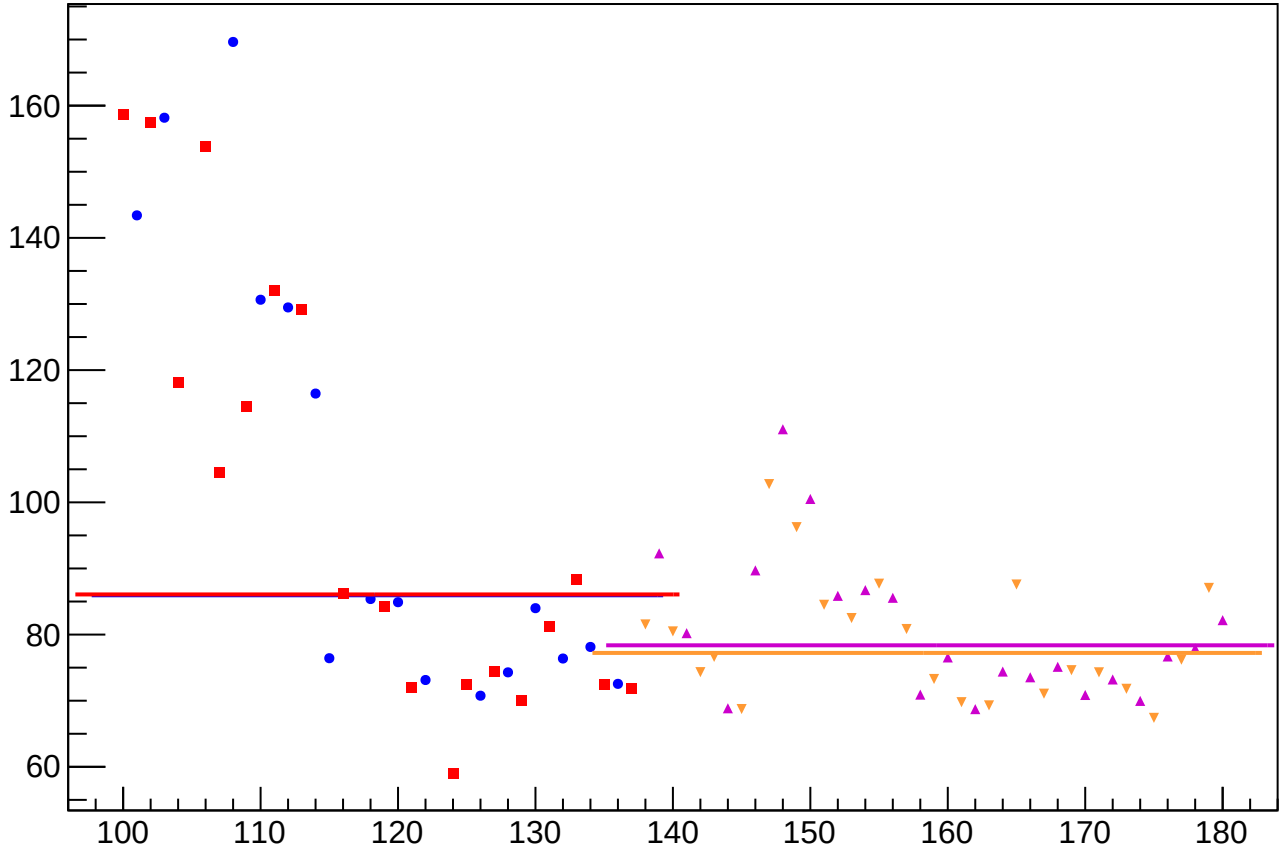
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/36

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.001+/-0.012 χ^2/NDF: 81.0/77

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.378+/-0.014 χ^2/NDF:490783.8/20

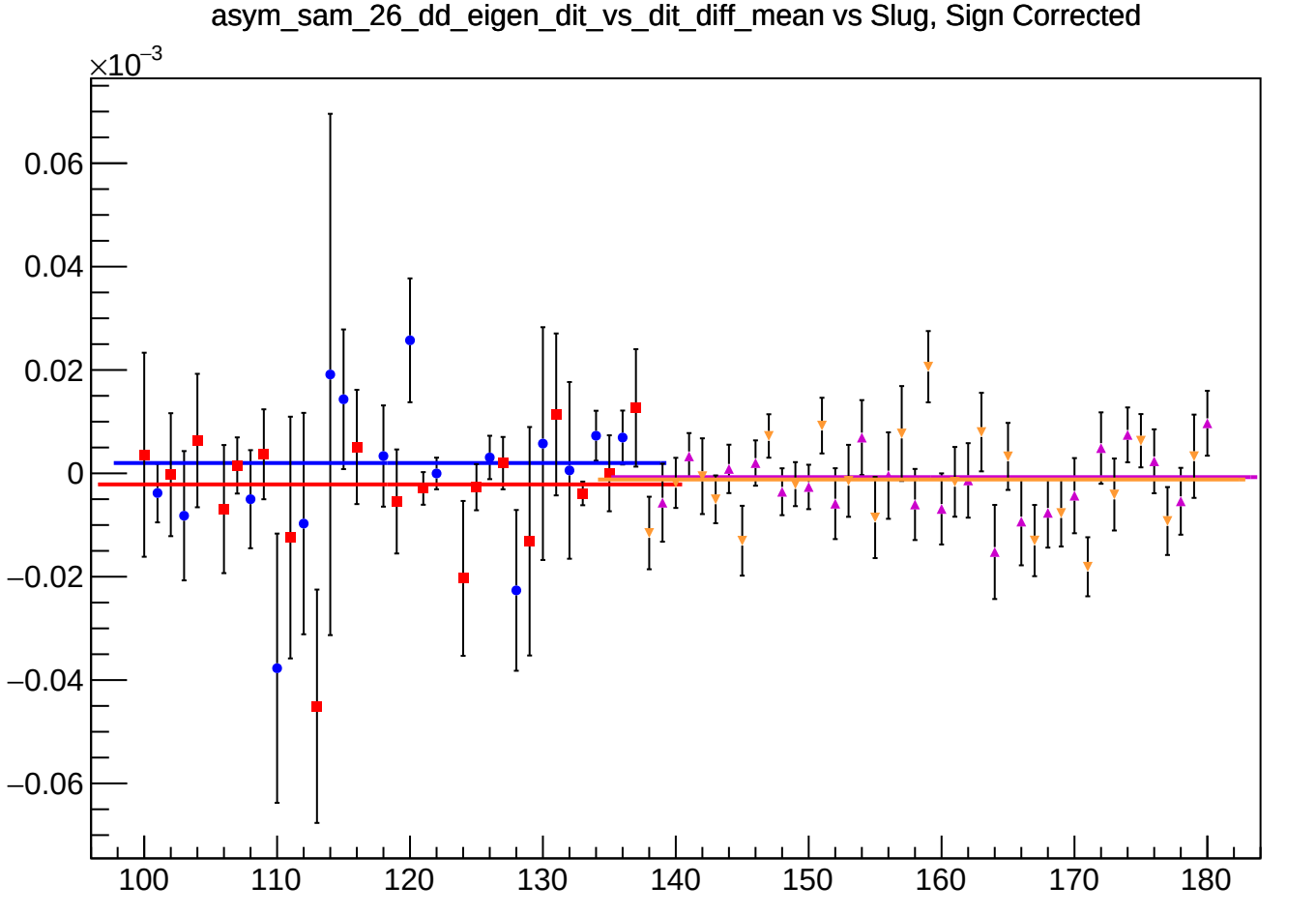
Left: 77.788+/-0.009 χ^2/NDF: 884518.4/42

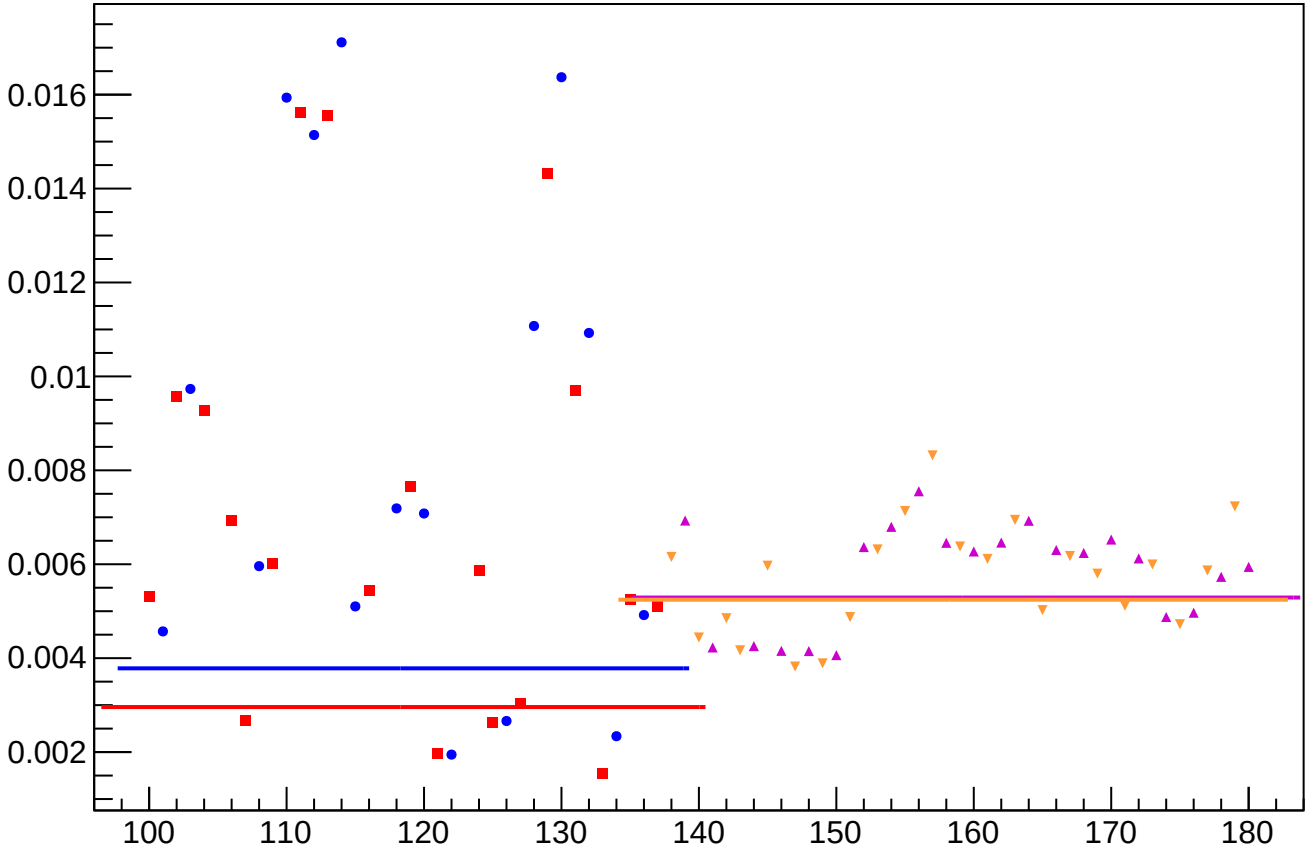
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.250+/-0.012 χ^2/NDF:1603489.3/36

Out: 79.367+/-0.011 χ^2/NDF:1490572.0/40

All: 79.799+/-0.008 χ^2/NDF: 3096965.3/77


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:44.3/21
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.8/20
Left: -0.000+/-0.000 χ²/NDF: 61.2/42
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:33.3/36
Out: -0.000+/-0.000 χ²/NDF:56.1/40
All: -0.000+/-0.000 χ²/NDF: 91.1/77



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1479781.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1427041.0/20

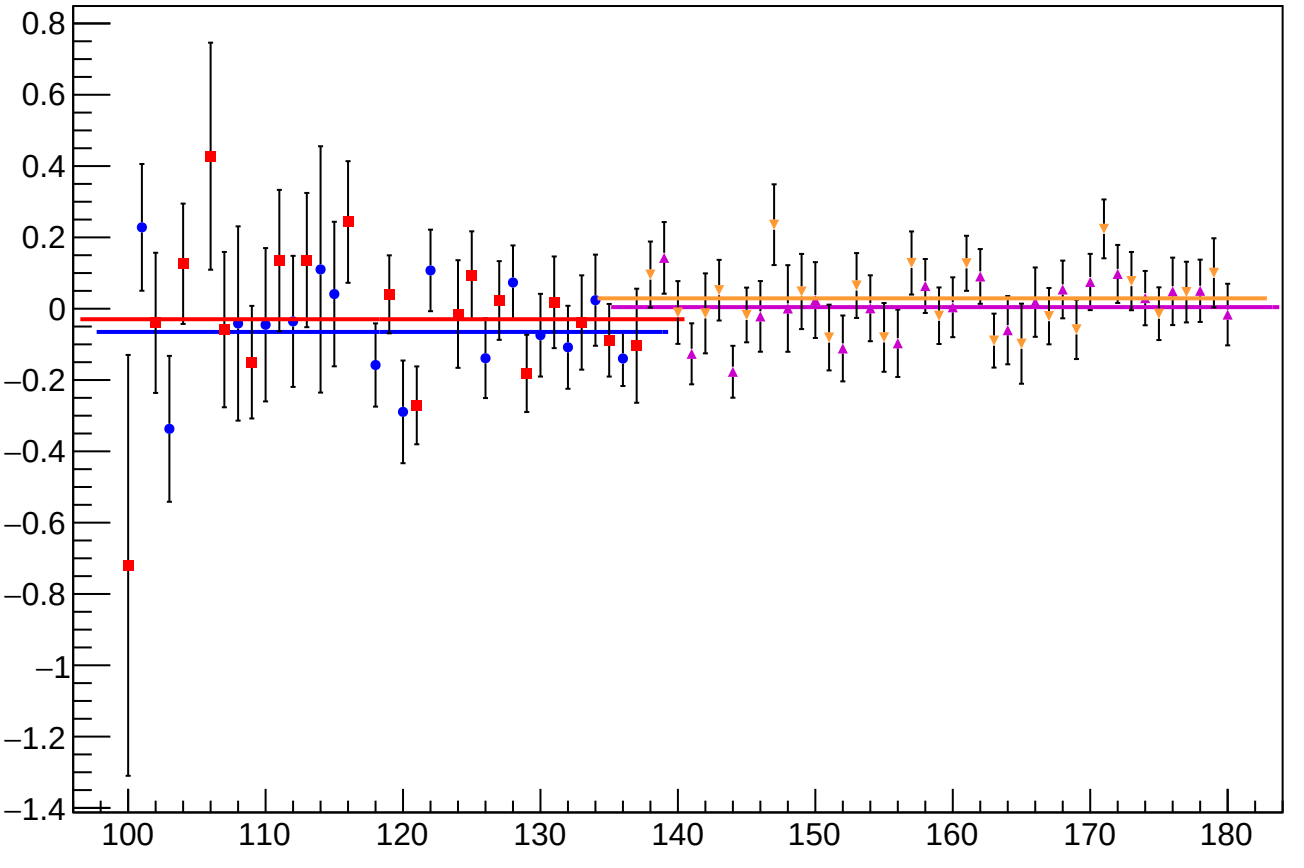
Left: 0.005+/-0.000 χ^2/NDF: 2908068.7/42

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:7074574.0/36

Out: 0.004+/-0.000 χ^2/NDF:9907843.2/40

All: 0.004+/-0.000 χ^2/NDF: 17285234.1/77



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.004+/-0.019 χ^2/NDF:18.8/20

Left: 0.017+/-0.013 χ^2/NDF: 42.5/42

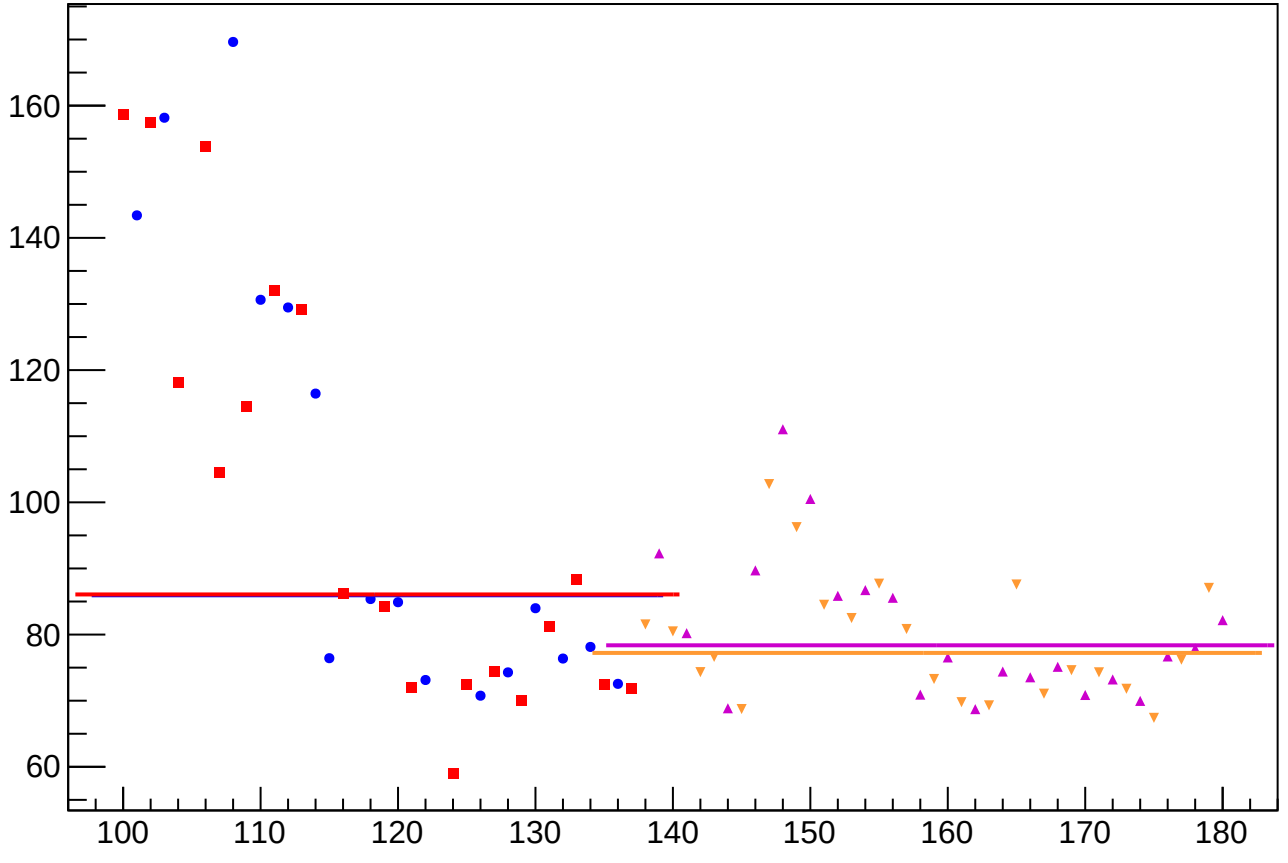
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/36

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.001+/-0.012 χ^2/NDF: 81.0/77

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.226+/-0.013 χ^2/NDF:390044.6/21

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

Left: 77.788+/-0.009 χ^2/NDF: 884595.1/42

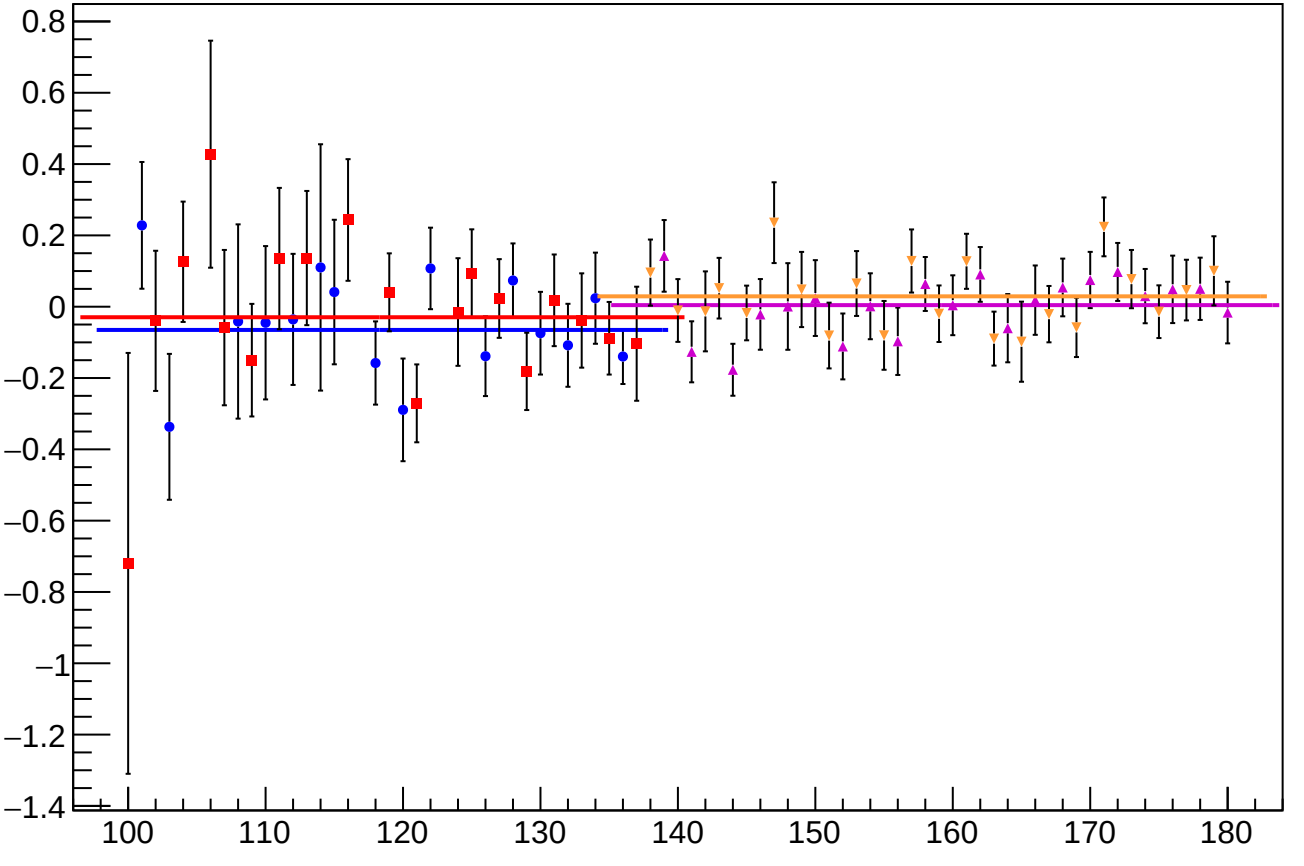
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.249+/-0.012 χ^2/NDF:1603476.1/36

Out: 79.366+/-0.011 χ^2/NDF:1490566.7/40

All: 79.798+/-0.008 χ^2/NDF: 3096945.1/77

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: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.004+/-0.019 χ^2/NDF:18.8/20

Left: 0.017+/-0.013 χ^2/NDF: 42.5/42

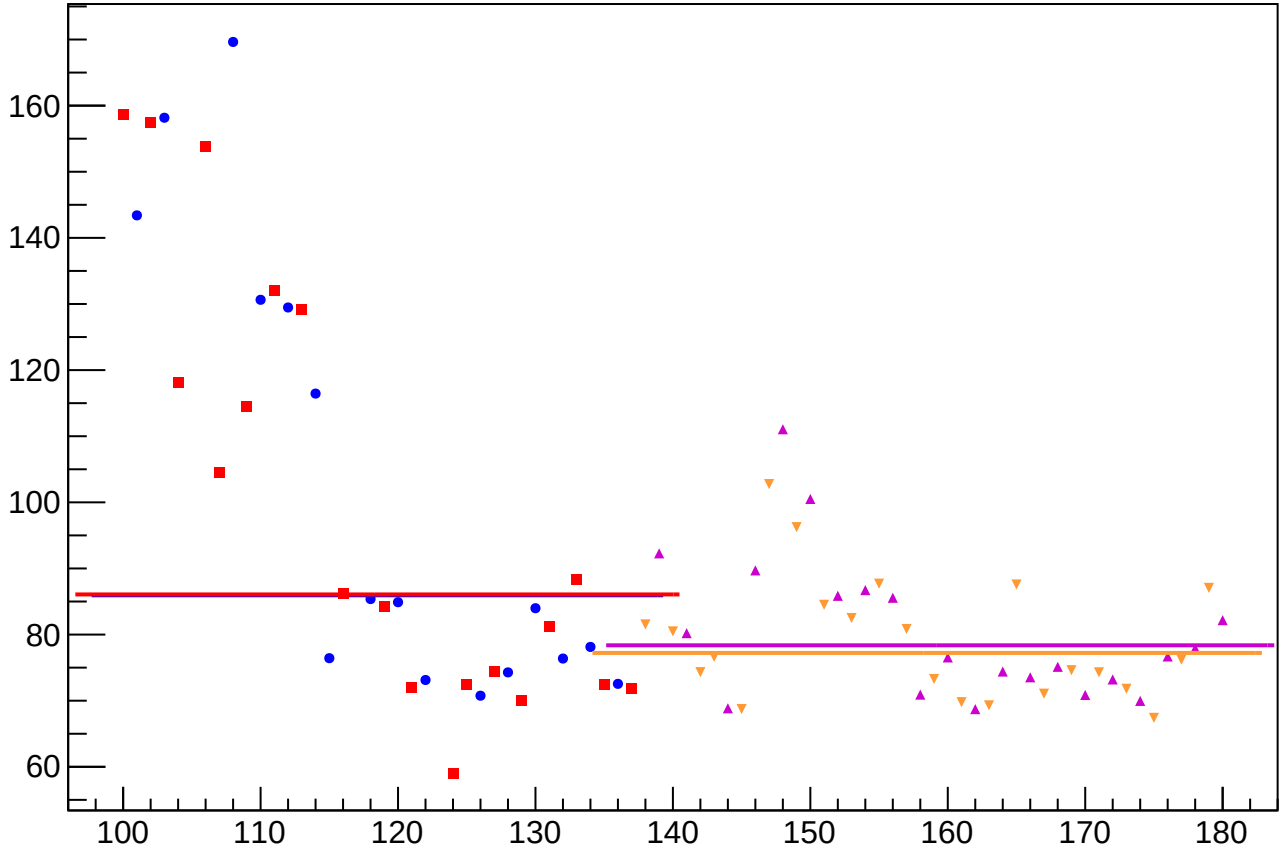
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/36

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.001+/-0.012 χ^2/NDF: 81.0/77

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: 77.226+/-0.013 χ^2/NDF:390044.6/21

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.378+/-0.013 χ^2/NDF:490822.5/20

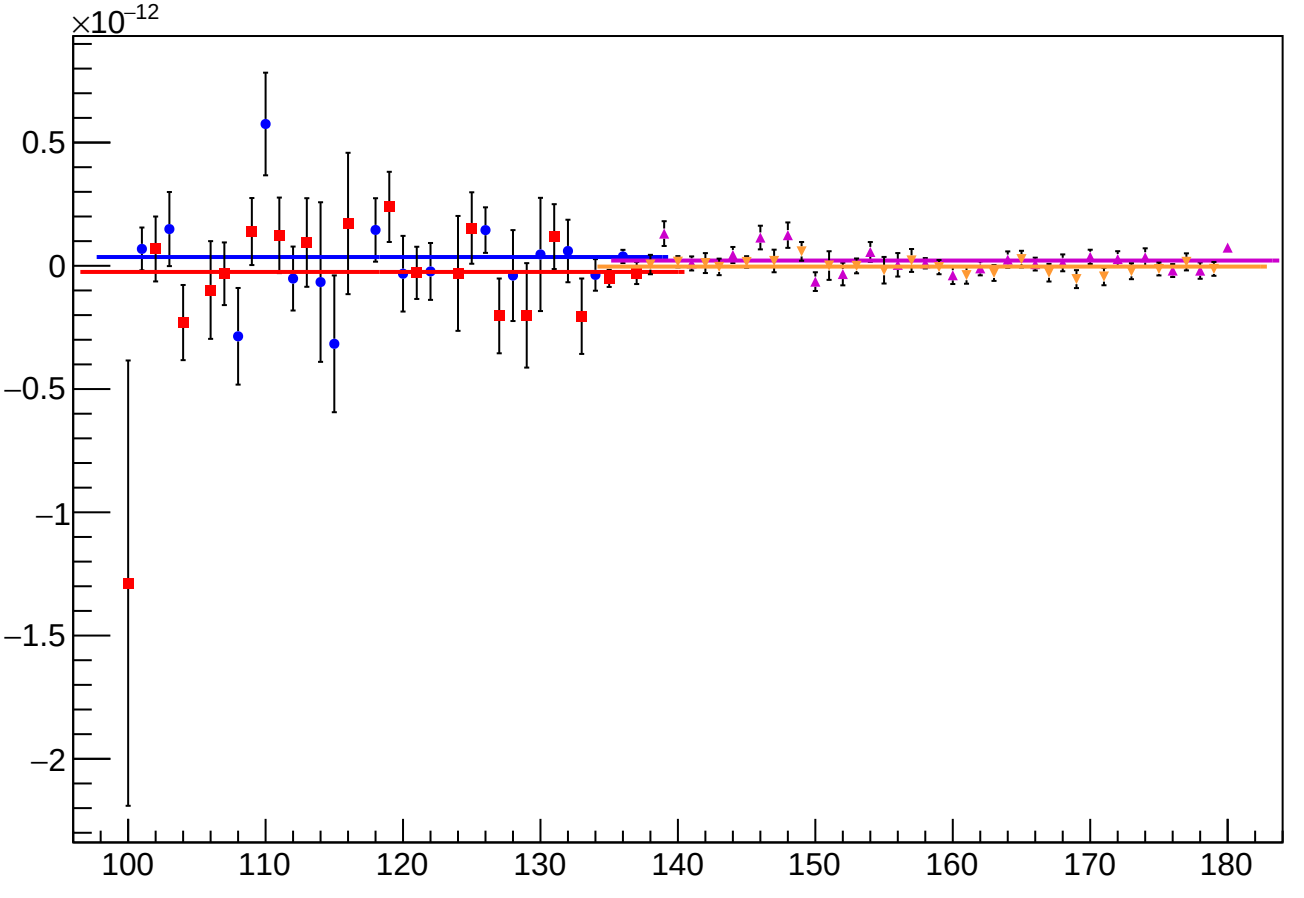
Left: 77.788+/-0.009 χ^2/NDF: 884595.1/42

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.249+/-0.012 χ^2/NDF:1603476.1/36

Out: 79.366+/-0.011 χ^2/NDF:1490566.7/40

All: 79.798+/-0.008 χ^2/NDF: 3096945.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:36.9/20

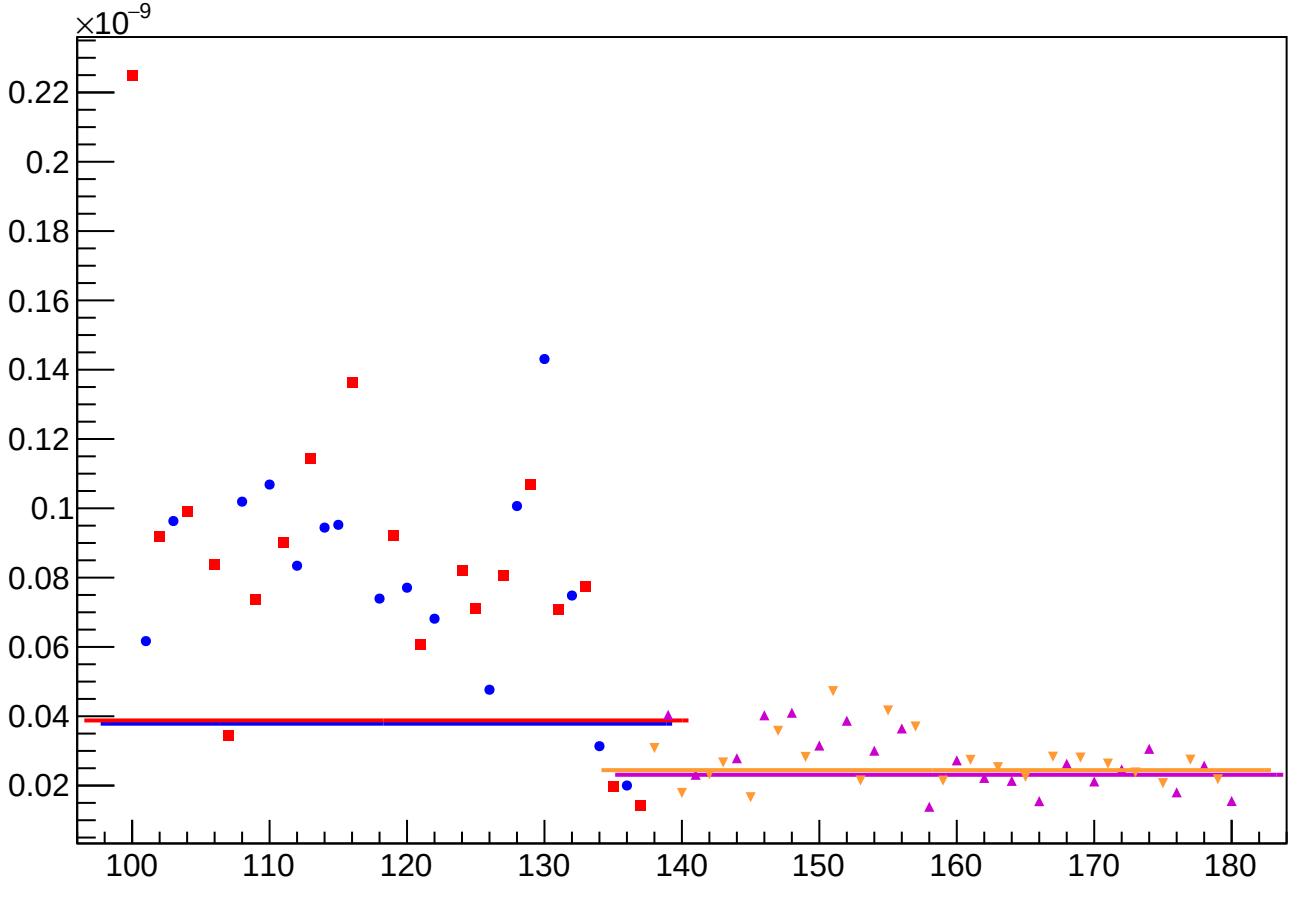
Left: 0.000+/-0.000 χ^2/NDF: 55.0/42

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:53.7/36

Out: -0.000+/-0.000 χ^2/NDF:30.7/40

All: 0.000+/-0.000 χ^2/NDF: 93.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1441200.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2422385.9/20

Left: 0.000+/-0.000 χ^2/NDF: 3900415.2/42

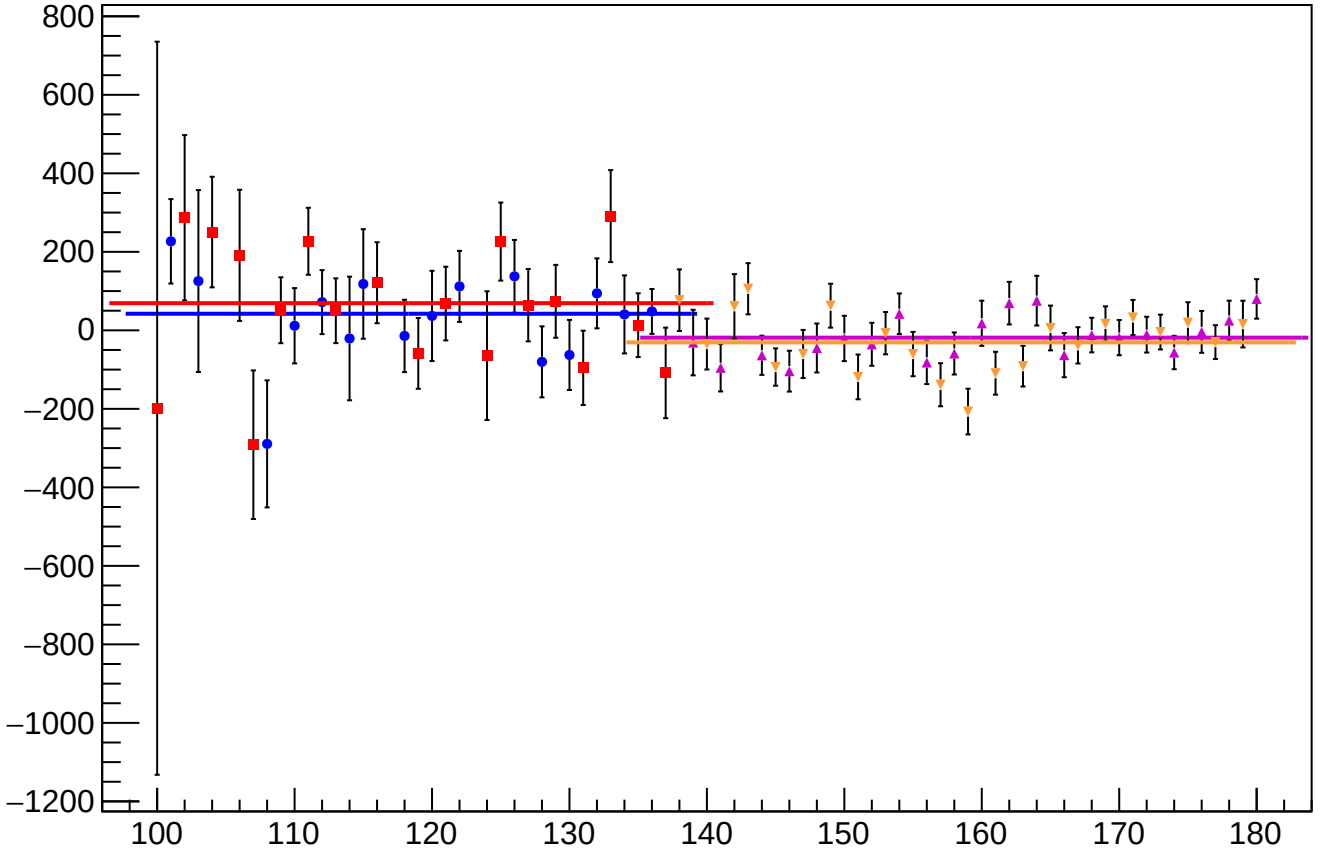
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6798730.6/36

Out: 0.000+/-0.000 χ^2/NDF:6321808.9/40

All: 0.000+/-0.000 χ^2/NDF: 13152333.9/77

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.627+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -18.653+/-11.536 χ^2/NDF:20.0/20

Left: -24.670+/-8.137 χ^2/NDF: 57.7/42

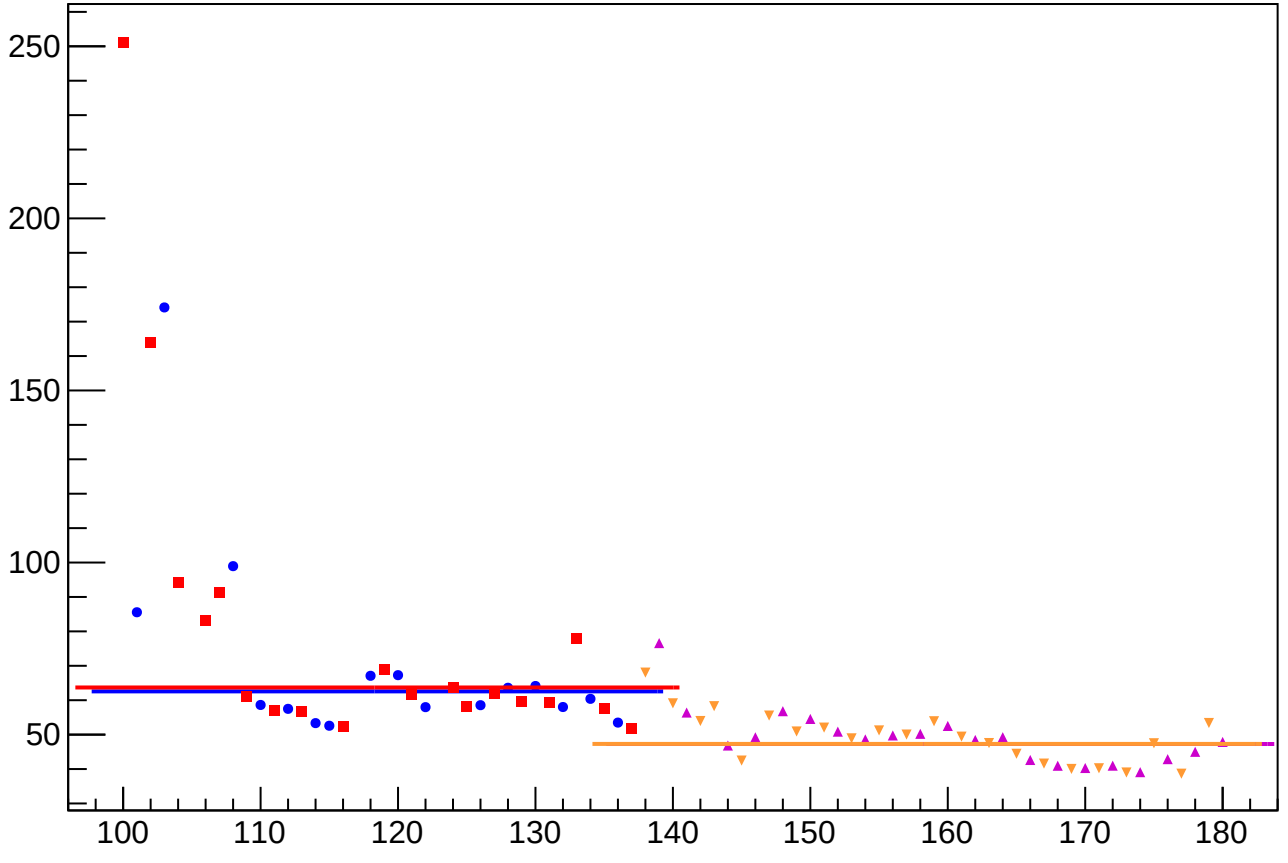
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -7.387+/-10.414 χ^2/NDF:38.7/36

Out: -12.552+/-10.388 χ^2/NDF:76.2/40

All: -9.976+/-7.355 χ^2/NDF: 115.0/77

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

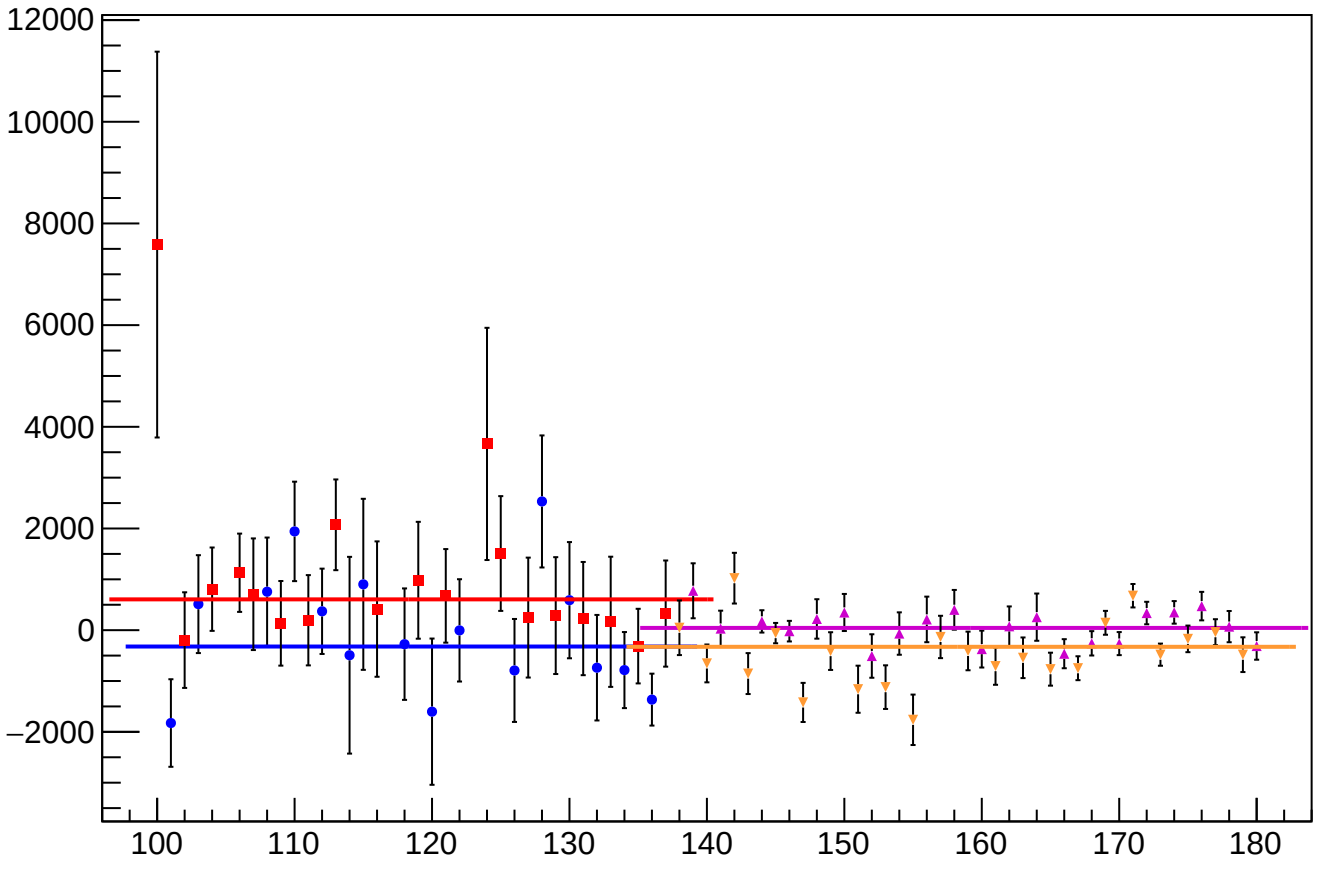
Left: 47.288+/-0.006 χ^2/NDF: 1356584.0/42

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.105+/-0.007 χ^2/NDF:2055562.6/36

Out: 50.268+/-0.007 χ^2/NDF:2282934.1/40

All: 50.187+/-0.005 χ^2/NDF: 4338740.9/77



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -327.319+/-66.736 χ^2/NDF:67.3/21

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 44.357+/-64.656 χ^2/NDF:21.8/20

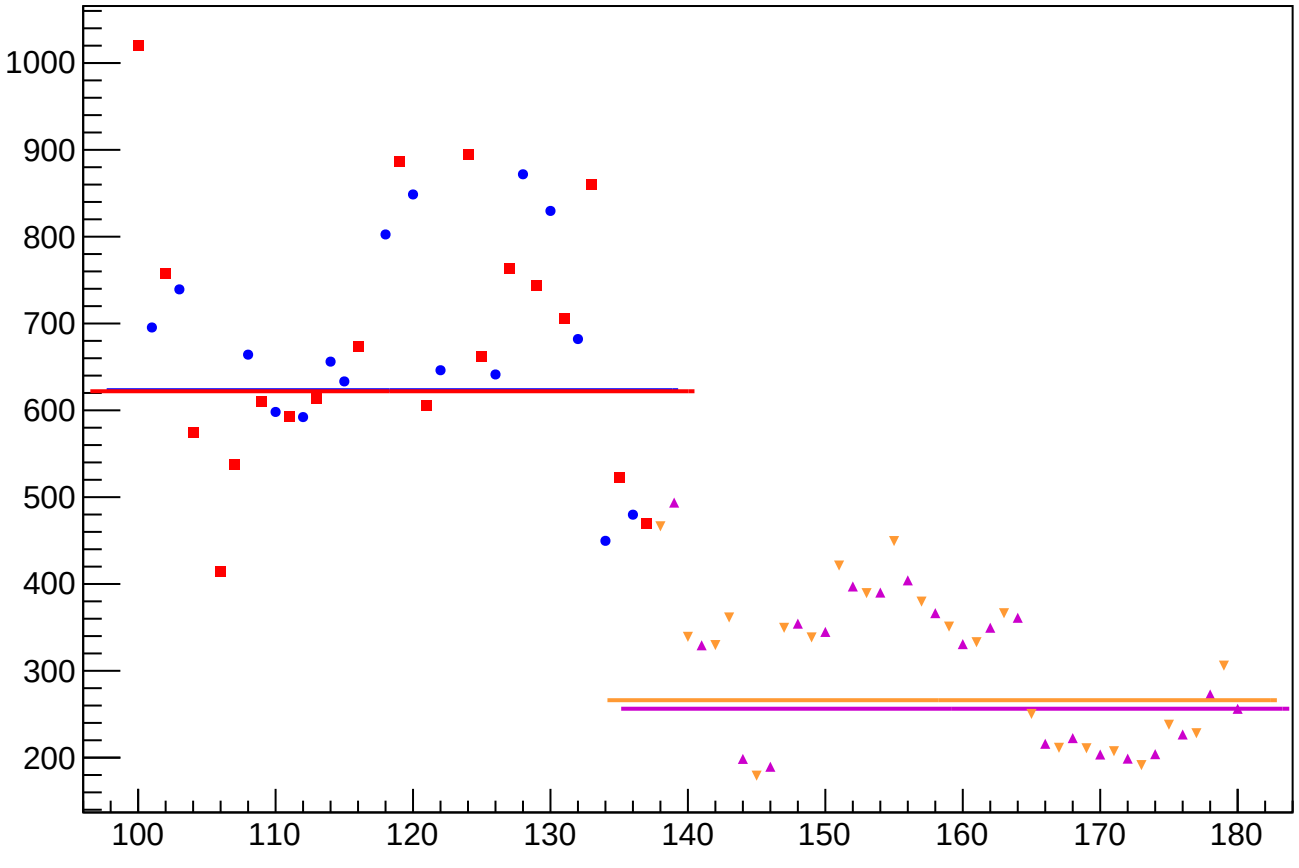
Left: -135.598+/-46.437 χ^2/NDF: 105.1/42

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 19.295+/-62.403 χ^2/NDF:46.7/36

Out: -256.927+/-64.170 χ^2/NDF:94.6/40

All: -114.961+/-44.737 χ^2/NDF: 150.8/77



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 266.157+/-0.047 χ^2/NDF:2832995.8/21

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 256.332+/-0.046 χ^2/NDF:2633715.3/20

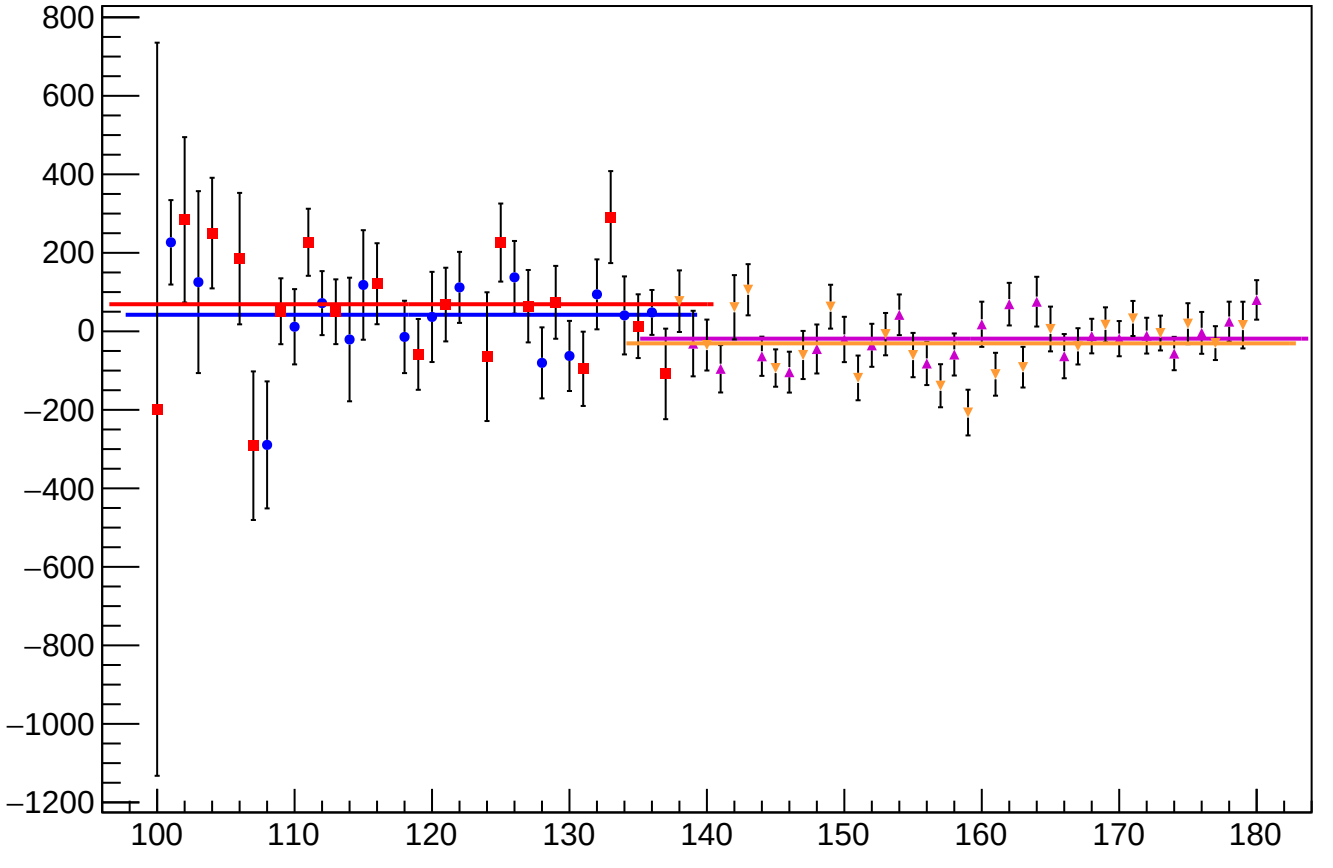
Left: 261.089+/-0.033 χ^2/NDF: 5489072.7/42

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 281.450+/-0.044 χ^2/NDF:7607725.5/36

Out: 292.997+/-0.045 χ^2/NDF:7704207.7/40

All: 287.063+/-0.032 χ^2/NDF: 15345218.1/77



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -18.652+/-11.536 χ^2/NDF:20.0/20

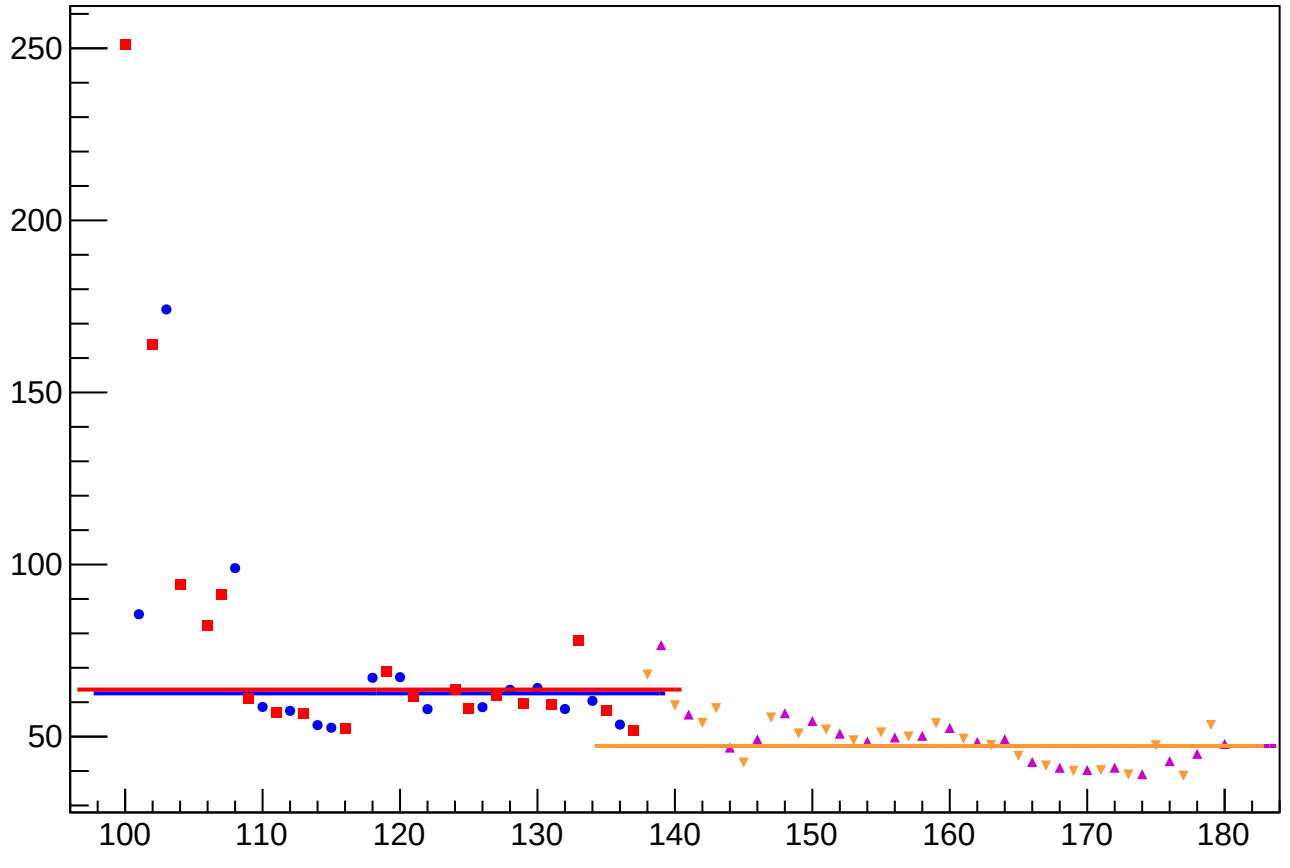
Left: -24.668+/-8.137 χ^2/NDF: 57.7/42

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.387+/-10.414 χ^2/NDF:38.7/36

Out: -12.584+/-10.388 χ^2/NDF:76.0/40

All: -9.992+/-7.355 χ^2/NDF: 114.9/77



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

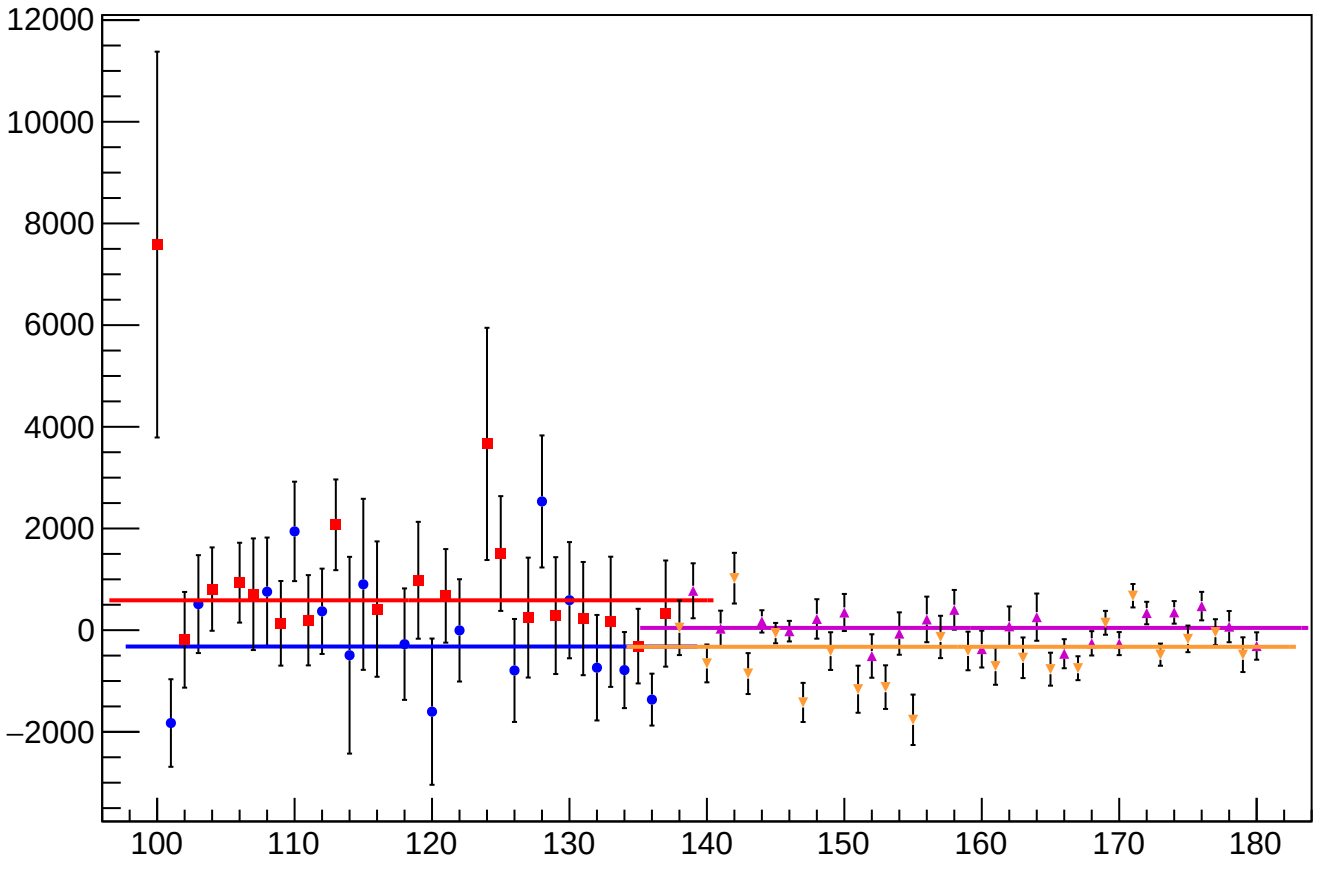
Left: 47.288+/-0.006 χ^2/NDF: 1356583.9/42

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.105+/-0.007 χ^2/NDF:2055564.3/36

Out: 50.263+/-0.007 χ^2/NDF:2277939.5/40

All: 50.184+/-0.005 χ^2/NDF: 4333734.2/77



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 44.359+/-64.656 χ^2/NDF:21.8/20

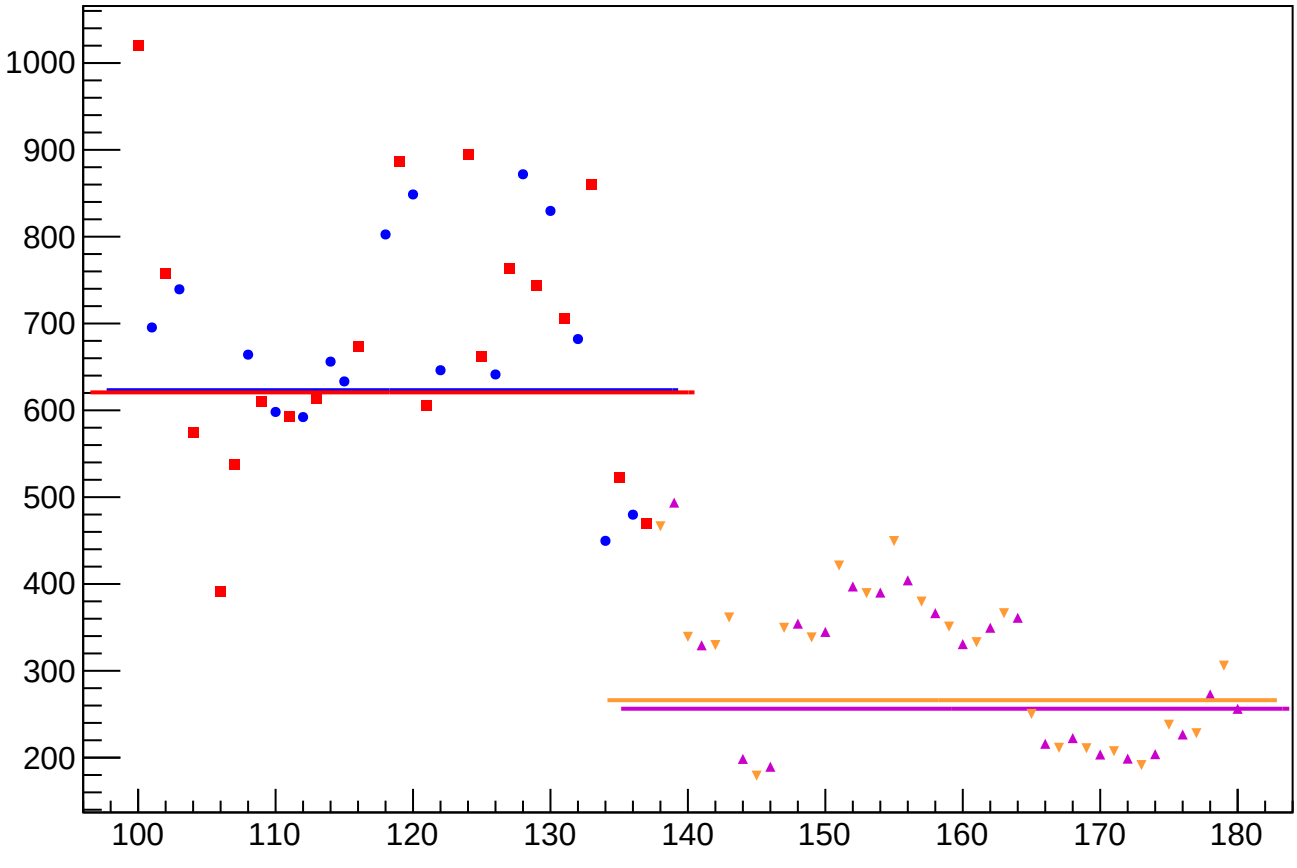
Left: -135.594+/-46.437 χ^2/NDF: 105.1/42

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 19.298+/-62.403 χ^2/NDF:46.7/36

Out: -258.566+/-64.179 χ^2/NDF:93.6/40

All: -115.737+/-44.740 χ^2/NDF: 149.9/77



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

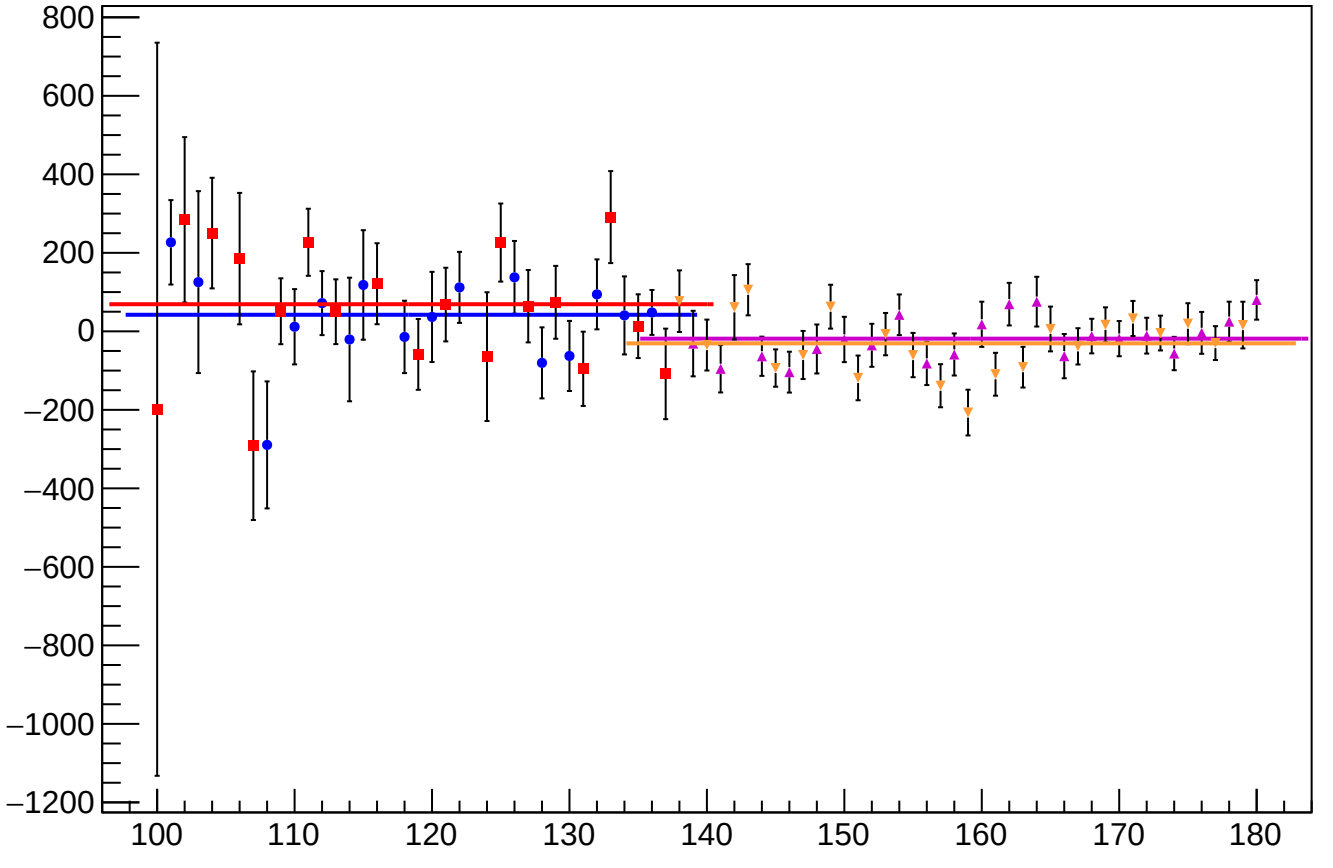
Left: 261.089+/-0.033 χ^2/NDF: 5489072.8/42

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 281.450+/-0.044 χ^2/NDF:7607769.4/36

Out: 292.807+/-0.045 χ^2/NDF:7686144.4/40

All: 286.969+/-0.032 χ^2/NDF: 15326104.7/77



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -18.652+/-11.536 χ^2/NDF:20.0/20

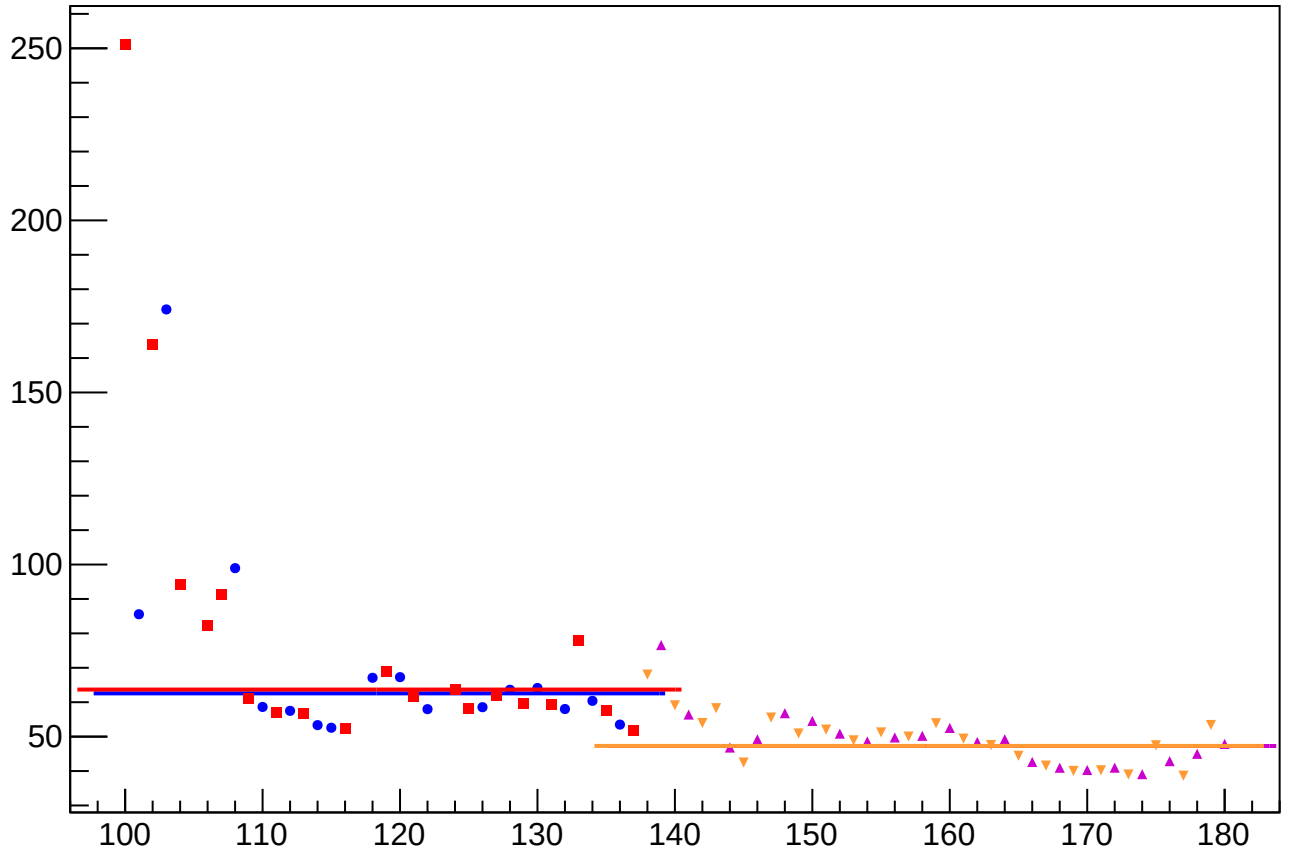
Left: -24.668+/-8.137 χ^2/NDF: 57.7/42

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.387+/-10.414 χ^2/NDF:38.7/36

Out: -12.584+/-10.388 χ^2/NDF:76.0/40

All: -9.992+/-7.355 χ^2/NDF: 114.9/77



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.275+/-0.008 χ^2/NDF:646680.3/20

Left: 47.288+/-0.006 χ^2/NDF: 1356583.9/42

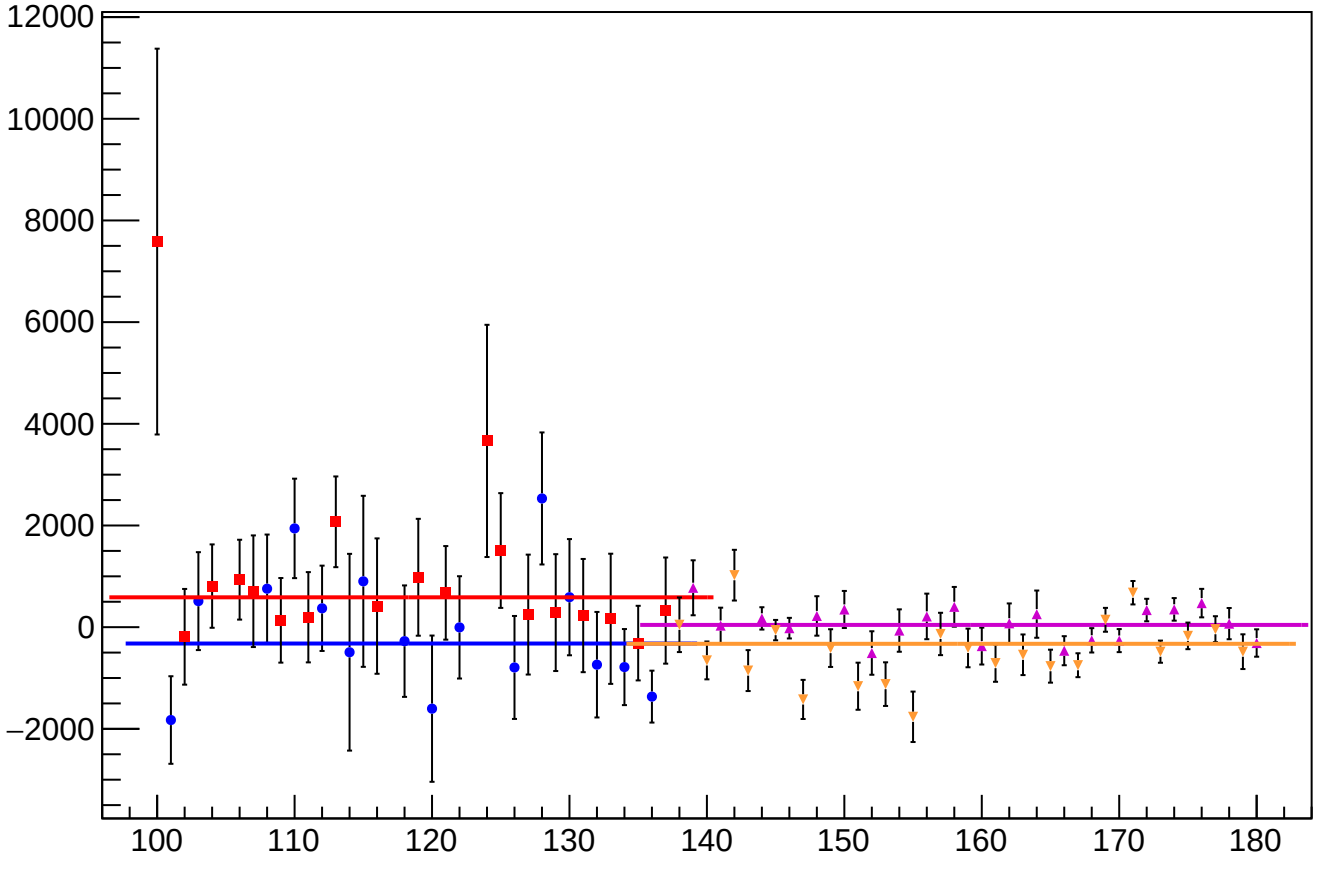
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.105+/-0.007 χ^2/NDF:2055564.3/36

Out: 50.263+/-0.007 χ^2/NDF:2277939.5/40

All: 50.184+/-0.005 χ^2/NDF: 4333734.2/77

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 44.359+/-64.656 χ^2/NDF:21.8/20

Left: -135.594+/-46.437 χ^2/NDF: 105.1/42

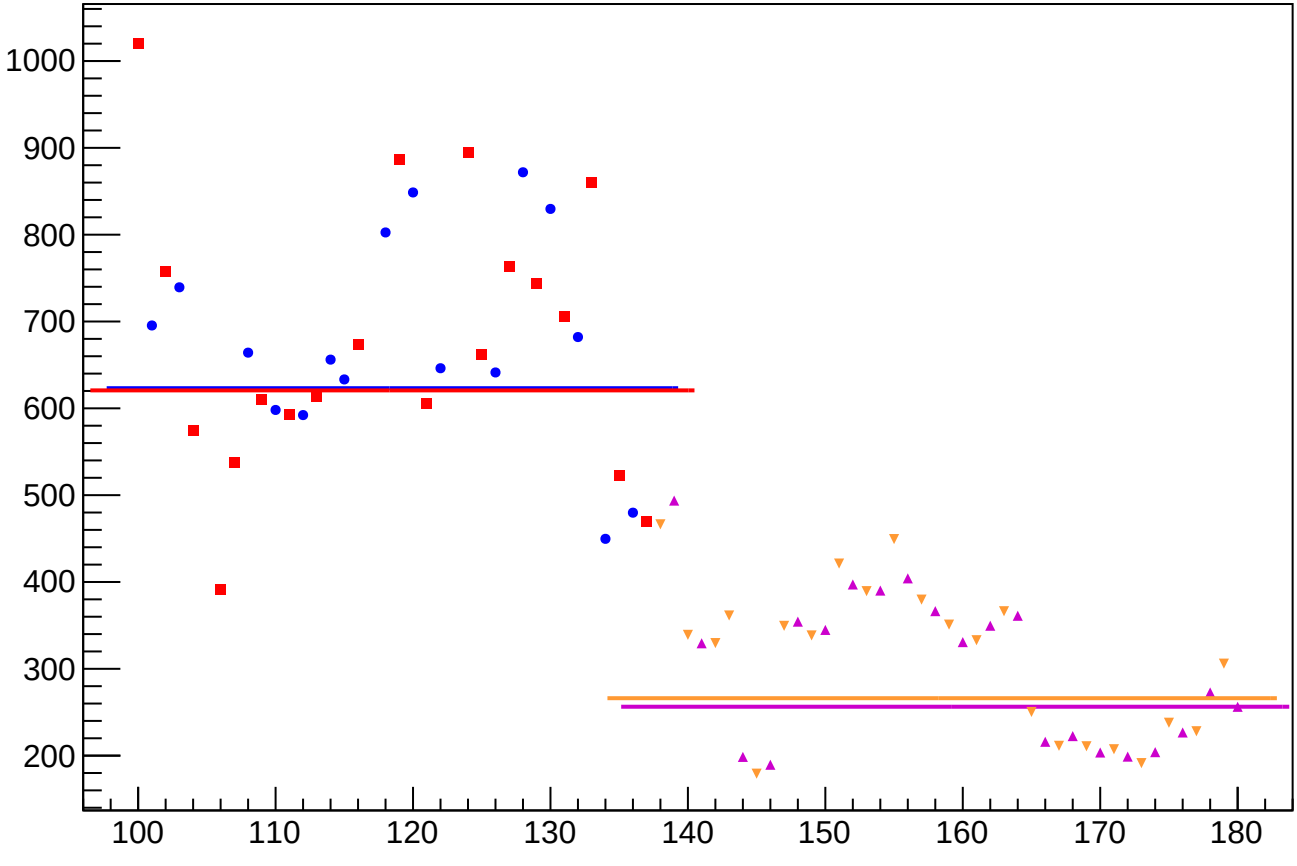
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 19.298+/-62.403 χ^2/NDF:46.7/36

Out: -258.566+/-64.179 χ^2/NDF:93.6/40

All: -115.737+/-44.740 χ^2/NDF: 149.9/77

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.332+/-0.046 χ^2/NDF:2633710.3/20

Left: 261.089+/-0.033 χ^2/NDF: 5489072.8/42

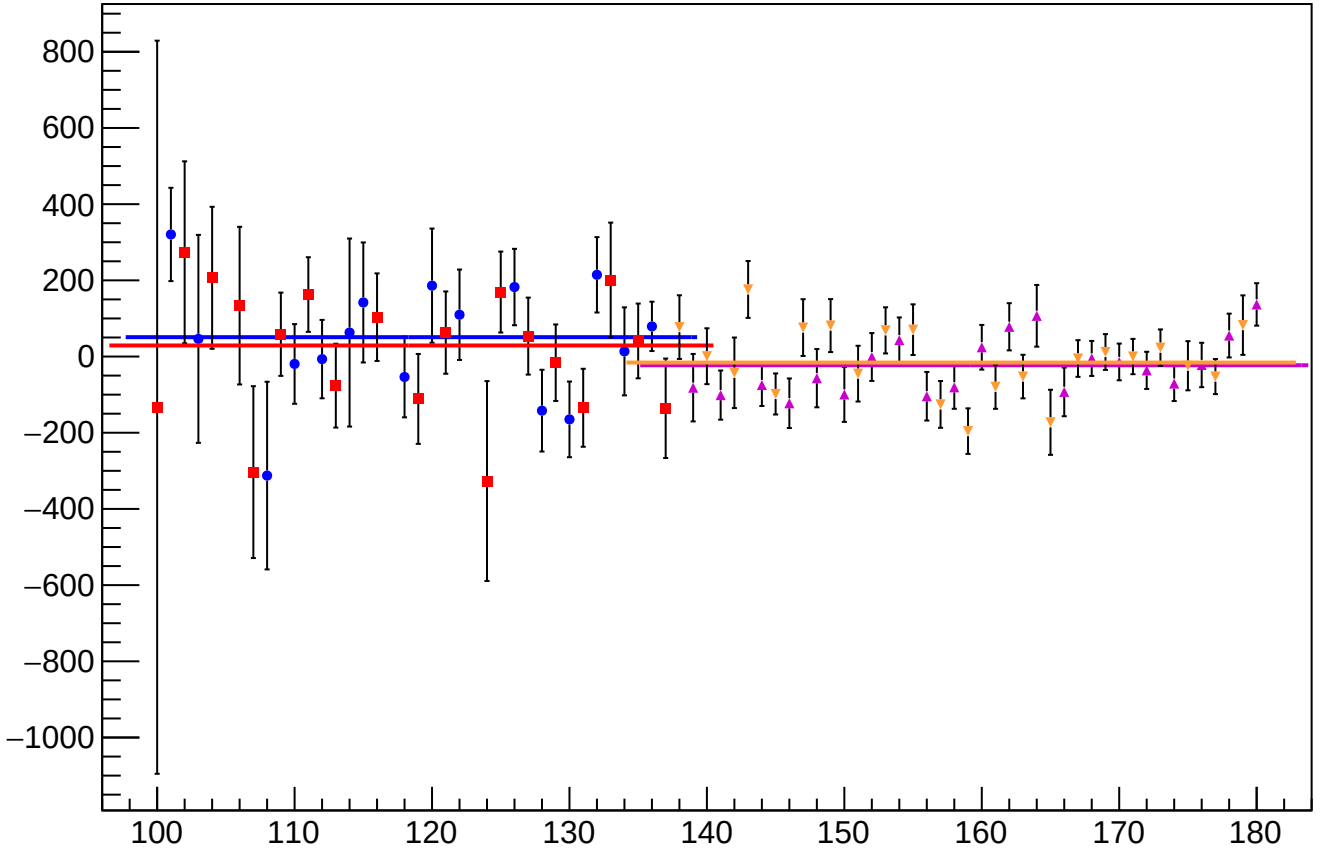
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 281.450+/-0.044 χ^2/NDF:7607769.4/36

Out: 292.807+/-0.045 χ^2/NDF:7686144.4/40

All: 286.969+/-0.032 χ^2/NDF: 15326104.7/77

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.771+/-12.919 χ^2/NDF:38.3/21

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -22.832+/-12.849 χ^2/NDF:29.0/20

Left: -19.321+/-9.110 χ^2/NDF: 67.4/42

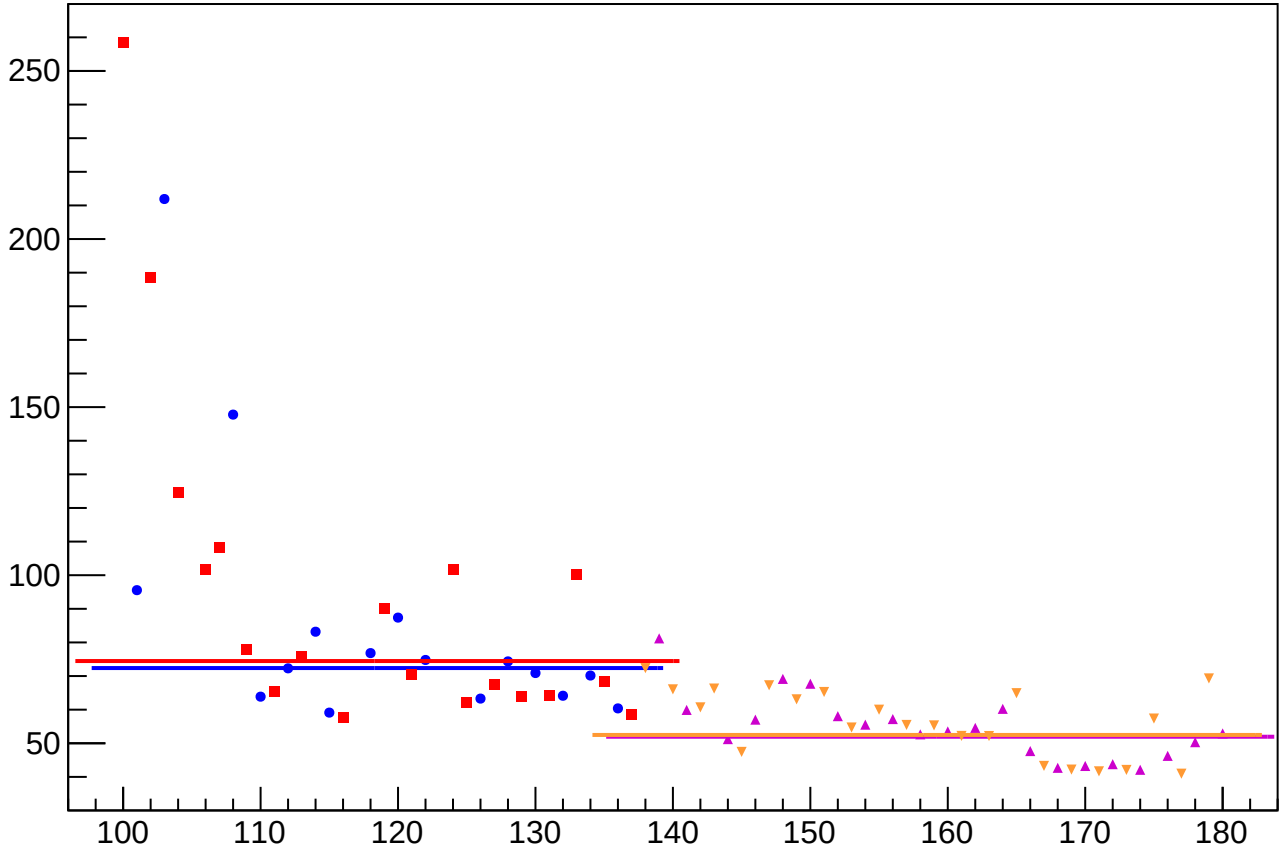
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -10.253+/-11.701 χ^2/NDF:57.5/36

Out: -8.312+/-11.795 χ^2/NDF:58.8/40

All: -9.290+/-8.307 χ^2/NDF: 116.2/77

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151623.7/21

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.947+/-0.009 χ^2/NDF:848489.3/20

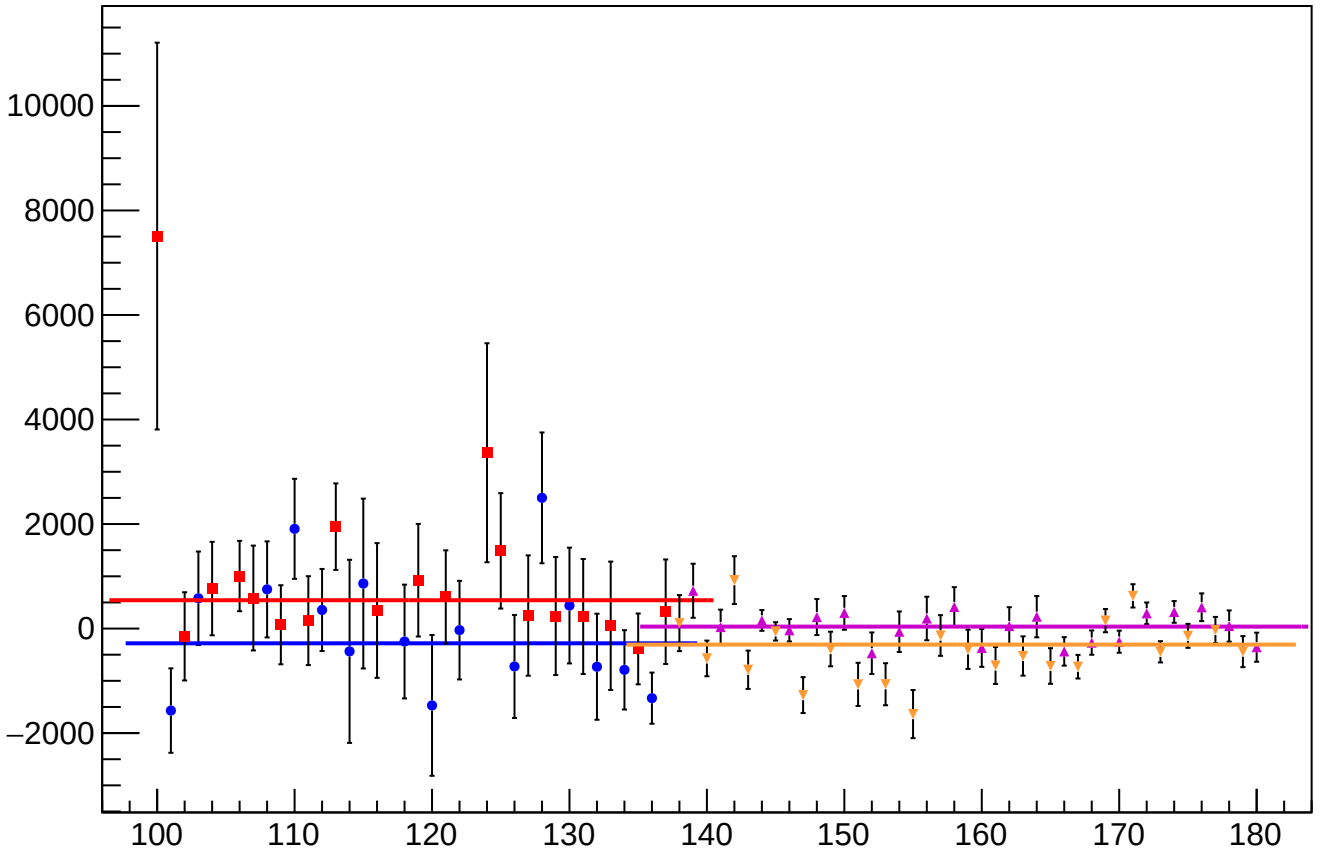
Left: 52.211+/-0.006 χ^2/NDF: 2001813.2/42

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.435+/-0.008 χ^2/NDF:2650091.1/36

Out: 56.138+/-0.008 χ^2/NDF:3168048.3/40

All: 55.784+/-0.006 χ^2/NDF: 5821715.7/77



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.633+/-62.144 χ^2/NDF:66.5/21

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 37.520+/-61.476 χ^2/NDF:21.4/20

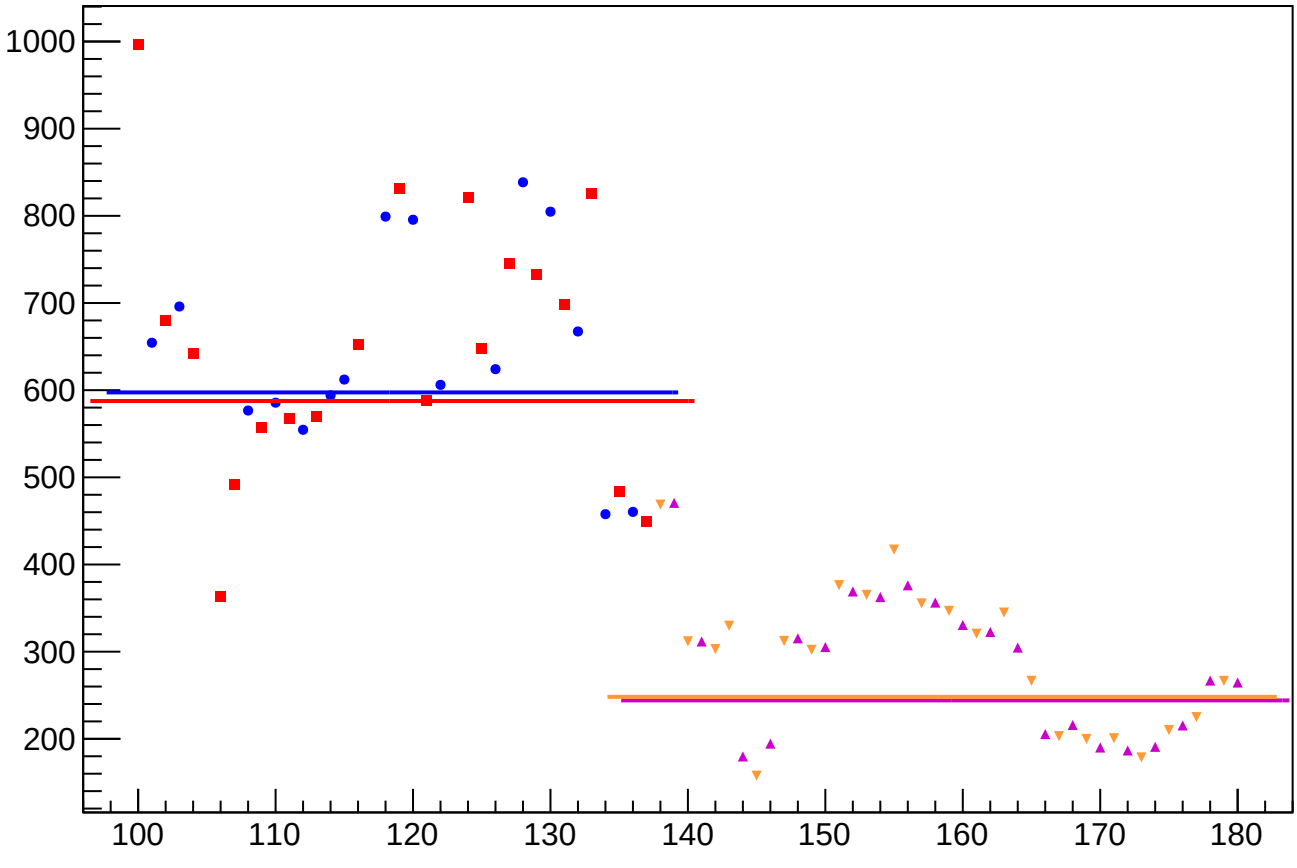
Left: -132.697+/-43.704 χ^2/NDF: 103.4/42

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 15.825+/-59.353 χ^2/NDF:46.0/36

Out: -244.396+/-59.822 χ^2/NDF:93.5/40

All: -113.261+/-42.134 χ^2/NDF: 149.0/77



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912216.1/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 244.084+/-0.043 χ^2/NDF:2489684.0/20

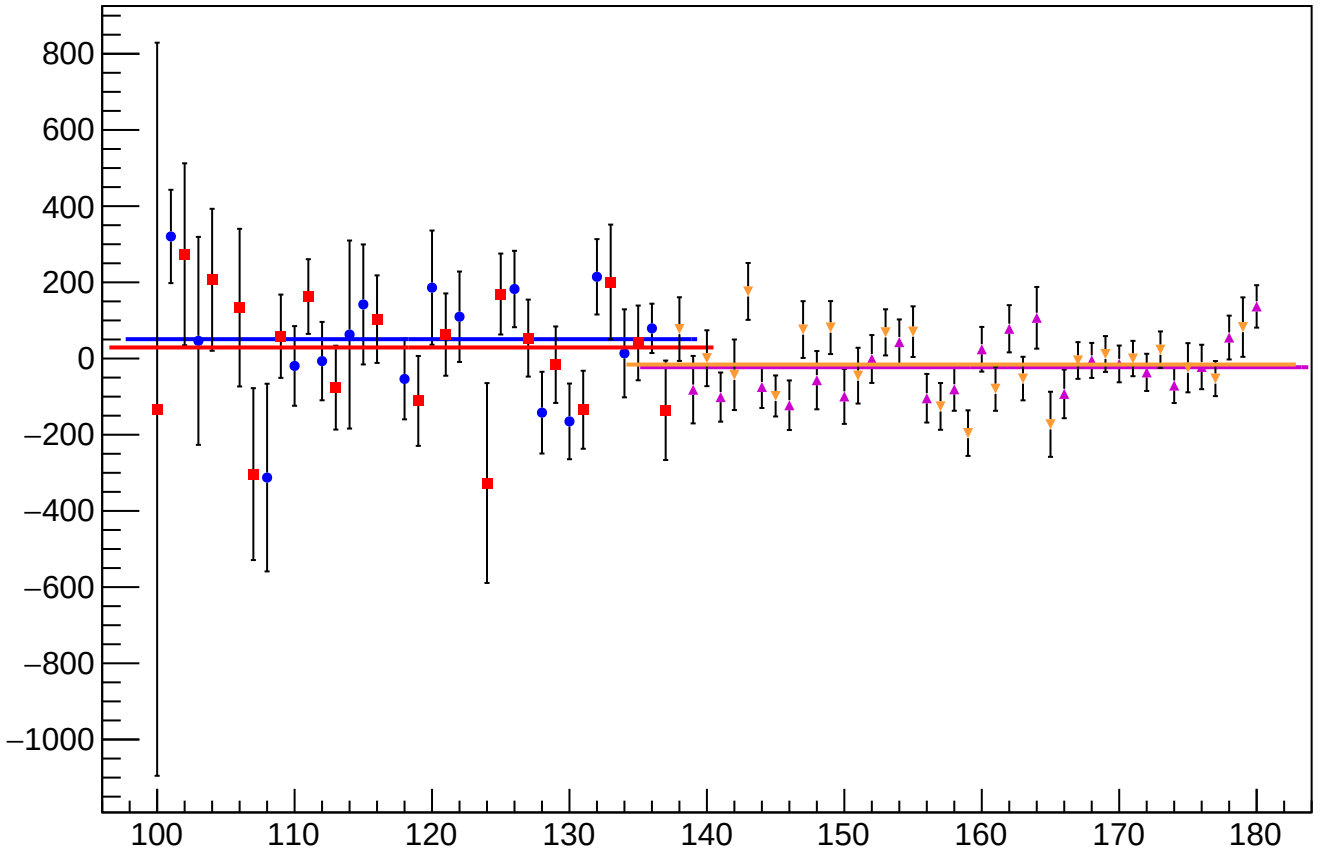
Left: 246.098+/-0.031 χ^2/NDF: 5406239.6/42

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 268.074+/-0.042 χ^2/NDF:7509386.6/36

Out: 273.046+/-0.042 χ^2/NDF:7976397.1/40

All: 270.540+/-0.030 χ^2/NDF: 15492748.6/77



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.770+/-12.919 χ^2/NDF:38.3/21

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -22.832+/-12.849 χ^2/NDF:29.0/20

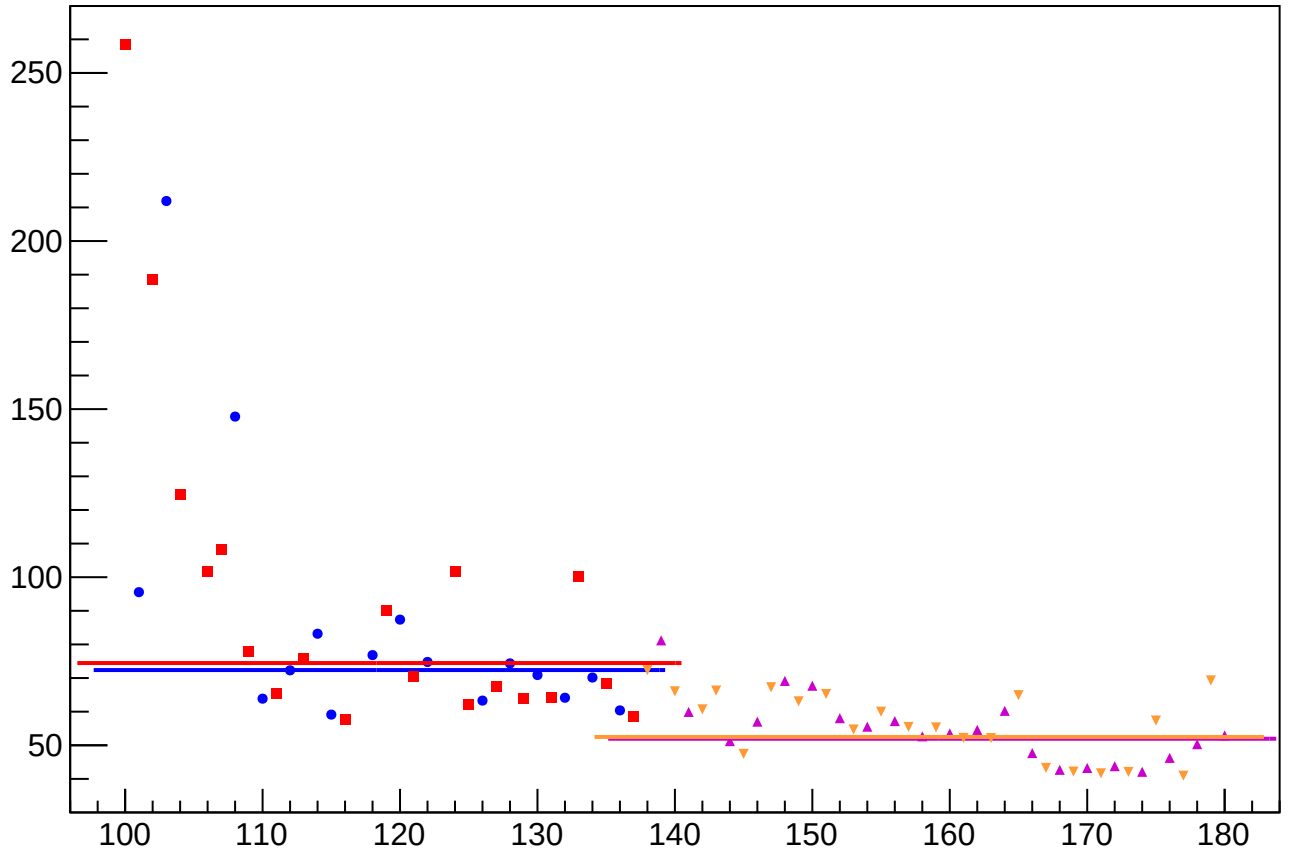
Left: -19.321+/-9.110 χ^2/NDF: 67.4/42

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -10.253+/-11.701 χ^2/NDF:57.5/36

Out: -8.311+/-11.795 χ^2/NDF:58.8/40

All: -9.290+/-8.307 χ^2/NDF: 116.2/77



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151652.2/21

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.947+/-0.009 χ^2/NDF:848499.0/20

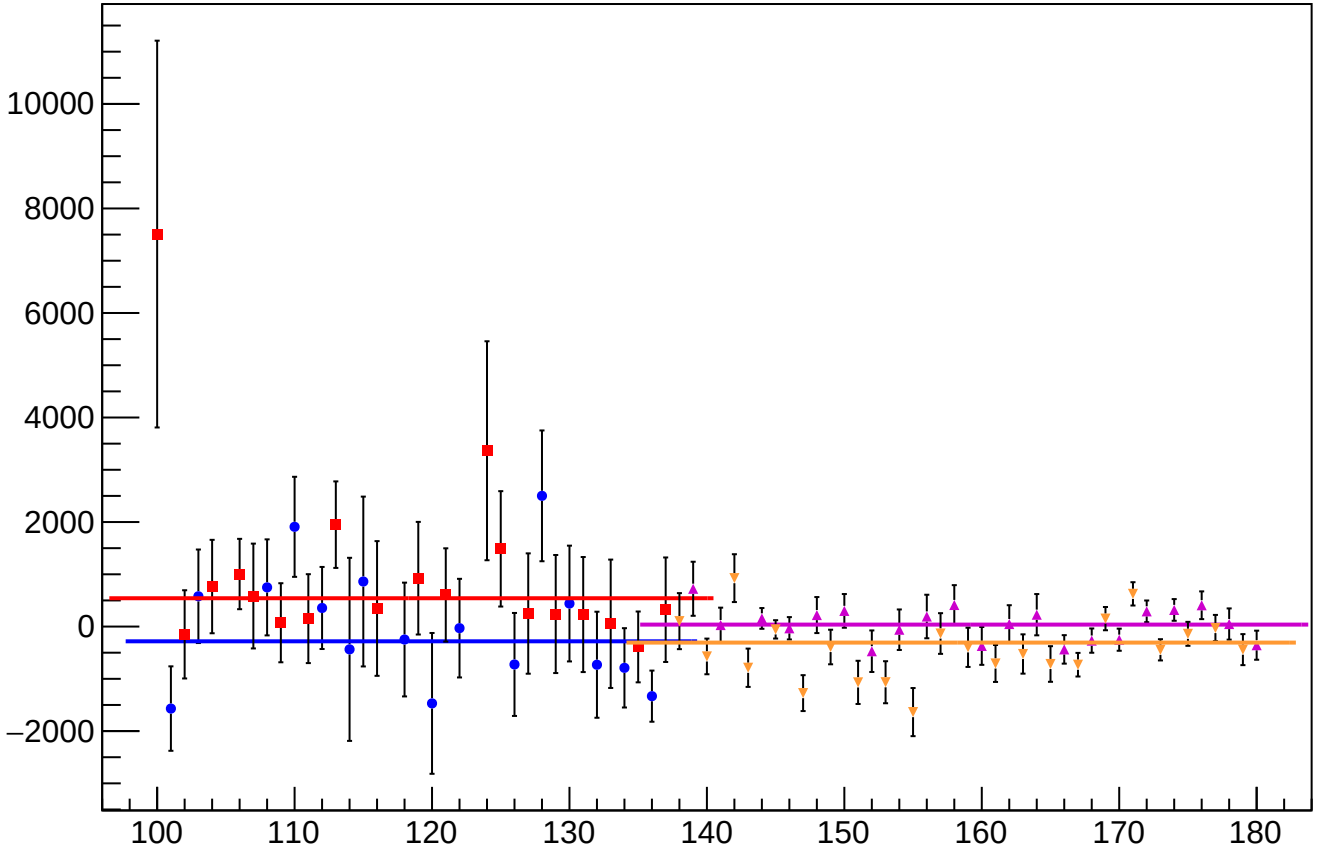
Left: 52.211+/-0.006 χ^2/NDF: 2001851.6/42

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.435+/-0.008 χ^2/NDF:2650090.6/36

Out: 56.138+/-0.008 χ^2/NDF:3168058.5/40

All: 55.784+/-0.006 χ^2/NDF: 5821725.5/77



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.634+/-62.144 χ^2/NDF:66.5/21

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 37.520+/-61.476 χ^2/NDF:21.4/20

Left: -132.697+/-43.704 χ^2/NDF: 103.4/42

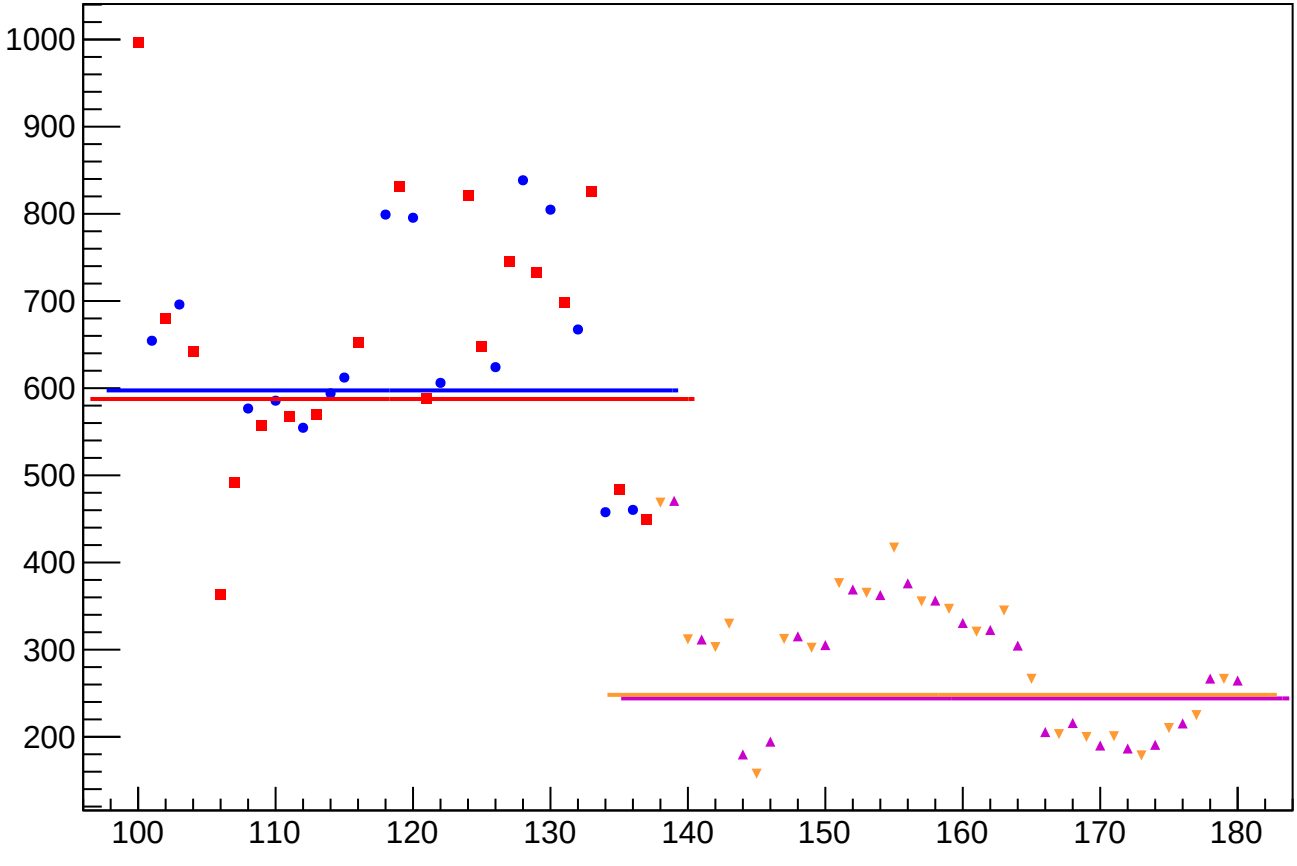
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 15.825+/-59.353 χ^2/NDF:46.0/36

Out: -244.397+/-59.822 χ^2/NDF:93.5/40

All: -113.261+/-42.134 χ^2/NDF: 149.0/77

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912205.7/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 244.084+/-0.043 χ^2/NDF:2489677.5/20

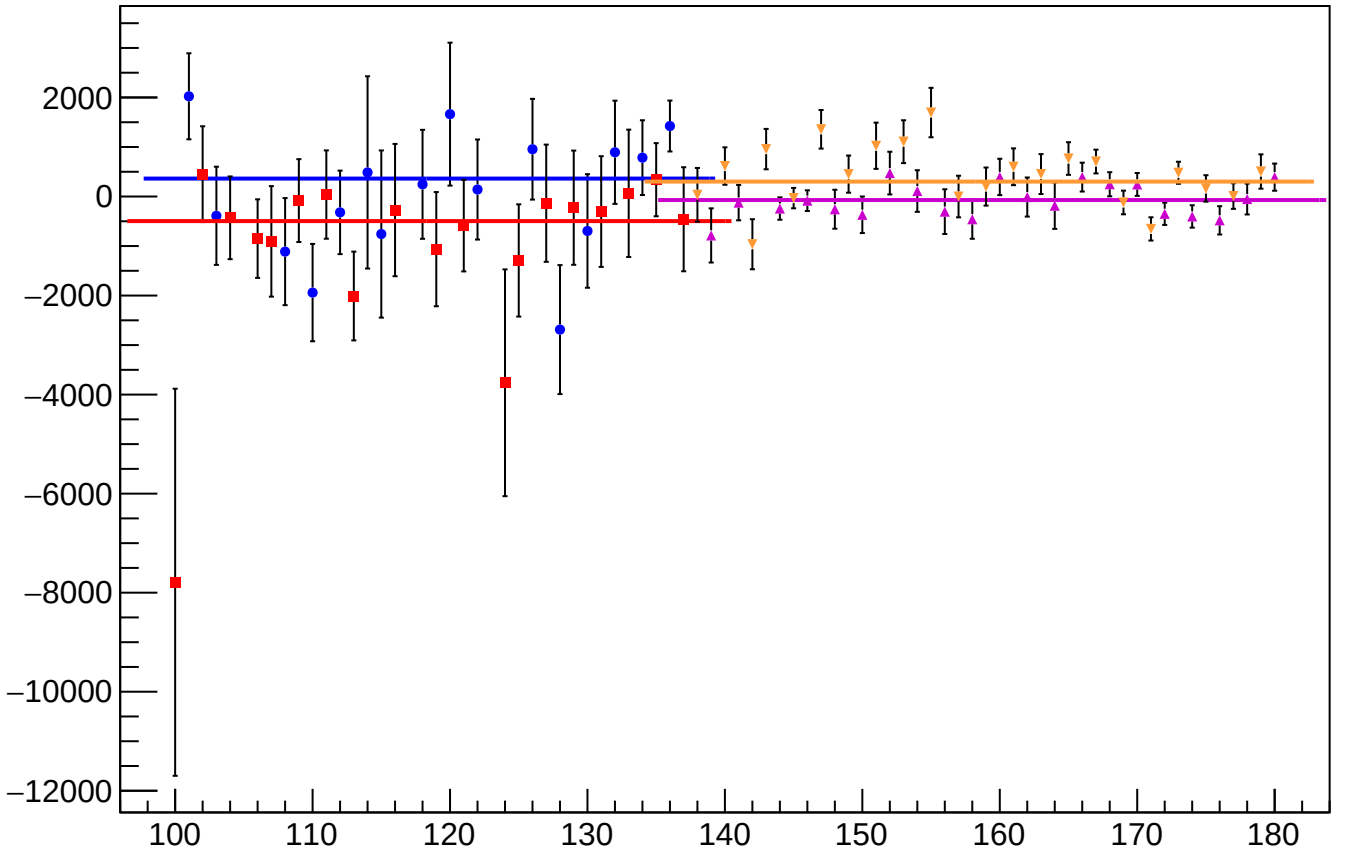
Left: 246.098+/-0.031 χ^2/NDF: 5406222.8/42

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 268.073+/-0.042 χ^2/NDF:7509388.6/36

Out: 273.046+/-0.042 χ^2/NDF:7976385.7/40

All: 270.540+/-0.030 χ^2/NDF: 15492739.4/77



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 301.434+/-67.867 χ^2/NDF:62.0/21

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -71.322+/-65.868 χ^2/NDF:22.6/20

Left: 109.485+/-47.267 χ^2/NDF: 100.1/42

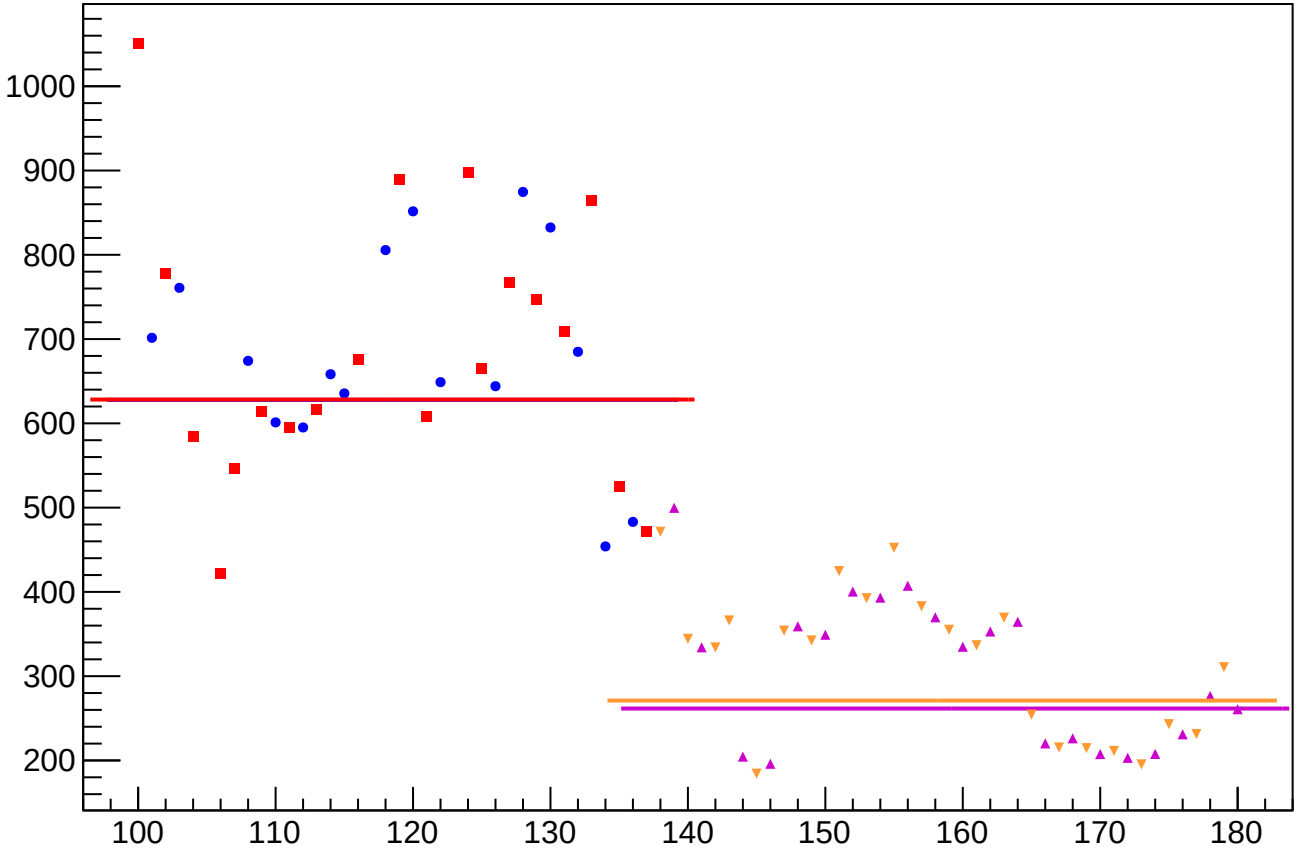
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -41.013+/-63.525 χ^2/NDF:50.6/36

Out: 240.489+/-65.225 χ^2/NDF:85.3/40

All: 96.023+/-45.508 χ^2/NDF: 145.5/77

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 271.073+/-0.048 χ^2/NDF:2742952.0/21

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.608+/-0.047 χ^2/NDF:2532264.2/20

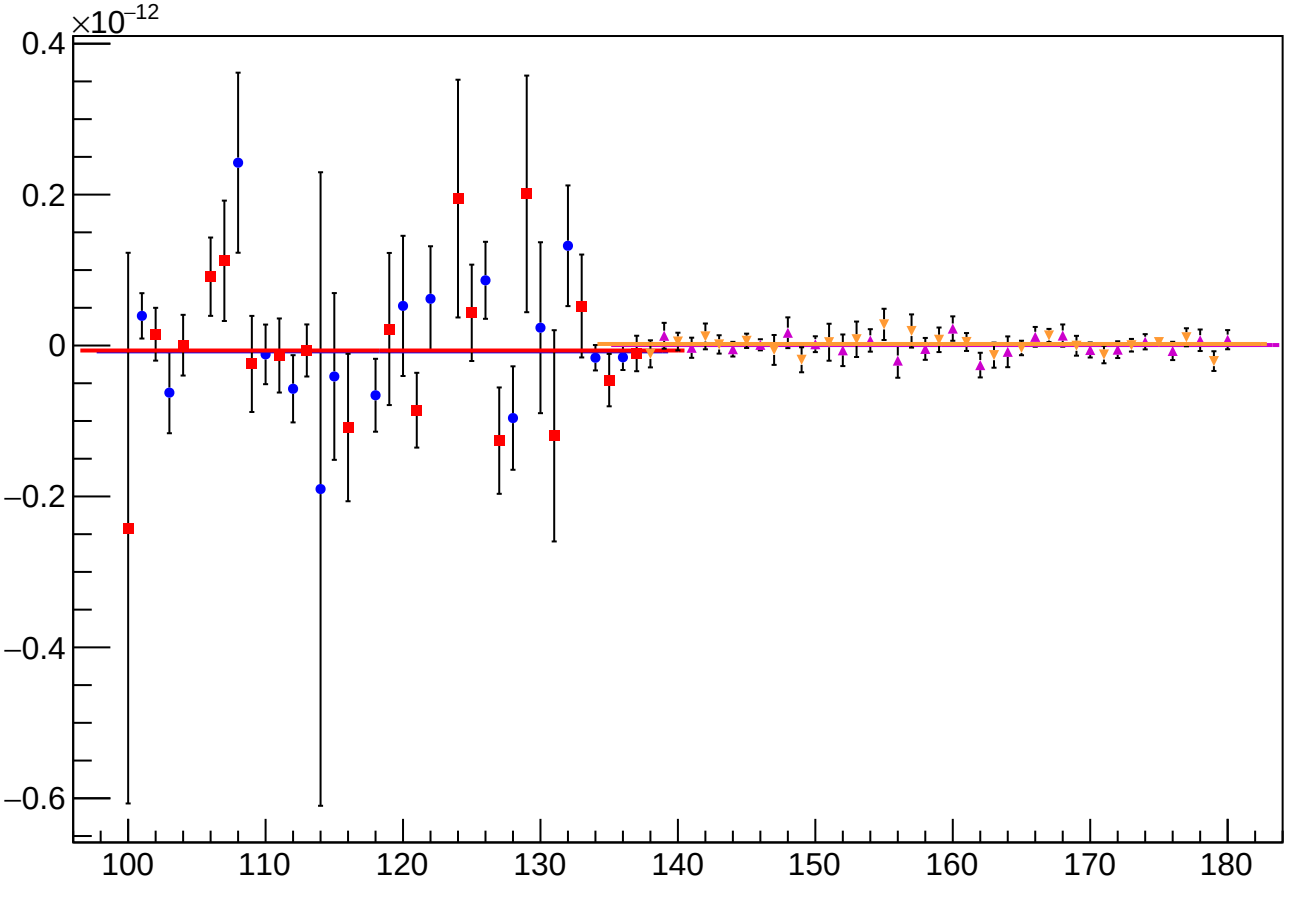
Left: 266.199+/-0.033 χ^2/NDF: 5295247.2/42

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 287.205+/-0.045 χ^2/NDF:7421149.7/36

Out: 298.349+/-0.046 χ^2/NDF:7544190.7/40

All: 292.630+/-0.032 χ^2/NDF: 14995299.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/20

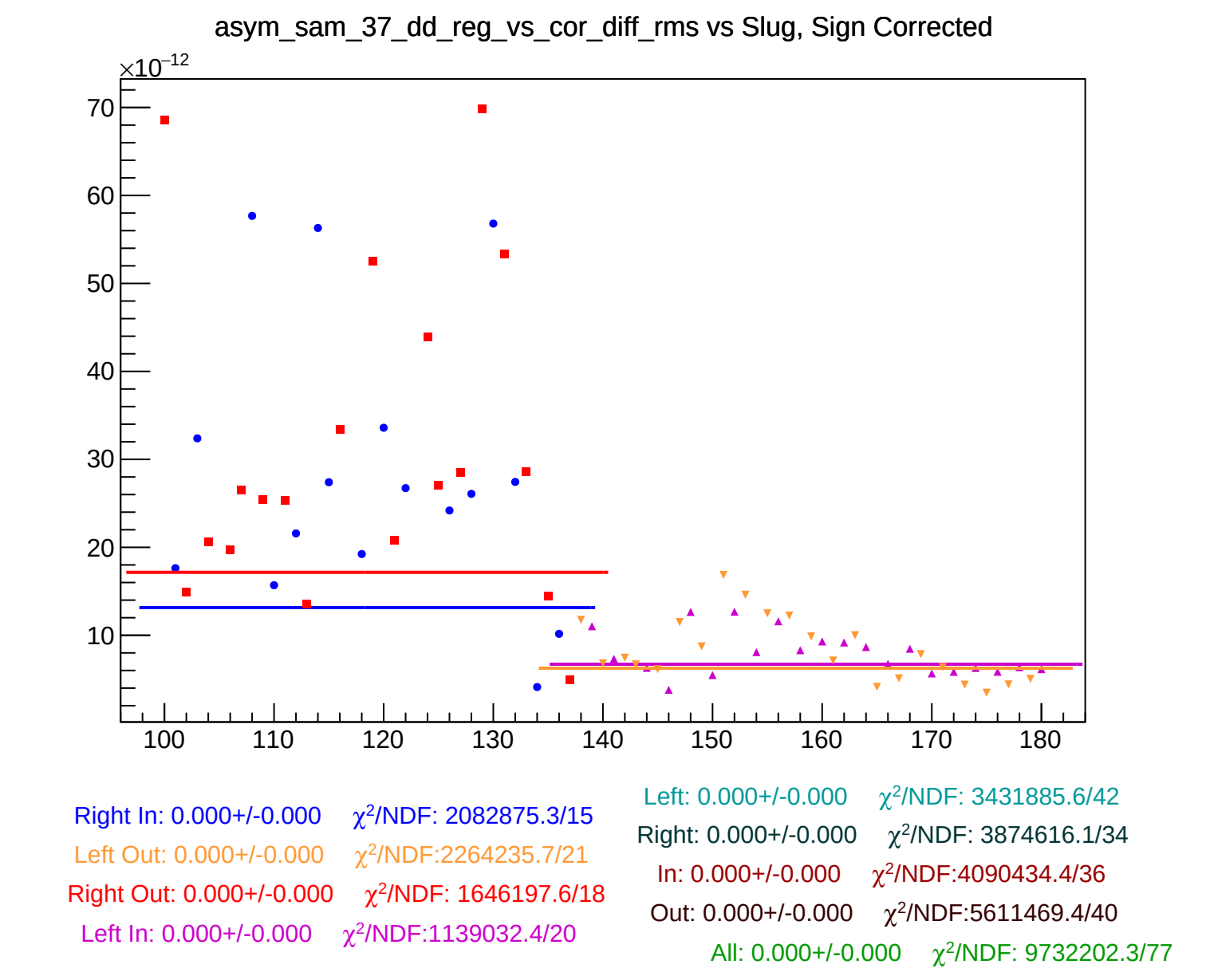
Left: 0.000+/-0.000 χ^2/NDF: 24.2/42

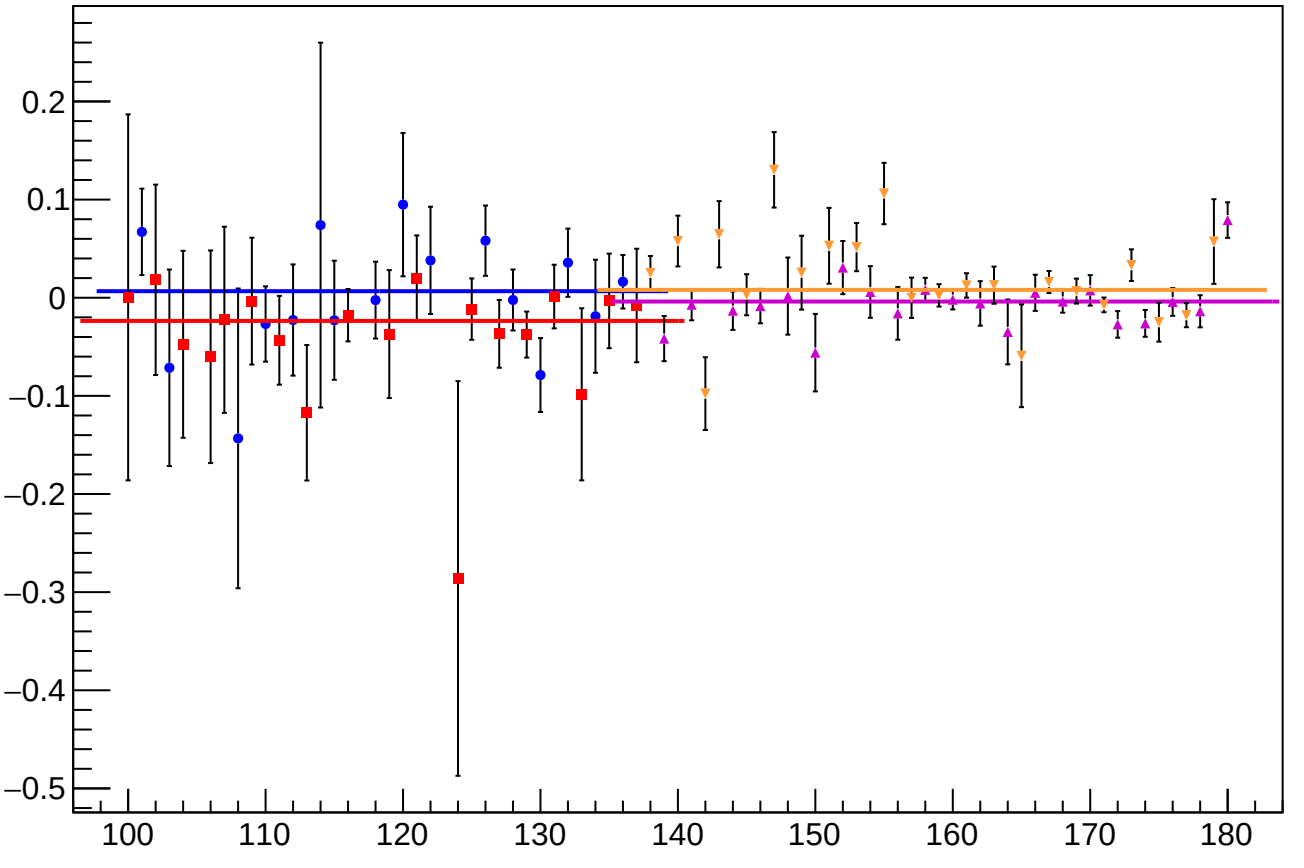
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.4/36

Out: 0.000+/-0.000 χ^2/NDF:33.9/40

All: 0.000+/-0.000 χ^2/NDF: 66.5/77


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2264235.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1139032.4/20
Left: 0.000+/-0.000 χ²/NDF: 3431885.6/42
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4090434.4/36
Out: 0.000+/-0.000 χ²/NDF:5611469.4/40
All: 0.000+/-0.000 χ²/NDF: 9732202.3/77



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/20

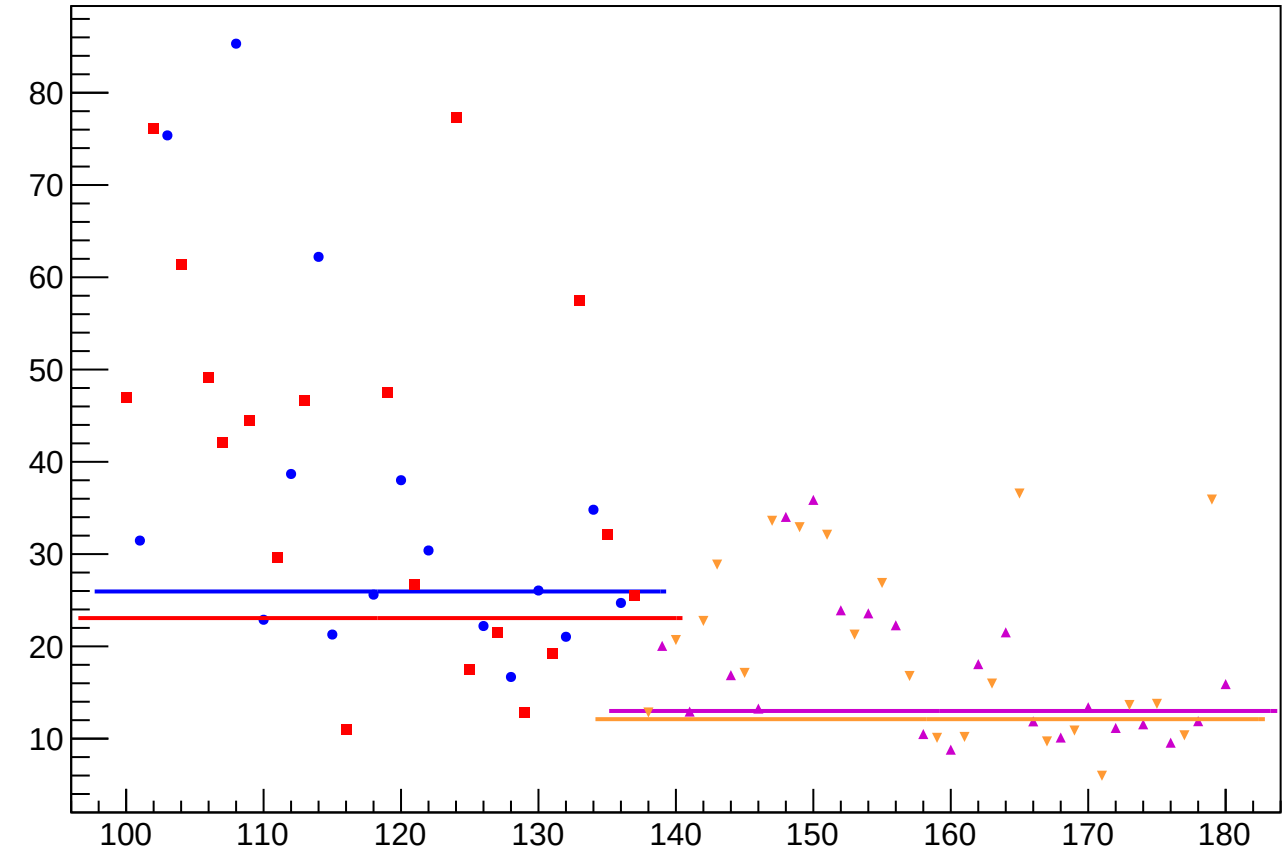
Left: 0.002+/-0.003 χ^2/NDF: 100.0/42

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/36

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: 0.001+/-0.002 χ^2/NDF: 128.5/77



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

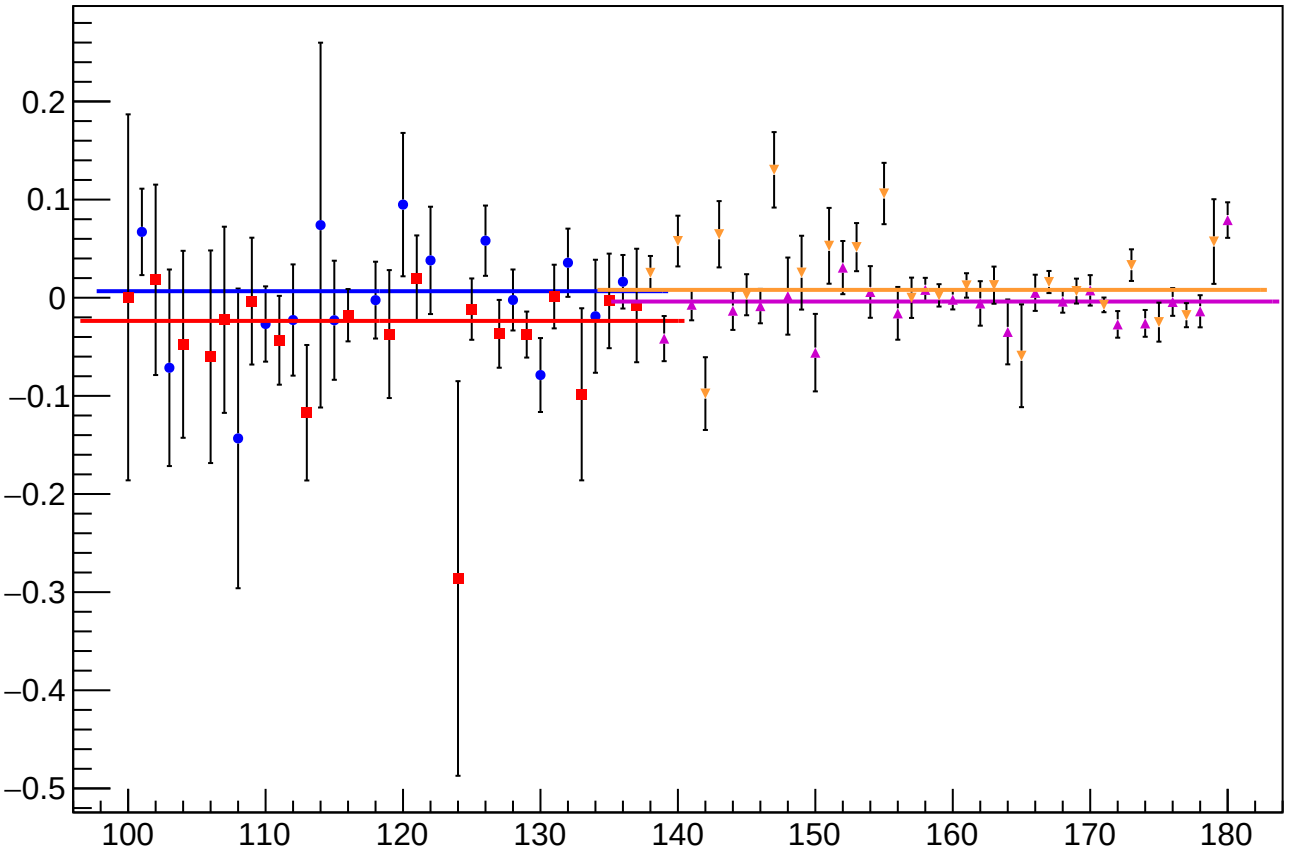
Left: 12.541+/-0.002 χ^2/NDF: 9867032.0/42

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.274+/-0.002 χ^2/NDF:7280530.0/36

Out: 13.243+/-0.002 χ^2/NDF:11674647.5/40

All: 13.742+/-0.002 χ^2/NDF: 19045627.5/77



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/20

Left: 0.002+/-0.003 χ^2/NDF: 100.0/42

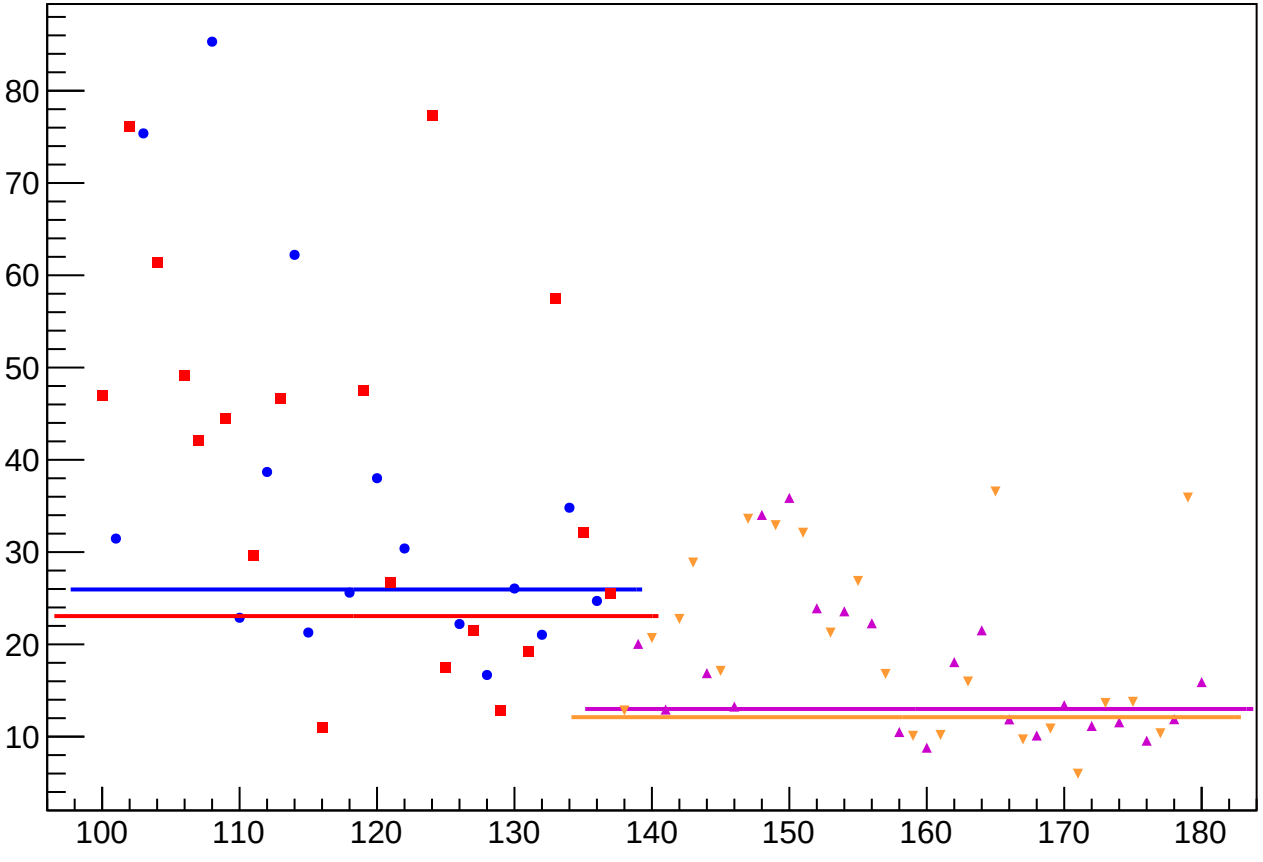
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/36

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: 0.001+/-0.002 χ^2/NDF: 128.5/77

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.998+/-0.003 χ^2/NDF:3444391.2/20

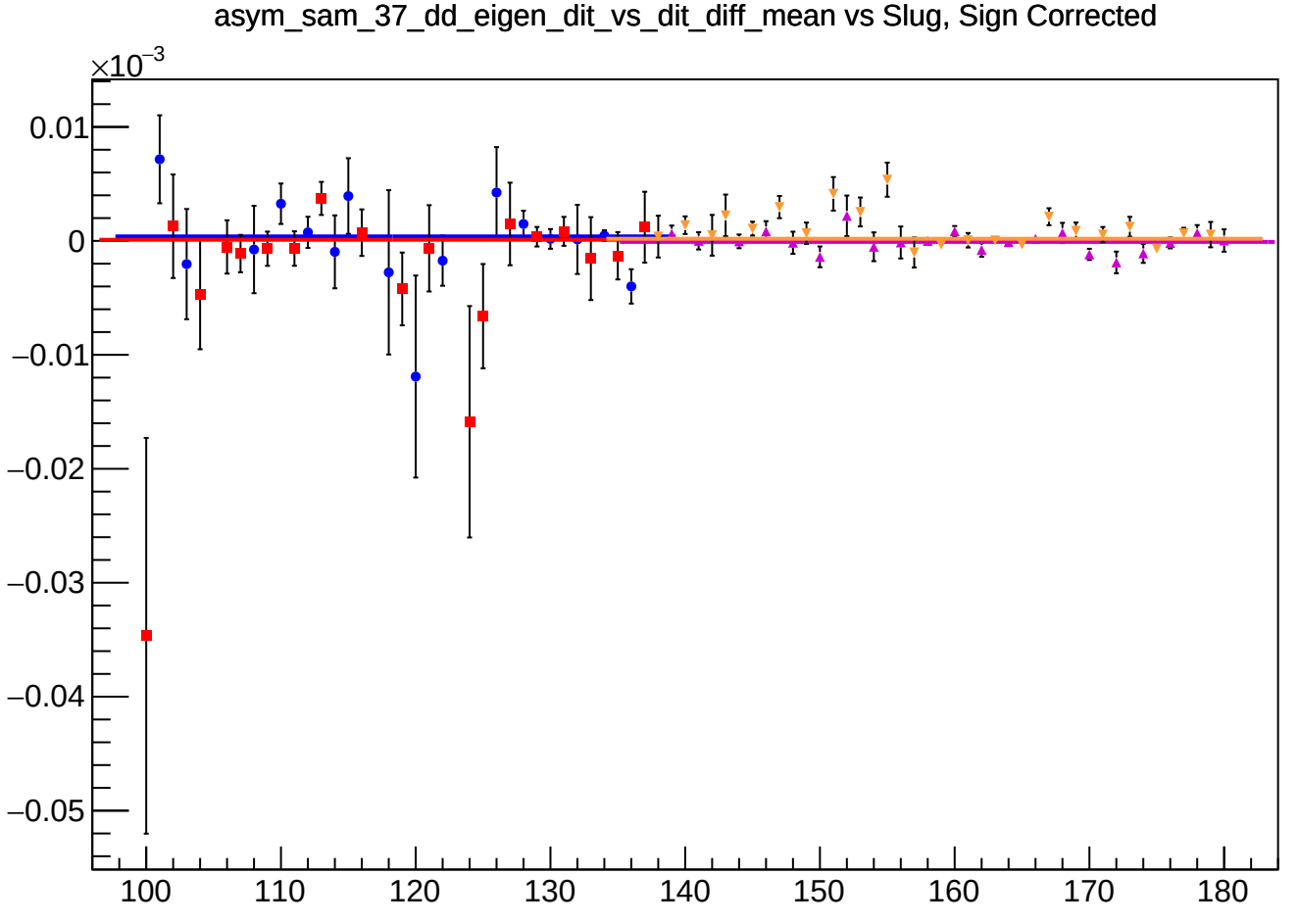
Left: 12.541+/-0.002 χ^2/NDF: 9867032.0/42

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.274+/-0.002 χ^2/NDF:7280530.0/36

Out: 13.243+/-0.002 χ^2/NDF:11674647.5/40

All: 13.742+/-0.002 χ^2/NDF: 19045627.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:23.9/20

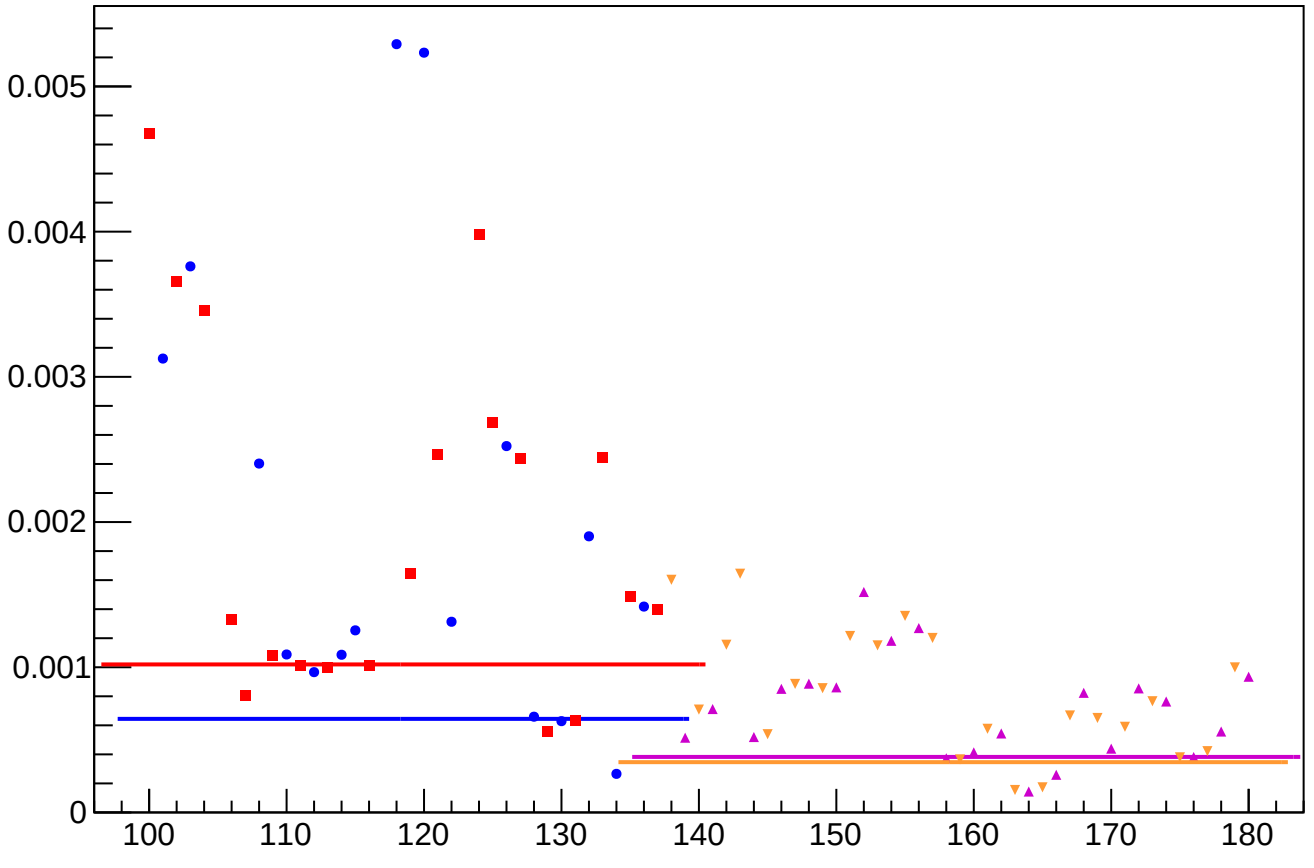
Left: 0.000+/-0.000 χ^2/NDF: 86.9/42

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:46.6/36

Out: 0.000+/-0.000 χ^2/NDF:80.4/40

All: 0.000+/-0.000 χ^2/NDF: 129.1/77



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13277358.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10381501.2/20

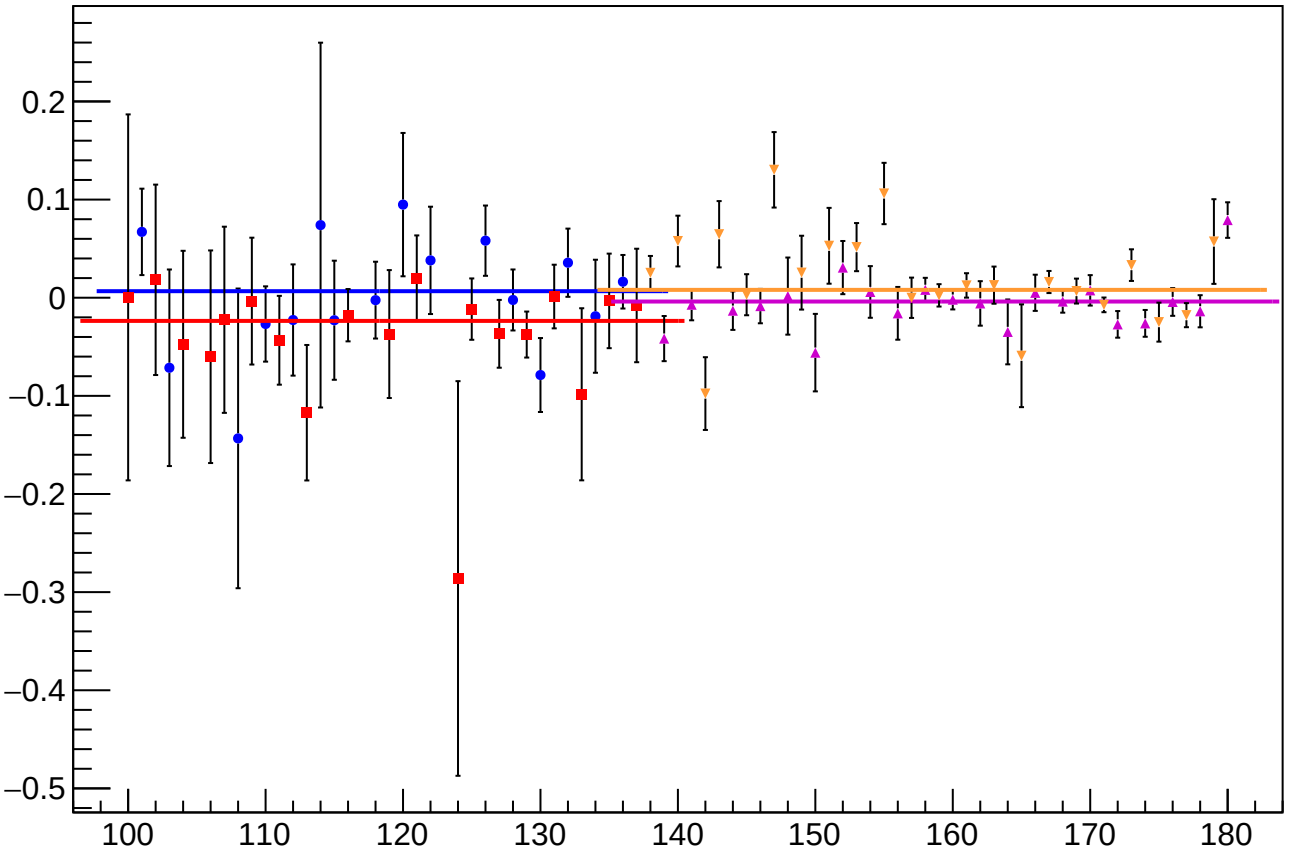
Left: 0.000+/-0.000 χ^2/NDF: 23762884.3/42

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:18021526.3/36

Out: 0.000+/-0.000 χ^2/NDF:21168964.9/40

All: 0.000+/-0.000 χ^2/NDF: 39252397.1/77



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/20

Left: 0.002+/-0.003 χ^2/NDF: 100.0/42

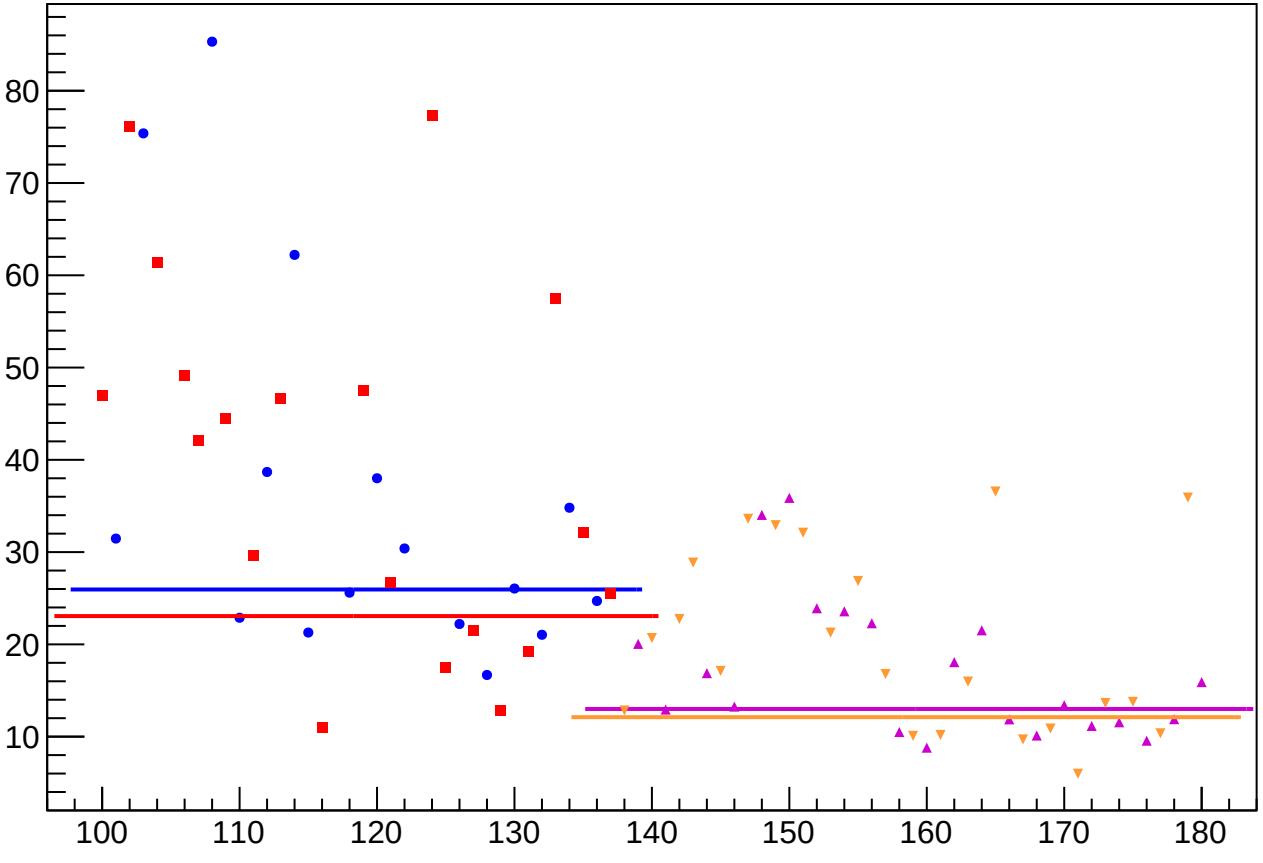
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/36

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: 0.001+/-0.002 χ^2/NDF: 128.5/77

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

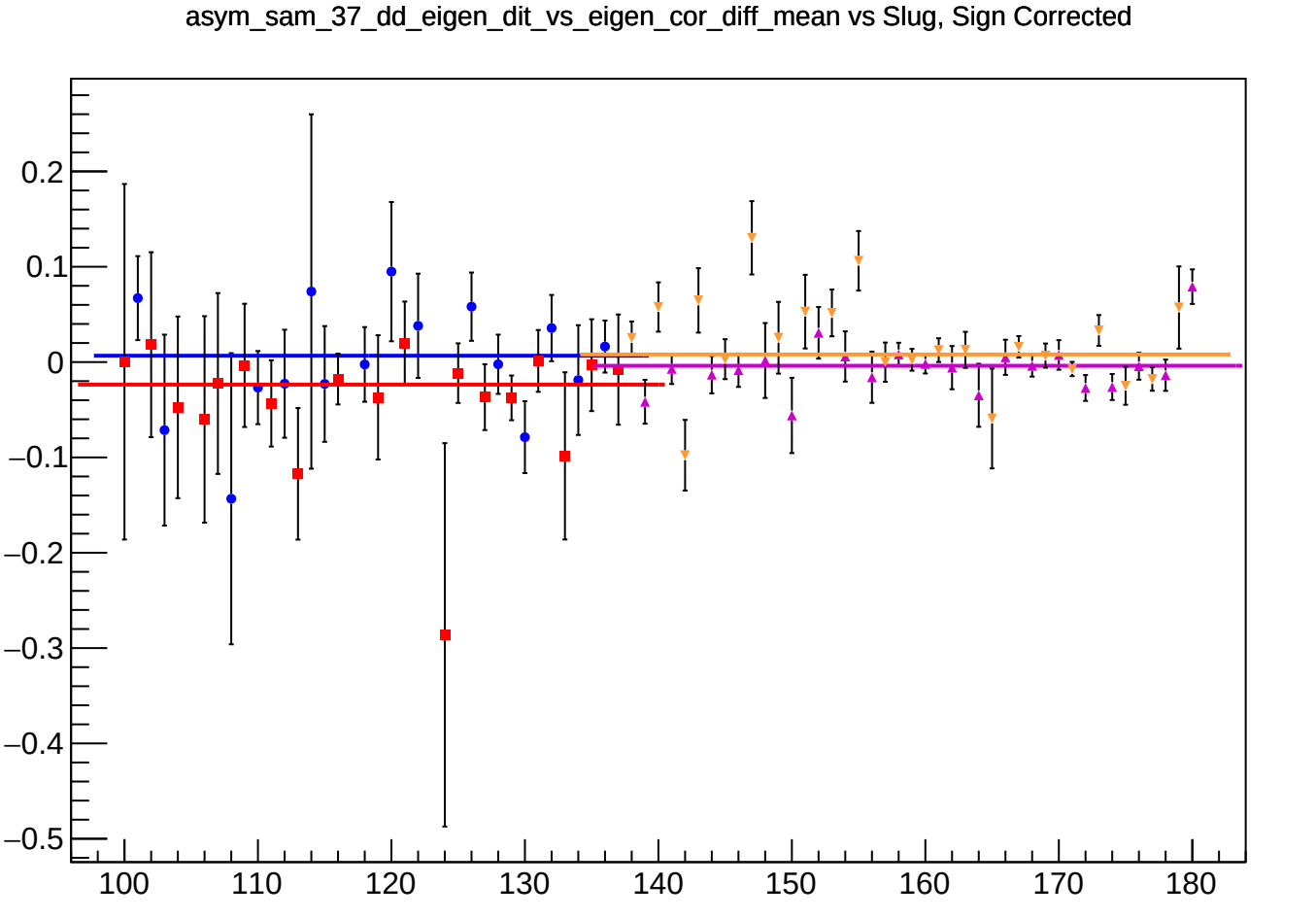
Left: 12.541+/-0.002 χ^2/NDF: 9867421.7/42

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.274+/-0.002 χ^2/NDF:7280727.6/36

Out: 13.243+/-0.002 χ^2/NDF:11674818.3/40

All: 13.742+/-0.002 χ^2/NDF: 19045987.1/77



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.004 χ^2/NDF:36.4/20

Left: 0.002+/-0.003 χ^2/NDF: 100.0/42

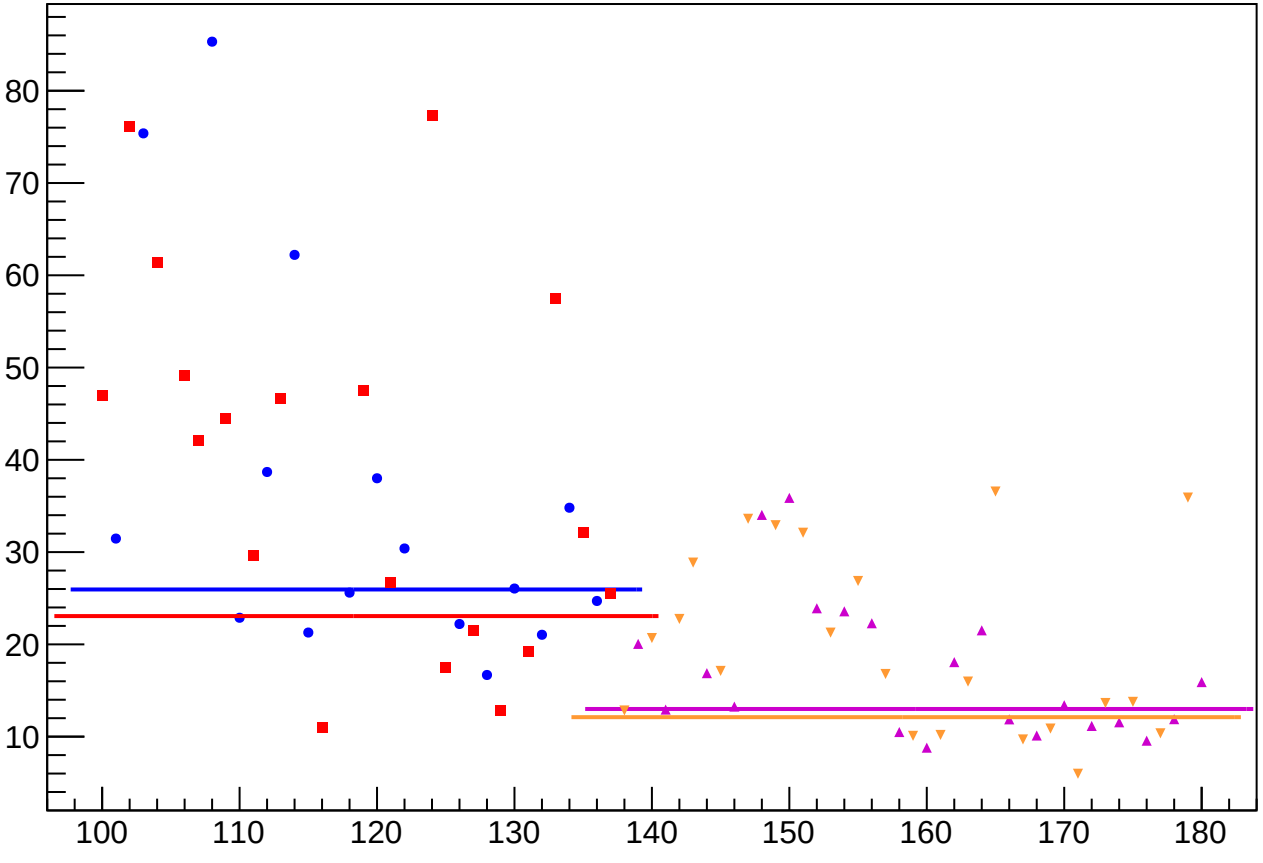
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.003 χ^2/NDF:52.2/36

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: 0.001+/-0.002 χ^2/NDF: 128.5/77

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.998+/-0.003 χ^2/NDF:3444552.7/20

Left: 12.541+/-0.002 χ^2/NDF: 9867421.7/42

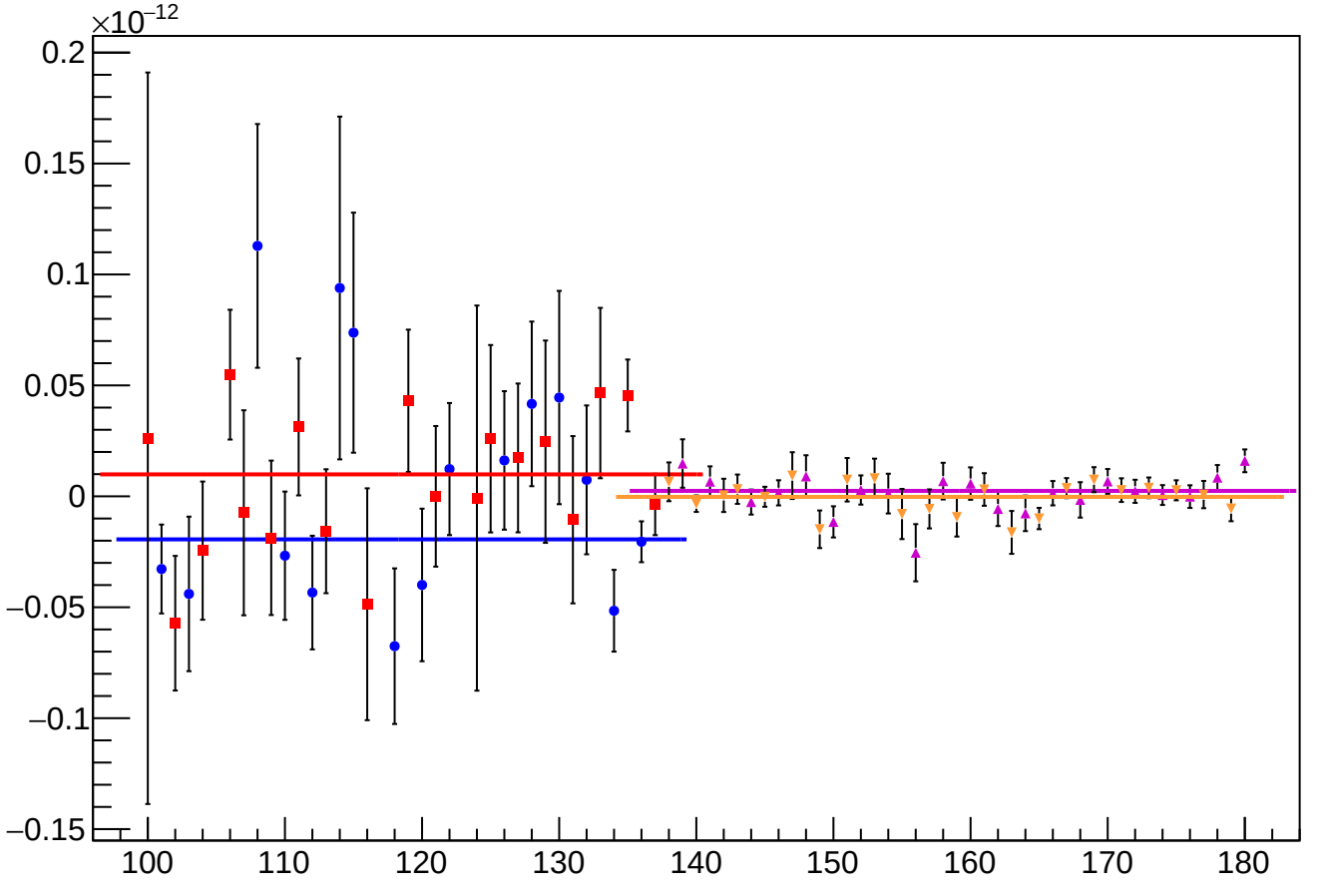
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.274+/-0.002 χ^2/NDF:7280727.6/36

Out: 13.243+/-0.002 χ^2/NDF:11674818.3/40

All: 13.742+/-0.002 χ^2/NDF: 19045987.1/77

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.2/20

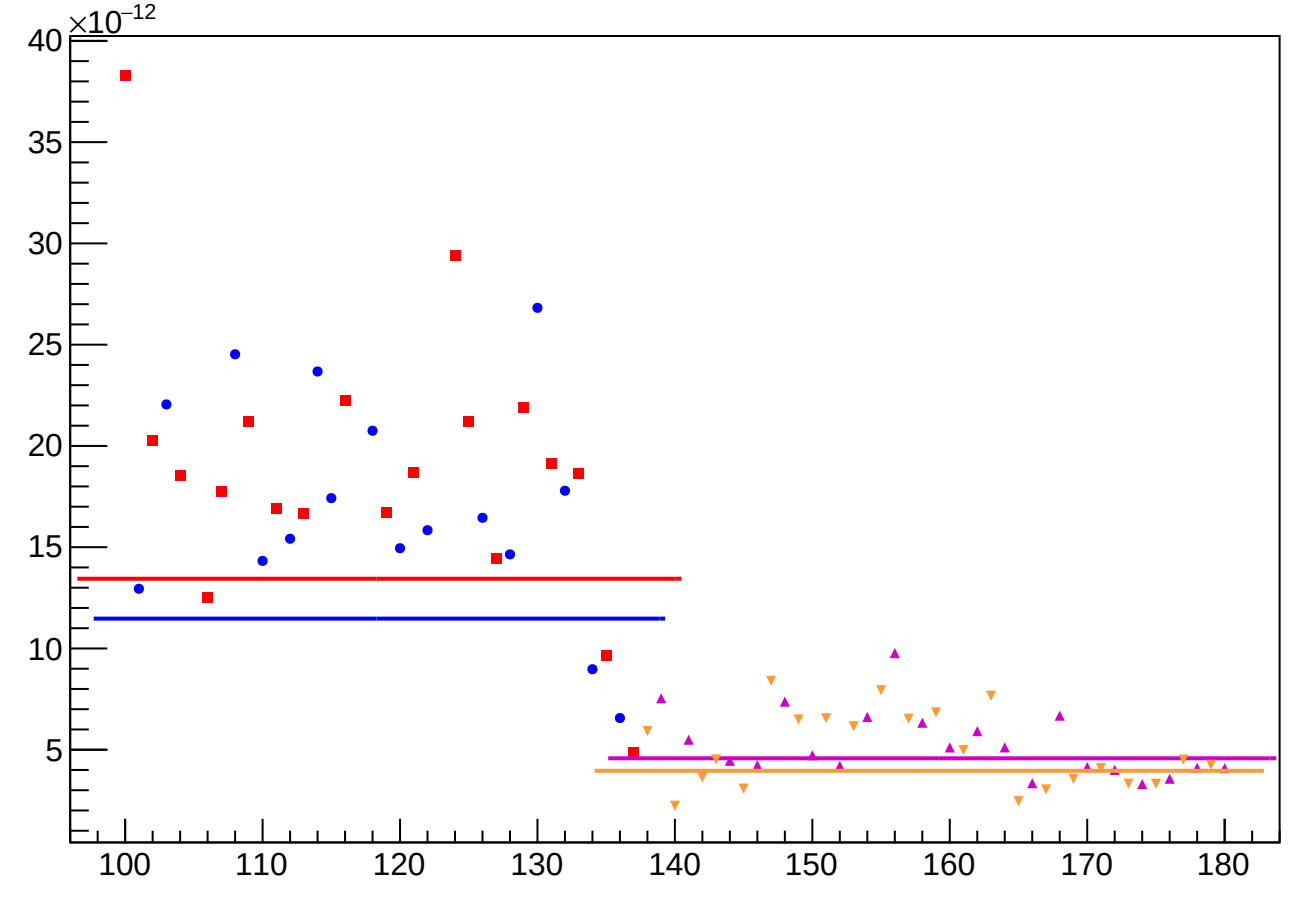
Left: 0.000+/-0.000 χ^2/NDF: 47.1/42

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: 0.000+/-0.000 χ^2/NDF:62.3/36

Out: 0.000+/-0.000 χ^2/NDF:43.4/40

All: 0.000+/-0.000 χ^2/NDF: 106.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2775623.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1518414.8/20

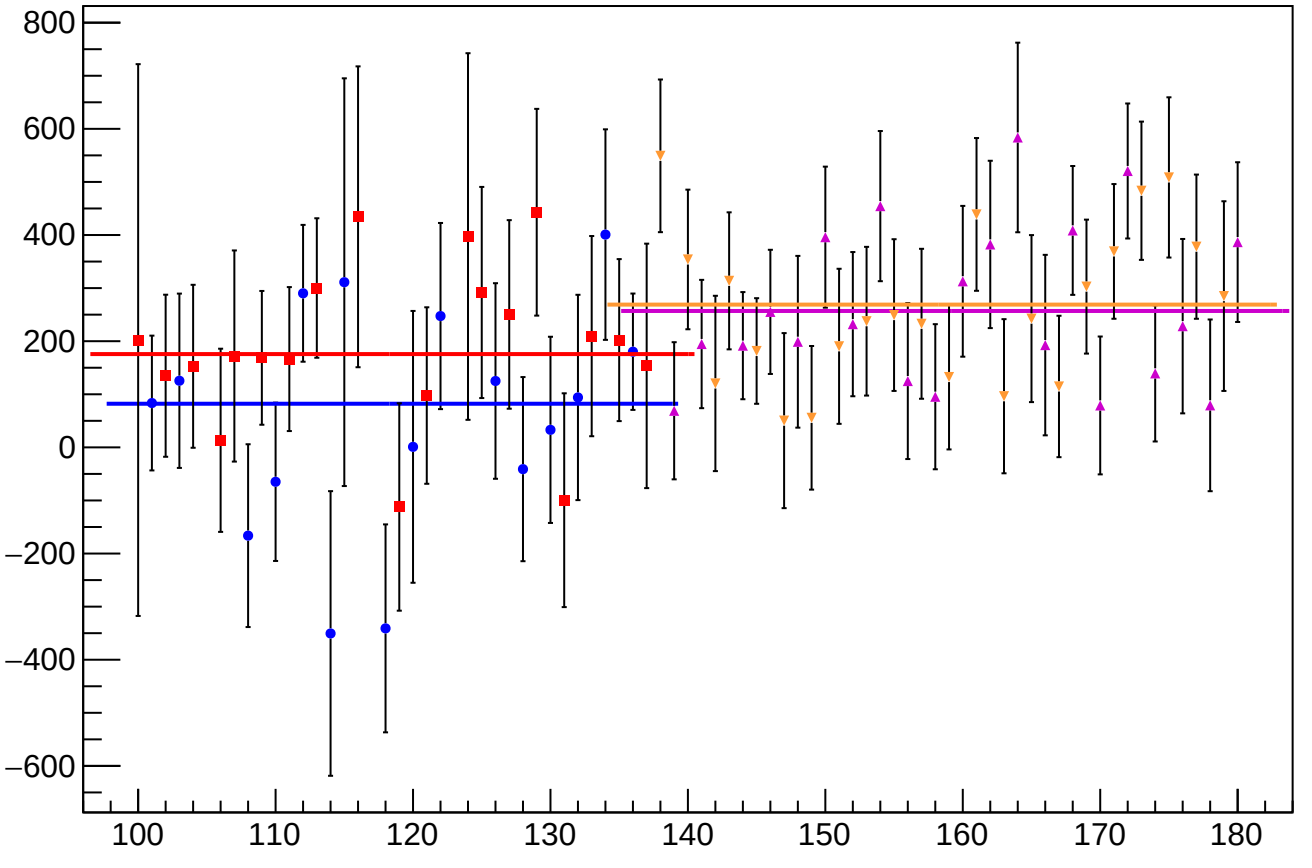
Left: 0.000+/-0.000 χ^2/NDF: 4502057.5/42

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5596946.2/36

Out: 0.000+/-0.000 χ^2/NDF:8225088.0/40

All: 0.000+/-0.000 χ^2/NDF: 14054776.3/77



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.922+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 256.924+/-29.830 χ^2/NDF:23.1/20

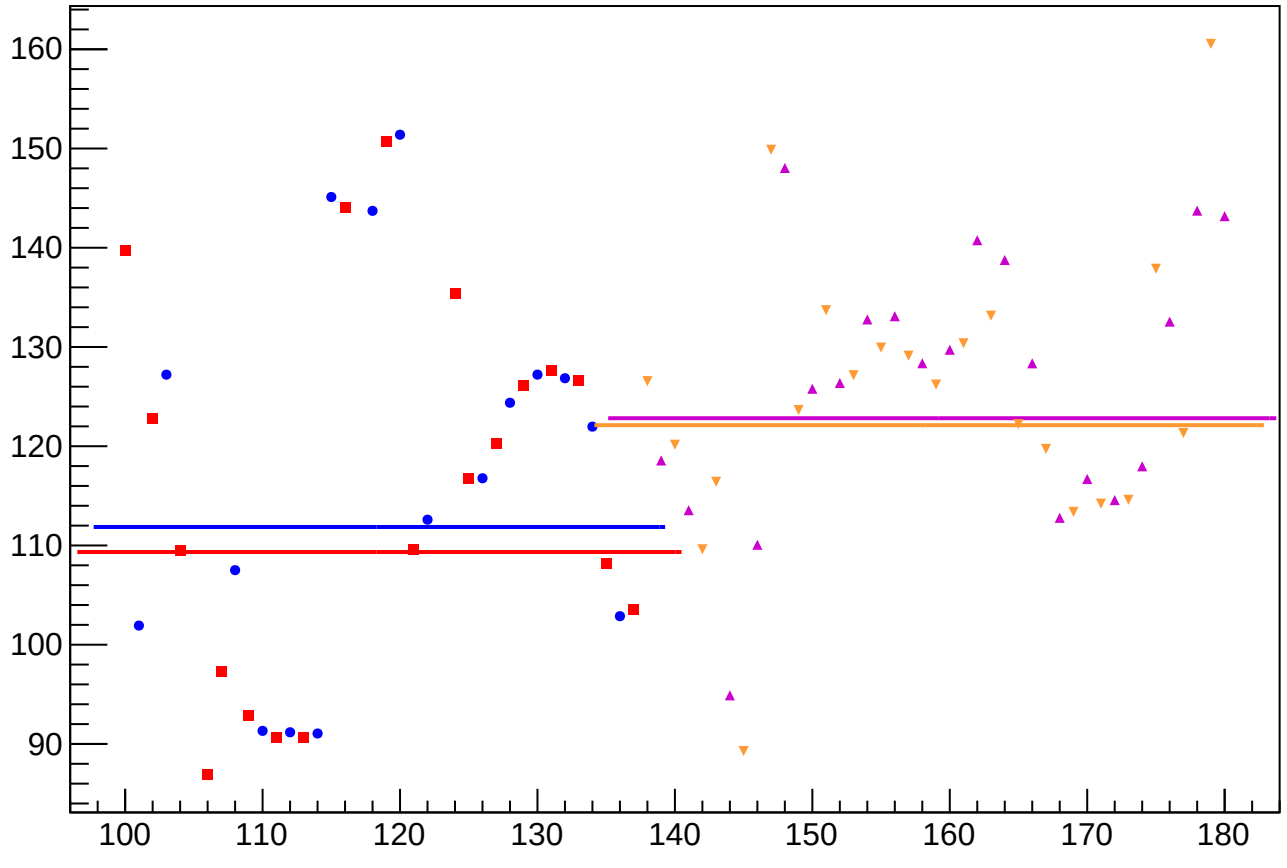
Left: 262.998+/-20.961 χ^2/NDF: 45.5/42

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 198.584+/-24.346 χ^2/NDF:52.9/36

Out: 236.853+/-23.860 χ^2/NDF:35.7/40

All: 218.104+/-17.041 χ^2/NDF: 89.8/77



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

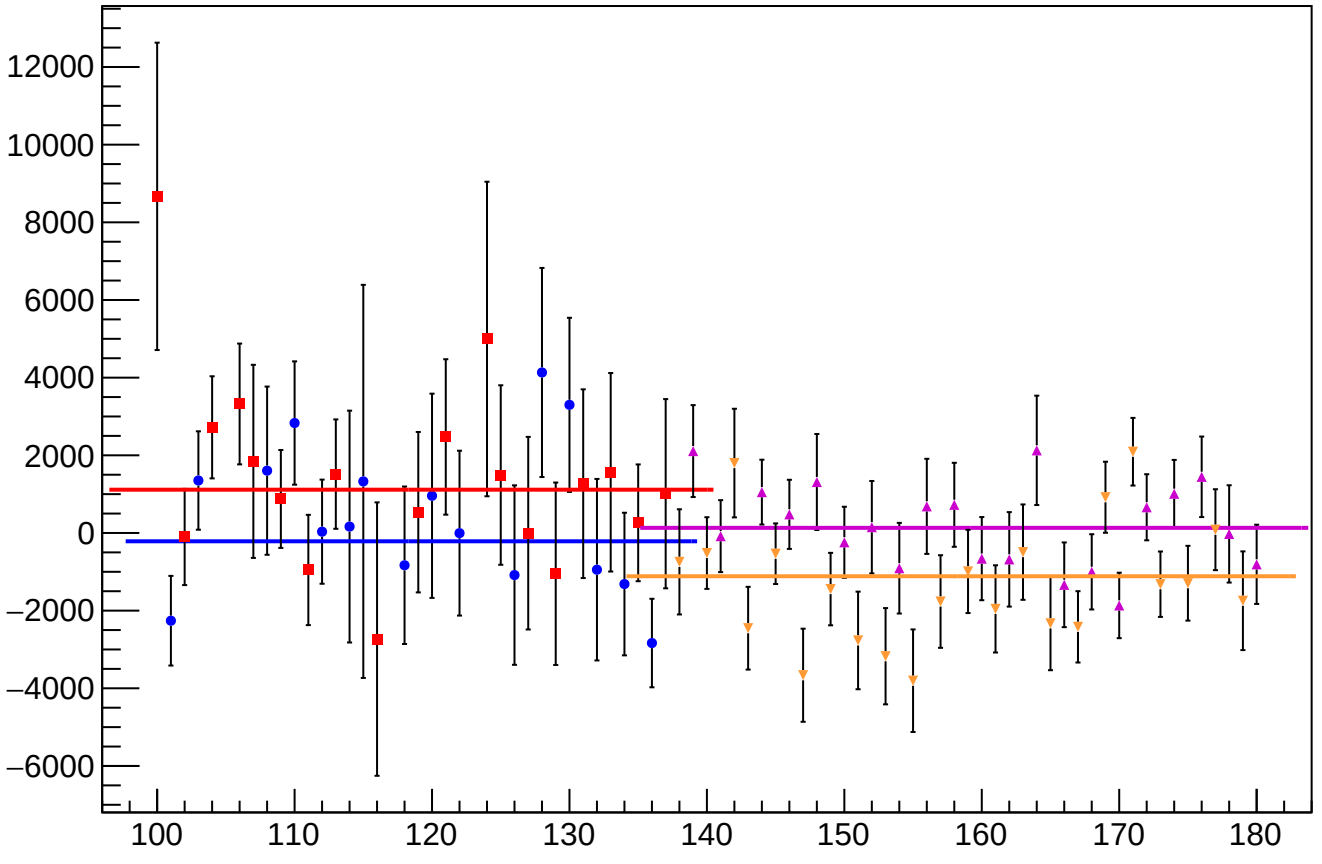
Left: 122.467+/-0.015 χ^2/NDF: 898208.8/42

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 119.162+/-0.017 χ^2/NDF:816130.4/36

Out: 117.723+/-0.017 χ^2/NDF:974422.7/40

All: 118.428+/-0.012 χ^2/NDF: 1794121.6/77



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1114.802+/-224.167 χ^2/NDF:44.6/21

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 132.000+/-223.713 χ^2/NDF:22.3/20

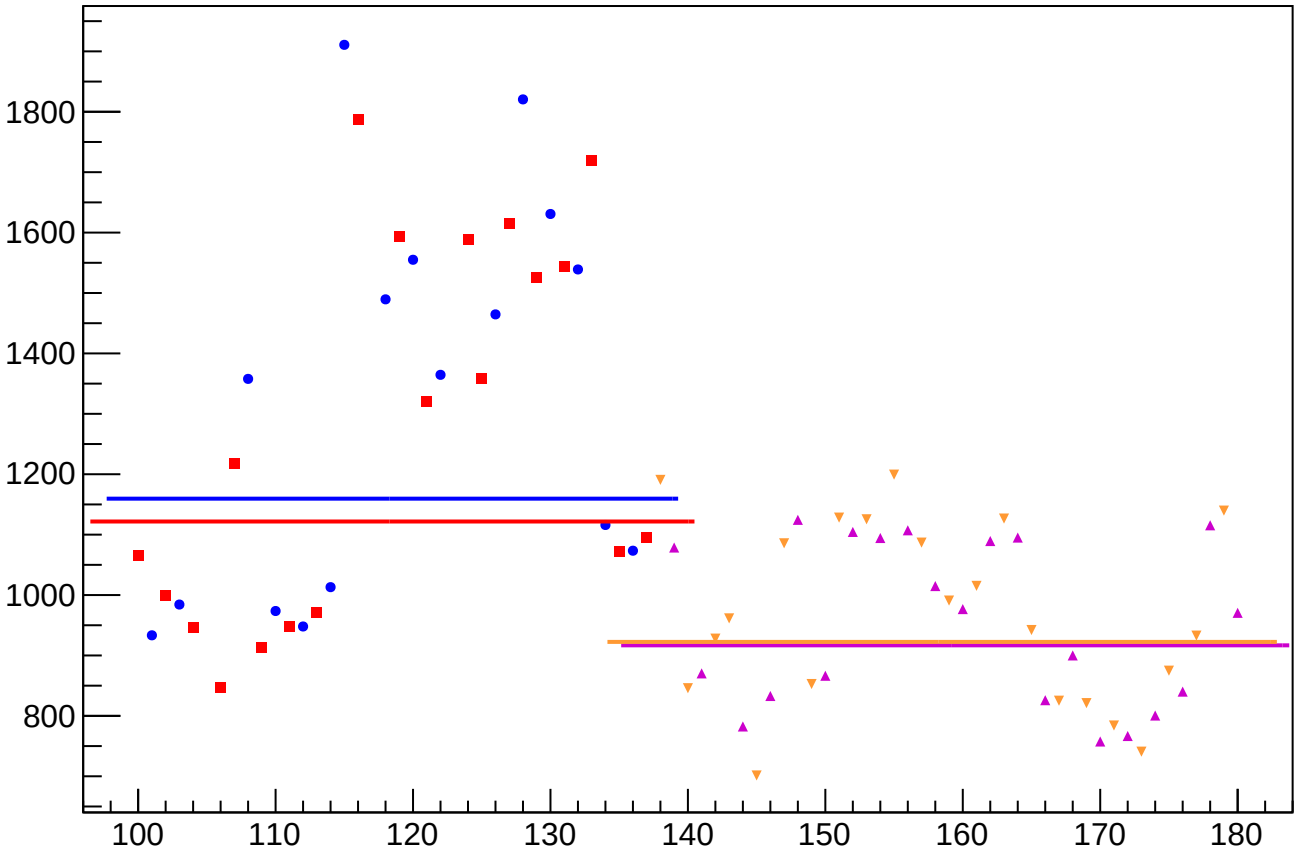
Left: -490.136+/-158.349 χ^2/NDF: 82.3/42

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 61.897+/-199.782 χ^2/NDF:43.2/36

Out: -626.022+/-198.077 χ^2/NDF:80.8/40

All: -285.012+/-140.660 χ^2/NDF: 130.0/77



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.0/21

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 916.763+/-0.158 χ^2/NDF:664532.9/20

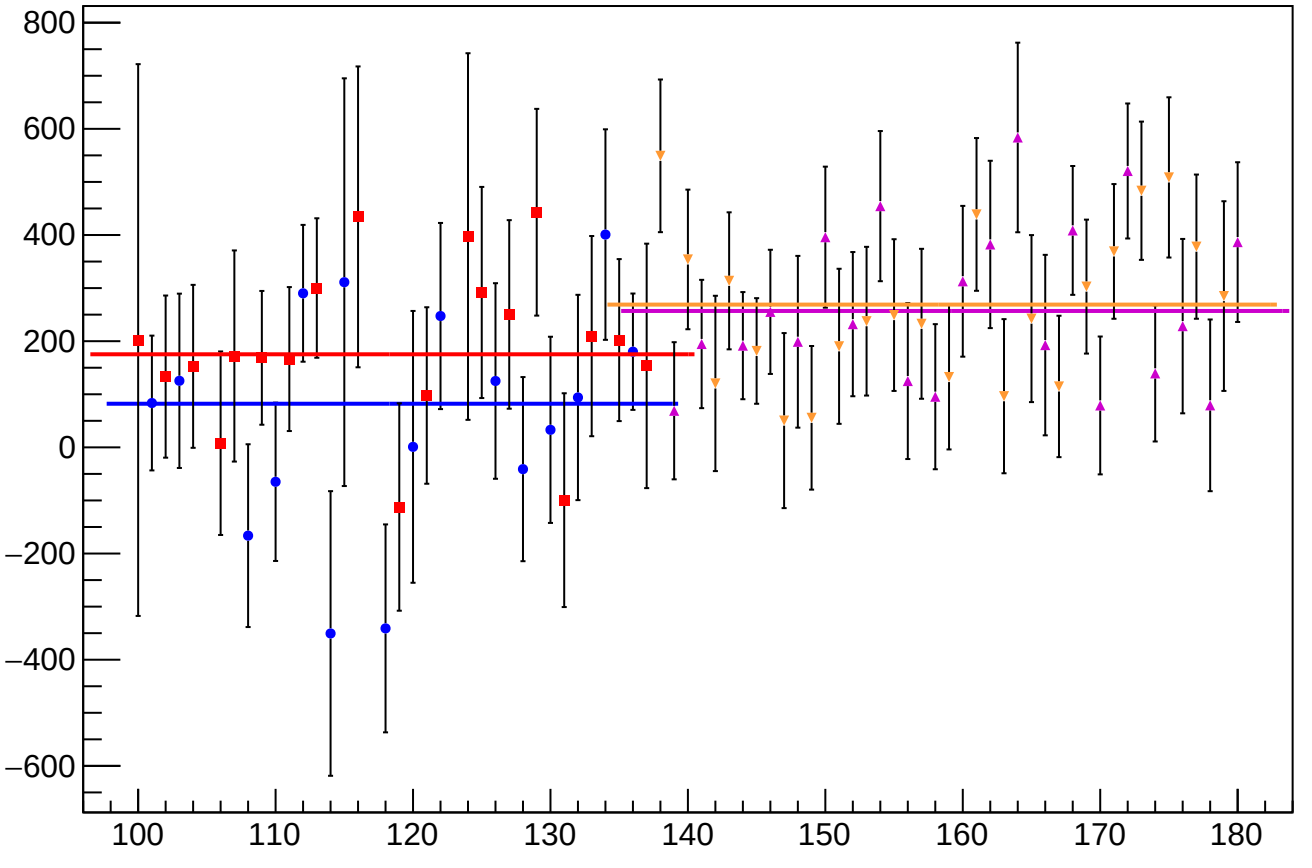
Left: 919.605+/-0.112 χ^2/NDF: 1533757.8/42

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 965.930+/-0.141 χ^2/NDF:1825294.5/36

Out: 966.150+/-0.140 χ^2/NDF:1997407.6/40

All: 966.041+/-0.099 χ^2/NDF: 3822703.4/77



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 256.927+/-29.830 χ^2/NDF:23.1/20

Left: 263.001+/-20.961 χ^2/NDF: 45.5/42

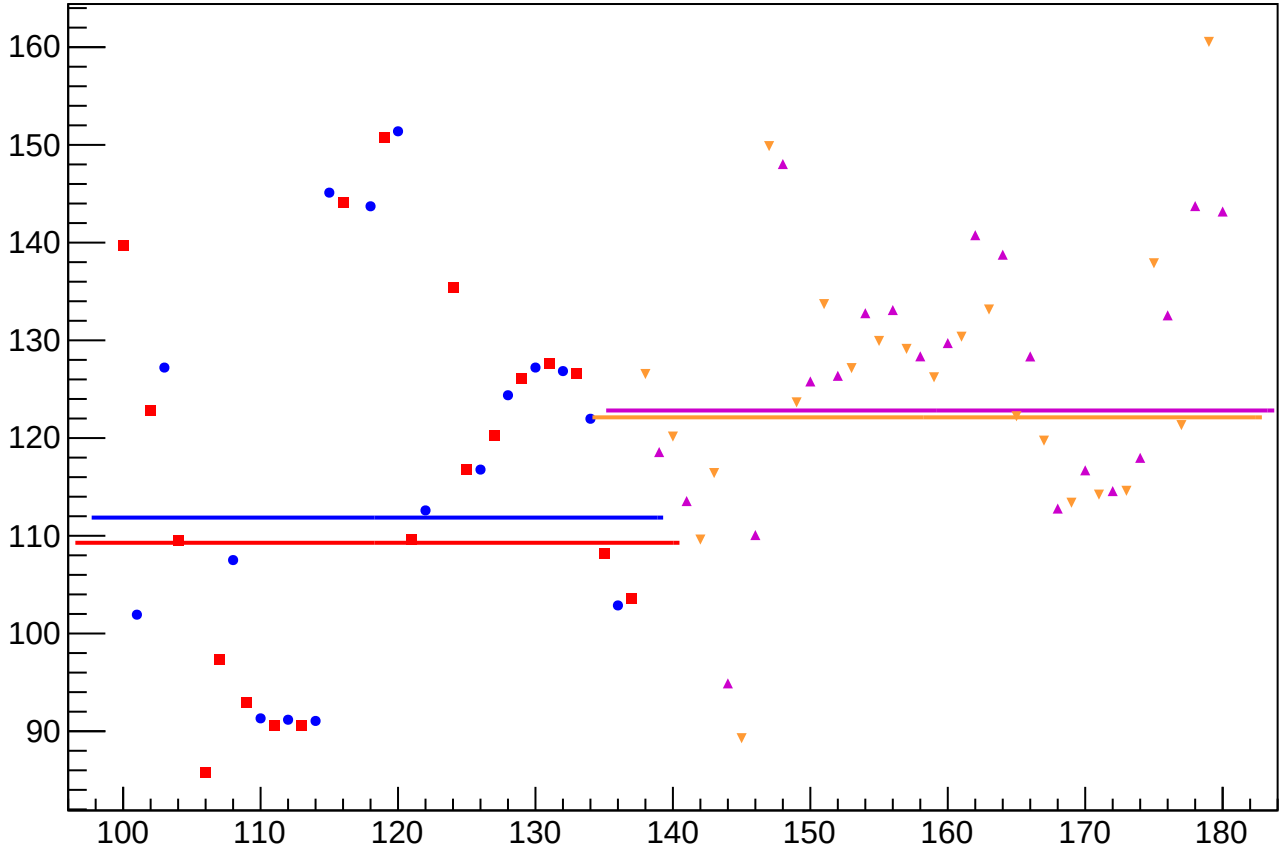
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 198.581+/-24.346 χ^2/NDF:52.9/36

Out: 236.726+/-23.861 χ^2/NDF:35.7/40

All: 218.038+/-17.041 χ^2/NDF: 89.9/77

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

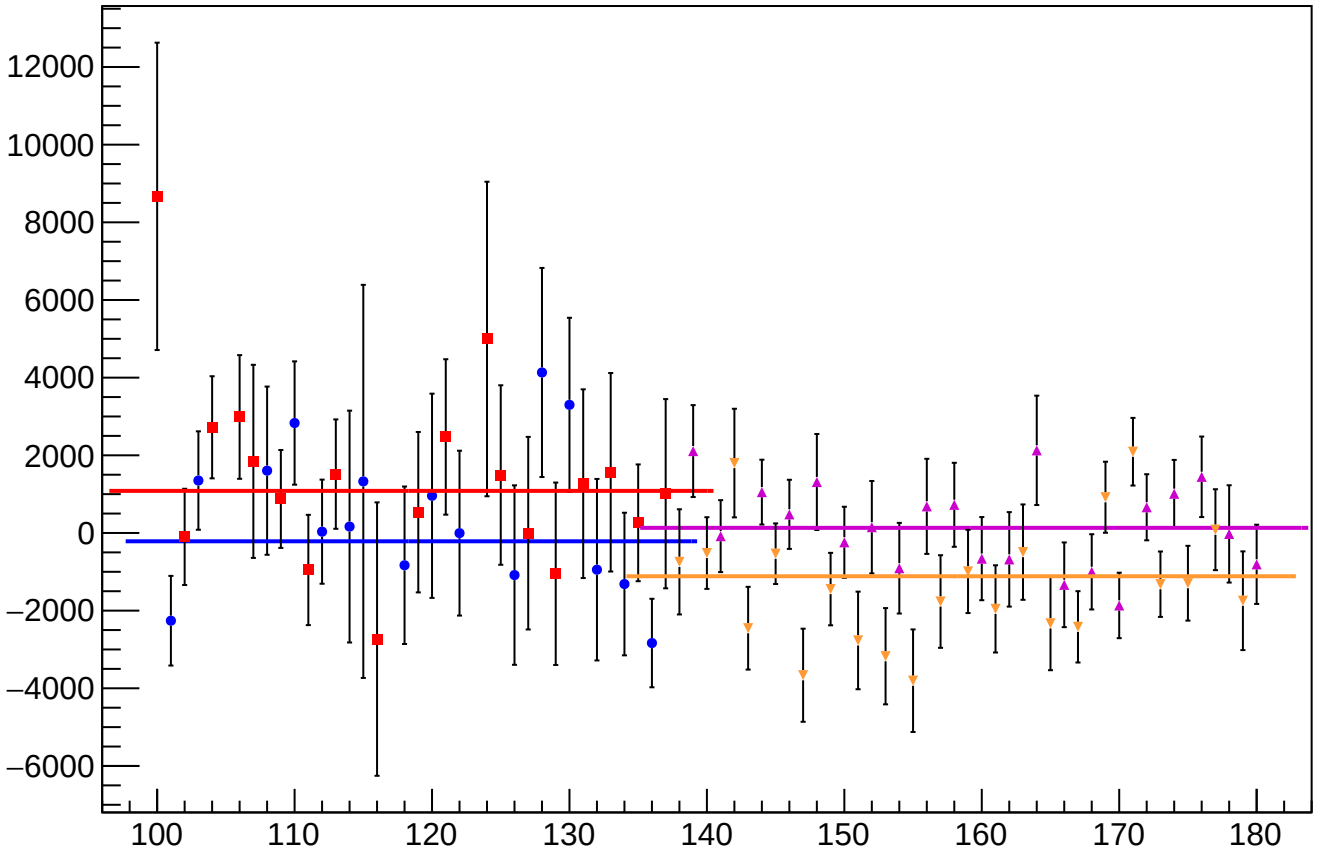
Left: 122.467+/-0.015 χ^2/NDF: 898208.8/42

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.162+/-0.017 χ^2/NDF:816131.1/36

Out: 117.704+/-0.017 χ^2/NDF:979031.2/40

All: 118.419+/-0.012 χ^2/NDF: 1798823.1/77



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1114.797+/-224.167 χ^2/NDF:44.6/21

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 132.002+/-223.713 χ^2/NDF:22.3/20

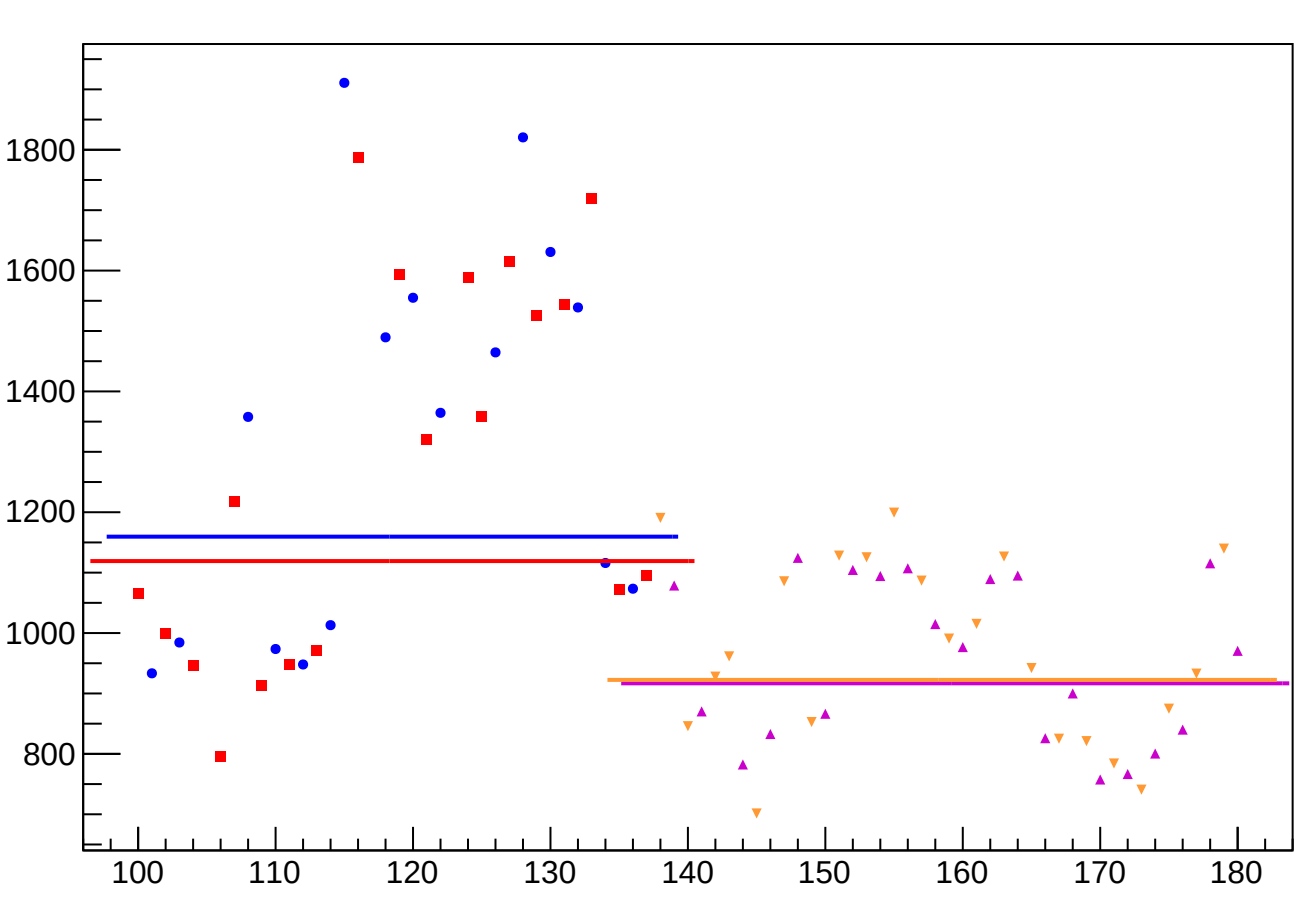
Left: -490.133+/-158.349 χ^2/NDF: 82.3/42

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 61.881+/-199.783 χ^2/NDF:43.2/36

Out: -634.068+/-198.152 χ^2/NDF:79.5/40

All: -288.945+/-140.688 χ^2/NDF: 128.8/77



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

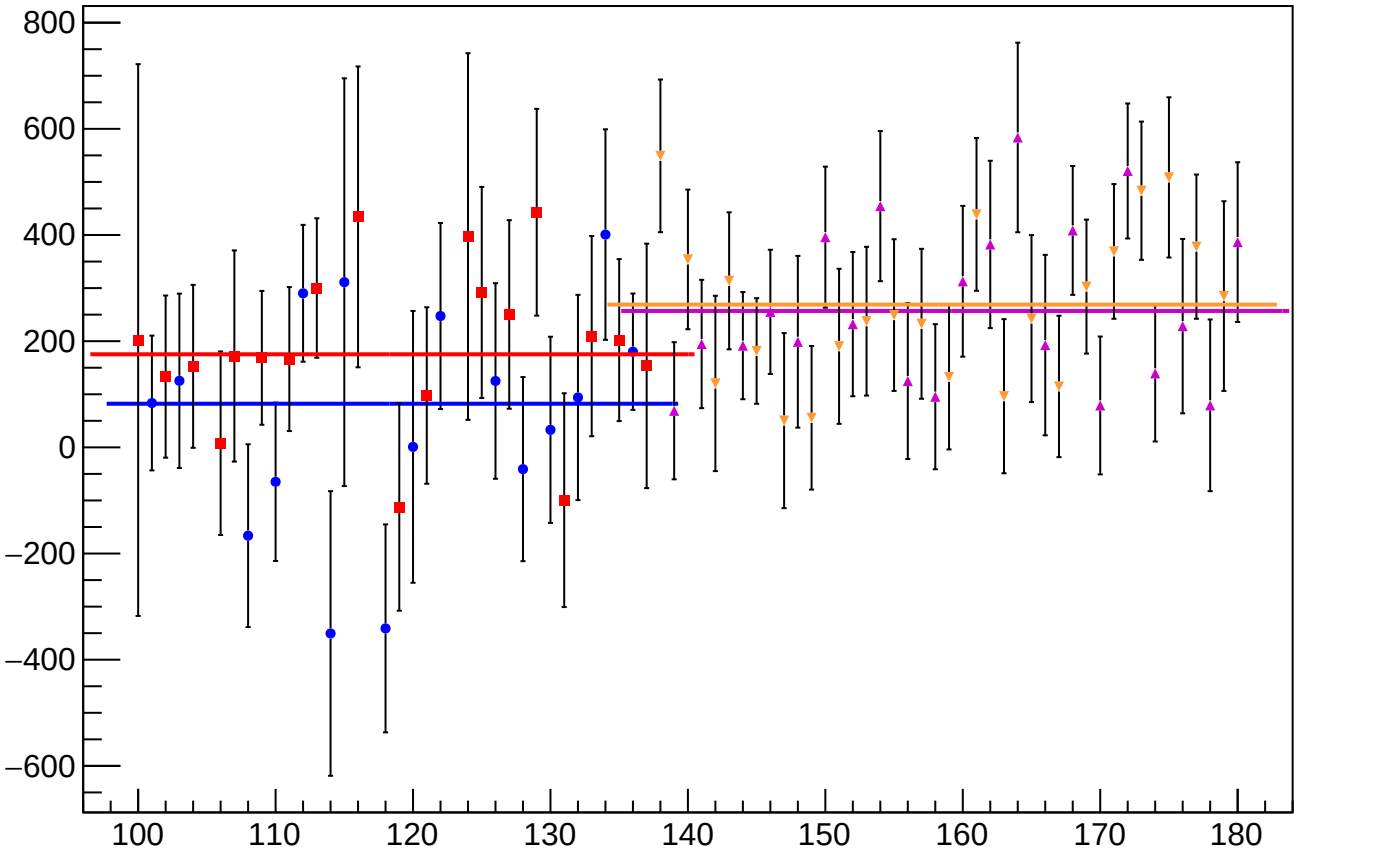
Left: 919.605+/-0.112 χ^2/NDF: 1533759.3/42

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.932+/-0.141 χ^2/NDF:1825296.3/36

Out: 965.464+/-0.140 χ^2/NDF:2008404.3/40

All: 965.696+/-0.099 χ^2/NDF: 3833706.2/77



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 256.927+/-29.830 χ^2/NDF:23.1/20

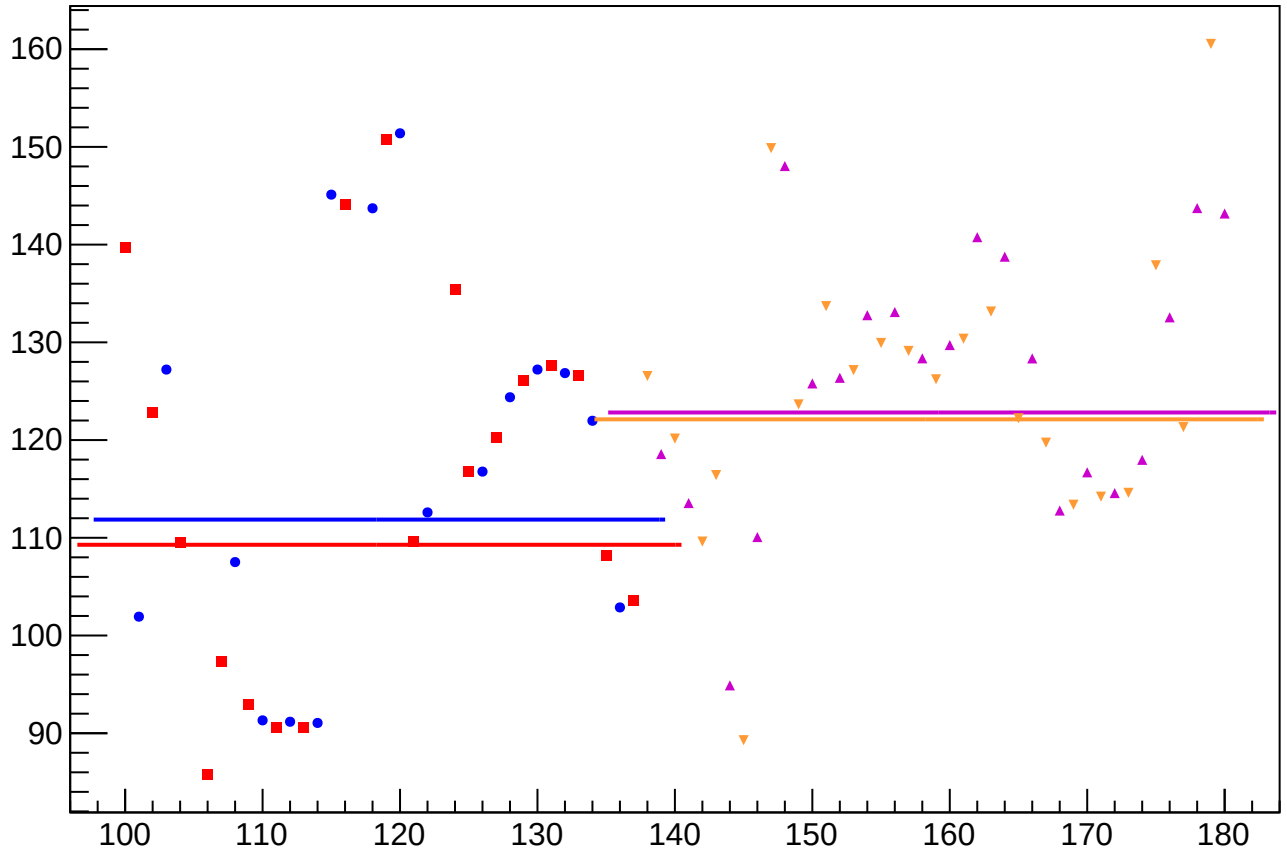
Left: 263.001+/-20.961 χ^2/NDF: 45.5/42

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 198.581+/-24.346 χ^2/NDF:52.9/36

Out: 236.726+/-23.861 χ^2/NDF:35.7/40

All: 218.038+/-17.041 χ^2/NDF: 89.9/77



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.822+/-0.021 χ^2/NDF:419963.4/20

Left: 122.467+/-0.015 χ^2/NDF: 898208.8/42

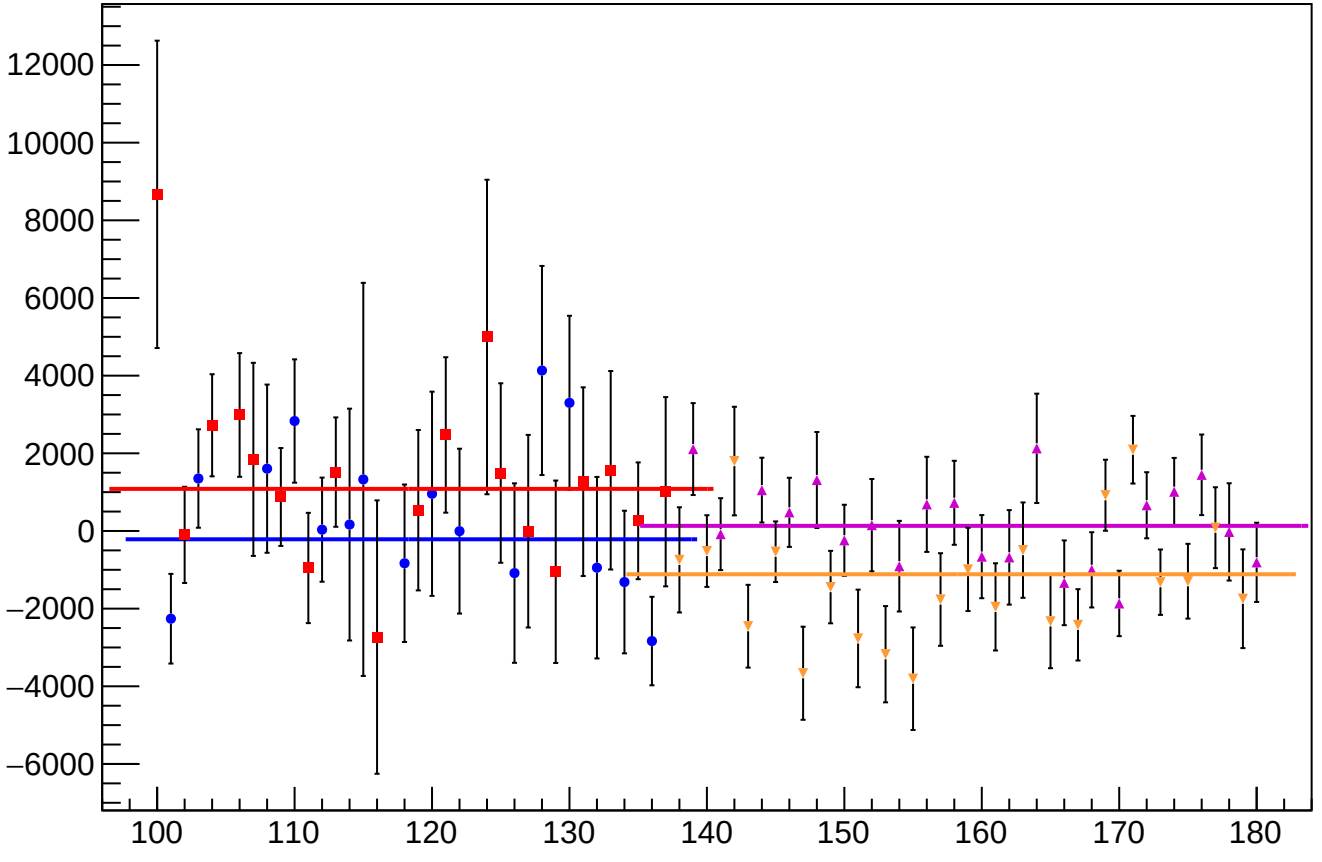
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 119.162+/-0.017 χ^2/NDF:816131.1/36

Out: 117.704+/-0.017 χ^2/NDF:979031.2/40

All: 118.419+/-0.012 χ^2/NDF: 1798823.1/77

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: -1114.797+/-224.167 χ^2/NDF:44.6/21

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 132.002+/-223.713 χ^2/NDF:22.3/20

Left: -490.133+/-158.349 χ^2/NDF: 82.3/42

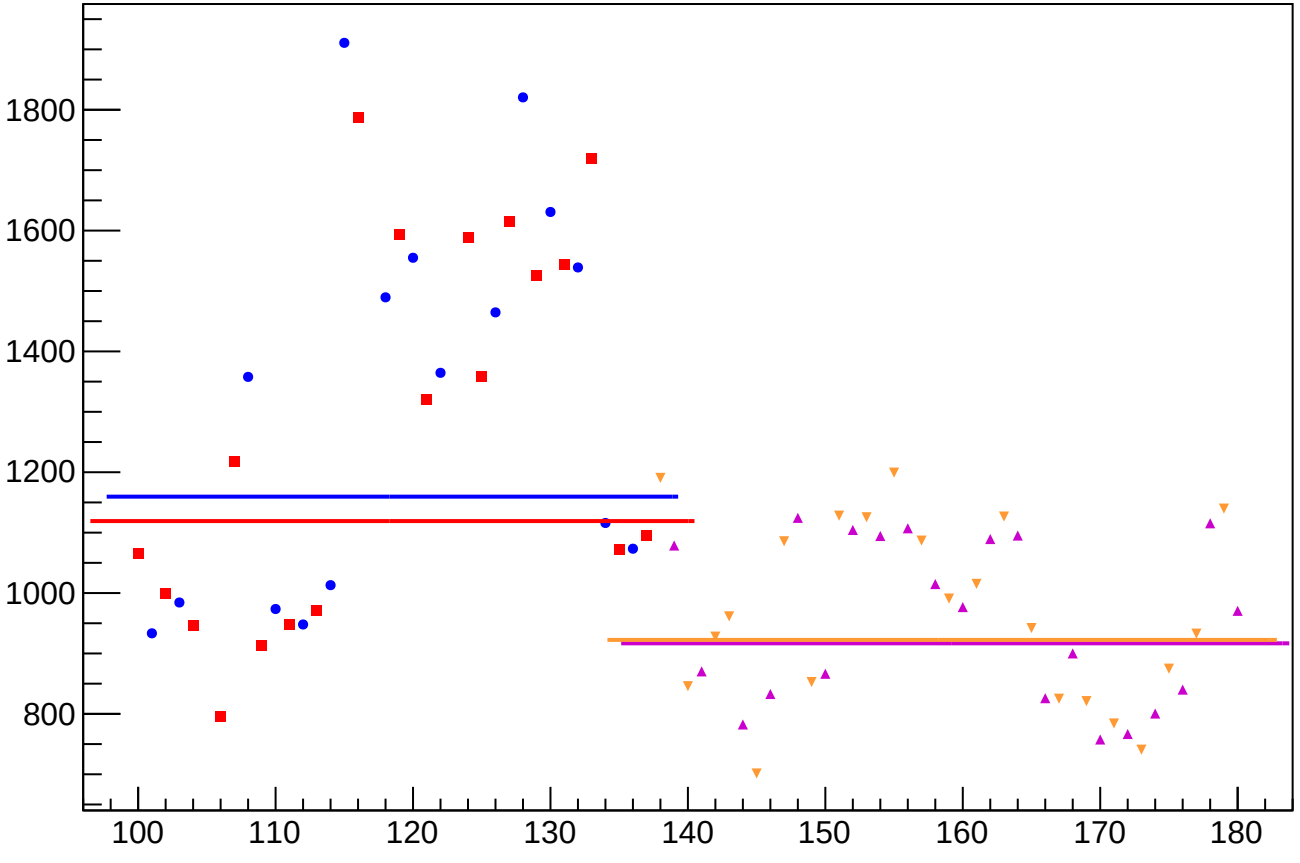
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 61.881+/-199.783 χ^2/NDF:43.2/36

Out: -634.068+/-198.152 χ^2/NDF:79.5/40

All: -288.945+/-140.688 χ^2/NDF: 128.8/77

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: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 916.763+/-0.158 χ^2/NDF:664534.1/20

Left: 919.605+/-0.112 χ^2/NDF: 1533759.3/42

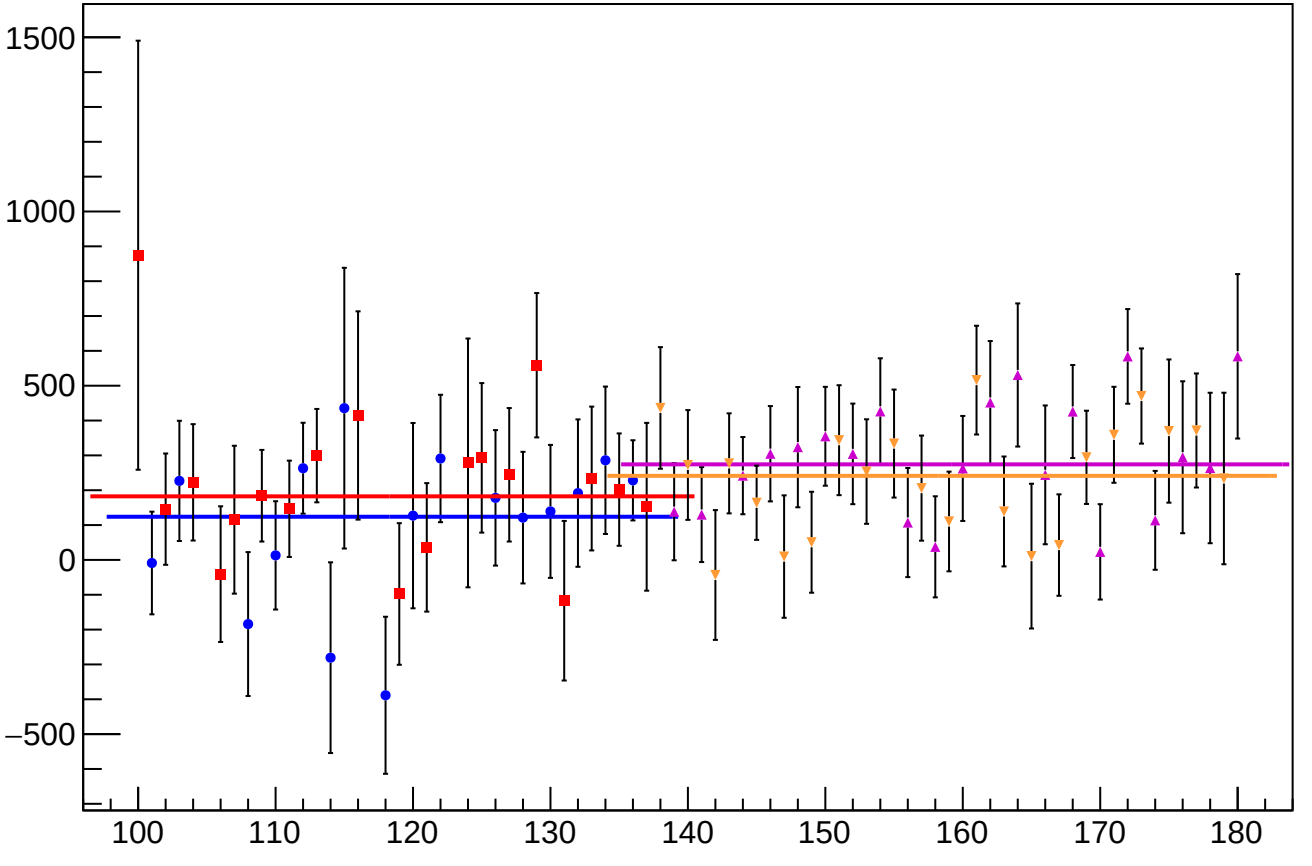
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.932+/-0.141 χ^2/NDF:1825296.3/36

Out: 965.464+/-0.140 χ^2/NDF:2008404.3/40

All: 965.696+/-0.099 χ^2/NDF: 3833706.2/77

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.321+/-32.808 χ^2/NDF:20.7/21

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 274.270+/-33.303 χ^2/NDF:22.9/20

Left: 257.549+/-23.372 χ^2/NDF: 44.1/42

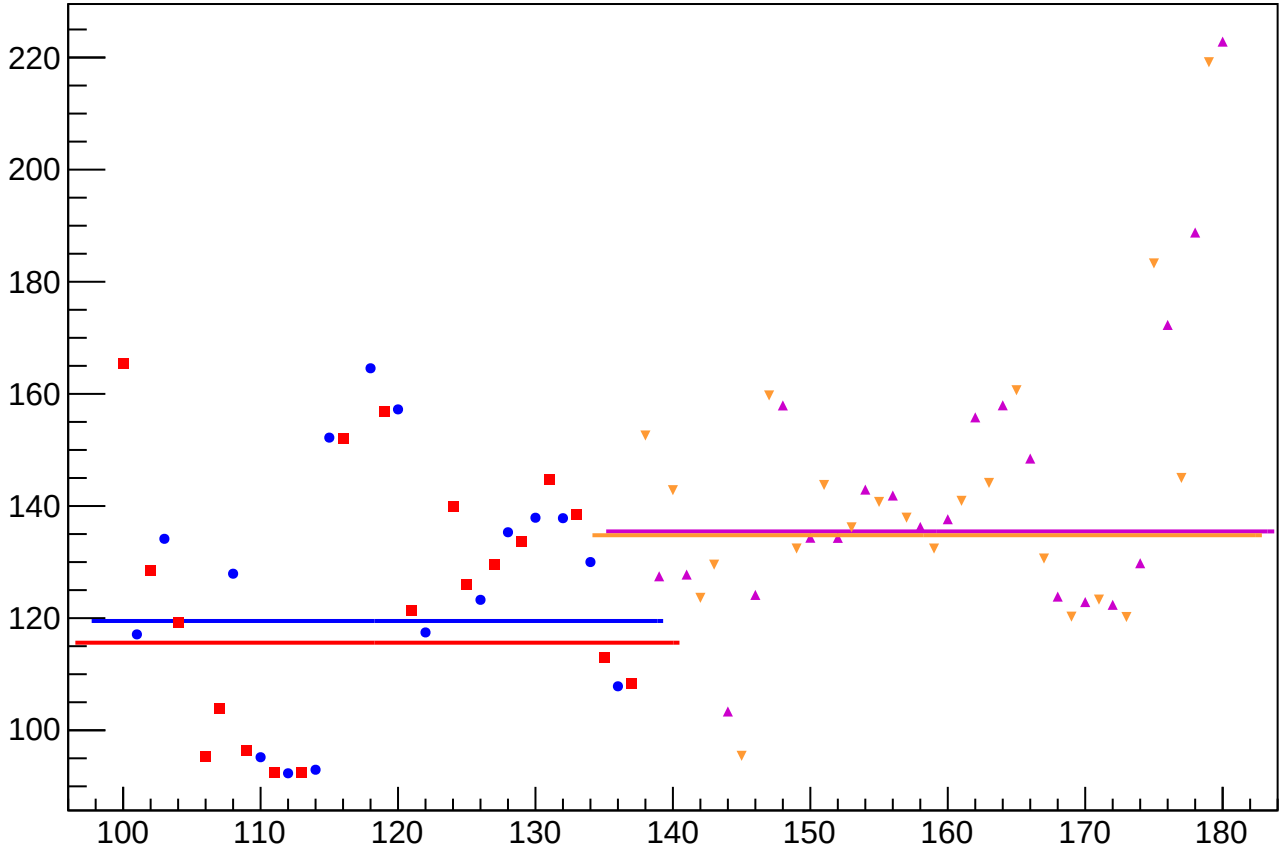
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 221.417+/-26.819 χ^2/NDF:45.5/36

Out: 219.808+/-26.133 χ^2/NDF:34.2/40

All: 220.592+/-18.717 χ^2/NDF: 79.7/77

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 134.788+/-0.023 χ^2/NDF:817836.9/21

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 135.469+/-0.024 χ^2/NDF:803588.6/20

Left: 135.124+/-0.017 χ^2/NDF: 1621850.0/42

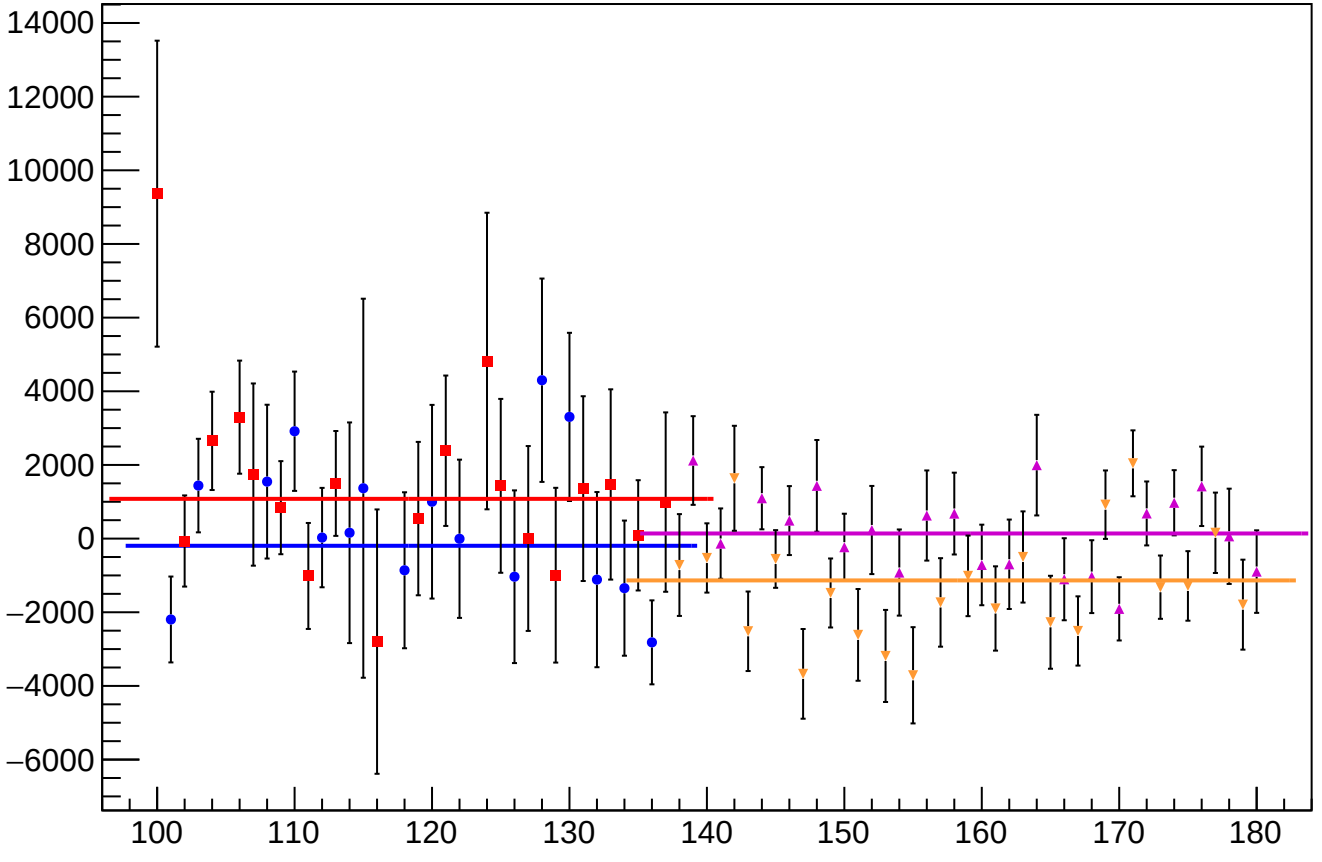
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 129.855+/-0.019 χ^2/NDF:1345582.4/36

Out: 127.782+/-0.018 χ^2/NDF:1494299.8/40

All: 128.792+/-0.013 χ^2/NDF: 2846008.4/77

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.447+/-226.956 χ^2/NDF:42.1/21

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 139.154+/-228.288 χ^2/NDF:21.5/20

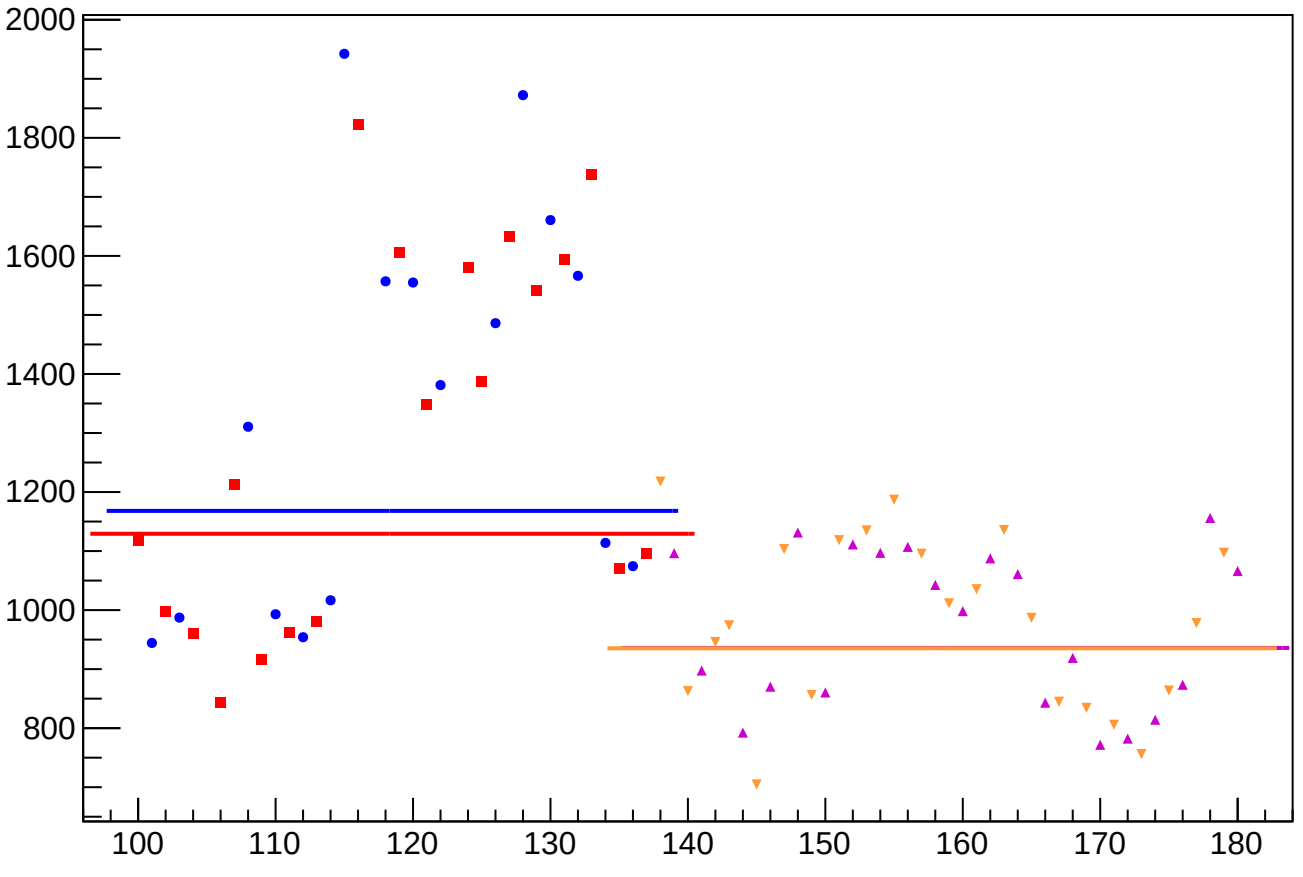
Left: -501.876+/-160.951 χ^2/NDF: 79.3/42

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 70.092+/-203.340 χ^2/NDF:42.3/36

Out: -645.693+/-200.298 χ^2/NDF:77.8/40

All: -293.195+/-142.695 χ^2/NDF: 126.4/77



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 935.278+/-0.160 χ^2/NDF:829405.5/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 935.849+/-0.161 χ^2/NDF:642100.7/20

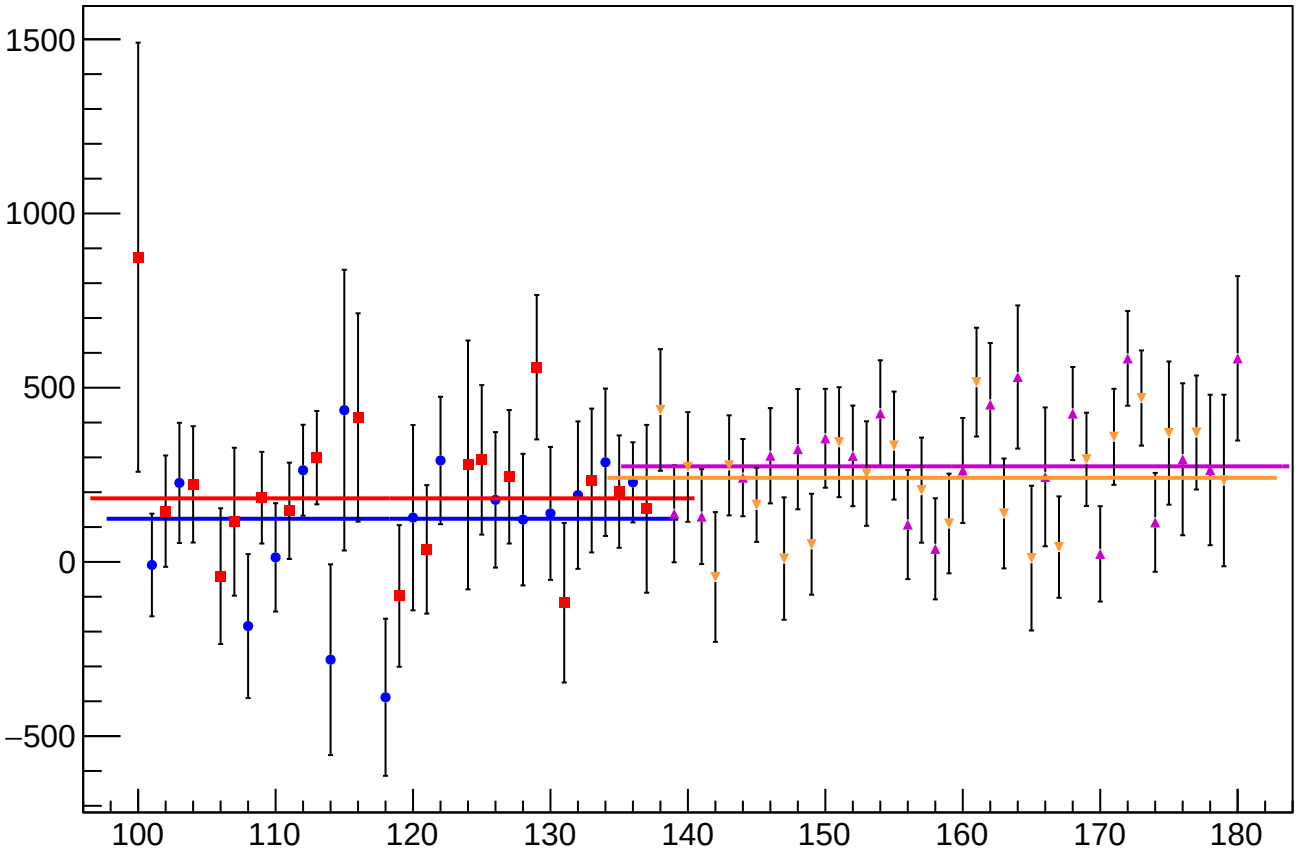
Left: 935.562+/-0.114 χ^2/NDF: 1471512.5/42

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 983.831+/-0.144 χ^2/NDF:1779046.3/36

Out: 978.185+/-0.142 χ^2/NDF:1959891.0/40

All: 980.965+/-0.101 χ^2/NDF: 3739719.9/77



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.324+/-32.808 χ^2/NDF:20.7/21

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 274.271+/-33.303 χ^2/NDF:22.9/20

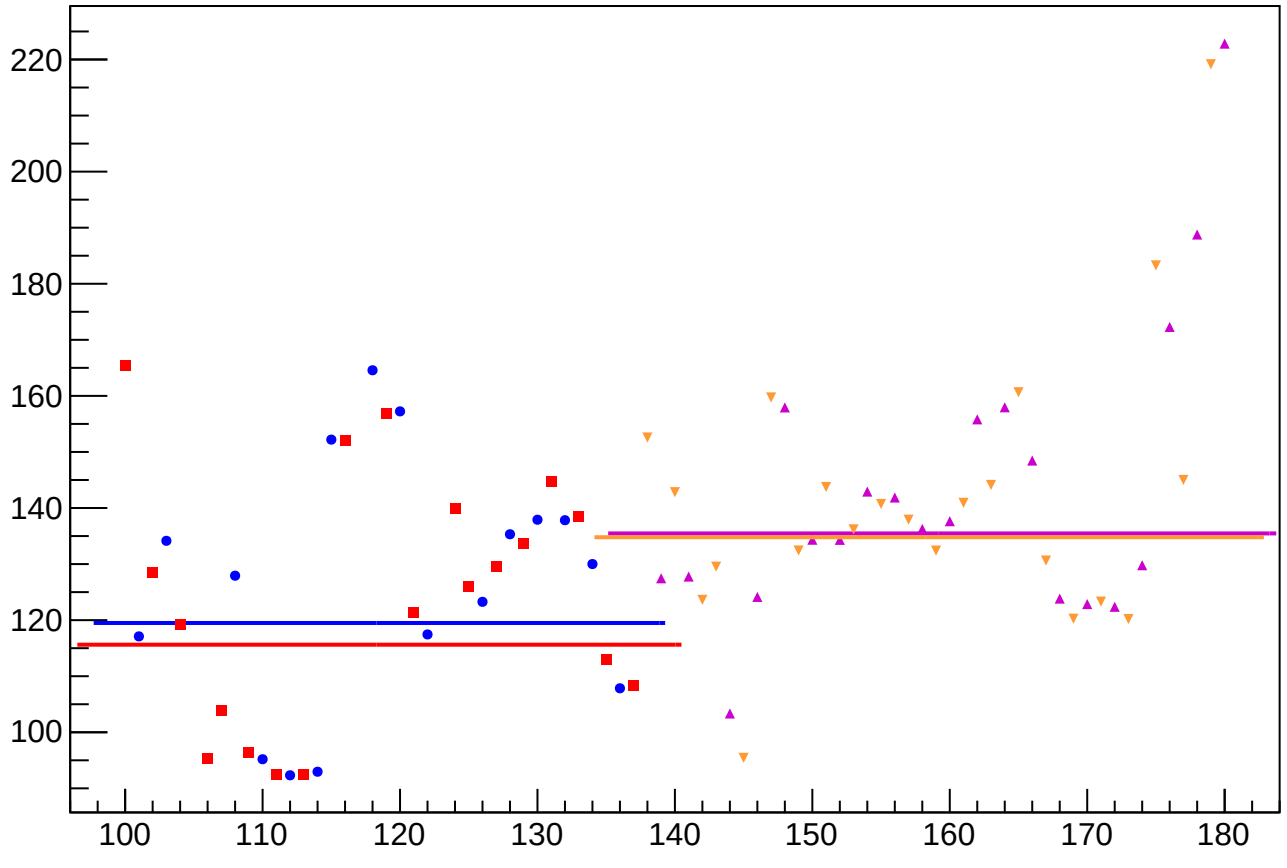
Left: 257.551+/-23.372 χ^2/NDF: 44.1/42

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 221.419+/-26.819 χ^2/NDF:45.5/36

Out: 219.810+/-26.133 χ^2/NDF:34.2/40

All: 220.594+/-18.717 χ^2/NDF: 79.7/77



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 134.788+/-0.023 χ^2/NDF:817842.0/21

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 135.469+/-0.024 χ^2/NDF:803572.9/20

Left: 135.124+/-0.017 χ^2/NDF: 1621839.4/42

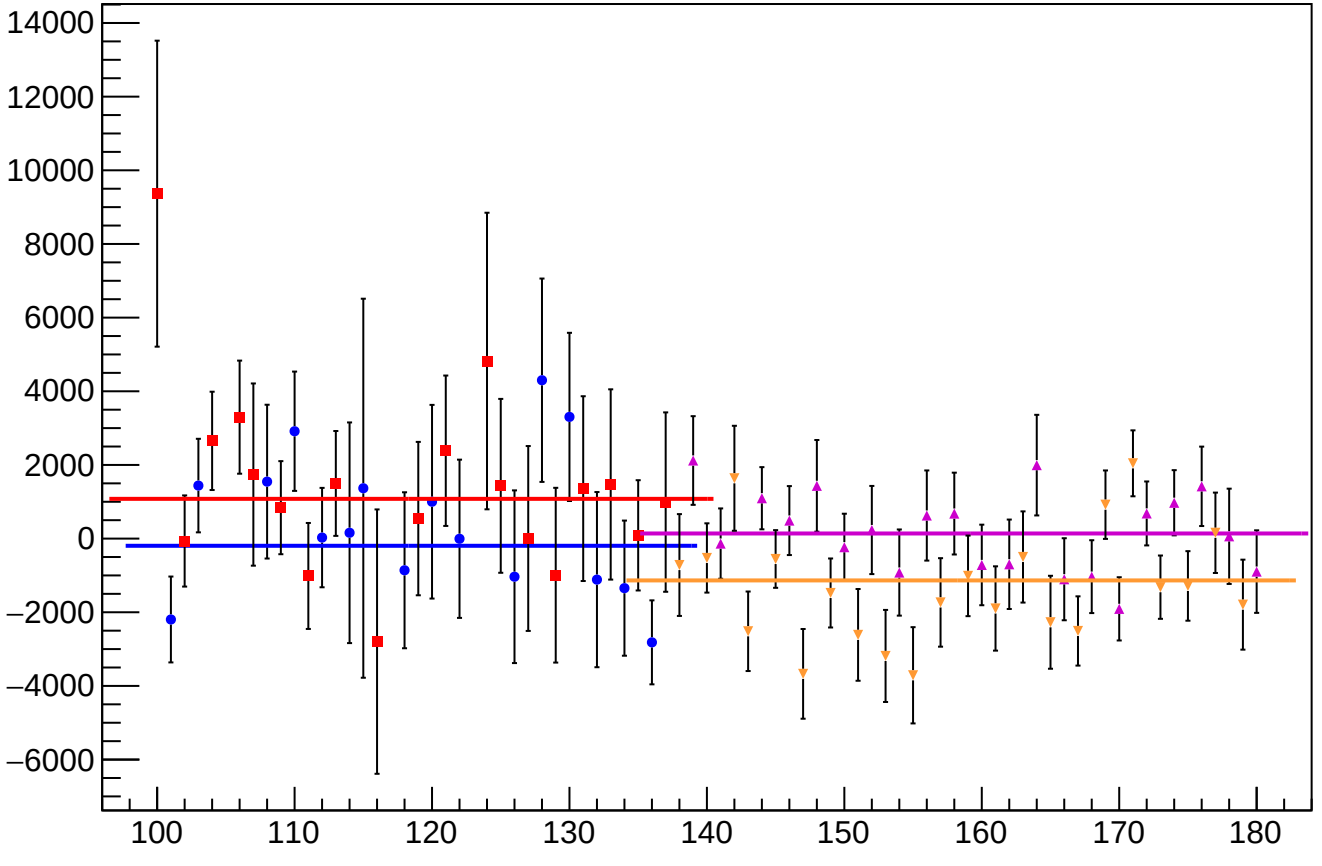
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 129.855+/-0.019 χ^2/NDF:1345569.5/36

Out: 127.782+/-0.018 χ^2/NDF:1494310.9/40

All: 128.792+/-0.013 χ^2/NDF: 2846006.7/77

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: -1135.445+/-226.956 χ^2/NDF:42.1/21

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 139.153+/-228.288 χ^2/NDF:21.5/20

Left: -501.875+/-160.951 χ^2/NDF: 79.3/42

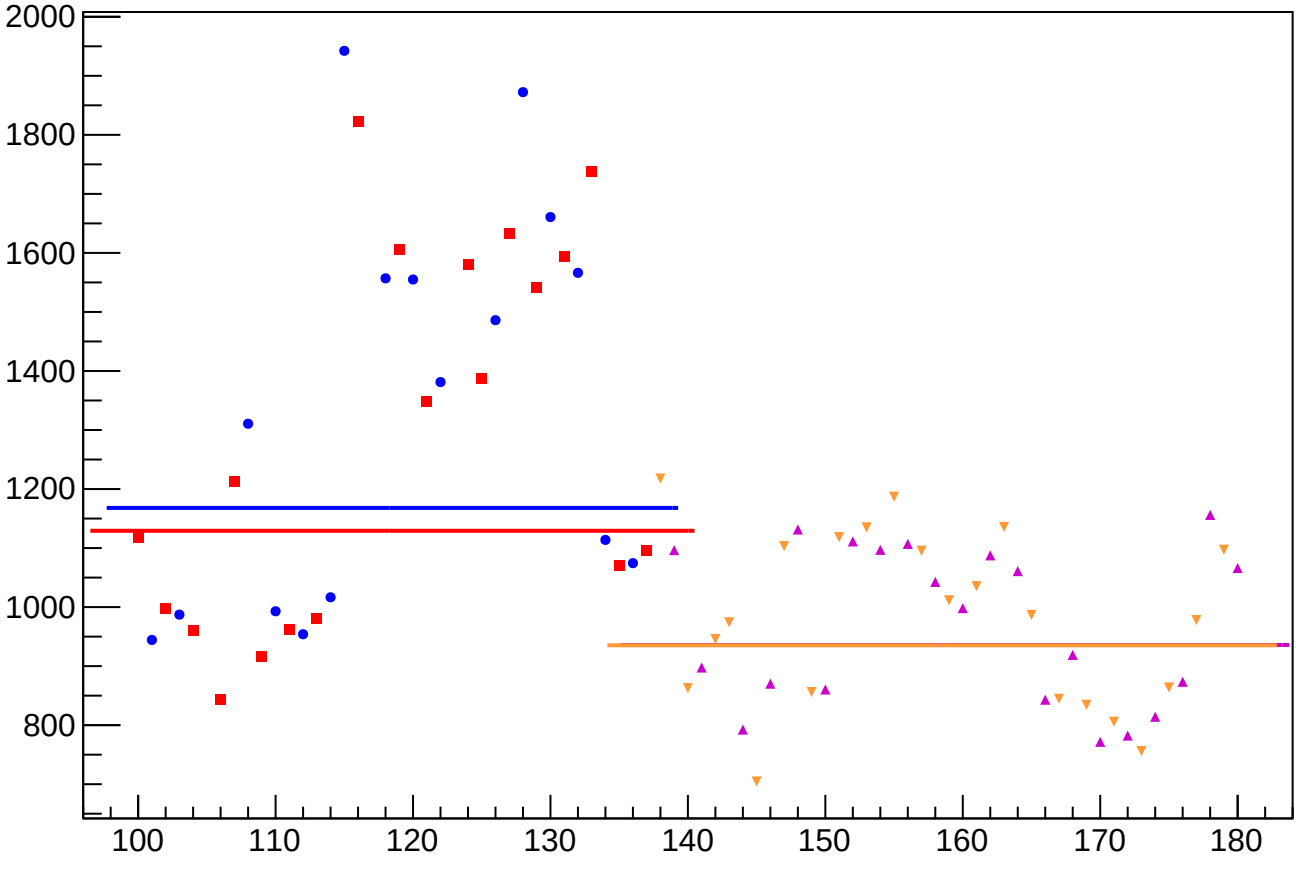
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 70.091+/-203.340 χ^2/NDF:42.3/36

Out: -645.692+/-200.298 χ^2/NDF:77.8/40

All: -293.195+/-142.695 χ^2/NDF: 126.4/77

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: 935.277+/-0.160 χ^2/NDF:829408.1/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 935.848+/-0.161 χ^2/NDF:642099.1/20

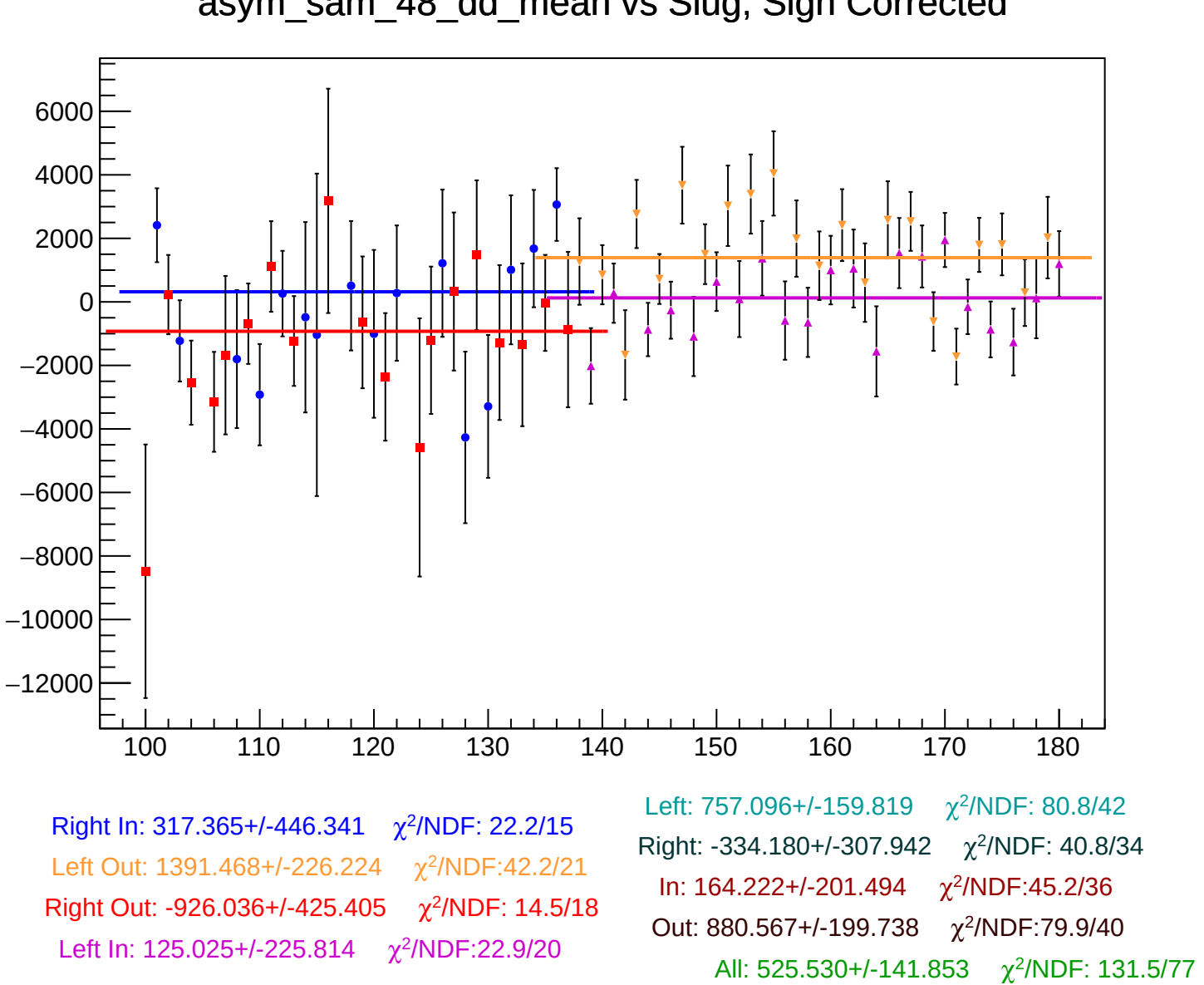
Left: 935.561+/-0.114 χ^2/NDF: 1471513.5/42

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

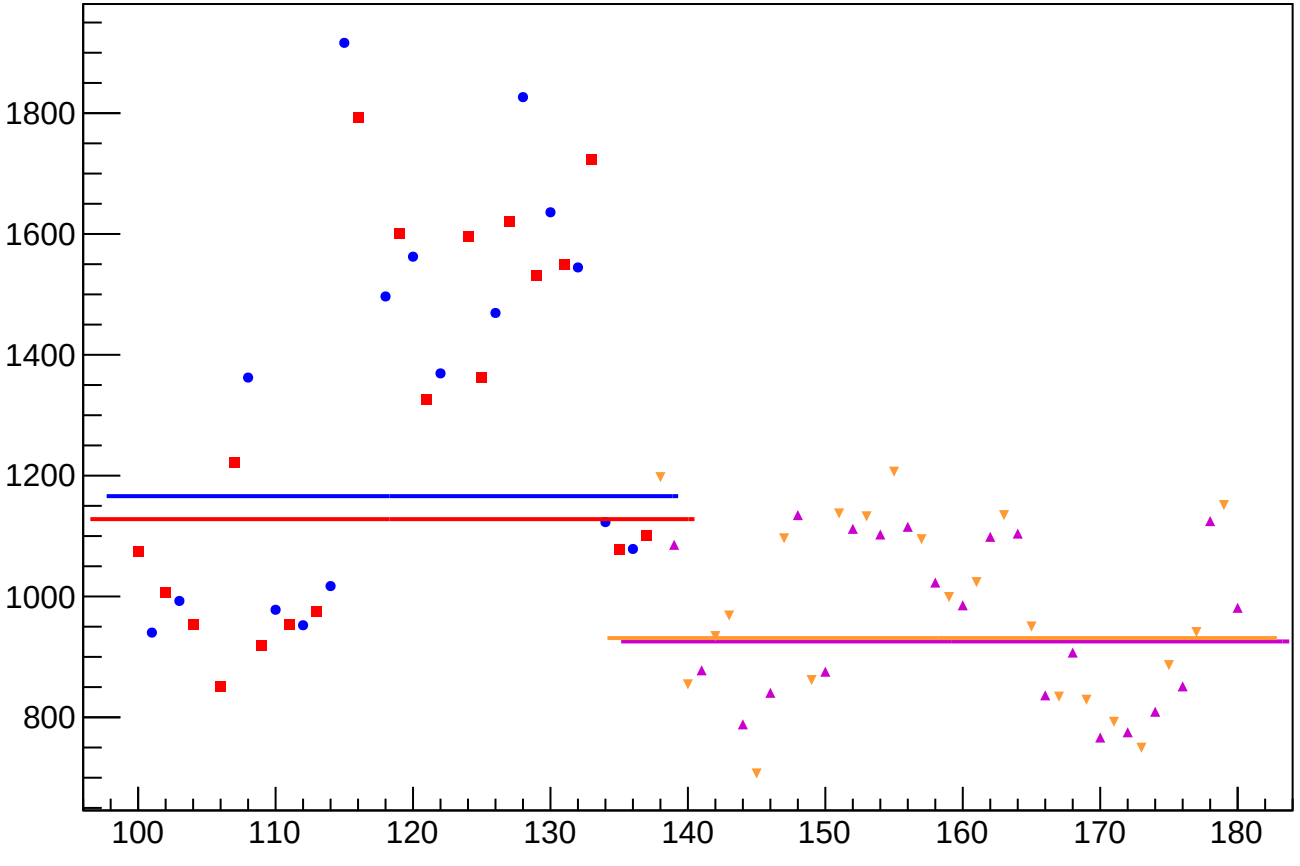
In: 983.830+/-0.144 χ^2/NDF:1779050.2/36

Out: 978.184+/-0.142 χ^2/NDF:1959897.9/40

All: 980.964+/-0.101 χ^2/NDF: 3739730.6/77


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1391.468+/-226.224 χ²/NDF:42.2/21
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 125.025+/-225.814 χ²/NDF:22.9/20
Left: 757.096+/-159.819 χ²/NDF: 80.8/42
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 164.222+/-201.494 χ²/NDF:45.2/36
Out: 880.567+/-199.738 χ²/NDF:79.9/40
All: 525.530+/-141.853 χ²/NDF: 131.5/77

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 931.160+/-0.160 χ^2/NDF:856733.0/21

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 925.564+/-0.160 χ^2/NDF:654116.4/20

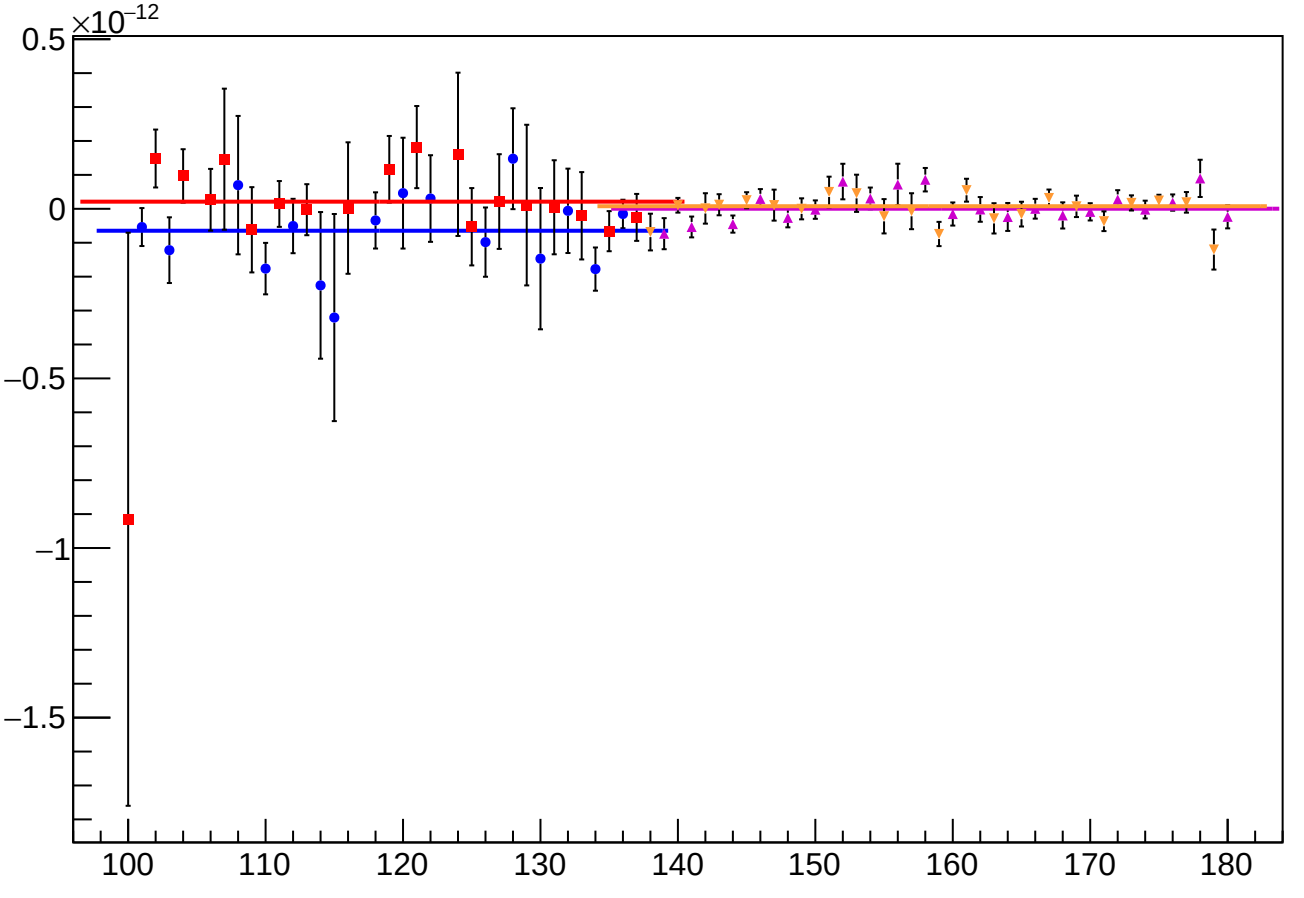
Left: 928.357+/-0.113 χ^2/NDF: 1511462.3/42

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 974.575+/-0.142 χ^2/NDF:1793480.6/36

Out: 974.555+/-0.141 χ^2/NDF:1966329.2/40

All: 974.565+/-0.100 χ^2/NDF: 3759809.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.2/20

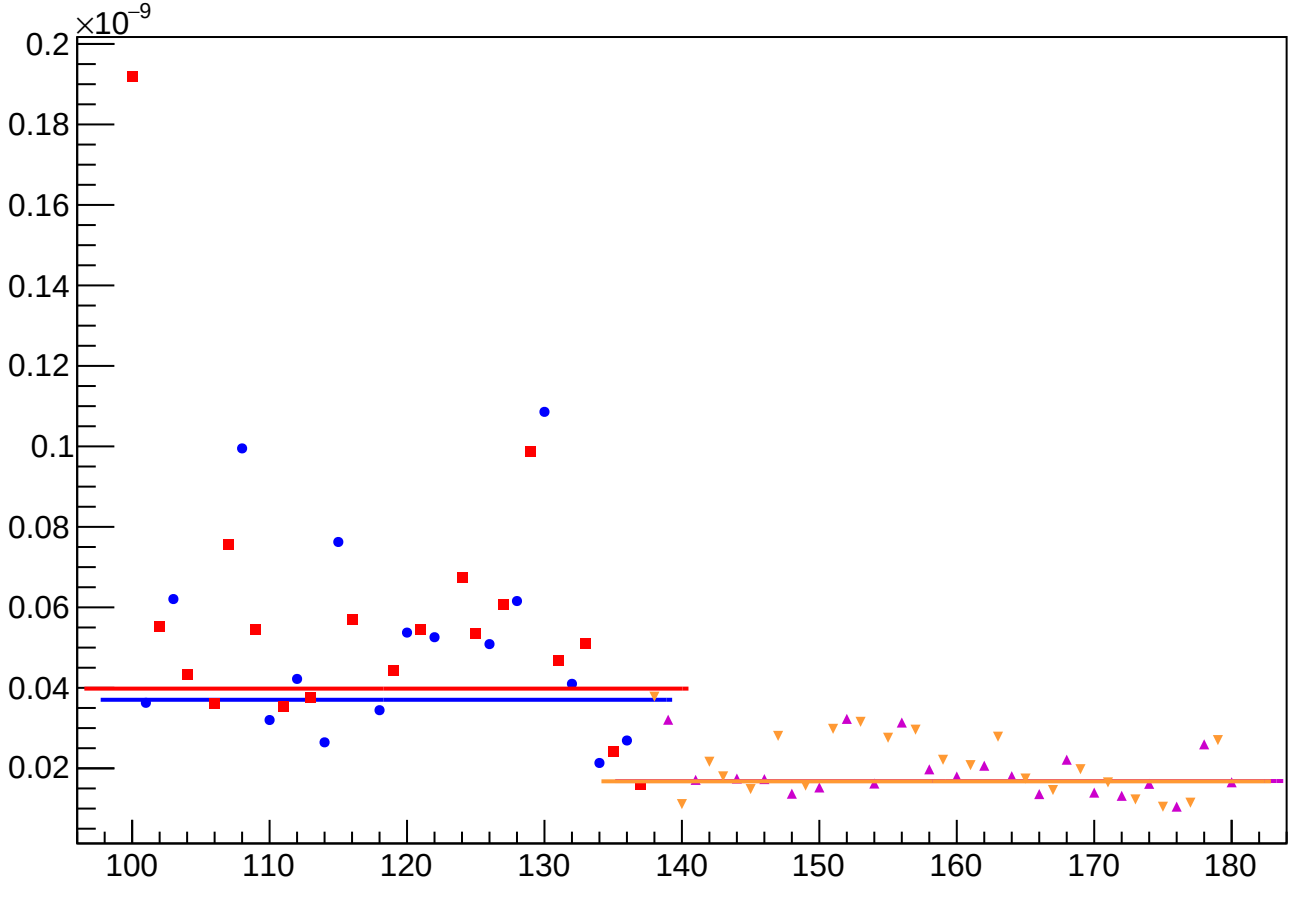
Left: 0.000+/-0.000 χ^2/NDF: 49.6/42

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:47.7/36

Out: 0.000+/-0.000 χ^2/NDF:33.7/40

All: 0.000+/-0.000 χ^2/NDF: 83.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1822500.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903897.6/20

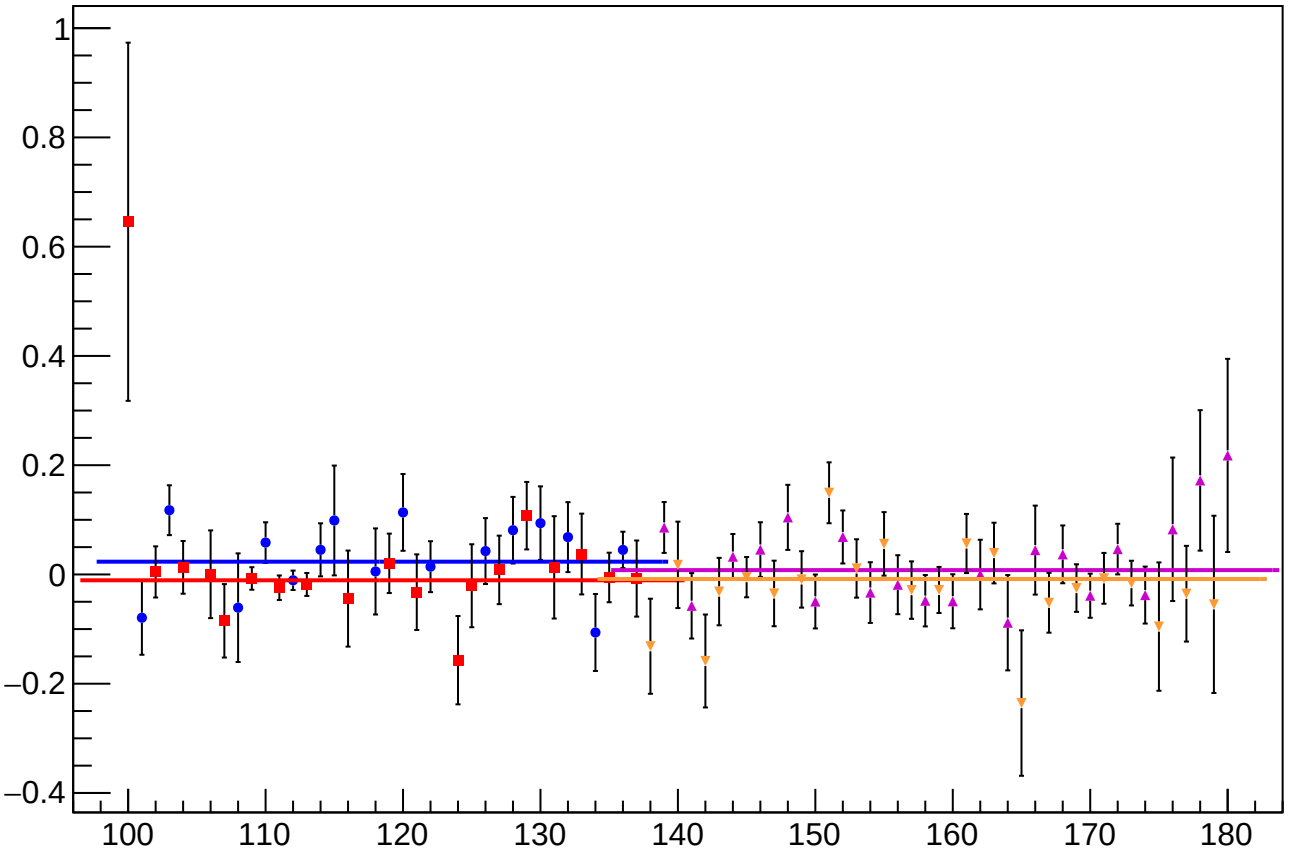
Left: 0.000+/-0.000 χ^2/NDF: 2726513.8/42

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3451694.9/36

Out: 0.000+/-0.000 χ^2/NDF:4558974.9/40

All: 0.000+/-0.000 χ^2/NDF: 8011173.7/77



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.008+/-0.012 χ^2/NDF:21.9/20

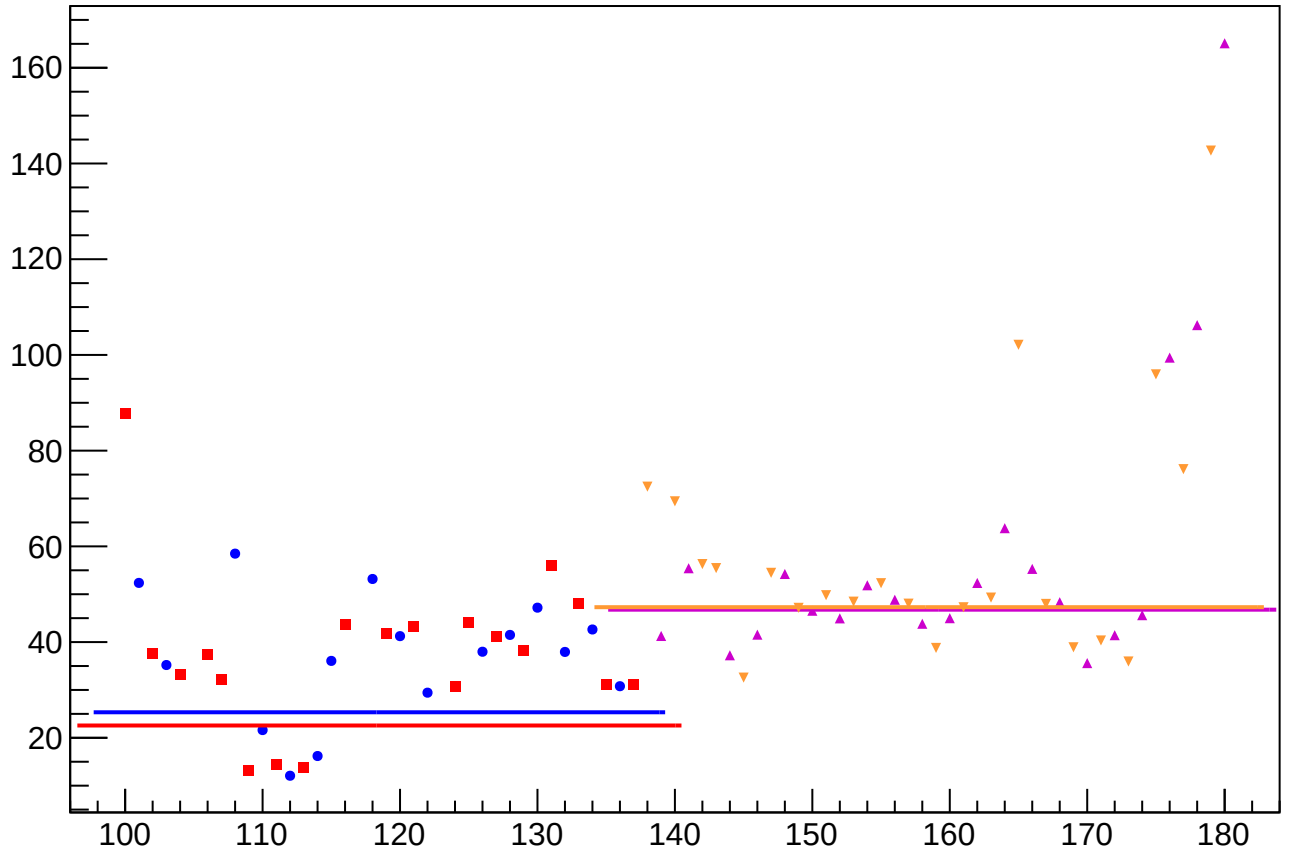
Left: -0.000+/-0.009 χ^2/NDF: 44.7/42

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:43.5/36

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 85.2/77



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

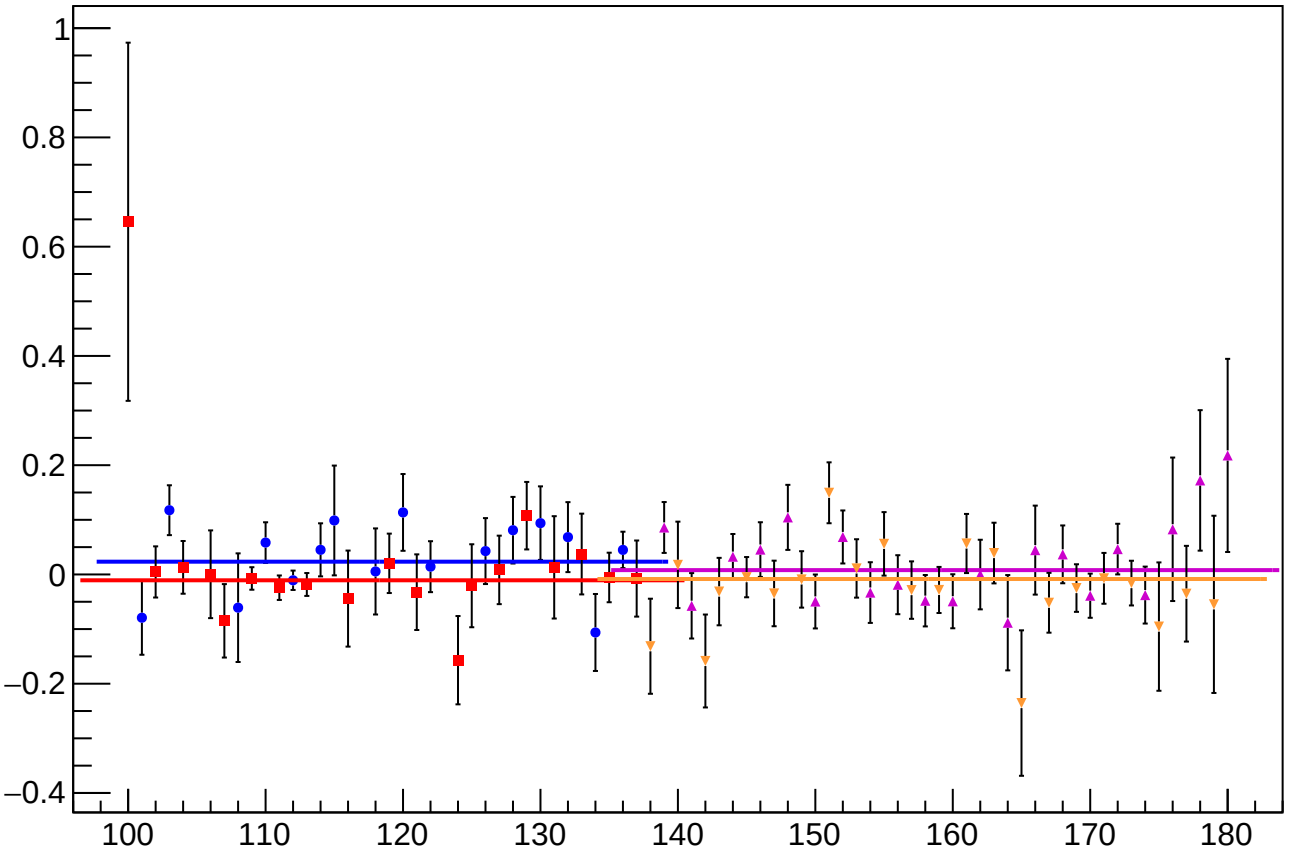
Left: 47.031+/-0.006 χ^2/NDF: 4900469.9/42

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.113+/-0.006 χ^2/NDF:8548854.1/36

Out: 32.389+/-0.005 χ^2/NDF:10888404.0/40

All: 33.655+/-0.004 χ^2/NDF: 19556408.6/77



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.008+/-0.012 χ^2/NDF:21.9/20

Left: -0.000+/-0.009 χ^2/NDF: 44.7/42

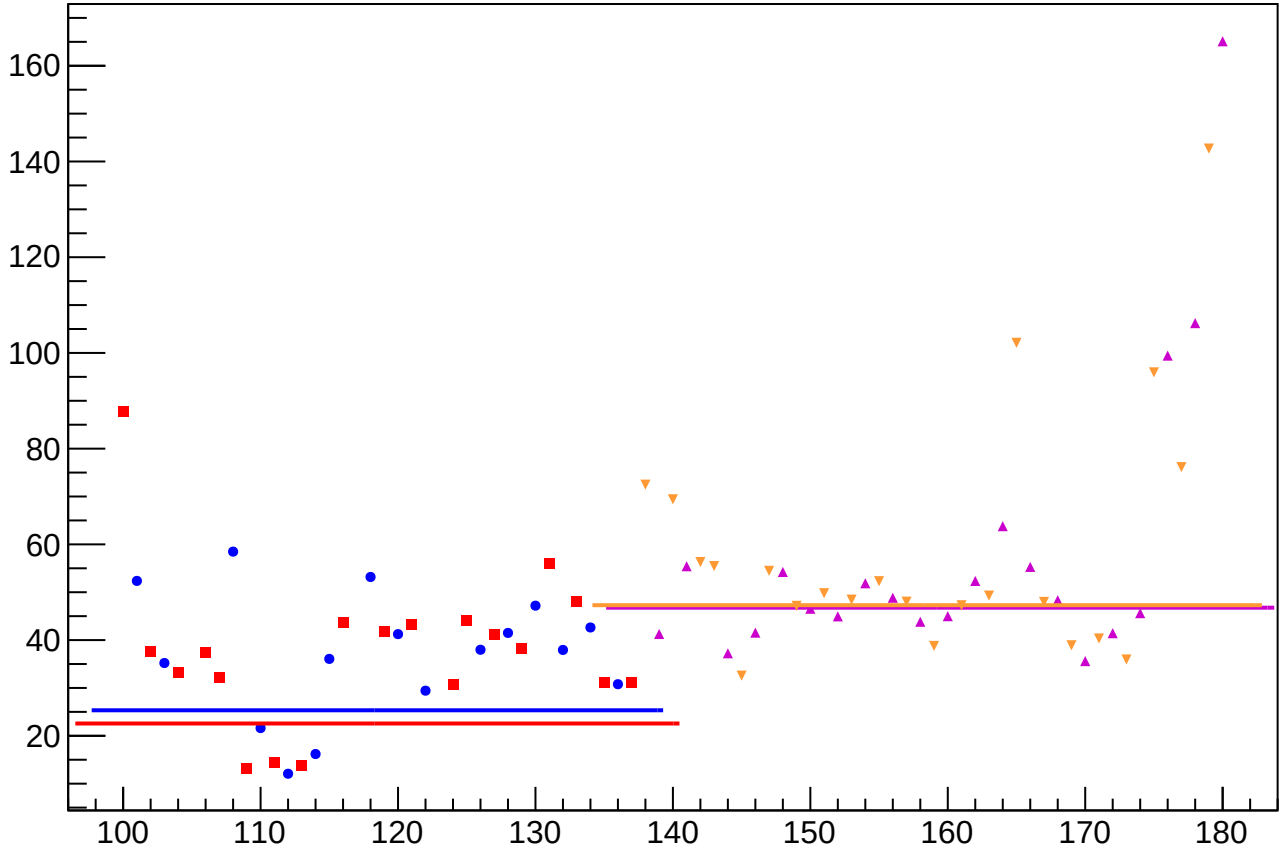
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:43.5/36

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 85.2/77

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.771+/-0.009 χ^2/NDF:2201629.2/20

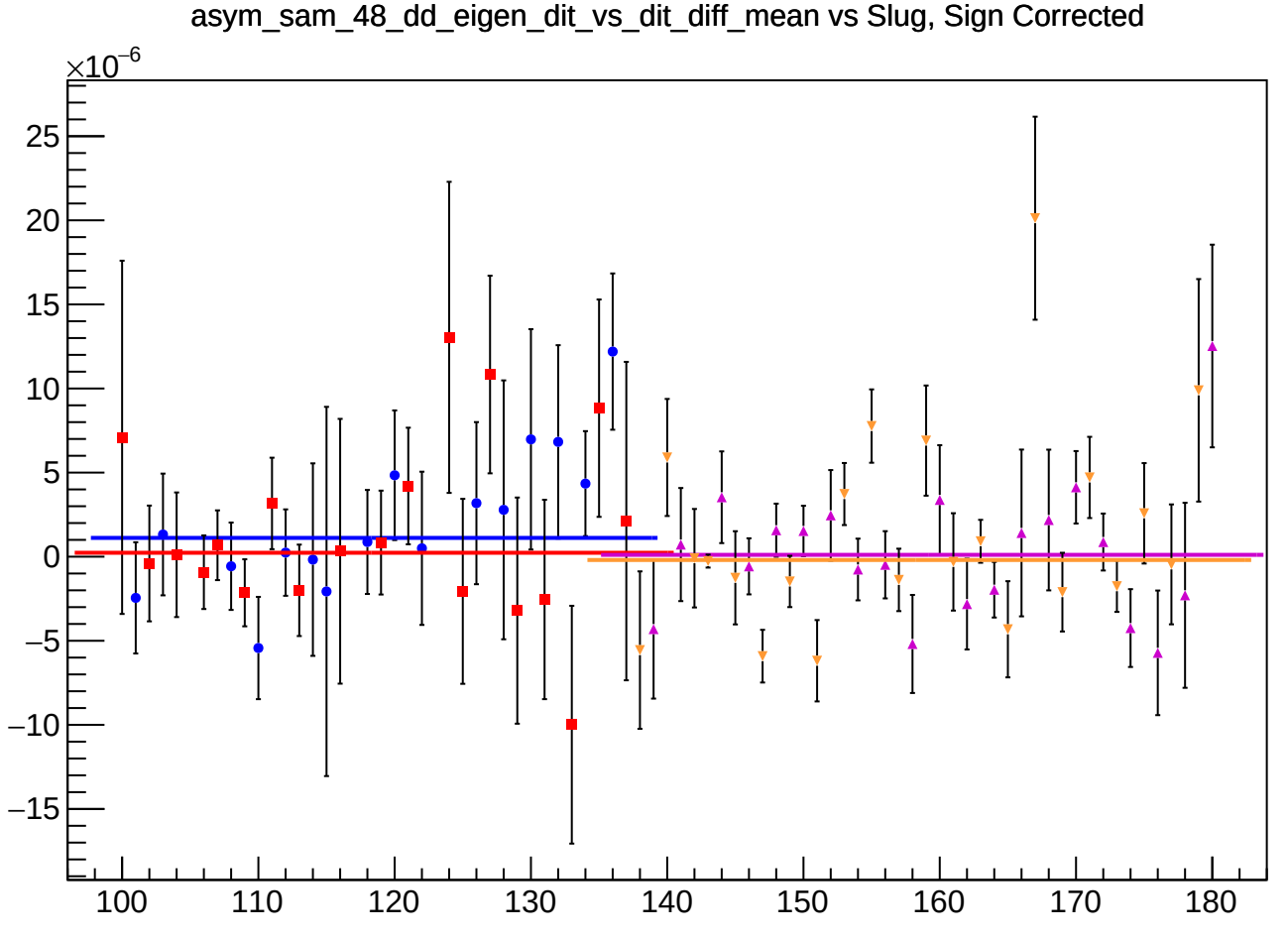
Left: 47.031+/-0.006 χ^2/NDF: 4900469.9/42

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 35.113+/-0.006 χ^2/NDF:8548854.1/36

Out: 32.389+/-0.005 χ^2/NDF:10888404.0/40

All: 33.655+/-0.004 χ^2/NDF: 19556408.6/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:70.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:27.3/20

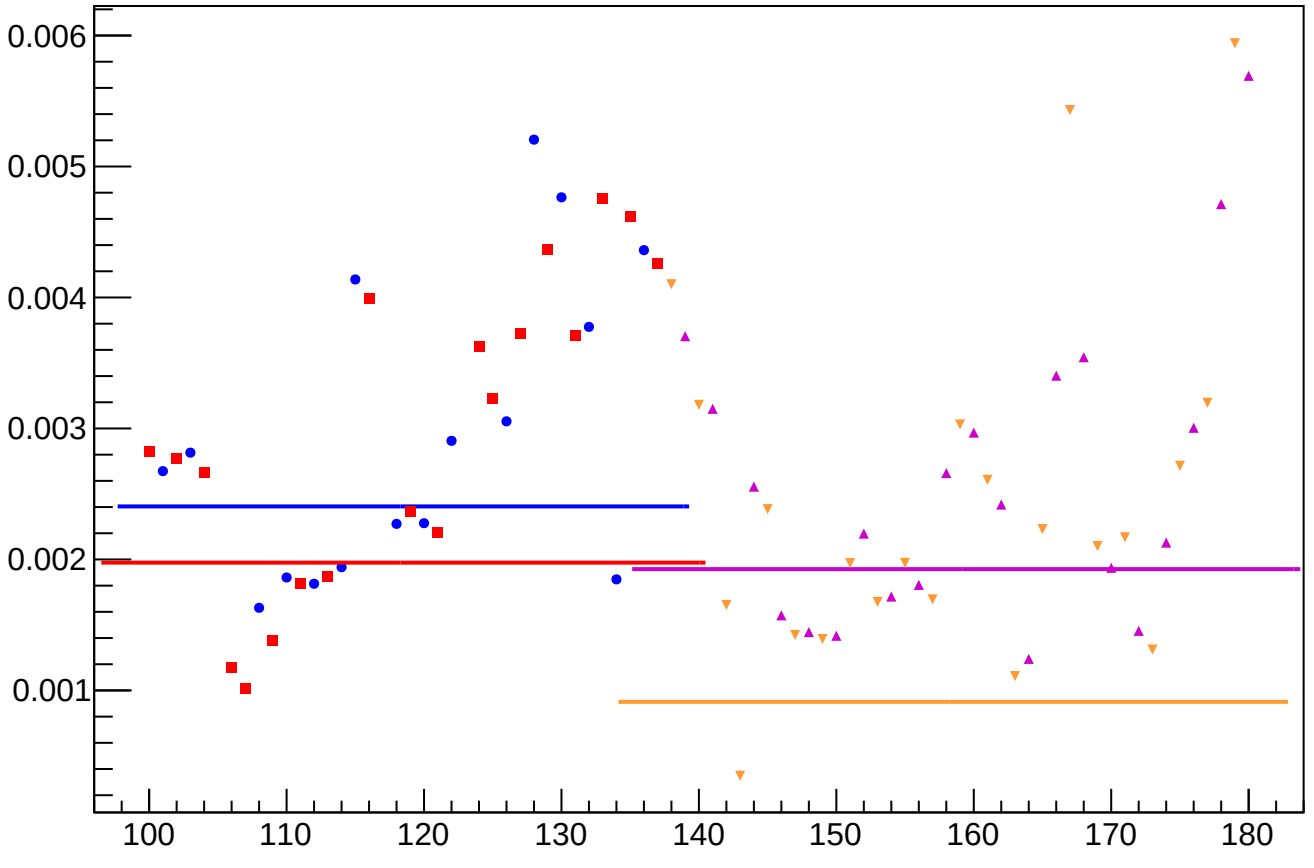
Left: -0.000+/-0.000 χ^2/NDF: 98.4/42

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:44.3/36

Out: -0.000+/-0.000 χ^2/NDF:86.3/40

All: -0.000+/-0.000 χ^2/NDF: 131.4/77



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:15721310.6/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:4155329.4/20

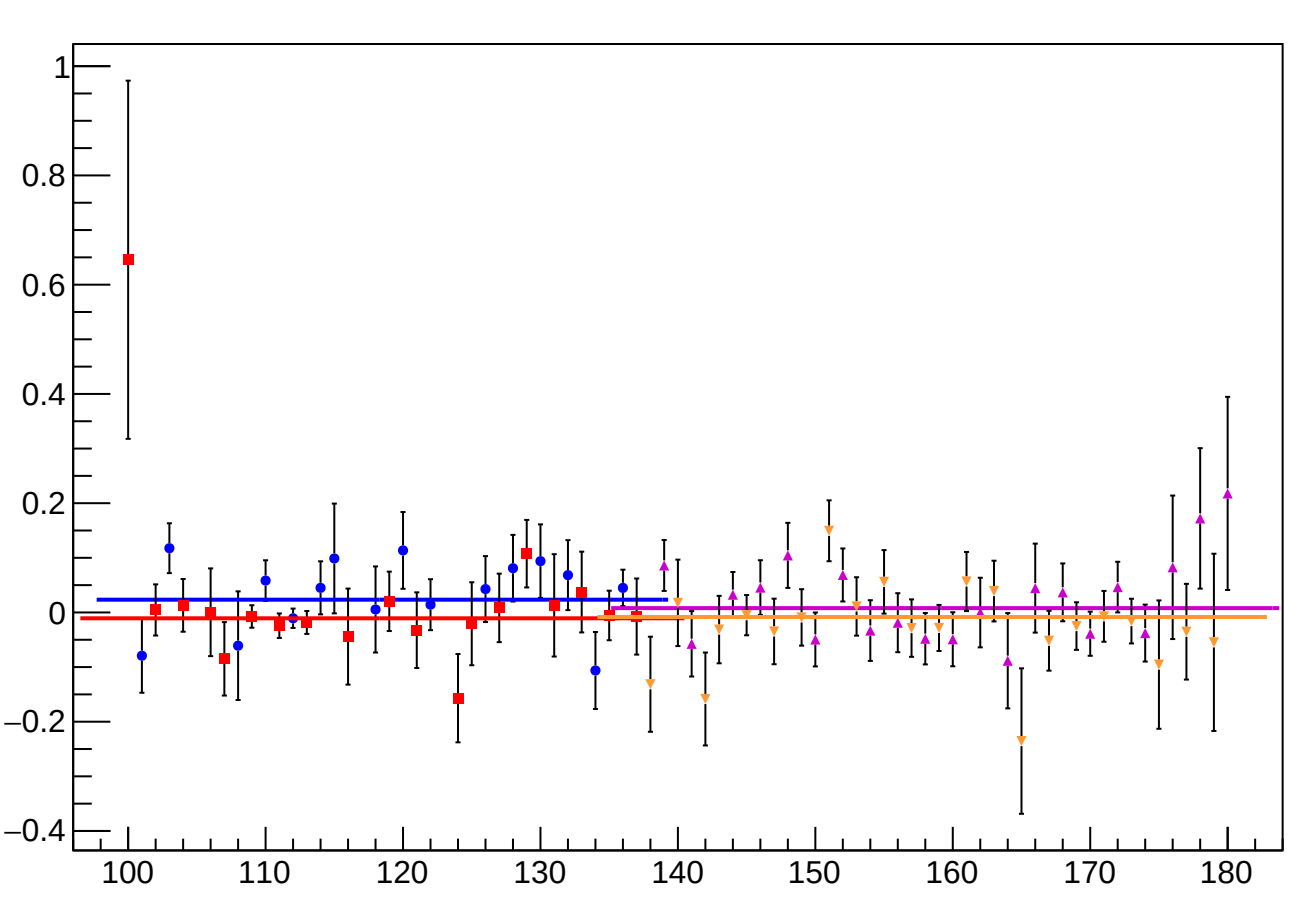
Left: 0.001+/-0.000 χ^2/NDF: 25737111.7/42

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:6119175.8/36

Out: 0.001+/-0.000 χ^2/NDF:21498778.7/40

All: 0.001+/-0.000 χ^2/NDF: 34552093.5/77



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.008+/-0.012 χ^2/NDF:21.9/20

Left: -0.000+/-0.009 χ^2/NDF: 44.7/42

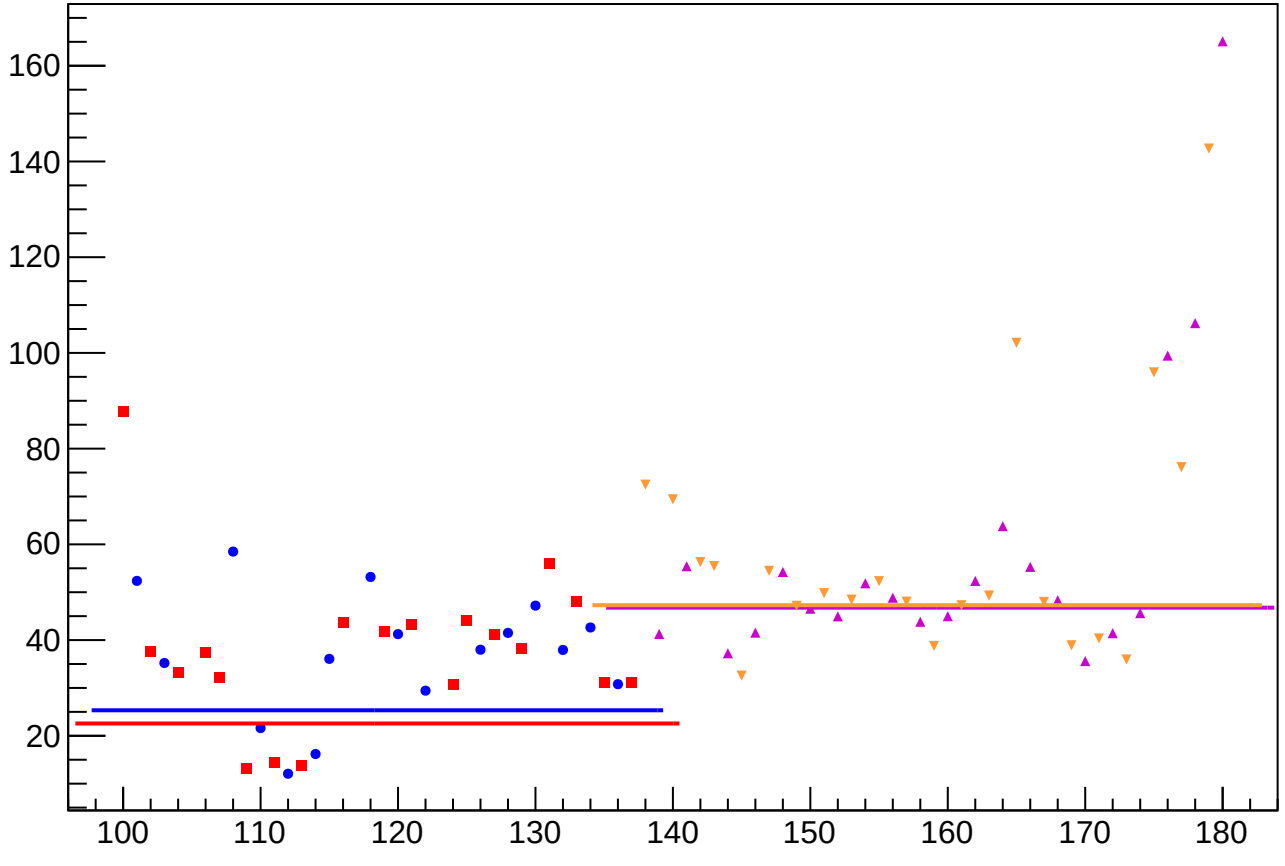
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:43.5/36

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 85.2/77

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696964.1/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

Left: 47.031+/-0.006 χ^2/NDF: 4900393.5/42

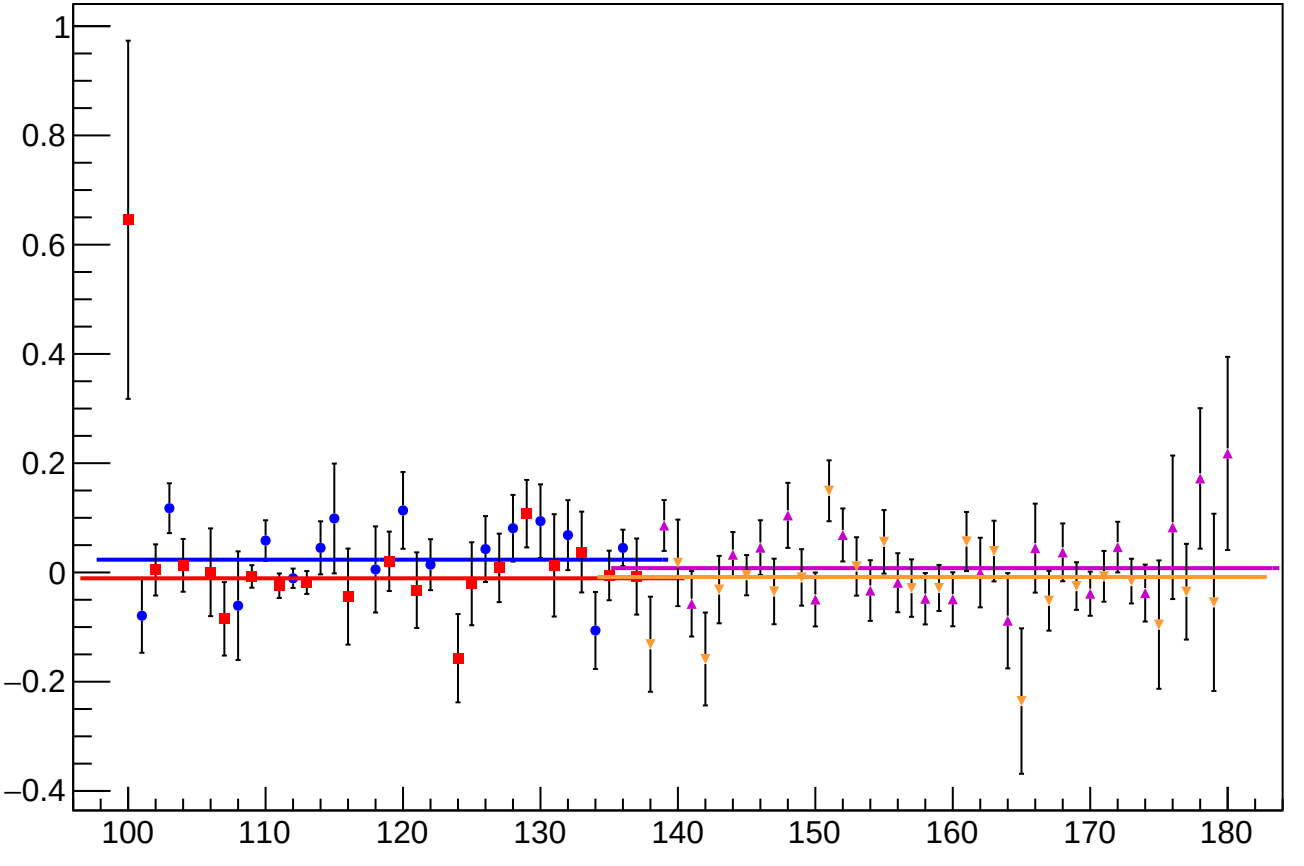
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.112+/-0.006 χ^2/NDF:8549807.9/36

Out: 32.388+/-0.005 χ^2/NDF:10888753.3/40

All: 33.655+/-0.004 χ^2/NDF: 19557649.8/77

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.008+/-0.012 χ^2/NDF:21.9/20

Left: -0.000+/-0.009 χ^2/NDF: 44.7/42

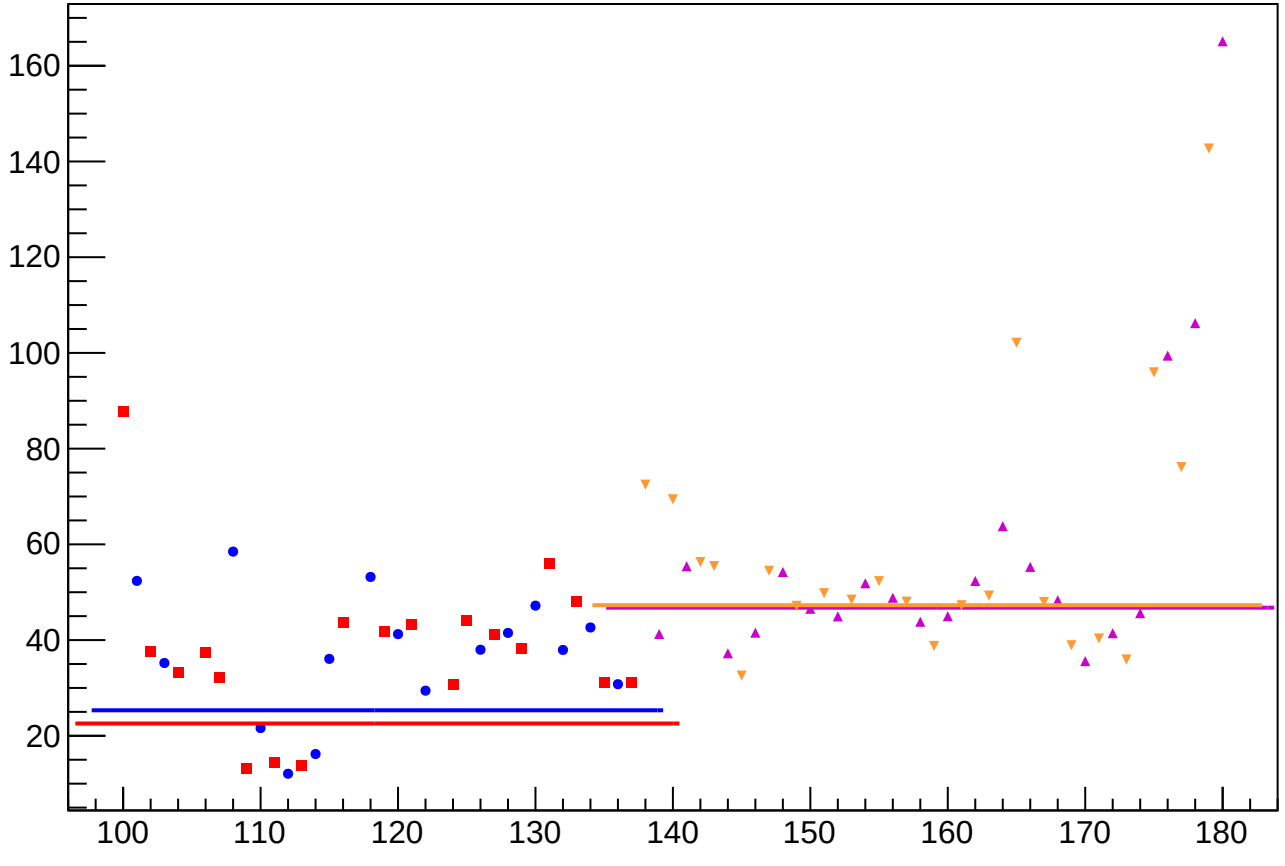
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:43.5/36

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 85.2/77

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: 47.291+/-0.009 χ^2/NDF:2696964.1/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.772+/-0.009 χ^2/NDF:2201582.8/20

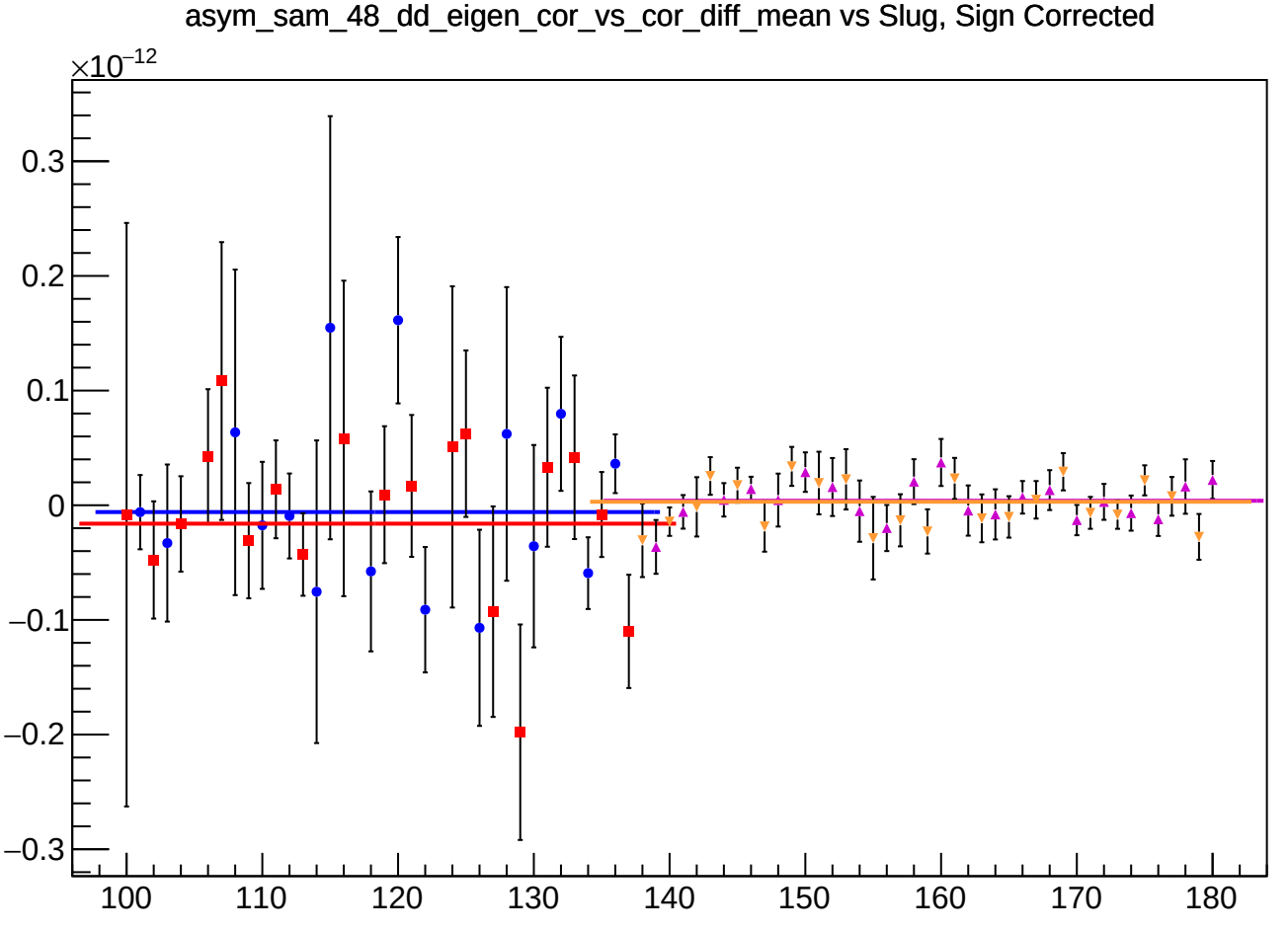
Left: 47.031+/-0.006 χ^2/NDF: 4900393.5/42

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 35.112+/-0.006 χ^2/NDF:8549807.9/36

Out: 32.388+/-0.005 χ^2/NDF:10888753.3/40

All: 33.655+/-0.004 χ^2/NDF: 19557649.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/20

Left: 0.000+/-0.000 χ^2/NDF: 41.9/42

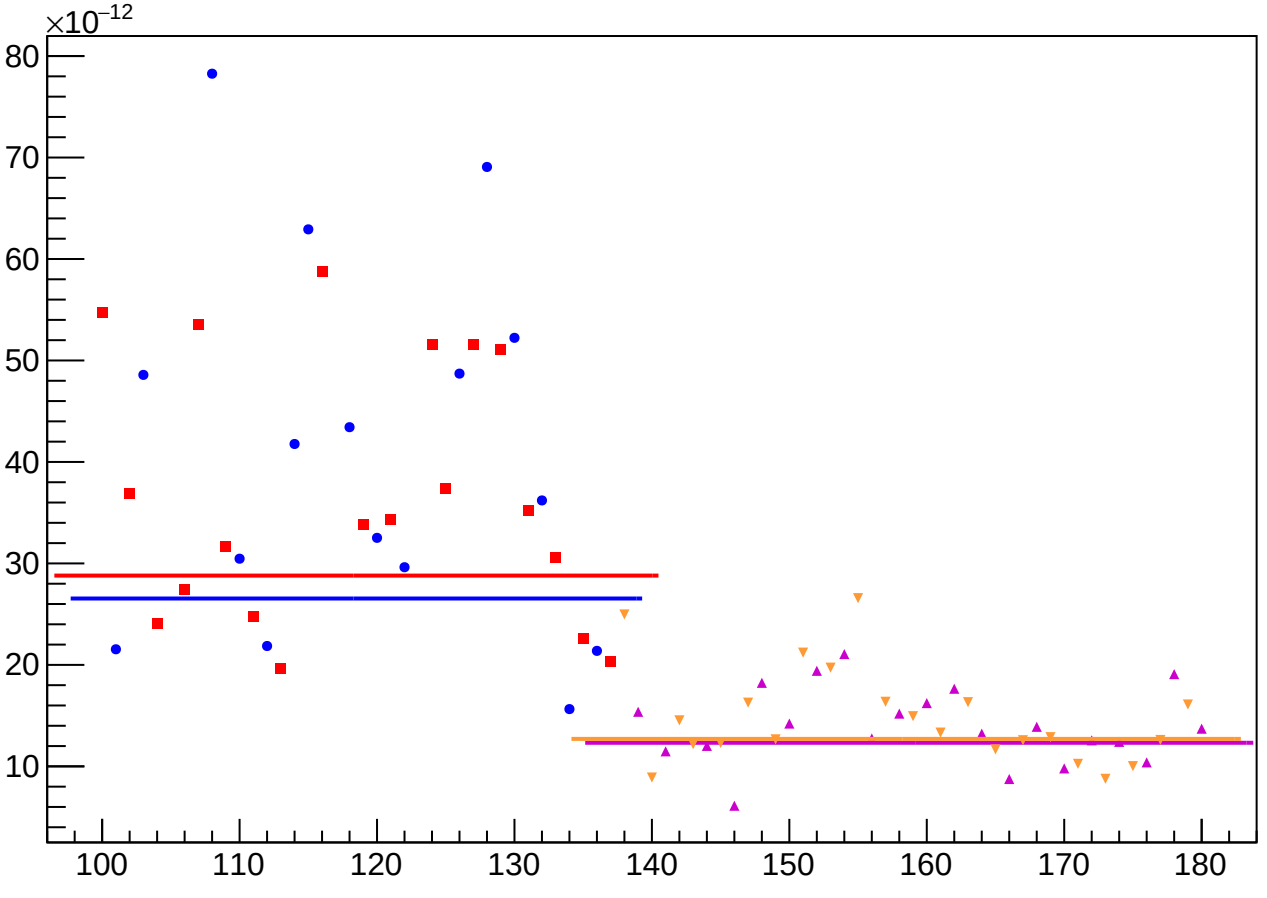
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:36.5/36

Out: 0.000+/-0.000 χ^2/NDF:41.7/40

All: 0.000+/-0.000 χ^2/NDF: 78.2/77

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1733916.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1907250.1/20

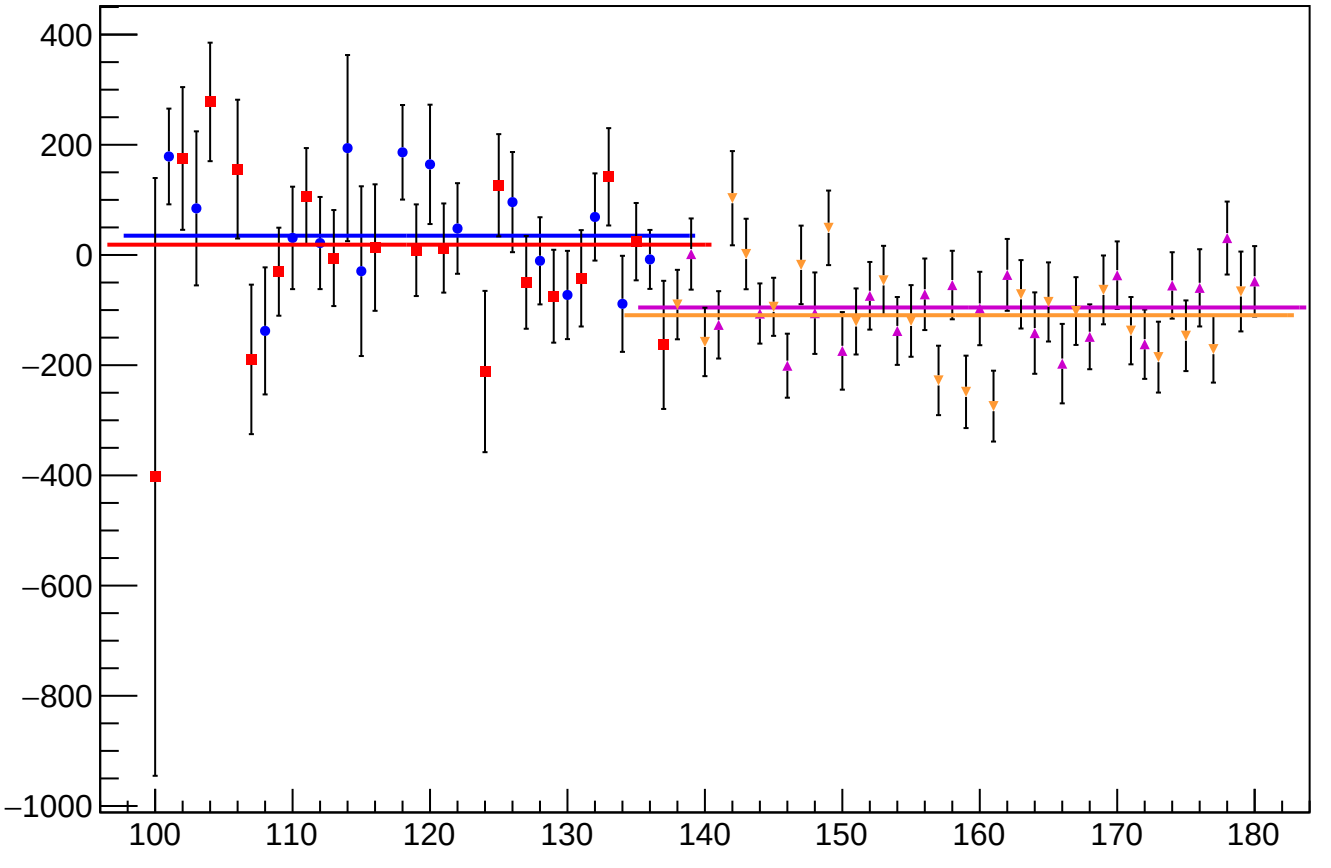
Left: 0.000+/-0.000 χ^2/NDF: 3651615.9/42

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5903156.3/36

Out: 0.000+/-0.000 χ^2/NDF:5356991.8/40

All: 0.000+/-0.000 χ^2/NDF: 11276617.6/77



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.325+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -95.267+/-13.945 χ^2/NDF:19.2/20

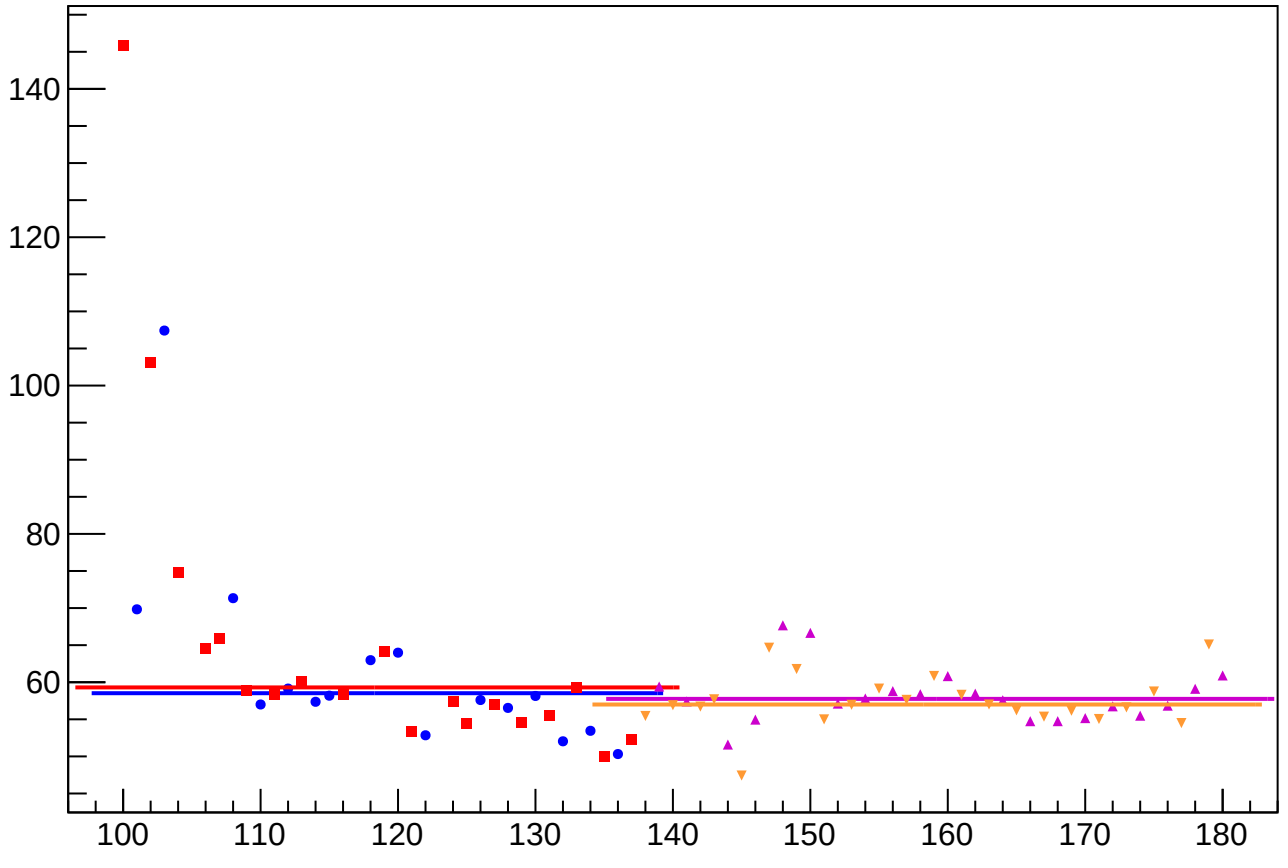
Left: -102.436+/-9.762 χ^2/NDF: 56.9/42

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -58.249+/-11.799 χ^2/NDF:60.2/36

Out: -73.982+/-11.631 χ^2/NDF:84.9/40

All: -66.228+/-8.283 χ^2/NDF: 146.0/77



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

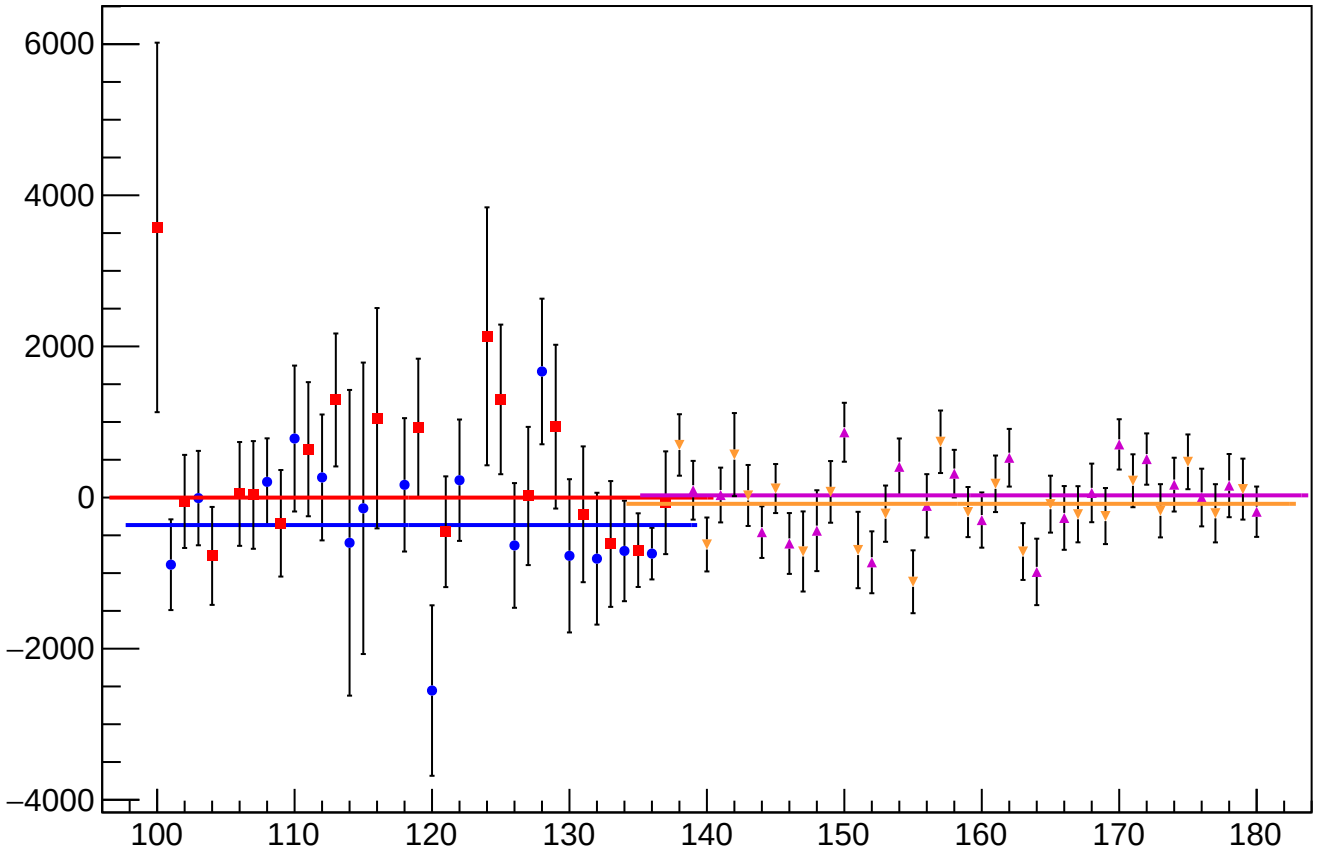
Left: 57.369+/-0.007 χ^2/NDF: 276383.8/42

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.974+/-0.008 χ^2/NDF:520948.1/36

Out: 57.633+/-0.008 χ^2/NDF:569161.4/40

All: 57.801+/-0.006 χ^2/NDF: 1090954.0/77



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -83.041+/-82.549 χ^2/NDF:28.3/21

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 28.999+/-82.512 χ^2/NDF:31.6/20

Left: -26.995+/-58.358 χ^2/NDF: 60.9/42

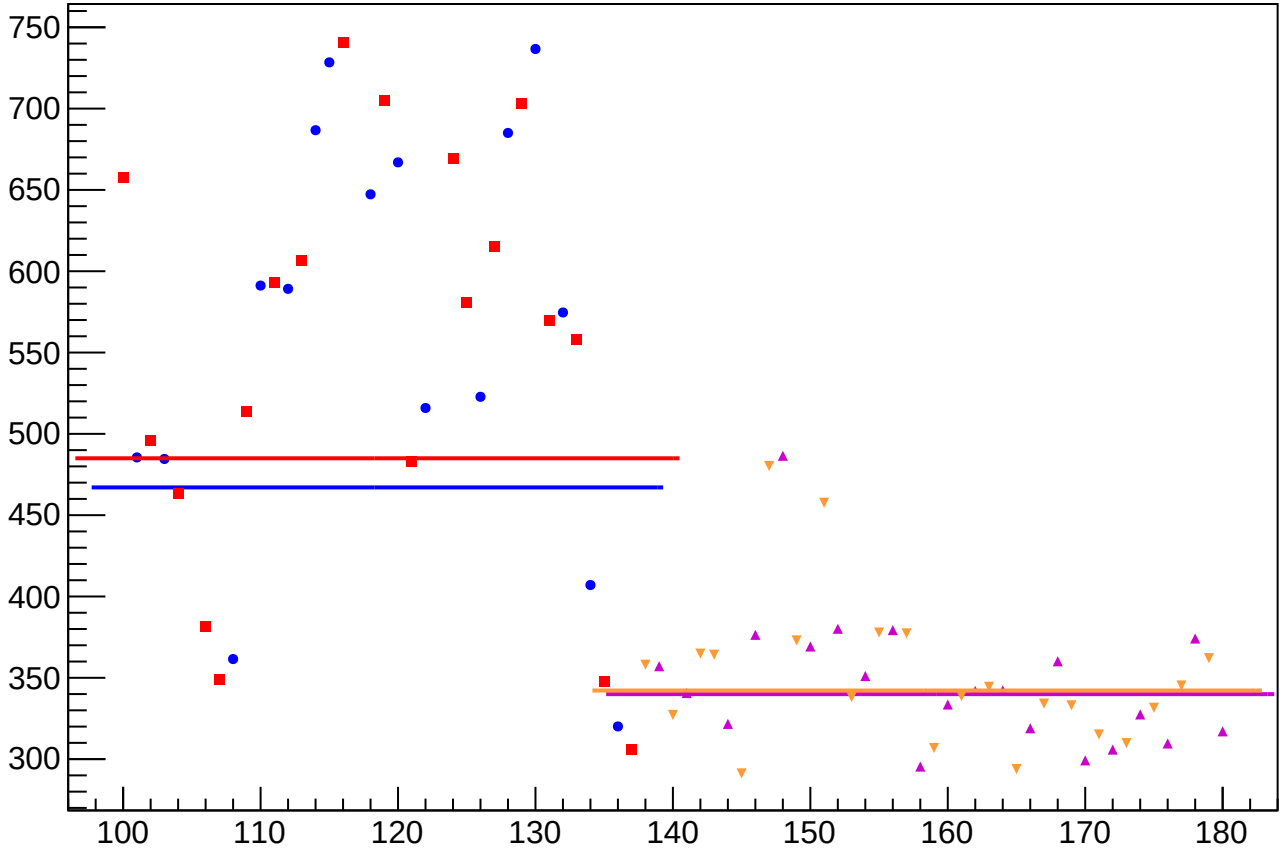
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -38.880+/-75.050 χ^2/NDF:50.8/36

Out: -69.108+/-75.253 χ^2/NDF:43.6/40

All: -53.953+/-53.140 χ^2/NDF: 94.5/77

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 342.187+/-0.058 χ^2/NDF:439582.2/21

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 339.959+/-0.058 χ^2/NDF:365299.9/20

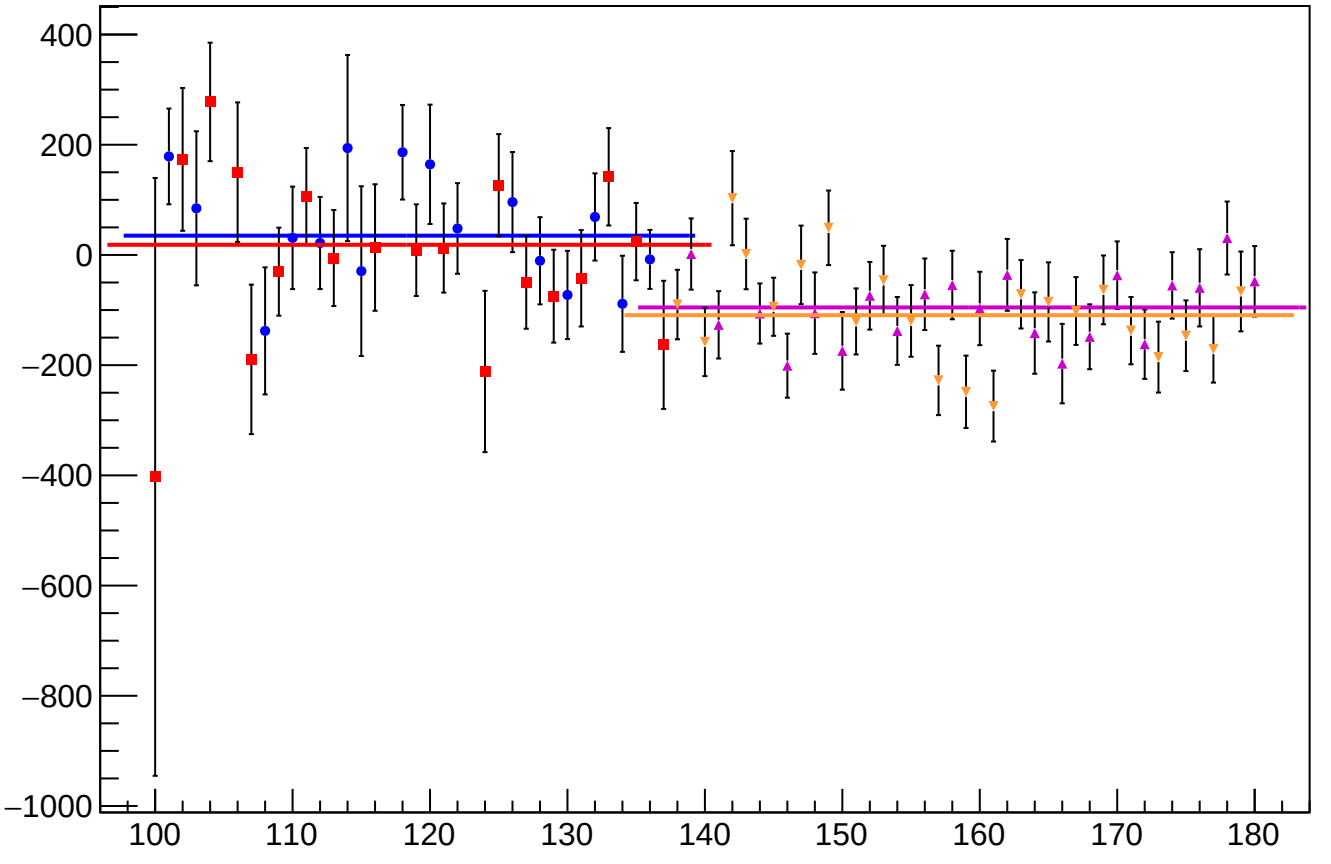
Left: 341.072+/-0.041 χ^2/NDF: 805610.8/42

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 361.909+/-0.053 χ^2/NDF:2215199.9/36

Out: 366.311+/-0.053 χ^2/NDF:2324747.2/40

All: 364.104+/-0.038 χ^2/NDF: 4543378.1/77



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -95.269+/-13.945 χ^2/NDF:19.2/20

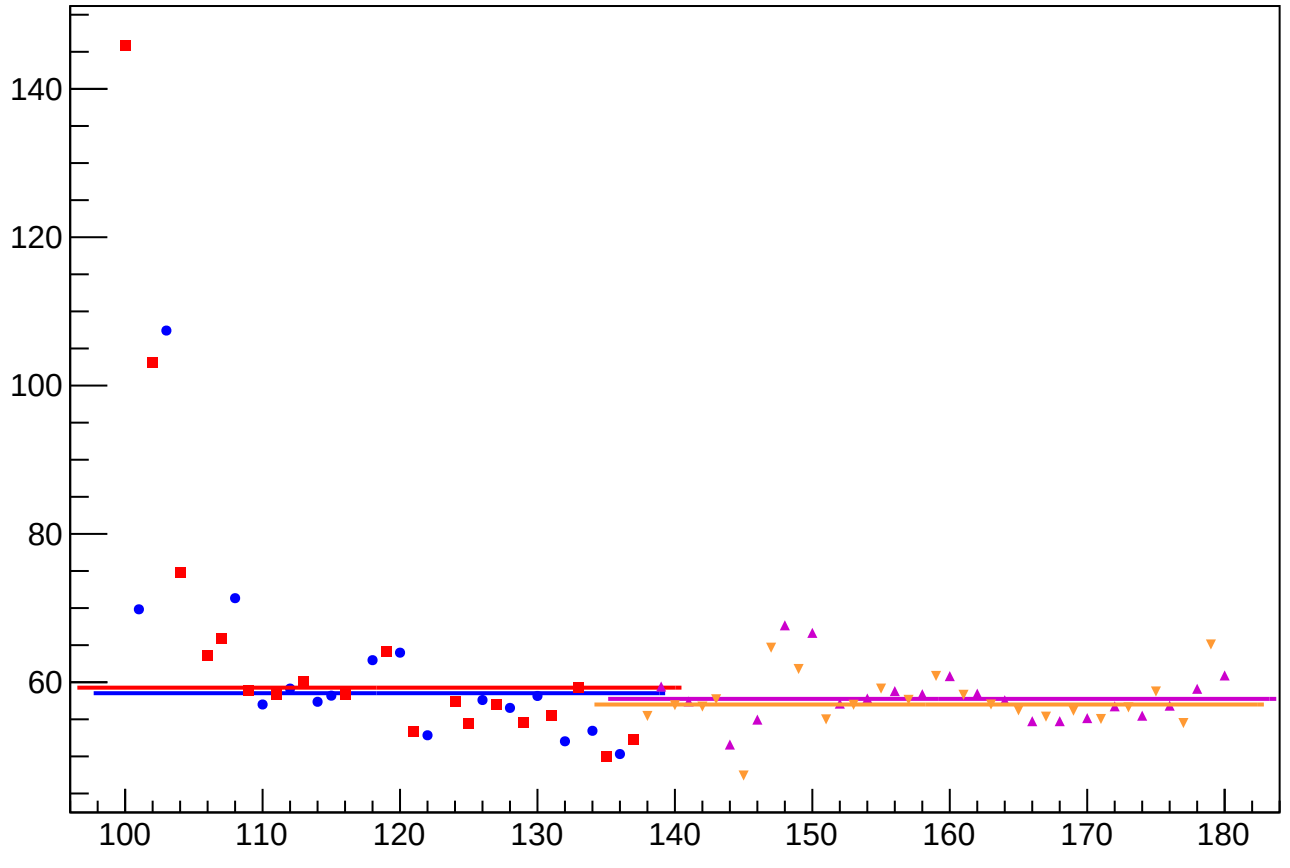
Left: -102.436+/-9.762 χ^2/NDF: 56.9/42

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.250+/-11.799 χ^2/NDF:60.2/36

Out: -74.066+/-11.632 χ^2/NDF:84.6/40

All: -66.271+/-8.283 χ^2/NDF: 145.7/77



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

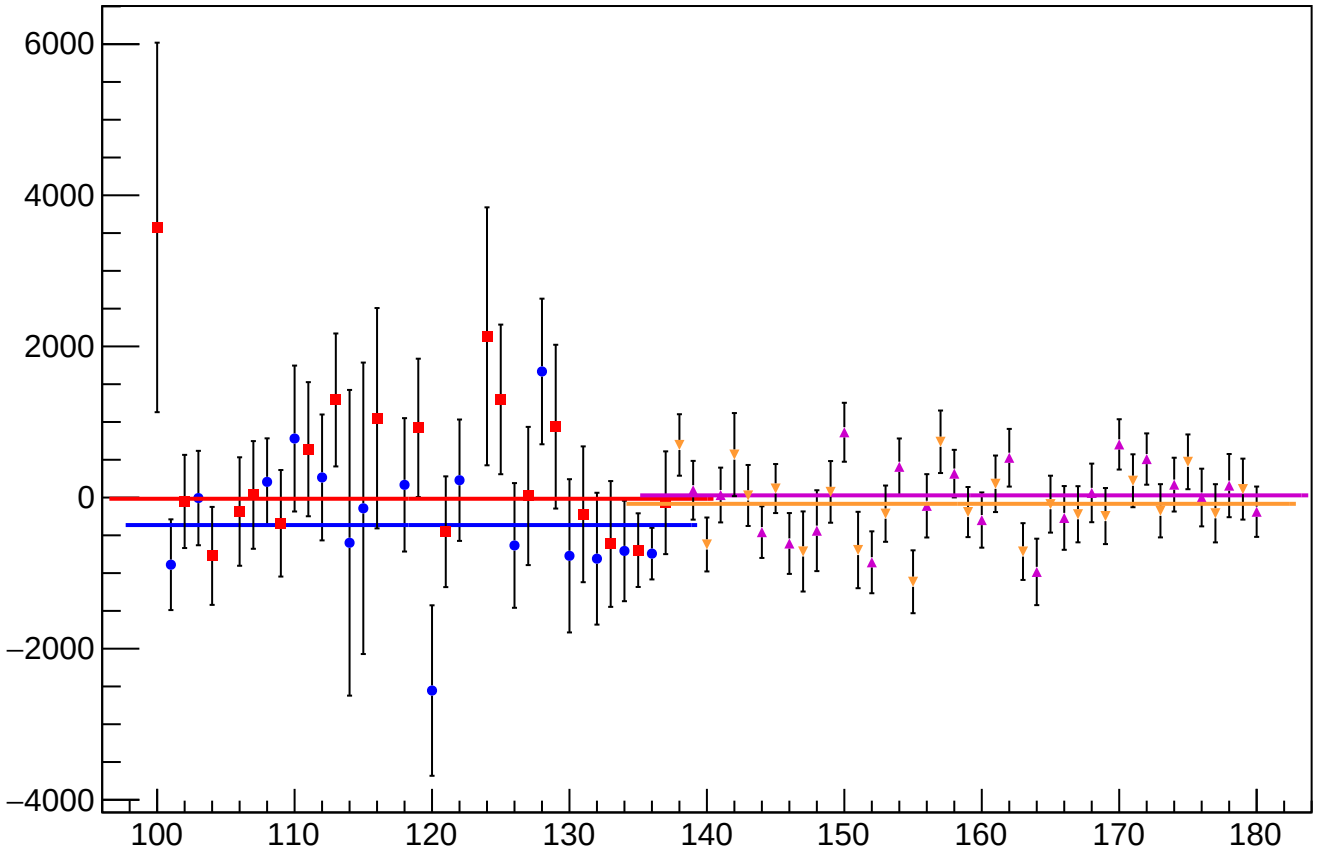
Left: 57.369+/-0.007 χ^2/NDF: 276383.8/42

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.974+/-0.008 χ^2/NDF:520950.2/36

Out: 57.624+/-0.008 χ^2/NDF:567731.8/40

All: 57.797+/-0.006 χ^2/NDF: 1089571.5/77



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 28.998+/-82.512 χ^2/NDF:31.6/20

Left: -26.997+/-58.358 χ^2/NDF: 60.9/42

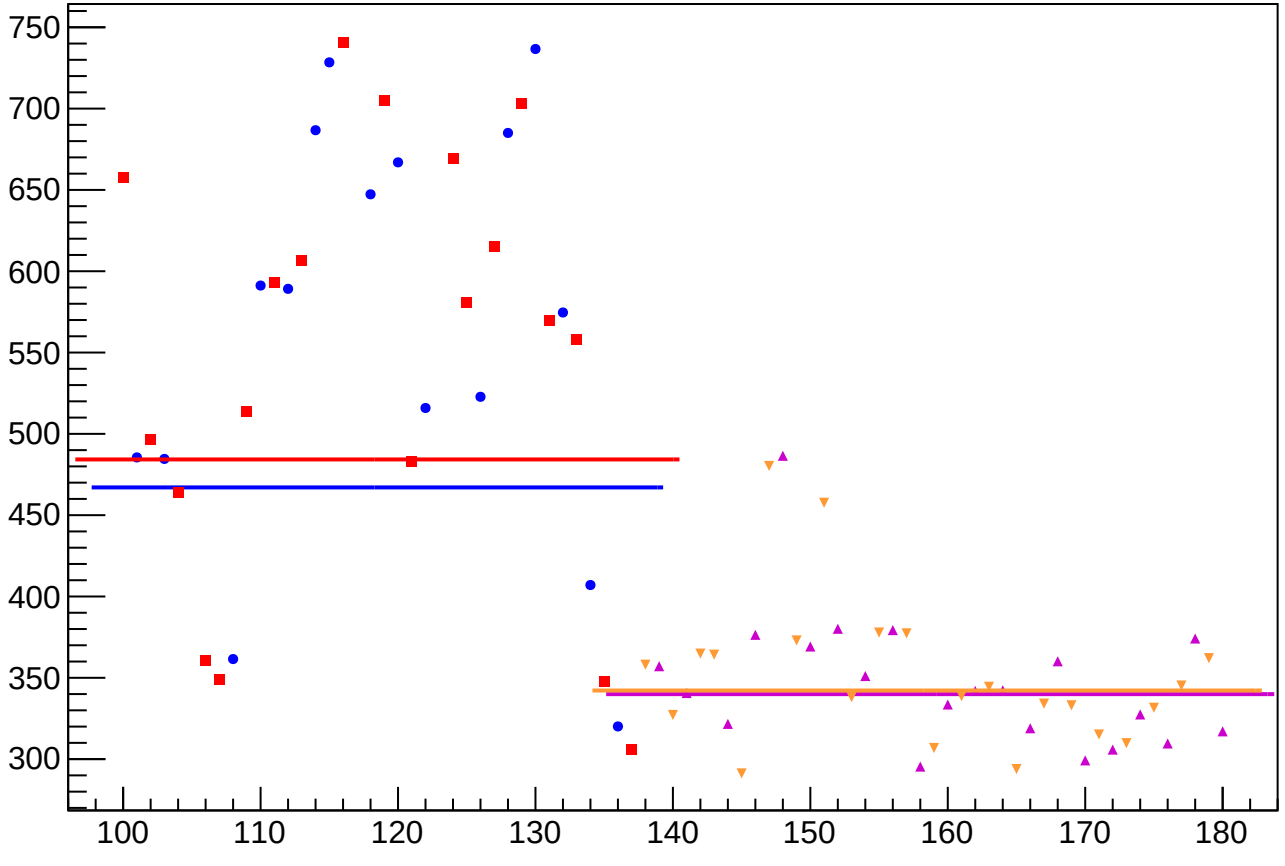
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -38.874+/-75.050 χ^2/NDF:50.8/36

Out: -71.789+/-75.293 χ^2/NDF:43.6/40

All: -55.278+/-53.154 χ^2/NDF: 94.5/77

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: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

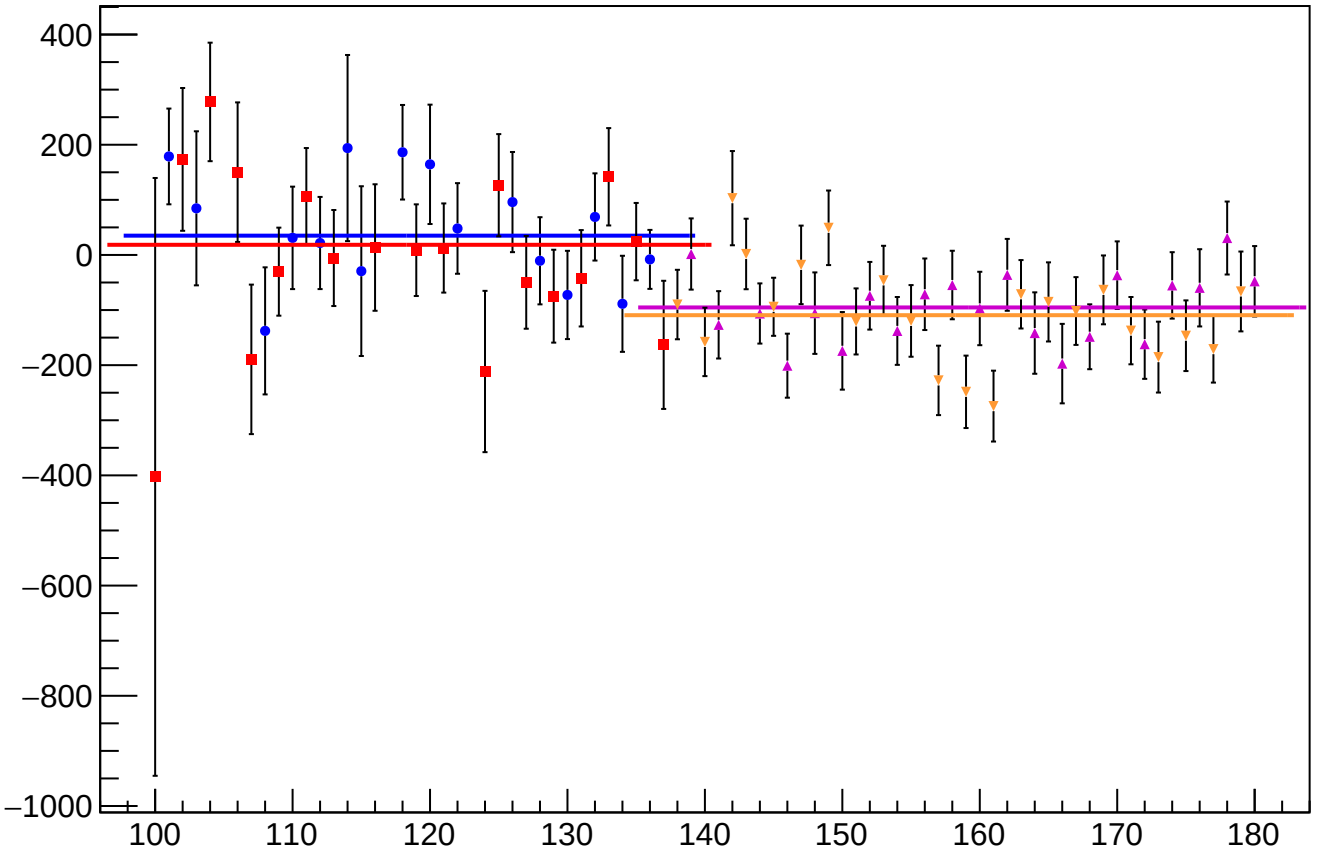
Left: 341.072+/-0.041 χ^2/NDF: 805615.0/42

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 361.909+/-0.053 χ^2/NDF:2215233.2/36

Out: 366.069+/-0.053 χ^2/NDF:2324321.7/40

All: 363.983+/-0.038 χ^2/NDF: 4542616.9/77



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -95.269+/-13.945 χ^2/NDF:19.2/20

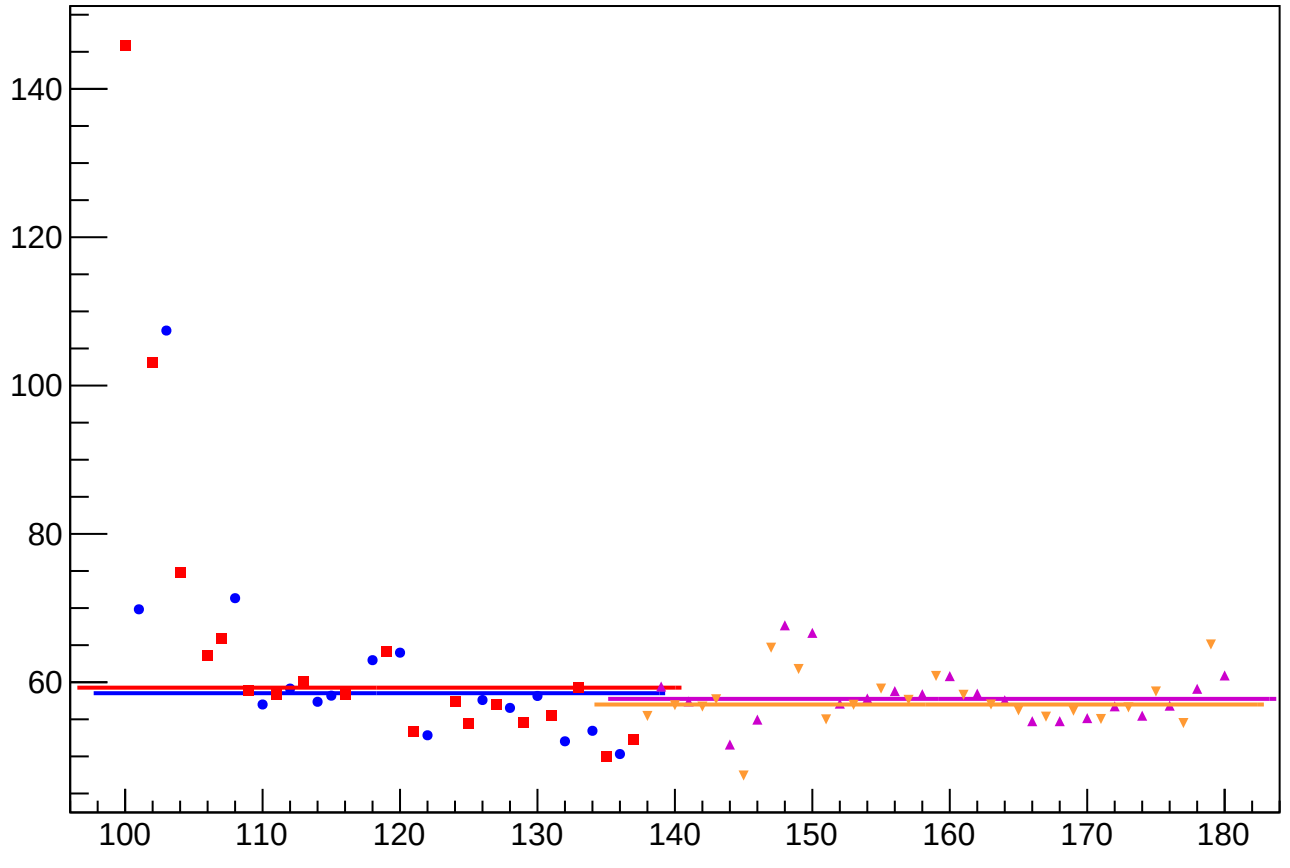
Left: -102.436+/-9.762 χ^2/NDF: 56.9/42

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.250+/-11.799 χ^2/NDF:60.2/36

Out: -74.066+/-11.632 χ^2/NDF:84.6/40

All: -66.271+/-8.283 χ^2/NDF: 145.7/77



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.756+/-0.010 χ^2/NDF:126494.5/20

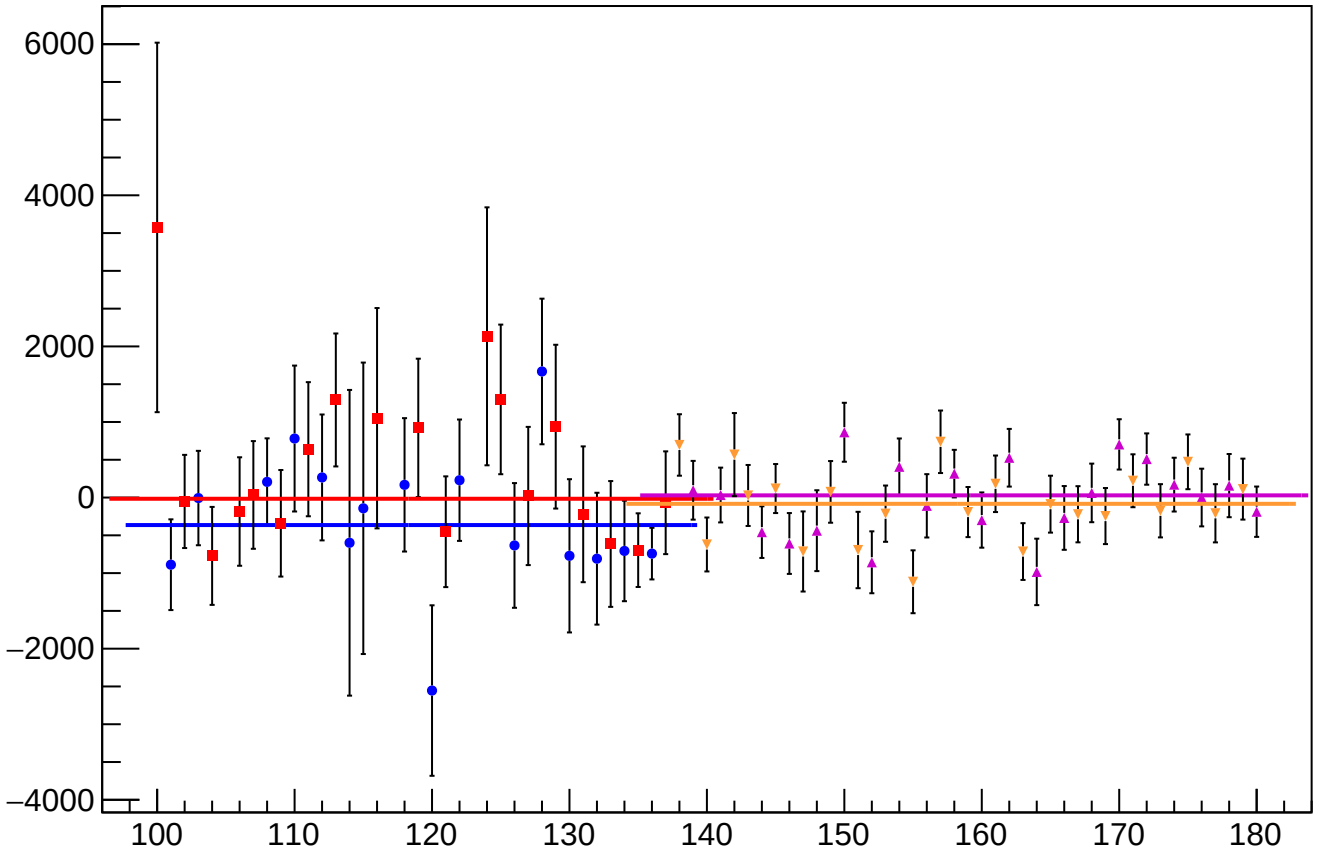
Left: 57.369+/-0.007 χ^2/NDF: 276383.8/42

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.974+/-0.008 χ^2/NDF:520950.2/36

Out: 57.624+/-0.008 χ^2/NDF:567731.8/40

All: 57.797+/-0.006 χ^2/NDF: 1089571.5/77



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 28.998+/-82.512 χ^2/NDF:31.6/20

Left: -26.997+/-58.358 χ^2/NDF: 60.9/42

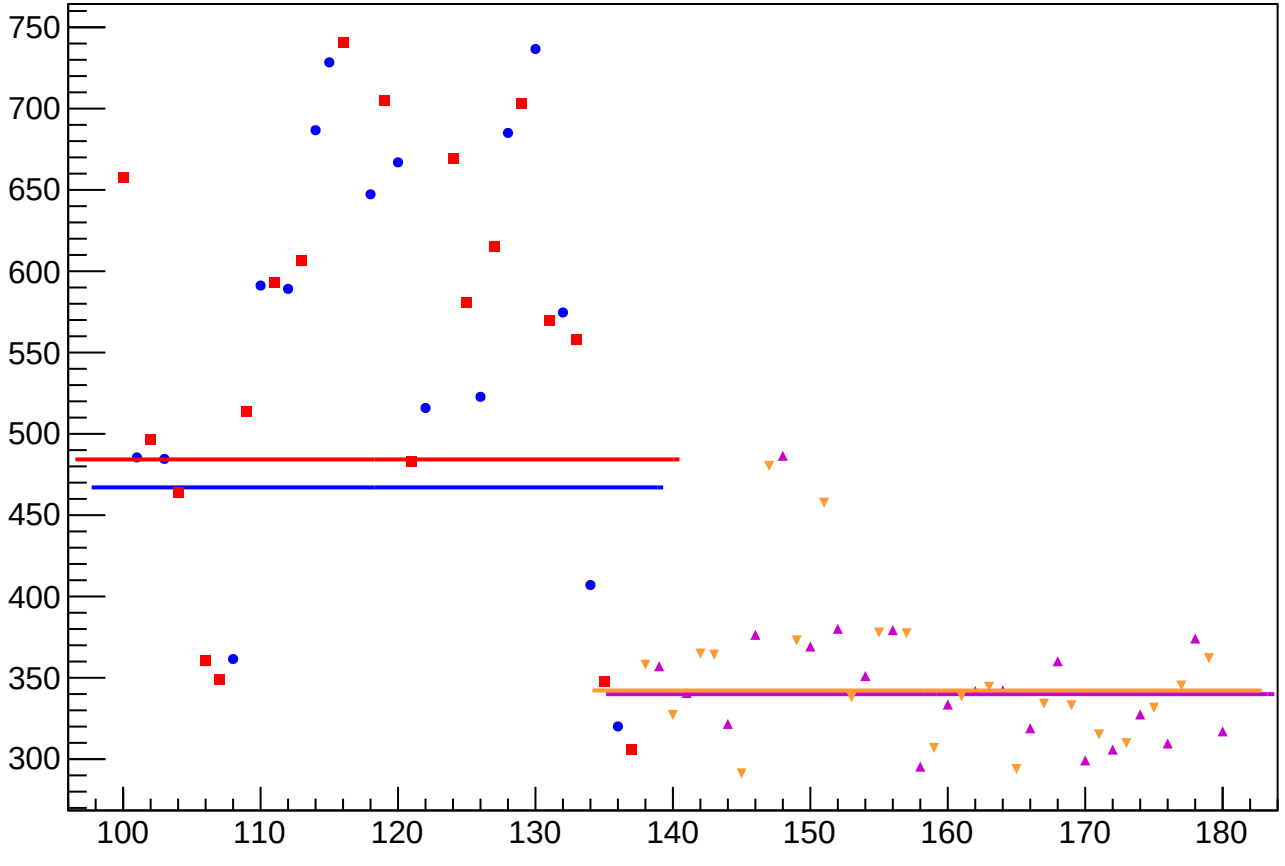
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -38.874+/-75.050 χ^2/NDF:50.8/36

Out: -71.789+/-75.293 χ^2/NDF:43.6/40

All: -55.278+/-53.154 χ^2/NDF: 94.5/77

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: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 339.959+/-0.058 χ^2/NDF:365304.3/20

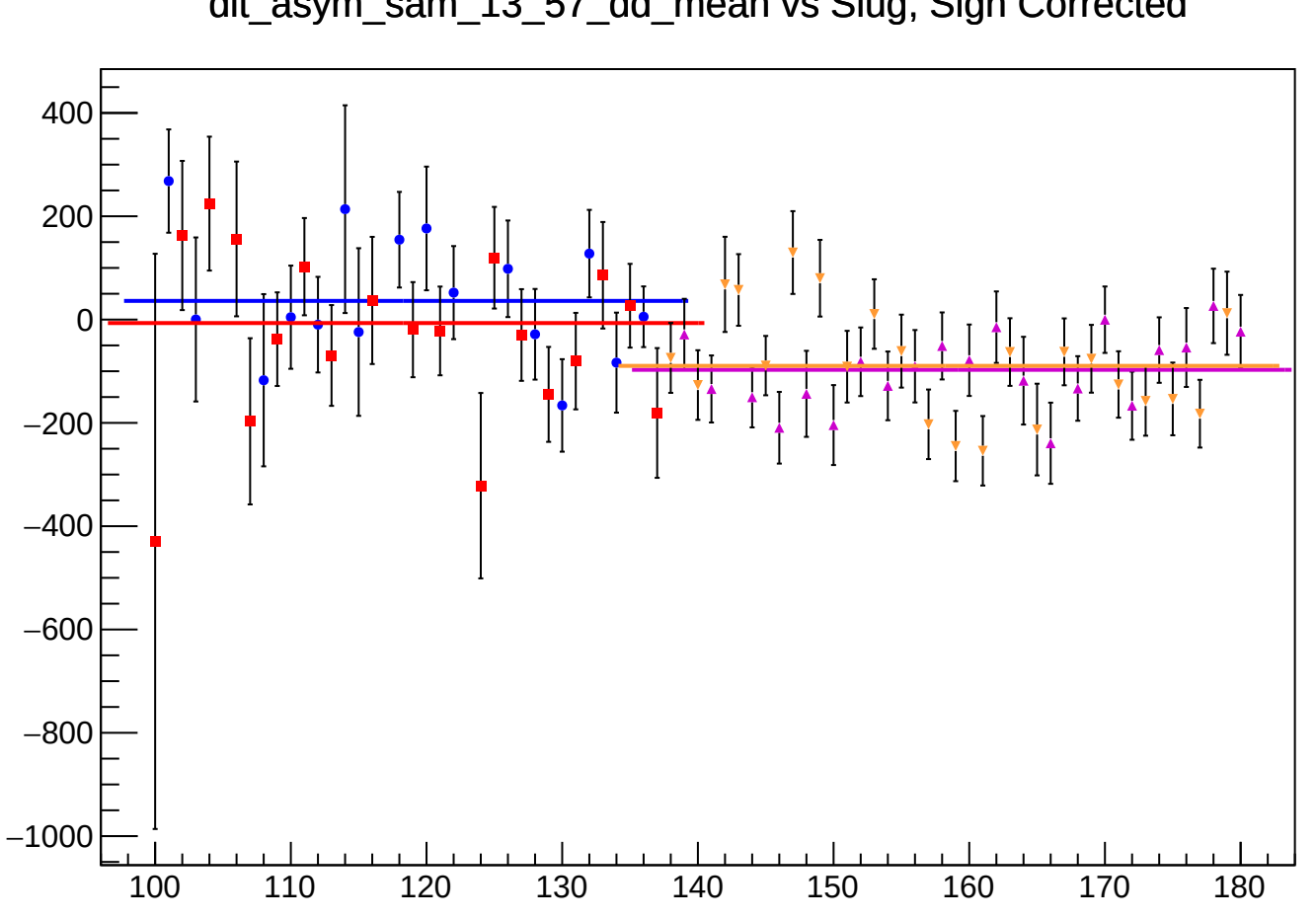
Left: 341.072+/-0.041 χ^2/NDF: 805615.0/42

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 361.909+/-0.053 χ^2/NDF:2215233.2/36

Out: 366.069+/-0.053 χ^2/NDF:2324321.7/40

All: 363.983+/-0.038 χ^2/NDF: 4542616.9/77



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -97.269+/-15.057 χ^2/NDF:21.0/20

Left: -93.369+/-10.550 χ^2/NDF: 66.1/42

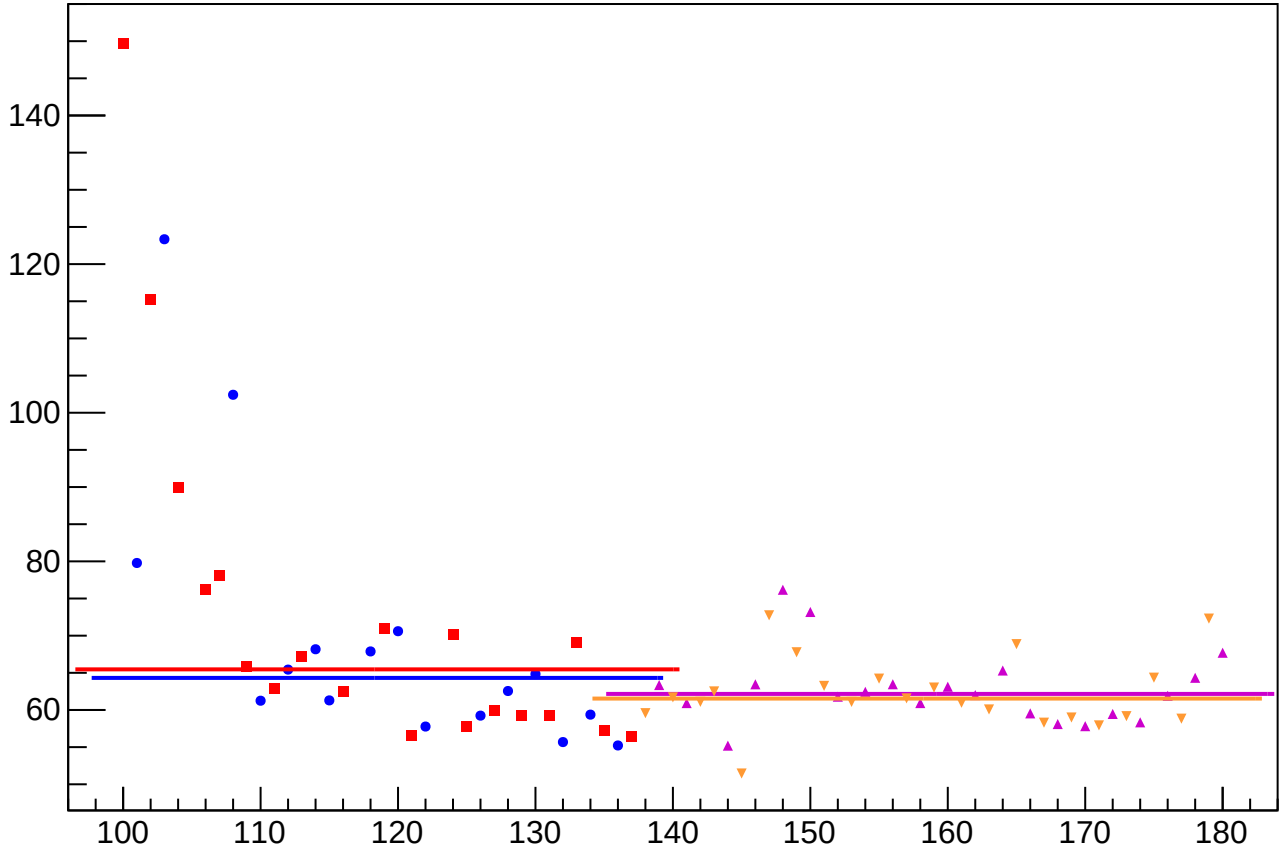
Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.626+/-12.824 χ^2/NDF:62.2/36

Out: -67.569+/-12.668 χ^2/NDF:73.7/40

All: -64.140+/-9.012 χ^2/NDF: 136.0/77

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.535+/-0.010 χ^2/NDF:195994.7/21

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.162+/-0.011 χ^2/NDF:176679.9/20

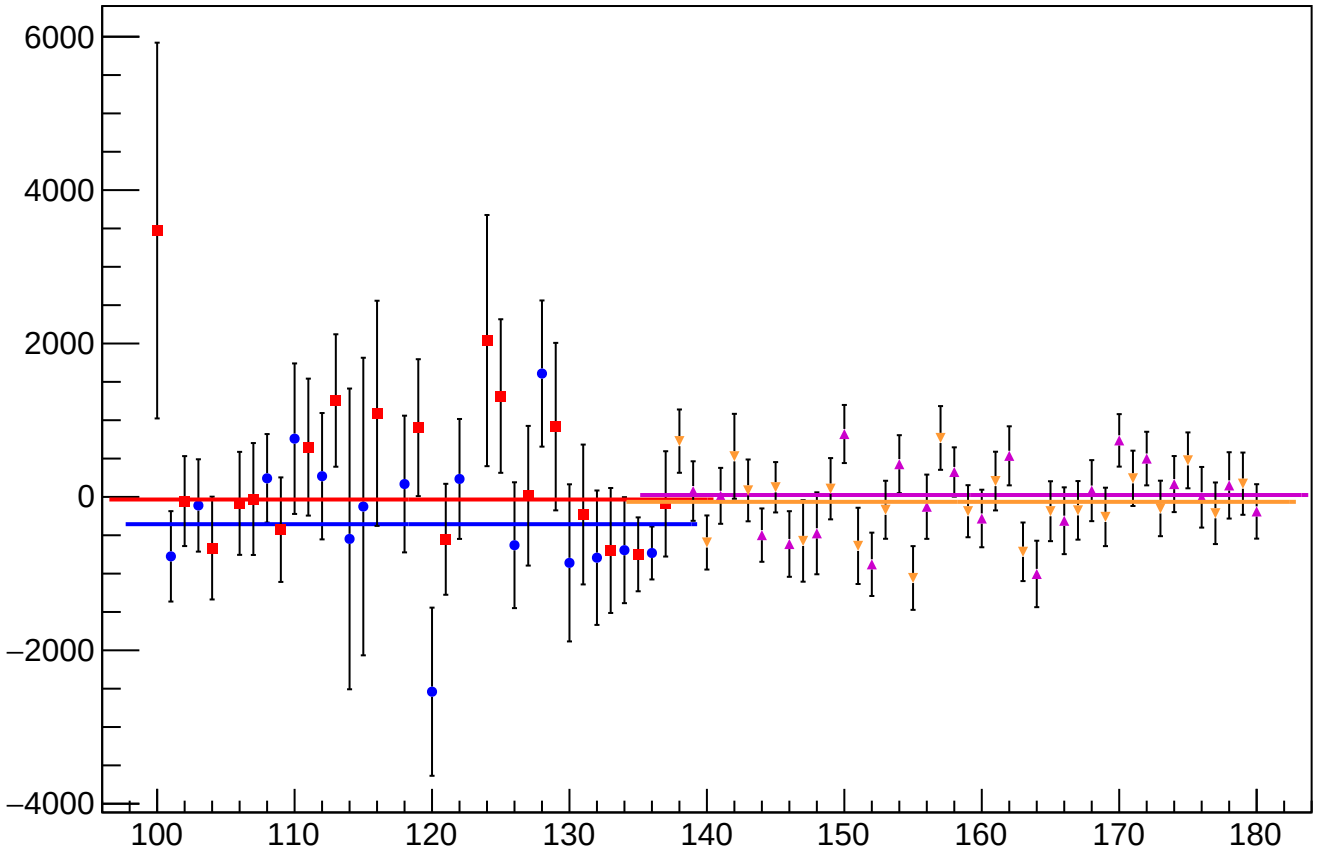
Left: 61.843+/-0.007 χ^2/NDF: 374444.1/42

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.754+/-0.009 χ^2/NDF:719983.6/36

Out: 62.580+/-0.009 χ^2/NDF:715957.8/40

All: 62.666+/-0.006 χ^2/NDF: 1436127.1/77



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 24.856+/-84.124 χ^2/NDF:32.2/20

Left: -19.916+/-59.323 χ^2/NDF: 60.0/42

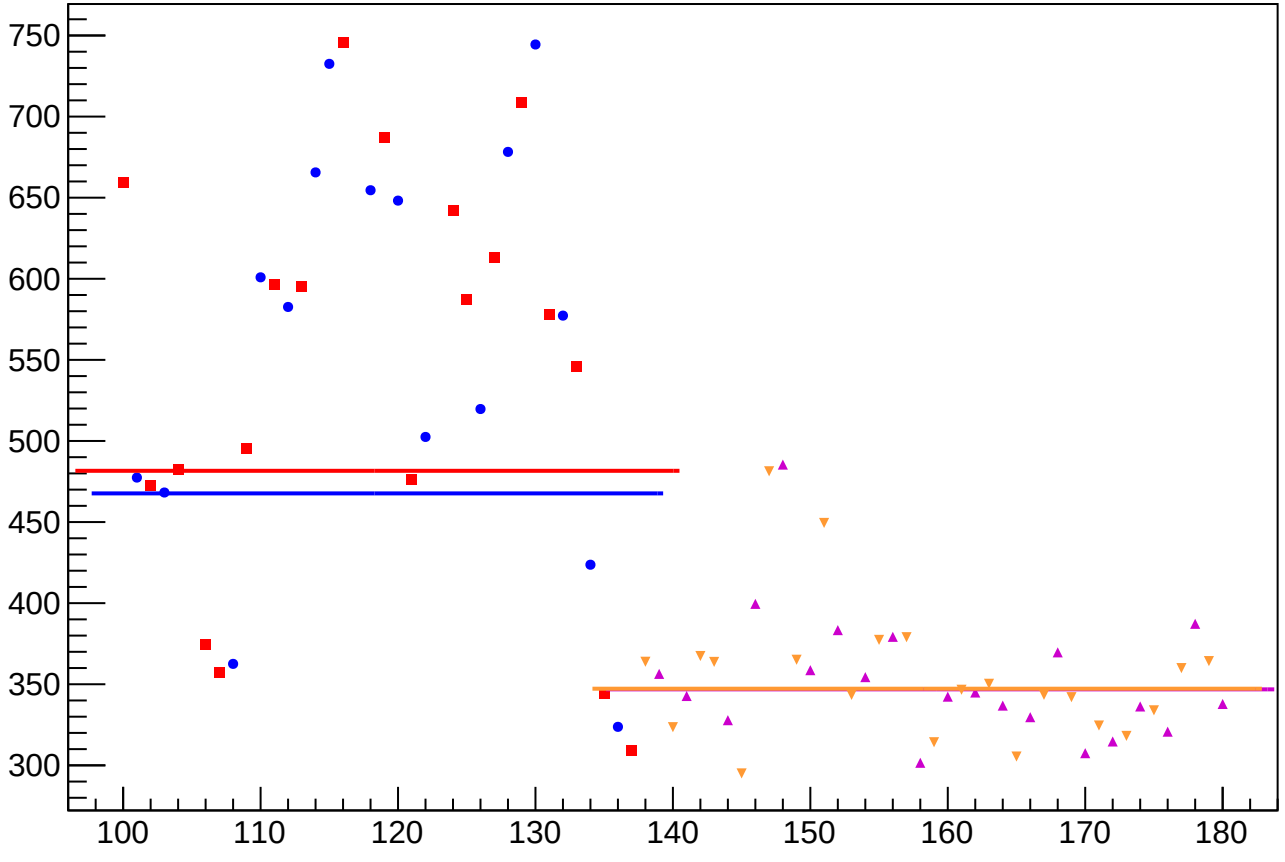
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.126+/-76.237 χ^2/NDF:50.6/36

Out: -58.878+/-75.989 χ^2/NDF:42.7/40

All: -51.027+/-53.820 χ^2/NDF: 93.3/77

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: 347.253+/-0.059 χ^2/NDF:378742.1/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 346.852+/-0.059 χ^2/NDF:326075.1/20

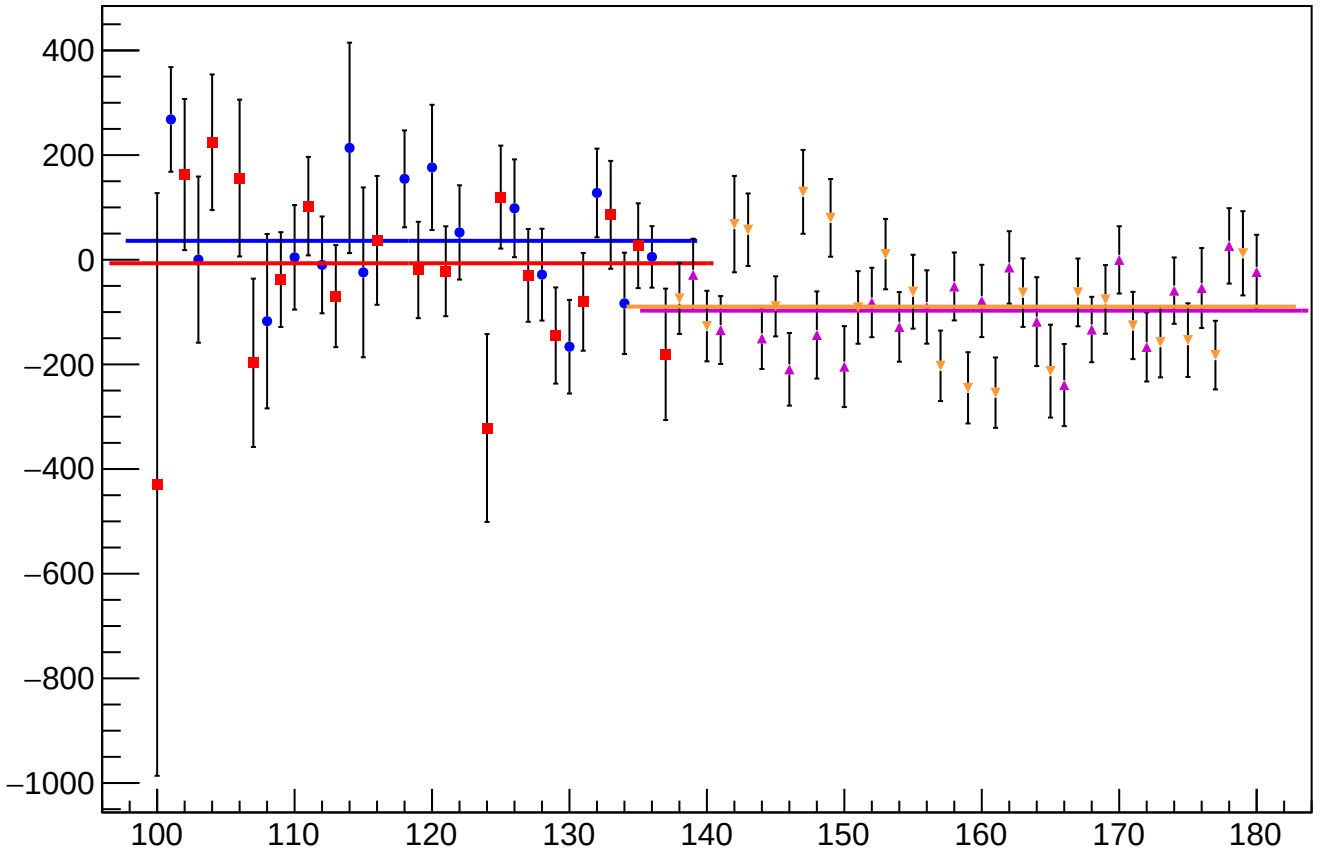
Left: 347.054+/-0.042 χ^2/NDF: 704840.1/42

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 368.445+/-0.054 χ^2/NDF:2049344.1/36

Out: 370.787+/-0.054 χ^2/NDF:2136258.7/40

All: 369.620+/-0.038 χ^2/NDF: 4186549.2/77



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -97.269+/-15.057 χ^2/NDF:21.0/20

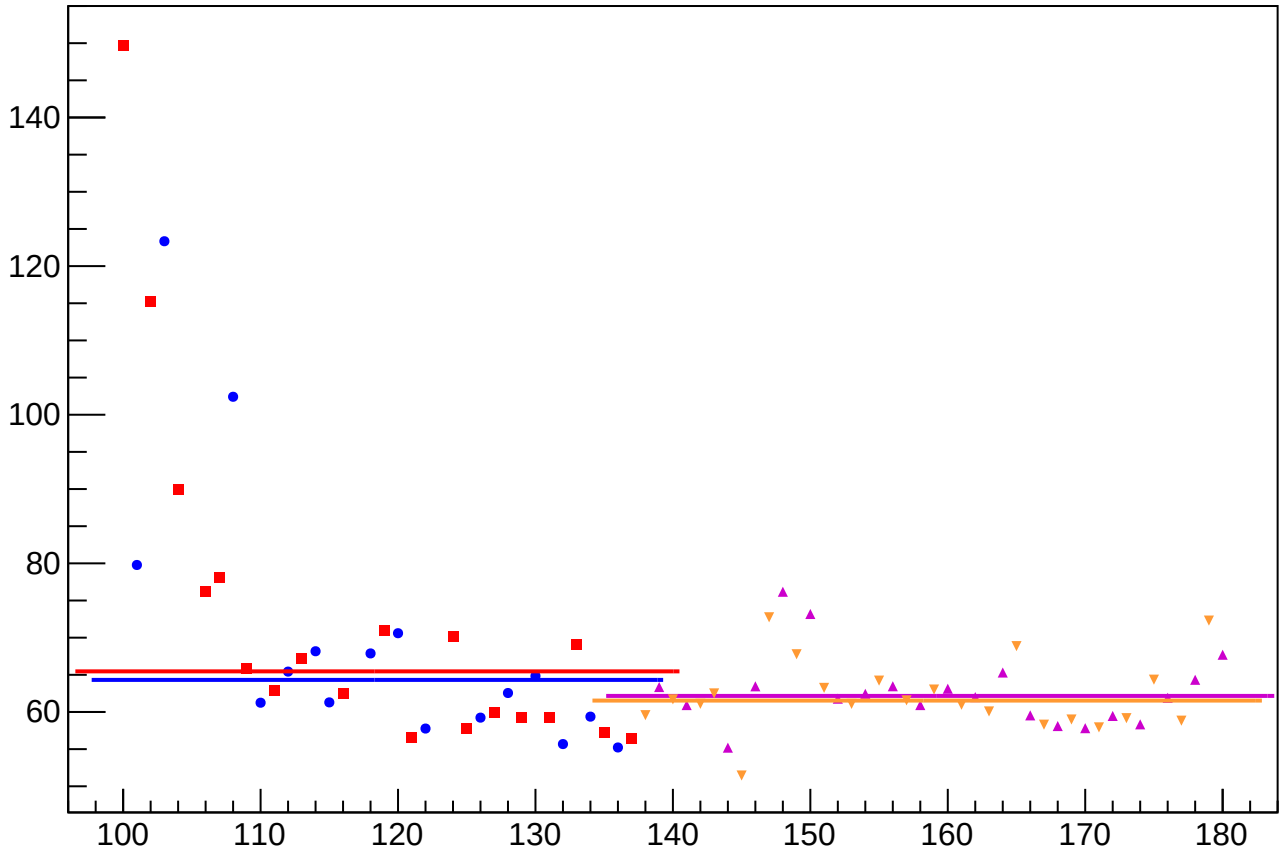
Left: -93.369+/-10.550 χ^2/NDF: 66.1/42

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.626+/-12.824 χ^2/NDF:62.2/36

Out: -67.569+/-12.668 χ^2/NDF:73.7/40

All: -64.140+/-9.012 χ^2/NDF: 136.0/77



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.535+/-0.010 χ^2/NDF:196001.1/21

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.162+/-0.011 χ^2/NDF:176683.5/20

Left: 61.843+/-0.007 χ^2/NDF: 374454.1/42

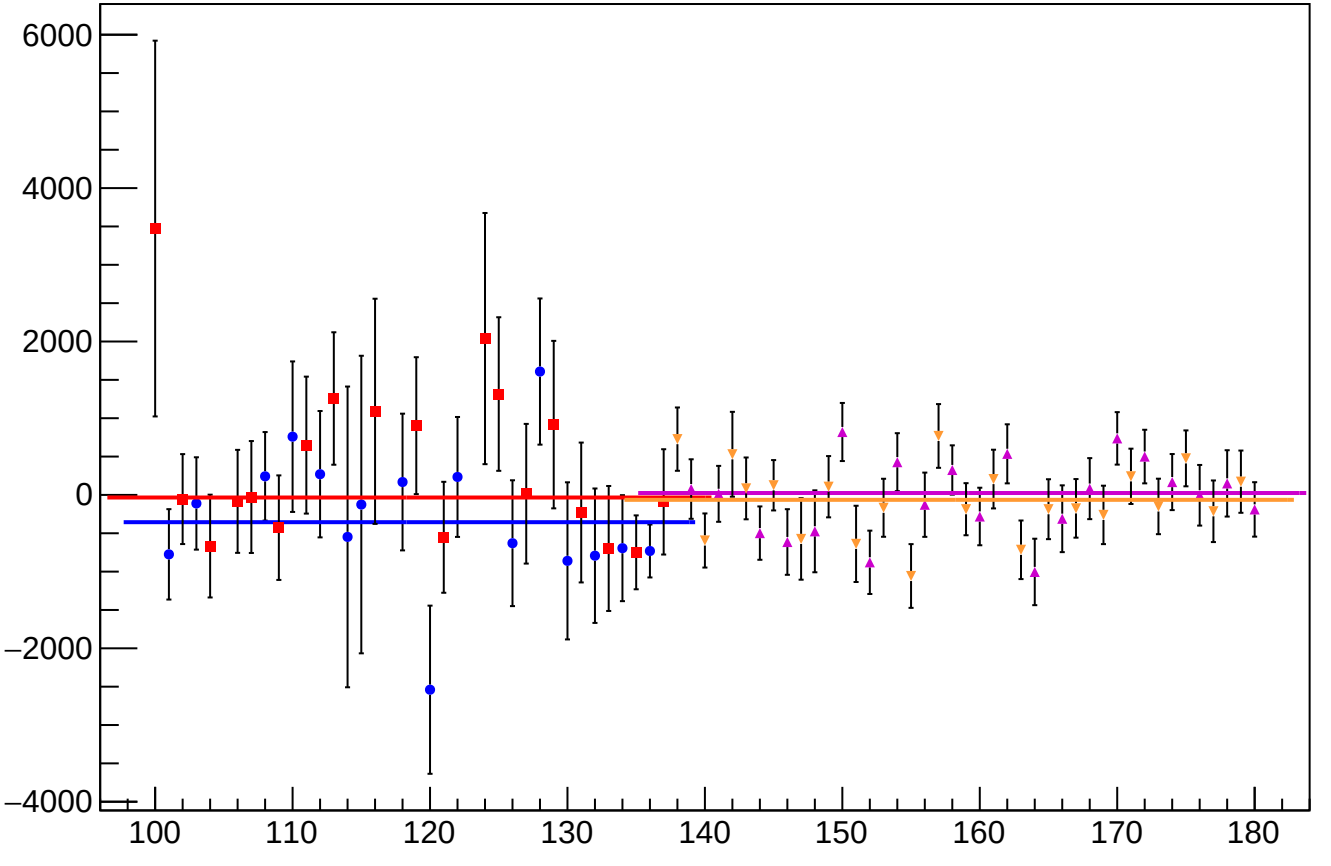
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.754+/-0.009 χ^2/NDF:719994.1/36

Out: 62.580+/-0.009 χ^2/NDF:715967.9/40

All: 62.666+/-0.006 χ^2/NDF: 1436147.7/77

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: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 24.856+/-84.124 χ^2/NDF:32.2/20

Left: -19.916+/-59.323 χ^2/NDF: 60.0/42

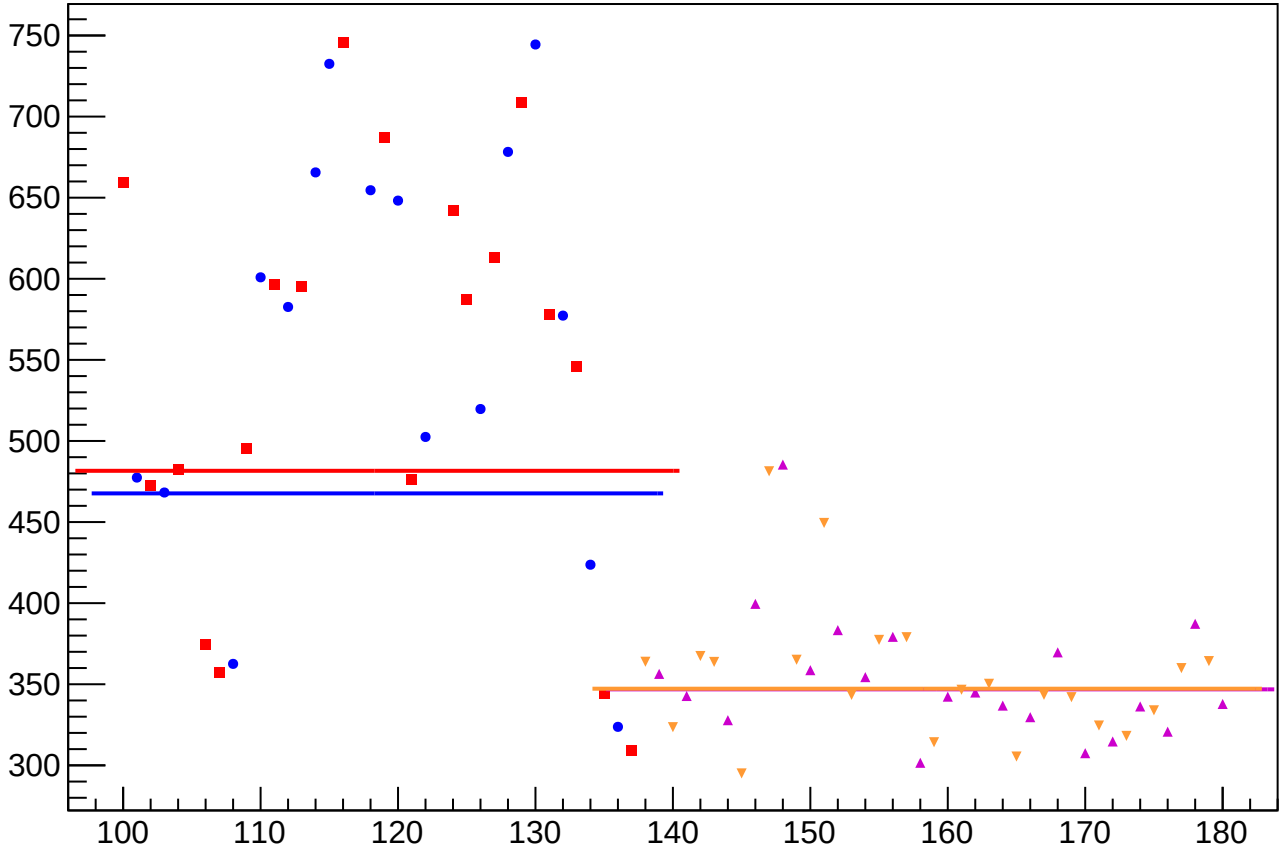
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.126+/-76.237 χ^2/NDF:50.6/36

Out: -58.878+/-75.989 χ^2/NDF:42.7/40

All: -51.028+/-53.820 χ^2/NDF: 93.3/77

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: 347.253+/-0.059 χ^2/NDF:378741.6/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 346.852+/-0.059 χ^2/NDF:326076.5/20

Left: 347.054+/-0.042 χ^2/NDF: 704841.0/42

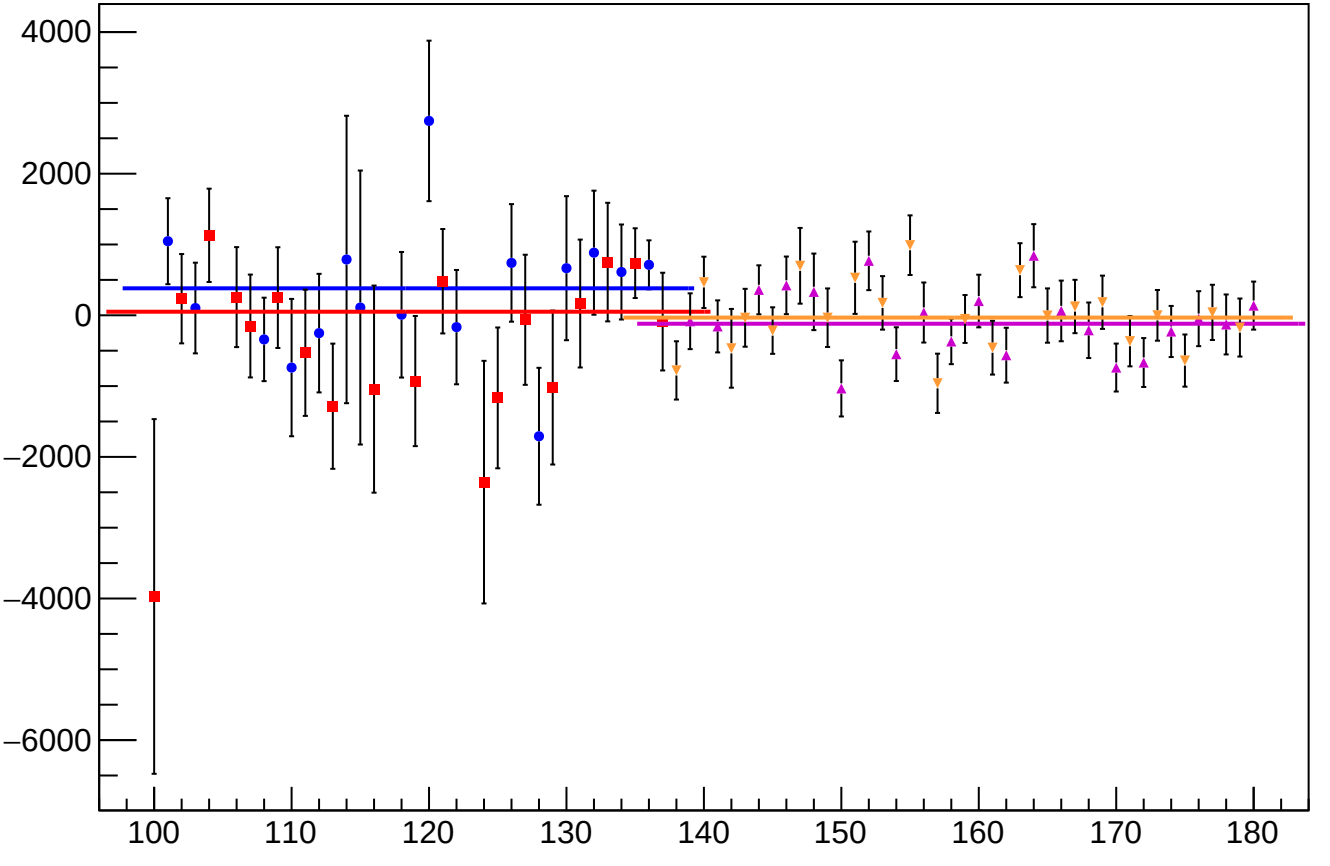
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 368.445+/-0.054 χ^2/NDF:2049339.5/36

Out: 370.787+/-0.054 χ^2/NDF:2136248.1/40

All: 369.620+/-0.038 χ^2/NDF: 4186534.0/77

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -32.363+/-83.733 χ^2/NDF:28.9/21

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -119.376+/-83.736 χ^2/NDF:29.8/20

Left: -75.868+/-59.209 χ^2/NDF: 59.3/42

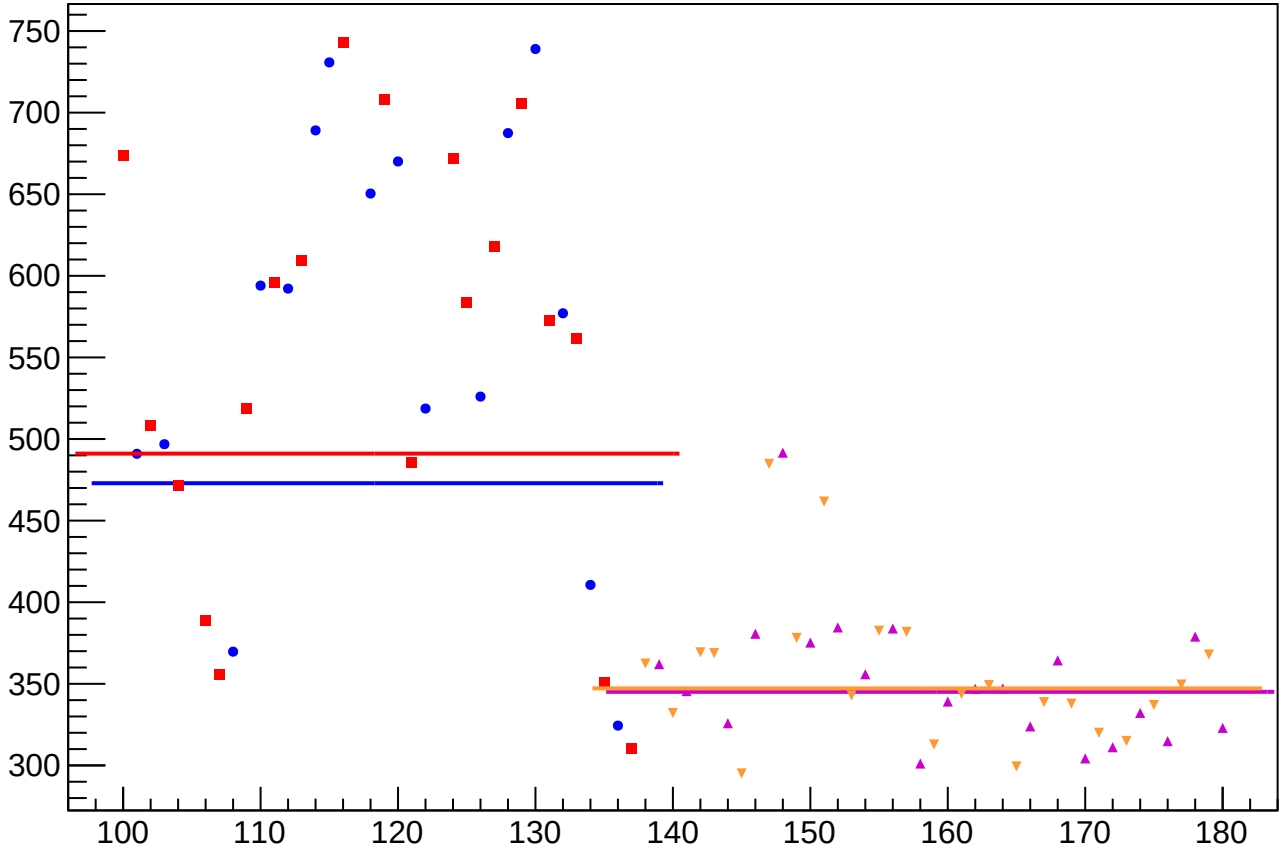
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -32.463+/-76.118 χ^2/NDF:52.2/36

Out: -18.325+/-76.302 χ^2/NDF:46.5/40

All: -25.411+/-53.888 χ^2/NDF: 98.7/77

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 347.196+/-0.059 χ^2/NDF:426269.9/21

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.098+/-0.059 χ^2/NDF:352388.7/20

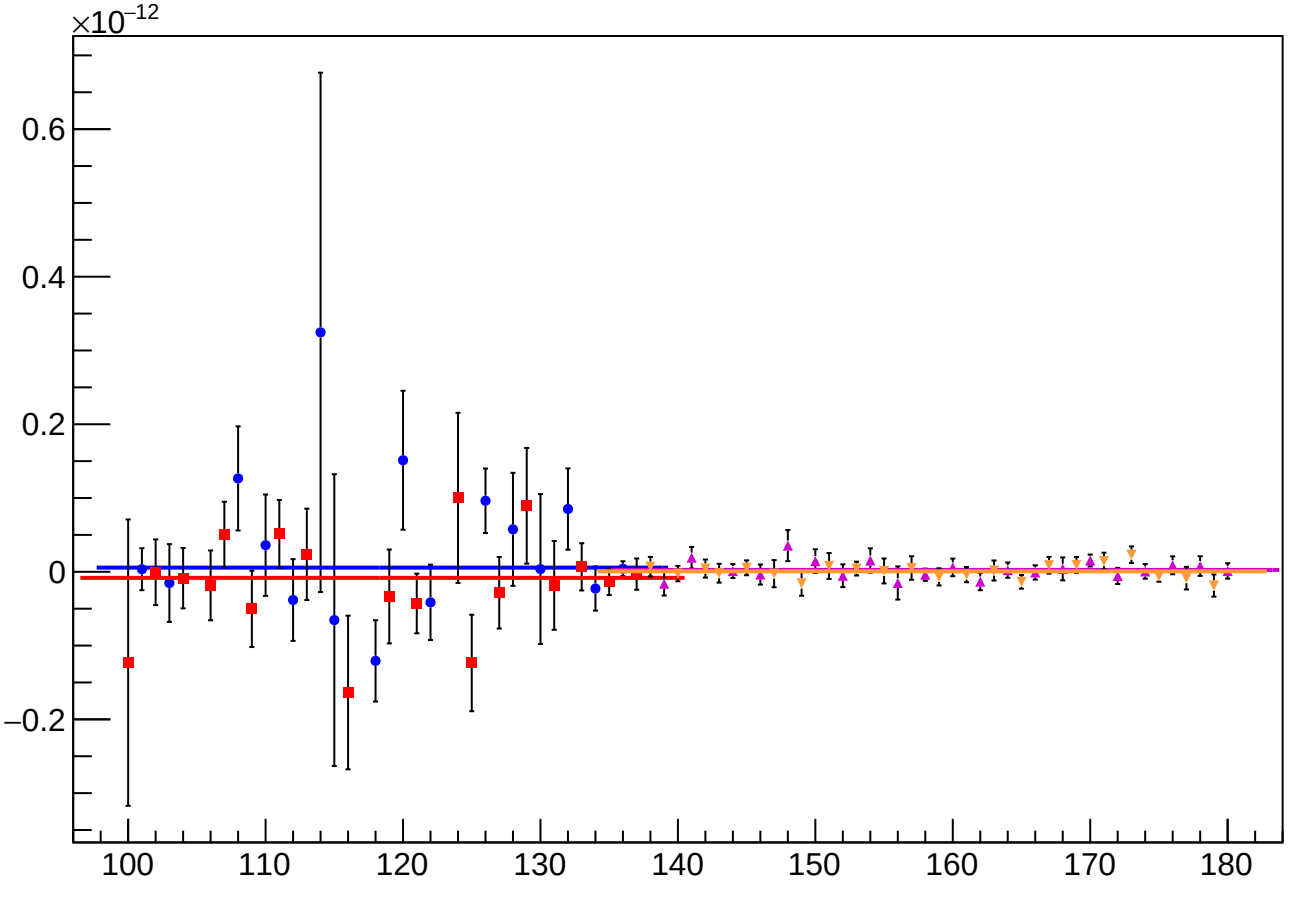
Left: 346.147+/-0.042 χ^2/NDF: 779286.3/42

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 367.297+/-0.054 χ^2/NDF:2162054.8/36

Out: 371.600+/-0.054 χ^2/NDF:2275263.4/40

All: 369.444+/-0.038 χ^2/NDF: 4440505.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

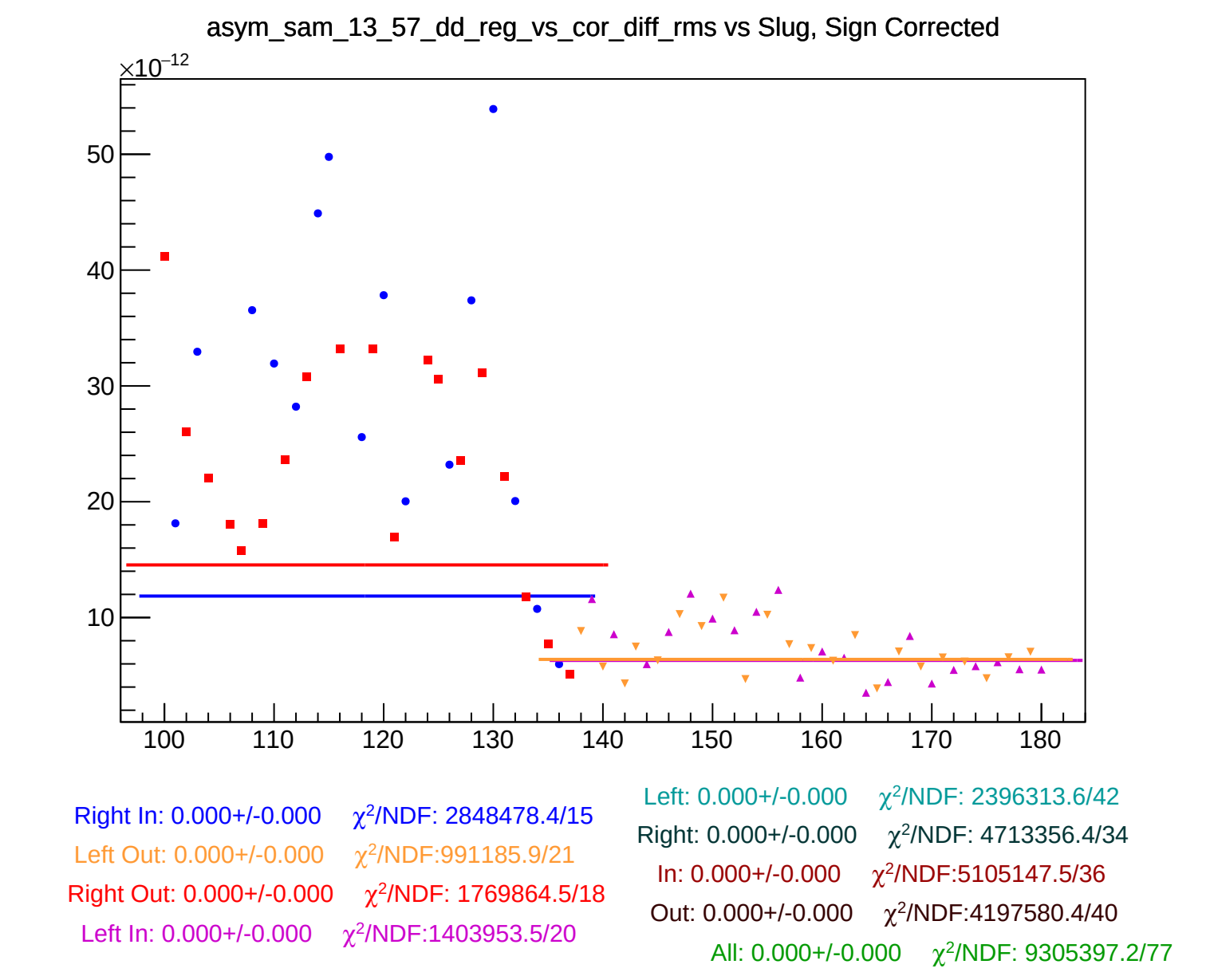
Left: 0.000+/-0.000 χ^2/NDF: 28.4/42

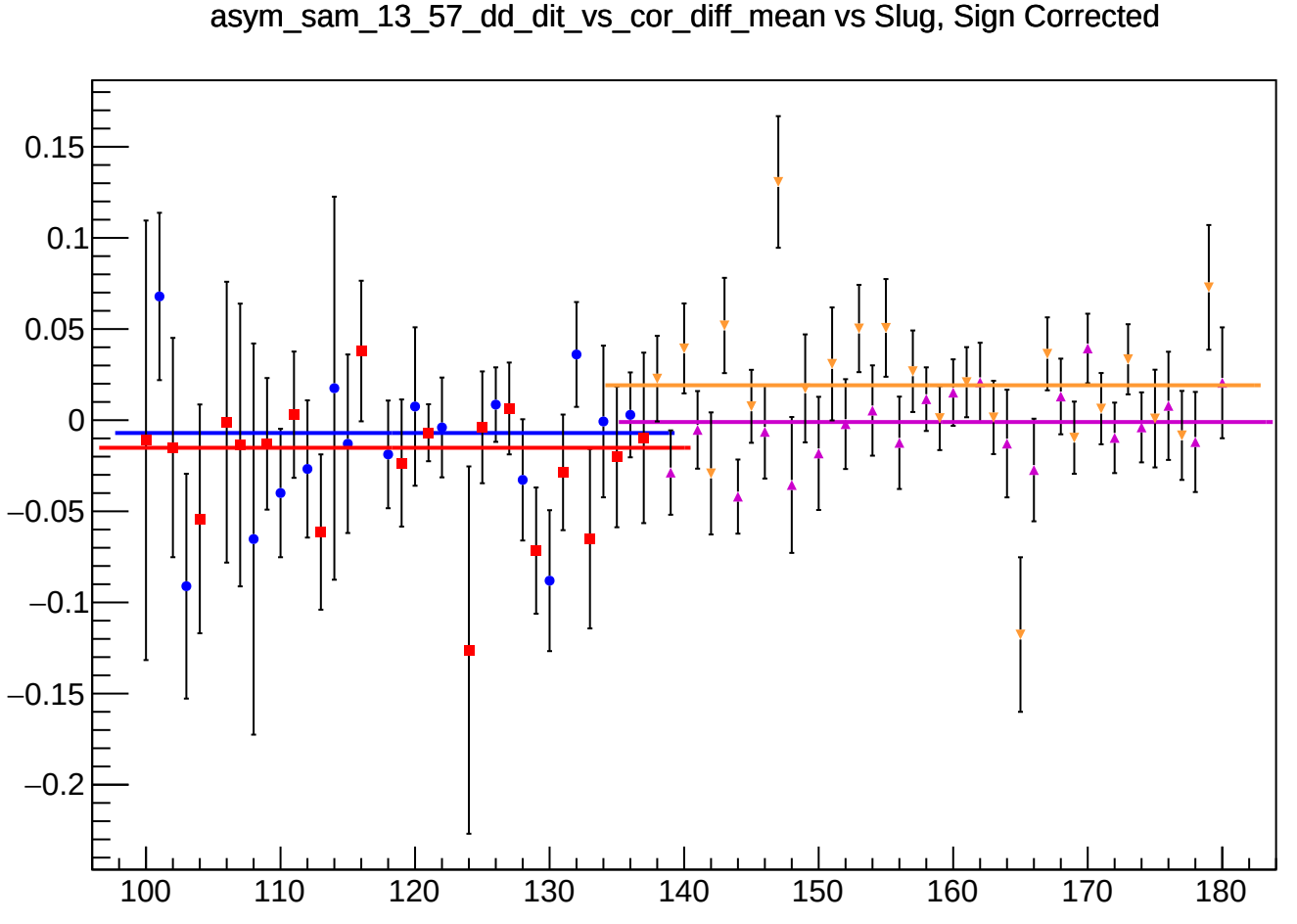
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.8/36

Out: 0.000+/-0.000 χ^2/NDF:29.5/40

All: 0.000+/-0.000 χ^2/NDF: 64.9/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:991185.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1403953.5/20
Left: 0.000+/-0.000 χ²/NDF: 2396313.6/42
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5105147.5/36
Out: 0.000+/-0.000 χ²/NDF:4197580.4/40
All: 0.000+/-0.000 χ²/NDF: 9305397.2/77



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/20

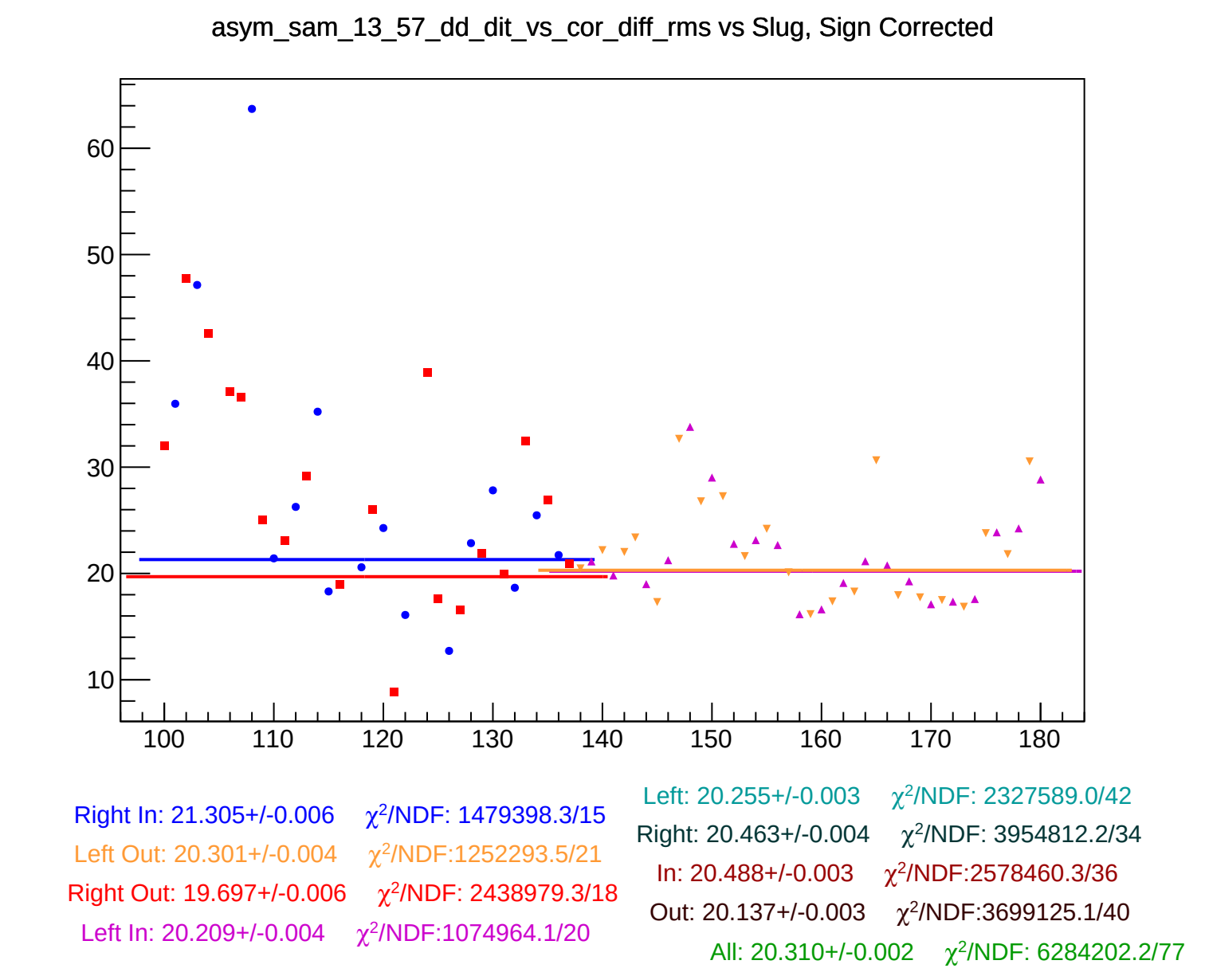
Left: 0.009+/-0.004 χ^2/NDF: 62.1/42

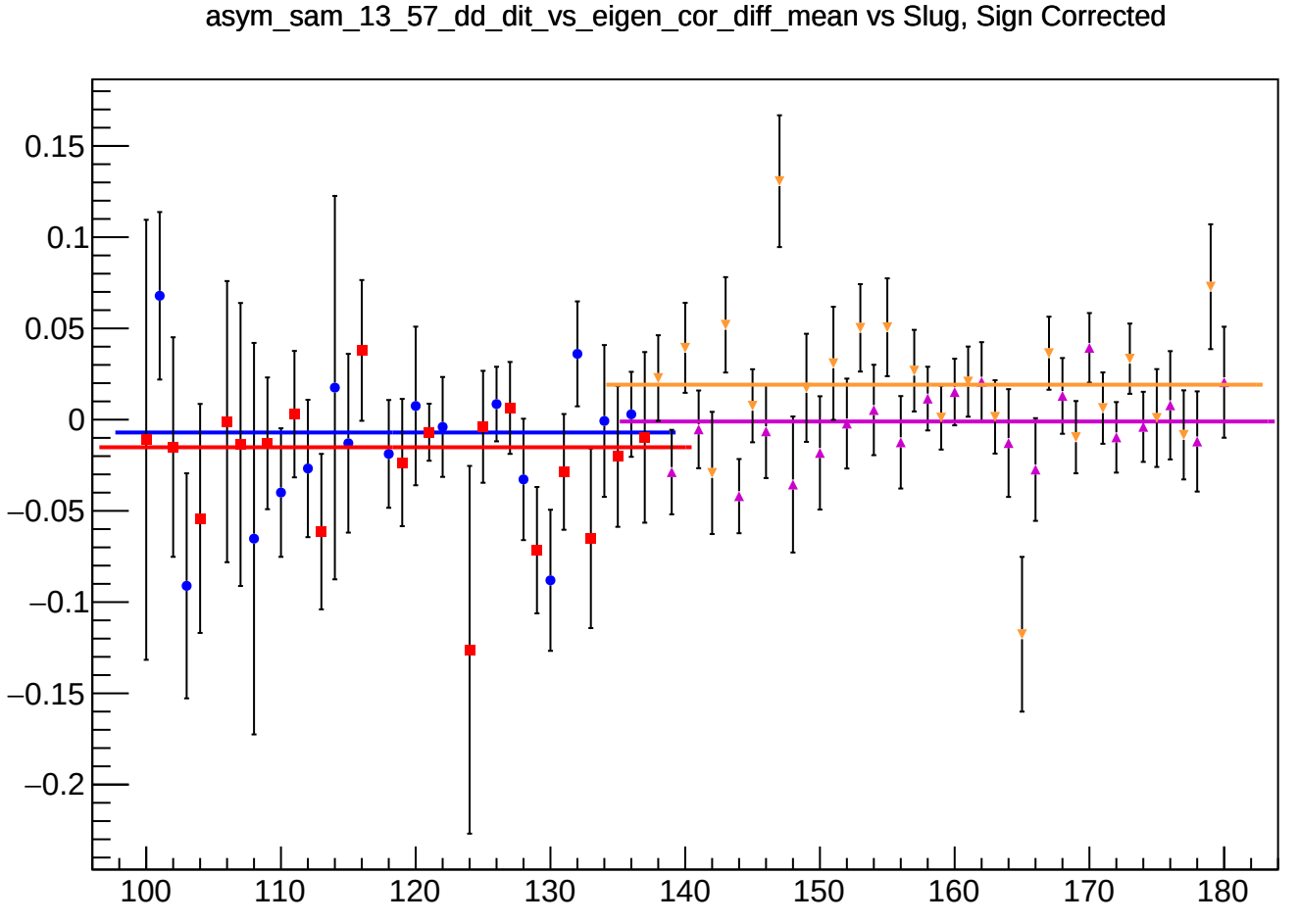
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/36

Out: 0.010+/-0.004 χ^2/NDF:60.6/40

All: 0.004+/-0.003 χ^2/NDF: 95.7/77


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.301+/-0.004 χ²/NDF:1252293.5/21
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.209+/-0.004 χ²/NDF:1074964.1/20
Left: 20.255+/-0.003 χ²/NDF: 2327589.0/42
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.488+/-0.003 χ²/NDF:2578460.3/36
Out: 20.137+/-0.003 χ²/NDF:3699125.1/40
All: 20.310+/-0.002 χ²/NDF: 6284202.2/77



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/20

Left: 0.009+/-0.004 χ^2/NDF: 62.1/42

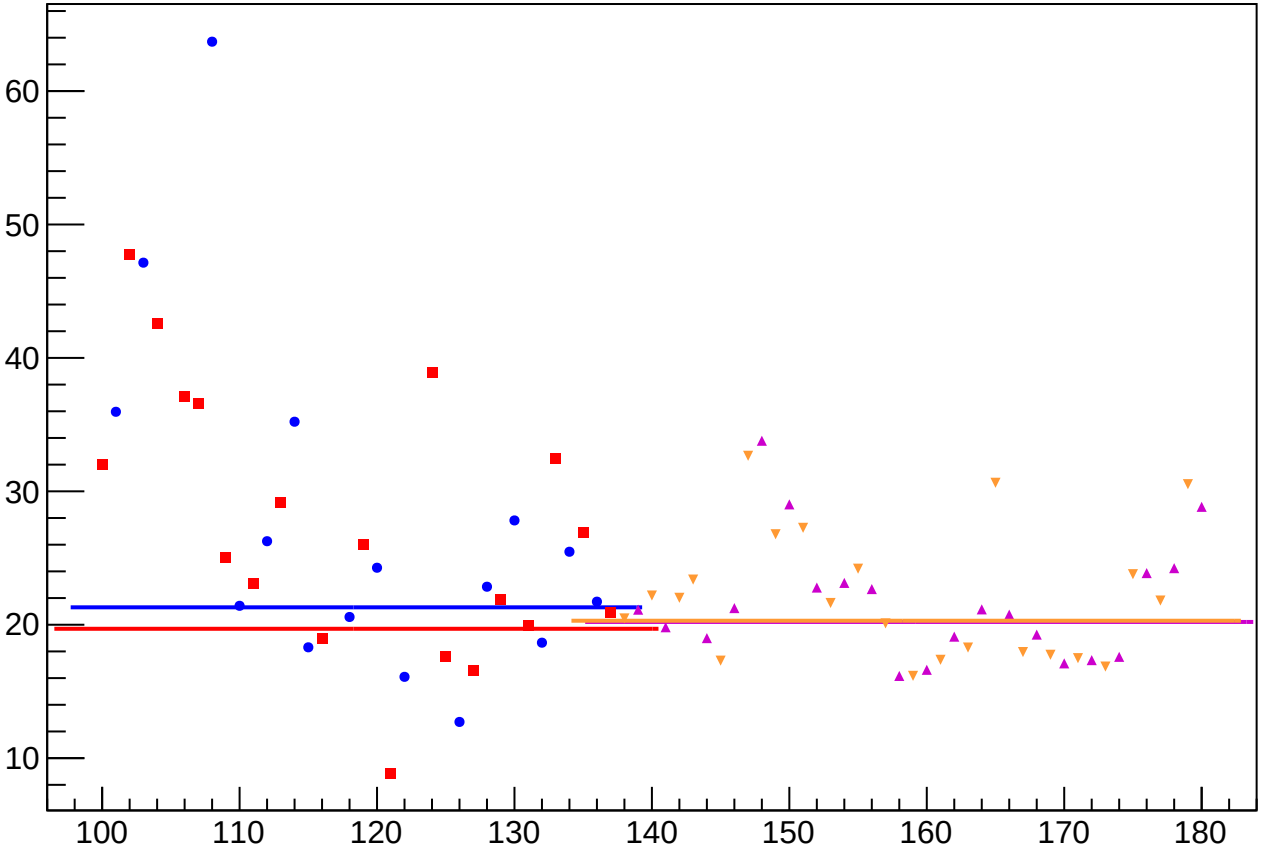
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/36

Out: 0.010+/-0.004 χ^2/NDF:60.6/40

All: 0.004+/-0.003 χ^2/NDF: 95.7/77

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: 20.301+/-0.004 χ^2/NDF:1252293.5/21

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.209+/-0.004 χ^2/NDF:1074964.1/20

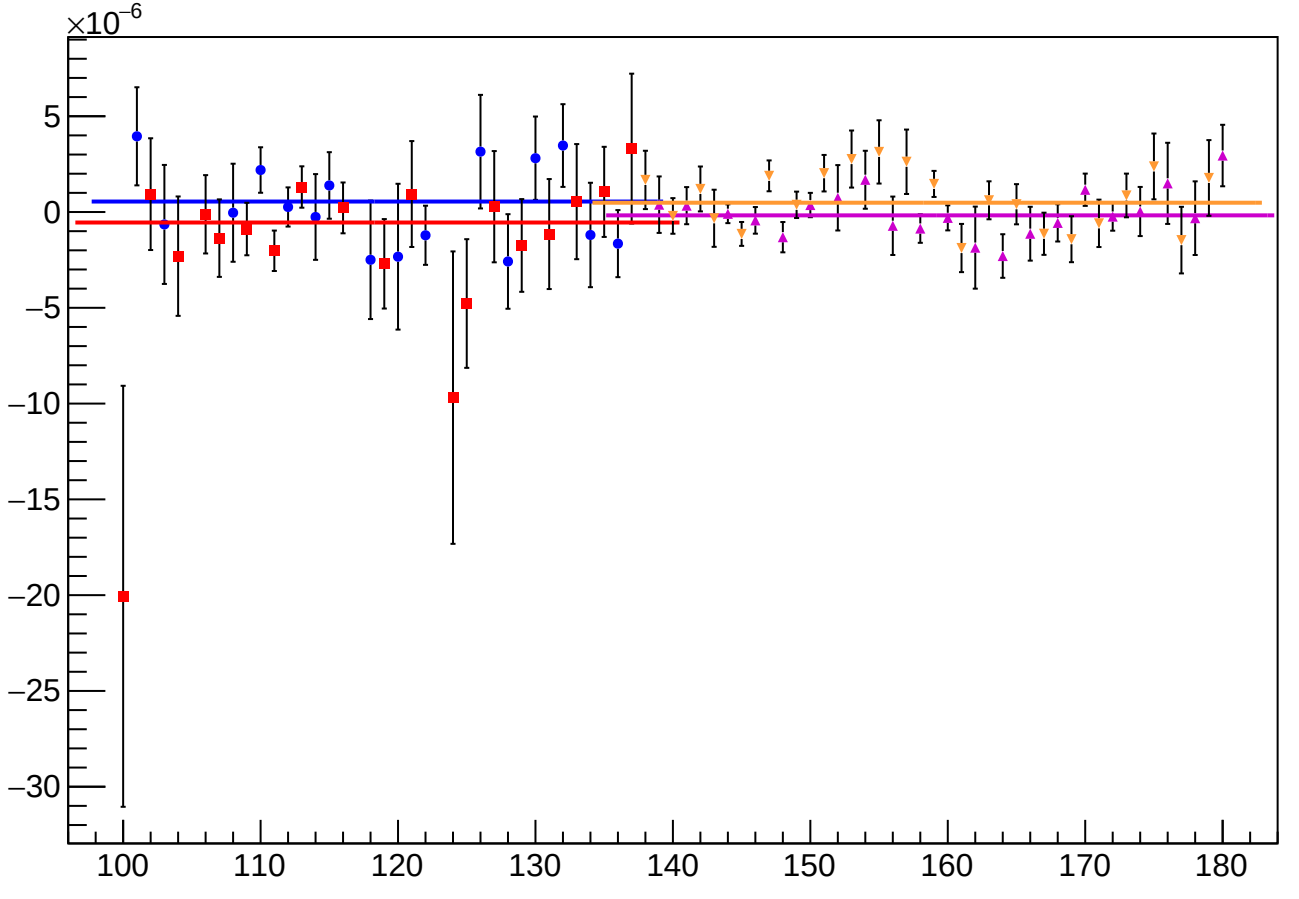
Left: 20.255+/-0.003 χ^2/NDF: 2327589.0/42

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.488+/-0.003 χ^2/NDF:2578460.3/36

Out: 20.137+/-0.003 χ^2/NDF:3699125.1/40

All: 20.310+/-0.002 χ^2/NDF: 6284202.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/20

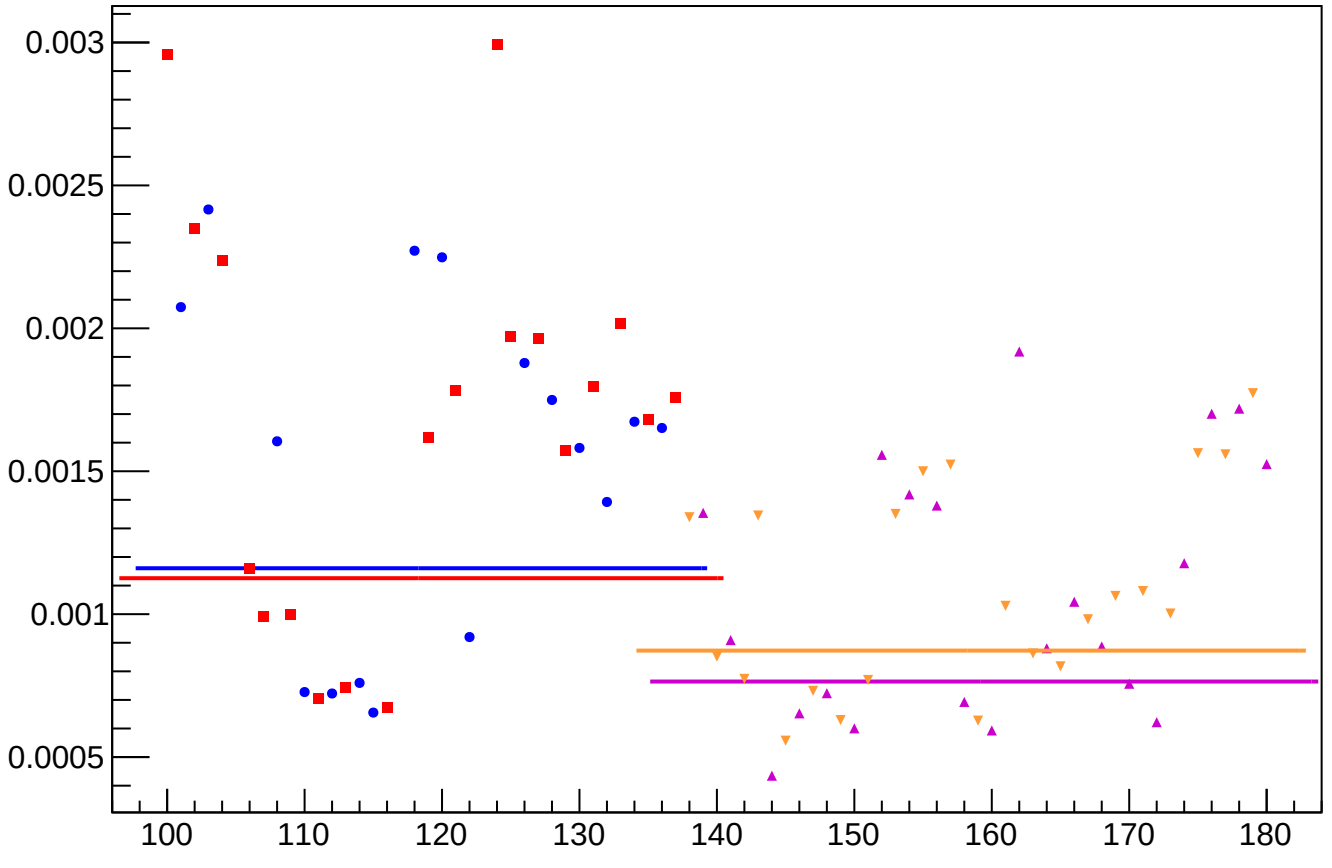
Left: 0.000+/-0.000 χ^2/NDF: 57.6/42

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/36

Out: 0.000+/-0.000 χ^2/NDF:54.4/40

All: 0.000+/-0.000 χ^2/NDF: 90.3/77



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3542339.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:5078047.2/20

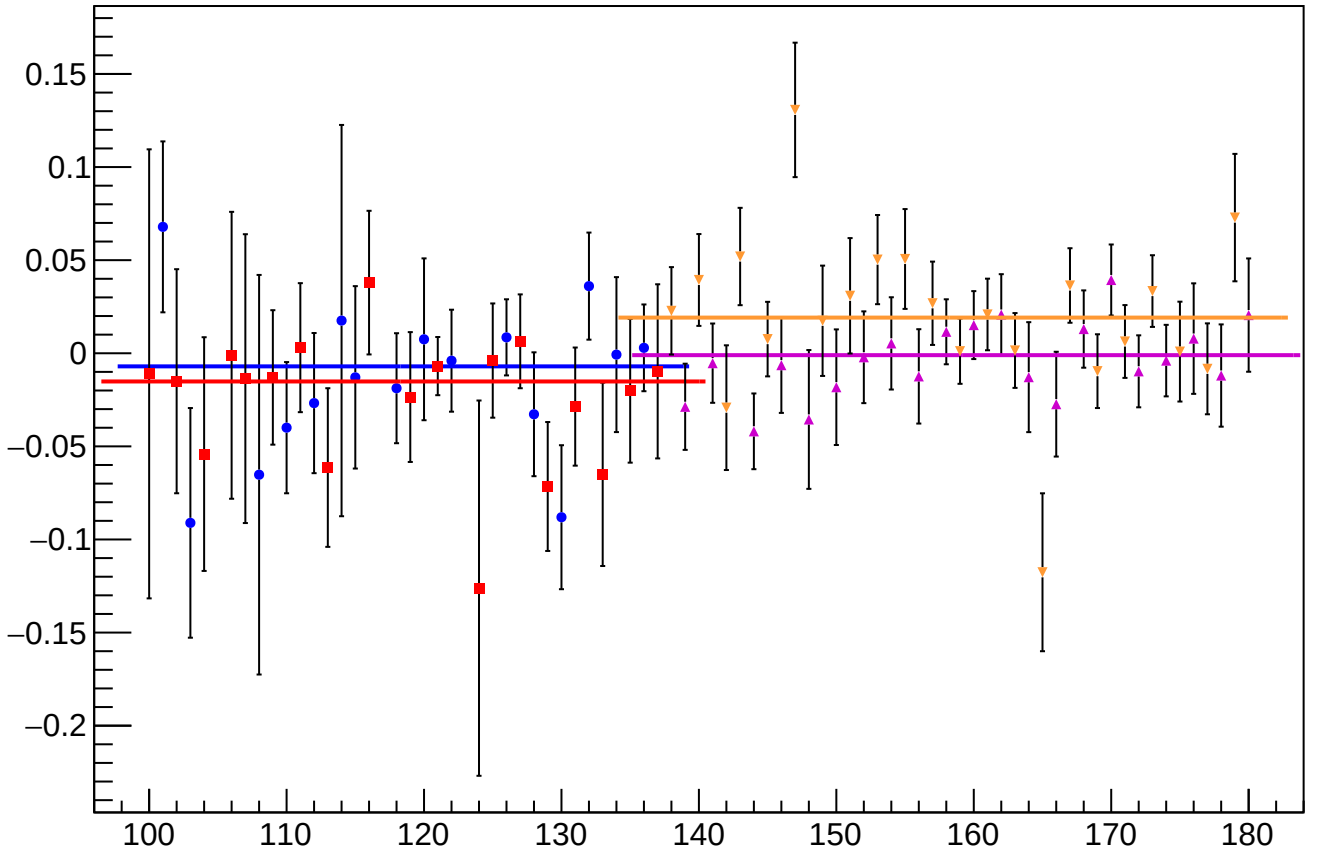
Left: 0.001+/-0.000 χ^2/NDF: 8877354.4/42

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:8776210.2/36

Out: 0.001+/-0.000 χ^2/NDF:6658472.9/40

All: 0.001+/-0.000 χ^2/NDF: 15686013.1/77



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/20

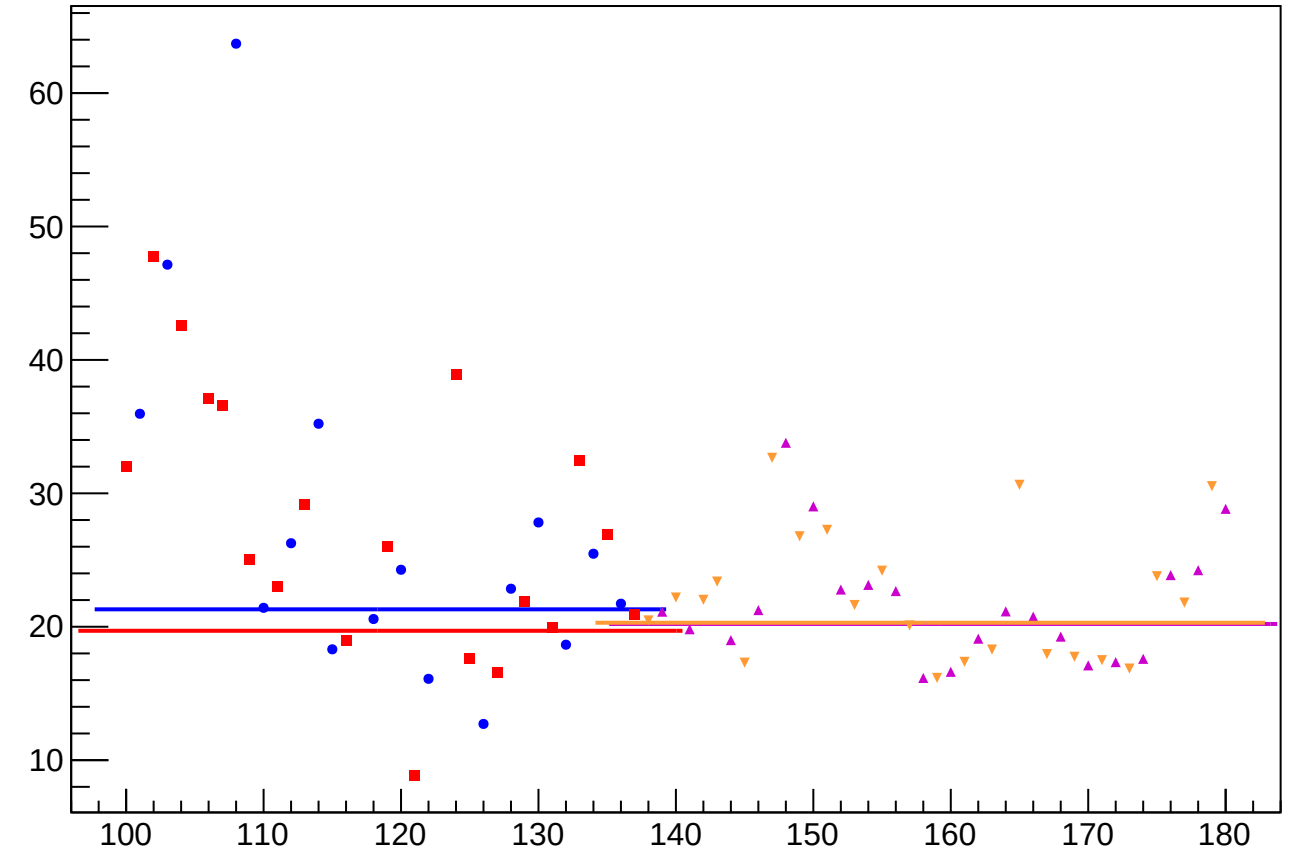
Left: 0.009+/-0.004 χ^2/NDF: 62.1/42

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/36

Out: 0.010+/-0.004 χ^2/NDF:60.6/40

All: 0.004+/-0.003 χ^2/NDF: 95.7/77



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

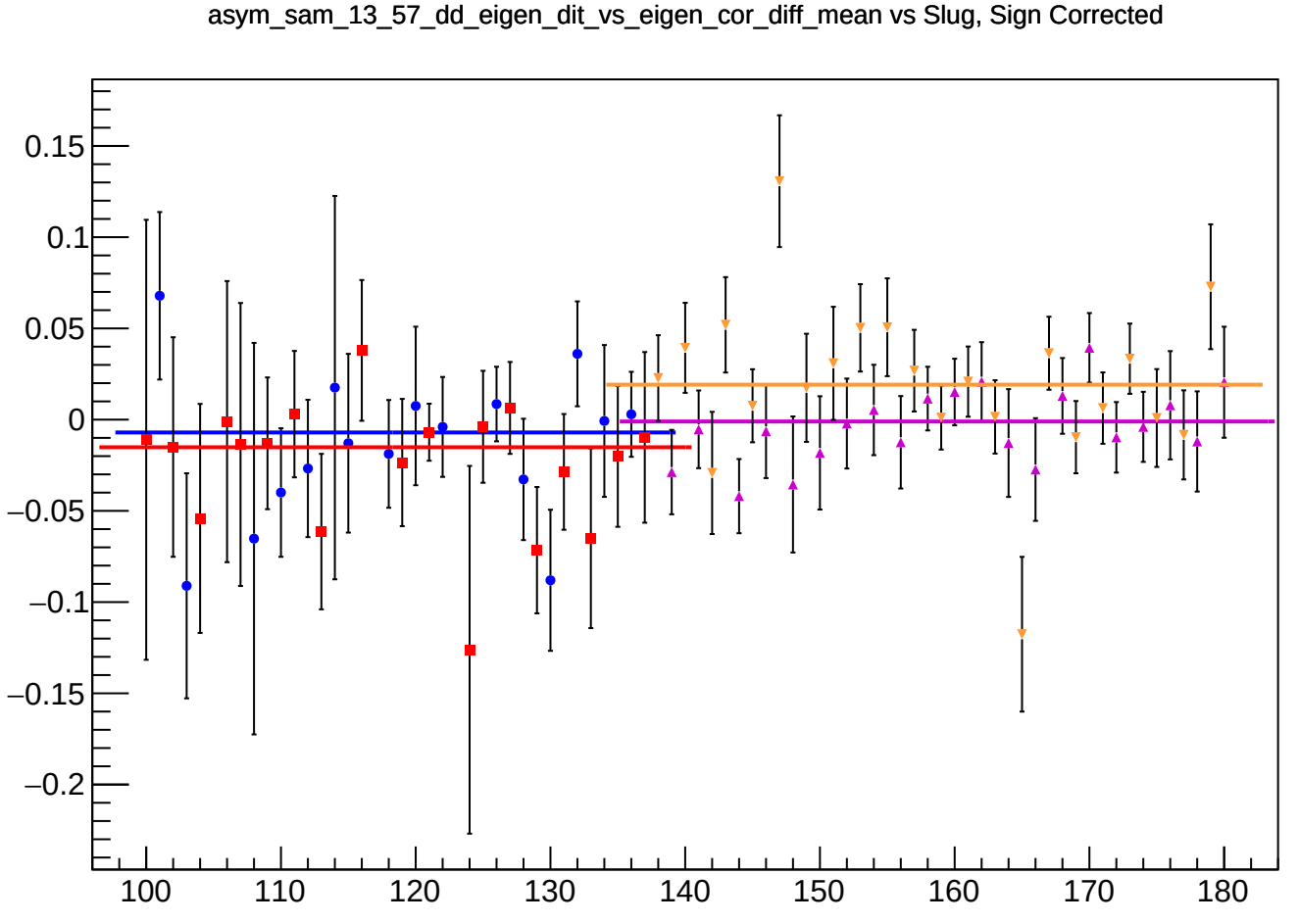
Left: 20.255+/-0.003 χ^2/NDF: 2327772.0/42

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.488+/-0.003 χ^2/NDF:2578358.7/36

Out: 20.137+/-0.003 χ^2/NDF:3698869.5/40

All: 20.310+/-0.002 χ^2/NDF: 6283842.9/77



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:16.3/20

Left: 0.009+/-0.004 χ^2/NDF: 62.1/42

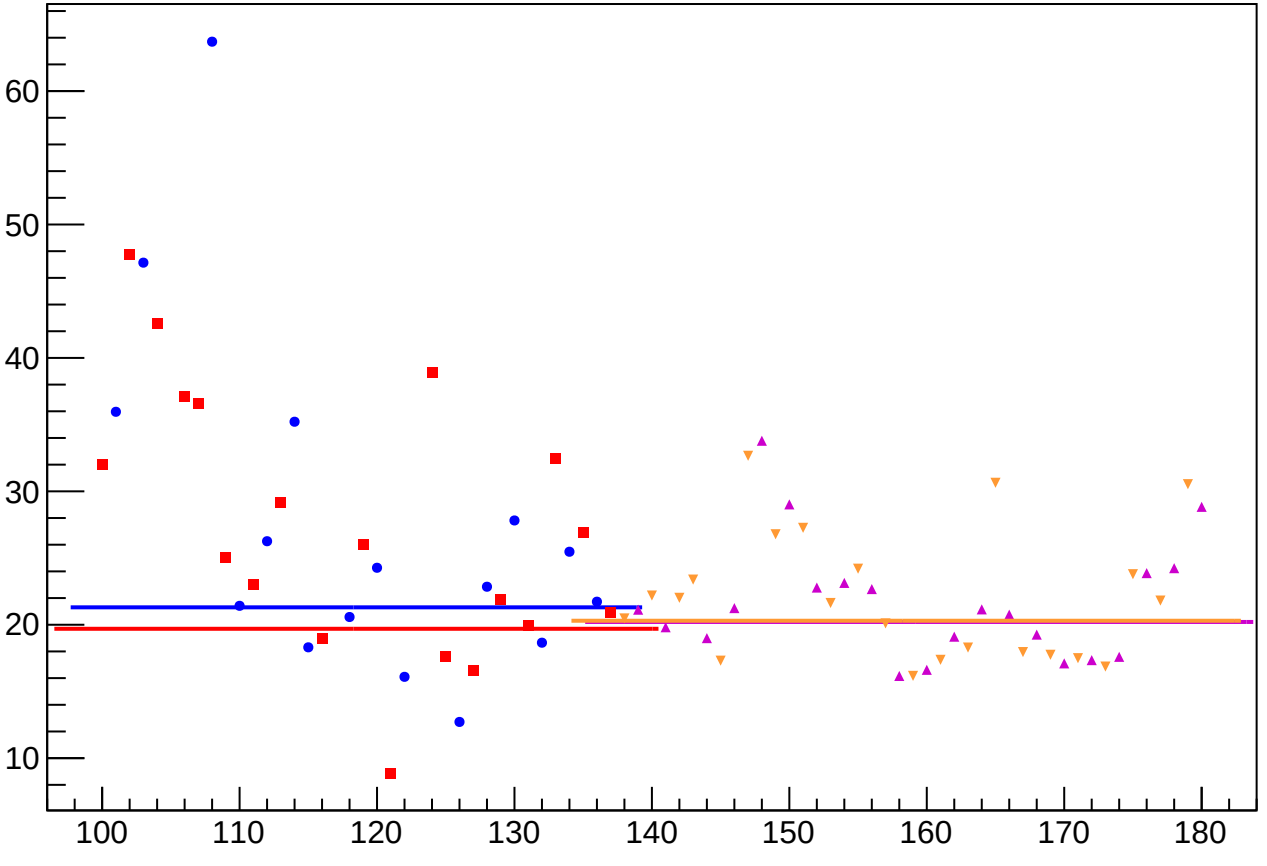
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:31.0/36

Out: 0.010+/-0.004 χ^2/NDF:60.6/40

All: 0.004+/-0.003 χ^2/NDF: 95.7/77

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: 20.301+/-0.004 χ^2/NDF:1252423.0/21

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.209+/-0.004 χ^2/NDF:1075018.1/20

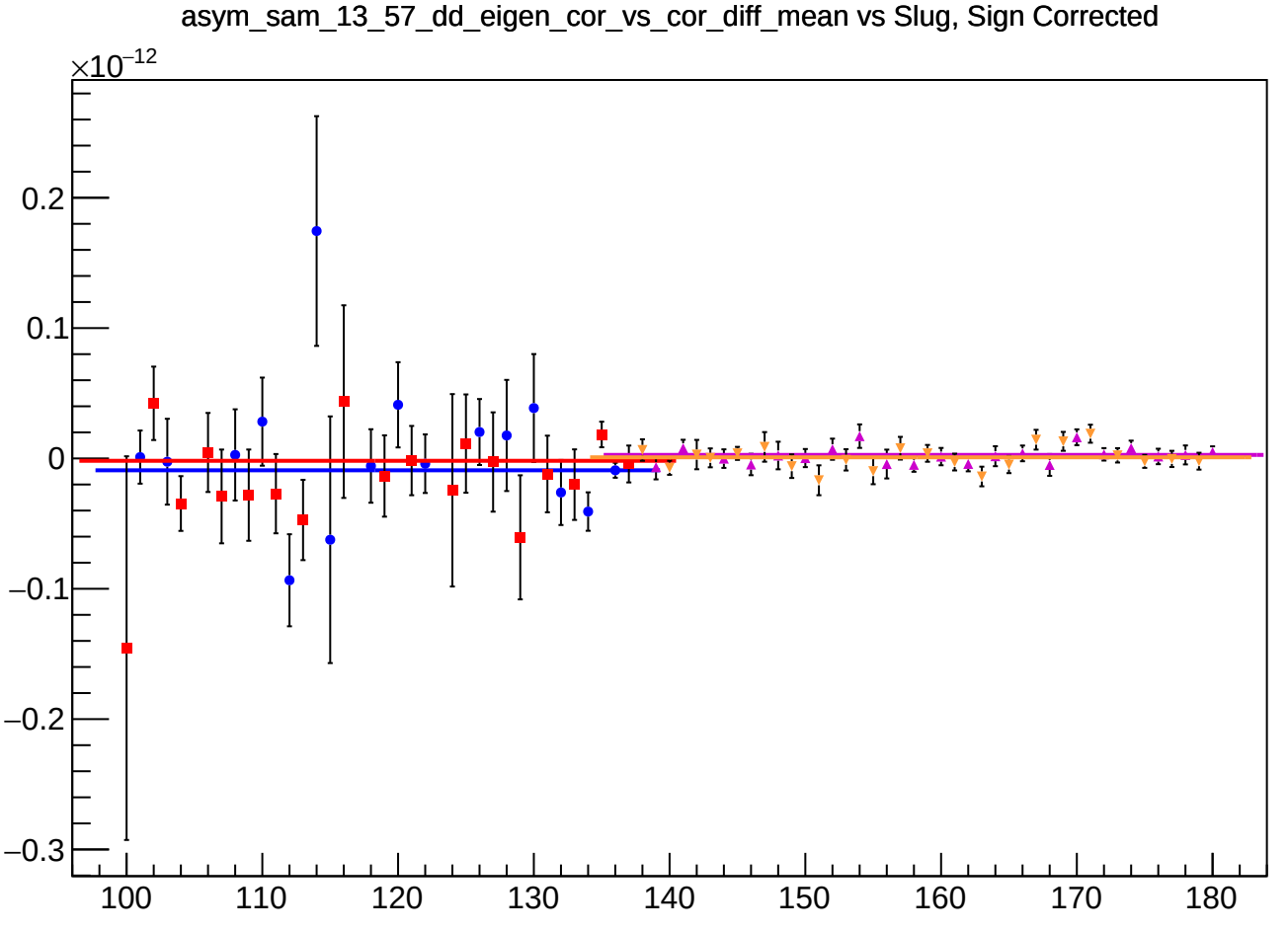
Left: 20.255+/-0.003 χ^2/NDF: 2327772.0/42

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.488+/-0.003 χ^2/NDF:2578358.7/36

Out: 20.137+/-0.003 χ^2/NDF:3698869.5/40

All: 20.310+/-0.002 χ^2/NDF: 6283842.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/20

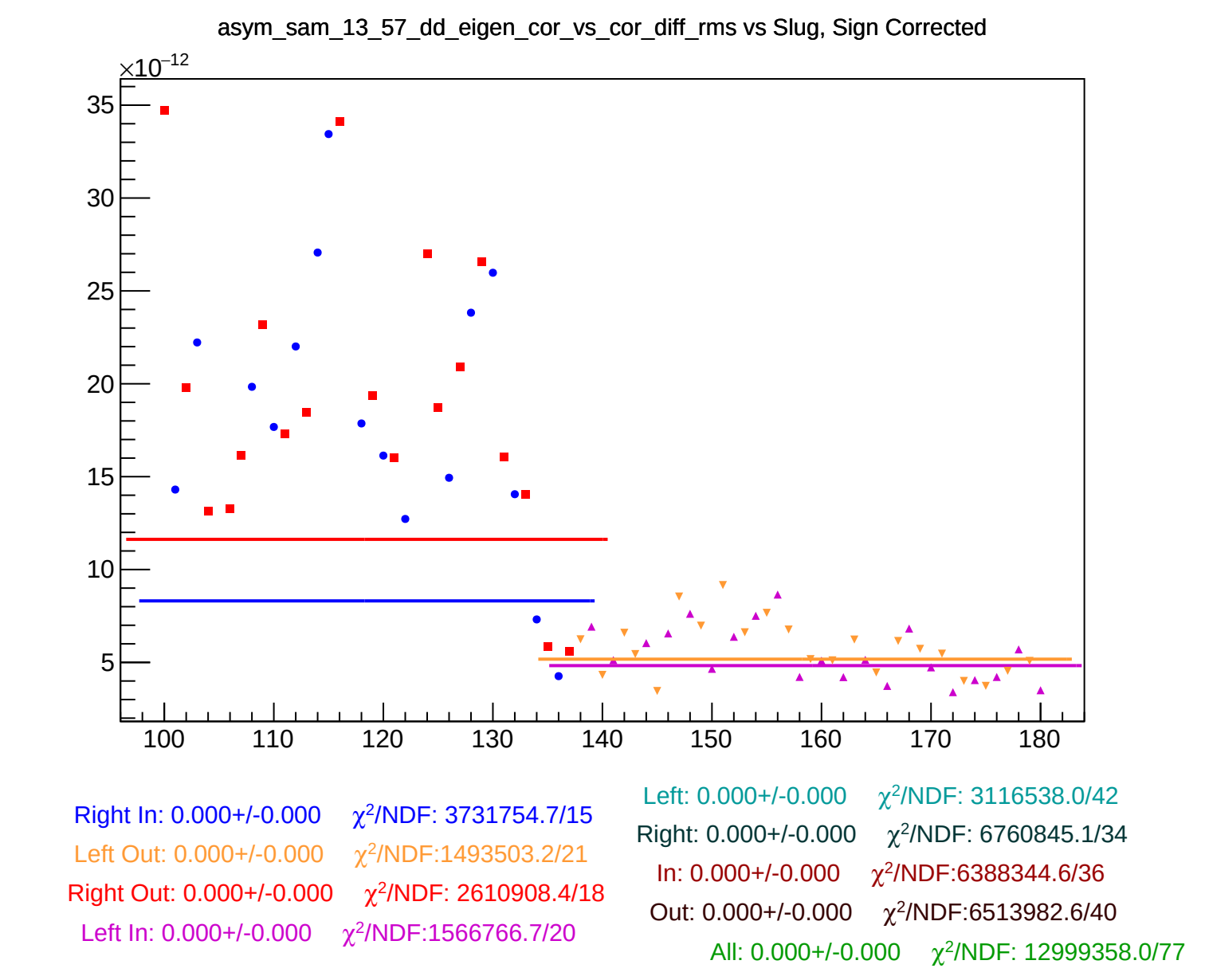
Left: 0.000+/-0.000 χ^2/NDF: 44.3/42

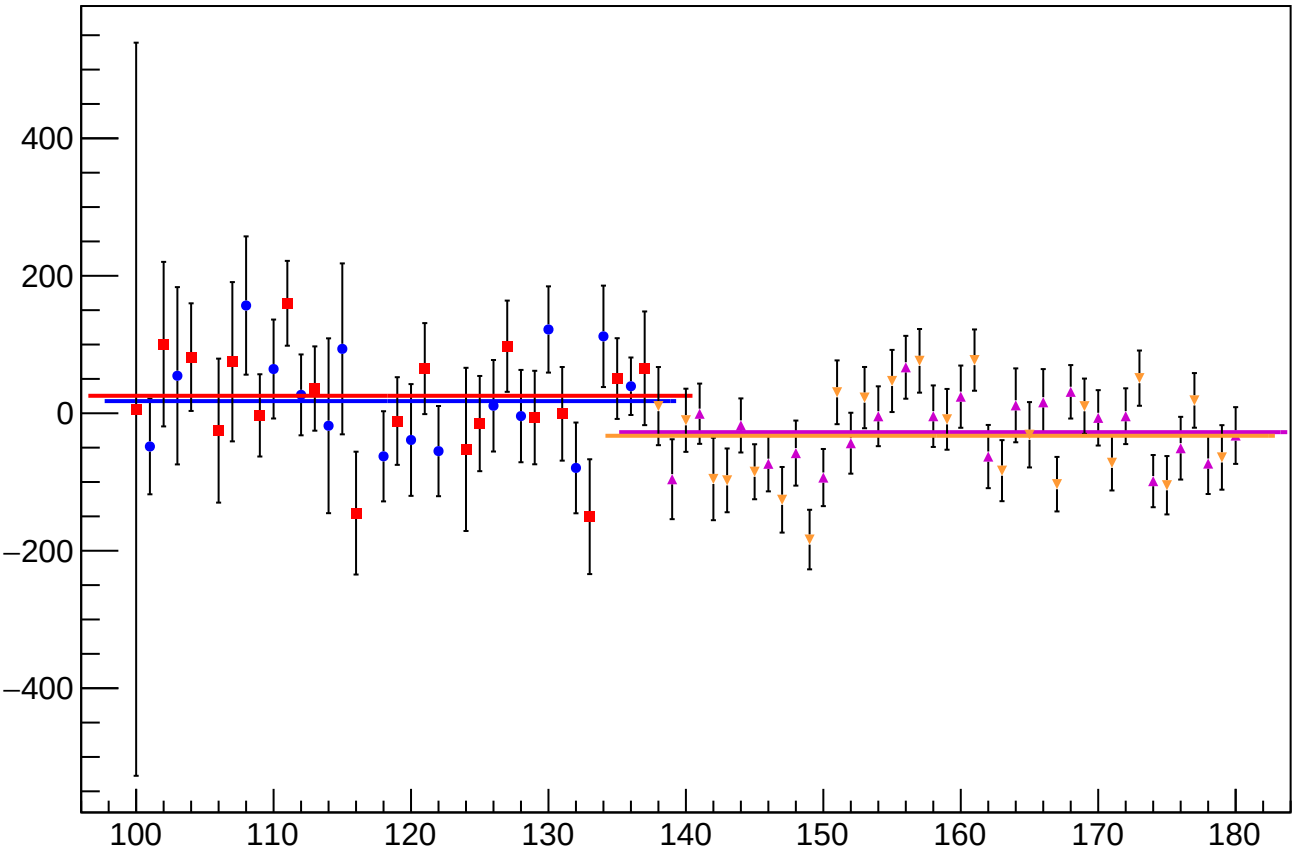
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:45.3/36

Out: 0.000+/-0.000 χ^2/NDF:44.2/40

All: 0.000+/-0.000 χ^2/NDF: 89.8/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1493503.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1566766.7/20
Left: 0.000+/-0.000 χ²/NDF: 3116538.0/42
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:6388344.6/36
Out: 0.000+/-0.000 χ²/NDF:6513982.6/40
All: 0.000+/-0.000 χ²/NDF: 12999358.0/77



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.735+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -27.477+/-9.530 χ^2/NDF:22.0/20

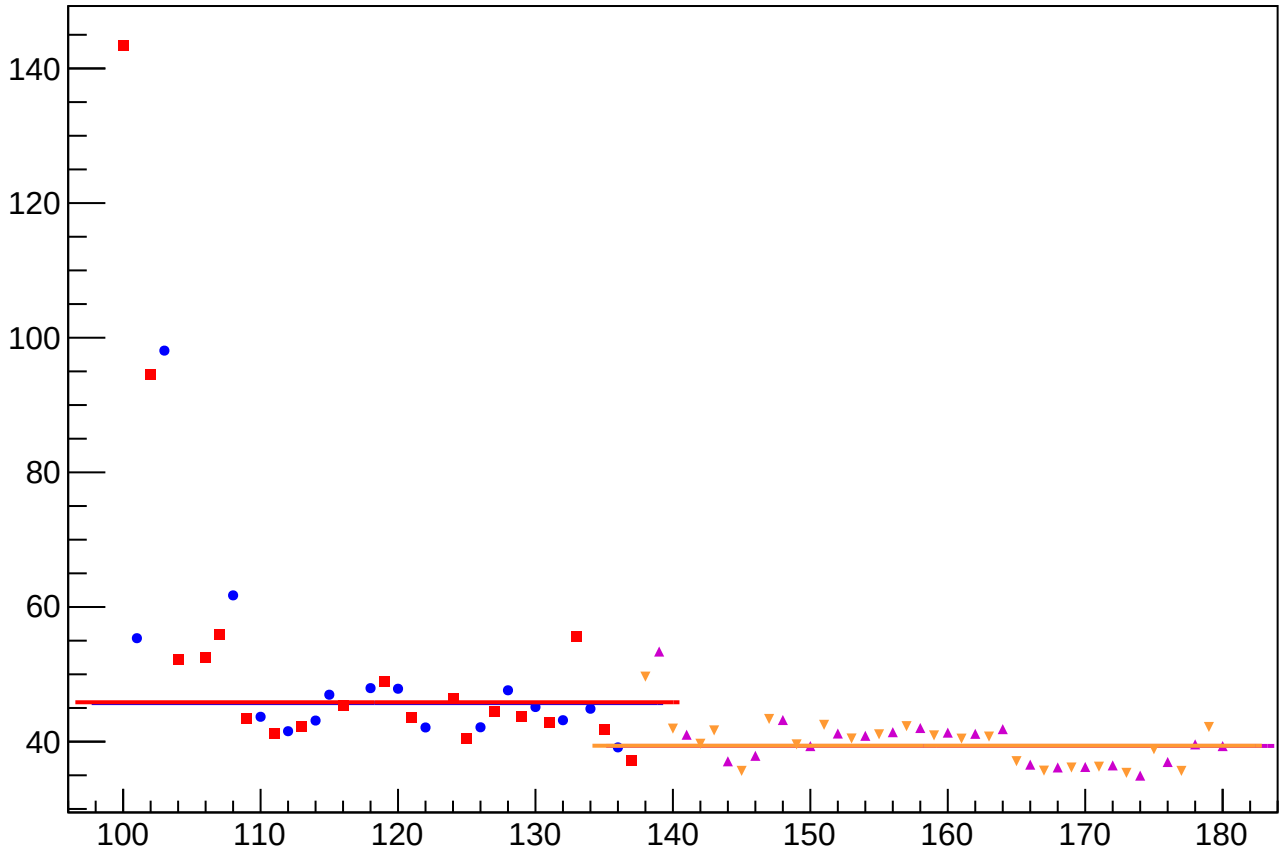
Left: -30.122+/-6.719 χ^2/NDF: 78.0/42

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -17.117+/-8.366 χ^2/NDF:41.1/36

Out: -19.357+/-8.314 χ^2/NDF:82.4/40

All: -18.244+/-5.897 χ^2/NDF: 123.5/77



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

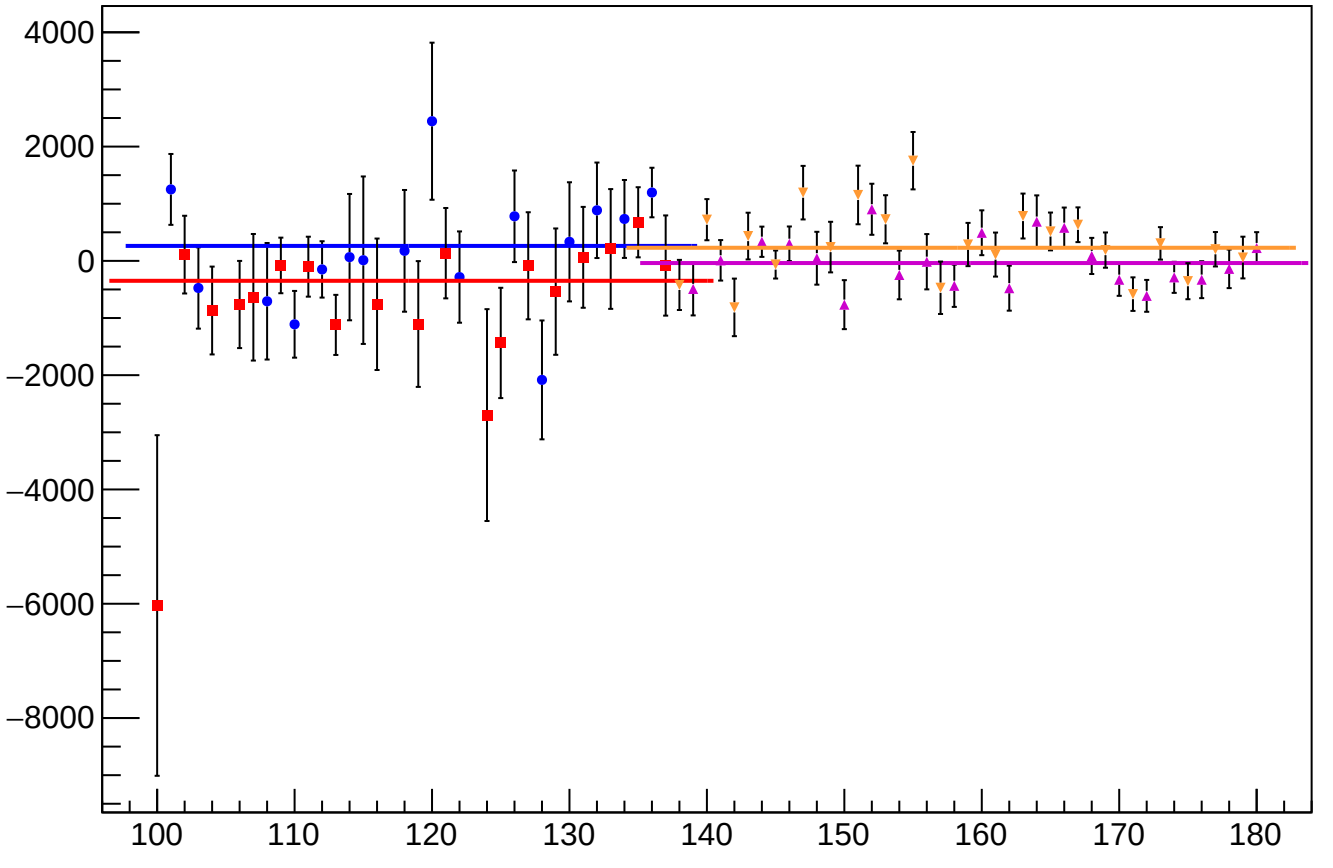
Left: 39.378+/-0.005 χ^2/NDF: 470668.3/42

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.821+/-0.006 χ^2/NDF:950893.0/36

Out: 40.878+/-0.006 χ^2/NDF:979511.0/40

All: 40.850+/-0.004 χ^2/NDF: 1930450.7/77



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 229.337+/-76.594 χ^2/NDF:46.5/21

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -37.853+/-75.361 χ^2/NDF:29.7/20

Left: 93.573+/-53.719 χ^2/NDF: 82.3/42

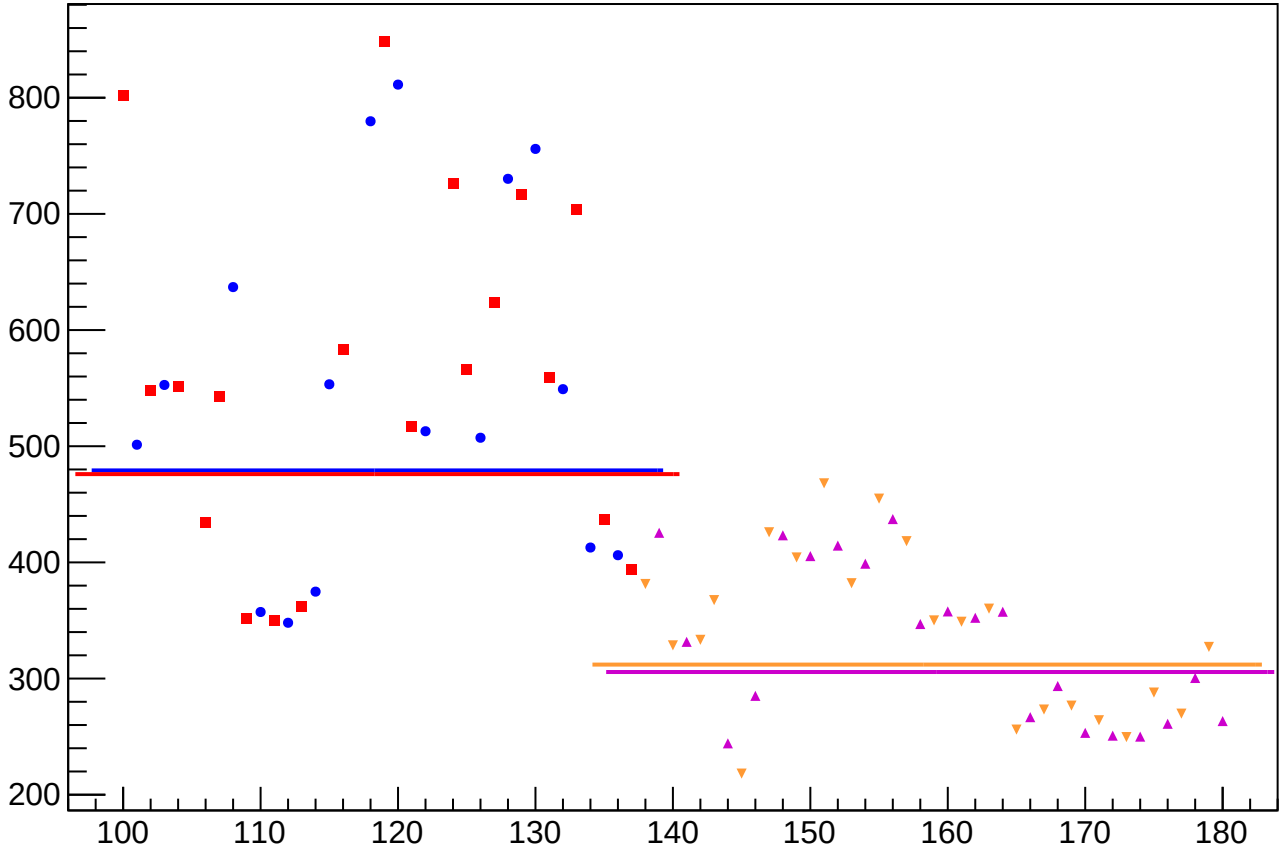
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 4.731+/-69.804 χ^2/NDF:56.9/36

Out: 141.286+/-70.519 χ^2/NDF:70.1/40

All: 72.312+/-49.610 χ^2/NDF: 128.8/77

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490103.4/21

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 305.629+/-0.053 χ^2/NDF:1317501.2/20

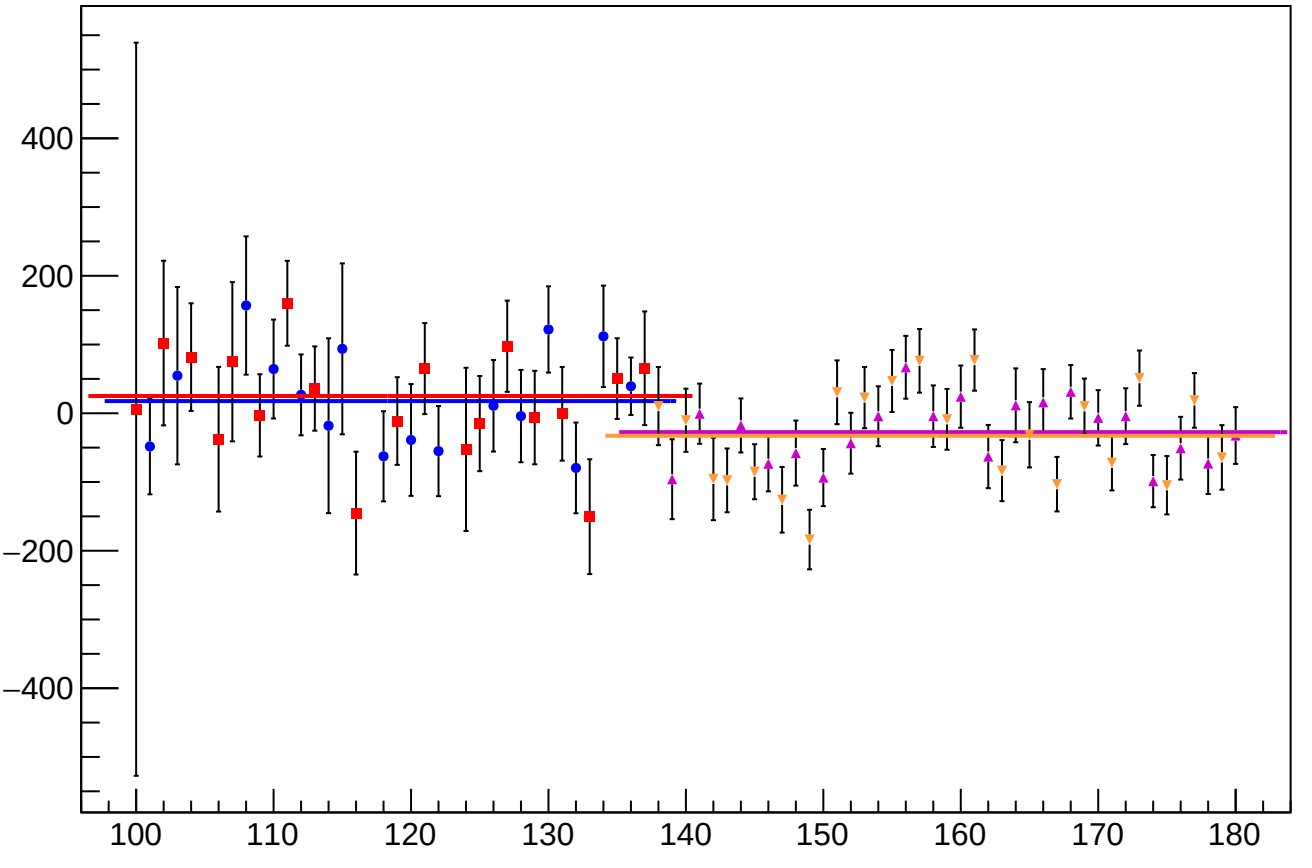
Left: 308.773+/-0.038 χ^2/NDF: 2814682.2/42

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 330.281+/-0.049 χ^2/NDF:3776815.3/36

Out: 336.999+/-0.050 χ^2/NDF:3892827.3/40

All: 333.606+/-0.035 χ^2/NDF: 7678811.3/77



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.477+/-9.530 χ^2/NDF:22.0/20

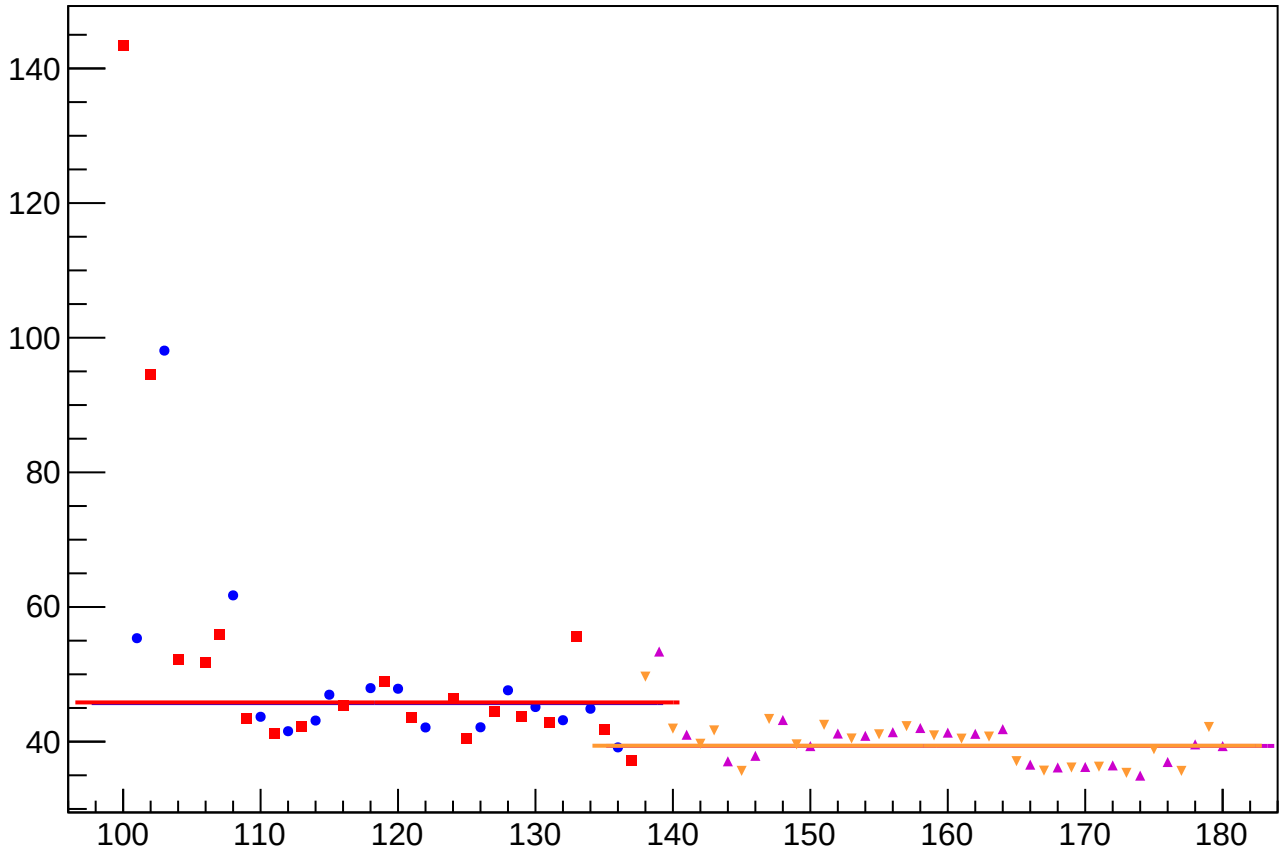
Left: -30.122+/-6.719 χ^2/NDF: 78.0/42

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.115+/-8.366 χ^2/NDF:41.1/36

Out: -19.428+/-8.314 χ^2/NDF:82.5/40

All: -18.279+/-5.897 χ^2/NDF: 123.6/77



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

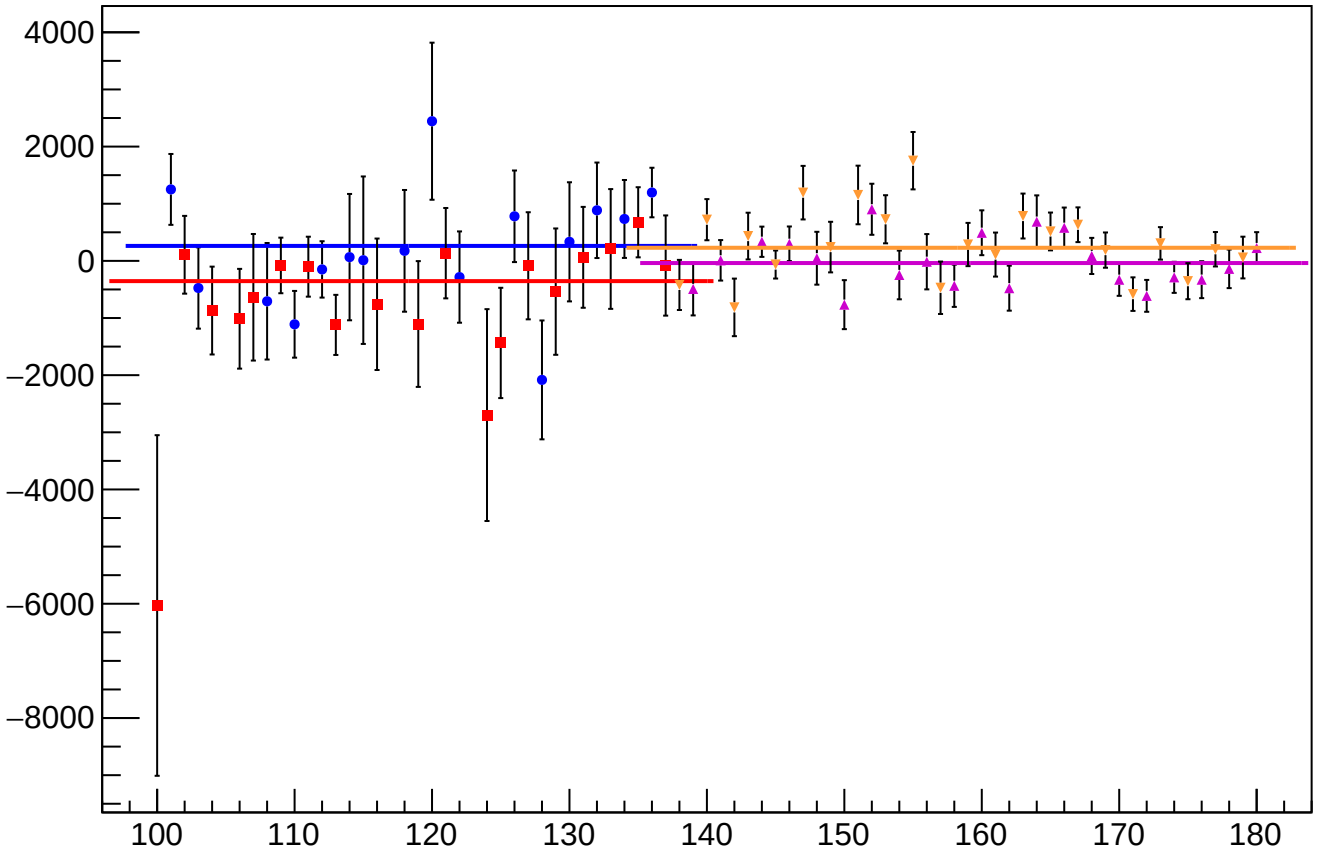
Left: 39.378+/-0.005 χ^2/NDF: 470668.3/42

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.821+/-0.006 χ^2/NDF:950896.0/36

Out: 40.873+/-0.006 χ^2/NDF:976206.5/40

All: 40.847+/-0.004 χ^2/NDF: 1927140.2/77



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -37.852+/-75.361 χ^2/NDF:29.7/20

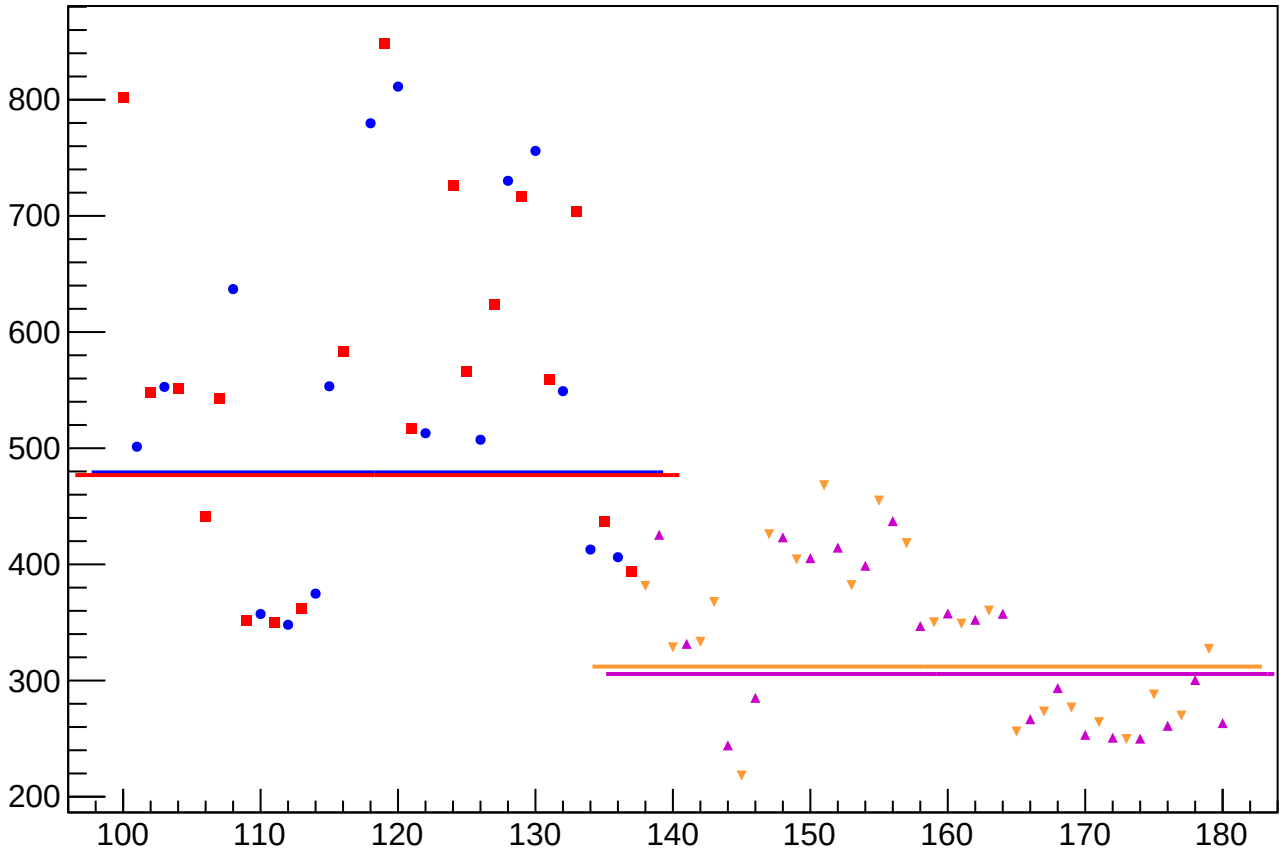
Left: 93.573+/-53.719 χ^2/NDF: 82.3/42

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 4.733+/-69.804 χ^2/NDF:56.9/36

Out: 141.454+/-70.591 χ^2/NDF:70.4/40

All: 72.326+/-49.635 χ^2/NDF: 129.2/77



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

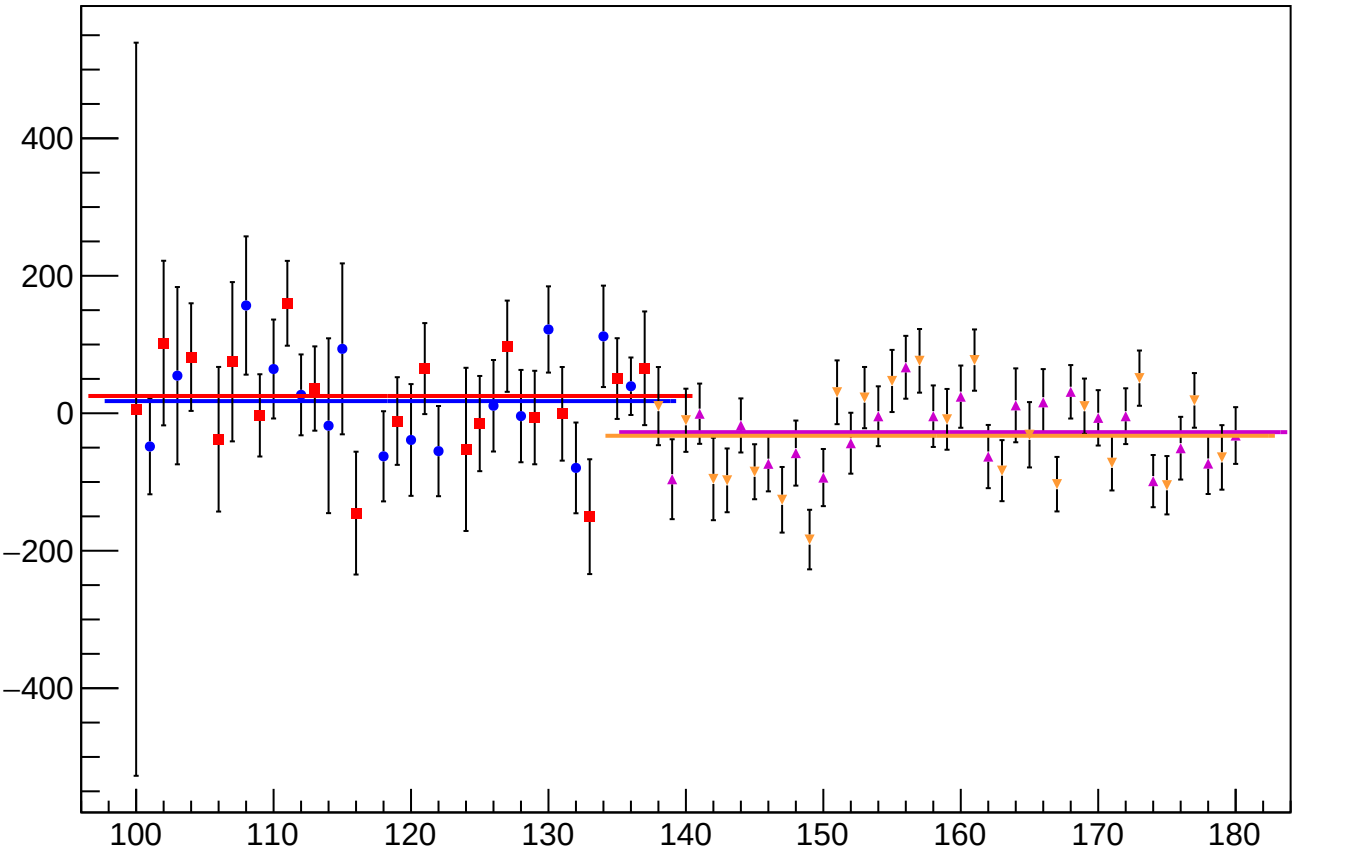
Left: 308.773+/-0.038 χ^2/NDF: 2814689.5/42

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 330.281+/-0.049 χ^2/NDF:3776879.3/36

Out: 336.851+/-0.050 χ^2/NDF:3889452.6/40

All: 333.529+/-0.035 χ^2/NDF: 7675092.0/77



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.477+/-9.530 χ^2/NDF:22.0/20

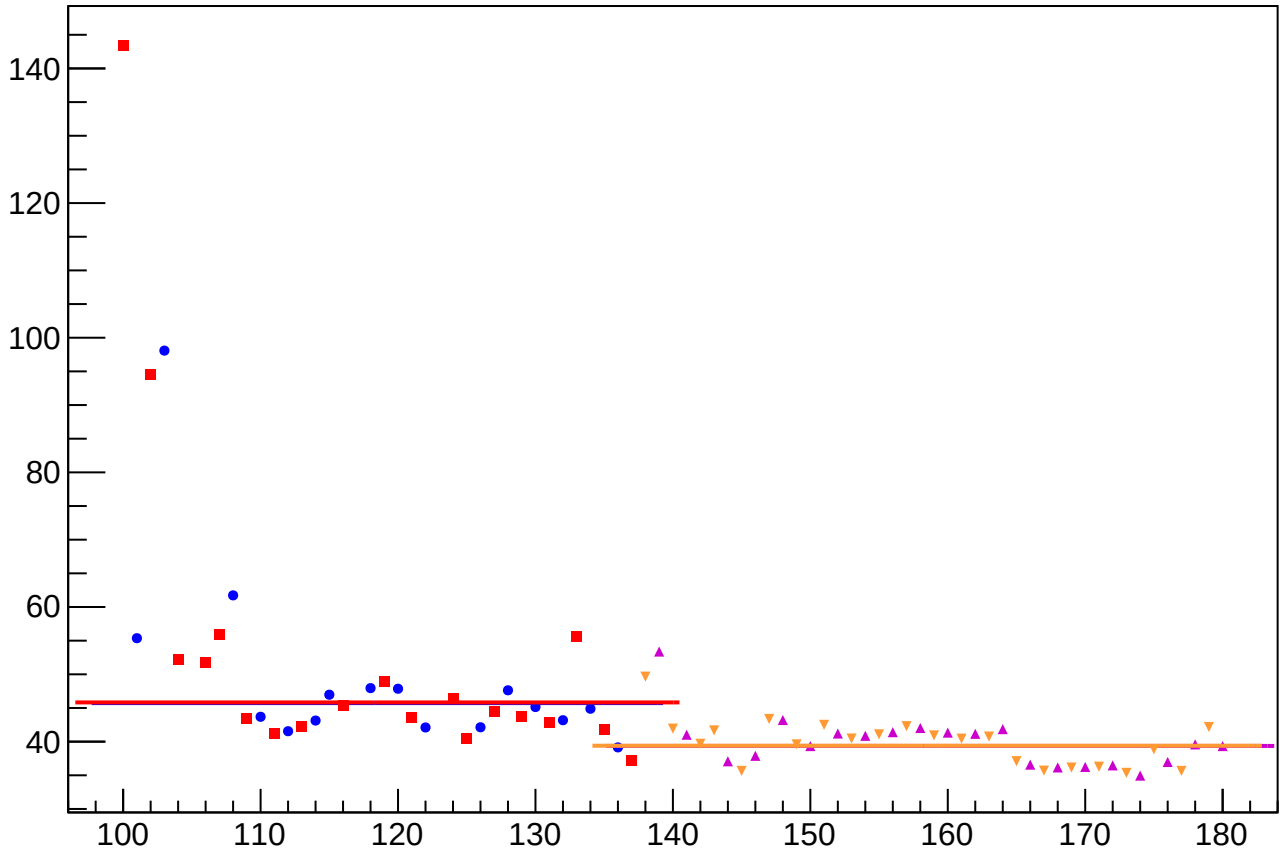
Left: -30.122+/-6.719 χ^2/NDF: 78.0/42

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.115+/-8.366 χ^2/NDF:41.1/36

Out: -19.428+/-8.314 χ^2/NDF:82.5/40

All: -18.279+/-5.897 χ^2/NDF: 123.6/77



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.362+/-0.007 χ^2/NDF:244827.8/20

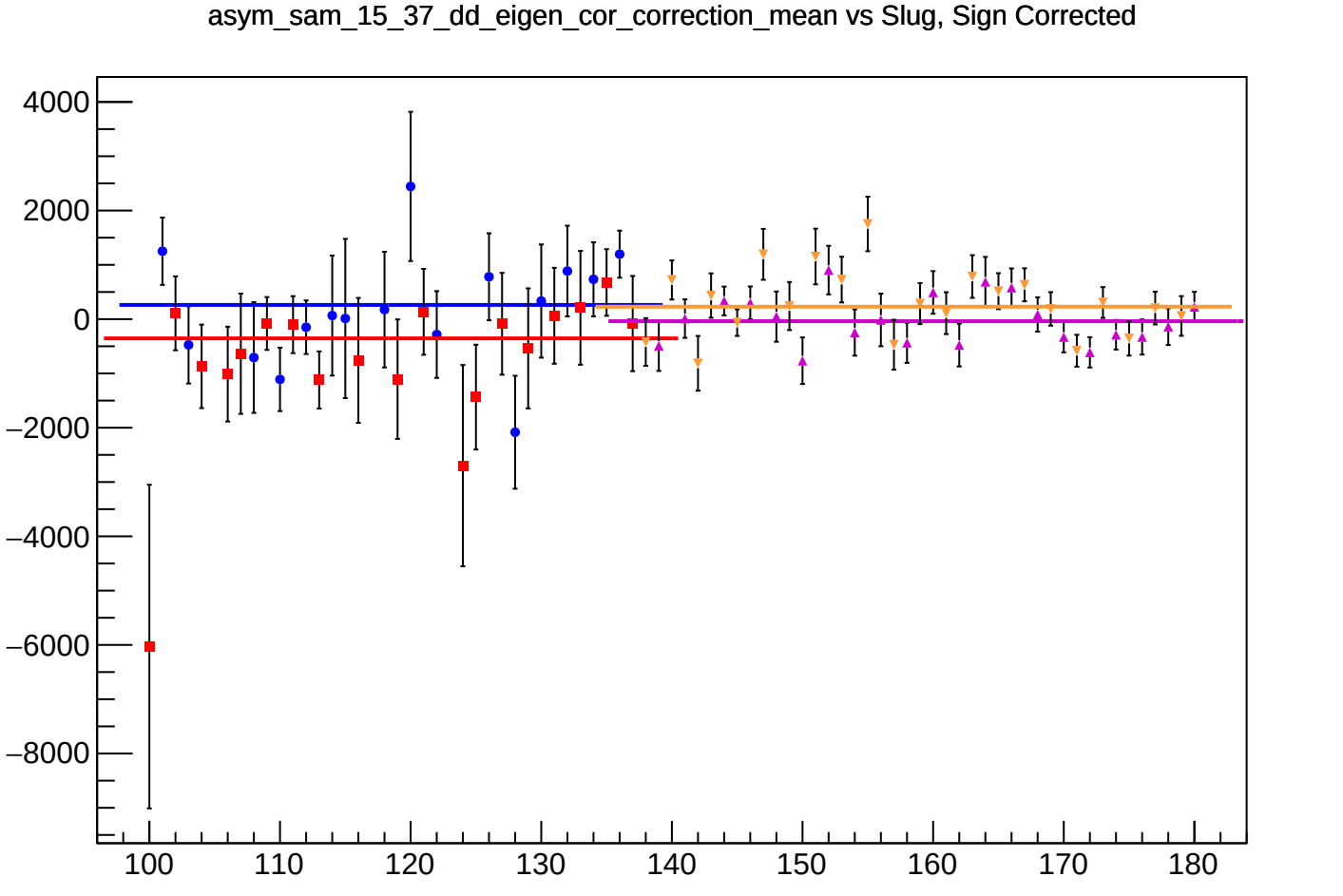
Left: 39.378+/-0.005 χ^2/NDF: 470668.3/42

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.821+/-0.006 χ^2/NDF:950896.0/36

Out: 40.873+/-0.006 χ^2/NDF:976206.5/40

All: 40.847+/-0.004 χ^2/NDF: 1927140.2/77



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -37.852+/-75.361 χ^2/NDF:29.7/20

Left: 93.573+/-53.719 χ^2/NDF: 82.3/42

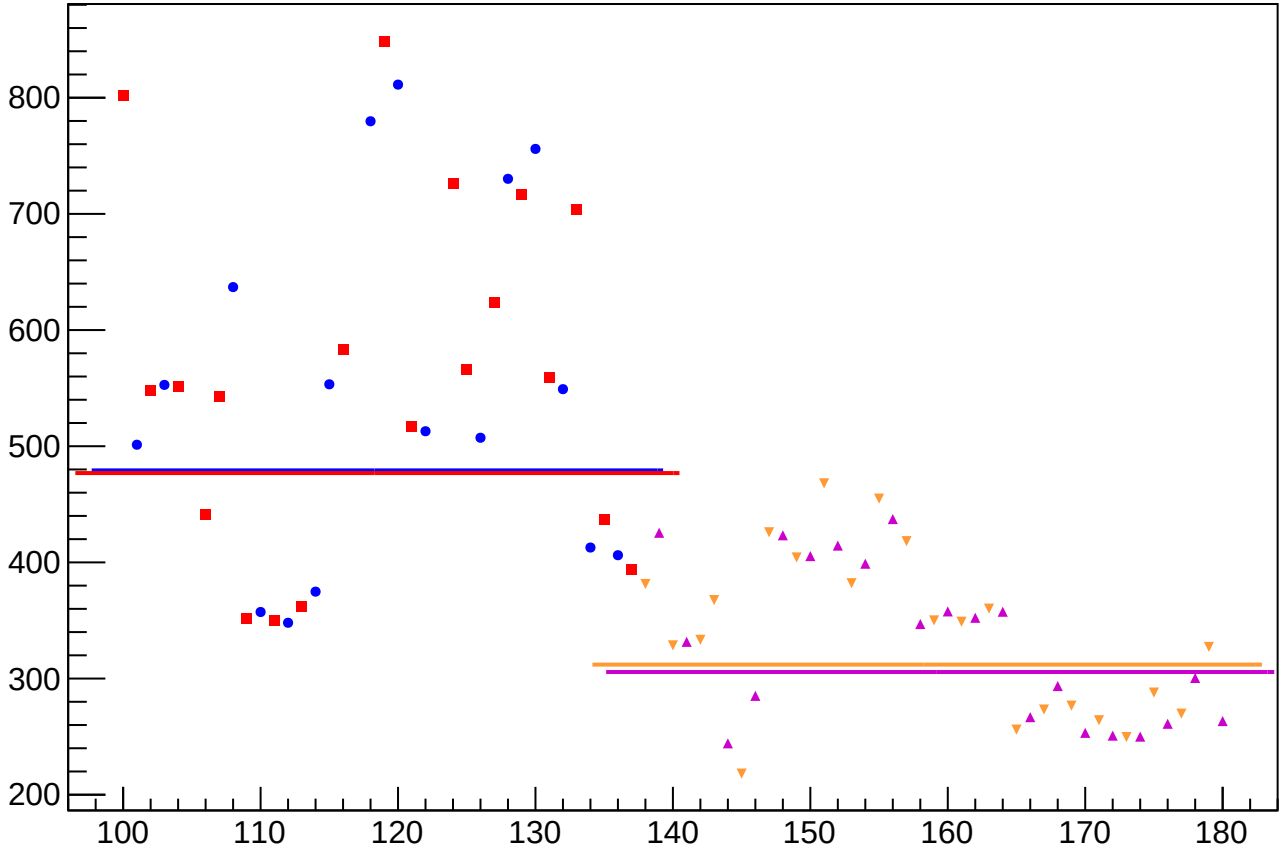
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 4.733+/-69.804 χ^2/NDF:56.9/36

Out: 141.454+/-70.591 χ^2/NDF:70.4/40

All: 72.326+/-49.635 χ^2/NDF: 129.2/77

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 305.629+/-0.053 χ^2/NDF:1317510.8/20

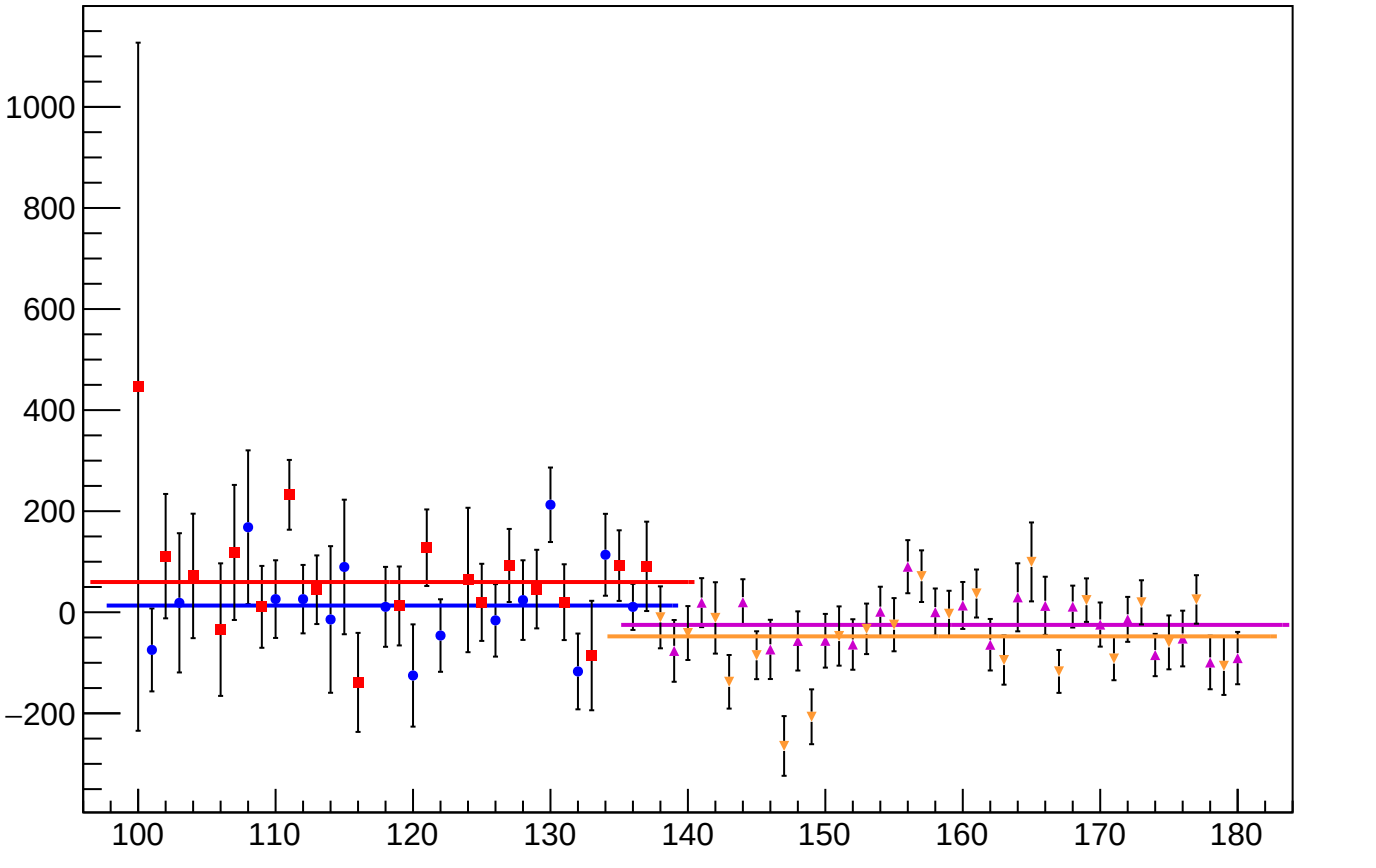
Left: 308.773+/-0.038 χ^2/NDF: 2814689.5/42

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 330.281+/-0.049 χ^2/NDF:3776879.3/36

Out: 336.851+/-0.050 χ^2/NDF:3889452.6/40

All: 333.529+/-0.035 χ^2/NDF: 7675092.0/77



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.722+/-10.886 χ^2/NDF:52.8/21

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -25.012+/-10.940 χ^2/NDF:18.9/20

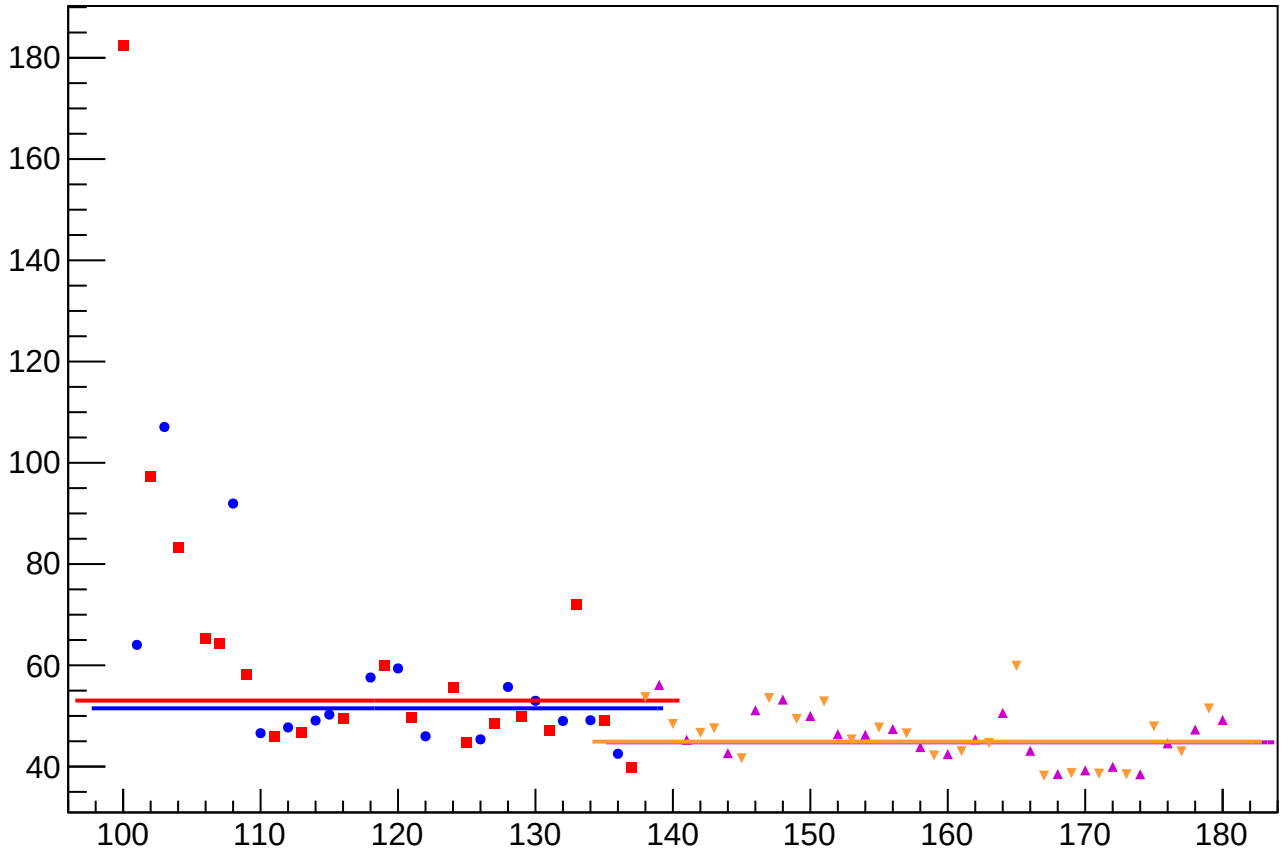
Left: -36.423+/-7.716 χ^2/NDF: 73.8/42

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -16.094+/-9.581 χ^2/NDF:38.9/36

Out: -23.584+/-9.587 χ^2/NDF:90.8/40

All: -19.837+/-6.777 χ^2/NDF: 130.1/77



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.918+/-0.008 χ^2/NDF:464155.1/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.788+/-0.008 χ^2/NDF:355309.9/20

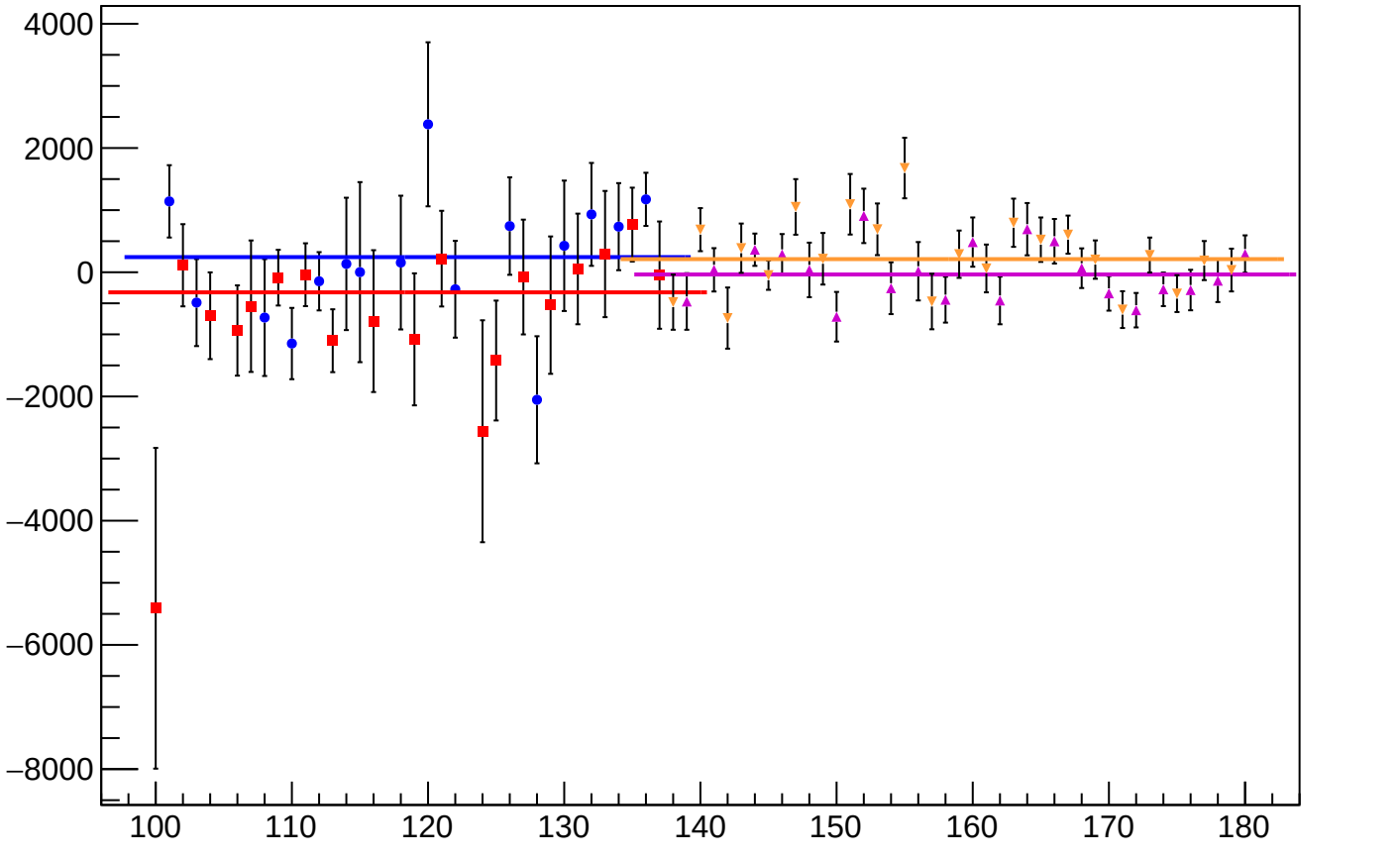
Left: 44.853+/-0.005 χ^2/NDF: 819605.5/42

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.353+/-0.007 χ^2/NDF:1198056.4/36

Out: 46.740+/-0.007 χ^2/NDF:1426844.8/40

All: 46.547+/-0.005 χ^2/NDF: 2626531.6/77



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.351+/-75.589 χ^2/NDF:45.2/21

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -35.811+/-75.316 χ^2/NDF:29.7/20

Left: 87.322+/-53.353 χ^2/NDF: 80.3/42

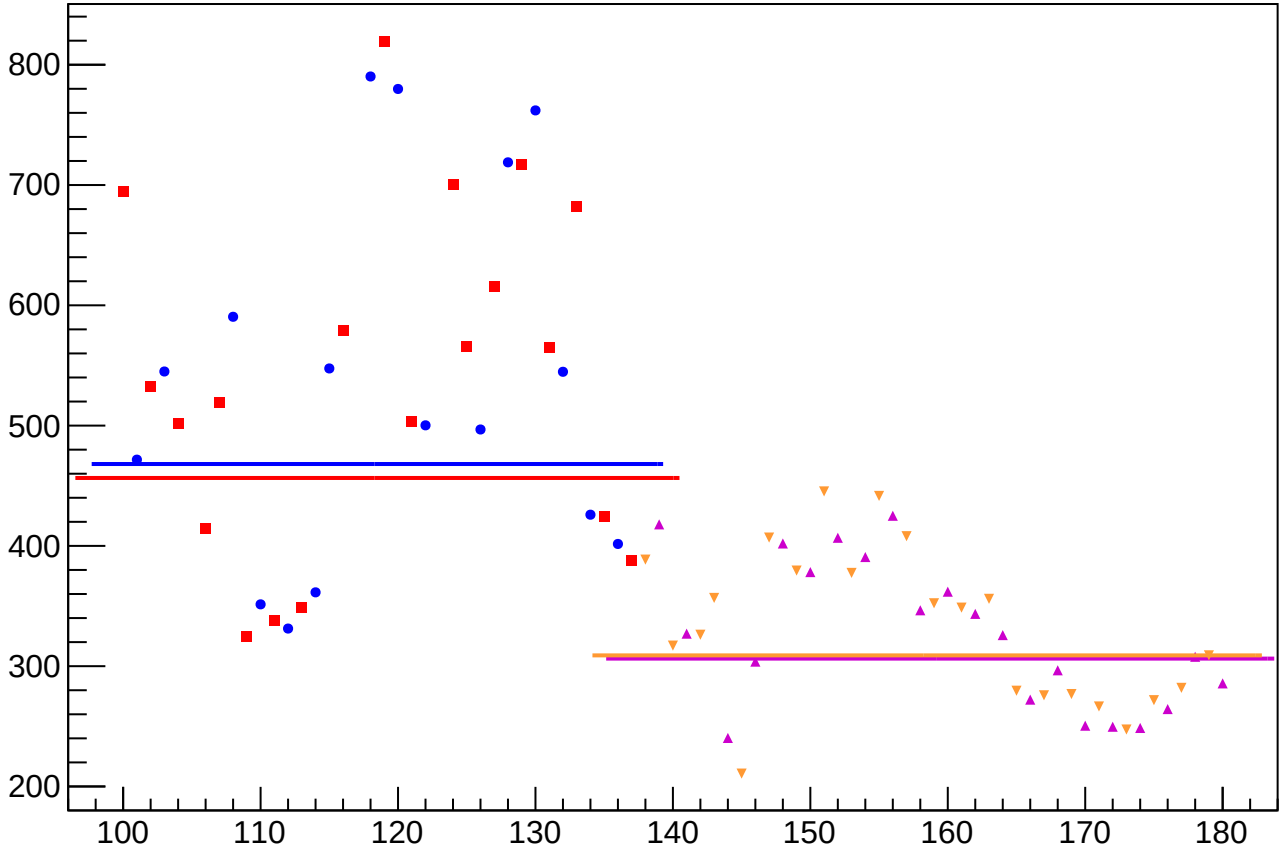
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 5.511+/-69.529 χ^2/NDF:57.4/36

Out: 126.115+/-69.306 χ^2/NDF:69.6/40

All: 66.006+/-49.085 χ^2/NDF: 128.5/77

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: 308.977+/-0.053 χ^2/NDF:1372525.3/21

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 306.298+/-0.053 χ^2/NDF:1133539.9/20

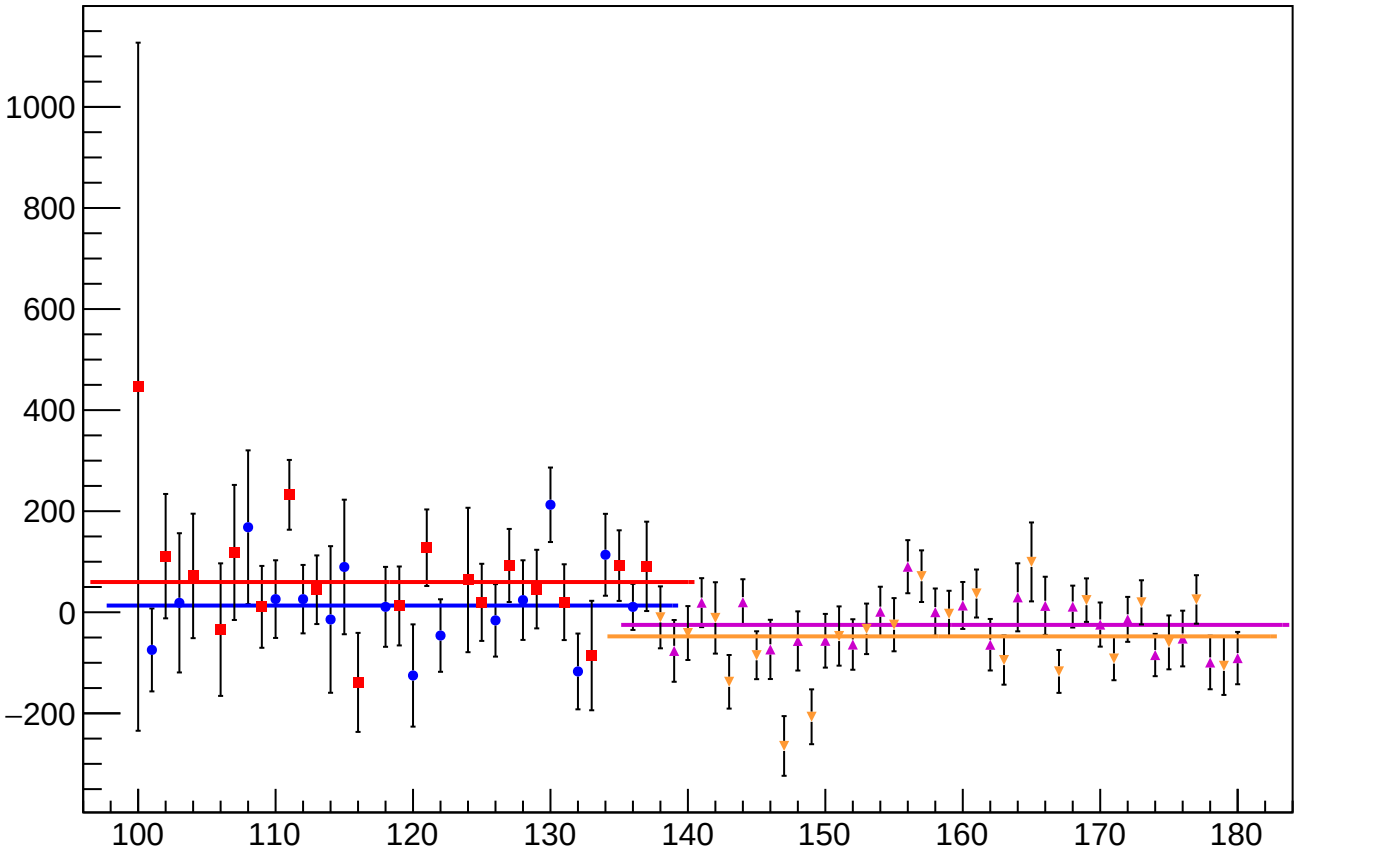
Left: 307.633+/-0.038 χ^2/NDF: 2507326.1/42

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 330.202+/-0.049 χ^2/NDF:3479867.8/36

Out: 332.477+/-0.049 χ^2/NDF:3668281.5/40

All: 331.343+/-0.035 χ^2/NDF: 7149222.5/77



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.723+/-10.886 χ^2/NDF:52.8/21

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -25.012+/-10.940 χ^2/NDF:18.9/20

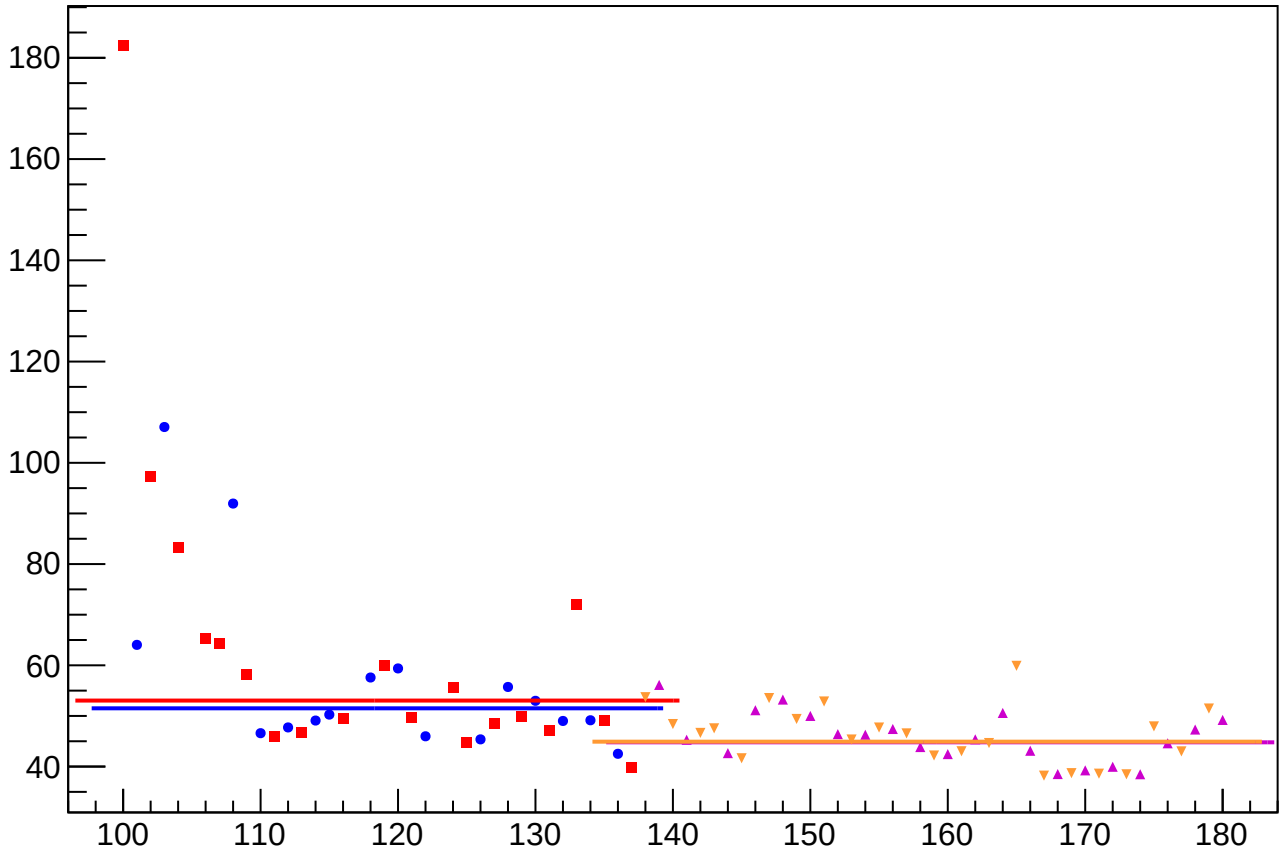
Left: -36.424+/-7.716 χ^2/NDF: 73.8/42

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -16.094+/-9.581 χ^2/NDF:38.9/36

Out: -23.584+/-9.587 χ^2/NDF:90.8/40

All: -19.837+/-6.777 χ^2/NDF: 130.1/77



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.918+/-0.008 χ^2/NDF:464156.0/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.788+/-0.008 χ^2/NDF:355311.8/20

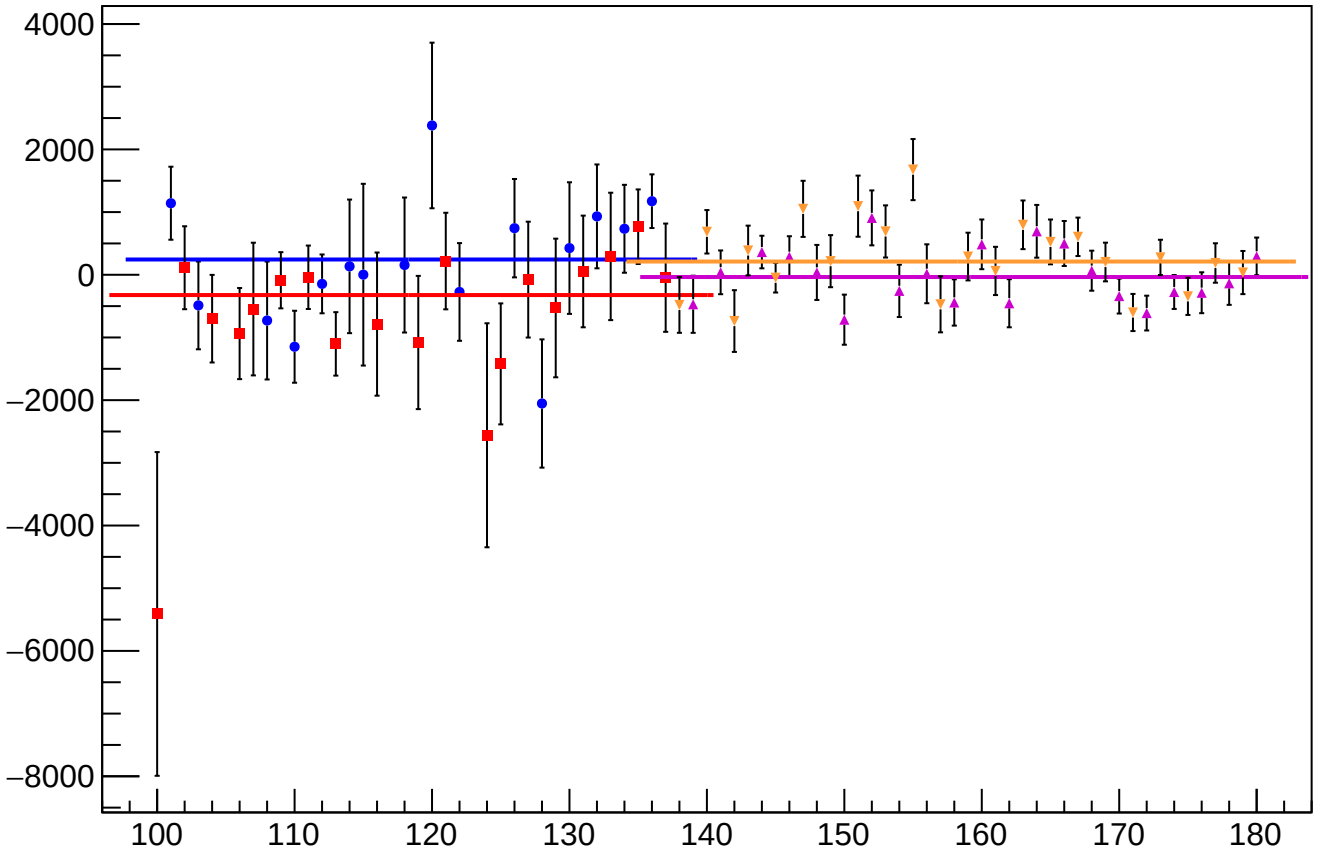
Left: 44.853+/-0.005 χ^2/NDF: 819608.2/42

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.353+/-0.007 χ^2/NDF:1198062.3/36

Out: 46.740+/-0.007 χ^2/NDF:1426857.1/40

All: 46.547+/-0.005 χ^2/NDF: 2626549.7/77



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.352+/-75.589 χ^2/NDF:45.2/21

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -35.811+/-75.316 χ^2/NDF:29.7/20

Left: 87.323+/-53.353 χ^2/NDF: 80.3/42

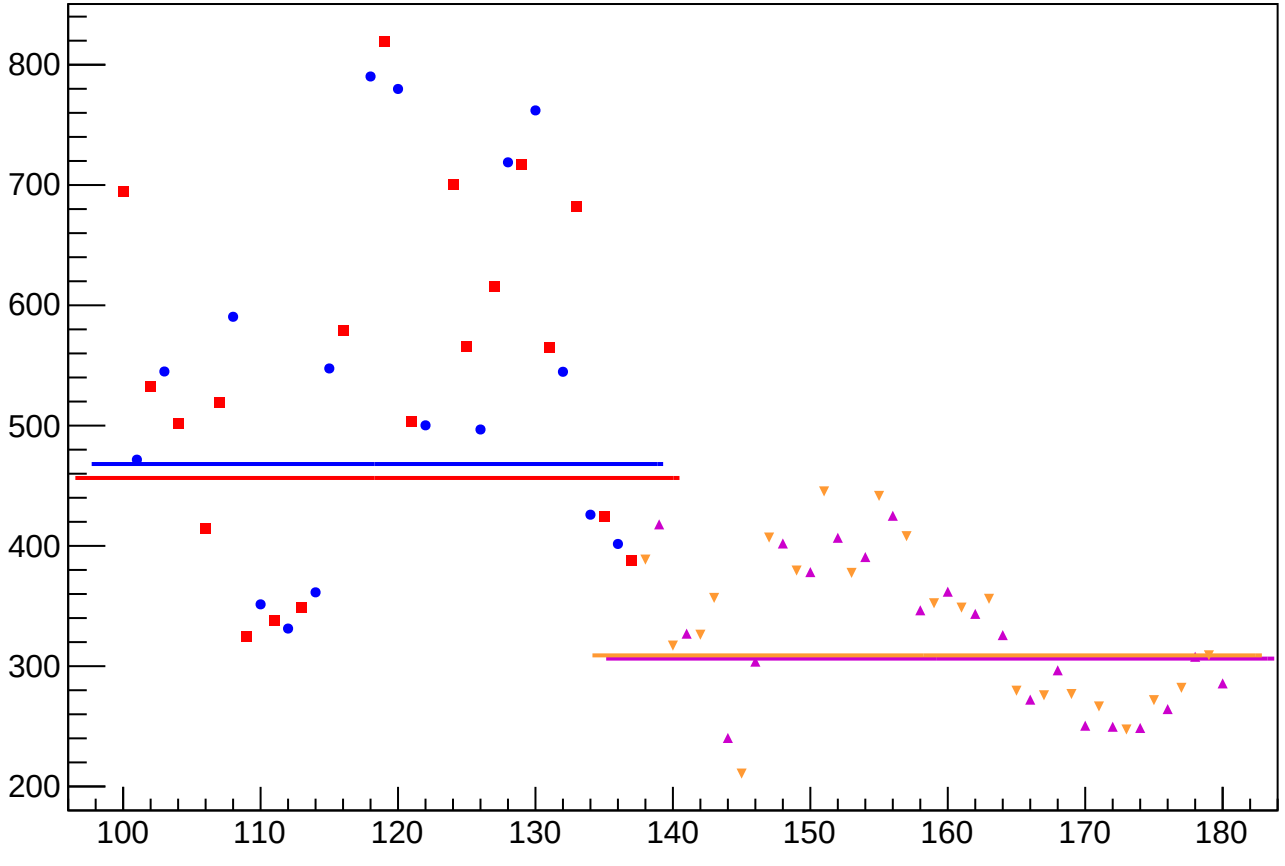
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 5.511+/-69.529 χ^2/NDF:57.4/36

Out: 126.115+/-69.306 χ^2/NDF:69.6/40

All: 66.006+/-49.085 χ^2/NDF: 128.5/77

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: 308.978+/-0.053 χ^2/NDF:1372522.2/21

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 306.299+/-0.053 χ^2/NDF:1133532.5/20

Left: 307.633+/-0.038 χ^2/NDF: 2507315.4/42

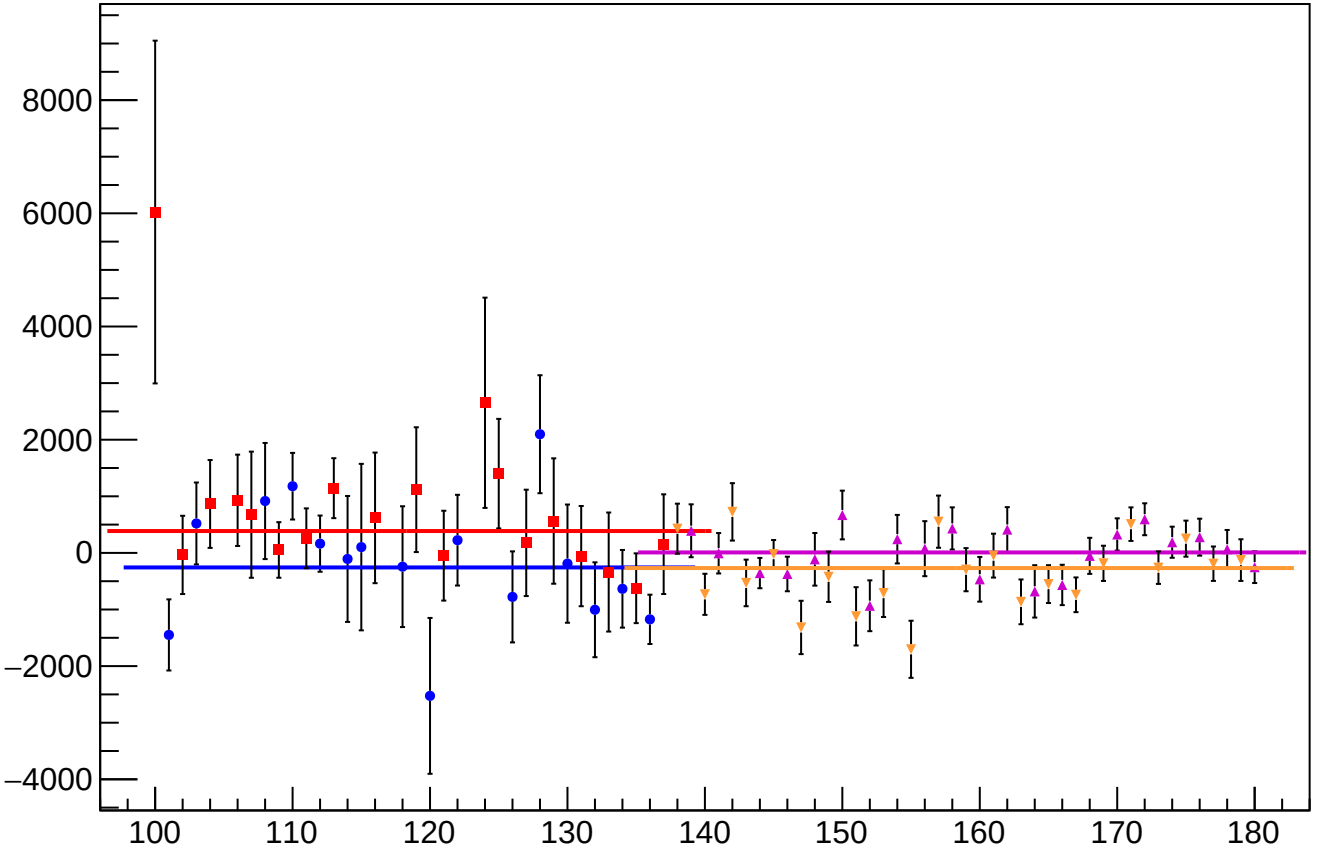
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 330.203+/-0.049 χ^2/NDF:3479843.0/36

Out: 332.477+/-0.049 χ^2/NDF:3668260.8/40

All: 331.343+/-0.035 χ^2/NDF: 7149176.9/77

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -267.701+/-77.238 χ^2/NDF:45.0/21

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 8.497+/-76.020 χ^2/NDF:27.4/20

Left: -127.408+/-54.180 χ^2/NDF: 78.9/42

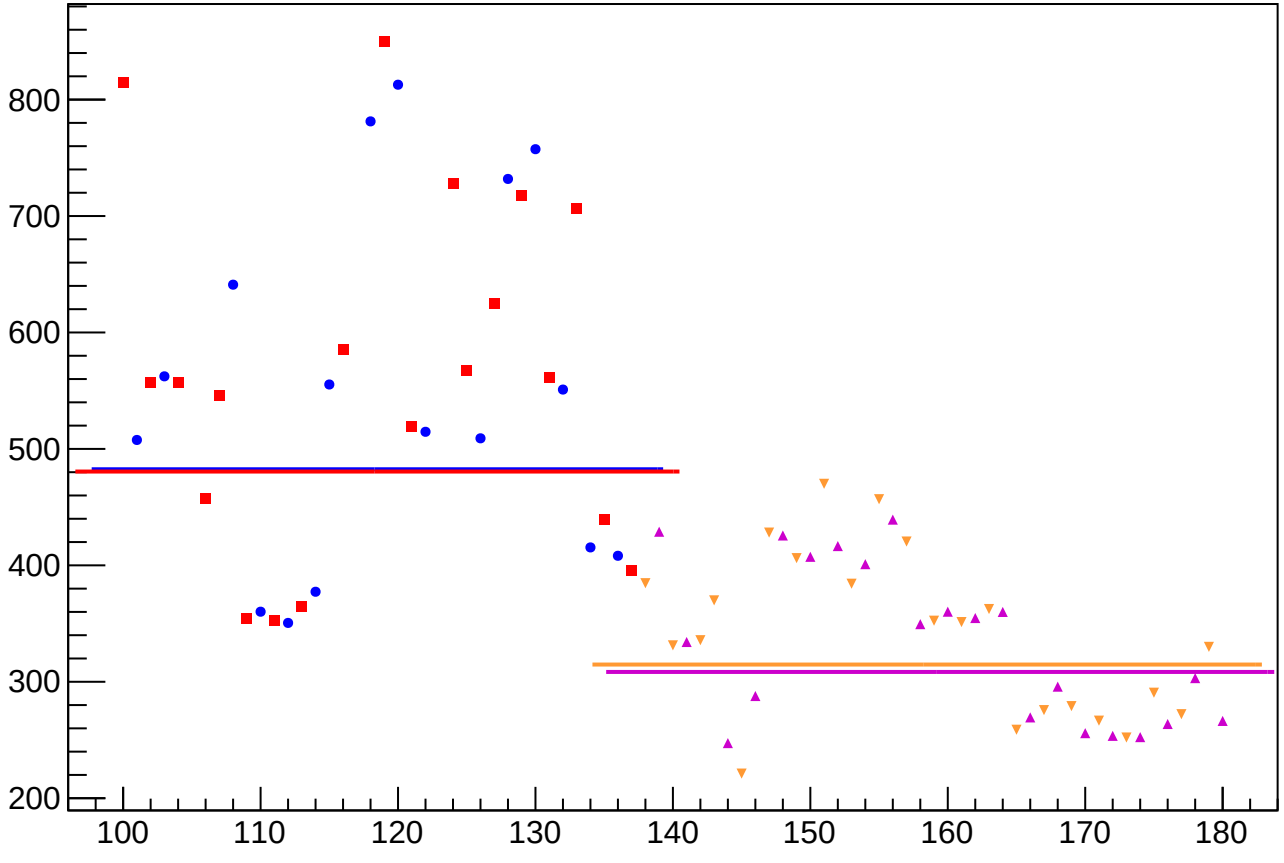
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -29.307+/-70.395 χ^2/NDF:56.1/36

Out: -168.205+/-71.122 χ^2/NDF:70.1/40

All: -98.042+/-50.032 χ^2/NDF: 128.1/77

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.803+/-0.055 χ^2/NDF:1459783.9/21

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 308.451+/-0.054 χ^2/NDF:1291161.4/20

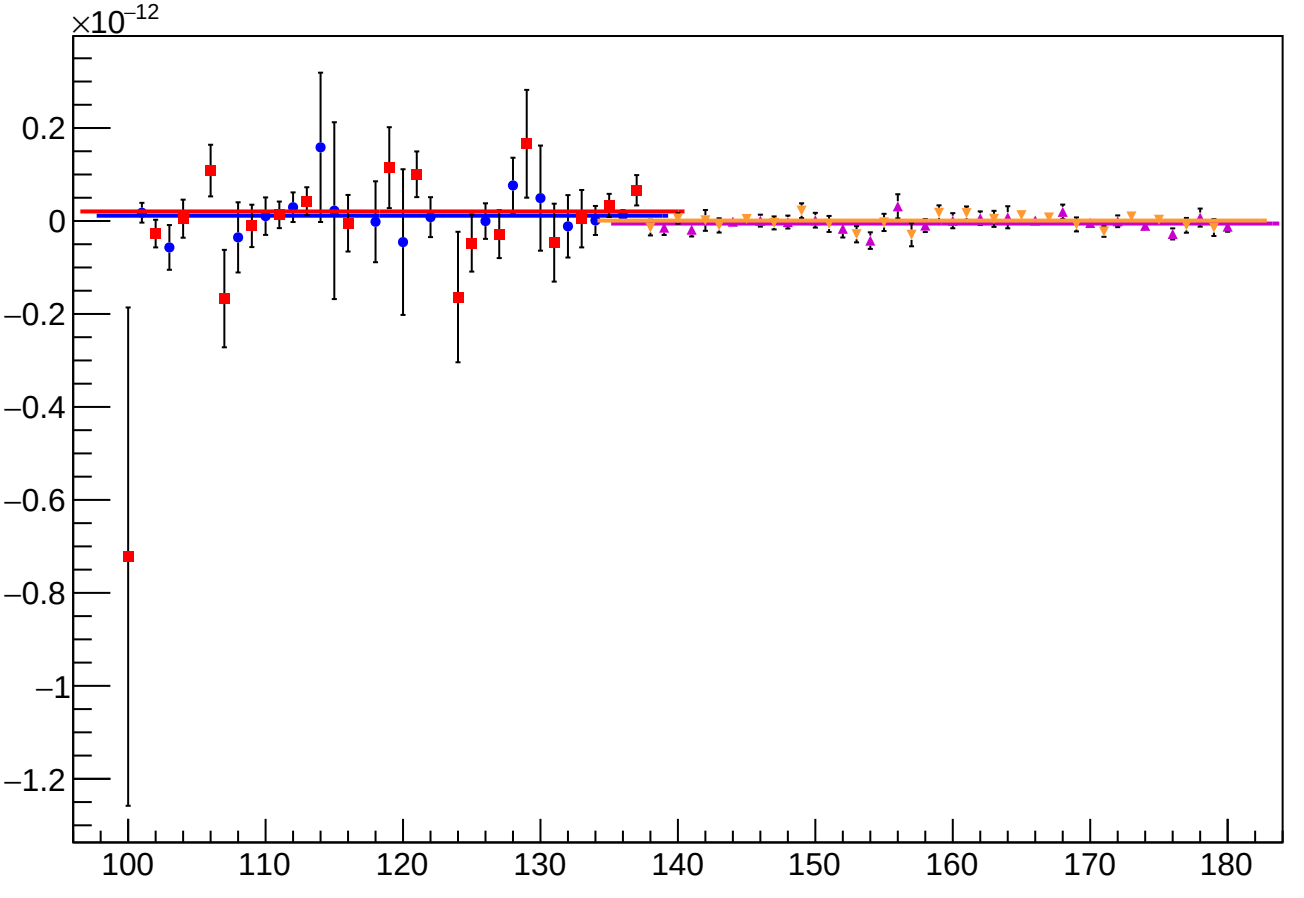
Left: 311.577+/-0.038 χ^2/NDF: 2757816.9/42

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 333.259+/-0.050 χ^2/NDF:3732116.5/36

Out: 340.015+/-0.050 χ^2/NDF:3854584.2/40

All: 336.602+/-0.035 χ^2/NDF: 7595815.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/20

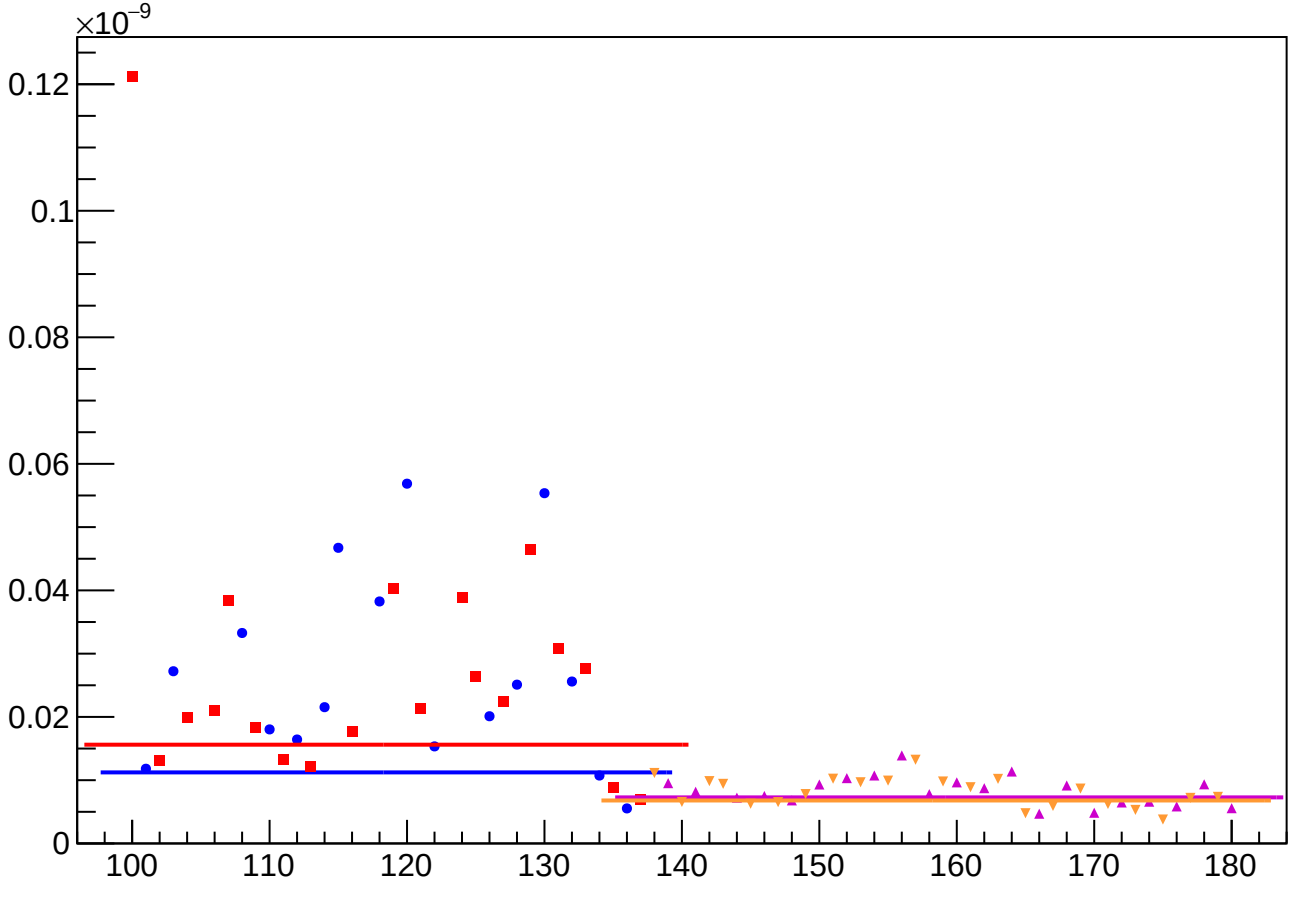
Left: -0.000+/-0.000 χ^2/NDF: 38.3/42

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:26.7/36

Out: 0.000+/-0.000 χ^2/NDF:45.7/40

All: -0.000+/-0.000 χ^2/NDF: 74.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1330494.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:875093.1/20

Left: 0.000+/-0.000 χ^2/NDF: 2234602.8/42

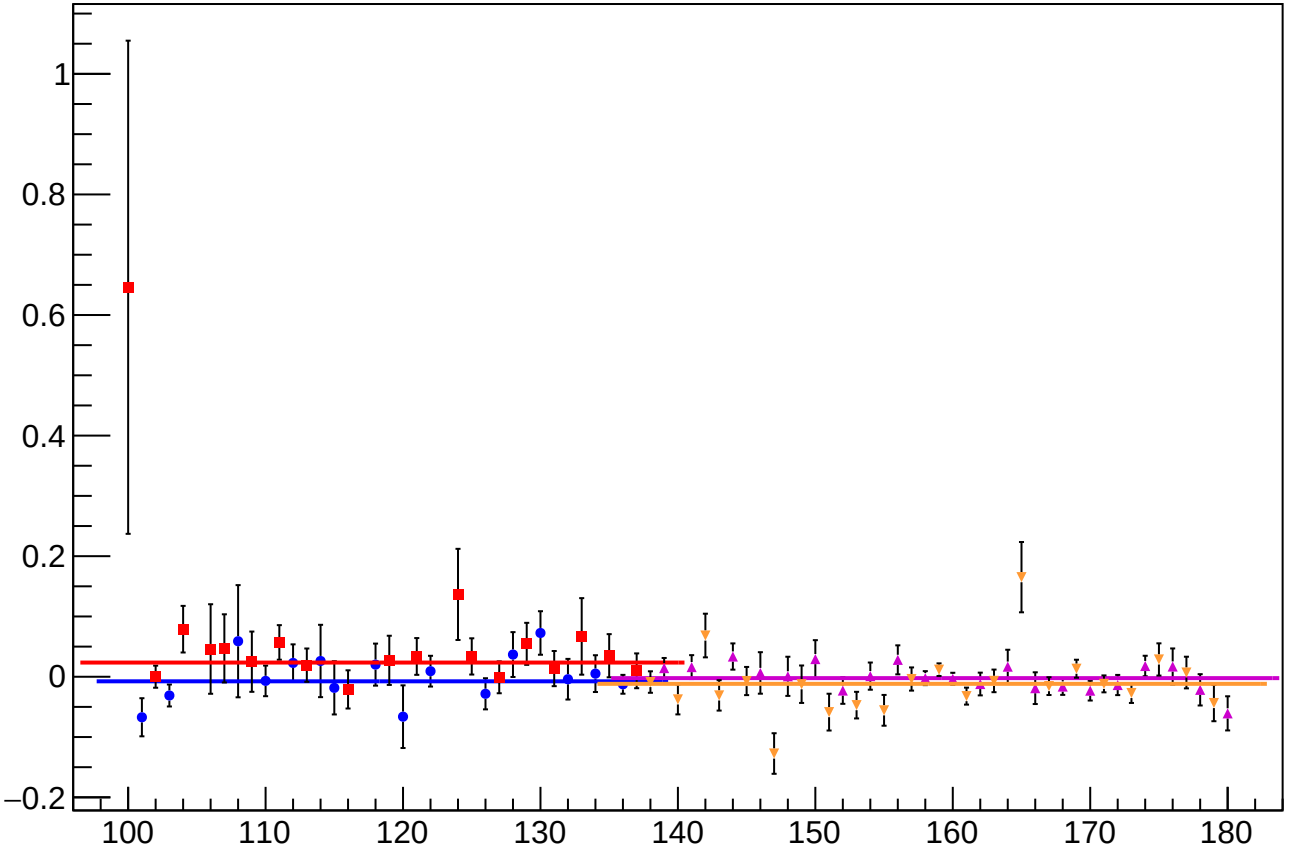
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3407786.7/36

Out: 0.000+/-0.000 χ^2/NDF:3892572.6/40

All: 0.000+/-0.000 χ^2/NDF: 7318607.7/77

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/20

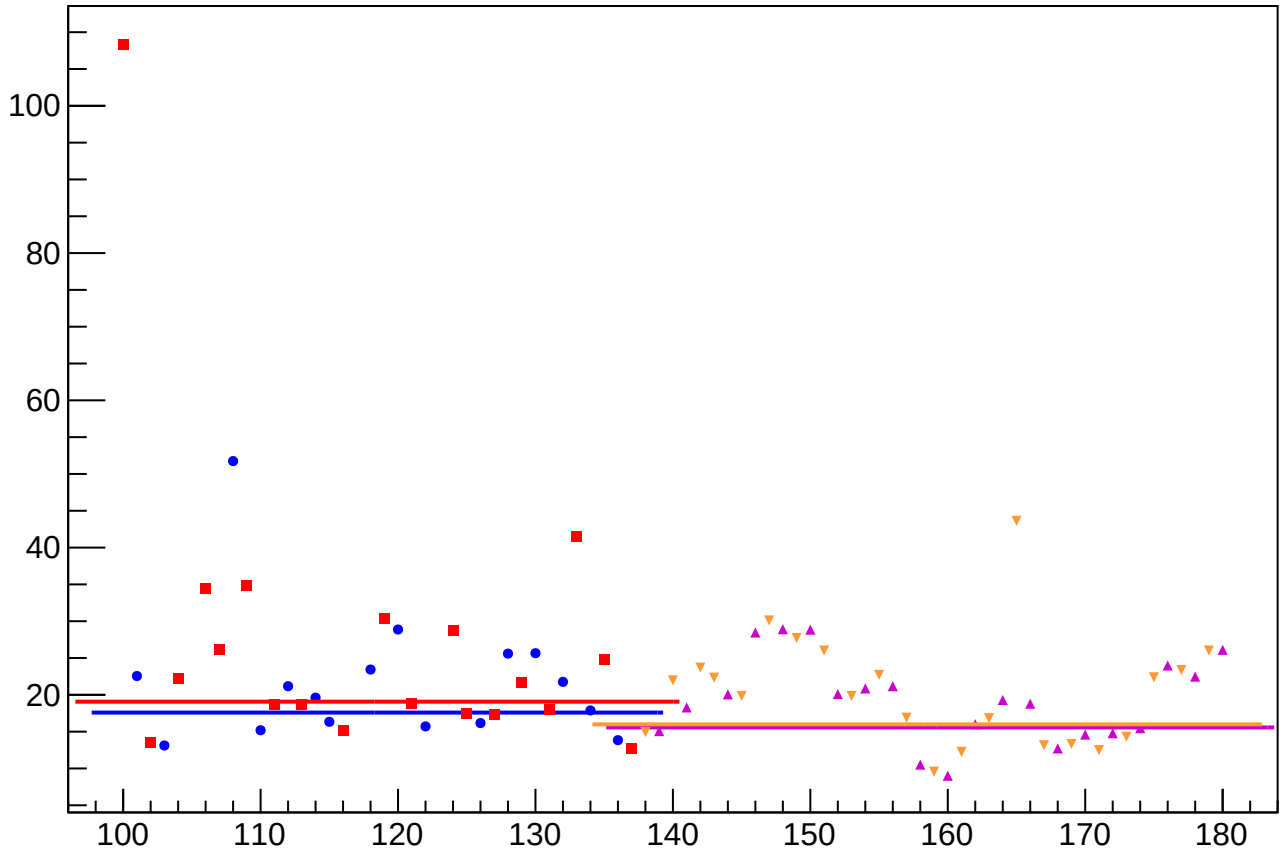
Left: -0.007+/-0.003 χ^2/NDF: 72.1/42

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/36

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.004+/-0.003 χ^2/NDF: 117.4/77



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.993+/-0.003 χ^2/NDF:3573165.4/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

Left: 15.777+/-0.002 χ^2/NDF: 6966460.3/42

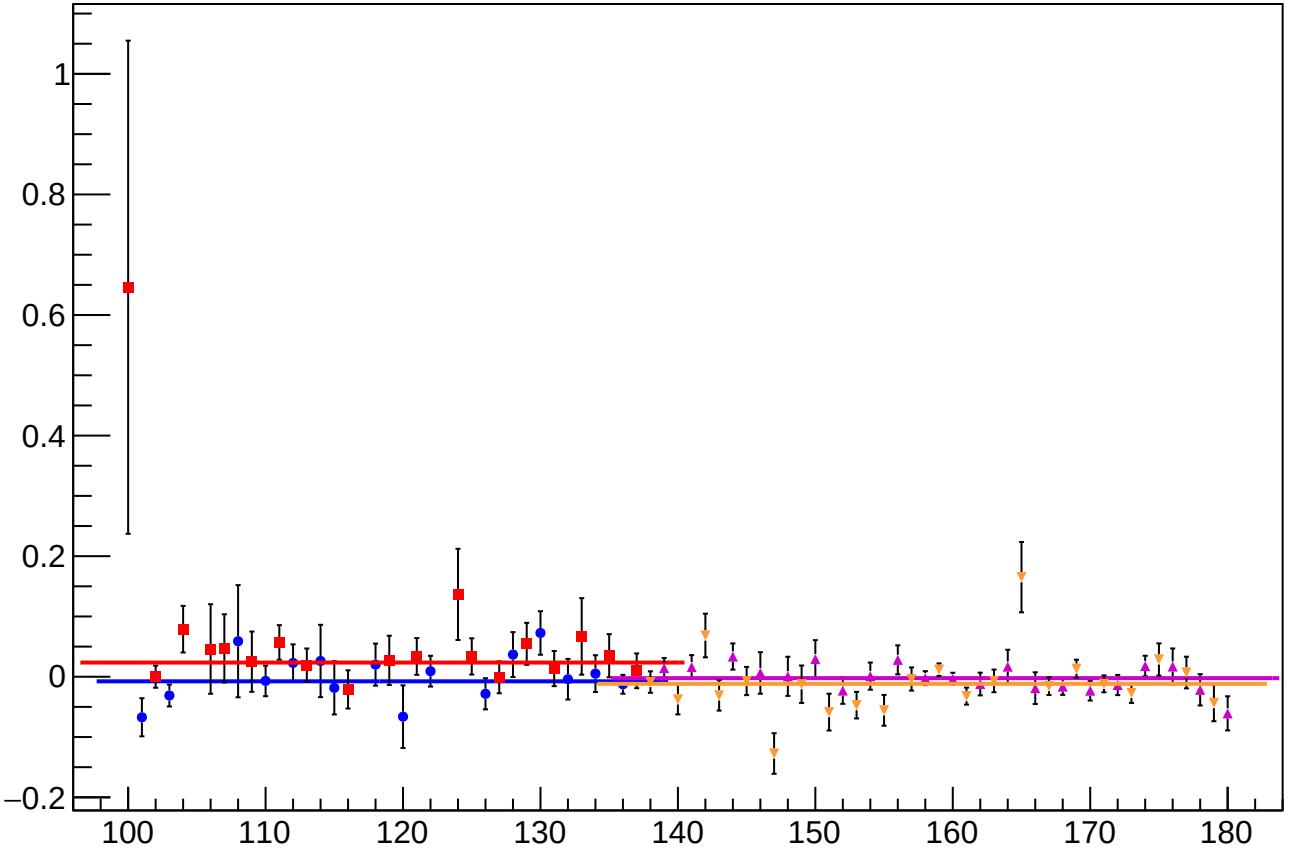
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.065+/-0.003 χ^2/NDF:4495148.5/36

Out: 16.687+/-0.003 χ^2/NDF:5066133.2/40

All: 16.366+/-0.002 χ^2/NDF: 9590826.8/77

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/20

Left: -0.007+/-0.003 χ^2/NDF: 72.1/42

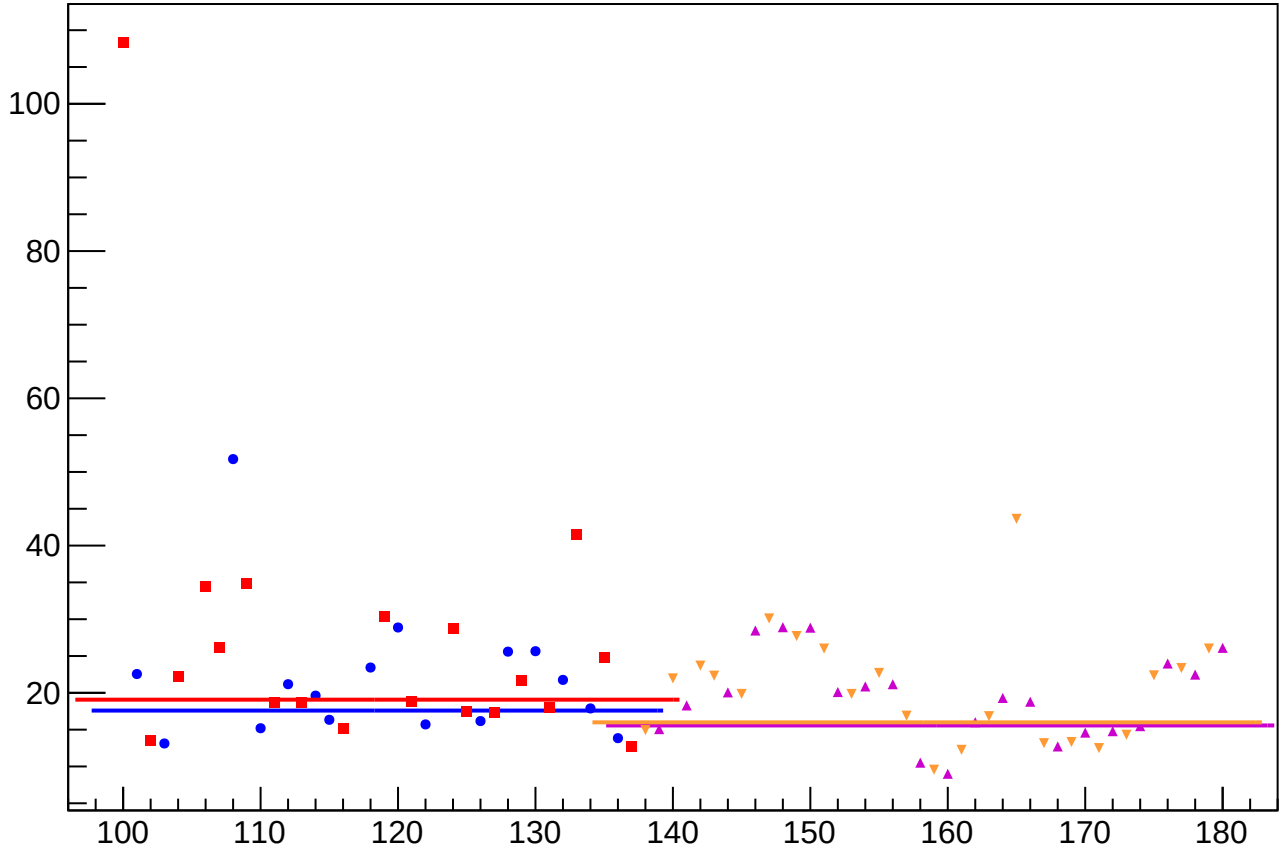
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/36

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.004+/-0.003 χ^2/NDF: 117.4/77

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: 15.993+/-0.003 χ^2/NDF:3573165.4/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.570+/-0.003 χ^2/NDF:3382878.7/20

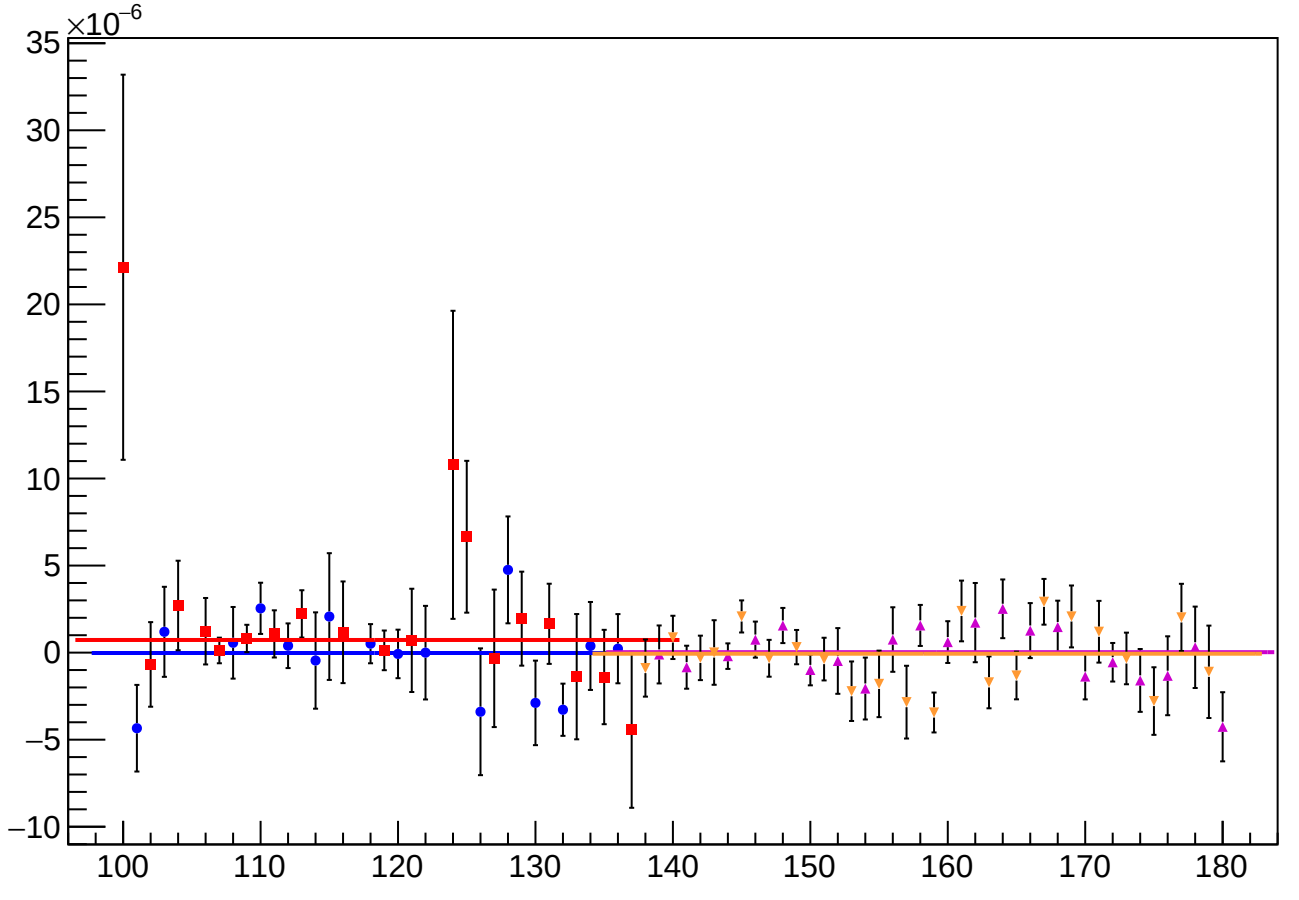
Left: 15.777+/-0.002 χ^2/NDF: 6966460.3/42

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 16.065+/-0.003 χ^2/NDF:4495148.5/36

Out: 16.687+/-0.003 χ^2/NDF:5066133.2/40

All: 16.366+/-0.002 χ^2/NDF: 9590826.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/20

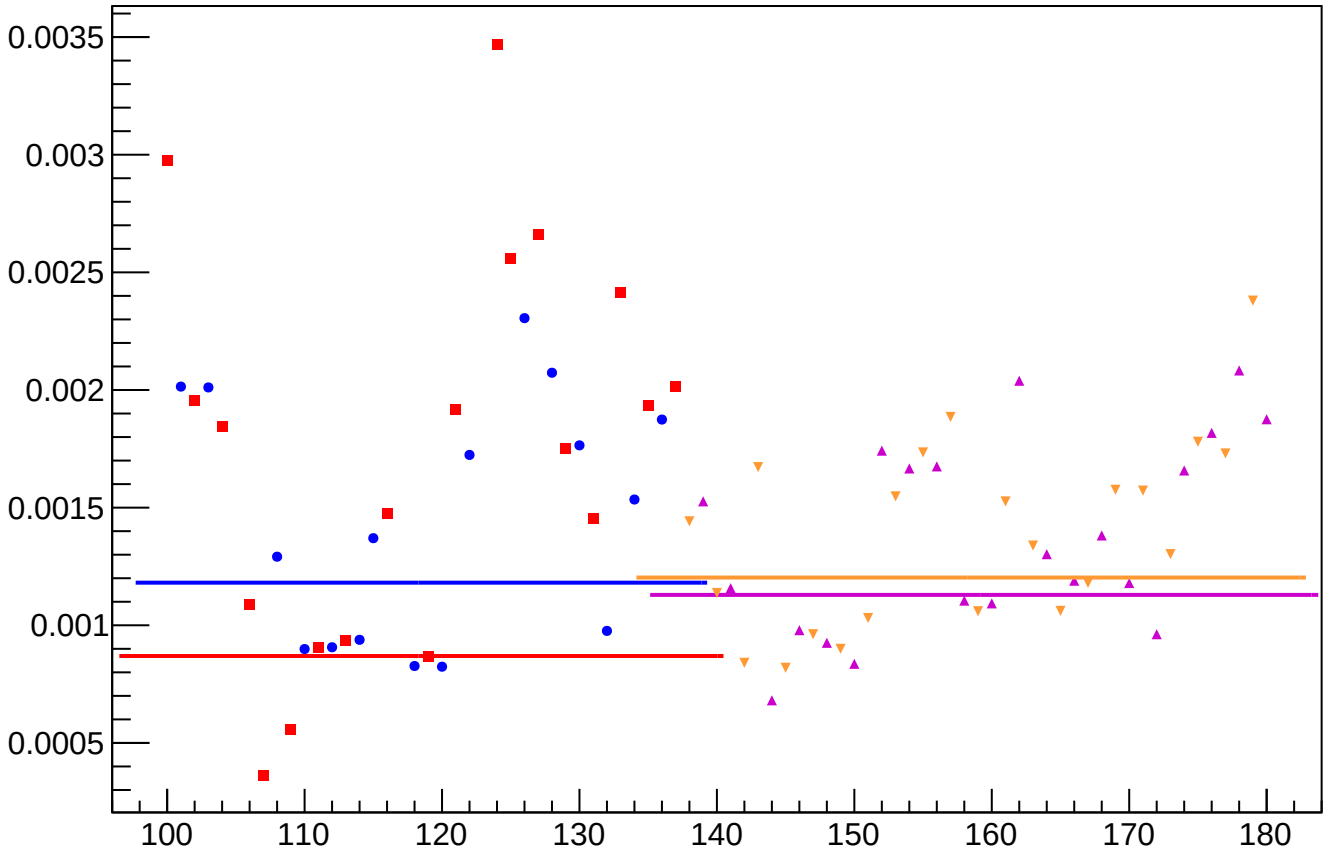
Left: -0.000+/-0.000 χ^2/NDF: 53.7/42

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:36.3/36

Out: 0.000+/-0.000 χ^2/NDF:49.4/40

All: 0.000+/-0.000 χ^2/NDF: 86.1/77



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2508401.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:3193625.7/20

Left: 0.001+/-0.000 χ^2/NDF: 5764646.0/42

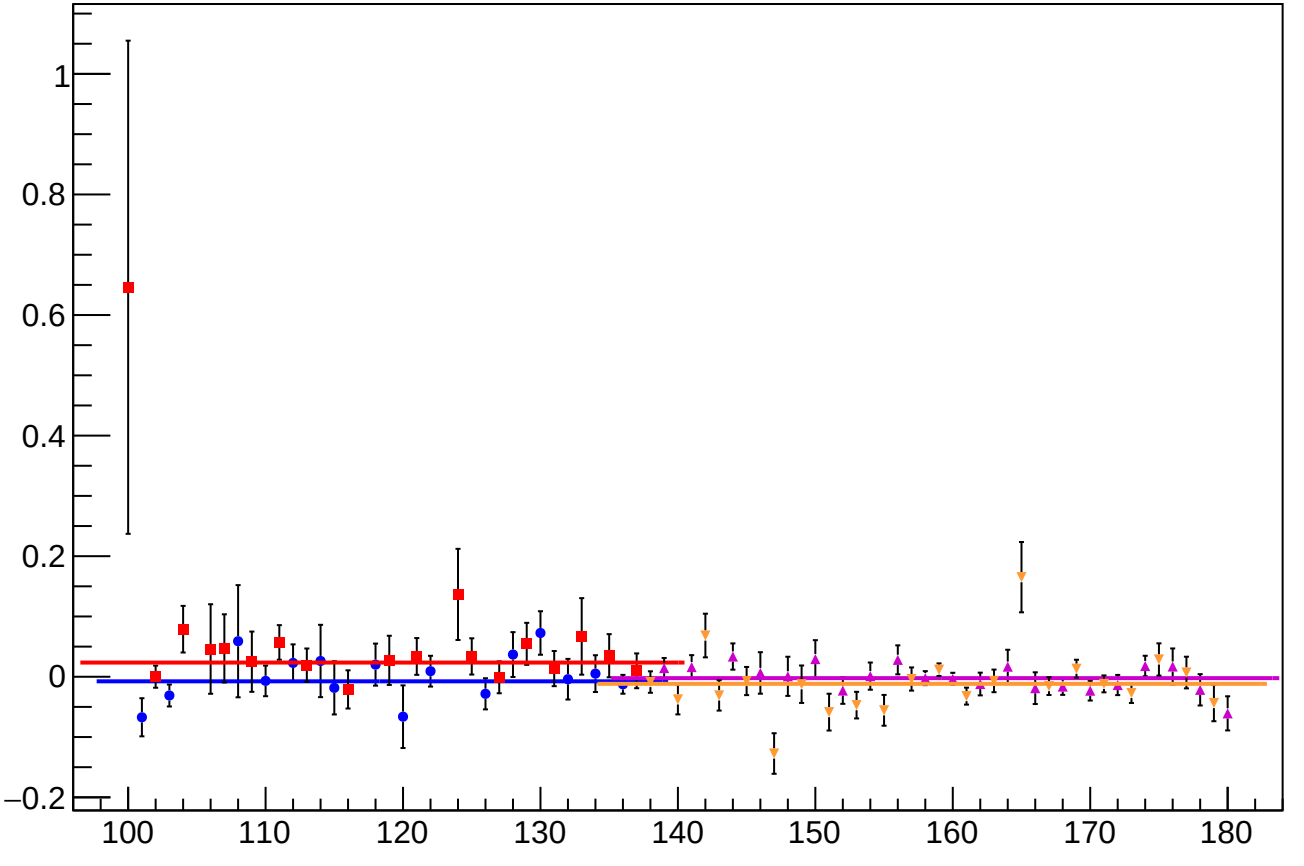
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:5039565.6/36

Out: 0.001+/-0.000 χ^2/NDF:7884183.7/40

All: 0.001+/-0.000 χ^2/NDF: 13005285.8/77

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/20

Left: -0.007+/-0.003 χ^2/NDF: 72.1/42

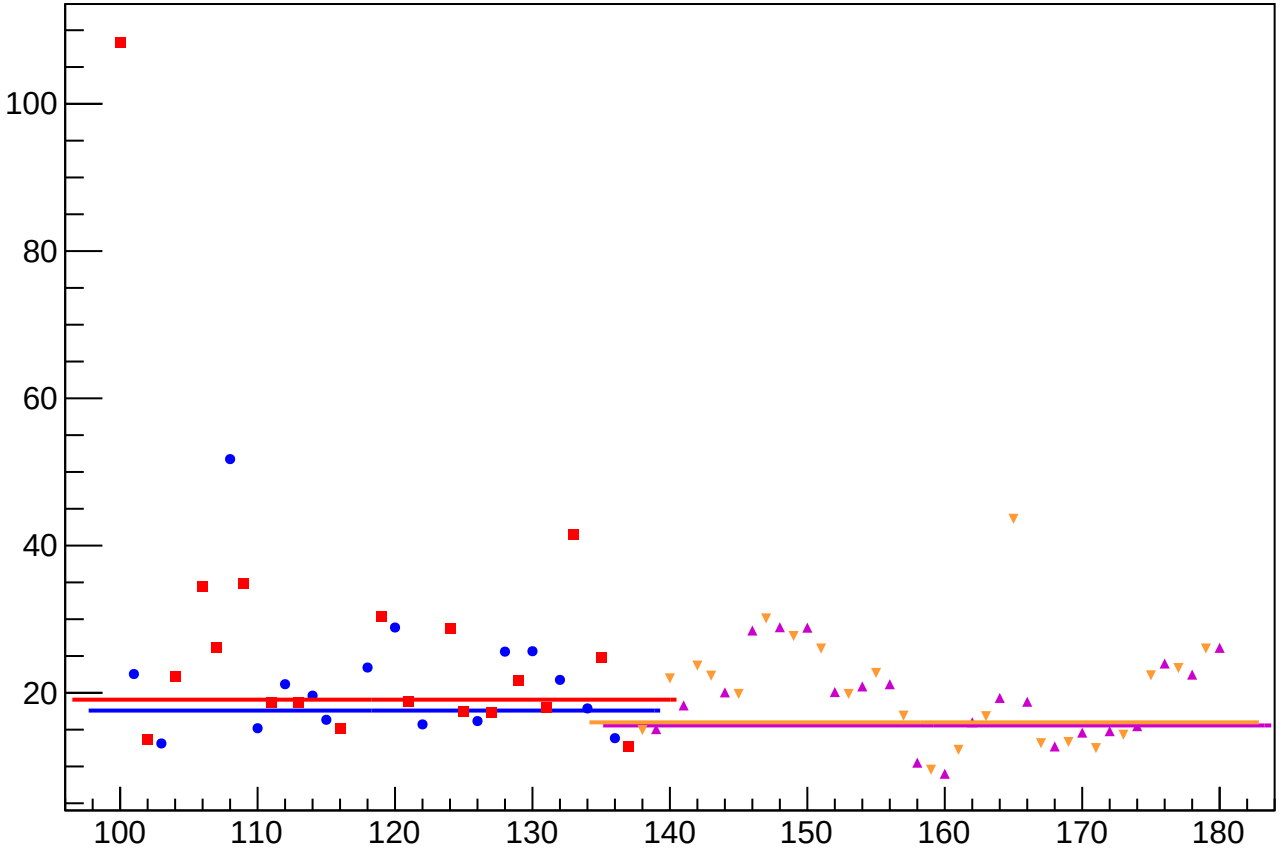
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/36

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.004+/-0.003 χ^2/NDF: 117.4/77

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: 15.992+/-0.003 χ^2/NDF:3573420.3/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

Left: 15.777+/-0.002 χ^2/NDF: 6967075.0/42

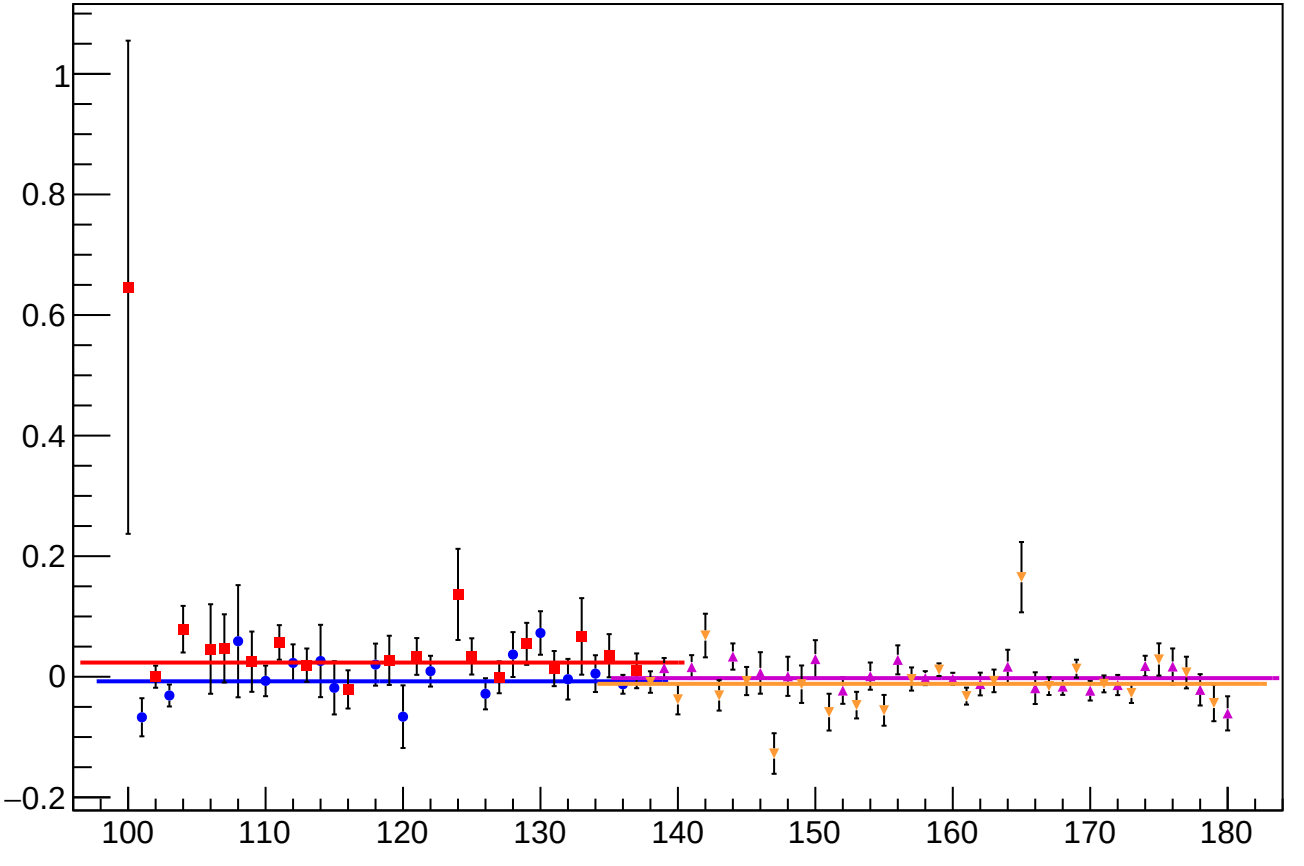
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 16.065+/-0.003 χ^2/NDF:4495581.6/36

Out: 16.687+/-0.003 χ^2/NDF:5066393.3/40

All: 16.366+/-0.002 χ^2/NDF: 9591529.3/77

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:19.0/20

Left: -0.007+/-0.003 χ^2/NDF: 72.1/42

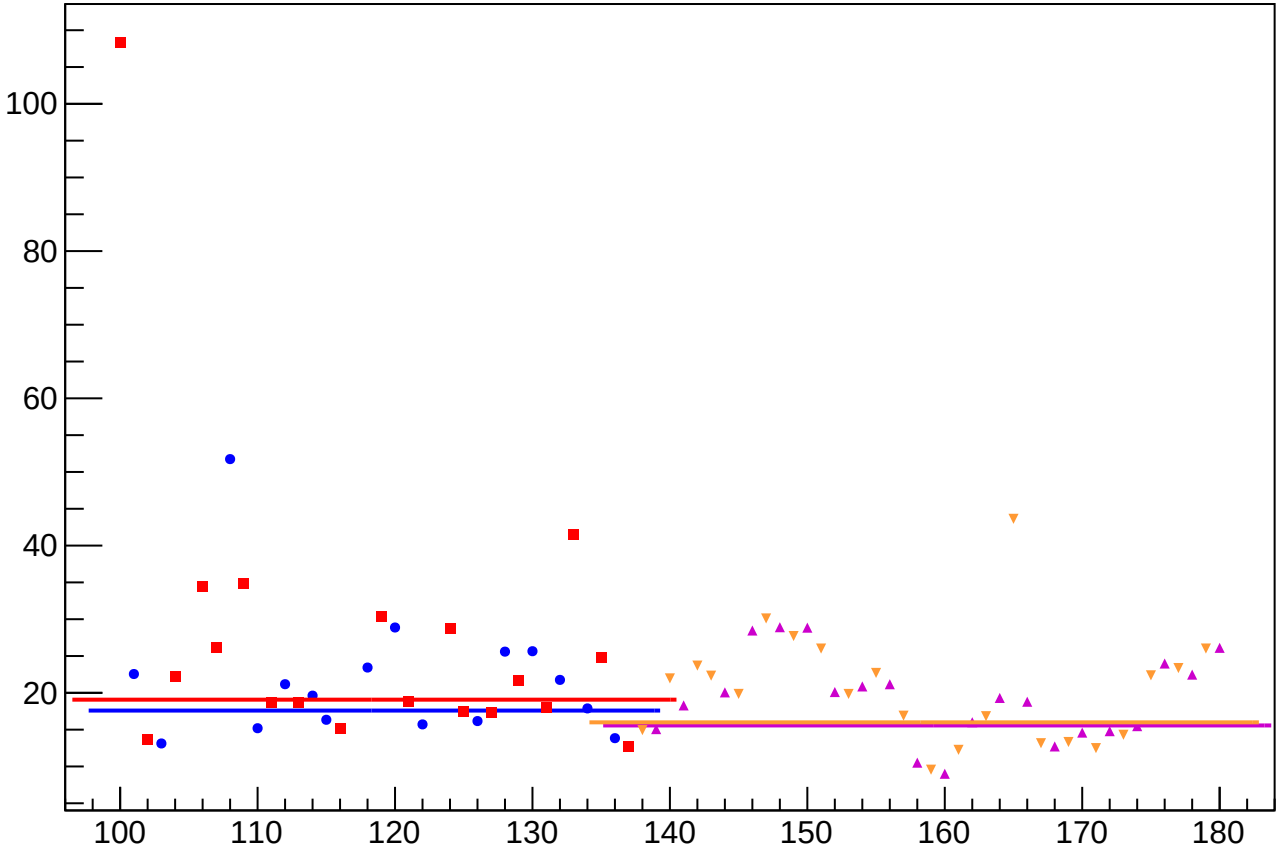
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:36.1/36

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.004+/-0.003 χ^2/NDF: 117.4/77

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: 15.992+/-0.003 χ^2/NDF:3573420.3/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.570+/-0.003 χ^2/NDF:3383235.2/20

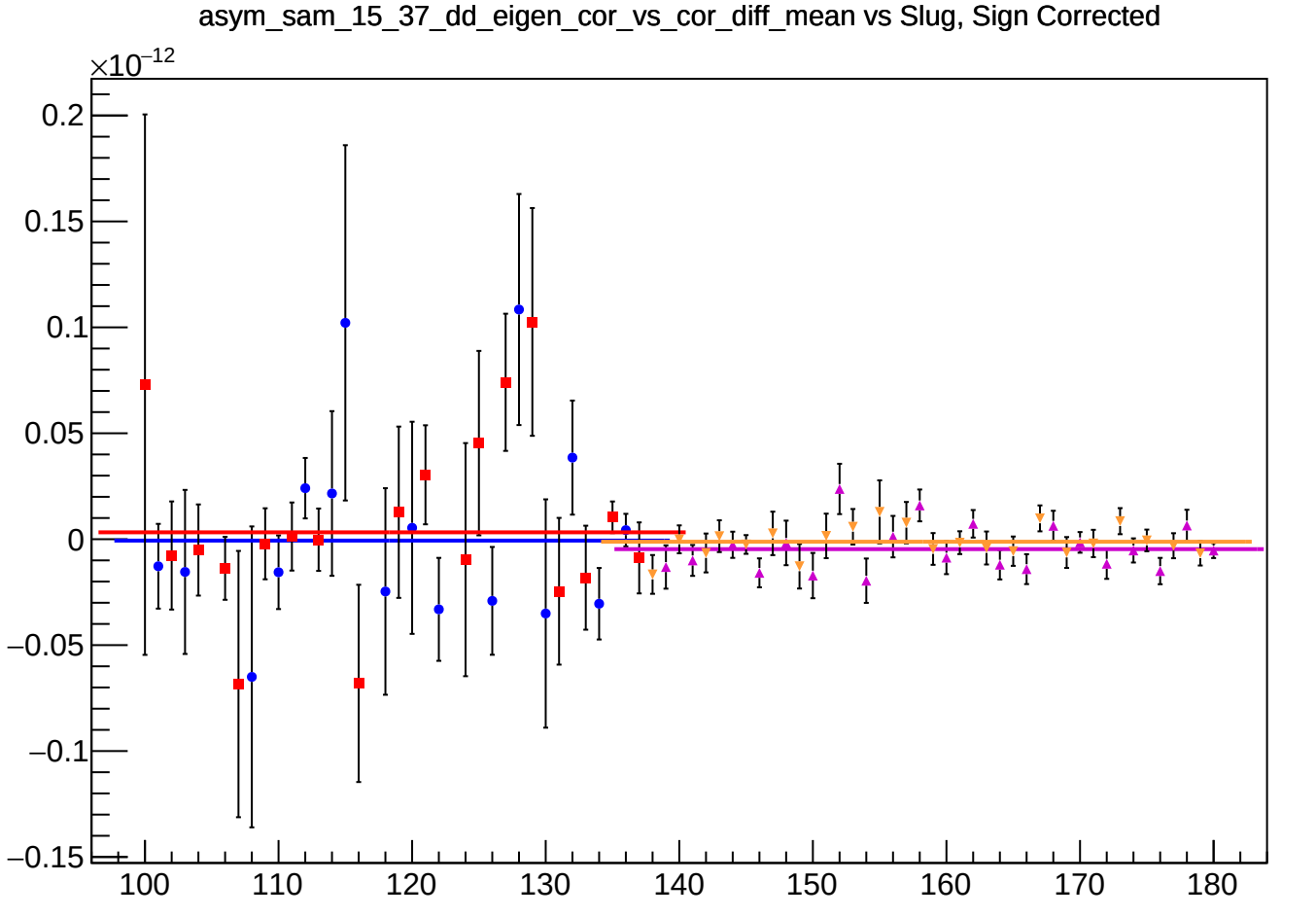
Left: 15.777+/-0.002 χ^2/NDF: 6967075.0/42

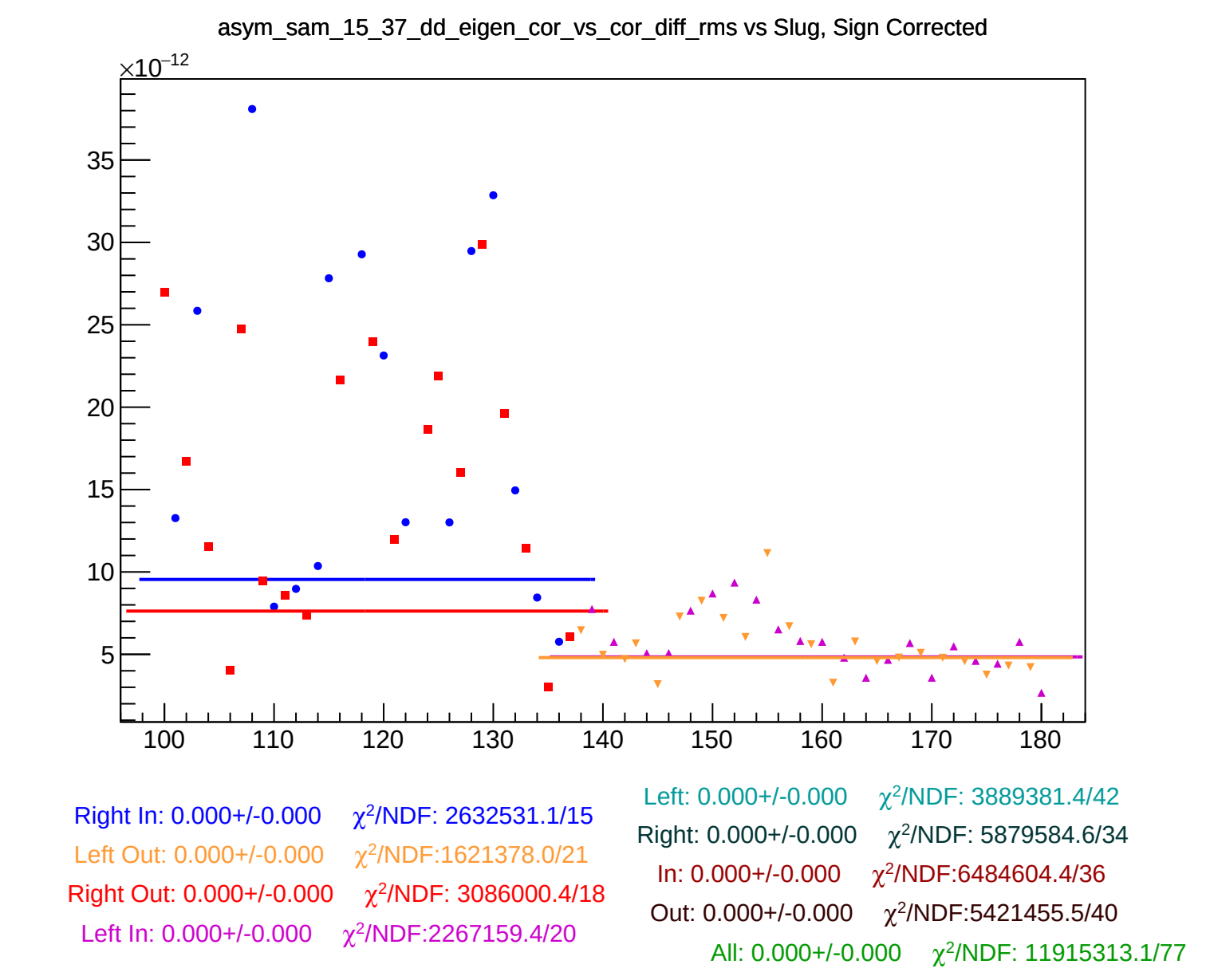
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

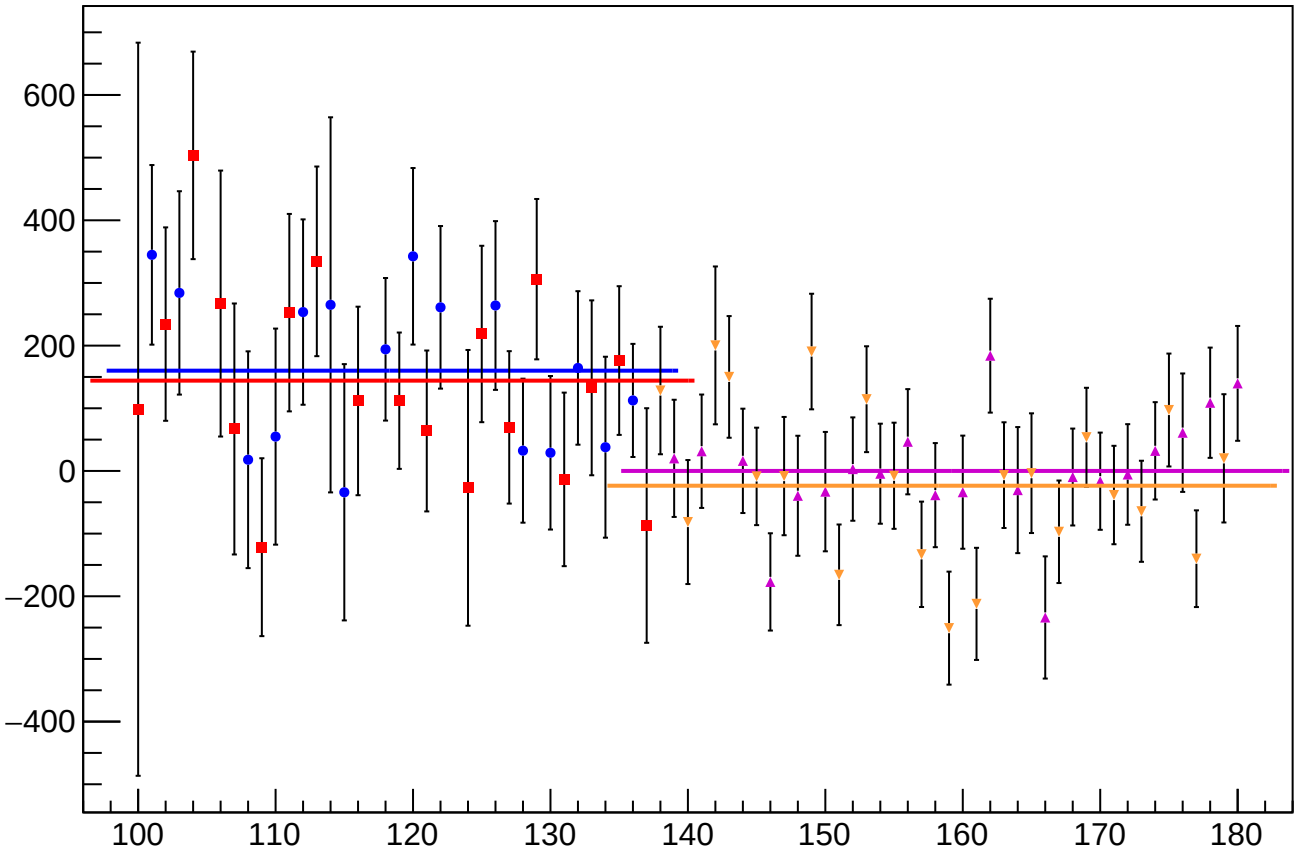
In: 16.065+/-0.003 χ^2/NDF:4495581.6/36

Out: 16.687+/-0.003 χ^2/NDF:5066393.3/40

All: 16.366+/-0.002 χ^2/NDF: 9591529.3/77


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:36.5/20
Left: -0.000+/-0.000 χ²/NDF: 54.6/42
Right: 0.000+/-0.000 χ²/NDF: 39.8/34
In: -0.000+/-0.000 χ²/NDF:57.3/36
Out: -0.000+/-0.000 χ²/NDF:35.4/40
All: -0.000+/-0.000 χ²/NDF: 96.0/77


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1621378.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:2267159.4/20
Left: 0.000+/-0.000 χ²/NDF: 3889381.4/42
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:6484604.4/36
Out: 0.000+/-0.000 χ²/NDF:5421455.5/40
All: 0.000+/-0.000 χ²/NDF: 11915313.1/77



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.572+/-18.733 χ^2/NDF:39.1/21

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 0.013+/-18.835 χ^2/NDF:20.8/20

Left: -11.843+/-13.282 χ^2/NDF: 60.7/42

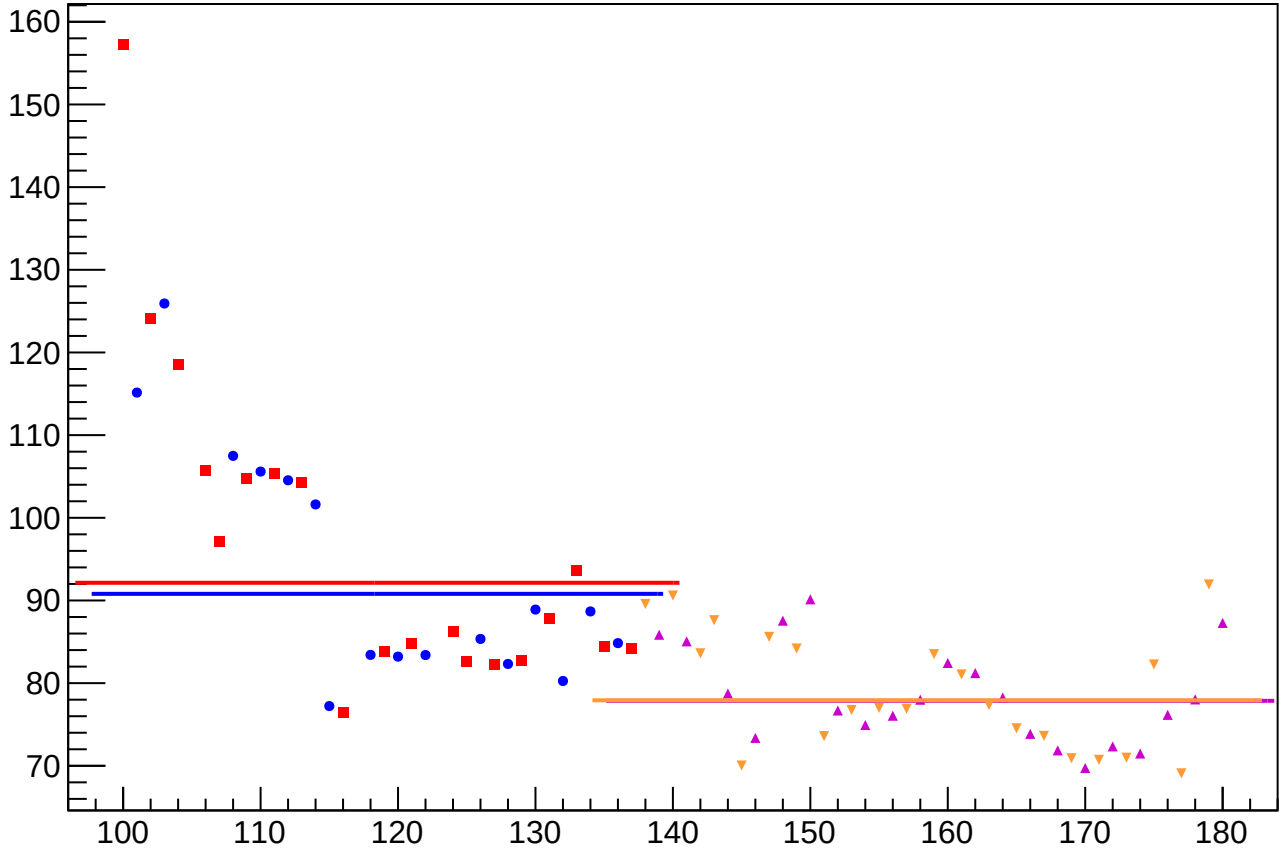
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 37.300+/-16.495 χ^2/NDF:48.7/36

Out: 15.105+/-16.431 χ^2/NDF:75.0/40

All: 26.160+/-11.641 χ^2/NDF: 124.6/77

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

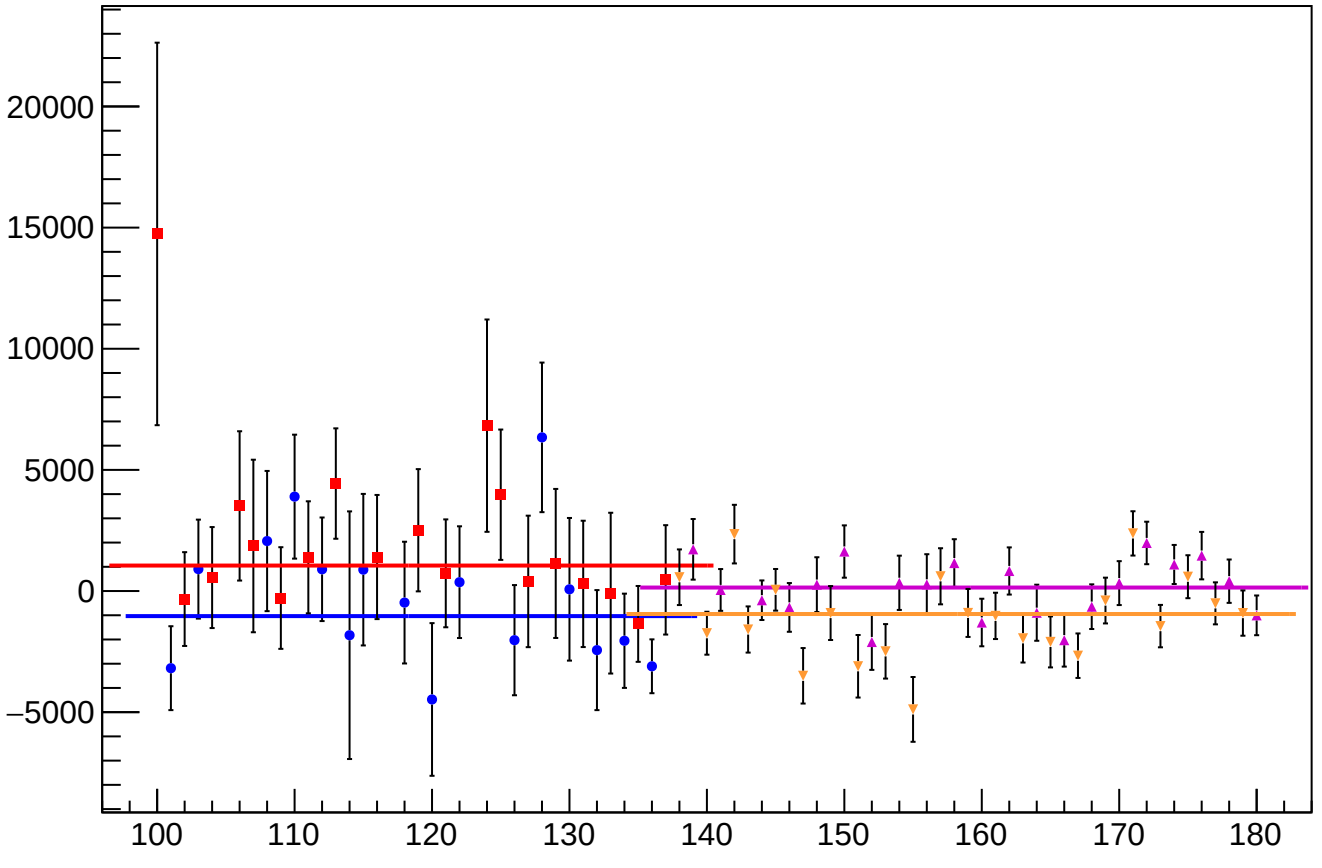
Left: 77.894+/-0.009 χ^2/NDF: 448674.6/42

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.877+/-0.012 χ^2/NDF:674568.4/36

Out: 81.204+/-0.012 χ^2/NDF:834524.3/40

All: 81.041+/-0.008 χ^2/NDF: 1509485.8/77



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -948.797+/-213.136 χ^2/NDF:54.8/21

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 143.884+/-213.046 χ^2/NDF:27.3/20

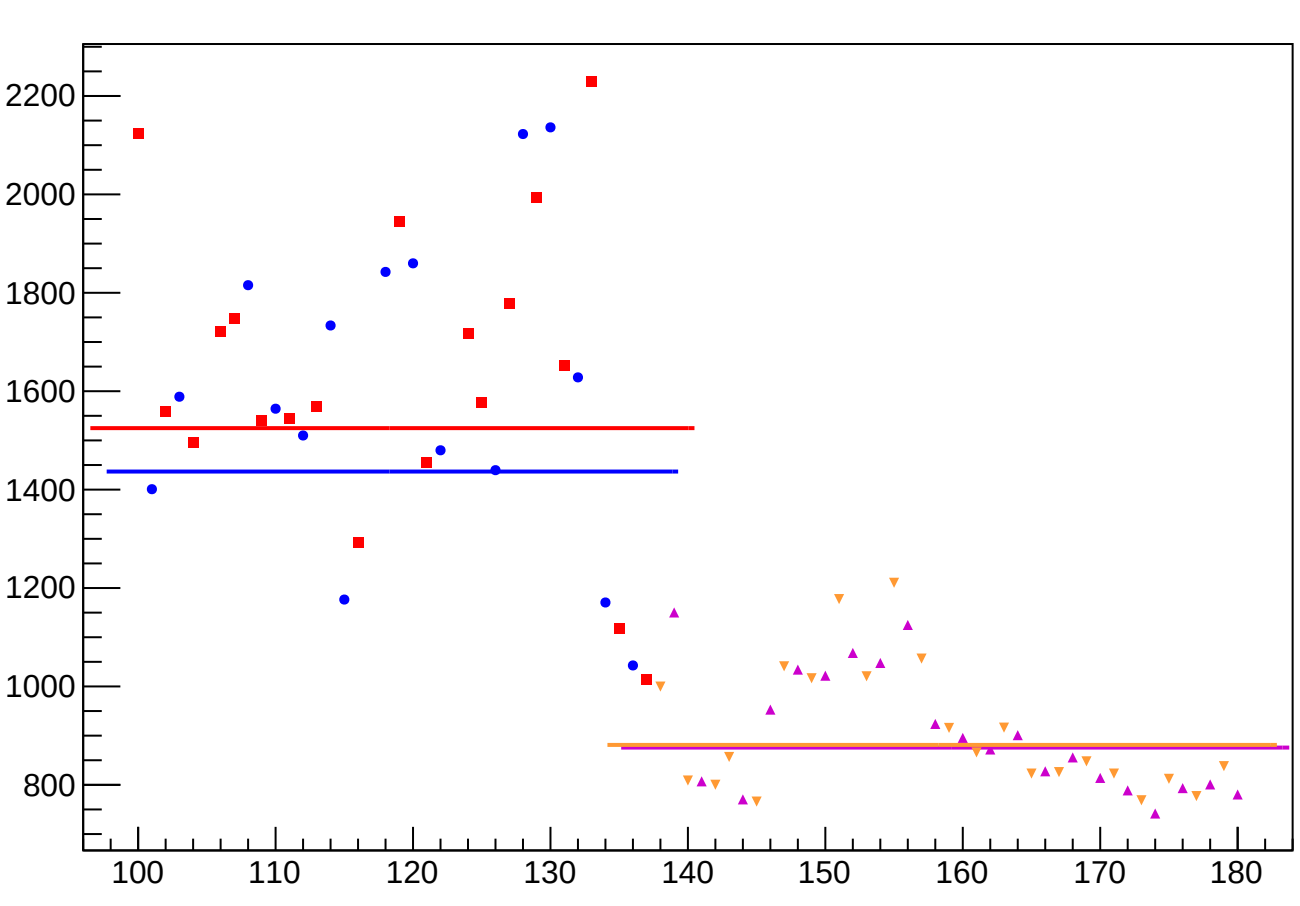
Left: -402.227+/-150.678 χ^2/NDF: 95.3/42

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -9.828+/-198.673 χ^2/NDF:51.6/36

Out: -702.618+/-199.590 χ^2/NDF:78.5/40

All: -354.626+/-140.806 χ^2/NDF: 136.2/77



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 881.163+/-0.151 χ^2/NDF:560489.2/21

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 875.735+/-0.151 χ^2/NDF:563863.3/20

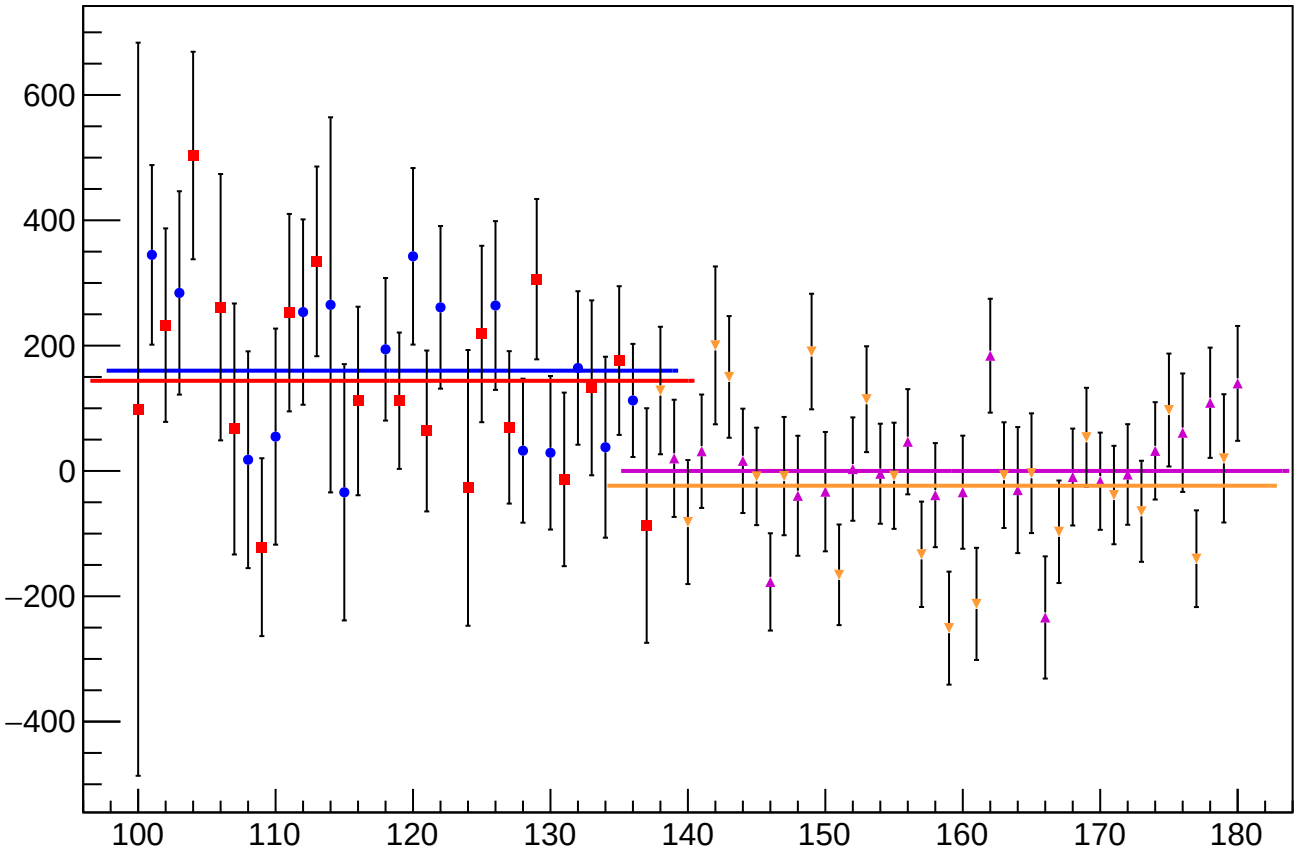
Left: 878.447+/-0.107 χ^2/NDF: 1125001.3/42

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 948.880+/-0.140 χ^2/NDF:3047669.7/36

Out: 960.394+/-0.141 χ^2/NDF:3310806.5/40

All: 954.611+/-0.100 χ^2/NDF: 6361819.9/77



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 0.010+/-18.835 χ^2/NDF:20.8/20

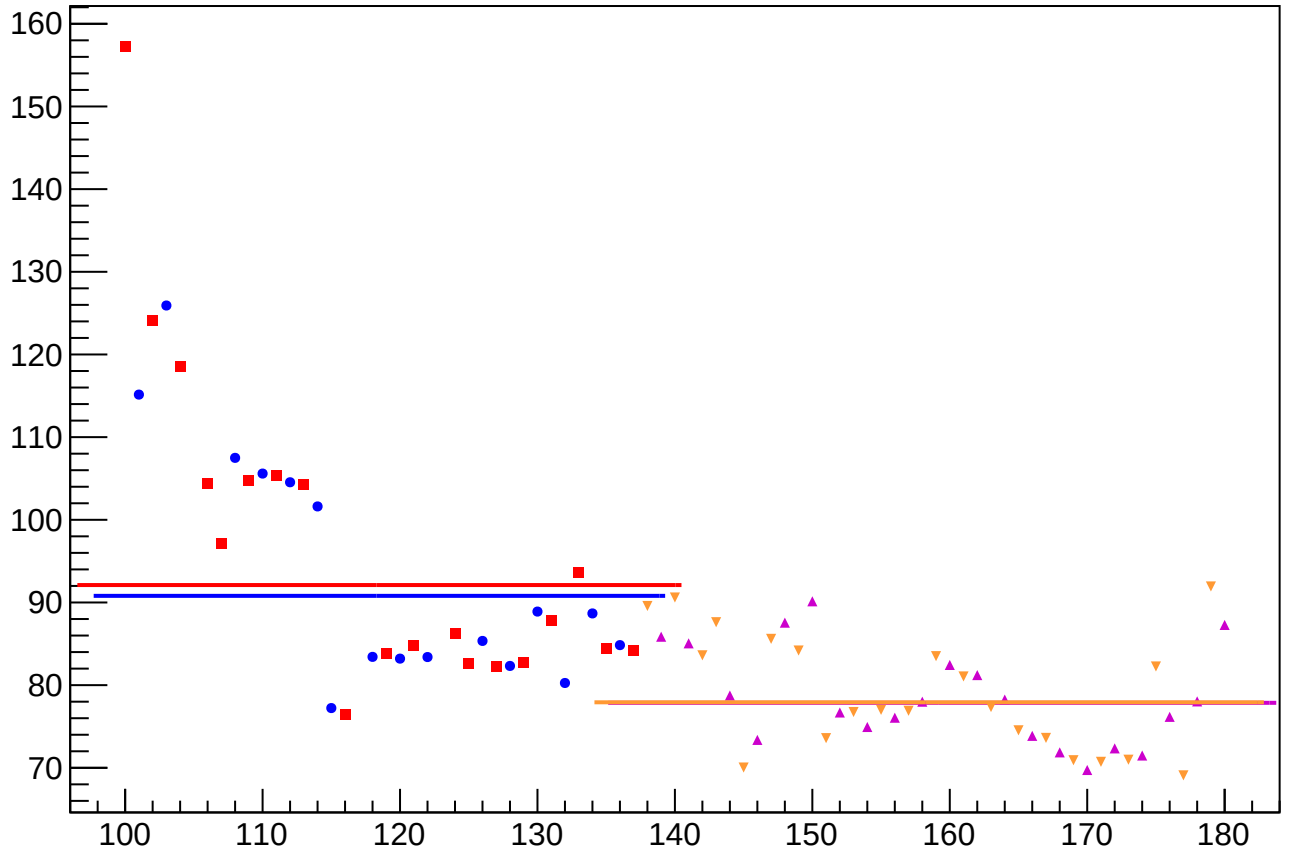
Left: -11.843+/-13.282 χ^2/NDF: 60.7/42

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 37.297+/-16.495 χ^2/NDF:48.7/36

Out: 15.044+/-16.431 χ^2/NDF:74.9/40

All: 26.128+/-11.641 χ^2/NDF: 124.5/77



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

Left: 77.894+/-0.009 χ^2/NDF: 448674.6/42

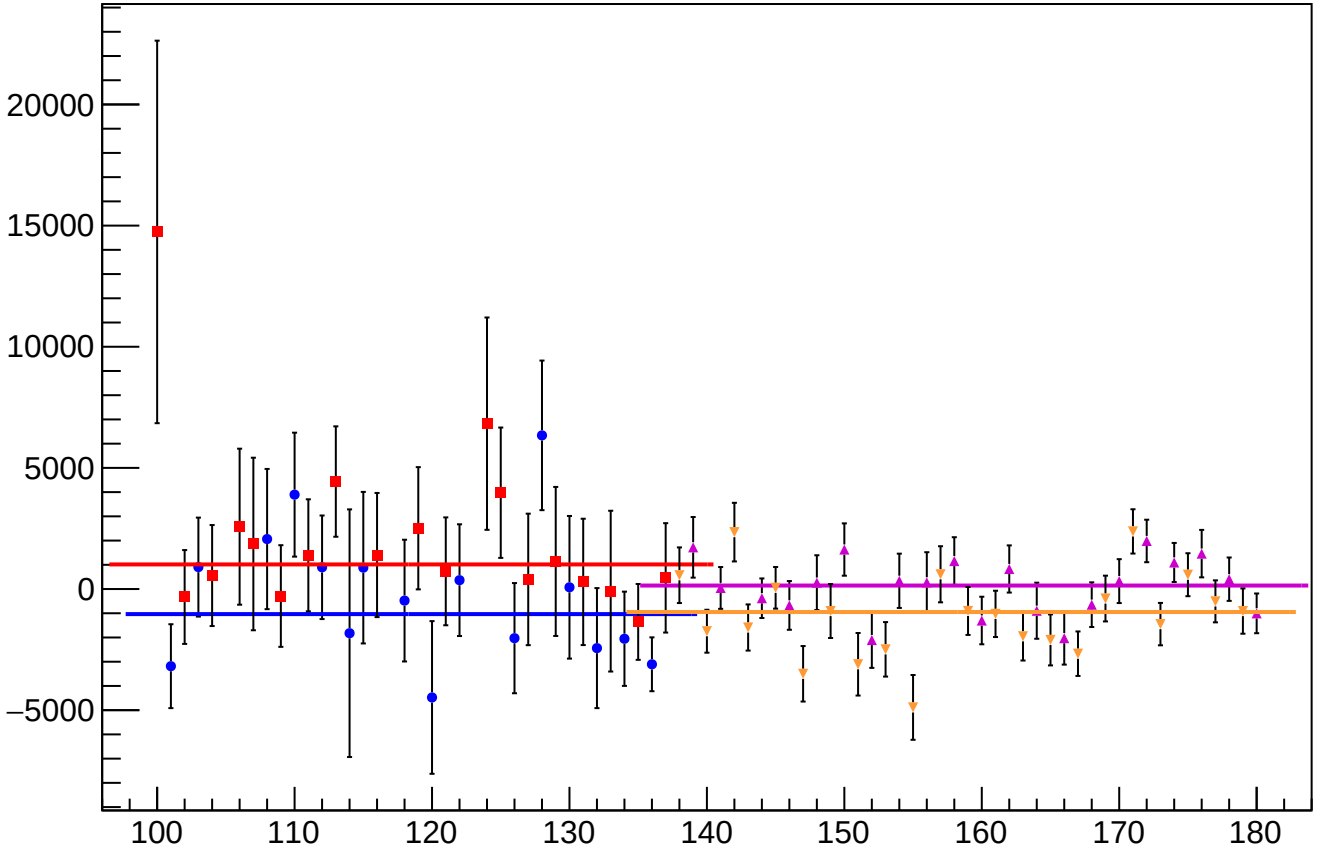
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.877+/-0.012 χ^2/NDF:674570.4/36

Out: 81.196+/-0.012 χ^2/NDF:831999.5/40

All: 81.037+/-0.008 χ^2/NDF: 1506944.0/77

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: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 143.884+/-213.046 χ^2/NDF:27.3/20

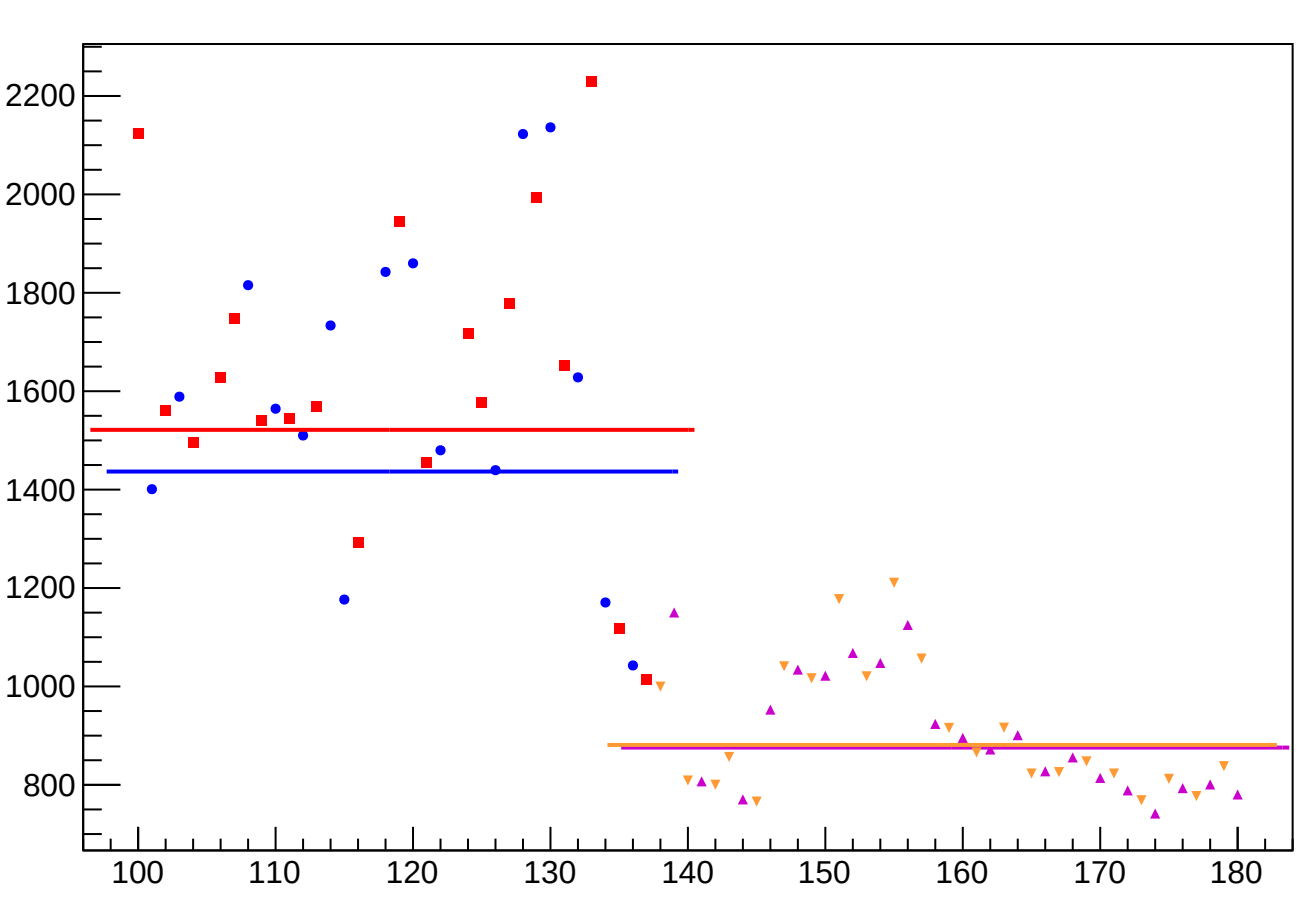
Left: -402.226+/-150.678 χ^2/NDF: 95.3/42

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -9.824+/-198.673 χ^2/NDF:51.6/36

Out: -707.685+/-199.626 χ^2/NDF:77.7/40

All: -357.084+/-140.819 χ^2/NDF: 135.4/77



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

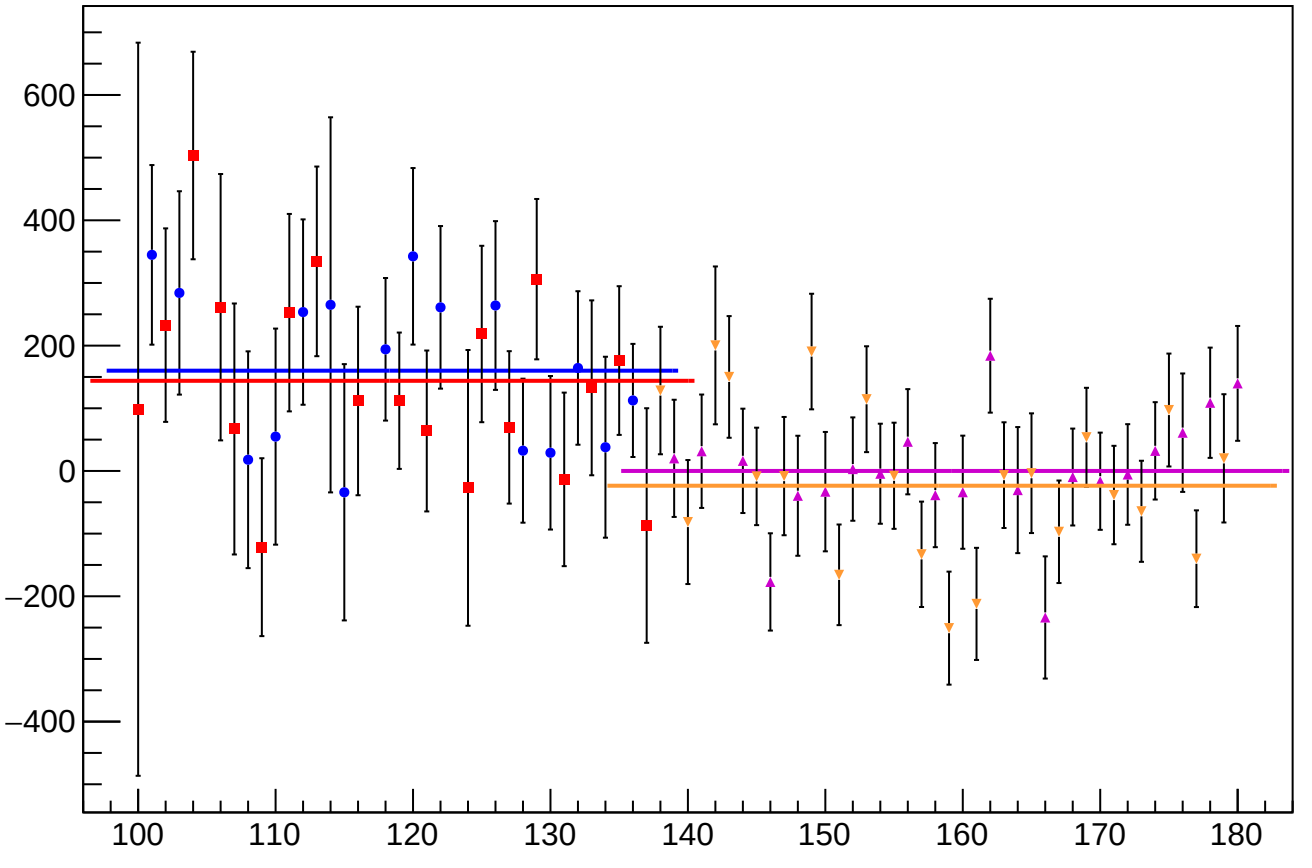
Left: 878.447+/-0.107 χ^2/NDF: 1125001.0/42

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 948.880+/-0.140 χ^2/NDF:3047688.1/36

Out: 959.765+/-0.141 χ^2/NDF:3274811.7/40

All: 954.297+/-0.100 χ^2/NDF: 6325487.2/77



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 0.010+/-18.835 χ^2/NDF:20.8/20

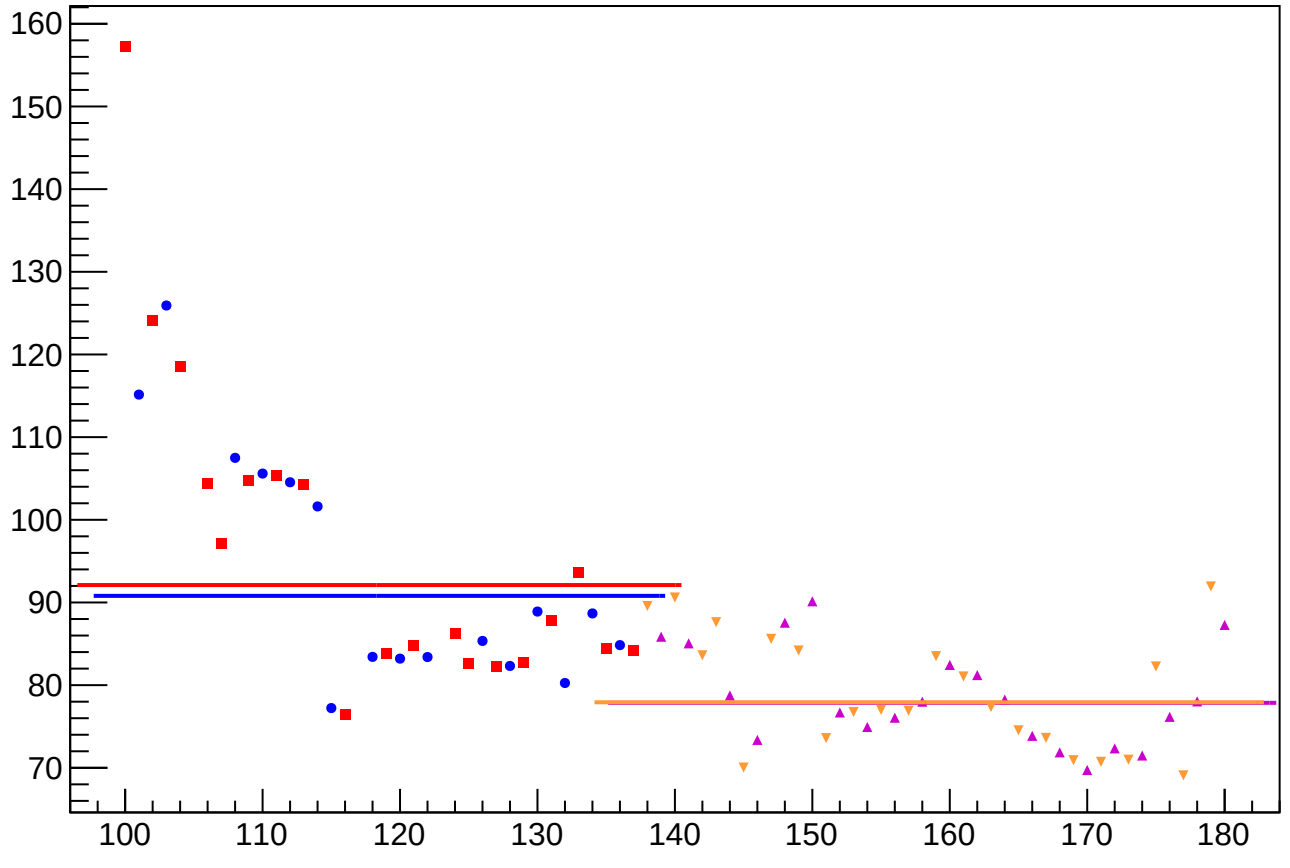
Left: -11.843+/-13.282 χ^2/NDF: 60.7/42

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 37.297+/-16.495 χ^2/NDF:48.7/36

Out: 15.044+/-16.431 χ^2/NDF:74.9/40

All: 26.128+/-11.641 χ^2/NDF: 124.5/77



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.862+/-0.013 χ^2/NDF:181838.7/20

Left: 77.894+/-0.009 χ^2/NDF: 448674.6/42

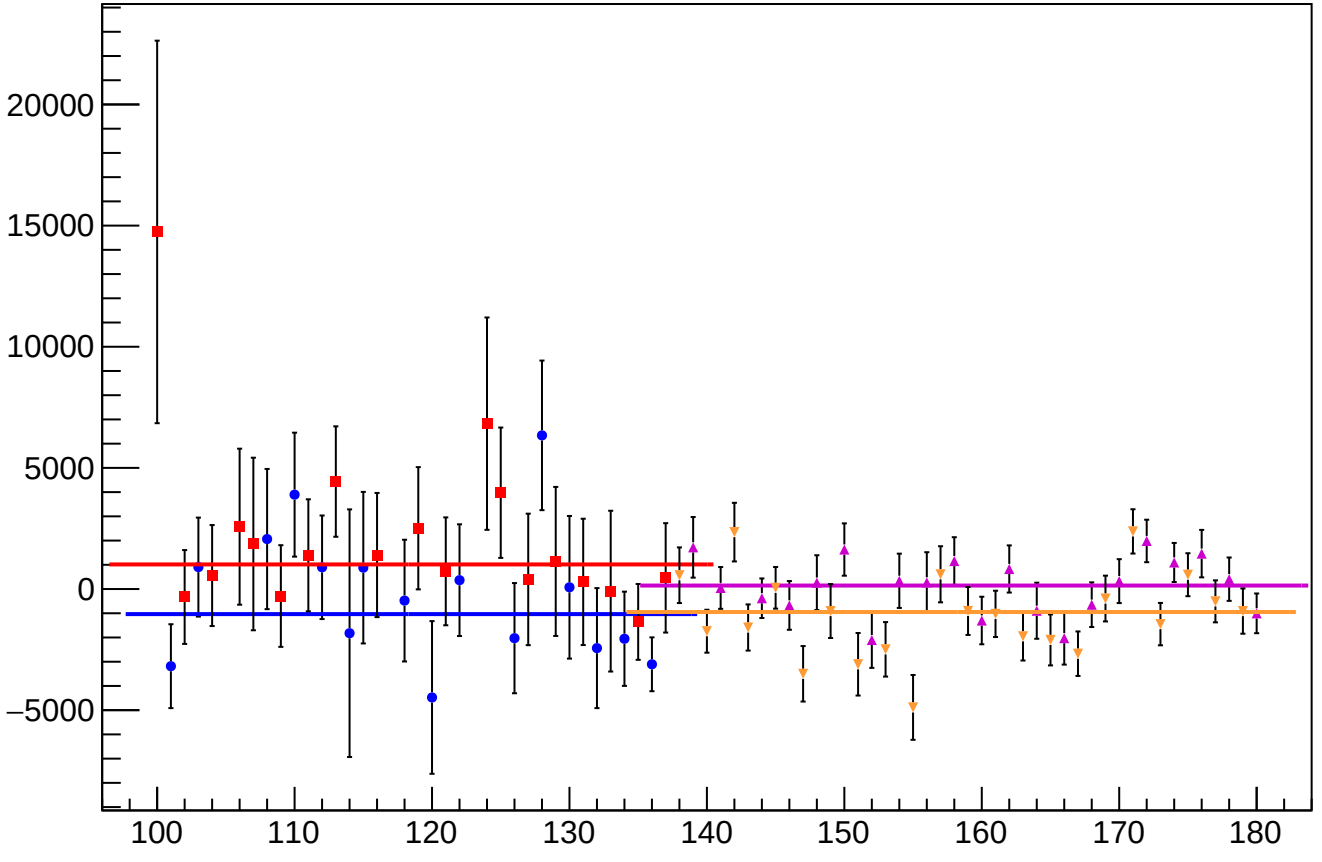
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.877+/-0.012 χ^2/NDF:674570.4/36

Out: 81.196+/-0.012 χ^2/NDF:831999.5/40

All: 81.037+/-0.008 χ^2/NDF: 1506944.0/77

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: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 143.884+/-213.046 χ^2/NDF:27.3/20

Left: -402.226+/-150.678 χ^2/NDF: 95.3/42

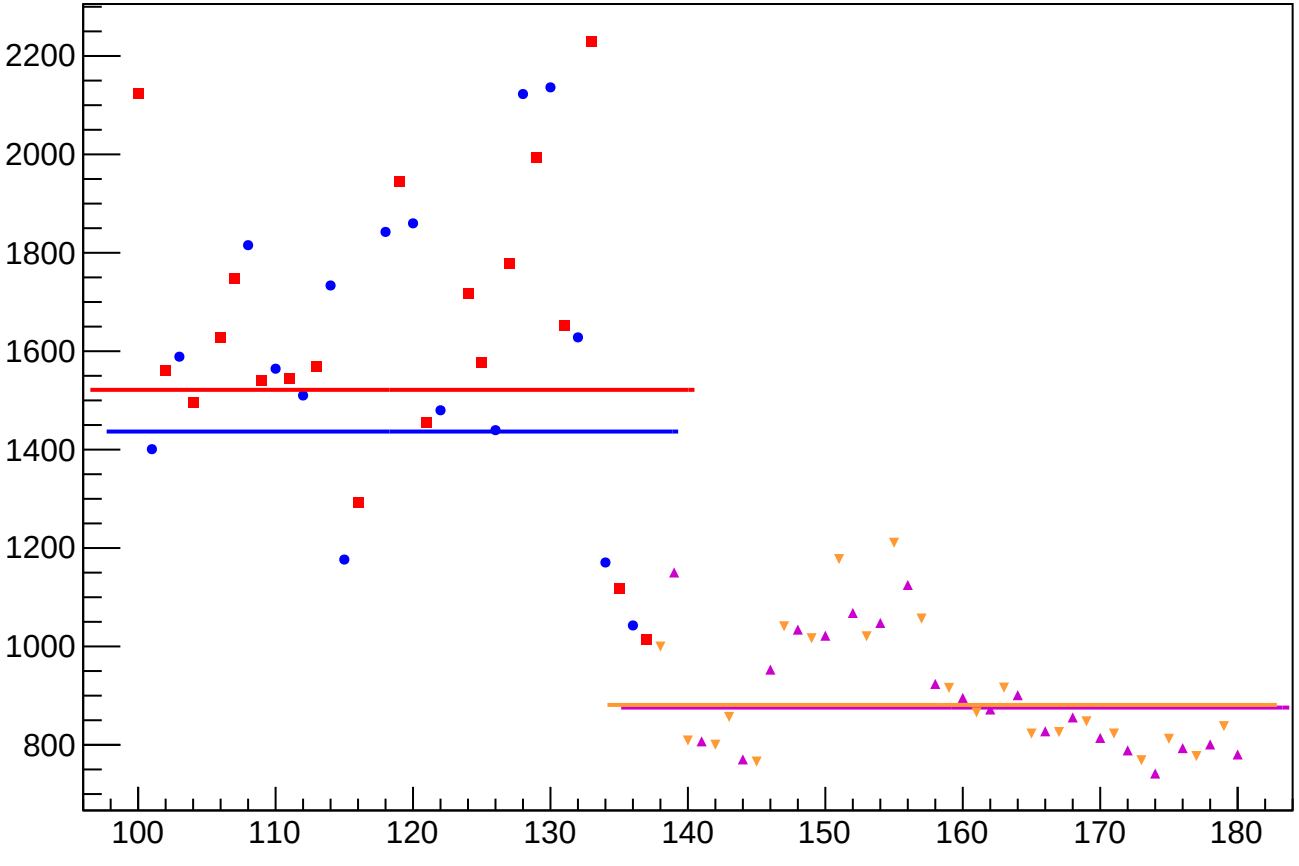
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -9.824+/-198.673 χ^2/NDF:51.6/36

Out: -707.685+/-199.626 χ^2/NDF:77.7/40

All: -357.084+/-140.819 χ^2/NDF: 135.4/77

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: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 875.735+/-0.151 χ^2/NDF:563861.9/20

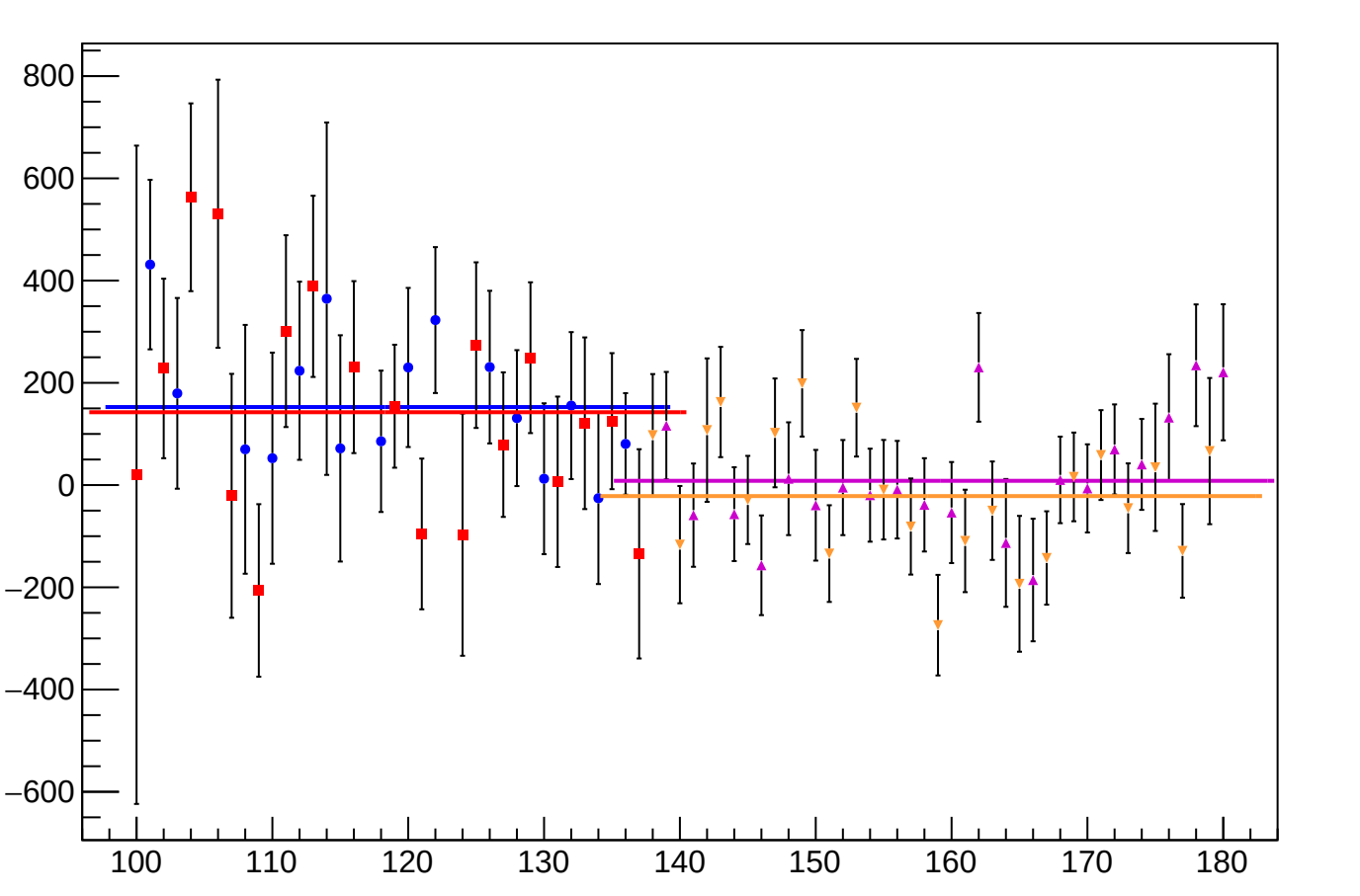
Left: 878.447+/-0.107 χ^2/NDF: 1125001.0/42

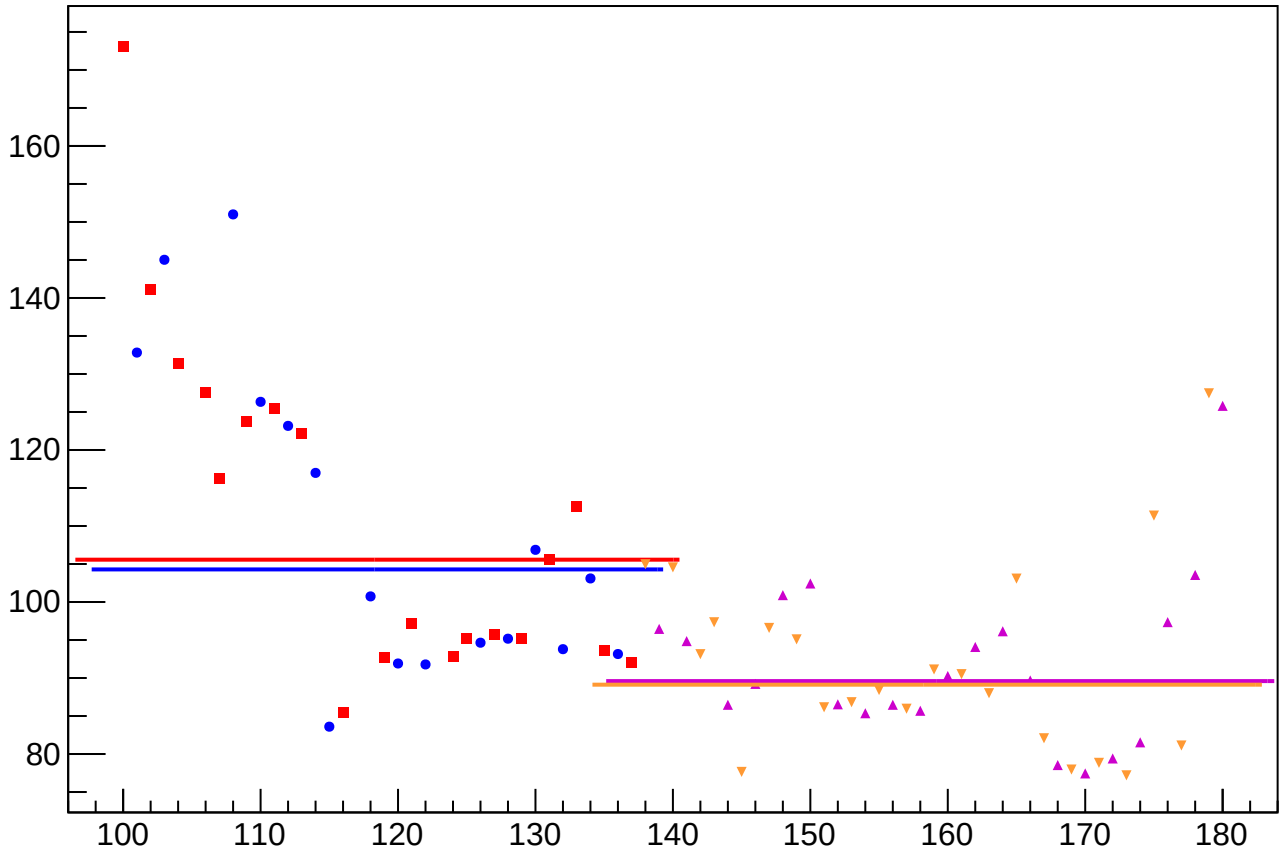
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 948.880+/-0.140 χ^2/NDF:3047688.1/36

Out: 959.765+/-0.141 χ^2/NDF:3274811.7/40

All: 954.297+/-0.100 χ^2/NDF: 6325487.2/77


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -21.562+/-21.567 χ²/NDF:30.3/21
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 8.343+/-21.864 χ²/NDF:21.6/20
Left: -6.814+/-15.354 χ²/NDF: 52.8/42
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 42.252+/-19.123 χ²/NDF:40.5/36
Out: 16.351+/-18.912 χ²/NDF:66.6/40
All: 29.158+/-13.447 χ²/NDF: 108.0/77



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 89.122+/-0.015 χ^2/NDF:497676.6/21

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 89.594+/-0.015 χ^2/NDF:387153.8/20

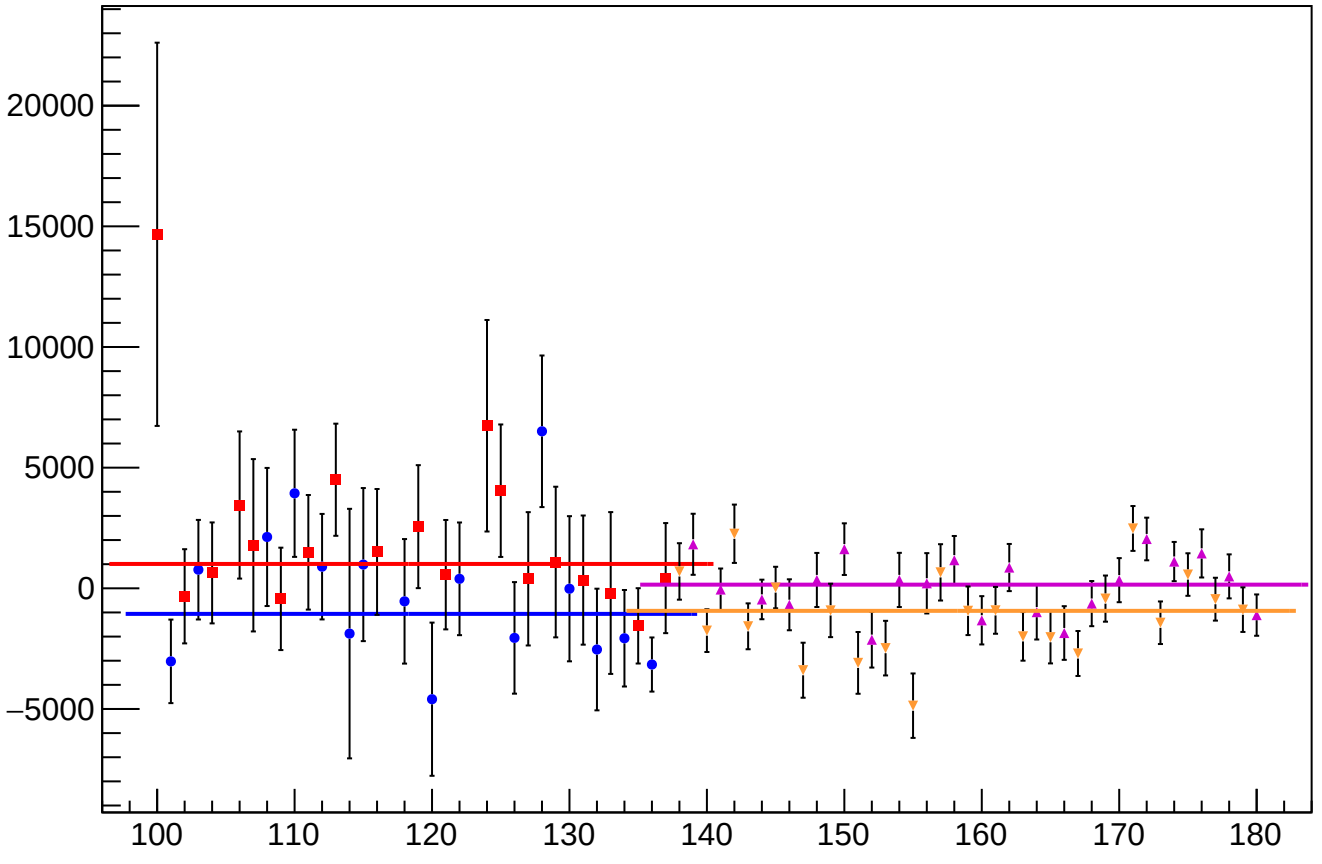
Left: 89.355+/-0.011 χ^2/NDF: 885303.0/42

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.047+/-0.014 χ^2/NDF:977704.9/36

Out: 92.923+/-0.013 χ^2/NDF:1111035.1/40

All: 92.984+/-0.010 χ^2/NDF: 2088782.8/77



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 151.848+/-215.604 χ^2/NDF:27.5/20

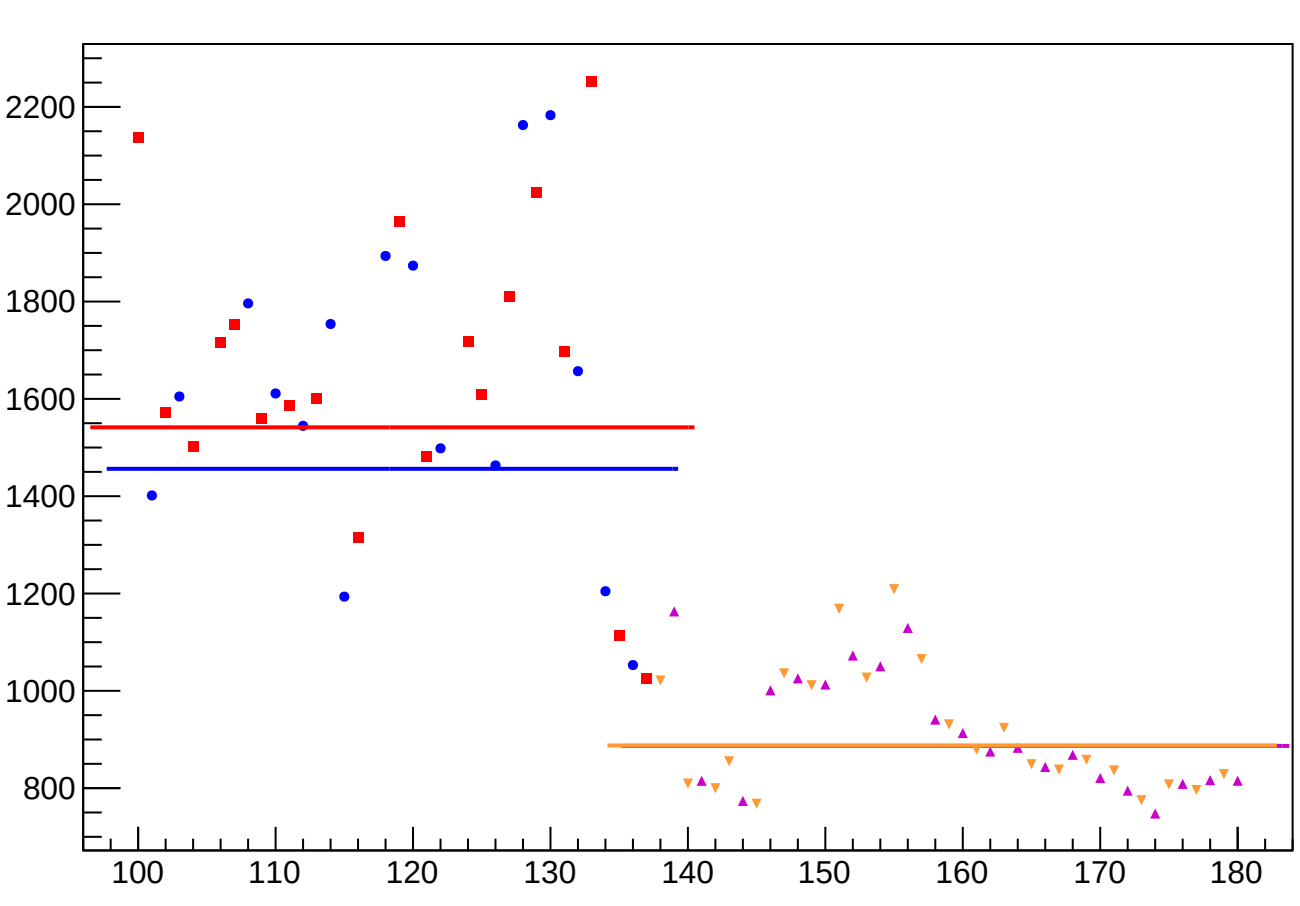
Left: -393.518+/-152.093 χ^2/NDF: 94.7/42

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -5.664+/-201.097 χ^2/NDF:51.7/36

Out: -696.204+/-201.044 χ^2/NDF:77.7/40

All: -351.025+/-142.178 χ^2/NDF: 135.3/77



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 887.775+/-0.152 χ^2/NDF:541761.2/21

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 886.807+/-0.152 χ^2/NDF:538303.4/20

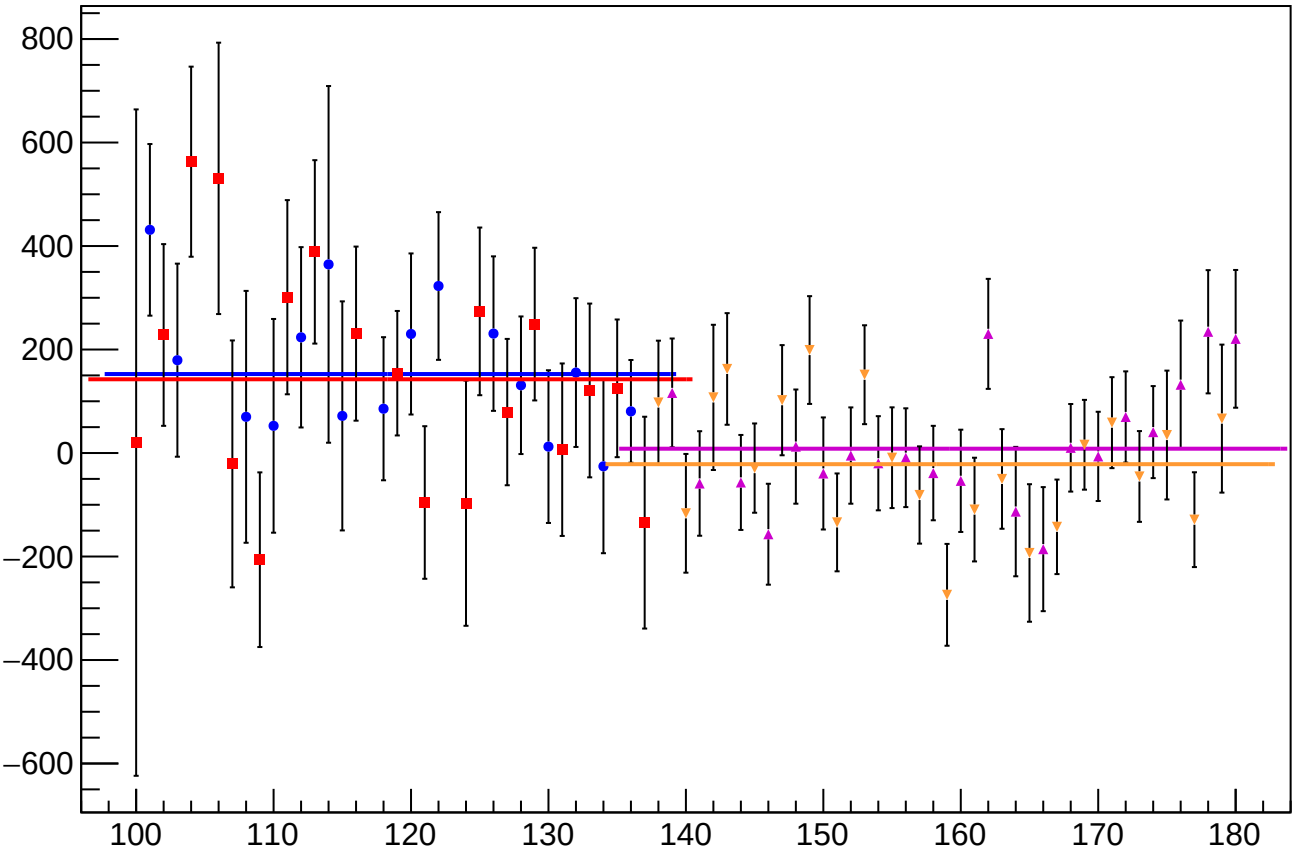
Left: 887.293+/-0.108 χ^2/NDF: 1080084.9/42

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 960.867+/-0.142 χ^2/NDF:3037760.3/36

Out: 967.667+/-0.142 χ^2/NDF:3329685.0/40

All: 964.268+/-0.101 χ^2/NDF: 6368589.1/77



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -21.562+/-21.567 χ^2/NDF:30.3/21

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: 8.342+/-21.864 χ^2/NDF:21.6/20

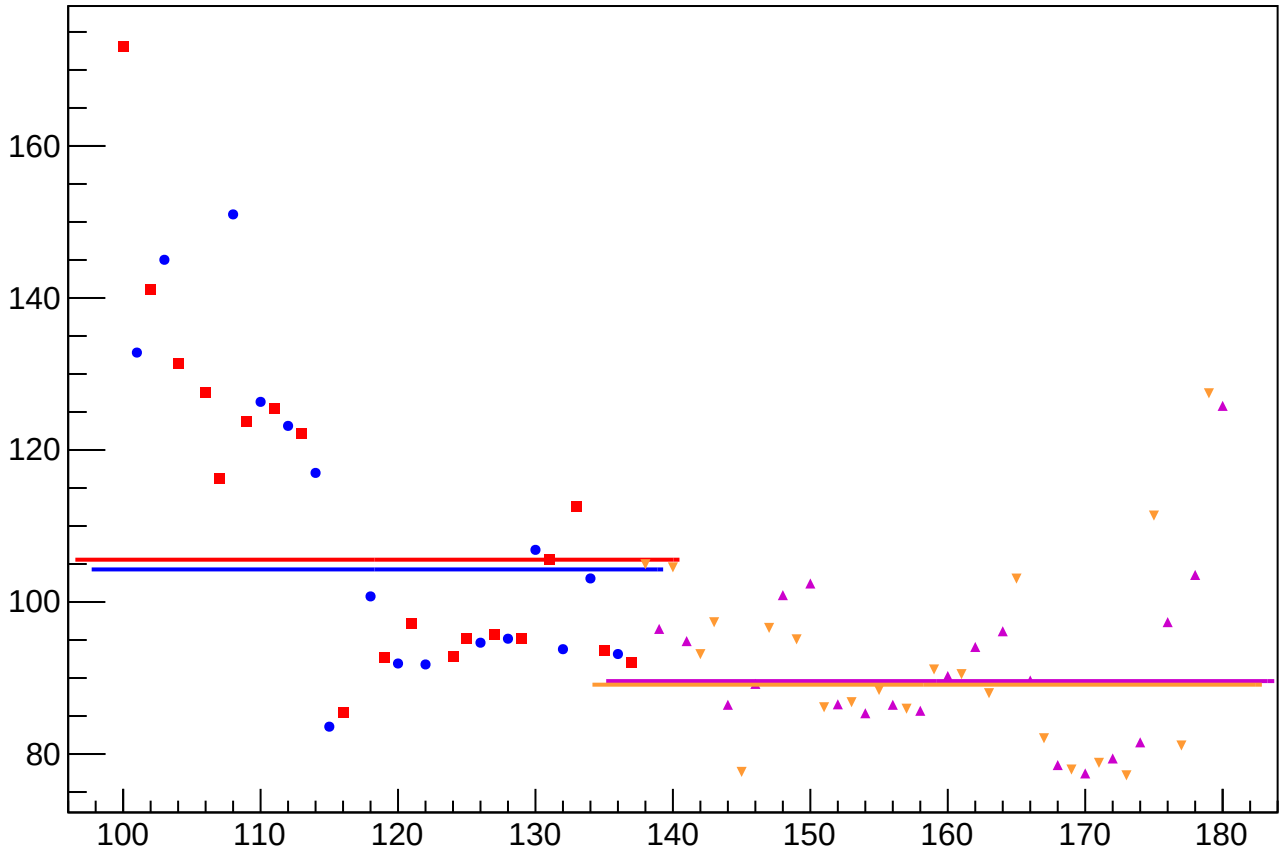
Left: -6.815+/-15.354 χ^2/NDF: 52.8/42

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 42.253+/-19.123 χ^2/NDF:40.5/36

Out: 16.350+/-18.912 χ^2/NDF:66.6/40

All: 29.158+/-13.447 χ^2/NDF: 108.0/77



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 89.122+/-0.015 χ^2/NDF:497684.9/21

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 89.594+/-0.015 χ^2/NDF:387145.1/20

Left: 89.355+/-0.011 χ^2/NDF: 885302.4/42

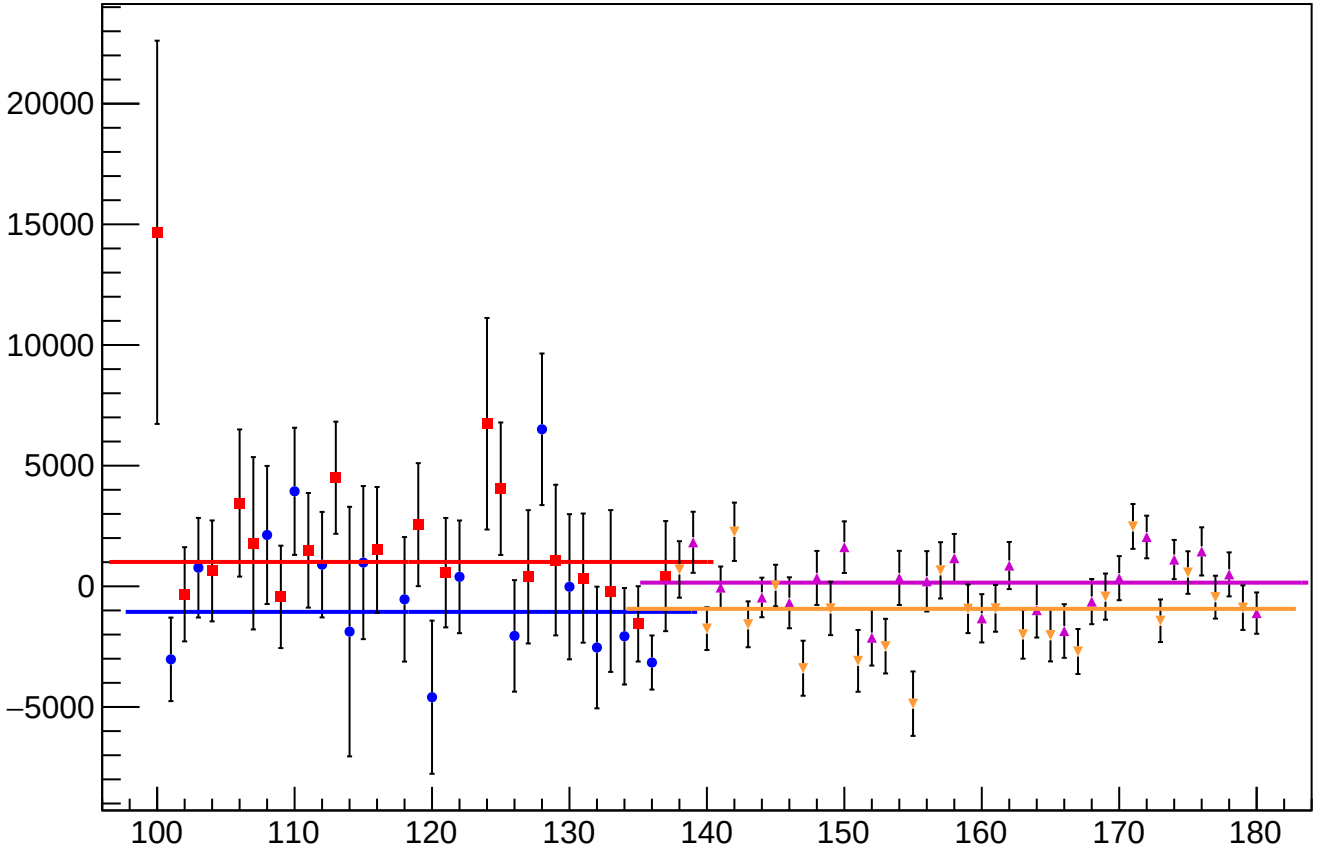
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.047+/-0.014 χ^2/NDF:977673.7/36

Out: 92.923+/-0.013 χ^2/NDF:1111018.6/40

All: 92.984+/-0.010 χ^2/NDF: 2088735.0/77

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: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 151.847+/-215.604 χ^2/NDF:27.5/20

Left: -393.518+/-152.093 χ^2/NDF: 94.7/42

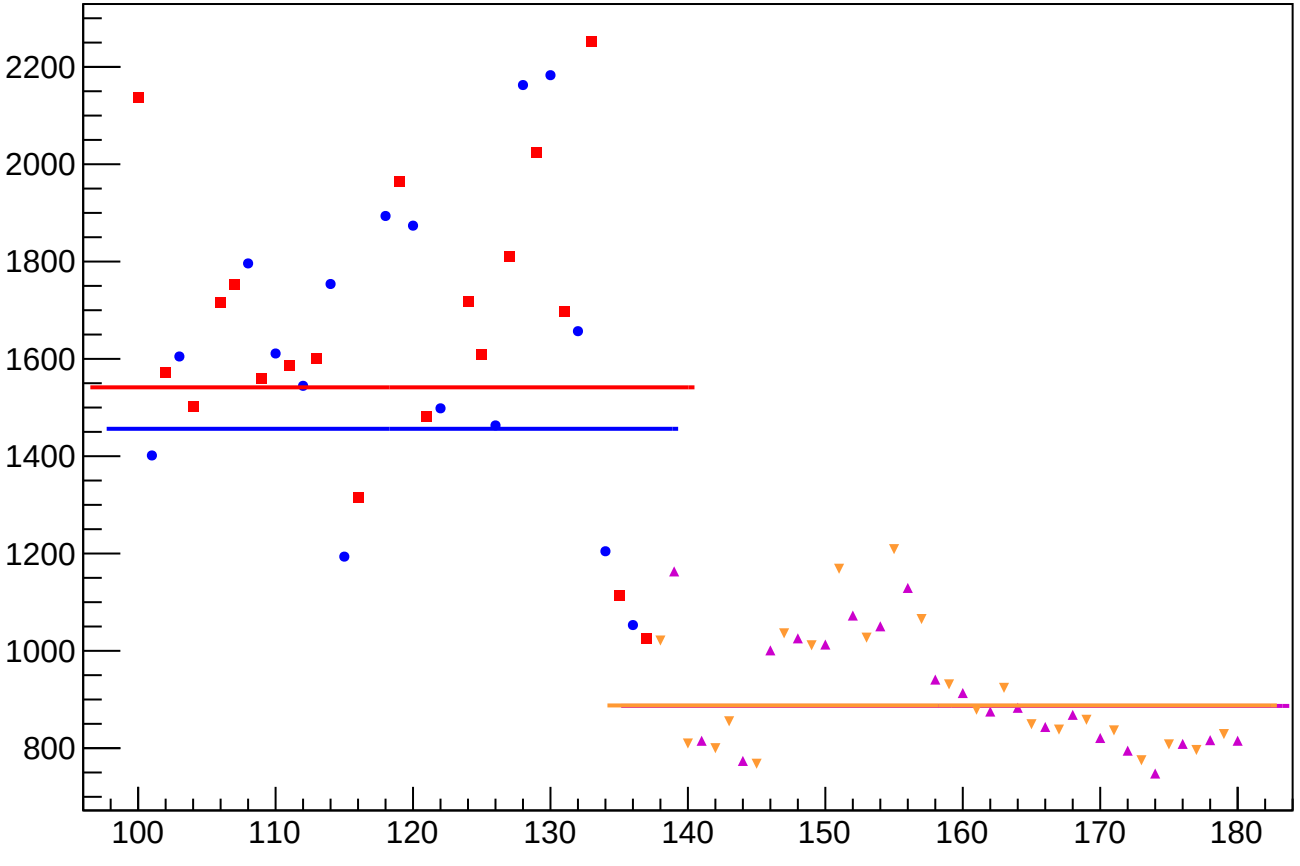
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -5.664+/-201.097 χ^2/NDF:51.7/36

Out: -696.204+/-201.044 χ^2/NDF:77.7/40

All: -351.024+/-142.178 χ^2/NDF: 135.3/77

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 887.774+/-0.152 χ^2/NDF:541761.6/21

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 886.806+/-0.152 χ^2/NDF:538303.9/20

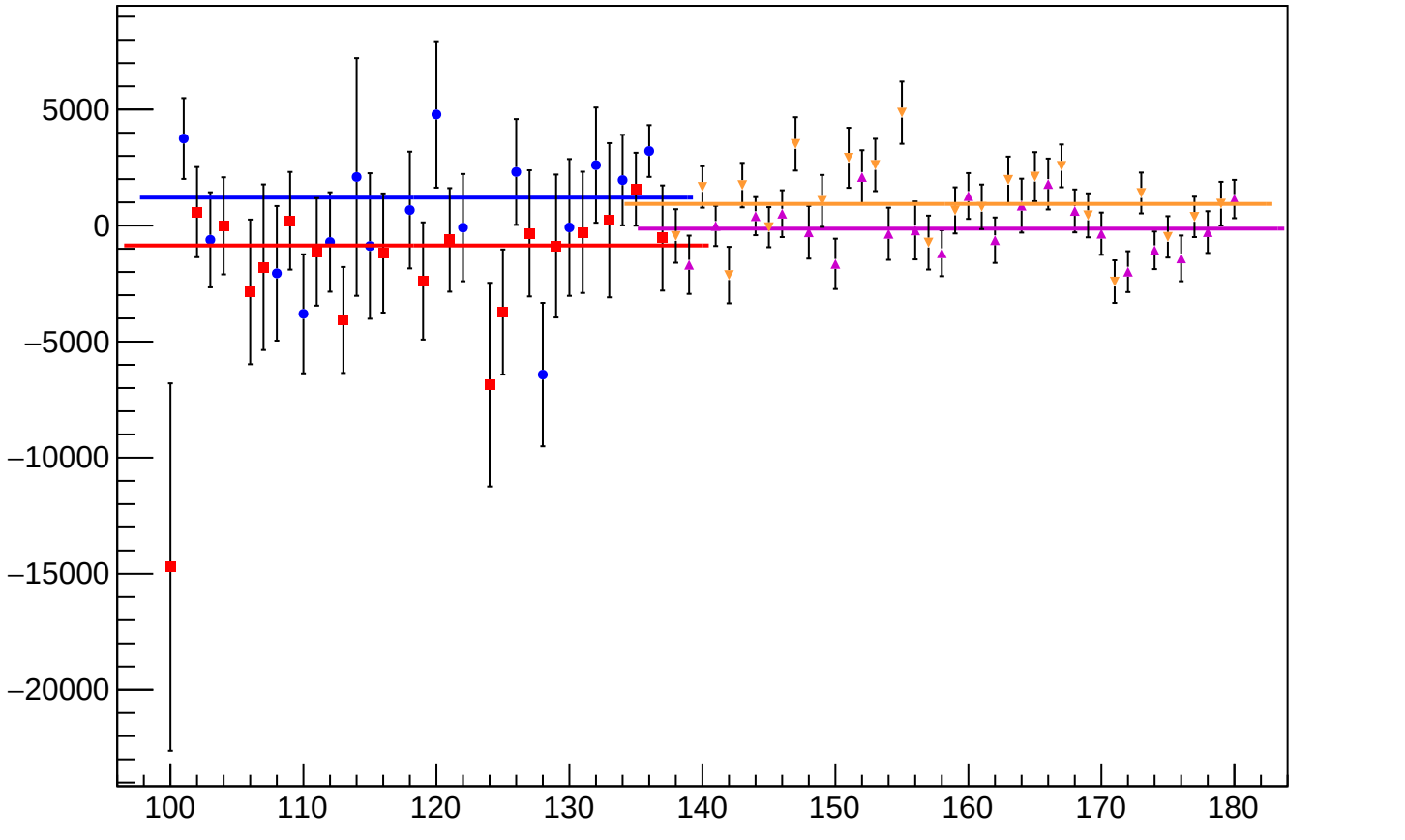
Left: 887.293+/-0.108 χ^2/NDF: 1080085.7/42

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 960.866+/-0.142 χ^2/NDF:3037753.4/36

Out: 967.667+/-0.142 χ^2/NDF:3329677.1/40

All: 964.267+/-0.101 χ^2/NDF: 6368574.4/77



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 934.079+/-214.042 χ^2/NDF:53.2/21

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -132.589+/-213.954 χ^2/NDF:26.0/20

Left: 400.526+/-151.319 χ^2/NDF: 91.6/42

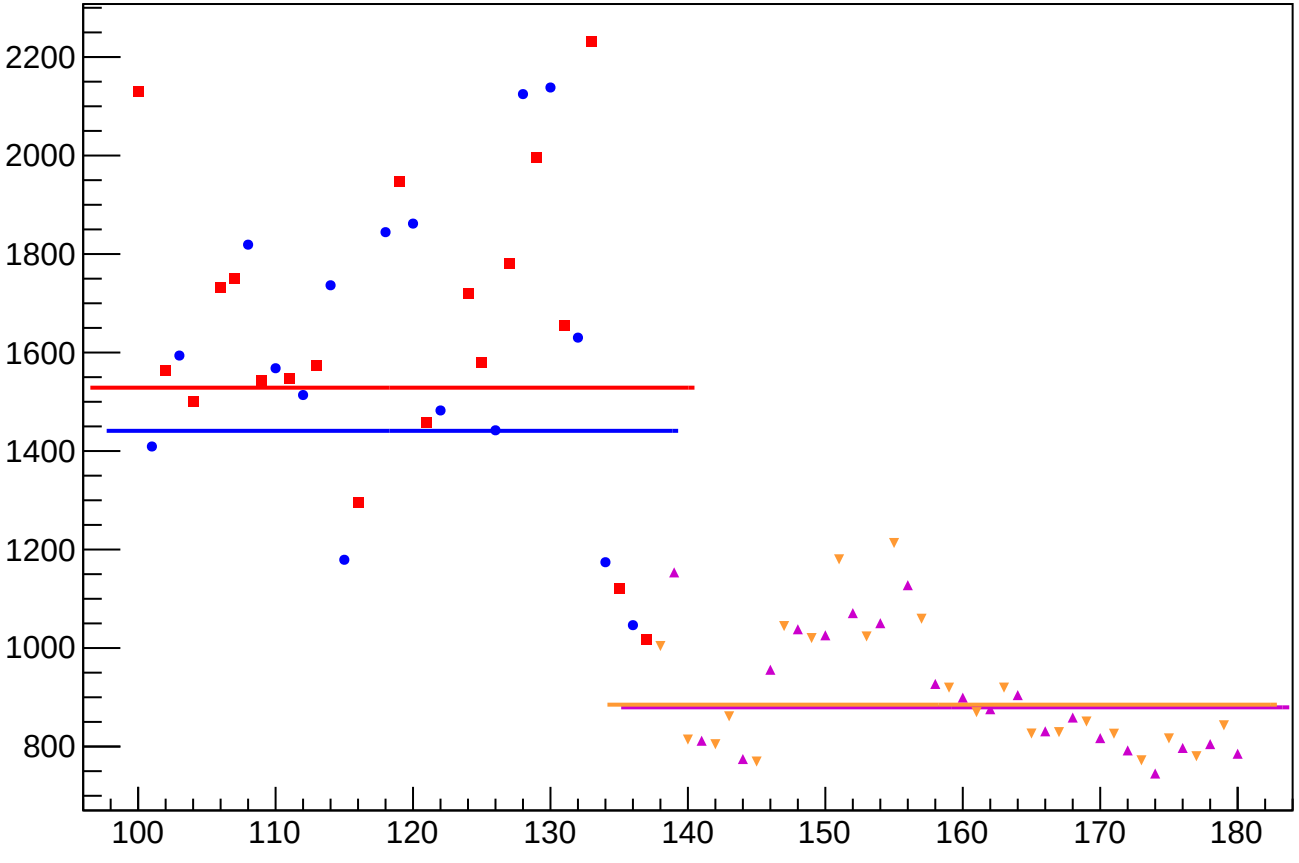
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 42.223+/-199.480 χ^2/NDF:52.2/36

Out: 712.716+/-200.397 χ^2/NDF:74.4/40

All: 375.932+/-141.377 χ^2/NDF: 132.2/77

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 885.022+/-0.151 χ^2/NDF:554373.4/21

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 879.578+/-0.151 χ^2/NDF:556868.2/20

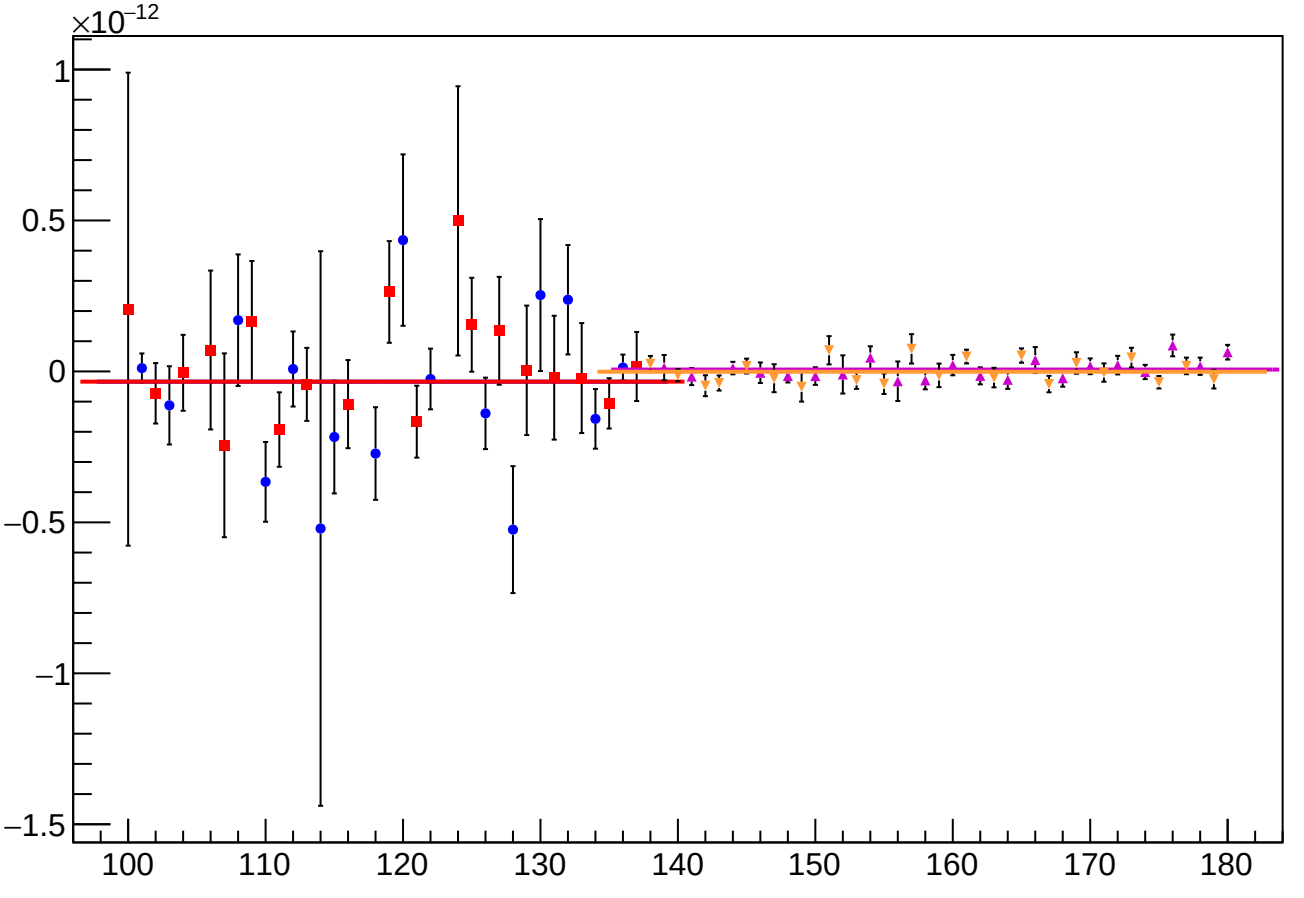
Left: 882.299+/-0.107 χ^2/NDF: 1111888.9/42

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 952.971+/-0.141 χ^2/NDF:3027886.4/36

Out: 964.468+/-0.142 χ^2/NDF:3288331.2/40

All: 958.693+/-0.100 χ^2/NDF: 6319524.2/77



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:20.1/20

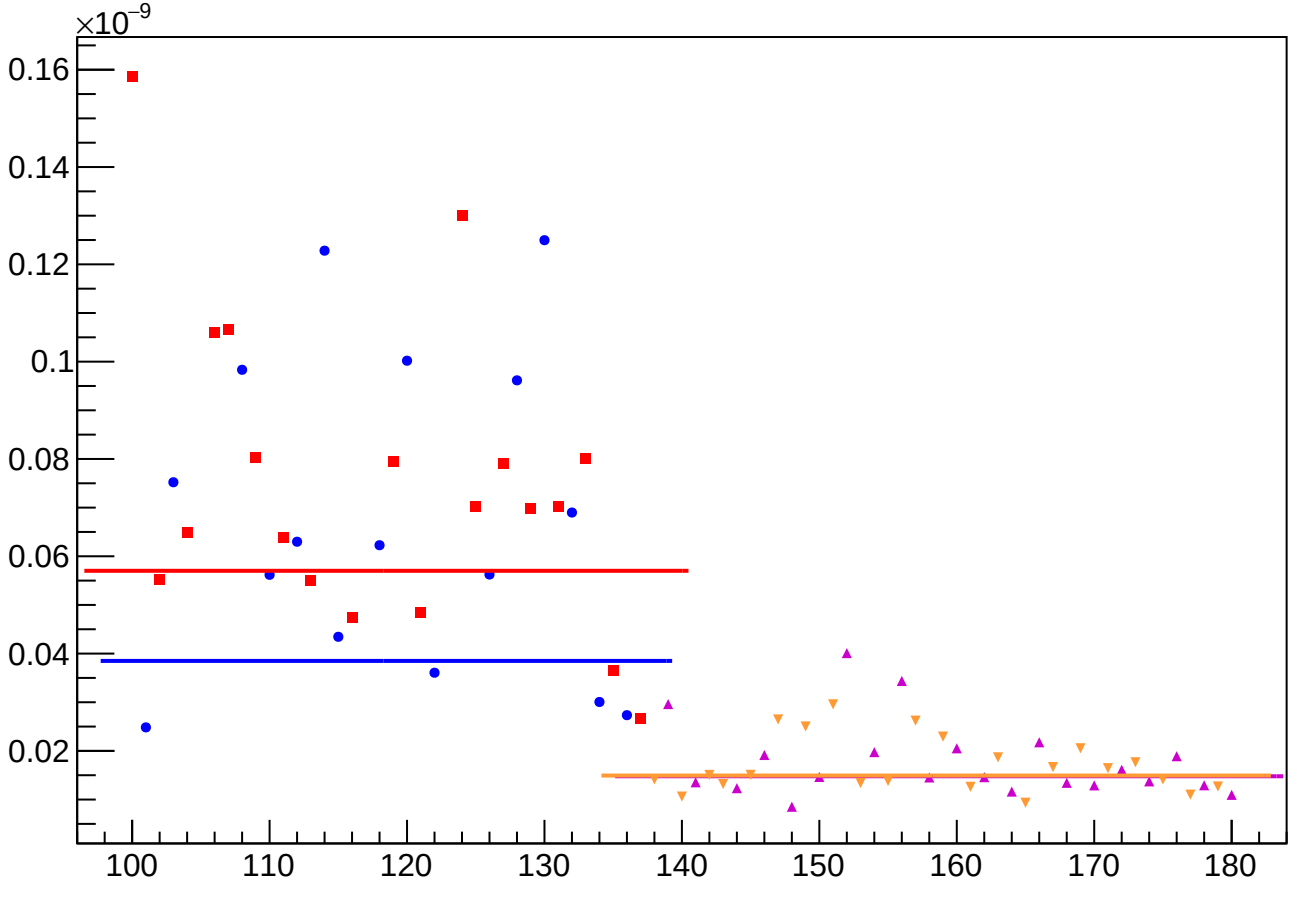
Left: 0.000+/-0.000 χ^2/NDF: 54.3/42

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: 0.000+/-0.000 χ^2/NDF:49.9/36

Out: -0.000+/-0.000 χ^2/NDF:47.4/40

All: 0.000+/-0.000 χ^2/NDF: 97.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:994915.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1256807.3/20

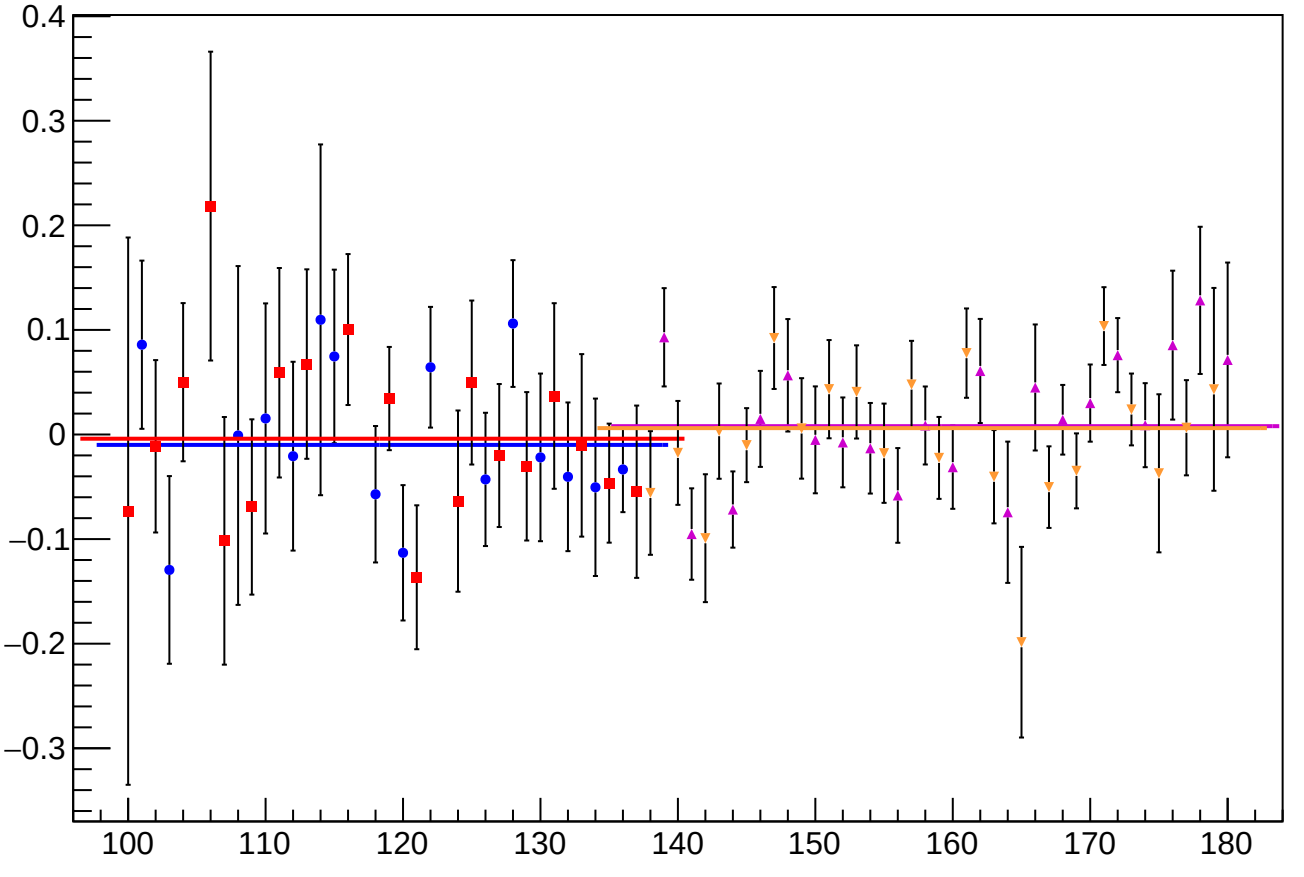
Left: 0.000+/-0.000 χ^2/NDF: 2252282.6/42

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4317728.4/36

Out: 0.000+/-0.000 χ^2/NDF:4655141.9/40

All: 0.000+/-0.000 χ^2/NDF: 8972888.5/77



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.010 χ^2/NDF:29.6/20

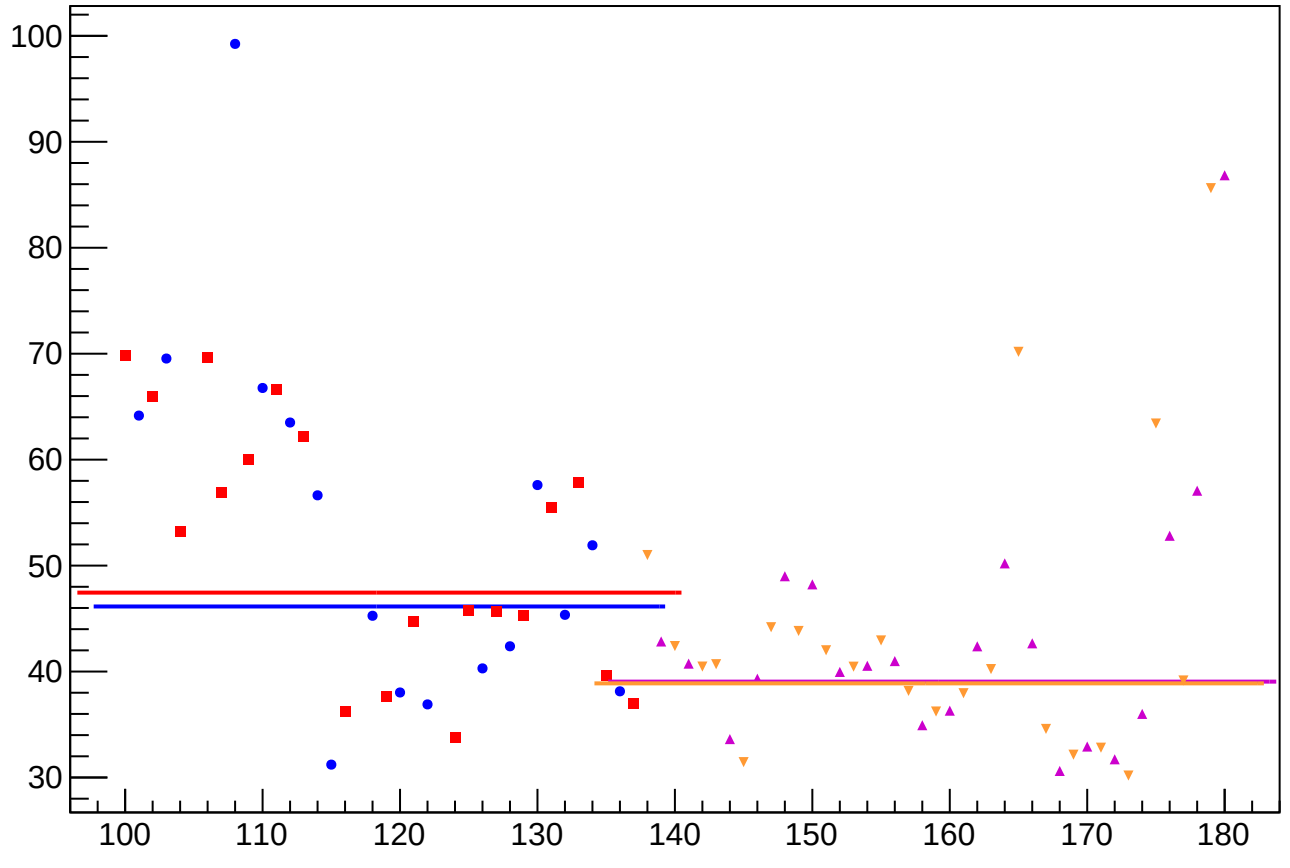
Left: 0.007+/-0.007 χ^2/NDF: 60.3/42

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:44.6/36

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 89.3/77



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

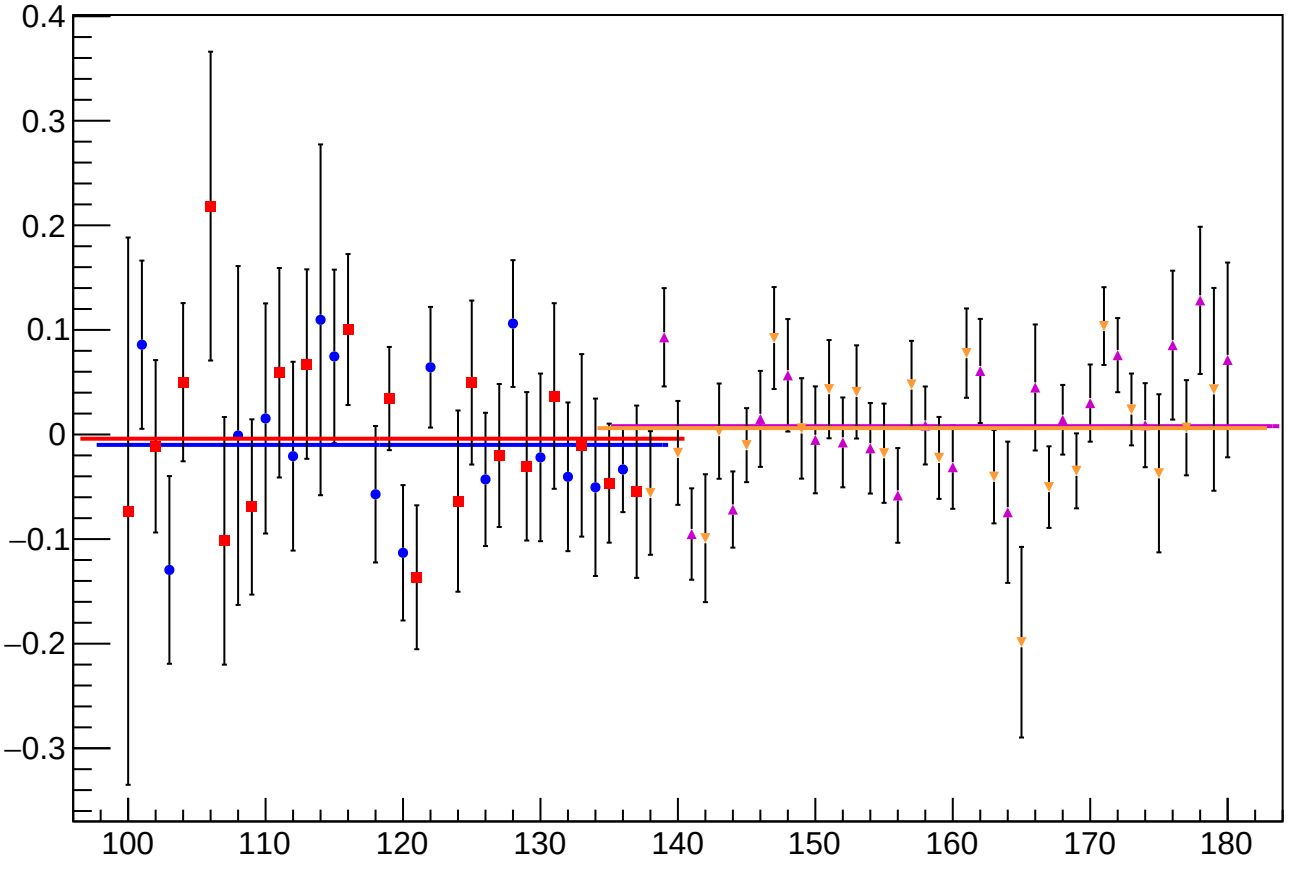
Left: 38.965+/-0.005 χ^2/NDF: 2776480.9/42

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.684+/-0.006 χ^2/NDF:2460613.2/36

Out: 40.791+/-0.006 χ^2/NDF:2461105.8/40

All: 40.738+/-0.004 χ^2/NDF: 4921874.4/77



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.010 χ^2/NDF:29.6/20

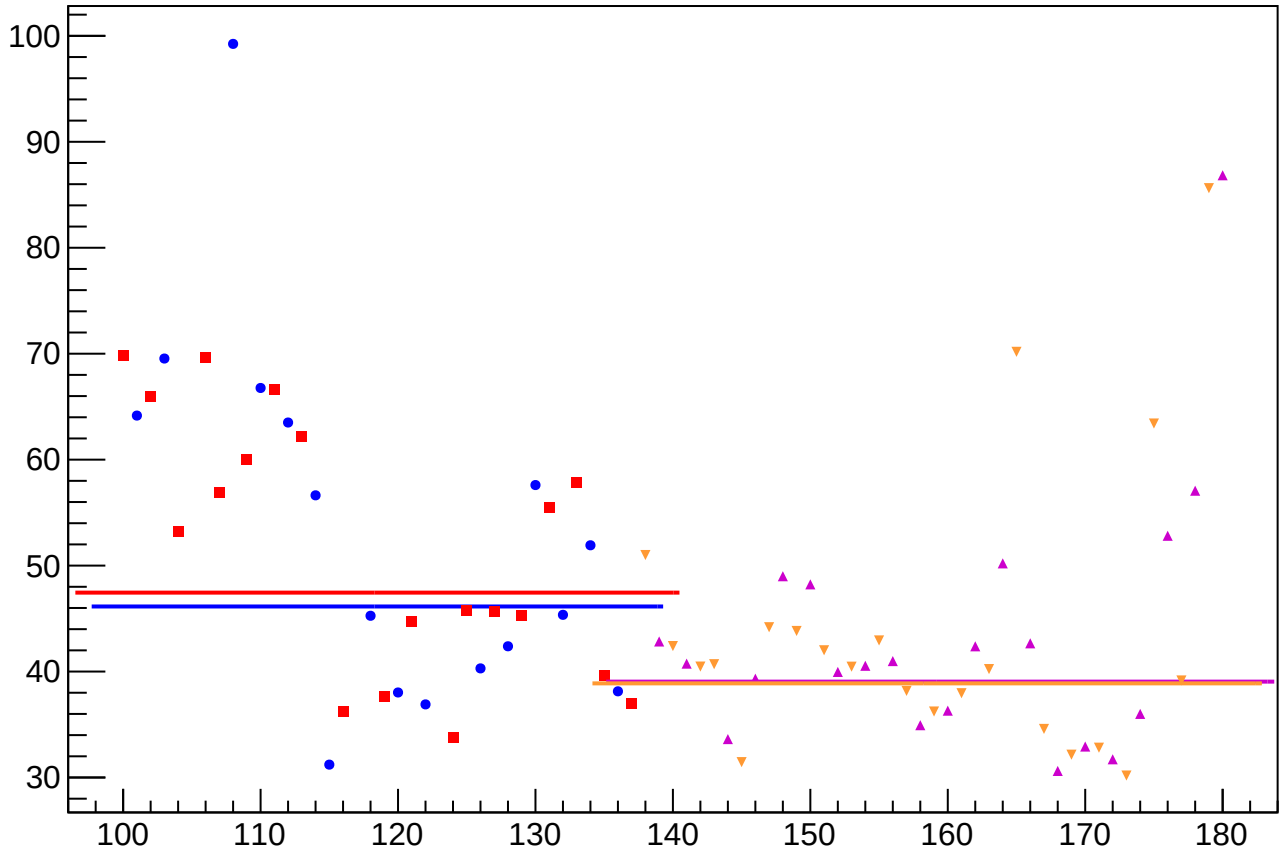
Left: 0.007+/-0.007 χ^2/NDF: 60.3/42

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:44.6/36

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 89.3/77



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.049+/-0.007 χ^2/NDF:1318240.8/20

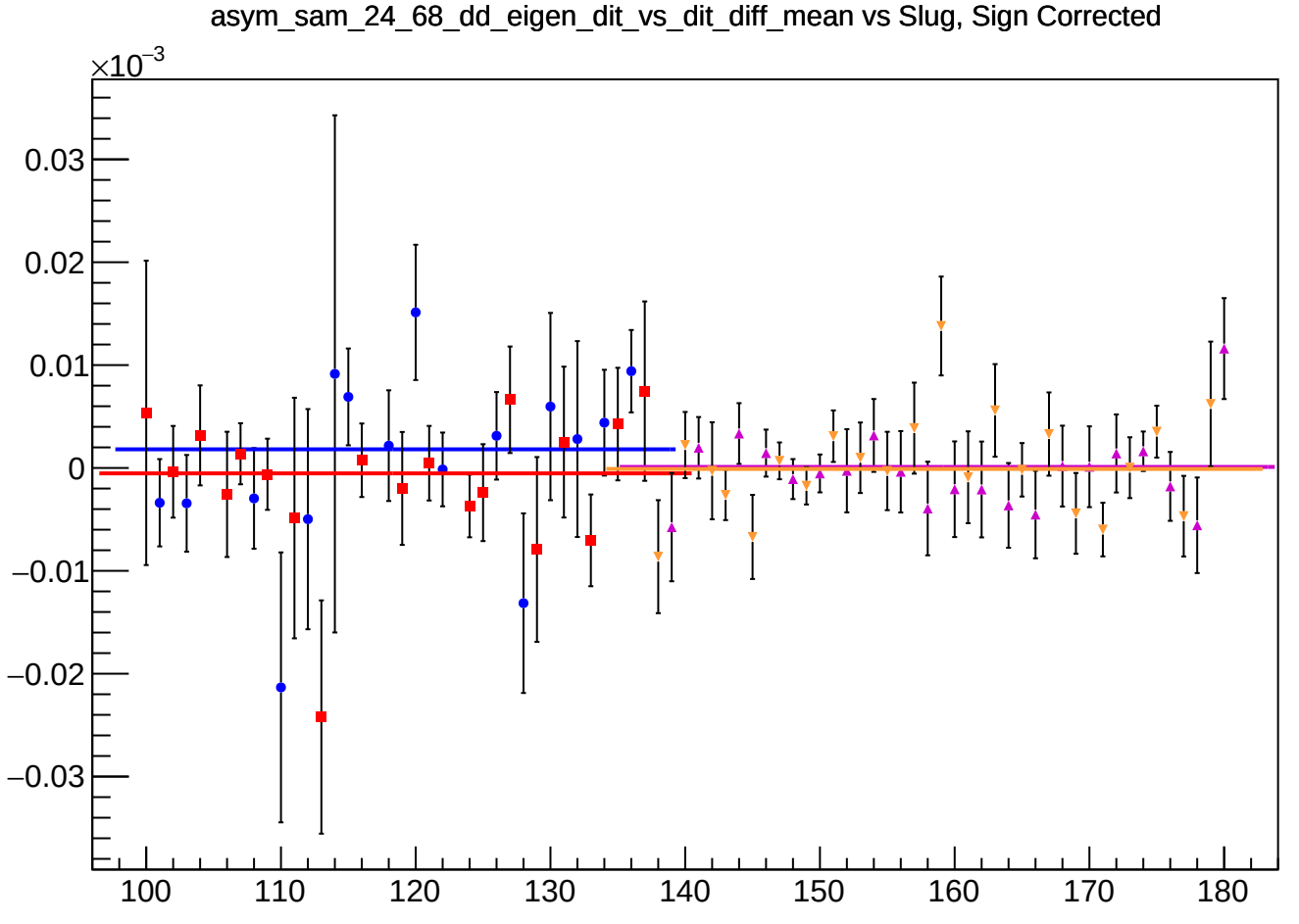
Left: 38.965+/-0.005 χ^2/NDF: 2776480.9/42

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.684+/-0.006 χ^2/NDF:2460613.2/36

Out: 40.791+/-0.006 χ^2/NDF:2461105.8/40

All: 40.738+/-0.004 χ^2/NDF: 4921874.4/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/20

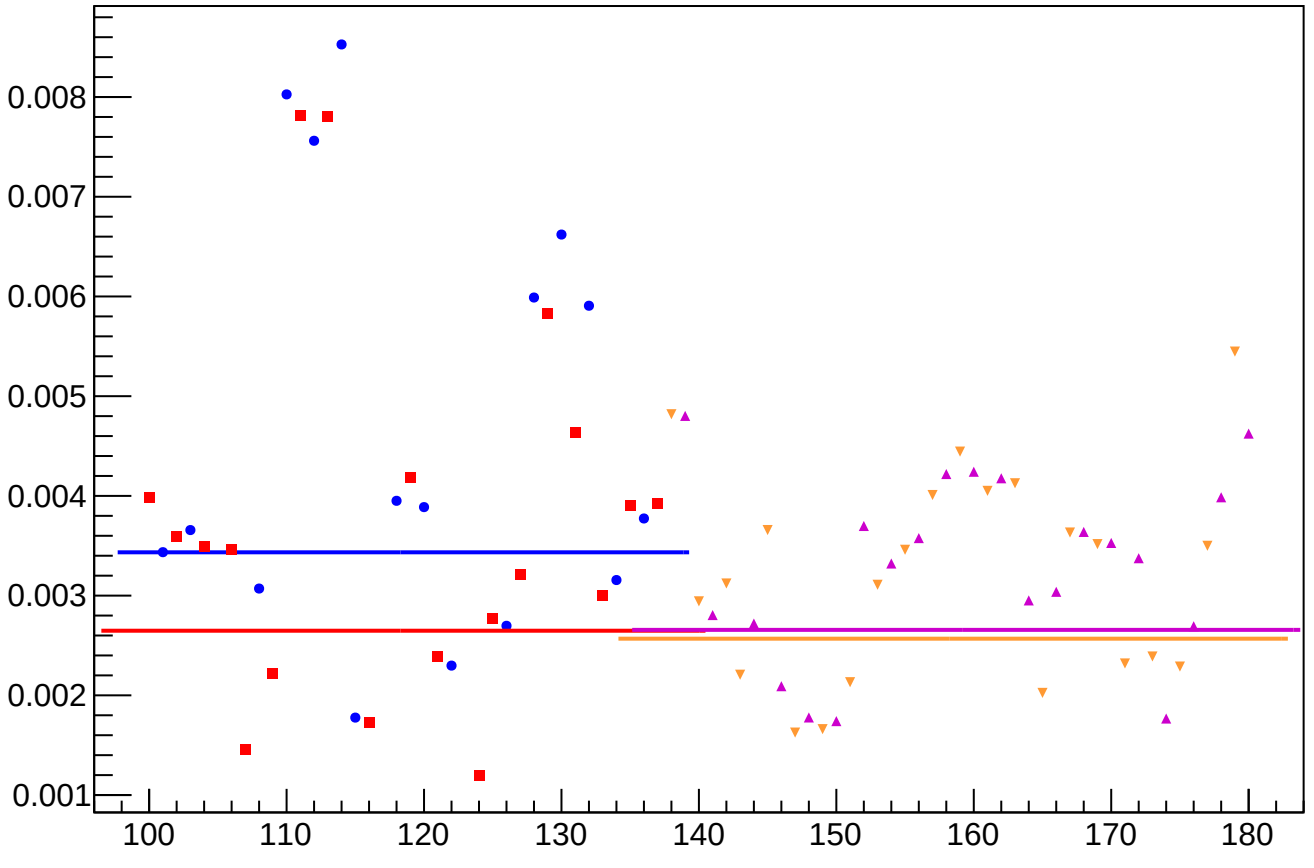
Left: -0.000+/-0.000 χ^2/NDF: 47.5/42

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:36.9/36

Out: -0.000+/-0.000 χ^2/NDF:45.6/40

All: 0.000+/-0.000 χ^2/NDF: 83.1/77



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3782069.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3591641.1/20

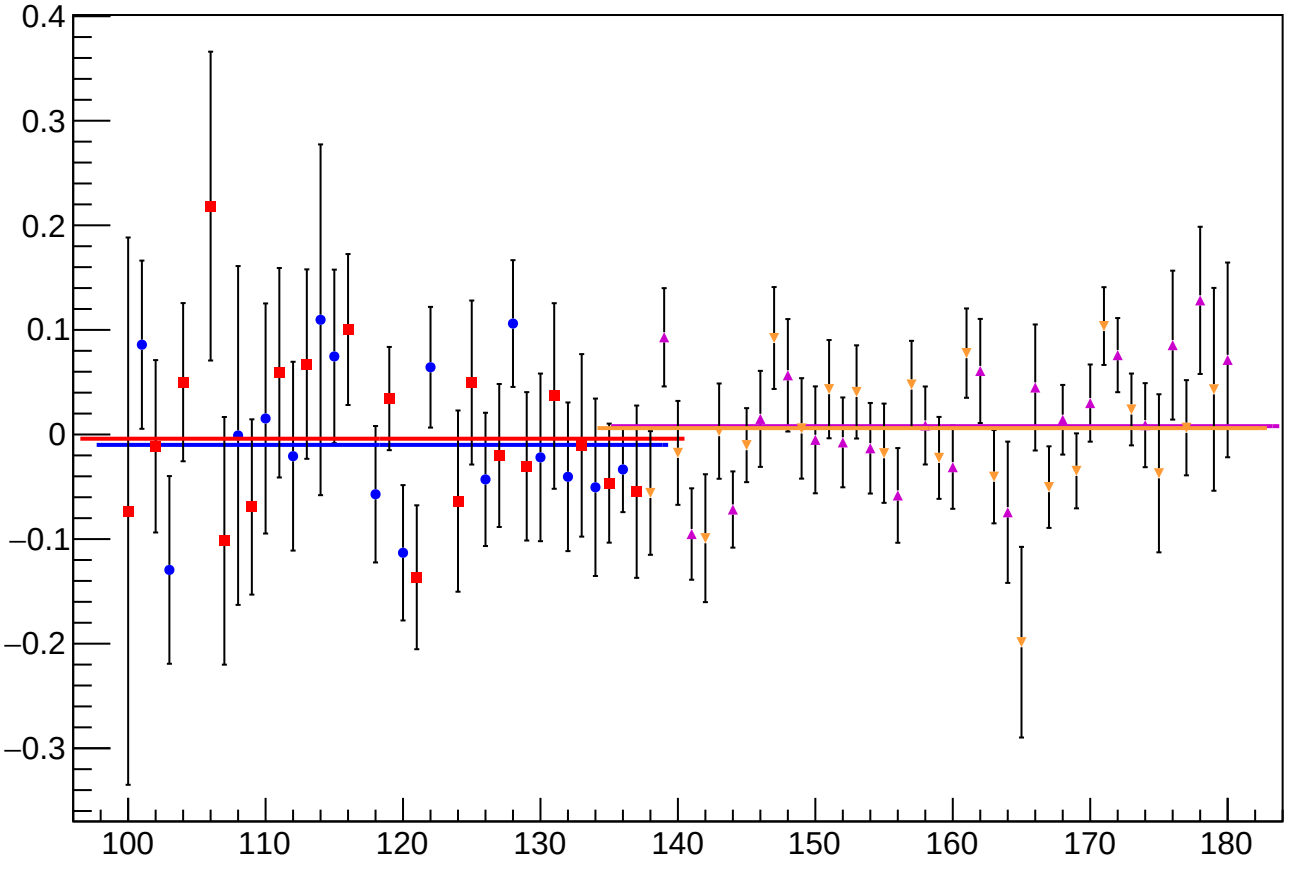
Left: 0.003+/-0.000 χ^2/NDF: 7390960.0/42

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5853991.7/36

Out: 0.003+/-0.000 χ^2/NDF:6486807.3/40

All: 0.003+/-0.000 χ^2/NDF: 12483735.4/77



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.010 χ^2/NDF:29.6/20

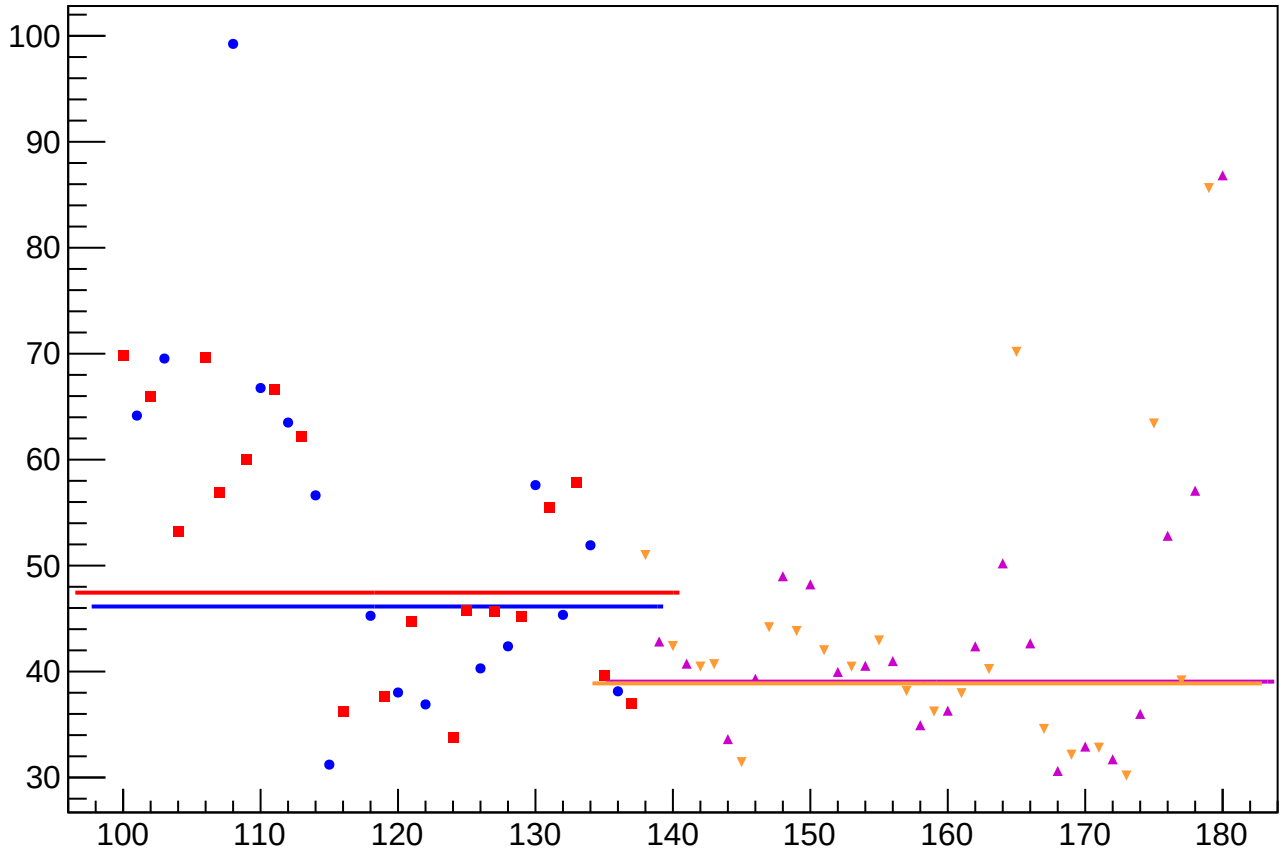
Left: 0.007+/-0.007 χ^2/NDF: 60.3/42

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:44.6/36

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 89.3/77



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

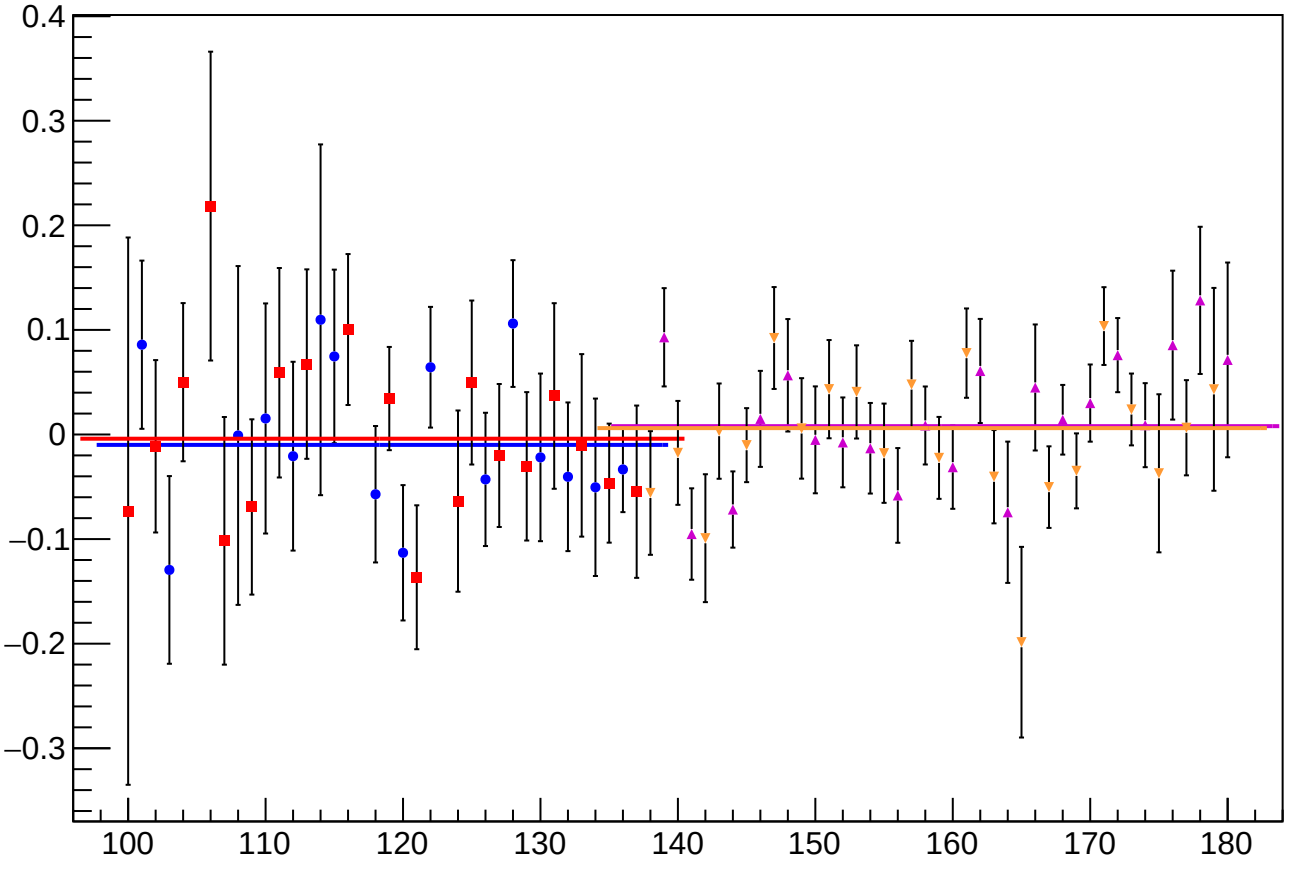
Left: 38.965+/-0.005 χ^2/NDF: 2776553.2/42

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.684+/-0.006 χ^2/NDF:2460530.2/36

Out: 40.791+/-0.006 χ^2/NDF:2461055.0/40

All: 40.738+/-0.004 χ^2/NDF: 4921741.4/77



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.008+/-0.010 χ^2/NDF:29.6/20

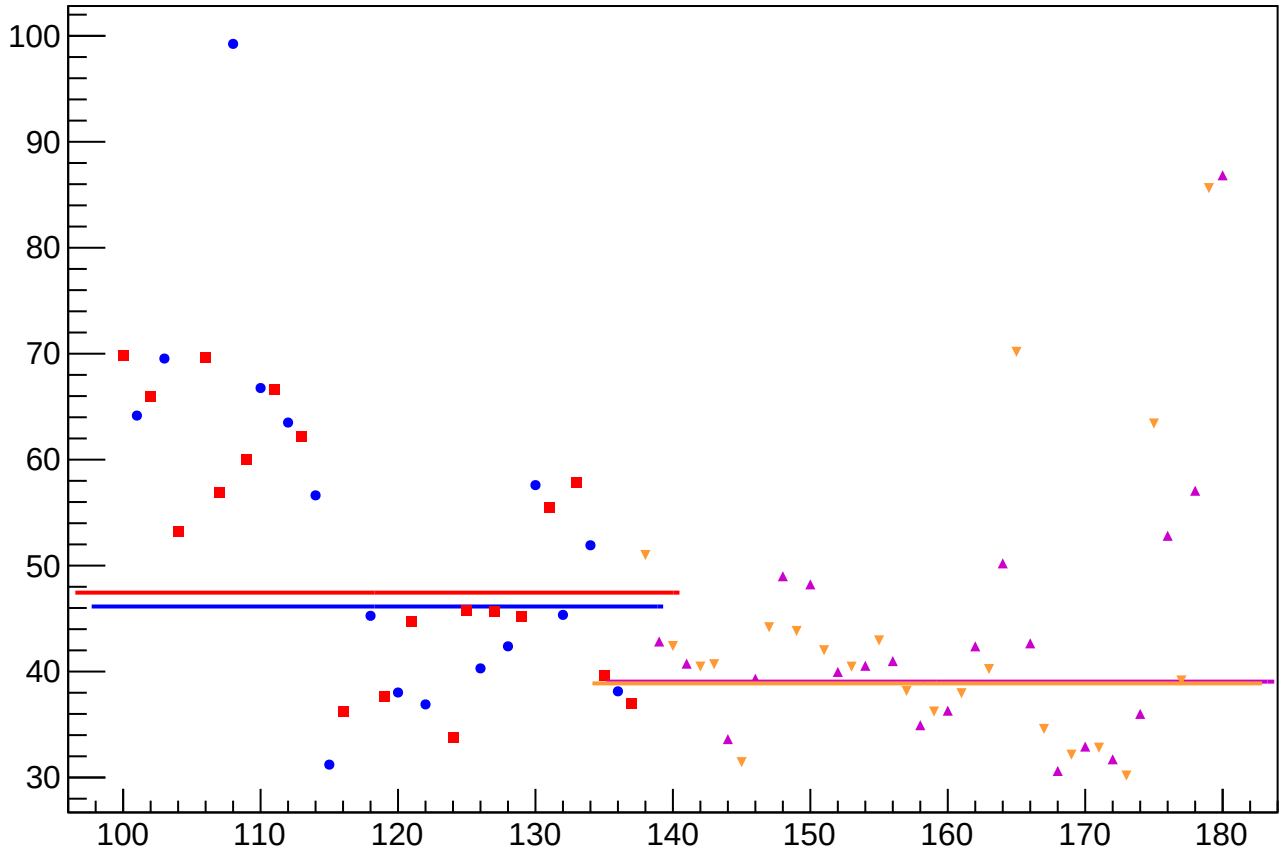
Left: 0.007+/-0.007 χ^2/NDF: 60.3/42

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.004+/-0.009 χ^2/NDF:44.6/36

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 89.3/77



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.049+/-0.007 χ^2/NDF:1318267.3/20

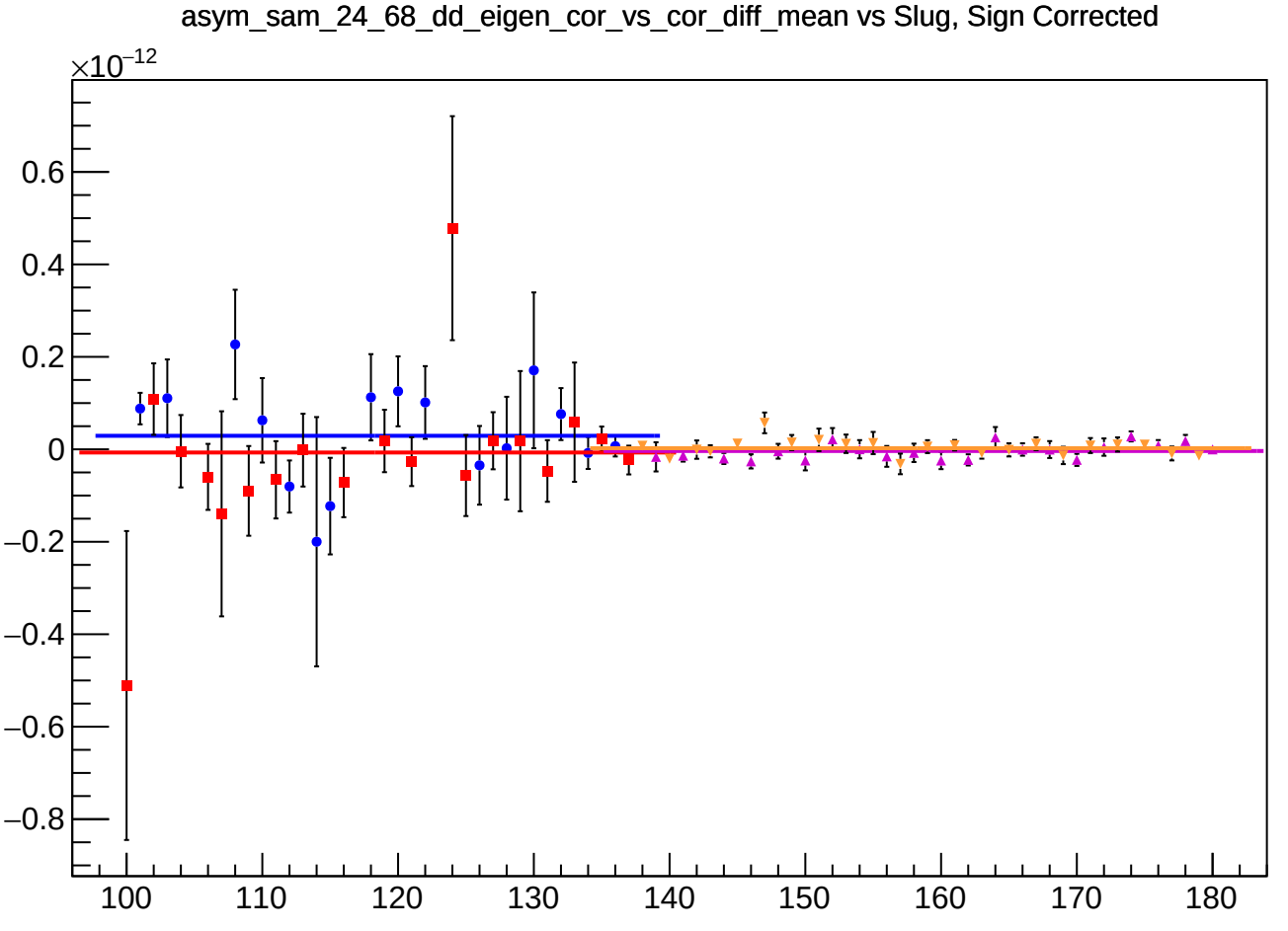
Left: 38.965+/-0.005 χ^2/NDF: 2776553.2/42

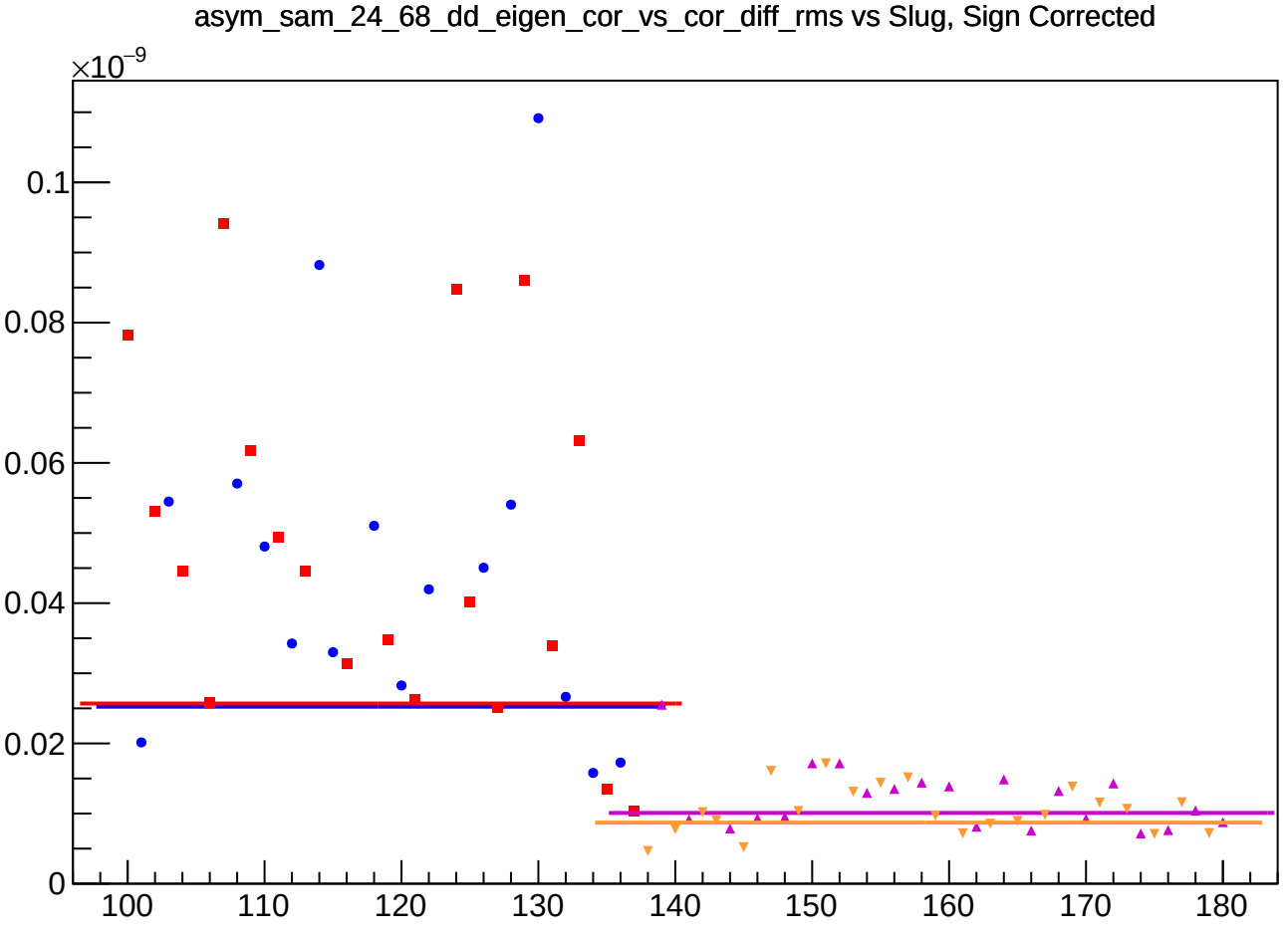
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.684+/-0.006 χ^2/NDF:2460530.2/36

Out: 40.791+/-0.006 χ^2/NDF:2461055.0/40

All: 40.738+/-0.004 χ^2/NDF: 4921741.4/77


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
180
Right In: 0.000+/-0.000 χ2/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ2/NDF:22.5/21
Right Out: -0.000+/-0.000 χ2/NDF: 14.3/18
Left In: -0.000+/-0.000 χ2/NDF:27.1/20
Left: -0.000+/-0.000 χ2/NDF: 51.5/42
Right: 0.000+/-0.000 χ2/NDF: 38.5/34
In: -0.000+/-0.000 χ2/NDF:53.6/36
Out: 0.000+/-0.000 χ2/NDF:37.2/40
All: 0.000+/-0.000 χ2/NDF: 91.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1970064.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1862085.6/20

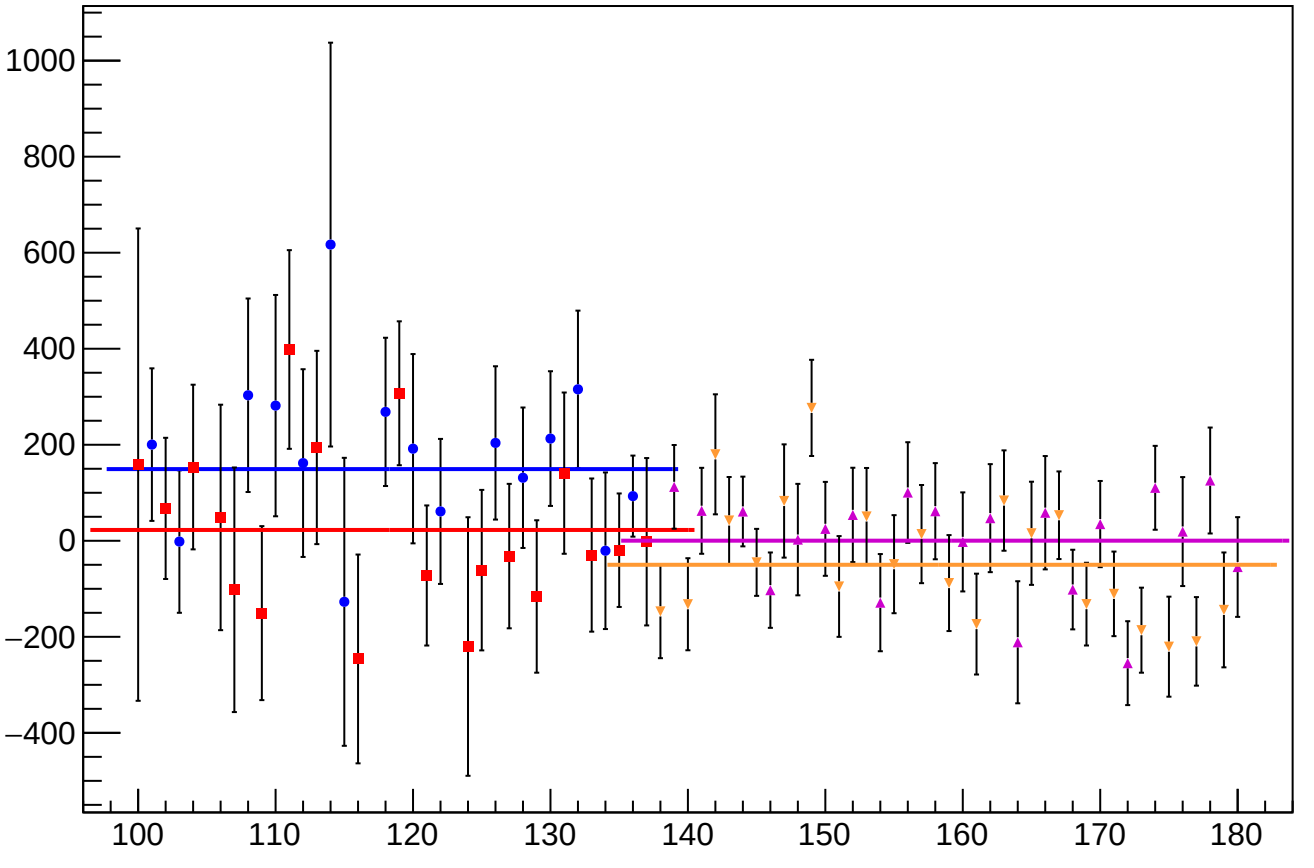
Left: 0.000+/-0.000 χ^2/NDF: 4027522.9/42

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6351725.7/36

Out: 0.000+/-0.000 χ^2/NDF:7452231.3/40

All: 0.000+/-0.000 χ^2/NDF: 14064943.7/77



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.975+/-20.773 χ^2/NDF:34.5/21

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 0.229+/-20.989 χ^2/NDF:24.4/20

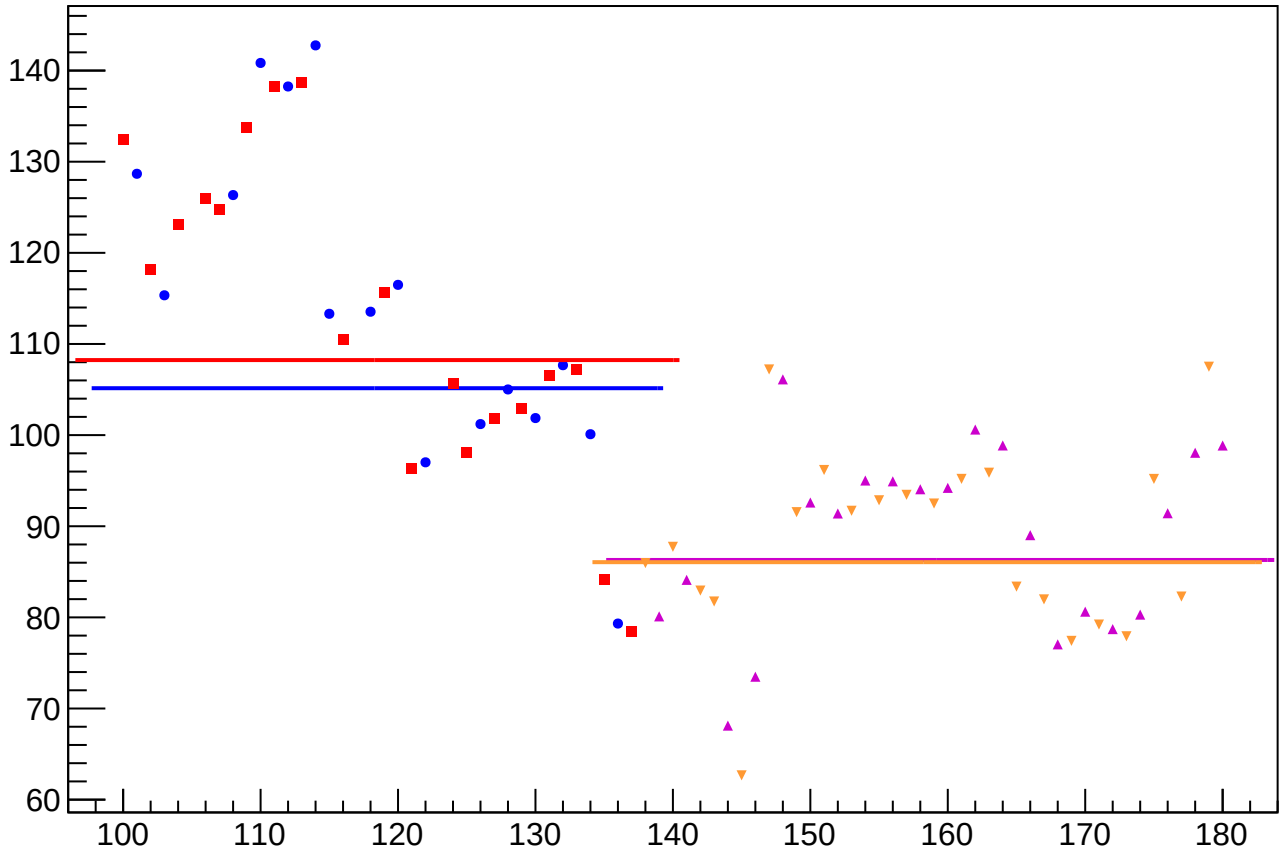
Left: -25.132+/-14.764 χ^2/NDF: 61.8/42

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 32.810+/-18.554 χ^2/NDF:43.4/36

Out: -34.630+/-18.445 χ^2/NDF:51.3/40

All: -1.108+/-13.081 χ^2/NDF: 101.4/77



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

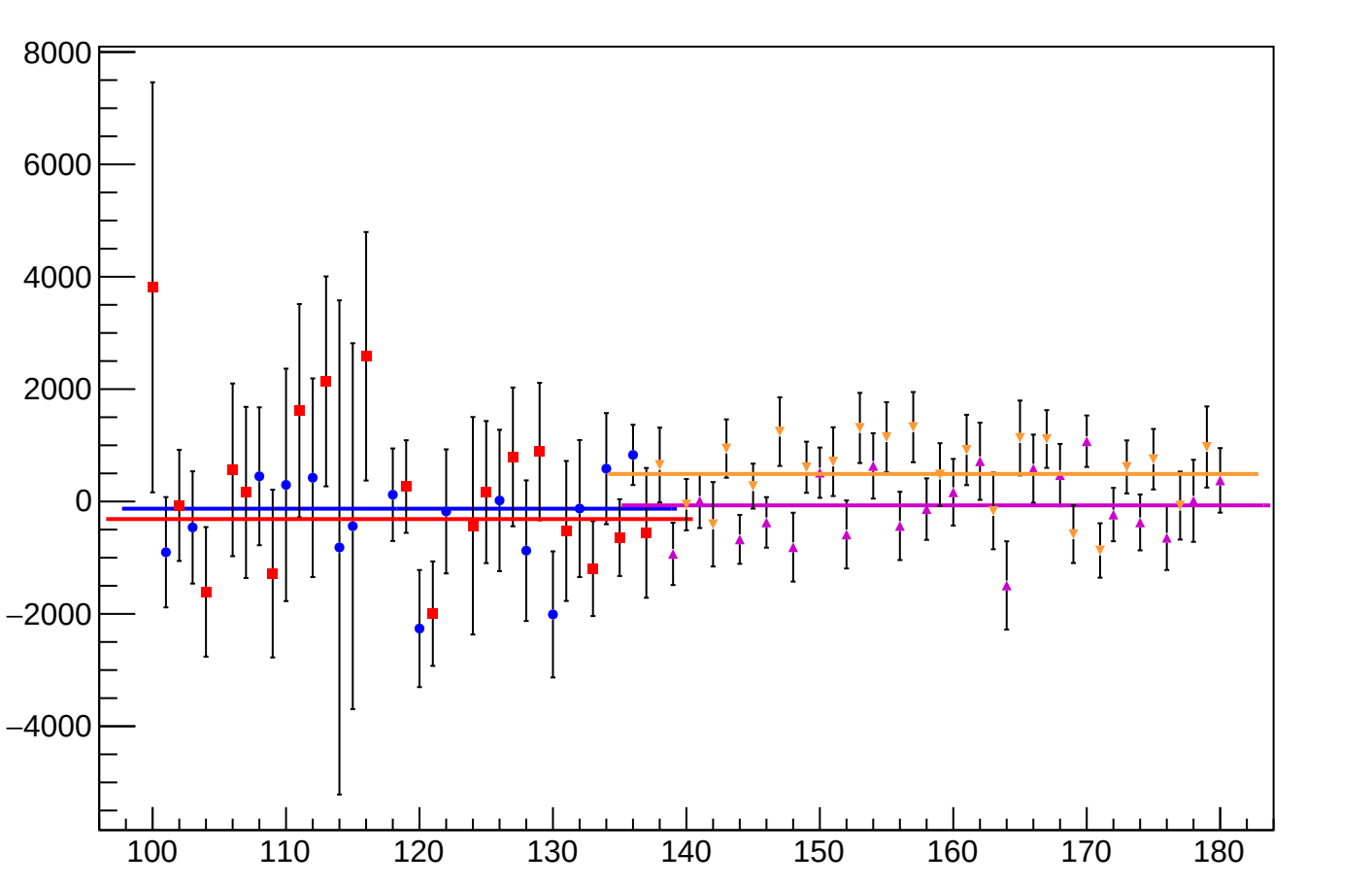
Left: 86.178+/-0.010 χ^2/NDF: 1004699.8/42

Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.419+/-0.013 χ^2/NDF:1241371.6/36

Out: 90.750+/-0.013 χ^2/NDF:1356145.5/40

All: 90.585+/-0.009 χ^2/NDF: 2597836.7/77



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.442+/-118.409 χ^2/NDF:28.0/21

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -69.044+/-118.742 χ^2/NDF:25.8/20

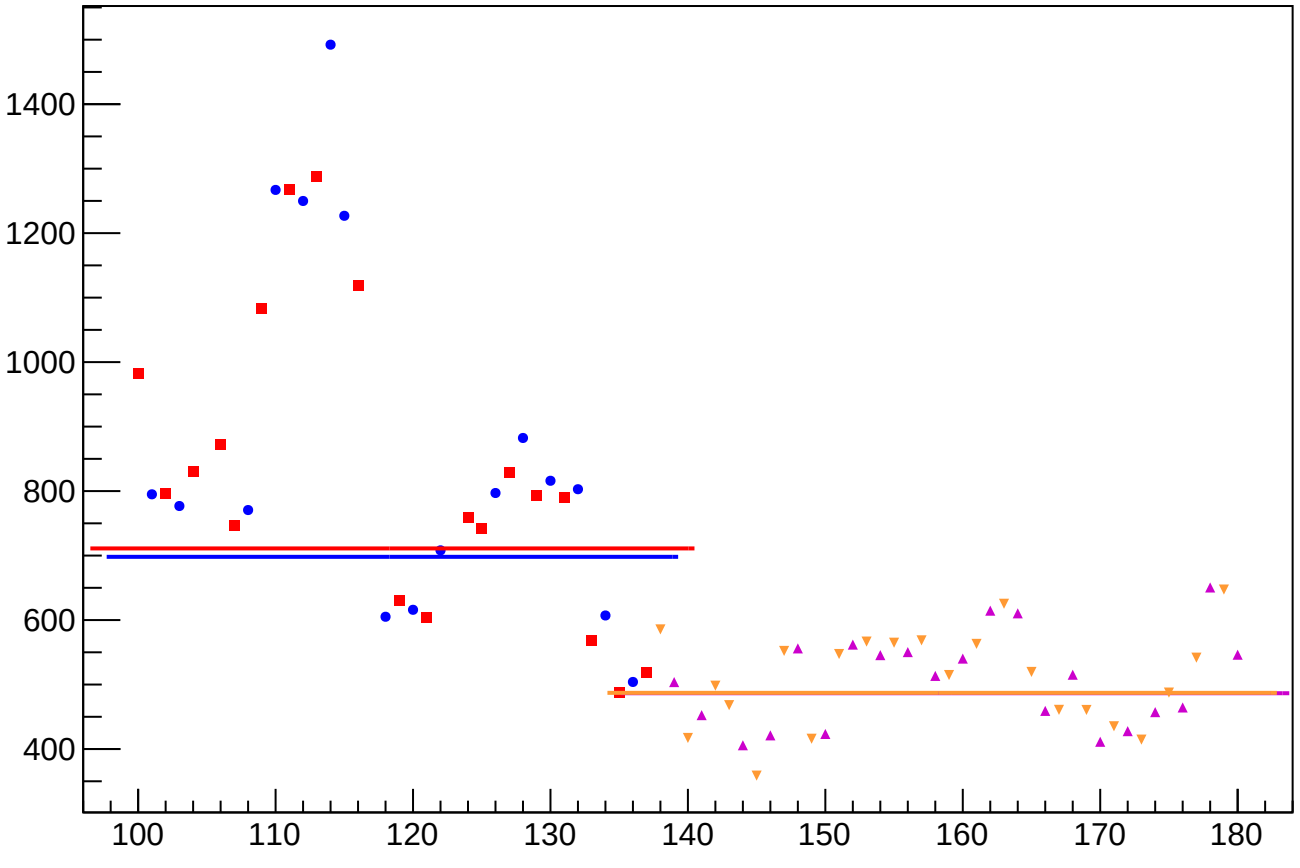
Left: 211.484+/-83.845 χ^2/NDF: 64.9/42

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -78.691+/-108.603 χ^2/NDF:38.1/36

Out: 360.944+/-108.447 χ^2/NDF:50.4/40

All: 141.442+/-76.739 χ^2/NDF: 96.7/77



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.140+/-0.084 χ^2/NDF:804793.2/21

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 486.537+/-0.084 χ^2/NDF:629246.3/20

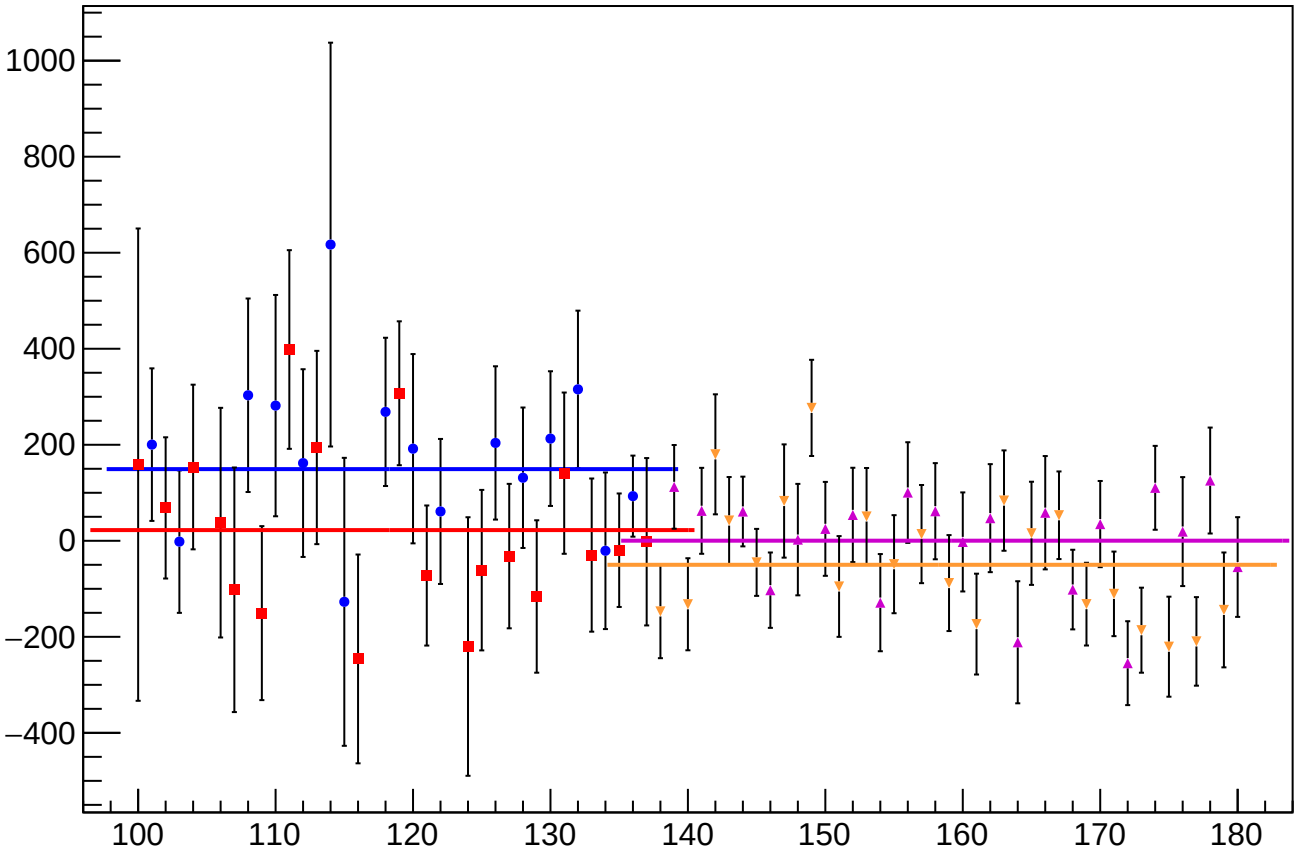
Left: 486.839+/-0.059 χ^2/NDF: 1434065.4/42

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 521.114+/-0.077 χ^2/NDF:2579522.3/36

Out: 523.234+/-0.077 χ^2/NDF:2992957.3/40

All: 522.176+/-0.054 χ^2/NDF: 5572861.4/77



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 0.228+/-20.989 χ^2/NDF:24.4/20

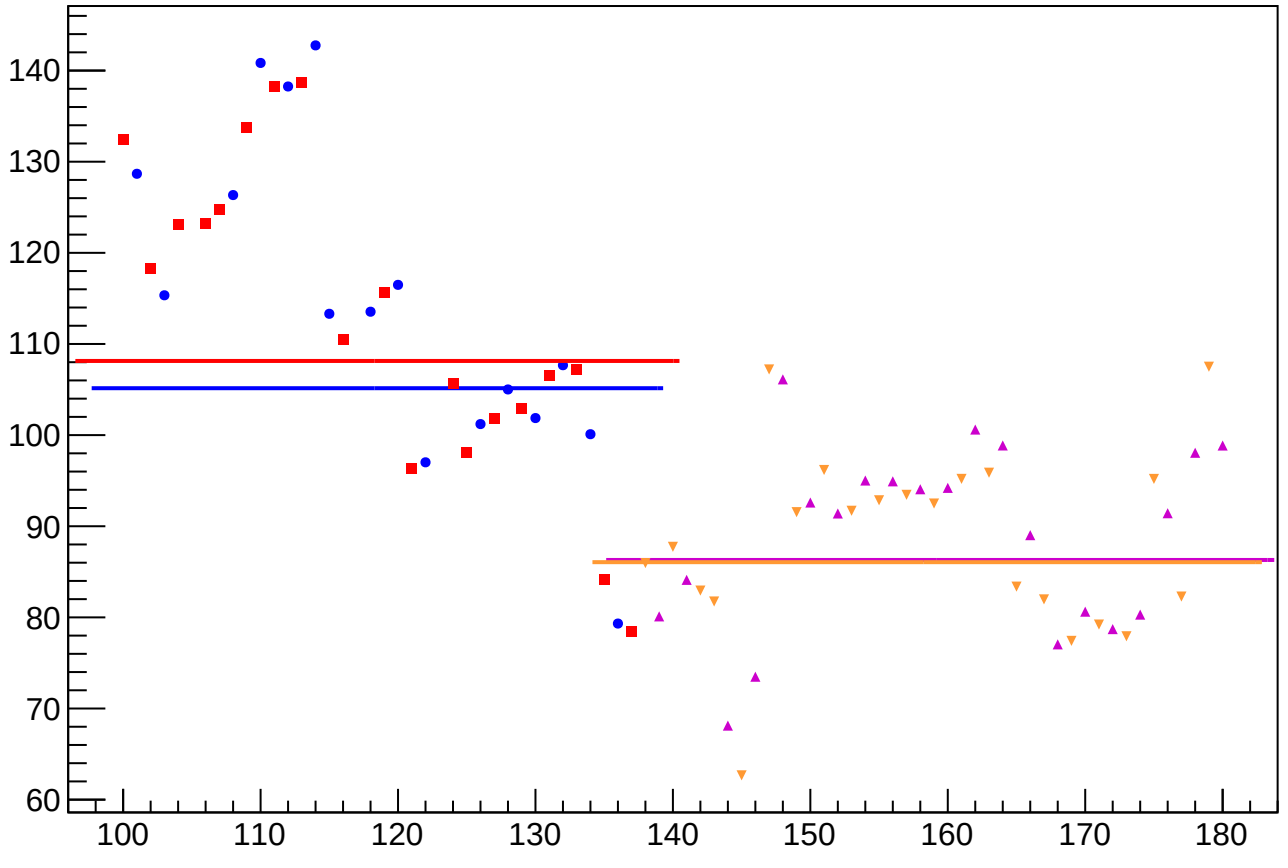
Left: -25.135+/-14.764 χ^2/NDF: 61.8/42

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.807+/-18.554 χ^2/NDF:43.4/36

Out: -34.700+/-18.447 χ^2/NDF:51.3/40

All: -1.141+/-13.082 χ^2/NDF: 101.4/77



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

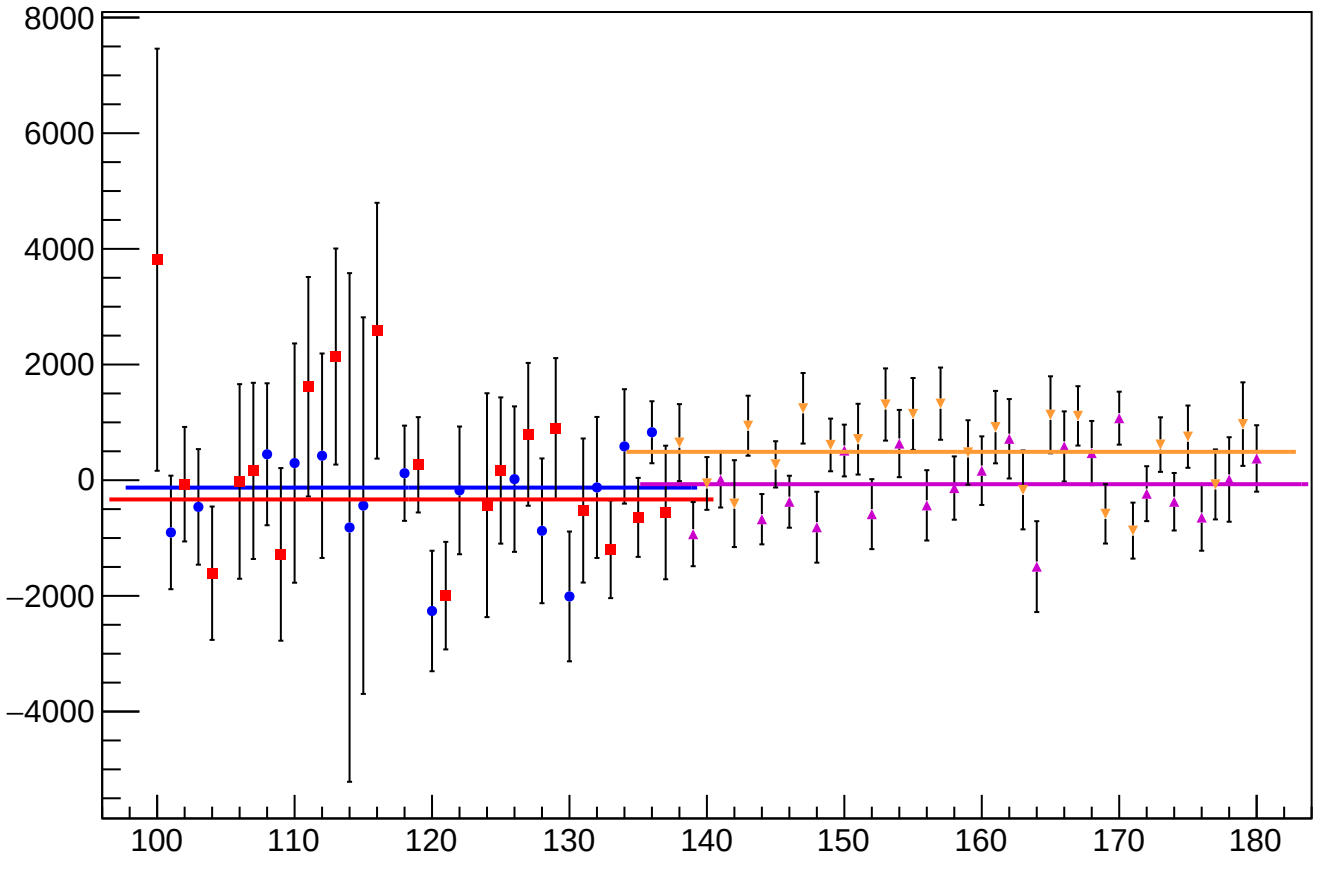
Left: 86.178+/-0.010 χ^2/NDF: 1004699.8/42

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.419+/-0.013 χ^2/NDF:1241372.0/36

Out: 90.725+/-0.013 χ^2/NDF:1347933.6/40

All: 90.573+/-0.009 χ^2/NDF: 2589579.7/77



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -69.042+/-118.742 χ^2/NDF:25.8/20

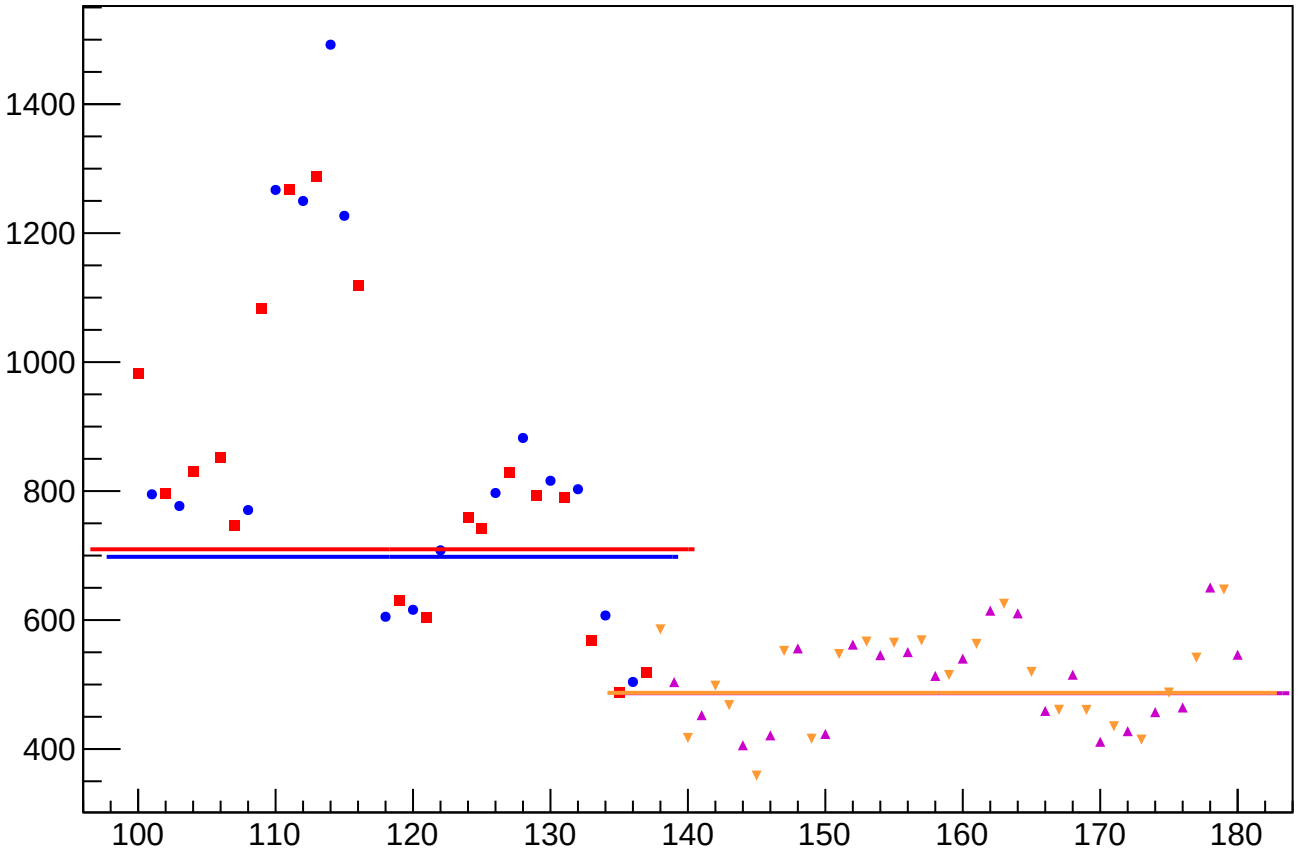
Left: 211.485+/-83.845 χ^2/NDF: 64.9/42

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -78.688+/-108.603 χ^2/NDF:38.1/36

Out: 358.357+/-108.493 χ^2/NDF:50.4/40

All: 140.057+/-76.755 χ^2/NDF: 96.7/77



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

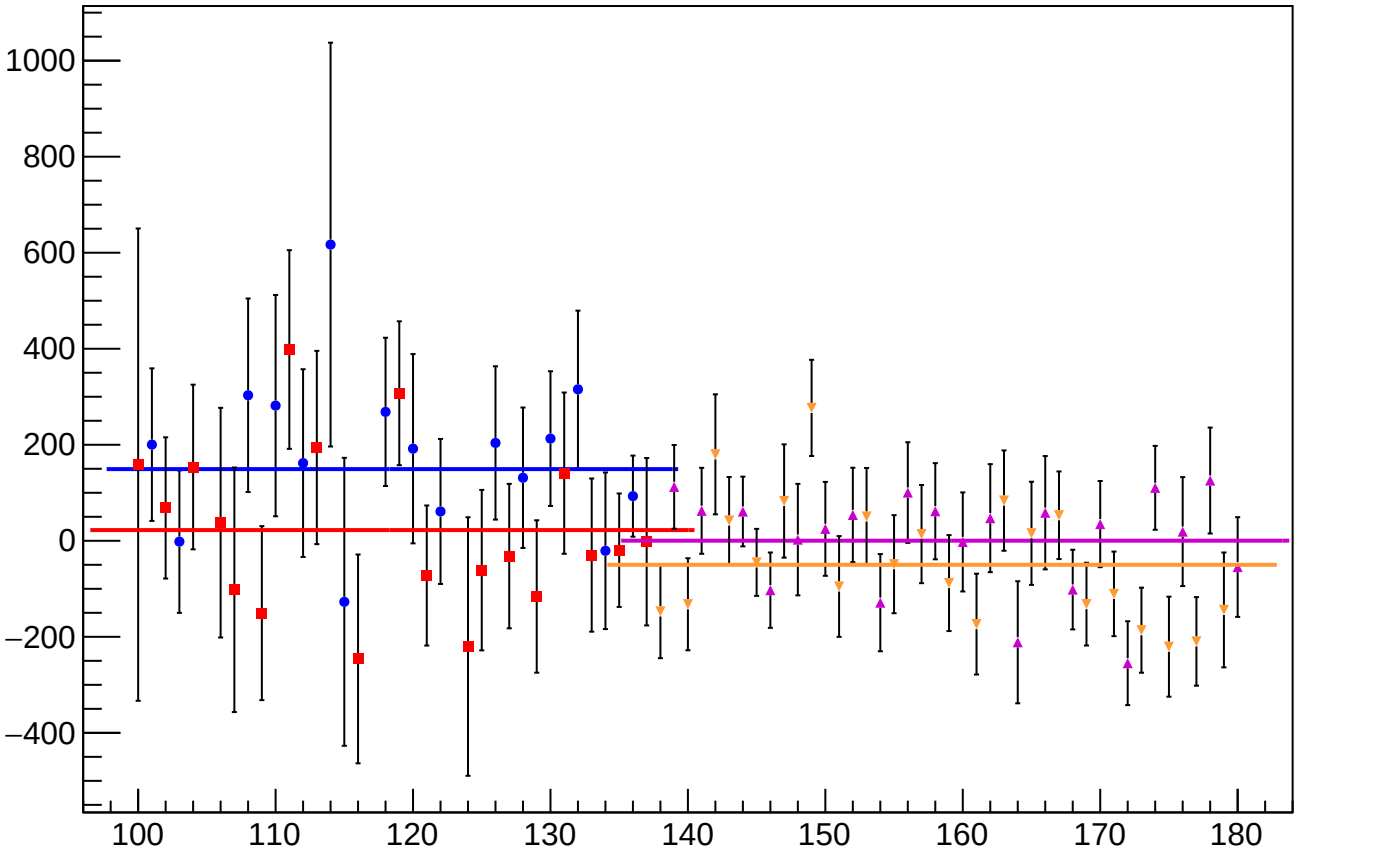
Left: 486.840+/-0.059 χ^2/NDF: 1434066.1/42

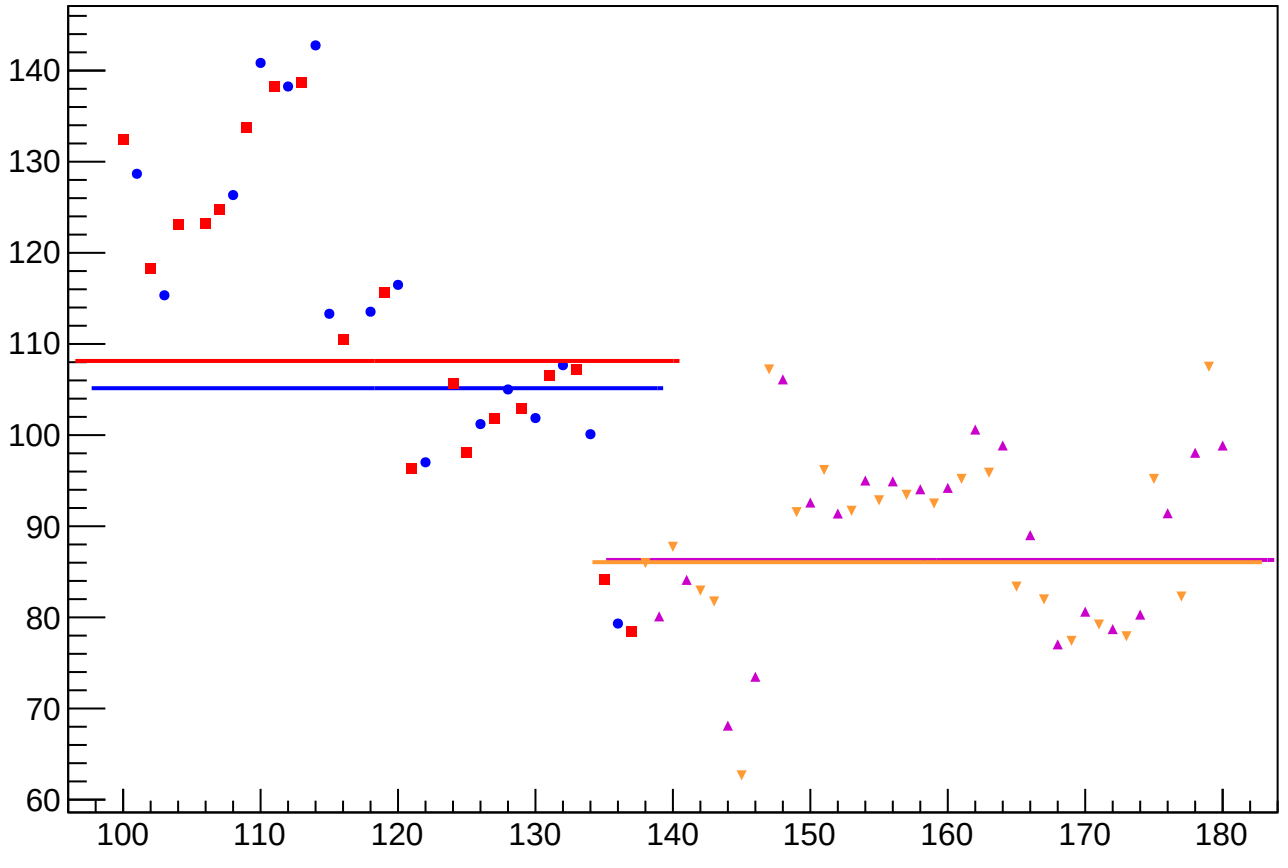
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 521.114+/-0.077 χ^2/NDF:2579539.4/36

Out: 522.862+/-0.077 χ^2/NDF:2966228.9/40

All: 521.989+/-0.054 χ^2/NDF: 5546027.7/77


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
180
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -49.979+/-20.773 χ²/NDF:34.5/21
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 0.228+/-20.989 χ²/NDF:24.4/20
Left: -25.135+/-14.764 χ²/NDF: 61.8/42
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 32.807+/-18.554 χ²/NDF:43.4/36
Out: -34.700+/-18.447 χ²/NDF:51.3/40
All: -1.141+/-13.082 χ²/NDF: 101.4/77



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.300+/-0.015 χ^2/NDF:480533.6/20

Left: 86.178+/-0.010 χ^2/NDF: 1004699.8/42

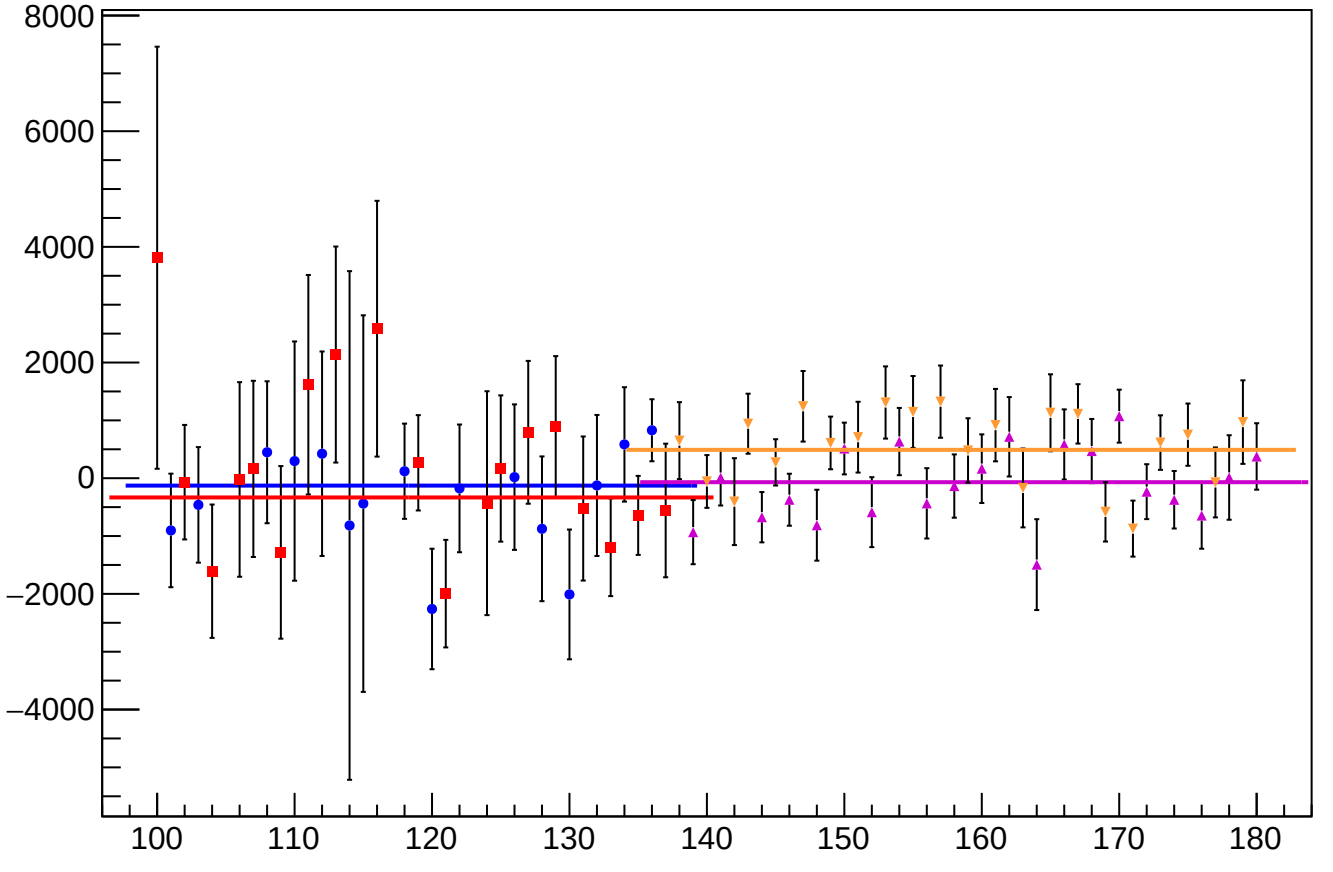
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.419+/-0.013 χ^2/NDF:1241372.0/36

Out: 90.725+/-0.013 χ^2/NDF:1347933.6/40

All: 90.573+/-0.009 χ^2/NDF: 2589579.7/77

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: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -69.042+/-118.742 χ^2/NDF:25.8/20

Left: 211.485+/-83.845 χ^2/NDF: 64.9/42

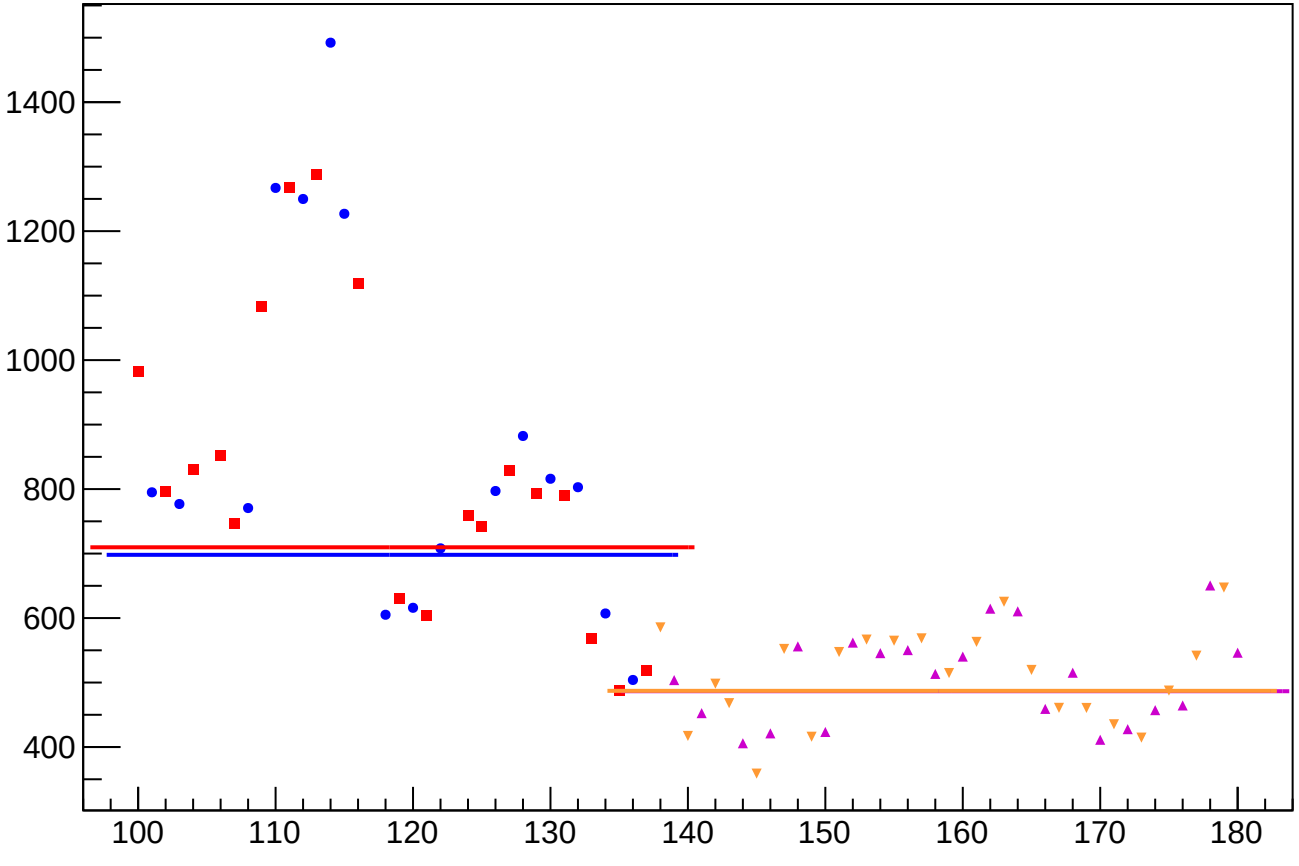
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -78.688+/-108.603 χ^2/NDF:38.1/36

Out: 358.357+/-108.493 χ^2/NDF:50.4/40

All: 140.057+/-76.755 χ^2/NDF: 96.7/77

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: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 486.537+/-0.084 χ^2/NDF:629250.0/20

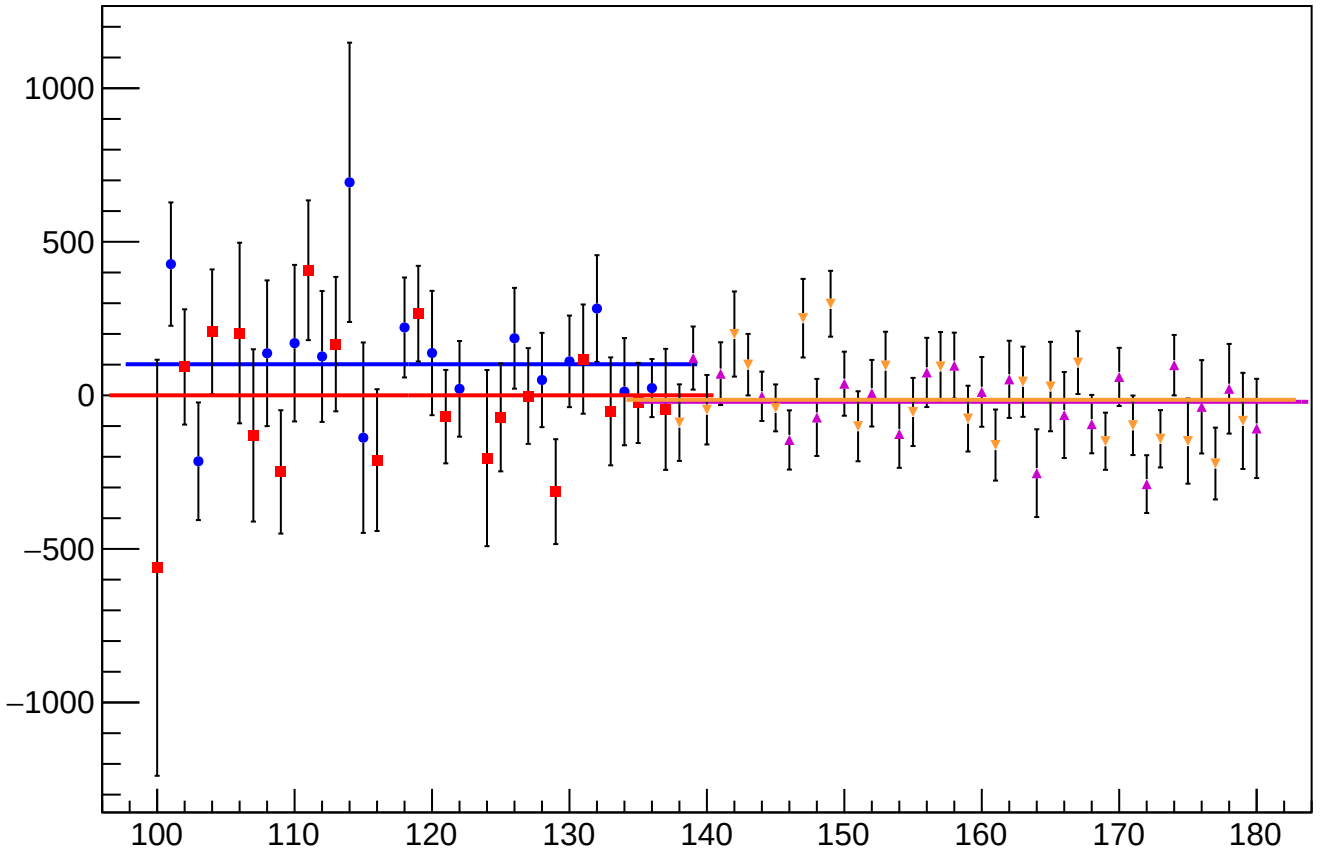
Left: 486.840+/-0.059 χ^2/NDF: 1434066.1/42

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 521.114+/-0.077 χ^2/NDF:2579539.4/36

Out: 522.862+/-0.077 χ^2/NDF:2966228.9/40

All: 521.989+/-0.054 χ^2/NDF: 5546027.7/77



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.517+/-23.460 χ^2/NDF:32.4/21

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -21.005+/-23.915 χ^2/NDF:22.2/20

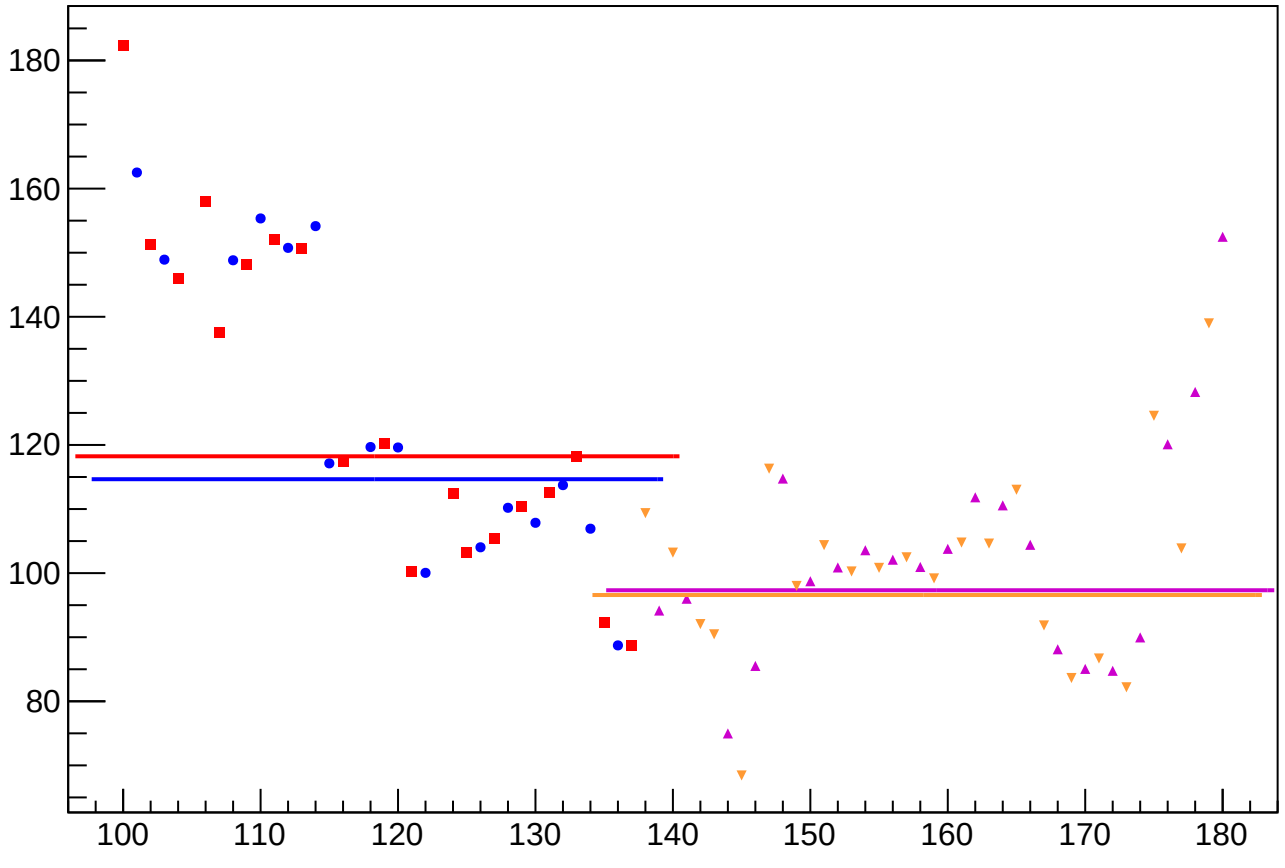
Left: -17.699+/-16.747 χ^2/NDF: 54.7/42

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 7.367+/-20.958 χ^2/NDF:39.3/36

Out: -11.280+/-20.705 χ^2/NDF:49.1/40

All: -2.070+/-14.729 χ^2/NDF: 88.8/77



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.583+/-0.017 χ^2/NDF:770711.2/21

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.328+/-0.017 χ^2/NDF:762773.7/20

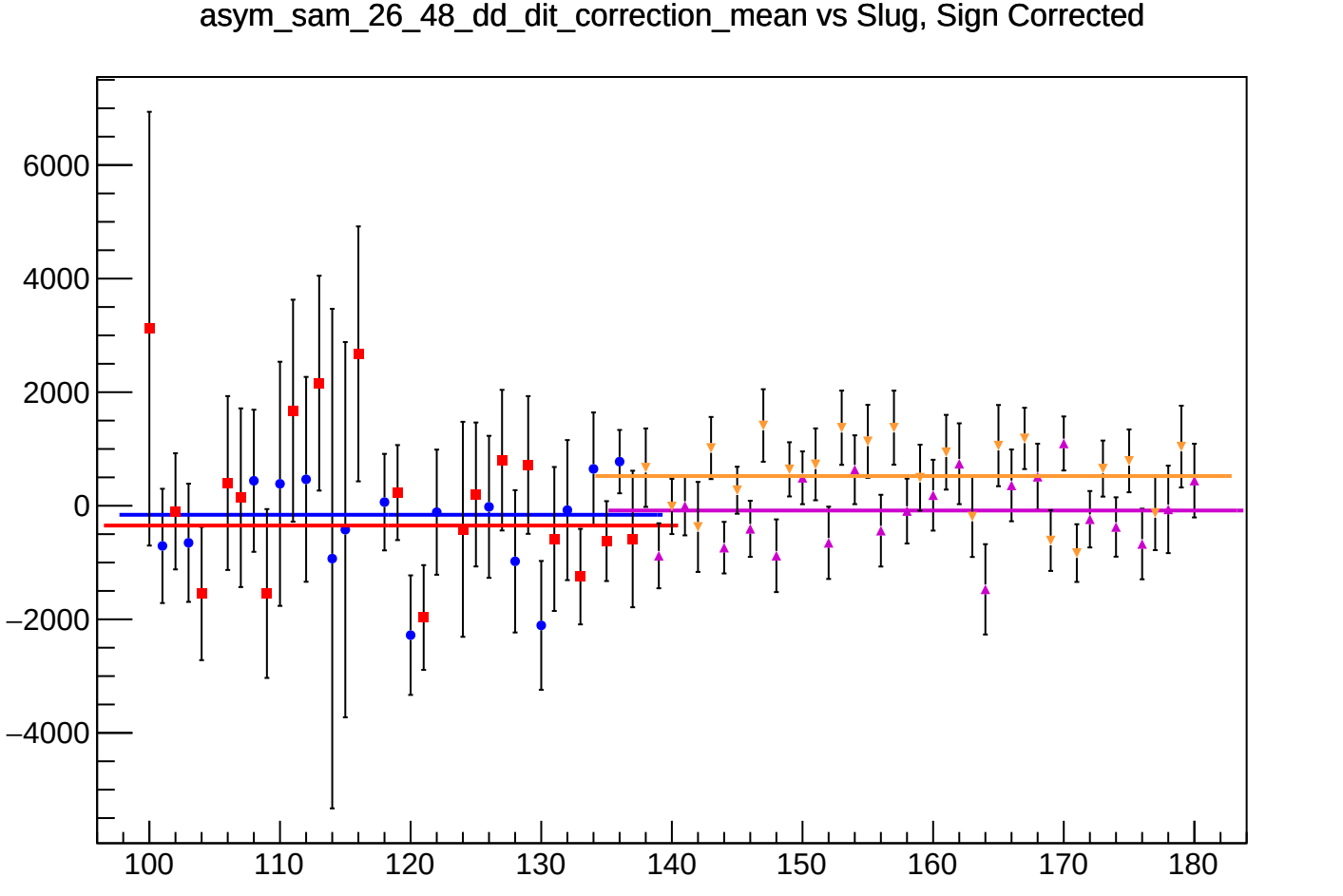
Left: 96.948+/-0.012 χ^2/NDF: 1534474.6/42

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.348+/-0.015 χ^2/NDF:1538323.2/36

Out: 101.369+/-0.015 χ^2/NDF:1630601.4/40

All: 101.359+/-0.010 χ^2/NDF: 3168925.6/77



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 522.779+/-123.860 χ^2/NDF:27.1/21

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -83.871+/-125.062 χ^2/NDF:24.3/20

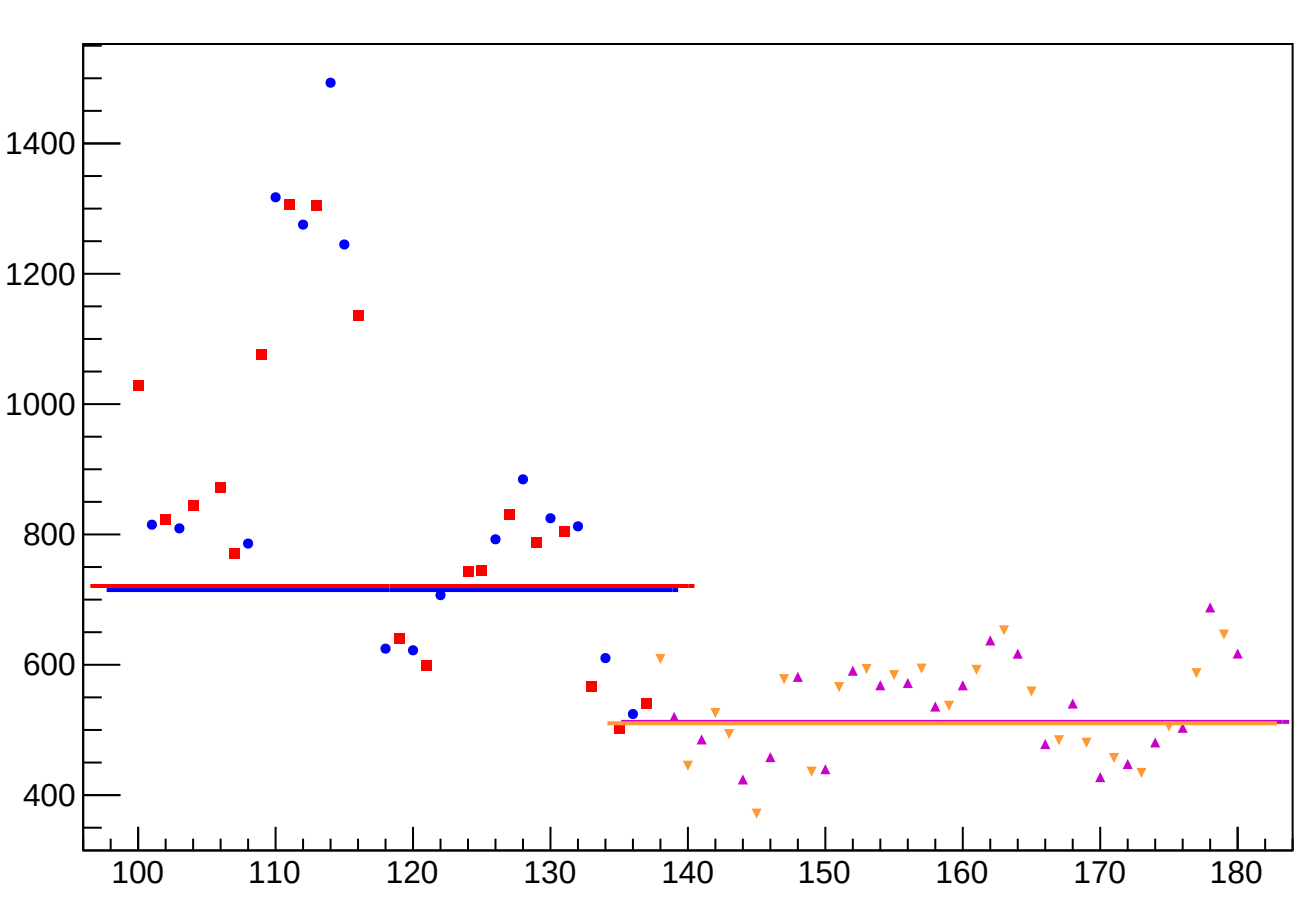
Left: 222.382+/-88.004 χ^2/NDF: 63.2/42

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -96.800+/-113.811 χ^2/NDF:36.3/36

Out: 374.579+/-112.836 χ^2/NDF:49.8/40

All: 140.917+/-80.129 χ^2/NDF: 94.8/77



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 510.200+/-0.088 χ^2/NDF:786709.1/21

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 512.388+/-0.088 χ^2/NDF:630675.3/20

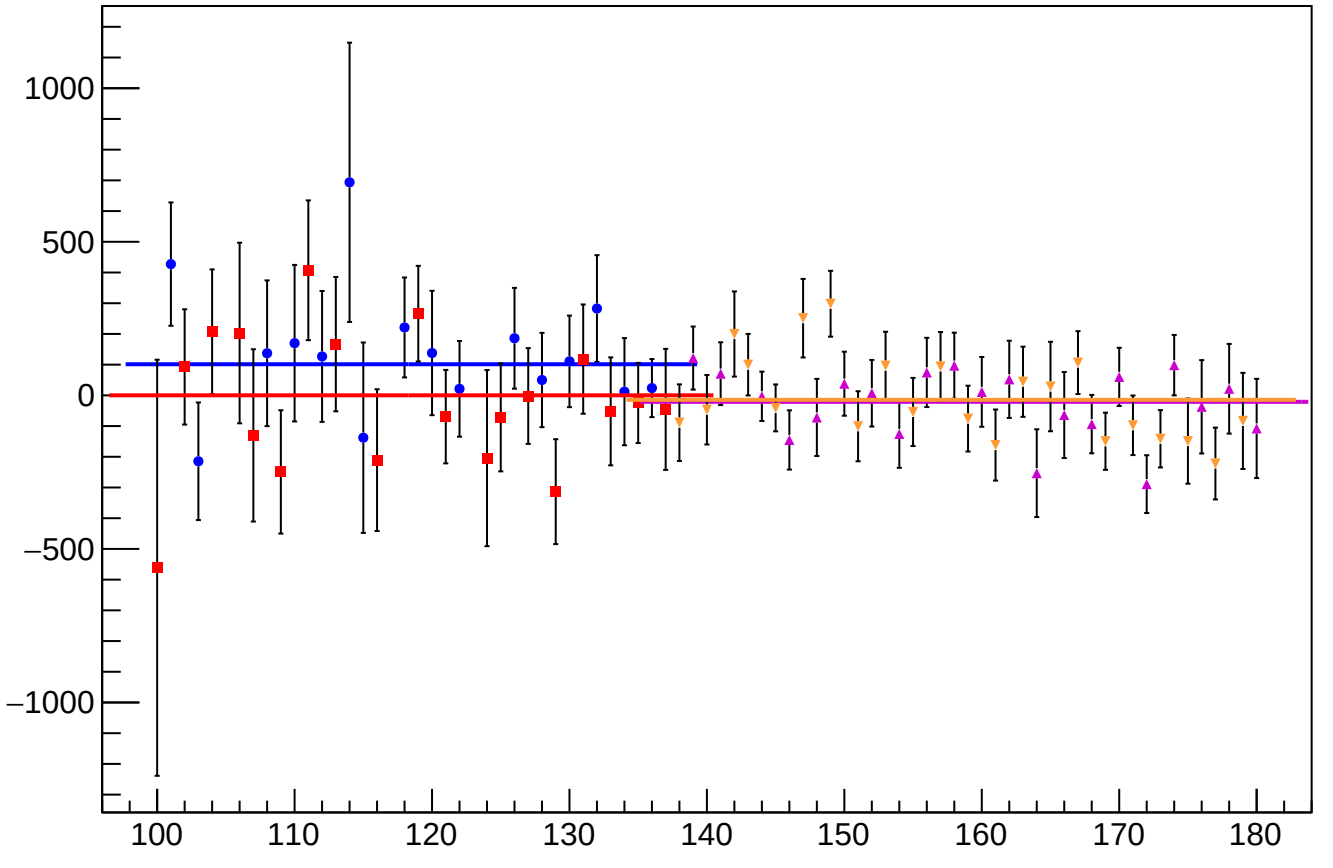
Left: 511.284+/-0.062 χ^2/NDF: 1417693.3/42

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 547.146+/-0.080 χ^2/NDF:2405934.8/36

Out: 546.036+/-0.080 χ^2/NDF:2789401.1/40

All: 546.586+/-0.057 χ^2/NDF: 5195431.9/77



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.519+/-23.460 χ^2/NDF:32.4/21

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -21.006+/-23.915 χ^2/NDF:22.2/20

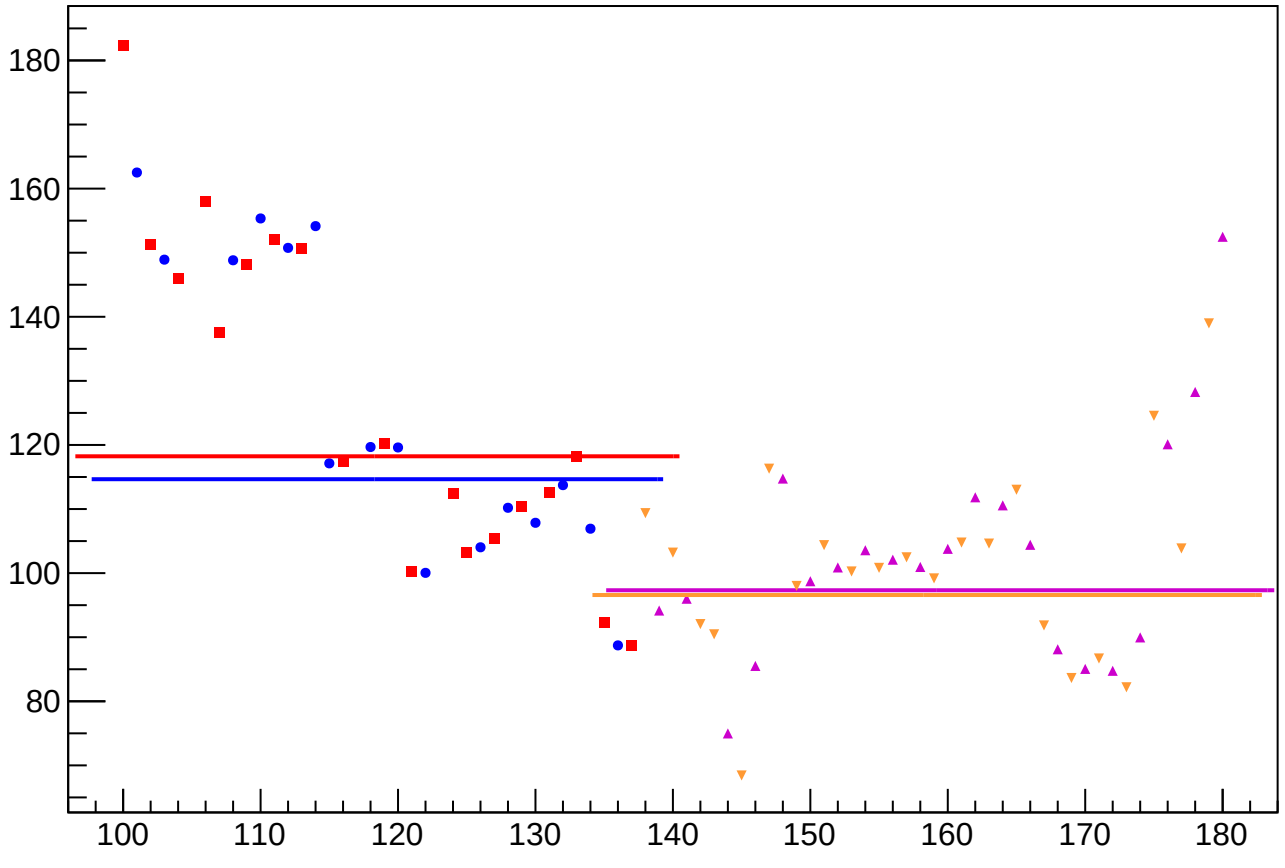
Left: -17.700+/-16.747 χ^2/NDF: 54.7/42

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 7.366+/-20.958 χ^2/NDF:39.3/36

Out: -11.282+/-20.705 χ^2/NDF:49.1/40

All: -2.071+/-14.729 χ^2/NDF: 88.8/77



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.583+/-0.017 χ^2/NDF:770716.9/21

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.328+/-0.017 χ^2/NDF:762764.5/20

Left: 96.948+/-0.012 χ^2/NDF: 1534471.1/42

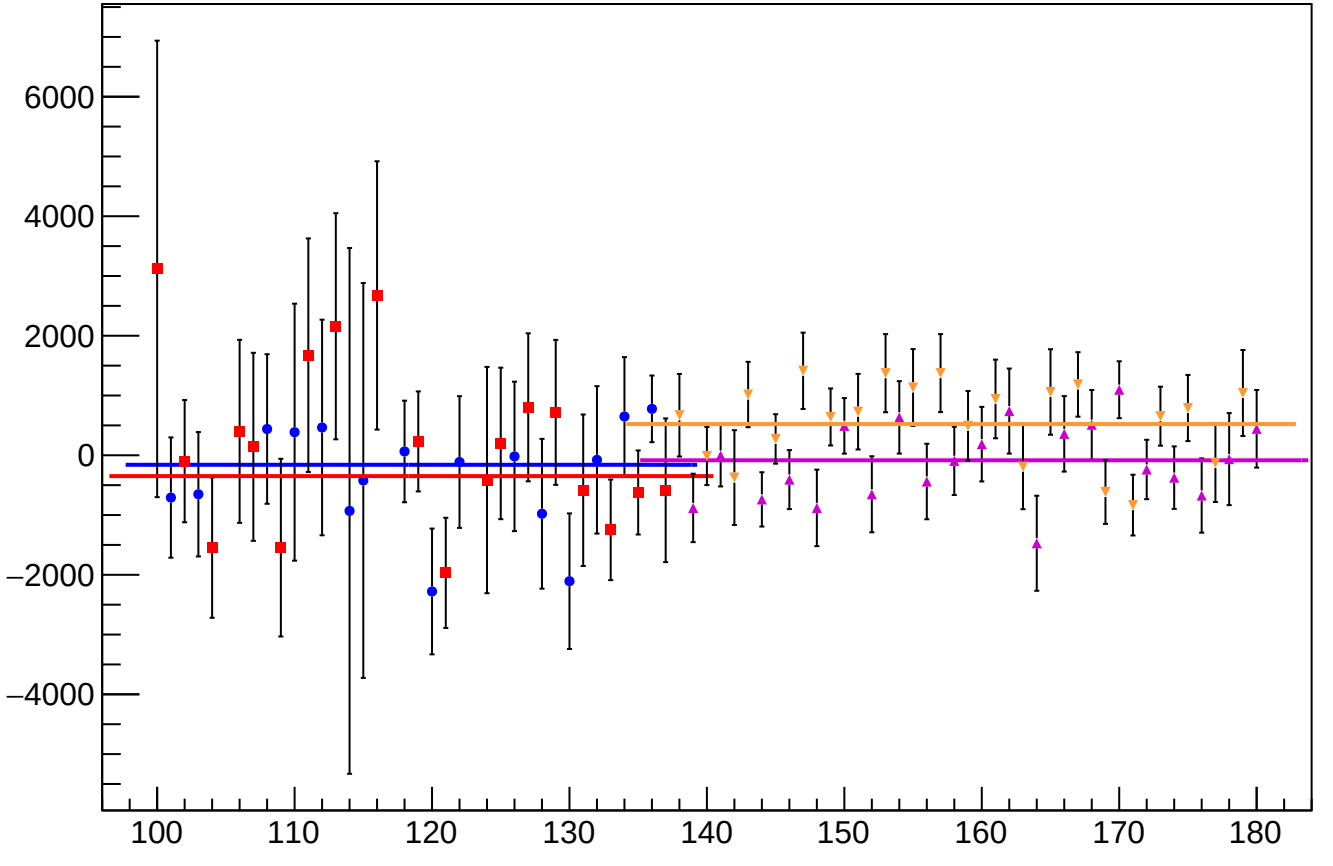
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.348+/-0.015 χ^2/NDF:1538305.2/36

Out: 101.369+/-0.015 χ^2/NDF:1630602.0/40

All: 101.359+/-0.010 χ^2/NDF: 3168908.1/77

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: 522.777+/-123.860 χ^2/NDF:27.1/21

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -83.871+/-125.062 χ^2/NDF:24.3/20

Left: 222.381+/-88.004 χ^2/NDF: 63.2/42

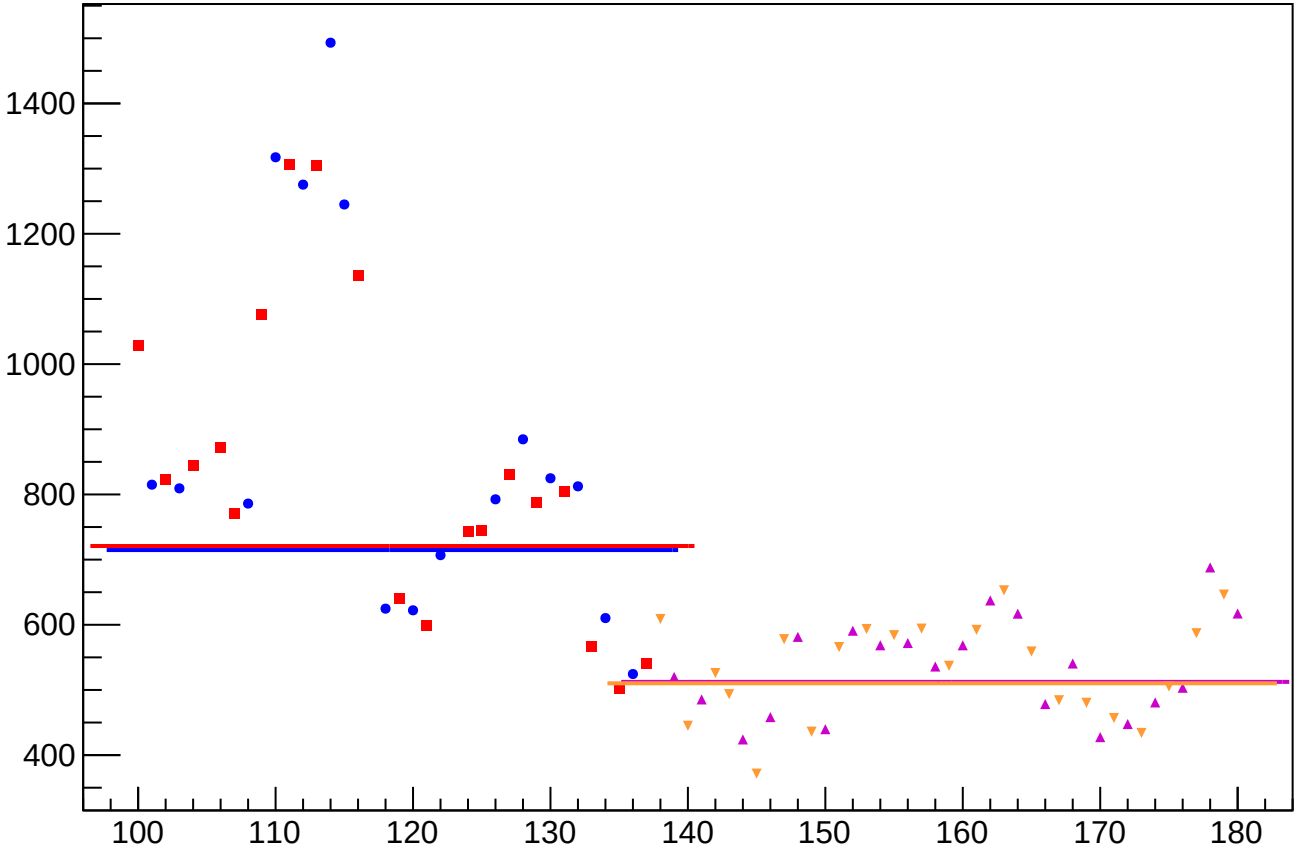
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -96.800+/-113.811 χ^2/NDF:36.3/36

Out: 374.577+/-112.836 χ^2/NDF:49.8/40

All: 140.916+/-80.129 χ^2/NDF: 94.8/77

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: 510.200+/-0.088 χ^2/NDF:786709.0/21

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 512.388+/-0.088 χ^2/NDF:630673.0/20

Left: 511.284+/-0.062 χ^2/NDF: 1417691.0/42

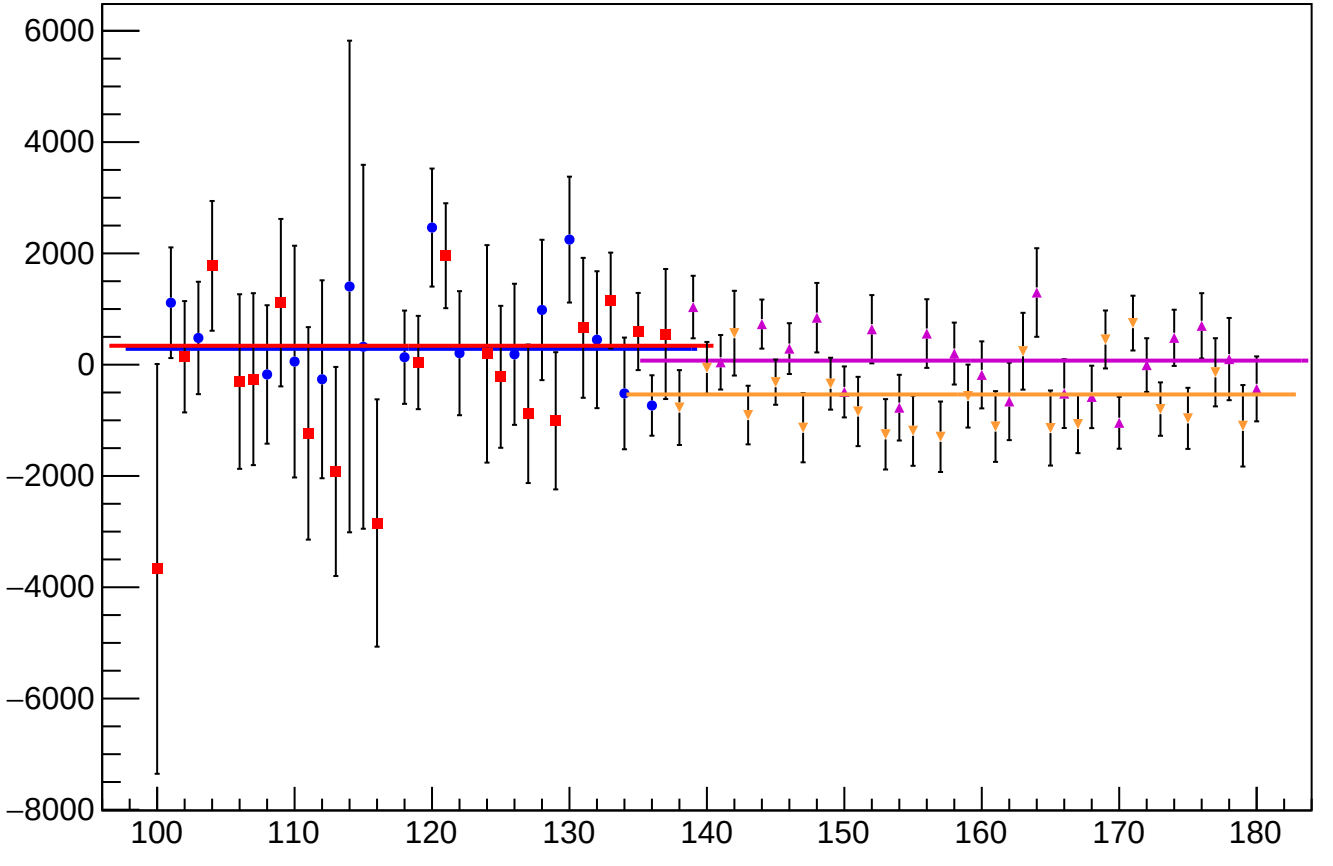
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 547.146+/-0.080 χ^2/NDF:2405928.6/36

Out: 546.035+/-0.080 χ^2/NDF:2789395.2/40

All: 546.586+/-0.057 χ^2/NDF: 5195419.7/77

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -534.894+/-120.349 χ^2/NDF:25.4/21

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 73.050+/-120.695 χ^2/NDF:26.2/20

Left: -231.794+/-85.222 χ^2/NDF: 64.4/42

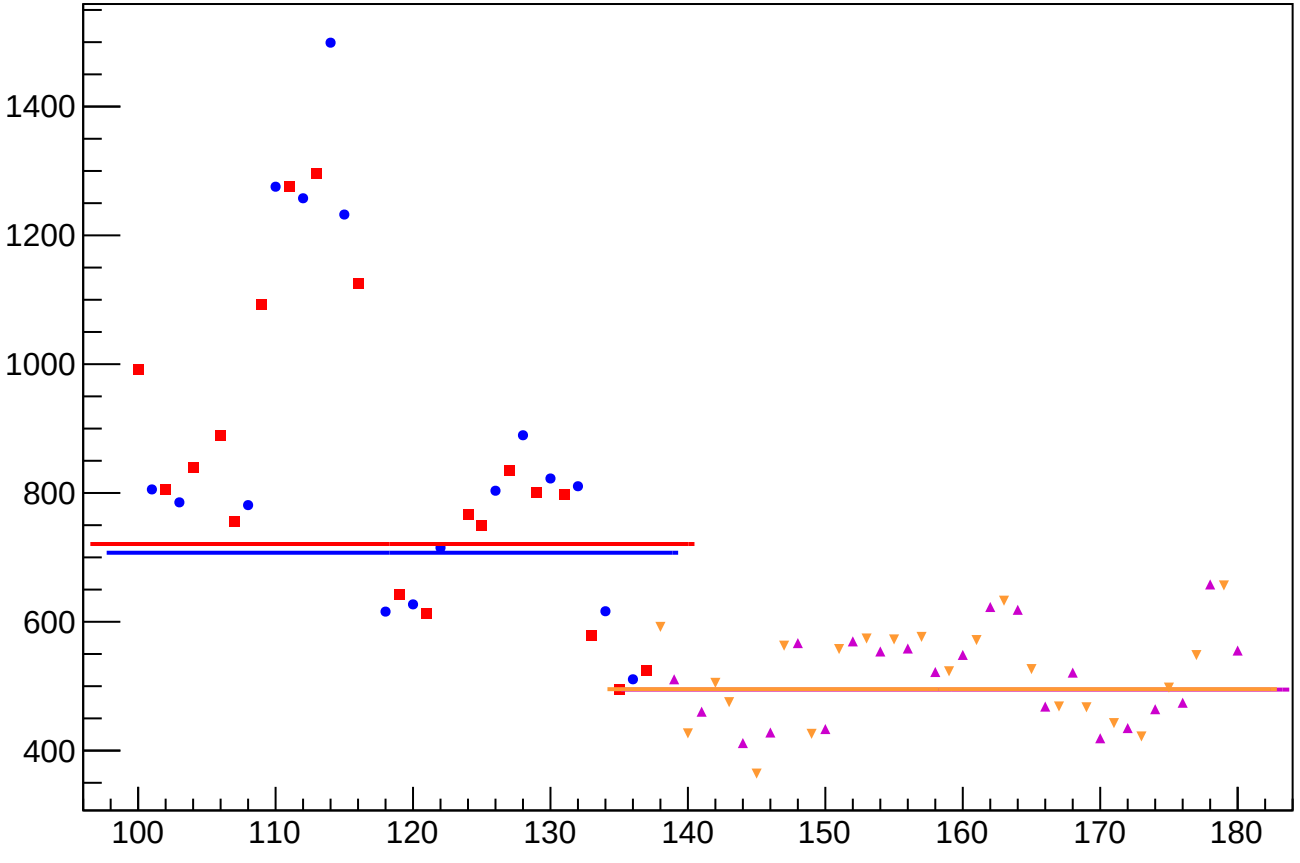
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 107.893+/-110.318 χ^2/NDF:39.5/36

Out: -393.055+/-110.163 χ^2/NDF:48.1/40

All: -142.933+/-77.951 χ^2/NDF: 97.9/77

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.362+/-0.085 χ^2/NDF:787555.5/21

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 494.703+/-0.085 χ^2/NDF:615812.1/20

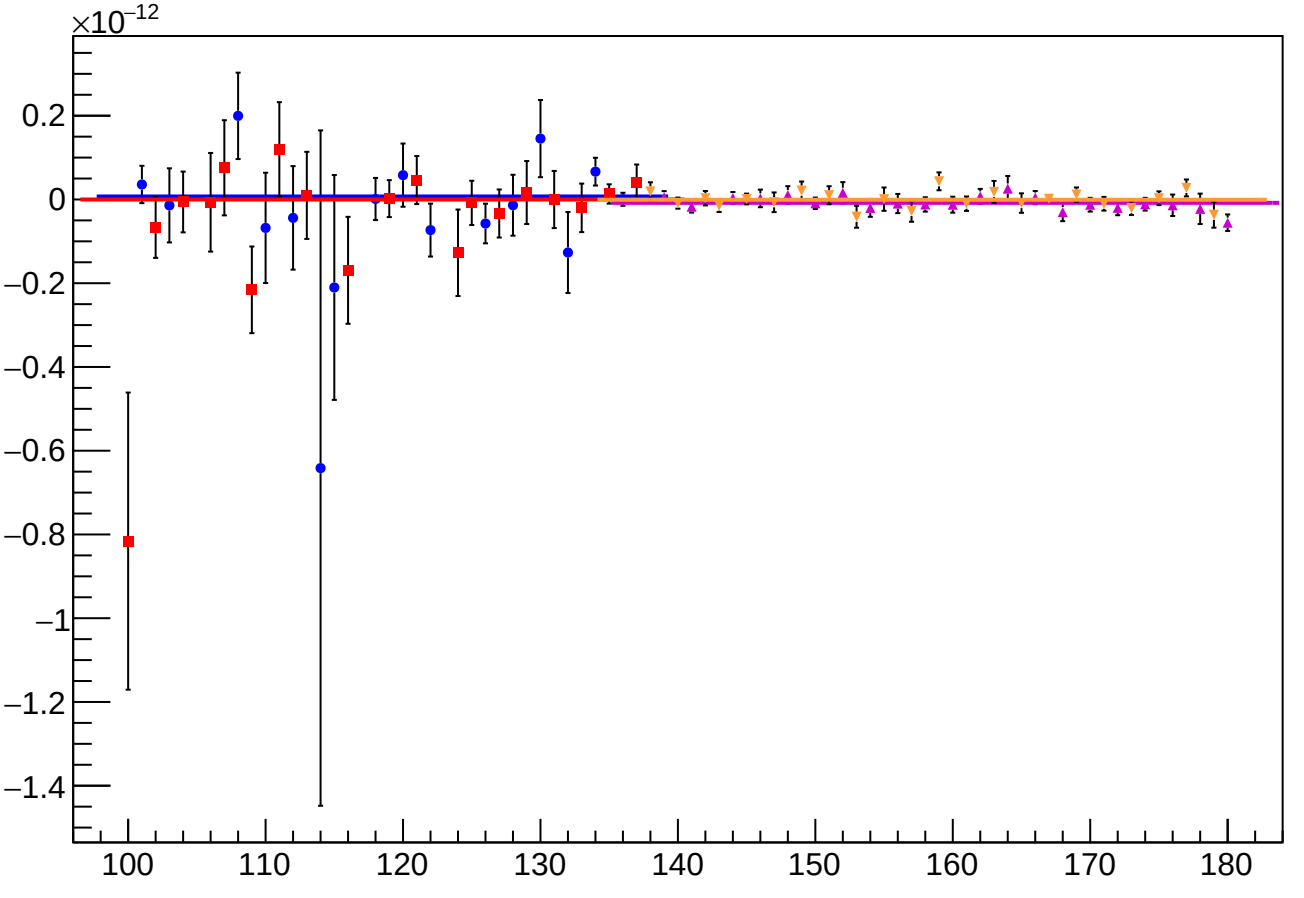
Left: 495.033+/-0.060 χ^2/NDF: 1403397.5/42

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 529.674+/-0.078 χ^2/NDF:2532805.0/36

Out: 531.906+/-0.078 χ^2/NDF:2940315.7/40

All: 530.791+/-0.055 χ^2/NDF: 5473530.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/20

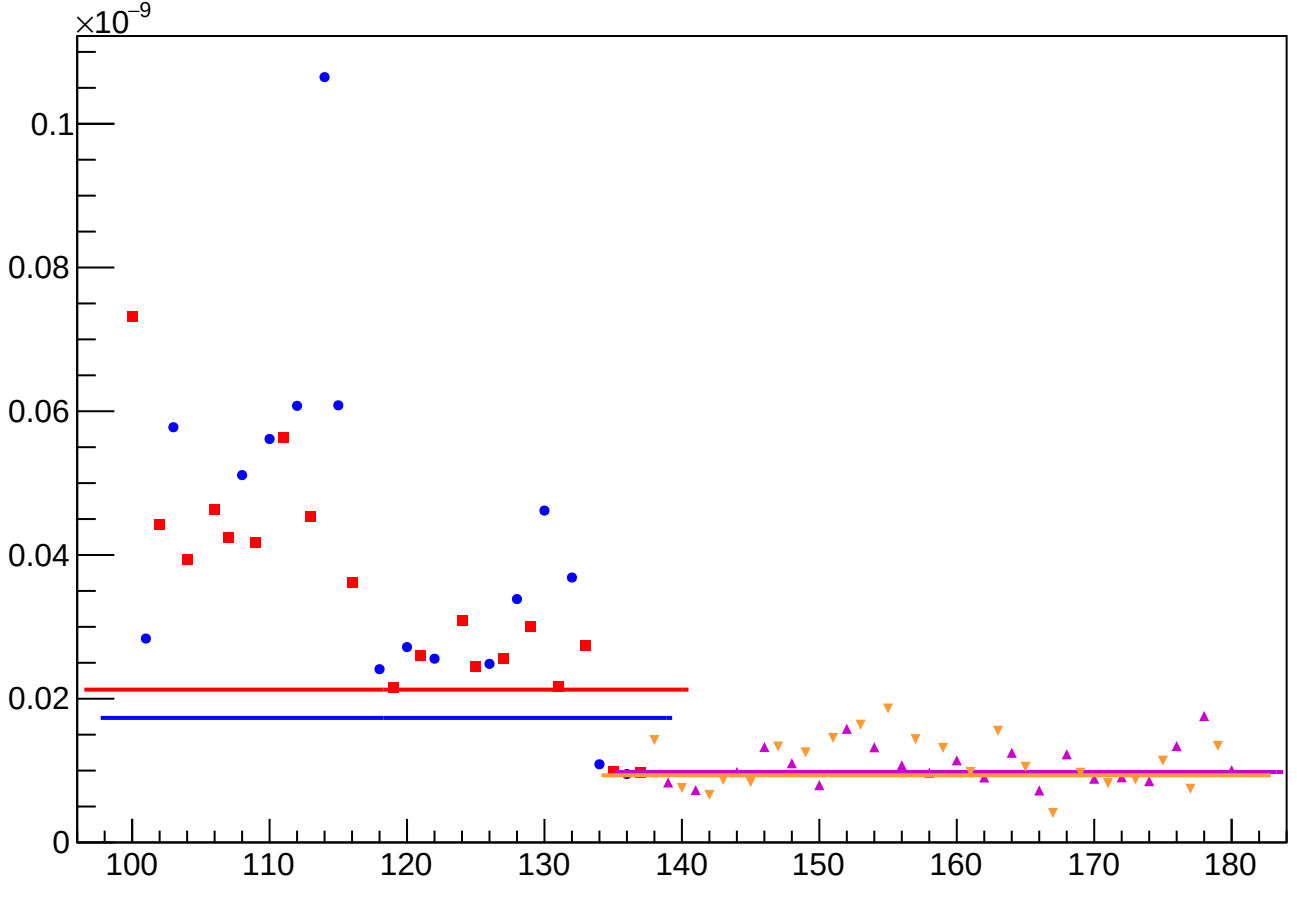
Left: -0.000+/-0.000 χ^2/NDF: 34.2/42

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:33.5/36

Out: -0.000+/-0.000 χ^2/NDF:35.6/40

All: -0.000+/-0.000 χ^2/NDF: 70.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1771656.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:617475.2/20

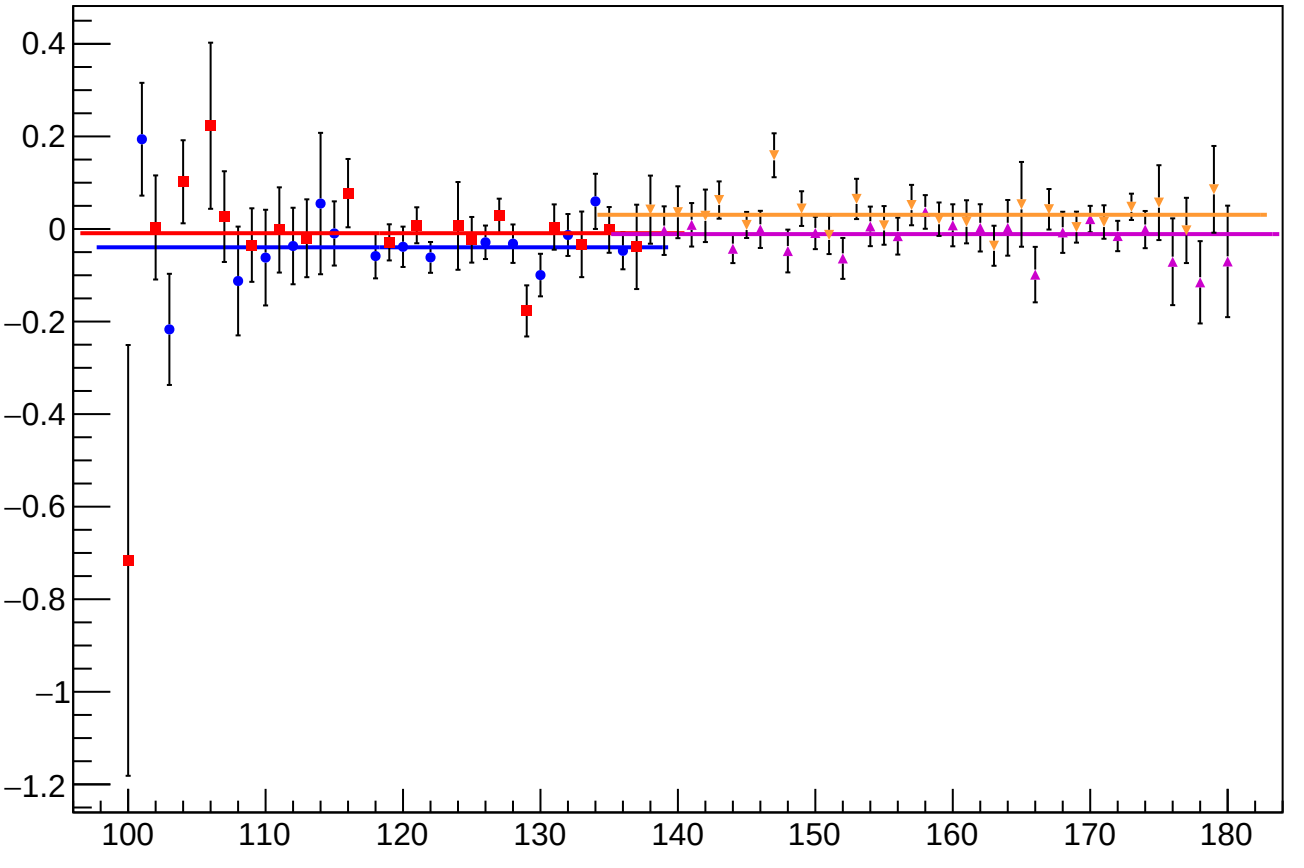
Left: 0.000+/-0.000 χ^2/NDF: 2403268.2/42

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3753628.1/36

Out: 0.000+/-0.000 χ^2/NDF:4909981.0/40

All: 0.000+/-0.000 χ^2/NDF: 8674992.4/77



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:11.1/20

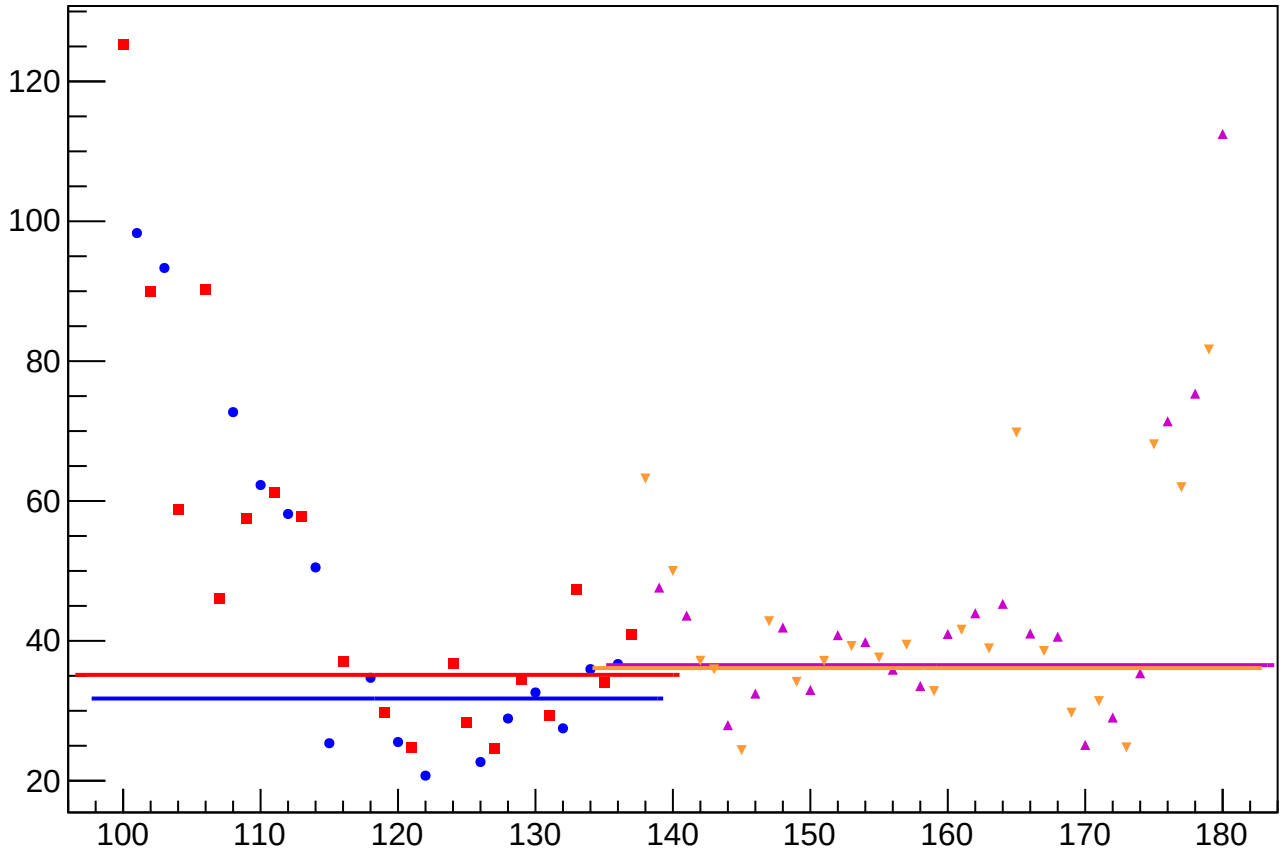
Left: 0.010+/-0.007 χ^2/NDF: 36.7/42

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.6/36

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 79.3/77



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

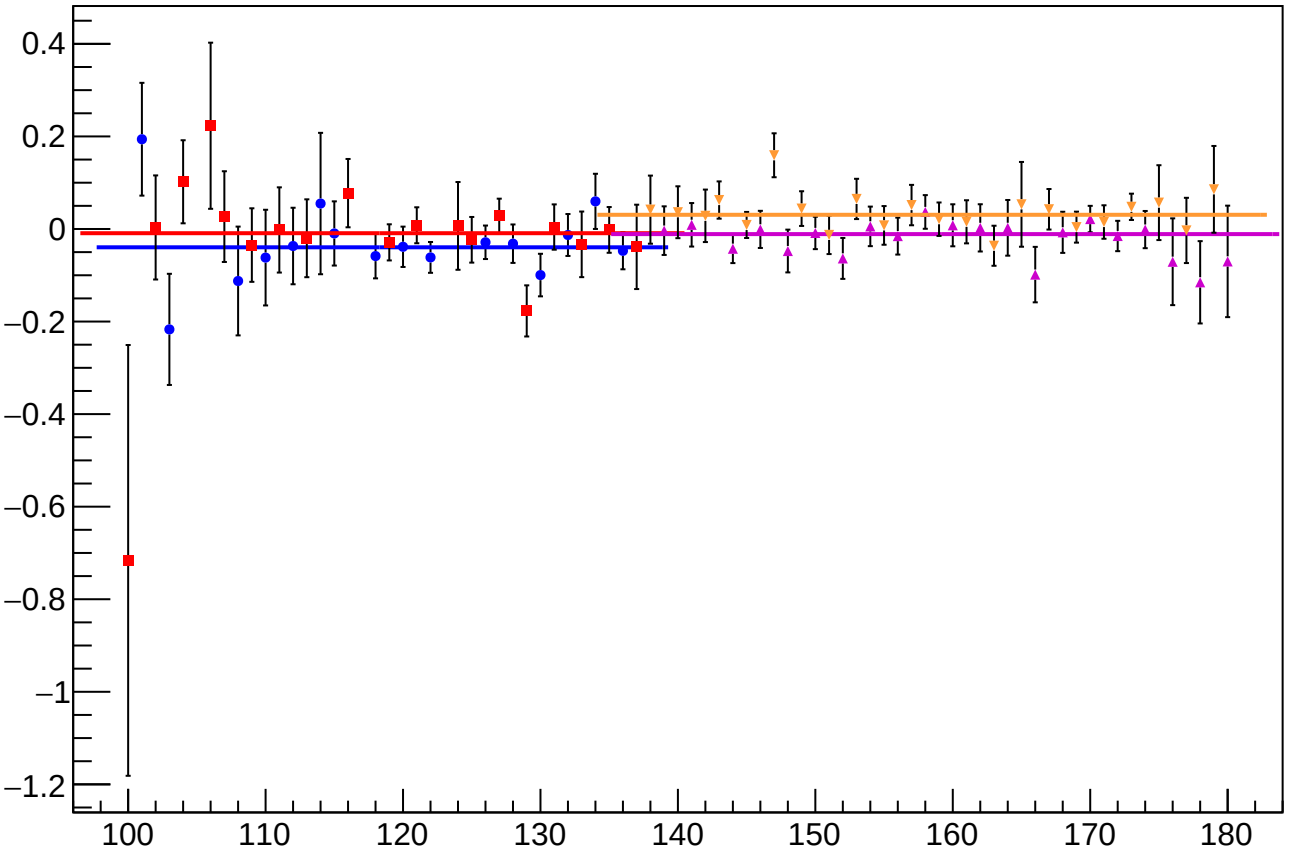
Left: 36.311+/-0.005 χ^2/NDF: 5036433.8/42

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.905+/-0.005 χ^2/NDF:4837042.3/36

Out: 35.820+/-0.005 χ^2/NDF:4474509.1/40

All: 35.360+/-0.004 χ^2/NDF: 9325681.3/77



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:11.1/20

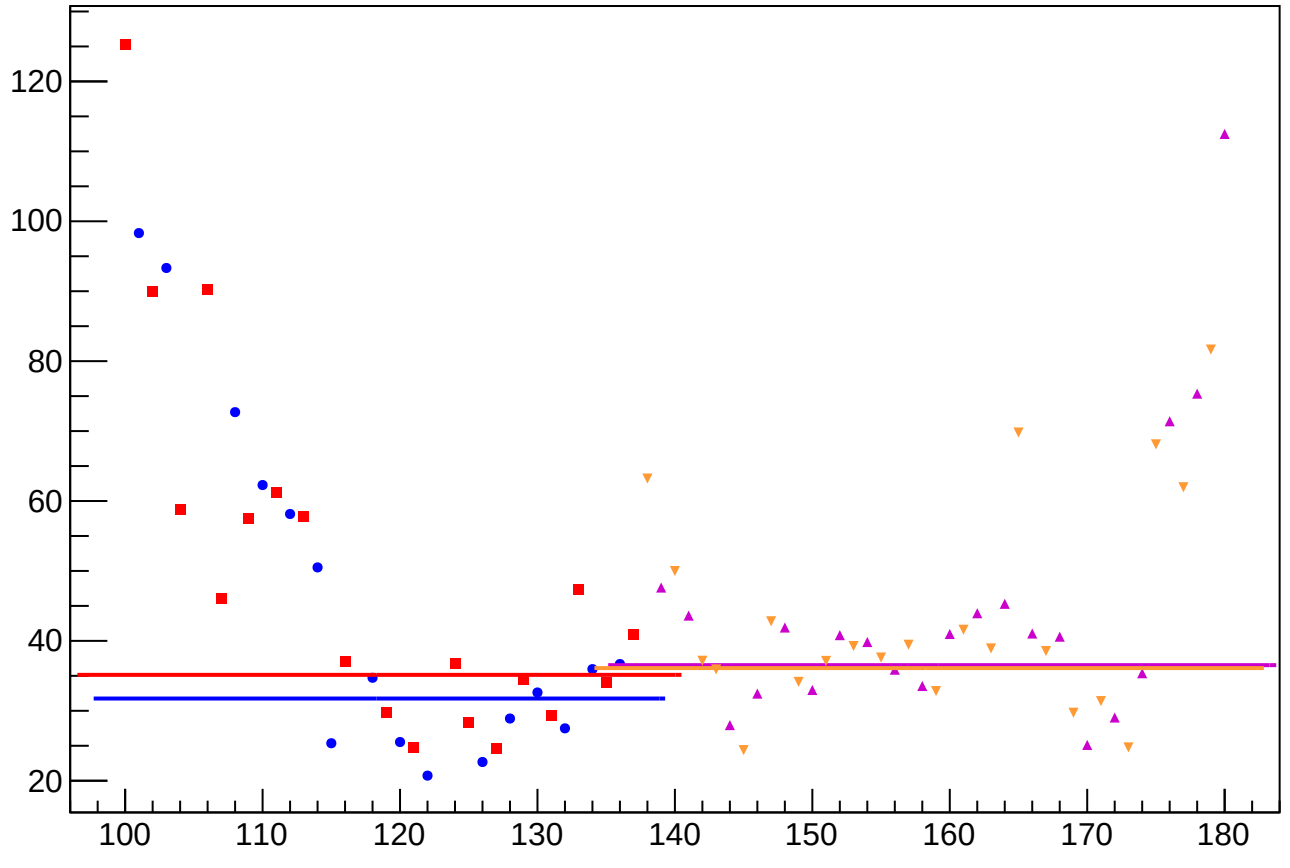
Left: 0.010+/-0.007 χ^2/NDF: 36.7/42

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.6/36

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 79.3/77



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411127.3/20

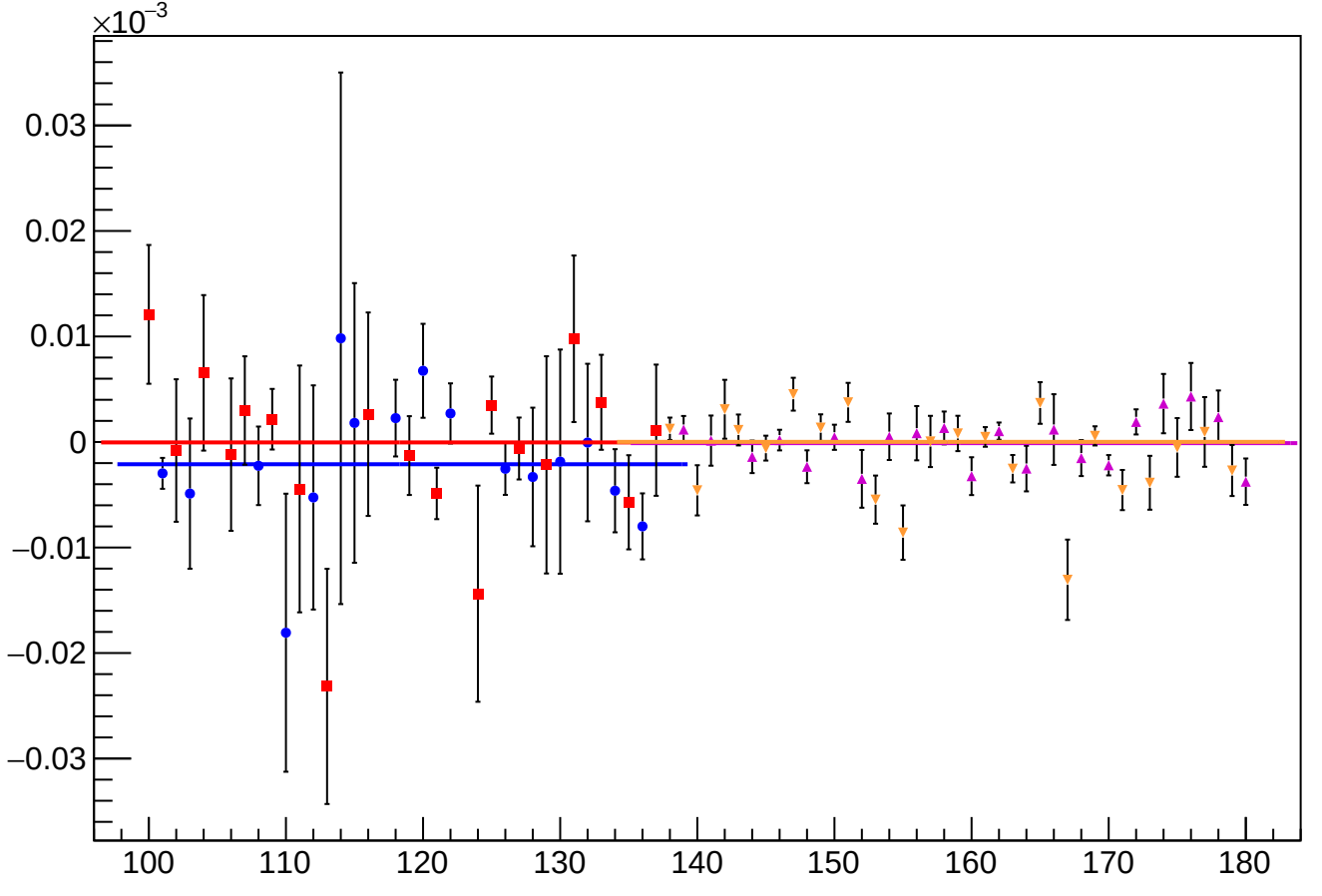
Left: 36.311+/-0.005 χ^2/NDF: 5036433.8/42

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.905+/-0.005 χ^2/NDF:4837042.3/36

Out: 35.820+/-0.005 χ^2/NDF:4474509.1/40

All: 35.360+/-0.004 χ^2/NDF: 9325681.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:28.8/20

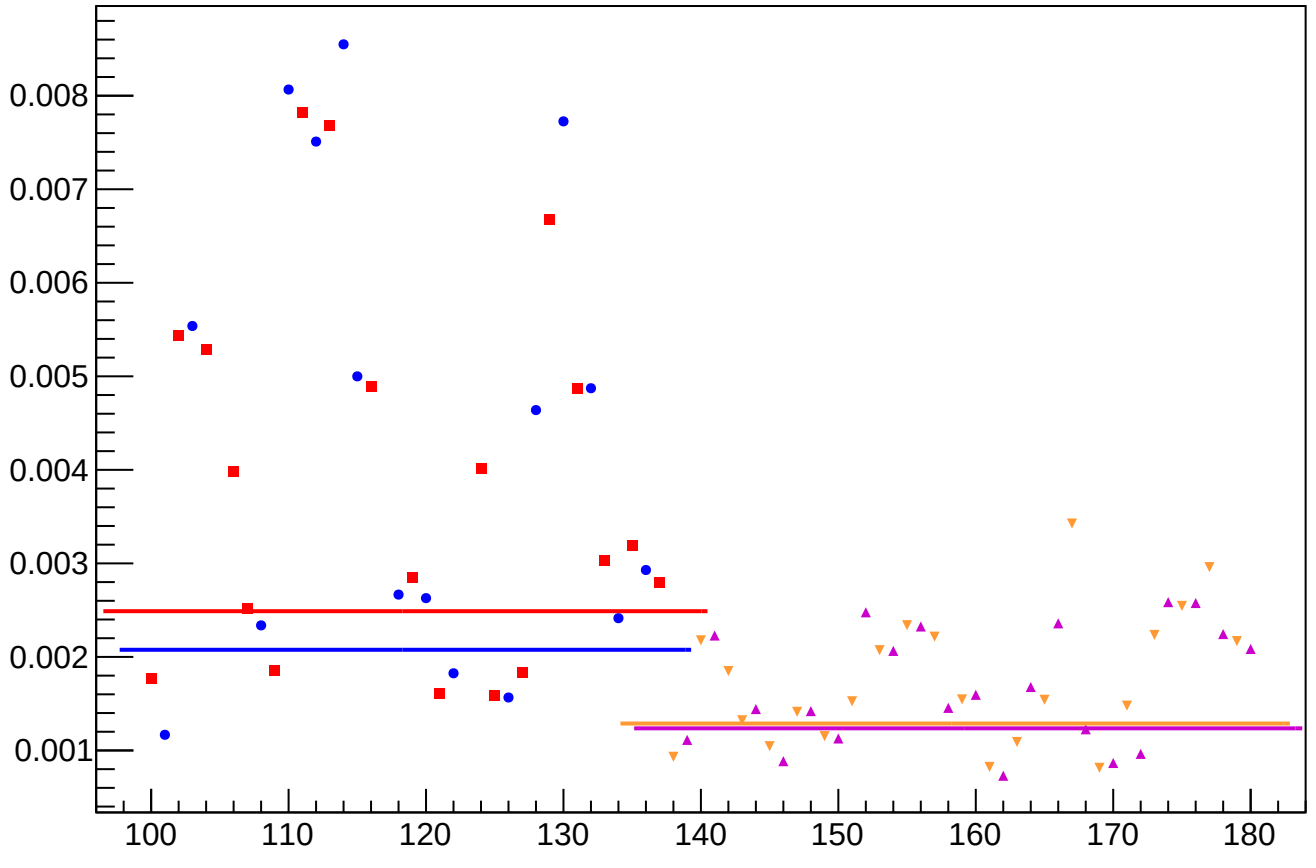
Left: -0.000+/-0.000 χ^2/NDF: 95.9/42

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:47.8/36

Out: 0.000+/-0.000 χ^2/NDF:88.5/40

All: -0.000+/-0.000 χ^2/NDF: 136.9/77



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4882165.1/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4790510.5/20

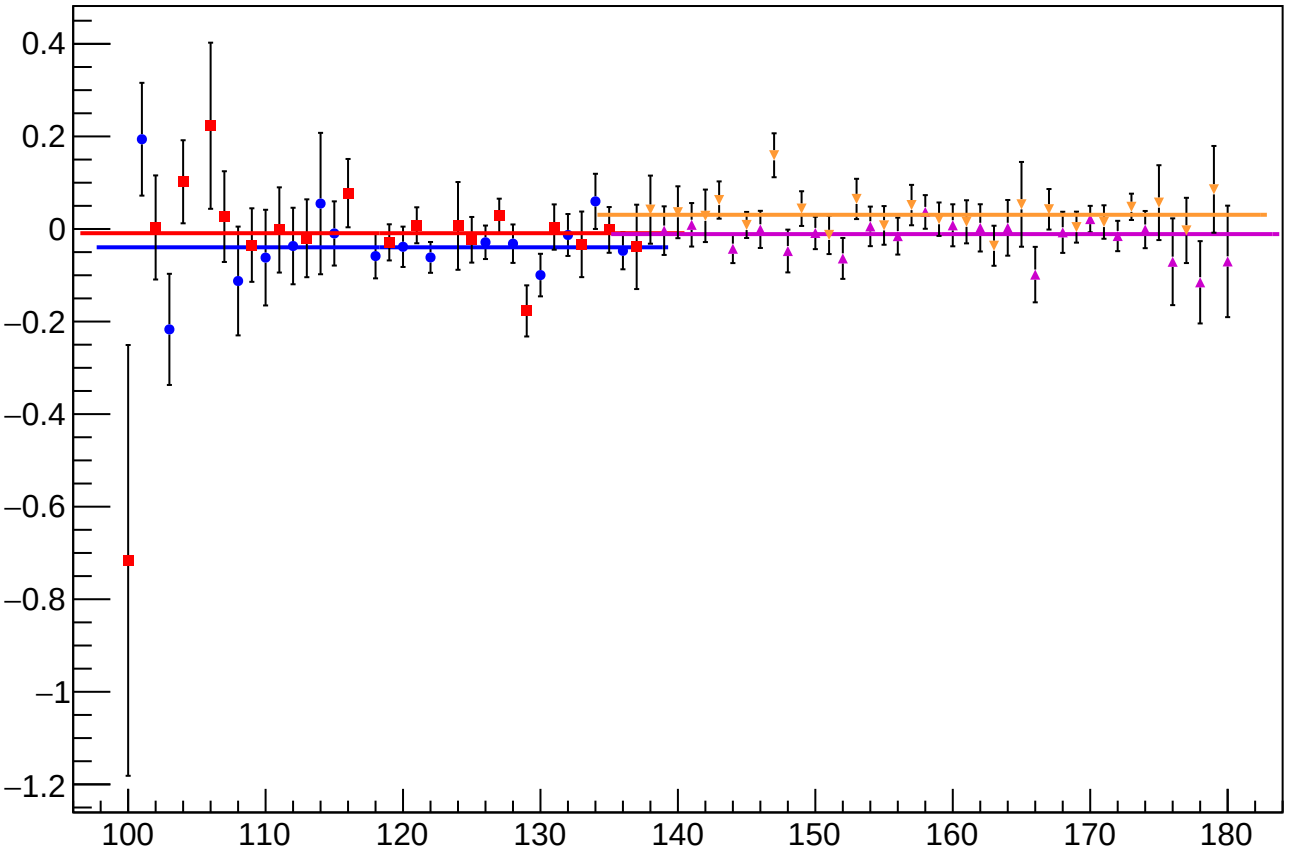
Left: 0.001+/-0.000 χ^2/NDF: 9696328.7/42

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:10213401.8/36

Out: 0.001+/-0.000 χ^2/NDF:10375654.7/40

All: 0.001+/-0.000 χ^2/NDF: 20635186.7/77



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:11.1/20

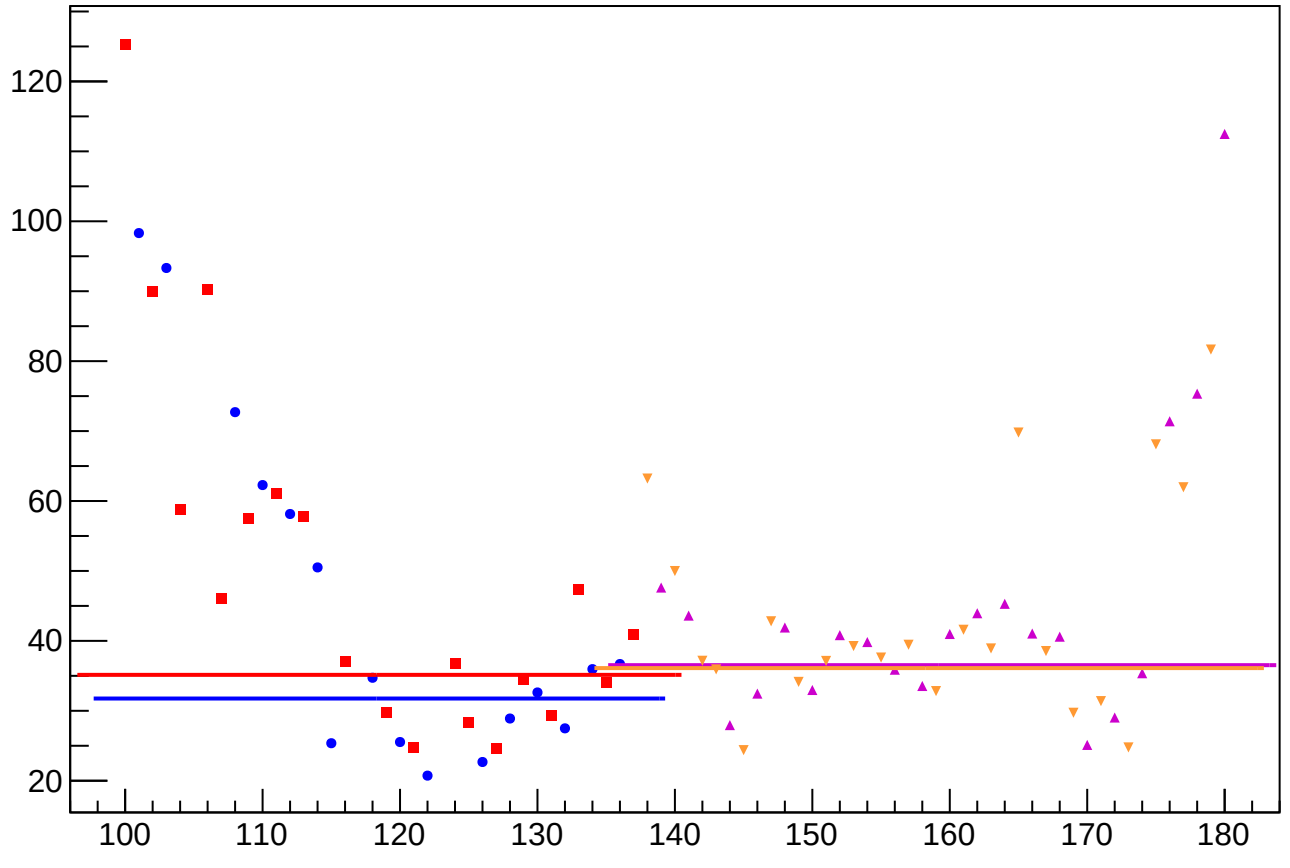
Left: 0.010+/-0.007 χ^2/NDF: 36.7/42

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.6/36

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 79.3/77



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623287.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

Left: 36.311+/-0.005 χ^2/NDF: 5036411.0/42

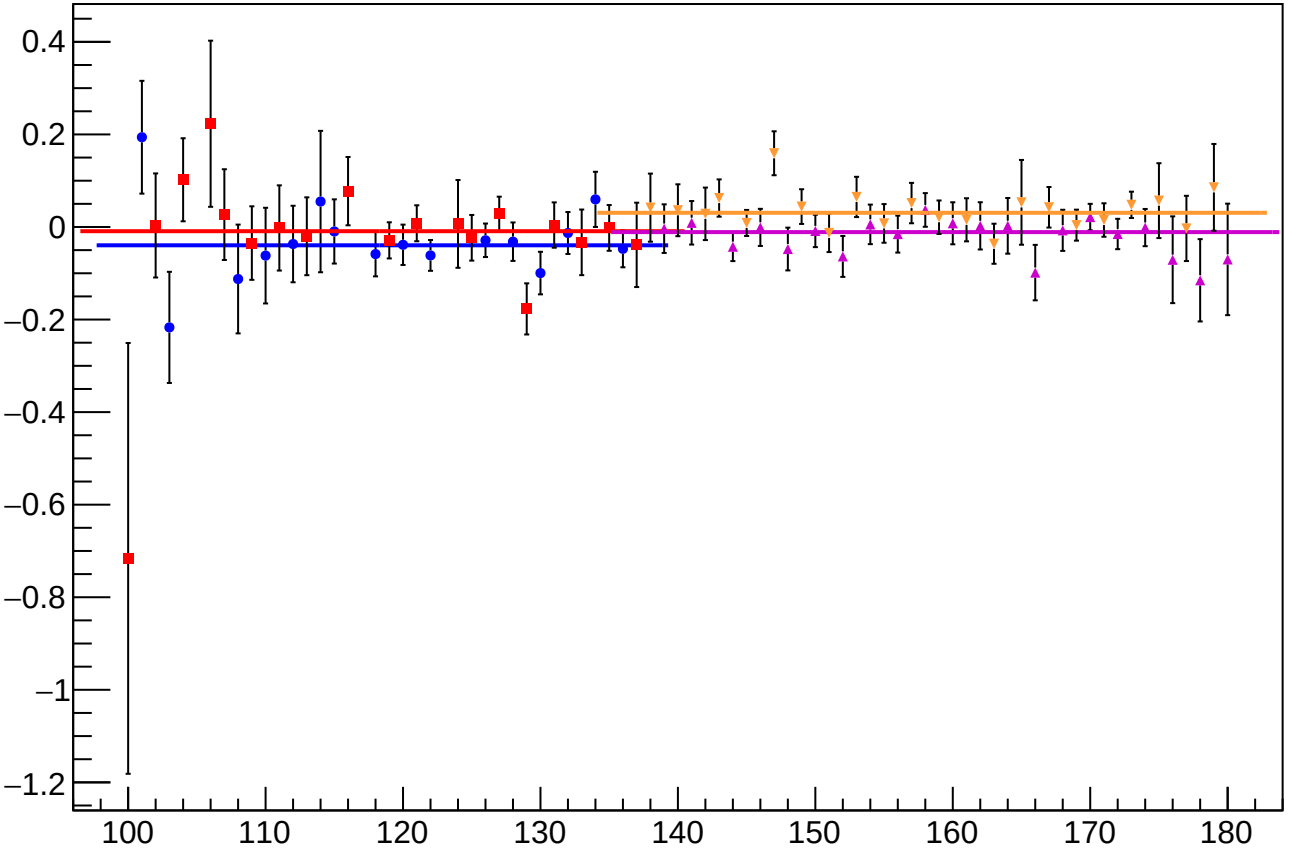
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.906+/-0.005 χ^2/NDF:4836950.5/36

Out: 35.820+/-0.005 χ^2/NDF:4474410.5/40

All: 35.360+/-0.004 χ^2/NDF: 9325491.1/77

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:11.1/20

Left: 0.010+/-0.007 χ^2/NDF: 36.7/42

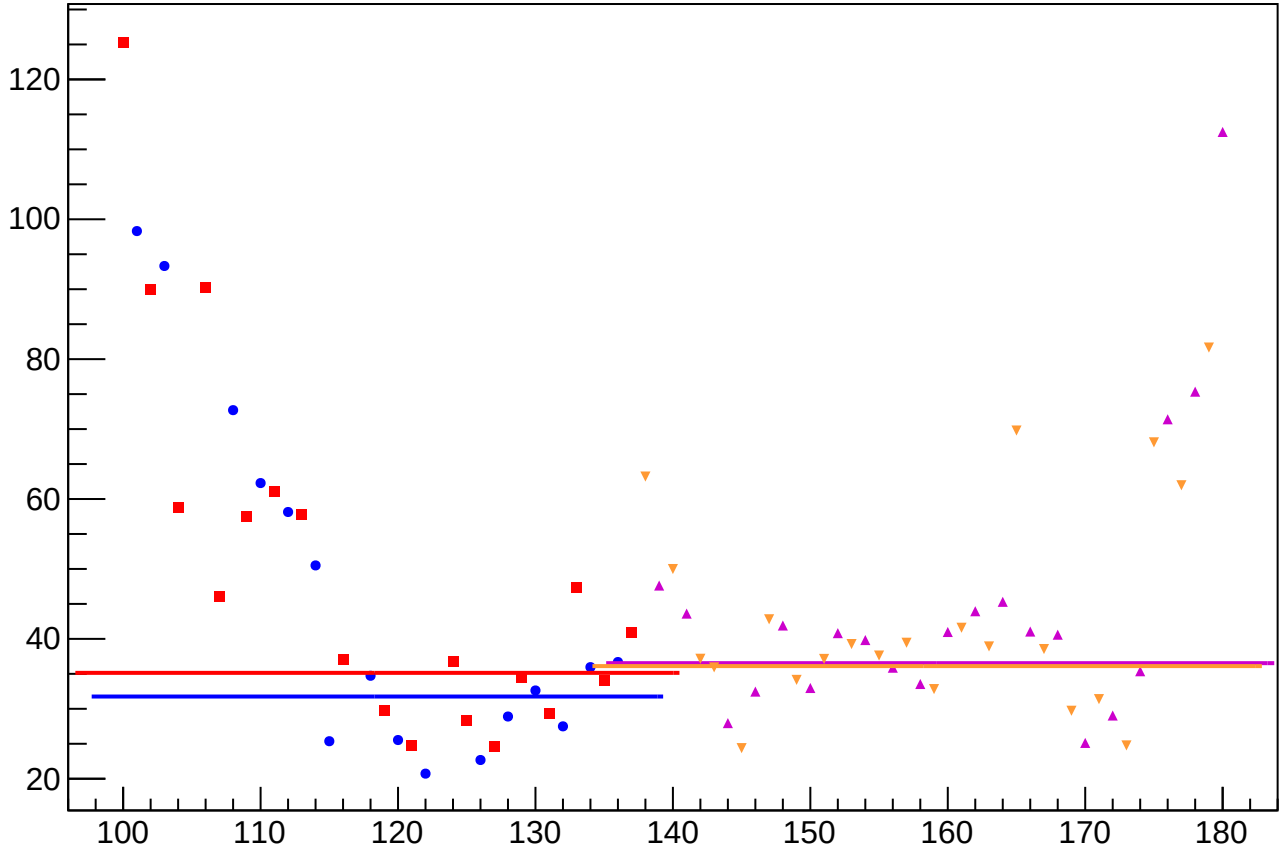
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.6/36

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 79.3/77

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: 36.107+/-0.007 χ^2/NDF:2623287.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.527+/-0.007 χ^2/NDF:2411092.7/20

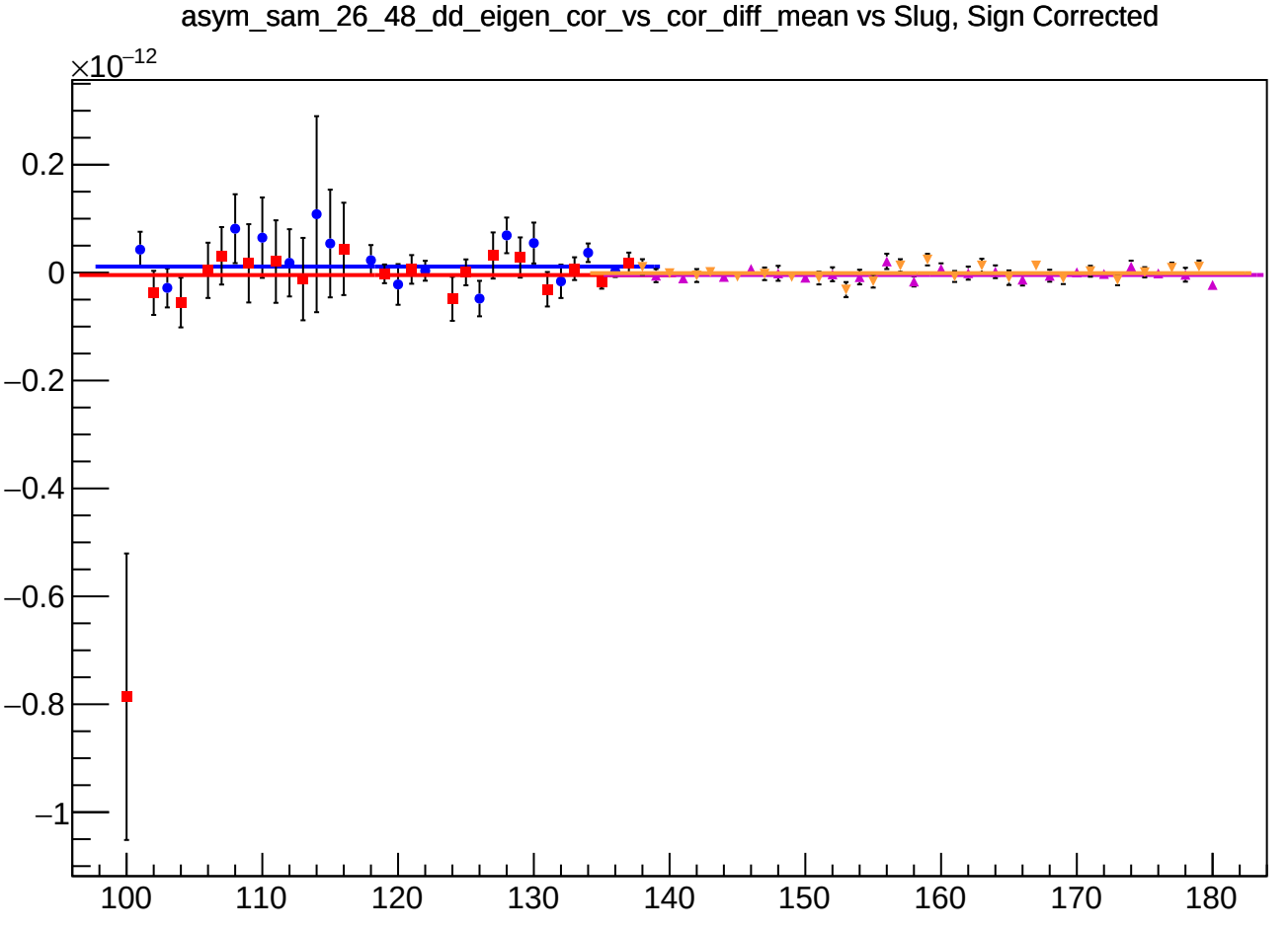
Left: 36.311+/-0.005 χ^2/NDF: 5036411.0/42

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.906+/-0.005 χ^2/NDF:4836950.5/36

Out: 35.820+/-0.005 χ^2/NDF:4474410.5/40

All: 35.360+/-0.004 χ^2/NDF: 9325491.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/20

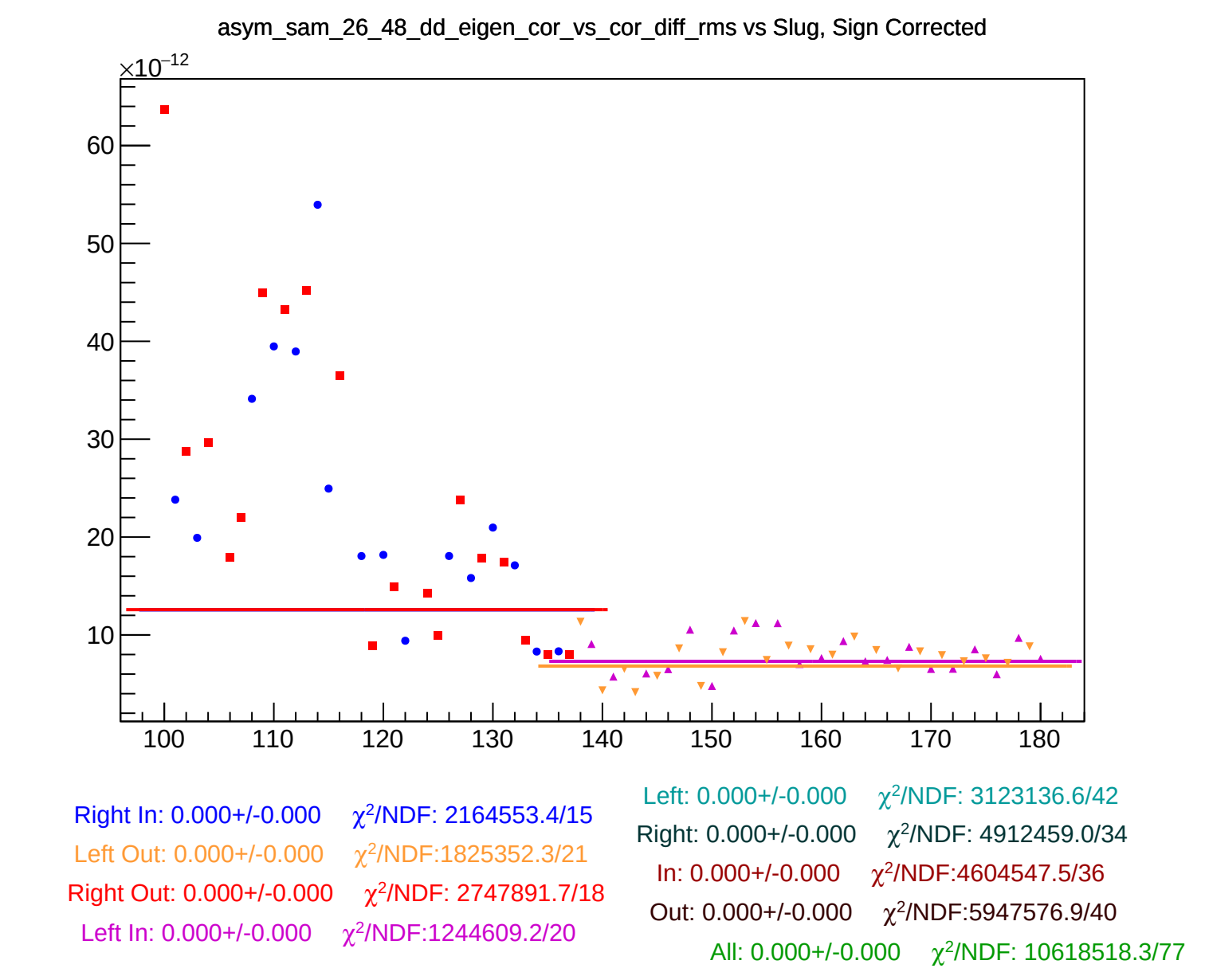
Left: -0.000+/-0.000 χ^2/NDF: 43.7/42

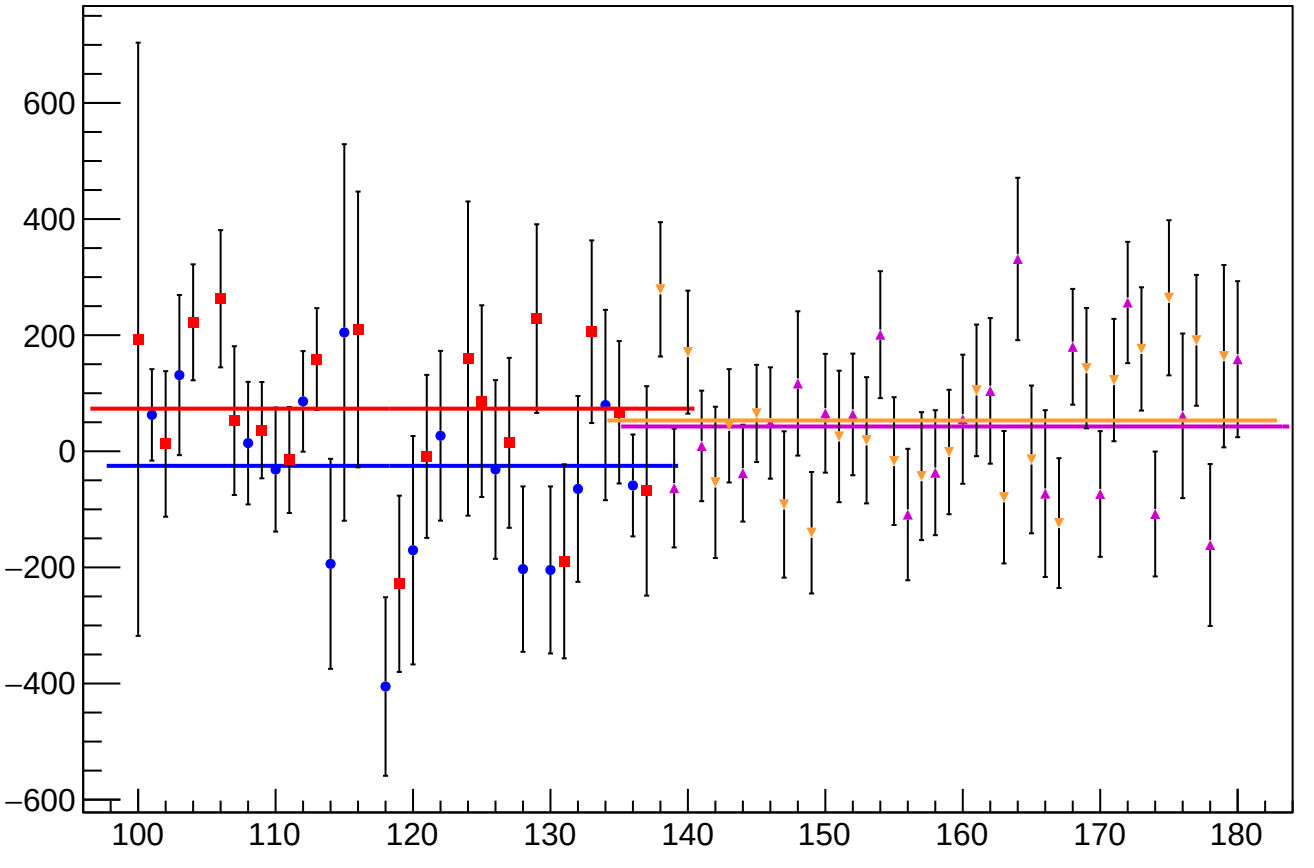
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:39.1/36

Out: -0.000+/-0.000 χ^2/NDF:43.3/40

All: -0.000+/-0.000 χ^2/NDF: 82.6/77


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1825352.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1244609.2/20
Left: 0.000+/-0.000 χ²/NDF: 3123136.6/42
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4604547.5/36
Out: 0.000+/-0.000 χ²/NDF:5947576.9/40
All: 0.000+/-0.000 χ²/NDF: 10618518.3/77



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.102+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 42.708+/-24.095 χ^2/NDF:24.3/20

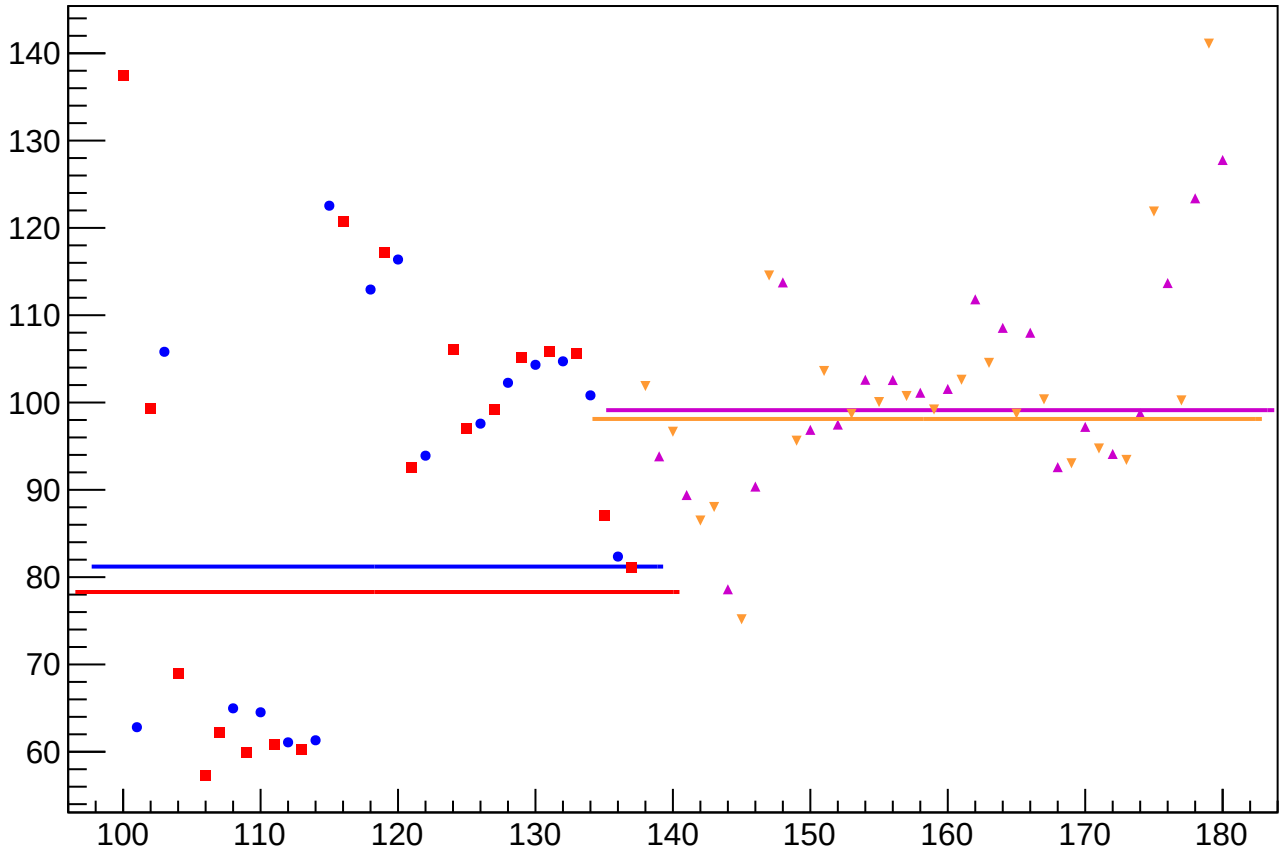
Left: 47.995+/-16.890 χ^2/NDF: 47.8/42

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 17.417+/-19.077 χ^2/NDF:43.4/36

Out: 60.938+/-18.573 χ^2/NDF:40.5/40

All: 39.760+/-13.308 χ^2/NDF: 86.6/77



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.3/20

Left: 98.613+/-0.012 χ^2/NDF: 890715.5/42

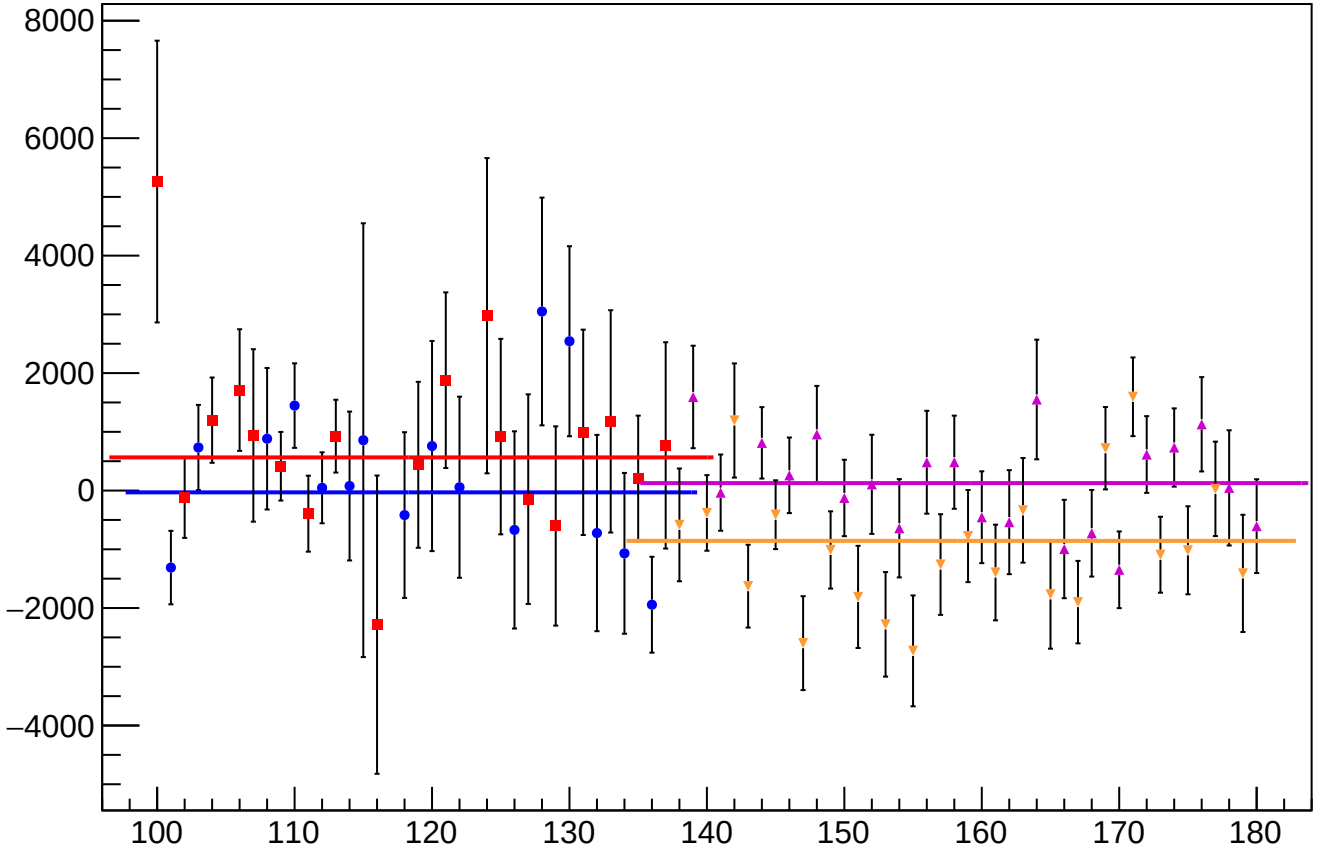
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 92.441+/-0.013 χ^2/NDF:1622479.4/36

Out: 90.488+/-0.013 χ^2/NDF:1940697.4/40

All: 91.438+/-0.009 χ^2/NDF: 3573933.7/77

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: -856.224+/-164.379 χ^2/NDF:43.7/21

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 127.149+/-165.291 χ^2/NDF:21.7/20

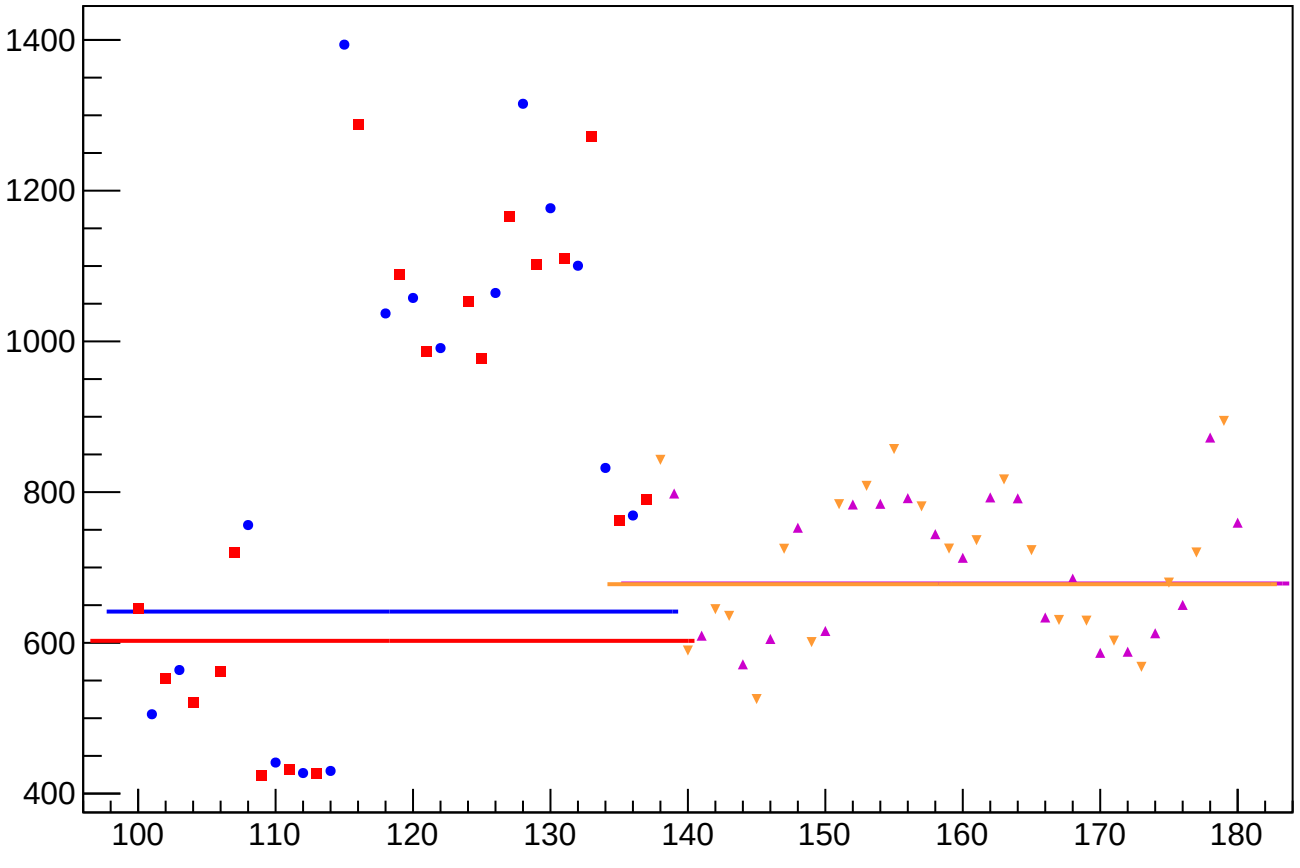
Left: -367.256+/-116.555 χ^2/NDF: 83.2/42

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 81.046+/-139.020 χ^2/NDF:43.8/36

Out: -398.539+/-135.345 χ^2/NDF:81.1/40

All: -165.169+/-96.977 χ^2/NDF: 131.0/77



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.8/21

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 678.757+/-0.117 χ^2/NDF:559599.2/20

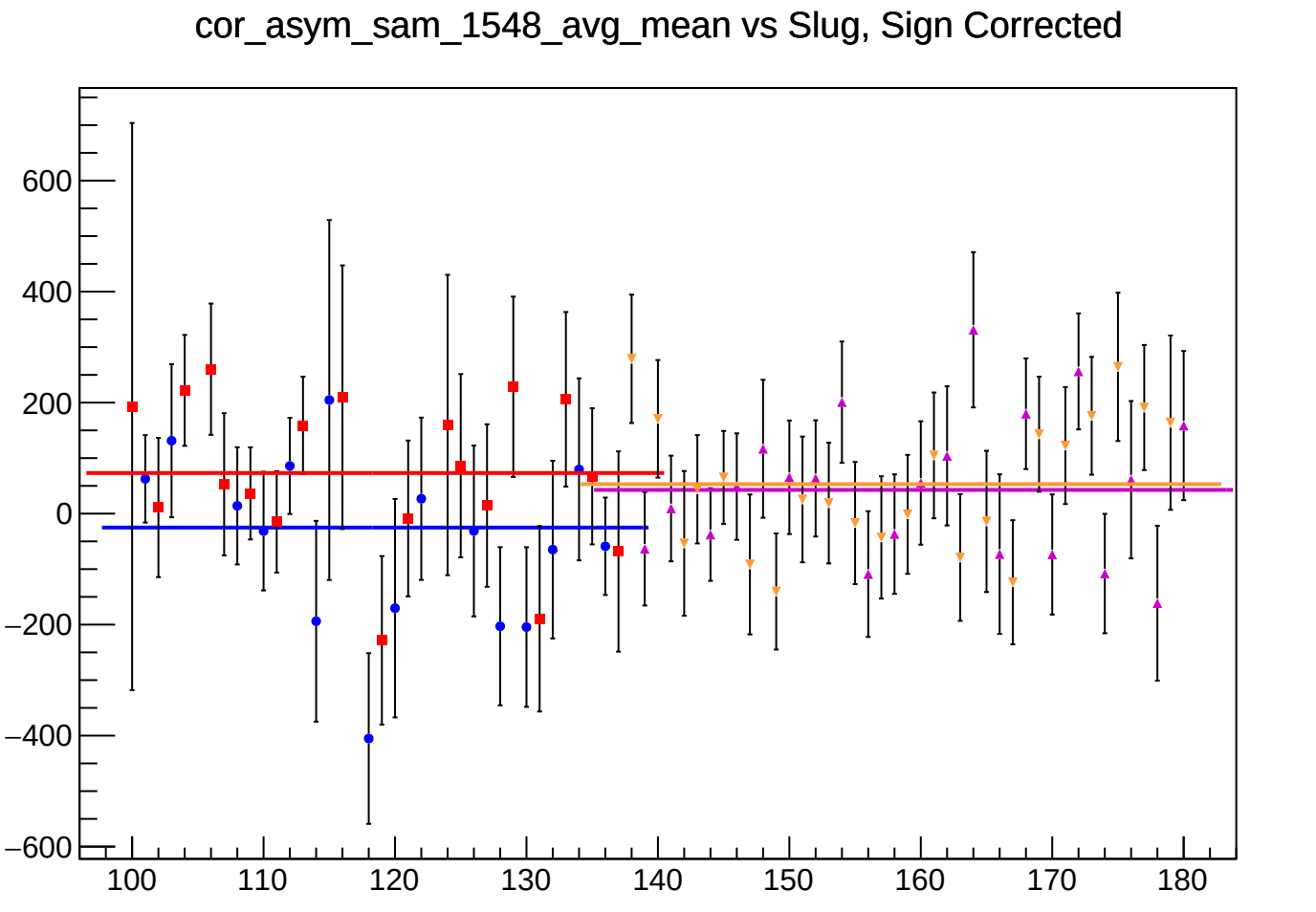
Left: 678.287+/-0.082 χ^2/NDF: 1281216.1/42

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 667.855+/-0.098 χ^2/NDF:2464325.1/36

Out: 653.614+/-0.096 χ^2/NDF:2926587.3/40

All: 660.543+/-0.069 χ^2/NDF: 5401686.9/77



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 42.709+/-24.095 χ^2/NDF:24.3/20

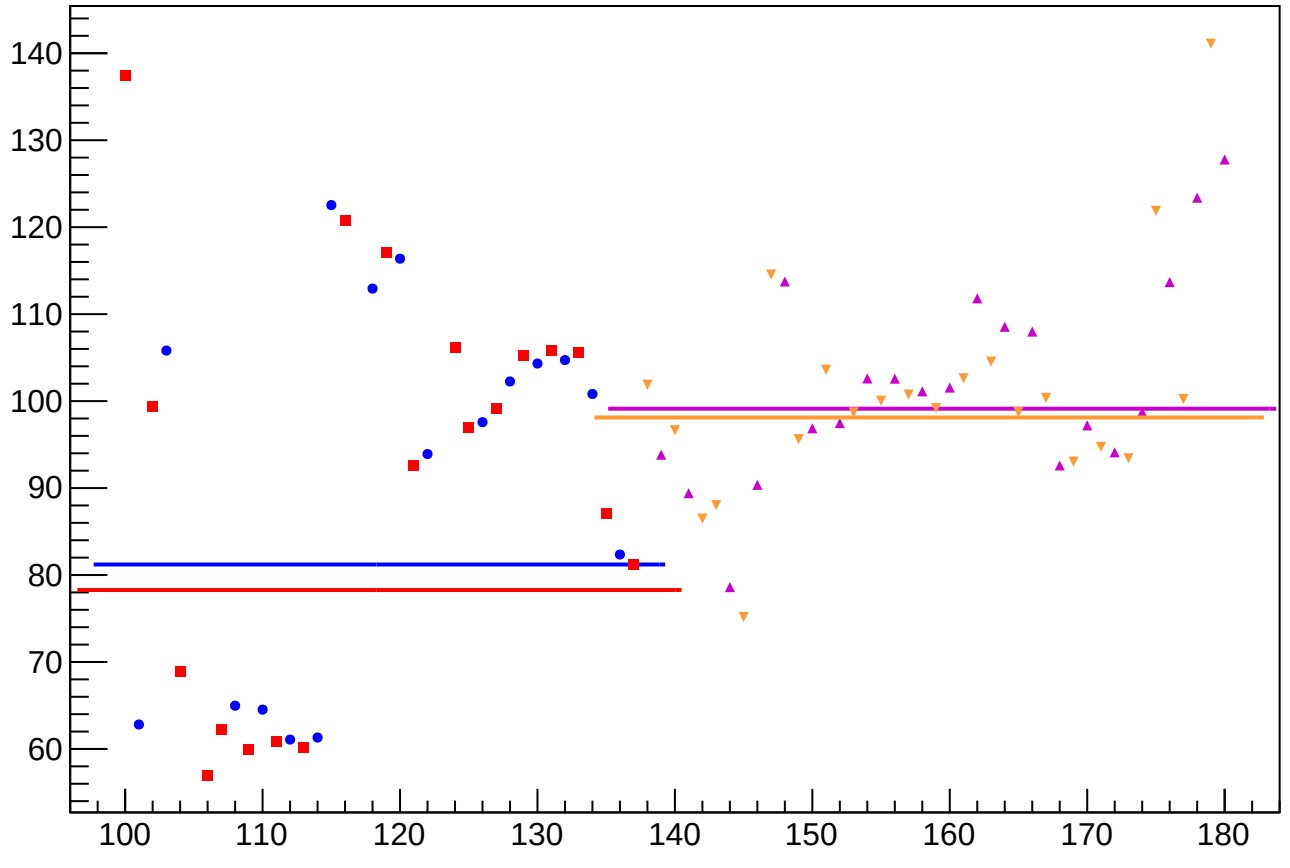
Left: 47.997+/-16.890 χ^2/NDF: 47.8/42

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.416+/-19.077 χ^2/NDF:43.4/36

Out: 60.838+/-18.573 χ^2/NDF:40.4/40

All: 39.707+/-13.308 χ^2/NDF: 86.5/77



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

Left: 98.613+/-0.012 χ^2/NDF: 890715.5/42

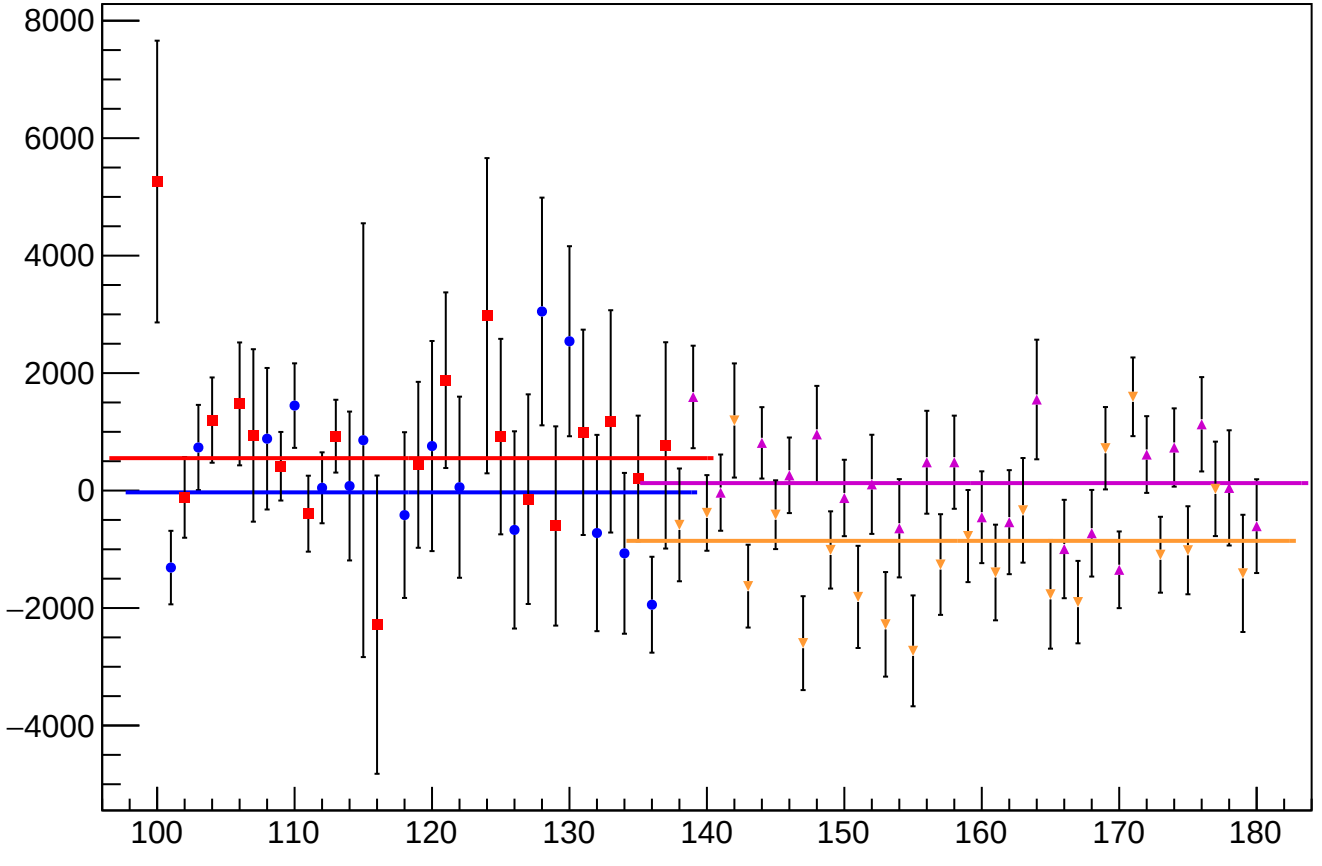
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 92.441+/-0.013 χ^2/NDF:1622480.9/36

Out: 90.482+/-0.013 χ^2/NDF:1943810.0/40

All: 91.435+/-0.009 χ^2/NDF: 3577120.5/77

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: -856.218+/-164.379 χ^2/NDF:43.7/21

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 127.148+/-165.291 χ^2/NDF:21.7/20

Left: -367.254+/-116.555 χ^2/NDF: 83.2/42

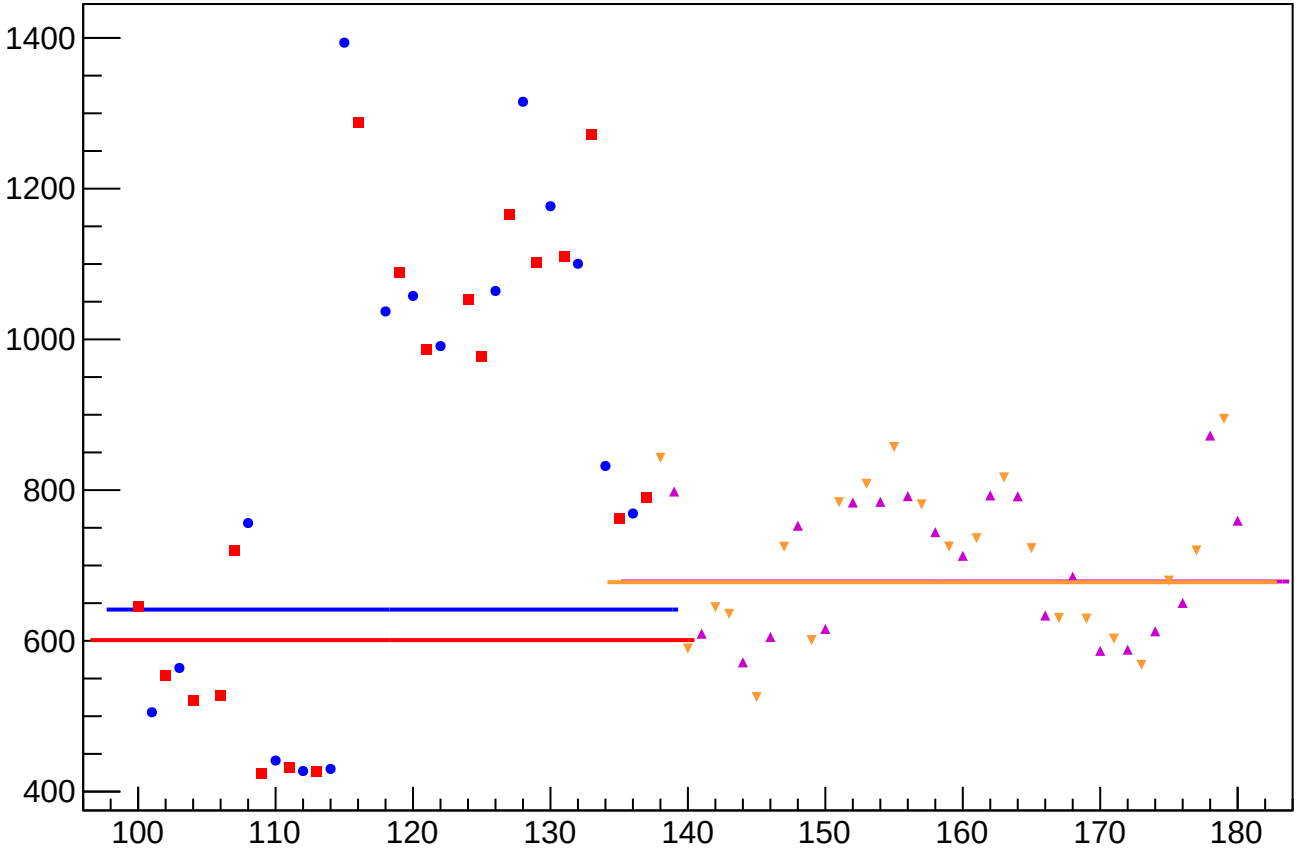
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 81.039+/-139.021 χ^2/NDF:43.8/36

Out: -403.085+/-135.372 χ^2/NDF:80.1/40

All: -167.459+/-96.987 χ^2/NDF: 130.2/77

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

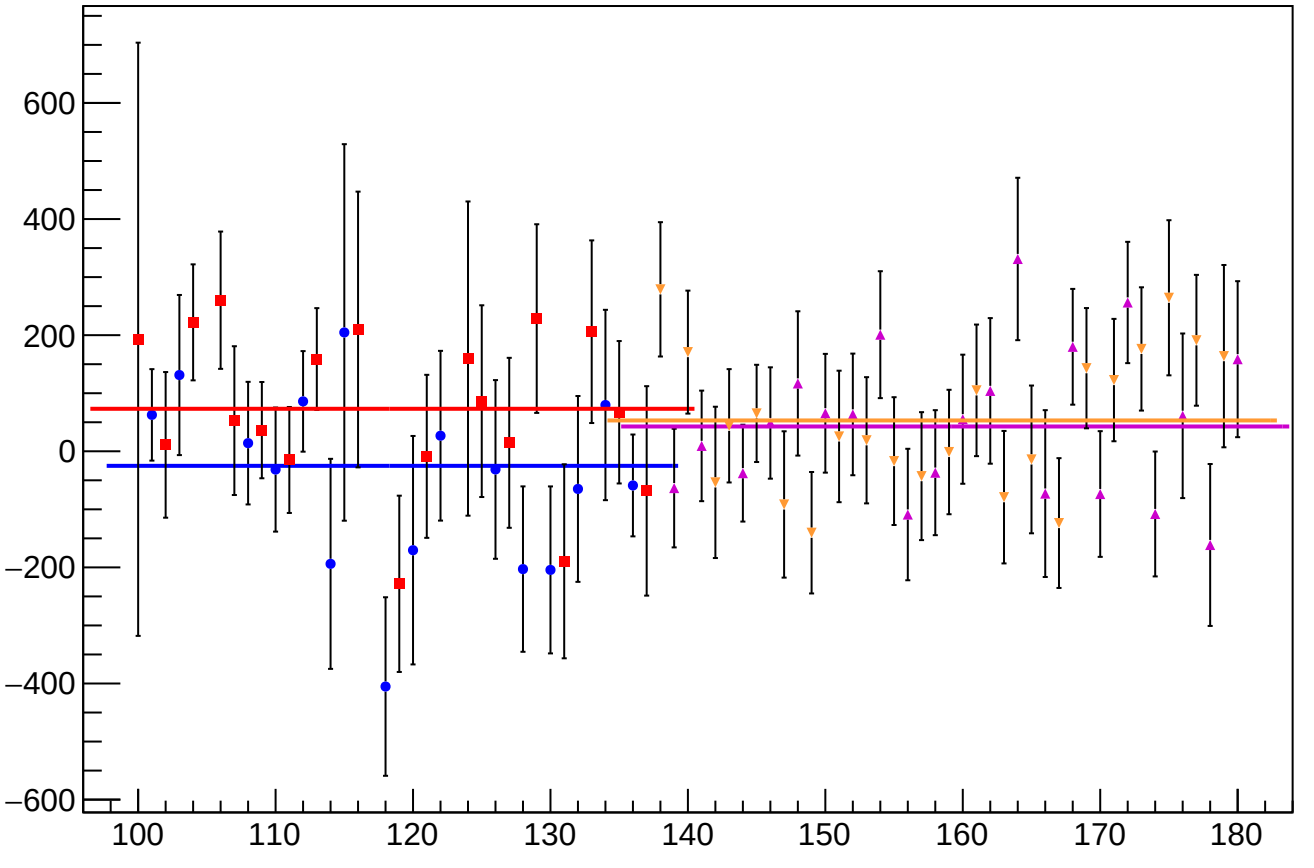
Left: 678.287+/-0.082 χ^2/NDF: 1281217.1/42

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.857+/-0.098 χ^2/NDF:2464270.7/36

Out: 653.094+/-0.096 χ^2/NDF:2939474.8/40

All: 660.279+/-0.069 χ^2/NDF: 5415323.0/77



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 42.709+/-24.095 χ^2/NDF:24.3/20

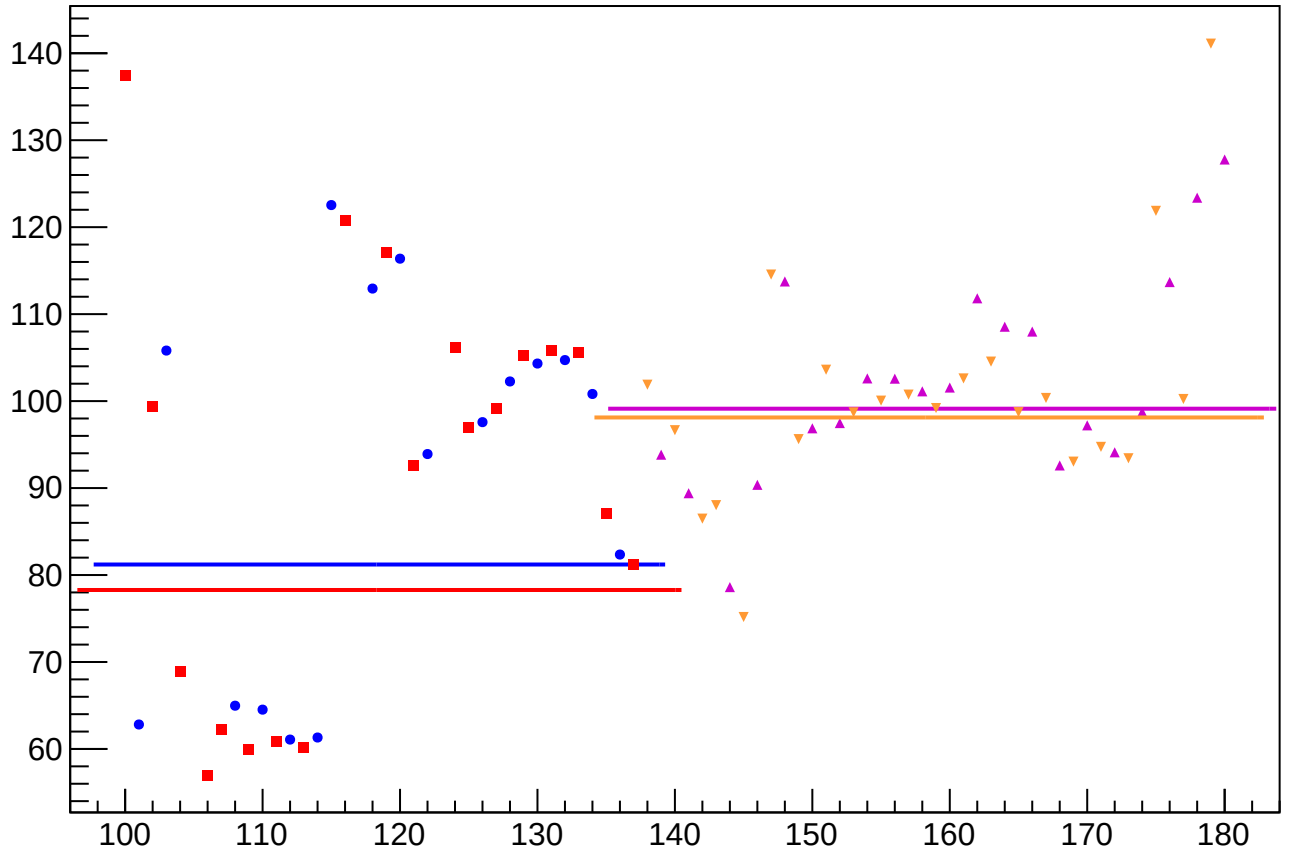
Left: 47.997+/-16.890 χ^2/NDF: 47.8/42

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.416+/-19.077 χ^2/NDF:43.4/36

Out: 60.838+/-18.573 χ^2/NDF:40.4/40

All: 39.707+/-13.308 χ^2/NDF: 86.5/77



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 99.126+/-0.017 χ^2/NDF:422162.4/20

Left: 98.613+/-0.012 χ^2/NDF: 890715.5/42

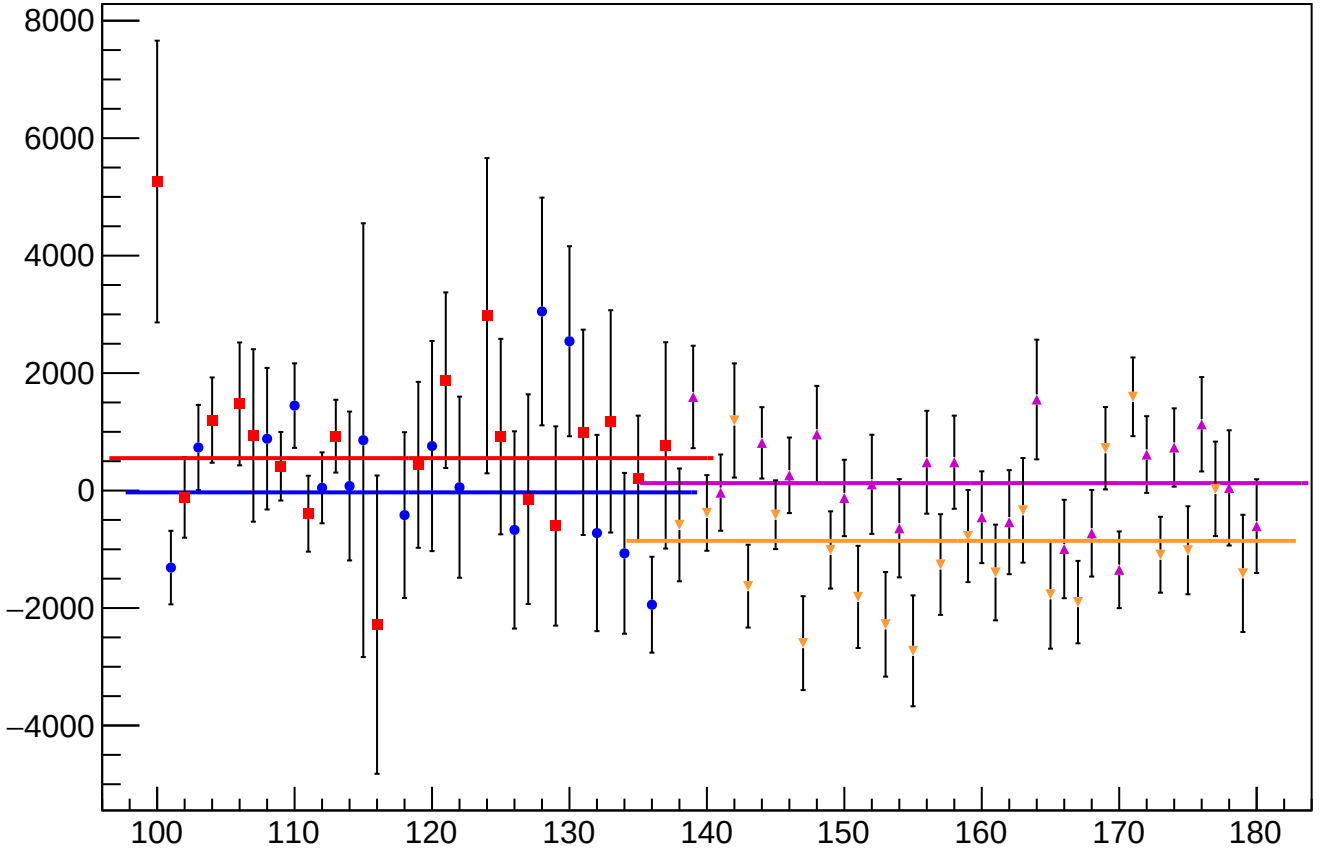
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 92.441+/-0.013 χ^2/NDF:1622480.9/36

Out: 90.482+/-0.013 χ^2/NDF:1943810.0/40

All: 91.435+/-0.009 χ^2/NDF: 3577120.5/77

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: -856.218+/-164.379 χ^2/NDF:43.7/21

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 127.148+/-165.291 χ^2/NDF:21.7/20

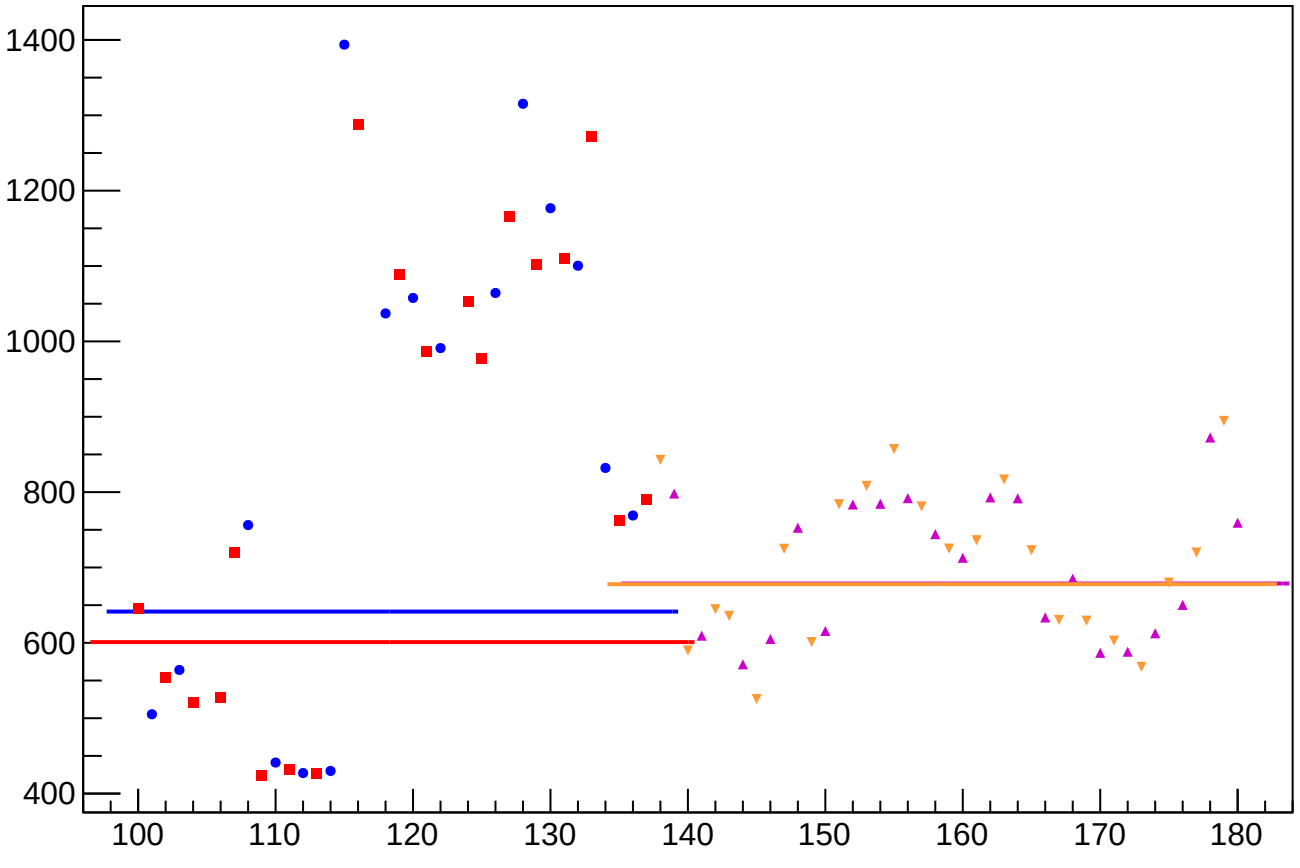
Left: -367.254+/-116.555 χ^2/NDF: 83.2/42

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 81.039+/-139.021 χ^2/NDF:43.8/36

Out: -403.085+/-135.372 χ^2/NDF:80.1/40

All: -167.459+/-96.987 χ^2/NDF: 130.2/77



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 678.757+/-0.117 χ^2/NDF:559600.3/20

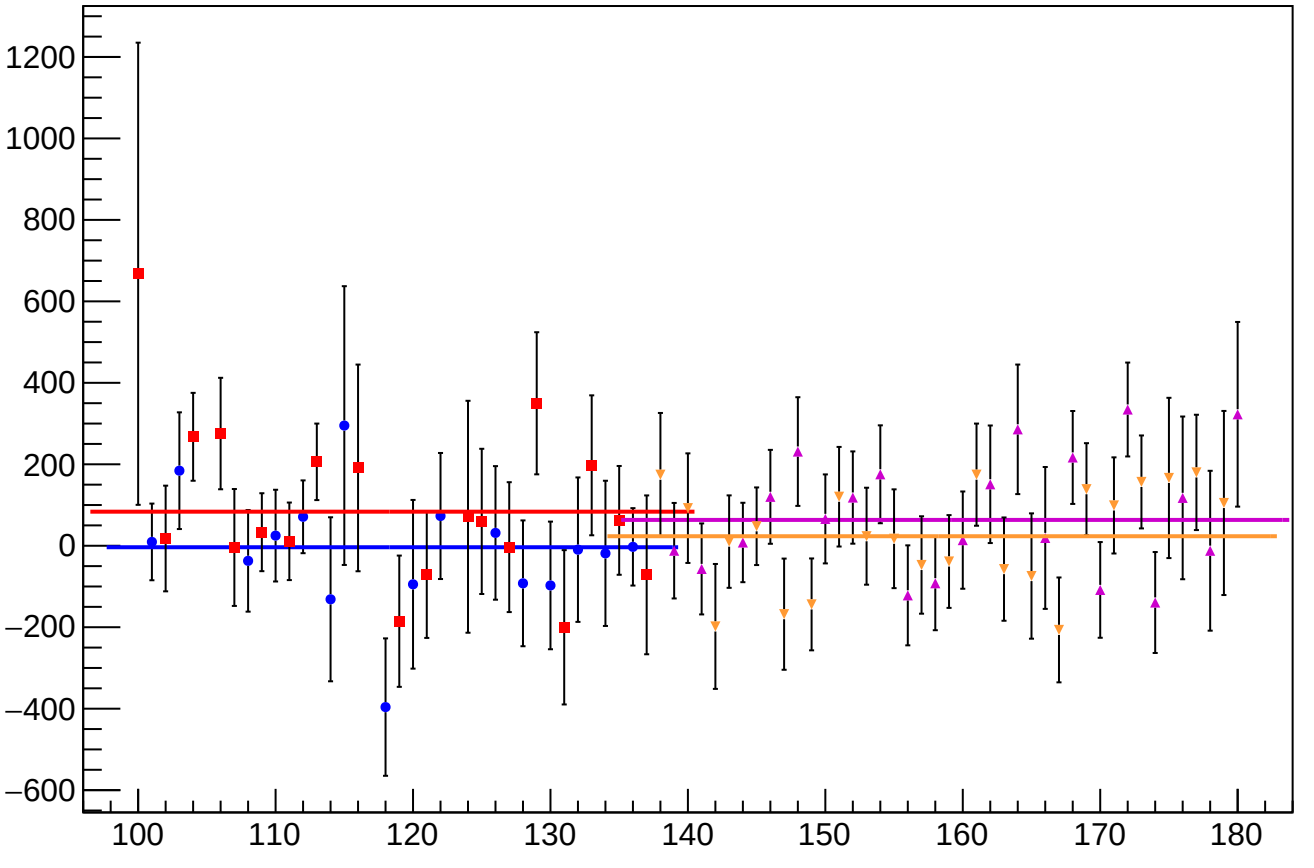
Left: 678.287+/-0.082 χ^2/NDF: 1281217.1/42

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.857+/-0.098 χ^2/NDF:2464270.7/36

Out: 653.094+/-0.096 χ^2/NDF:2939474.8/40

All: 660.279+/-0.069 χ^2/NDF: 5415323.0/77



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.375+/-27.070 χ^2/NDF:19.0/21

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 63.447+/-27.597 χ^2/NDF:25.2/20

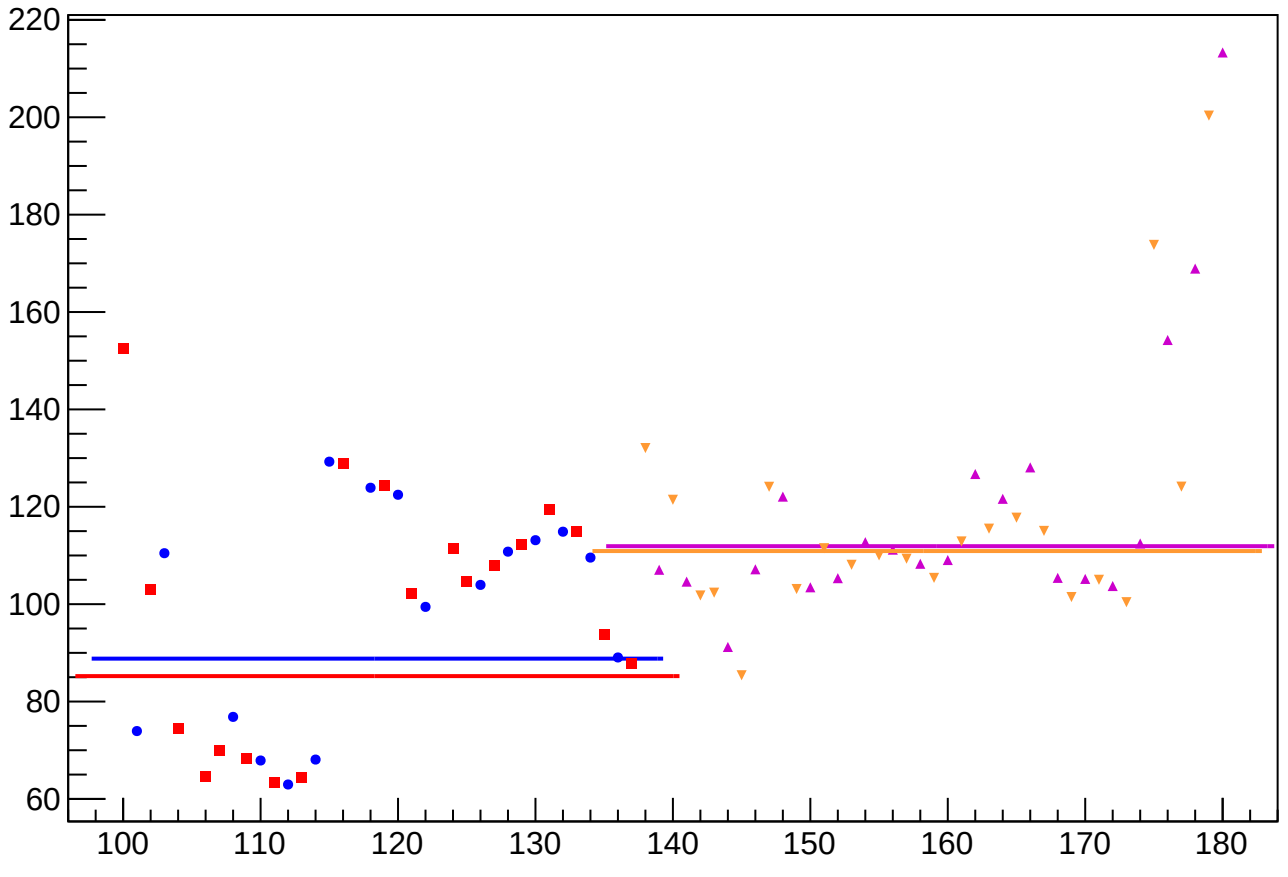
Left: 43.025+/-19.325 χ^2/NDF: 45.3/42

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 36.948+/-21.465 χ^2/NDF:37.8/36

Out: 47.956+/-20.835 χ^2/NDF:40.1/40

All: 42.616+/-14.950 χ^2/NDF: 78.1/77



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 110.907+/-0.019 χ^2/NDF:827725.5/21

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 111.909+/-0.020 χ^2/NDF:866897.3/20

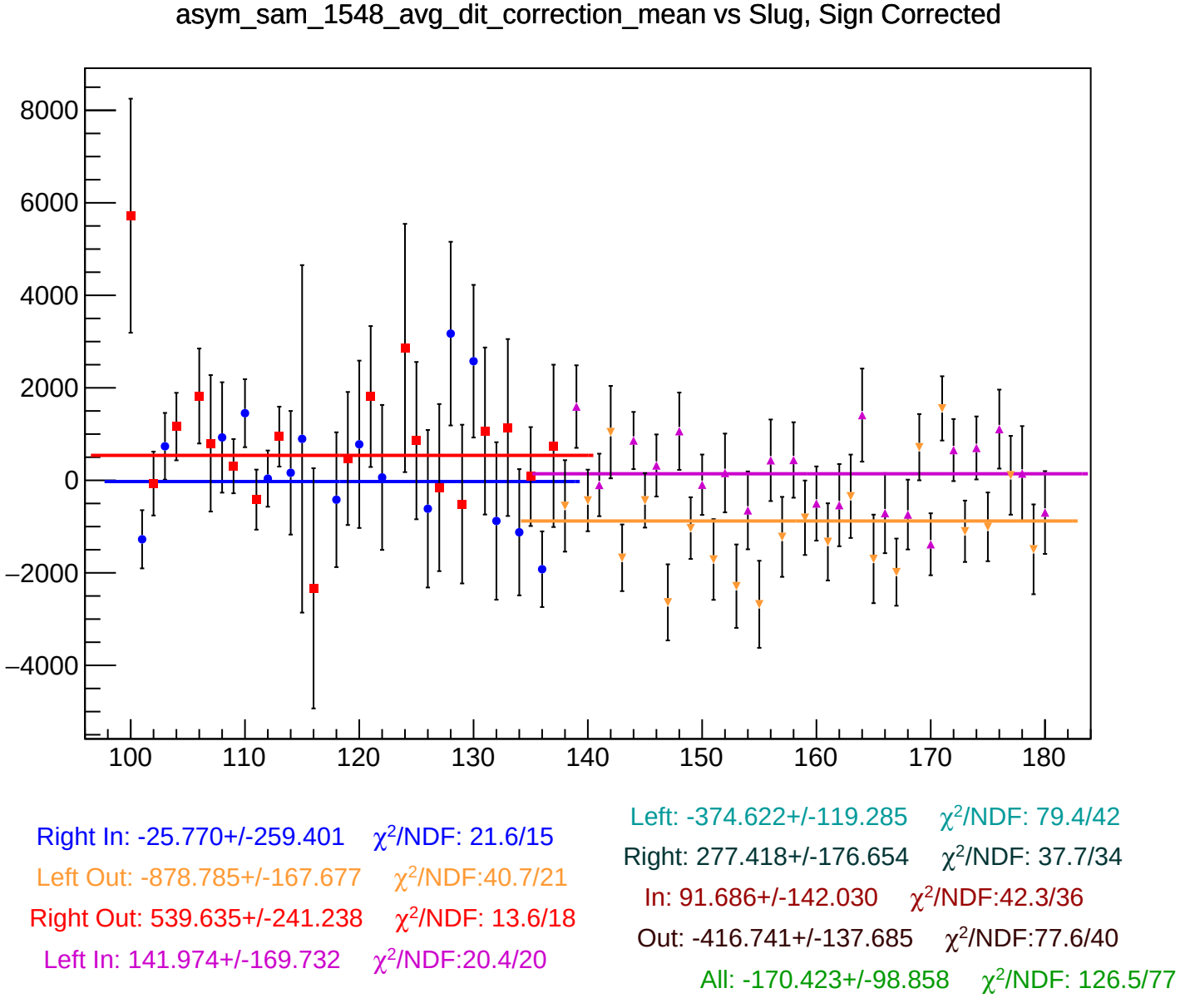
Left: 111.398+/-0.014 χ^2/NDF: 1695966.9/42

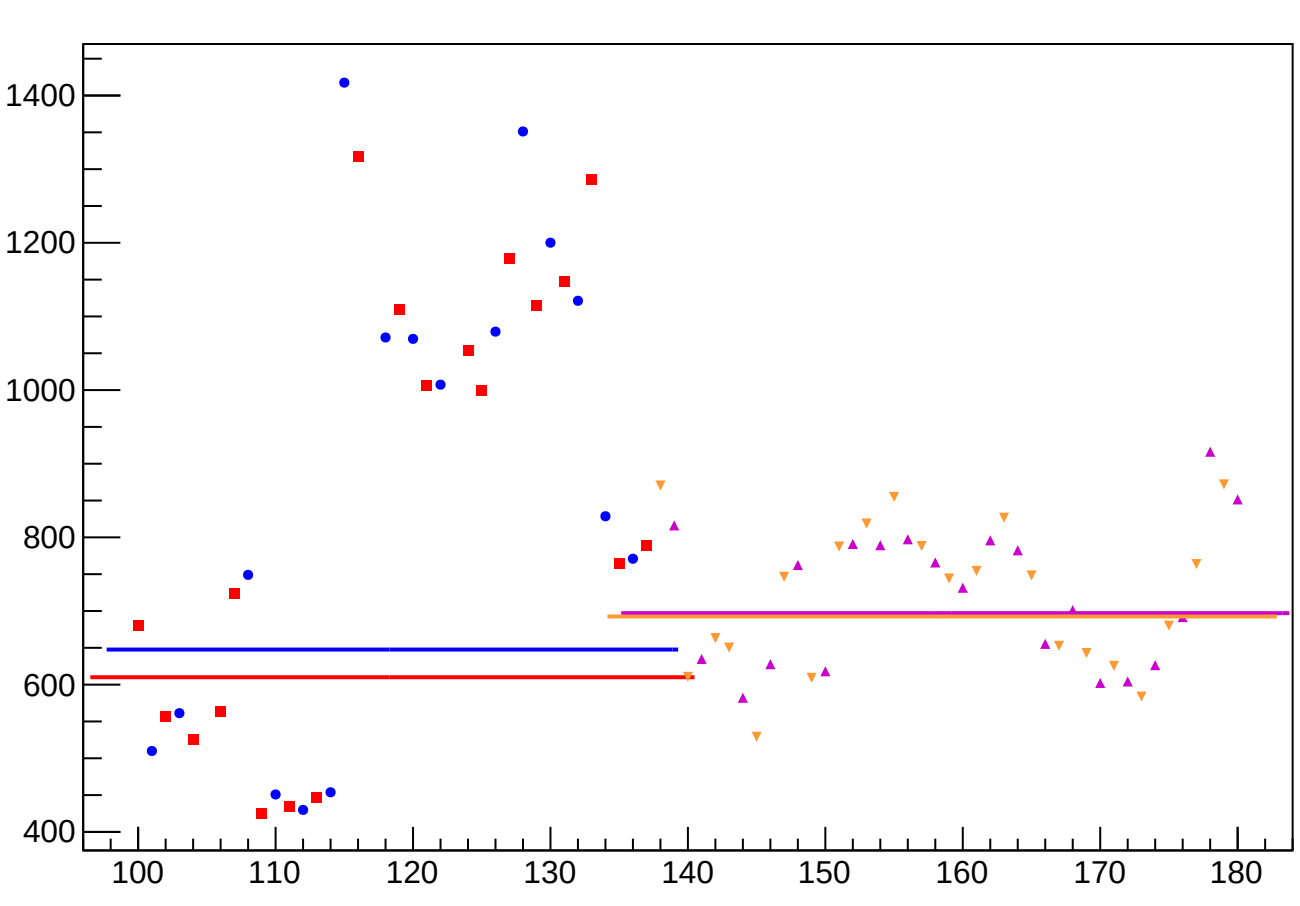
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 102.786+/-0.015 χ^2/NDF:2144851.2/36

Out: 100.438+/-0.015 χ^2/NDF:2445611.7/40

All: 101.577+/-0.011 χ^2/NDF: 4602782.9/77


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
180
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -878.785+/-167.677 χ²/NDF:40.7/21
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 141.974+/-169.732 χ²/NDF:20.4/20
Left: -374.622+/-119.285 χ²/NDF: 79.4/42
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 91.686+/-142.030 χ²/NDF:42.3/36
Out: -416.741+/-137.685 χ²/NDF:77.6/40
All: -170.423+/-98.858 χ²/NDF: 126.5/77



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 692.535+/-0.119 χ^2/NDF:685292.5/21

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 697.051+/-0.120 χ^2/NDF:571265.8/20

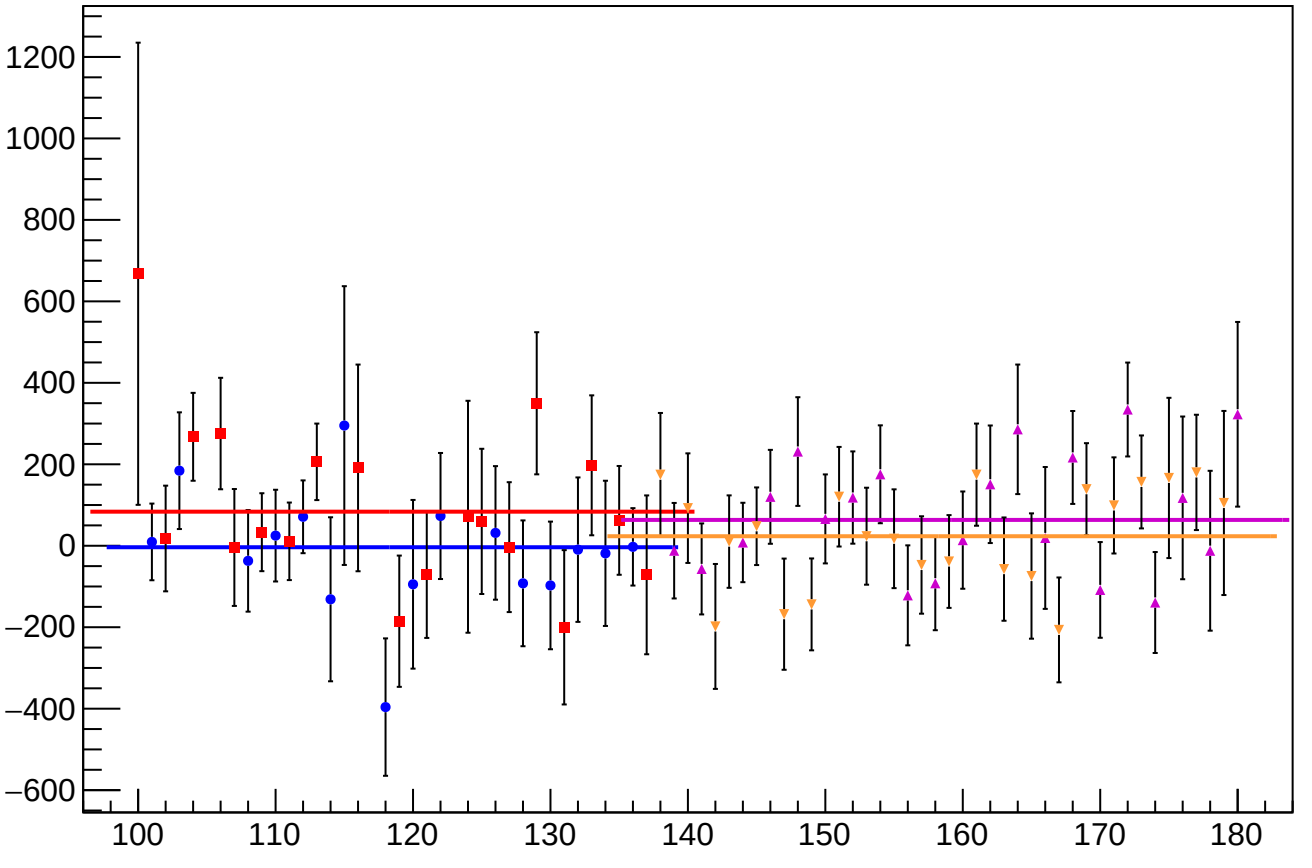
Left: 694.766+/-0.084 χ^2/NDF: 1257274.7/42

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.238+/-0.100 χ^2/NDF:2509892.1/36

Out: 665.670+/-0.097 χ^2/NDF:2917158.0/40

All: 673.697+/-0.070 χ^2/NDF: 5441081.8/77



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.377+/-27.070 χ^2/NDF:19.0/21

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 63.447+/-27.597 χ^2/NDF:25.2/20

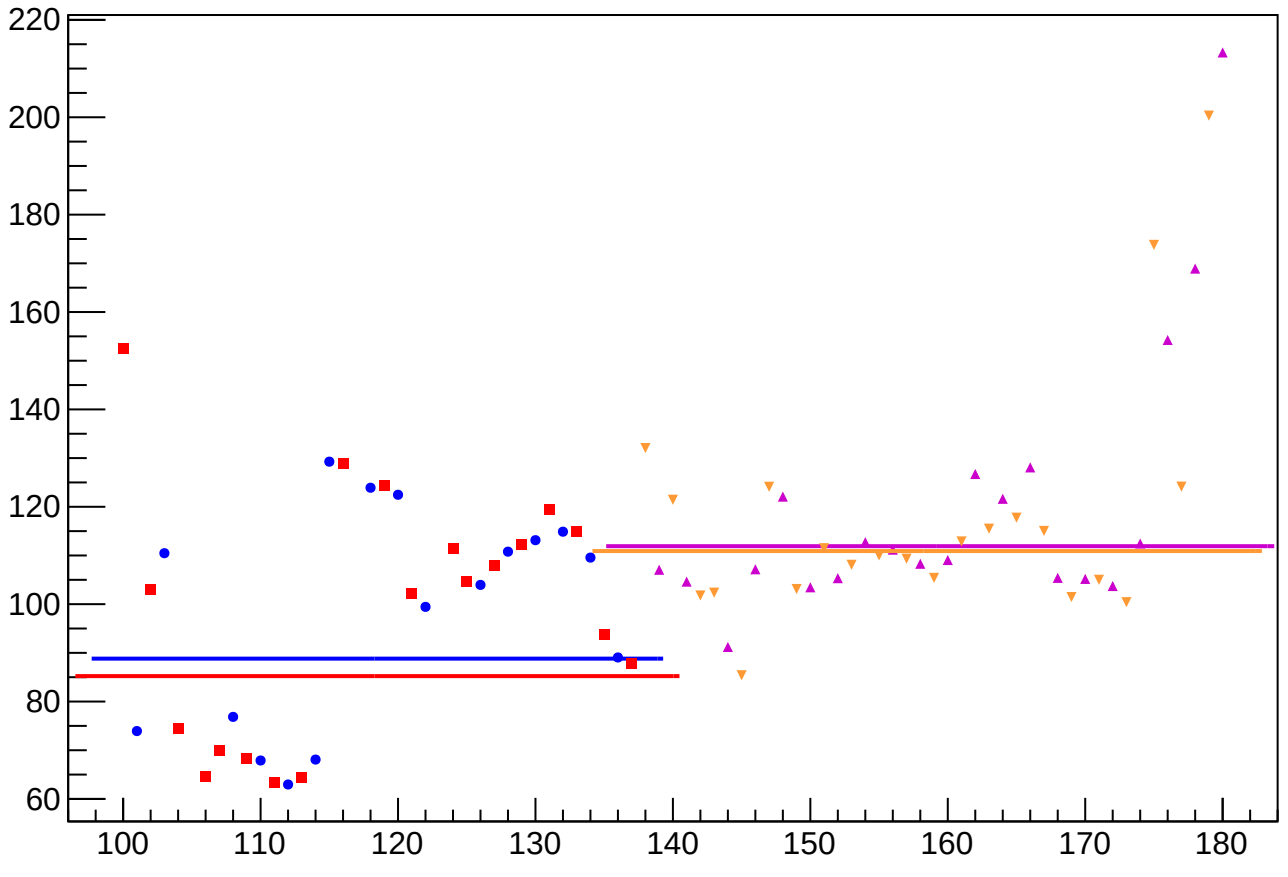
Left: 43.026+/-19.325 χ^2/NDF: 45.3/42

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 36.949+/-21.465 χ^2/NDF:37.8/36

Out: 47.957+/-20.835 χ^2/NDF:40.1/40

All: 42.617+/-14.950 χ^2/NDF: 78.1/77



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 110.907+/-0.019 χ^2/NDF:827721.0/21

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 111.909+/-0.020 χ^2/NDF:866876.7/20

Left: 111.399+/-0.014 χ^2/NDF: 1695941.9/42

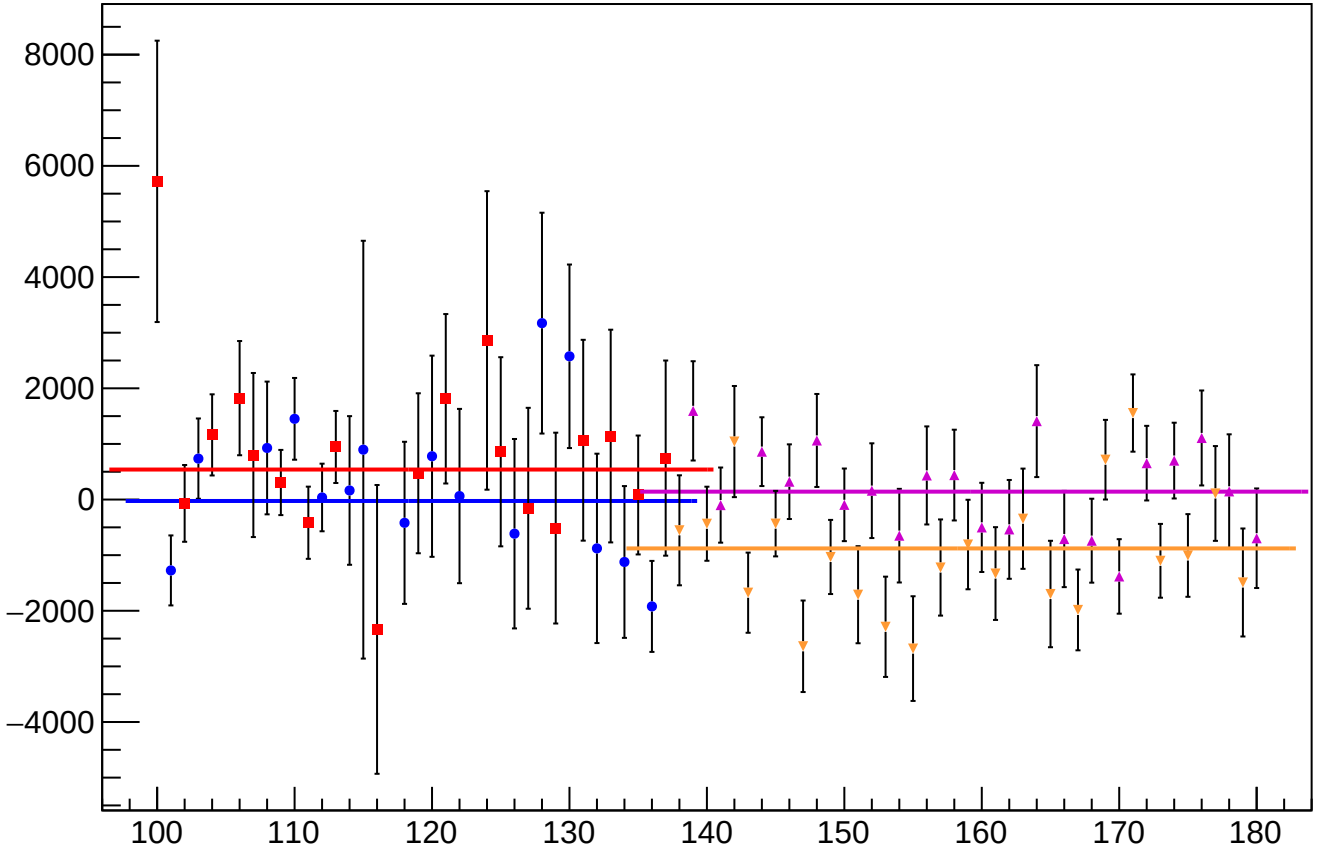
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 102.786+/-0.015 χ^2/NDF:2144838.6/36

Out: 100.438+/-0.015 χ^2/NDF:2445617.6/40

All: 101.577+/-0.011 χ^2/NDF: 4602776.6/77

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: -878.783+/-167.677 χ^2/NDF:40.7/21

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 141.972+/-169.732 χ^2/NDF:20.4/20

Left: -374.622+/-119.285 χ^2/NDF: 79.4/42

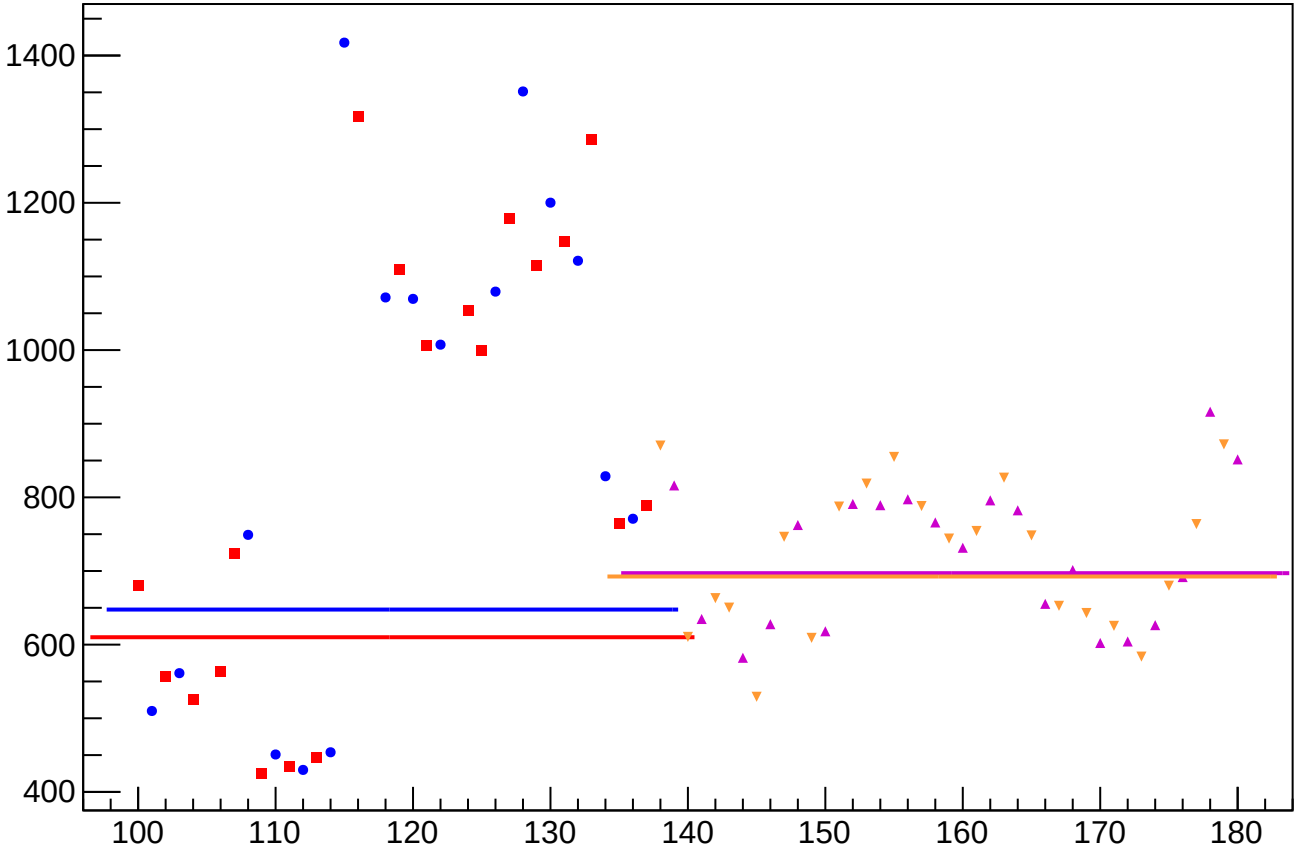
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 91.685+/-142.029 χ^2/NDF:42.3/36

Out: -416.740+/-137.685 χ^2/NDF:77.6/40

All: -170.423+/-98.858 χ^2/NDF: 126.5/77

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: 692.535+/-0.119 χ^2/NDF:685291.1/21

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 697.050+/-0.120 χ^2/NDF:571260.7/20

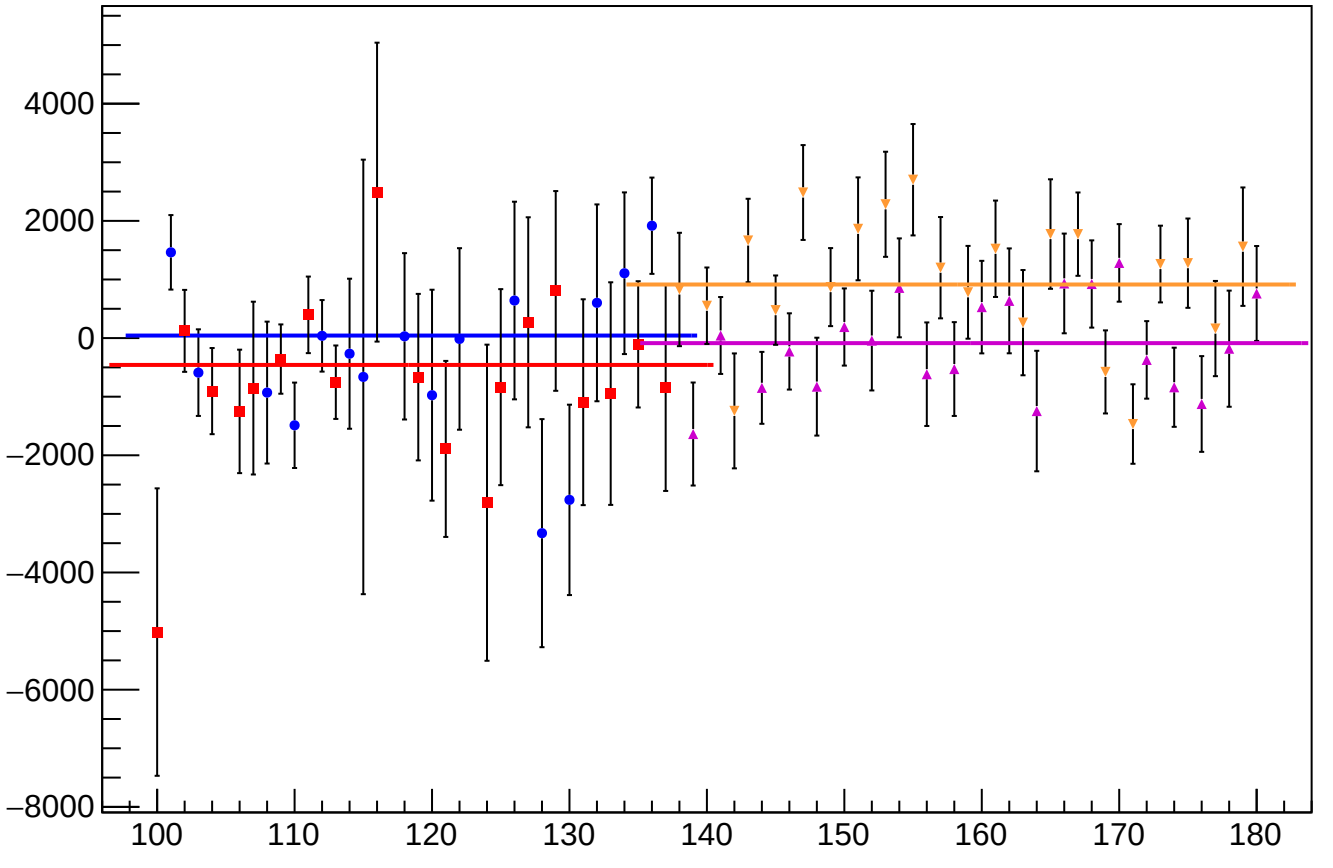
Left: 694.765+/-0.084 χ^2/NDF: 1257268.3/42

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.238+/-0.100 χ^2/NDF:2509892.2/36

Out: 665.669+/-0.097 χ^2/NDF:2917159.8/40

All: 673.696+/-0.070 χ^2/NDF: 5441083.7/77



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 914.320+/-166.202 χ^2/NDF:39.7/21

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -86.223+/-167.156 χ^2/NDF:21.9/20

Left: 416.911+/-117.858 χ^2/NDF: 79.5/42

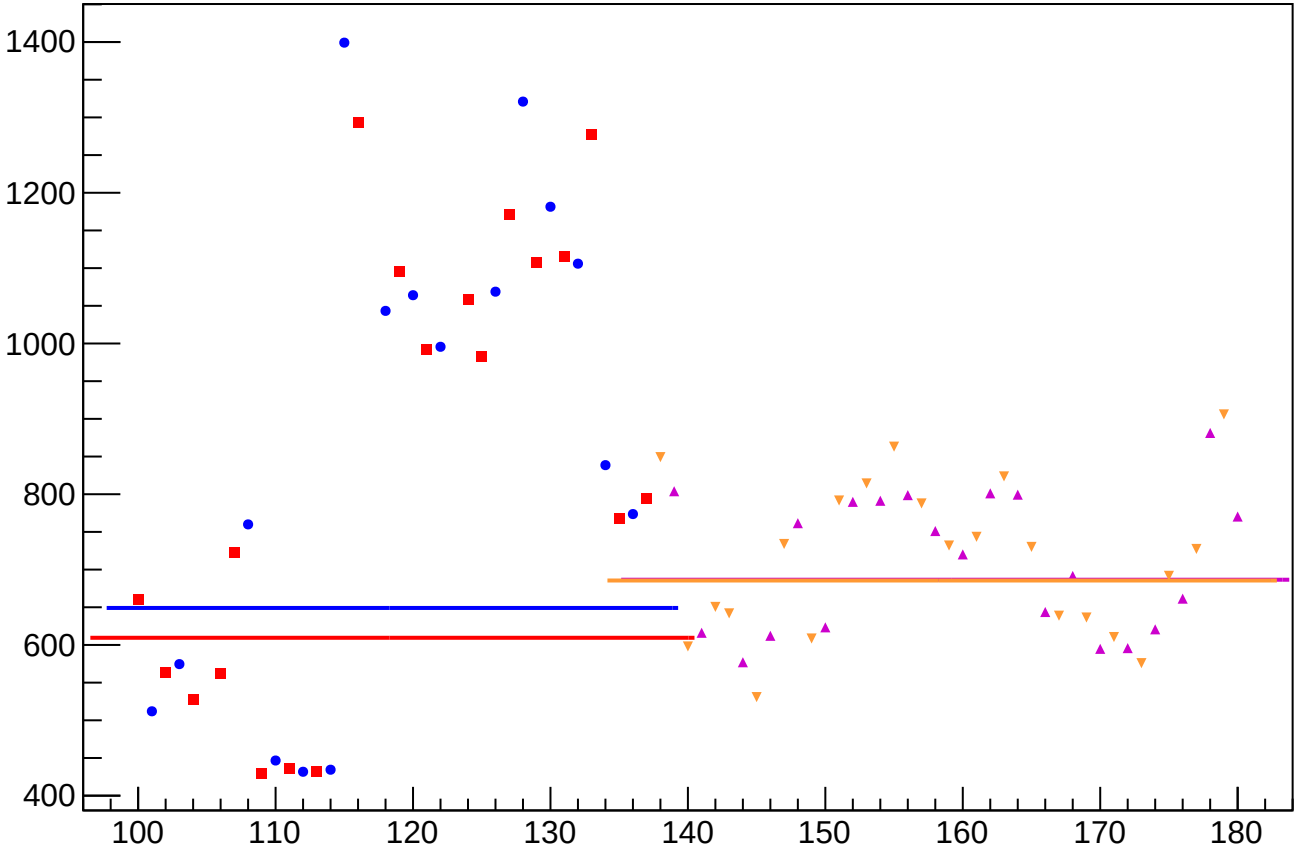
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -48.345+/-140.572 χ^2/NDF:45.3/36

Out: 472.266+/-136.842 χ^2/NDF:72.9/40

All: 218.959+/-98.054 χ^2/NDF: 125.2/77

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 685.517+/-0.118 χ^2/NDF:710327.4/21

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 686.548+/-0.118 χ^2/NDF:550030.2/20

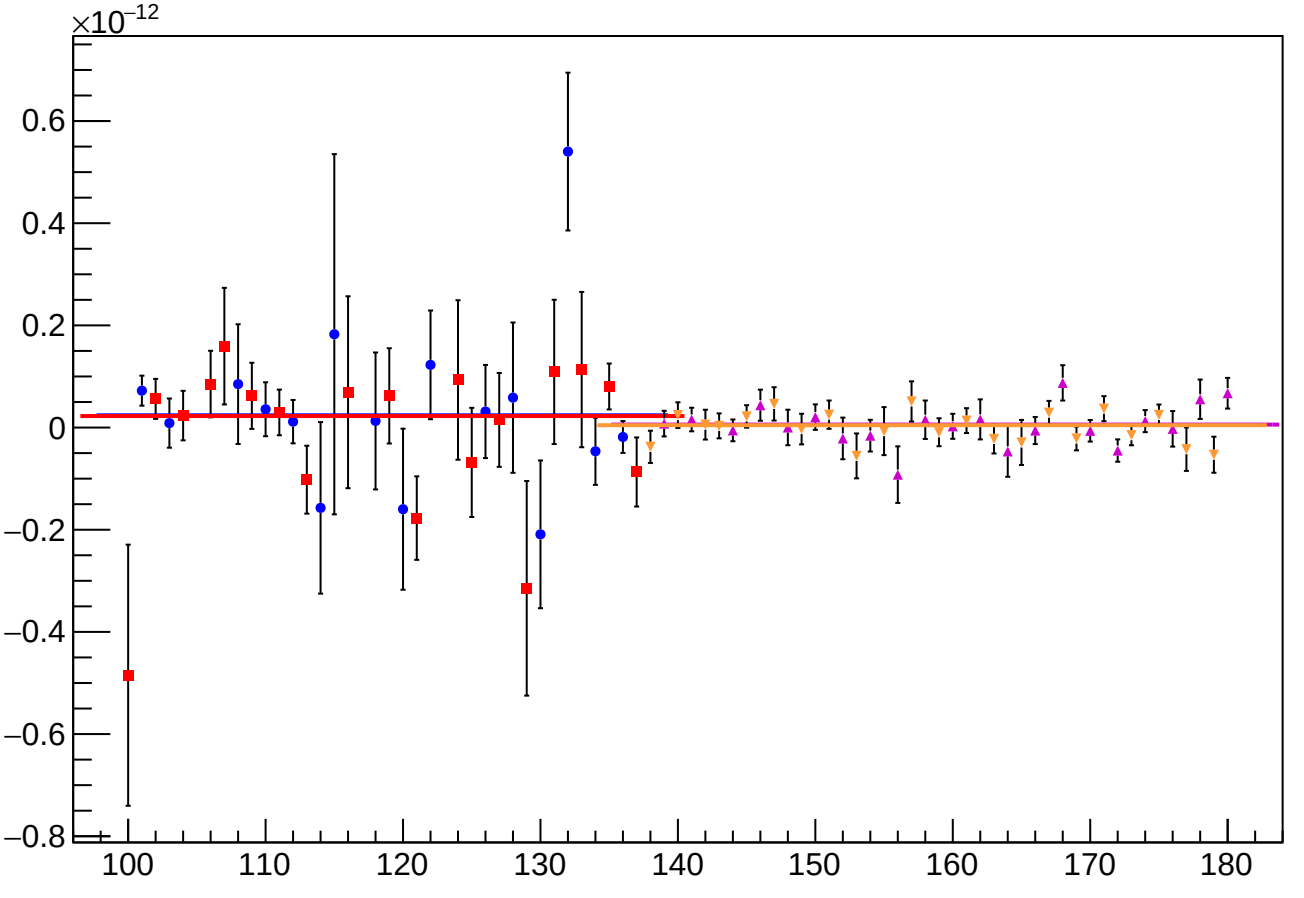
Left: 686.030+/-0.083 χ^2/NDF: 1260395.9/42

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 675.582+/-0.099 χ^2/NDF:2425249.8/36

Out: 661.038+/-0.097 χ^2/NDF:2888621.7/40

All: 668.114+/-0.069 χ^2/NDF: 5324863.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:25.2/20

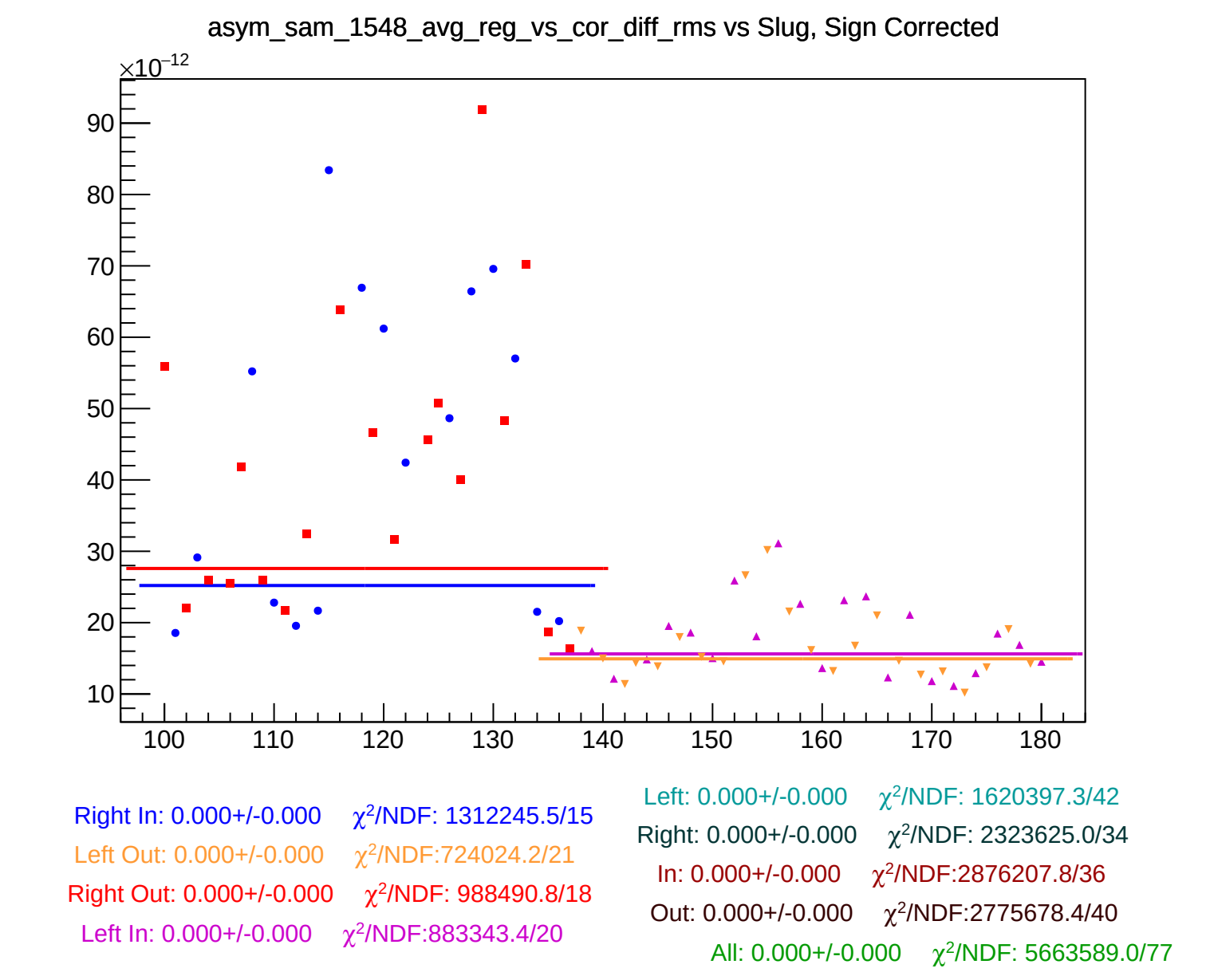
Left: 0.000+/-0.000 χ^2/NDF: 45.7/42

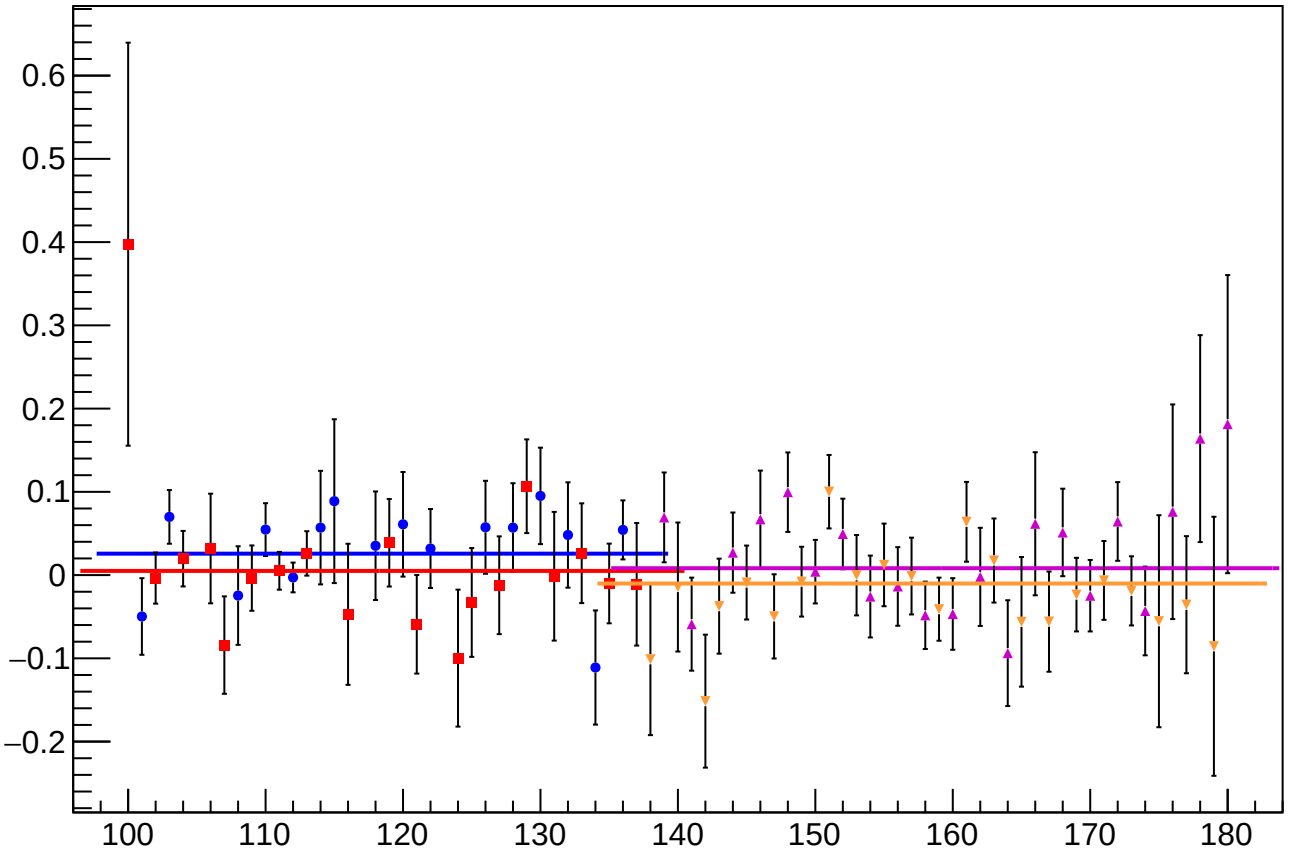
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:50.1/36

Out: 0.000+/-0.000 χ^2/NDF:47.2/40

All: 0.000+/-0.000 χ^2/NDF: 97.3/77


asym_sam_1548_avg_reg_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
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:724024.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:883343.4/20
Left: 0.000+/-0.000 χ²/NDF: 1620397.3/42
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2876207.8/36
Out: 0.000+/-0.000 χ²/NDF:2775678.4/40
All: 0.000+/-0.000 χ²/NDF: 5663589.0/77



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:22.2/20

Left: -0.001+/-0.008 χ^2/NDF: 39.8/42

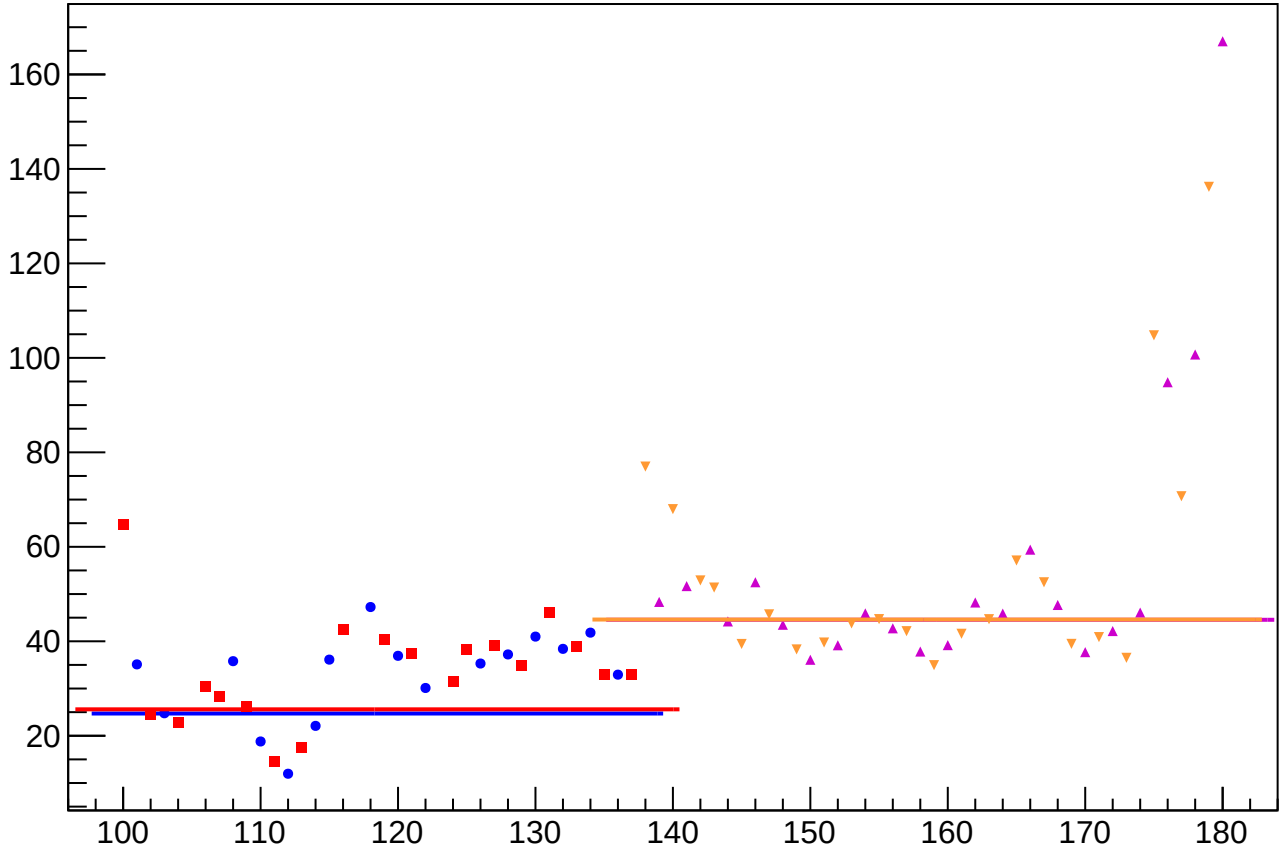
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.9/36

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 74.2/77

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: 44.604+/-0.008 χ^2/NDF:2268201.4/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

Left: 44.578+/-0.006 χ^2/NDF: 4351579.1/42

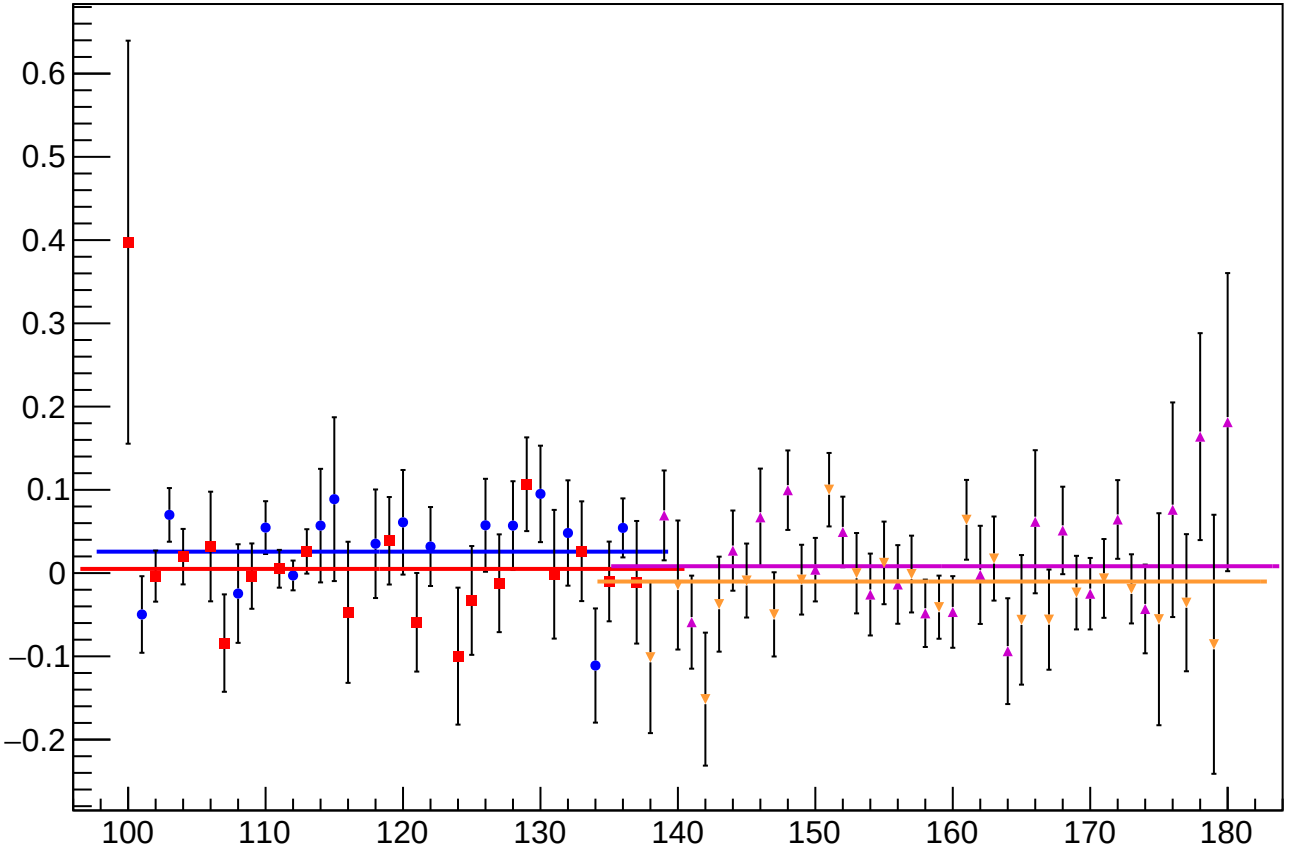
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.631+/-0.005 χ^2/NDF:7677710.4/36

Out: 34.241+/-0.005 χ^2/NDF:6941730.1/40

All: 33.937+/-0.004 χ^2/NDF: 14625775.2/77

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:22.2/20

Left: -0.001+/-0.008 χ^2/NDF: 39.8/42

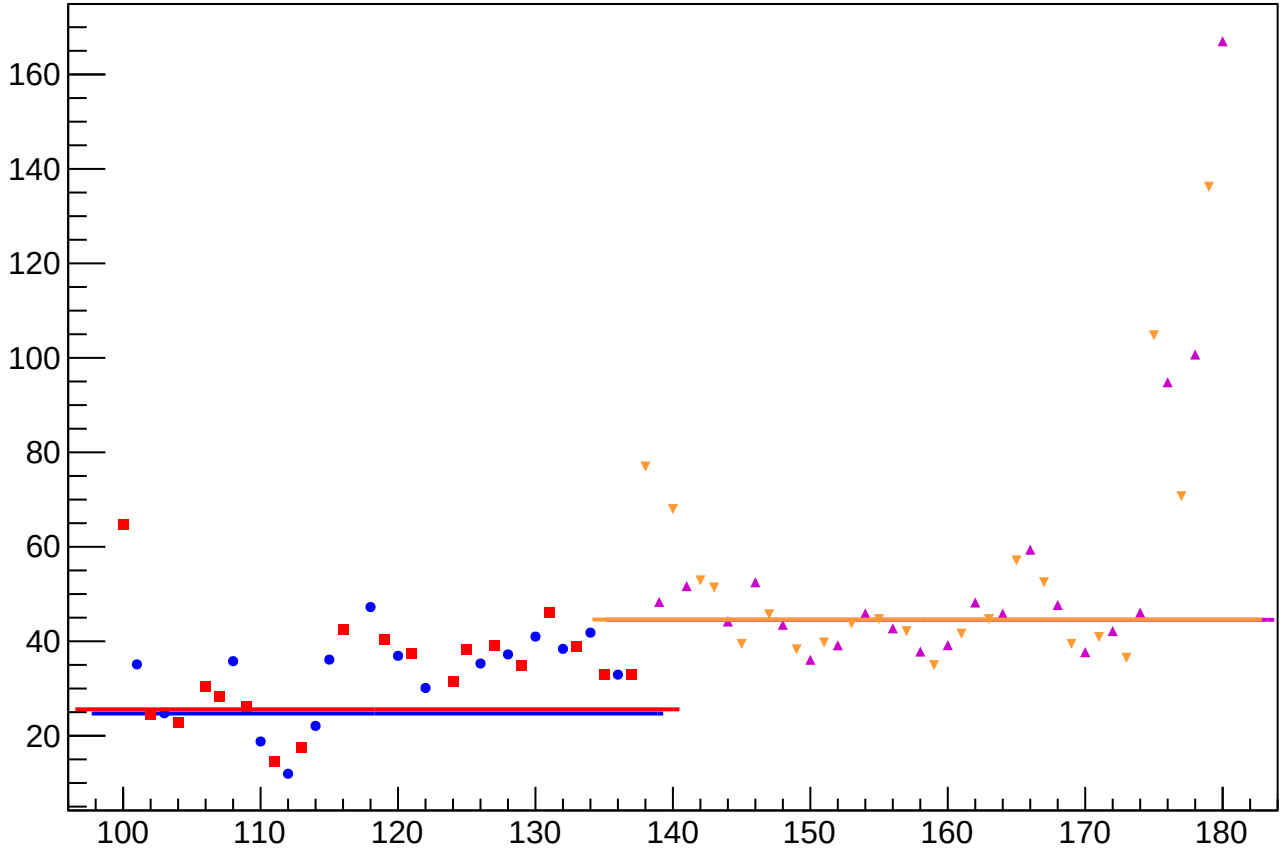
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.9/36

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 74.2/77

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268201.4/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.552+/-0.008 χ^2/NDF:2083357.0/20

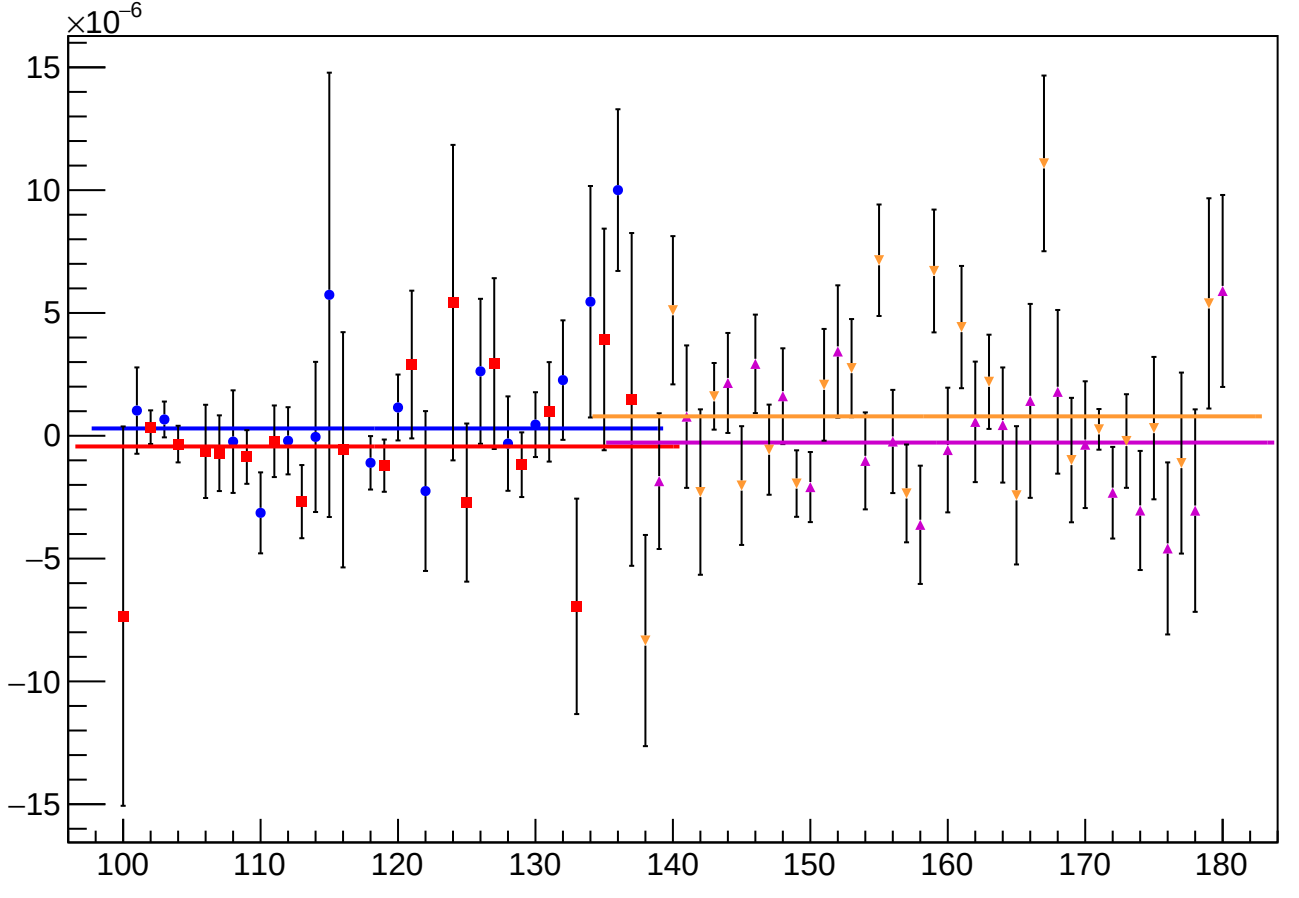
Left: 44.578+/-0.006 χ^2/NDF: 4351579.1/42

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.631+/-0.005 χ^2/NDF:7677710.4/36

Out: 34.241+/-0.005 χ^2/NDF:6941730.1/40

All: 33.937+/-0.004 χ^2/NDF: 14625775.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/20

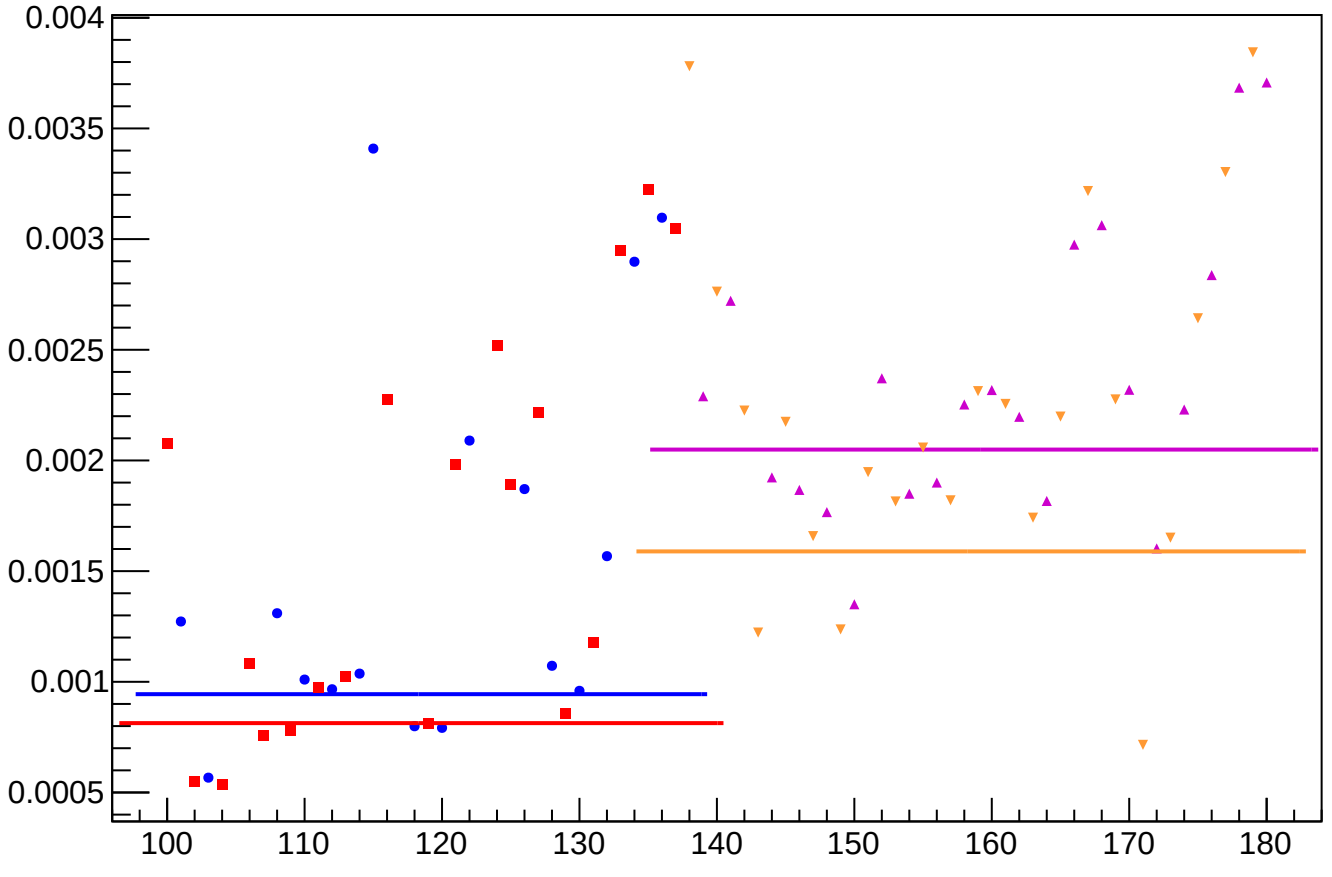
Left: 0.000+/-0.000 χ^2/NDF: 67.1/42

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:38.8/36

Out: 0.000+/-0.000 χ^2/NDF:63.7/40

All: 0.000+/-0.000 χ^2/NDF: 102.5/77



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:5943953.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2010213.3/20

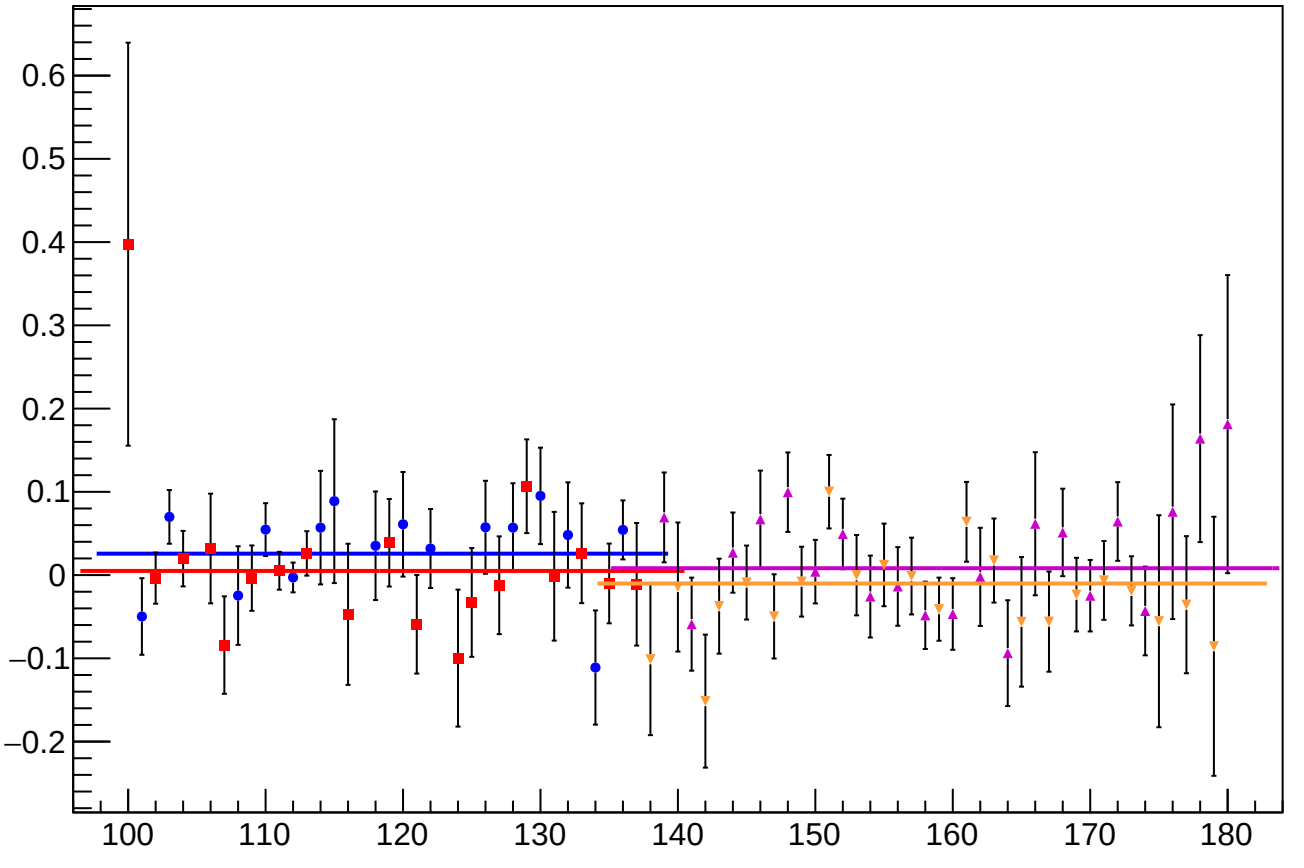
Left: 0.002+/-0.000 χ^2/NDF: 8908362.1/42

Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:10395852.0/36

Out: 0.001+/-0.000 χ^2/NDF:13284457.6/40

All: 0.001+/-0.000 χ^2/NDF: 24355749.4/77



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:22.2/20

Left: -0.001+/-0.008 χ^2/NDF: 39.8/42

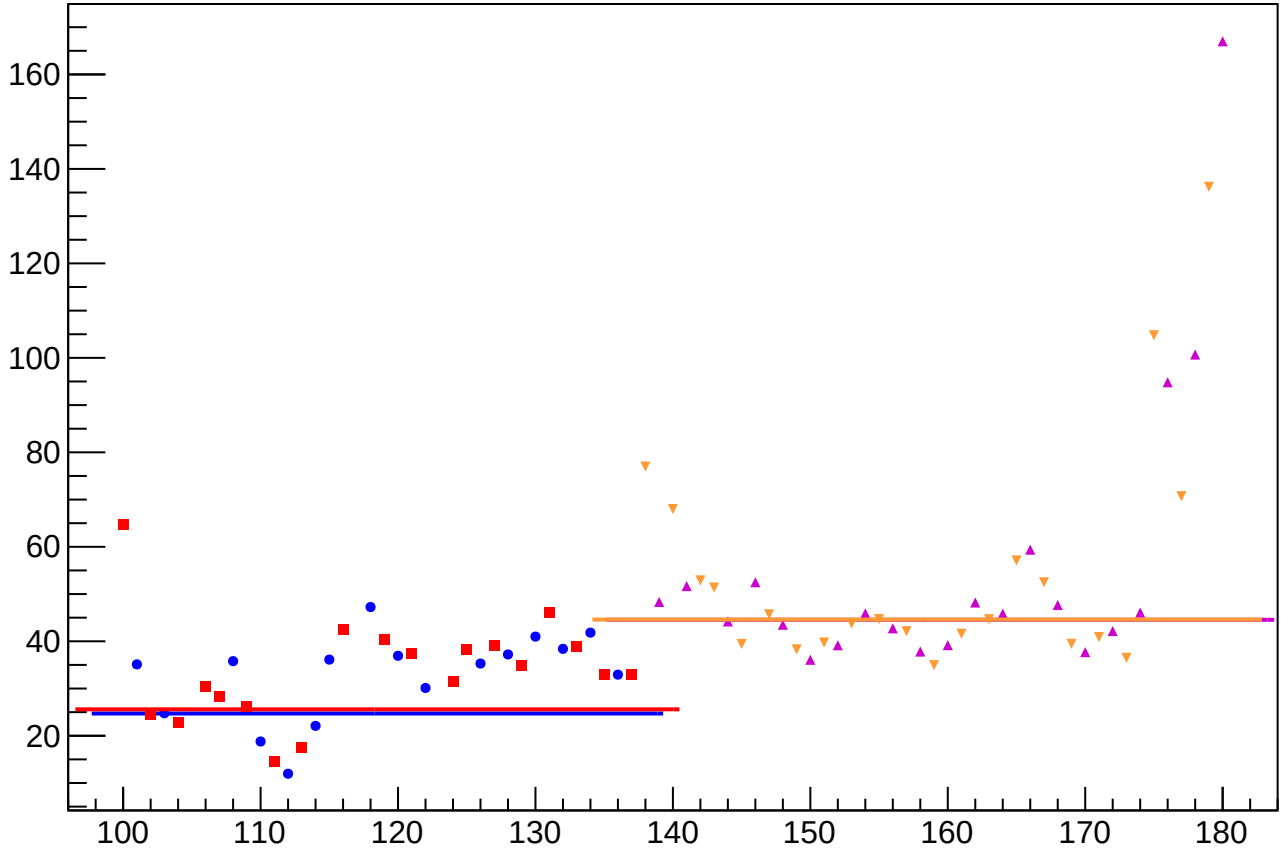
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.9/36

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 74.2/77

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

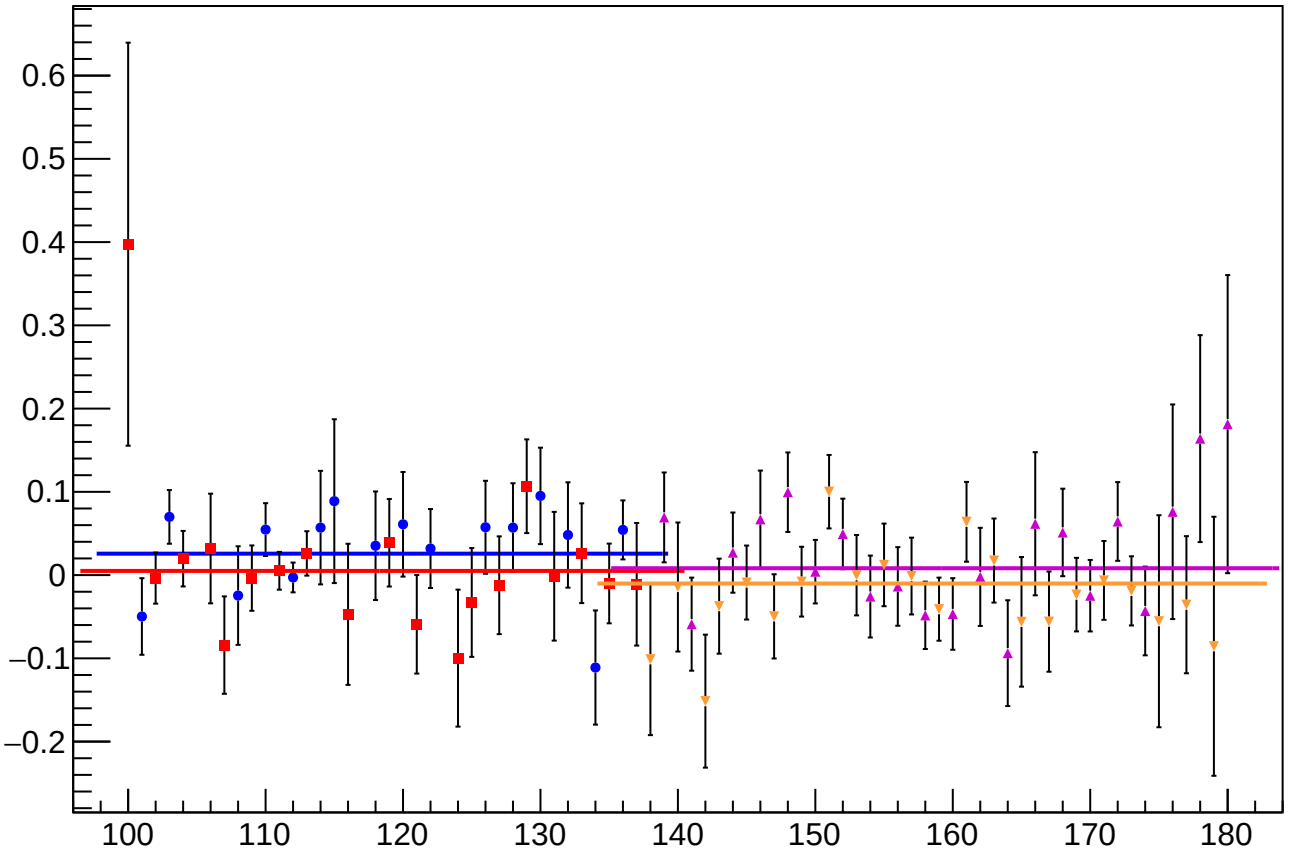
Left: 44.579+/-0.006 χ^2/NDF: 4351446.8/42

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.630+/-0.005 χ^2/NDF:7678152.0/36

Out: 34.240+/-0.005 χ^2/NDF:6942083.8/40

All: 33.937+/-0.004 χ^2/NDF: 14626573.1/77



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:22.2/20

Left: -0.001+/-0.008 χ^2/NDF: 39.8/42

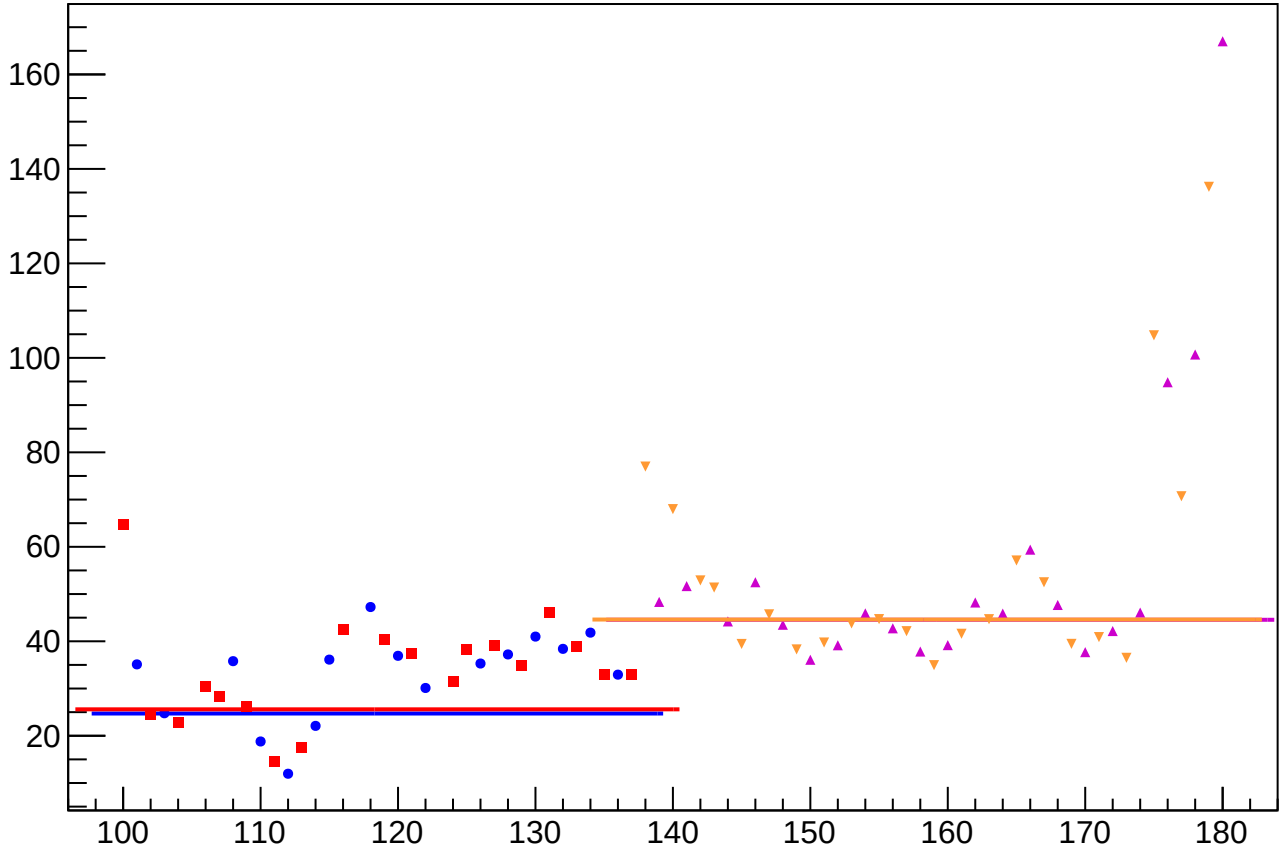
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.9/36

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 74.2/77

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.553+/-0.008 χ^2/NDF:2083280.1/20

Left: 44.579+/-0.006 χ^2/NDF: 4351446.8/42

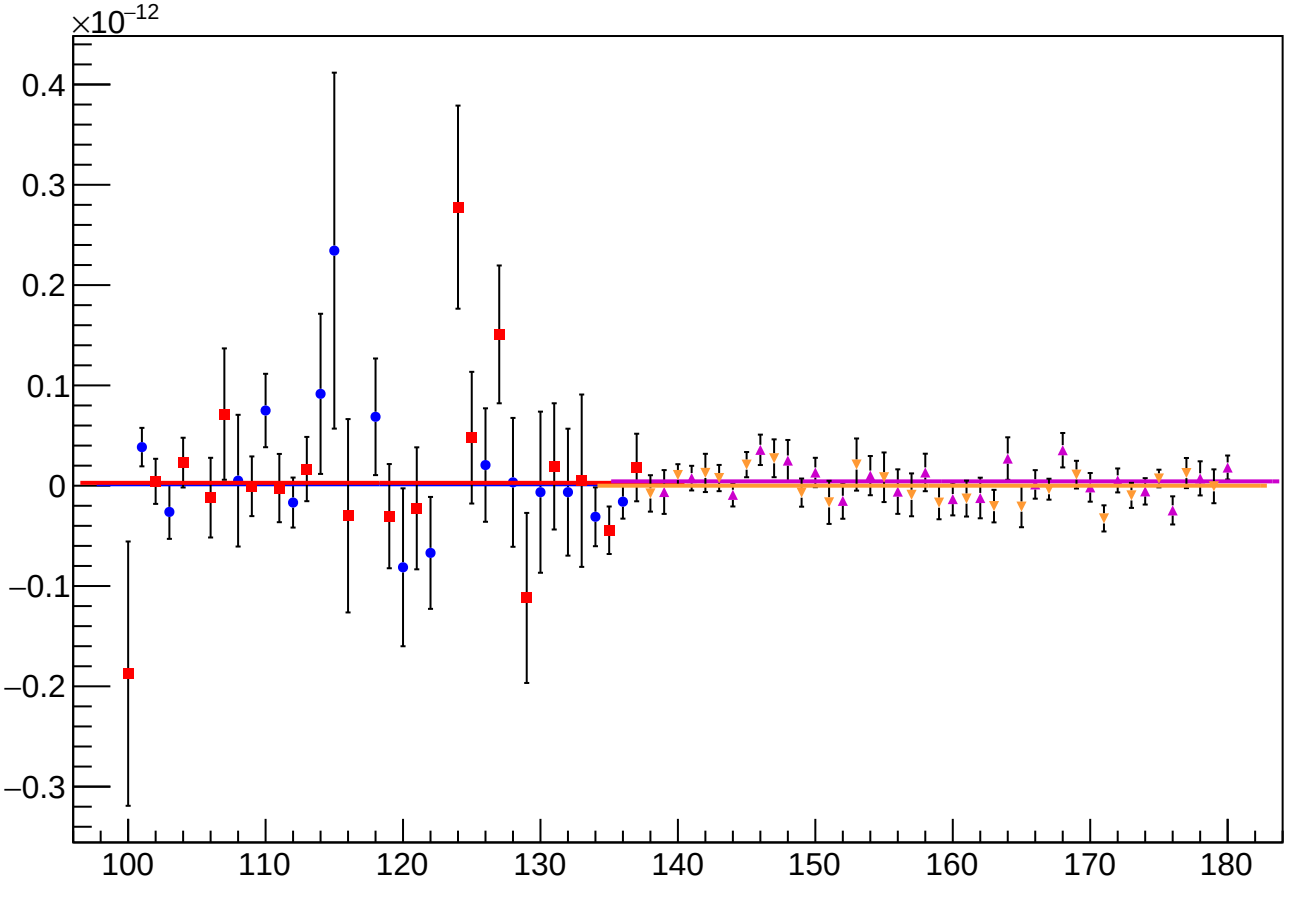
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.630+/-0.005 χ^2/NDF:7678152.0/36

Out: 34.240+/-0.005 χ^2/NDF:6942083.8/40

All: 33.937+/-0.004 χ^2/NDF: 14626573.1/77

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.7/20

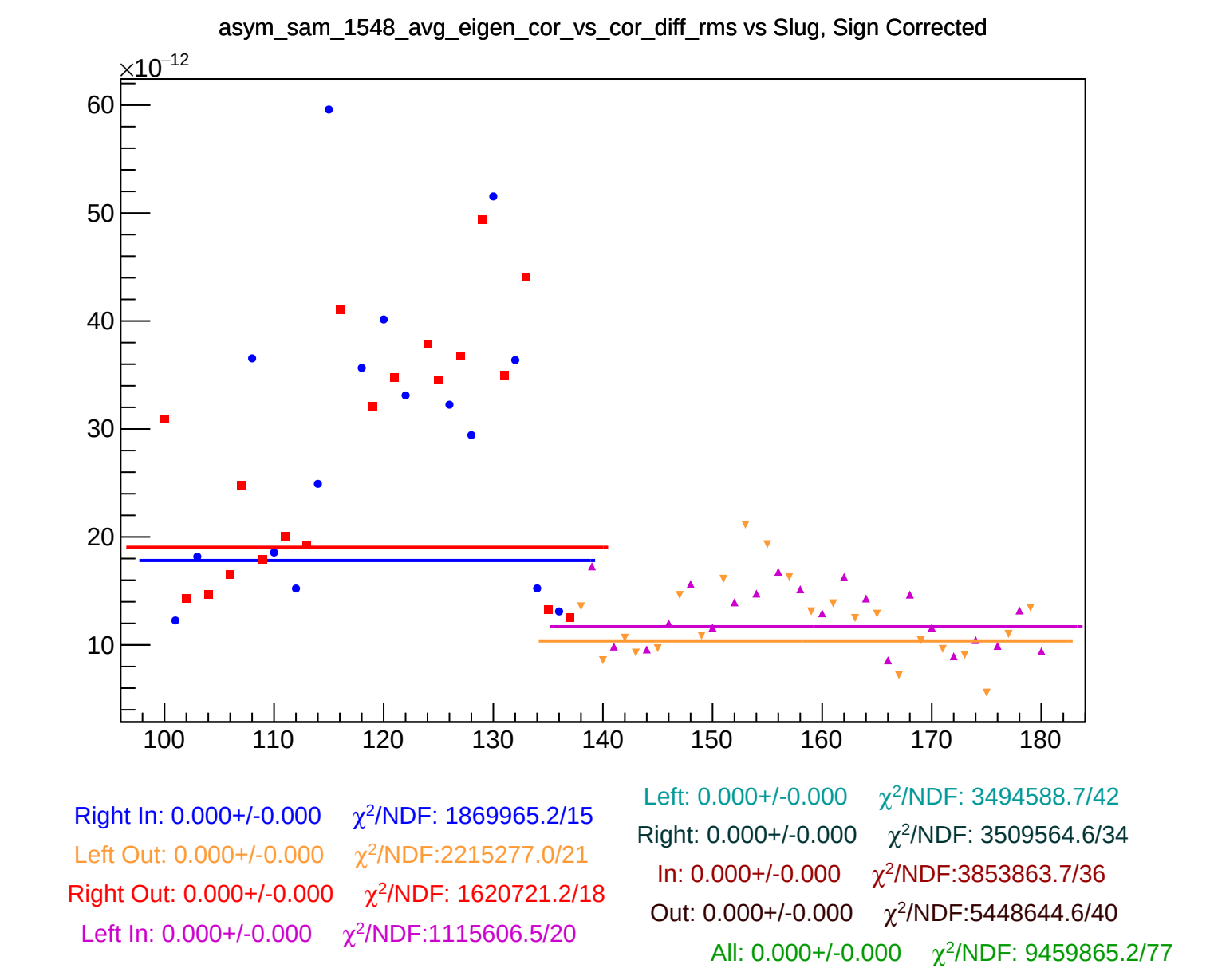
Left: 0.000+/-0.000 χ^2/NDF: 44.4/42

Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:40.5/36

Out: 0.000+/-0.000 χ^2/NDF:45.3/40

All: 0.000+/-0.000 χ^2/NDF: 86.6/77


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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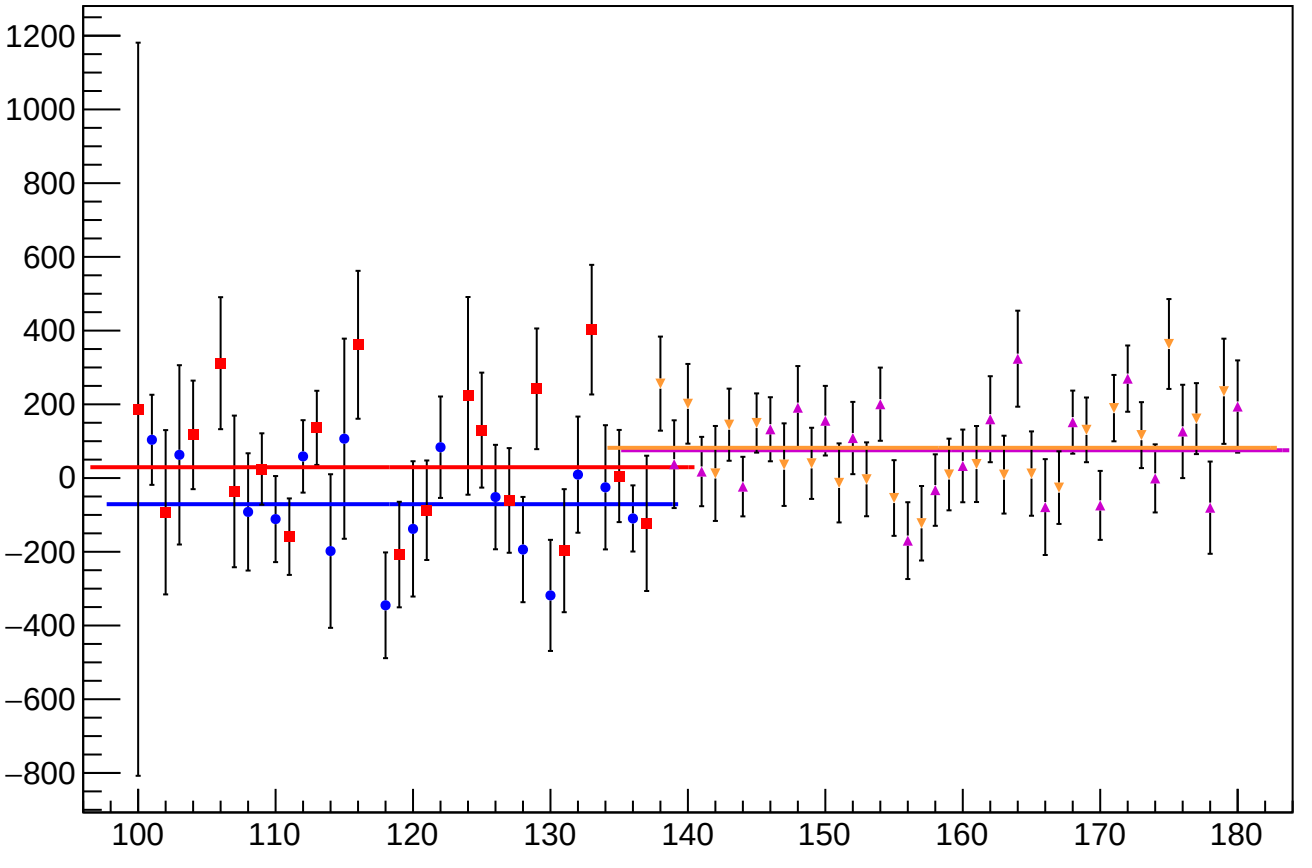
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2215277.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1115606.5/20
Left: 0.000+/-0.000 χ²/NDF: 3494588.7/42
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3853863.7/36
Out: 0.000+/-0.000 χ²/NDF:5448644.6/40
All: 0.000+/-0.000 χ²/NDF: 9459865.2/77



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.022+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 75.407+/-22.139 χ^2/NDF:29.7/20

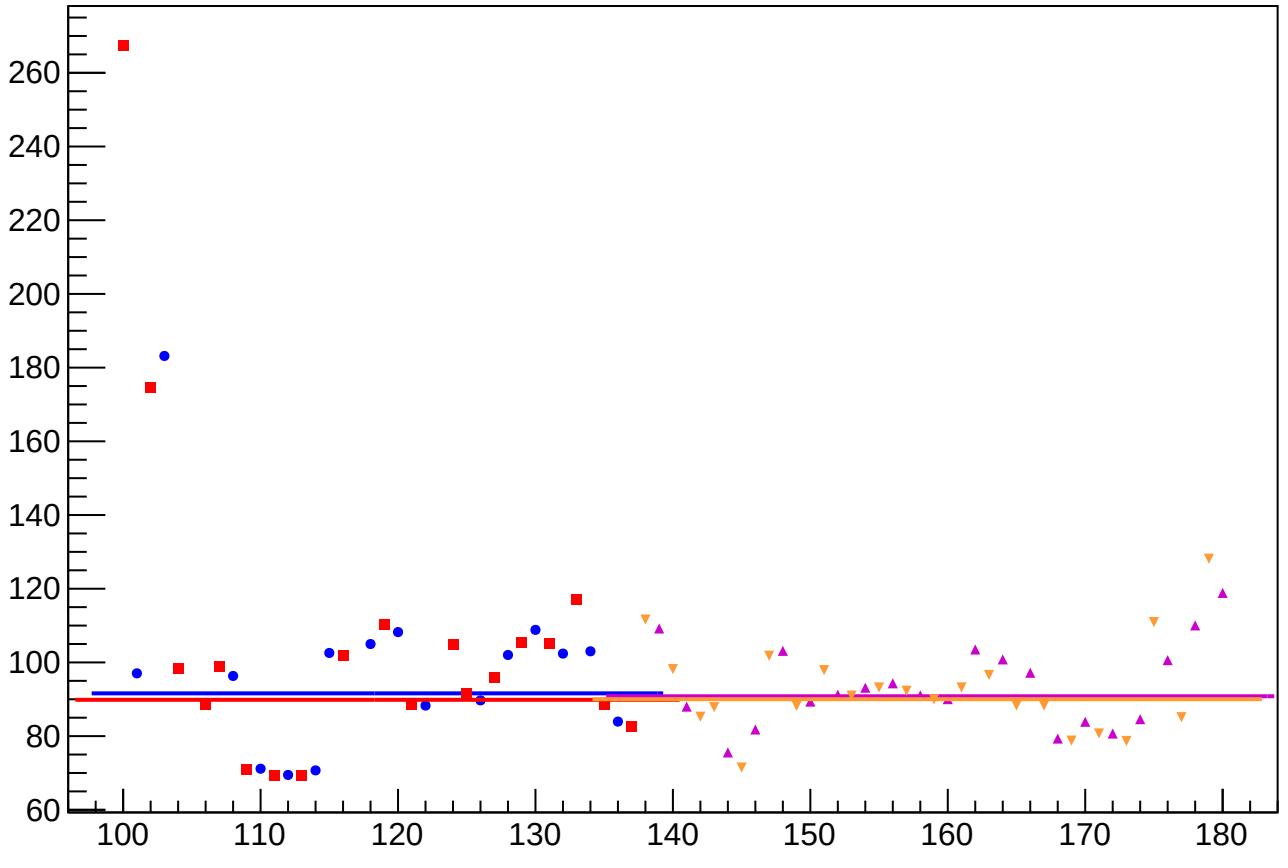
Left: 78.766+/-15.533 χ^2/NDF: 53.8/42

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 33.808+/-18.728 χ^2/NDF:56.2/36

Out: 66.850+/-18.389 χ^2/NDF:49.8/40

All: 50.632+/-13.121 χ^2/NDF: 107.5/77



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

Left: 90.415+/-0.011 χ^2/NDF: 972459.7/42

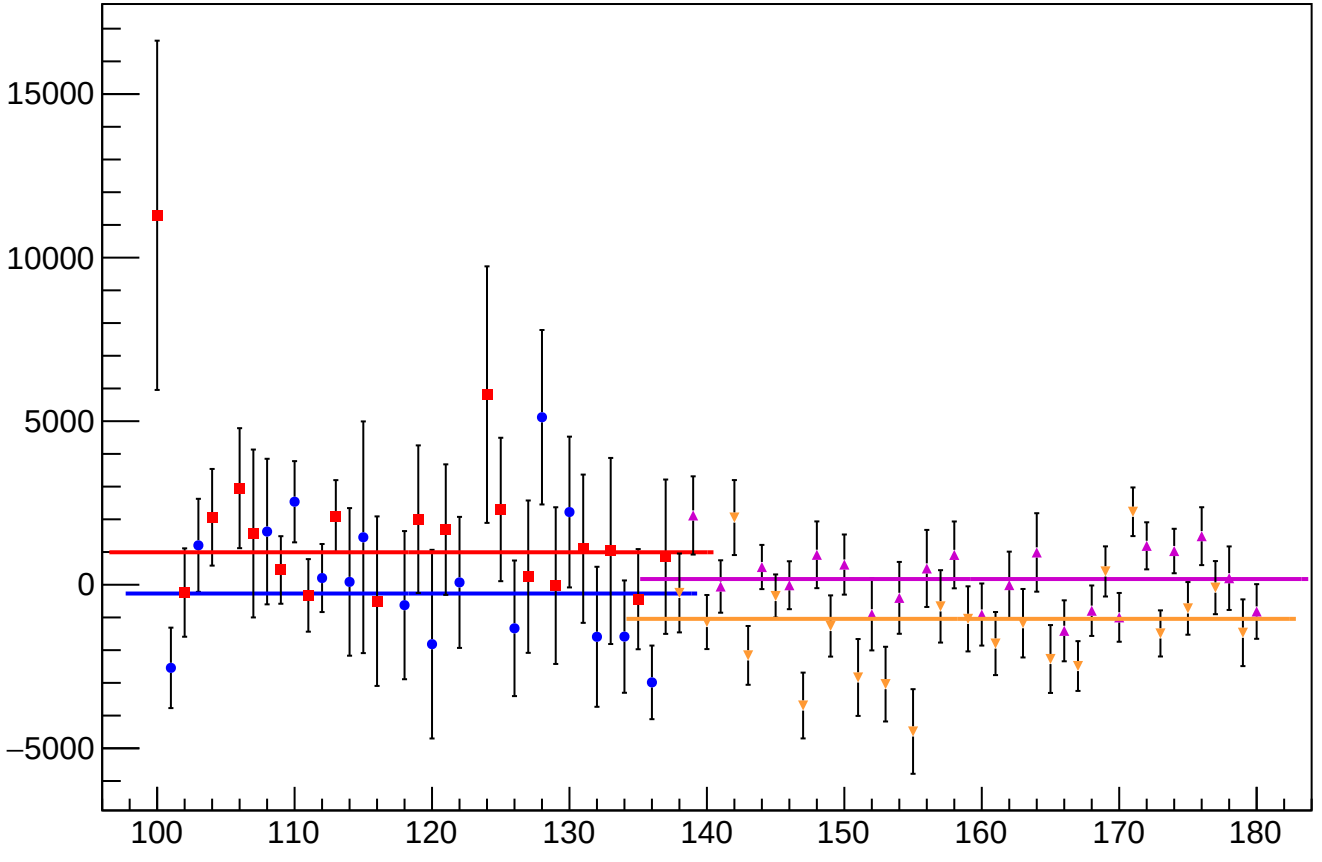
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.043+/-0.013 χ^2/NDF:1032907.8/36

Out: 89.974+/-0.013 χ^2/NDF:1265957.6/40

All: 90.499+/-0.009 χ^2/NDF: 2302183.4/77

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: -1042.864+/-193.605 χ^2/NDF:60.7/21

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 174.367+/-192.314 χ^2/NDF:21.6/20

Left: -430.177+/-136.440 χ^2/NDF: 102.1/42

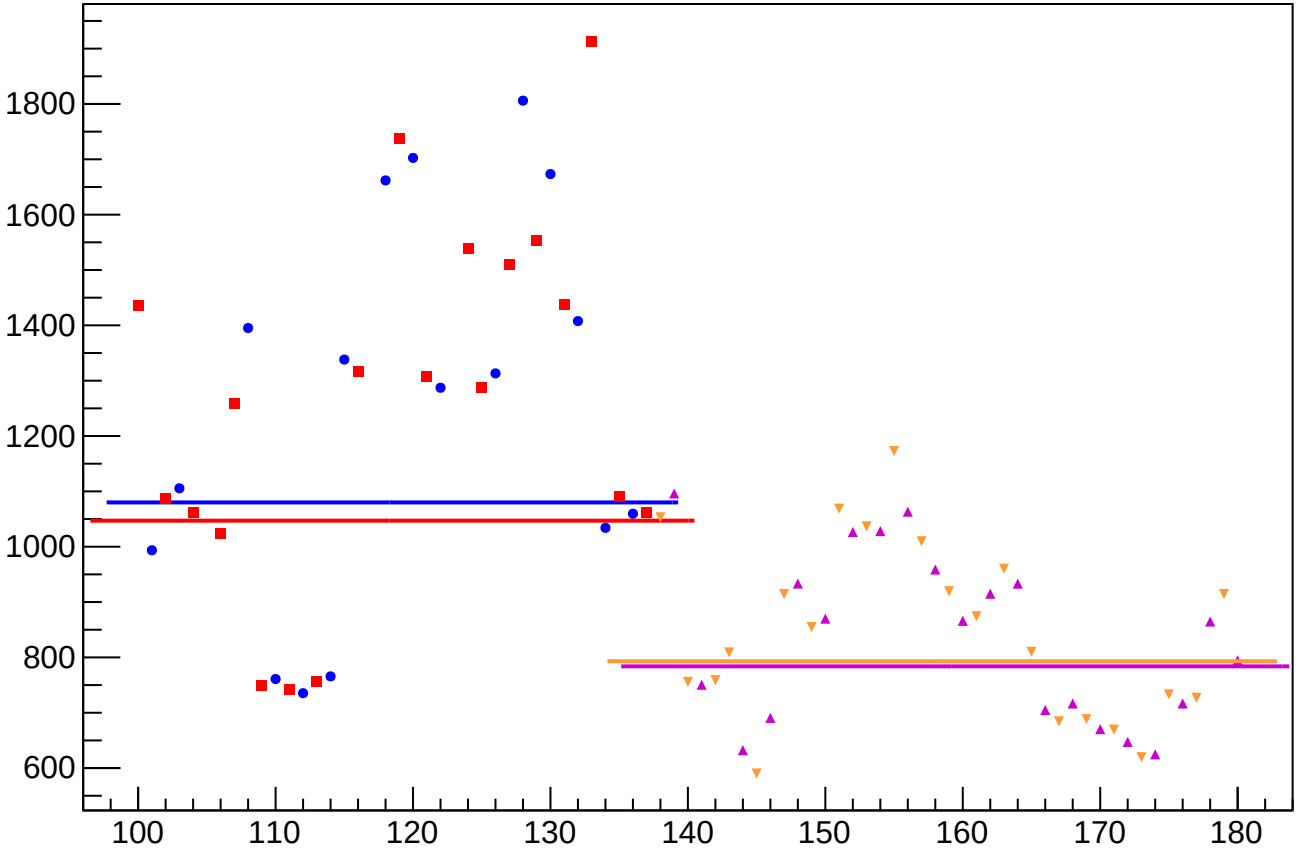
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 97.483+/-174.824 χ^2/NDF:45.9/36

Out: -657.802+/-174.333 χ^2/NDF:94.3/40

All: -281.222+/-123.446 χ^2/NDF: 149.6/77

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: 793.113+/-0.137 χ^2/NDF:1181758.3/21

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 783.821+/-0.136 χ^2/NDF:1062098.2/20

Left: 788.436+/-0.096 χ^2/NDF: 2246175.8/42

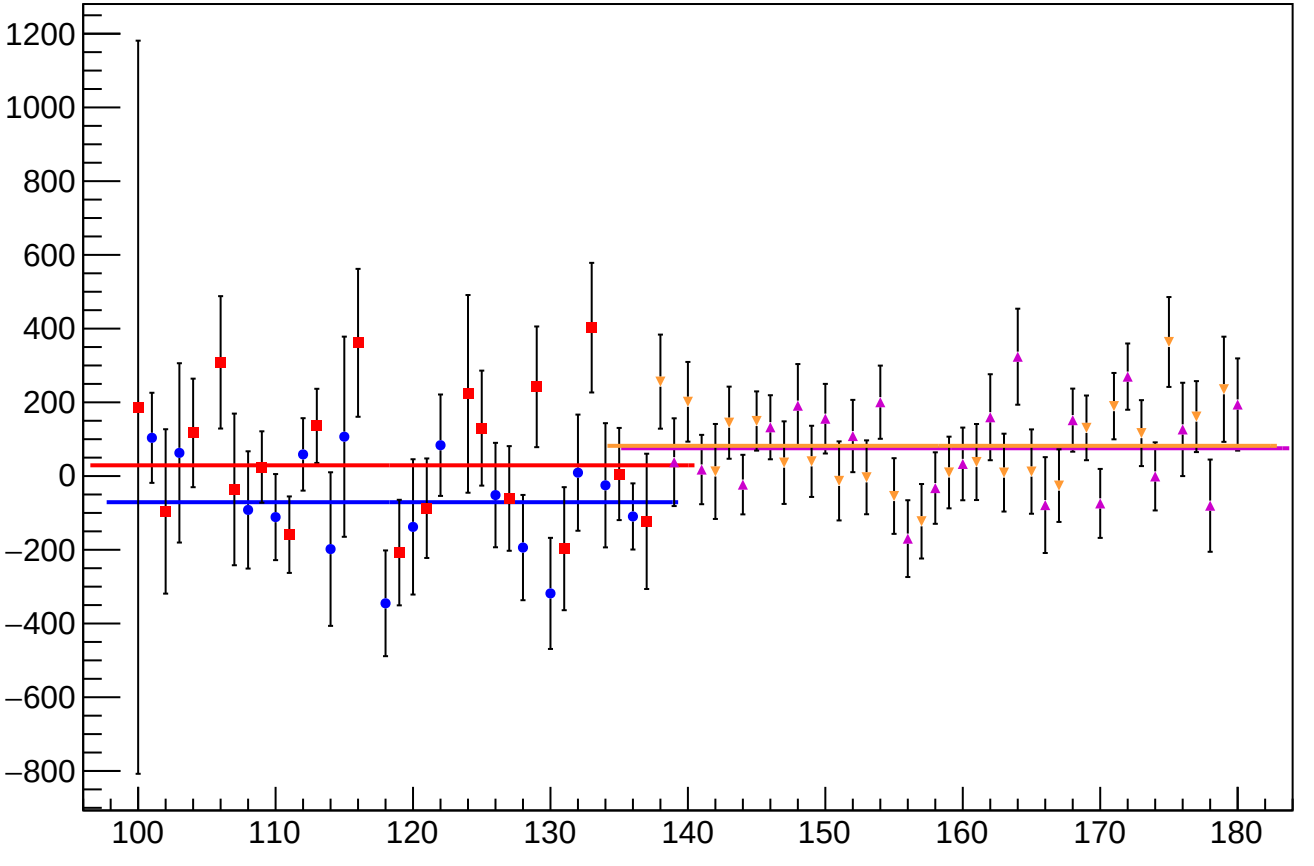
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 835.249+/-0.124 χ^2/NDF:2939383.8/36

Out: 841.154+/-0.123 χ^2/NDF:3031376.6/40

All: 838.210+/-0.087 χ^2/NDF: 5971904.5/77

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 75.408+/-22.139 χ^2/NDF:29.7/20

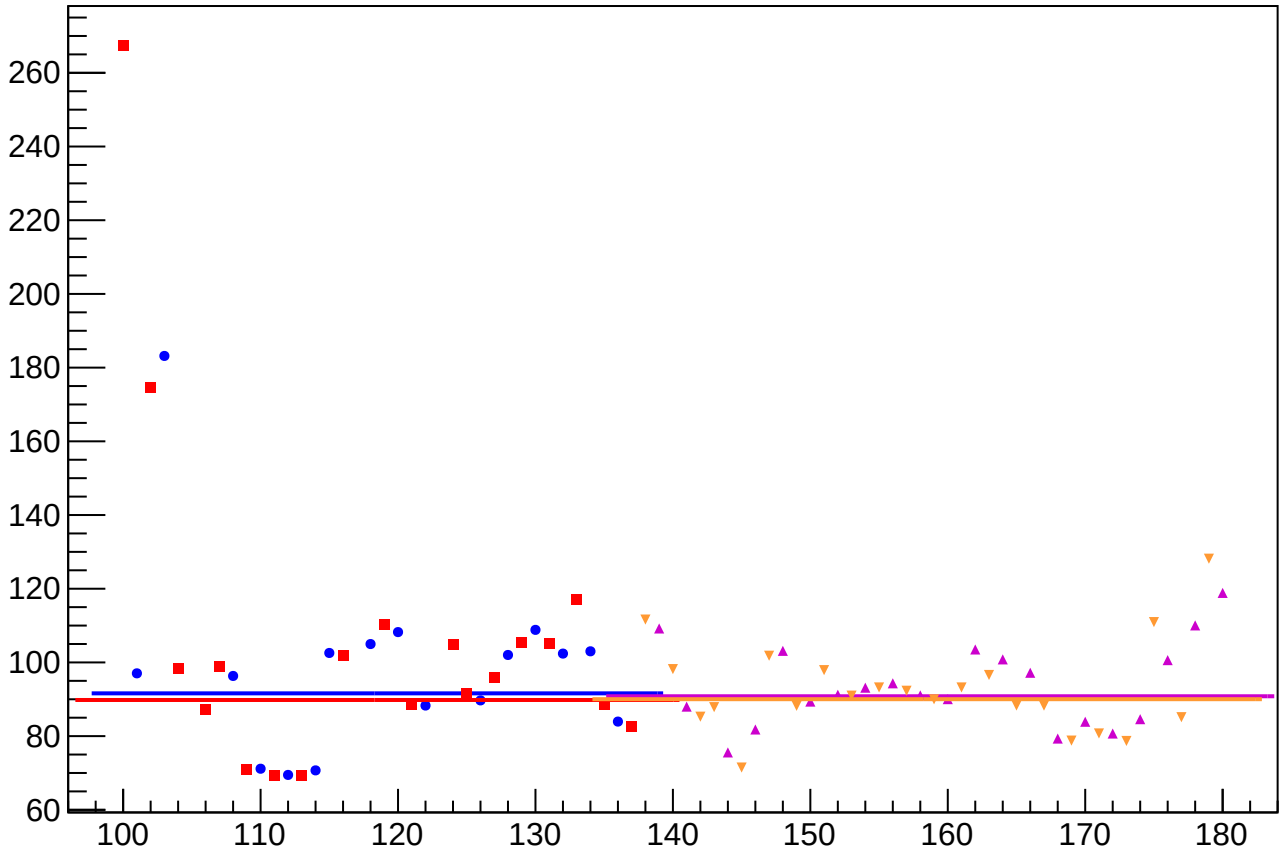
Left: 78.769+/-15.533 χ^2/NDF: 53.8/42

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 33.805+/-18.728 χ^2/NDF:56.2/36

Out: 66.784+/-18.389 χ^2/NDF:49.7/40

All: 50.596+/-13.121 χ^2/NDF: 107.5/77



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

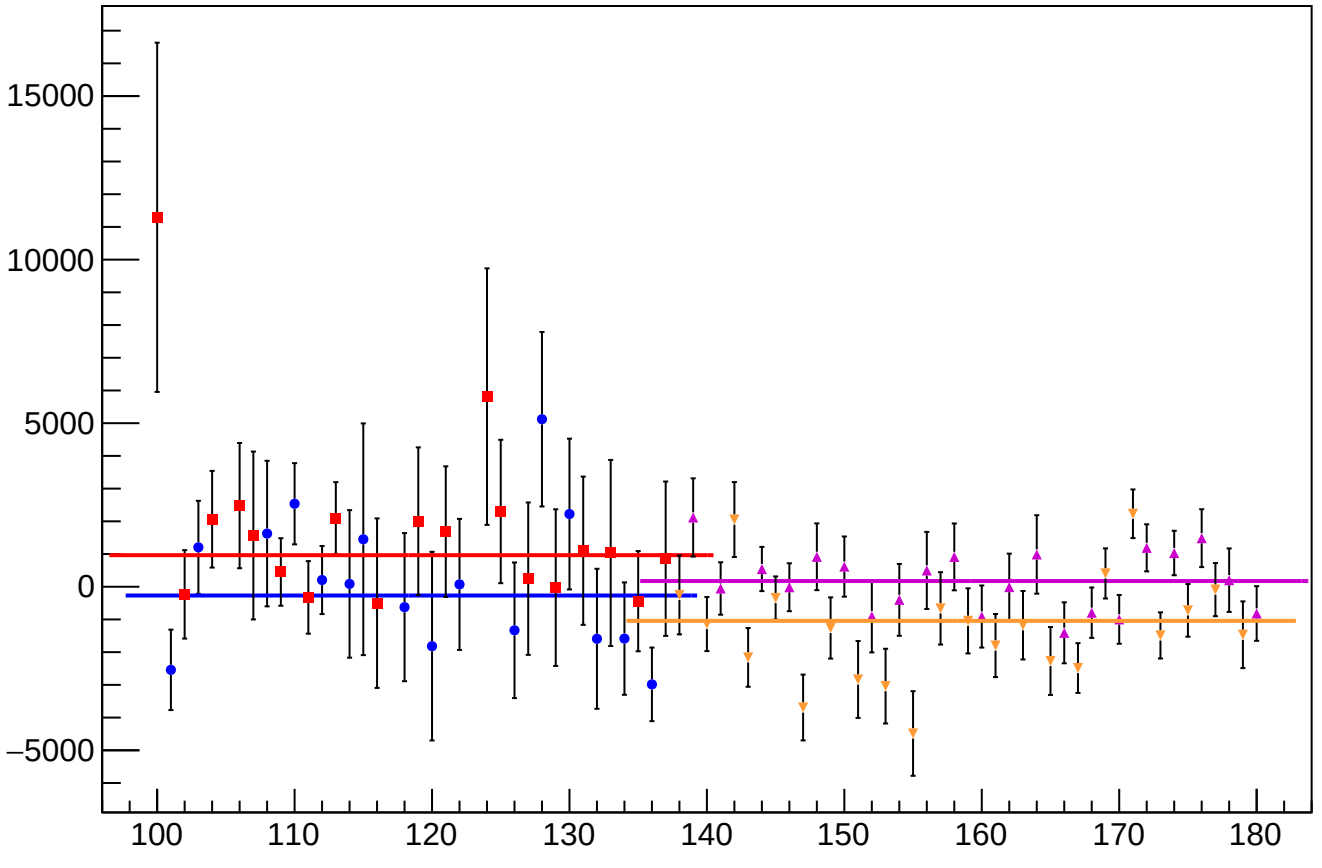
Left: 90.415+/-0.011 χ^2/NDF: 972459.7/42

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.043+/-0.013 χ^2/NDF:1032911.0/36

Out: 89.960+/-0.013 χ^2/NDF:1266524.1/40

All: 90.492+/-0.009 χ^2/NDF: 2302838.2/77



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 174.369+/-192.314 χ^2/NDF:21.6/20

Left: -430.173+/-136.440 χ^2/NDF: 102.1/42

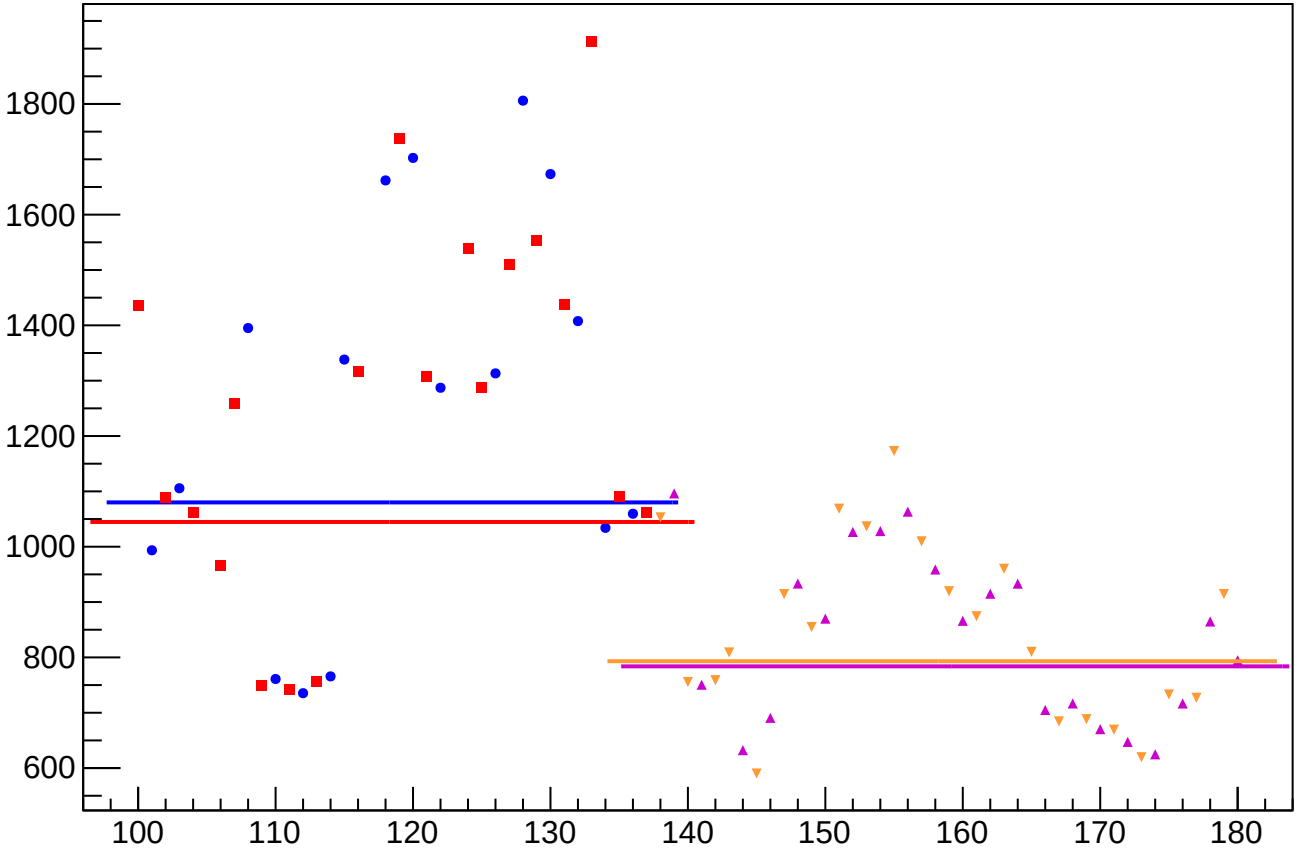
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 97.481+/-174.825 χ^2/NDF:45.9/36

Out: -664.273+/-174.400 χ^2/NDF:93.1/40

All: -284.323+/-123.469 χ^2/NDF: 148.5/77

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

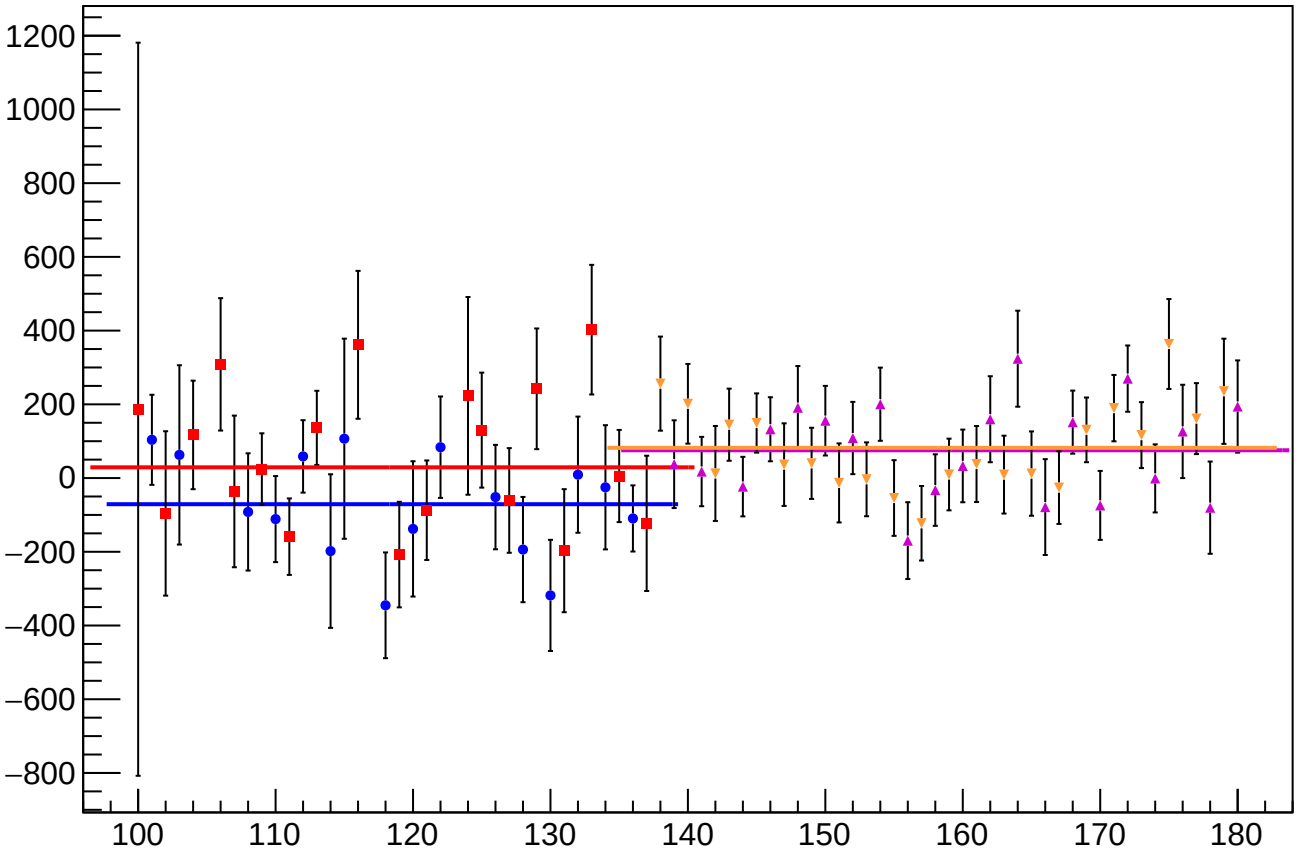
Left: 788.436+/-0.096 χ^2/NDF: 2246177.4/42

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 835.250+/-0.124 χ^2/NDF:2939425.7/36

Out: 840.554+/-0.123 χ^2/NDF:3020477.2/40

All: 837.908+/-0.087 χ^2/NDF: 5960825.5/77



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 75.408+/-22.139 χ^2/NDF:29.7/20

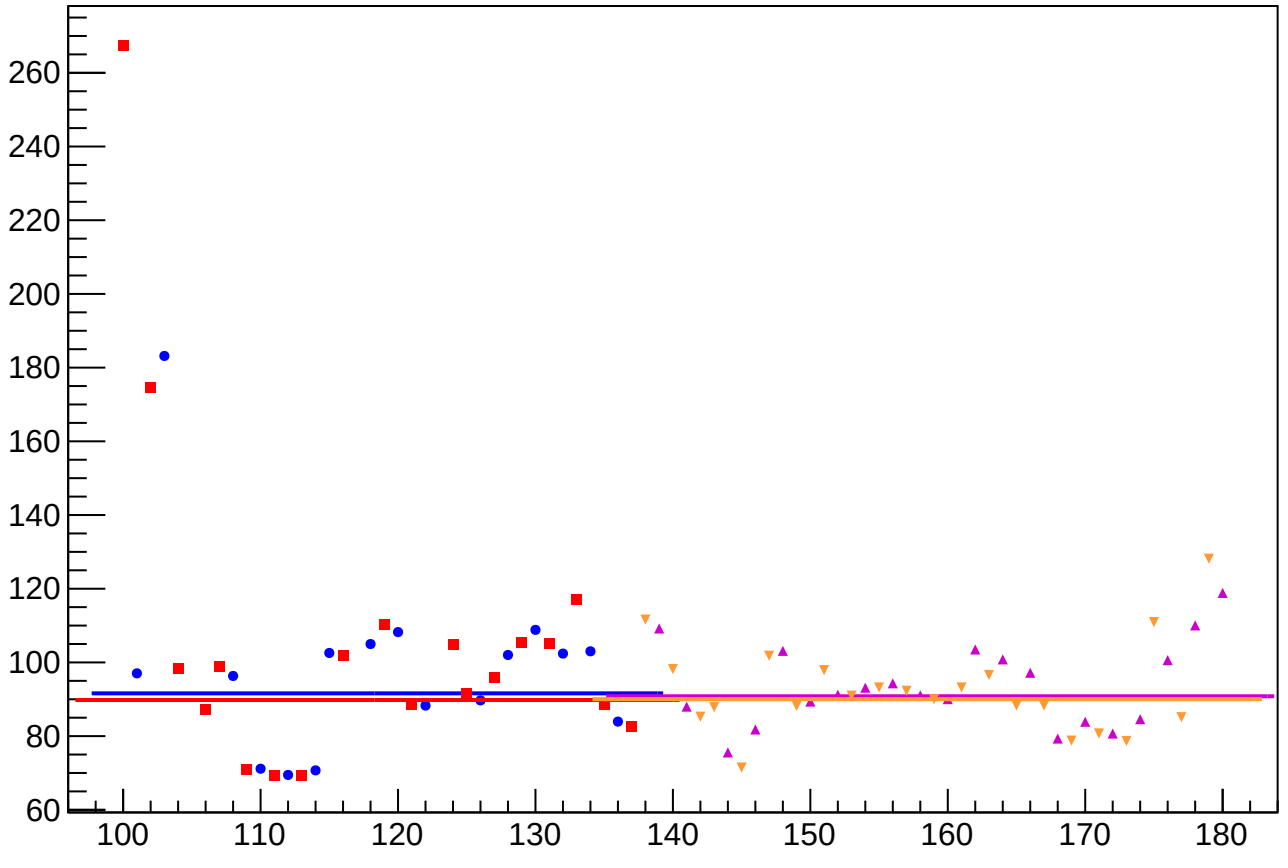
Left: 78.769+/-15.533 χ^2/NDF: 53.8/42

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 33.805+/-18.728 χ^2/NDF:56.2/36

Out: 66.784+/-18.389 χ^2/NDF:49.7/40

All: 50.596+/-13.121 χ^2/NDF: 107.5/77



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.819+/-0.016 χ^2/NDF:451512.3/20

Left: 90.415+/-0.011 χ^2/NDF: 972459.7/42

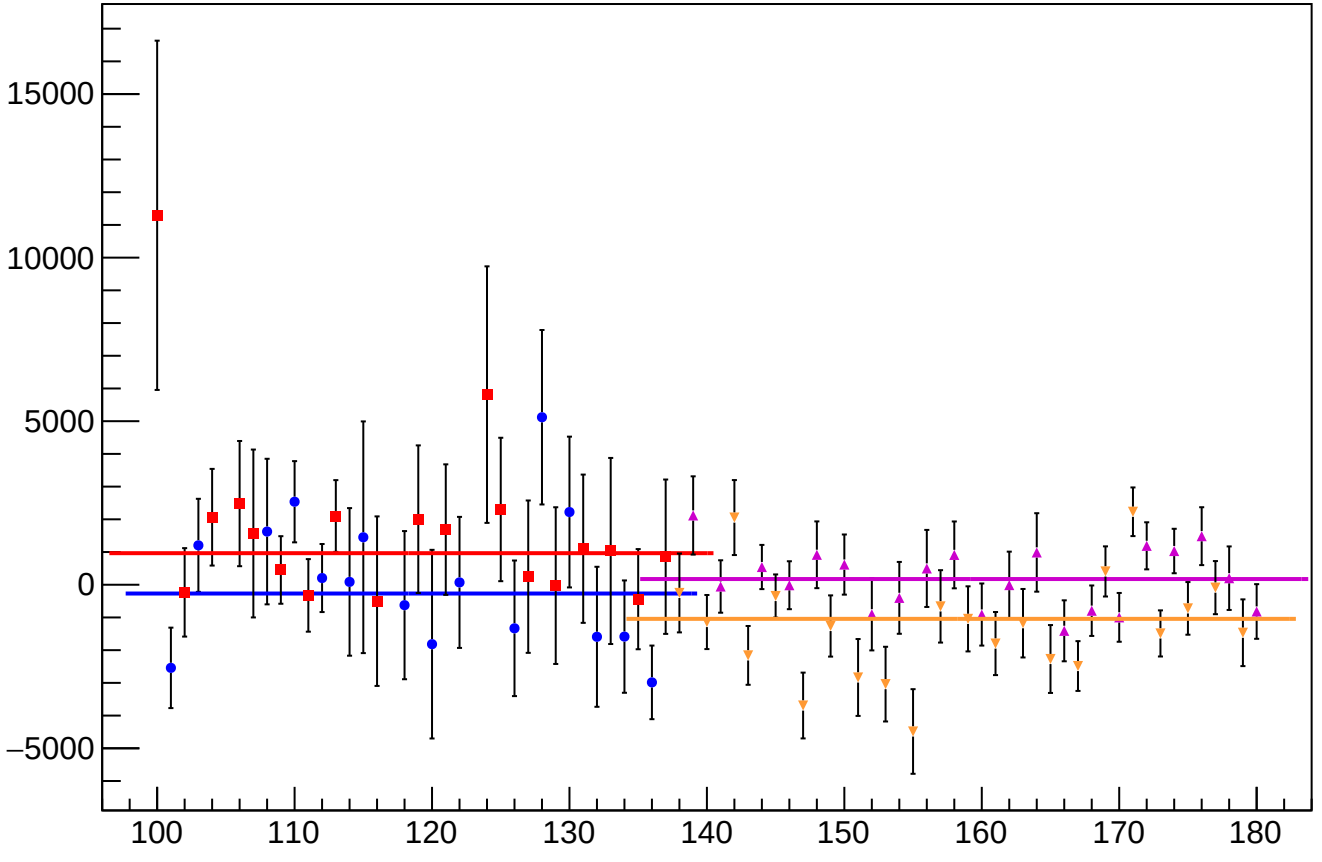
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.043+/-0.013 χ^2/NDF:1032911.0/36

Out: 89.960+/-0.013 χ^2/NDF:1266524.1/40

All: 90.492+/-0.009 χ^2/NDF: 2302838.2/77

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 174.369+/-192.314 χ^2/NDF:21.6/20

Left: -430.173+/-136.440 χ^2/NDF: 102.1/42

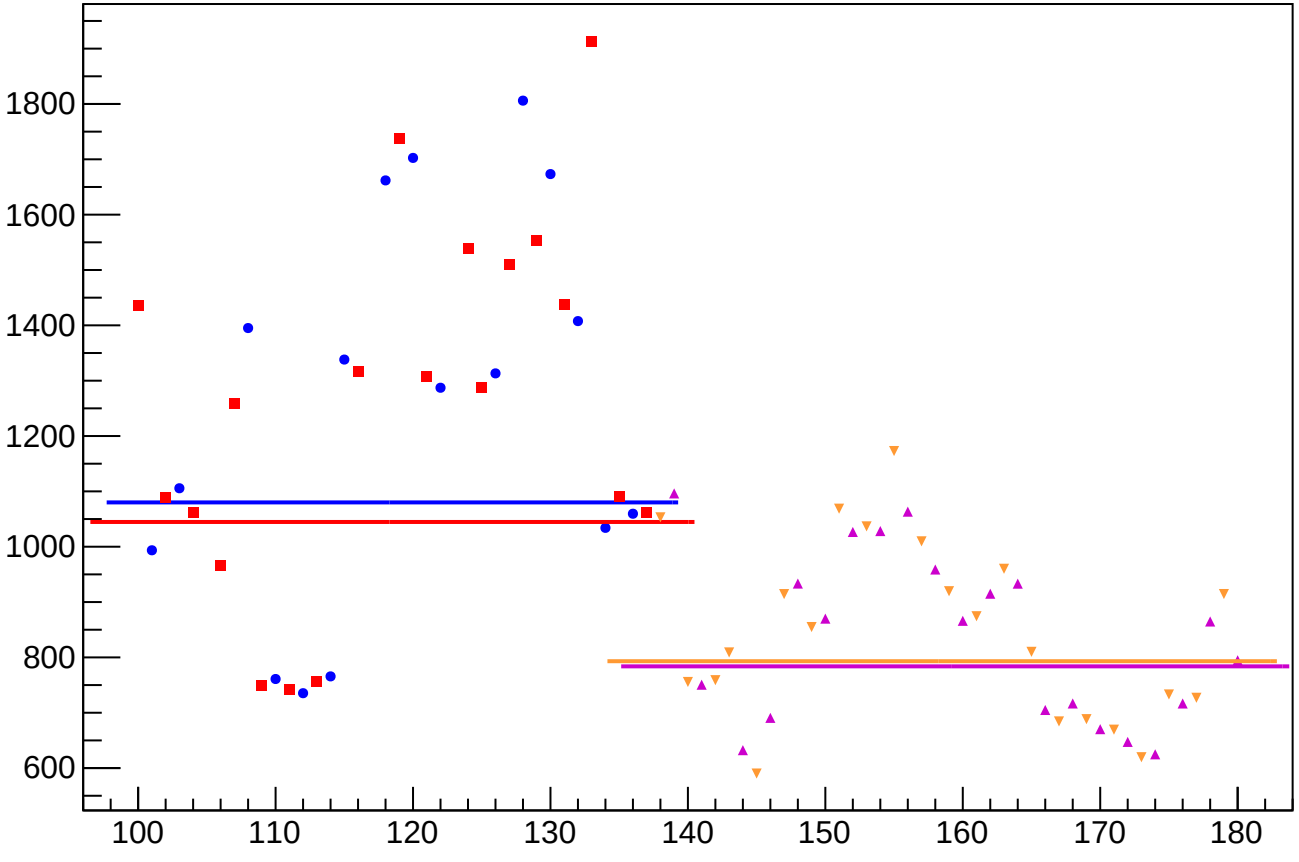
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 97.481+/-174.825 χ^2/NDF:45.9/36

Out: -664.273+/-174.400 χ^2/NDF:93.1/40

All: -284.323+/-123.469 χ^2/NDF: 148.5/77

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: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.821+/-0.136 χ^2/NDF:1062098.1/20

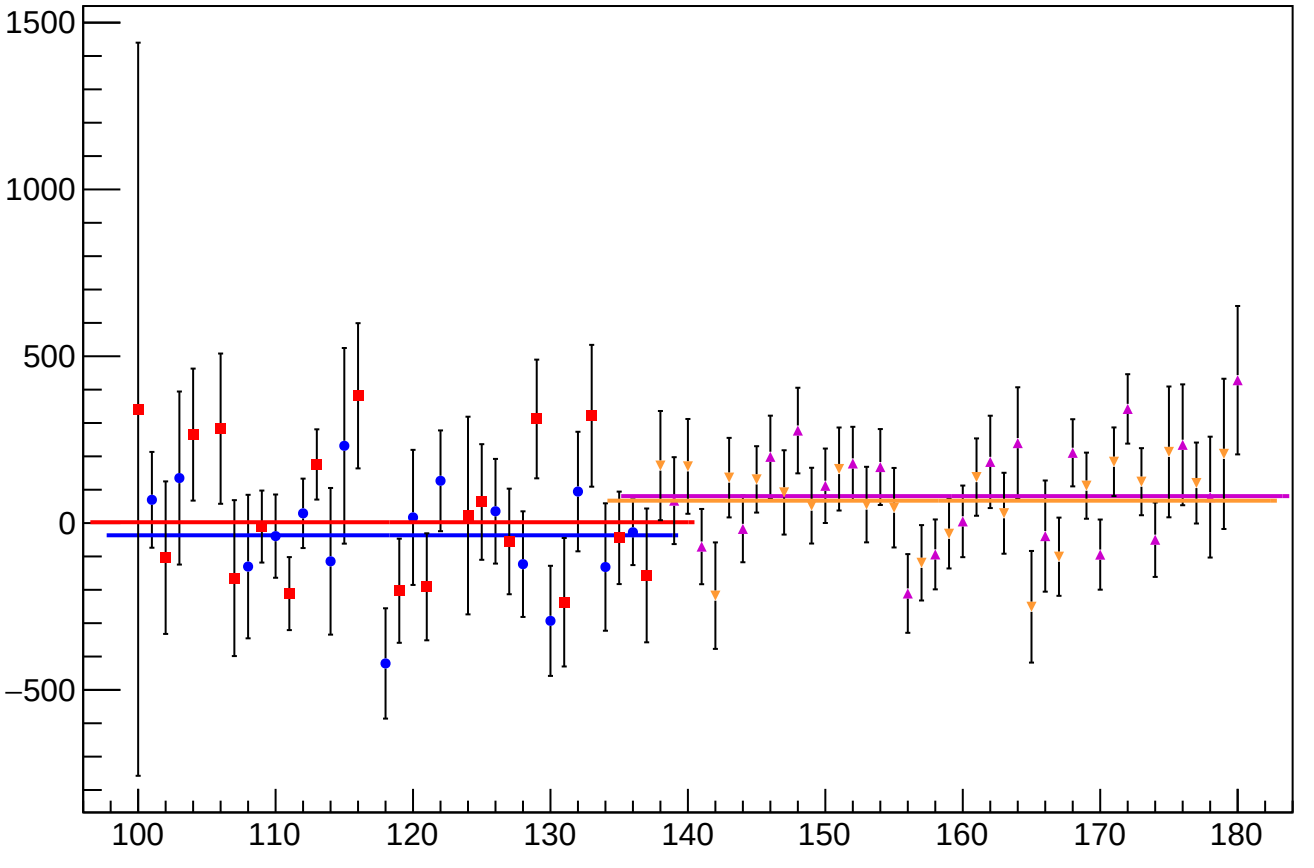
Left: 788.436+/-0.096 χ^2/NDF: 2246177.4/42

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 835.250+/-0.124 χ^2/NDF:2939425.7/36

Out: 840.554+/-0.123 χ^2/NDF:3020477.2/40

All: 837.908+/-0.087 χ^2/NDF: 5960825.5/77



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.166+/-25.982 χ^2/NDF:18.2/21

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 80.819+/-26.524 χ^2/NDF:34.1/20

Left: 73.852+/-18.561 χ^2/NDF: 52.5/42

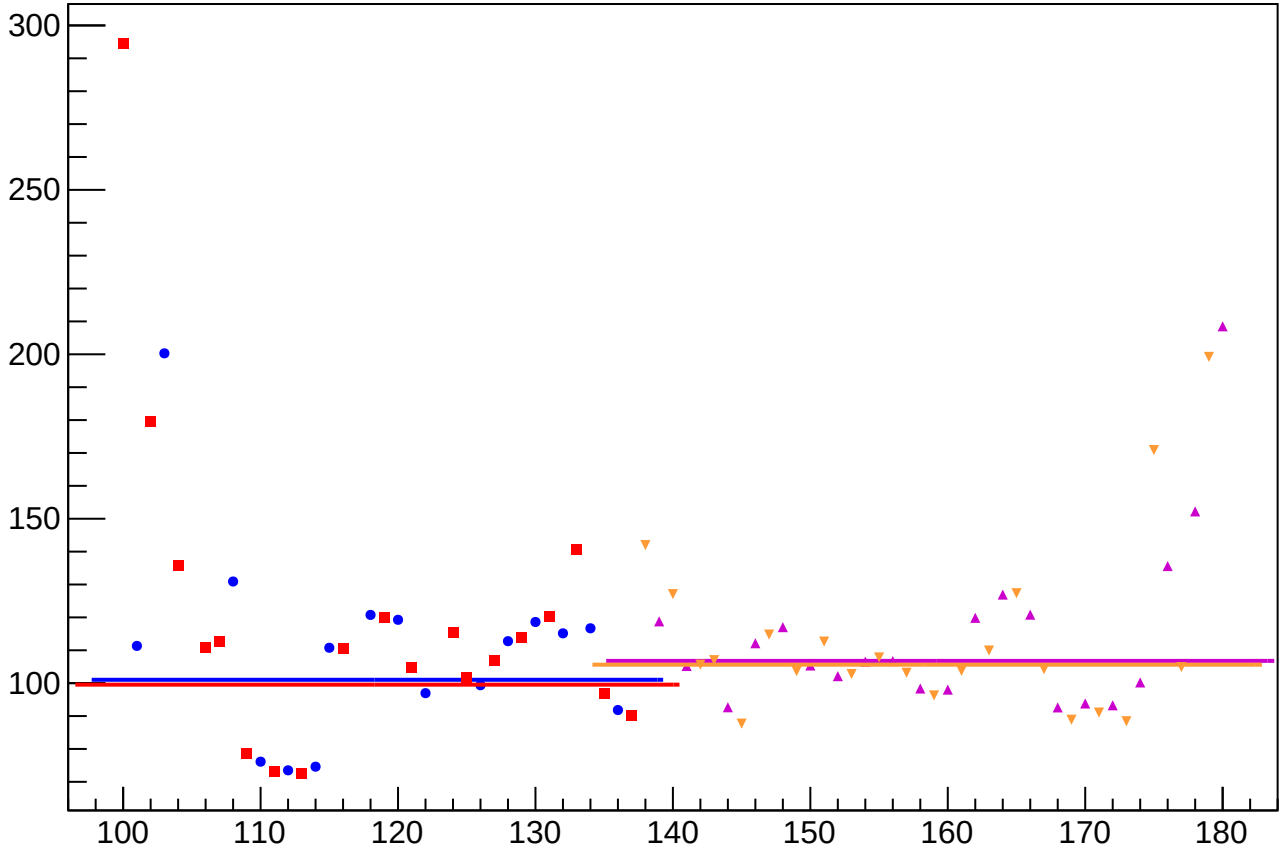
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 43.676+/-21.931 χ^2/NDF:53.2/36

Out: 46.708+/-21.477 χ^2/NDF:44.9/40

All: 45.224+/-15.345 χ^2/NDF: 98.2/77

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006014.7/21

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.777+/-0.019 χ^2/NDF:870555.9/20

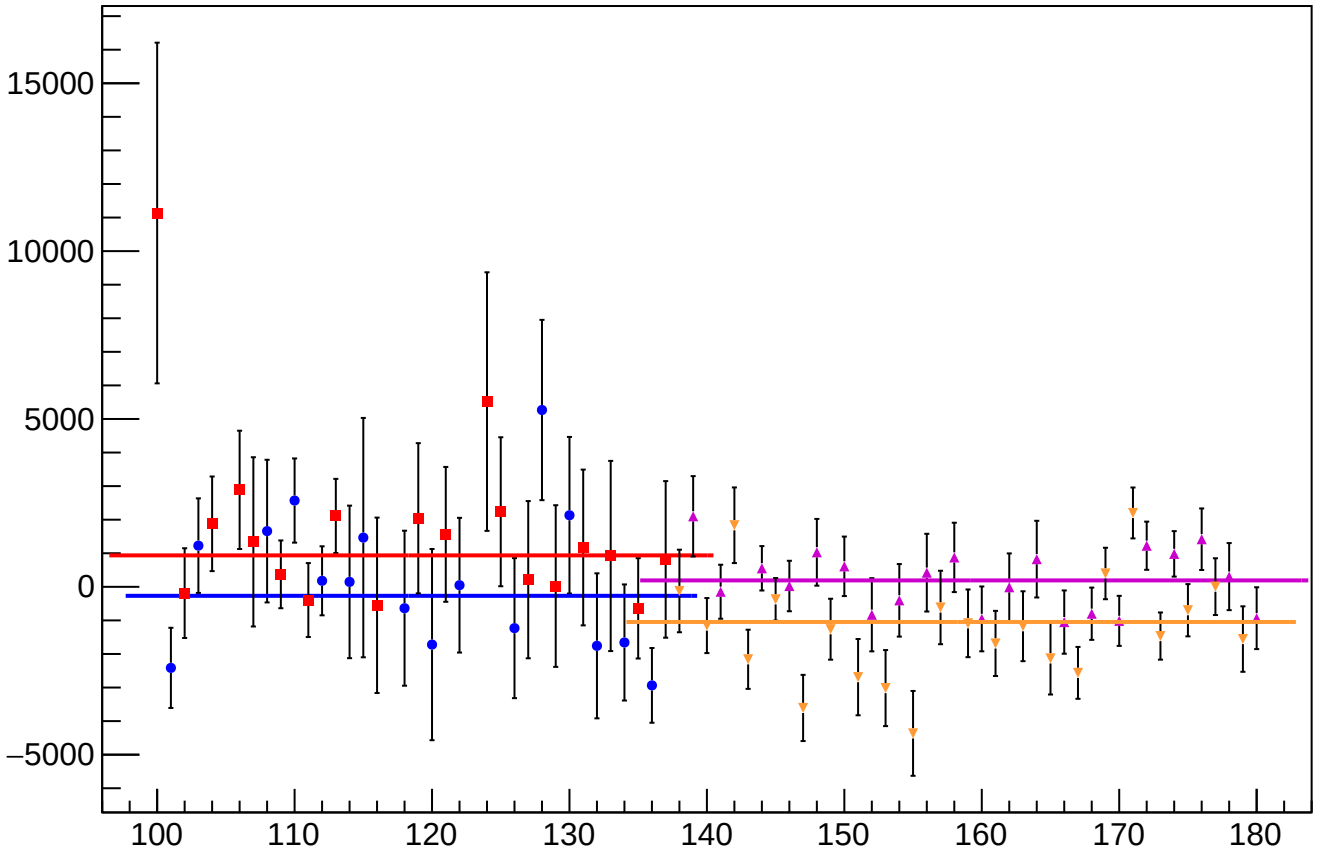
Left: 106.186+/-0.013 χ^2/NDF: 1878517.4/42

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 104.959+/-0.016 χ^2/NDF:1616343.6/36

Out: 103.696+/-0.015 χ^2/NDF:1921099.2/40

All: 104.314+/-0.011 χ^2/NDF: 3540831.4/77



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.693+/-192.268 χ^2/NDF:58.4/21

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 191.172+/-192.934 χ^2/NDF:20.1/20

Left: -429.903+/-136.189 χ^2/NDF: 99.2/42

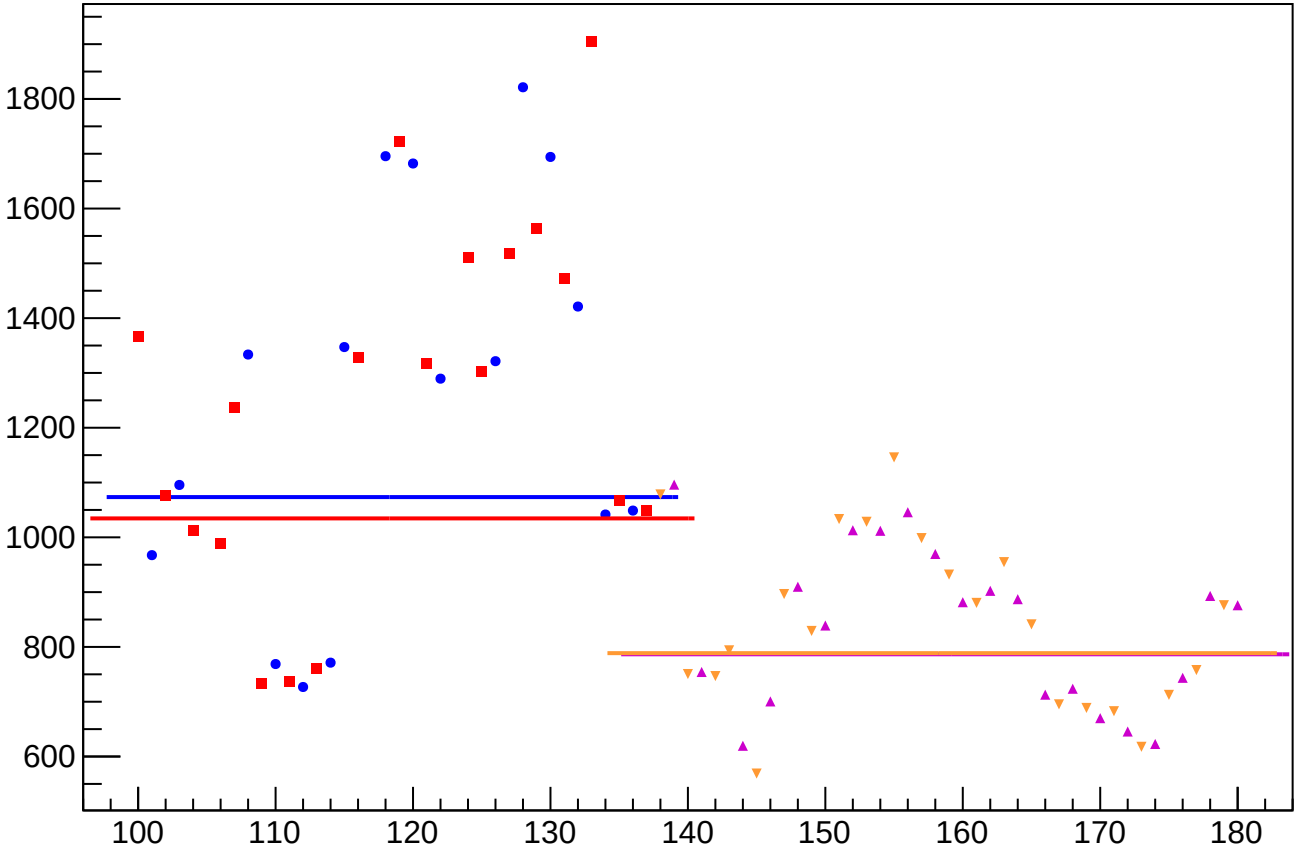
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 110.250+/-175.105 χ^2/NDF:44.6/36

Out: -668.688+/-172.979 χ^2/NDF:91.8/40

All: -283.978+/-123.059 χ^2/NDF: 146.4/77

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.646+/-0.136 χ^2/NDF:1174892.9/21

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 786.555+/-0.136 χ^2/NDF:1040461.7/20

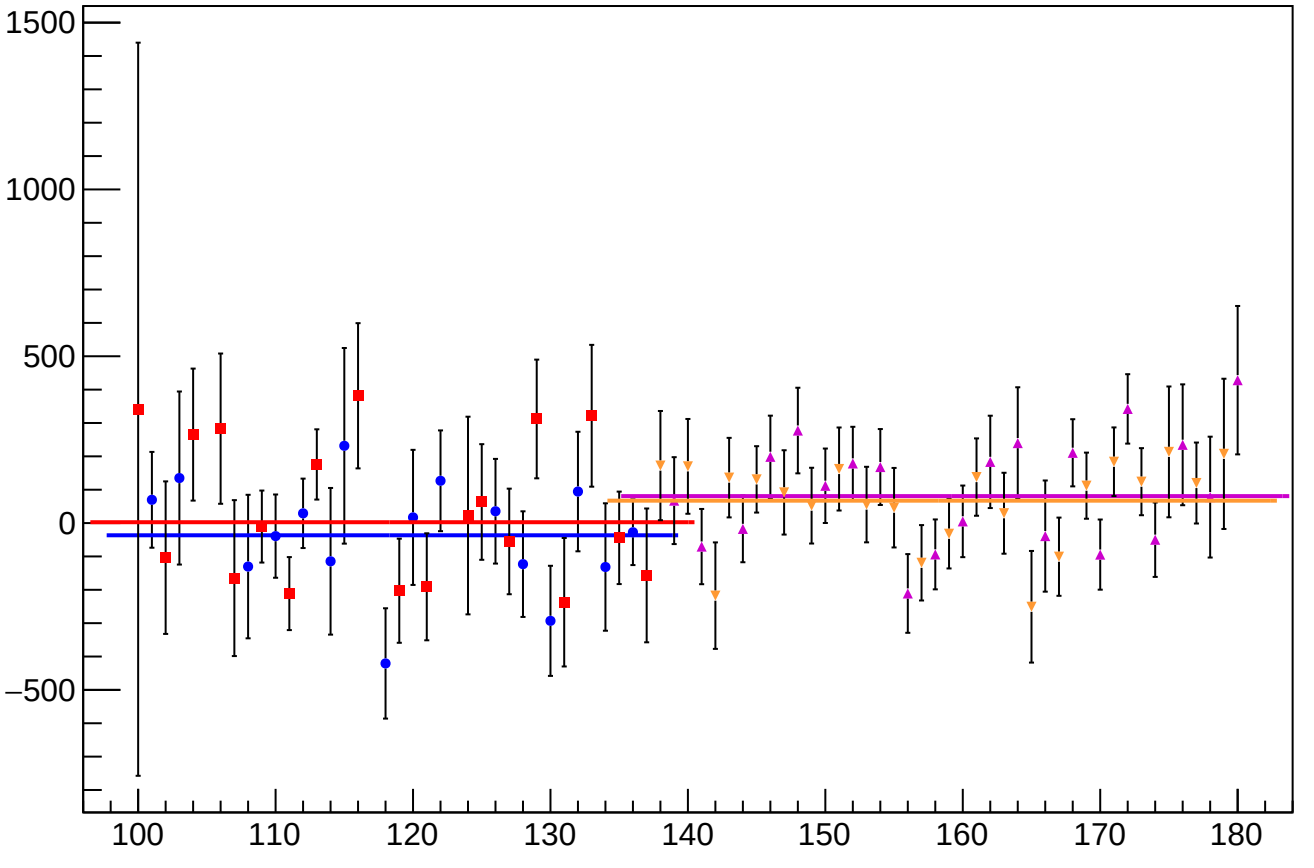
Left: 787.604+/-0.096 χ^2/NDF: 2215472.5/42

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 837.130+/-0.124 χ^2/NDF:2897118.9/36

Out: 835.508+/-0.122 χ^2/NDF:3027649.8/40

All: 836.309+/-0.087 χ^2/NDF: 5924855.6/77



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.167+/-25.982 χ^2/NDF:18.2/21

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 80.818+/-26.524 χ^2/NDF:34.1/20

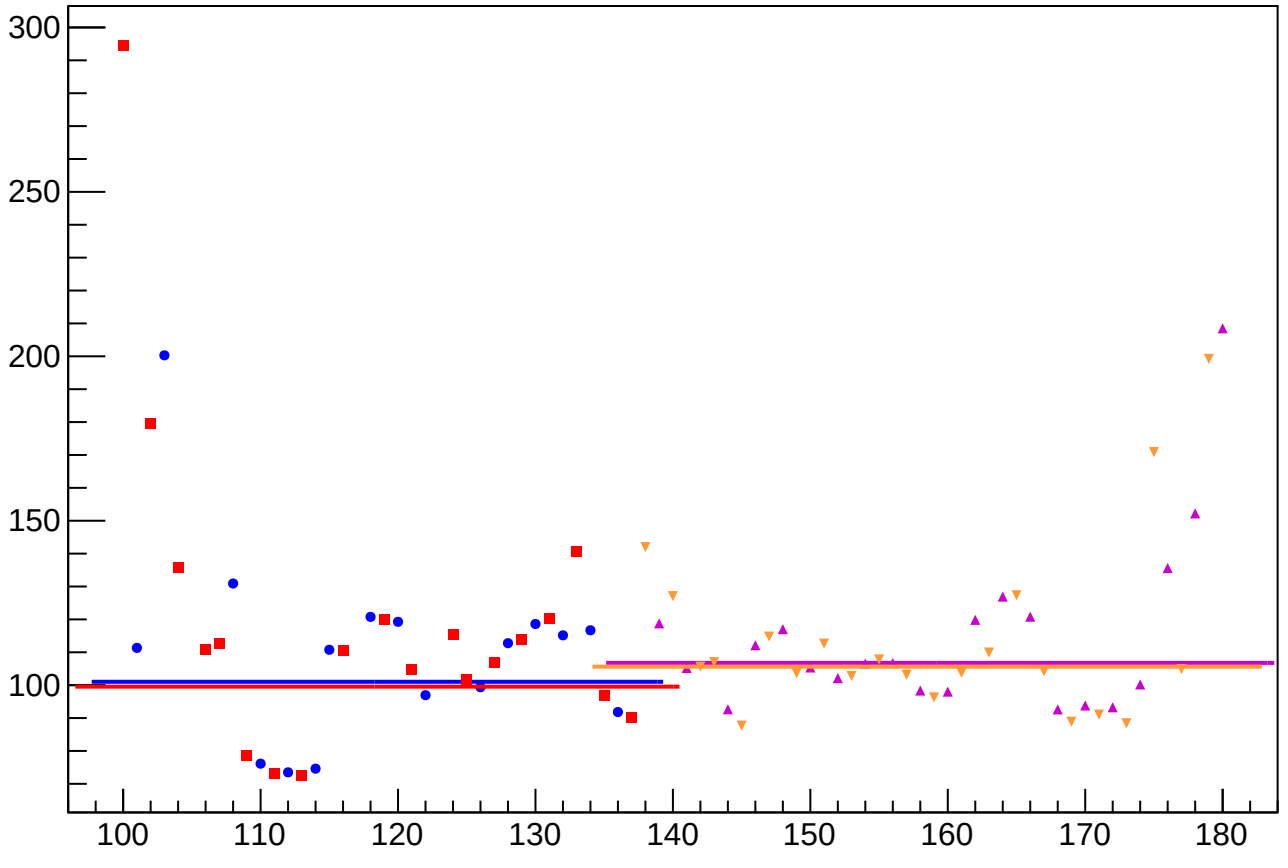
Left: 73.852+/-18.561 χ^2/NDF: 52.5/42

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 43.676+/-21.931 χ^2/NDF:53.2/36

Out: 46.708+/-21.478 χ^2/NDF:44.9/40

All: 45.224+/-15.345 χ^2/NDF: 98.2/77



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006015.7/21

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.777+/-0.019 χ^2/NDF:870538.2/20

Left: 106.186+/-0.013 χ^2/NDF: 1878500.6/42

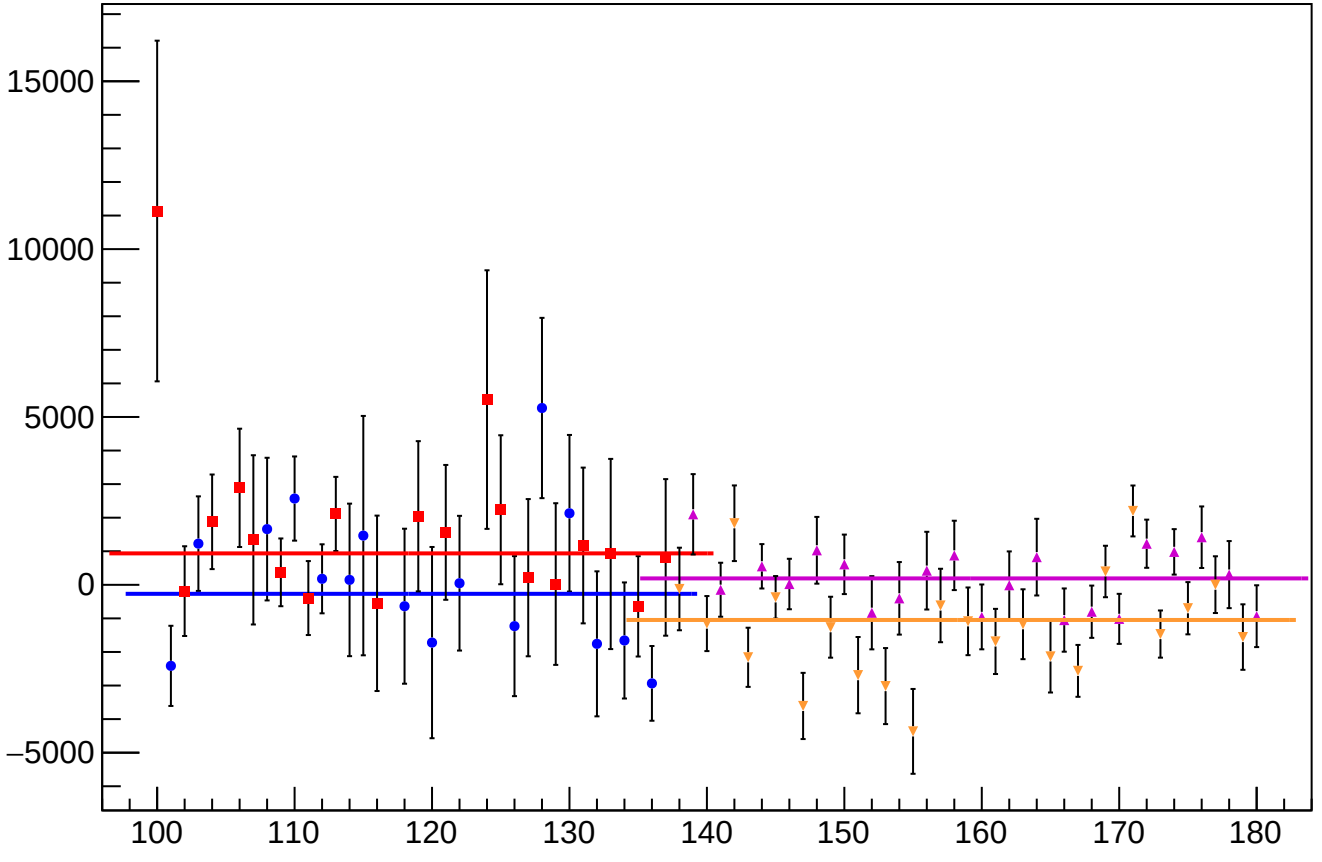
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 104.960+/-0.016 χ^2/NDF:1616326.3/36

Out: 103.696+/-0.015 χ^2/NDF:1921104.0/40

All: 104.315+/-0.011 χ^2/NDF: 3540818.9/77

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: -1046.692+/-192.267 χ^2/NDF:58.4/21

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 191.171+/-192.934 χ^2/NDF:20.1/20

Left: -429.903+/-136.189 χ^2/NDF: 99.2/42

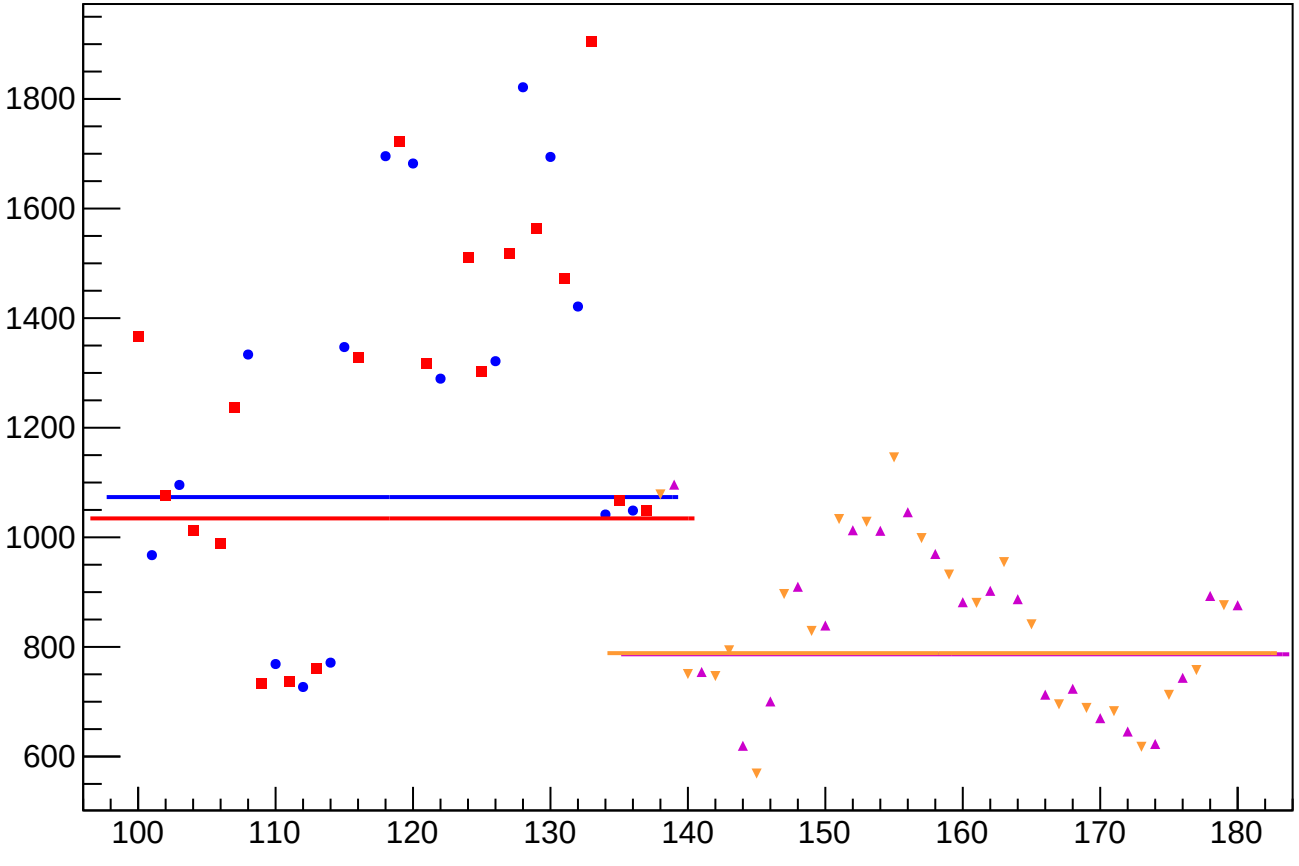
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 110.249+/-175.105 χ^2/NDF:44.6/36

Out: -668.688+/-172.978 χ^2/NDF:91.8/40

All: -283.978+/-123.059 χ^2/NDF: 146.4/77

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 788.645+/-0.136 χ^2/NDF:1174895.6/21

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 786.554+/-0.136 χ^2/NDF:1040461.8/20

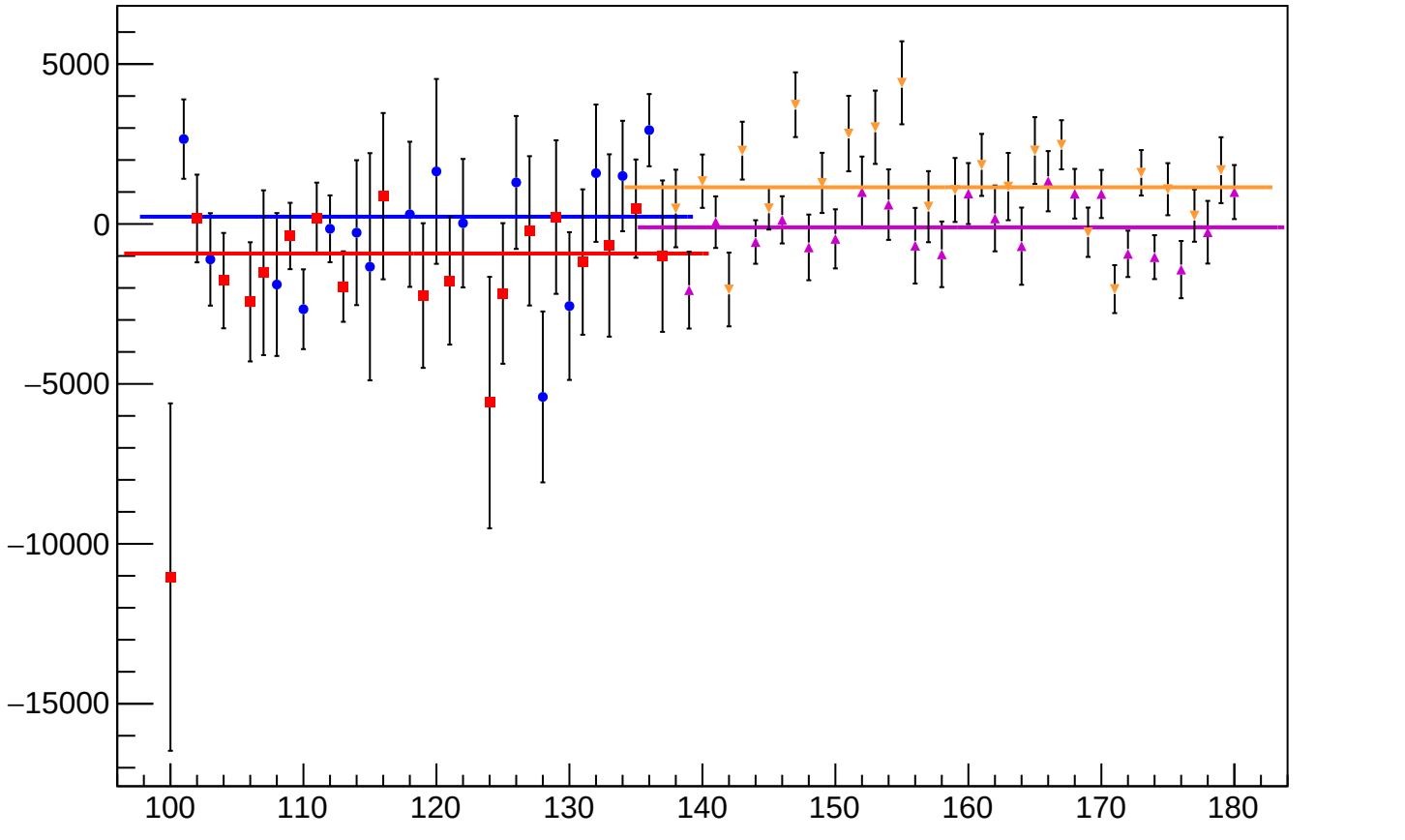
Left: 787.603+/-0.096 χ^2/NDF: 2215475.2/42

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 837.128+/-0.124 χ^2/NDF:2897124.7/36

Out: 835.507+/-0.122 χ^2/NDF:3027655.7/40

All: 836.307+/-0.087 χ^2/NDF: 5924867.2/77



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1148.558+/-194.970 χ^2/NDF:56.4/21

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -105.075+/-193.735 χ^2/NDF:20.8/20

Left: 517.758+/-137.426 χ^2/NDF: 98.0/42

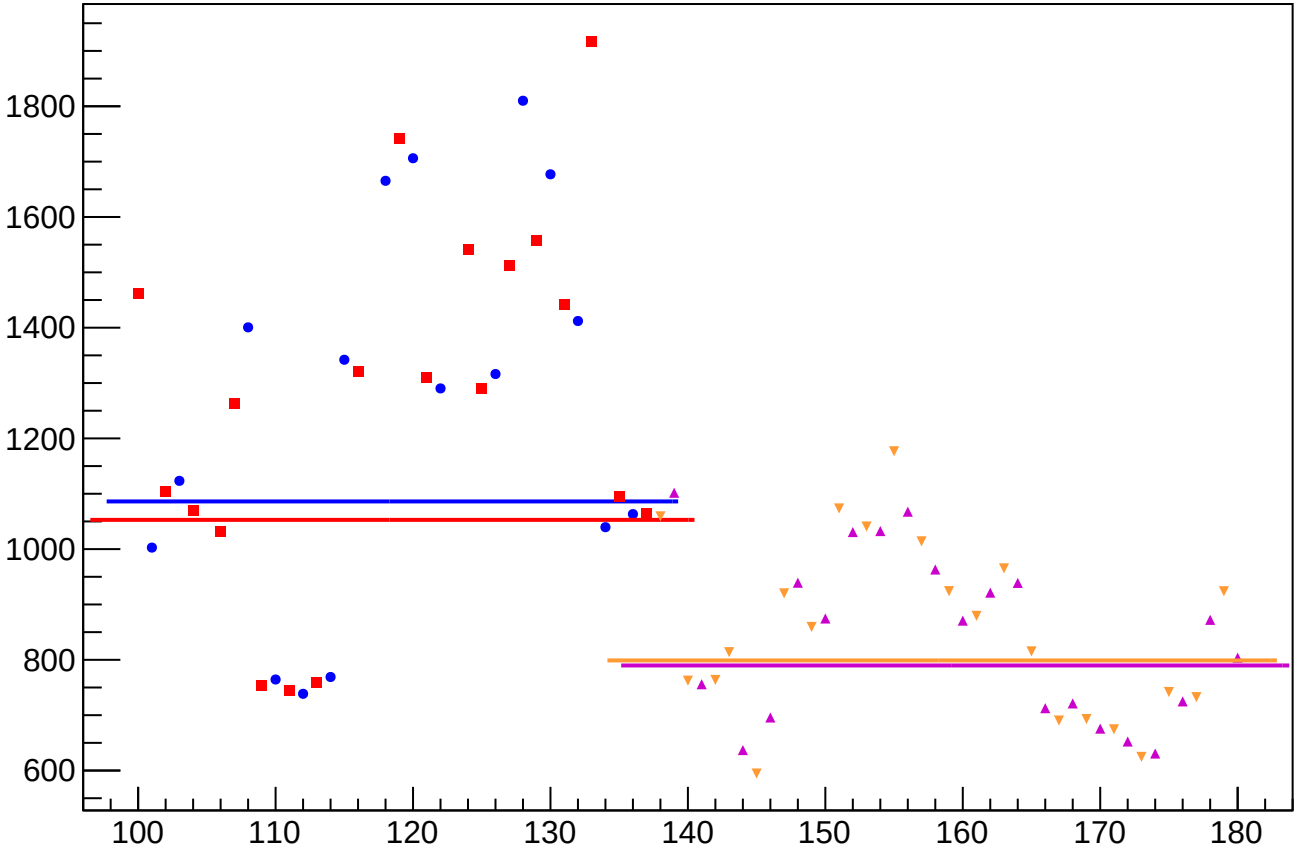
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -47.145+/-176.055 χ^2/NDF:45.8/36

Out: 755.692+/-175.518 χ^2/NDF:89.0/40

All: 355.501+/-124.299 χ^2/NDF: 145.2/77

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.900+/-0.138 χ^2/NDF:1166904.0/21

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.800+/-0.137 χ^2/NDF:1046731.4/20

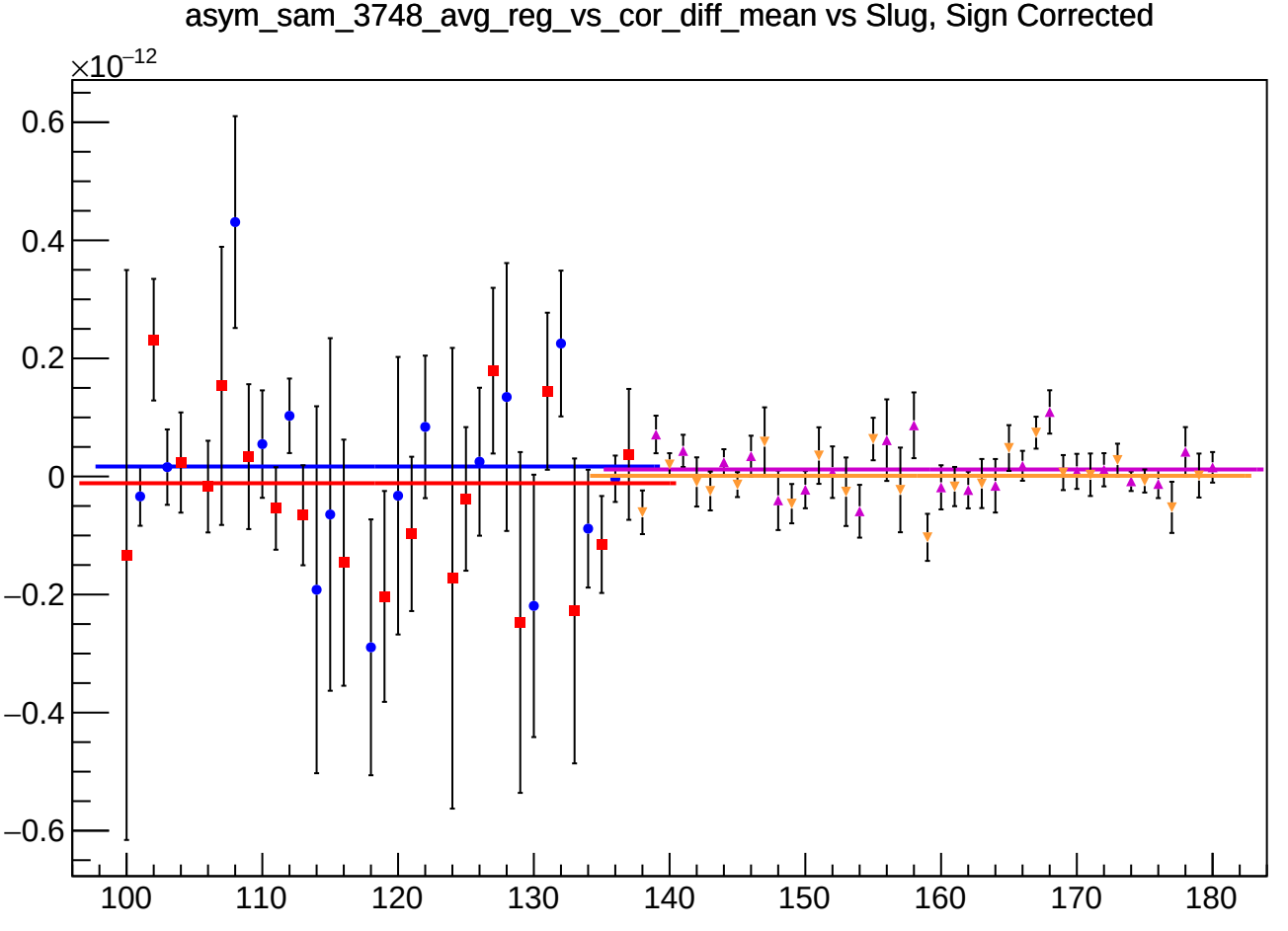
Left: 794.321+/-0.097 χ^2/NDF: 2215827.3/42

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 841.417+/-0.124 χ^2/NDF:2909279.9/36

Out: 847.042+/-0.124 χ^2/NDF:3004512.9/40

All: 844.238+/-0.088 χ^2/NDF: 5914816.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25.1/20

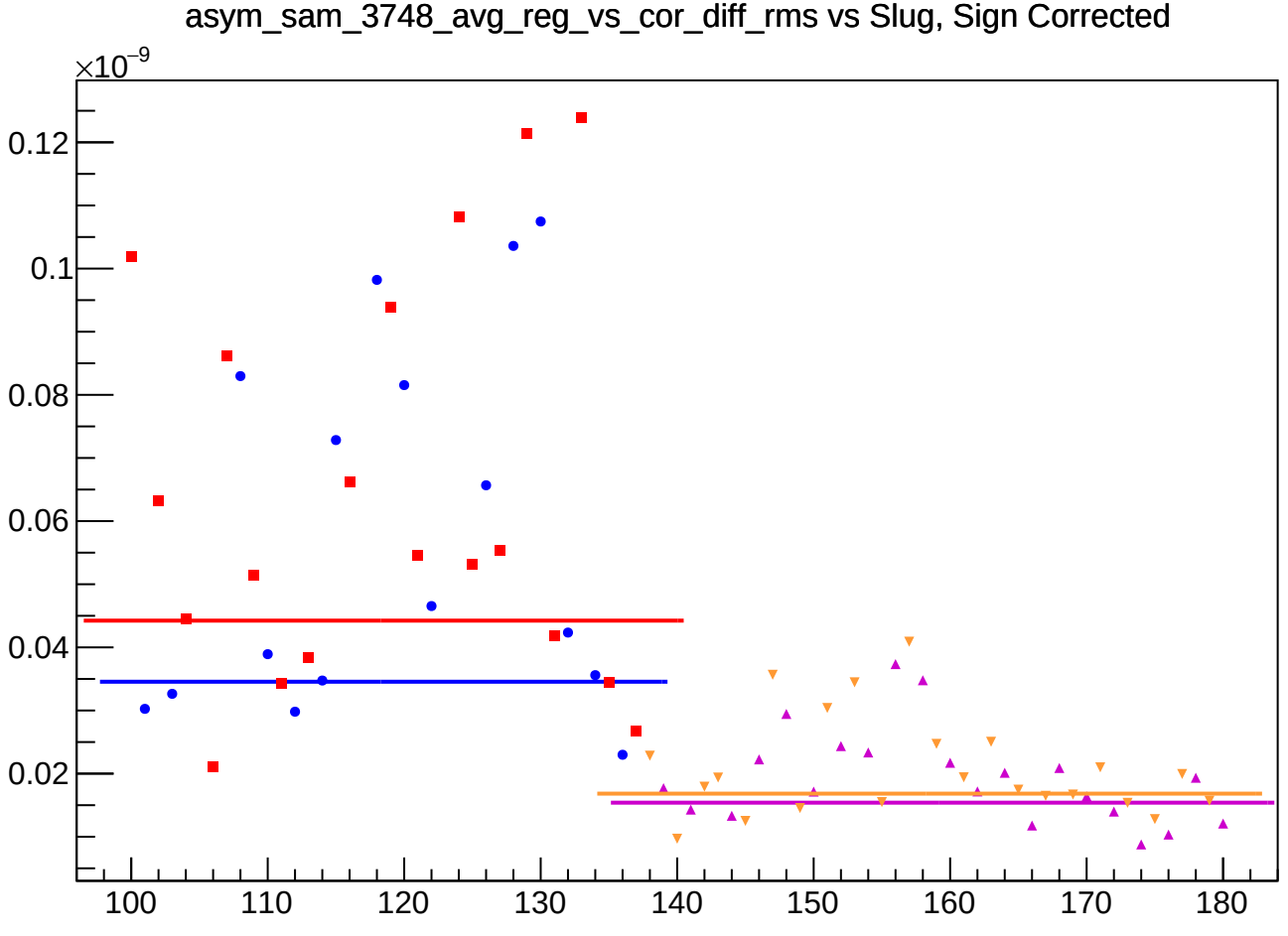
Left: 0.000+/-0.000 χ^2/NDF: 56.8/42

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:42.0/36

Out: 0.000+/-0.000 χ^2/NDF:46.5/40

All: 0.000+/-0.000 χ^2/NDF: 90.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517509.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1501482.4/20

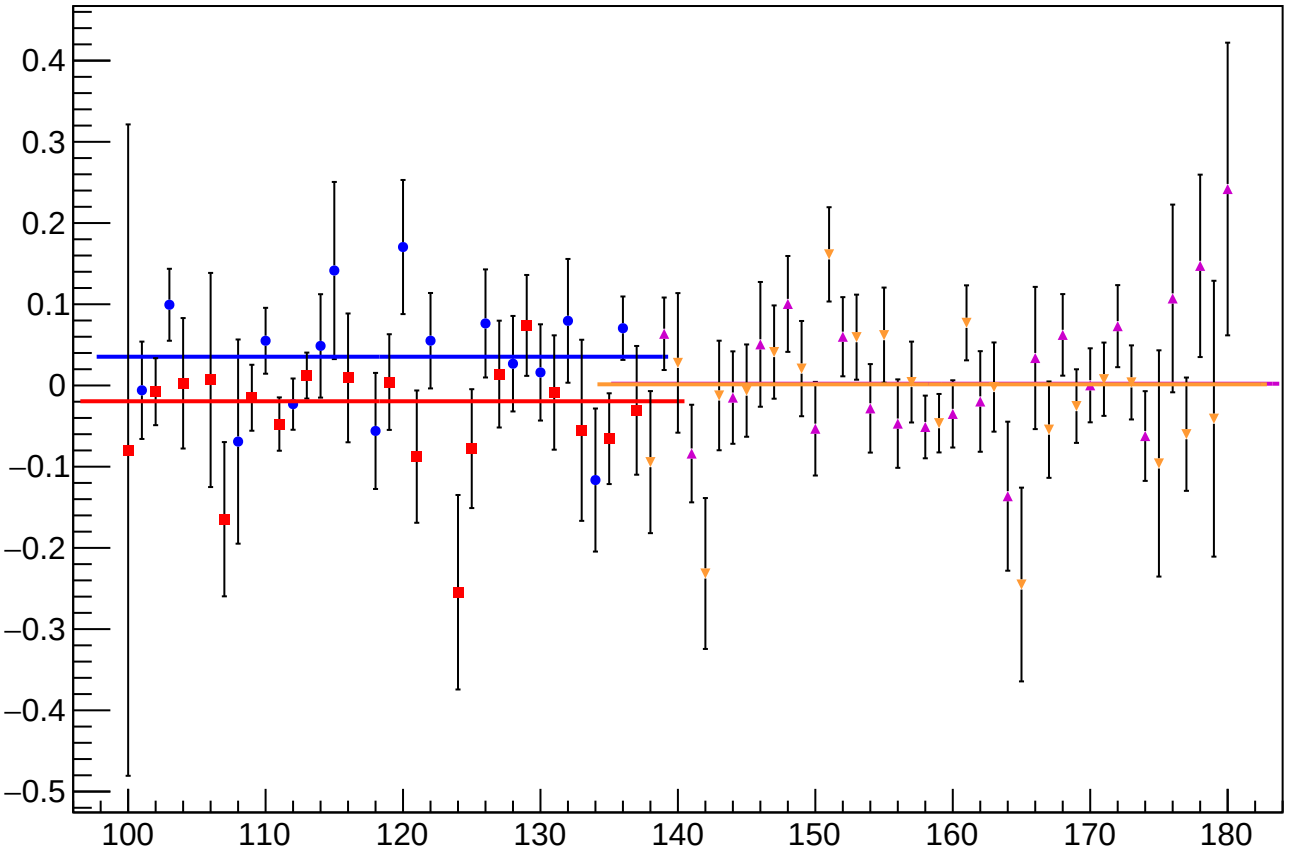
Left: 0.000+/-0.000 χ^2/NDF: 3063878.9/42

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4100647.3/36

Out: 0.000+/-0.000 χ^2/NDF:4540609.0/40

All: 0.000+/-0.000 χ^2/NDF: 8692263.0/77



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.012 χ^2/NDF:24.9/20

Left: 0.002+/-0.009 χ^2/NDF: 54.4/42

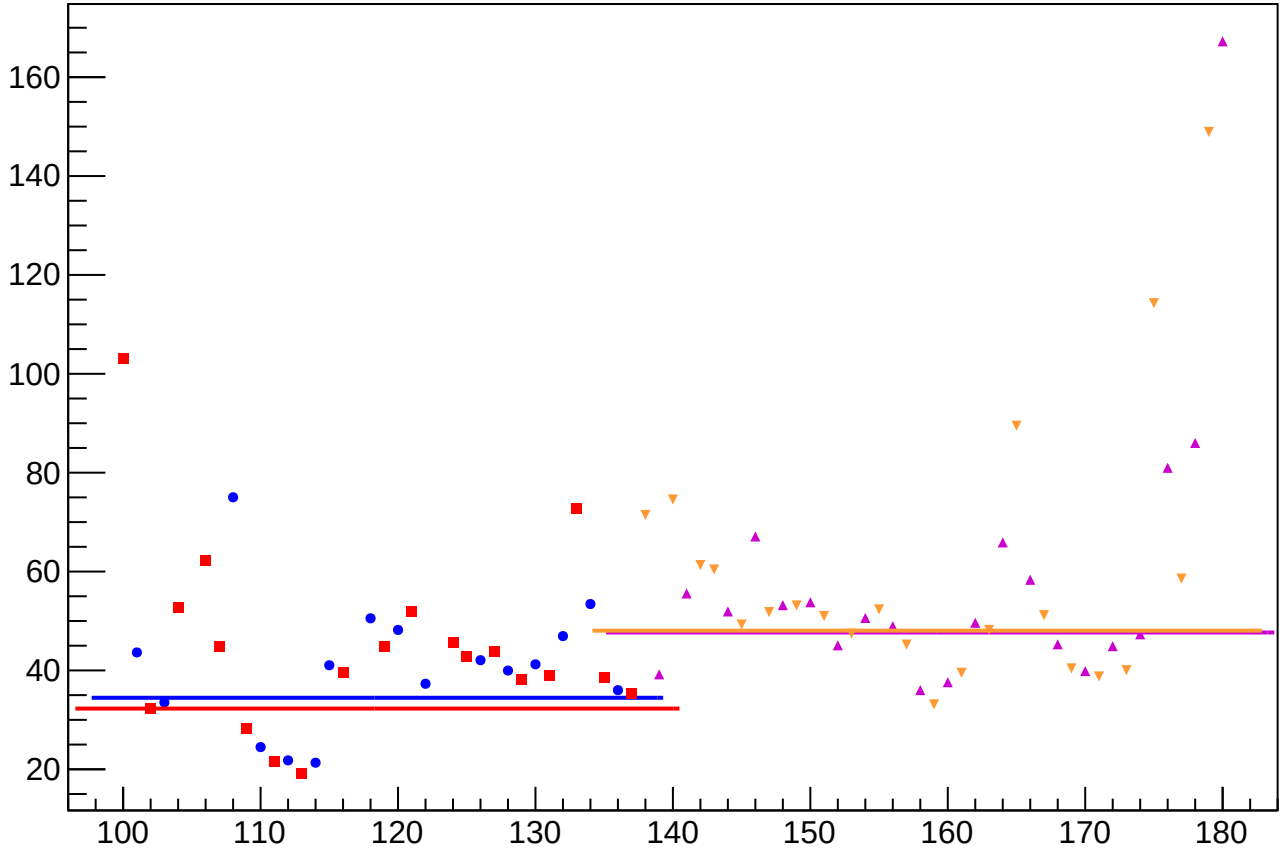
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:45.1/36

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 93.1/77

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.045+/-0.009 χ^2/NDF:2553757.2/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

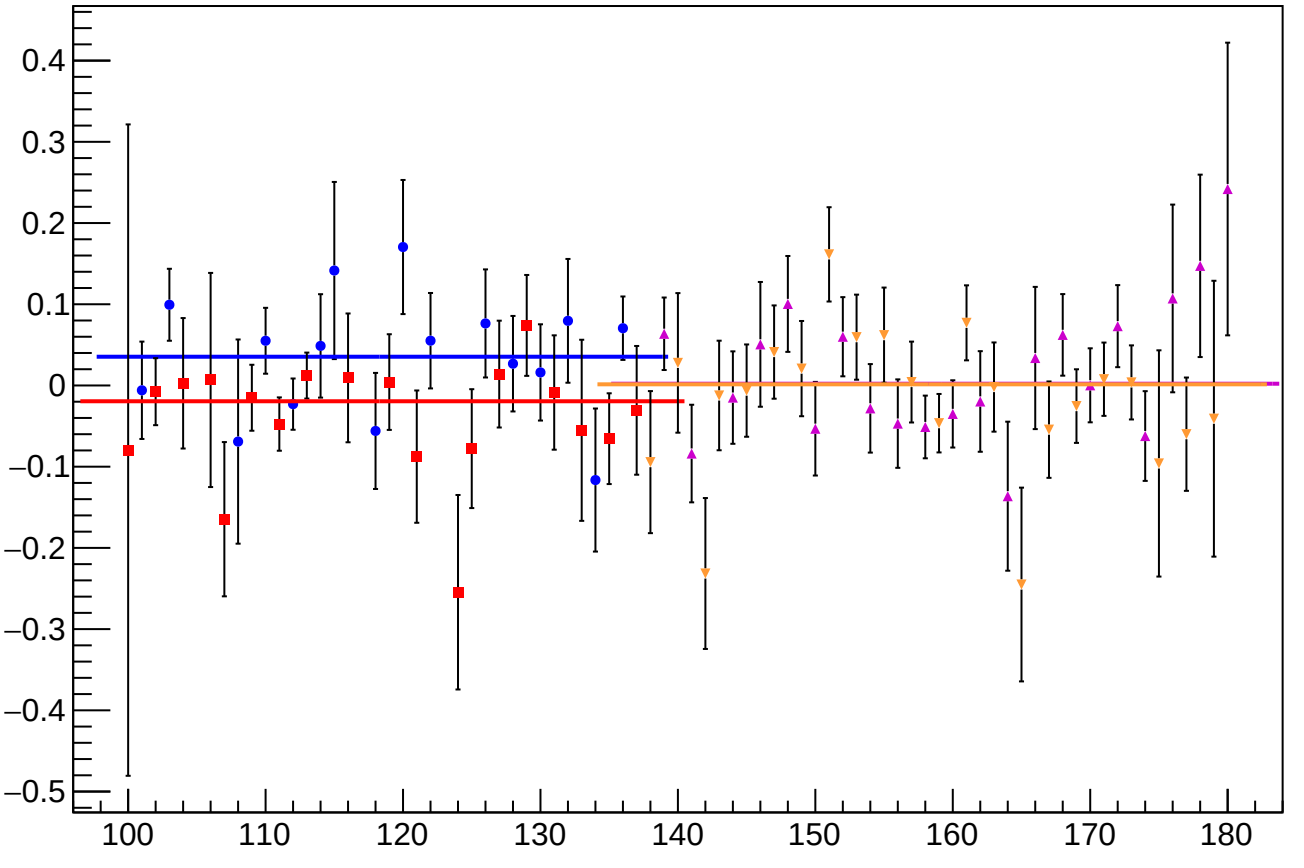
Left: 47.860+/-0.006 χ^2/NDF: 4613320.2/42

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.809+/-0.007 χ^2/NDF:4234584.9/36

Out: 40.632+/-0.006 χ^2/NDF:5754212.3/40

All: 41.204+/-0.005 χ^2/NDF: 10005413.9/77



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.012 χ^2/NDF:24.9/20

Left: 0.002+/-0.009 χ^2/NDF: 54.4/42

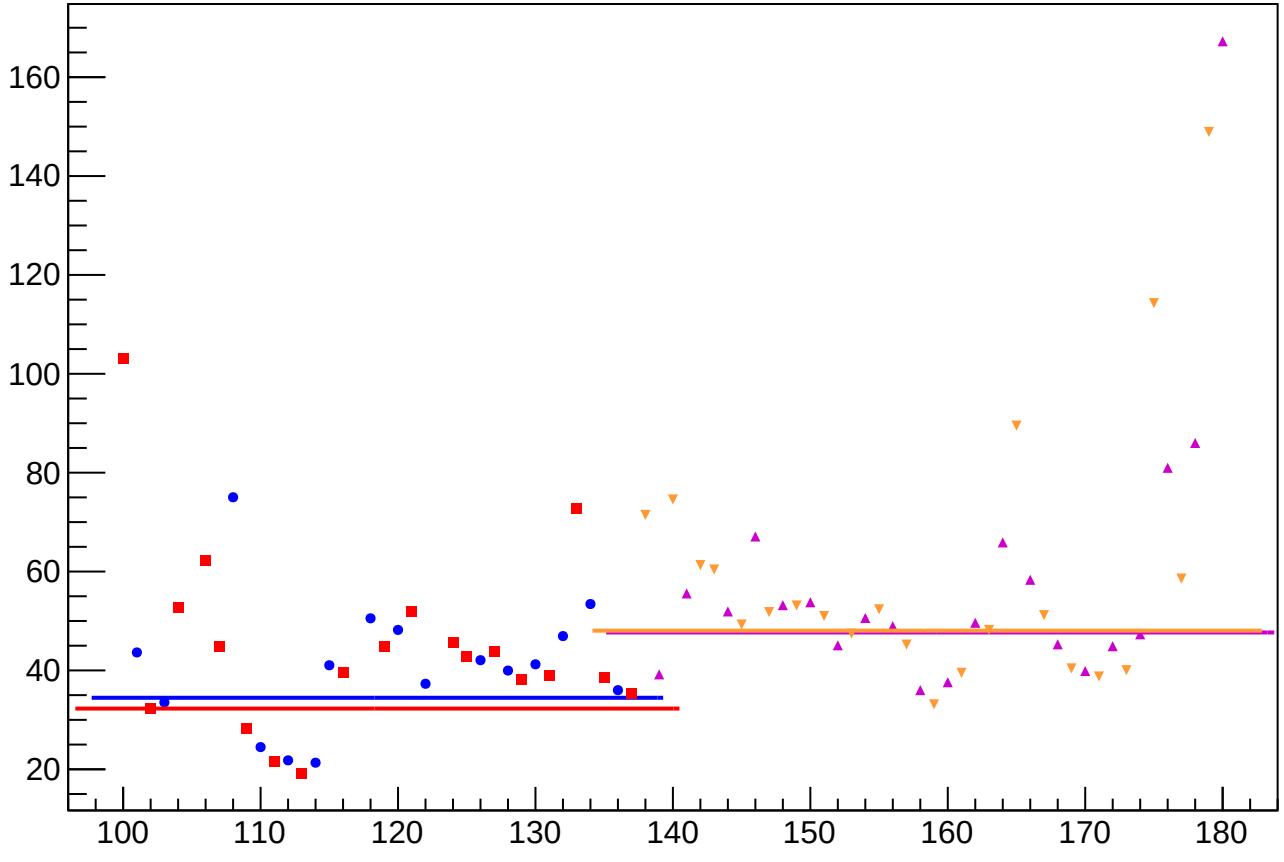
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:45.1/36

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 93.1/77

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.045+/-0.009 χ^2/NDF:2553757.2/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.673+/-0.009 χ^2/NDF:2058661.3/20

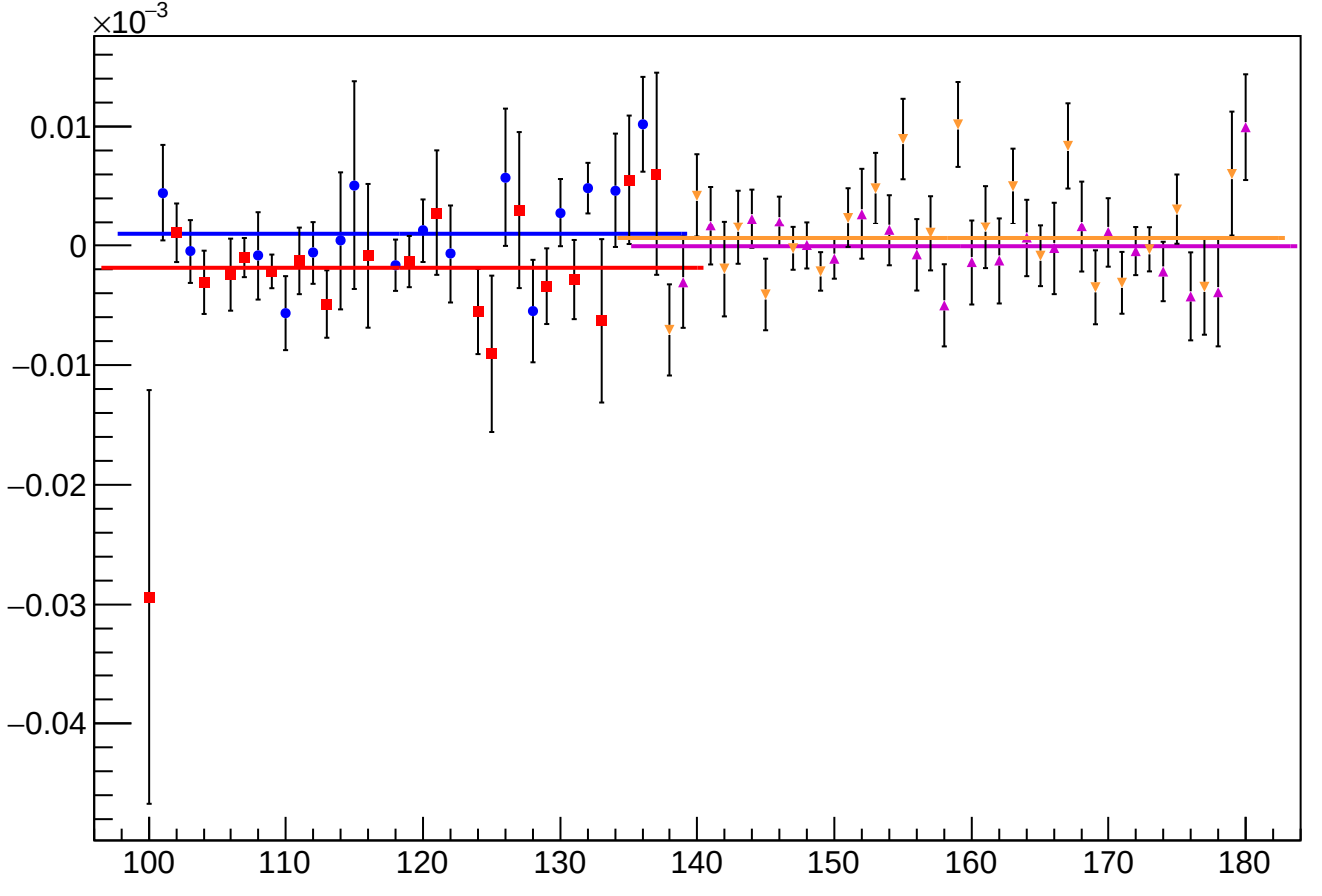
Left: 47.860+/-0.006 χ^2/NDF: 4613320.2/42

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.809+/-0.007 χ^2/NDF:4234584.9/36

Out: 40.632+/-0.006 χ^2/NDF:5754212.3/40

All: 41.204+/-0.005 χ^2/NDF: 10005413.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/20

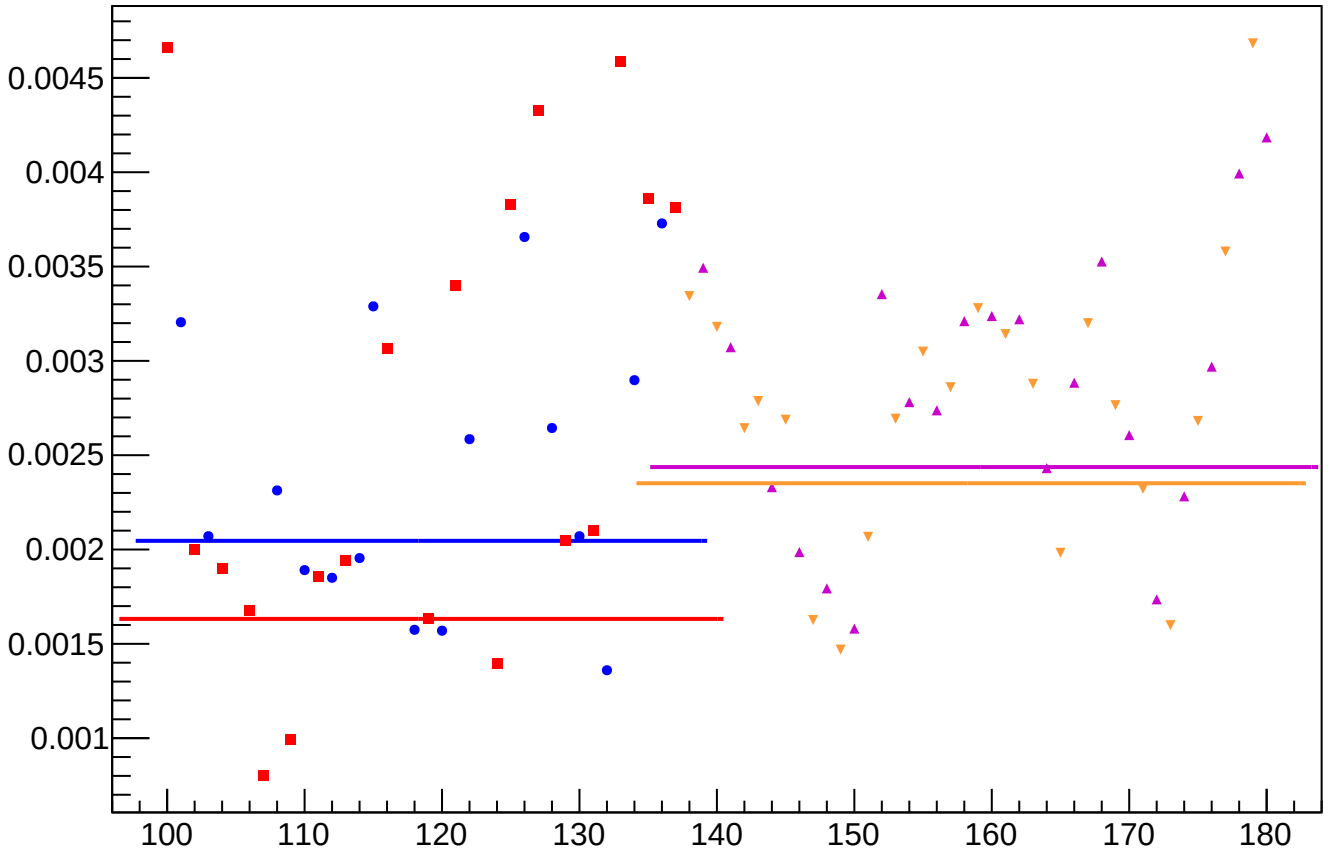
Left: 0.000+/-0.000 χ^2/NDF: 56.7/42

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:36.6/36

Out: -0.000+/-0.000 χ^2/NDF:62.1/40

All: -0.000+/-0.000 χ^2/NDF: 100.1/77



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2882162.5/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:2565539.7/20

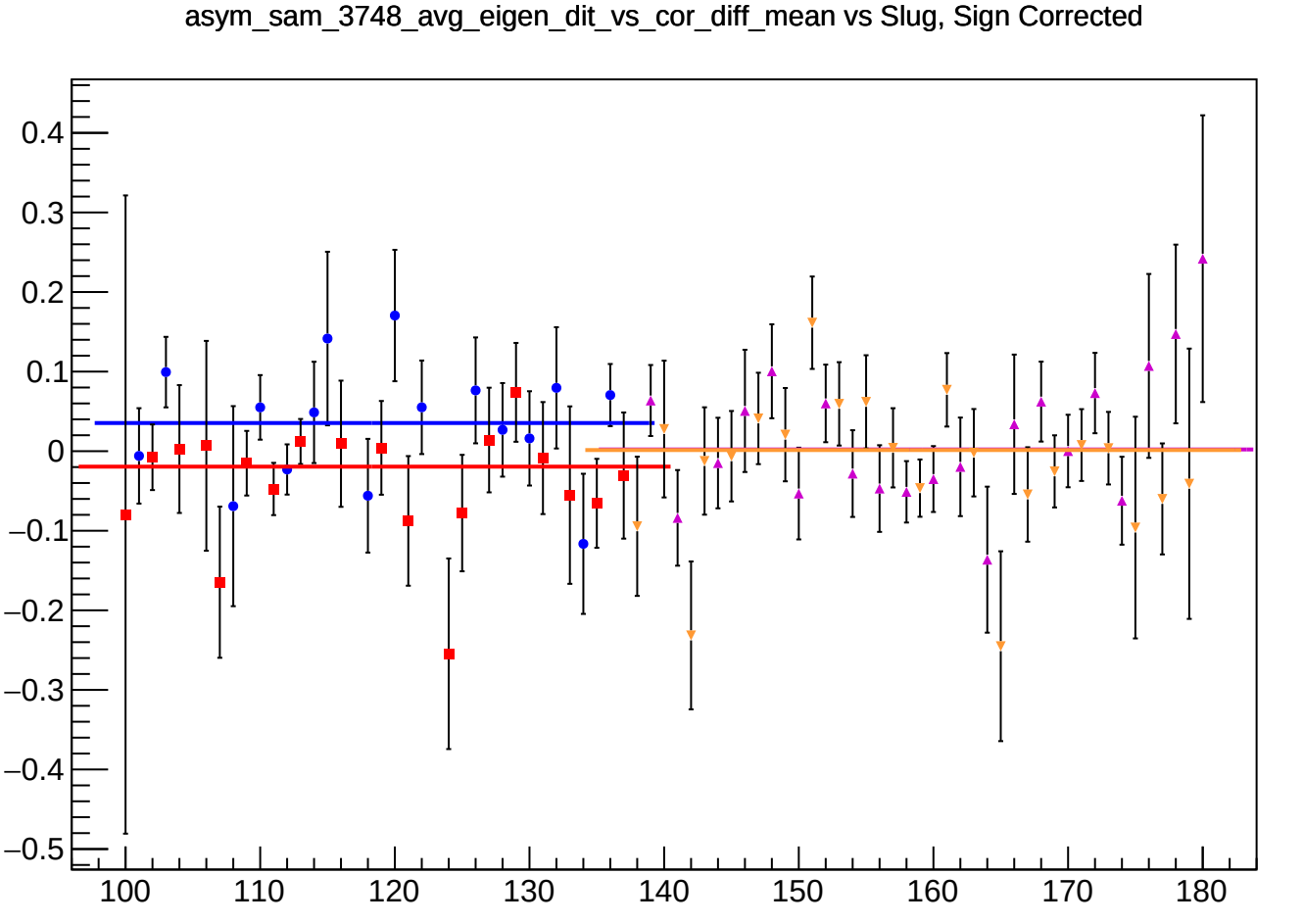
Left: 0.002+/-0.000 χ^2/NDF: 5467848.9/42

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

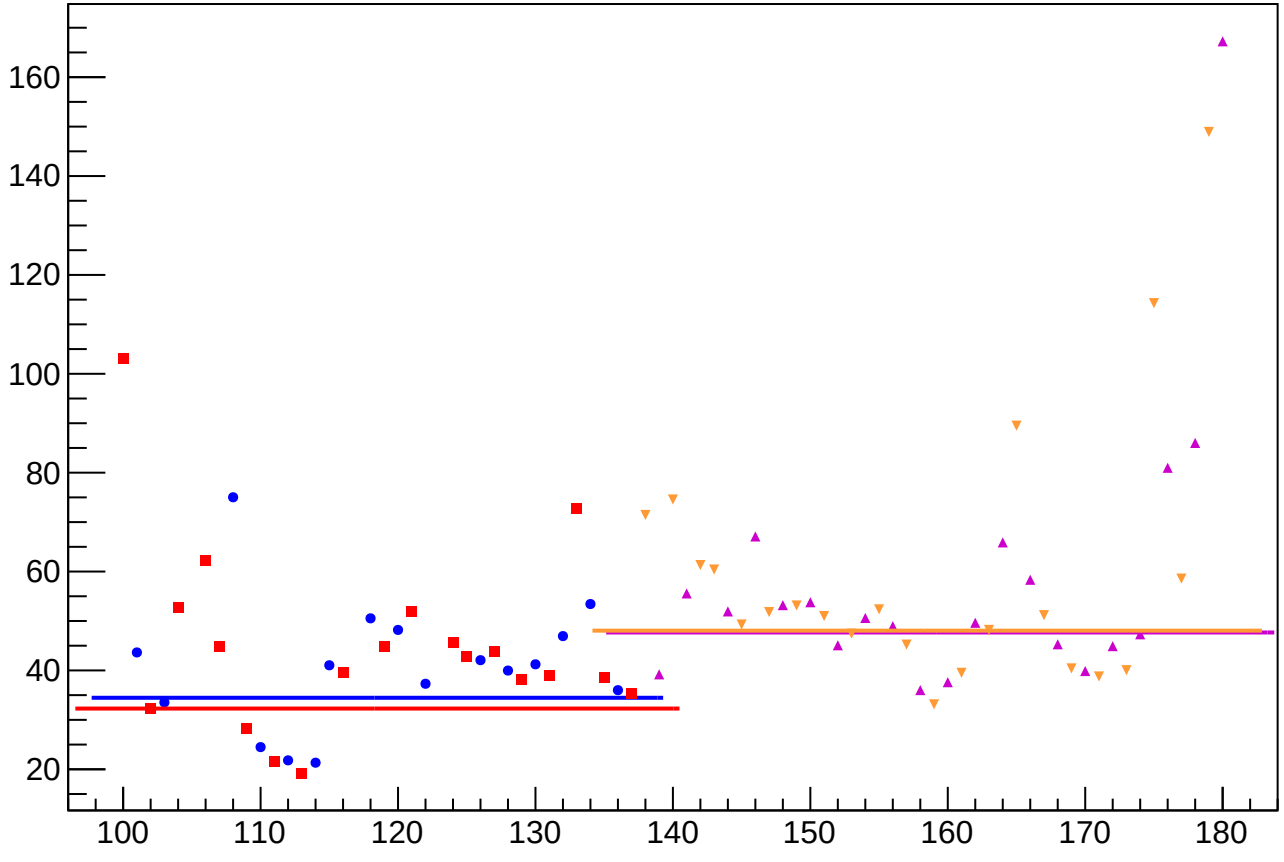
In: 0.002+/-0.000 χ^2/NDF:4121888.2/36

Out: 0.002+/-0.000 χ^2/NDF:7104918.0/40

All: 0.002+/-0.000 χ^2/NDF: 11528763.9/77


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.001+/-0.012 χ²/NDF:29.4/21
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.002+/-0.012 χ²/NDF:24.9/20
Left: 0.002+/-0.009 χ²/NDF: 54.4/42
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.017+/-0.009 χ²/NDF:45.1/36
Out: -0.008+/-0.009 χ²/NDF:44.2/40
All: 0.004+/-0.006 χ²/NDF: 93.1/77

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: 48.046+/-0.009 χ^2/NDF:2553749.5/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

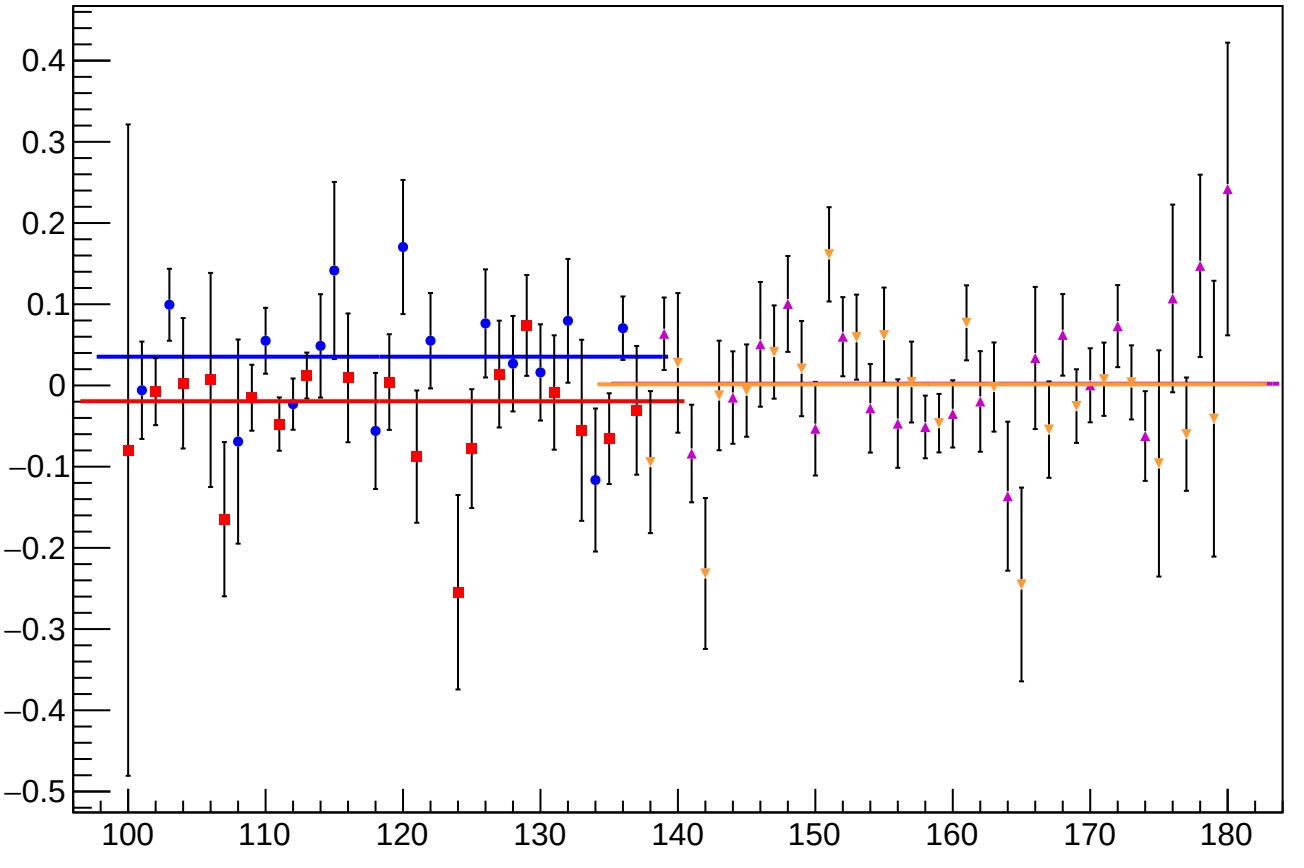
Left: 47.861+/-0.006 χ^2/NDF: 4613289.0/42

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.809+/-0.007 χ^2/NDF:4234527.8/36

Out: 40.632+/-0.006 χ^2/NDF:5754179.4/40

All: 41.204+/-0.005 χ^2/NDF: 10005323.0/77



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.012 χ^2/NDF:24.9/20

Left: 0.002+/-0.009 χ^2/NDF: 54.4/42

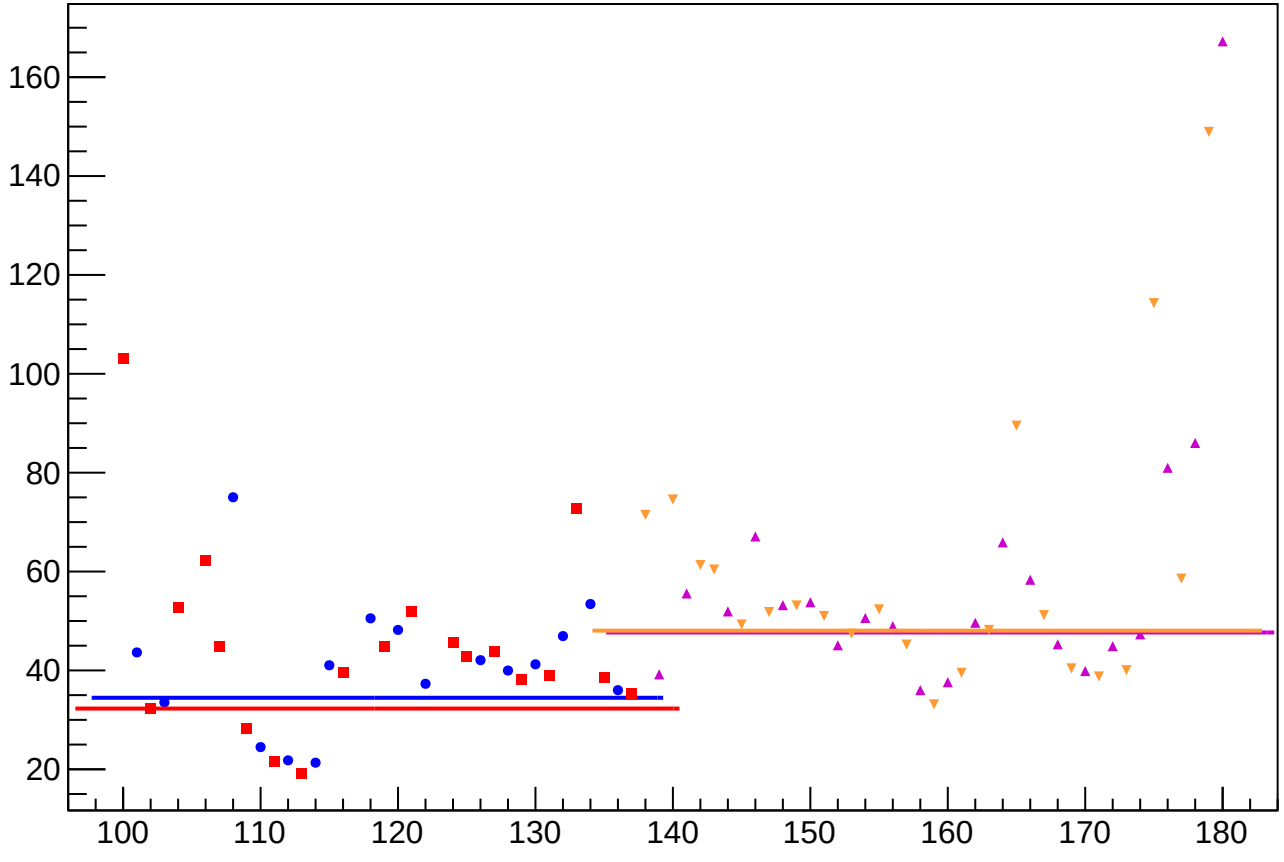
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:45.1/36

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 93.1/77

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.046+/-0.009 χ^2/NDF:2553749.5/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.674+/-0.009 χ^2/NDF:2058637.7/20

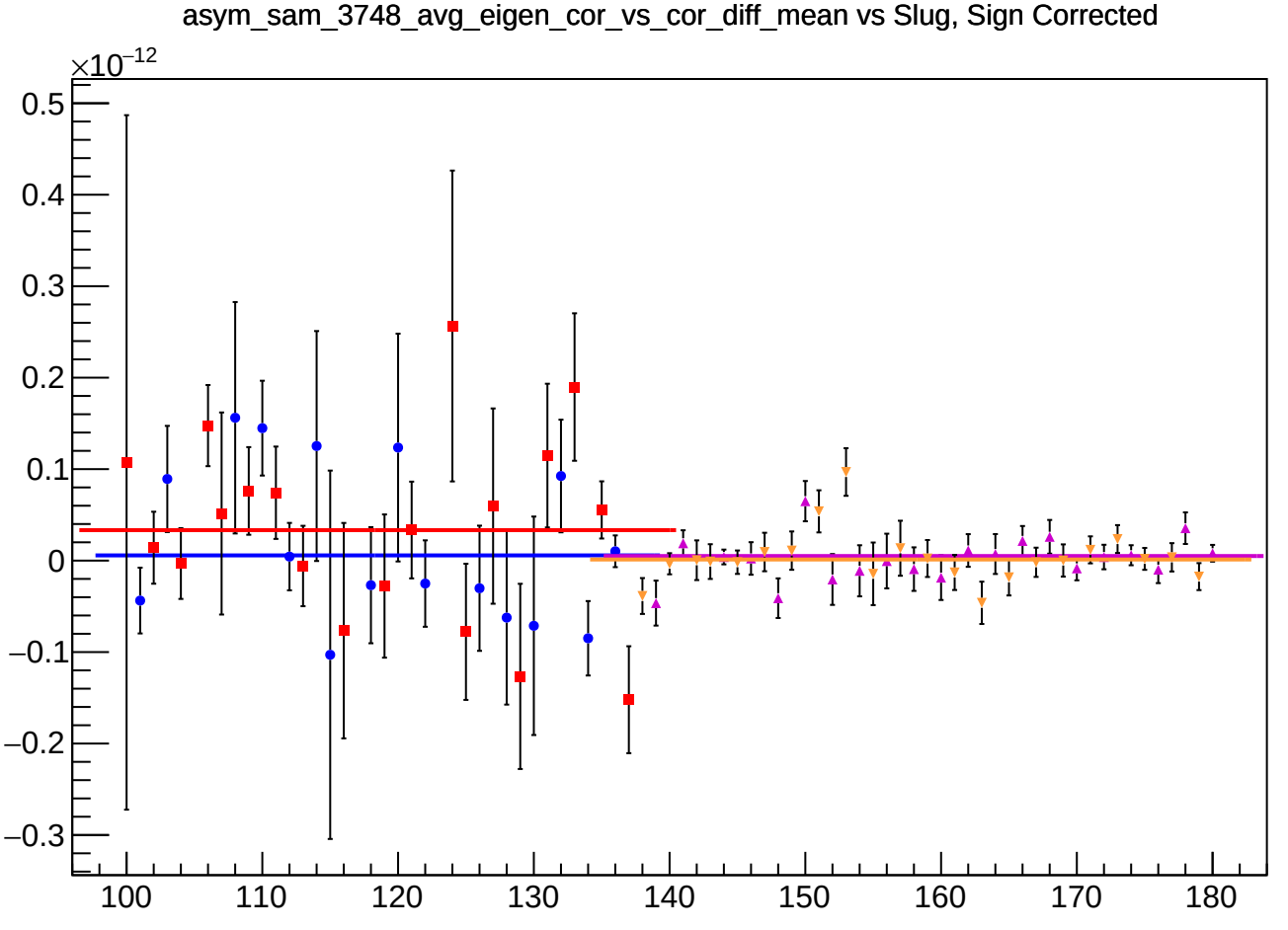
Left: 47.861+/-0.006 χ^2/NDF: 4613289.0/42

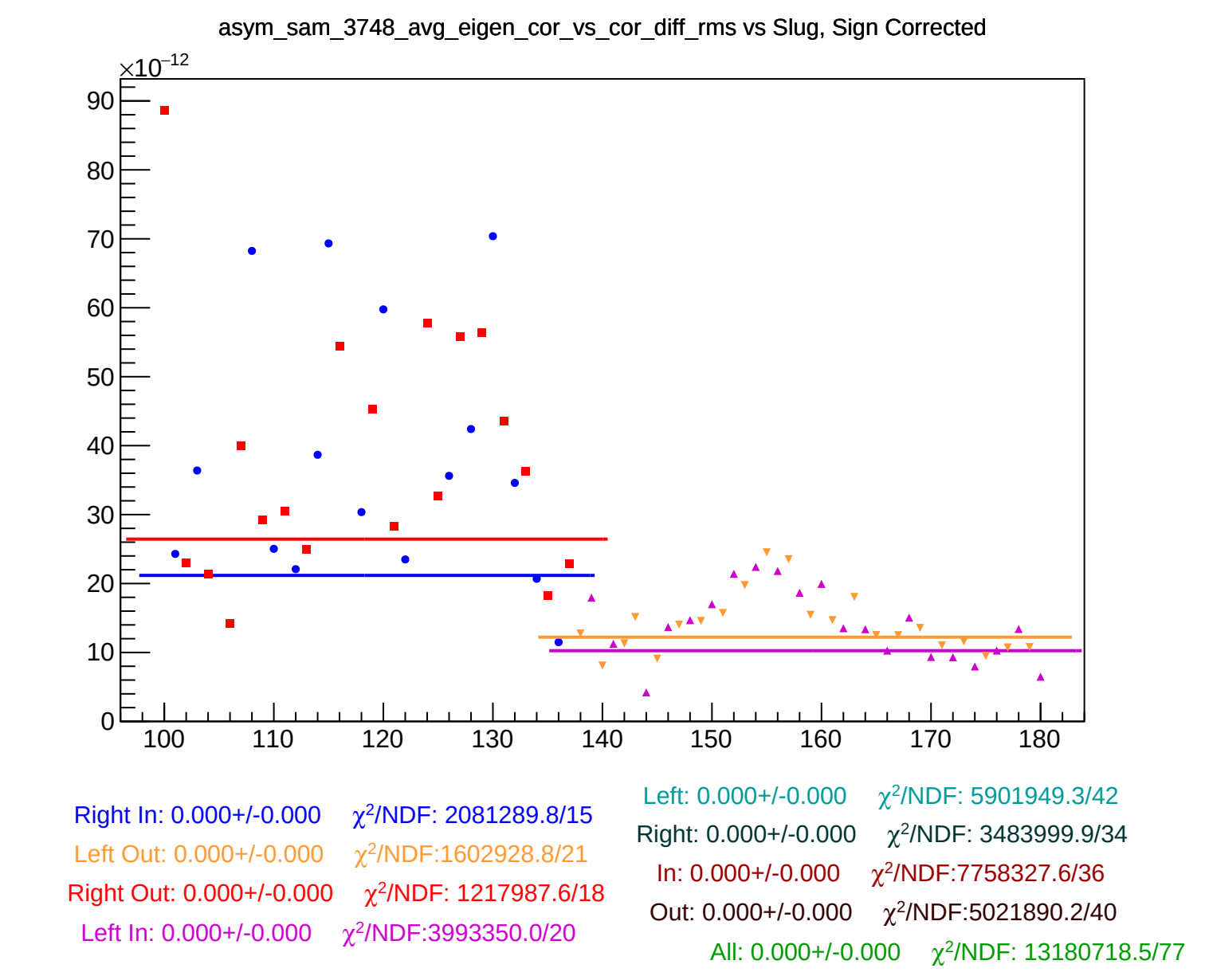
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

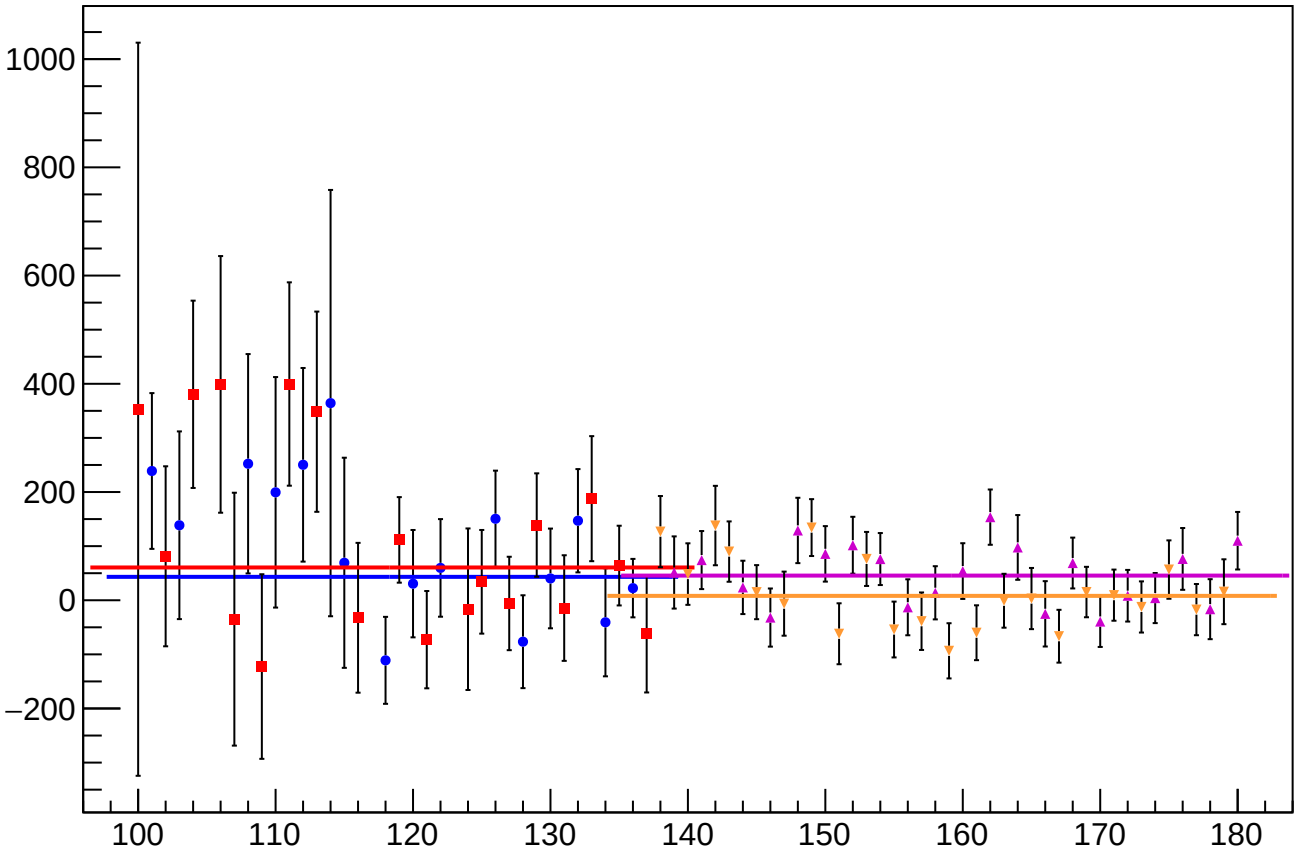
In: 41.809+/-0.007 χ^2/NDF:4234527.8/36

Out: 40.632+/-0.006 χ^2/NDF:5754179.4/40

All: 41.204+/-0.005 χ^2/NDF: 10005323.0/77


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:33.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:27.6/20
Left: 0.000+/-0.000 χ²/NDF: 62.1/42
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:51.2/36
Out: 0.000+/-0.000 χ²/NDF:73.0/40
All: 0.000+/-0.000 χ²/NDF: 124.3/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1602928.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3993350.0/20
Left: 0.000+/-0.000 χ²/NDF: 5901949.3/42
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7758327.6/36
Out: 0.000+/-0.000 χ²/NDF:5021890.2/40
All: 0.000+/-0.000 χ²/NDF: 13180718.5/77



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.116+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 45.577+/-11.409 χ^2/NDF:22.9/20

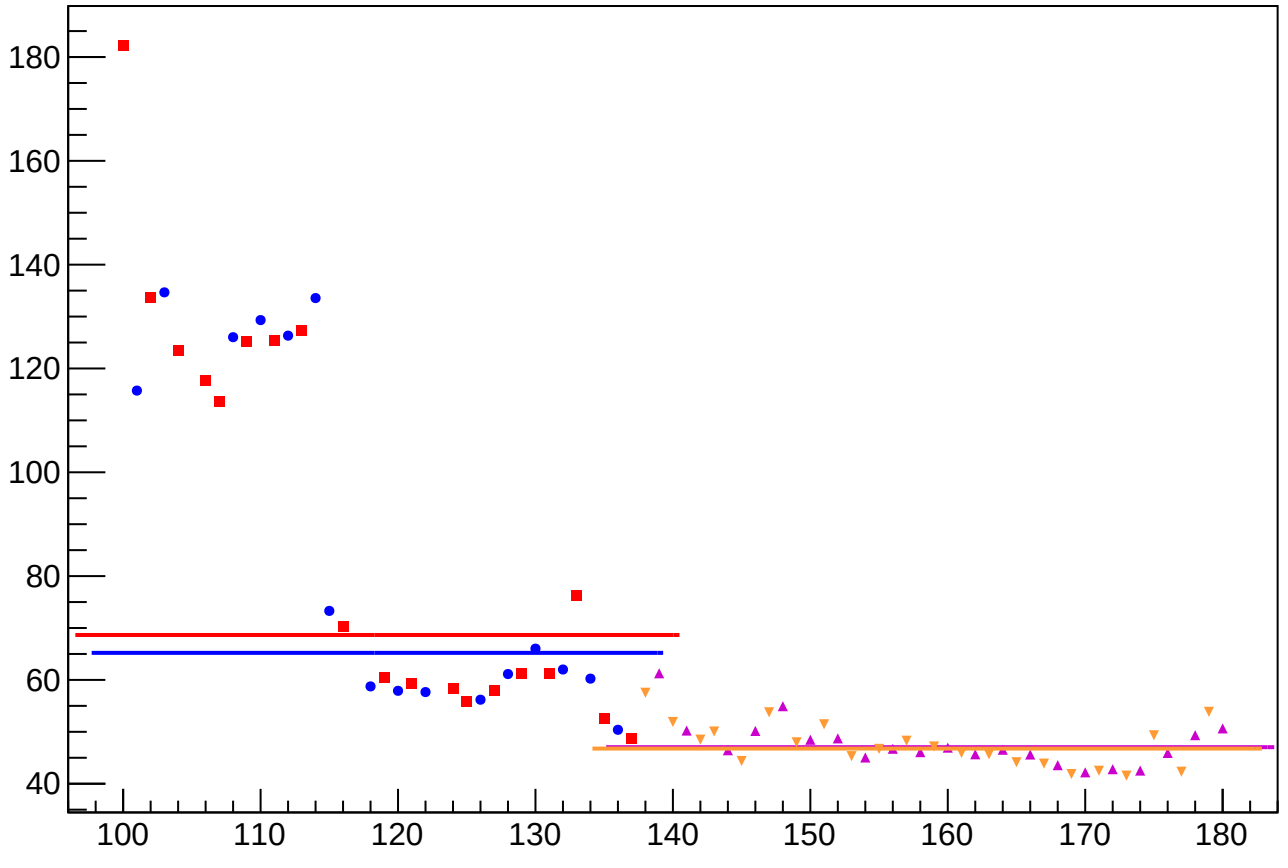
Left: 26.612+/-8.017 χ^2/NDF: 58.4/42

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 45.196+/-10.433 χ^2/NDF:37.9/36

Out: 15.950+/-10.392 χ^2/NDF:53.7/40

All: 30.515+/-7.363 χ^2/NDF: 95.5/77



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

Left: 46.905+/-0.006 χ^2/NDF: 485468.8/42

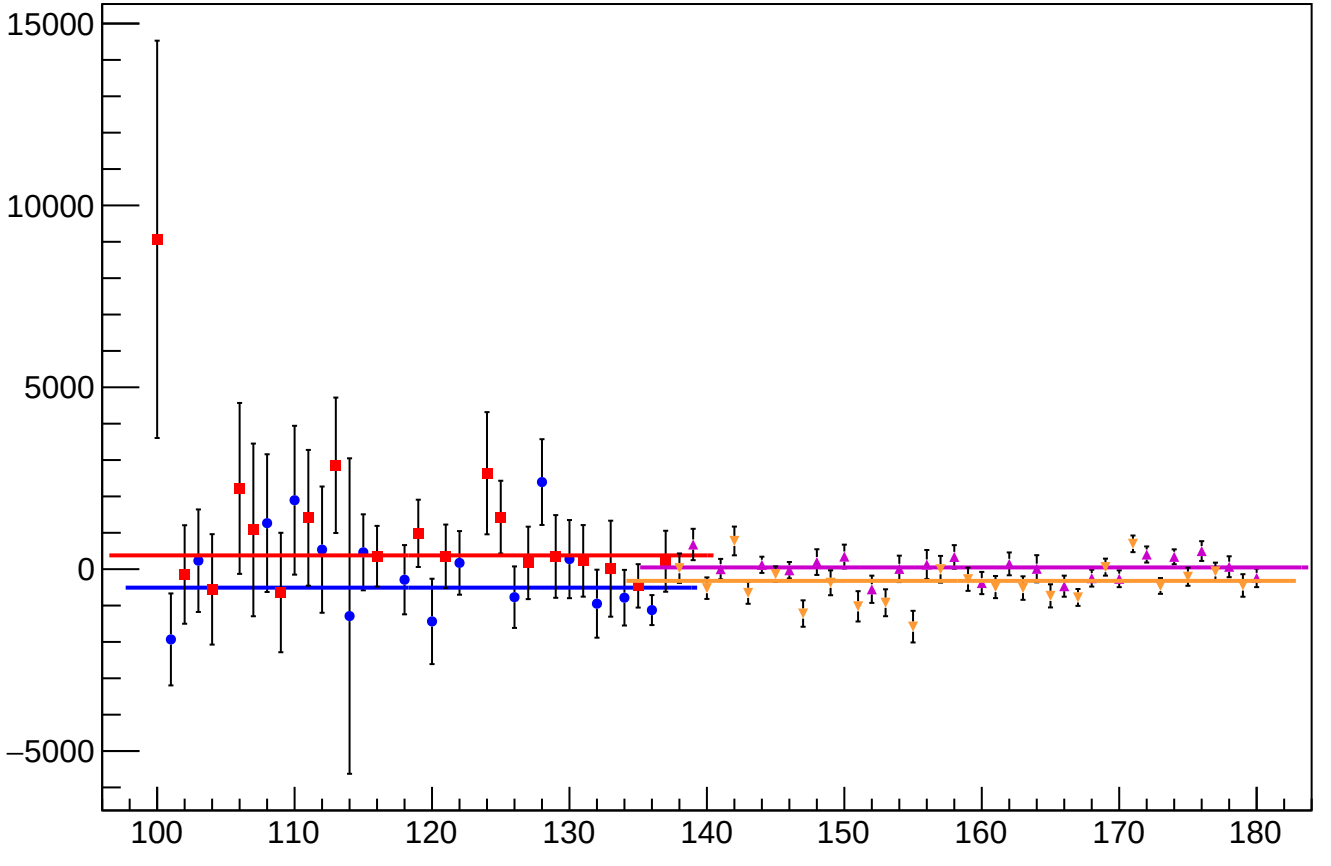
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.016+/-0.007 χ^2/NDF:2508101.8/36

Out: 50.041+/-0.007 χ^2/NDF:3021615.3/40

All: 50.028+/-0.005 χ^2/NDF: 5529723.2/77

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.788+/-61.958 χ^2/NDF:62.3/21

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 48.144+/-61.056 χ^2/NDF:24.1/20

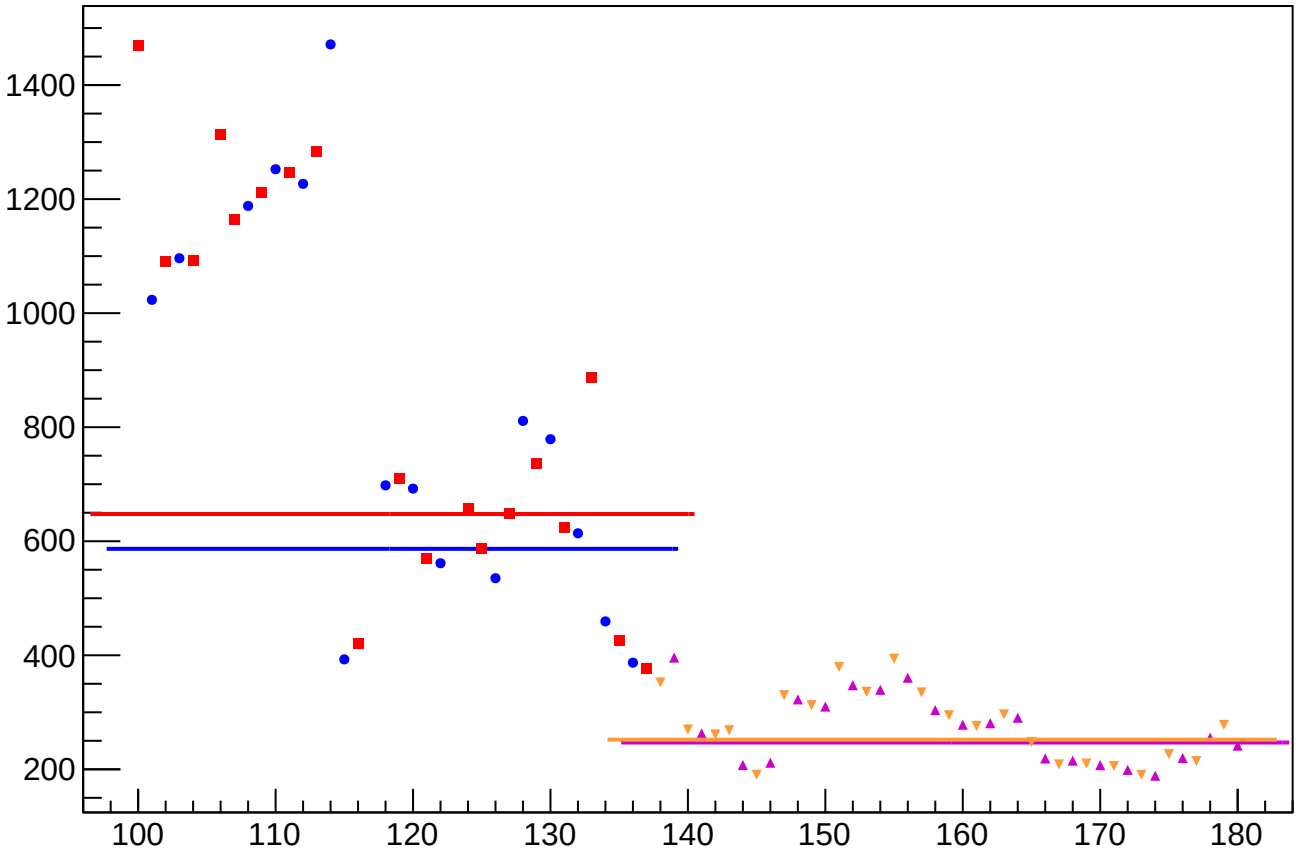
Left: -134.111+/-43.489 χ^2/NDF: 104.5/42

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 13.520+/-59.125 χ^2/NDF:44.9/36

Out: -283.132+/-60.225 χ^2/NDF:81.1/40

All: -132.073+/-42.191 χ^2/NDF: 138.4/77



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 251.981+/-0.044 χ^2/NDF:1613444.3/21

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 246.986+/-0.043 χ^2/NDF:1483593.3/20

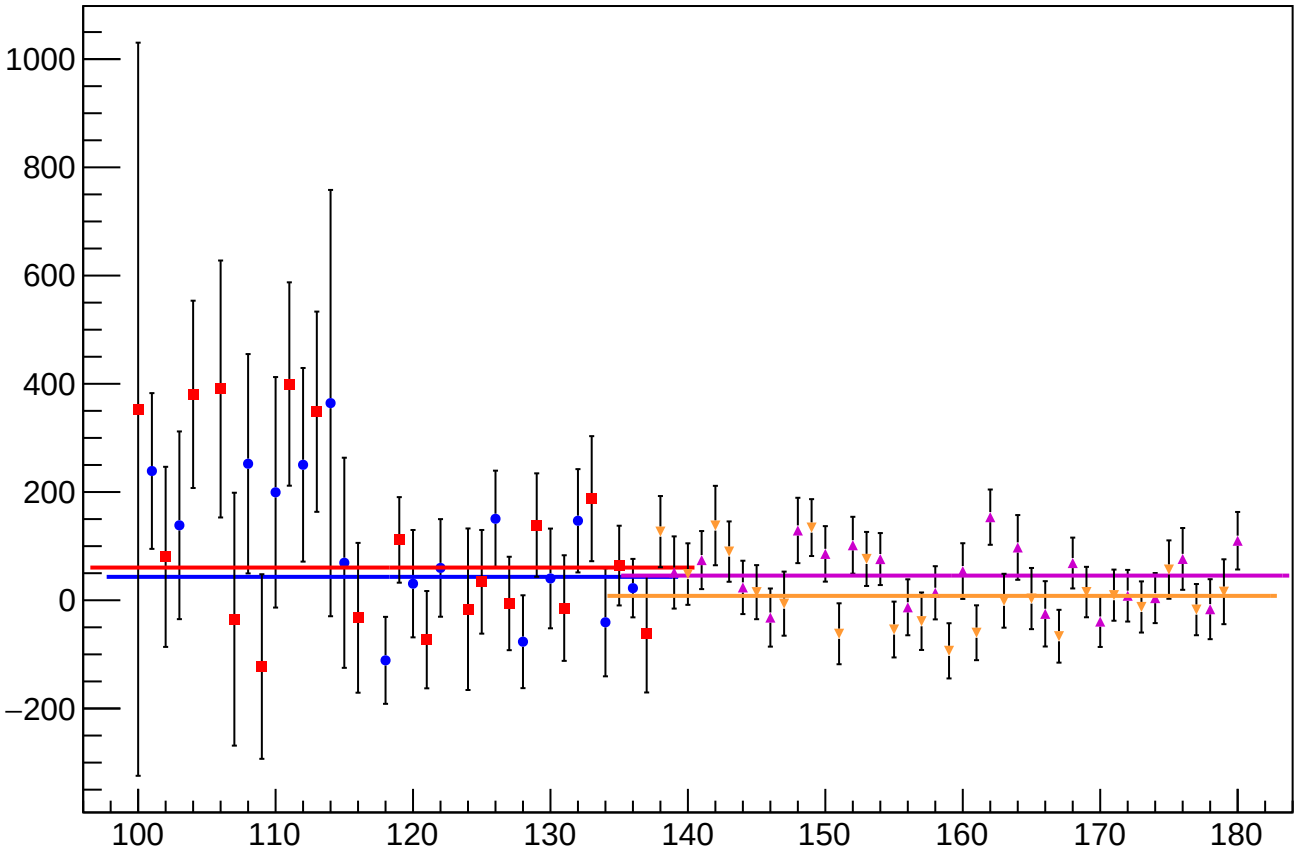
Left: 249.447+/-0.031 χ^2/NDF: 3103630.4/42

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 268.136+/-0.042 χ^2/NDF:7390635.4/36

Out: 273.814+/-0.043 χ^2/NDF:8220796.6/40

All: 270.922+/-0.030 χ^2/NDF: 15620485.5/77



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.576+/-11.409 χ^2/NDF:22.9/20

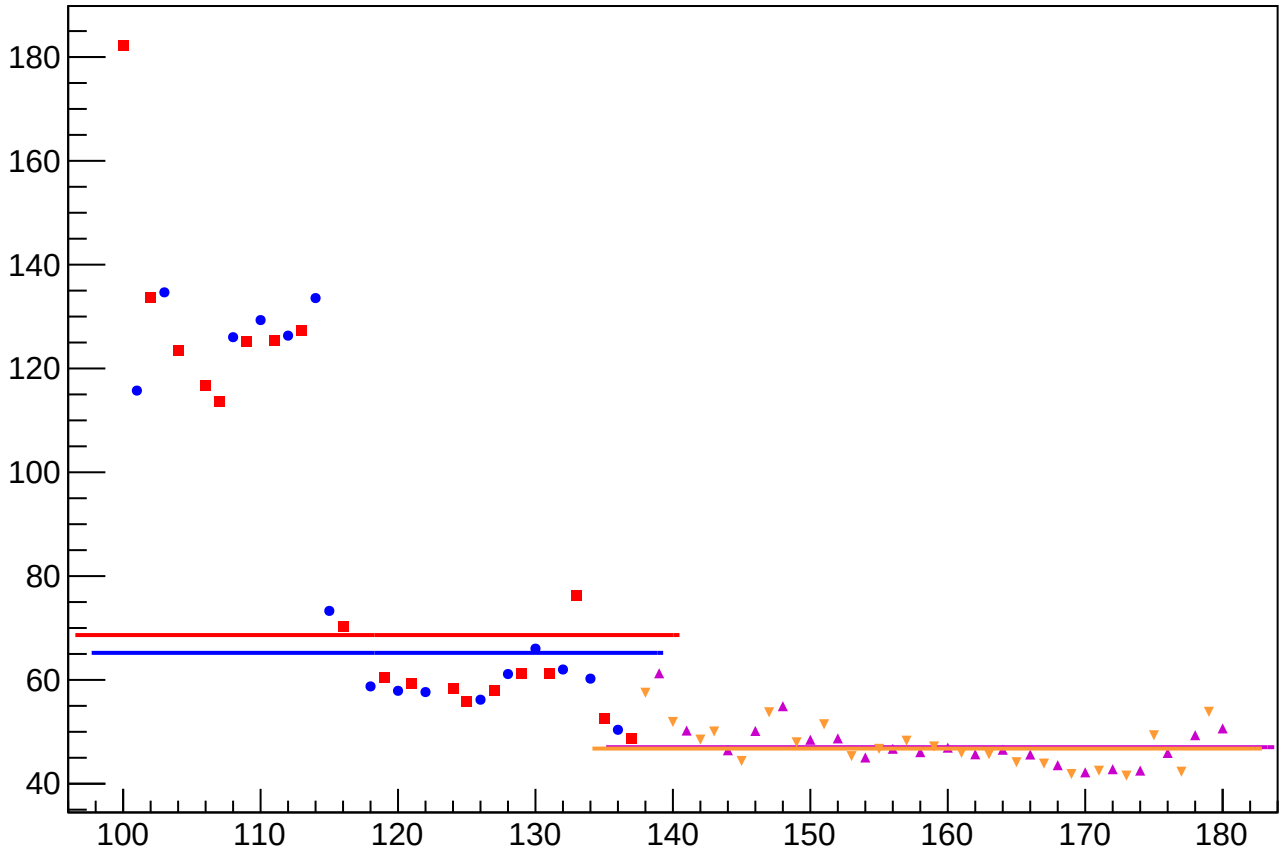
Left: 26.612+/-8.017 χ^2/NDF: 58.4/42

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 45.193+/-10.433 χ^2/NDF:37.9/36

Out: 15.927+/-10.392 χ^2/NDF:53.5/40

All: 30.503+/-7.363 χ^2/NDF: 95.4/77



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

Left: 46.905+/-0.006 χ^2/NDF: 485468.8/42

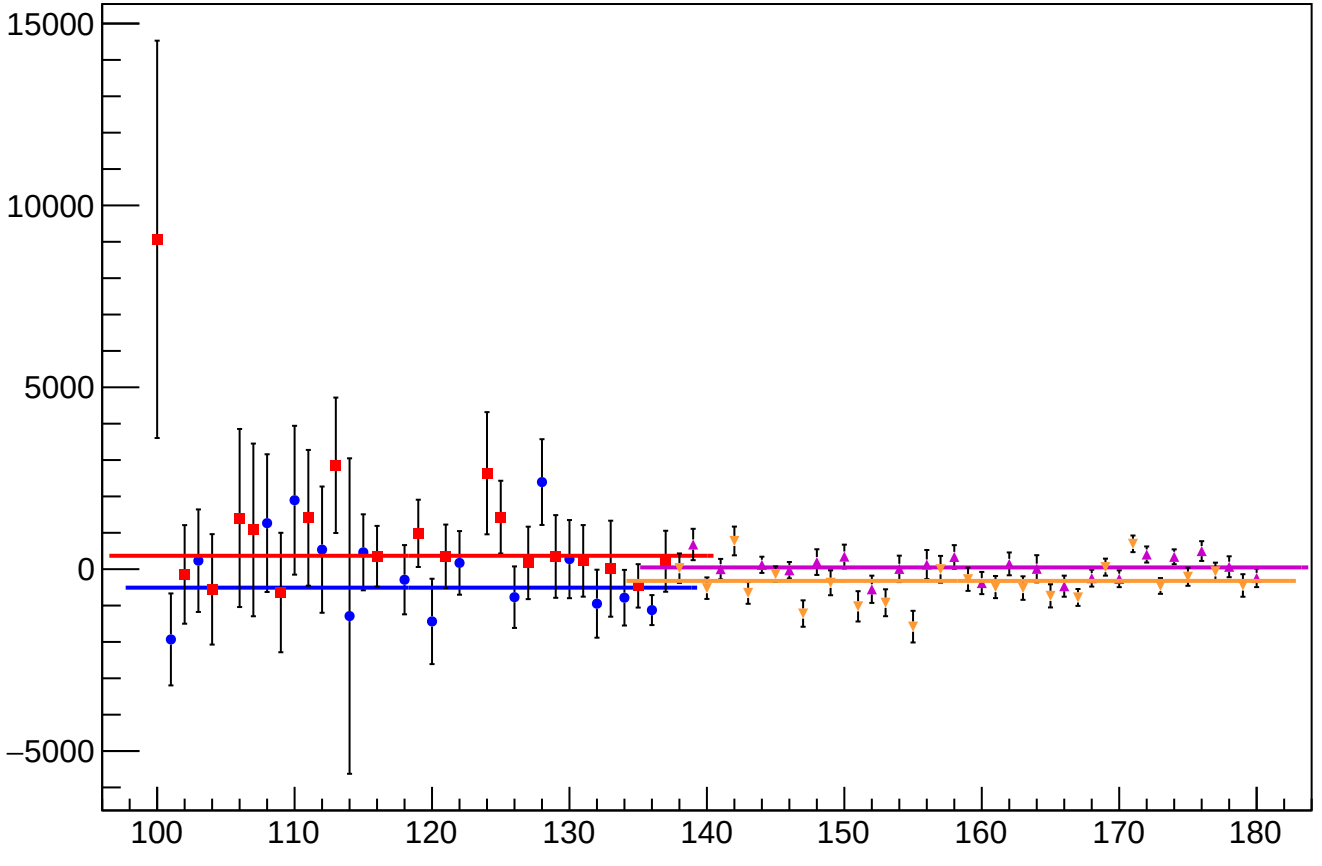
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.016+/-0.007 χ^2/NDF:2508103.8/36

Out: 50.039+/-0.007 χ^2/NDF:3016733.8/40

All: 50.027+/-0.005 χ^2/NDF: 5524842.7/77

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: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 48.141+/-61.056 χ^2/NDF:24.1/20

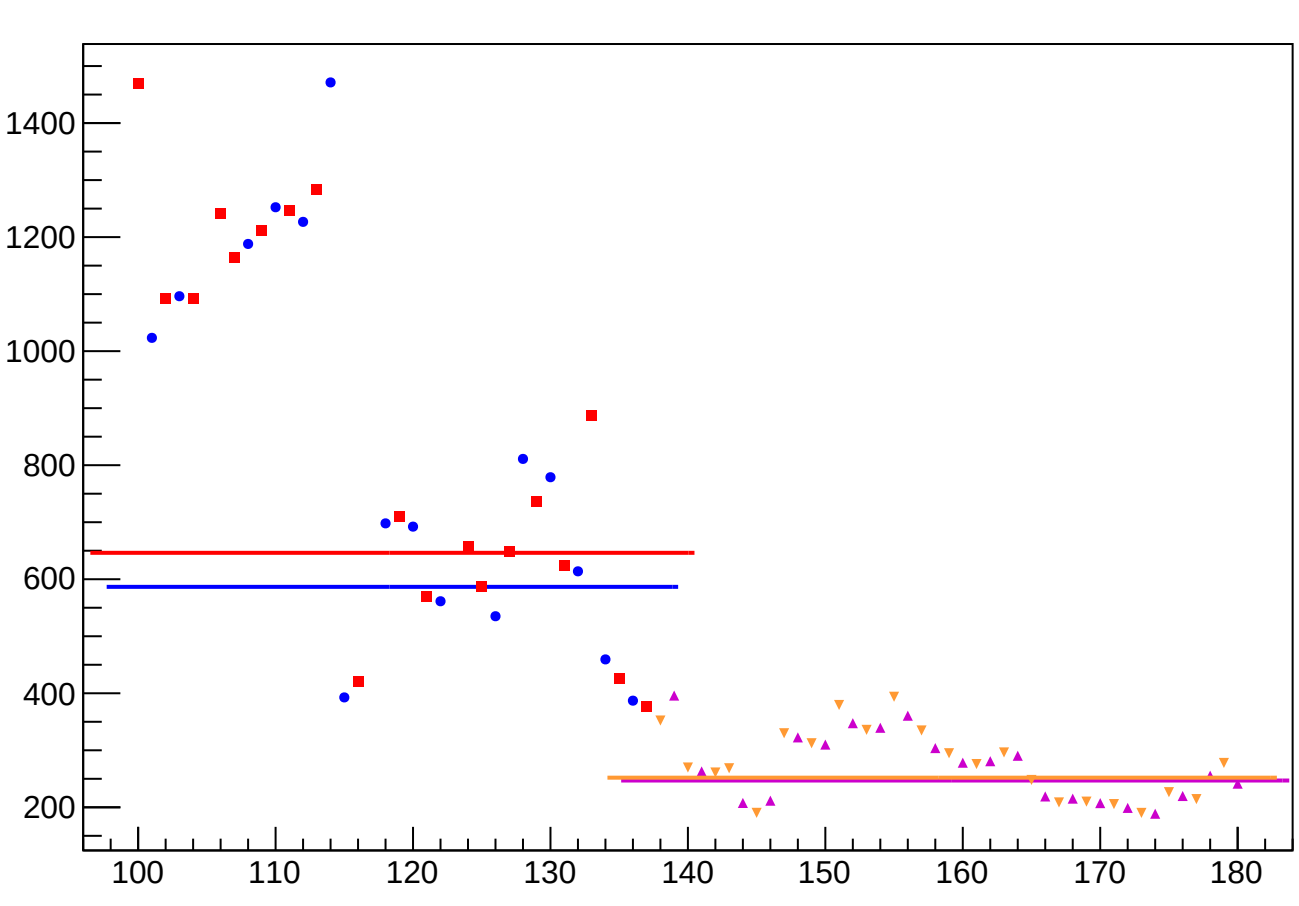
Left: -134.111+/-43.489 χ^2/NDF: 104.5/42

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 13.518+/-59.125 χ^2/NDF:44.9/36

Out: -283.748+/-60.226 χ^2/NDF:80.4/40

All: -132.372+/-42.192 χ^2/NDF: 137.8/77



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

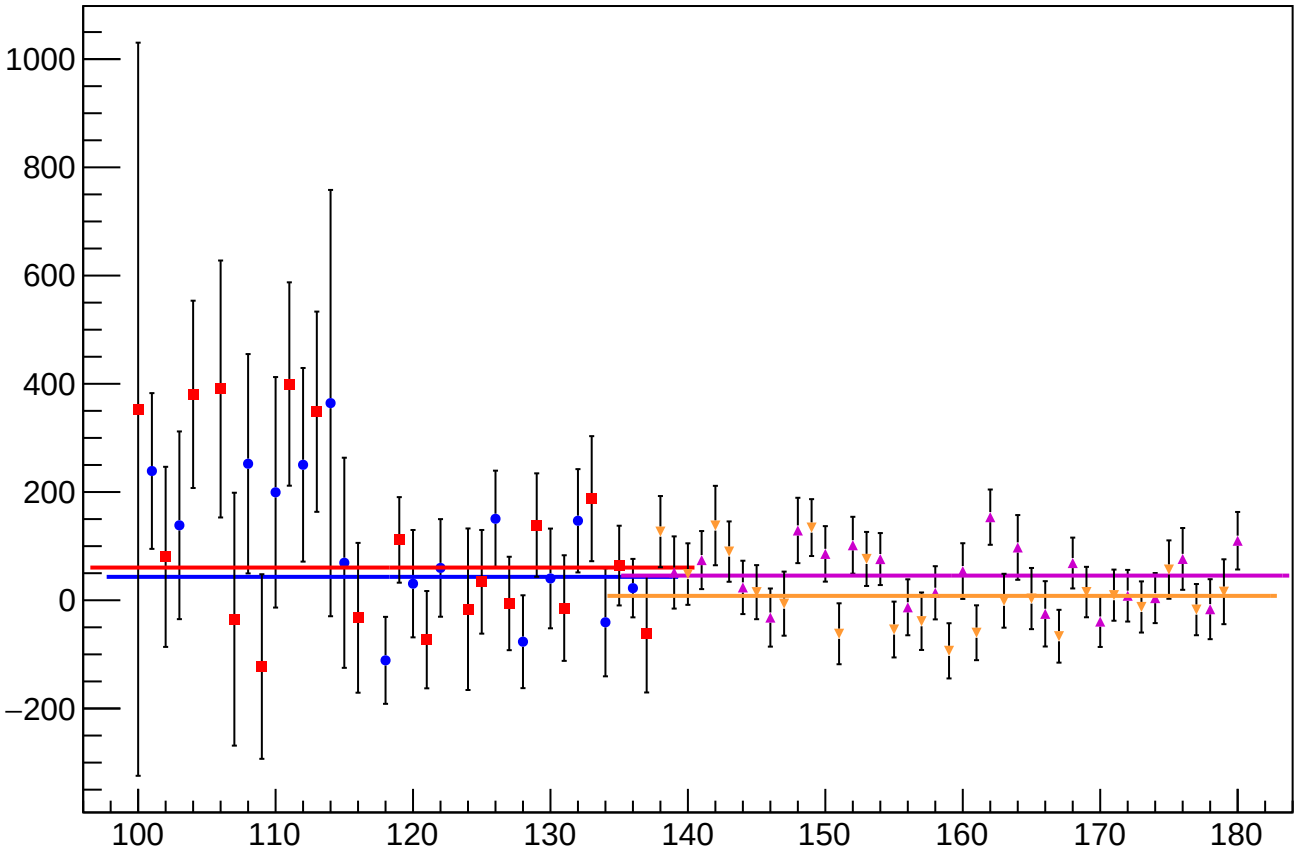
Left: 249.447+/-0.031 χ^2/NDF: 3103635.8/42

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 268.136+/-0.042 χ^2/NDF:7390646.6/36

Out: 273.715+/-0.043 χ^2/NDF:8142208.1/40

All: 270.874+/-0.030 χ^2/NDF: 15541596.9/77



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.576+/-11.409 χ^2/NDF:22.9/20

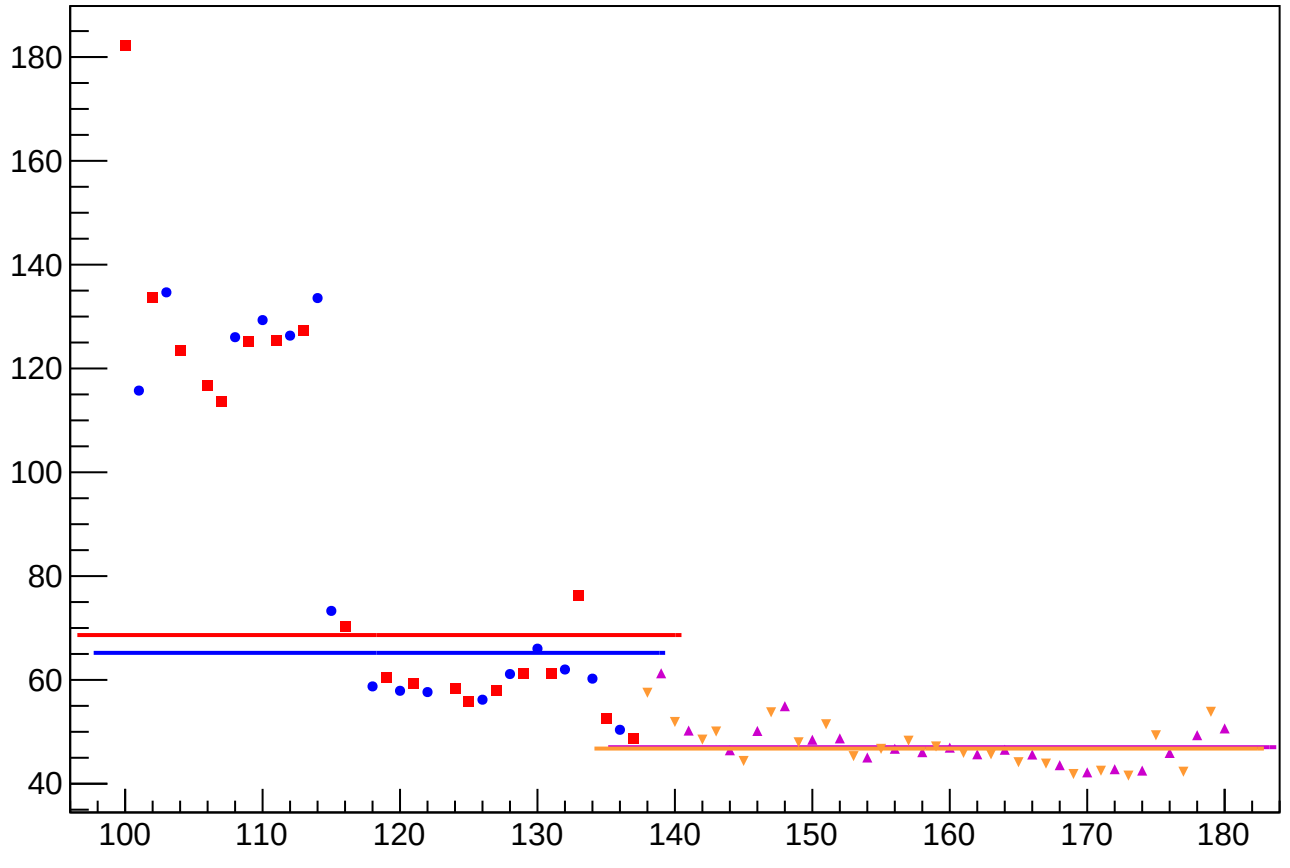
Left: 26.612+/-8.017 χ^2/NDF: 58.4/42

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 45.193+/-10.433 χ^2/NDF:37.9/36

Out: 15.927+/-10.392 χ^2/NDF:53.5/40

All: 30.503+/-7.363 χ^2/NDF: 95.4/77



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.039+/-0.008 χ^2/NDF:230544.8/20

Left: 46.905+/-0.006 χ^2/NDF: 485468.8/42

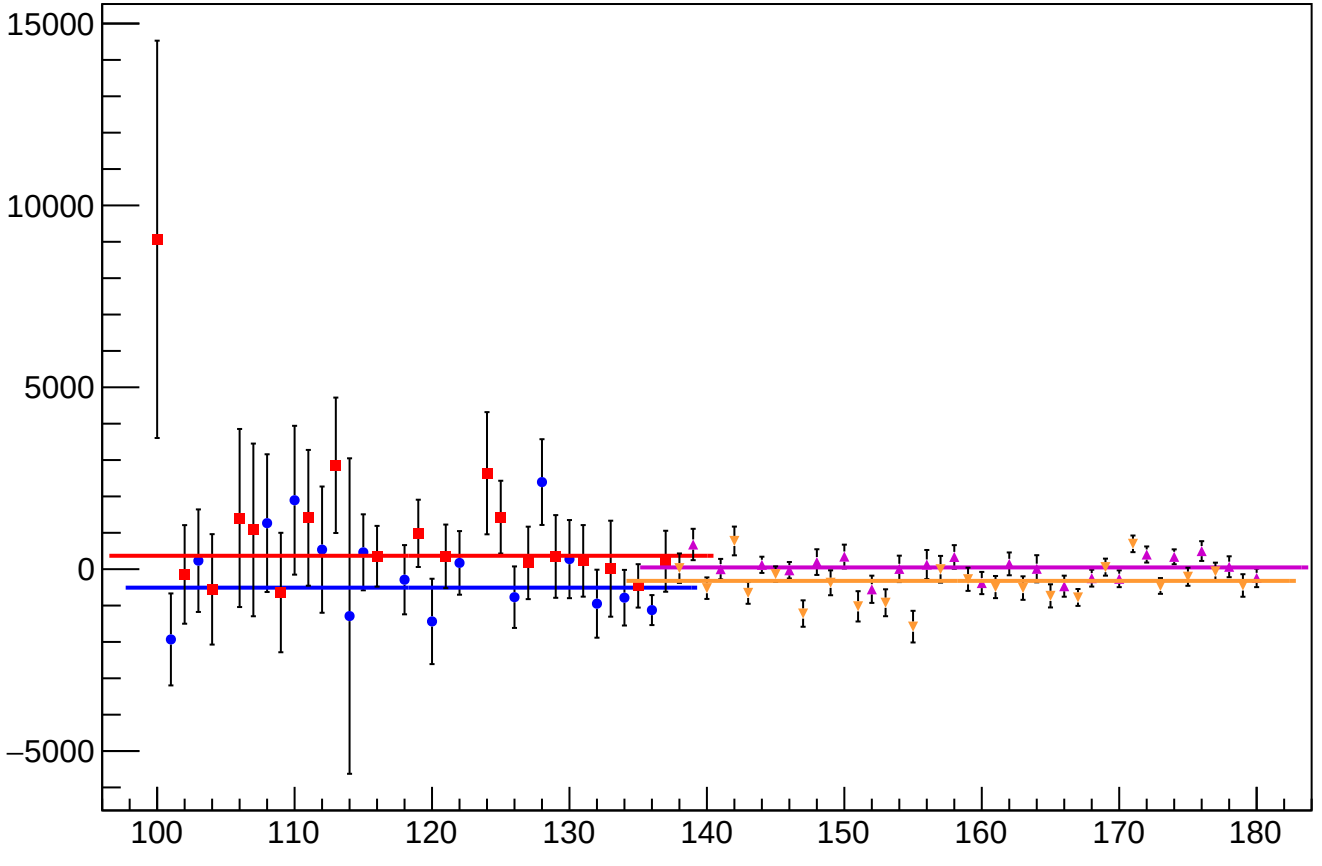
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.016+/-0.007 χ^2/NDF:2508103.8/36

Out: 50.039+/-0.007 χ^2/NDF:3016733.8/40

All: 50.027+/-0.005 χ^2/NDF: 5524842.7/77

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 48.141+/-61.056 χ^2/NDF:24.1/20

Left: -134.111+/-43.489 χ^2/NDF: 104.5/42

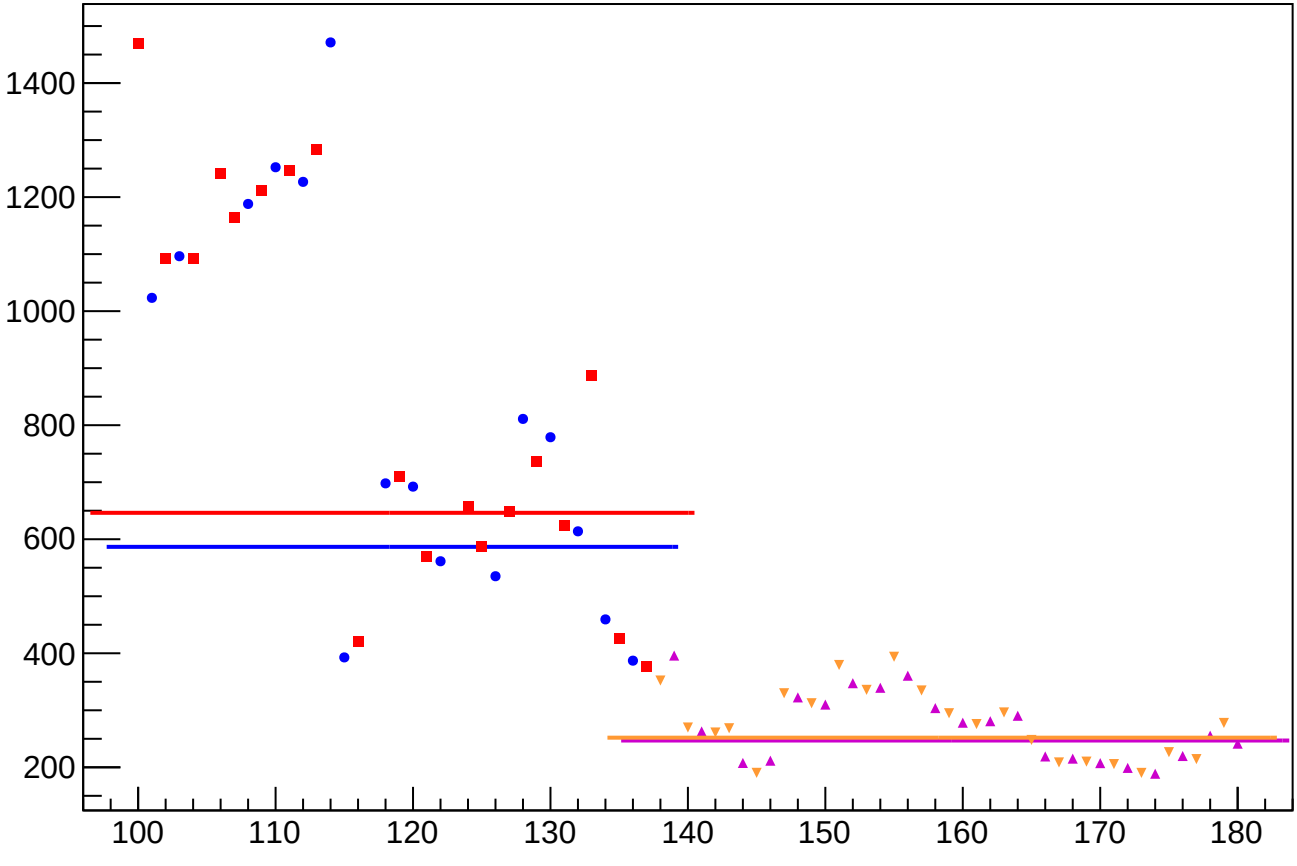
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 13.518+/-59.125 χ^2/NDF:44.9/36

Out: -283.748+/-60.226 χ^2/NDF:80.4/40

All: -132.372+/-42.192 χ^2/NDF: 137.8/77

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.987+/-0.043 χ^2/NDF:1483588.0/20

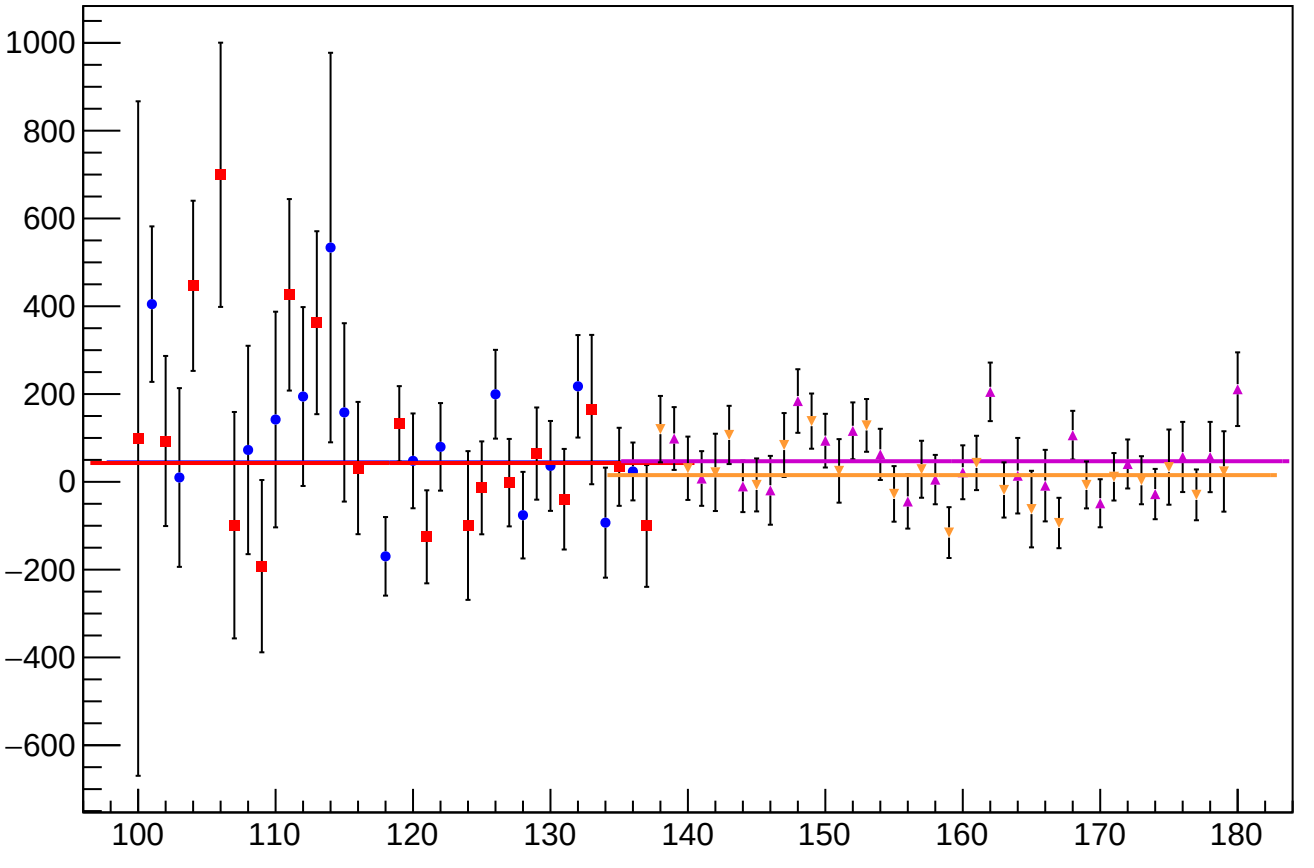
Left: 249.447+/-0.031 χ^2/NDF: 3103635.8/42

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 268.136+/-0.042 χ^2/NDF:7390646.6/36

Out: 273.715+/-0.043 χ^2/NDF:8142208.1/40

All: 270.874+/-0.030 χ^2/NDF: 15541596.9/77



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.335+/-13.841 χ^2/NDF:23.7/21

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.985+/-14.159 χ^2/NDF:26.9/20

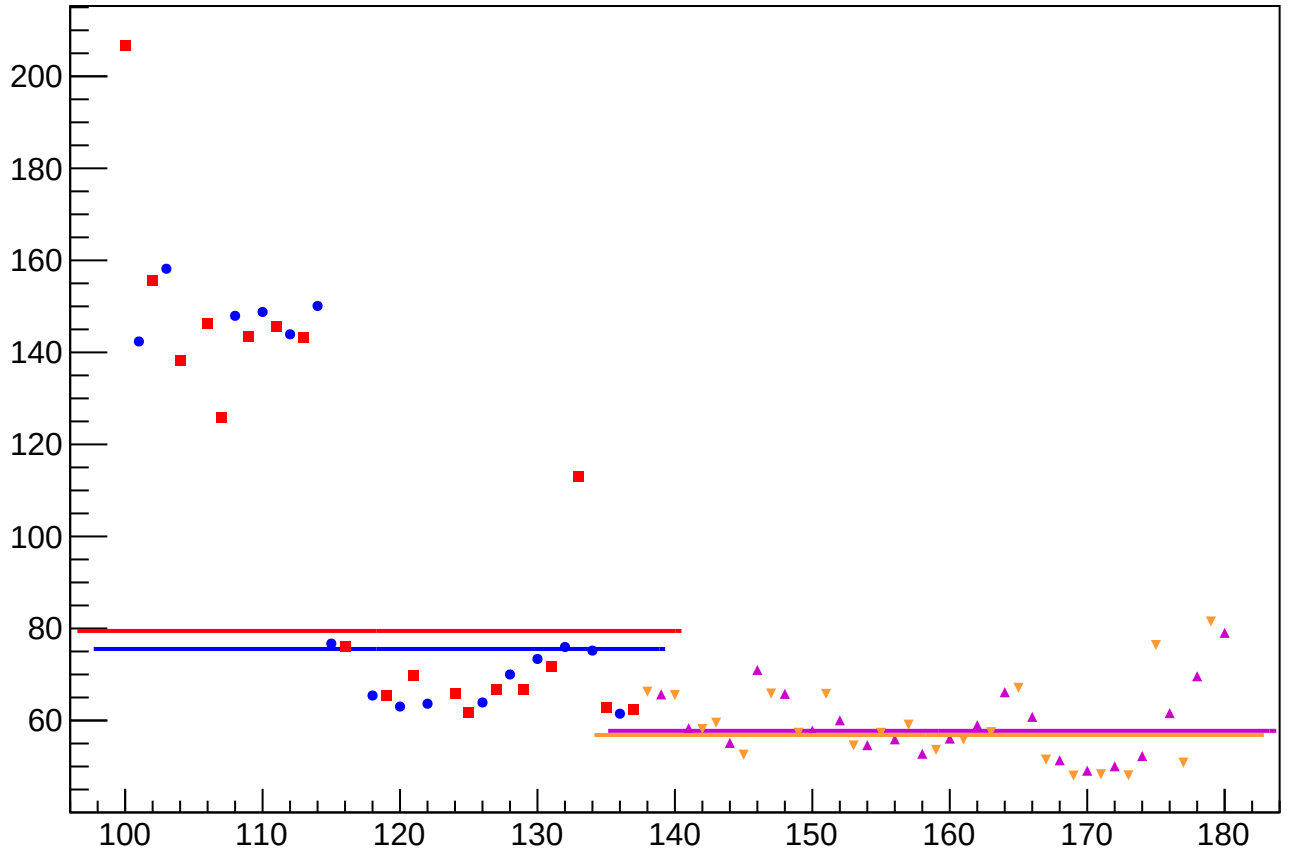
Left: 30.799+/-9.898 χ^2/NDF: 53.1/42

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.509+/-12.798 χ^2/NDF:46.5/36

Out: 19.856+/-12.655 χ^2/NDF:47.6/40

All: 33.033+/-8.998 χ^2/NDF: 96.3/77



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.846+/-0.010 χ^2/NDF:618311.6/21

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470072.2/20

Left: 57.290+/-0.007 χ^2/NDF: 1092591.0/42

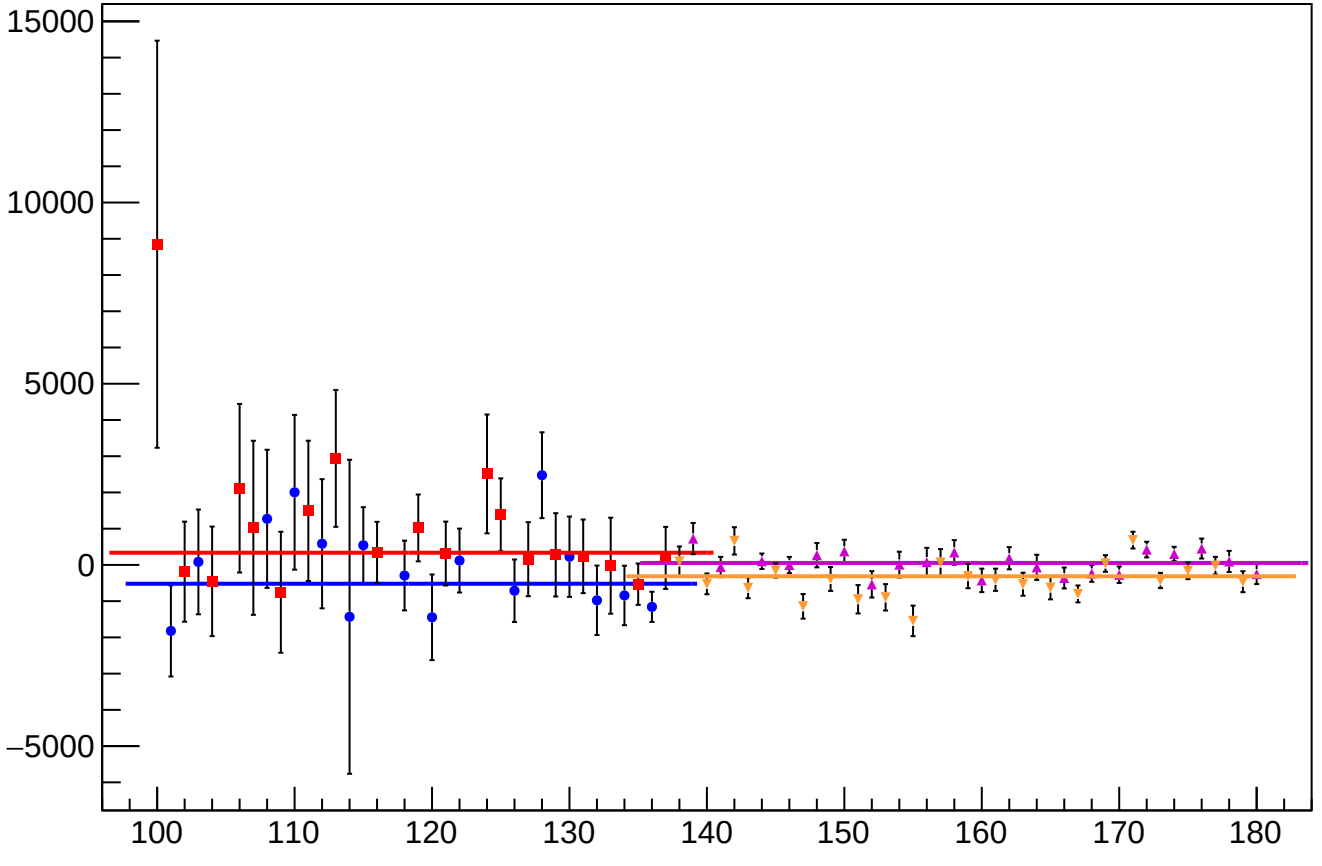
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.011+/-0.009 χ^2/NDF:2513681.9/36

Out: 60.556+/-0.009 χ^2/NDF:3178020.5/40

All: 60.781+/-0.006 χ^2/NDF: 5692983.9/77

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: -313.203+/-60.490 χ^2/NDF:60.2/21

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 54.849+/-60.477 χ^2/NDF:23.6/20

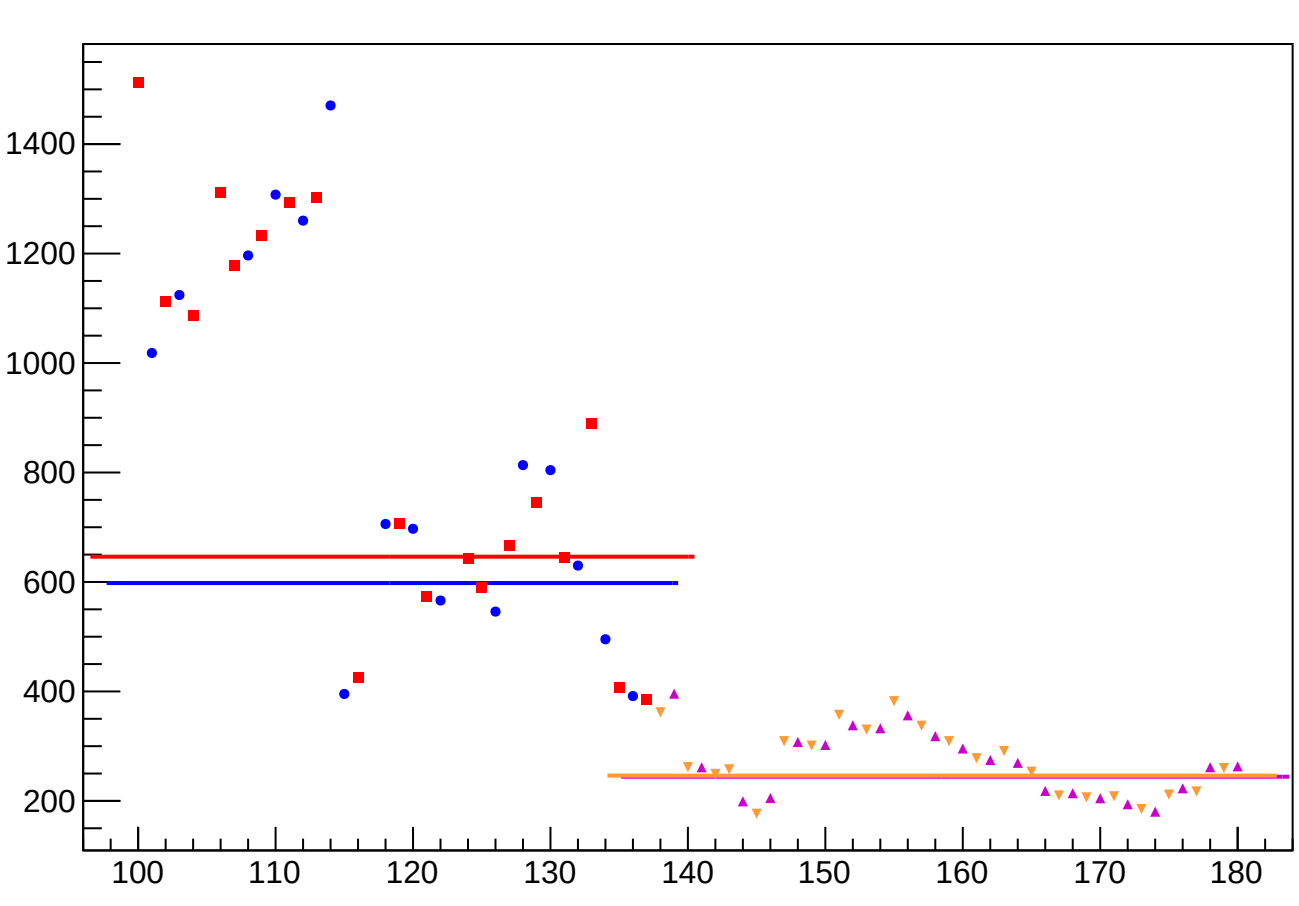
Left: -129.140+/-42.768 χ^2/NDF: 102.3/42

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 20.922+/-58.663 χ^2/NDF:44.7/36

Out: -278.992+/-58.876 χ^2/NDF:78.2/40

All: -128.492+/-41.556 χ^2/NDF: 135.9/77



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.198+/-0.043 χ^2/NDF:1678433.5/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 244.209+/-0.043 χ^2/NDF:1596275.3/20

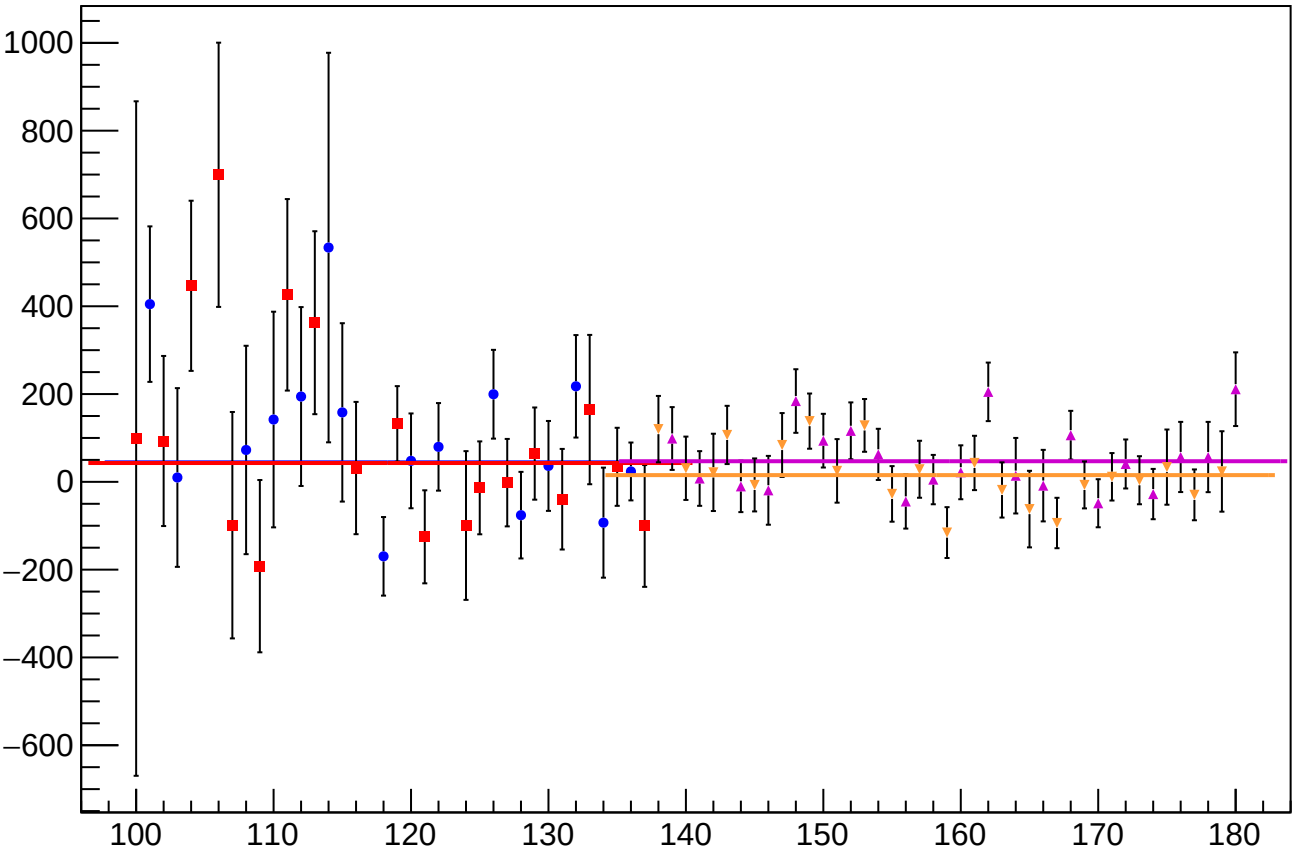
Left: 245.203+/-0.030 χ^2/NDF: 3275790.6/42

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 265.119+/-0.041 χ^2/NDF:7689888.1/36

Out: 267.253+/-0.042 χ^2/NDF:8487227.0/40

All: 266.182+/-0.029 χ^2/NDF: 16178433.8/77



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.334+/-13.841 χ^2/NDF:23.7/21

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.984+/-14.159 χ^2/NDF:26.9/20

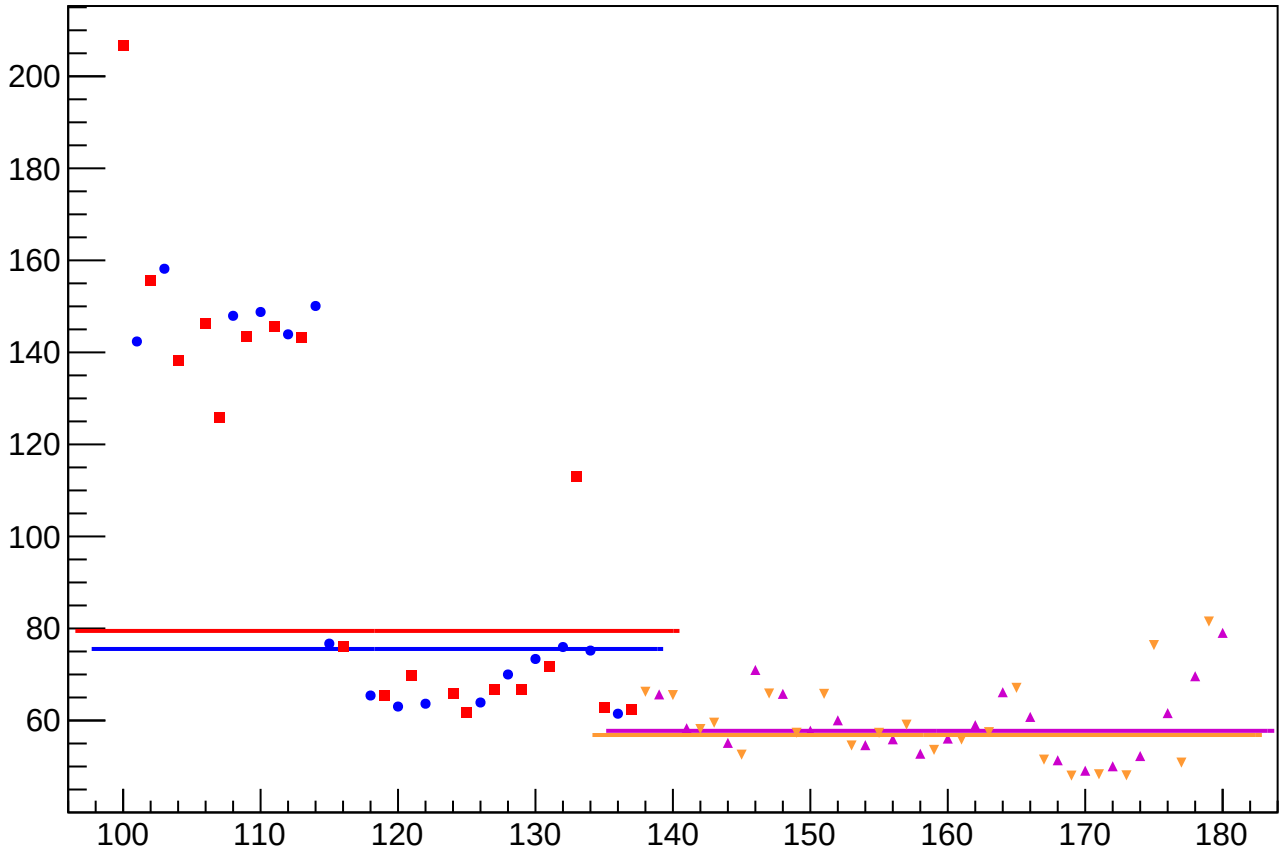
Left: 30.799+/-9.898 χ^2/NDF: 53.1/42

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.509+/-12.798 χ^2/NDF:46.5/36

Out: 19.855+/-12.655 χ^2/NDF:47.6/40

All: 33.032+/-8.998 χ^2/NDF: 96.3/77



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.846+/-0.010 χ^2/NDF:618320.1/21

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.754+/-0.010 χ^2/NDF:470065.1/20

Left: 57.290+/-0.007 χ^2/NDF: 1092593.1/42

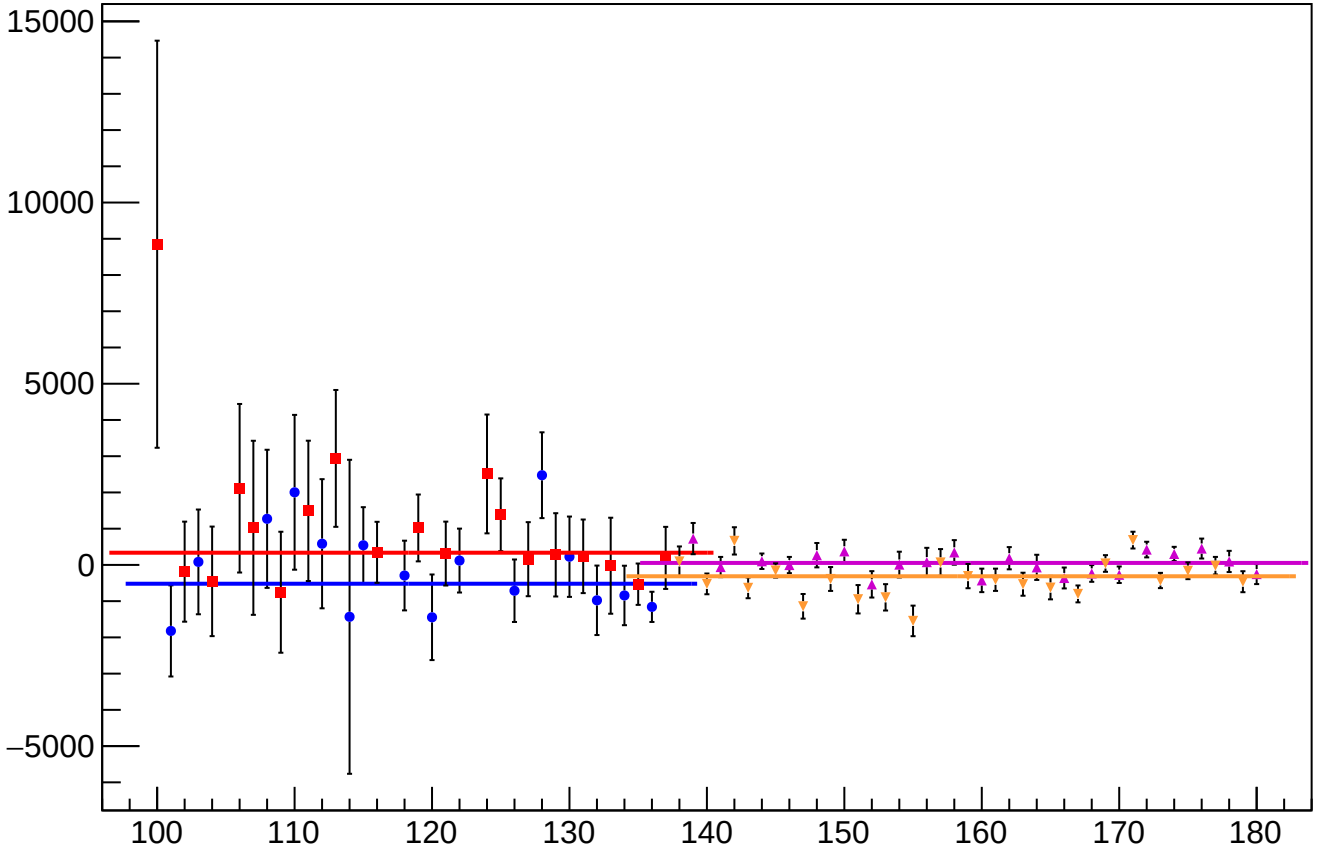
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.012+/-0.009 χ^2/NDF:2513632.5/36

Out: 60.556+/-0.009 χ^2/NDF:3177997.7/40

All: 60.781+/-0.006 χ^2/NDF: 5692912.0/77

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: -313.202+/-60.489 χ^2/NDF:60.2/21

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 54.848+/-60.477 χ^2/NDF:23.6/20

Left: -129.140+/-42.768 χ^2/NDF: 102.3/42

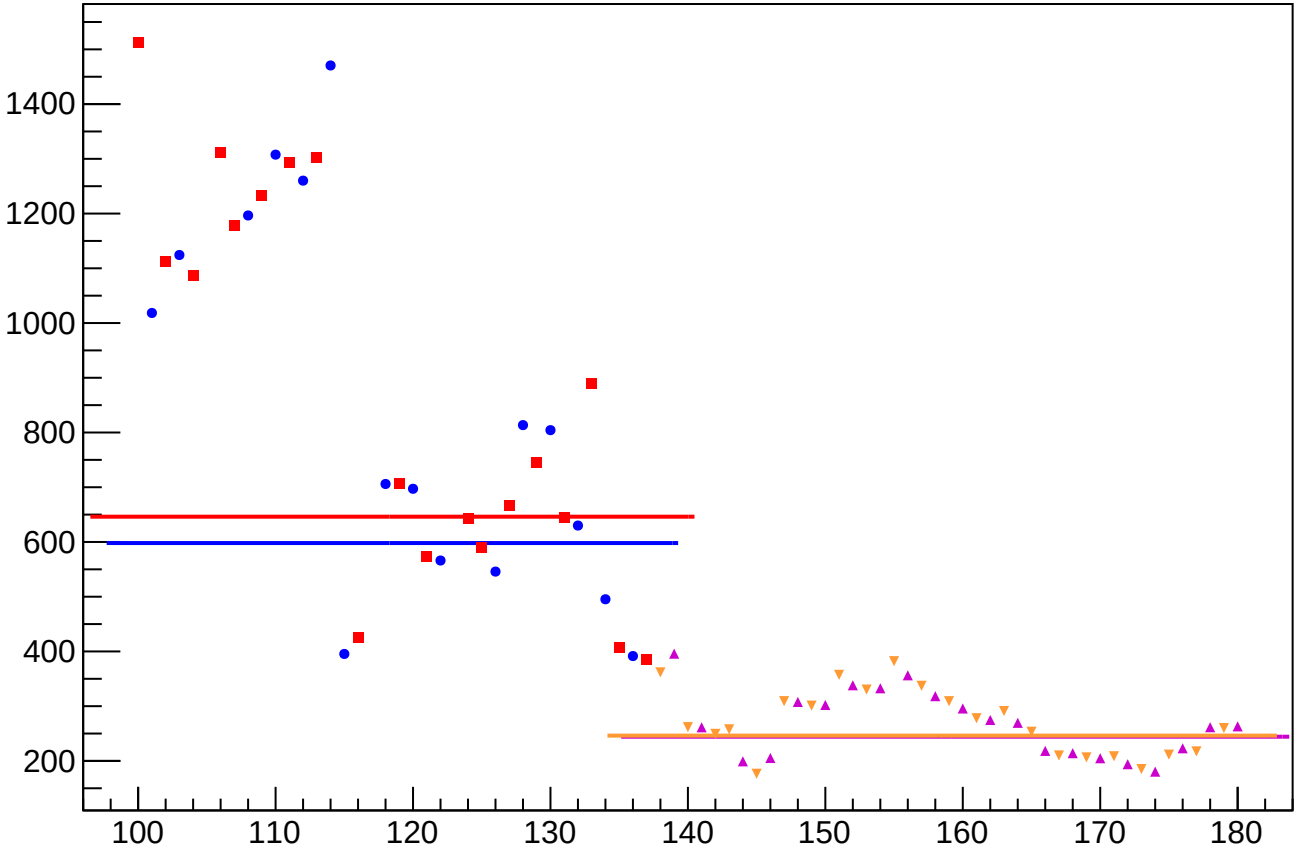
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 20.921+/-58.663 χ^2/NDF:44.7/36

Out: -278.990+/-58.876 χ^2/NDF:78.2/40

All: -128.491+/-41.556 χ^2/NDF: 135.9/77

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: 246.198+/-0.043 χ^2/NDF:1678433.9/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 244.209+/-0.043 χ^2/NDF:1596265.1/20

Left: 245.203+/-0.030 χ^2/NDF: 3275780.6/42

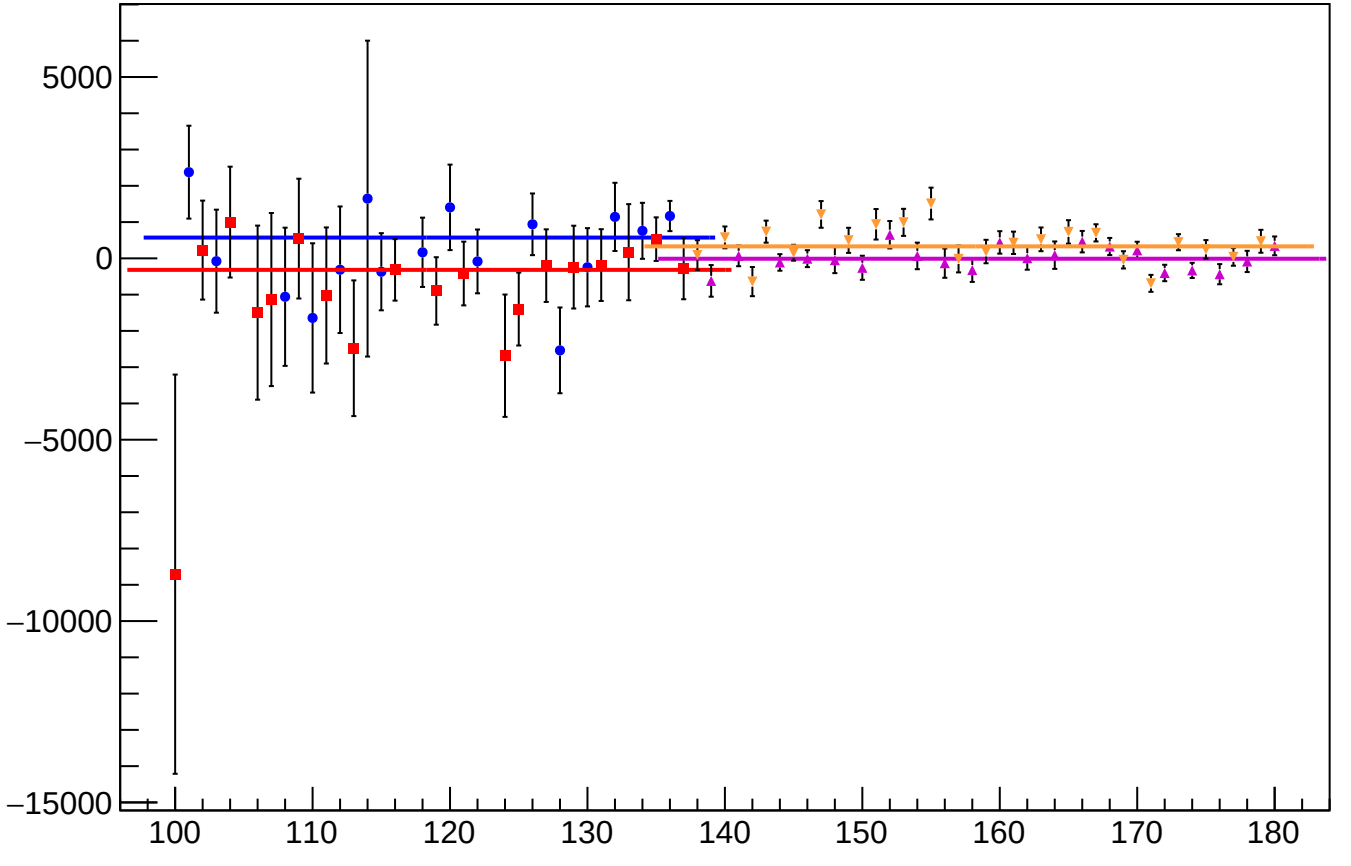
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 265.119+/-0.041 χ^2/NDF:7689866.8/36

Out: 267.253+/-0.042 χ^2/NDF:8487223.2/40

All: 266.182+/-0.029 χ^2/NDF: 16178408.5/77

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 330.770+/-63.106 χ^2/NDF:56.7/21

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -10.397+/-62.276 χ^2/NDF:24.3/20

Left: 157.929+/-44.326 χ^2/NDF: 95.8/42

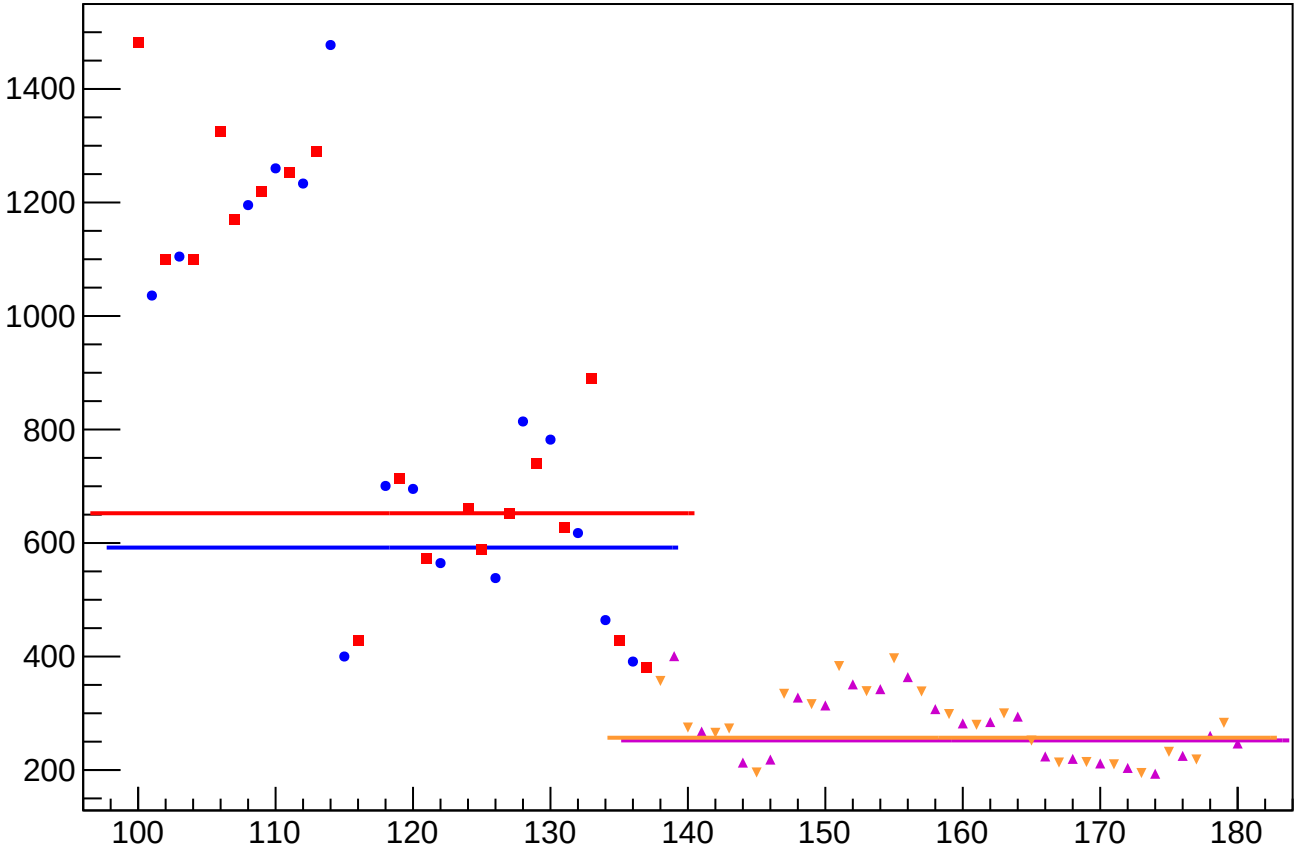
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 26.742+/-60.262 χ^2/NDF:46.4/36

Out: 294.276+/-61.302 χ^2/NDF:73.7/40

All: 158.222+/-42.975 χ^2/NDF: 129.8/77

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 256.937+/-0.045 χ^2/NDF:1543988.4/21

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.219+/-0.044 χ^2/NDF:1411229.5/20

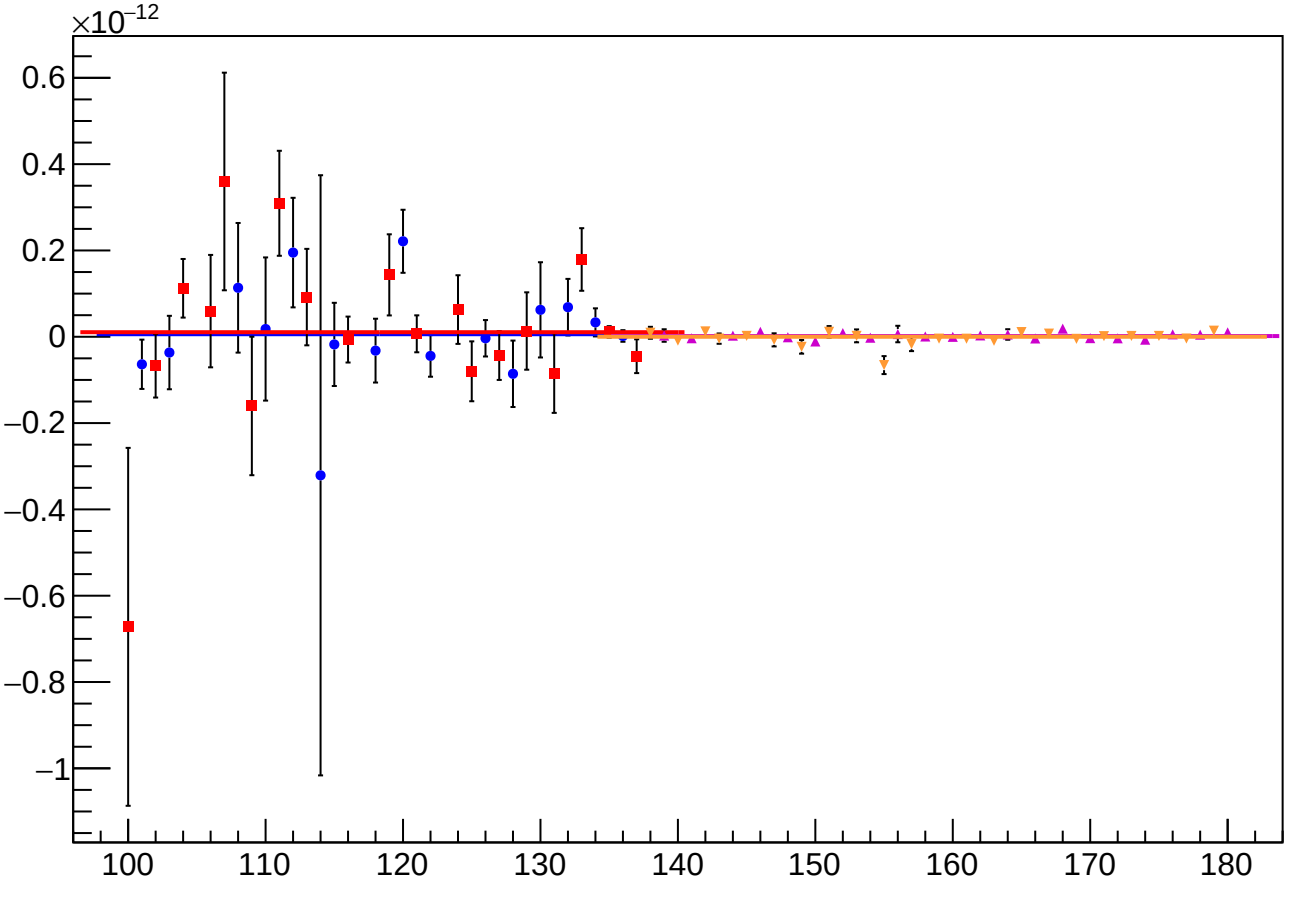
Left: 254.547+/-0.031 χ^2/NDF: 2960882.0/42

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 273.833+/-0.043 χ^2/NDF:7234022.6/36

Out: 279.225+/-0.043 χ^2/NDF:8061275.3/40

All: 276.483+/-0.030 χ^2/NDF: 15303166.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/20

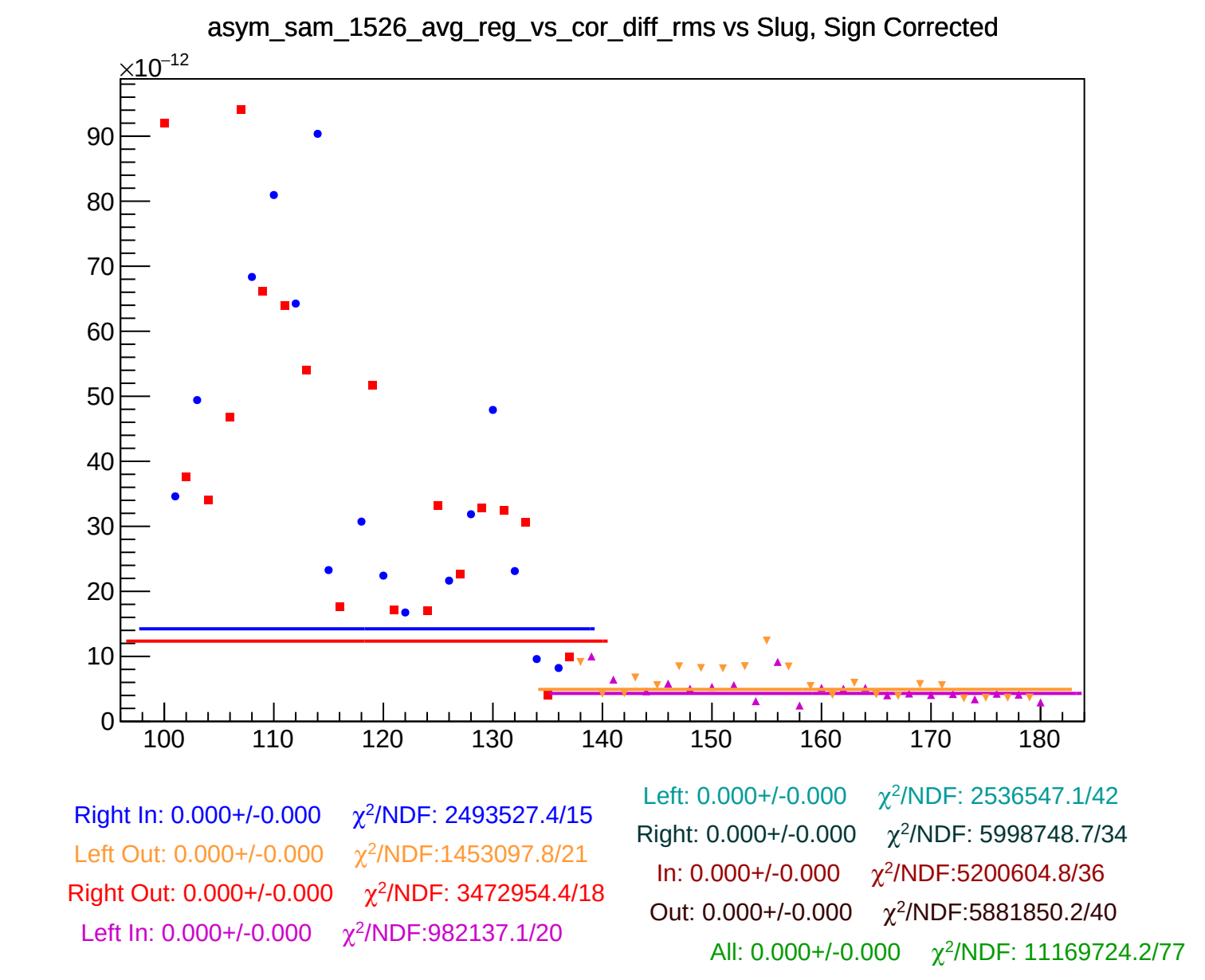
Left: 0.000+/-0.000 χ^2/NDF: 38.2/42

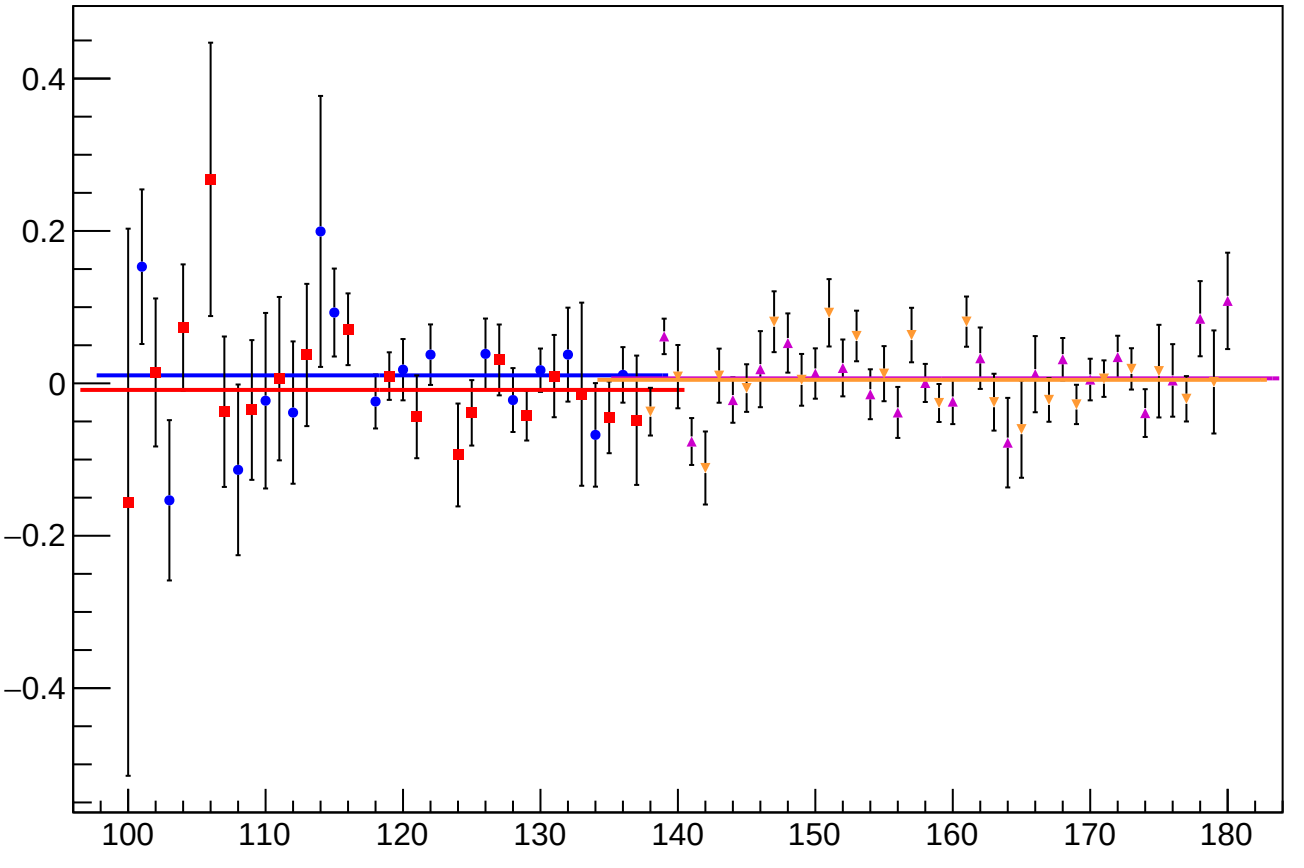
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:32.0/36

Out: 0.000+/-0.000 χ^2/NDF:54.7/40

All: 0.000+/-0.000 χ^2/NDF: 86.9/77


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1453097.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:982137.1/20
Left: 0.000+/-0.000 χ²/NDF: 2536547.1/42
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5200604.8/36
Out: 0.000+/-0.000 χ²/NDF:5881850.2/40
All: 0.000+/-0.000 χ²/NDF: 11169724.2/77



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.007+/-0.007 χ^2/NDF:30.3/20

Left: 0.006+/-0.005 χ^2/NDF: 63.4/42

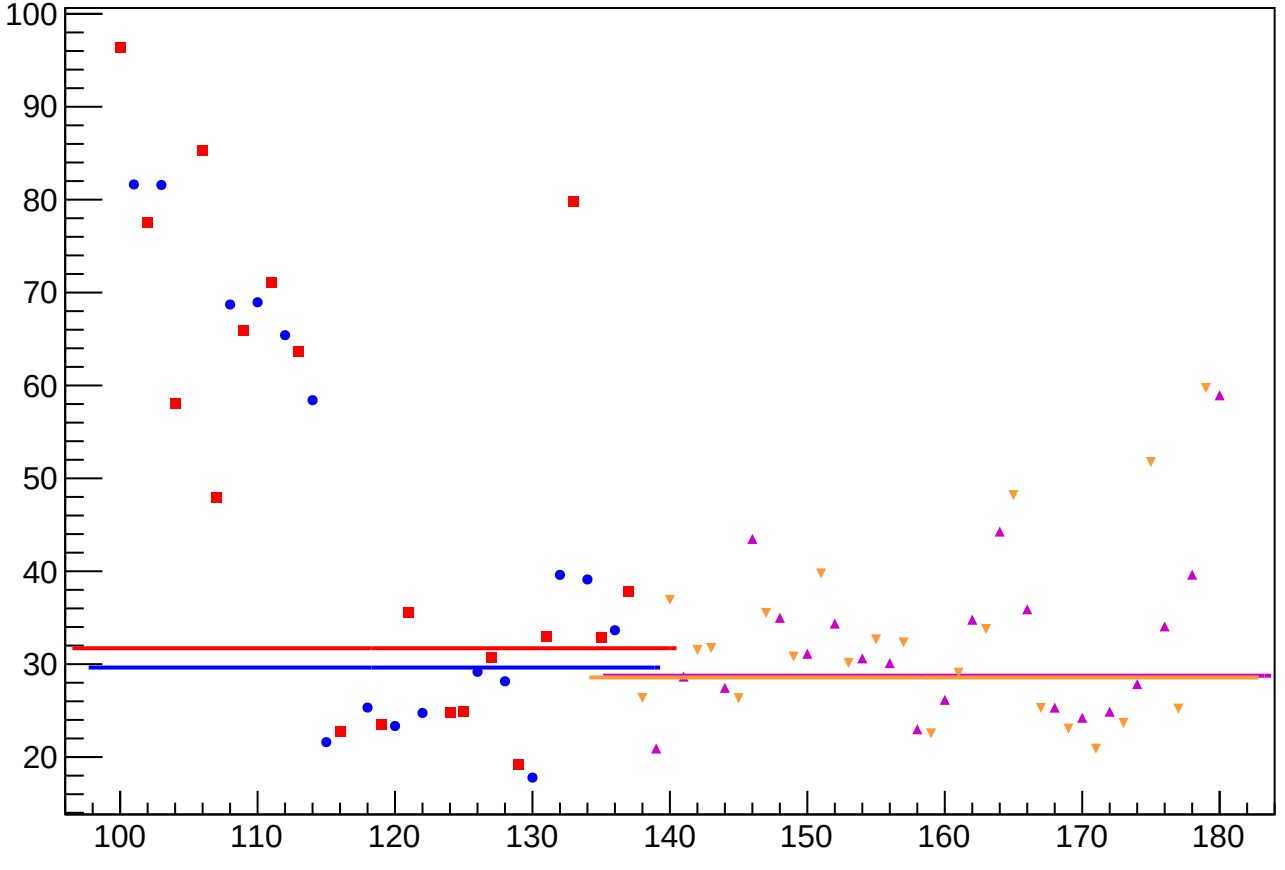
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.006 χ^2/NDF:43.5/36

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.005+/-0.004 χ^2/NDF: 90.2/77

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

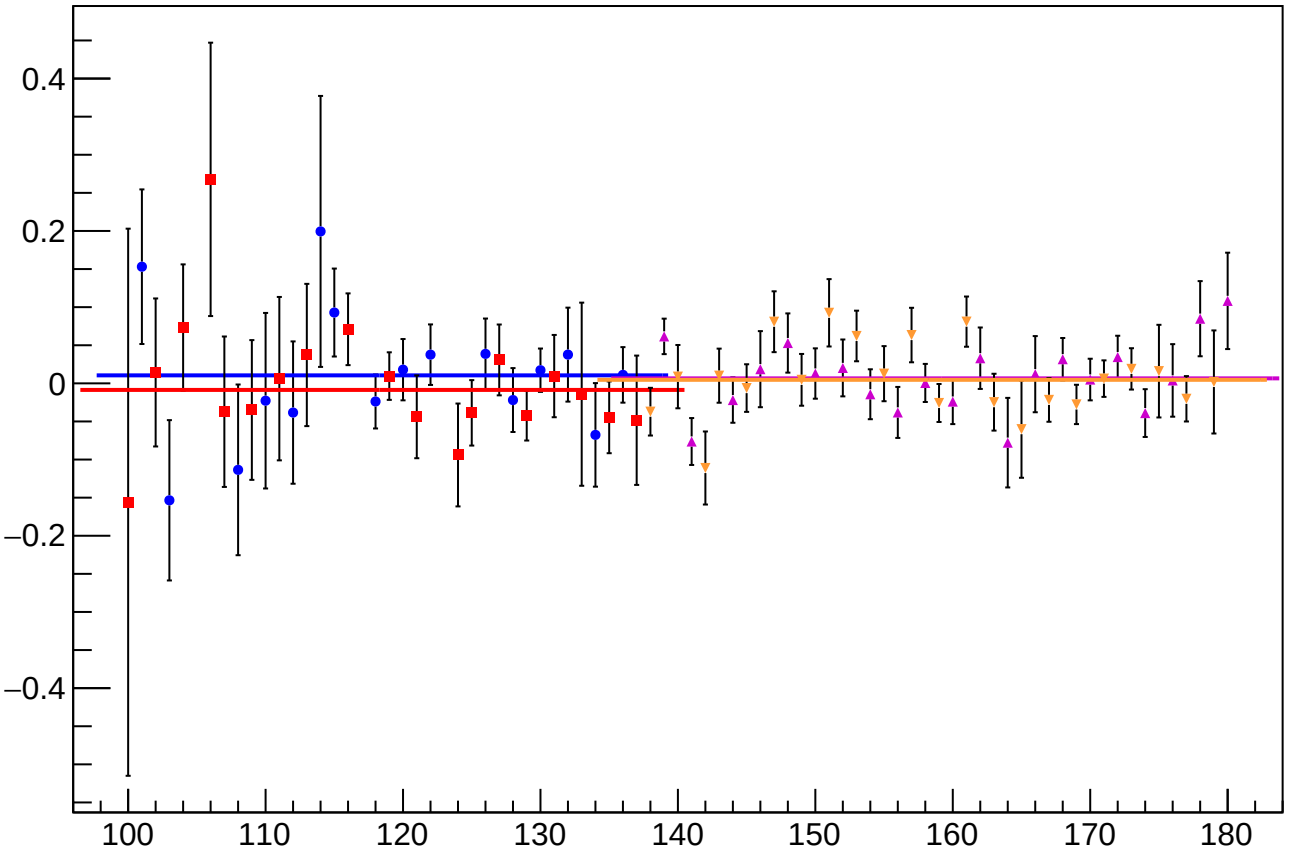
Left: 28.662+/-0.004 χ^2/NDF: 3419068.7/42

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.981+/-0.004 χ^2/NDF:4026798.1/36

Out: 29.288+/-0.004 χ^2/NDF:4585711.6/40

All: 29.134+/-0.003 χ^2/NDF: 8614856.2/77



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.007+/-0.007 χ^2/NDF:30.3/20

Left: 0.006+/-0.005 χ^2/NDF: 63.4/42

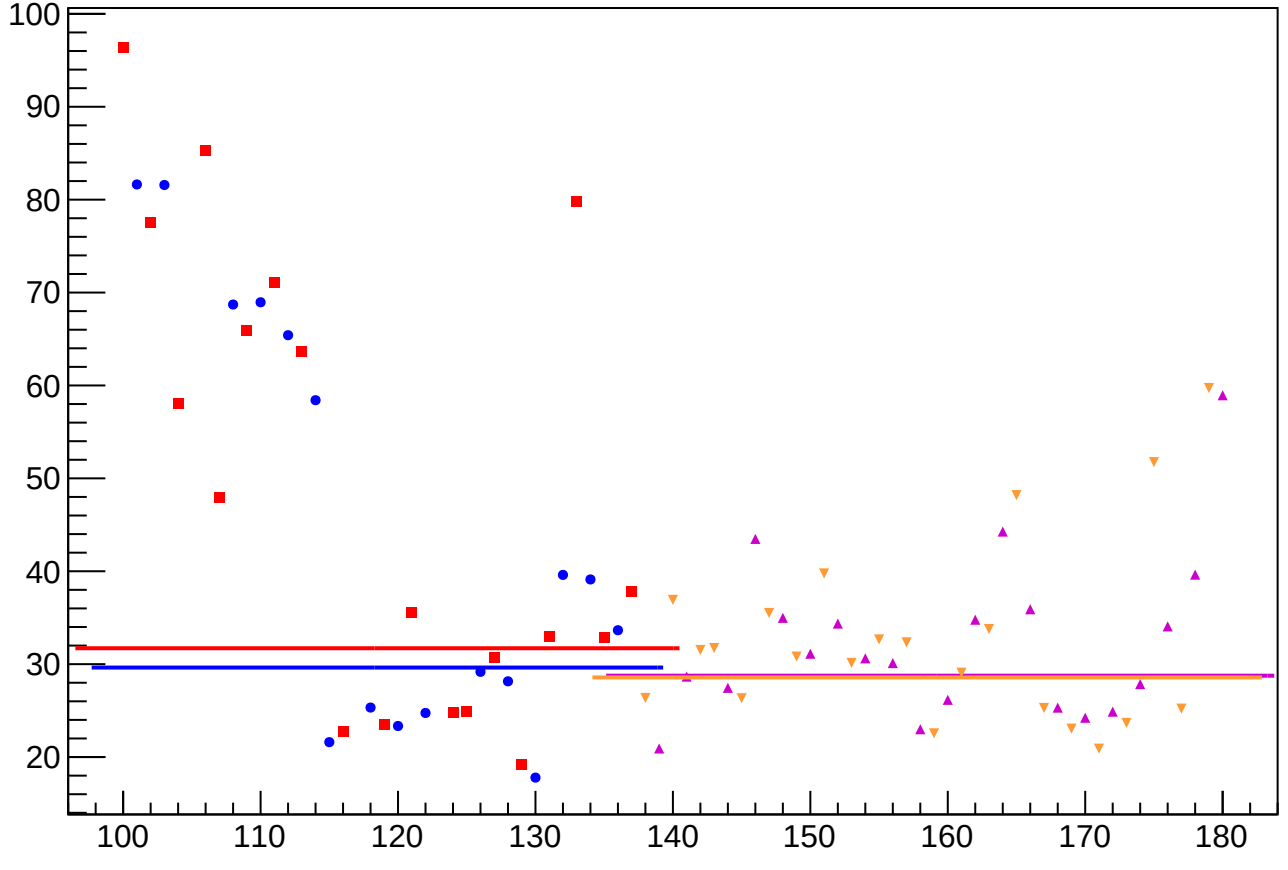
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.006 χ^2/NDF:43.5/36

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.005+/-0.004 χ^2/NDF: 90.2/77

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.759+/-0.005 χ^2/NDF:1571072.2/20

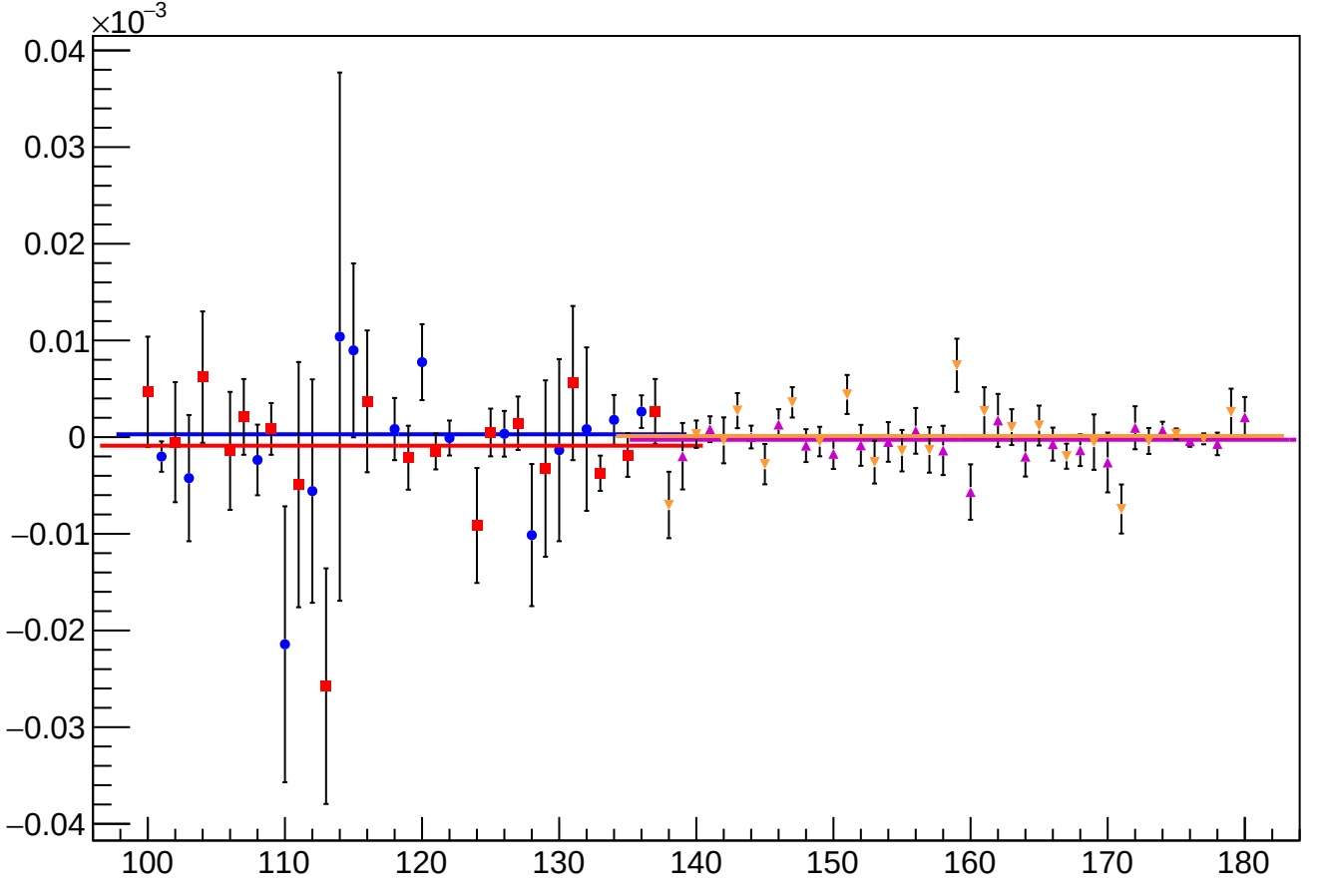
Left: 28.662+/-0.004 χ^2/NDF: 3419068.7/42

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.981+/-0.004 χ^2/NDF:4026798.1/36

Out: 29.288+/-0.004 χ^2/NDF:4585711.6/40

All: 29.134+/-0.003 χ^2/NDF: 8614856.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/20

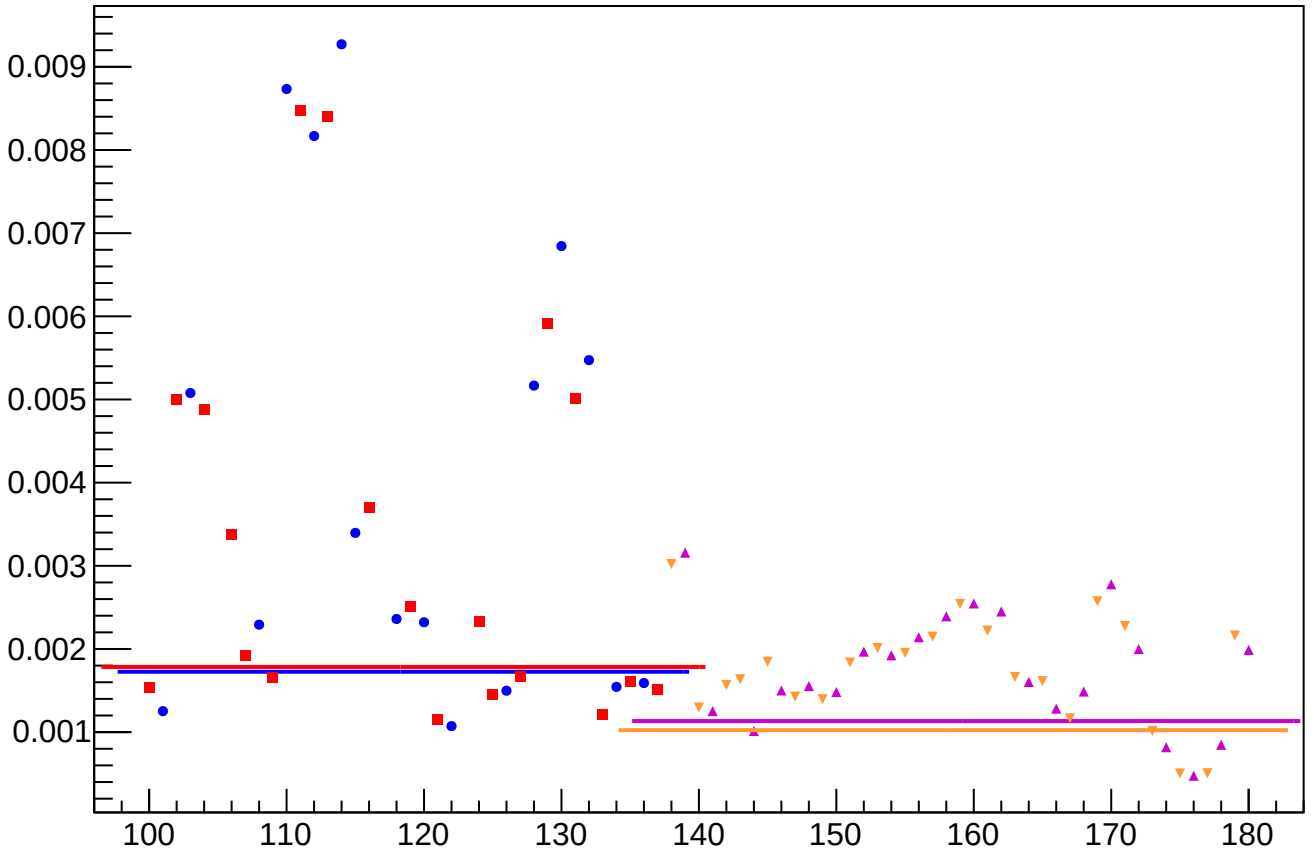
Left: -0.000+/-0.000 χ^2/NDF: 55.1/42

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/36

Out: -0.000+/-0.000 χ^2/NDF:59.0/40

All: -0.000+/-0.000 χ^2/NDF: 86.6/77



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9634967.1/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7773110.8/20

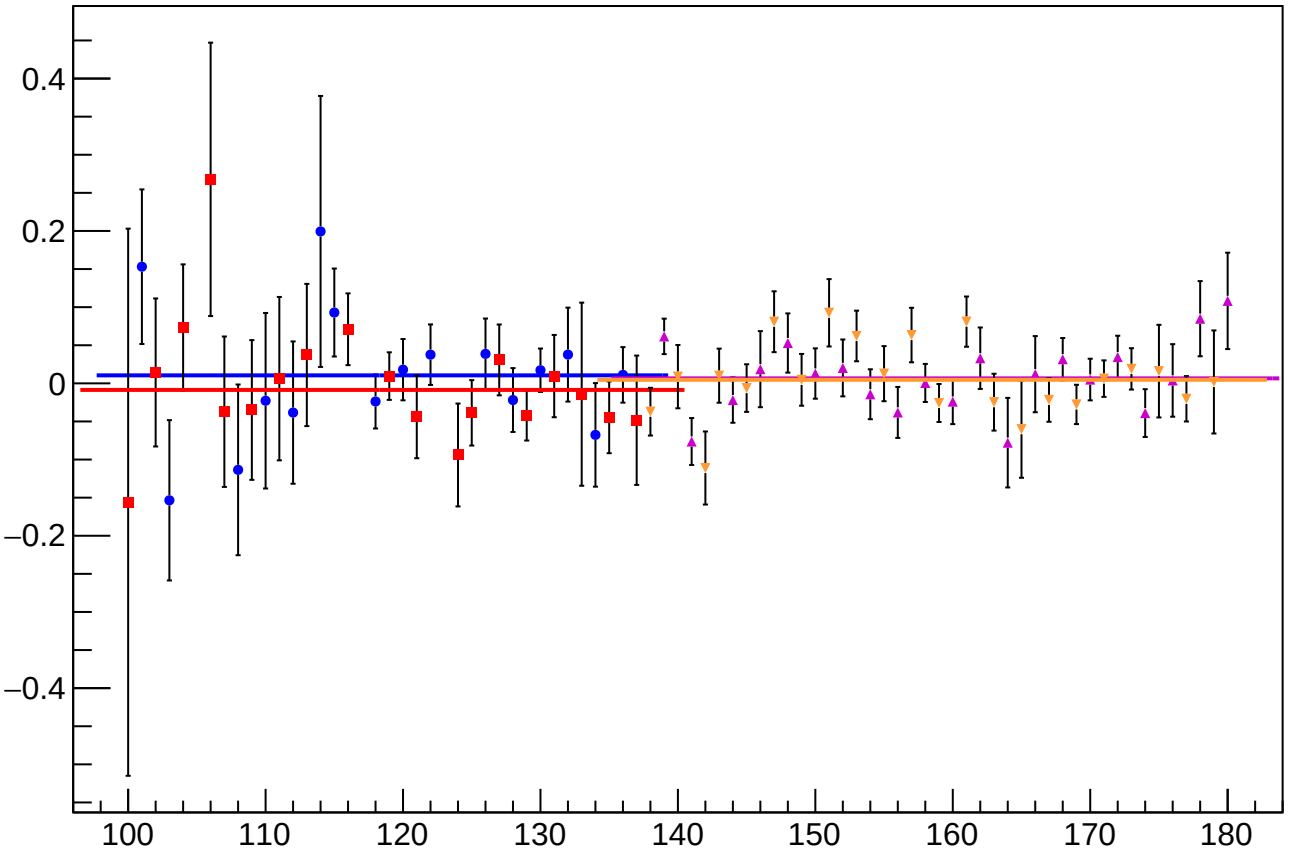
Left: 0.001+/-0.000 χ^2/NDF: 17538089.4/42

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:12737567.2/36

Out: 0.001+/-0.000 χ^2/NDF:15035252.9/40

All: 0.001+/-0.000 χ^2/NDF: 27905204.5/77



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.007+/-0.007 χ^2/NDF:30.3/20

Left: 0.006+/-0.005 χ^2/NDF: 63.4/42

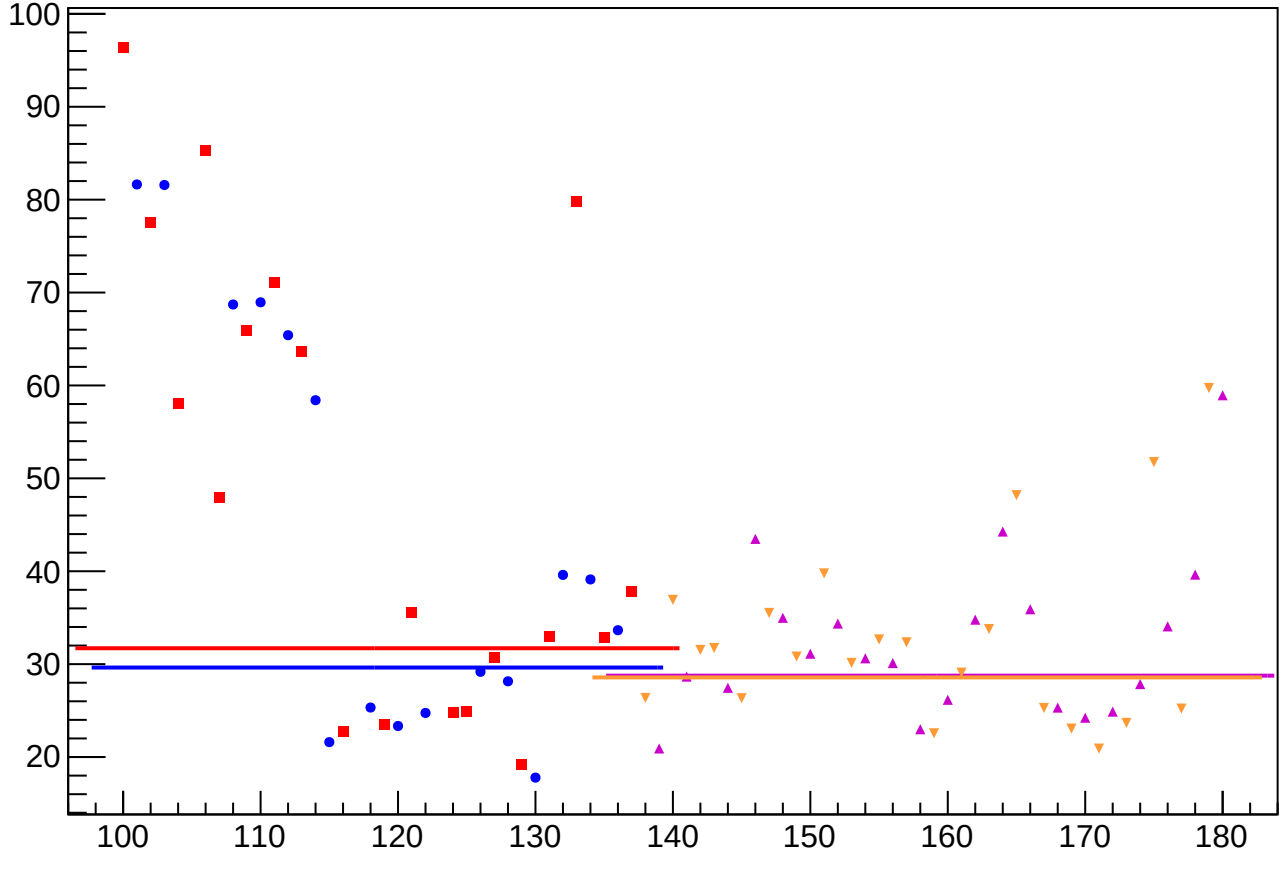
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.006 χ^2/NDF:43.5/36

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.005+/-0.004 χ^2/NDF: 90.2/77

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

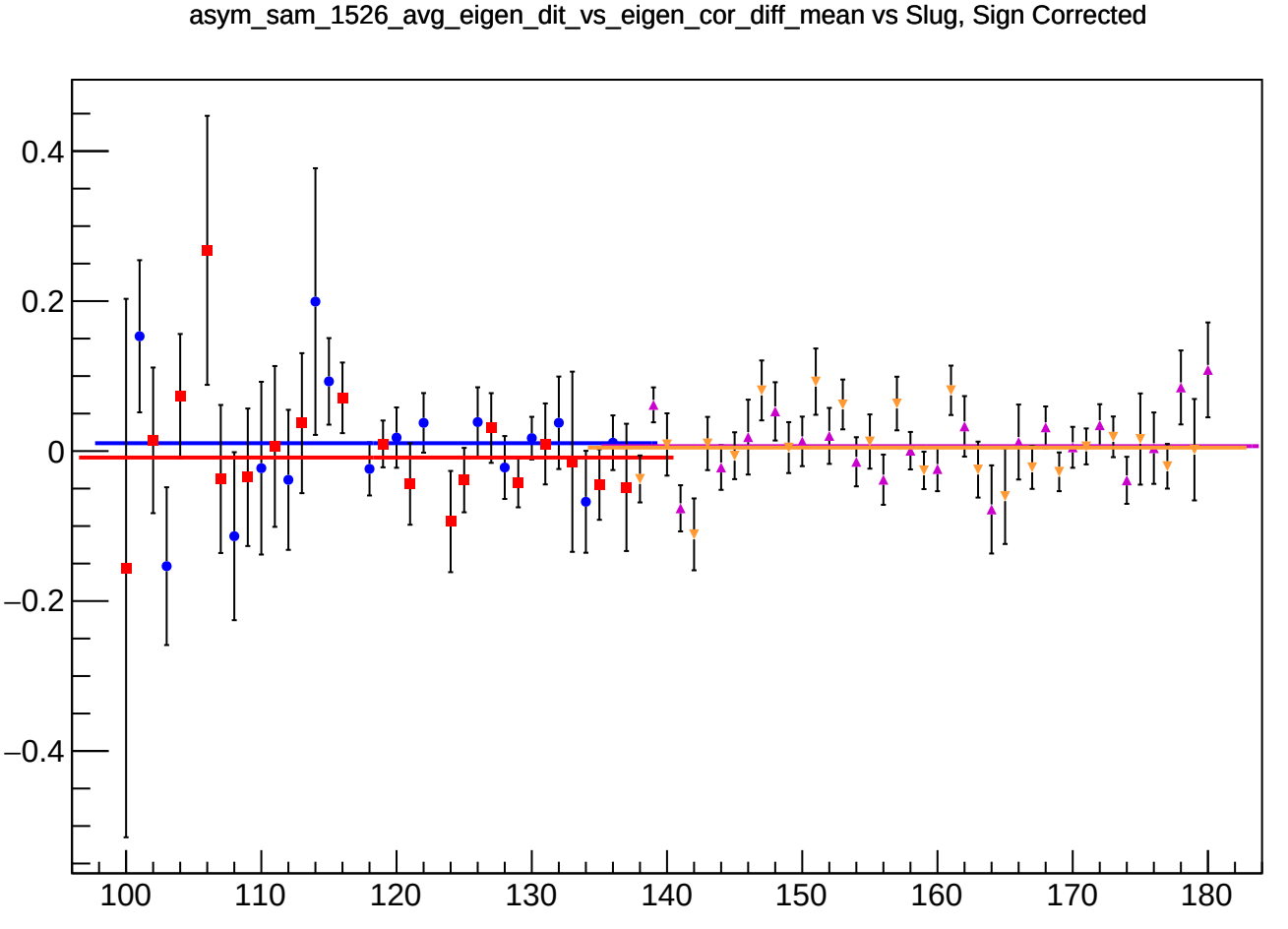
Left: 28.663+/-0.004 χ^2/NDF: 3419096.2/42

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.981+/-0.004 χ^2/NDF:4026948.0/36

Out: 29.288+/-0.004 χ^2/NDF:4585856.2/40

All: 29.134+/-0.003 χ^2/NDF: 8615149.1/77



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.007+/-0.007 χ^2/NDF:30.3/20

Left: 0.006+/-0.005 χ^2/NDF: 63.4/42

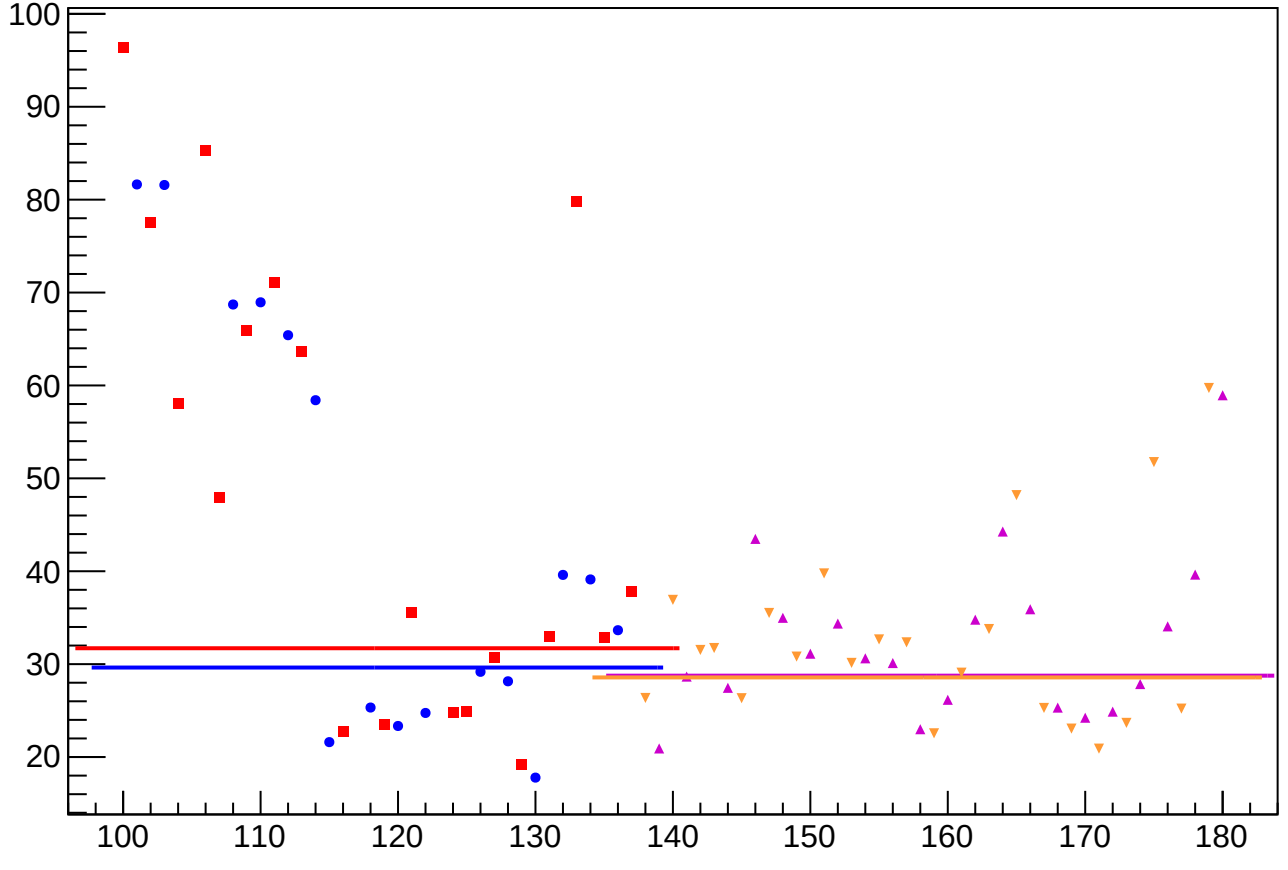
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.006 χ^2/NDF:43.5/36

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.005+/-0.004 χ^2/NDF: 90.2/77

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.759+/-0.005 χ^2/NDF:1571046.2/20

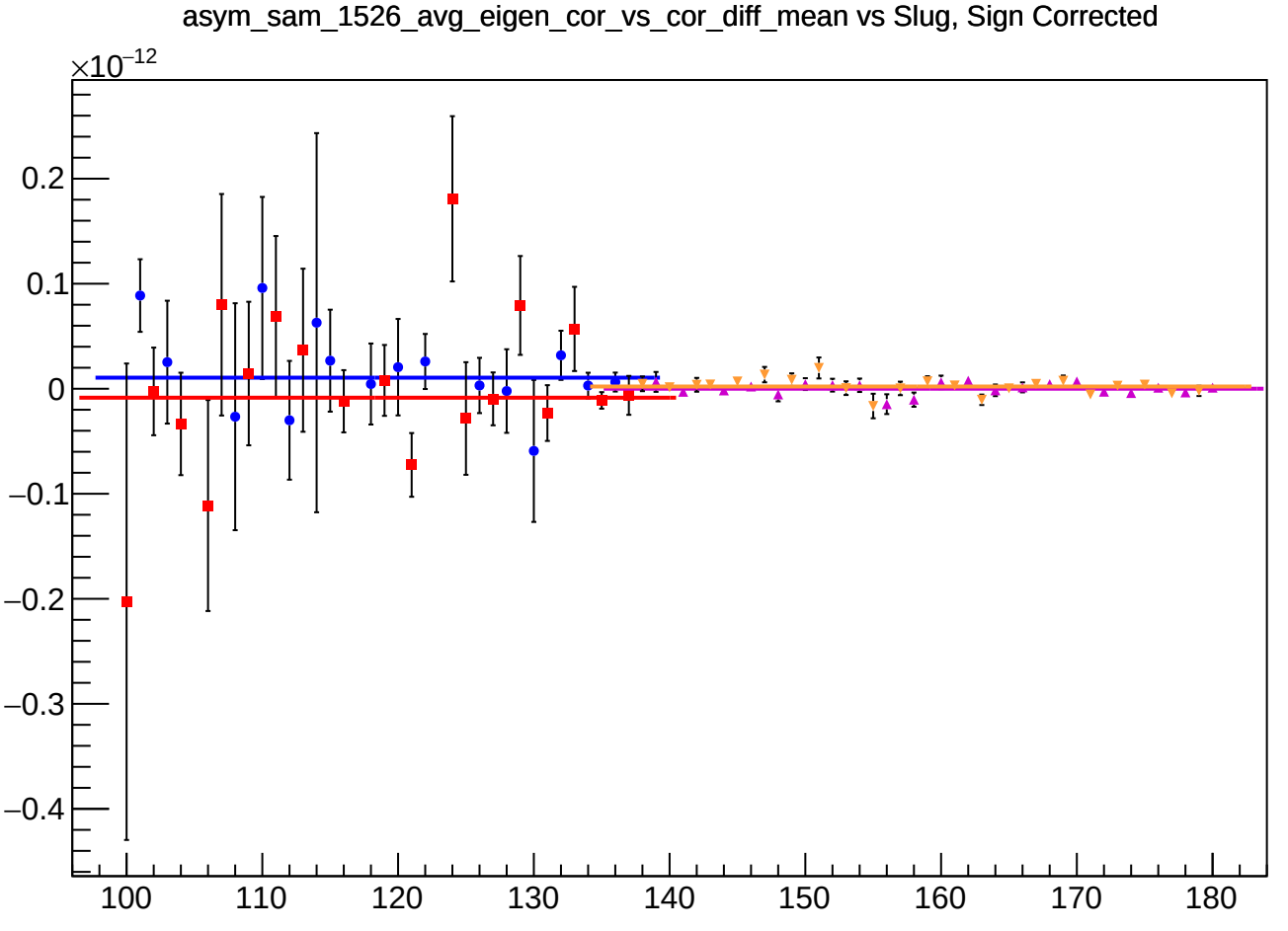
Left: 28.663+/-0.004 χ^2/NDF: 3419096.2/42

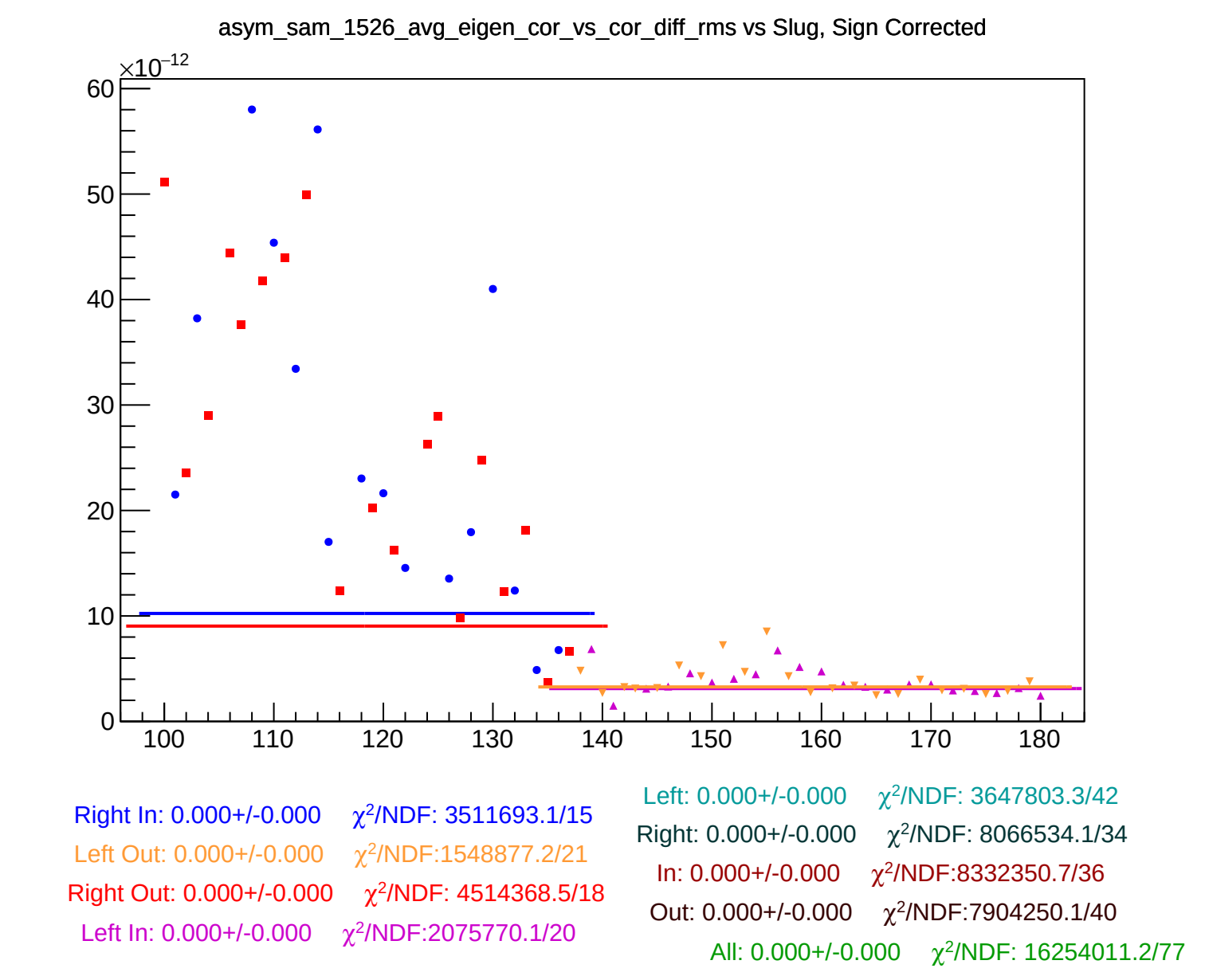
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

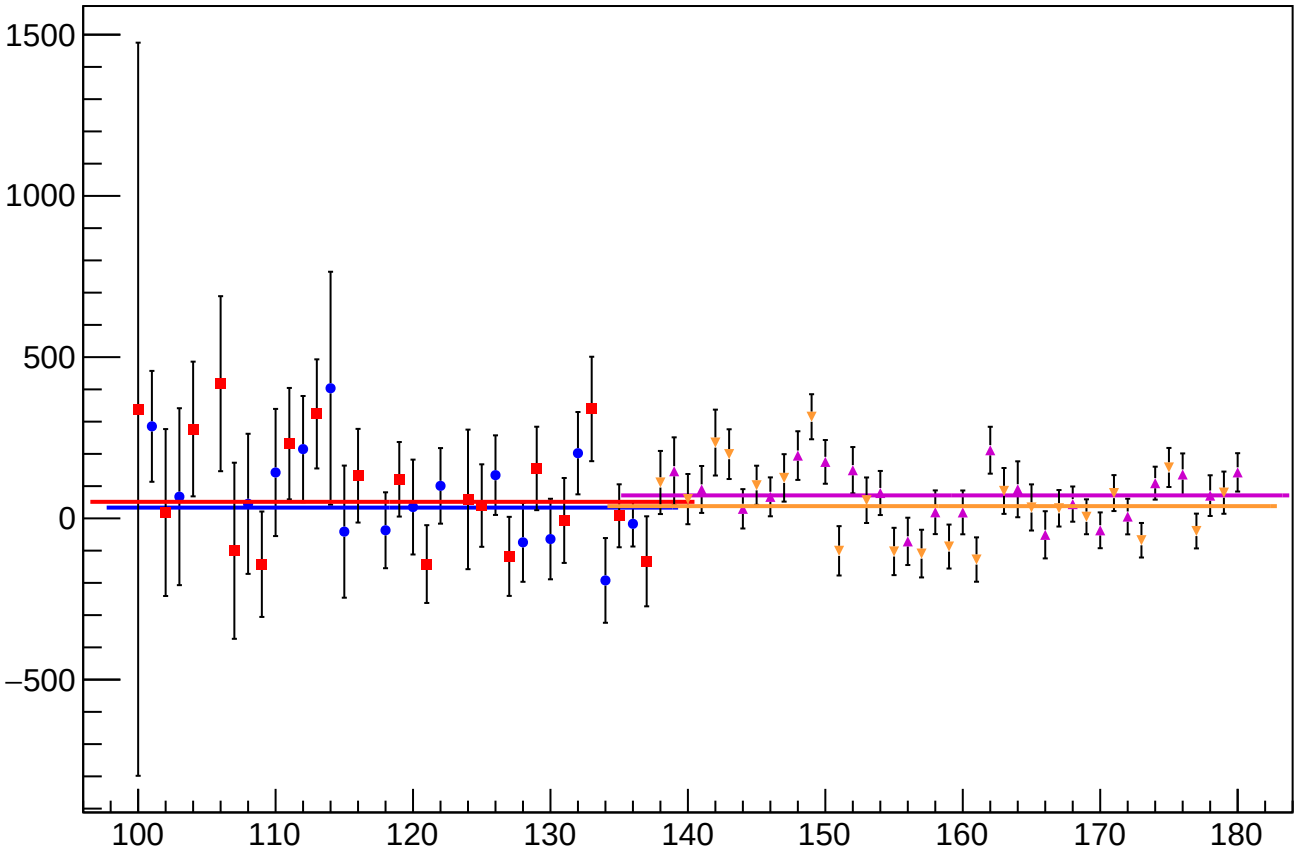
In: 28.981+/-0.004 χ^2/NDF:4026948.0/36

Out: 29.288+/-0.004 χ^2/NDF:4585856.2/40

All: 29.134+/-0.003 χ^2/NDF: 8615149.1/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/21
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:18.1/20
Left: 0.000+/-0.000 χ²/NDF: 47.4/42
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:31.2/36
Out: 0.000+/-0.000 χ²/NDF:51.7/40
All: 0.000+/-0.000 χ²/NDF: 84.0/77


asym_sam_1526_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
180
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1548877.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:2075770.1/20
Left: 0.000+/-0.000 χ²/NDF: 3647803.3/42
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:8332350.7/36
Out: 0.000+/-0.000 χ²/NDF:7904250.1/40
All: 0.000+/-0.000 χ²/NDF: 16254011.2/77



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.983+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 71.287+/-14.296 χ^2/NDF:27.2/20

Left: 54.576+/-10.091 χ^2/NDF: 88.8/42

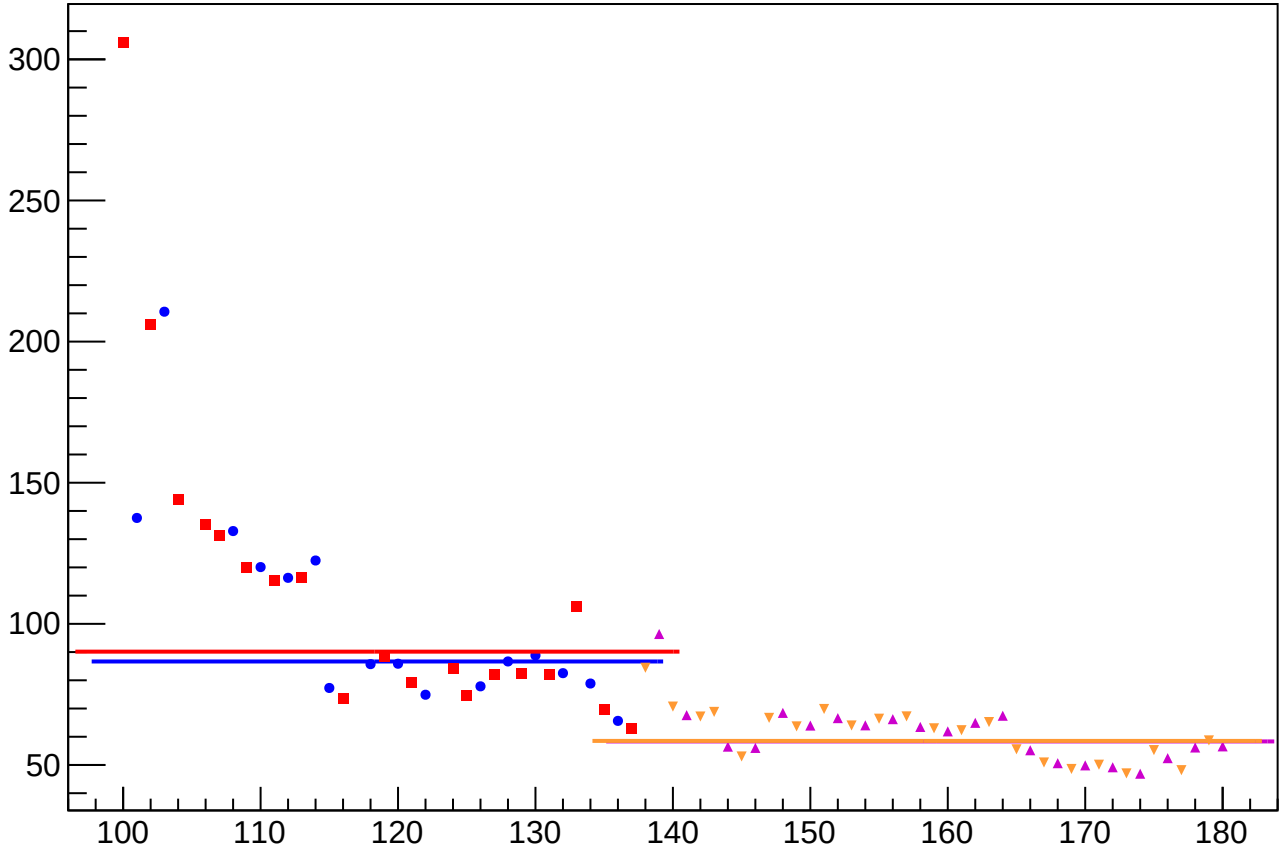
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 65.565+/-13.172 χ^2/NDF:41.1/36

Out: 39.895+/-13.187 χ^2/NDF:78.5/40

All: 52.745+/-9.319 χ^2/NDF: 121.5/77

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

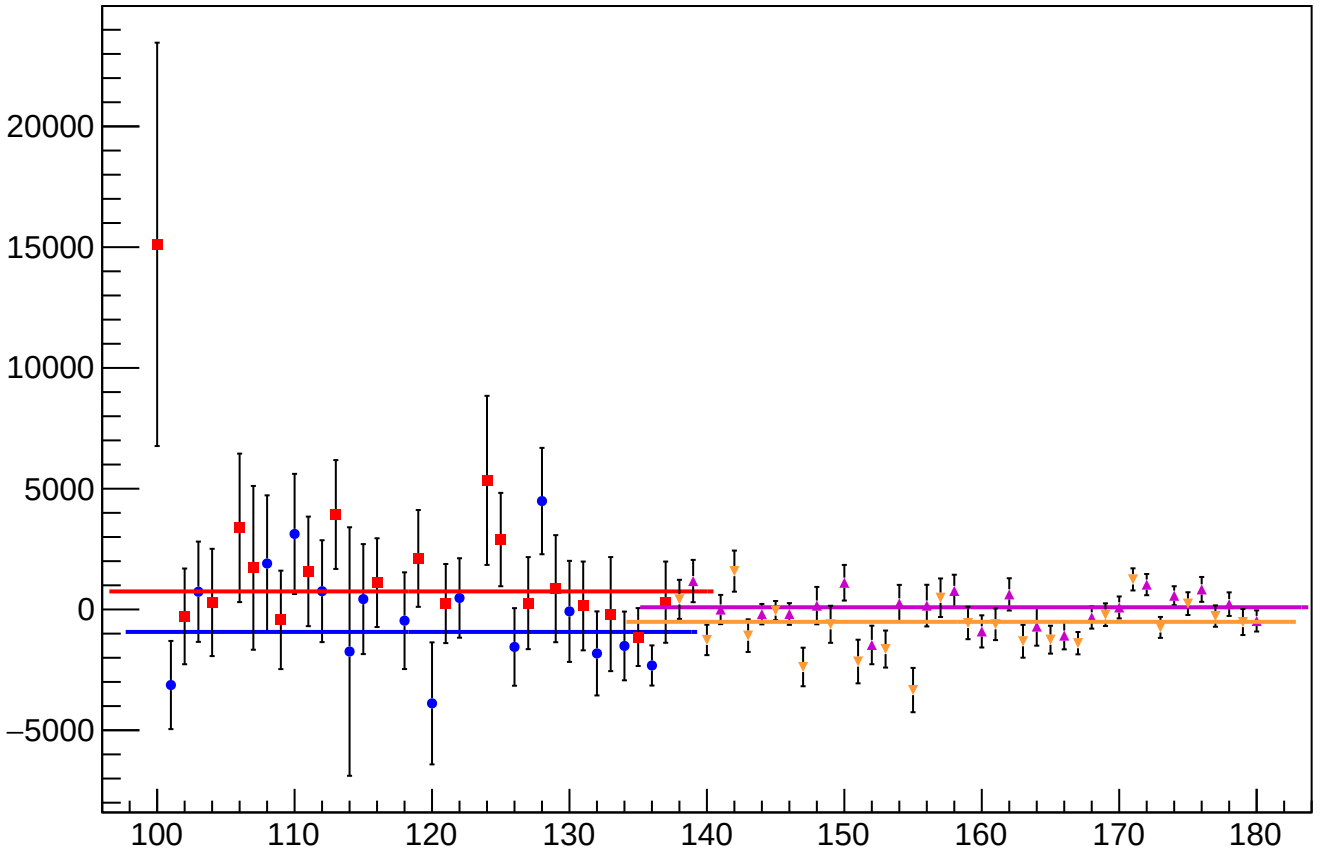
Left: 58.433+/-0.007 χ^2/NDF: 1489405.4/42

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.622+/-0.009 χ^2/NDF:2960156.2/36

Out: 63.053+/-0.009 χ^2/NDF:3315896.9/40

All: 62.837+/-0.007 χ^2/NDF: 6277125.0/77



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -512.165+/-123.976 χ^2/NDF:57.9/21

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 91.536+/-120.827 χ^2/NDF:28.0/20

Left: -202.550+/-86.529 χ^2/NDF: 98.1/42

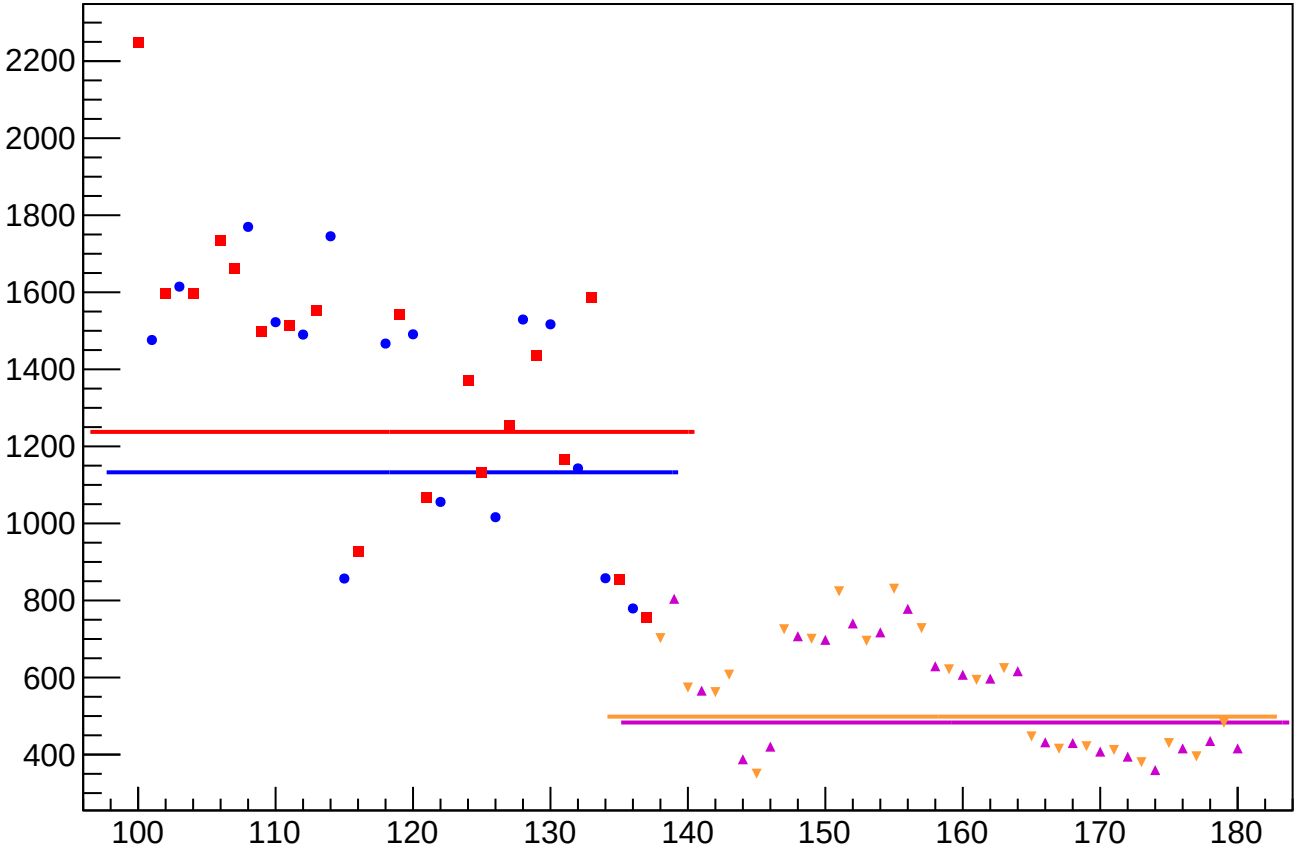
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 20.187+/-116.530 χ^2/NDF:51.5/36

Out: -429.552+/-119.841 χ^2/NDF:77.7/40

All: -198.385+/-83.545 χ^2/NDF: 136.4/77

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 498.485+/-0.088 χ^2/NDF:2304056.1/21

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 483.236+/-0.085 χ^2/NDF:2168965.5/20

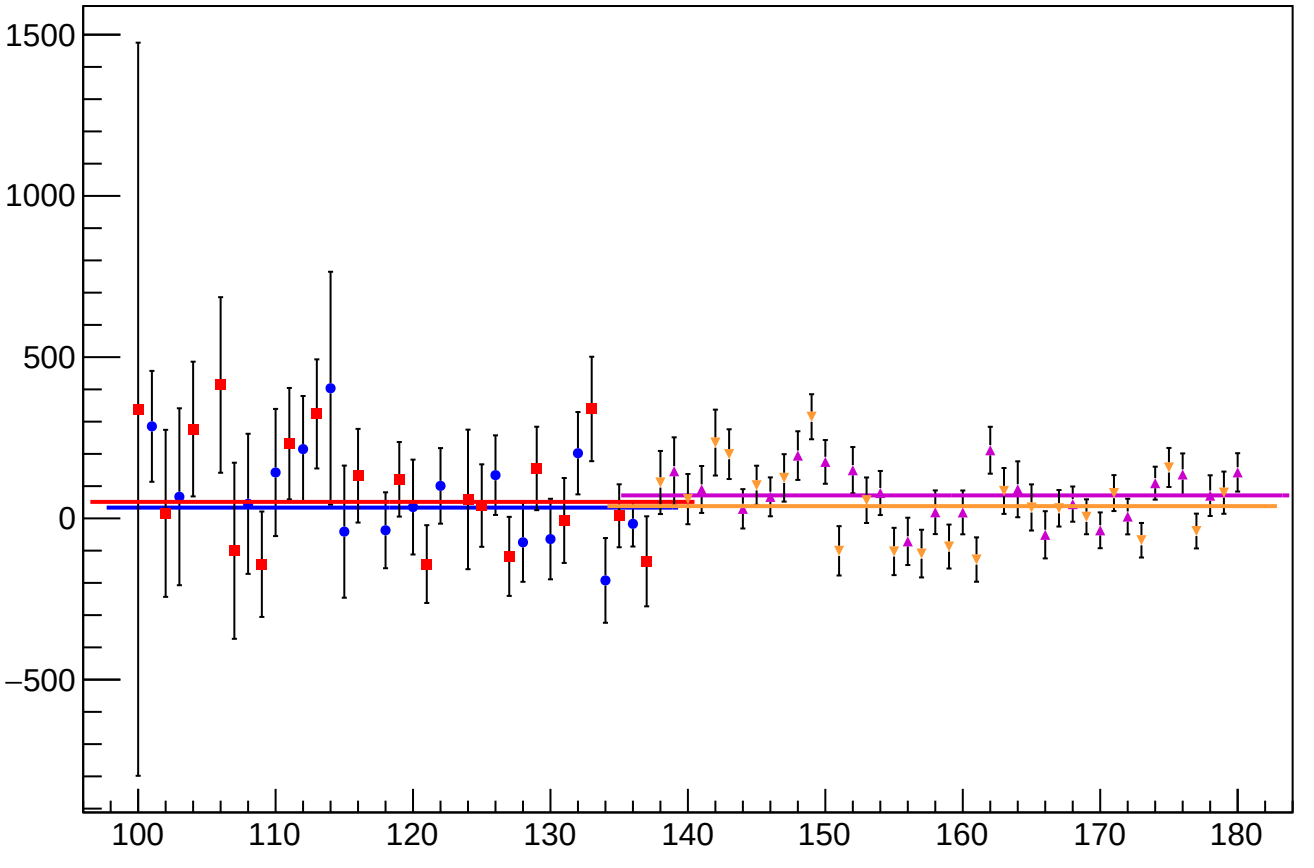
Left: 490.664+/-0.061 χ^2/NDF: 4488538.7/42

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 528.605+/-0.082 χ^2/NDF:7329635.3/36

Out: 546.969+/-0.085 χ^2/NDF:7862382.8/40

All: 537.530+/-0.059 χ^2/NDF: 15216158.0/77



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 71.285+/-14.296 χ^2/NDF:27.2/20

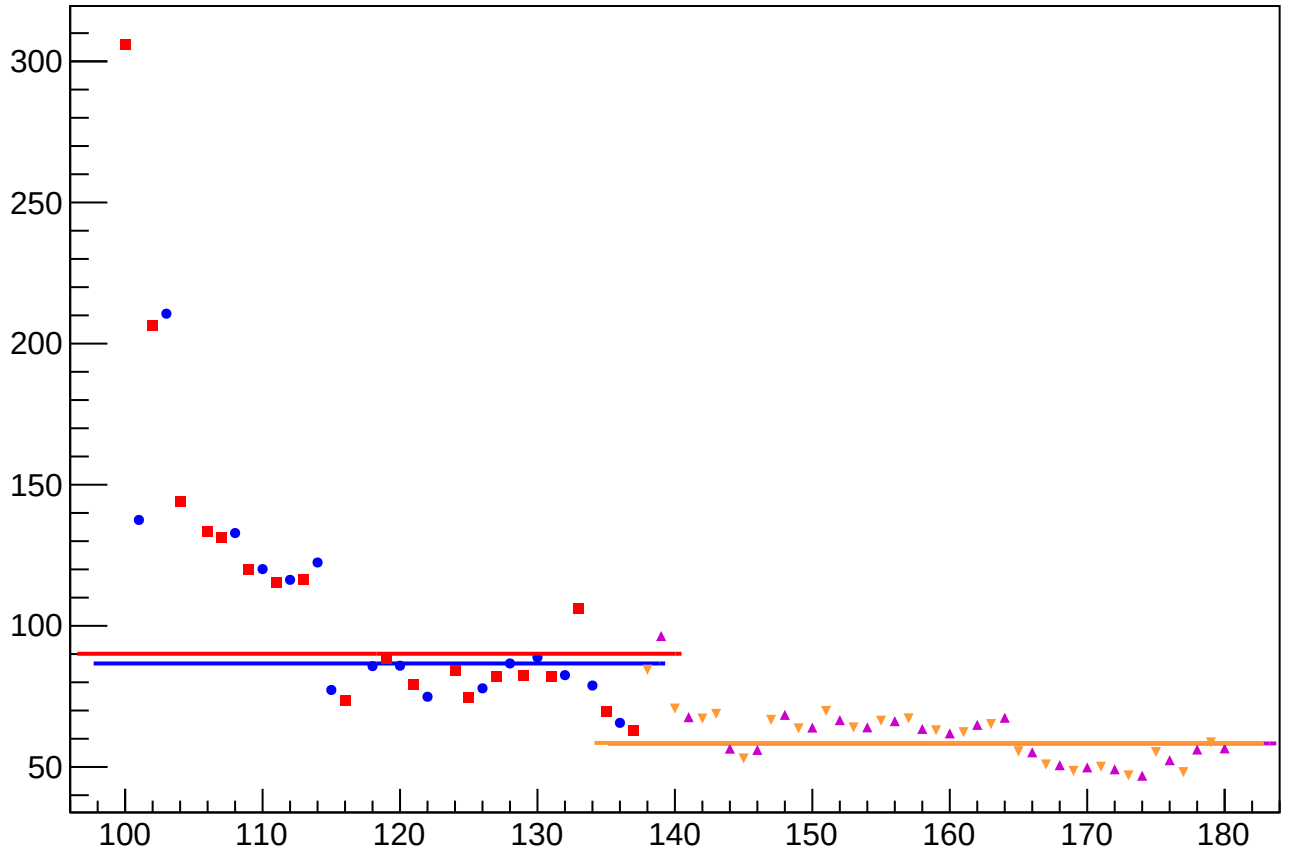
Left: 54.576+/-10.091 χ^2/NDF: 88.8/42

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 65.562+/-13.172 χ^2/NDF:41.1/36

Out: 39.875+/-13.187 χ^2/NDF:78.4/40

All: 52.733+/-9.319 χ^2/NDF: 121.5/77



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

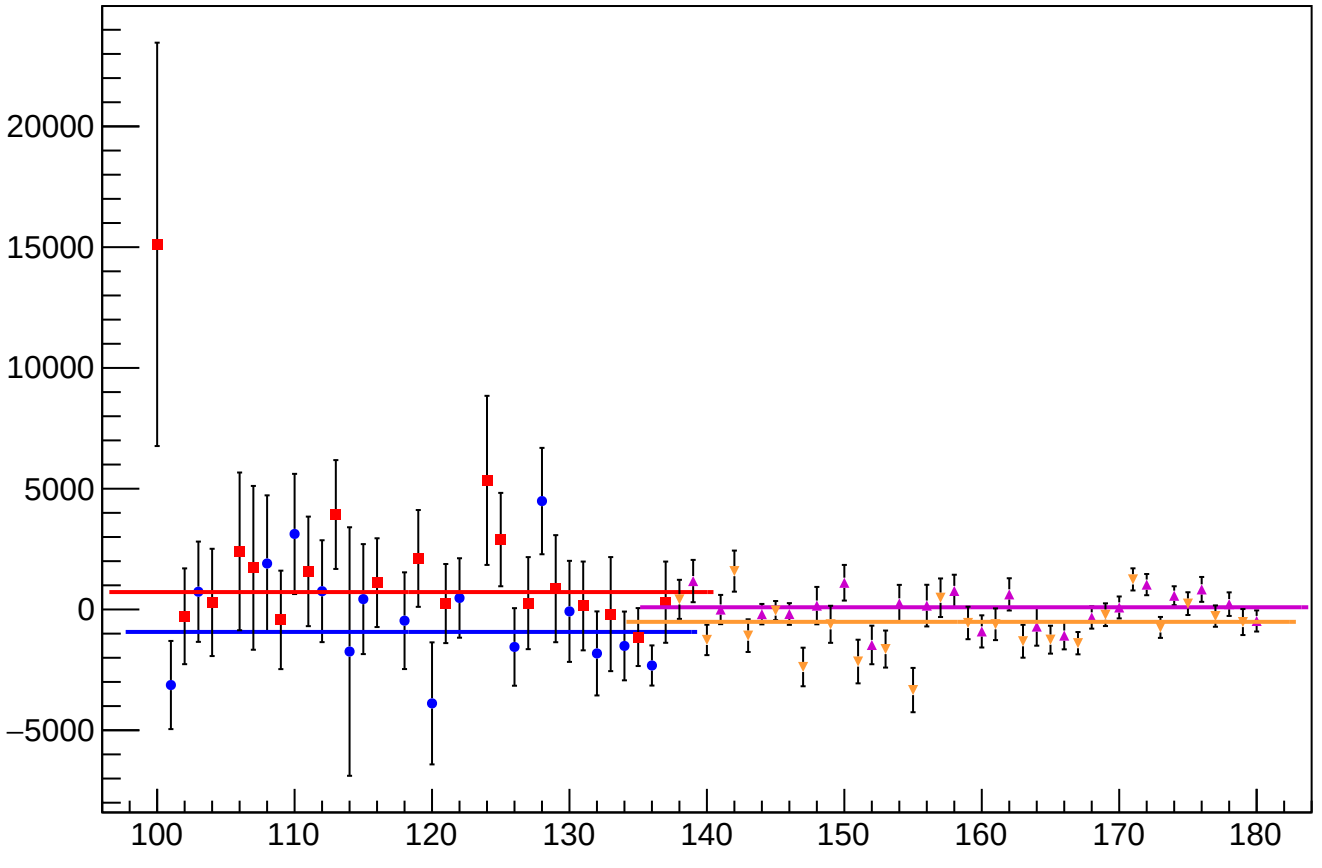
Left: 58.433+/-0.007 χ^2/NDF: 1489405.4/42

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.622+/-0.009 χ^2/NDF:2960158.5/36

Out: 63.047+/-0.009 χ^2/NDF:3307747.9/40

All: 62.834+/-0.007 χ^2/NDF: 6268949.7/77



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 91.534+/-120.827 χ^2/NDF:28.0/20

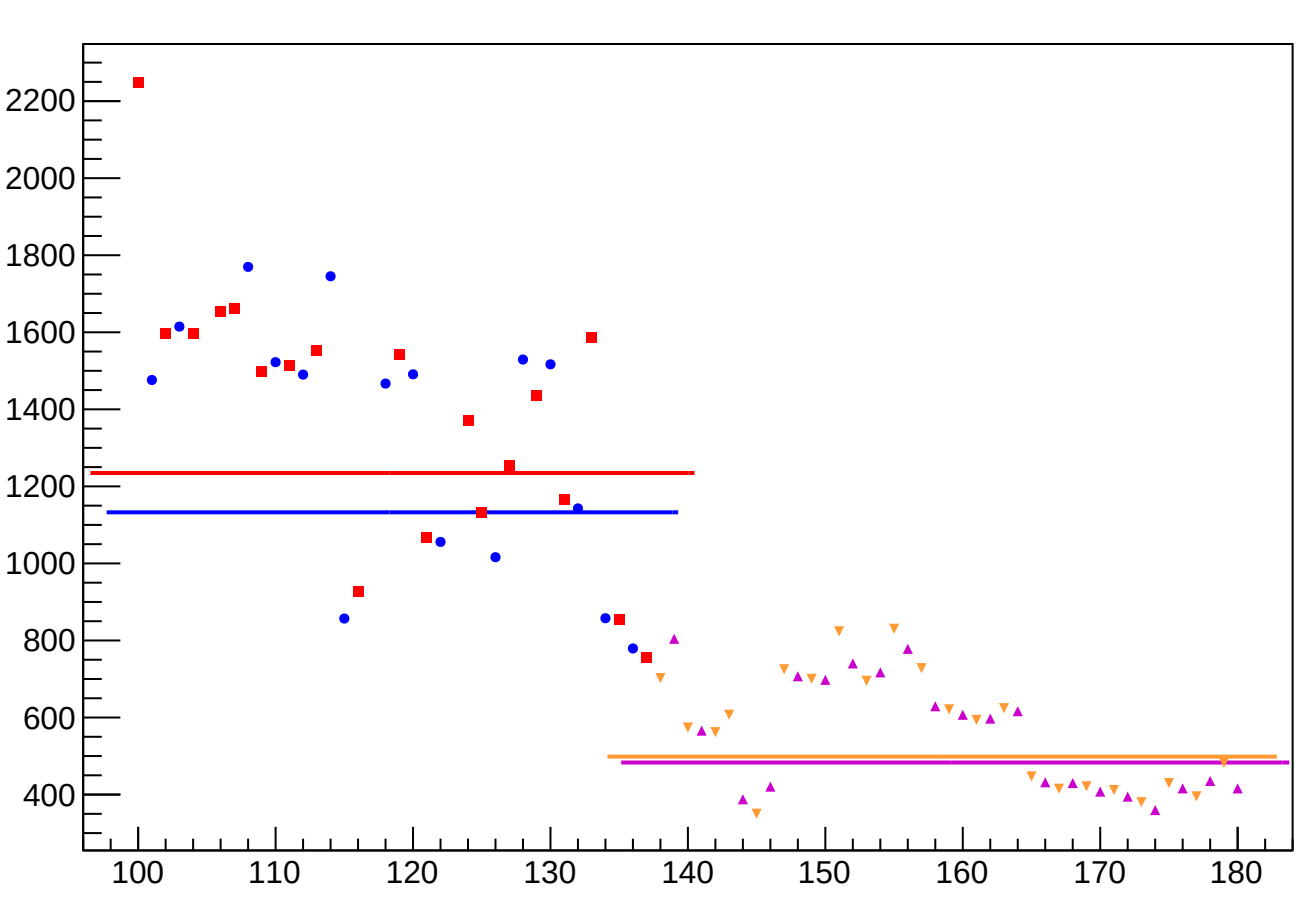
Left: -202.550+/-86.529 χ^2/NDF: 98.1/42

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 20.187+/-116.530 χ^2/NDF:51.5/36

Out: -431.499+/-119.851 χ^2/NDF:76.9/40

All: -199.312+/-83.549 χ^2/NDF: 135.7/77



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

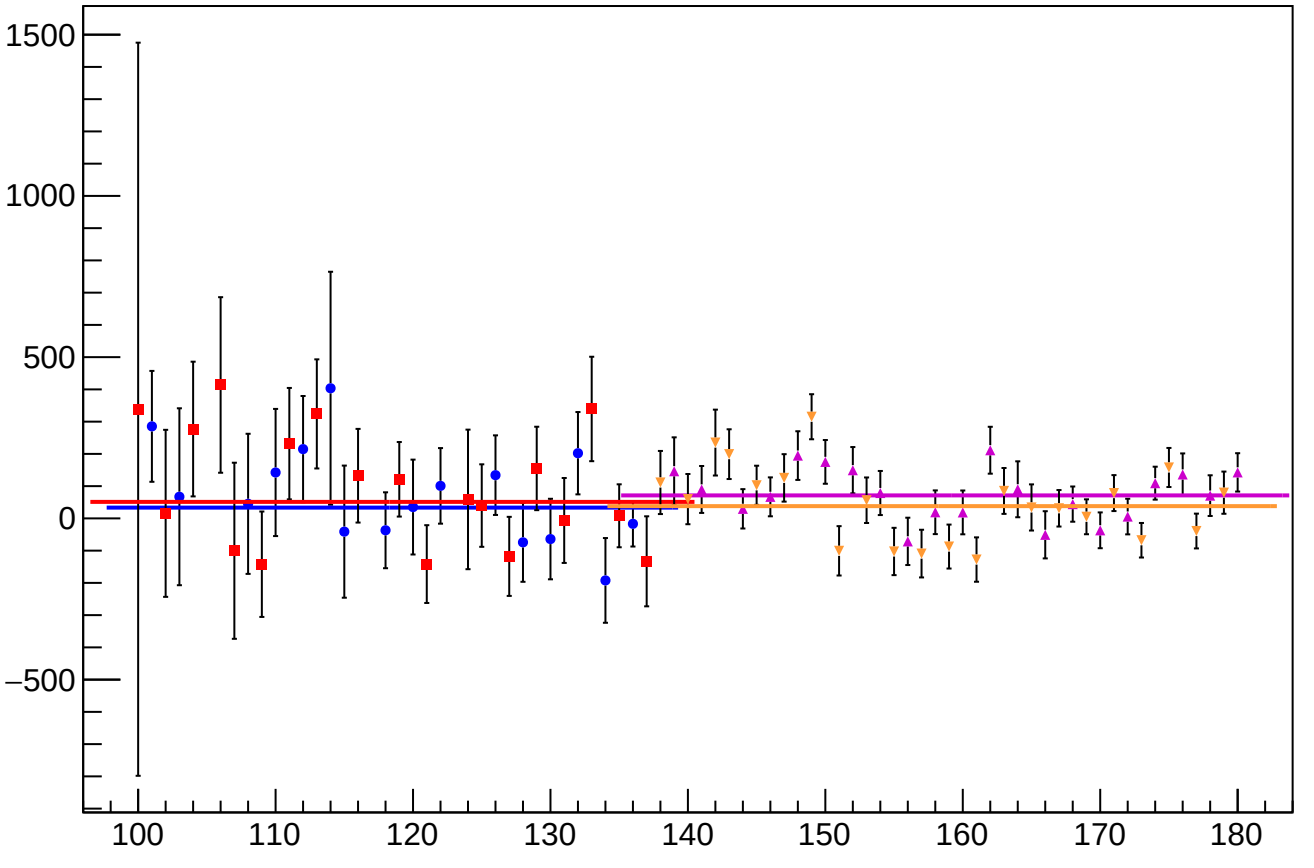
Left: 490.664+/-0.061 χ^2/NDF: 4488542.2/42

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 528.605+/-0.082 χ^2/NDF:7329663.8/36

Out: 546.657+/-0.085 χ^2/NDF:7795293.7/40

All: 537.378+/-0.059 χ^2/NDF: 15148281.3/77



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 71.285+/-14.296 χ^2/NDF:27.2/20

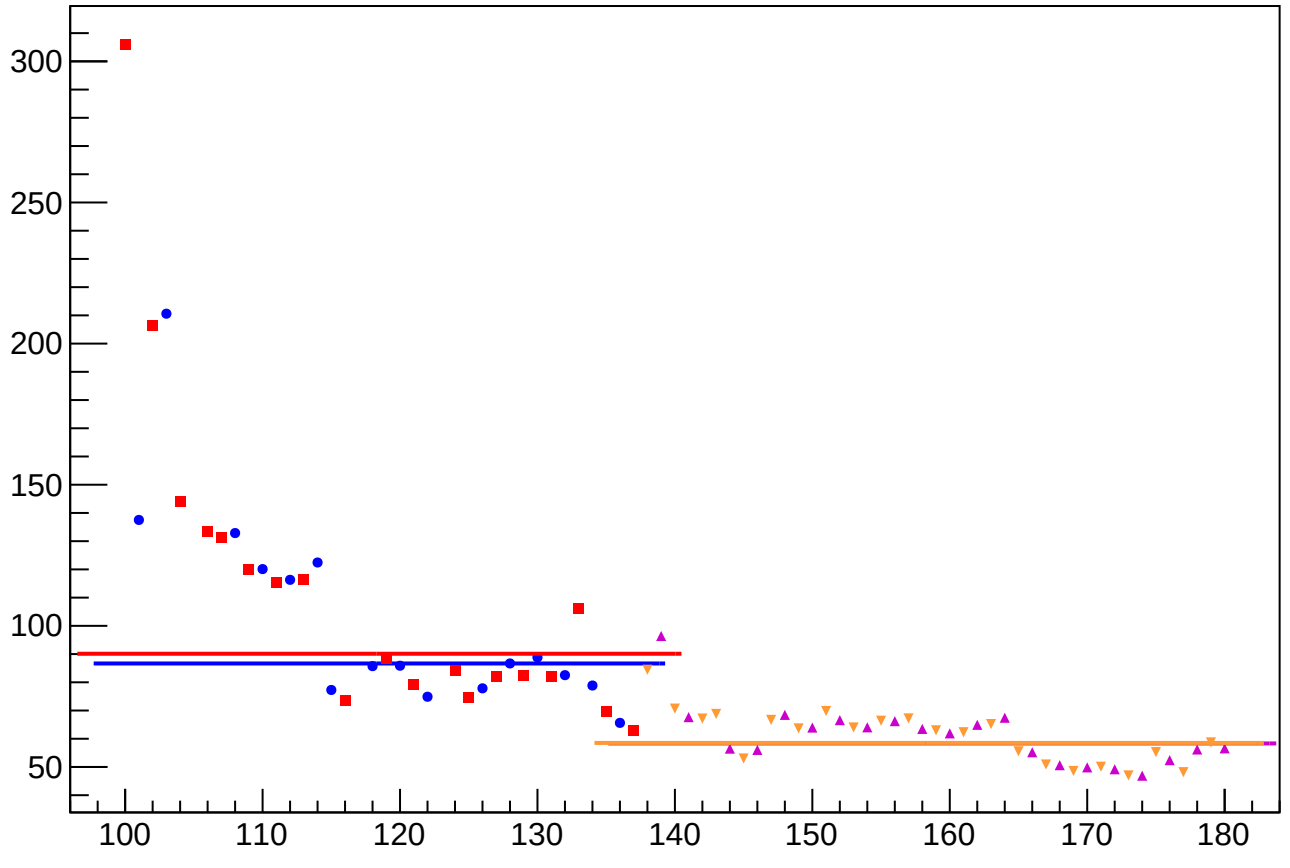
Left: 54.576+/-10.091 χ^2/NDF: 88.8/42

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 65.562+/-13.172 χ^2/NDF:41.1/36

Out: 39.875+/-13.187 χ^2/NDF:78.4/40

All: 52.733+/-9.319 χ^2/NDF: 121.5/77



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.340+/-0.010 χ^2/NDF:734684.8/20

Left: 58.433+/-0.007 χ^2/NDF: 1489405.4/42

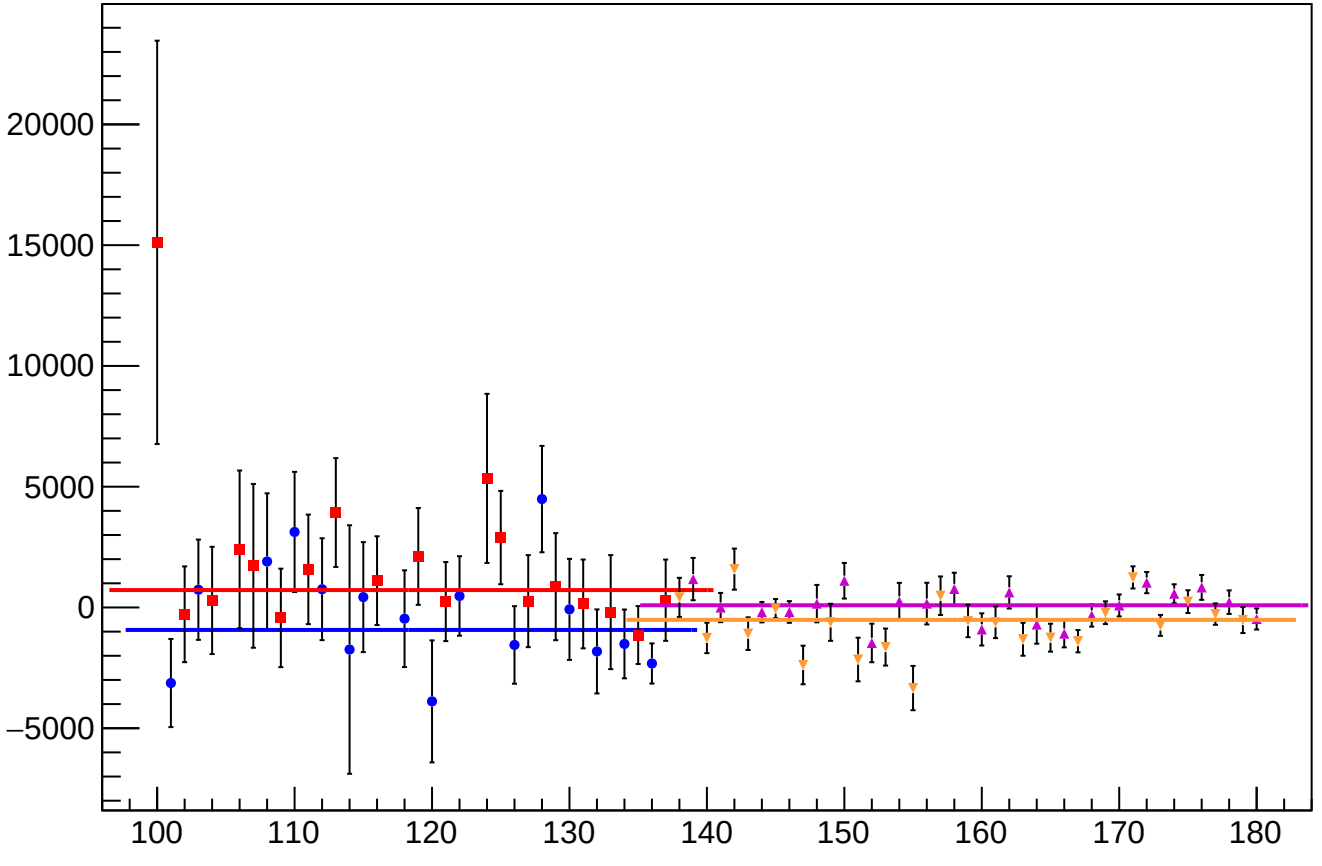
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.622+/-0.009 χ^2/NDF:2960158.5/36

Out: 63.047+/-0.009 χ^2/NDF:3307747.9/40

All: 62.834+/-0.007 χ^2/NDF: 6268949.7/77

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: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 91.534+/-120.827 χ^2/NDF:28.0/20

Left: -202.550+/-86.529 χ^2/NDF: 98.1/42

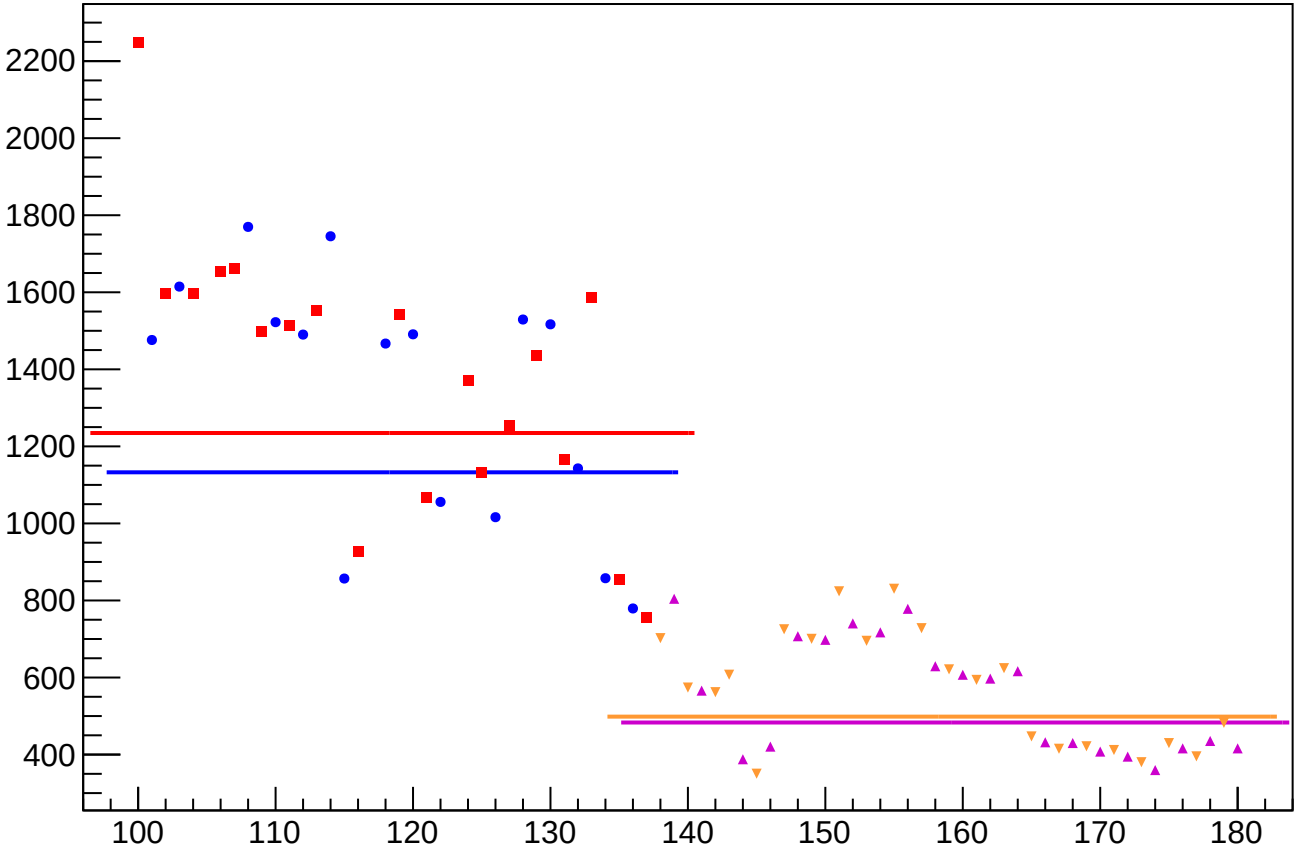
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 20.187+/-116.530 χ^2/NDF:51.5/36

Out: -431.499+/-119.851 χ^2/NDF:76.9/40

All: -199.312+/-83.549 χ^2/NDF: 135.7/77

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 483.236+/-0.085 χ^2/NDF:2168964.7/20

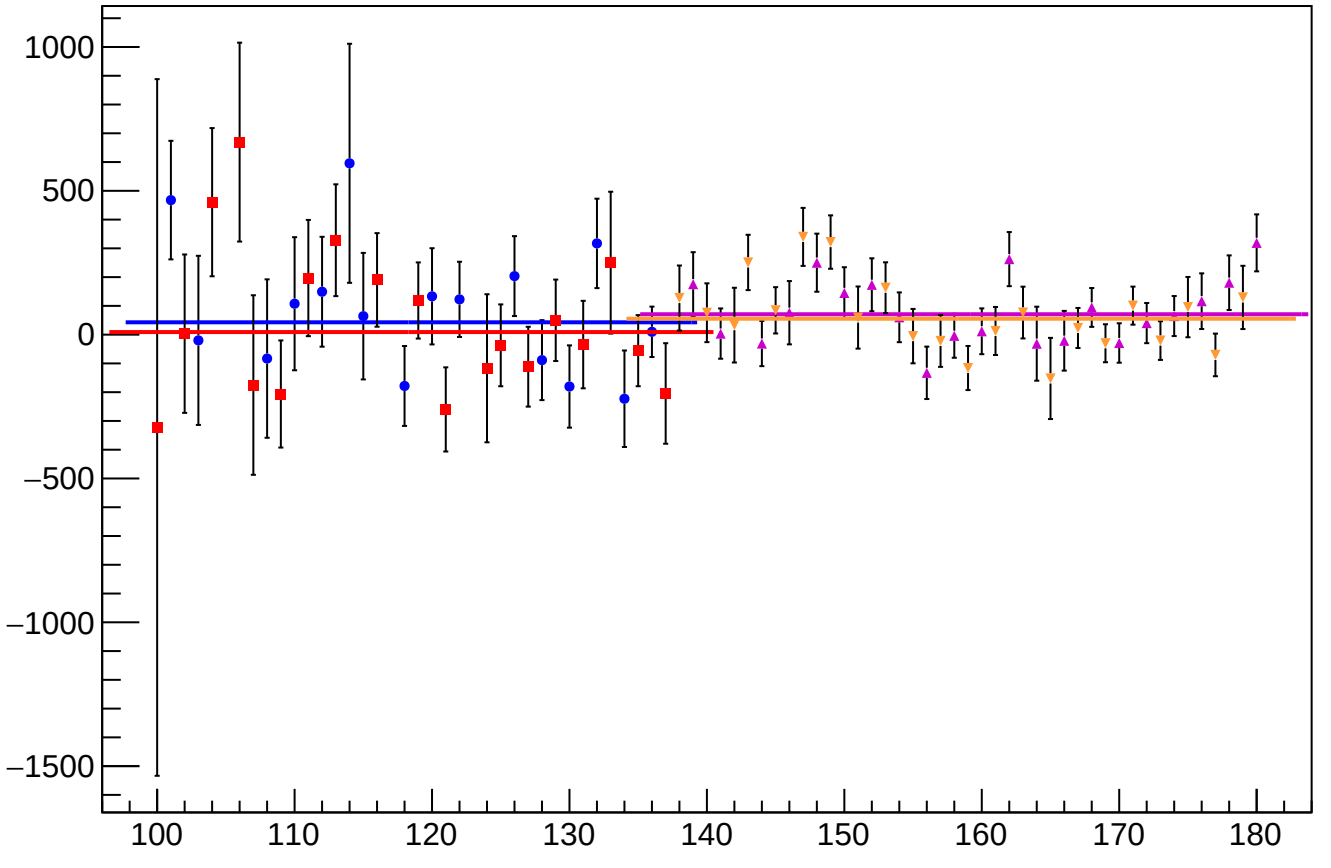
Left: 490.664+/-0.061 χ^2/NDF: 4488542.2/42

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 528.605+/-0.082 χ^2/NDF:7329663.8/36

Out: 546.657+/-0.085 χ^2/NDF:7795293.7/40

All: 537.378+/-0.059 χ^2/NDF: 15148281.3/77



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.361+/-18.611 χ^2/NDF:38.2/21

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 70.938+/-18.862 χ^2/NDF:30.6/20

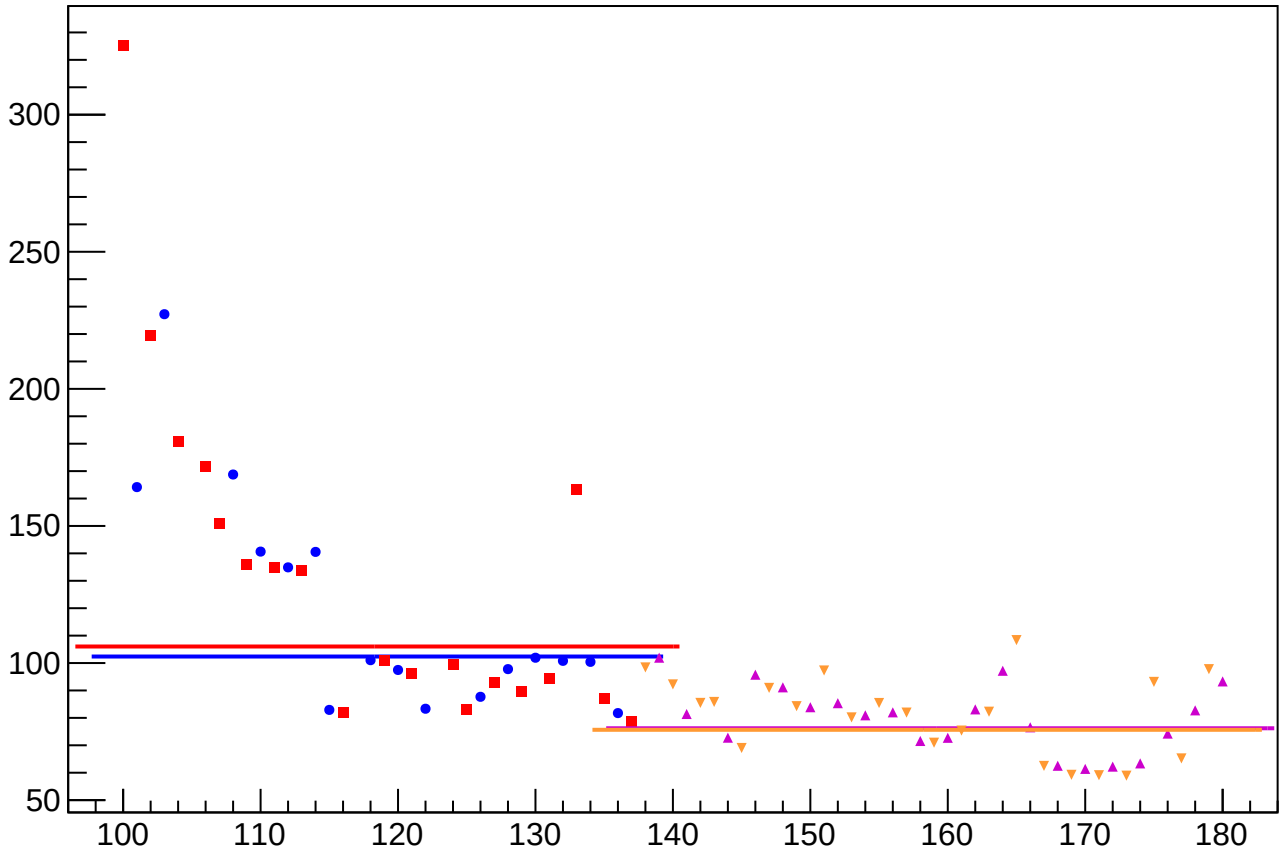
Left: 63.045+/-13.248 χ^2/NDF: 69.1/42

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 65.829+/-17.056 χ^2/NDF:51.3/36

Out: 47.458+/-16.951 χ^2/NDF:60.6/40

All: 56.587+/-12.023 χ^2/NDF: 112.5/77



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106971.0/21

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.209+/-0.013 χ^2/NDF:742050.2/20

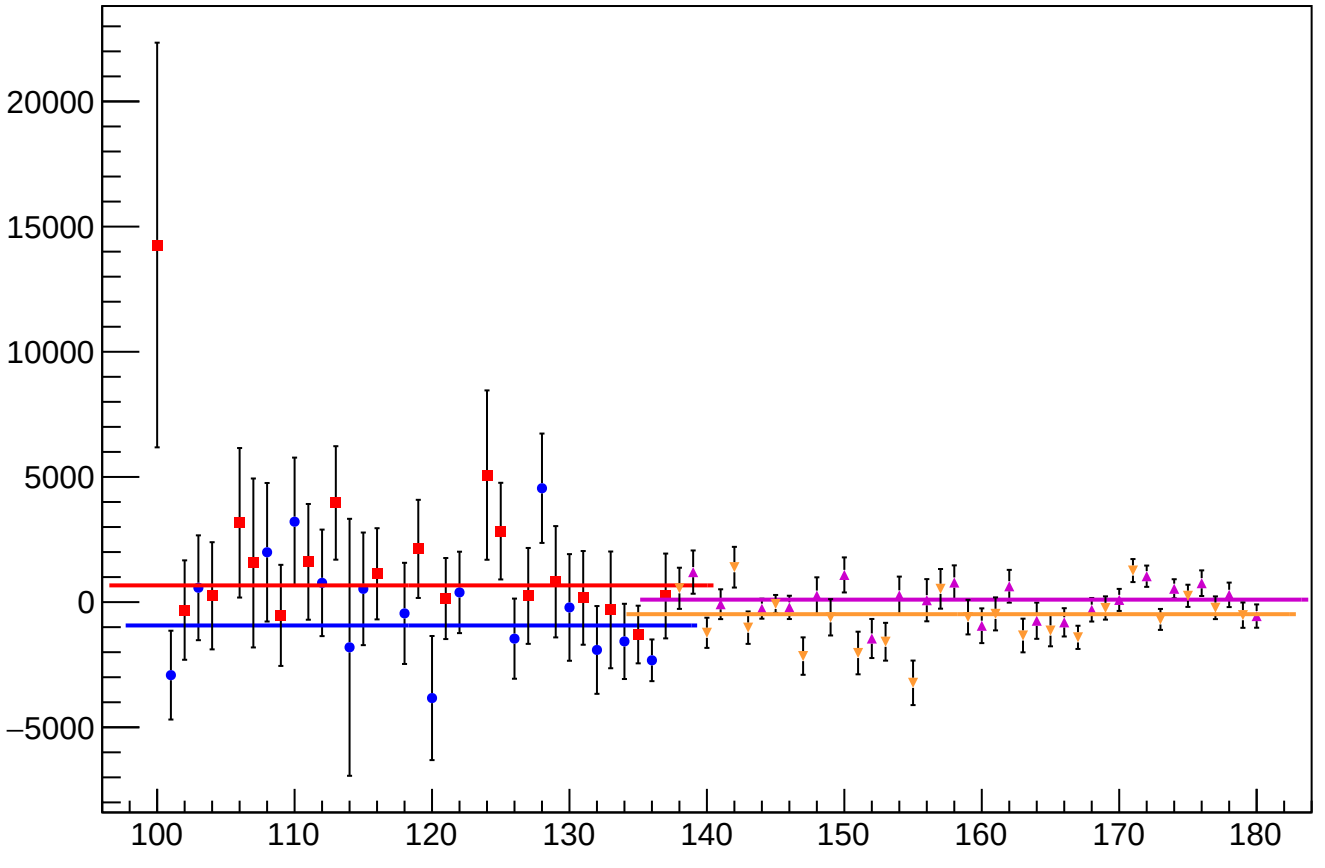
Left: 75.926+/-0.009 χ^2/NDF: 1849905.8/42

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.980+/-0.012 χ^2/NDF:2426192.6/36

Out: 80.829+/-0.012 χ^2/NDF:3206608.8/40

All: 80.904+/-0.009 χ^2/NDF: 5632879.2/77



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 99.146+/-119.441 χ^2/NDF:27.6/20

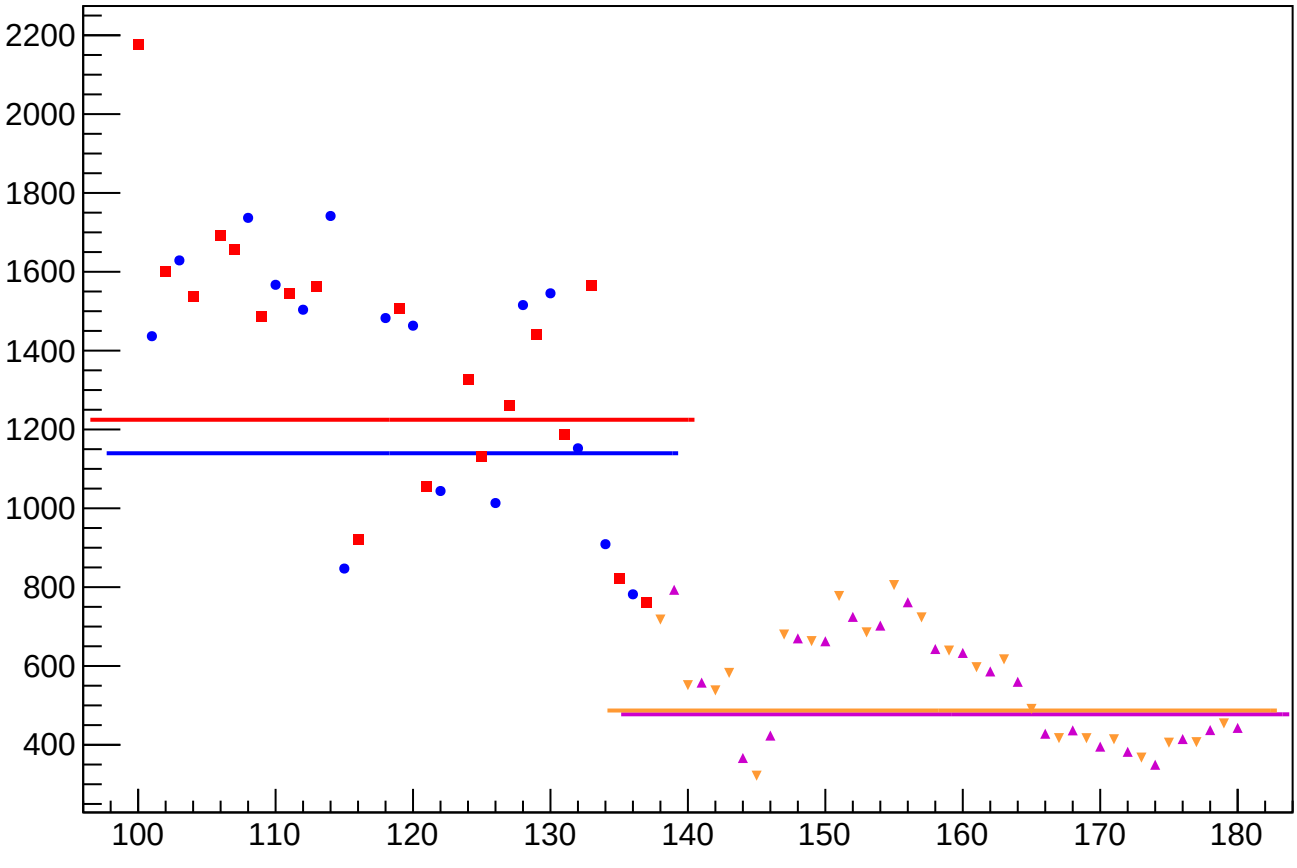
Left: -187.494+/-85.009 χ^2/NDF: 95.9/42

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 29.161+/-115.318 χ^2/NDF:51.1/36

Out: -408.249+/-117.086 χ^2/NDF:75.9/40

All: -186.217+/-82.160 χ^2/NDF: 134.1/77



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380953.5/21

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 477.437+/-0.084 χ^2/NDF:2150463.0/20

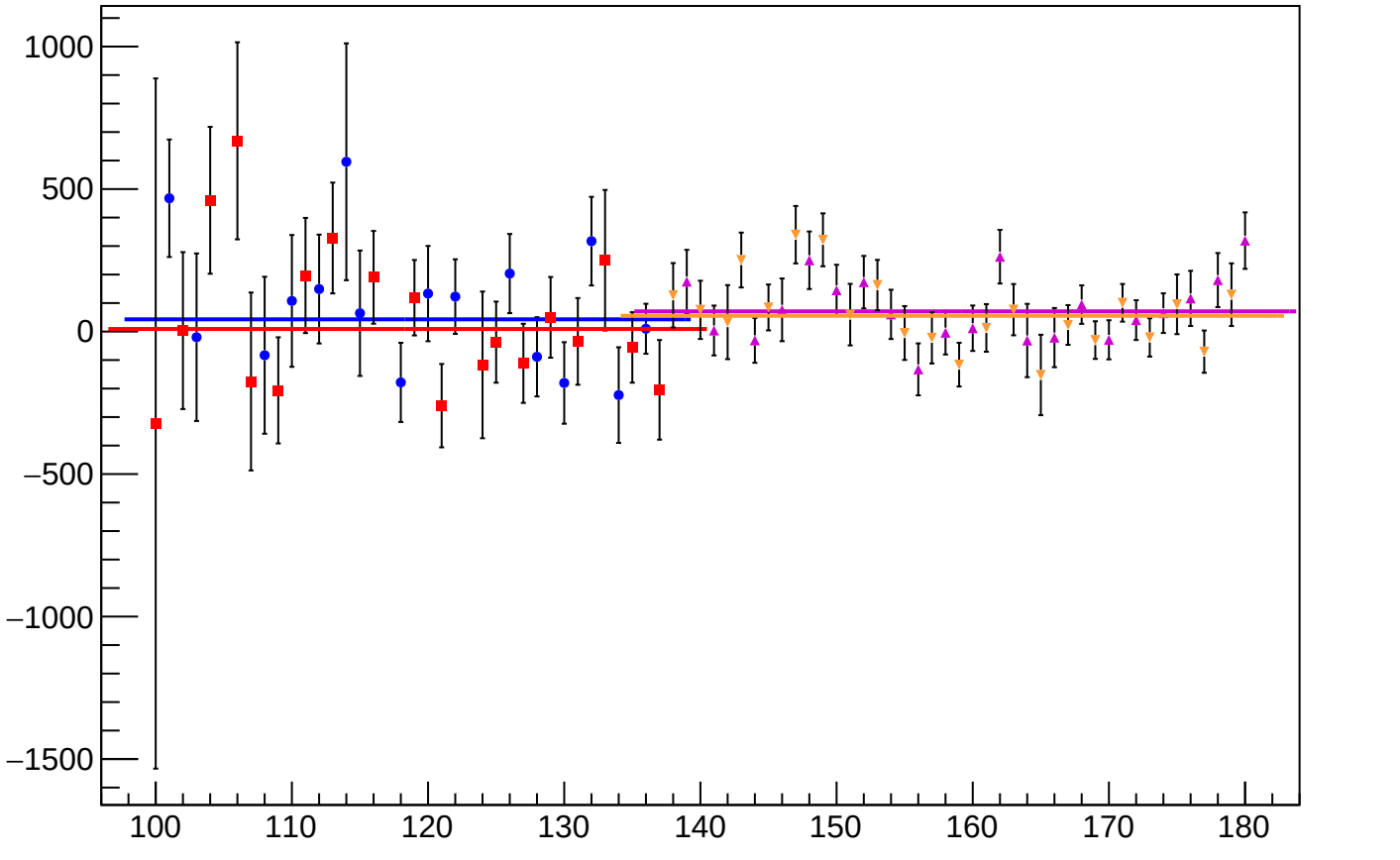
Left: 482.180+/-0.060 χ^2/NDF: 4537808.2/42

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 522.366+/-0.082 χ^2/NDF:7415022.7/36

Out: 534.175+/-0.083 χ^2/NDF:8050375.4/40

All: 528.181+/-0.058 χ^2/NDF: 15475725.1/77



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.360+/-18.611 χ^2/NDF:38.2/21

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 70.937+/-18.862 χ^2/NDF:30.6/20

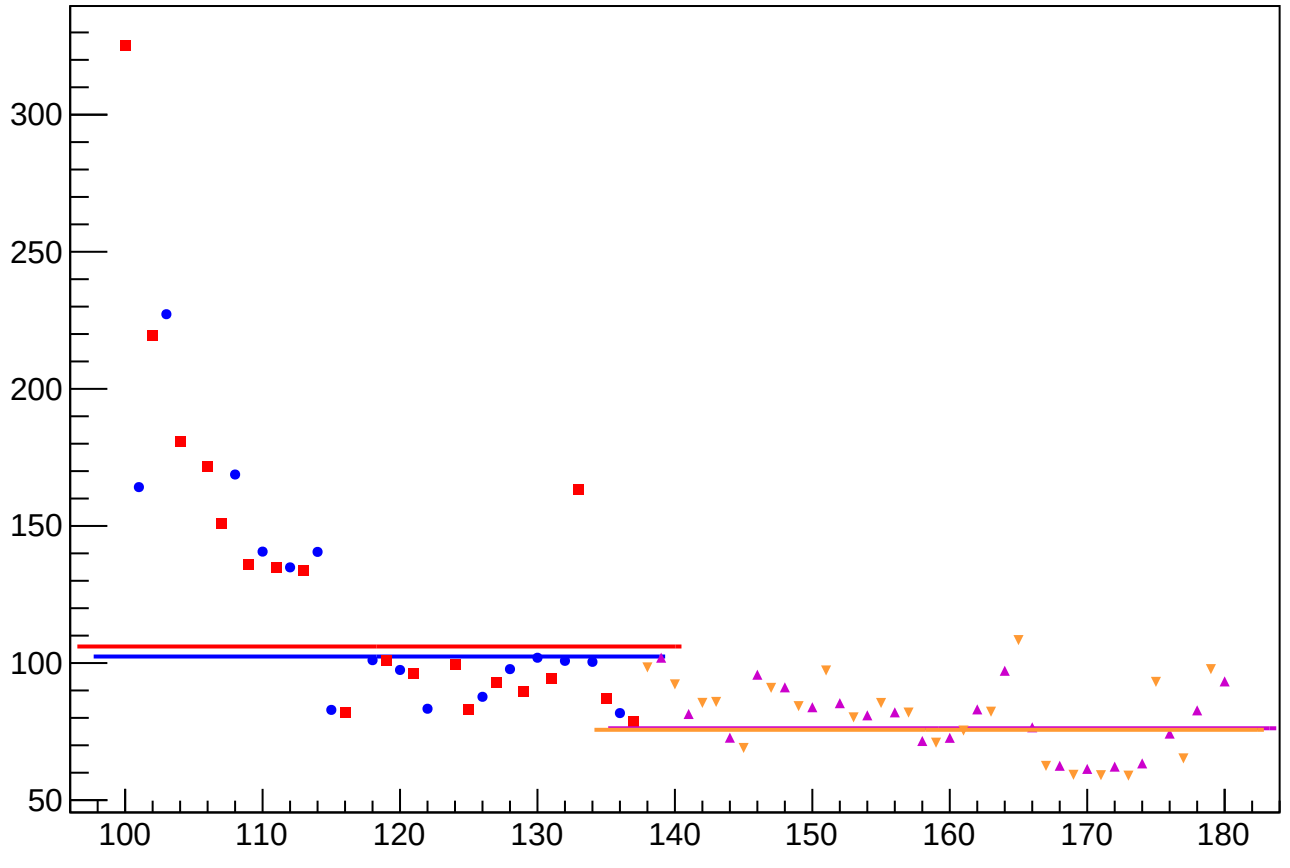
Left: 63.044+/-13.248 χ^2/NDF: 69.1/42

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 65.828+/-17.056 χ^2/NDF:51.3/36

Out: 47.457+/-16.951 χ^2/NDF:60.6/40

All: 56.586+/-12.023 χ^2/NDF: 112.5/77



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106974.3/21

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.209+/-0.013 χ^2/NDF:742043.7/20

Left: 75.927+/-0.009 χ^2/NDF: 1849902.7/42

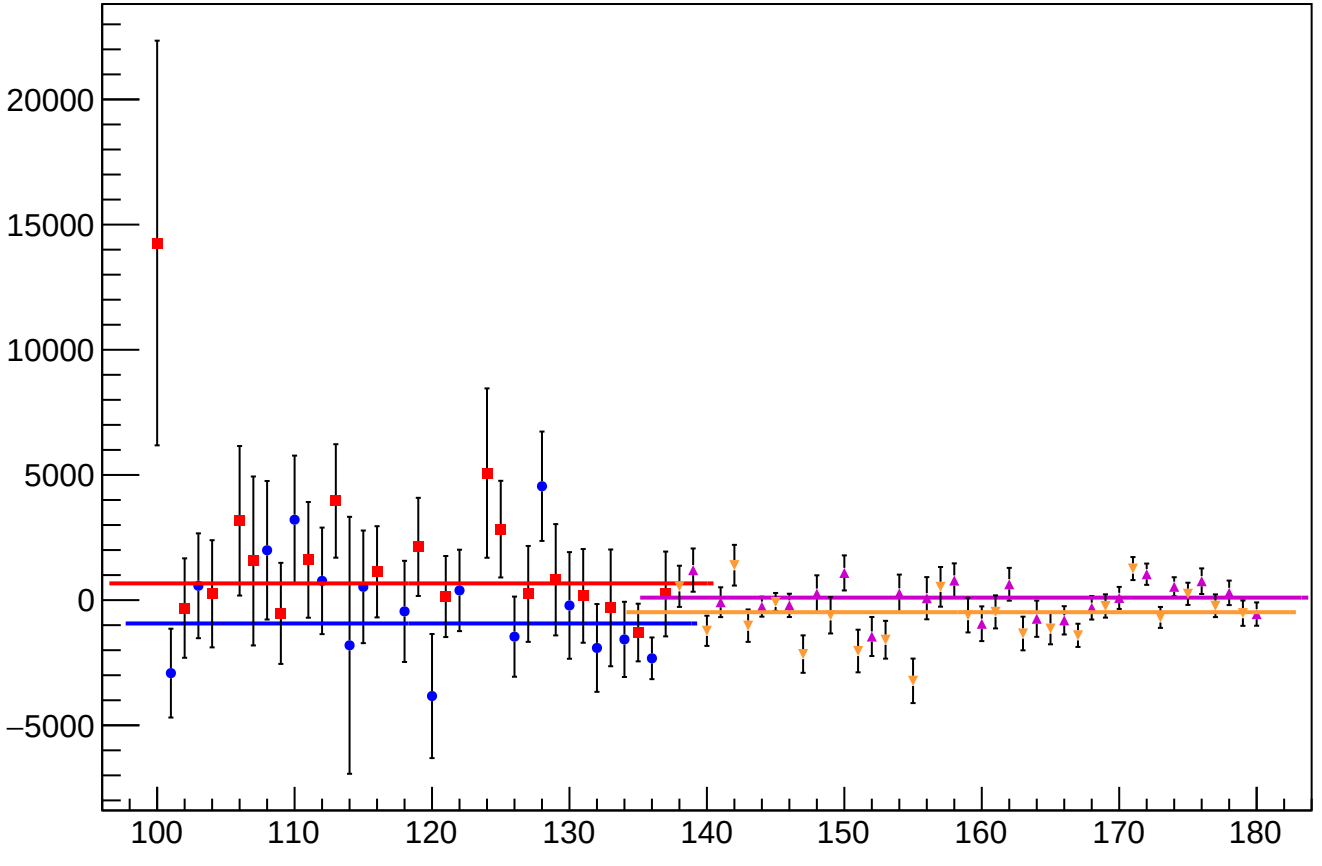
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.980+/-0.012 χ^2/NDF:2426154.9/36

Out: 80.830+/-0.012 χ^2/NDF:3206593.9/40

All: 80.904+/-0.009 χ^2/NDF: 5632826.7/77

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: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 99.145+/-119.441 χ^2/NDF:27.6/20

Left: -187.494+/-85.009 χ^2/NDF: 95.9/42

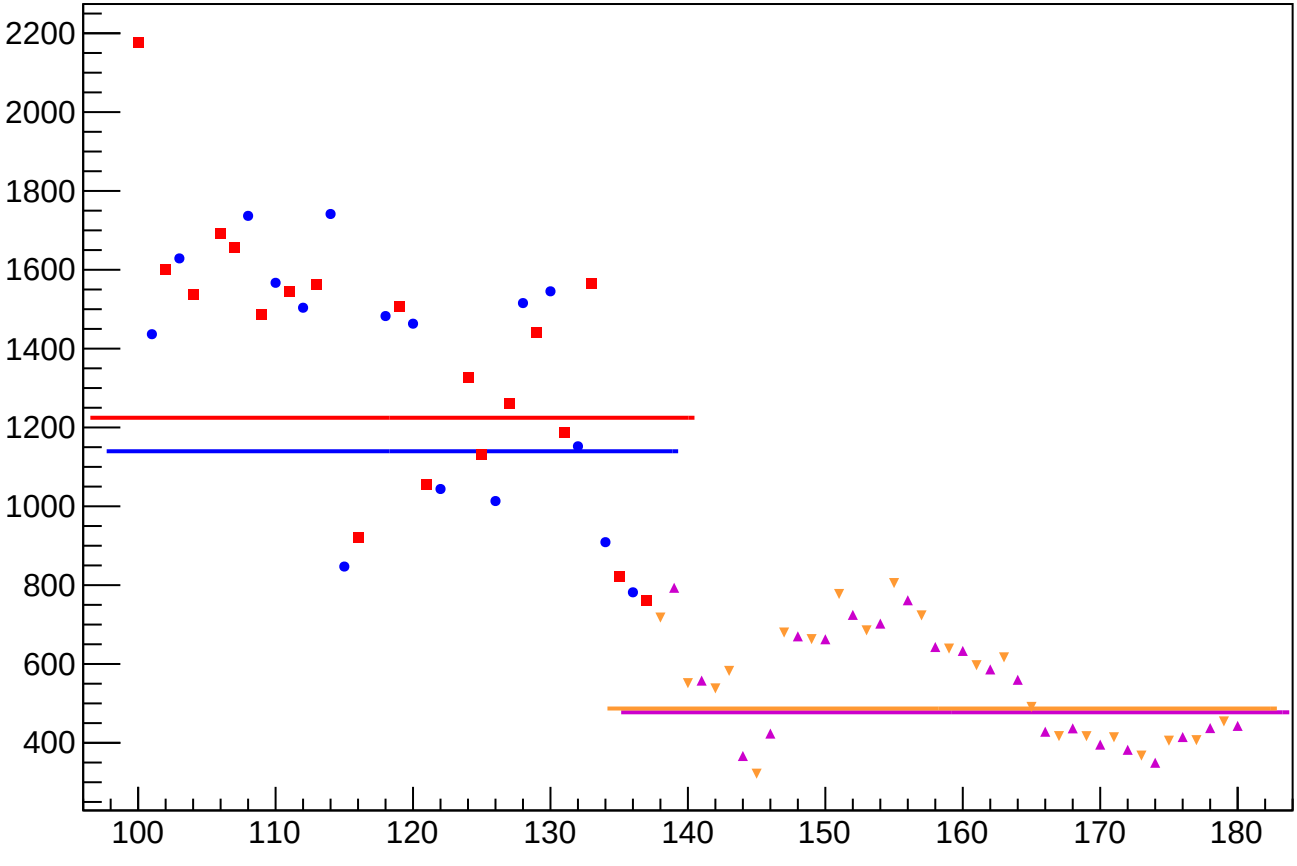
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 29.160+/-115.318 χ^2/NDF:51.1/36

Out: -408.249+/-117.086 χ^2/NDF:75.9/40

All: -186.217+/-82.160 χ^2/NDF: 134.1/77

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: 487.049+/-0.086 χ^2/NDF:2380957.7/21

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 477.437+/-0.084 χ^2/NDF:2150456.7/20

Left: 482.180+/-0.060 χ^2/NDF: 4537805.7/42

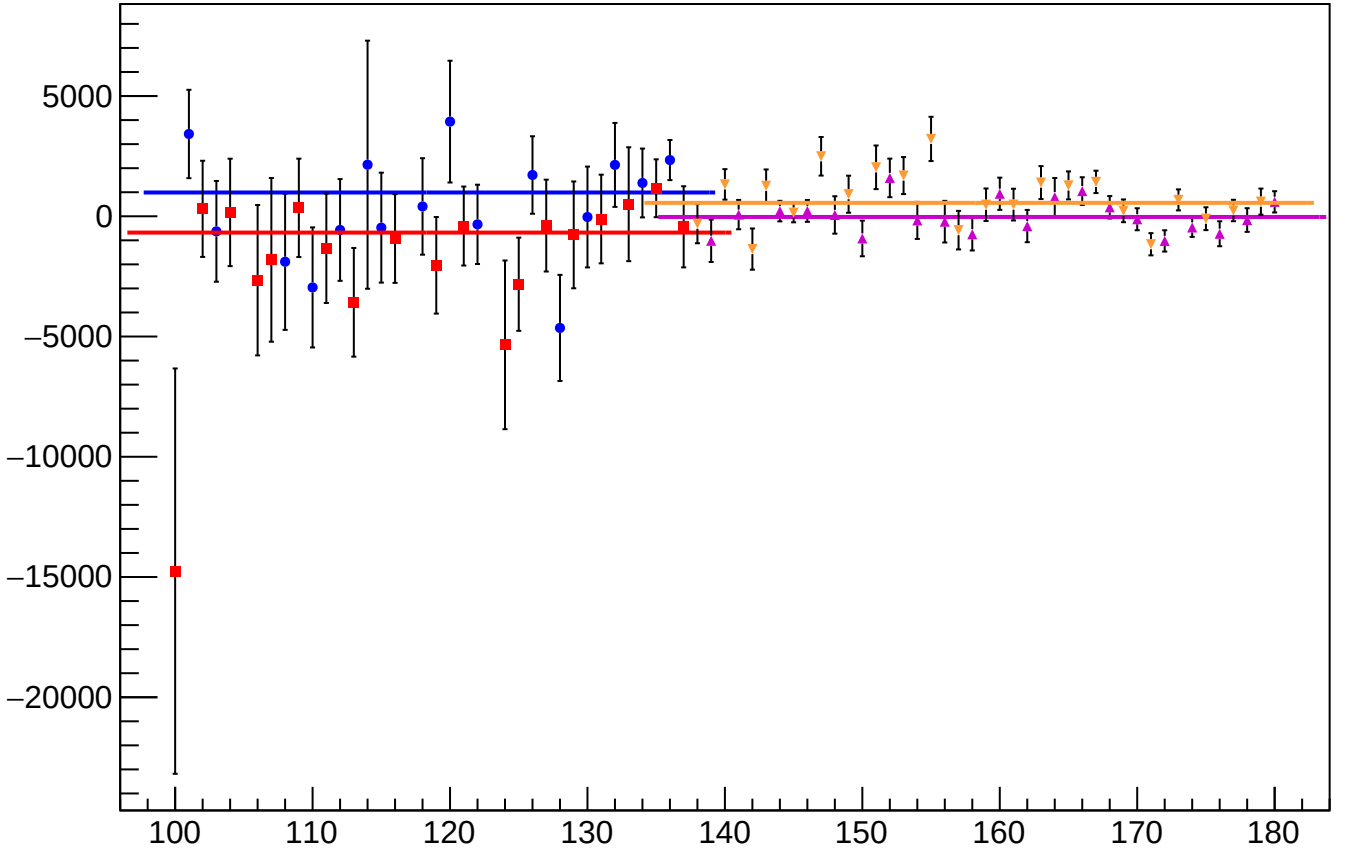
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 522.366+/-0.082 χ^2/NDF:7415001.6/36

Out: 534.175+/-0.083 χ^2/NDF:8050367.8/40

All: 528.181+/-0.058 χ^2/NDF: 15475695.9/77

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 558.669+/-124.888 χ^2/NDF:54.5/21

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -28.410+/-121.781 χ^2/NDF:26.6/20

Left: 257.737+/-87.190 χ^2/NDF: 92.5/42

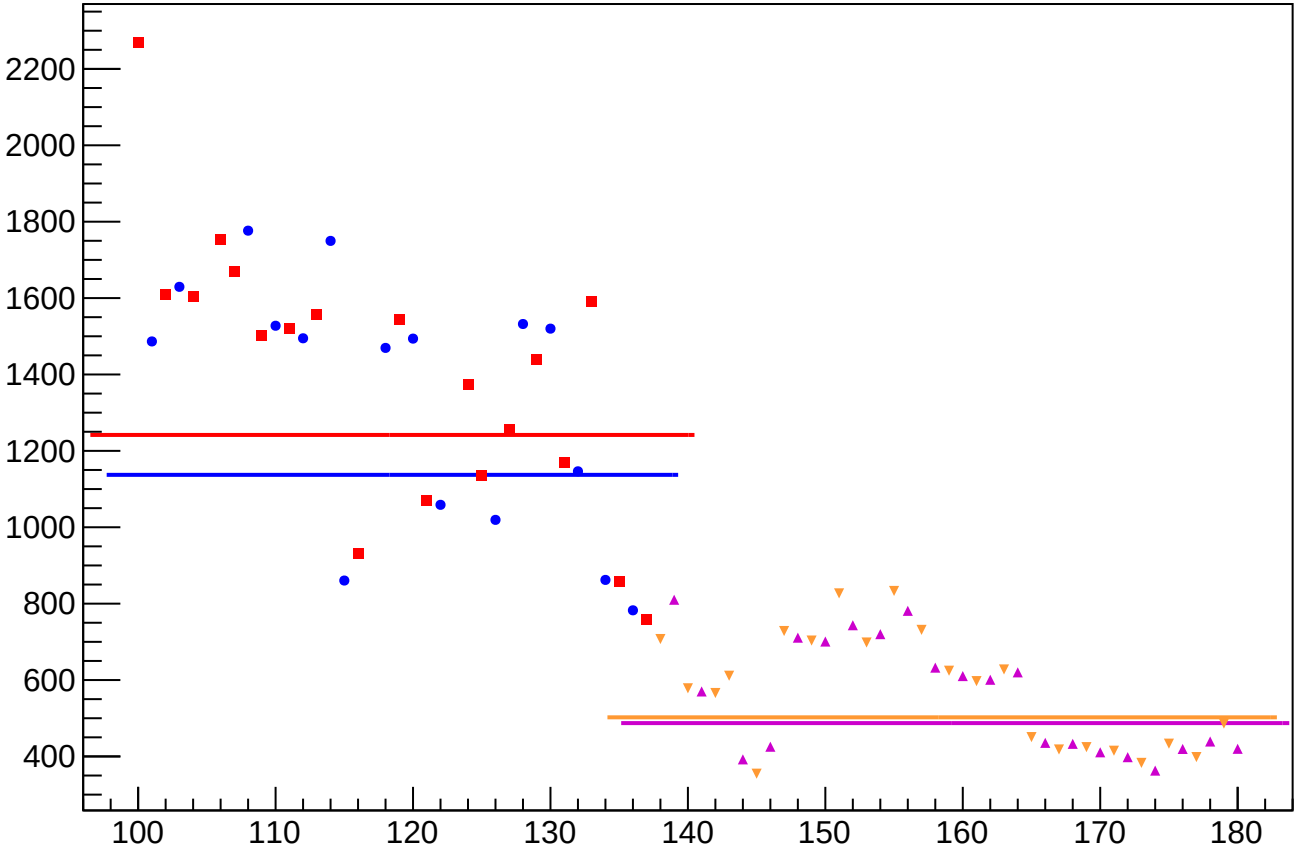
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 43.206+/-117.418 χ^2/NDF:50.6/36

Out: 477.023+/-120.693 χ^2/NDF:72.9/40

All: 254.149+/-84.161 χ^2/NDF: 130.1/77

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 502.373+/-0.088 χ^2/NDF:2275187.8/21

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 487.269+/-0.086 χ^2/NDF:2141450.8/20

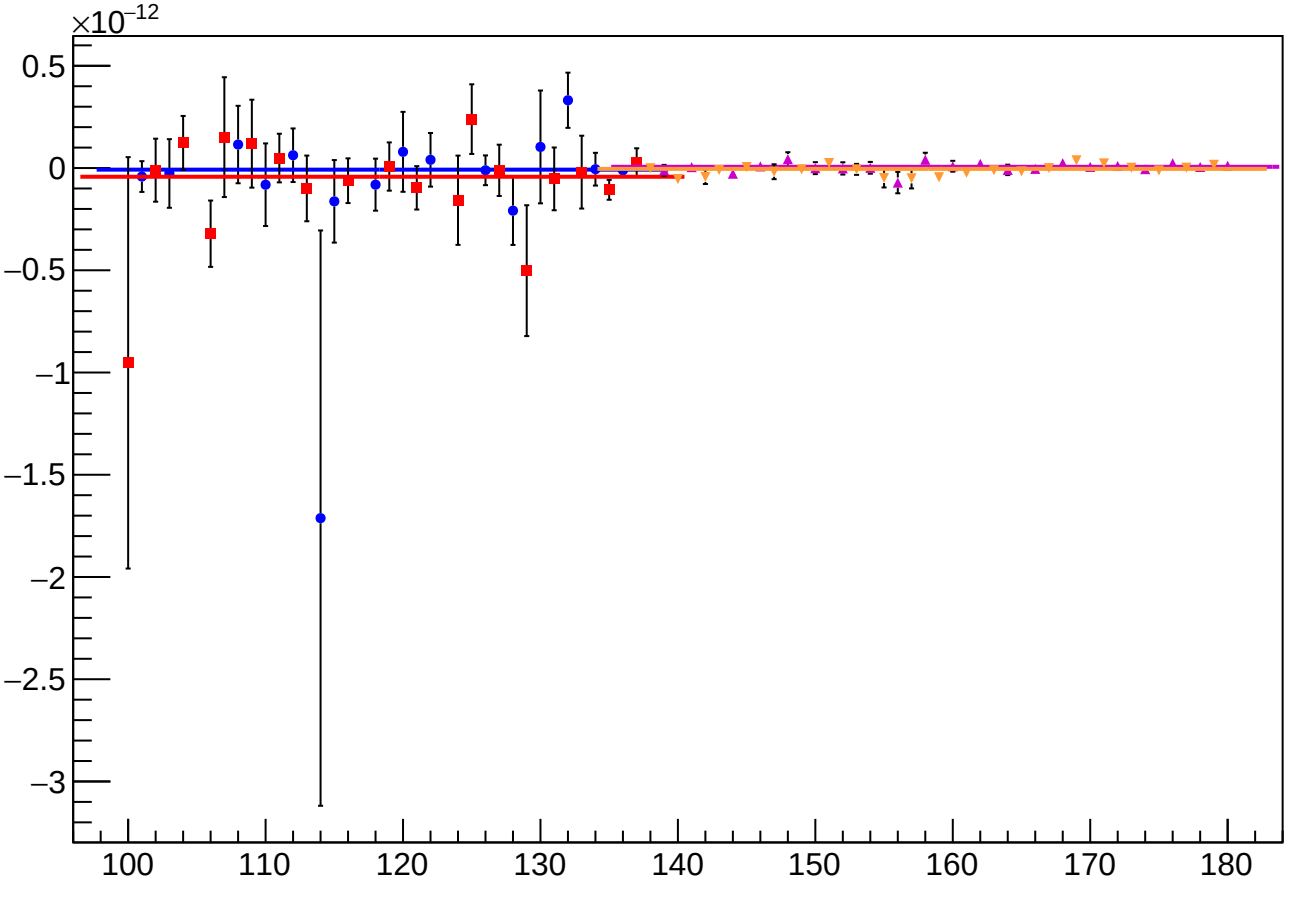
Left: 494.631+/-0.062 χ^2/NDF: 4431632.9/42

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 533.005+/-0.083 χ^2/NDF:7273908.9/36

Out: 551.199+/-0.085 χ^2/NDF:7803636.7/40

All: 541.852+/-0.060 χ^2/NDF: 15100894.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/20

Left: -0.000+/-0.000 χ^2/NDF: 45.2/42

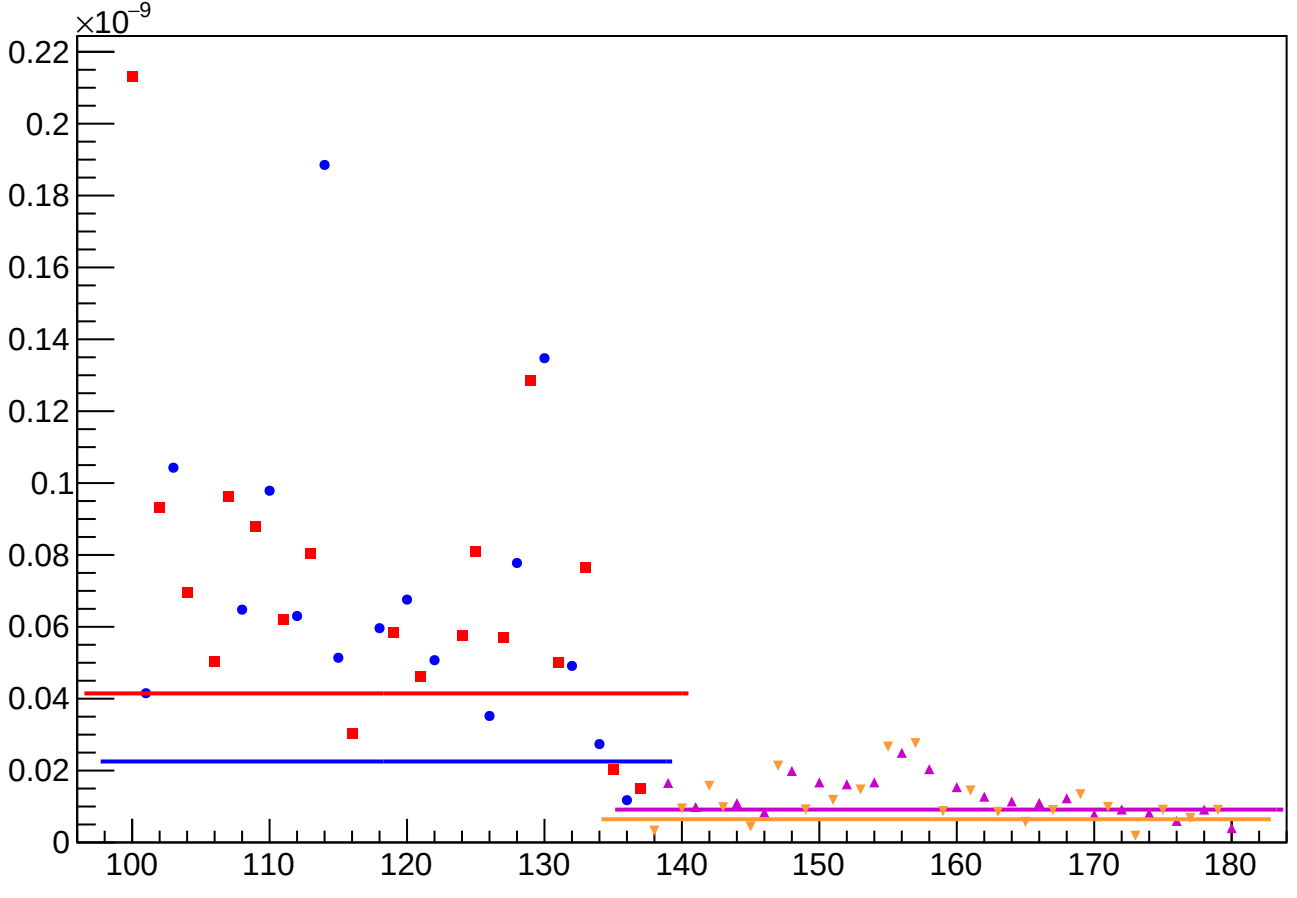
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.8/36

Out: -0.000+/-0.000 χ^2/NDF:45.5/40

All: -0.000+/-0.000 χ^2/NDF: 75.1/77

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3713727.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2215303.6/20

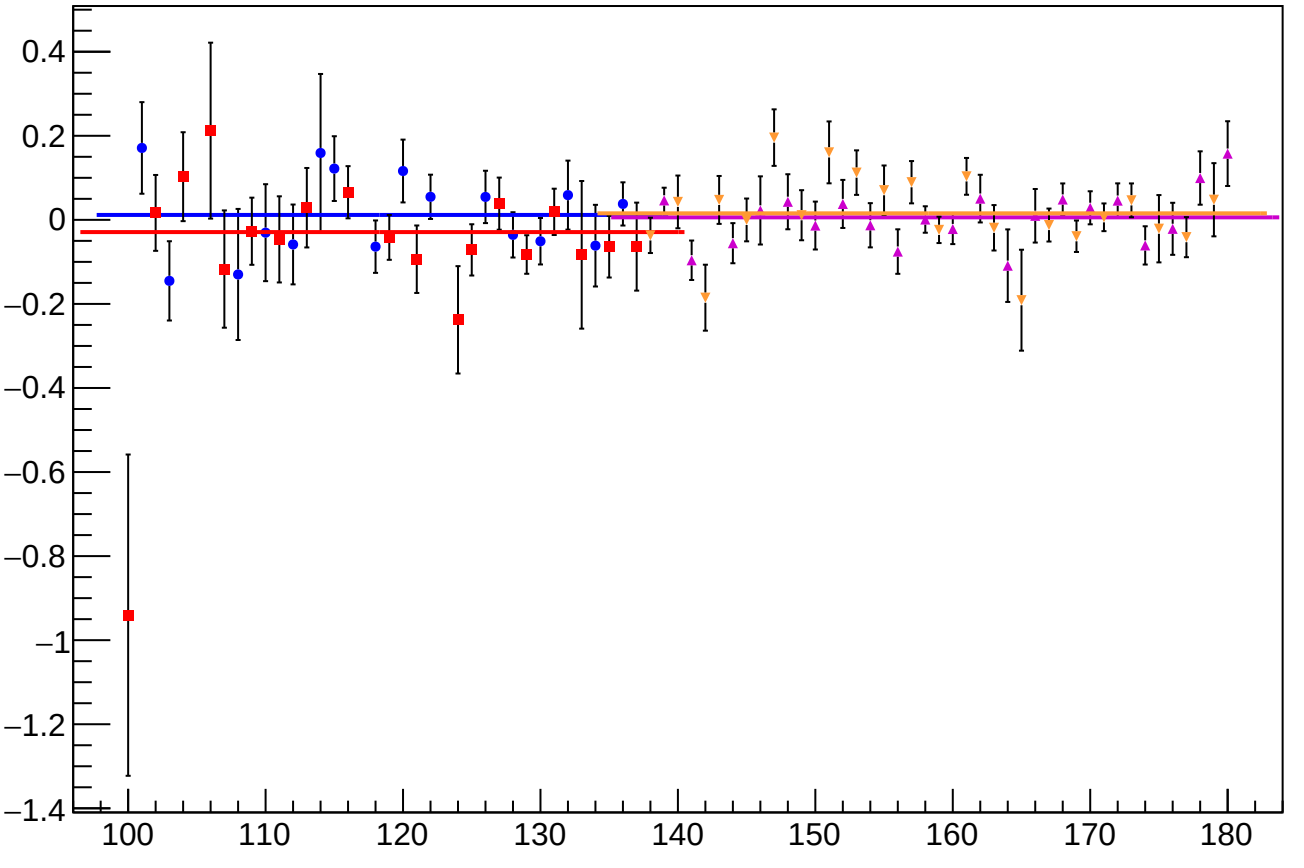
Left: 0.000+/-0.000 χ^2/NDF: 6461595.9/42

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:6196401.6/36

Out: 0.000+/-0.000 χ^2/NDF:8861385.9/40

All: 0.000+/-0.000 χ^2/NDF: 15699905.1/77



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.010 χ^2/NDF:25.4/20

Left: 0.011+/-0.007 χ^2/NDF: 66.0/42

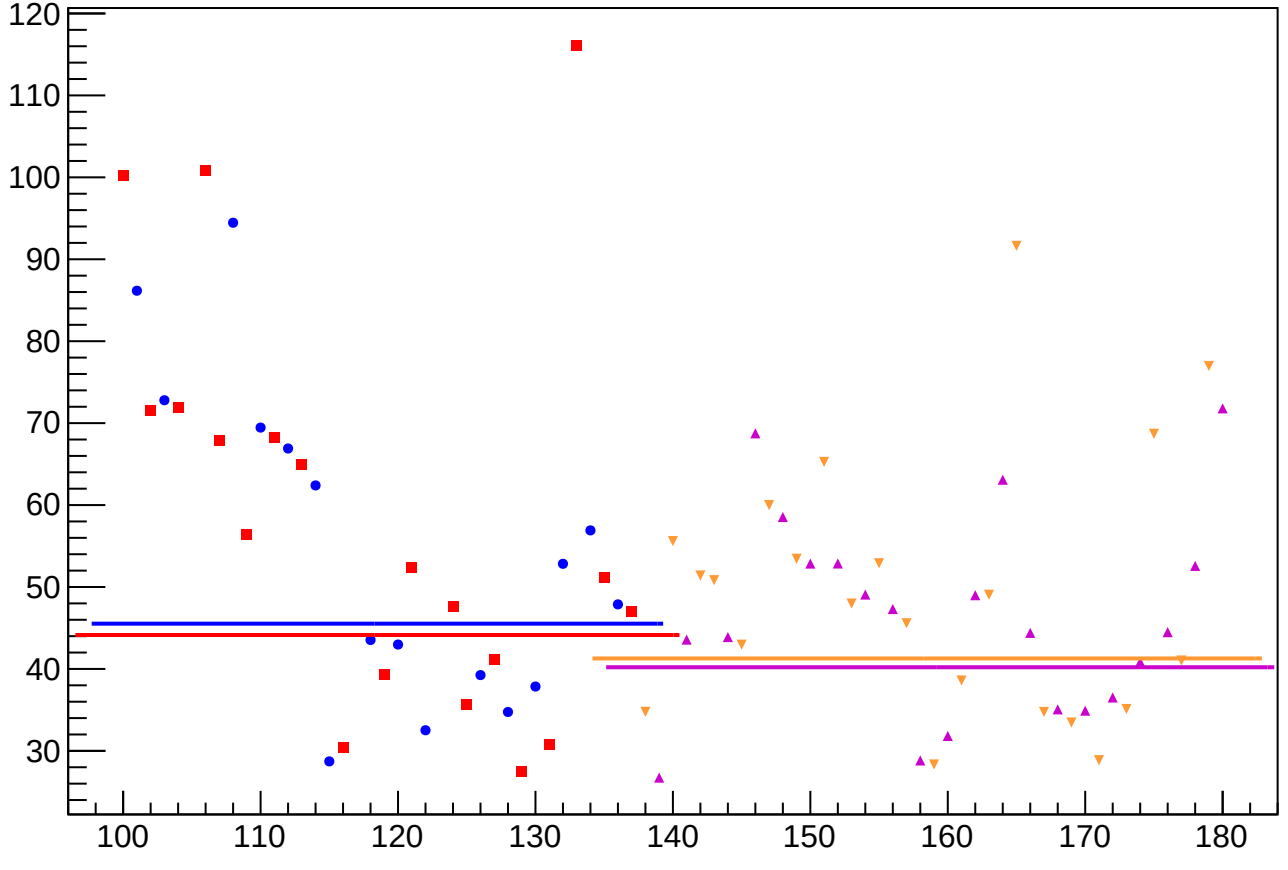
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.3/36

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.006+/-0.006 χ^2/NDF: 106.7/77

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.206+/-0.007 χ^2/NDF:2195239.2/20

Left: 40.734+/-0.005 χ^2/NDF: 4811449.9/42

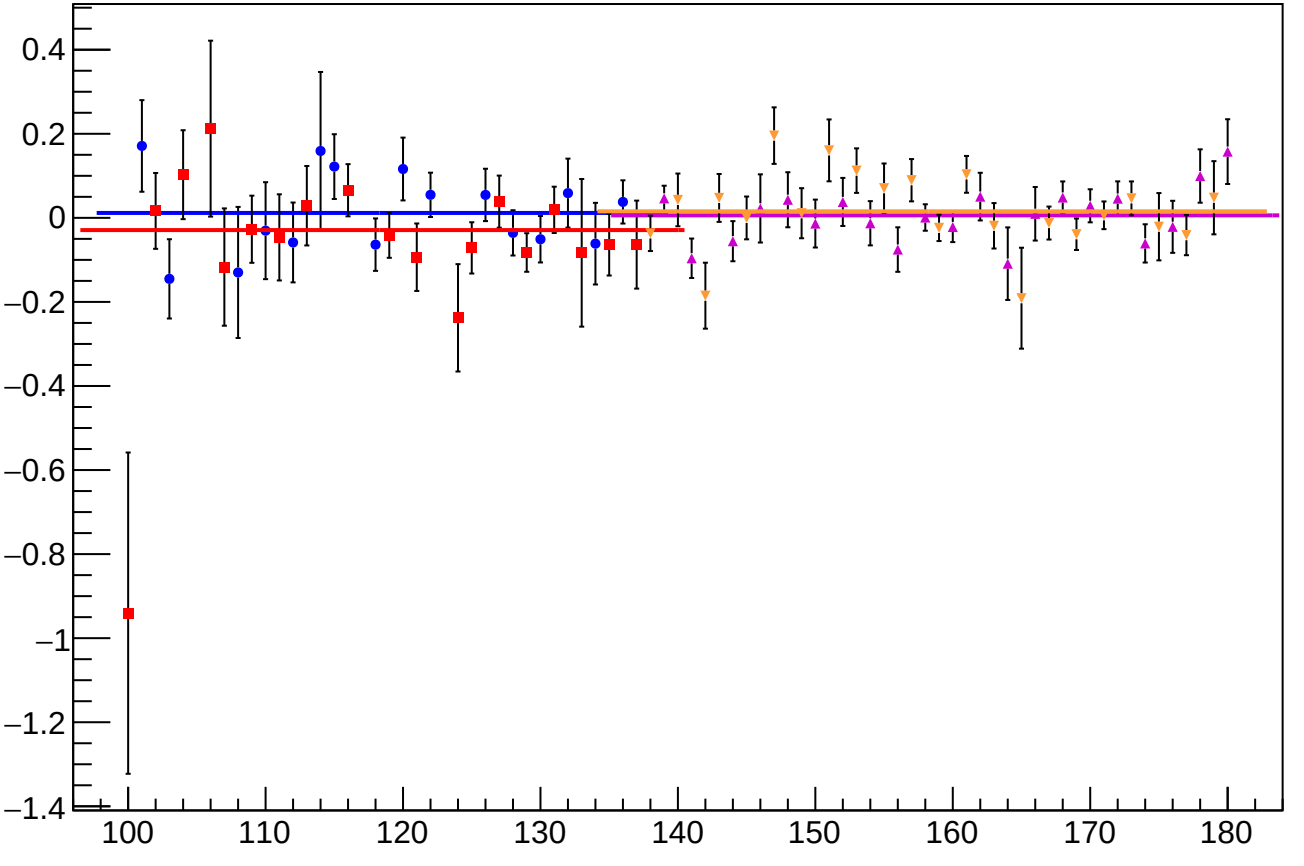
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.499+/-0.006 χ^2/NDF:3576816.4/36

Out: 42.018+/-0.006 χ^2/NDF:4387117.3/40

All: 41.757+/-0.005 χ^2/NDF: 7967209.5/77

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: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.010 χ^2/NDF:25.4/20

Left: 0.011+/-0.007 χ^2/NDF: 66.0/42

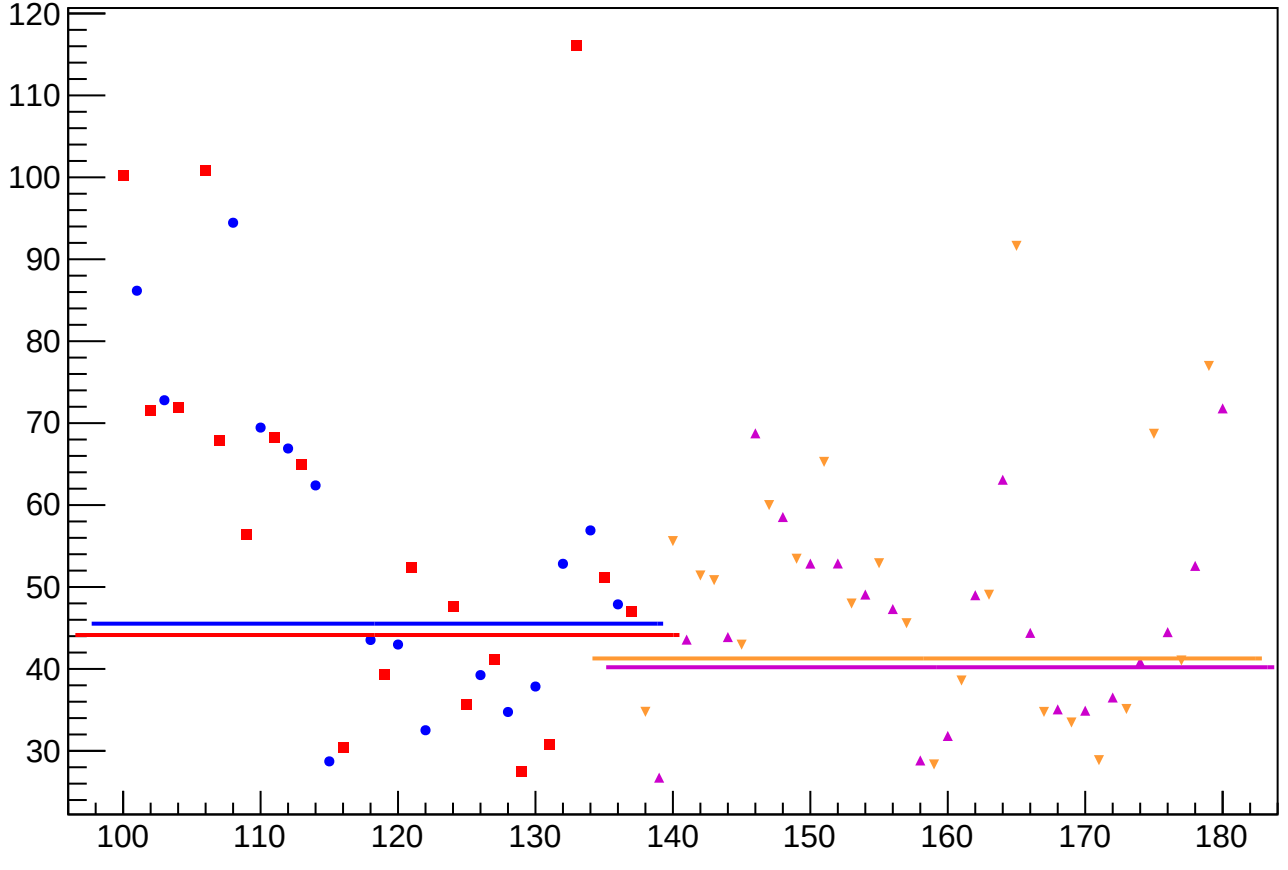
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.3/36

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.006+/-0.006 χ^2/NDF: 106.7/77

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: 41.279+/-0.007 χ^2/NDF:2605693.2/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.206+/-0.007 χ^2/NDF:2195239.2/20

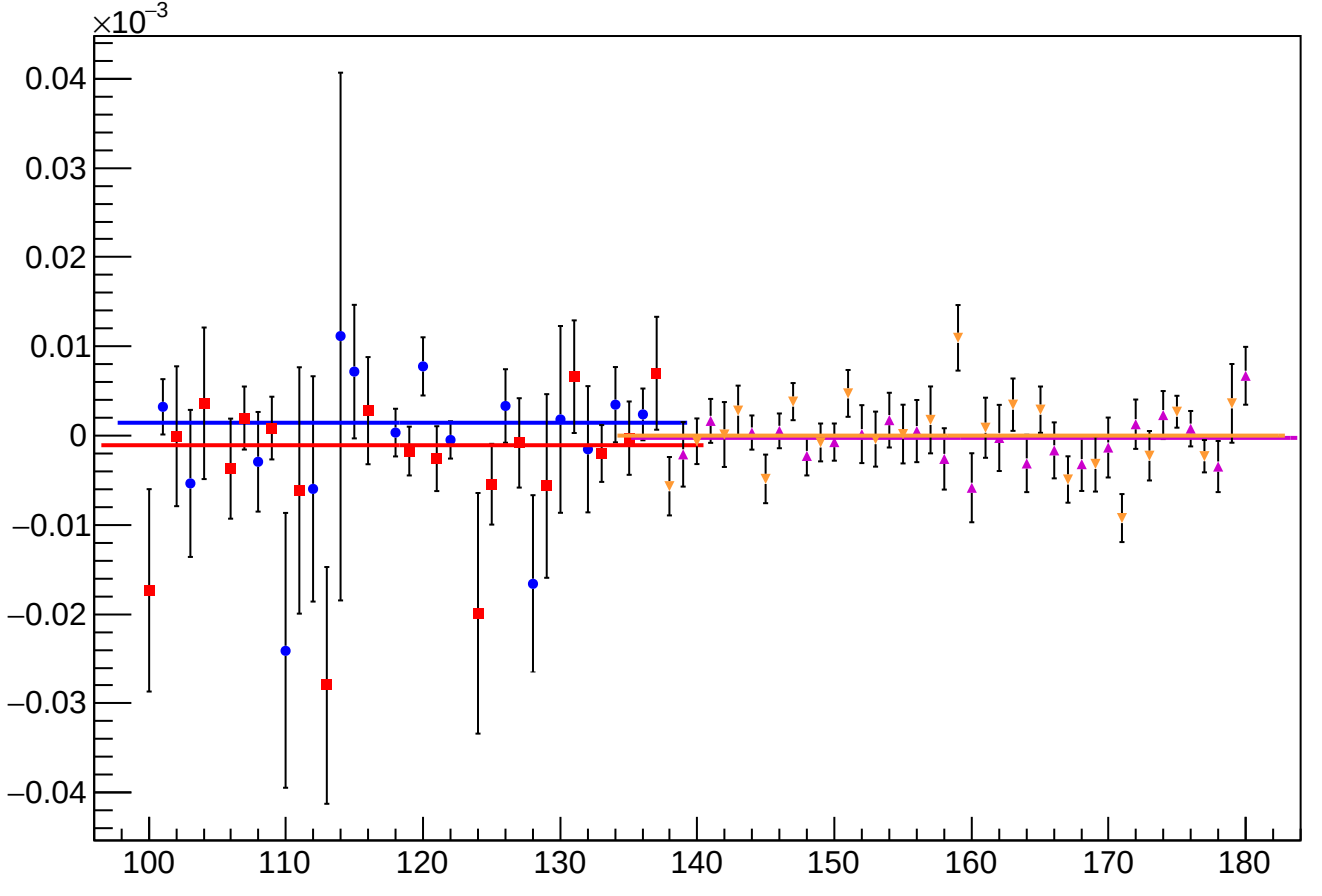
Left: 40.734+/-0.005 χ^2/NDF: 4811449.9/42

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.499+/-0.006 χ^2/NDF:3576816.4/36

Out: 42.018+/-0.006 χ^2/NDF:4387117.3/40

All: 41.757+/-0.005 χ^2/NDF: 7967209.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/20

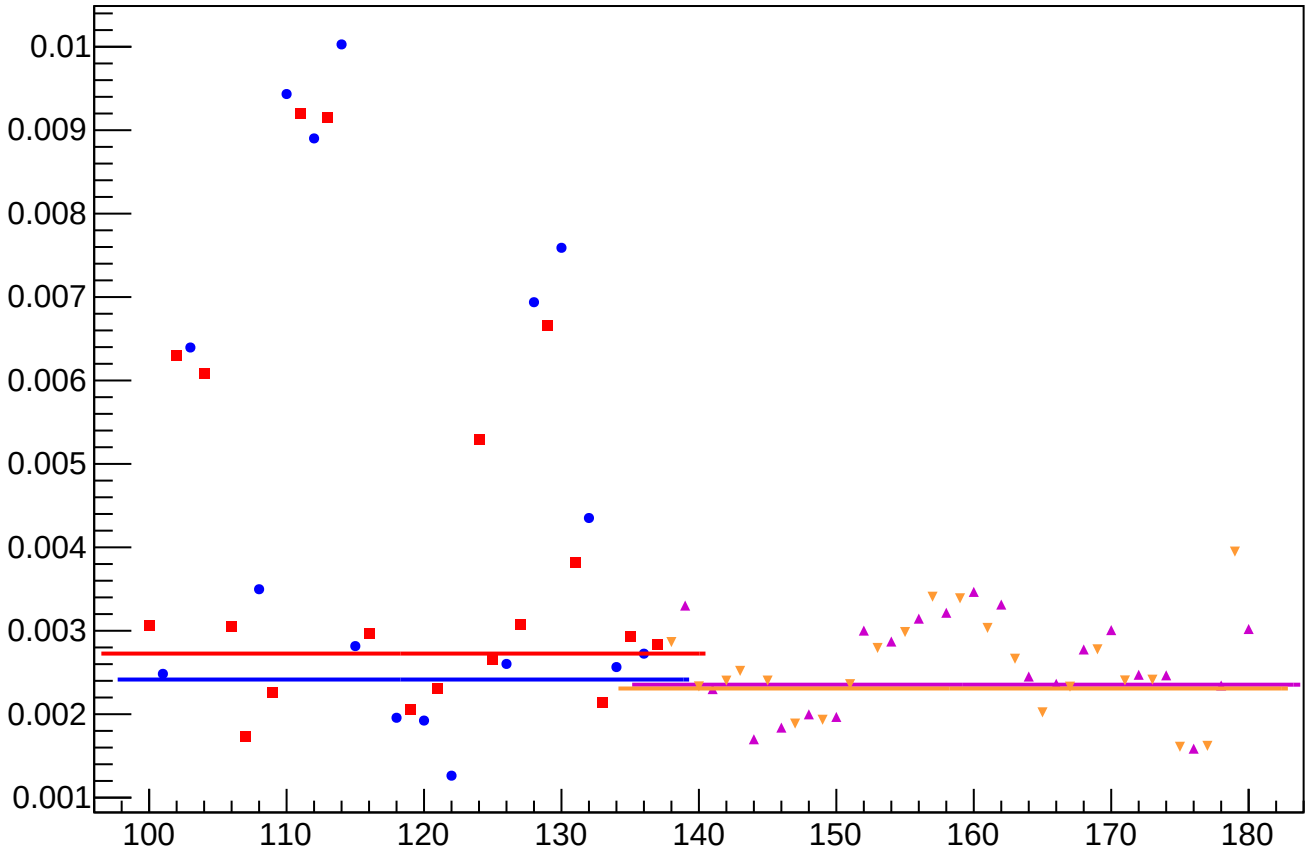
Left: -0.000+/-0.000 χ^2/NDF: 62.0/42

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:30.7/36

Out: -0.000+/-0.000 χ^2/NDF:63.0/40

All: -0.000+/-0.000 χ^2/NDF: 93.9/77



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1774253.4/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1814837.3/20

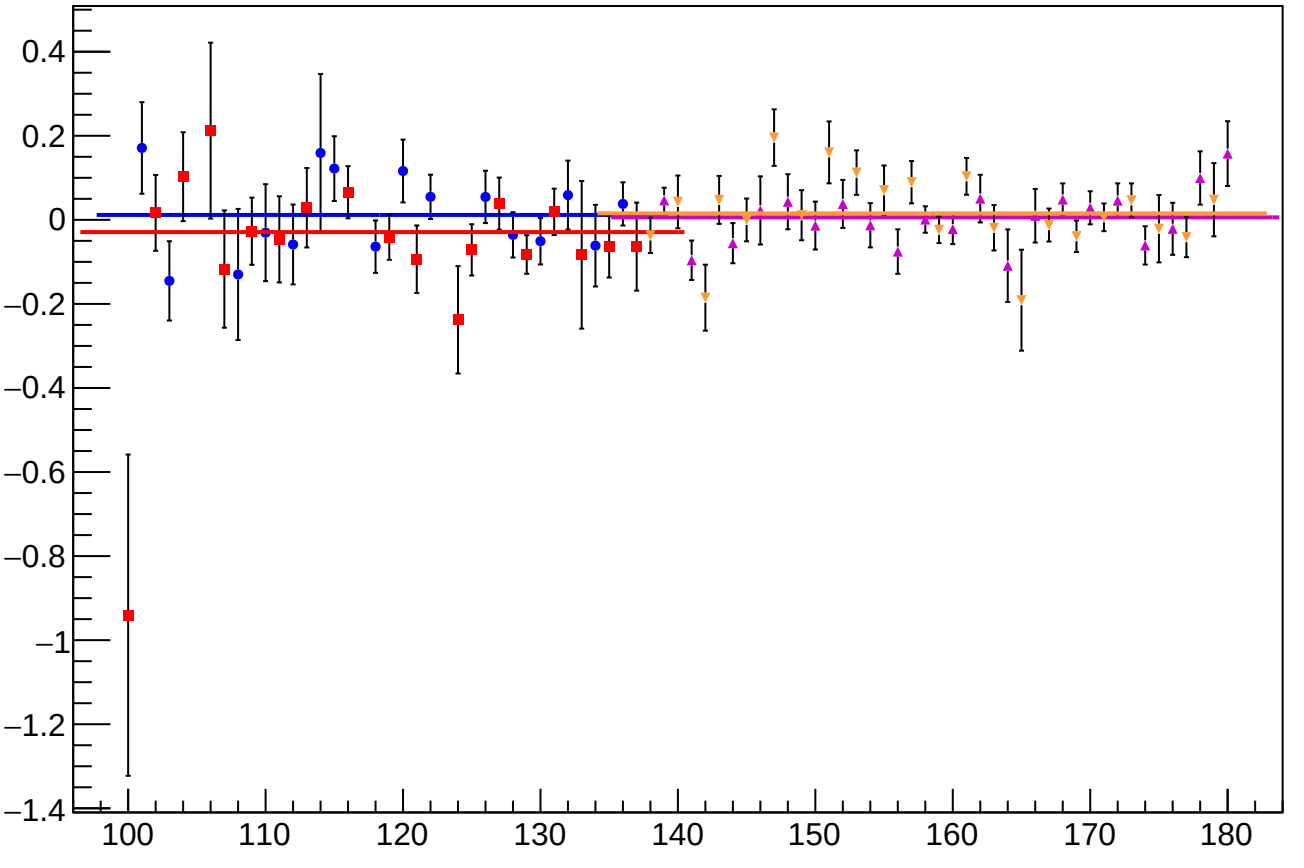
Left: 0.002+/-0.000 χ^2/NDF: 3595287.4/42

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5252281.7/36

Out: 0.002+/-0.000 χ^2/NDF:4500597.9/40

All: 0.002+/-0.000 χ^2/NDF: 9755304.3/77



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.010 χ^2/NDF:25.4/20

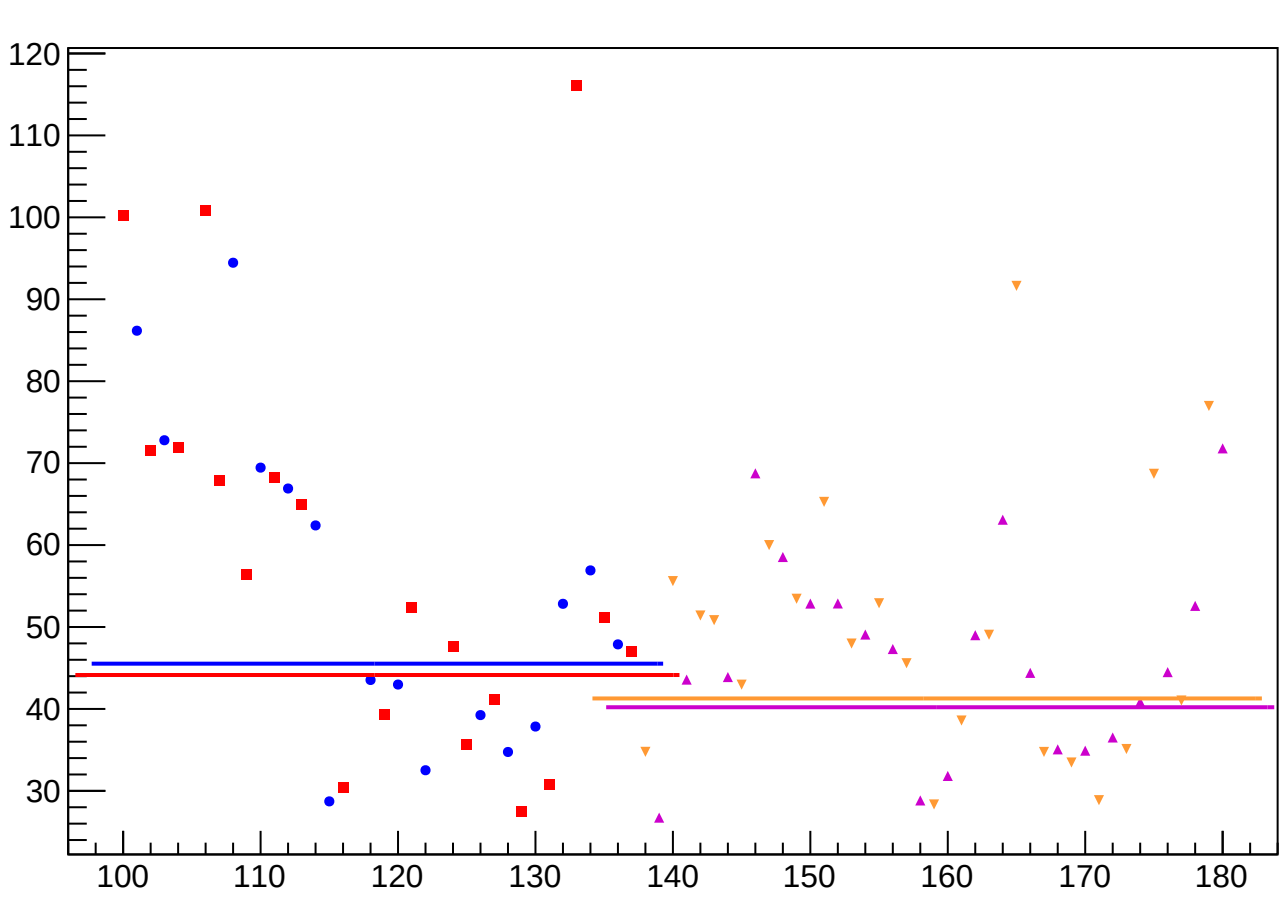
Left: 0.011+/-0.007 χ^2/NDF: 66.0/42

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.3/36

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.006+/-0.006 χ^2/NDF: 106.7/77



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.280+/-0.007 χ^2/NDF:2605732.5/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

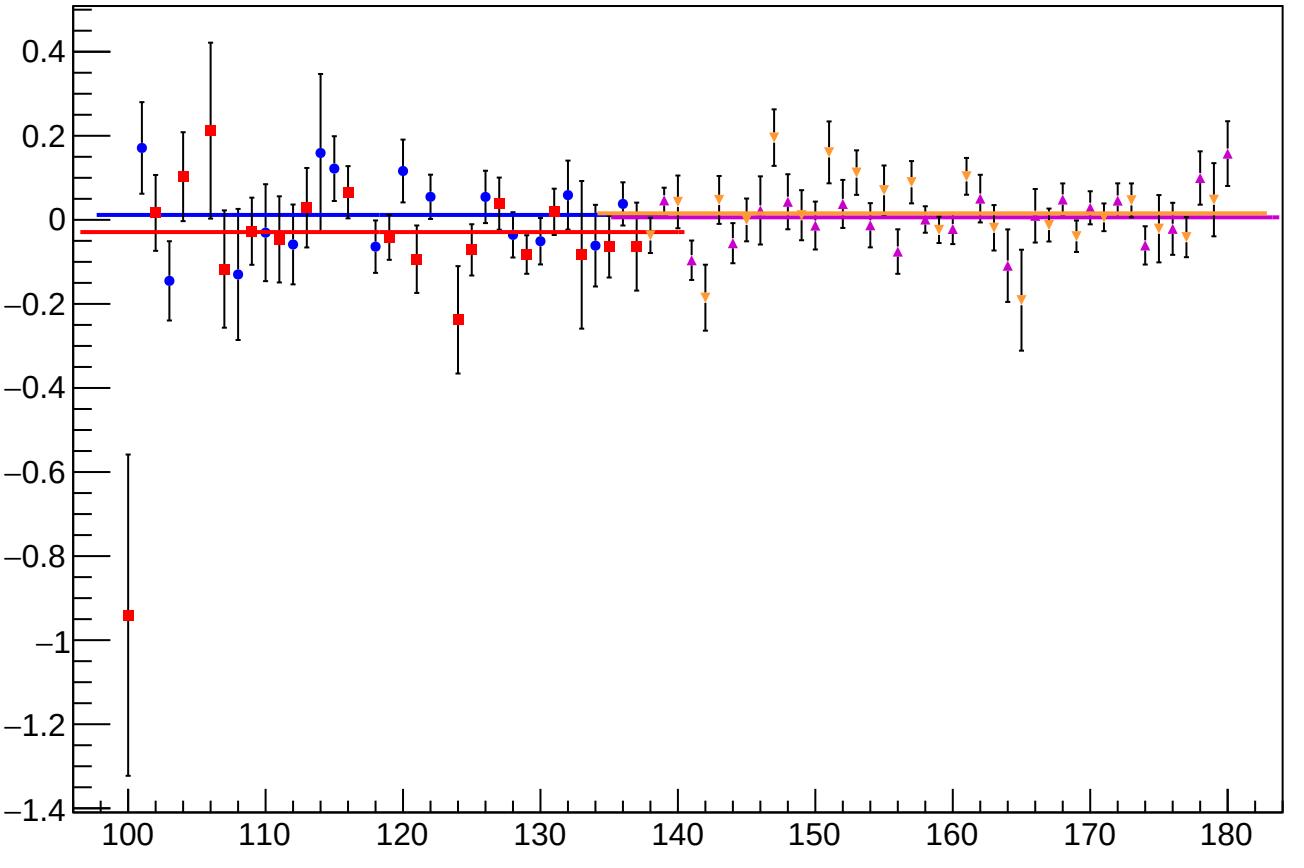
Left: 40.734+/-0.005 χ^2/NDF: 4811516.3/42

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.500+/-0.006 χ^2/NDF:3576783.4/36

Out: 42.018+/-0.006 χ^2/NDF:4387078.6/40

All: 41.758+/-0.005 χ^2/NDF: 7967138.1/77



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.010 χ^2/NDF:25.4/20

Left: 0.011+/-0.007 χ^2/NDF: 66.0/42

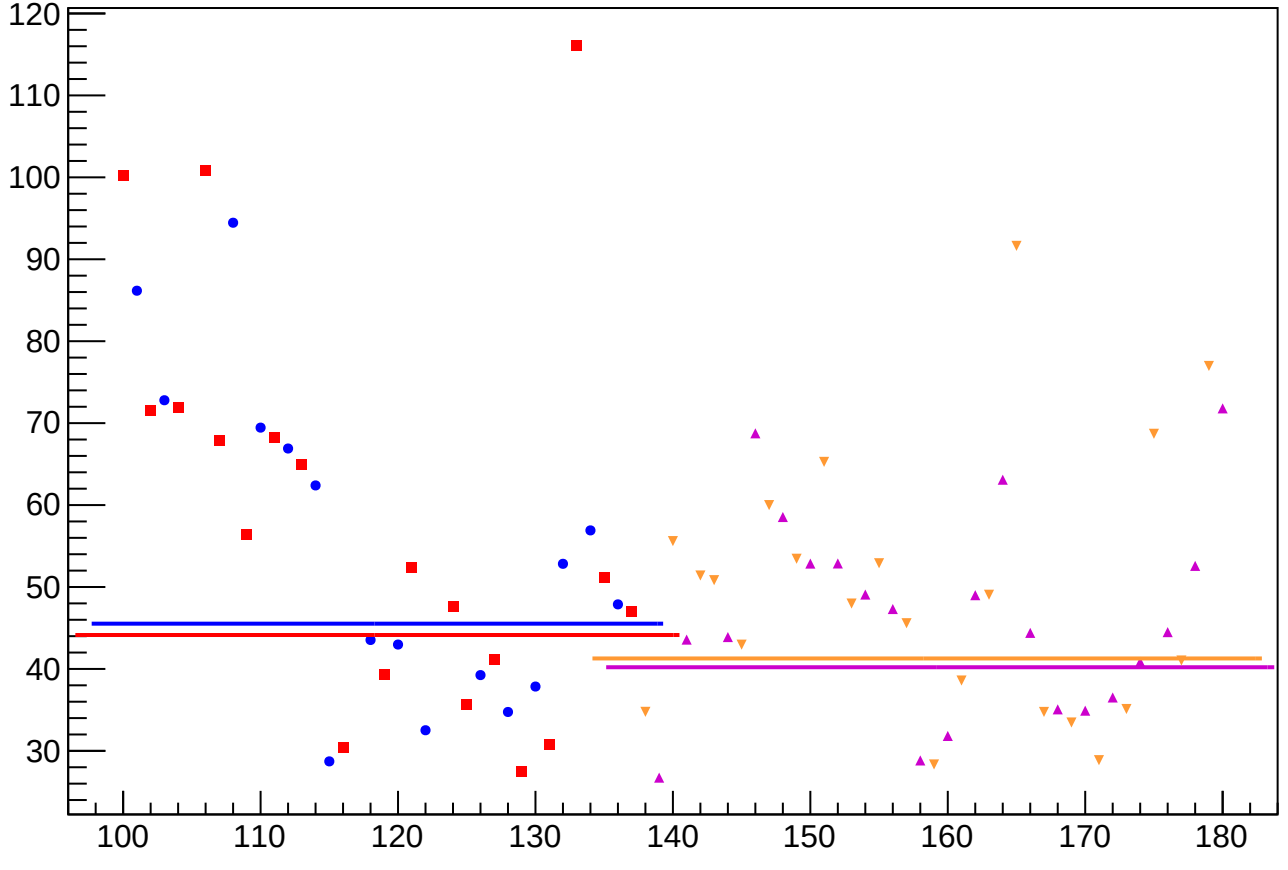
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:42.3/36

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.006+/-0.006 χ^2/NDF: 106.7/77

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: 41.280+/-0.007 χ^2/NDF:2605732.5/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.206+/-0.007 χ^2/NDF:2195267.7/20

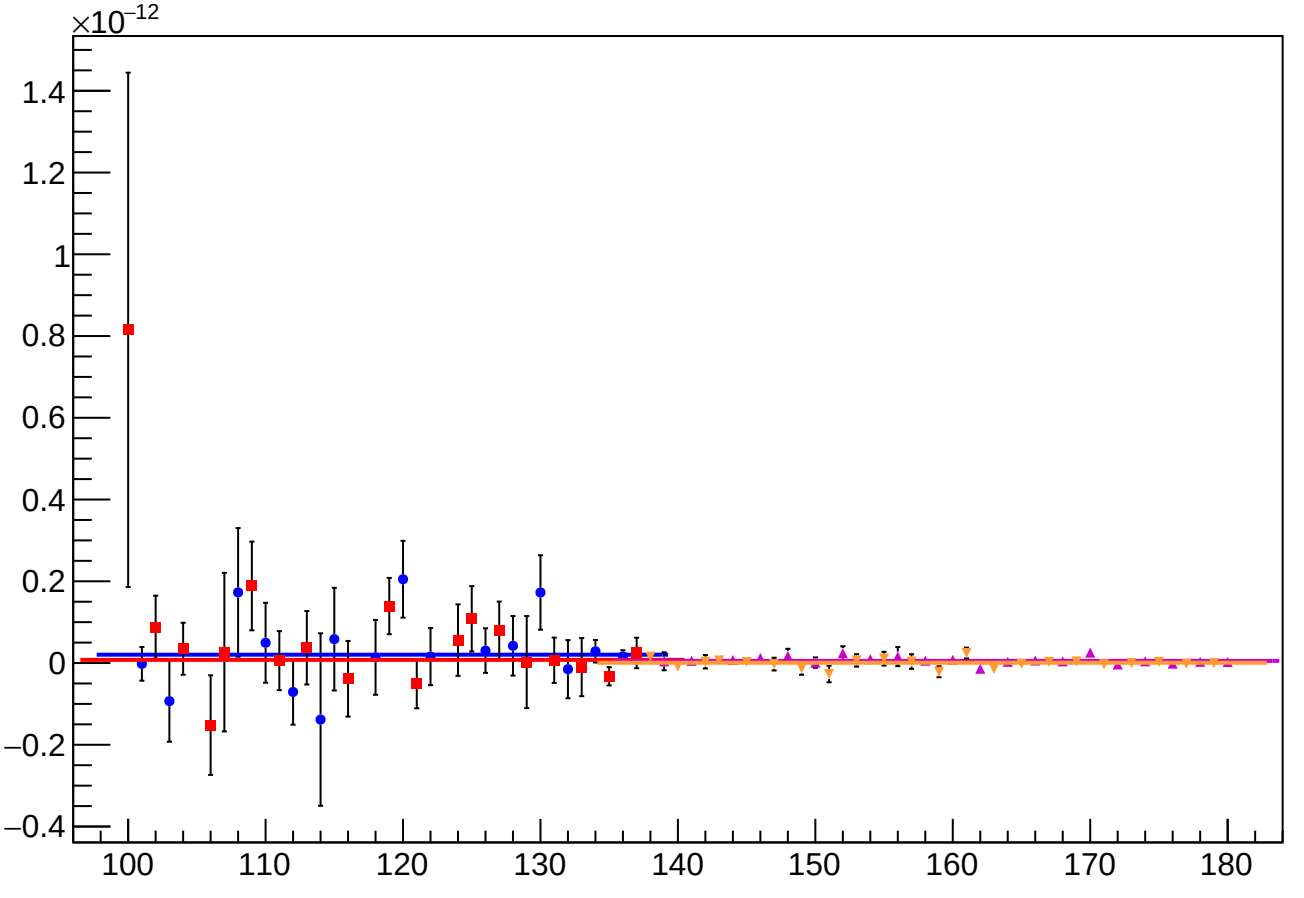
Left: 40.734+/-0.005 χ^2/NDF: 4811516.3/42

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.500+/-0.006 χ^2/NDF:3576783.4/36

Out: 42.018+/-0.006 χ^2/NDF:4387078.6/40

All: 41.758+/-0.005 χ^2/NDF: 7967138.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/20

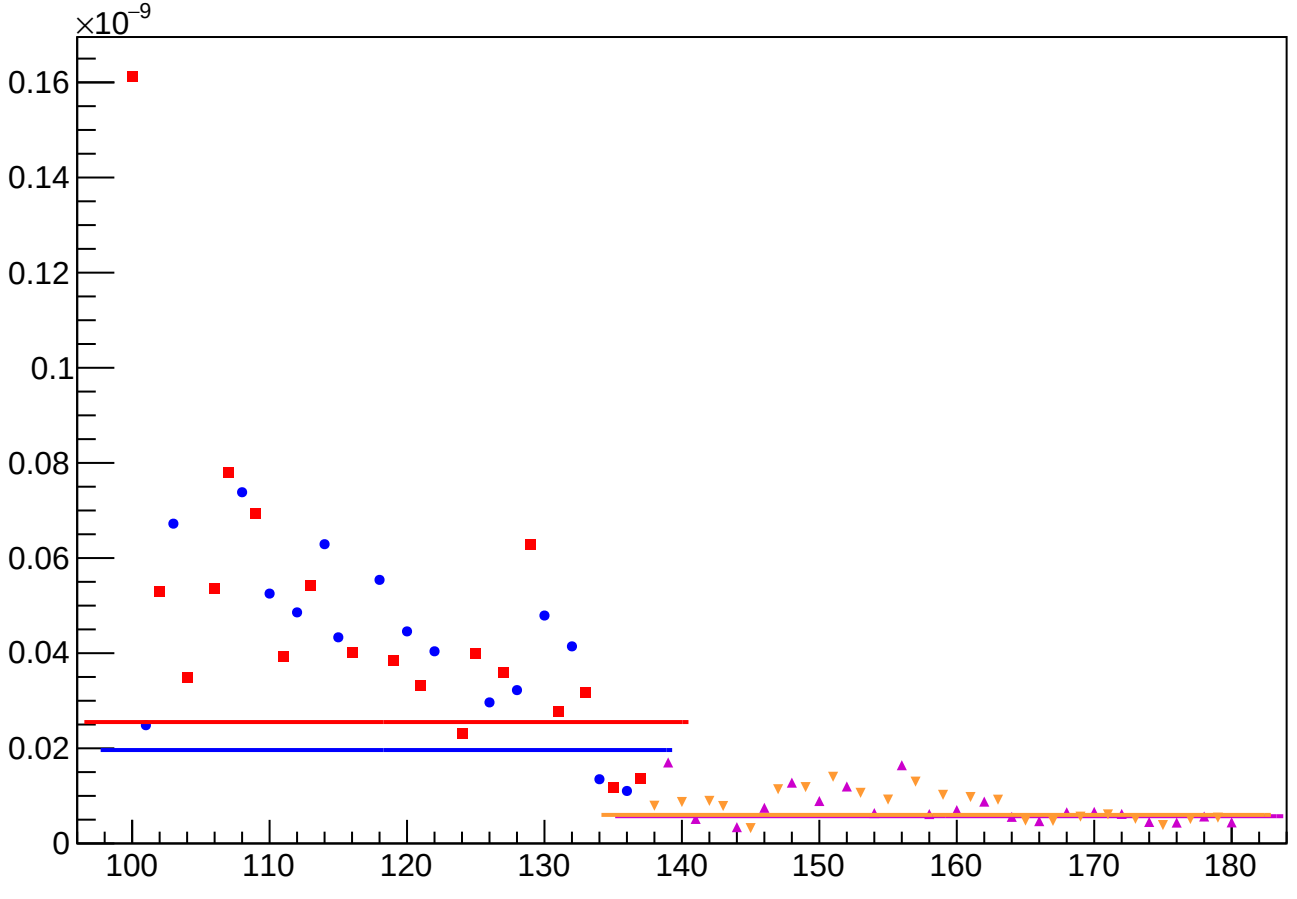
Left: 0.000+/-0.000 χ^2/NDF: 29.4/42

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.4/36

Out: 0.000+/-0.000 χ^2/NDF:33.0/40

All: 0.000+/-0.000 χ^2/NDF: 62.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3133109.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2567823.8/20

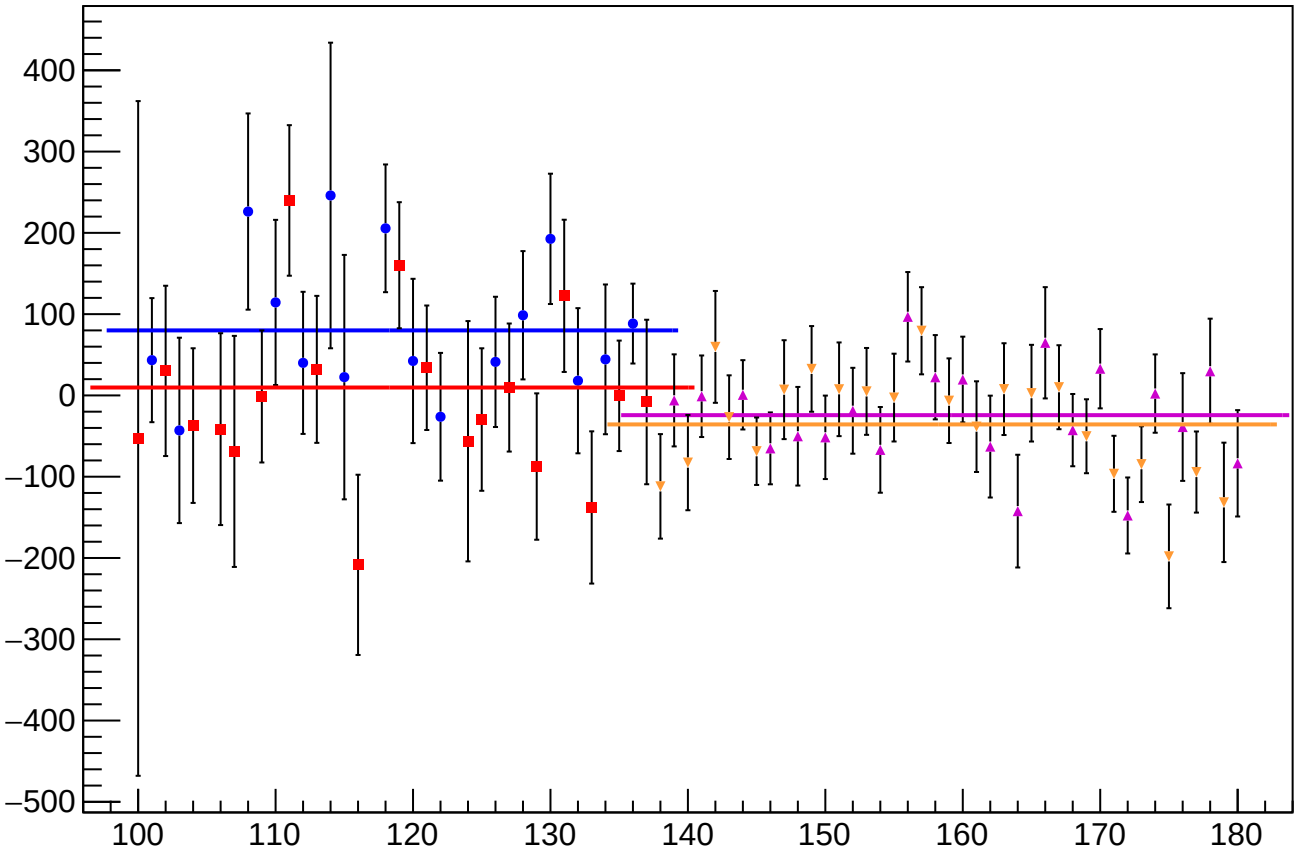
Left: 0.000+/-0.000 χ^2/NDF: 5720549.0/42

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8816082.4/36

Out: 0.000+/-0.000 χ^2/NDF:9811041.7/40

All: 0.000+/-0.000 χ^2/NDF: 18648153.9/77



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.674+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -24.280+/-11.631 χ^2/NDF:24.3/20

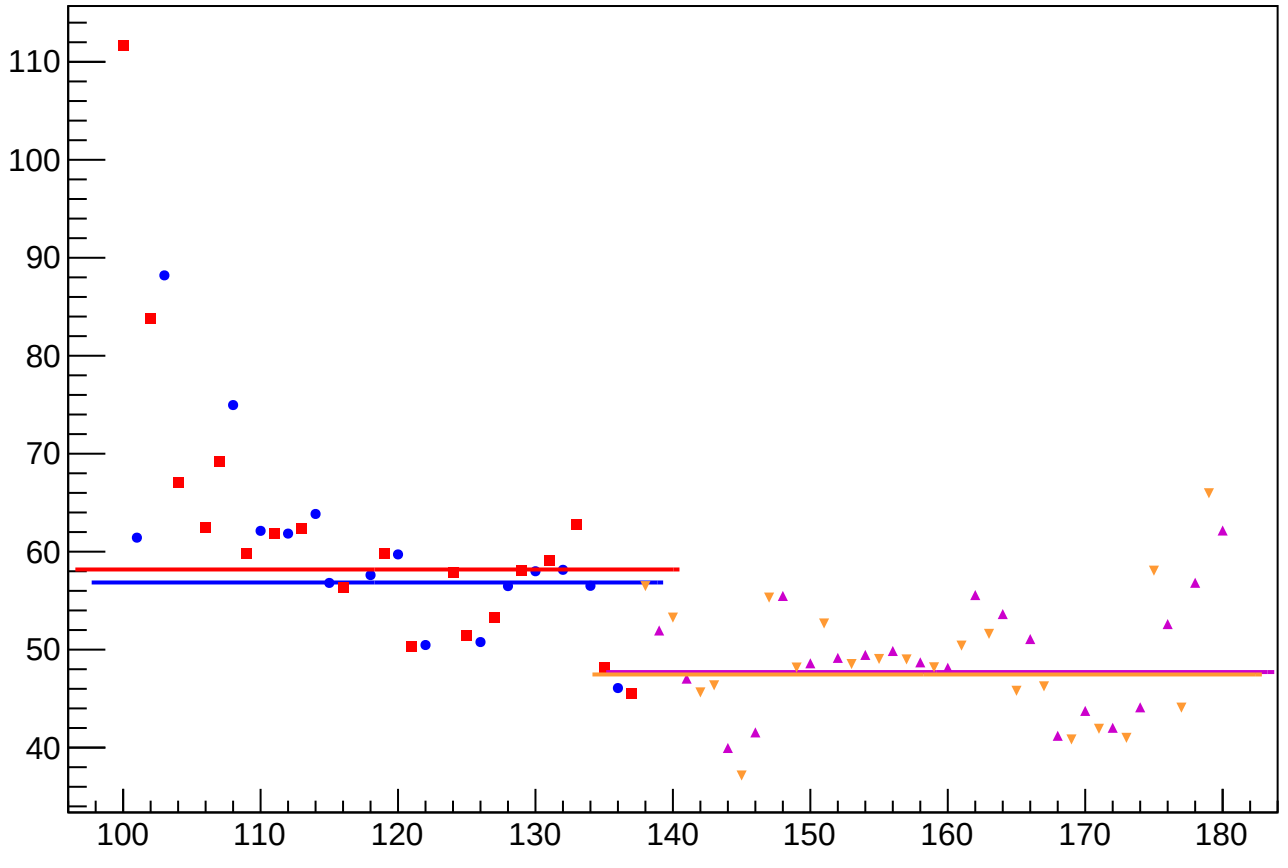
Left: -30.045+/-8.175 χ^2/NDF: 52.3/42

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: -0.628+/-10.228 χ^2/NDF:54.1/36

Out: -25.667+/-10.148 χ^2/NDF:51.3/40

All: -13.245+/-7.204 χ^2/NDF: 108.4/77



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

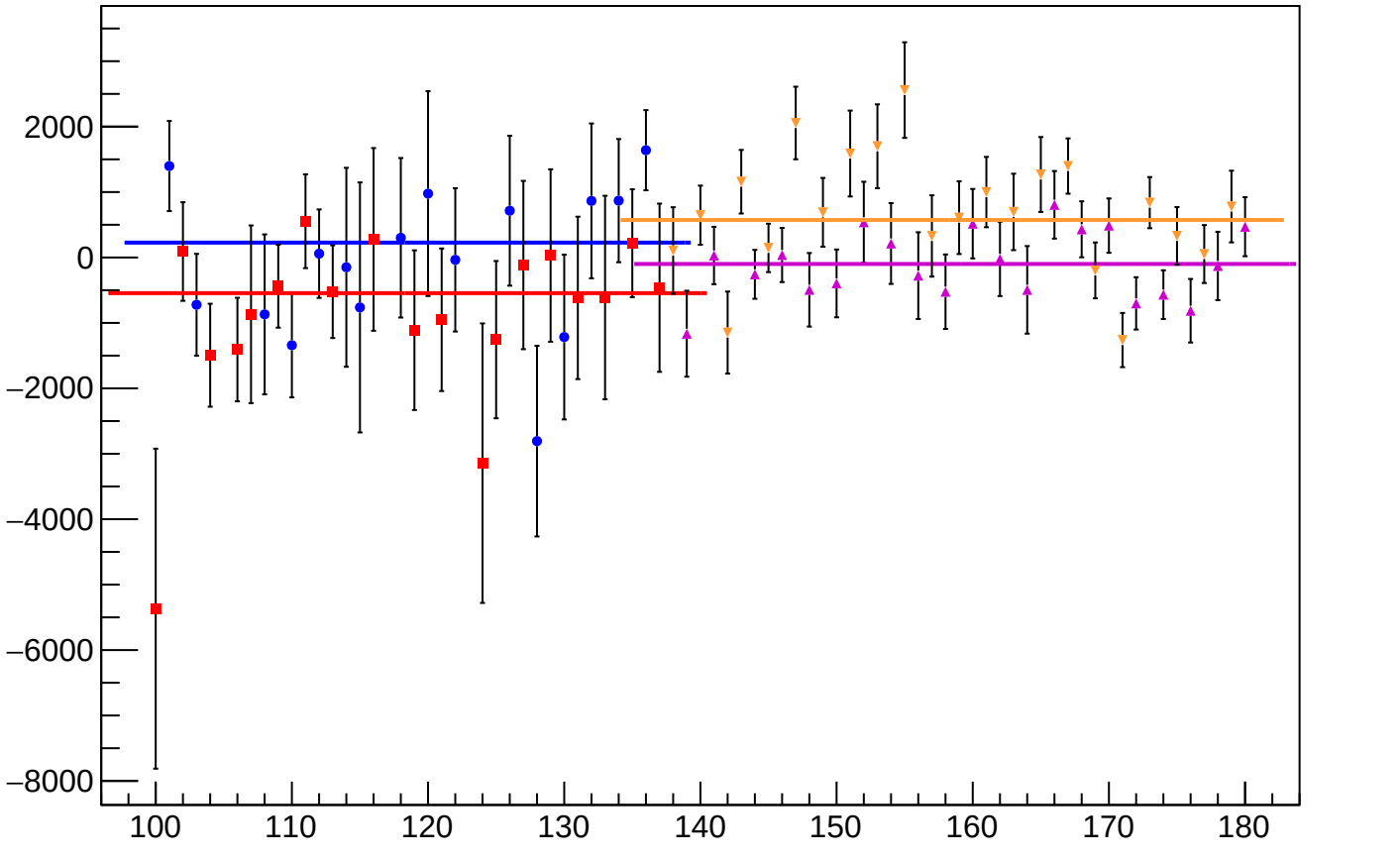
Left: 47.587+/-0.006 χ^2/NDF: 1012512.9/42

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.785+/-0.007 χ^2/NDF:1075247.6/36

Out: 49.827+/-0.007 χ^2/NDF:1256583.8/40

All: 49.806+/-0.005 χ^2/NDF: 2331848.0/77



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 572.807+/-107.135 χ^2/NDF:62.2/21

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -99.066+/-106.483 χ^2/NDF:21.7/20

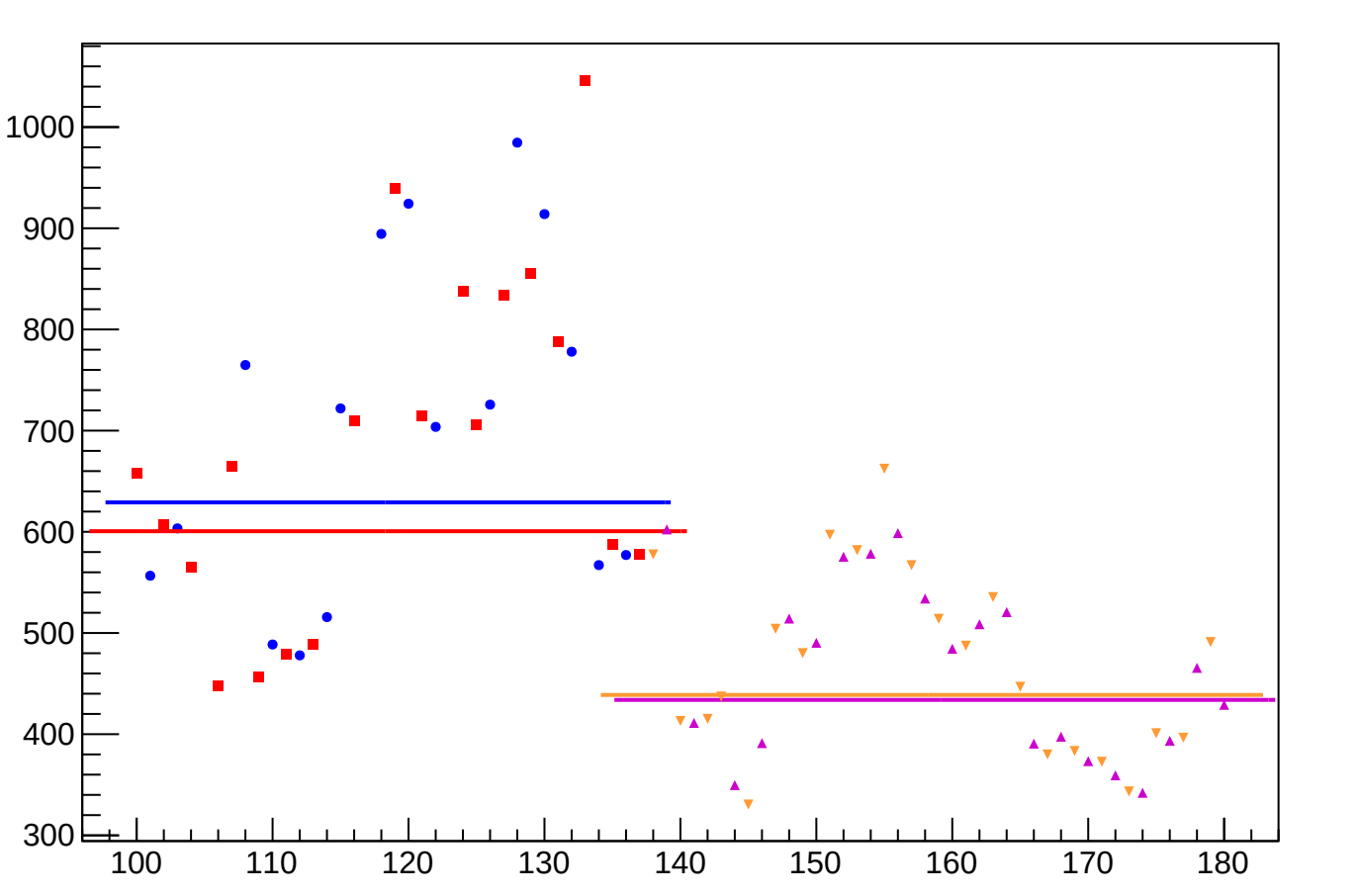
Left: 234.819+/-75.524 χ^2/NDF: 103.7/42

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -45.809+/-97.414 χ^2/NDF:44.9/36

Out: 369.574+/-96.905 χ^2/NDF:95.4/40

All: 162.970+/-68.702 χ^2/NDF: 149.4/77



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.7/21

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 433.891+/-0.075 χ^2/NDF:1093886.0/20

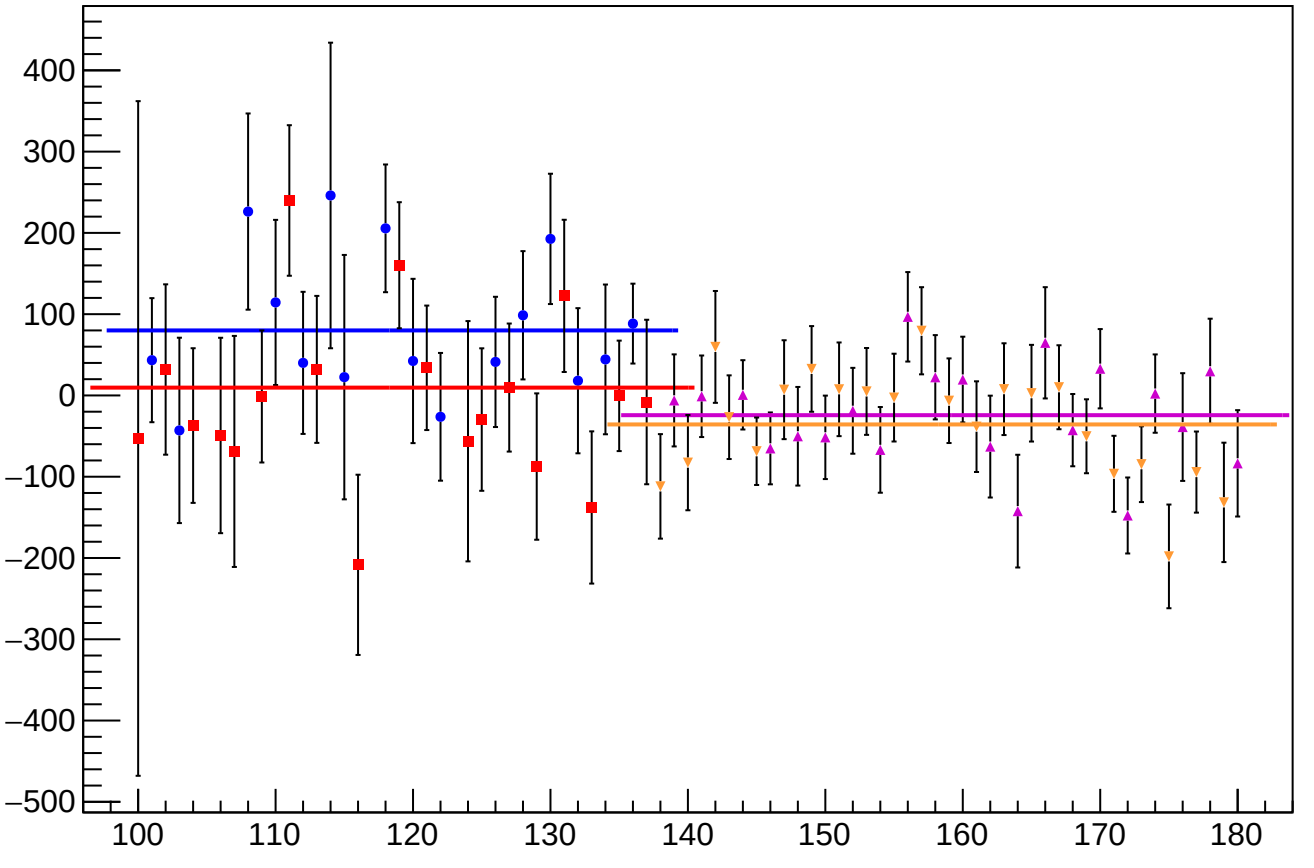
Left: 436.325+/-0.053 χ^2/NDF: 2295990.4/42

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 465.725+/-0.069 χ^2/NDF:2882714.1/36

Out: 468.214+/-0.069 χ^2/NDF:2904195.4/40

All: 466.976+/-0.049 χ^2/NDF: 5787565.9/77



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.281+/-11.631 χ^2/NDF:24.3/20

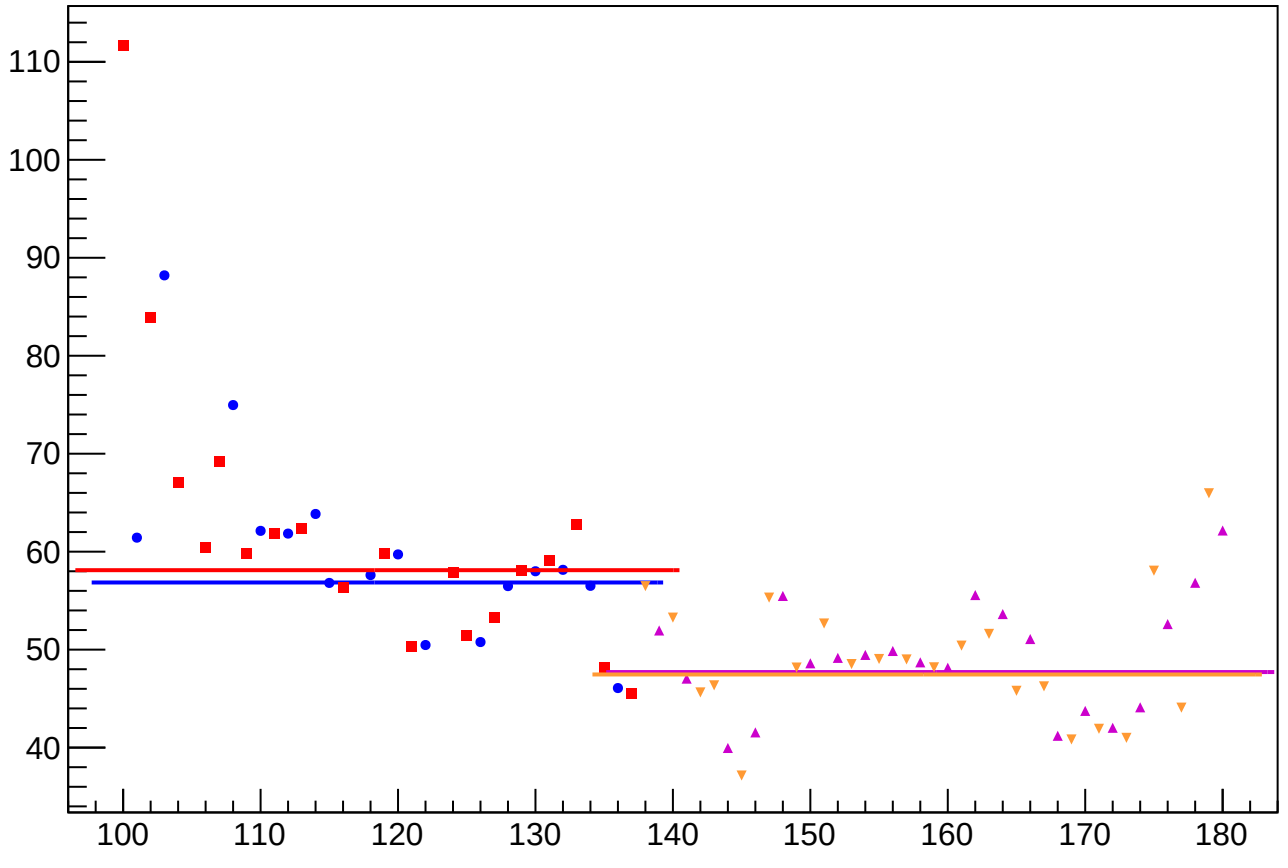
Left: -30.047+/-8.175 χ^2/NDF: 52.3/42

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -0.628+/-10.228 χ^2/NDF:54.1/36

Out: -25.704+/-10.150 χ^2/NDF:51.3/40

All: -13.262+/-7.204 χ^2/NDF: 108.5/77



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

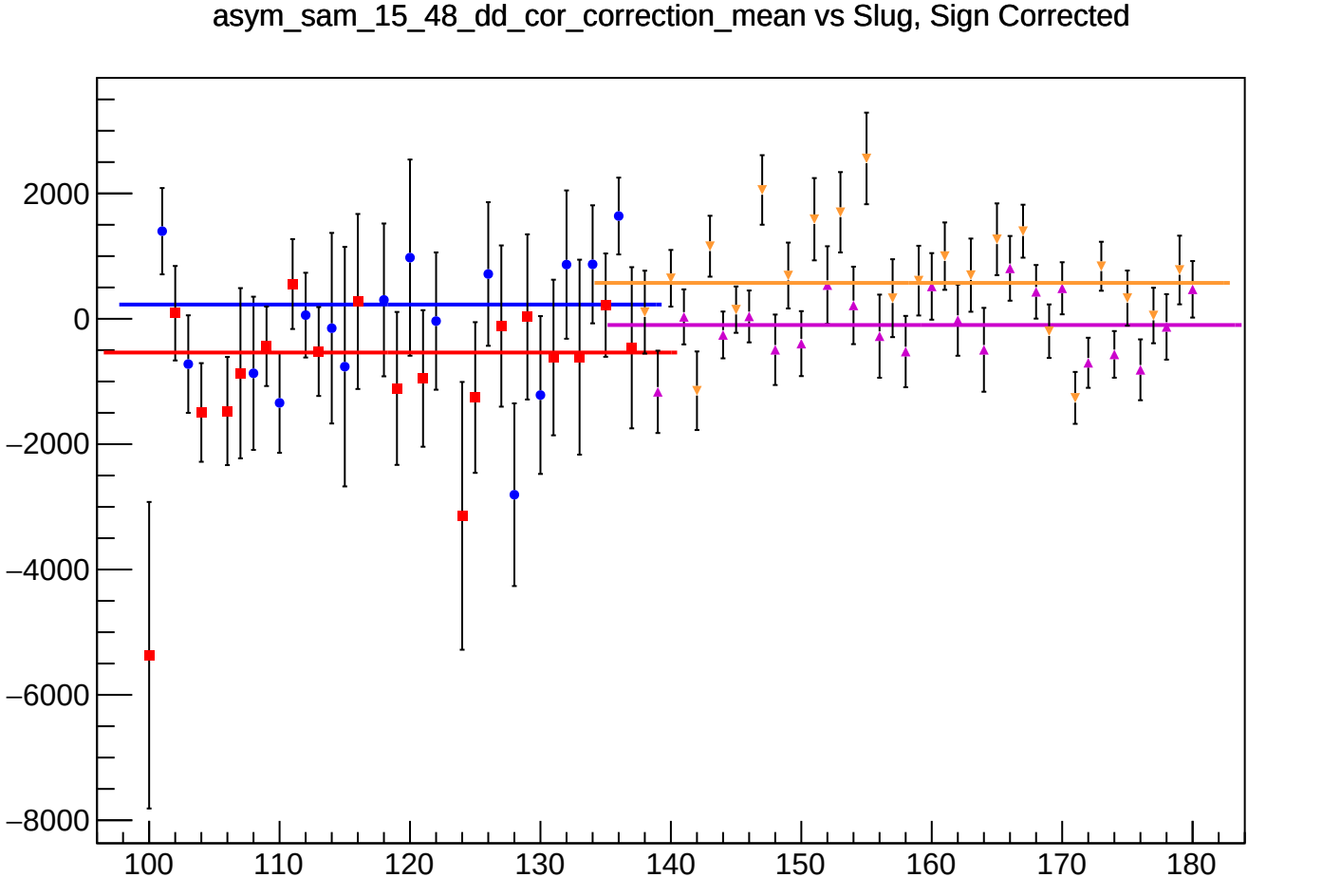
Left: 47.587+/-0.006 χ^2/NDF: 1012512.9/42

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.785+/-0.007 χ^2/NDF:1075251.6/36

Out: 49.809+/-0.007 χ^2/NDF:1249450.2/40

All: 49.797+/-0.005 χ^2/NDF: 2324707.2/77



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 572.804+/-107.135 χ^2/NDF:62.2/21

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -99.069+/-106.483 χ^2/NDF:21.7/20

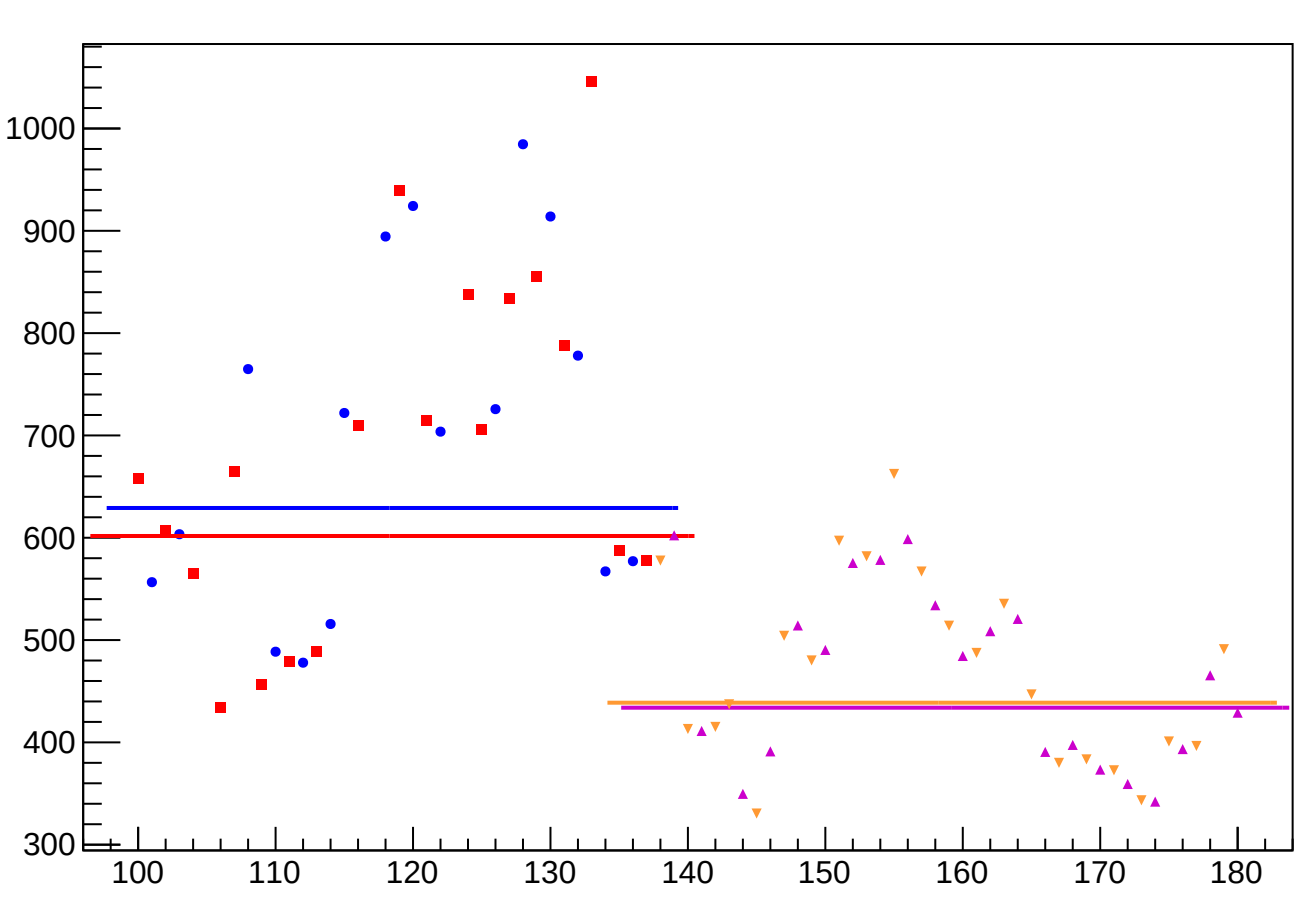
Left: 234.817+/-75.524 χ^2/NDF: 103.7/42

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -45.805+/-97.414 χ^2/NDF:44.9/36

Out: 372.964+/-97.022 χ^2/NDF:94.9/40

All: 164.425+/-68.743 χ^2/NDF: 149.0/77



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

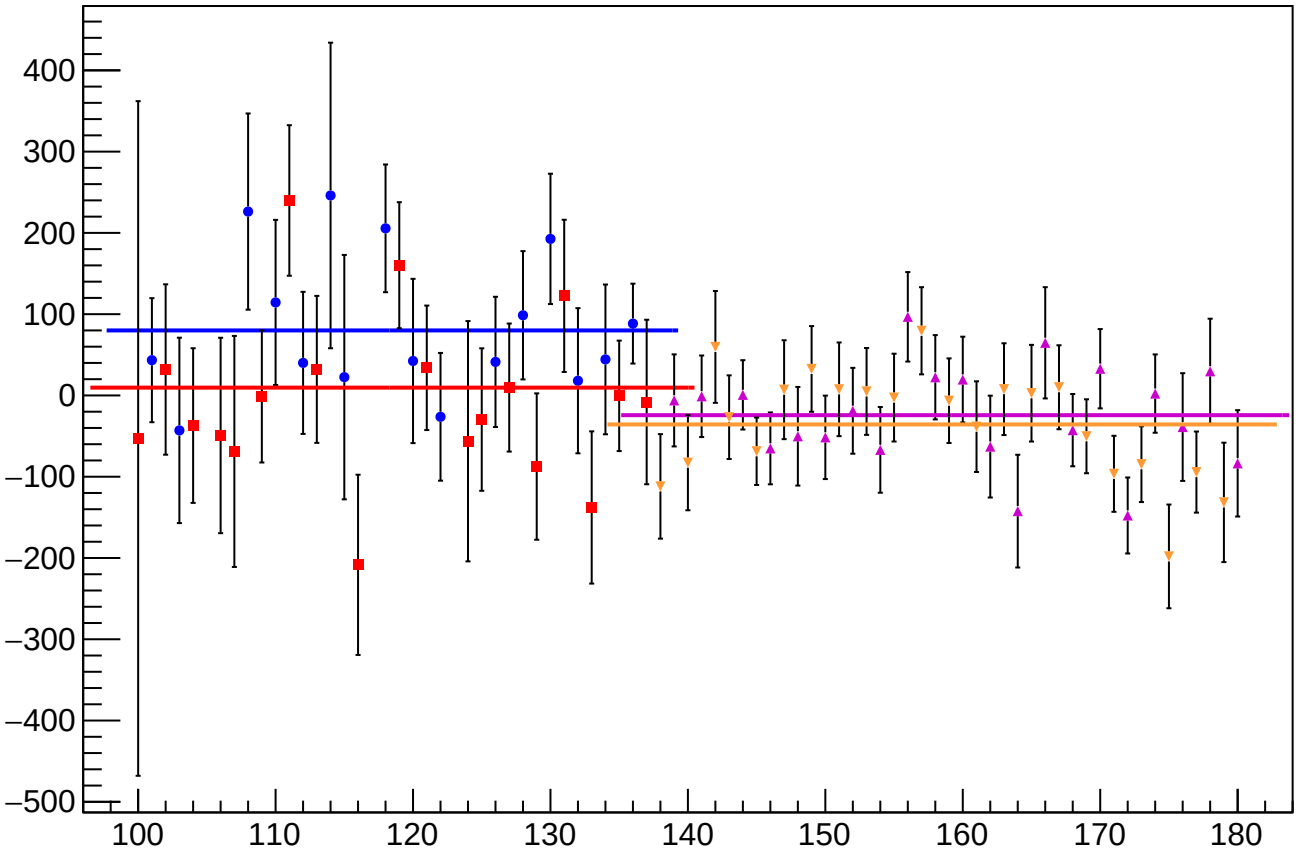
Left: 436.325+/-0.053 χ^2/NDF: 2295989.5/42

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 465.725+/-0.069 χ^2/NDF:2882743.6/36

Out: 468.099+/-0.069 χ^2/NDF:2906139.1/40

All: 466.917+/-0.049 χ^2/NDF: 5789478.7/77



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.281+/-11.631 χ^2/NDF:24.3/20

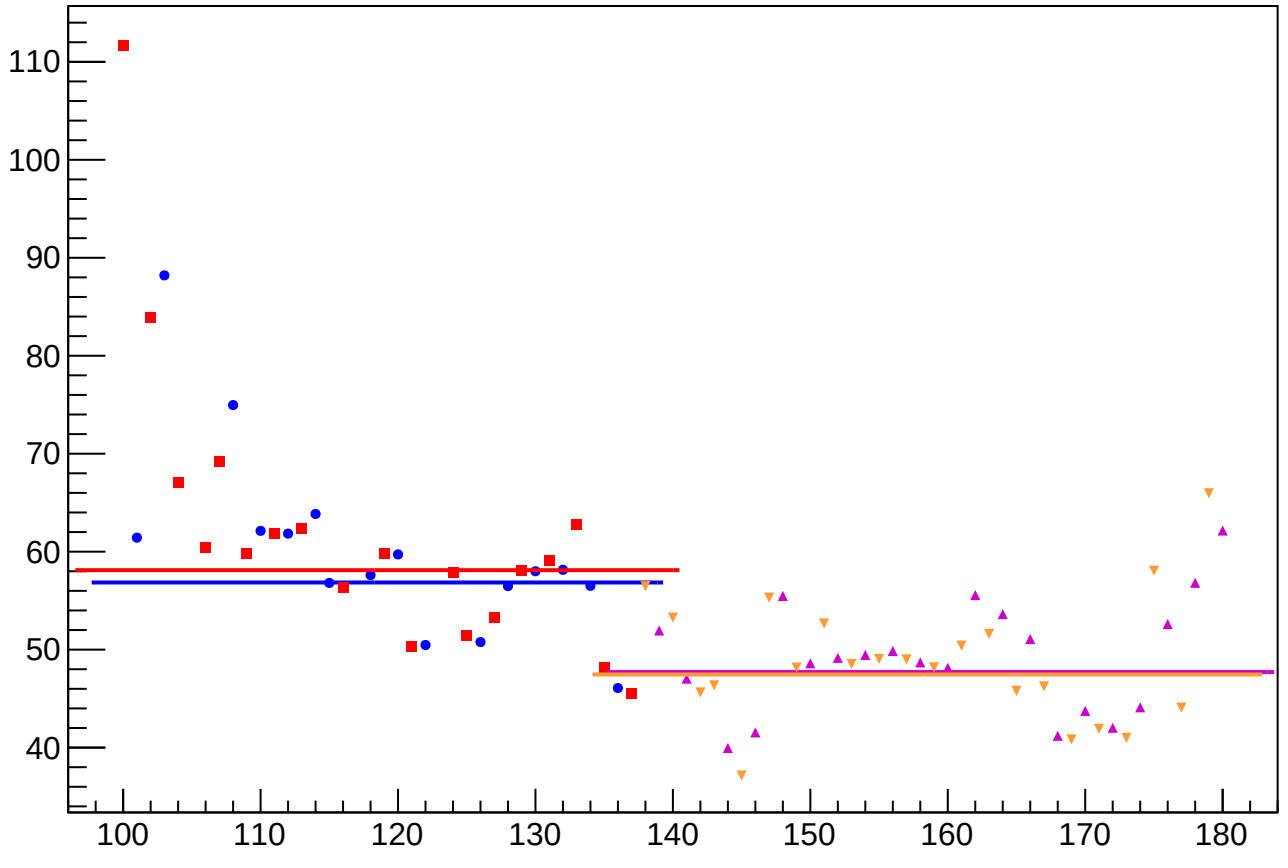
Left: -30.047+/-8.175 χ^2/NDF: 52.3/42

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: -0.628+/-10.228 χ^2/NDF:54.1/36

Out: -25.704+/-10.150 χ^2/NDF:51.3/40

All: -13.262+/-7.204 χ^2/NDF: 108.5/77



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.711+/-0.008 χ^2/NDF:453329.7/20

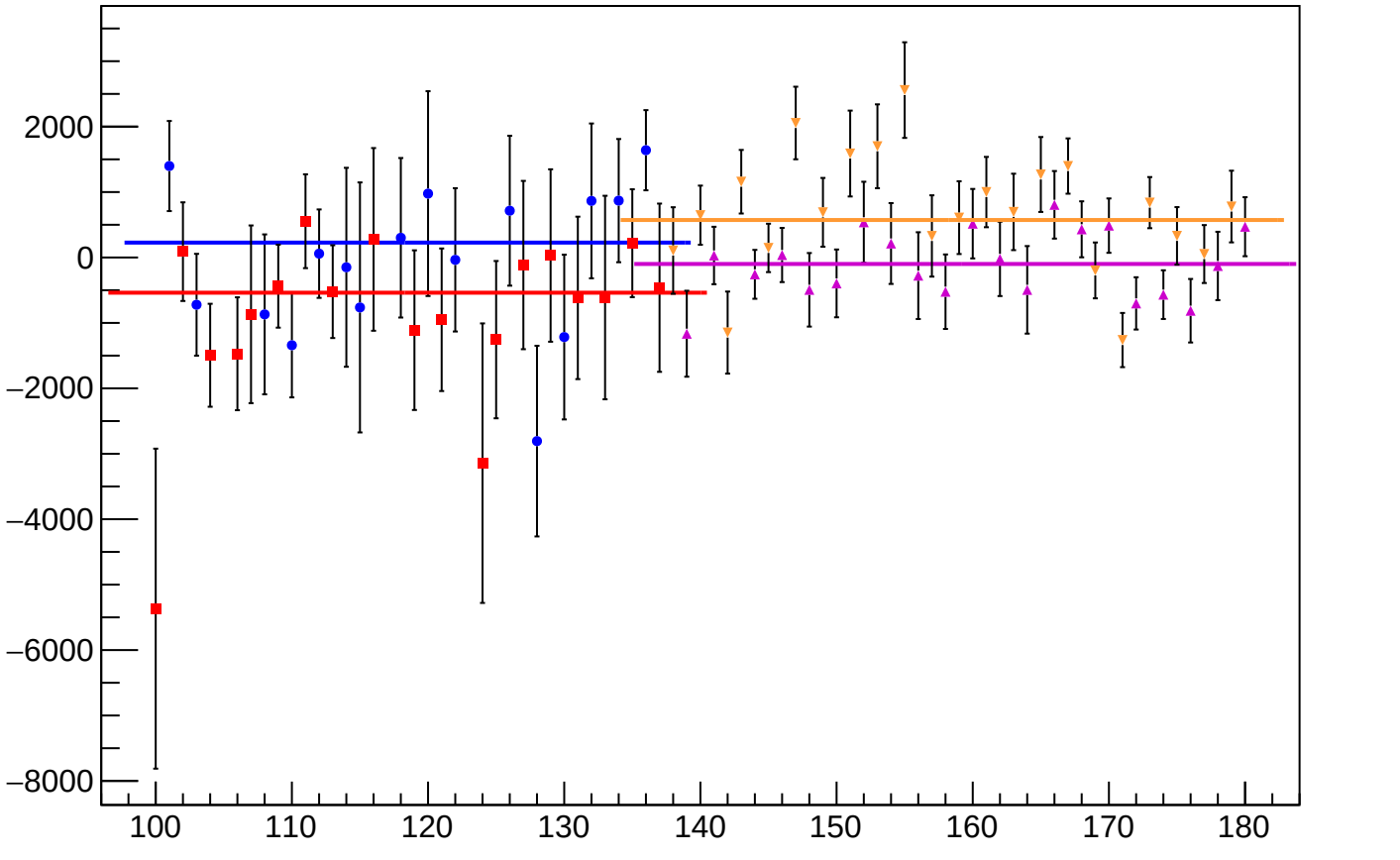
Left: 47.587+/-0.006 χ^2/NDF: 1012512.9/42

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.785+/-0.007 χ^2/NDF:1075251.6/36

Out: 49.809+/-0.007 χ^2/NDF:1249450.2/40

All: 49.797+/-0.005 χ^2/NDF: 2324707.2/77



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 572.804+/-107.135 χ^2/NDF:62.2/21

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -99.069+/-106.483 χ^2/NDF:21.7/20

Left: 234.817+/-75.524 χ^2/NDF: 103.7/42

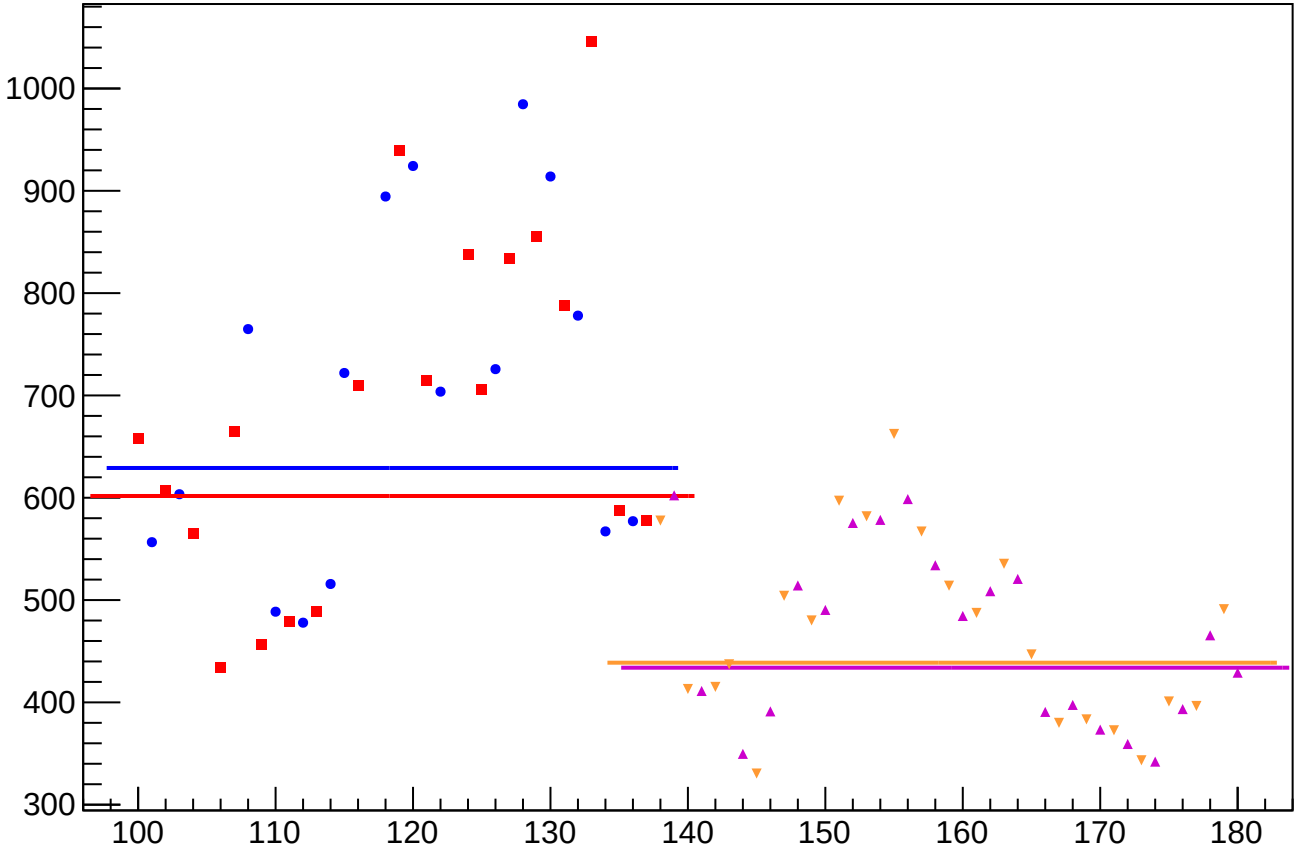
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -45.805+/-97.414 χ^2/NDF:44.9/36

Out: 372.964+/-97.022 χ^2/NDF:94.9/40

All: 164.425+/-68.743 χ^2/NDF: 149.0/77

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: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 433.891+/-0.075 χ^2/NDF:1093885.7/20

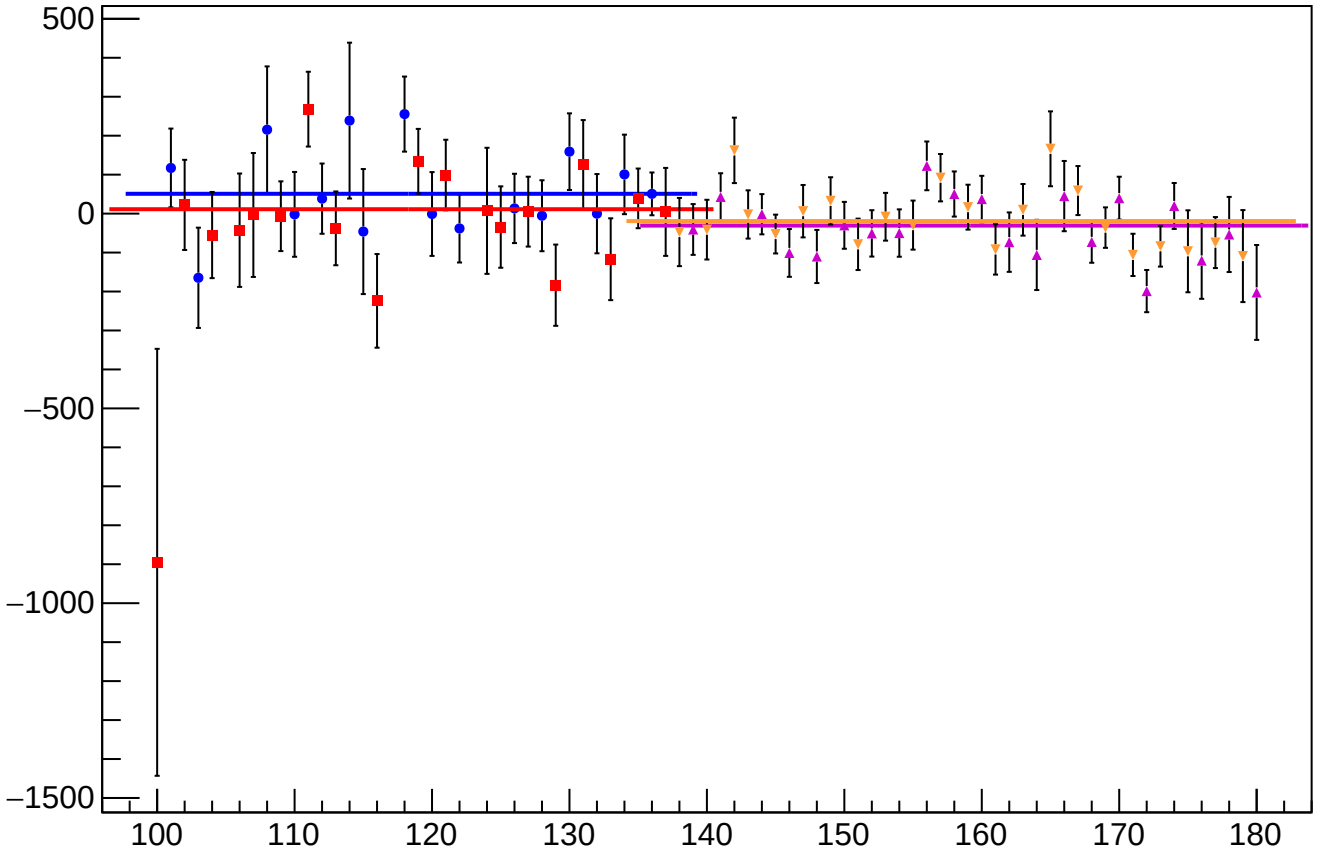
Left: 436.325+/-0.053 χ^2/NDF: 2295989.5/42

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 465.725+/-0.069 χ^2/NDF:2882743.6/36

Out: 468.099+/-0.069 χ^2/NDF:2906139.1/40

All: 466.917+/-0.049 χ^2/NDF: 5789478.7/77



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.180+/-13.842 χ^2/NDF:23.6/21

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -30.769+/-14.097 χ^2/NDF:31.2/20

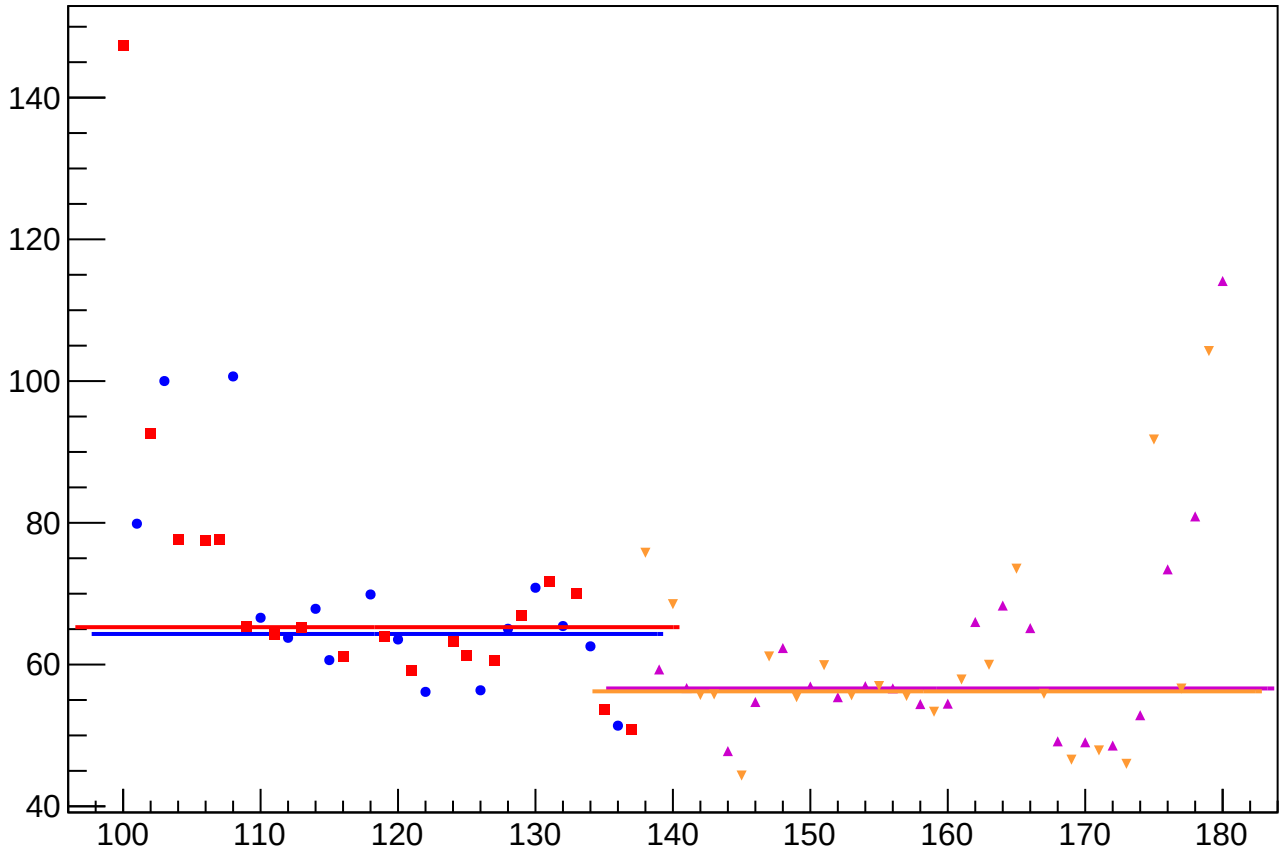
Left: -24.869+/-9.877 χ^2/NDF: 55.1/42

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -10.456+/-12.218 χ^2/NDF:53.3/36

Out: -11.734+/-12.030 χ^2/NDF:48.8/40

All: -11.105+/-8.572 χ^2/NDF: 102.1/77



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112669.5/21

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.629+/-0.010 χ^2/NDF:926760.2/20

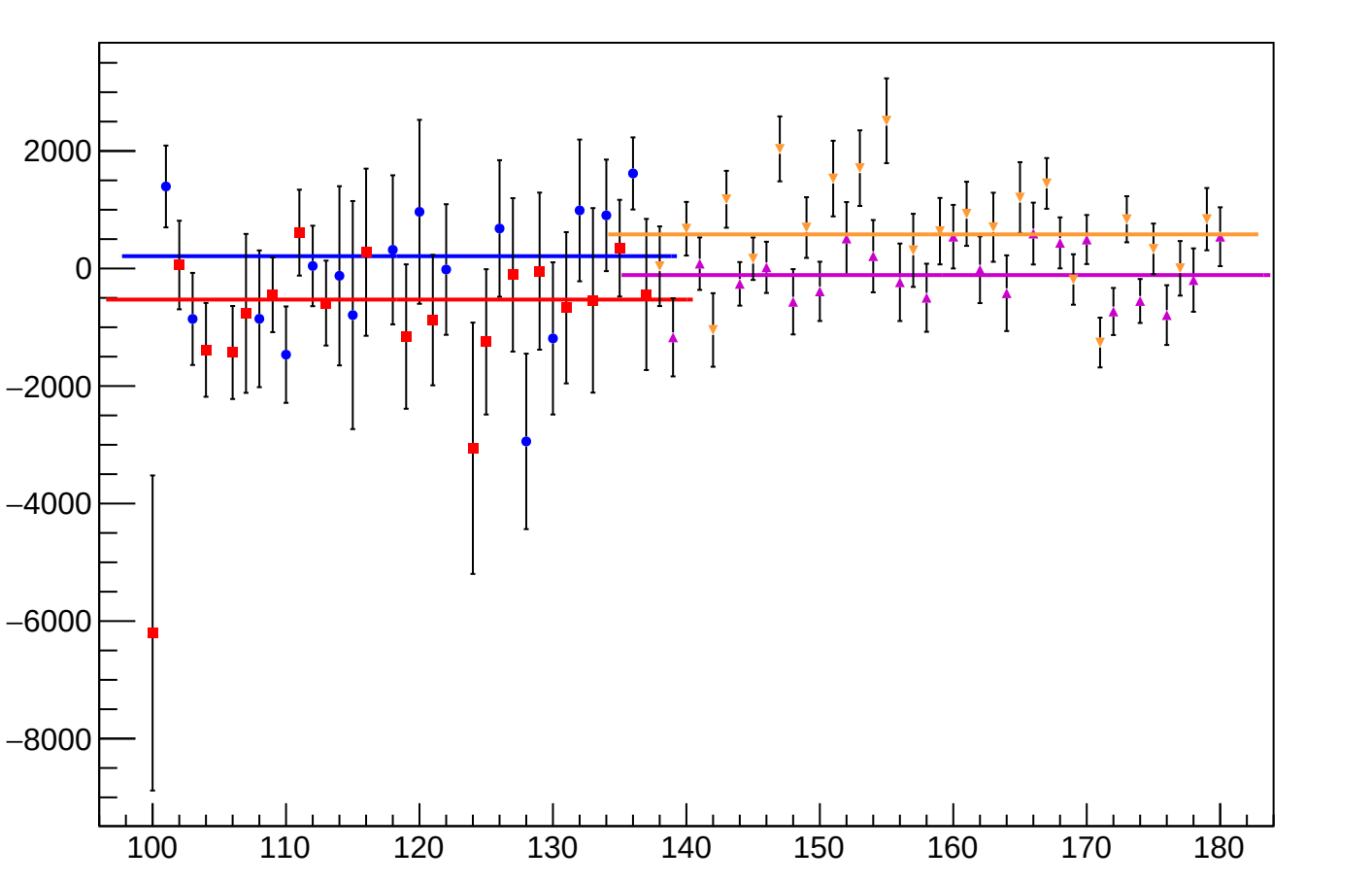
Left: 56.421+/-0.007 χ^2/NDF: 2040284.1/42

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.542+/-0.009 χ^2/NDF:1539745.2/36

Out: 58.436+/-0.009 χ^2/NDF:1641262.8/40

All: 58.488+/-0.006 χ^2/NDF: 3181084.4/77



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -111.740+/-107.985 χ^2/NDF:20.2/20

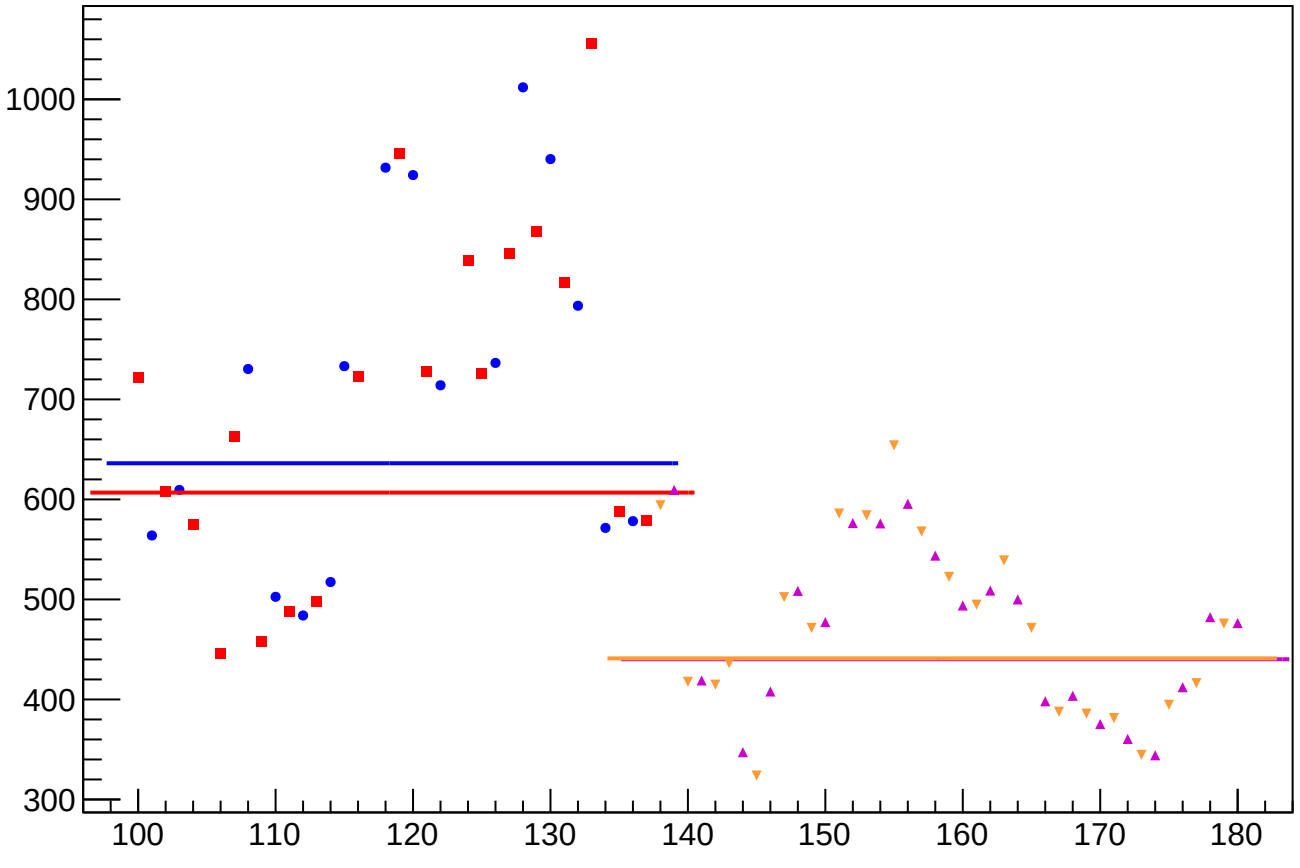
Left: 235.781+/-76.209 χ^2/NDF: 100.9/42

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.969+/-98.734 χ^2/NDF:44.1/36

Out: 381.073+/-97.413 χ^2/NDF:93.0/40

All: 164.014+/-69.344 χ^2/NDF: 147.2/77



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 441.044+/-0.076 χ^2/NDF:1193751.8/21

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 440.193+/-0.076 χ^2/NDF:1061396.6/20

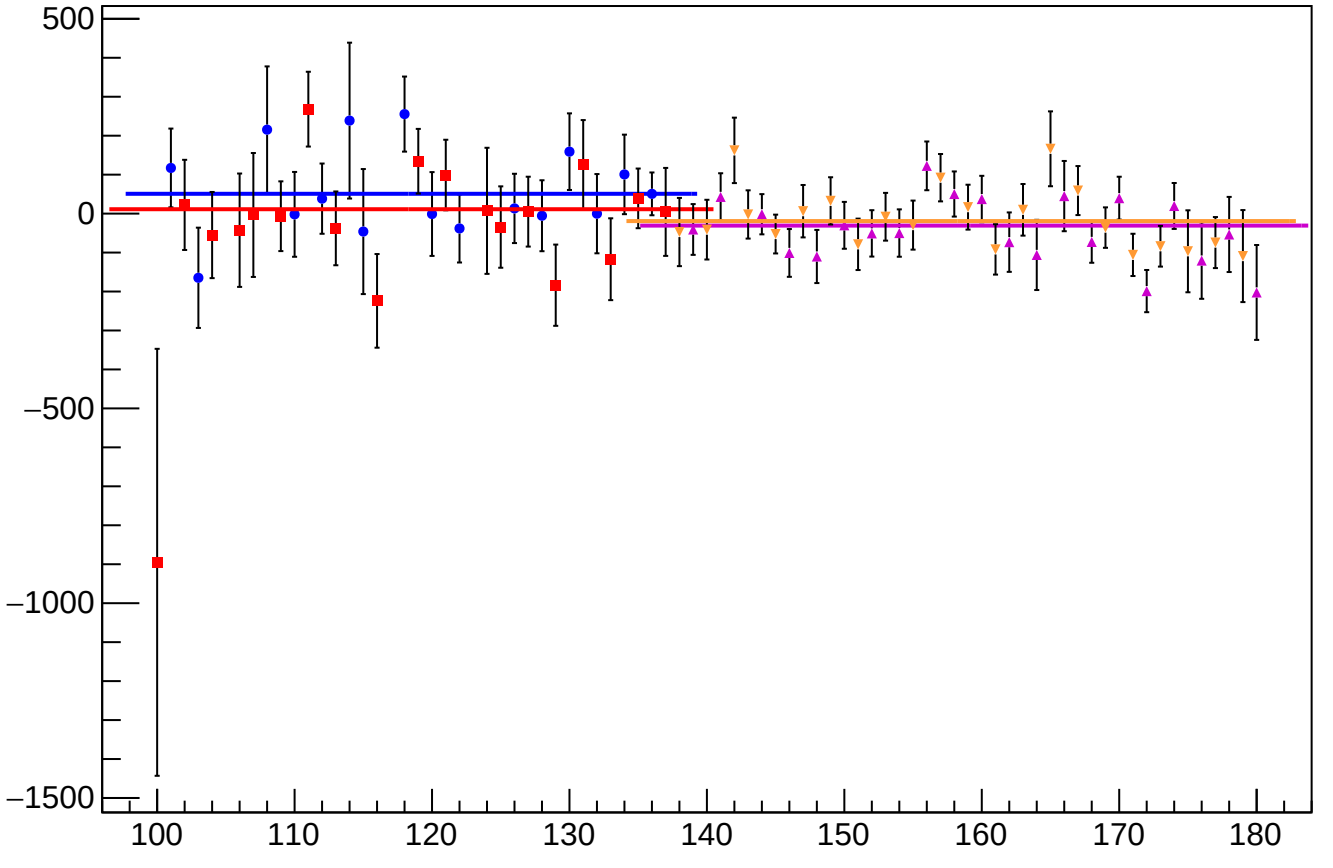
Left: 440.620+/-0.054 χ^2/NDF: 2255210.8/42

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 472.331+/-0.070 χ^2/NDF:2846746.1/36

Out: 470.862+/-0.069 χ^2/NDF:2941941.9/40

All: 471.586+/-0.049 χ^2/NDF: 5788912.5/77



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.181+/-13.842 χ^2/NDF:23.6/21

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -30.768+/-14.097 χ^2/NDF:31.2/20

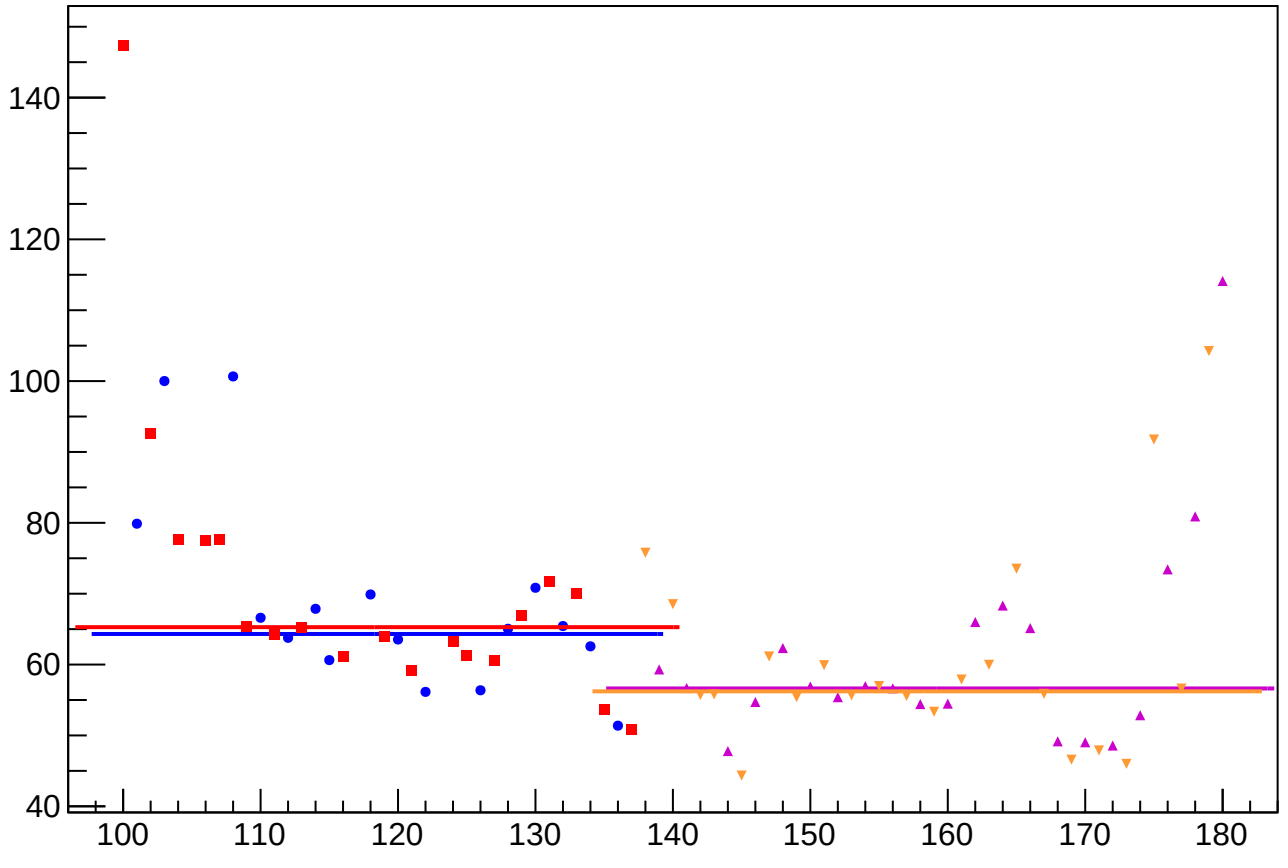
Left: -24.869+/-9.877 χ^2/NDF: 55.1/42

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -10.457+/-12.218 χ^2/NDF:53.3/36

Out: -11.735+/-12.030 χ^2/NDF:48.8/40

All: -11.106+/-8.572 χ^2/NDF: 102.1/77



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112668.8/21

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.629+/-0.010 χ^2/NDF:926741.4/20

Left: 56.421+/-0.007 χ^2/NDF: 2040264.4/42

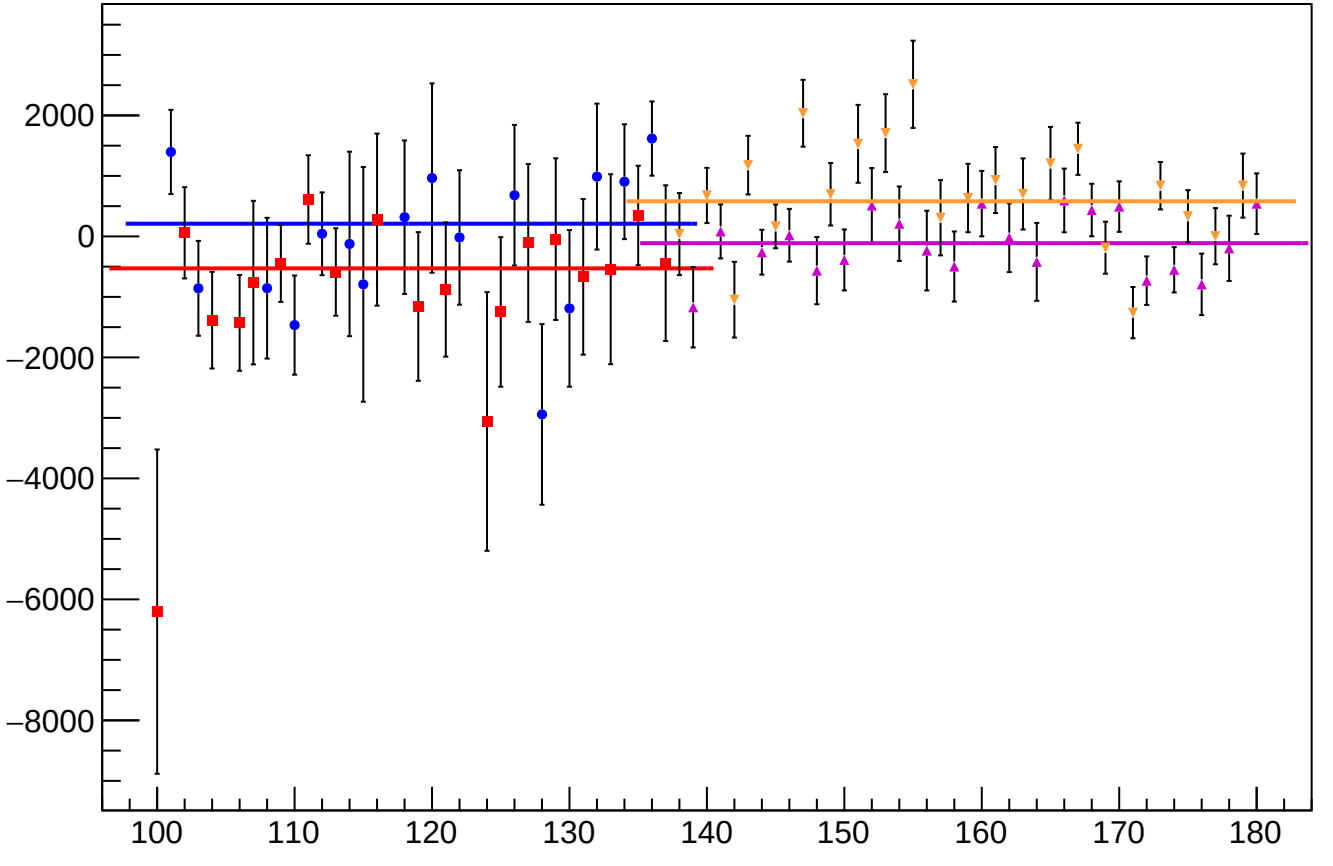
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.542+/-0.009 χ^2/NDF:1539719.4/36

Out: 58.436+/-0.009 χ^2/NDF:1641253.9/40

All: 58.488+/-0.006 χ^2/NDF: 3181049.7/77

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: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -111.740+/-107.985 χ^2/NDF:20.2/20

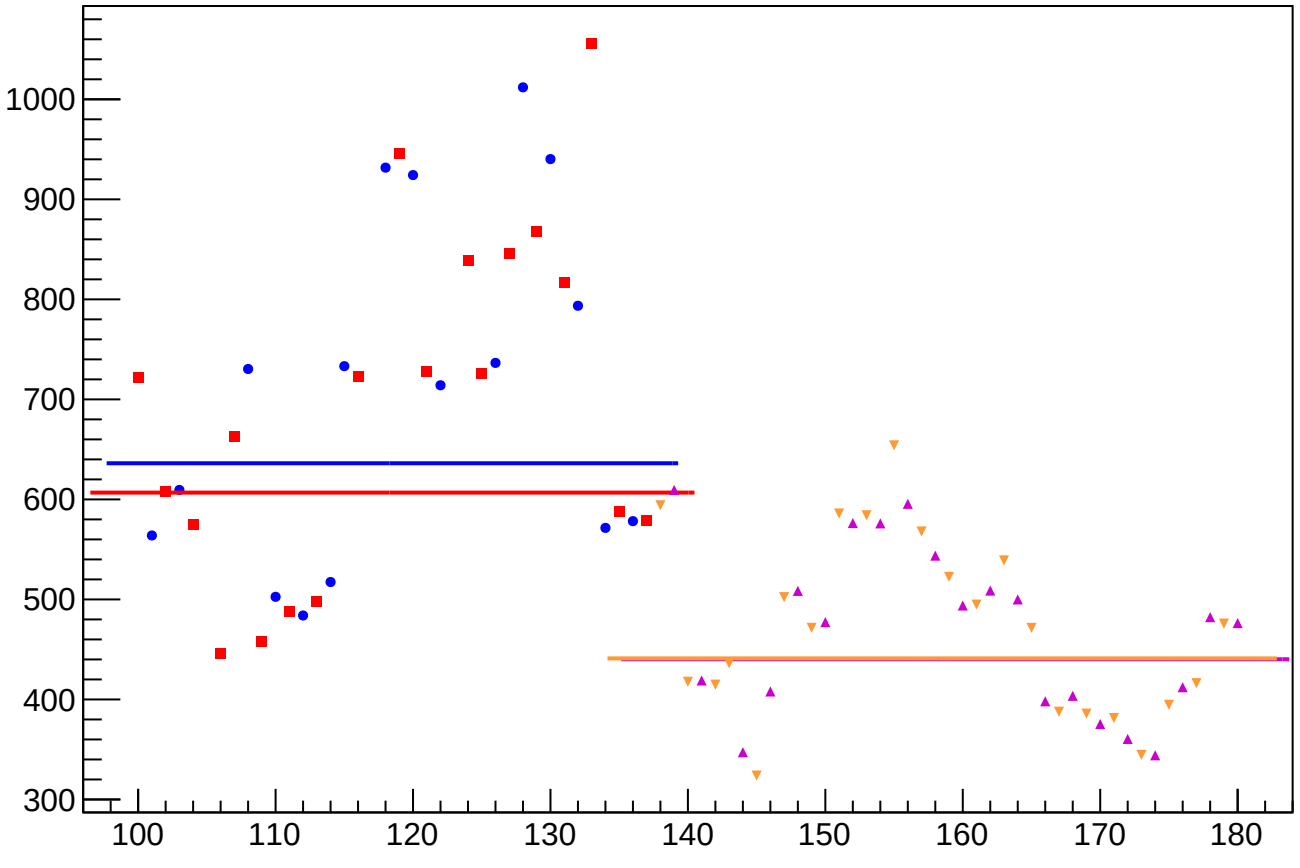
Left: 235.781+/-76.209 χ^2/NDF: 100.9/42

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.969+/-98.733 χ^2/NDF:44.1/36

Out: 381.073+/-97.413 χ^2/NDF:93.0/40

All: 164.014+/-69.343 χ^2/NDF: 147.2/77



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 441.043+/-0.076 χ^2/NDF:1193759.8/21

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 440.192+/-0.076 χ^2/NDF:1061403.0/20

Left: 440.619+/-0.054 χ^2/NDF: 2255225.2/42

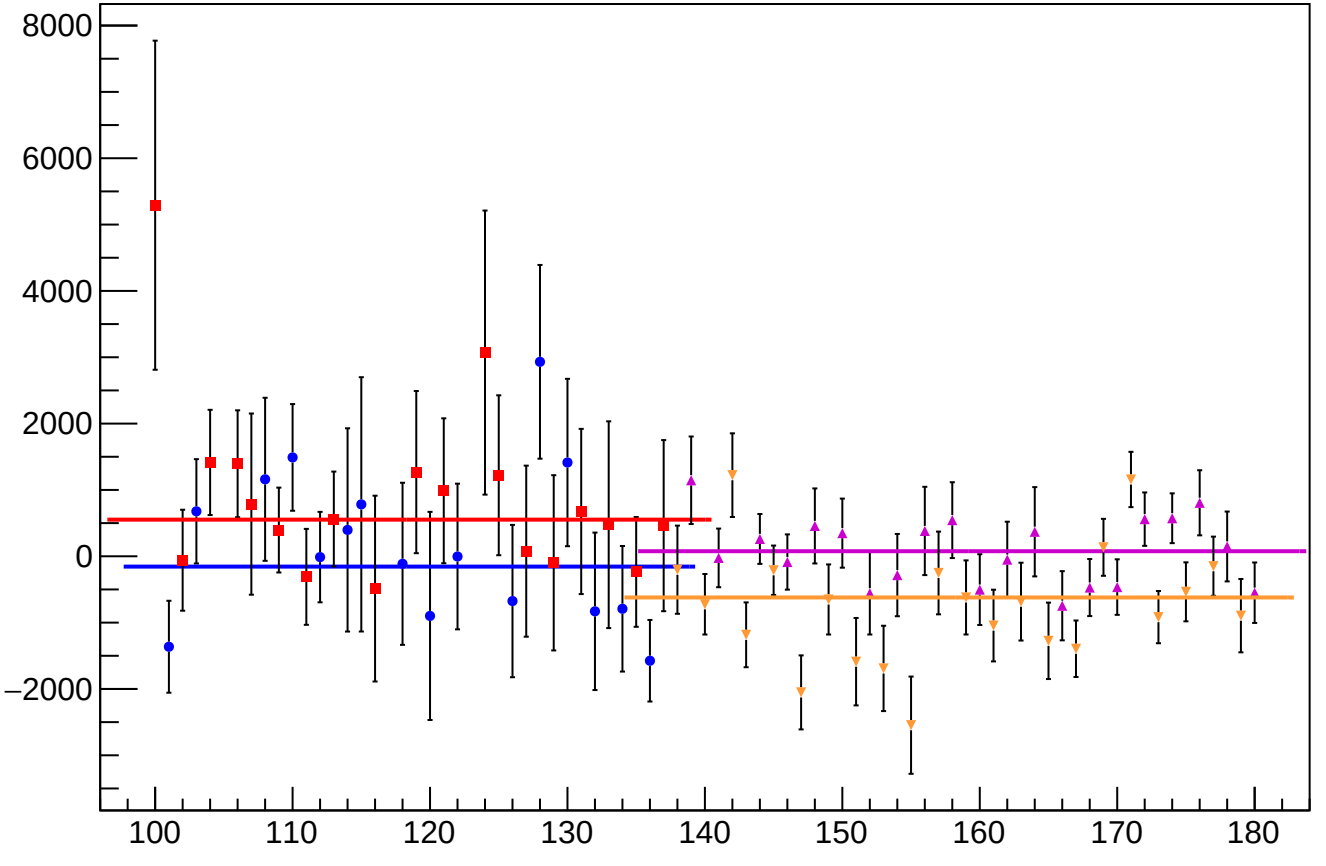
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 472.330+/-0.070 χ^2/NDF:2846764.6/36

Out: 470.861+/-0.069 χ^2/NDF:2941958.2/40

All: 471.585+/-0.049 χ^2/NDF: 5788947.2/77

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -620.864+/-107.825 χ^2/NDF:58.8/21

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 76.381+/-107.200 χ^2/NDF:20.6/20

Left: -270.213+/-76.022 χ^2/NDF: 100.4/42

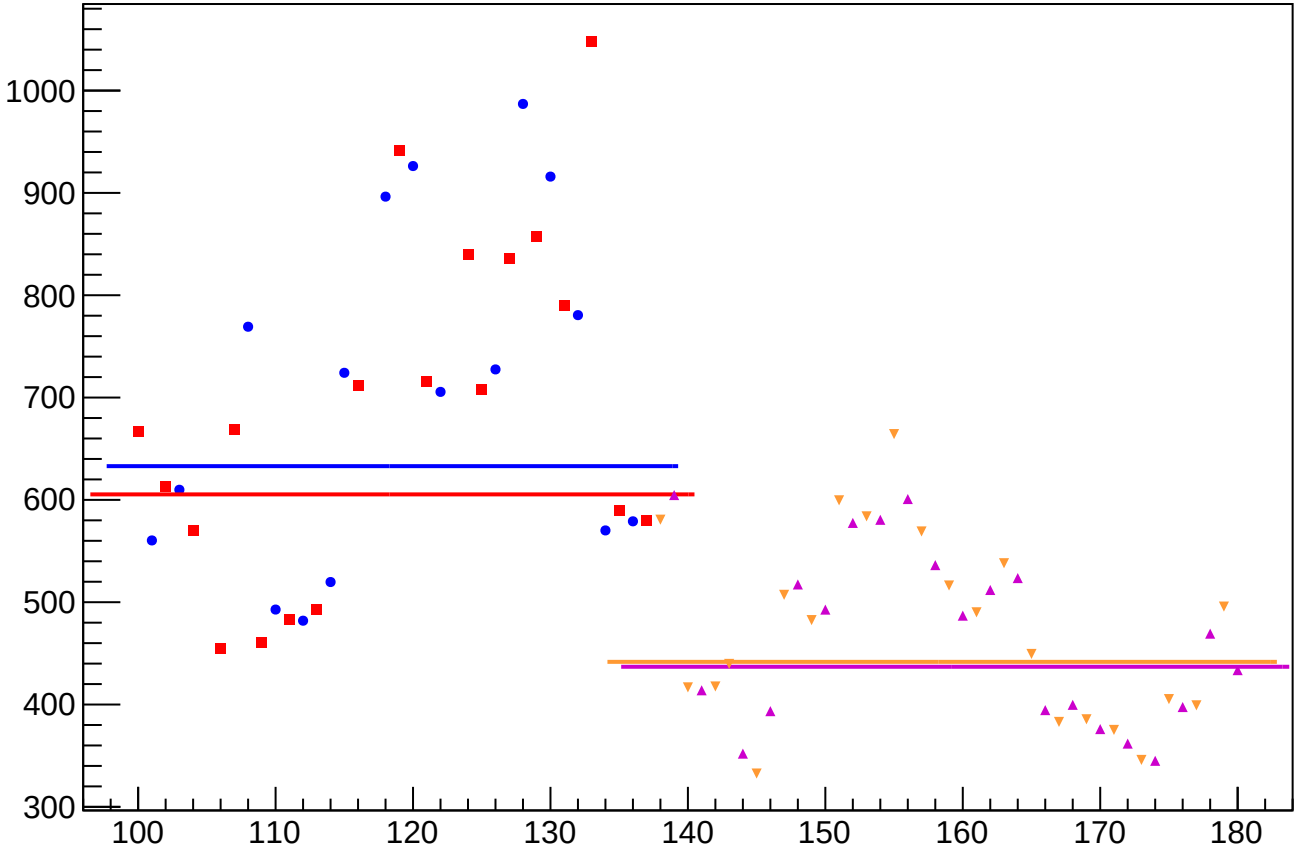
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 38.475+/-98.053 χ^2/NDF:43.8/36

Out: -407.825+/-97.544 χ^2/NDF:92.4/40

All: -185.837+/-69.153 χ^2/NDF: 146.6/77

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 441.716+/-0.076 χ^2/NDF:1186936.6/21

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 436.911+/-0.076 χ^2/NDF:1079244.7/20

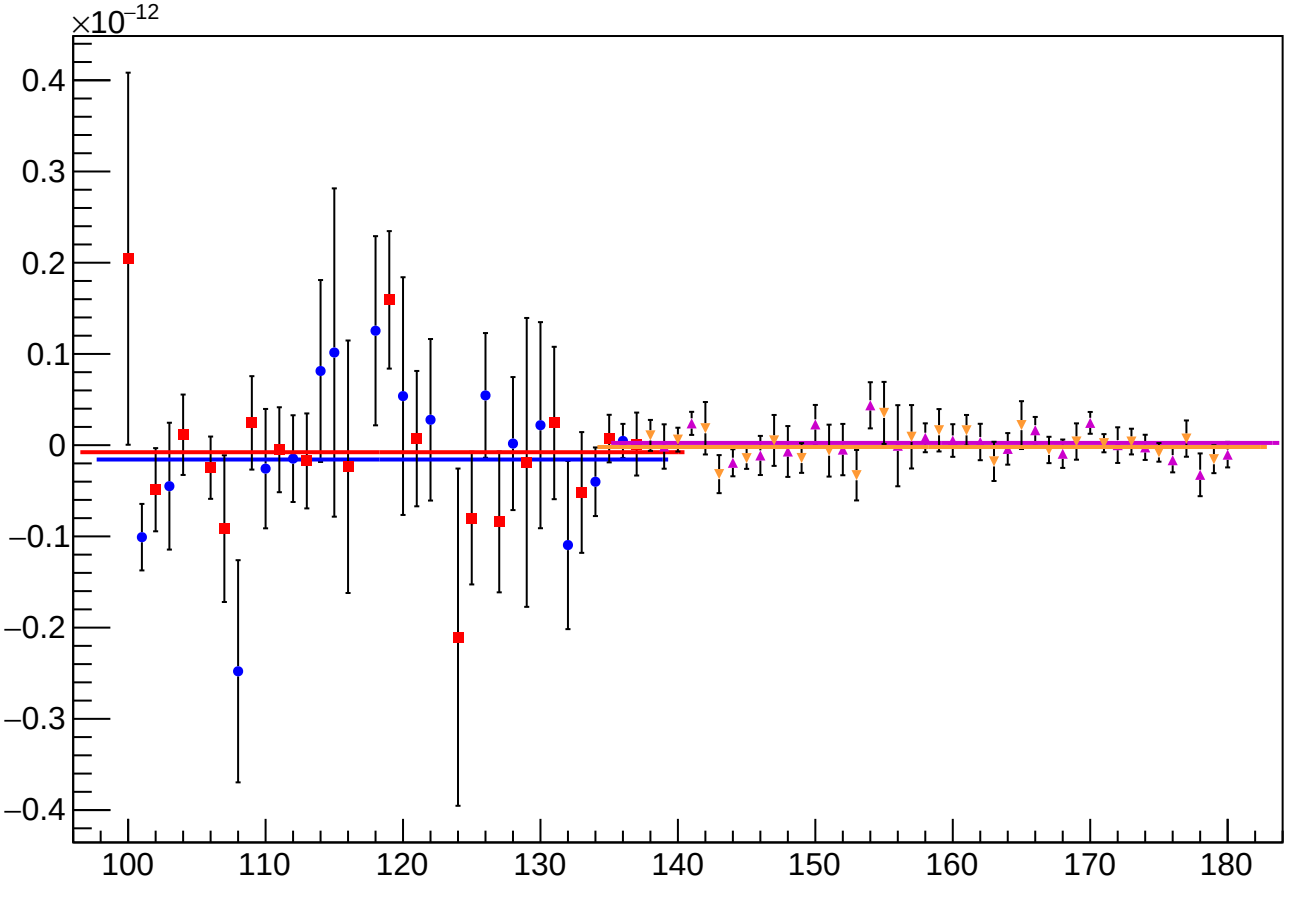
Left: 439.299+/-0.054 χ^2/NDF: 2268178.2/42

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 468.940+/-0.069 χ^2/NDF:2853226.9/36

Out: 471.438+/-0.069 χ^2/NDF:2877704.4/40

All: 470.195+/-0.049 χ^2/NDF: 5731583.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/20

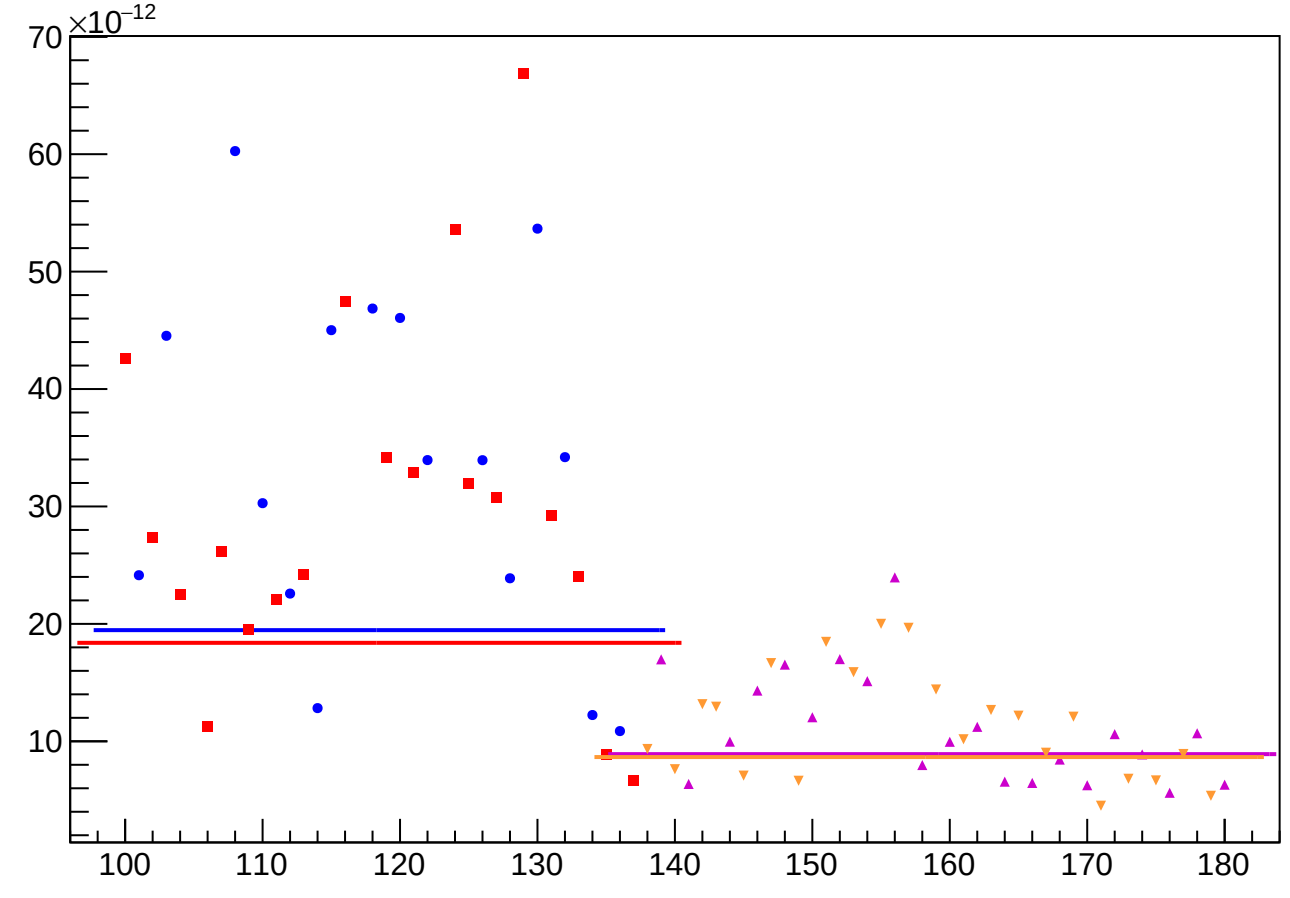
Left: 0.000+/-0.000 χ^2/NDF: 33.1/42

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:38.4/36

Out: -0.000+/-0.000 χ^2/NDF:25.9/40

All: -0.000+/-0.000 χ^2/NDF: 64.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2033798.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1598563.0/20

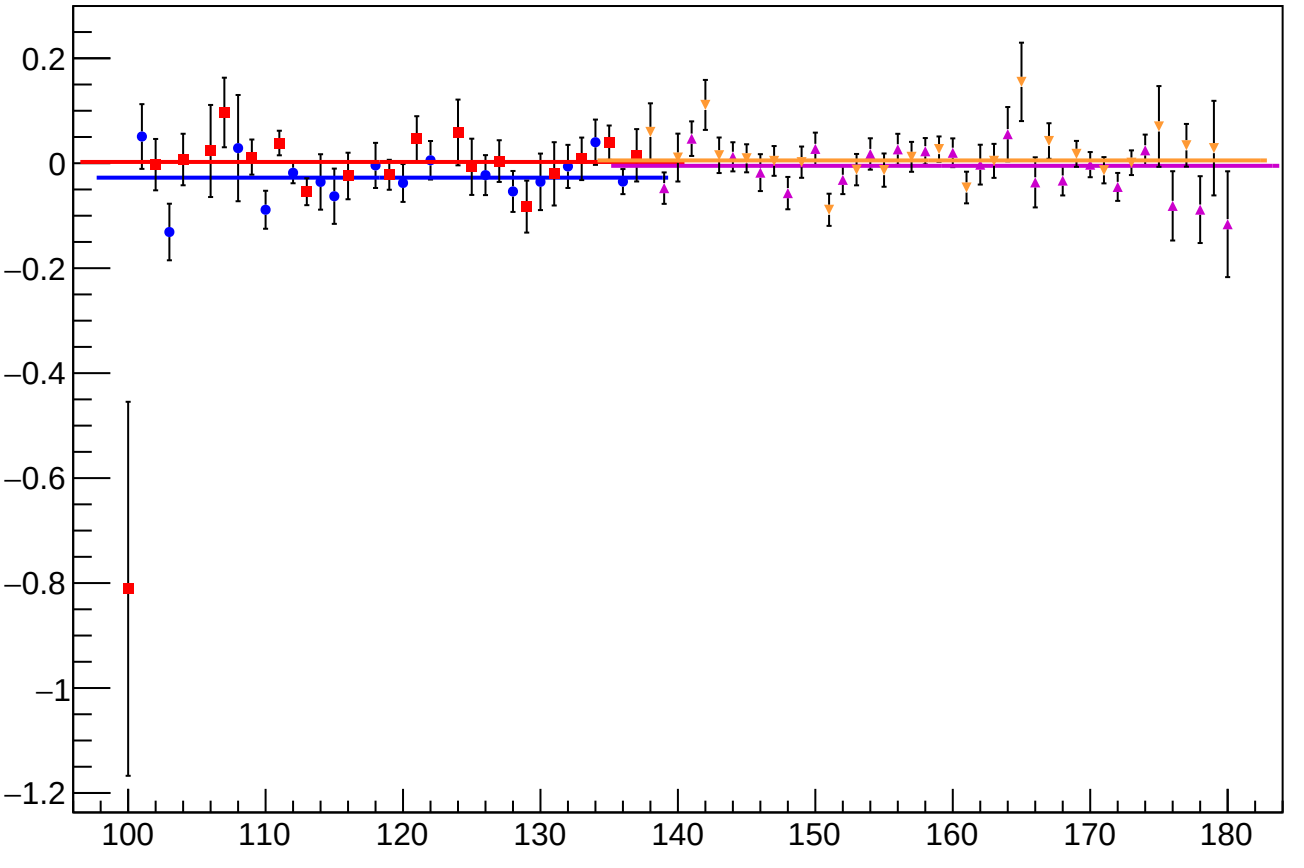
Left: 0.000+/-0.000 χ^2/NDF: 3636972.4/42

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4622067.3/36

Out: 0.000+/-0.000 χ^2/NDF:4655380.2/40

All: 0.000+/-0.000 χ^2/NDF: 9286151.0/77



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.007 χ^2/NDF:24.0/20

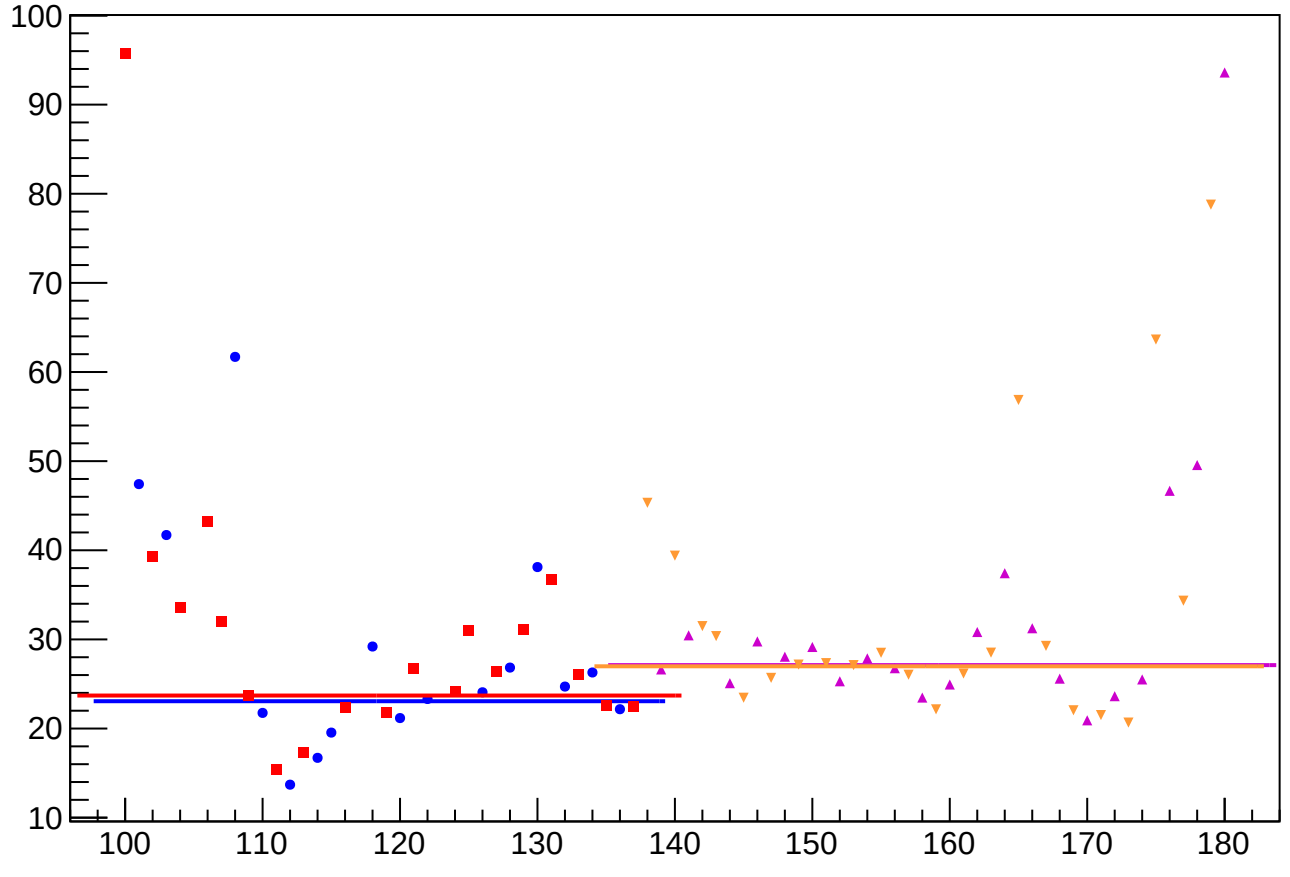
Left: 0.000+/-0.005 χ^2/NDF: 52.3/42

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:41.3/36

Out: 0.004+/-0.006 χ^2/NDF:49.5/40

All: -0.004+/-0.004 χ^2/NDF: 95.6/77



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

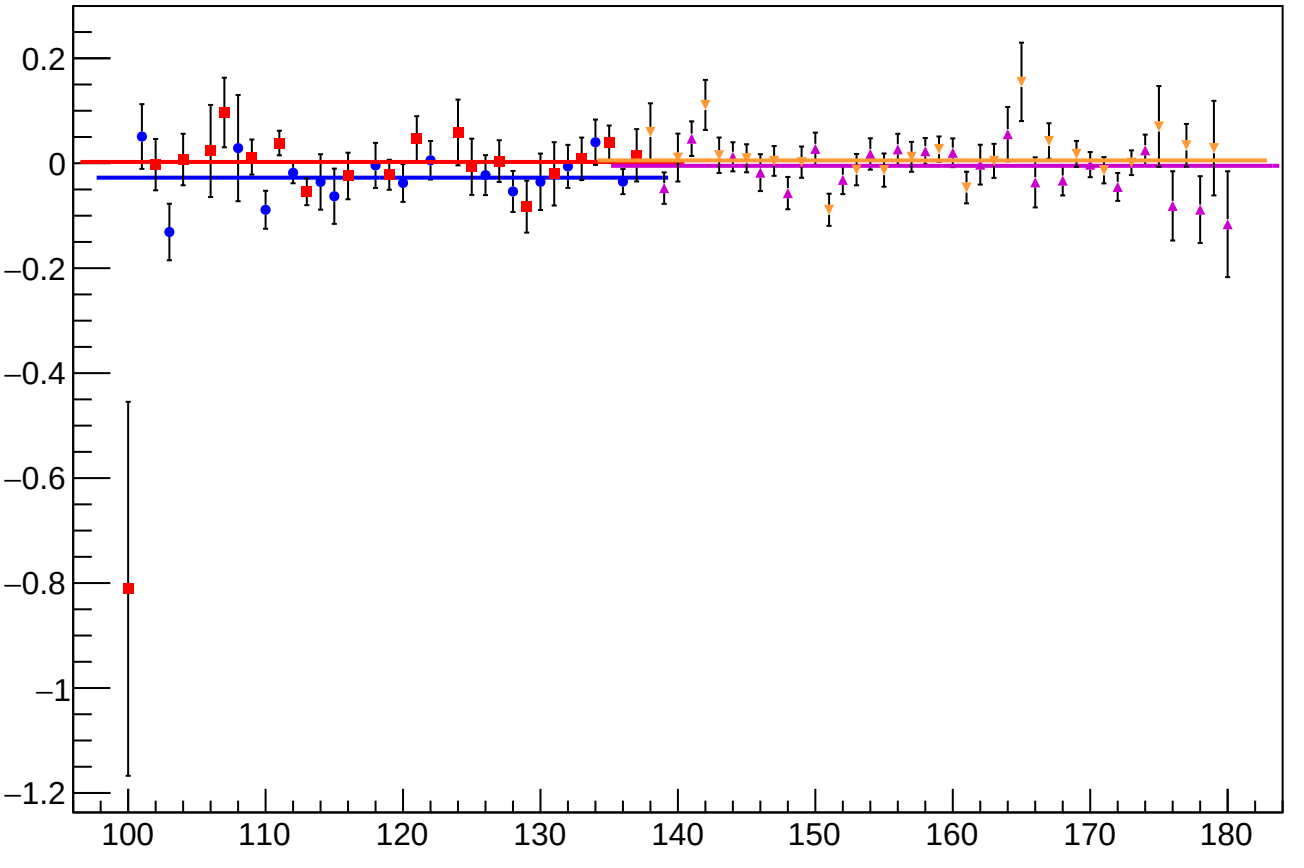
Left: 27.048+/-0.003 χ^2/NDF: 4079763.4/42

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.667+/-0.004 χ^2/NDF:3508446.2/36

Out: 25.820+/-0.004 χ^2/NDF:3623499.0/40

All: 25.744+/-0.003 χ^2/NDF: 7132698.0/77



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.007 χ^2/NDF:24.0/20

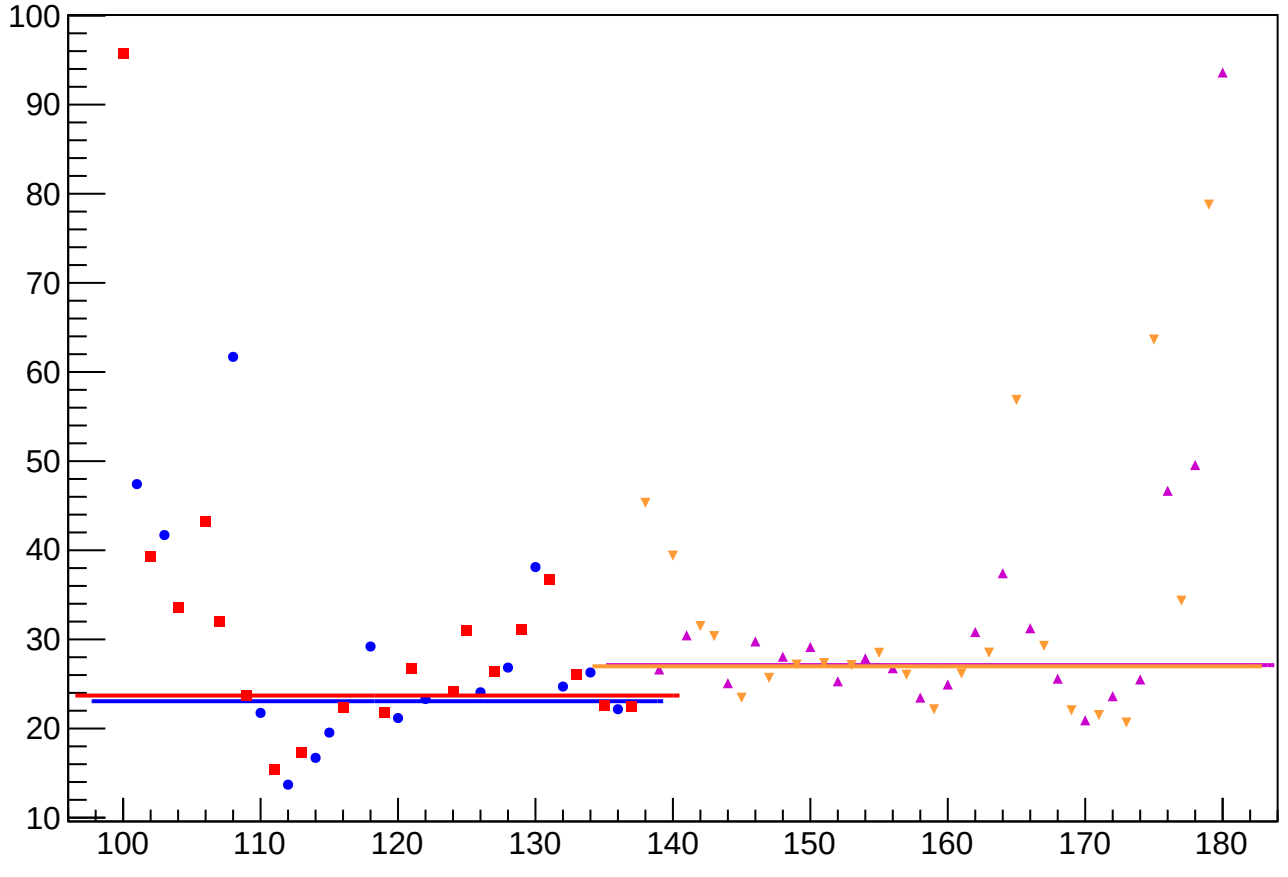
Left: 0.000+/-0.005 χ^2/NDF: 52.3/42

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:41.3/36

Out: 0.004+/-0.006 χ^2/NDF:49.5/40

All: -0.004+/-0.004 χ^2/NDF: 95.6/77



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.114+/-0.005 χ^2/NDF:1705307.6/20

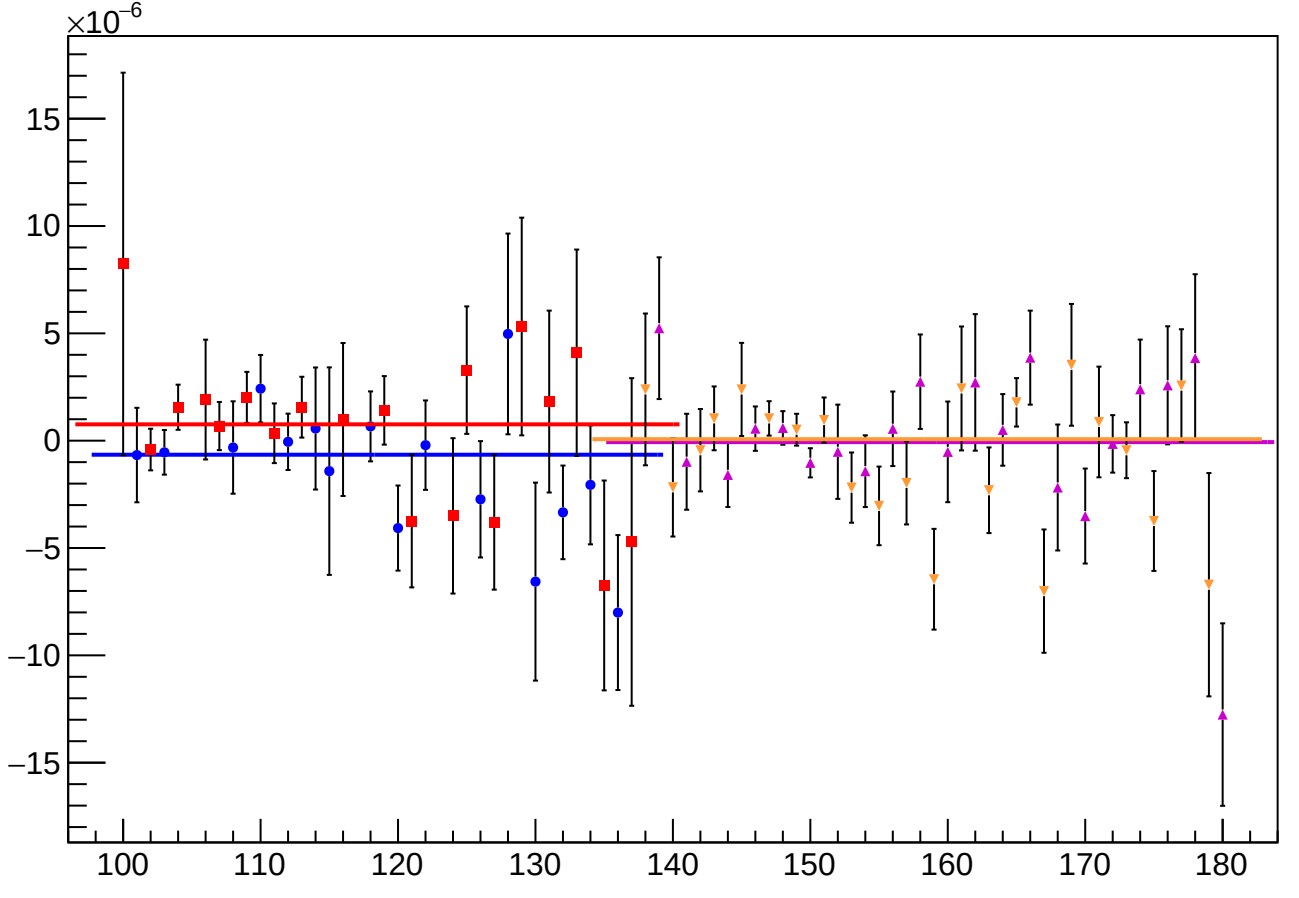
Left: 27.048+/-0.003 χ^2/NDF: 4079763.4/42

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.667+/-0.004 χ^2/NDF:3508446.2/36

Out: 25.820+/-0.004 χ^2/NDF:3623499.0/40

All: 25.744+/-0.003 χ^2/NDF: 7132698.0/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:28.4/20

Left: 0.000+/-0.000 χ^2/NDF: 65.2/42

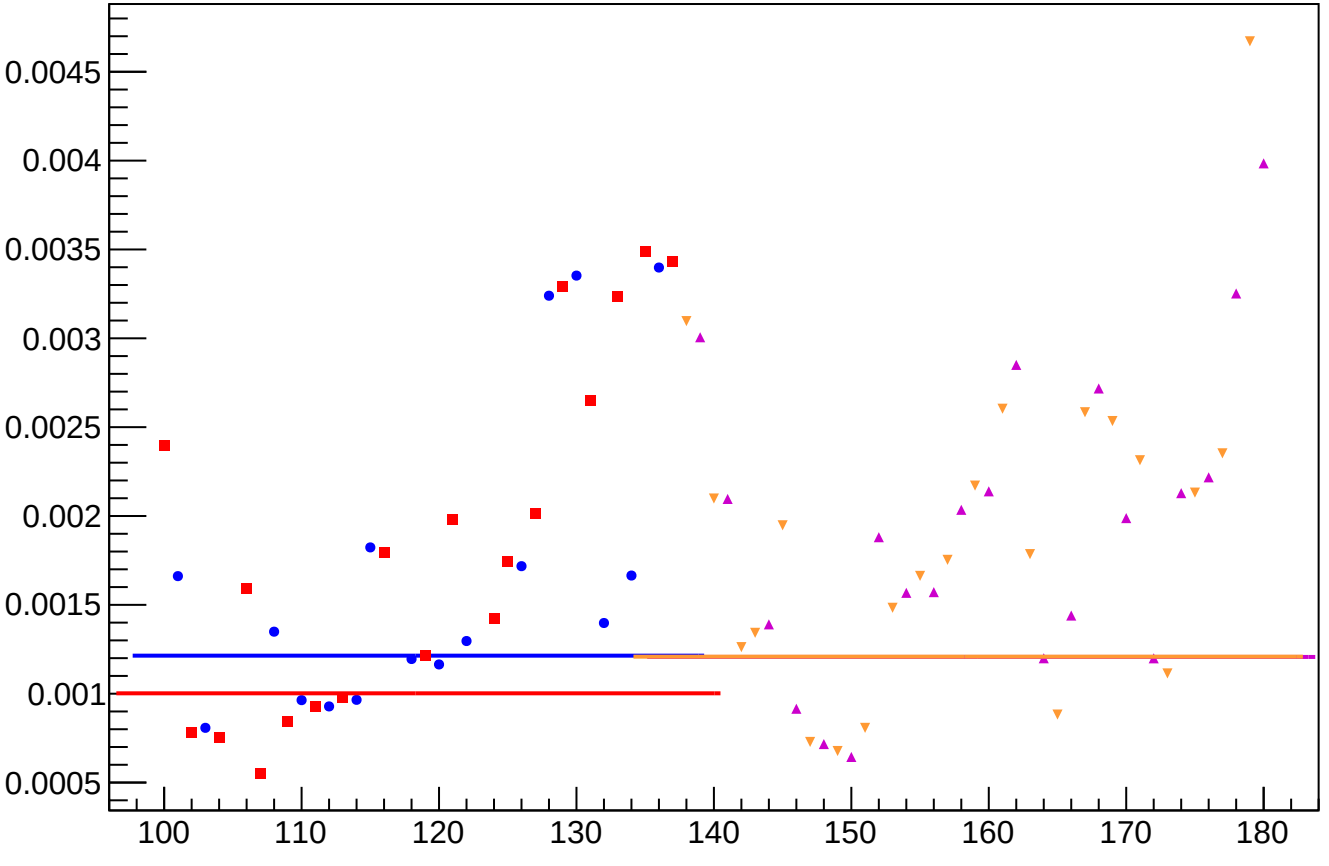
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:46.9/36

Out: 0.000+/-0.000 χ^2/NDF:53.5/40

All: 0.000+/-0.000 χ^2/NDF: 102.8/77

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7486750.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:7549570.9/20

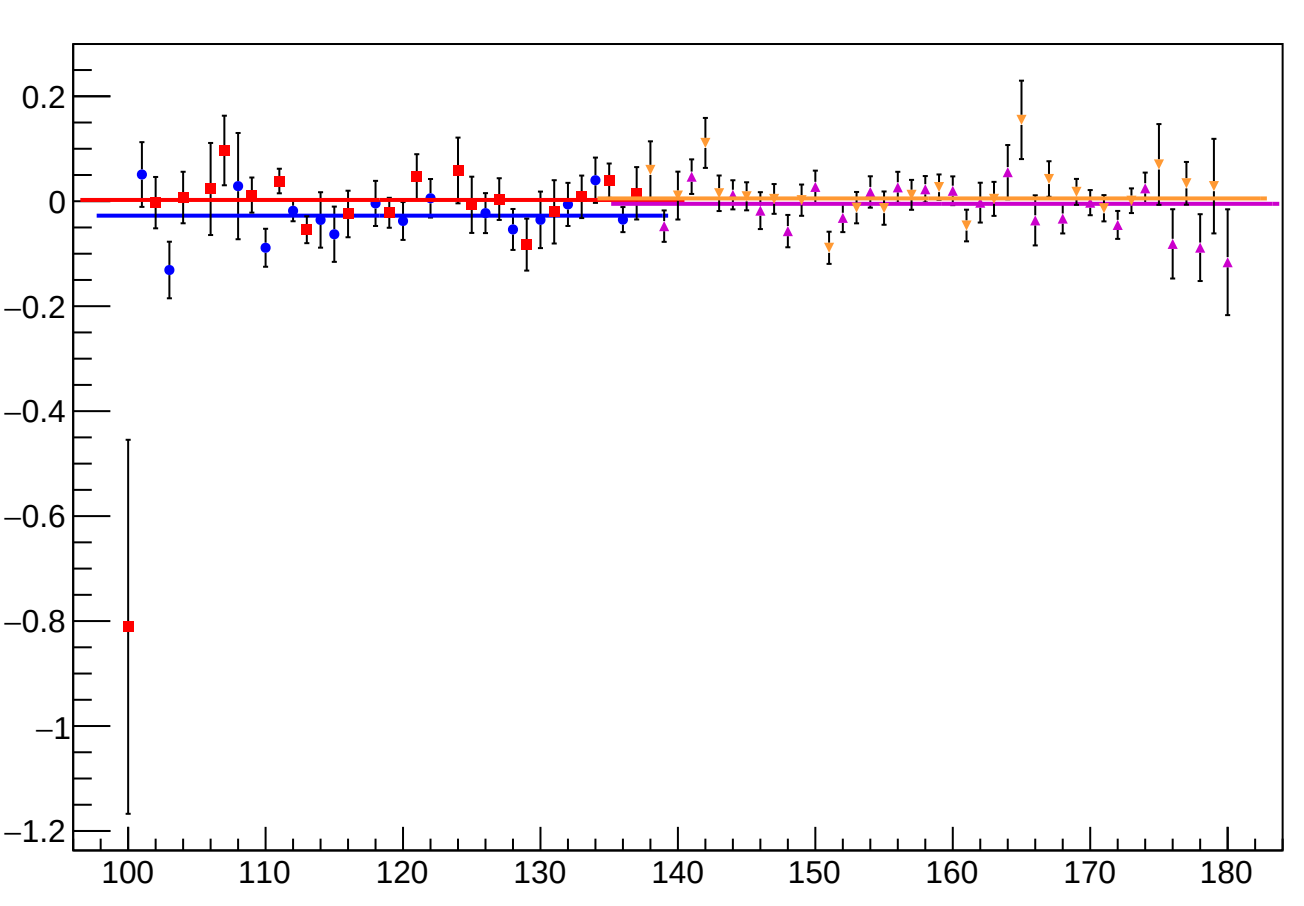
Left: 0.001+/-0.000 χ^2/NDF: 15036344.0/42

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:9817264.2/36

Out: 0.001+/-0.000 χ^2/NDF:11062069.1/40

All: 0.001+/-0.000 χ^2/NDF: 20966935.4/77



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.007 χ^2/NDF:24.0/20

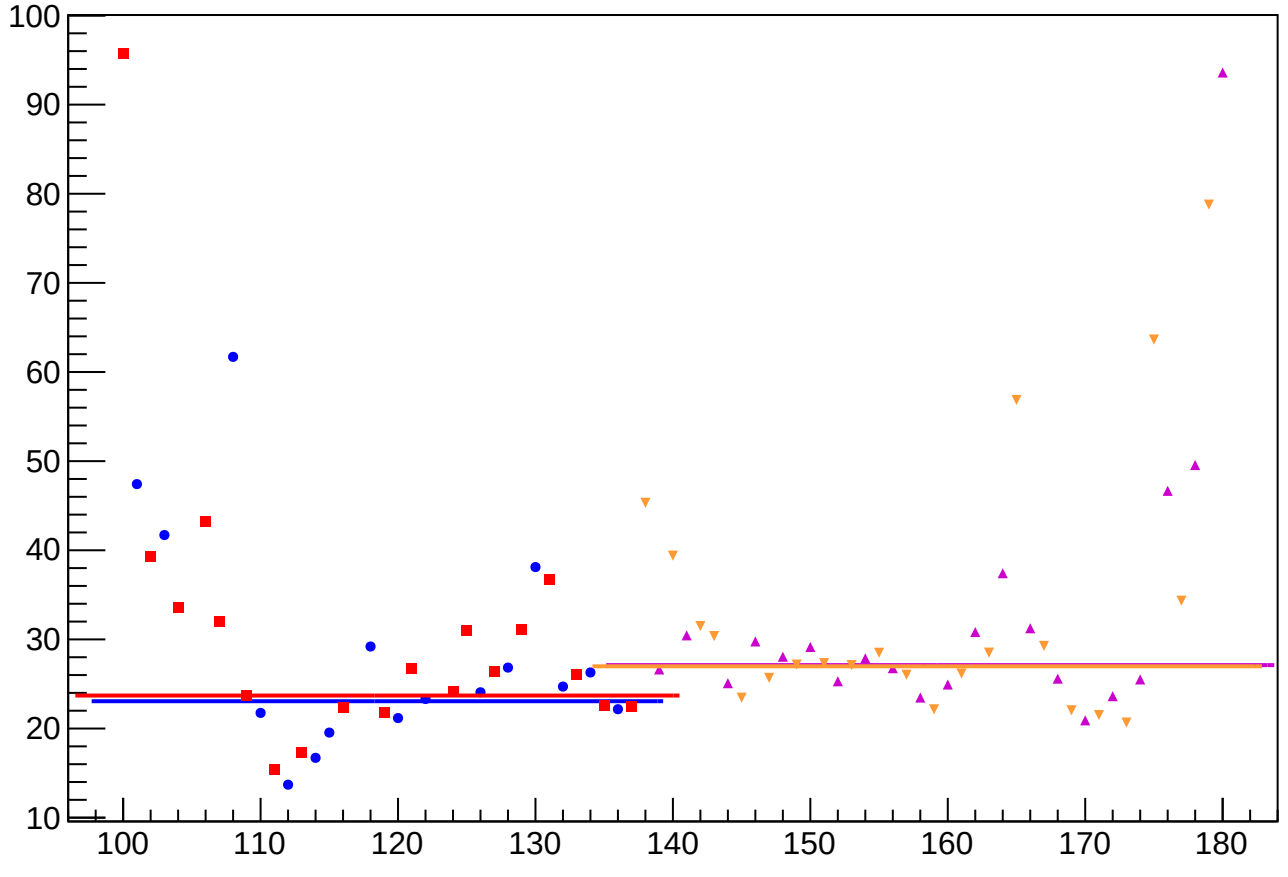
Left: 0.000+/-0.005 χ^2/NDF: 52.3/42

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:41.3/36

Out: 0.004+/-0.006 χ^2/NDF:49.4/40

All: -0.004+/-0.004 χ^2/NDF: 95.6/77



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

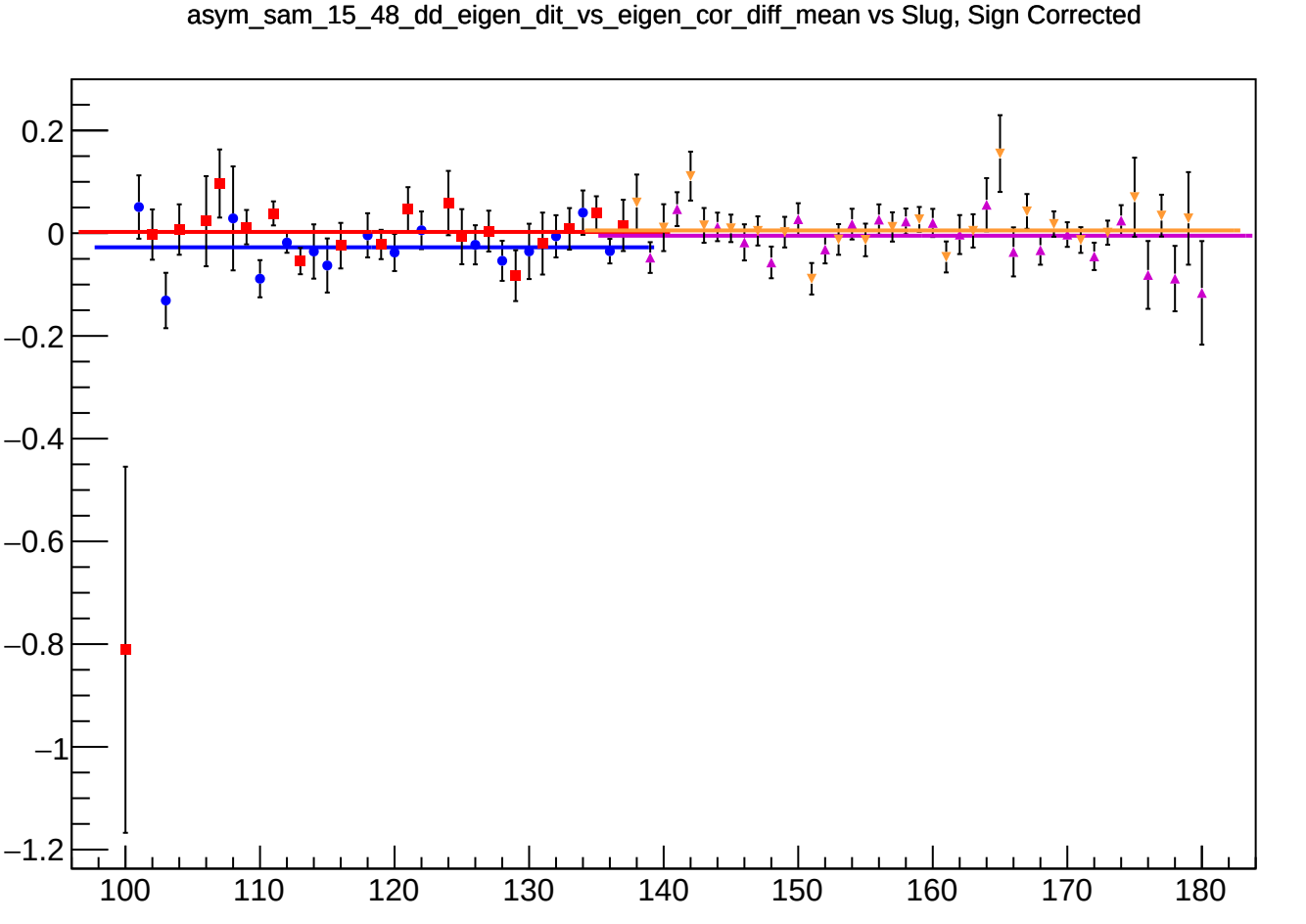
Left: 27.048+/-0.003 χ^2/NDF: 4079684.3/42

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.667+/-0.004 χ^2/NDF:3508476.1/36

Out: 25.820+/-0.004 χ^2/NDF:3623545.1/40

All: 25.744+/-0.003 χ^2/NDF: 7132774.7/77



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.007 χ^2/NDF:24.0/20

Left: 0.000+/-0.005 χ^2/NDF: 52.3/42

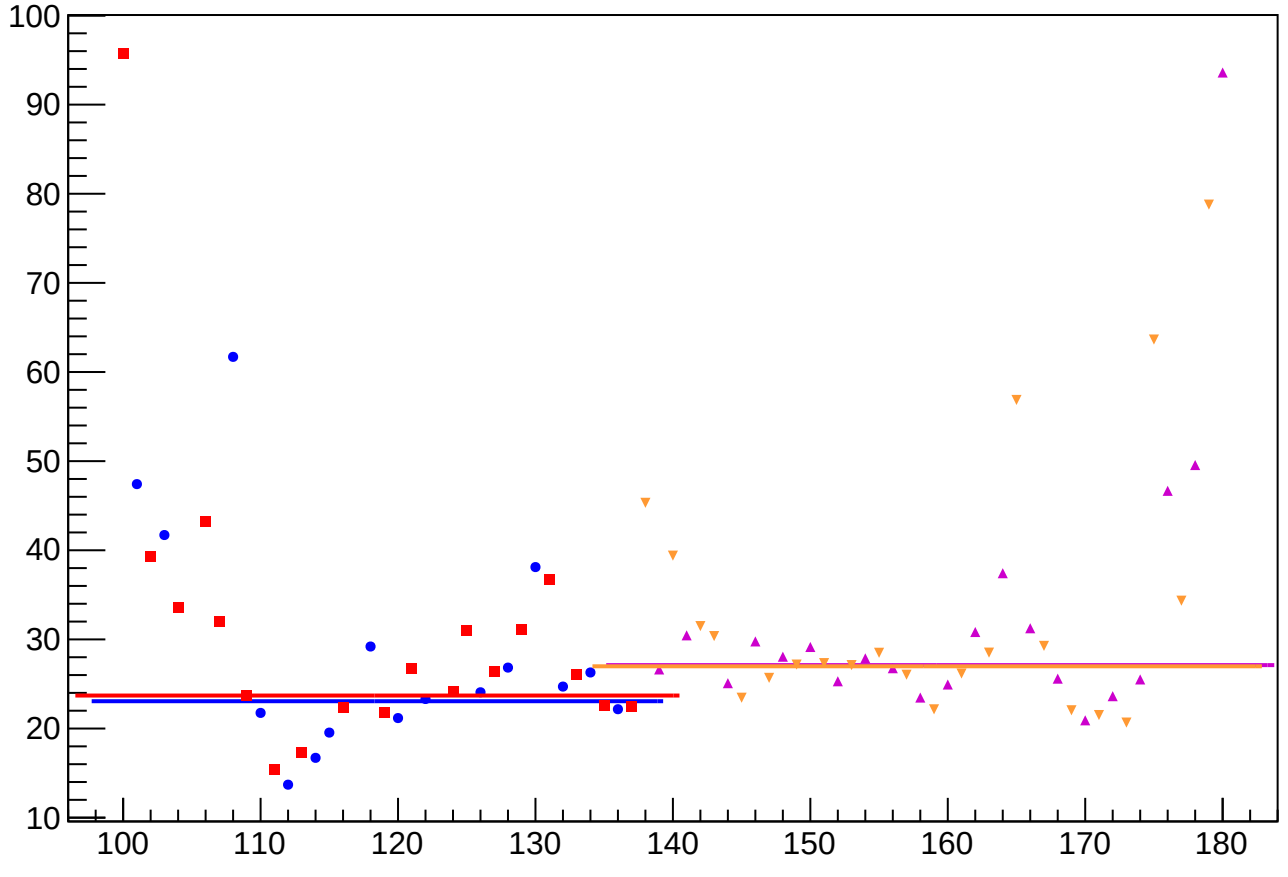
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:41.3/36

Out: 0.004+/-0.006 χ^2/NDF:49.4/40

All: -0.004+/-0.004 χ^2/NDF: 95.6/77

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.115+/-0.005 χ^2/NDF:1705276.1/20

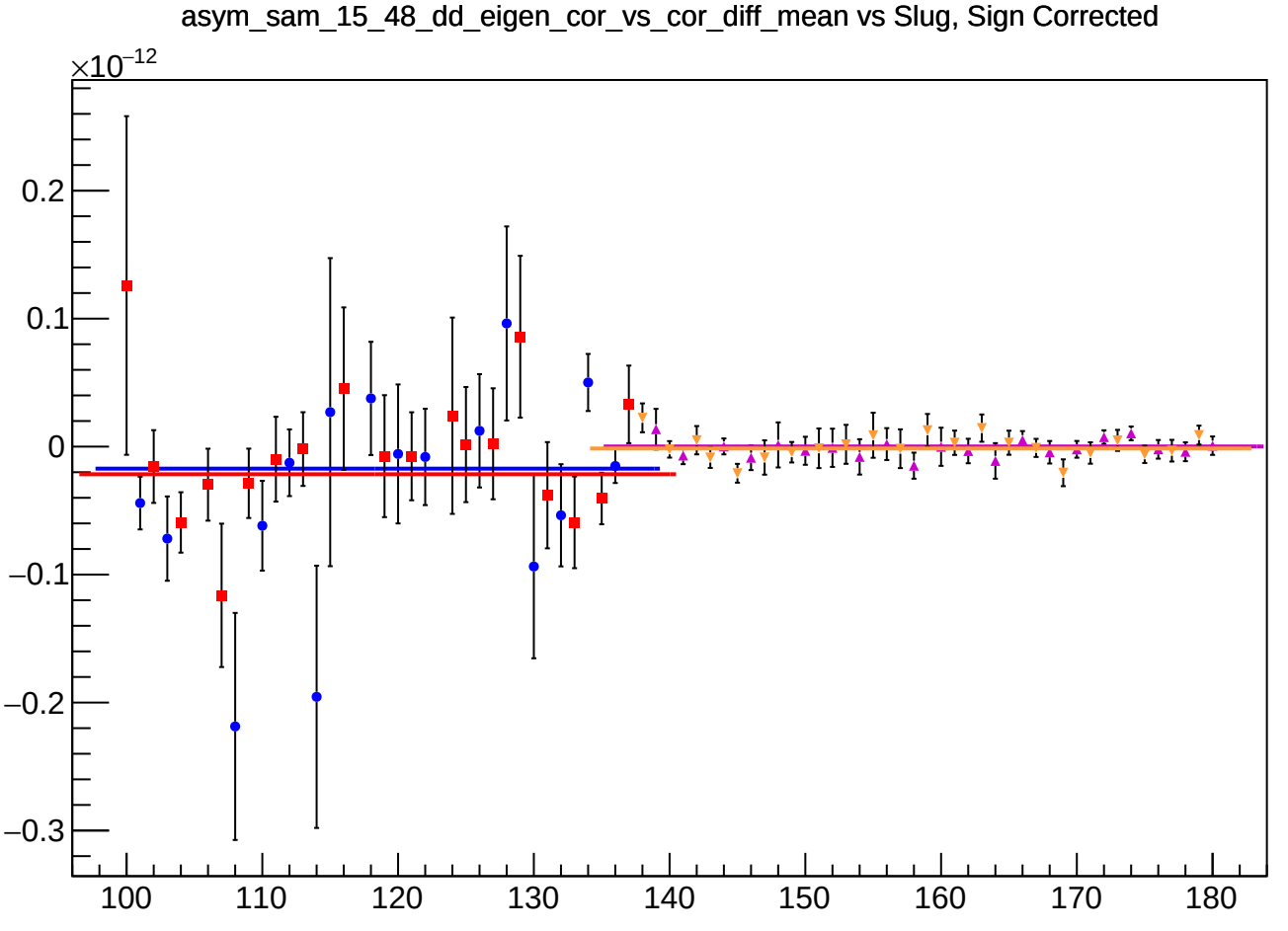
Left: 27.048+/-0.003 χ^2/NDF: 4079684.3/42

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.667+/-0.004 χ^2/NDF:3508476.1/36

Out: 25.820+/-0.004 χ^2/NDF:3623545.1/40

All: 25.744+/-0.003 χ^2/NDF: 7132774.7/77



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/20

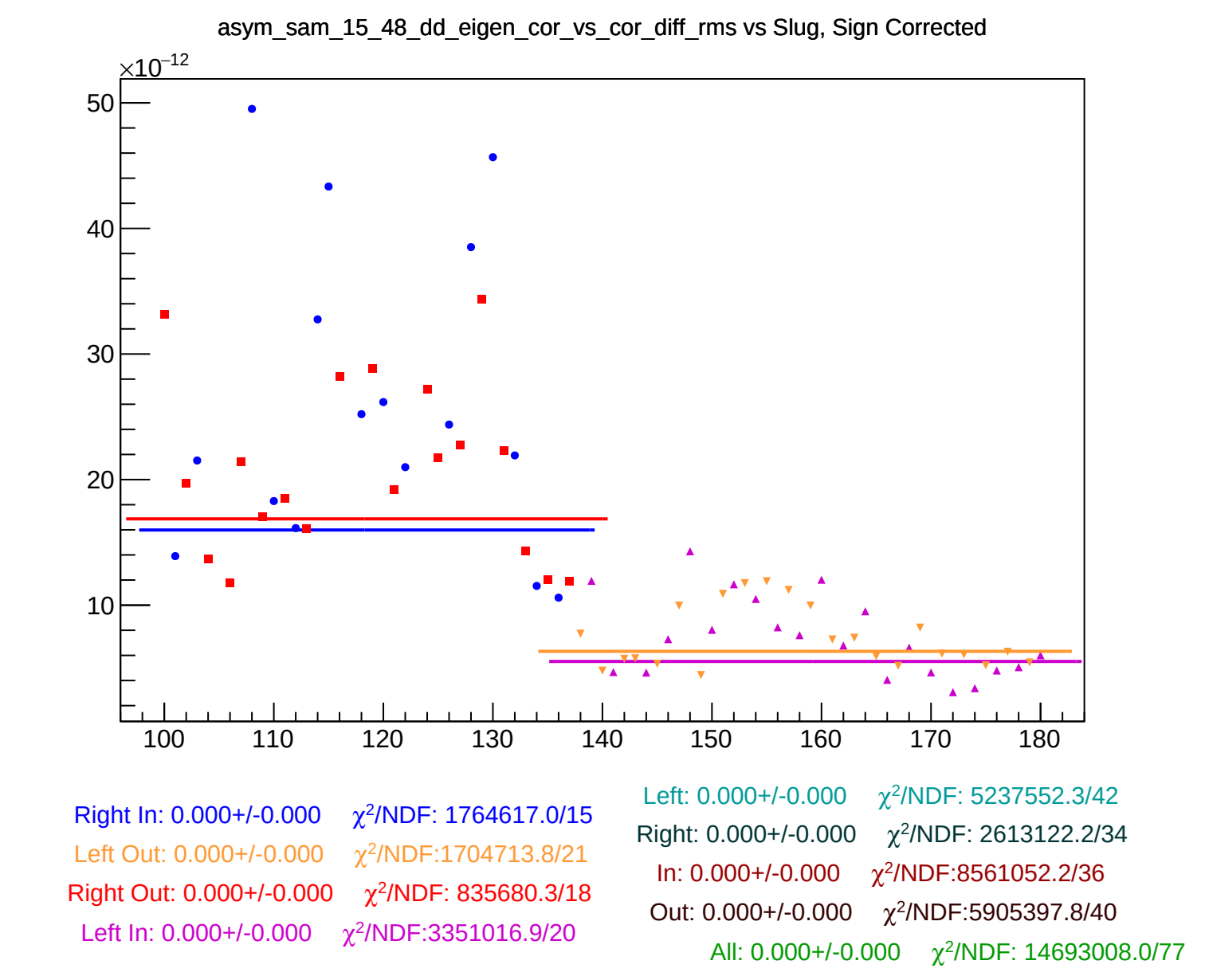
Left: -0.000+/-0.000 χ^2/NDF: 37.1/42

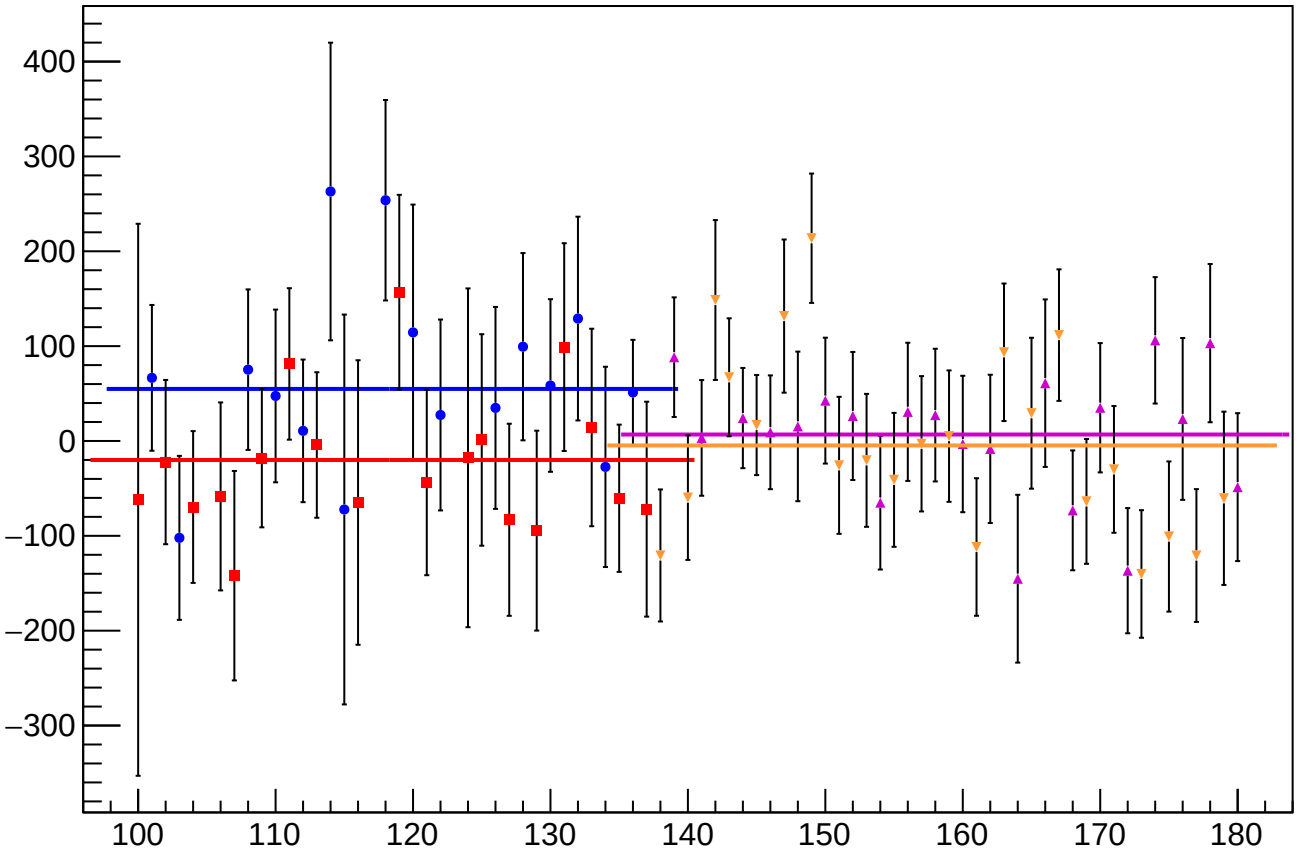
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.5/36

Out: -0.000+/-0.000 χ^2/NDF:48.0/40

All: -0.000+/-0.000 χ^2/NDF: 96.0/77


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
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1704713.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3351016.9/20
Left: 0.000+/-0.000 χ²/NDF: 5237552.3/42
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8561052.2/36
Out: 0.000+/-0.000 χ²/NDF:5905397.8/40
All: 0.000+/-0.000 χ²/NDF: 14693008.0/77



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.717+/-14.954 χ^2/NDF:38.4/21

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 6.809+/-15.185 χ^2/NDF:17.4/20

Left: 0.957+/-10.655 χ^2/NDF: 56.1/42

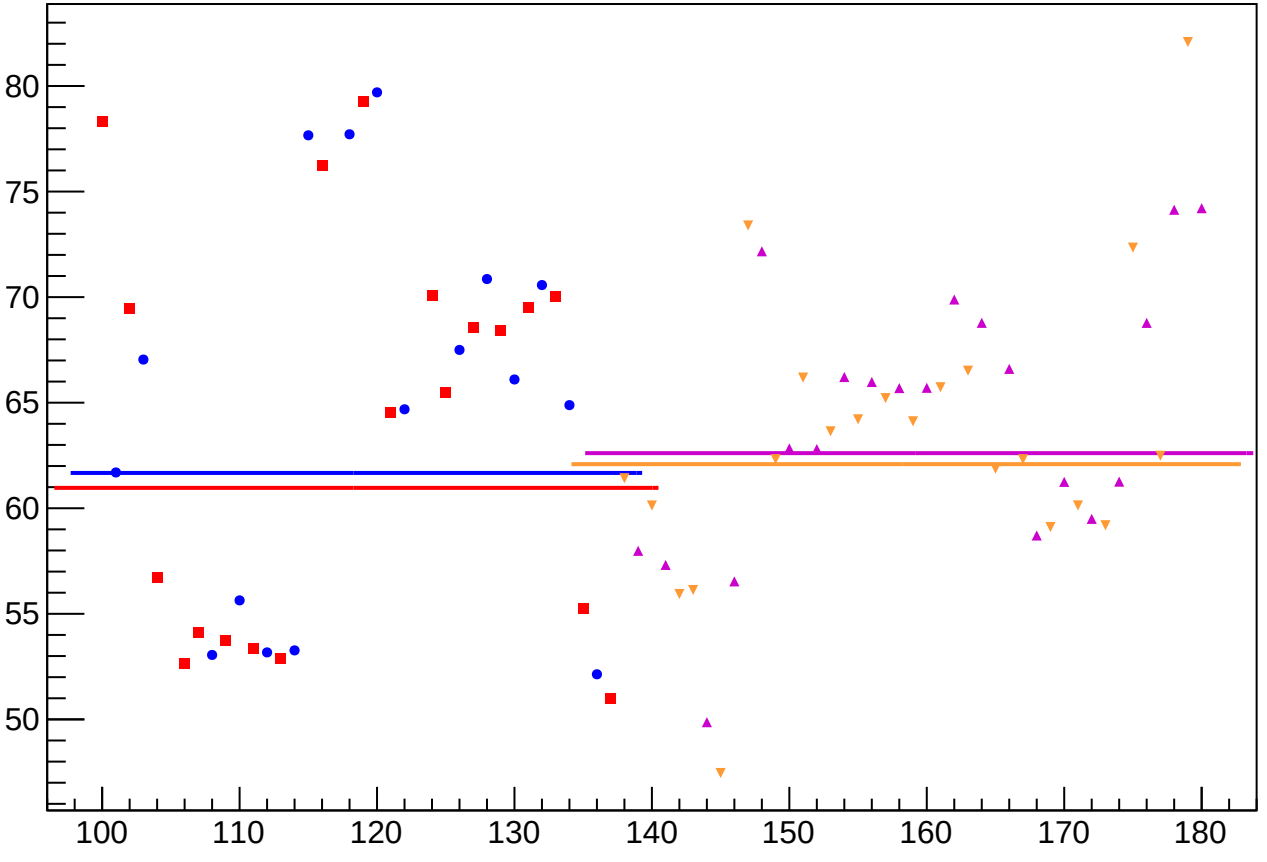
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.246+/-12.702 χ^2/NDF:31.4/36

Out: -9.385+/-12.466 χ^2/NDF:48.0/40

All: 5.643+/-8.897 χ^2/NDF: 82.4/77

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

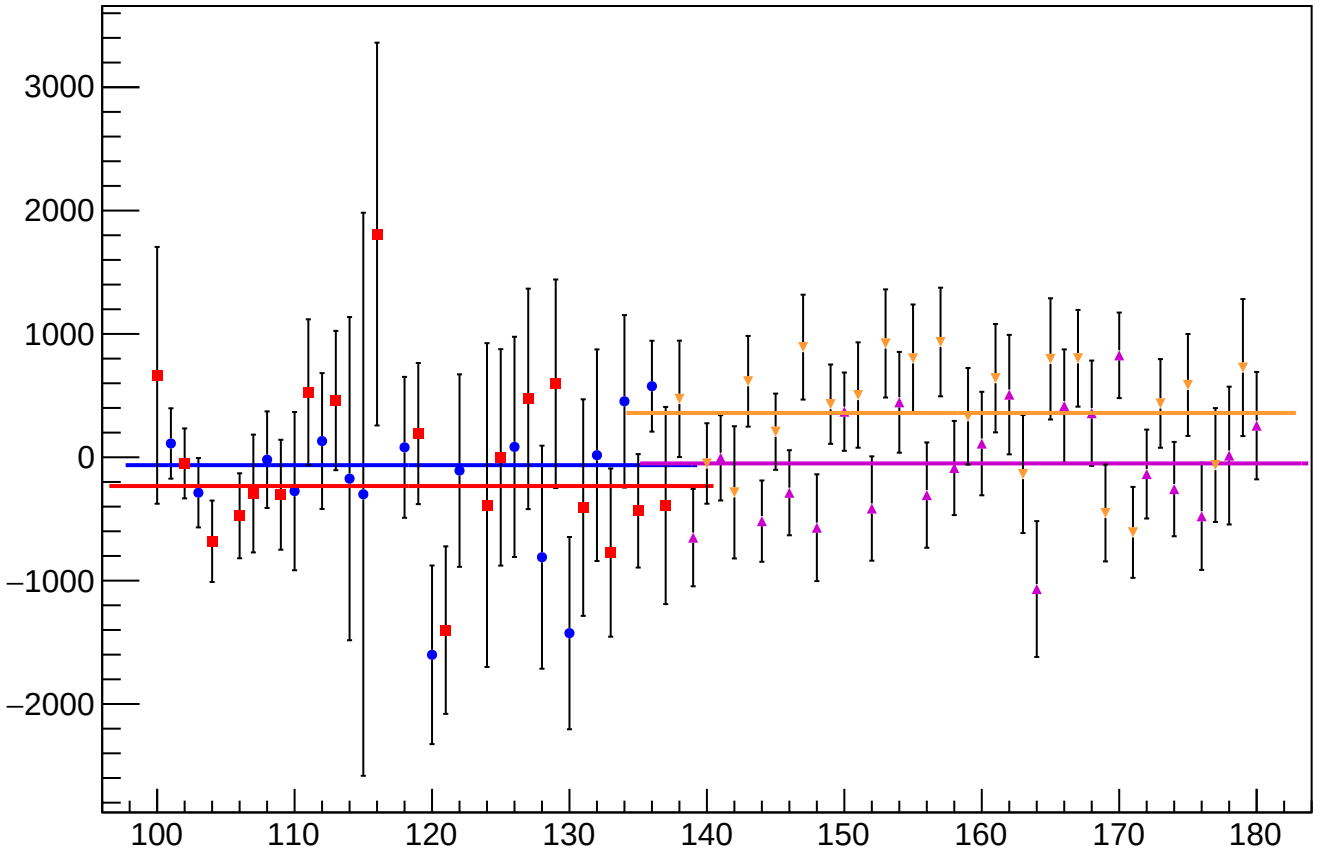
Left: 62.345+/-0.008 χ^2/NDF: 738344.5/42

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 62.329+/-0.009 χ^2/NDF:616346.5/36

Out: 61.746+/-0.009 χ^2/NDF:677812.0/40

All: 62.032+/-0.006 χ^2/NDF: 1296302.8/77



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 359.021+/-86.502 χ^2/NDF:26.3/21

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -49.710+/-87.133 χ^2/NDF:25.7/20

Left: 156.141+/-61.388 χ^2/NDF: 63.0/42

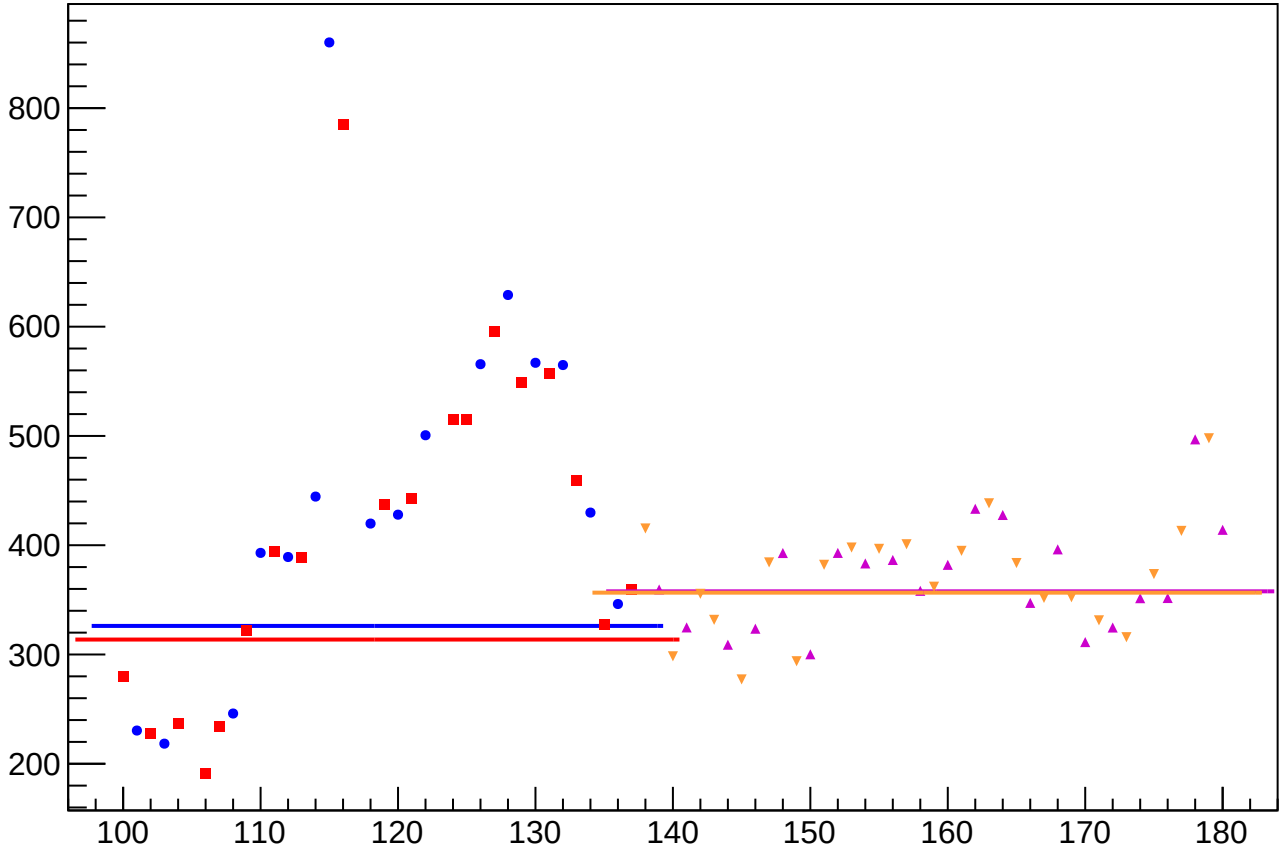
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -54.104+/-72.323 χ^2/NDF:38.9/36

Out: 162.597+/-70.716 χ^2/NDF:56.3/40

All: 56.680+/-50.562 χ^2/NDF: 99.8/77

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: 356.594+/-0.061 χ^2/NDF:661280.4/21

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 357.804+/-0.062 χ^2/NDF:507588.8/20

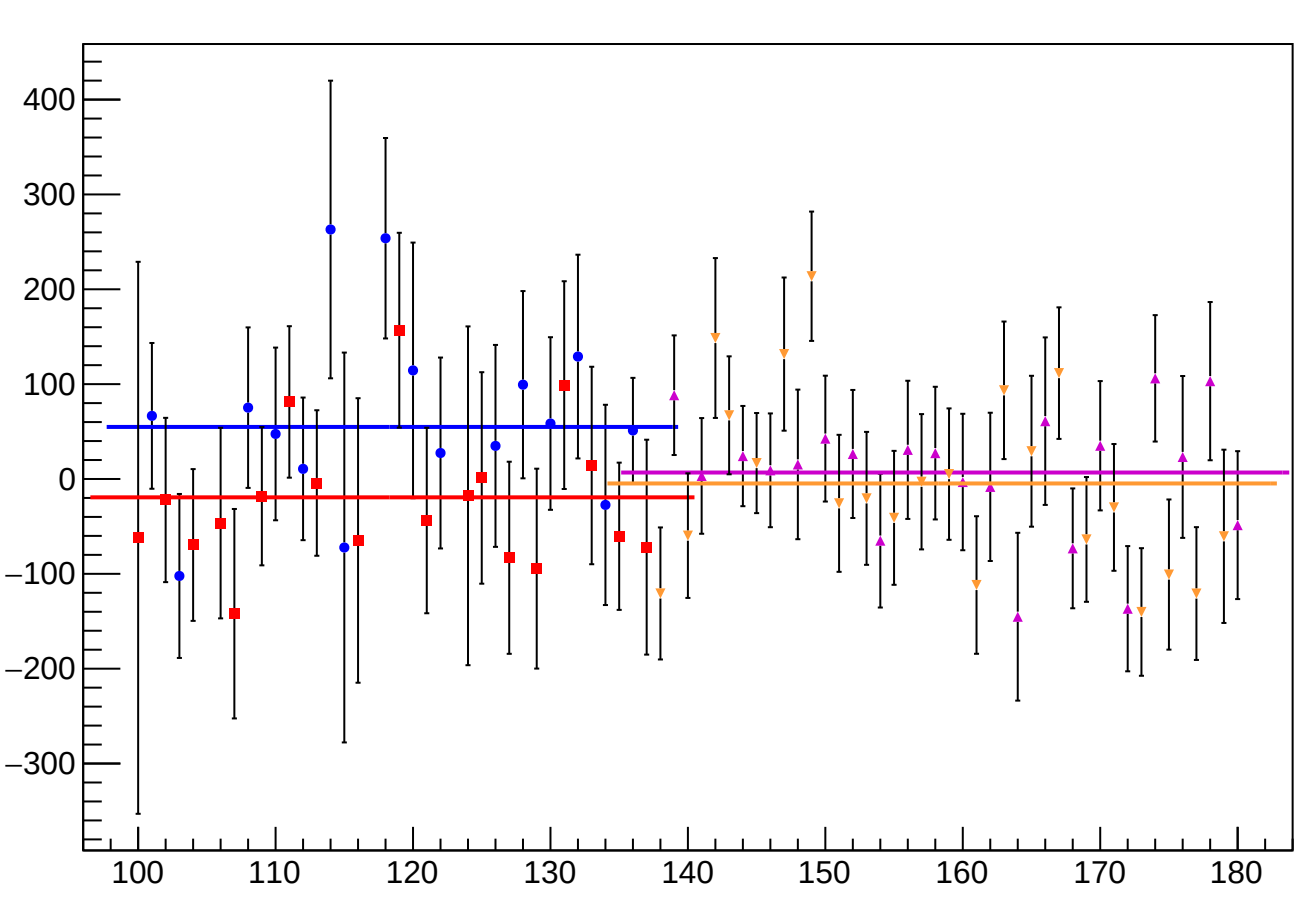
Left: 357.195+/-0.043 χ^2/NDF: 1169063.4/42

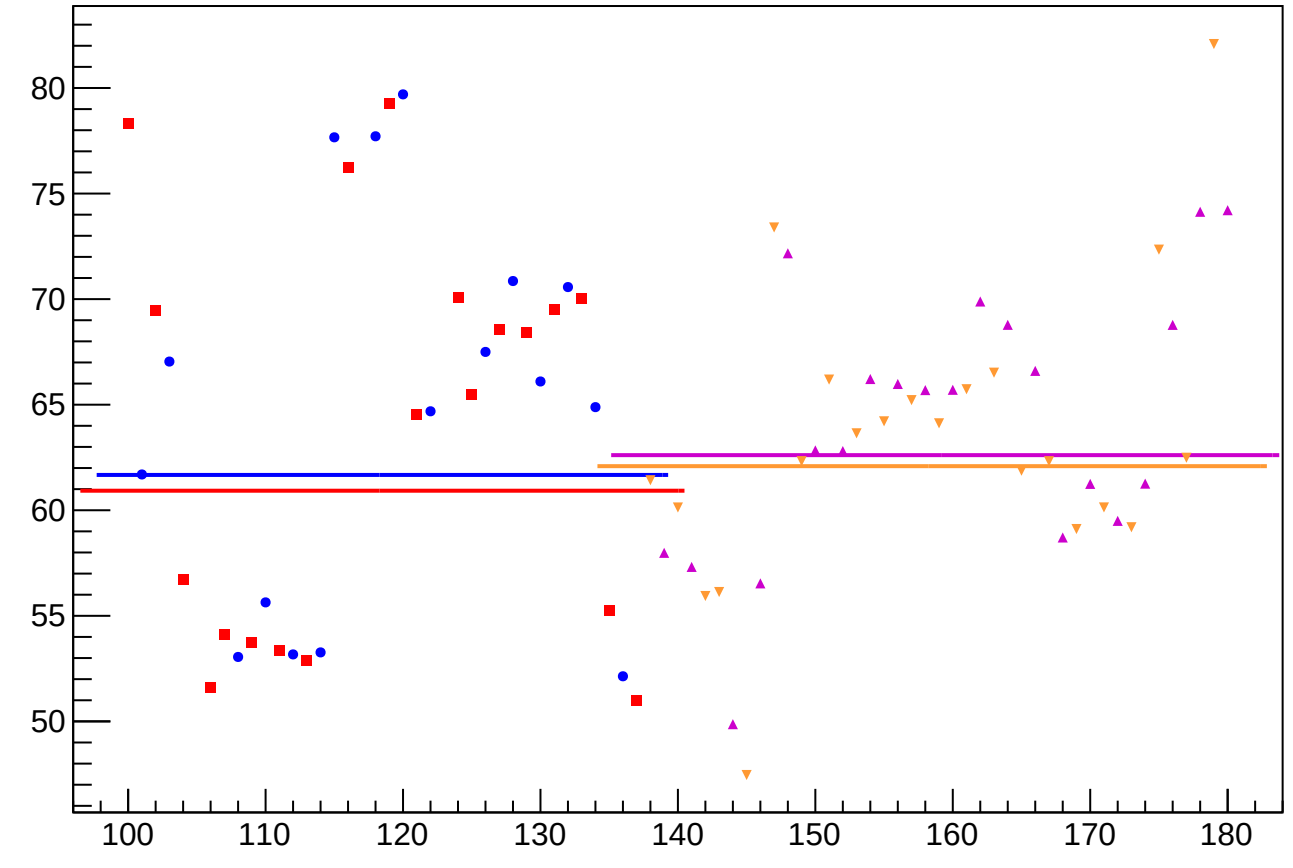
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 347.957+/-0.051 χ^2/NDF:2323702.9/36

Out: 342.358+/-0.050 χ^2/NDF:2611952.2/40

All: 345.095+/-0.036 χ^2/NDF: 4941783.0/77


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
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -4.720+/-14.954 χ²/NDF:38.4/21
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 6.808+/-15.185 χ²/NDF:17.4/20
Left: 0.956+/-10.655 χ²/NDF: 56.1/42
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.244+/-12.702 χ²/NDF:31.4/36
Out: -9.179+/-12.469 χ²/NDF:47.9/40
All: 5.751+/-8.898 χ²/NDF: 82.2/77



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

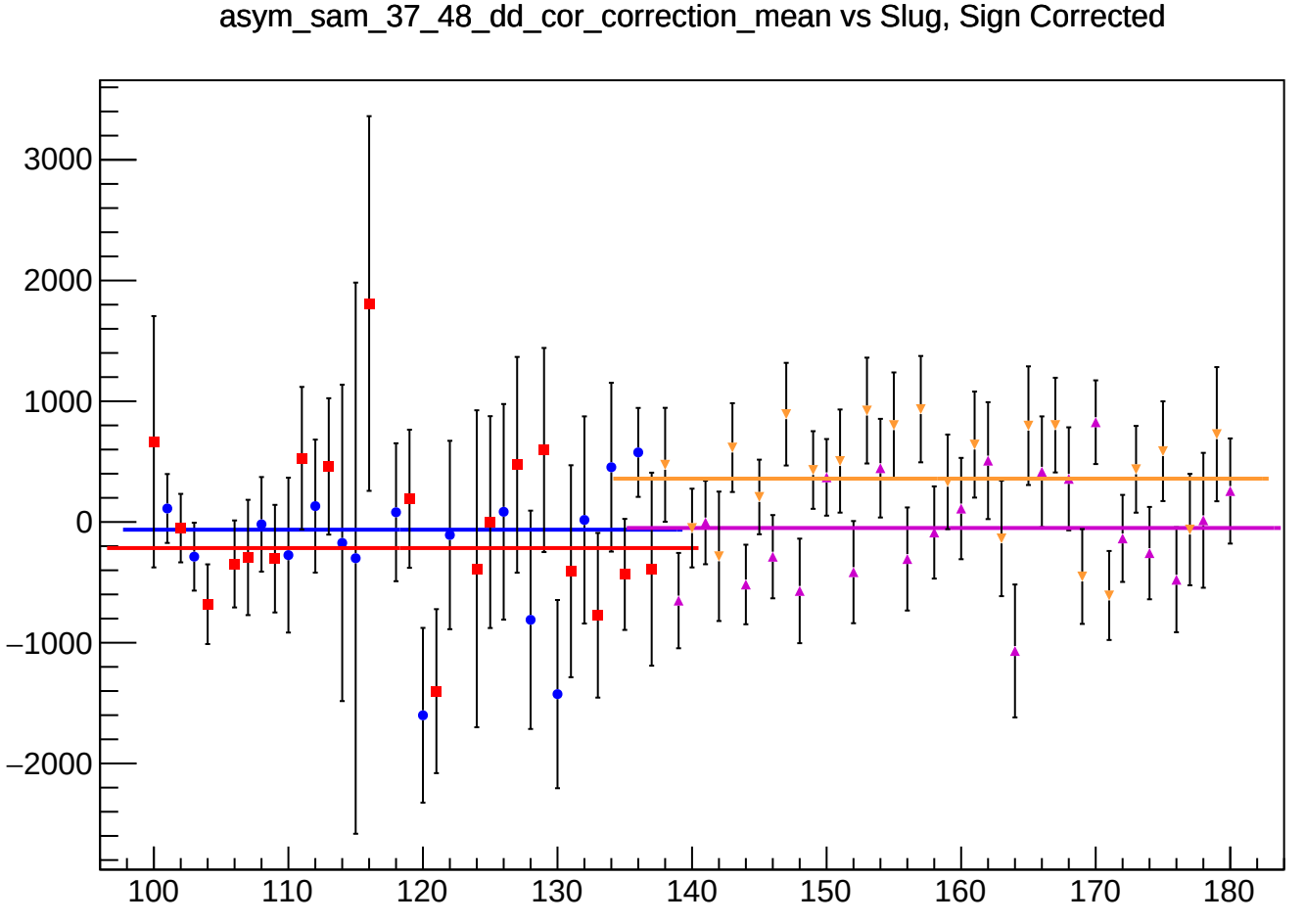
Left: 62.345+/-0.008 χ^2/NDF: 738344.5/42

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.329+/-0.009 χ^2/NDF:616346.7/36

Out: 61.734+/-0.009 χ^2/NDF:681459.0/40

All: 62.026+/-0.006 χ^2/NDF: 1300039.4/77



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 359.020+/-86.502 χ^2/NDF:26.3/21

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -49.708+/-87.133 χ^2/NDF:25.7/20

Left: 156.141+/-61.388 χ^2/NDF: 63.0/42

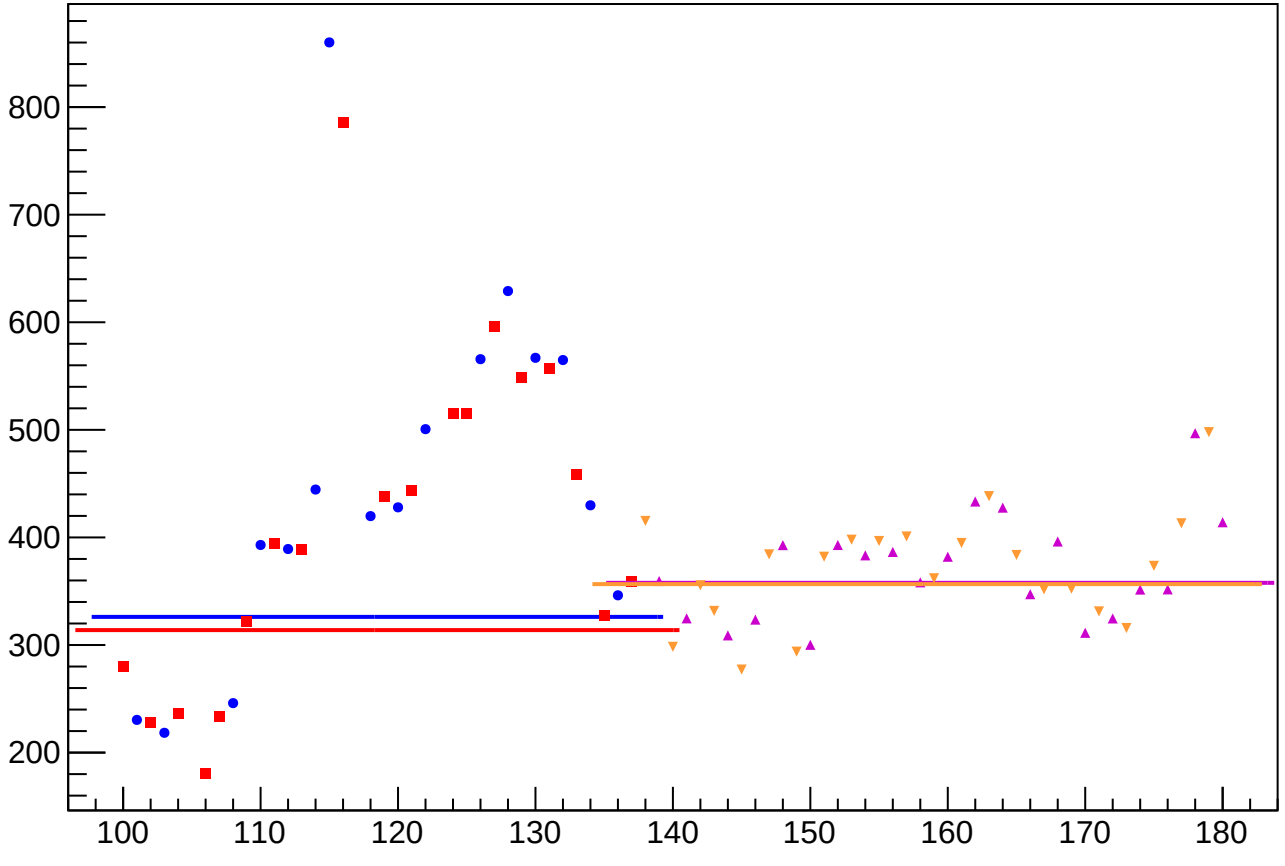
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -54.098+/-72.323 χ^2/NDF:38.9/36

Out: 169.779+/-70.849 χ^2/NDF:54.9/40

All: 60.144+/-50.611 χ^2/NDF: 98.7/77

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

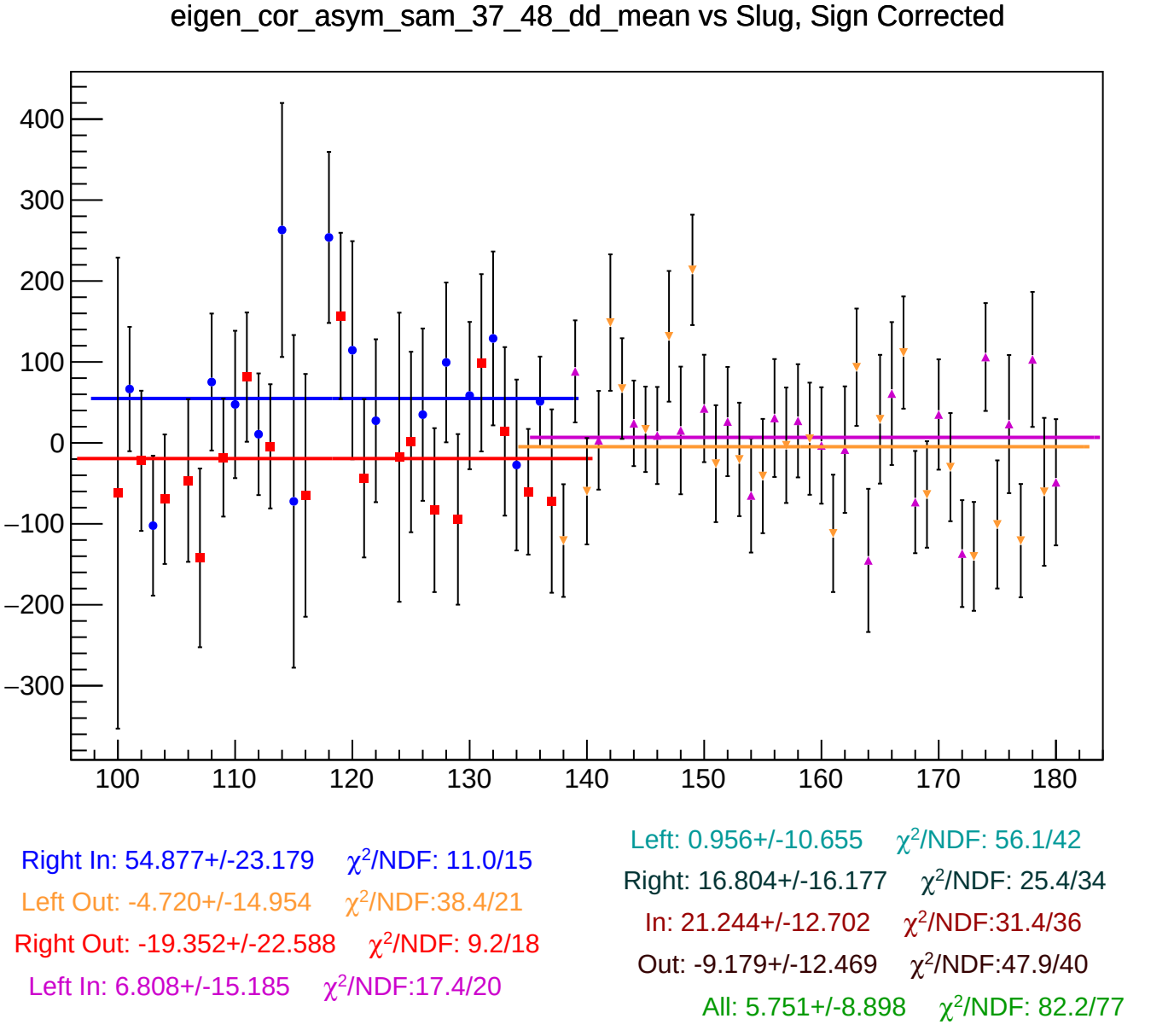
Left: 357.195+/-0.043 χ^2/NDF: 1169063.2/42

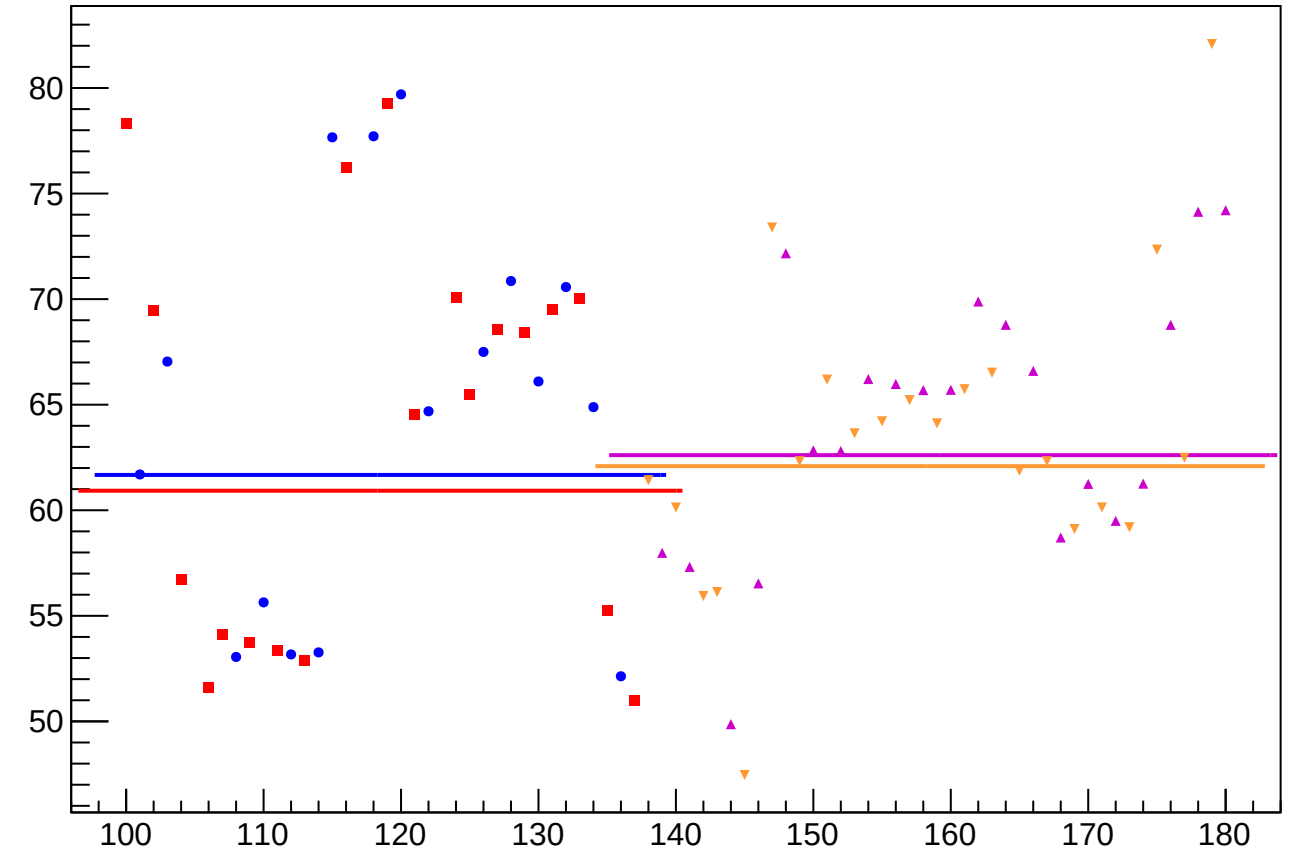
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 347.958+/-0.051 χ^2/NDF:2323629.2/36

Out: 342.528+/-0.050 χ^2/NDF:2627720.5/40

All: 345.187+/-0.036 χ^2/NDF: 4957102.1/77


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -4.720+/-14.954 χ²/NDF:38.4/21
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 6.808+/-15.185 χ²/NDF:17.4/20
Left: 0.956+/-10.655 χ²/NDF: 56.1/42
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.244+/-12.702 χ²/NDF:31.4/36
Out: -9.179+/-12.469 χ²/NDF:47.9/40
All: 5.751+/-8.898 χ²/NDF: 82.2/77



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.610+/-0.011 χ^2/NDF:346949.0/20

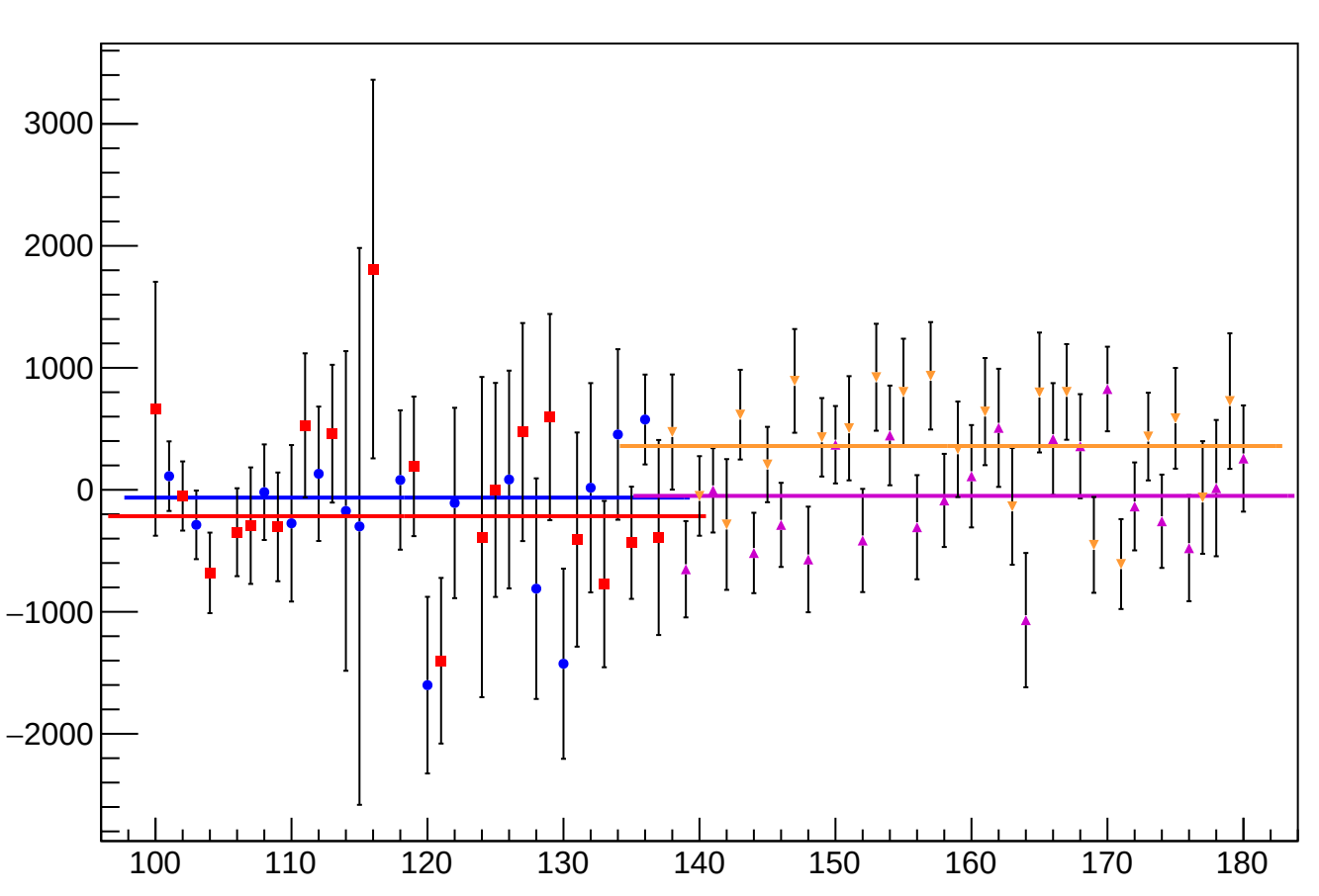
Left: 62.345+/-0.008 χ^2/NDF: 738344.5/42

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

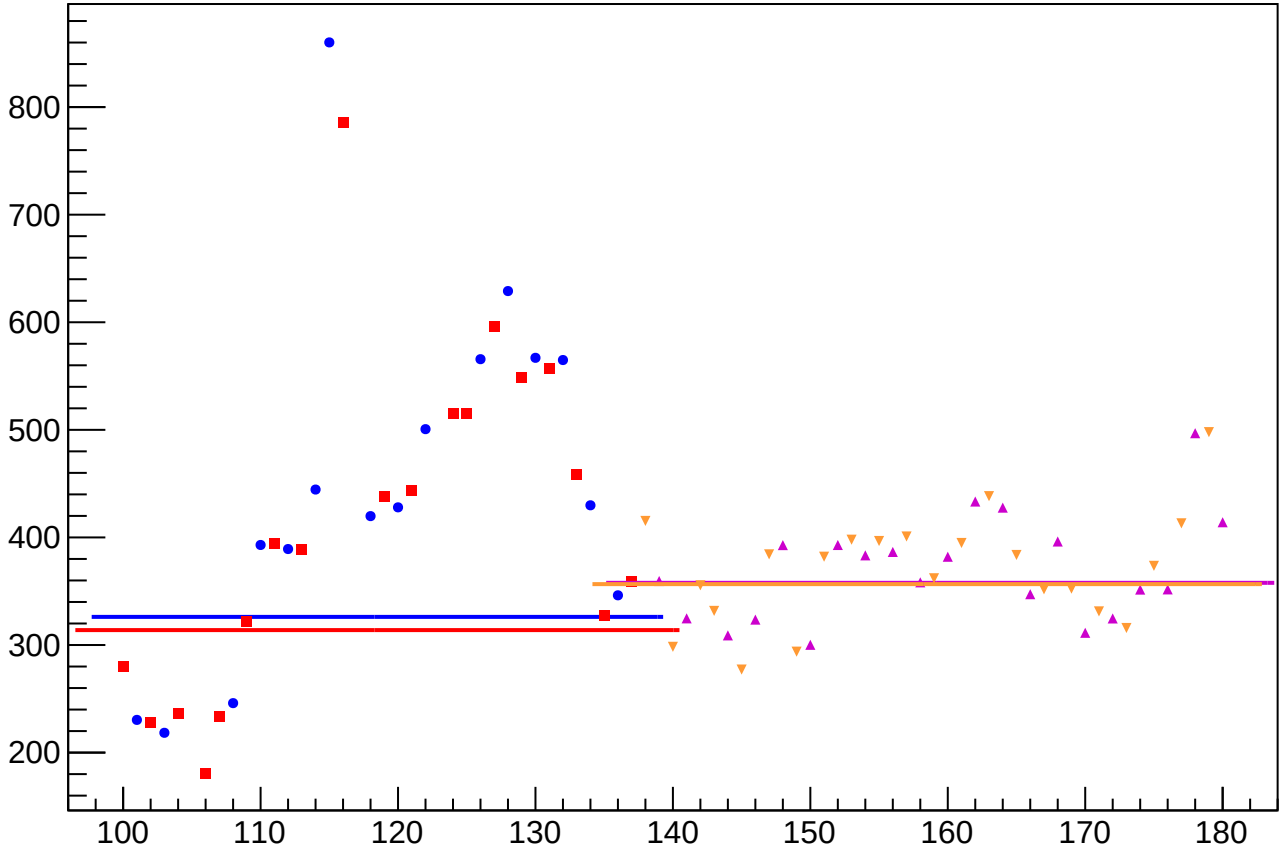
In: 62.329+/-0.009 χ^2/NDF:616346.7/36

Out: 61.734+/-0.009 χ^2/NDF:681459.0/40

All: 62.026+/-0.006 χ^2/NDF: 1300039.4/77


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 359.020+/-86.502 χ²/NDF:26.3/21
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -49.708+/-87.133 χ²/NDF:25.7/20
Left: 156.141+/-61.388 χ²/NDF: 63.0/42
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -54.098+/-72.323 χ²/NDF:38.9/36
Out: 169.779+/-70.849 χ²/NDF:54.9/40
All: 60.144+/-50.611 χ²/NDF: 98.7/77

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: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 357.804+/-0.062 χ^2/NDF:507591.4/20

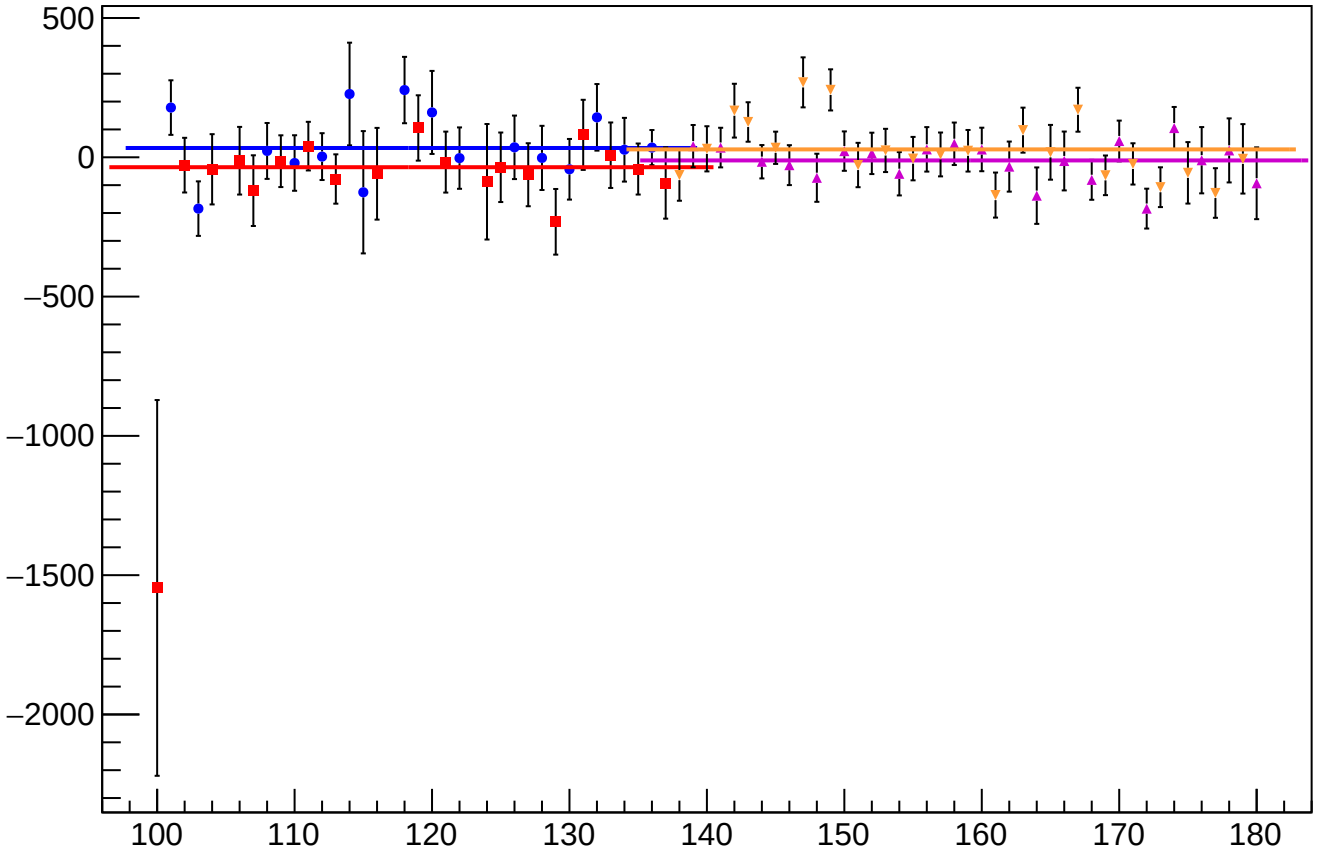
Left: 357.195+/-0.043 χ^2/NDF: 1169063.2/42

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 347.958+/-0.051 χ^2/NDF:2323629.2/36

Out: 342.528+/-0.050 χ^2/NDF:2627720.5/40

All: 345.187+/-0.036 χ^2/NDF: 4957102.1/77



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.362+/-17.075 χ^2/NDF:39.0/21

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -11.247+/-17.439 χ^2/NDF:15.5/20

Left: 8.976+/-12.200 χ^2/NDF: 57.1/42

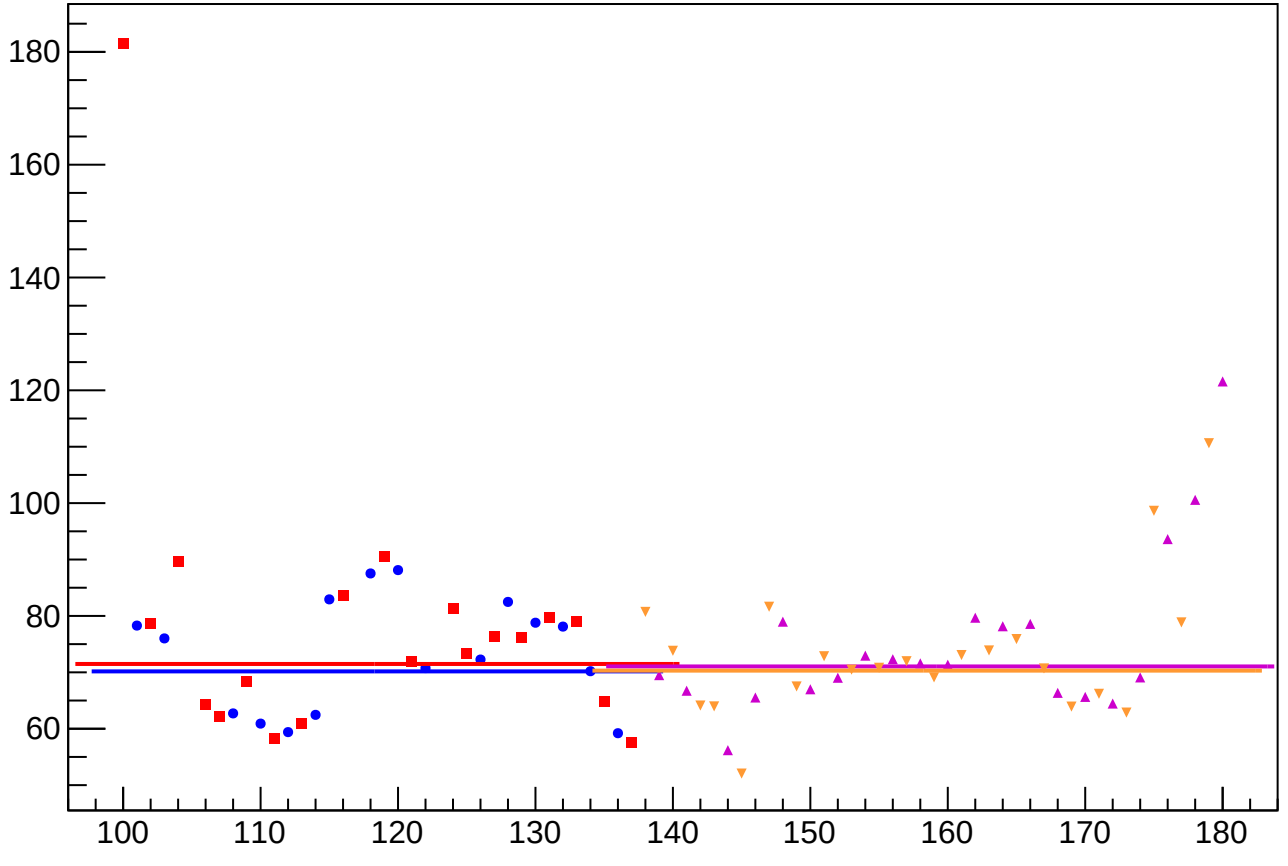
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 2.306+/-14.553 χ^2/NDF:32.0/36

Out: 9.641+/-14.359 χ^2/NDF:55.2/40

All: 6.023+/-10.221 χ^2/NDF: 87.3/77

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.303+/-0.012 χ^2/NDF:706786.5/21

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 71.044+/-0.012 χ^2/NDF:757526.1/20

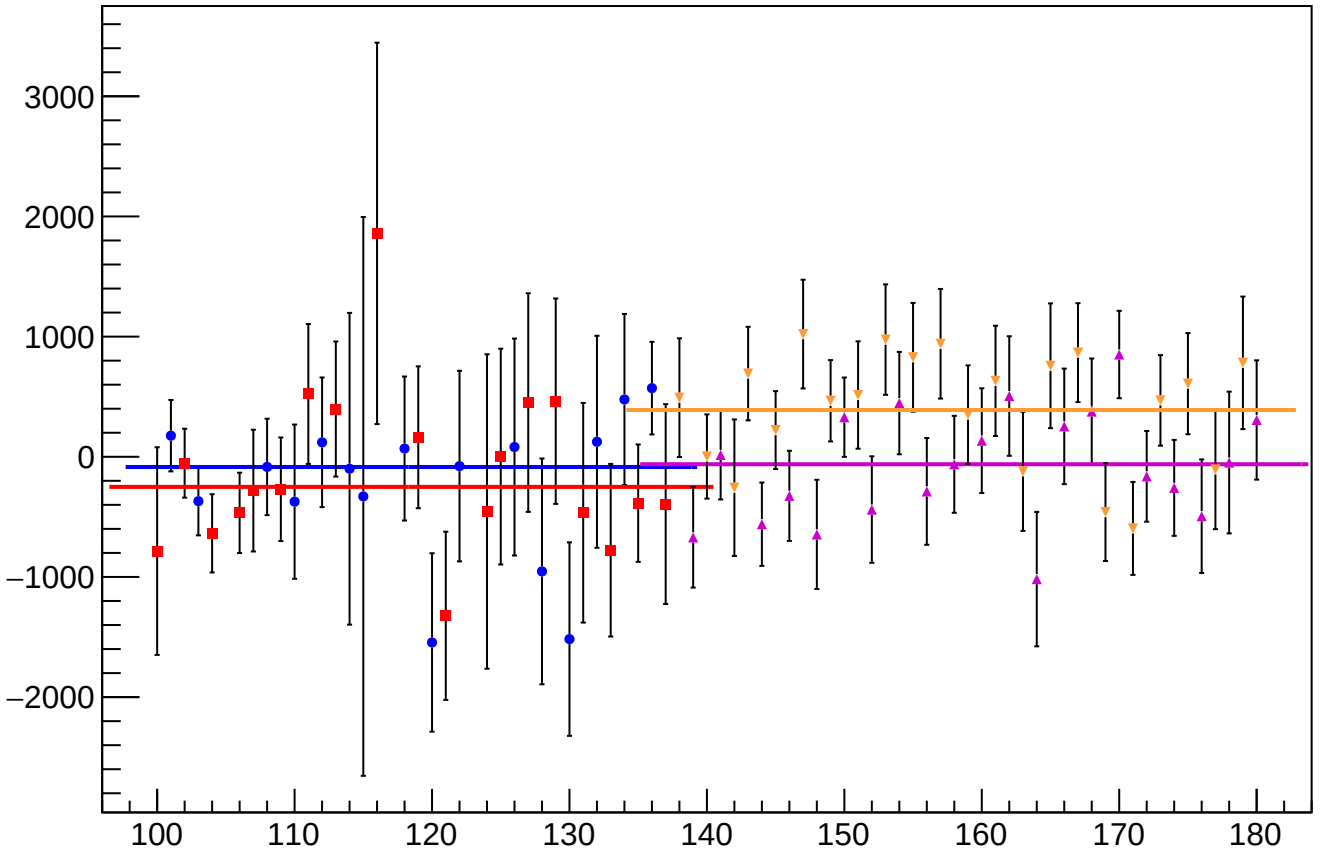
Left: 70.665+/-0.009 χ^2/NDF: 1466155.1/42

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 70.778+/-0.010 χ^2/NDF:1028309.1/36

Out: 70.648+/-0.010 χ^2/NDF:1035299.3/40

All: 70.712+/-0.007 χ^2/NDF: 2063688.3/77



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.629+/-90.673 χ^2/NDF:25.4/21

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -61.949+/-91.868 χ^2/NDF:24.0/20

Left: 166.795+/-64.534 χ^2/NDF: 61.7/42

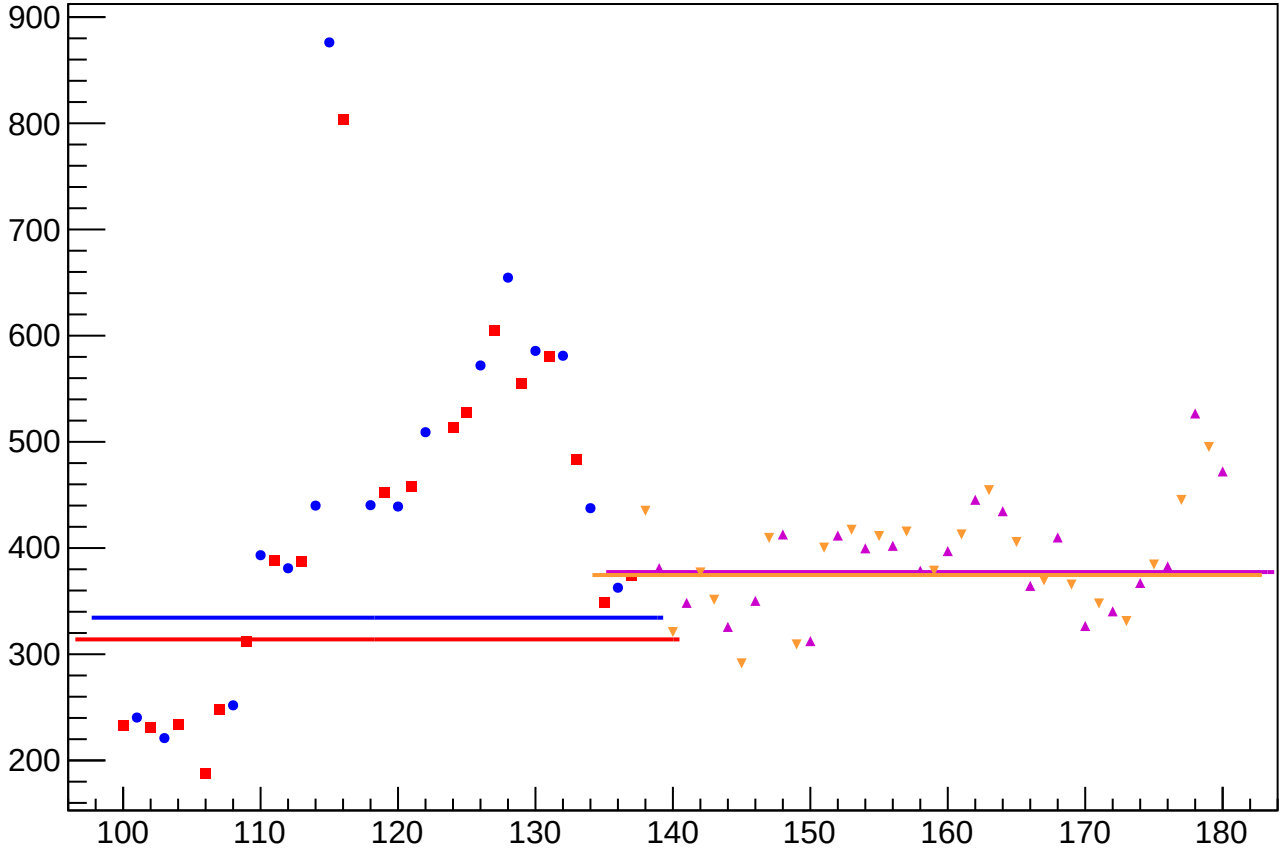
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -69.463+/-75.566 χ^2/NDF:37.8/36

Out: 164.979+/-73.048 χ^2/NDF:55.3/40

All: 51.729+/-52.520 χ^2/NDF: 98.1/77

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: 374.568+/-0.064 χ^2/NDF:603208.4/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 377.369+/-0.065 χ^2/NDF:516537.7/20

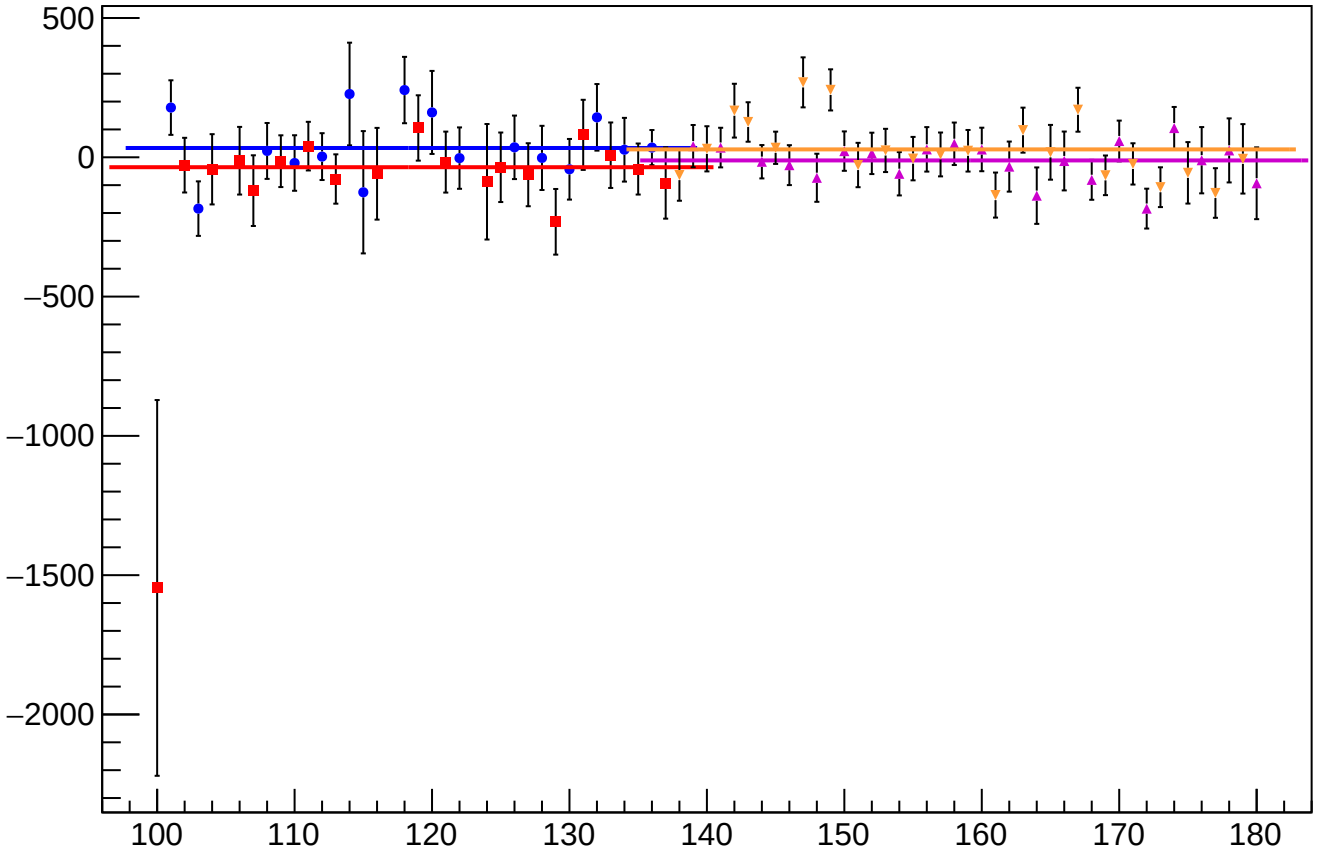
Left: 375.950+/-0.046 χ^2/NDF: 1120688.1/42

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 363.483+/-0.053 χ^2/NDF:2388450.5/36

Out: 353.300+/-0.052 χ^2/NDF:2821325.6/40

All: 358.219+/-0.037 χ^2/NDF: 5228549.7/77



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.361+/-17.075 χ^2/NDF:39.0/21

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -11.247+/-17.439 χ^2/NDF:15.5/20

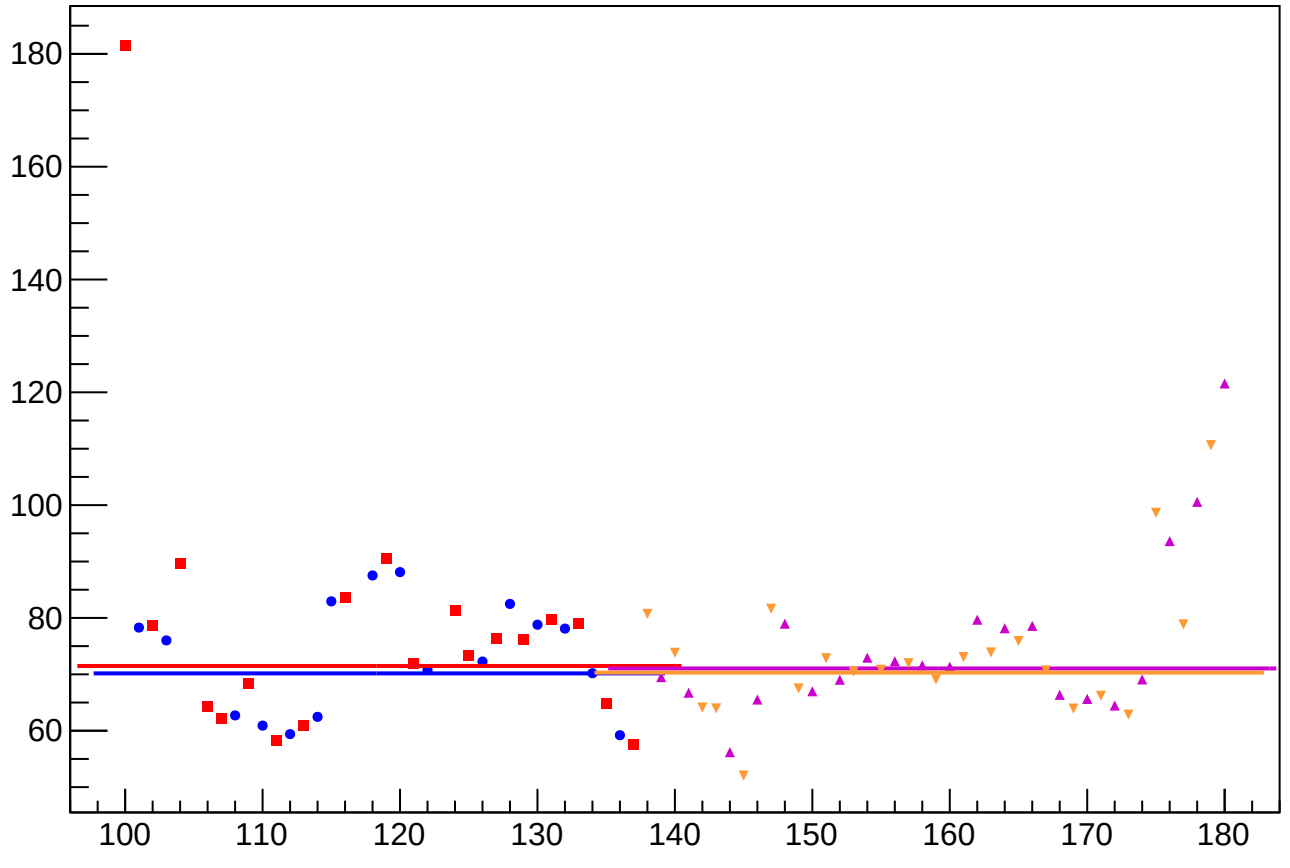
Left: 8.975+/-12.200 χ^2/NDF: 57.1/42

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 2.305+/-14.553 χ^2/NDF:32.0/36

Out: 9.640+/-14.359 χ^2/NDF:55.2/40

All: 6.022+/-10.221 χ^2/NDF: 87.3/77



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.303+/-0.012 χ^2/NDF:706793.5/21

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 71.044+/-0.012 χ^2/NDF:757513.9/20

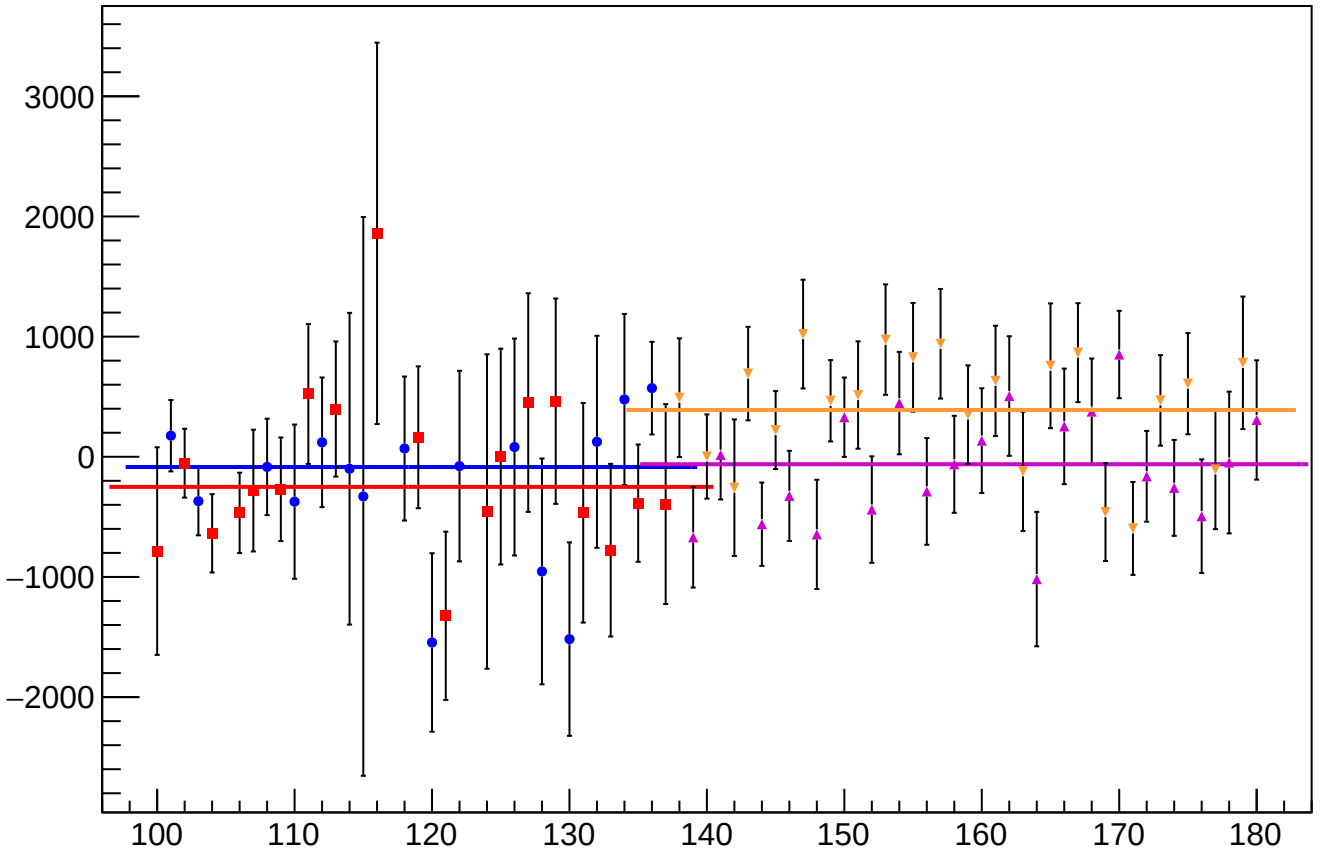
Left: 70.665+/-0.009 χ^2/NDF: 1466149.9/42

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 70.778+/-0.010 χ^2/NDF:1028299.5/36

Out: 70.648+/-0.010 χ^2/NDF:1035313.4/40

All: 70.712+/-0.007 χ^2/NDF: 2063692.8/77



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.628+/-90.673 χ^2/NDF:25.4/21

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -61.948+/-91.868 χ^2/NDF:24.0/20

Left: 166.795+/-64.534 χ^2/NDF: 61.7/42

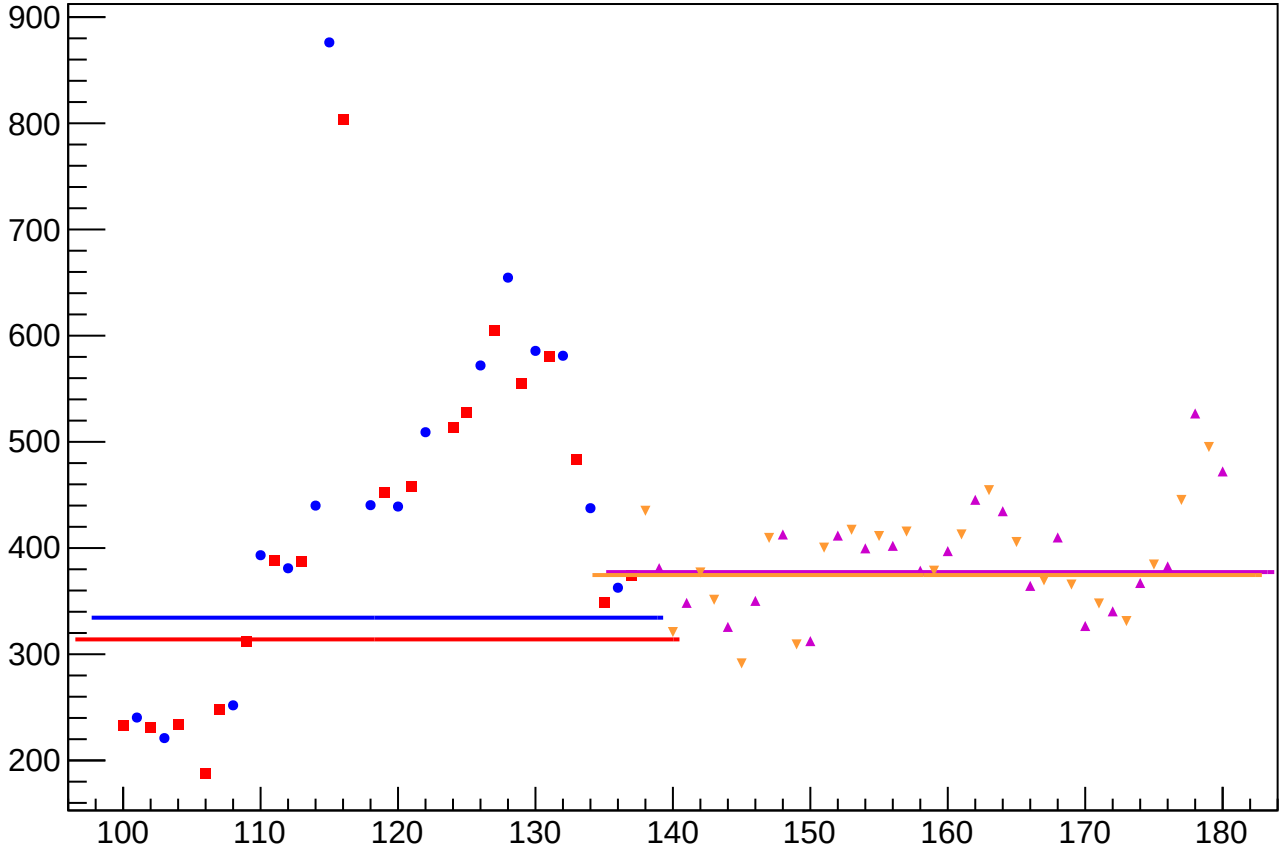
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -69.463+/-75.566 χ^2/NDF:37.8/36

Out: 164.979+/-73.048 χ^2/NDF:55.3/40

All: 51.729+/-52.520 χ^2/NDF: 98.1/77

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: 374.568+/-0.064 χ^2/NDF:603208.5/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 377.369+/-0.065 χ^2/NDF:516532.9/20

Left: 375.950+/-0.046 χ^2/NDF: 1120683.4/42

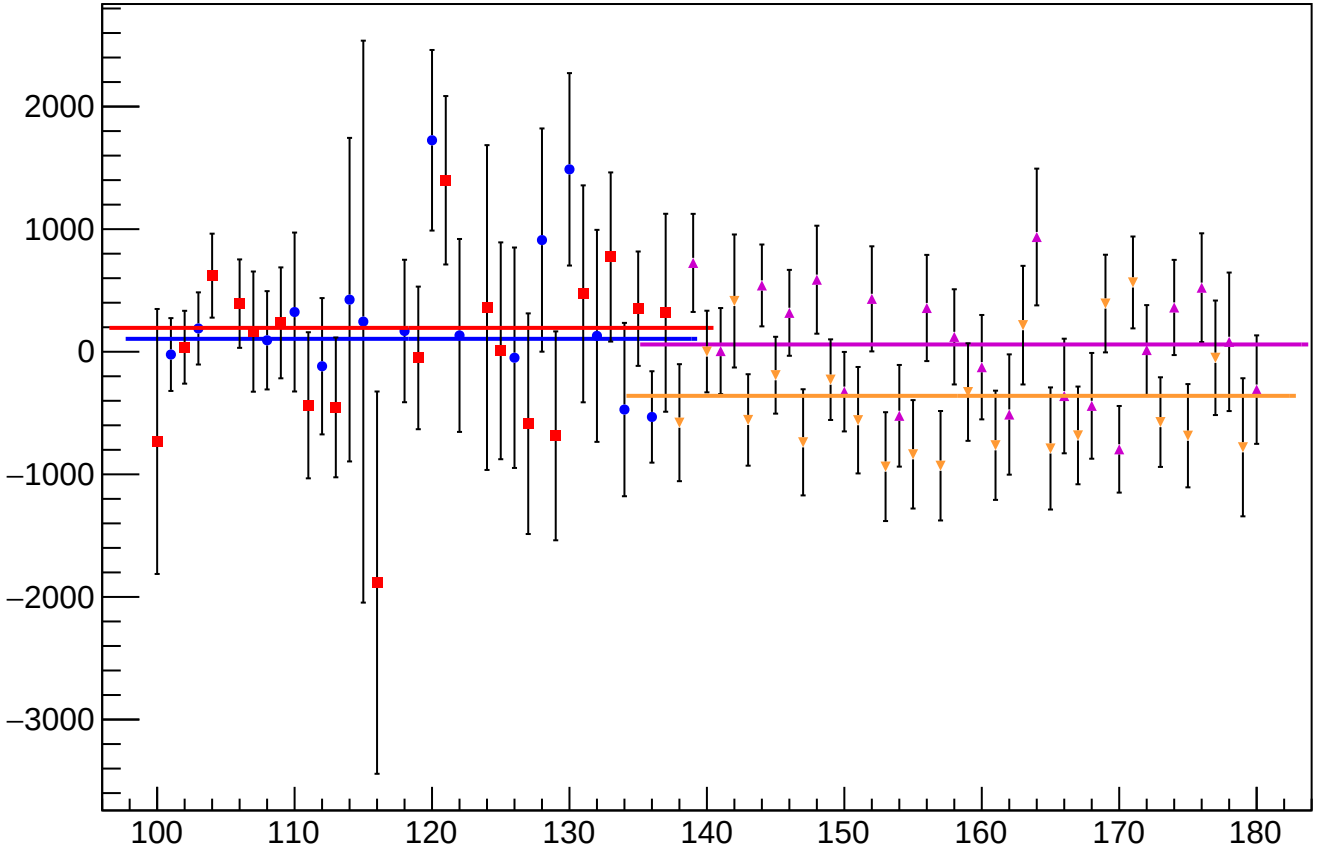
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 363.483+/-0.053 χ^2/NDF:2388441.5/36

Out: 353.300+/-0.052 χ^2/NDF:2821320.8/40

All: 358.219+/-0.037 χ^2/NDF: 5228536.3/77

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -359.610+/-87.872 χ^2/NDF:24.9/21

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 59.508+/-88.520 χ^2/NDF:25.9/20

Left: -151.591+/-62.363 χ^2/NDF: 62.1/42

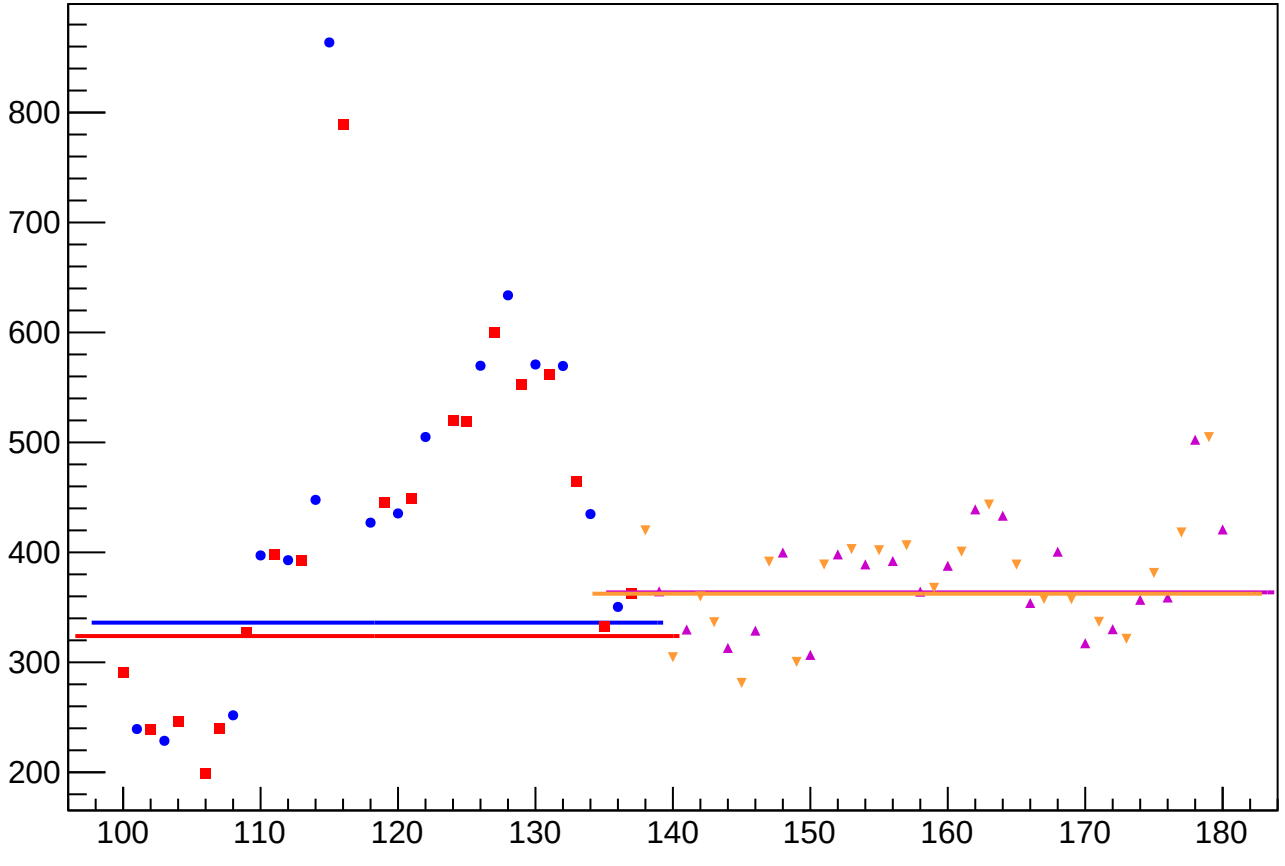
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 73.586+/-73.698 χ^2/NDF:39.0/36

Out: -178.611+/-72.113 χ^2/NDF:51.0/40

All: -55.255+/-51.543 χ^2/NDF: 95.9/77

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 362.410+/-0.062 χ^2/NDF:645162.3/21

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 363.619+/-0.063 χ^2/NDF:494909.9/20

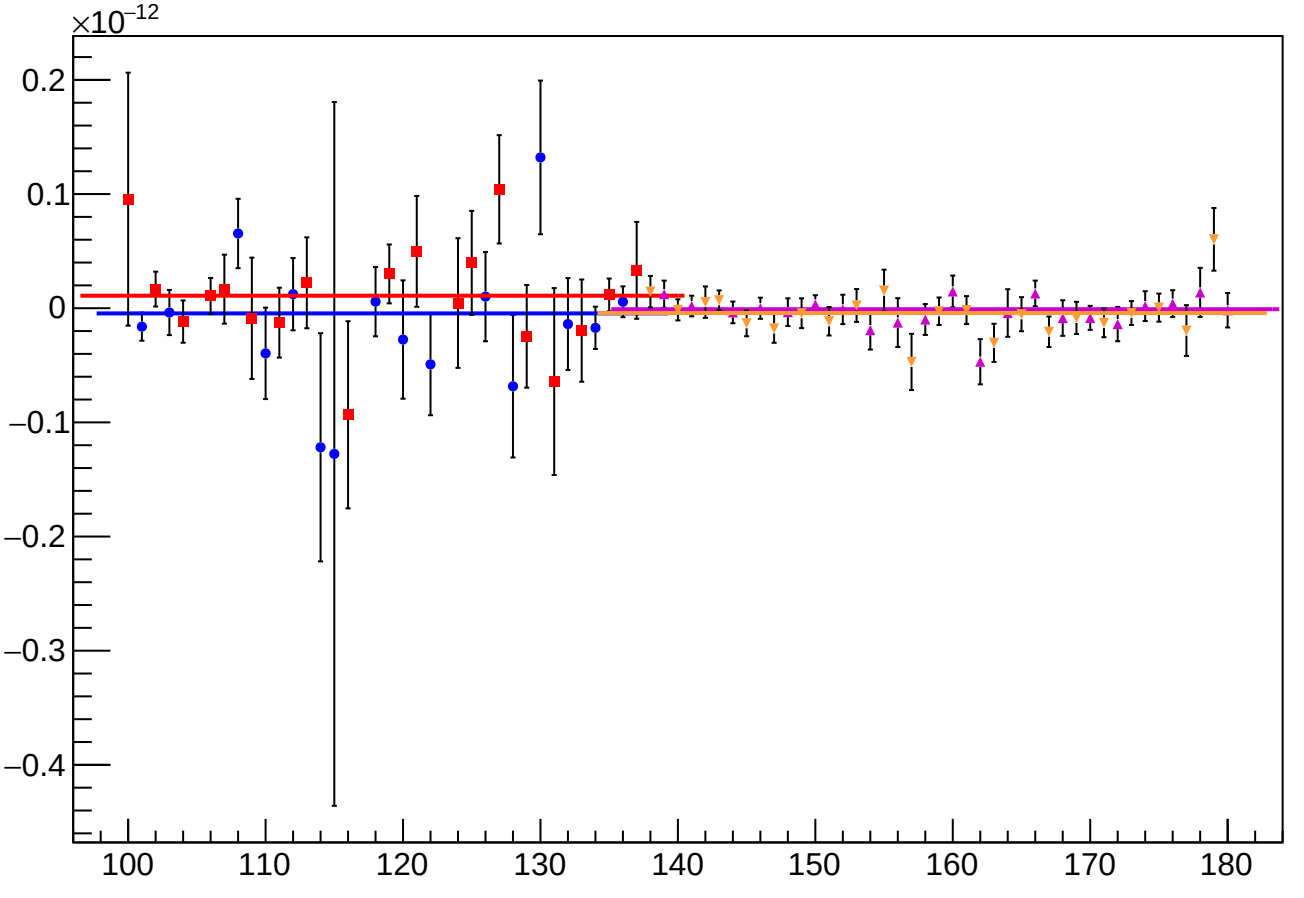
Left: 363.010+/-0.044 χ^2/NDF: 1140260.0/42

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 355.172+/-0.052 χ^2/NDF:2173249.2/36

Out: 349.831+/-0.051 χ^2/NDF:2436106.0/40

All: 352.443+/-0.036 χ^2/NDF: 4614722.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/20

Left: -0.000+/-0.000 χ^2/NDF: 36.1/42

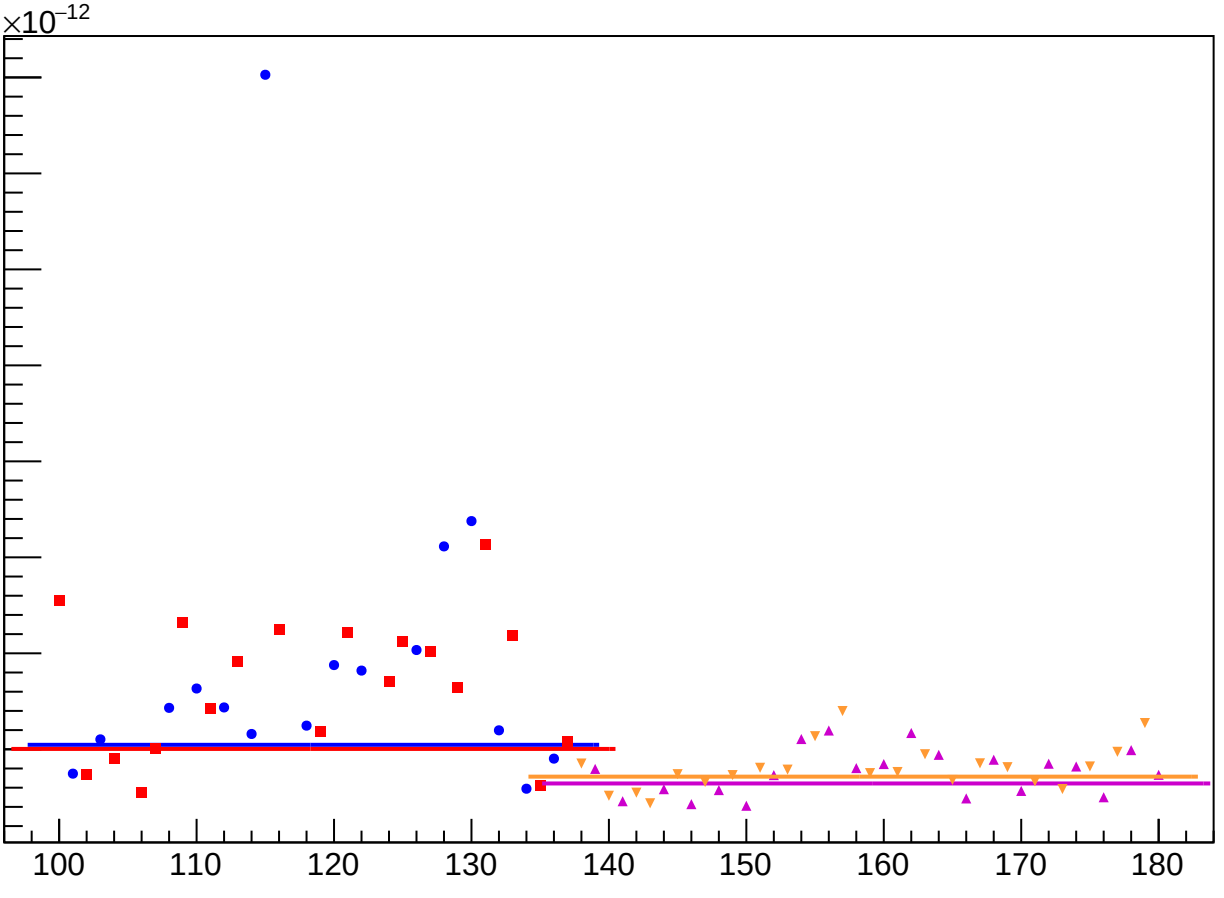
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.8/36

Out: -0.000+/-0.000 χ^2/NDF:38.4/40

All: -0.000+/-0.000 χ^2/NDF: 69.2/77

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:866111.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1211375.0/20

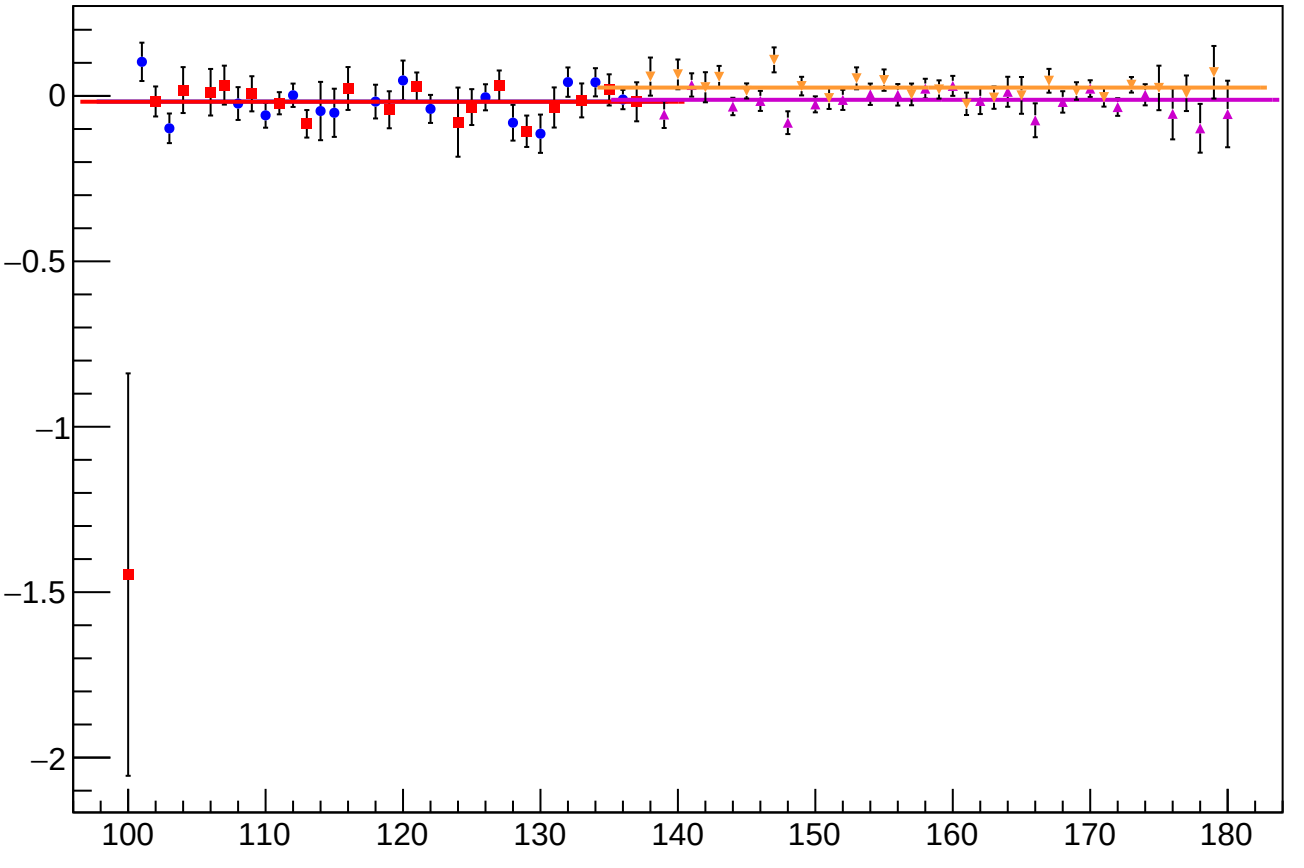
Left: 0.000+/-0.000 χ^2/NDF: 2144650.3/42

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3058840.4/36

Out: 0.000+/-0.000 χ^2/NDF:2623010.7/40

All: 0.000+/-0.000 χ^2/NDF: 5732039.1/77



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.007 χ^2/NDF:17.8/20

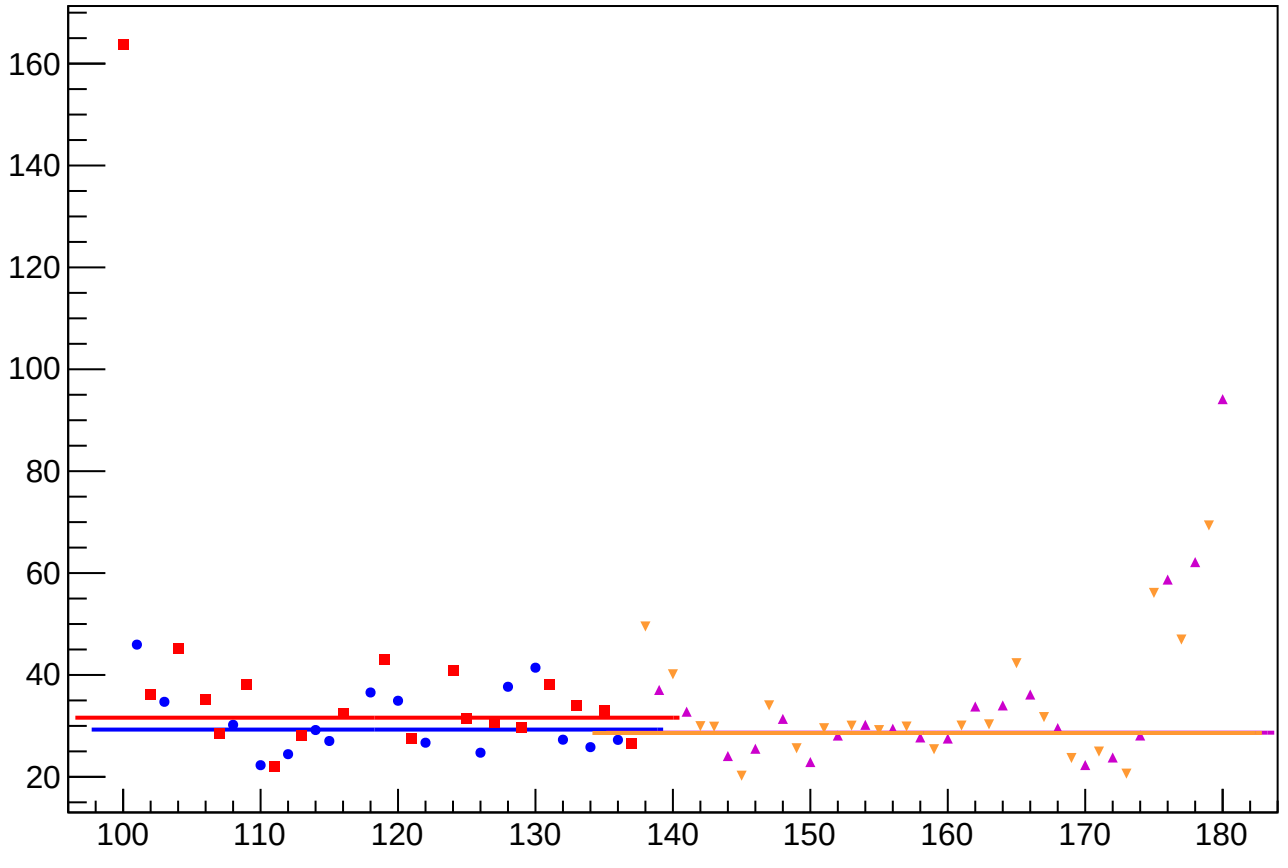
Left: 0.007+/-0.005 χ^2/NDF: 45.6/42

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.8/36

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.5/77



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337328.8/21

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.670+/-0.005 χ^2/NDF:2191478.7/20

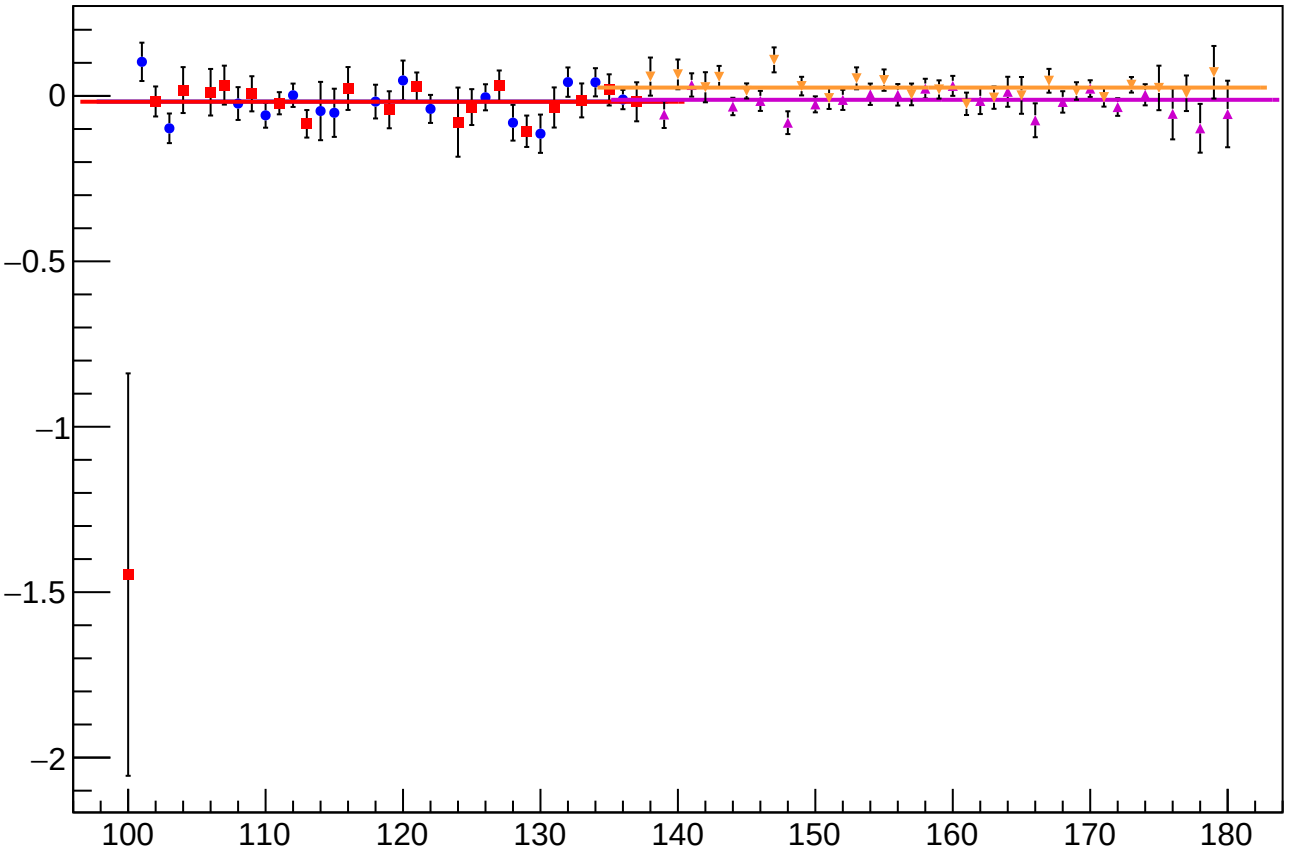
Left: 28.640+/-0.004 χ^2/NDF: 4528876.4/42

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.850+/-0.004 χ^2/NDF:2756183.5/36

Out: 29.399+/-0.004 χ^2/NDF:3000351.8/40

All: 29.123+/-0.003 χ^2/NDF: 5764436.4/77



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.007 χ^2/NDF:17.8/20

Left: 0.007+/-0.005 χ^2/NDF: 45.6/42

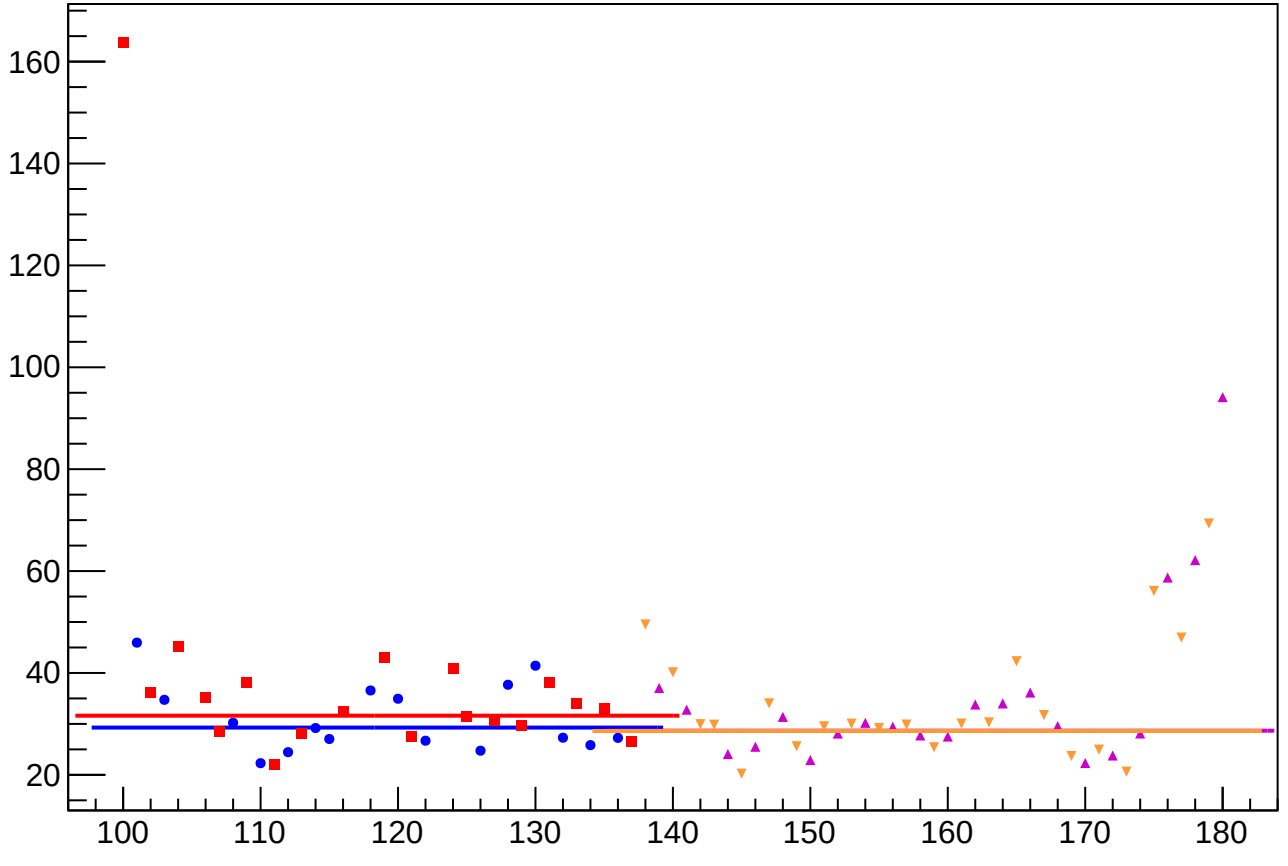
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.8/36

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.5/77

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: 28.610+/-0.005 χ^2/NDF:2337328.8/21

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.670+/-0.005 χ^2/NDF:2191478.7/20

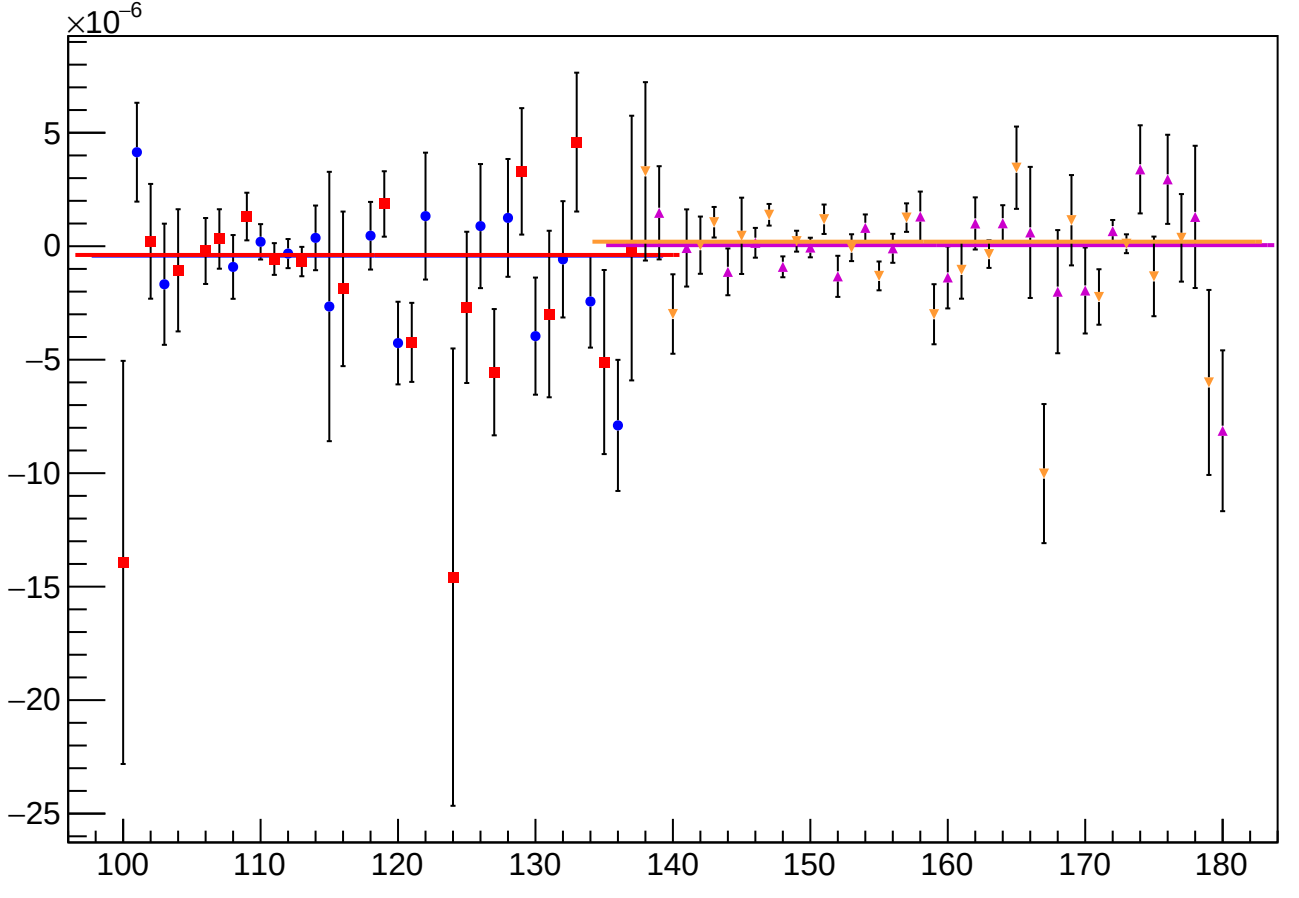
Left: 28.640+/-0.004 χ^2/NDF: 4528876.4/42

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.850+/-0.004 χ^2/NDF:2756183.5/36

Out: 29.399+/-0.004 χ^2/NDF:3000351.8/40

All: 29.123+/-0.003 χ^2/NDF: 5764436.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:28.7/20

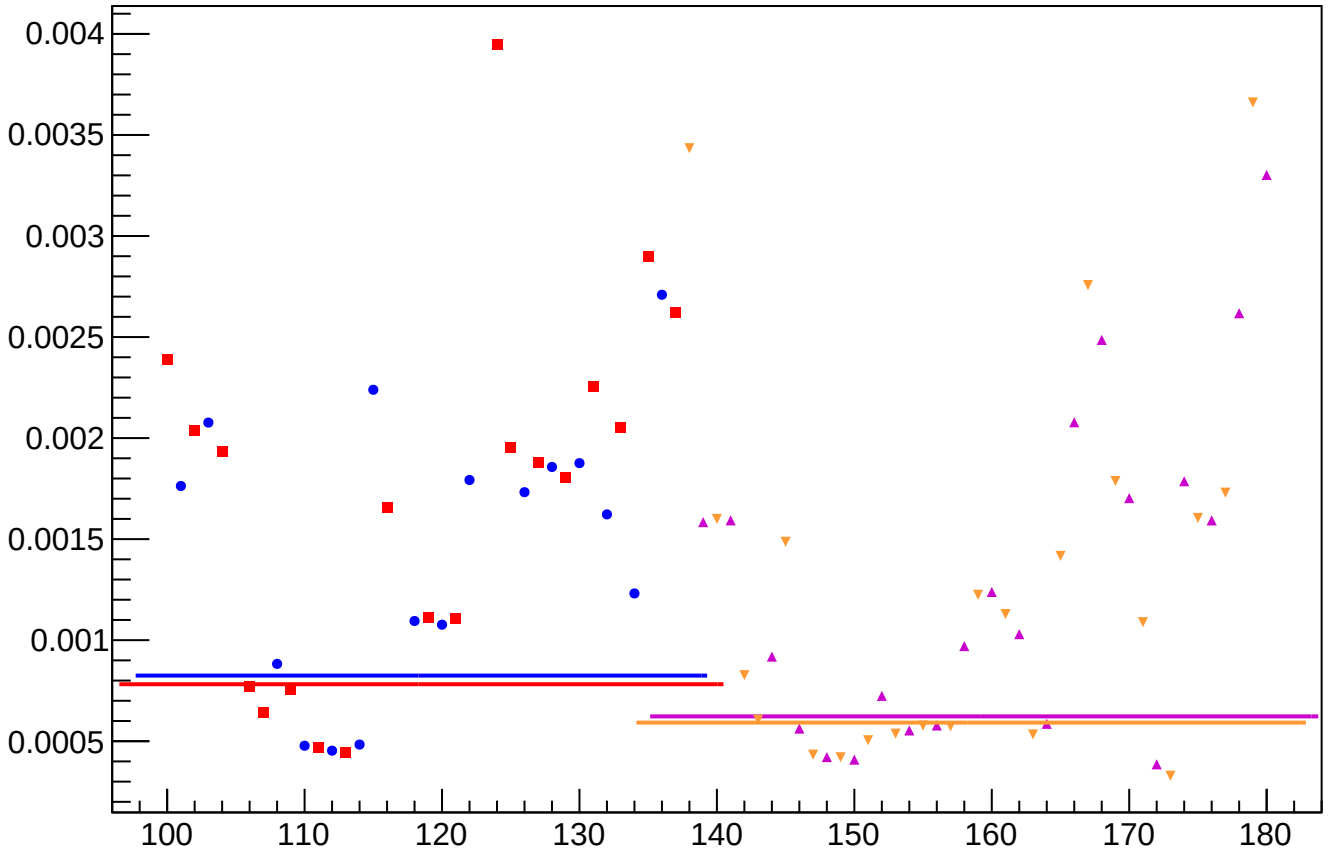
Left: 0.000+/-0.000 χ^2/NDF: 81.2/42

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:51.2/36

Out: 0.000+/-0.000 χ^2/NDF:79.7/40

All: 0.000+/-0.000 χ^2/NDF: 131.2/77



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9497438.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:8802183.2/20

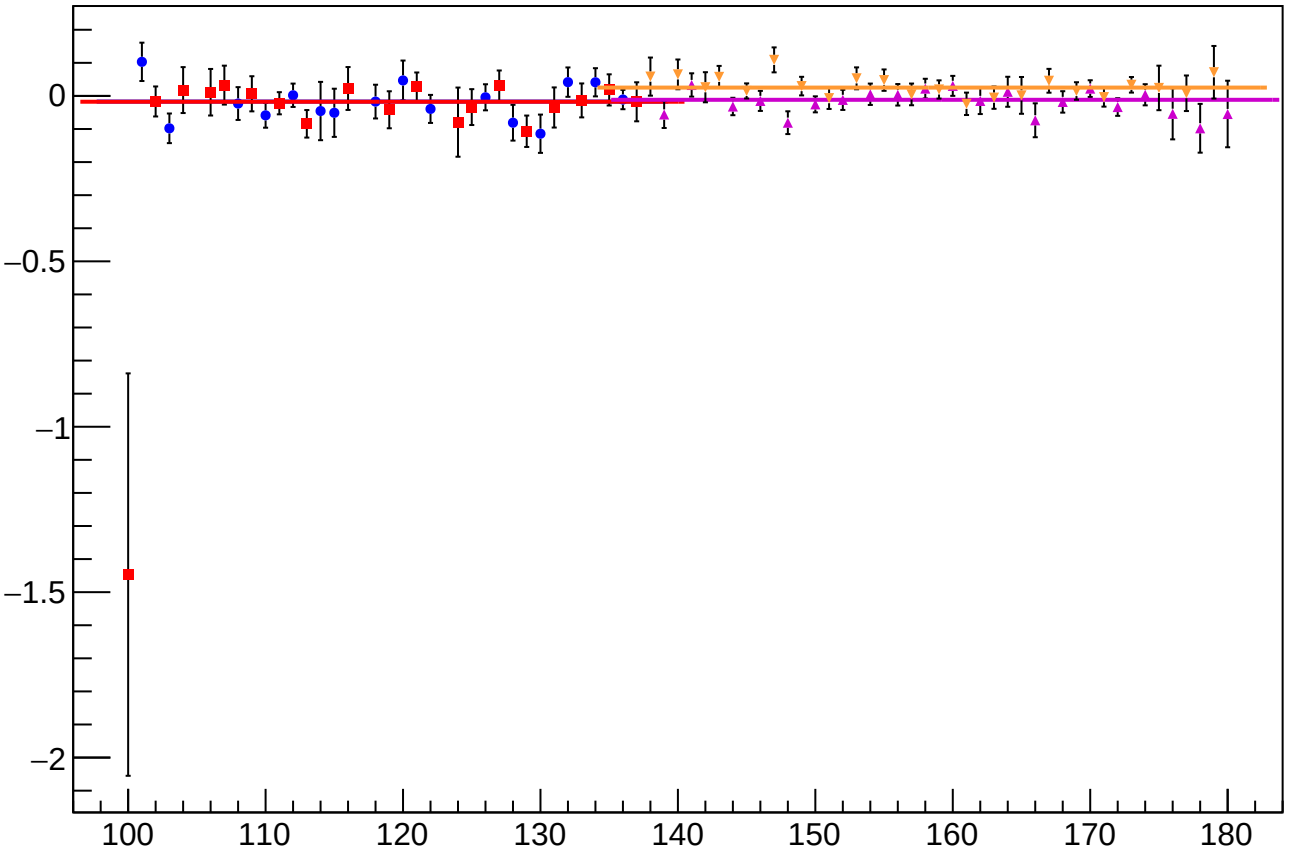
Left: 0.001+/-0.000 χ^2/NDF: 18329802.1/42

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:13727532.0/36

Out: 0.001+/-0.000 χ^2/NDF:14615608.5/40

All: 0.001+/-0.000 χ^2/NDF: 28389391.7/77



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.007 χ^2/NDF:17.8/20

Left: 0.007+/-0.005 χ^2/NDF: 45.6/42

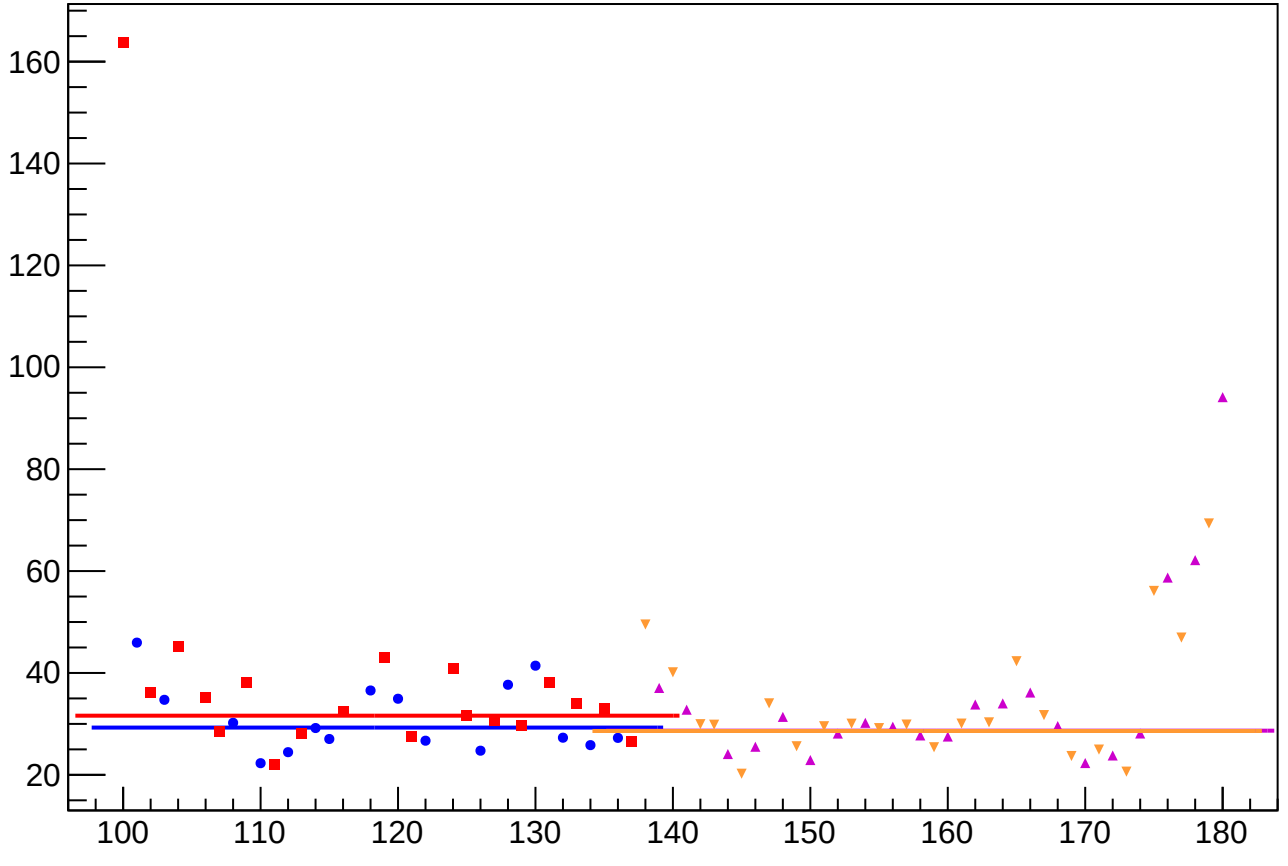
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.8/36

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.5/77

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: 28.610+/-0.005 χ^2/NDF:2337385.2/21

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.670+/-0.005 χ^2/NDF:2191435.8/20

Left: 28.639+/-0.004 χ^2/NDF: 4528890.0/42

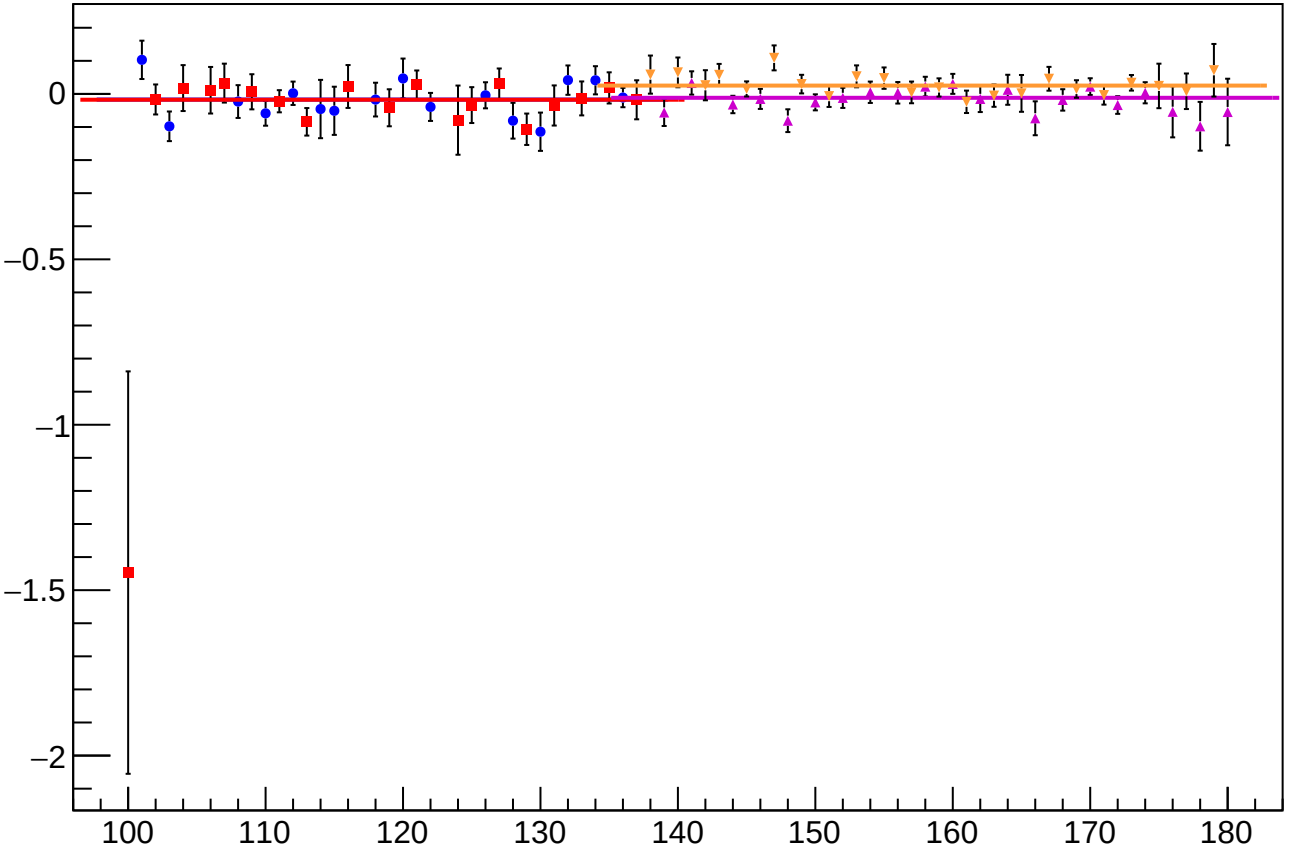
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.850+/-0.004 χ^2/NDF:2756144.0/36

Out: 29.399+/-0.004 χ^2/NDF:3000433.3/40

All: 29.123+/-0.003 χ^2/NDF: 5764477.9/77

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.012+/-0.007 χ^2/NDF:17.8/20

Left: 0.007+/-0.005 χ^2/NDF: 45.6/42

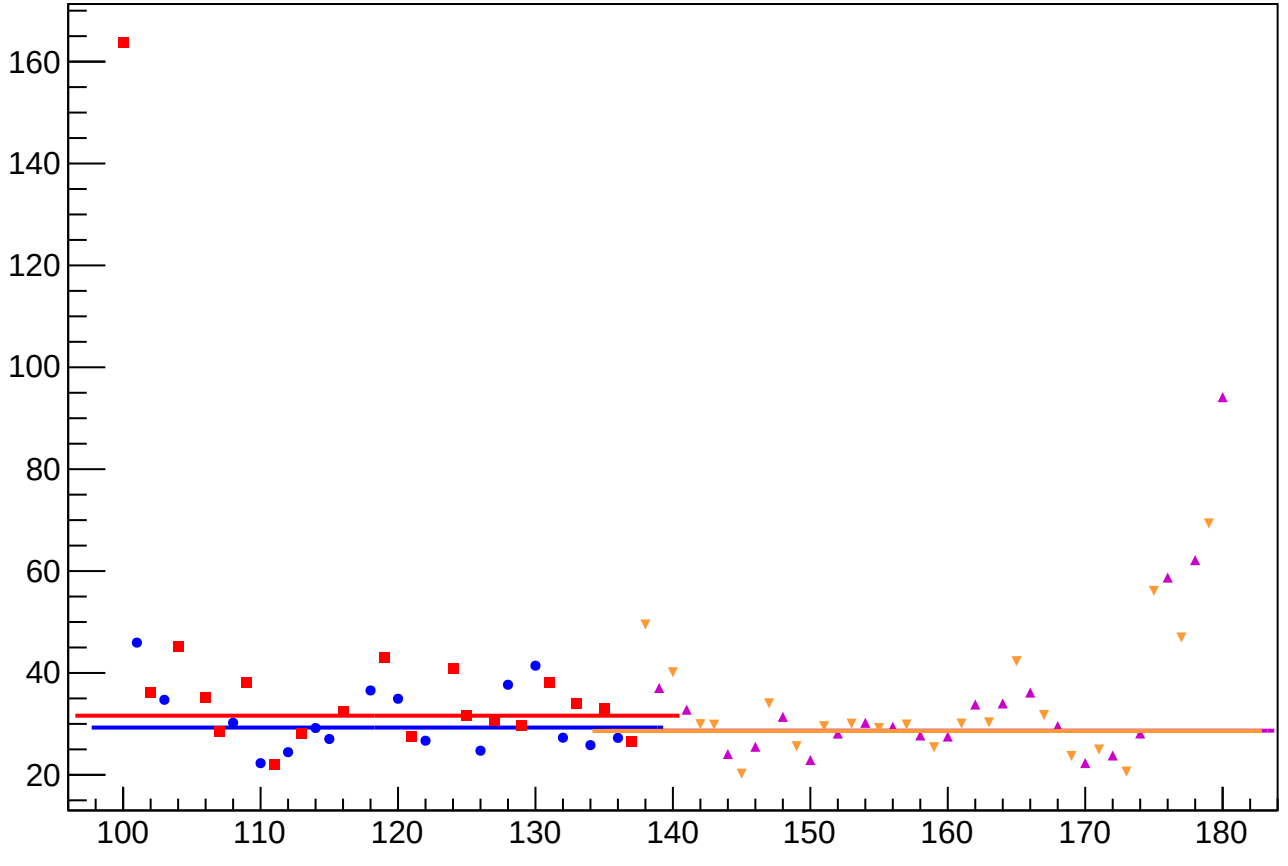
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.8/36

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.5/77

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: 28.610+/-0.005 χ^2/NDF:2337385.2/21

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.670+/-0.005 χ^2/NDF:2191435.8/20

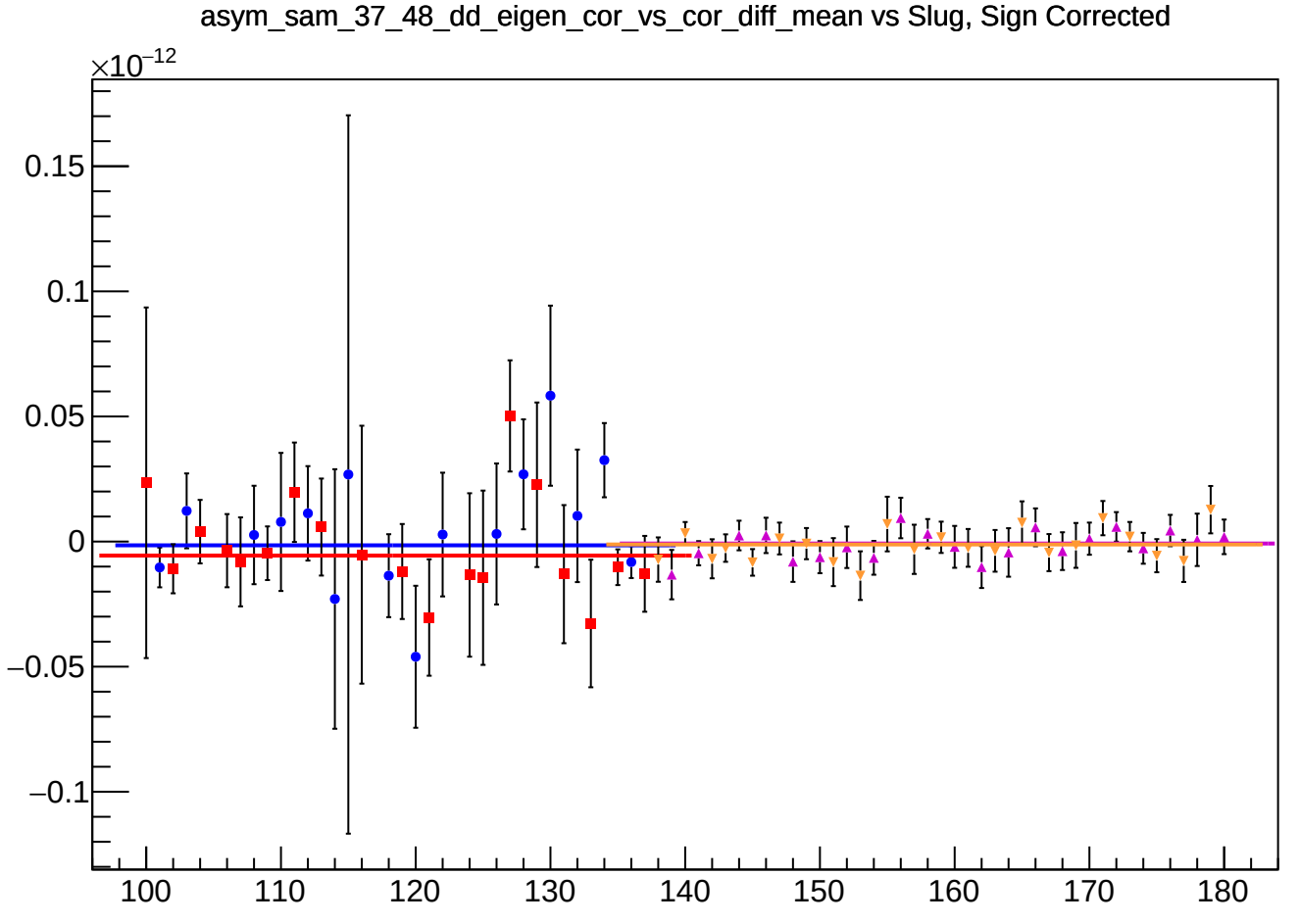
Left: 28.639+/-0.004 χ^2/NDF: 4528890.0/42

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.850+/-0.004 χ^2/NDF:2756144.0/36

Out: 29.399+/-0.004 χ^2/NDF:3000433.3/40

All: 29.123+/-0.003 χ^2/NDF: 5764477.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/20

Left: -0.000+/-0.000 χ^2/NDF: 25.9/42

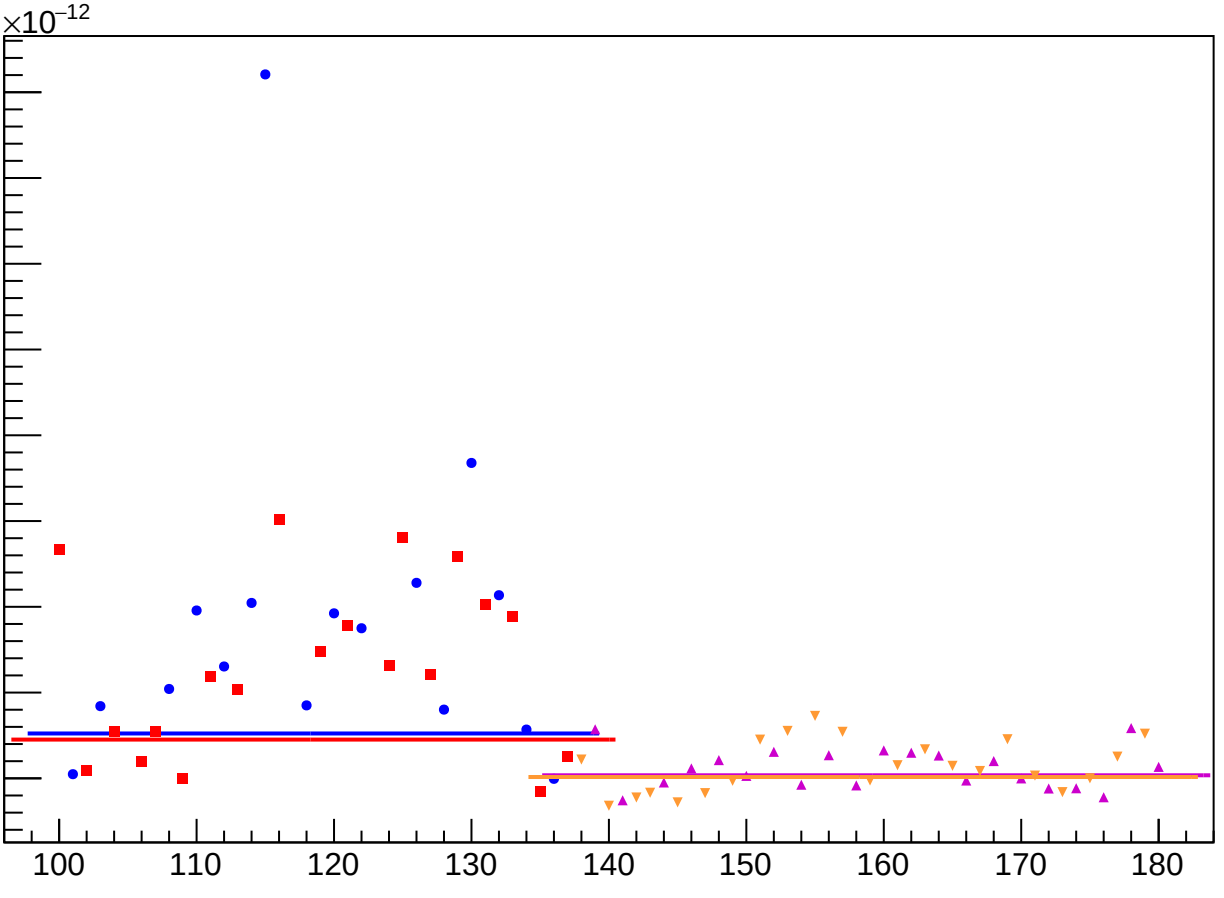
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:28.6/36

Out: -0.000+/-0.000 χ^2/NDF:28.8/40

All: -0.000+/-0.000 χ^2/NDF: 57.7/77

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:1678681.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:962245.5/20

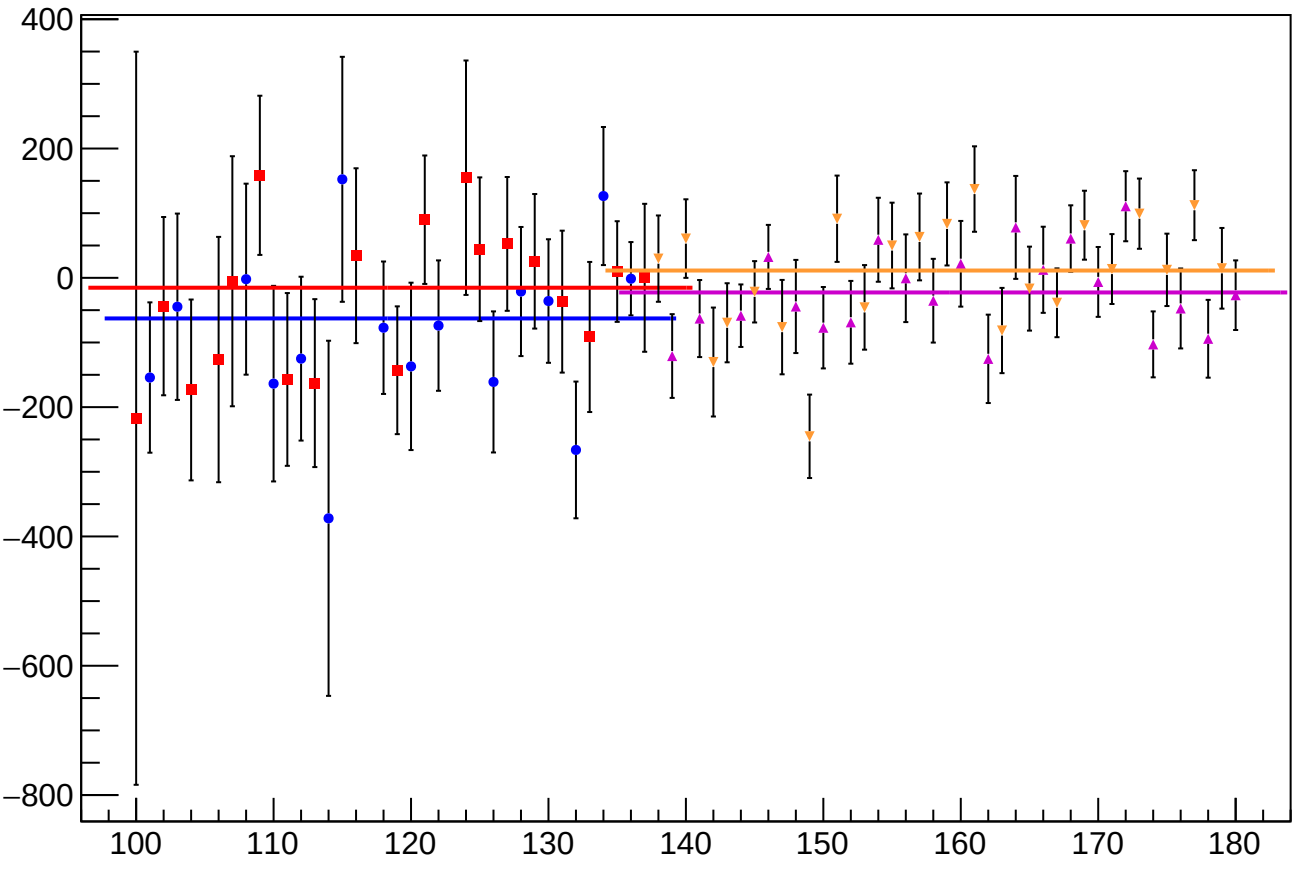
Left: 0.000+/-0.000 χ^2/NDF: 2645331.6/42

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3685517.4/36

Out: 0.000+/-0.000 χ^2/NDF:4287387.0/40

All: 0.000+/-0.000 χ^2/NDF: 7979669.5/77



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -22.617+/-13.029 χ^2/NDF:25.1/20

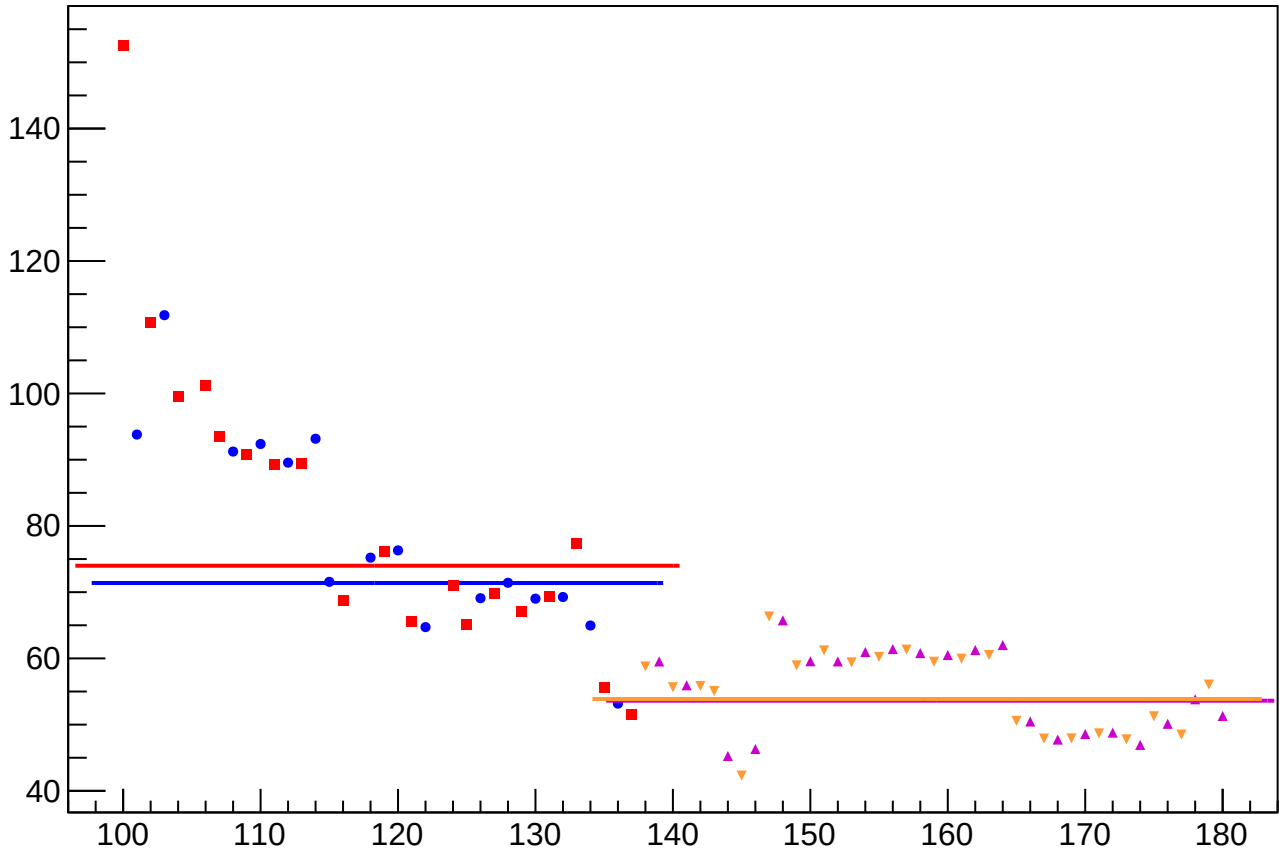
Left: -5.605+/-9.199 χ^2/NDF: 70.4/42

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -30.110+/-11.751 χ^2/NDF:40.3/36

Out: 6.533+/-11.767 χ^2/NDF:54.2/40

All: -11.813+/-8.315 χ^2/NDF: 99.3/77



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

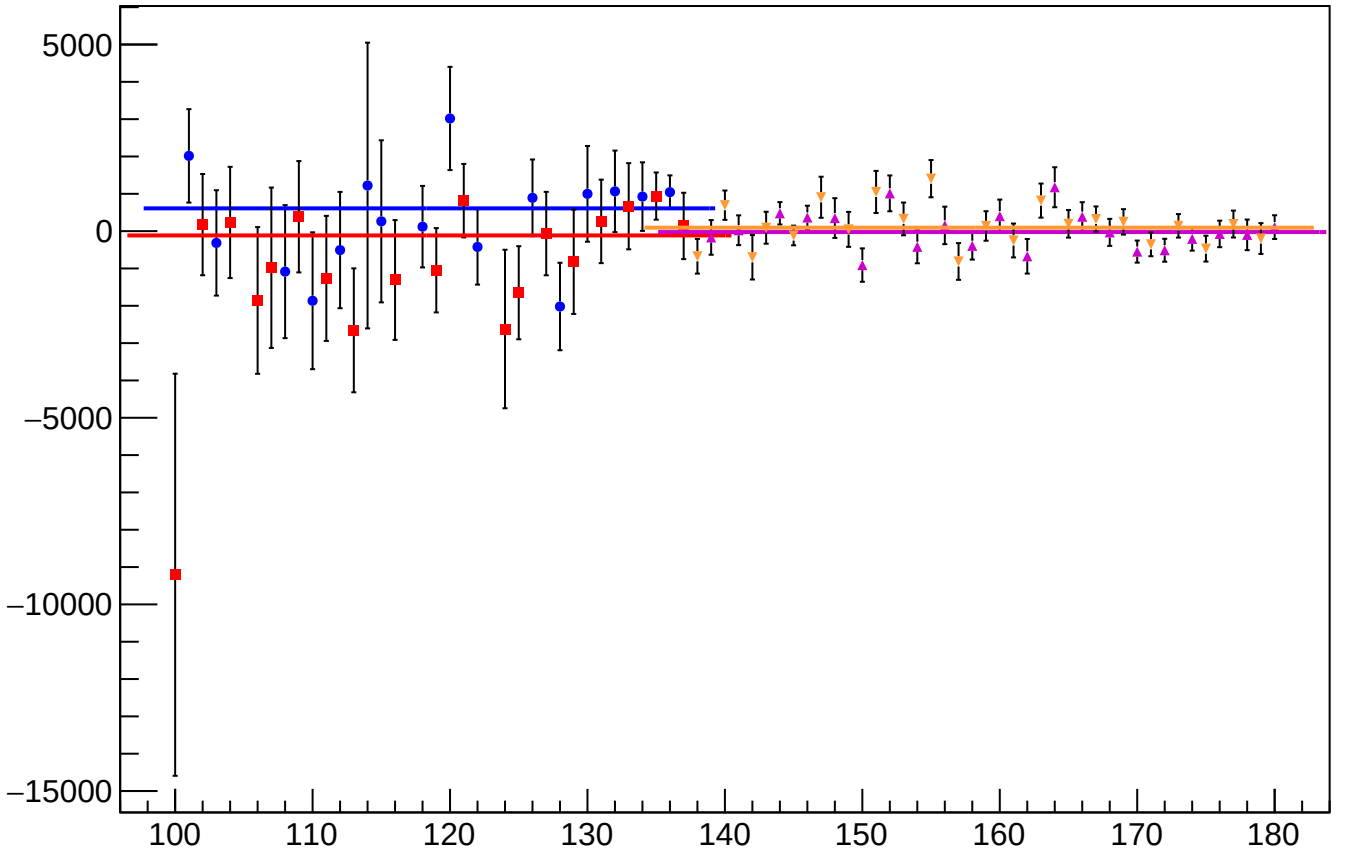
Left: 53.741+/-0.007 χ^2/NDF: 932113.3/42

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 56.928+/-0.008 χ^2/NDF:1752971.7/36

Out: 57.481+/-0.008 χ^2/NDF:1963739.8/40

All: 57.204+/-0.006 χ^2/NDF: 3718921.8/77



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -24.232+/-83.098 χ^2/NDF:30.7/20

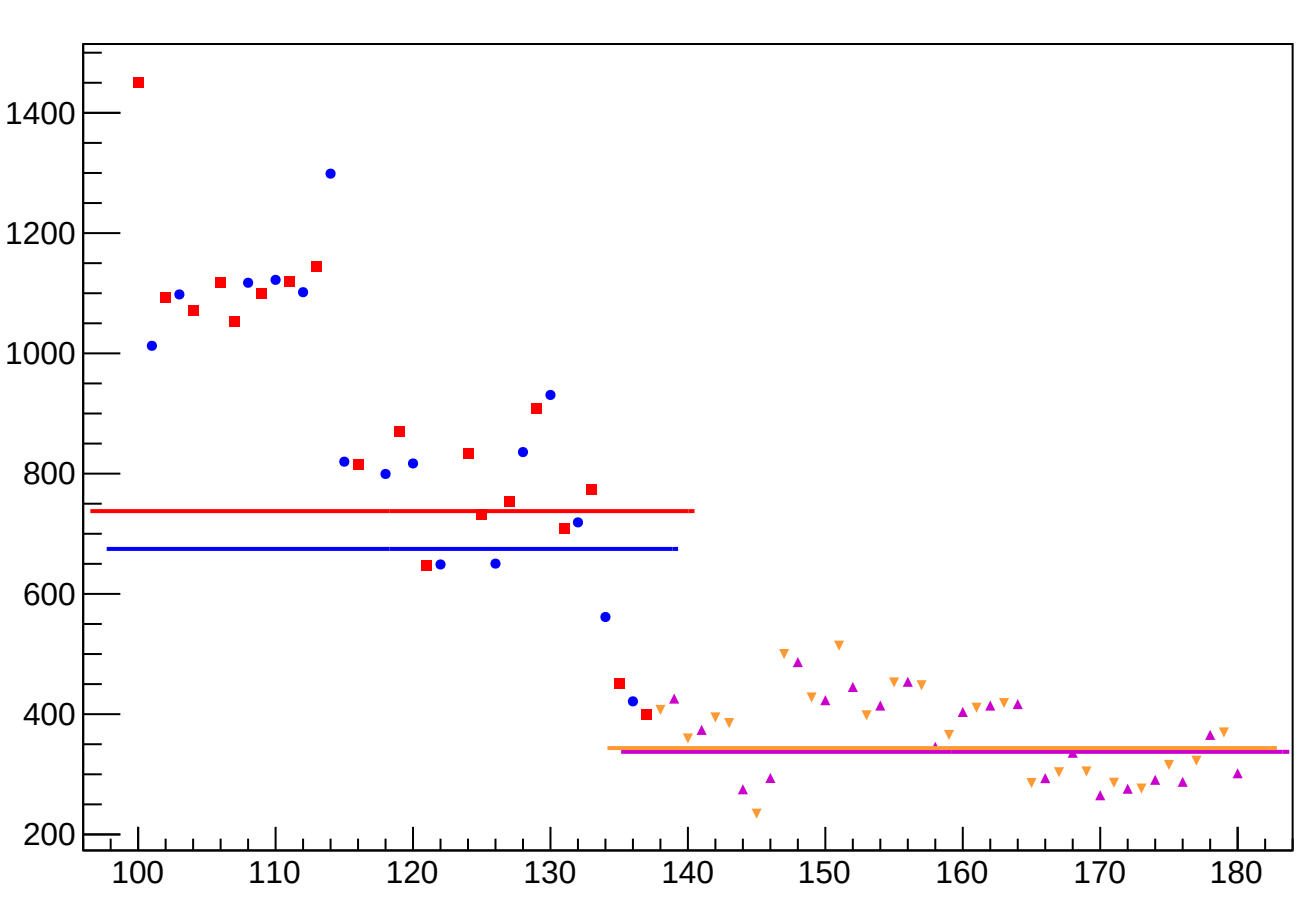
Left: 33.679+/-59.169 χ^2/NDF: 63.9/42

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 31.902+/-79.339 χ^2/NDF:51.6/36

Out: 76.449+/-80.796 χ^2/NDF:48.2/40

All: 53.770+/-56.609 χ^2/NDF: 100.0/77



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434076.4/21

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 337.376+/-0.059 χ^2/NDF:1201088.4/20

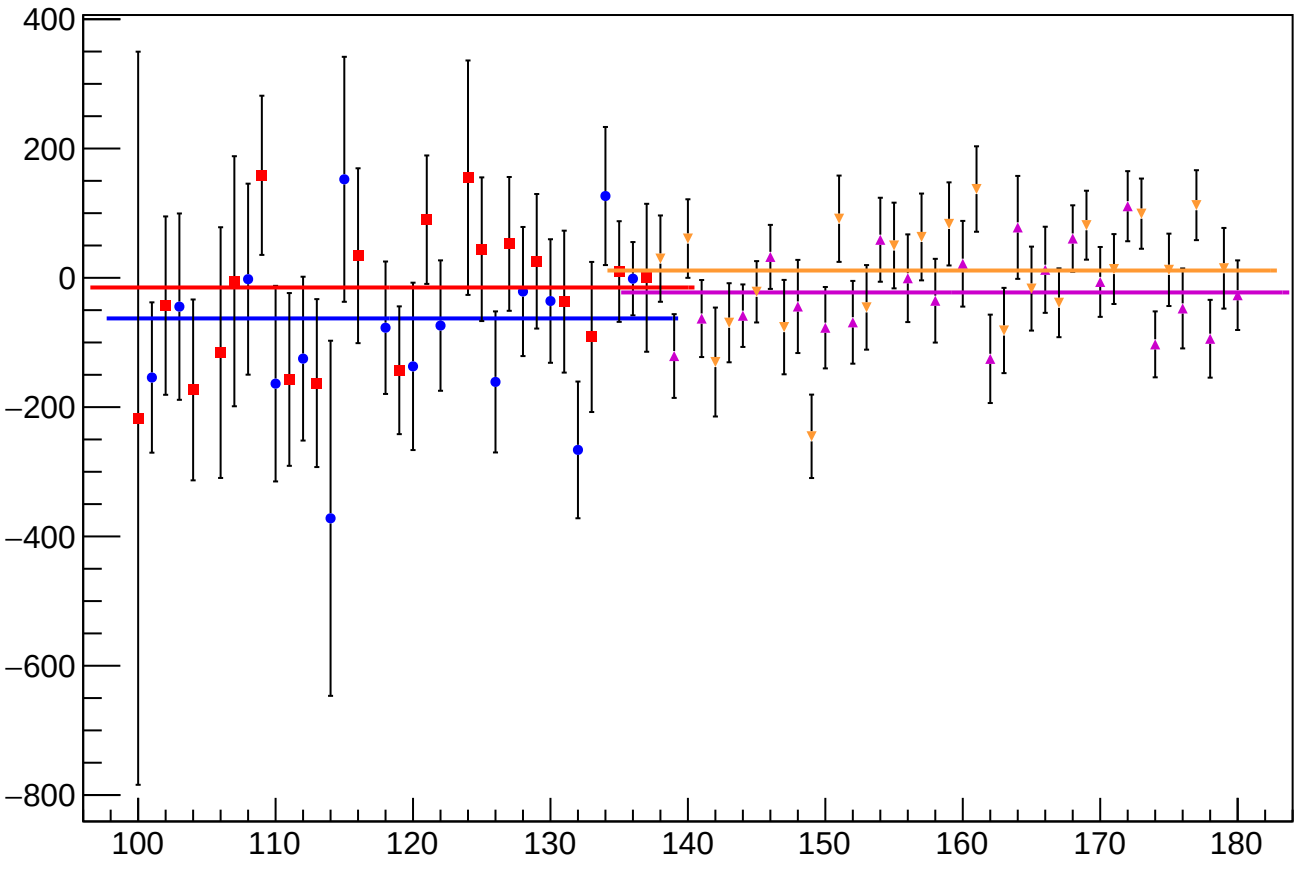
Left: 340.447+/-0.042 χ^2/NDF: 2640707.2/42

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 367.216+/-0.056 χ^2/NDF:5735262.0/36

Out: 375.430+/-0.057 χ^2/NDF:6482760.7/40

All: 371.249+/-0.040 χ^2/NDF: 12228546.4/77



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.616+/-13.029 χ^2/NDF:25.1/20

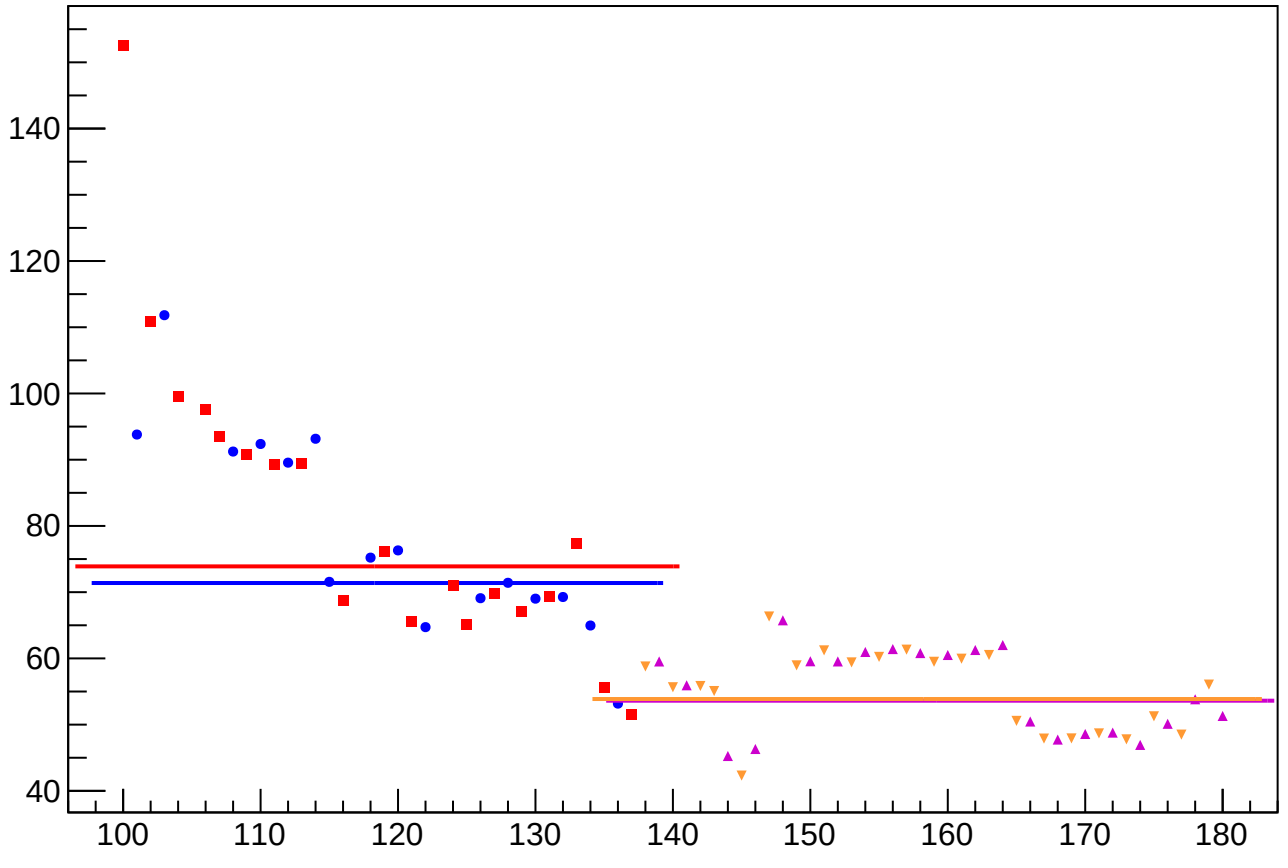
Left: -5.604+/-9.199 χ^2/NDF: 70.4/42

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.108+/-11.751 χ^2/NDF:40.3/36

Out: 6.601+/-11.768 χ^2/NDF:54.1/40

All: -11.779+/-8.315 χ^2/NDF: 99.3/77



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

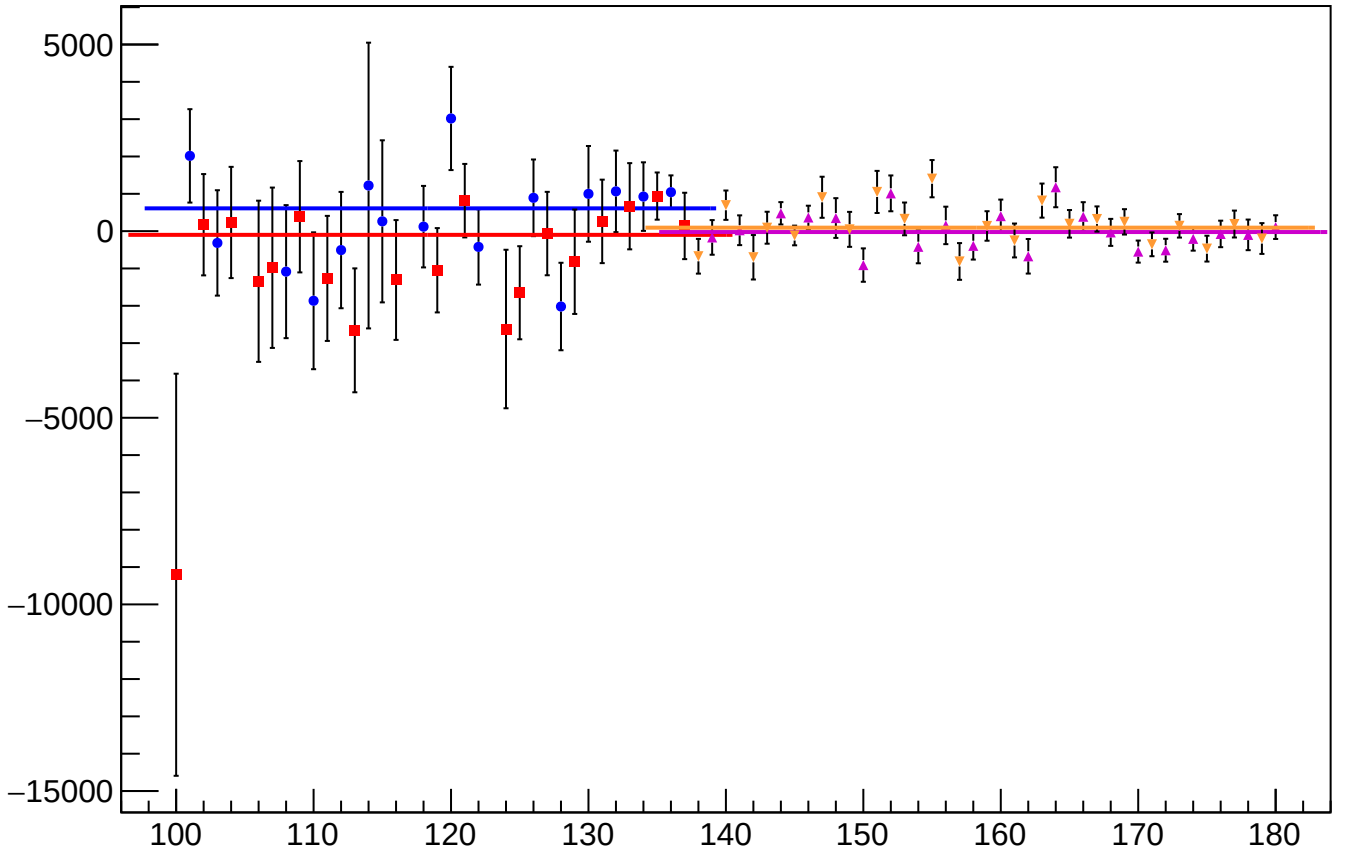
Left: 53.741+/-0.007 χ^2/NDF: 932113.3/42

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.928+/-0.008 χ^2/NDF:1752974.3/36

Out: 57.460+/-0.008 χ^2/NDF:1943118.9/40

All: 57.194+/-0.006 χ^2/NDF: 3698140.7/77



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -24.235+/-83.098 χ^2/NDF:30.7/20

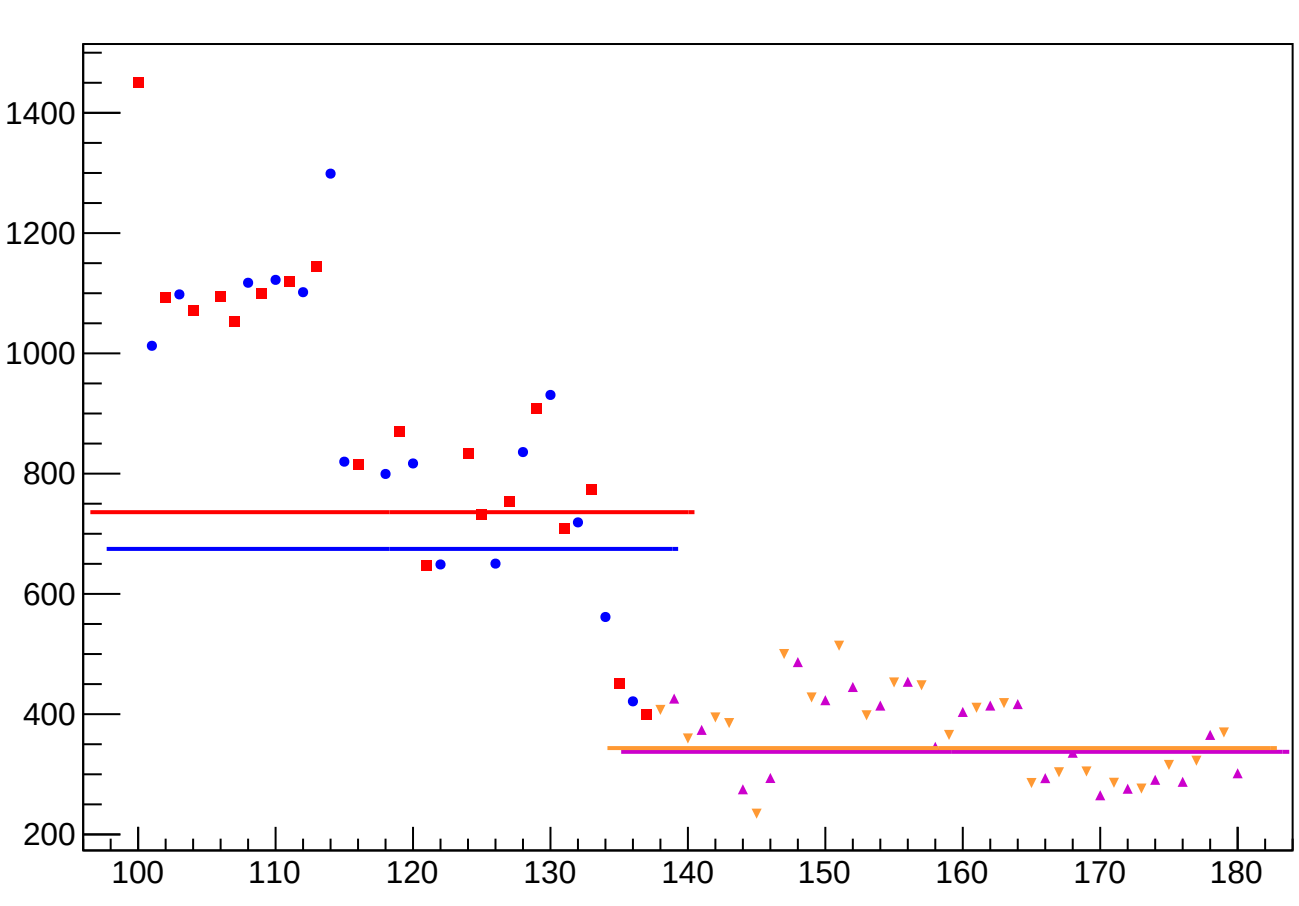
Left: 33.678+/-59.169 χ^2/NDF: 63.9/42

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 31.898+/-79.339 χ^2/NDF:51.6/36

Out: 77.718+/-80.808 χ^2/NDF:47.7/40

All: 54.388+/-56.613 χ^2/NDF: 99.4/77



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

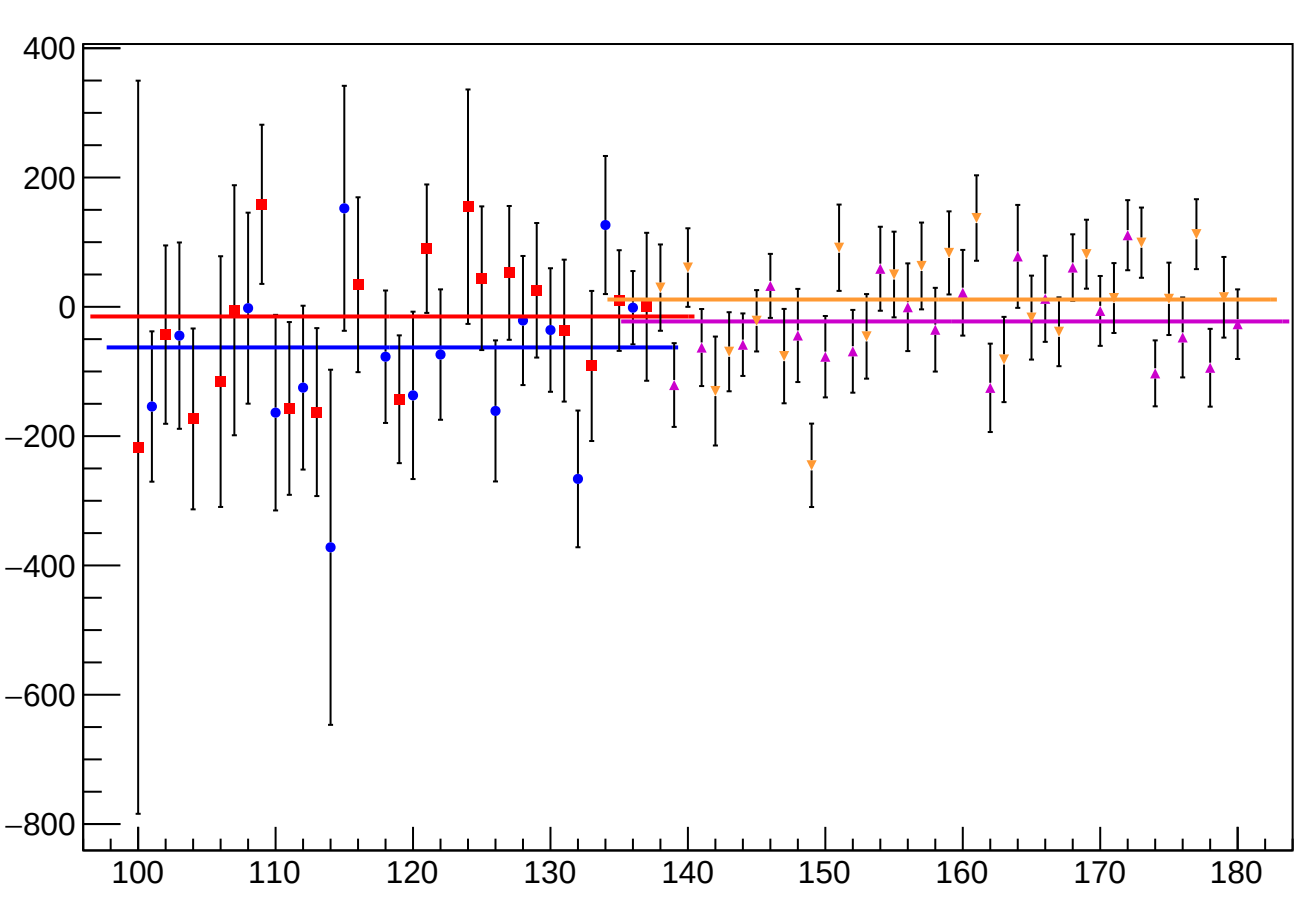
Left: 340.447+/-0.042 χ^2/NDF: 2640719.9/42

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 367.216+/-0.056 χ^2/NDF:5735299.0/36

Out: 375.183+/-0.057 χ^2/NDF:6419881.8/40

All: 371.126+/-0.040 χ^2/NDF: 12165078.1/77



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.616+/-13.029 χ^2/NDF:25.1/20

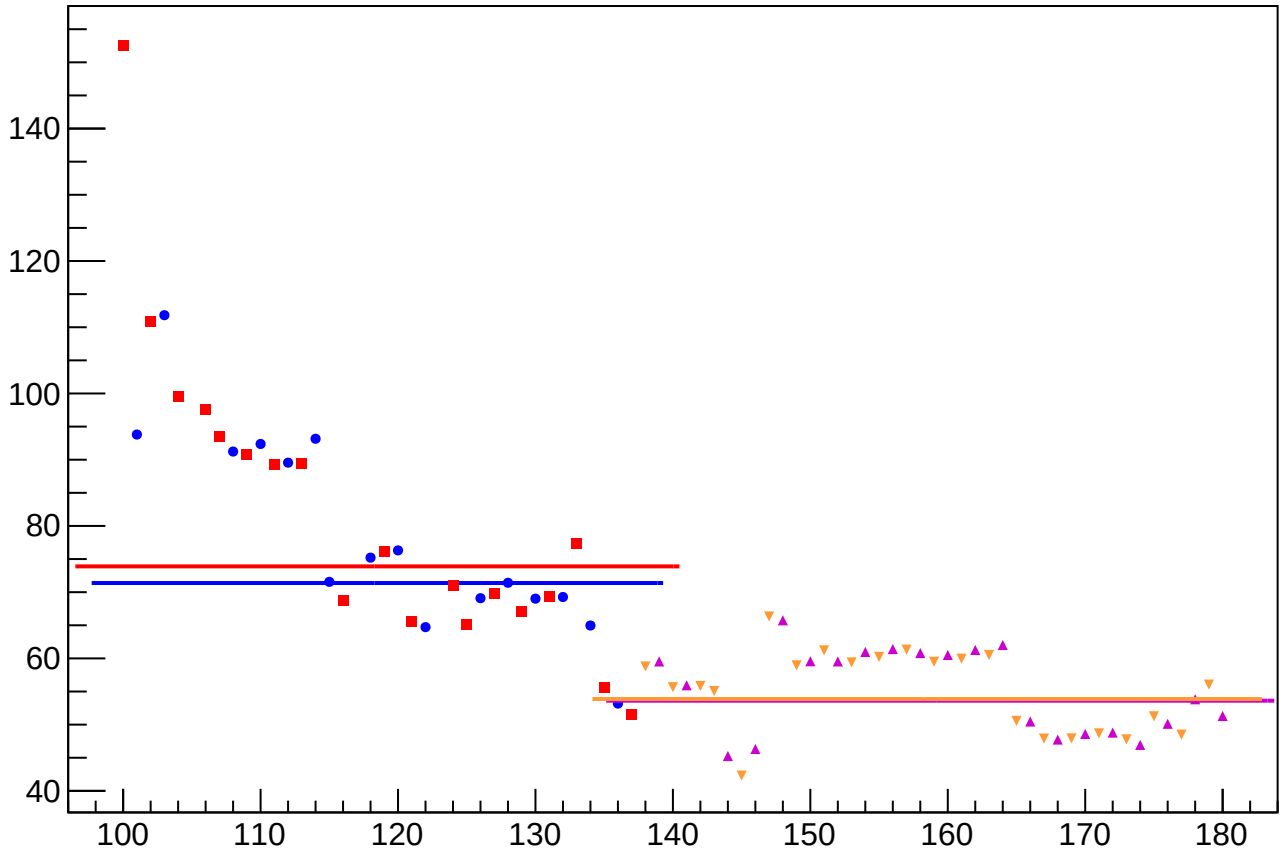
Left: -5.604+/-9.199 χ^2/NDF: 70.4/42

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.108+/-11.751 χ^2/NDF:40.3/36

Out: 6.601+/-11.768 χ^2/NDF:54.1/40

All: -11.779+/-8.315 χ^2/NDF: 99.3/77



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.614+/-0.009 χ^2/NDF:468377.3/20

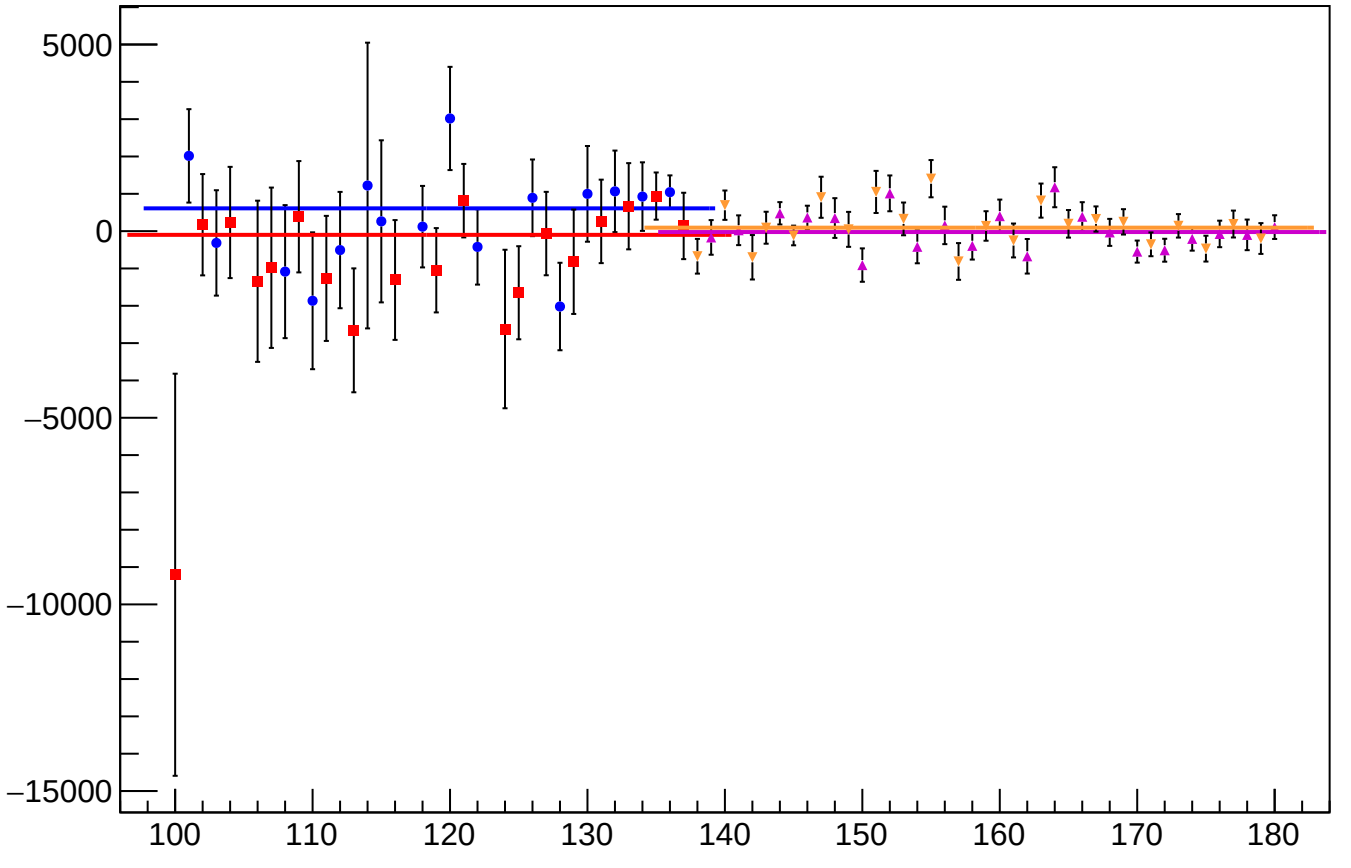
Left: 53.741+/-0.007 χ^2/NDF: 932113.3/42

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 56.928+/-0.008 χ^2/NDF:1752974.3/36

Out: 57.460+/-0.008 χ^2/NDF:1943118.9/40

All: 57.194+/-0.006 χ^2/NDF: 3698140.7/77



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -24.235+/-83.098 χ^2/NDF:30.7/20

Left: 33.678+/-59.169 χ^2/NDF: 63.9/42

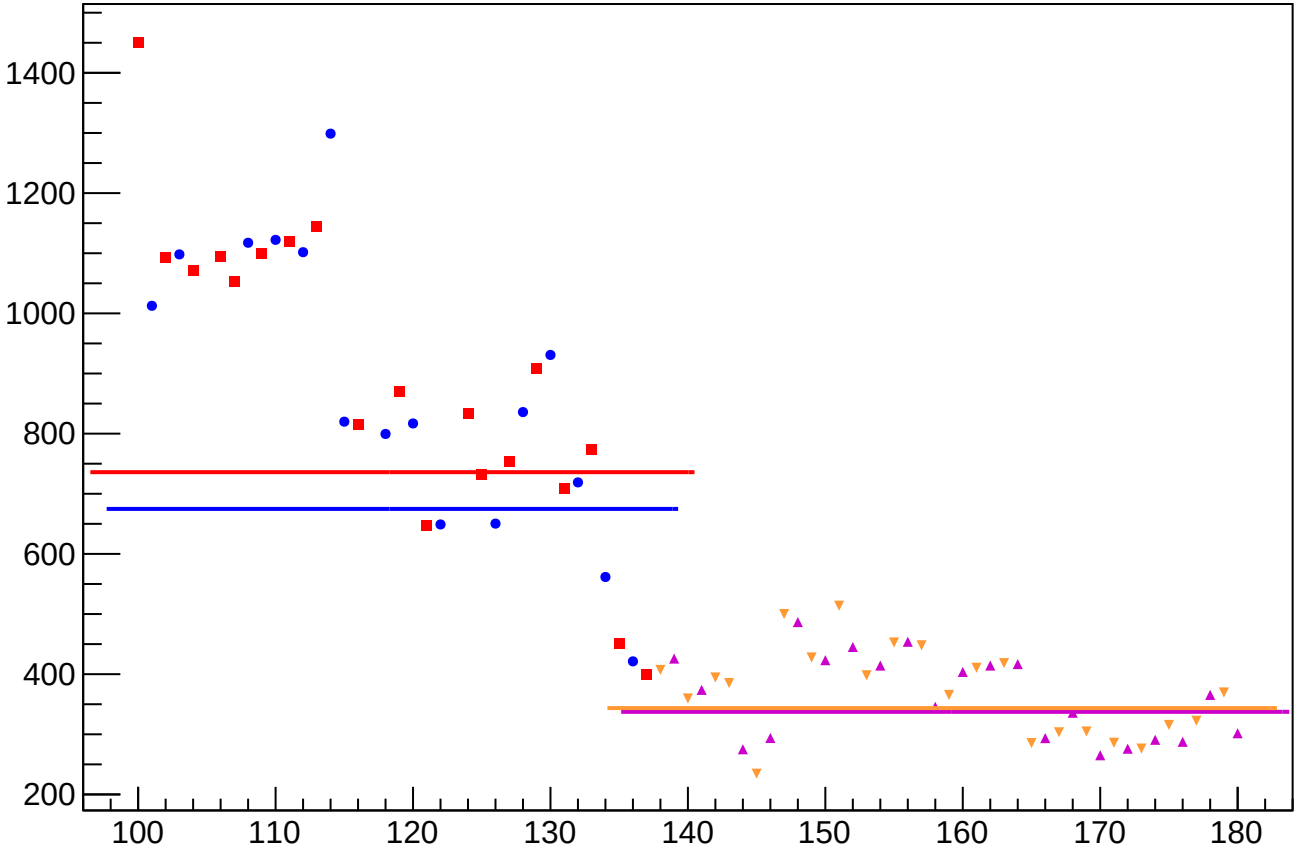
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 31.898+/-79.339 χ^2/NDF:51.6/36

Out: 77.718+/-80.808 χ^2/NDF:47.7/40

All: 54.388+/-56.613 χ^2/NDF: 99.4/77

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 337.375+/-0.059 χ^2/NDF:1201099.7/20

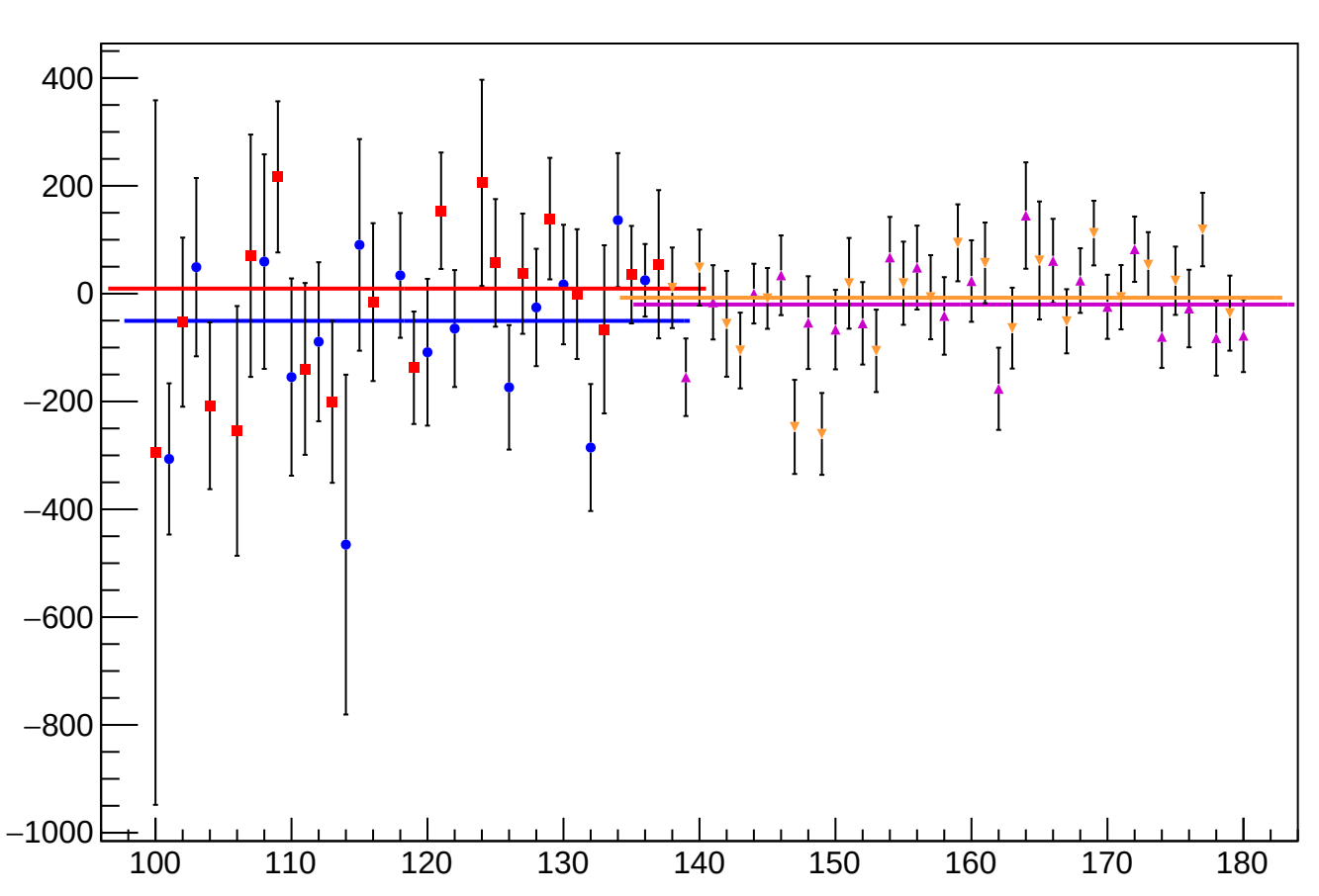
Left: 340.447+/-0.042 χ^2/NDF: 2640719.9/42

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 367.216+/-0.056 χ^2/NDF:5735299.0/36

Out: 375.183+/-0.057 χ^2/NDF:6419881.8/40

All: 371.126+/-0.040 χ^2/NDF: 12165078.1/77



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.545+/-15.123 χ^2/NDF:36.5/21

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -20.104+/-15.245 χ^2/NDF:21.6/20

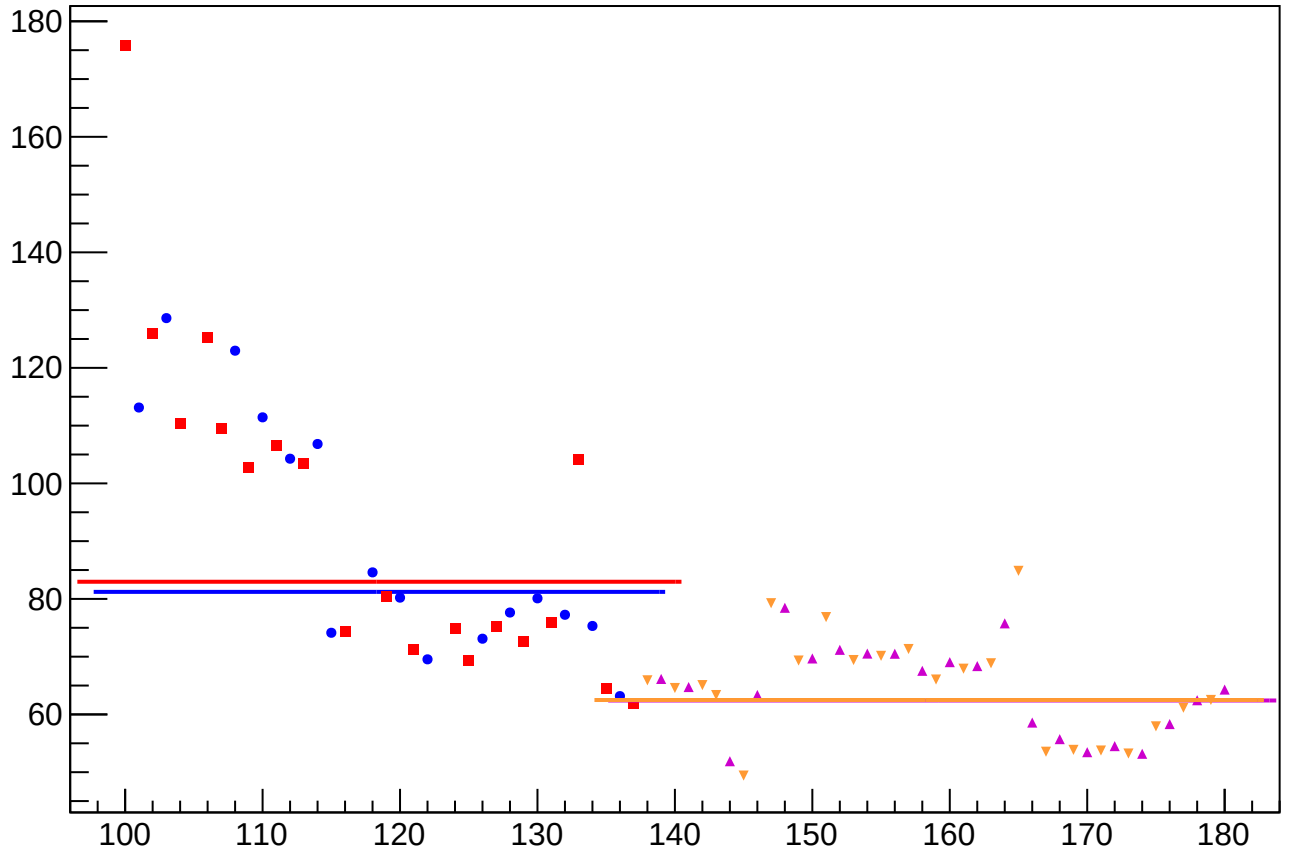
Left: -13.774+/-10.737 χ^2/NDF: 58.5/42

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -25.998+/-13.686 χ^2/NDF:38.8/36

Out: -4.331+/-13.611 χ^2/NDF:52.3/40

All: -15.105+/-9.651 χ^2/NDF: 92.4/77



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.497+/-0.011 χ^2/NDF:626168.8/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.414+/-0.011 χ^2/NDF:482826.5/20

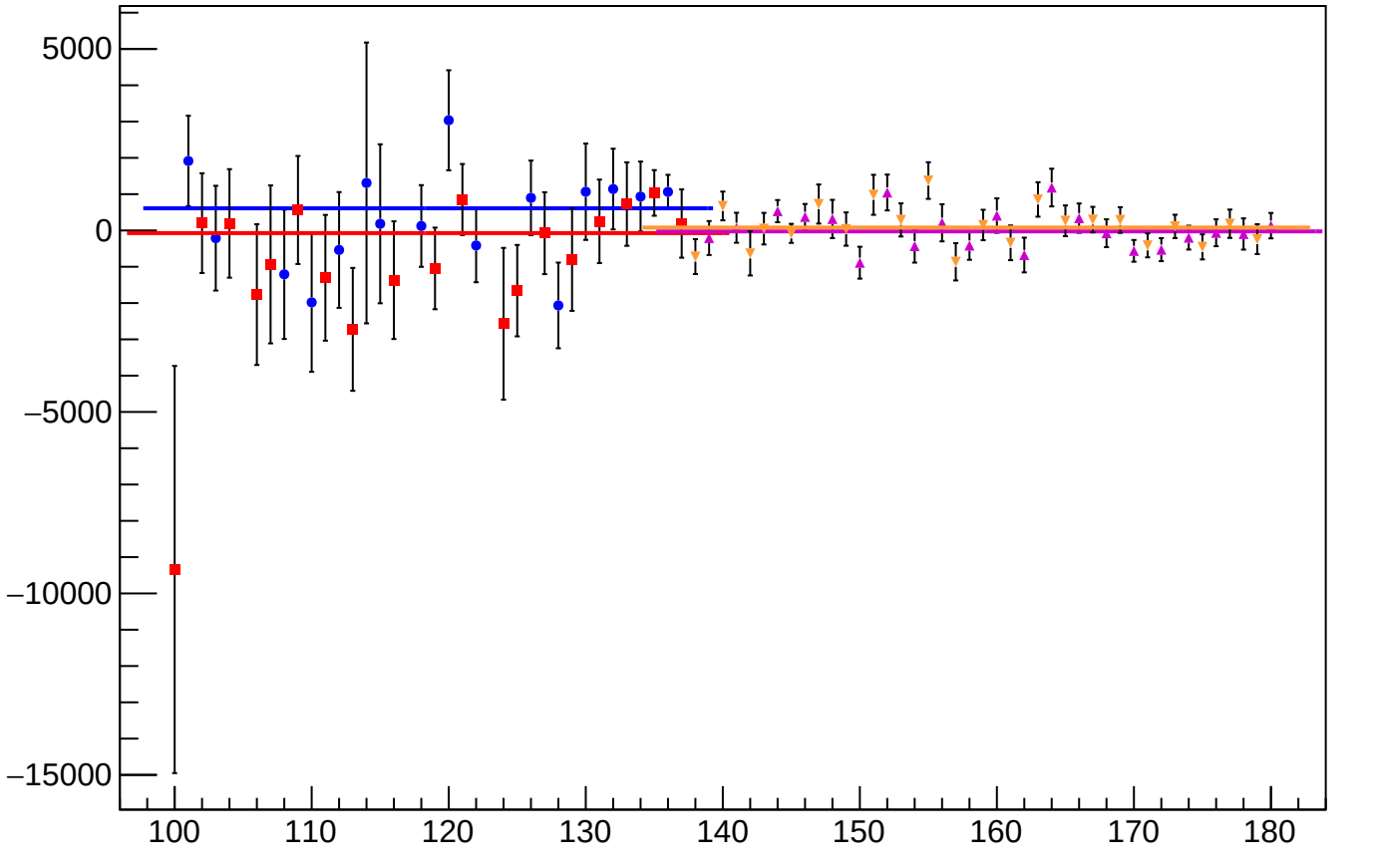
Left: 62.456+/-0.008 χ^2/NDF: 1109025.3/42

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.064+/-0.010 χ^2/NDF:1736389.0/36

Out: 66.385+/-0.010 χ^2/NDF:2052688.7/40

All: 66.226+/-0.007 χ^2/NDF: 3789629.3/77



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 80.638+/-86.684 χ^2/NDF:30.7/21

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -25.679+/-86.459 χ^2/NDF:31.0/20

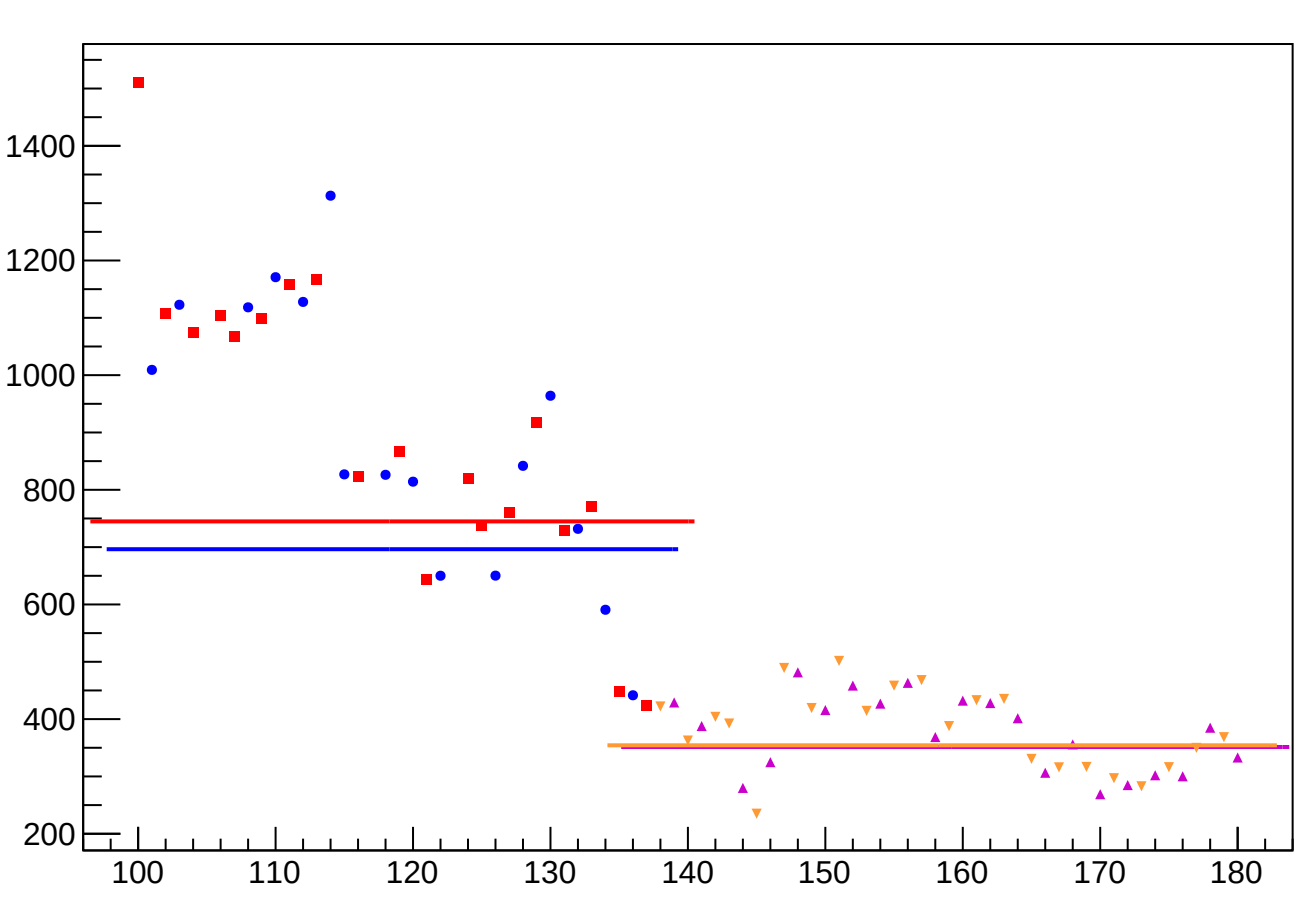
Left: 27.341+/-61.215 χ^2/NDF: 62.5/42

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 31.924+/-82.451 χ^2/NDF:51.7/36

Out: 67.838+/-82.978 χ^2/NDF:47.2/40

All: 49.767+/-58.487 χ^2/NDF: 99.0/77



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 354.313+/-0.061 χ^2/NDF:1373269.1/21

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 351.365+/-0.061 χ^2/NDF:1098772.0/20

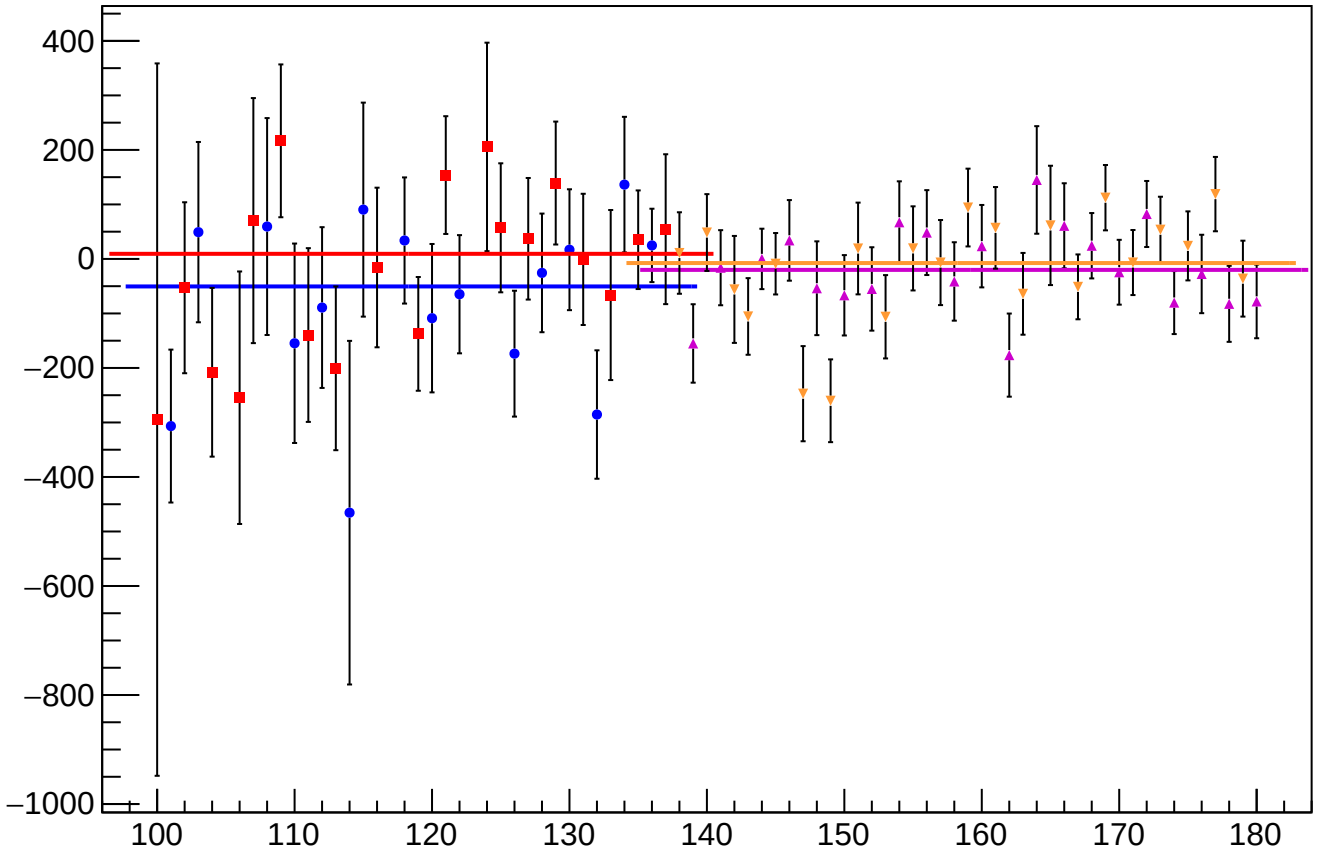
Left: 352.835+/-0.043 χ^2/NDF: 2473200.9/42

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 382.610+/-0.058 χ^2/NDF:5498363.9/36

Out: 386.999+/-0.059 χ^2/NDF:6269463.5/40

All: 384.790+/-0.041 χ^2/NDF: 11770644.0/77



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.544+/-15.123 χ^2/NDF:36.5/21

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -20.104+/-15.246 χ^2/NDF:21.6/20

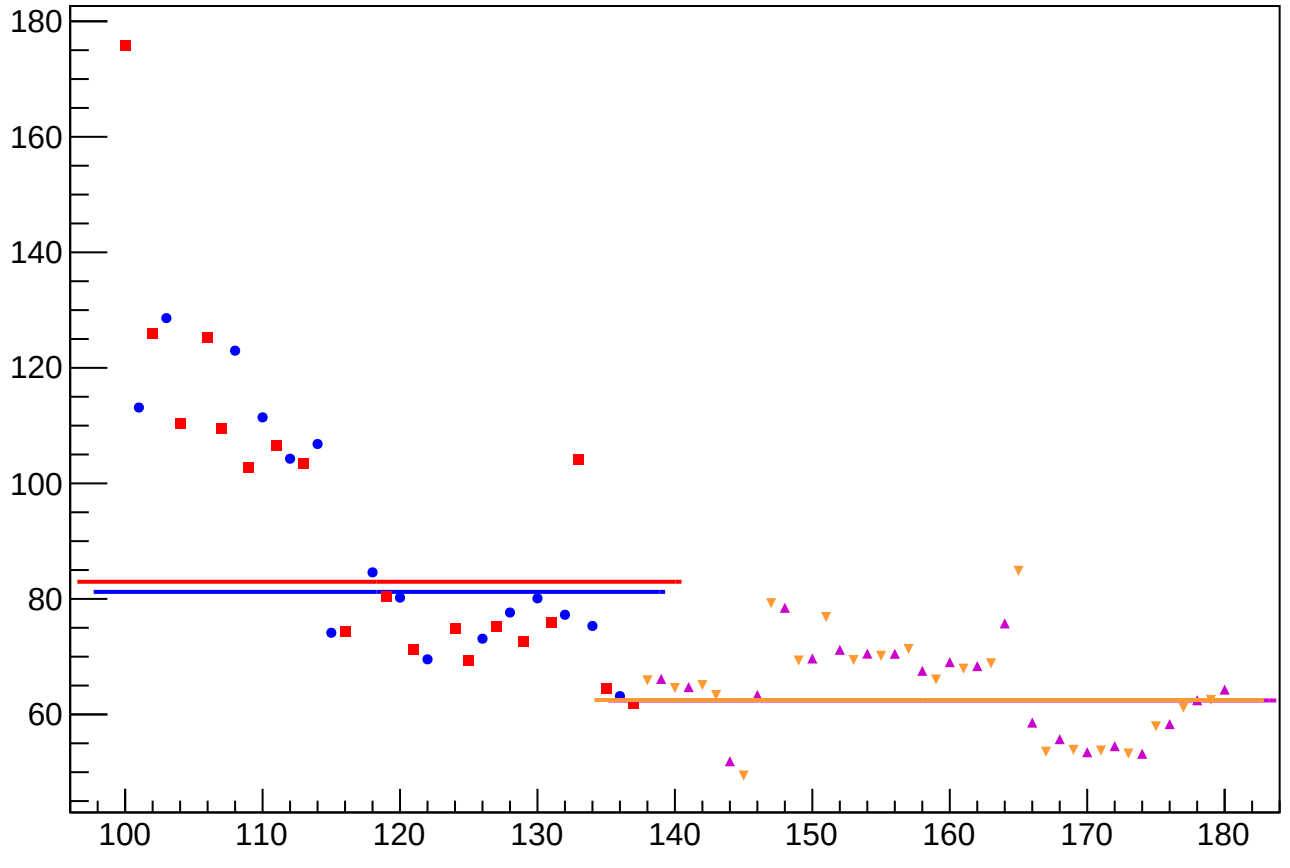
Left: -13.773+/-10.737 χ^2/NDF: 58.5/42

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -25.998+/-13.686 χ^2/NDF:38.8/36

Out: -4.330+/-13.611 χ^2/NDF:52.3/40

All: -15.105+/-9.651 χ^2/NDF: 92.4/77



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.497+/-0.011 χ^2/NDF:626166.6/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.414+/-0.011 χ^2/NDF:482820.8/20

Left: 62.456+/-0.008 χ^2/NDF: 1109017.2/42

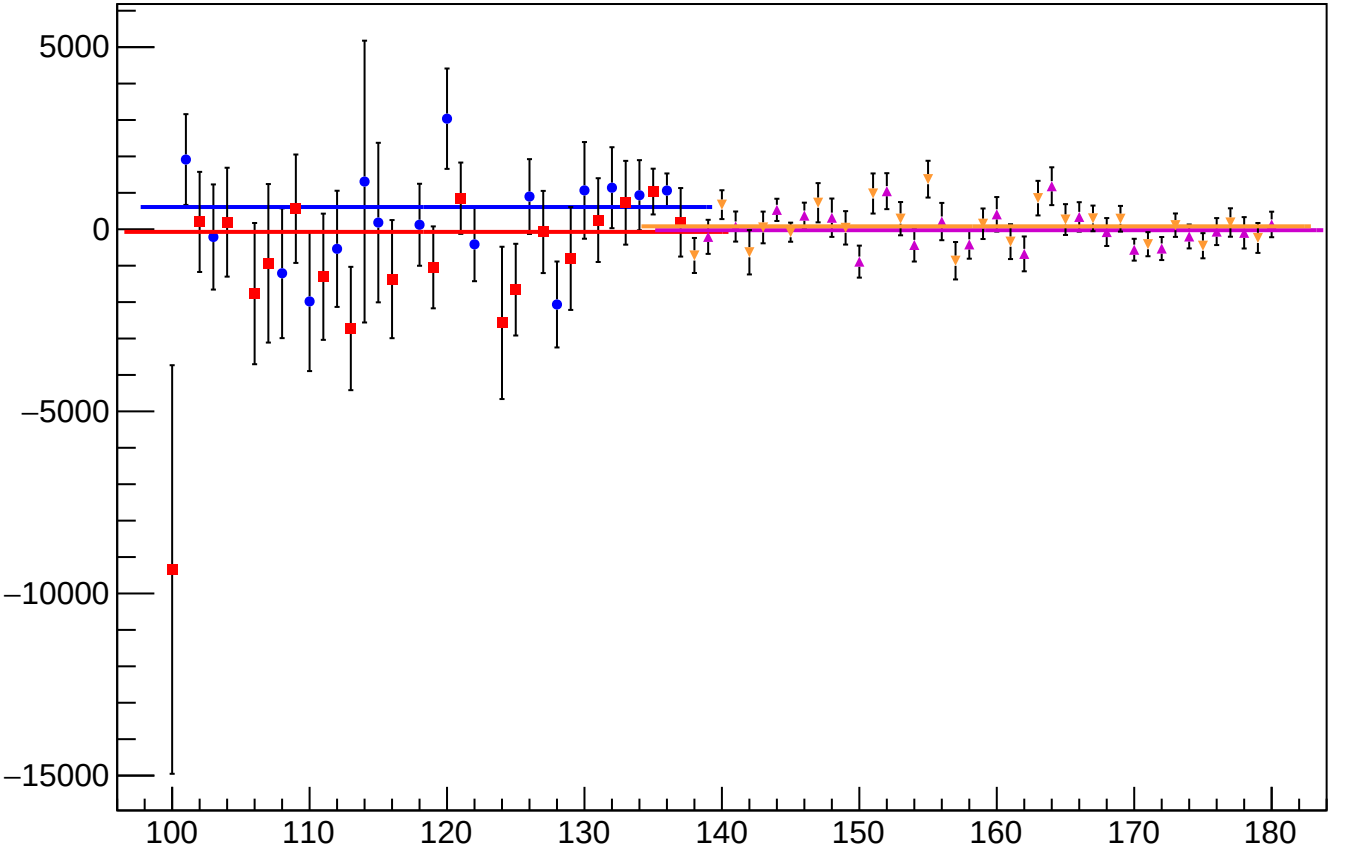
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.065+/-0.010 χ^2/NDF:1736333.4/36

Out: 66.385+/-0.010 χ^2/NDF:2052654.8/40

All: 66.226+/-0.007 χ^2/NDF: 3789539.5/77

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 80.639+/-86.684 χ^2/NDF:30.7/21

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -25.679+/-86.459 χ^2/NDF:31.0/20

Left: 27.341+/-61.215 χ^2/NDF: 62.5/42

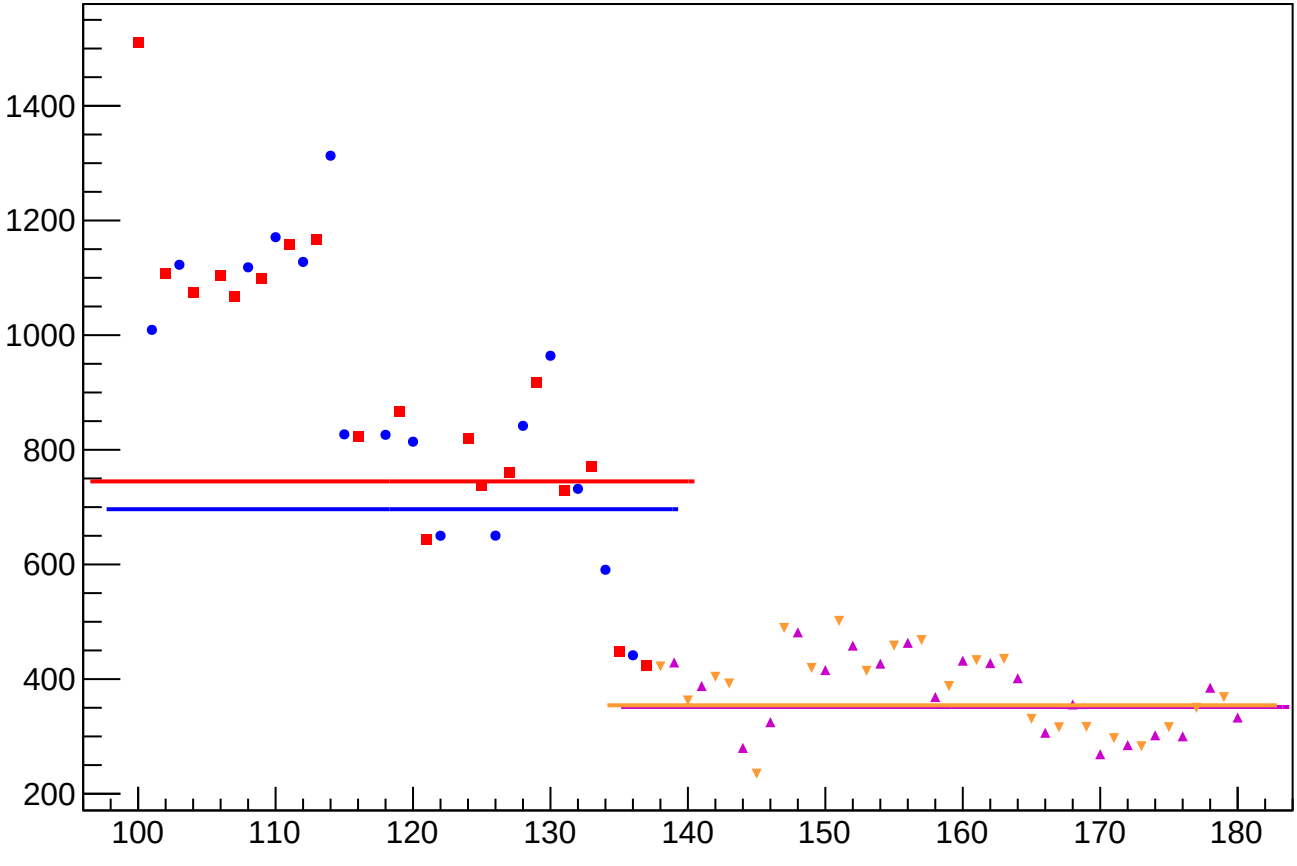
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 31.924+/-82.451 χ^2/NDF:51.7/36

Out: 67.838+/-82.978 χ^2/NDF:47.2/40

All: 49.767+/-58.487 χ^2/NDF: 99.0/77

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 354.314+/-0.061 χ^2/NDF:1373284.0/21

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 351.365+/-0.061 χ^2/NDF:1098777.1/20

Left: 352.836+/-0.043 χ^2/NDF: 2473220.7/42

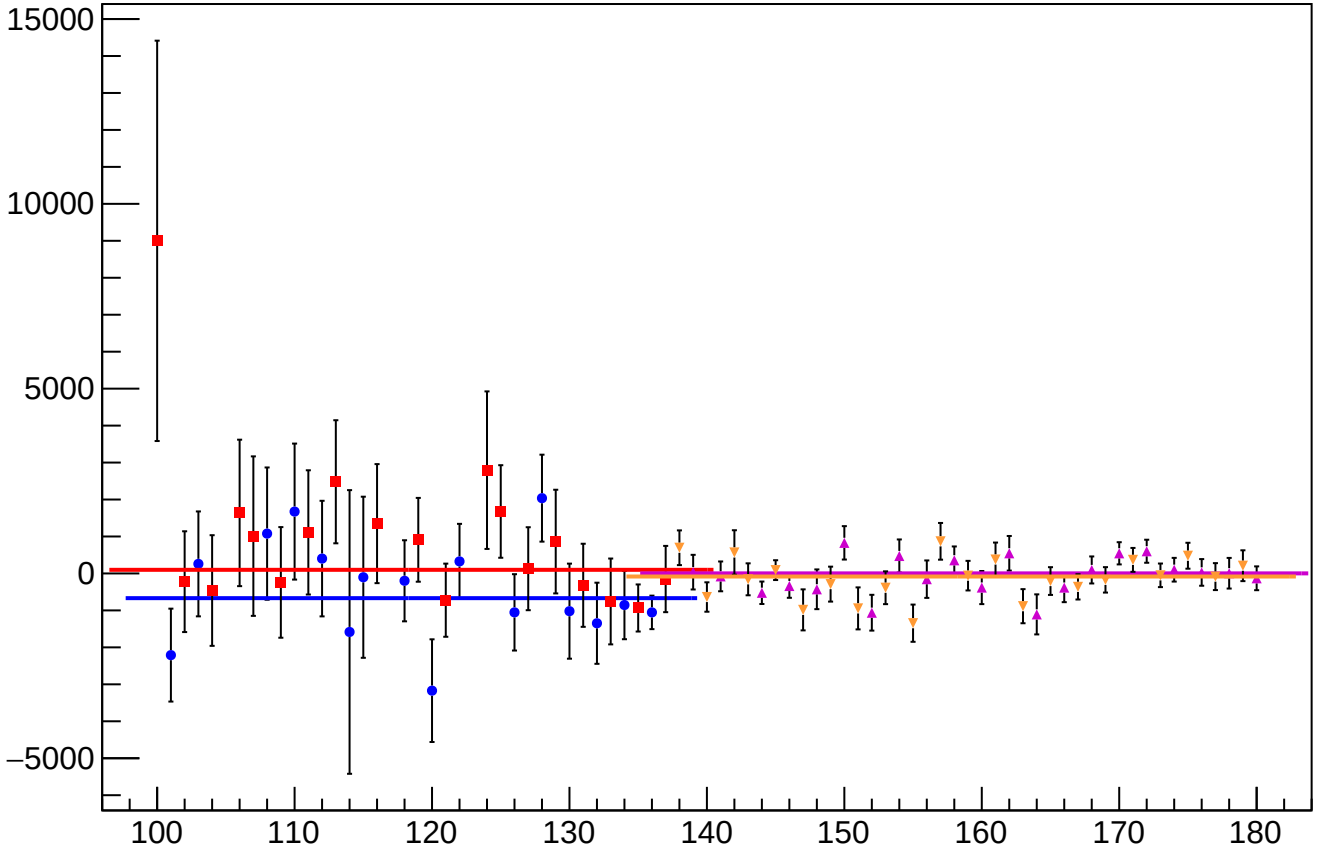
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 382.610+/-0.058 χ^2/NDF:5498339.1/36

Out: 387.000+/-0.059 χ^2/NDF:6269453.9/40

All: 384.791+/-0.041 χ^2/NDF: 11770609.3/77

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -82.906+/-85.321 χ^2/NDF:31.8/21

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 1.832+/-84.175 χ^2/NDF:29.6/20

Left: -39.964+/-59.922 χ^2/NDF: 61.9/42

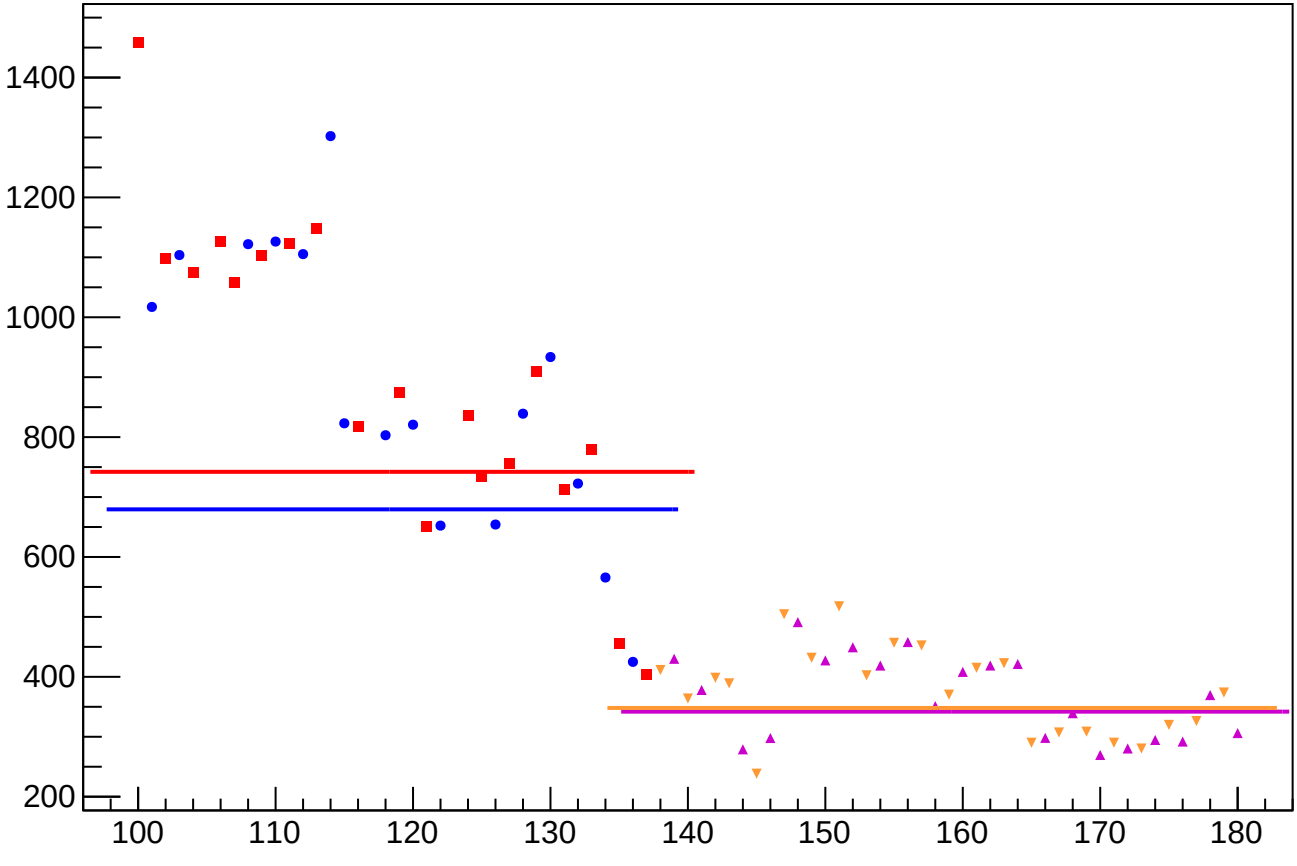
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -58.173+/-80.319 χ^2/NDF:51.4/36

Out: -68.110+/-81.758 χ^2/NDF:47.0/40

All: -63.053+/-57.296 χ^2/NDF: 98.4/77

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.083+/-0.060 χ^2/NDF:1404098.1/21

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 341.917+/-0.060 χ^2/NDF:1175411.9/20

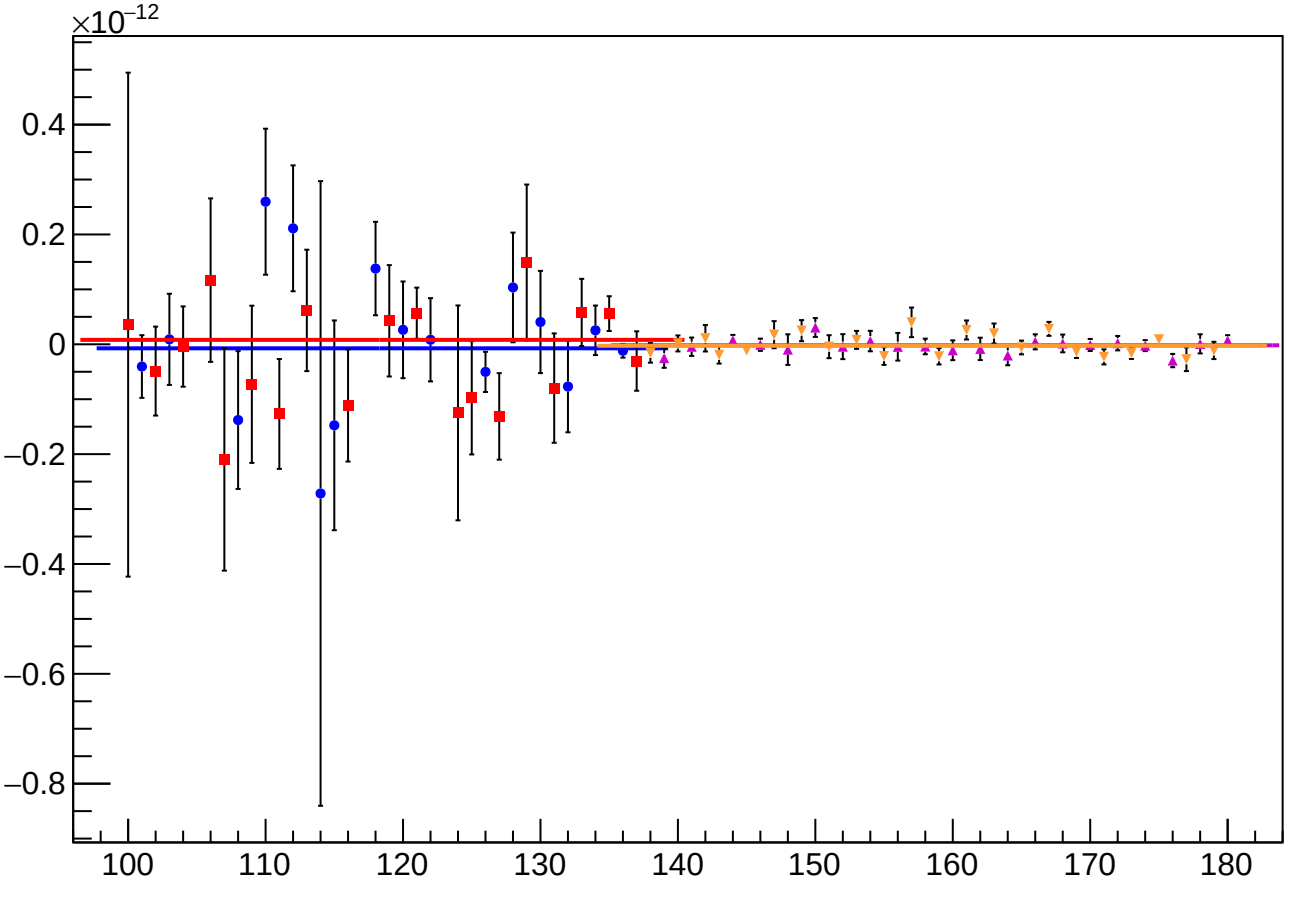
Left: 344.958+/-0.042 χ^2/NDF: 2584801.9/42

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 372.134+/-0.057 χ^2/NDF:5655373.8/36

Out: 380.307+/-0.058 χ^2/NDF:6396592.0/40

All: 376.147+/-0.041 χ^2/NDF: 12062136.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/20

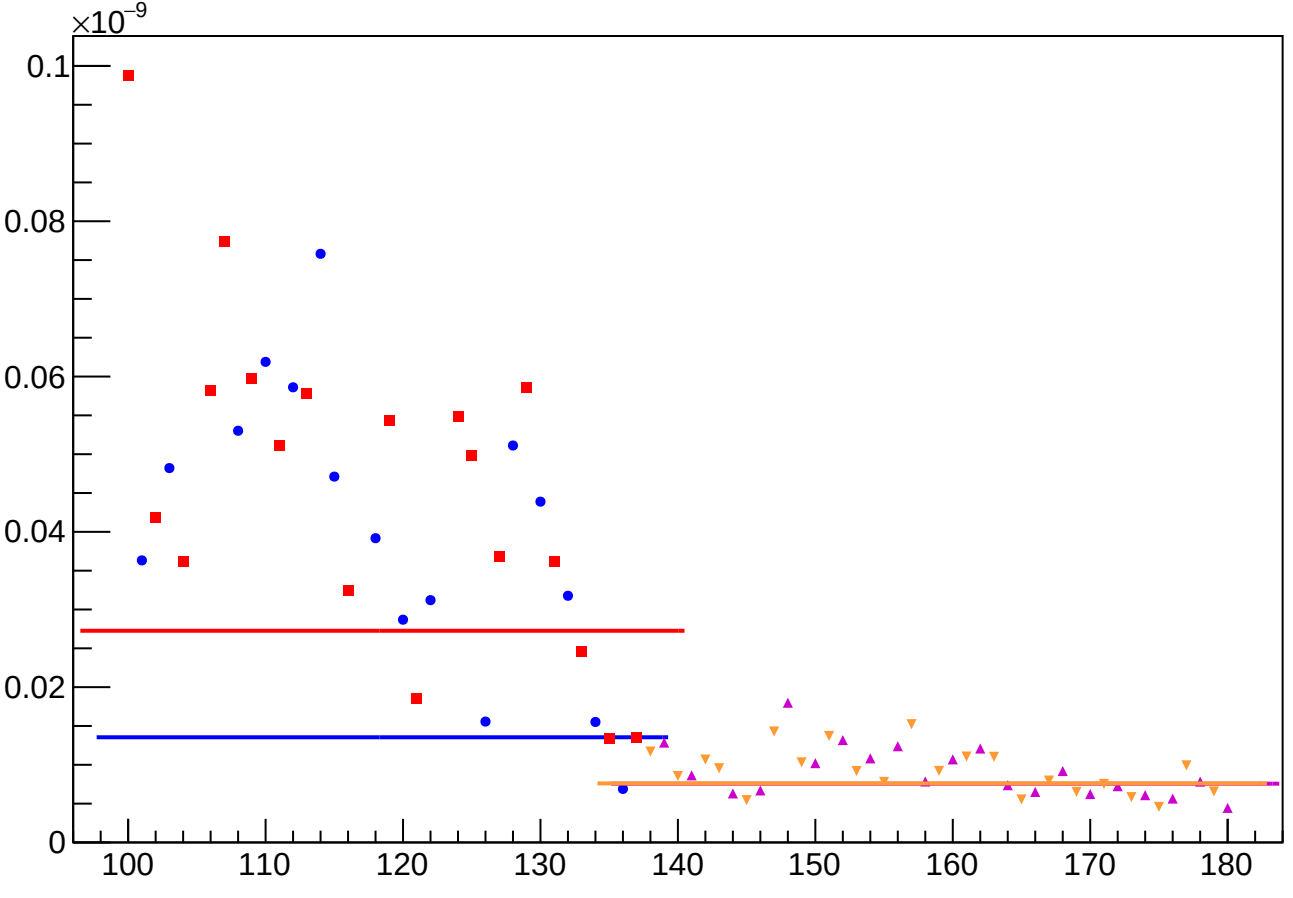
Left: -0.000+/-0.000 χ^2/NDF: 44.4/42

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:31.8/36

Out: -0.000+/-0.000 χ^2/NDF:47.5/40

All: -0.000+/-0.000 χ^2/NDF: 79.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456805.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1336585.5/20

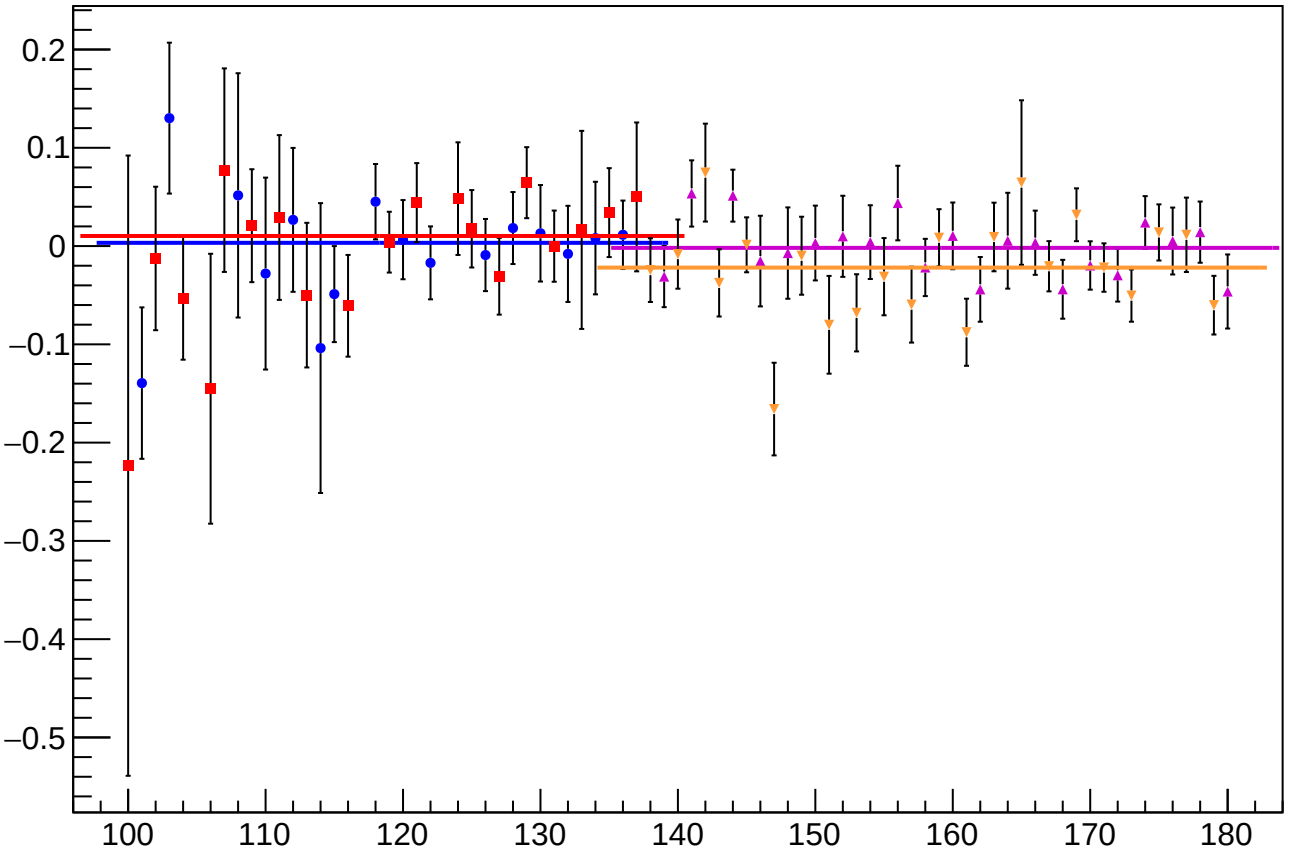
Left: 0.000+/-0.000 χ^2/NDF: 2793514.9/42

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4982206.8/36

Out: 0.000+/-0.000 χ^2/NDF:5693438.0/40

All: 0.000+/-0.000 χ^2/NDF: 10677690.1/77



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.002+/-0.007 χ^2/NDF:17.8/20

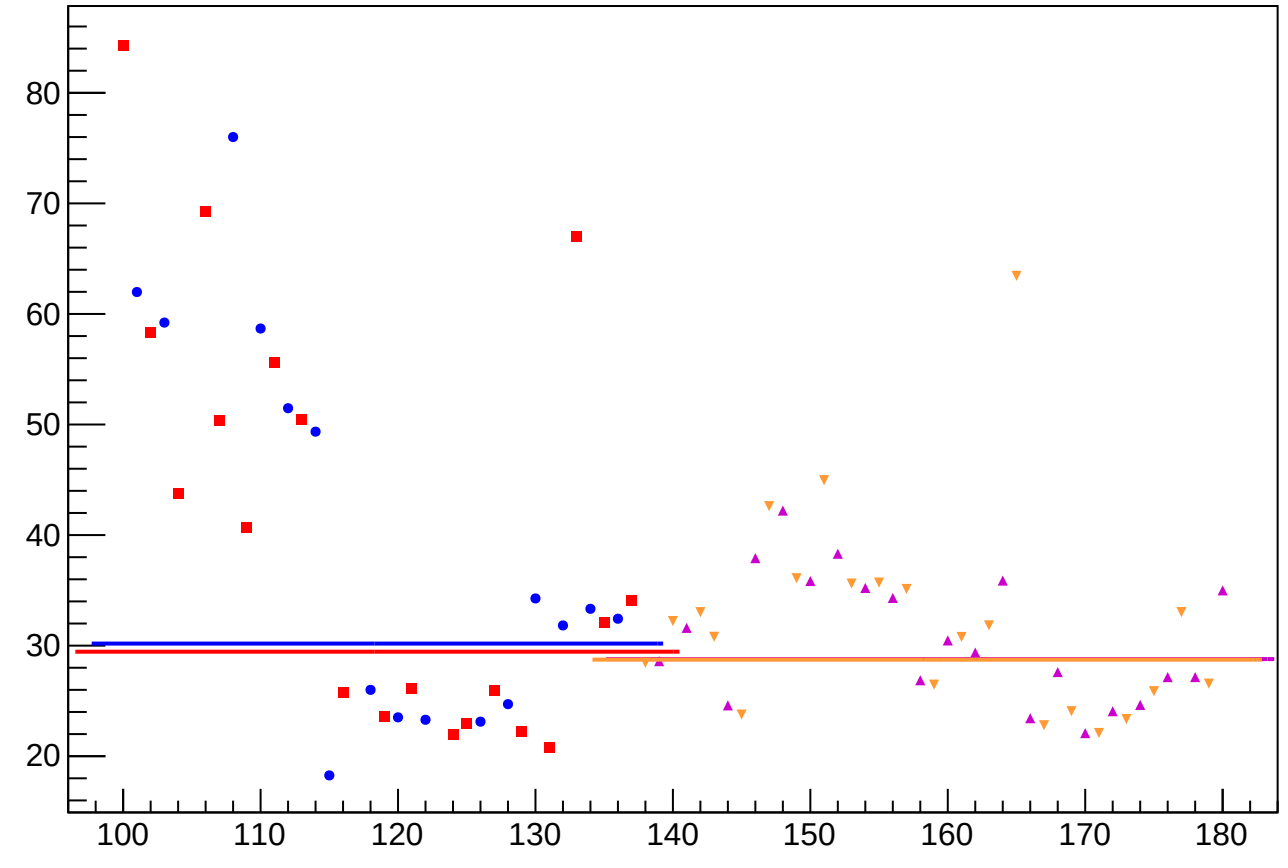
Left: -0.012+/-0.005 χ^2/NDF: 55.5/42

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.006 χ^2/NDF:28.0/36

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 80.7/77



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

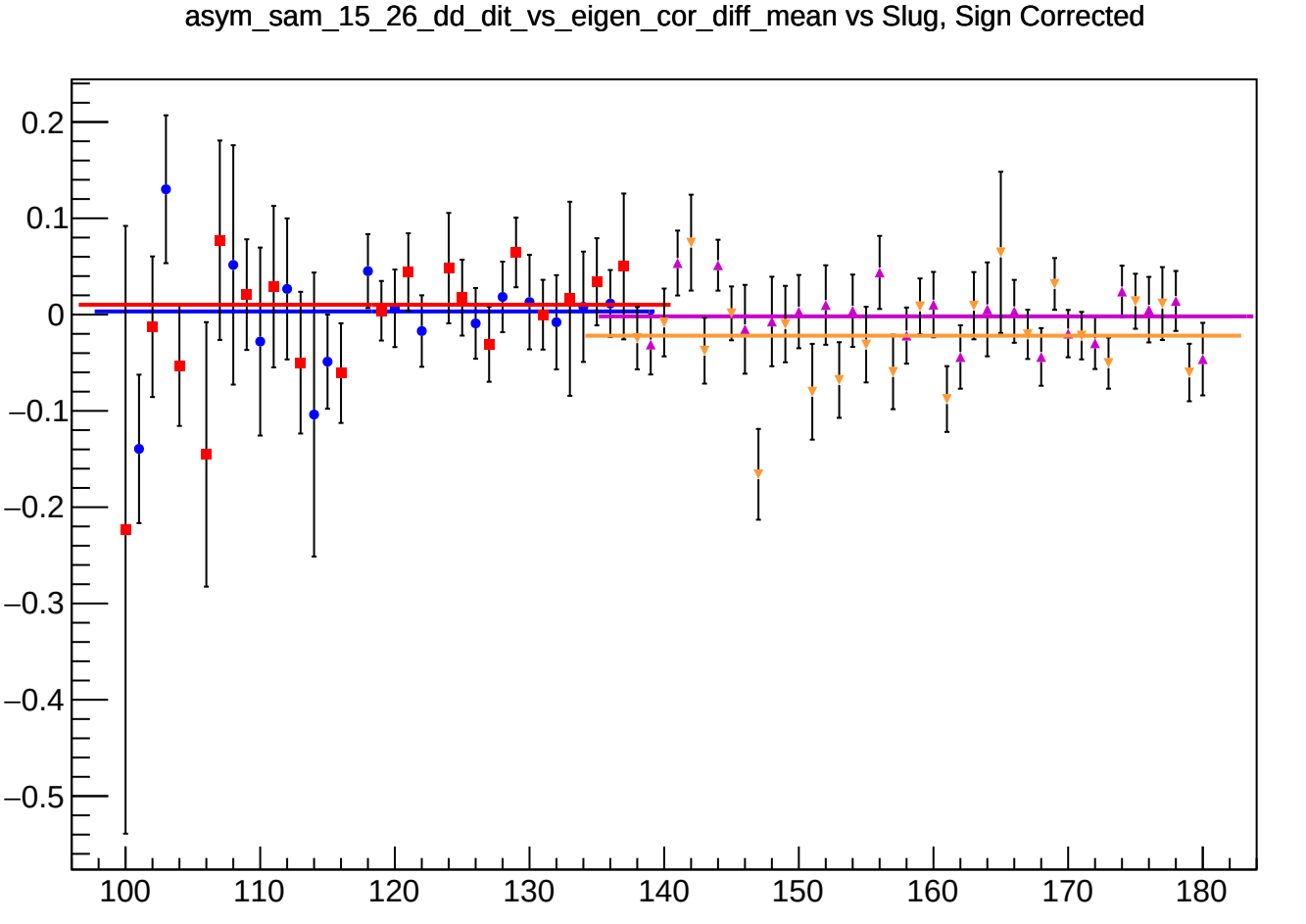
Left: 28.759+/-0.004 χ^2/NDF: 2591626.0/42

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.141+/-0.004 χ^2/NDF:2728946.6/36

Out: 28.925+/-0.004 χ^2/NDF:3423499.4/40

All: 29.031+/-0.003 χ^2/NDF: 6153679.5/77



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.002+/-0.007 χ^2/NDF:17.8/20

Left: -0.012+/-0.005 χ^2/NDF: 55.5/42

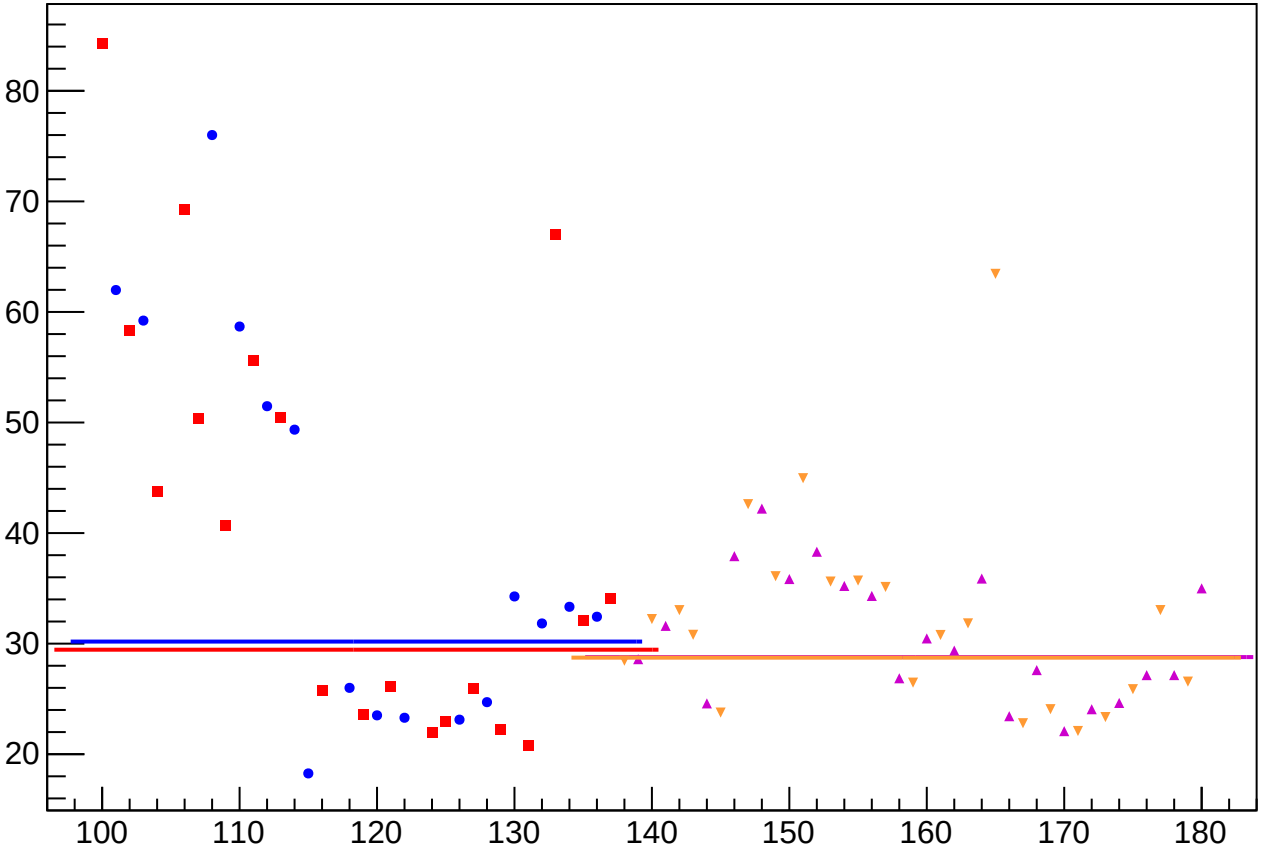
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.006 χ^2/NDF:28.0/36

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 80.7/77

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.784+/-0.005 χ^2/NDF:1022121.2/20

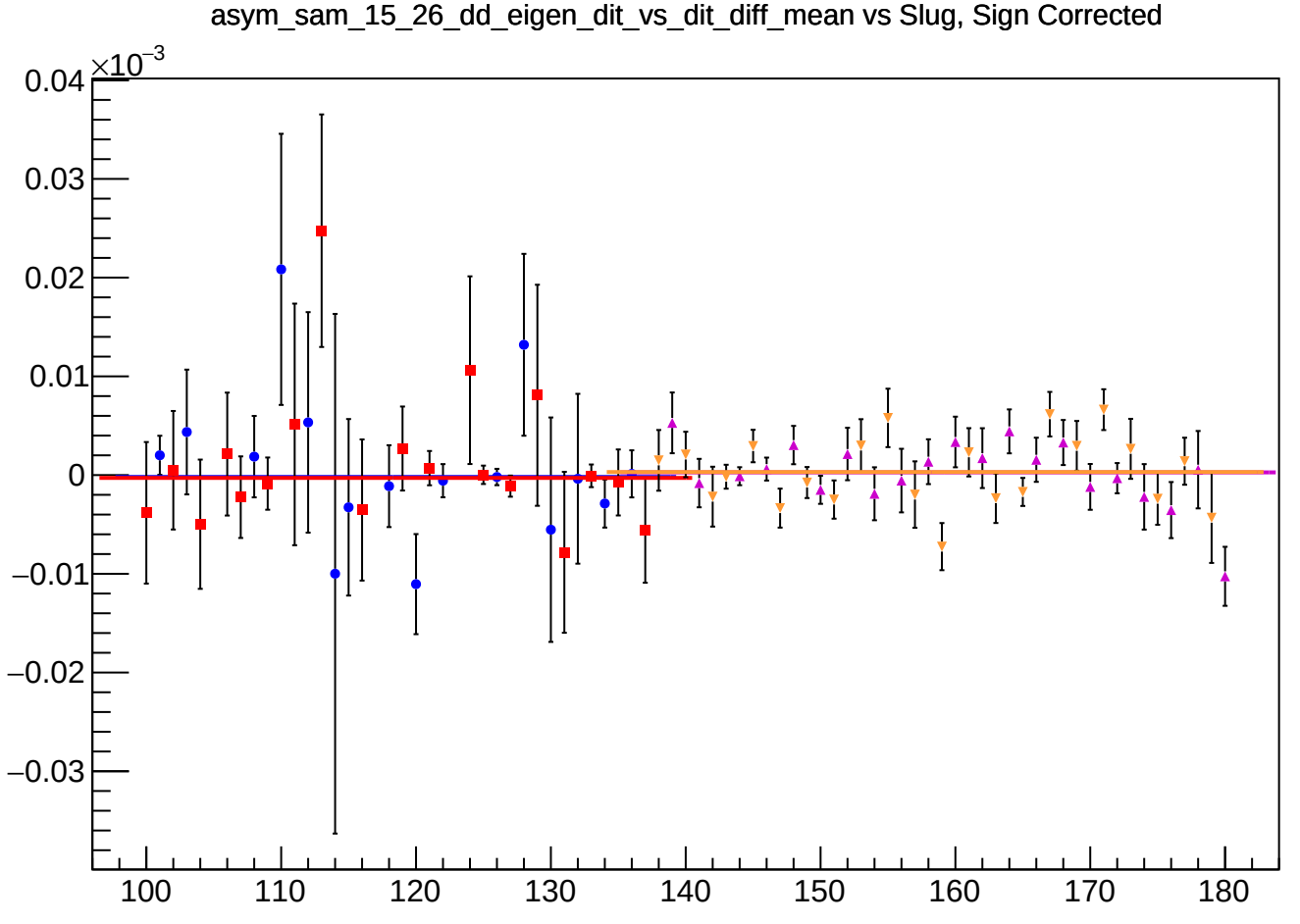
Left: 28.759+/-0.004 χ^2/NDF: 2591626.0/42

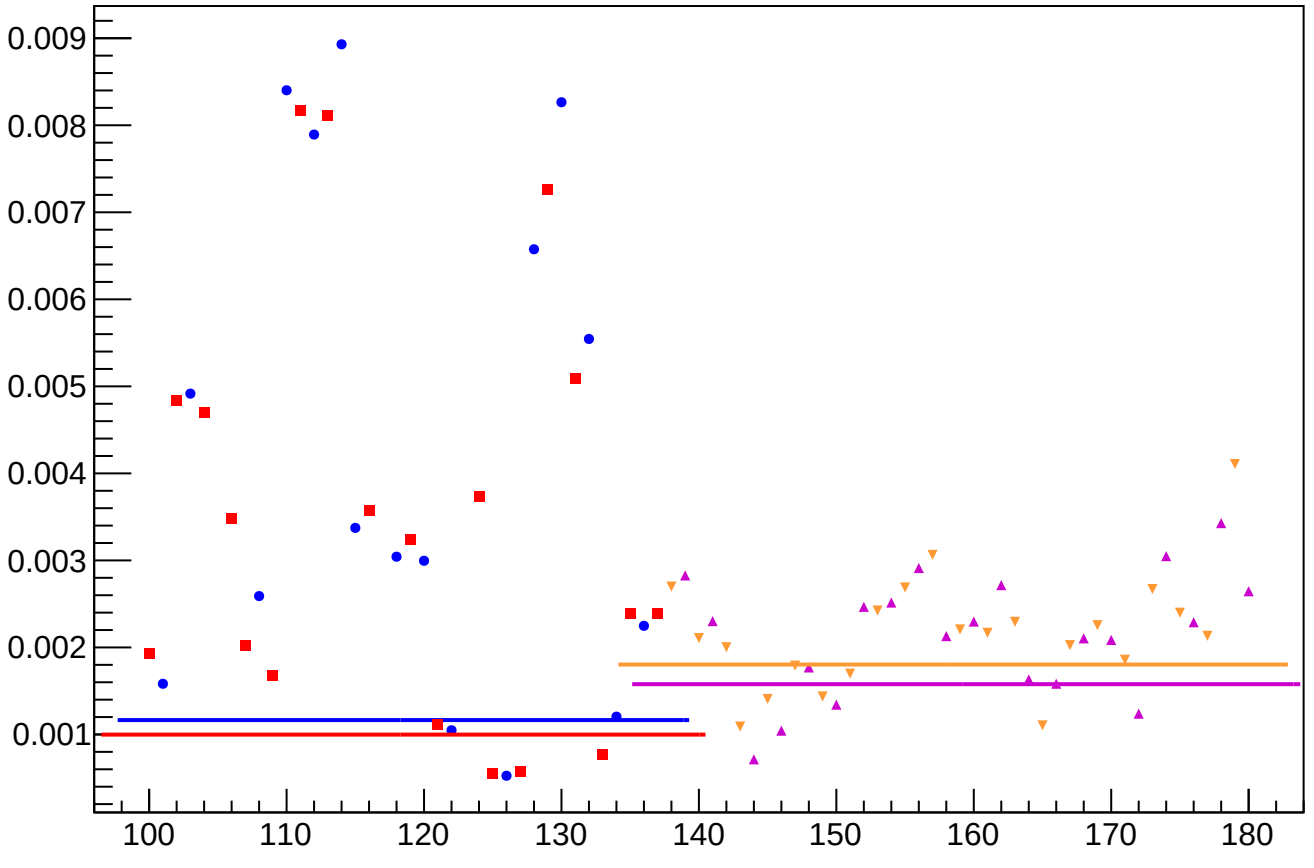
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.141+/-0.004 χ^2/NDF:2728946.6/36

Out: 28.925+/-0.004 χ^2/NDF:3423499.4/40

All: 29.031+/-0.003 χ^2/NDF: 6153679.5/77


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.1/15
Left Out: 0.000+/-0.000 χ²/NDF:48.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: 0.000+/-0.000 χ²/NDF:30.7/20
Left: 0.000+/-0.000 χ²/NDF: 79.6/42
Right: -0.000+/-0.000 χ²/NDF: 24.6/34
In: 0.000+/-0.000 χ²/NDF:44.2/36
Out: 0.000+/-0.000 χ²/NDF:61.1/40
All: 0.000+/-0.000 χ²/NDF: 105.3/77



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3260827.9/21

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5691782.0/20

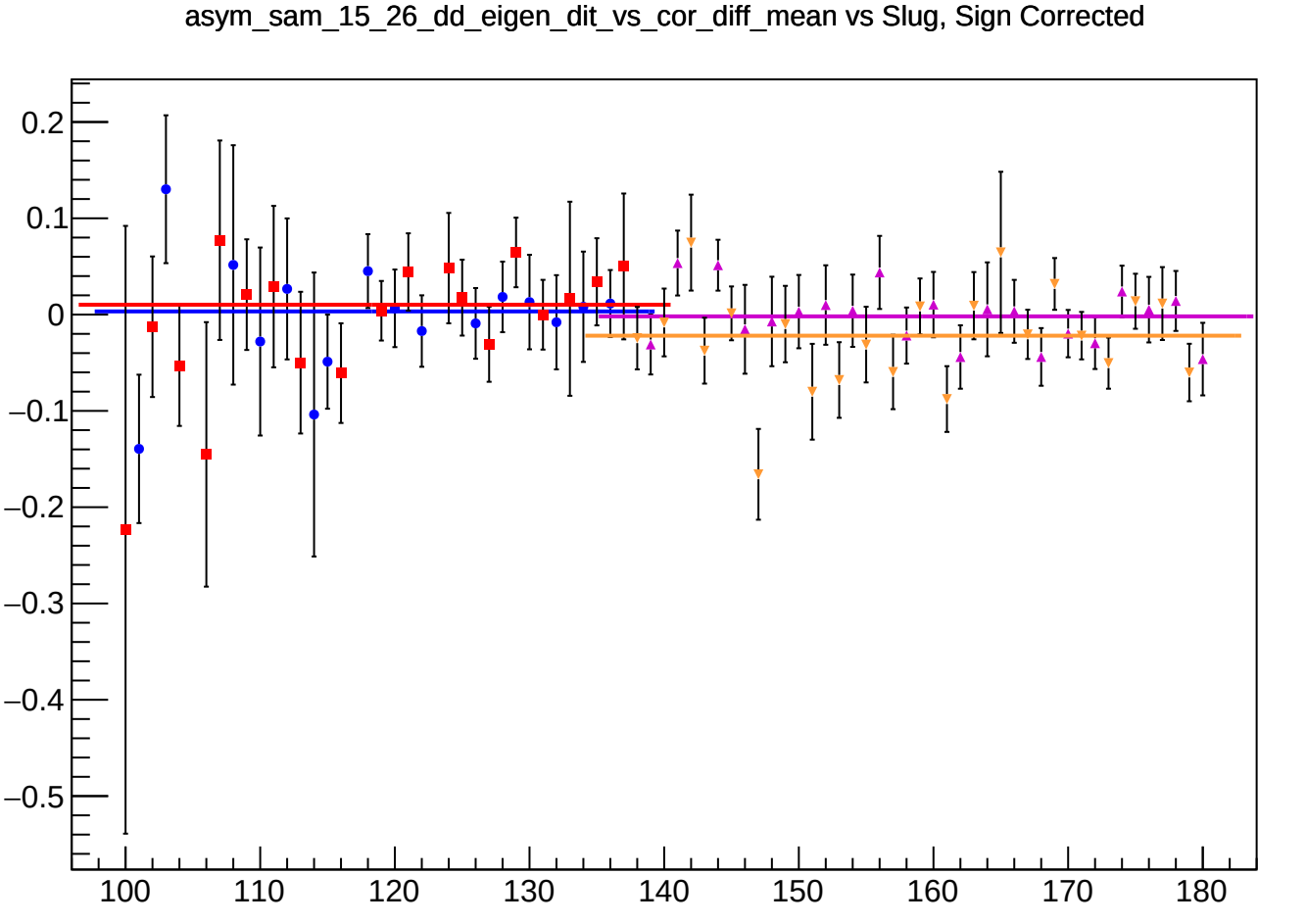
Left: 0.002+/-0.000 χ^2/NDF: 9211486.0/42

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:13178759.5/36

Out: 0.001+/-0.000 χ^2/NDF:12889706.1/40

All: 0.001+/-0.000 χ^2/NDF: 26069668.7/77



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.002+/-0.007 χ^2/NDF:17.8/20

Left: -0.012+/-0.005 χ^2/NDF: 55.5/42

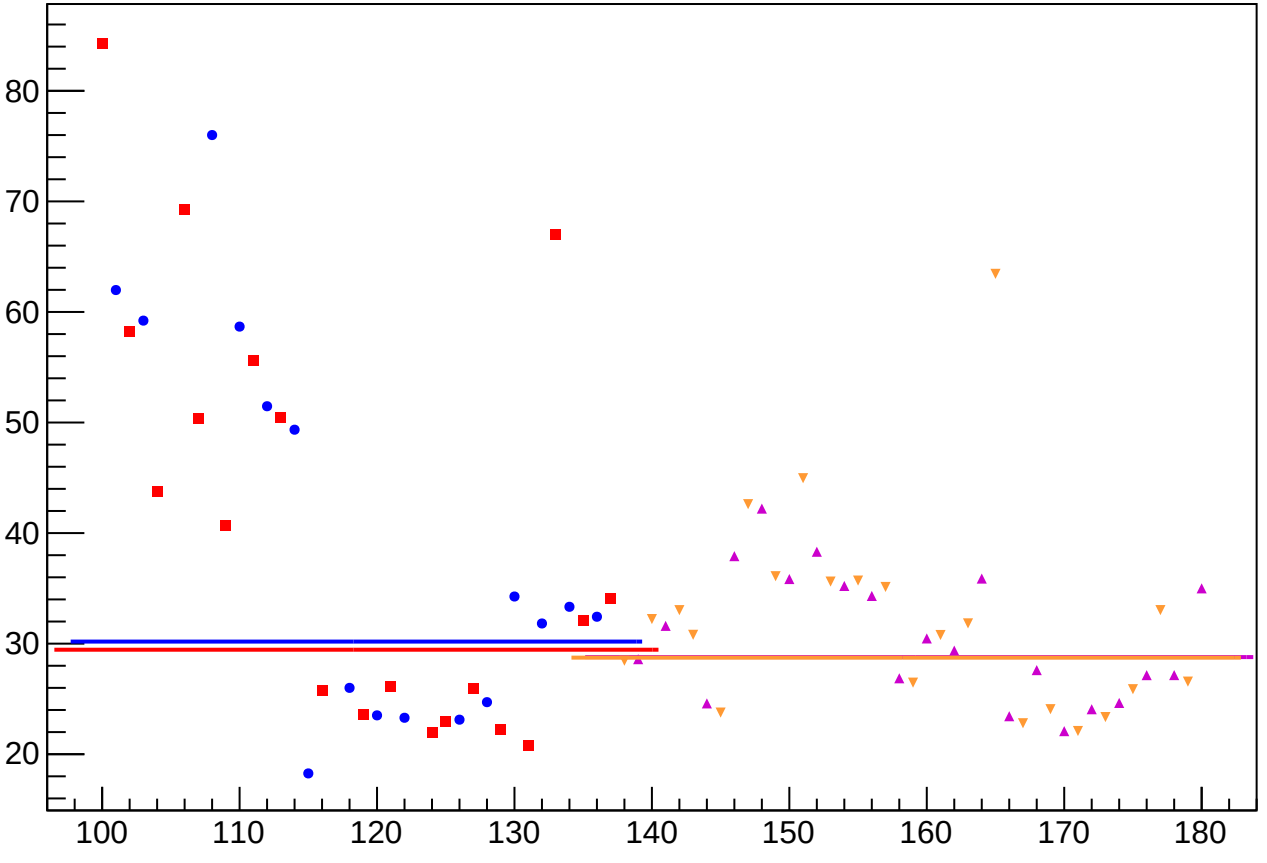
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.006 χ^2/NDF:28.0/36

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 80.7/77

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.784+/-0.005 χ^2/NDF:1022105.5/20

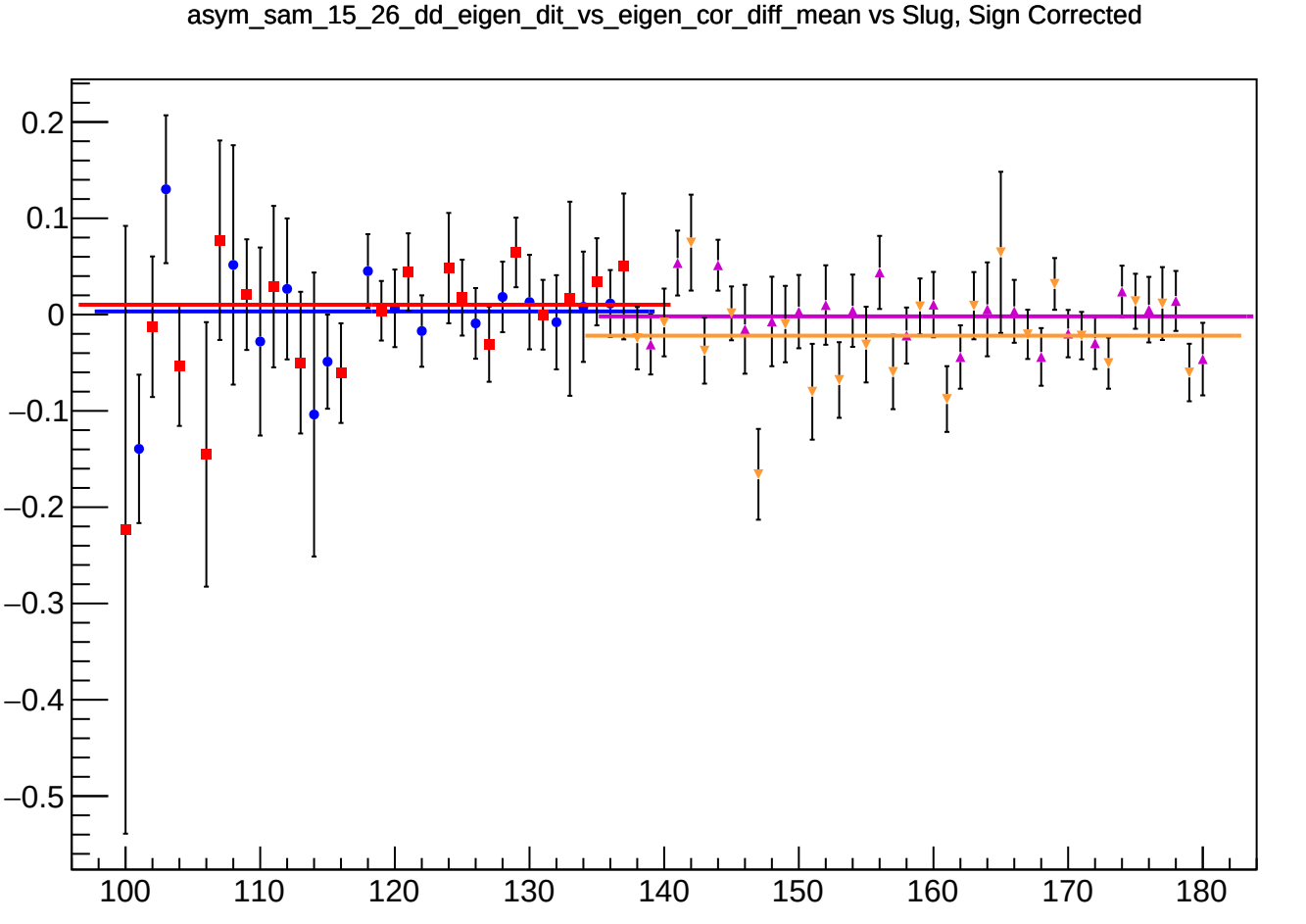
Left: 28.759+/-0.004 χ^2/NDF: 2591580.3/42

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.141+/-0.004 χ^2/NDF:2728738.6/36

Out: 28.925+/-0.004 χ^2/NDF:3423454.9/40

All: 29.031+/-0.003 χ^2/NDF: 6153430.4/77



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.002+/-0.007 χ^2/NDF:17.8/20

Left: -0.012+/-0.005 χ^2/NDF: 55.5/42

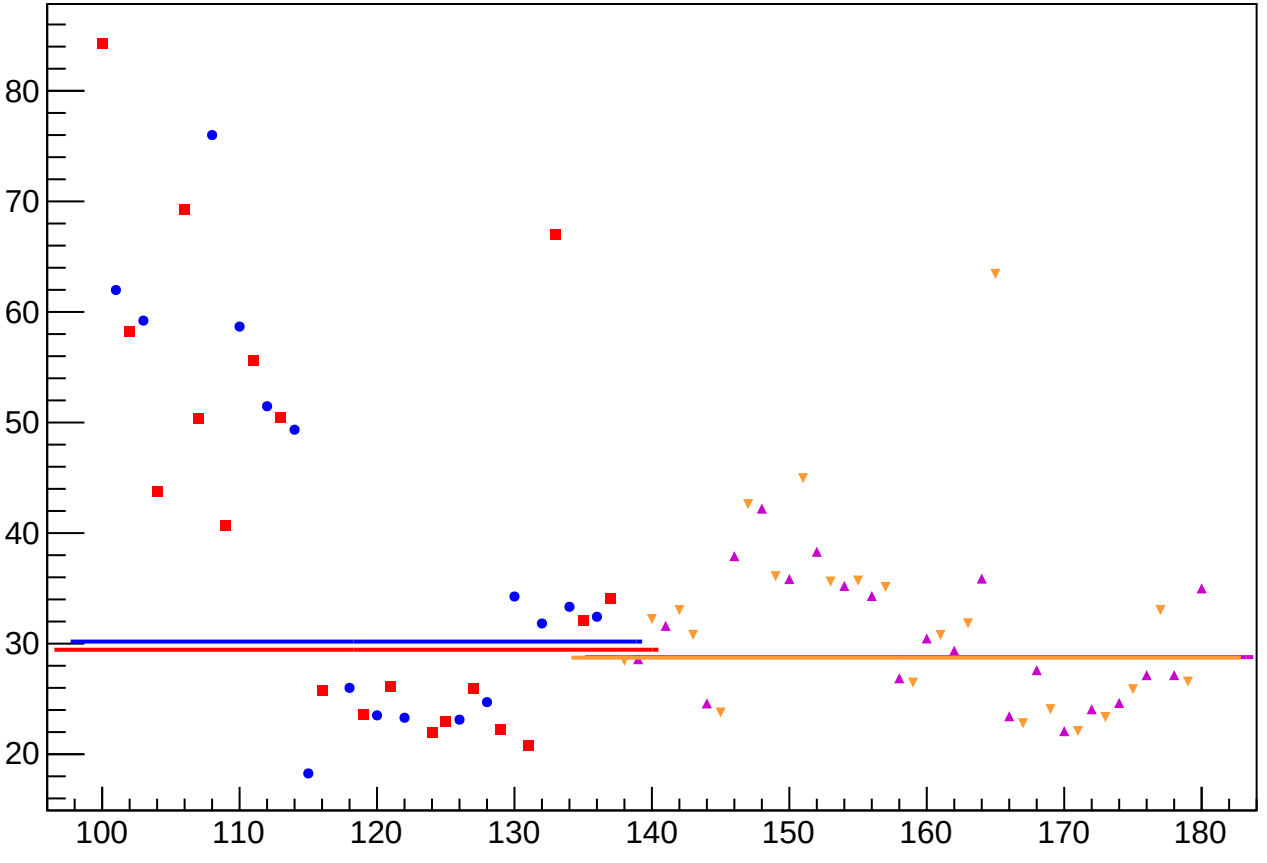
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.001+/-0.006 χ^2/NDF:28.0/36

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 80.7/77

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.784+/-0.005 χ^2/NDF:1022105.5/20

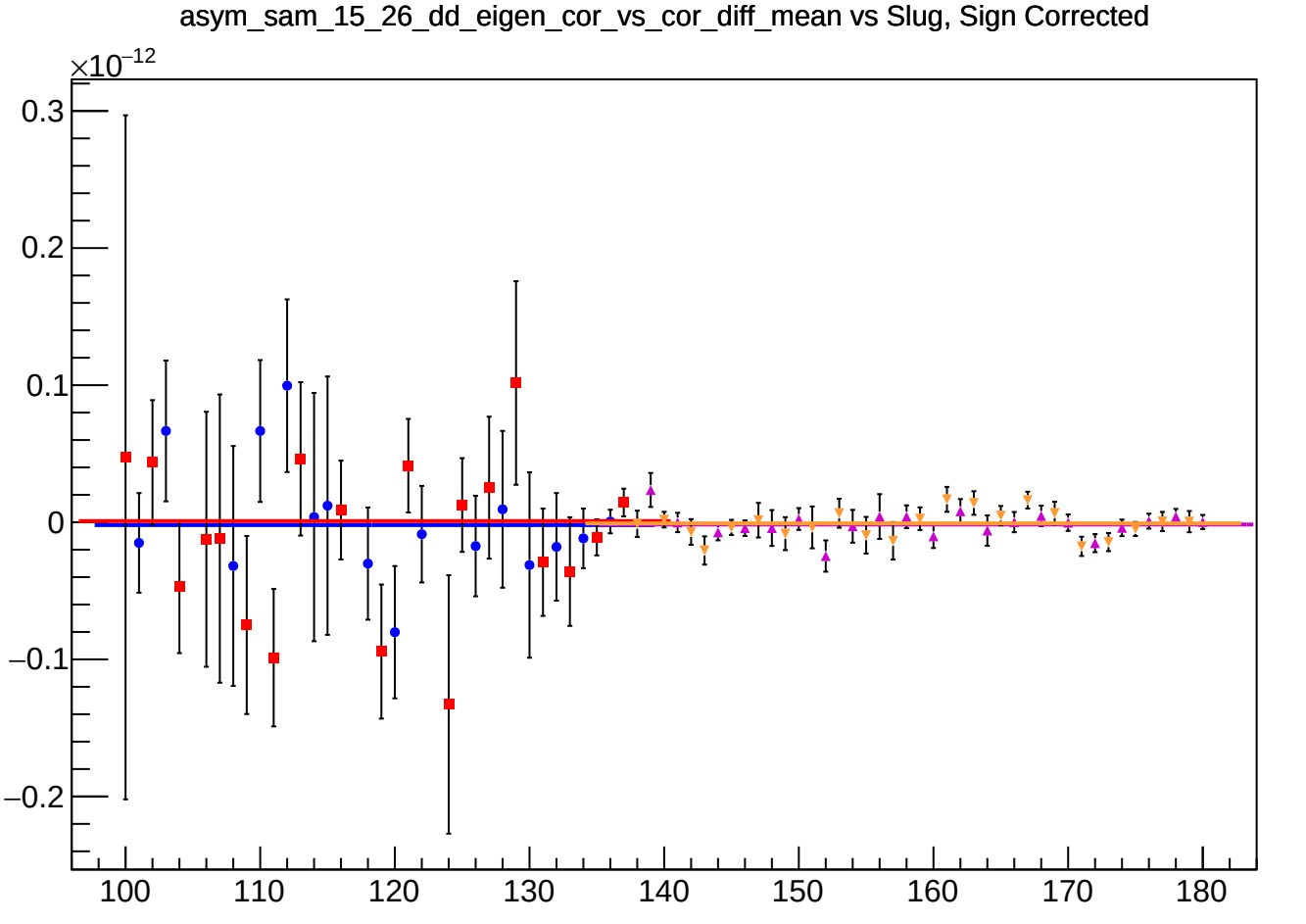
Left: 28.759+/-0.004 χ^2/NDF: 2591580.3/42

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.141+/-0.004 χ^2/NDF:2728738.6/36

Out: 28.925+/-0.004 χ^2/NDF:3423454.9/40

All: 29.031+/-0.003 χ^2/NDF: 6153430.4/77



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/20

Left: -0.000+/-0.000 χ^2/NDF: 52.8/42

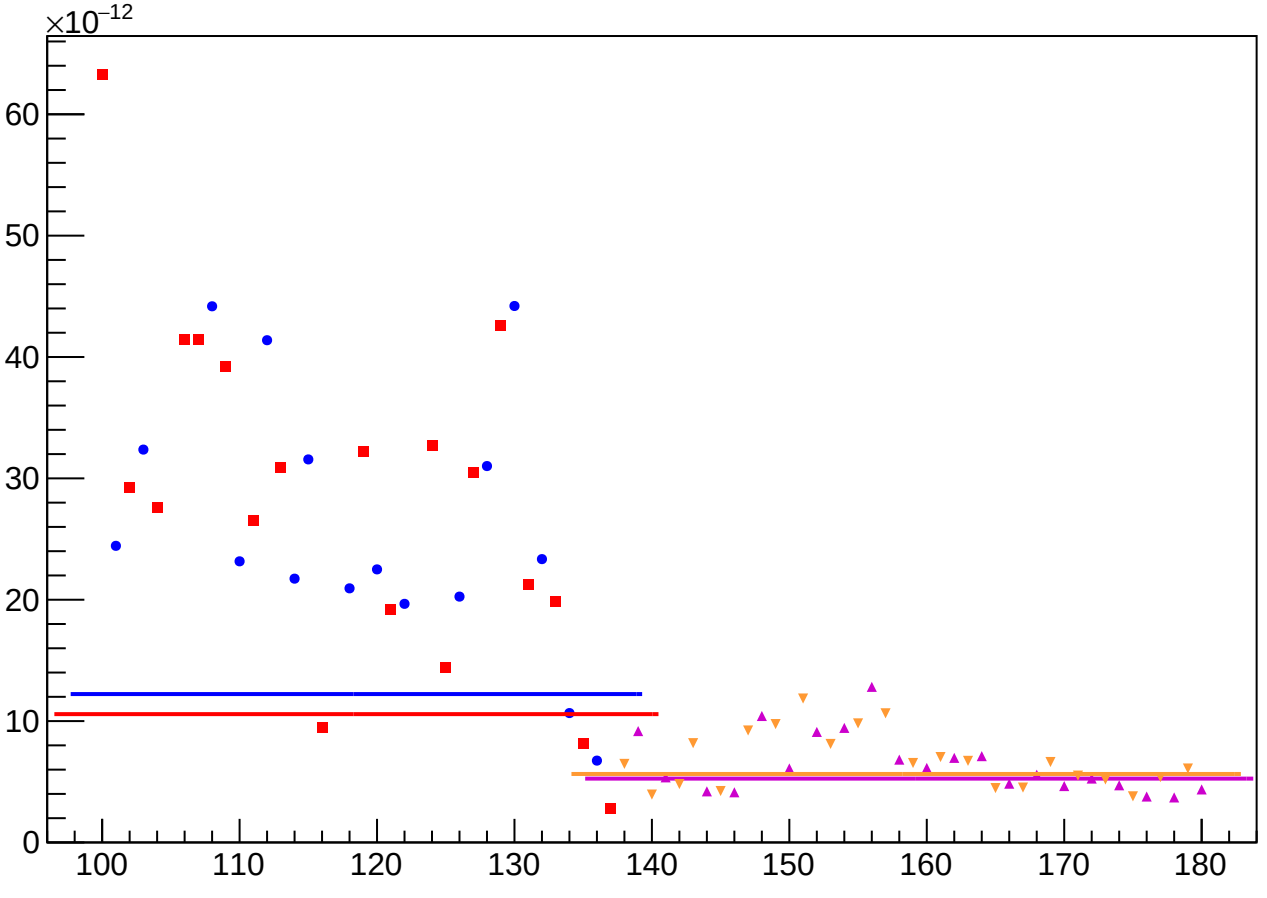
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.6/36

Out: -0.000+/-0.000 χ^2/NDF:54.9/40

All: -0.000+/-0.000 χ^2/NDF: 84.7/77

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:2289653.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2198538.9/20

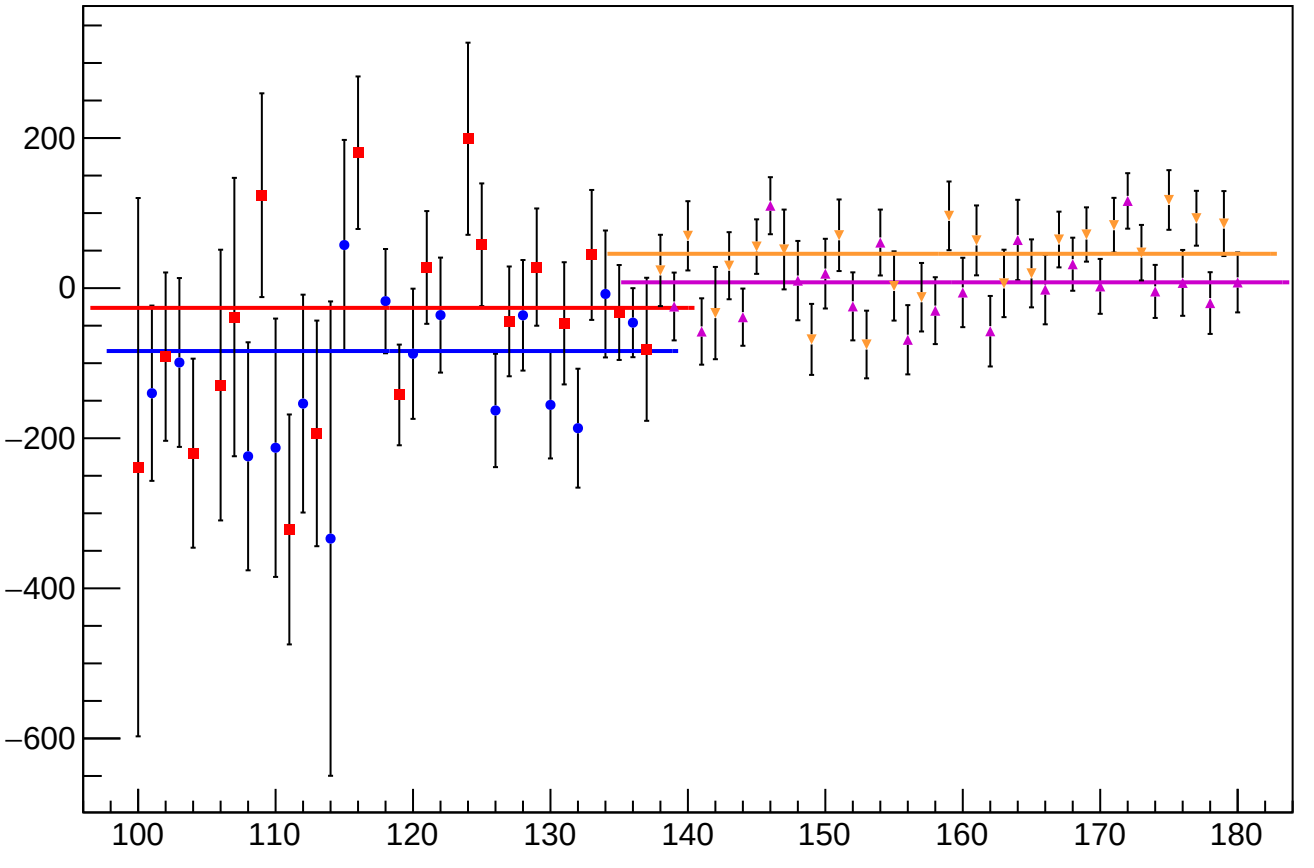
Left: 0.000+/-0.000 χ^2/NDF: 4542564.2/42

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:7615661.7/36

Out: 0.000+/-0.000 χ^2/NDF:8090056.6/40

All: 0.000+/-0.000 χ^2/NDF: 15745288.8/77



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.773+/-9.156 χ^2/NDF:28.2/21

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 7.755+/-9.231 χ^2/NDF:29.7/20

Left: 26.919+/-6.500 χ^2/NDF: 66.5/42

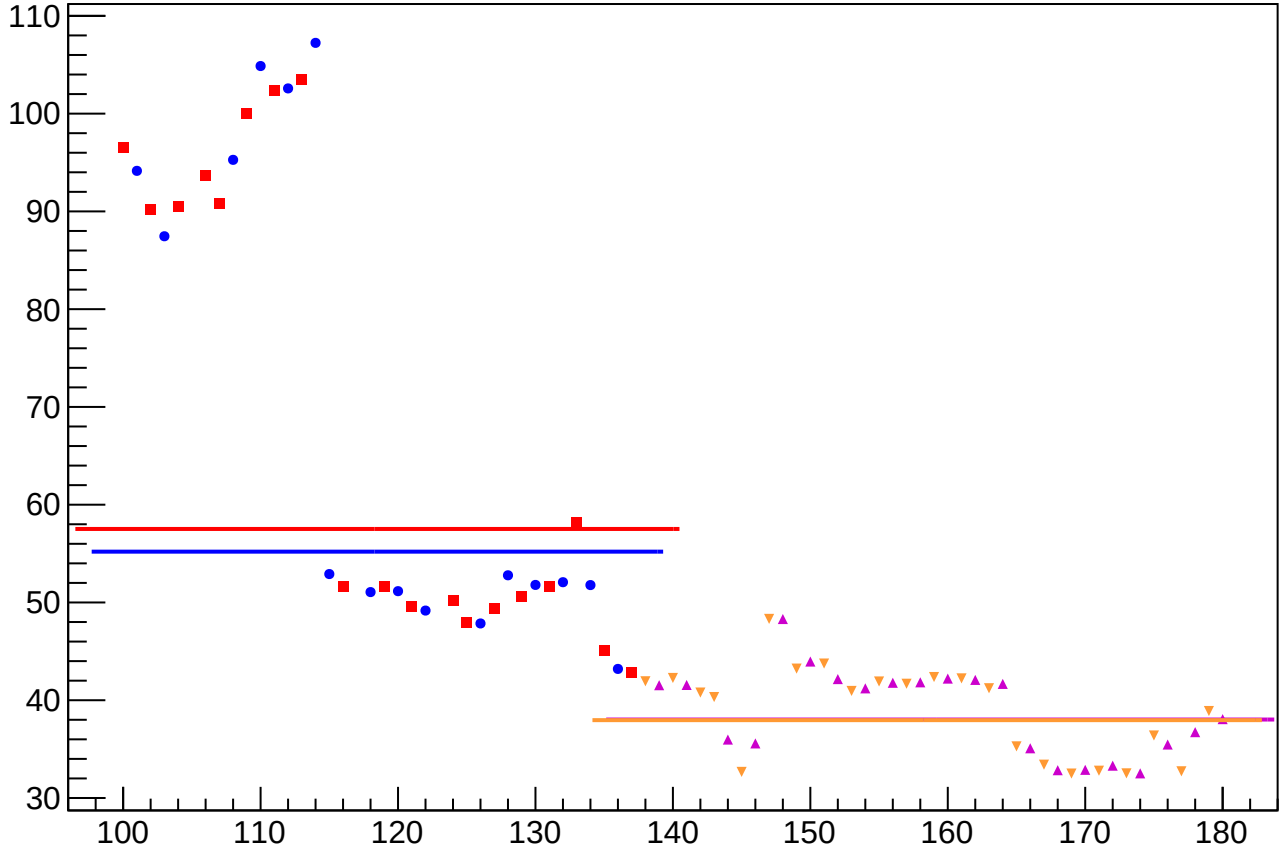
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -6.569+/-8.478 χ^2/NDF:55.7/36

Out: 35.188+/-8.457 χ^2/NDF:60.3/40

All: 14.362+/-5.987 χ^2/NDF: 128.1/77

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: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.6/20

Left: 37.994+/-0.005 χ^2/NDF: 931593.1/42

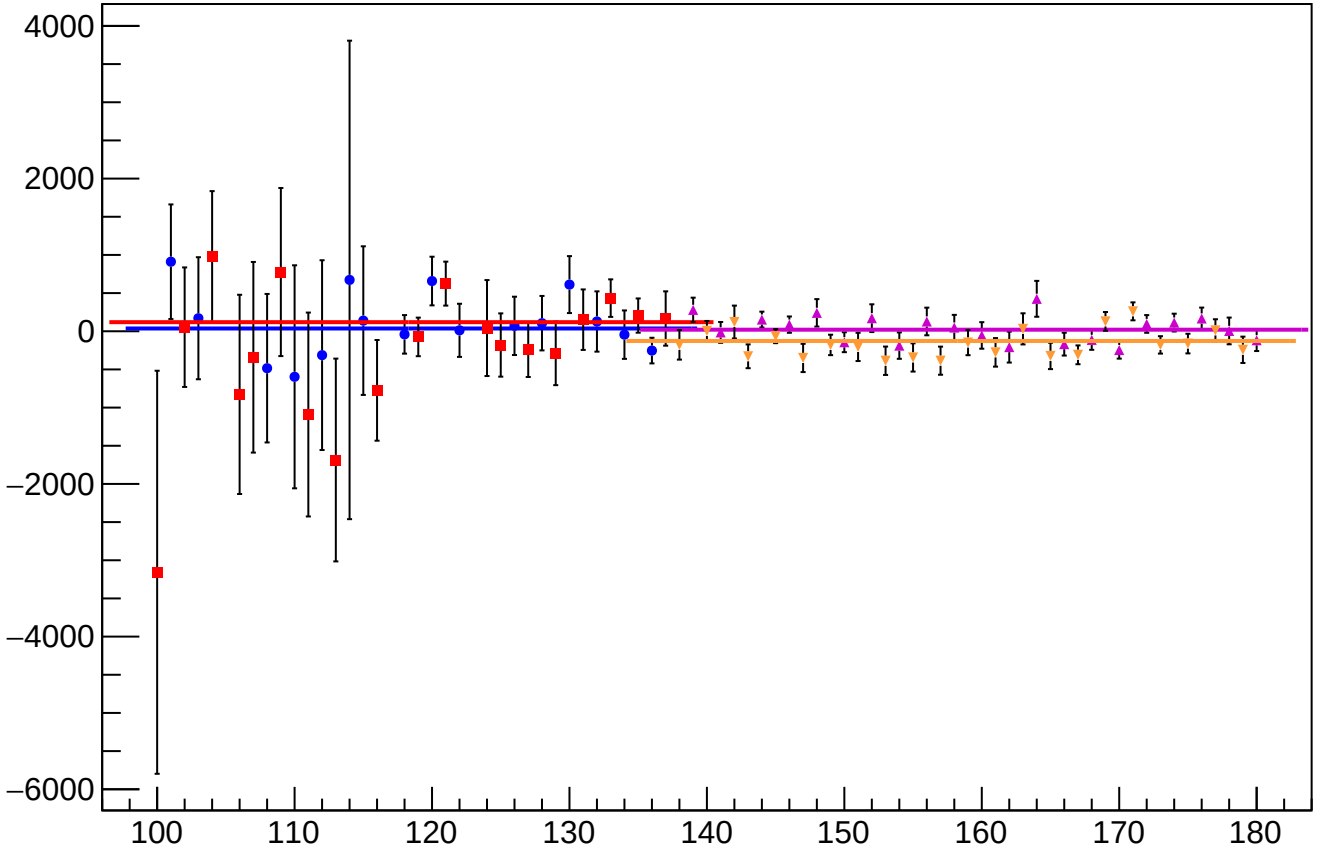
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.712+/-0.006 χ^2/NDF:2658789.7/36

Out: 40.835+/-0.006 χ^2/NDF:3130066.4/40

All: 40.774+/-0.004 χ^2/NDF: 5789065.7/77

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: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 20.541+/-31.145 χ^2/NDF:26.0/20

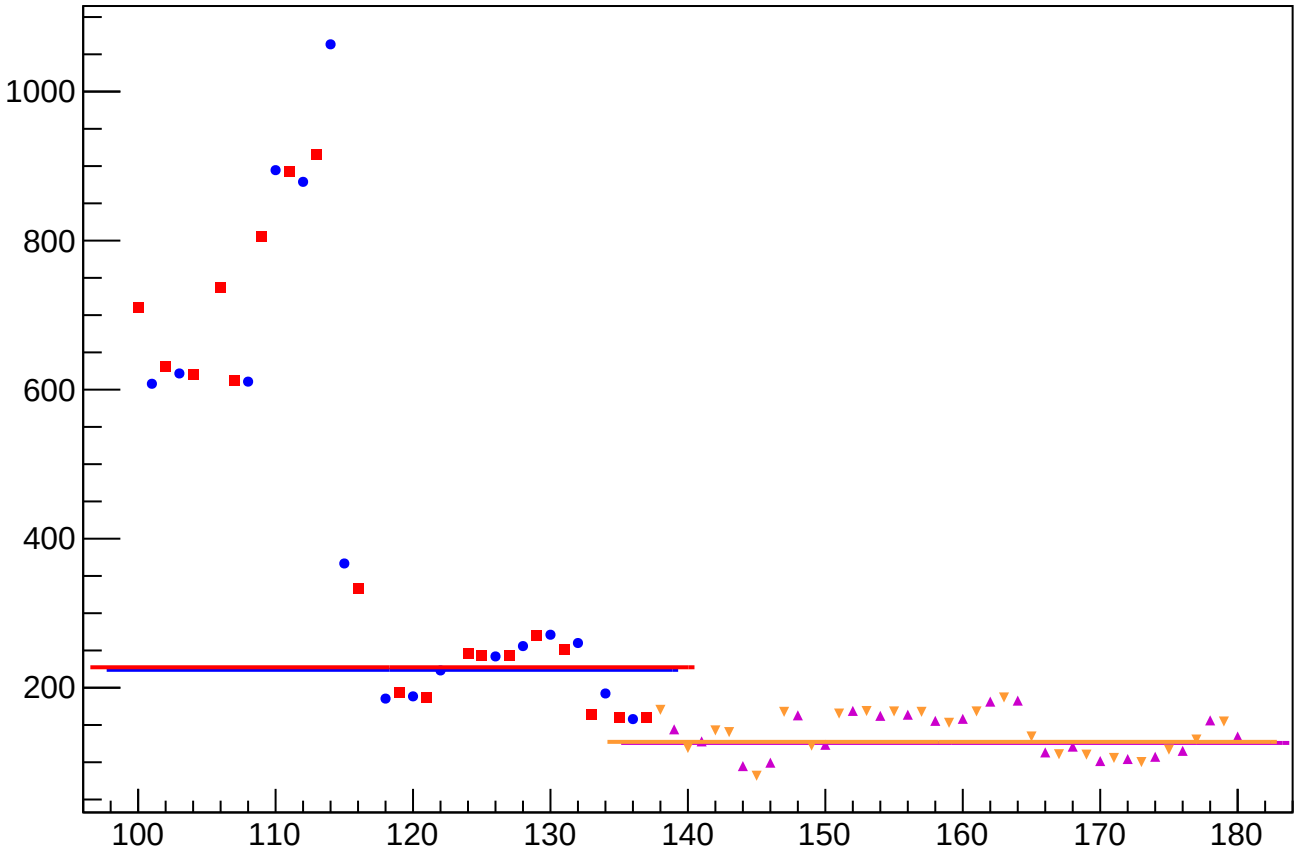
Left: -52.729+/-22.111 χ^2/NDF: 70.4/42

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 22.115+/-29.551 χ^2/NDF:37.4/36

Out: -103.309+/-29.836 χ^2/NDF:55.2/40

All: -39.993+/-20.996 χ^2/NDF: 101.6/77



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734386.5/21

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 125.908+/-0.022 χ^2/NDF:1410188.9/20

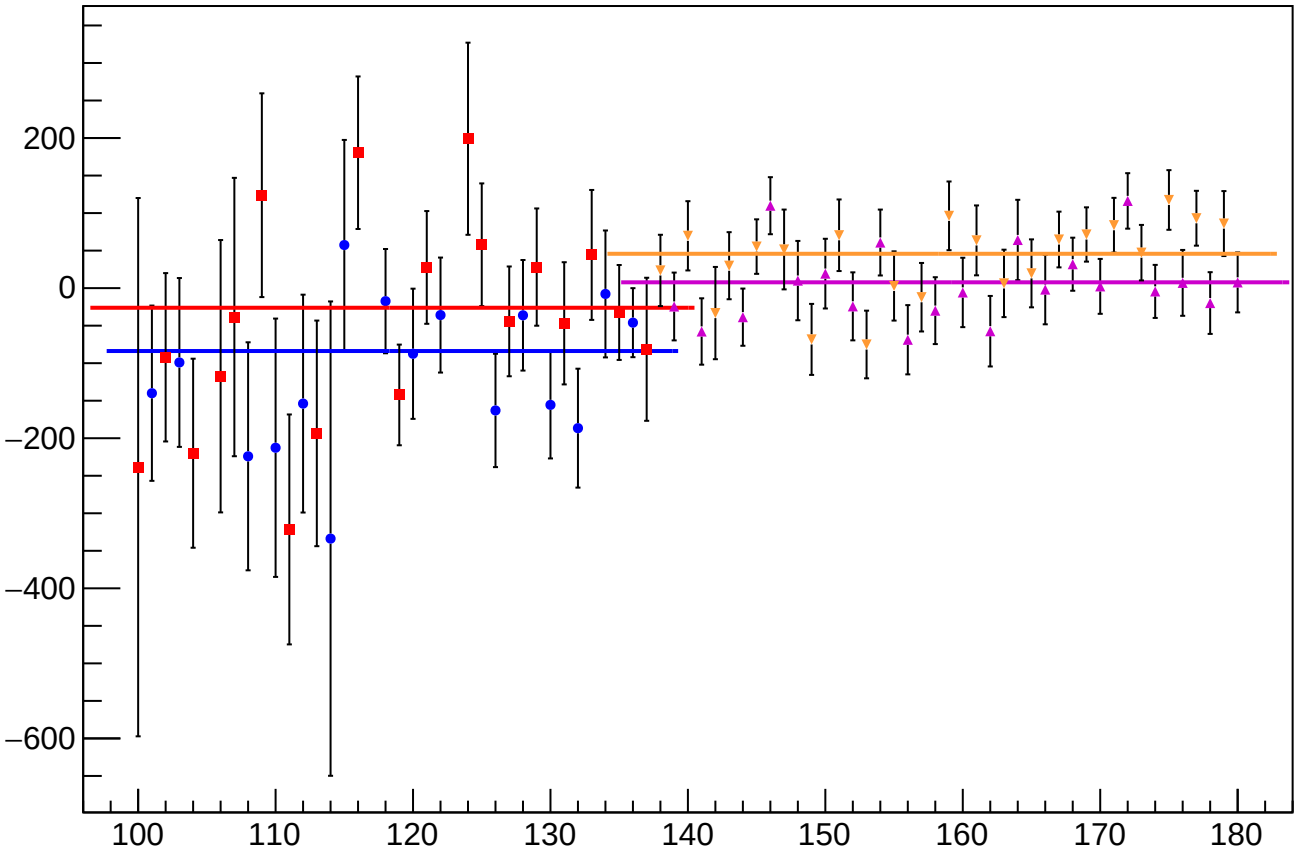
Left: 126.630+/-0.016 χ^2/NDF: 3146746.5/42

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.697+/-0.021 χ^2/NDF:6358960.4/36

Out: 137.066+/-0.021 χ^2/NDF:7345010.5/40

All: 136.375+/-0.015 χ^2/NDF: 13706097.1/77



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 7.756+/-9.231 χ^2/NDF:29.7/20

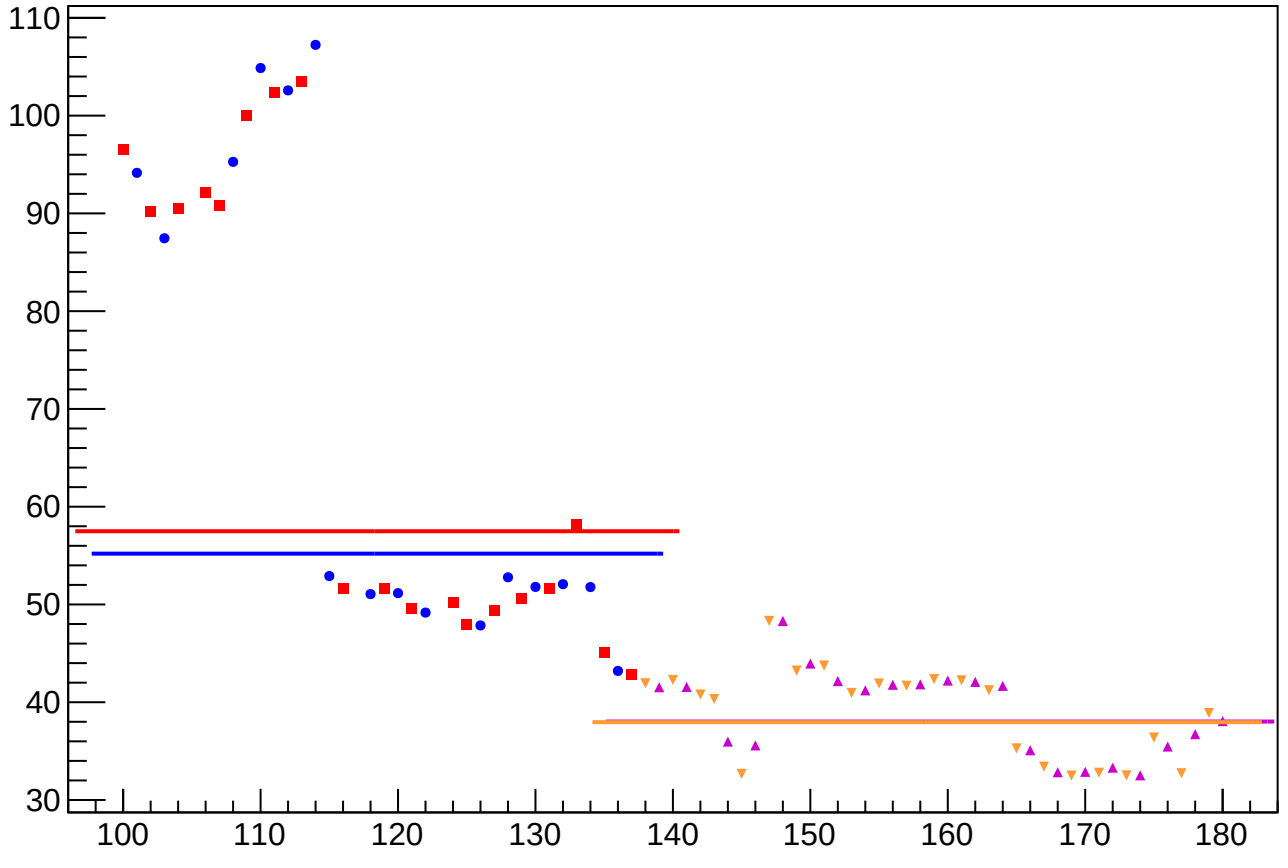
Left: 26.920+/-6.500 χ^2/NDF: 66.5/42

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.568+/-8.478 χ^2/NDF:55.7/36

Out: 35.214+/-8.457 χ^2/NDF:60.2/40

All: 14.375+/-5.987 χ^2/NDF: 128.0/77



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

Left: 37.994+/-0.005 χ^2/NDF: 931593.1/42

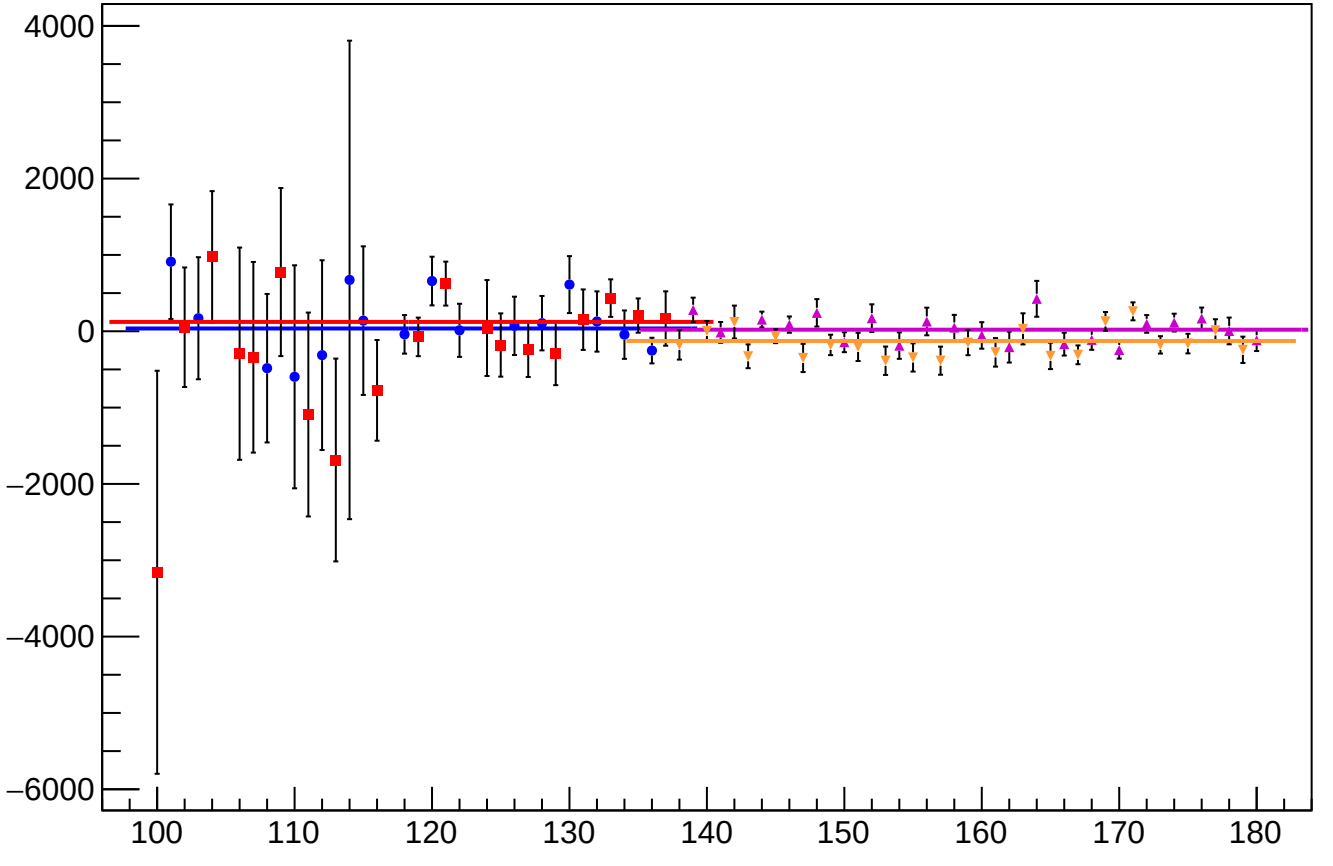
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.712+/-0.006 χ^2/NDF:2658790.0/36

Out: 40.830+/-0.006 χ^2/NDF:3118487.2/40

All: 40.771+/-0.004 χ^2/NDF: 5777470.9/77

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: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.541+/-31.145 χ^2/NDF:26.0/20

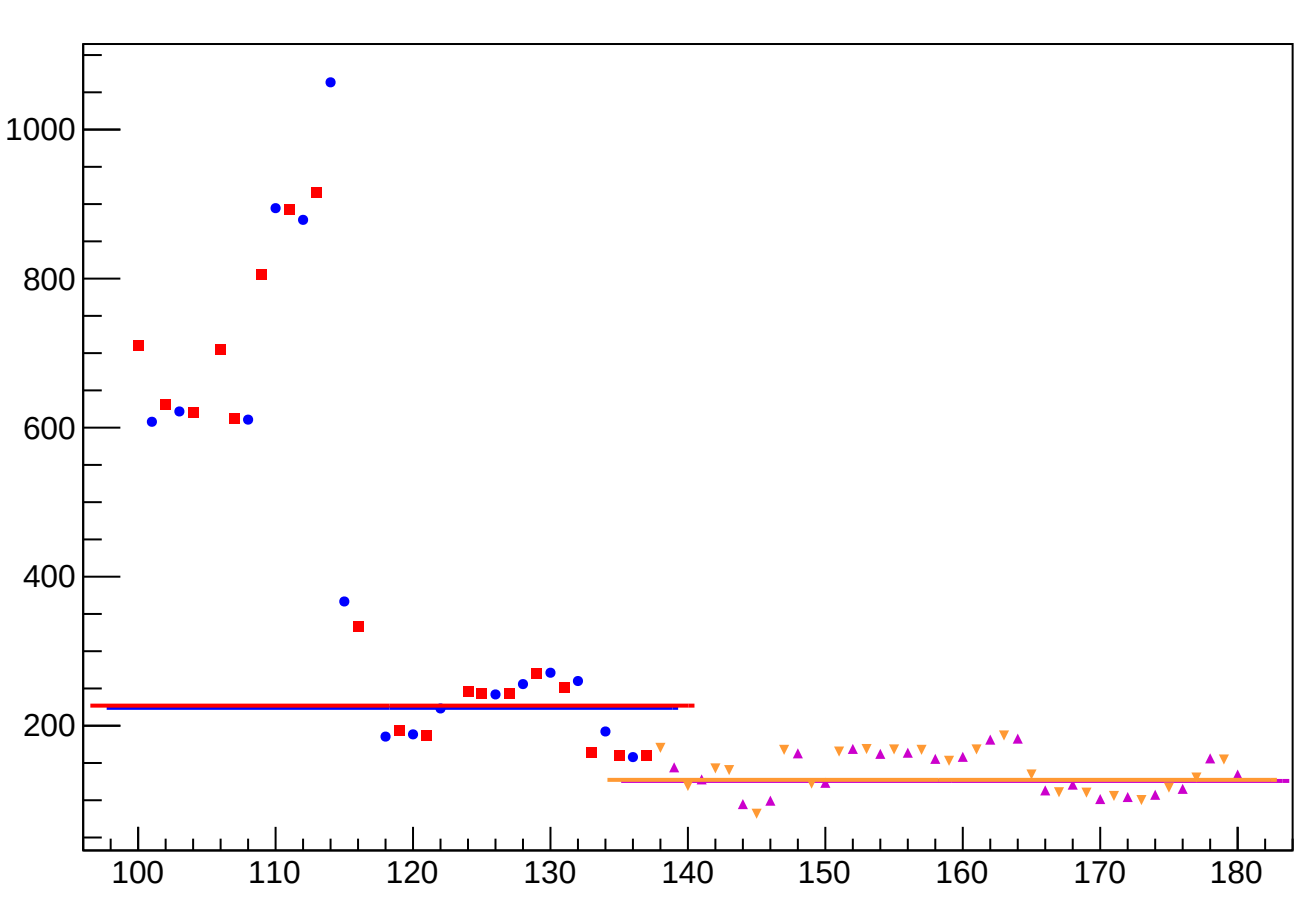
Left: -52.729+/-22.111 χ^2/NDF: 70.4/42

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.116+/-29.551 χ^2/NDF:37.4/36

Out: -103.021+/-29.837 χ^2/NDF:54.9/40

All: -39.849+/-20.996 χ^2/NDF: 101.2/77



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

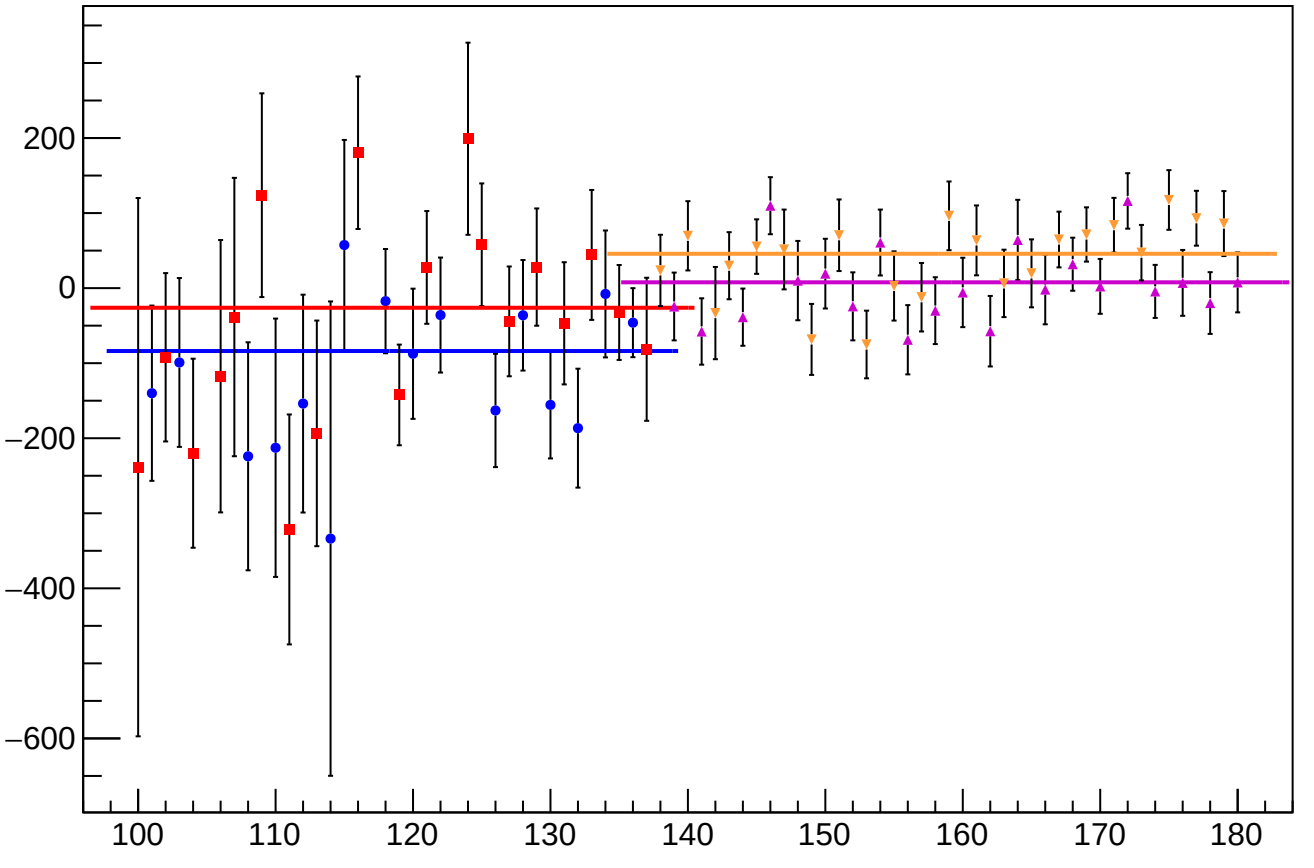
Left: 126.630+/-0.016 χ^2/NDF: 3146751.0/42

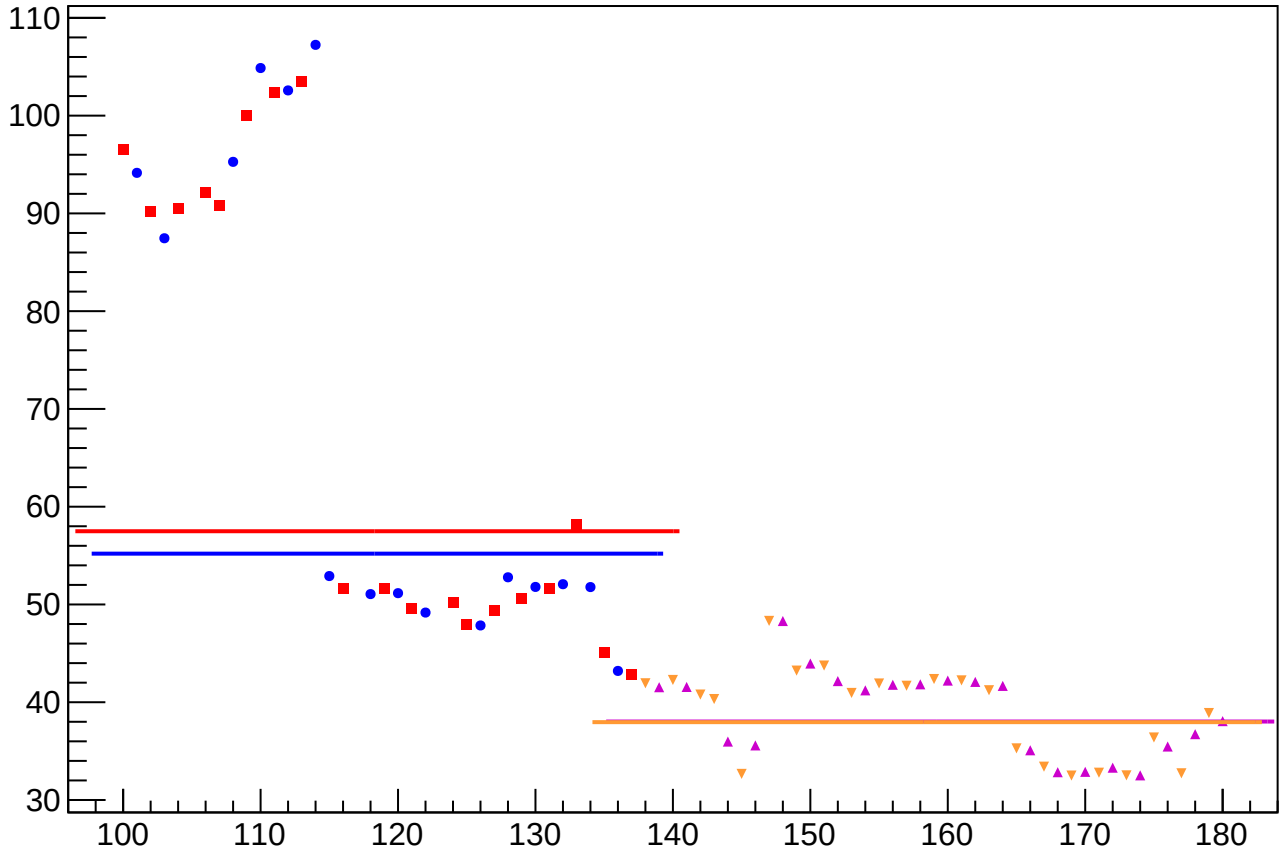
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.697+/-0.021 χ^2/NDF:6358980.0/36

Out: 137.014+/-0.021 χ^2/NDF:7256322.4/40

All: 136.349+/-0.015 χ^2/NDF: 13617269.8/77


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 45.774+/-9.156 χ²/NDF:28.2/21
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 7.756+/-9.231 χ²/NDF:29.7/20
Left: 26.920+/-6.500 χ²/NDF: 66.5/42
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -6.568+/-8.478 χ²/NDF:55.7/36
Out: 35.214+/-8.457 χ²/NDF:60.2/40
All: 14.375+/-5.987 χ²/NDF: 128.0/77



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.026+/-0.007 χ^2/NDF:423395.5/20

Left: 37.994+/-0.005 χ^2/NDF: 931593.1/42

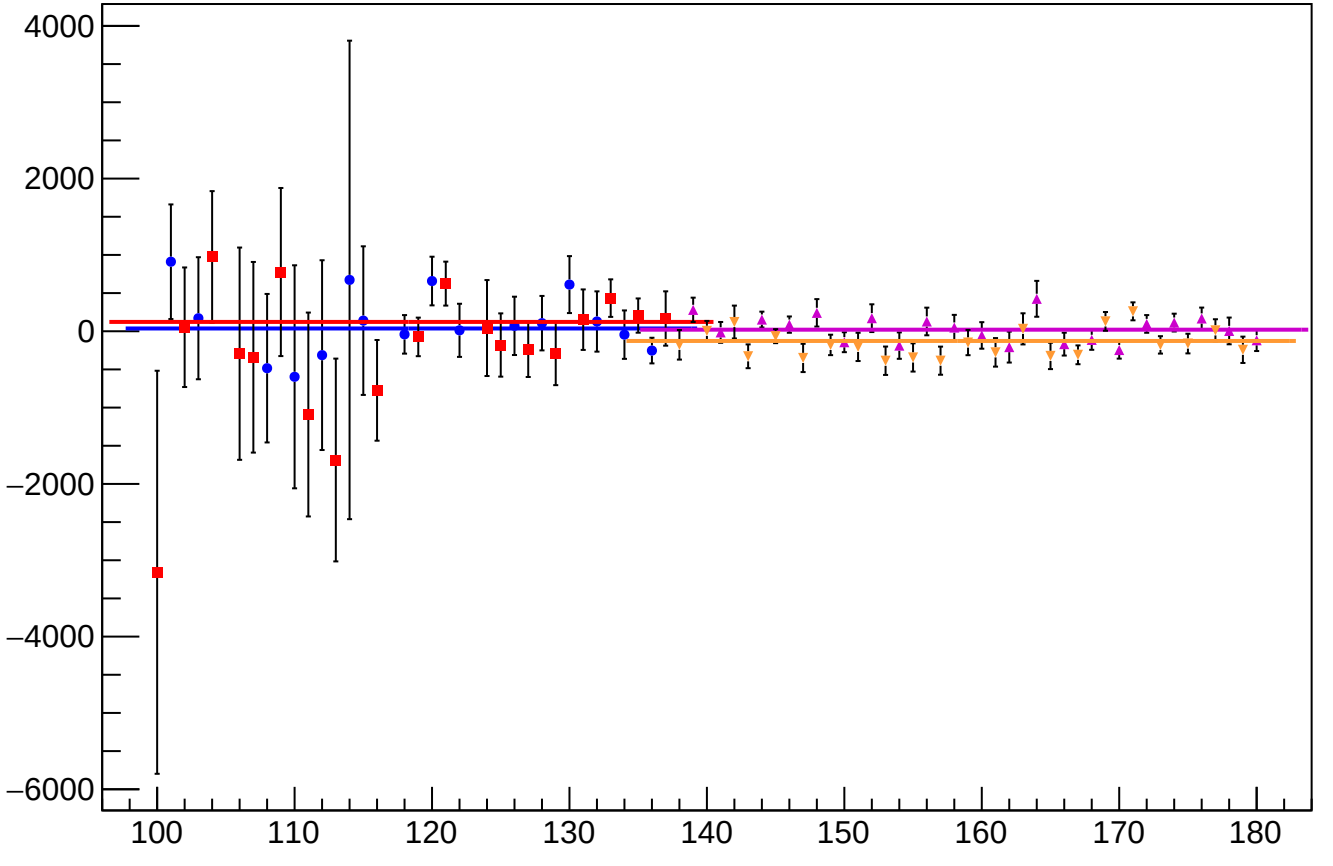
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.712+/-0.006 χ^2/NDF:2658790.0/36

Out: 40.830+/-0.006 χ^2/NDF:3118487.2/40

All: 40.771+/-0.004 χ^2/NDF: 5777470.9/77

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: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.541+/-31.145 χ^2/NDF:26.0/20

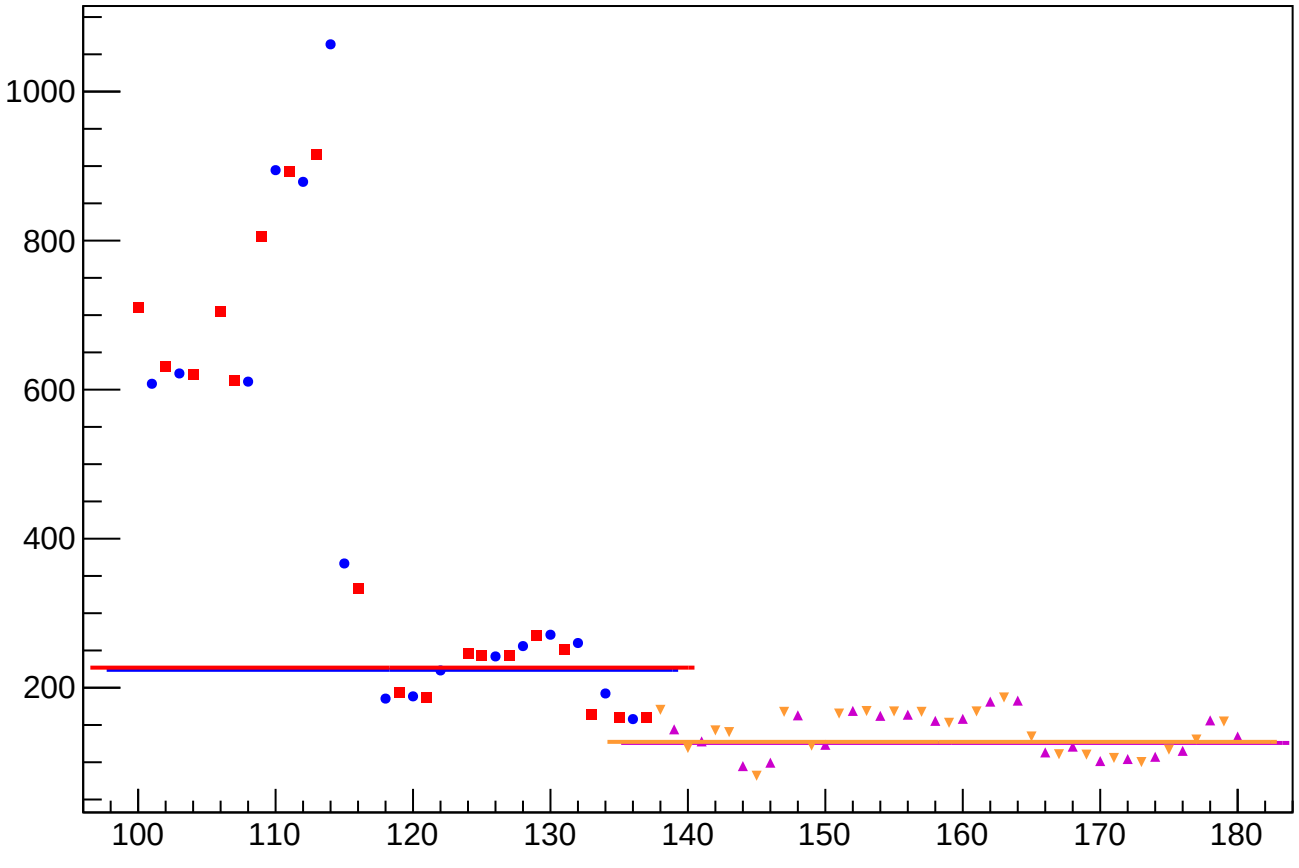
Left: -52.729+/-22.111 χ^2/NDF: 70.4/42

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.116+/-29.551 χ^2/NDF:37.4/36

Out: -103.021+/-29.837 χ^2/NDF:54.9/40

All: -39.849+/-20.996 χ^2/NDF: 101.2/77



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.908+/-0.022 χ^2/NDF:1410197.3/20

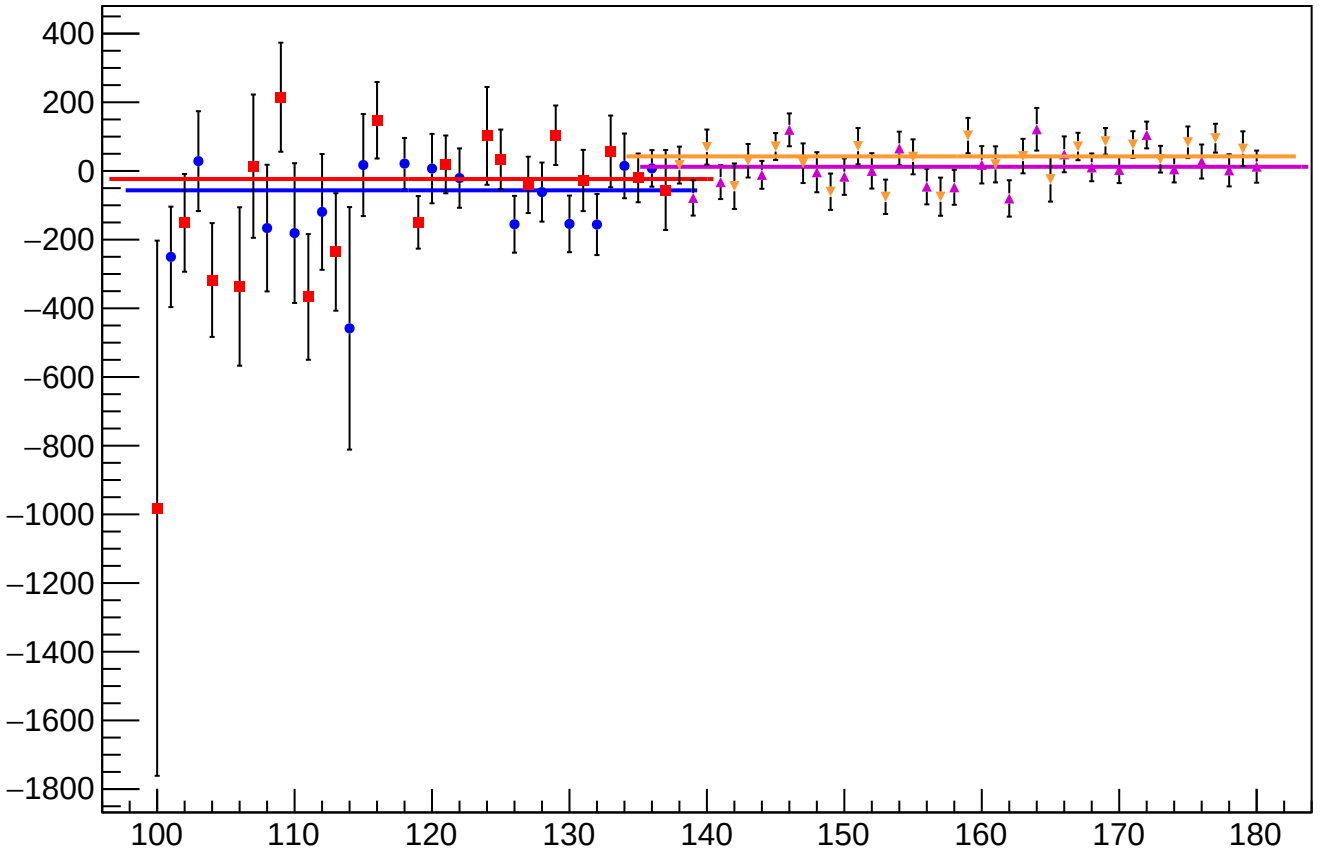
Left: 126.630+/-0.016 χ^2/NDF: 3146751.0/42

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.697+/-0.021 χ^2/NDF:6358980.0/36

Out: 137.014+/-0.021 χ^2/NDF:7256322.4/40

All: 136.349+/-0.015 χ^2/NDF: 13617269.8/77



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.385+/-10.221 χ^2/NDF:24.9/21

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.150+/-10.363 χ^2/NDF:26.0/20

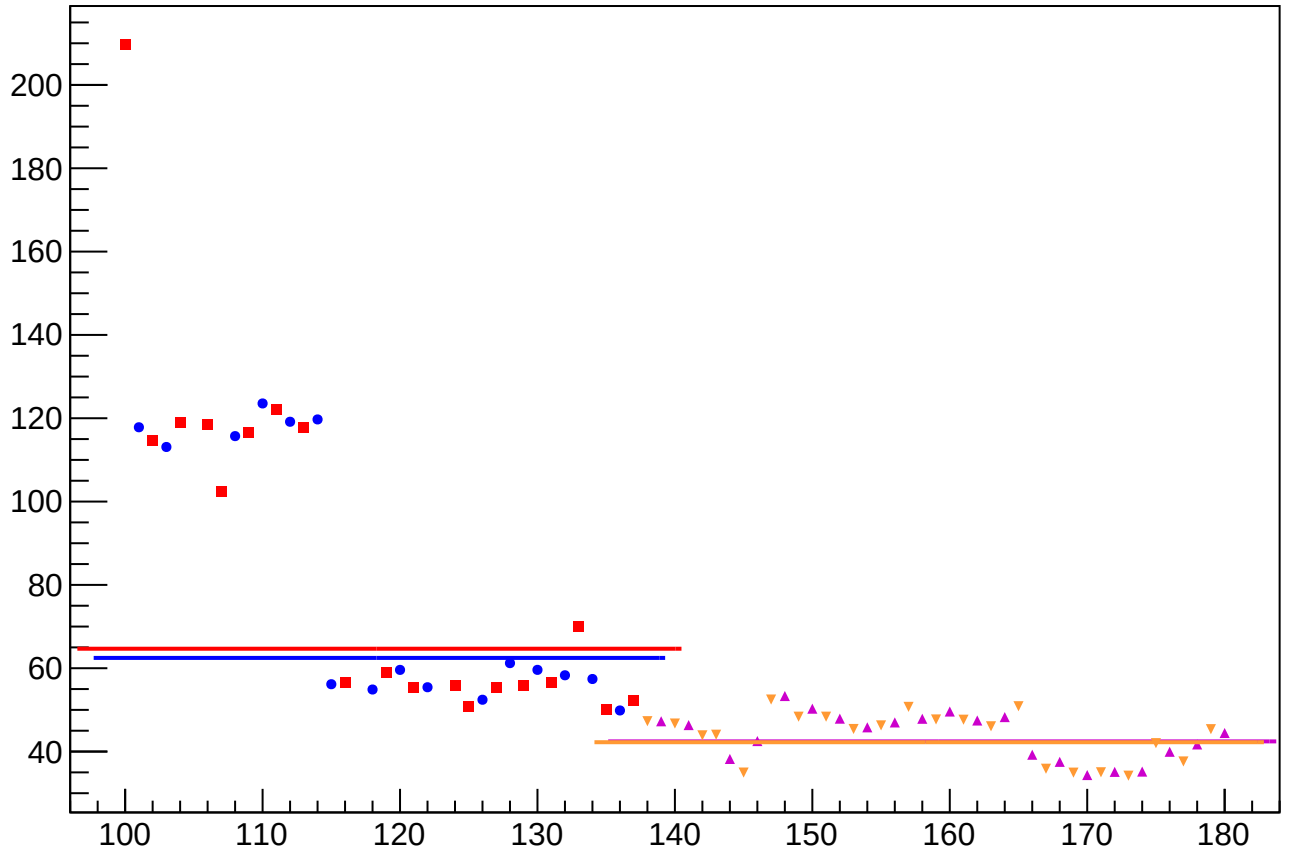
Left: 27.475+/-7.277 χ^2/NDF: 55.2/42

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.737+/-9.544 χ^2/NDF:44.9/36

Out: 33.052+/-9.470 χ^2/NDF:54.8/40

All: 17.516+/-6.722 χ^2/NDF: 105.2/77



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.240+/-0.007 χ^2/NDF:688374.2/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.439+/-0.007 χ^2/NDF:583212.4/20

Left: 42.338+/-0.005 χ^2/NDF: 1271960.4/42

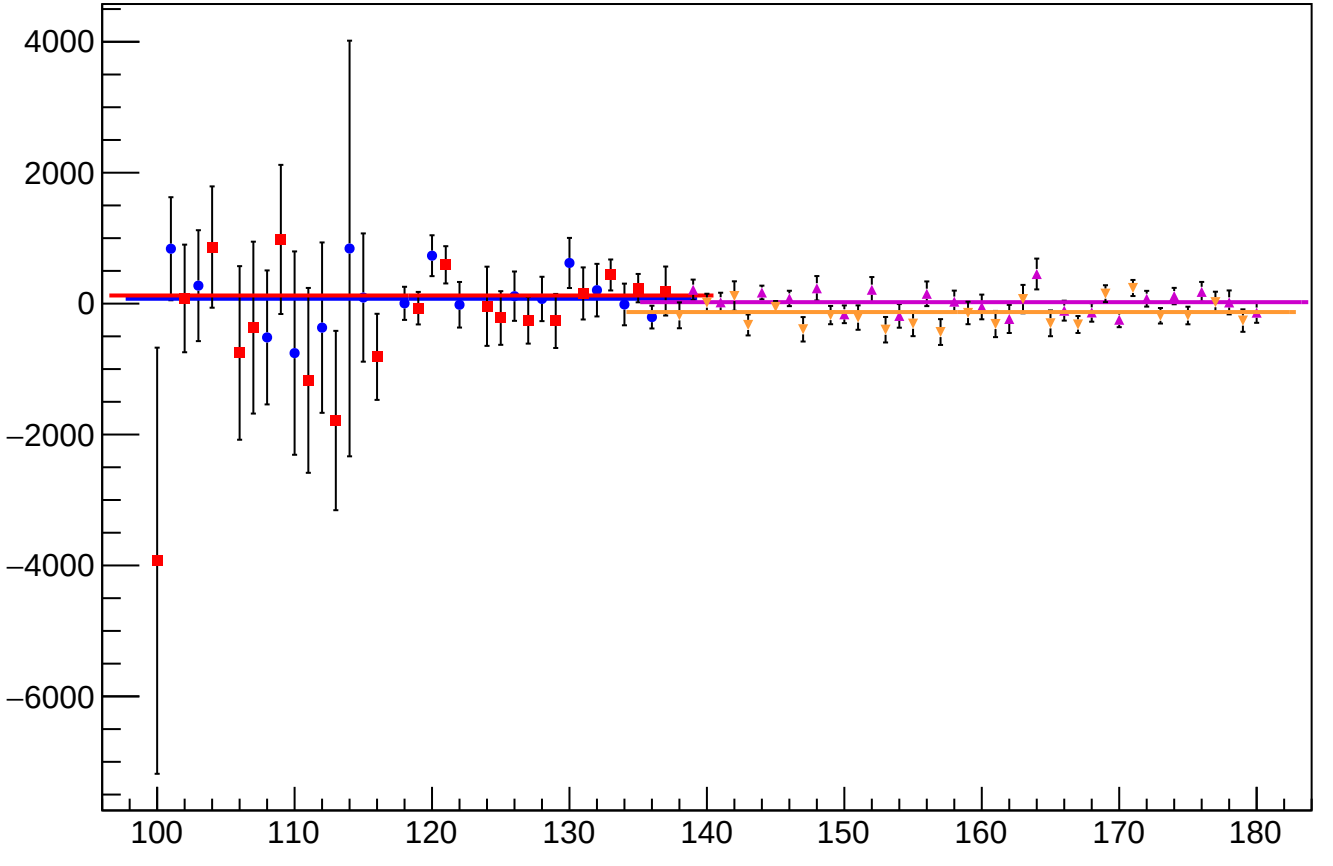
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.482+/-0.007 χ^2/NDF:3066781.6/36

Out: 45.419+/-0.007 χ^2/NDF:3644339.4/40

All: 45.450+/-0.005 χ^2/NDF: 6711164.8/77

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: -128.807+/-32.593 χ^2/NDF:32.2/21

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 22.224+/-32.594 χ^2/NDF:24.9/20

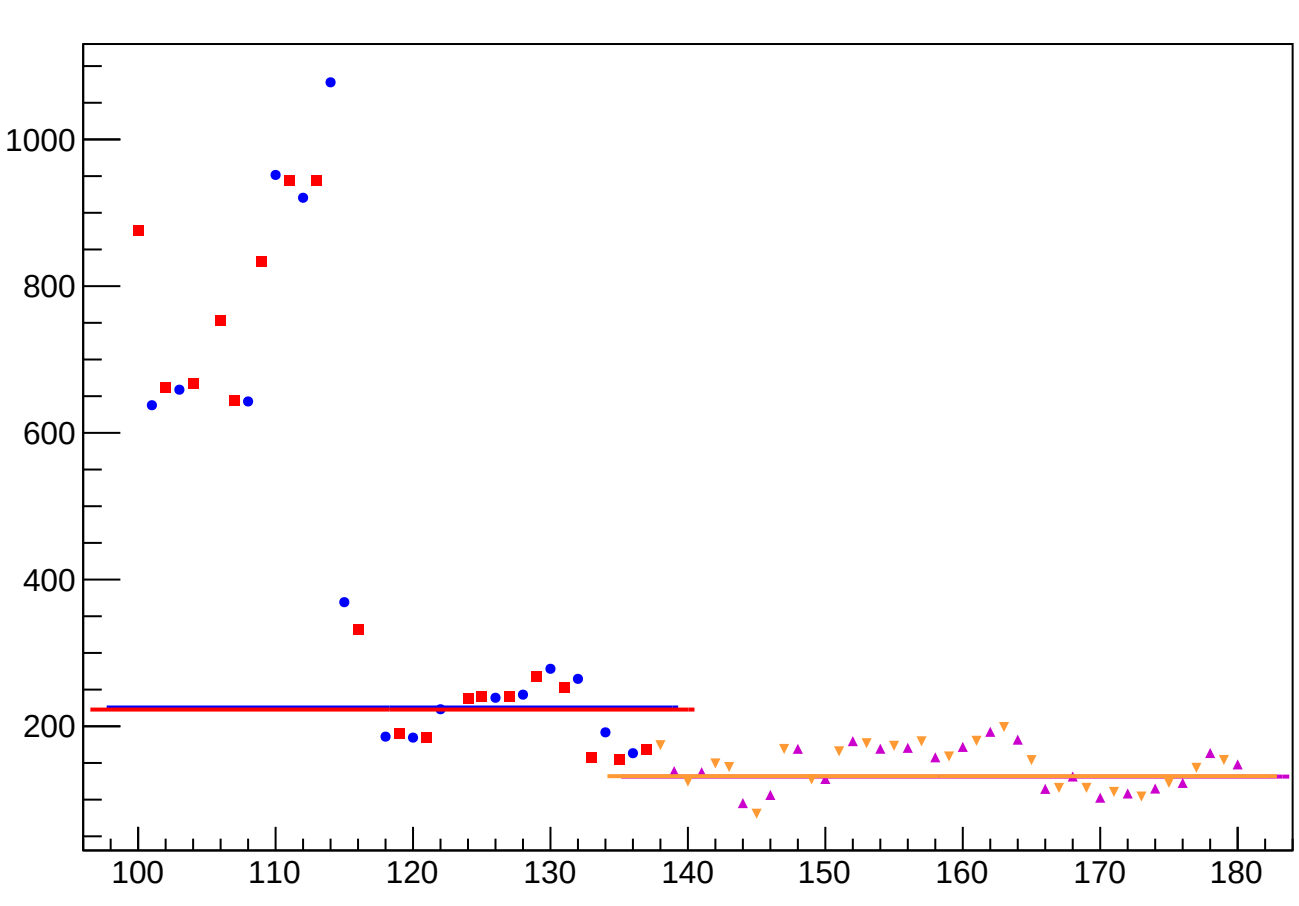
Left: -53.294+/-23.047 χ^2/NDF: 67.9/42

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 27.761+/-30.813 χ^2/NDF:36.4/36

Out: -101.993+/-30.818 χ^2/NDF:54.9/40

All: -37.105+/-21.790 χ^2/NDF: 100.2/77



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.985+/-0.023 χ^2/NDF:1896155.0/21

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 131.412+/-0.023 χ^2/NDF:1463419.2/20

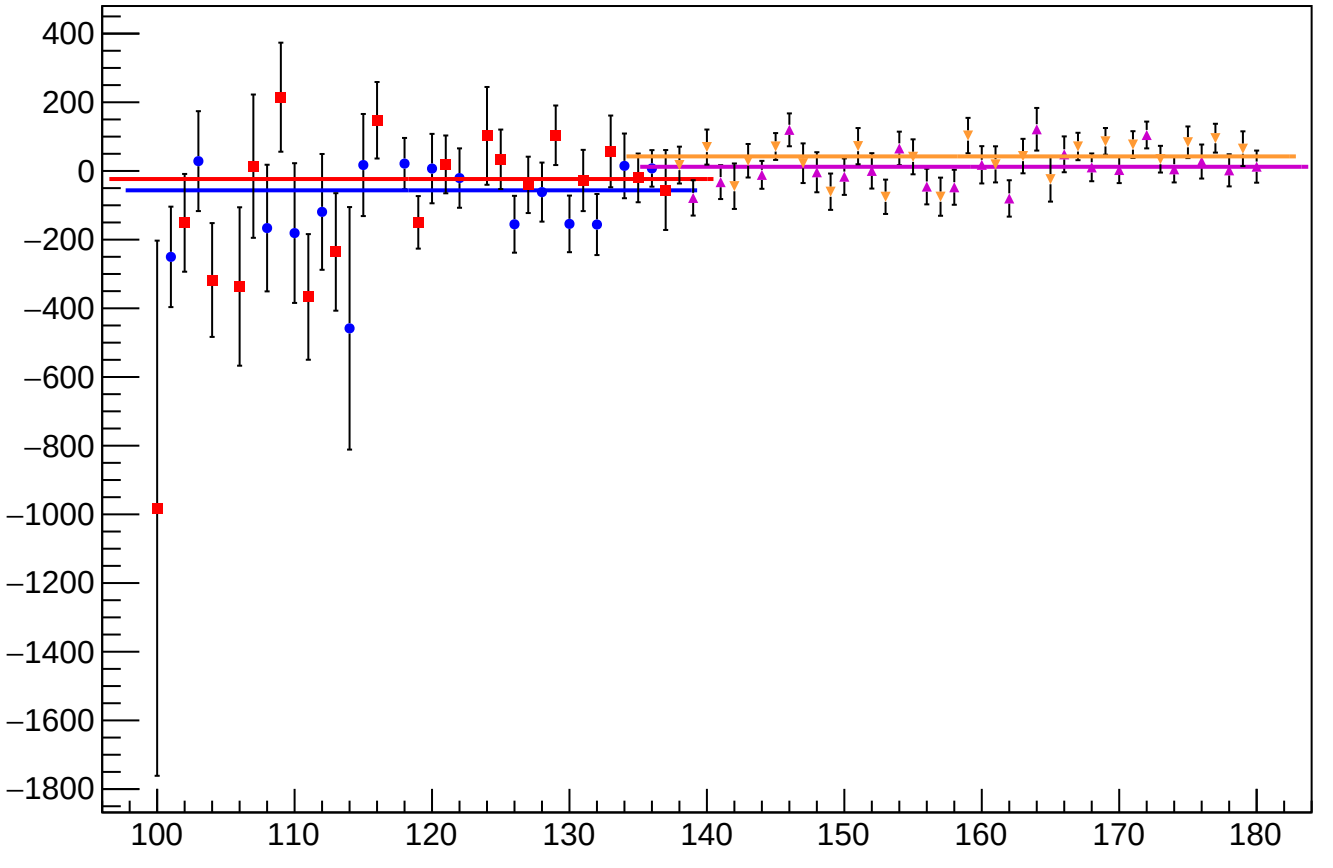
Left: 131.698+/-0.016 χ^2/NDF: 3359883.7/42

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 141.429+/-0.022 χ^2/NDF:6265813.9/36

Out: 141.608+/-0.022 χ^2/NDF:7389345.1/40

All: 141.518+/-0.015 χ^2/NDF: 13655193.0/77



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.386+/-10.221 χ^2/NDF:24.9/21

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.150+/-10.363 χ^2/NDF:26.0/20

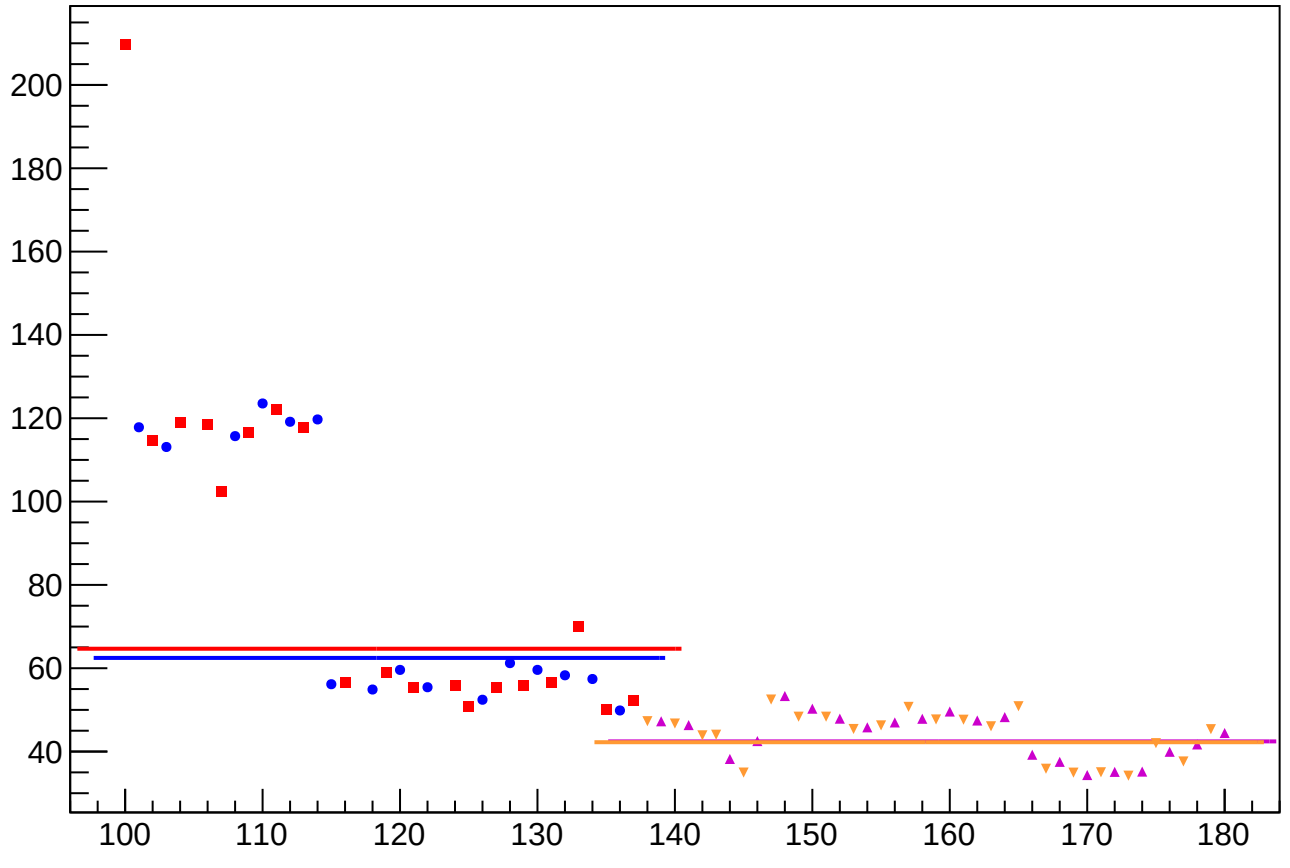
Left: 27.476+/-7.277 χ^2/NDF: 55.2/42

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.737+/-9.544 χ^2/NDF:44.9/36

Out: 33.053+/-9.470 χ^2/NDF:54.8/40

All: 17.516+/-6.722 χ^2/NDF: 105.2/77



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.240+/-0.007 χ^2/NDF:688392.4/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.439+/-0.007 χ^2/NDF:583218.1/20

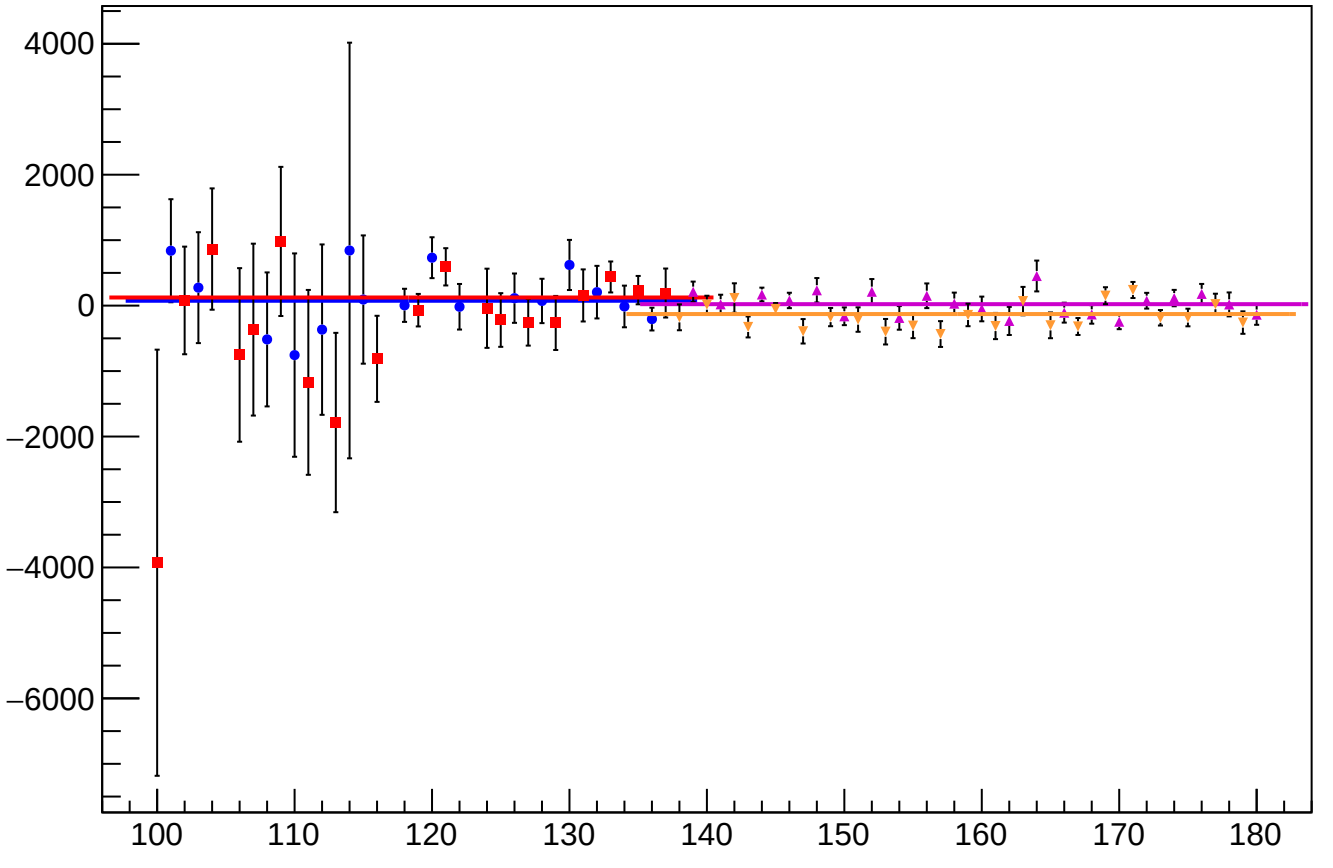
Left: 42.338+/-0.005 χ^2/NDF: 1271984.6/42

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.482+/-0.007 χ^2/NDF:3066715.8/36

Out: 45.419+/-0.007 χ^2/NDF:3644314.1/40

All: 45.450+/-0.005 χ^2/NDF: 6711073.7/77



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -128.806+/-32.593 χ^2/NDF:32.2/21

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 22.224+/-32.595 χ^2/NDF:24.9/20

Left: -53.294+/-23.047 χ^2/NDF: 67.9/42

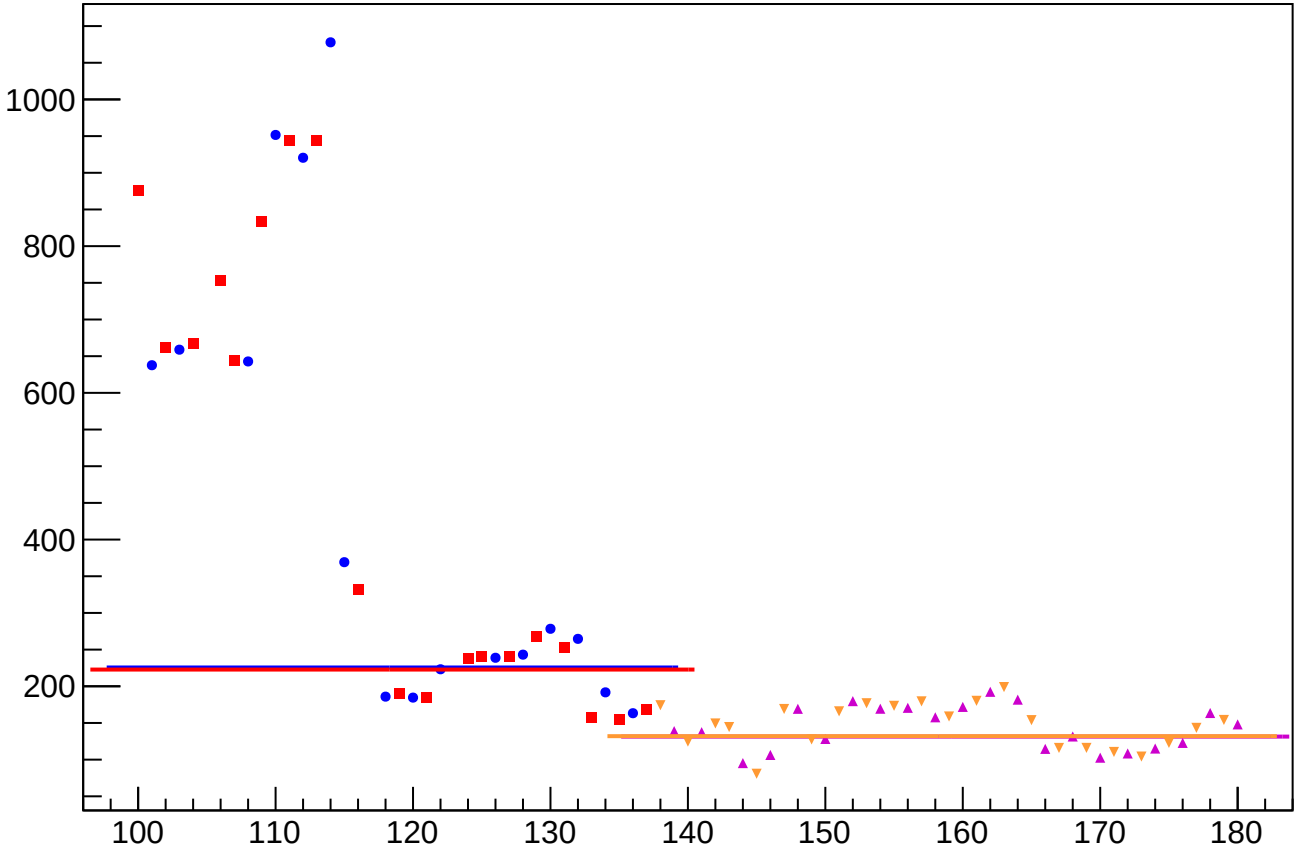
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 27.761+/-30.813 χ^2/NDF:36.4/36

Out: -101.993+/-30.818 χ^2/NDF:54.9/40

All: -37.105+/-21.790 χ^2/NDF: 100.2/77

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: 131.985+/-0.023 χ^2/NDF:1896147.7/21

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 131.412+/-0.023 χ^2/NDF:1463421.9/20

Left: 131.699+/-0.016 χ^2/NDF: 3359879.1/42

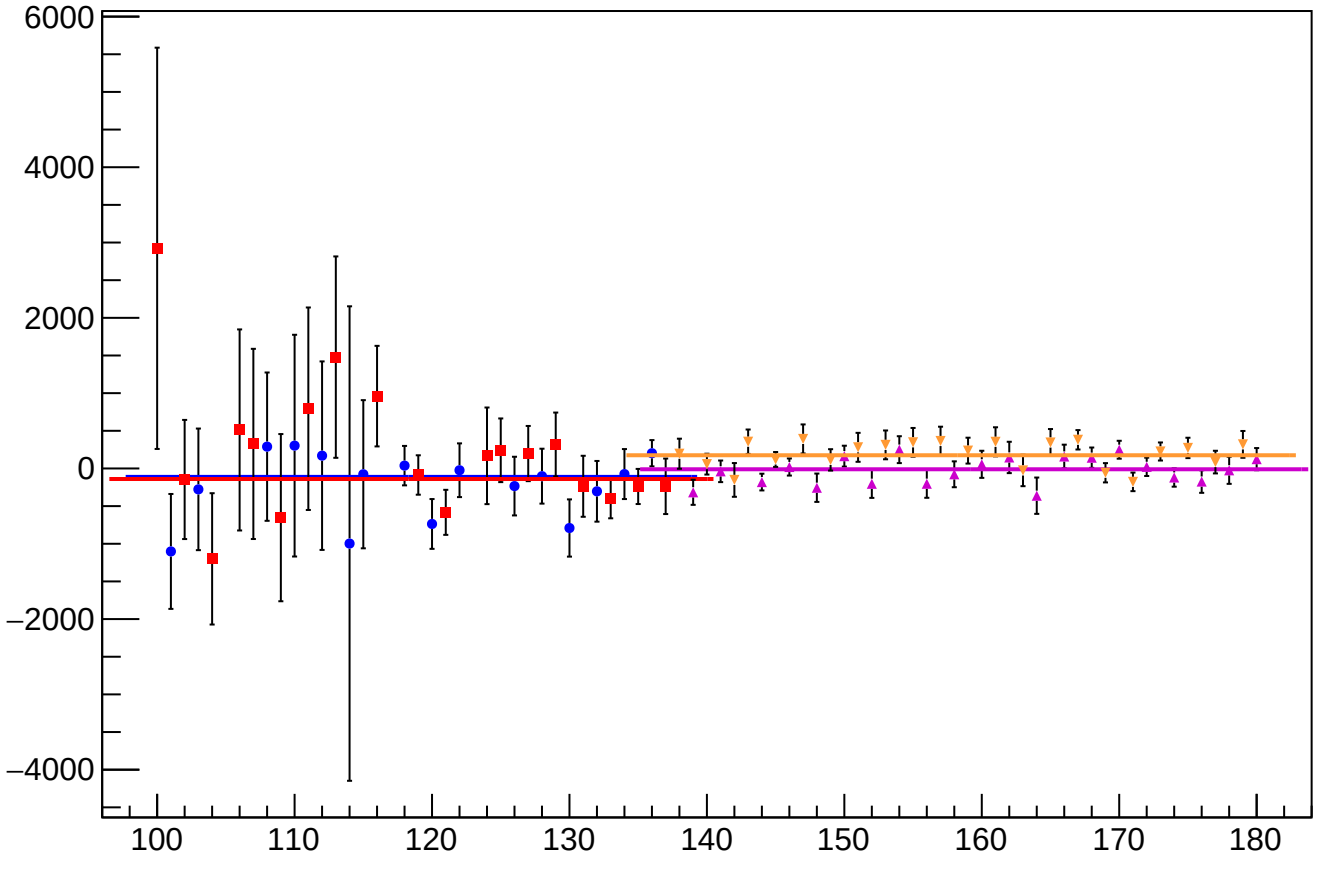
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 141.429+/-0.022 χ^2/NDF:6265794.8/36

Out: 141.609+/-0.022 χ^2/NDF:7389322.1/40

All: 141.519+/-0.015 χ^2/NDF: 13655150.9/77

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 175.391+/-32.861 χ^2/NDF:27.1/21

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -10.783+/-32.625 χ^2/NDF:26.4/20

Left: 81.632+/-23.152 χ^2/NDF: 69.7/42

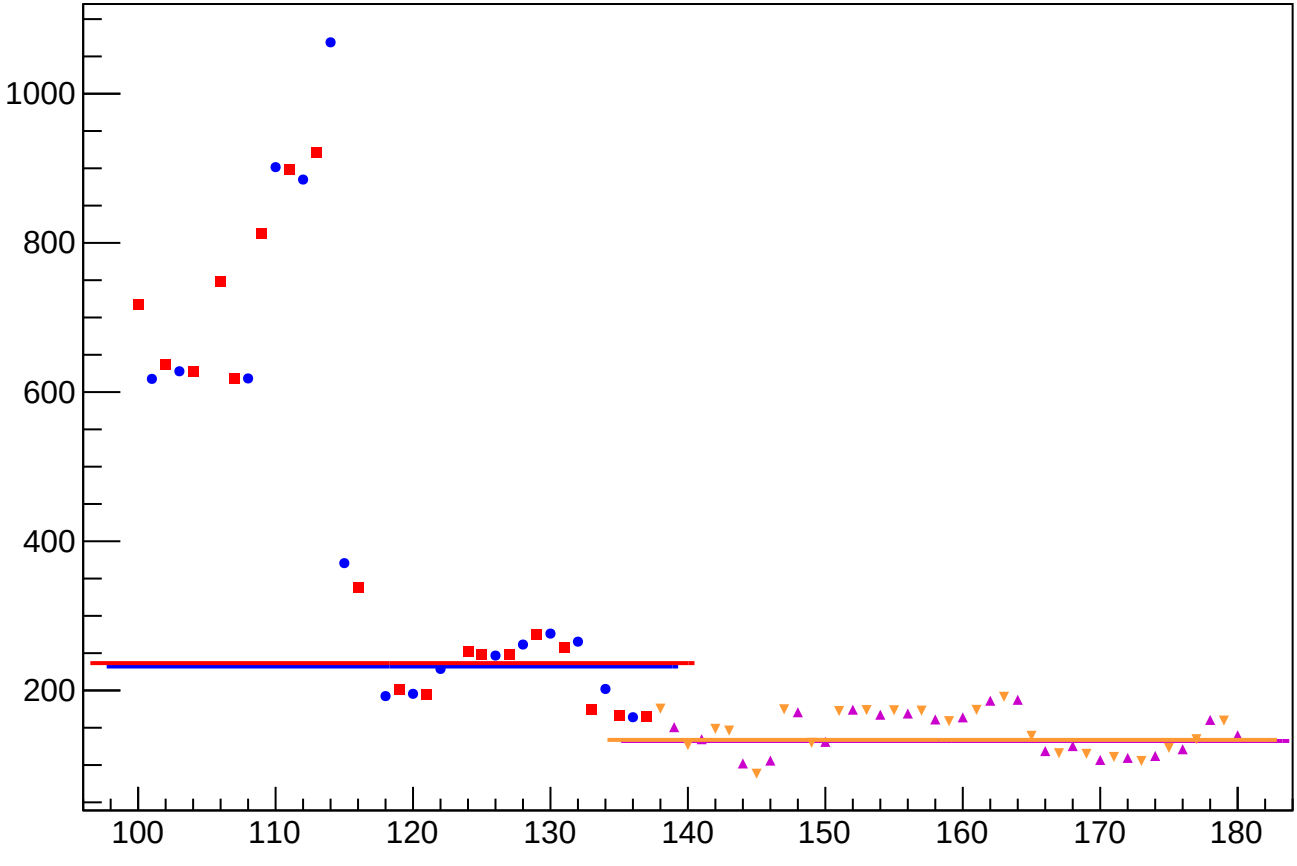
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -21.147+/-30.908 χ^2/NDF:40.3/36

Out: 144.192+/-31.193 χ^2/NDF:50.8/40

All: 60.763+/-21.955 χ^2/NDF: 105.3/77

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.717+/-0.023 χ^2/NDF:1569274.6/21

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 132.244+/-0.023 χ^2/NDF:1277388.1/20

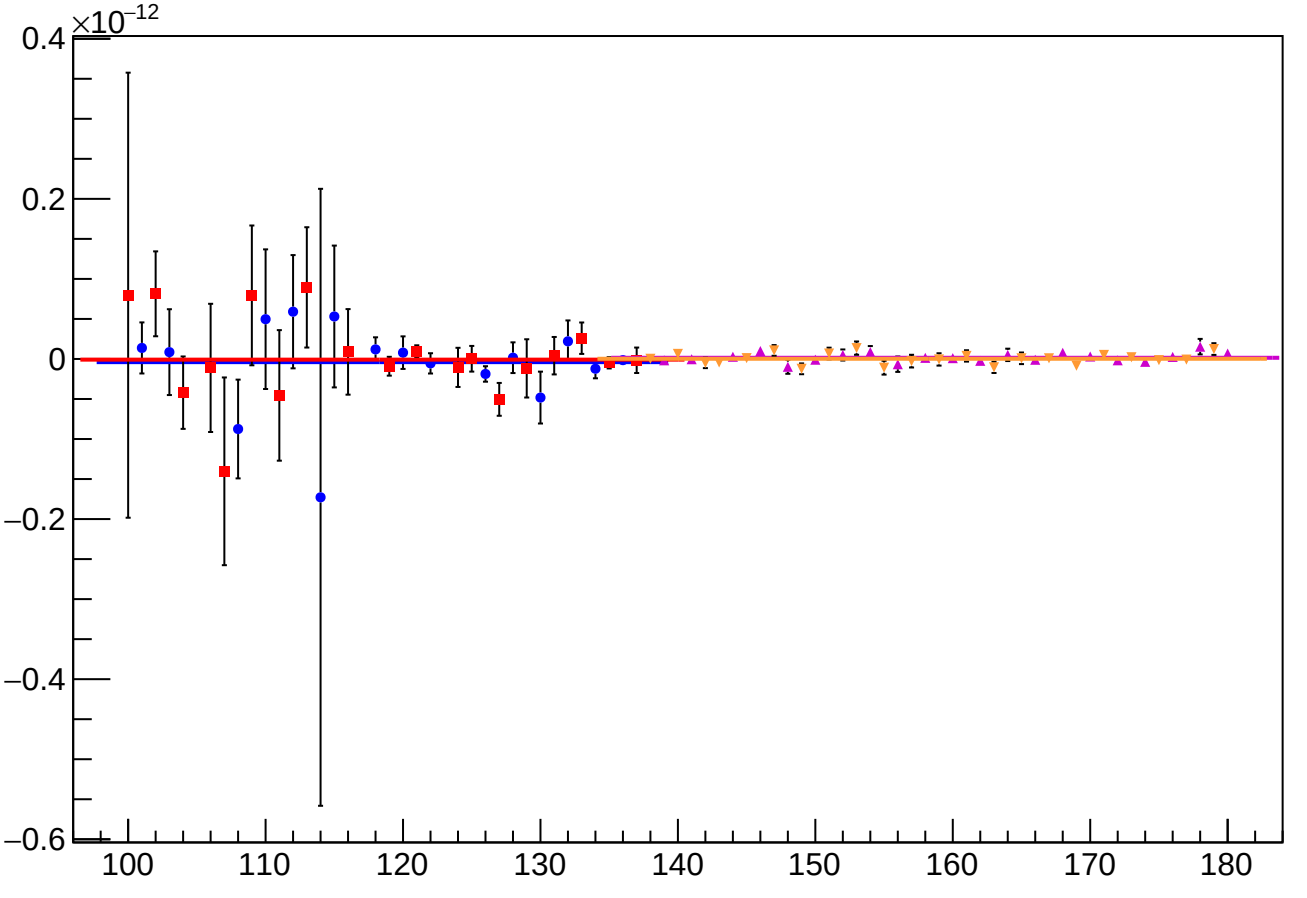
Left: 132.975+/-0.016 χ^2/NDF: 2848686.1/42

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.478+/-0.022 χ^2/NDF:6083209.7/36

Out: 143.900+/-0.022 χ^2/NDF:7031538.5/40

All: 143.182+/-0.016 χ^2/NDF: 13116845.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/20

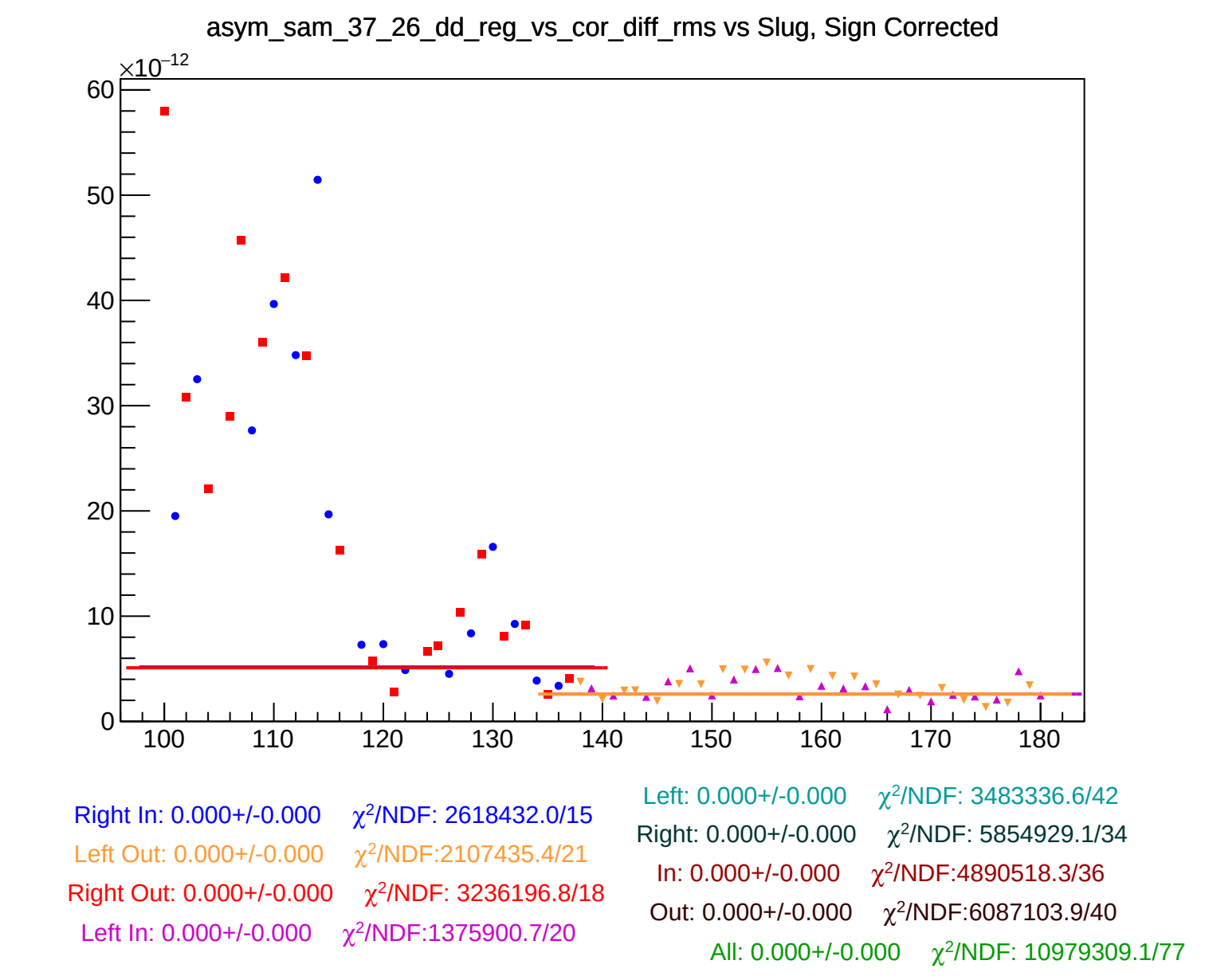
Left: 0.000+/-0.000 χ^2/NDF: 41.0/42

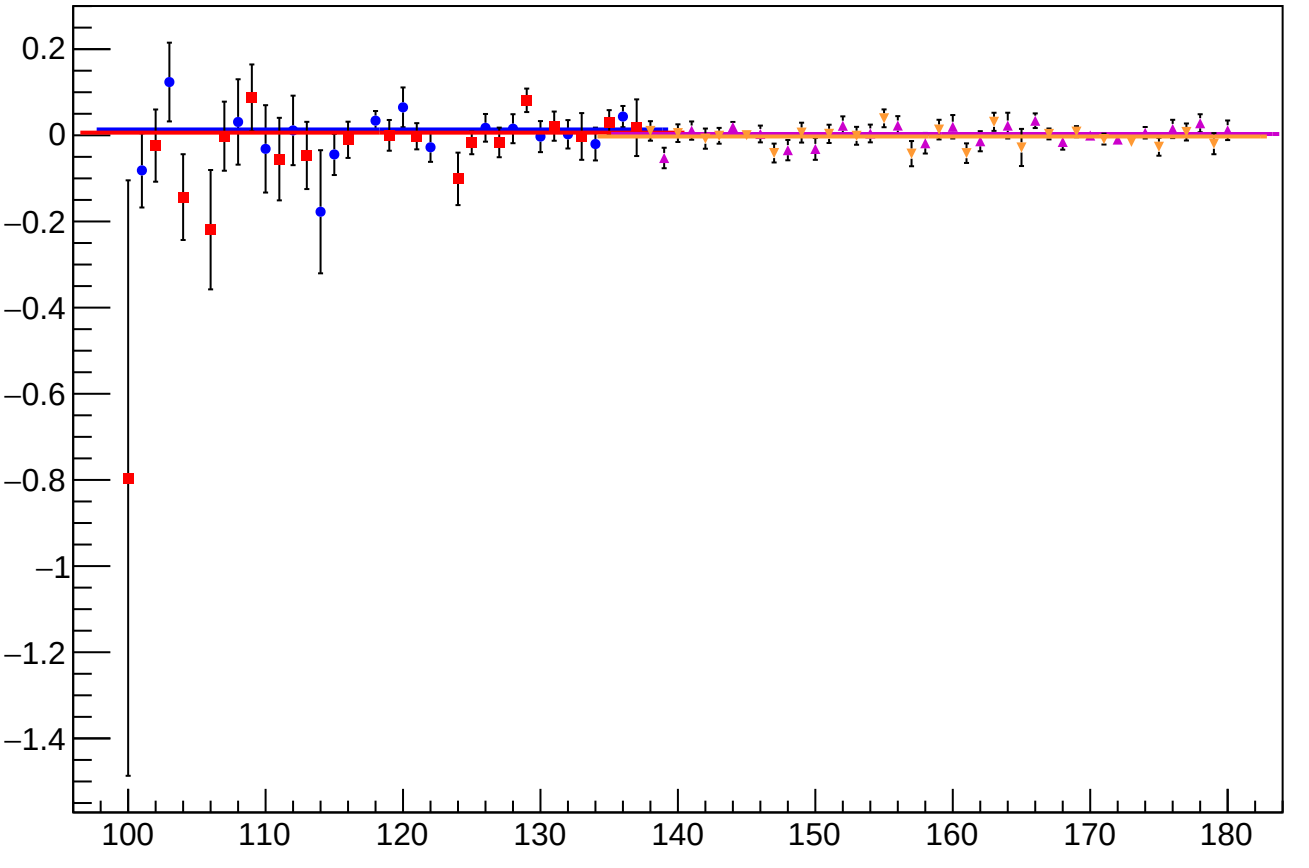
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/36

Out: 0.000+/-0.000 χ^2/NDF:44.0/40

All: 0.000+/-0.000 χ^2/NDF: 72.3/77


asym_sam_37_26_dd_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
180
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2107435.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:1375900.7/20
Left: 0.000+/-0.000 χ²/NDF: 3483336.6/42
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:4890518.3/36
Out: 0.000+/-0.000 χ²/NDF:6087103.9/40
All: 0.000+/-0.000 χ²/NDF: 10979309.1/77



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.5/20

Left: 0.000+/-0.003 χ^2/NDF: 45.3/42

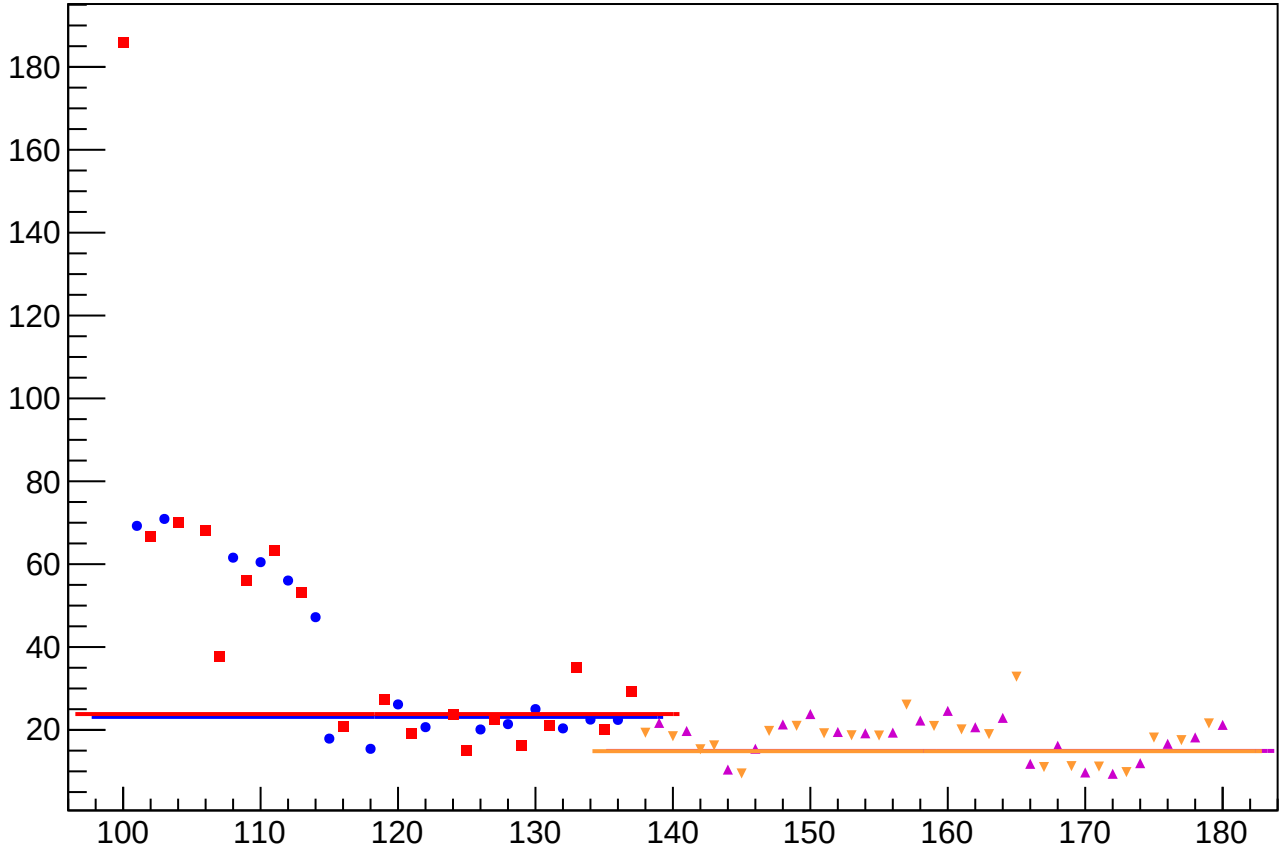
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.8/36

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 81.1/77

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

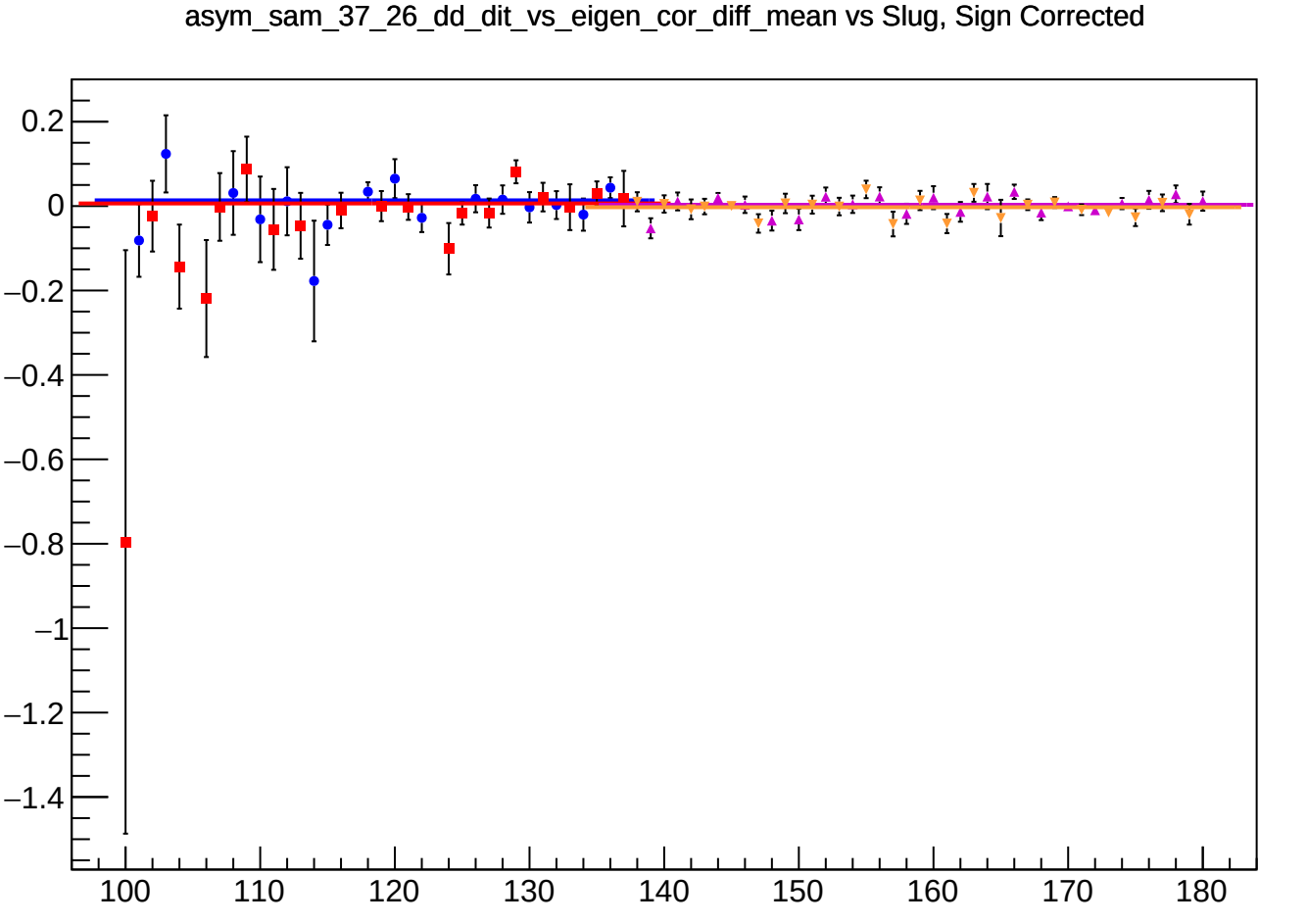
Left: 14.897+/-0.002 χ^2/NDF: 6463015.1/42

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

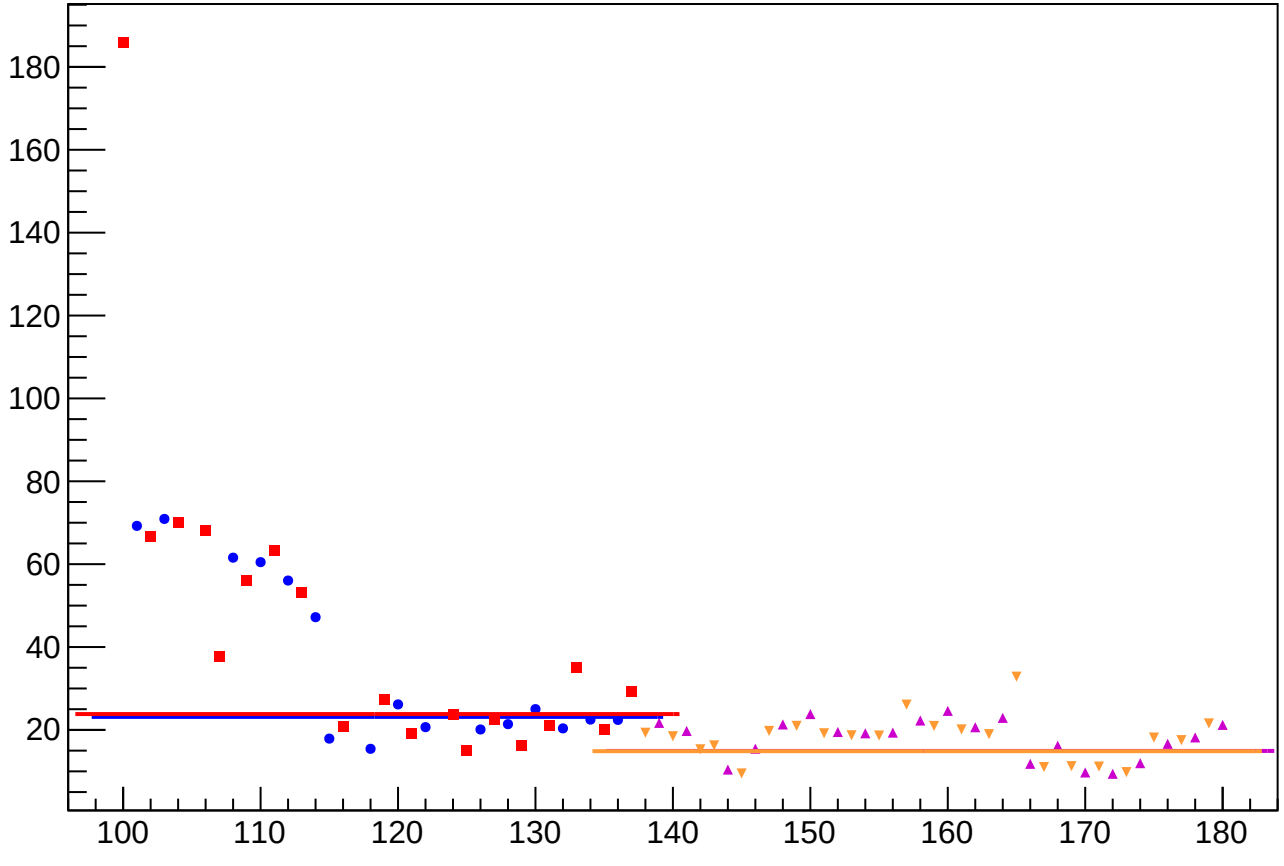
In: 16.044+/-0.003 χ^2/NDF:6895380.9/36

Out: 15.996+/-0.003 χ^2/NDF:7460071.4/40

All: 16.020+/-0.002 χ^2/NDF: 14355624.0/77


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.003+/-0.004 χ²/NDF:20.8/21
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.003+/-0.004 χ²/NDF:23.5/20
Left: 0.000+/-0.003 χ²/NDF: 45.3/42
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.004+/-0.004 χ²/NDF:36.8/36
Out: -0.002+/-0.004 χ²/NDF:42.9/40
All: 0.001+/-0.003 χ²/NDF: 81.1/77

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.927+/-0.003 χ^2/NDF:3285031.9/20

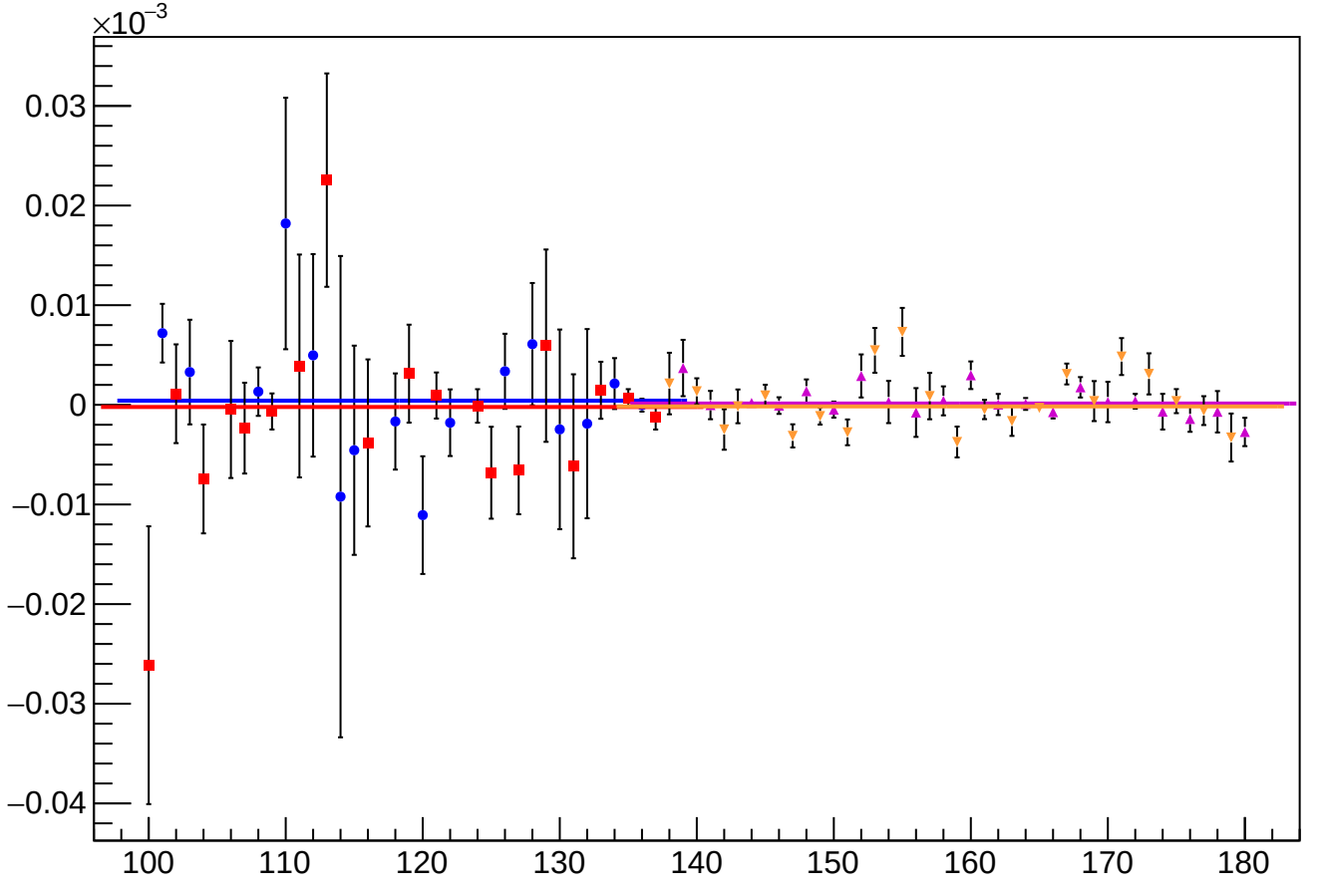
Left: 14.897+/-0.002 χ^2/NDF: 6463015.1/42

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.044+/-0.003 χ^2/NDF:6895380.9/36

Out: 15.996+/-0.003 χ^2/NDF:7460071.4/40

All: 16.020+/-0.002 χ^2/NDF: 14355624.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/20

Left: 0.000+/-0.000 χ^2/NDF: 81.0/42

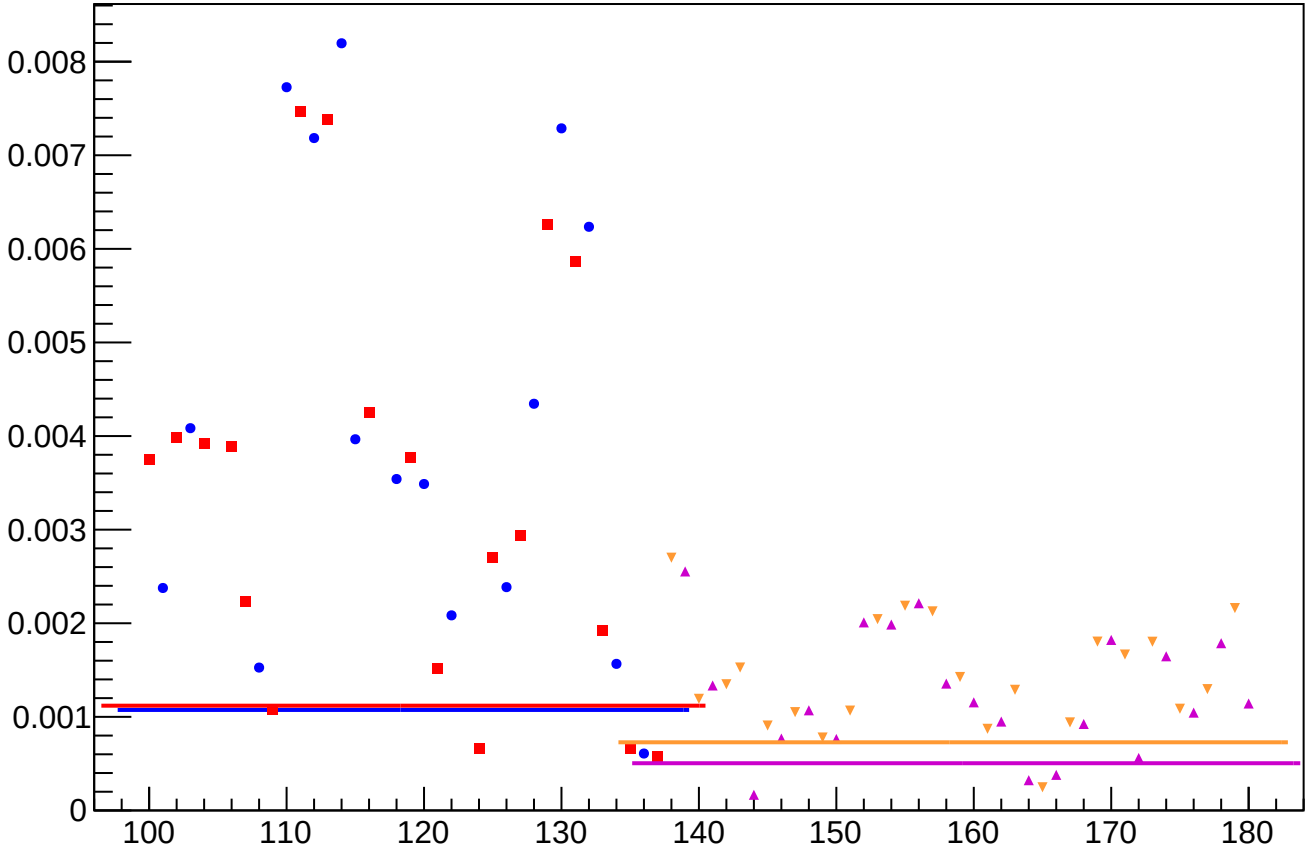
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:35.2/36

Out: -0.000+/-0.000 χ^2/NDF:78.2/40

All: 0.000+/-0.000 χ^2/NDF: 114.8/77

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12445948.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.001+/-0.000 χ^2/NDF:14307089.6/20

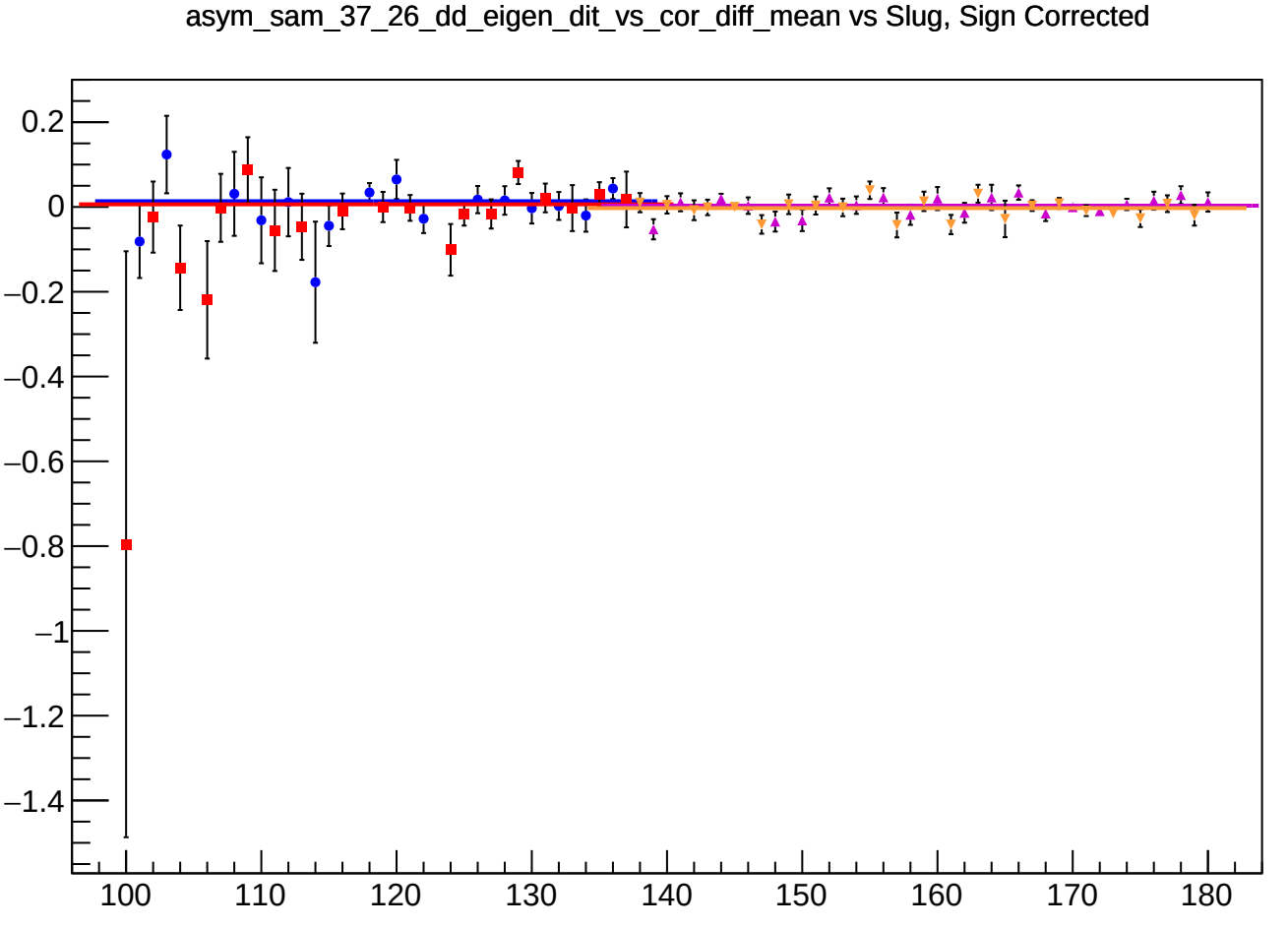
Left: 0.001+/-0.000 χ^2/NDF: 28001614.0/42

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:23225010.6/36

Out: 0.001+/-0.000 χ^2/NDF:20064402.4/40

All: 0.001+/-0.000 χ^2/NDF: 44708658.3/77



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.5/20

Left: 0.000+/-0.003 χ^2/NDF: 45.3/42

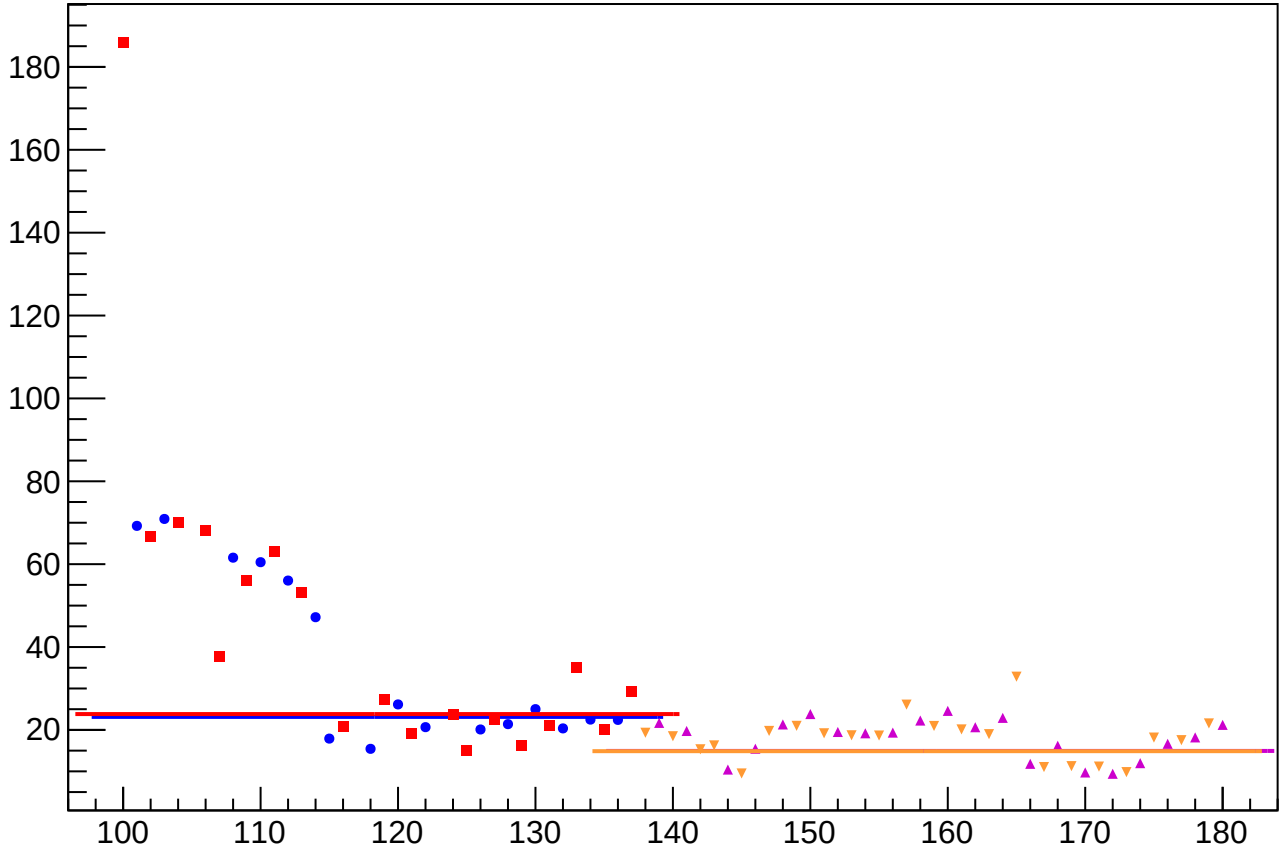
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.8/36

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 81.1/77

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

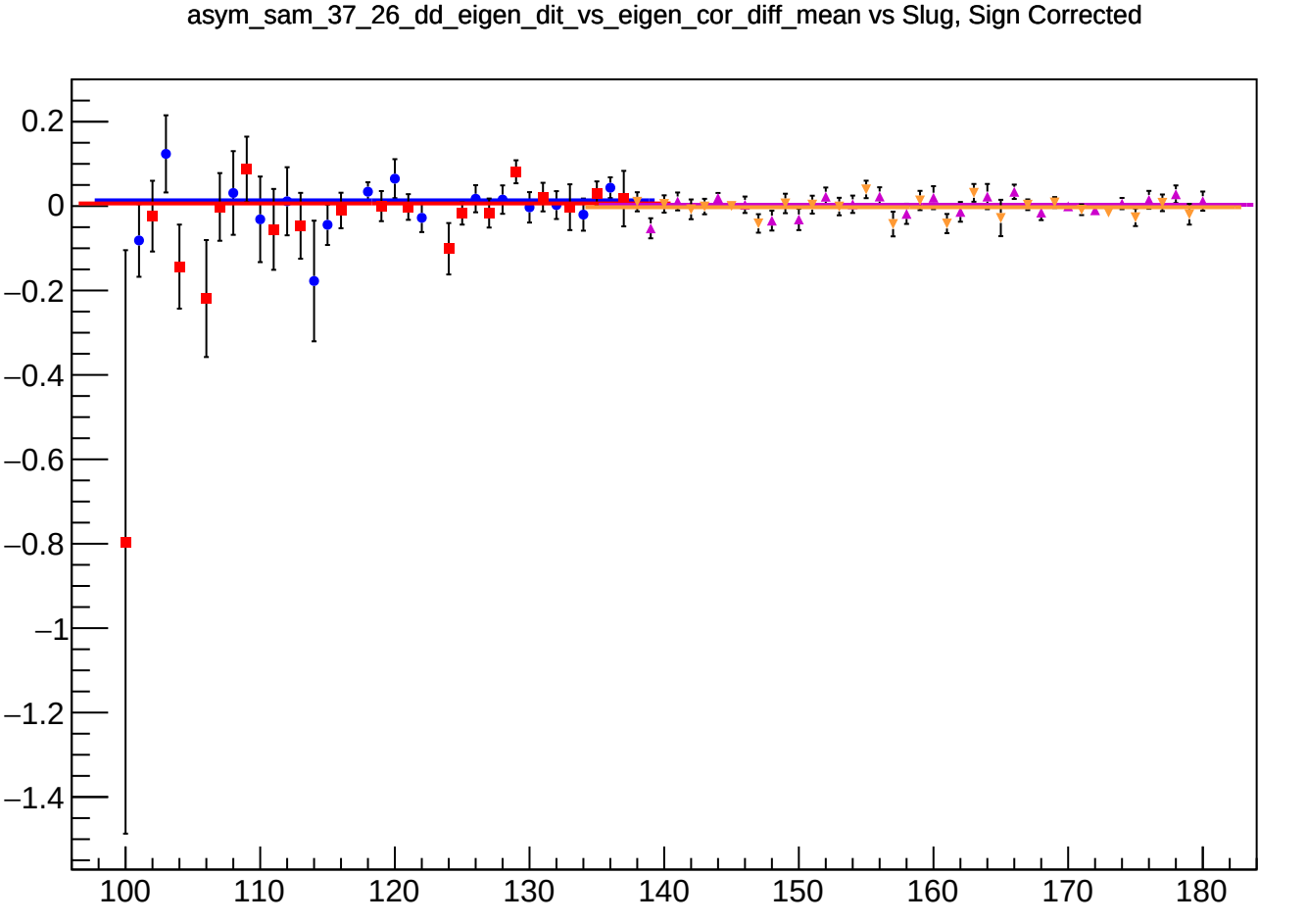
Left: 14.898+/-0.002 χ^2/NDF: 6463160.1/42

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.044+/-0.003 χ^2/NDF:6895147.2/36

Out: 15.996+/-0.003 χ^2/NDF:7459988.6/40

All: 16.020+/-0.002 χ^2/NDF: 14355307.5/77



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.5/20

Left: 0.000+/-0.003 χ^2/NDF: 45.3/42

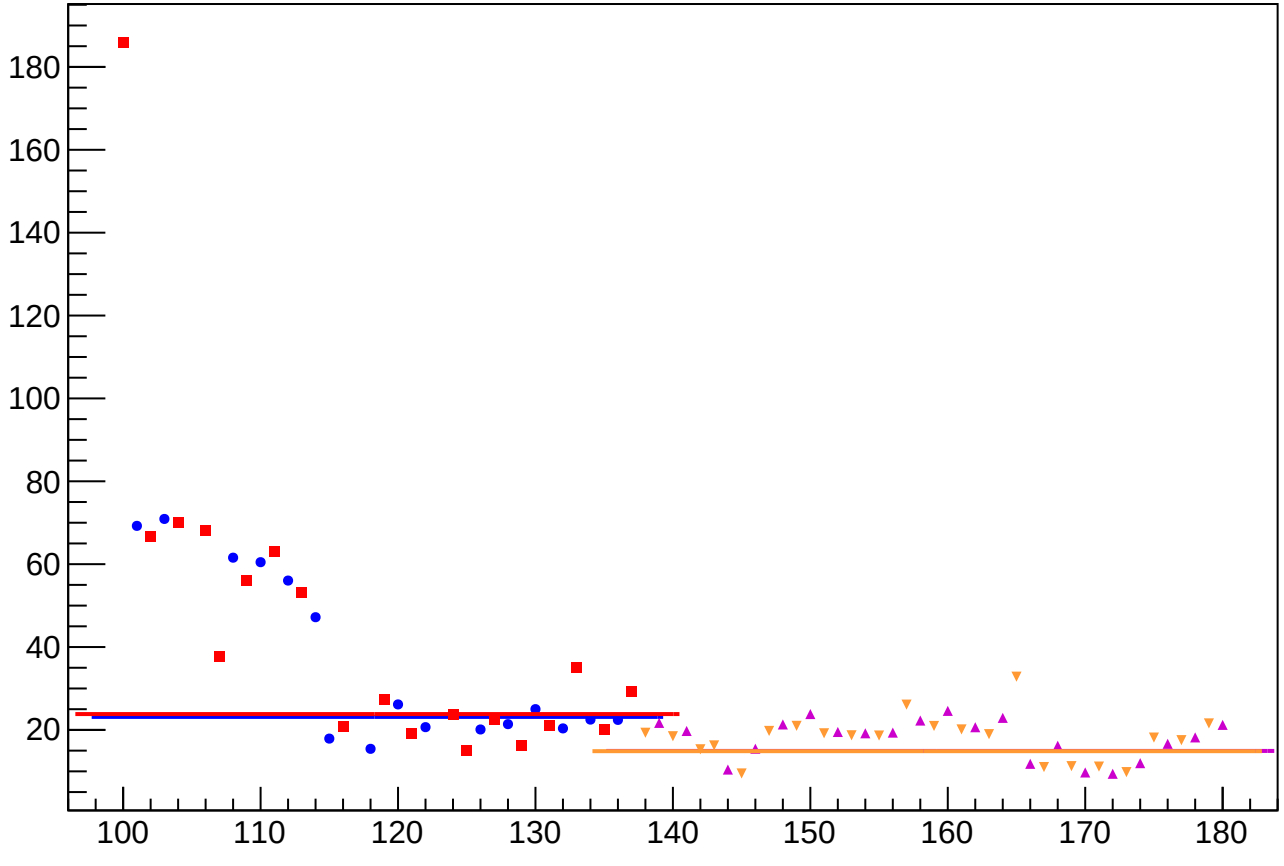
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.8/36

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 81.1/77

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.927+/-0.003 χ^2/NDF:3285072.5/20

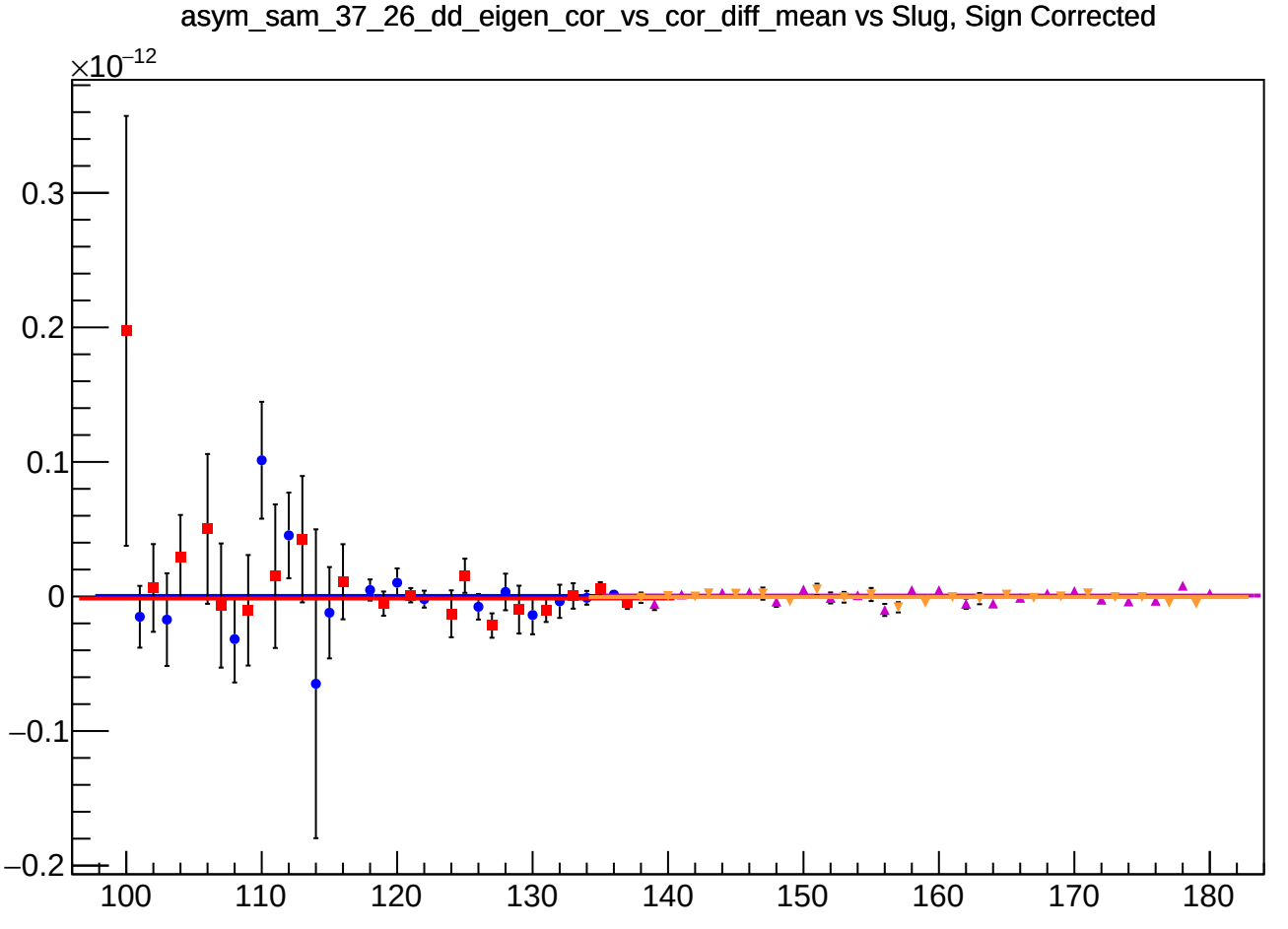
Left: 14.898+/-0.002 χ^2/NDF: 6463160.1/42

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.044+/-0.003 χ^2/NDF:6895147.2/36

Out: 15.996+/-0.003 χ^2/NDF:7459988.6/40

All: 16.020+/-0.002 χ^2/NDF: 14355307.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:38.9/20

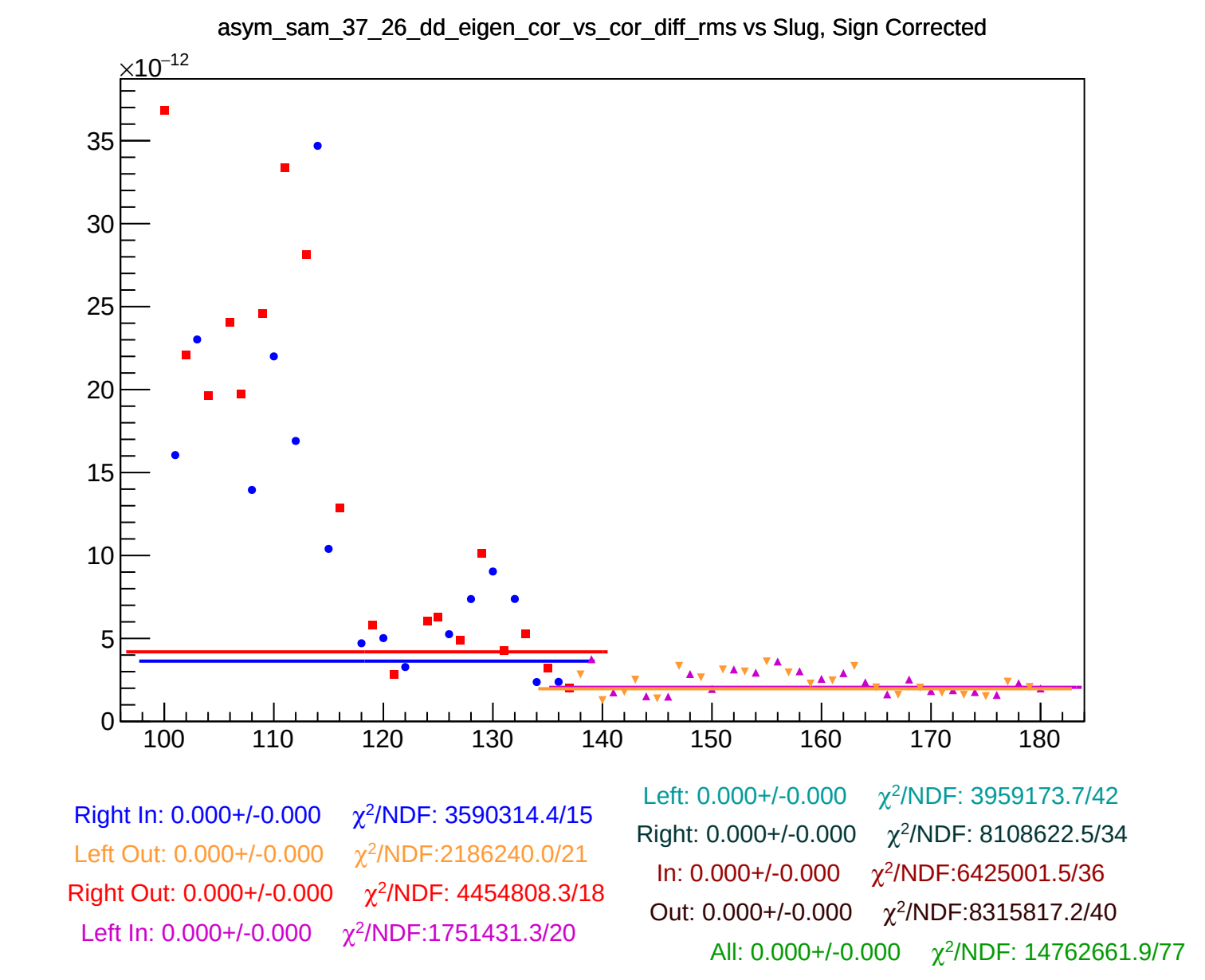
Left: 0.000+/-0.000 χ^2/NDF: 60.4/42

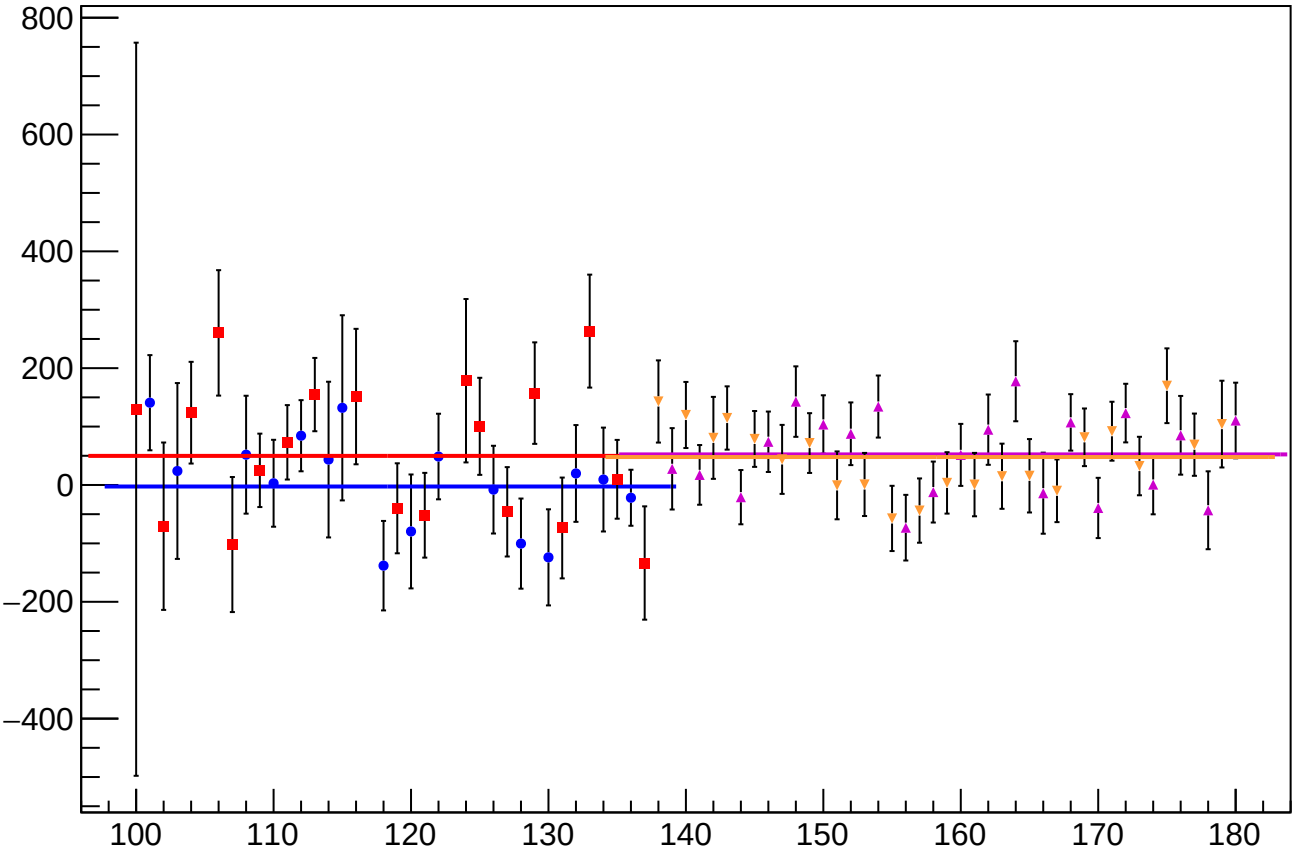
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:51.9/36

Out: -0.000+/-0.000 χ^2/NDF:35.4/40

All: 0.000+/-0.000 χ^2/NDF: 89.3/77


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2186240.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1751431.3/20
Left: 0.000+/-0.000 χ²/NDF: 3959173.7/42
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6425001.5/36
Out: 0.000+/-0.000 χ²/NDF:8315817.2/40
All: 0.000+/-0.000 χ²/NDF: 14762661.9/77



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.855+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 52.346+/-12.120 χ^2/NDF:31.2/20

Left: 50.060+/-8.493 χ^2/NDF: 53.8/42

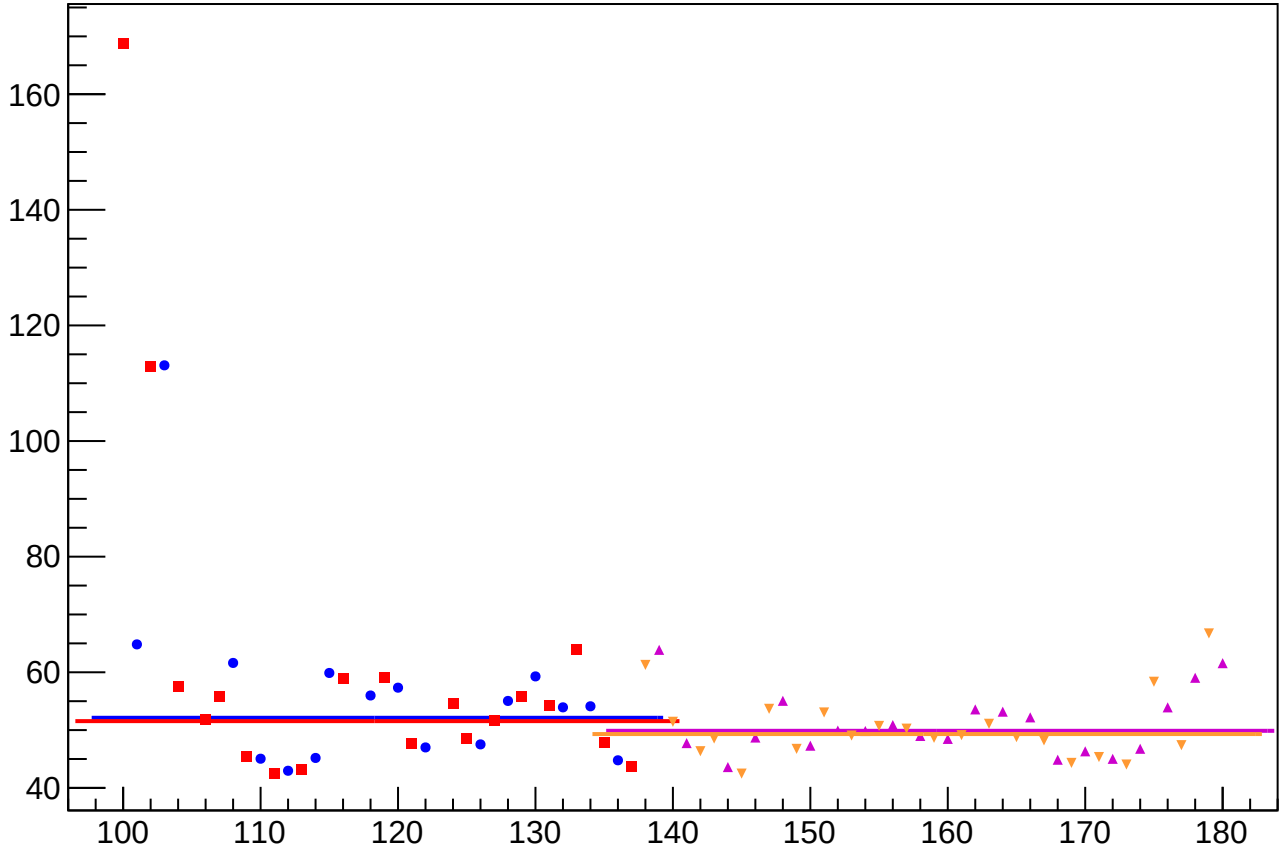
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 37.578+/-10.364 χ^2/NDF:51.3/36

Out: 48.381+/-10.178 χ^2/NDF:51.9/40

All: 43.078+/-7.262 χ^2/NDF: 103.7/77

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

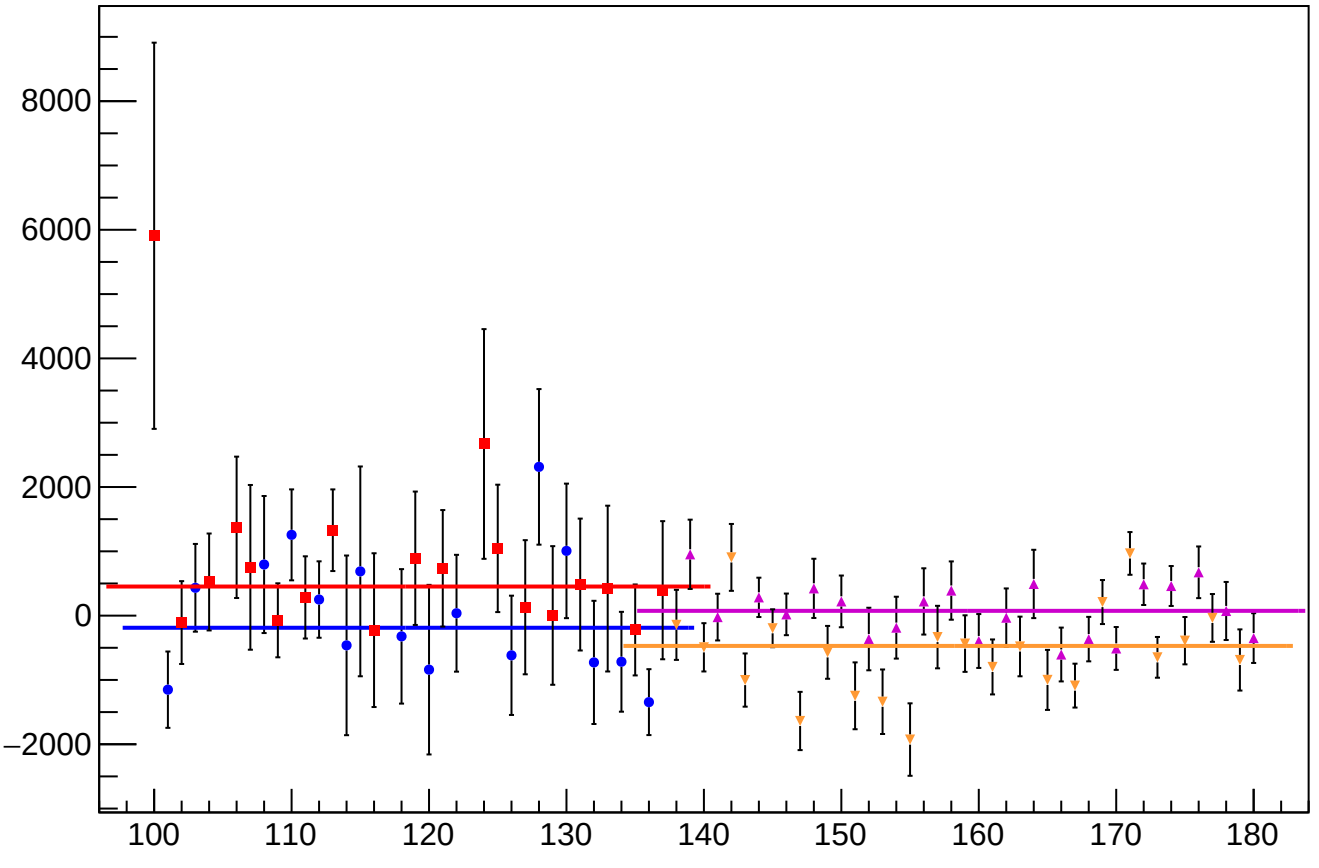
Left: 49.589+/-0.006 χ^2/NDF: 670979.8/42

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.481+/-0.007 χ^2/NDF:907817.8/36

Out: 49.915+/-0.007 χ^2/NDF:1001024.0/40

All: 50.193+/-0.005 χ^2/NDF: 1911869.1/77



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -470.900+/-86.893 χ^2/NDF:58.4/21

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 74.571+/-86.299 χ^2/NDF:21.5/20

Left: -196.292+/-61.232 χ^2/NDF: 99.7/42

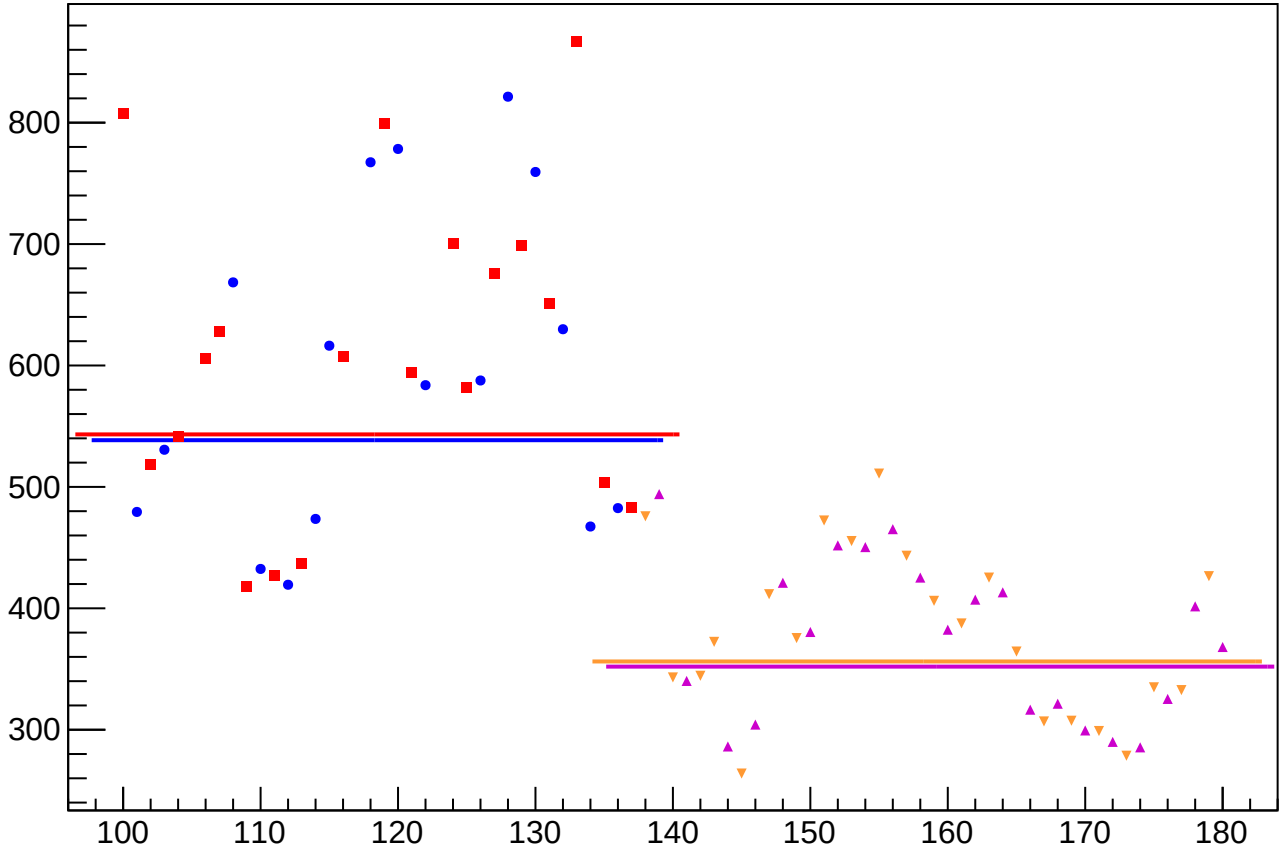
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 35.224+/-79.586 χ^2/NDF:44.2/36

Out: -328.991+/-79.938 χ^2/NDF:87.1/40

All: -146.078+/-56.400 χ^2/NDF: 141.7/77

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128270.0/21

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

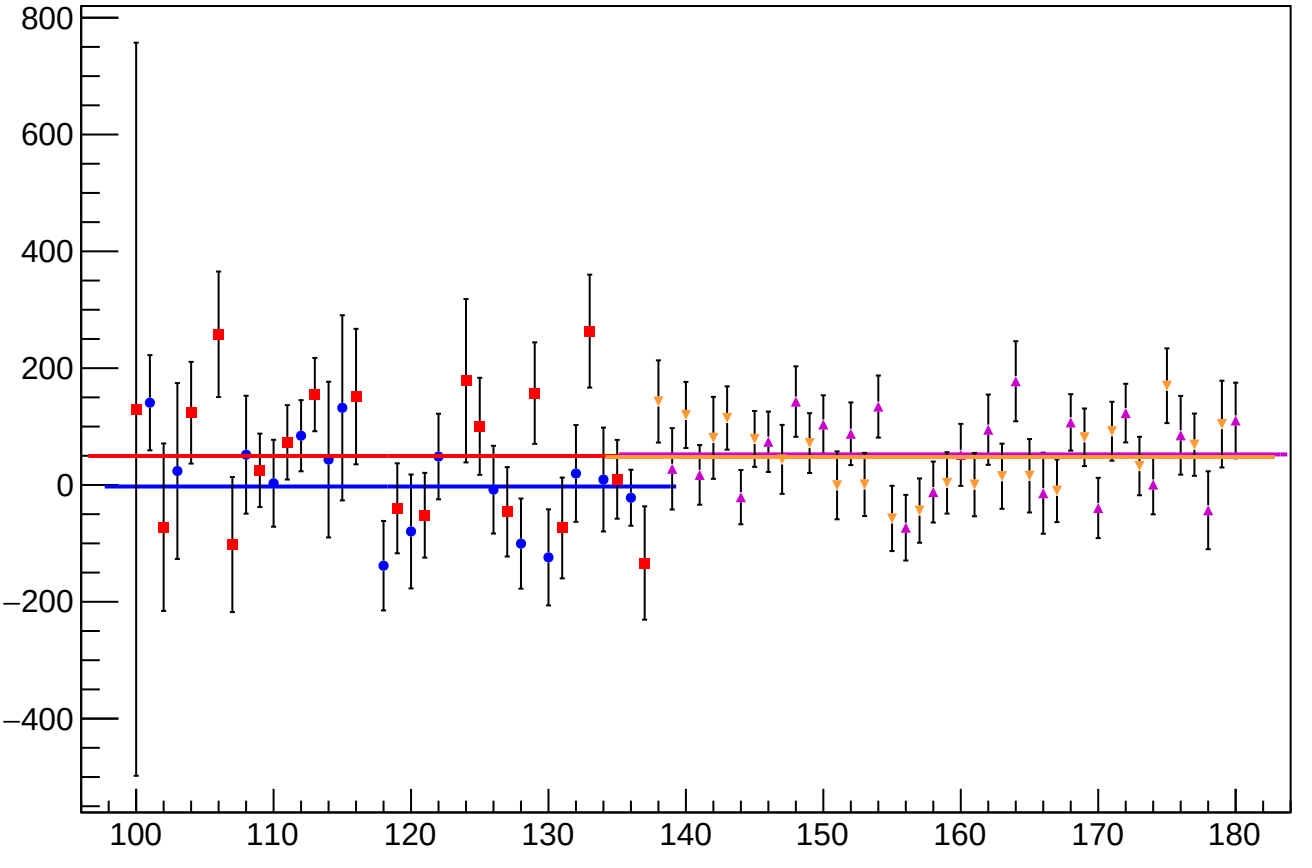
Left: 354.092+/-0.043 χ^2/NDF: 2128017.7/42

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.870+/-0.056 χ^2/NDF:3007804.3/36

Out: 384.968+/-0.057 χ^2/NDF:3189023.1/40

All: 382.408+/-0.040 χ^2/NDF: 6200912.8/77



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.345+/-12.120 χ^2/NDF:31.2/20

Left: 50.061+/-8.493 χ^2/NDF: 53.8/42

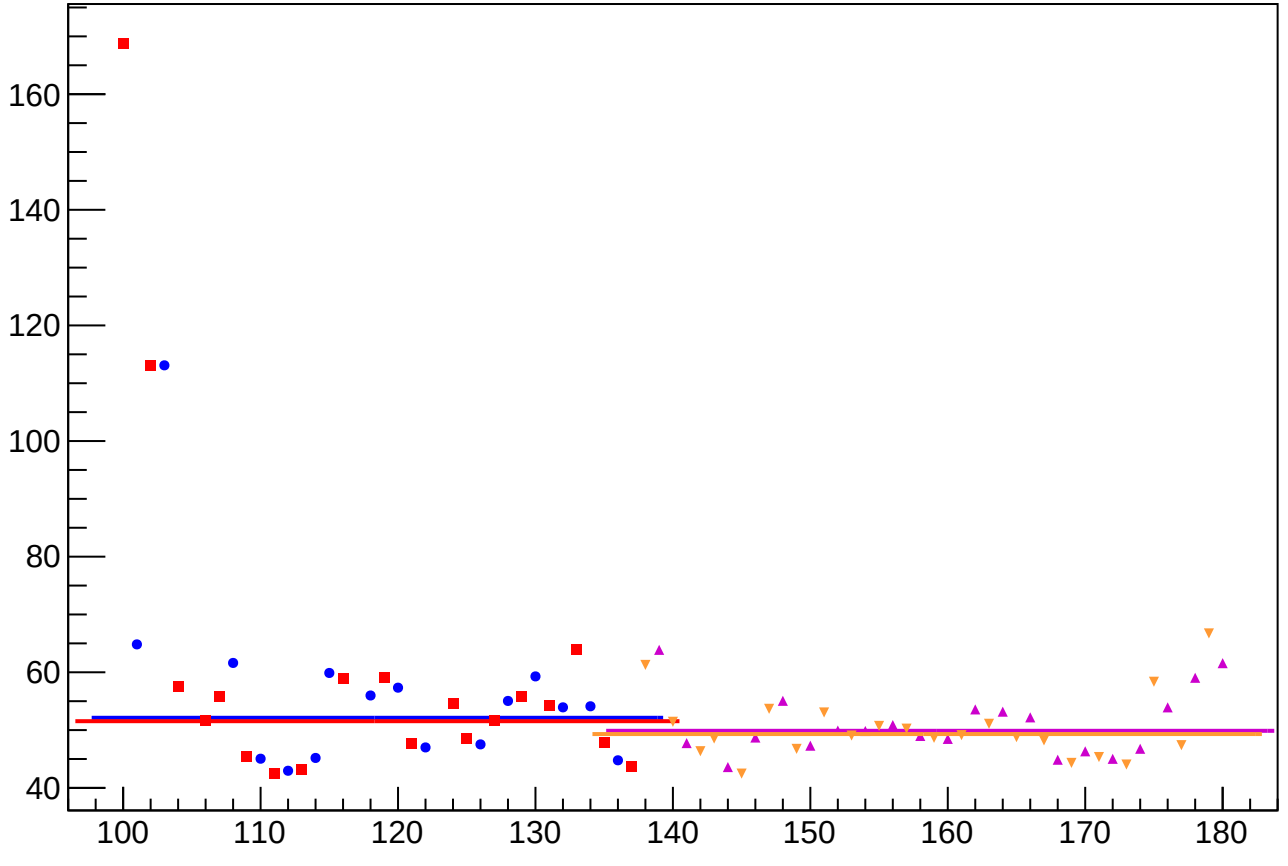
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.577+/-10.364 χ^2/NDF:51.3/36

Out: 48.351+/-10.178 χ^2/NDF:51.8/40

All: 43.062+/-7.262 χ^2/NDF: 103.7/77

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

Left: 49.589+/-0.006 χ^2/NDF: 670979.8/42

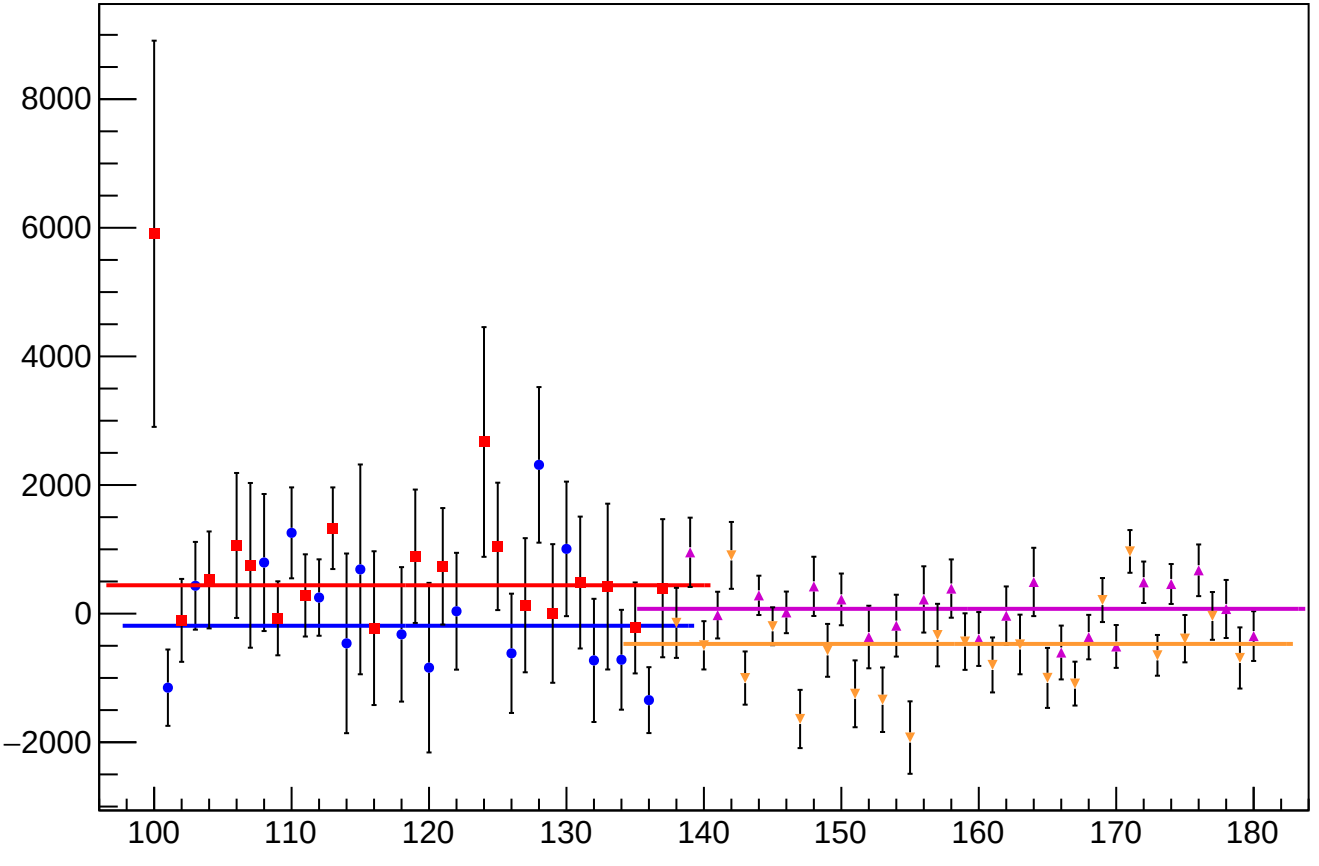
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.481+/-0.007 χ^2/NDF:907820.1/36

Out: 49.913+/-0.007 χ^2/NDF:1001068.5/40

All: 50.191+/-0.005 χ^2/NDF: 1911945.8/77

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 74.571+/-86.299 χ^2/NDF:21.5/20

Left: -196.291+/-61.232 χ^2/NDF: 99.7/42

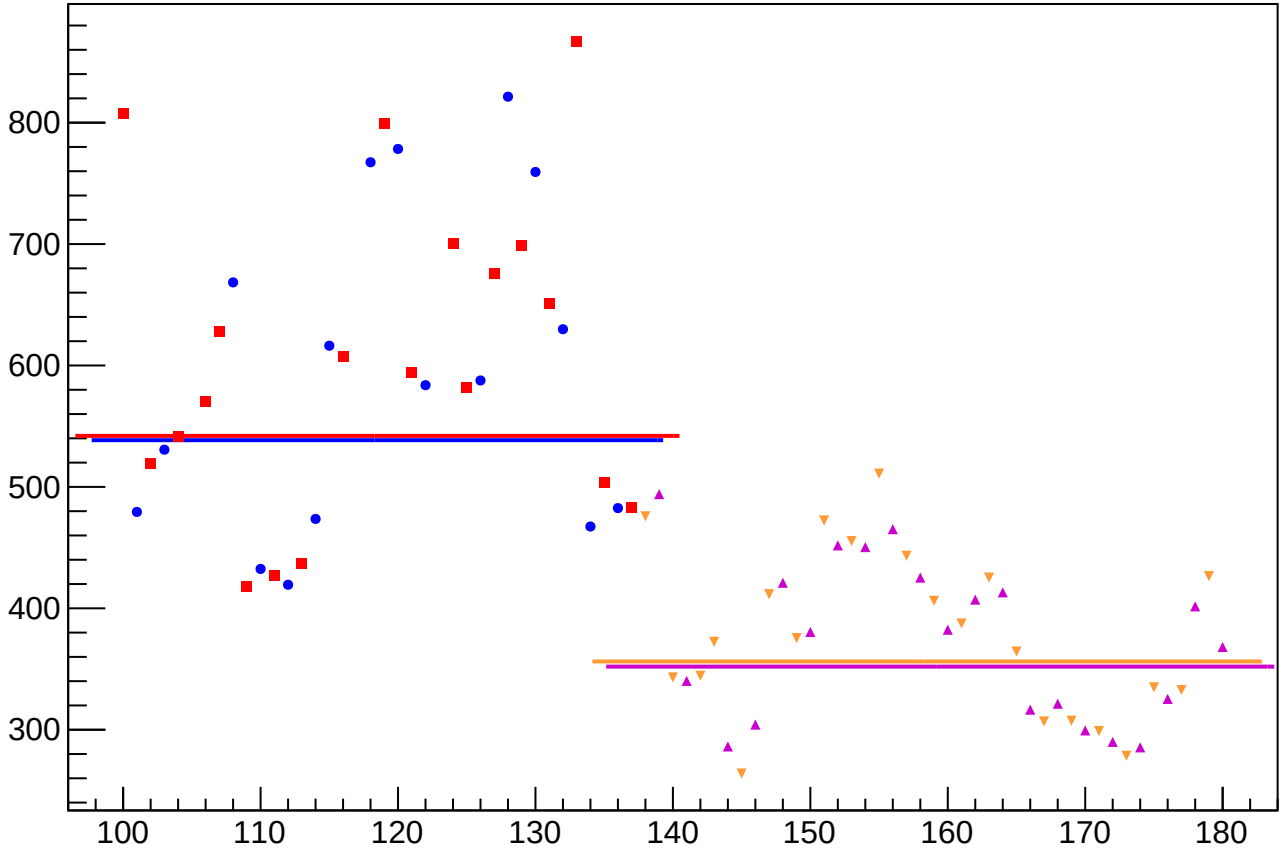
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 35.228+/-79.586 χ^2/NDF:44.2/36

Out: -330.960+/-79.950 χ^2/NDF:86.2/40

All: -147.030+/-56.404 χ^2/NDF: 140.9/77

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: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

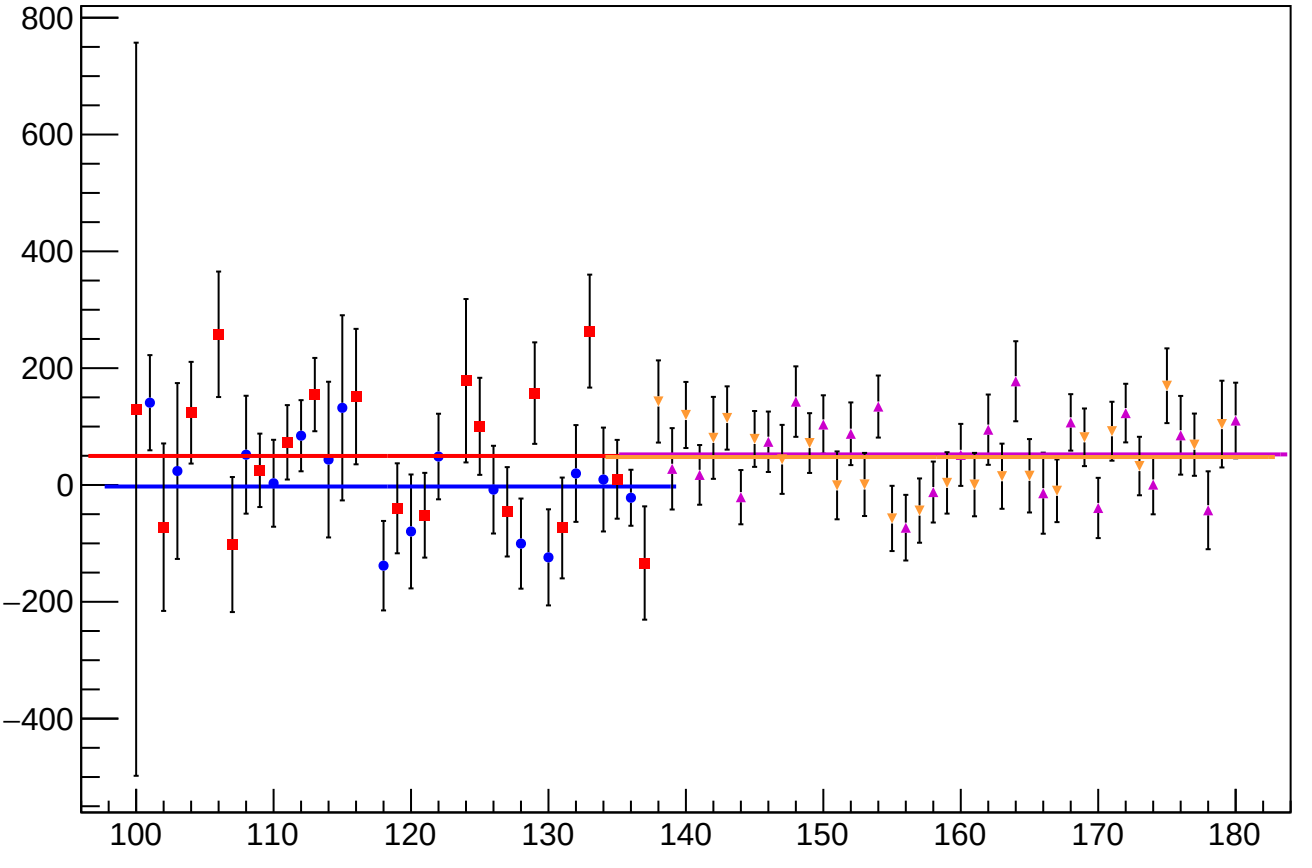
Left: 354.092+/-0.043 χ^2/NDF: 2128021.7/42

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.870+/-0.056 χ^2/NDF:3007856.3/36

Out: 384.735+/-0.057 χ^2/NDF:3162767.2/40

All: 382.292+/-0.040 χ^2/NDF: 6174343.2/77



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.345+/-12.120 χ^2/NDF:31.2/20

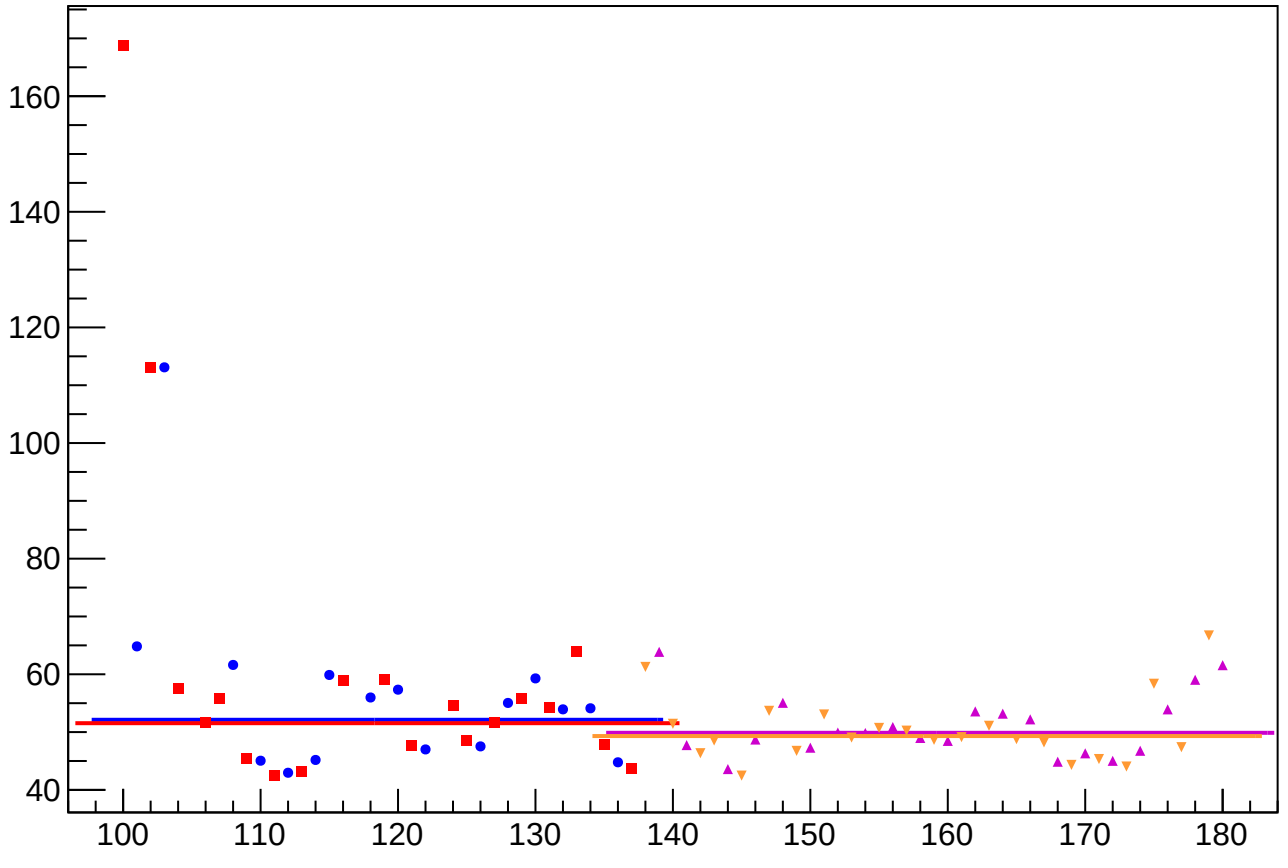
Left: 50.061+/-8.493 χ^2/NDF: 53.8/42

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.577+/-10.364 χ^2/NDF:51.3/36

Out: 48.351+/-10.178 χ^2/NDF:51.8/40

All: 43.062+/-7.262 χ^2/NDF: 103.7/77



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.875+/-0.009 χ^2/NDF:326323.0/20

Left: 49.589+/-0.006 χ^2/NDF: 670979.8/42

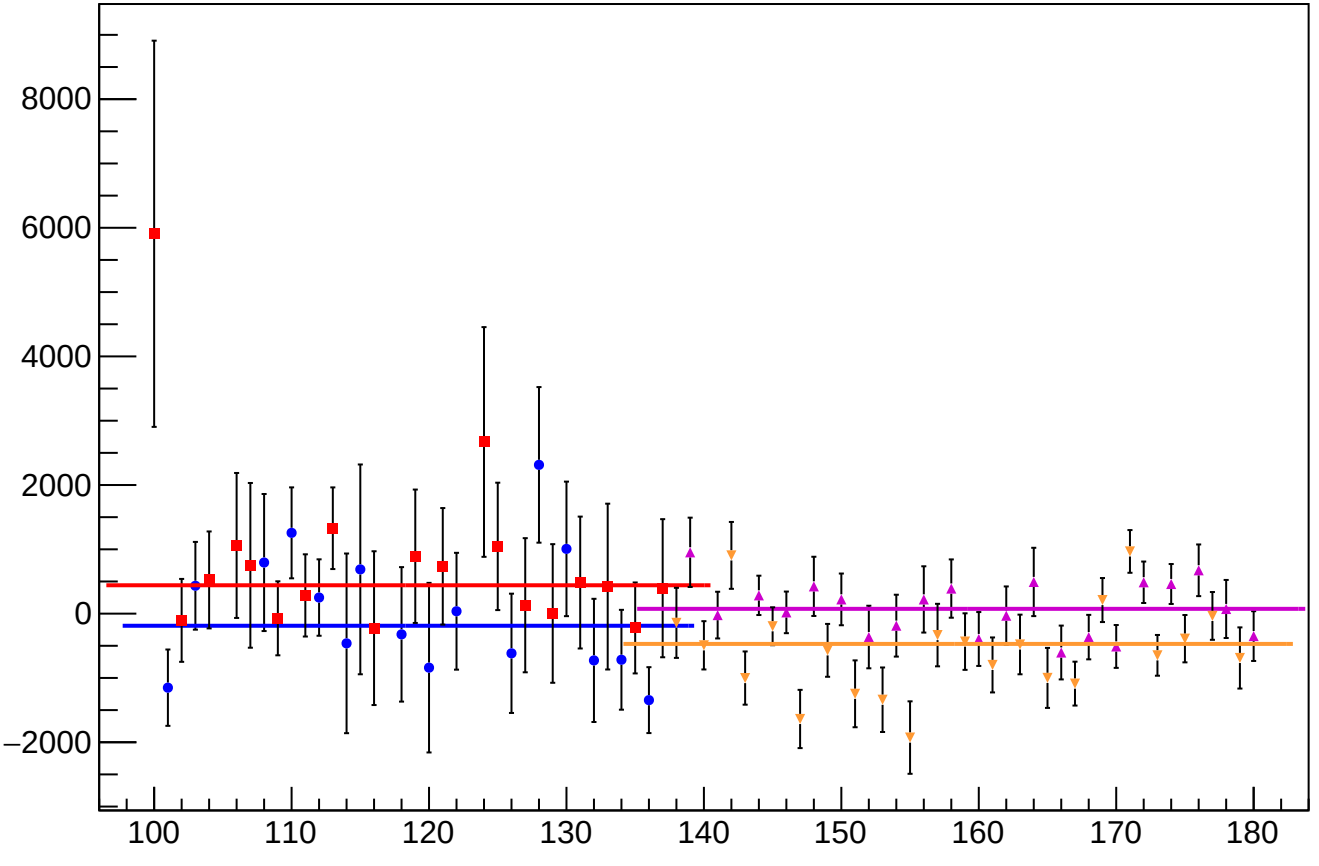
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.481+/-0.007 χ^2/NDF:907820.1/36

Out: 49.913+/-0.007 χ^2/NDF:1001068.5/40

All: 50.191+/-0.005 χ^2/NDF: 1911945.8/77

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 74.571+/-86.299 χ^2/NDF:21.5/20

Left: -196.291+/-61.232 χ^2/NDF: 99.7/42

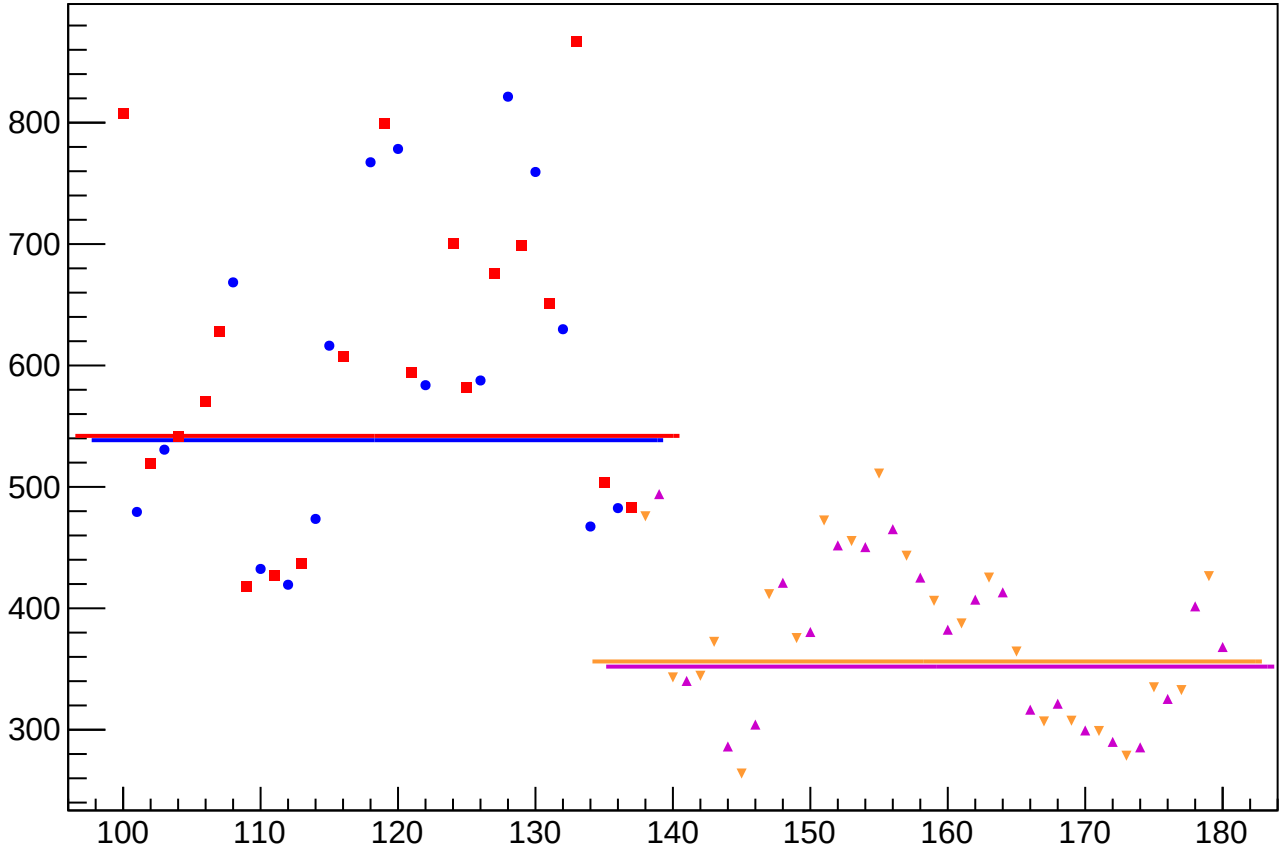
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 35.228+/-79.586 χ^2/NDF:44.2/36

Out: -330.960+/-79.950 χ^2/NDF:86.2/40

All: -147.030+/-56.404 χ^2/NDF: 140.9/77

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: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 351.985+/-0.061 χ^2/NDF:997345.6/20

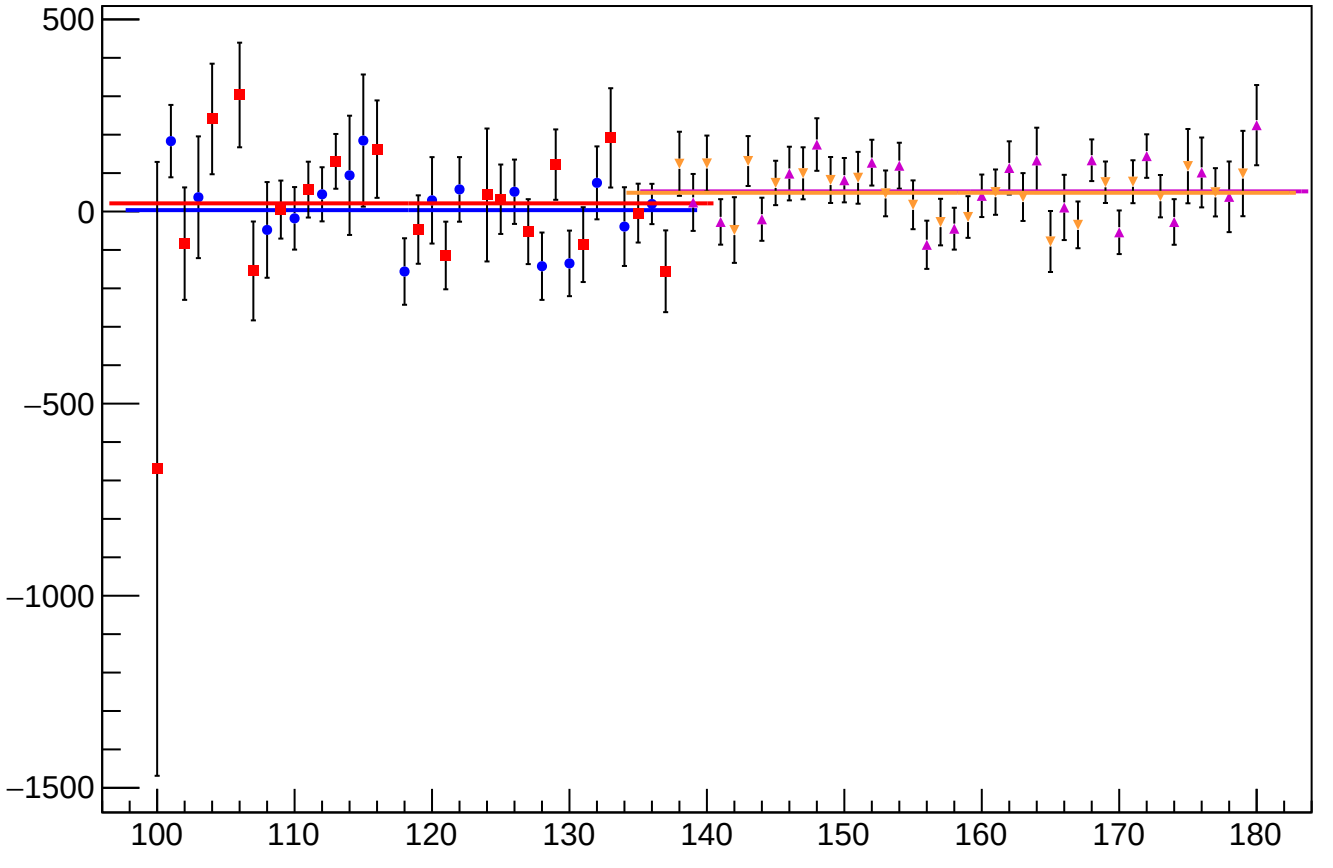
Left: 354.092+/-0.043 χ^2/NDF: 2128021.7/42

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.870+/-0.056 χ^2/NDF:3007856.3/36

Out: 384.735+/-0.057 χ^2/NDF:3162767.2/40

All: 382.292+/-0.040 χ^2/NDF: 6174343.2/77



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.823+/-13.769 χ^2/NDF:15.1/21

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 52.449+/-14.079 χ^2/NDF:33.6/20

Left: 50.596+/-9.844 χ^2/NDF: 48.8/42

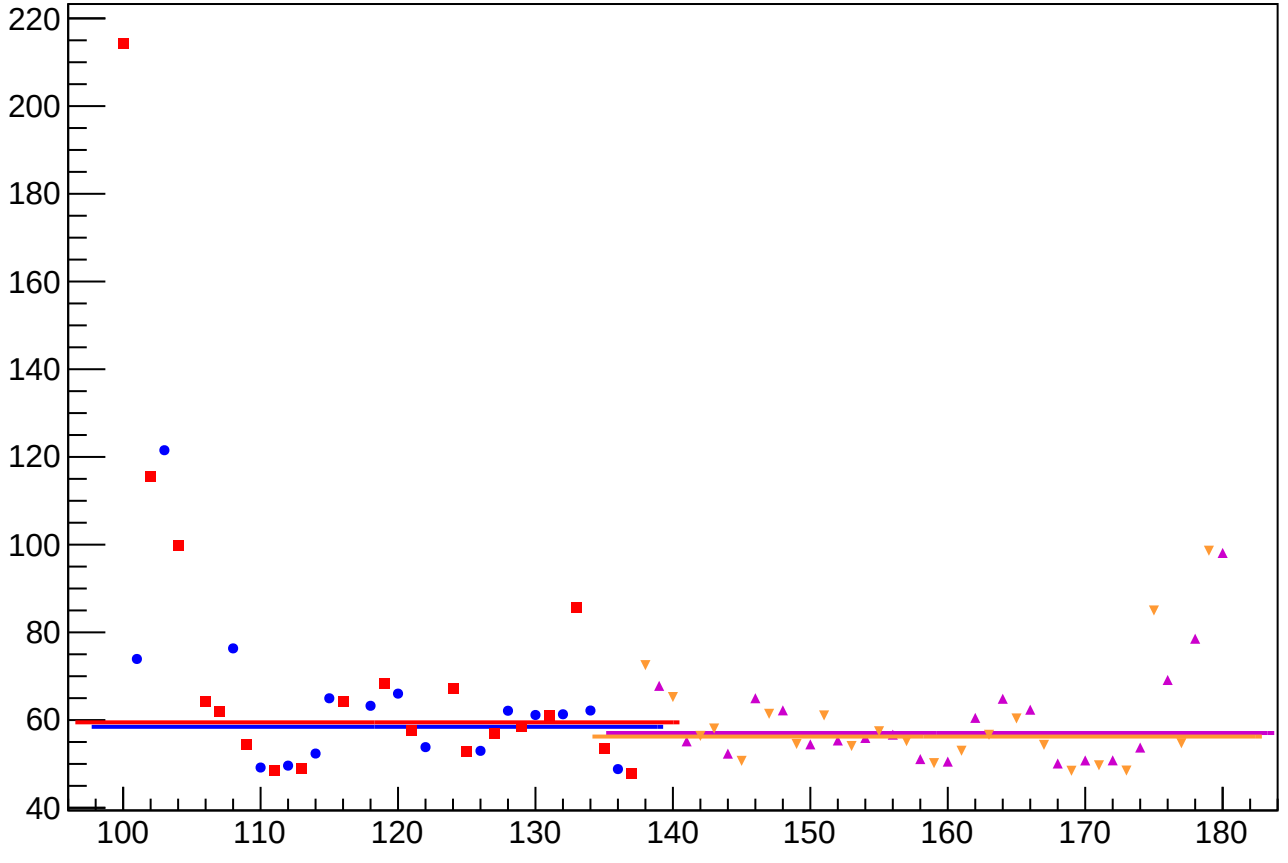
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 38.686+/-11.932 χ^2/NDF:53.1/36

Out: 41.440+/-11.782 χ^2/NDF:40.6/40

All: 40.081+/-8.384 χ^2/NDF: 93.8/77

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.243+/-0.010 χ^2/NDF:770695.6/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.050+/-0.010 χ^2/NDF:724680.8/20

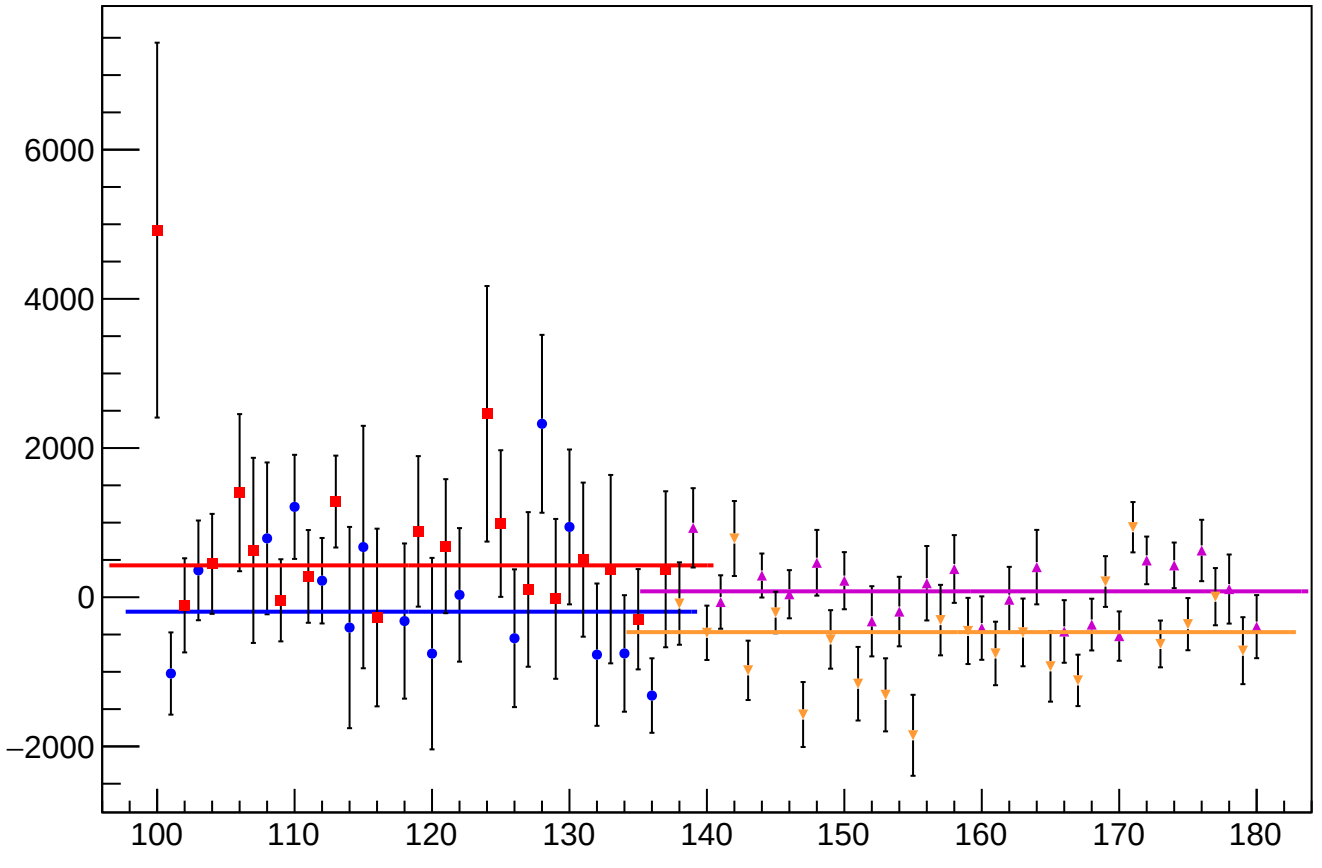
Left: 56.637+/-0.007 χ^2/NDF: 1498737.0/42

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.449+/-0.008 χ^2/NDF:1313361.5/36

Out: 57.111+/-0.008 χ^2/NDF:1585256.8/40

All: 57.277+/-0.006 χ^2/NDF: 2899431.0/77



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 79.022+/-85.488 χ^2/NDF:20.1/20

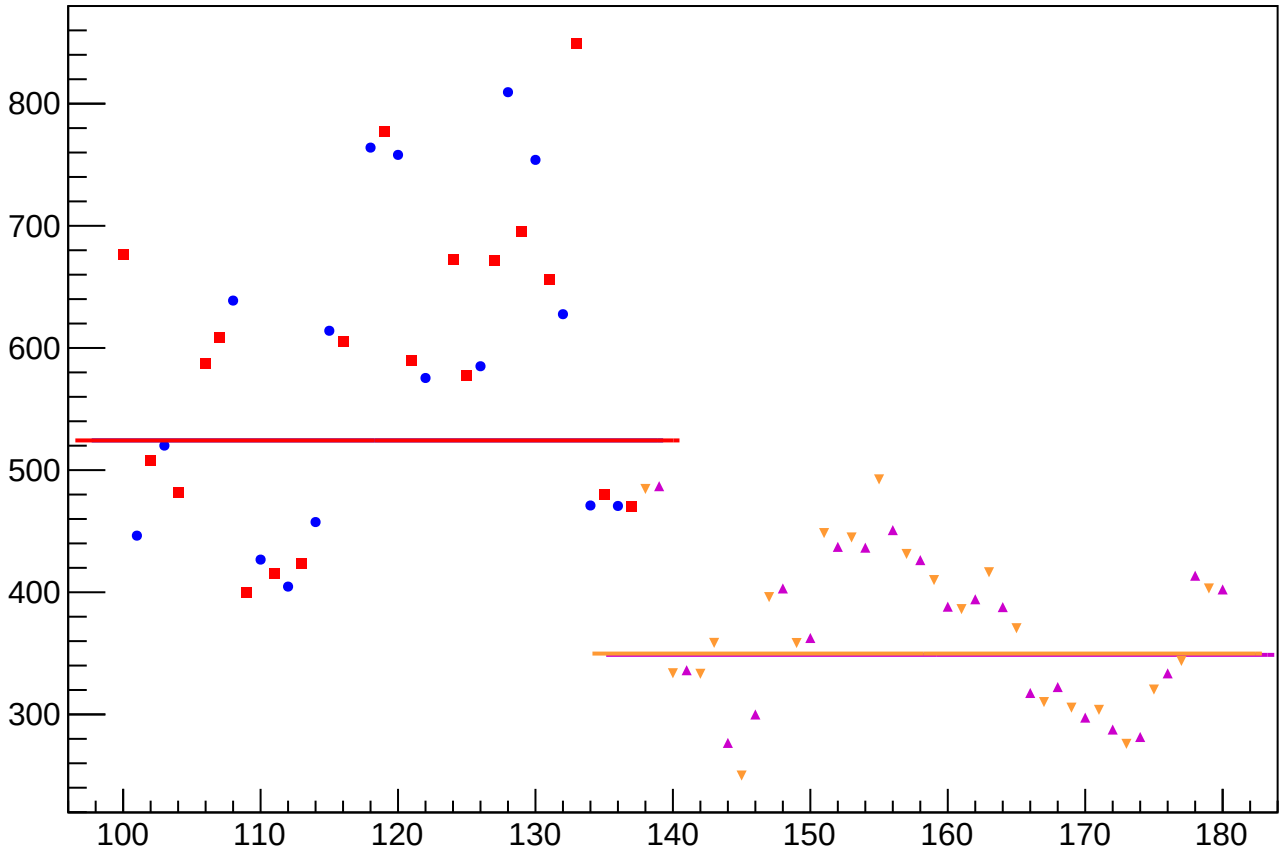
Left: -195.254+/-60.343 χ^2/NDF: 96.4/42

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 37.076+/-78.644 χ^2/NDF:42.5/36

Out: -326.693+/-78.192 χ^2/NDF:84.4/40

All: -145.857+/-55.449 χ^2/NDF: 137.7/77



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 349.810+/-0.060 χ^2/NDF:1110288.6/21

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 348.755+/-0.060 χ^2/NDF:984489.7/20

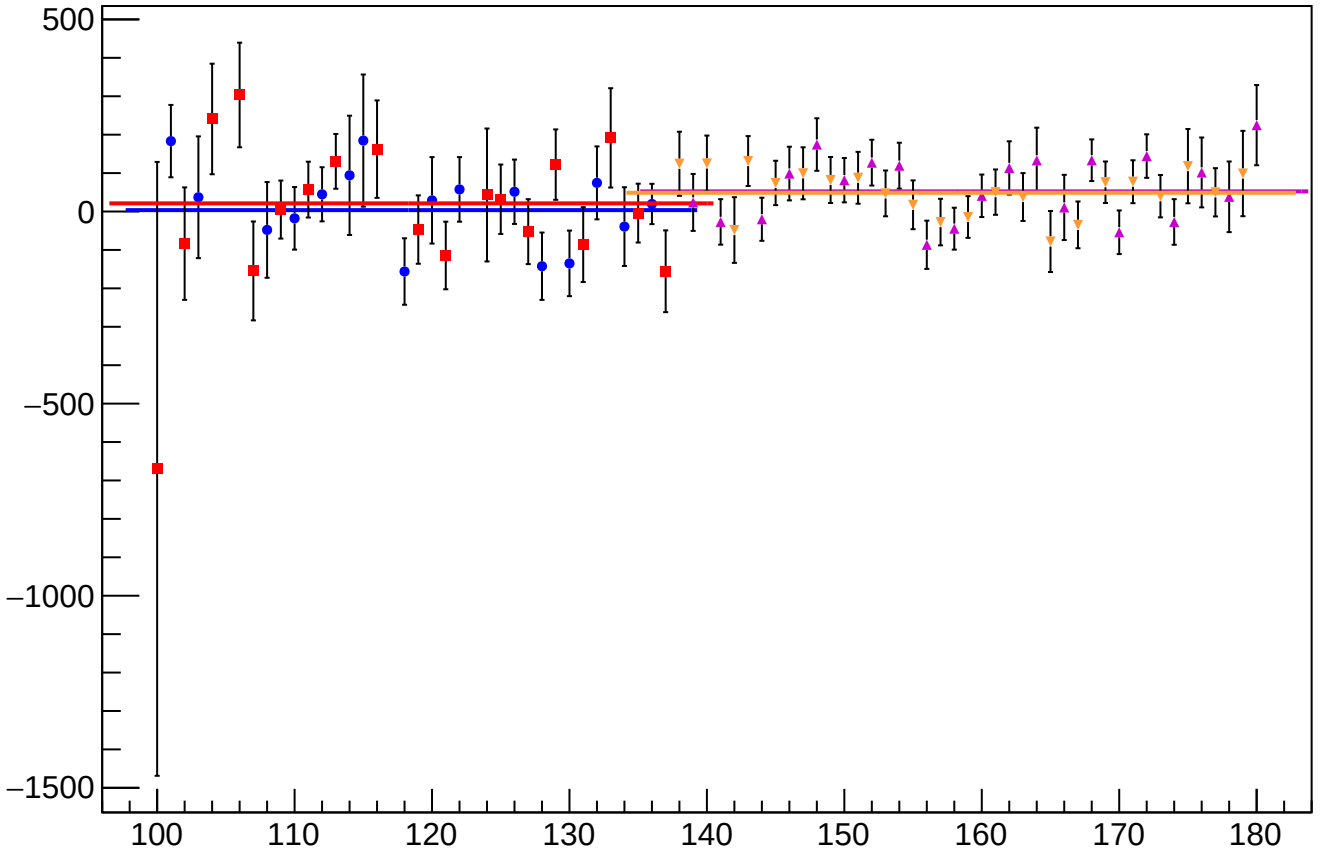
Left: 349.285+/-0.043 χ^2/NDF: 2094931.1/42

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.740+/-0.056 χ^2/NDF:2939516.2/36

Out: 377.299+/-0.055 χ^2/NDF:3118255.5/40

All: 376.524+/-0.039 χ^2/NDF: 6058167.2/77



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.824+/-13.770 χ^2/NDF:15.1/21

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 52.449+/-14.079 χ^2/NDF:33.6/20

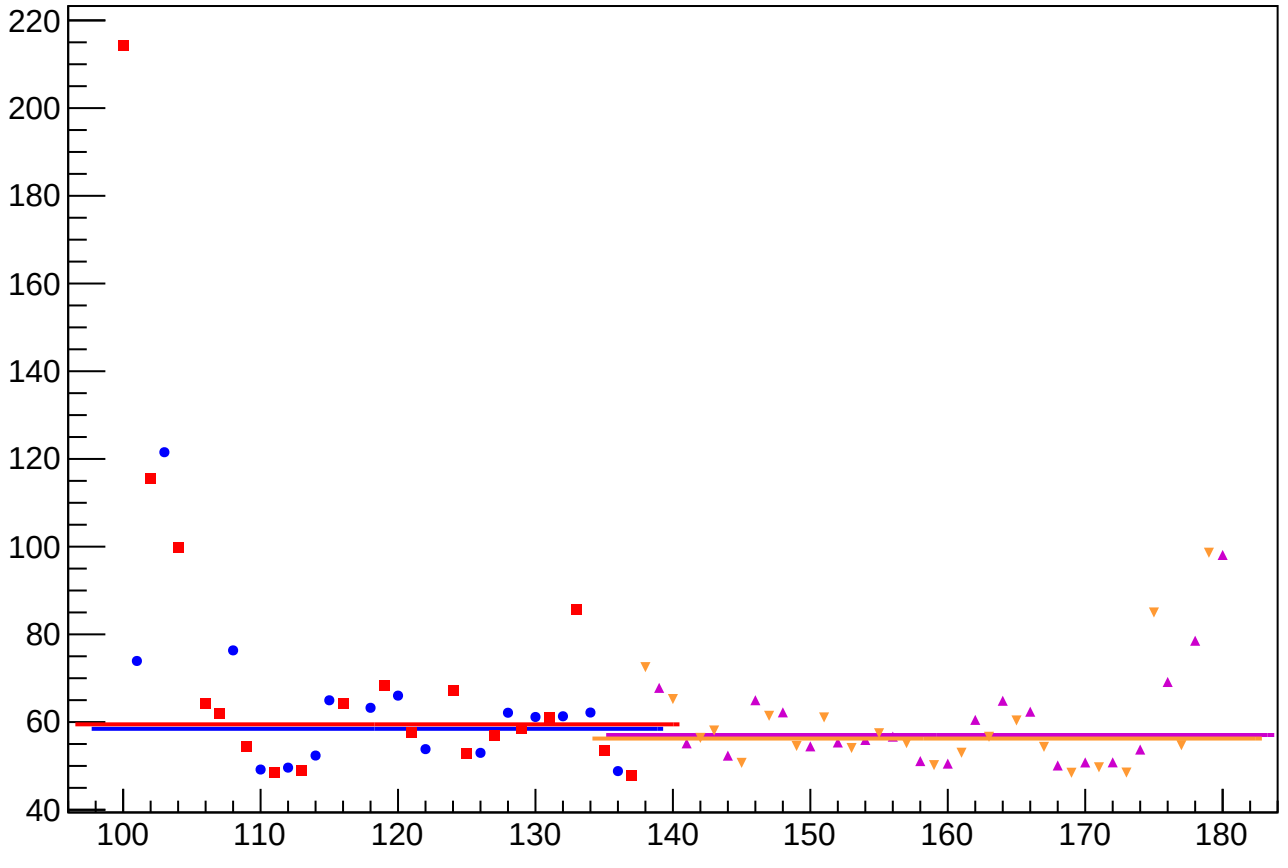
Left: 50.596+/-9.844 χ^2/NDF: 48.8/42

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 38.686+/-11.932 χ^2/NDF:53.1/36

Out: 41.440+/-11.782 χ^2/NDF:40.6/40

All: 40.080+/-8.384 χ^2/NDF: 93.8/77



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.243+/-0.010 χ^2/NDF:770698.1/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.050+/-0.010 χ^2/NDF:724670.0/20

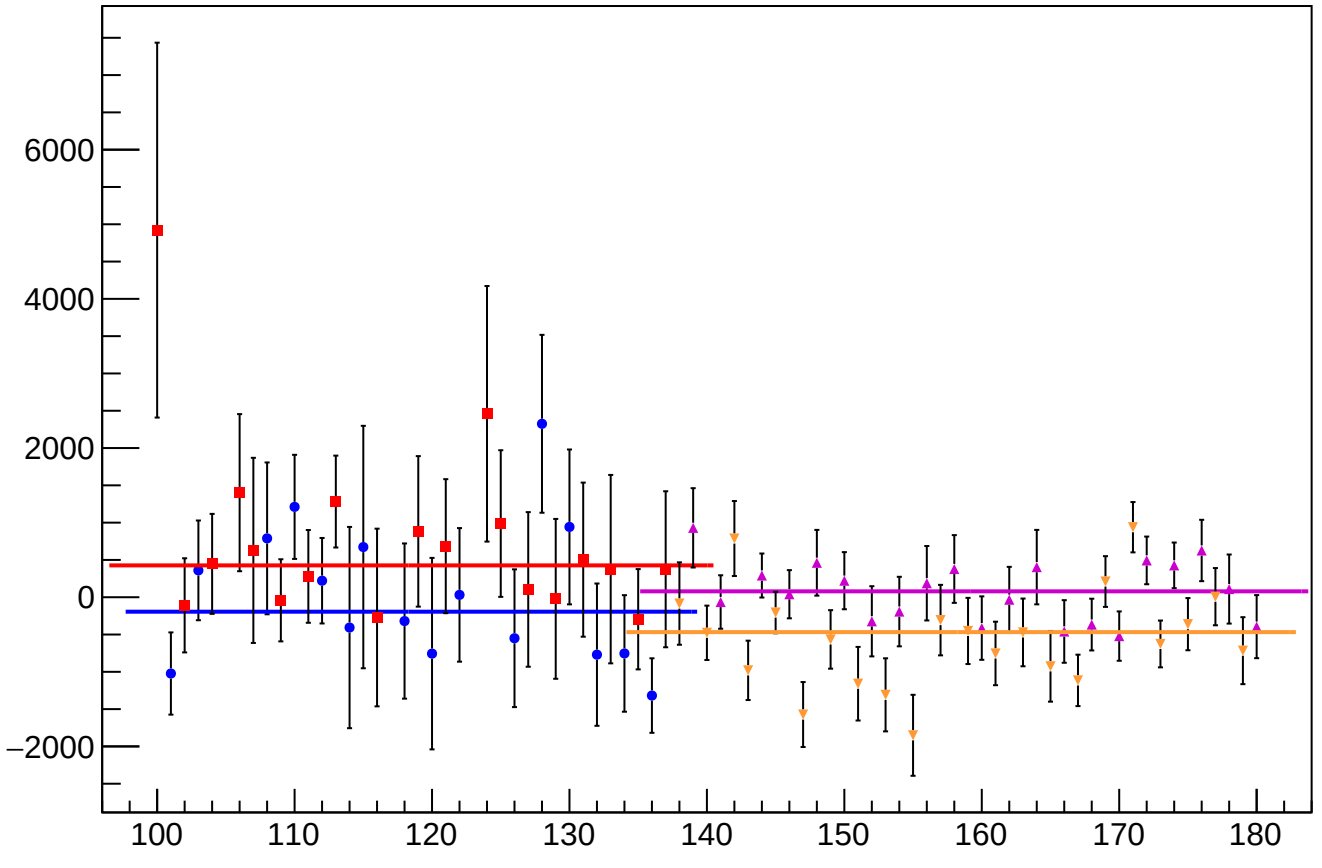
Left: 56.637+/-0.007 χ^2/NDF: 1498729.0/42

Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.449+/-0.008 χ^2/NDF:1313347.0/36

Out: 57.111+/-0.008 χ^2/NDF:1585259.9/40

All: 57.278+/-0.006 χ^2/NDF: 2899419.6/77



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 79.022+/-85.487 χ^2/NDF:20.1/20

Left: -195.254+/-60.343 χ^2/NDF: 96.4/42

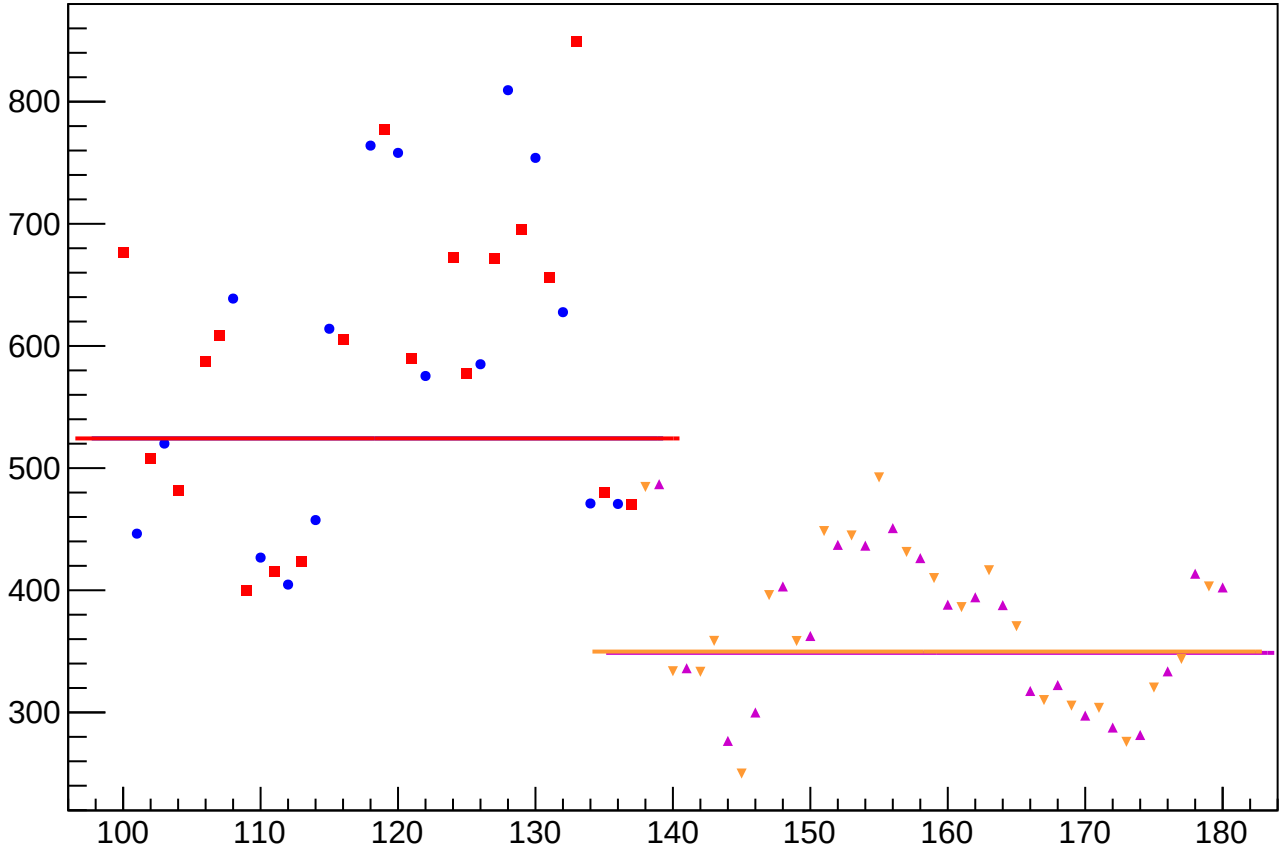
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 37.075+/-78.644 χ^2/NDF:42.5/36

Out: -326.693+/-78.192 χ^2/NDF:84.4/40

All: -145.857+/-55.449 χ^2/NDF: 137.7/77

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: 349.810+/-0.060 χ^2/NDF:1110284.0/21

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 348.755+/-0.060 χ^2/NDF:984483.0/20

Left: 349.284+/-0.043 χ^2/NDF: 2094919.8/42

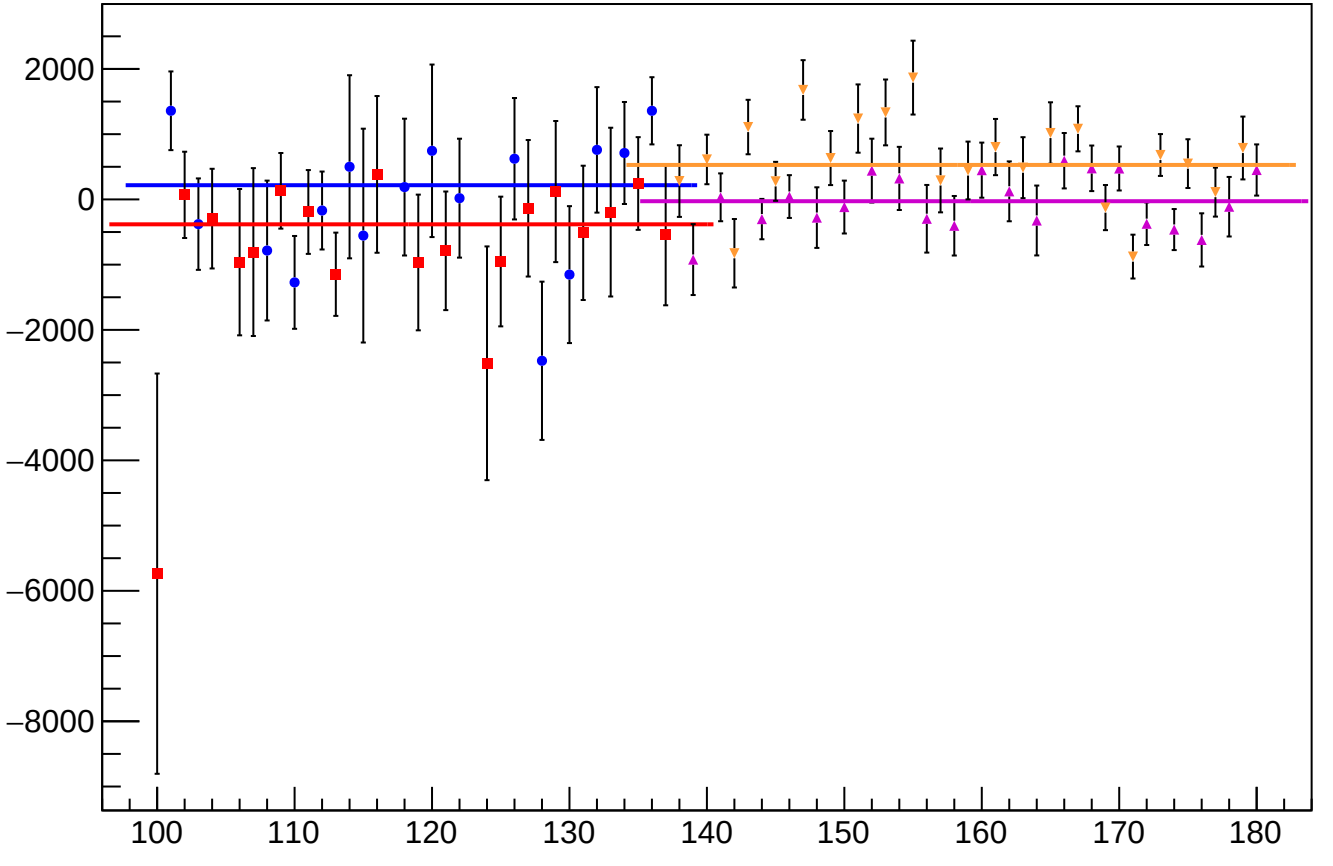
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.739+/-0.056 χ^2/NDF:2939506.1/36

Out: 377.299+/-0.055 χ^2/NDF:3118246.5/40

All: 376.524+/-0.039 χ^2/NDF: 6058148.1/77

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 528.432+/-87.787 χ^2/NDF:53.1/21

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -27.627+/-87.231 χ^2/NDF:21.1/20

Left: 248.636+/-61.877 χ^2/NDF: 94.3/42

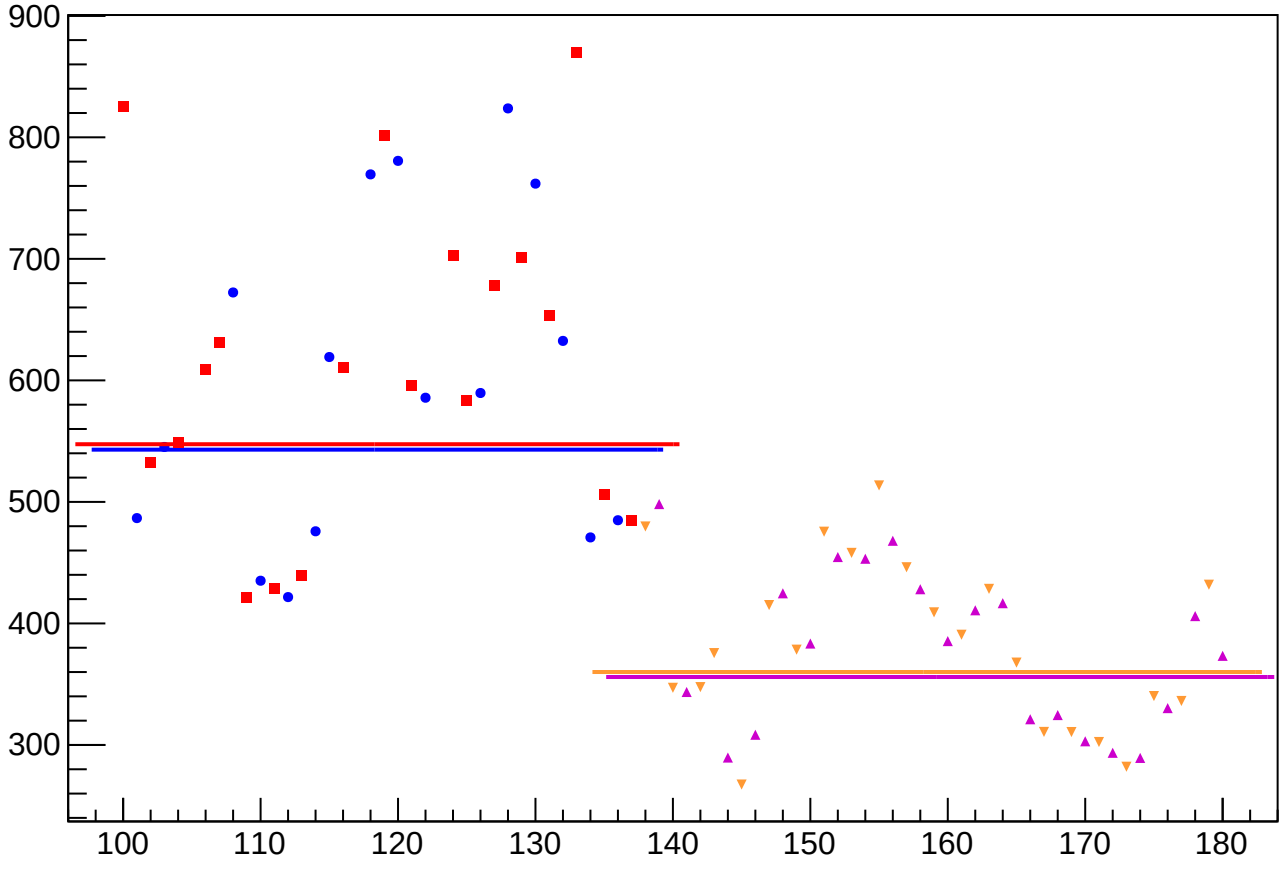
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 9.228+/-80.413 χ^2/NDF:45.2/36

Out: 388.053+/-80.734 χ^2/NDF:79.6/40

All: 197.886+/-56.974 χ^2/NDF: 135.8/77

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 360.035+/-0.062 χ^2/NDF:1102995.0/21

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 355.922+/-0.062 χ^2/NDF:973362.5/20

Left: 357.965+/-0.044 χ^2/NDF: 2078566.3/42

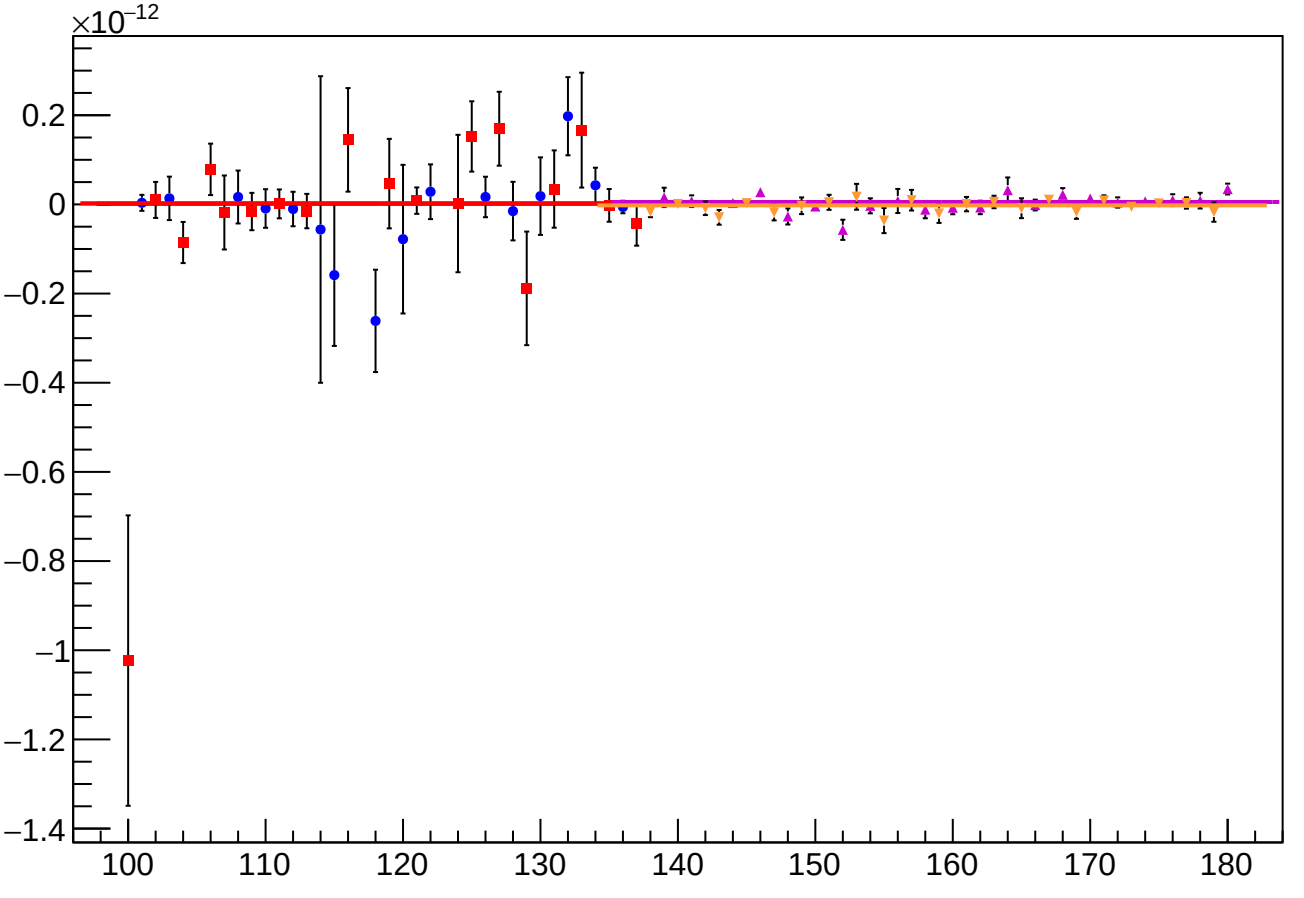
Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 384.020+/-0.057 χ^2/NDF:2960205.5/36

Out: 388.940+/-0.057 χ^2/NDF:3139268.6/40

All: 386.470+/-0.040 χ^2/NDF: 6103202.6/77

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:27.7/20

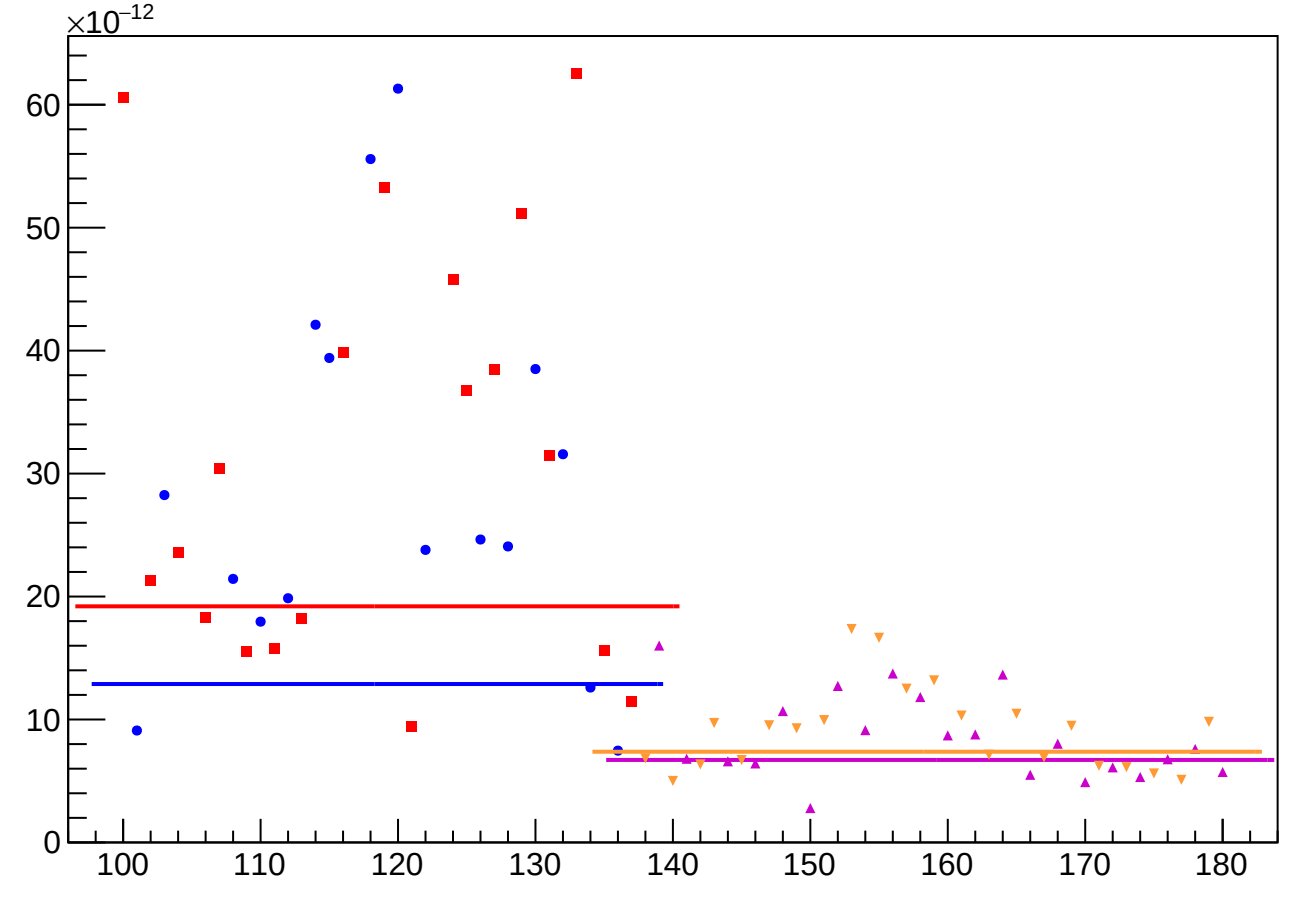
Left: 0.000+/-0.000 χ^2/NDF: 43.8/42

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:41.5/36

Out: -0.000+/-0.000 χ^2/NDF:43.0/40

All: 0.000+/-0.000 χ^2/NDF: 87.5/77



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373110.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1722204.3/20

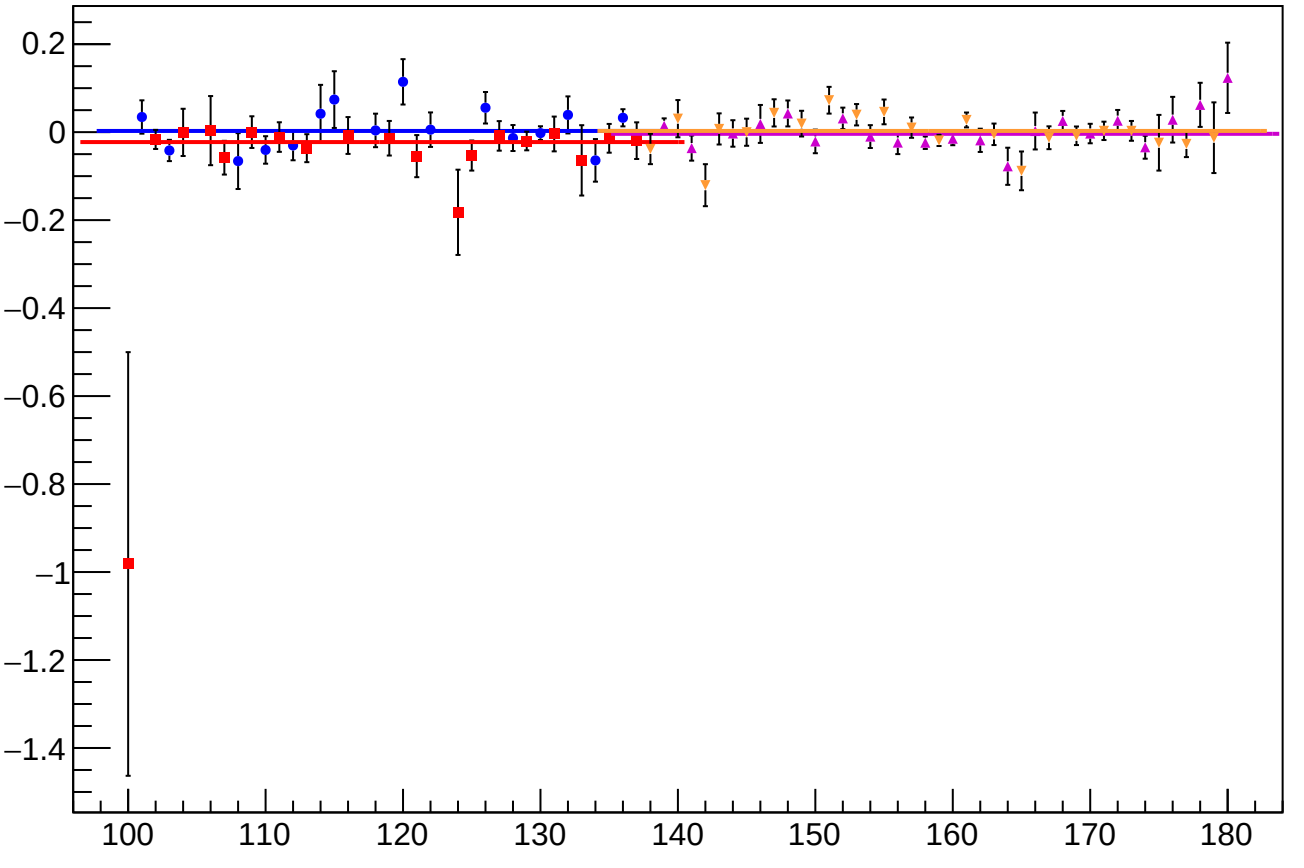
Left: 0.000+/-0.000 χ^2/NDF: 3147246.4/42

Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4320153.8/36

Out: 0.000+/-0.000 χ^2/NDF:4533450.0/40

All: 0.000+/-0.000 χ^2/NDF: 8925717.4/77



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:23.4/20

Left: -0.001+/-0.004 χ^2/NDF: 56.1/42

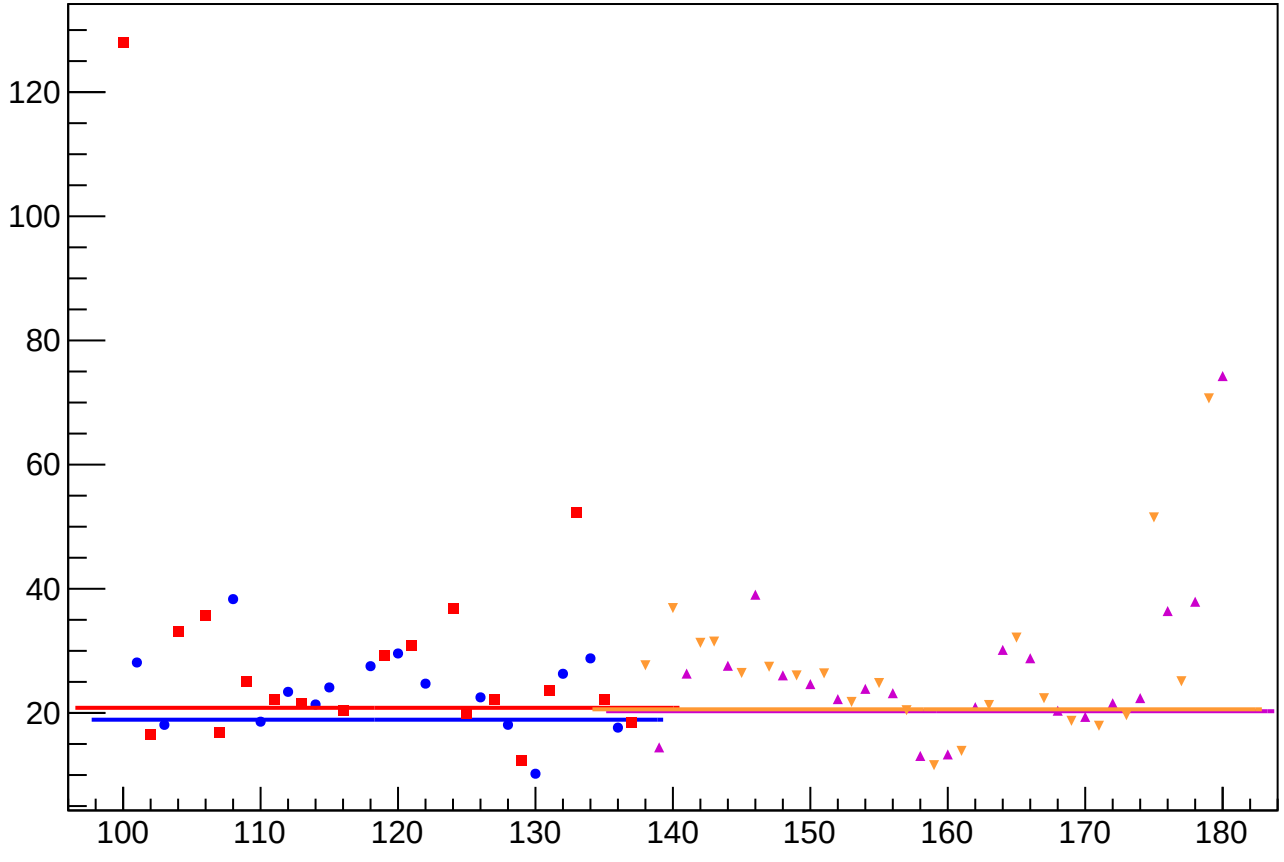
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:45.9/36

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 95.1/77

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: 20.585+/-0.004 χ^2/NDF:3860020.7/21

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

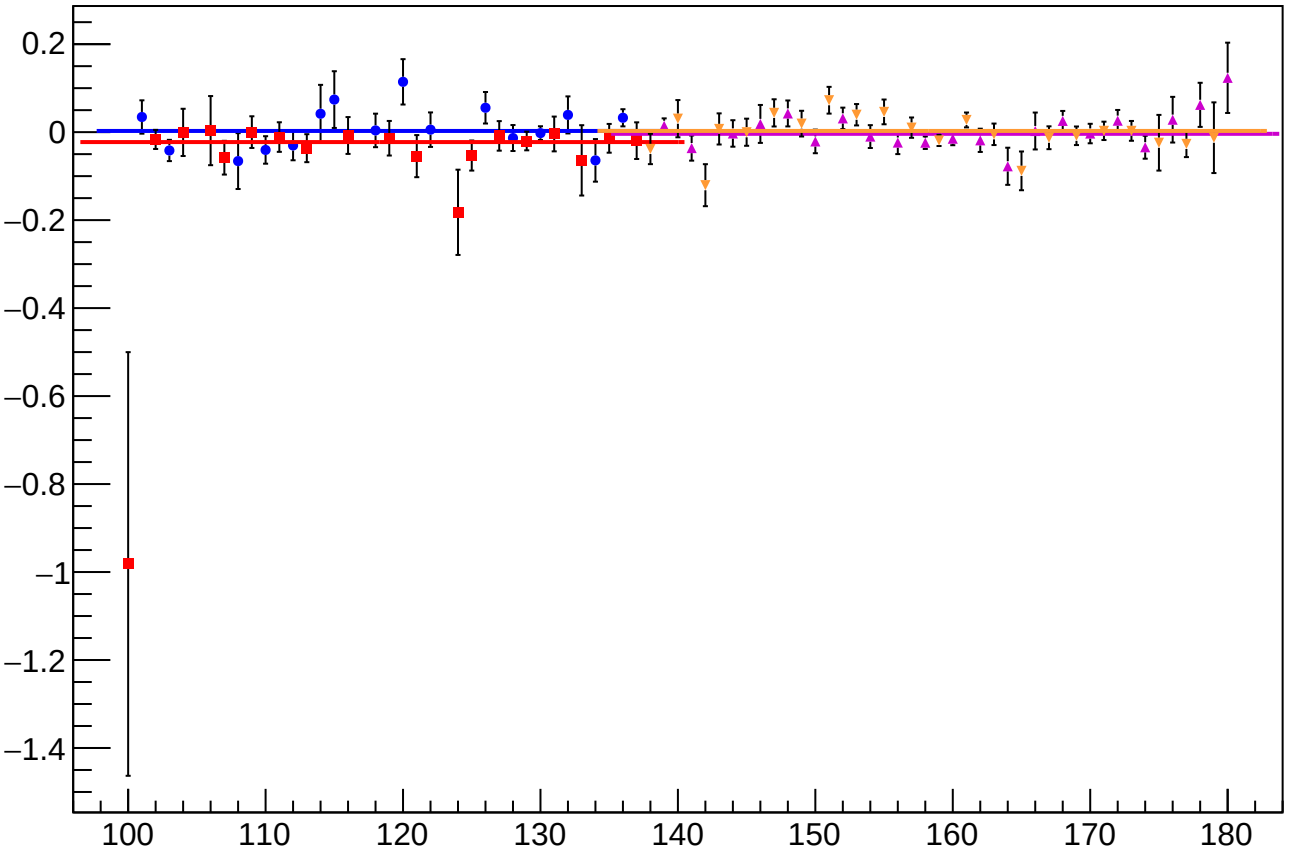
Left: 20.430+/-0.003 χ^2/NDF: 7415230.5/42

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.828+/-0.003 χ^2/NDF:4983490.2/36

Out: 20.656+/-0.003 χ^2/NDF:5152714.0/40

All: 20.231+/-0.002 χ^2/NDF: 10169522.0/77



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:23.4/20

Left: -0.001+/-0.004 χ^2/NDF: 56.1/42

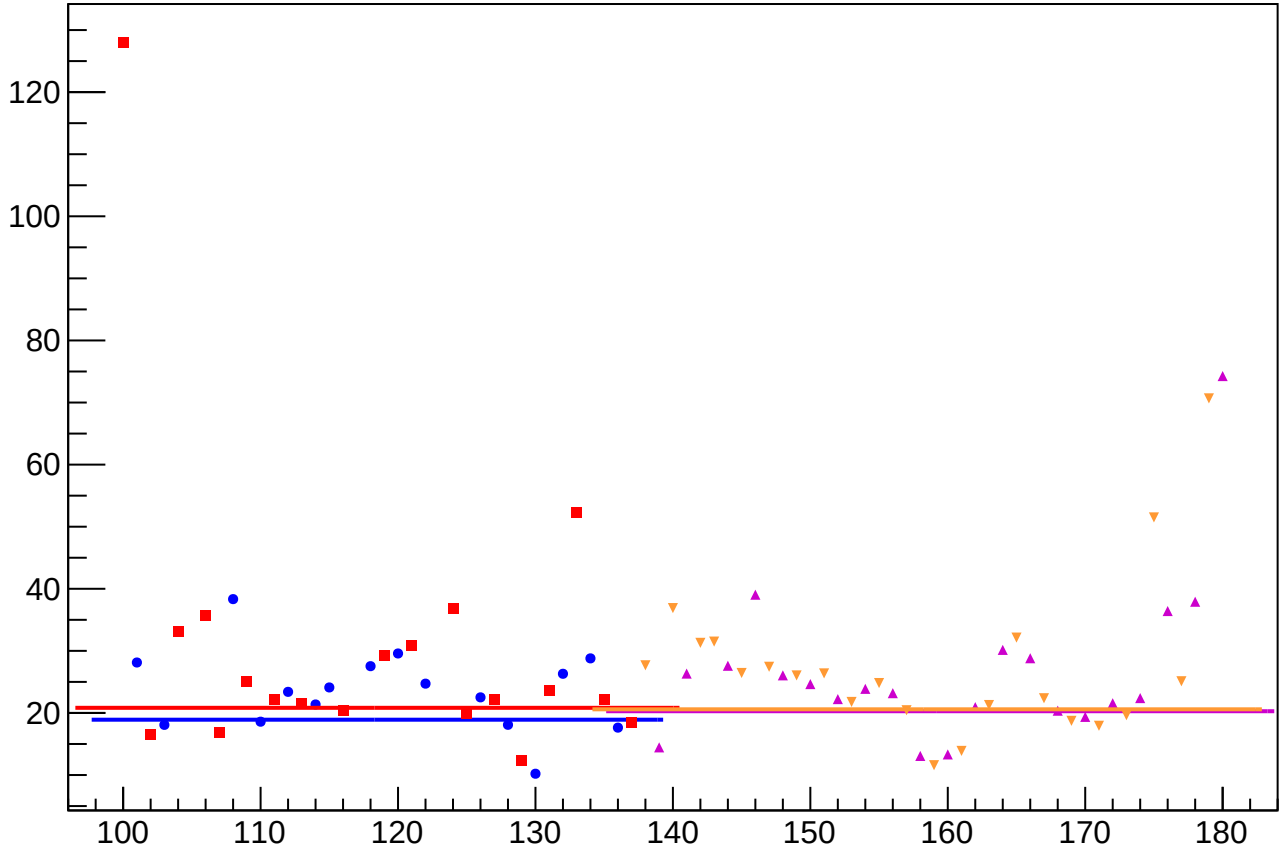
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:45.9/36

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 95.1/77

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860020.7/21

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.276+/-0.004 χ^2/NDF:3552029.1/20

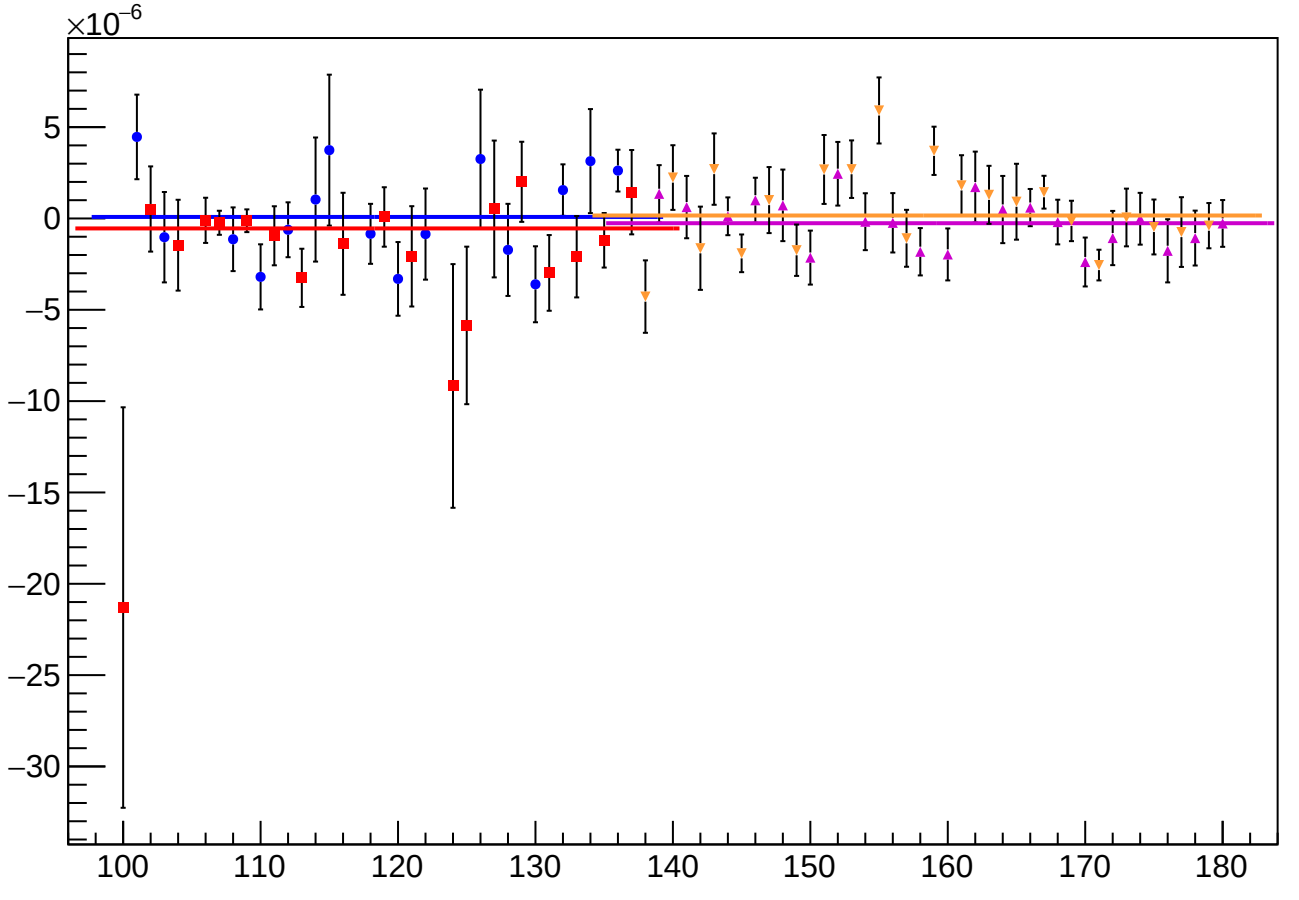
Left: 20.430+/-0.003 χ^2/NDF: 7415230.5/42

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.828+/-0.003 χ^2/NDF:4983490.2/36

Out: 20.656+/-0.003 χ^2/NDF:5152714.0/40

All: 20.231+/-0.002 χ^2/NDF: 10169522.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/20

Left: -0.000+/-0.000 χ^2/NDF: 68.3/42

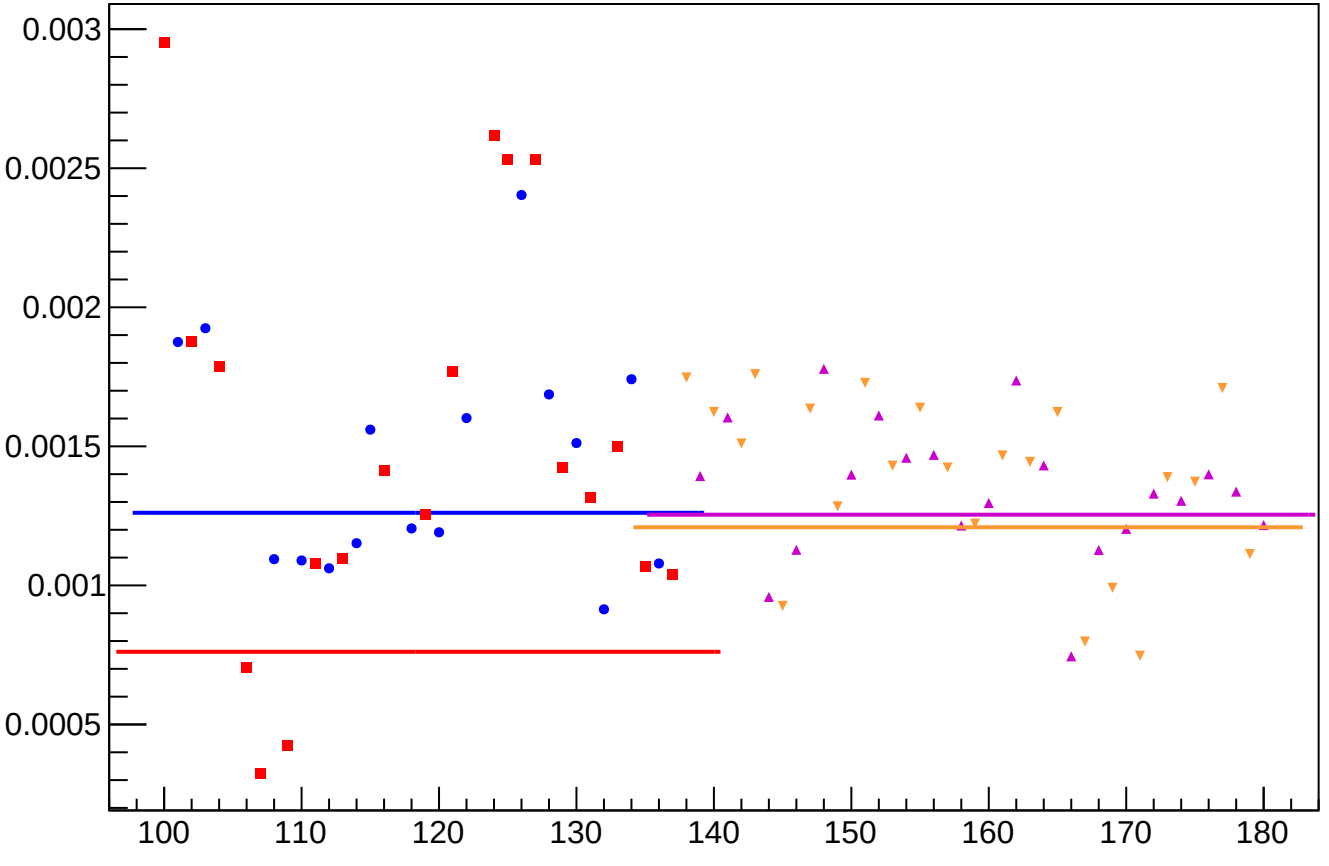
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:39.4/36

Out: -0.000+/-0.000 χ^2/NDF:69.9/40

All: -0.000+/-0.000 χ^2/NDF: 109.3/77

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:2531596.3/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1299294.1/20

Left: 0.001+/-0.000 χ^2/NDF: 3852616.6/42

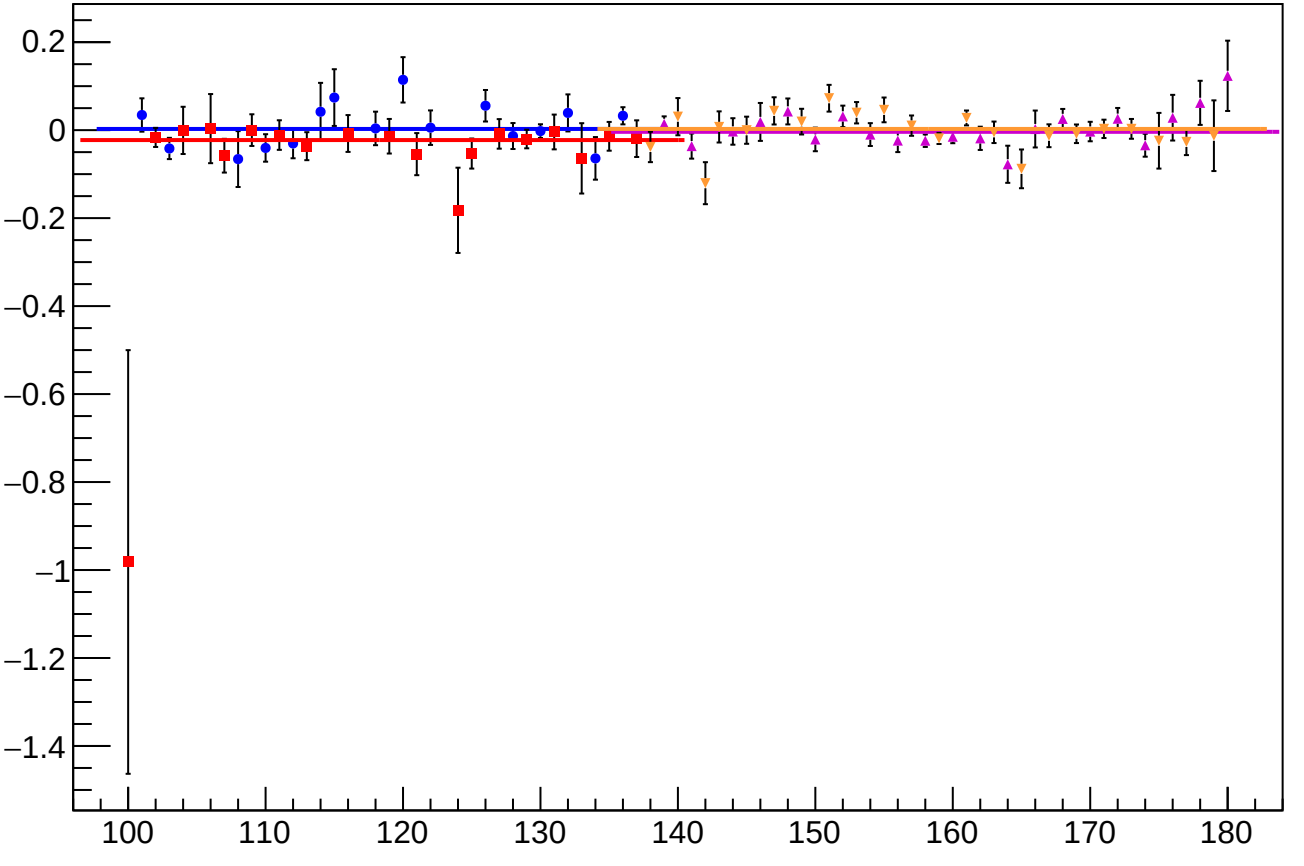
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2206915.9/36

Out: 0.001+/-0.000 χ^2/NDF:9155731.5/40

All: 0.001+/-0.000 χ^2/NDF: 12371784.7/77

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: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:23.4/20

Left: -0.001+/-0.004 χ^2/NDF: 56.1/42

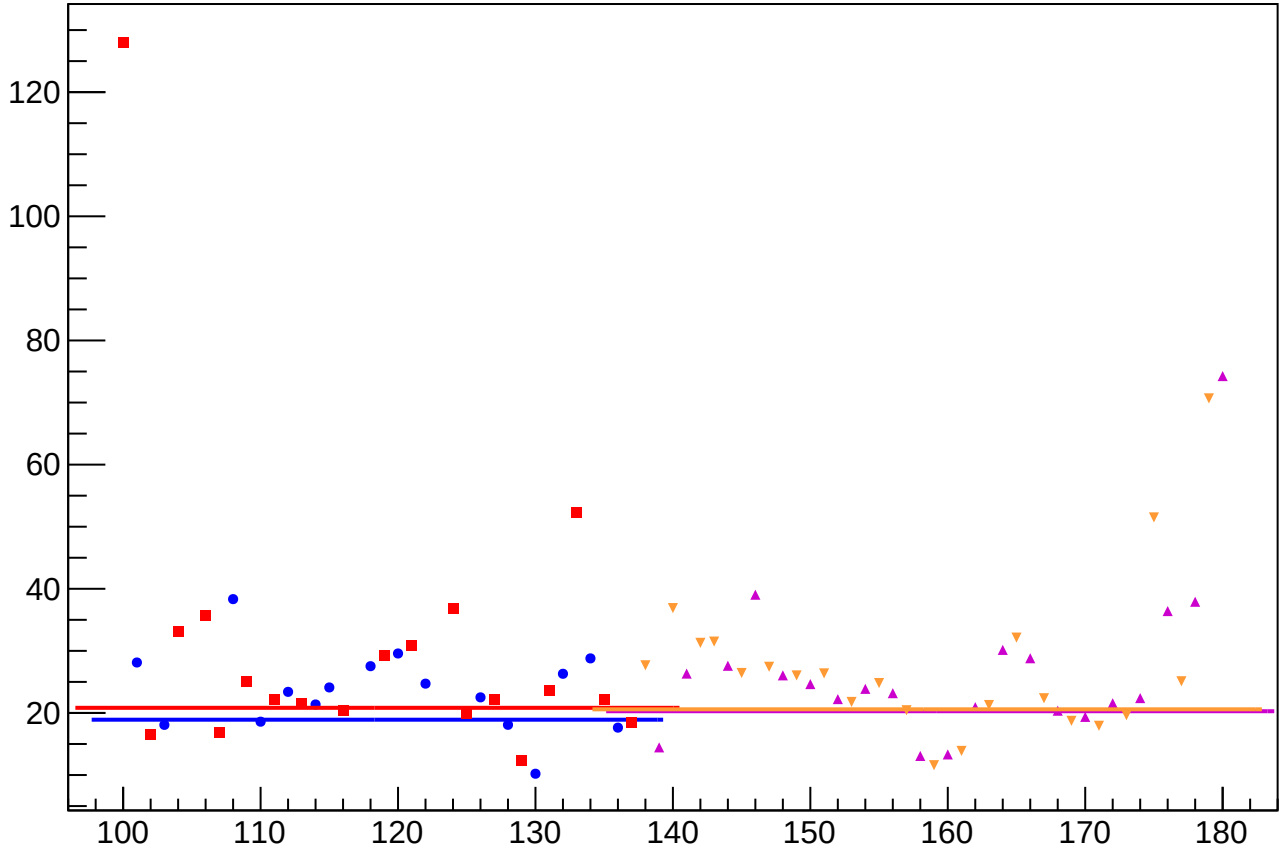
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:45.9/36

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 95.1/77

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: 20.585+/-0.004 χ^2/NDF:3860178.1/21

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

Left: 20.430+/-0.003 χ^2/NDF: 7415400.1/42

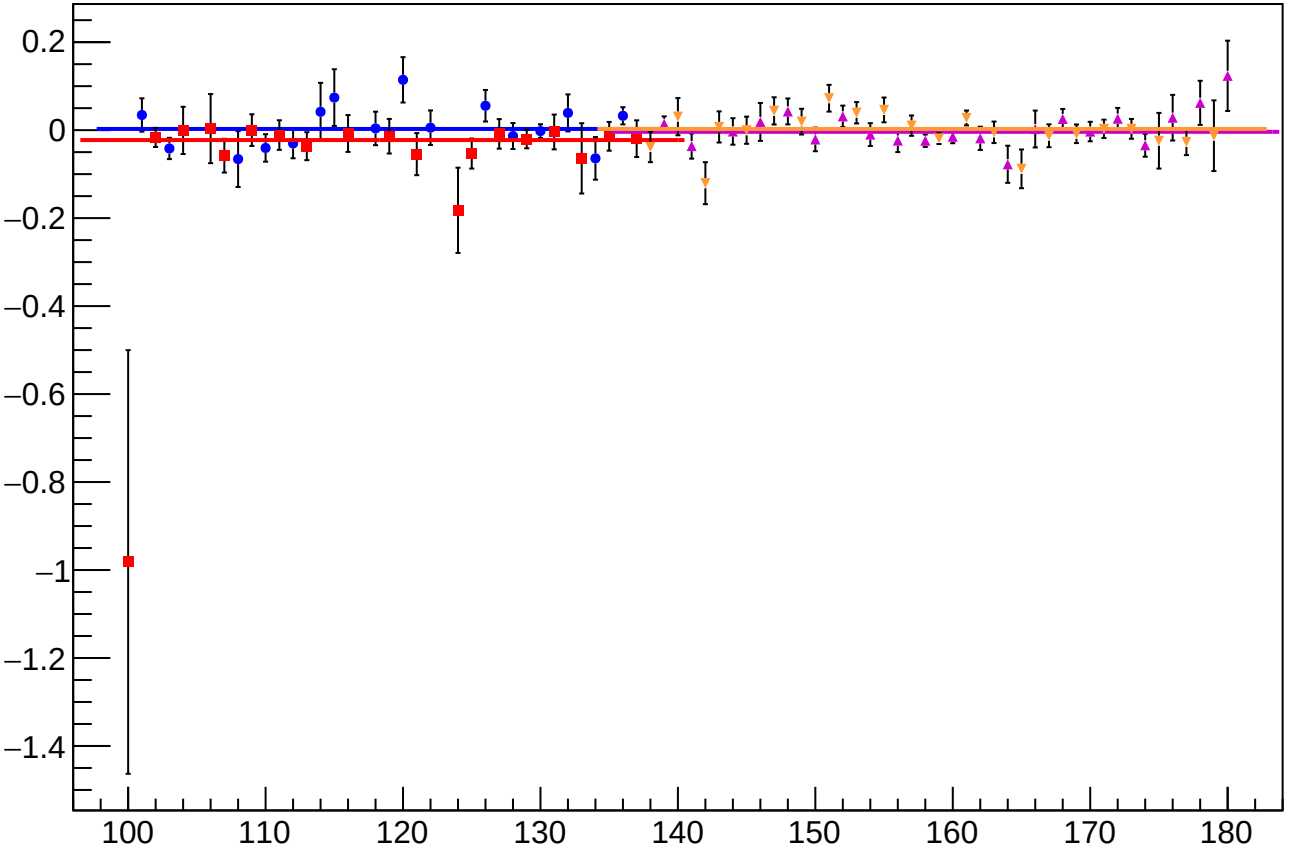
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.829+/-0.003 χ^2/NDF:4983377.2/36

Out: 20.657+/-0.003 χ^2/NDF:5152869.3/40

All: 20.231+/-0.002 χ^2/NDF: 10169548.5/77

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: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:23.4/20

Left: -0.001+/-0.004 χ^2/NDF: 56.1/42

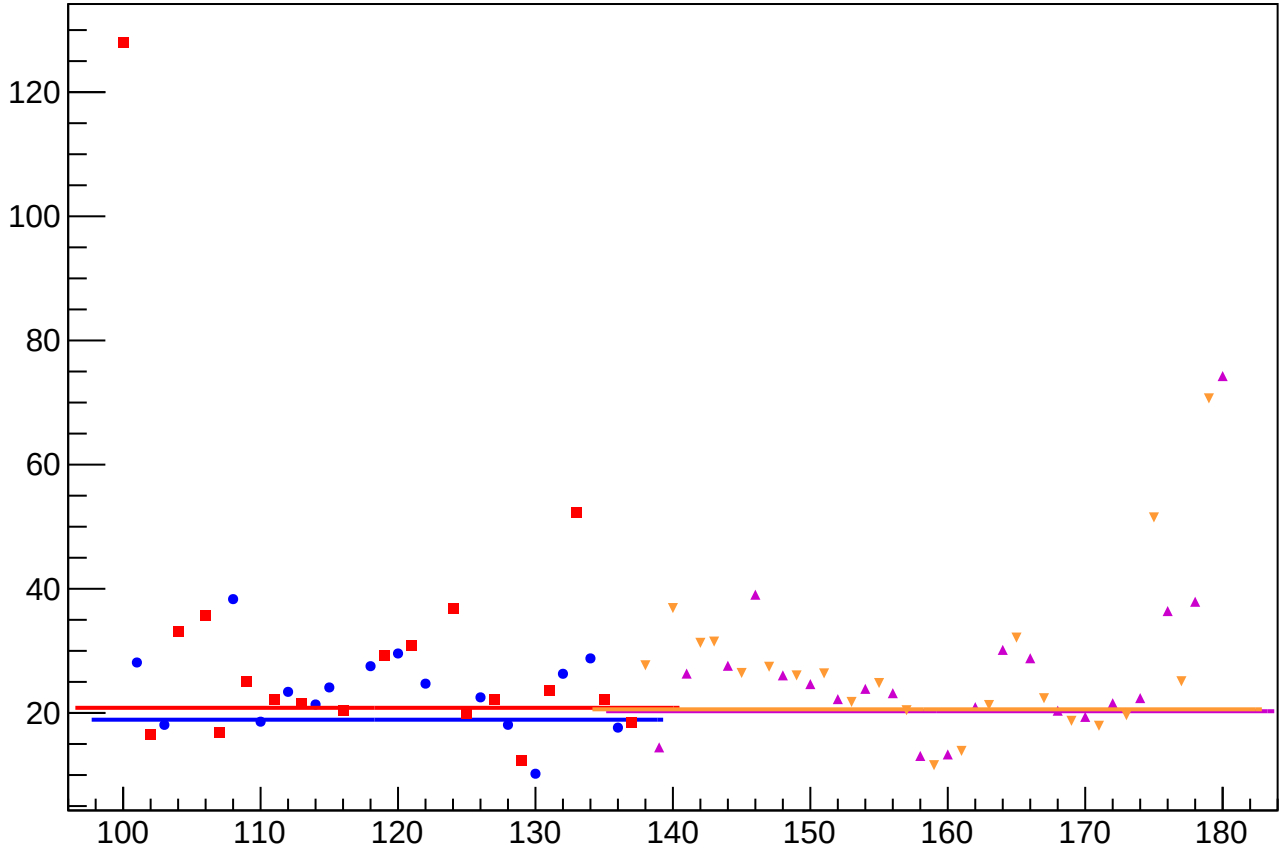
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:45.9/36

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 95.1/77

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: 20.585+/-0.004 χ^2/NDF:3860178.1/21

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.277+/-0.004 χ^2/NDF:3552044.8/20

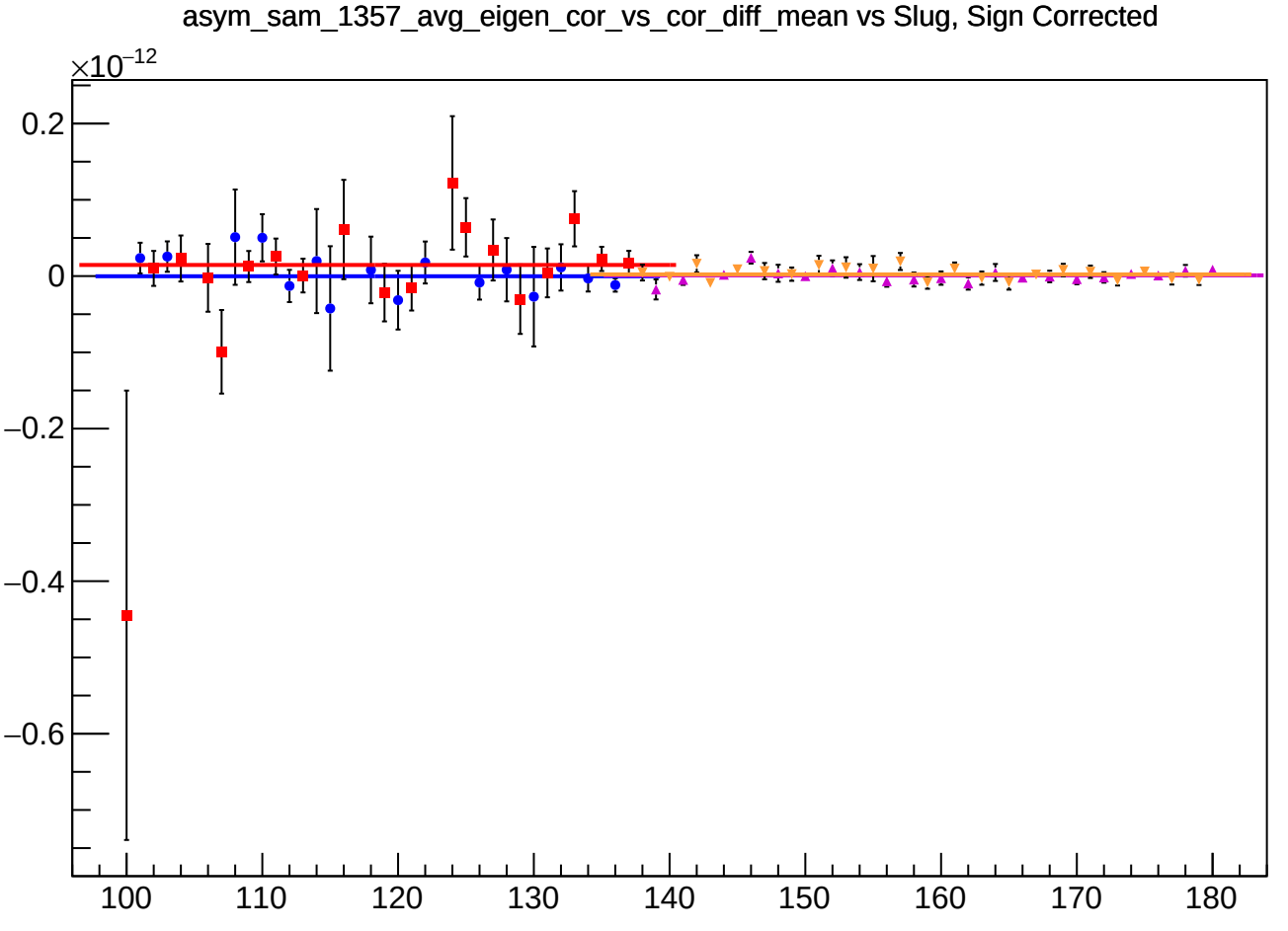
Left: 20.430+/-0.003 χ^2/NDF: 7415400.1/42

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.829+/-0.003 χ^2/NDF:4983377.2/36

Out: 20.657+/-0.003 χ^2/NDF:5152869.3/40

All: 20.231+/-0.002 χ^2/NDF: 10169548.5/77



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/20

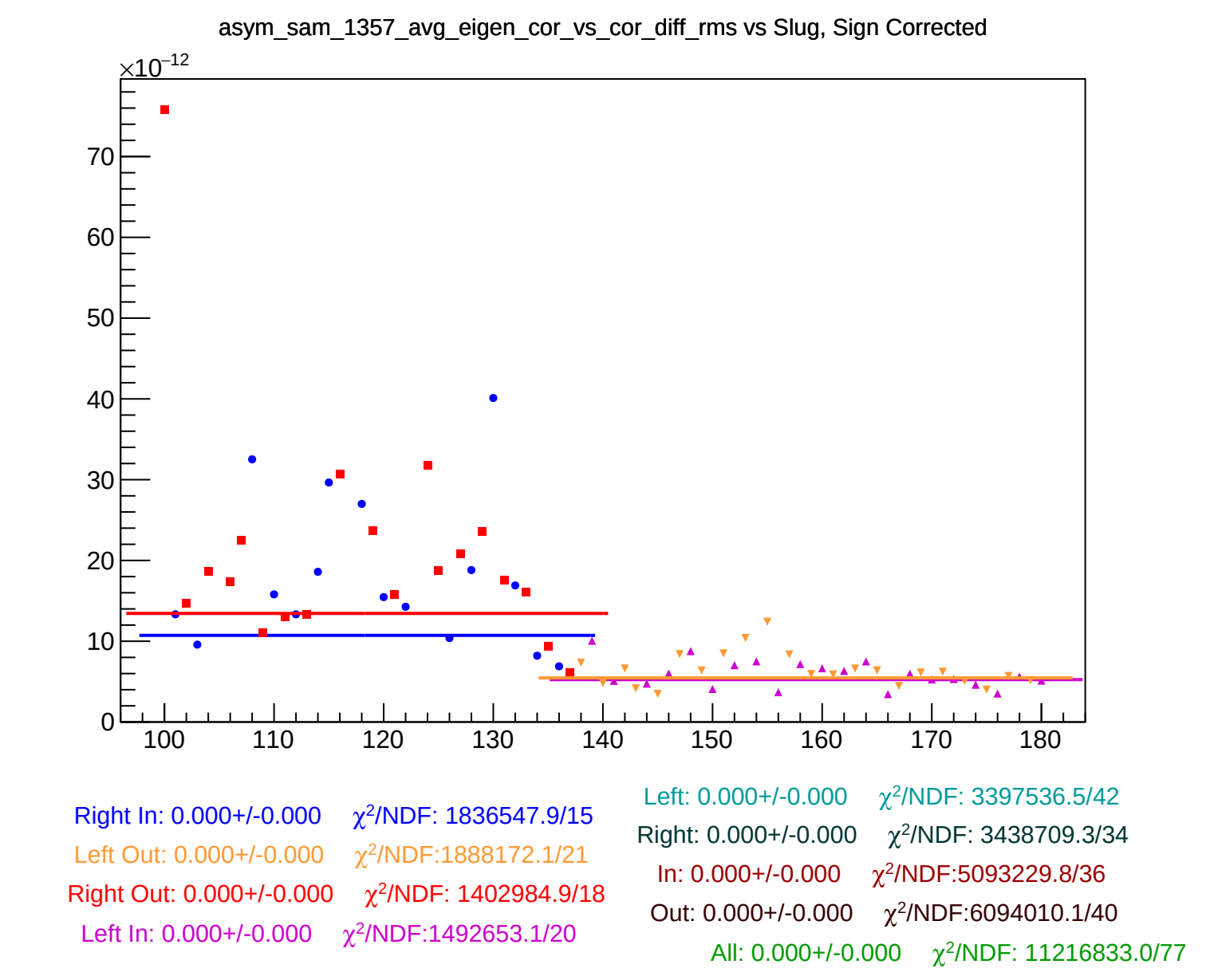
Left: 0.000+/-0.000 χ^2/NDF: 38.9/42

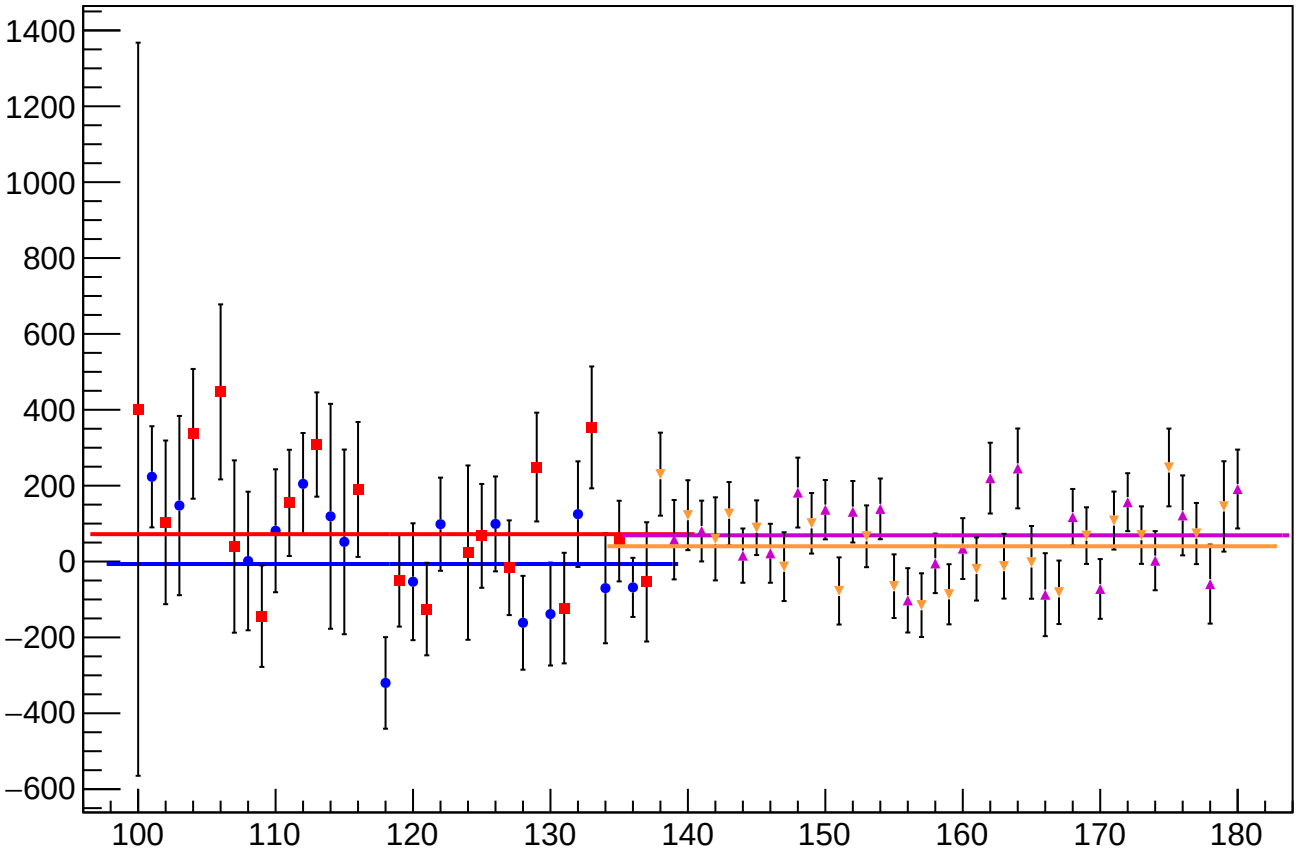
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:30.1/36

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 71.0/77


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1888172.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1492653.1/20
Left: 0.000+/-0.000 χ²/NDF: 3397536.5/42
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:5093229.8/36
Out: 0.000+/-0.000 χ²/NDF:6094010.1/40
All: 0.000+/-0.000 χ²/NDF: 11216833.0/77



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.242+/-18.264 χ^2/NDF:25.0/21

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 69.130+/-18.577 χ^2/NDF:26.0/20

Left: 54.441+/-13.024 χ^2/NDF: 52.3/42

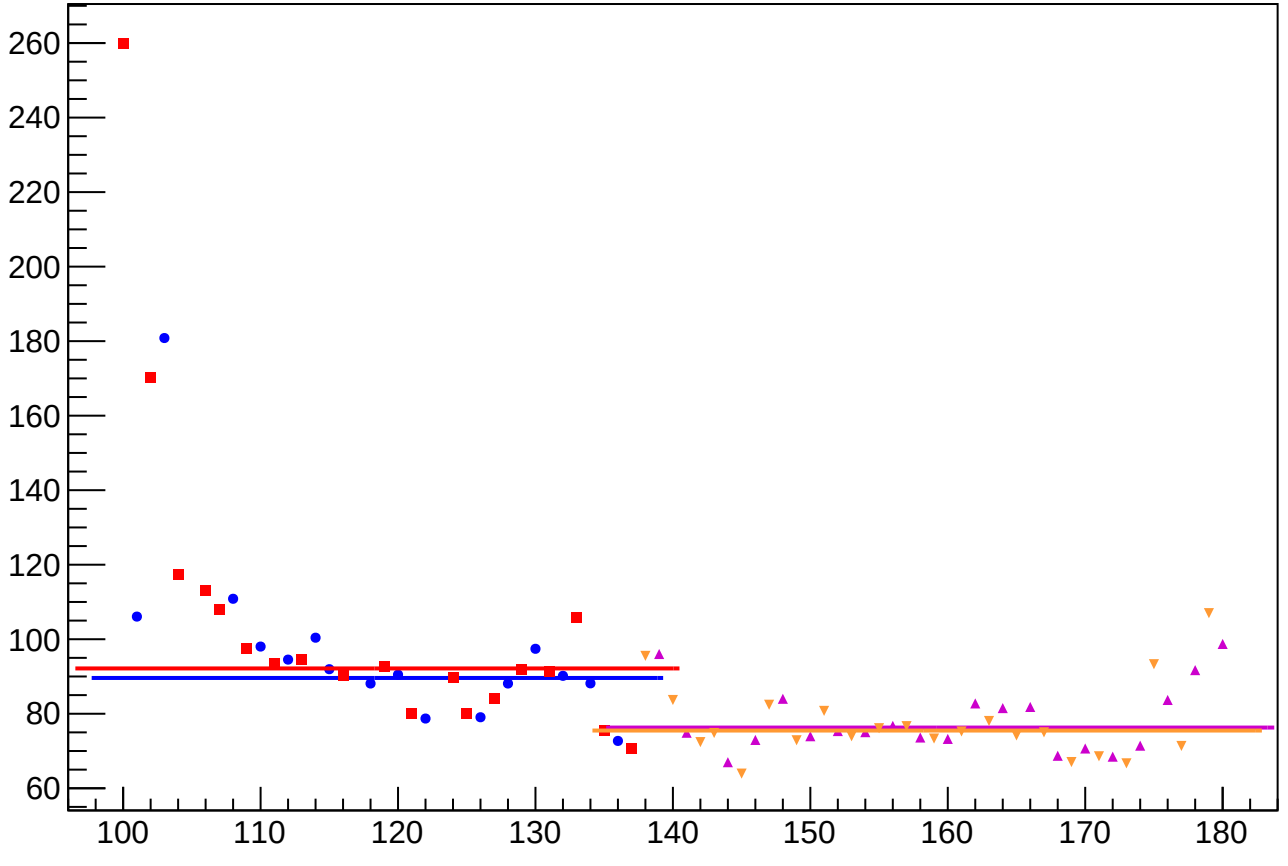
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.952+/-16.334 χ^2/NDF:48.7/36

Out: 47.102+/-16.181 χ^2/NDF:48.5/40

All: 49.504+/-11.495 χ^2/NDF: 97.2/77

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

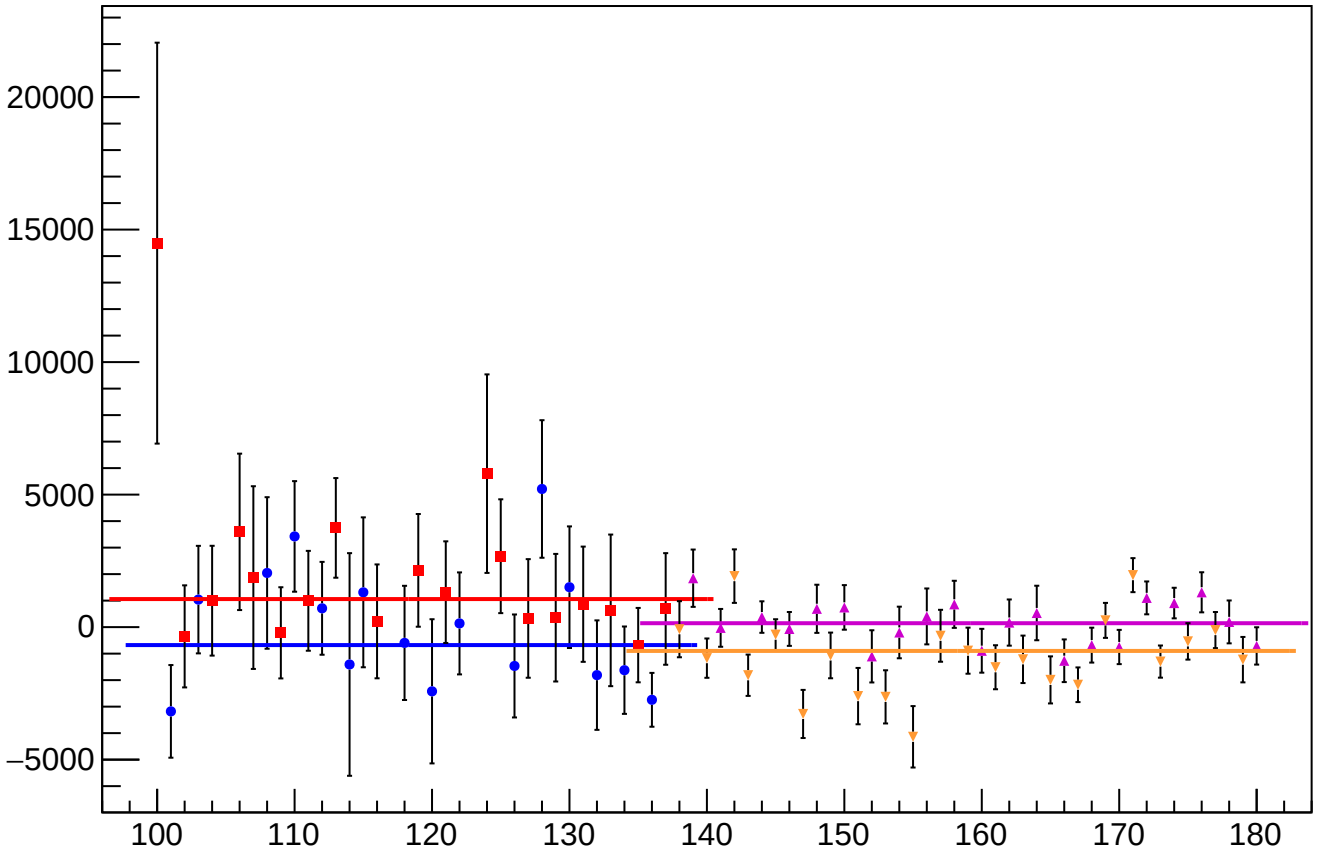
Left: 75.886+/-0.009 χ^2/NDF: 795651.0/42

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.313+/-0.012 χ^2/NDF:1088879.5/36

Out: 79.079+/-0.011 χ^2/NDF:1336810.1/40

All: 79.195+/-0.008 χ^2/NDF: 2425895.2/77



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -898.122+/-168.533 χ^2/NDF:62.7/21

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 147.722+/-167.022 χ^2/NDF:22.4/20

Left: -370.490+/-118.633 χ^2/NDF: 104.6/42

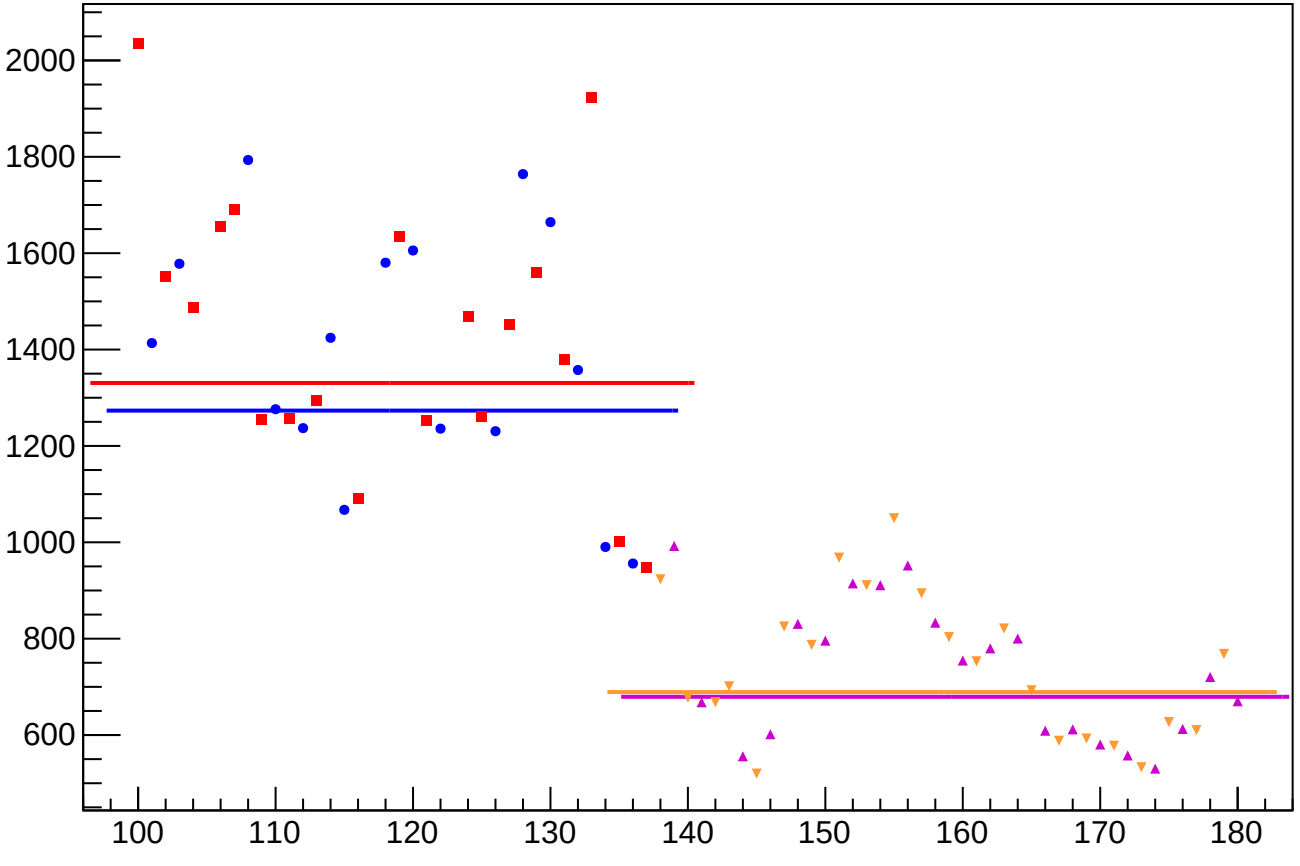
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 60.719+/-157.971 χ^2/NDF:45.2/36

Out: -695.834+/-159.585 χ^2/NDF:88.1/40

All: -313.713+/-112.268 χ^2/NDF: 144.7/77

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: 689.190+/-0.119 χ^2/NDF:1289323.7/21

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 679.402+/-0.118 χ^2/NDF:1184492.9/20

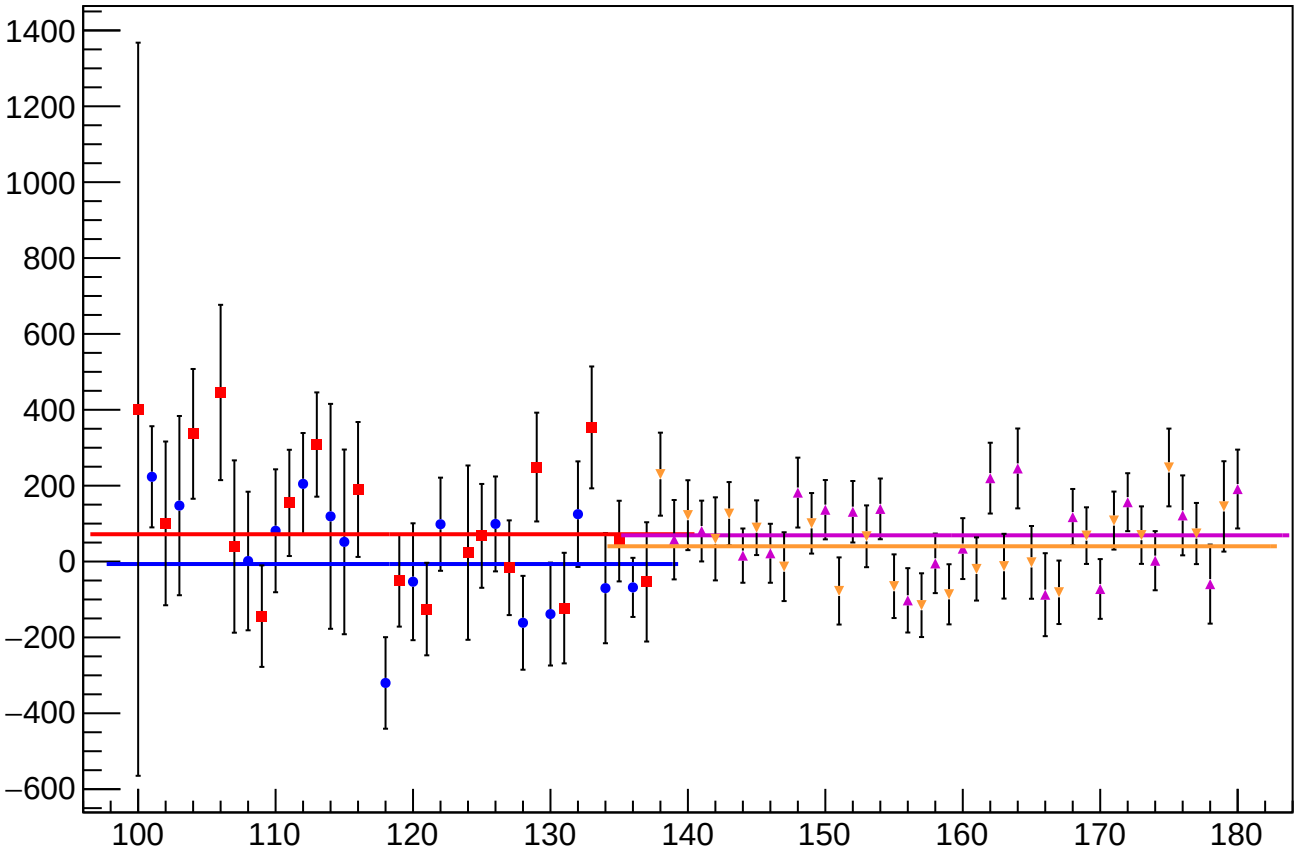
Left: 684.252+/-0.084 χ^2/NDF: 2477220.2/42

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 742.028+/-0.112 χ^2/NDF:4448669.0/36

Out: 755.503+/-0.113 χ^2/NDF:4755392.8/40

All: 748.697+/-0.079 χ^2/NDF: 9211264.2/77



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.130+/-18.577 χ^2/NDF:26.0/20

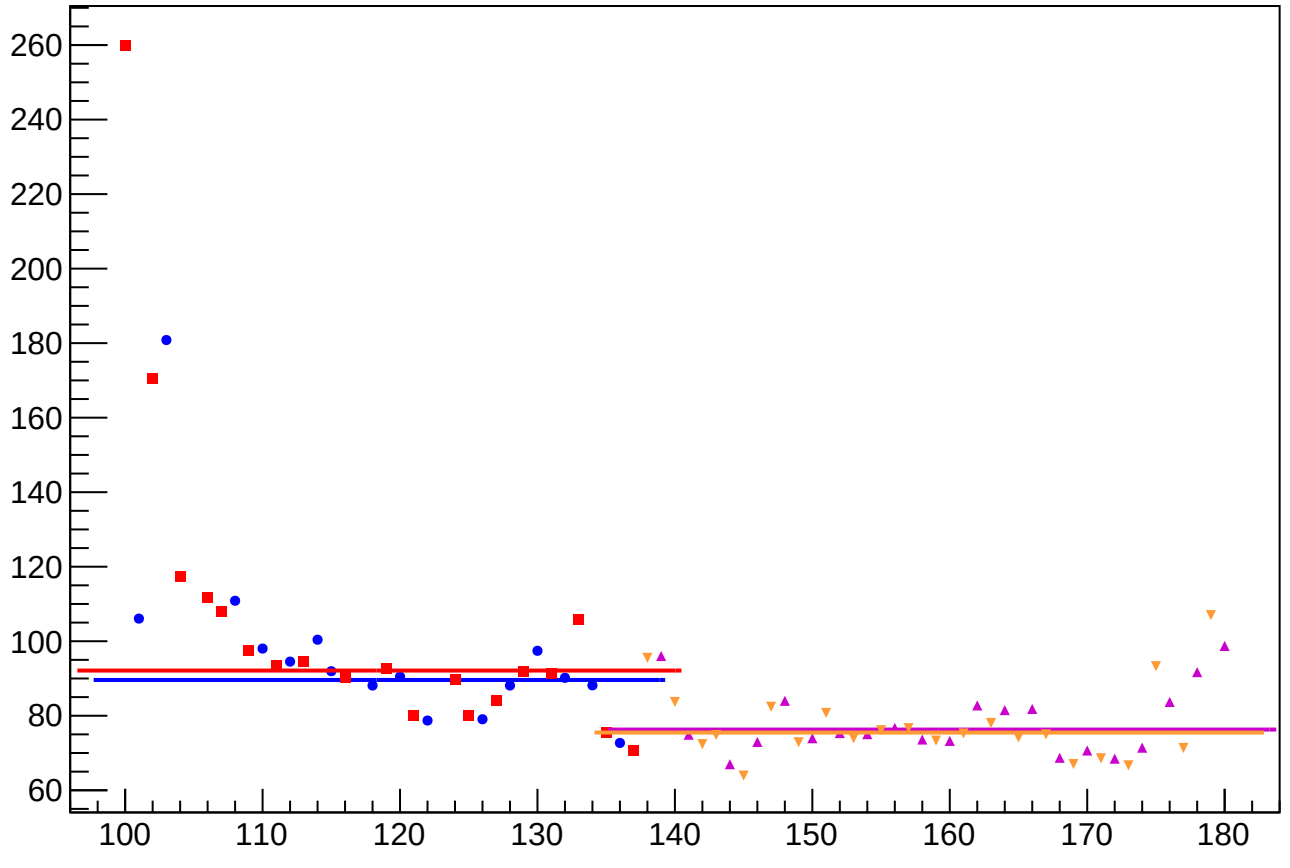
Left: 54.442+/-13.024 χ^2/NDF: 52.3/42

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.950+/-16.334 χ^2/NDF:48.7/36

Out: 47.074+/-16.181 χ^2/NDF:48.4/40

All: 49.489+/-11.495 χ^2/NDF: 97.2/77



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

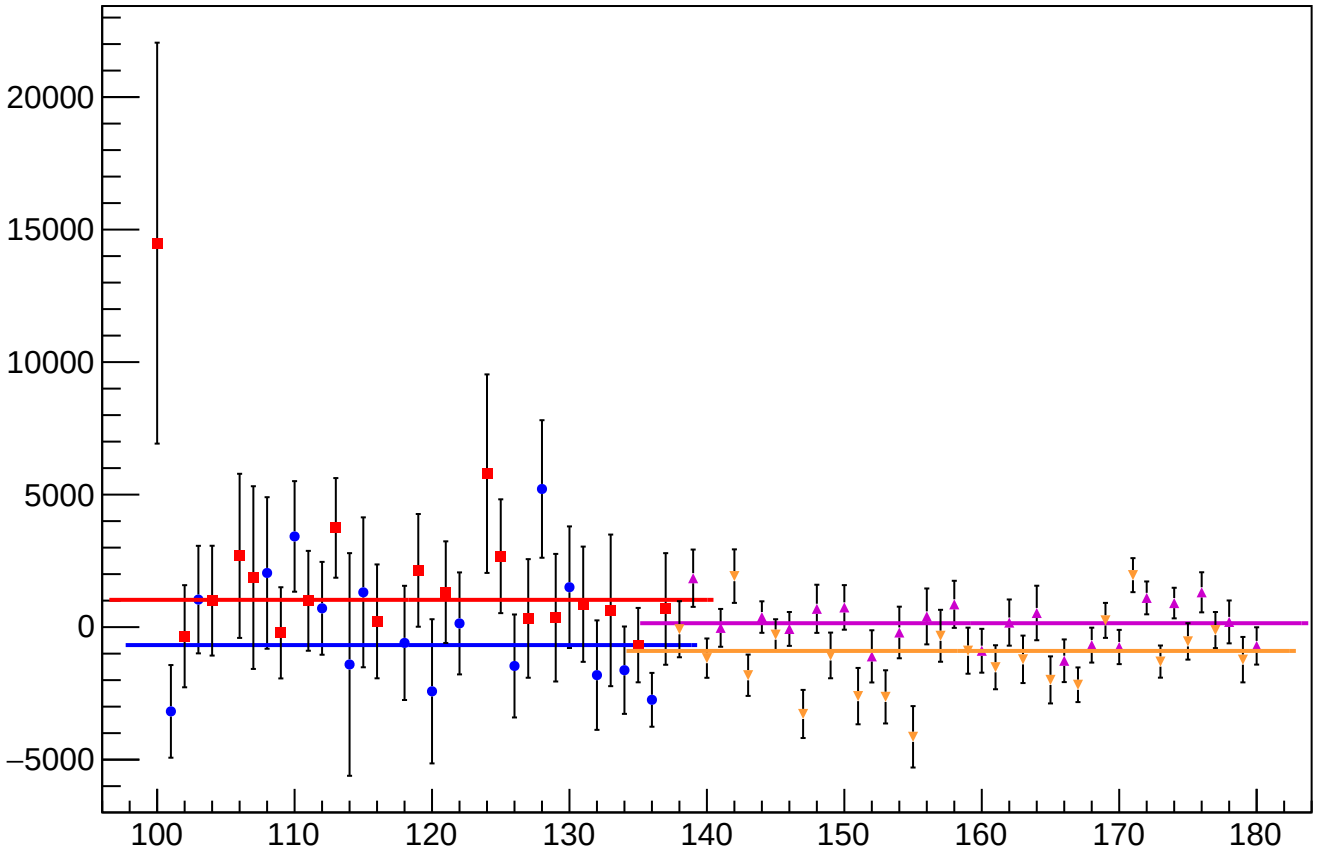
Left: 75.886+/-0.009 χ^2/NDF: 795651.0/42

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.313+/-0.012 χ^2/NDF:1088883.0/36

Out: 79.072+/-0.011 χ^2/NDF:1333647.5/40

All: 79.191+/-0.008 χ^2/NDF: 2422748.9/77



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 147.721+/-167.022 χ^2/NDF:22.4/20

Left: -370.488+/-118.633 χ^2/NDF: 104.6/42

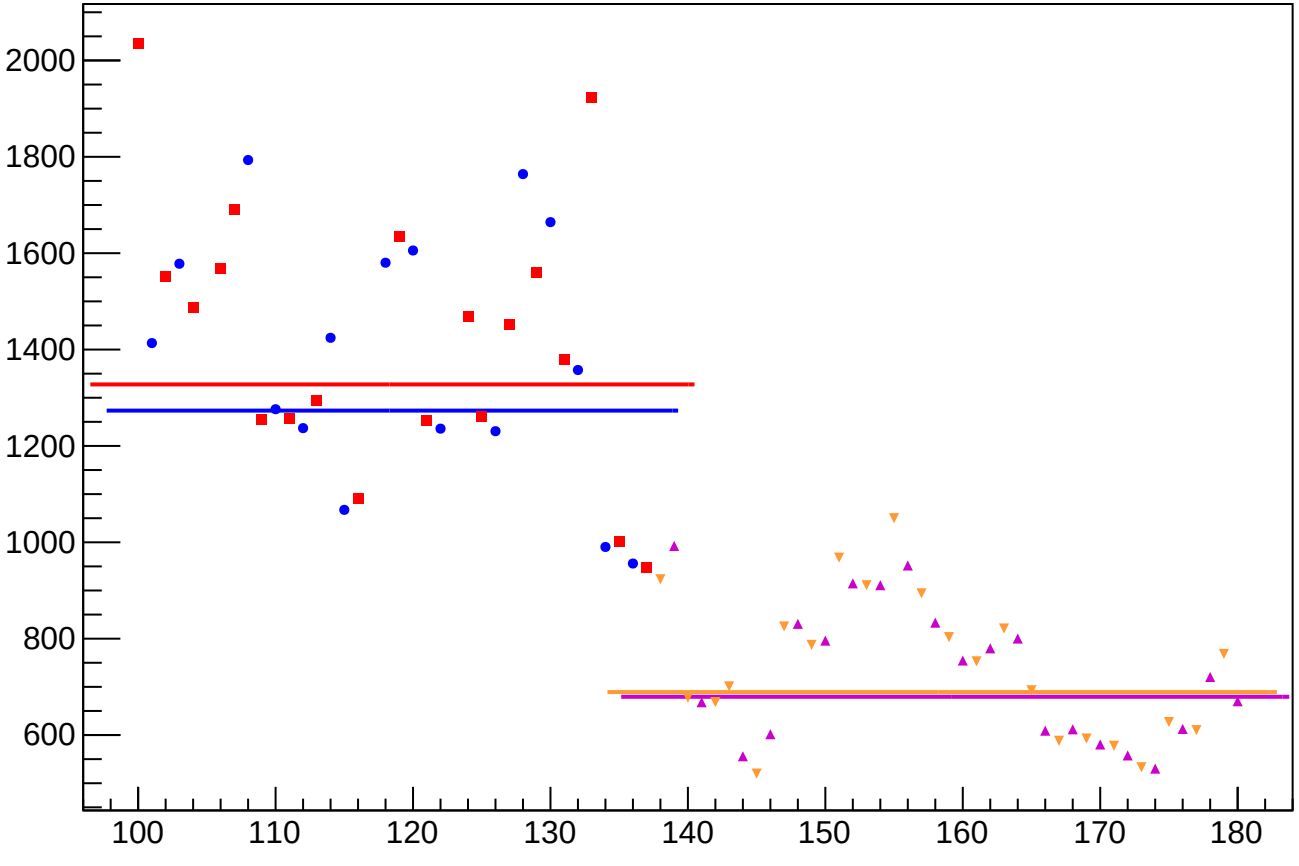
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 60.723+/-157.971 χ^2/NDF:45.2/36

Out: -699.343+/-159.607 χ^2/NDF:87.2/40

All: -315.396+/-112.276 χ^2/NDF: 143.9/77

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

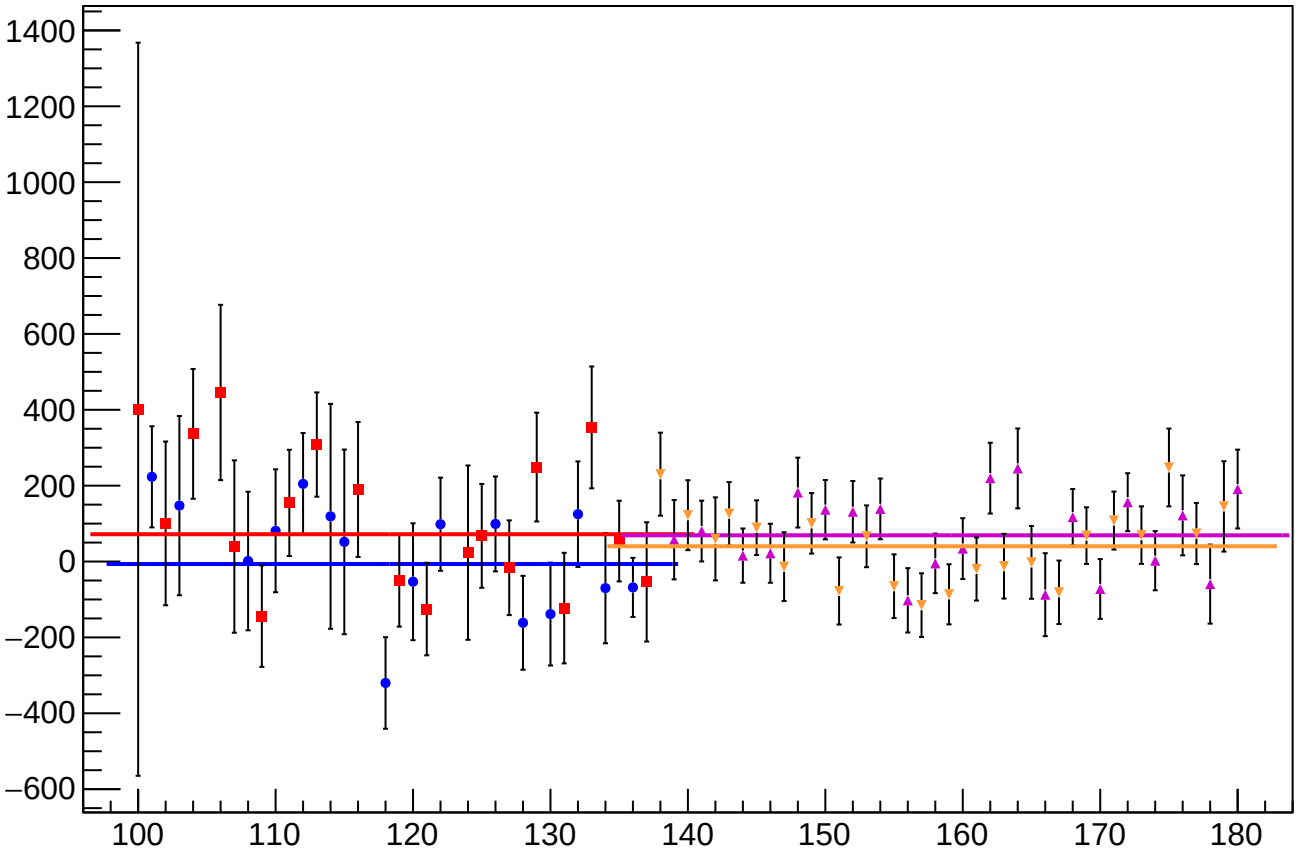
Left: 684.252+/-0.084 χ^2/NDF: 2477221.8/42

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 742.028+/-0.112 χ^2/NDF:4448703.5/36

Out: 755.031+/-0.113 χ^2/NDF:4707874.9/40

All: 748.463+/-0.079 χ^2/NDF: 9163284.2/77



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.130+/-18.577 χ^2/NDF:26.0/20

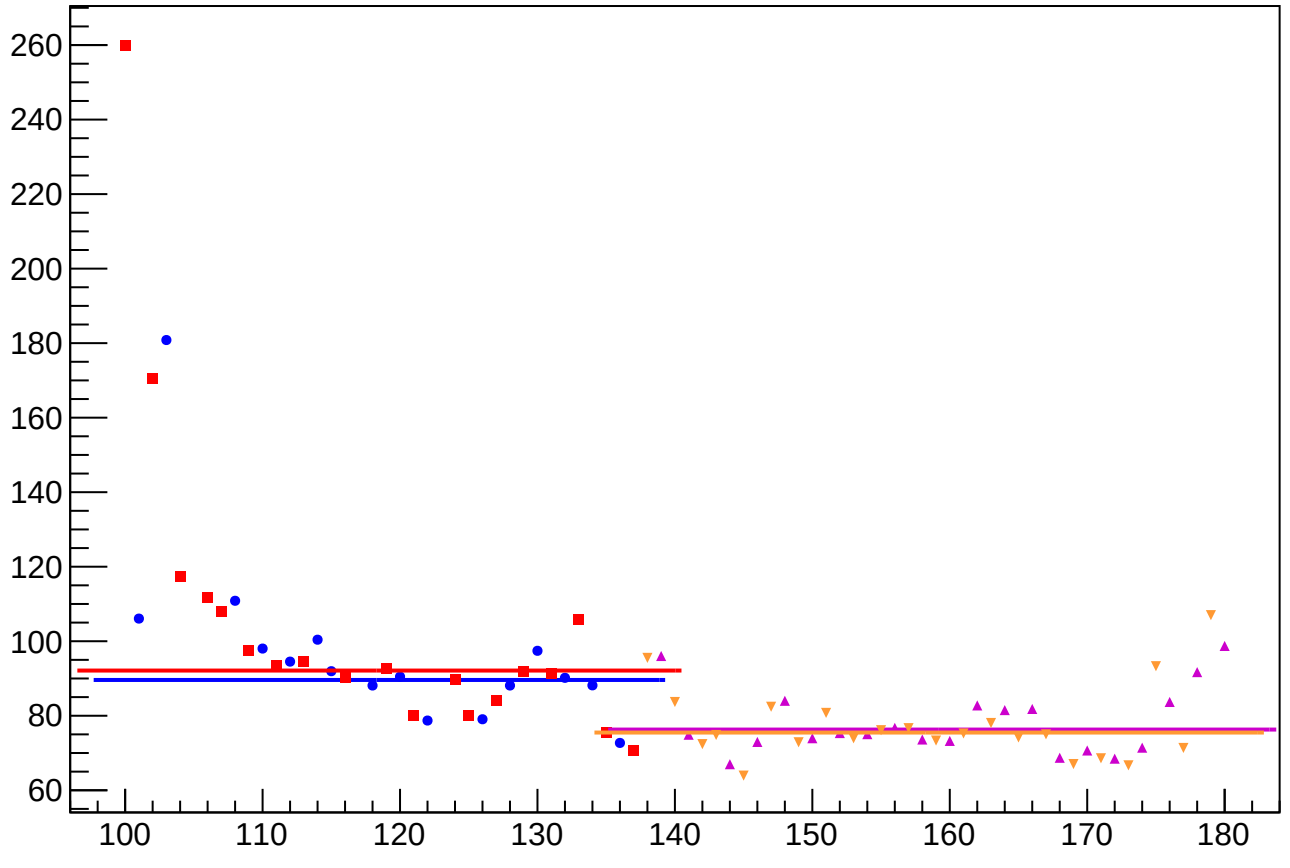
Left: 54.442+/-13.024 χ^2/NDF: 52.3/42

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.950+/-16.334 χ^2/NDF:48.7/36

Out: 47.074+/-16.181 χ^2/NDF:48.4/40

All: 49.489+/-11.495 χ^2/NDF: 97.2/77



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.291+/-0.013 χ^2/NDF:357418.1/20

Left: 75.886+/-0.009 χ^2/NDF: 795651.0/42

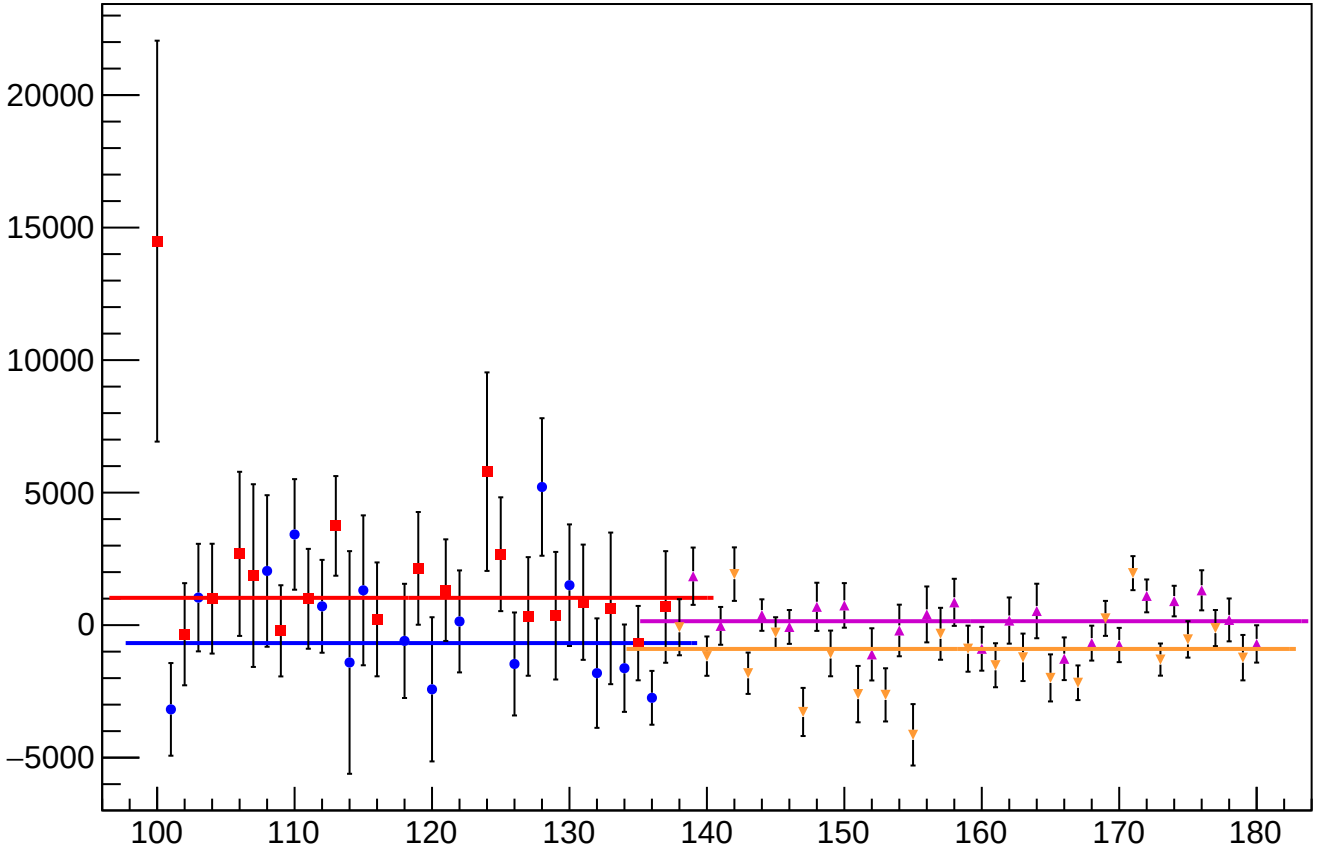
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.313+/-0.012 χ^2/NDF:1088883.0/36

Out: 79.072+/-0.011 χ^2/NDF:1333647.5/40

All: 79.191+/-0.008 χ^2/NDF: 2422748.9/77

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: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 147.721+/-167.022 χ^2/NDF:22.4/20

Left: -370.488+/-118.633 χ^2/NDF: 104.6/42

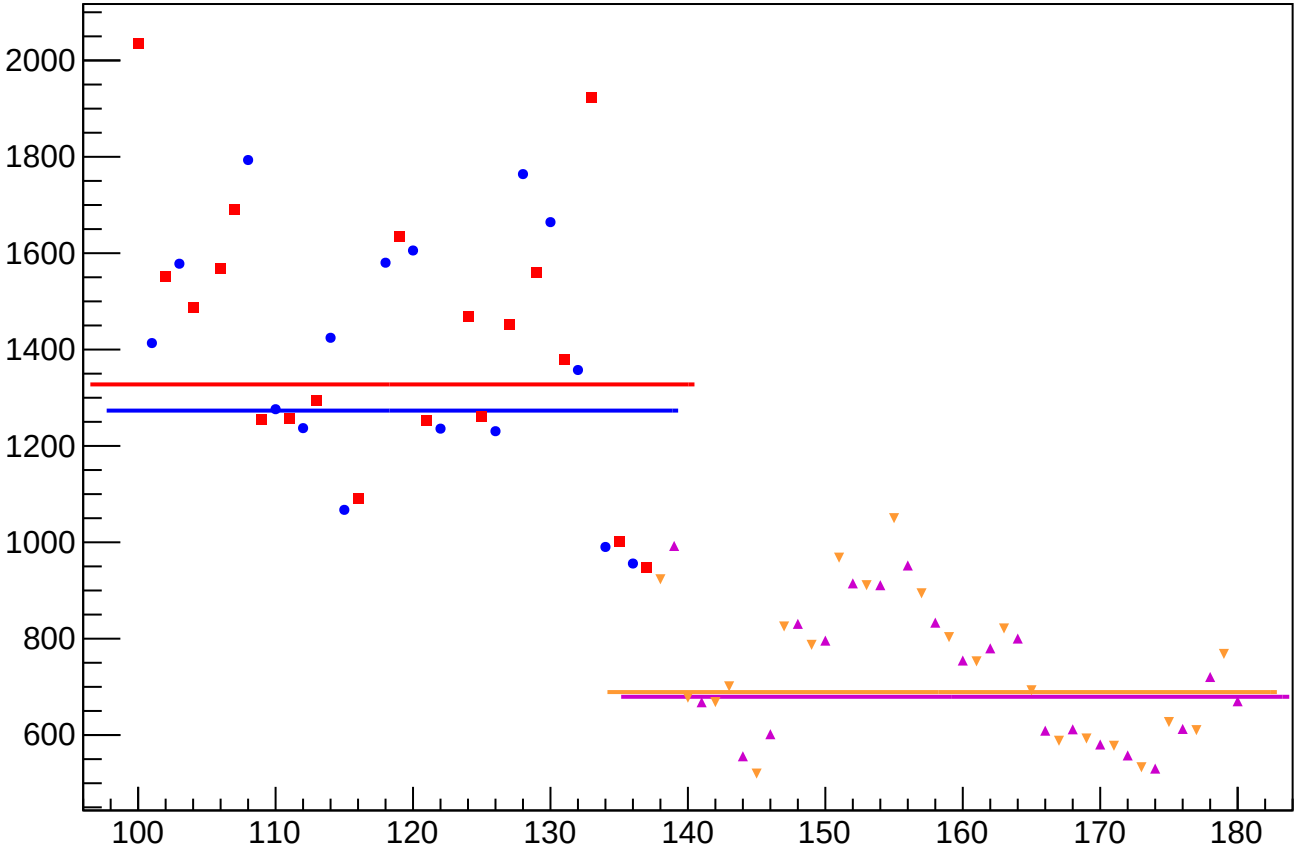
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 60.723+/-157.971 χ^2/NDF:45.2/36

Out: -699.343+/-159.607 χ^2/NDF:87.2/40

All: -315.396+/-112.276 χ^2/NDF: 143.9/77

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: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.402+/-0.118 χ^2/NDF:1184491.0/20

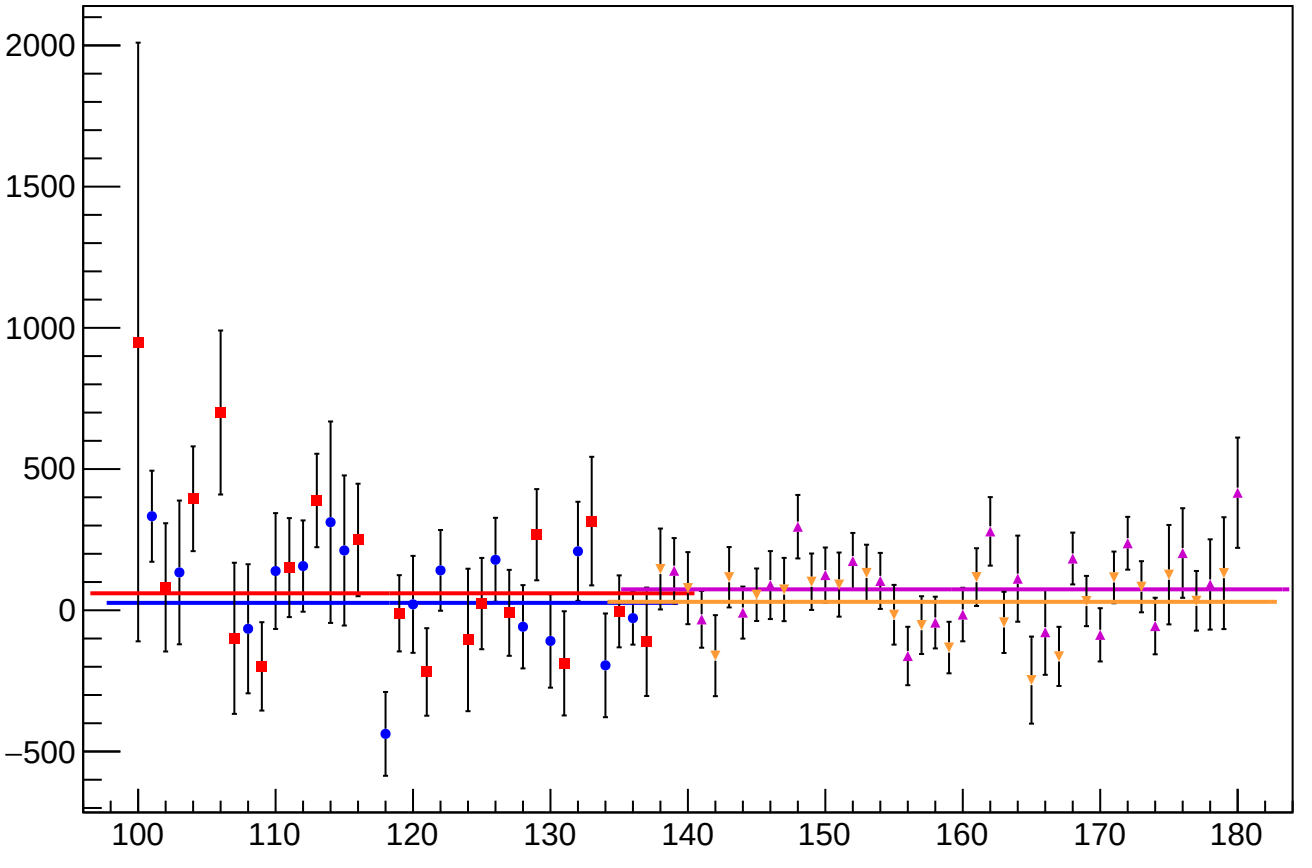
Left: 684.252+/-0.084 χ^2/NDF: 2477221.8/42

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 742.028+/-0.112 χ^2/NDF:4448703.5/36

Out: 755.031+/-0.113 χ^2/NDF:4707874.9/40

All: 748.463+/-0.079 χ^2/NDF: 9163284.2/77



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 74.142+/-23.720 χ^2/NDF:32.0/20

Left: 51.587+/-16.595 χ^2/NDF: 52.7/42

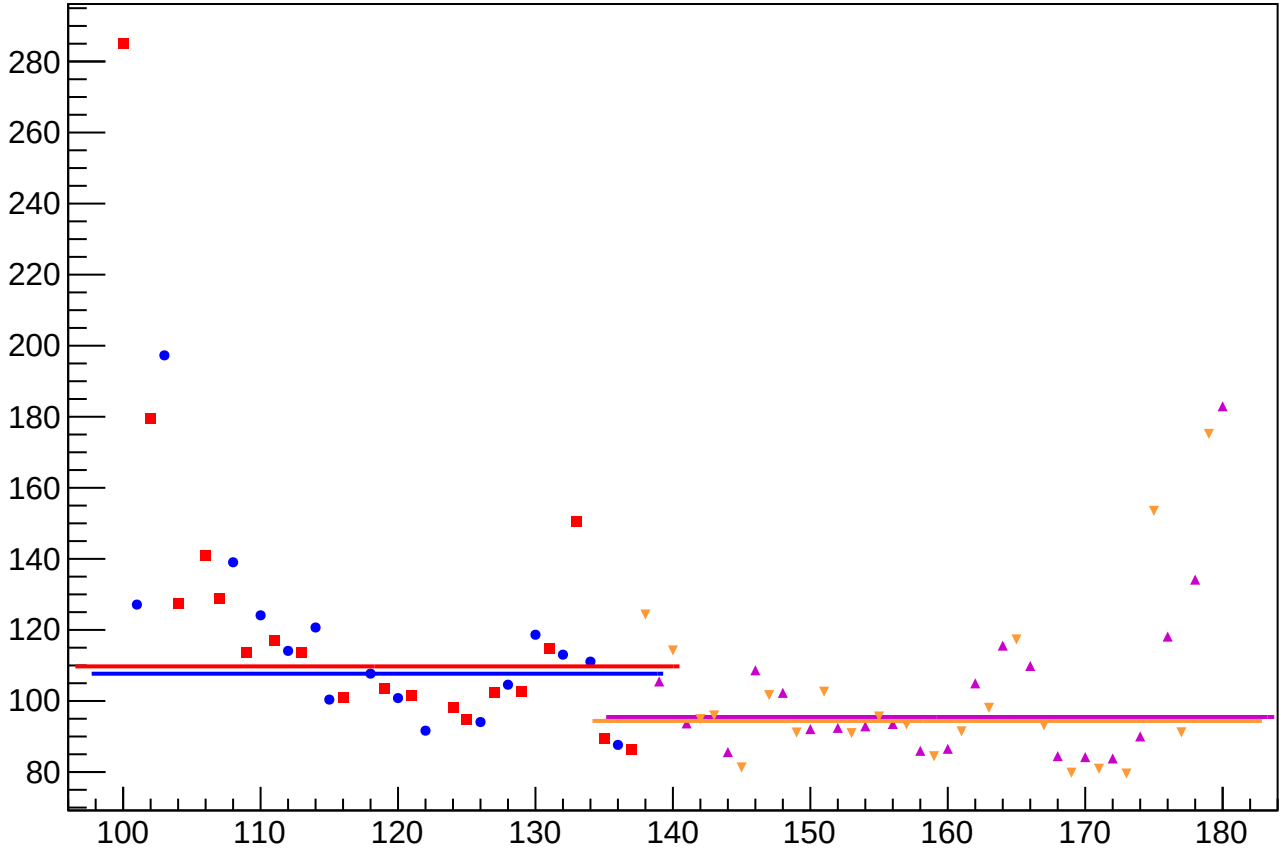
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 62.228+/-20.559 χ^2/NDF:54.4/36

Out: 37.149+/-20.270 χ^2/NDF:46.3/40

All: 49.511+/-14.434 χ^2/NDF: 101.5/77

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.388+/-0.016 χ^2/NDF:982787.9/21

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.492+/-0.017 χ^2/NDF:834309.0/20

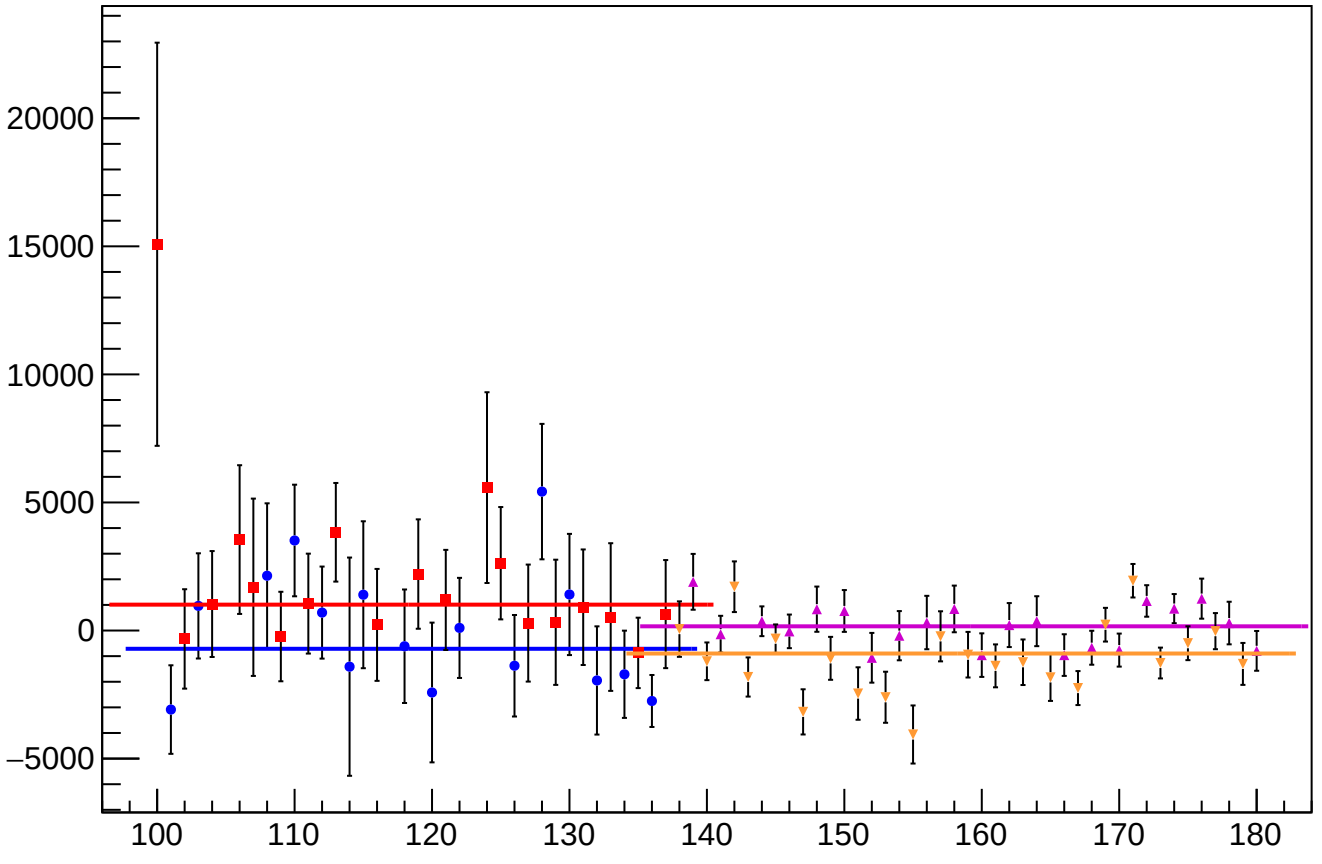
Left: 94.928+/-0.012 χ^2/NDF: 1819309.0/42

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 98.524+/-0.015 χ^2/NDF:1448784.1/36

Out: 98.045+/-0.014 χ^2/NDF:1682760.1/40

All: 98.281+/-0.010 χ^2/NDF: 3132093.8/77



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -897.492+/-167.225 χ^2/NDF:60.6/21

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 164.515+/-167.650 χ^2/NDF:21.3/20

Left: -367.838+/-118.396 χ^2/NDF: 102.0/42

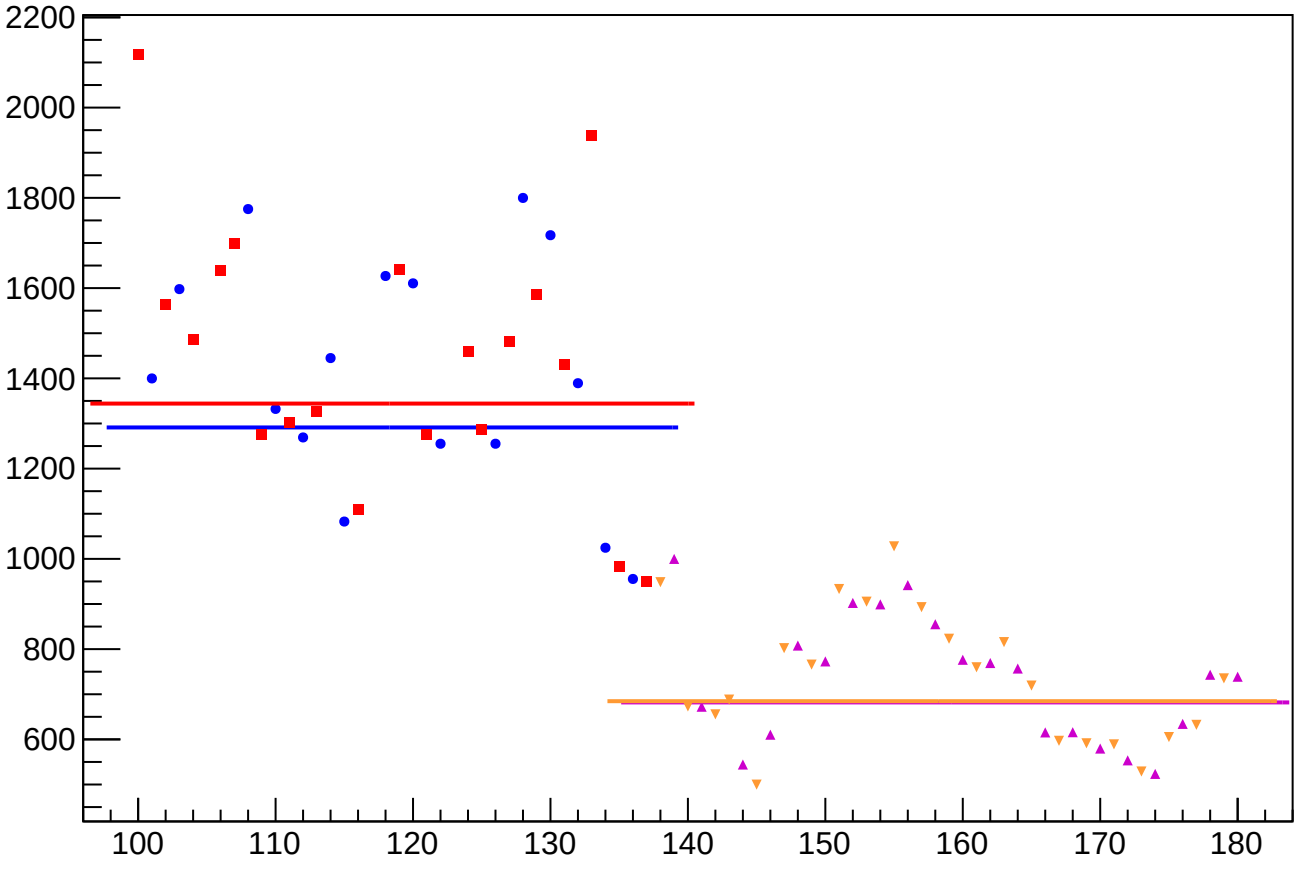
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 73.651+/-158.732 χ^2/NDF:44.2/36

Out: -706.481+/-158.634 χ^2/NDF:85.4/40

All: -316.657+/-112.206 χ^2/NDF: 141.7/77

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: 684.637+/-0.118 χ^2/NDF:1295586.2/21

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 681.913+/-0.119 χ^2/NDF:1185912.0/20

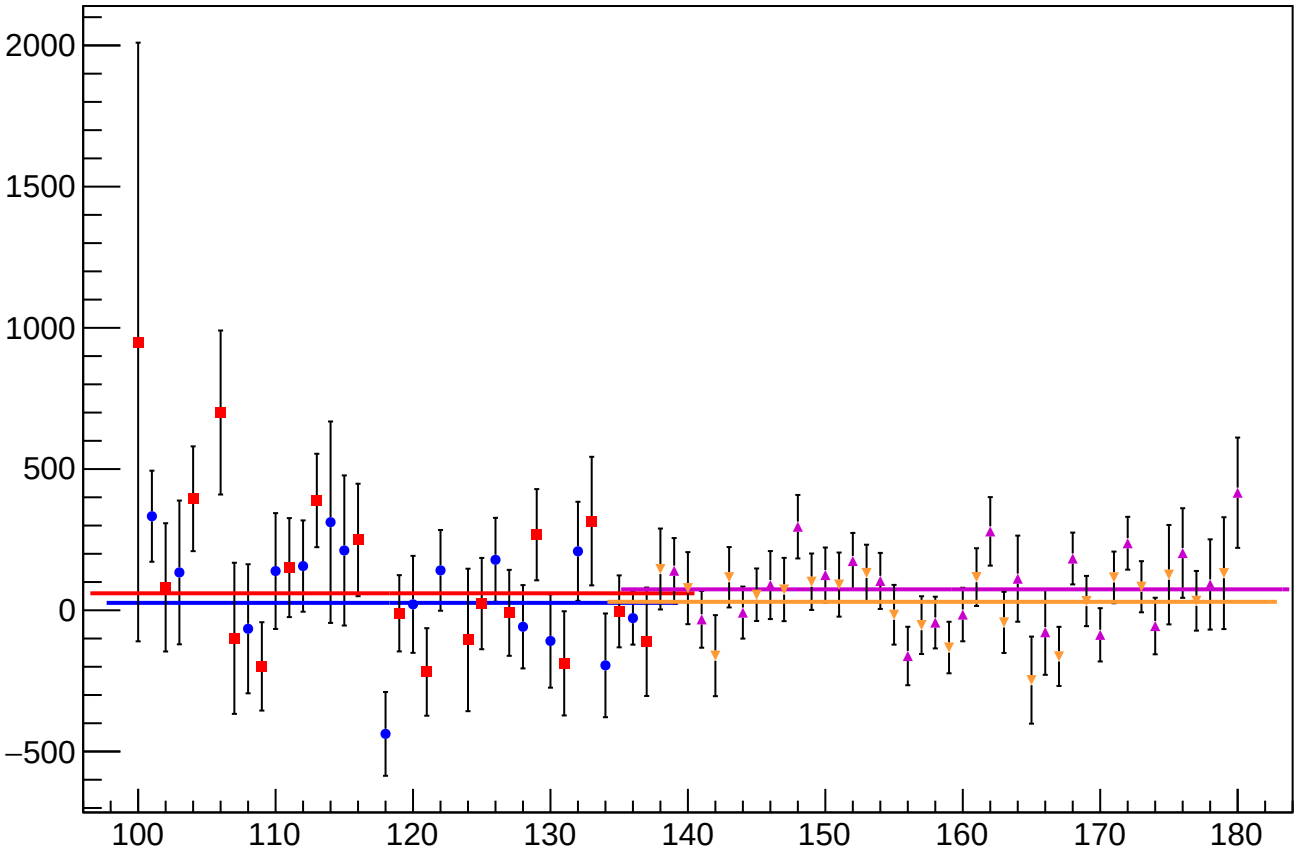
Left: 683.278+/-0.084 χ^2/NDF: 2481762.7/42

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 745.014+/-0.112 χ^2/NDF:4532632.7/36

Out: 750.656+/-0.112 χ^2/NDF:4900432.1/40

All: 747.836+/-0.079 χ^2/NDF: 9434329.2/77



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 74.141+/-23.721 χ^2/NDF:32.0/20

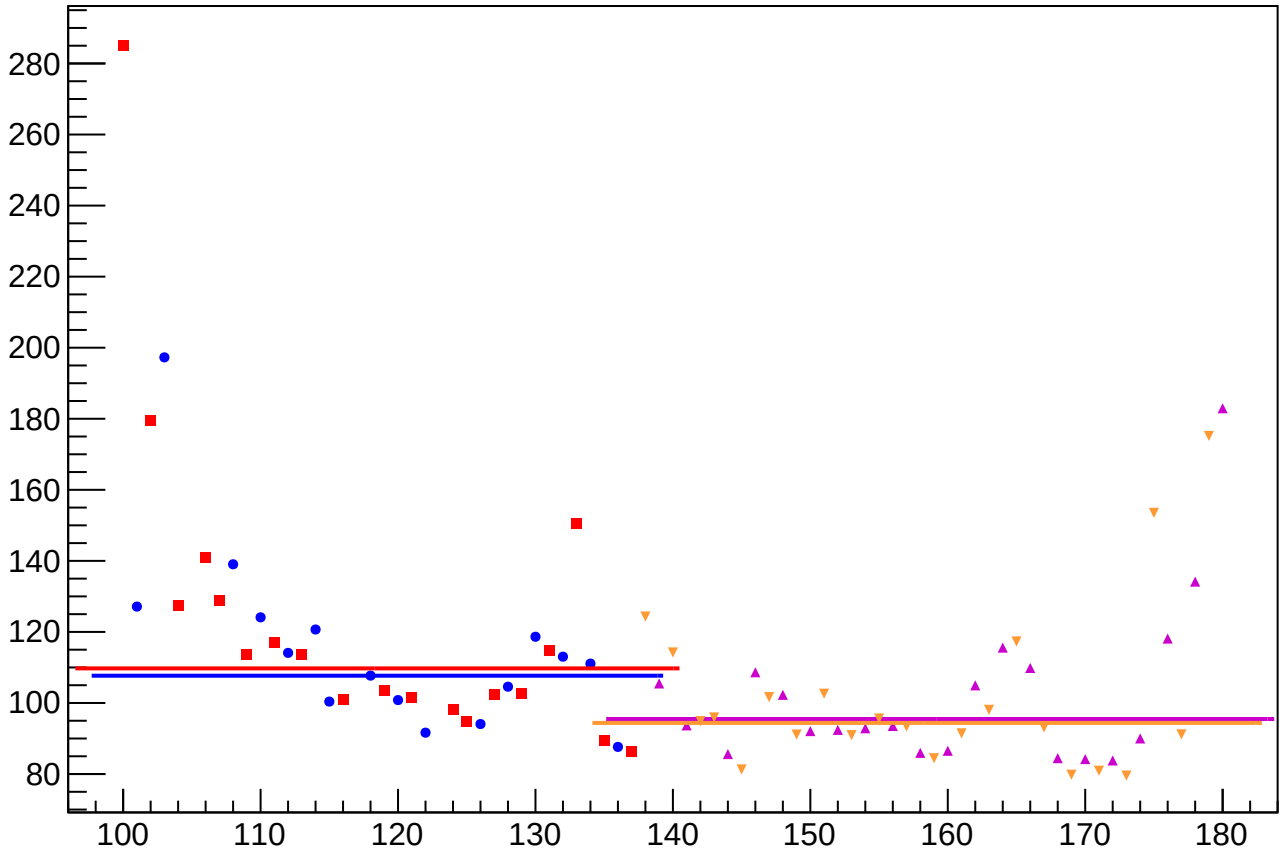
Left: 51.586+/-16.595 χ^2/NDF: 52.7/42

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 62.227+/-20.559 χ^2/NDF:54.4/36

Out: 37.149+/-20.270 χ^2/NDF:46.3/40

All: 49.510+/-14.434 χ^2/NDF: 101.5/77



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.388+/-0.016 χ^2/NDF:982793.1/21

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.492+/-0.017 χ^2/NDF:834293.8/20

Left: 94.929+/-0.012 χ^2/NDF: 1819299.2/42

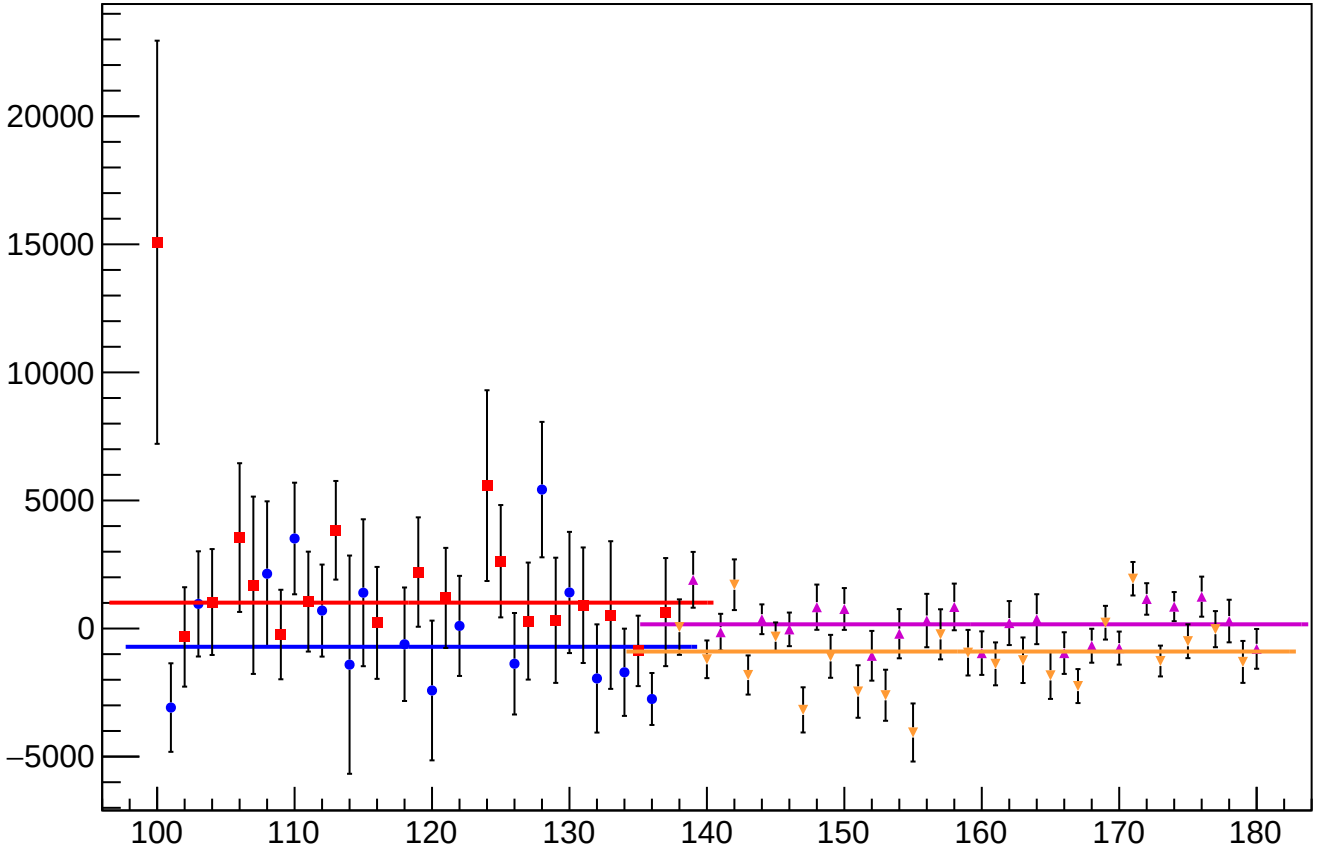
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 98.524+/-0.015 χ^2/NDF:1448734.2/36

Out: 98.046+/-0.014 χ^2/NDF:1682739.1/40

All: 98.282+/-0.010 χ^2/NDF: 3132022.9/77

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: -897.490+/-167.224 χ^2/NDF:60.6/21

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 164.514+/-167.650 χ^2/NDF:21.3/20

Left: -367.838+/-118.396 χ^2/NDF: 102.0/42

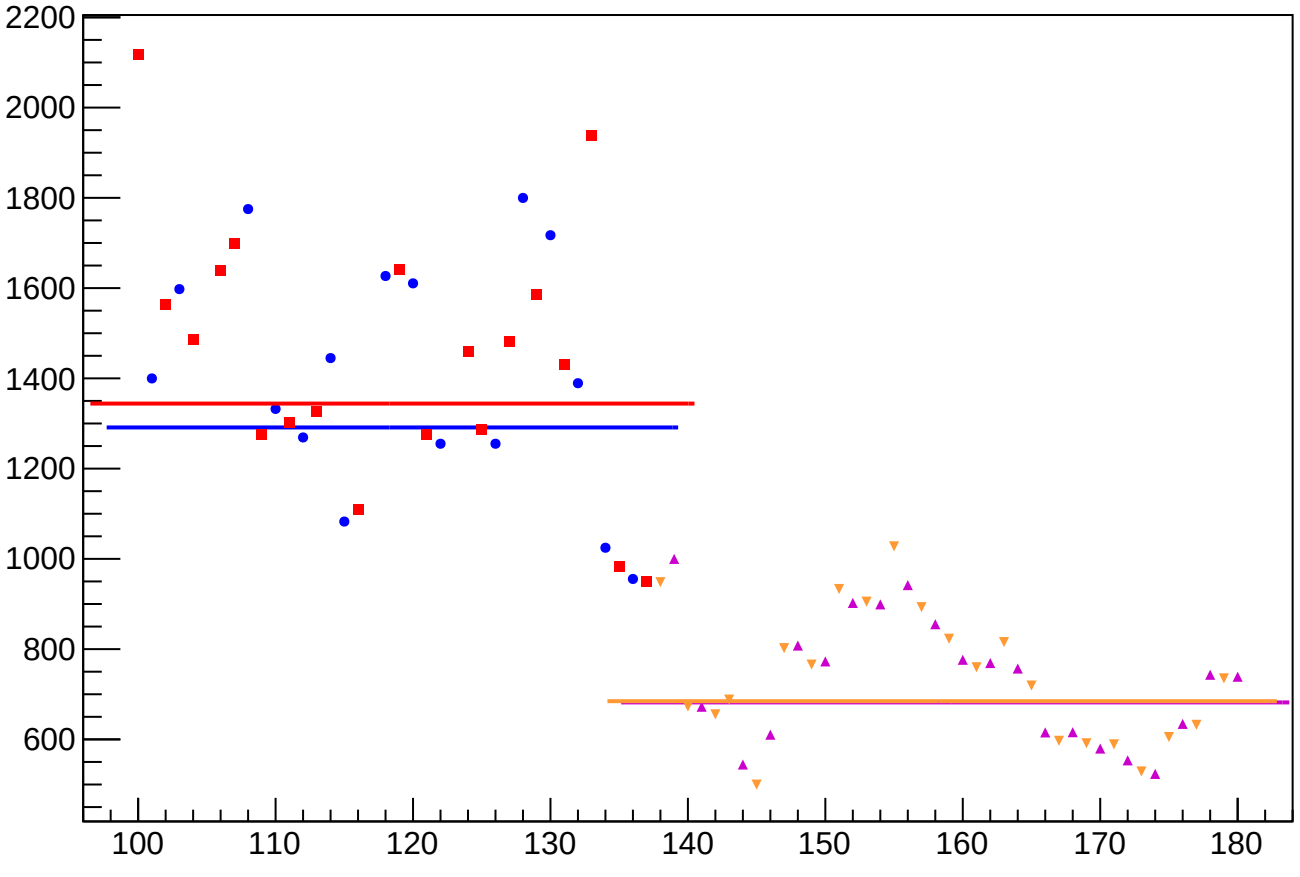
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 73.651+/-158.732 χ^2/NDF:44.2/36

Out: -706.479+/-158.634 χ^2/NDF:85.4/40

All: -316.656+/-112.206 χ^2/NDF: 141.7/77

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: 684.635+/-0.118 χ^2/NDF:1295592.2/21

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 681.912+/-0.119 χ^2/NDF:1185913.5/20

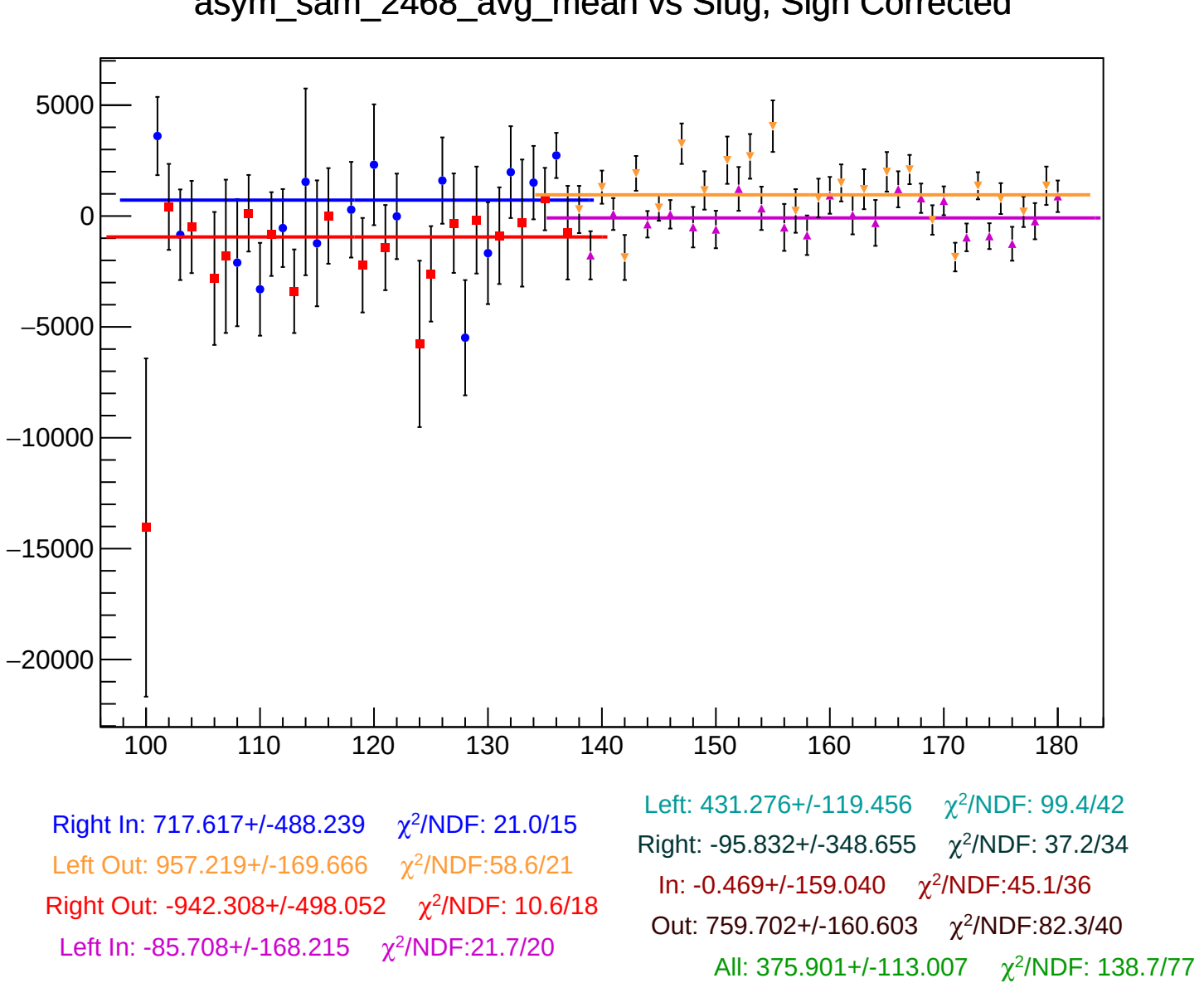
Left: 683.277+/-0.084 χ^2/NDF: 2481770.2/42

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

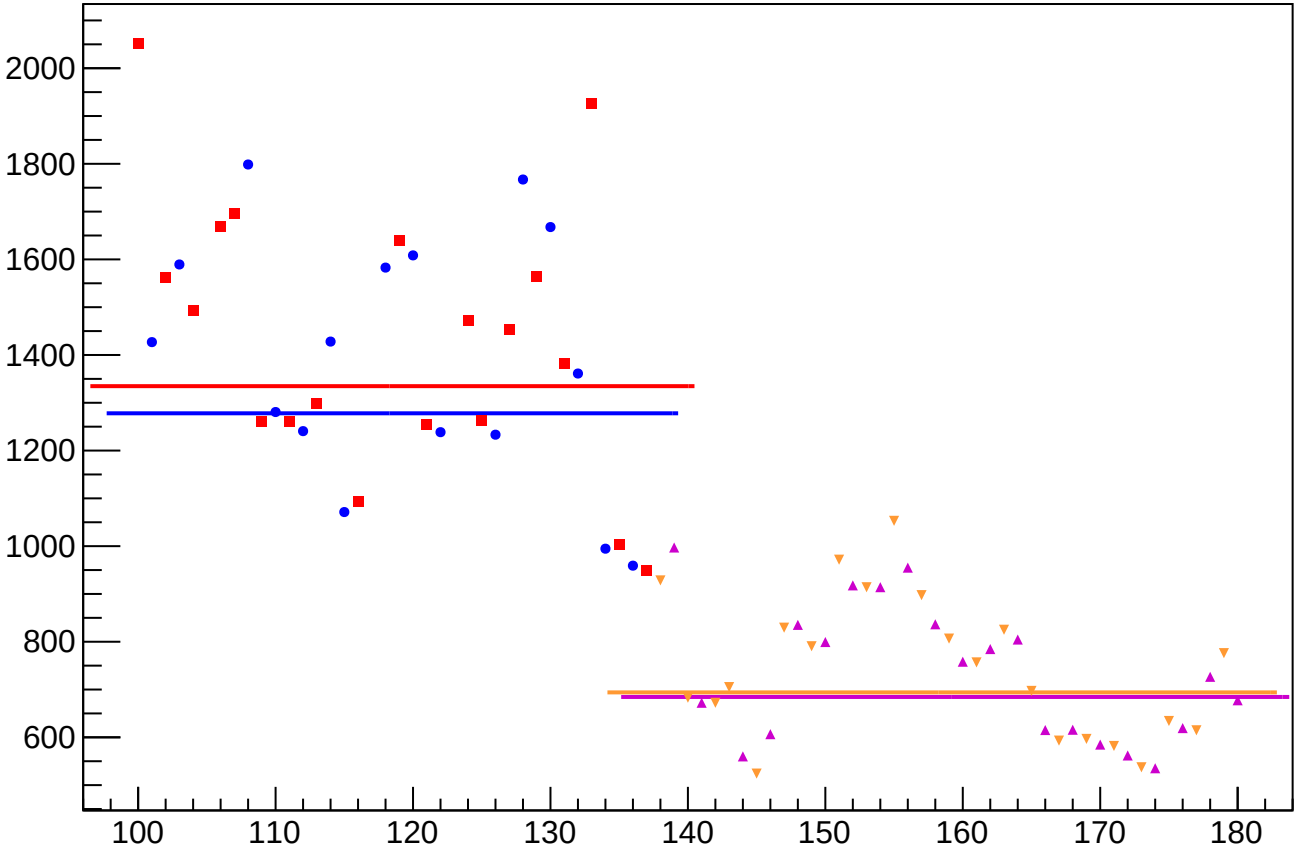
In: 745.012+/-0.112 χ^2/NDF:4532633.4/36

Out: 750.654+/-0.112 χ^2/NDF:4900437.2/40

All: 747.835+/-0.079 χ^2/NDF: 9434335.0/77


asym_sam_2468_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 717.617+/-488.239 χ²/NDF: 21.0/15
Left Out: 957.219+/-169.666 χ²/NDF:58.6/21
Right Out: -942.308+/-498.052 χ²/NDF: 10.6/18
Left In: -85.708+/-168.215 χ²/NDF:21.7/20
Left: 431.276+/-119.456 χ²/NDF: 99.4/42
Right: -95.832+/-348.655 χ²/NDF: 37.2/34
In: -0.469+/-159.040 χ²/NDF:45.1/36
Out: 759.702+/-160.603 χ²/NDF:82.3/40
All: 375.901+/-113.007 χ²/NDF: 138.7/77

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 694.028+/-0.120 χ^2/NDF:1270496.6/21

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.465+/-0.119 χ^2/NDF:1164344.3/20

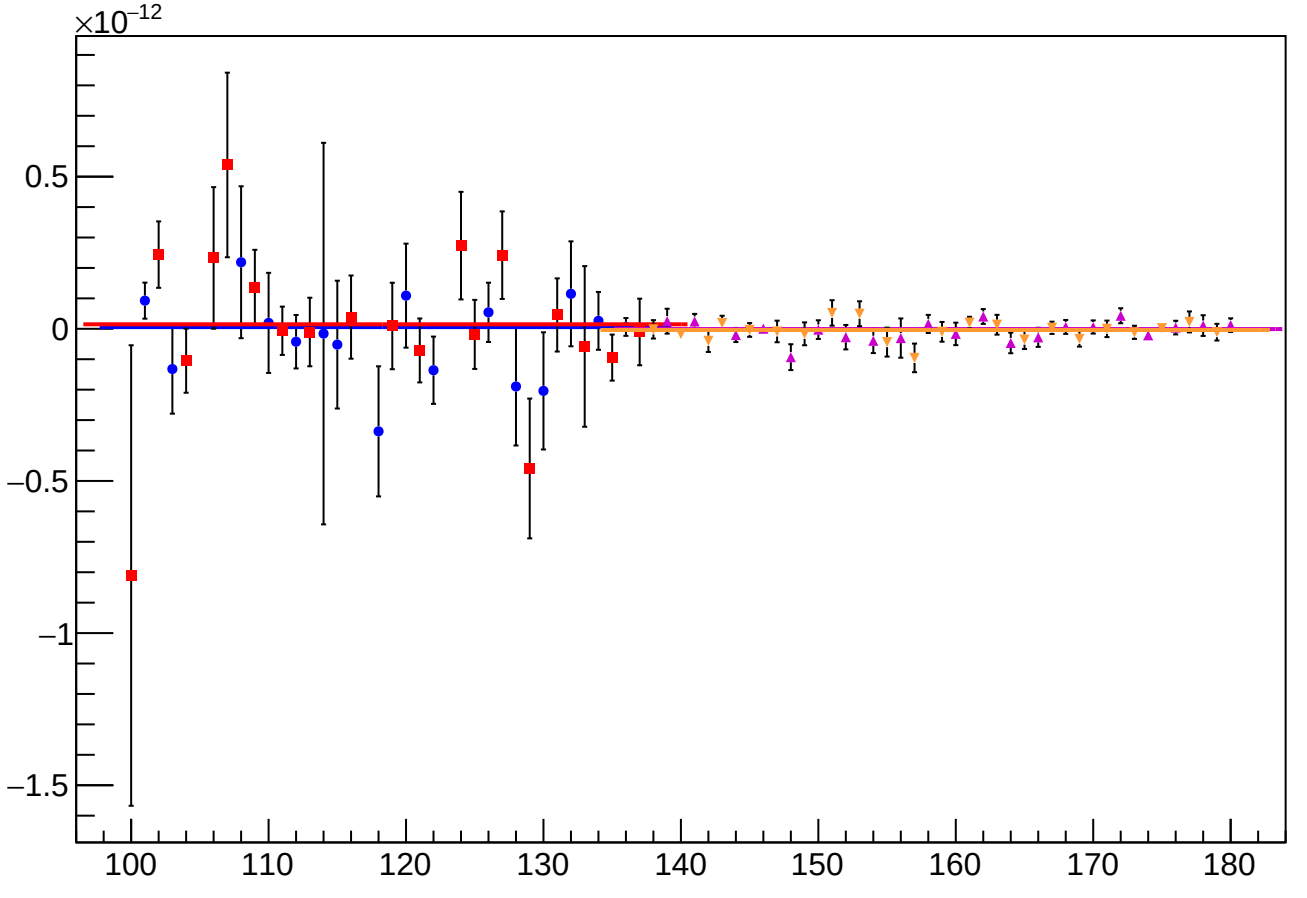
Left: 689.206+/-0.084 χ^2/NDF: 2438045.0/42

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 747.442+/-0.112 χ^2/NDF:4403881.8/36

Out: 760.654+/-0.114 χ^2/NDF:4708391.4/40

All: 753.984+/-0.080 χ^2/NDF: 9119107.2/77



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/20

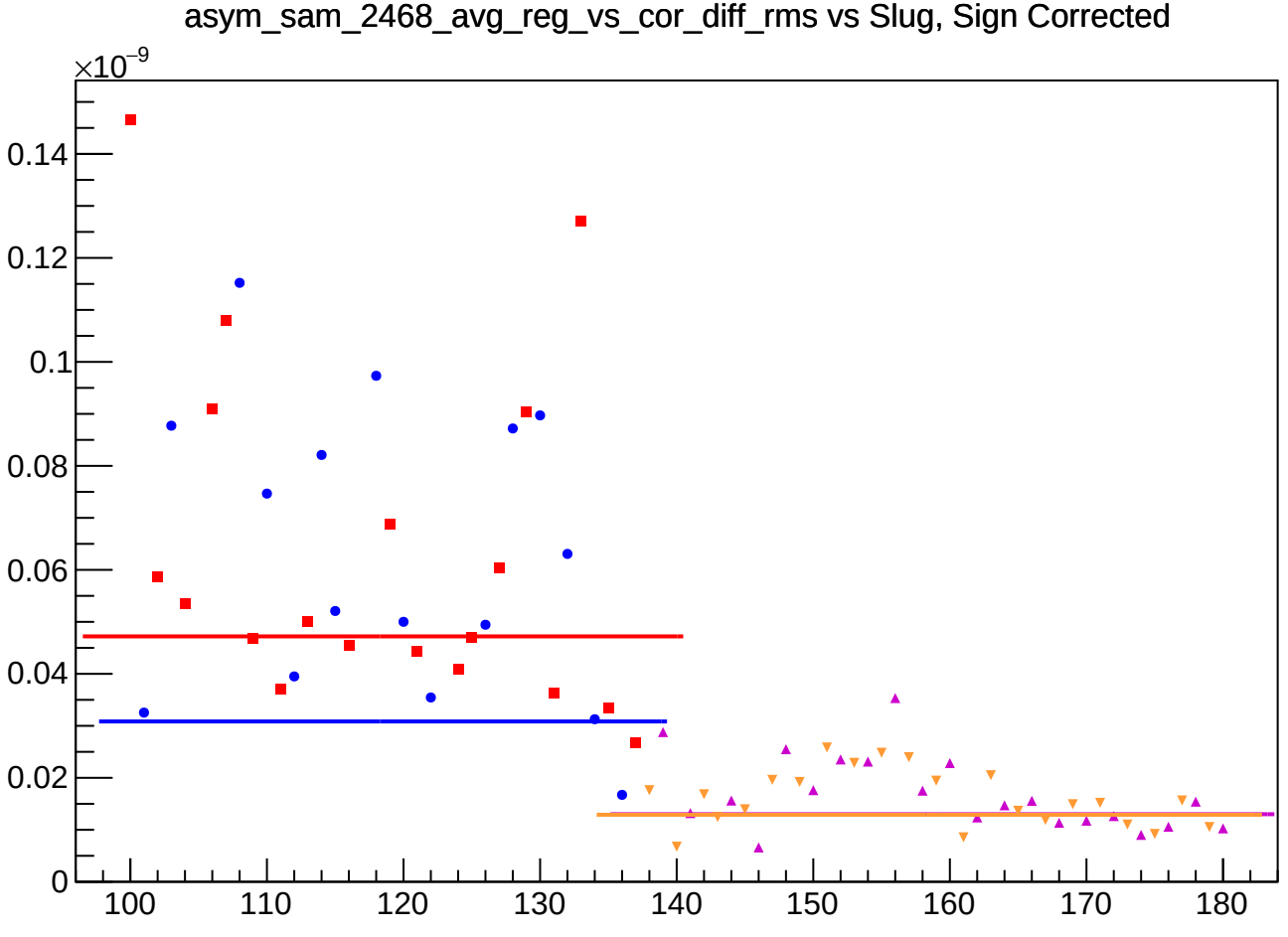
Left: -0.000+/-0.000 χ^2/NDF: 36.1/42

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.5/36

Out: -0.000+/-0.000 χ^2/NDF:40.3/40

All: -0.000+/-0.000 χ^2/NDF: 72.0/77



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1577149.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1841477.8/20

Left: 0.000+/-0.000 χ^2/NDF: 3418998.3/42

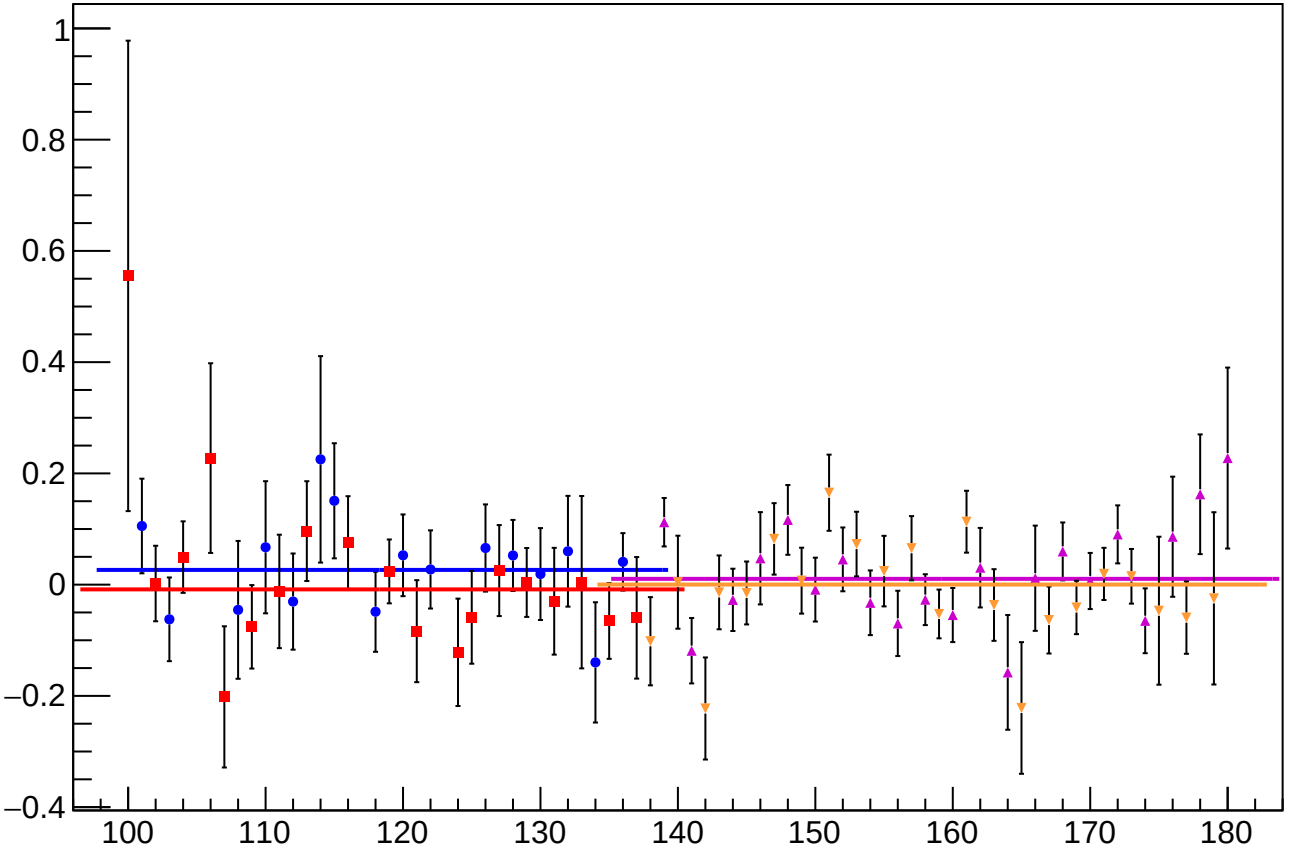
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:5035531.1/36

Out: 0.000+/-0.000 χ^2/NDF:5071668.5/40

All: 0.000+/-0.000 χ^2/NDF: 10107240.1/77

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.1/20

Left: 0.005+/-0.009 χ^2/NDF: 62.0/42

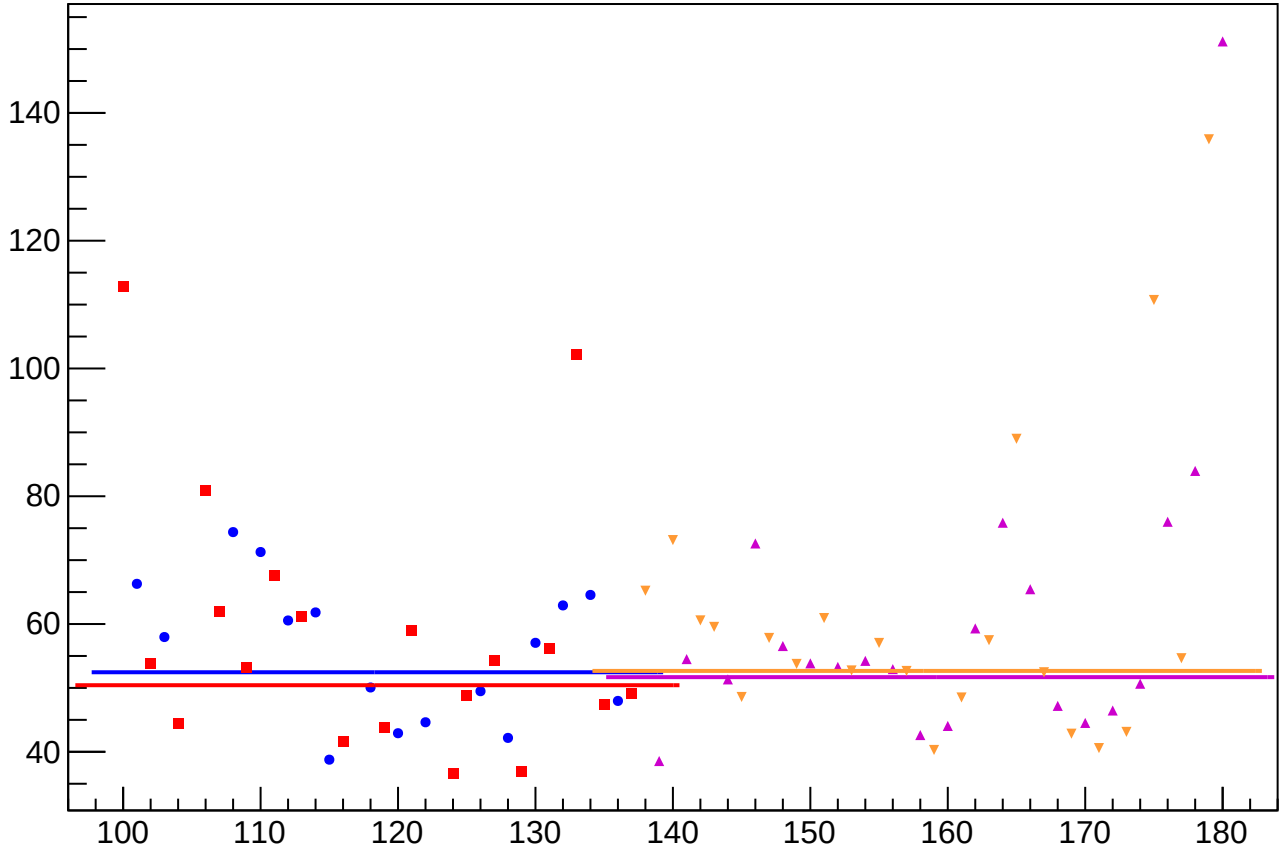
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:41.5/36

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 87.5/77

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

Left: 52.171+/-0.007 χ^2/NDF: 3641126.6/42

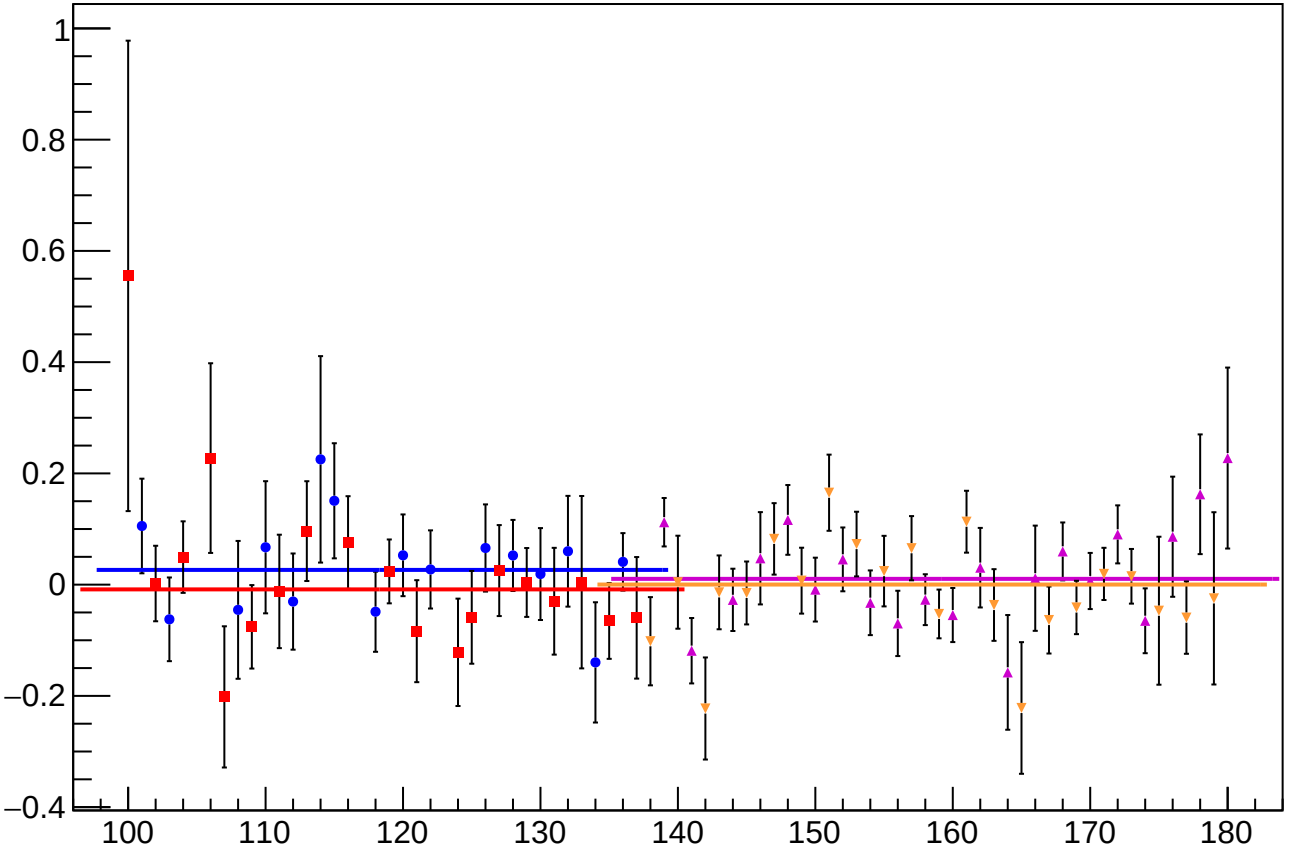
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.914+/-0.008 χ^2/NDF:2163553.2/36

Out: 51.946+/-0.008 χ^2/NDF:2586919.3/40

All: 51.930+/-0.006 χ^2/NDF: 4750481.1/77

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.1/20

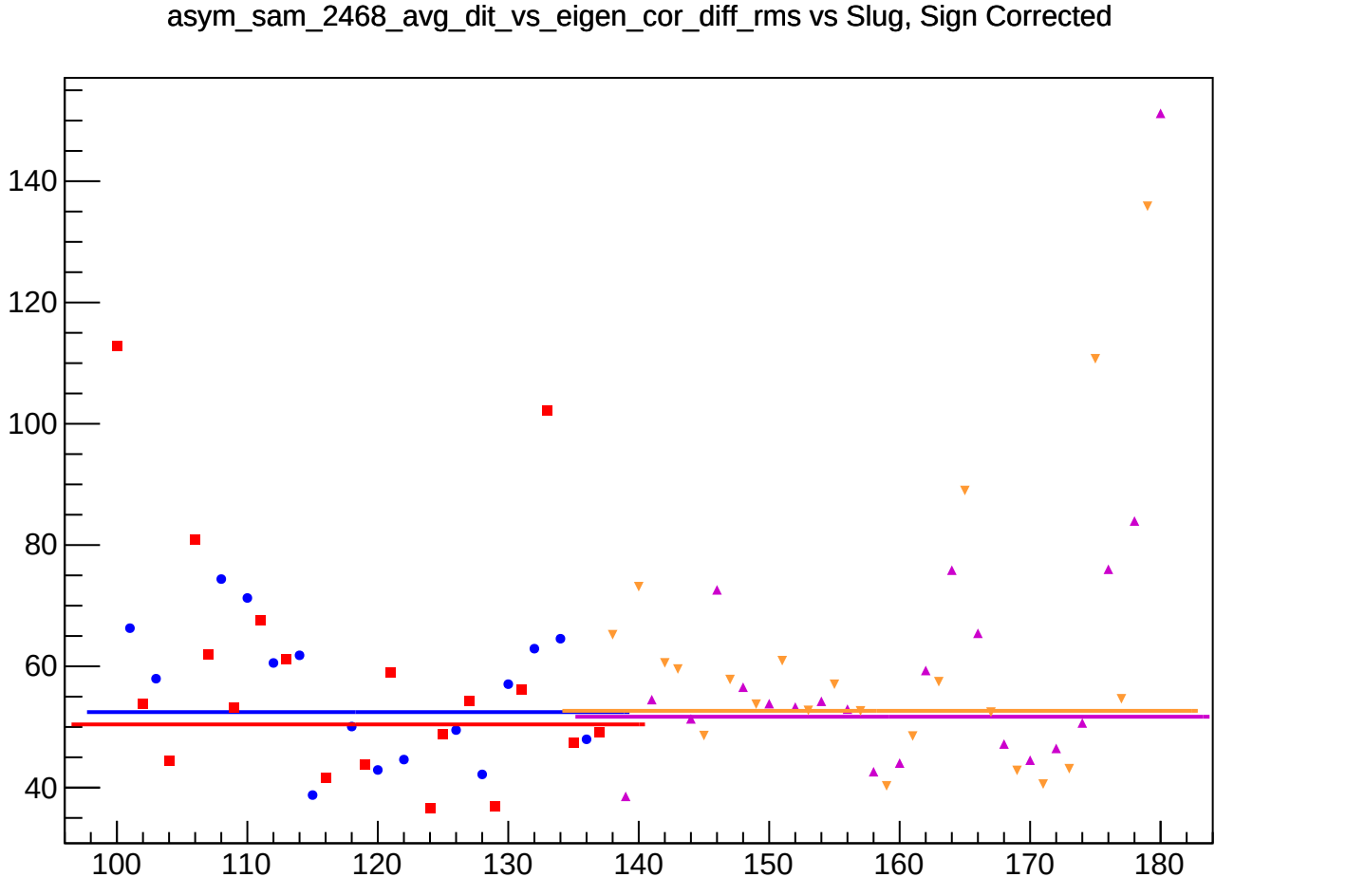
Left: 0.005+/-0.009 χ^2/NDF: 62.0/42

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:41.5/36

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 87.5/77



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.686+/-0.009 χ^2/NDF:1743564.0/20

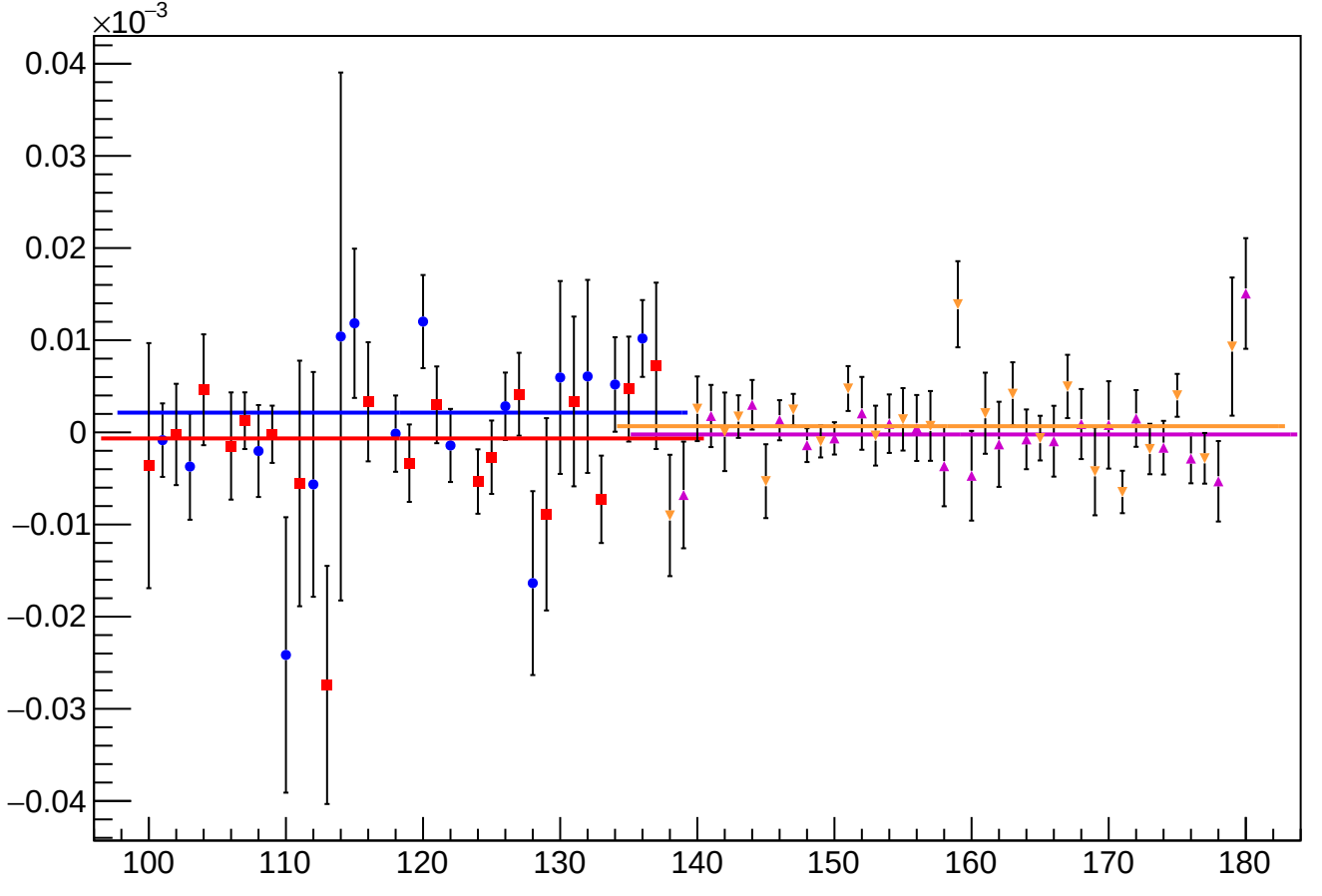
Left: 52.171+/-0.007 χ^2/NDF: 3641126.6/42

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.914+/-0.008 χ^2/NDF:2163553.2/36

Out: 51.946+/-0.008 χ^2/NDF:2586919.3/40

All: 51.930+/-0.006 χ^2/NDF: 4750481.1/77



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/20

Left: 0.000+/-0.000 χ^2/NDF: 54.0/42

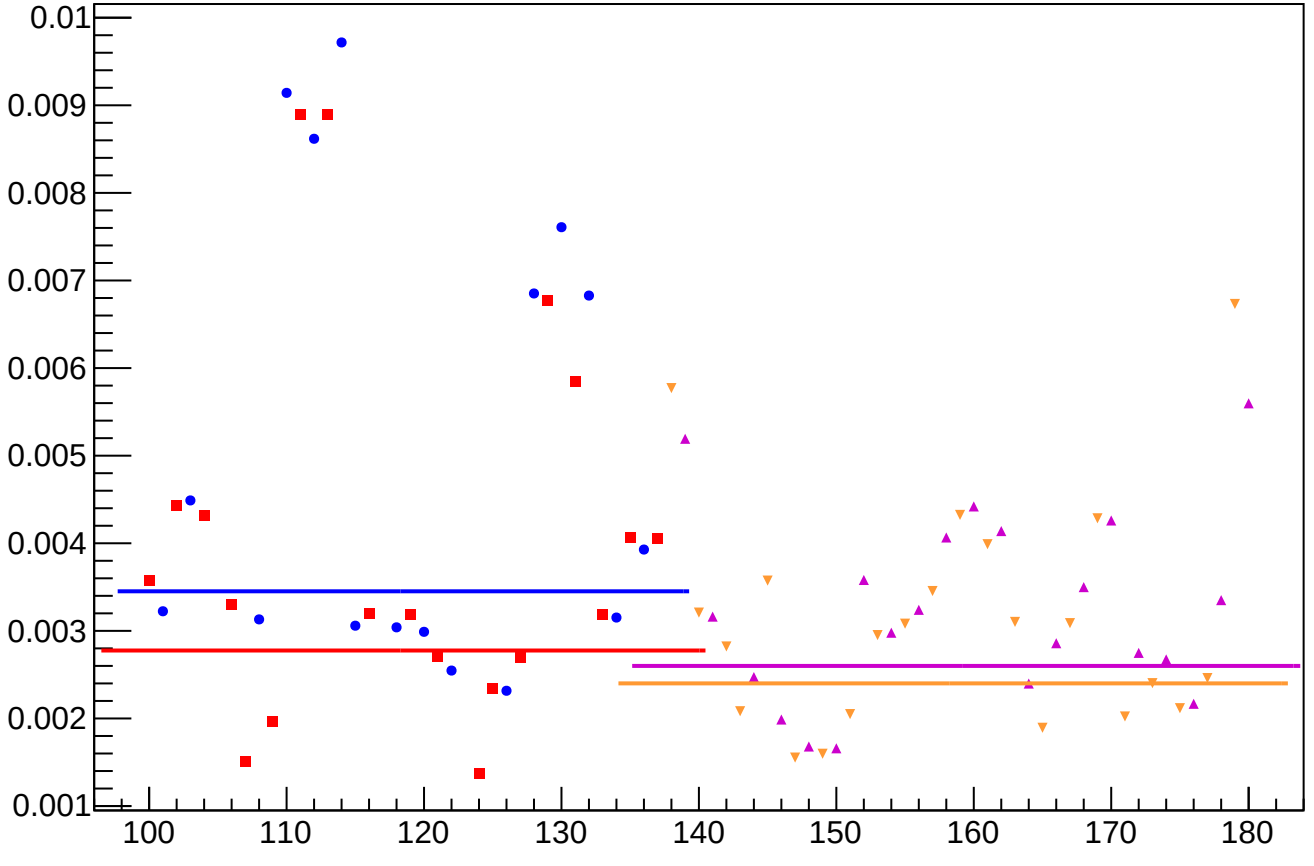
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:38.0/36

Out: 0.000+/-0.000 χ^2/NDF:53.2/40

All: 0.000+/-0.000 χ^2/NDF: 91.3/77

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4023615.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3631992.2/20

Left: 0.002+/-0.000 χ^2/NDF: 7750707.7/42

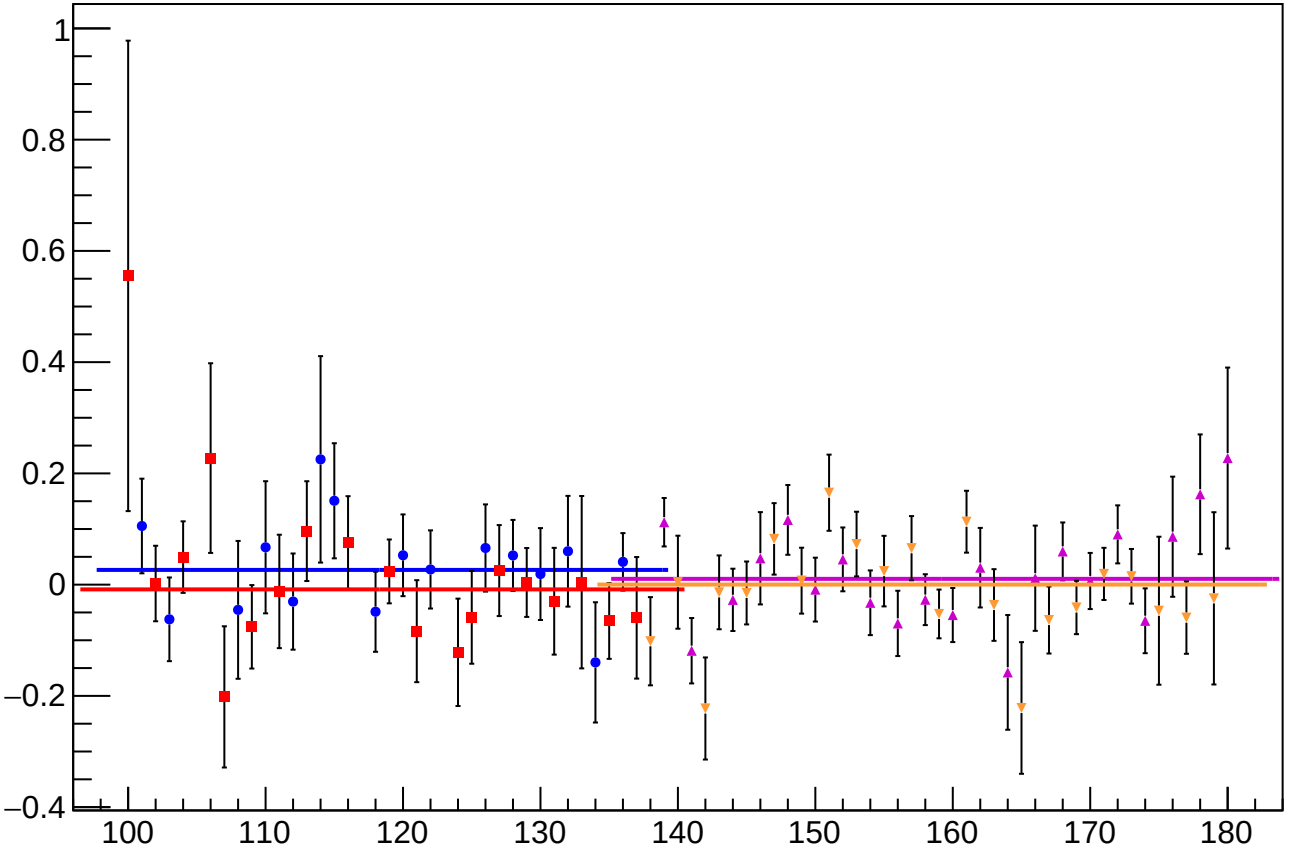
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:6193818.3/36

Out: 0.002+/-0.000 χ^2/NDF:6924481.0/40

All: 0.003+/-0.000 χ^2/NDF: 13353164.9/77

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.1/20

Left: 0.005+/-0.009 χ^2/NDF: 62.0/42

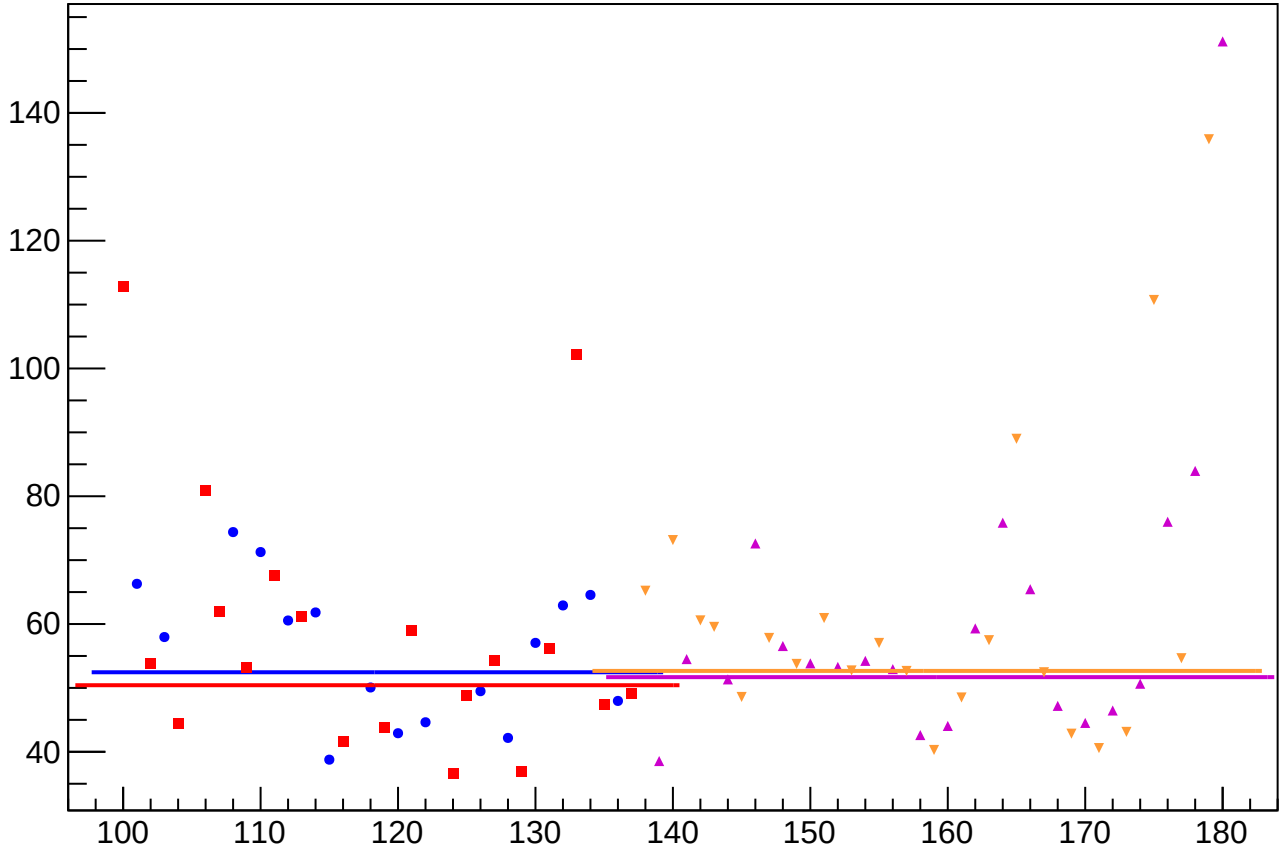
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:41.5/36

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 87.5/77

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: 52.662+/-0.009 χ^2/NDF:1892228.4/21

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.686+/-0.009 χ^2/NDF:1743609.6/20

Left: 52.172+/-0.007 χ^2/NDF: 3641204.4/42

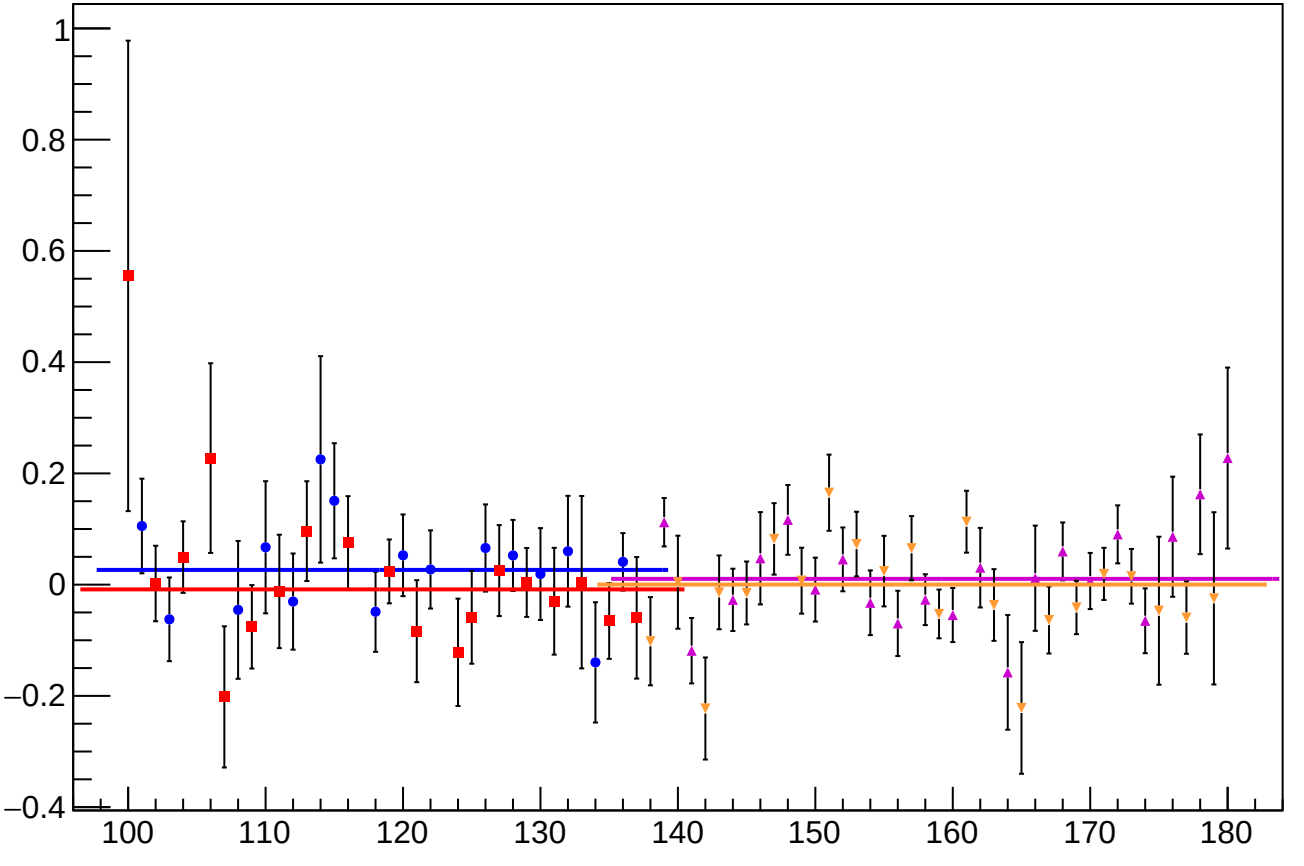
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.914+/-0.008 χ^2/NDF:2163544.4/36

Out: 51.946+/-0.008 χ^2/NDF:2586980.9/40

All: 51.930+/-0.006 χ^2/NDF: 4750534.0/77

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: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:31.1/20

Left: 0.005+/-0.009 χ^2/NDF: 62.0/42

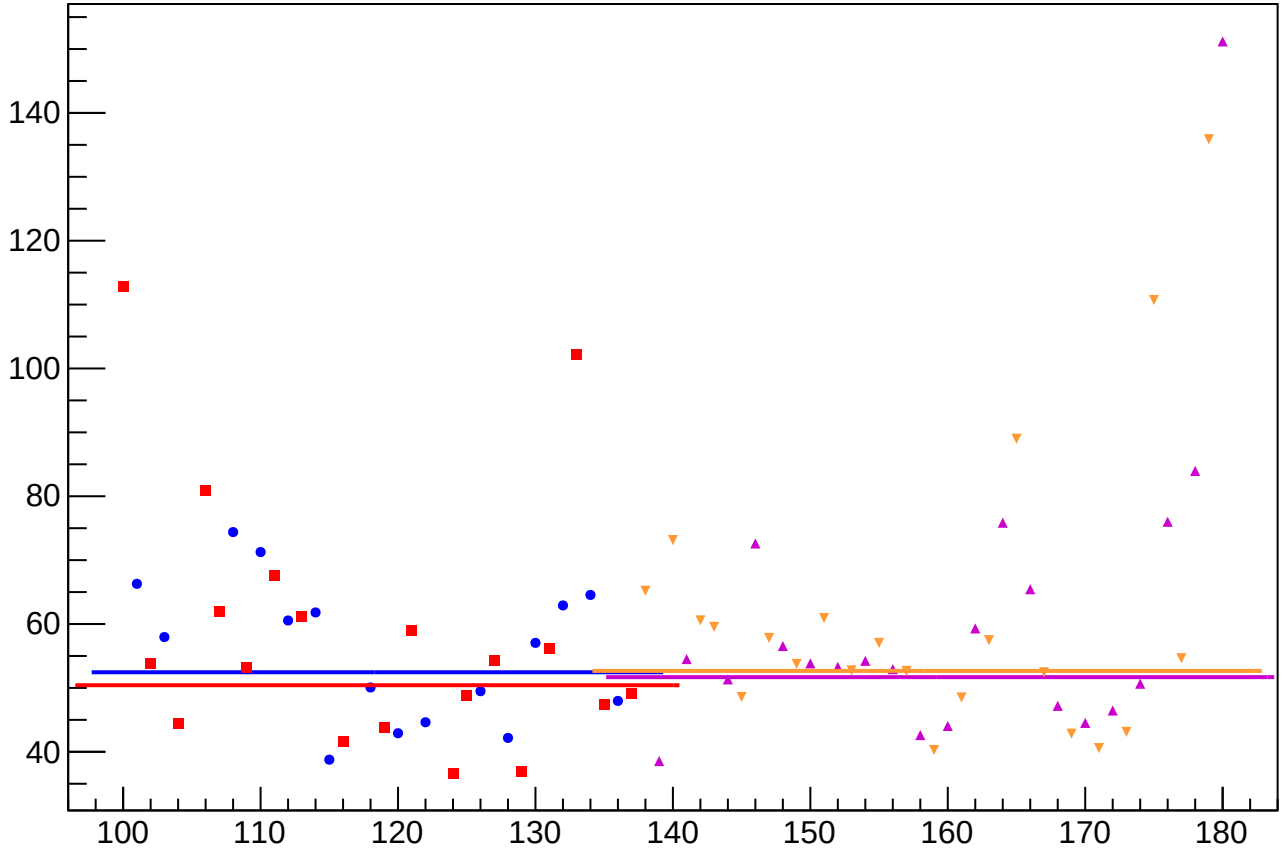
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:41.5/36

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 87.5/77

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: 52.662+/-0.009 χ^2/NDF:1892228.4/21

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.686+/-0.009 χ^2/NDF:1743609.6/20

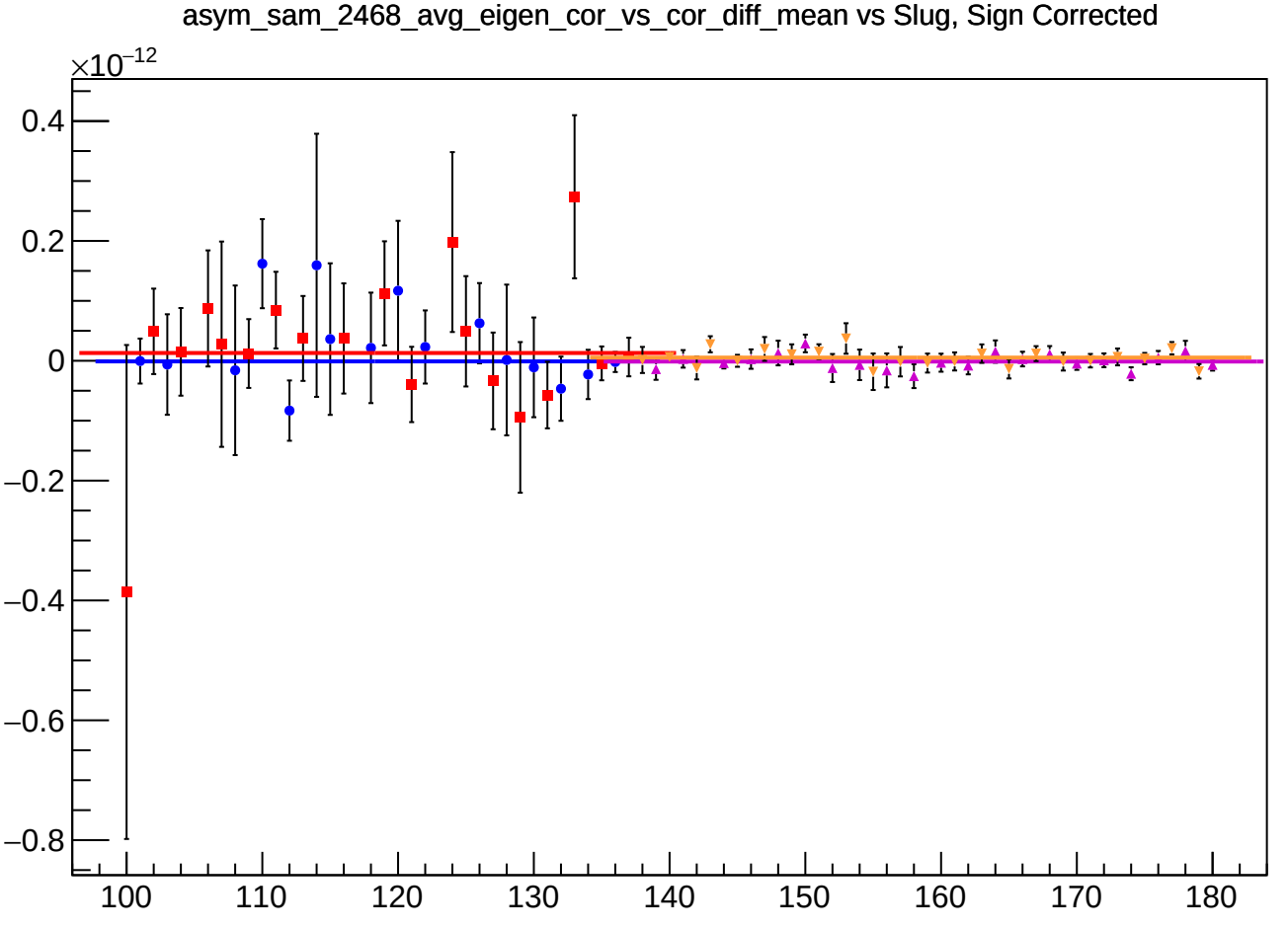
Left: 52.172+/-0.007 χ^2/NDF: 3641204.4/42

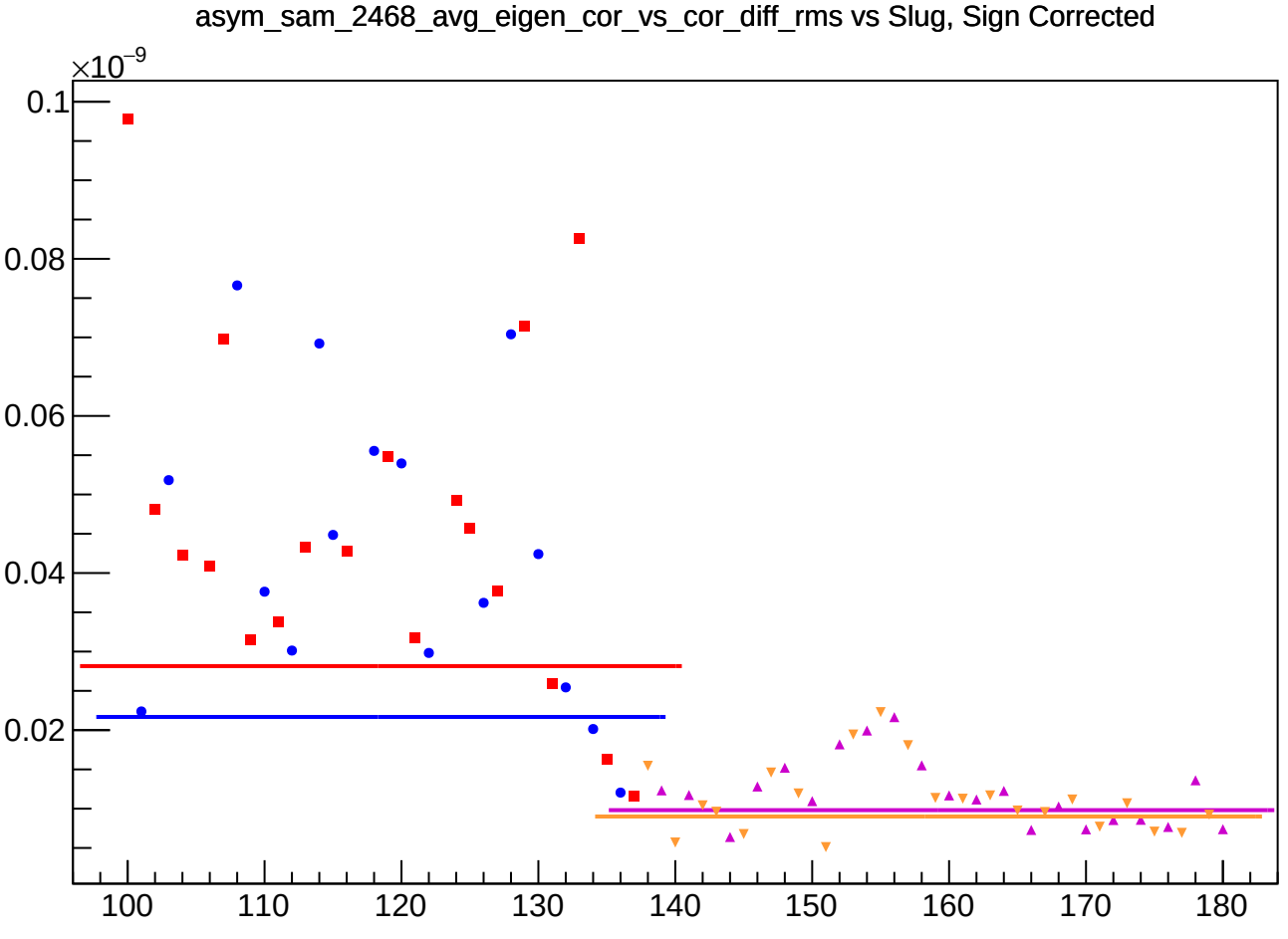
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.914+/-0.008 χ^2/NDF:2163544.4/36

Out: 51.946+/-0.008 χ^2/NDF:2586980.9/40

All: 51.930+/-0.006 χ^2/NDF: 4750534.0/77


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
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:14.8/20
Left: 0.000+/-0.000 χ²/NDF: 33.4/42
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:26.1/36
Out: 0.000+/-0.000 χ²/NDF:30.0/40
All: 0.000+/-0.000 χ²/NDF: 58.9/77



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2446047.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2288886.1/20

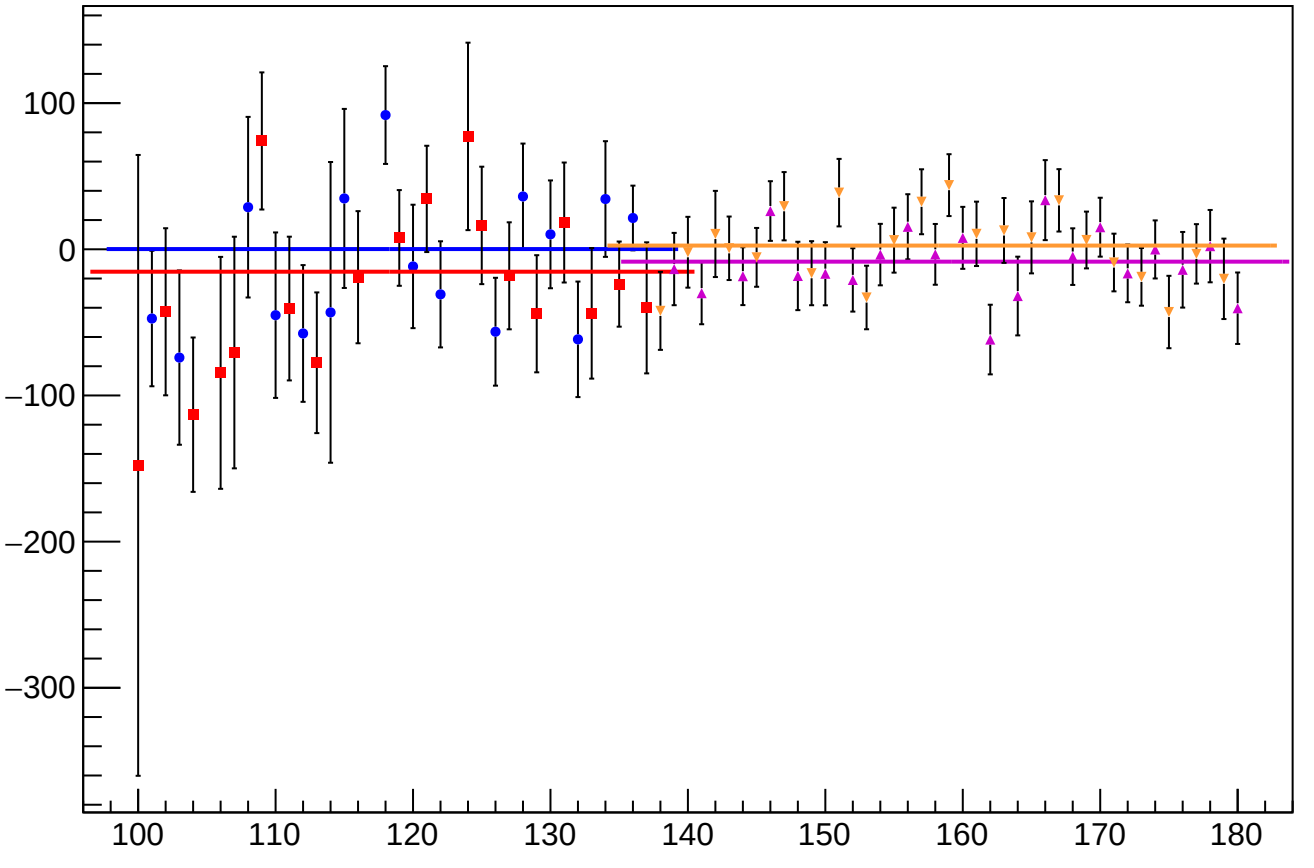
Left: 0.000+/-0.000 χ^2/NDF: 4810172.2/42

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6655344.2/36

Out: 0.000+/-0.000 χ^2/NDF:8182605.8/40

All: 0.000+/-0.000 χ^2/NDF: 14913149.2/77



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.548+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.461+/-4.810 χ^2/NDF:18.5/20

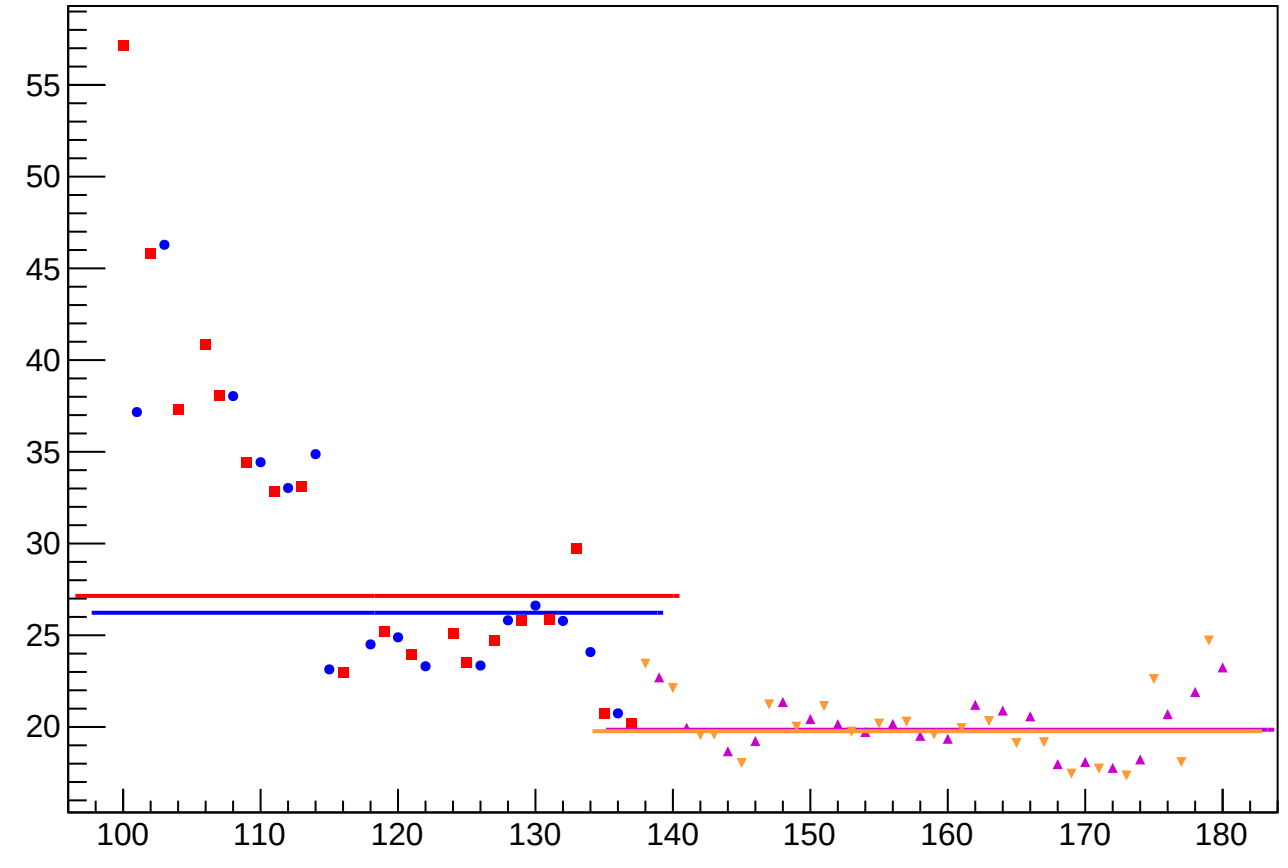
Left: -2.899+/-3.383 χ^2/NDF: 45.3/42

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.855+/-4.338 χ^2/NDF:40.4/36

Out: -0.615+/-4.318 χ^2/NDF:44.6/40

All: -3.721+/-3.061 χ^2/NDF: 86.1/77



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

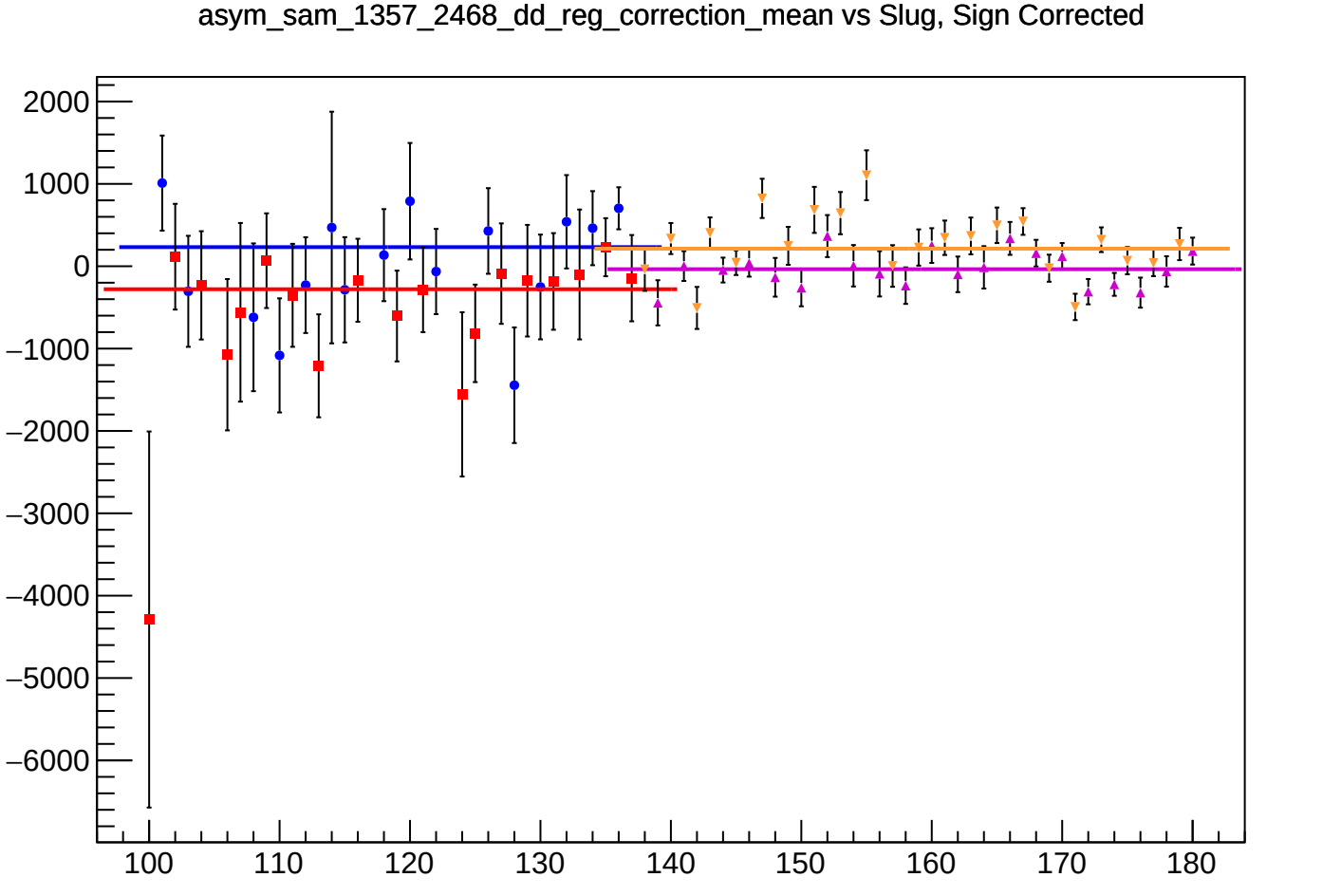
Left: 19.810+/-0.002 χ^2/NDF: 460840.9/42

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.040+/-0.003 χ^2/NDF:1513927.6/36

Out: 21.075+/-0.003 χ^2/NDF:1882783.5/40

All: 21.057+/-0.002 χ^2/NDF: 3396774.8/77


asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected
2000
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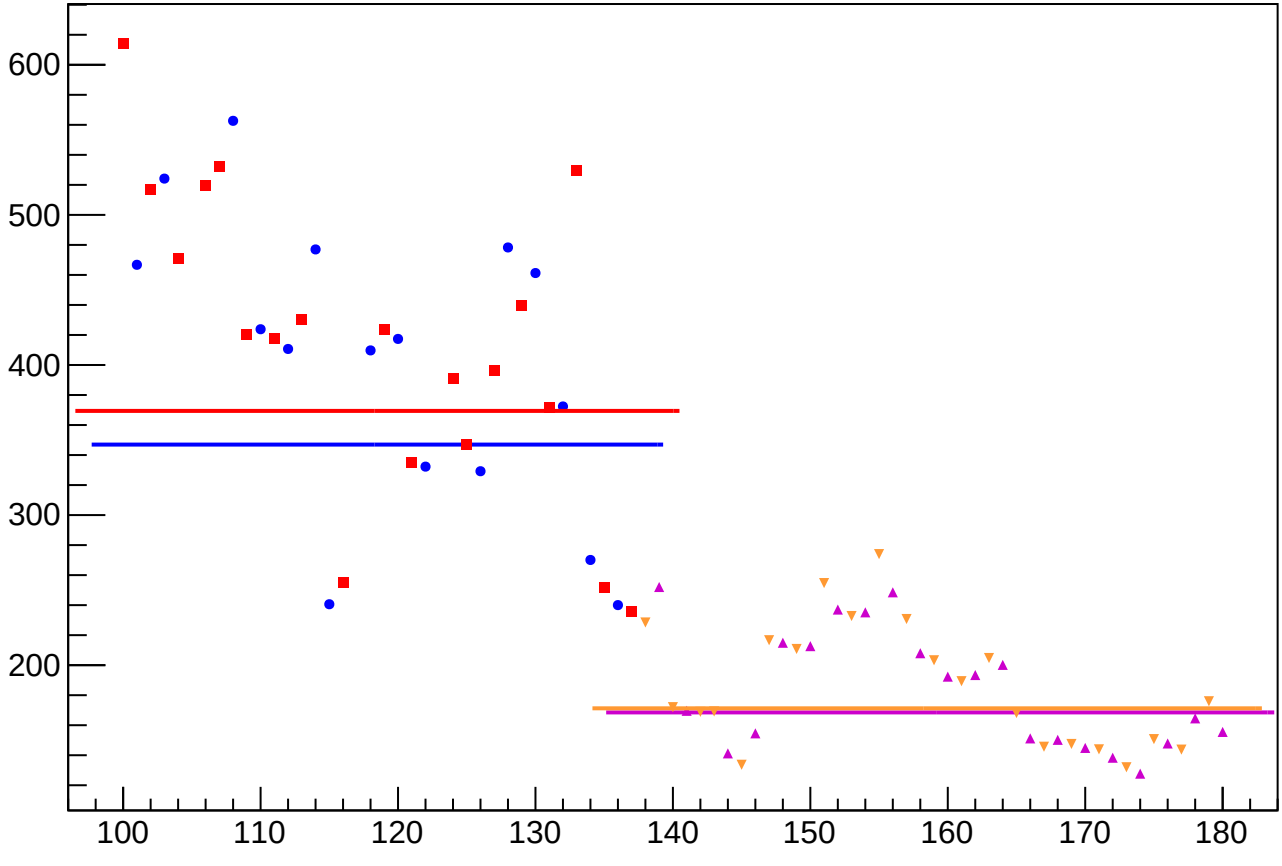
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
180
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 213.238+/-41.997 χ²/NDF:64.2/21
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -35.994+/-41.556 χ²/NDF:24.0/20
Left: 87.306+/-29.539 χ²/NDF: 106.0/42
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: -12.750+/-39.714 χ²/NDF:47.3/36
Out: 172.578+/-40.226 χ²/NDF:87.6/40
All: 78.727+/-28.261 χ²/NDF: 145.6/77

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: 171.258+/-0.030 χ^2/NDF:1467813.2/21

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 168.528+/-0.029 χ^2/NDF:1392173.5/20

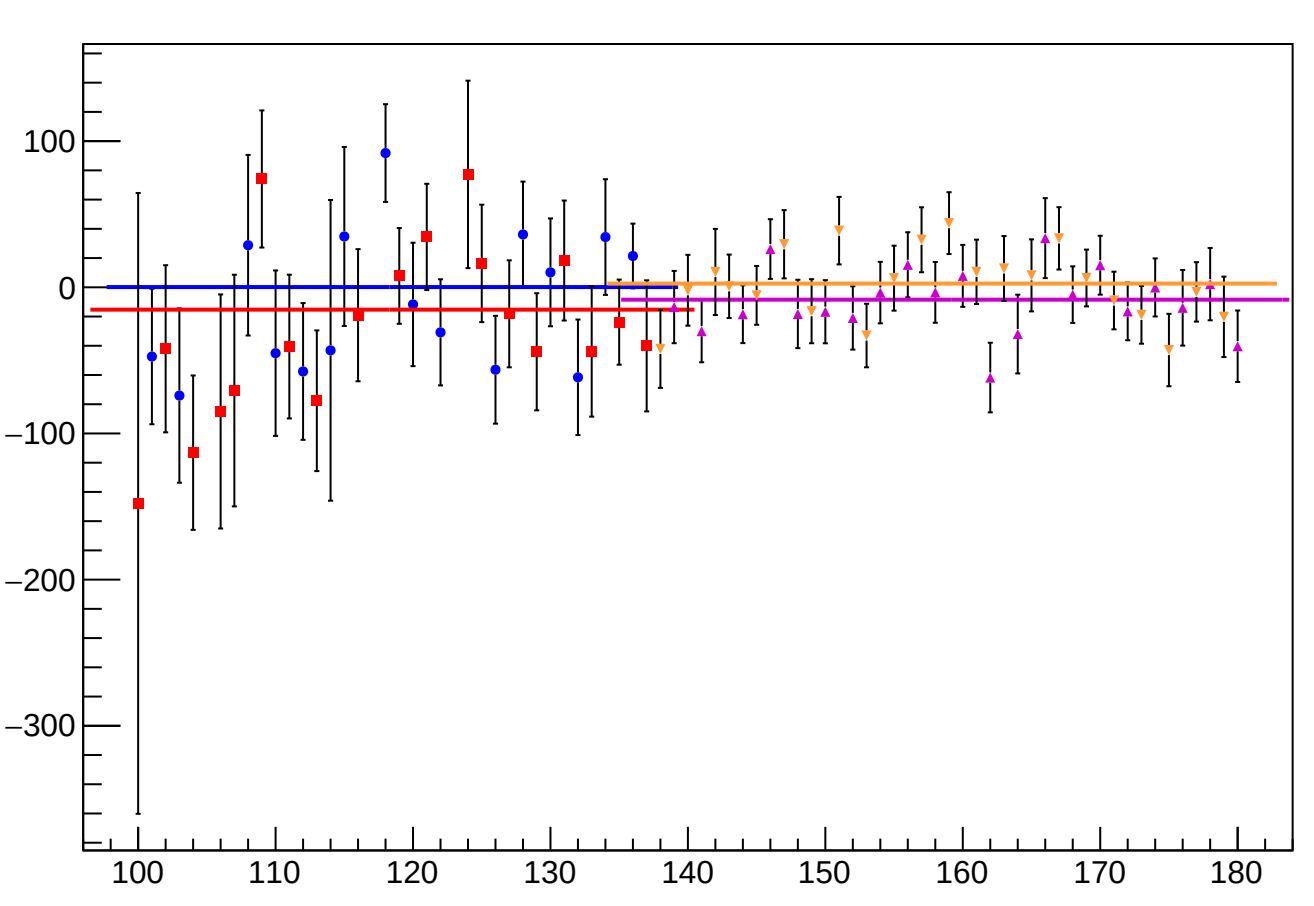
Left: 169.879+/-0.021 χ^2/NDF: 2864257.3/42

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 184.000+/-0.028 χ^2/NDF:5647581.4/36

Out: 187.625+/-0.028 χ^2/NDF:6064125.4/40

All: 185.789+/-0.020 χ^2/NDF: 11719932.5/77



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.461+/-4.810 χ^2/NDF:18.5/20

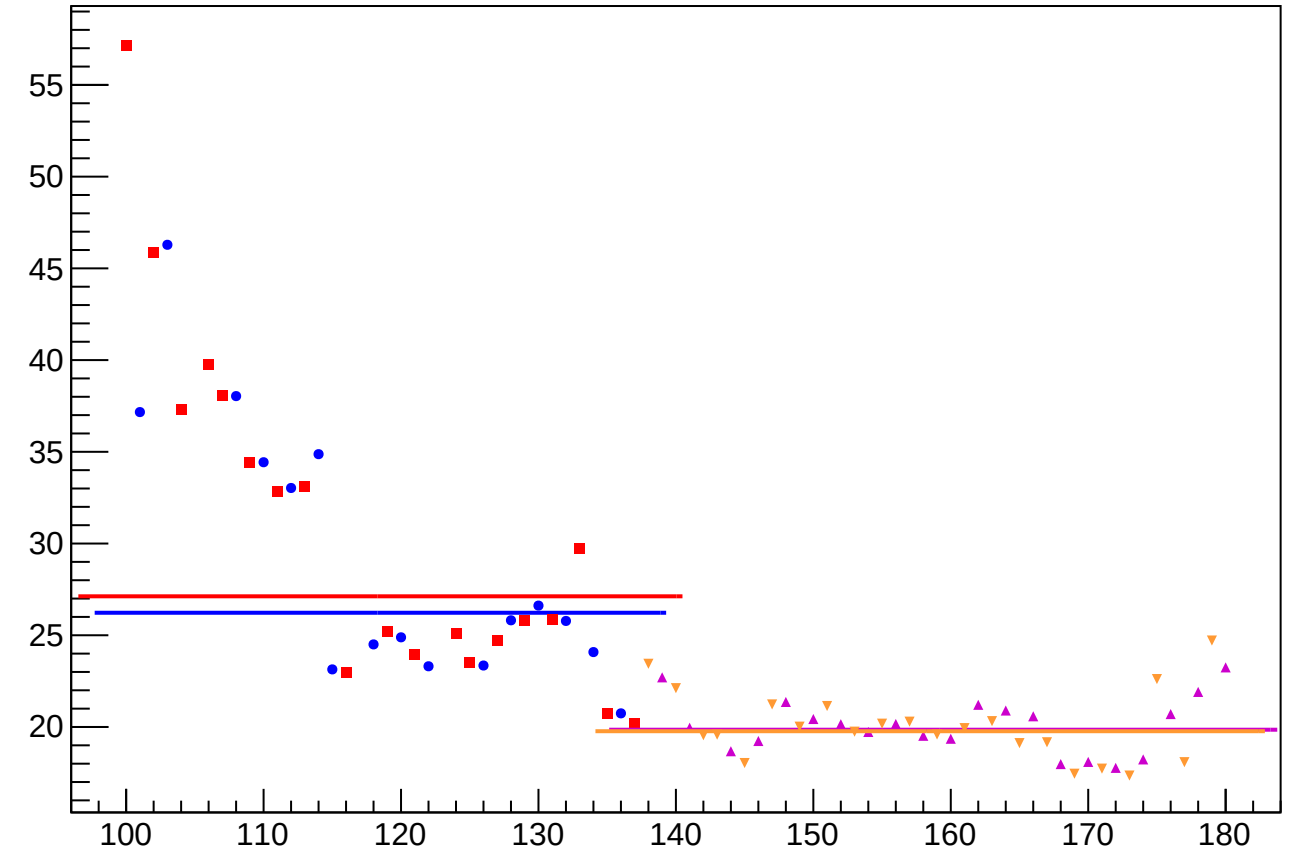
Left: -2.899+/-3.383 χ^2/NDF: 45.3/42

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.855+/-4.338 χ^2/NDF:40.4/36

Out: -0.608+/-4.319 χ^2/NDF:44.6/40

All: -3.717+/-3.061 χ^2/NDF: 86.0/77



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

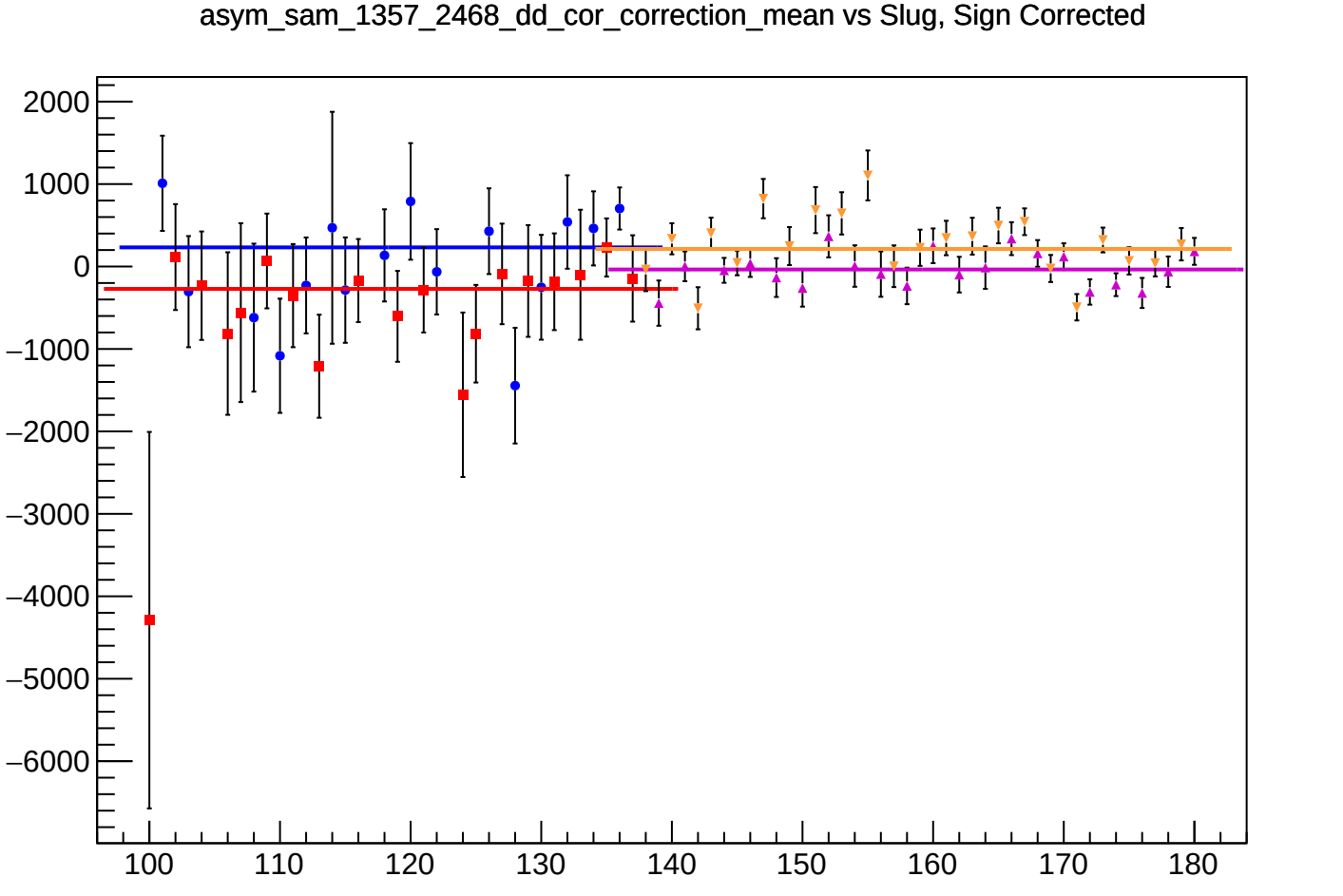
Left: 19.810+/-0.002 χ^2/NDF: 460840.9/42

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.040+/-0.003 χ^2/NDF:1513930.9/36

Out: 21.070+/-0.003 χ^2/NDF:1867767.3/40

All: 21.055+/-0.002 χ^2/NDF: 3381747.3/77


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
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−6000
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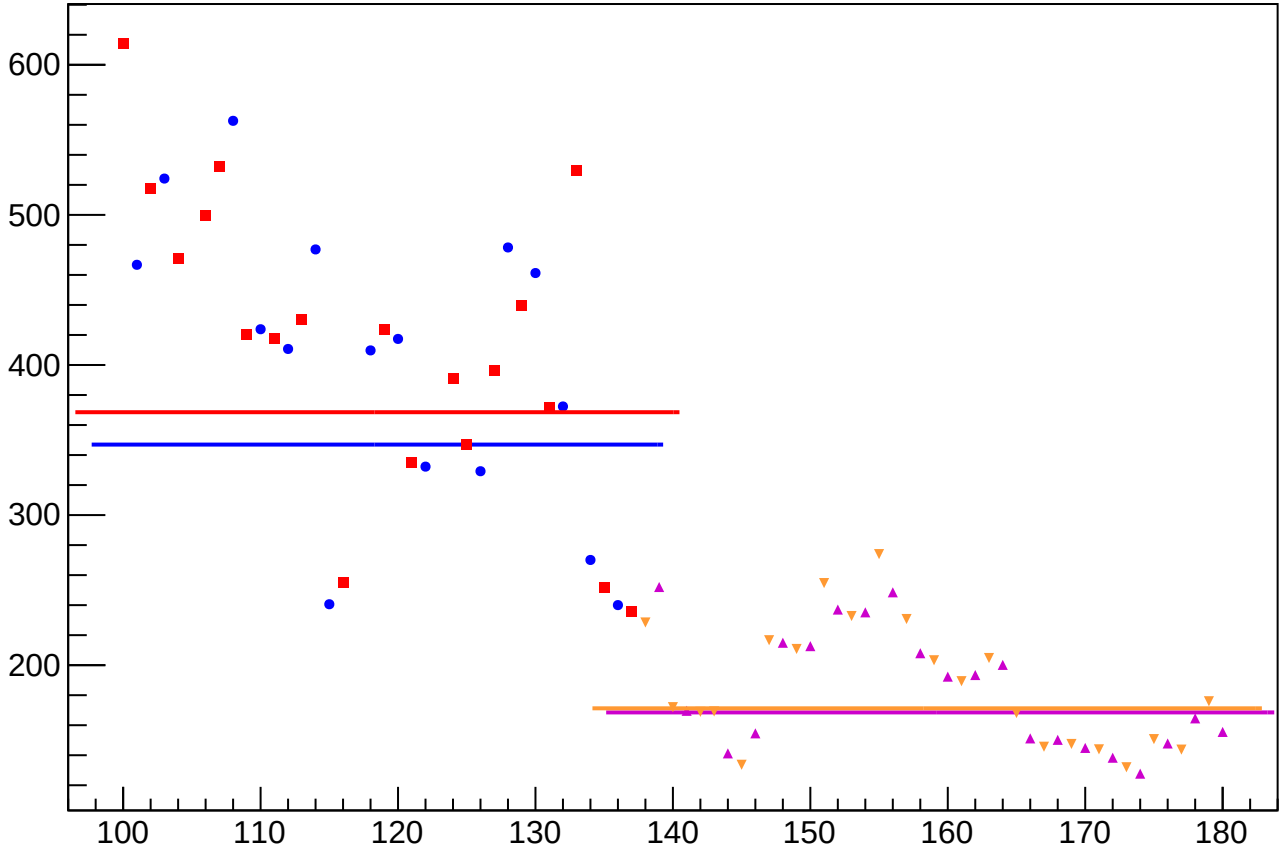
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 213.237+/-41.997 χ²/NDF:64.2/21
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -35.995+/-41.556 χ²/NDF:24.0/20
Left: 87.305+/-29.539 χ²/NDF: 106.0/42
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -12.751+/-39.714 χ²/NDF:47.3/36
Out: 173.320+/-40.231 χ²/NDF:86.8/40
All: 79.082+/-28.263 χ²/NDF: 144.9/77

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: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

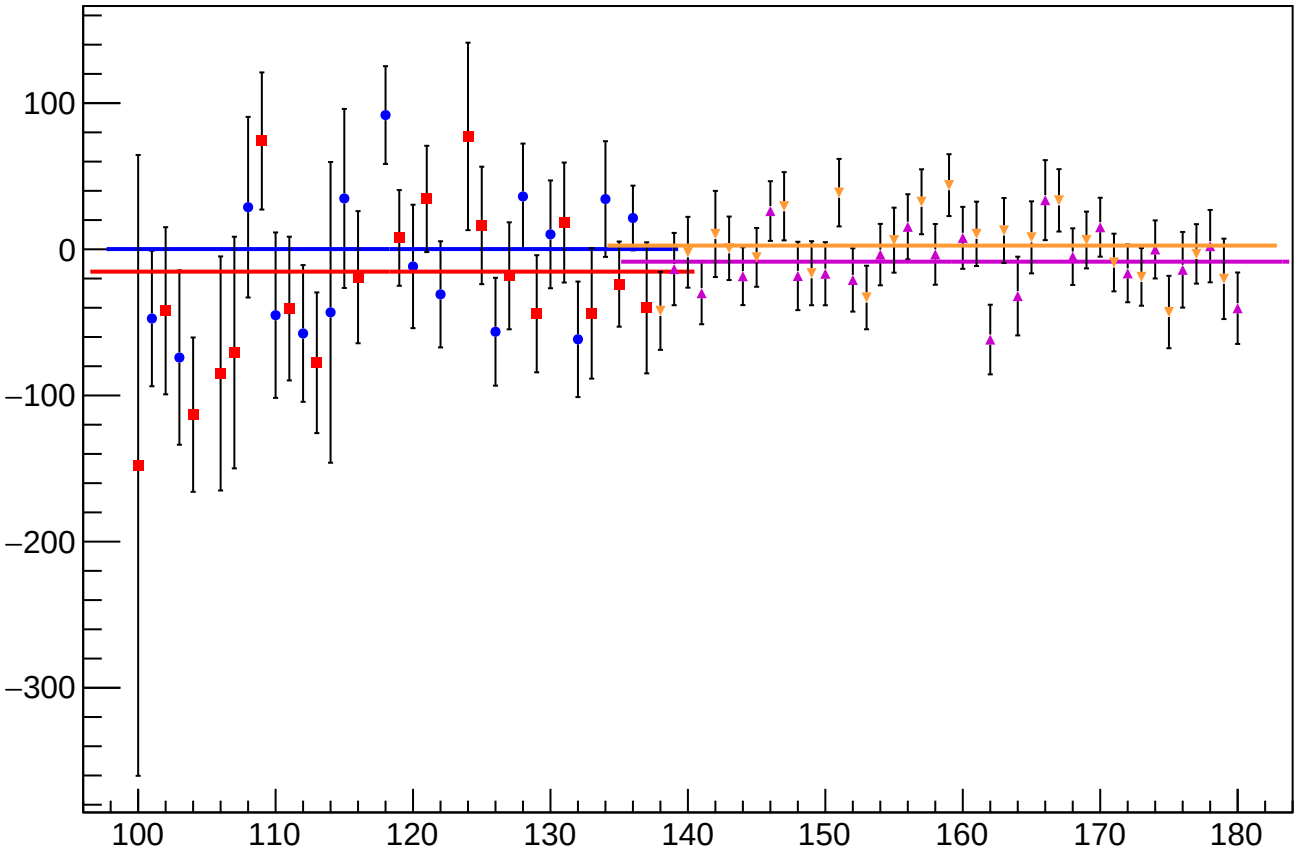
Left: 169.879+/-0.021 χ^2/NDF: 2864255.3/42

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 184.000+/-0.028 χ^2/NDF:5647596.2/36

Out: 187.507+/-0.028 χ^2/NDF:6003013.4/40

All: 185.731+/-0.020 χ^2/NDF: 11658306.8/77



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.461+/-4.810 χ^2/NDF:18.5/20

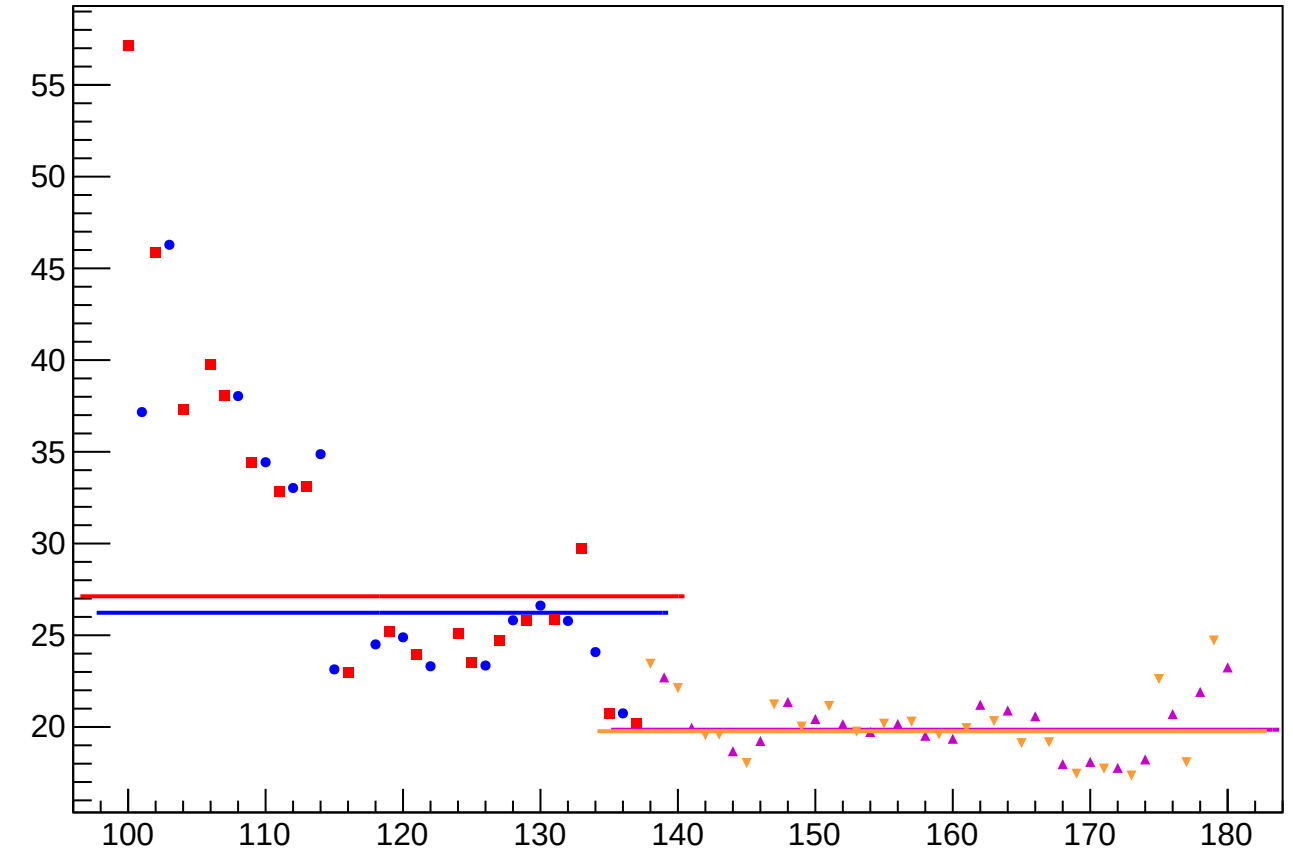
Left: -2.899+/-3.383 χ^2/NDF: 45.3/42

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.855+/-4.338 χ^2/NDF:40.4/36

Out: -0.608+/-4.319 χ^2/NDF:44.6/40

All: -3.717+/-3.061 χ^2/NDF: 86.0/77



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.851+/-0.003 χ^2/NDF:182752.1/20

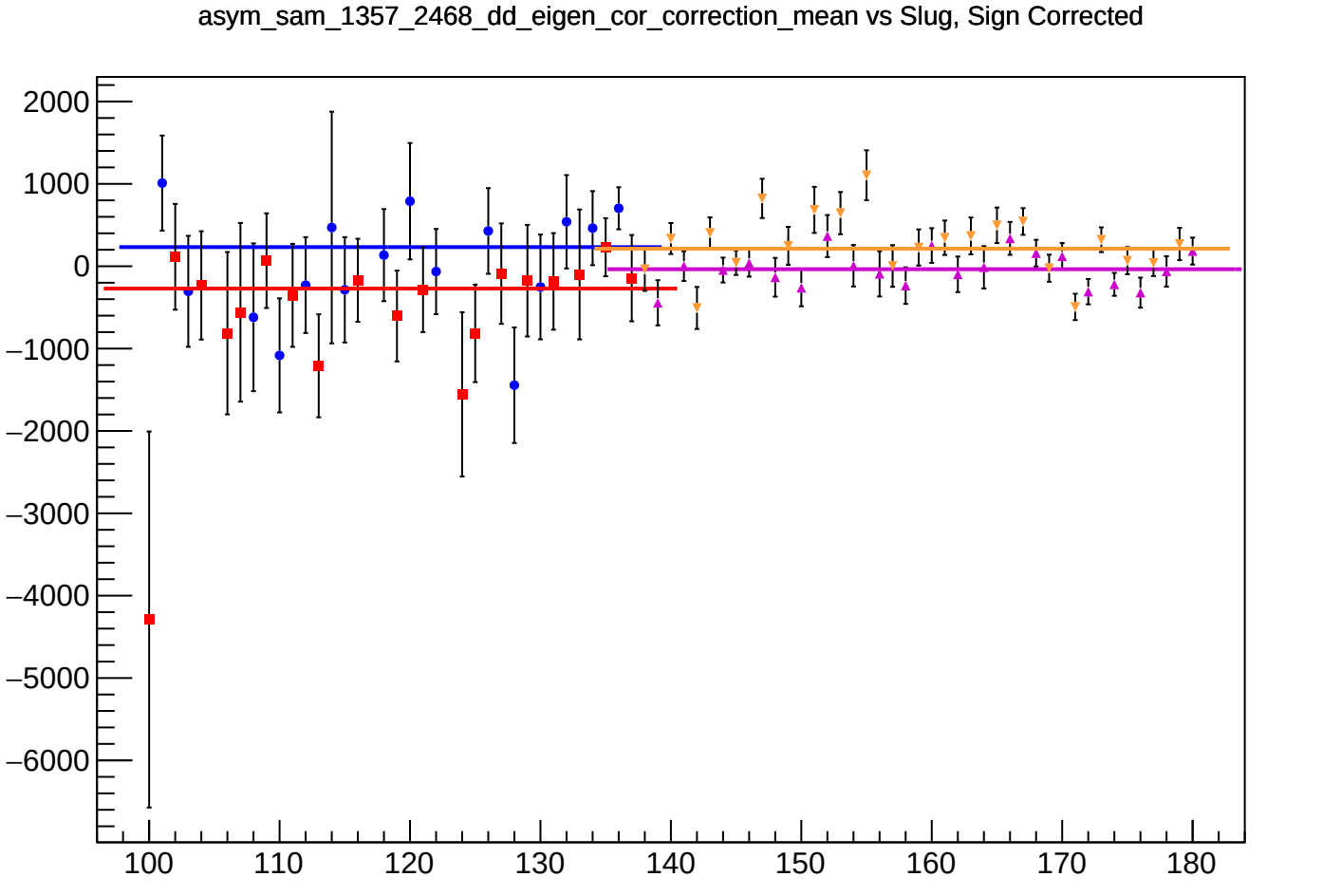
Left: 19.810+/-0.002 χ^2/NDF: 460840.9/42

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.040+/-0.003 χ^2/NDF:1513930.9/36

Out: 21.070+/-0.003 χ^2/NDF:1867767.3/40

All: 21.055+/-0.002 χ^2/NDF: 3381747.3/77


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
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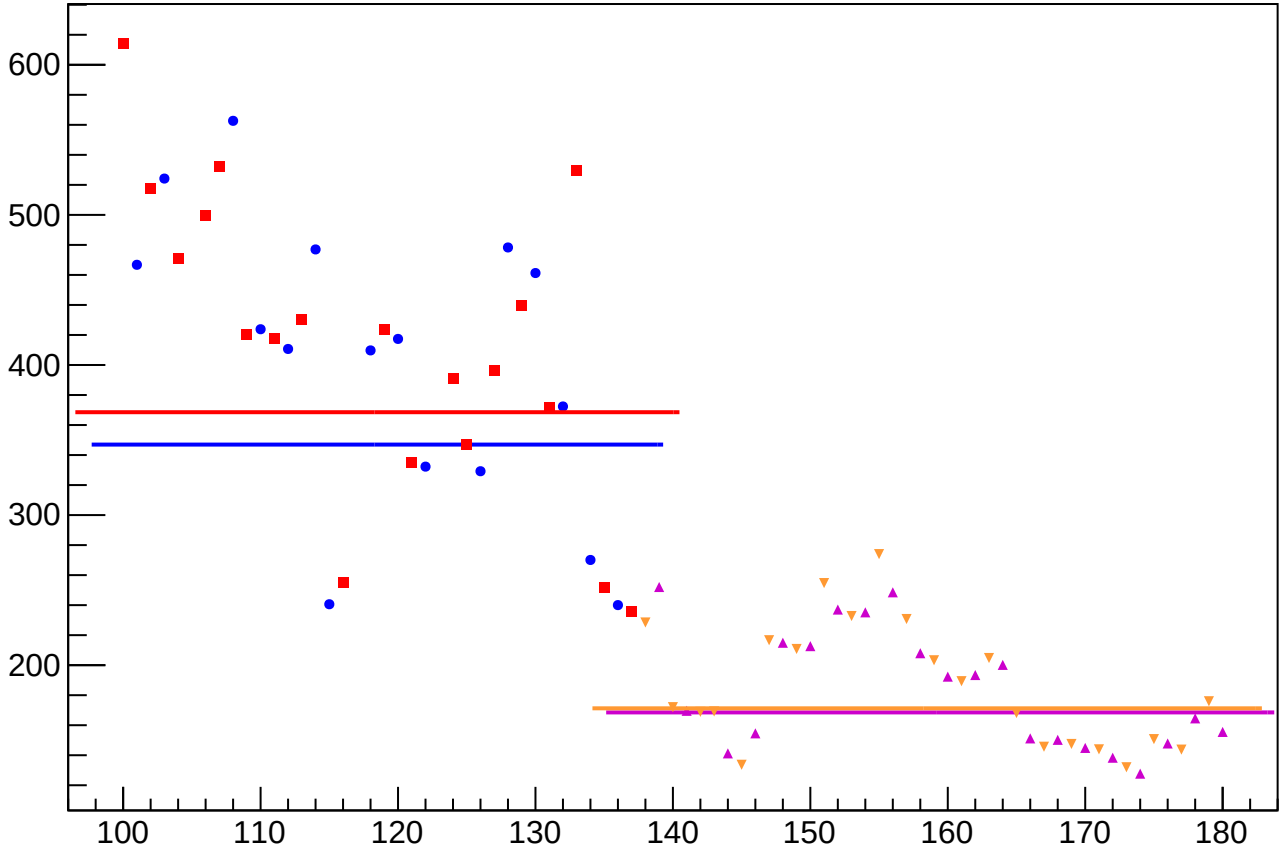
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 213.237+/-41.997 χ²/NDF:64.2/21
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -35.995+/-41.556 χ²/NDF:24.0/20
Left: 87.305+/-29.539 χ²/NDF: 106.0/42
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -12.751+/-39.714 χ²/NDF:47.3/36
Out: 173.320+/-40.231 χ²/NDF:86.8/40
All: 79.082+/-28.263 χ²/NDF: 144.9/77

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: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 168.528+/-0.029 χ^2/NDF:1392169.4/20

Left: 169.879+/-0.021 χ^2/NDF: 2864255.3/42

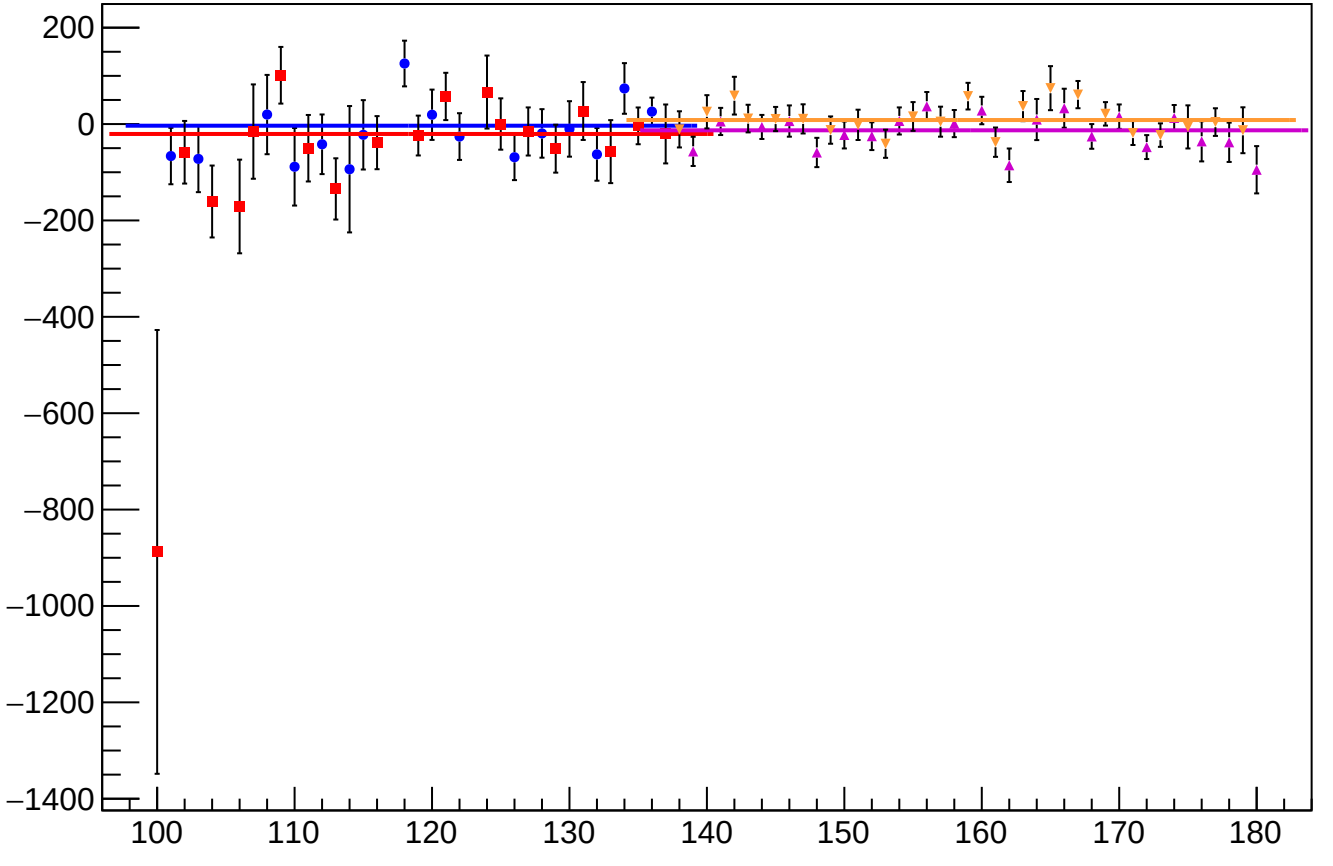
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 184.000+/-0.028 χ^2/NDF:5647596.2/36

Out: 187.507+/-0.028 χ^2/NDF:6003013.4/40

All: 185.731+/-0.020 χ^2/NDF: 11658306.8/77

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.974+/-6.588 χ^2/NDF:24.9/20

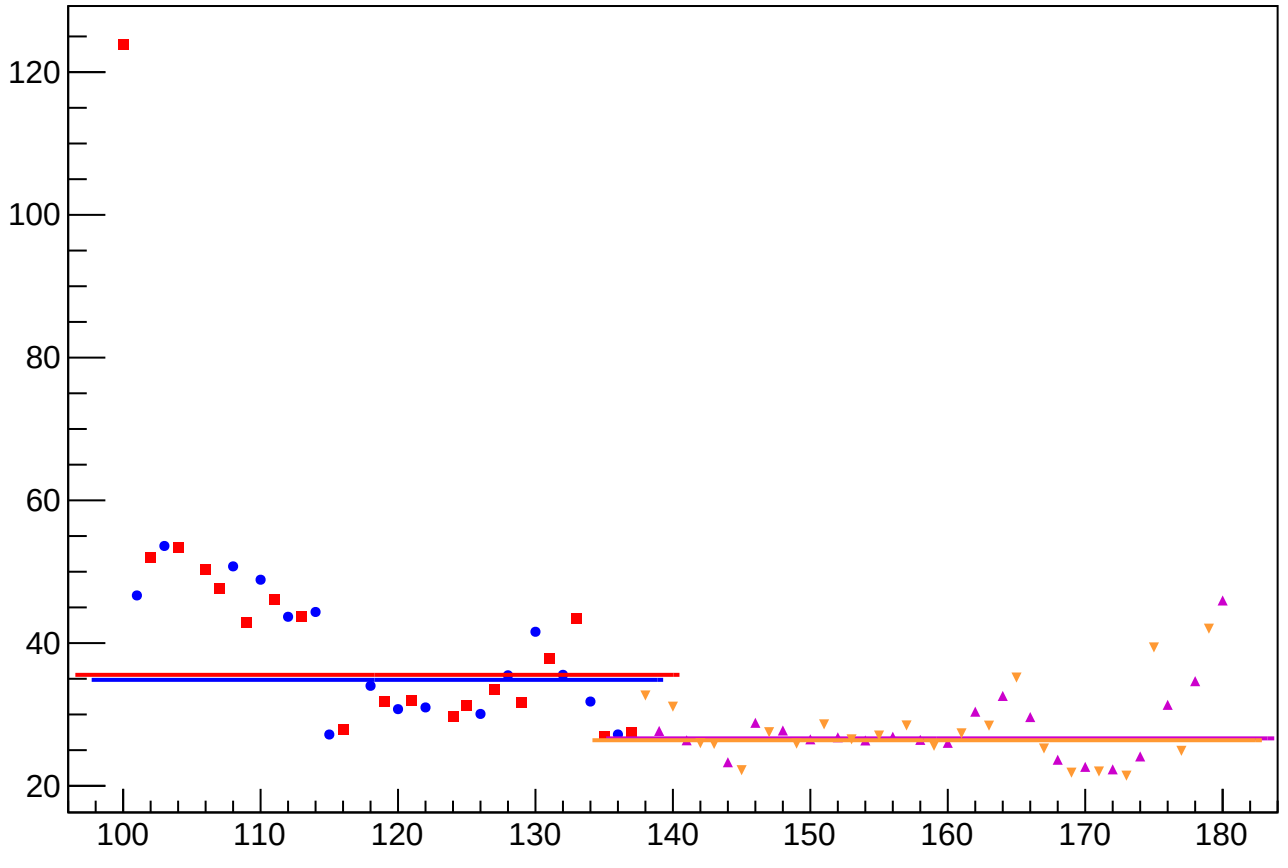
Left: -2.098+/-4.612 χ^2/NDF: 51.3/42

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -11.113+/-5.912 χ^2/NDF:43.8/36

Out: 2.950+/-5.824 χ^2/NDF:48.0/40

All: -3.976+/-4.149 χ^2/NDF: 94.6/77



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867297.7/21

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.651+/-0.005 χ^2/NDF:693369.7/20

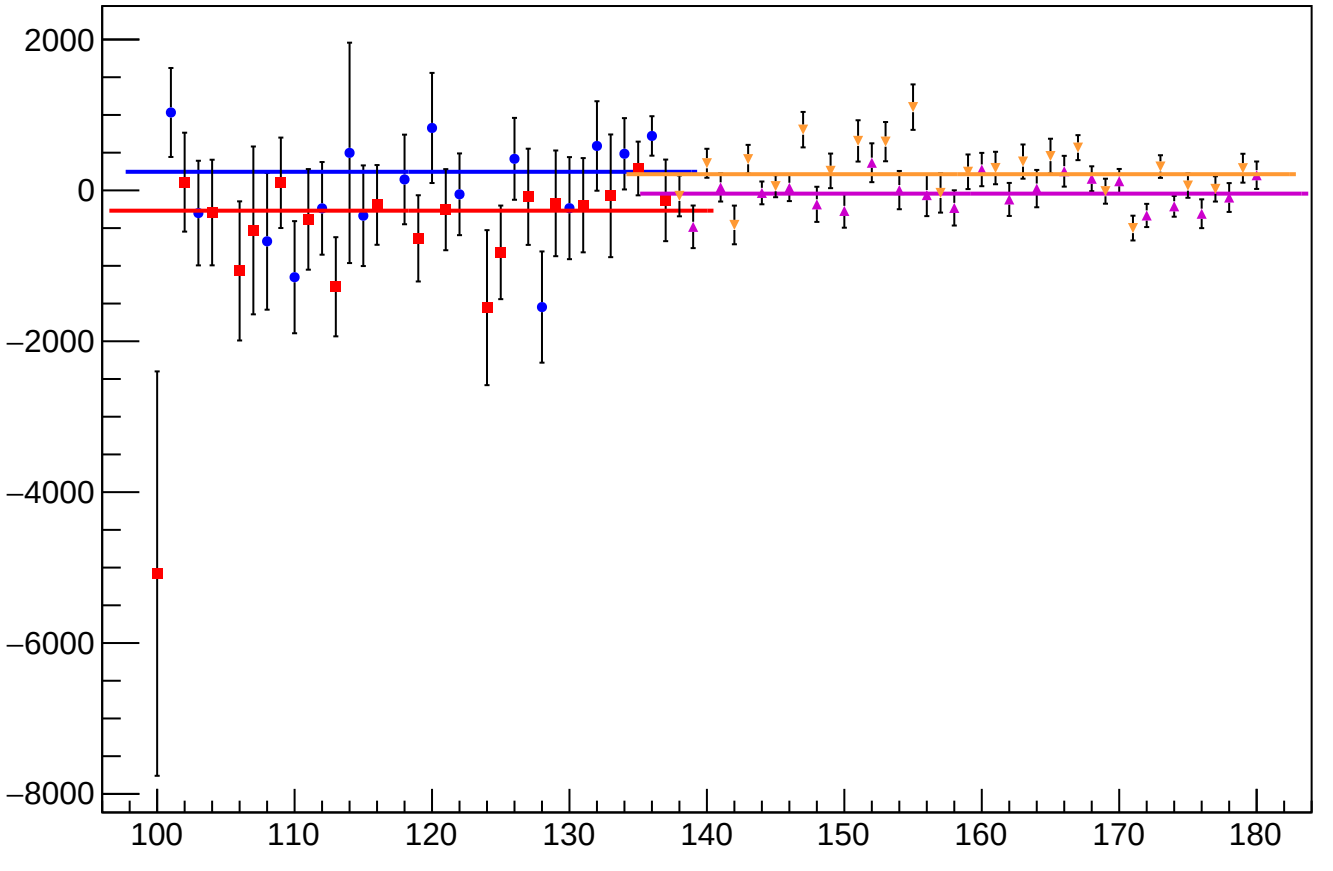
Left: 26.517+/-0.003 χ^2/NDF: 1562271.1/42

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.248+/-0.004 χ^2/NDF:1955170.0/36

Out: 28.101+/-0.004 χ^2/NDF:2399332.1/40

All: 28.174+/-0.003 χ^2/NDF: 4355131.0/77



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.729+/-42.412 χ^2/NDF:62.1/21

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -42.993+/-42.491 χ^2/NDF:23.2/20

Left: 86.108+/-30.018 χ^2/NDF: 103.7/42

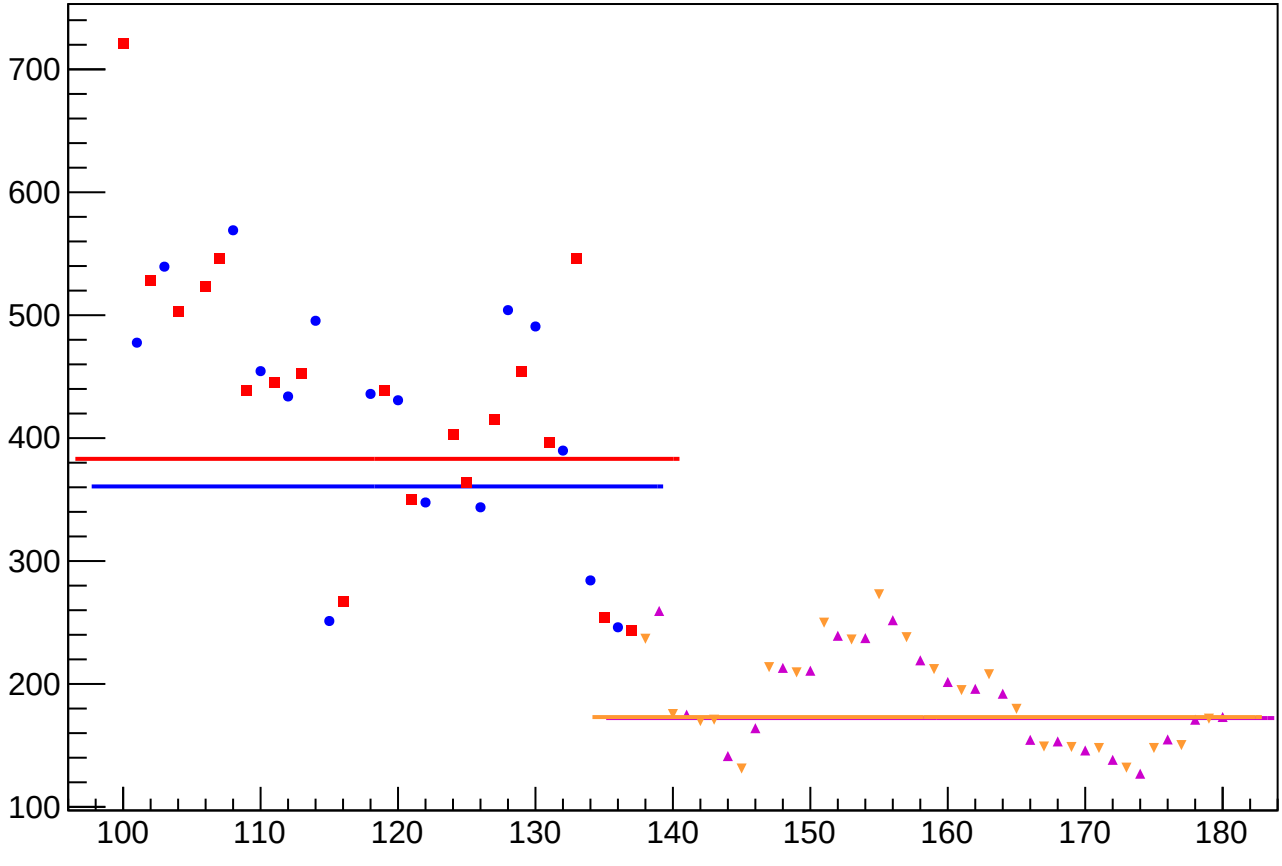
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -18.661+/-40.667 χ^2/NDF:46.8/36

Out: 176.754+/-40.713 χ^2/NDF:84.9/40

All: 78.934+/-28.772 χ^2/NDF: 143.3/77

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: 173.058+/-0.030 χ^2/NDF:1499843.3/21

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 172.253+/-0.030 χ^2/NDF:1406477.4/20

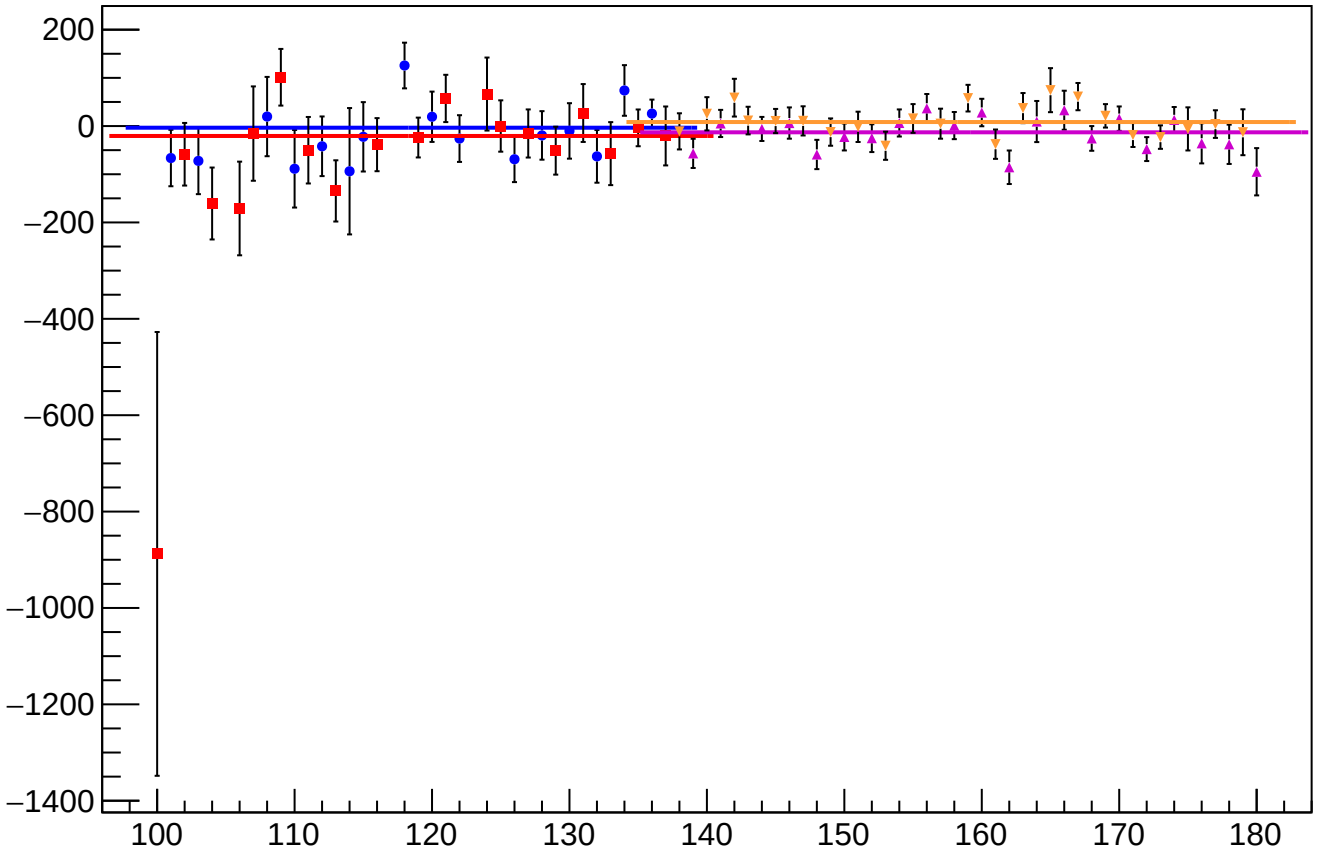
Left: 172.656+/-0.021 χ^2/NDF: 2906680.8/42

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 188.090+/-0.029 χ^2/NDF:5805136.3/36

Out: 189.553+/-0.029 χ^2/NDF:6315585.4/40

All: 188.821+/-0.020 χ^2/NDF: 12122013.7/77



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -12.974+/-6.588 χ^2/NDF:24.9/20

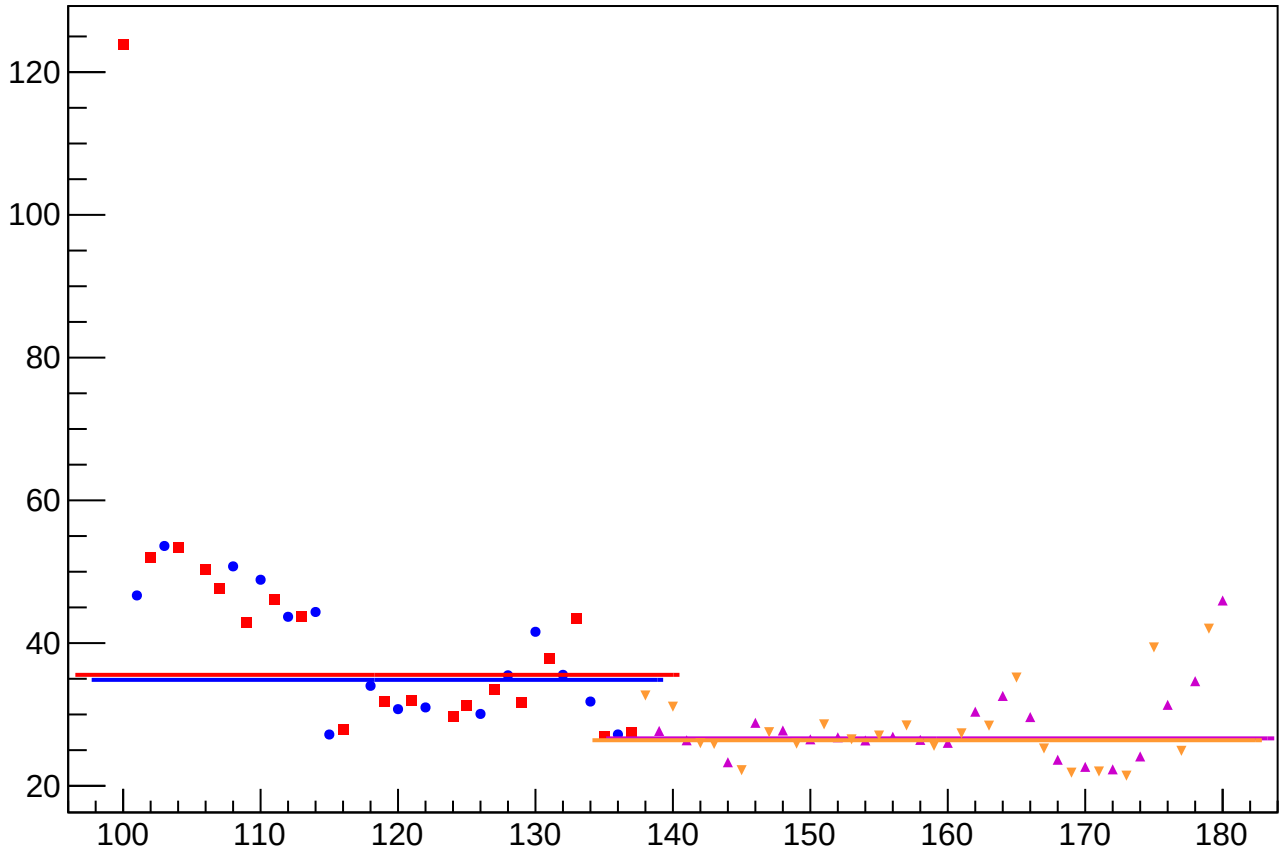
Left: -2.098+/-4.612 χ^2/NDF: 51.3/42

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -11.113+/-5.912 χ^2/NDF:43.8/36

Out: 2.950+/-5.824 χ^2/NDF:48.0/40

All: -3.977+/-4.149 χ^2/NDF: 94.6/77



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867311.9/21

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.651+/-0.005 χ^2/NDF:693346.9/20

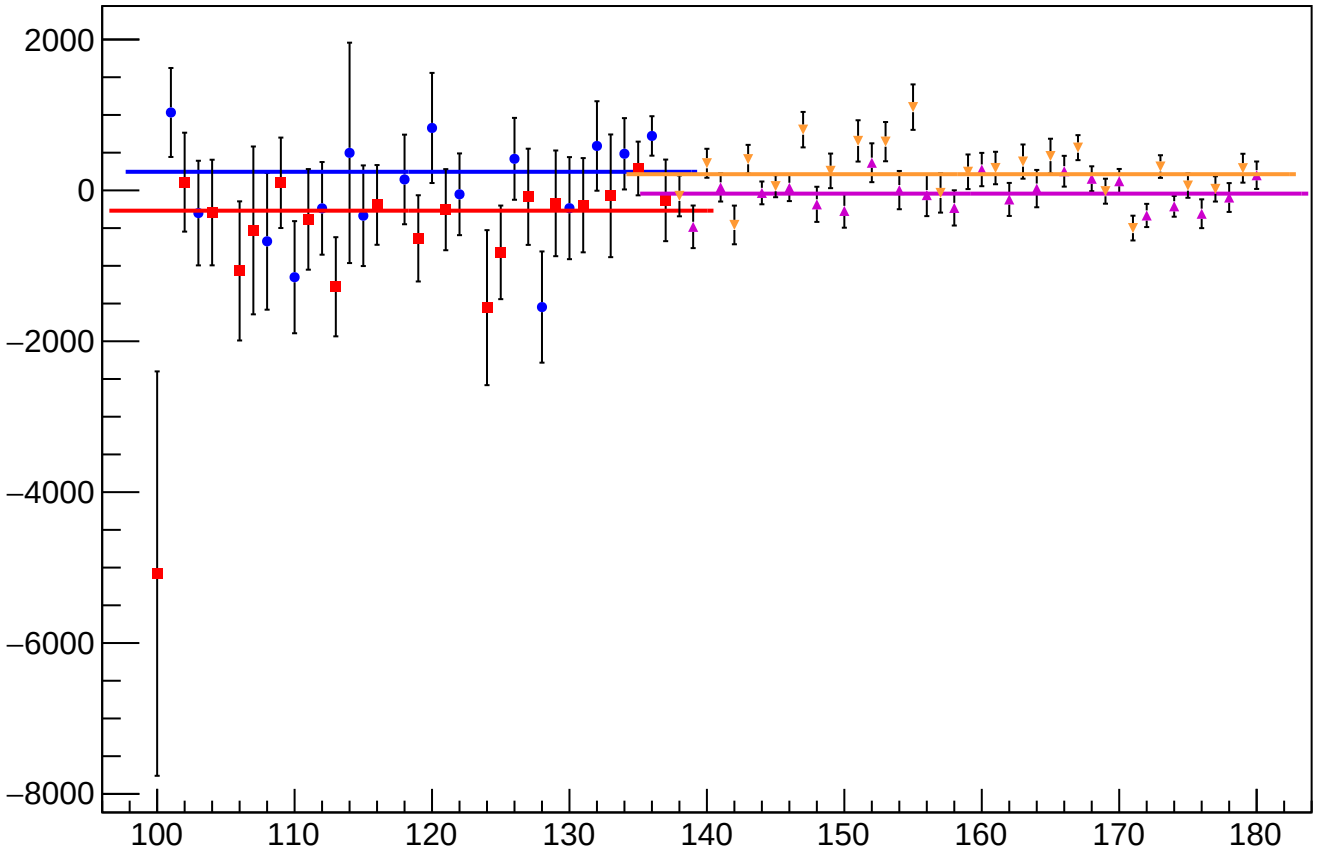
Left: 26.517+/-0.003 χ^2/NDF: 1562262.2/42

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.248+/-0.004 χ^2/NDF:1955027.5/36

Out: 28.101+/-0.004 χ^2/NDF:2399249.1/40

All: 28.174+/-0.003 χ^2/NDF: 4354905.2/77



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.728+/-42.412 χ^2/NDF:62.1/21

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -42.992+/-42.491 χ^2/NDF:23.2/20

Left: 86.108+/-30.018 χ^2/NDF: 103.7/42

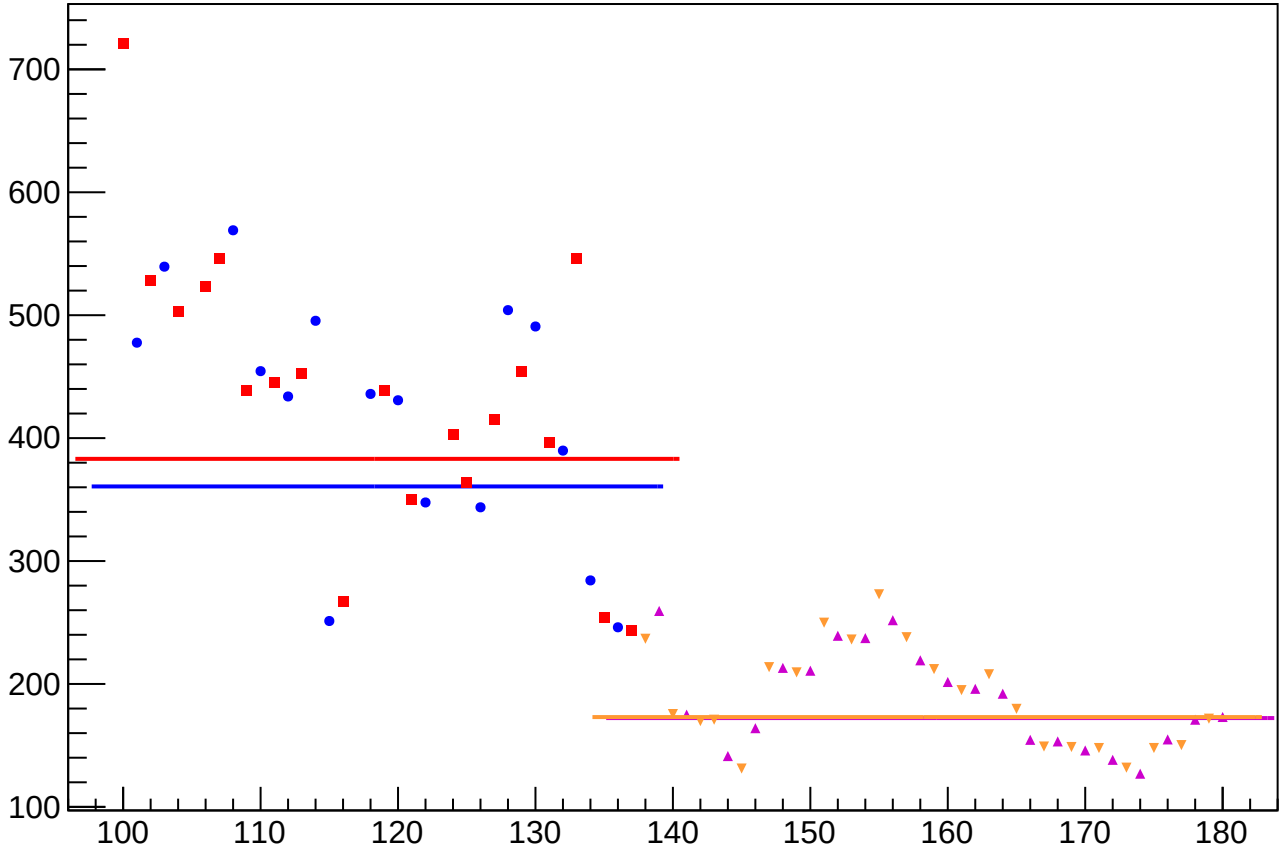
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -18.661+/-40.666 χ^2/NDF:46.8/36

Out: 176.754+/-40.713 χ^2/NDF:84.9/40

All: 78.934+/-28.772 χ^2/NDF: 143.3/77

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: 173.058+/-0.030 χ^2/NDF:1499859.8/21

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 172.252+/-0.030 χ^2/NDF:1406491.4/20

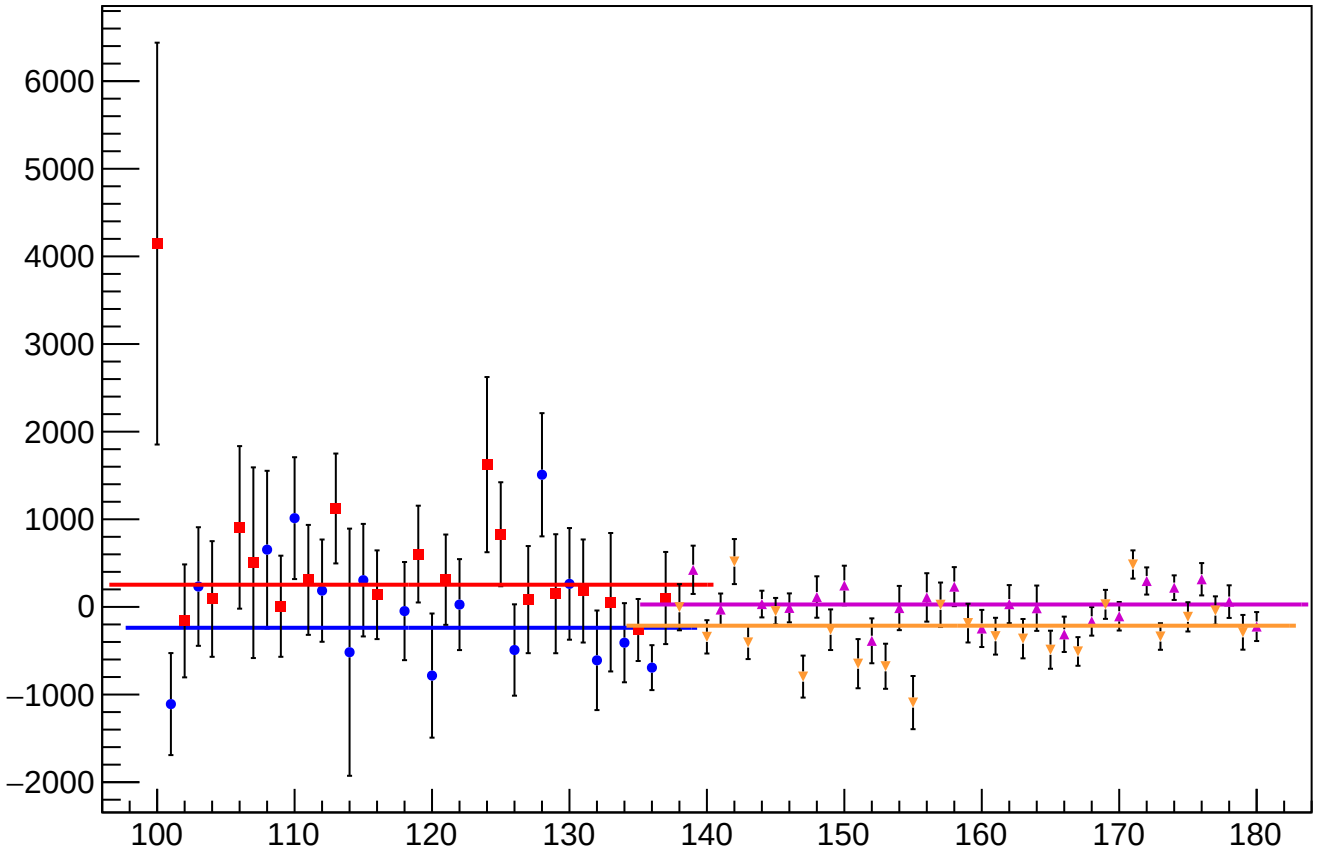
Left: 172.655+/-0.021 χ^2/NDF: 2906711.5/42

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 188.089+/-0.029 χ^2/NDF:5805154.3/36

Out: 189.552+/-0.029 χ^2/NDF:6315605.2/40

All: 188.820+/-0.020 χ^2/NDF: 12122051.7/77



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -214.226+/-42.305 χ^2/NDF:61.1/21

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 27.809+/-41.876 χ^2/NDF:23.1/20

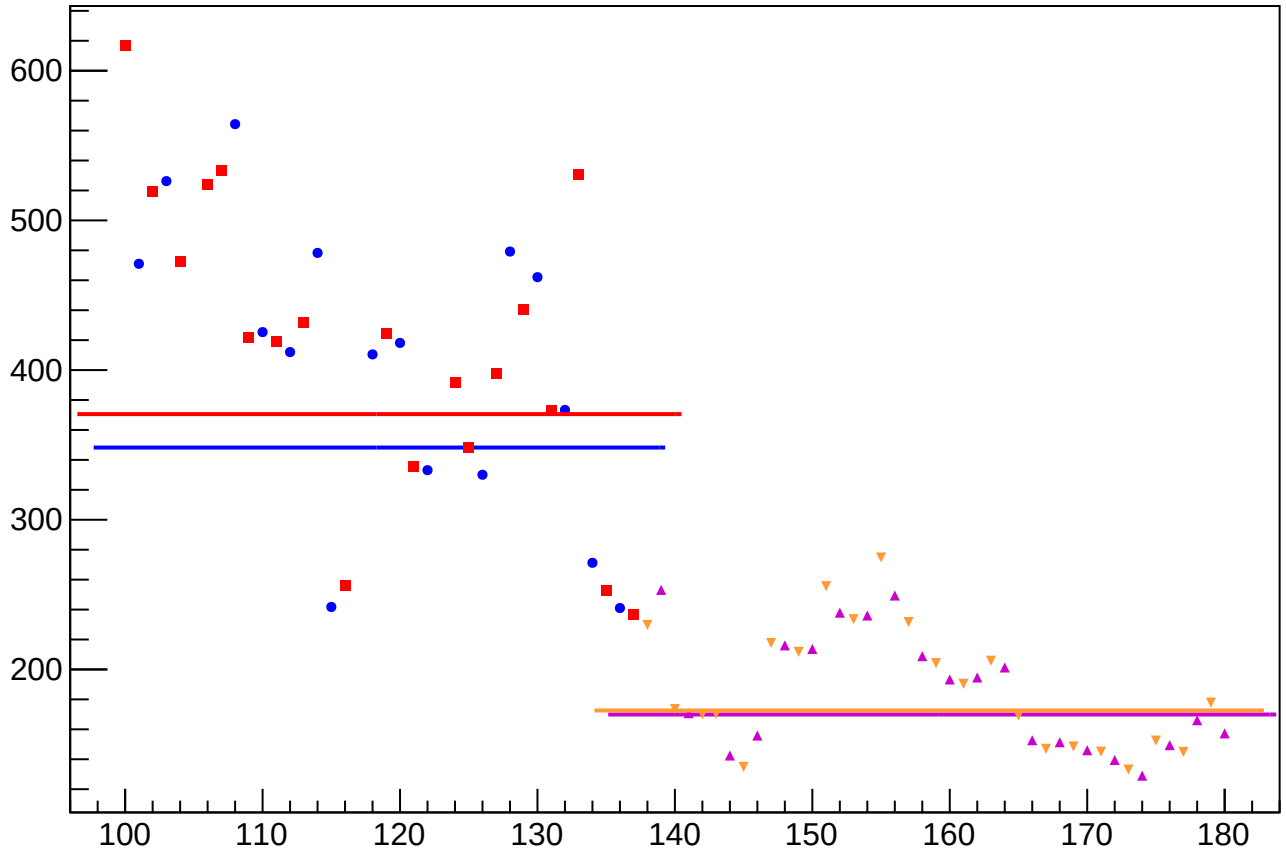
Left: -91.977+/-29.761 χ^2/NDF: 100.7/42

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 4.584+/-40.005 χ^2/NDF:46.6/36

Out: -175.307+/-40.506 χ^2/NDF:82.9/40

All: -84.243+/-28.463 χ^2/NDF: 139.5/77



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.583+/-0.030 χ^2/NDF:1443257.8/21

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.901+/-0.030 χ^2/NDF:1365171.9/20

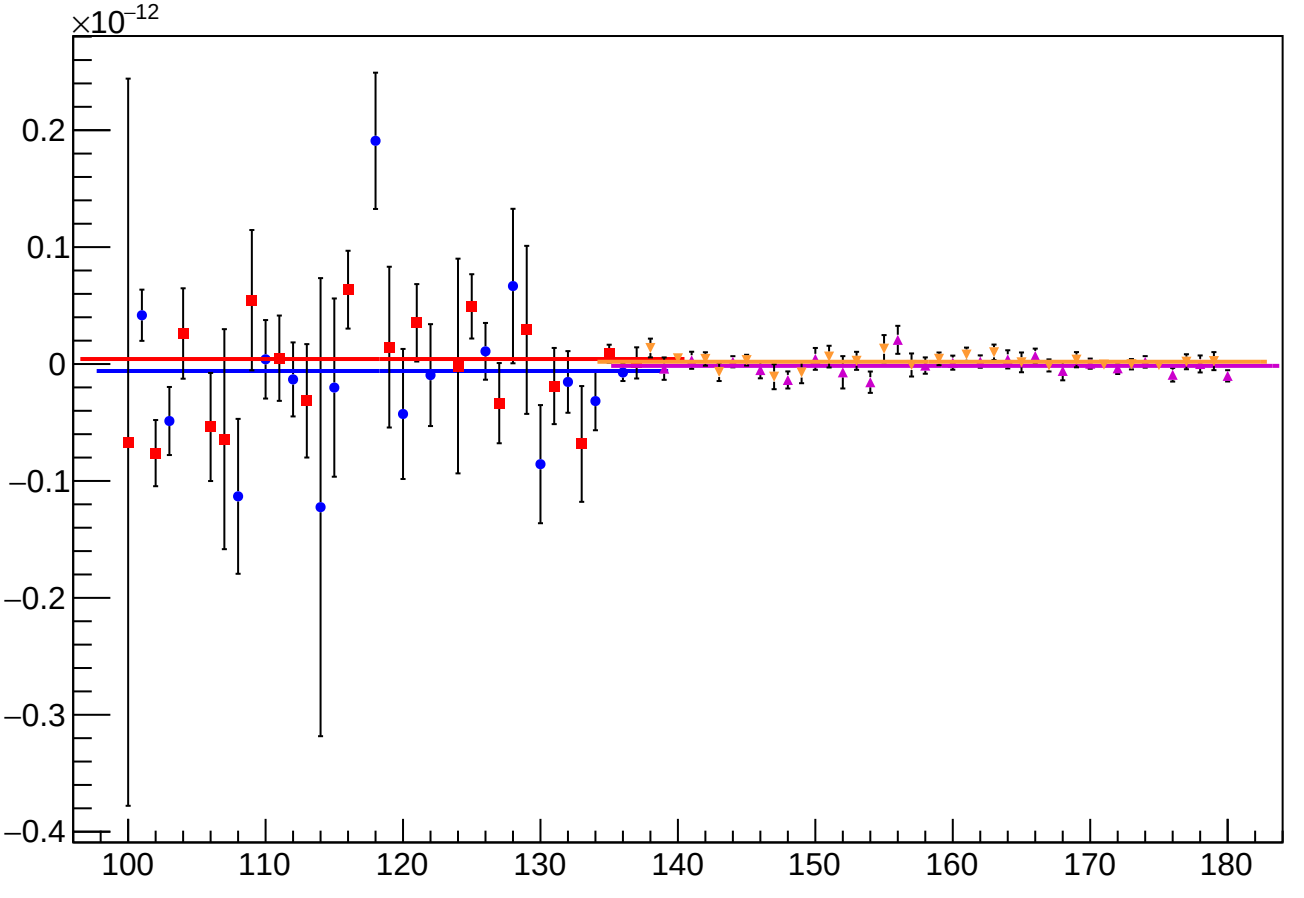
Left: 171.228+/-0.021 χ^2/NDF: 2812489.0/42

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 185.482+/-0.028 χ^2/NDF:5591364.2/36

Out: 189.060+/-0.029 χ^2/NDF:6007181.7/40

All: 187.249+/-0.020 χ^2/NDF: 11606445.3/77



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/20

Left: 0.000+/-0.000 χ^2/NDF: 35.7/42

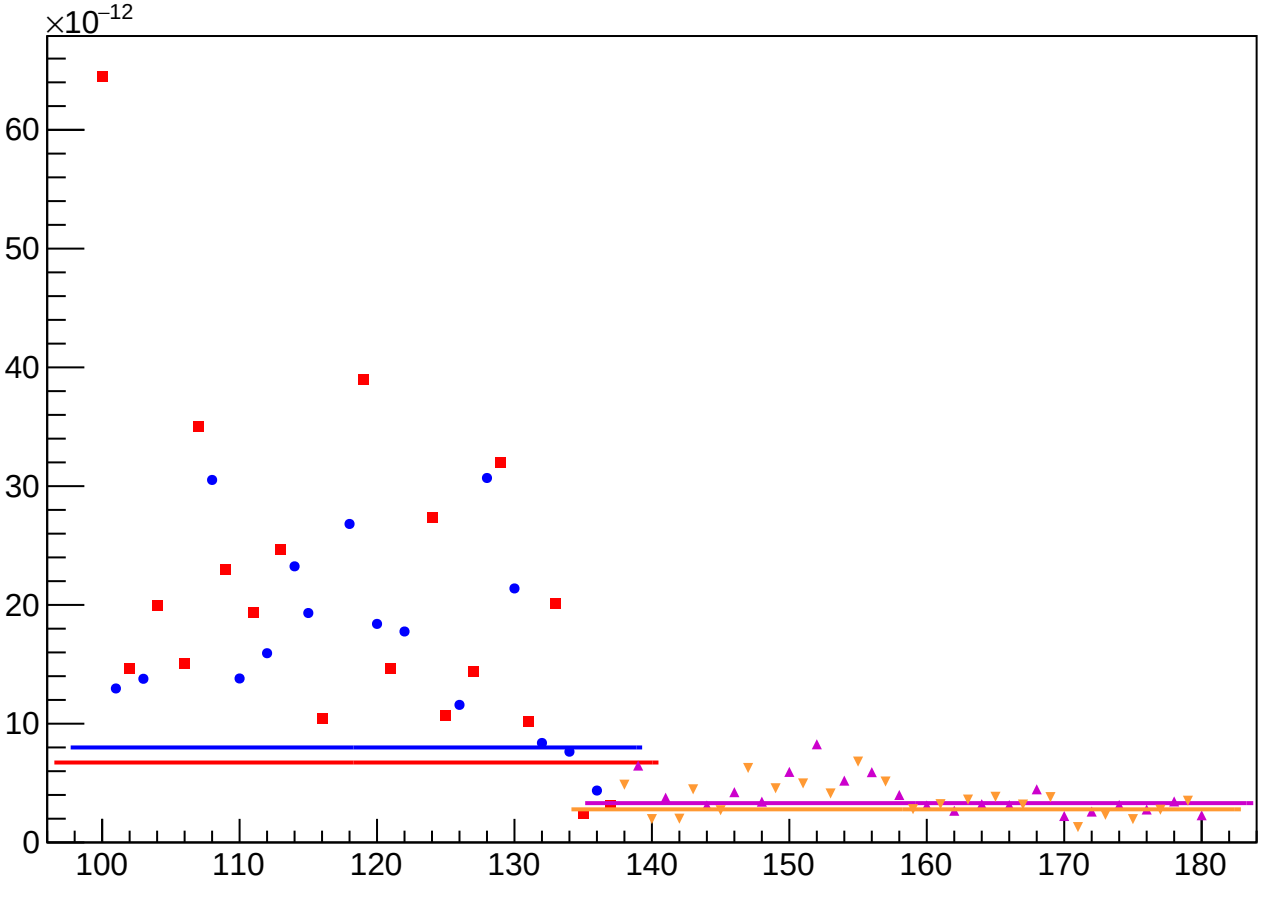
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:47.3/36

Out: 0.000+/-0.000 χ^2/NDF:35.8/40

All: 0.000+/-0.000 χ^2/NDF: 87.7/77

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:1838382.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1230486.0/20

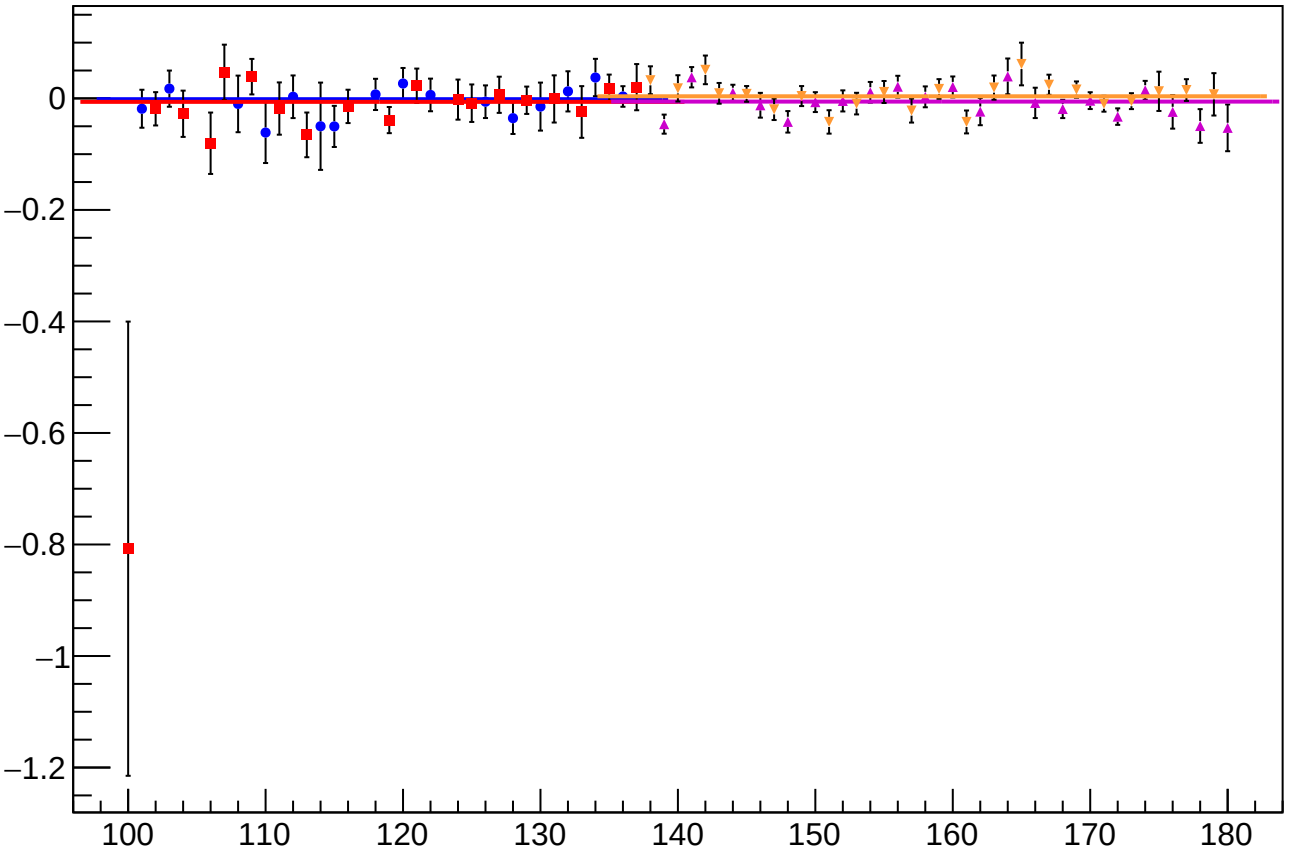
Left: 0.000+/-0.000 χ^2/NDF: 3228583.9/42

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4461415.5/36

Out: 0.000+/-0.000 χ^2/NDF:6178000.6/40

All: 0.000+/-0.000 χ^2/NDF: 10866400.8/77



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.006+/-0.004 χ^2/NDF:32.7/20

Left: -0.001+/-0.003 χ^2/NDF: 60.9/42

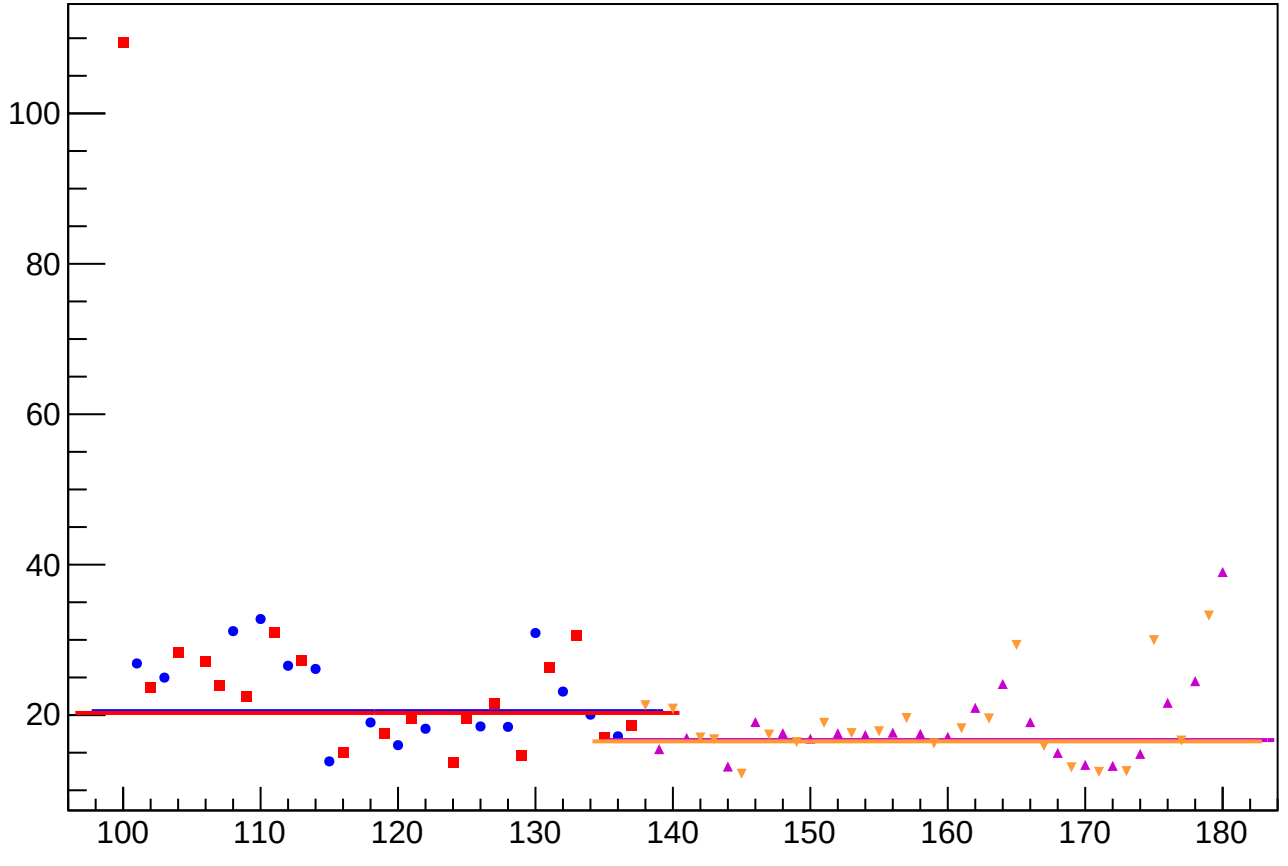
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.2/36

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.002+/-0.003 χ^2/NDF: 85.8/77

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: 16.502+/-0.003 χ^2/NDF:1806154.8/21

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

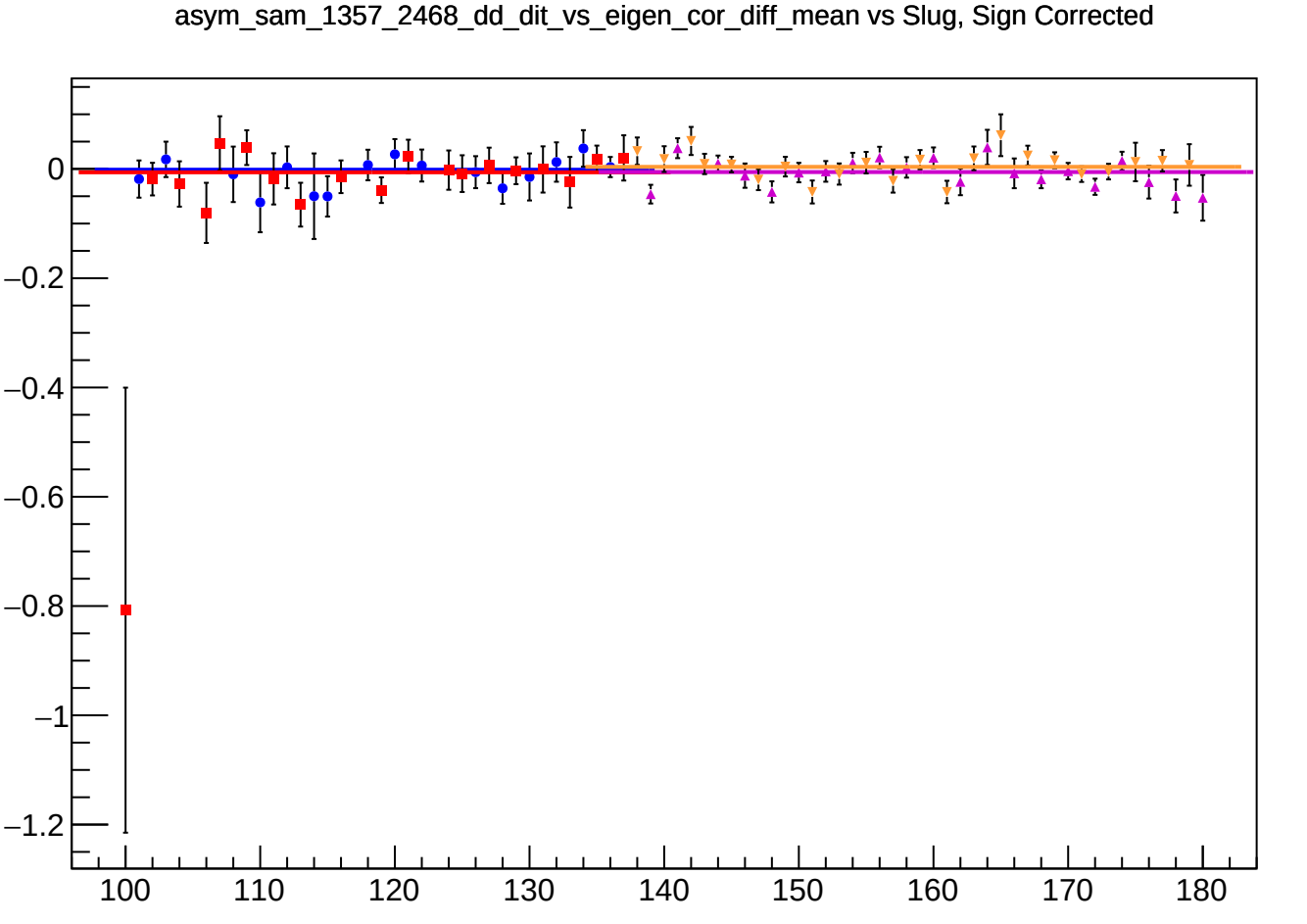
Left: 16.588+/-0.002 χ^2/NDF: 3172514.7/42

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.505+/-0.003 χ^2/NDF:2427746.9/36

Out: 17.318+/-0.003 χ^2/NDF:3030879.7/40

All: 17.409+/-0.002 χ^2/NDF: 5461161.9/77



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.006+/-0.004 χ^2/NDF:32.7/20

Left: -0.001+/-0.003 χ^2/NDF: 60.9/42

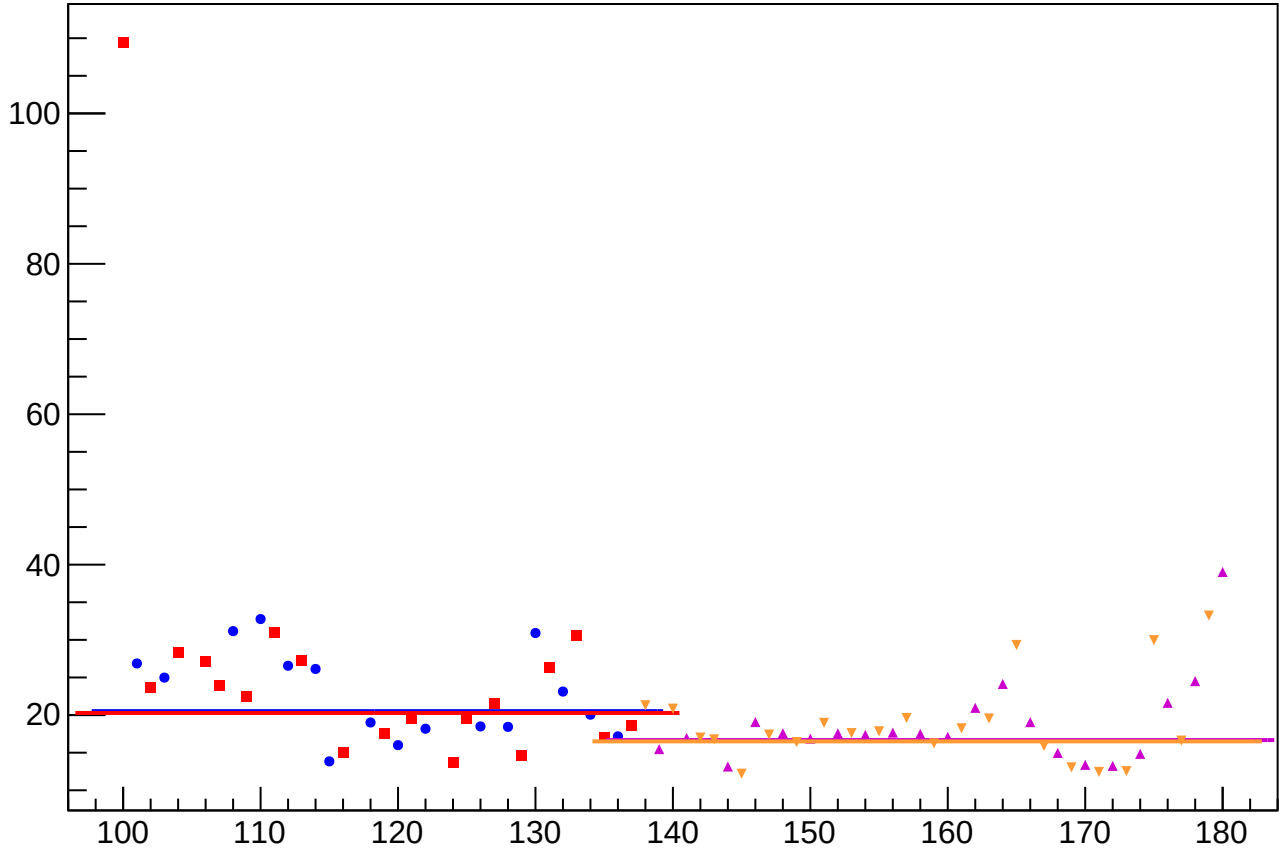
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.2/36

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.002+/-0.003 χ^2/NDF: 85.8/77

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: 16.502+/-0.003 χ^2/NDF:1806154.8/21

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.677+/-0.003 χ^2/NDF:1364623.5/20

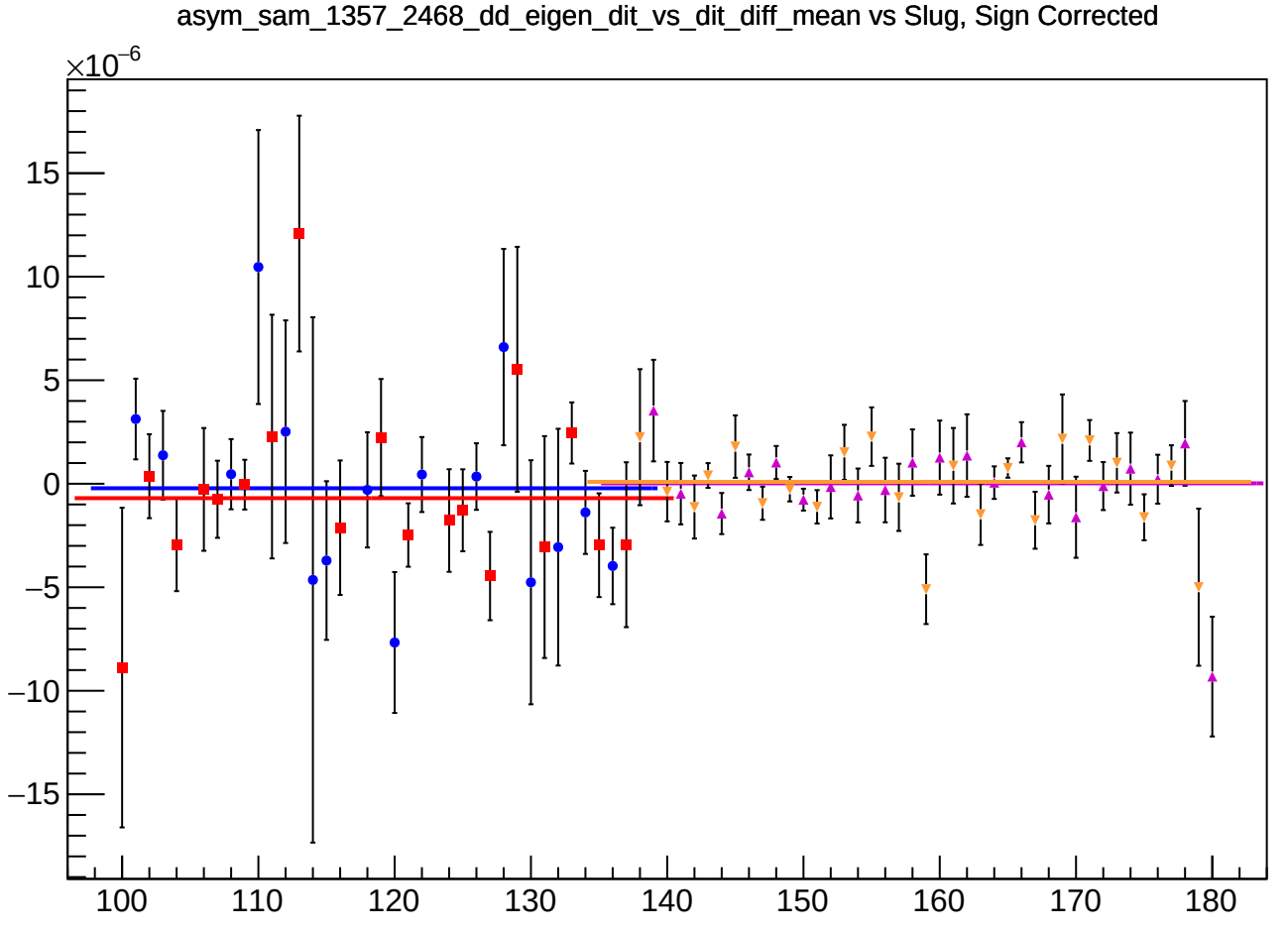
Left: 16.588+/-0.002 χ^2/NDF: 3172514.7/42

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.505+/-0.003 χ^2/NDF:2427746.9/36

Out: 17.318+/-0.003 χ^2/NDF:3030879.7/40

All: 17.409+/-0.002 χ^2/NDF: 5461161.9/77



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:26.7/20

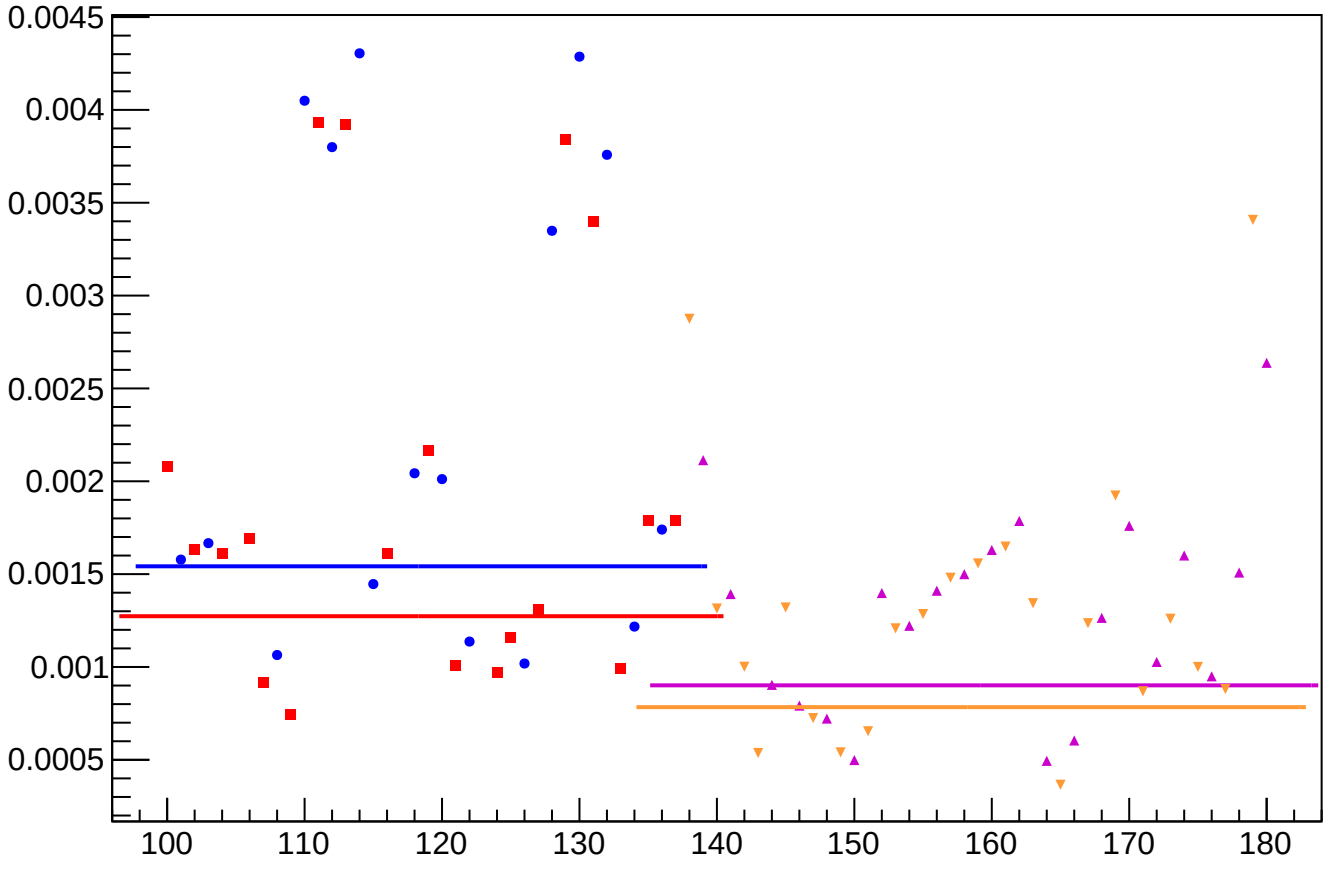
Left: 0.000+/-0.000 χ^2/NDF: 62.4/42

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:46.7/36

Out: -0.000+/-0.000 χ^2/NDF:58.6/40

All: -0.000+/-0.000 χ^2/NDF: 105.3/77



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7768382.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6049654.2/20

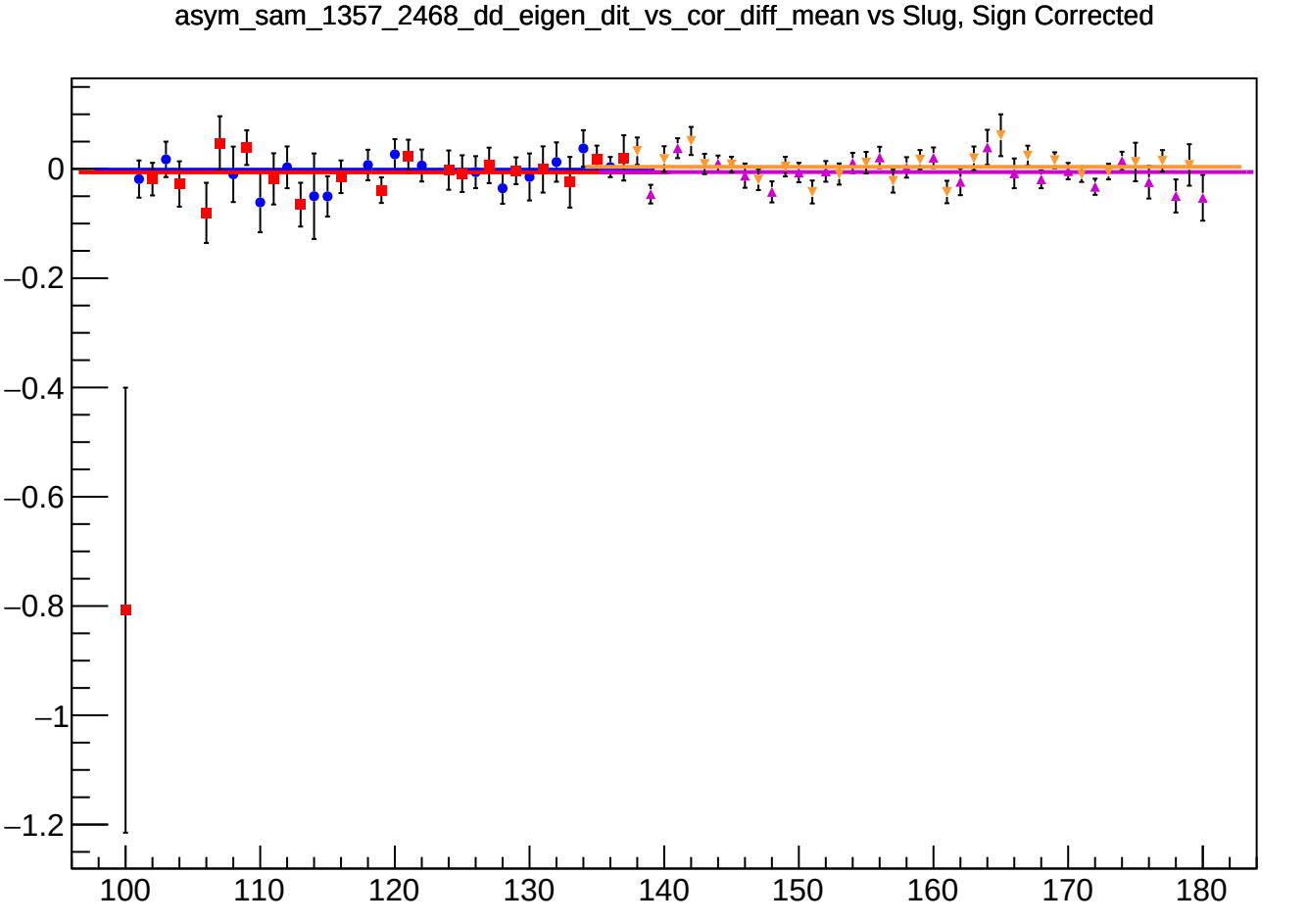
Left: 0.001+/-0.000 χ^2/NDF: 14072516.3/42

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:10254056.0/36

Out: 0.001+/-0.000 χ^2/NDF:11929082.8/40

All: 0.001+/-0.000 χ^2/NDF: 22561439.1/77



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.006+/-0.004 χ^2/NDF:32.7/20

Left: -0.001+/-0.003 χ^2/NDF: 60.9/42

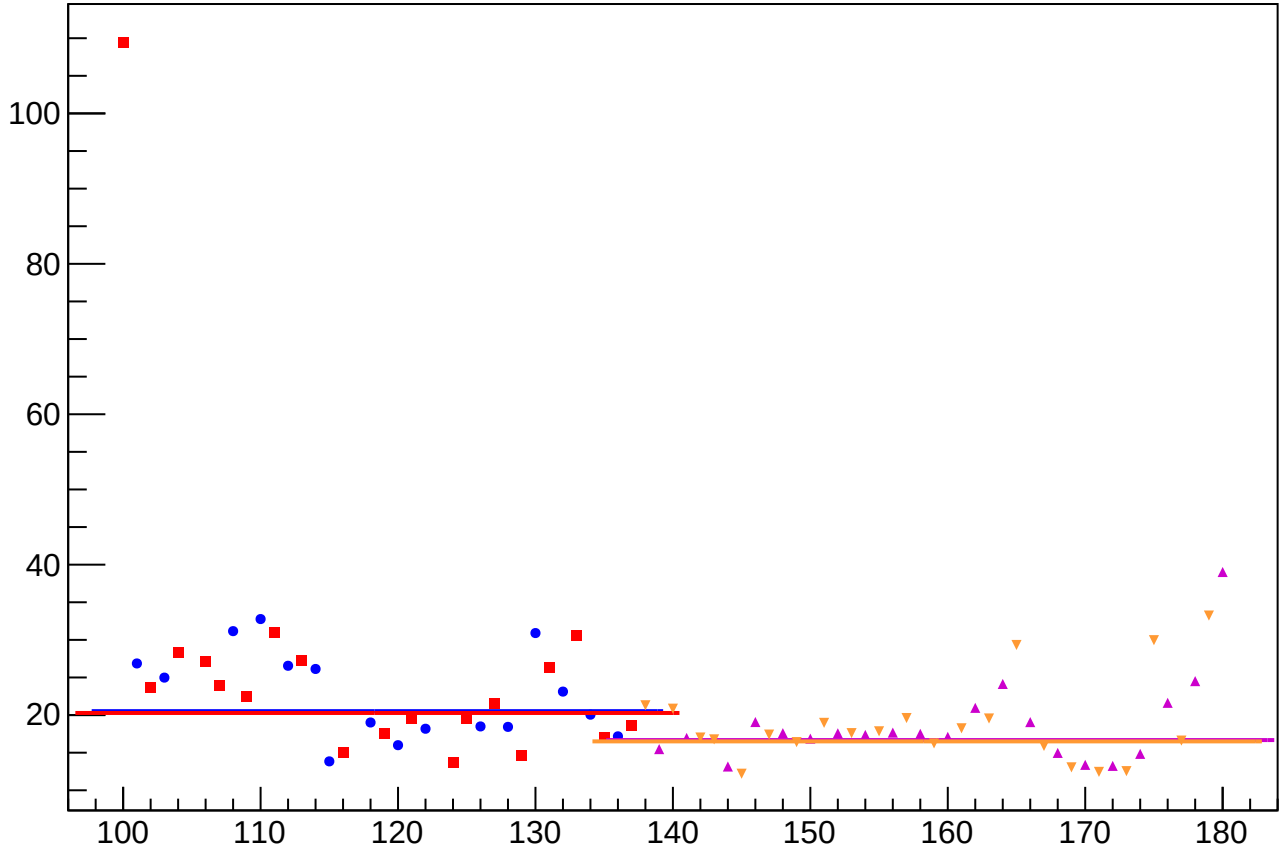
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.2/36

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.002+/-0.003 χ^2/NDF: 85.8/77

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: 16.503+/-0.003 χ^2/NDF:1806150.4/21

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.677+/-0.003 χ^2/NDF:1364612.1/20

Left: 16.588+/-0.002 χ^2/NDF: 3172497.6/42

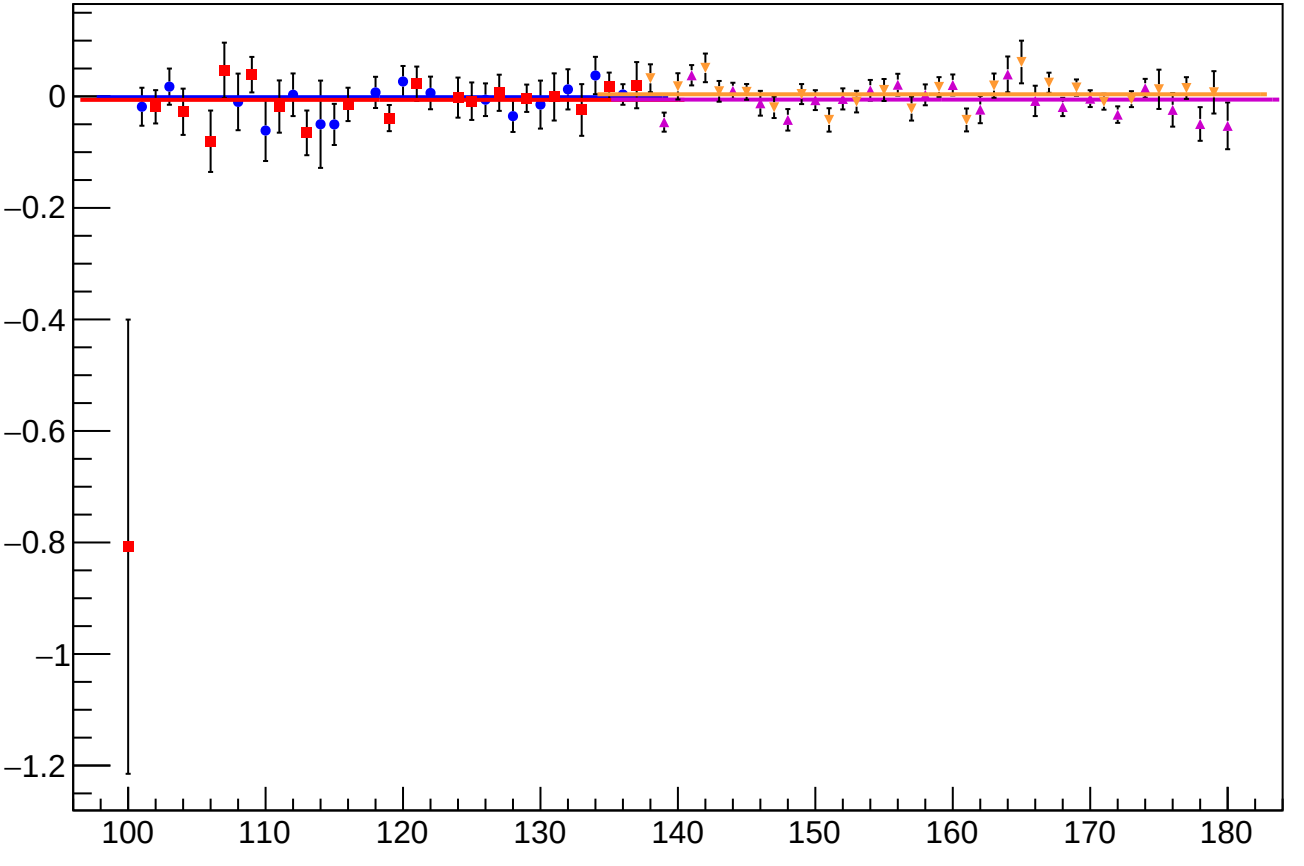
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.505+/-0.003 χ^2/NDF:2427500.2/36

Out: 17.318+/-0.003 χ^2/NDF:3030729.8/40

All: 17.409+/-0.002 χ^2/NDF: 5460764.6/77

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.006+/-0.004 χ^2/NDF:32.7/20

Left: -0.001+/-0.003 χ^2/NDF: 60.9/42

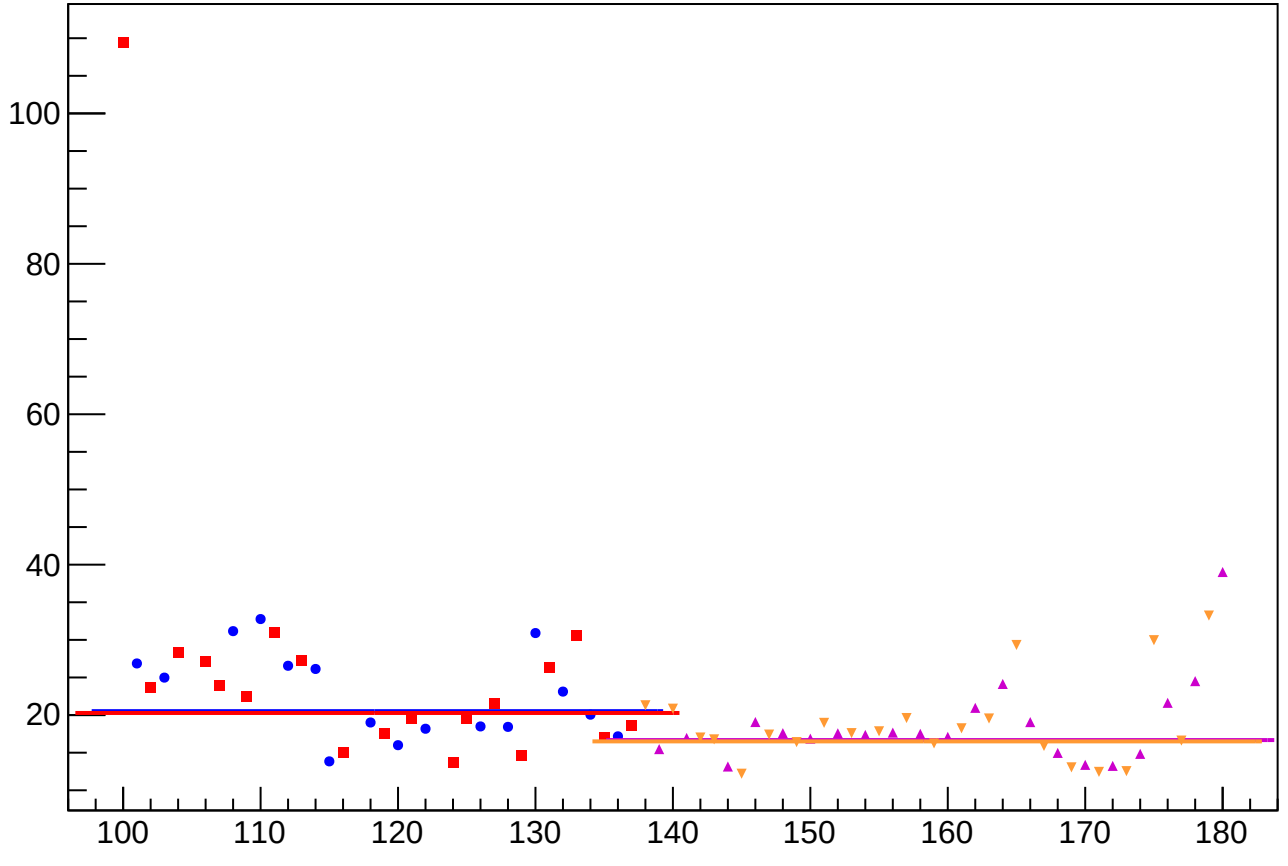
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.004 χ^2/NDF:41.2/36

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.002+/-0.003 χ^2/NDF: 85.8/77

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: 16.503+/-0.003 χ^2/NDF:1806150.4/21

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.677+/-0.003 χ^2/NDF:1364612.1/20

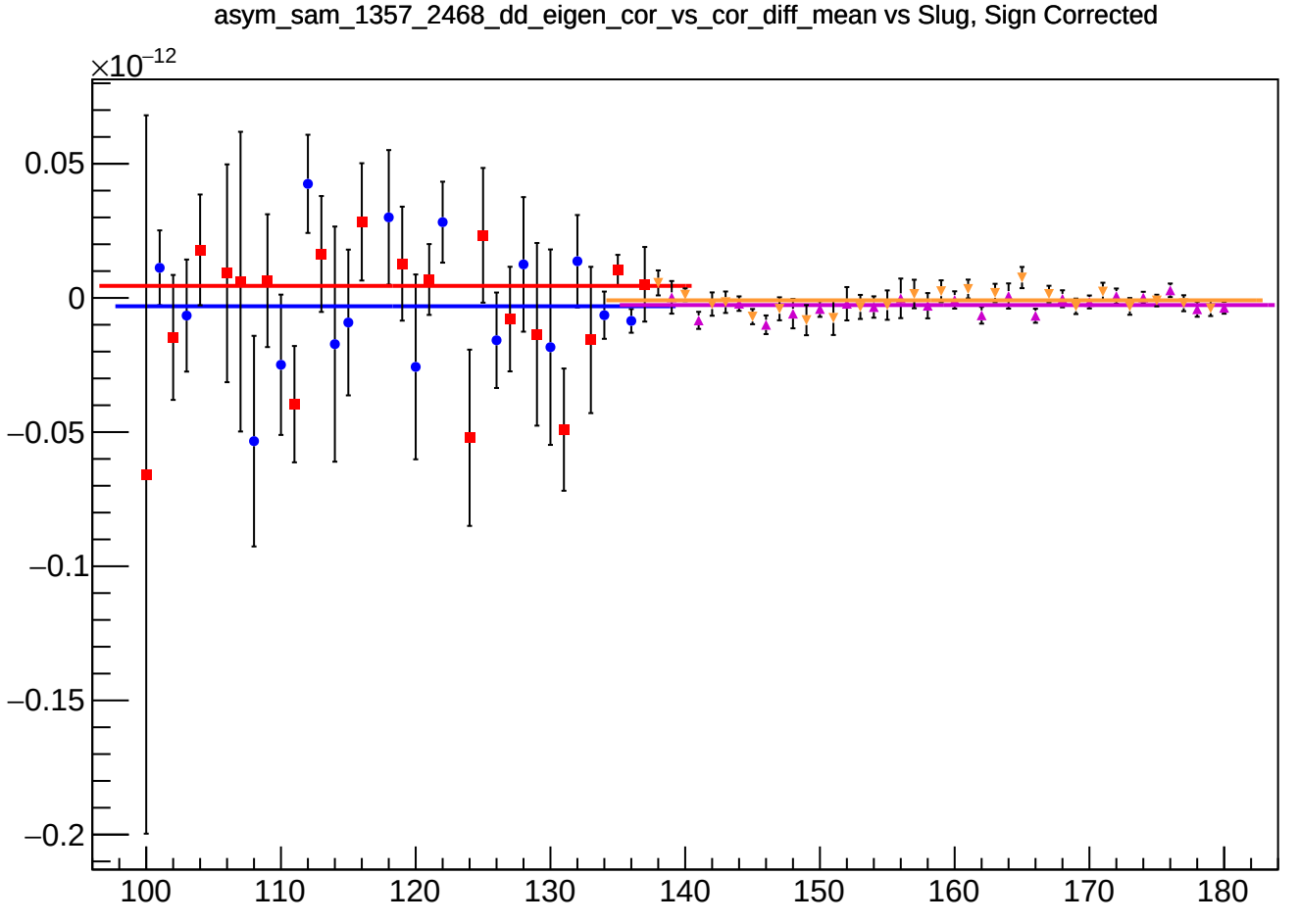
Left: 16.588+/-0.002 χ^2/NDF: 3172497.6/42

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.505+/-0.003 χ^2/NDF:2427500.2/36

Out: 17.318+/-0.003 χ^2/NDF:3030729.8/40

All: 17.409+/-0.002 χ^2/NDF: 5460764.6/77



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.5/20

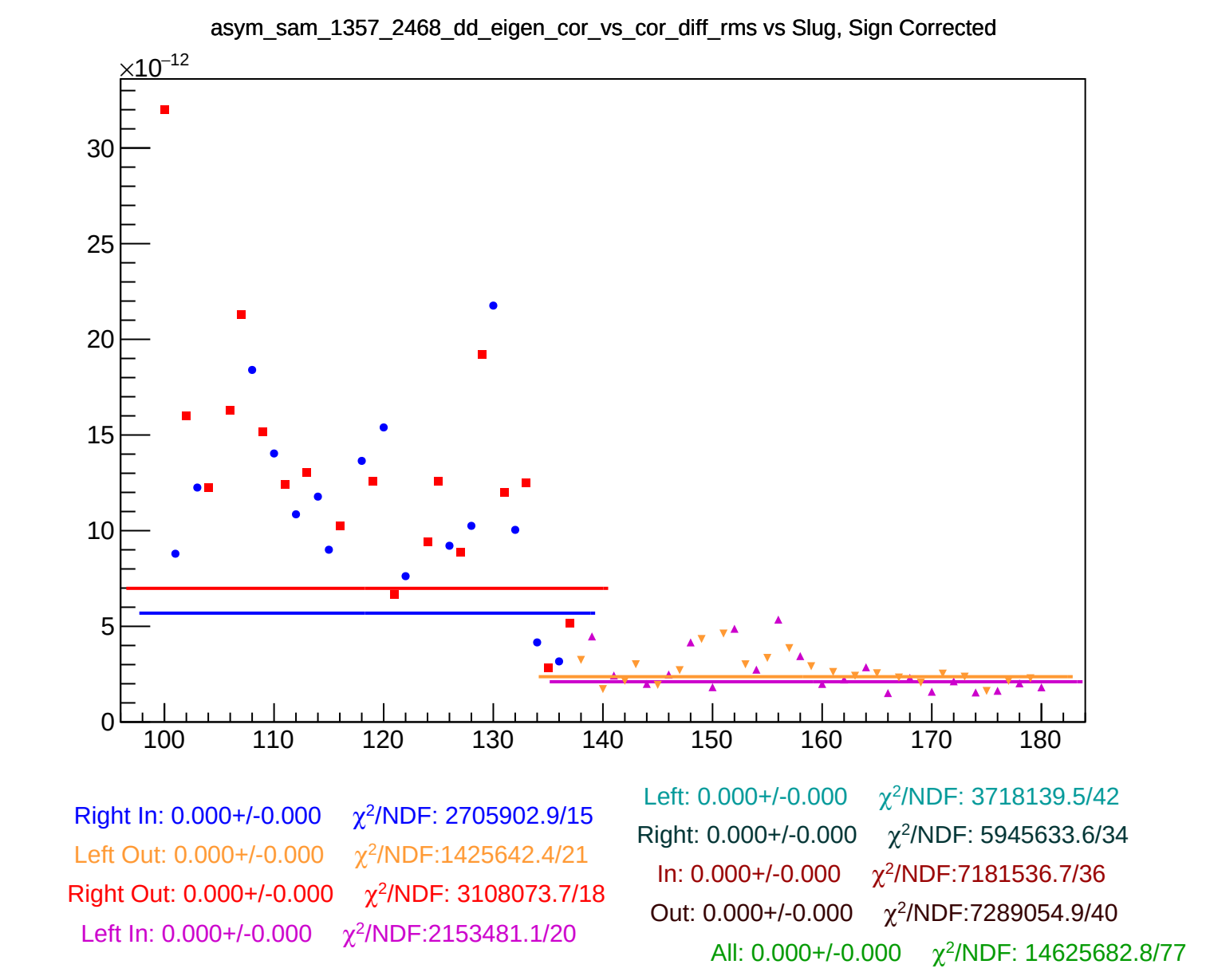
Left: -0.000+/-0.000 χ^2/NDF: 48.2/42

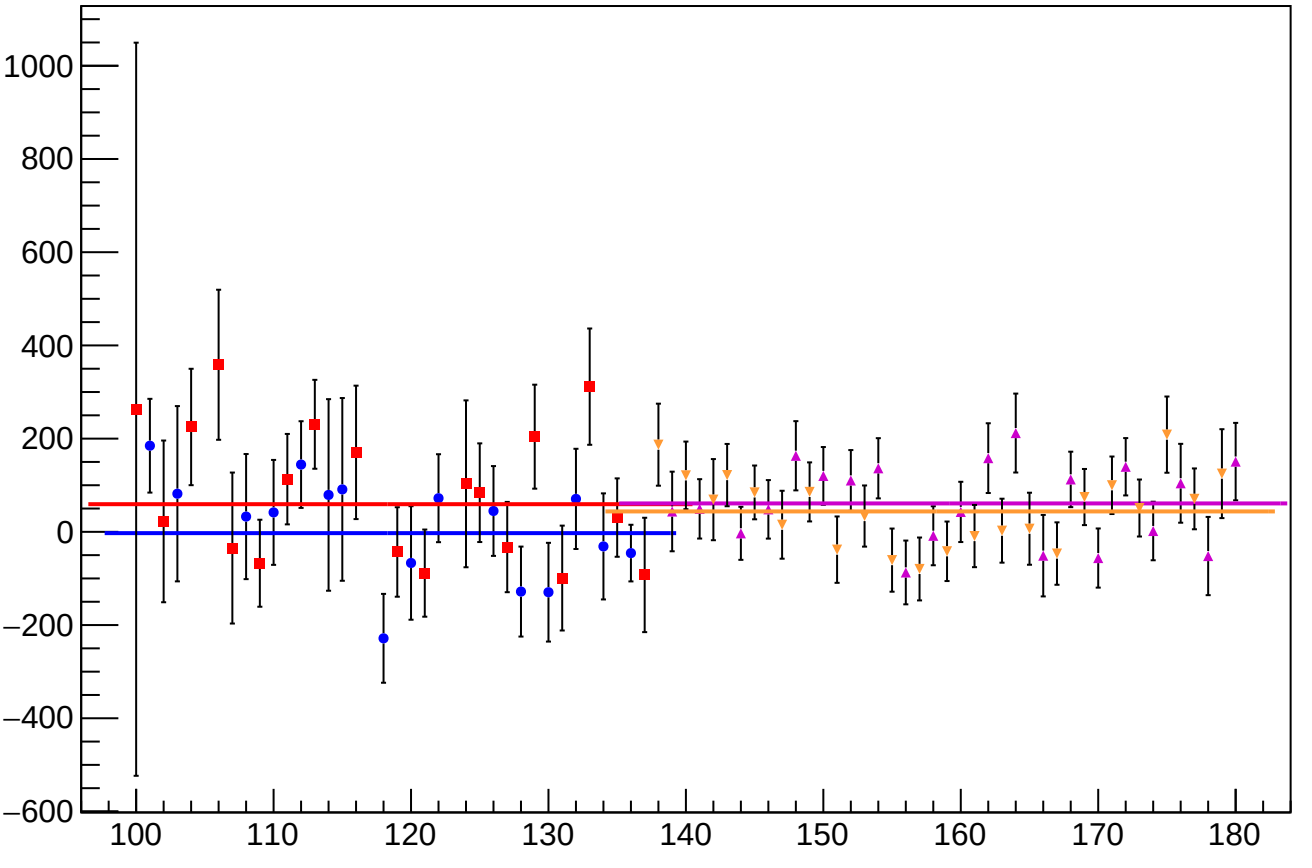
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:42.4/36

Out: -0.000+/-0.000 χ^2/NDF:43.1/40

All: -0.000+/-0.000 χ^2/NDF: 89.6/77


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1425642.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2153481.1/20
Left: 0.000+/-0.000 χ²/NDF: 3718139.5/42
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:7181536.7/36
Out: 0.000+/-0.000 χ²/NDF:7289054.9/40
All: 0.000+/-0.000 χ²/NDF: 14625682.8/77



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.815+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 60.983+/-14.926 χ^2/NDF:28.5/20

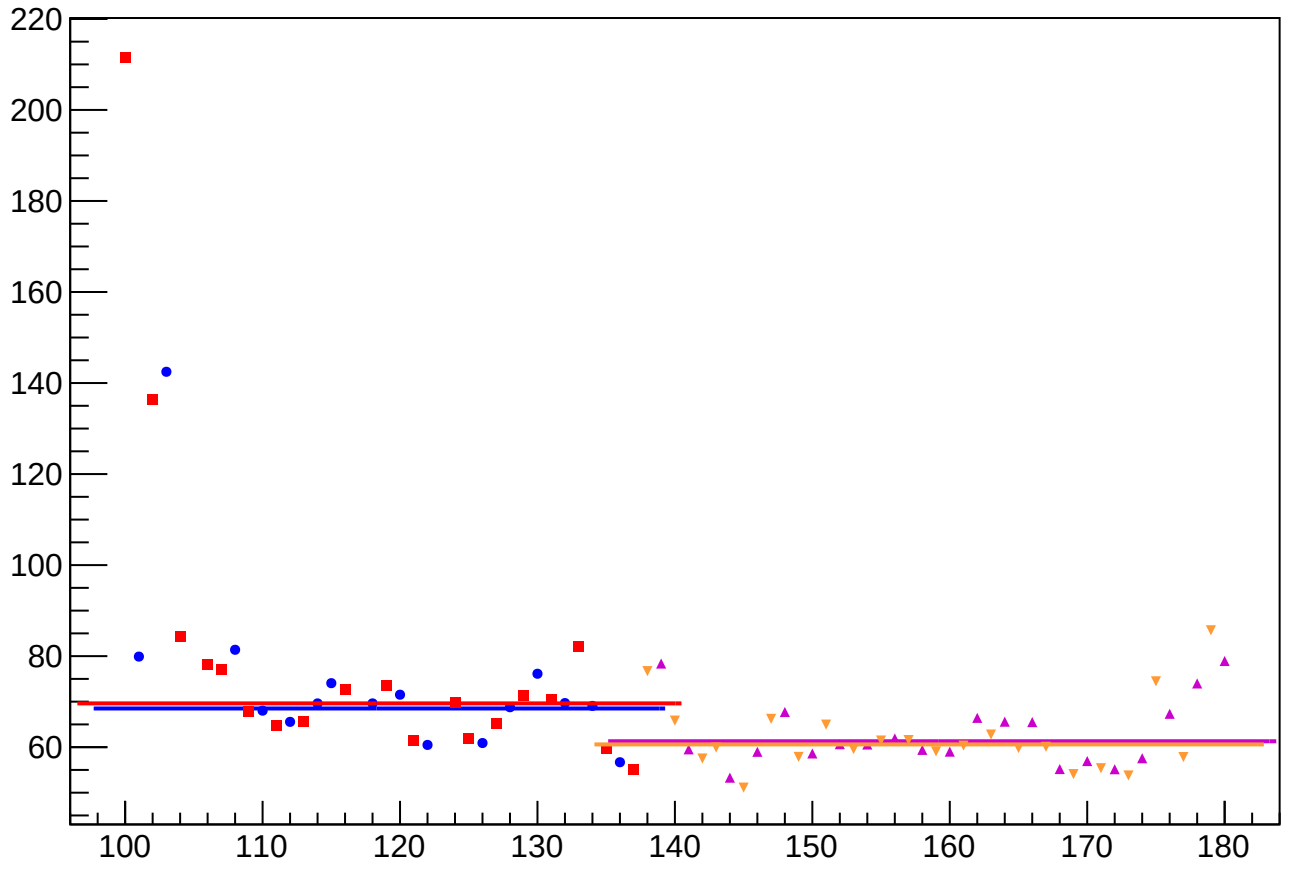
Left: 52.245+/-10.459 χ^2/NDF: 53.5/42

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.375+/-12.970 χ^2/NDF:50.7/36

Out: 47.480+/-12.815 χ^2/NDF:50.3/40

All: 46.440+/-9.116 χ^2/NDF: 101.0/77



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

Left: 60.947+/-0.007 χ^2/NDF: 796222.7/42

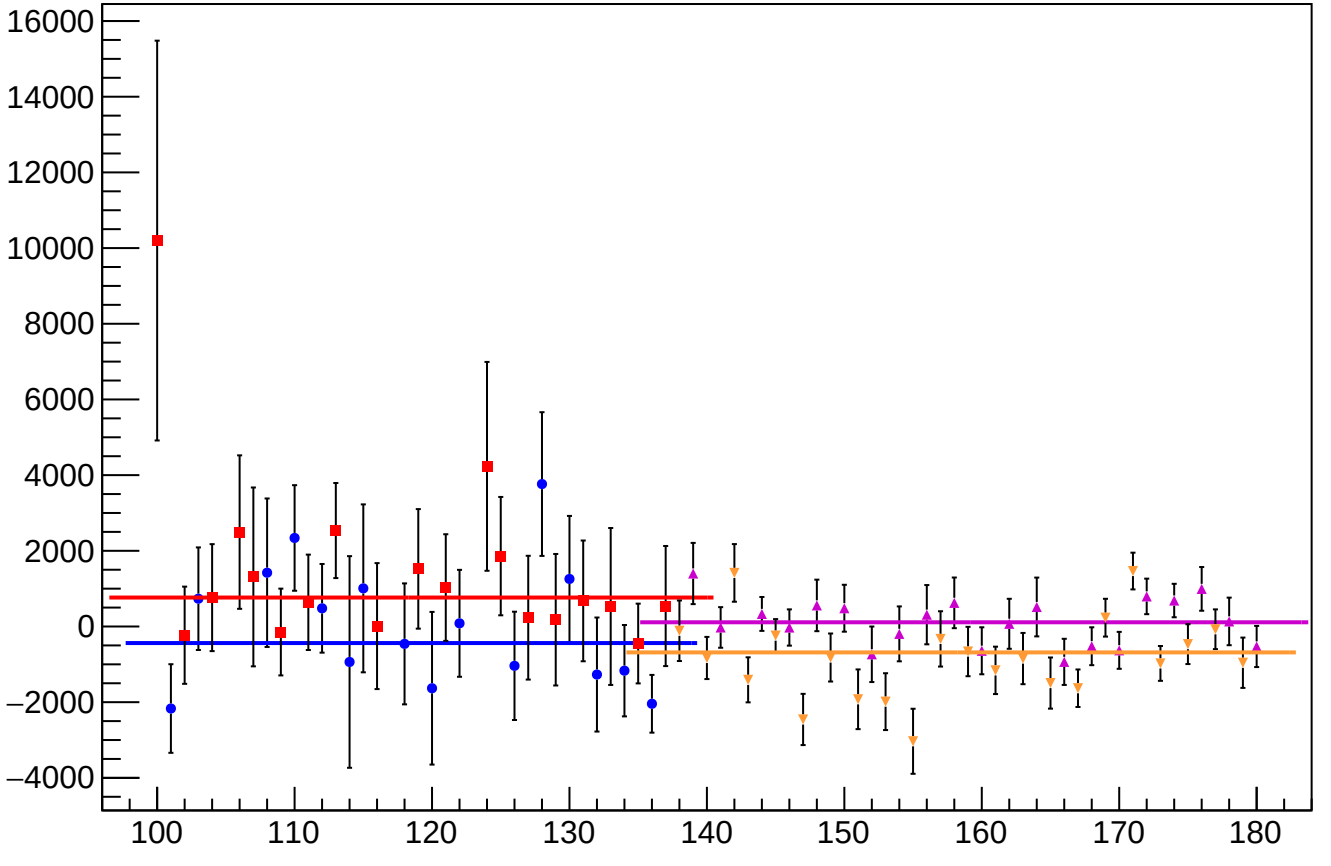
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.063+/-0.009 χ^2/NDF:955764.4/36

Out: 62.733+/-0.009 χ^2/NDF:1122760.4/40

All: 62.896+/-0.006 χ^2/NDF: 2079183.6/77

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: -684.701+/-127.332 χ^2/NDF:61.6/21

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 111.354+/-126.276 χ^2/NDF:22.0/20

Left: -283.359+/-89.662 χ^2/NDF: 103.3/42

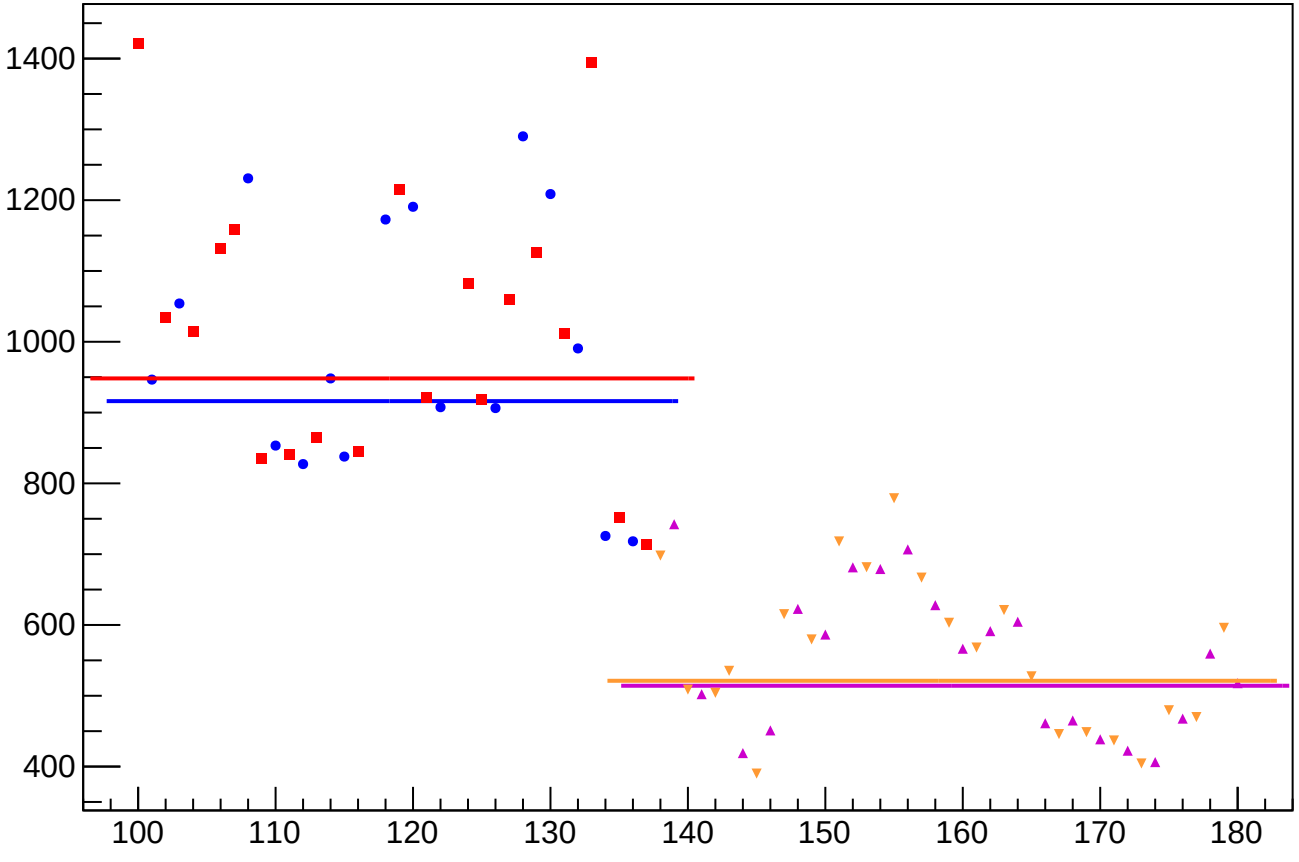
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 47.786+/-118.738 χ^2/NDF:44.7/36

Out: -517.795+/-119.780 χ^2/NDF:87.8/40

All: -232.534+/-84.326 χ^2/NDF: 143.8/77

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233086.9/21

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 514.147+/-0.089 χ^2/NDF:1118867.0/20

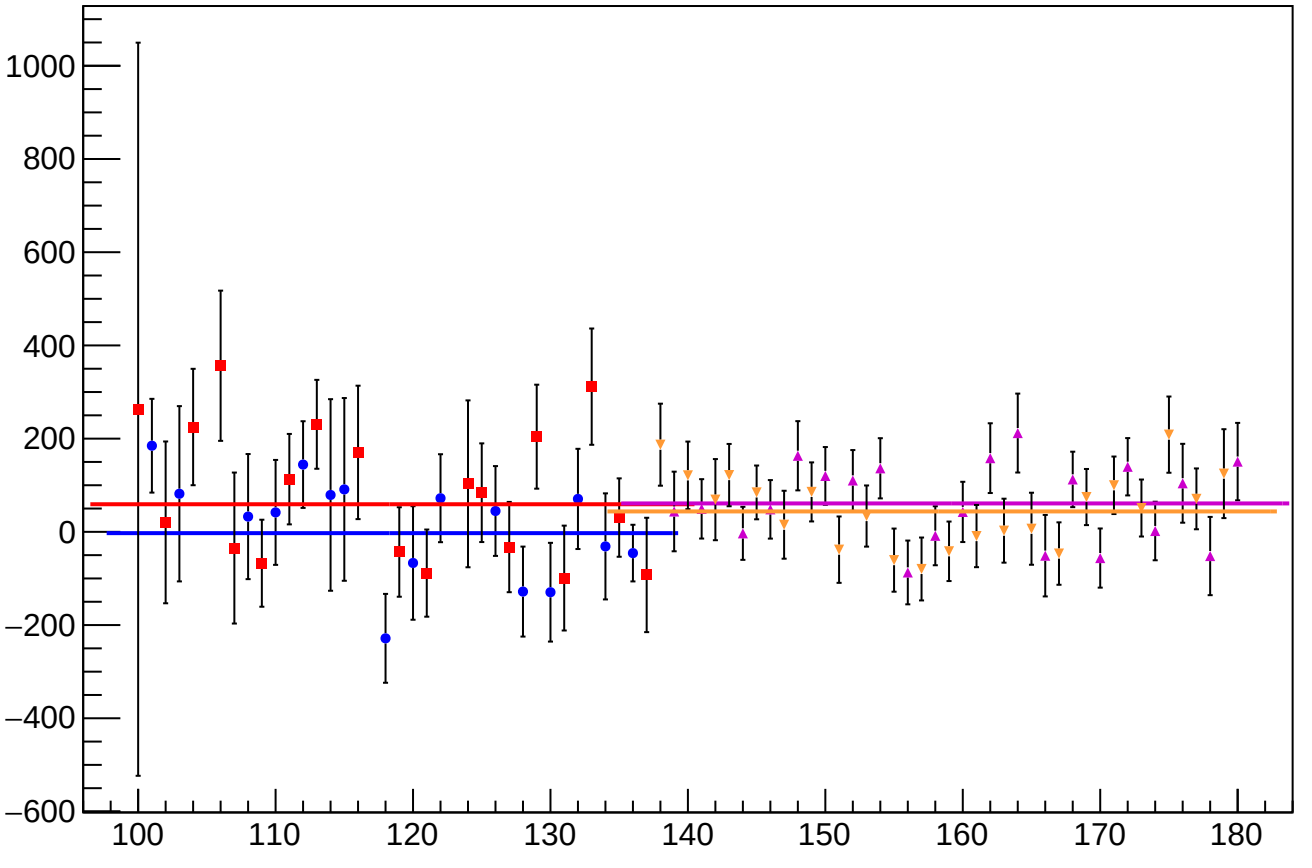
Left: 517.629+/-0.063 χ^2/NDF: 2355019.2/42

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 560.714+/-0.084 χ^2/NDF:3976088.4/36

Out: 570.325+/-0.085 χ^2/NDF:4237905.9/40

All: 565.478+/-0.060 χ^2/NDF: 8220488.5/77



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.983+/-14.926 χ^2/NDF:28.5/20

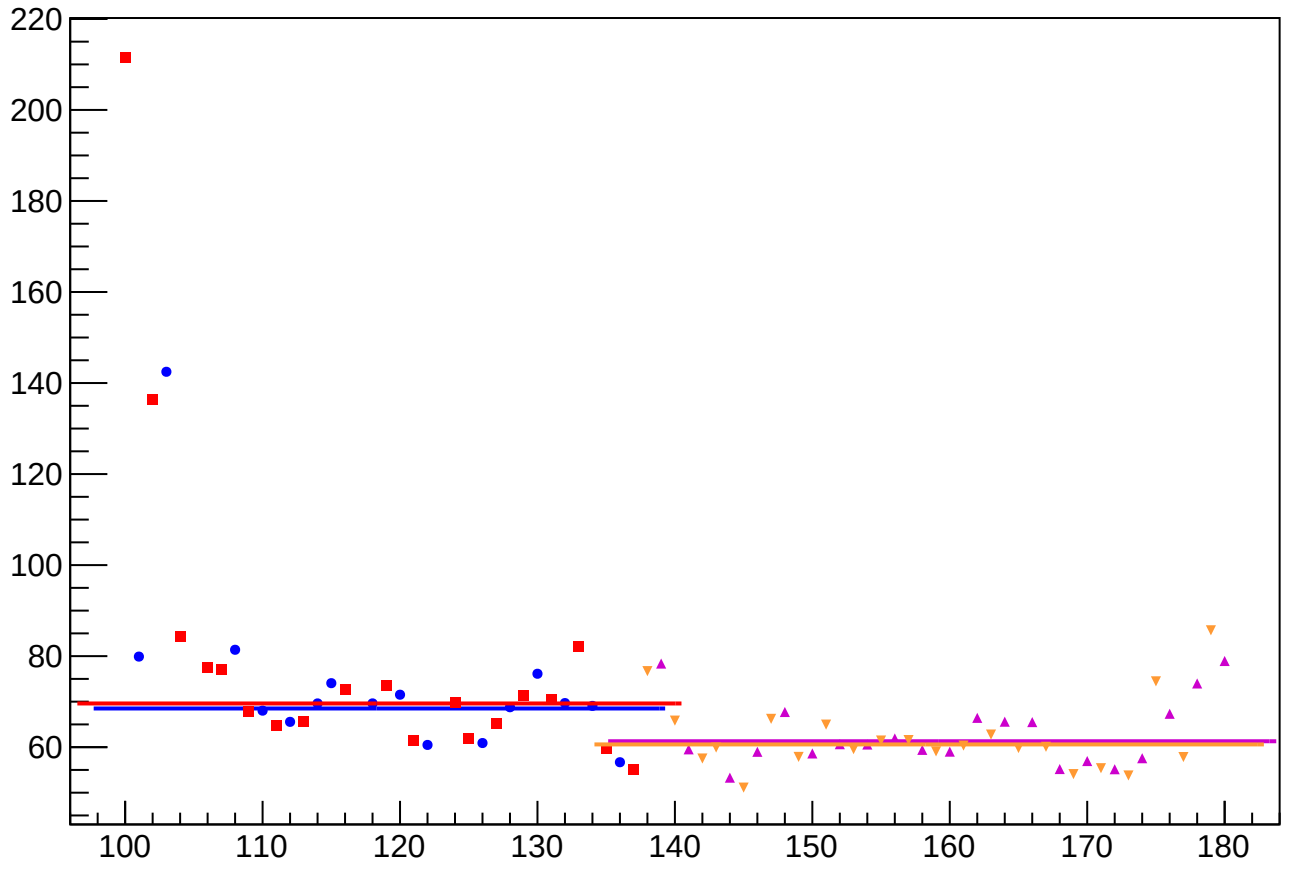
Left: 52.246+/-10.459 χ^2/NDF: 53.5/42

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.373+/-12.970 χ^2/NDF:50.7/36

Out: 47.453+/-12.815 χ^2/NDF:50.2/40

All: 46.425+/-9.116 χ^2/NDF: 100.9/77



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

Left: 60.947+/-0.007 χ^2/NDF: 796222.7/42

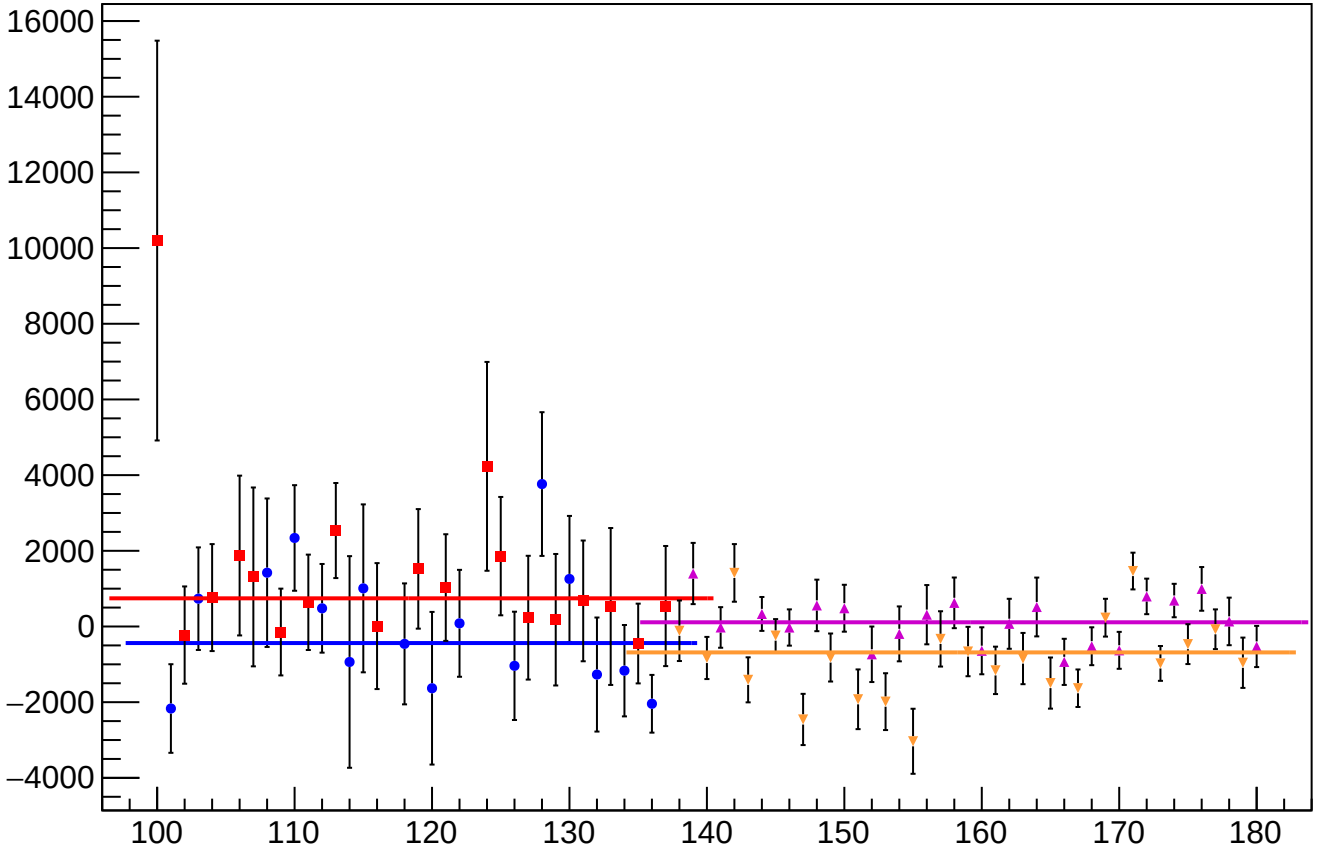
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.063+/-0.009 χ^2/NDF:955767.4/36

Out: 62.728+/-0.009 χ^2/NDF:1121373.2/40

All: 62.894+/-0.006 χ^2/NDF: 2077818.1/77

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: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 111.353+/-126.276 χ^2/NDF:22.0/20

Left: -283.357+/-89.662 χ^2/NDF: 103.3/42

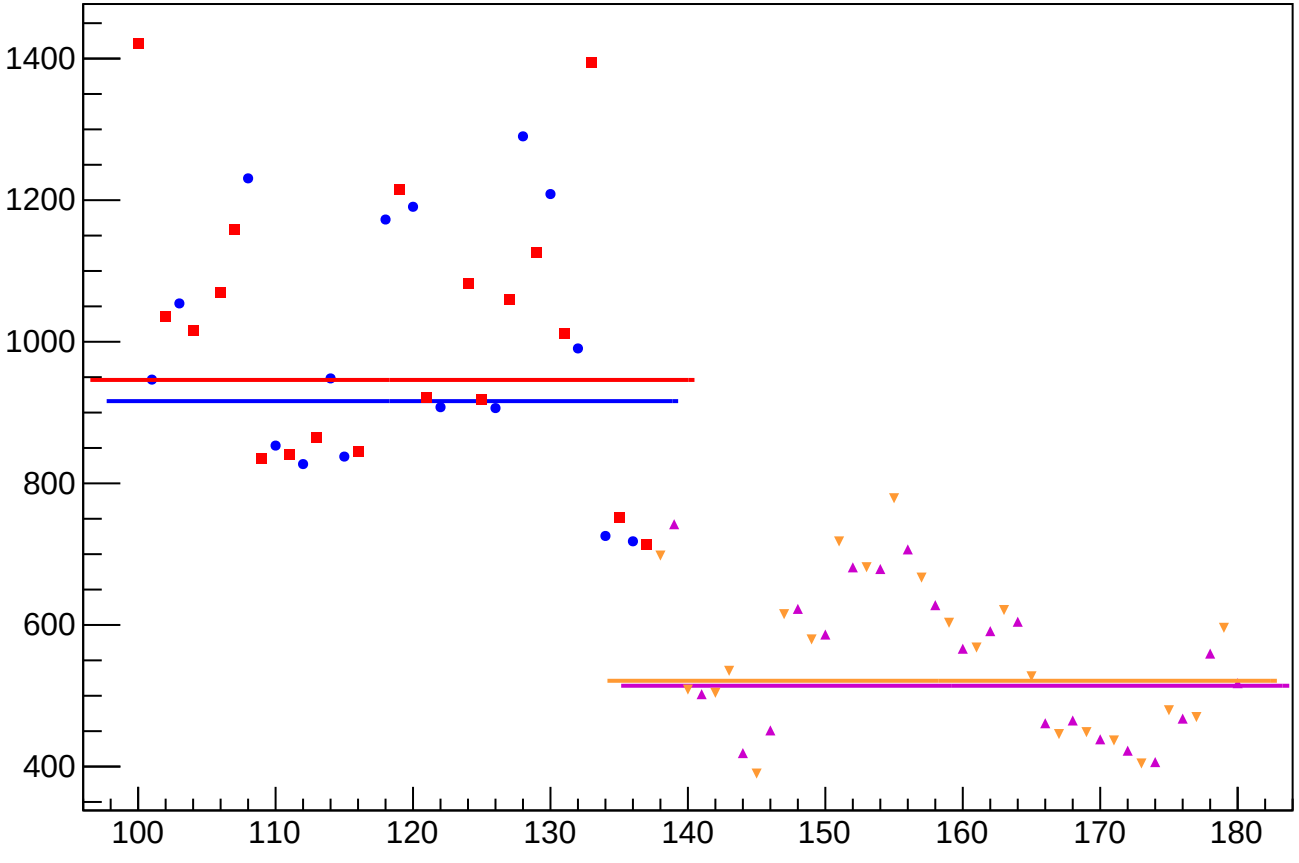
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.789+/-118.738 χ^2/NDF:44.7/36

Out: -520.561+/-119.797 χ^2/NDF:86.9/40

All: -233.863+/-84.332 χ^2/NDF: 143.0/77

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

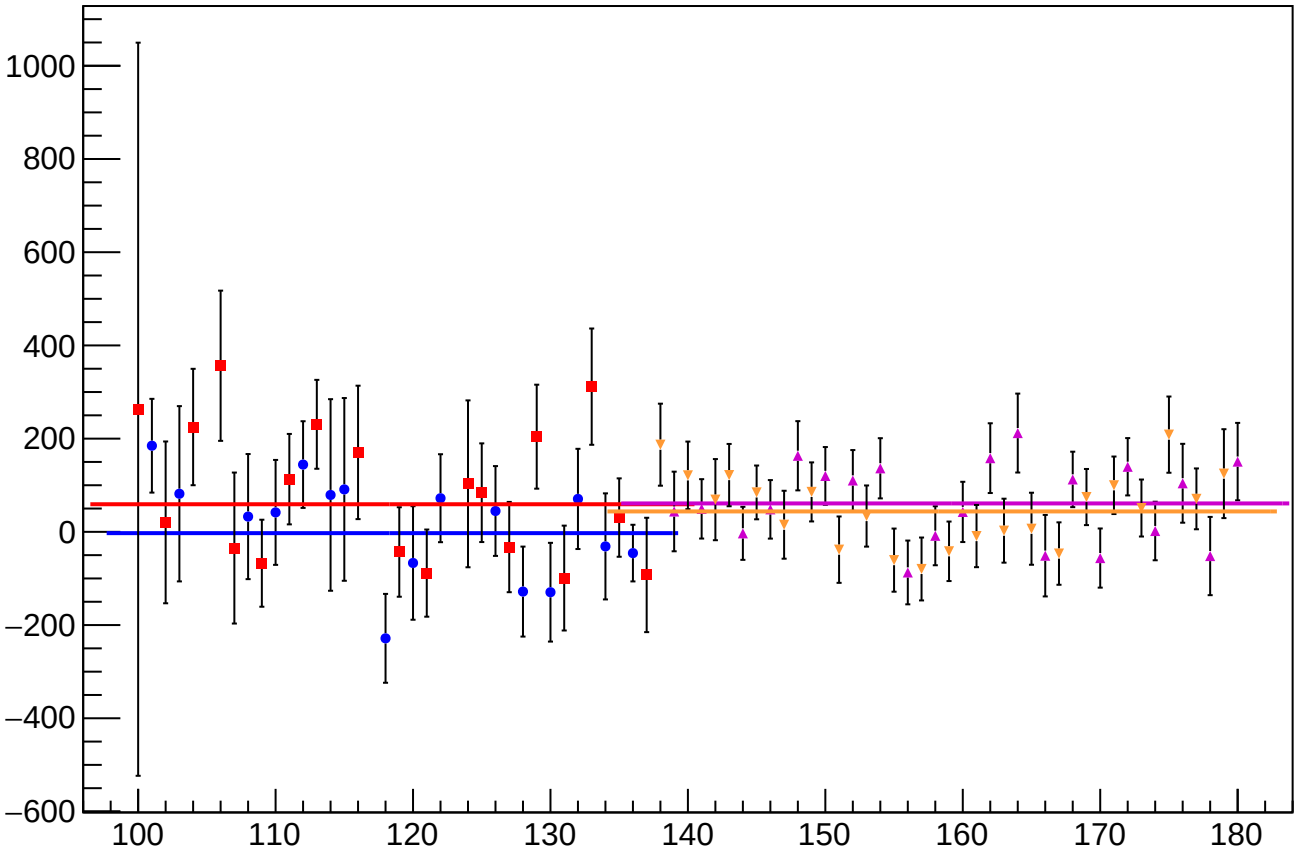
Left: 517.628+/-0.063 χ^2/NDF: 2355021.8/42

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 560.715+/-0.084 χ^2/NDF:3976130.8/36

Out: 569.972+/-0.085 χ^2/NDF:4196619.1/40

All: 565.302+/-0.060 χ^2/NDF: 8178773.9/77



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.983+/-14.926 χ^2/NDF:28.5/20

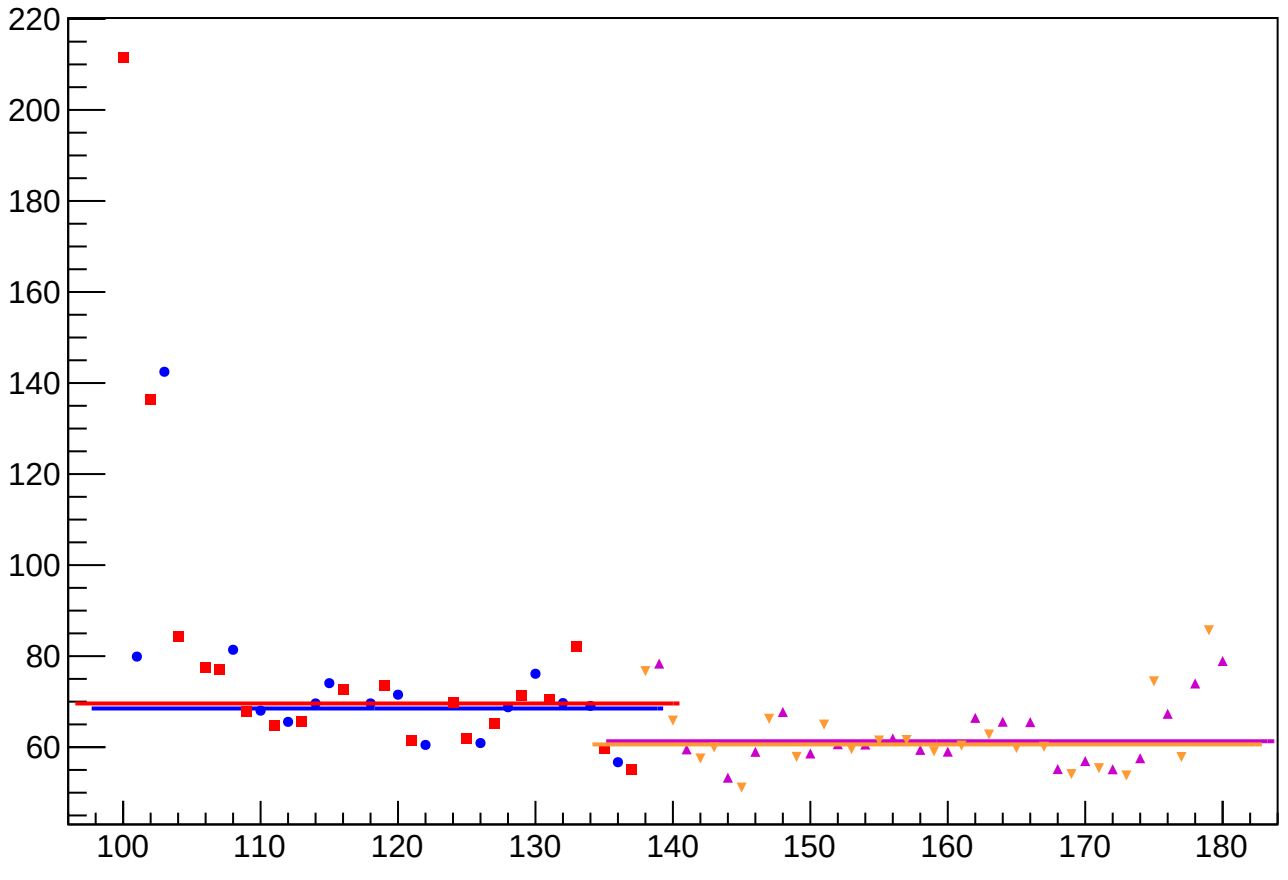
Left: 52.246+/-10.459 χ^2/NDF: 53.5/42

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.373+/-12.970 χ^2/NDF:50.7/36

Out: 47.453+/-12.815 χ^2/NDF:50.2/40

All: 46.425+/-9.116 χ^2/NDF: 100.9/77



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.301+/-0.011 χ^2/NDF:370038.0/20

Left: 60.947+/-0.007 χ^2/NDF: 796222.7/42

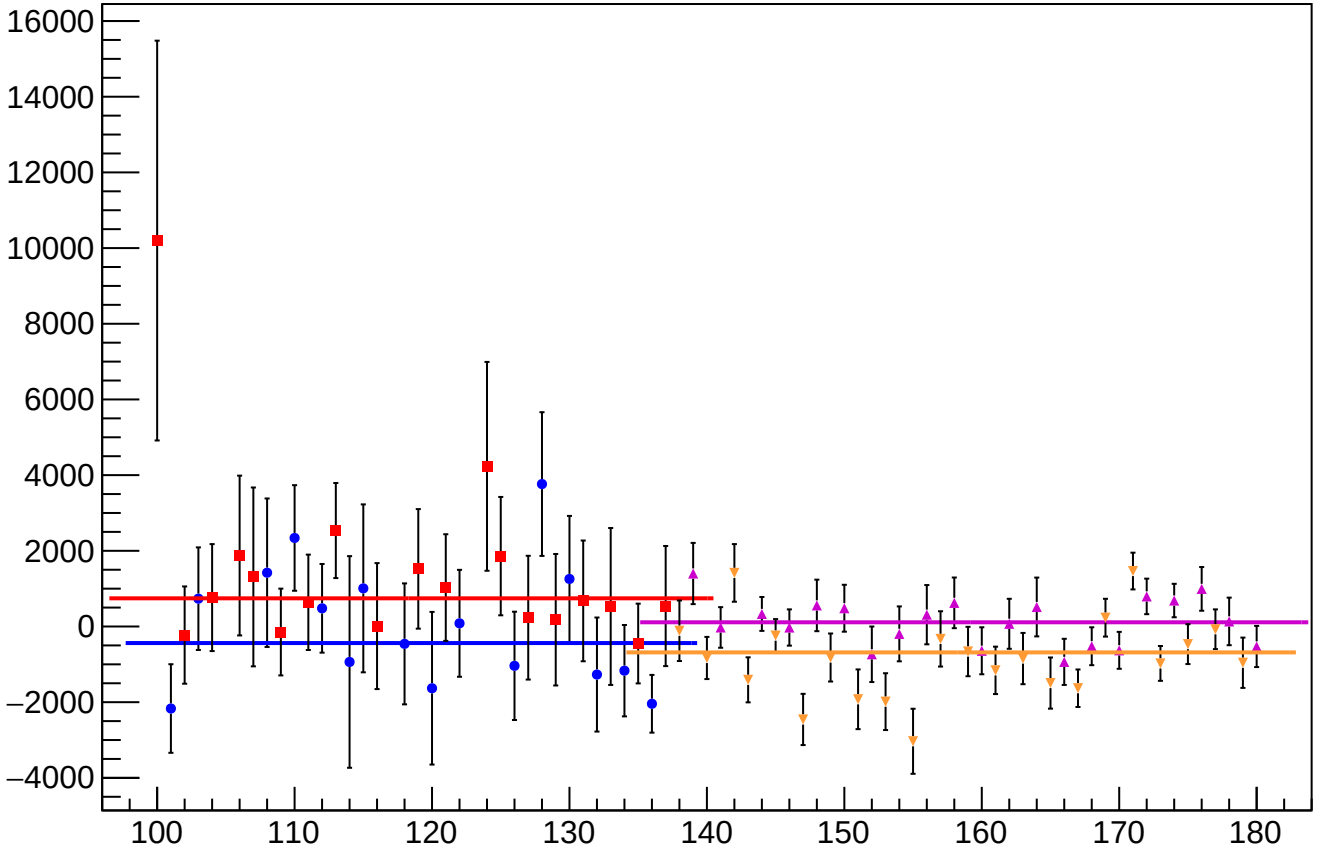
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.063+/-0.009 χ^2/NDF:955767.4/36

Out: 62.728+/-0.009 χ^2/NDF:1121373.2/40

All: 62.894+/-0.006 χ^2/NDF: 2077818.1/77

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: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 111.353+/-126.276 χ^2/NDF:22.0/20

Left: -283.357+/-89.662 χ^2/NDF: 103.3/42

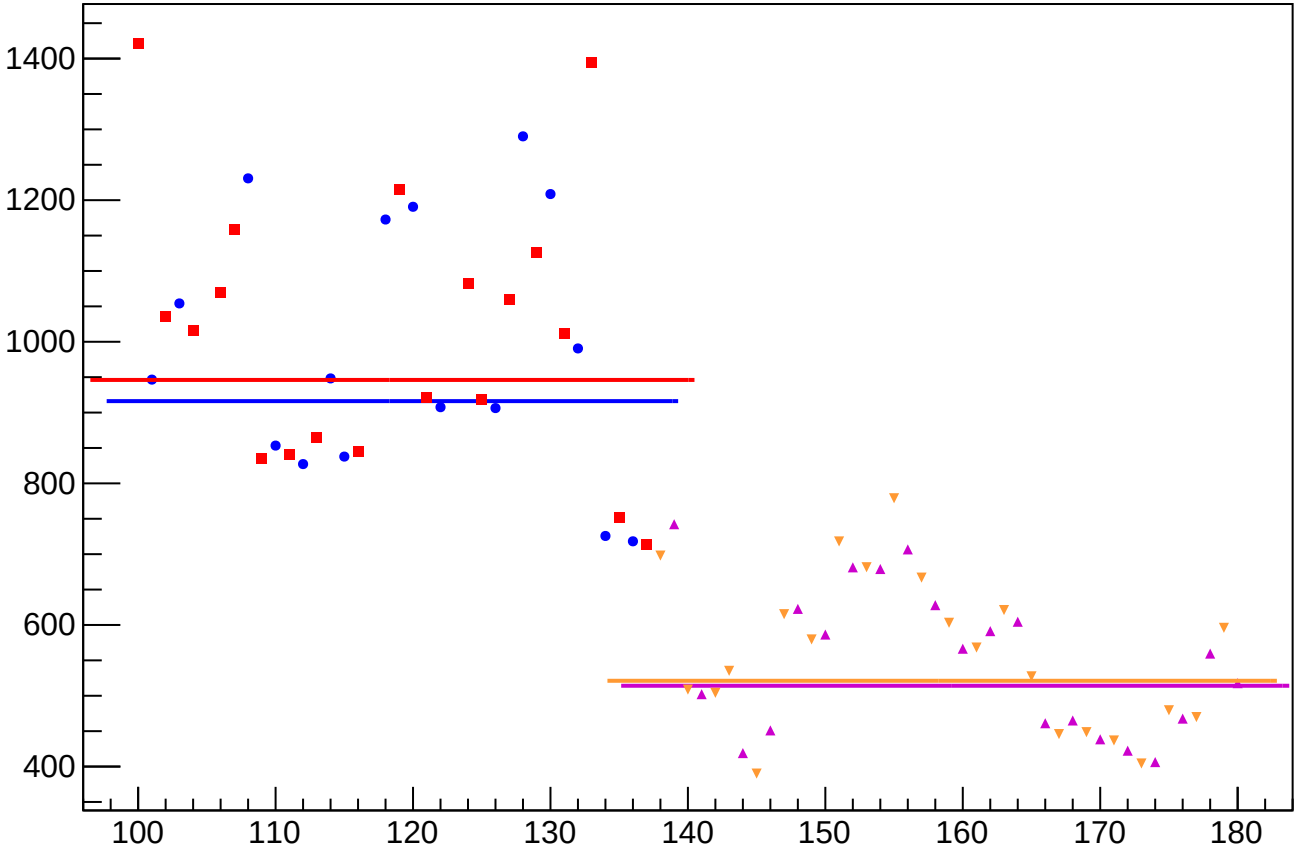
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.789+/-118.738 χ^2/NDF:44.7/36

Out: -520.561+/-119.797 χ^2/NDF:86.9/40

All: -233.863+/-84.332 χ^2/NDF: 143.0/77

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.148+/-0.089 χ^2/NDF:1118865.8/20

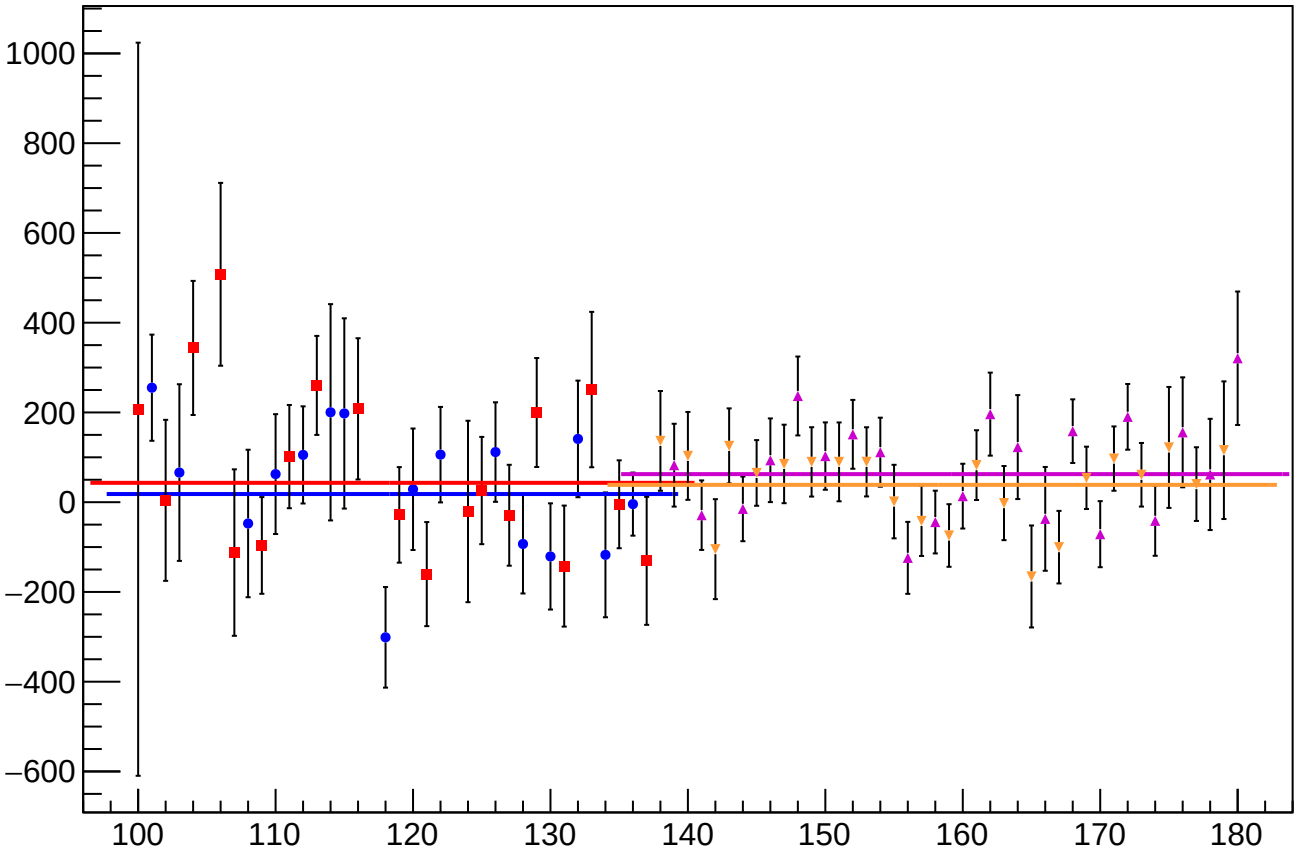
Left: 517.628+/-0.063 χ^2/NDF: 2355021.8/42

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 560.715+/-0.084 χ^2/NDF:3976130.8/36

Out: 569.972+/-0.085 χ^2/NDF:4196619.1/40

All: 565.302+/-0.060 χ^2/NDF: 8178773.9/77



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.548+/-18.356 χ^2/NDF:33.5/20

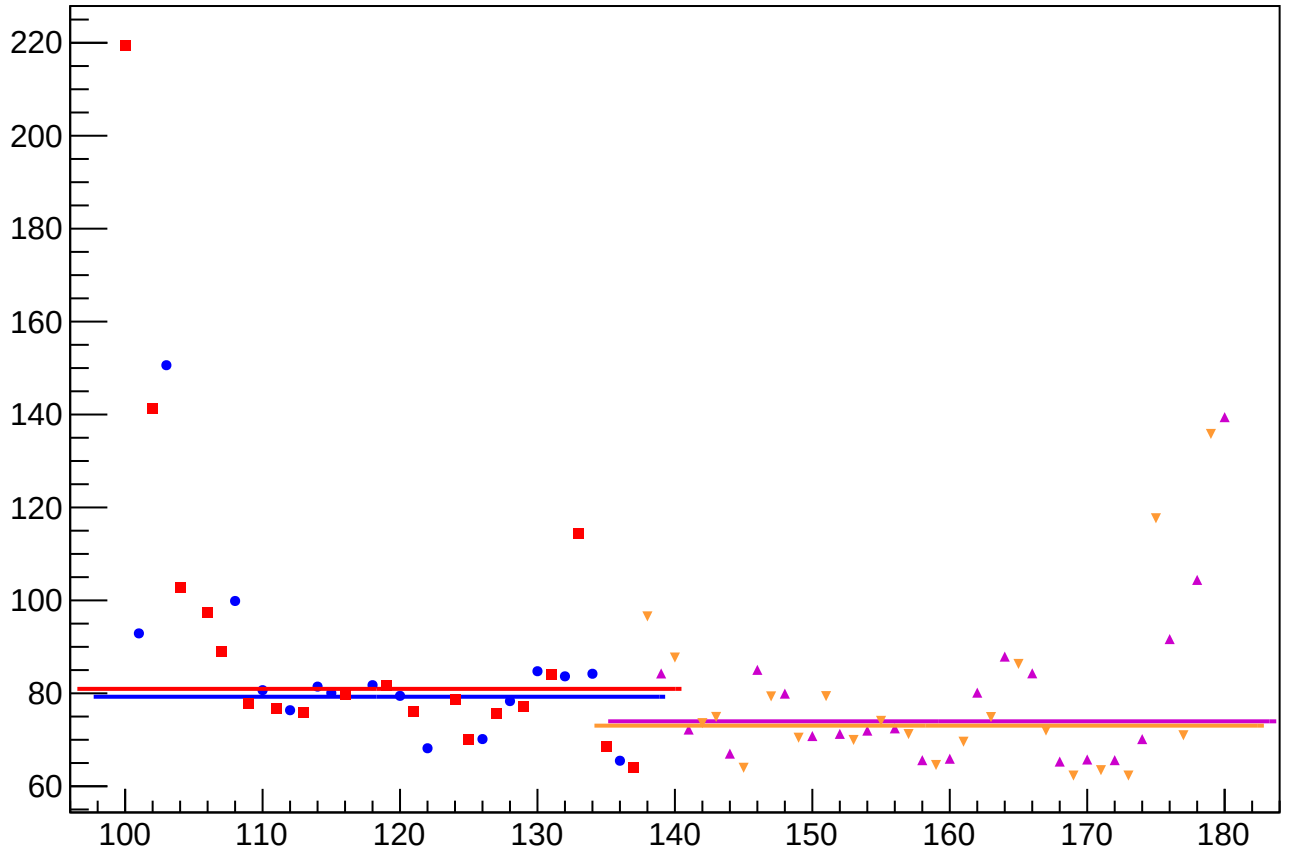
Left: 50.332+/-12.838 χ^2/NDF: 52.0/42

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 50.661+/-15.706 χ^2/NDF:55.2/36

Out: 39.786+/-15.503 χ^2/NDF:45.4/40

All: 45.153+/-11.034 χ^2/NDF: 100.9/77



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.043+/-0.013 χ^2/NDF:940859.3/21

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.974+/-0.013 χ^2/NDF:832917.1/20

Left: 73.499+/-0.009 χ^2/NDF: 1776406.6/42

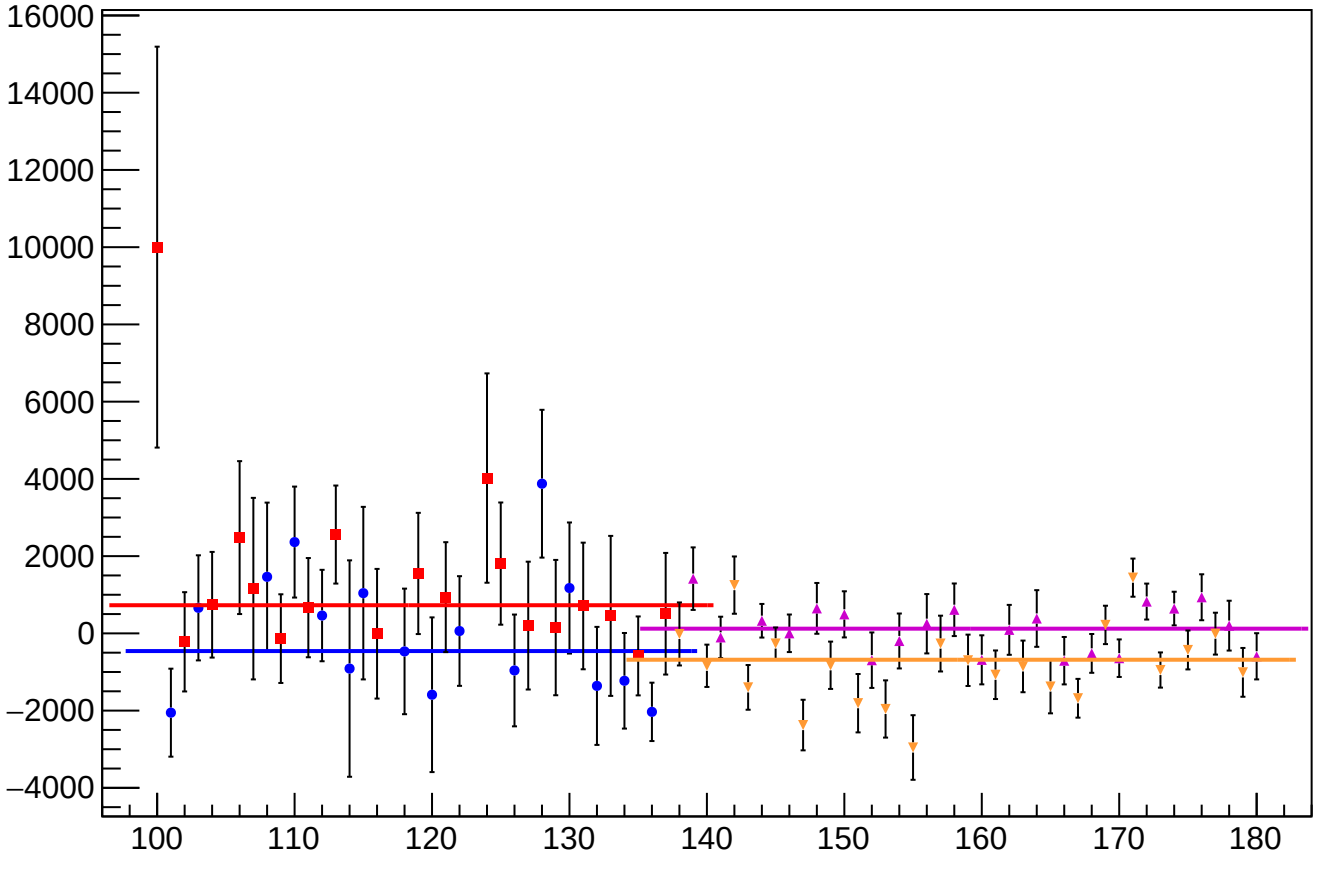
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.391+/-0.011 χ^2/NDF:1322340.3/36

Out: 75.061+/-0.011 χ^2/NDF:1554053.8/40

All: 75.224+/-0.008 χ^2/NDF: 2876842.4/77

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: -682.755+/-125.749 χ^2/NDF:59.3/21

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 121.650+/-126.103 χ^2/NDF:20.8/20

Left: -281.683+/-89.043 χ^2/NDF: 100.5/42

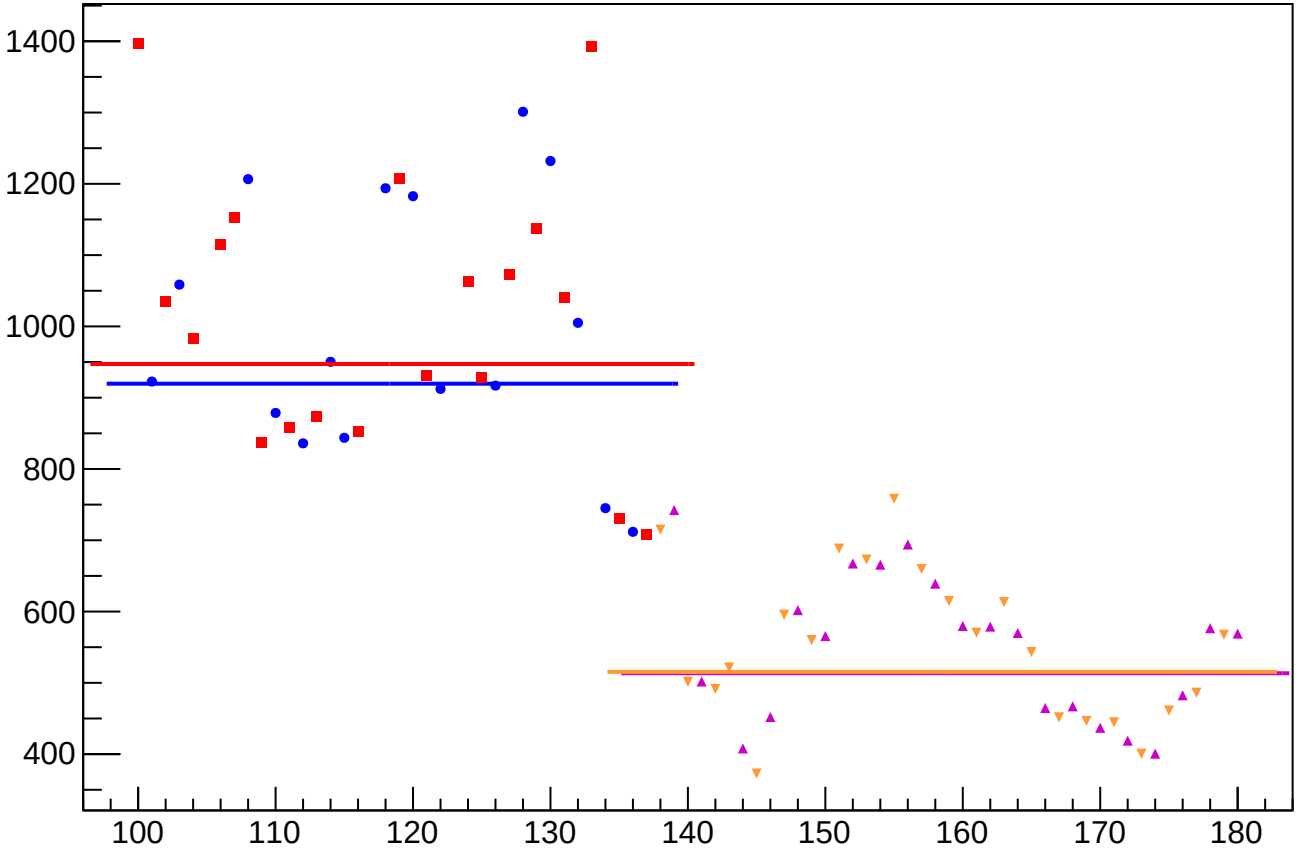
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 55.063+/-118.640 χ^2/NDF:43.5/36

Out: -523.466+/-118.441 χ^2/NDF:85.1/40

All: -234.688+/-83.821 χ^2/NDF: 140.5/77

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: 515.375+/-0.089 χ^2/NDF:1230550.7/21

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 513.460+/-0.089 χ^2/NDF:1115780.4/20

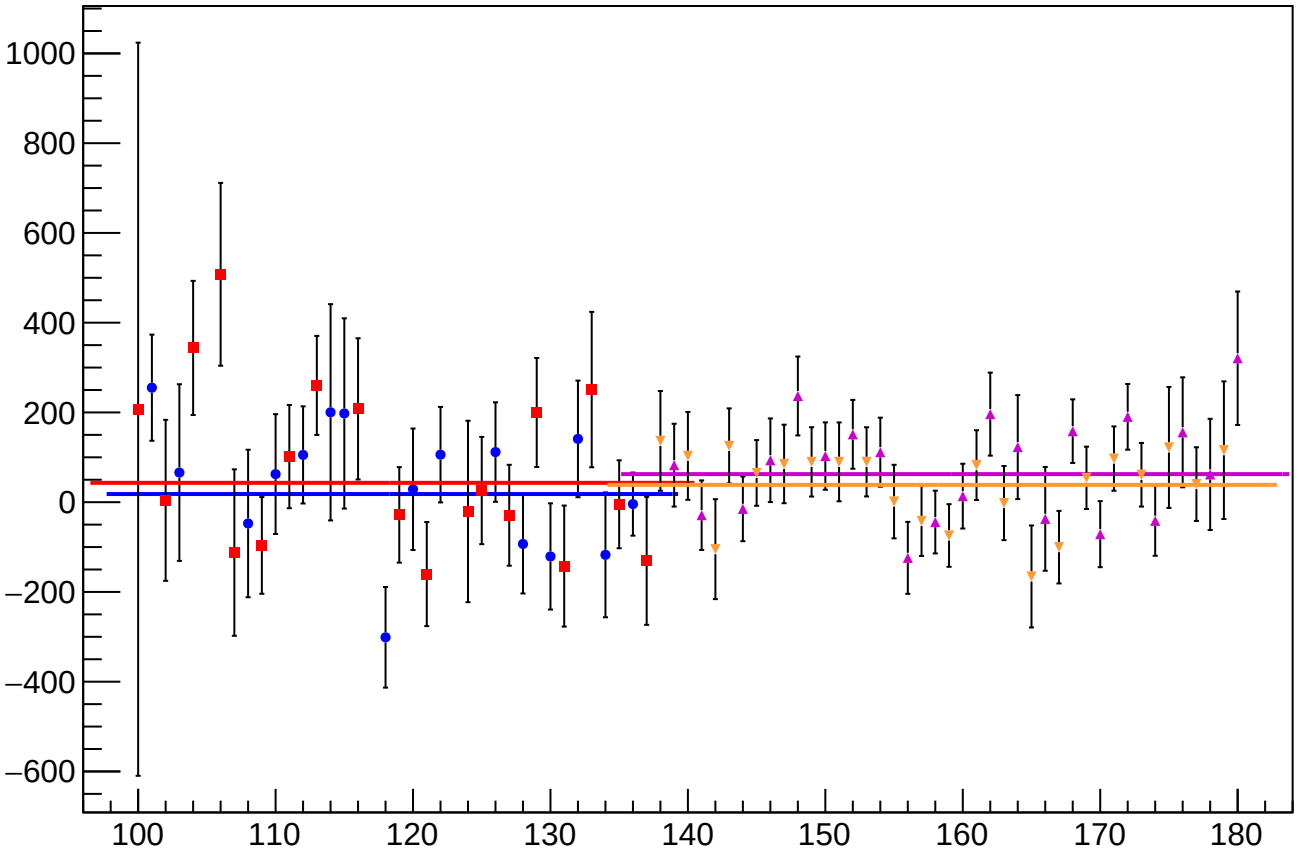
Left: 514.420+/-0.063 χ^2/NDF: 2346562.5/42

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 560.110+/-0.084 χ^2/NDF:4014408.4/36

Out: 564.115+/-0.084 χ^2/NDF:4318595.9/40

All: 562.116+/-0.059 χ^2/NDF: 8334145.6/77



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.547+/-18.356 χ^2/NDF:33.5/20

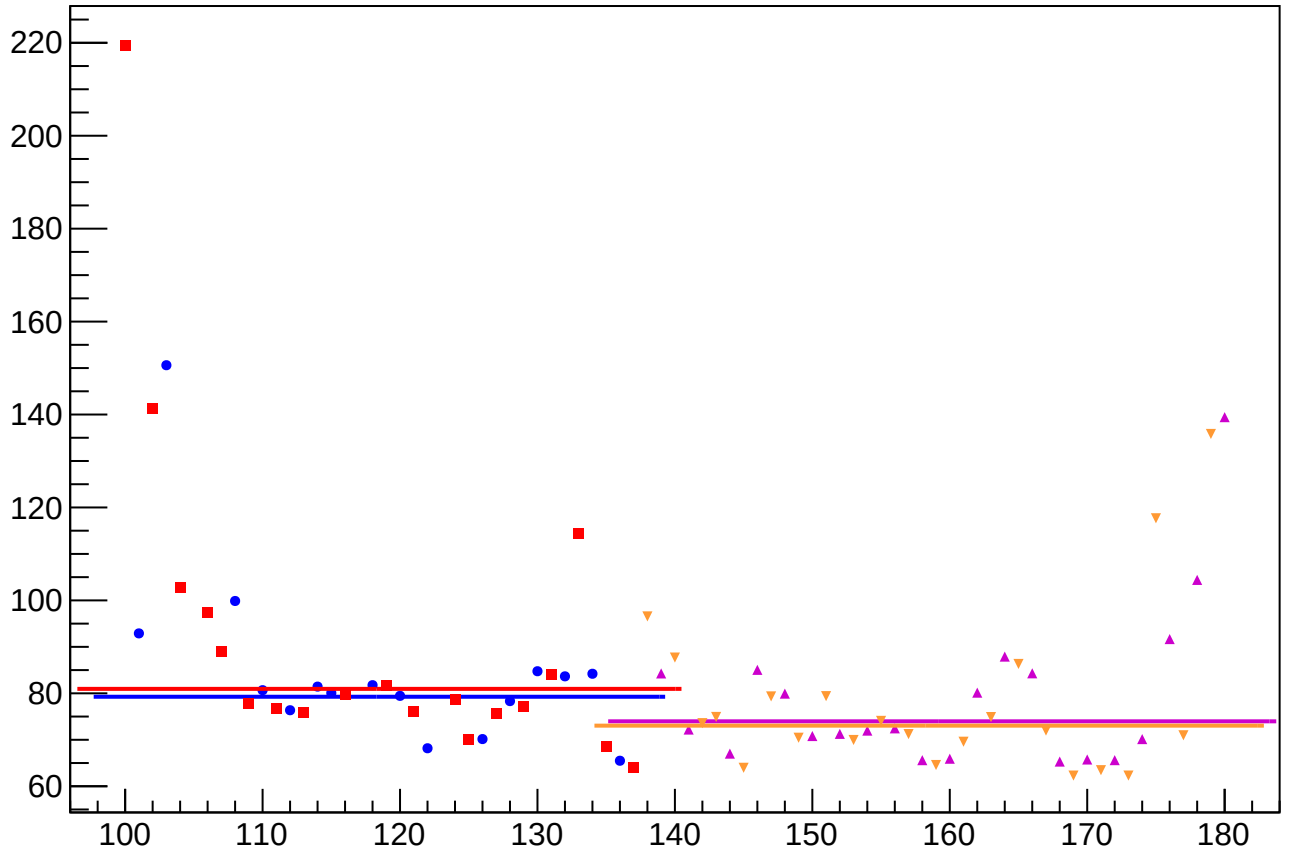
Left: 50.332+/-12.838 χ^2/NDF: 52.0/42

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 50.661+/-15.706 χ^2/NDF:55.2/36

Out: 39.786+/-15.503 χ^2/NDF:45.4/40

All: 45.153+/-11.034 χ^2/NDF: 100.9/77



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.043+/-0.013 χ^2/NDF:940863.7/21

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.975+/-0.013 χ^2/NDF:832903.7/20

Left: 73.499+/-0.009 χ^2/NDF: 1776397.6/42

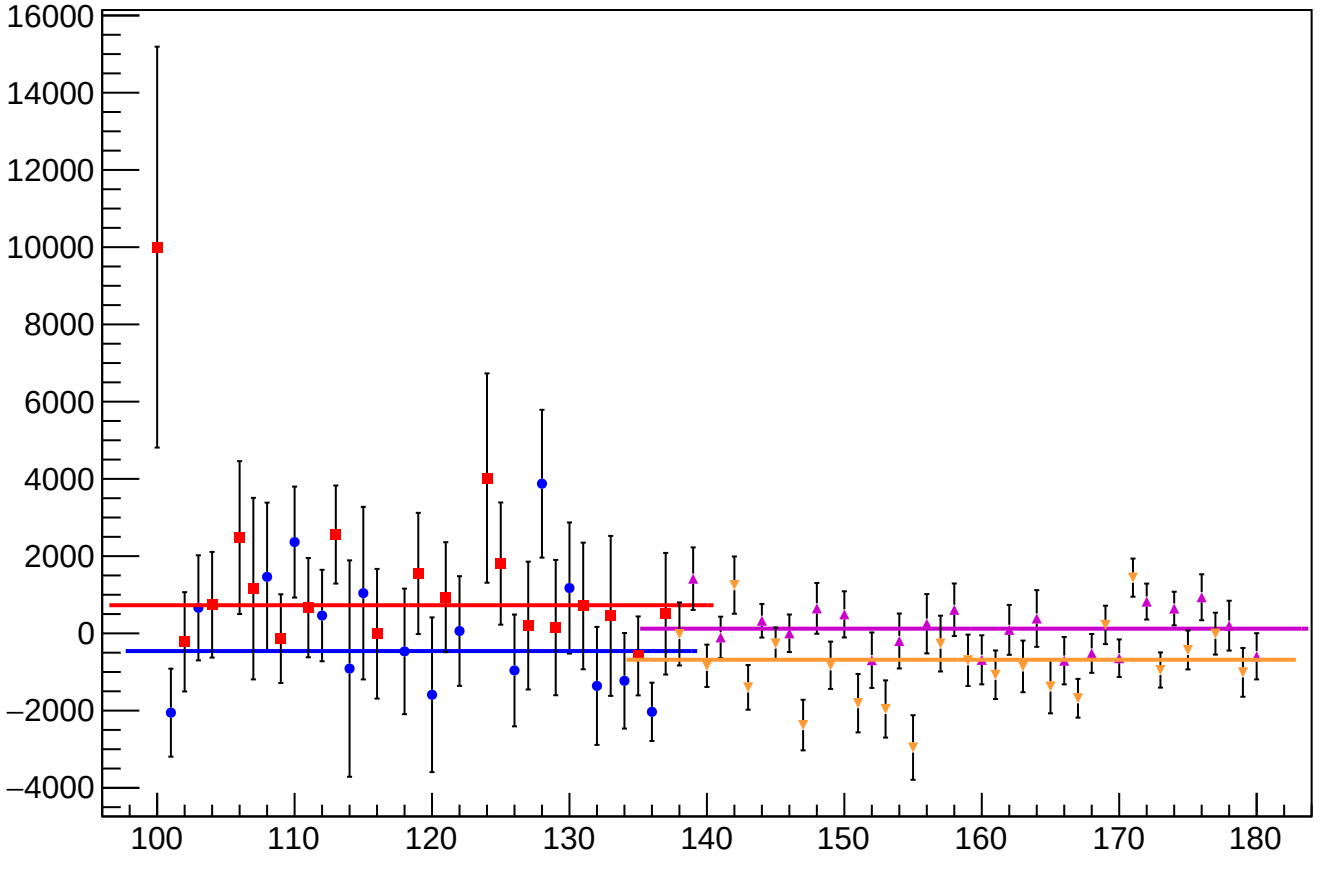
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.391+/-0.011 χ^2/NDF:1322316.2/36

Out: 75.061+/-0.011 χ^2/NDF:1554056.9/40

All: 75.224+/-0.008 χ^2/NDF: 2876821.3/77

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: -682.754+/-125.748 χ^2/NDF:59.3/21

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 121.649+/-126.102 χ^2/NDF:20.8/20

Left: -281.683+/-89.042 χ^2/NDF: 100.5/42

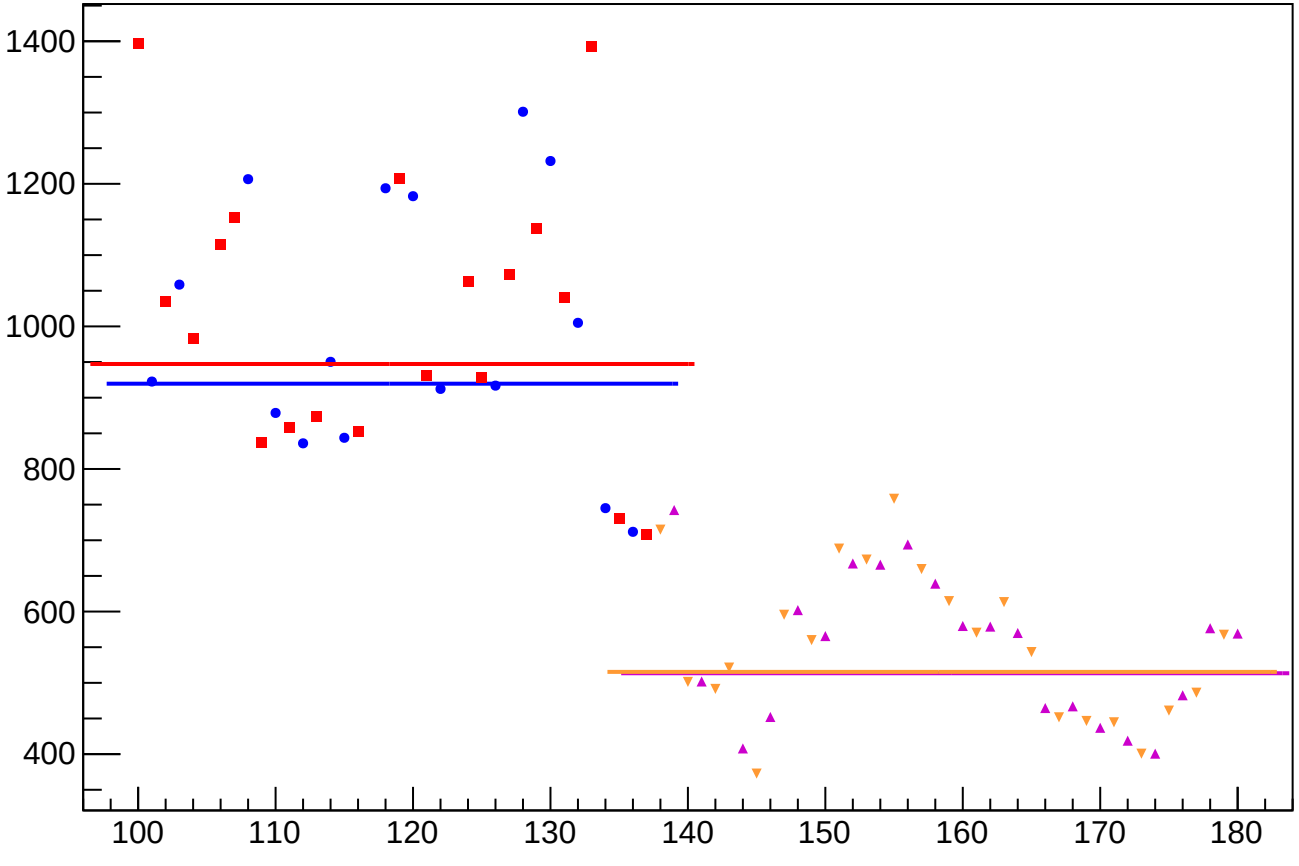
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 55.062+/-118.640 χ^2/NDF:43.5/36

Out: -523.465+/-118.441 χ^2/NDF:85.1/40

All: -234.688+/-83.821 χ^2/NDF: 140.5/77

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: 515.374+/-0.089 χ^2/NDF:1230553.0/21

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 513.459+/-0.089 χ^2/NDF:1115778.6/20

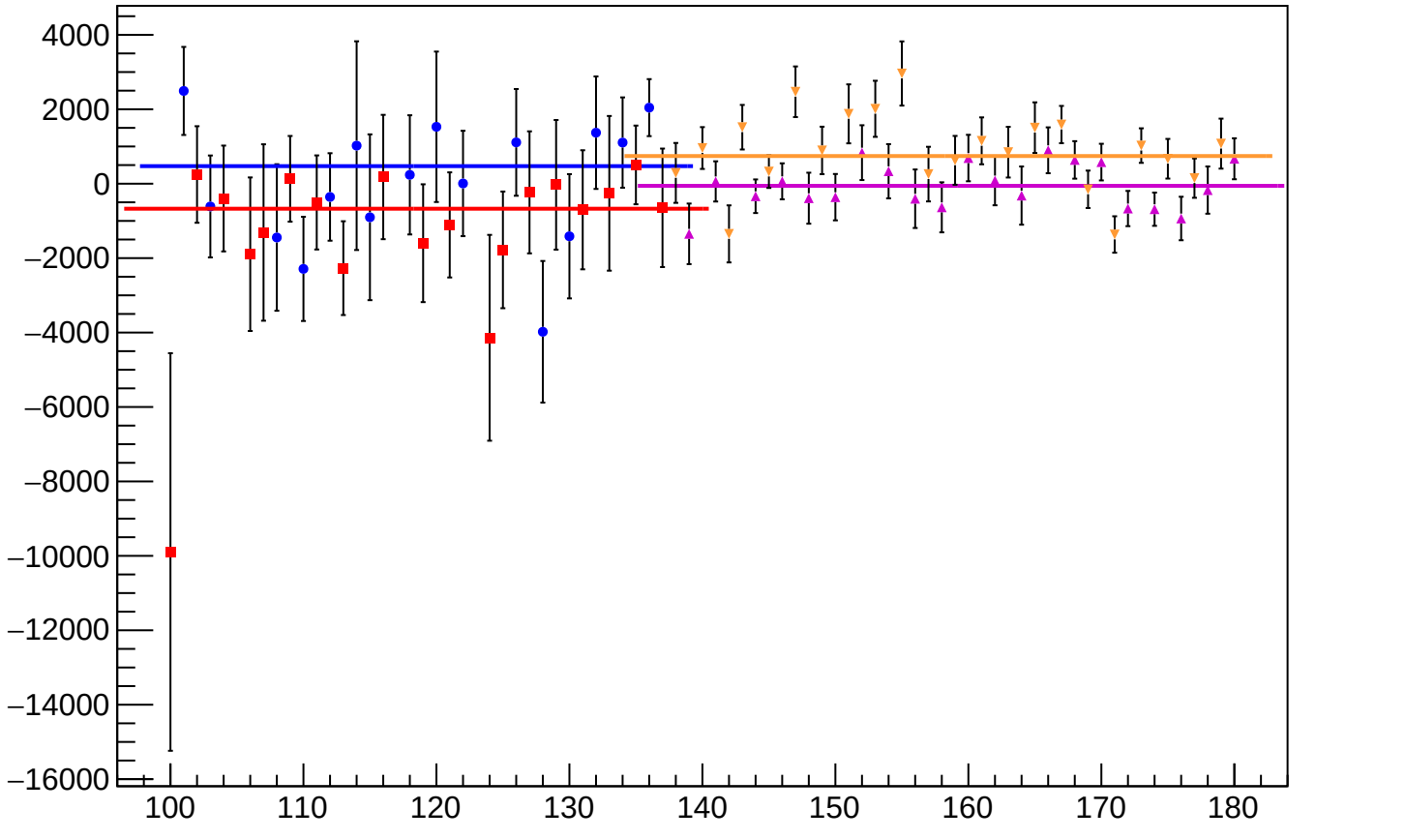
Left: 514.419+/-0.063 χ^2/NDF: 2346563.0/42

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 560.109+/-0.084 χ^2/NDF:4014404.1/36

Out: 564.114+/-0.084 χ^2/NDF:4318595.8/40

All: 562.115+/-0.059 χ^2/NDF: 8334141.2/77



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 742.960+/-128.286 χ^2/NDF:57.1/21

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -57.054+/-127.279 χ^2/NDF:21.4/20

Left: 339.800+/-90.354 χ^2/NDF: 98.1/42

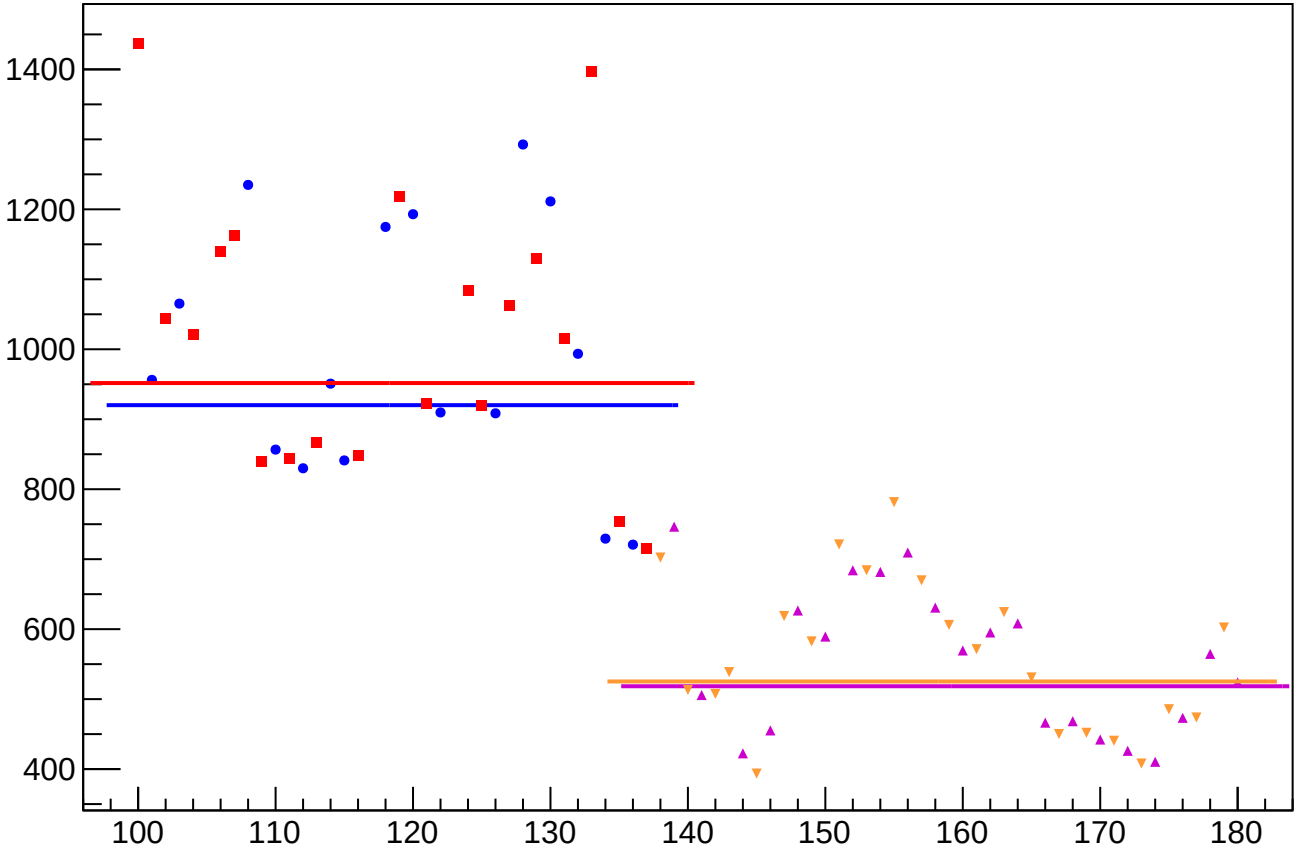
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 4.623+/-119.630 χ^2/NDF:44.9/36

Out: 579.066+/-120.631 χ^2/NDF:81.5/40

All: 289.452+/-84.943 χ^2/NDF: 137.9/77

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.234+/-0.091 χ^2/NDF:1213197.1/21

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.393+/-0.090 χ^2/NDF:1098330.9/20

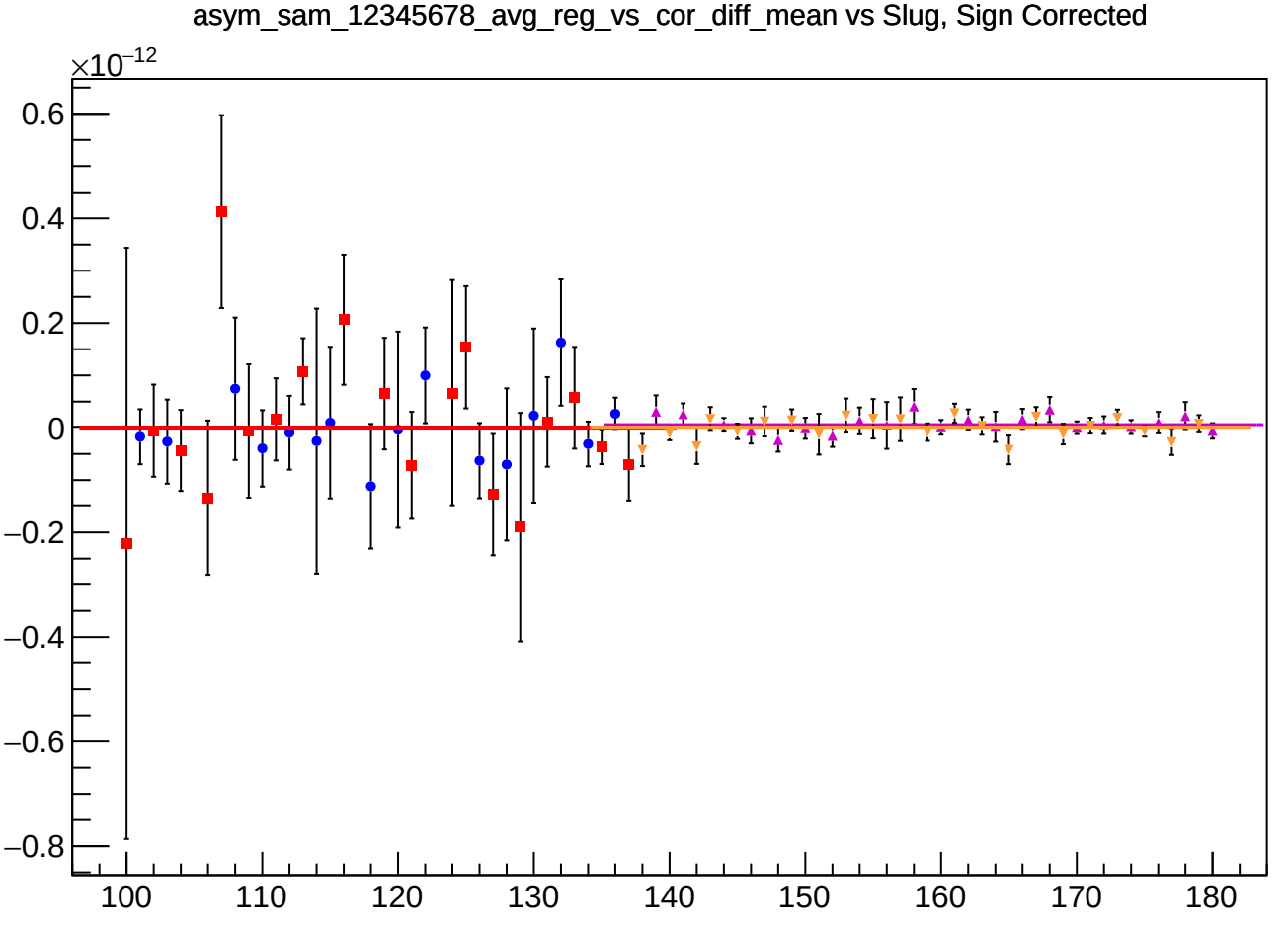
Left: 521.786+/-0.064 χ^2/NDF: 2314394.7/42

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 565.225+/-0.085 χ^2/NDF:3929775.6/36

Out: 574.616+/-0.085 χ^2/NDF:4188765.9/40

All: 569.881+/-0.060 χ^2/NDF: 8124651.8/77



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/20

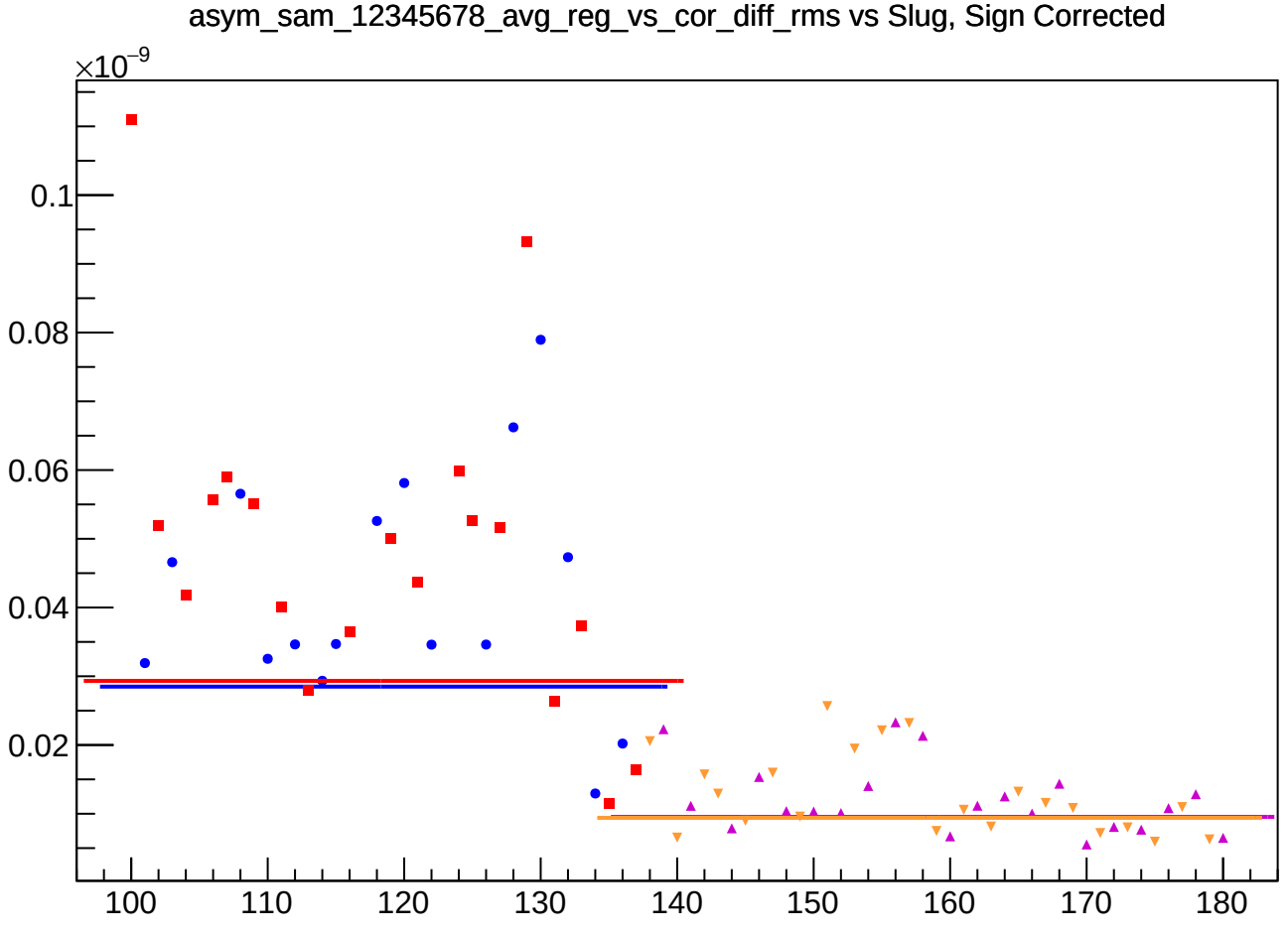
Left: 0.000+/-0.000 χ^2/NDF: 26.2/42

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:16.5/36

Out: -0.000+/-0.000 χ^2/NDF:35.5/40

All: 0.000+/-0.000 χ^2/NDF: 52.8/77



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2062021.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1597357.7/20

Left: 0.000+/-0.000 χ^2/NDF: 3660514.6/42

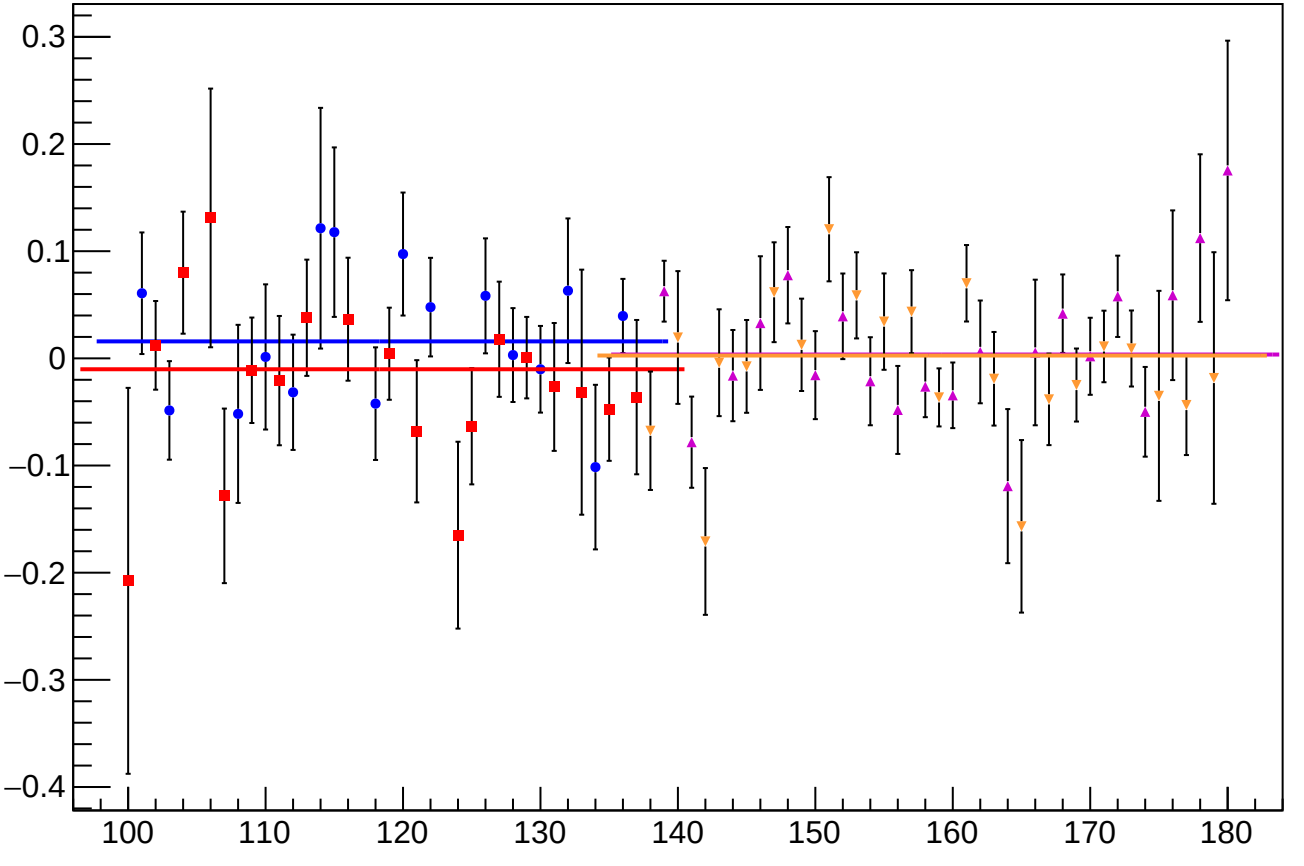
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4919222.6/36

Out: 0.000+/-0.000 χ^2/NDF:5758044.4/40

All: 0.000+/-0.000 χ^2/NDF: 10682308.4/77

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.004+/-0.009 χ^2/NDF:28.9/20

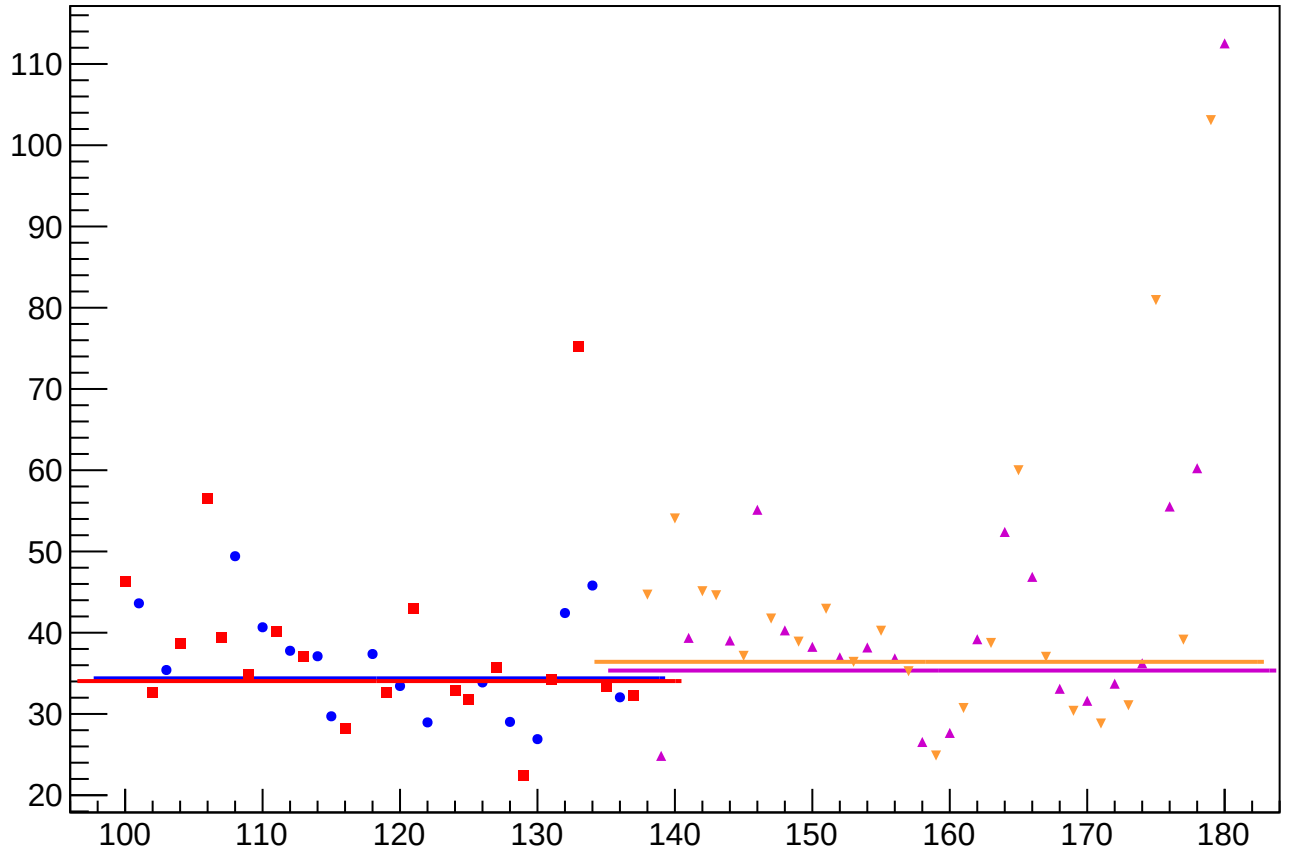
Left: 0.003+/-0.007 χ^2/NDF: 60.8/42

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.008 χ^2/NDF:44.2/36

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 92.6/77



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246419.9/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

Left: 35.873+/-0.005 χ^2/NDF: 4495307.7/42

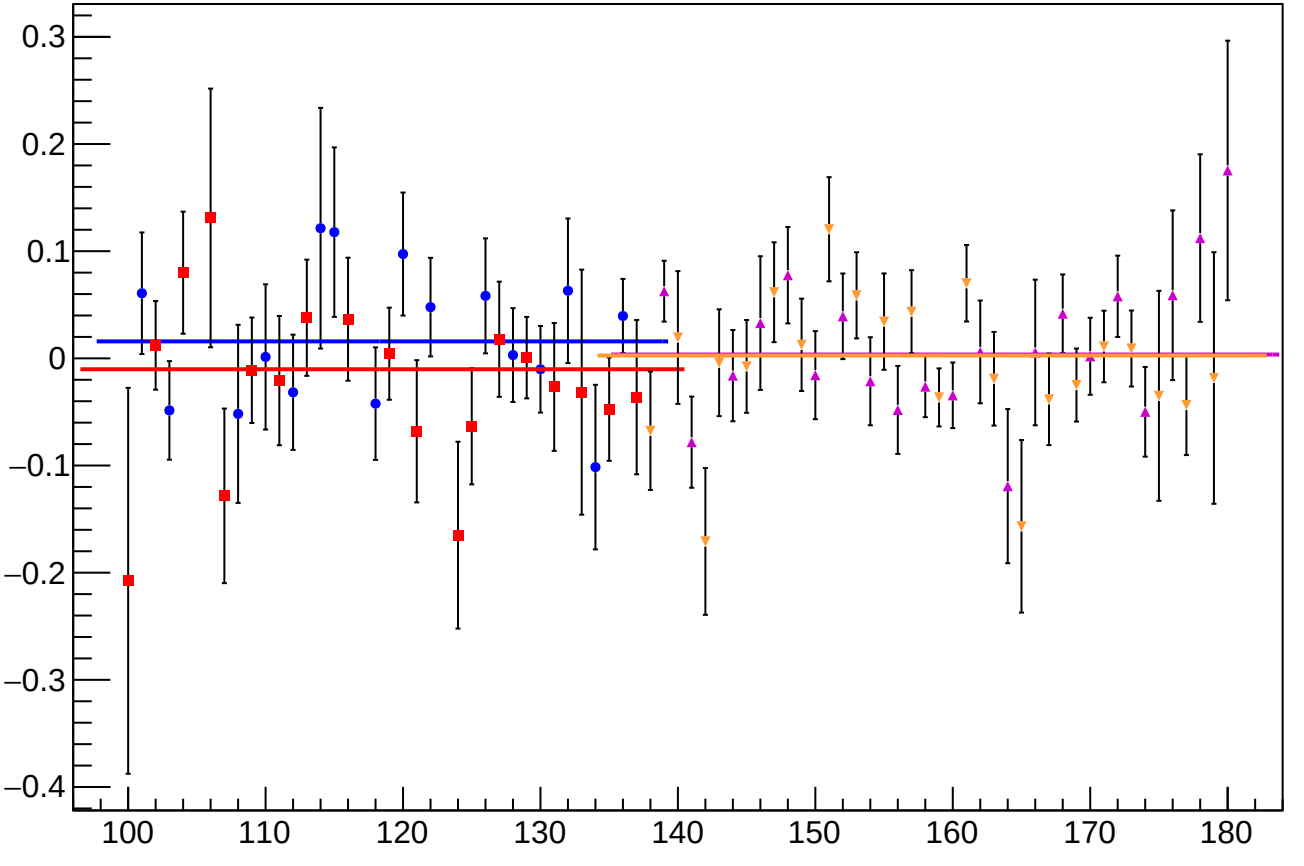
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.035+/-0.005 χ^2/NDF:2610310.6/36

Out: 35.629+/-0.005 χ^2/NDF:2932085.2/40

All: 35.330+/-0.004 χ^2/NDF: 5548504.3/77

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: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.004+/-0.009 χ^2/NDF:28.9/20

Left: 0.003+/-0.007 χ^2/NDF: 60.8/42

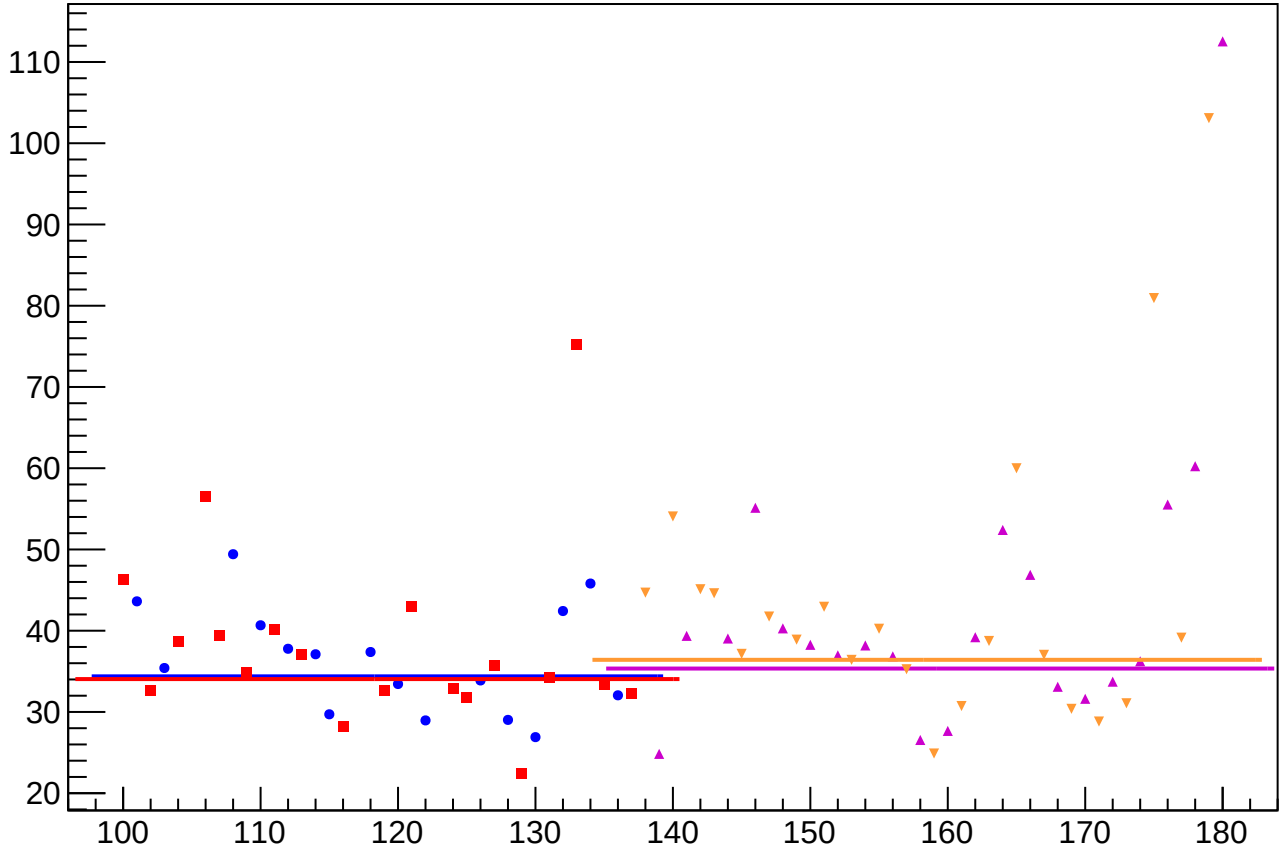
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.008 χ^2/NDF:44.2/36

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 92.6/77

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: 36.417+/-0.007 χ^2/NDF:2246419.9/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.343+/-0.007 χ^2/NDF:2235433.7/20

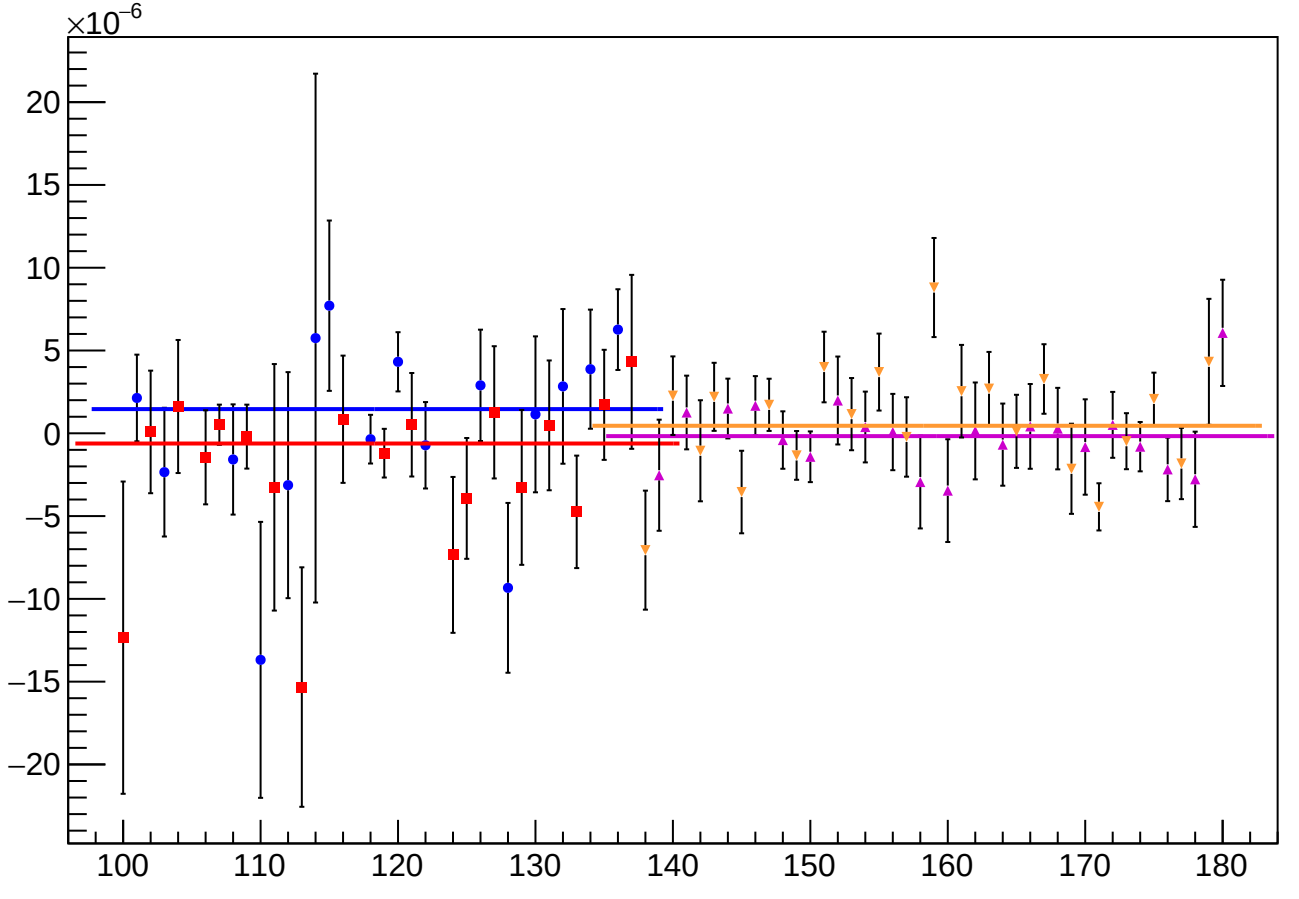
Left: 35.873+/-0.005 χ^2/NDF: 4495307.7/42

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.035+/-0.005 χ^2/NDF:2610310.6/36

Out: 35.629+/-0.005 χ^2/NDF:2932085.2/40

All: 35.330+/-0.004 χ^2/NDF: 5548504.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/20

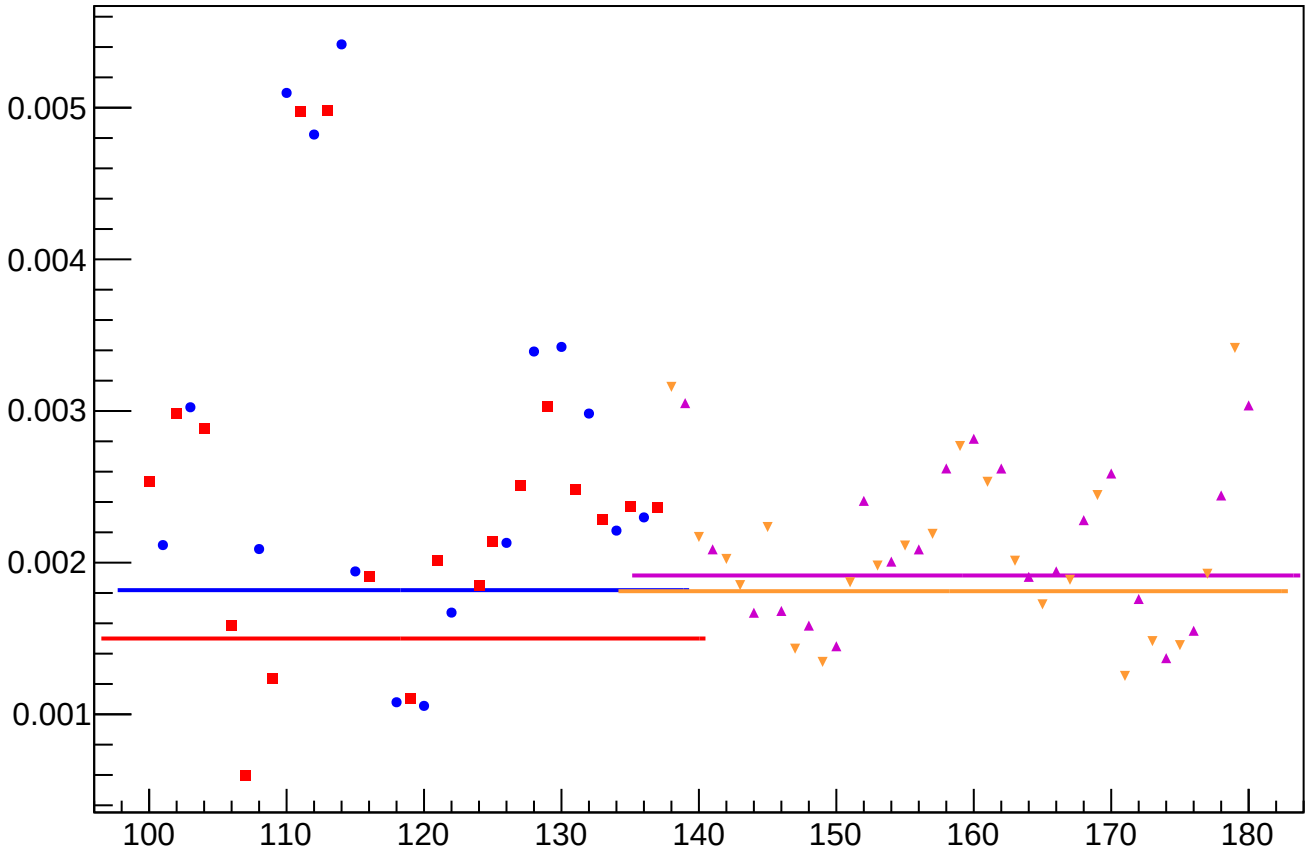
Left: 0.000+/-0.000 χ^2/NDF: 56.4/42

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:36.8/36

Out: 0.000+/-0.000 χ^2/NDF:58.7/40

All: 0.000+/-0.000 χ^2/NDF: 95.7/77



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2120479.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1882823.2/20

Left: 0.002+/-0.000 χ^2/NDF: 4053041.8/42

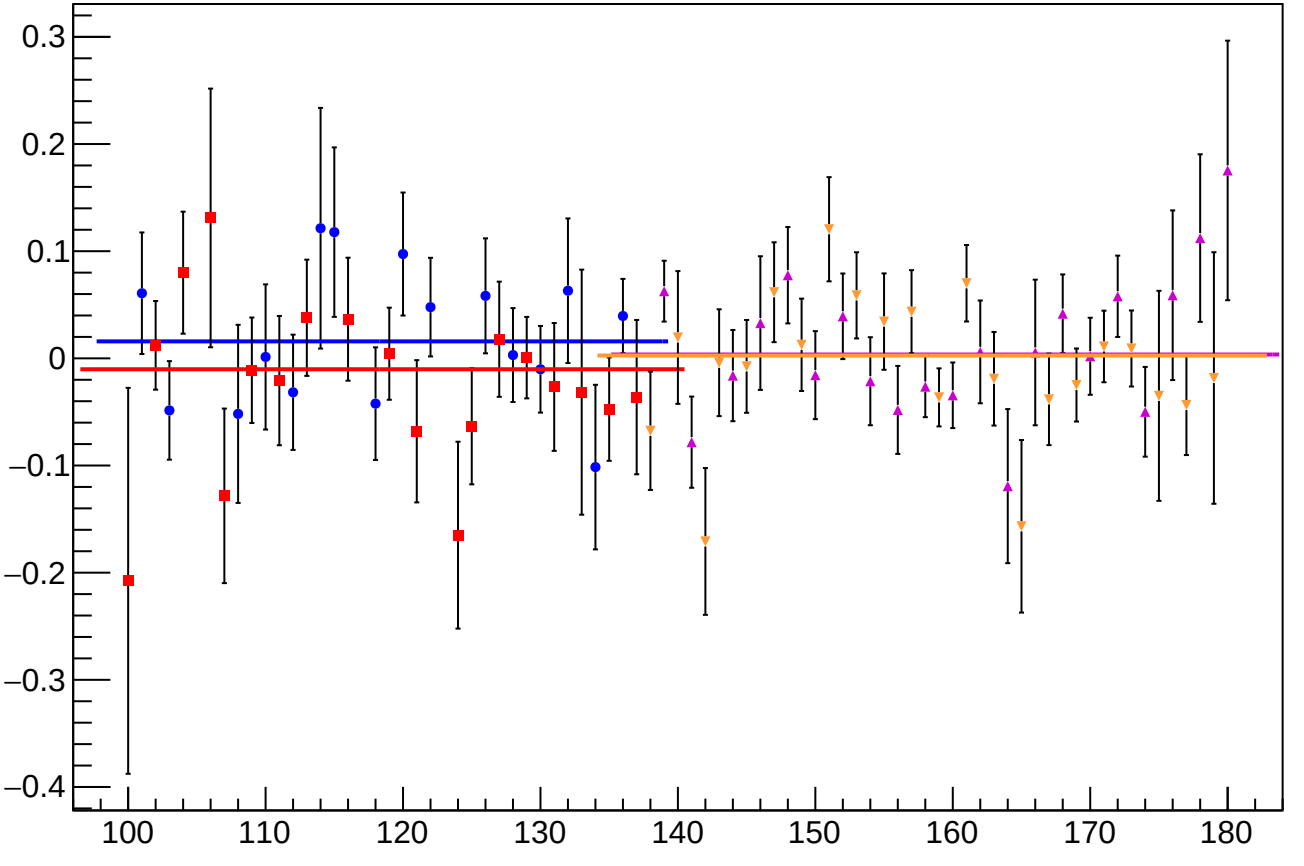
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4476609.6/36

Out: 0.002+/-0.000 χ^2/NDF:6124057.2/40

All: 0.002+/-0.000 χ^2/NDF: 10811013.6/77

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: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.004+/-0.009 χ^2/NDF:28.9/20

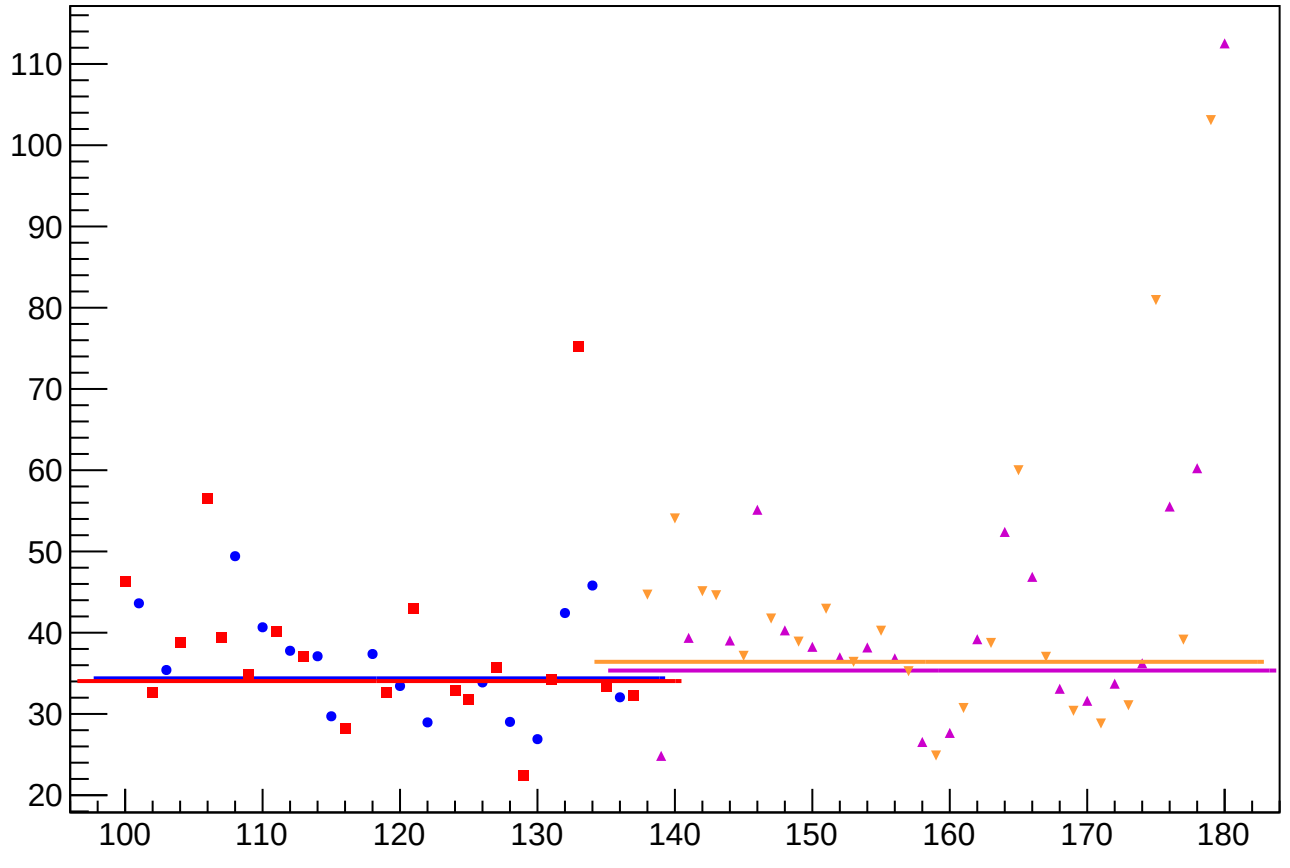
Left: 0.003+/-0.007 χ^2/NDF: 60.8/42

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.008 χ^2/NDF:44.2/36

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 92.6/77



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

Left: 35.873+/-0.005 χ^2/NDF: 4495393.8/42

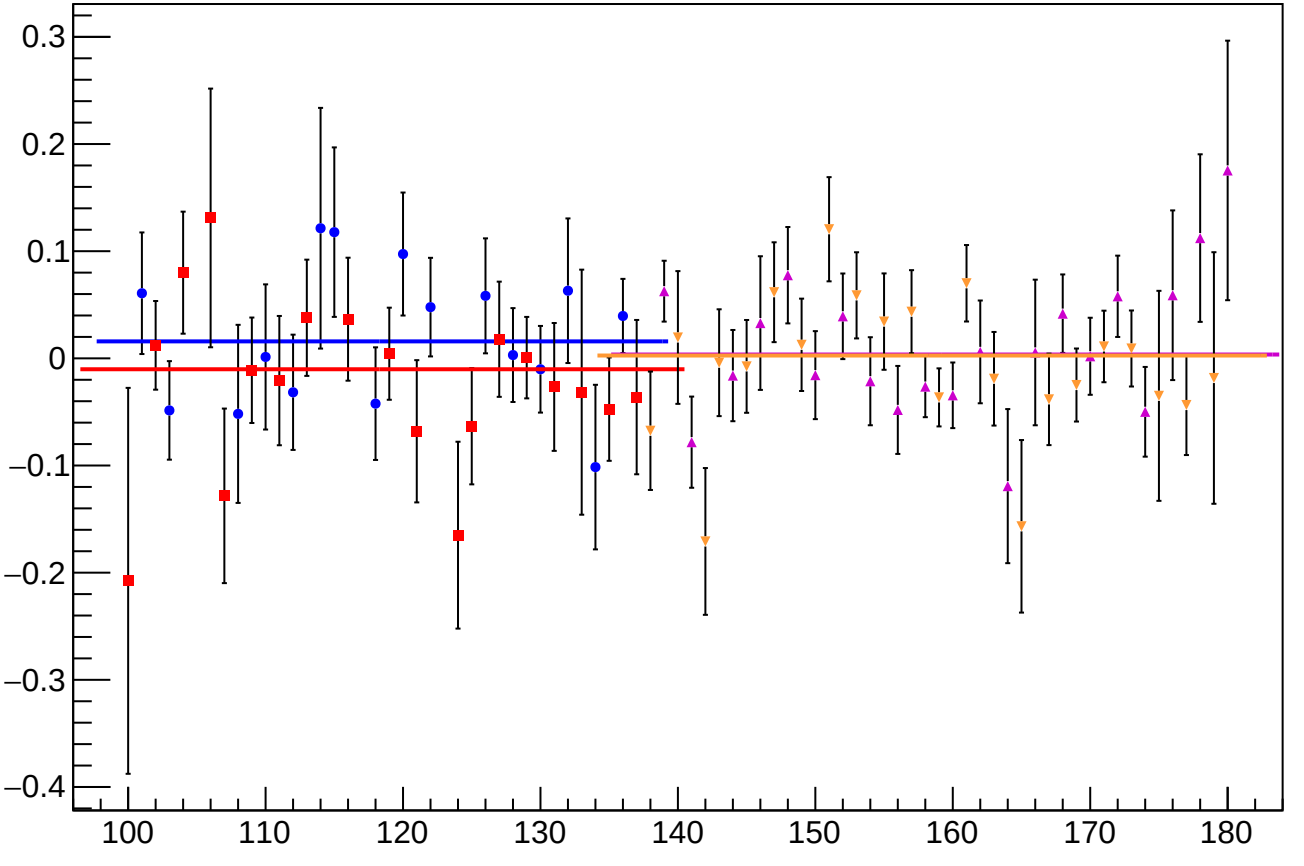
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.035+/-0.005 χ^2/NDF:2610406.6/36

Out: 35.629+/-0.005 χ^2/NDF:2932221.5/40

All: 35.330+/-0.004 χ^2/NDF: 5548736.3/77

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: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.004+/-0.009 χ^2/NDF:28.9/20

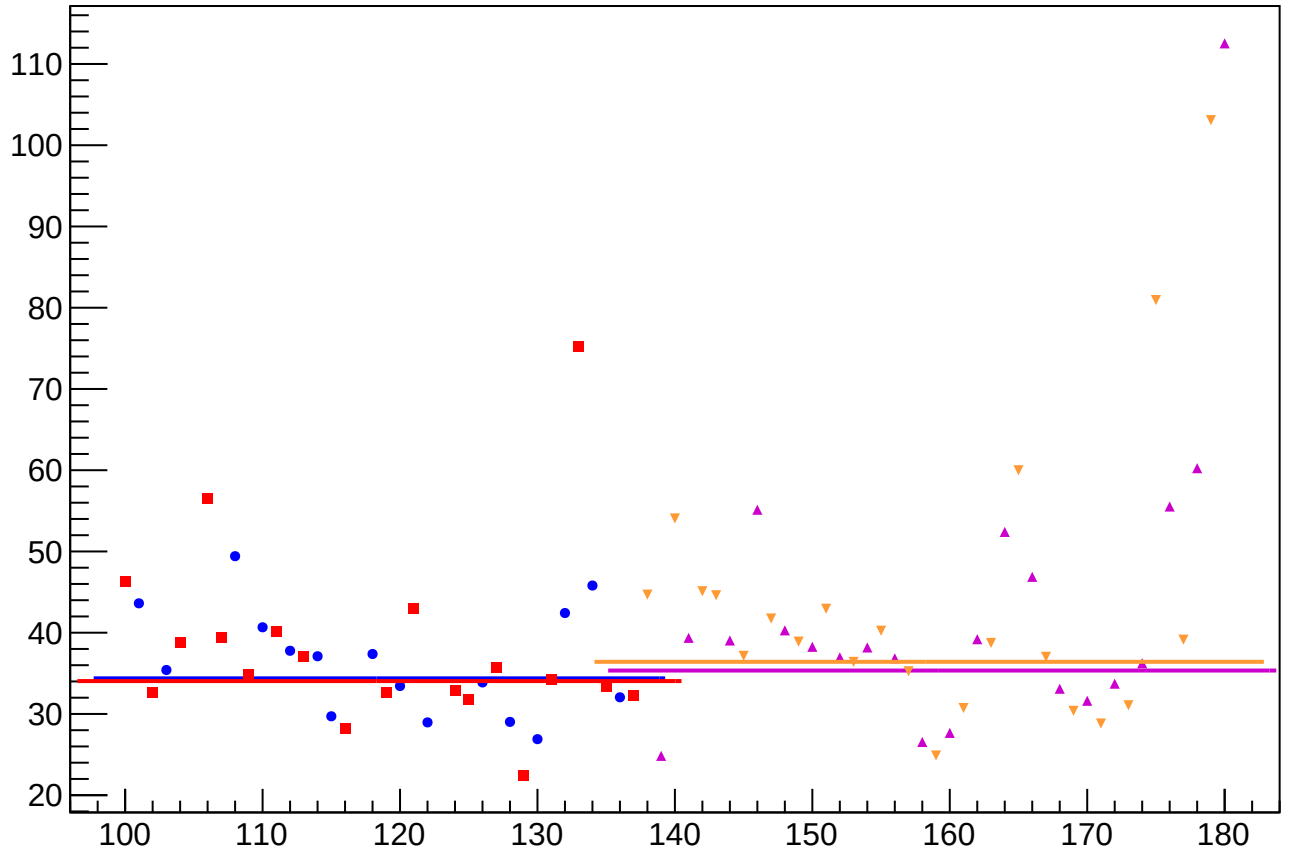
Left: 0.003+/-0.007 χ^2/NDF: 60.8/42

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.008+/-0.008 χ^2/NDF:44.2/36

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 92.6/77



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.343+/-0.007 χ^2/NDF:2235457.1/20

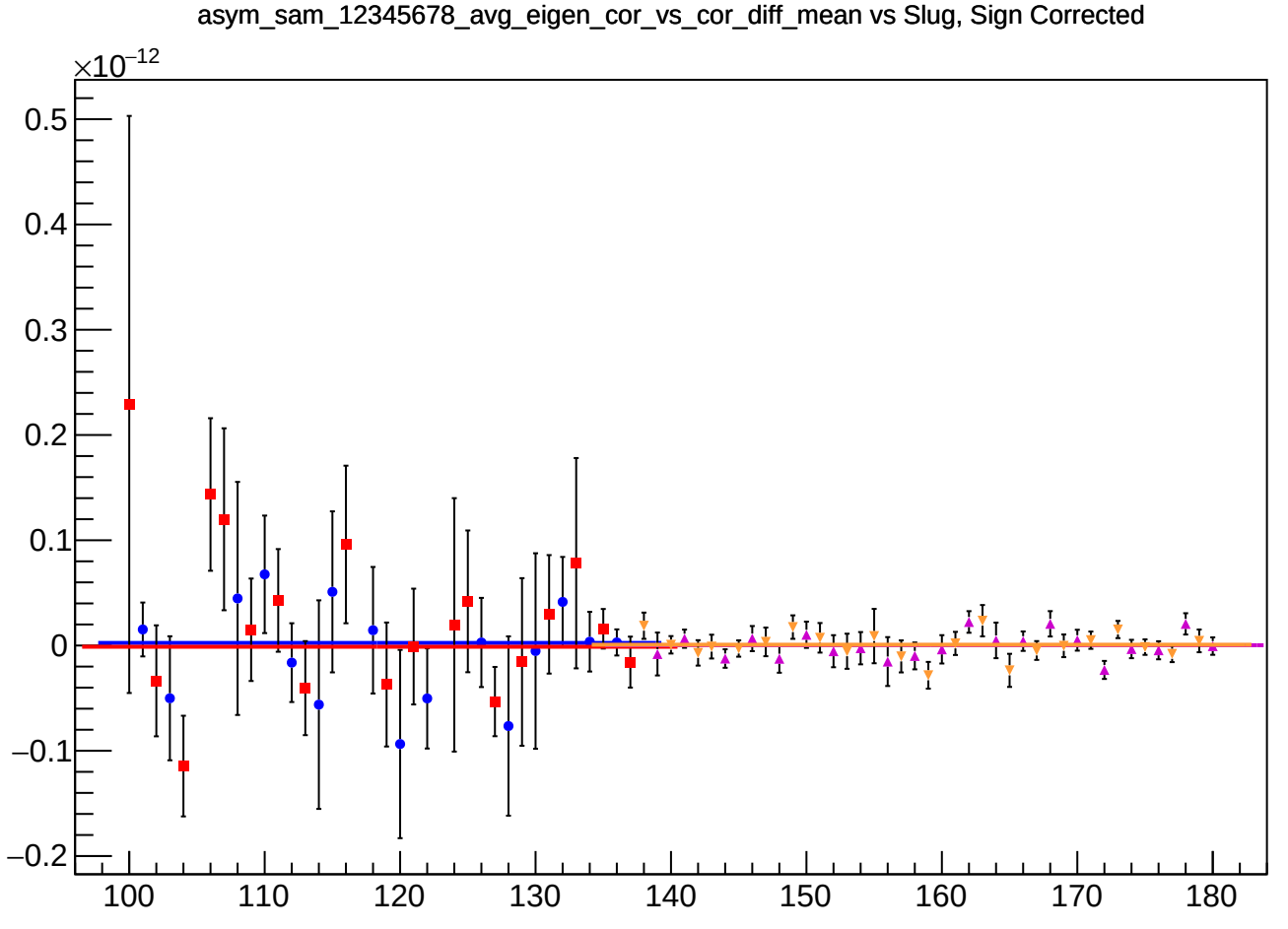
Left: 35.873+/-0.005 χ^2/NDF: 4495393.8/42

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.035+/-0.005 χ^2/NDF:2610406.6/36

Out: 35.629+/-0.005 χ^2/NDF:2932221.5/40

All: 35.330+/-0.004 χ^2/NDF: 5548736.3/77



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:25.9/20

Left: 0.000+/-0.000 χ^2/NDF: 47.2/42

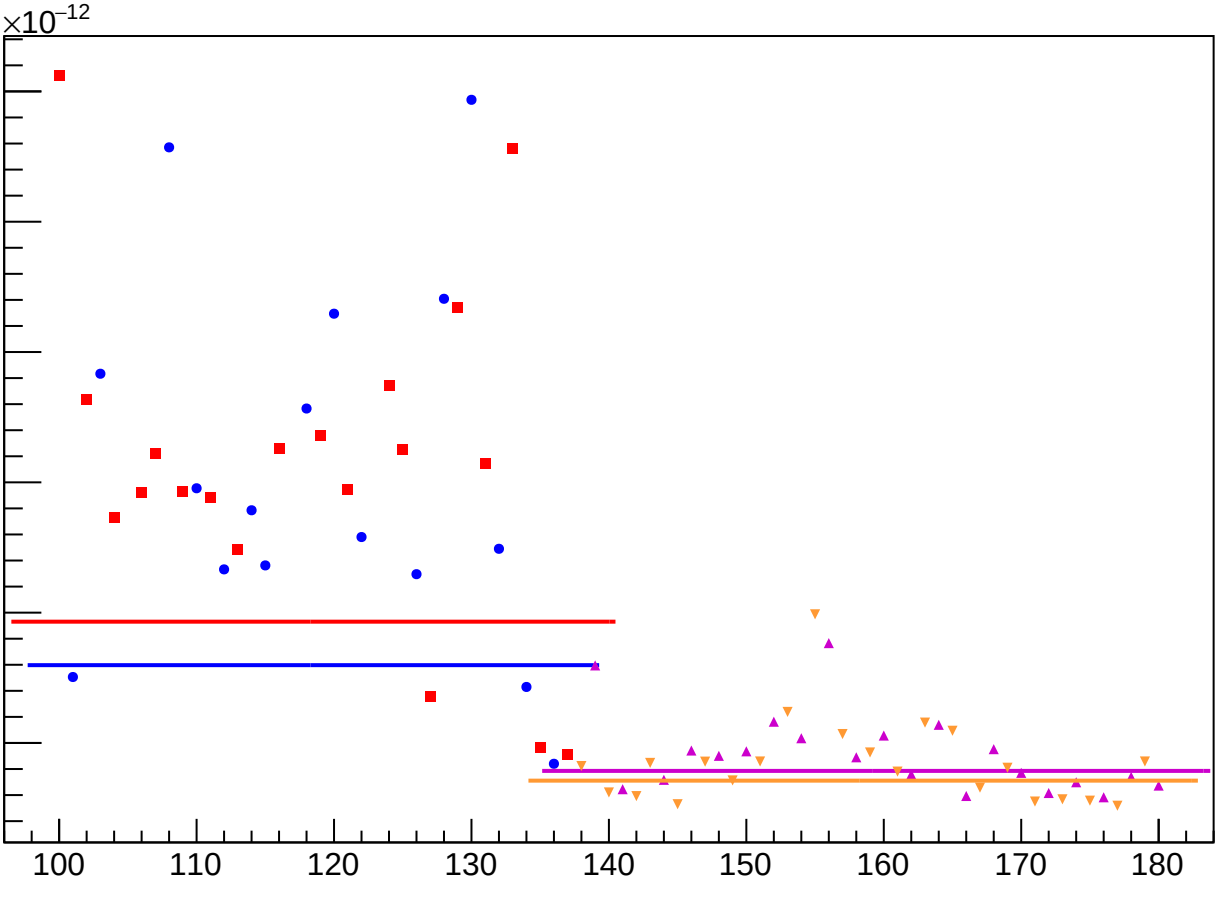
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:33.7/36

Out: 0.000+/-0.000 χ^2/NDF:42.7/40

All: 0.000+/-0.000 χ^2/NDF: 76.4/77

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1810381.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1552326.8/20

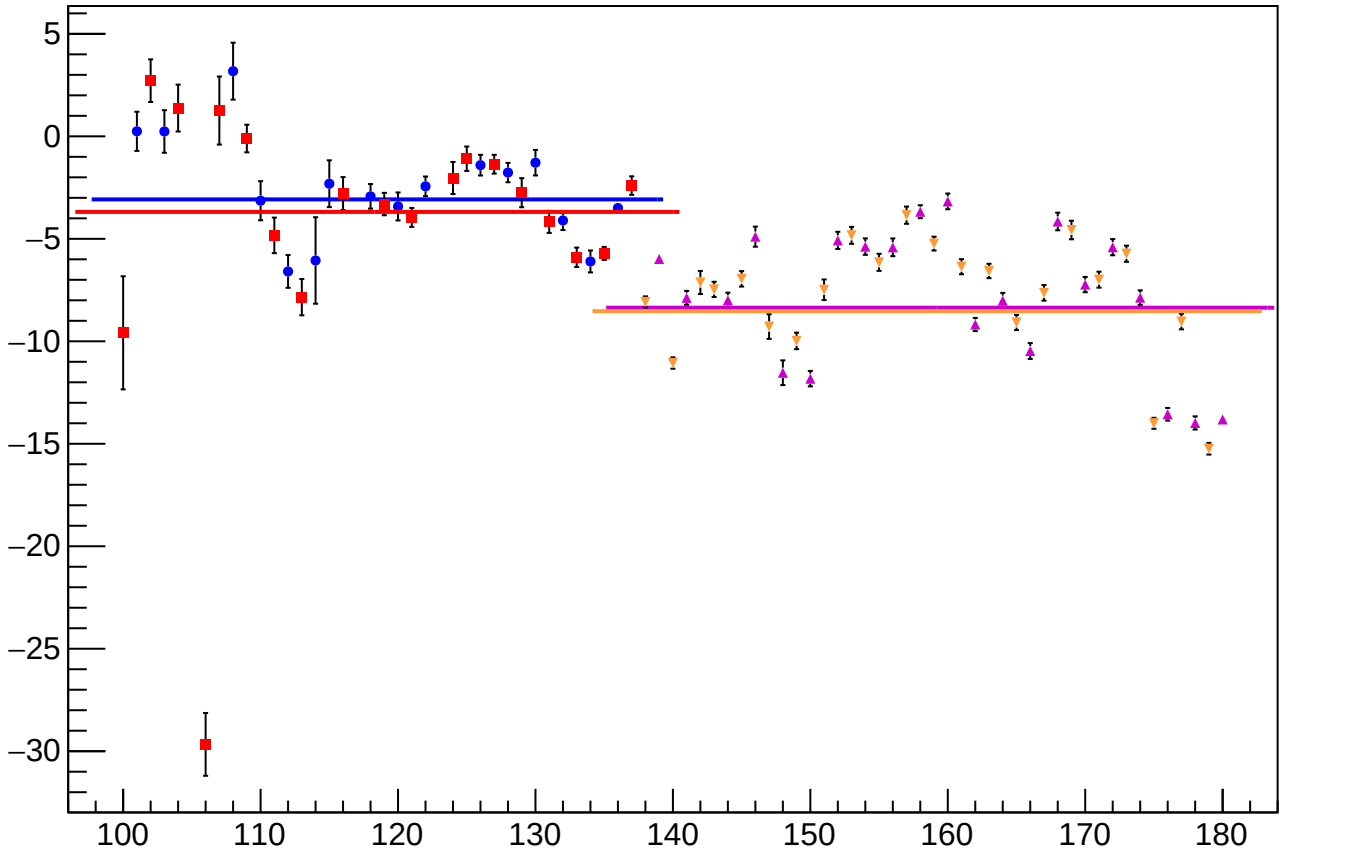
Left: 0.000+/-0.000 χ^2/NDF: 3466906.5/42

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5986537.3/36

Out: 0.000+/-0.000 χ^2/NDF:6977346.9/40

All: 0.000+/-0.000 χ^2/NDF: 13073584.6/77



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.532+/-0.078 χ^2/NDF:1658.2/21

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -8.360+/-0.077 χ^2/NDF:2100.9/20

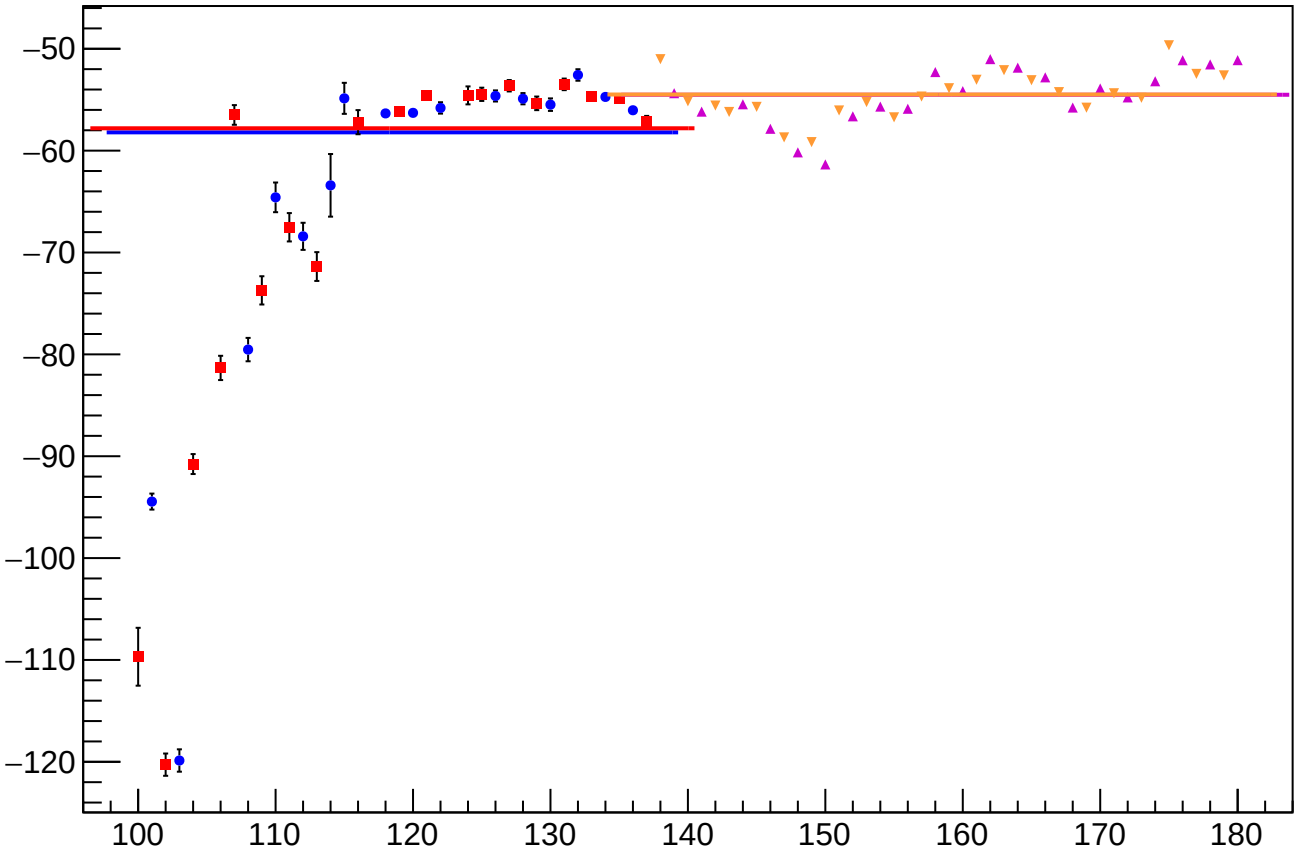
Left: -8.445+/-0.055 χ^2/NDF: 3761.5/42

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -7.061+/-0.067 χ^2/NDF:3385.8/36

Out: -7.382+/-0.068 χ^2/NDF:3103.8/40

All: -7.219+/-0.048 χ^2/NDF: 6500.8/77



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.489+/-0.060 χ^2/NDF:1463.2/21

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.515+/-0.061 χ^2/NDF:2263.2/20

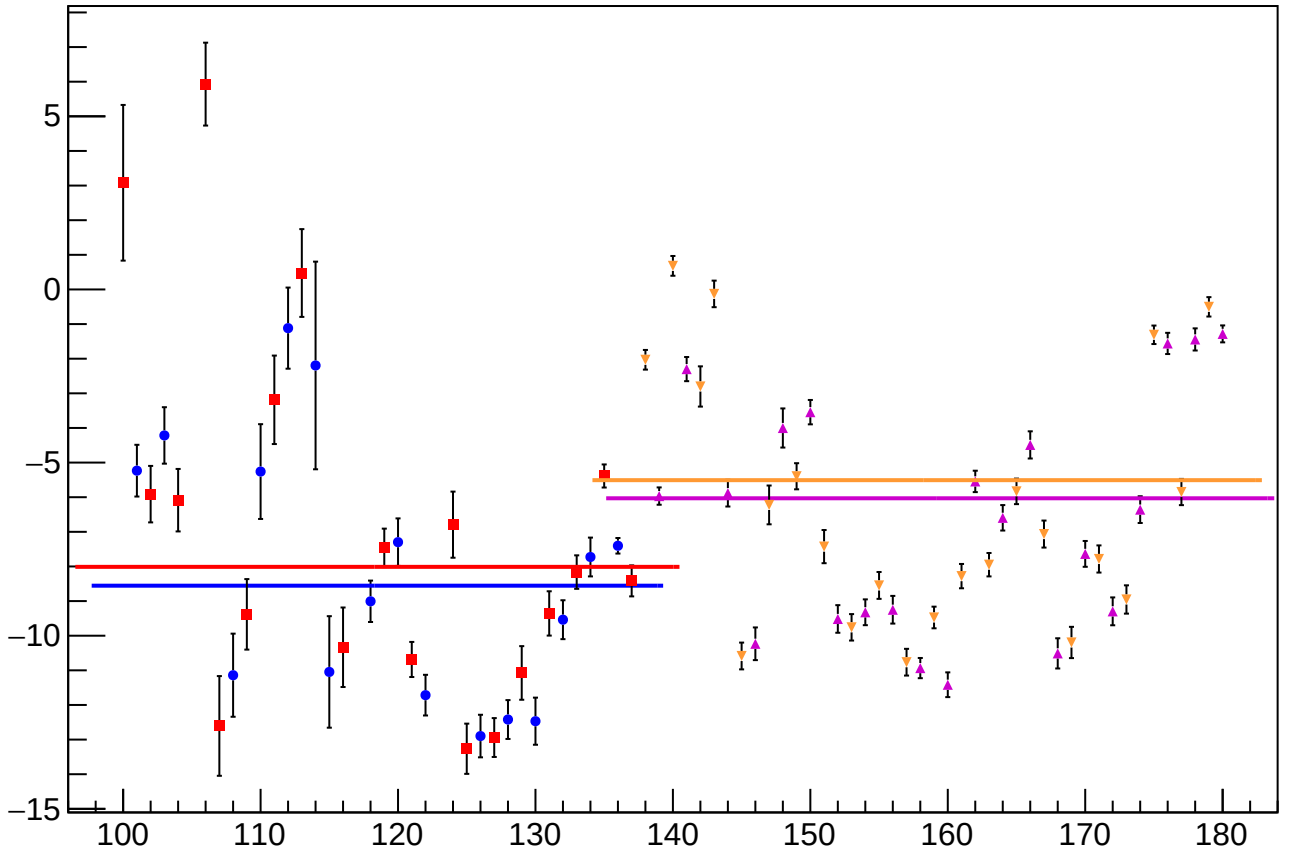
Left: -54.502+/-0.043 χ^2/NDF: 3726.5/42

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.138+/-0.056 χ^2/NDF:9005.7/36

Out: -55.008+/-0.055 χ^2/NDF:7739.0/40

All: -55.072+/-0.039 χ^2/NDF: 16747.5/77



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.508+/-0.077 χ^2/NDF:2471.1/21

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -6.031+/-0.076 χ^2/NDF:1991.3/20

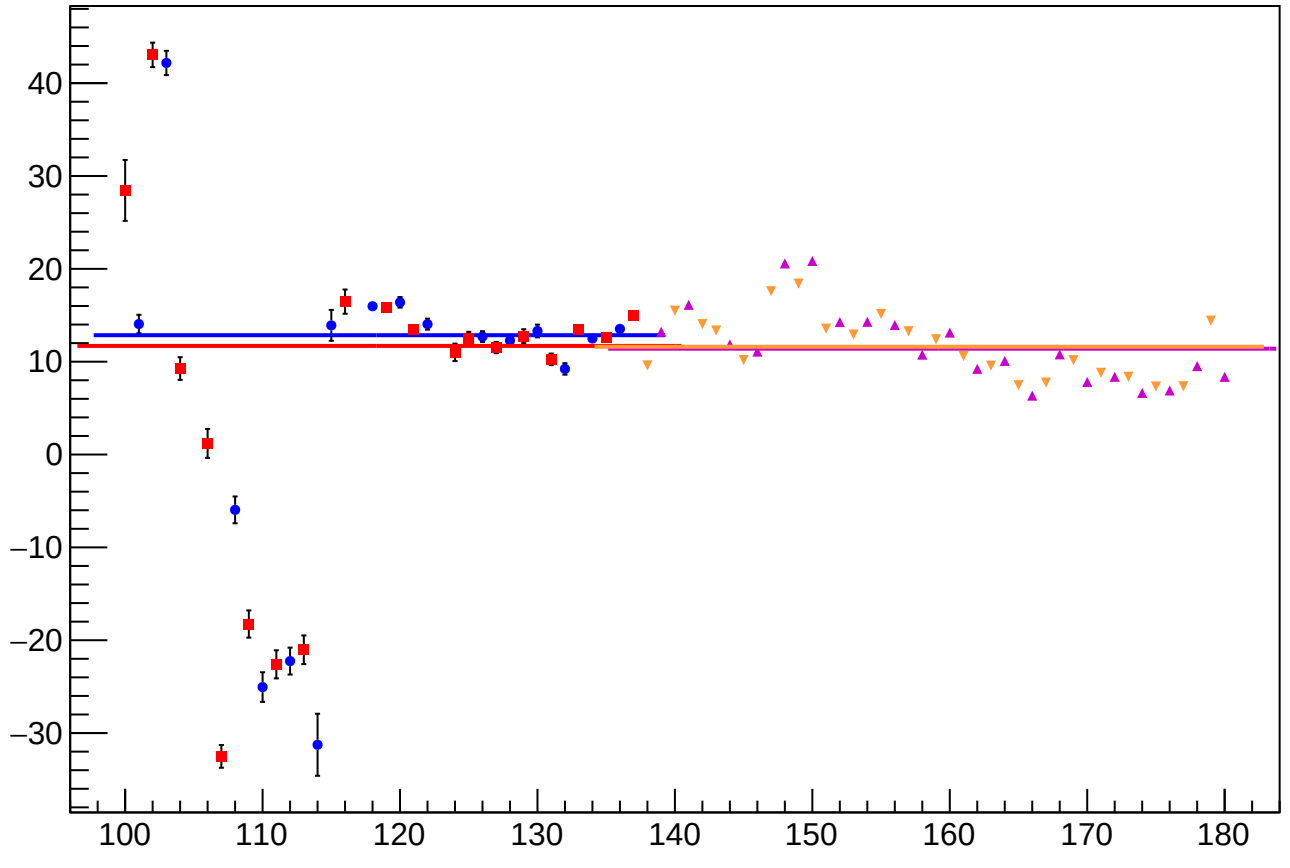
Left: -5.773+/-0.054 χ^2/NDF: 4485.8/42

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -6.578+/-0.067 χ^2/NDF:2530.3/36

Out: -6.016+/-0.069 χ^2/NDF:3174.1/40

All: -6.303+/-0.048 χ^2/NDF: 5738.5/77



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.611+/-0.067 χ^2/NDF:2311.2/21

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.401+/-0.068 χ^2/NDF:3237.0/20

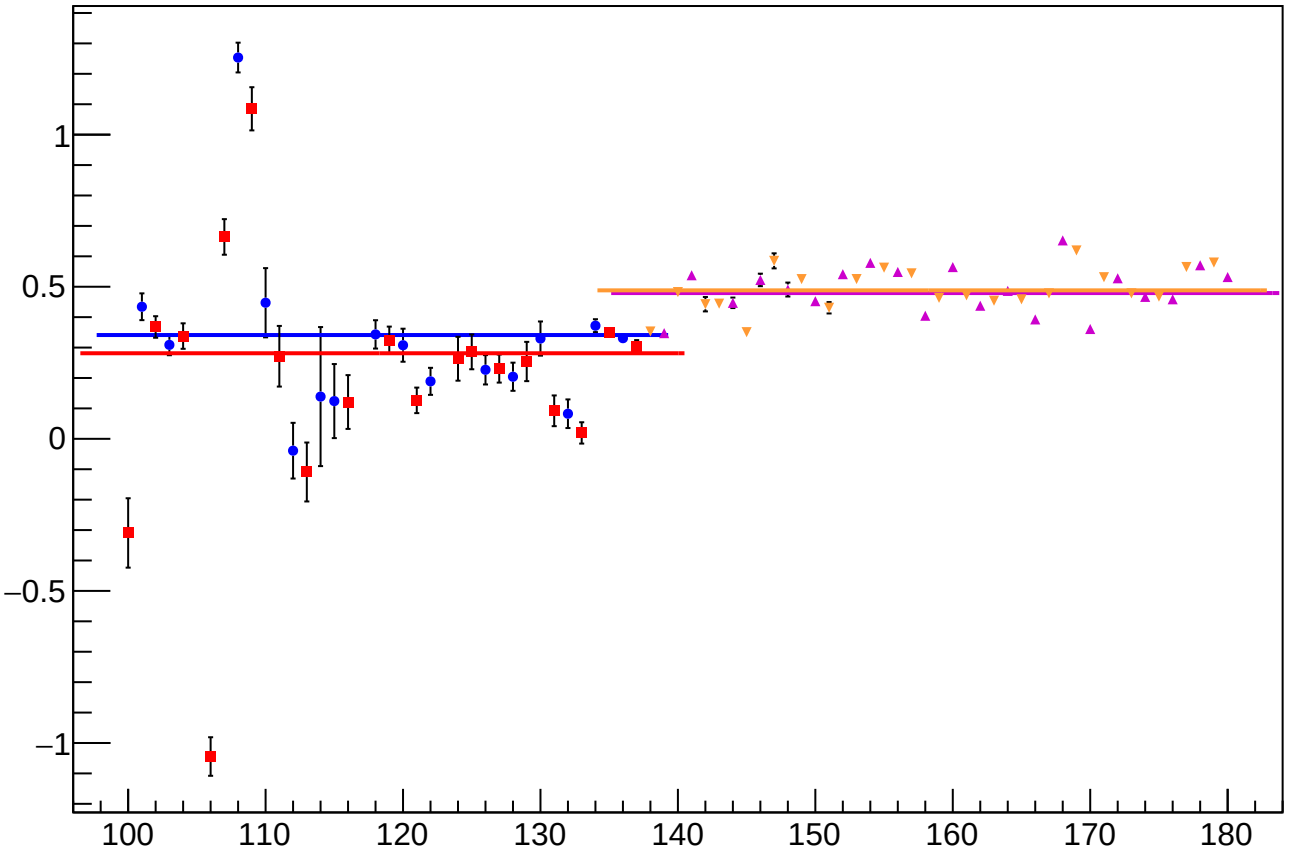
Left: 11.507+/-0.047 χ^2/NDF: 5553.0/42

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.645+/-0.062 χ^2/NDF:5443.0/36

Out: 11.625+/-0.061 χ^2/NDF:5810.2/40

All: 11.635+/-0.043 χ^2/NDF: 11253.3/77



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.488+/-0.003 χ^2/NDF:523.7/21

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.479+/-0.003 χ^2/NDF:795.7/20

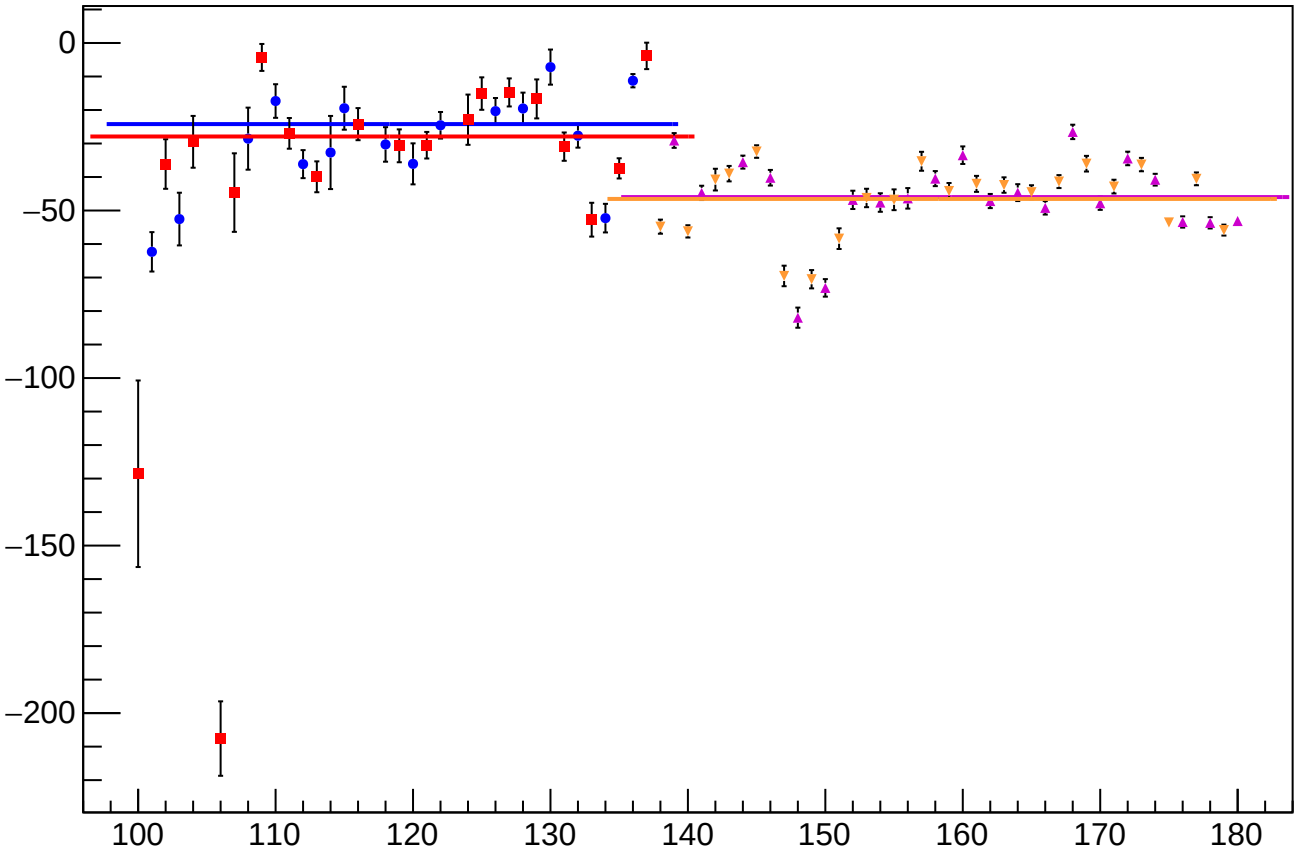
Left: 0.484+/-0.002 χ^2/NDF: 1324.0/42

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.463+/-0.003 χ^2/NDF:1501.2/36

Out: 0.466+/-0.003 χ^2/NDF:1833.2/40

All: 0.464+/-0.002 χ^2/NDF: 3335.0/77



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.539+/-0.467 χ^2/NDF:407.5/21

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.988+/-0.456 χ^2/NDF:571.4/20

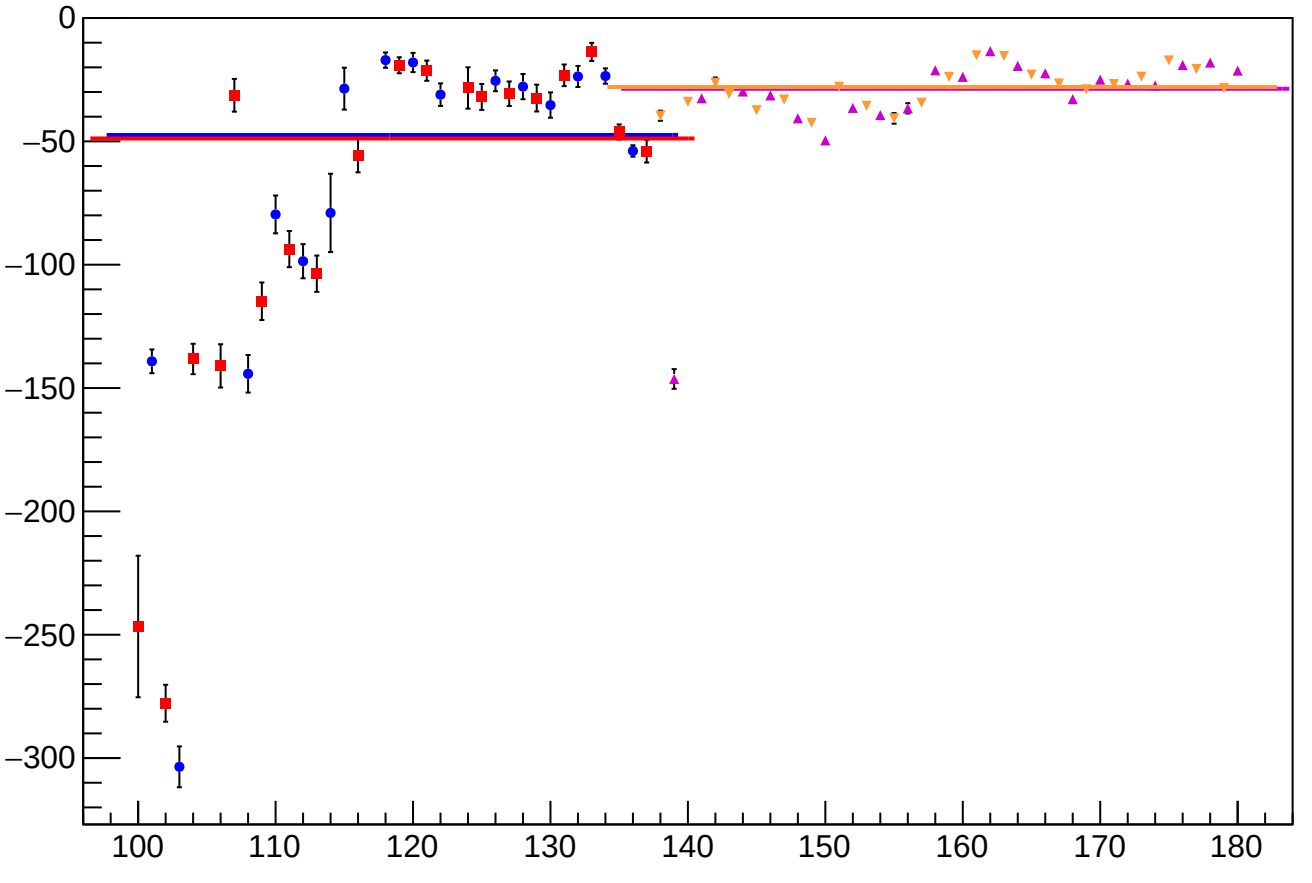
Left: -46.257+/-0.326 χ^2/NDF: 979.6/42

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -42.726+/-0.420 χ^2/NDF:1084.0/36

Out: -43.854+/-0.432 χ^2/NDF:1050.7/40

All: -43.275+/-0.301 χ^2/NDF: 2138.2/77



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.971+/-0.349 χ^2/NDF:462.4/21

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -28.675+/-0.351 χ^2/NDF:1460.3/20

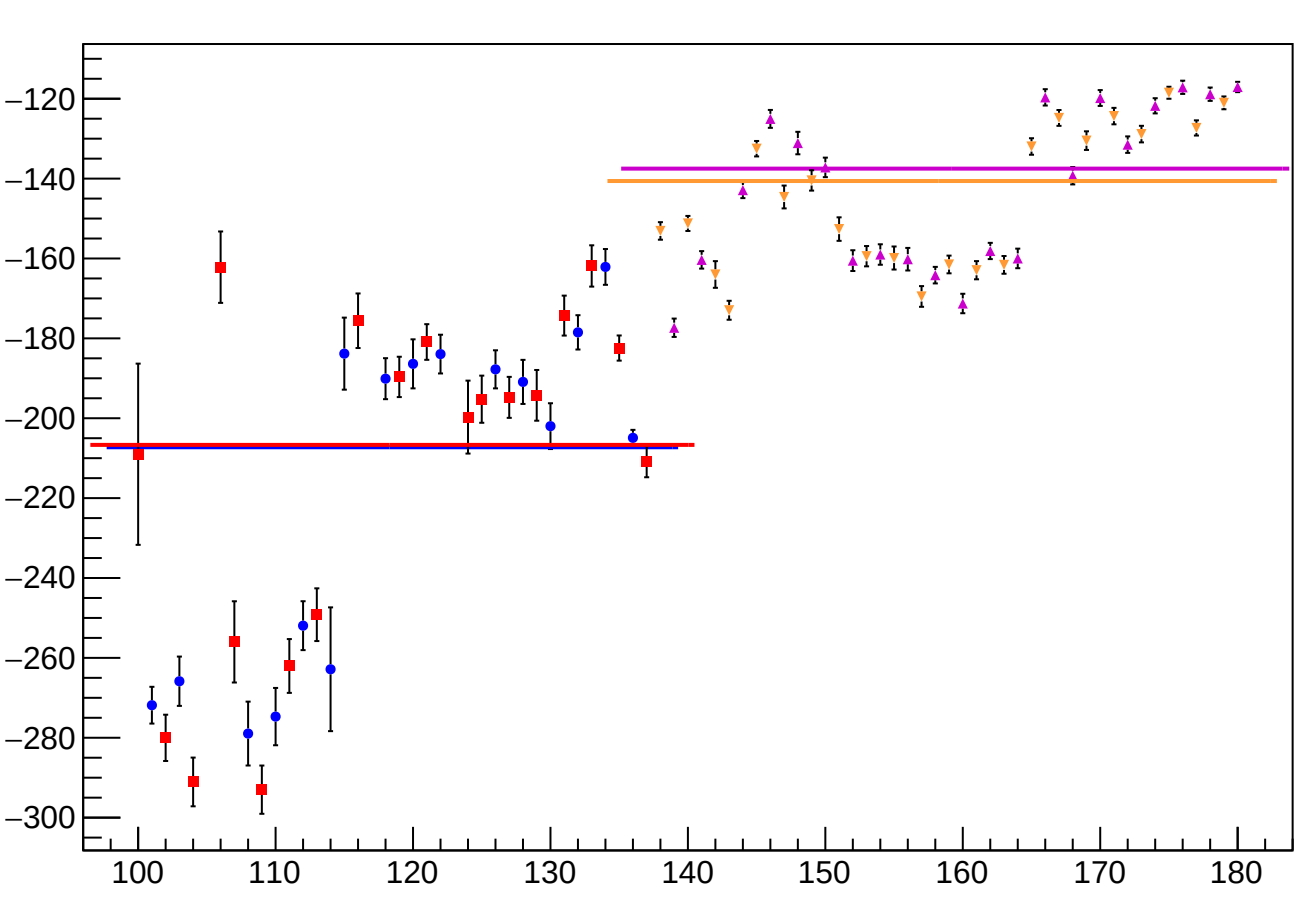
Left: -28.321+/-0.248 χ^2/NDF: 1924.8/42

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -30.406+/-0.335 χ^2/NDF:3597.0/36

Out: -29.644+/-0.335 χ^2/NDF:2523.3/40

All: -30.025+/-0.237 χ^2/NDF: 6122.9/77



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -140.604+/-0.462 χ^2/NDF:1441.1/21

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -137.501+/-0.451 χ^2/NDF:1971.0/20

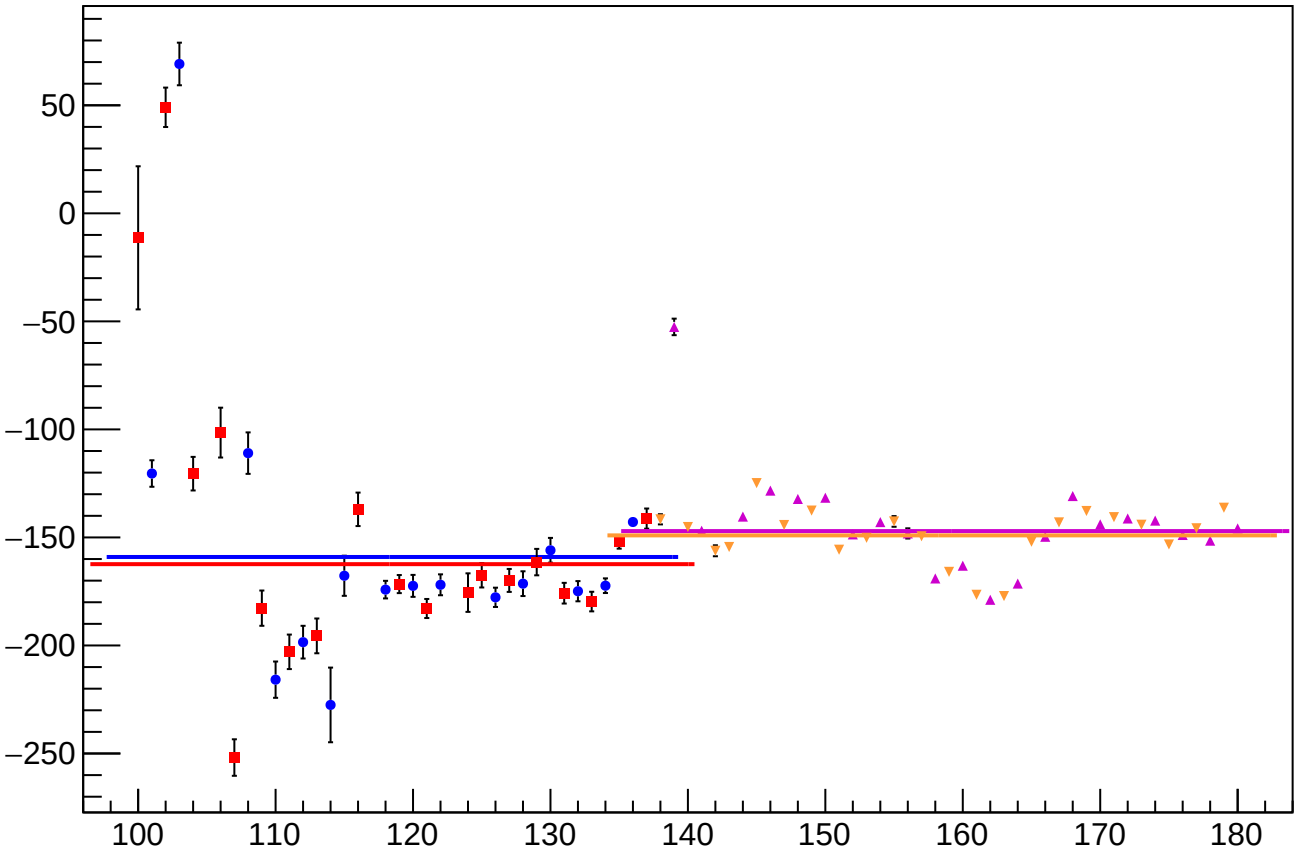
Left: -139.015+/-0.323 χ^2/NDF: 3435.1/42

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -146.421+/-0.421 χ^2/NDF:5776.7/36

Out: -148.226+/-0.435 χ^2/NDF:4769.4/40

All: -147.295+/-0.303 χ^2/NDF: 10555.0/77



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.053+/-0.393 χ^2/NDF:1063.5/21

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -147.066+/-0.392 χ^2/NDF:1721.1/20

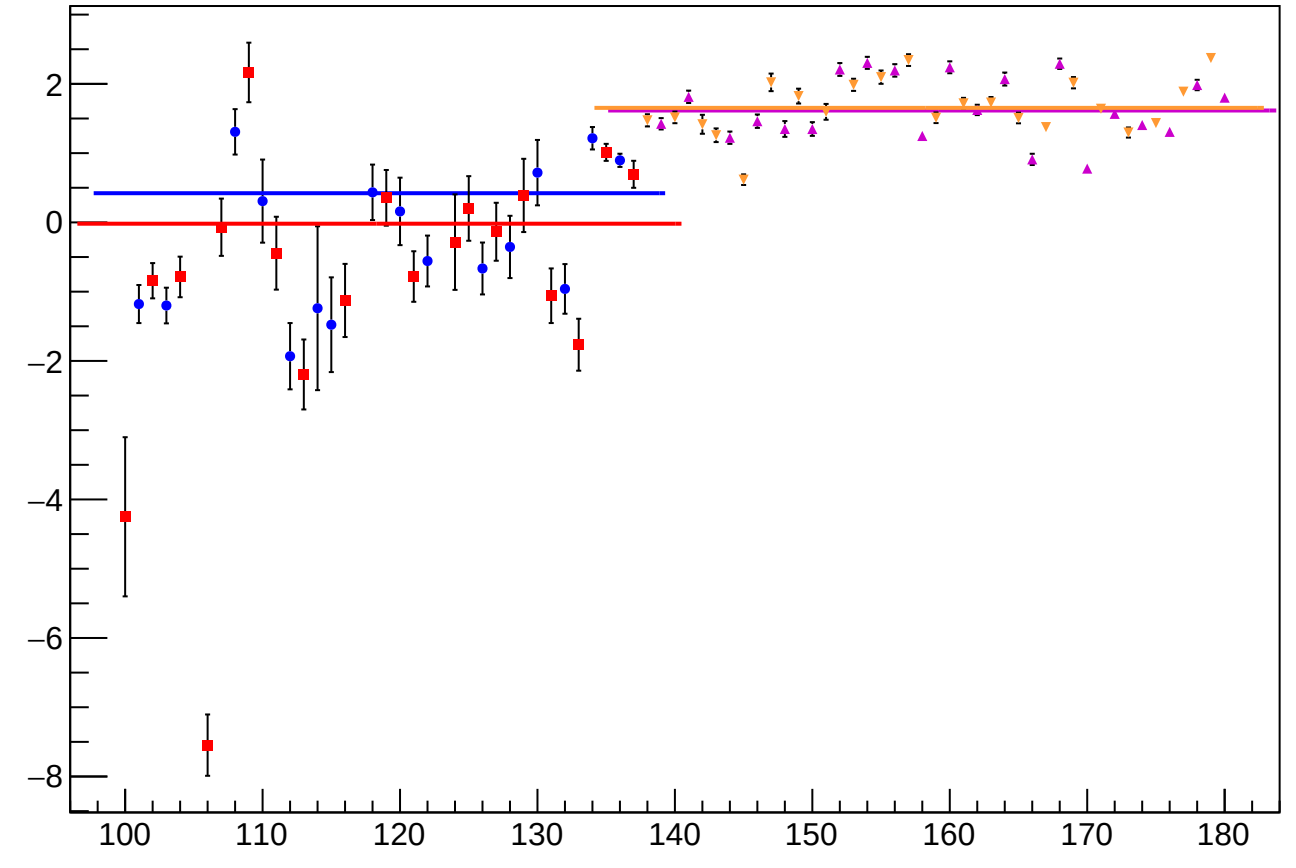
Left: -148.056+/-0.278 χ^2/NDF: 2797.3/42

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.179+/-0.373 χ^2/NDF:2623.6/36

Out: -150.132+/-0.377 χ^2/NDF:2029.0/40

All: -149.146+/-0.265 χ^2/NDF: 4666.1/77



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.654+/-0.018 χ^2/NDF:512.8/21

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.616+/-0.017 χ^2/NDF:663.2/20

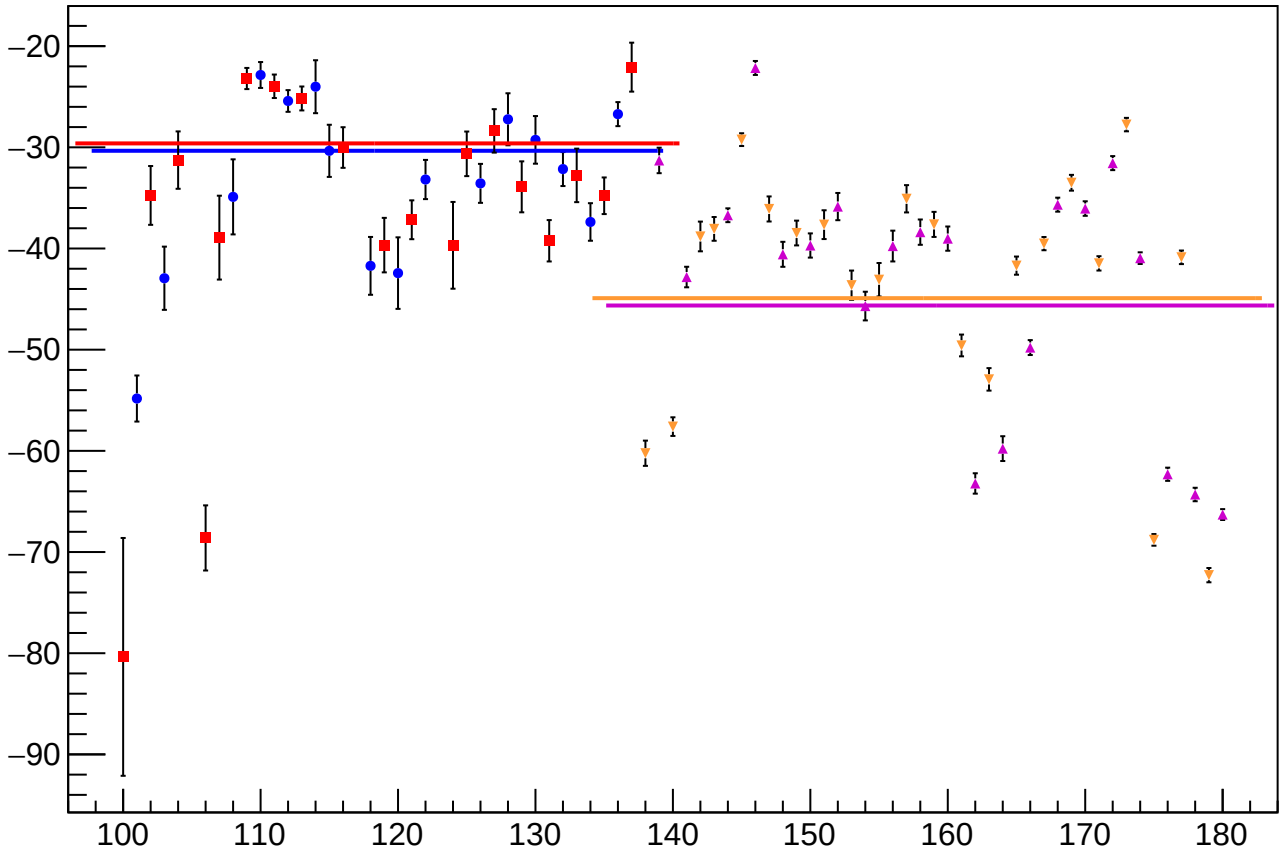
Left: 1.634+/-0.012 χ^2/NDF: 1178.3/42

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.536+/-0.017 χ^2/NDF:1177.5/36

Out: 1.559+/-0.017 χ^2/NDF:1505.7/40

All: 1.547+/-0.012 χ^2/NDF: 2684.2/77



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -44.909+/-0.190 χ^2/NDF:5512.6/21

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -45.634+/-0.180 χ^2/NDF:5889.7/20

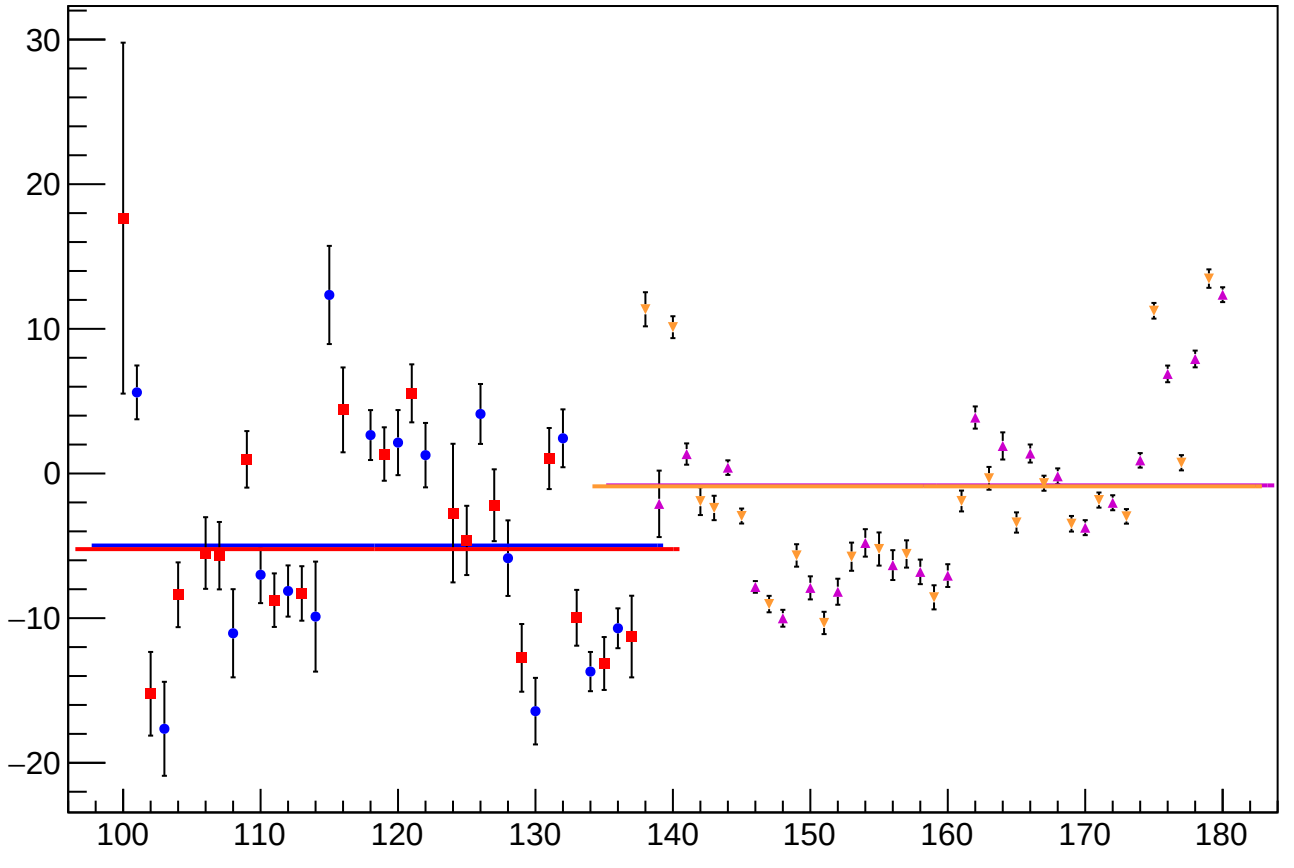
Left: -45.290+/-0.131 χ^2/NDF: 11410.0/42

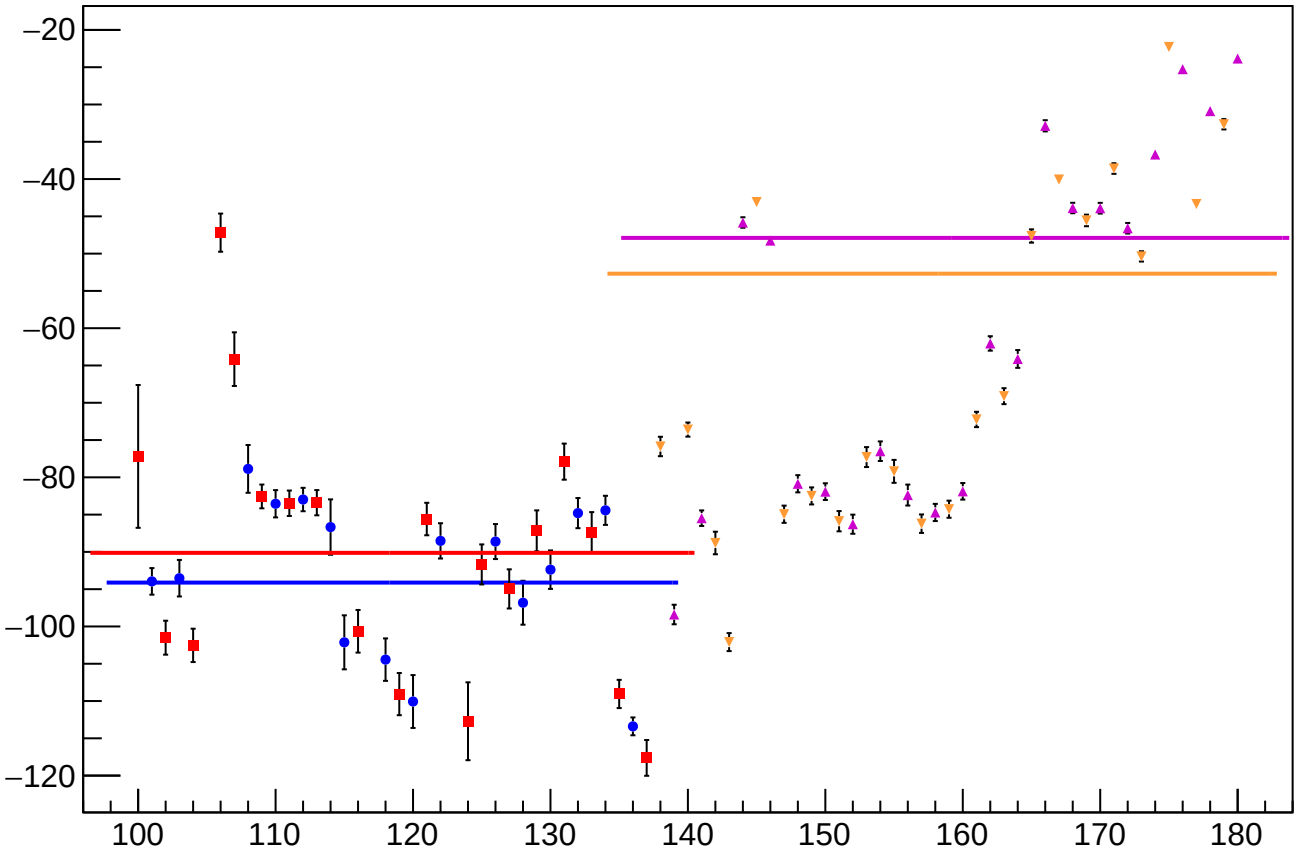
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

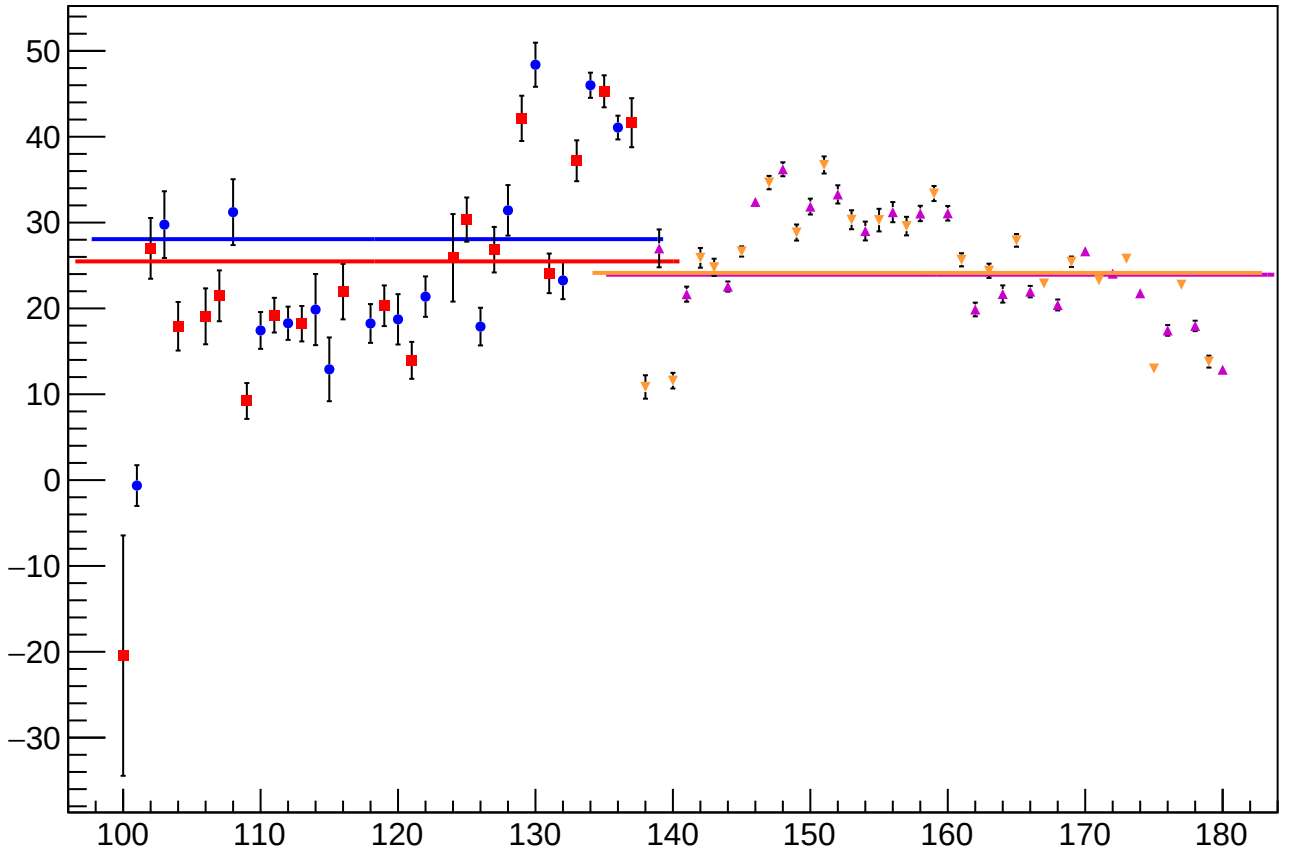
In: -43.653+/-0.168 χ^2/NDF:7073.5/36

Out: -42.603+/-0.175 χ^2/NDF:6821.0/40

All: -43.148+/-0.121 χ^2/NDF: 13913.1/77


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -0.887+/-0.142 χ²/NDF:1957.3/21
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -0.822+/-0.138 χ²/NDF:2041.3/20
Left: -0.853+/-0.099 χ²/NDF: 3998.7/42
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -1.104+/-0.133 χ²/NDF:2340.6/36
Out: -1.187+/-0.137 χ²/NDF:2157.7/40
All: -1.144+/-0.096 χ²/NDF: 4498.6/77


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -52.688+/-0.189 χ²/NDF:12723.3/21
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -47.890+/-0.180 χ²/NDF:13583.7/20
Left: -50.171+/-0.130 χ²/NDF: 26645.0/42
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -52.558+/-0.171 χ²/NDF:20711.4/36
Out: -56.735+/-0.179 χ²/NDF:17753.6/40
All: -54.552+/-0.123 χ²/NDF: 38751.2/77



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.137+/-0.160 χ^2/NDF:1525.3/21

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 23.926+/-0.155 χ^2/NDF:1594.5/20

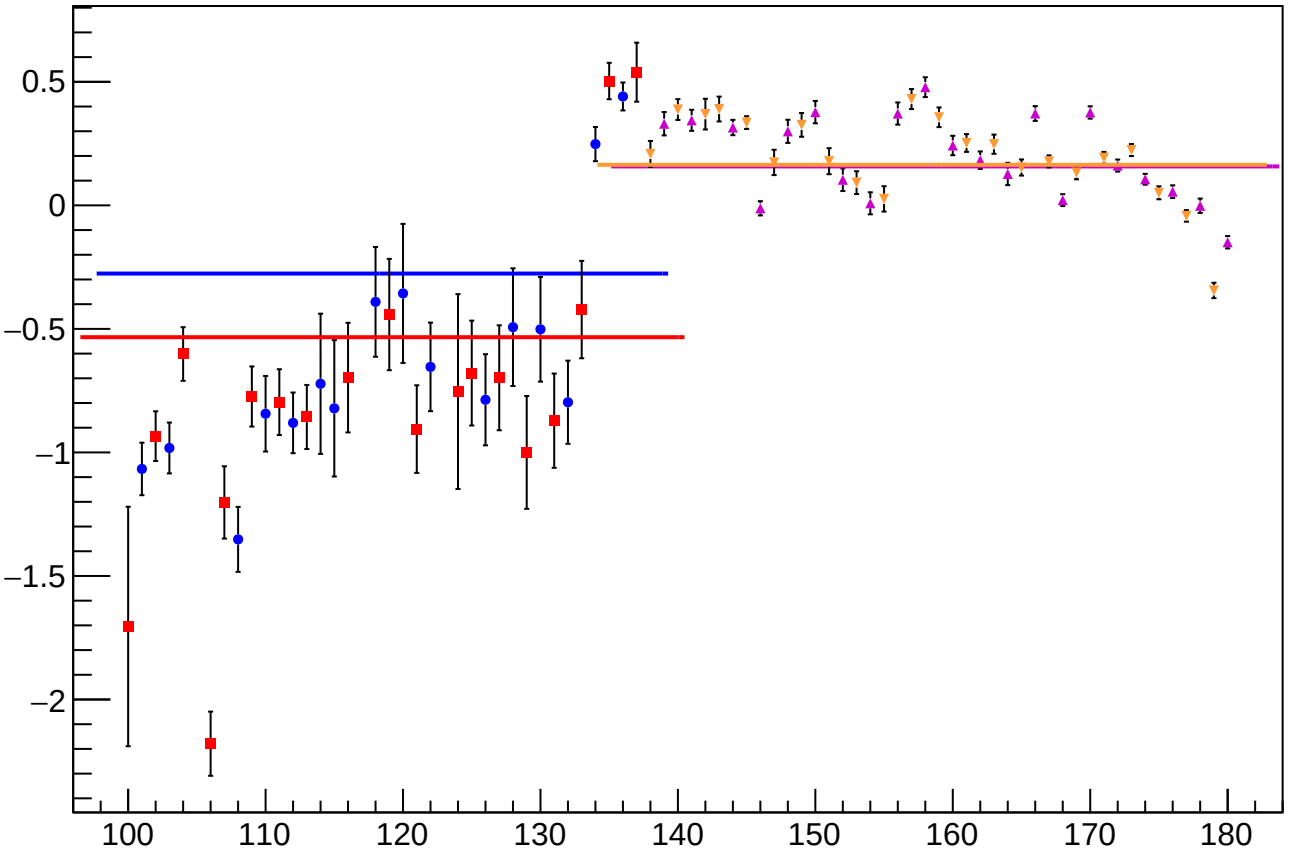
Left: 24.028+/-0.111 χ^2/NDF: 3120.6/42

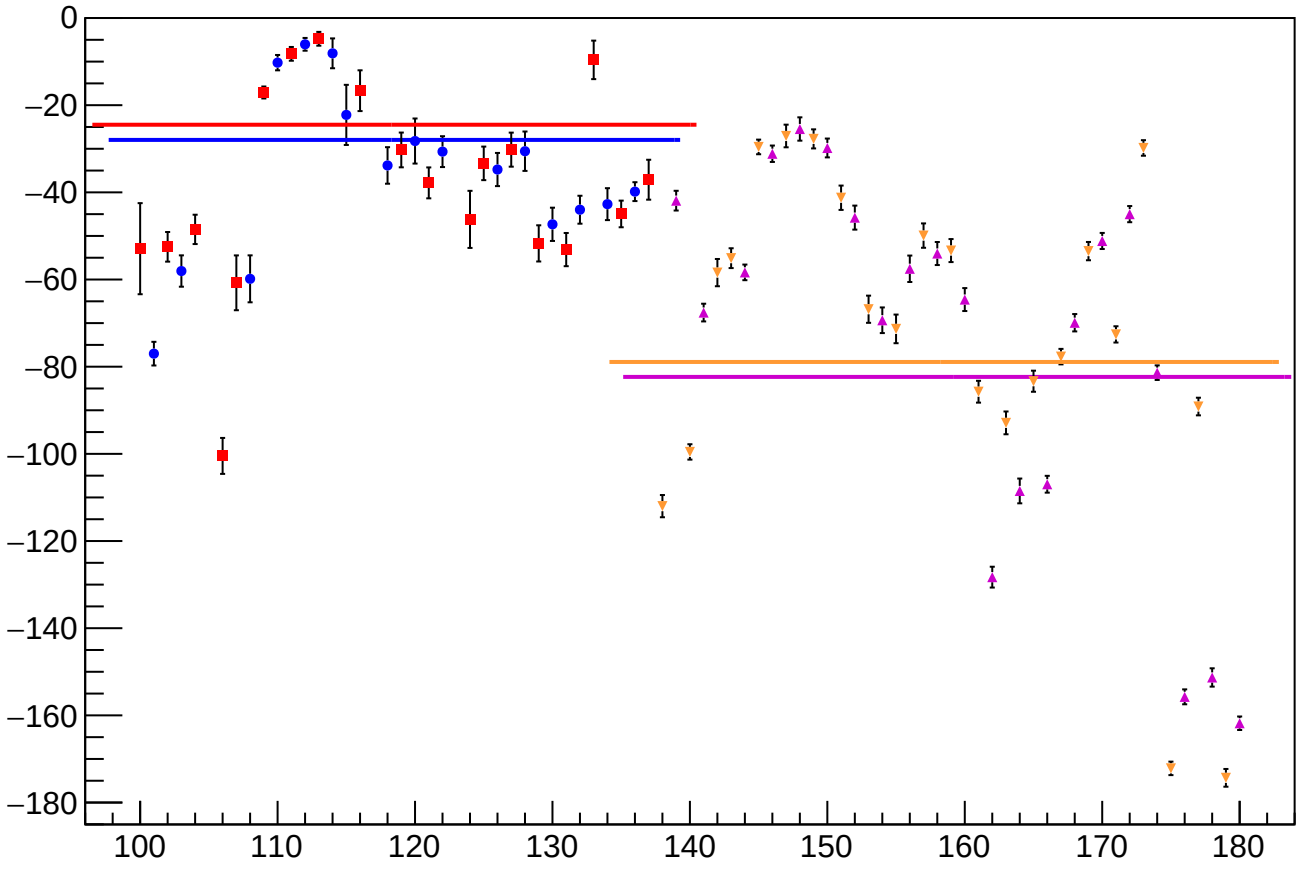
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 24.211+/-0.149 χ^2/NDF:2227.0/36

Out: 24.229+/-0.154 χ^2/NDF:1884.7/40

All: 24.220+/-0.107 χ^2/NDF: 4111.7/77


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.276+/-0.031 χ²/NDF: 455.6/15
Left Out: 0.164+/-0.007 χ²/NDF:574.3/21
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.158+/-0.007 χ²/NDF:591.0/20
Left: 0.161+/-0.005 χ²/NDF: 1165.7/42
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.136+/-0.007 χ²/NDF:1237.1/36
Out: 0.132+/-0.007 χ²/NDF:1515.1/40
All: 0.134+/-0.005 χ²/NDF: 2752.4/77



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -78.914+/-0.466 χ^2/NDF:9486.2/21

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -82.343+/-0.458 χ^2/NDF:9650.1/20

Left: -80.660+/-0.327 χ^2/NDF: 19163.8/42

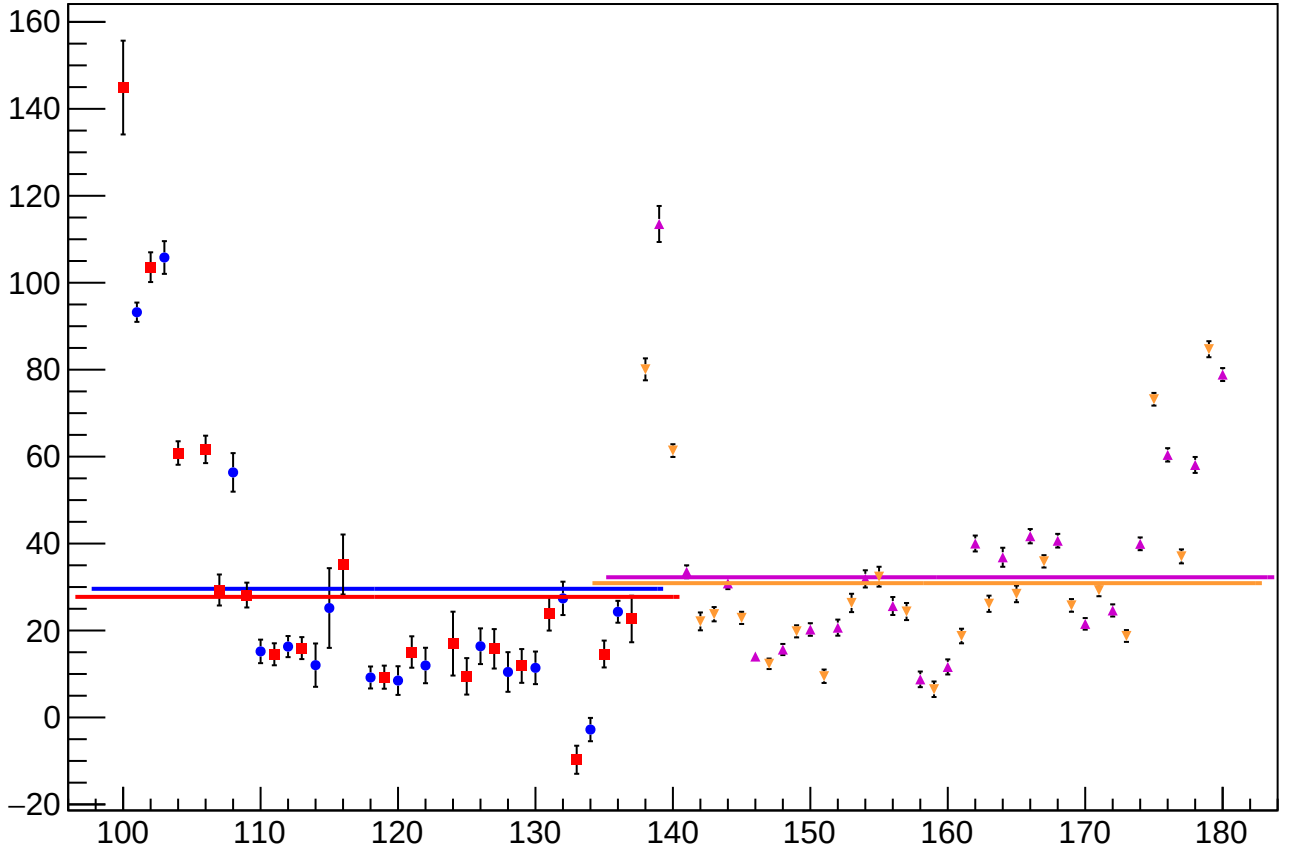
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -66.924+/-0.387 χ^2/NDF:14546.2/36

Out: -60.903+/-0.381 χ^2/NDF:14987.2/40

All: -63.865+/-0.272 χ^2/NDF: 29656.0/77

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 30.893+/-0.344 χ^2/NDF:3448.6/21

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 32.252+/-0.346 χ^2/NDF:2954.1/20

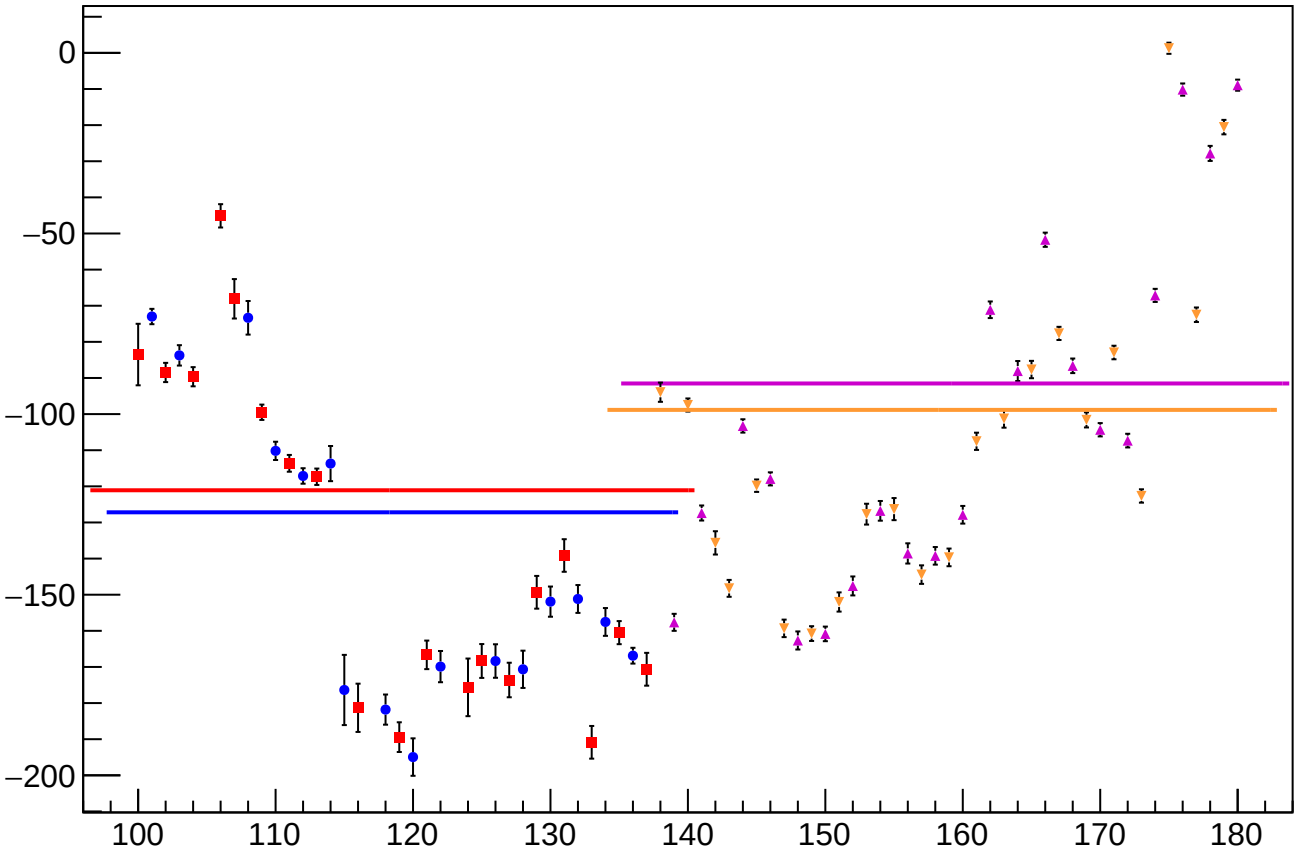
Left: 31.569+/-0.244 χ^2/NDF: 6410.5/42

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 31.839+/-0.318 χ^2/NDF:4629.0/36

Out: 30.397+/-0.316 χ^2/NDF:4647.0/40

All: 31.113+/-0.224 χ^2/NDF: 9286.3/77



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -98.833+/-0.462 χ^2/NDF:9756.4/21

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -91.521+/-0.454 χ^2/NDF:11753.7/20

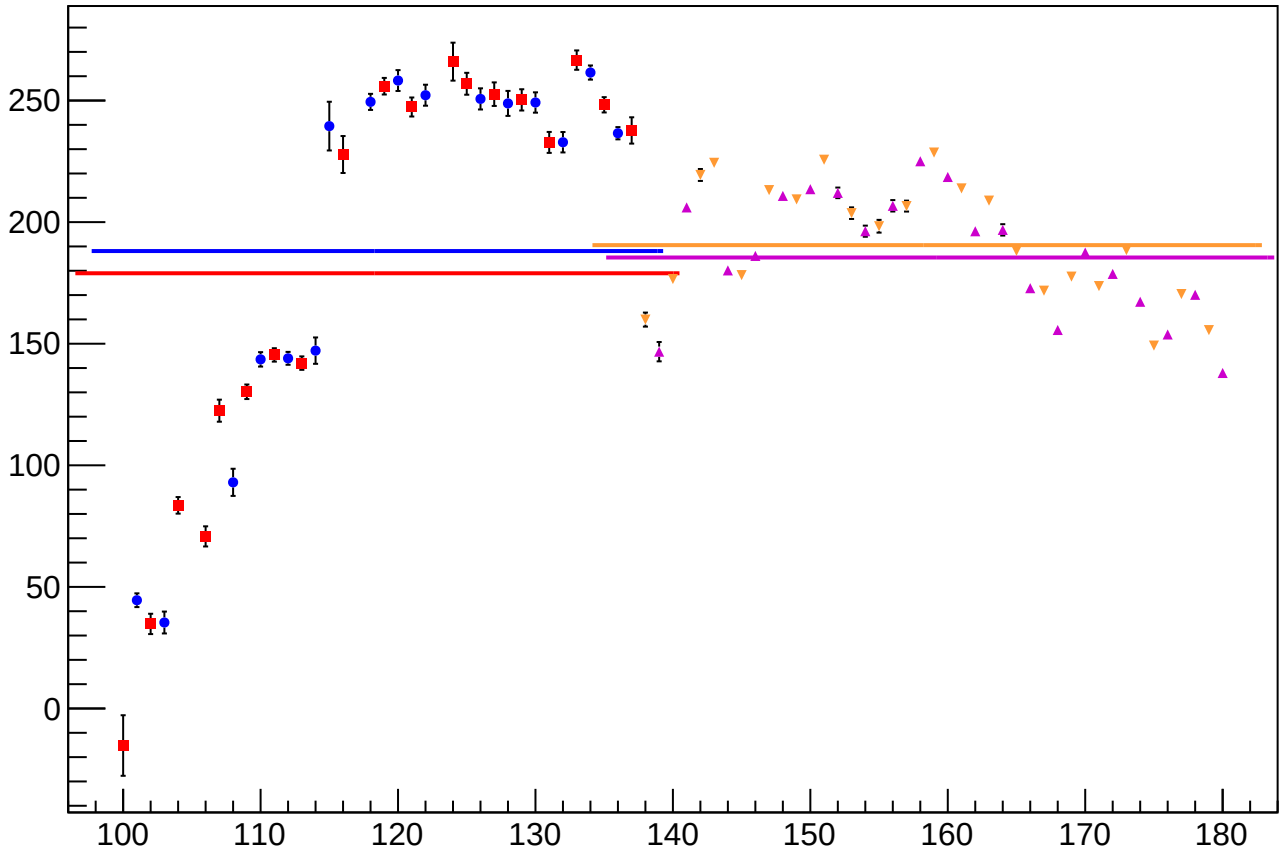
Left: -95.111+/-0.324 χ^2/NDF: 21637.7/42

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -99.738+/-0.398 χ^2/NDF:15355.5/36

Out: -104.424+/-0.400 χ^2/NDF:12736.5/40

All: -102.071+/-0.282 χ^2/NDF: 28160.9/77



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 190.539+/-0.391 χ^2/NDF:3565.4/21

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 185.451+/-0.390 χ^2/NDF:3598.5/20

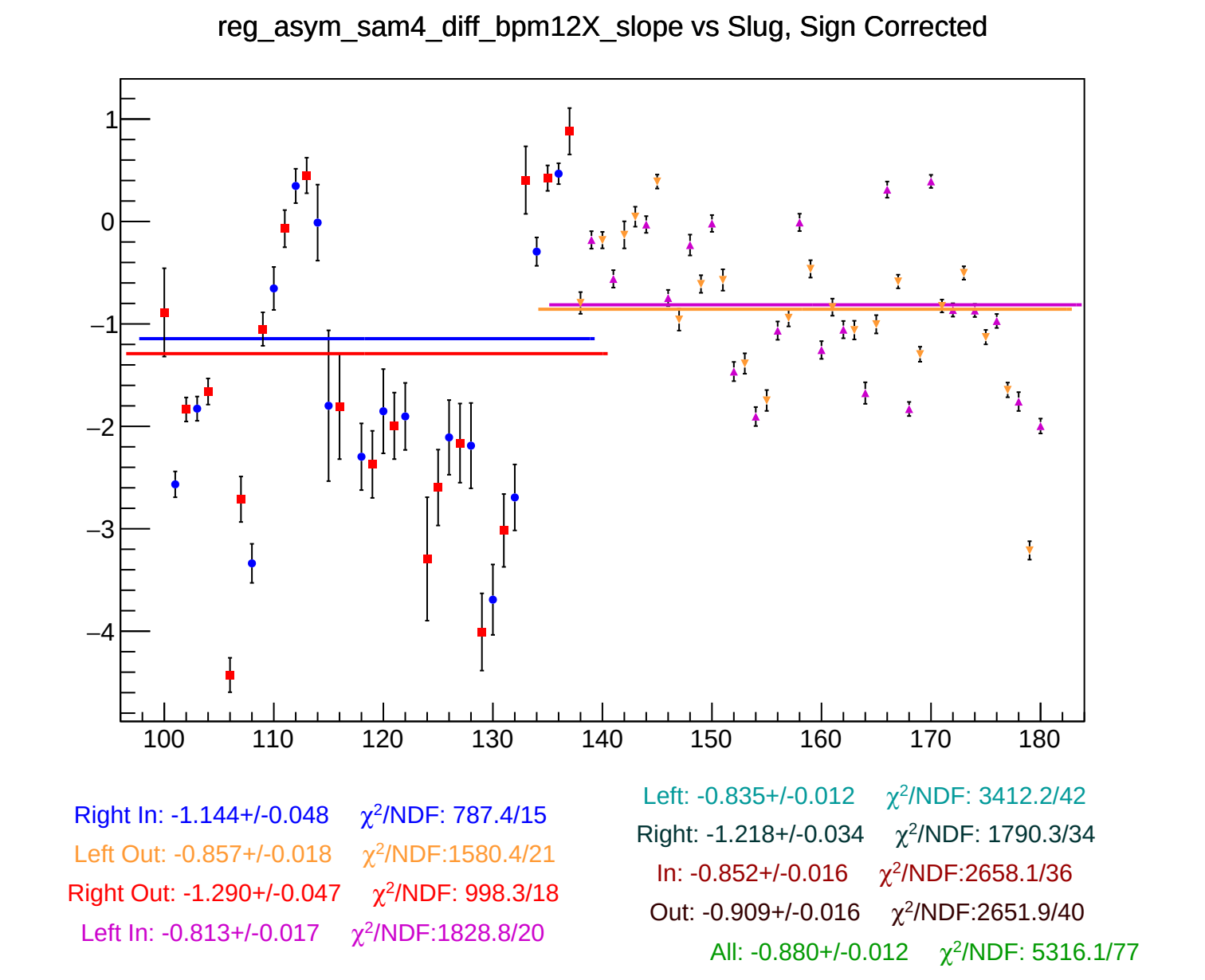
Left: 187.994+/-0.276 χ^2/NDF: 7248.8/42

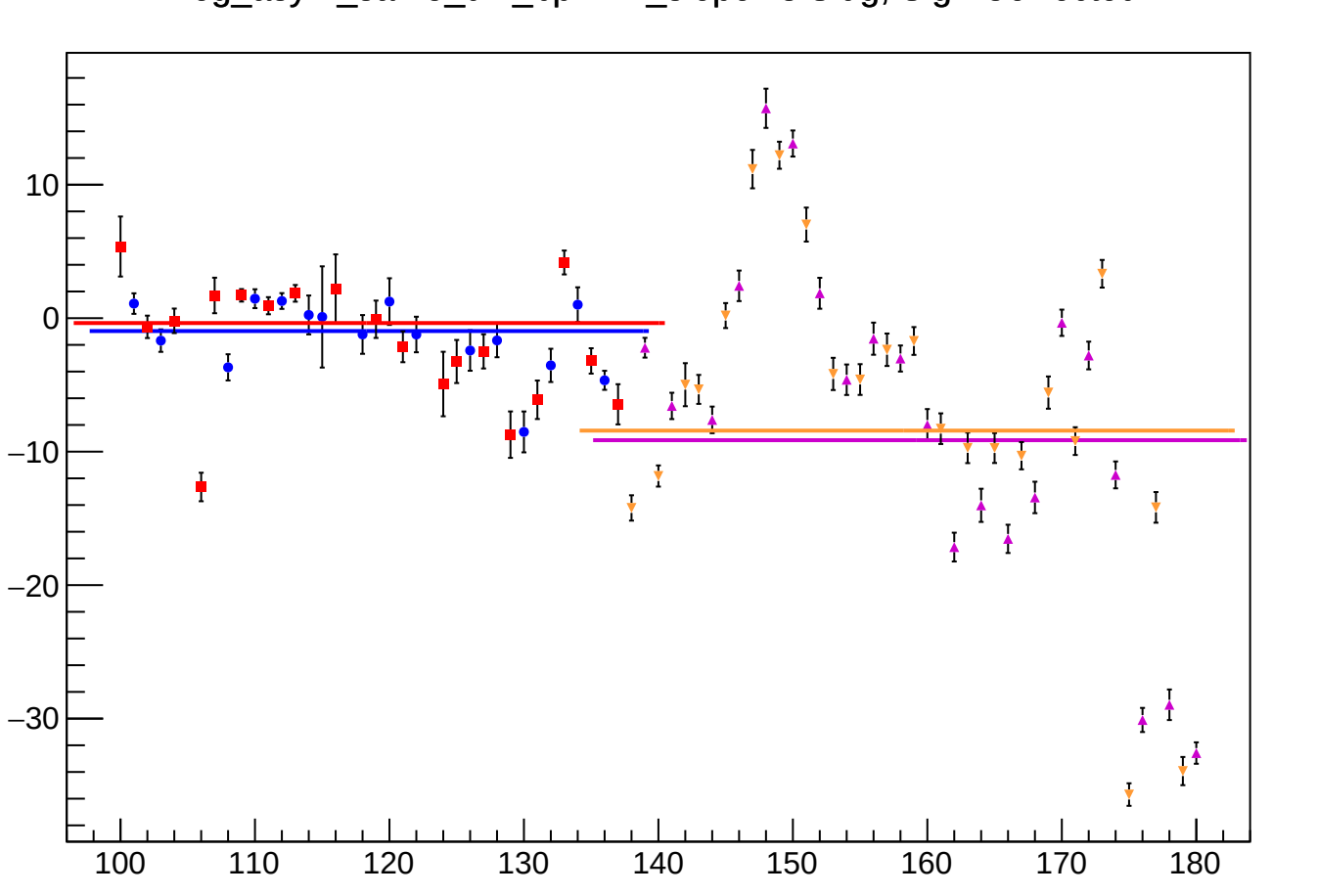
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 185.858+/-0.359 χ^2/NDF:10724.3/36

Out: 188.732+/-0.359 χ^2/NDF:10371.1/40

All: 187.297+/-0.254 χ^2/NDF: 21127.4/77


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -1.144+/-0.048 χ²/NDF: 787.4/15
Left Out: -0.857+/-0.018 χ²/NDF:1580.4/21
Right Out: -1.290+/-0.047 χ²/NDF: 998.3/18
Left In: -0.813+/-0.017 χ²/NDF:1828.8/20
Left: -0.835+/-0.012 χ²/NDF: 3412.2/42
Right: -1.218+/-0.034 χ²/NDF: 1790.3/34
In: -0.852+/-0.016 χ²/NDF:2658.1/36
Out: -0.909+/-0.016 χ²/NDF:2651.9/40
All: -0.880+/-0.012 χ²/NDF: 5316.1/77



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -8.423+/-0.229 χ^2/NDF:2785.1/21

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -9.142+/-0.225 χ^2/NDF:3138.5/20

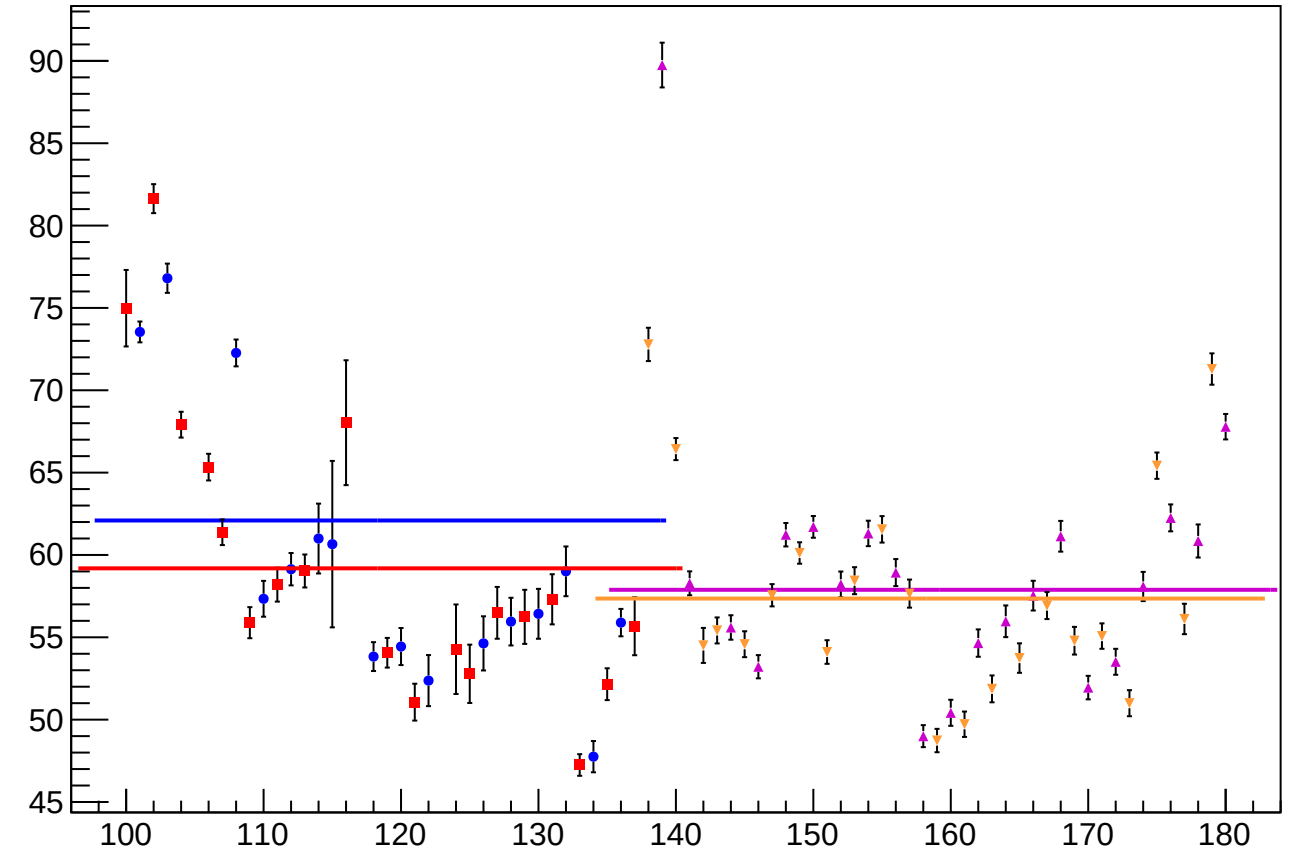
Left: -8.788+/-0.161 χ^2/NDF: 5928.6/42

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -5.527+/-0.168 χ^2/NDF:3823.7/36

Out: -4.301+/-0.160 χ^2/NDF:3699.3/40

All: -4.883+/-0.116 χ^2/NDF: 7550.8/77



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.353+/-0.170 χ^2/NDF:1217.7/21

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.885+/-0.174 χ^2/NDF:1279.1/20

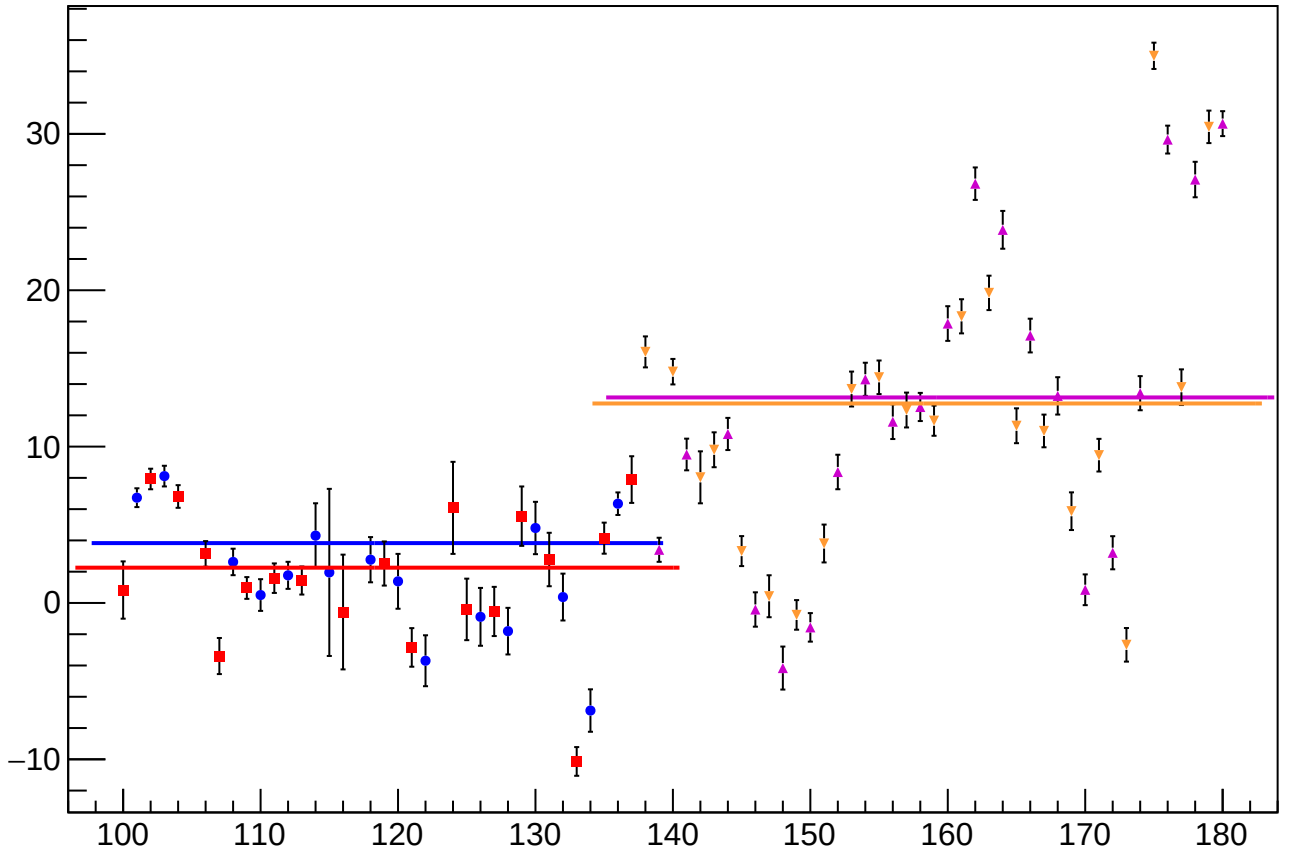
Left: 57.613+/-0.122 χ^2/NDF: 2501.6/42

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.149+/-0.145 χ^2/NDF:2756.4/36

Out: 57.953+/-0.139 χ^2/NDF:2658.0/40

All: 58.525+/-0.101 χ^2/NDF: 5449.6/77



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 12.758+/-0.226 χ^2/NDF:1788.3/21

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 13.144+/-0.222 χ^2/NDF:2274.5/20

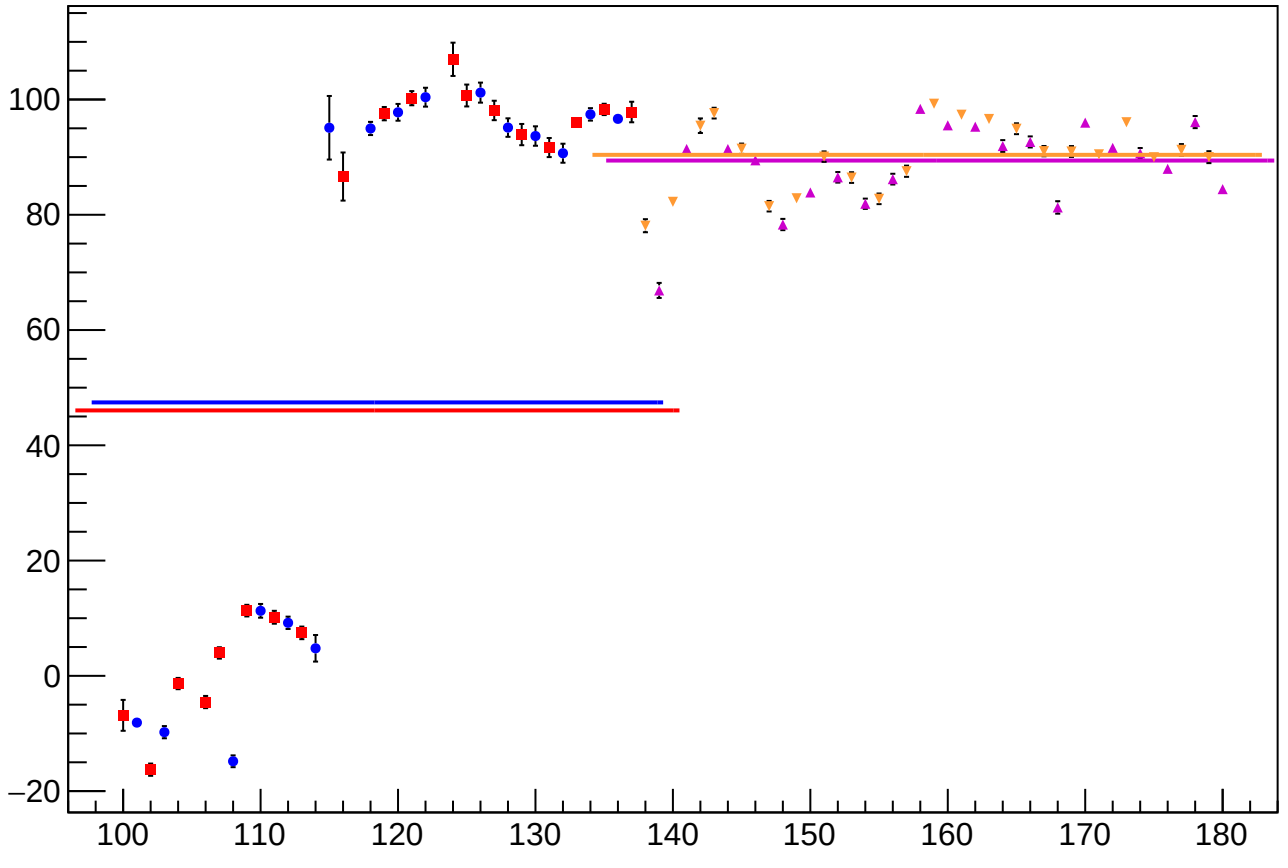
Left: 12.954+/-0.158 χ^2/NDF: 4064.3/42

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 9.306+/-0.170 χ^2/NDF:3208.3/36

Out: 7.969+/-0.166 χ^2/NDF:3147.7/40

All: 8.622+/-0.119 χ^2/NDF: 6387.6/77



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.398+/-0.192 χ^2/NDF:918.5/21

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.407+/-0.194 χ^2/NDF:1078.3/20

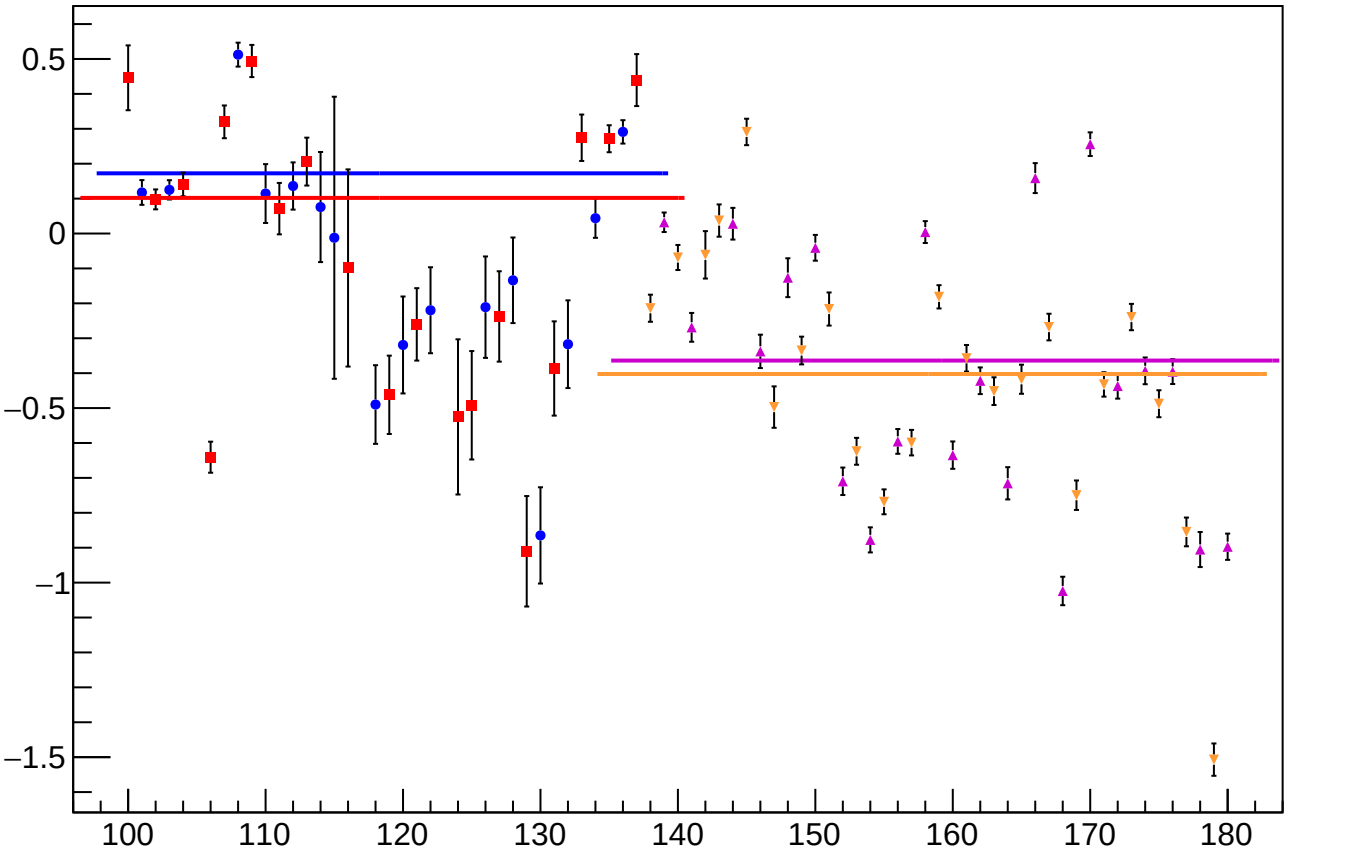
Left: 89.908+/-0.137 χ^2/NDF: 2009.9/42

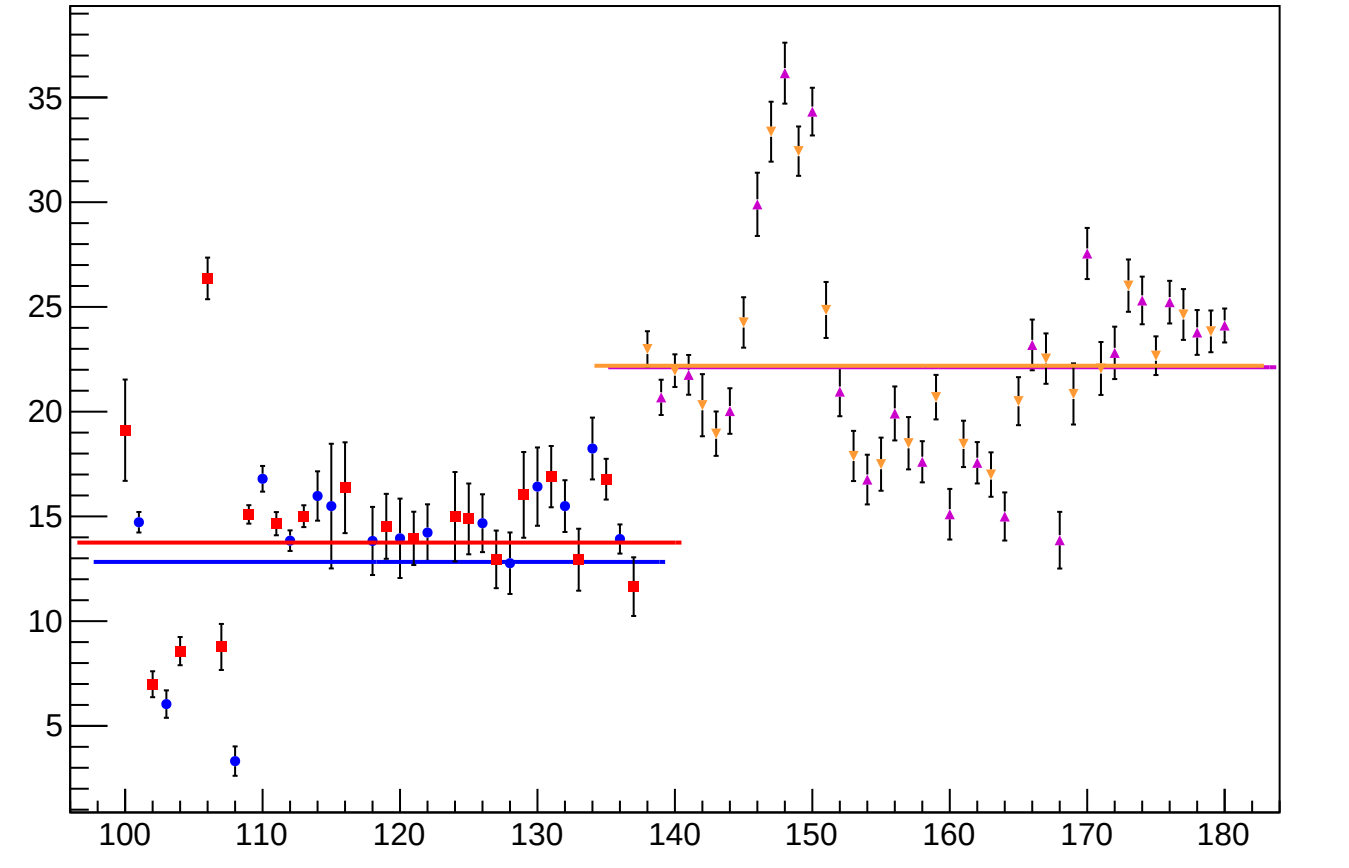
Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 77.460+/-0.164 χ^2/NDF:41238.3/36

Out: 76.503+/-0.159 χ^2/NDF:46506.6/40

All: 76.966+/-0.114 χ^2/NDF: 87762.4/77


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: 0.172+/-0.014 χ²/NDF: 265.0/15
Left Out: -0.402+/-0.009 χ²/NDF:1590.6/21
Right Out: 0.102+/-0.013 χ²/NDF: 558.7/18
Left In: -0.364+/-0.008 χ²/NDF:2013.3/20
Left: -0.383+/-0.006 χ²/NDF: 3614.2/42
Right: 0.135+/-0.010 χ²/NDF: 836.7/34
In: -0.225+/-0.007 χ²/NDF:3341.8/36
Out: -0.257+/-0.007 χ²/NDF:3151.2/40
All: -0.241+/-0.005 χ²/NDF: 6503.2/77



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.192+/-0.239 χ^2/NDF:247.7/21

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.120+/-0.241 χ^2/NDF:463.9/20

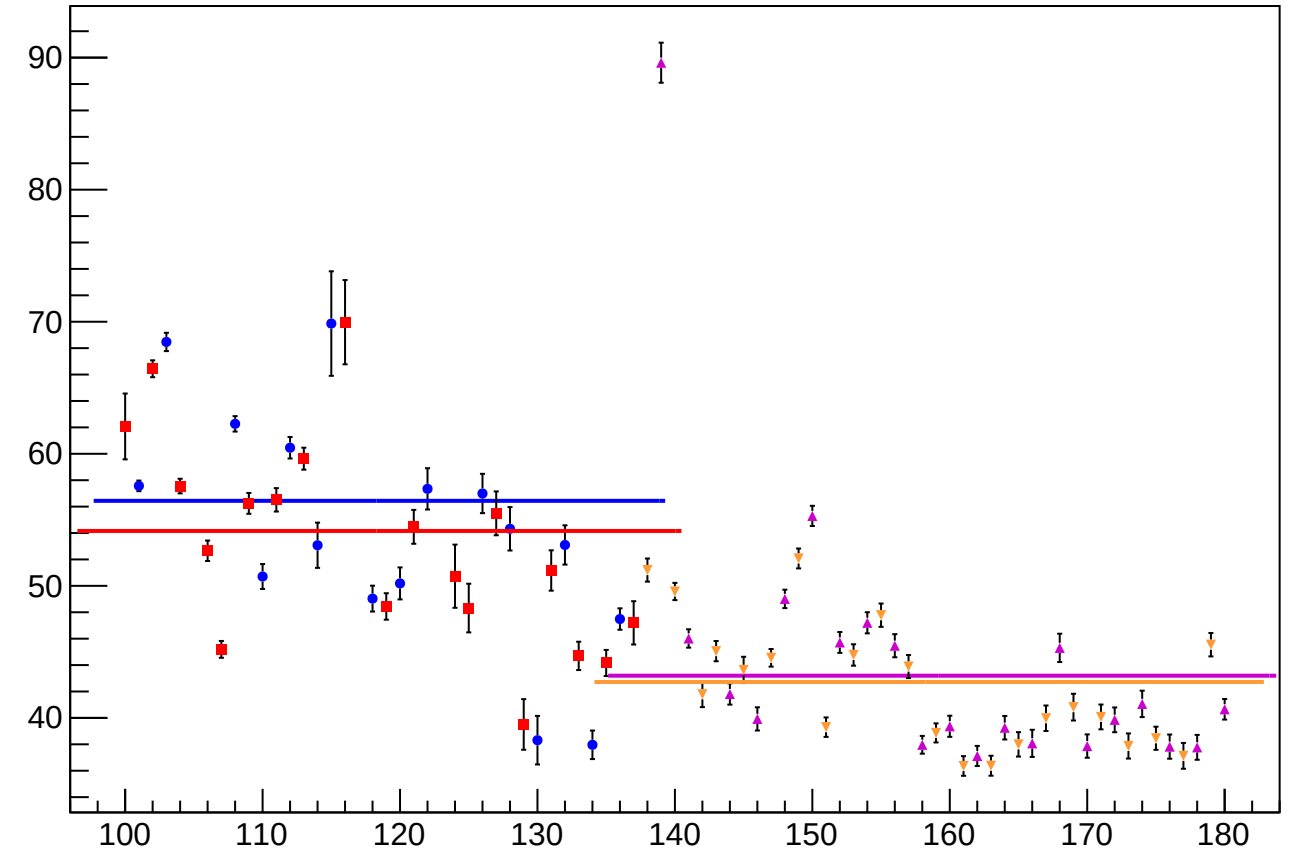
Left: 22.156+/-0.170 χ^2/NDF: 711.7/42

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.931+/-0.160 χ^2/NDF:1684.3/36

Out: 17.302+/-0.155 χ^2/NDF:1371.3/40

All: 17.122+/-0.111 χ^2/NDF: 3058.4/77



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.722+/-0.177 χ^2/NDF:750.1/21

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.197+/-0.184 χ^2/NDF:1658.4/20

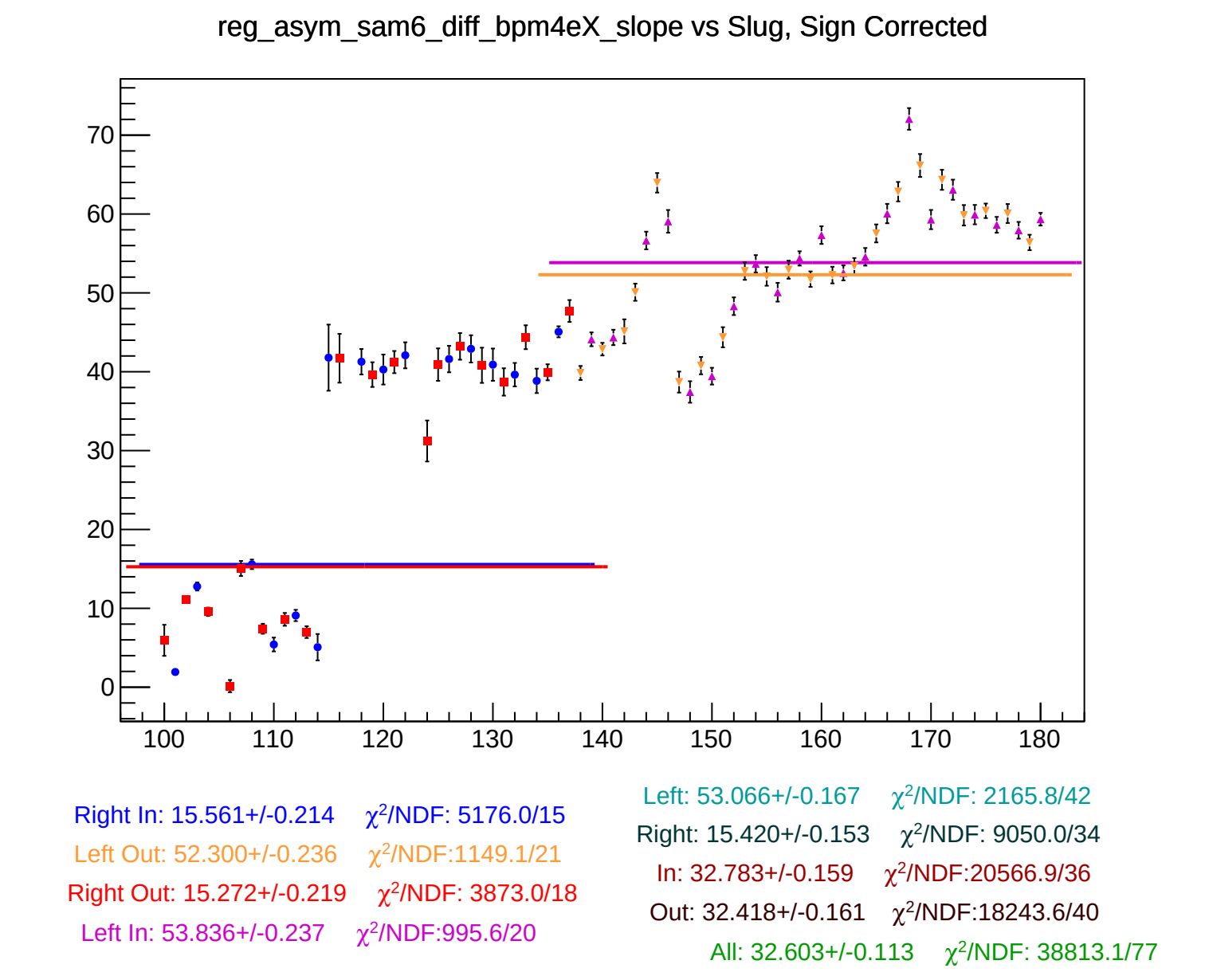
Left: 42.950+/-0.128 χ^2/NDF: 2411.9/42

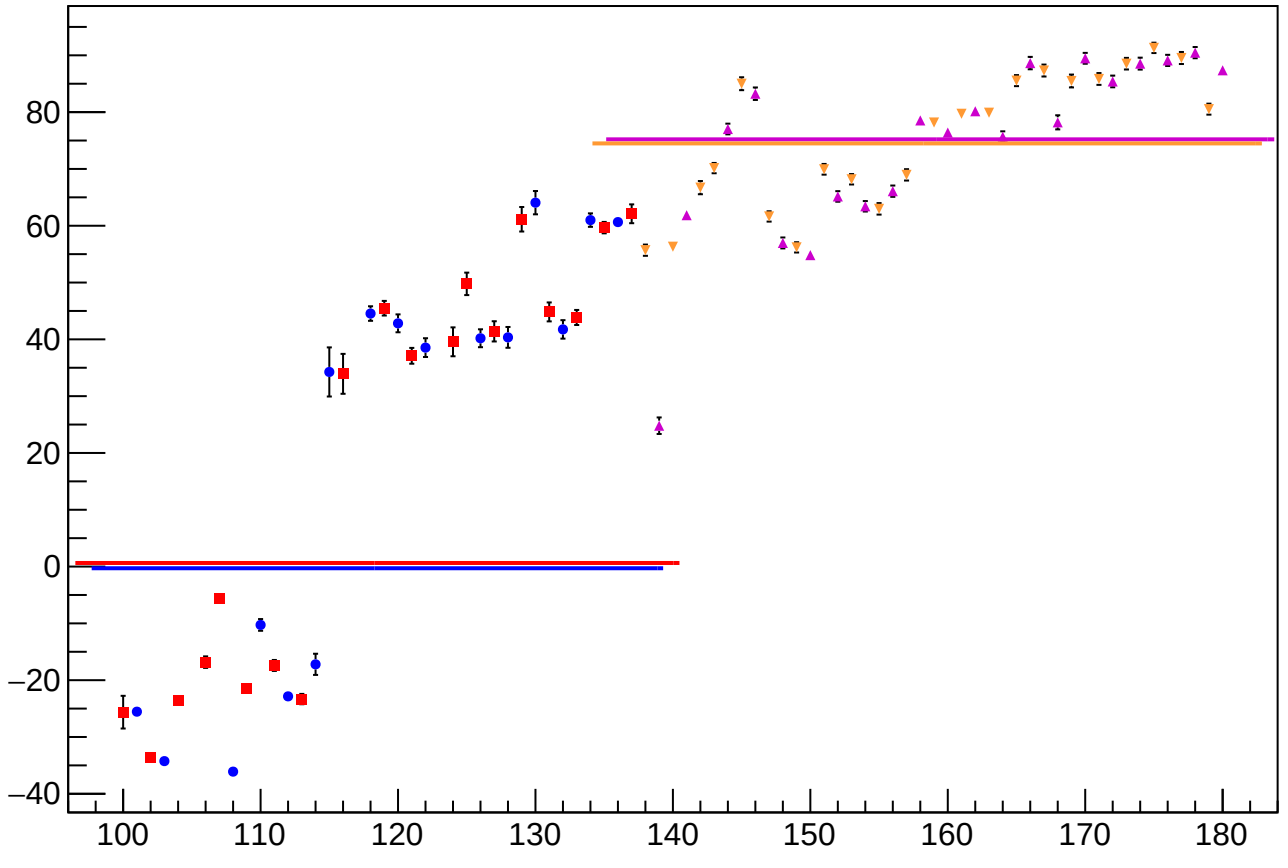
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.594+/-0.142 χ^2/NDF:4857.3/36

Out: 47.102+/-0.139 χ^2/NDF:3356.7/40

All: 47.834+/-0.099 χ^2/NDF: 8270.5/77


reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 15.561+/-0.214 χ²/NDF: 5176.0/15
Left Out: 52.300+/-0.236 χ²/NDF:1149.1/21
Right Out: 15.272+/-0.219 χ²/NDF: 3873.0/18
Left In: 53.836+/-0.237 χ²/NDF:995.6/20
Left: 53.066+/-0.167 χ²/NDF: 2165.8/42
Right: 15.420+/-0.153 χ²/NDF: 9050.0/34
In: 32.783+/-0.159 χ²/NDF:20566.9/36
Out: 32.418+/-0.161 χ²/NDF:18243.6/40
All: 32.603+/-0.113 χ²/NDF: 38813.1/77



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.492+/-0.201 χ^2/NDF:3264.6/21

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 75.209+/-0.206 χ^2/NDF:4130.1/20

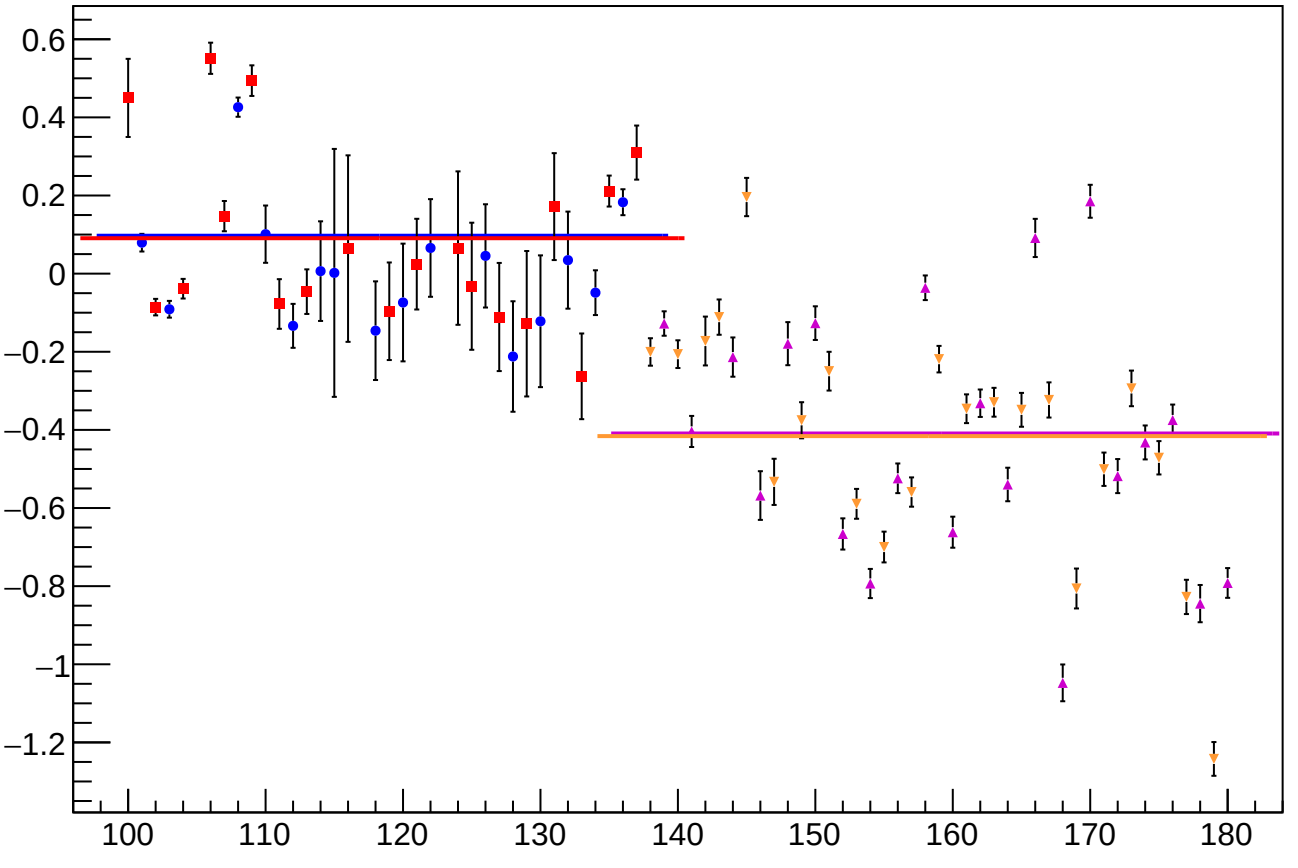
Left: 74.841+/-0.144 χ^2/NDF: 7400.9/42

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 46.308+/-0.162 χ^2/NDF:76658.7/36

Out: 47.376+/-0.160 χ^2/NDF:68974.2/40

All: 46.849+/-0.114 χ^2/NDF: 145655.0/77



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.416+/-0.009 χ^2/NDF:966.6/21

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.409+/-0.009 χ^2/NDF:1192.9/20

Left: -0.413+/-0.006 χ^2/NDF: 2159.8/42

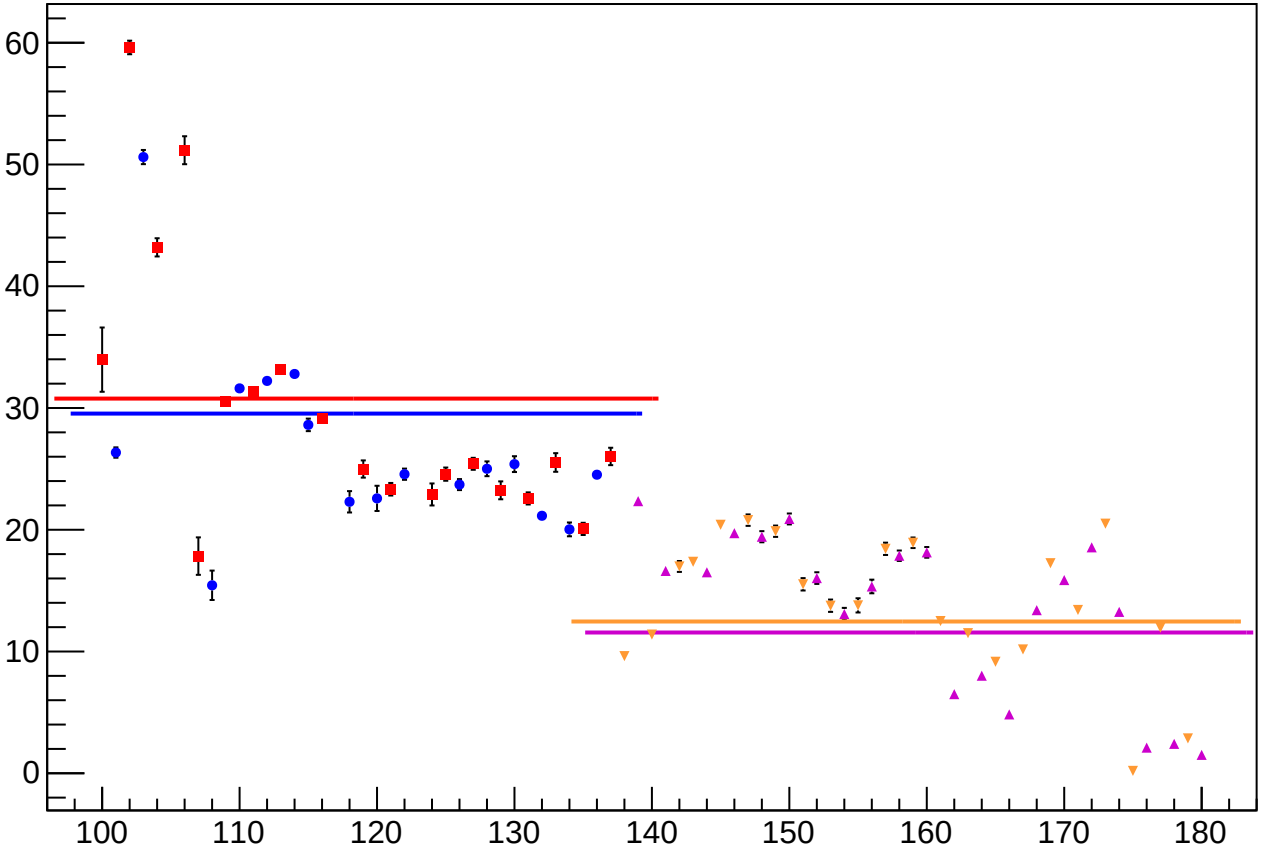
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.212+/-0.007 χ^2/NDF:2735.4/36

Out: -0.221+/-0.007 χ^2/NDF:2583.2/40

All: -0.217+/-0.005 χ^2/NDF: 5319.5/77

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 12.465+/-0.074 χ^2/NDF:7203.6/21

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 11.561+/-0.072 χ^2/NDF:9599.8/20

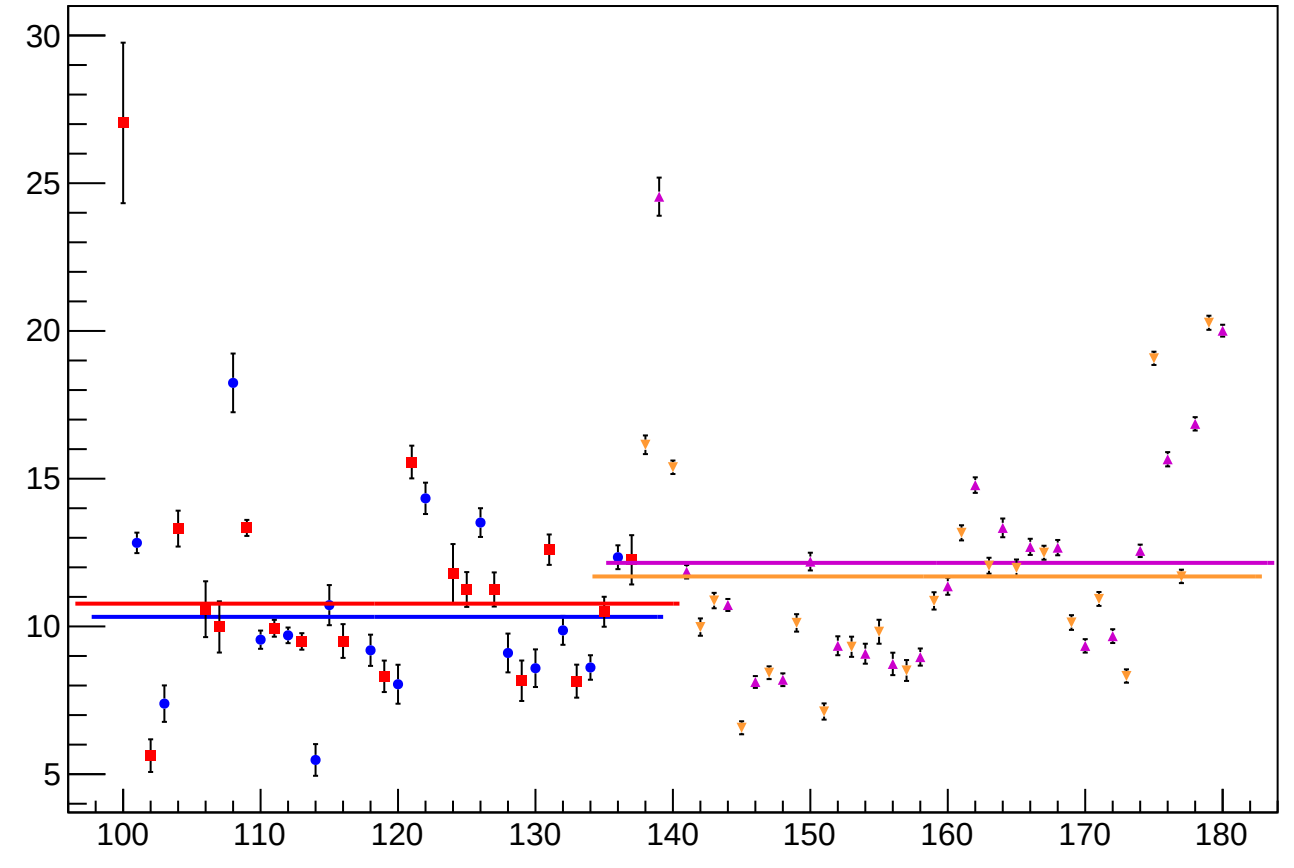
Left: 12.000+/-0.052 χ^2/NDF: 16880.1/42

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 18.388+/-0.057 χ^2/NDF:36690.4/36

Out: 20.884+/-0.054 χ^2/NDF:40467.5/40

All: 19.688+/-0.039 χ^2/NDF: 78169.2/77



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.691+/-0.055 χ^2/NDF:4423.0/21

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 12.151+/-0.055 χ^2/NDF:4092.3/20

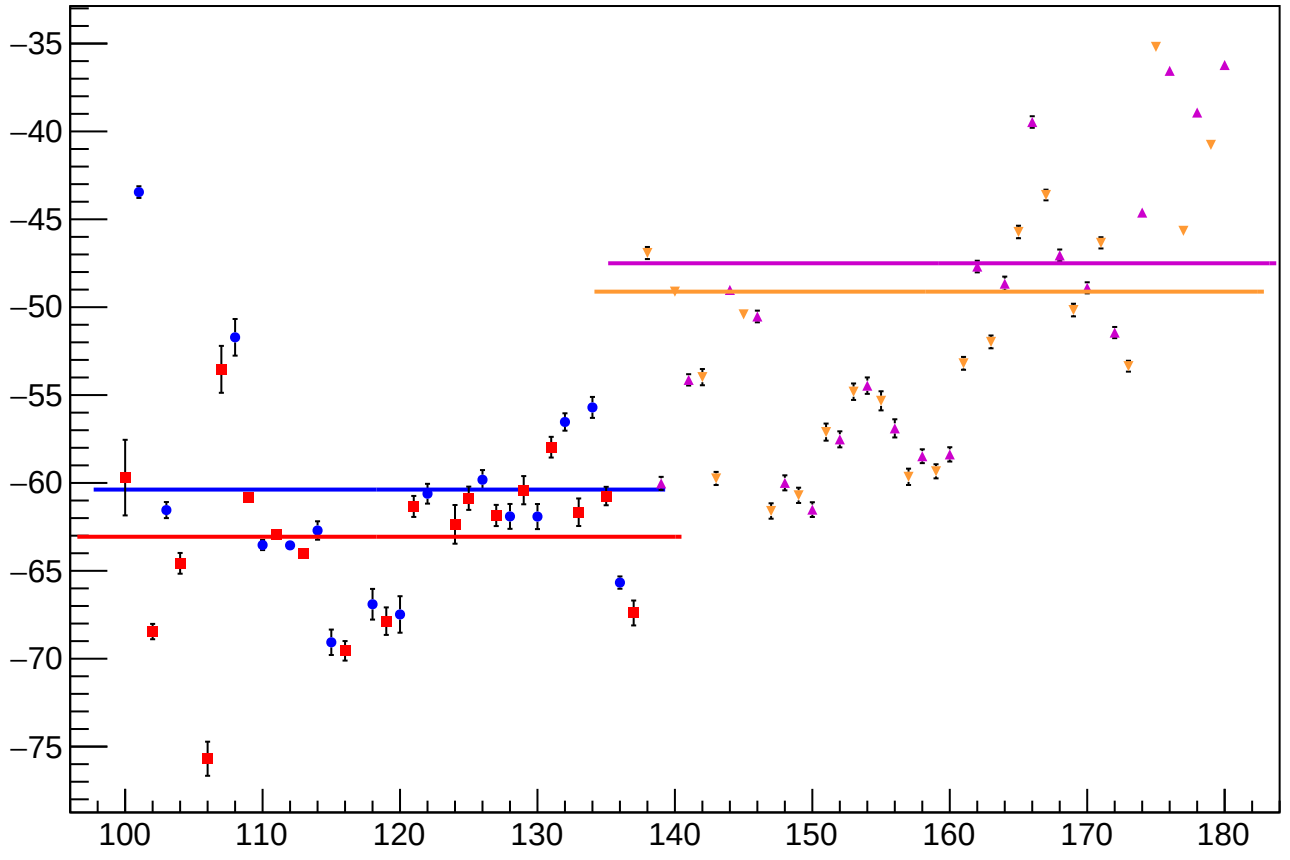
Left: 11.921+/-0.039 χ^2/NDF: 8549.9/42

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 11.803+/-0.050 χ^2/NDF:4703.1/36

Out: 11.513+/-0.050 χ^2/NDF:4892.3/40

All: 11.658+/-0.035 χ^2/NDF: 9612.4/77



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -49.116+/-0.074 χ^2/NDF:9638.3/21

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -47.502+/-0.072 χ^2/NDF:12760.2/20

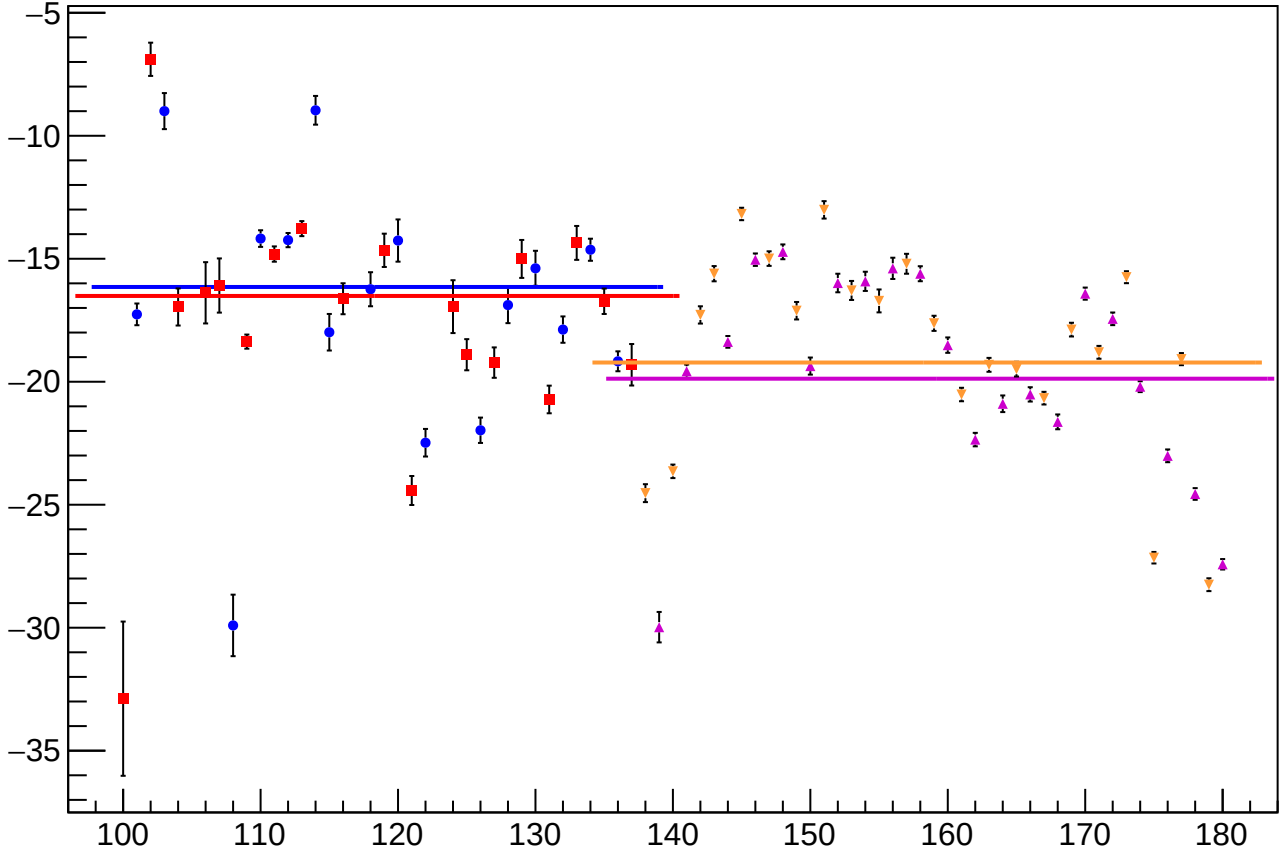
Left: -48.286+/-0.051 χ^2/NDF: 22645.6/42

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -51.188+/-0.060 χ^2/NDF:25622.8/36

Out: -53.579+/-0.061 χ^2/NDF:21978.1/40

All: -52.379+/-0.043 χ^2/NDF: 48380.0/77



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -19.219+/-0.063 χ^2/NDF:4589.5/21

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -19.876+/-0.062 χ^2/NDF:3709.1/20

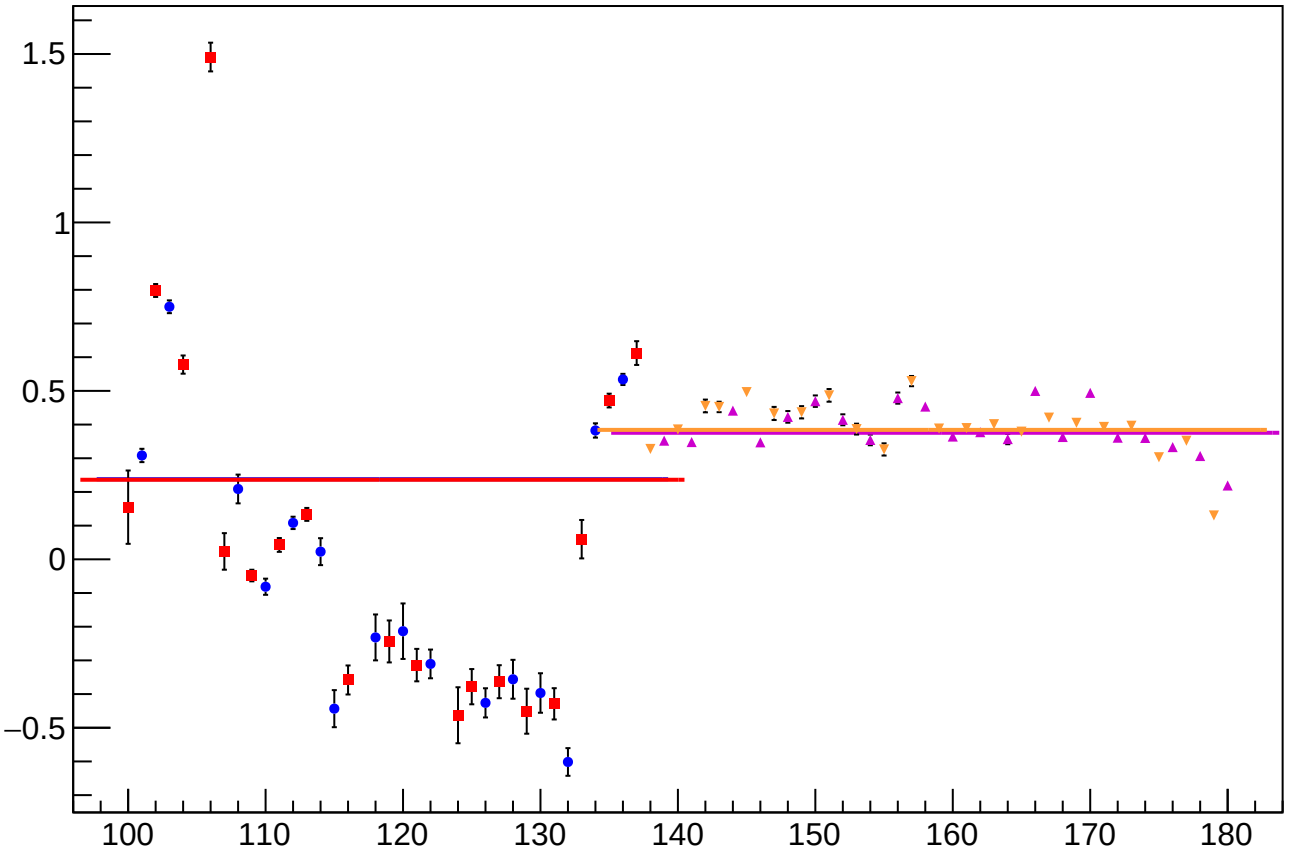
Left: -19.550+/-0.044 χ^2/NDF: 8354.4/42

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -19.160+/-0.056 χ^2/NDF:5200.9/36

Out: -18.674+/-0.056 χ^2/NDF:5650.9/40

All: -18.918+/-0.039 χ^2/NDF: 10889.6/77



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.384+/-0.003 χ^2/NDF:852.9/21

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.376+/-0.003 χ^2/NDF:675.3/20

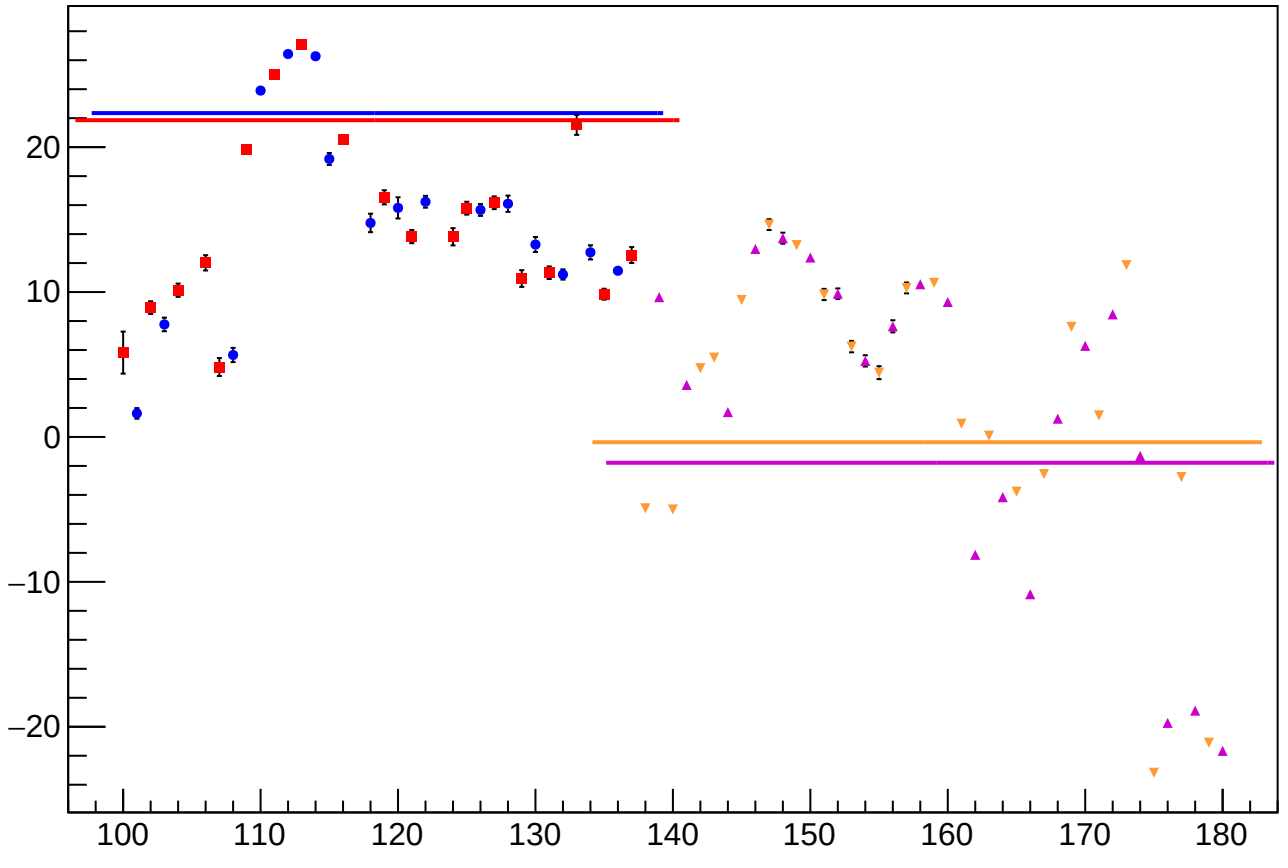
Left: 0.380+/-0.002 χ^2/NDF: 1532.9/42

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.357+/-0.003 χ^2/NDF:3638.5/36

Out: 0.364+/-0.003 χ^2/NDF:4824.2/40

All: 0.361+/-0.002 χ^2/NDF: 8466.0/77



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.363+/-0.061 χ^2/NDF:31720.5/21

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: -1.780+/-0.061 χ^2/NDF:37192.2/20

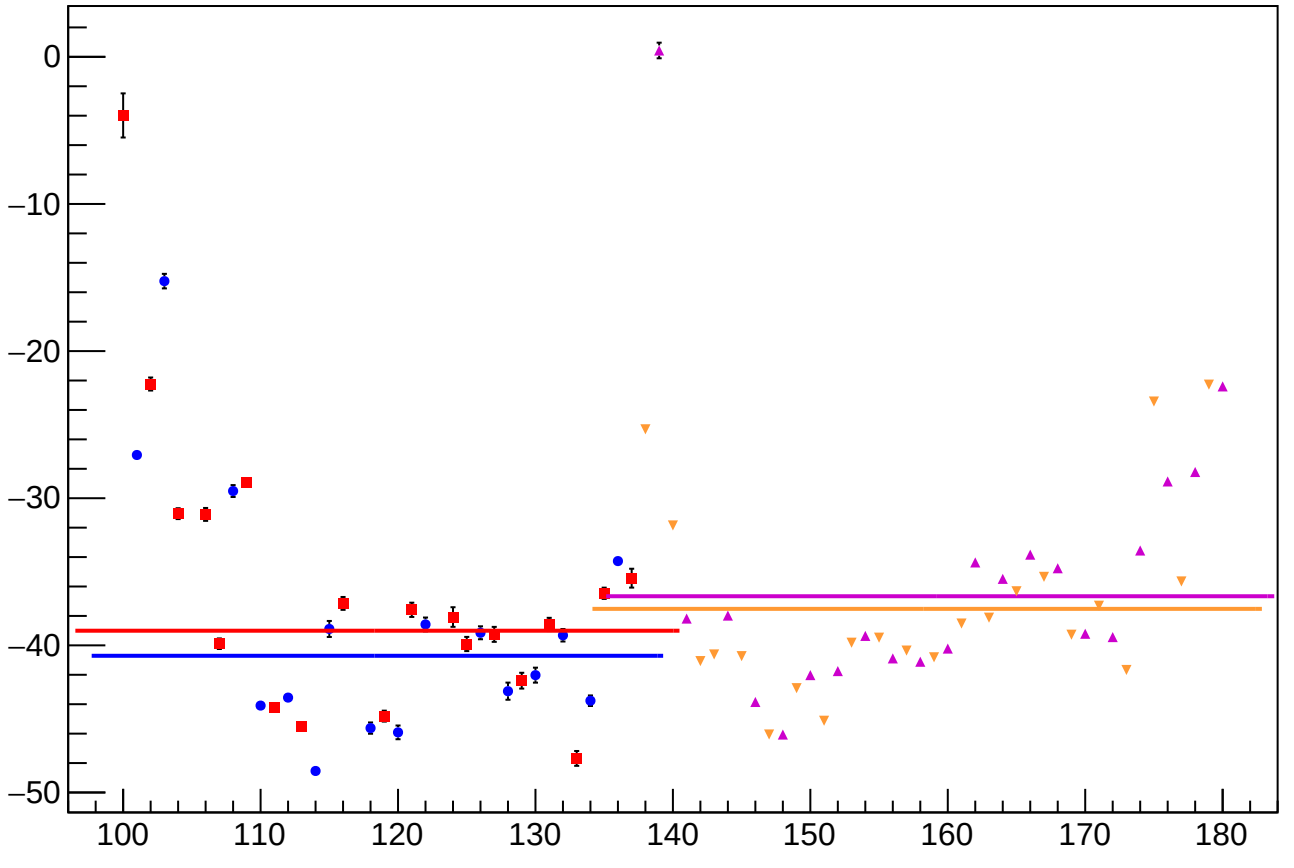
Left: -1.071+/-0.043 χ^2/NDF: 69184.8/42

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 11.147+/-0.041 χ^2/NDF:134051.3/36

Out: 13.690+/-0.037 χ^2/NDF:127141.0/40

All: 12.567+/-0.028 χ^2/NDF: 263300.6/77



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -37.520+/-0.045 χ^2/NDF:19616.8/21

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -36.662+/-0.046 χ^2/NDF:20890.7/20

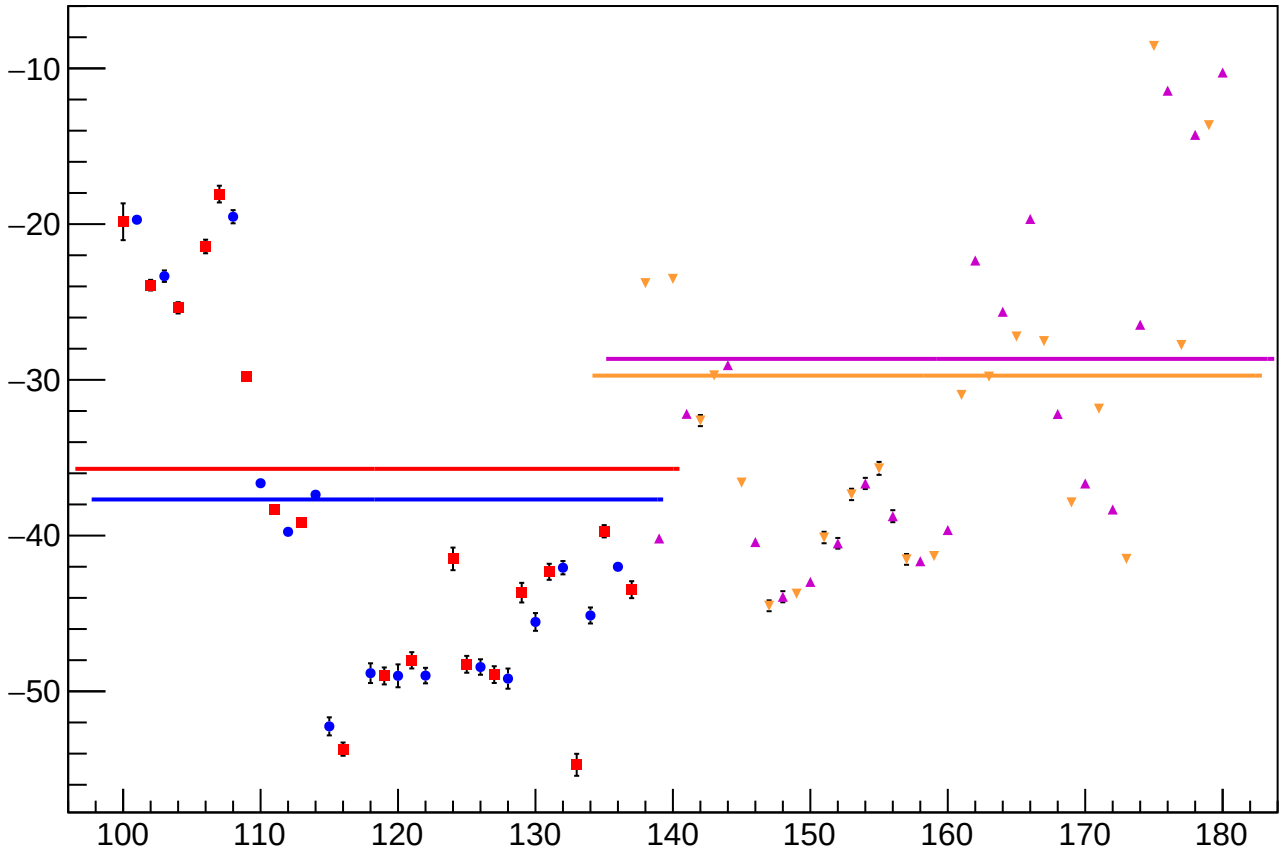
Left: -37.104+/-0.032 χ^2/NDF: 40683.6/42

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -37.751+/-0.040 χ^2/NDF:30717.0/36

Out: -37.945+/-0.038 χ^2/NDF:30030.0/40

All: -37.852+/-0.027 χ^2/NDF: 60759.4/77



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -29.728+/-0.060 χ^2/NDF:27278.8/21

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -28.653+/-0.060 χ^2/NDF:34191.1/20

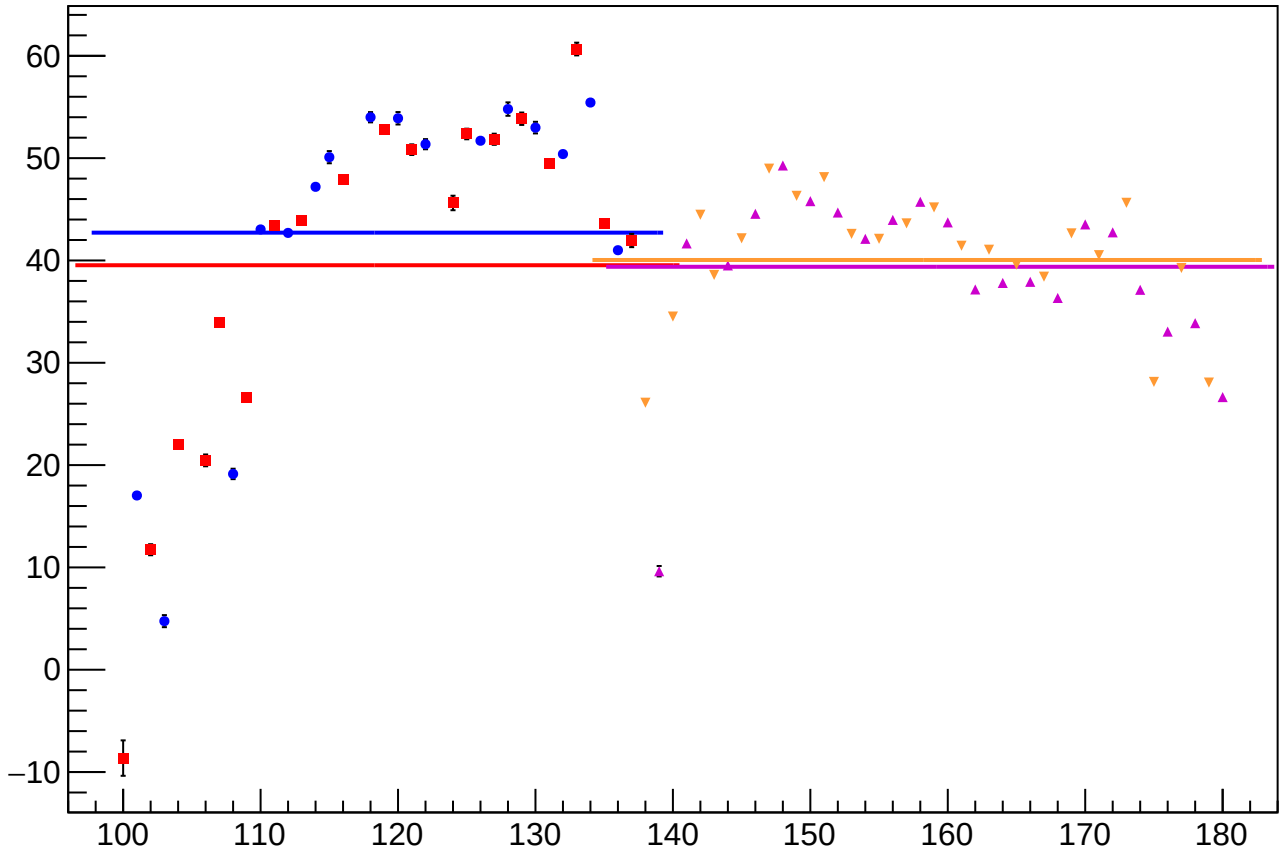
Left: -29.191+/-0.043 χ^2/NDF: 61628.9/42

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -32.269+/-0.047 χ^2/NDF:54028.1/36

Out: -32.527+/-0.044 χ^2/NDF:45162.8/40

All: -32.406+/-0.032 χ^2/NDF: 99207.1/77



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.046+/-0.051 χ^2/NDF:13656.6/21

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 39.382+/-0.052 χ^2/NDF:14359.0/20

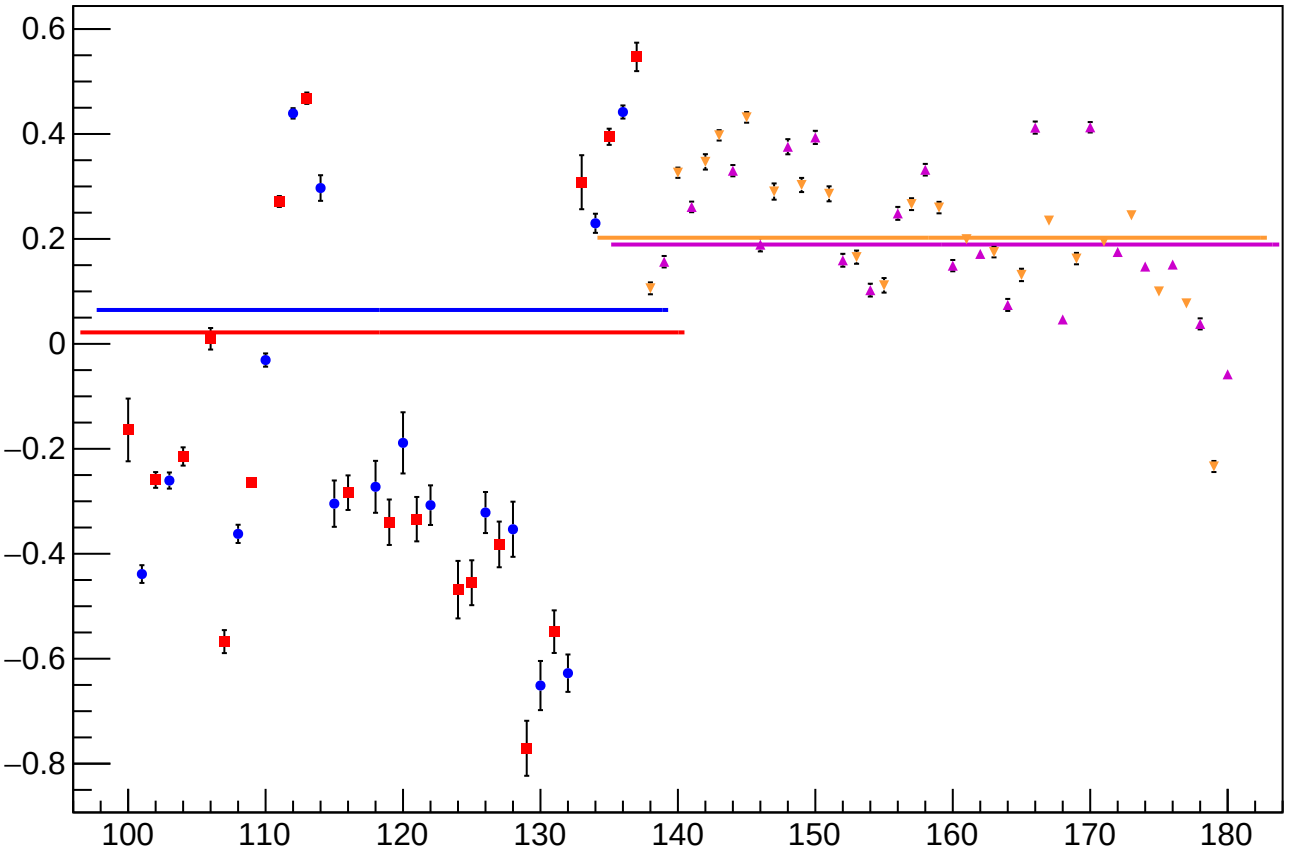
Left: 39.721+/-0.036 χ^2/NDF: 28098.7/42

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 40.291+/-0.044 χ^2/NDF:30243.1/36

Out: 39.893+/-0.043 χ^2/NDF:31665.0/40

All: 40.084+/-0.031 χ^2/NDF: 61949.8/77



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.202+/-0.002 χ^2/NDF:3574.6/21

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.189+/-0.002 χ^2/NDF:3095.3/20

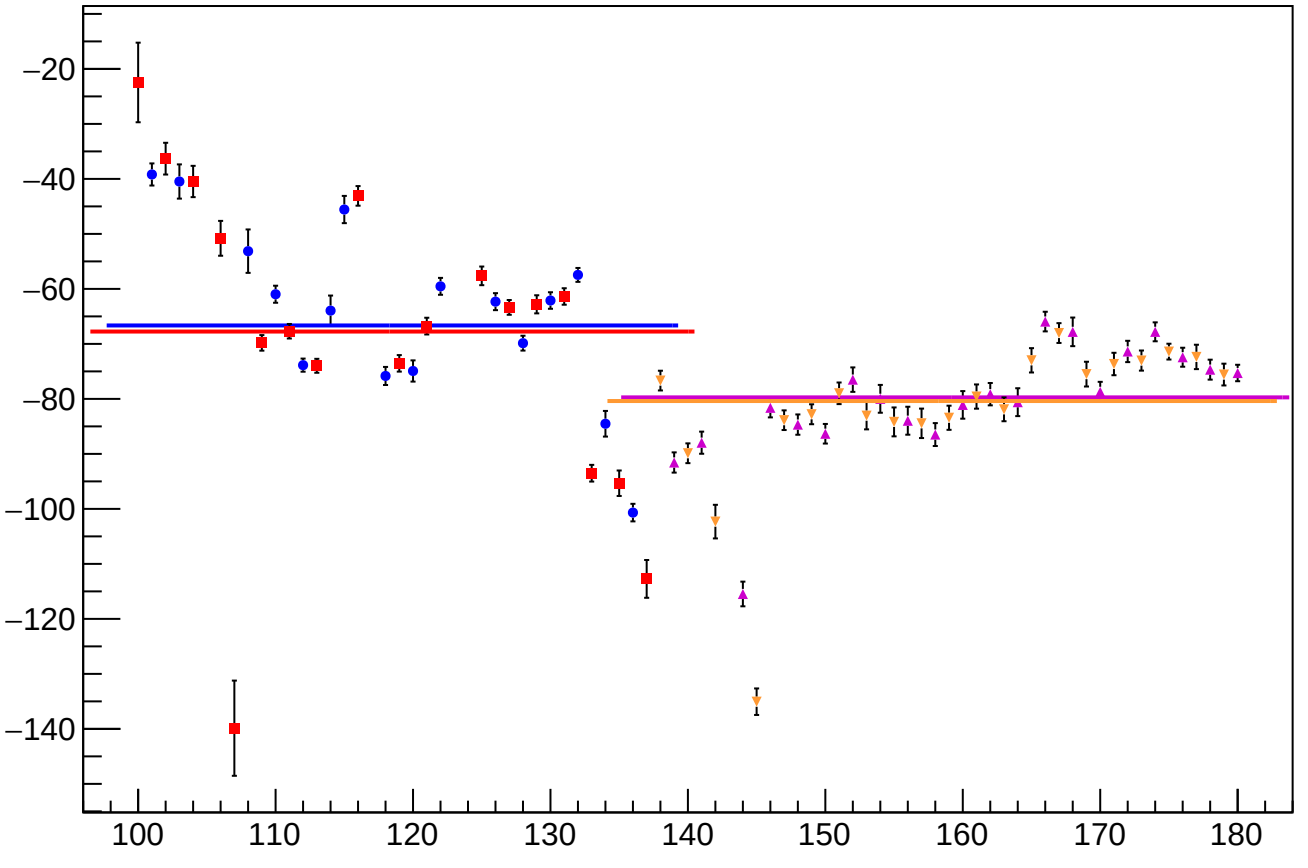
Left: 0.196+/-0.002 χ^2/NDF: 6685.7/42

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.166+/-0.002 χ^2/NDF:9132.9/36

Out: 0.163+/-0.002 χ^2/NDF:11304.7/40

All: 0.165+/-0.001 χ^2/NDF: 20438.7/77



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -80.389+/-0.445 χ^2/NDF:760.2/20

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -79.725+/-0.429 χ^2/NDF:532.1/20

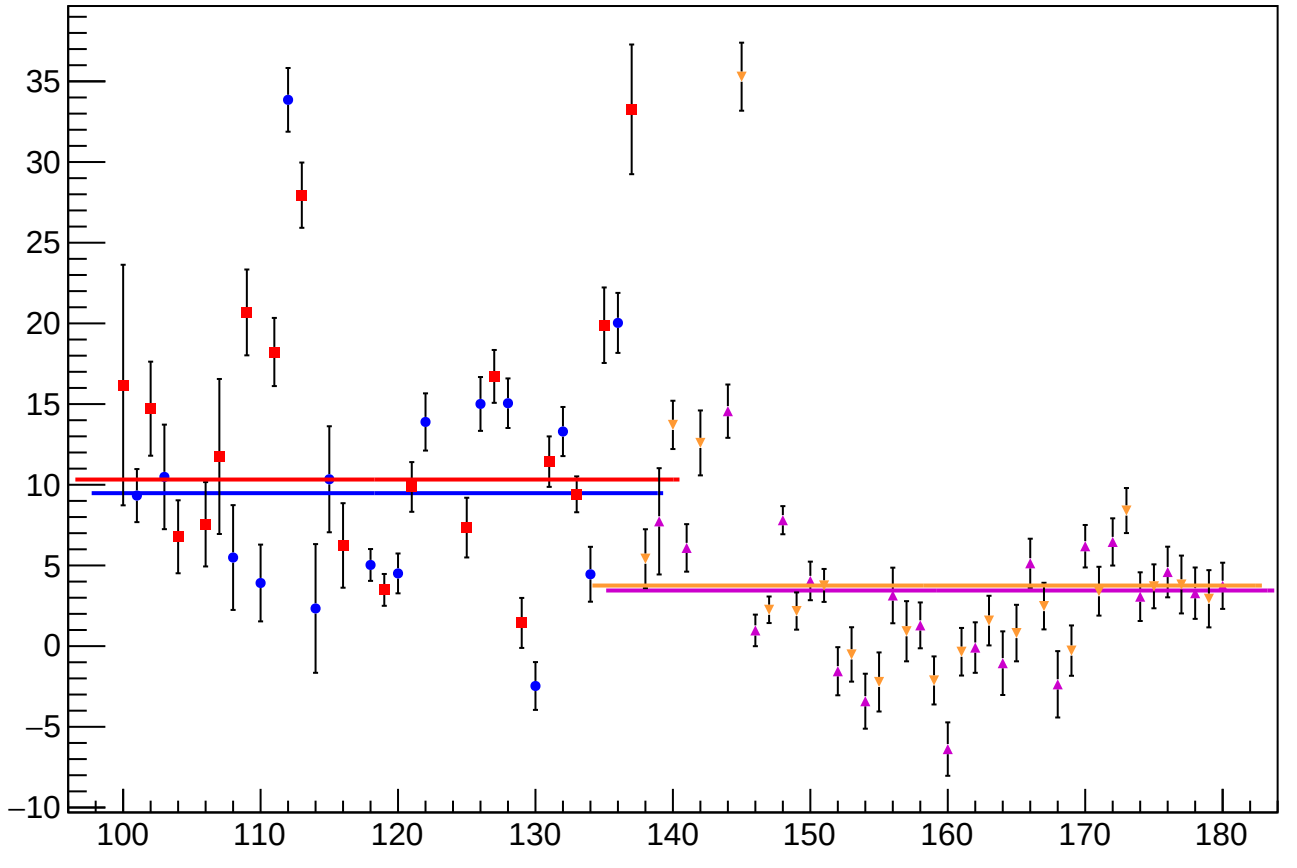
Left: -80.045+/-0.309 χ^2/NDF: 1293.4/41

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.142+/-0.302 χ^2/NDF:2052.2/36

Out: -73.694+/-0.305 χ^2/NDF:2442.0/38

All: -73.415+/-0.215 χ^2/NDF: 4495.9/75



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.755+/-0.316 χ^2/NDF:359.7/20

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.447+/-0.315 χ^2/NDF:175.6/20

Left: 3.601+/-0.223 χ^2/NDF: 535.8/41

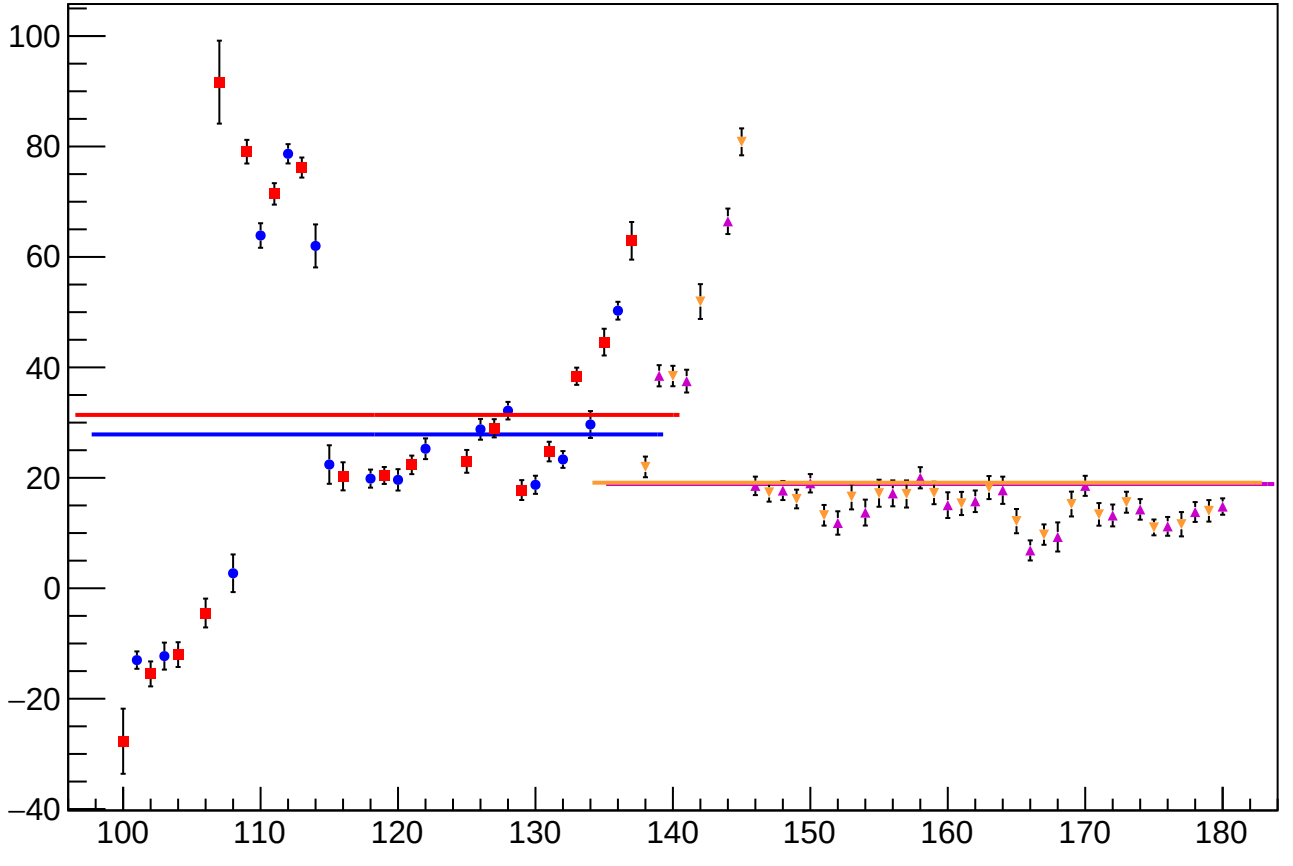
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.566+/-0.254 χ^2/NDF:646.4/36

Out: 6.020+/-0.256 χ^2/NDF:772.1/38

All: 5.791+/-0.180 χ^2/NDF: 1420.1/75

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.116+/-0.437 χ^2/NDF:981.3/20

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 18.877+/-0.422 χ^2/NDF:740.2/20

Left: 18.992+/-0.304 χ^2/NDF: 1721.7/41

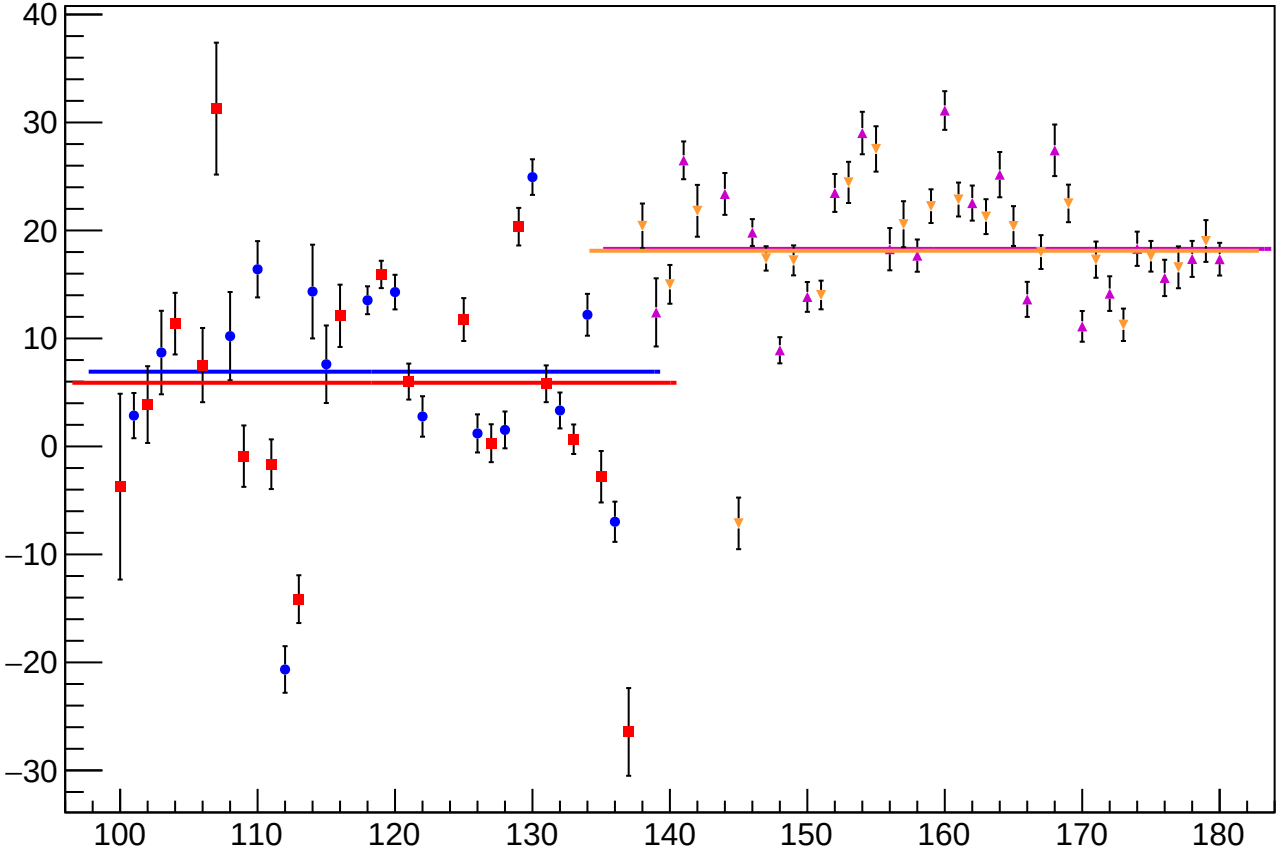
Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 22.771+/-0.318 χ^2/NDF:3410.6/36

Out: 24.587+/-0.325 χ^2/NDF:4344.2/38

All: 23.657+/-0.227 χ^2/NDF: 7770.7/75

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.121+/-0.364 χ^2/NDF:211.0/20

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.295+/-0.360 χ^2/NDF:269.7/20

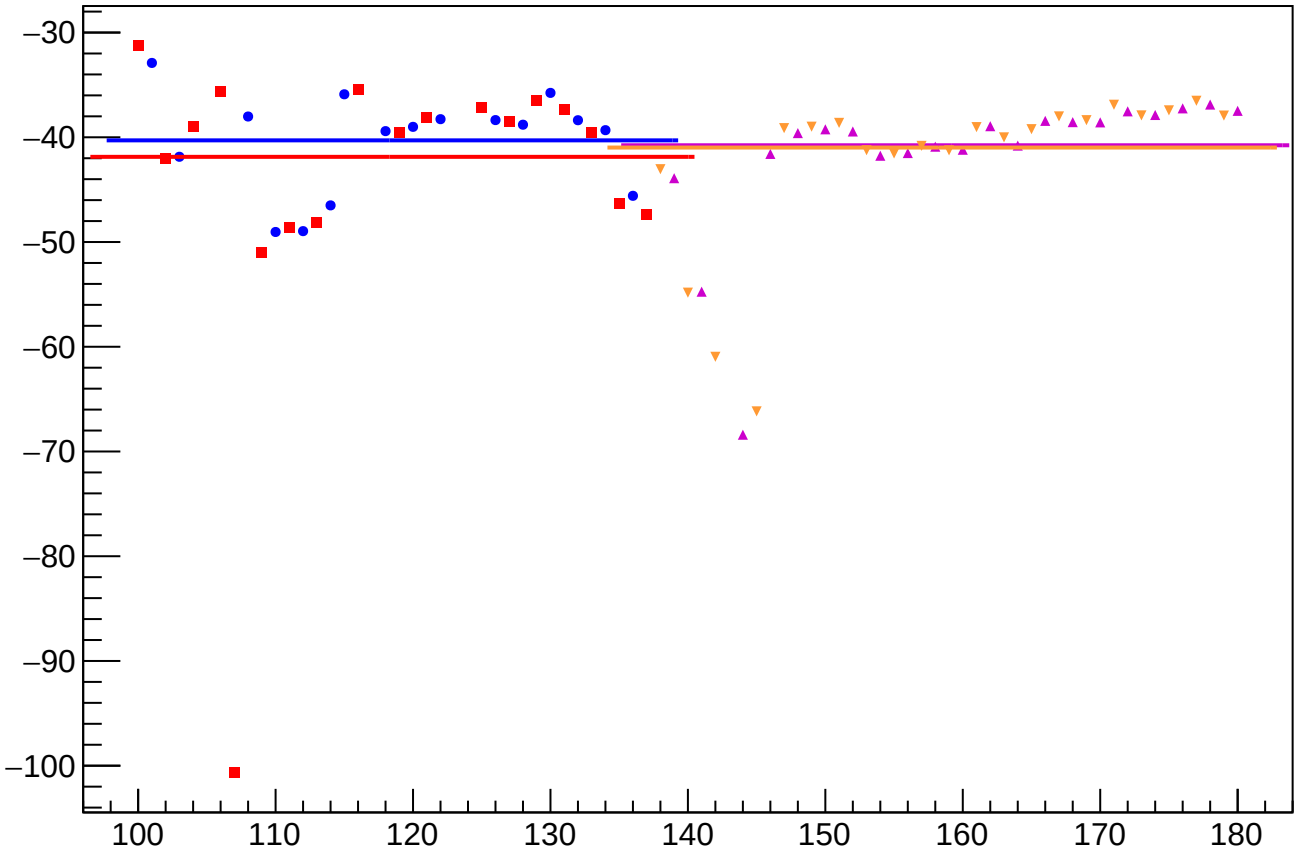
Left: 18.209+/-0.256 χ^2/NDF: 480.8/41

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.372+/-0.291 χ^2/NDF:1059.1/36

Out: 13.906+/-0.295 χ^2/NDF:967.6/38

All: 14.142+/-0.207 χ^2/NDF: 2027.9/75



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.980+/-0.017 χ^2/NDF:141040.0/20

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -40.763+/-0.016 χ^2/NDF:116628.1/20

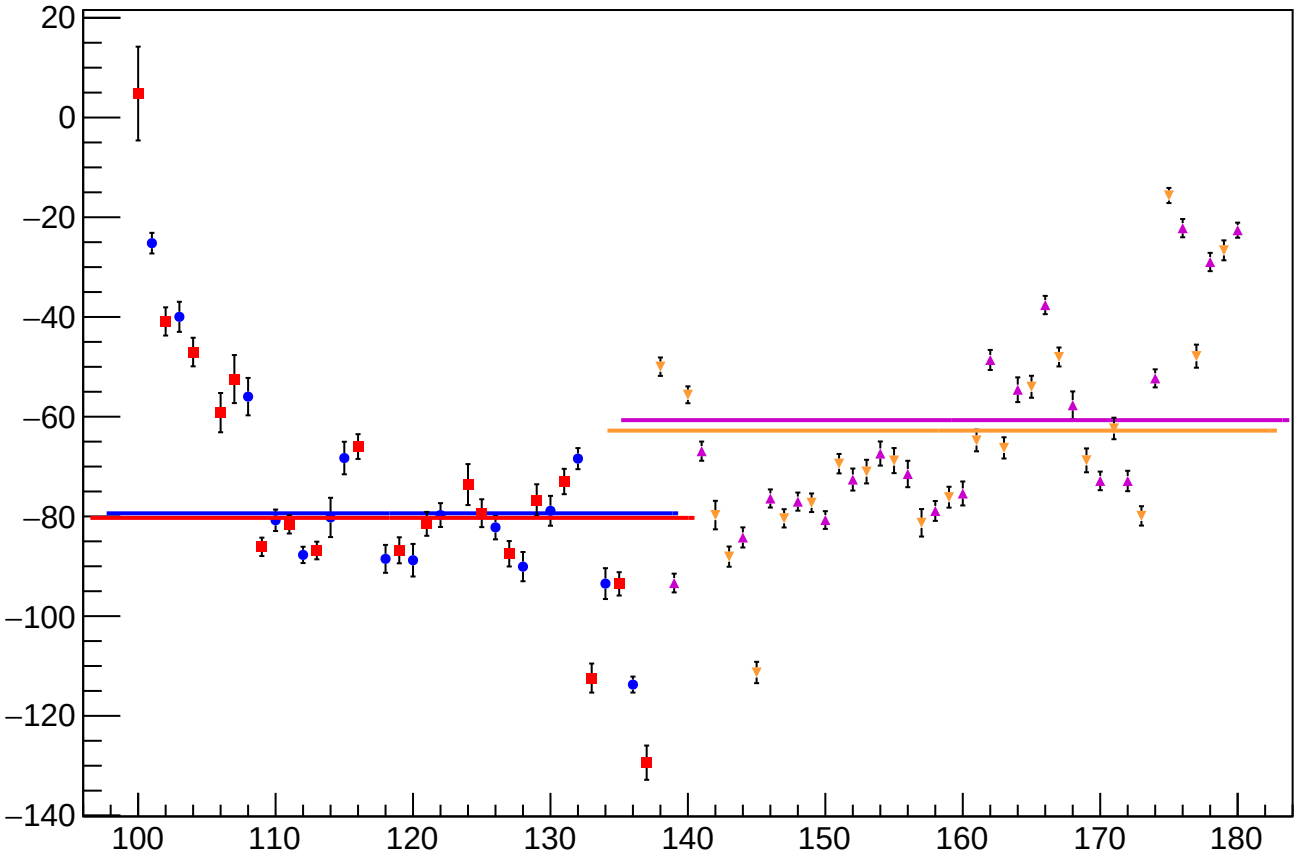
Left: -40.868+/-0.012 χ^2/NDF: 257754.9/41

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.664+/-0.014 χ^2/NDF:137468.2/36

Out: -41.170+/-0.015 χ^2/NDF:200374.9/38

All: -40.909+/-0.010 χ^2/NDF: 338440.9/75



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -62.792+/-0.438 χ^2/NDF:2535.5/21

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -60.692+/-0.432 χ^2/NDF:2584.8/20

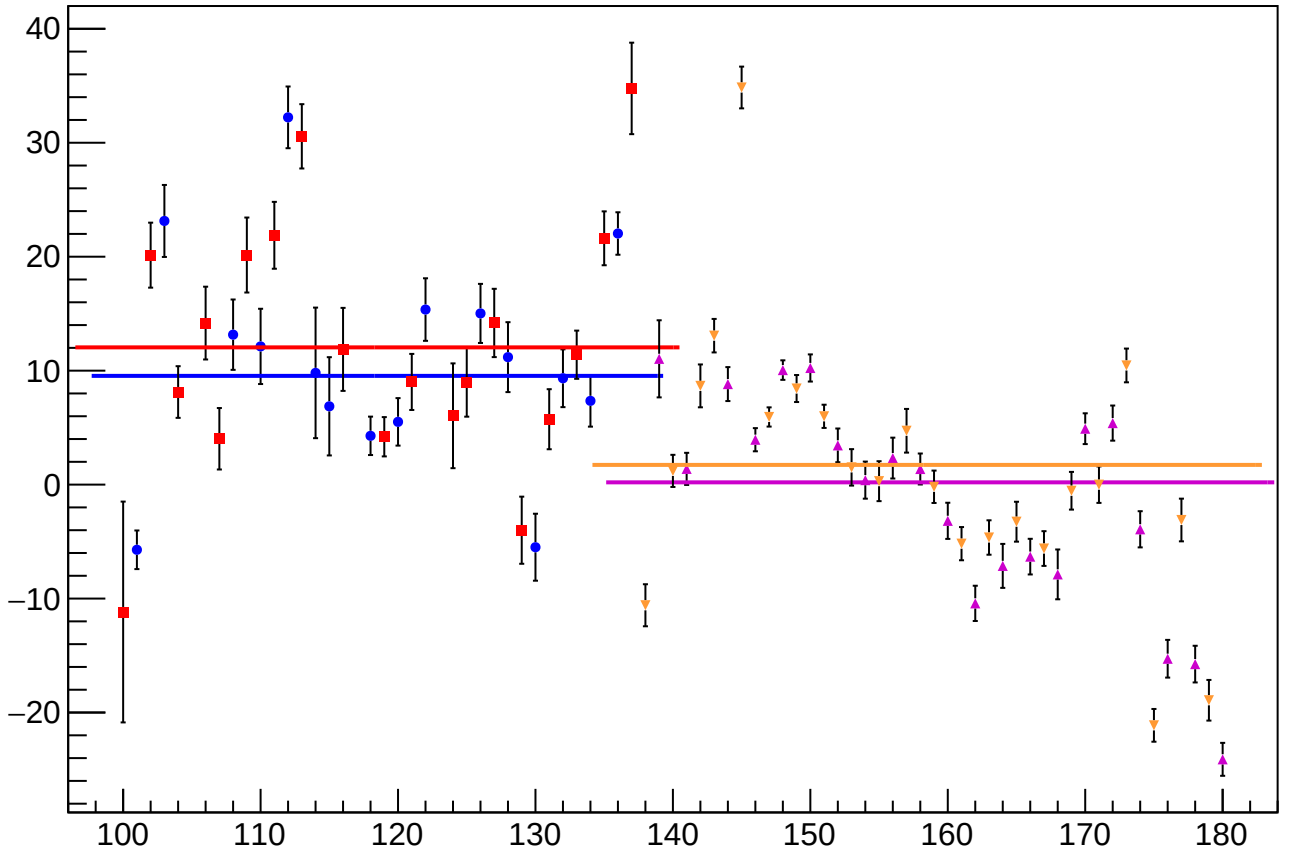
Left: -61.726+/-0.307 χ^2/NDF: 5132.0/42

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -66.914+/-0.353 χ^2/NDF:4684.8/36

Out: -68.825+/-0.355 χ^2/NDF:4000.4/40

All: -67.864+/-0.250 χ^2/NDF: 8699.8/77



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 1.730+/-0.311 χ^2/NDF:1027.0/21

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 0.199+/-0.315 χ^2/NDF:864.3/20

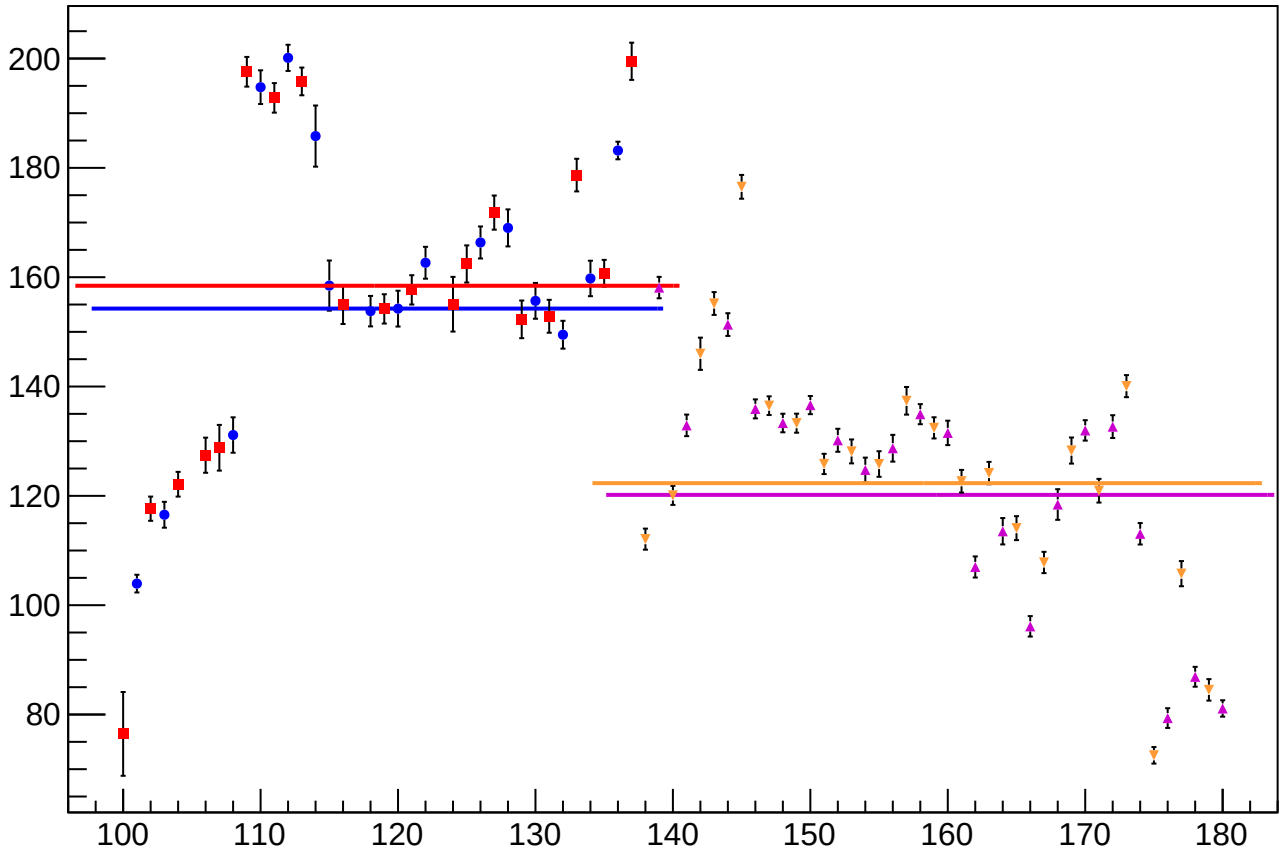
Left: 0.976+/-0.221 χ^2/NDF: 1903.3/42

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 2.112+/-0.281 χ^2/NDF:1311.3/36

Out: 3.711+/-0.279 χ^2/NDF:1434.7/40

All: 2.917+/-0.198 χ^2/NDF: 2762.3/77



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 122.324+/-0.431 χ^2/NDF:2804.9/21

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 120.178+/-0.424 χ^2/NDF:2842.2/20

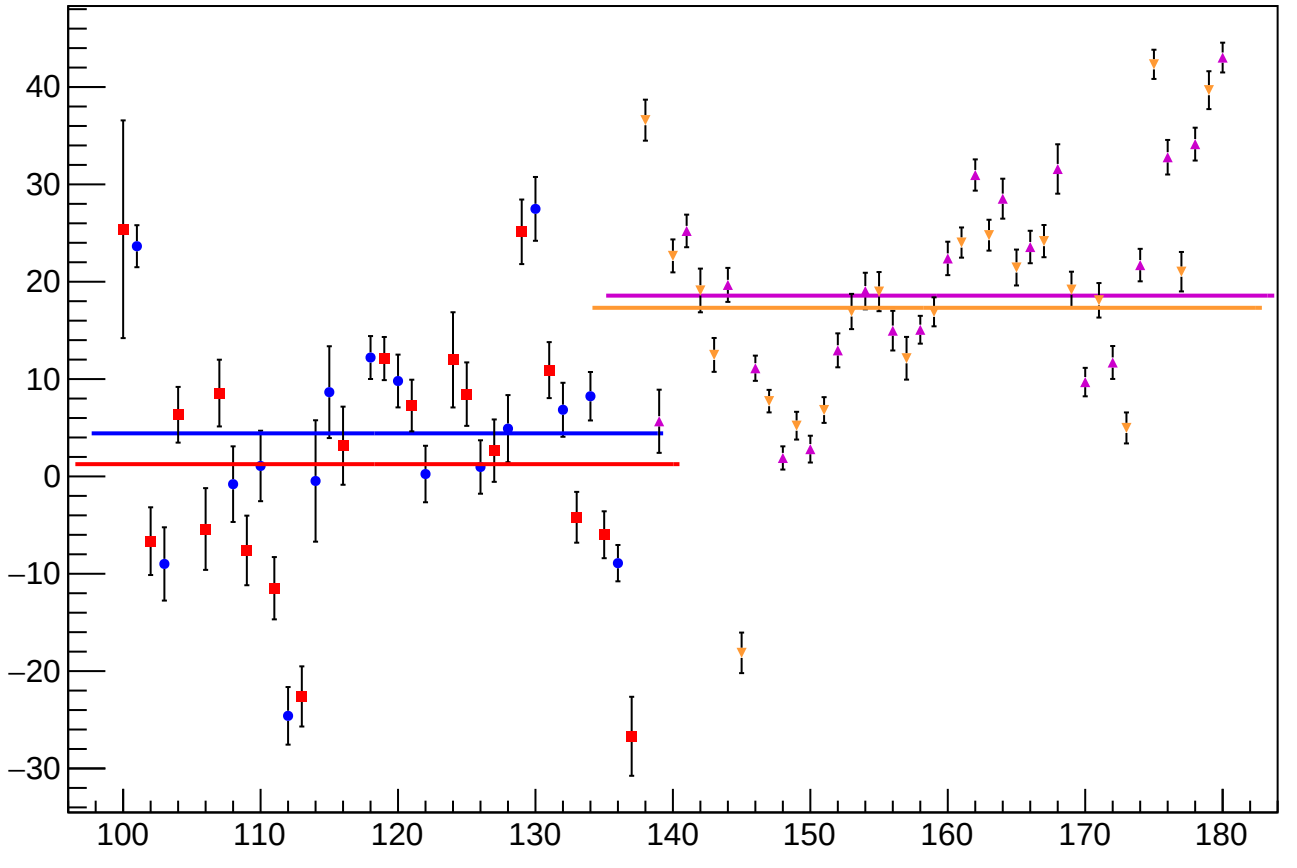
Left: 121.235+/-0.302 χ^2/NDF: 5659.7/42

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 130.103+/-0.357 χ^2/NDF:6936.1/36

Out: 132.606+/-0.364 χ^2/NDF:6470.9/40

All: 131.330+/-0.255 χ^2/NDF: 13431.1/77



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 17.321+/-0.358 χ^2/NDF:1139.9/21

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 18.572+/-0.360 χ^2/NDF:996.4/20

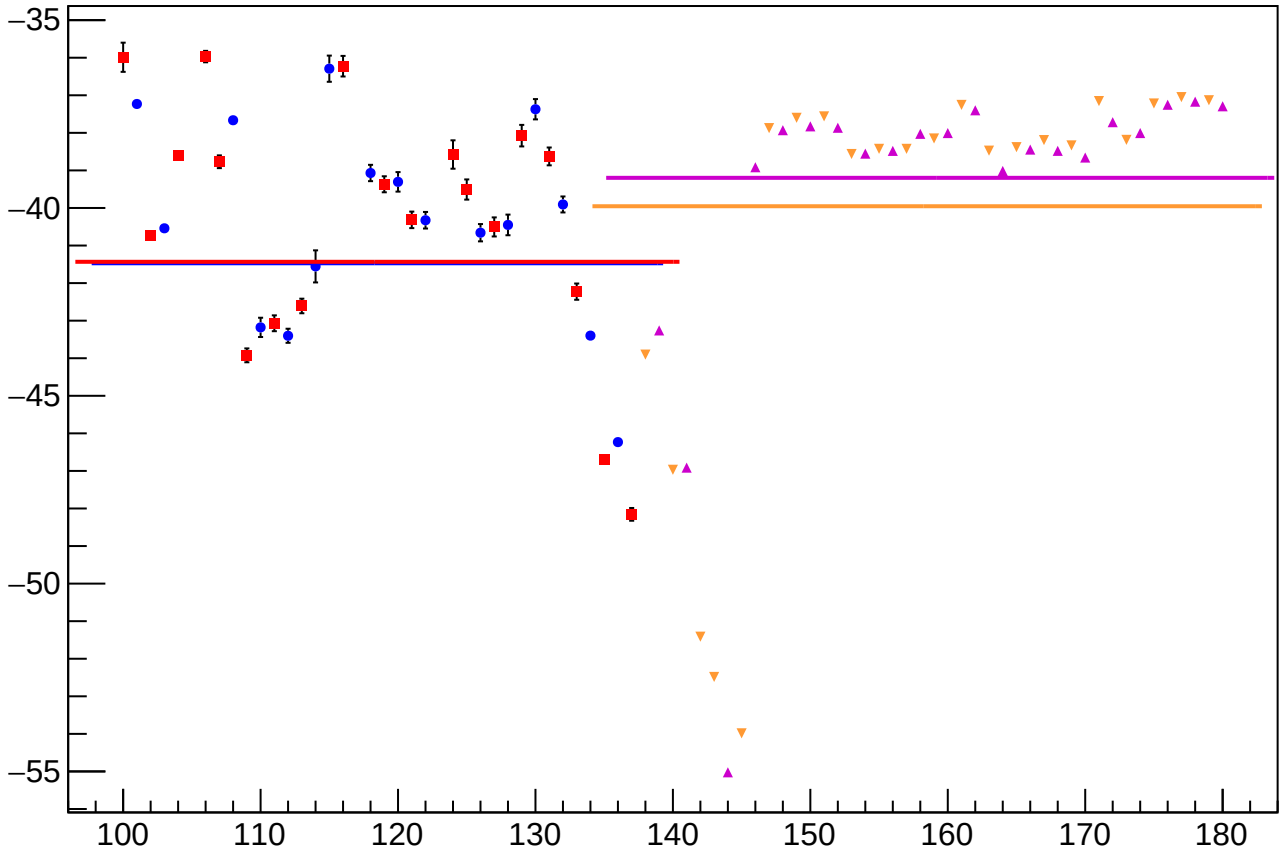
Left: 17.943+/-0.254 χ^2/NDF: 2142.4/42

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 15.699+/-0.322 χ^2/NDF:1625.4/36

Out: 14.214+/-0.322 χ^2/NDF:1793.4/40

All: 14.957+/-0.228 χ^2/NDF: 3429.5/77



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.954+/-0.017 χ^2/NDF:80752.4/21

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.198+/-0.016 χ^2/NDF:46748.9/20

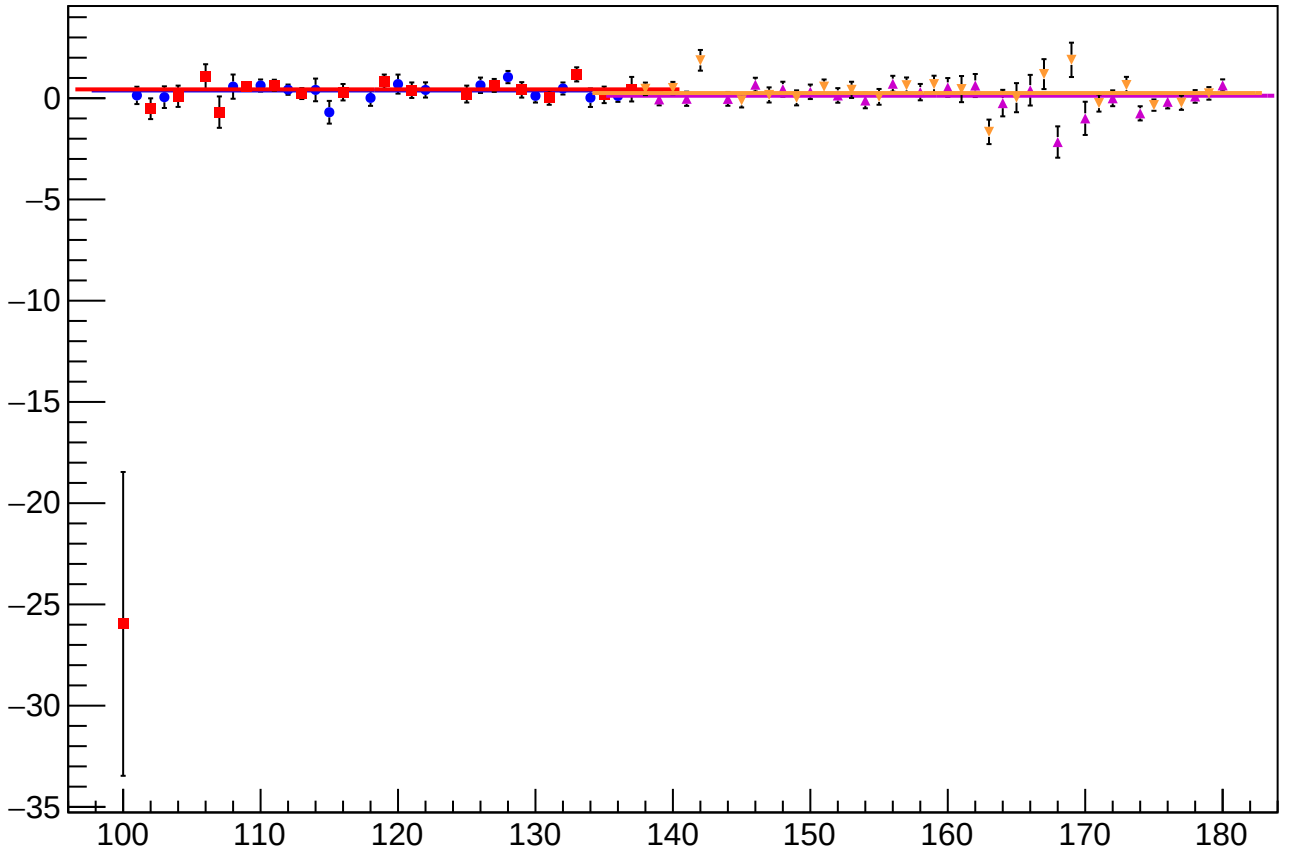
Left: -39.570+/-0.012 χ^2/NDF: 128559.9/42

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.549+/-0.015 χ^2/NDF:57671.4/36

Out: -40.175+/-0.015 χ^2/NDF:90169.4/40

All: -39.856+/-0.011 χ^2/NDF: 148695.3/77



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.254+/-0.086 χ^2/NDF:40.1/20

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.122+/-0.085 χ^2/NDF:29.9/20

Left: 0.187+/-0.060 χ^2/NDF: 71.2/41

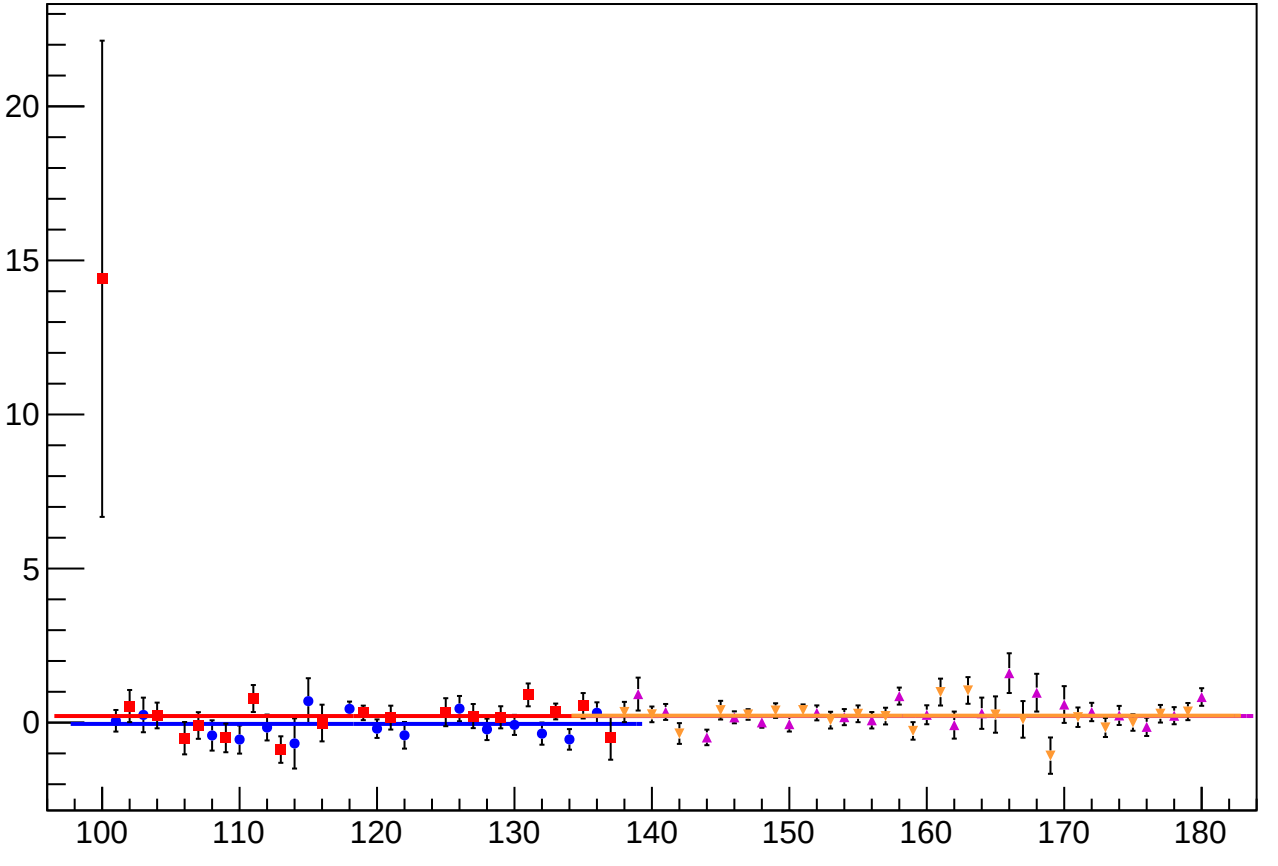
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.241+/-0.062 χ^2/NDF:48.3/36

Out: 0.342+/-0.062 χ^2/NDF:71.2/38

All: 0.291+/-0.044 χ^2/NDF: 120.8/75

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.225+/-0.062 χ^2/NDF:22.4/20

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.213+/-0.063 χ^2/NDF:31.5/20

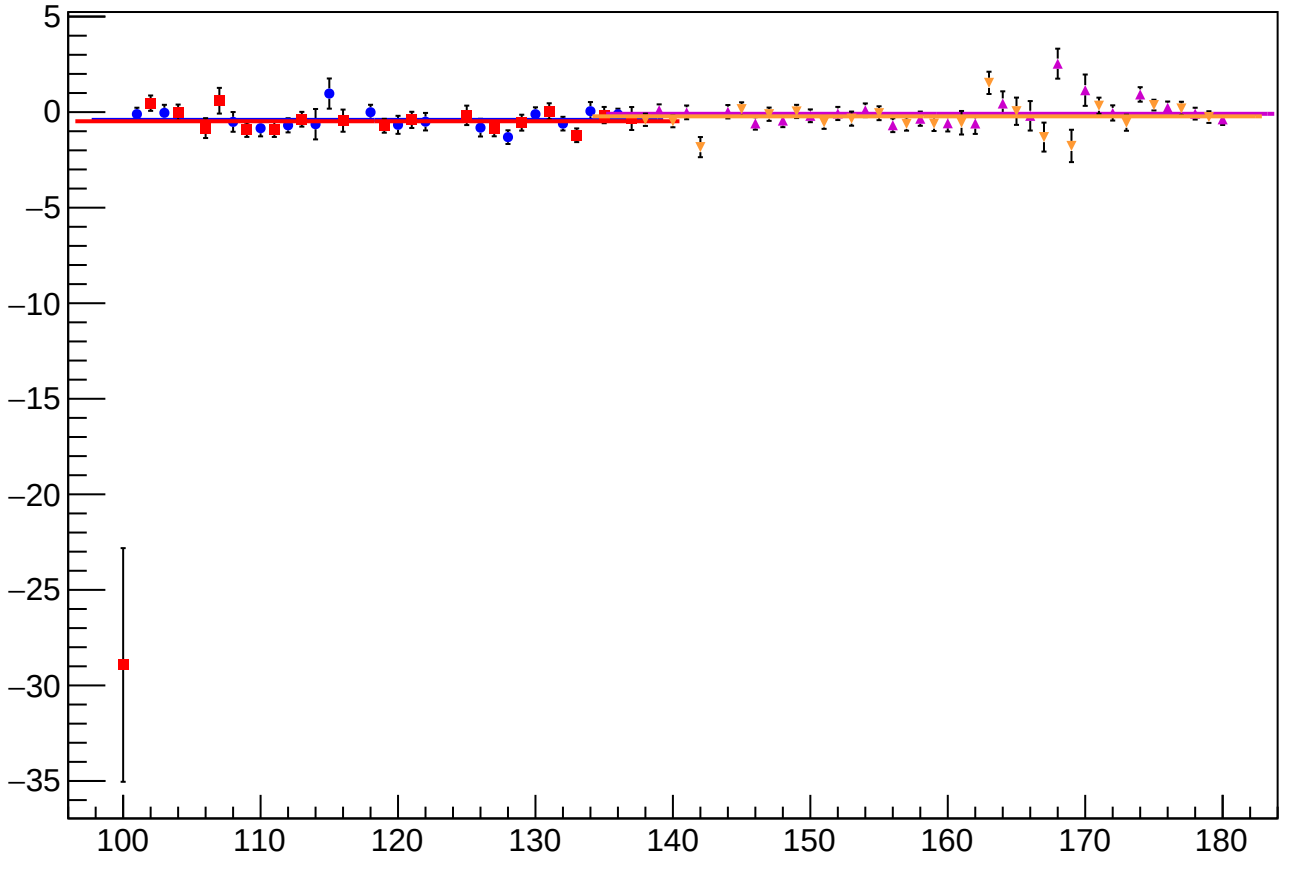
Left: 0.219+/-0.044 χ^2/NDF: 53.9/41

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.135+/-0.052 χ^2/NDF:51.7/36

Out: 0.221+/-0.052 χ^2/NDF:44.8/38

All: 0.178+/-0.037 χ^2/NDF: 97.8/75



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.220+/-0.085 χ^2/NDF:38.5/20

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.088+/-0.083 χ^2/NDF:32.9/20

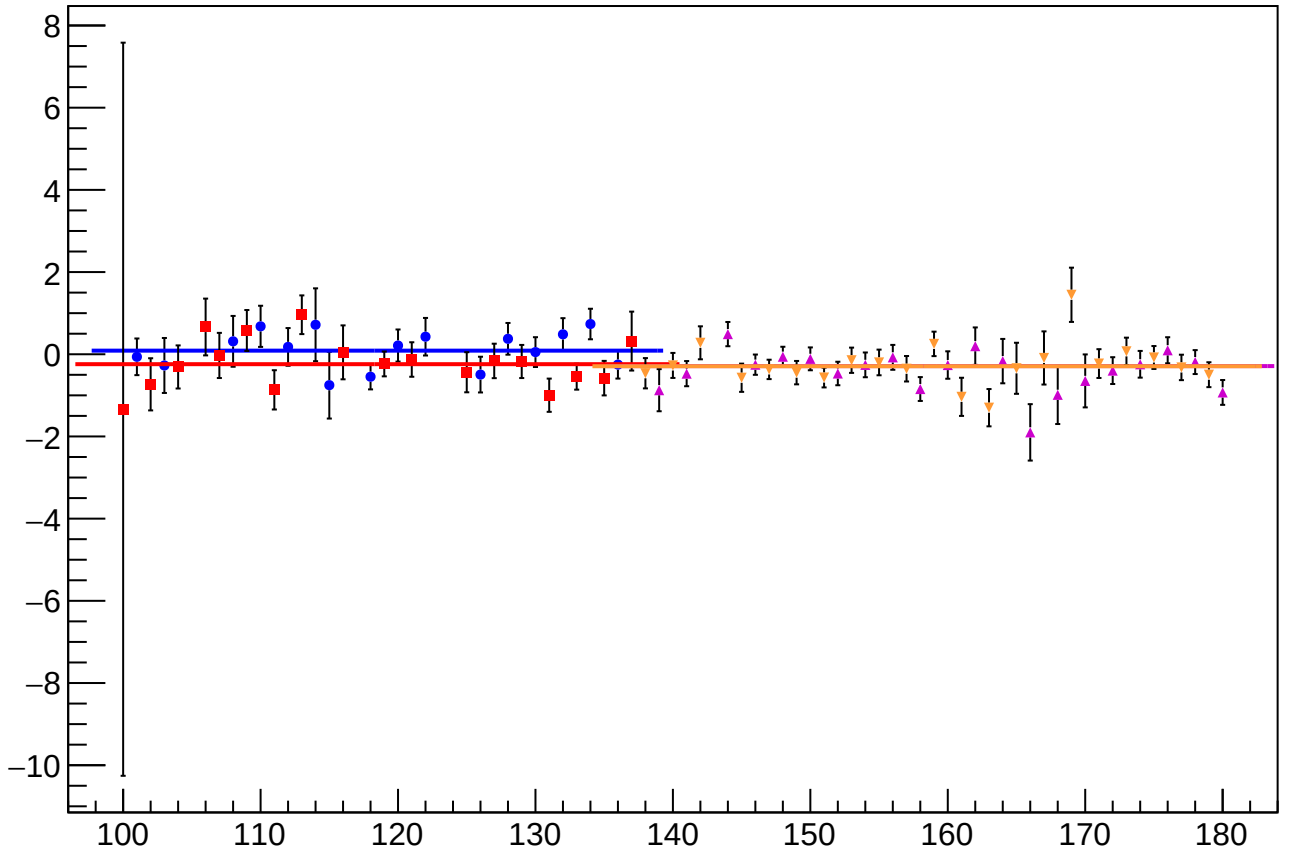
Left: -0.153+/-0.059 χ^2/NDF: 72.7/41

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.213+/-0.065 χ^2/NDF:56.5/36

Out: -0.323+/-0.066 χ^2/NDF:84.5/38

All: -0.267+/-0.046 χ^2/NDF: 142.3/75



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.291+/-0.072 χ^2/NDF:25.1/20

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.288+/-0.072 χ^2/NDF:28.8/20

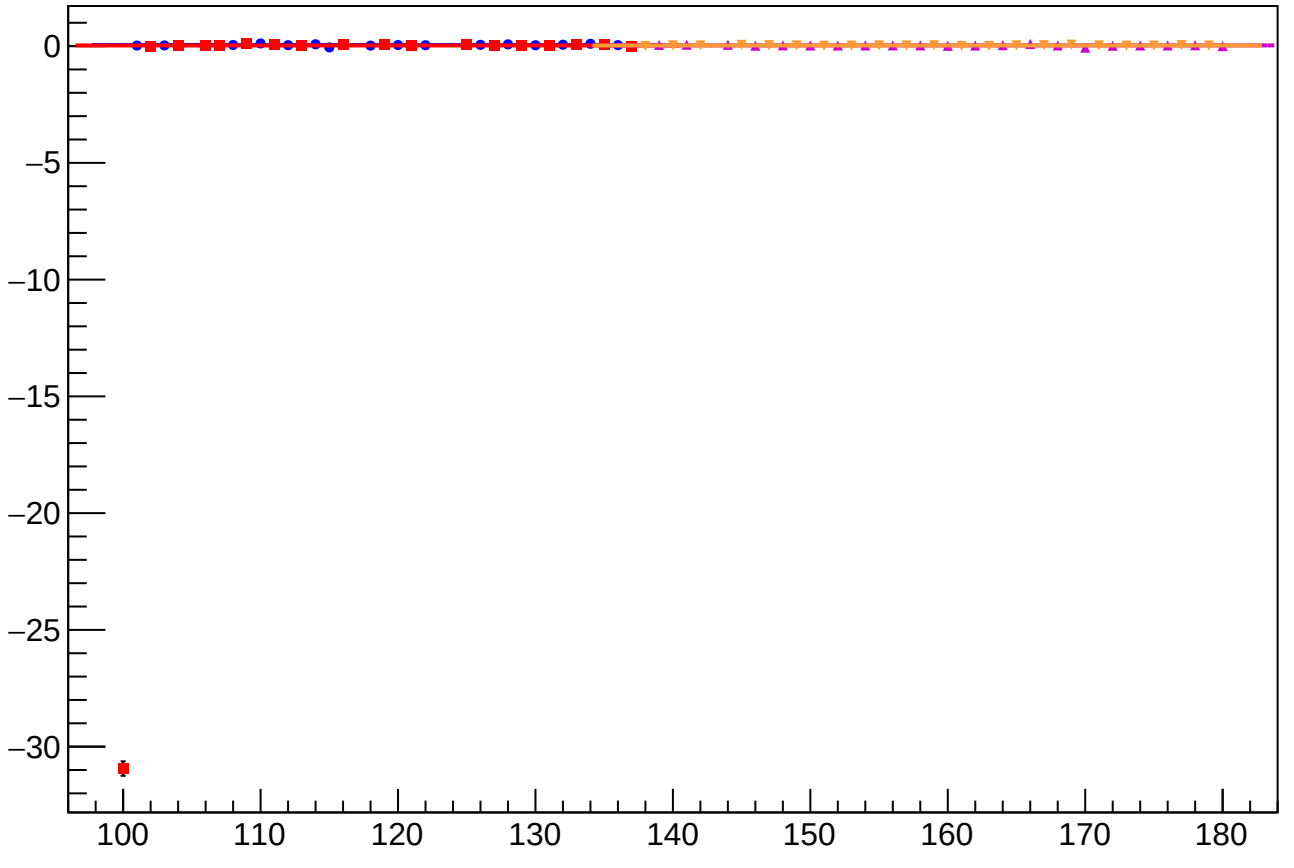
Left: -0.290+/-0.051 χ^2/NDF: 53.9/41

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.173+/-0.060 χ^2/NDF:53.0/36

Out: -0.276+/-0.060 χ^2/NDF:44.9/38

All: -0.224+/-0.043 χ^2/NDF: 99.3/75



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:13.8/20

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.031+/-0.003 χ^2/NDF:35.2/20

Left: 0.029+/-0.002 χ^2/NDF: 49.5/41

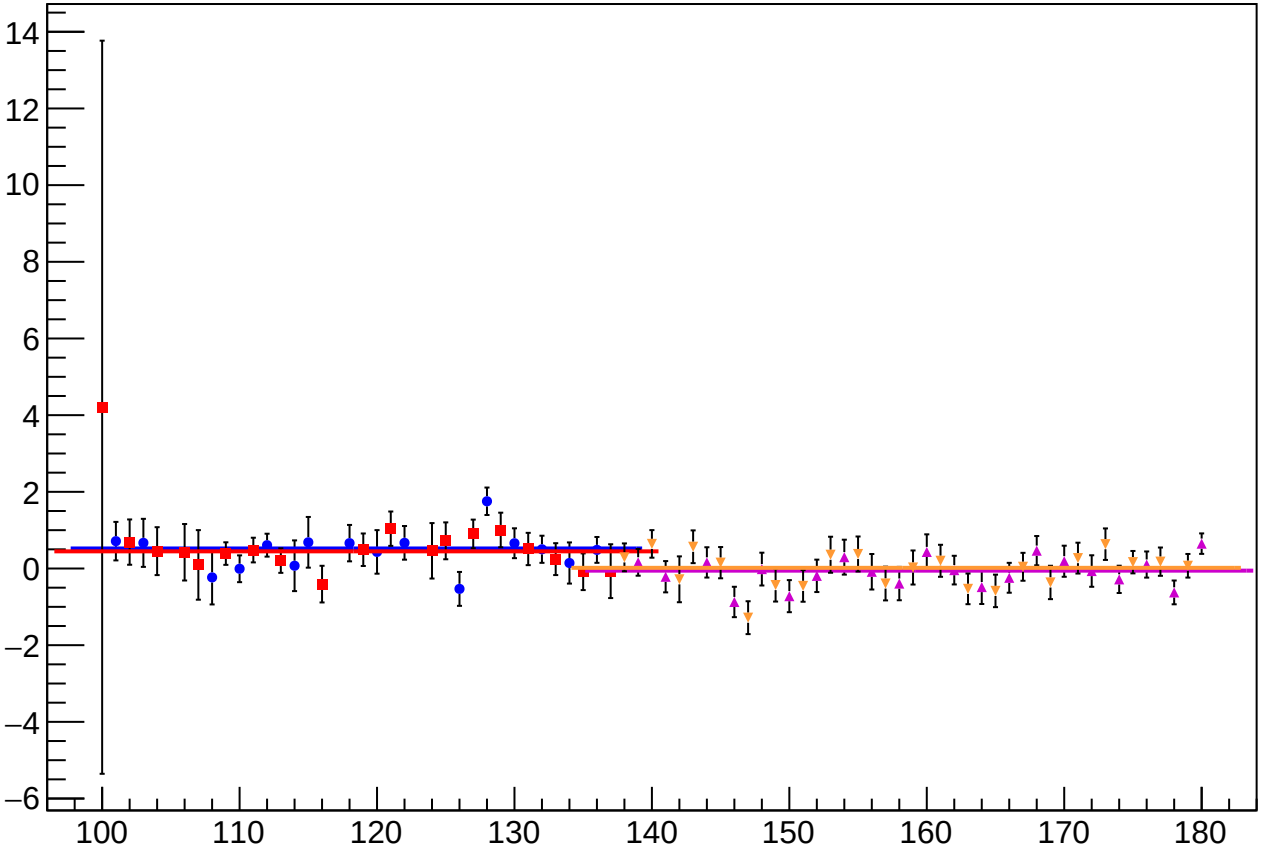
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.034+/-0.003 χ^2/NDF:60.8/36

Out: 0.028+/-0.003 χ^2/NDF:10034.8/38

All: 0.031+/-0.002 χ^2/NDF: 10098.1/75

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.017+/-0.085 χ^2/NDF:27.2/21

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.056+/-0.084 χ^2/NDF:24.4/20

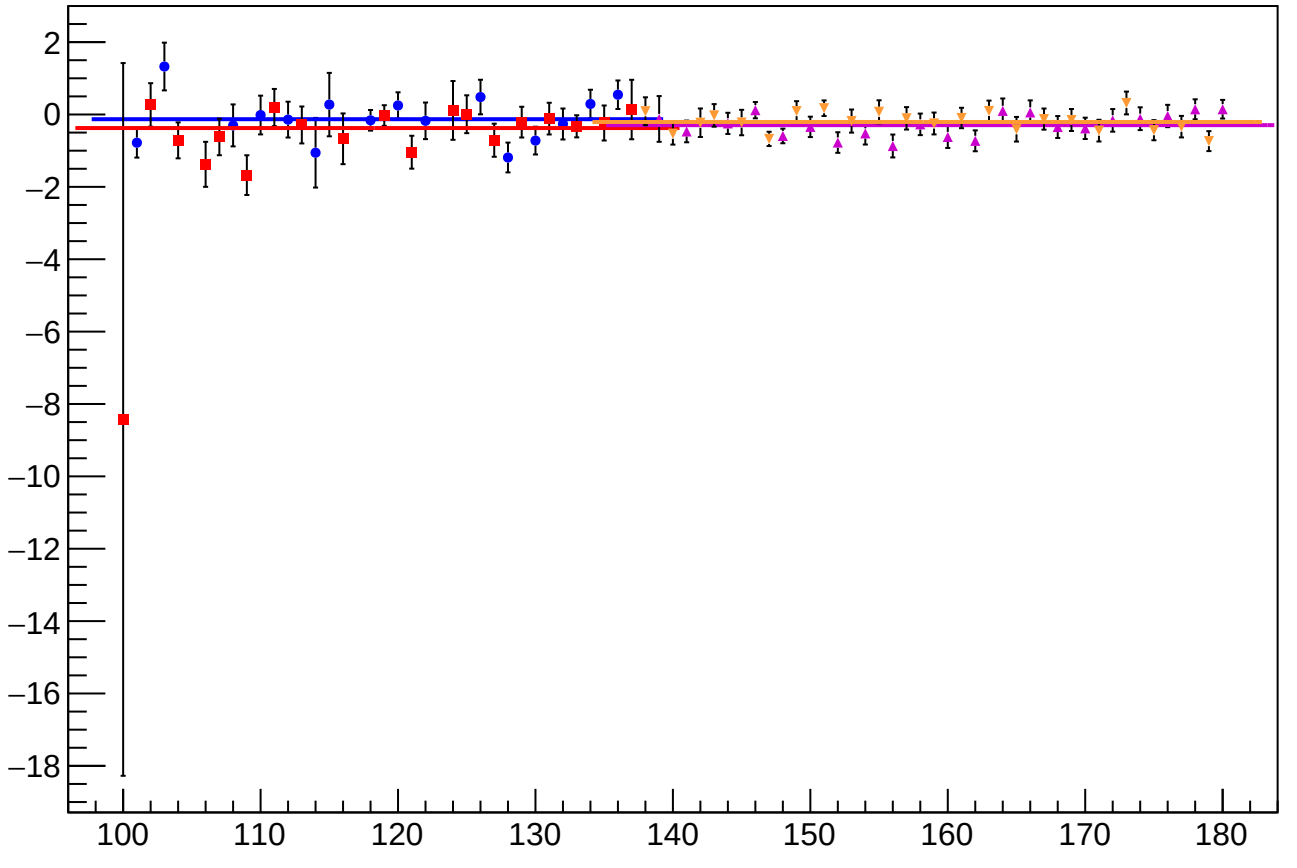
Left: -0.020+/-0.060 χ^2/NDF: 51.9/42

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.161+/-0.066 χ^2/NDF:64.8/36

Out: 0.188+/-0.066 χ^2/NDF:48.7/40

All: 0.174+/-0.047 χ^2/NDF: 113.5/77



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.207+/-0.062 χ^2/NDF:22.6/21

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.295+/-0.063 χ^2/NDF:25.3/20

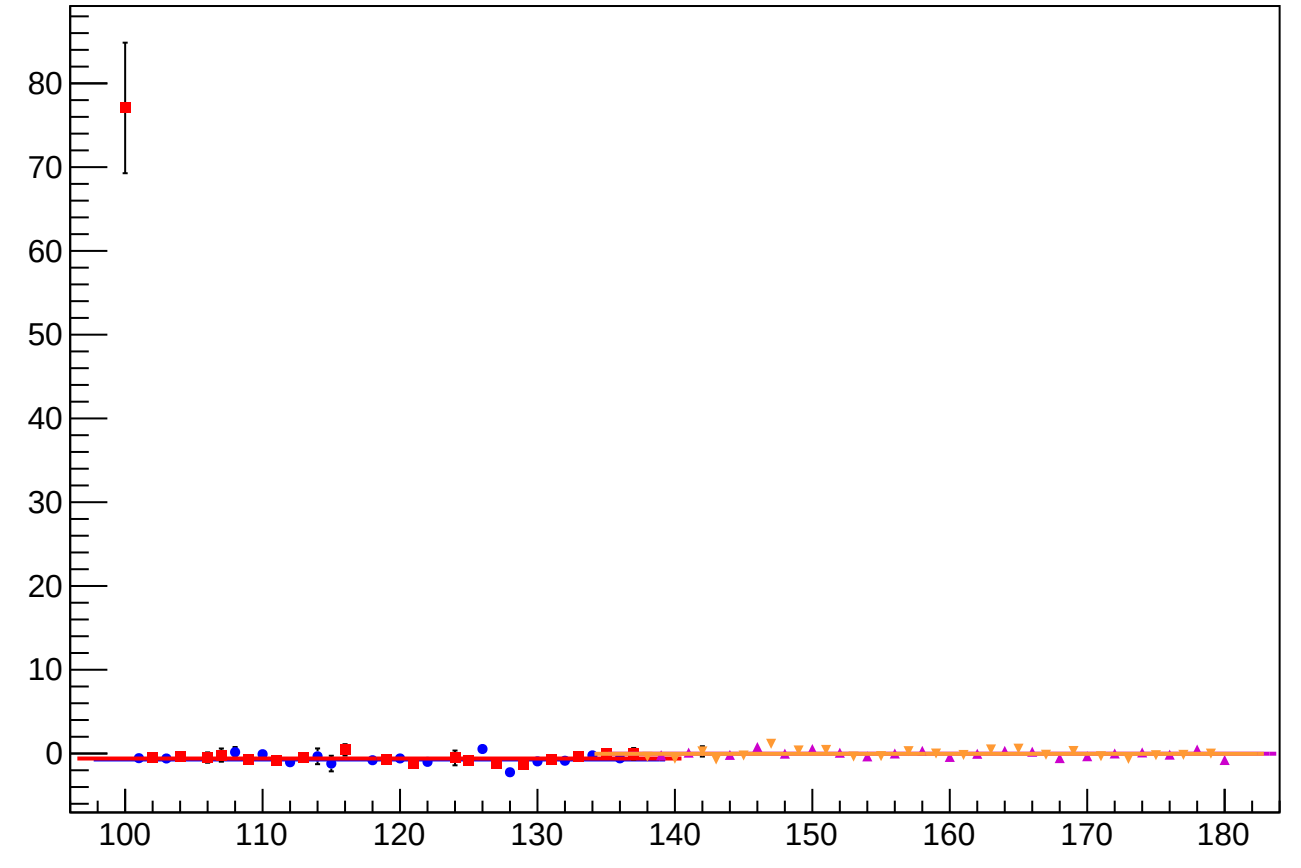
Left: -0.250+/-0.044 χ^2/NDF: 48.9/42

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.254+/-0.055 χ^2/NDF:51.5/36

Out: -0.247+/-0.054 χ^2/NDF:42.5/40

All: -0.250+/-0.039 χ^2/NDF: 94.1/77



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.035+/-0.084 χ^2/NDF:26.8/21

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: -0.023+/-0.083 χ^2/NDF:23.2/20

Left: -0.029+/-0.059 χ^2/NDF: 50.1/42

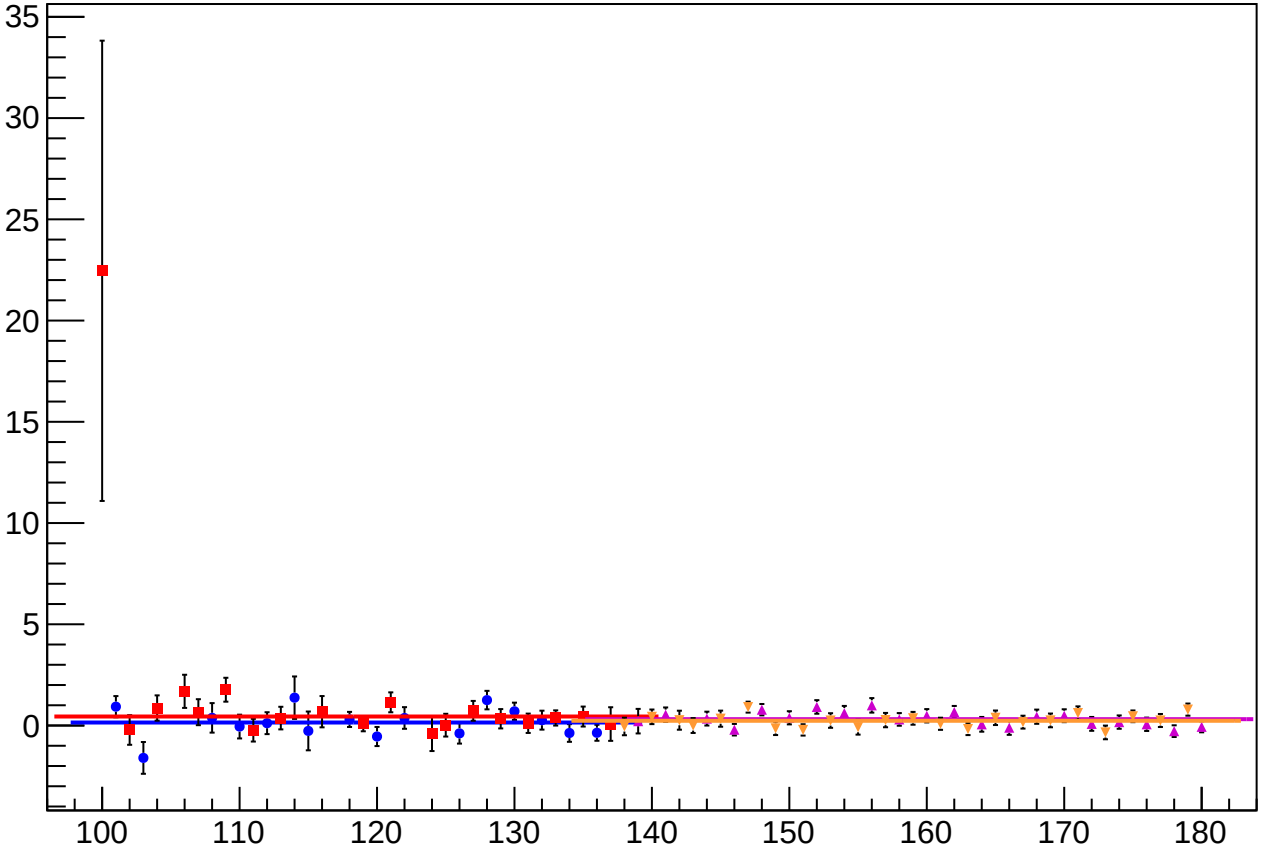
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.241+/-0.068 χ^2/NDF:70.1/36

Out: -0.216+/-0.069 χ^2/NDF:152.3/40

All: -0.229+/-0.049 χ^2/NDF: 222.5/77

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.234+/-0.071 χ^2/NDF:22.7/21

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.313+/-0.072 χ^2/NDF:25.4/20

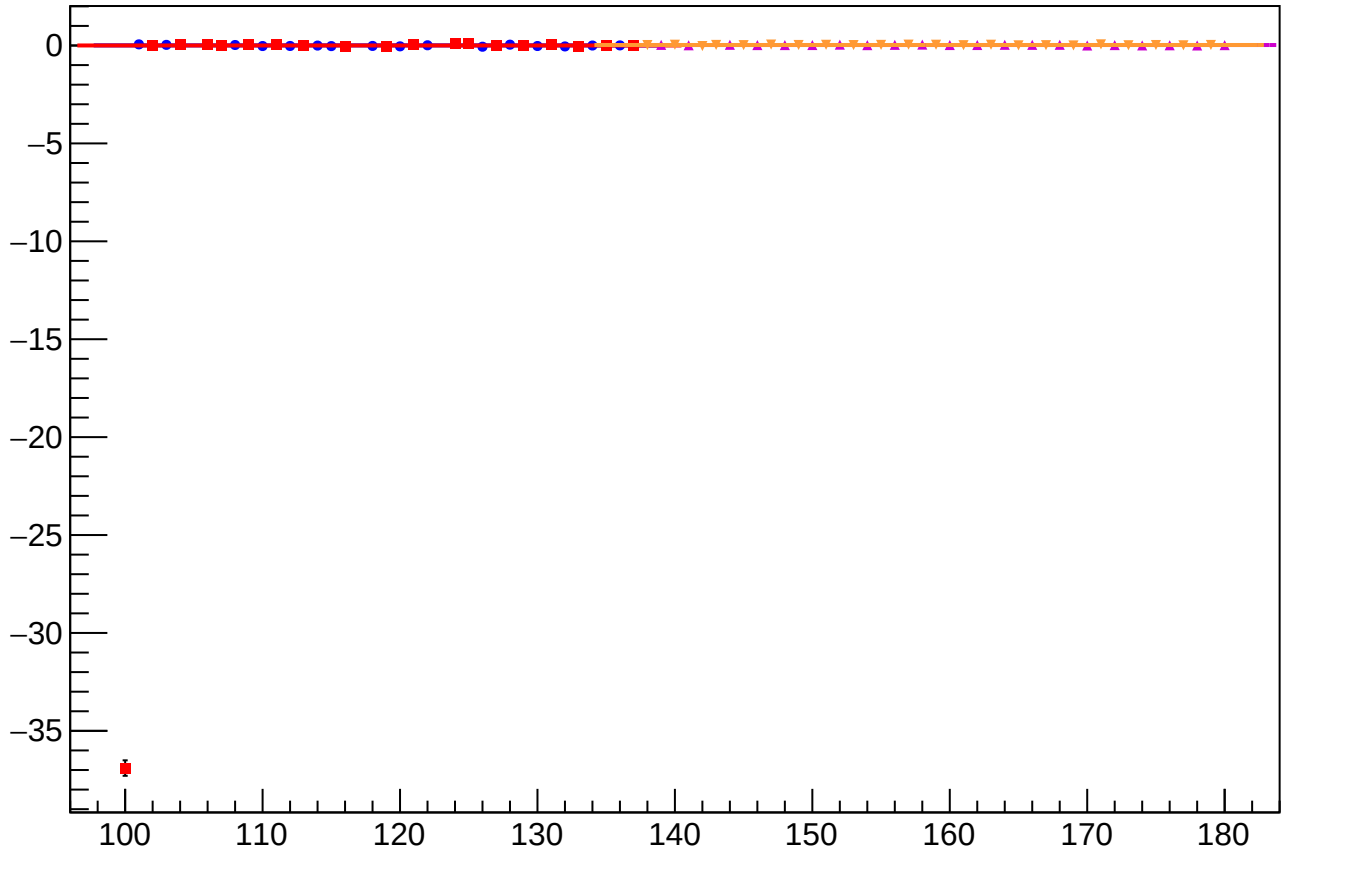
Left: 0.273+/-0.050 χ^2/NDF: 48.7/42

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.274+/-0.063 χ^2/NDF:50.0/36

Out: 0.284+/-0.062 χ^2/NDF:44.4/40

All: 0.279+/-0.044 χ^2/NDF: 94.4/77



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.003 χ^2/NDF:23.4/21

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.003 χ^2/NDF:17.0/20

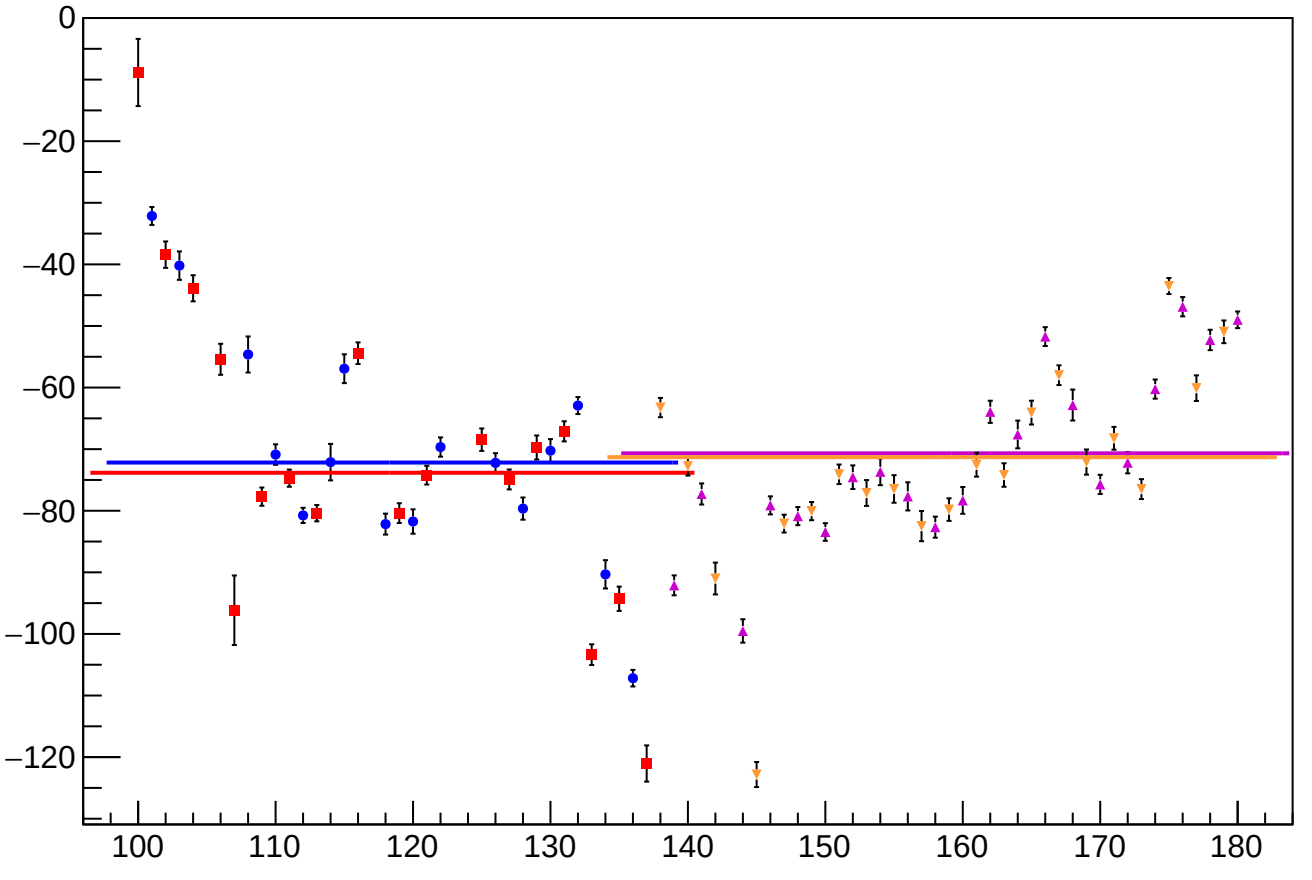
Left: 0.025+/-0.002 χ^2/NDF: 40.6/42

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.022+/-0.003 χ^2/NDF:39.9/36

Out: 0.023+/-0.003 χ^2/NDF:8785.6/40

All: 0.022+/-0.002 χ^2/NDF: 8825.5/77



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.301+/-0.387 χ^2/NDF:1586.4/20

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -70.678+/-0.372 χ^2/NDF:1505.1/20

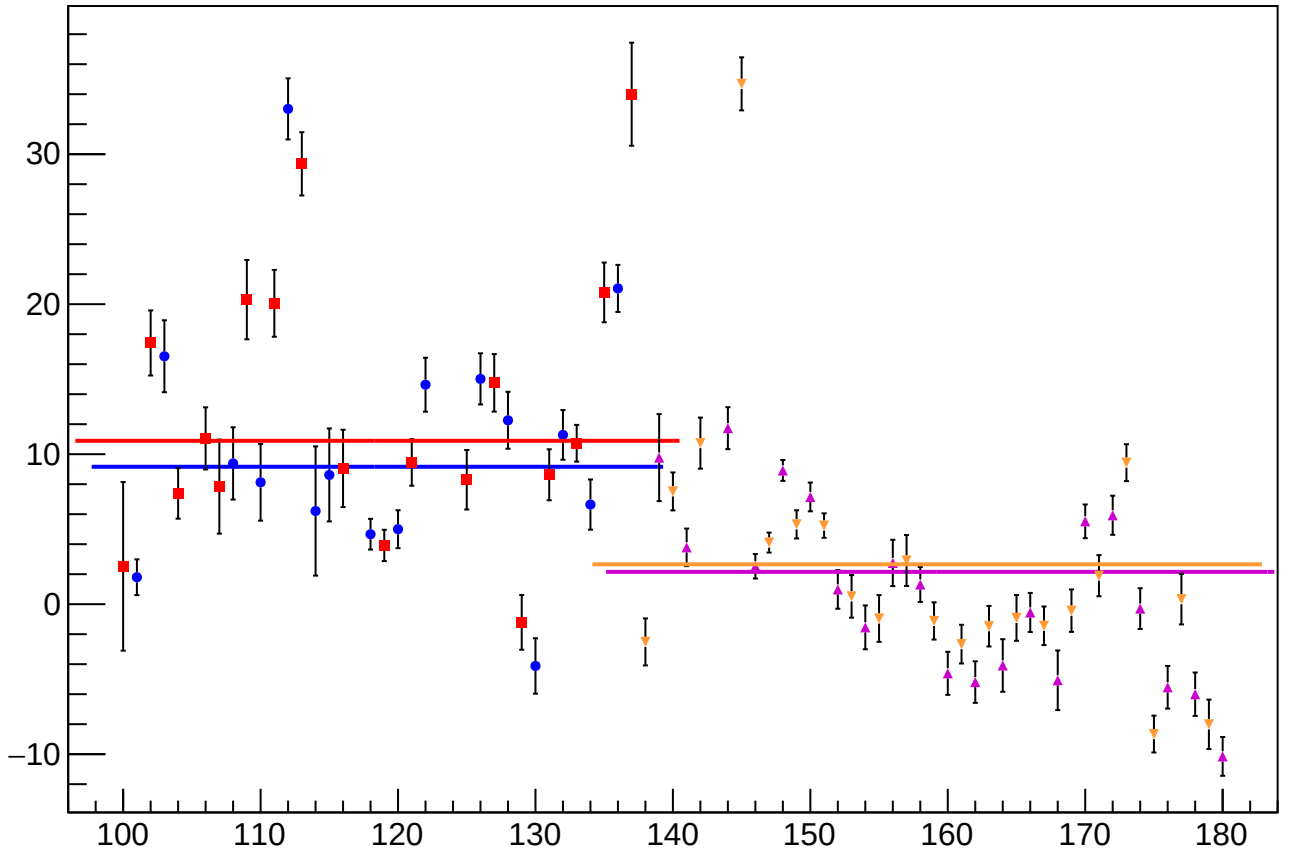
Left: -70.978+/-0.268 χ^2/NDF: 3092.9/41

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -71.315+/-0.282 χ^2/NDF:3447.9/36

Out: -72.430+/-0.288 χ^2/NDF:3163.2/38

All: -71.862+/-0.201 χ^2/NDF: 6618.8/75



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 2.659+/-0.270 χ^2/NDF:622.6/20

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 2.154+/-0.269 χ^2/NDF:438.1/20

Left: 2.406+/-0.190 χ^2/NDF: 1062.5/41

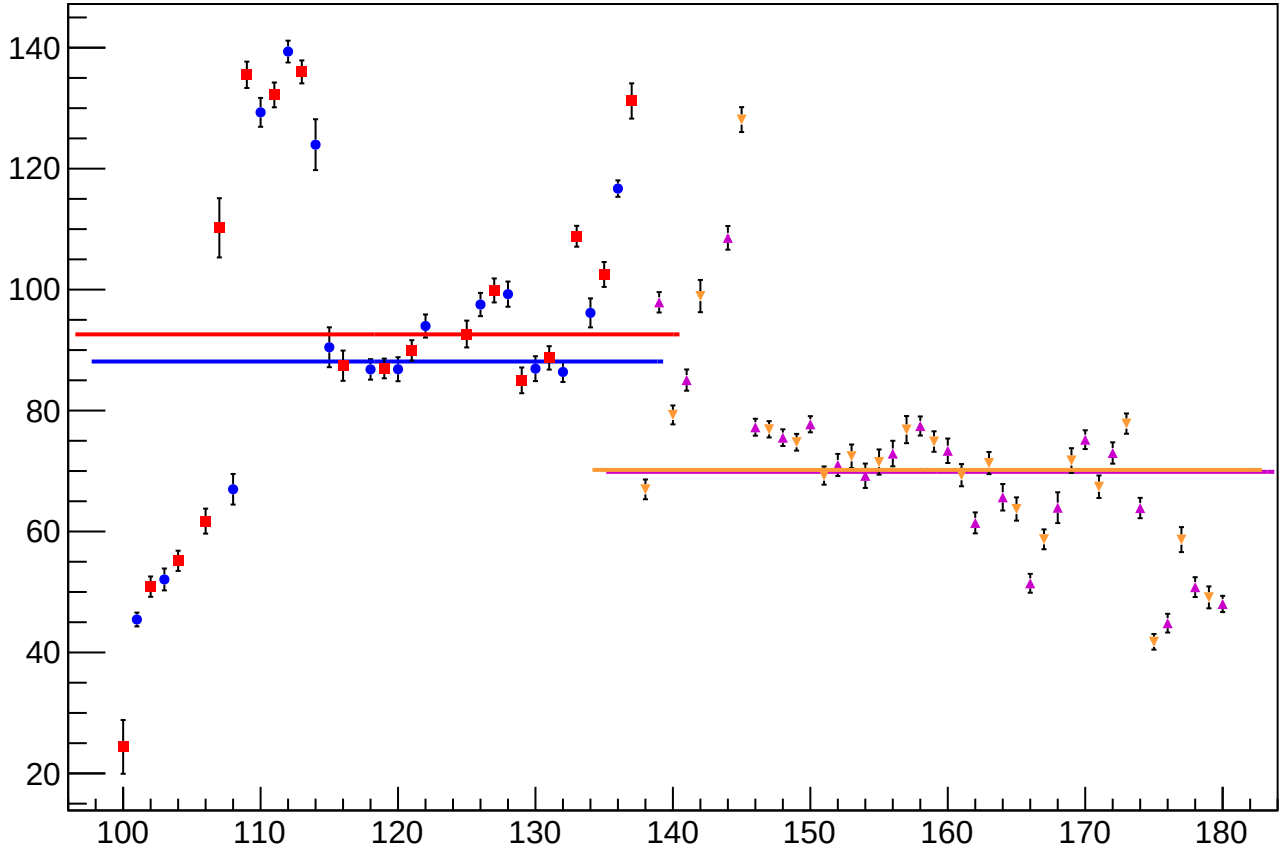
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 4.157+/-0.227 χ^2/NDF:984.2/36

Out: 4.906+/-0.230 χ^2/NDF:1167.2/38

All: 4.527+/-0.162 χ^2/NDF: 2156.8/75

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: 70.186+/-0.379 χ^2/NDF:1734.2/20

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 69.868+/-0.365 χ^2/NDF:1710.3/20

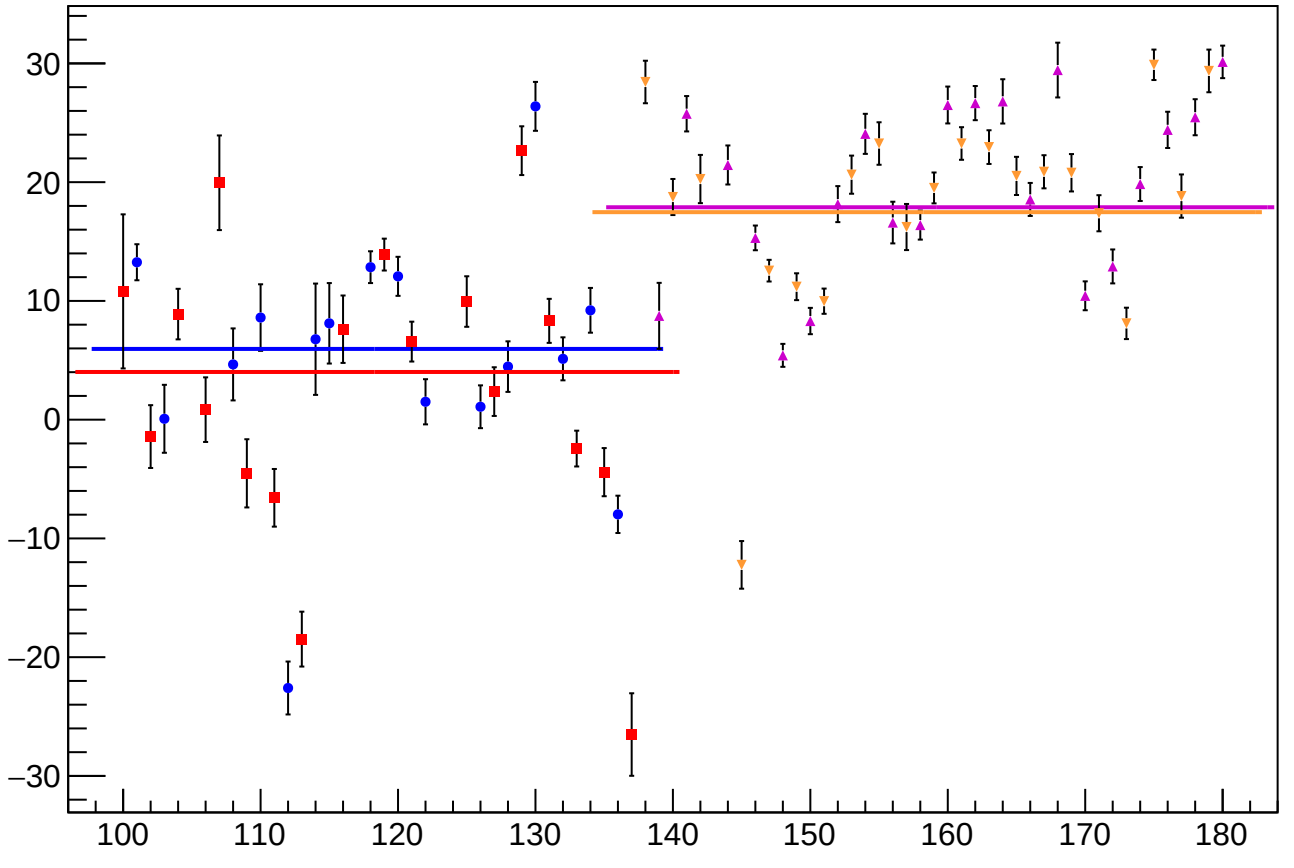
Left: 70.021+/-0.263 χ^2/NDF: 3444.9/41

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 76.765+/-0.288 χ^2/NDF:6214.4/36

Out: 78.715+/-0.298 χ^2/NDF:6277.9/38

All: 77.707+/-0.207 χ^2/NDF: 12514.4/75



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.475+/-0.313 χ^2/NDF:621.2/20

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 17.887+/-0.309 χ^2/NDF:597.2/20

Left: 17.683+/-0.220 χ^2/NDF: 1219.3/41

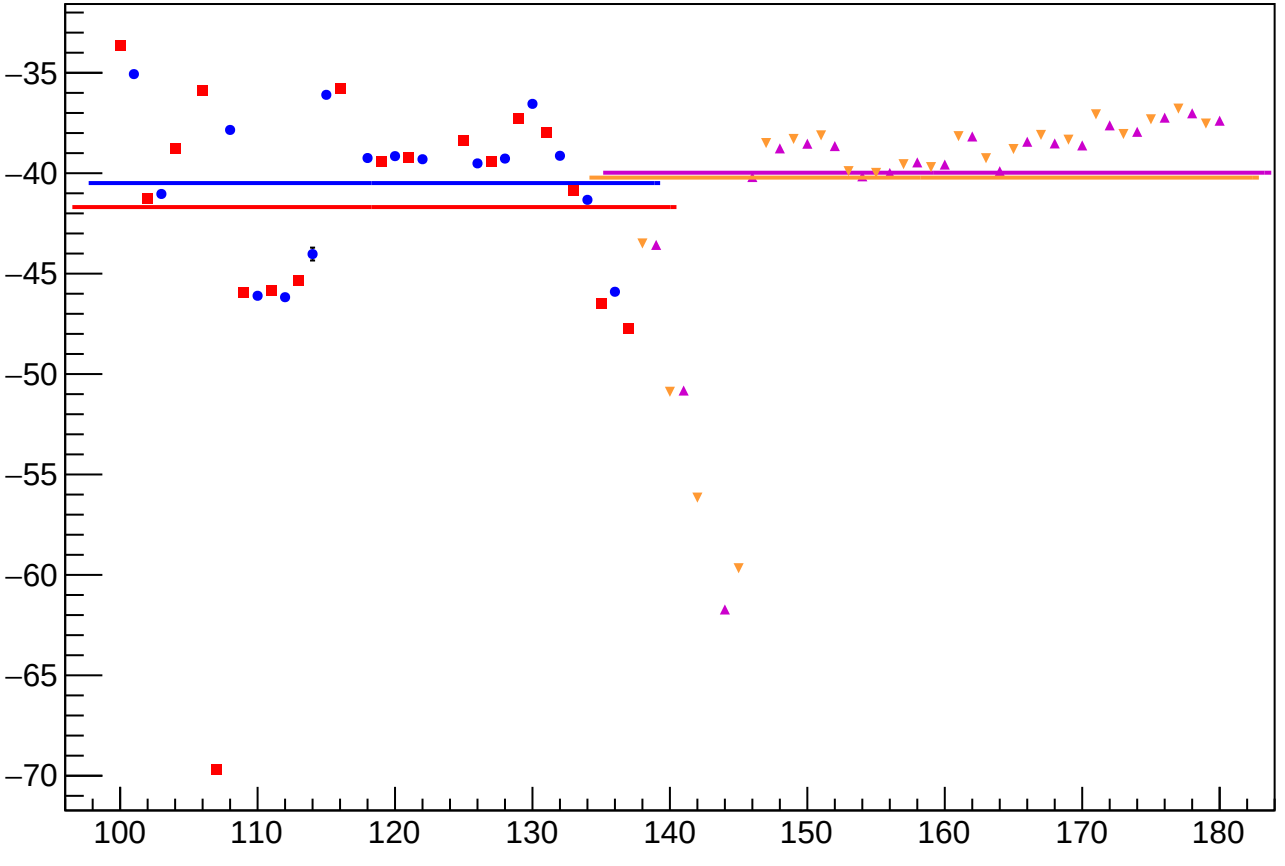
Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 14.541+/-0.262 χ^2/NDF:1442.4/36

Out: 13.792+/-0.267 χ^2/NDF:1545.4/38

All: 14.173+/-0.187 χ^2/NDF: 2991.8/75

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.218+/-0.015 χ^2/NDF:120612.5/20

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -39.975+/-0.014 χ^2/NDF:99257.5/20

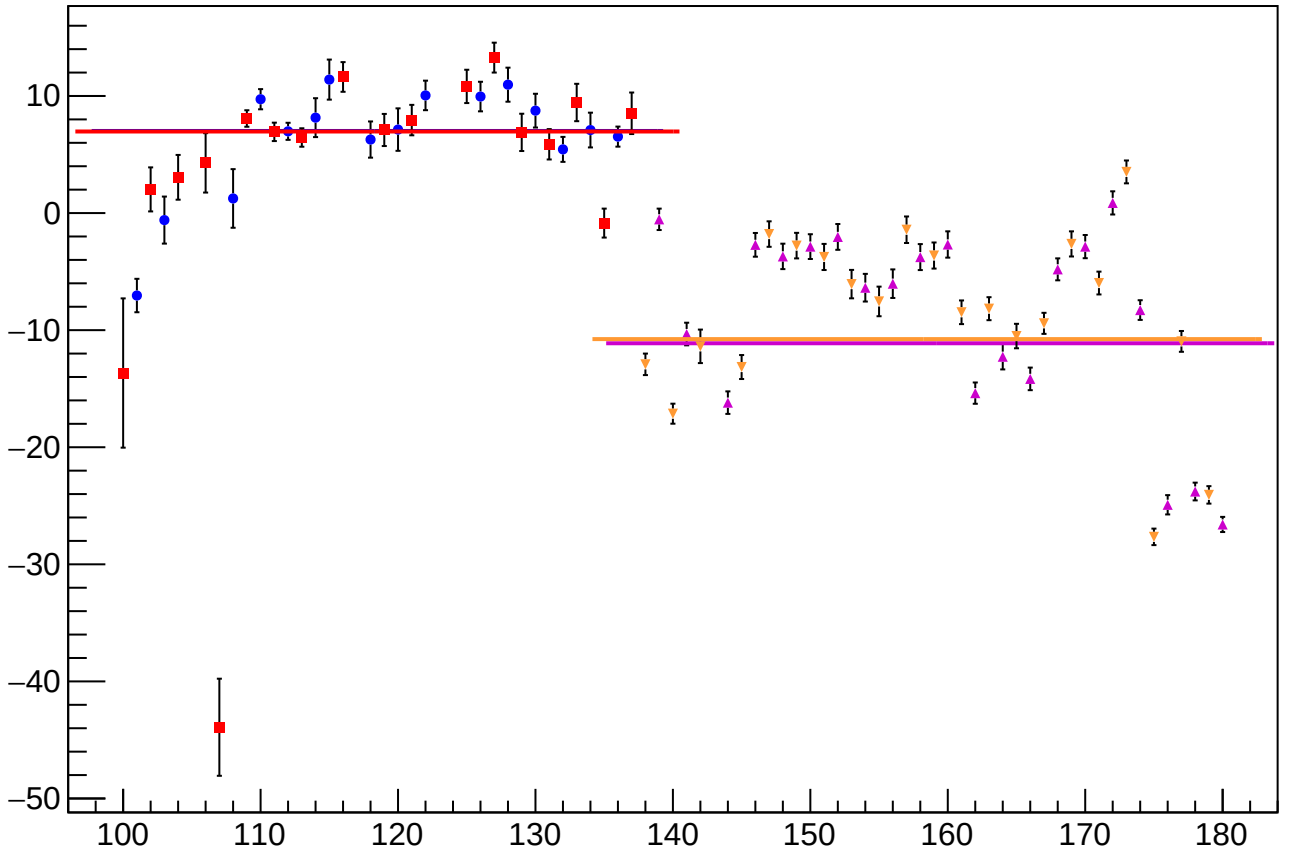
Left: -40.092+/-0.010 χ^2/NDF: 220015.1/41

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.077+/-0.013 χ^2/NDF:117649.5/36

Out: -40.510+/-0.013 χ^2/NDF:159466.9/38

All: -40.286+/-0.009 χ^2/NDF: 277688.1/75



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -10.764+/-0.215 χ^2/NDF:1561.3/20

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -11.120+/-0.208 χ^2/NDF:1977.6/20

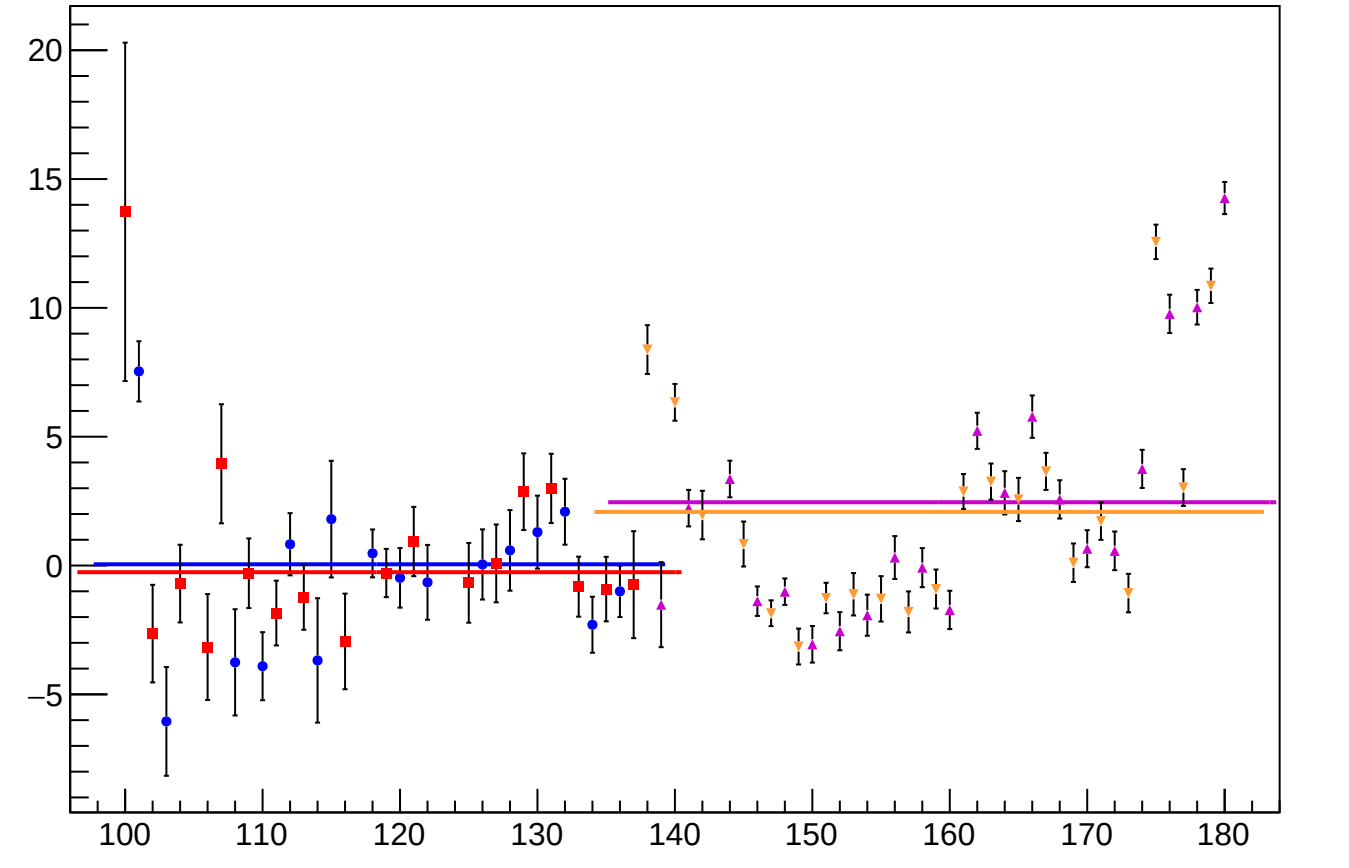
Left: -10.948+/-0.149 χ^2/NDF: 3540.4/41

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -5.488+/-0.172 χ^2/NDF:4503.5/36

Out: -4.692+/-0.175 χ^2/NDF:4152.4/38

All: -5.095+/-0.123 χ^2/NDF: 8666.4/75



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 2.082+/-0.158 χ^2/NDF:755.1/20

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 2.456+/-0.157 χ^2/NDF:912.9/20

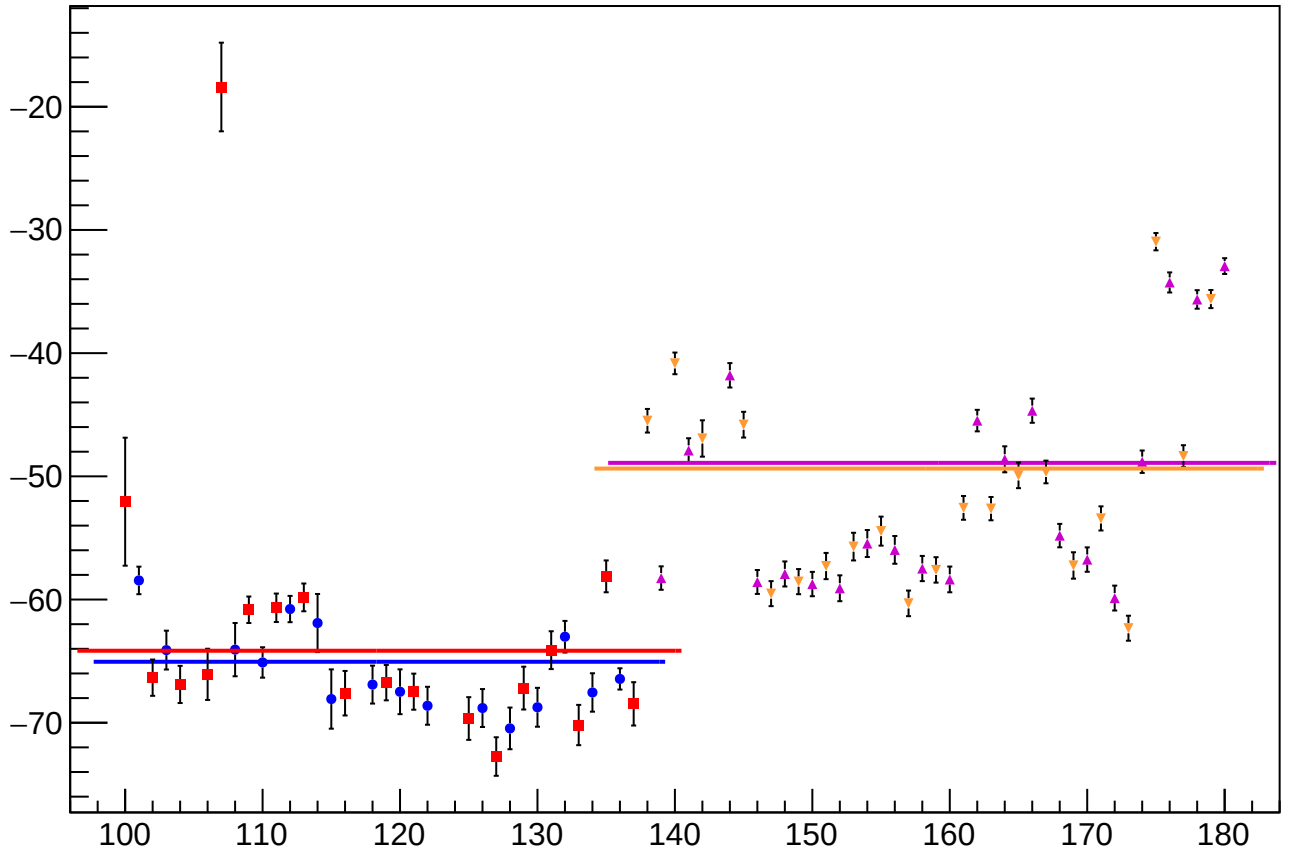
Left: 2.270+/-0.112 χ^2/NDF: 1670.9/41

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 2.014+/-0.142 χ^2/NDF:1031.0/36

Out: 1.674+/-0.144 χ^2/NDF:820.8/38

All: 1.846+/-0.101 χ^2/NDF: 1854.7/75



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -49.368+/-0.212 χ^2/NDF:1883.1/20

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -48.906+/-0.205 χ^2/NDF:2253.4/20

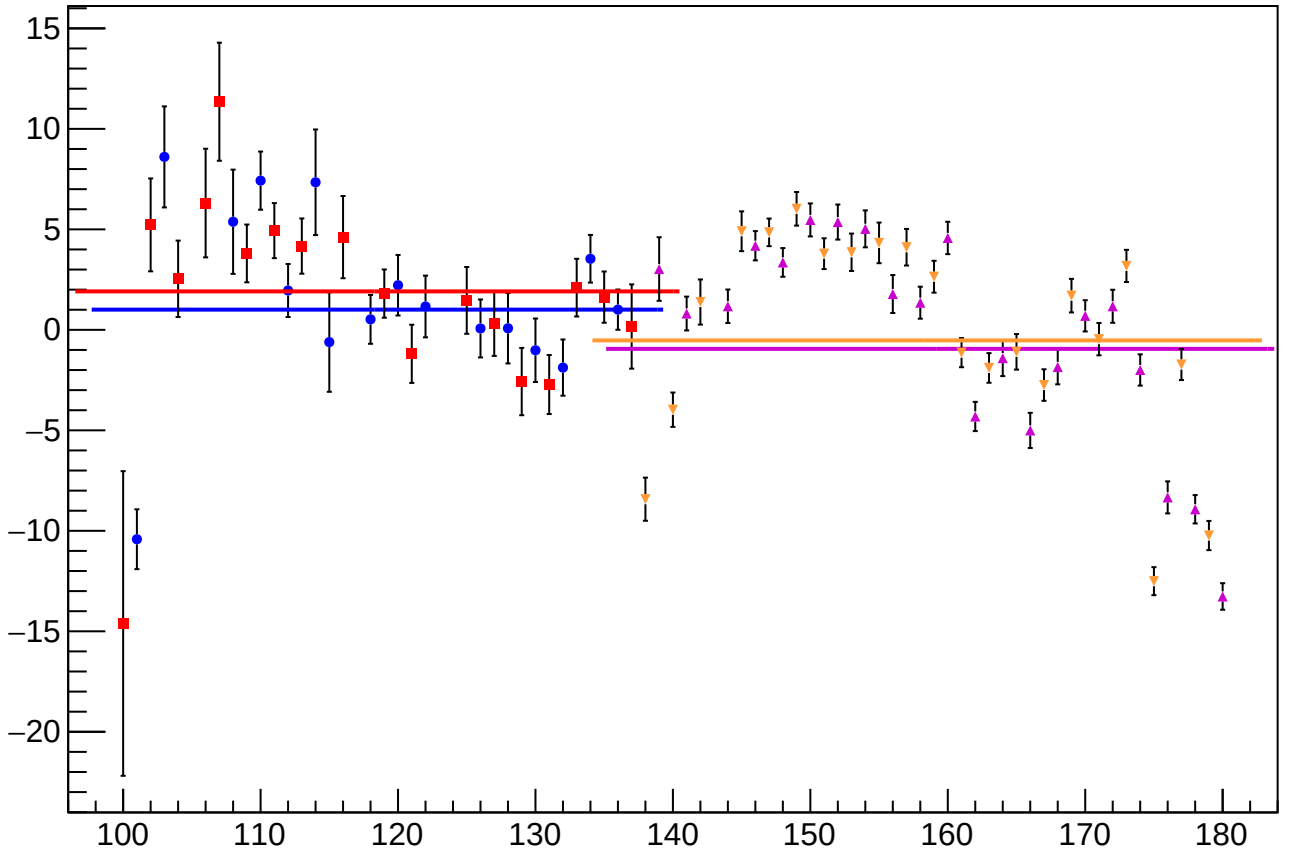
Left: -49.129+/-0.147 χ^2/NDF: 4139.0/41

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -52.954+/-0.177 χ^2/NDF:3904.9/36

Out: -53.163+/-0.183 χ^2/NDF:3438.0/38

All: -53.055+/-0.127 χ^2/NDF: 7343.6/75



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -0.525+/-0.179 χ^2/NDF:862.4/20

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: -0.946+/-0.177 χ^2/NDF:942.2/20

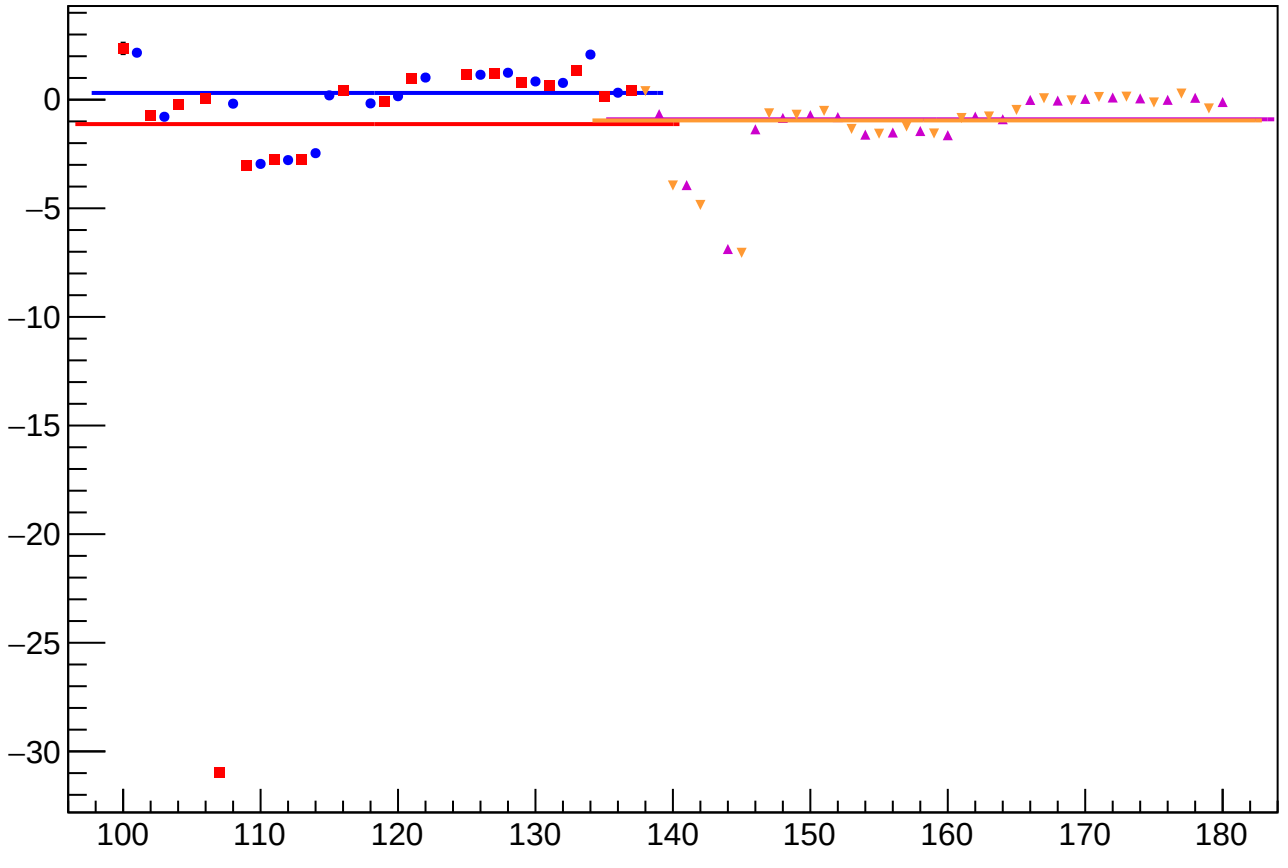
Left: -0.738+/-0.126 χ^2/NDF: 1807.5/41

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: -0.590+/-0.160 χ^2/NDF:1073.6/36

Out: -0.098+/-0.163 χ^2/NDF:949.2/38

All: -0.348+/-0.114 χ^2/NDF: 2027.4/75



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.954+/-0.008 χ^2/NDF:40205.7/20

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -0.903+/-0.008 χ^2/NDF:31266.3/20

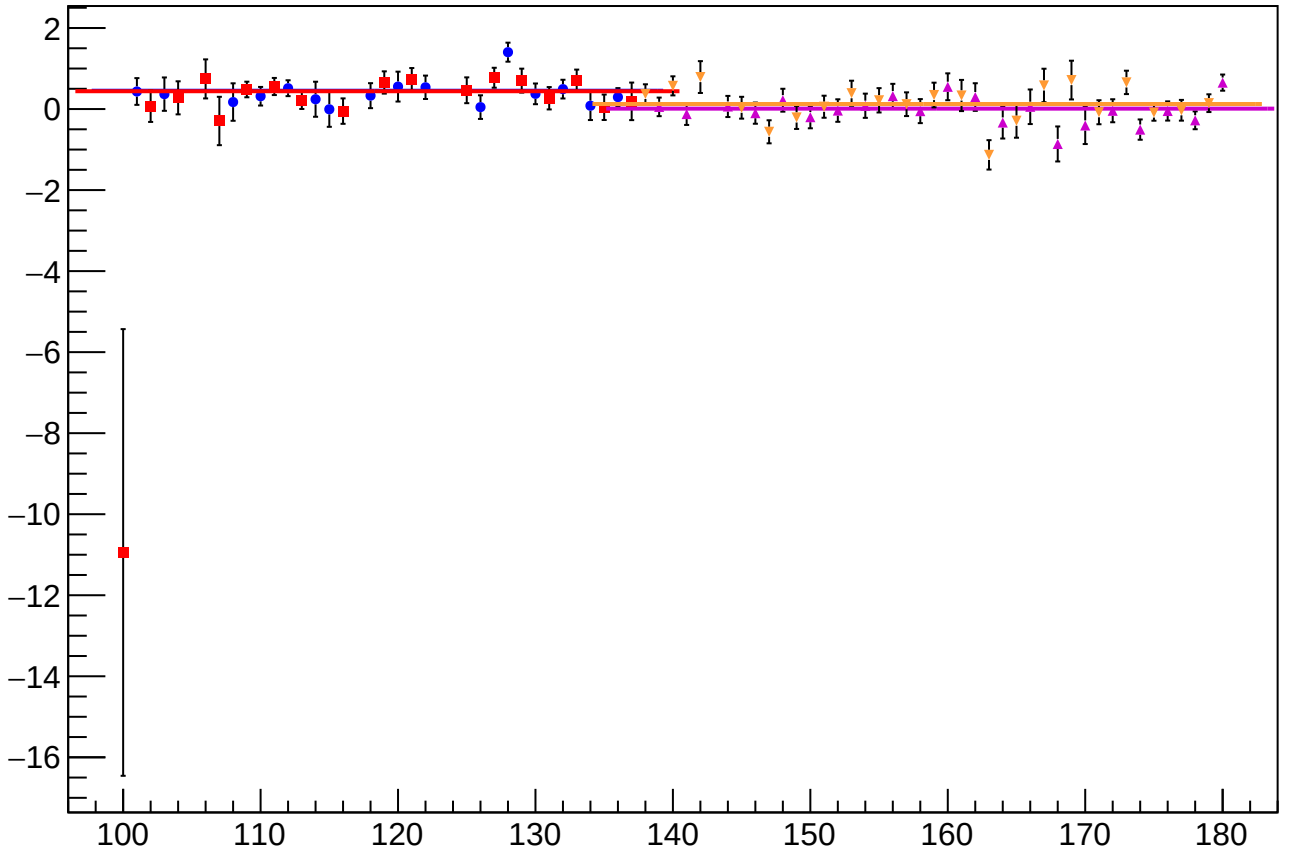
Left: -0.928+/-0.006 χ^2/NDF: 71492.5/41

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.755+/-0.007 χ^2/NDF:39029.9/36

Out: -0.974+/-0.008 χ^2/NDF:86605.0/38

All: -0.861+/-0.005 χ^2/NDF: 126064.0/75



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.063 χ^2/NDF:37.6/20

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.010+/-0.061 χ^2/NDF:28.2/20

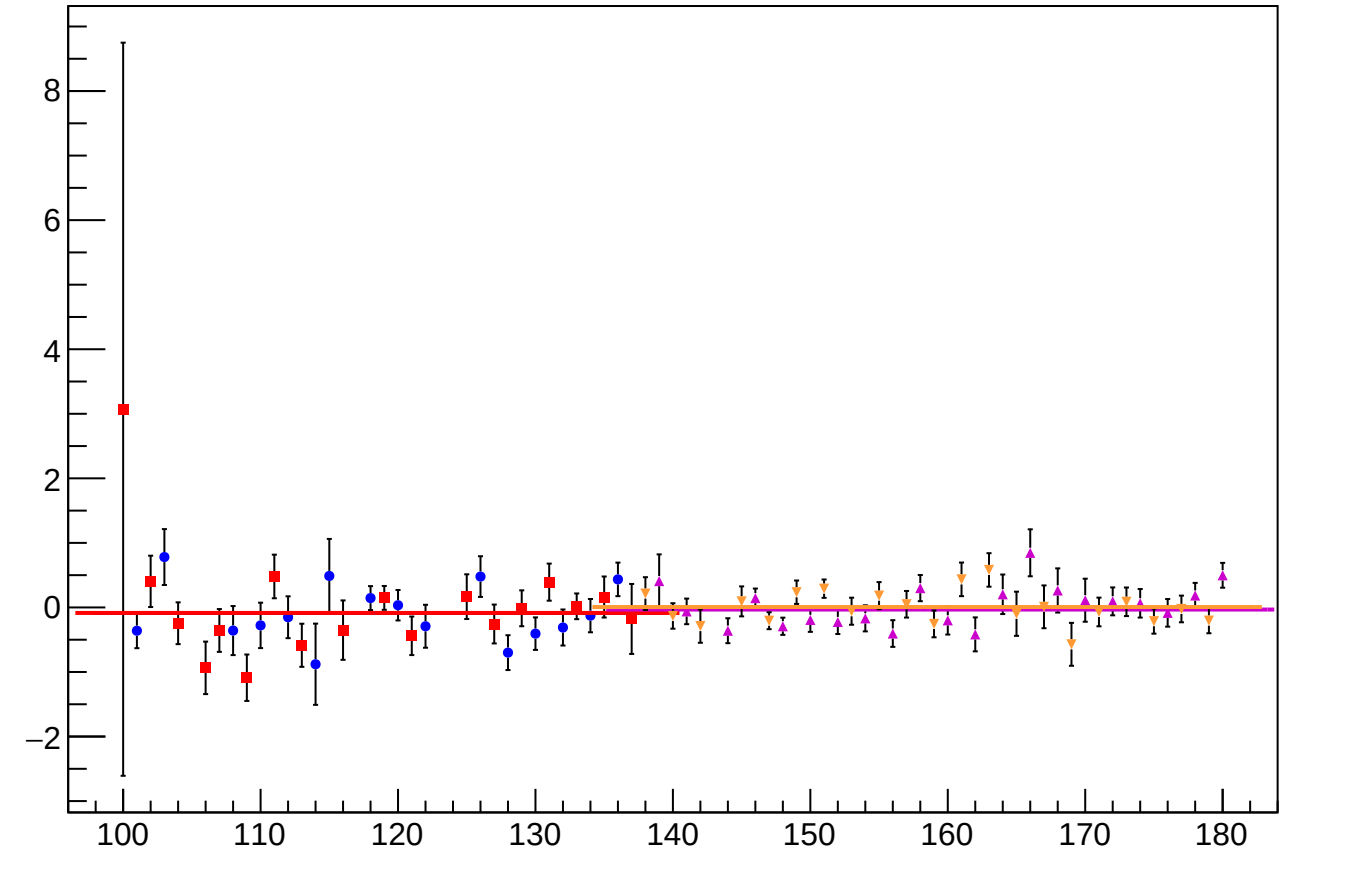
Left: 0.066+/-0.044 χ^2/NDF: 67.5/41

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.198+/-0.046 χ^2/NDF:73.0/36

Out: 0.266+/-0.047 χ^2/NDF:67.4/38

All: 0.232+/-0.033 χ^2/NDF: 141.5/75



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.006+/-0.046 χ^2/NDF:26.7/20

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.033+/-0.046 χ^2/NDF:36.9/20

Left: -0.013+/-0.032 χ^2/NDF: 64.0/41

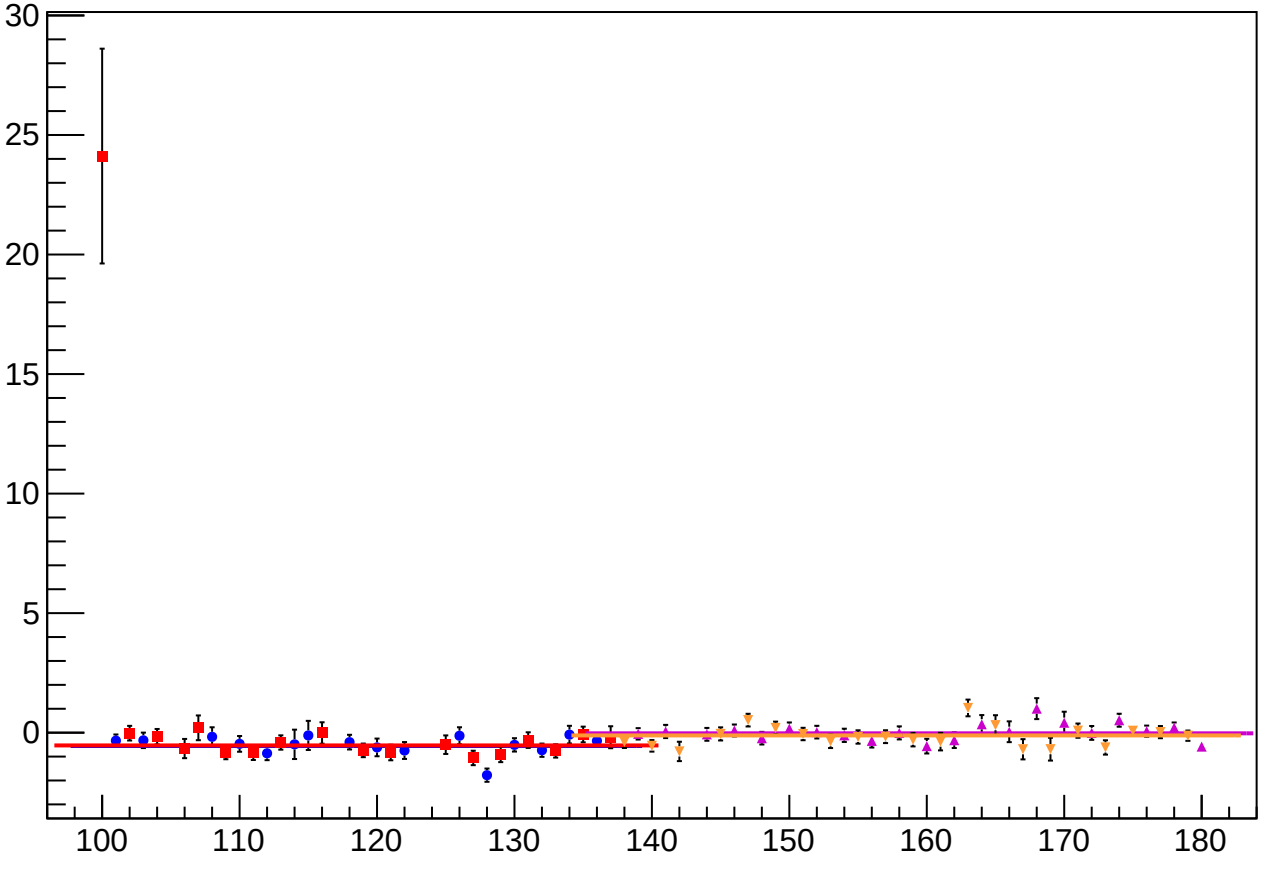
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.048+/-0.039 χ^2/NDF:62.7/36

Out: -0.019+/-0.039 χ^2/NDF:55.7/38

All: -0.034+/-0.027 χ^2/NDF: 118.6/75

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: -0.115+/-0.062 χ^2/NDF:35.9/20

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.027+/-0.060 χ^2/NDF:27.4/20

Left: -0.070+/-0.043 χ^2/NDF: 64.4/41

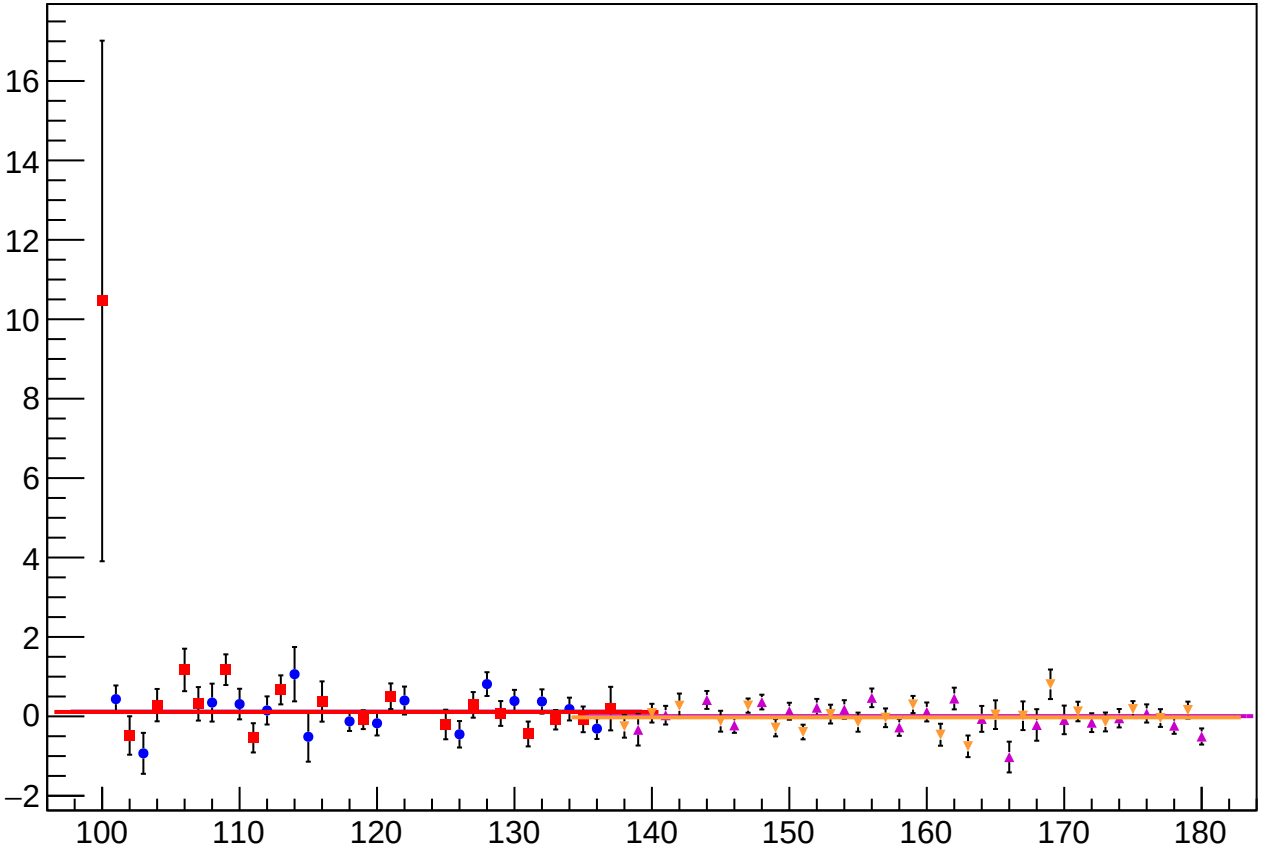
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.221+/-0.048 χ^2/NDF:84.0/36

Out: -0.270+/-0.049 χ^2/NDF:102.1/38

All: -0.245+/-0.034 χ^2/NDF: 186.6/75

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.025+/-0.053 χ^2/NDF:29.7/20

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.005+/-0.052 χ^2/NDF:35.3/20

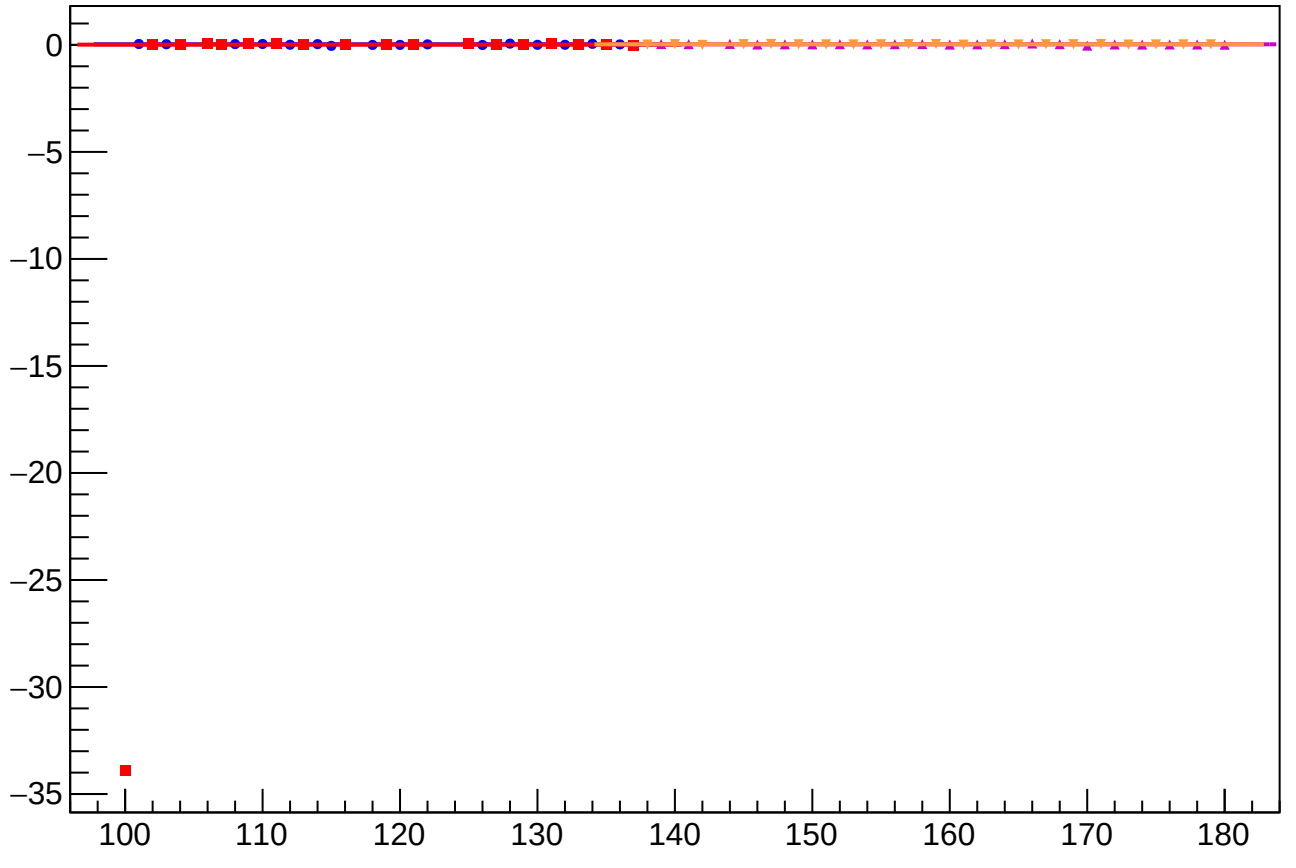
Left: -0.010+/-0.037 χ^2/NDF: 65.1/41

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.037+/-0.044 χ^2/NDF:60.2/36

Out: 0.013+/-0.045 χ^2/NDF:60.6/38

All: 0.025+/-0.031 χ^2/NDF: 120.9/75



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.002 χ^2/NDF:15.1/20

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.027+/-0.002 χ^2/NDF:37.6/20

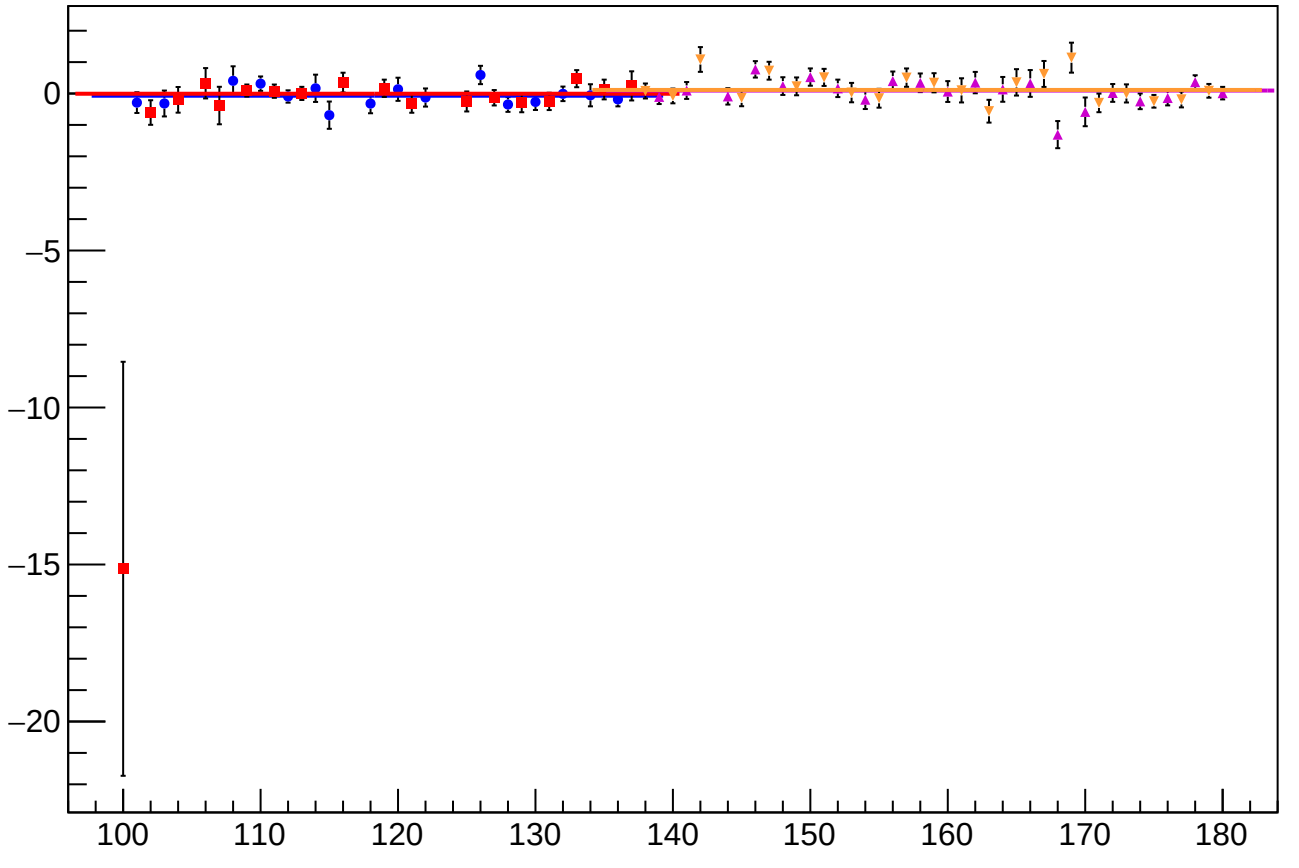
Left: 0.027+/-0.002 χ^2/NDF: 52.7/41

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.027+/-0.002 χ^2/NDF:52.2/36

Out: 0.025+/-0.002 χ^2/NDF:22285.8/38

All: 0.026+/-0.001 χ^2/NDF: 22338.7/75



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.114+/-0.063 χ^2/NDF:34.4/20

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.094+/-0.061 χ^2/NDF:31.5/20

Left: 0.104+/-0.044 χ^2/NDF: 66.0/41

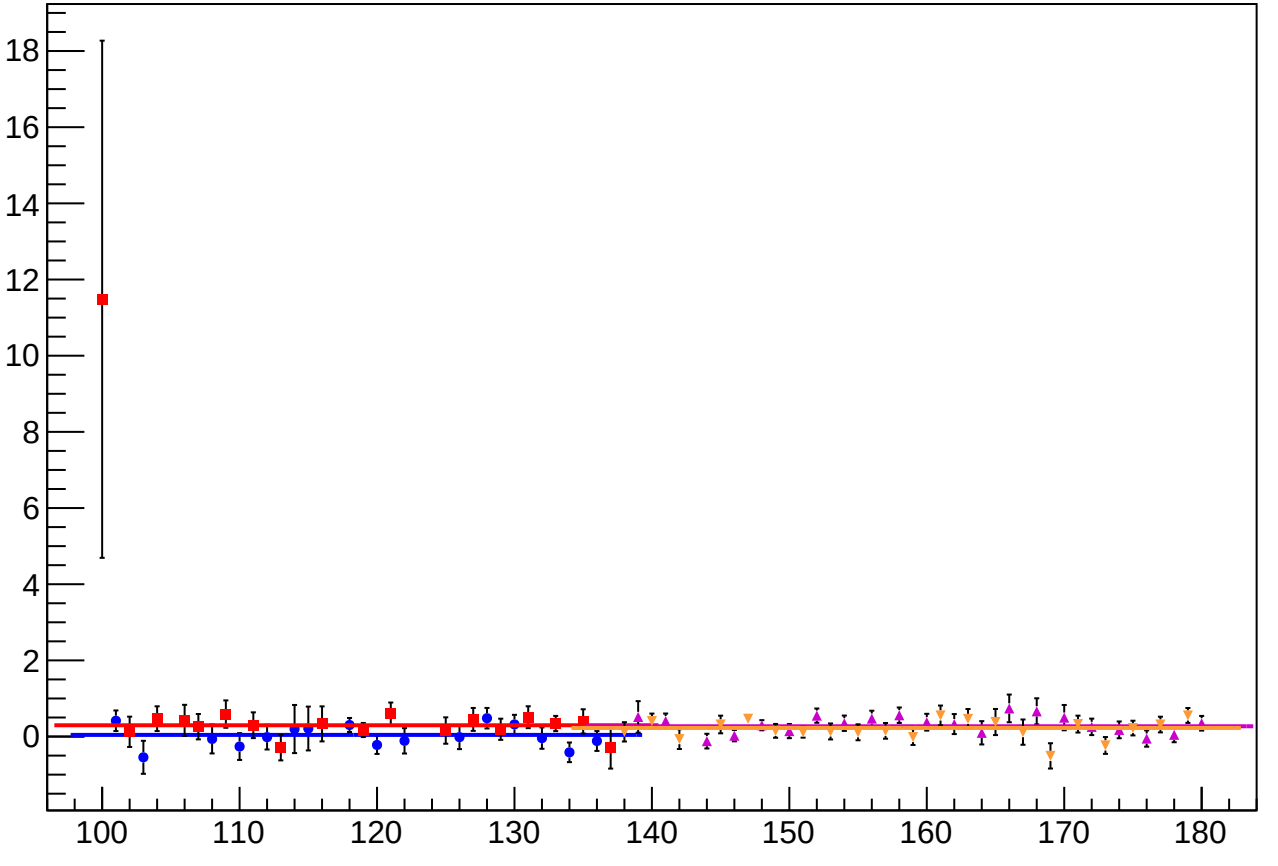
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.024+/-0.046 χ^2/NDF:50.1/36

Out: 0.060+/-0.047 χ^2/NDF:54.2/38

All: 0.042+/-0.033 χ^2/NDF: 104.6/75

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.225+/-0.046 χ^2/NDF:23.7/20

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.270+/-0.046 χ^2/NDF:21.5/20

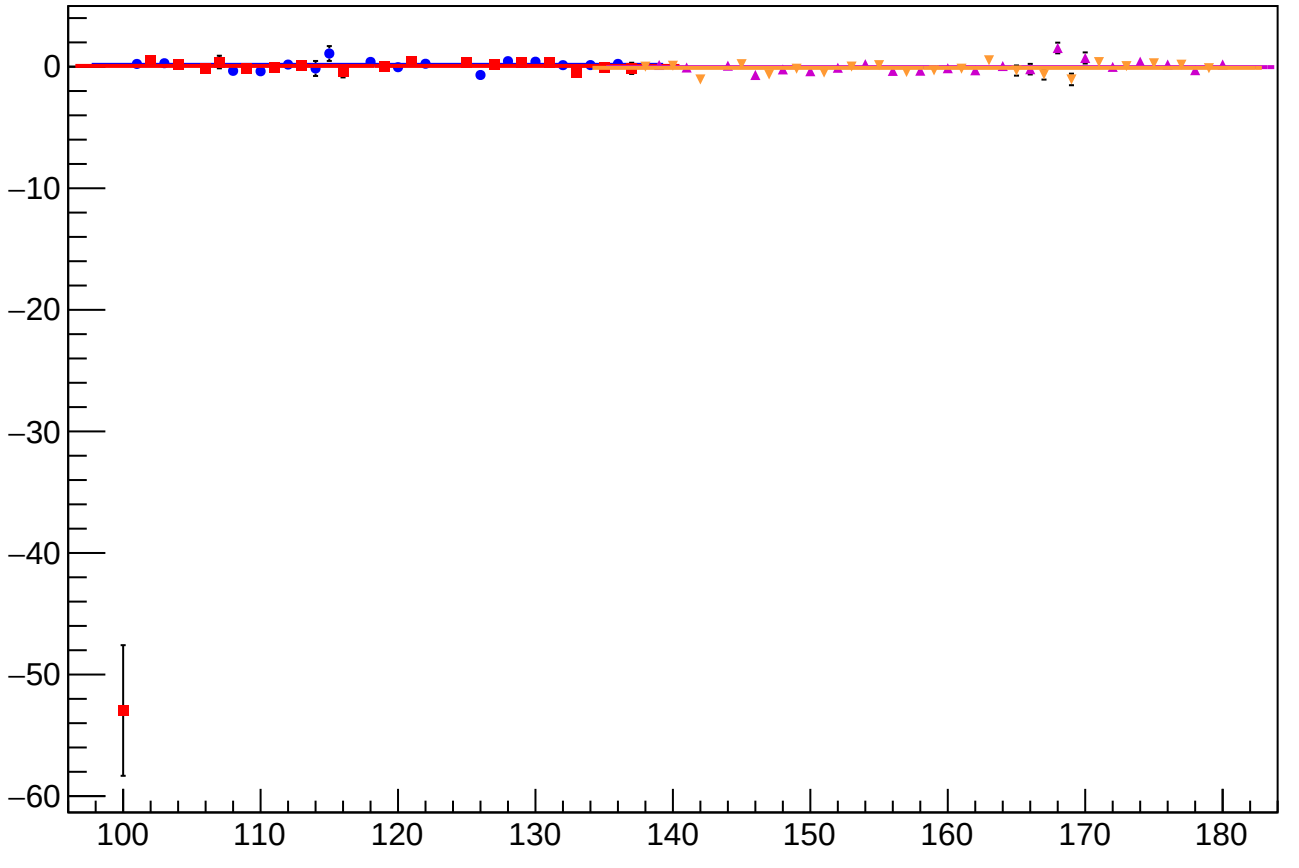
Left: 0.248+/-0.032 χ^2/NDF: 45.7/41

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.206+/-0.039 χ^2/NDF:44.1/36

Out: 0.245+/-0.039 χ^2/NDF:35.4/38

All: 0.226+/-0.027 χ^2/NDF: 80.0/75



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.093+/-0.062 χ^2/NDF:33.1/20

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.034+/-0.060 χ^2/NDF:35.4/20

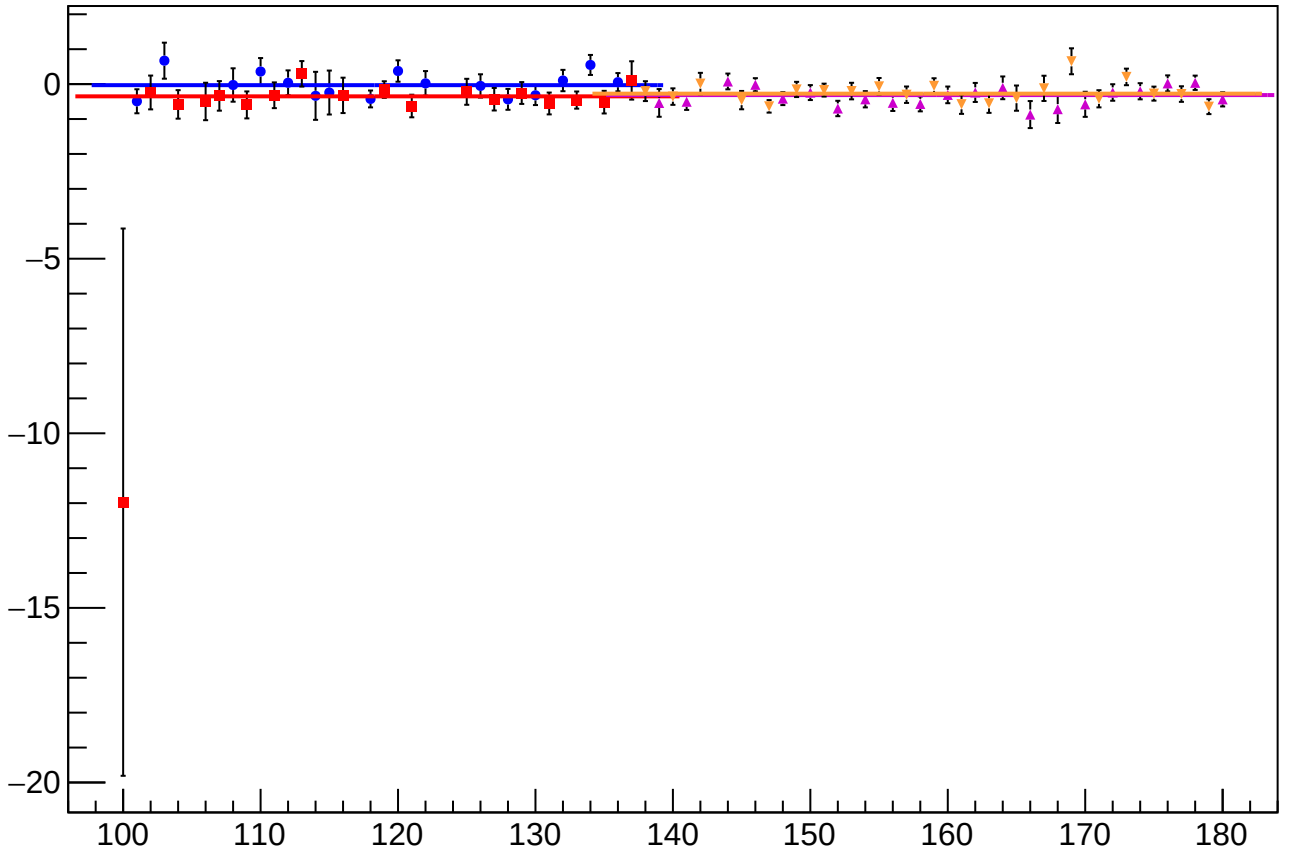
Left: -0.063+/-0.043 χ^2/NDF: 69.0/41

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.034+/-0.048 χ^2/NDF:54.5/36

Out: -0.034+/-0.049 χ^2/NDF:144.8/38

All: 0.000+/-0.034 χ^2/NDF: 200.4/75



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.274+/-0.053 χ^2/NDF:24.5/20

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.314+/-0.052 χ^2/NDF:22.3/20

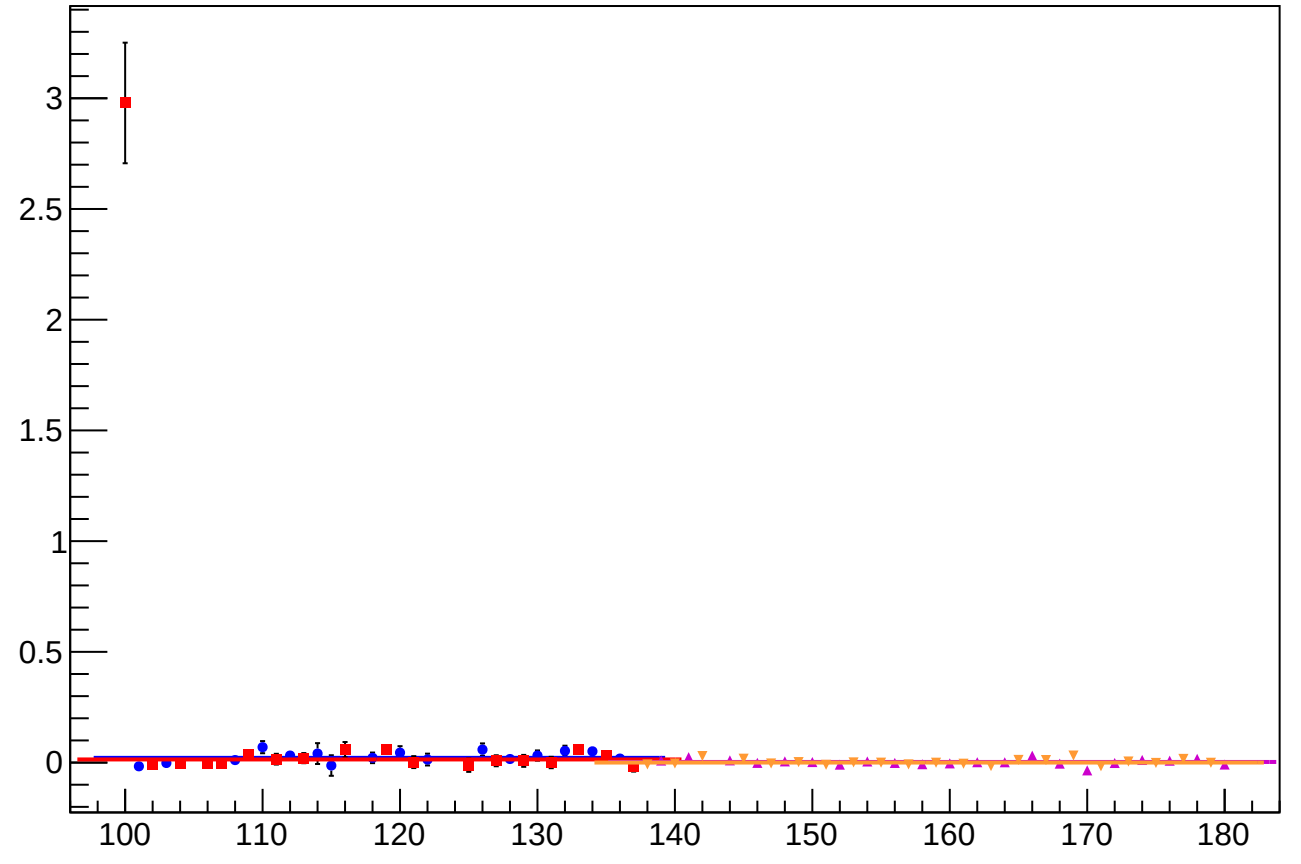
Left: -0.294+/-0.037 χ^2/NDF: 47.1/41

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.235+/-0.044 χ^2/NDF:47.4/36

Out: -0.295+/-0.045 χ^2/NDF:34.5/38

All: -0.265+/-0.031 χ^2/NDF: 82.8/75



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.002 χ^2/NDF:21.3/20

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.002 χ^2/NDF:21.9/20

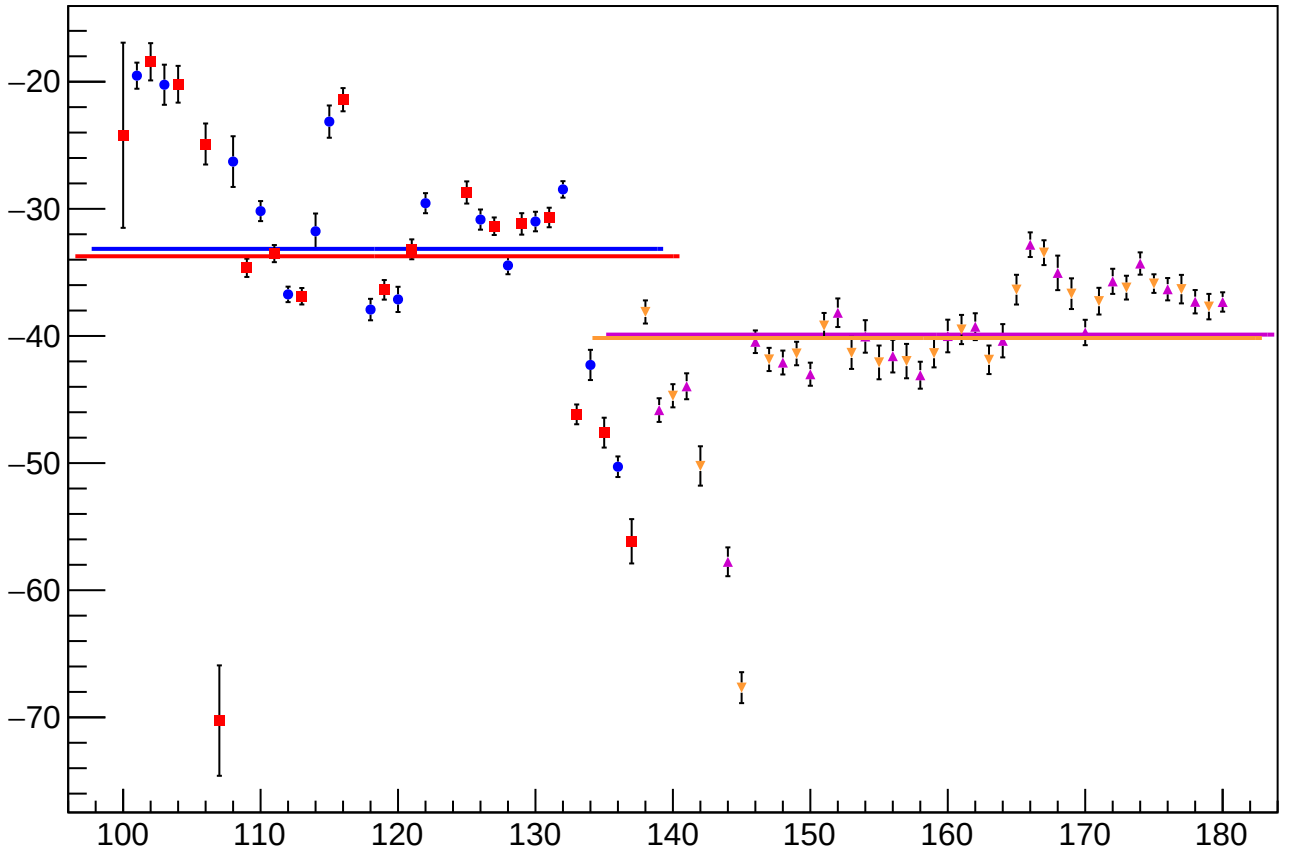
Left: 0.001+/-0.002 χ^2/NDF: 43.9/41

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.006+/-0.002 χ^2/NDF:56.4/36

Out: 0.003+/-0.002 χ^2/NDF:168.8/38

All: 0.005+/-0.001 χ^2/NDF: 226.6/75



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.160+/-0.228 χ^2/NDF:741.0/20

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -39.893+/-0.220 χ^2/NDF:496.7/20

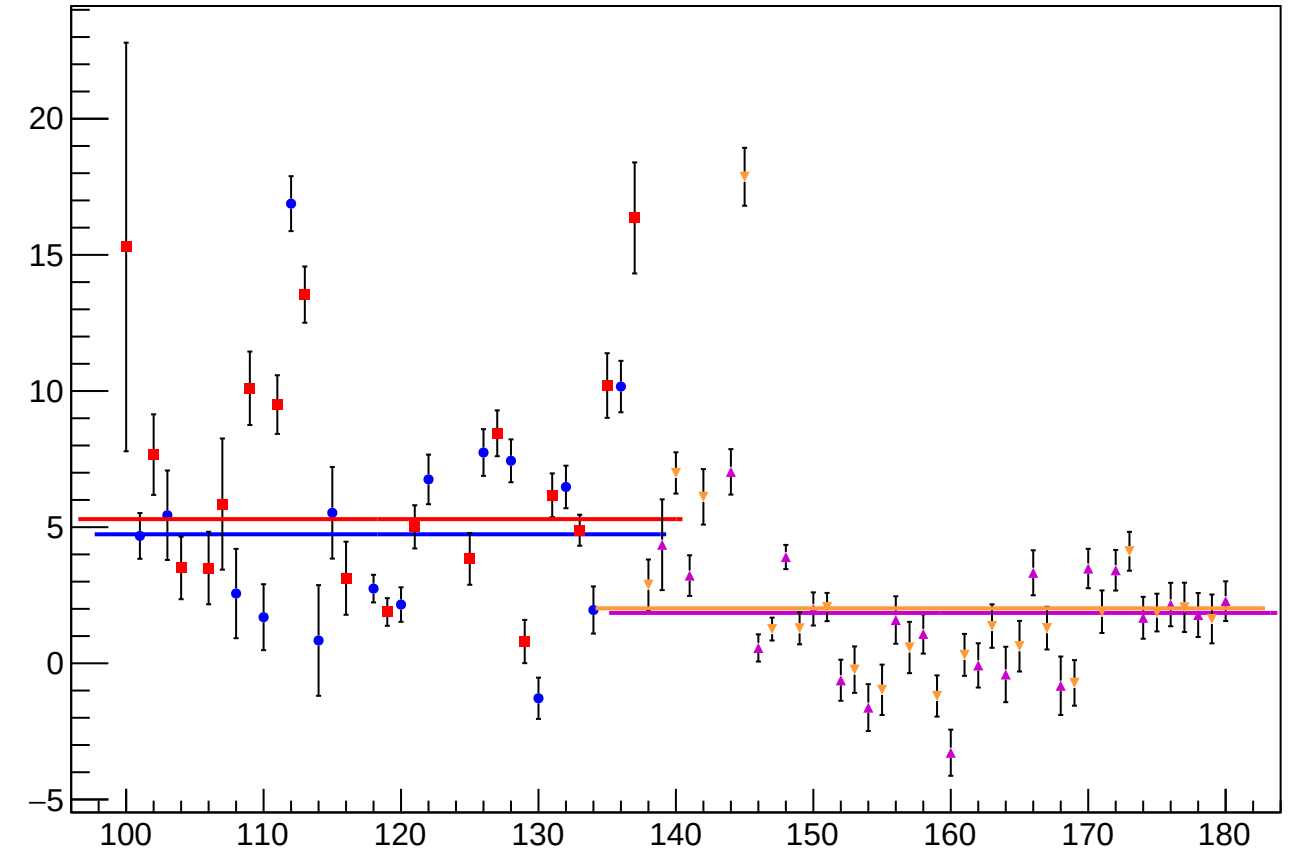
Left: -40.022+/-0.159 χ^2/NDF: 1238.4/41

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.486+/-0.155 χ^2/NDF:1984.6/36

Out: -36.748+/-0.157 χ^2/NDF:2309.6/38

All: -36.616+/-0.110 χ^2/NDF: 4295.6/75



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.020+/-0.162 χ^2/NDF:352.9/20

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.850+/-0.162 χ^2/NDF:167.2/20

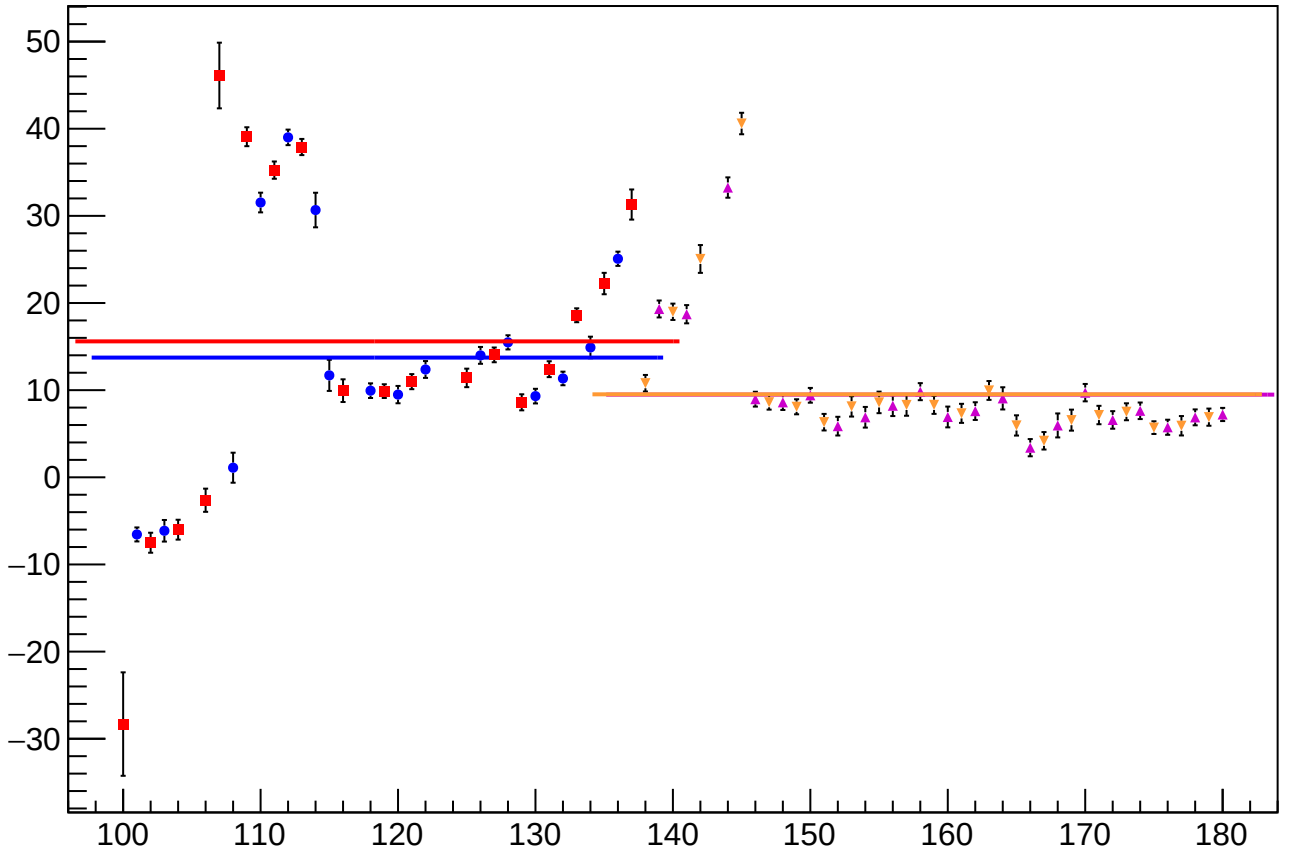
Left: 1.935+/-0.114 χ^2/NDF: 520.6/41

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.867+/-0.130 χ^2/NDF:609.2/36

Out: 3.150+/-0.131 χ^2/NDF:738.7/38

All: 3.007+/-0.092 χ^2/NDF: 1350.3/75



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.522+/-0.224 χ^2/NDF:956.2/20

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 9.487+/-0.217 χ^2/NDF:714.3/20

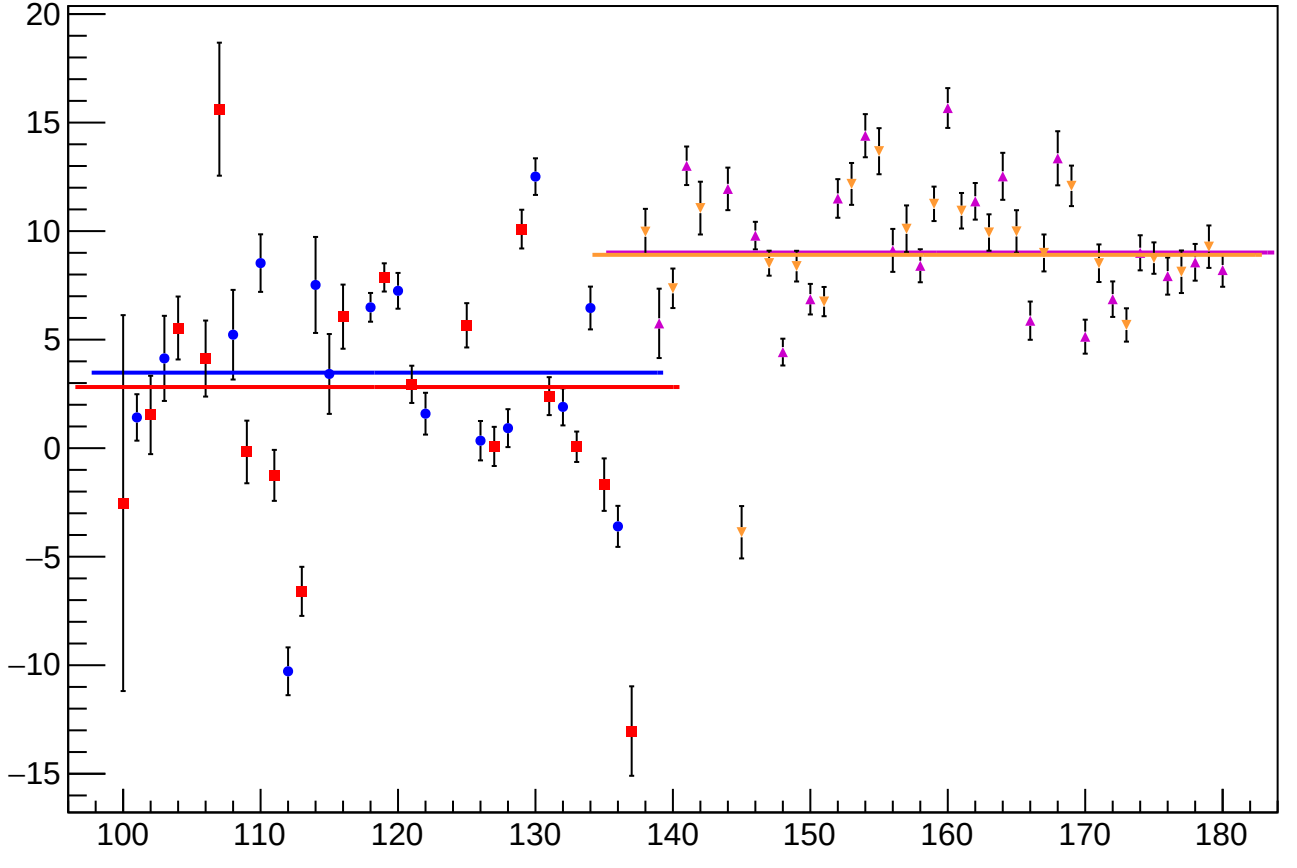
Left: 9.504+/-0.156 χ^2/NDF: 1670.5/41

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.337+/-0.163 χ^2/NDF:3231.8/36

Out: 12.230+/-0.167 χ^2/NDF:4109.9/38

All: 11.772+/-0.117 χ^2/NDF: 7356.4/75



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.908+/-0.187 χ^2/NDF:211.4/20

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.014+/-0.185 χ^2/NDF:267.5/20

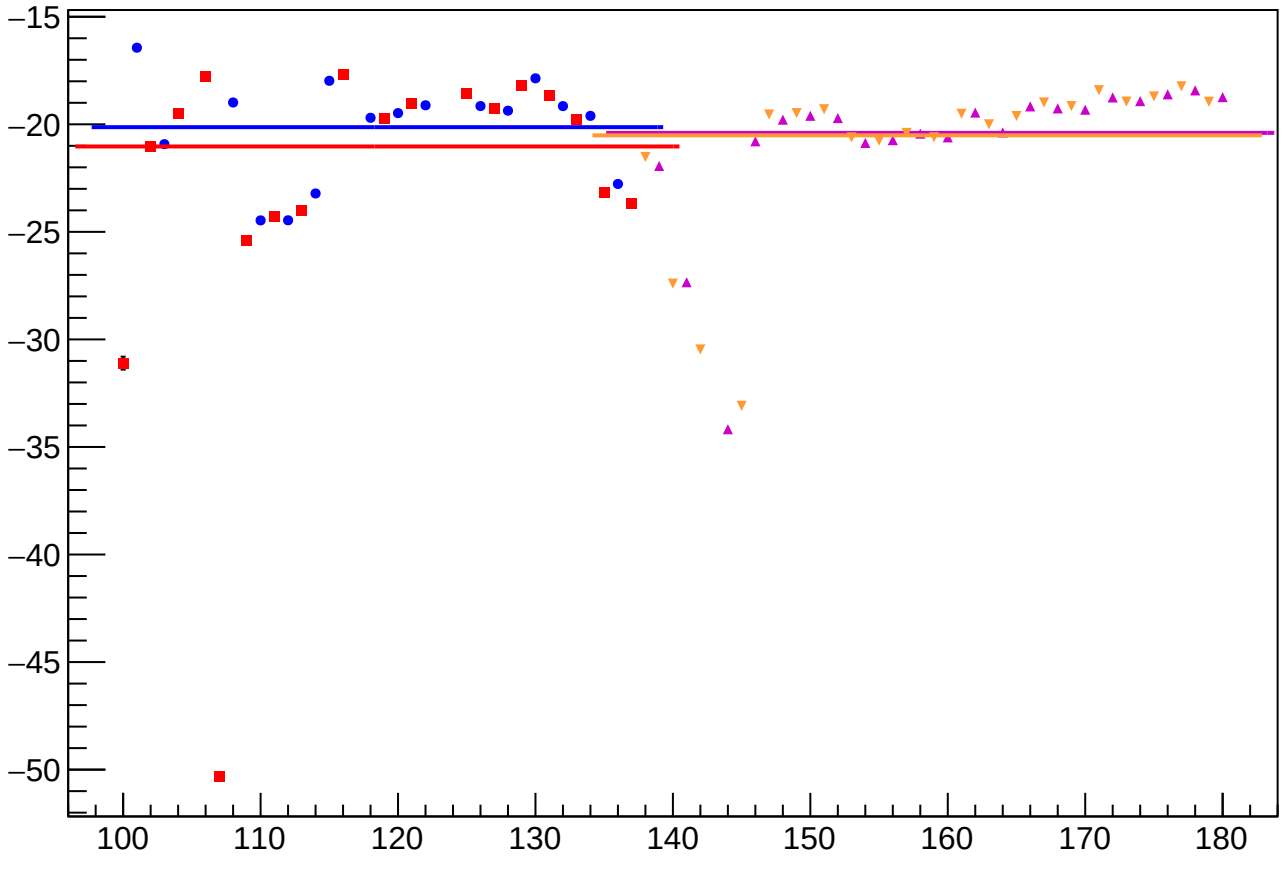
Left: 8.961+/-0.131 χ^2/NDF: 479.1/41

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.097+/-0.149 χ^2/NDF:1006.3/36

Out: 6.803+/-0.151 χ^2/NDF:923.6/38

All: 6.952+/-0.106 χ^2/NDF: 1931.8/75



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.513+/-0.009 χ^2/NDF:137410.2/20

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.398+/-0.008 χ^2/NDF:113131.2/20

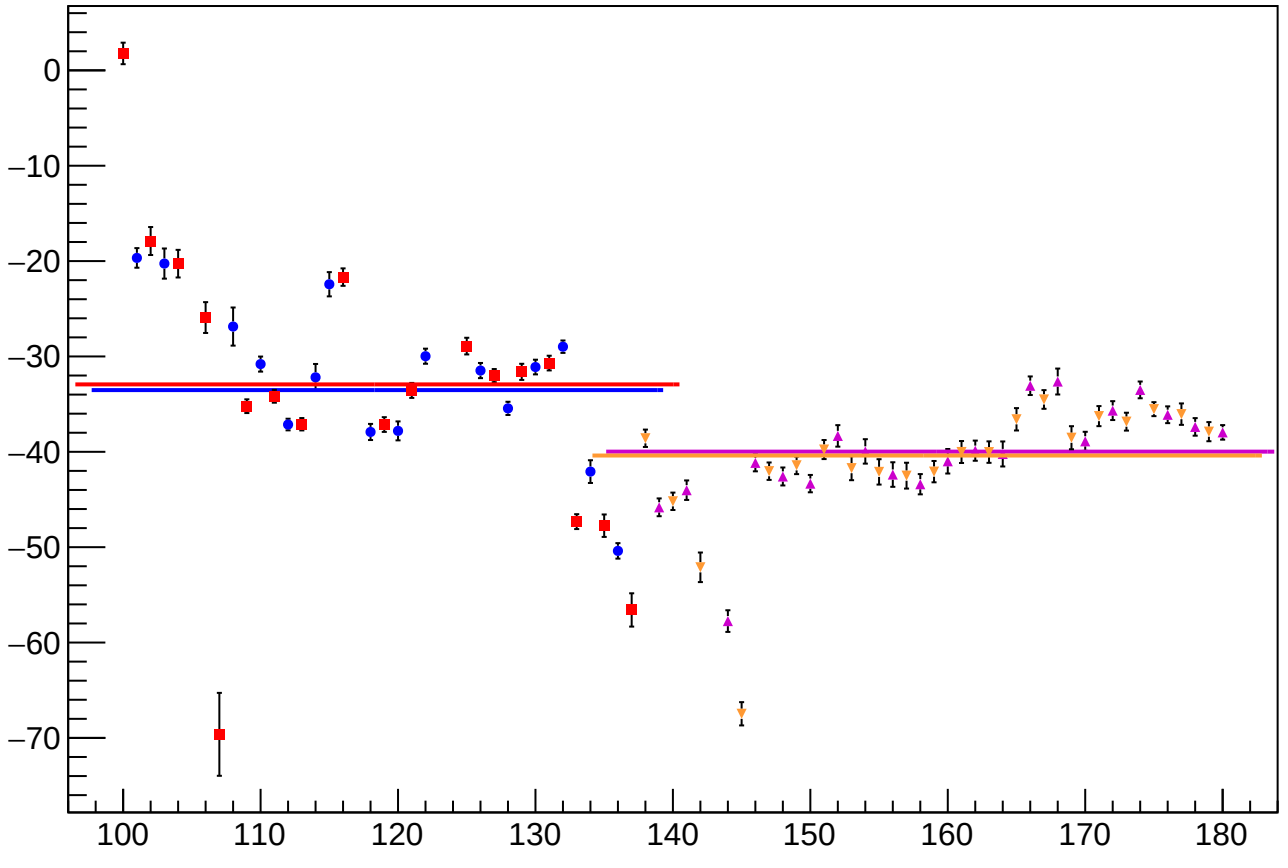
Left: -20.454+/-0.006 χ^2/NDF: 250633.1/41

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.342+/-0.007 χ^2/NDF:133178.9/36

Out: -20.624+/-0.008 χ^2/NDF:195710.9/38

All: -20.478+/-0.005 χ^2/NDF: 329596.1/75



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.389+/-0.229 χ^2/NDF:737.8/20

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -39.981+/-0.221 χ^2/NDF:527.3/20

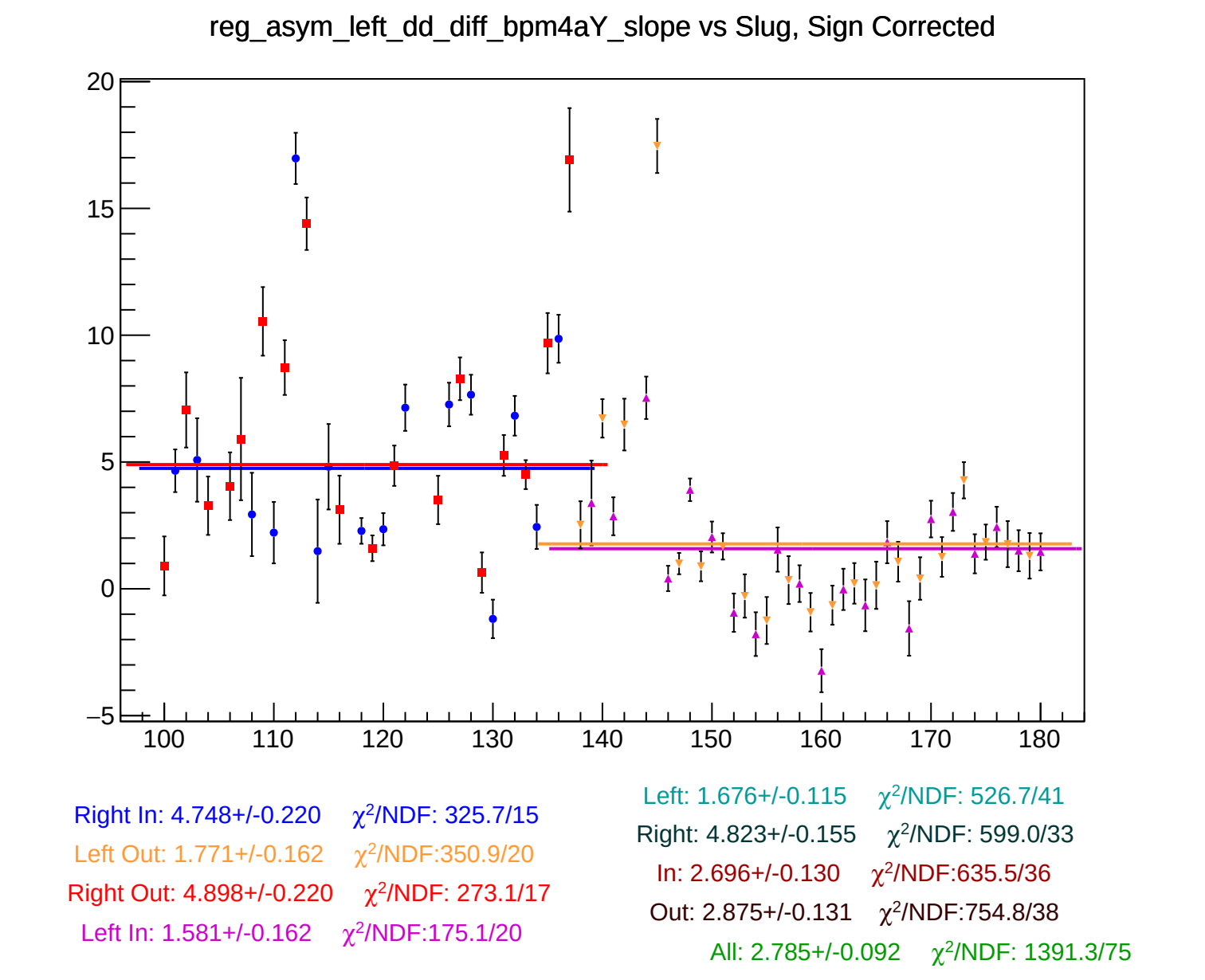
Left: -40.178+/-0.159 χ^2/NDF: 1266.7/41

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.723+/-0.155 χ^2/NDF:1968.0/36

Out: -36.367+/-0.155 χ^2/NDF:3480.3/38

All: -36.545+/-0.110 χ^2/NDF: 5450.8/75


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
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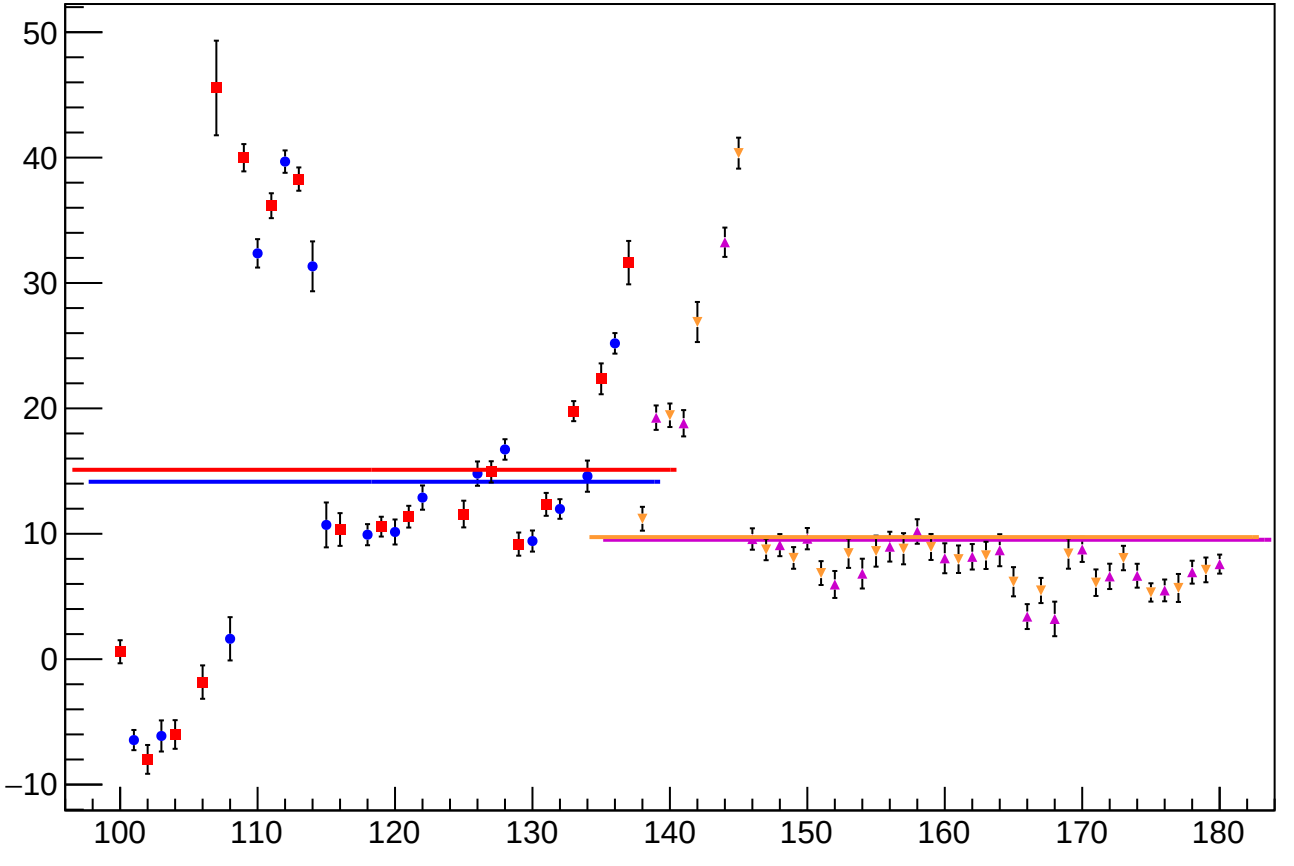
0
−5
100
110
120
130
140
150
160
170
180
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 1.771+/-0.162 χ²/NDF:350.9/20
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 1.581+/-0.162 χ²/NDF:175.1/20
Left: 1.676+/-0.115 χ²/NDF: 526.7/41
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 2.696+/-0.130 χ²/NDF:635.5/36
Out: 2.875+/-0.131 χ²/NDF:754.8/38
All: 2.785+/-0.092 χ²/NDF: 1391.3/75

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.735+/-0.225 χ^2/NDF:961.0/20

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 9.523+/-0.217 χ^2/NDF:724.6/20

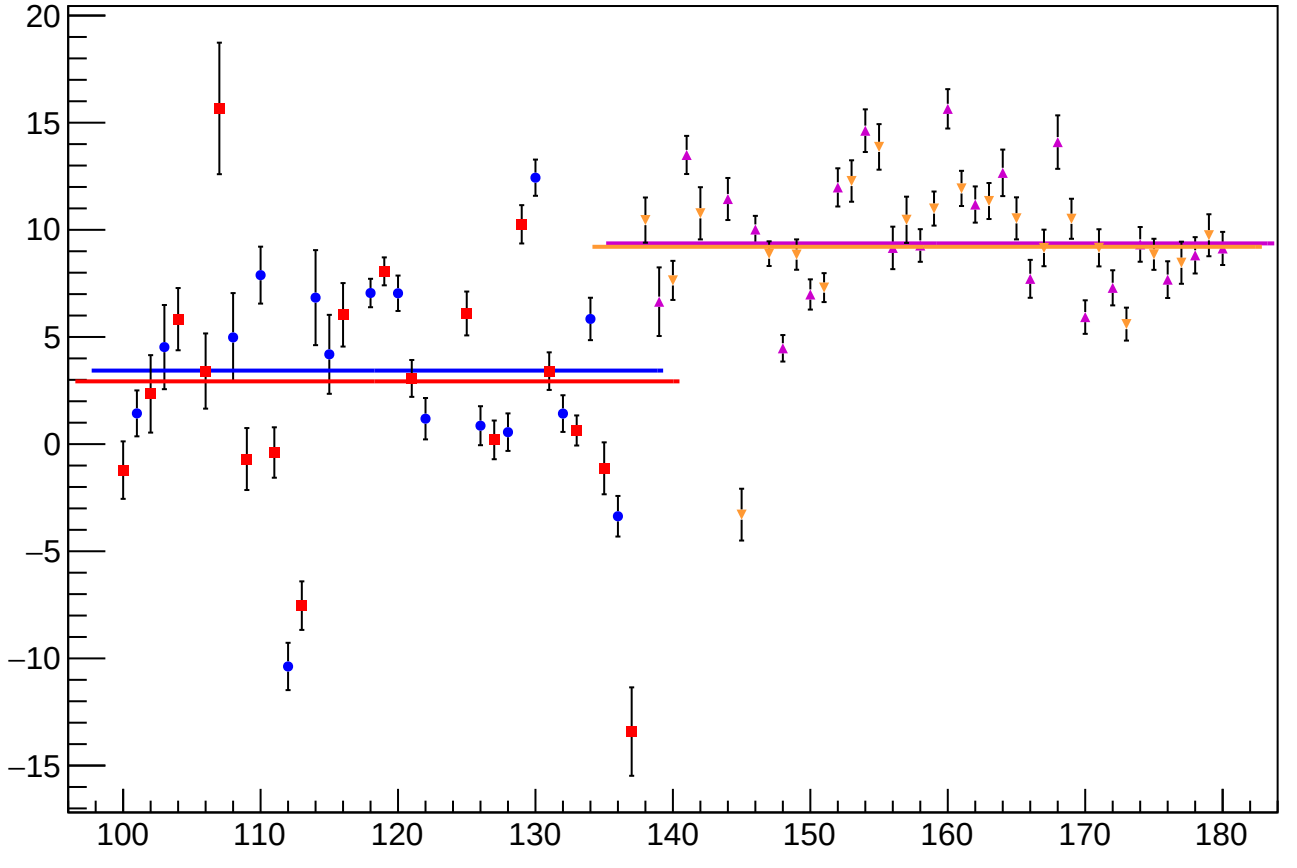
Left: 9.625+/-0.156 χ^2/NDF: 1686.1/41

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.536+/-0.163 χ^2/NDF:3324.7/36

Out: 12.219+/-0.165 χ^2/NDF:4327.7/38

All: 11.874+/-0.116 χ^2/NDF: 7661.1/75



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.209+/-0.187 χ^2/NDF:201.5/20

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.367+/-0.185 χ^2/NDF:249.0/20

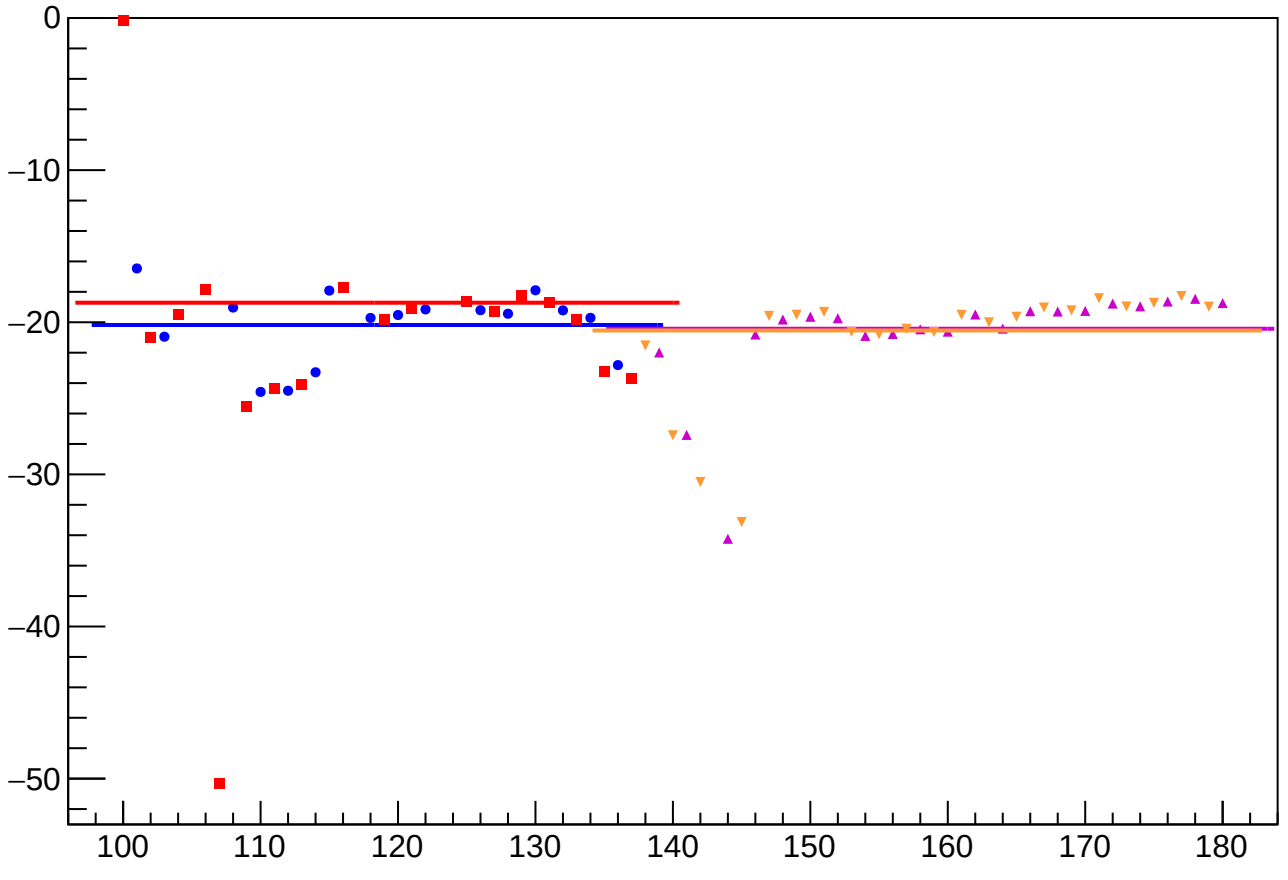
Left: 9.289+/-0.132 χ^2/NDF: 450.9/41

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.312+/-0.150 χ^2/NDF:1029.4/36

Out: 6.989+/-0.151 χ^2/NDF:966.6/38

All: 7.152+/-0.106 χ^2/NDF: 1998.3/75



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.540+/-0.009 χ^2/NDF:137053.9/20

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.426+/-0.008 χ^2/NDF:113449.8/20

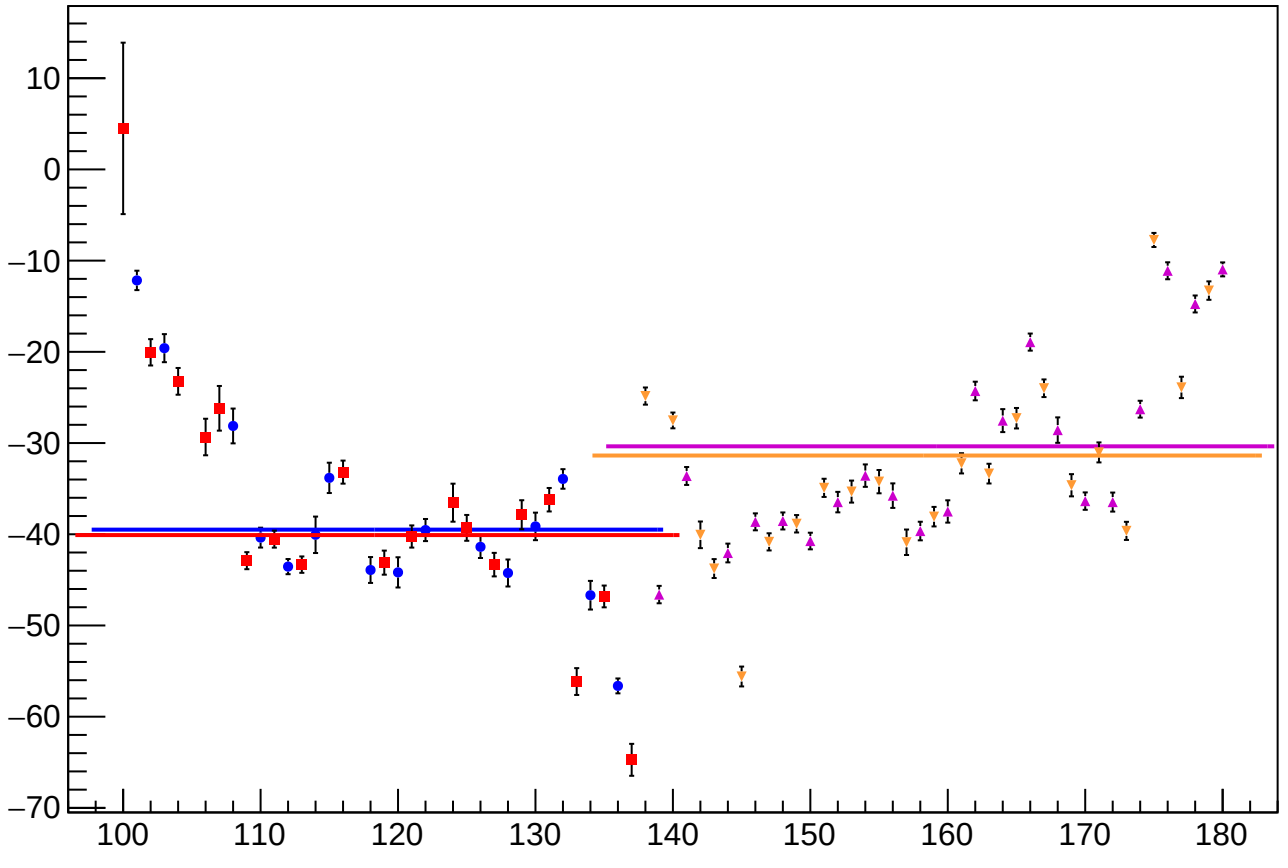
Left: -20.481+/-0.006 χ^2/NDF: 250594.3/41

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.374+/-0.007 χ^2/NDF:133490.8/36

Out: -20.112+/-0.008 χ^2/NDF:382250.9/38

All: -20.245+/-0.005 χ^2/NDF: 516357.7/75



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -31.367+/-0.223 χ^2/NDF:2466.4/21

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -30.359+/-0.220 χ^2/NDF:2520.3/20

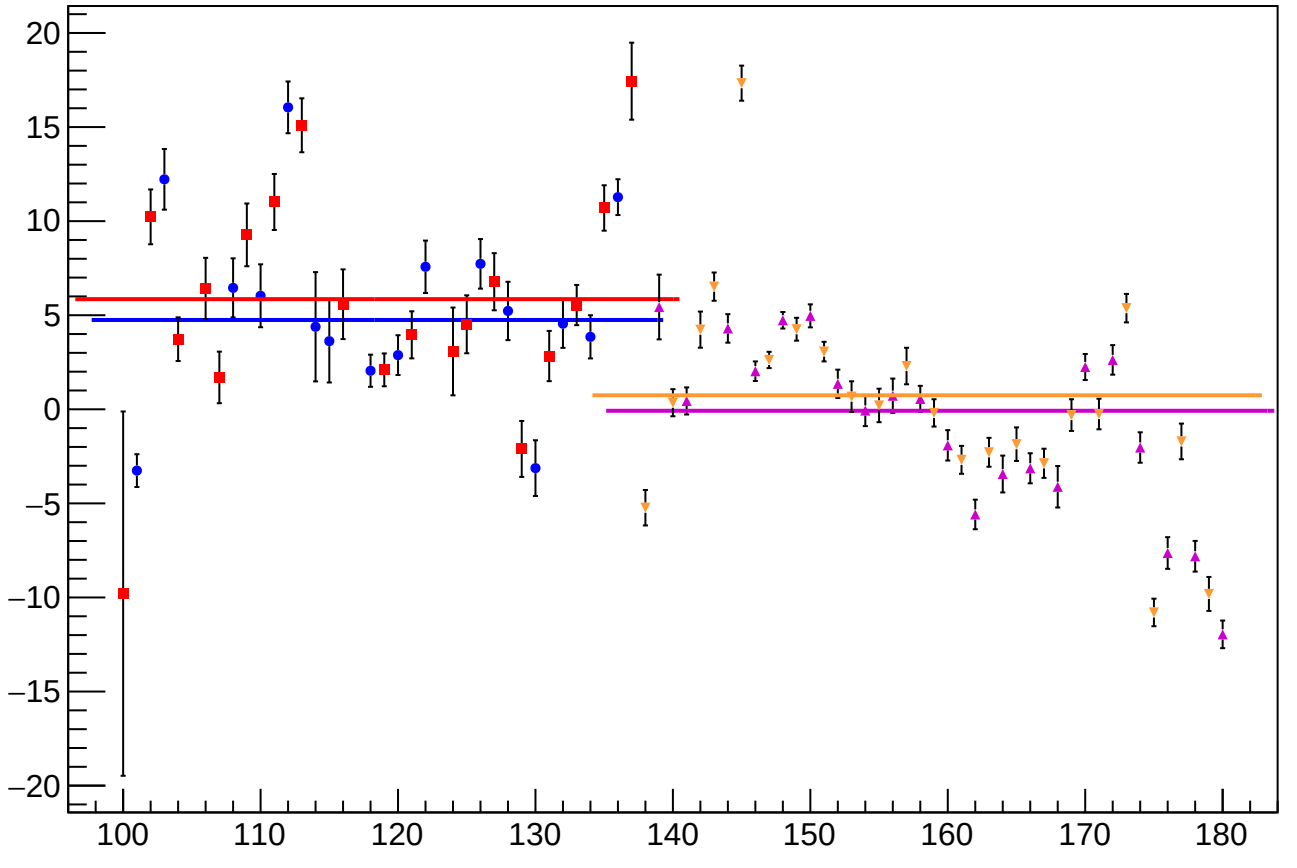
Left: -30.856+/-0.157 χ^2/NDF: 4997.1/42

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -33.408+/-0.179 χ^2/NDF:4513.3/36

Out: -34.383+/-0.181 χ^2/NDF:3829.1/40

All: -33.893+/-0.127 χ^2/NDF: 8357.0/77



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 0.745+/-0.158 χ^2/NDF:1006.1/21

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: -0.078+/-0.161 χ^2/NDF:809.4/20

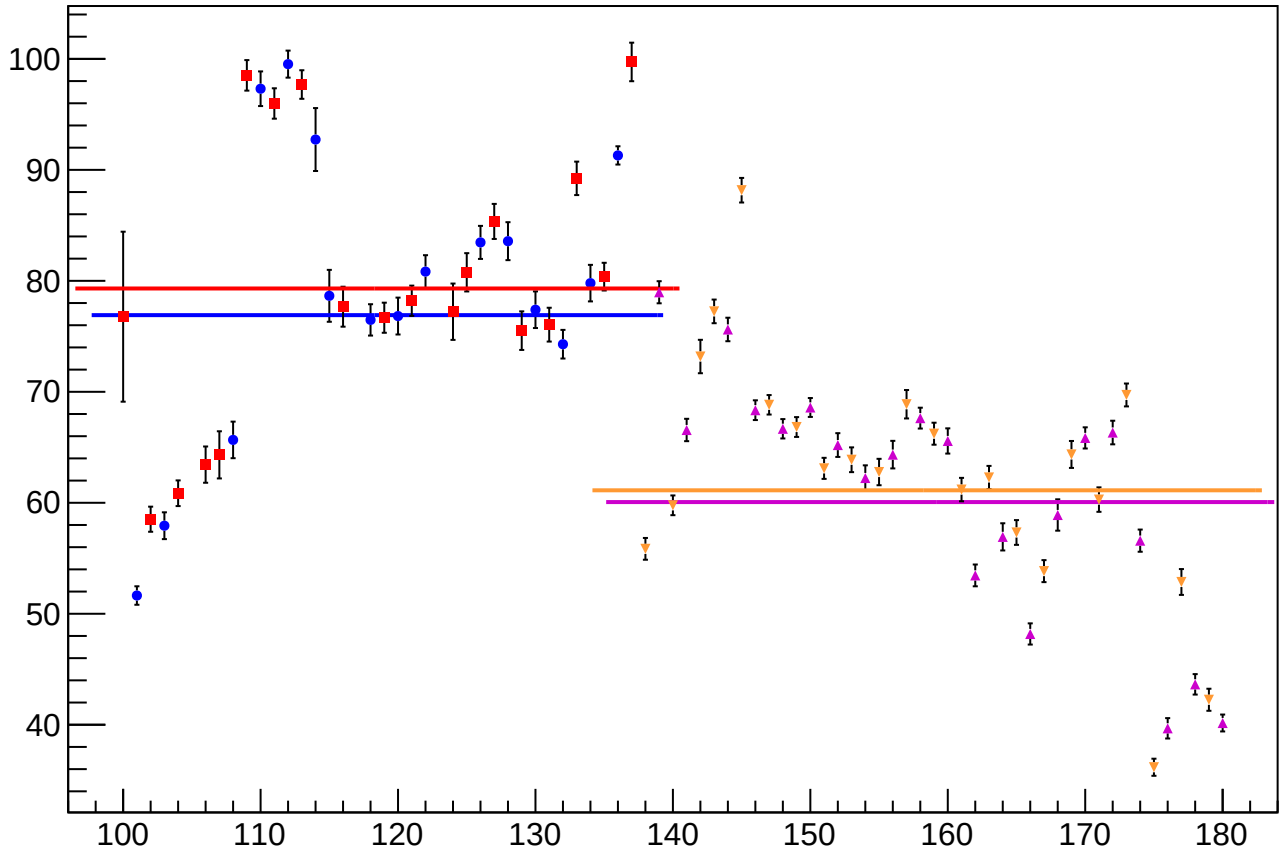
Left: 0.340+/-0.113 χ^2/NDF: 1828.9/42

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 0.915+/-0.143 χ^2/NDF:1268.5/36

Out: 1.731+/-0.142 χ^2/NDF:1394.6/40

All: 1.326+/-0.101 χ^2/NDF: 2679.4/77



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 61.124+/-0.219 χ^2/NDF:2717.6/21

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 60.064+/-0.216 χ^2/NDF:2773.8/20

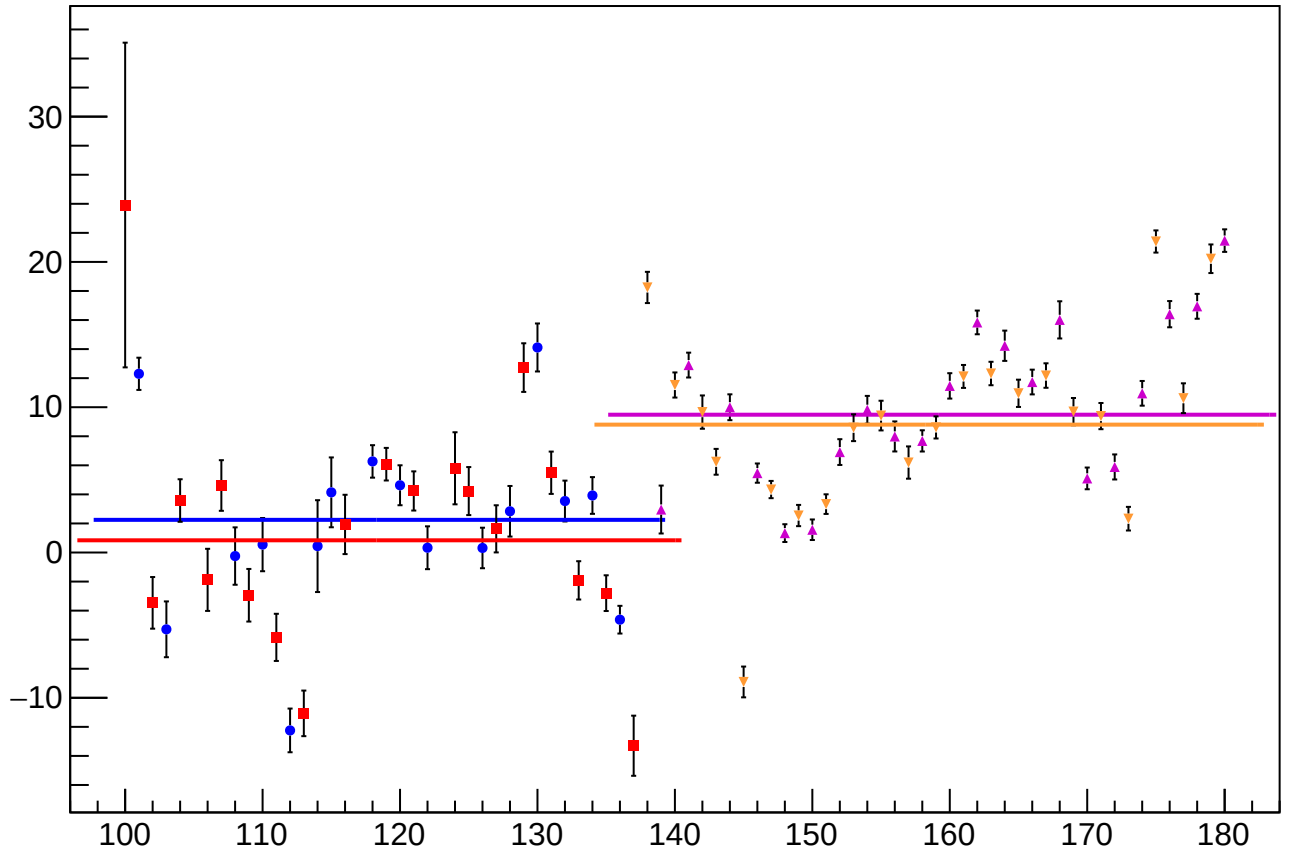
Left: 60.586+/-0.154 χ^2/NDF: 5503.2/42

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

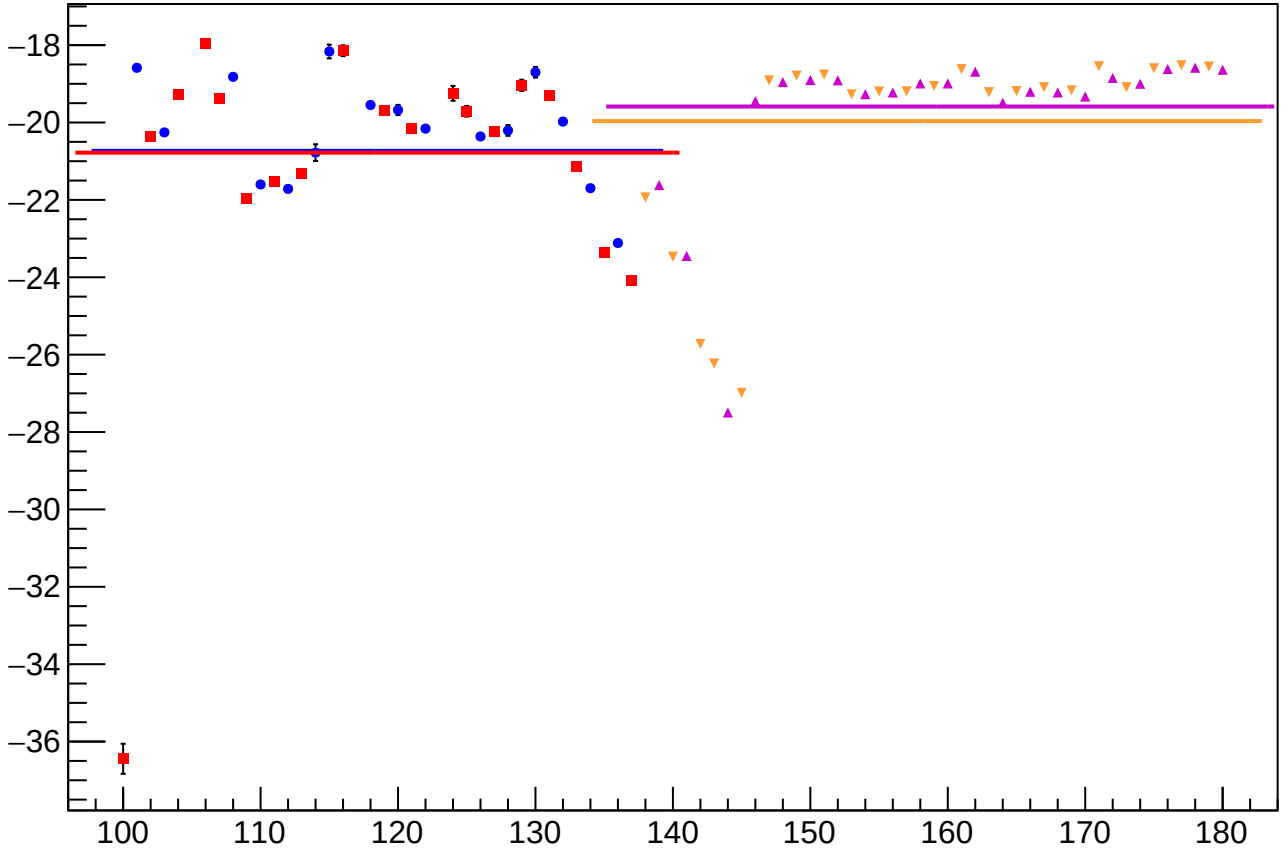
In: 64.976+/-0.182 χ^2/NDF:6661.2/36

Out: 66.303+/-0.186 χ^2/NDF:6169.0/40

All: 65.626+/-0.130 χ^2/NDF: 12856.2/77


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 8.801+/-0.183 χ²/NDF:1109.8/21
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 9.484+/-0.184 χ²/NDF:935.3/20
Left: 9.141+/-0.130 χ²/NDF: 2052.1/42
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 8.009+/-0.164 χ²/NDF:1571.2/36
Out: 7.255+/-0.164 χ²/NDF:1734.9/40
All: 7.632+/-0.116 χ²/NDF: 3316.7/77

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.962+/-0.008 χ^2/NDF:77853.8/21

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.586+/-0.008 χ^2/NDF:45019.6/20

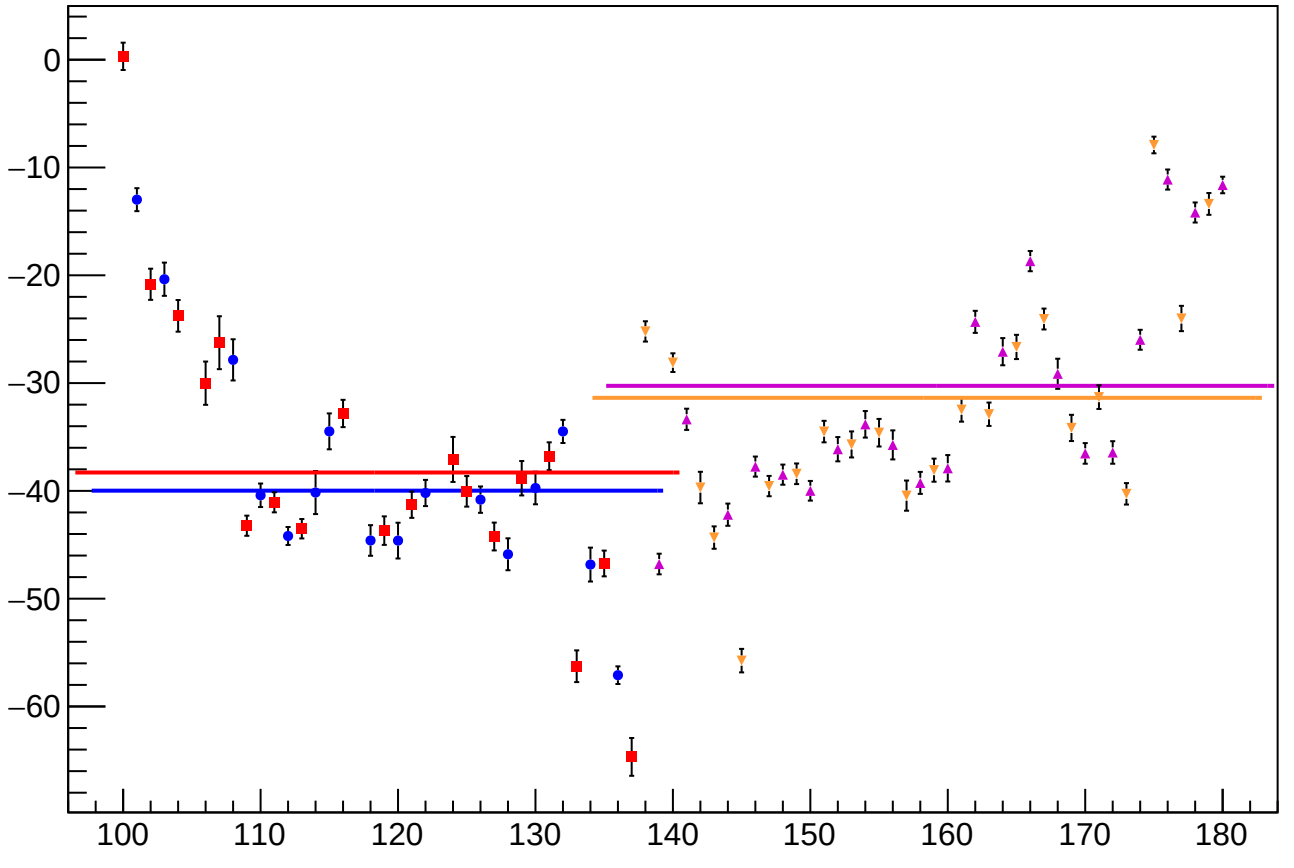
Left: -19.771+/-0.006 χ^2/NDF: 123879.6/42

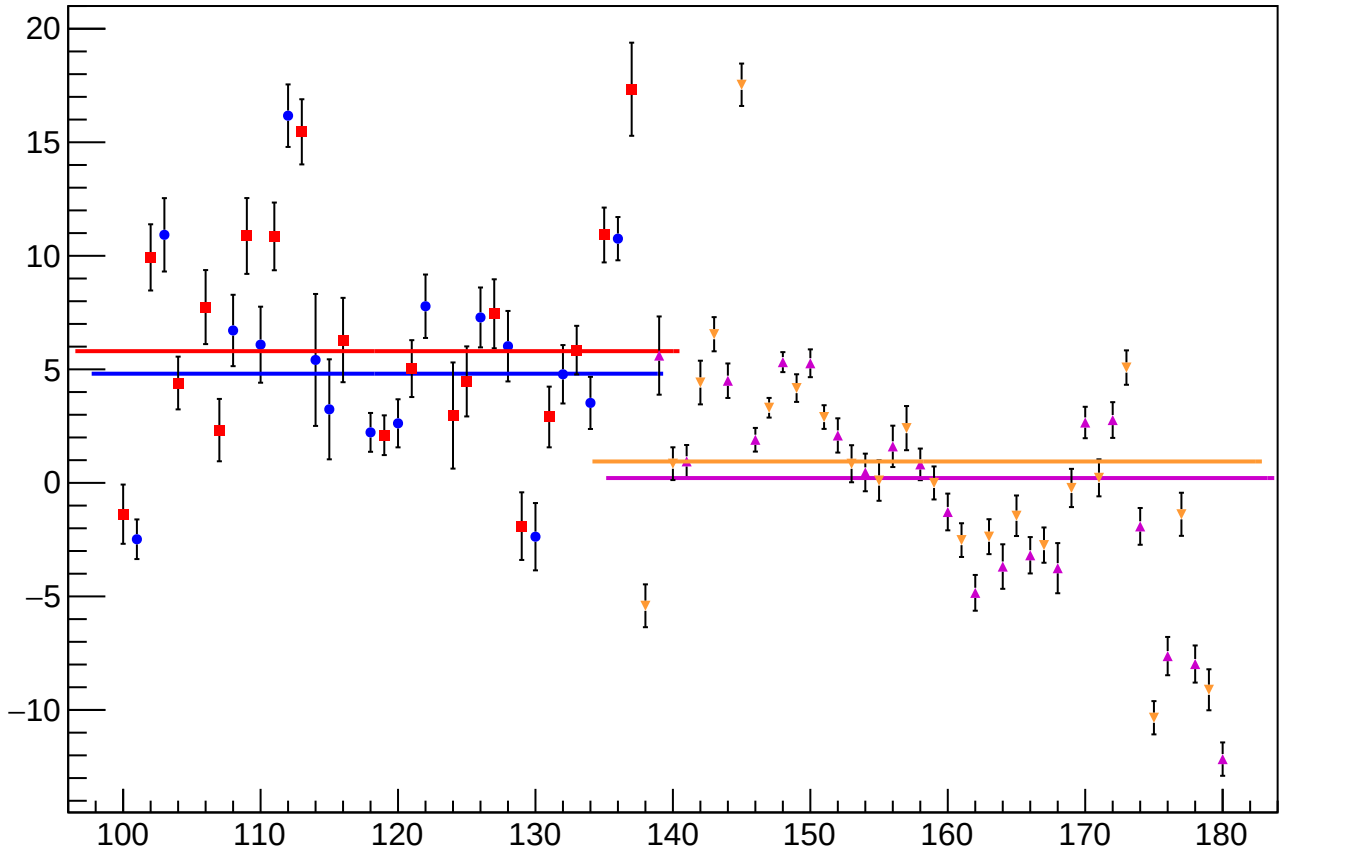
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

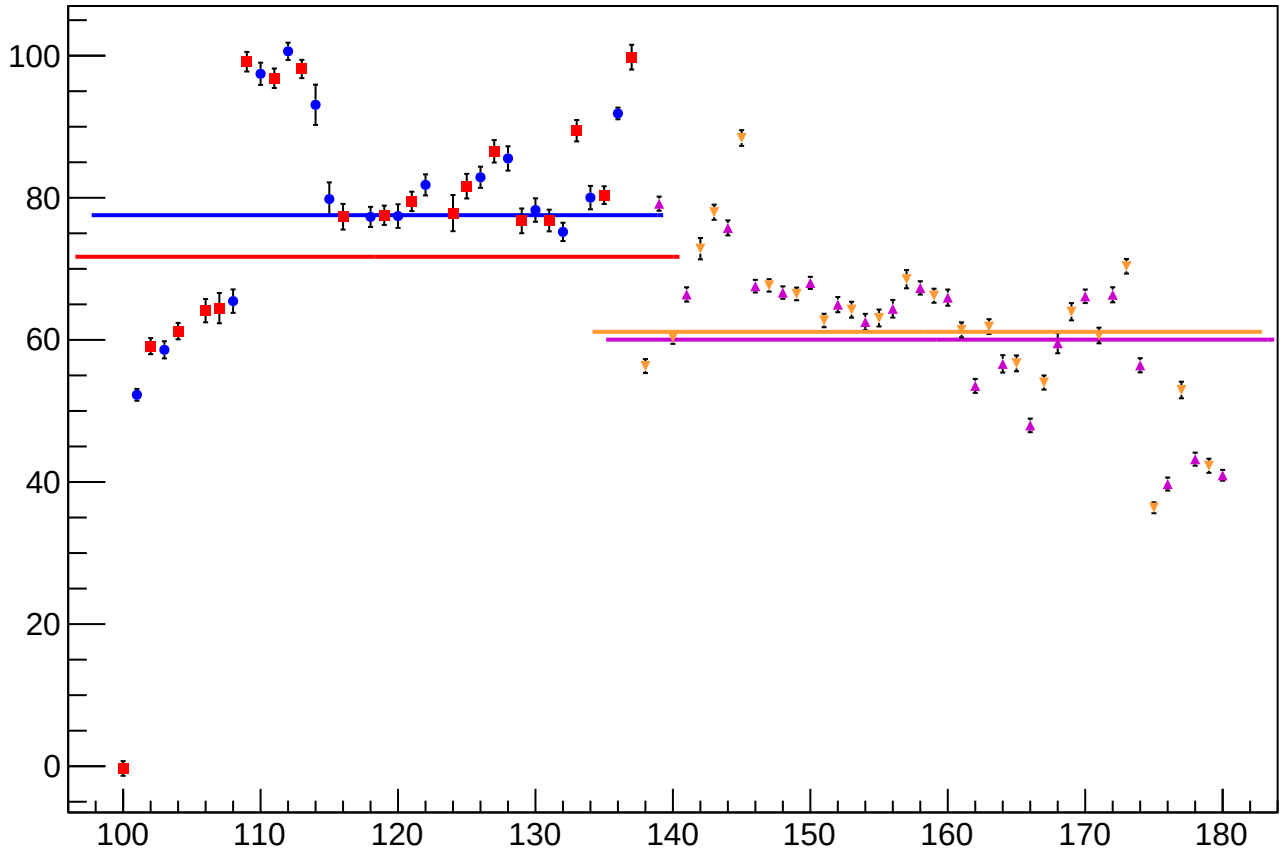
In: -19.764+/-0.008 χ^2/NDF:55597.4/36

Out: -20.083+/-0.008 χ^2/NDF:88672.3/40

All: -19.920+/-0.005 χ^2/NDF: 145130.0/77


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
180
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -31.366+/-0.224 χ²/NDF:2424.0/21
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -30.255+/-0.220 χ²/NDF:2468.5/20
Left: -30.802+/-0.157 χ²/NDF: 4905.1/42
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -33.503+/-0.180 χ²/NDF:4517.6/36
Out: -33.850+/-0.179 χ²/NDF:4542.1/40
All: -33.677+/-0.127 χ²/NDF: 9061.6/77


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 0.943+/-0.159 χ²/NDF:976.4/21
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 0.213+/-0.161 χ²/NDF:856.9/20
Left: 0.583+/-0.113 χ²/NDF: 1843.8/42
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 1.159+/-0.144 χ²/NDF:1265.0/36
Out: 1.926+/-0.142 χ²/NDF:1382.6/40
All: 1.548+/-0.101 χ²/NDF: 2662.0/77



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 61.138+/-0.220 χ^2/NDF:2694.5/21

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 60.036+/-0.217 χ^2/NDF:2714.5/20

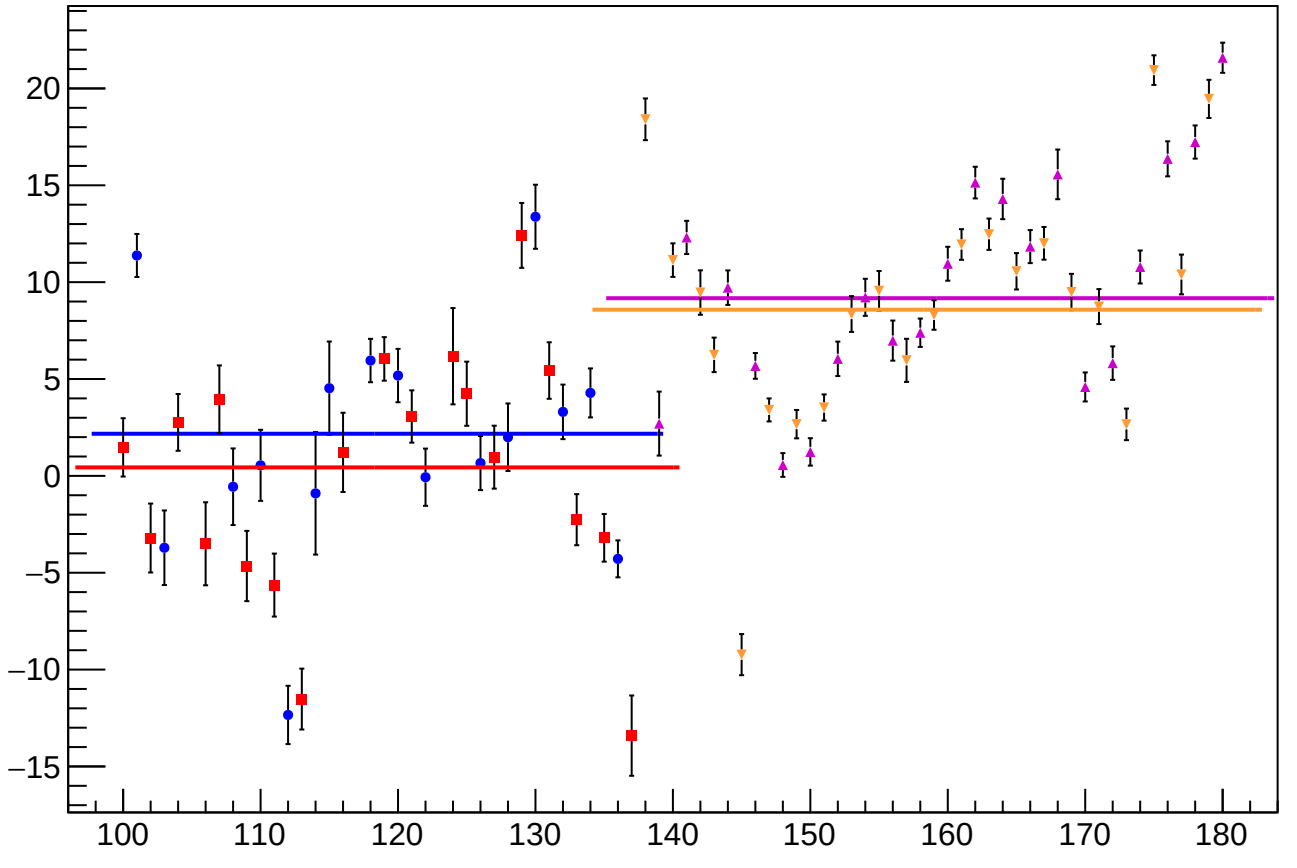
Left: 60.579+/-0.154 χ^2/NDF: 5421.8/42

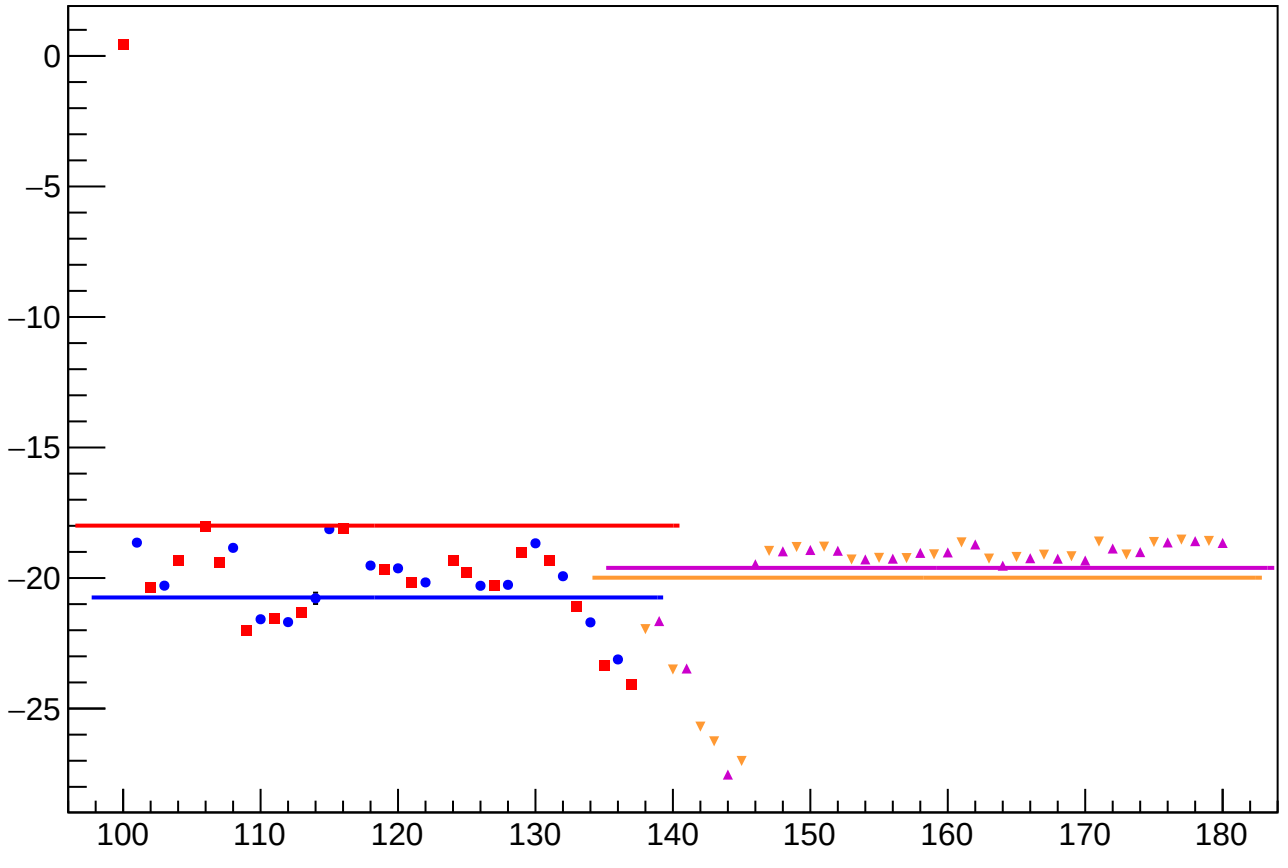
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

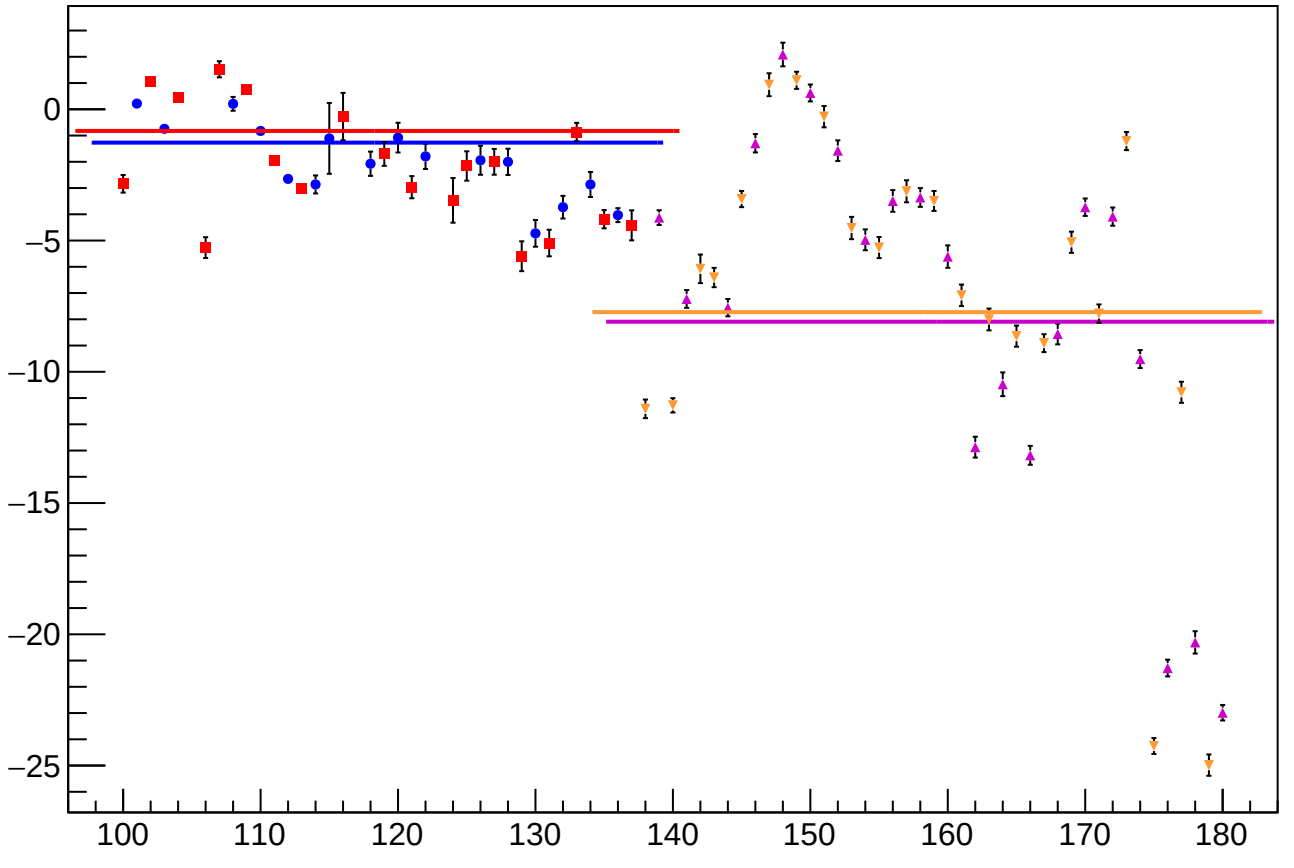
In: 65.146+/-0.182 χ^2/NDF:6742.3/36

Out: 64.378+/-0.183 χ^2/NDF:10306.1/40

All: 64.764+/-0.129 χ^2/NDF: 17057.3/77


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
180
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 8.578+/-0.183 χ²/NDF:1087.4/21
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 9.172+/-0.184 χ²/NDF:981.0/20
Left: 8.873+/-0.130 χ²/NDF: 2073.7/42
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 7.744+/-0.164 χ²/NDF:1566.1/36
Out: 6.921+/-0.163 χ²/NDF:1744.5/40
All: 7.330+/-0.116 χ²/NDF: 3323.2/77


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
180
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -19.987+/-0.008 χ²/NDF:77427.4/21
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.611+/-0.008 χ²/NDF:44934.6/20
Left: -19.796+/-0.006 χ²/NDF: 123366.4/42
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.787+/-0.008 χ²/NDF:55316.6/36
Out: -19.654+/-0.008 χ²/NDF:237304.3/40
All: -19.721+/-0.005 χ²/NDF: 292769.3/77



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.726+/-0.079 χ^2/NDF:7545.4/21

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -8.092+/-0.078 χ^2/NDF:8271.6/20

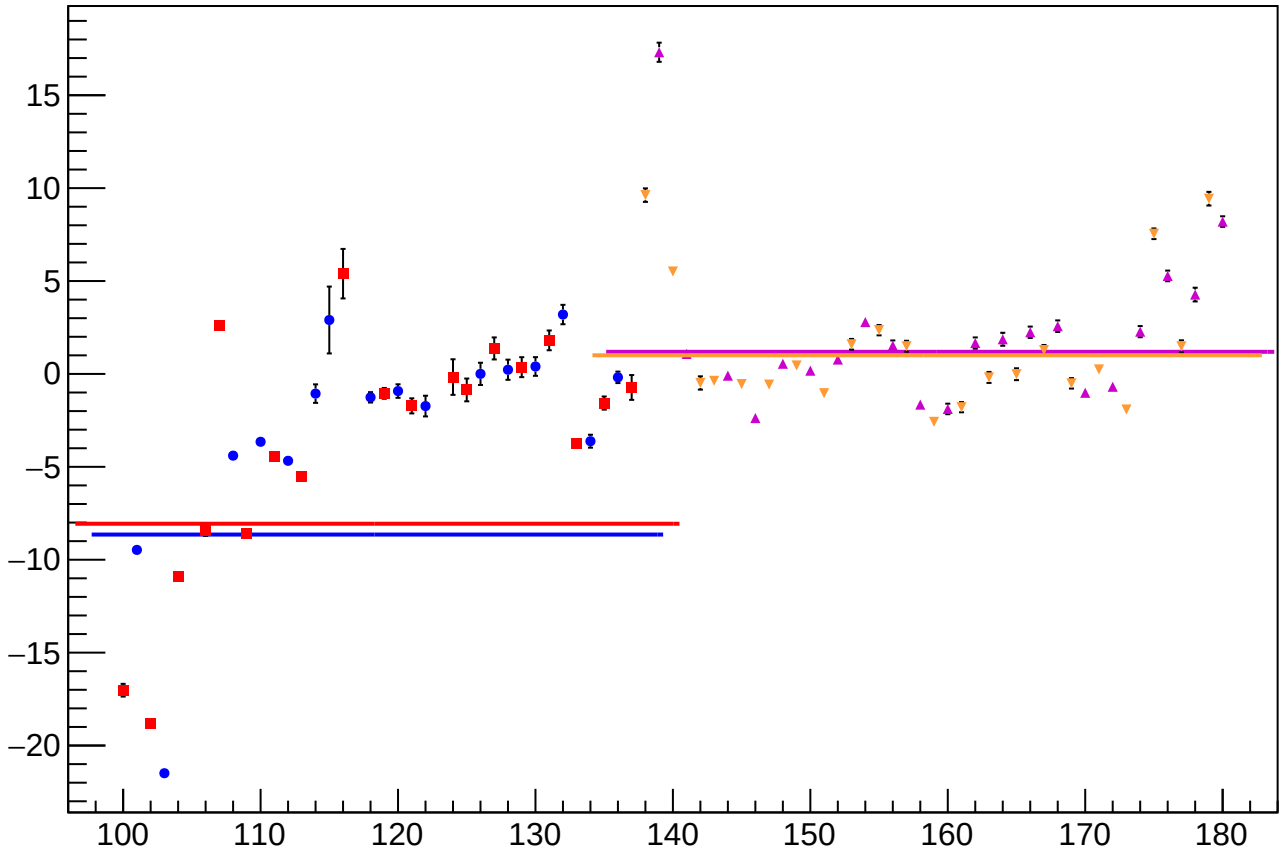
Left: -7.911+/-0.056 χ^2/NDF: 15827.8/42

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.499+/-0.045 χ^2/NDF:14004.4/36

Out: -2.856+/-0.043 χ^2/NDF:14311.8/40

All: -3.164+/-0.031 χ^2/NDF: 28423.8/77



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.003+/-0.058 χ^2/NDF:2736.9/21

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 1.191+/-0.059 χ^2/NDF:2676.8/20

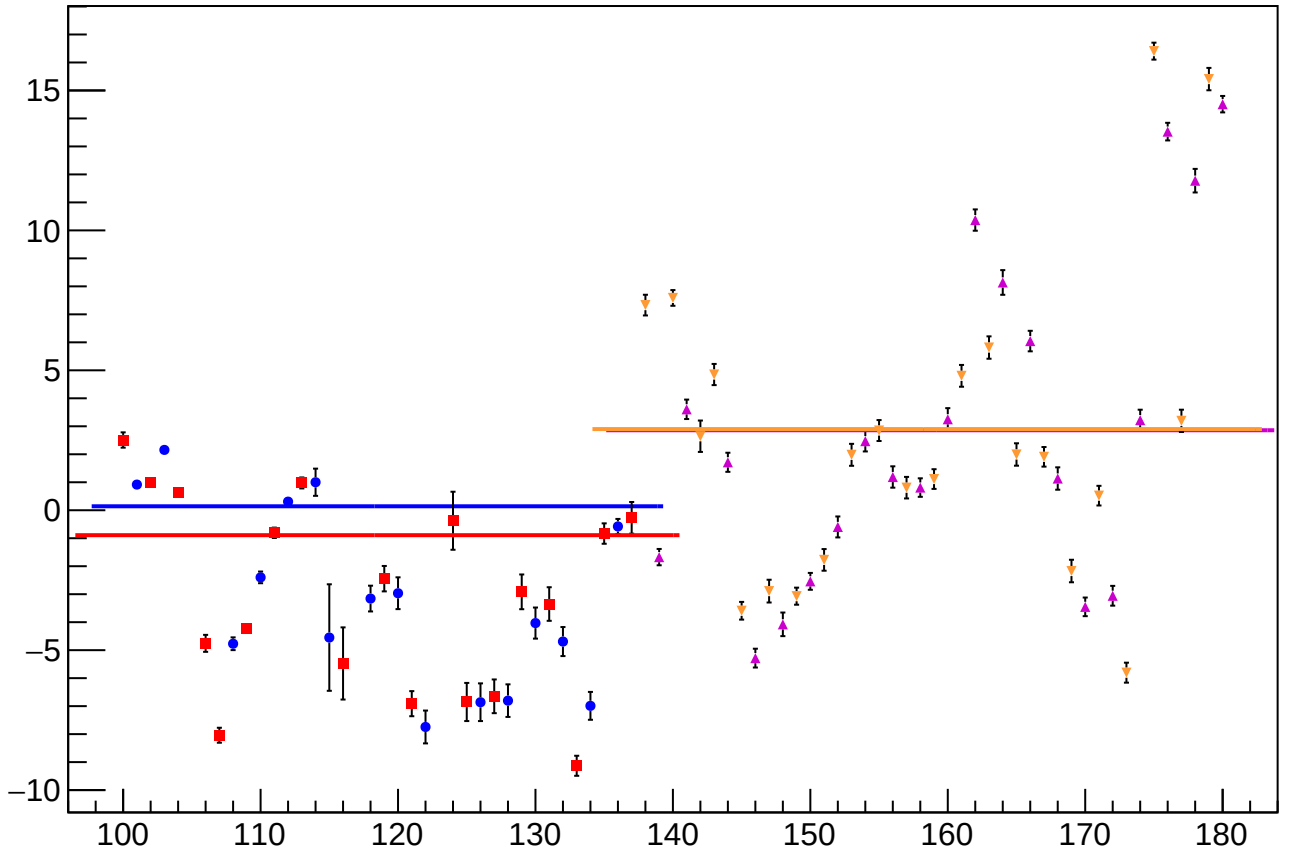
Left: 1.095+/-0.041 χ^2/NDF: 5418.9/42

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -3.916+/-0.041 χ^2/NDF:30850.5/36

Out: -3.547+/-0.041 χ^2/NDF:29548.1/40

All: -3.730+/-0.029 χ^2/NDF: 60439.5/77



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.900+/-0.078 χ^2/NDF:5519.5/21

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 2.858+/-0.077 χ^2/NDF:6017.2/20

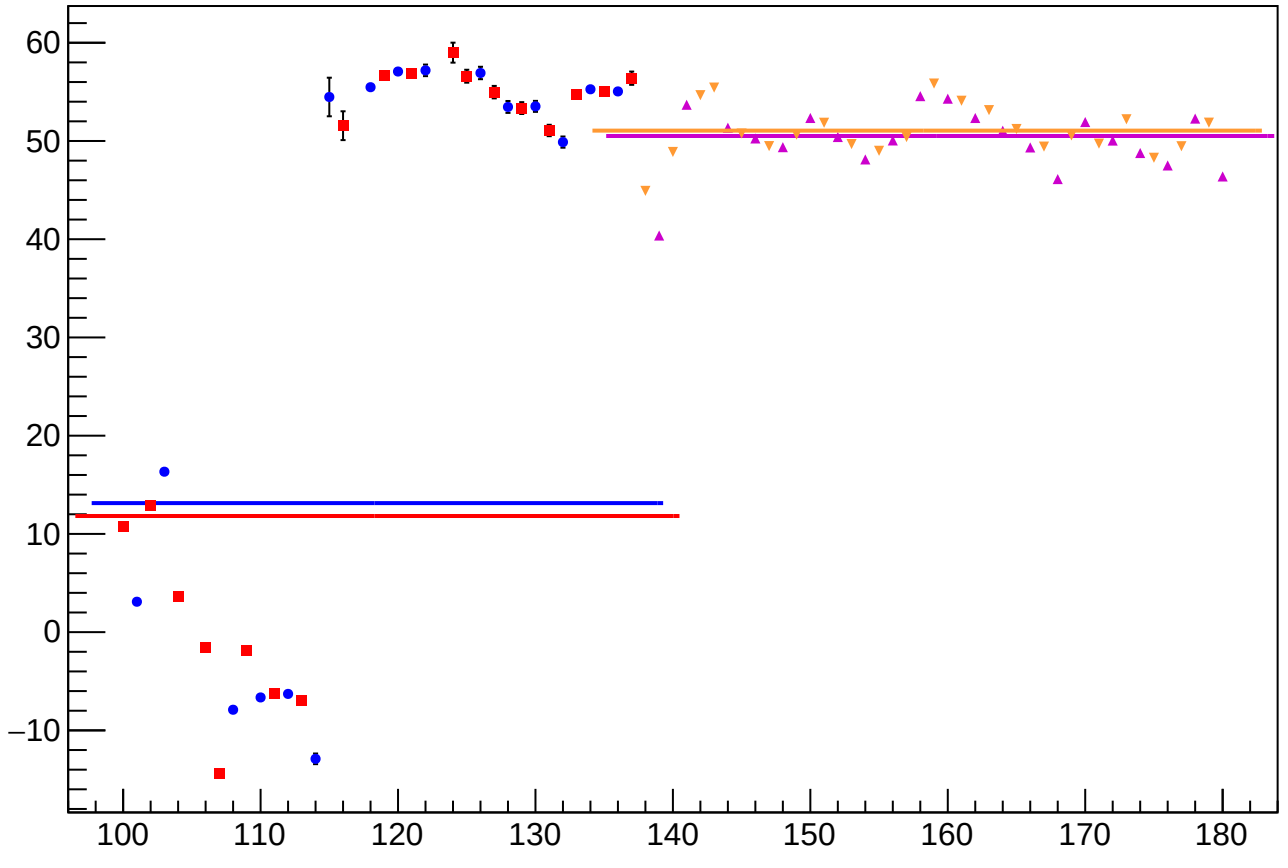
Left: 2.879+/-0.055 χ^2/NDF: 11536.8/42

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 1.012+/-0.044 χ^2/NDF:8821.1/36

Out: 0.328+/-0.044 χ^2/NDF:10113.1/40

All: 0.674+/-0.031 χ^2/NDF: 19055.7/77



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.055+/-0.066 χ^2/NDF:1302.3/21

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.508+/-0.067 χ^2/NDF:1638.4/20

Left: 50.785+/-0.047 χ^2/NDF: 2974.8/42

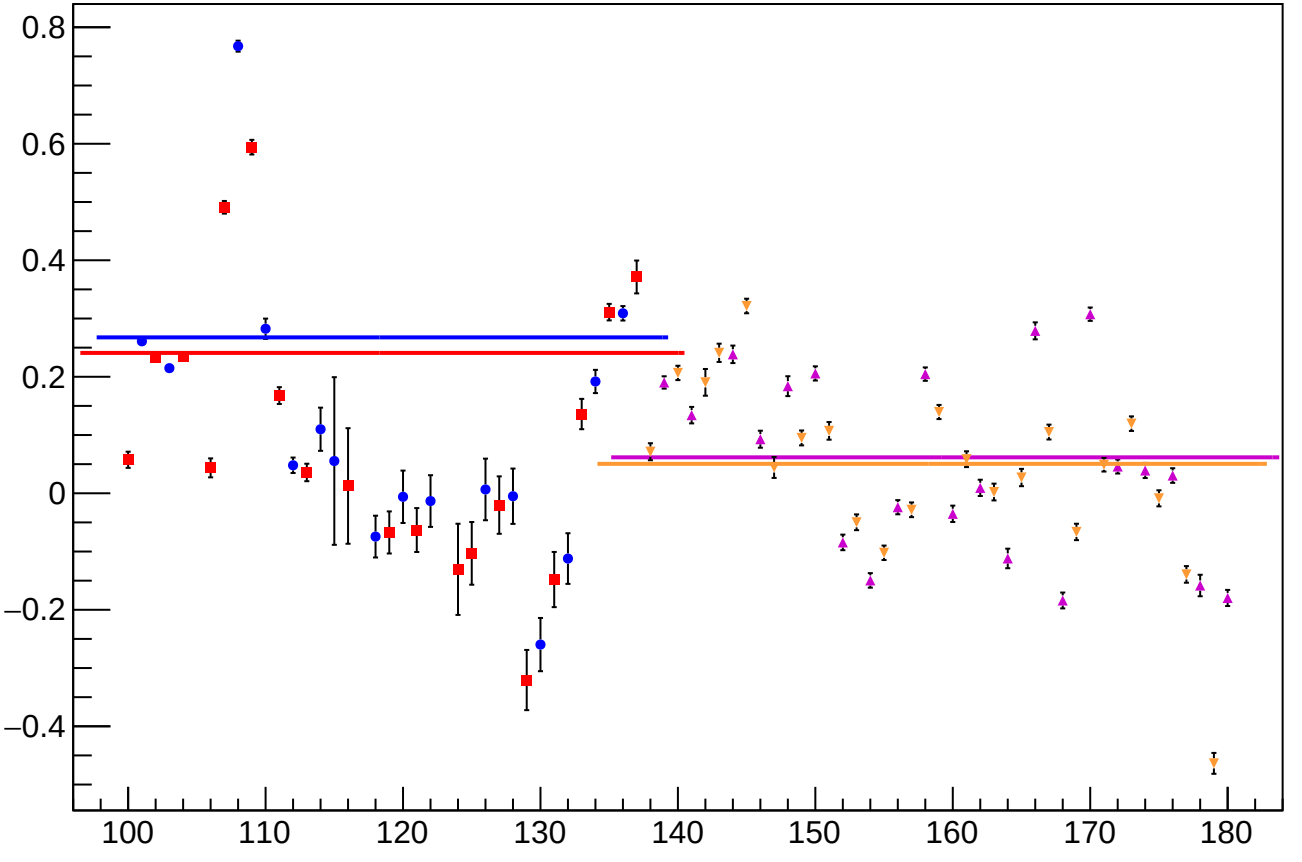
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 32.177+/-0.048 χ^2/NDF:264359.5/36

Out: 32.054+/-0.047 χ^2/NDF:291901.5/40

All: 32.115+/-0.034 χ^2/NDF: 556264.4/77

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.051+/-0.003 χ^2/NDF:2291.1/21

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.062+/-0.003 χ^2/NDF:2750.2/20

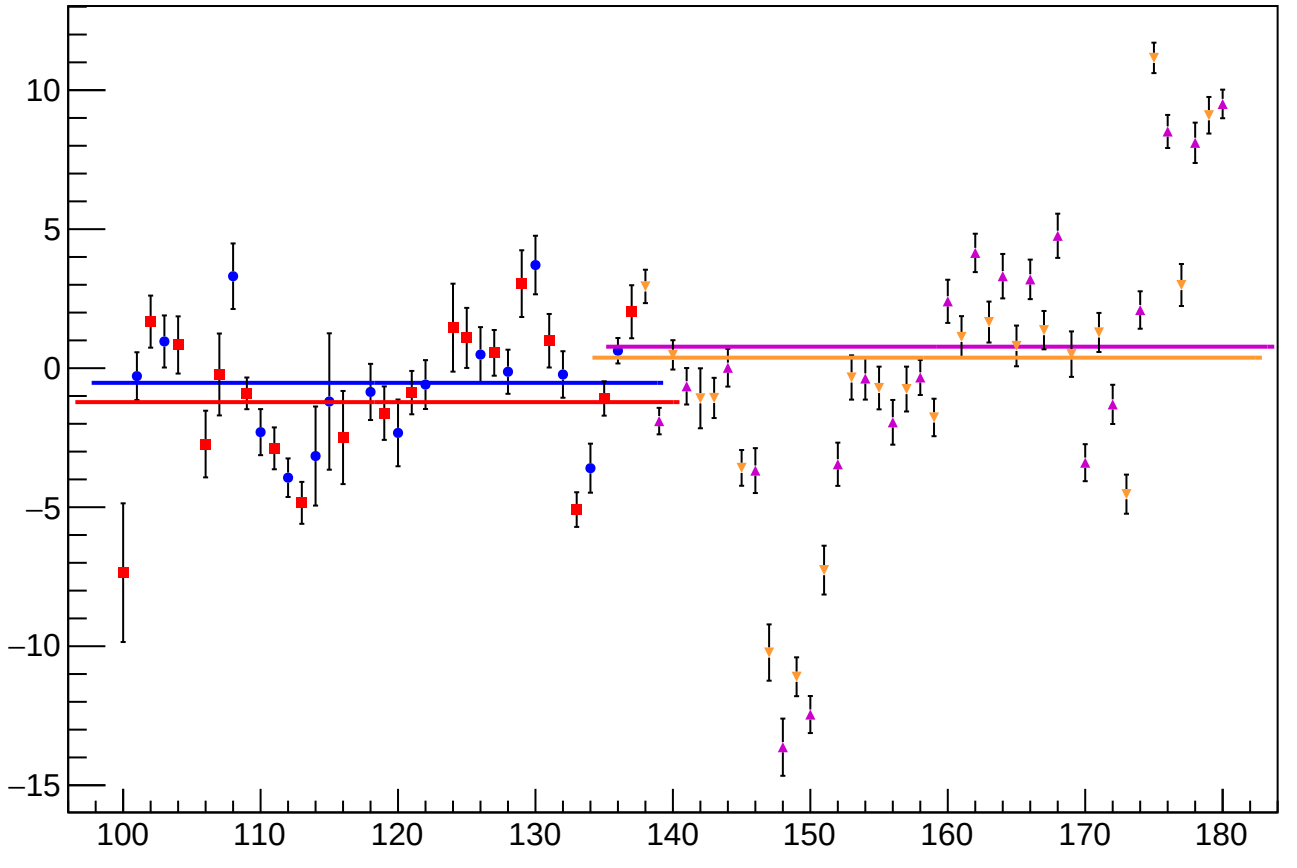
Left: 0.056+/-0.002 χ^2/NDF: 5048.7/42

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.169+/-0.002 χ^2/NDF:9079.0/36

Out: 0.153+/-0.002 χ^2/NDF:6864.8/40

All: 0.161+/-0.001 χ^2/NDF: 15976.8/77



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.379+/-0.152 χ^2/NDF:1164.4/21

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: 0.773+/-0.149 χ^2/NDF:1391.1/20

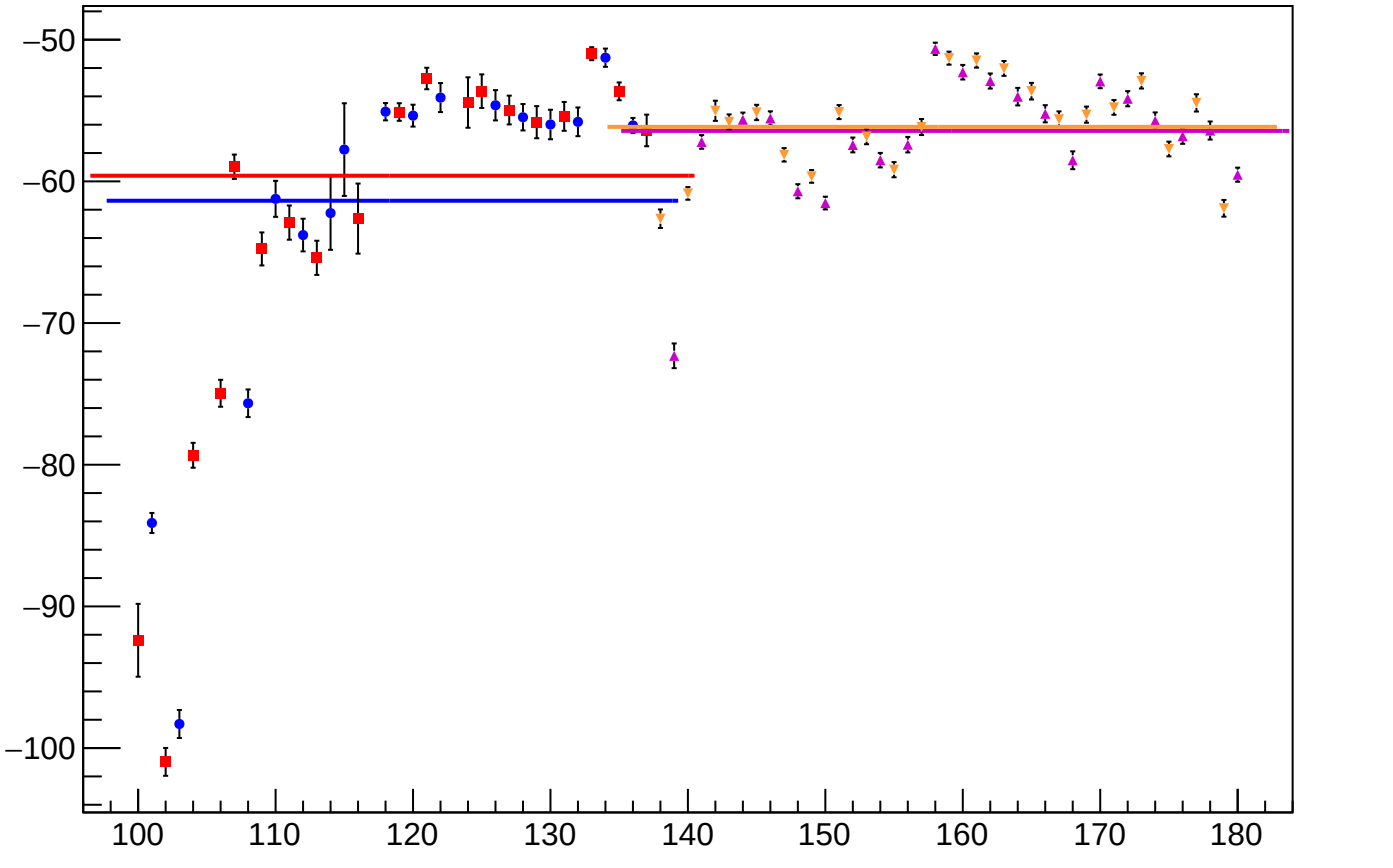
Left: 0.579+/-0.106 χ^2/NDF: 2559.0/42

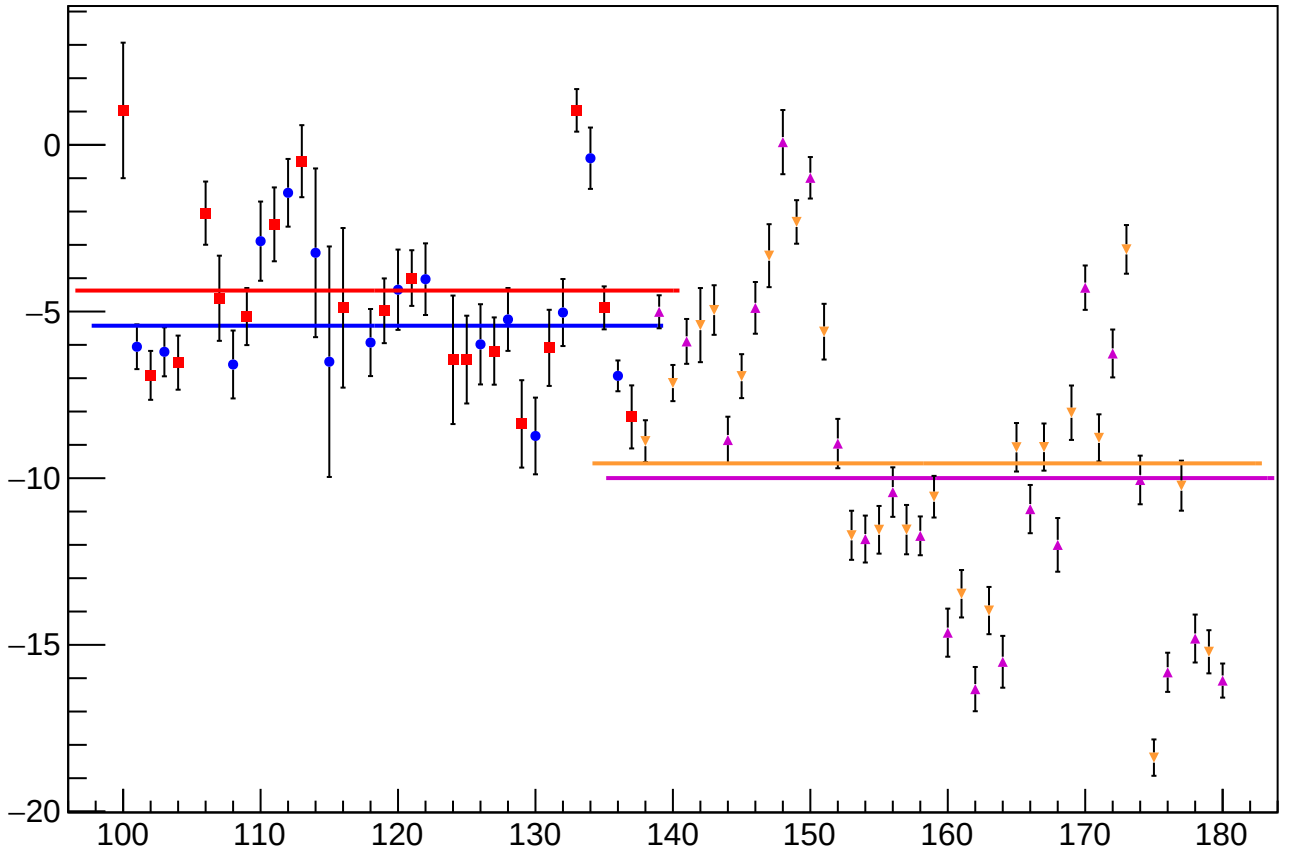
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: 0.356+/-0.123 χ^2/NDF:1498.2/36

Out: -0.189+/-0.122 χ^2/NDF:1334.7/40

All: 0.081+/-0.087 χ^2/NDF: 2842.9/77


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
180
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -56.151+/-0.113 χ²/NDF:766.6/21
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -56.438+/-0.116 χ²/NDF:992.1/20
Left: -56.291+/-0.081 χ²/NDF: 1761.8/42
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -57.519+/-0.103 χ²/NDF:4738.7/36
Out: -56.951+/-0.099 χ²/NDF:4402.1/40
All: -57.226+/-0.071 χ²/NDF: 9156.6/77



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.555+/-0.150 χ^2/NDF:794.6/21

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -9.997+/-0.147 χ^2/NDF:1096.8/20

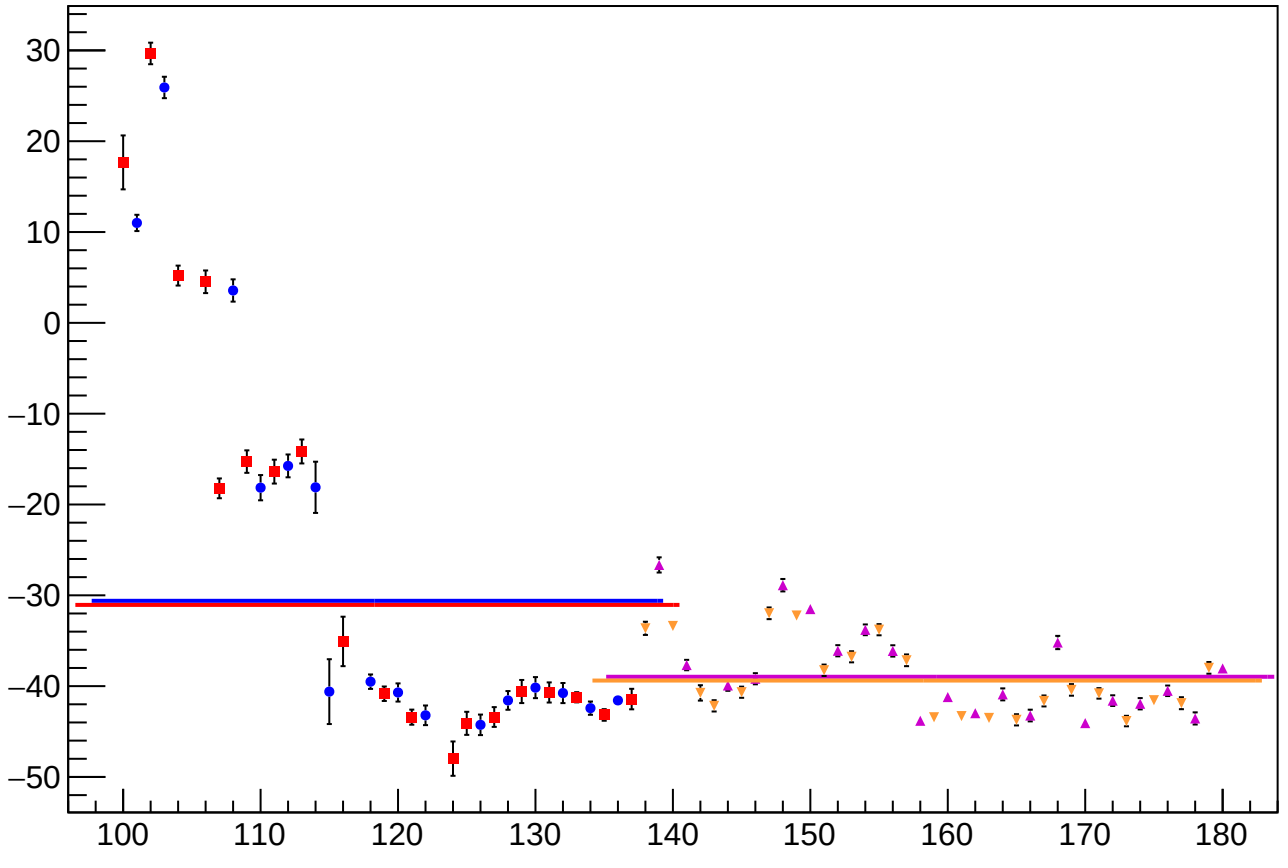
Left: -9.780+/-0.105 χ^2/NDF: 1895.8/42

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -8.670+/-0.124 χ^2/NDF:1453.3/36

Out: -7.941+/-0.124 χ^2/NDF:1325.1/40

All: -8.307+/-0.088 χ^2/NDF: 2795.7/77



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.385+/-0.128 χ^2/NDF:986.4/21

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.969+/-0.129 χ^2/NDF:1222.0/20

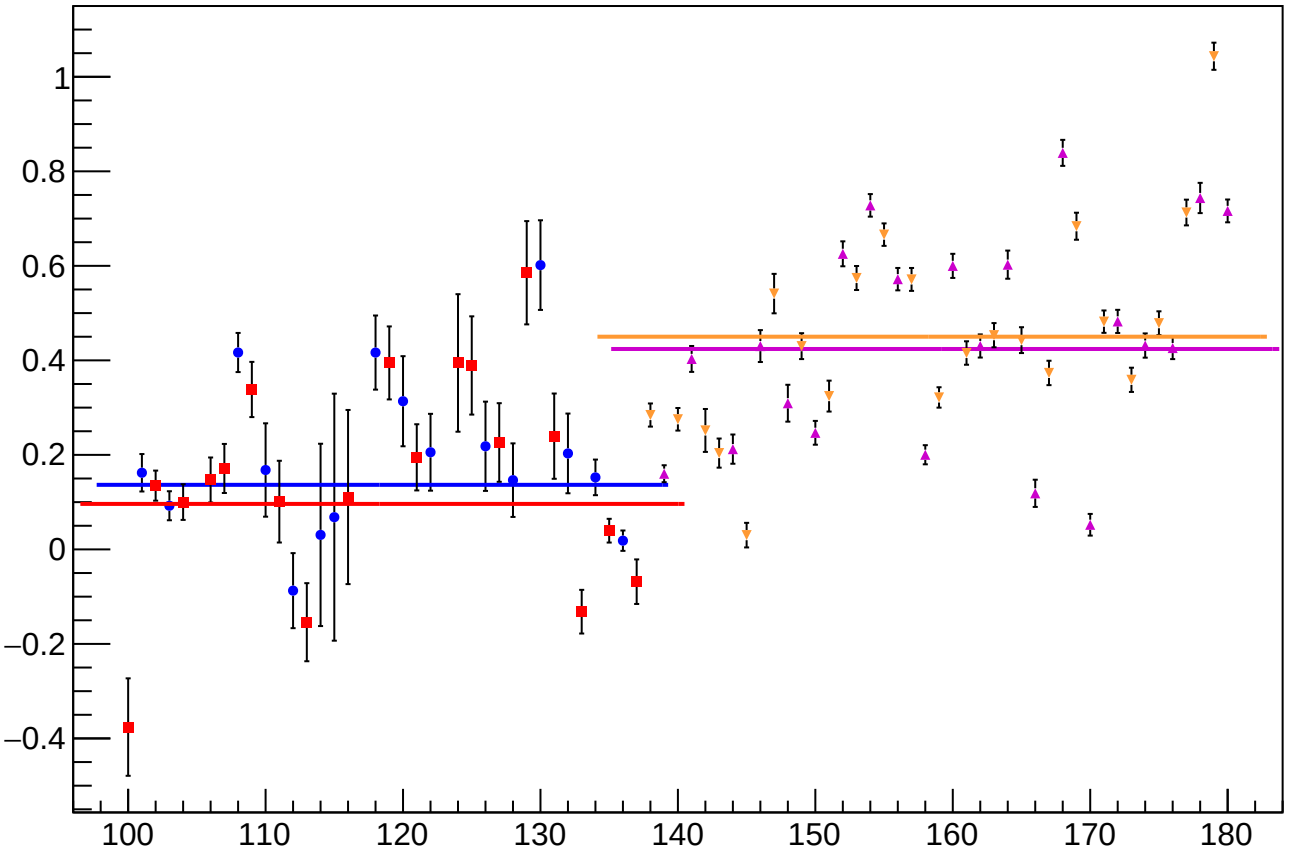
Left: -39.179+/-0.091 χ^2/NDF: 2213.6/42

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -37.197+/-0.115 χ^2/NDF:9046.4/36

Out: -37.515+/-0.113 χ^2/NDF:8914.5/40

All: -37.359+/-0.080 χ^2/NDF: 17964.8/77



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.450+/-0.006 χ^2/NDF:1243.0/21

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.424+/-0.006 χ^2/NDF:1641.8/20

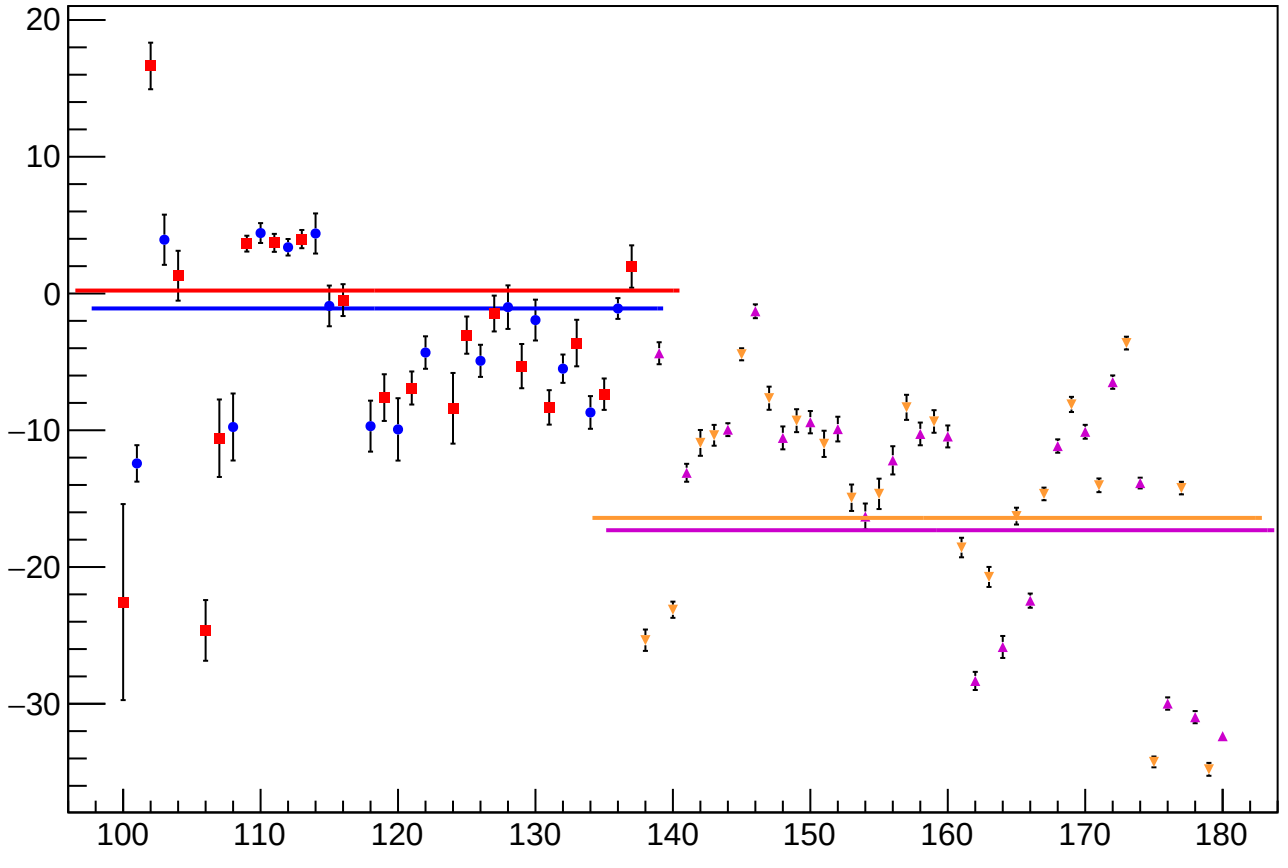
Left: 0.437+/-0.004 χ^2/NDF: 2895.6/42

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.377+/-0.005 χ^2/NDF:2212.7/36

Out: 0.388+/-0.005 χ^2/NDF:2069.3/40

All: 0.382+/-0.004 χ^2/NDF: 4284.6/77



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -16.408+/-0.130 χ^2/NDF:6075.5/21

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -17.309+/-0.124 χ^2/NDF:6816.9/20

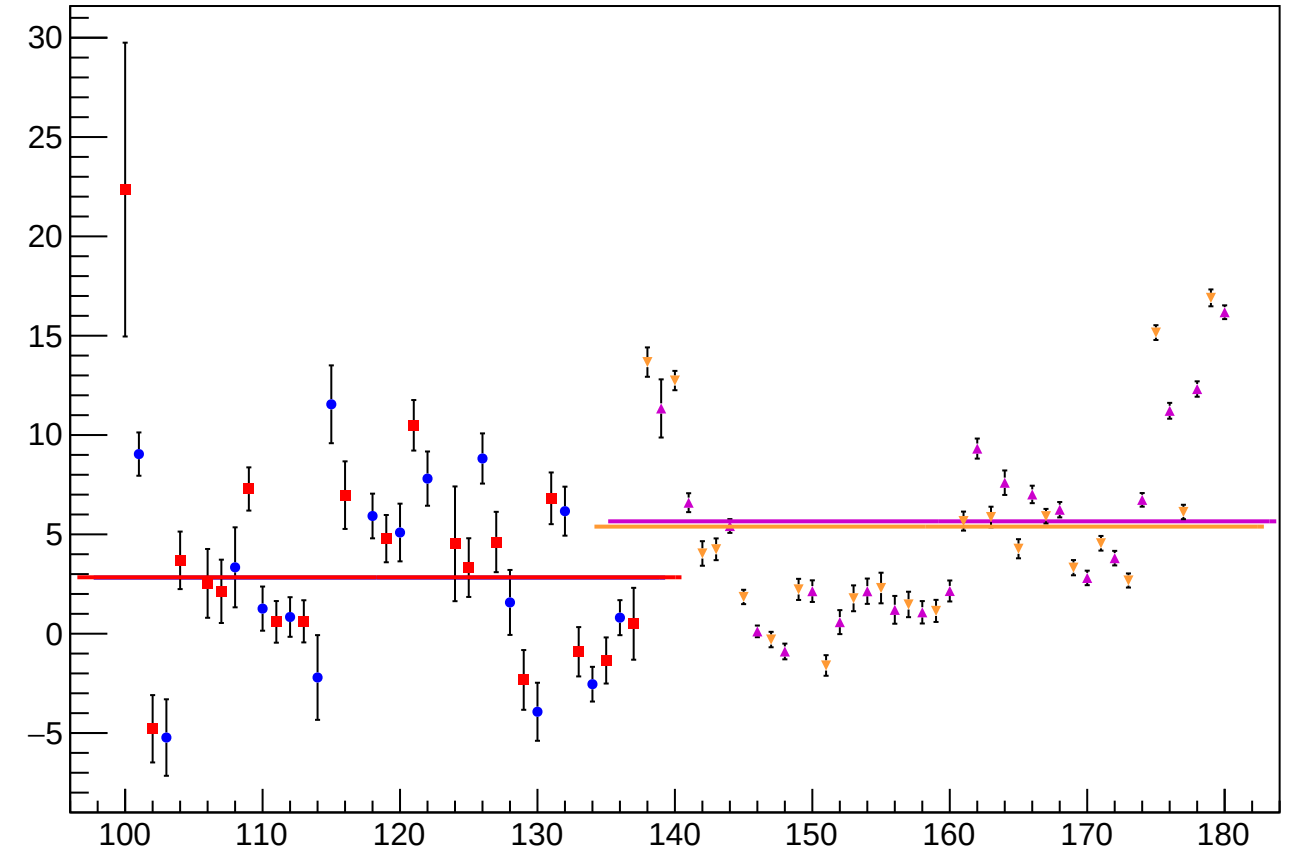
Left: -16.880+/-0.090 χ^2/NDF: 12917.6/42

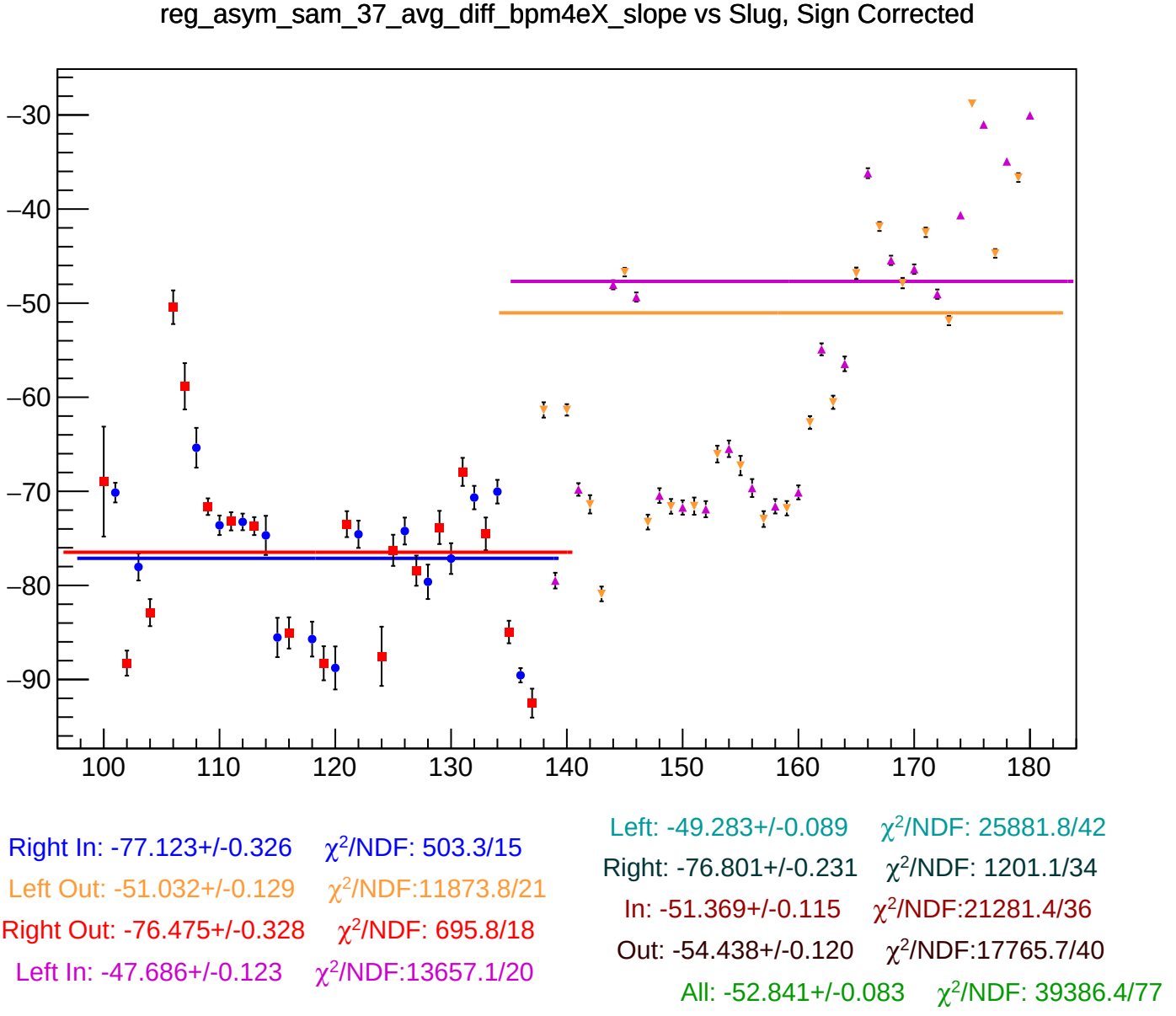
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -14.667+/-0.113 χ^2/NDF:9945.3/36

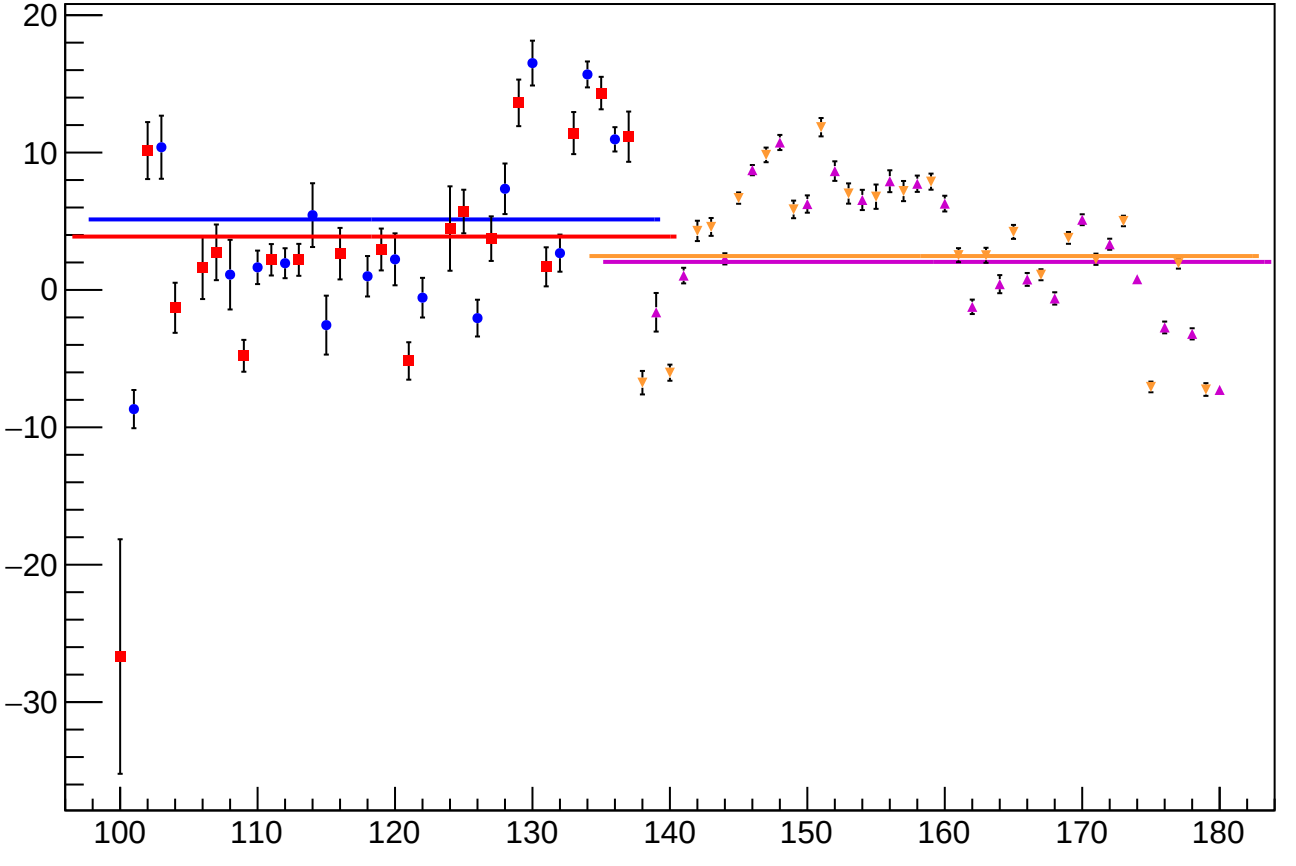
Out: -13.219+/-0.117 χ^2/NDF:9748.6/40

All: -13.964+/-0.081 χ^2/NDF: 19773.4/77


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 5.390+/-0.097 χ²/NDF:2560.8/21
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 5.656+/-0.095 χ²/NDF:2525.7/20
Left: 5.527+/-0.068 χ²/NDF: 5090.3/42
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 5.419+/-0.091 χ²/NDF:2800.1/36
Out: 5.177+/-0.093 χ²/NDF:2763.1/40
All: 5.301+/-0.065 χ²/NDF: 5566.7/77


reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
180
Right In: -77.123+/-0.326 χ²/NDF: 503.3/15
Left Out: -51.032+/-0.129 χ²/NDF:11873.8/21
Right Out: -76.475+/-0.328 χ²/NDF: 695.8/18
Left In: -47.686+/-0.123 χ²/NDF:13657.1/20
Left: -49.283+/-0.089 χ²/NDF: 25881.8/42
Right: -76.801+/-0.231 χ²/NDF: 1201.1/34
In: -51.369+/-0.115 χ²/NDF:21281.4/36
Out: -54.438+/-0.120 χ²/NDF:17765.7/40
All: -52.841+/-0.083 χ²/NDF: 39386.4/77

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 2.466+/-0.109 χ^2/NDF:2168.9/21

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 2.041+/-0.106 χ^2/NDF:2055.5/20

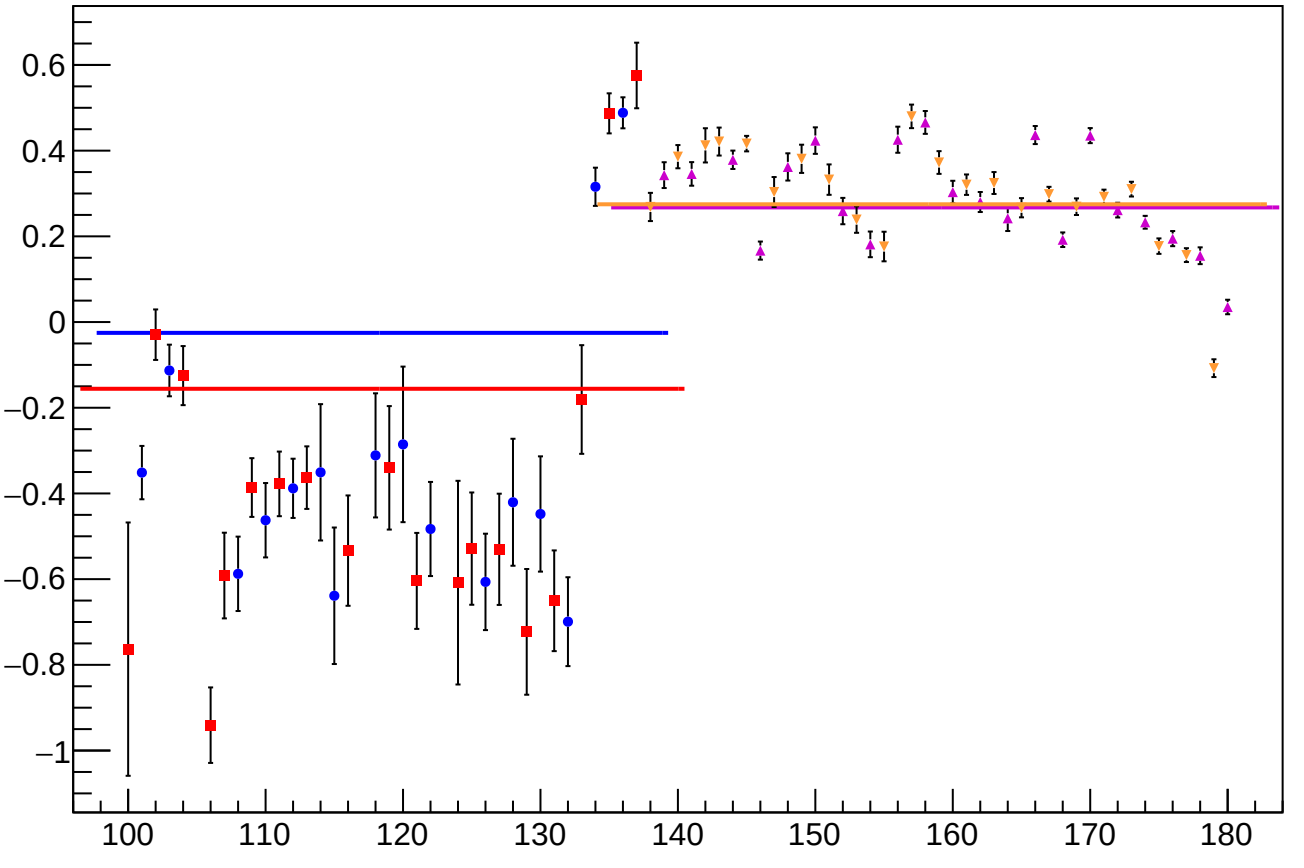
Left: 2.247+/-0.076 χ^2/NDF: 4232.2/42

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 2.302+/-0.102 χ^2/NDF:2539.4/36

Out: 2.585+/-0.105 χ^2/NDF:2474.5/40

All: 2.440+/-0.073 χ^2/NDF: 5017.6/77



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.275+/-0.005 χ^2/NDF:641.0/21

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.267+/-0.005 χ^2/NDF:610.2/20

Left: 0.271+/-0.003 χ^2/NDF: 1252.4/42

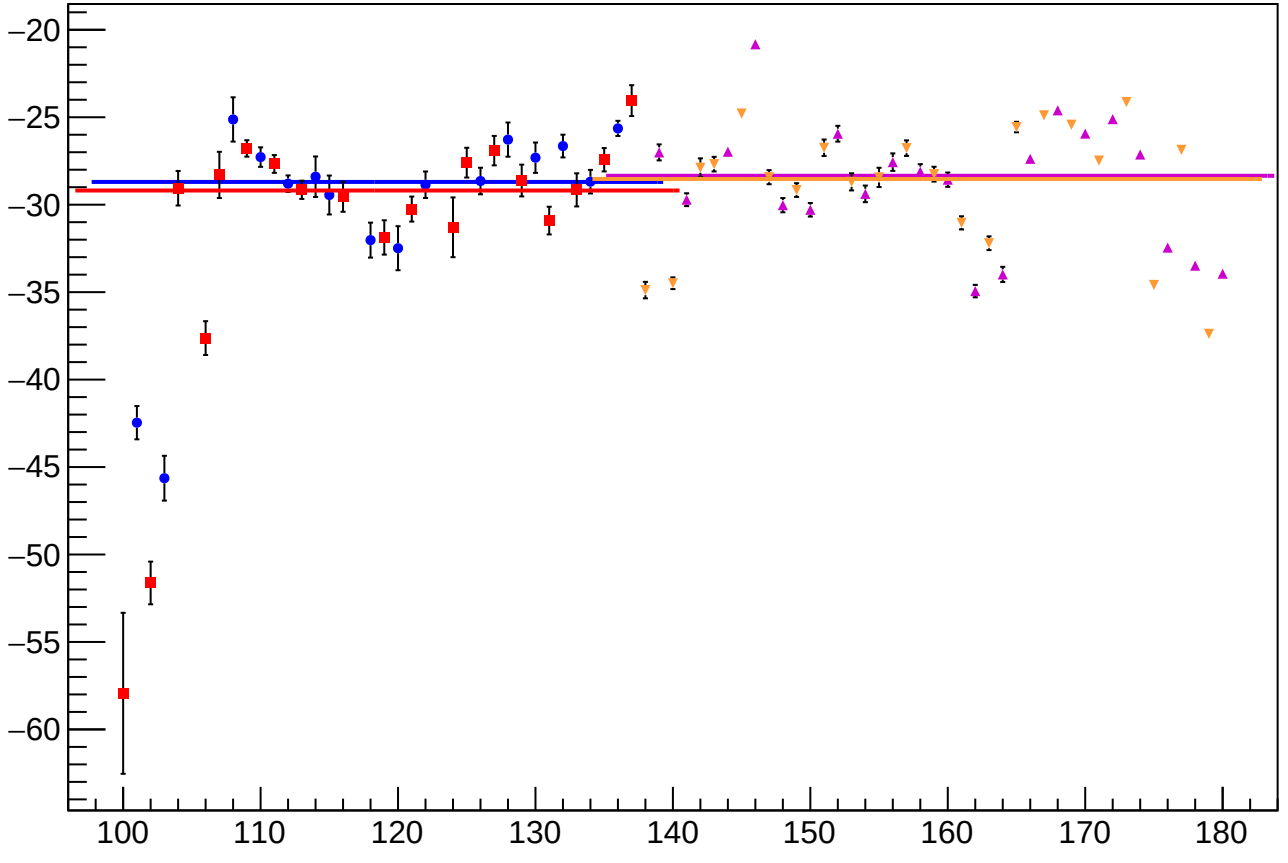
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.250+/-0.005 χ^2/NDF:1347.3/36

Out: 0.251+/-0.005 χ^2/NDF:1564.4/40

All: 0.250+/-0.003 χ^2/NDF: 2911.7/77

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.529+/-0.064 χ^2/NDF:4280.9/21

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -28.348+/-0.060 χ^2/NDF:4337.5/20

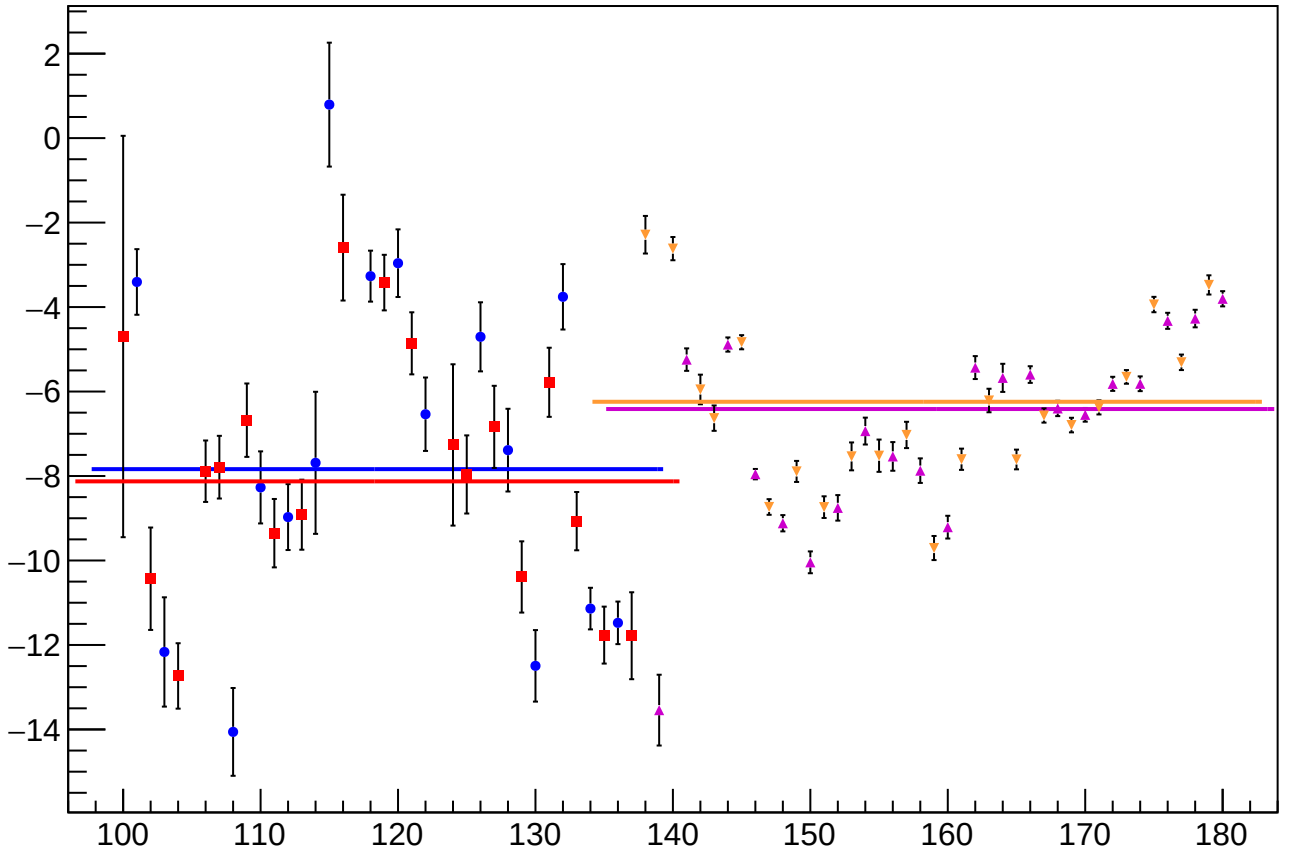
Left: -28.434+/-0.044 χ^2/NDF: 8622.7/42

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.381+/-0.057 χ^2/NDF:4828.1/36

Out: -28.601+/-0.060 χ^2/NDF:4850.0/40

All: -28.486+/-0.041 χ^2/NDF: 9685.1/77



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.242+/-0.048 χ^2/NDF:1250.5/21

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.414+/-0.046 χ^2/NDF:1429.3/20

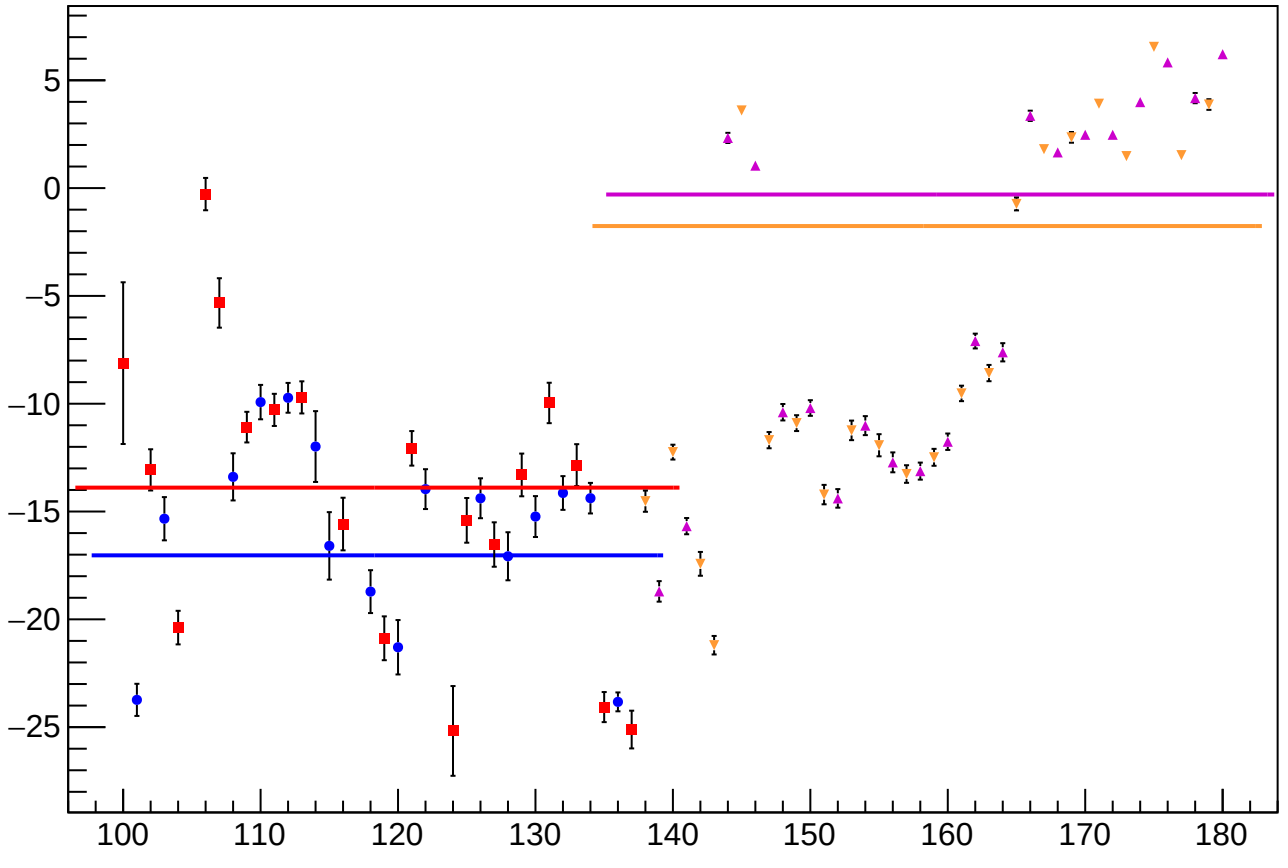
Left: -6.332+/-0.033 χ^2/NDF: 2686.6/42

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.488+/-0.044 χ^2/NDF:1863.1/36

Out: -6.347+/-0.046 χ^2/NDF:1534.5/40

All: -6.420+/-0.032 χ^2/NDF: 3402.4/77



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -1.760+/-0.063 χ^2/NDF:14317.7/21

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -0.297+/-0.060 χ^2/NDF:13228.4/20

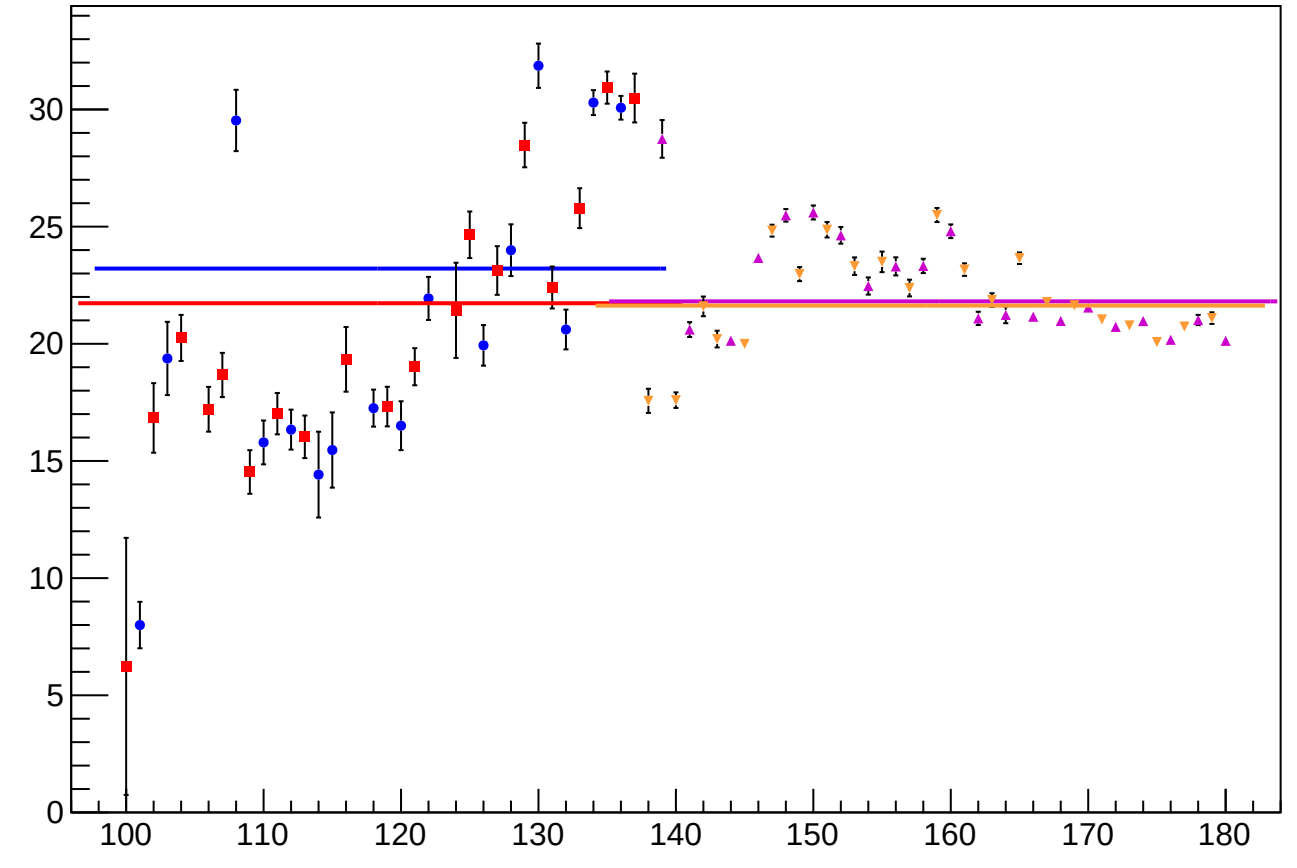
Left: -0.991+/-0.044 χ^2/NDF: 27827.4/42

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -1.569+/-0.058 χ^2/NDF:19733.1/36

Out: -2.775+/-0.061 χ^2/NDF:18413.0/40

All: -2.144+/-0.042 χ^2/NDF: 38353.9/77



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.630+/-0.053 χ^2/NDF:1008.9/21

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.810+/-0.051 χ^2/NDF:1112.5/20

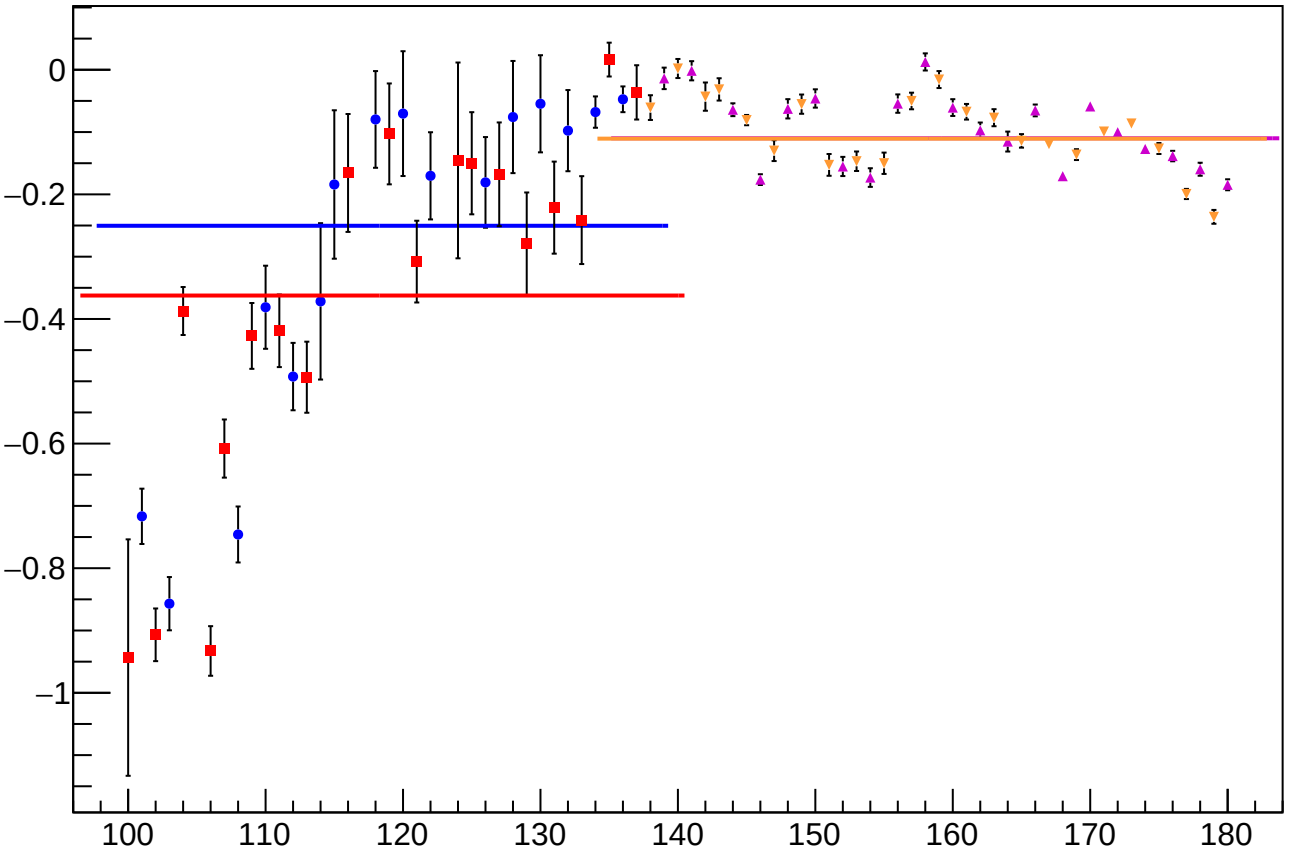
Left: 21.724+/-0.037 χ^2/NDF: 2127.4/42

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 21.884+/-0.050 χ^2/NDF:2159.8/36

Out: 21.635+/-0.052 χ^2/NDF:1567.3/40

All: 21.765+/-0.036 χ^2/NDF: 3739.1/77



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.111+/-0.002 χ^2/NDF:490.7/21

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.110+/-0.002 χ^2/NDF:558.4/20

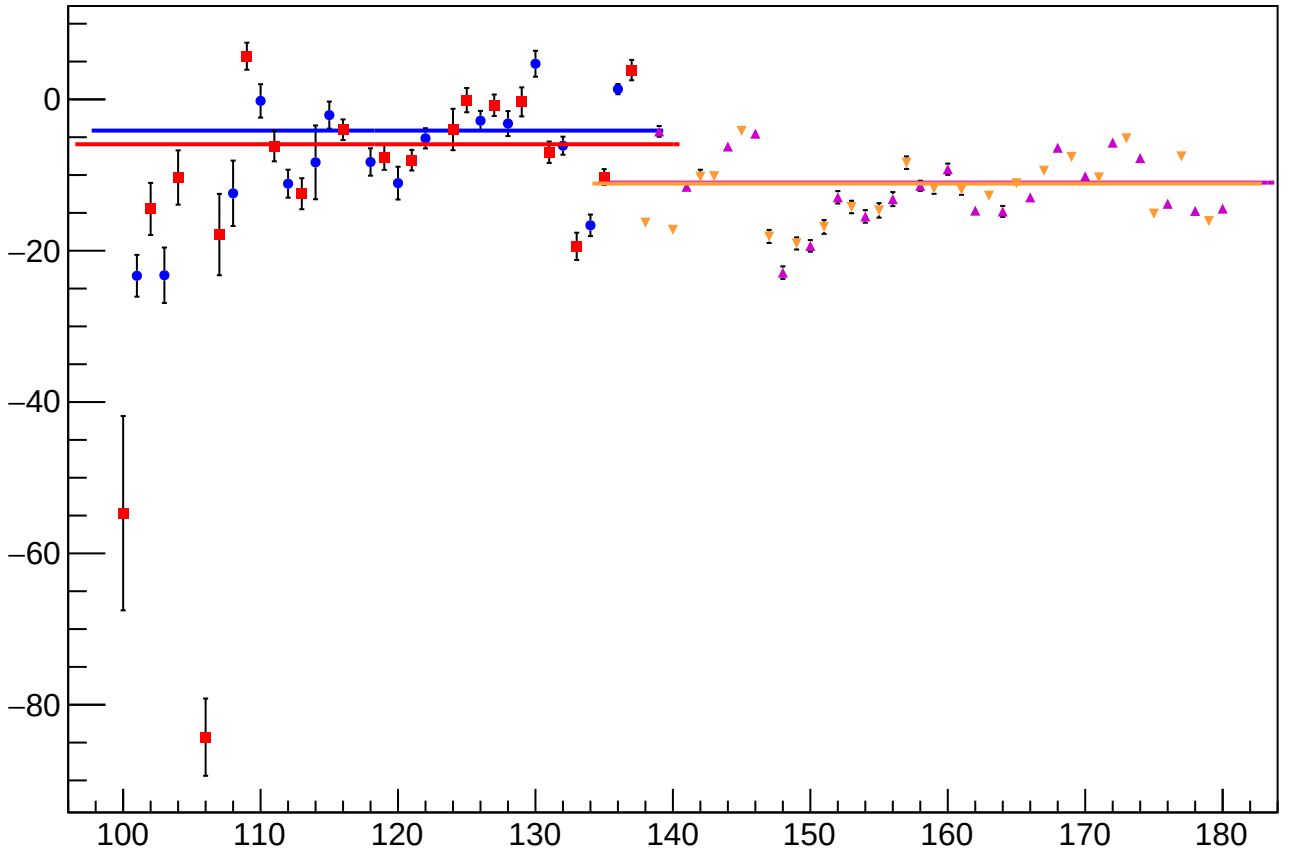
Left: -0.110+/-0.002 χ^2/NDF: 1049.1/42

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.115+/-0.002 χ^2/NDF:1331.5/36

Out: -0.120+/-0.002 χ^2/NDF:1595.8/40

All: -0.117+/-0.002 χ^2/NDF: 2929.1/77



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.122+/-0.109 χ^2/NDF:1547.9/21

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -11.000+/-0.103 χ^2/NDF:1658.8/20

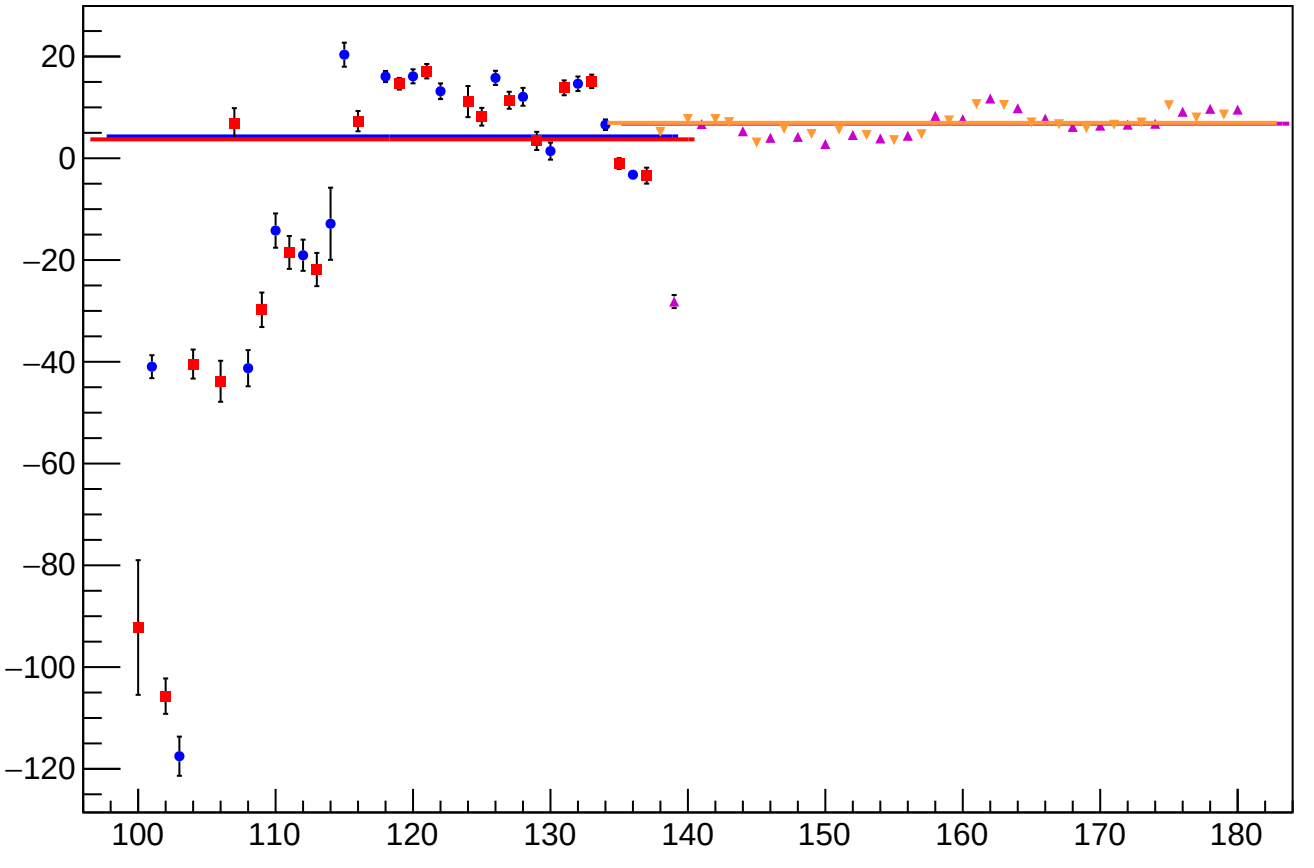
Left: -11.057+/-0.075 χ^2/NDF: 3207.4/42

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -10.533+/-0.099 χ^2/NDF:2249.1/36

Out: -10.774+/-0.106 χ^2/NDF:2181.8/40

All: -10.646+/-0.072 χ^2/NDF: 4433.7/77



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.964+/-0.083 χ^2/NDF:587.4/21

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.800+/-0.080 χ^2/NDF:1488.6/20

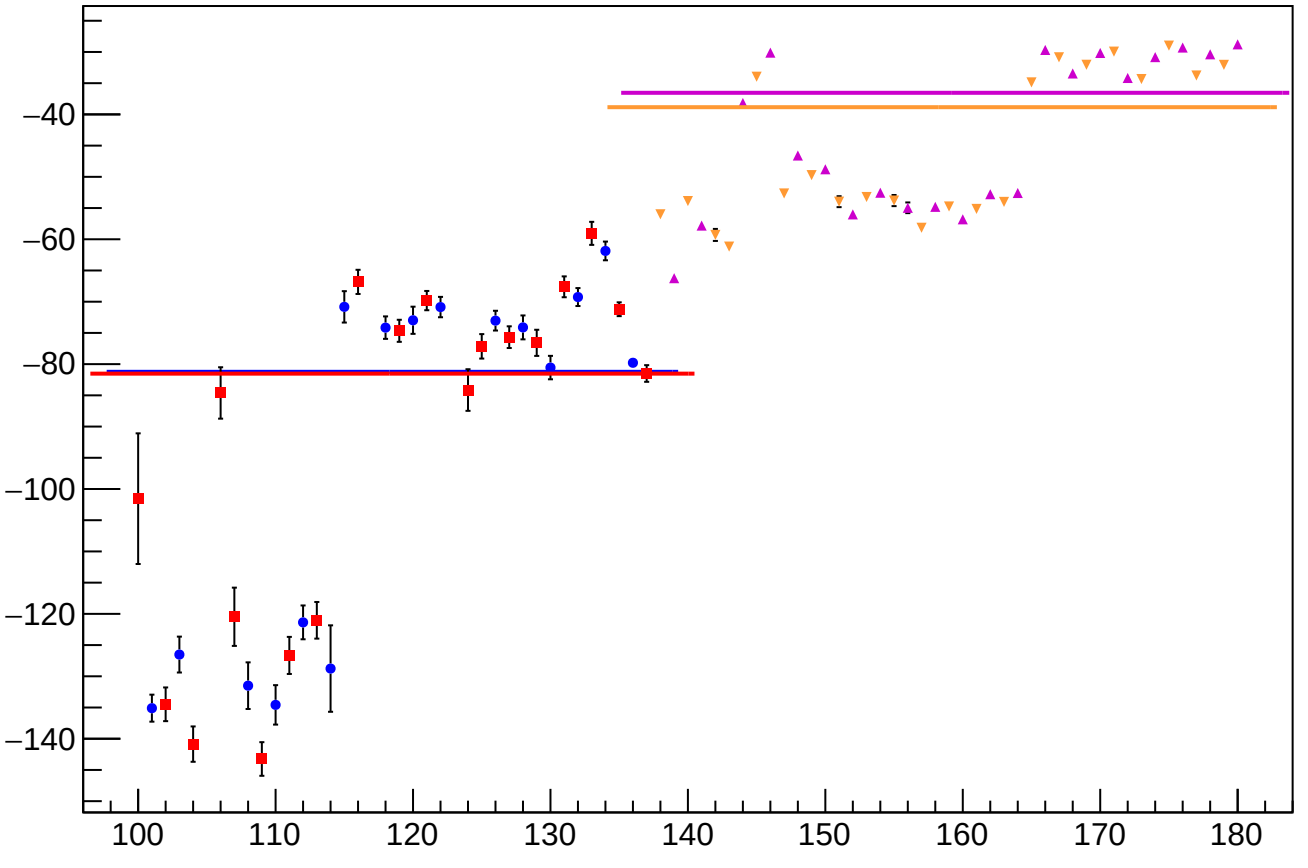
Left: 6.879+/-0.058 χ^2/NDF: 2078.0/42

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.696+/-0.079 χ^2/NDF:3698.4/36

Out: 6.842+/-0.082 χ^2/NDF:2651.5/40

All: 6.766+/-0.057 χ^2/NDF: 6351.5/77



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -38.845+/-0.109 χ^2/NDF:9648.5/21

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -36.540+/-0.103 χ^2/NDF:10410.6/20

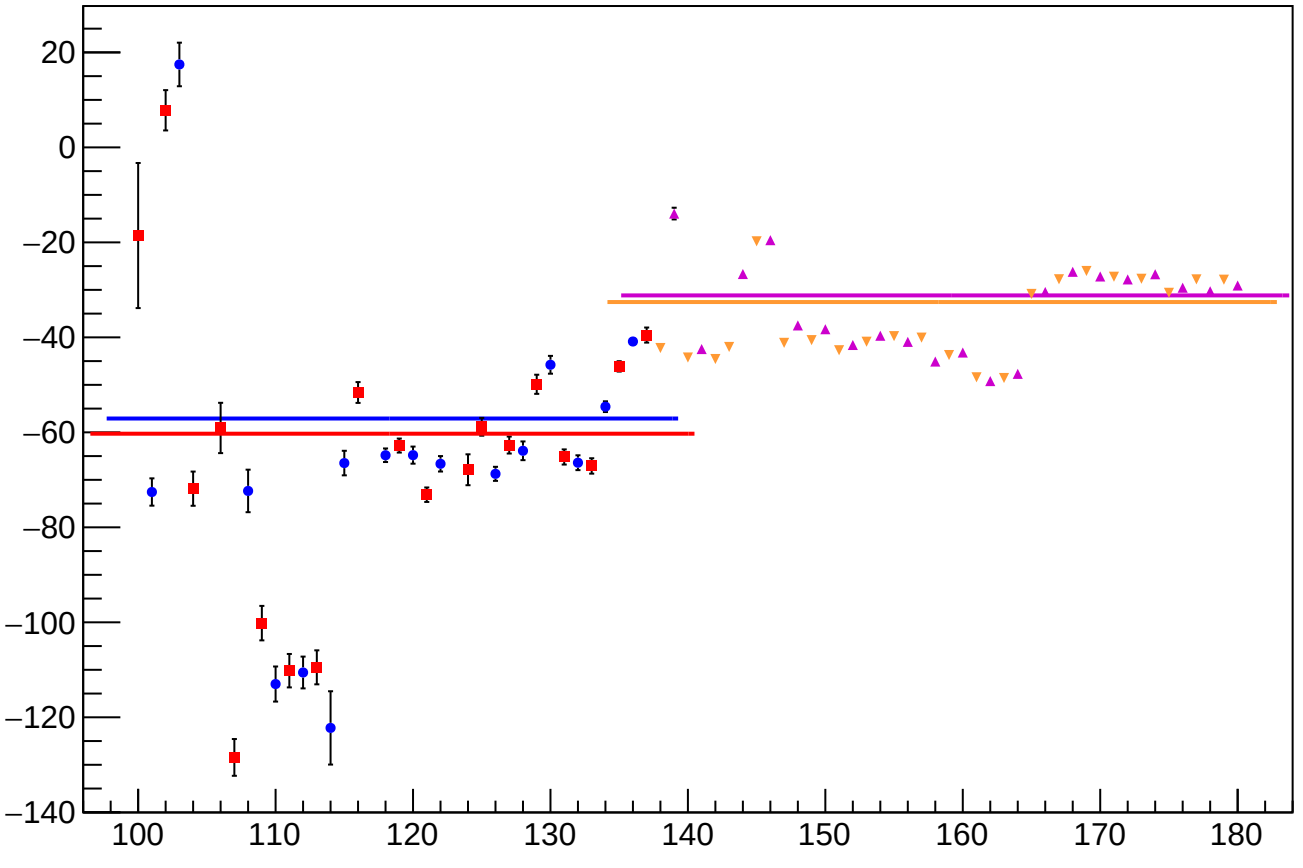
Left: -37.624+/-0.075 χ^2/NDF: 20296.0/42

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -39.098+/-0.100 χ^2/NDF:23218.9/36

Out: -41.100+/-0.106 χ^2/NDF:20038.4/40

All: -40.037+/-0.073 χ^2/NDF: 43446.1/77



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.563+/-0.093 χ^2/NDF:7739.5/21

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.167+/-0.089 χ^2/NDF:7362.9/20

Left: -31.837+/-0.064 χ^2/NDF: 15219.4/42

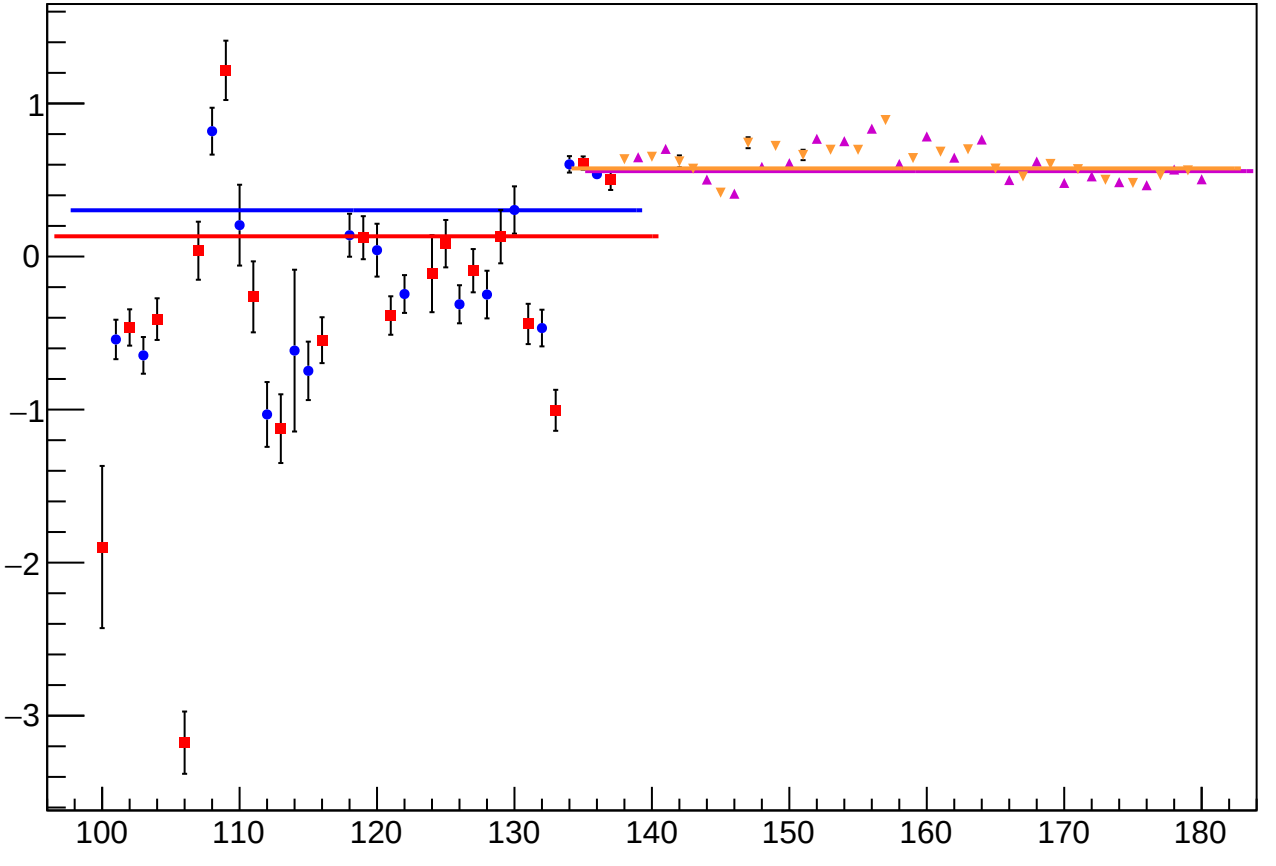
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.263+/-0.088 χ^2/NDF:12440.4/36

Out: -33.609+/-0.091 χ^2/NDF:12675.2/40

All: -32.908+/-0.063 χ^2/NDF: 25228.9/77

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: 0.576+/-0.004 χ^2/NDF:535.1/21

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.558+/-0.004 χ^2/NDF:669.1/20

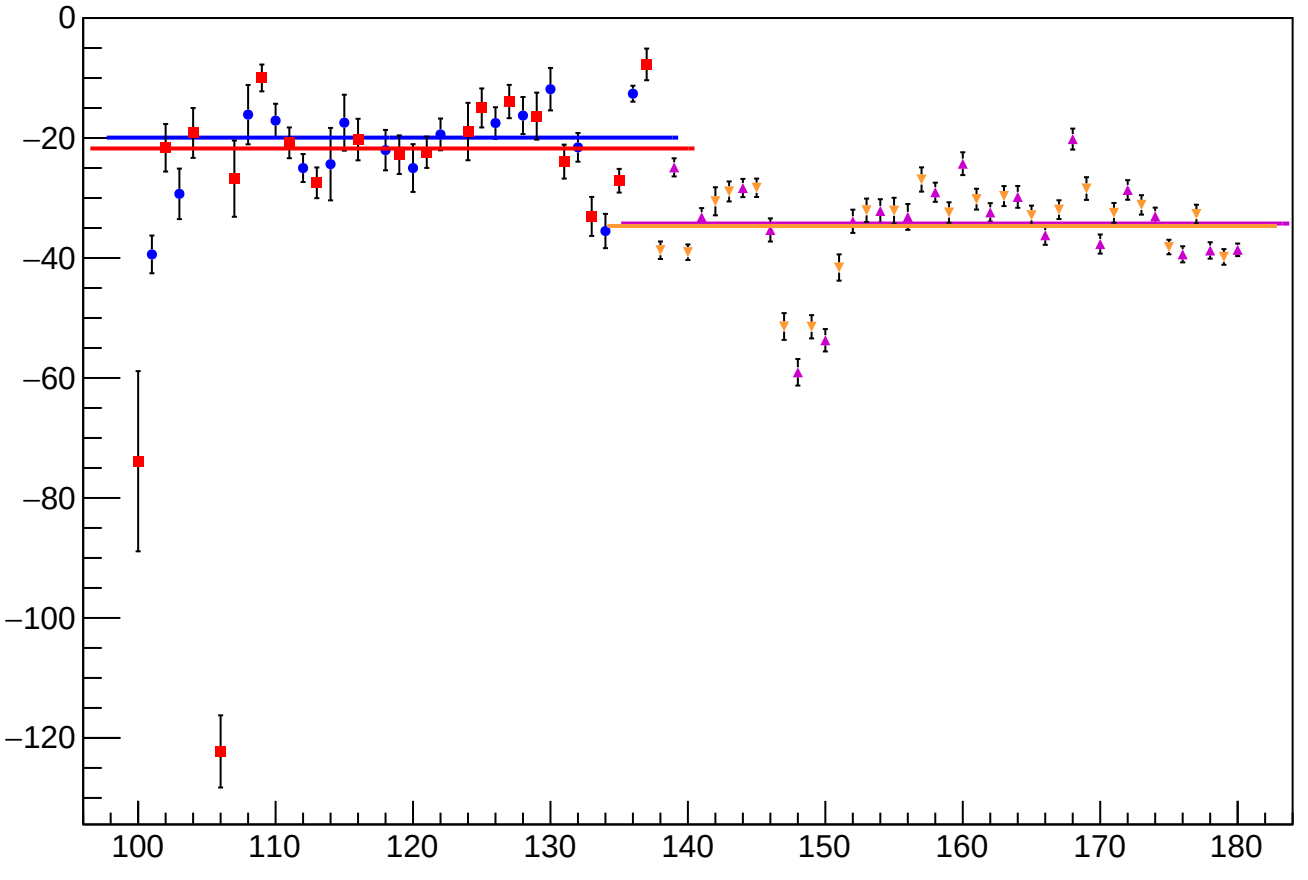
Left: 0.567+/-0.003 χ^2/NDF: 1213.8/42

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.550+/-0.004 χ^2/NDF:1164.5/36

Out: 0.565+/-0.004 χ^2/NDF:1481.1/40

All: 0.557+/-0.003 χ^2/NDF: 2652.3/77



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.662+/-0.354 χ^2/NDF:274.9/21

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -34.259+/-0.350 χ^2/NDF:462.0/20

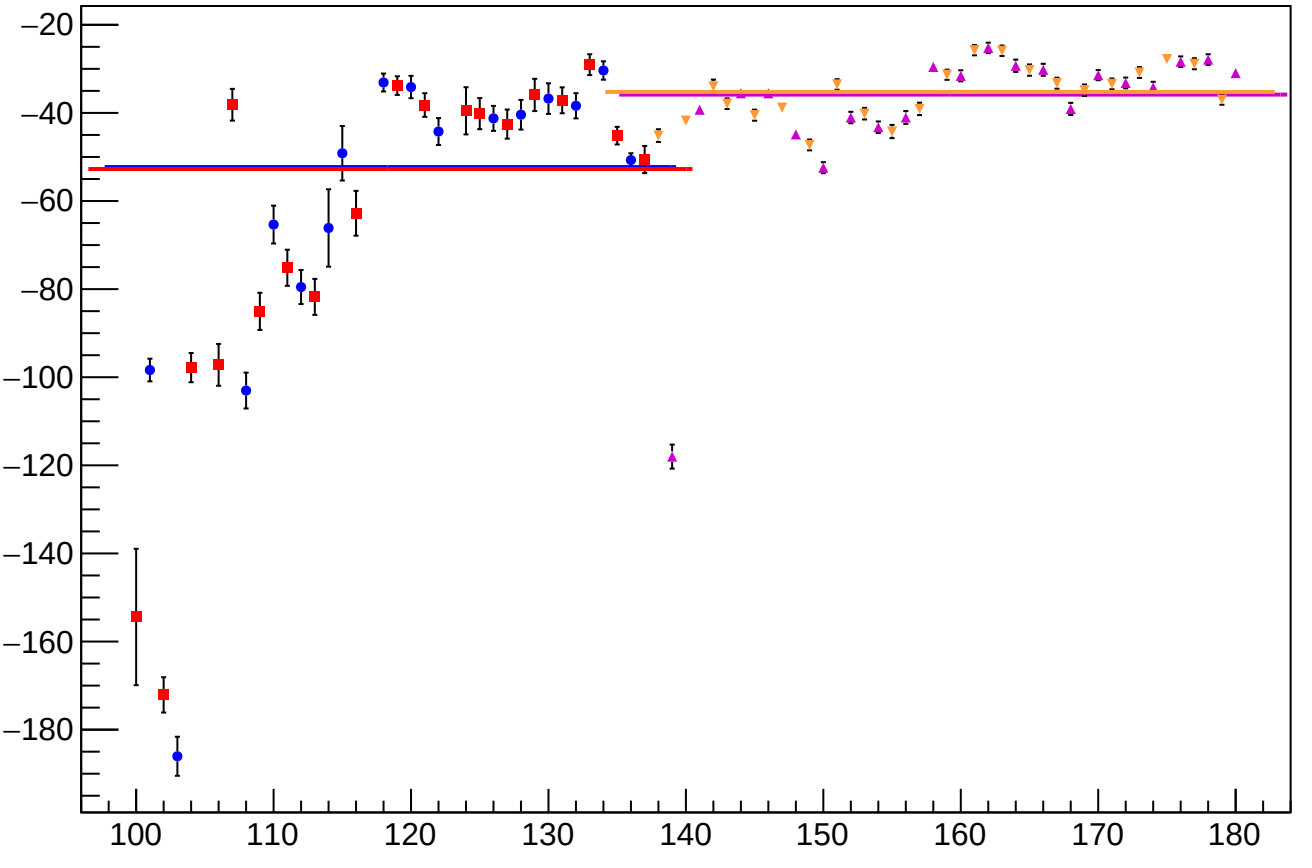
Left: -34.458+/-0.249 χ^2/NDF: 737.5/42

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -31.359+/-0.313 χ^2/NDF:921.6/36

Out: -32.108+/-0.317 χ^2/NDF:926.0/40

All: -31.728+/-0.223 χ^2/NDF: 1850.4/77



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.240+/-0.264 χ^2/NDF:515.9/21

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -35.842+/-0.269 χ^2/NDF:1524.5/20

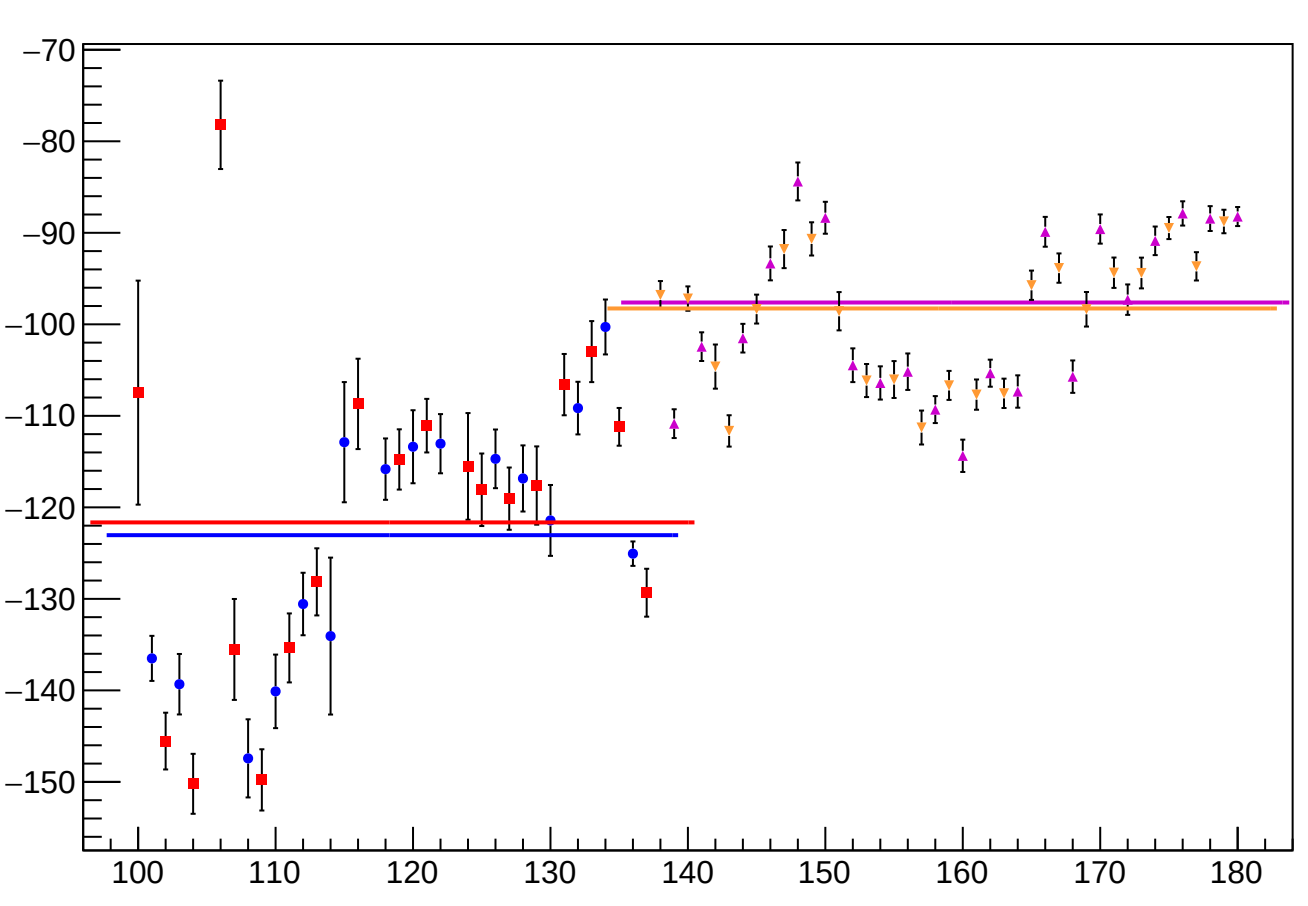
Left: -35.535+/-0.188 χ^2/NDF: 2043.0/42

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -37.911+/-0.251 χ^2/NDF:3774.8/36

Out: -37.172+/-0.249 χ^2/NDF:2664.9/40

All: -37.538+/-0.177 χ^2/NDF: 6444.1/77



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.267+/-0.350 χ^2/NDF:411.5/21

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -97.616+/-0.346 χ^2/NDF:691.5/20

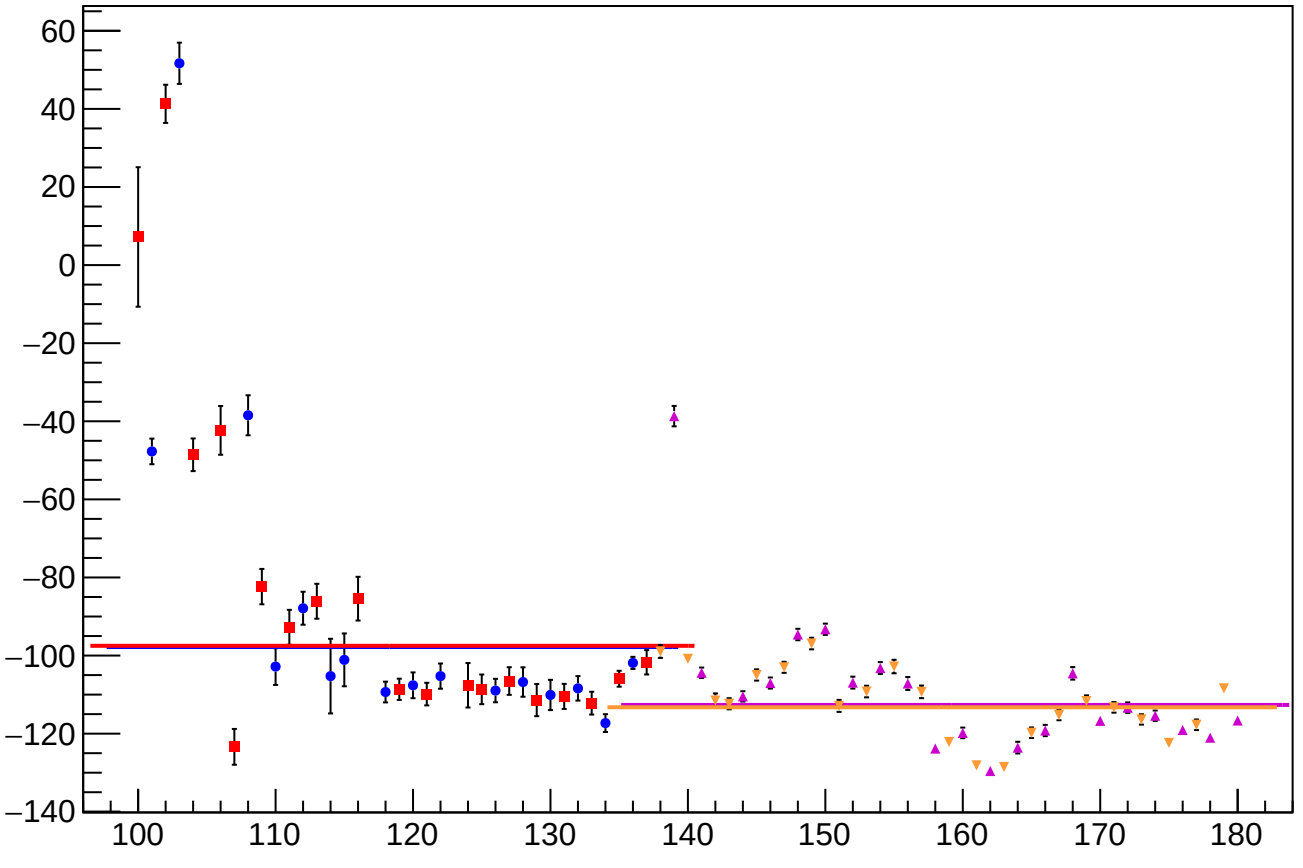
Left: -97.937+/-0.246 χ^2/NDF: 1104.7/42

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -102.068+/-0.314 χ^2/NDF:1866.2/36

Out: -102.017+/-0.321 χ^2/NDF:1550.8/40

All: -102.043+/-0.224 χ^2/NDF: 3417.0/77



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.246+/-0.298 χ^2/NDF:888.0/21

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -112.642+/-0.300 χ^2/NDF:1762.5/20

Left: -112.946+/-0.211 χ^2/NDF: 2652.6/42

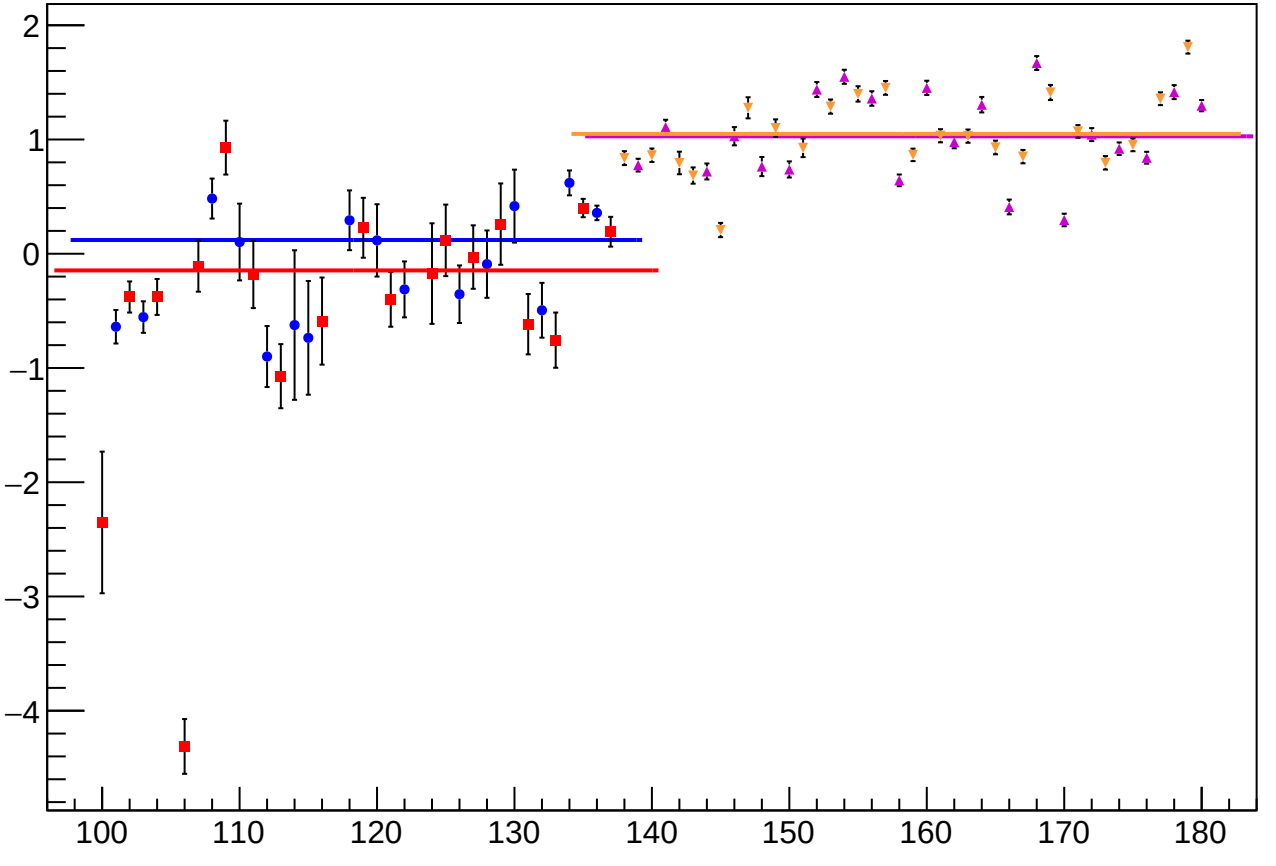
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.785+/-0.281 χ^2/NDF:3399.2/36

Out: -111.498+/-0.281 χ^2/NDF:2434.6/40

All: -111.141+/-0.199 χ^2/NDF: 5837.0/77

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.049+/-0.013 χ^2/NDF:618.2/21

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.028+/-0.013 χ^2/NDF:790.8/20

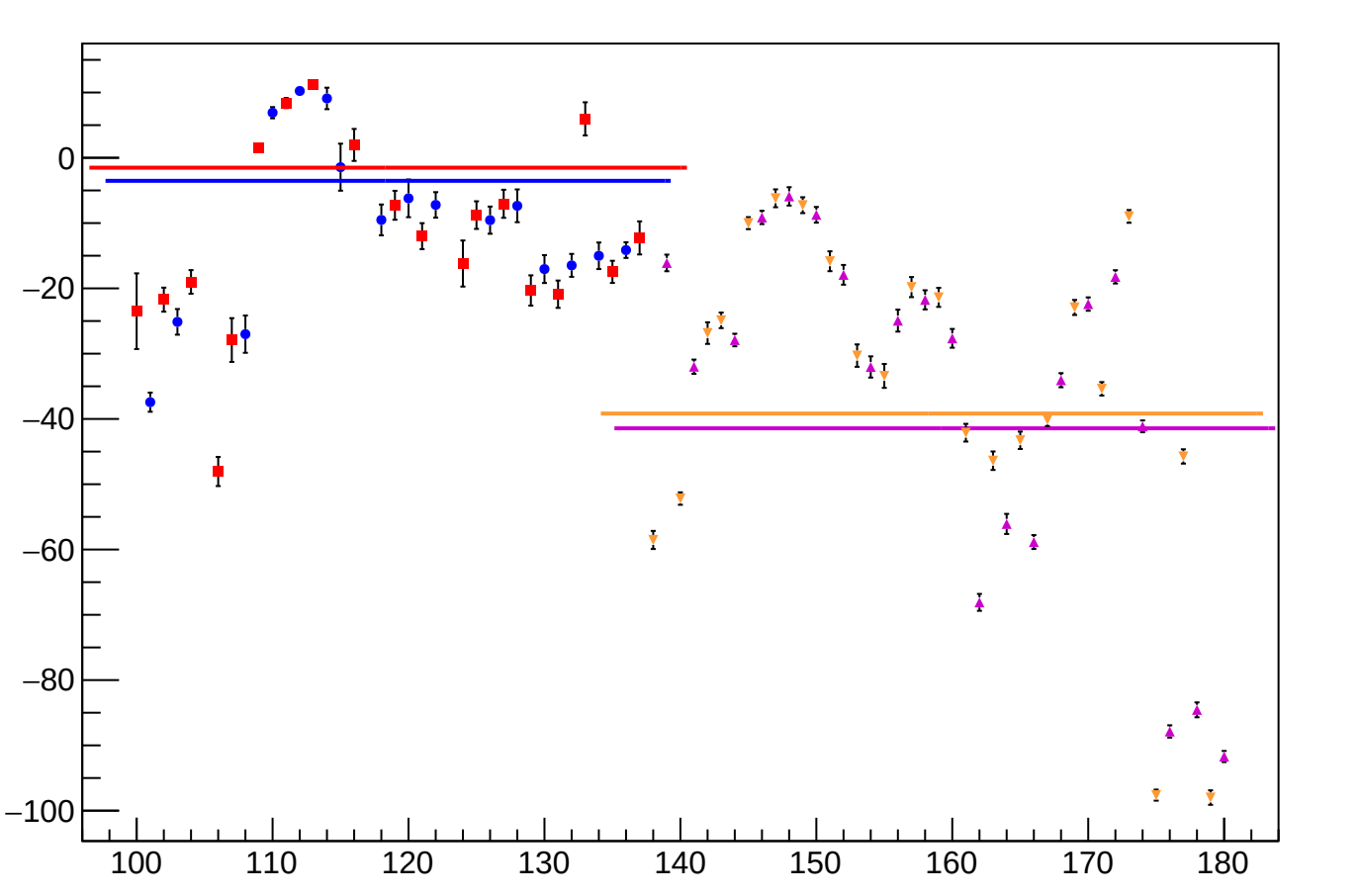
Left: 1.038+/-0.009 χ^2/NDF: 1410.2/42

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.943+/-0.013 χ^2/NDF:1354.1/36

Out: 0.951+/-0.013 χ^2/NDF:1690.1/40

All: 0.947+/-0.009 χ^2/NDF: 3044.4/77



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -39.175+/-0.254 χ^2/NDF:12212.9/21

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -41.435+/-0.250 χ^2/NDF:12728.6/20

Left: -40.323+/-0.178 χ^2/NDF: 24981.6/42

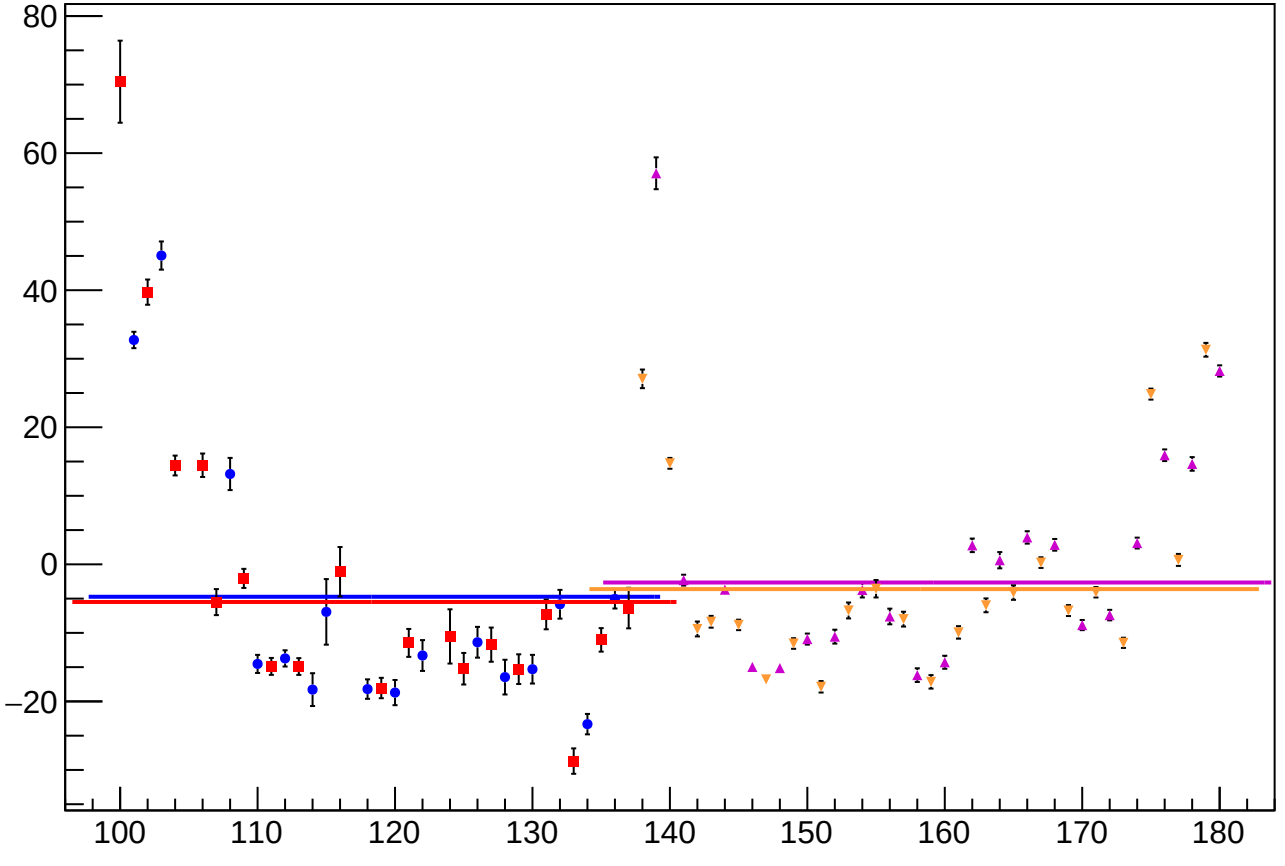
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -29.837+/-0.208 χ^2/NDF:21283.6/36

Out: -25.589+/-0.203 χ^2/NDF:21653.5/40

All: -27.660+/-0.146 χ^2/NDF: 43149.9/77

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: -3.613+/-0.187 χ^2/NDF:4889.4/21

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -2.649+/-0.188 χ^2/NDF:4435.4/20

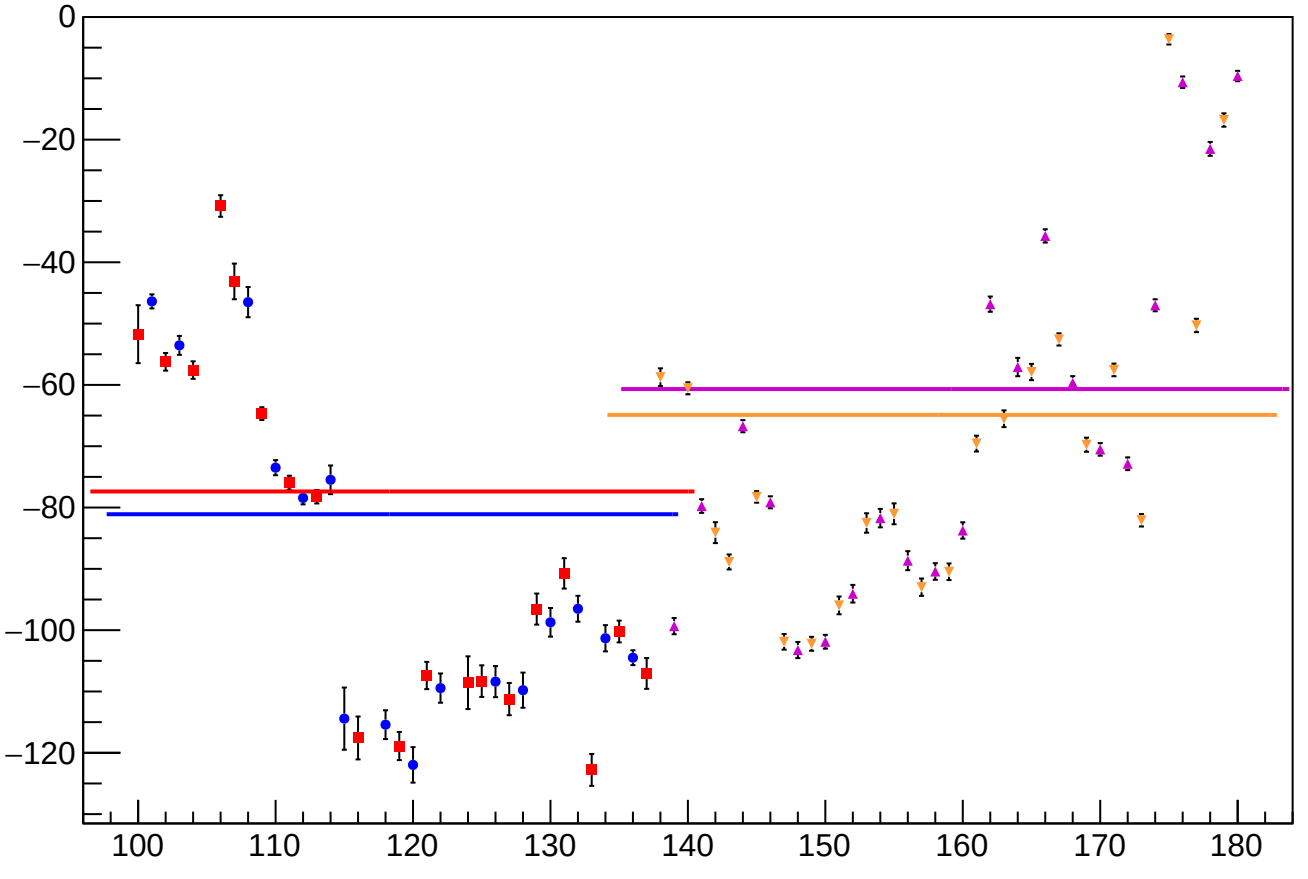
Left: -3.134+/-0.133 χ^2/NDF: 9338.0/42

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -2.983+/-0.173 χ^2/NDF:6603.0/36

Out: -3.921+/-0.171 χ^2/NDF:6414.5/40

All: -3.456+/-0.121 χ^2/NDF: 13032.4/77



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -64.889+/-0.252 χ^2/NDF:11962.0/21

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -60.678+/-0.248 χ^2/NDF:14575.4/20

Left: -62.749+/-0.177 χ^2/NDF: 26679.2/42

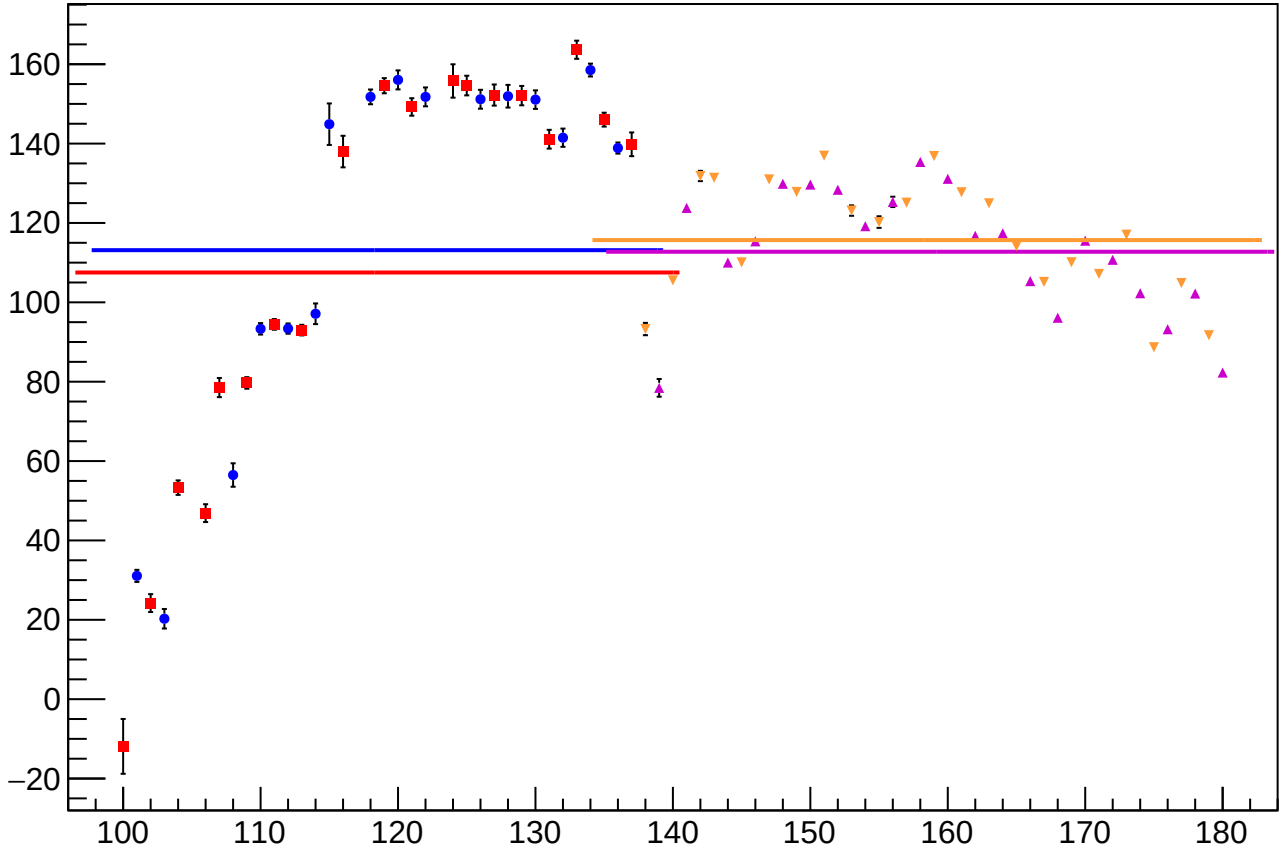
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -65.627+/-0.216 χ^2/NDF:19088.3/36

Out: -68.234+/-0.216 χ^2/NDF:15749.1/40

All: -66.932+/-0.153 χ^2/NDF: 34910.3/77

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: 115.686+/-0.213 χ^2/NDF:4324.4/21

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 112.745+/-0.213 χ^2/NDF:4482.4/20

Left: 114.216+/-0.150 χ^2/NDF: 8902.4/42

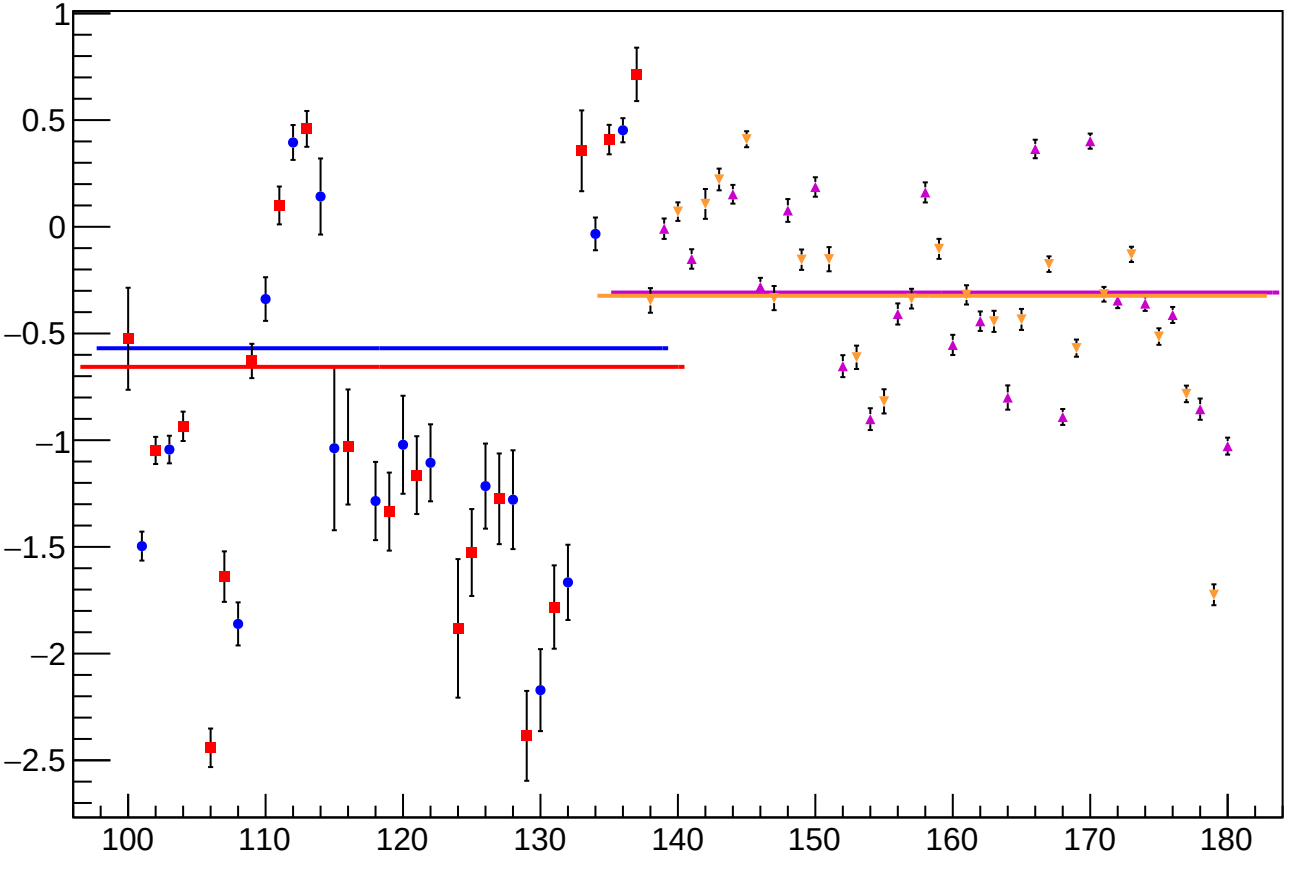
Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 112.809+/-0.195 χ^2/NDF:12687.1/36

Out: 114.342+/-0.194 χ^2/NDF:12111.2/40

All: 113.578+/-0.138 χ^2/NDF: 24829.3/77

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.323+/-0.010 χ^2/NDF:1845.8/21

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.308+/-0.009 χ^2/NDF:2065.9/20

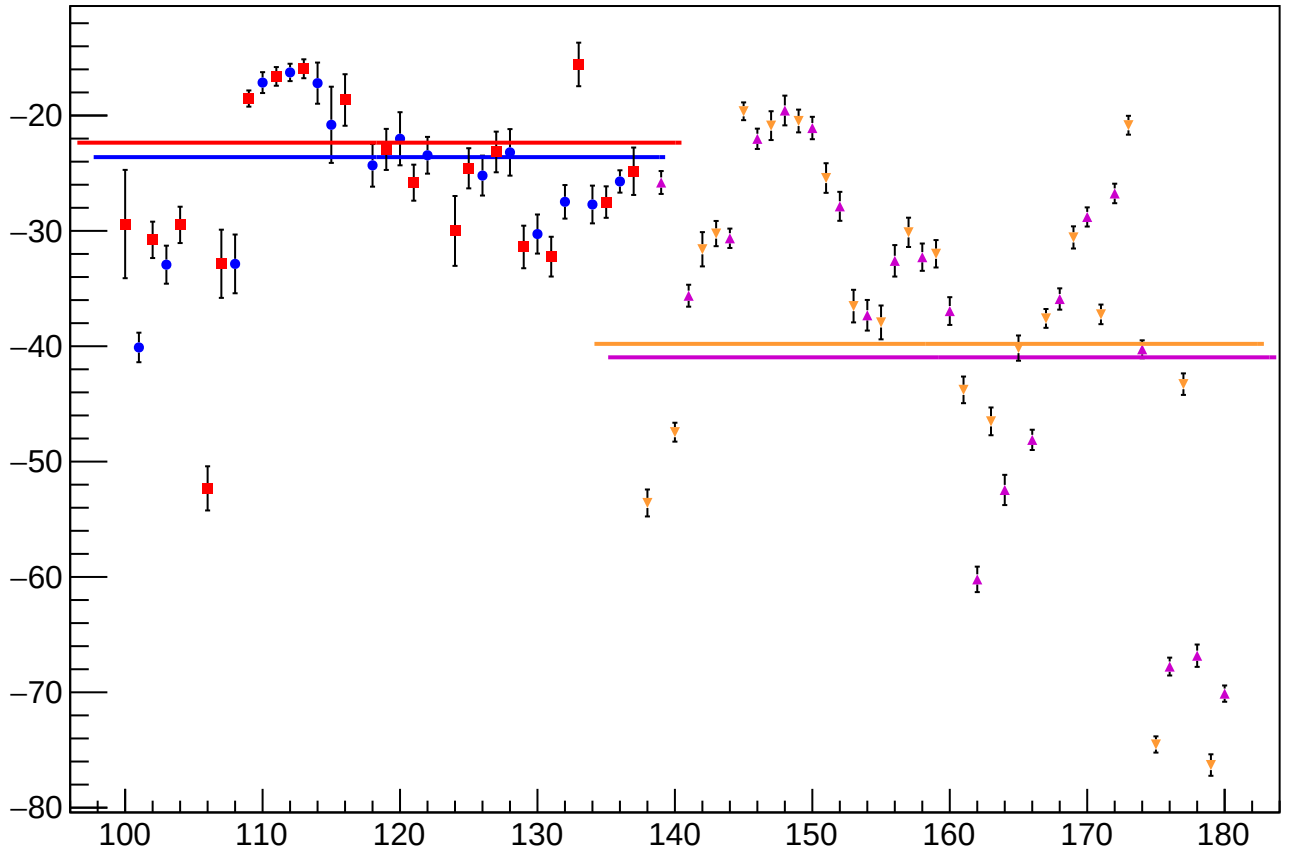
Left: -0.316+/-0.007 χ^2/NDF: 3913.0/42

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.339+/-0.009 χ^2/NDF:3253.5/36

Out: -0.365+/-0.009 χ^2/NDF:3313.6/40

All: -0.352+/-0.006 χ^2/NDF: 6571.3/77



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -39.794+/-0.214 χ^2/NDF:6539.0/21

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -40.961+/-0.210 χ^2/NDF:6386.0/20

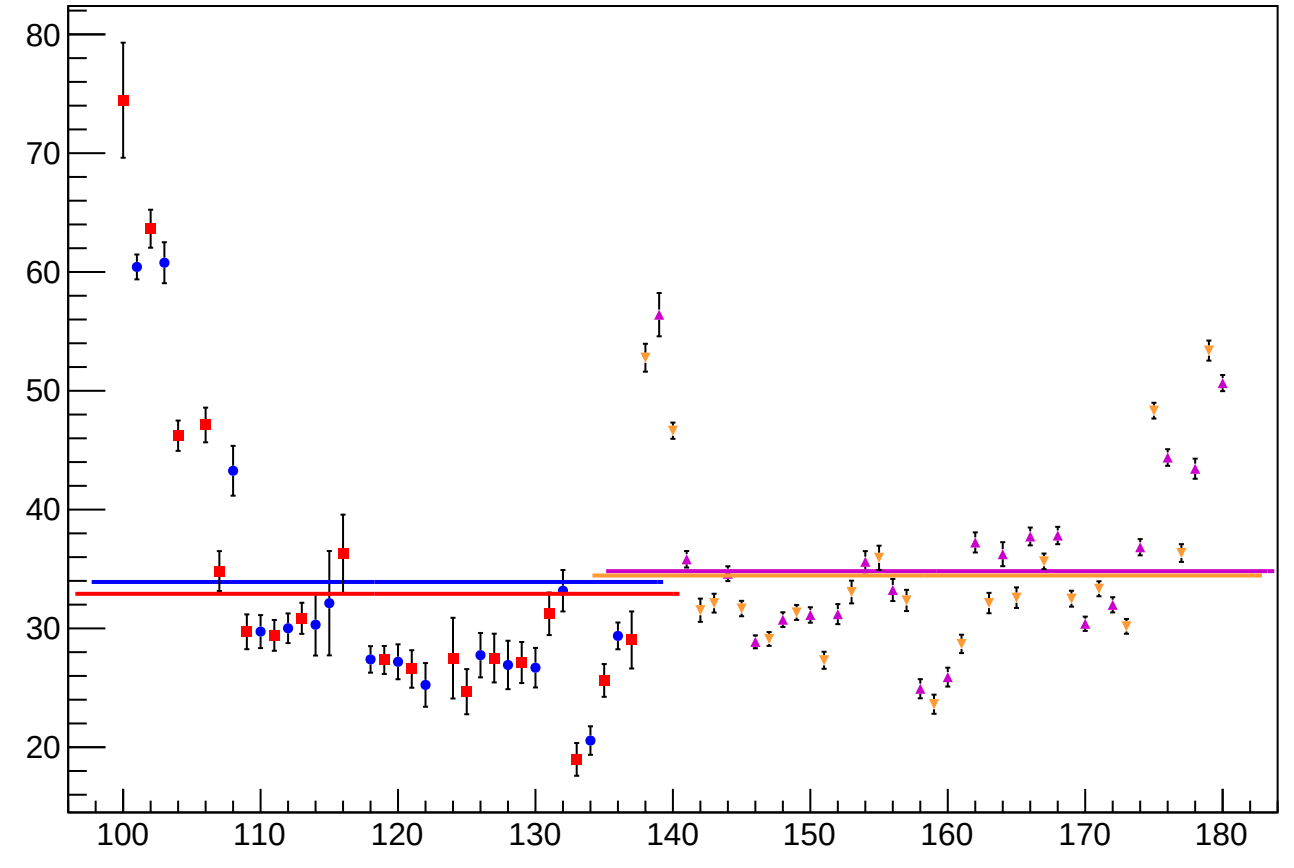
Left: -40.390+/-0.150 χ^2/NDF: 12940.1/42

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -36.345+/-0.180 χ^2/NDF:8614.5/36

Out: -34.444+/-0.178 χ^2/NDF:9127.3/40

All: -35.387+/-0.127 χ^2/NDF: 17798.3/77



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 34.451+/-0.159 χ^2/NDF:2071.7/21

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 34.821+/-0.160 χ^2/NDF:1595.3/20

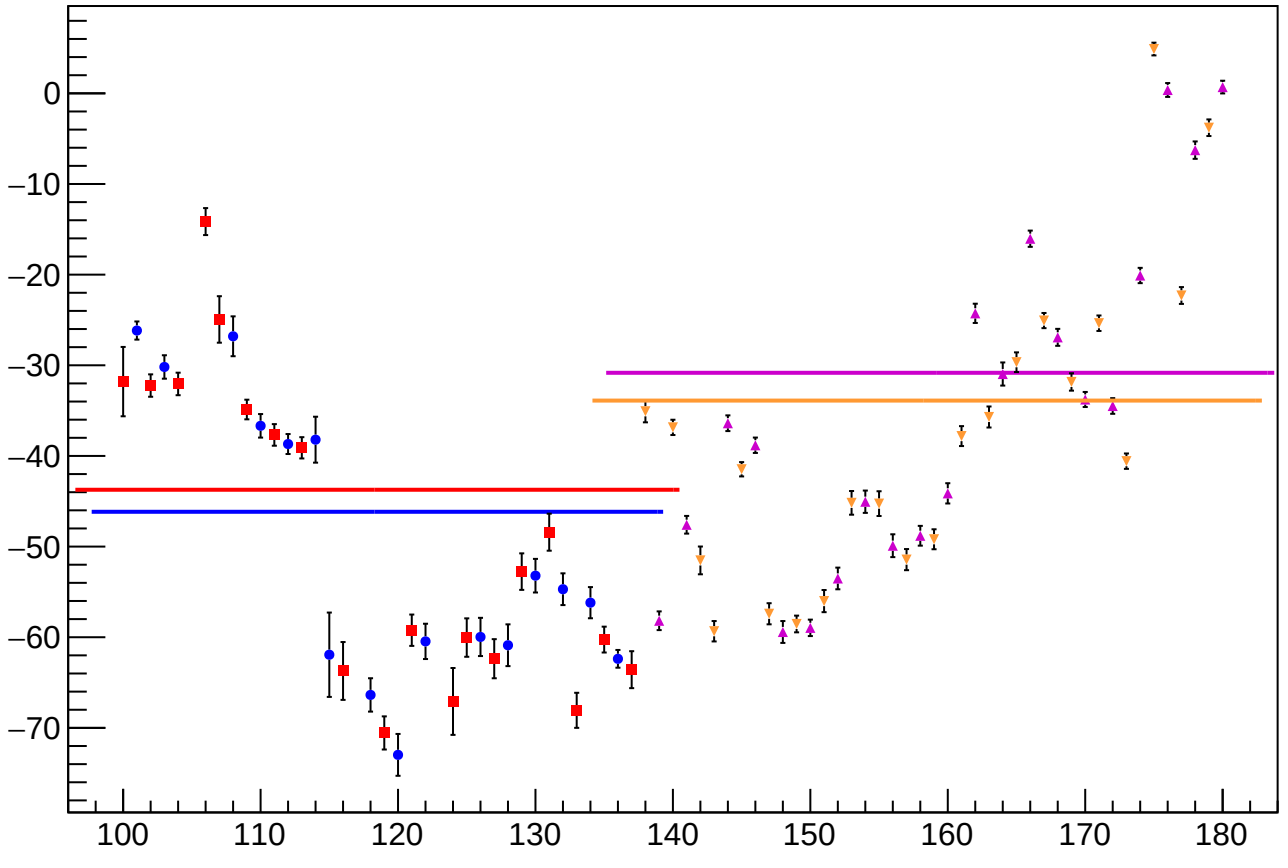
Left: 34.635+/-0.113 χ^2/NDF: 3669.7/42

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 34.681+/-0.147 χ^2/NDF:2784.7/36

Out: 34.215+/-0.146 χ^2/NDF:2961.1/40

All: 34.446+/-0.104 χ^2/NDF: 5750.9/77



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -33.893+/-0.212 χ^2/NDF:7352.1/21

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -30.828+/-0.208 χ^2/NDF:8649.1/20

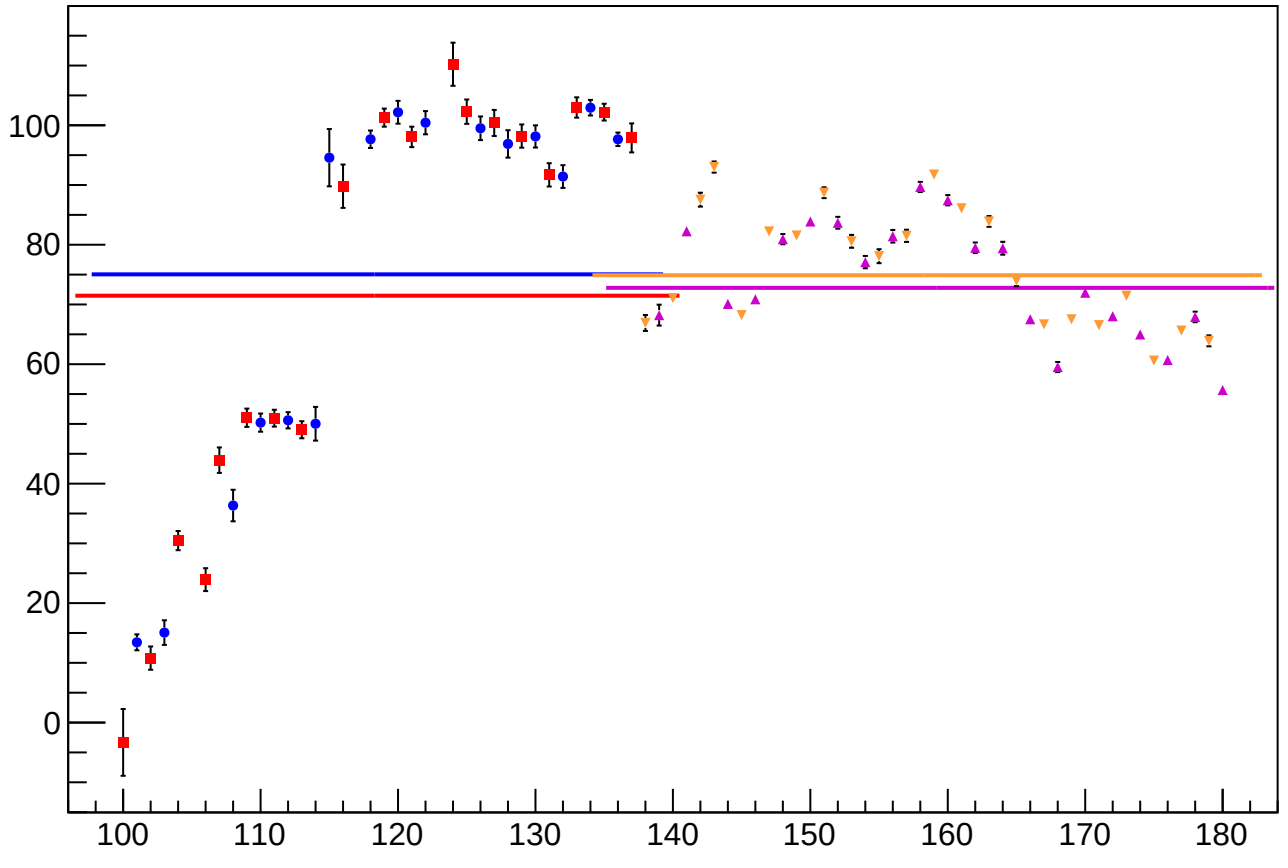
Left: -32.329+/-0.148 χ^2/NDF: 16107.7/42

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -34.221+/-0.183 χ^2/NDF:11343.3/36

Out: -36.245+/-0.185 χ^2/NDF:9530.0/40

All: -35.224+/-0.130 χ^2/NDF: 20933.7/77



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 74.897+/-0.180 χ^2/NDF:2879.5/21

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 72.784+/-0.179 χ^2/NDF:2766.3/20

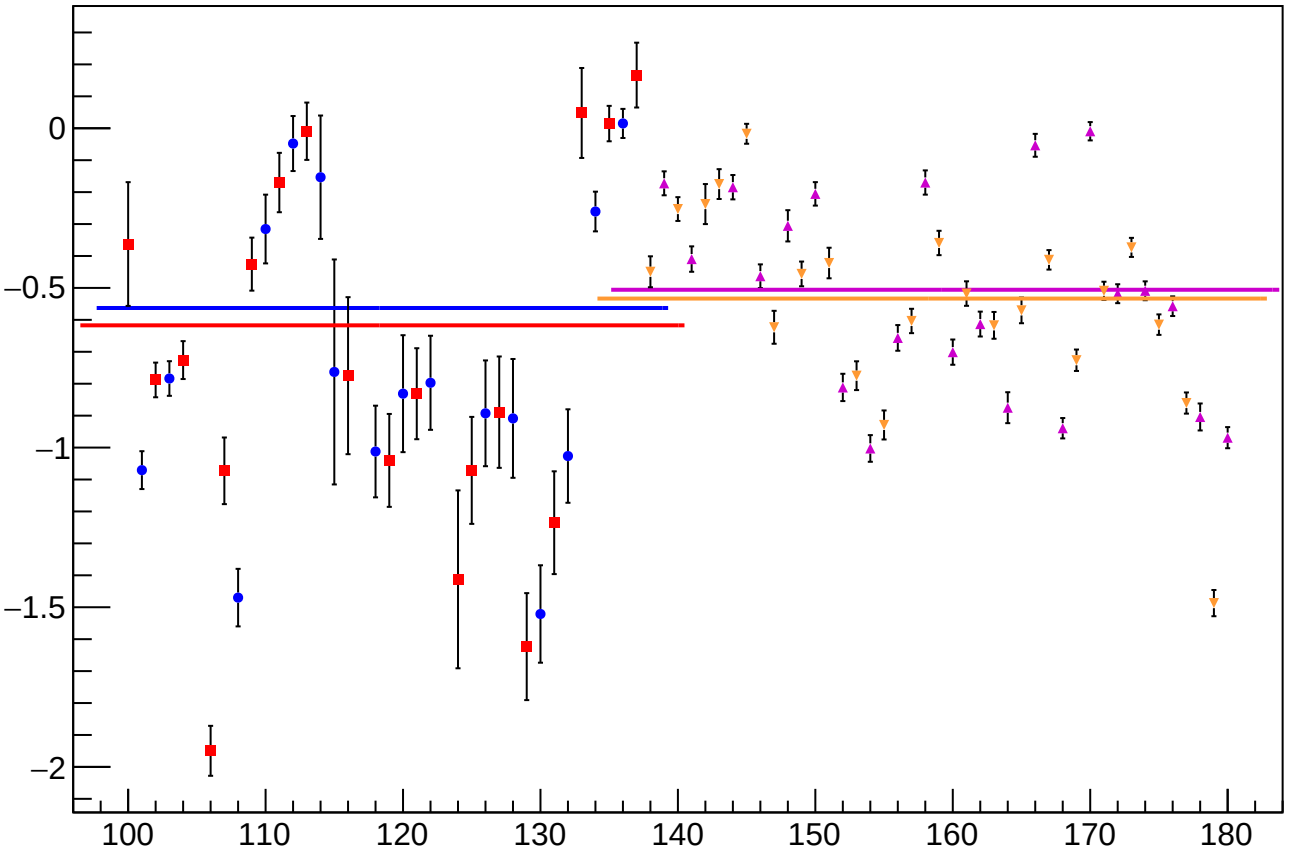
Left: 73.839+/-0.127 χ^2/NDF: 5714.9/42

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 73.123+/-0.165 χ^2/NDF:8618.3/36

Out: 74.378+/-0.166 χ^2/NDF:8562.7/40

All: 73.750+/-0.117 χ^2/NDF: 17209.7/77



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.533+/-0.008 χ^2/NDF:1282.2/21

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.506+/-0.008 χ^2/NDF:1547.7/20

Left: -0.519+/-0.006 χ^2/NDF: 2835.8/42

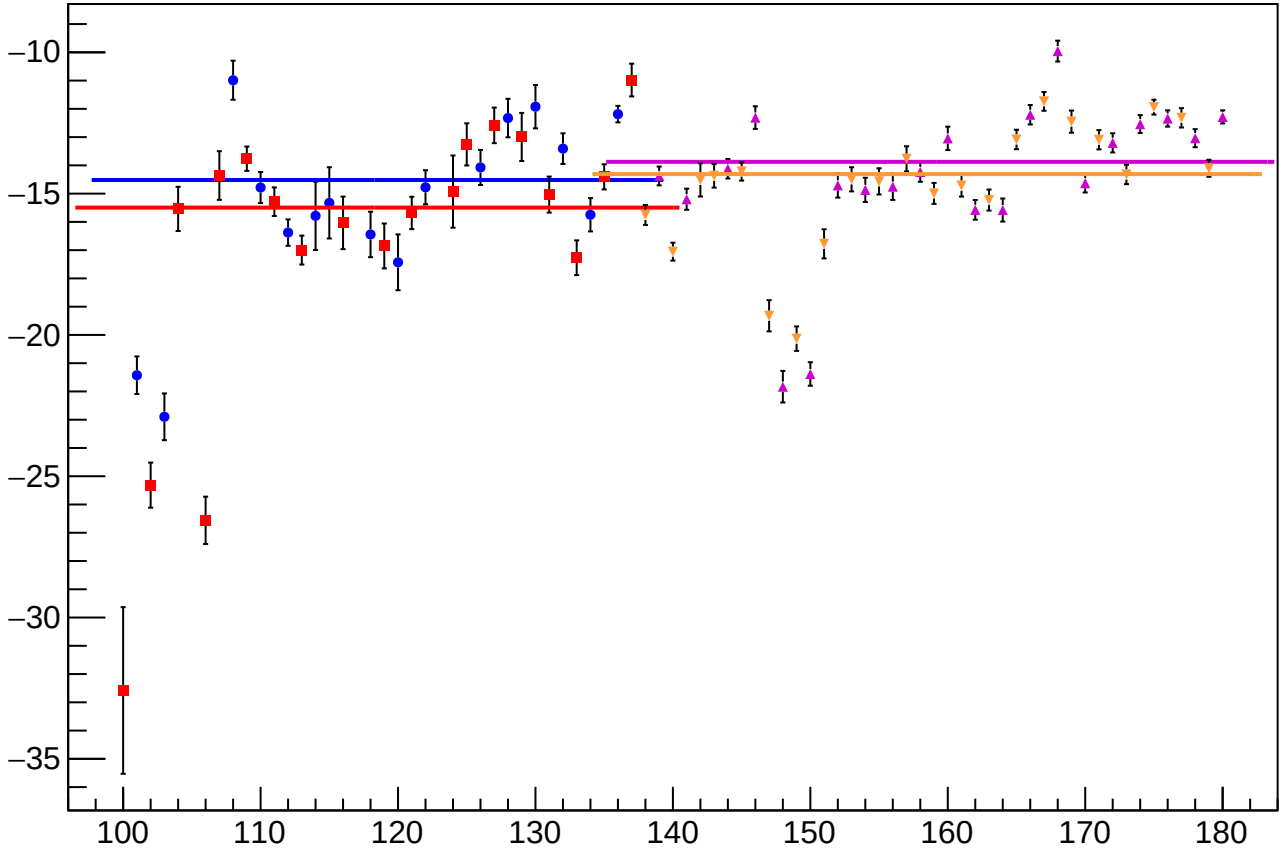
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.512+/-0.007 χ^2/NDF:2046.6/36

Out: -0.543+/-0.008 χ^2/NDF:1984.9/40

All: -0.527+/-0.005 χ^2/NDF: 4039.8/77

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.309+/-0.079 χ^2/NDF:613.0/21

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -13.875+/-0.077 χ^2/NDF:863.2/20

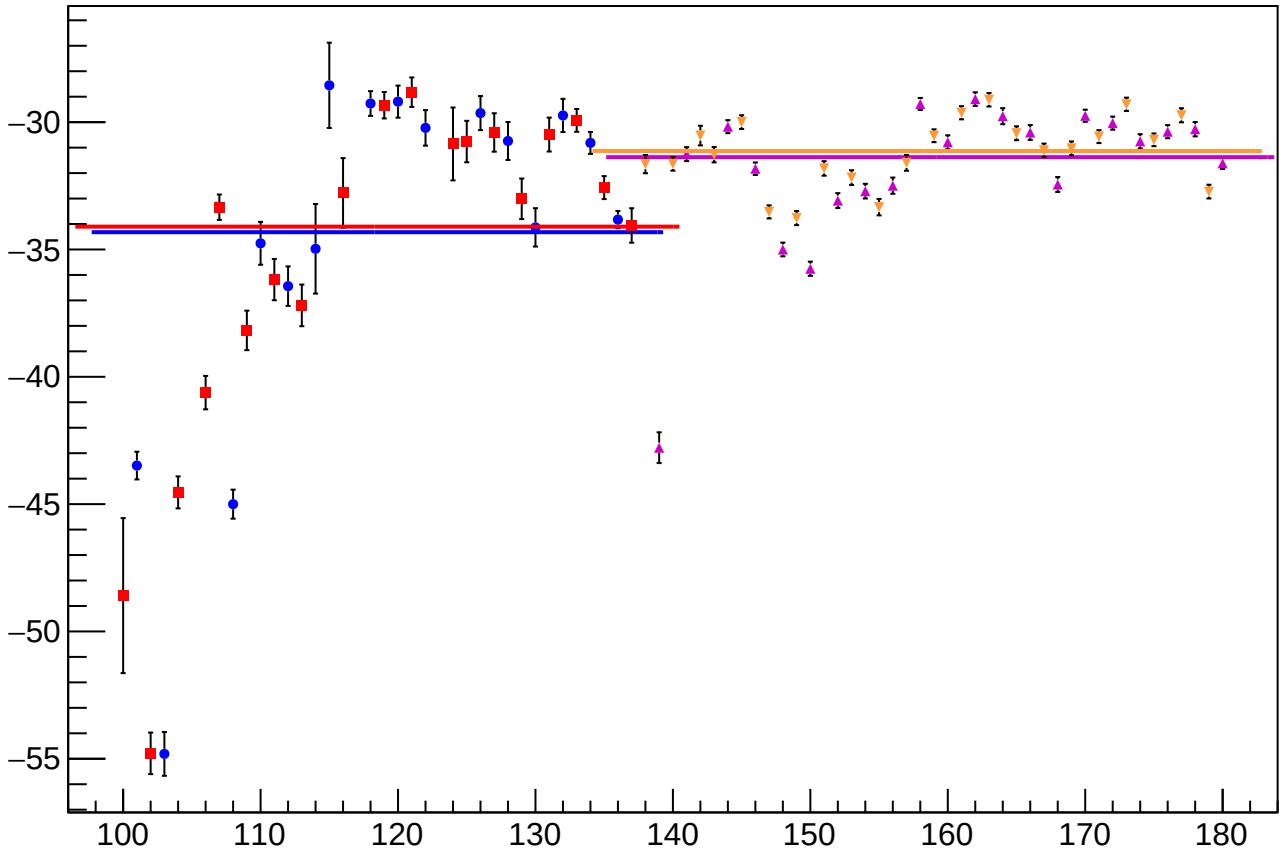
Left: -14.087+/-0.055 χ^2/NDF: 1491.7/42

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.011+/-0.069 χ^2/NDF:1241.2/36

Out: -14.567+/-0.070 χ^2/NDF:1165.7/40

All: -14.283+/-0.049 χ^2/NDF: 2439.1/77



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.132+/-0.059 χ^2/NDF:492.0/21

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.374+/-0.060 χ^2/NDF:1192.4/20

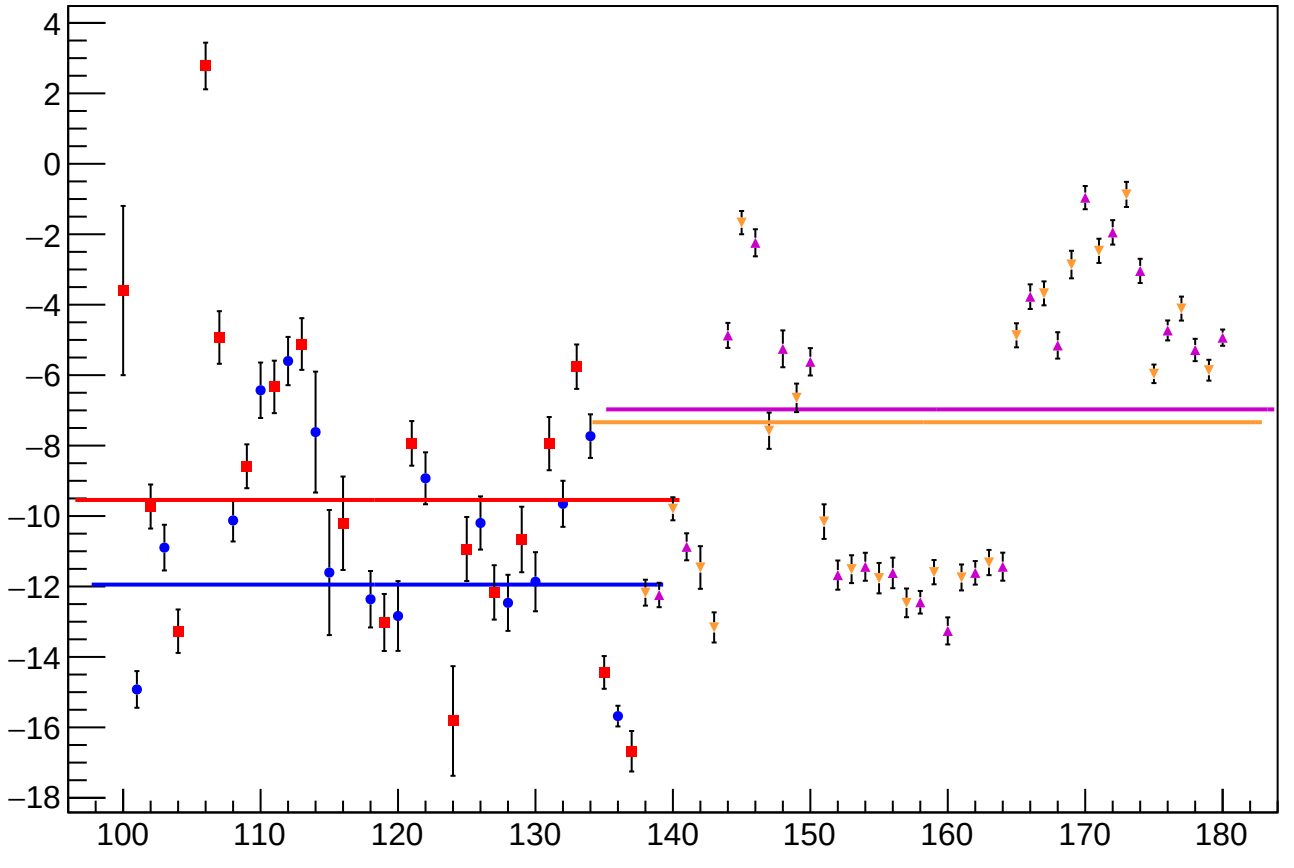
Left: -31.252+/-0.042 χ^2/NDF: 1692.6/42

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.764+/-0.056 χ^2/NDF:3133.6/36

Out: -31.515+/-0.055 χ^2/NDF:2250.6/40

All: -31.639+/-0.039 χ^2/NDF: 5394.2/77



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.337+/-0.078 χ^2/NDF:2556.5/21

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -6.972+/-0.076 χ^2/NDF:2740.4/20

Left: -7.150+/-0.055 χ^2/NDF: 5308.0/42

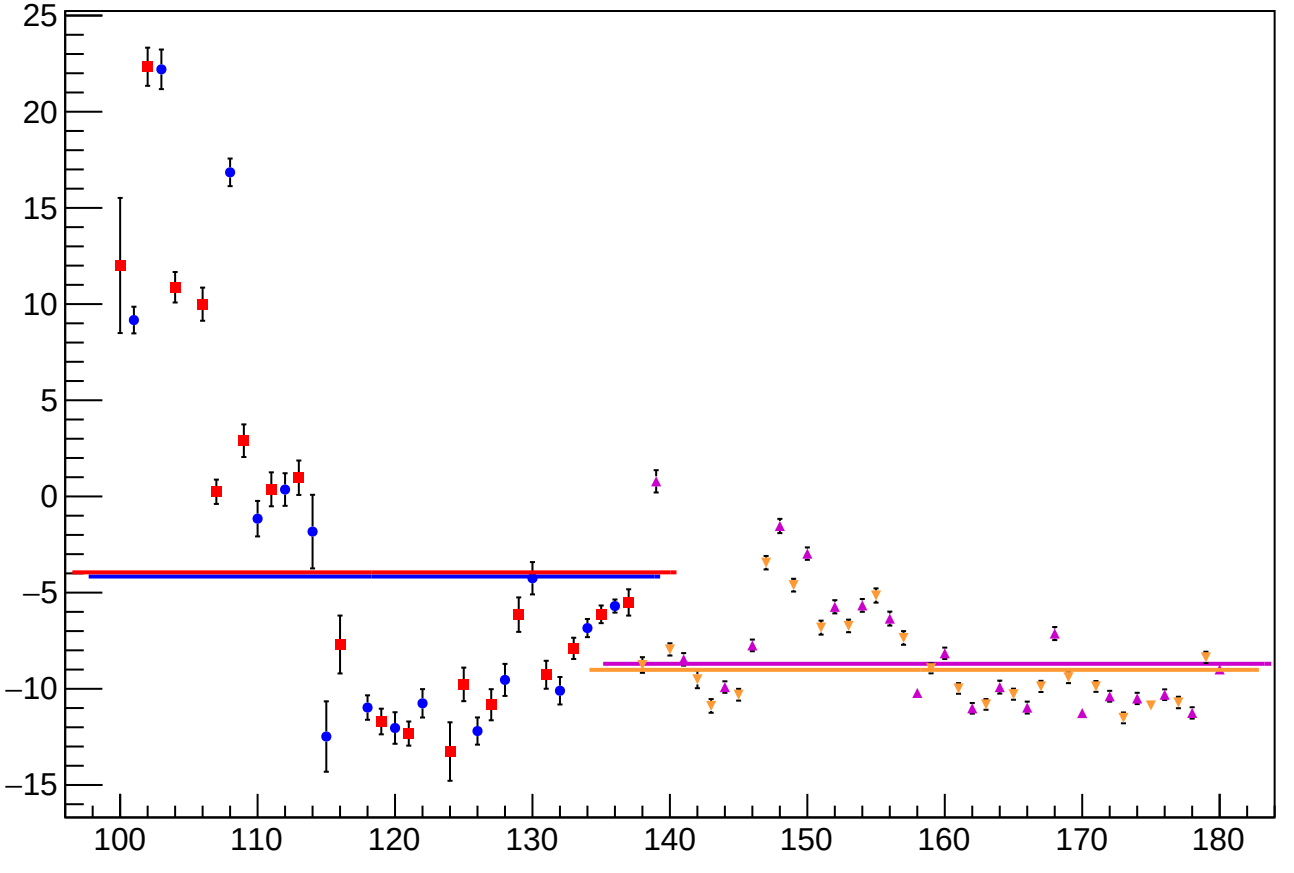
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -7.892+/-0.069 χ^2/NDF:3956.8/36

Out: -7.740+/-0.071 χ^2/NDF:3549.4/40

All: -7.818+/-0.049 χ^2/NDF: 7508.6/77

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.014+/-0.066 χ^2/NDF:960.4/21

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.699+/-0.066 χ^2/NDF:1661.8/20

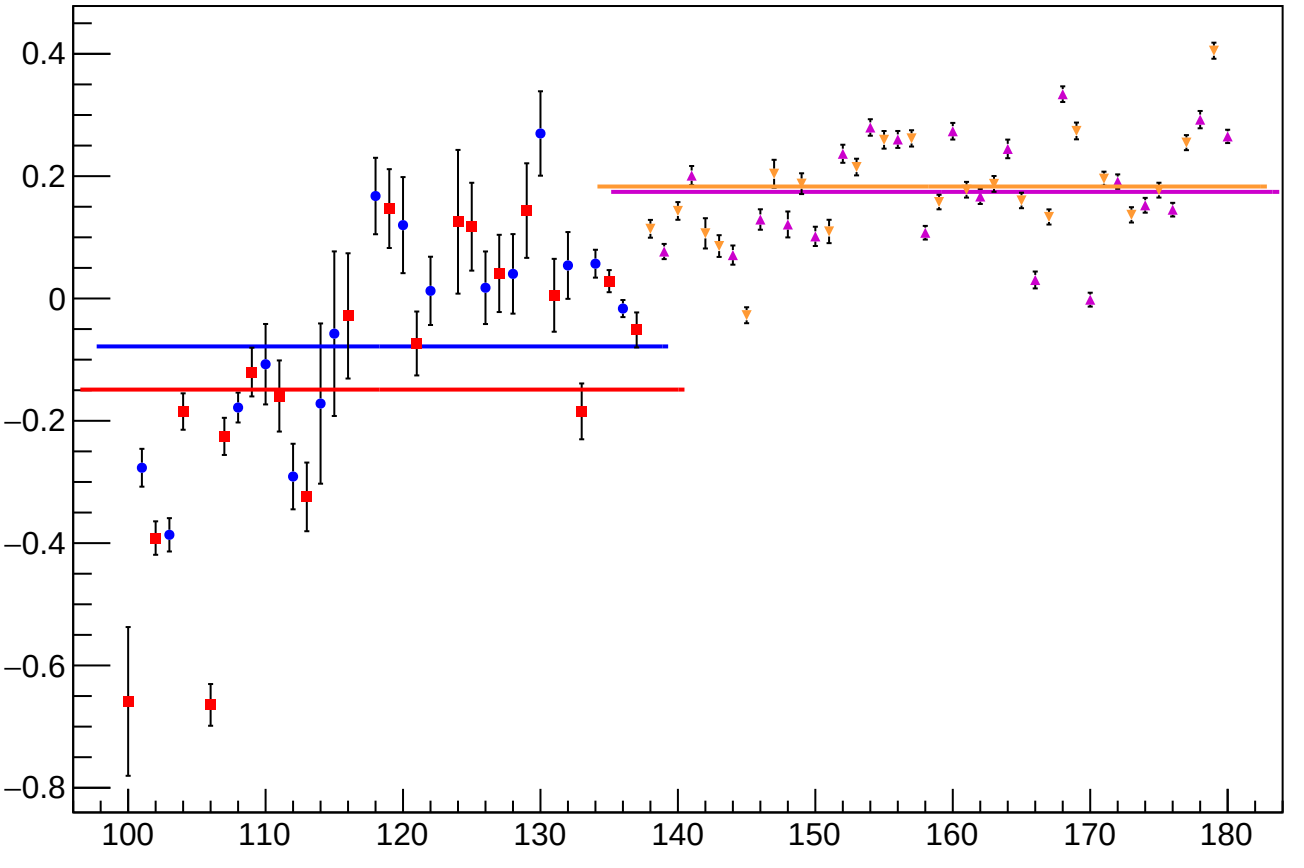
Left: -8.857+/-0.047 χ^2/NDF: 2633.4/42

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.110+/-0.062 χ^2/NDF:4792.5/36

Out: -8.382+/-0.062 χ^2/NDF:3795.9/40

All: -8.245+/-0.044 χ^2/NDF: 8597.9/77



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.183+/-0.003 χ^2/NDF:817.4/21

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.174+/-0.003 χ^2/NDF:1026.1/20

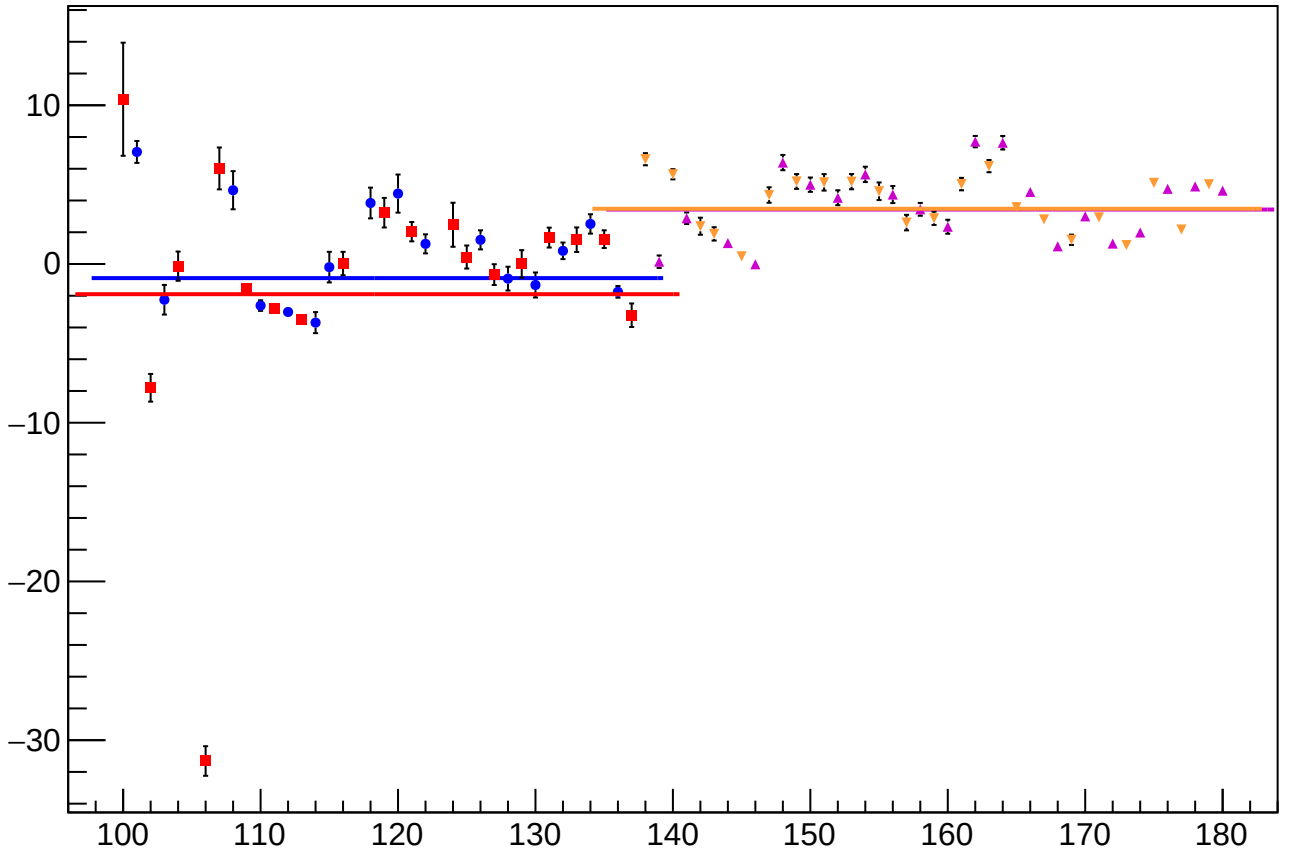
Left: 0.179+/-0.002 χ^2/NDF: 1848.0/42

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.148+/-0.003 χ^2/NDF:2124.7/36

Out: 0.151+/-0.003 χ^2/NDF:2552.7/40

All: 0.150+/-0.002 χ^2/NDF: 4677.9/77



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.481+/-0.072 χ^2/NDF:615.1/21

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.431+/-0.069 χ^2/NDF:856.5/20

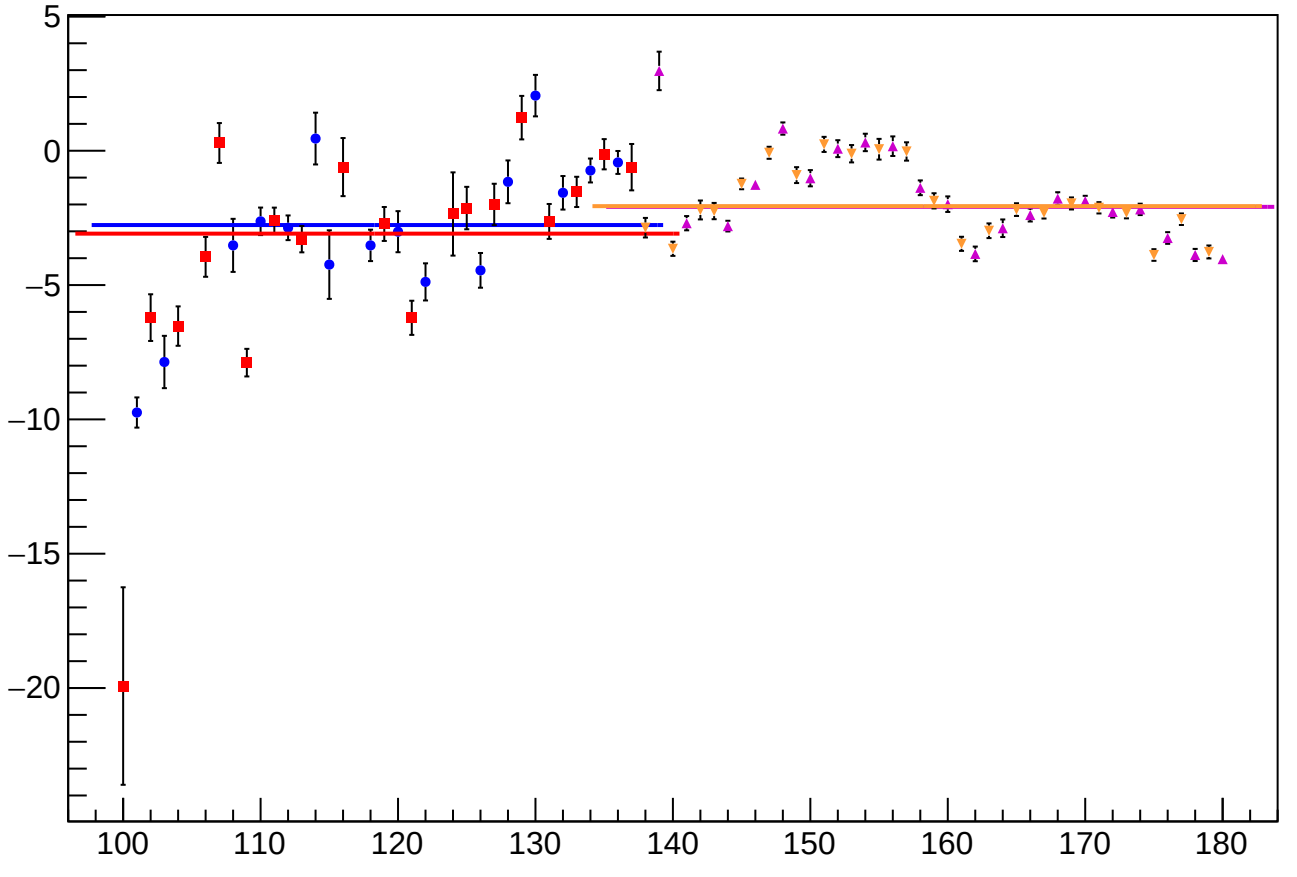
Left: 3.455+/-0.050 χ^2/NDF: 1471.8/42

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.550+/-0.062 χ^2/NDF:2032.9/36

Out: 2.183+/-0.063 χ^2/NDF:3282.1/40

All: 2.370+/-0.044 χ^2/NDF: 5332.3/77



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.063+/-0.054 χ^2/NDF:490.0/21

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -2.089+/-0.053 χ^2/NDF:667.8/20

Left: -2.076+/-0.038 χ^2/NDF: 1157.9/42

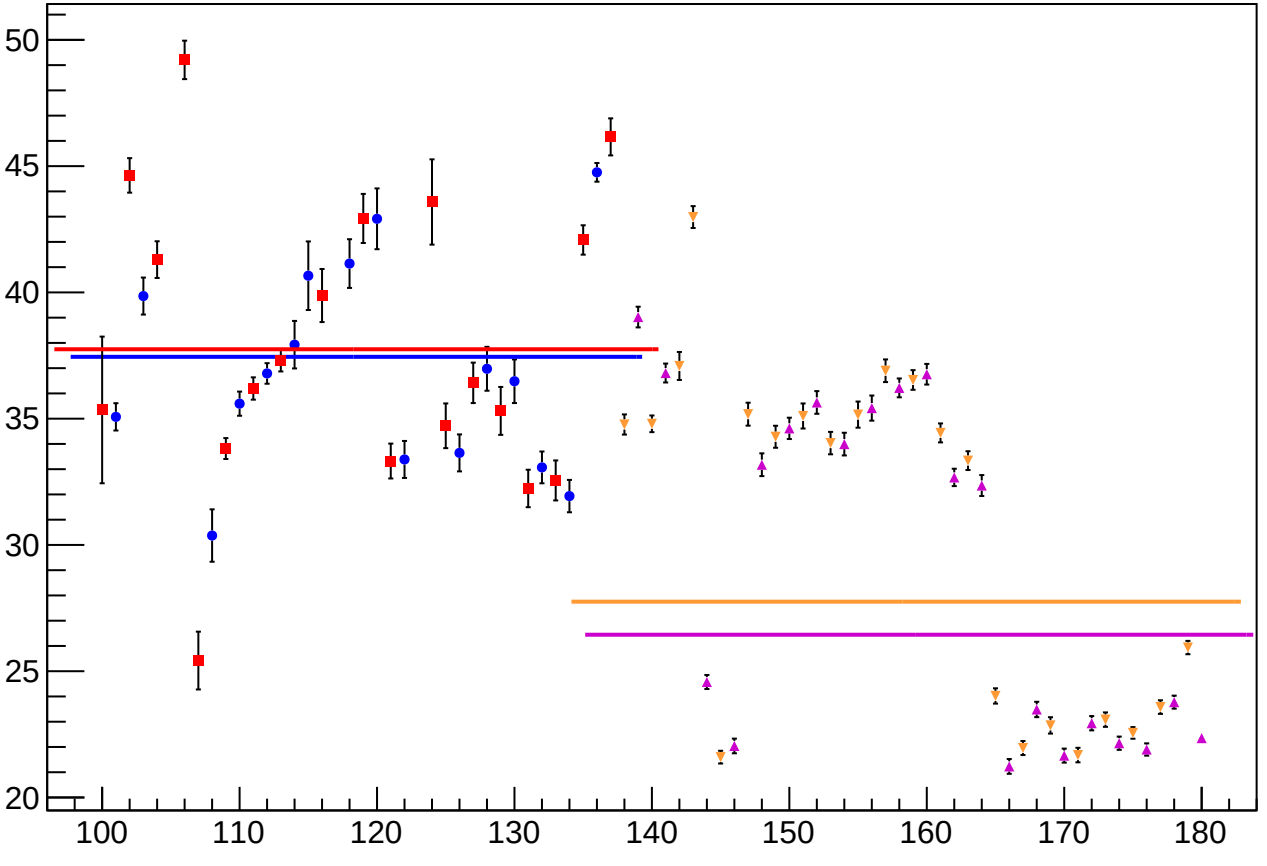
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.159+/-0.050 χ^2/NDF:994.7/36

Out: -2.171+/-0.051 χ^2/NDF:800.2/40

All: -2.165+/-0.036 χ^2/NDF: 1794.9/77

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: 27.754+/-0.072 χ^2/NDF:7788.4/21

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 26.445+/-0.069 χ^2/NDF:7505.9/20

Left: 27.070+/-0.050 χ^2/NDF: 15467.6/42

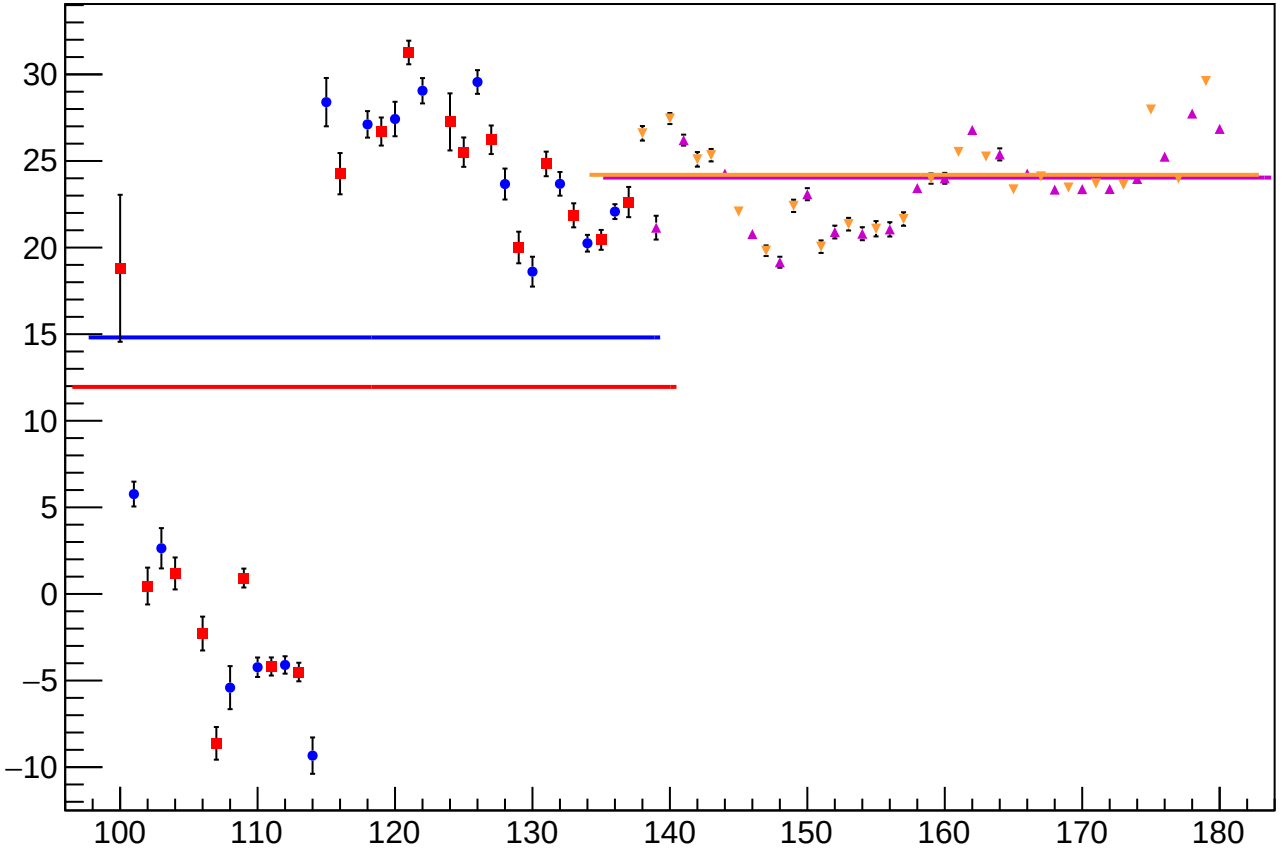
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 28.147+/-0.063 χ^2/NDF:12175.5/36

Out: 29.445+/-0.066 χ^2/NDF:12018.2/40

All: 28.772+/-0.046 χ^2/NDF: 24396.6/77

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.202+/-0.061 χ^2/NDF:1515.0/21

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.040+/-0.059 χ^2/NDF:1339.1/20

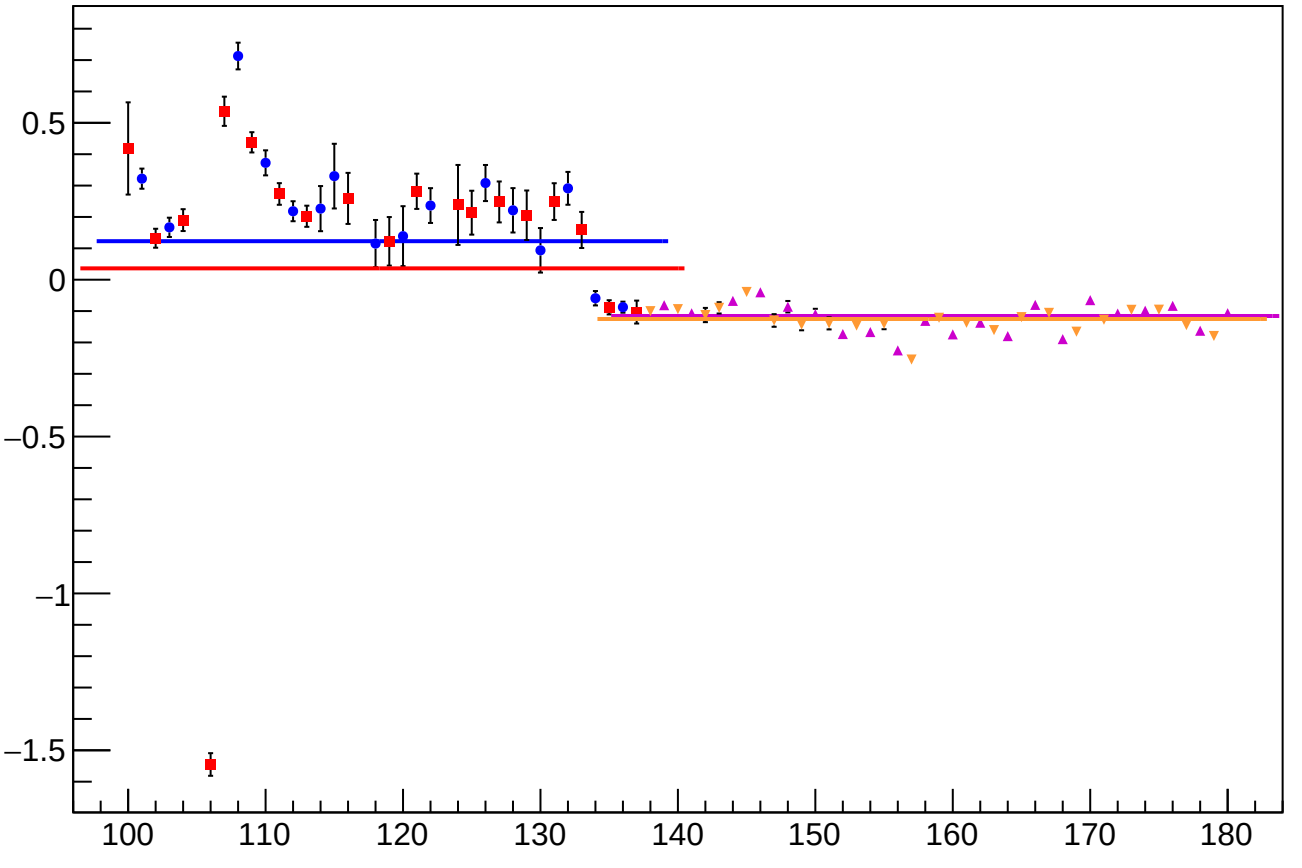
Left: 24.119+/-0.043 χ^2/NDF: 2857.6/42

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 23.074+/-0.056 χ^2/NDF:9547.3/36

Out: 22.901+/-0.058 χ^2/NDF:11907.8/40

All: 22.990+/-0.040 χ^2/NDF: 21459.8/77



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.125+/-0.003 χ^2/NDF:233.1/21

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.116+/-0.003 χ^2/NDF:290.0/20

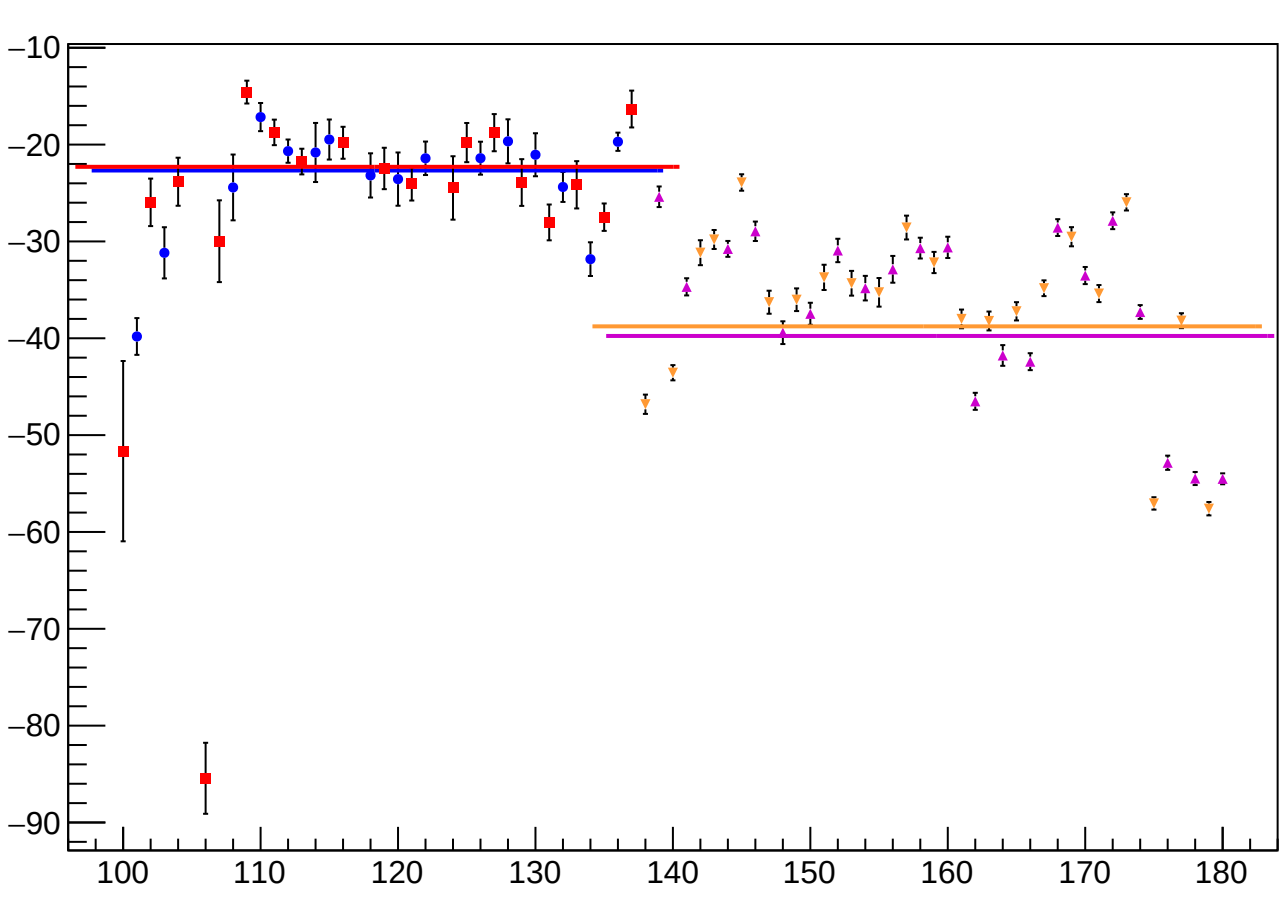
Left: -0.120+/-0.002 χ^2/NDF: 529.4/42

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.098+/-0.003 χ^2/NDF:1405.0/36

Out: -0.114+/-0.003 χ^2/NDF:2900.6/40

All: -0.106+/-0.002 χ^2/NDF: 4323.2/77



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -38.770+/-0.200 χ^2/NDF:2592.1/21

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -39.760+/-0.195 χ^2/NDF:2655.2/20

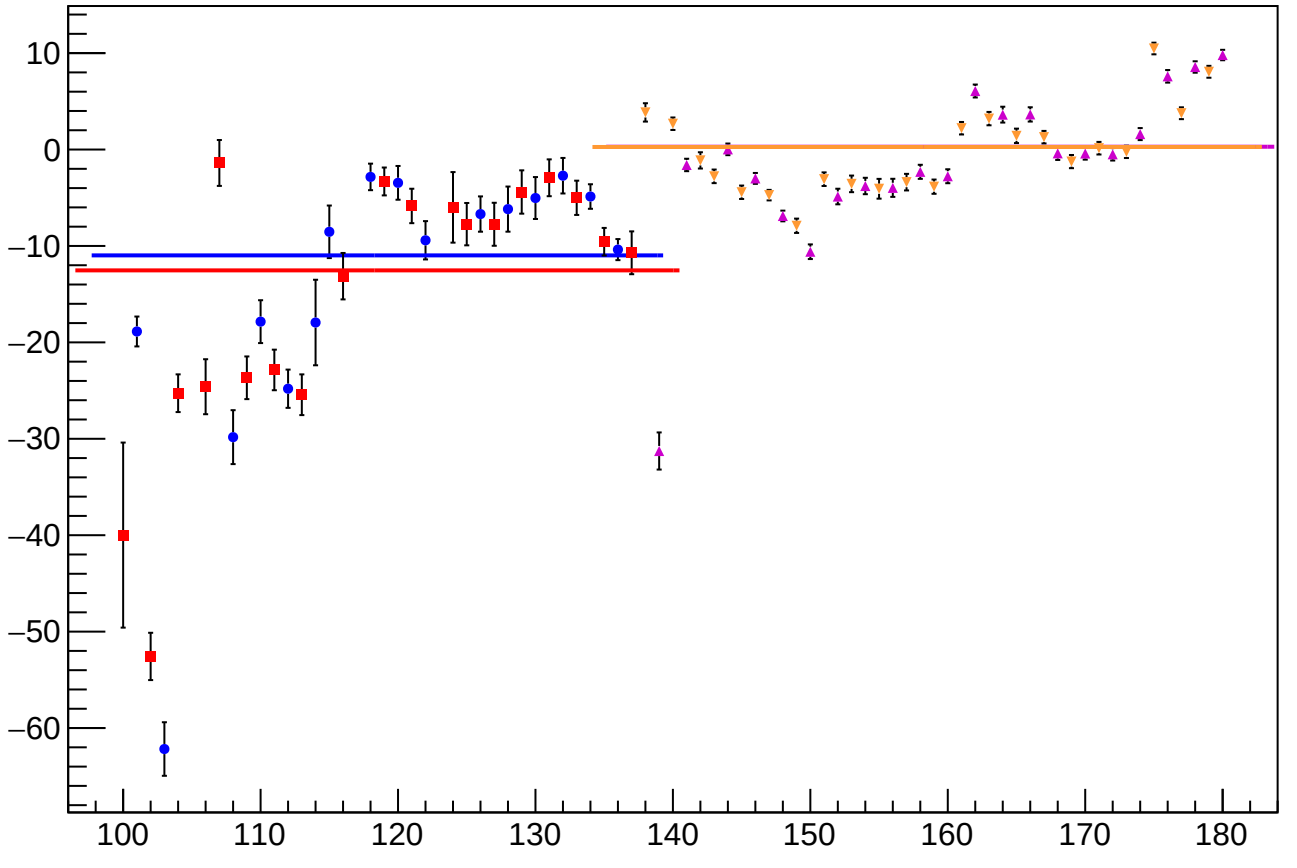
Left: -39.278+/-0.140 χ^2/NDF: 5259.9/42

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -36.891+/-0.178 χ^2/NDF:4096.0/36

Out: -35.890+/-0.182 χ^2/NDF:4180.3/40

All: -36.401+/-0.127 χ^2/NDF: 8291.7/77



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 0.265+/-0.149 χ^2/NDF:922.9/21

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: 0.291+/-0.149 χ^2/NDF:1546.4/20

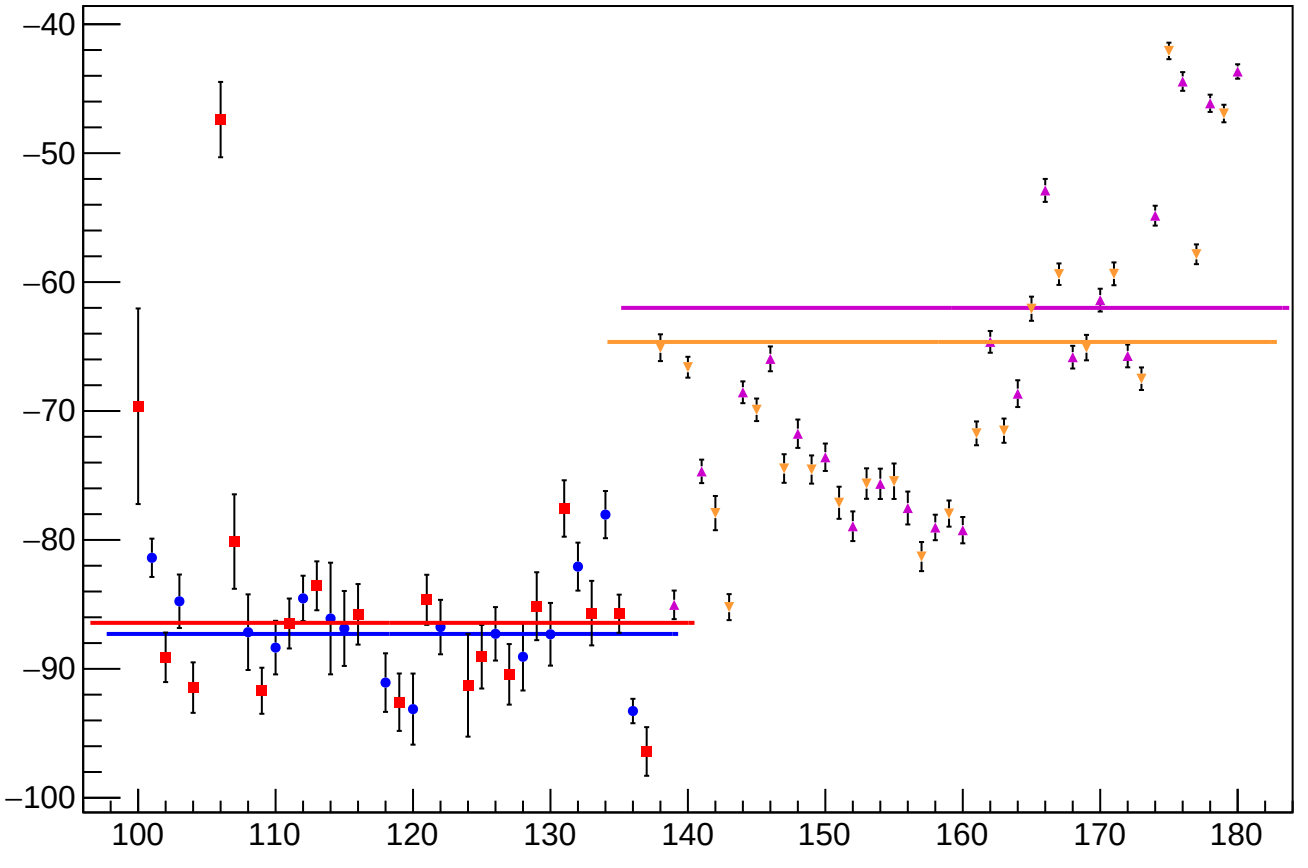
Left: 0.278+/-0.105 χ^2/NDF: 2469.3/42

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -0.809+/-0.142 χ^2/NDF:2691.3/36

Out: -0.852+/-0.142 χ^2/NDF:2141.1/40

All: -0.830+/-0.100 χ^2/NDF: 4832.4/77



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -64.643+/-0.198 χ^2/NDF:3564.4/21

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -62.001+/-0.193 χ^2/NDF:4479.2/20

Left: -63.289+/-0.139 χ^2/NDF: 8134.5/42

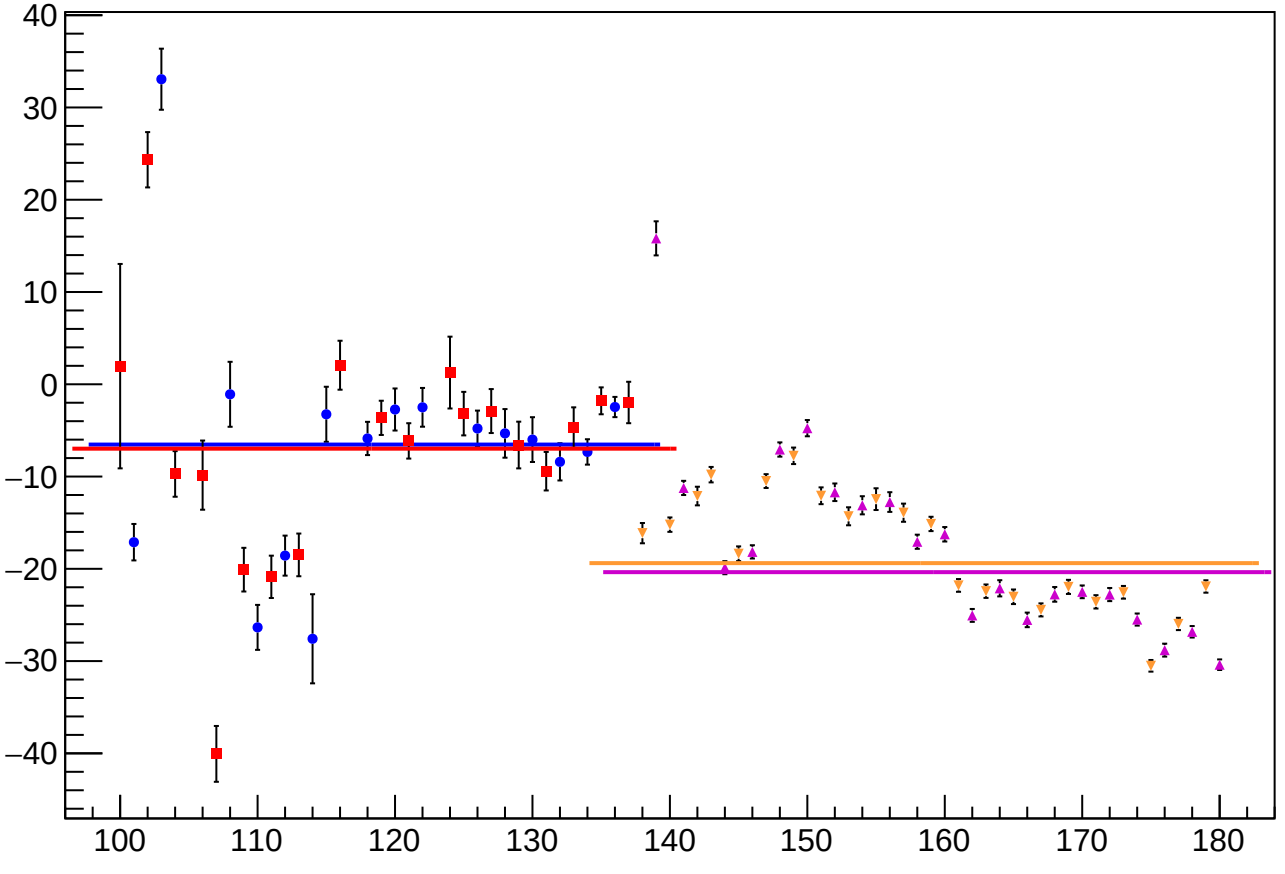
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -65.527+/-0.179 χ^2/NDF:6963.5/36

Out: -67.547+/-0.185 χ^2/NDF:5436.6/40

All: -66.508+/-0.129 χ^2/NDF: 12461.6/77

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -19.383+/-0.168 χ^2/NDF:1308.7/21

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -20.362+/-0.167 χ^2/NDF:2120.3/20

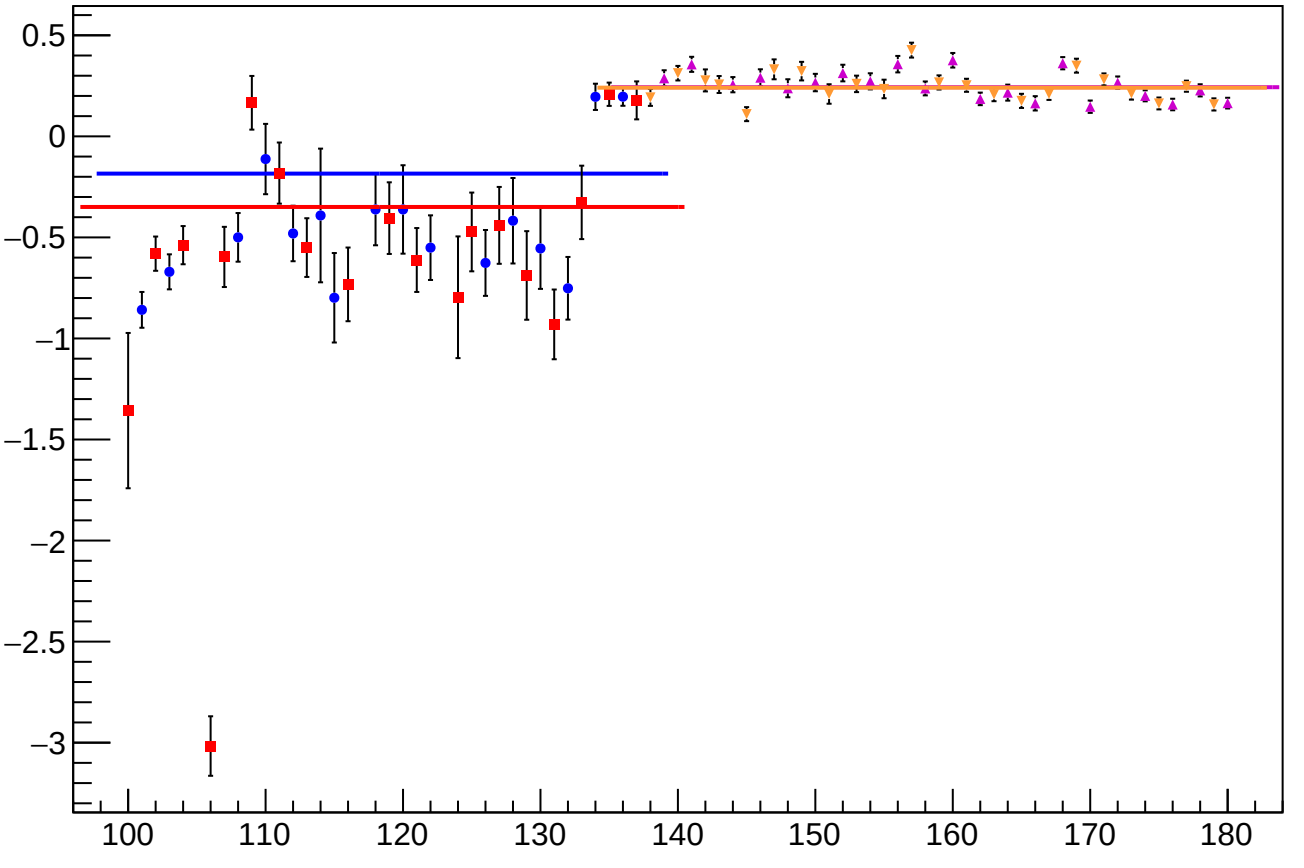
Left: -19.875+/-0.119 χ^2/NDF: 3446.1/42

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -19.010+/-0.159 χ^2/NDF:3102.9/36

Out: -18.294+/-0.161 χ^2/NDF:2155.3/40

All: -18.655+/-0.113 χ^2/NDF: 5268.3/77



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.008 χ^2/NDF:86.1/21

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.243+/-0.007 χ^2/NDF:92.4/20

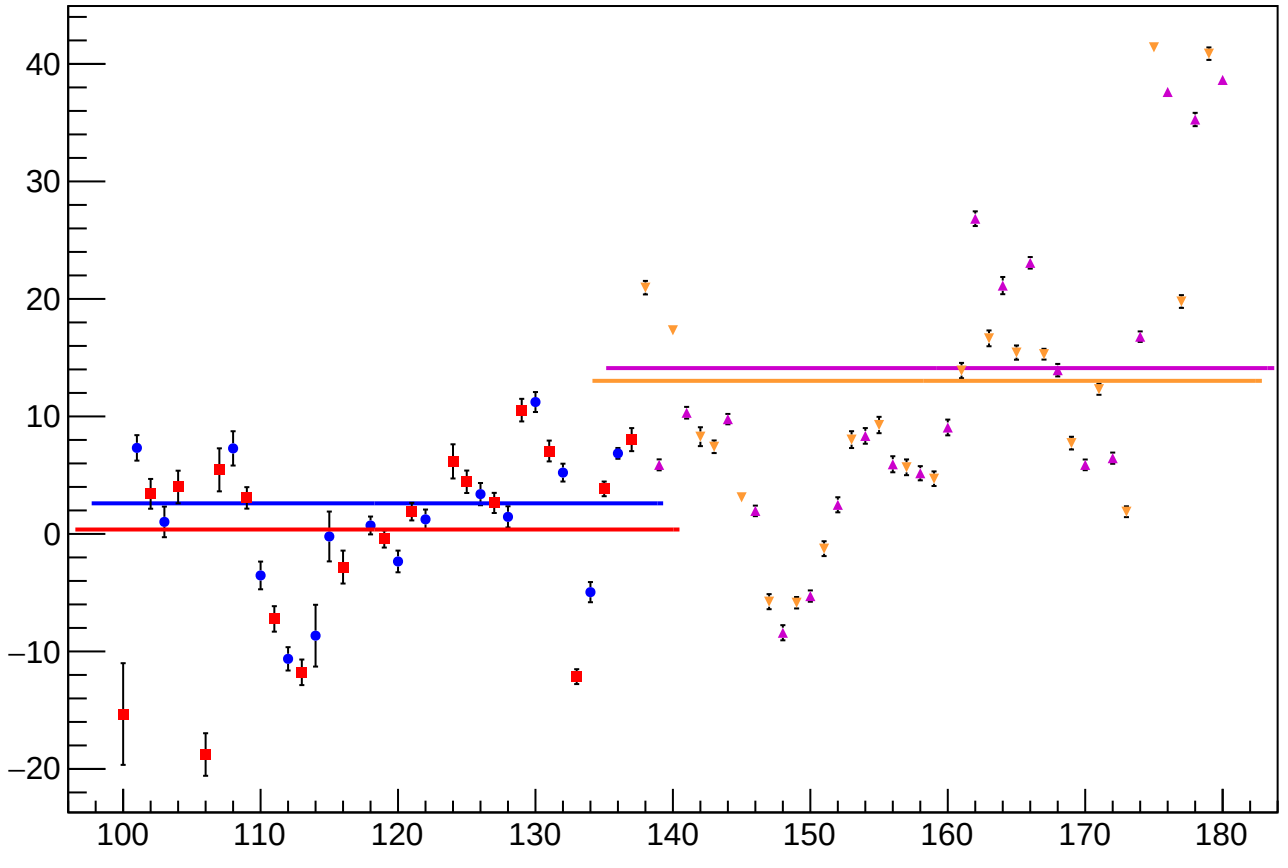
Left: 0.242+/-0.005 χ^2/NDF: 178.5/42

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.212+/-0.007 χ^2/NDF:576.4/36

Out: 0.204+/-0.007 χ^2/NDF:982.4/40

All: 0.208+/-0.005 χ^2/NDF: 1559.6/77



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 13.029+/-0.115 χ^2/NDF:13090.9/21

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 14.113+/-0.113 χ^2/NDF:14479.4/20

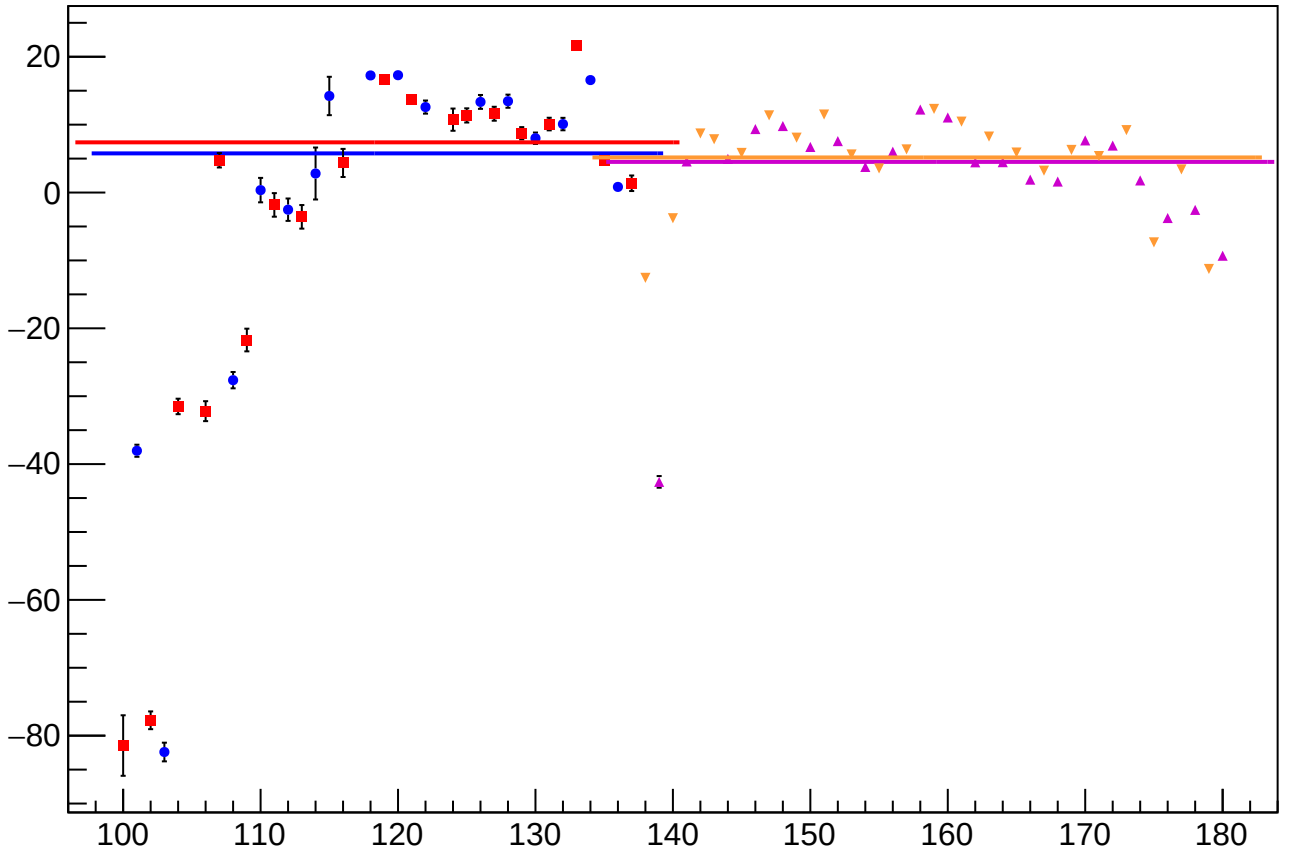
Left: 13.579+/-0.080 χ^2/NDF: 27615.7/42

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 11.782+/-0.101 χ^2/NDF:17155.9/36

Out: 10.372+/-0.102 χ^2/NDF:16682.2/40

All: 11.084+/-0.072 χ^2/NDF: 33934.8/77



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.170+/-0.084 χ^2/NDF:5512.7/21

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 4.514+/-0.085 χ^2/NDF:6514.1/20

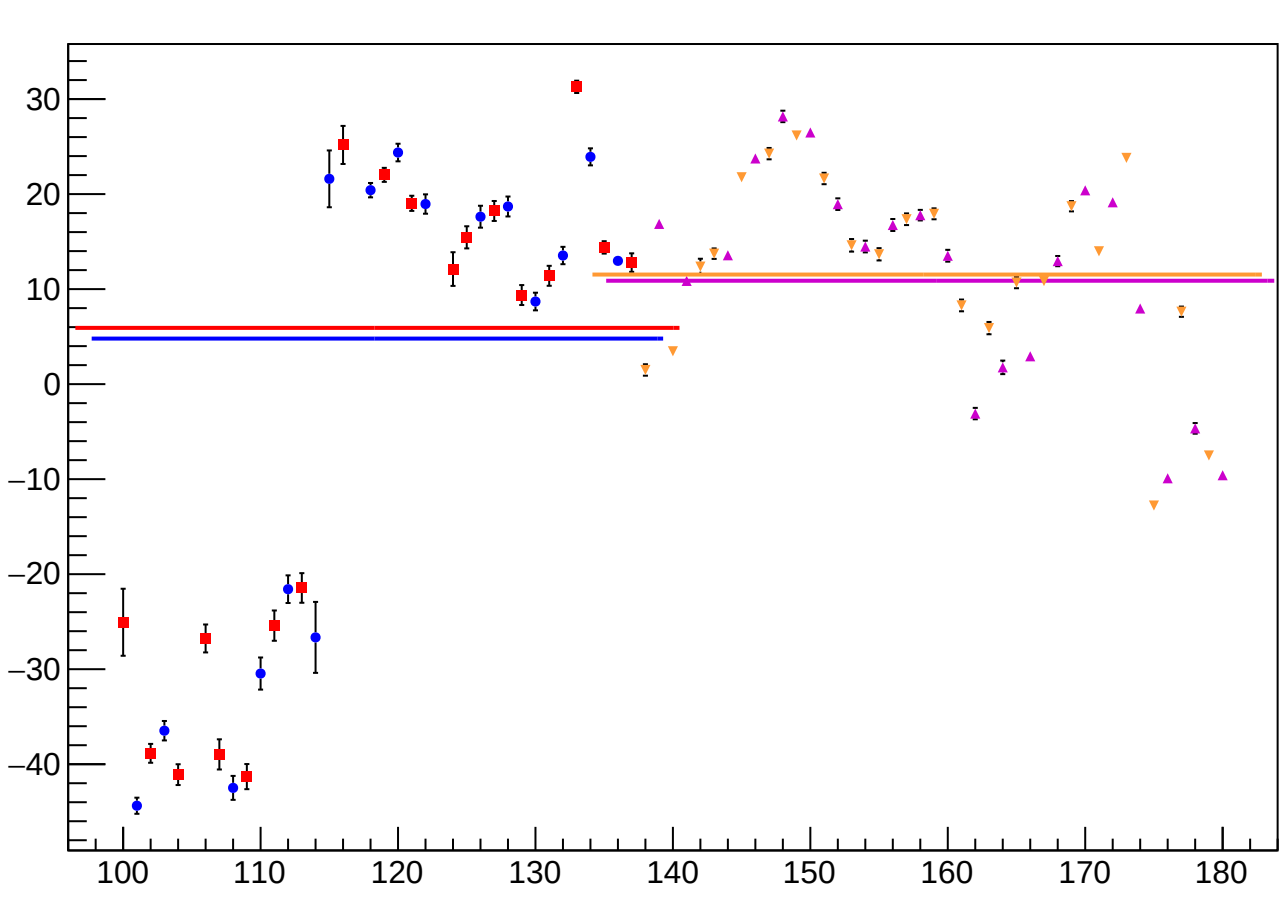
Left: 4.845+/-0.060 χ^2/NDF: 12056.6/42

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 4.692+/-0.079 χ^2/NDF:15478.6/36

Out: 5.482+/-0.078 χ^2/NDF:14000.8/40

All: 5.091+/-0.056 χ^2/NDF: 29529.8/77



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 11.533+/-0.113 χ^2/NDF:9430.7/21

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 10.881+/-0.112 χ^2/NDF:11120.0/20

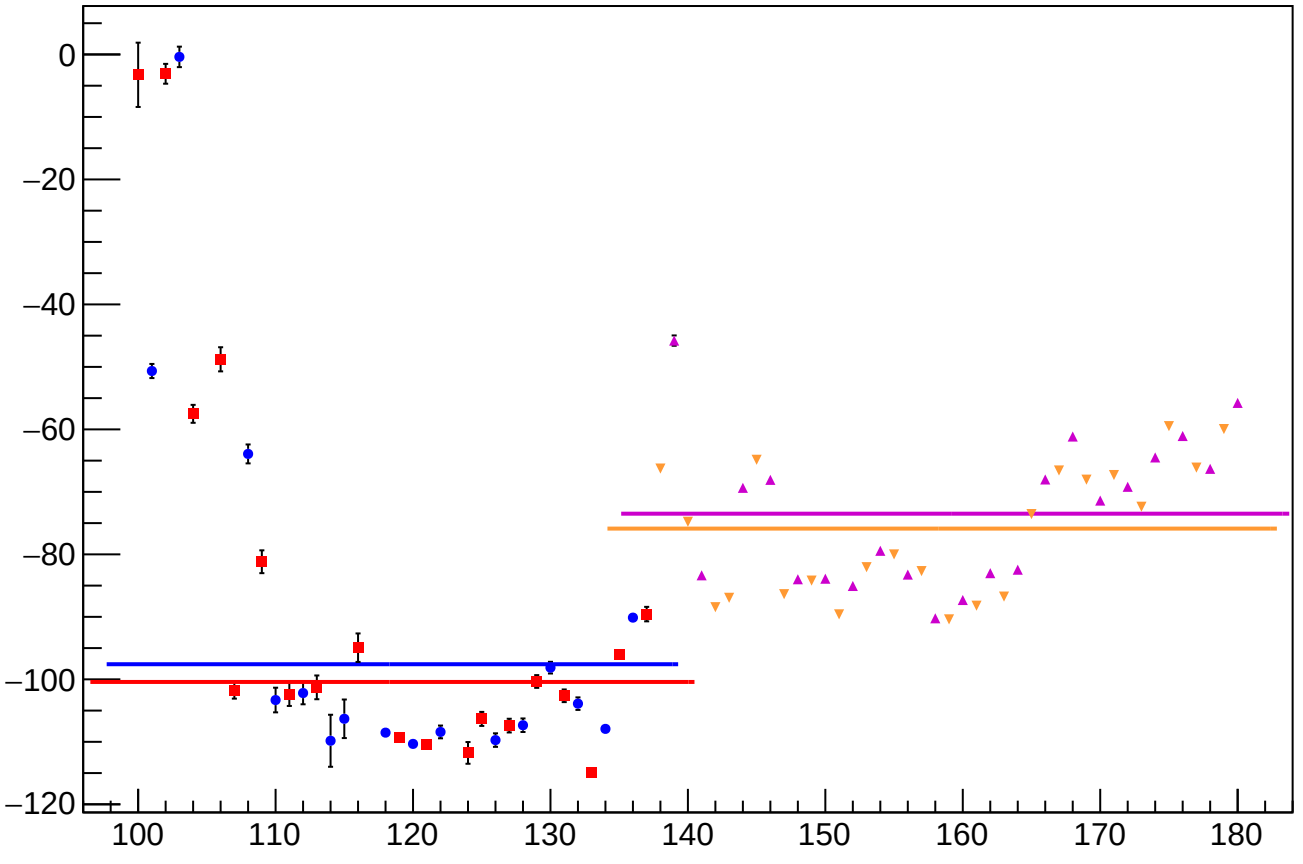
Left: 11.202+/-0.080 χ^2/NDF: 20567.4/42

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 9.778+/-0.101 χ^2/NDF:21155.2/36

Out: 10.508+/-0.103 χ^2/NDF:19937.3/40

All: 10.138+/-0.072 χ^2/NDF: 41118.2/77



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -75.877+/-0.096 χ^2/NDF:11309.2/21

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -73.491+/-0.096 χ^2/NDF:11691.7/20

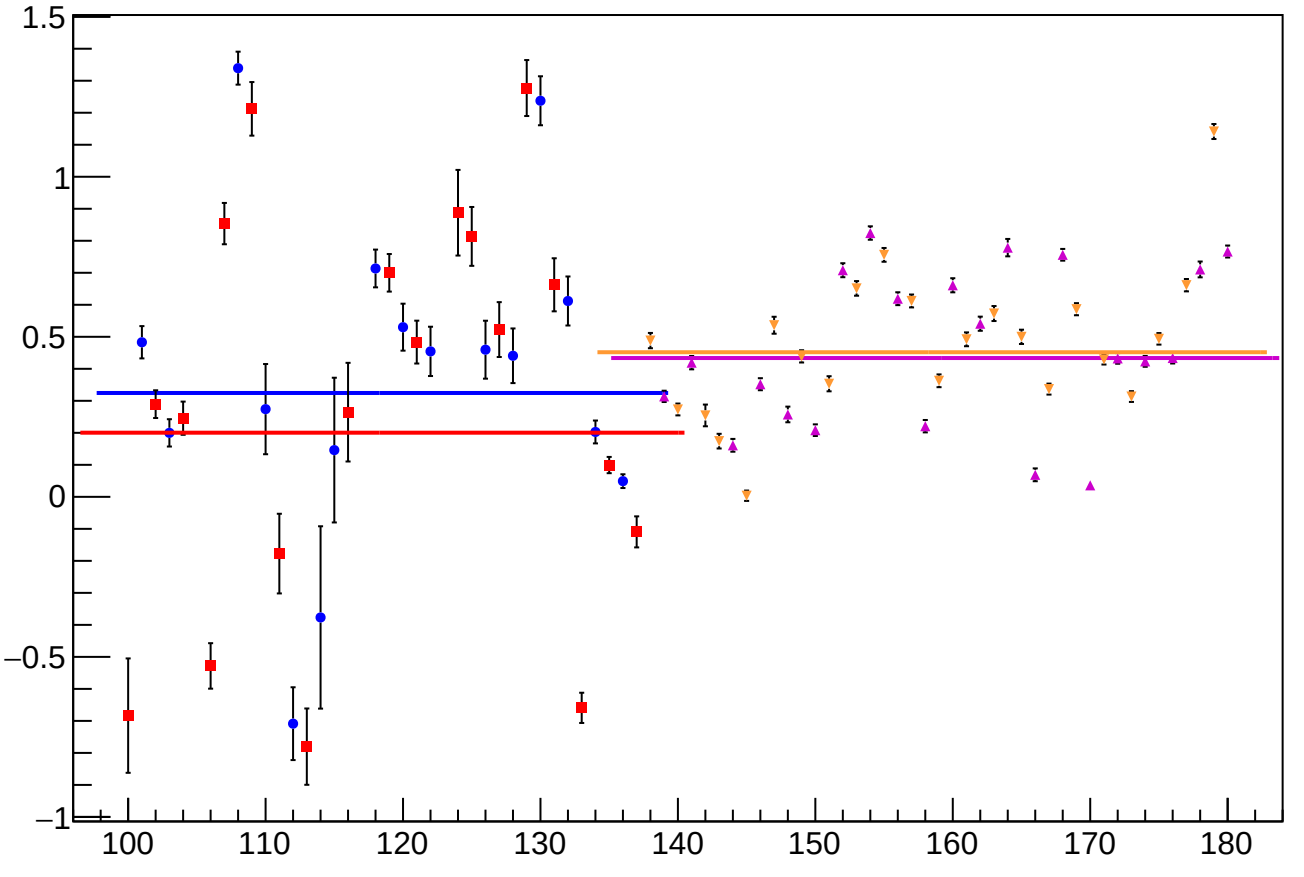
Left: -74.688+/-0.068 χ^2/NDF: 23307.8/42

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -76.802+/-0.090 χ^2/NDF:27405.3/36

Out: -79.244+/-0.089 χ^2/NDF:27373.3/40

All: -78.028+/-0.063 χ^2/NDF: 55151.5/77



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.452+/-0.004 χ^2/NDF:2619.3/21

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.434+/-0.004 χ^2/NDF:3181.3/20

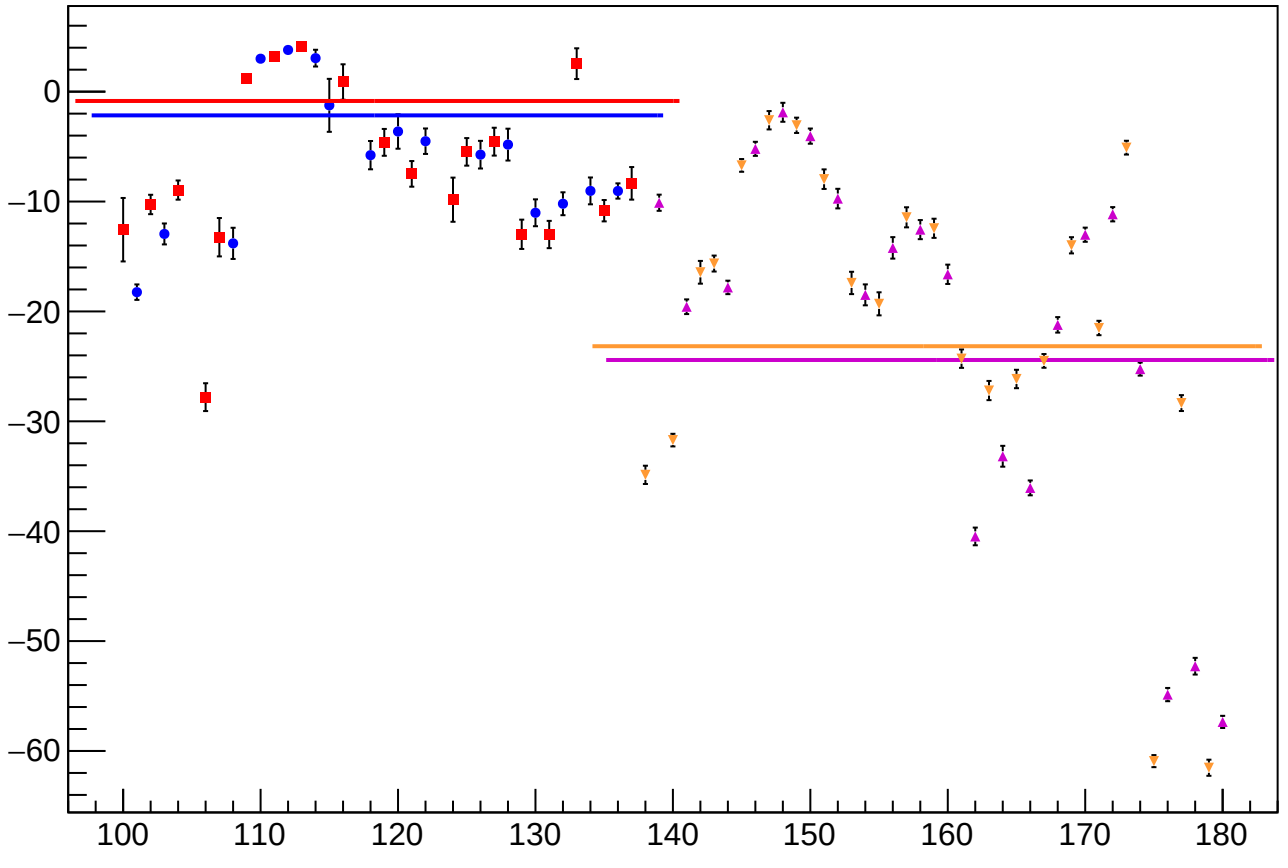
Left: 0.443+/-0.003 χ^2/NDF: 5809.4/42

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.423+/-0.004 χ^2/NDF:4129.0/36

Out: 0.429+/-0.004 χ^2/NDF:4125.9/40

All: 0.426+/-0.003 χ^2/NDF: 8255.9/77



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -23.166+/-0.158 χ^2/NDF:11986.6/21

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -24.419+/-0.157 χ^2/NDF:12631.3/20

Left: -23.800+/-0.111 χ^2/NDF: 24649.6/42

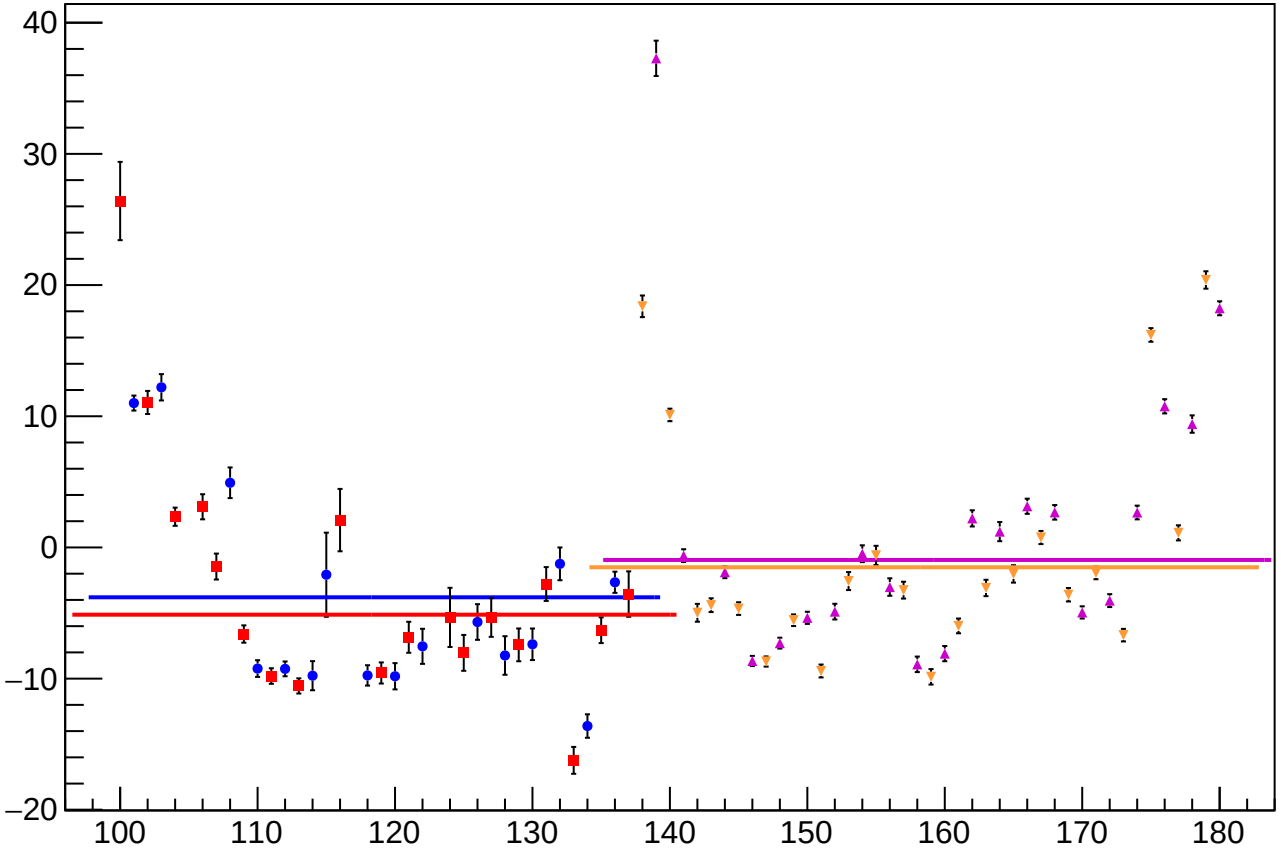
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -15.526+/-0.121 χ^2/NDF:22195.0/36

Out: -12.827+/-0.116 χ^2/NDF:22659.2/40

All: -14.115+/-0.084 χ^2/NDF: 45112.7/77

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: -1.511+/-0.116 χ^2/NDF:4659.6/21

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -0.954+/-0.118 χ^2/NDF:4209.5/20

Left: -1.236+/-0.083 χ^2/NDF: 8880.5/42

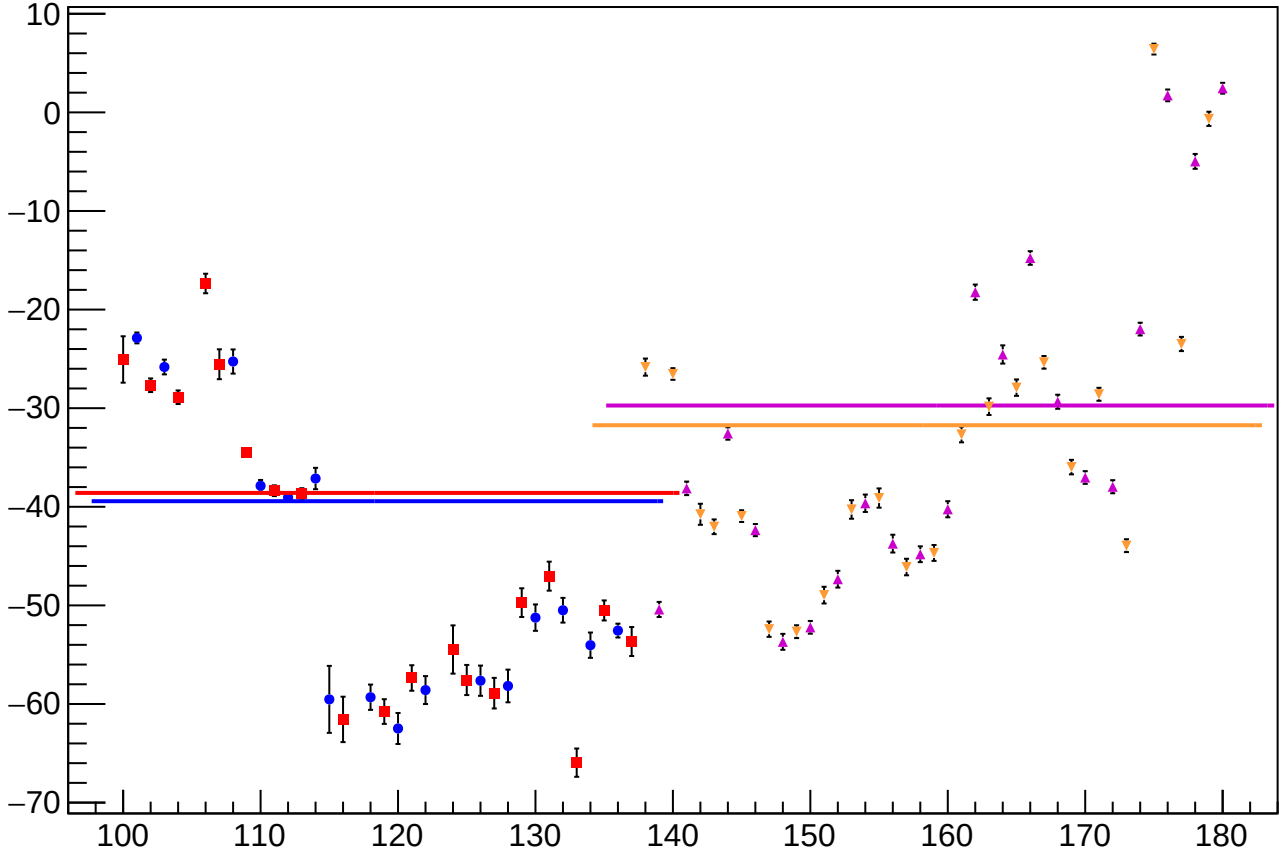
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -1.562+/-0.104 χ^2/NDF:5760.1/36

Out: -2.304+/-0.102 χ^2/NDF:5853.4/40

All: -1.939+/-0.073 χ^2/NDF: 11639.3/77

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -31.730+/-0.157 χ^2/NDF:10802.1/21

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -29.729+/-0.155 χ^2/NDF:13154.3/20

Left: -30.718+/-0.110 χ^2/NDF: 24038.8/42

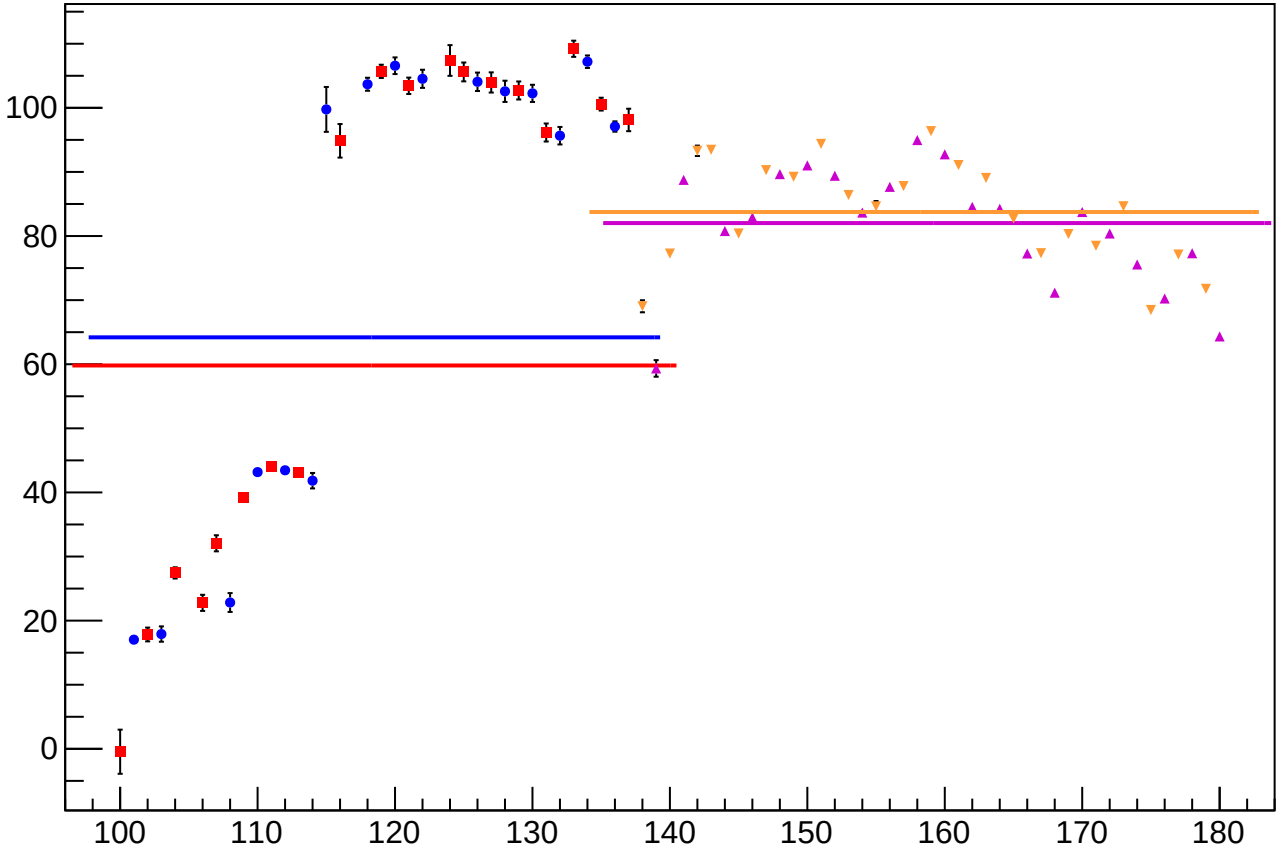
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -32.841+/-0.128 χ^2/NDF:17370.4/36

Out: -34.146+/-0.126 χ^2/NDF:14249.8/40

All: -33.501+/-0.090 χ^2/NDF: 31673.0/77

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 83.750+/-0.132 χ^2/NDF:3459.4/21

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.022+/-0.133 χ^2/NDF:3765.4/20

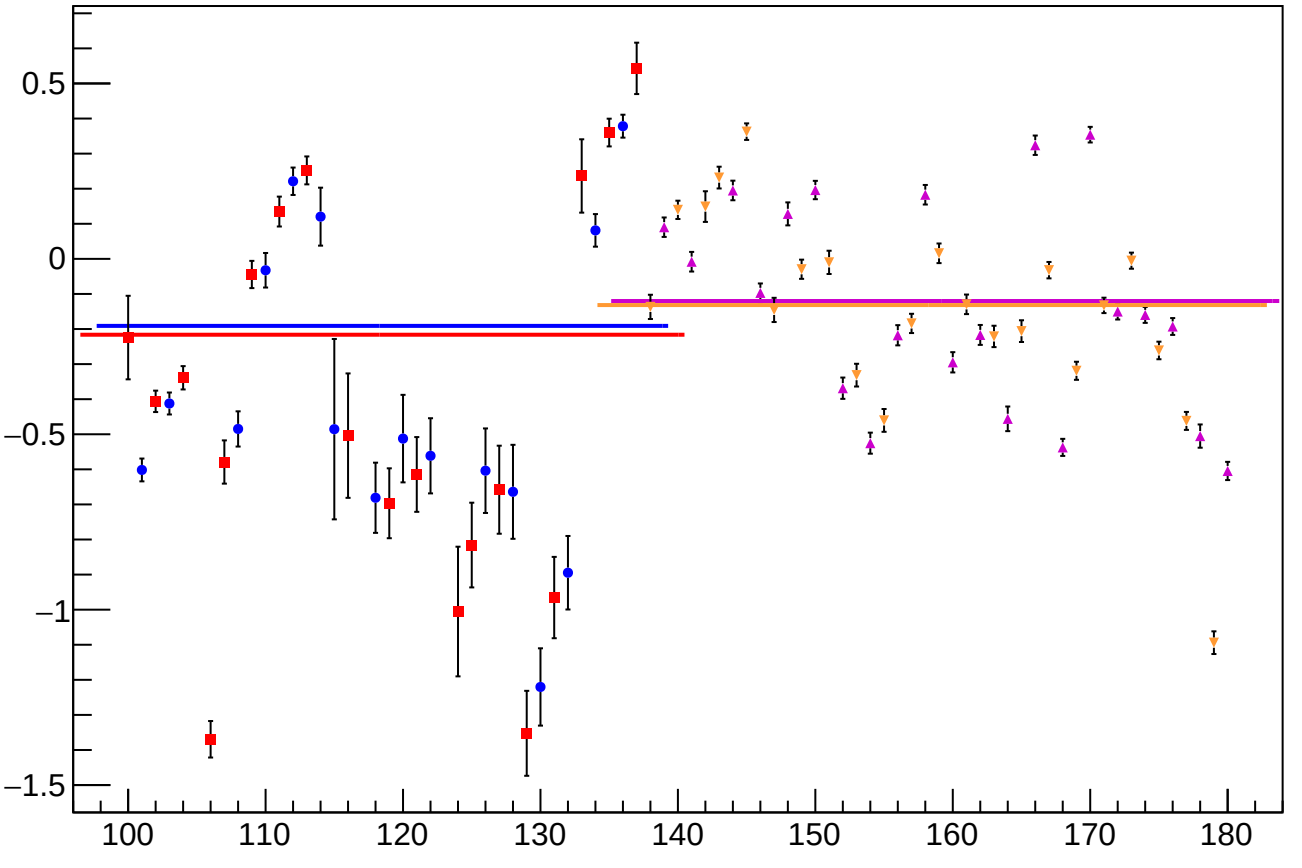
Left: 82.892+/-0.094 χ^2/NDF: 7309.8/42

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.271+/-0.118 χ^2/NDF:26145.9/36

Out: 78.482+/-0.117 χ^2/NDF:28118.8/40

All: 78.378+/-0.083 χ^2/NDF: 54266.3/77



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.132+/-0.006 χ^2/NDF:2120.8/21

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.120+/-0.006 χ^2/NDF:2426.6/20

Left: -0.126+/-0.004 χ^2/NDF: 4549.2/42

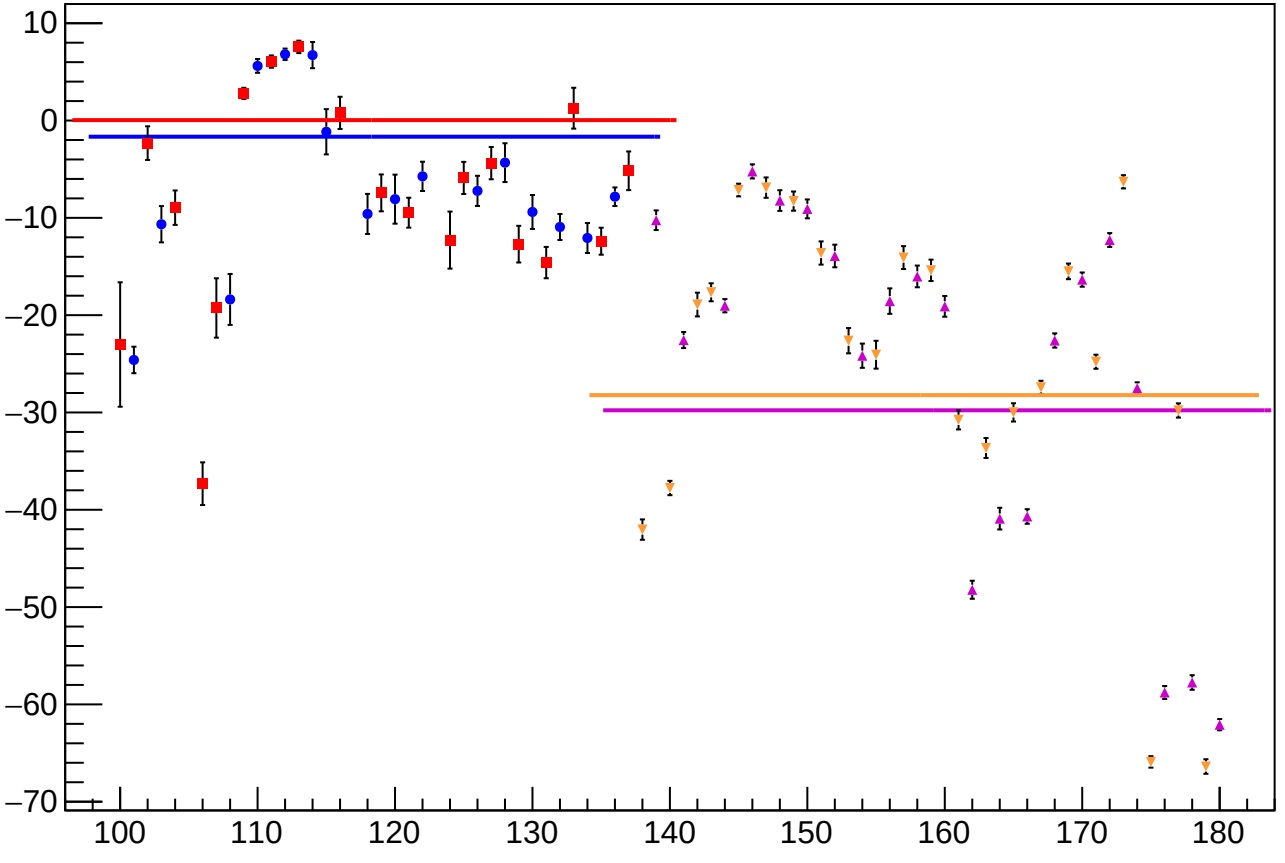
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.132+/-0.005 χ^2/NDF:3368.2/36

Out: -0.147+/-0.005 χ^2/NDF:3524.1/40

All: -0.139+/-0.004 χ^2/NDF: 6896.1/77

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: -28.219+/-0.184 χ^2/NDF:10896.1/21

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -29.778+/-0.179 χ^2/NDF:11402.9/20

Left: -29.019+/-0.128 χ^2/NDF: 22336.0/42

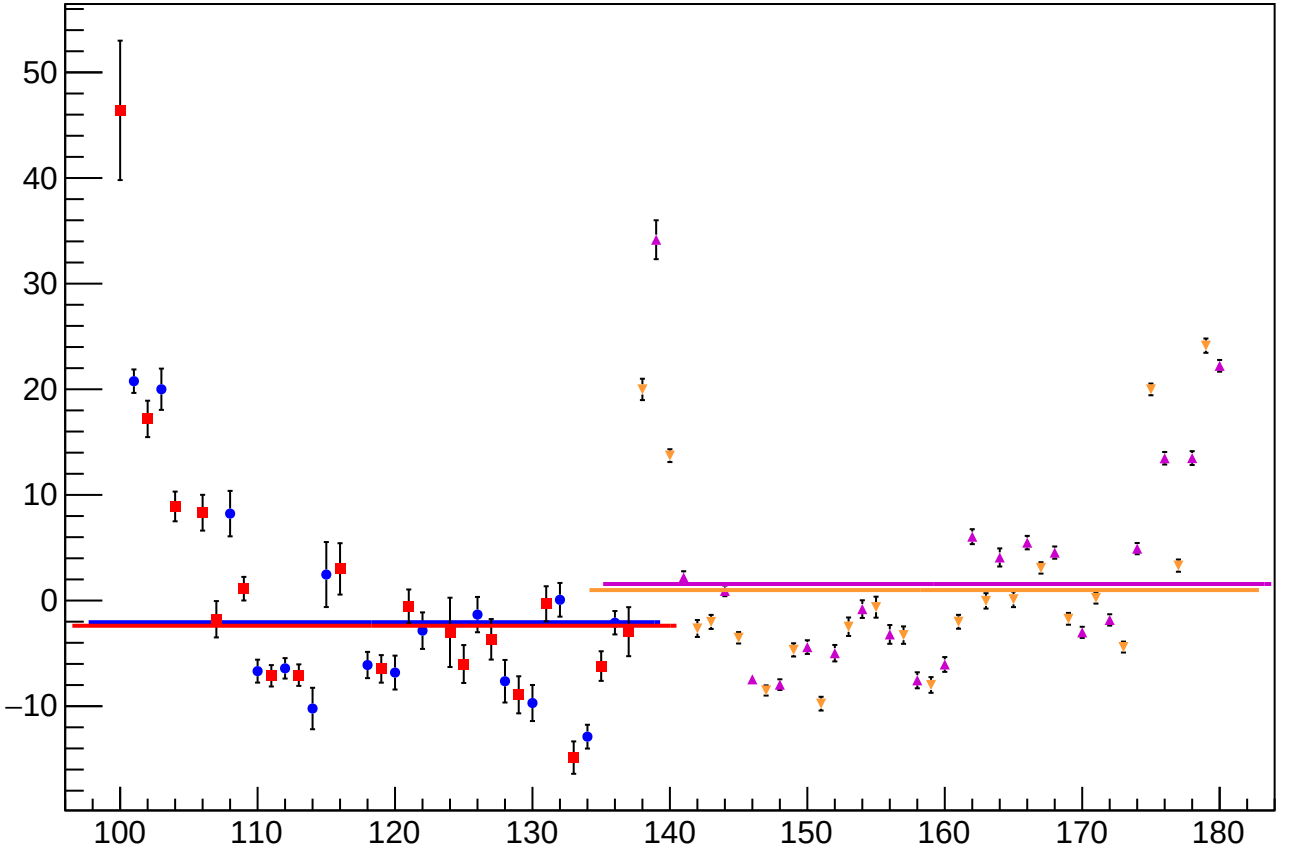
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -22.690+/-0.155 χ^2/NDF:18533.3/36

Out: -19.801+/-0.154 χ^2/NDF:18883.6/40

All: -21.238+/-0.109 χ^2/NDF: 37592.3/77

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.990+/-0.136 χ^2/NDF:4363.2/21

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 1.566+/-0.135 χ^2/NDF:3947.8/20

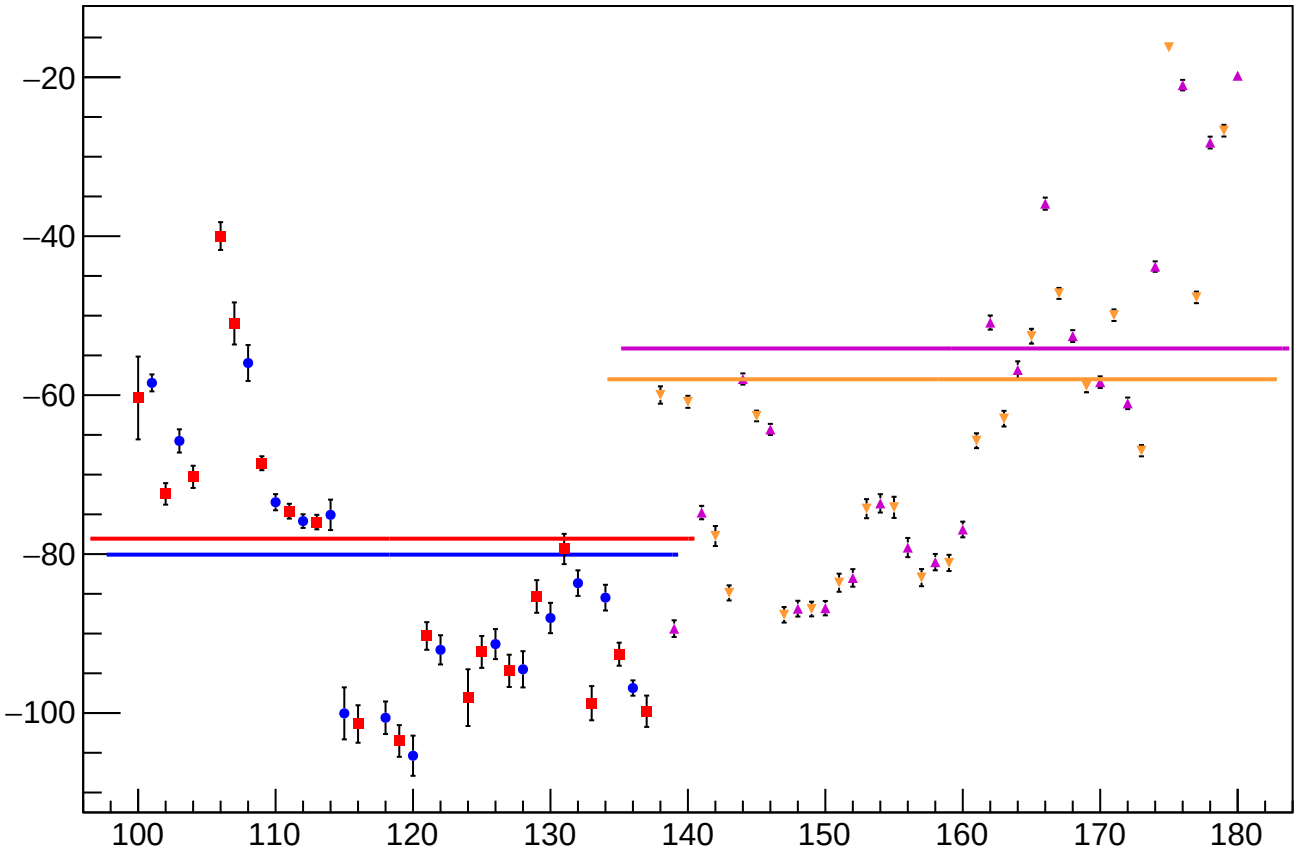
Left: 1.280+/-0.096 χ^2/NDF: 8319.9/42

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: 1.110+/-0.126 χ^2/NDF:4809.8/36

Out: 0.558+/-0.127 χ^2/NDF:4892.8/40

All: 0.835+/-0.090 χ^2/NDF: 9712.0/77



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -58.002+/-0.182 χ^2/NDF:12580.2/21

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -54.129+/-0.178 χ^2/NDF:15232.1/20

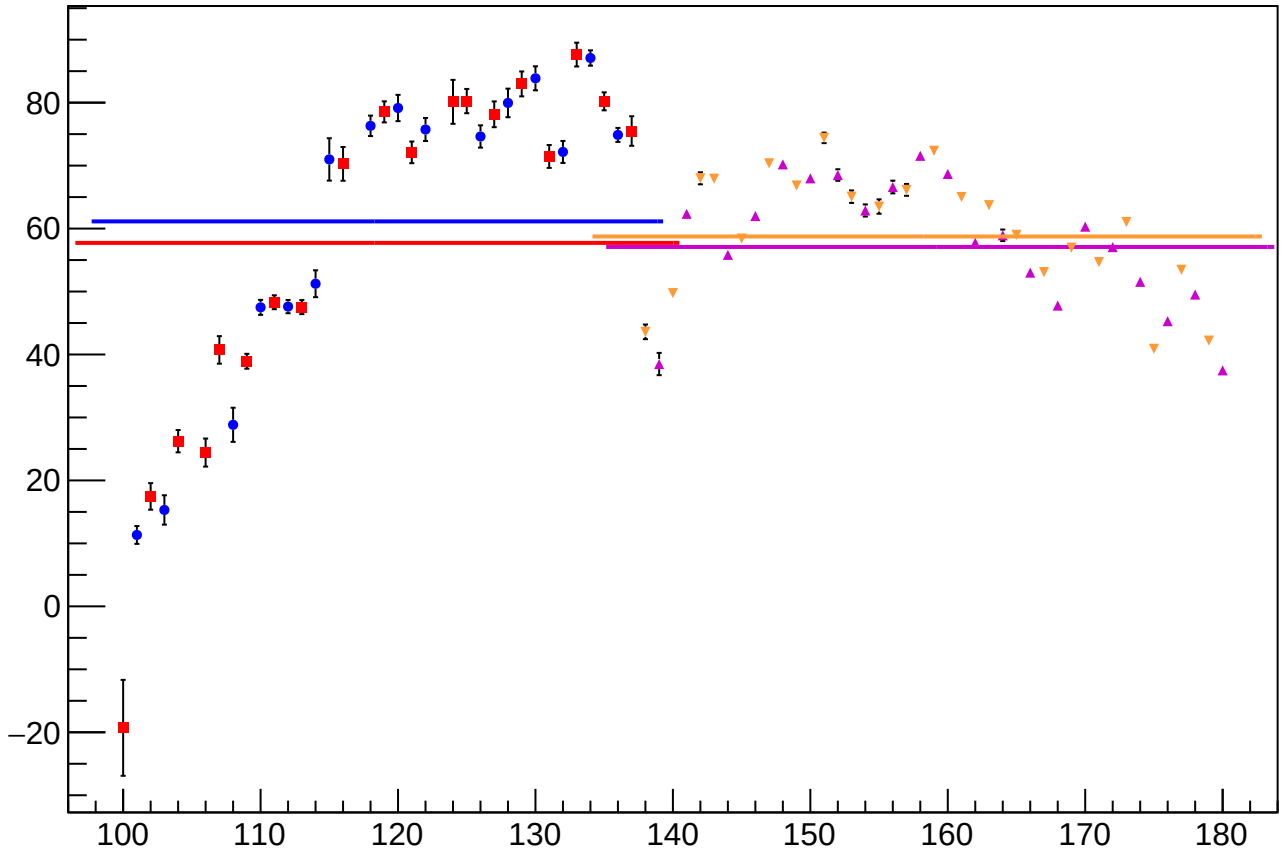
Left: -56.016+/-0.127 χ^2/NDF: 28043.7/42

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -59.115+/-0.160 χ^2/NDF:20712.5/36

Out: -62.219+/-0.162 χ^2/NDF:16683.5/40

All: -60.644+/-0.114 χ^2/NDF: 37582.0/77



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.743+/-0.154 χ^2/NDF:3548.7/21

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 57.078+/-0.153 χ^2/NDF:3589.9/20

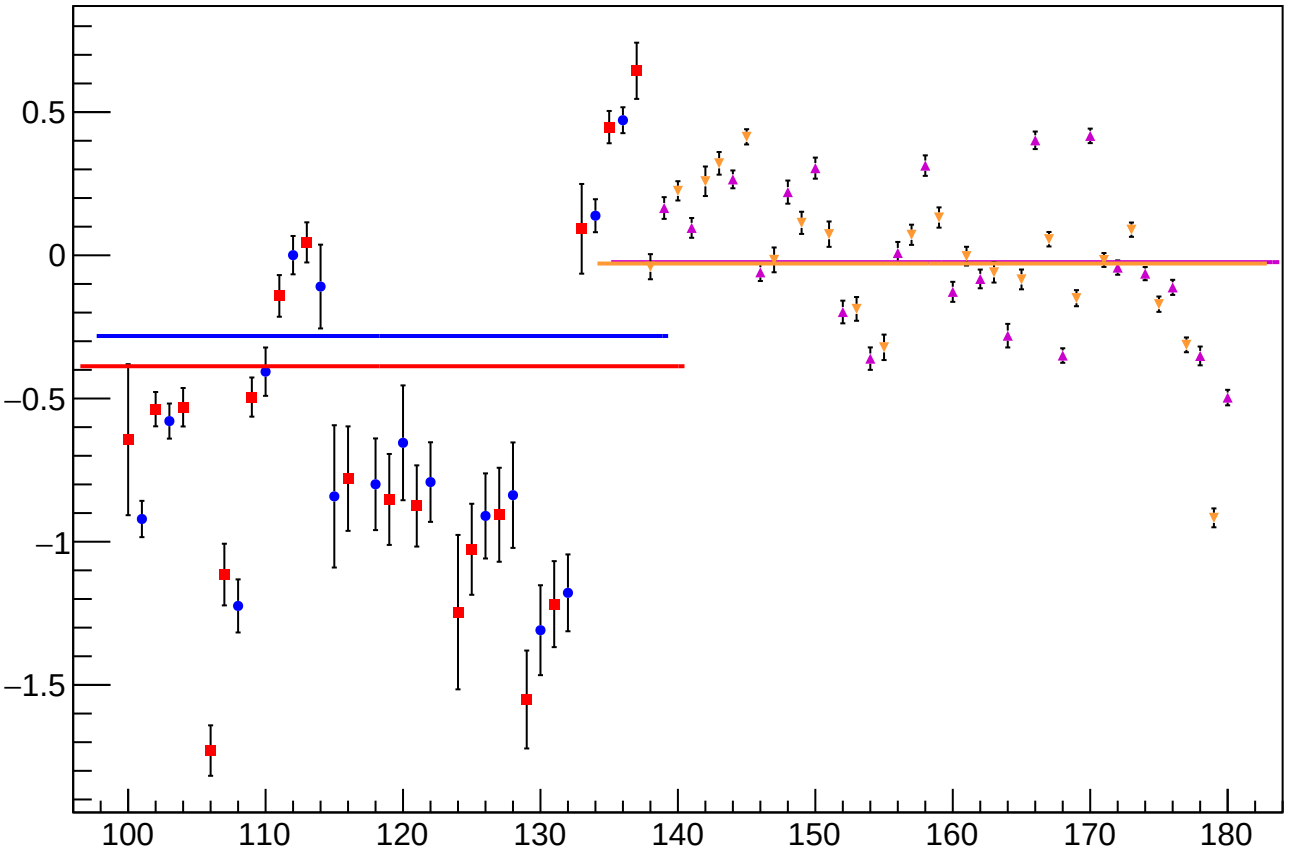
Left: 57.903+/-0.108 χ^2/NDF: 7197.5/42

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 57.593+/-0.143 χ^2/NDF:6908.9/36

Out: 58.612+/-0.144 χ^2/NDF:6329.9/40

All: 58.098+/-0.101 χ^2/NDF: 13264.1/77



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.029+/-0.007 χ^2/NDF:1478.6/21

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: -0.024+/-0.007 χ^2/NDF:1554.0/20

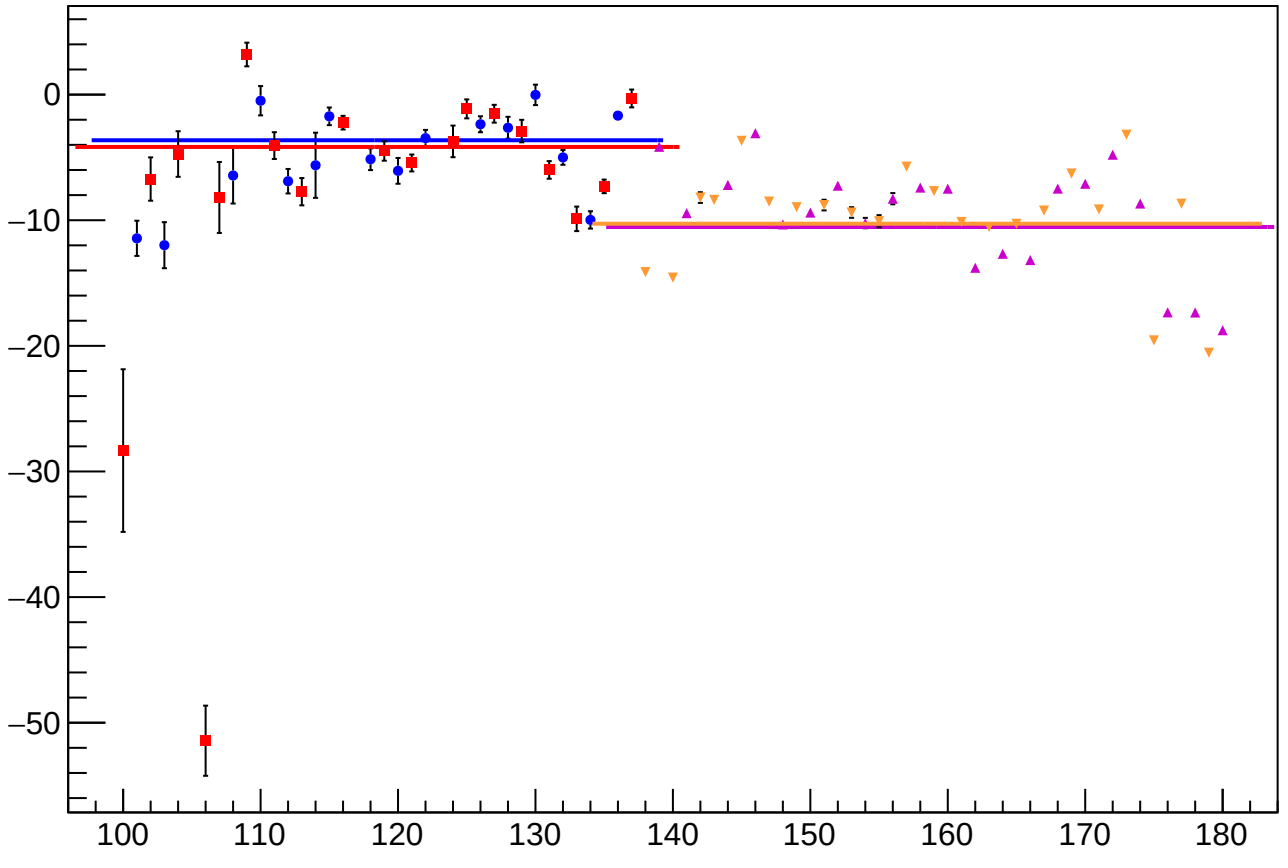
Left: -0.026+/-0.005 χ^2/NDF: 3032.8/42

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.047+/-0.007 χ^2/NDF:2411.5/36

Out: -0.061+/-0.007 χ^2/NDF:2540.8/40

All: -0.054+/-0.005 χ^2/NDF: 4954.8/77



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -10.277+/-0.059 χ^2/NDF:7629.8/21

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -10.538+/-0.057 χ^2/NDF:7447.1/20

Left: -10.412+/-0.041 χ^2/NDF: 15086.9/42

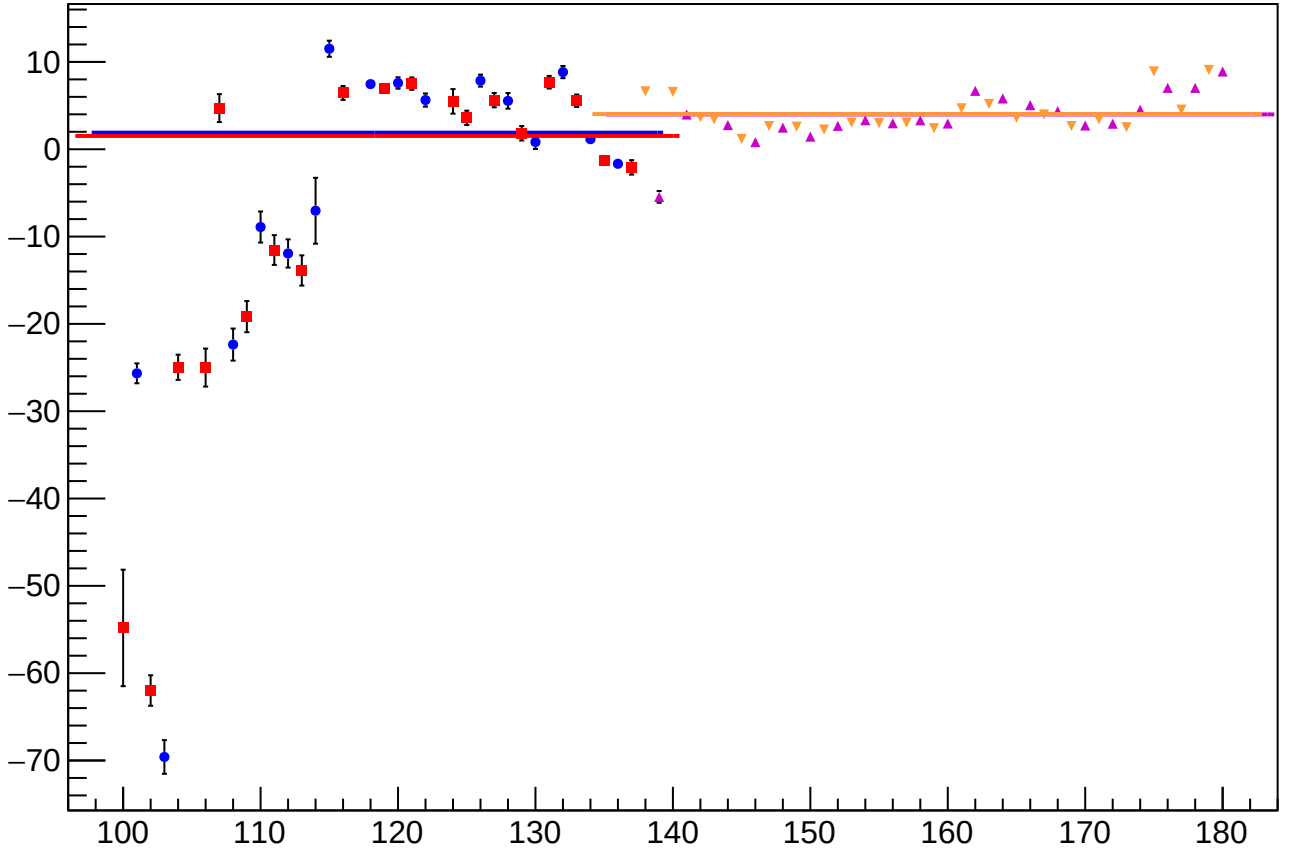
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -9.961+/-0.055 χ^2/NDF:8904.3/36

Out: -9.783+/-0.057 χ^2/NDF:9022.2/40

All: -9.875+/-0.039 χ^2/NDF: 17931.6/77

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.025+/-0.044 χ^2/NDF:2296.9/21

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.989+/-0.043 χ^2/NDF:2725.8/20

Left: 4.007+/-0.031 χ^2/NDF: 5023.1/42

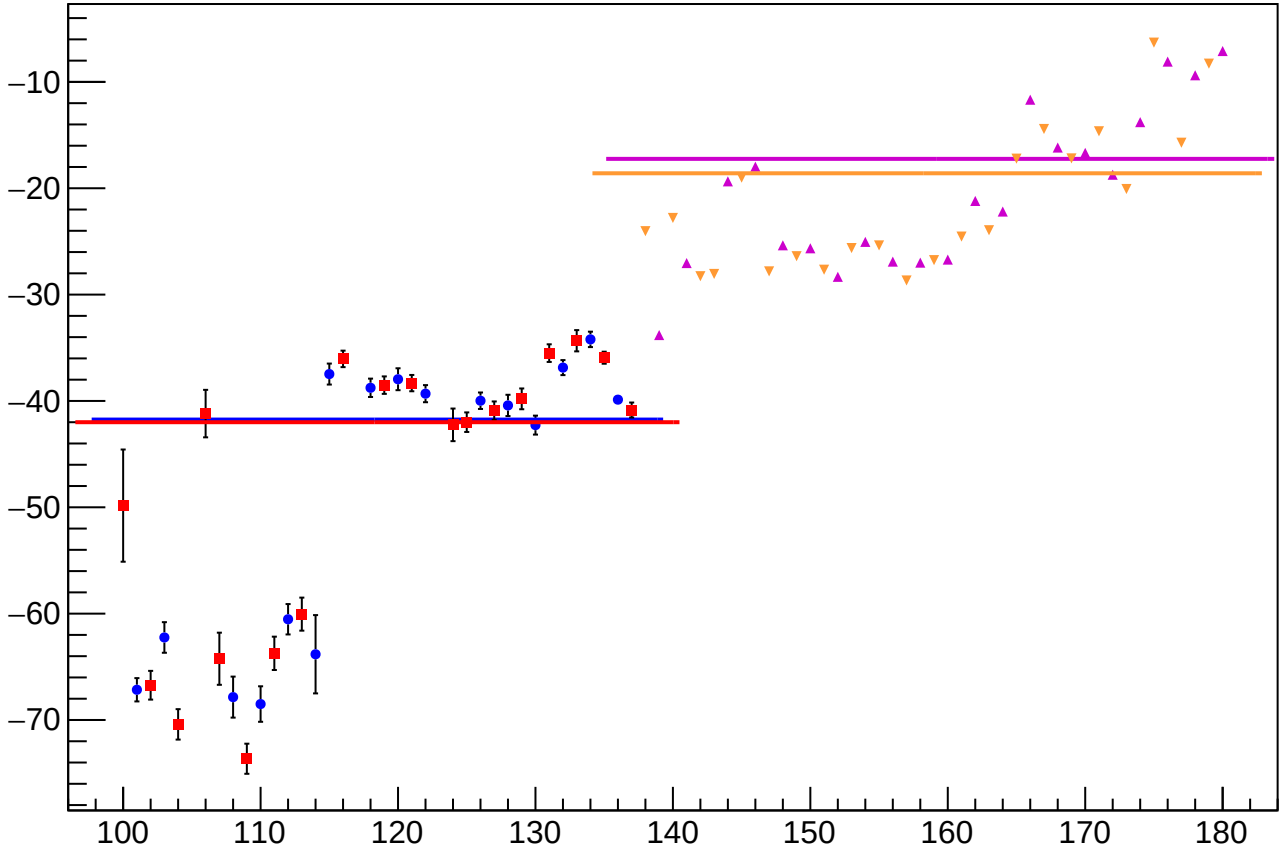
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.884+/-0.042 χ^2/NDF:5680.2/36

Out: 3.918+/-0.043 χ^2/NDF:4994.6/40

All: 3.900+/-0.030 χ^2/NDF: 10675.2/77

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: -18.593+/-0.059 χ^2/NDF:13639.0/21

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -17.237+/-0.057 χ^2/NDF:15655.5/20

Left: -17.891+/-0.041 χ^2/NDF: 29569.5/42

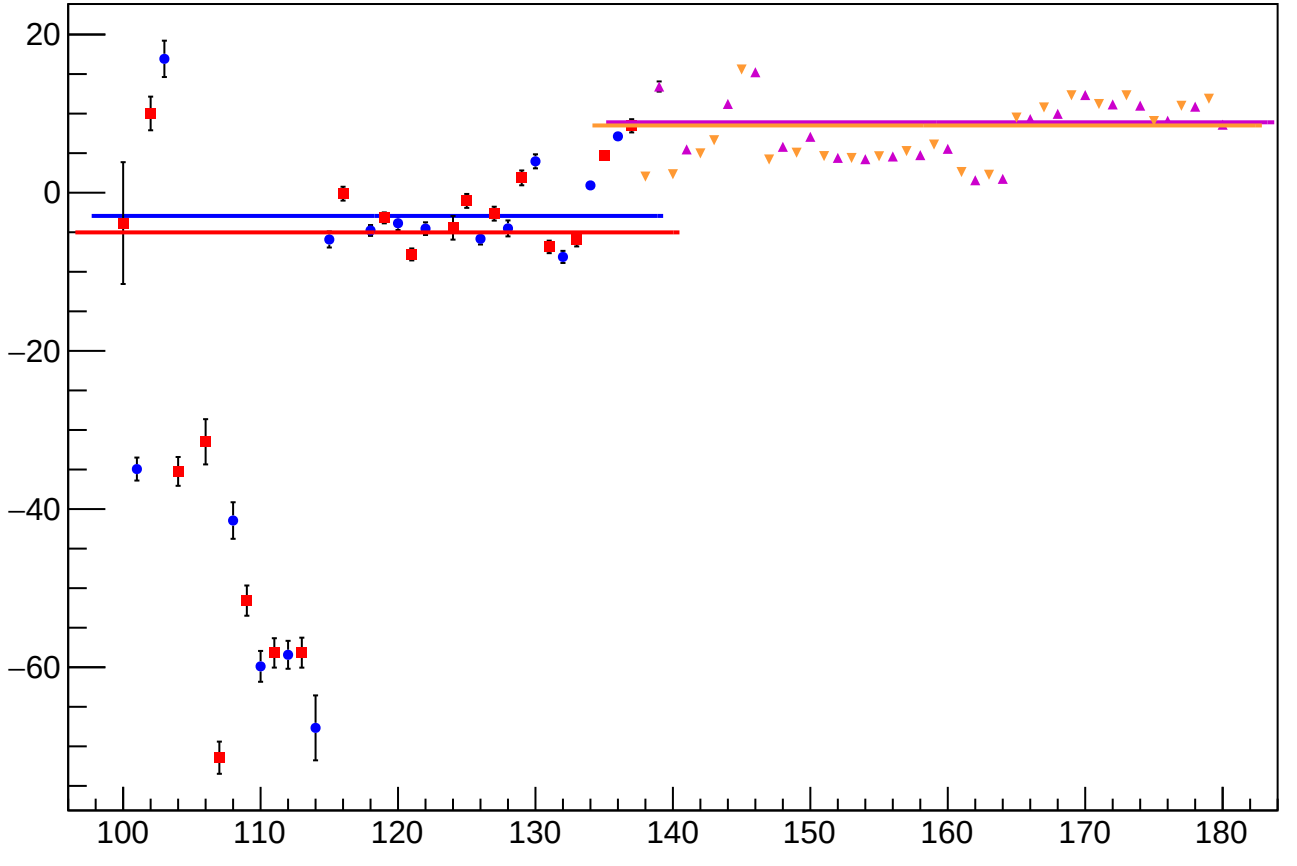
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -18.943+/-0.055 χ^2/NDF:30259.5/36

Out: -20.050+/-0.057 χ^2/NDF:25483.8/40

All: -19.475+/-0.039 χ^2/NDF: 55939.7/77

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.501+/-0.050 χ^2/NDF:6364.8/21

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.901+/-0.049 χ^2/NDF:5405.5/20

Left: 8.705+/-0.035 χ^2/NDF: 11803.1/42

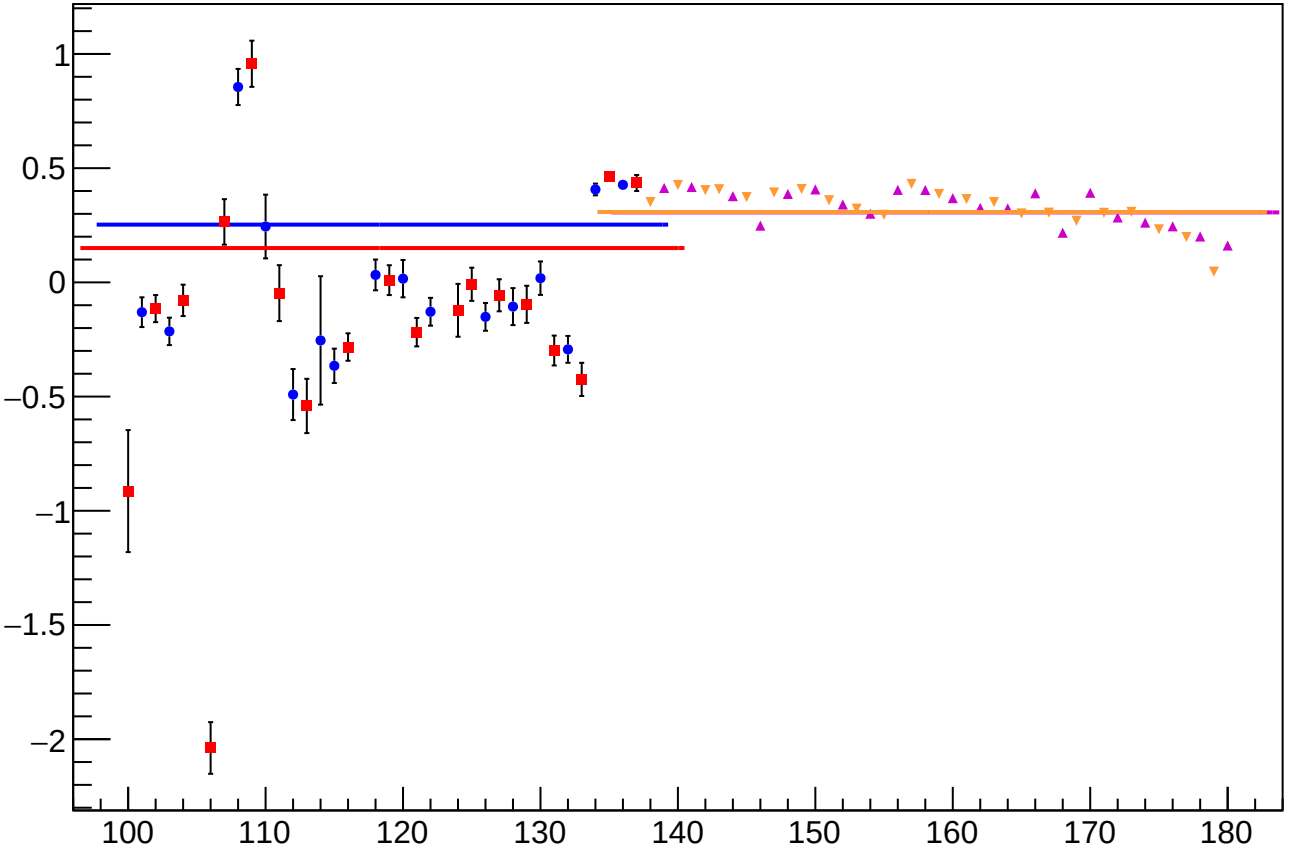
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.292+/-0.048 χ^2/NDF:12154.7/36

Out: 7.907+/-0.049 χ^2/NDF:13994.2/40

All: 8.104+/-0.034 χ^2/NDF: 26180.9/77

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: 0.308+/-0.002 χ^2/NDF:1506.8/21

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.306+/-0.002 χ^2/NDF:1335.0/20

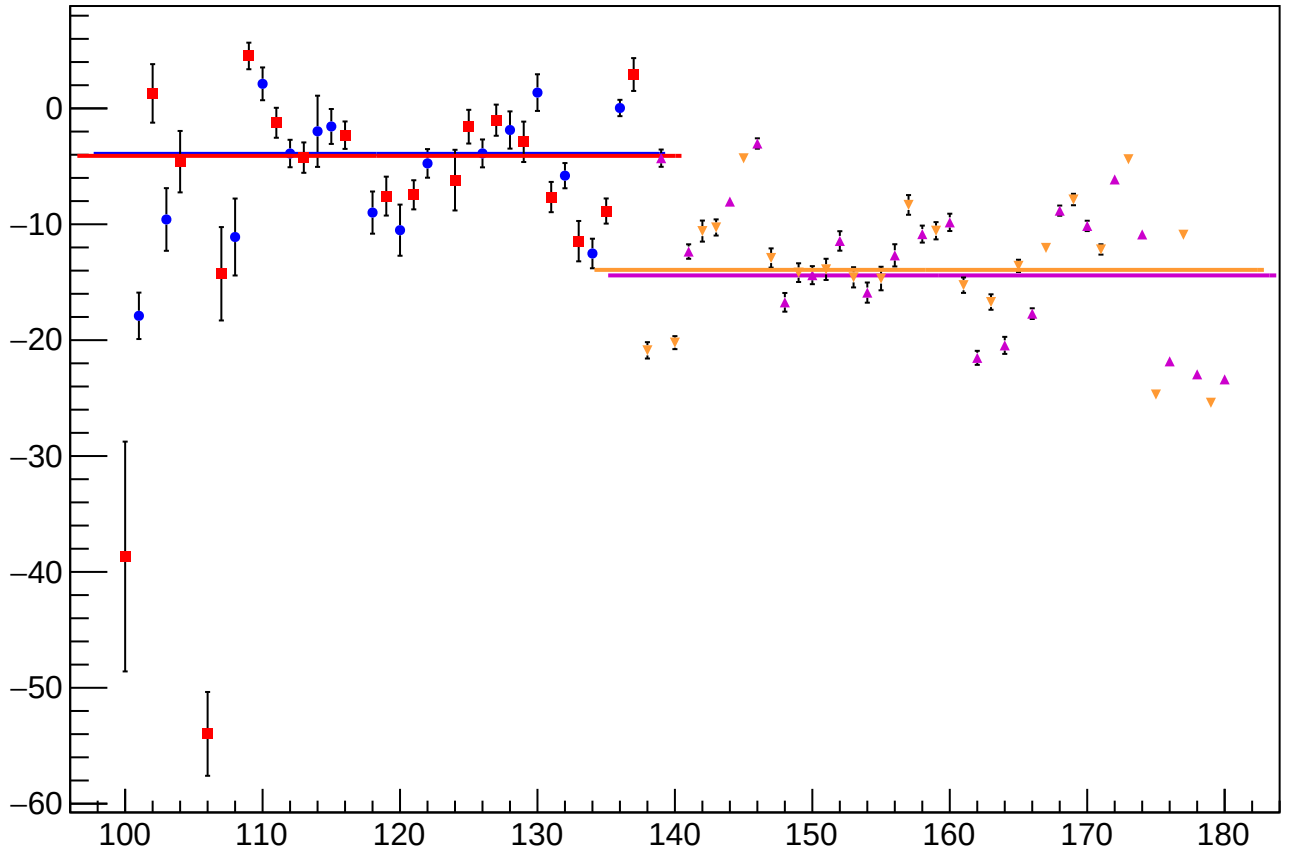
Left: 0.307+/-0.002 χ^2/NDF: 2842.1/42

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.304+/-0.002 χ^2/NDF:1987.0/36

Out: 0.304+/-0.002 χ^2/NDF:2660.5/40

All: 0.304+/-0.002 χ^2/NDF: 4647.5/77



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.935+/-0.116 χ^2/NDF:3525.7/21

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -14.414+/-0.110 χ^2/NDF:3883.1/20

Left: -14.188+/-0.080 χ^2/NDF: 7417.8/42

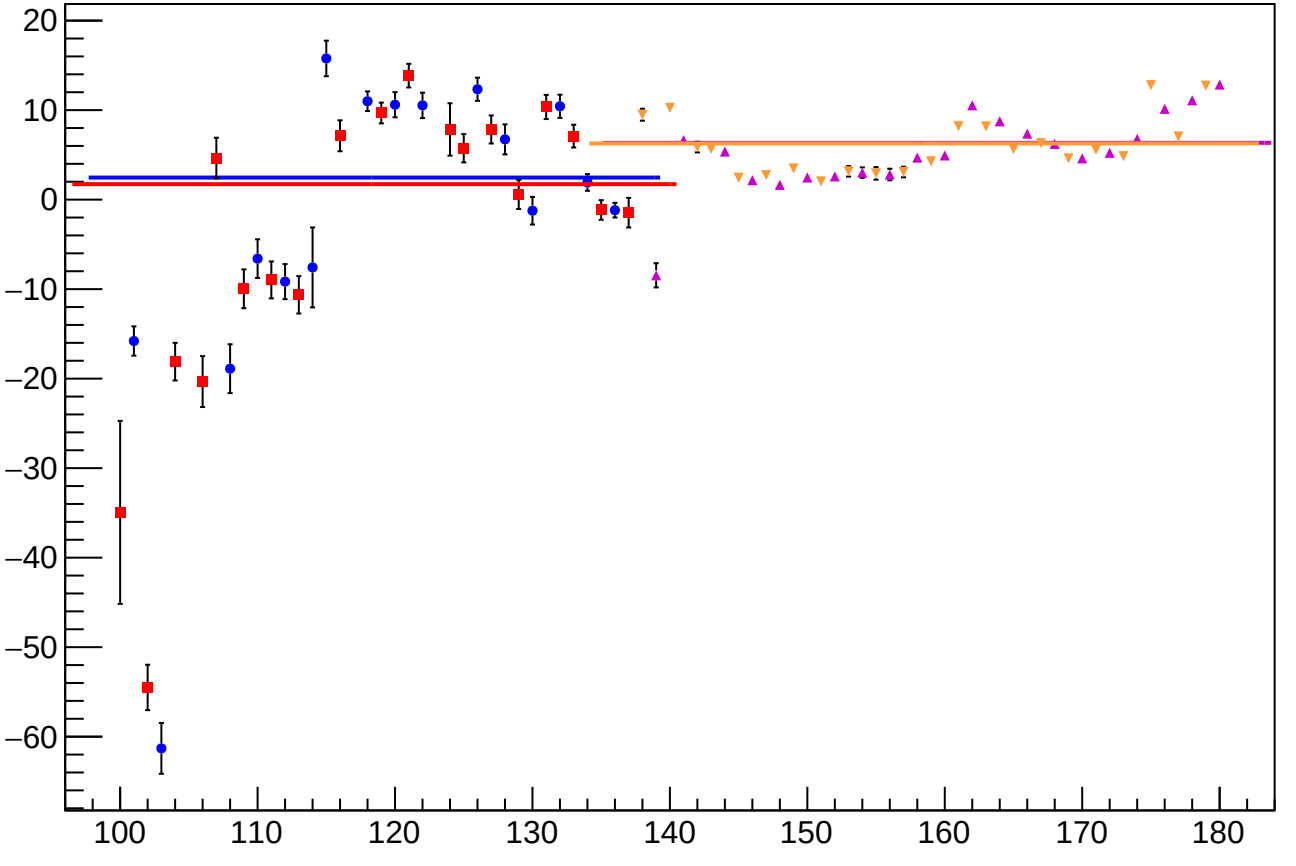
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -13.455+/-0.105 χ^2/NDF:4906.9/36

Out: -12.997+/-0.110 χ^2/NDF:4580.4/40

All: -13.238+/-0.076 χ^2/NDF: 9496.4/77

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: 6.279+/-0.088 χ^2/NDF:1352.5/21

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 6.344+/-0.085 χ^2/NDF:1703.6/20

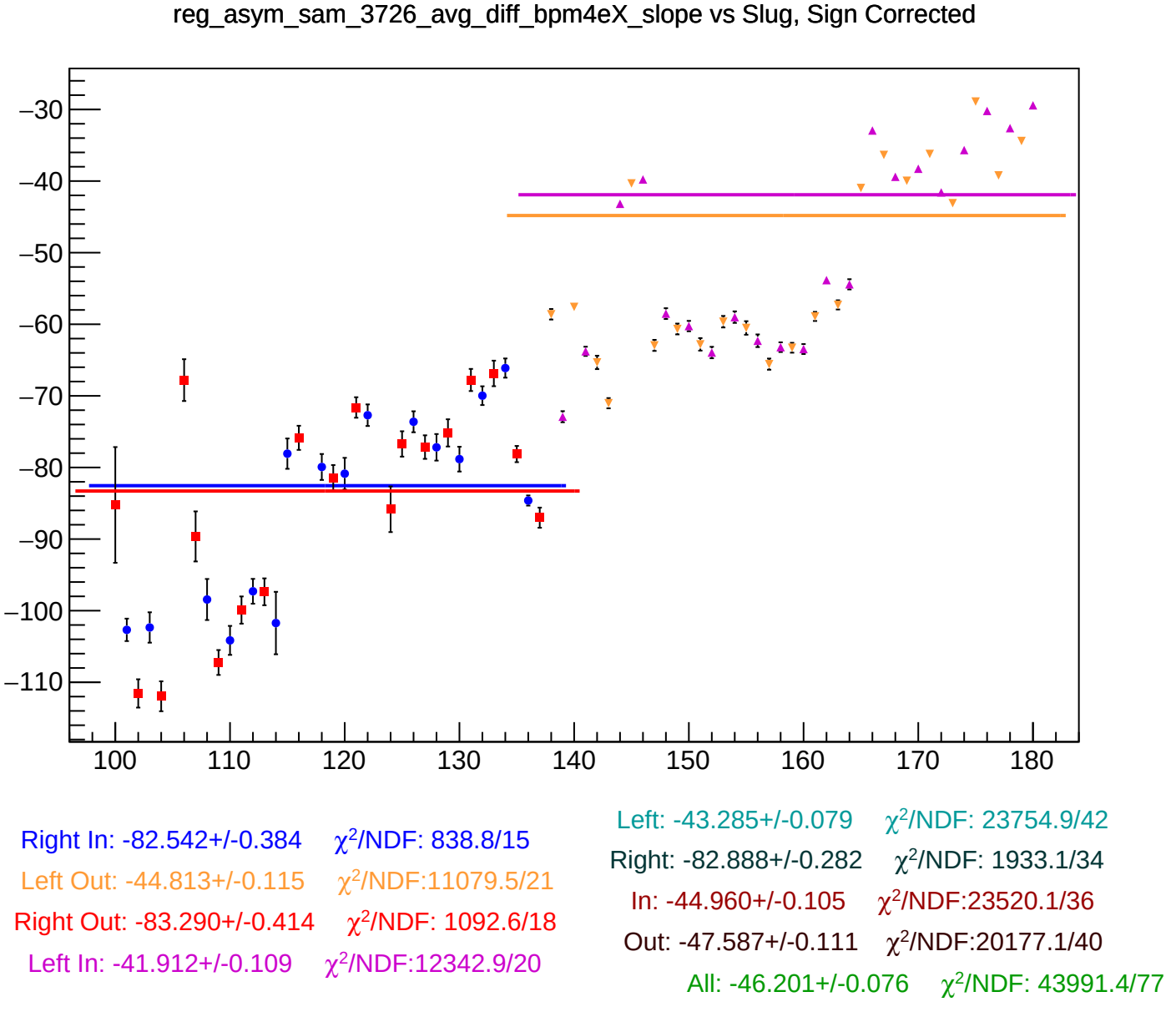
Left: 6.313+/-0.061 χ^2/NDF: 3056.4/42

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

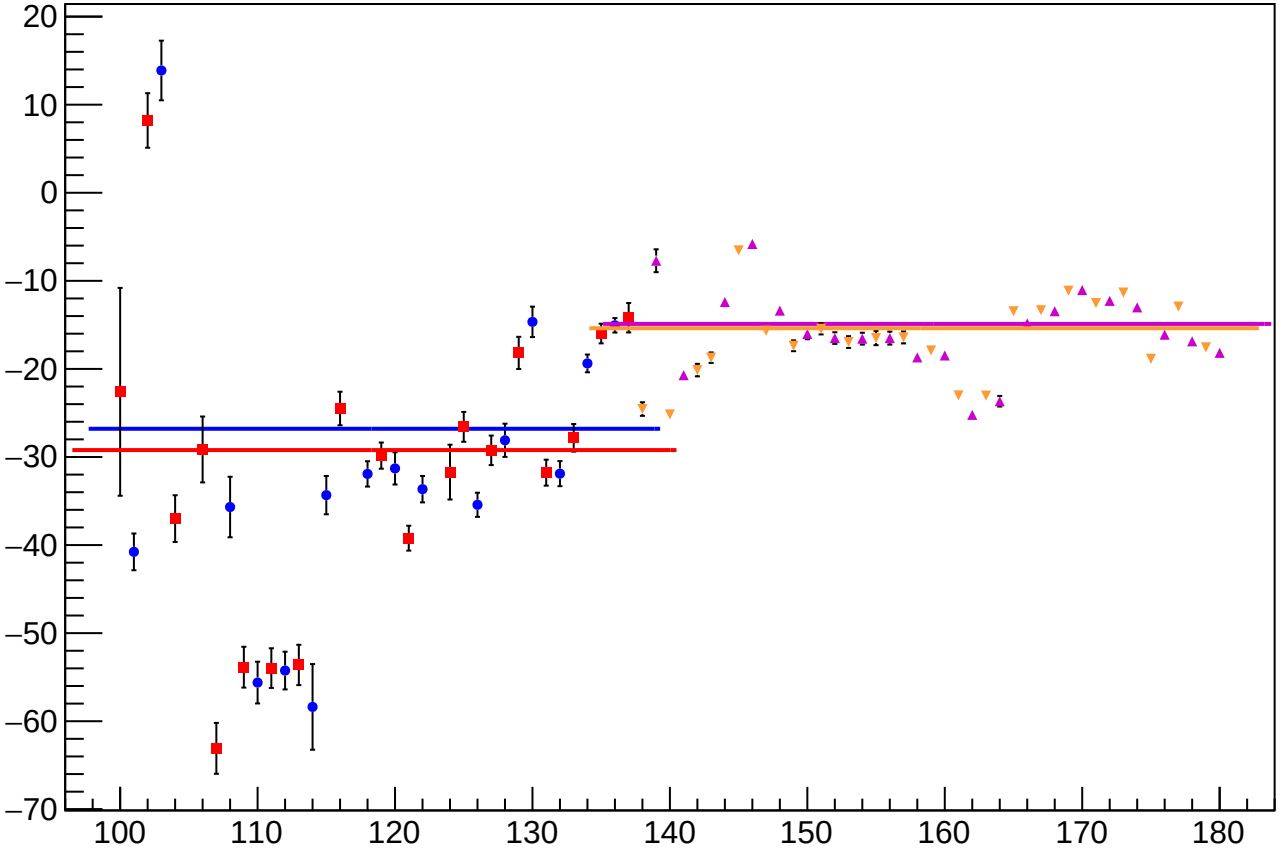
In: 6.138+/-0.082 χ^2/NDF:2862.3/36

Out: 6.056+/-0.085 χ^2/NDF:2467.7/40

All: 6.098+/-0.059 χ^2/NDF: 5330.5/77


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
180
Right In: -82.542+/-0.384 χ2/NDF: 838.8/15
Left Out: -44.813+/-0.115 χ2/NDF:11079.5/21
Right Out: -83.290+/-0.414 χ2/NDF: 1092.6/18
Left In: -41.912+/-0.109 χ2/NDF:12342.9/20
Left: -43.285+/-0.079 χ2/NDF: 23754.9/42
Right: -82.888+/-0.282 χ2/NDF: 1933.1/34
In: -44.960+/-0.105 χ2/NDF:23520.1/36
Out: -47.587+/-0.111 χ2/NDF:20177.1/40
All: -46.201+/-0.076 χ2/NDF: 43991.4/77

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: -15.383+/-0.098 χ^2/NDF:2209.8/21

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.890+/-0.095 χ^2/NDF:2121.3/20

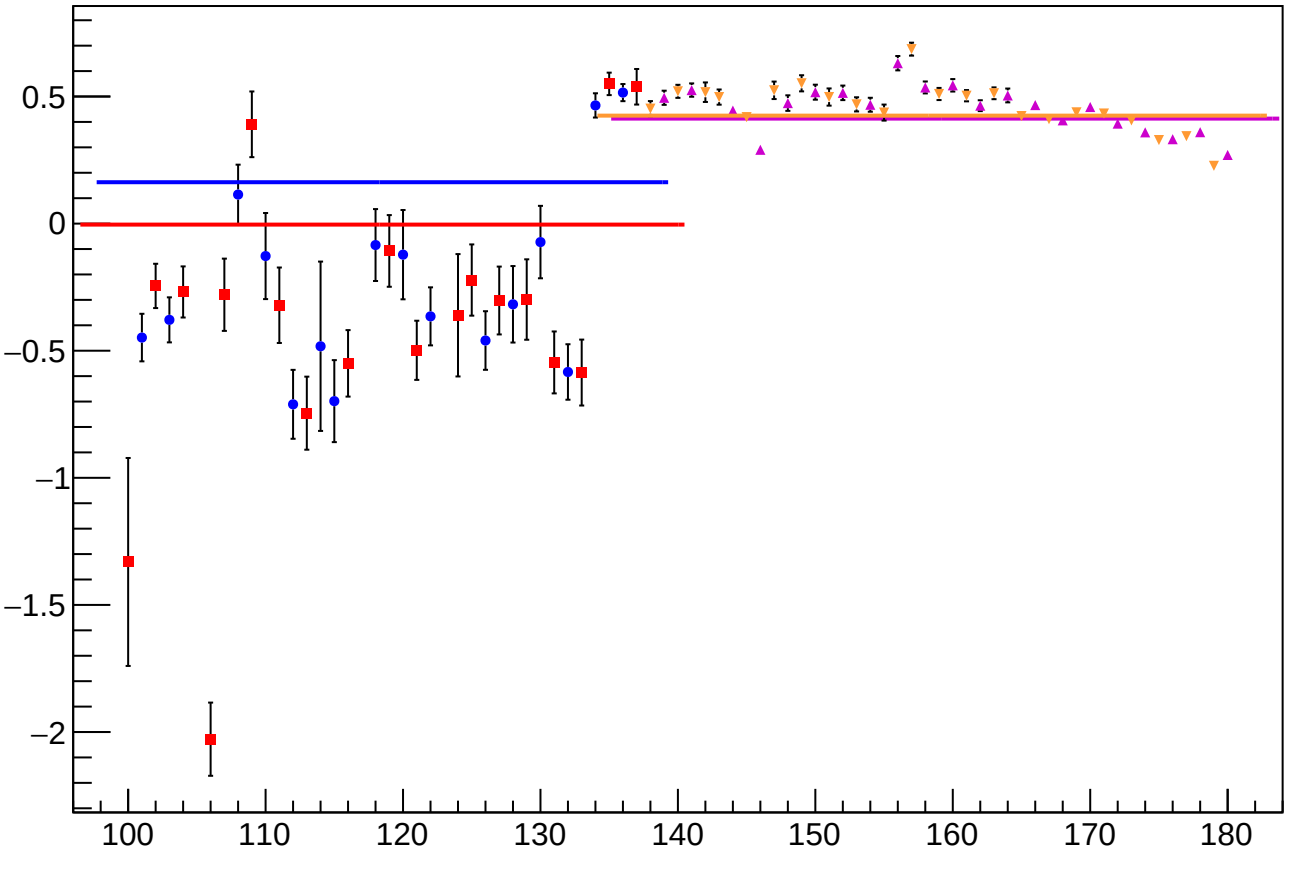
Left: -15.128+/-0.068 χ^2/NDF: 4344.2/42

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.536+/-0.092 χ^2/NDF:3941.5/36

Out: -16.065+/-0.096 χ^2/NDF:4149.3/40

All: -15.790+/-0.066 χ^2/NDF: 8106.6/77



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.425+/-0.004 χ^2/NDF:405.7/21

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.413+/-0.004 χ^2/NDF:412.6/20

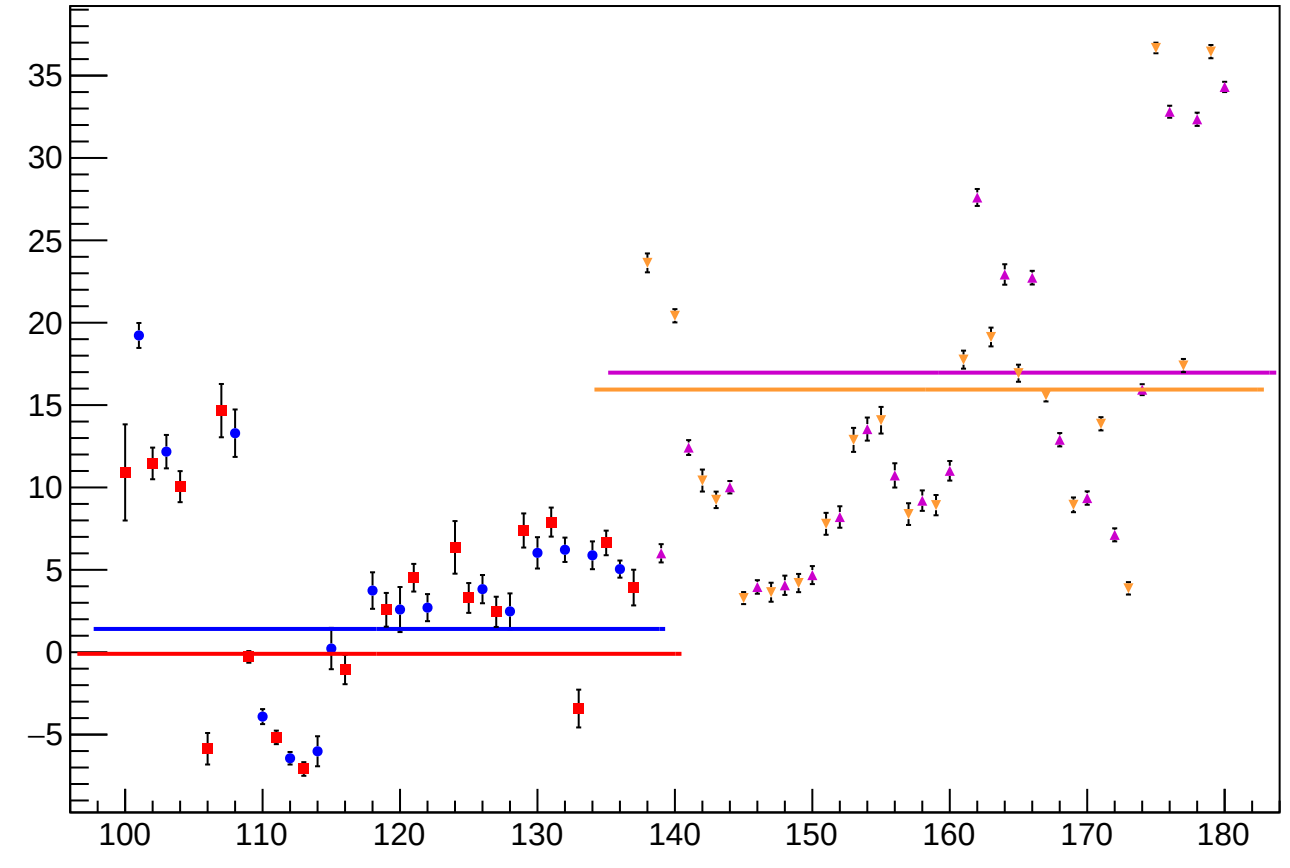
Left: 0.419+/-0.003 χ^2/NDF: 821.9/42

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.404+/-0.004 χ^2/NDF:966.7/36

Out: 0.411+/-0.004 χ^2/NDF:1277.8/40

All: 0.407+/-0.003 χ^2/NDF: 2246.2/77



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 15.943+/-0.101 χ^2/NDF:11203.9/21

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 16.968+/-0.099 χ^2/NDF:11584.8/20

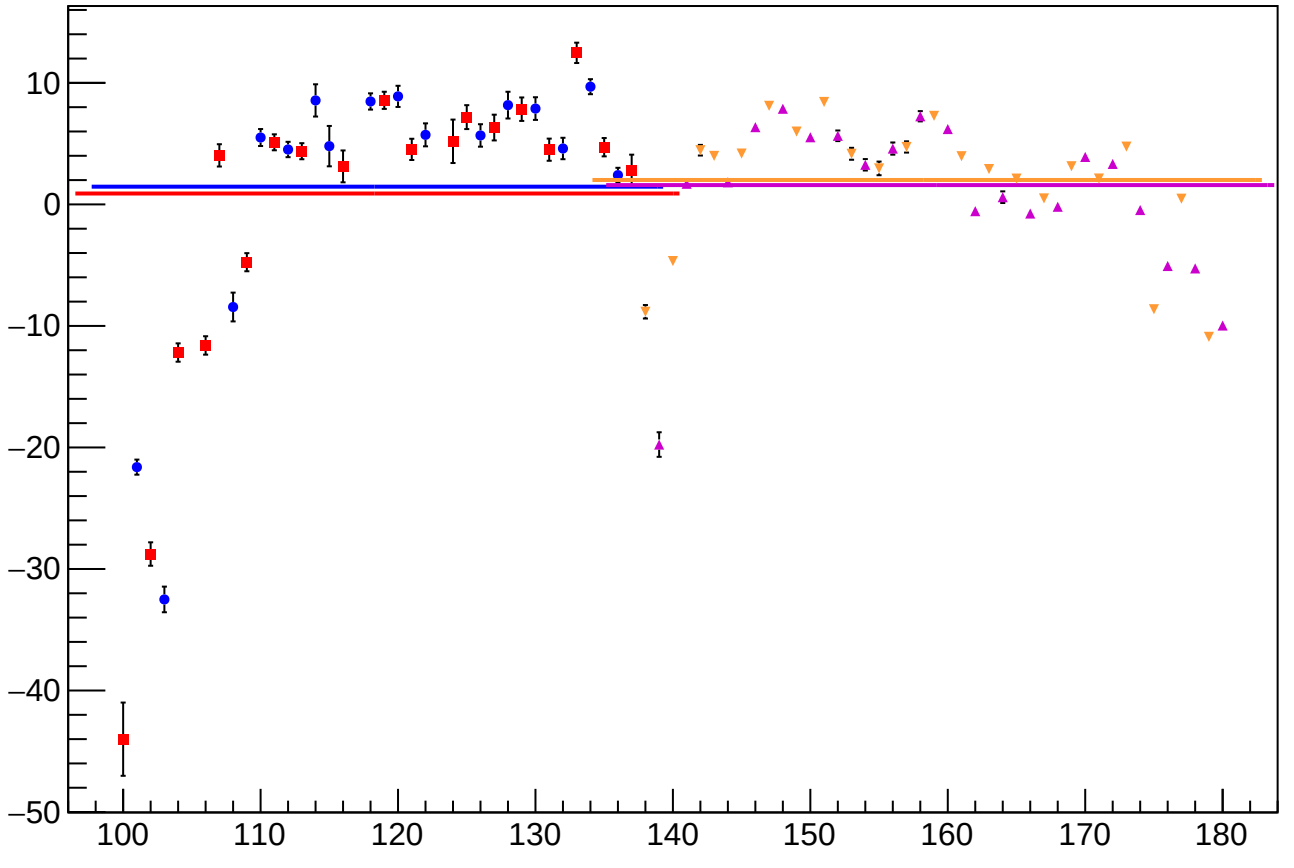
Left: 16.469+/-0.071 χ^2/NDF: 22841.3/42

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 13.467+/-0.087 χ^2/NDF:18700.9/36

Out: 11.642+/-0.087 χ^2/NDF:19071.6/40

All: 12.553+/-0.061 χ^2/NDF: 37993.9/77



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.010+/-0.075 χ^2/NDF:4767.5/21

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 1.590+/-0.075 χ^2/NDF:4463.4/20

Left: 1.798+/-0.053 χ^2/NDF: 9246.7/42

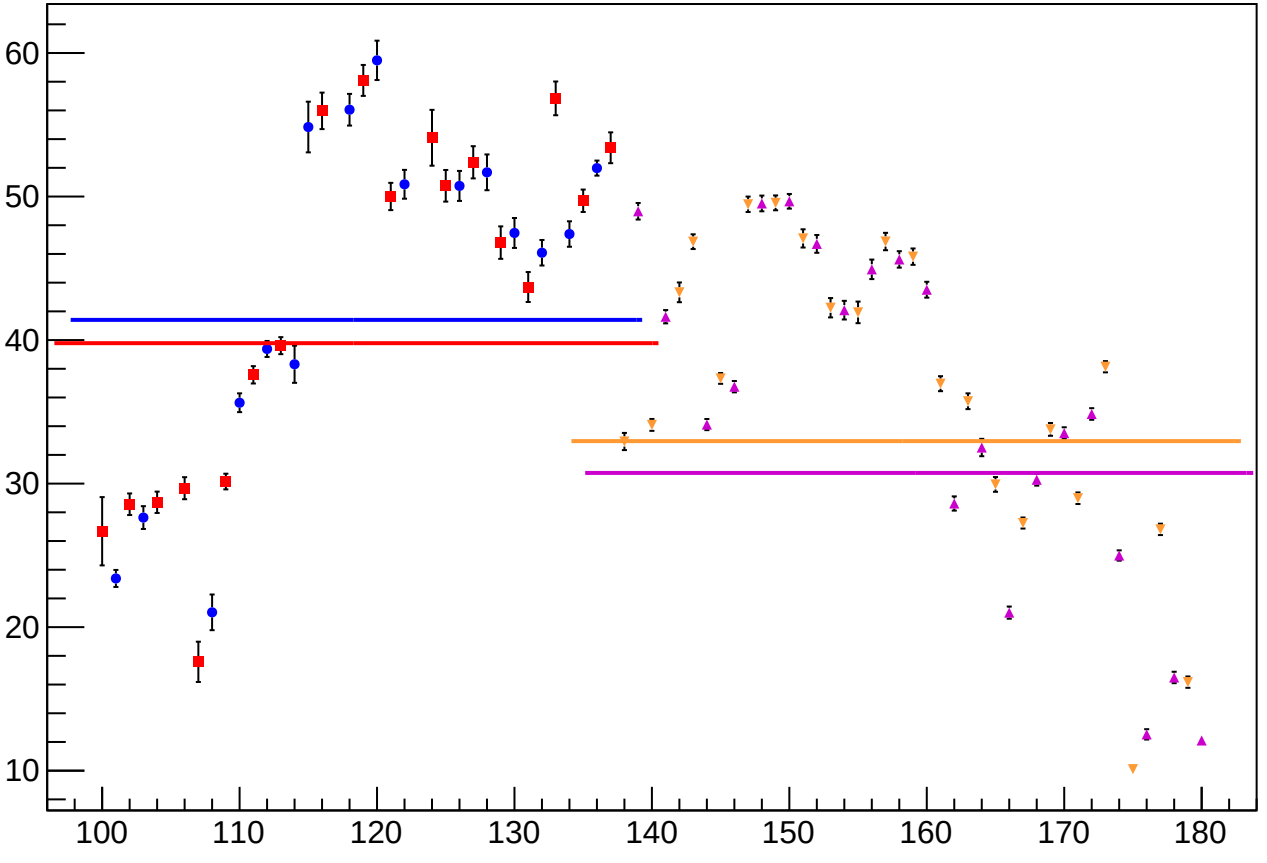
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 1.574+/-0.070 χ^2/NDF:7544.1/36

Out: 1.874+/-0.070 χ^2/NDF:7171.3/40

All: 1.724+/-0.050 χ^2/NDF: 14724.5/77

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: 32.961+/-0.101 χ^2/NDF:12638.8/21

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 30.745+/-0.098 χ^2/NDF:15421.8/20

Left: 31.824+/-0.070 χ^2/NDF: 28309.1/42

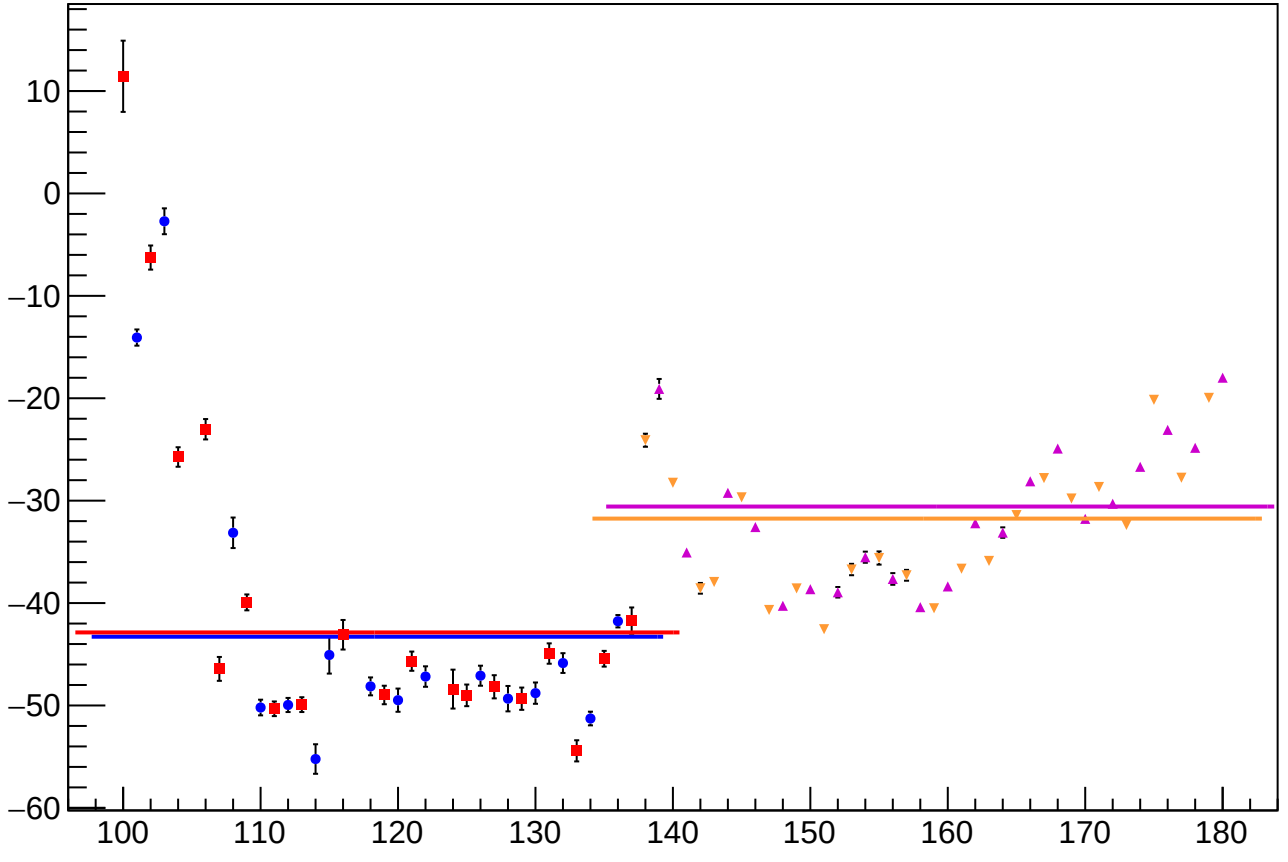
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 32.646+/-0.089 χ^2/NDF:20273.3/36

Out: 34.309+/-0.090 χ^2/NDF:16200.3/40

All: 33.466+/-0.063 χ^2/NDF: 36646.1/77

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.751+/-0.085 χ^2/NDF:5540.6/21

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -30.575+/-0.084 χ^2/NDF:5421.5/20

Left: -31.157+/-0.060 χ^2/NDF: 11058.6/42

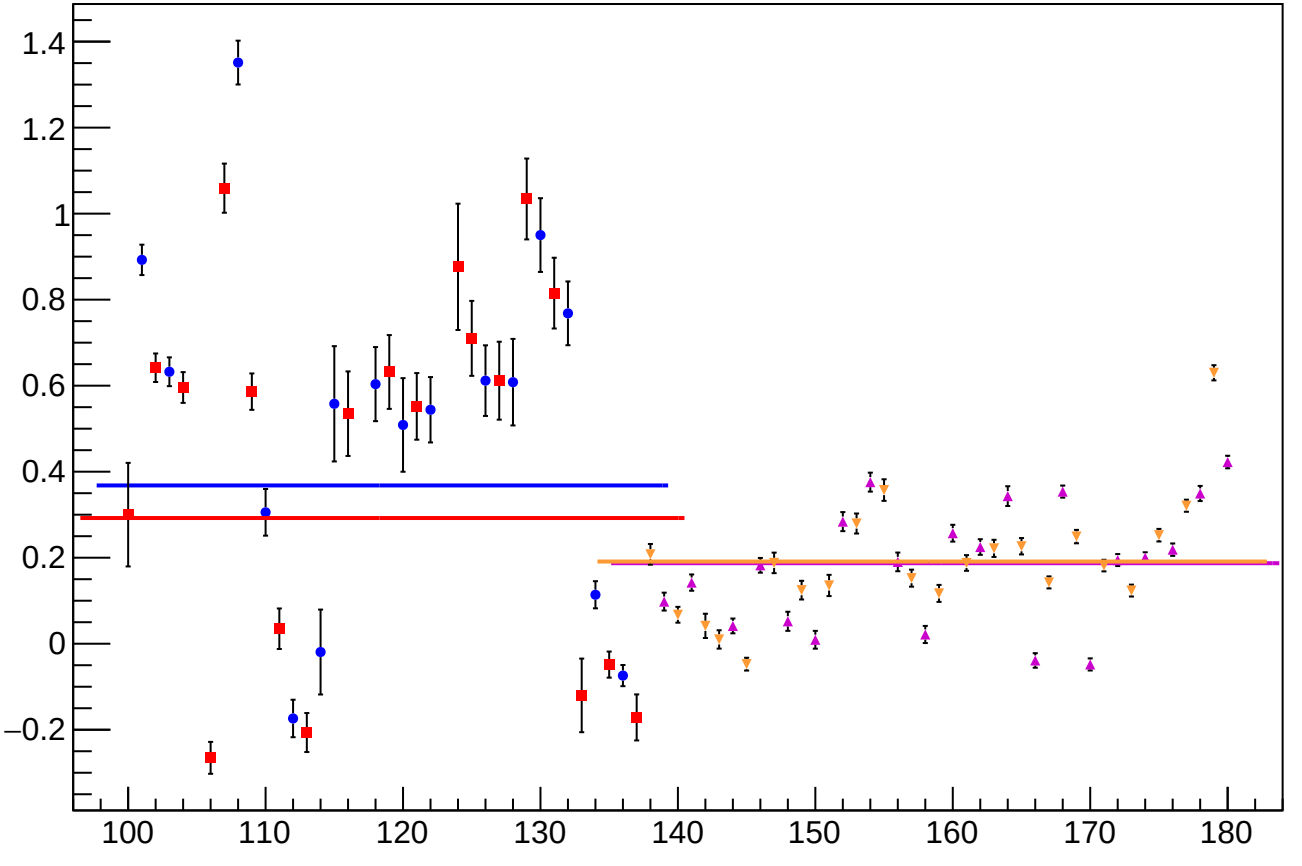
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -32.088+/-0.079 χ^2/NDF:11112.9/36

Out: -33.101+/-0.080 χ^2/NDF:10064.4/40

All: -32.590+/-0.056 χ^2/NDF: 21258.4/77

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: 0.191+/-0.004 χ^2/NDF:1266.2/21

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.187+/-0.004 χ^2/NDF:1377.5/20

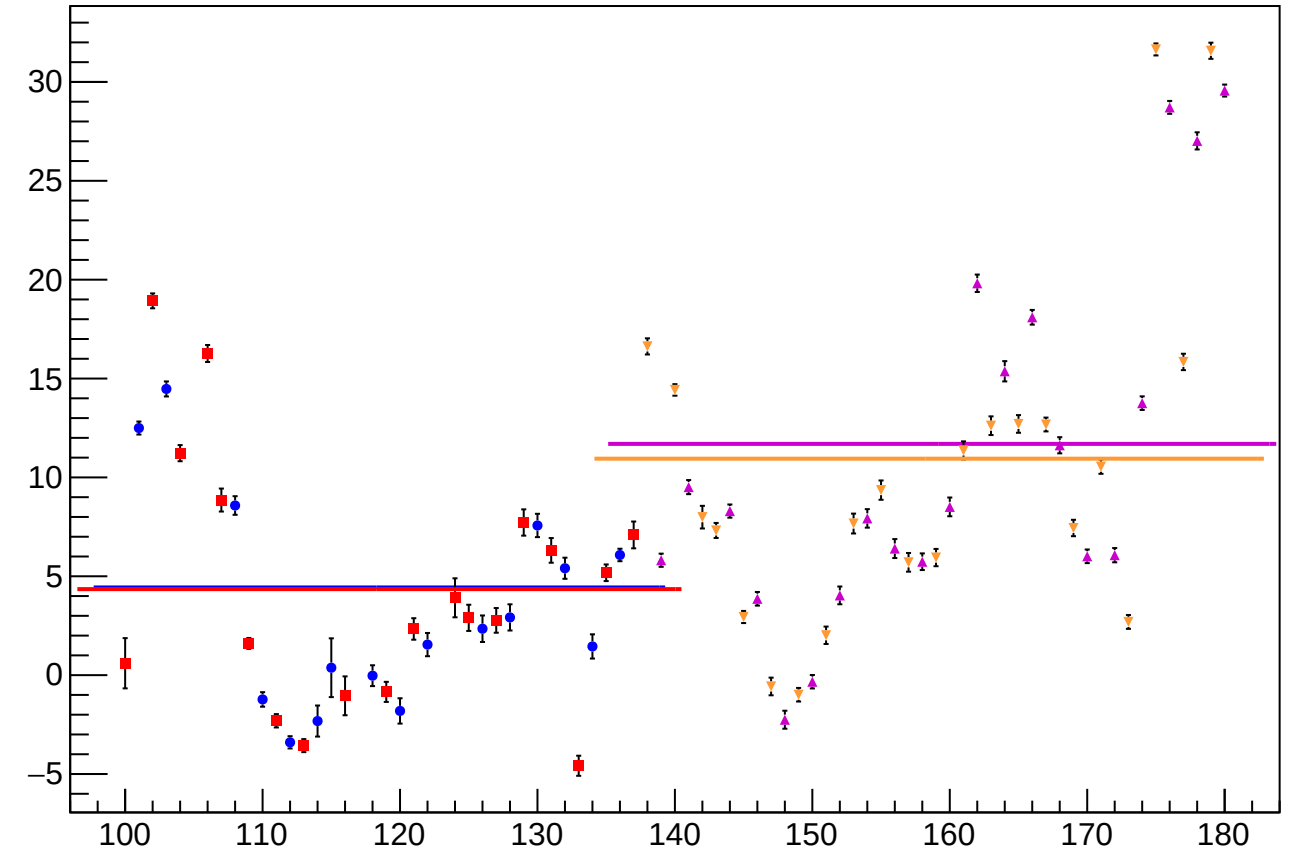
Left: 0.189+/-0.003 χ^2/NDF: 2644.2/42

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.203+/-0.004 χ^2/NDF:2898.9/36

Out: 0.200+/-0.004 χ^2/NDF:2528.9/40

All: 0.202+/-0.003 χ^2/NDF: 5428.0/77



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 10.948+/-0.084 χ^2/NDF:11725.7/21

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 11.696+/-0.083 χ^2/NDF:12571.6/20

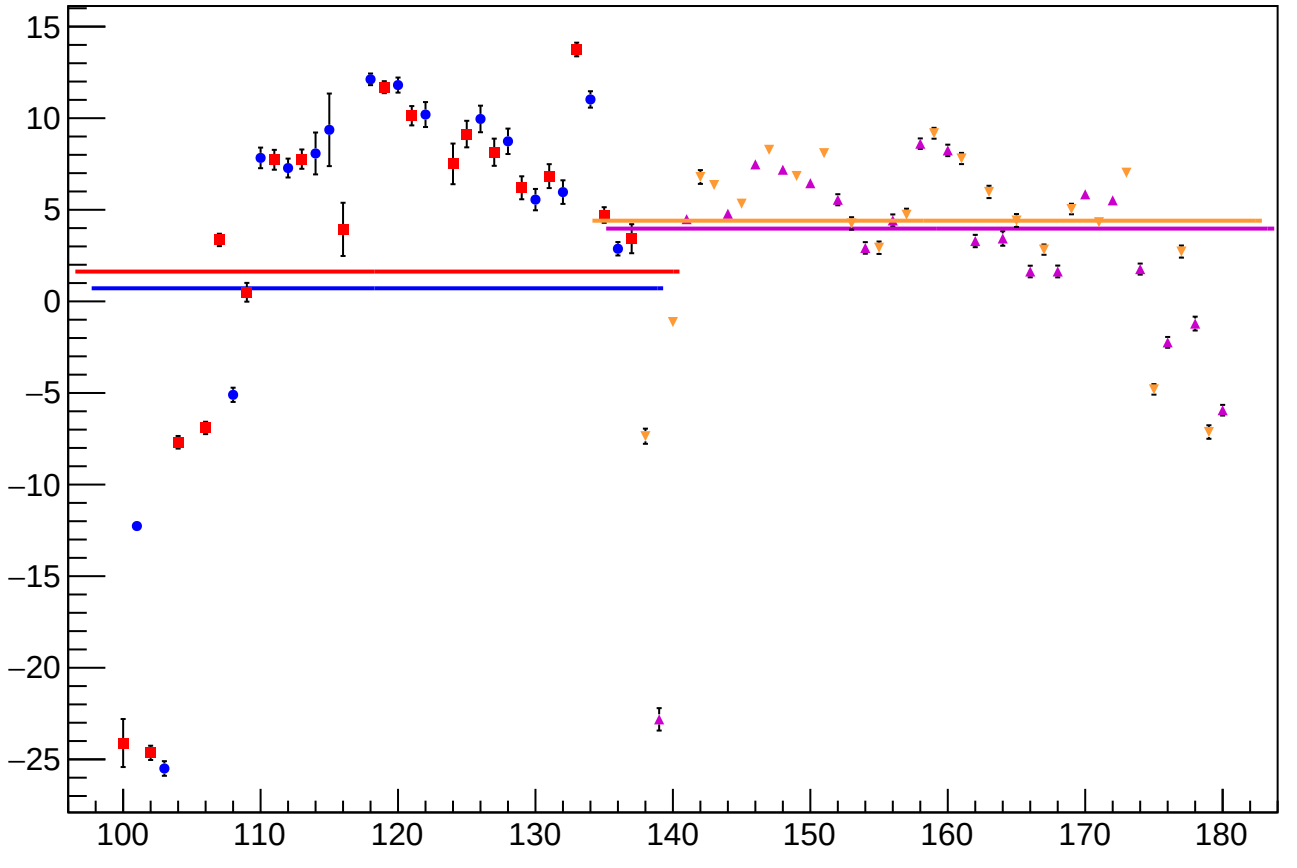
Left: 11.325+/-0.059 χ^2/NDF: 24337.2/42

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 9.251+/-0.068 χ^2/NDF:17750.0/36

Out: 8.489+/-0.067 χ^2/NDF:18225.0/40

All: 8.863+/-0.048 χ^2/NDF: 36039.2/77



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.405+/-0.061 χ^2/NDF:4699.6/21

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 3.973+/-0.063 χ^2/NDF:5073.1/20

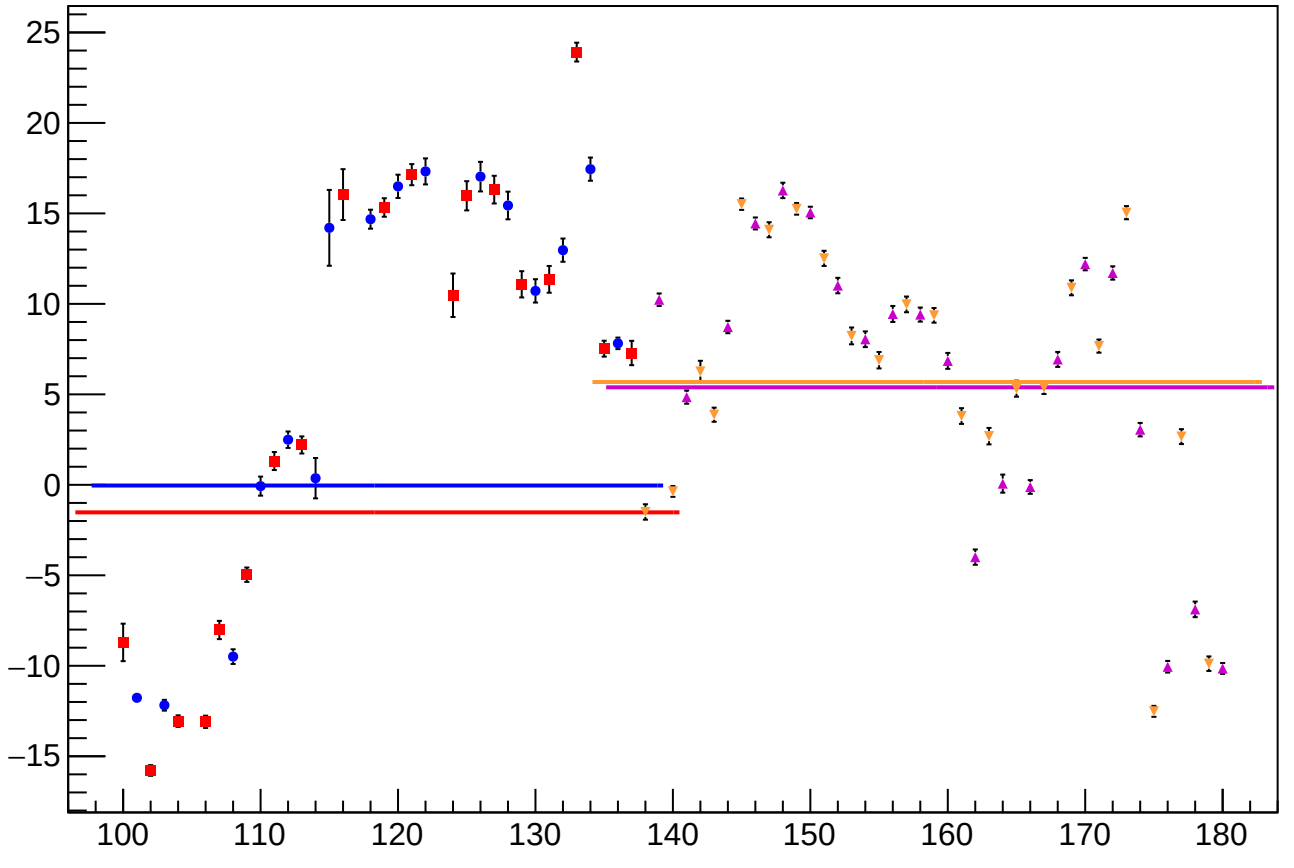
Left: 4.193+/-0.044 χ^2/NDF: 9796.9/42

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.235+/-0.055 χ^2/NDF:16138.2/36

Out: 3.753+/-0.054 χ^2/NDF:14434.2/40

All: 3.501+/-0.039 χ^2/NDF: 30617.5/77



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 5.683+/-0.083 χ^2/NDF:9530.3/21

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 5.389+/-0.082 χ^2/NDF:10357.2/20

Left: 5.535+/-0.058 χ^2/NDF: 19893.9/42

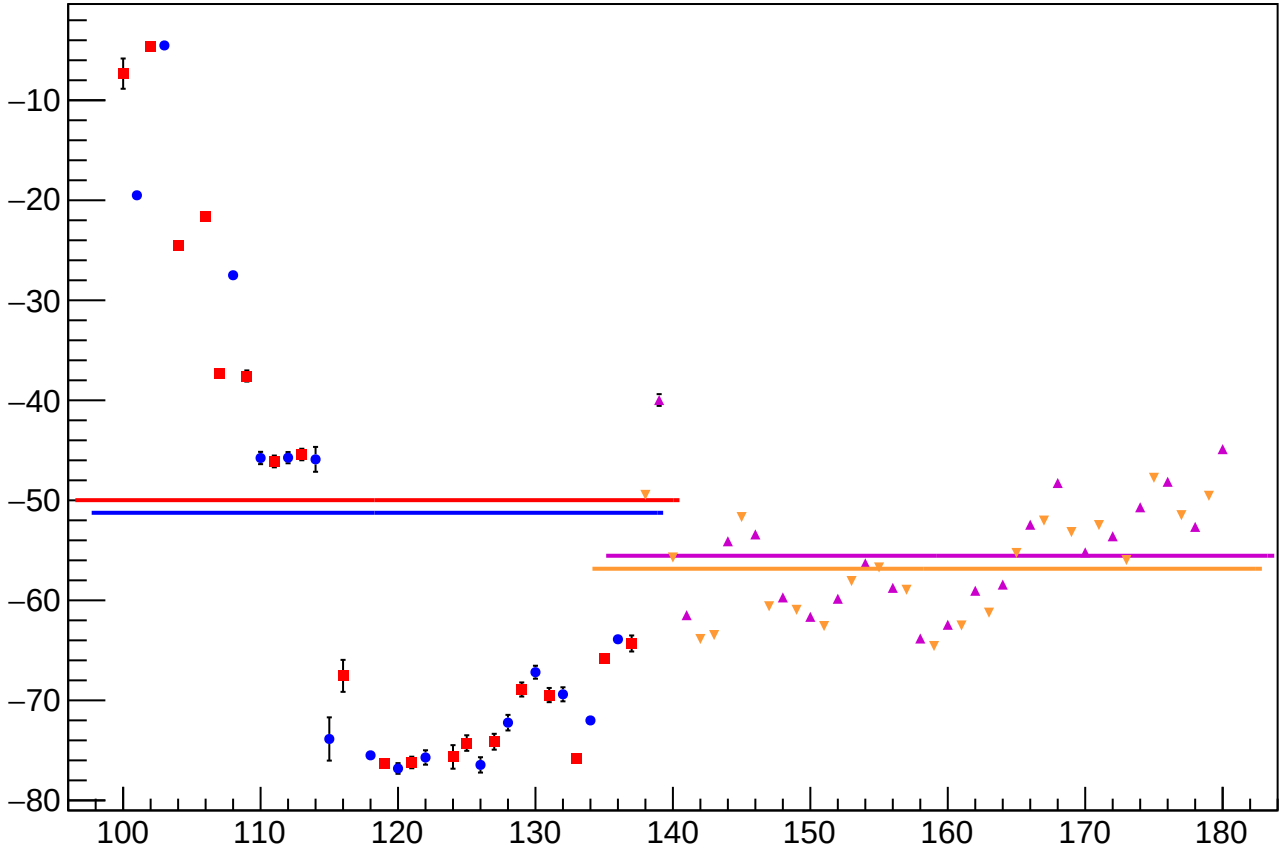
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.642+/-0.068 χ^2/NDF:21033.7/36

Out: 3.216+/-0.067 χ^2/NDF:24236.9/40

All: 3.428+/-0.048 χ^2/NDF: 45290.5/77

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.840+/-0.070 χ^2/NDF:5185.4/21

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.541+/-0.071 χ^2/NDF:5952.0/20

Left: -56.197+/-0.050 χ^2/NDF: 11306.8/42

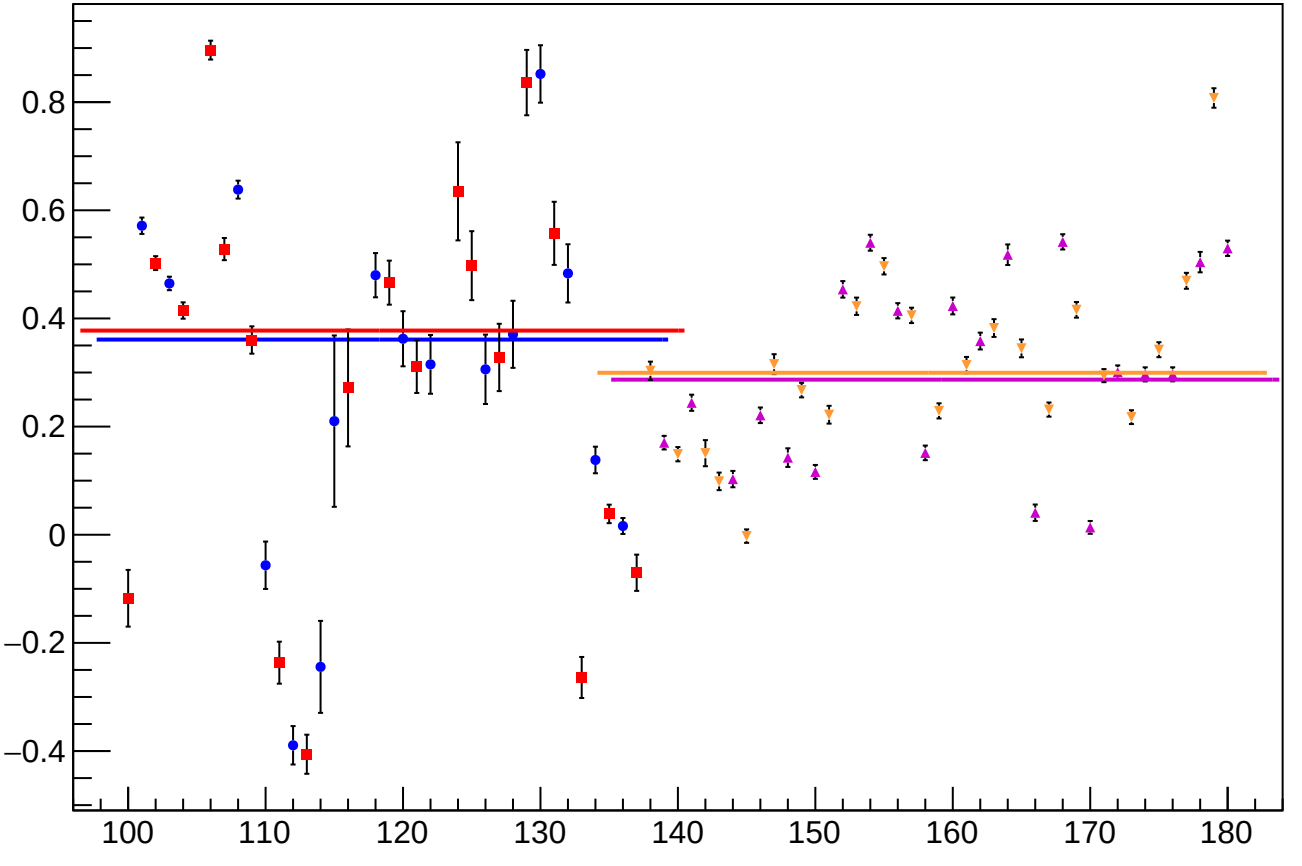
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.621+/-0.063 χ^2/NDF:40503.8/36

Out: -55.305+/-0.062 χ^2/NDF:41214.6/40

All: -54.969+/-0.044 χ^2/NDF: 81778.6/77

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.300+/-0.003 χ^2/NDF:2350.3/21

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.287+/-0.003 χ^2/NDF:2895.5/20

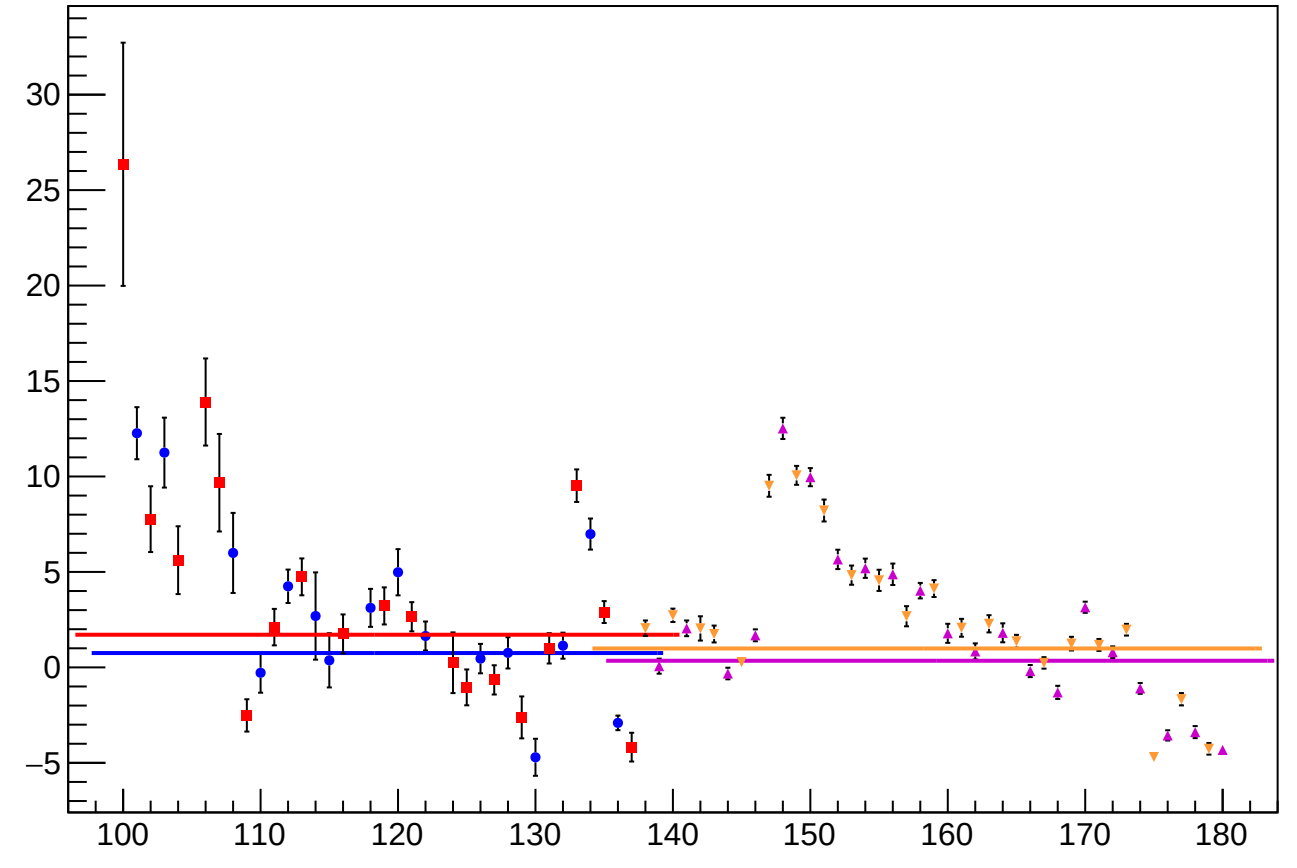
Left: 0.293+/-0.002 χ^2/NDF: 5254.0/42

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.301+/-0.003 χ^2/NDF:4864.6/36

Out: 0.316+/-0.003 χ^2/NDF:5269.2/40

All: 0.309+/-0.002 χ^2/NDF: 10147.7/77



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 0.991+/-0.080 χ^2/NDF:1823.1/21

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.347+/-0.077 χ^2/NDF:2239.4/20

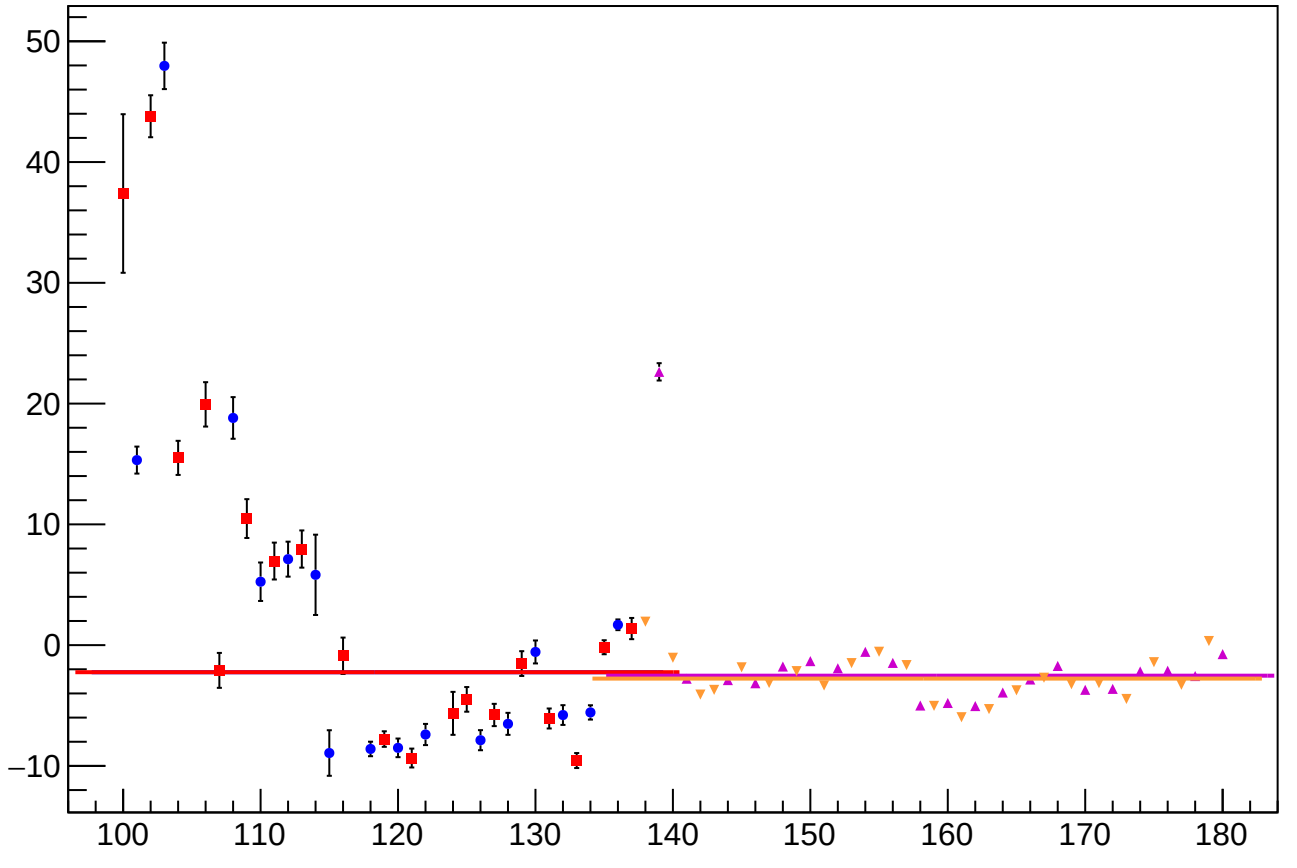
Left: 0.657+/-0.055 χ^2/NDF: 4096.1/42

Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.394+/-0.072 χ^2/NDF:2572.7/36

Out: 1.073+/-0.075 χ^2/NDF:2126.2/40

All: 0.720+/-0.052 χ^2/NDF: 4741.2/77



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.771+/-0.060 χ^2/NDF:742.8/21

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.529+/-0.059 χ^2/NDF:1649.9/20

Left: -2.648+/-0.042 χ^2/NDF: 2400.9/42

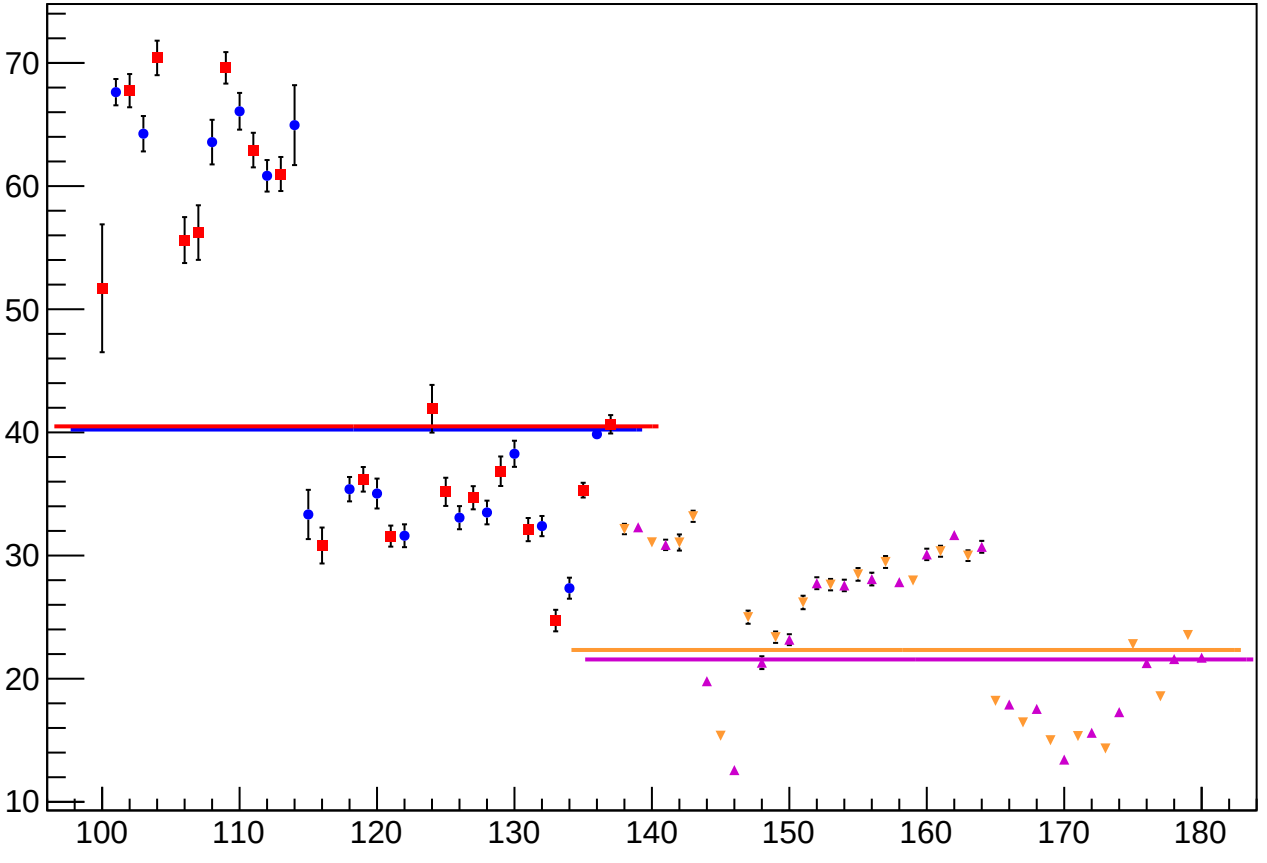
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.509+/-0.057 χ^2/NDF:3224.0/36

Out: -2.737+/-0.058 χ^2/NDF:2303.4/40

All: -2.621+/-0.041 χ^2/NDF: 5535.2/77

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.333+/-0.080 χ^2/NDF:6148.0/21

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.563+/-0.076 χ^2/NDF:5775.5/20

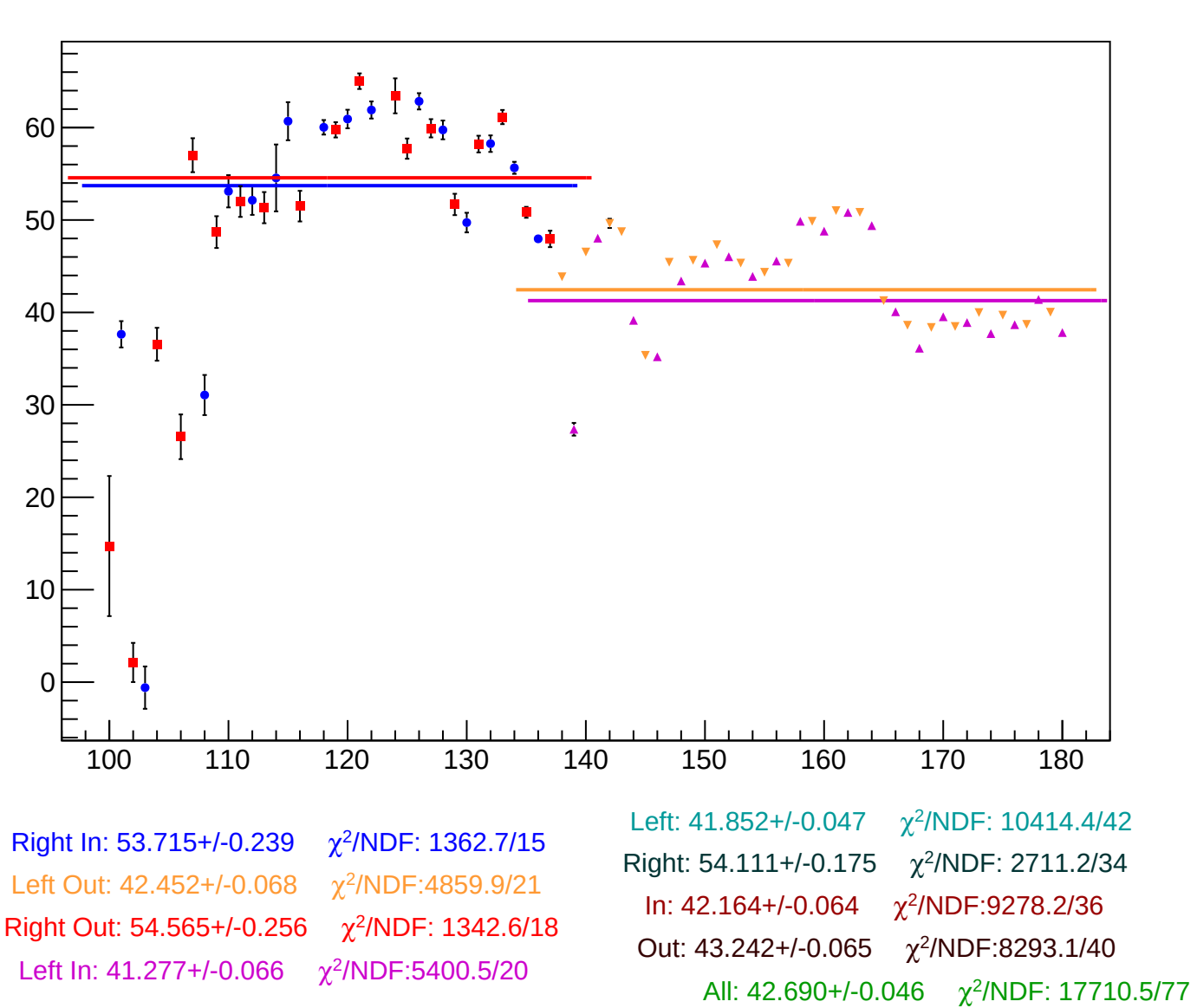
Left: 21.932+/-0.055 χ^2/NDF: 11972.4/42

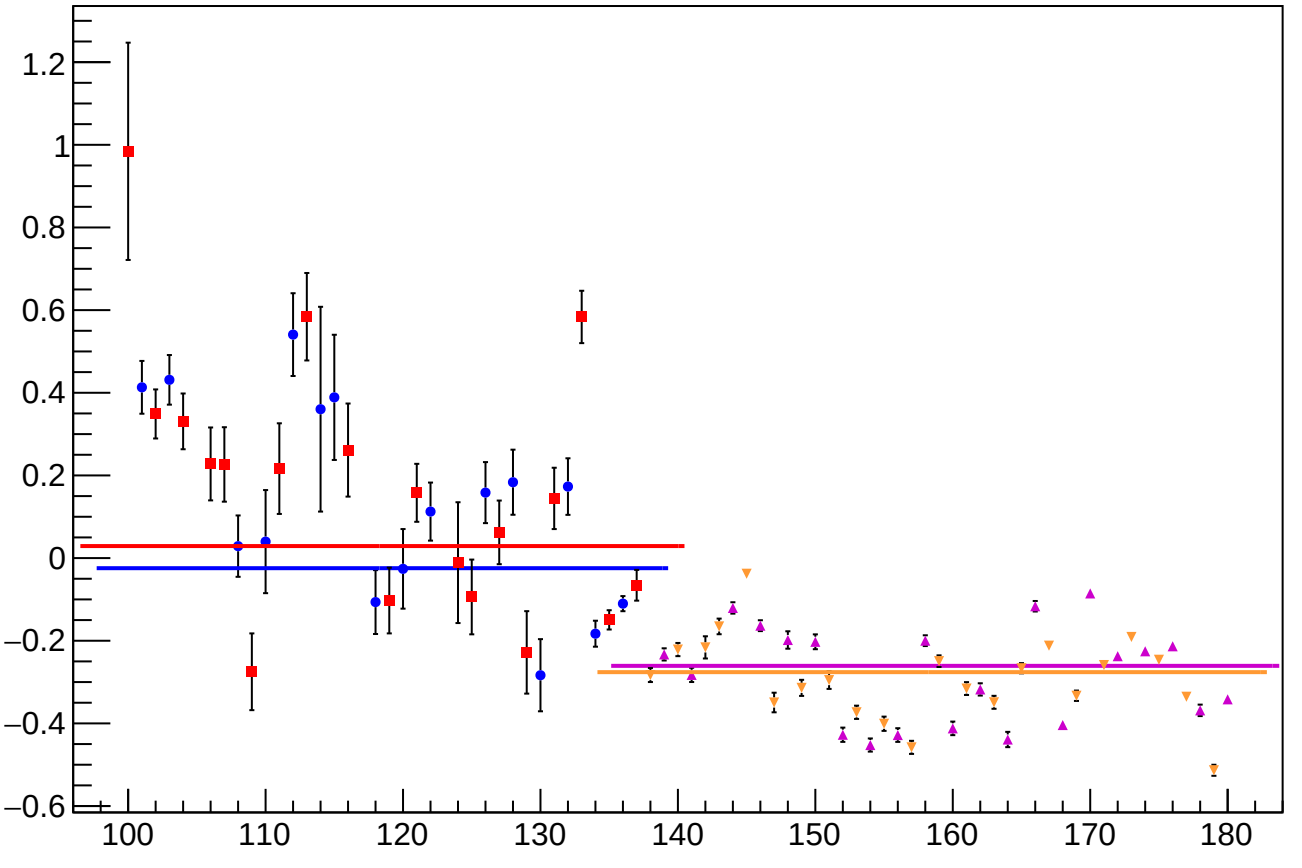
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.395+/-0.073 χ^2/NDF:13935.0/36

Out: 23.996+/-0.076 χ^2/NDF:13621.2/40

All: 23.682+/-0.052 χ^2/NDF: 27589.0/77


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 53.715+/-0.239 χ²/NDF: 1362.7/15
Left Out: 42.452+/-0.068 χ²/NDF:4859.9/21
Right Out: 54.565+/-0.256 χ²/NDF: 1342.6/18
Left In: 41.277+/-0.066 χ²/NDF:5400.5/20
Left: 41.852+/-0.047 χ²/NDF: 10414.4/42
Right: 54.111+/-0.175 χ²/NDF: 2711.2/34
In: 42.164+/-0.064 χ²/NDF:9278.2/36
Out: 43.242+/-0.065 χ²/NDF:8293.1/40
All: 42.690+/-0.046 χ²/NDF: 17710.5/77



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.276+/-0.003 χ^2/NDF:1268.7/21

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.261+/-0.003 χ^2/NDF:1466.9/20

Left: -0.268+/-0.002 χ^2/NDF: 2748.7/42

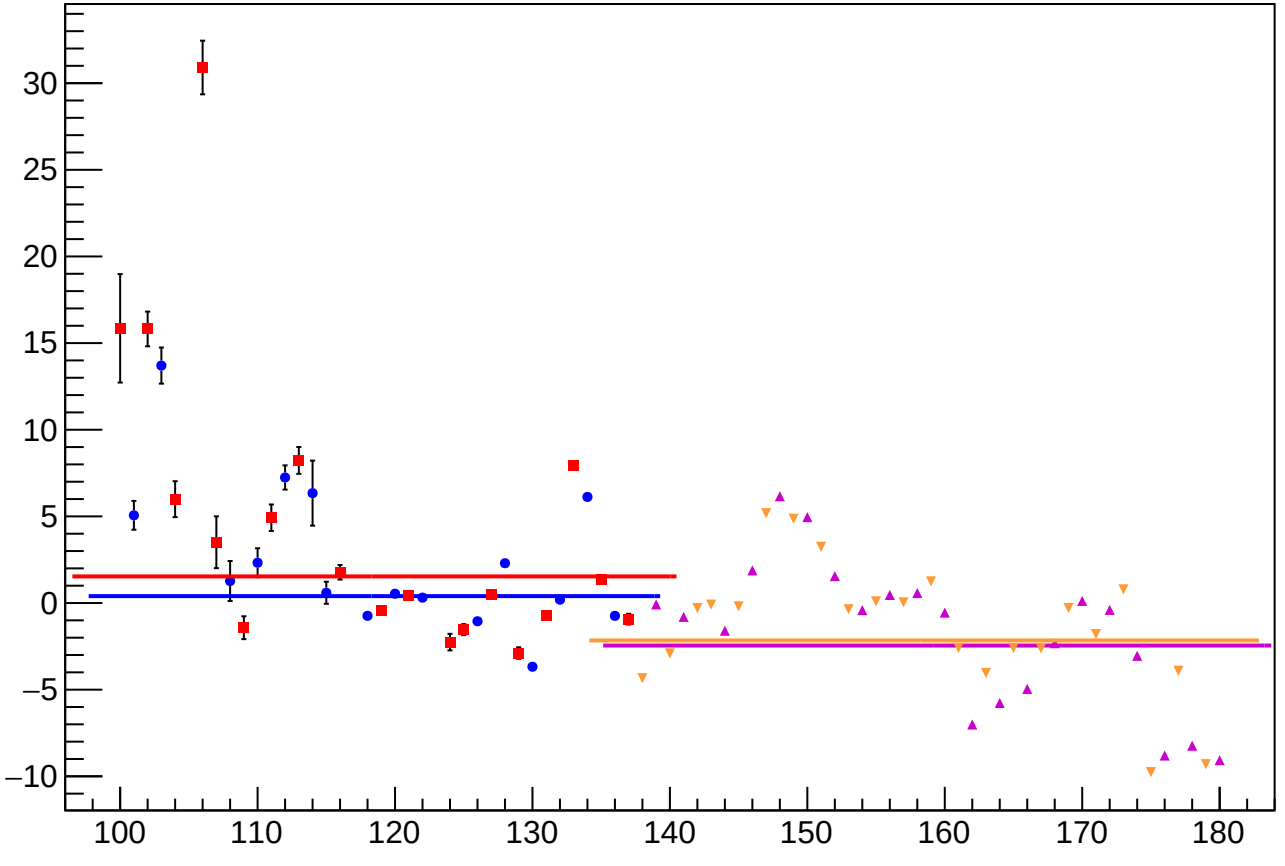
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.249+/-0.003 χ^2/NDF:2020.2/36

Out: -0.263+/-0.003 χ^2/NDF:1983.8/40

All: -0.256+/-0.002 χ^2/NDF: 4015.6/77

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.158+/-0.031 χ^2/NDF:16071.4/21

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -2.453+/-0.030 χ^2/NDF:19127.5/20

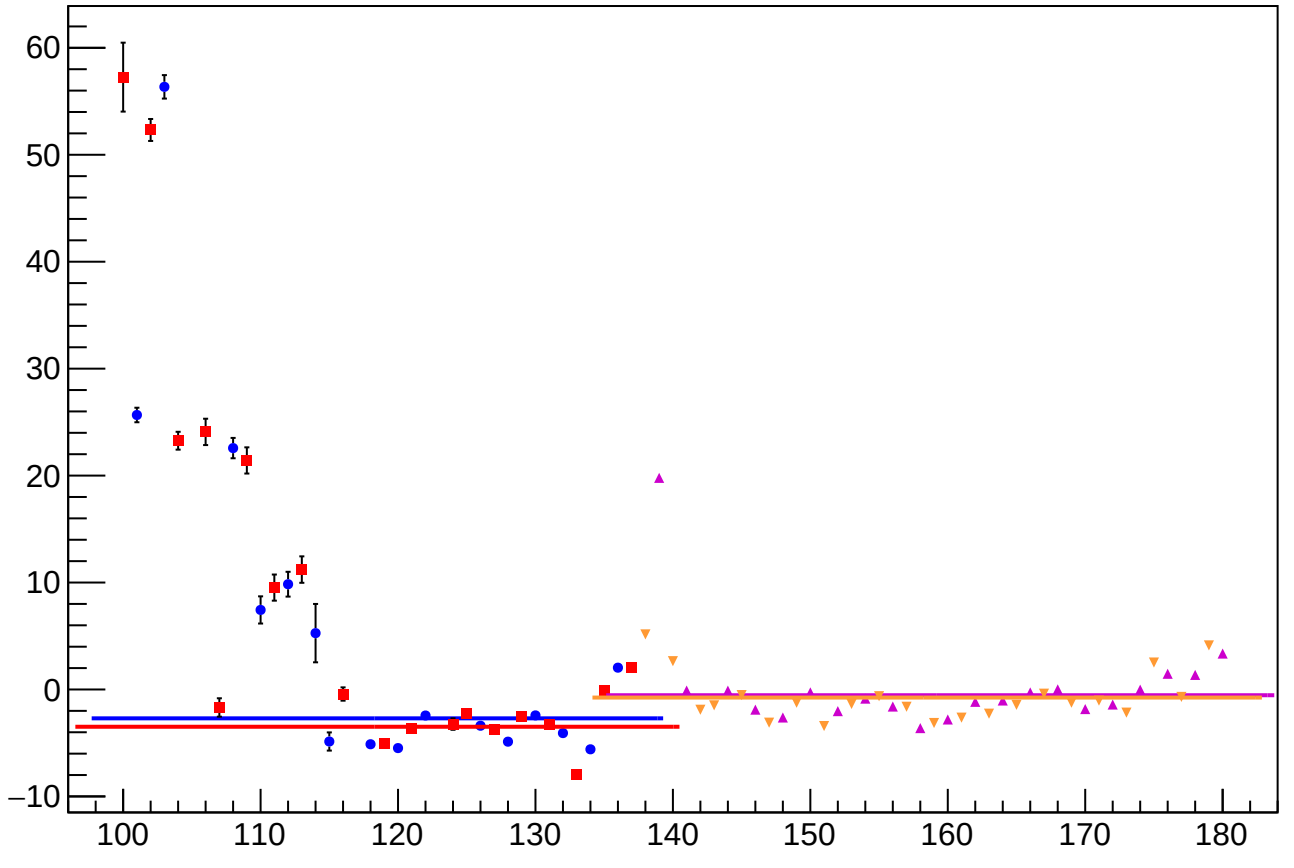
Left: -2.310+/-0.022 χ^2/NDF: 35245.5/42

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -2.075+/-0.028 χ^2/NDF:21412.3/36

Out: -1.659+/-0.029 χ^2/NDF:20413.4/40

All: -1.872+/-0.020 χ^2/NDF: 41933.3/77



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.756+/-0.023 χ^2/NDF:7742.0/21

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.538+/-0.023 χ^2/NDF:11093.3/20

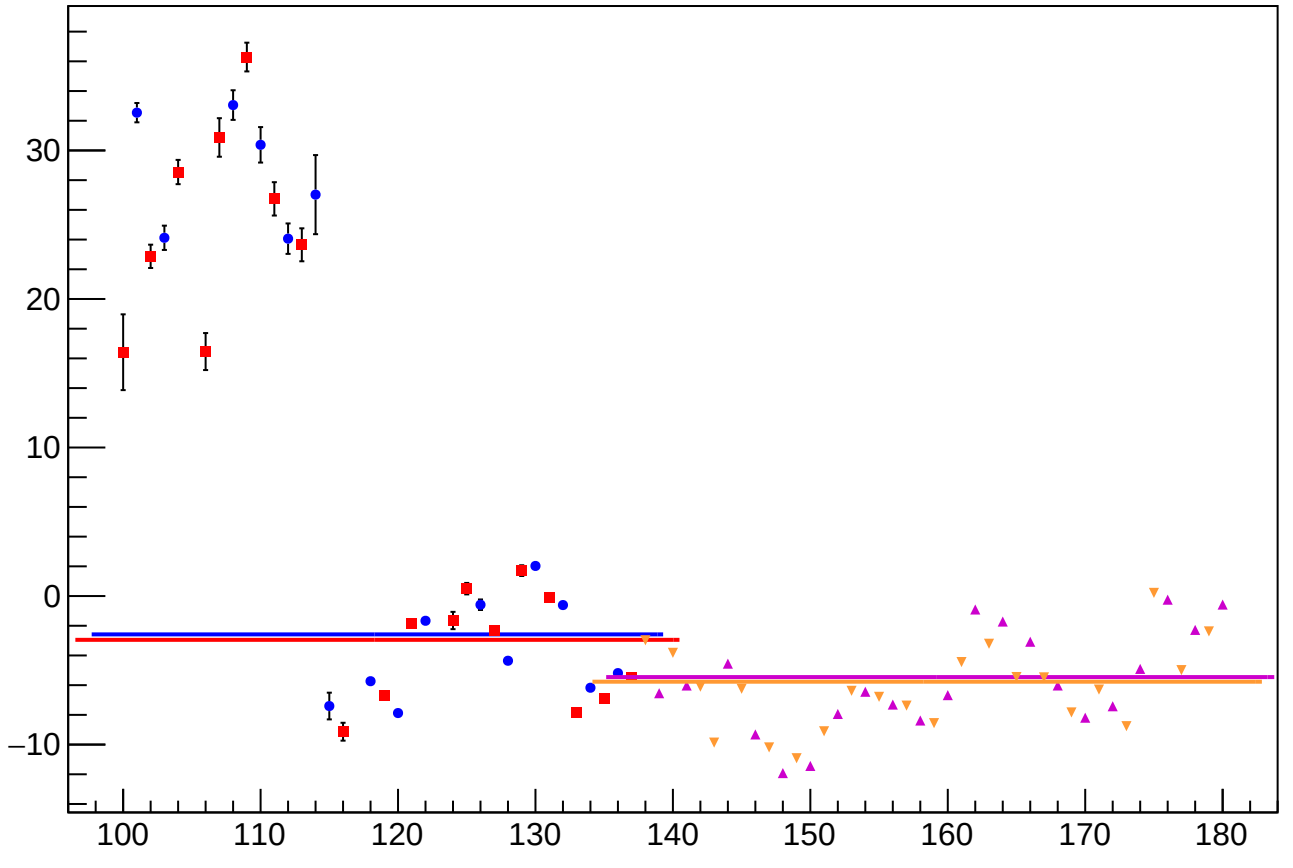
Left: -0.647+/-0.016 χ^2/NDF: 18879.7/42

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.746+/-0.022 χ^2/NDF:19040.7/36

Out: -1.020+/-0.022 χ^2/NDF:16242.0/40

All: -0.882+/-0.016 χ^2/NDF: 35360.9/77



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.767+/-0.031 χ^2/NDF:9355.7/21

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -5.456+/-0.030 χ^2/NDF:12649.6/20

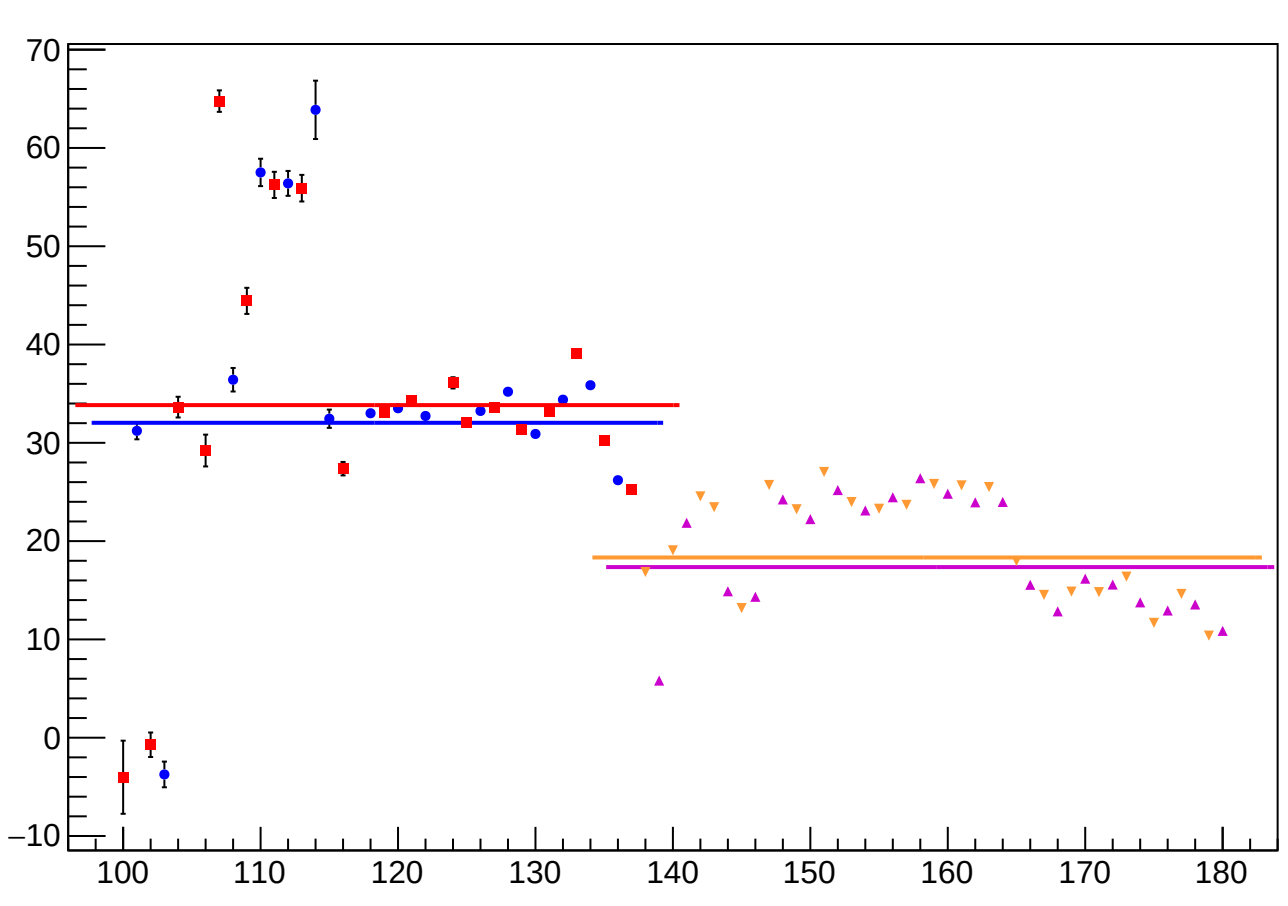
Left: -5.607+/-0.021 χ^2/NDF: 22057.7/42

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.126+/-0.028 χ^2/NDF:21868.6/36

Out: -5.440+/-0.029 χ^2/NDF:18525.7/40

All: -5.279+/-0.020 χ^2/NDF: 40455.0/77



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.336+/-0.026 χ^2/NDF:40107.0/21

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.358+/-0.026 χ^2/NDF:36730.7/20

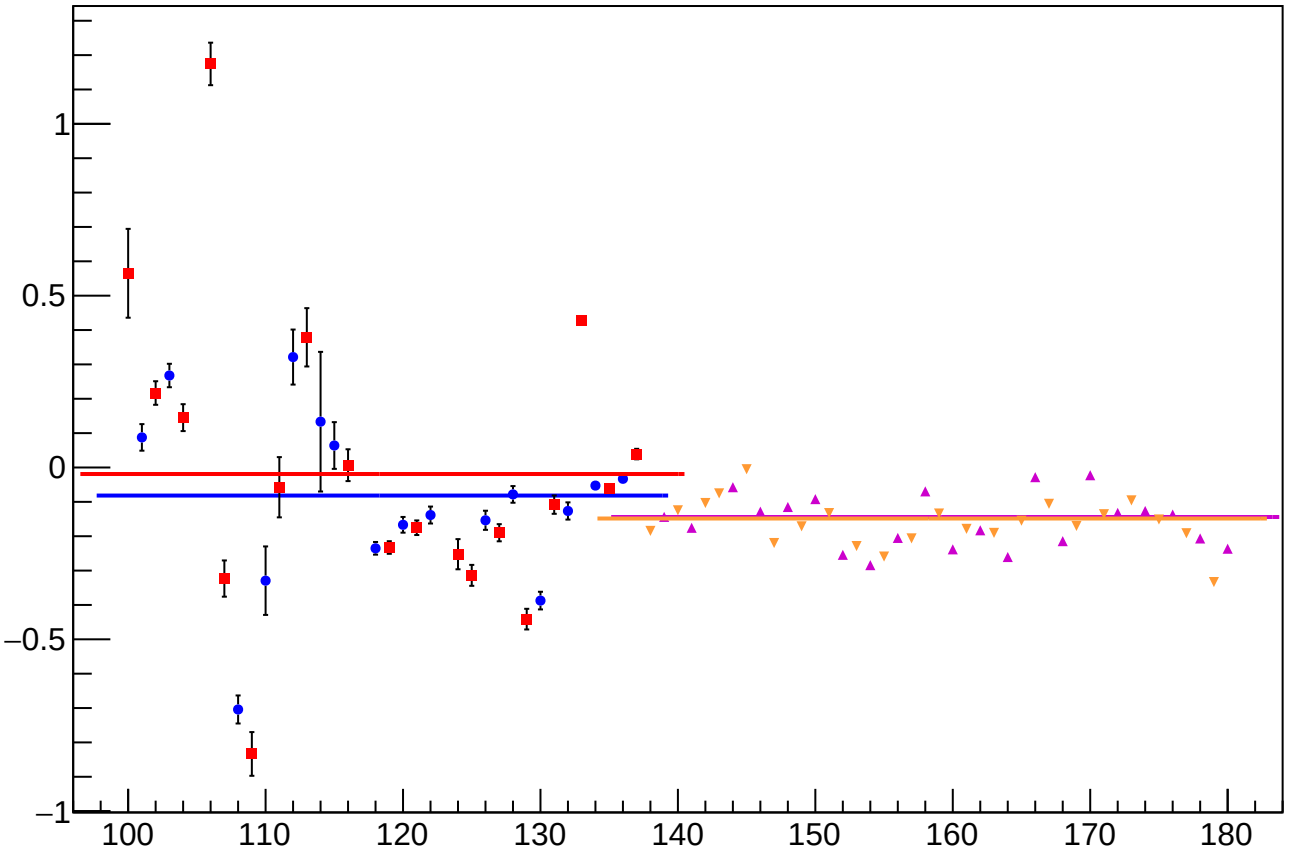
Left: 17.842+/-0.018 χ^2/NDF: 77541.1/42

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 18.715+/-0.025 χ^2/NDF:69585.3/36

Out: 19.785+/-0.025 χ^2/NDF:77043.6/40

All: 19.245+/-0.018 χ^2/NDF: 147556.8/77



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.148+/-0.001 χ^2/NDF:3593.9/21

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.144+/-0.001 χ^2/NDF:4104.4/20

Left: -0.146+/-0.001 χ^2/NDF: 7705.4/42

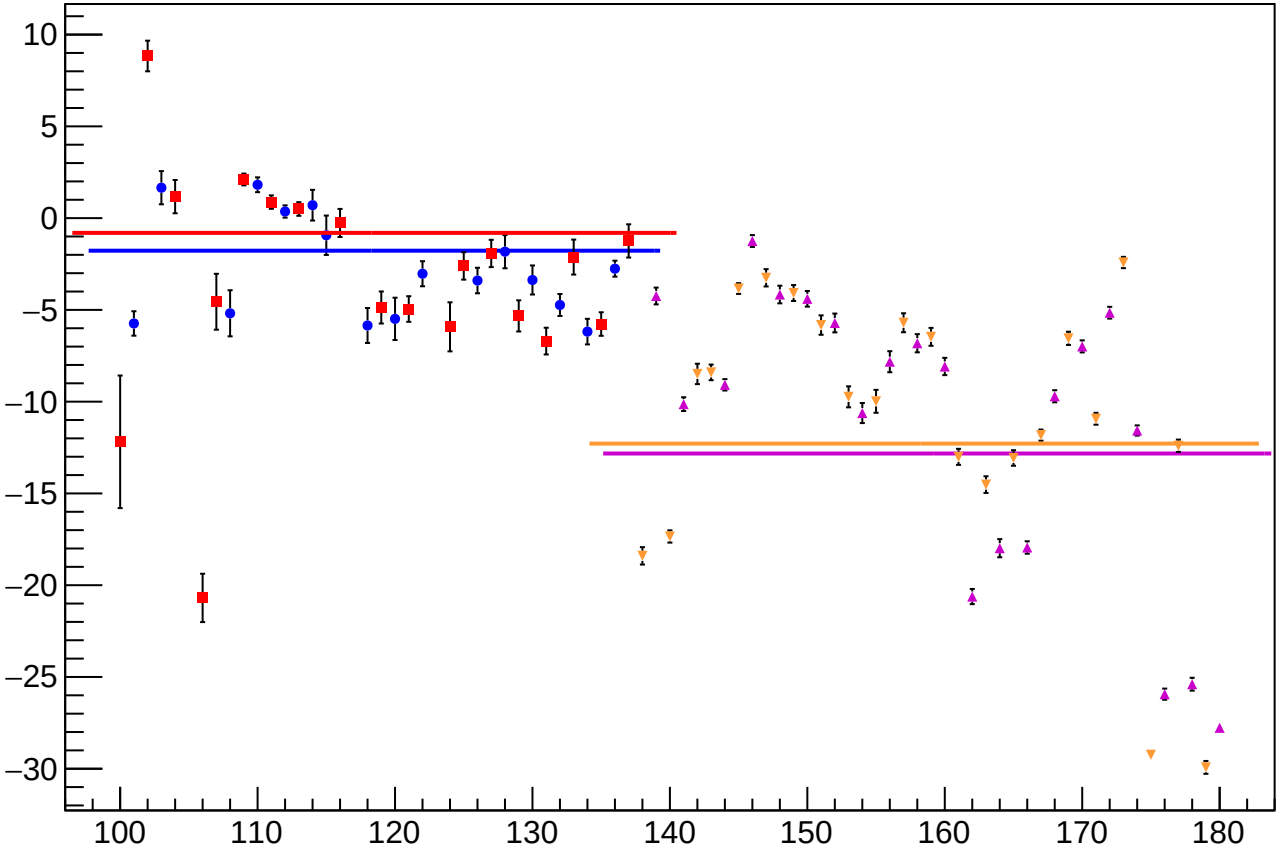
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.141+/-0.001 χ^2/NDF:4951.6/36

Out: -0.142+/-0.001 χ^2/NDF:6457.8/40

All: -0.141+/-0.001 χ^2/NDF: 11410.3/77

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: -12.285+/-0.083 χ^2/NDF:10365.3/21

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -12.824+/-0.081 χ^2/NDF:11026.2/20

Left: -12.562+/-0.058 χ^2/NDF: 21413.3/42

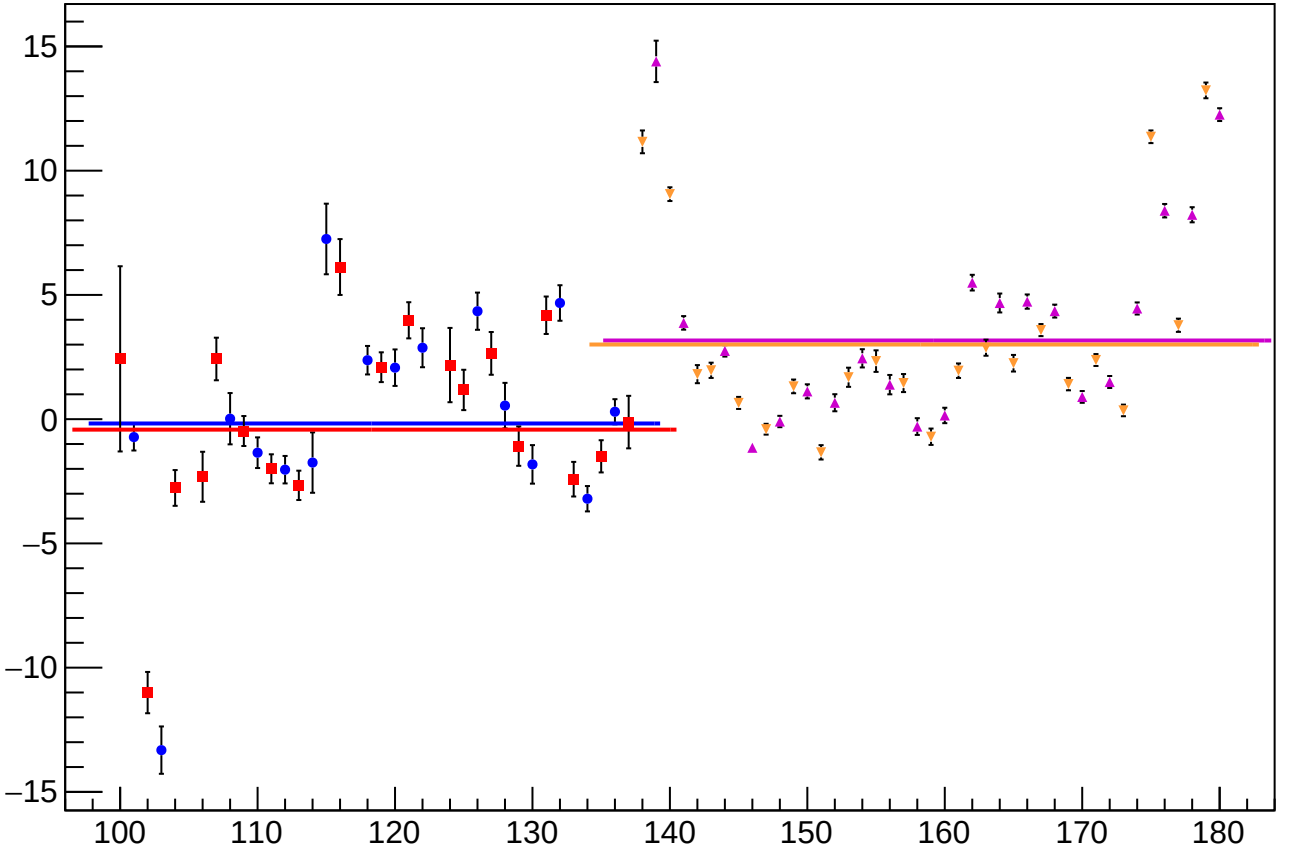
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -10.512+/-0.072 χ^2/NDF:15234.4/36

Out: -9.551+/-0.072 χ^2/NDF:15665.1/40

All: -10.035+/-0.051 χ^2/NDF: 30988.3/77

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.004+/-0.061 χ^2/NDF:3903.2/21

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 3.166+/-0.061 χ^2/NDF:3392.4/20

Left: 3.085+/-0.043 χ^2/NDF: 7299.1/42

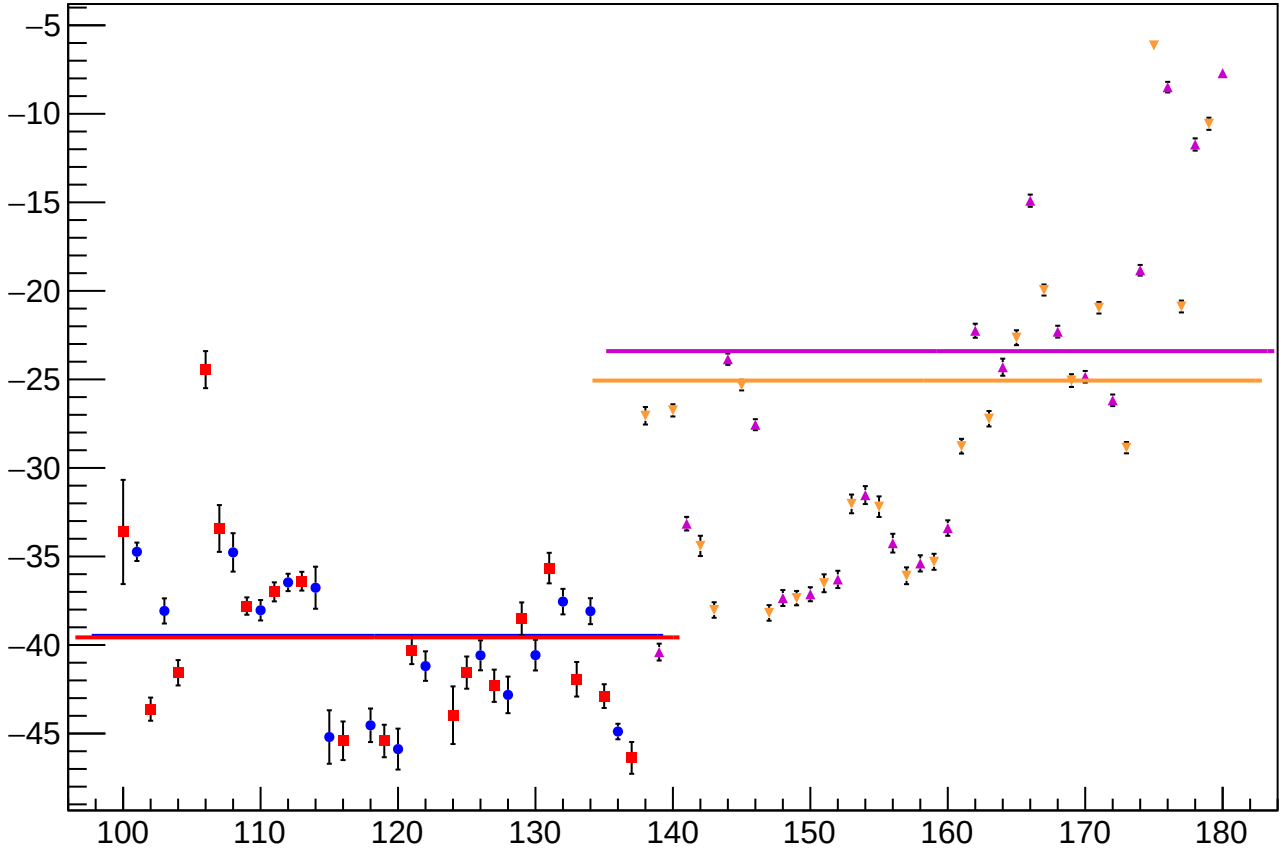
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 2.796+/-0.058 χ^2/NDF:4126.9/36

Out: 2.638+/-0.058 χ^2/NDF:4603.2/40

All: 2.718+/-0.041 χ^2/NDF: 8733.9/77

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: -25.065+/-0.082 χ^2/NDF:12403.3/21

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -23.403+/-0.080 χ^2/NDF:14843.0/20

Left: -24.213+/-0.057 χ^2/NDF: 27455.3/42

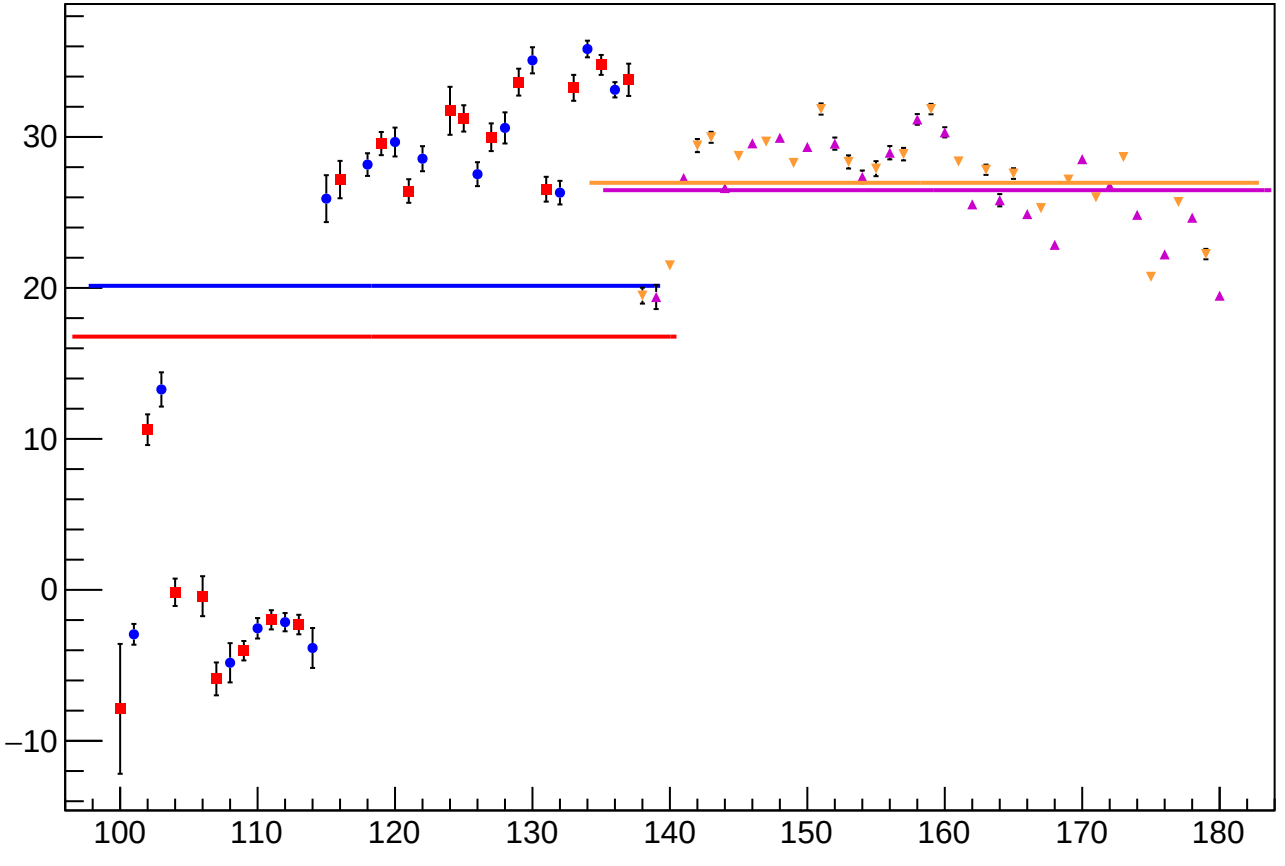
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -26.065+/-0.073 χ^2/NDF:21895.7/36

Out: -27.551+/-0.075 χ^2/NDF:18279.2/40

All: -26.792+/-0.052 χ^2/NDF: 40375.8/77

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: 26.965+/-0.069 χ^2/NDF:1998.8/21

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.474+/-0.069 χ^2/NDF:2028.4/20

Left: 26.717+/-0.049 χ^2/NDF: 4052.4/42

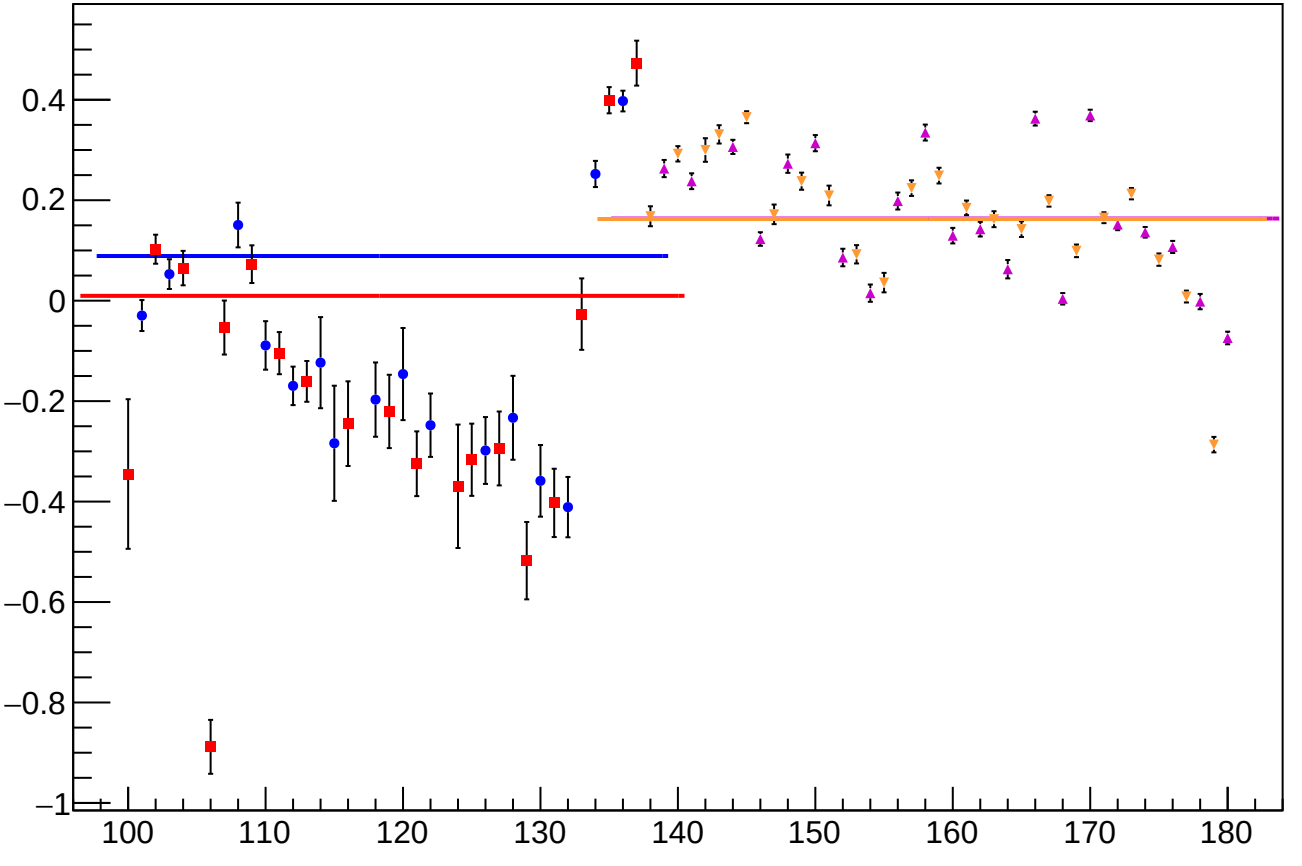
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.771+/-0.065 χ^2/NDF:9653.9/36

Out: 25.866+/-0.066 χ^2/NDF:11060.6/40

All: 25.818+/-0.046 χ^2/NDF: 20715.6/77

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: 0.163+/-0.003 χ^2/NDF:1730.4/21

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.164+/-0.003 χ^2/NDF:1775.1/20

Left: 0.163+/-0.002 χ^2/NDF: 3505.5/42

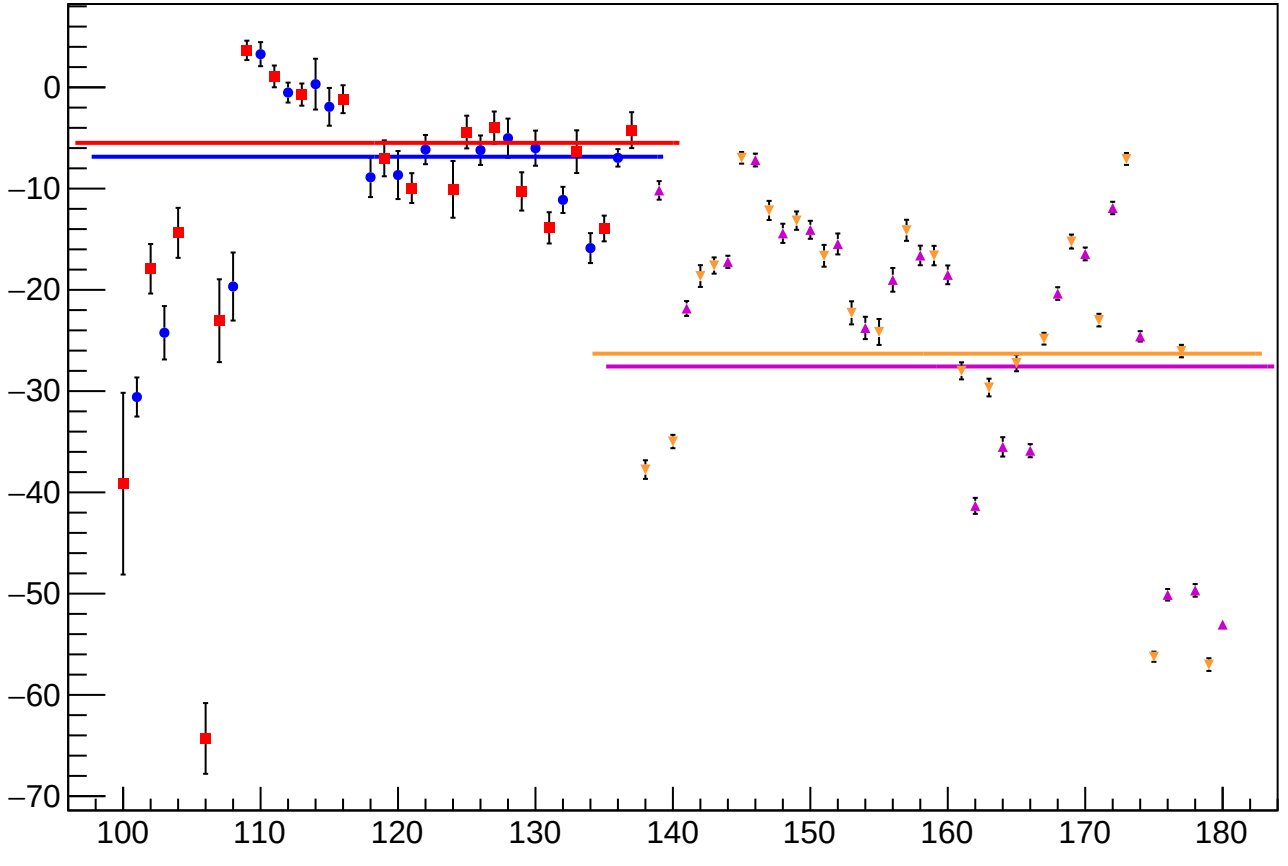
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.158+/-0.003 χ^2/NDF:2386.3/36

Out: 0.151+/-0.003 χ^2/NDF:2743.6/40

All: 0.154+/-0.002 χ^2/NDF: 5132.2/77

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -26.300+/-0.159 χ^2/NDF:9692.1/21

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -27.567+/-0.155 χ^2/NDF:9815.2/20

Left: -26.953+/-0.111 χ^2/NDF: 19539.8/42

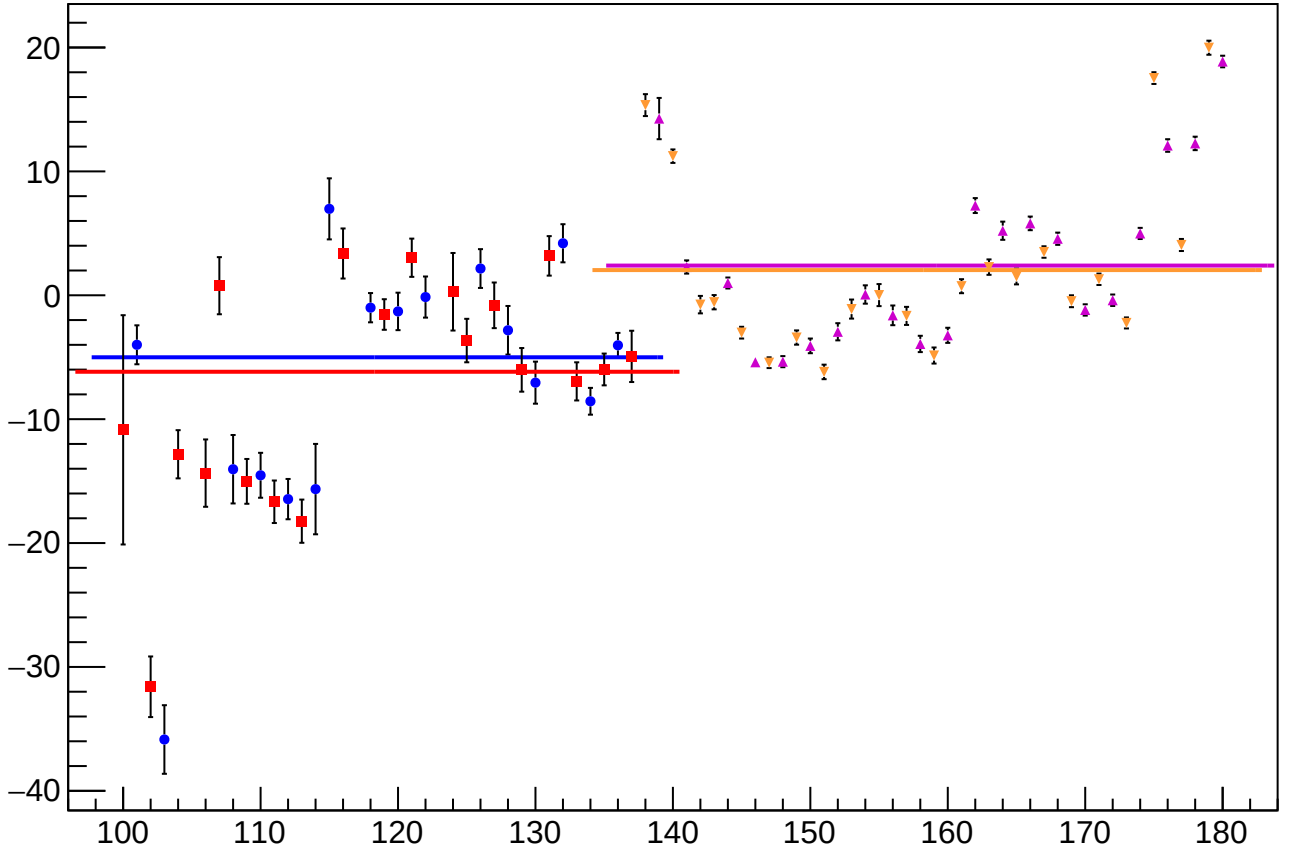
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -24.564+/-0.143 χ^2/NDF:12805.7/36

Out: -23.028+/-0.146 χ^2/NDF:12981.2/40

All: -23.813+/-0.102 χ^2/NDF: 25843.2/77

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.034+/-0.119 χ^2/NDF:3621.8/21

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 2.397+/-0.117 χ^2/NDF:3382.6/20

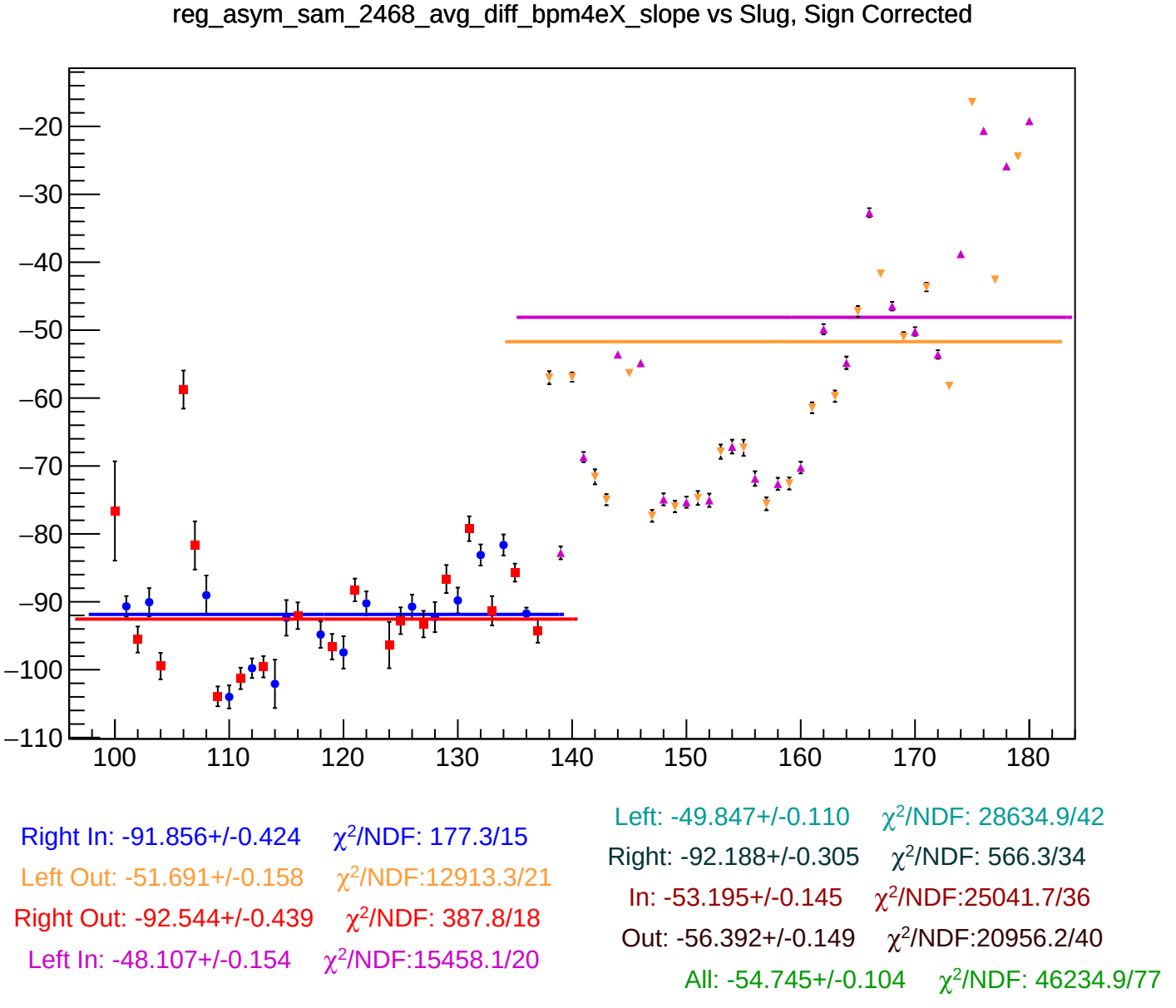
Left: 2.217+/-0.083 χ^2/NDF: 7009.2/42

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

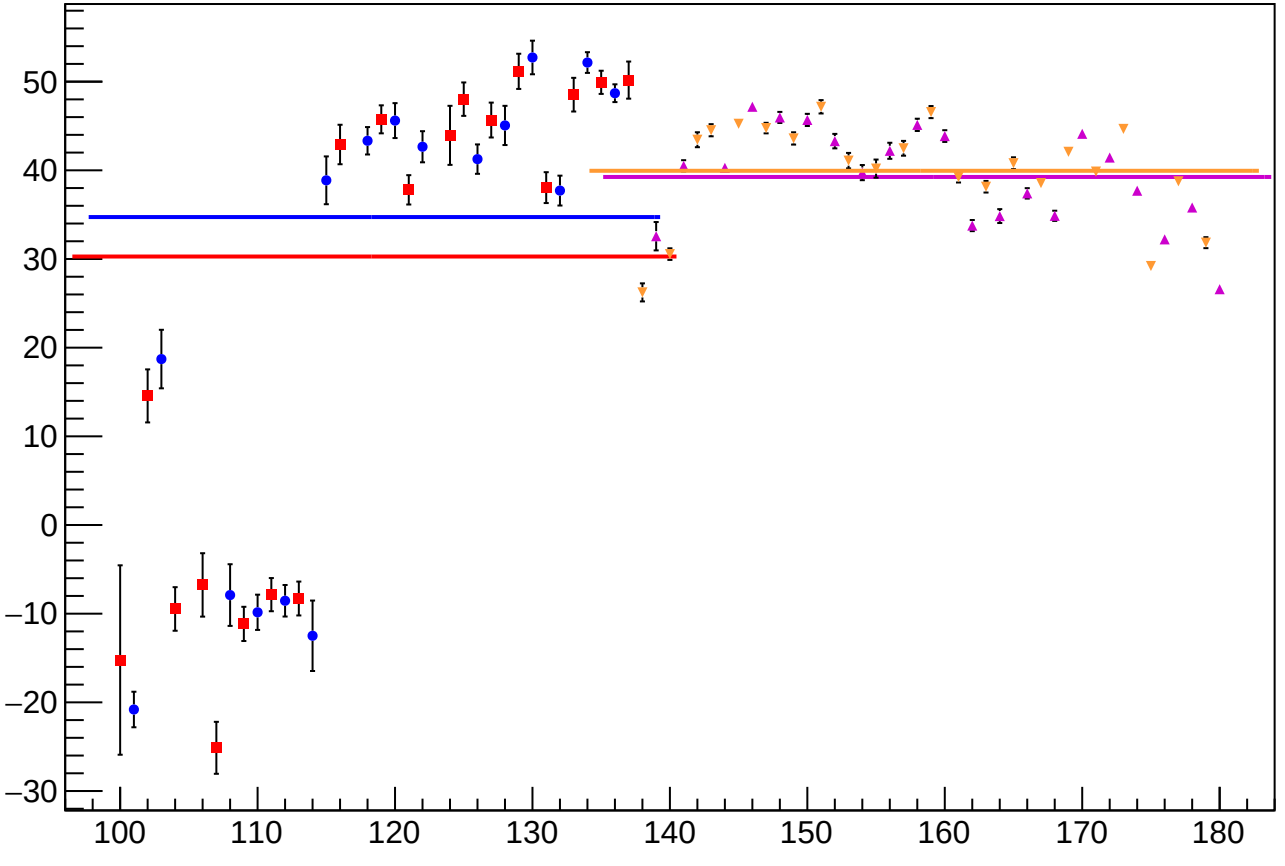
In: 1.798+/-0.113 χ^2/NDF:4046.5/36

Out: 1.419+/-0.114 χ^2/NDF:4350.1/40

All: 1.611+/-0.080 χ^2/NDF: 8402.2/77


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
180
Right In: -91.856+/-0.424 χ2/NDF: 177.3/15
Left Out: -51.691+/-0.158 χ2/NDF:12913.3/21
Right Out: -92.544+/-0.439 χ2/NDF: 387.8/18
Left In: -48.107+/-0.154 χ2/NDF:15458.1/20
Left: -49.847+/-0.110 χ2/NDF: 28634.9/42
Right: -92.188+/-0.305 χ2/NDF: 566.3/34
In: -53.195+/-0.145 χ2/NDF:25041.7/36
Out: -56.392+/-0.149 χ2/NDF:20956.2/40
All: -54.745+/-0.104 χ2/NDF: 46234.9/77

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: 39.948+/-0.134 χ^2/NDF:1608.6/21

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.251+/-0.132 χ^2/NDF:1824.7/20

Left: 39.595+/-0.094 χ^2/NDF: 3447.1/42

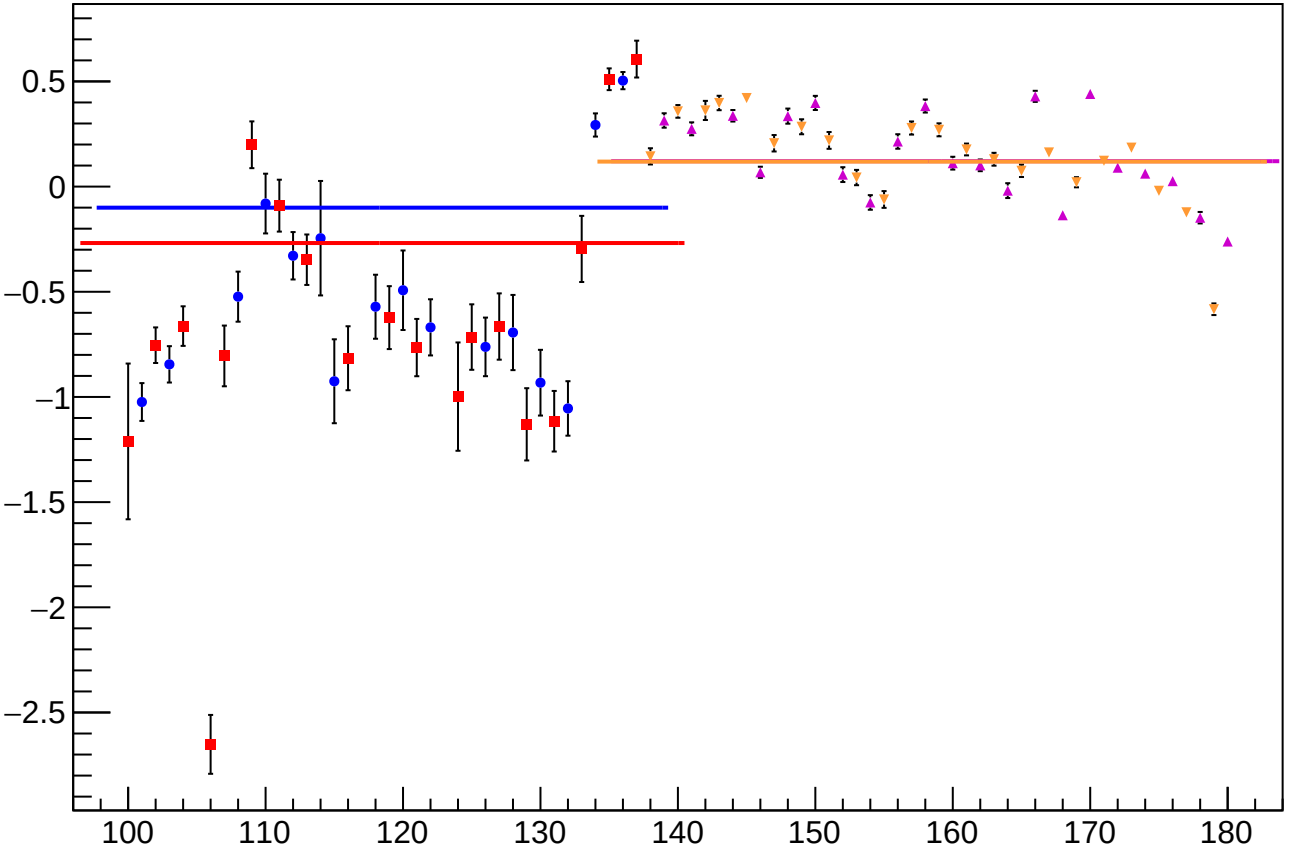
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 38.879+/-0.127 χ^2/NDF:4729.9/36

Out: 39.214+/-0.129 χ^2/NDF:4915.8/40

All: 39.044+/-0.090 χ^2/NDF: 9649.1/77

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.119+/-0.006 χ^2/NDF:1269.4/21

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.121+/-0.006 χ^2/NDF:1249.9/20

Left: 0.120+/-0.004 χ^2/NDF: 2519.4/42

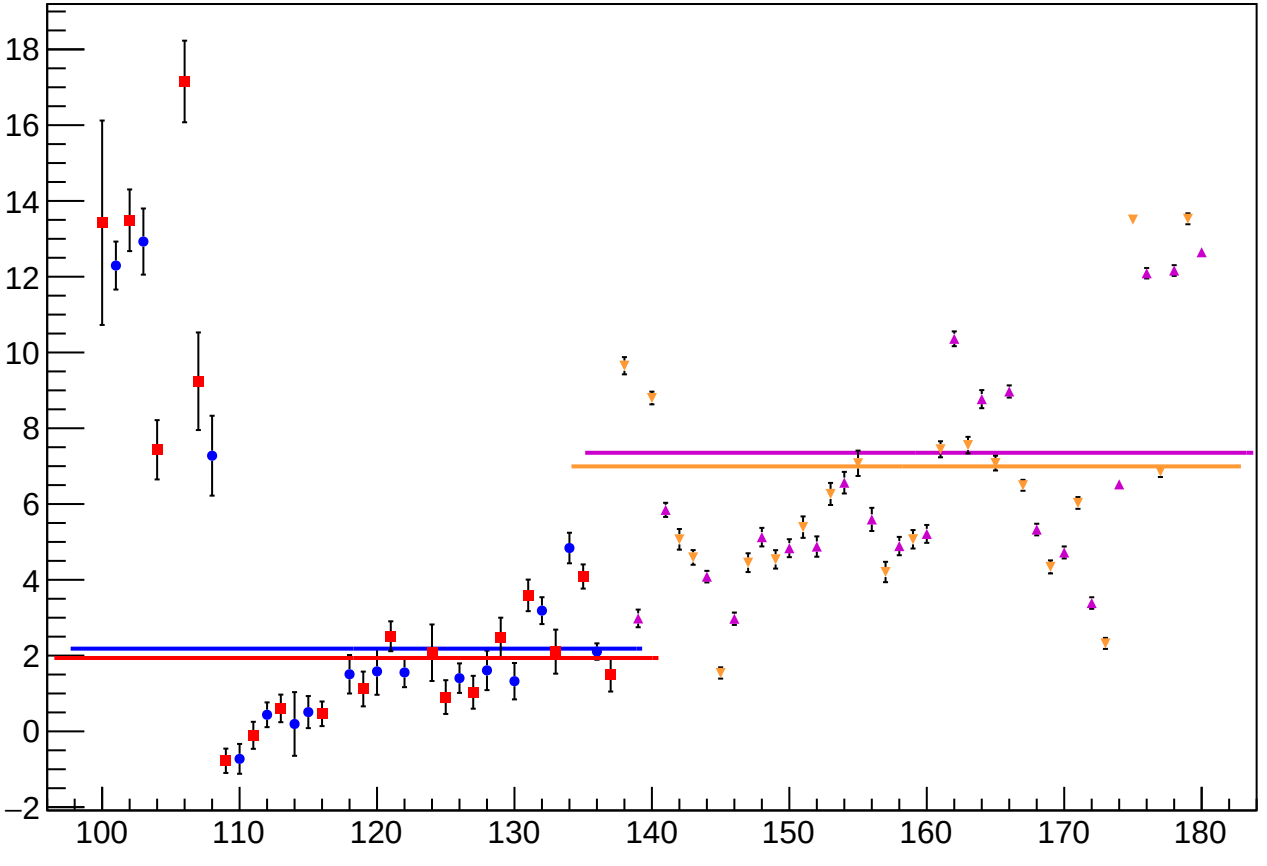
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.108+/-0.006 χ^2/NDF:1961.1/36

Out: 0.100+/-0.006 χ^2/NDF:2297.0/40

All: 0.104+/-0.004 χ^2/NDF: 4259.2/77

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 6.994+/-0.039 χ^2/NDF:8504.7/21

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 7.353+/-0.038 χ^2/NDF:8170.3/20

Left: 7.179+/-0.027 χ^2/NDF: 16717.7/42

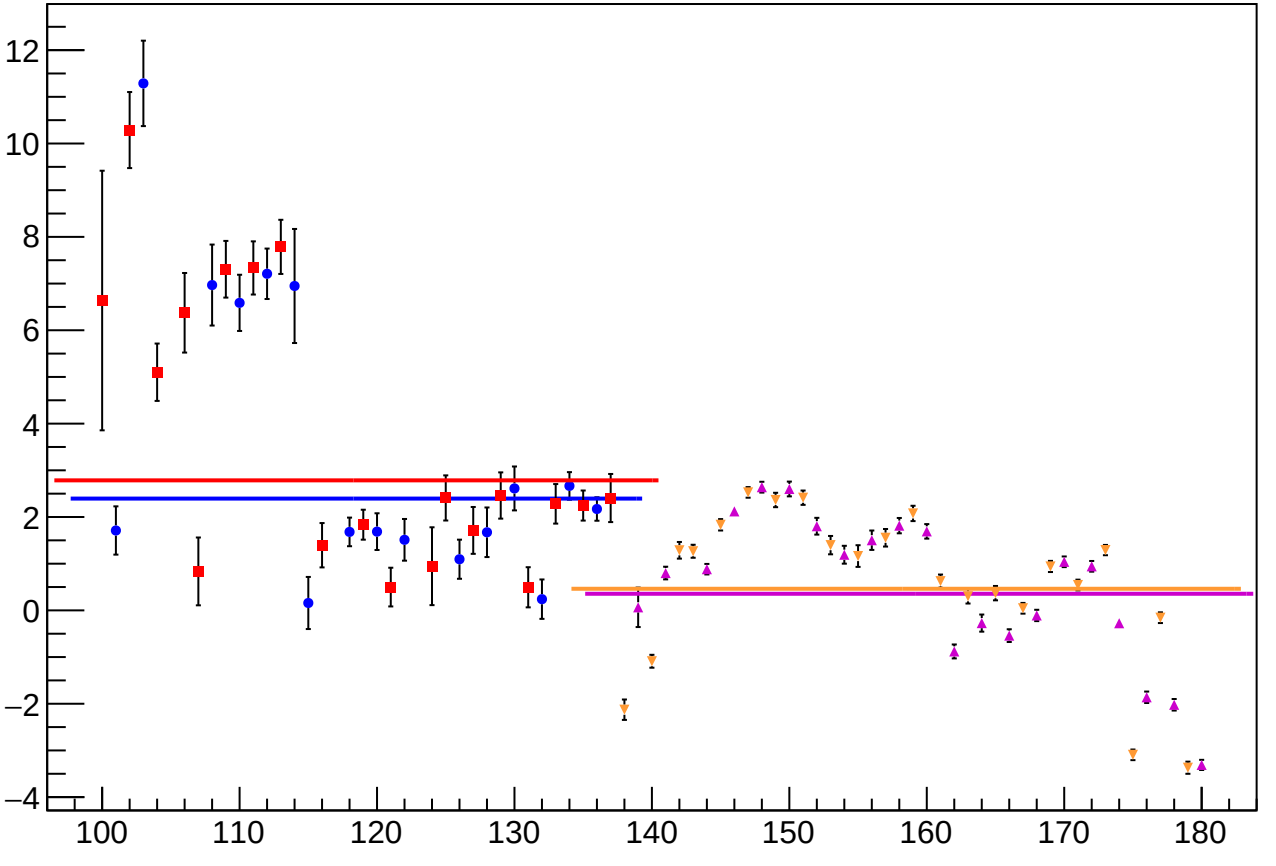
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 6.750+/-0.036 χ^2/NDF:10911.1/36

Out: 6.372+/-0.037 χ^2/NDF:11238.1/40

All: 6.567+/-0.026 χ^2/NDF: 22203.1/77

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.463+/-0.030 χ^2/NDF:3212.3/21

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.356+/-0.029 χ^2/NDF:3306.3/20

Left: 0.409+/-0.021 χ^2/NDF: 6525.2/42

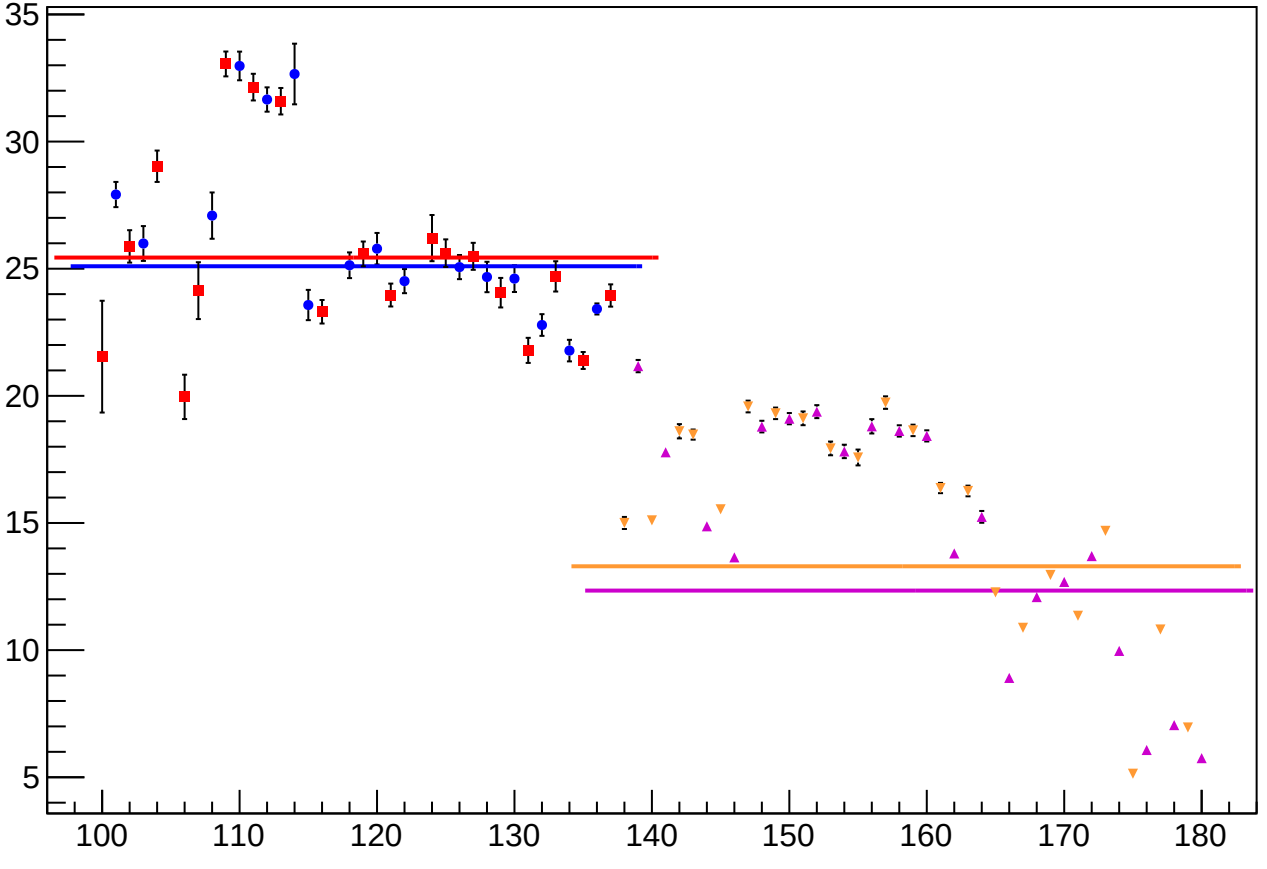
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.494+/-0.028 χ^2/NDF:3970.3/36

Out: 0.605+/-0.029 χ^2/NDF:4000.1/40

All: 0.548+/-0.020 χ^2/NDF: 7978.1/77

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: 13.297+/-0.039 χ^2/NDF:12854.4/21

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 12.341+/-0.038 χ^2/NDF:15479.2/20

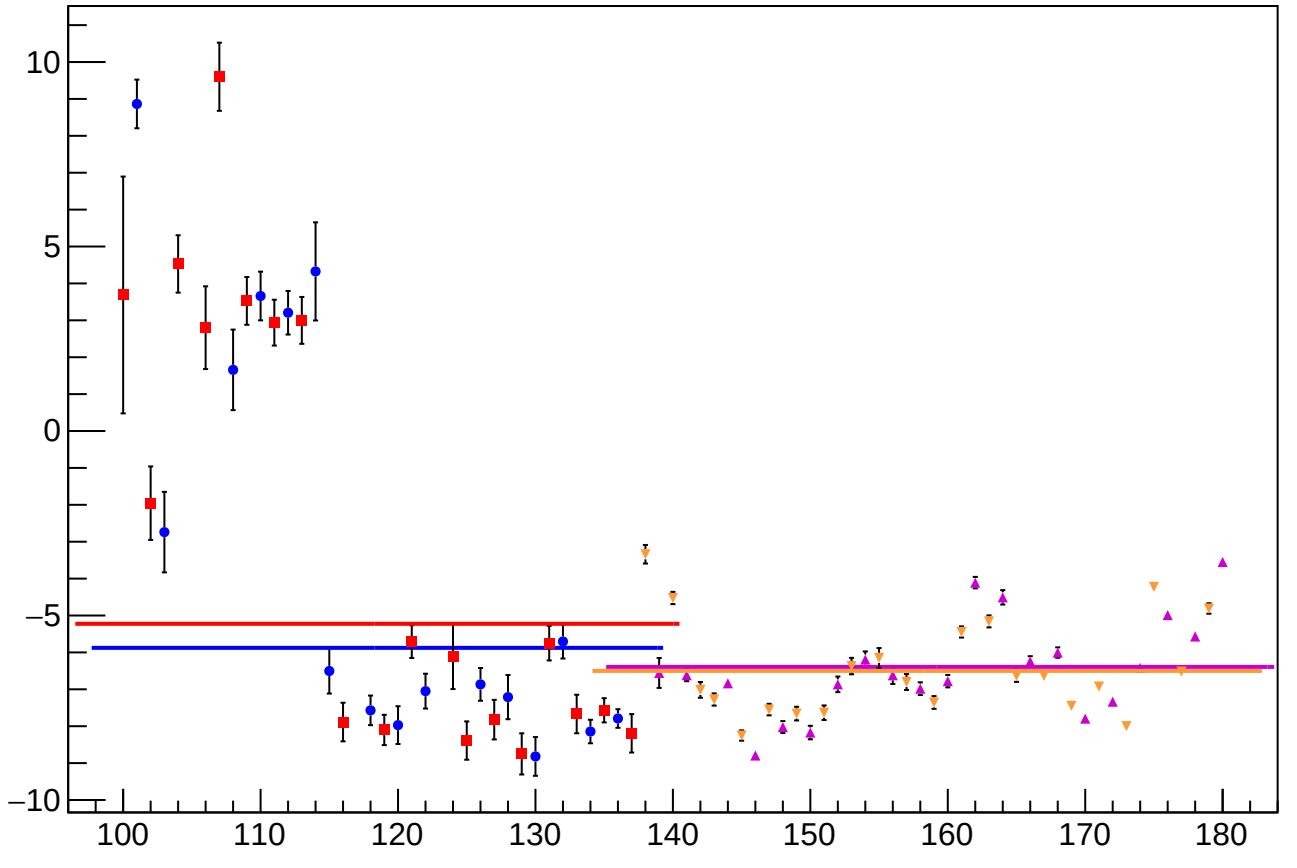
Left: 12.803+/-0.027 χ^2/NDF: 28639.4/42

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 13.547+/-0.036 χ^2/NDF:26765.0/36

Out: 14.404+/-0.037 χ^2/NDF:22441.5/40

All: 13.960+/-0.026 χ^2/NDF: 49477.4/77



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.501+/-0.033 χ^2/NDF:1474.7/21

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.393+/-0.033 χ^2/NDF:1901.7/20

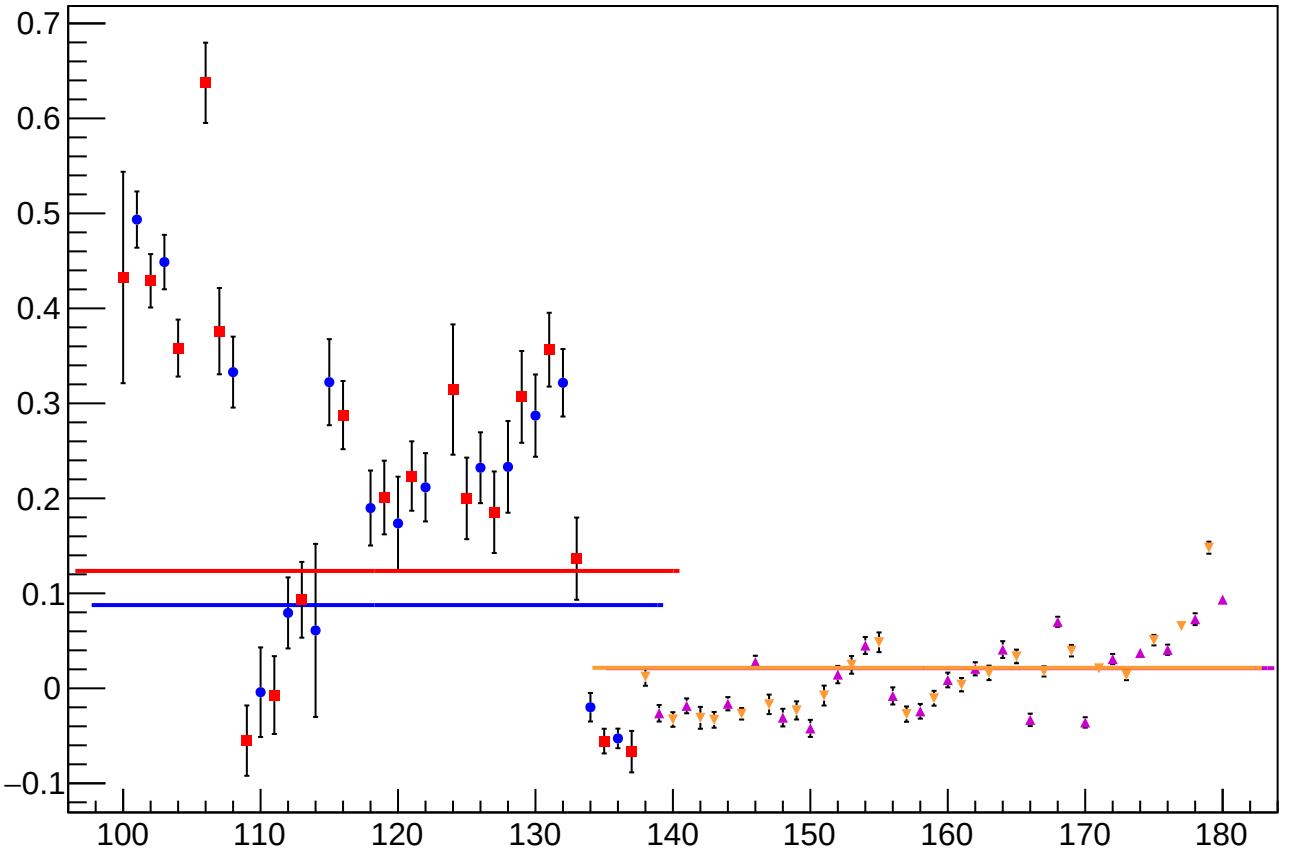
Left: -6.446+/-0.023 χ^2/NDF: 3381.7/42

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.358+/-0.032 χ^2/NDF:3170.2/36

Out: -6.422+/-0.032 χ^2/NDF:2857.9/40

All: -6.389+/-0.023 χ^2/NDF: 6030.1/77



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.022+/-0.001 χ^2/NDF:803.1/21

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.021+/-0.001 χ^2/NDF:768.3/20

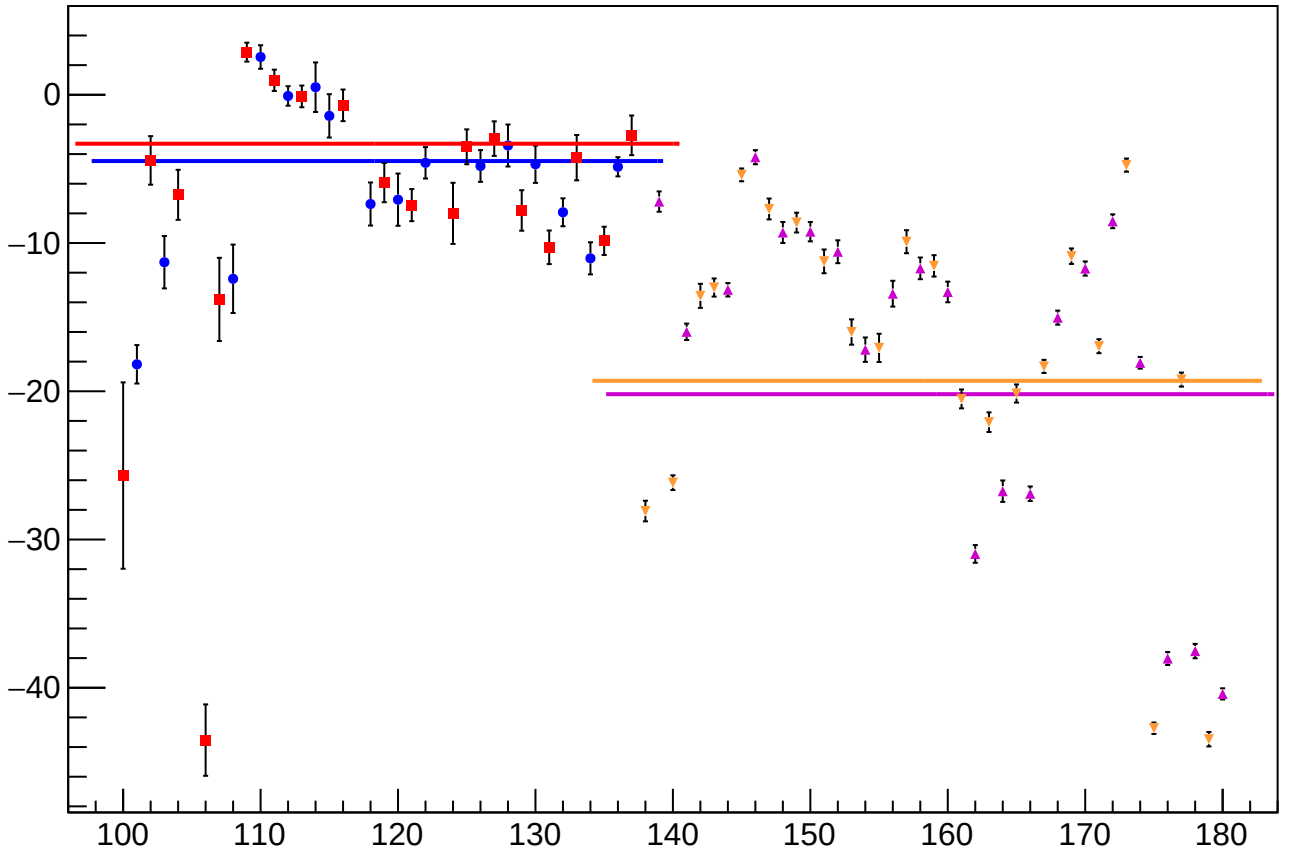
Left: 0.021+/-0.001 χ^2/NDF: 1571.5/42

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.024+/-0.001 χ^2/NDF:1633.1/36

Out: 0.026+/-0.001 χ^2/NDF:1751.3/40

All: 0.025+/-0.001 χ^2/NDF: 3384.8/77



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -19.293+/-0.121 χ^2/NDF:9970.4/21

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -20.196+/-0.117 χ^2/NDF:10271.1/20

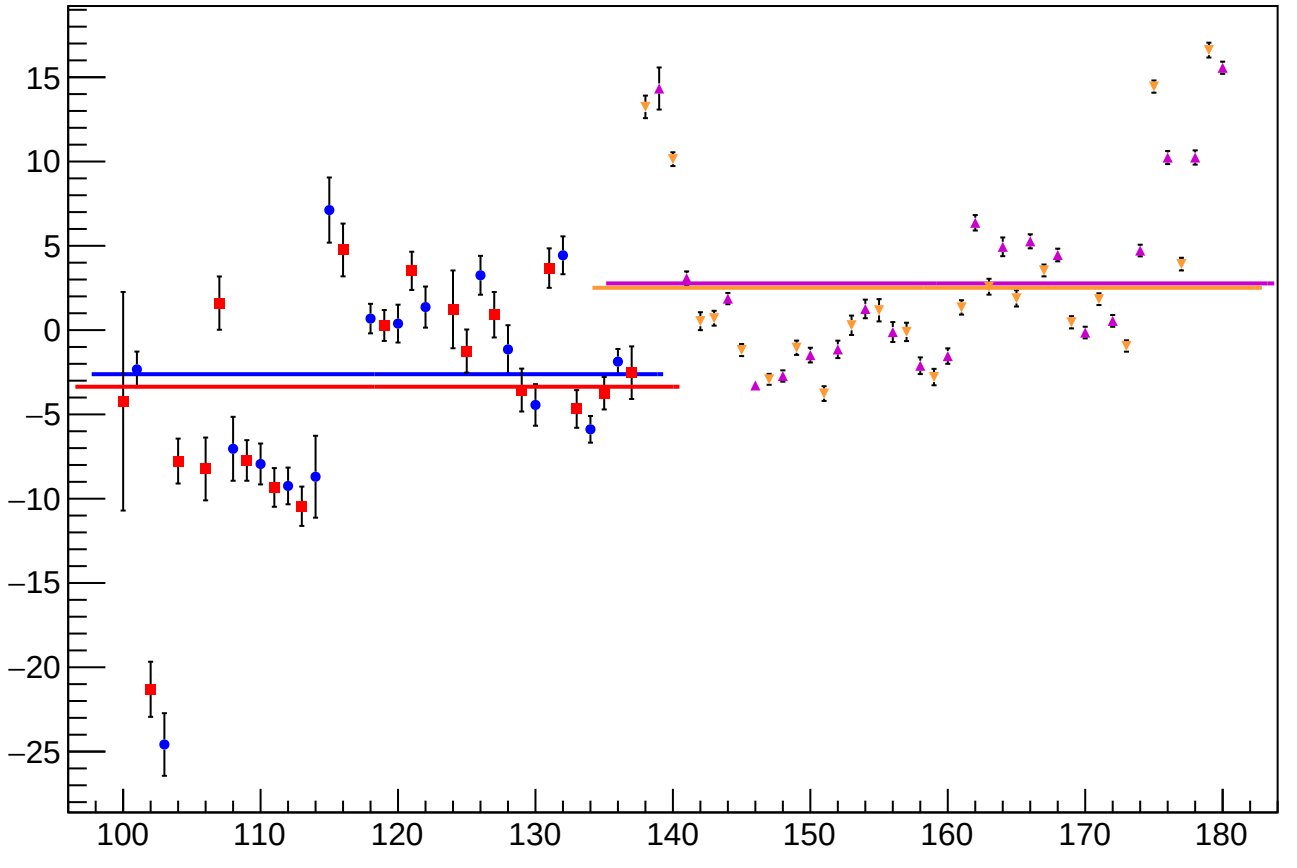
Left: -19.757+/-0.084 χ^2/NDF: 20270.3/42

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -17.673+/-0.108 χ^2/NDF:13484.1/36

Out: -16.472+/-0.110 χ^2/NDF:13650.7/40

All: -17.083+/-0.077 χ^2/NDF: 27196.0/77



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 2.509+/-0.090 χ^2/NDF:3729.4/21

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 2.770+/-0.089 χ^2/NDF:3389.4/20

Left: 2.640+/-0.063 χ^2/NDF: 7123.0/42

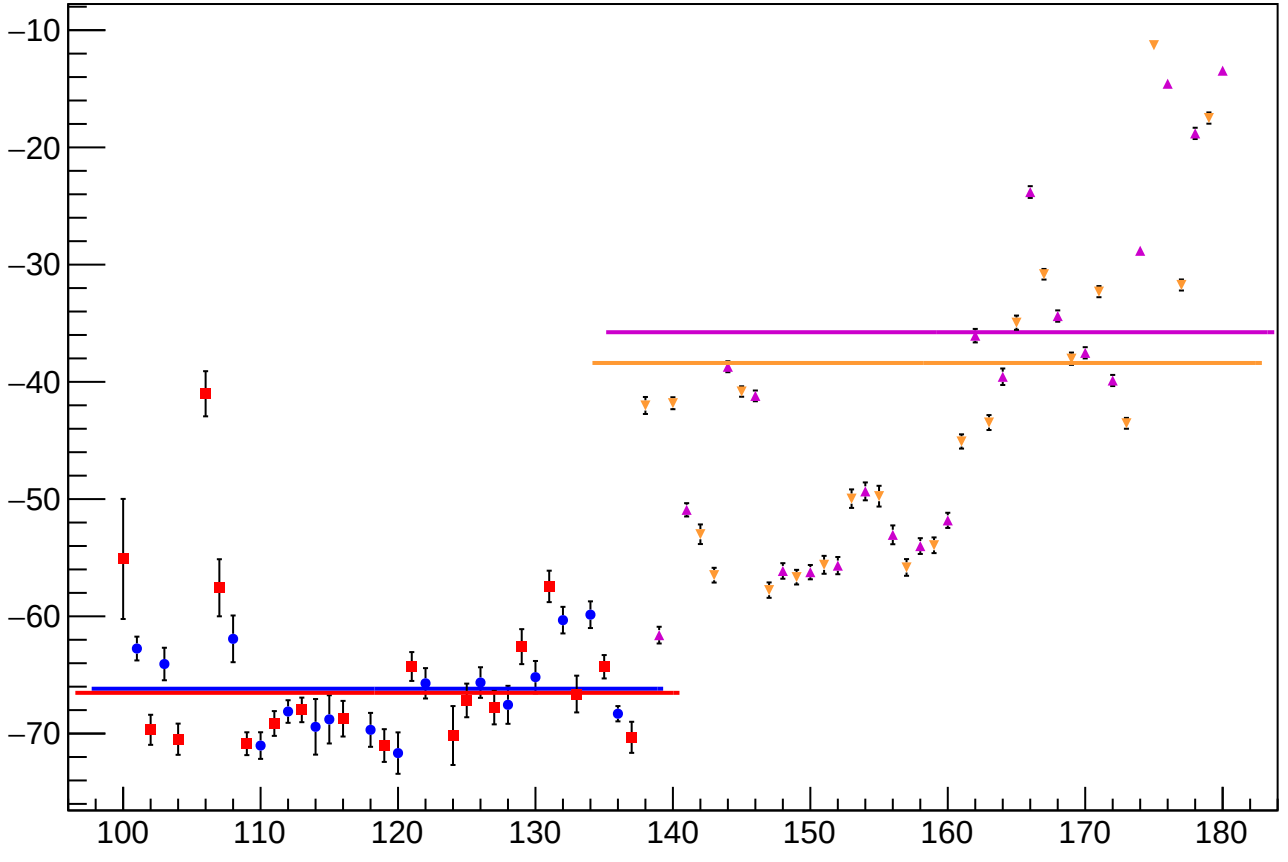
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 2.295+/-0.085 χ^2/NDF:4065.1/36

Out: 2.025+/-0.086 χ^2/NDF:4443.0/40

All: 2.161+/-0.060 χ^2/NDF: 8513.1/77

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -38.388+/-0.120 χ^2/NDF:12796.3/21

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -35.765+/-0.117 χ^2/NDF:15307.7/20

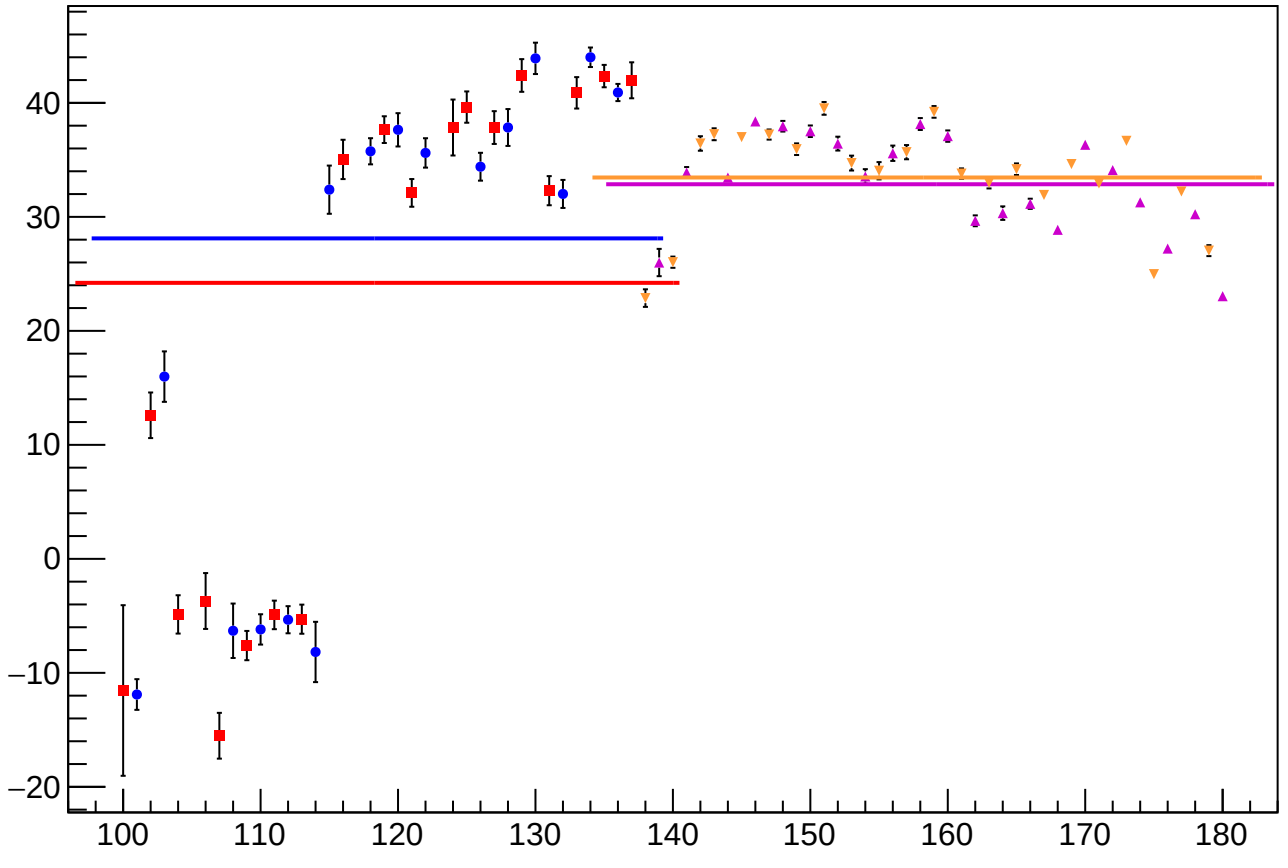
Left: -37.040+/-0.084 χ^2/NDF: 28349.6/42

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -39.662+/-0.109 χ^2/NDF:24143.3/36

Out: -42.002+/-0.112 χ^2/NDF:20185.6/40

All: -40.800+/-0.078 χ^2/NDF: 44553.2/77



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.454+/-0.101 χ^2/NDF:1712.7/21

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.861+/-0.100 χ^2/NDF:1861.7/20

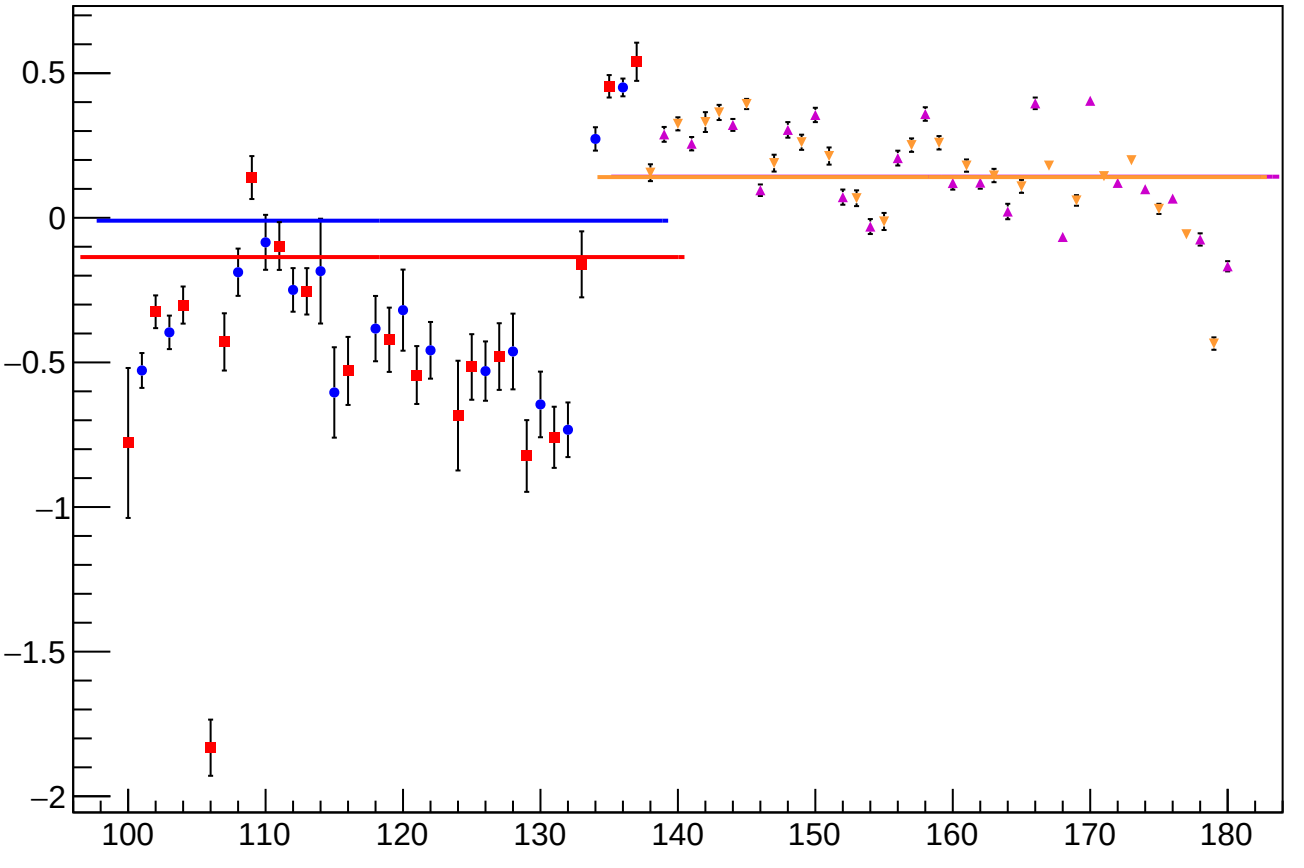
Left: 33.154+/-0.071 χ^2/NDF: 3591.6/42

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.438+/-0.096 χ^2/NDF:5790.0/36

Out: 32.682+/-0.097 χ^2/NDF:6249.4/40

All: 32.558+/-0.068 χ^2/NDF: 12042.7/77



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.141+/-0.005 χ^2/NDF:1427.8/21

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.142+/-0.004 χ^2/NDF:1424.6/20

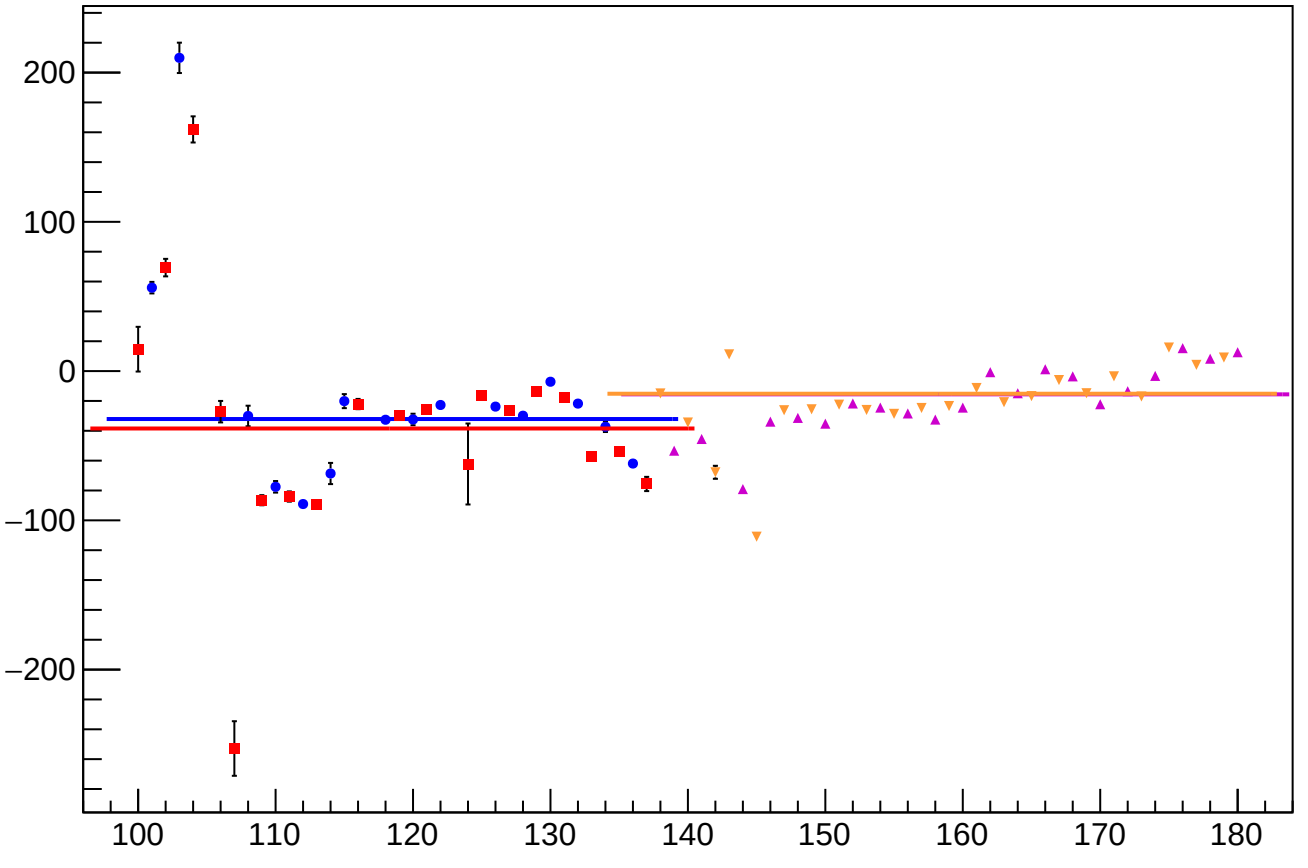
Left: 0.141+/-0.003 χ^2/NDF: 2852.4/42

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.133+/-0.004 χ^2/NDF:2084.2/36

Out: 0.125+/-0.004 χ^2/NDF:2450.0/40

All: 0.129+/-0.003 χ^2/NDF: 4535.6/77



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -15.172+/-0.572 χ^2/NDF:1763.0/21

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -15.582+/-0.560 χ^2/NDF:1724.8/20

Left: -15.381+/-0.400 χ^2/NDF: 3488.1/42

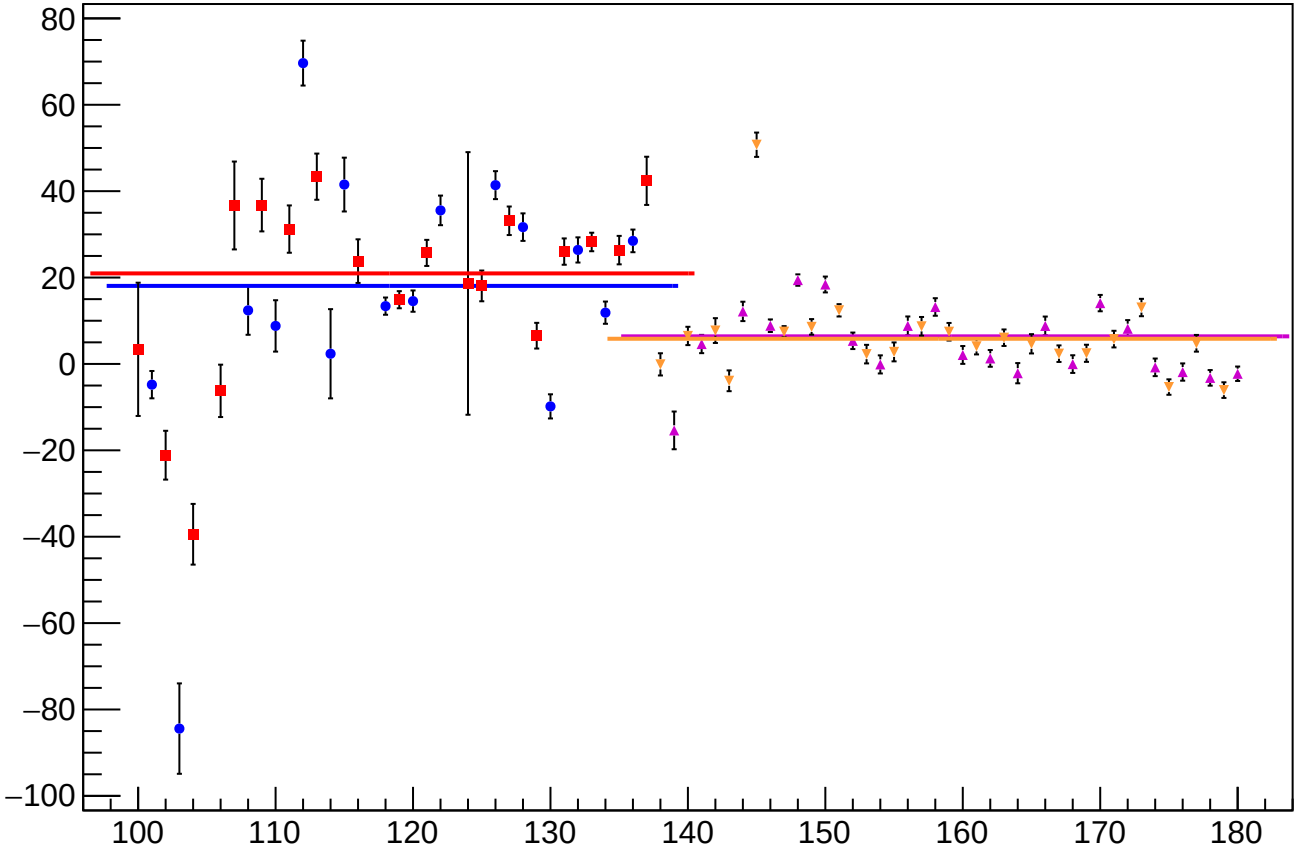
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -20.650+/-0.467 χ^2/NDF:3869.3/36

Out: -22.258+/-0.477 χ^2/NDF:4240.5/40

All: -21.437+/-0.333 χ^2/NDF: 8115.6/77

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.830+/-0.417 χ^2/NDF:411.6/21

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 6.389+/-0.423 χ^2/NDF:335.4/20

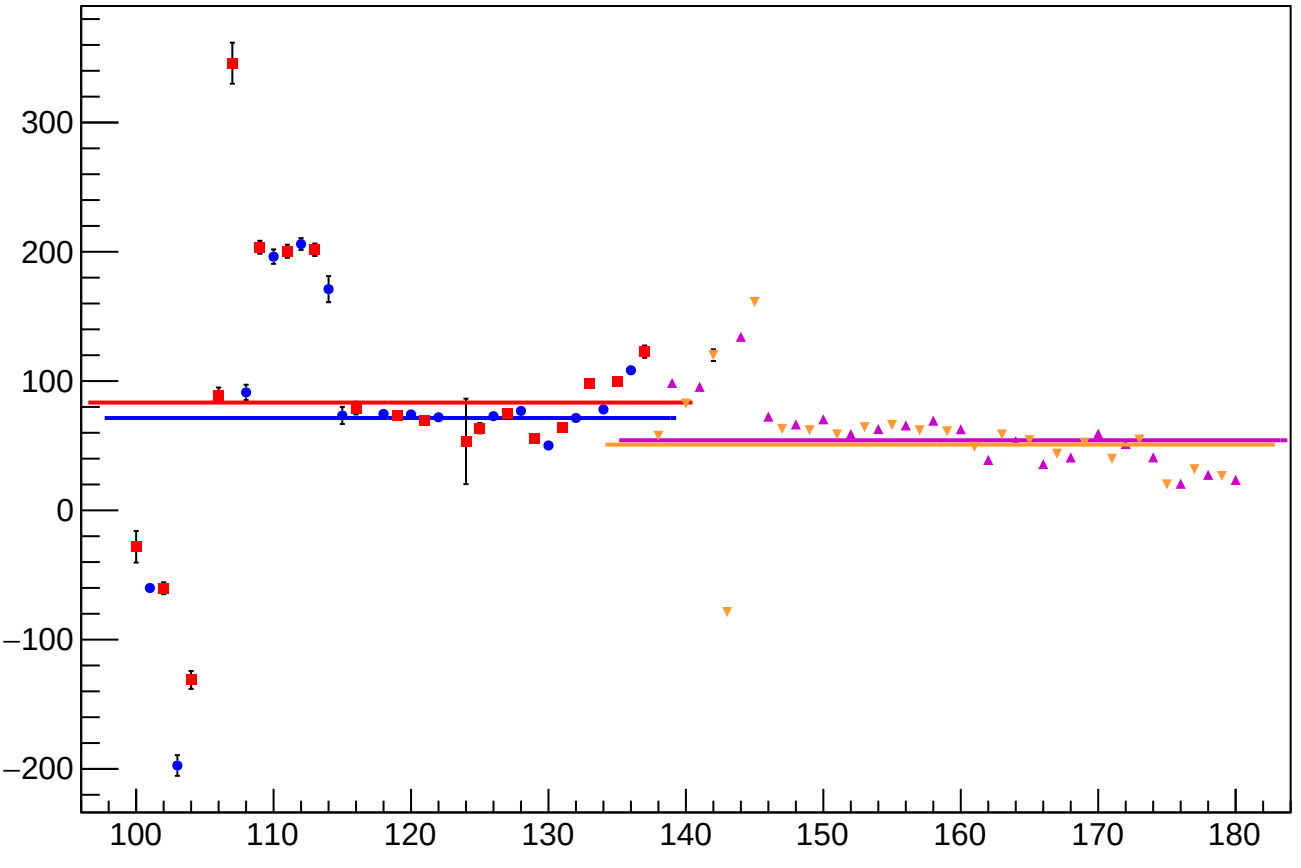
Left: 6.106+/-0.297 χ^2/NDF: 747.9/42

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 8.829+/-0.376 χ^2/NDF:994.3/36

Out: 8.663+/-0.376 χ^2/NDF:920.9/40

All: 8.746+/-0.266 χ^2/NDF: 1915.4/77



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 50.833+/-0.562 χ^2/NDF:3645.8/21

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 54.215+/-0.552 χ^2/NDF:2222.0/20

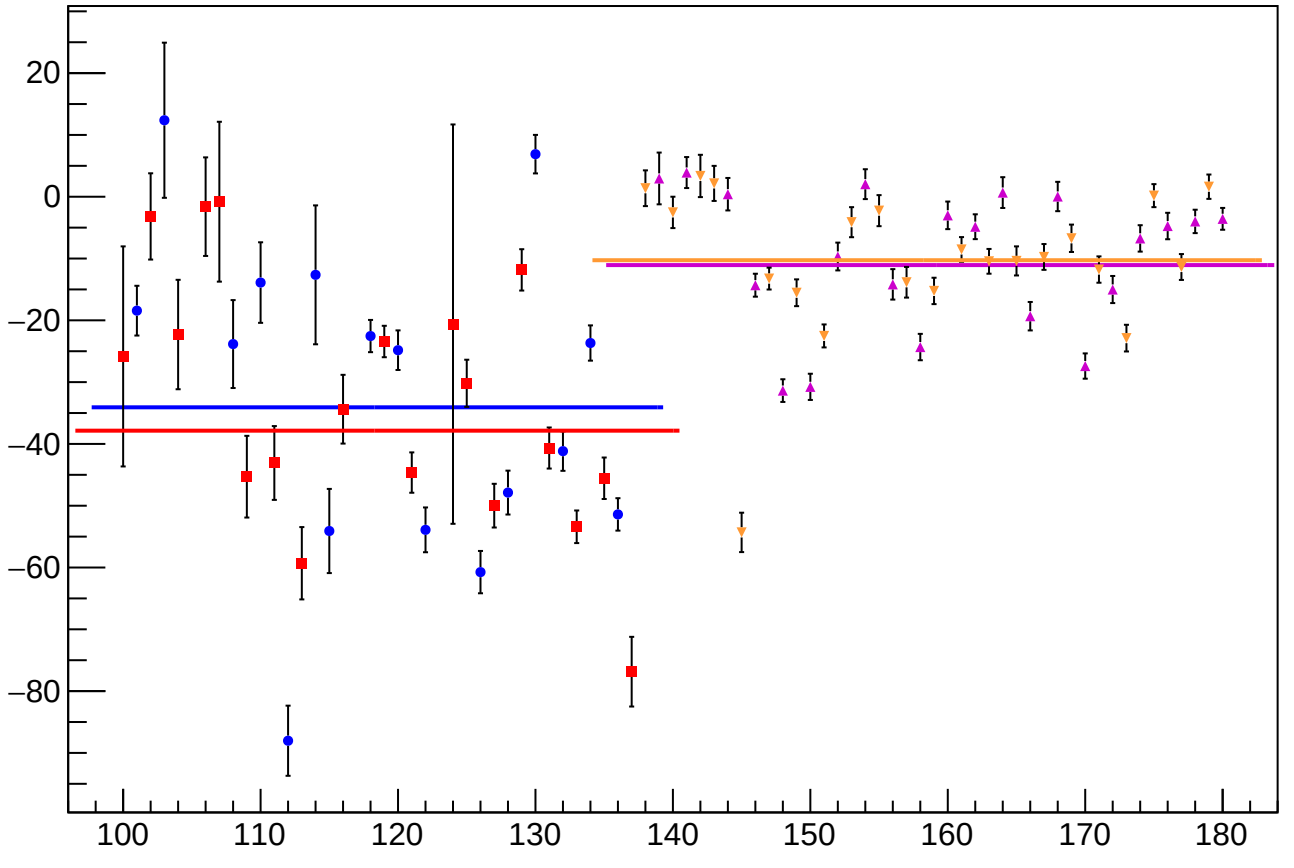
Left: 52.556+/-0.394 χ^2/NDF: 5886.2/42

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 58.687+/-0.475 χ^2/NDF:7294.2/36

Out: 58.828+/-0.488 χ^2/NDF:8766.7/40

All: 58.756+/-0.340 χ^2/NDF: 16061.0/77



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.274+/-0.475 χ^2/NDF:434.0/21

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -11.061+/-0.478 χ^2/NDF:538.8/20

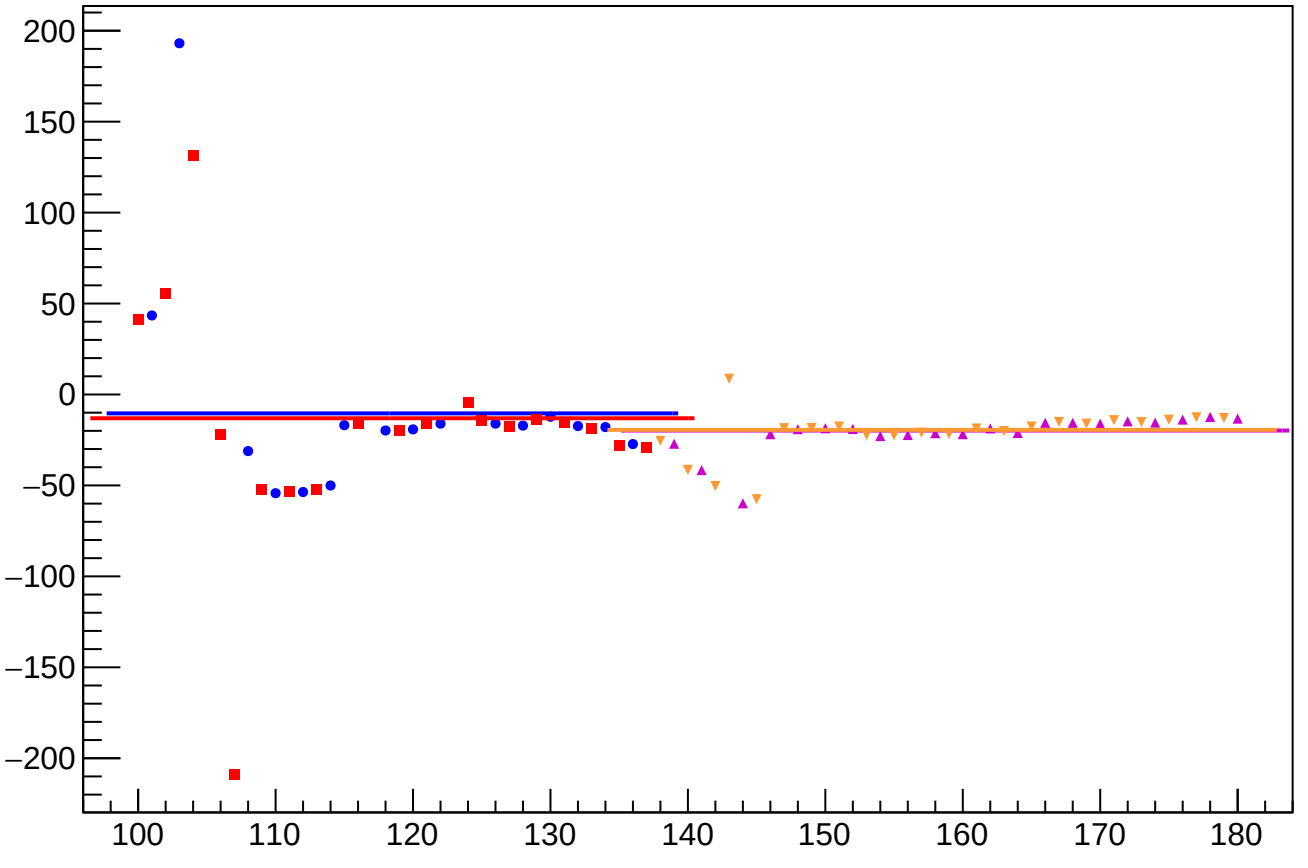
Left: -10.665+/-0.337 χ^2/NDF: 974.2/42

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -15.767+/-0.426 χ^2/NDF:1524.8/36

Out: -15.399+/-0.428 χ^2/NDF:1335.8/40

All: -15.584+/-0.302 χ^2/NDF: 2860.9/77



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.453+/-0.021 χ^2/NDF:225104.2/21

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -19.829+/-0.021 χ^2/NDF:152770.2/20

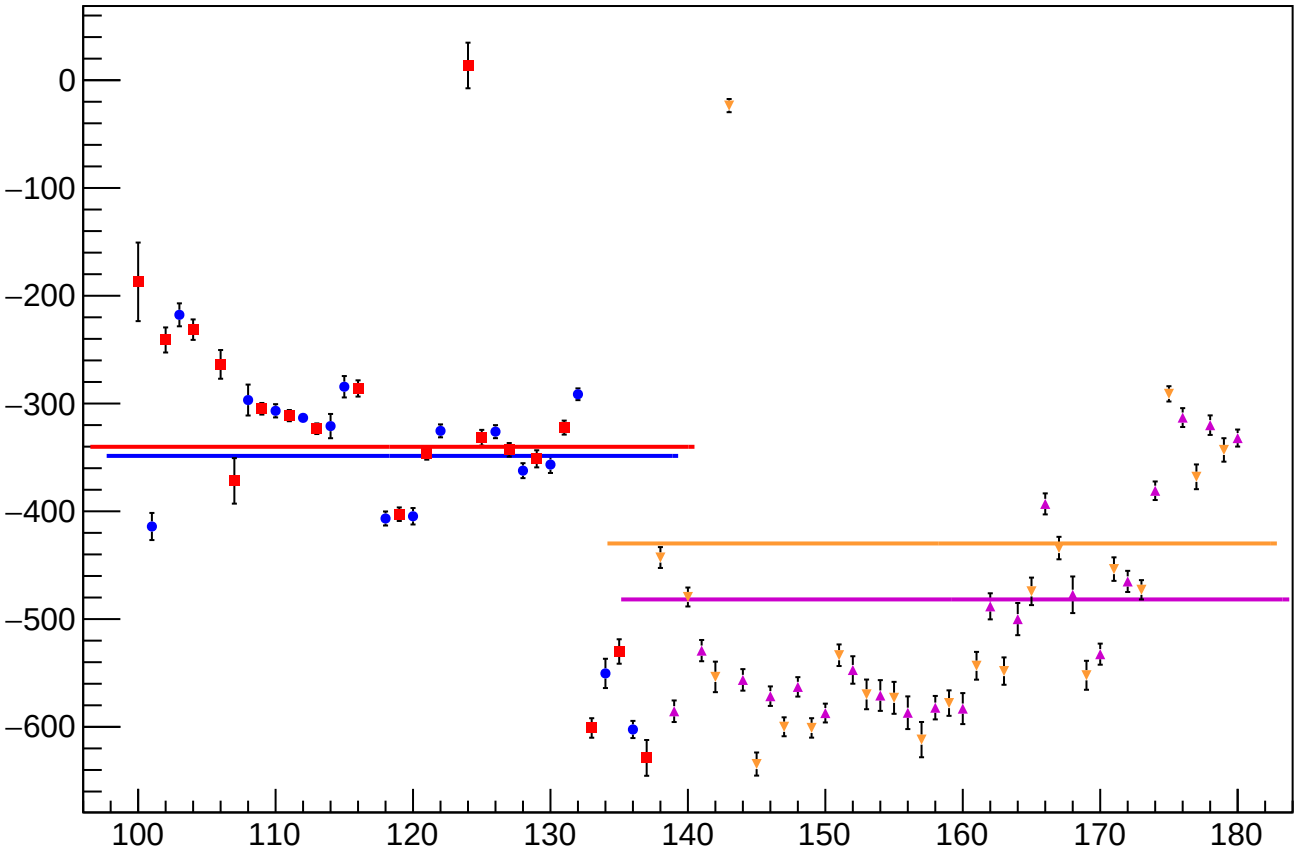
Left: -19.644+/-0.015 χ^2/NDF: 378030.4/42

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -18.683+/-0.020 χ^2/NDF:699297.7/36

Out: -18.786+/-0.020 χ^2/NDF:684007.8/40

All: -18.734+/-0.014 χ^2/NDF: 1383318.7/77



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -429.836+/-2.183 χ^2/NDF:6961.4/21

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -481.761+/-2.251 χ^2/NDF:2059.1/20

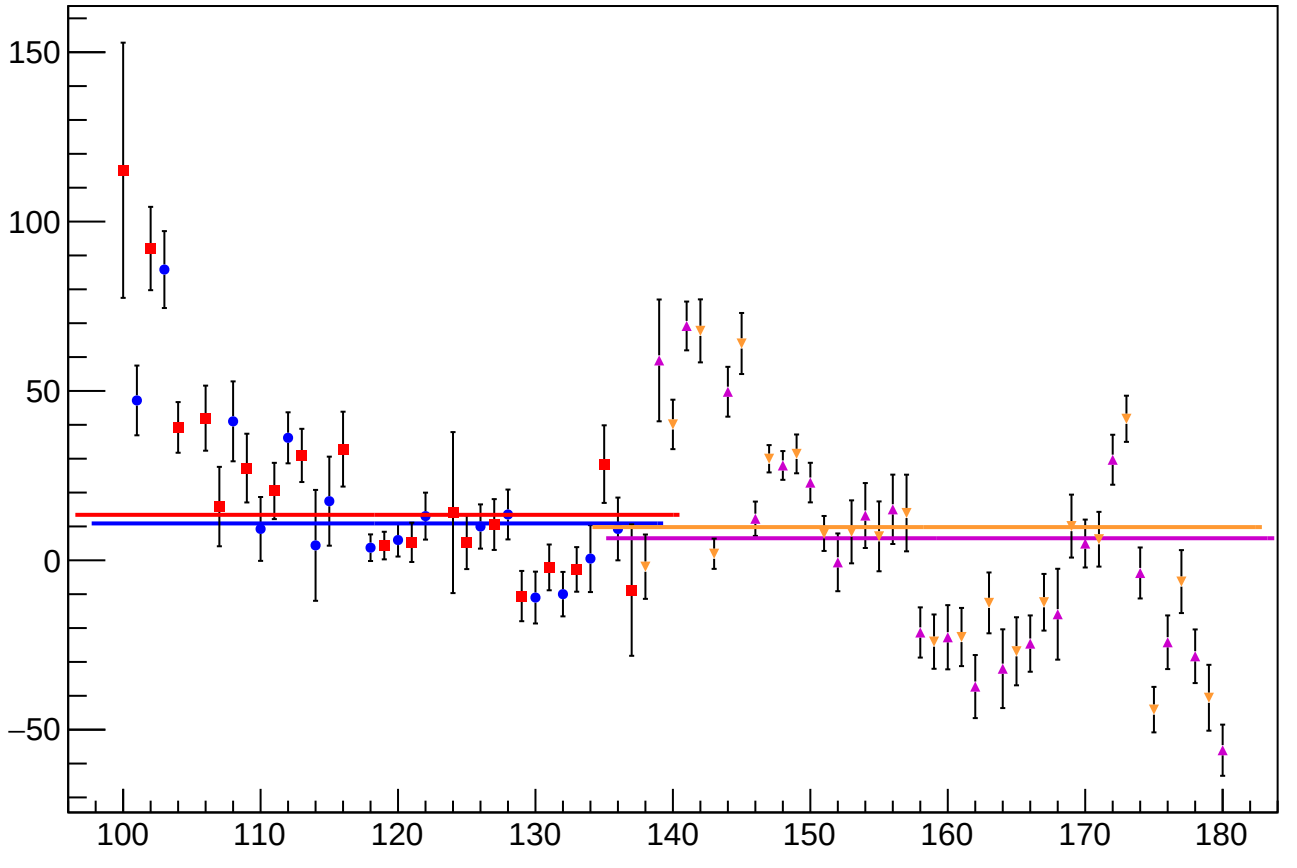
Left: -455.011+/-1.567 χ^2/NDF: 9294.7/42

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -401.405+/-1.417 χ^2/NDF:6030.1/36

Out: -375.456+/-1.370 χ^2/NDF:10181.7/40

All: -387.989+/-0.985 χ^2/NDF: 16385.1/77



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 9.805+/-1.542 χ^2/NDF:311.5/21

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 6.515+/-1.638 χ^2/NDF:343.8/20

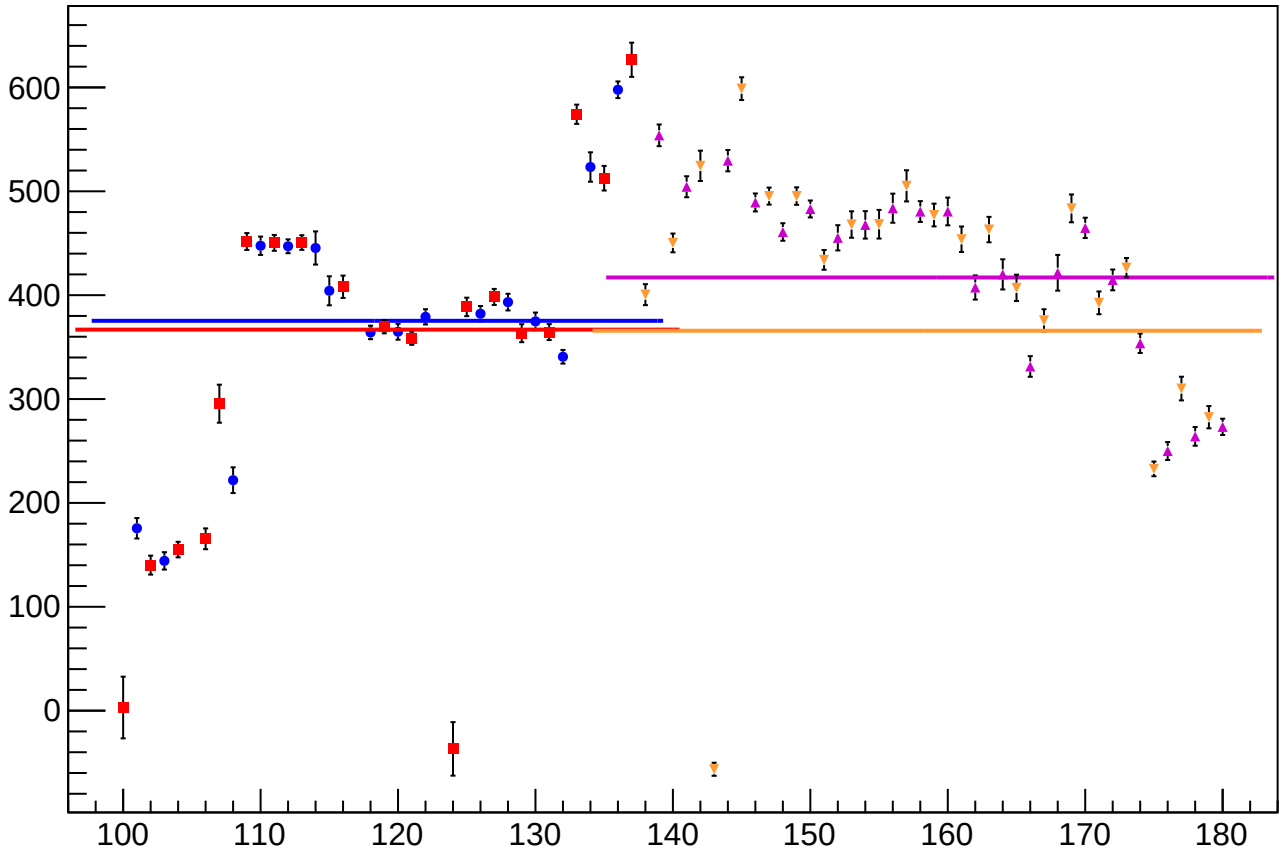
Left: 8.259+/-1.123 χ^2/NDF: 657.4/42

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 8.445+/-1.224 χ^2/NDF:445.2/36

Out: 11.285+/-1.186 χ^2/NDF:426.1/40

All: 9.911+/-0.852 χ^2/NDF: 874.1/77



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 365.762+/-2.158 χ^2/NDF:6702.8/21

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 417.041+/-2.217 χ^2/NDF:1781.2/20

Left: 390.714+/-1.546 χ^2/NDF: 8758.7/42

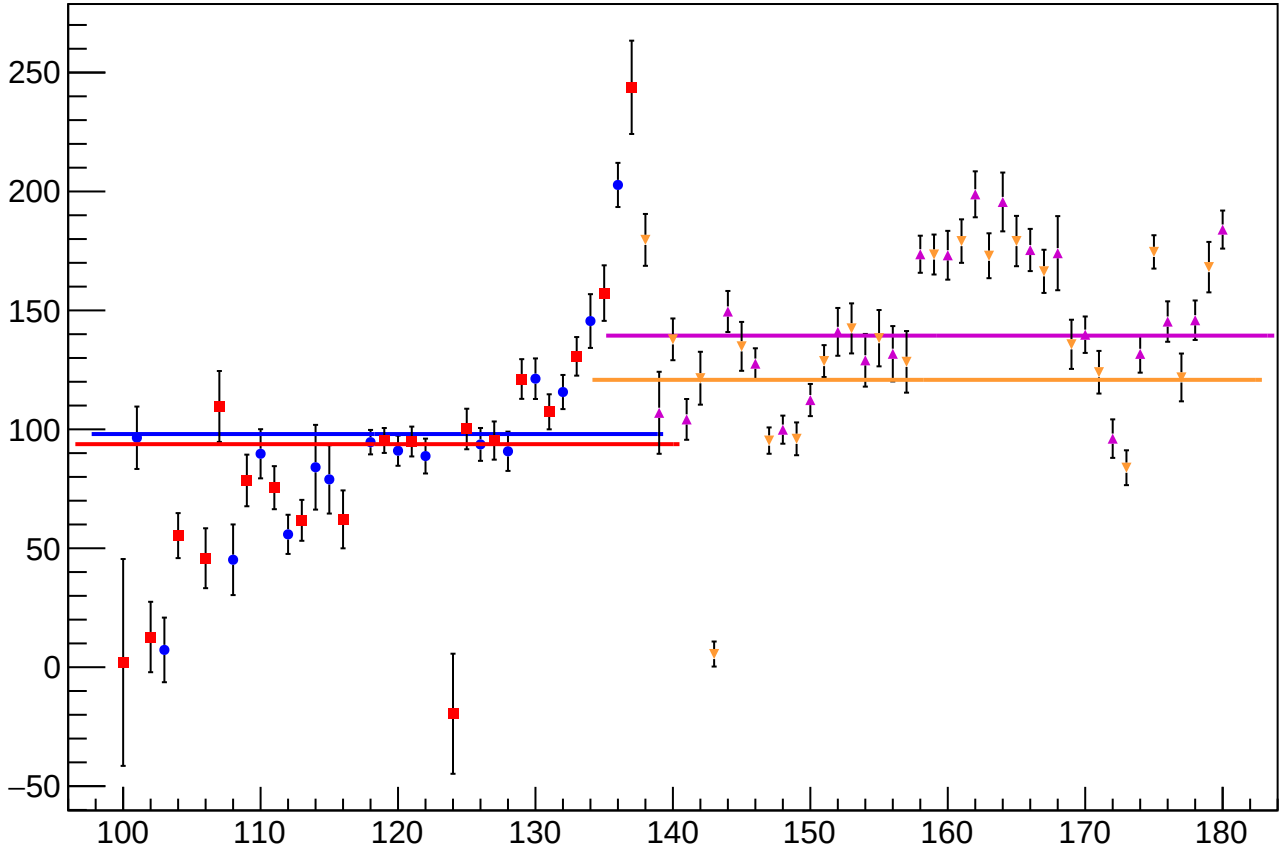
Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 395.079+/-1.526 χ^2/NDF:4417.1/36

Out: 366.323+/-1.486 χ^2/NDF:10244.0/40

All: 380.324+/-1.065 χ^2/NDF: 14843.4/77

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 120.810+/-1.793 χ^2/NDF:829.5/21

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 139.398+/-1.881 χ^2/NDF:259.0/20

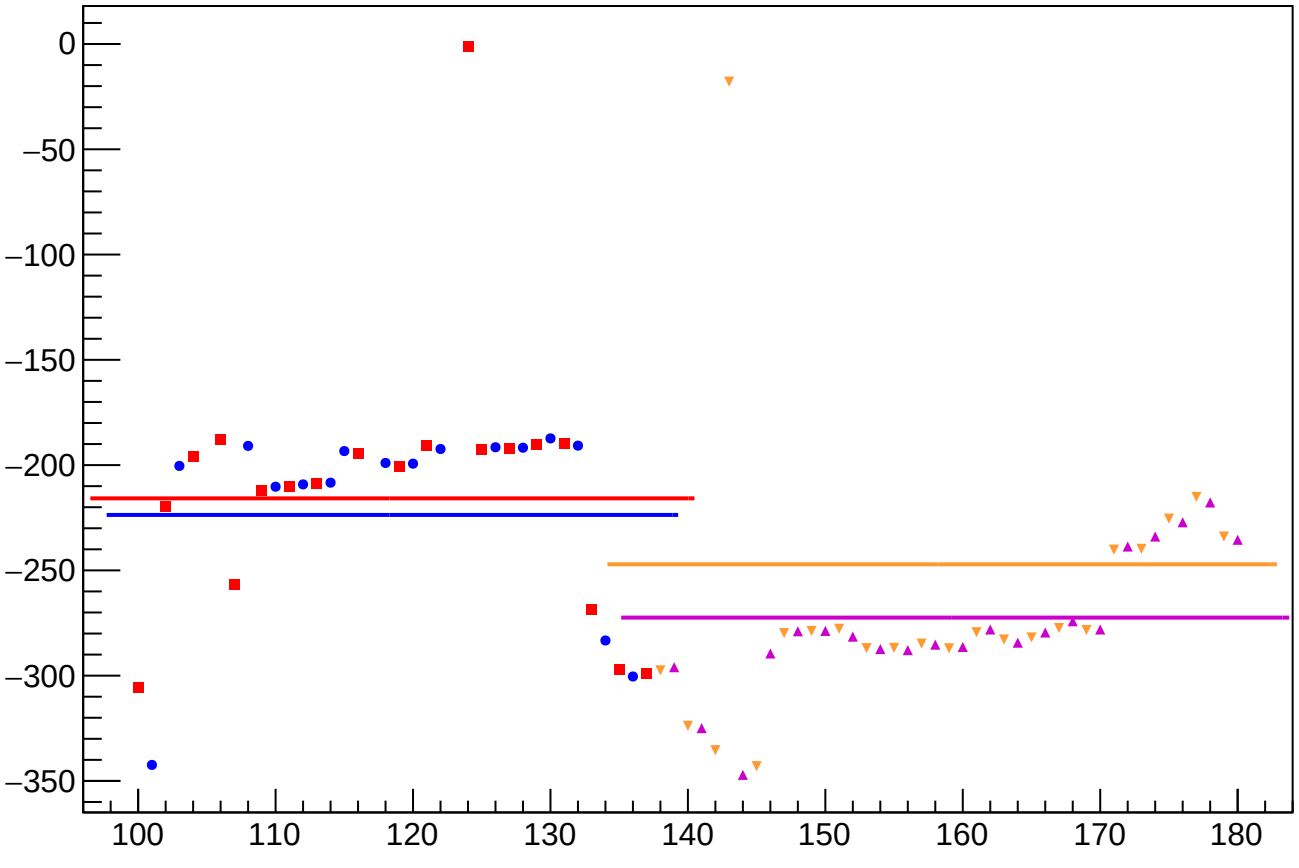
Left: 129.659+/-1.298 χ^2/NDF: 1139.7/42

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 121.405+/-1.414 χ^2/NDF:718.9/36

Out: 109.648+/-1.374 χ^2/NDF:1160.6/40

All: 115.358+/-0.985 χ^2/NDF: 1915.0/77



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.115+/-0.084 χ^2/NDF:986236.4/21

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -272.440+/-0.086 χ^2/NDF:122707.4/20

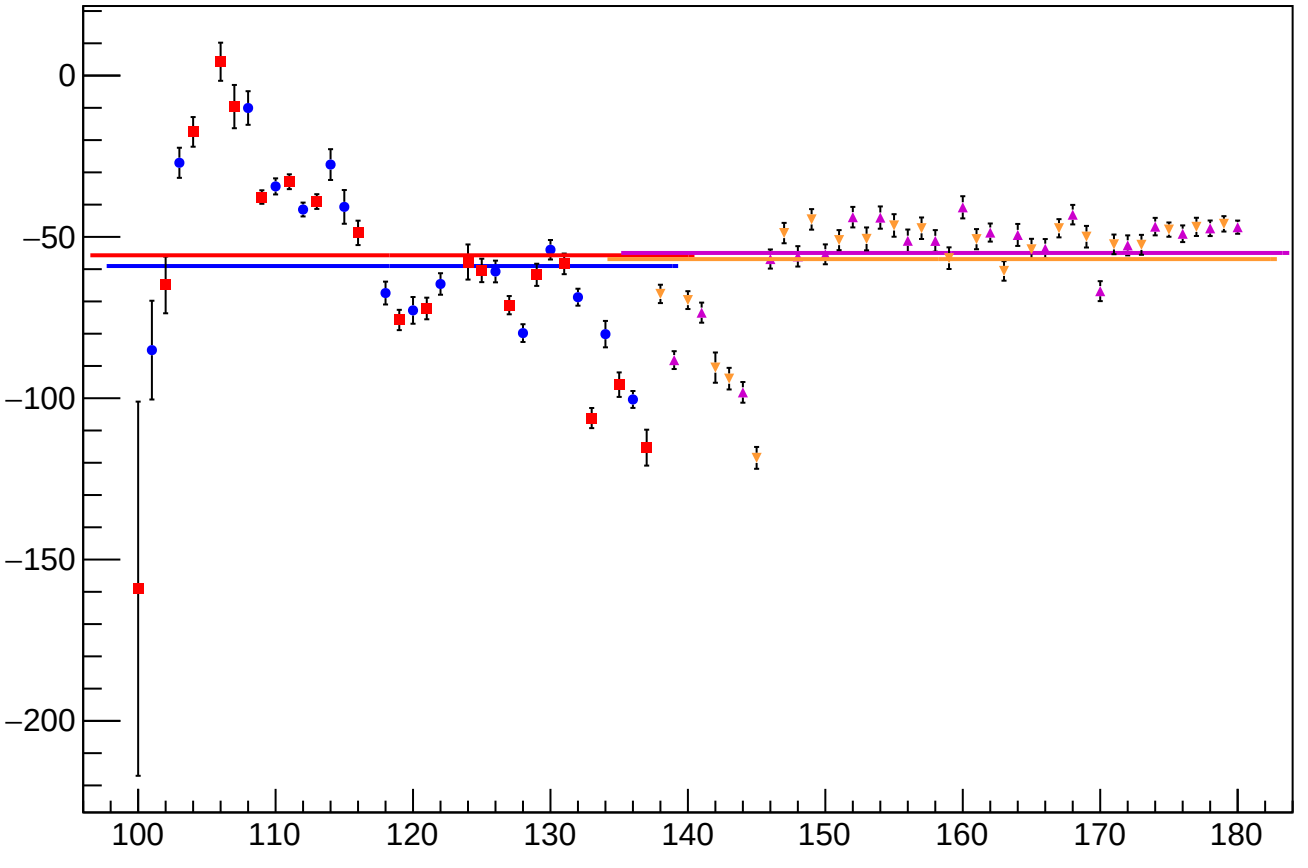
Left: -259.552+/-0.060 χ^2/NDF: 1153190.3/42

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -258.863+/-0.073 χ^2/NDF:334005.9/36

Out: -238.252+/-0.071 χ^2/NDF:1106744.0/40

All: -248.341+/-0.051 χ^2/NDF: 1481492.1/77



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -56.881+/-0.651 χ^2/NDF:662.1/21

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -54.977+/-0.641 χ^2/NDF:482.1/20

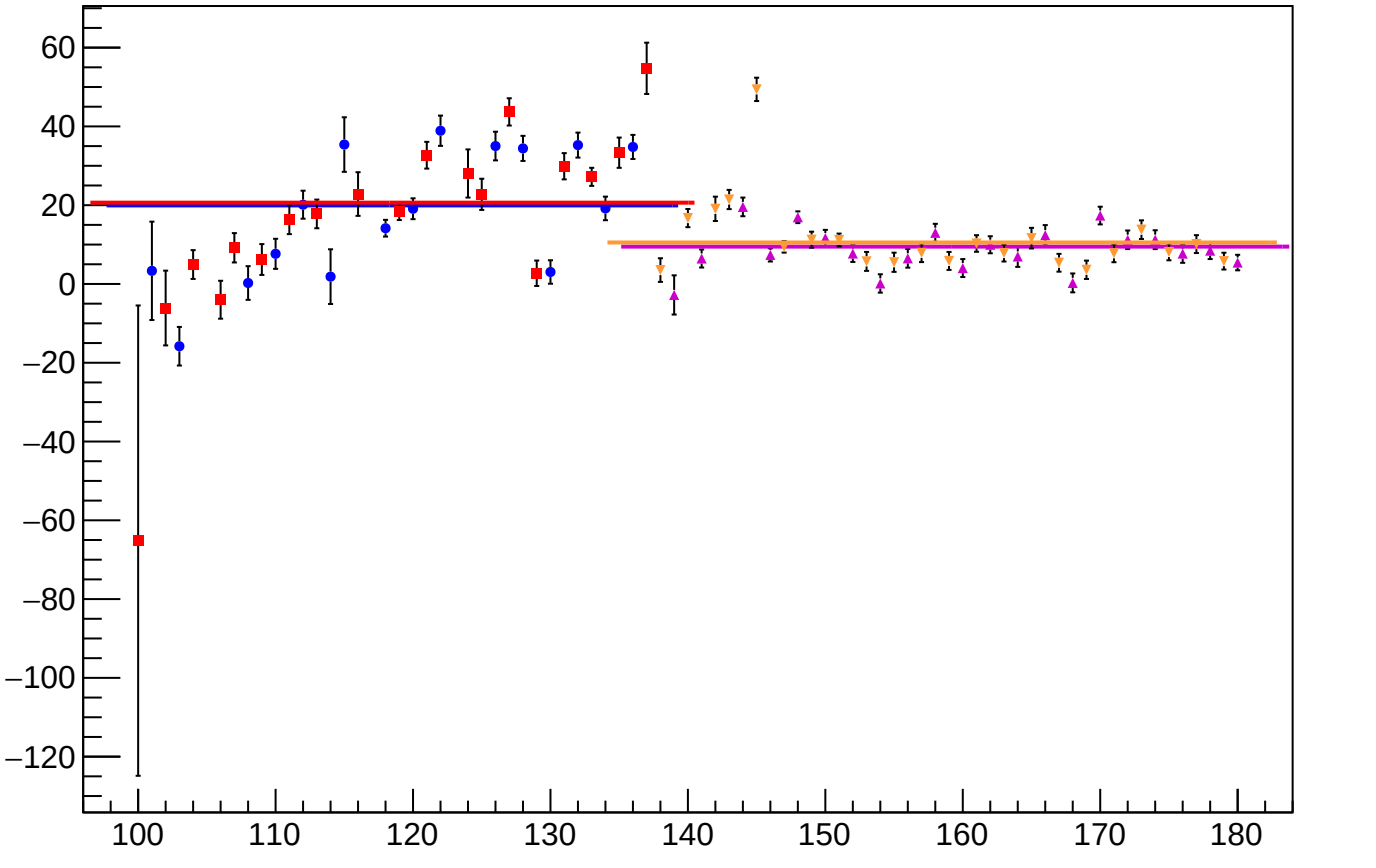
Left: -55.915+/-0.457 χ^2/NDF: 1148.5/42

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -56.494+/-0.507 χ^2/NDF:1224.3/36

Out: -56.404+/-0.503 χ^2/NDF:1704.6/40

All: -56.448+/-0.357 χ^2/NDF: 2928.9/77



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.533+/-0.473 χ^2/NDF:252.1/21

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.483+/-0.482 χ^2/NDF:115.4/20

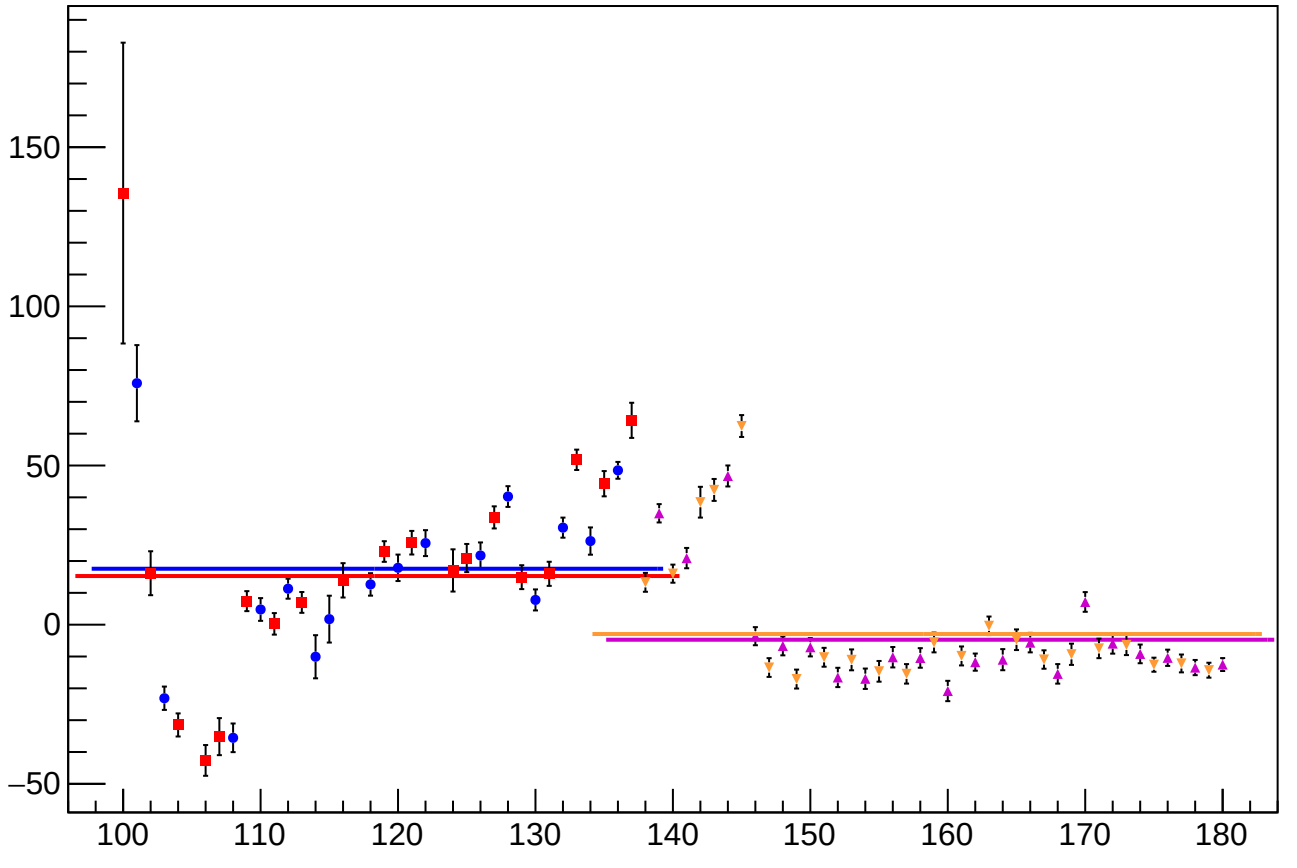
Left: 10.017+/-0.338 χ^2/NDF: 369.9/42

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 11.951+/-0.421 χ^2/NDF:473.8/36

Out: 12.950+/-0.413 χ^2/NDF:586.1/40

All: 12.461+/-0.295 χ^2/NDF: 1062.7/77



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.934+/-0.640 χ^2/NDF:834.7/21

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -4.730+/-0.631 χ^2/NDF:633.9/20

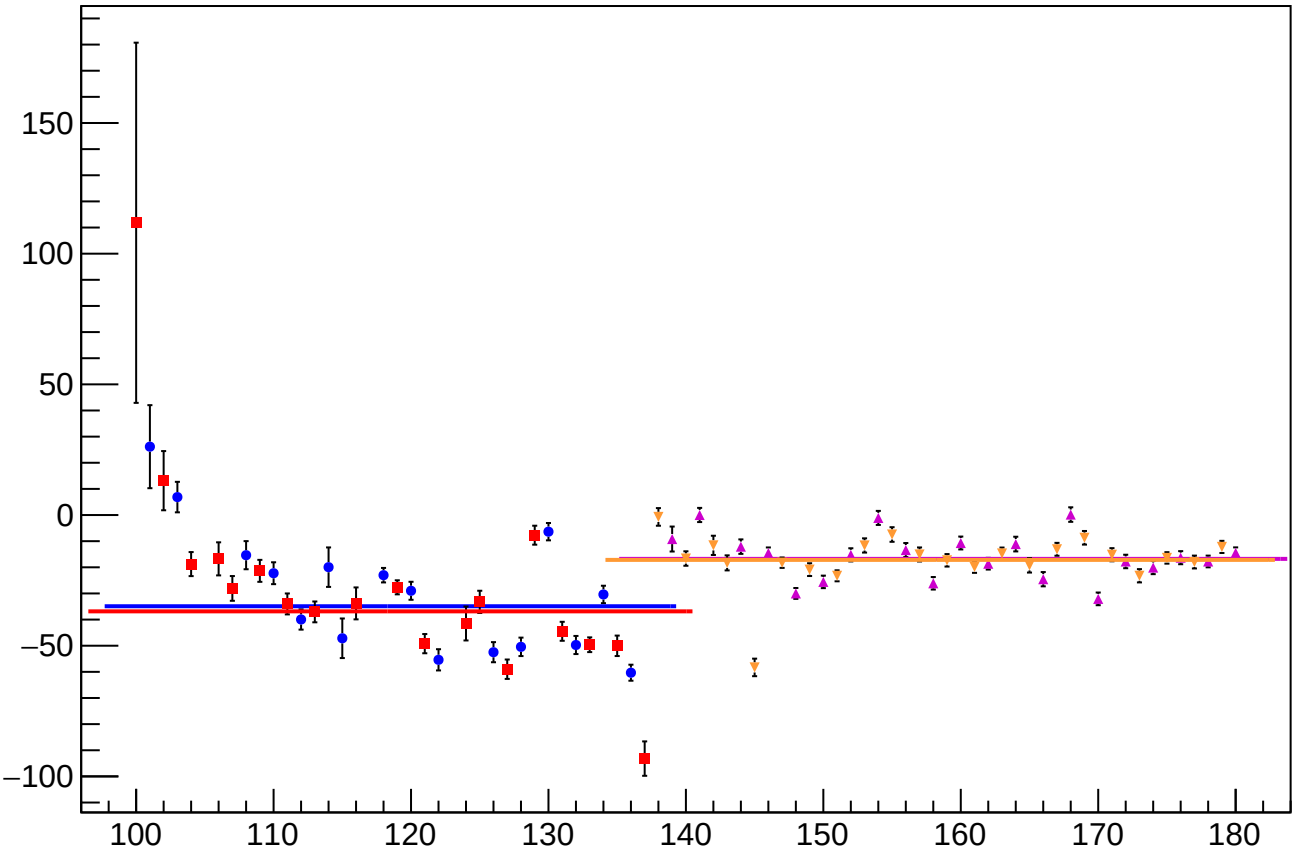
Left: -3.845+/-0.449 χ^2/NDF: 1472.7/42

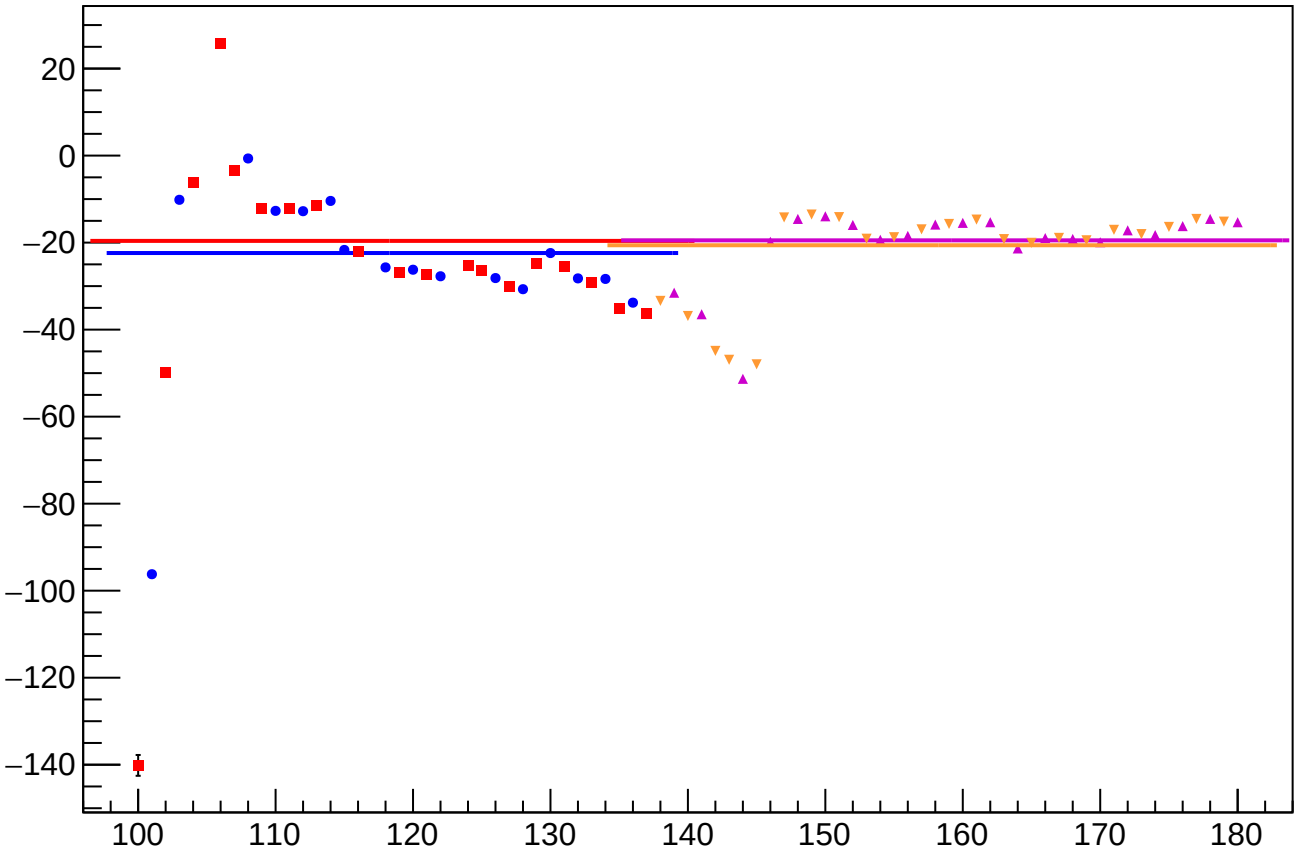
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 2.035+/-0.527 χ^2/NDF:1558.9/36

Out: 2.887+/-0.528 χ^2/NDF:1823.7/40

All: 2.460+/-0.373 χ^2/NDF: 3383.9/77


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -17.162+/-0.540 χ²/NDF:232.0/21
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -16.774+/-0.545 χ²/NDF:249.2/20
Left: -16.970+/-0.384 χ²/NDF: 481.4/42
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -20.990+/-0.478 χ²/NDF:852.9/36
Out: -21.823+/-0.472 χ²/NDF:848.3/40
All: -21.412+/-0.336 χ²/NDF: 1702.7/77



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.608+/-0.024 χ^2/NDF:144525.1/21

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -19.478+/-0.024 χ^2/NDF:92328.2/20

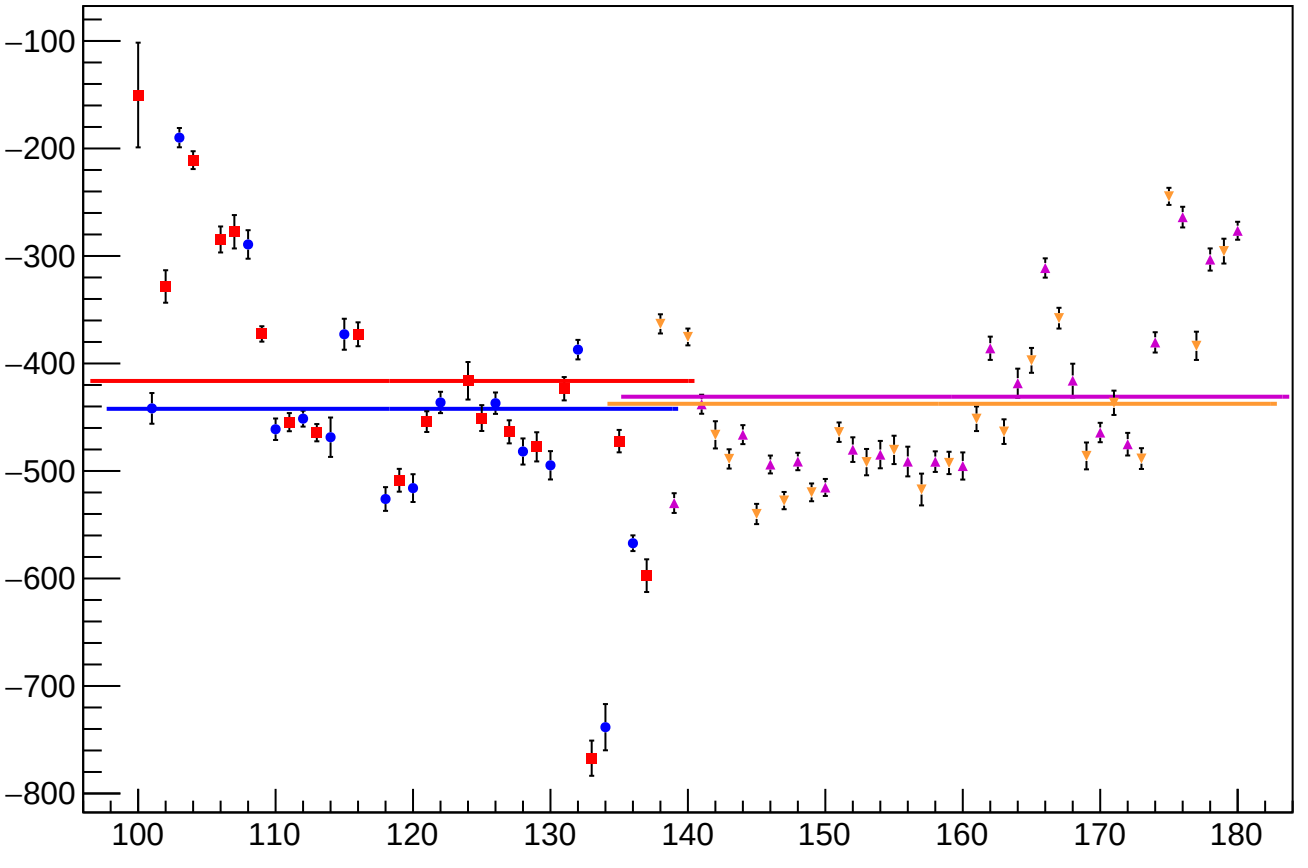
Left: -20.038+/-0.017 χ^2/NDF: 237939.5/42

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -19.905+/-0.022 χ^2/NDF:140984.0/36

Out: -20.464+/-0.023 χ^2/NDF:228634.4/40

All: -20.181+/-0.016 χ^2/NDF: 369929.7/77



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -437.500+/-2.157 χ^2/NDF:1497.2/21

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -430.923+/-2.147 χ^2/NDF:1534.4/20

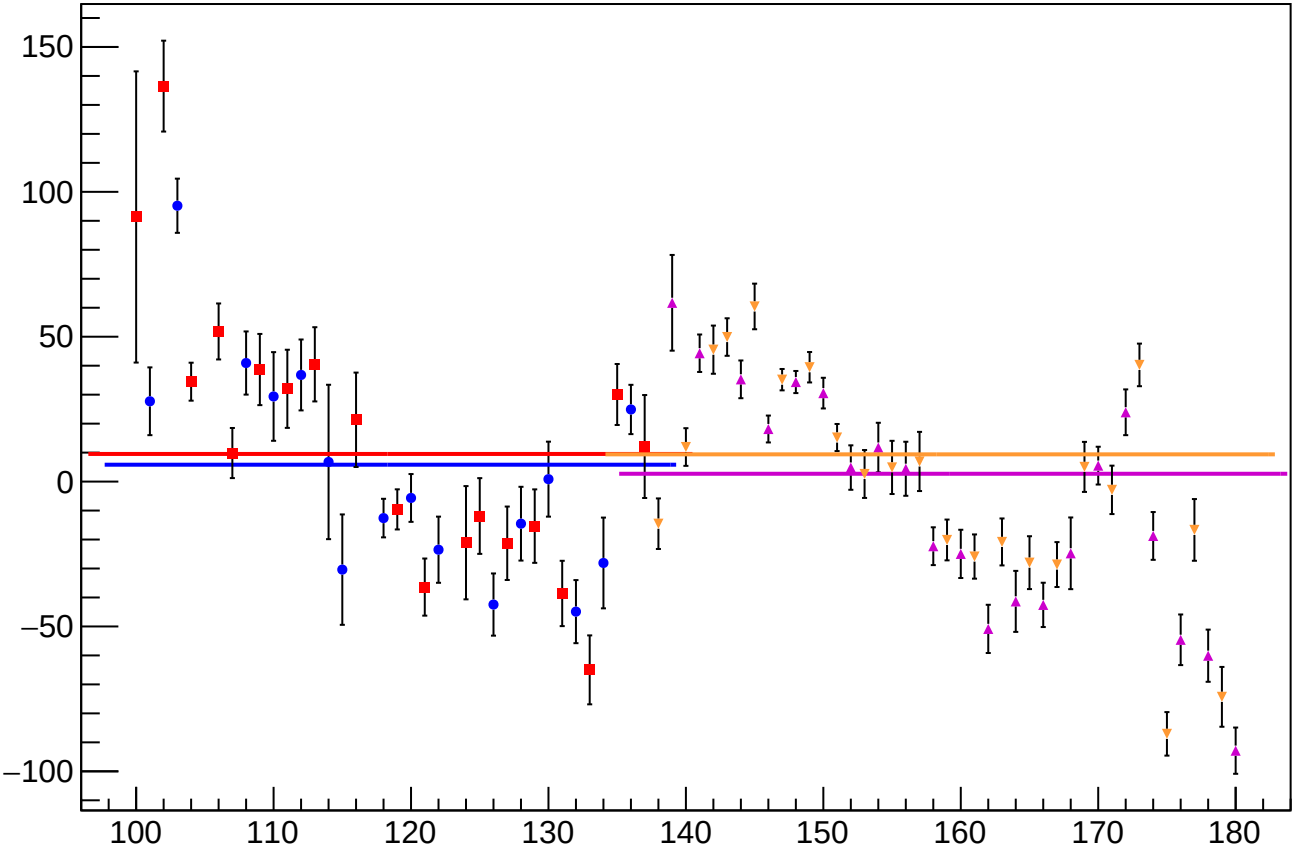
Left: -434.197+/-1.522 χ^2/NDF: 3036.3/42

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -435.321+/-1.676 χ^2/NDF:3134.2/36

Out: -428.529+/-1.639 χ^2/NDF:3292.0/40

All: -431.850+/-1.172 χ^2/NDF: 6434.6/77



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 9.400+/-1.497 χ^2/NDF:542.2/21

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 2.699+/-1.535 χ^2/NDF:561.7/20

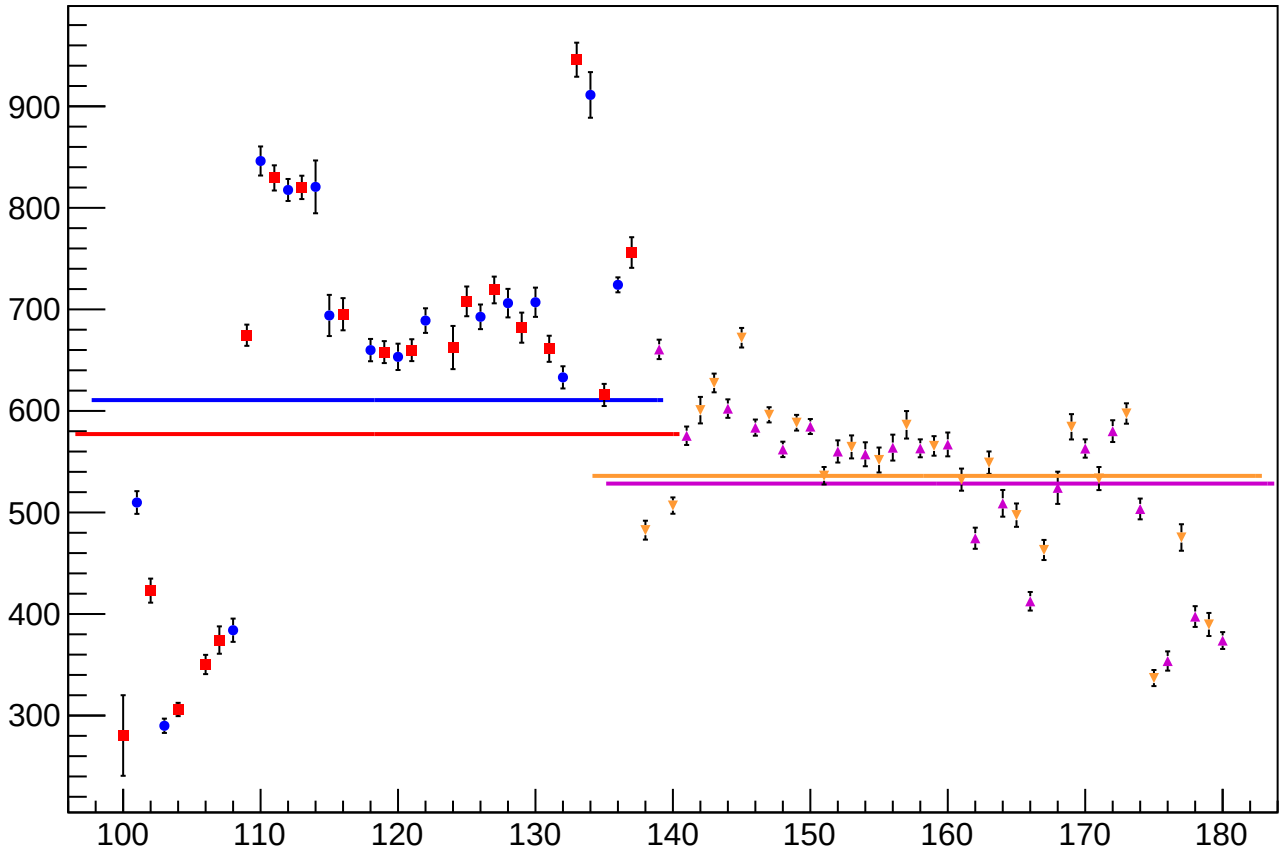
Left: 6.133+/-1.072 χ^2/NDF: 1113.8/42

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 3.450+/-1.338 χ^2/NDF:750.9/36

Out: 9.435+/-1.292 χ^2/NDF:764.4/40

All: 6.547+/-0.929 χ^2/NDF: 1525.6/77



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 536.041+/-2.121 χ^2/NDF:1449.4/21

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 528.443+/-2.108 χ^2/NDF:1541.1/20

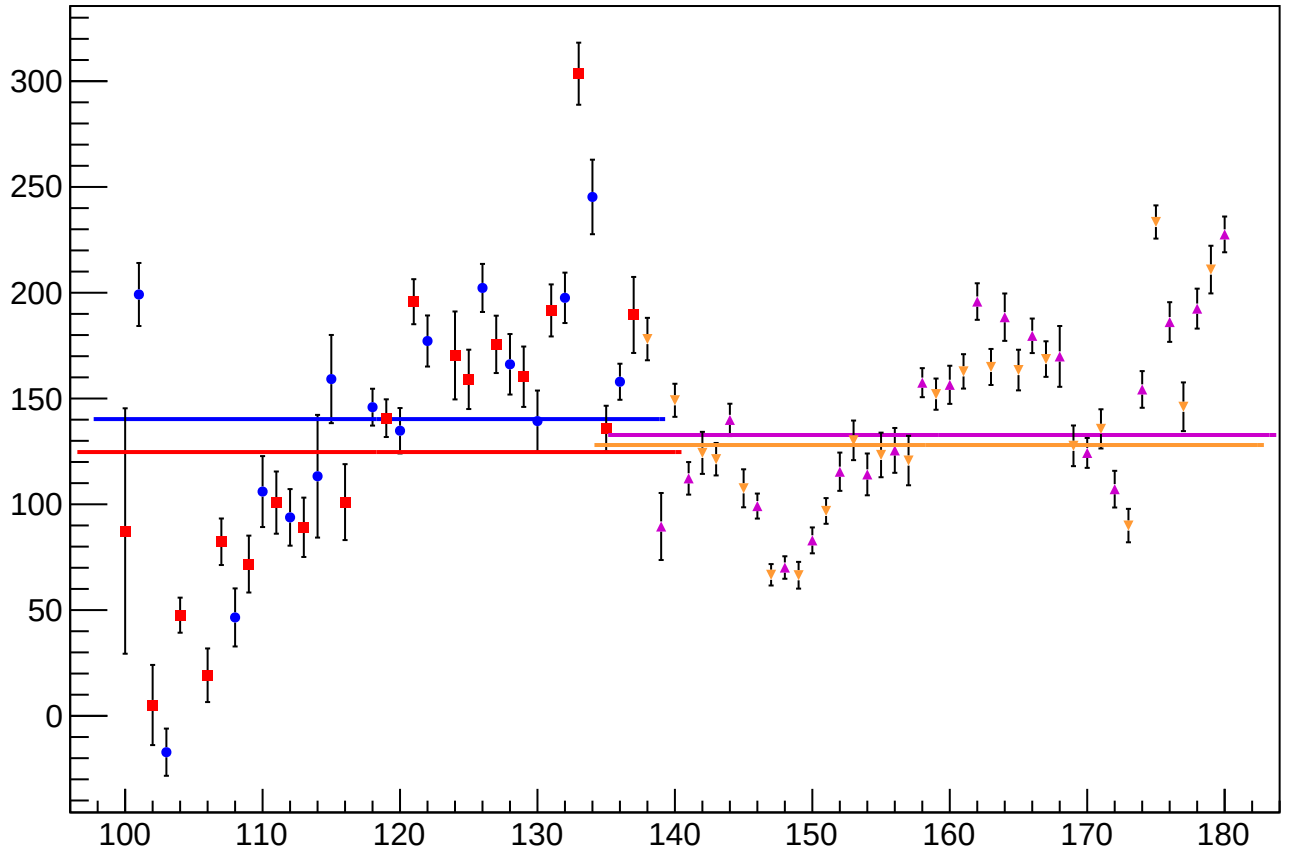
Left: 532.219+/-1.495 χ^2/NDF: 2996.9/42

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 556.963+/-1.703 χ^2/NDF:5961.4/36

Out: 551.359+/-1.681 χ^2/NDF:6389.8/40

All: 554.123+/-1.196 χ^2/NDF: 12356.8/77



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 128.021+/-1.748 χ^2/NDF:652.7/21

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 132.760+/-1.773 χ^2/NDF:612.9/20

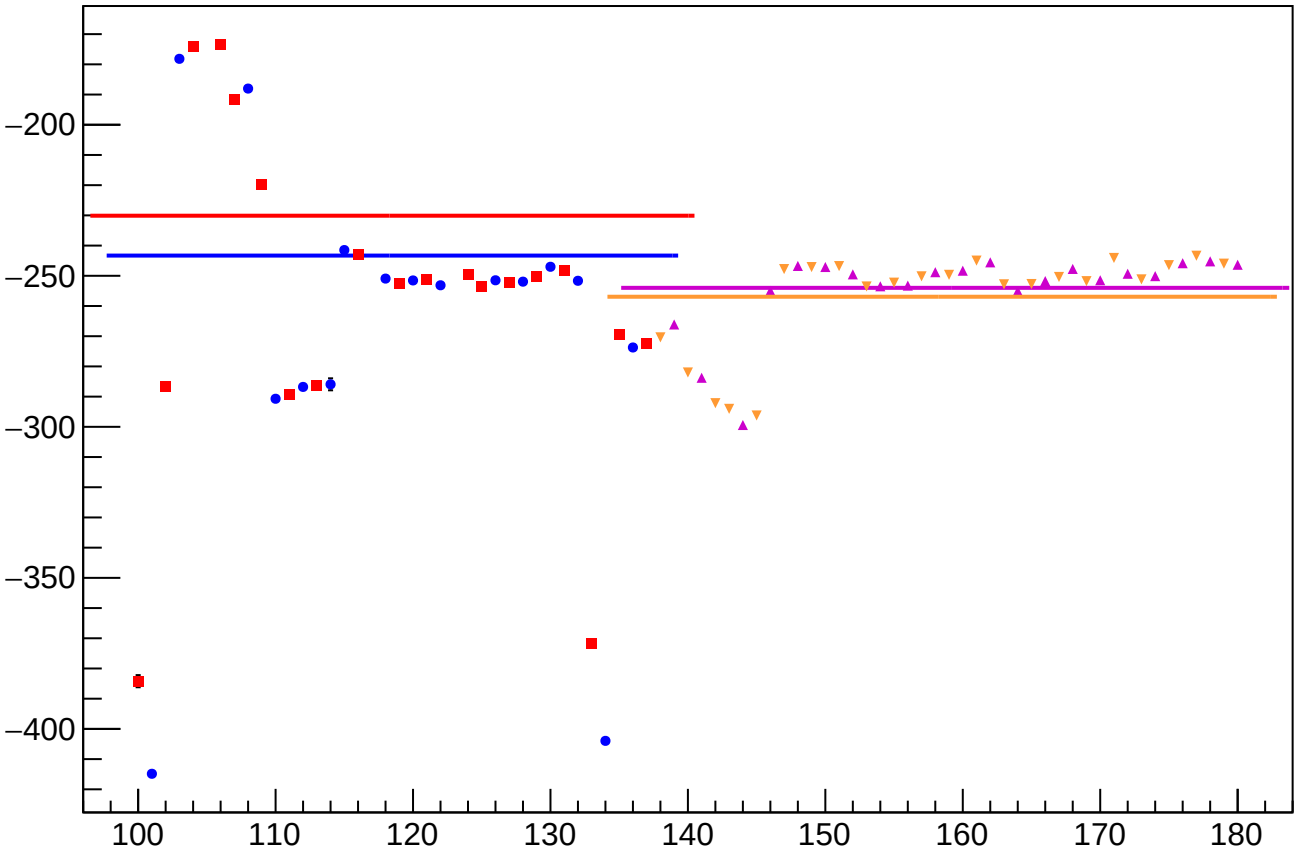
Left: 130.358+/-1.245 χ^2/NDF: 1269.2/42

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 134.568+/-1.545 χ^2/NDF:1002.6/36

Out: 127.170+/-1.508 χ^2/NDF:1162.1/40

All: 130.778+/-1.079 χ^2/NDF: 2176.5/77



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.932+/-0.082 χ^2/NDF:38977.6/21

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -253.988+/-0.081 χ^2/NDF:23948.0/20

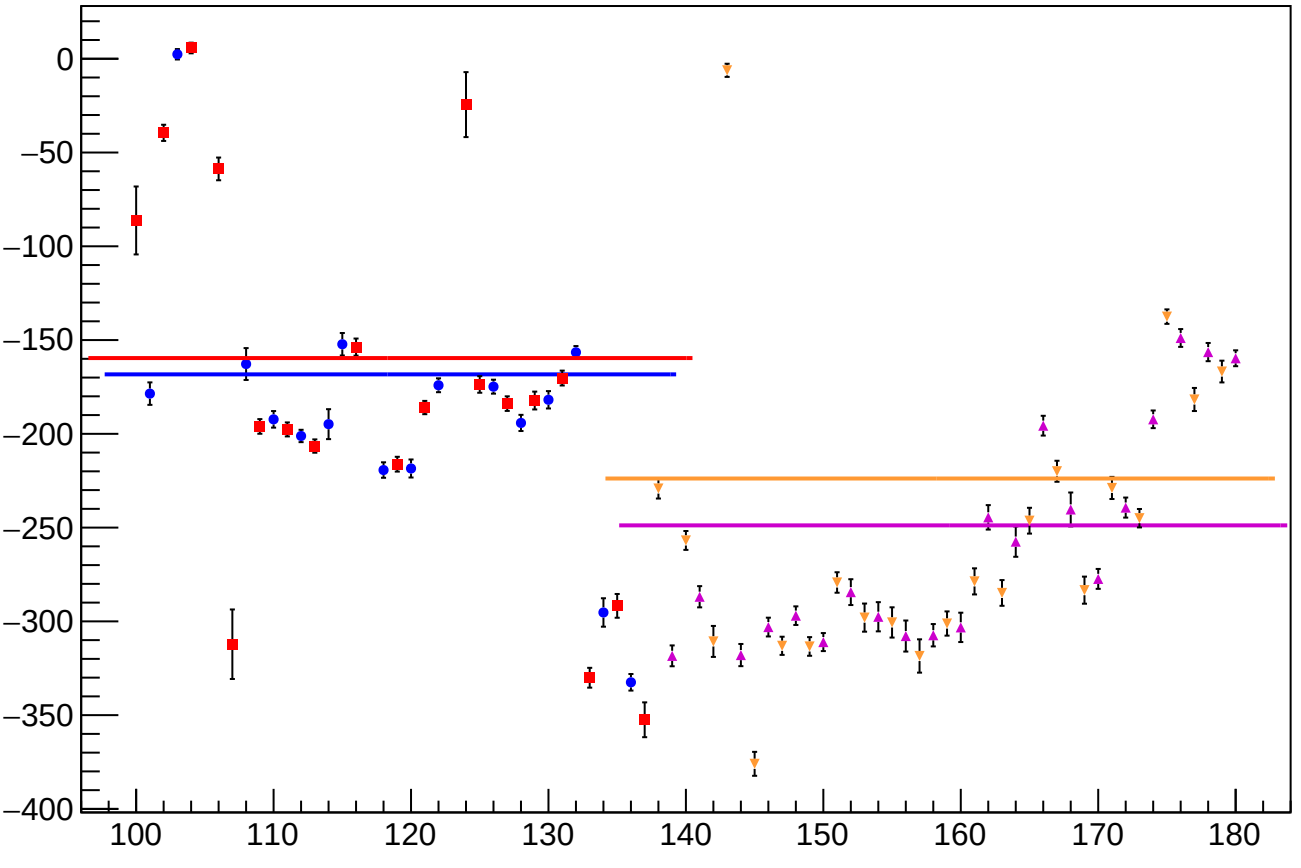
Left: -255.441+/-0.058 χ^2/NDF: 63573.1/42

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -251.850+/-0.073 χ^2/NDF:200890.0/36

Out: -251.165+/-0.073 χ^2/NDF:164235.3/40

All: -251.509+/-0.052 χ^2/NDF: 365169.4/77



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -223.825+/-1.205 χ^2/NDF:6663.2/21

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -248.812+/-1.233 χ^2/NDF:2507.8/20

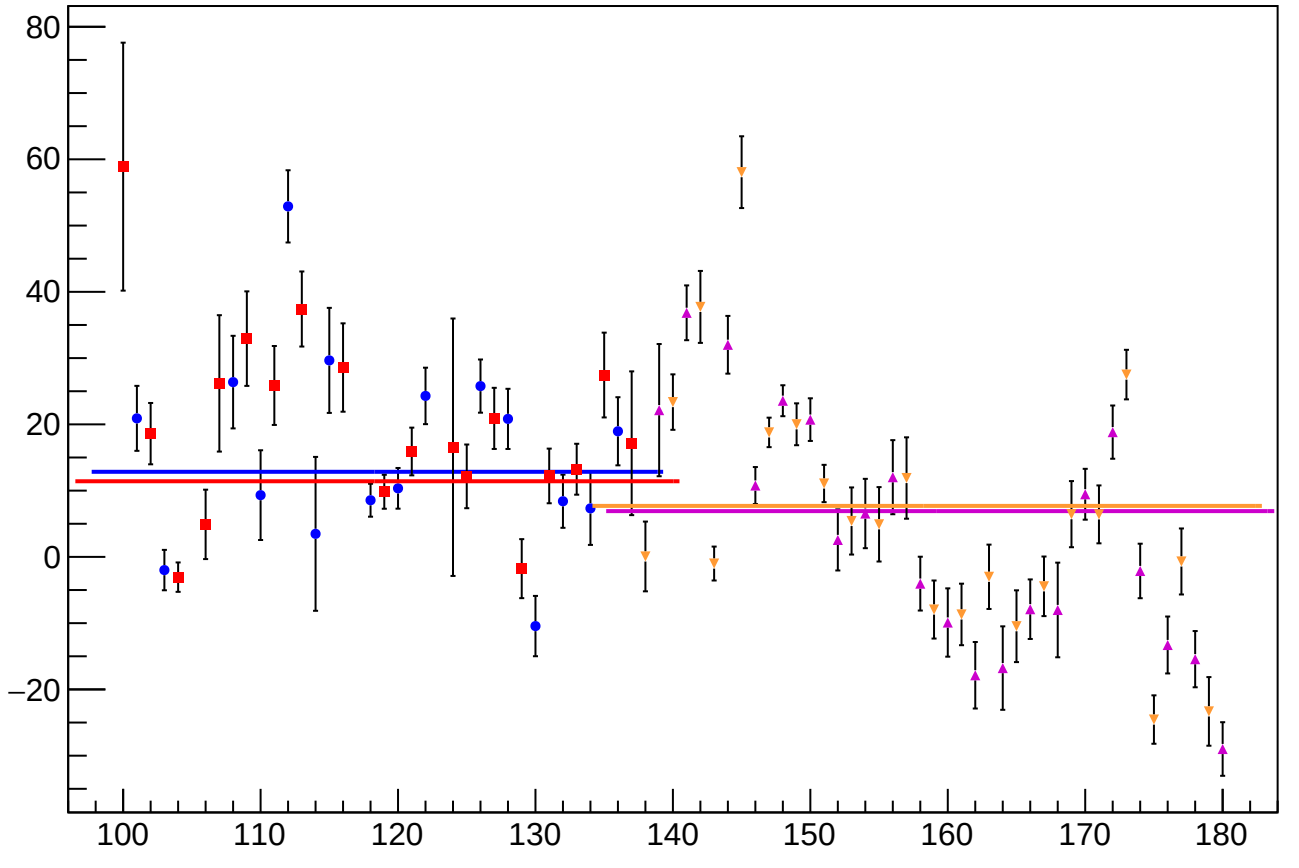
Left: -236.033+/-0.862 χ^2/NDF: 9381.0/42

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -203.094+/-0.811 χ^2/NDF:10836.9/36

Out: -187.084+/-0.788 χ^2/NDF:15485.7/40

All: -194.867+/-0.565 χ^2/NDF: 26523.1/77



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 7.696+/-0.851 χ^2/NDF:380.5/21

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 6.908+/-0.899 χ^2/NDF:375.2/20

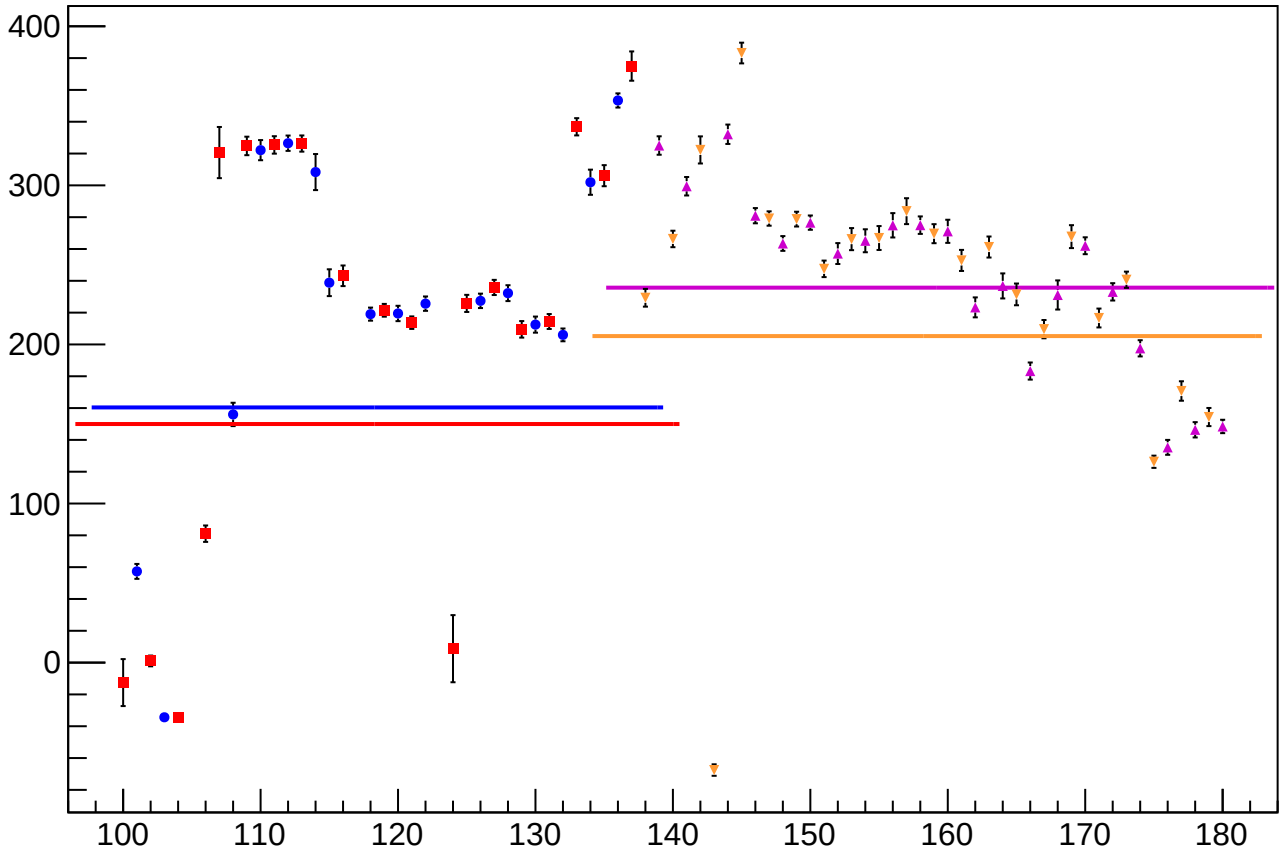
Left: 7.324+/-0.618 χ^2/NDF: 756.1/42

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 9.346+/-0.690 χ^2/NDF:536.8/36

Out: 9.195+/-0.658 χ^2/NDF:507.7/40

All: 9.267+/-0.476 χ^2/NDF: 1044.5/77



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.256+/-1.190 χ^2/NDF:8540.6/21

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 235.695+/-1.214 χ^2/NDF:2358.8/20

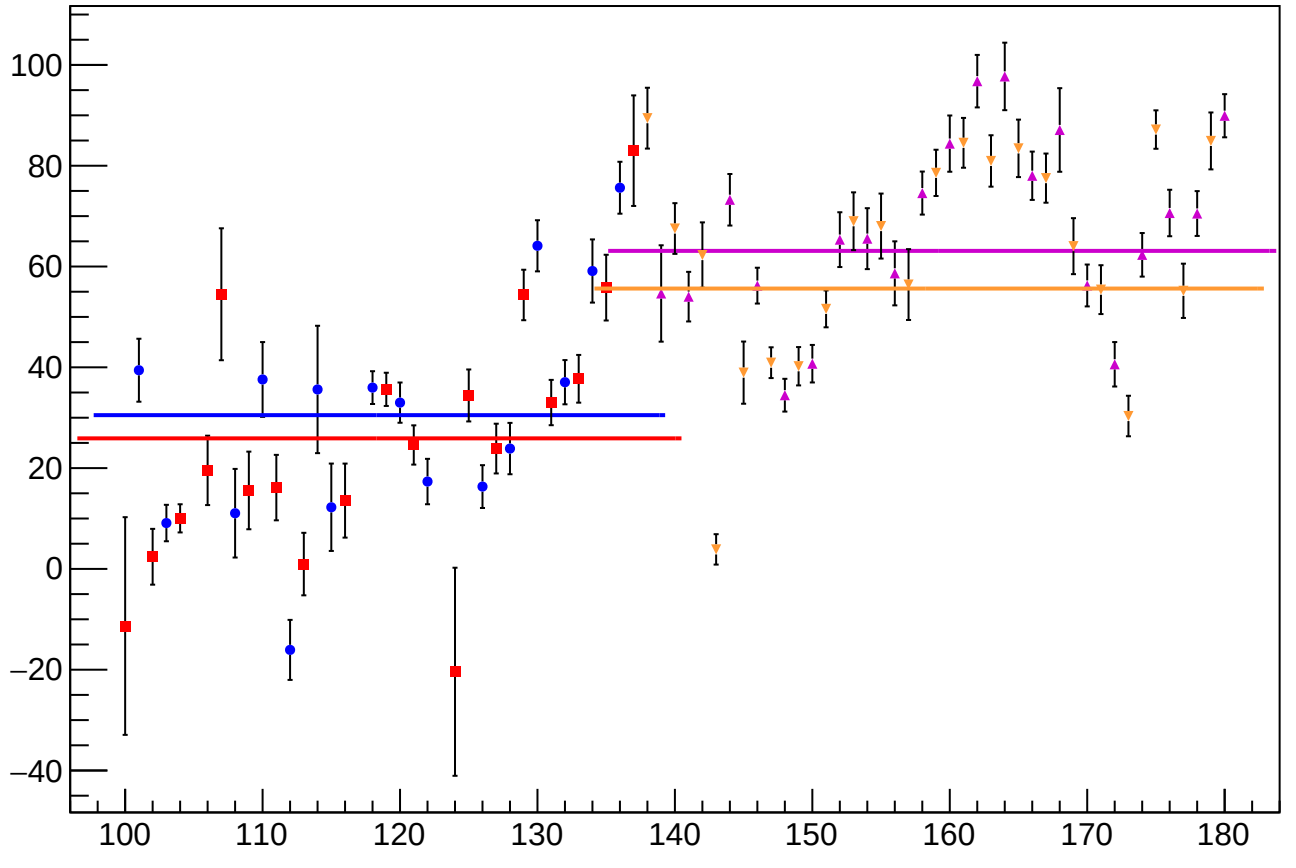
Left: 220.172+/-0.850 χ^2/NDF: 11220.0/42

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 195.652+/-0.831 χ^2/NDF:18354.0/36

Out: 175.612+/-0.810 χ^2/NDF:25962.9/40

All: 185.385+/-0.580 χ^2/NDF: 44615.1/77



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 55.630+/-0.988 χ^2/NDF:654.6/21

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 63.104+/-1.031 χ^2/NDF:308.2/20

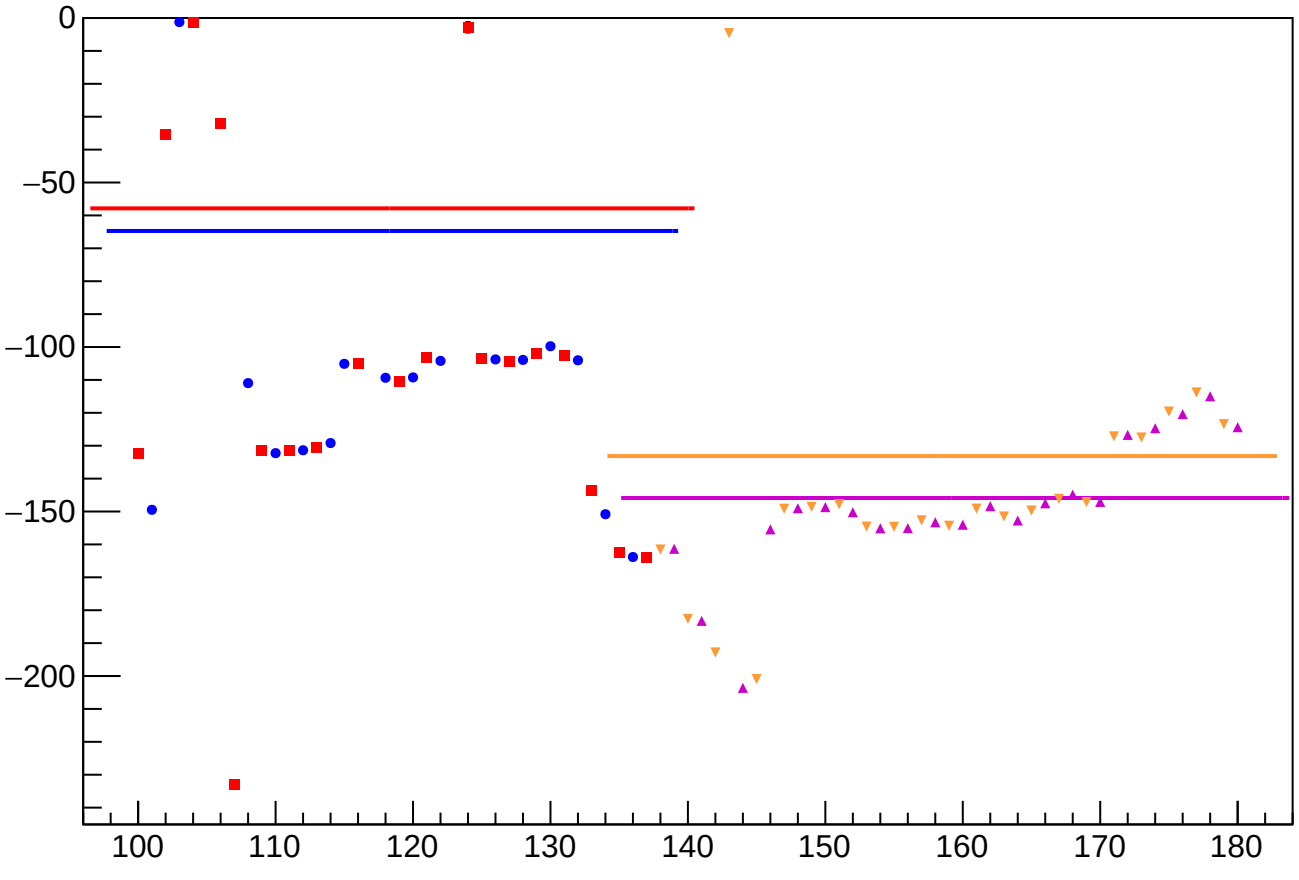
Left: 59.210+/-0.713 χ^2/NDF: 990.3/42

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 49.969+/-0.796 χ^2/NDF:988.2/36

Out: 43.769+/-0.766 χ^2/NDF:1203.3/40

All: 46.750+/-0.552 χ^2/NDF: 2223.0/77



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.144+/-0.046 χ^2/NDF:983310.0/21

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -145.888+/-0.047 χ^2/NDF:157434.1/20

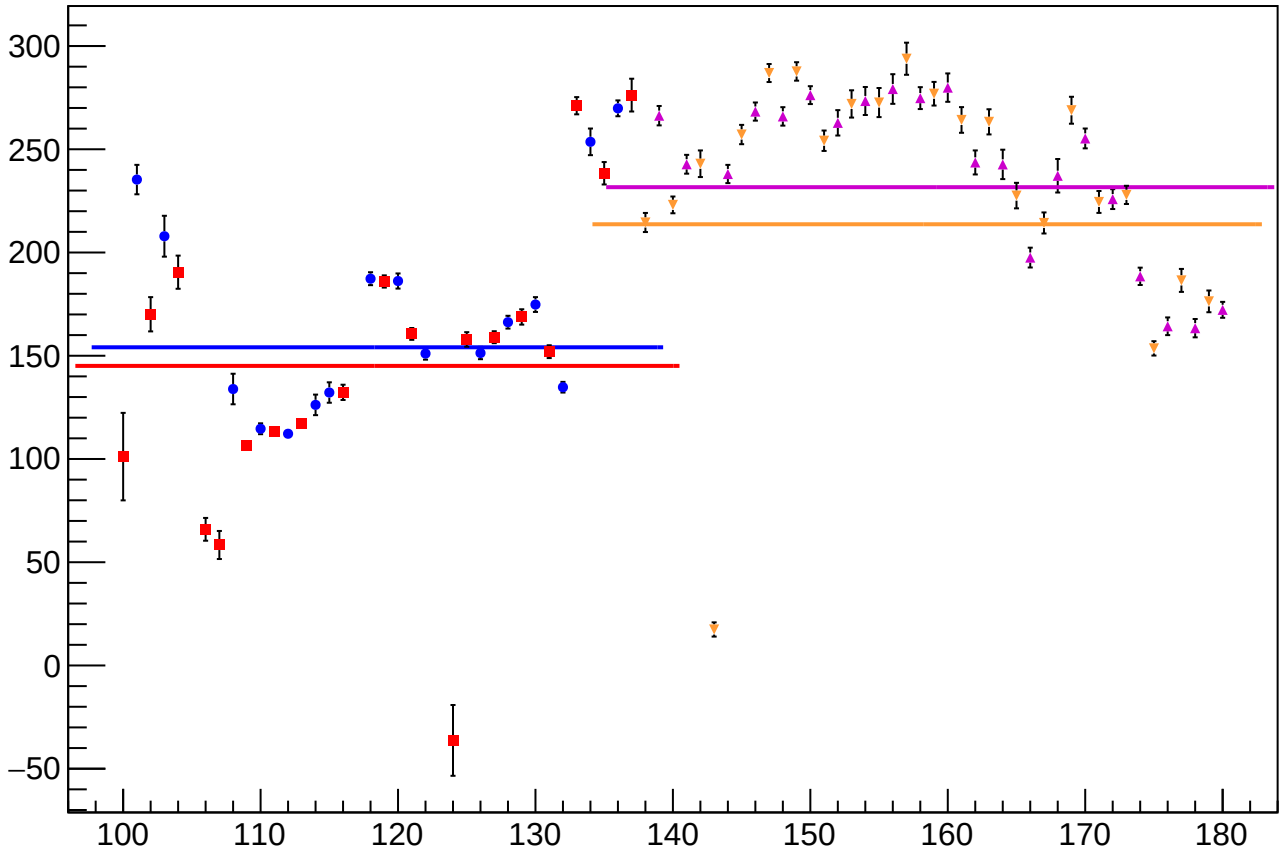
Left: -139.437+/-0.033 χ^2/NDF: 1177962.7/42

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.334+/-0.038 χ^2/NDF:2251110.8/36

Out: -106.184+/-0.037 χ^2/NDF:2801138.2/40

All: -111.663+/-0.027 χ^2/NDF: 5096422.8/77



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.679+/-1.069 χ^2/NDF:4953.8/21

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 231.639+/-1.086 χ^2/NDF:1429.8/20

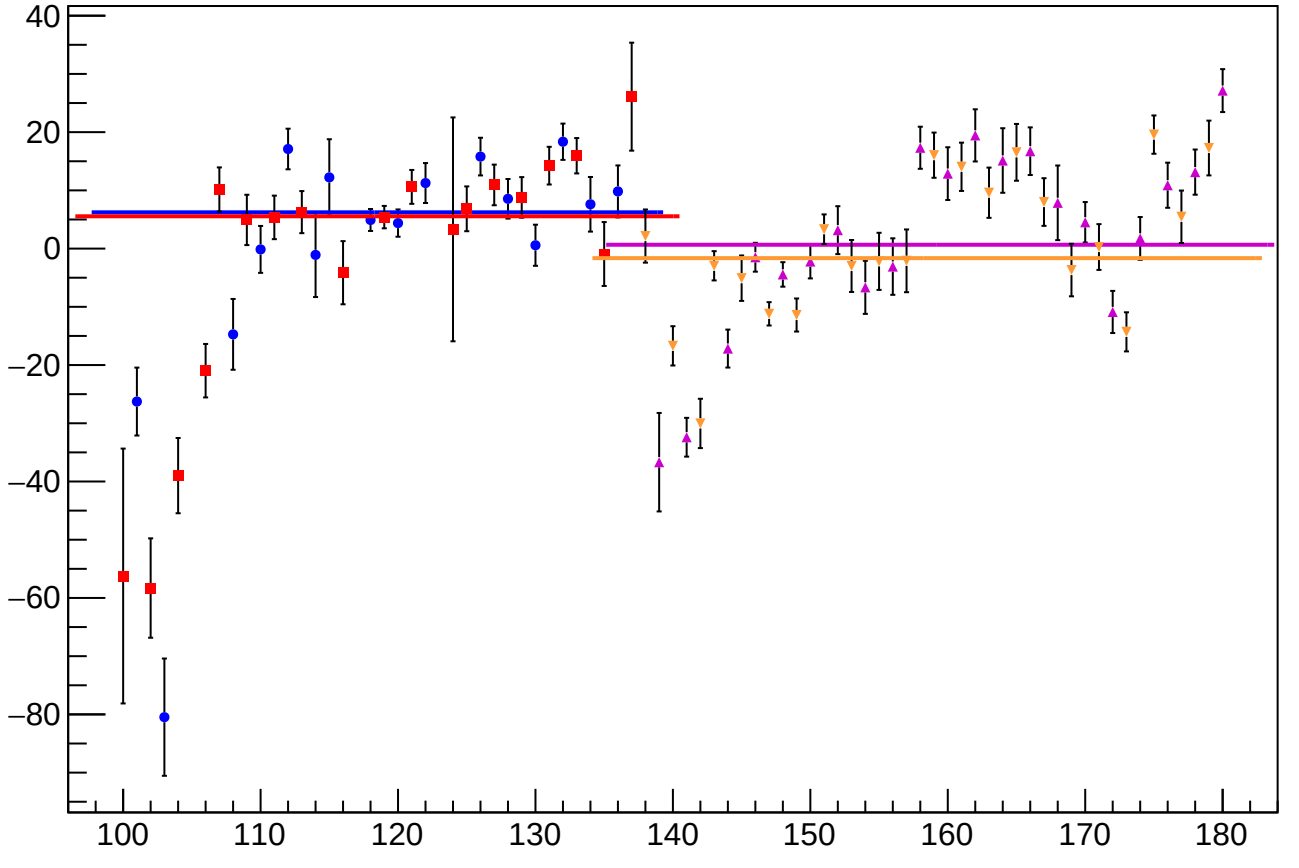
Left: 222.522+/-0.762 χ^2/NDF: 6522.5/42

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 184.373+/-0.679 χ^2/NDF:6819.0/36

Out: 170.713+/-0.654 χ^2/NDF:10488.9/40

All: 177.289+/-0.471 χ^2/NDF: 17518.1/77



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -1.639+/-0.759 χ^2/NDF:241.3/21

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: 0.661+/-0.794 χ^2/NDF:309.1/20

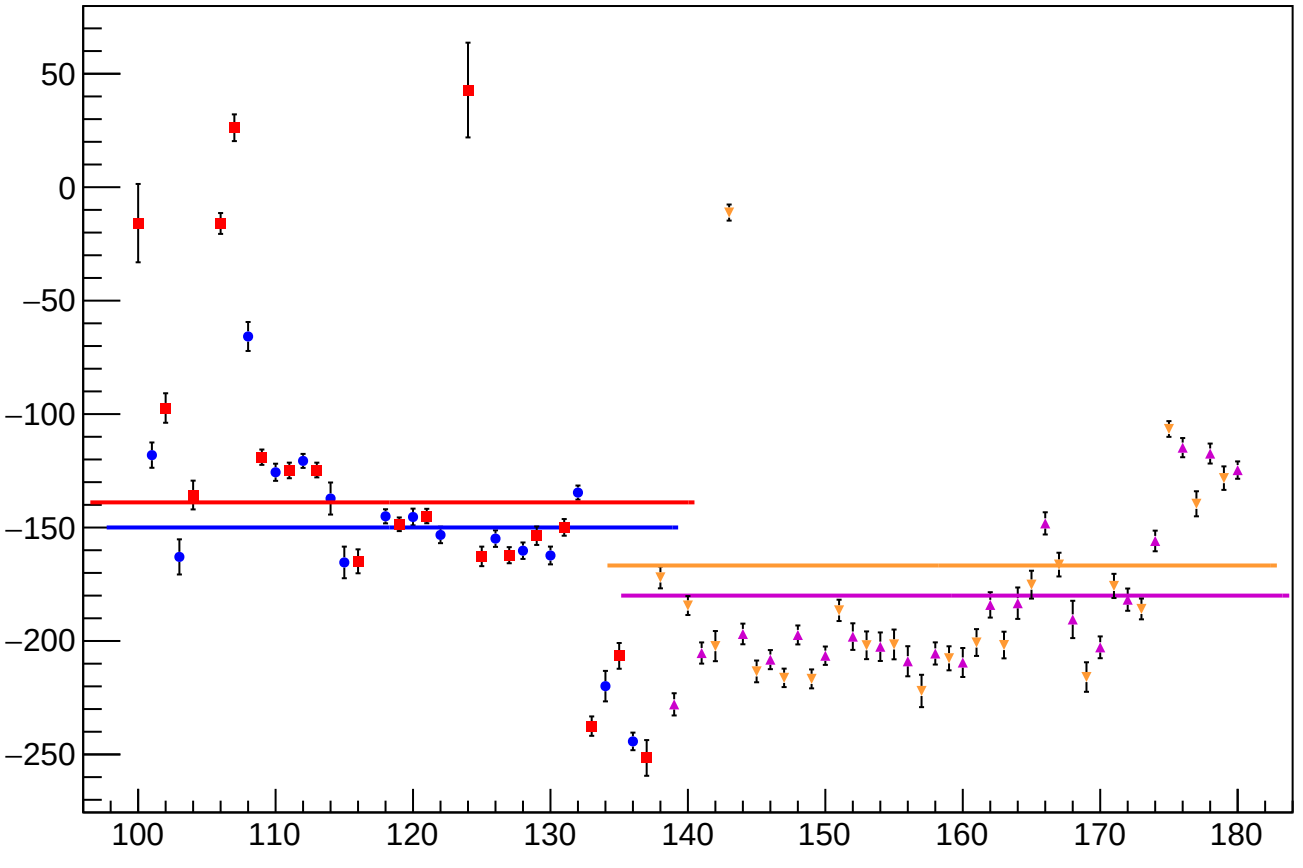
Left: -0.541+/-0.548 χ^2/NDF: 554.7/42

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 3.128+/-0.592 χ^2/NDF:492.9/36

Out: 1.388+/-0.577 χ^2/NDF:460.2/40

All: 2.235+/-0.413 χ^2/NDF: 957.6/77



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -166.727+/-1.057 χ^2/NDF:3088.2/21

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -179.998+/-1.071 χ^2/NDF:1078.1/20

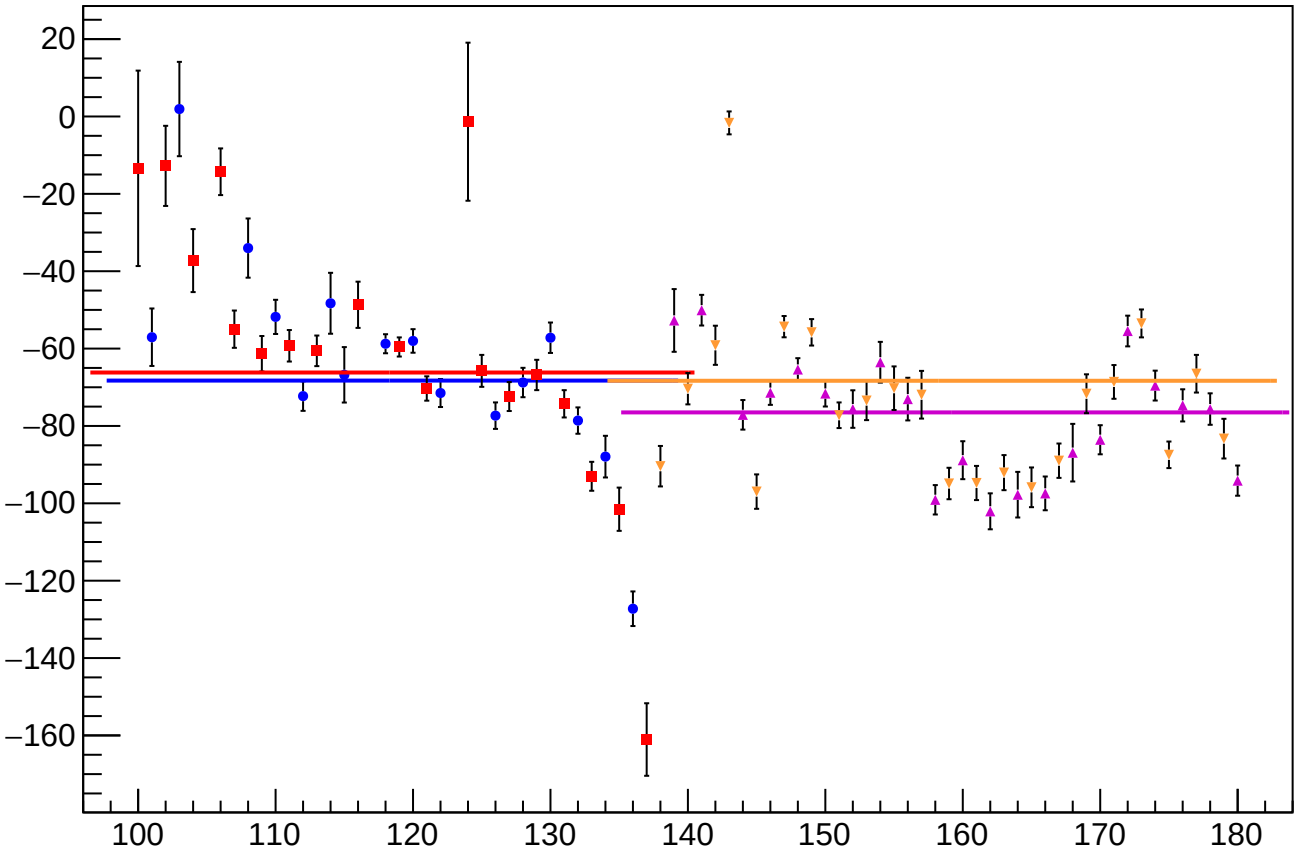
Left: -173.277+/-0.752 χ^2/NDF: 4244.2/42

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -164.340+/-0.741 χ^2/NDF:2587.8/36

Out: -151.958+/-0.724 χ^2/NDF:6206.8/40

All: -158.008+/-0.518 χ^2/NDF: 8937.5/77



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -68.321+/-0.880 χ^2/NDF:830.8/21

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -76.498+/-0.910 χ^2/NDF:244.1/20

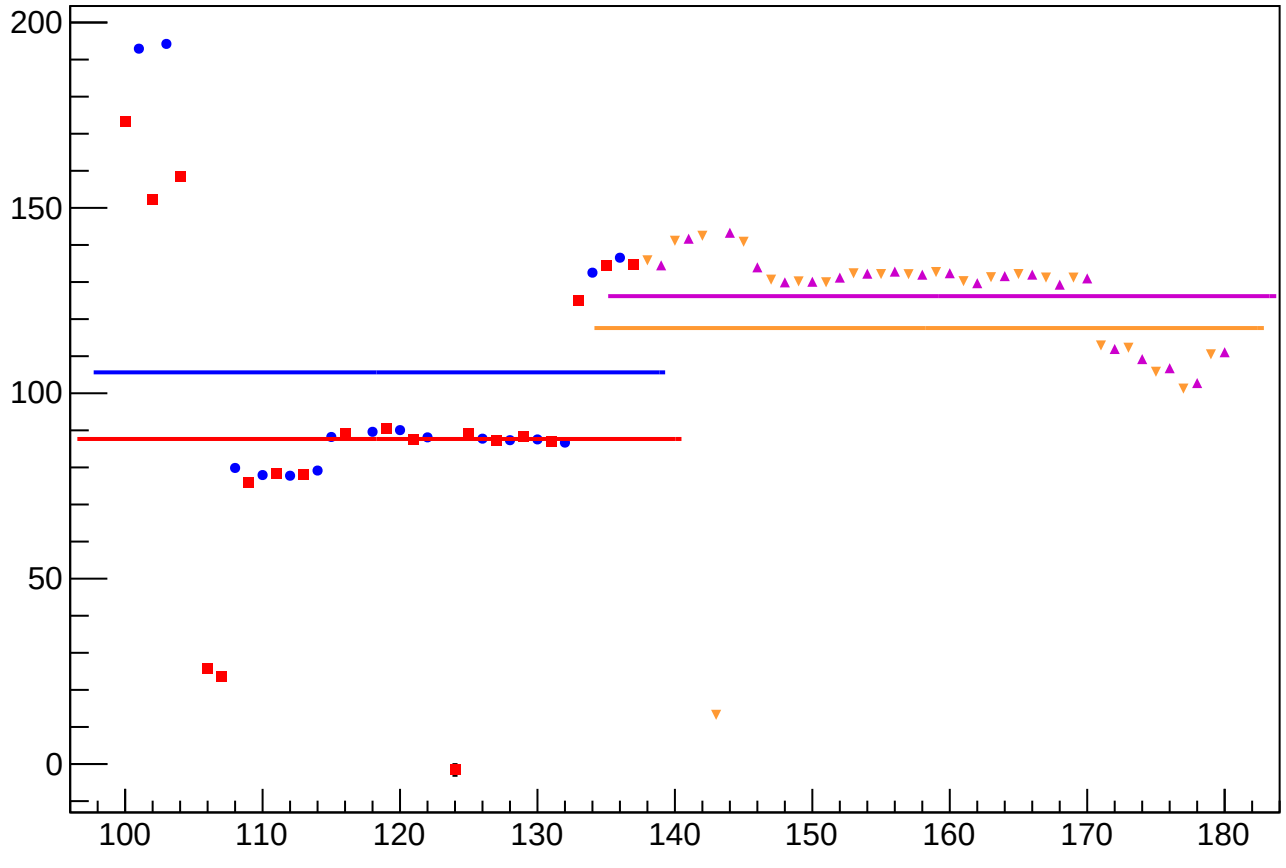
Left: -72.273+/-0.633 χ^2/NDF: 1116.5/42

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.903+/-0.683 χ^2/NDF:595.2/36

Out: -67.413+/-0.668 χ^2/NDF:1191.6/40

All: -70.095+/-0.477 χ^2/NDF: 1819.8/77



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.589+/-0.041 χ^2/NDF:621076.0/21

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 126.195+/-0.041 χ^2/NDF:77117.0/20

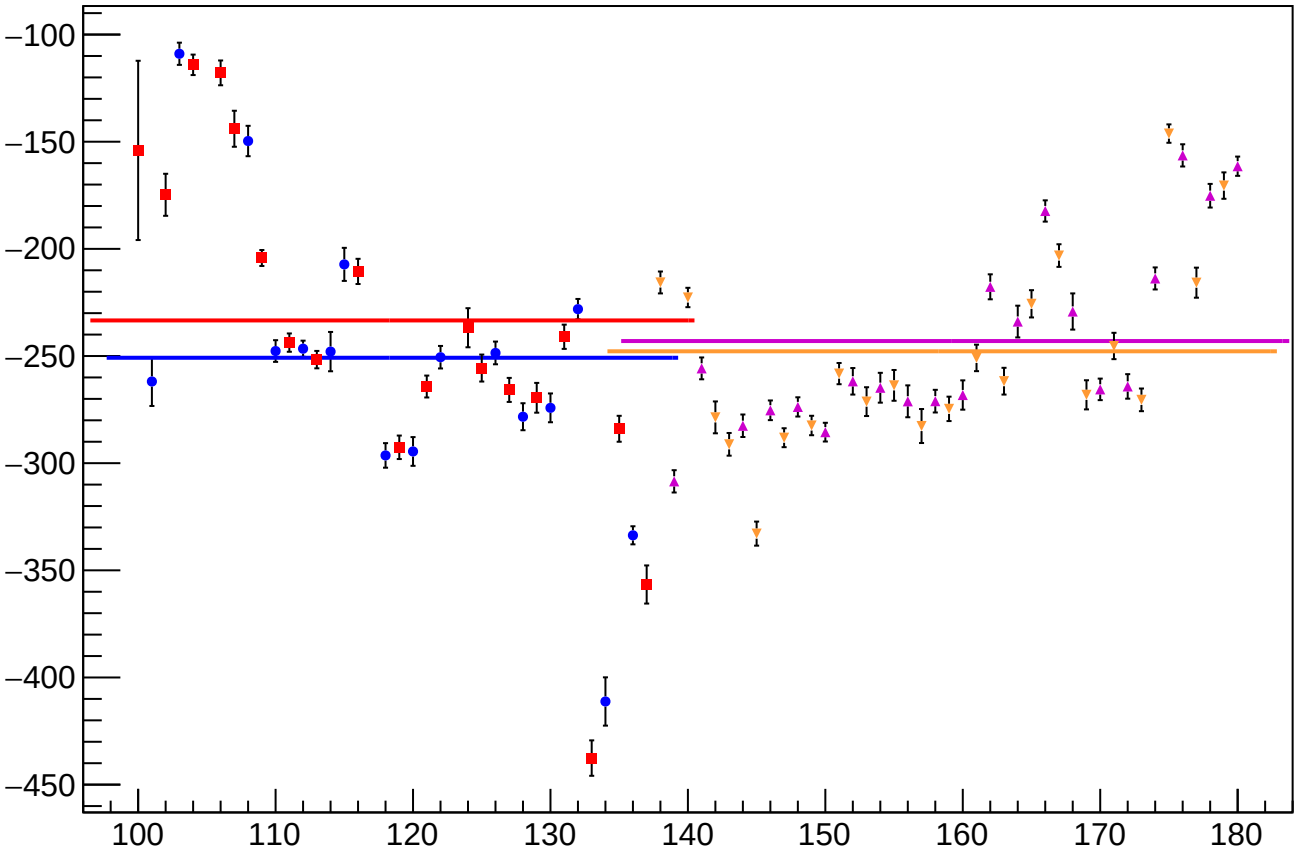
Left: 121.867+/-0.029 χ^2/NDF: 719850.7/42

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.948+/-0.036 χ^2/NDF:379446.9/36

Out: 109.124+/-0.035 χ^2/NDF:1144533.9/40

All: 114.889+/-0.025 χ^2/NDF: 1579908.9/77



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -247.798+/-1.196 χ^2/NDF:1444.1/21

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -243.013+/-1.184 χ^2/NDF:1485.5/20

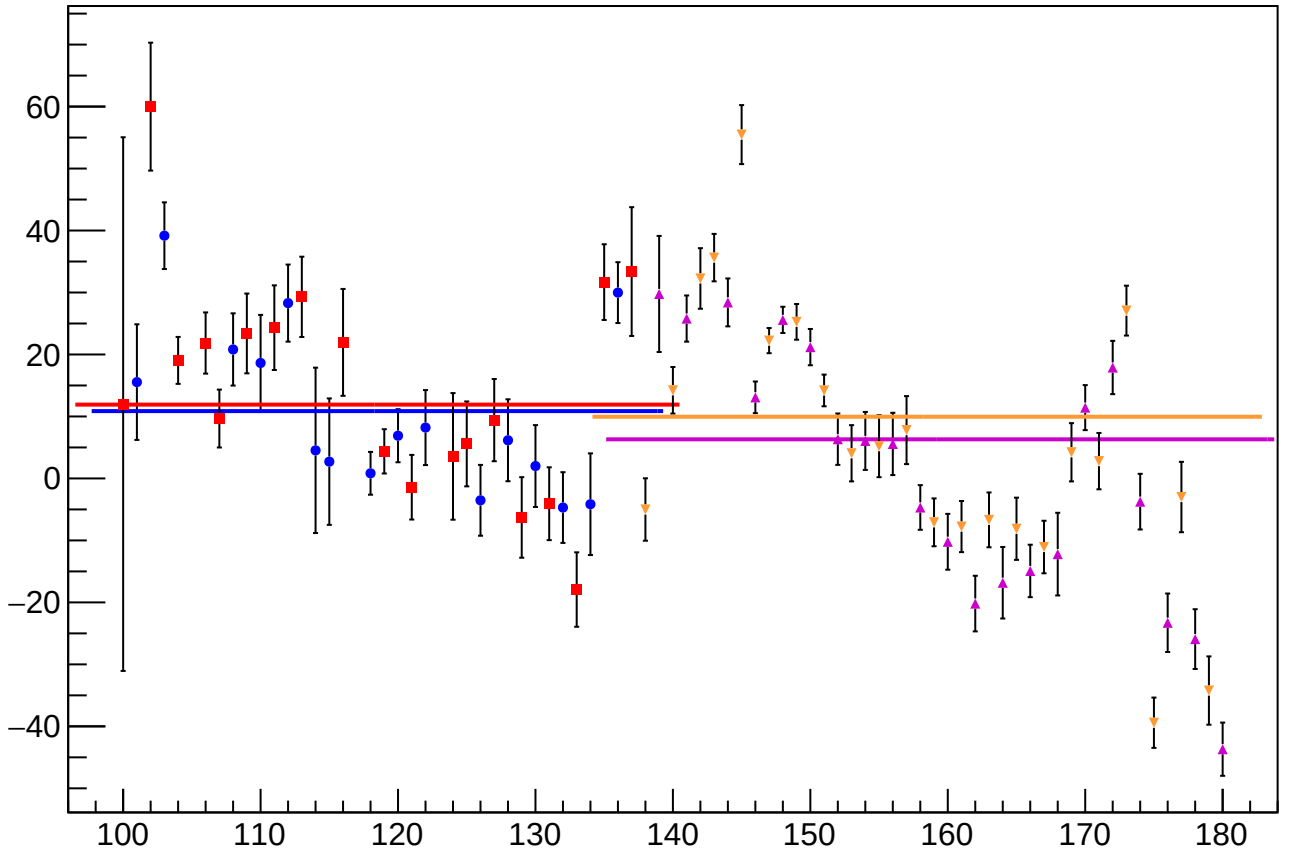
Left: -245.381+/-0.842 χ^2/NDF: 2937.7/42

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -246.164+/-0.914 χ^2/NDF:3238.7/36

Out: -241.375+/-0.890 χ^2/NDF:3887.3/40

All: -243.706+/-0.638 χ^2/NDF: 7140.1/77



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 9.958+/-0.829 χ^2/NDF:567.0/21

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 6.310+/-0.847 χ^2/NDF:522.8/20

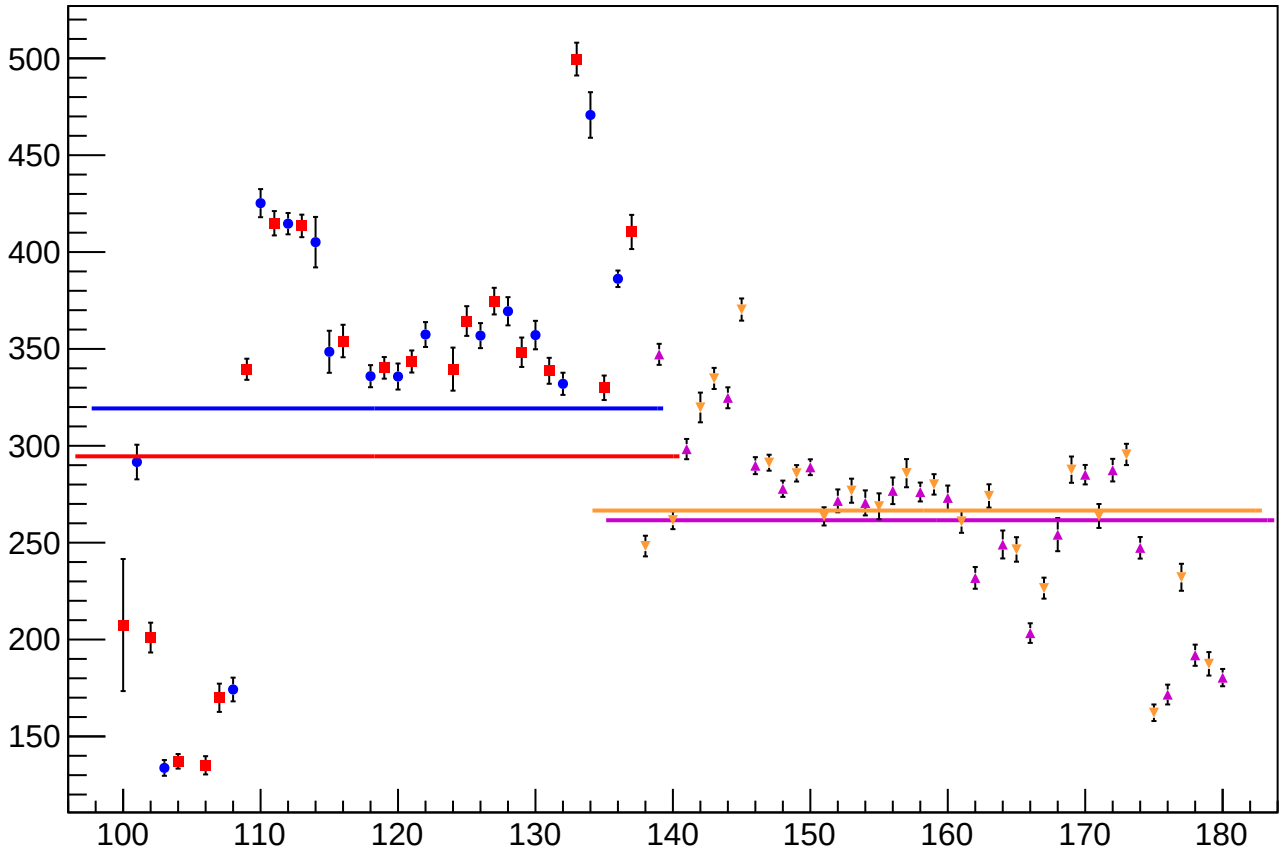
Left: 8.174+/-0.593 χ^2/NDF: 1099.3/42

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 7.445+/-0.734 χ^2/NDF:614.7/36

Out: 10.483+/-0.709 χ^2/NDF:680.4/40

All: 9.017+/-0.510 χ^2/NDF: 1303.9/77



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 266.590+/-1.174 χ^2/NDF:1514.8/21

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 261.577+/-1.162 χ^2/NDF:1573.0/20

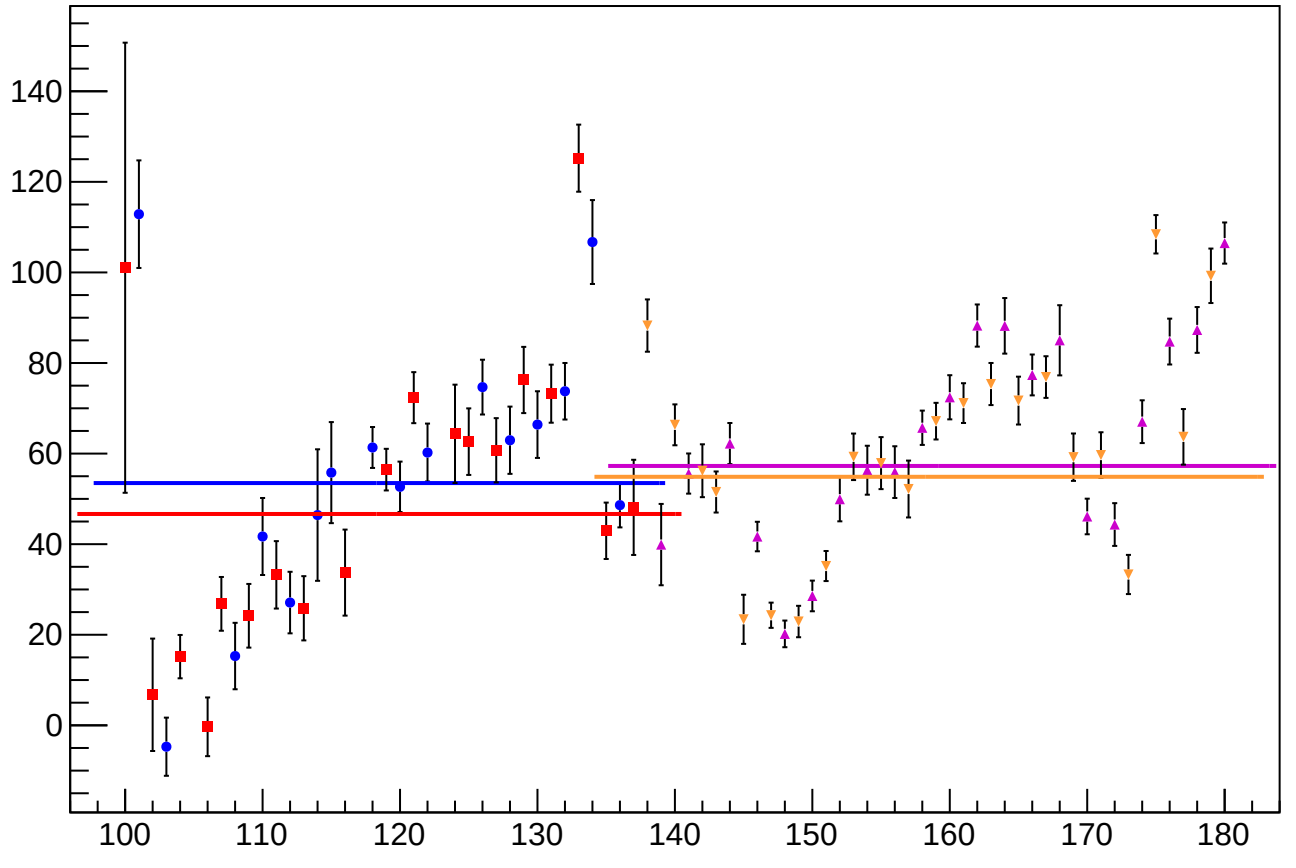
Left: 264.056+/-0.826 χ^2/NDF: 3096.9/42

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 281.731+/-0.937 χ^2/NDF:6227.7/36

Out: 277.387+/-0.920 χ^2/NDF:7237.0/40

All: 279.519+/-0.657 χ^2/NDF: 13475.6/77



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 54.876+/-0.967 χ^2/NDF:633.9/21

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 57.272+/-0.977 χ^2/NDF:579.7/20

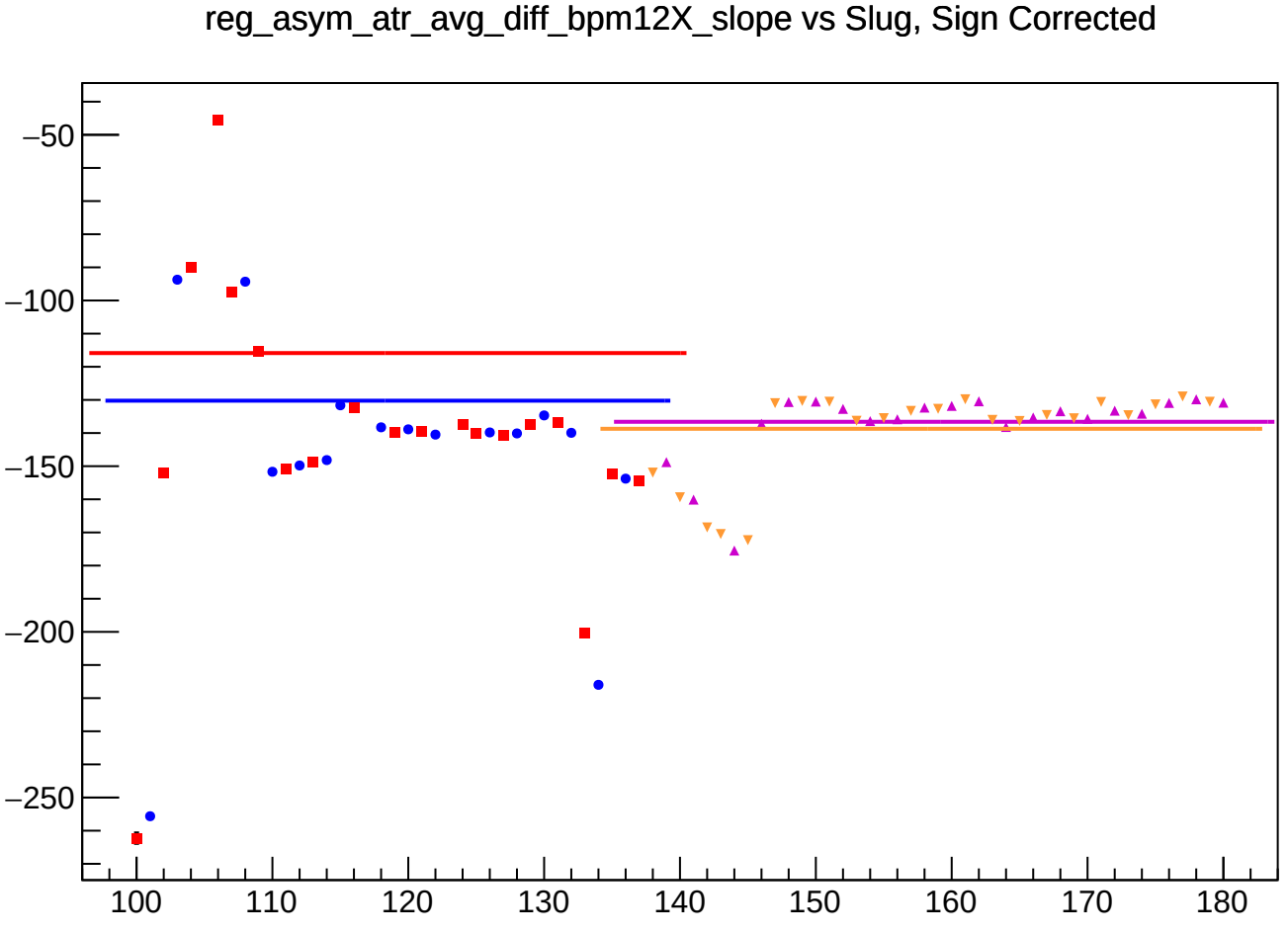
Left: 56.061+/-0.688 χ^2/NDF: 1216.6/42

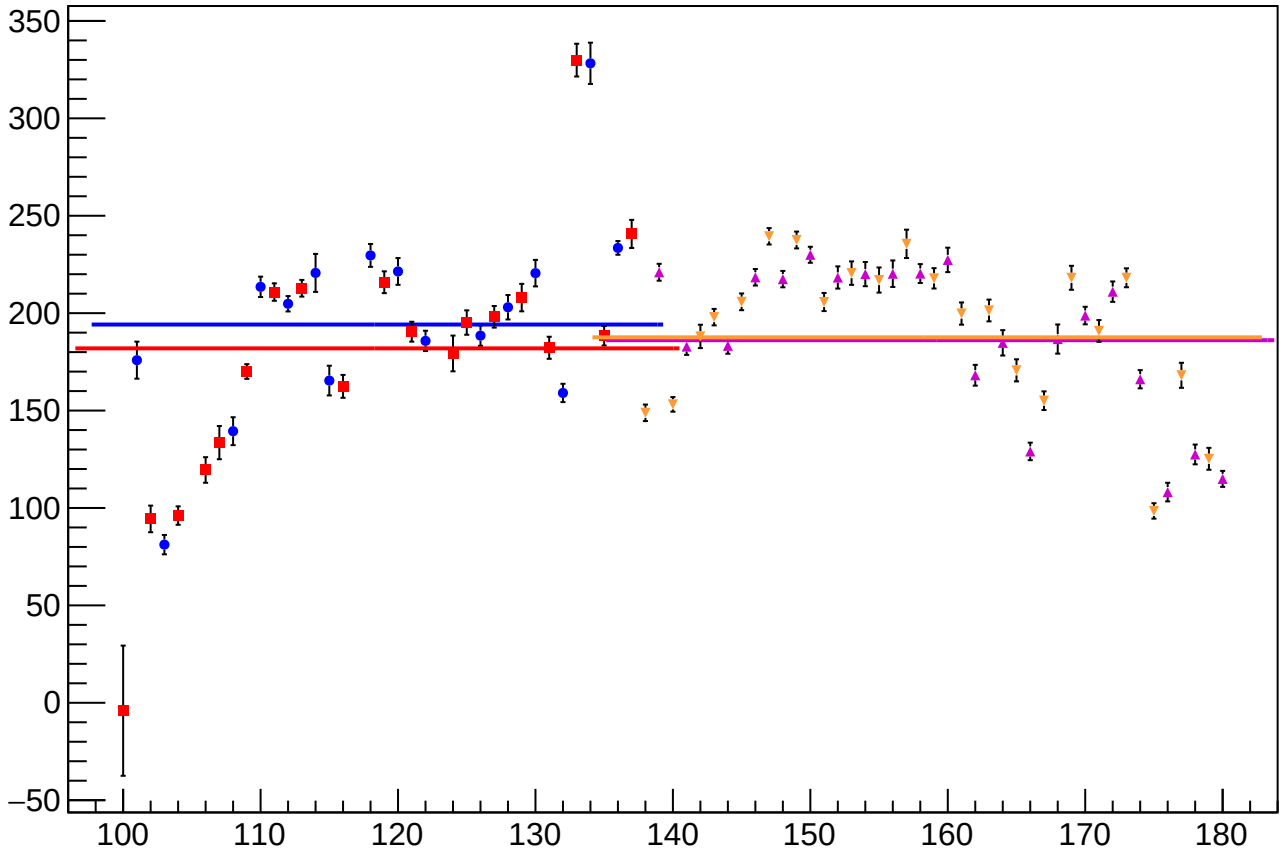
Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 56.332+/-0.847 χ^2/NDF:800.6/36

Out: 52.665+/-0.827 χ^2/NDF:978.9/40

All: 54.454+/-0.592 χ^2/NDF: 1789.1/77


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -138.718+/-0.045 χ²/NDF:80552.4/21
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -136.607+/-0.045 χ²/NDF:49496.9/20
Left: -137.645+/-0.032 χ²/NDF: 131143.4/42
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.367+/-0.040 χ²/NDF:227645.3/36
Out: -133.695+/-0.040 χ²/NDF:341907.2/40
All: -134.531+/-0.028 χ²/NDF: 570418.1/77



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 187.582+/-1.062 χ^2/NDF:1389.7/21

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 186.114+/-1.063 χ^2/NDF:1394.7/20

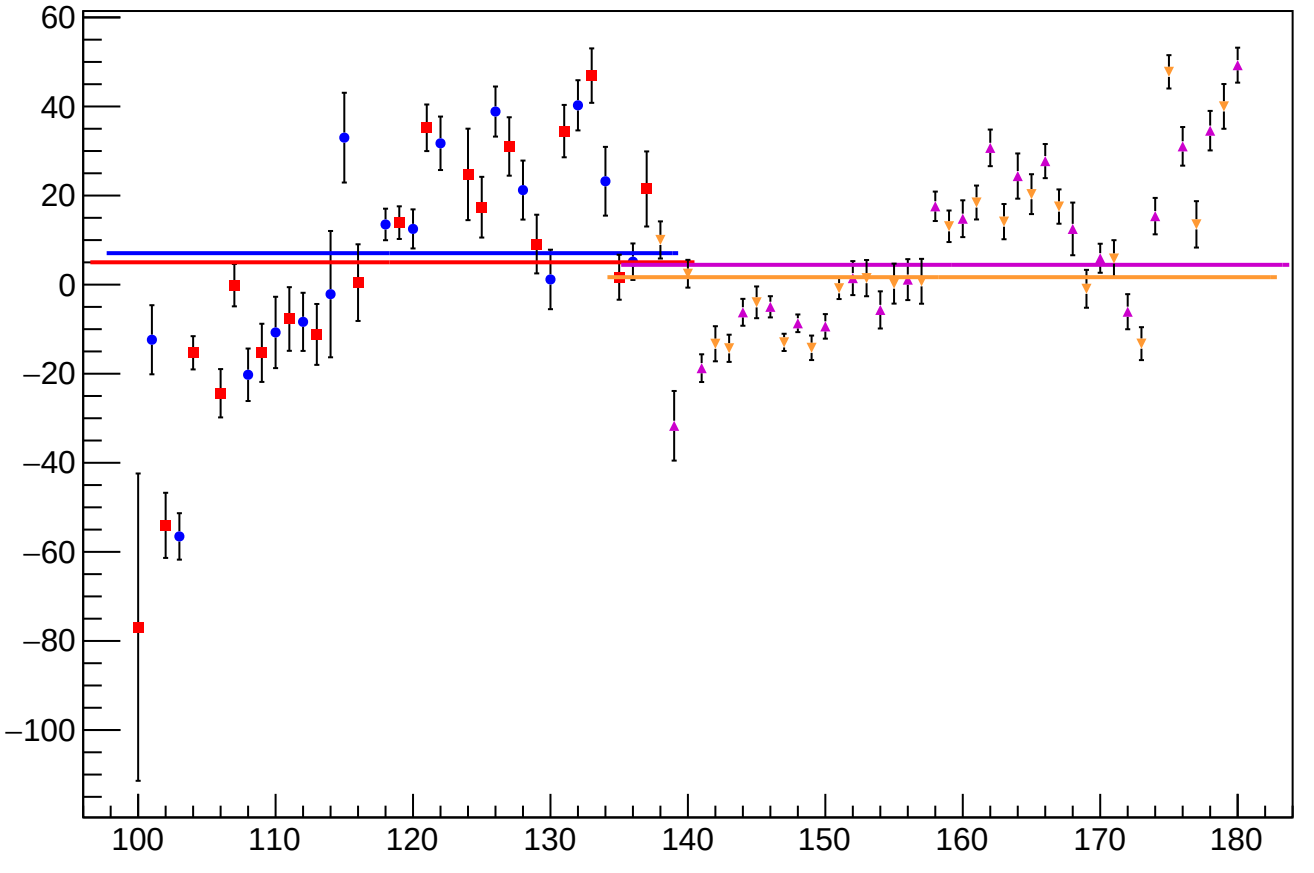
Left: 186.849+/-0.751 χ^2/NDF: 2785.4/42

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 189.041+/-0.848 χ^2/NDF:2450.7/36

Out: 185.363+/-0.828 χ^2/NDF:2605.7/40

All: 187.158+/-0.592 χ^2/NDF: 5066.0/77



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 1.674+/-0.746 χ^2/NDF:447.1/21

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 4.446+/-0.767 χ^2/NDF:526.9/20

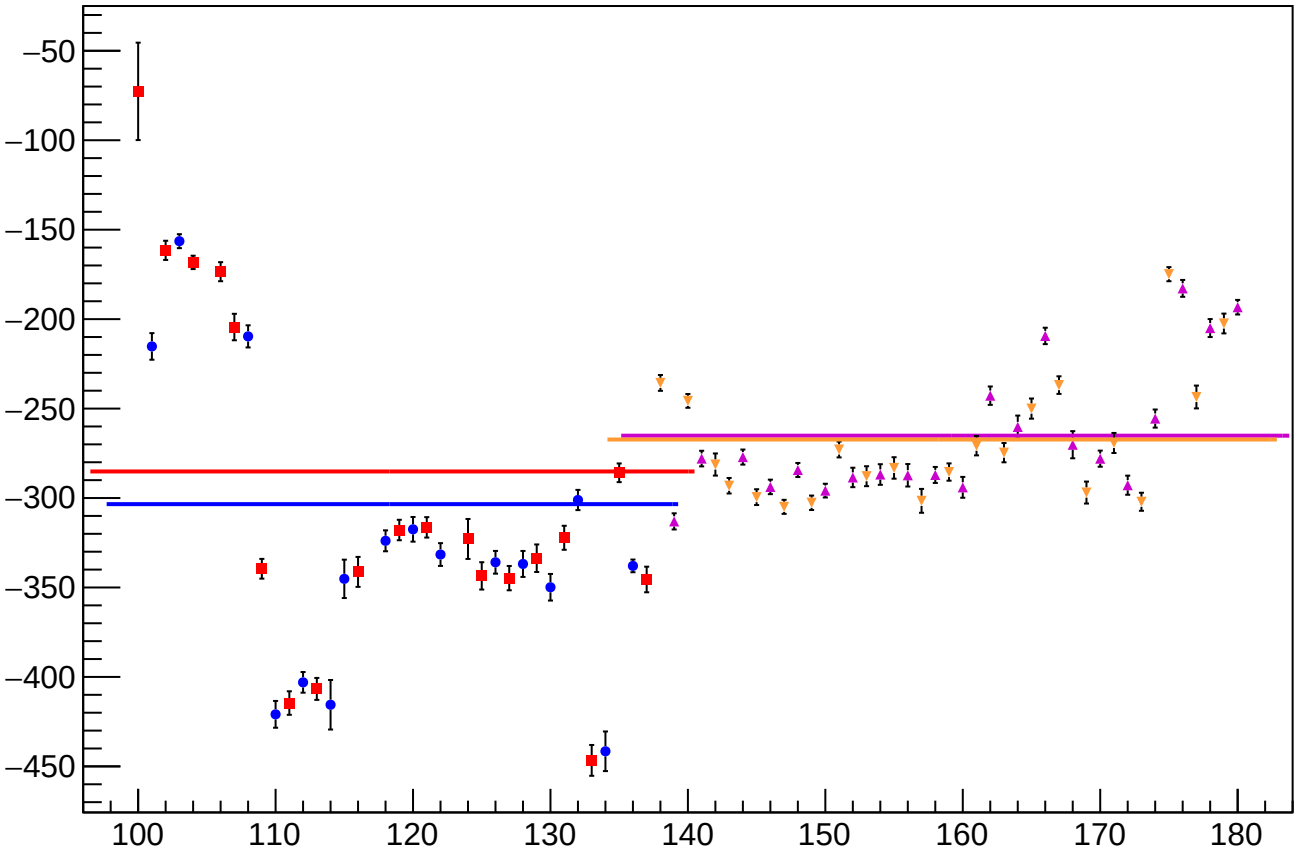
Left: 3.021+/-0.535 χ^2/NDF: 980.7/42

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 5.024+/-0.678 χ^2/NDF:822.0/36

Out: 2.452+/-0.654 χ^2/NDF:740.3/40

All: 3.691+/-0.470 χ^2/NDF: 1569.8/77



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -267.294+/-1.047 χ^2/NDF:1228.7/21

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -265.149+/-1.045 χ^2/NDF:1324.4/20

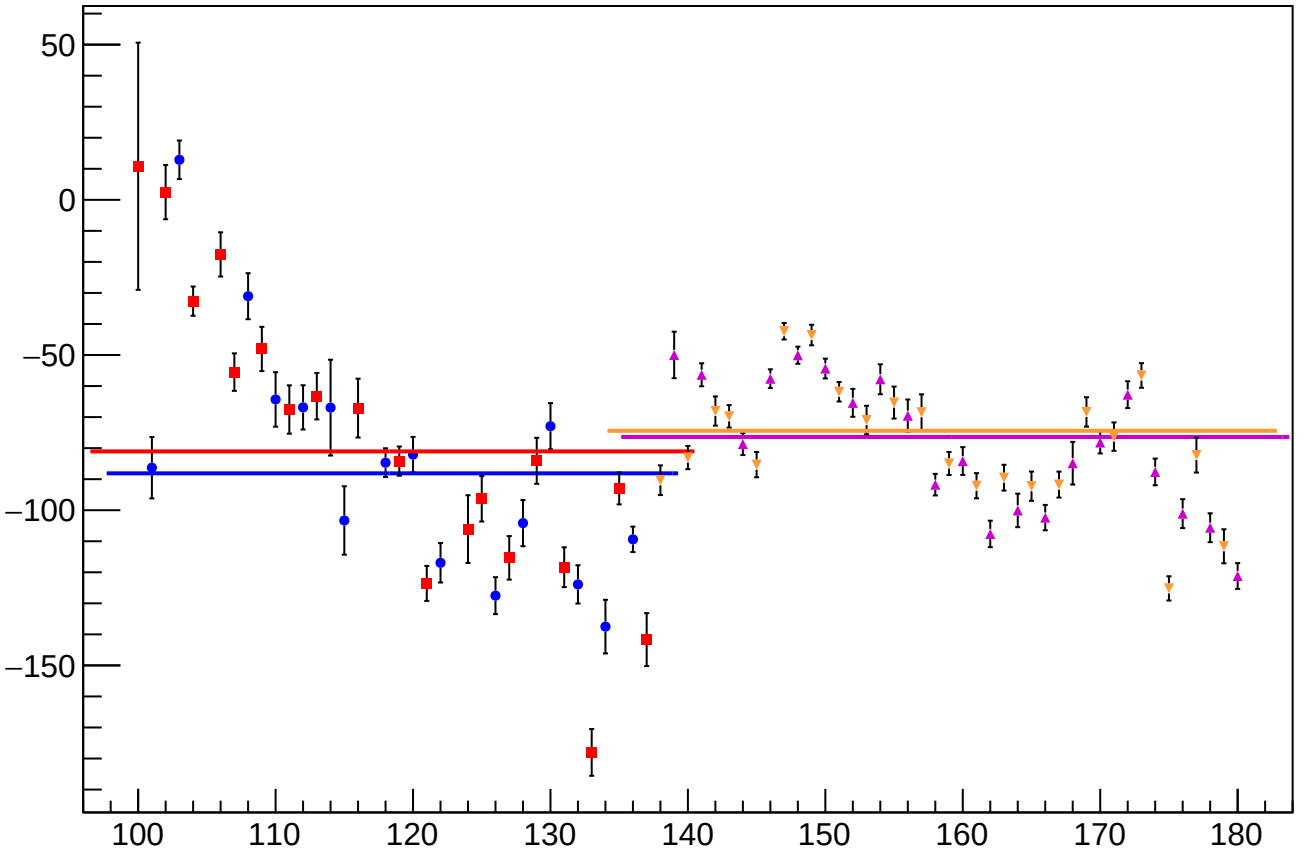
Left: -266.219+/-0.740 χ^2/NDF: 2555.2/42

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -277.324+/-0.863 χ^2/NDF:4536.2/36

Out: -273.408+/-0.849 χ^2/NDF:5083.1/40

All: -275.334+/-0.605 χ^2/NDF: 9629.8/77



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -74.411+/-0.868 χ^2/NDF:591.6/21

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -76.411+/-0.884 χ^2/NDF:580.3/20

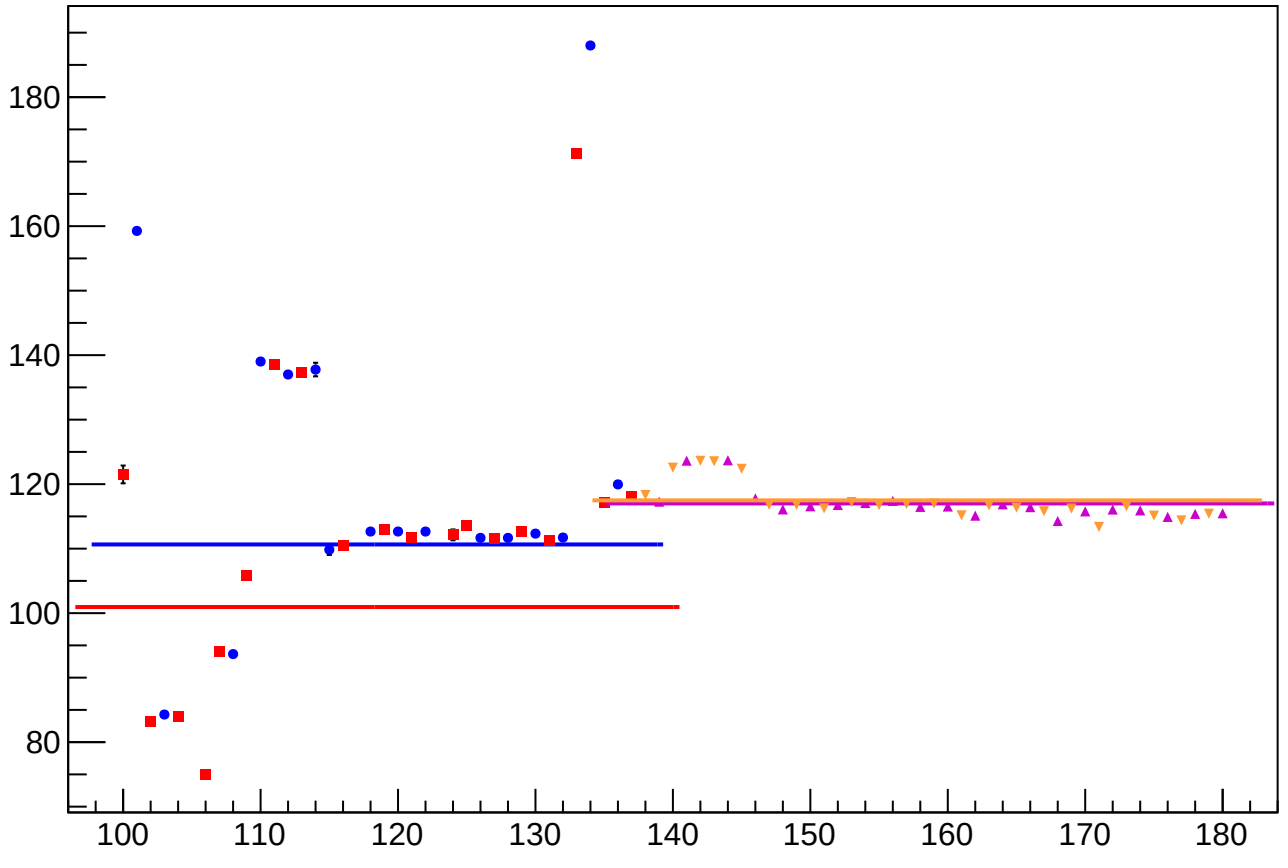
Left: -75.393+/-0.619 χ^2/NDF: 1174.5/42

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -79.010+/-0.780 χ^2/NDF:1131.2/36

Out: -75.967+/-0.760 χ^2/NDF:1282.8/40

All: -77.449+/-0.544 χ^2/NDF: 2421.8/77



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.485+/-0.041 χ^2/NDF:4727.9/21

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.009+/-0.040 χ^2/NDF:3296.2/20

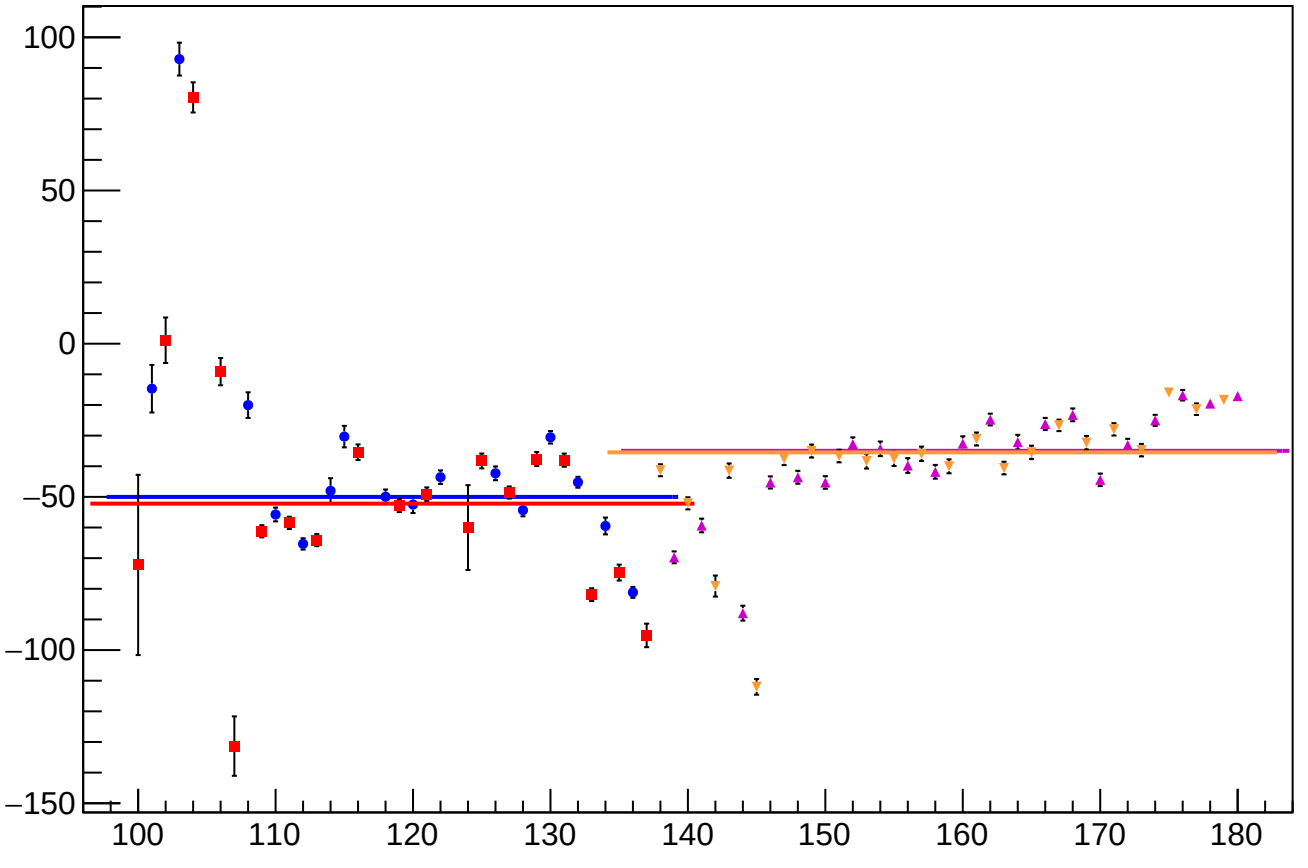
Left: 117.246+/-0.029 χ^2/NDF: 8093.3/42

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.860+/-0.036 χ^2/NDF:91315.6/36

Out: 114.160+/-0.036 χ^2/NDF:100050.8/40

All: 115.006+/-0.026 χ^2/NDF: 192457.8/77



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -35.469+/-0.443 χ^2/NDF:1533.6/21

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -34.968+/-0.436 χ^2/NDF:1507.0/20

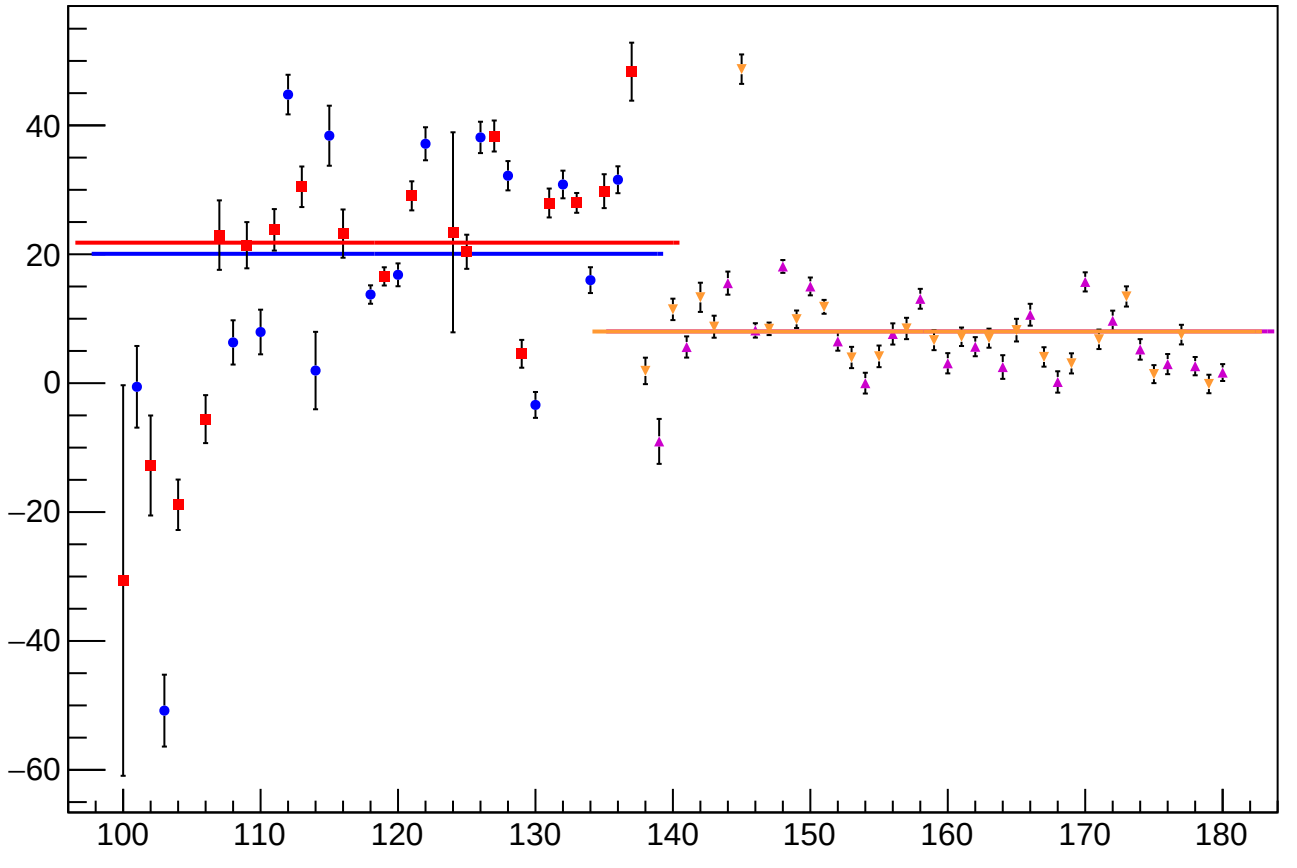
Left: -35.214+/-0.311 χ^2/NDF: 3041.2/42

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -40.051+/-0.355 χ^2/NDF:3236.8/36

Out: -41.319+/-0.358 χ^2/NDF:3601.8/40

All: -40.679+/-0.252 χ^2/NDF: 6844.9/77



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.015+/-0.321 χ^2/NDF:448.0/21

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.033+/-0.327 χ^2/NDF:333.8/20

Left: 8.024+/-0.229 χ^2/NDF: 781.9/42

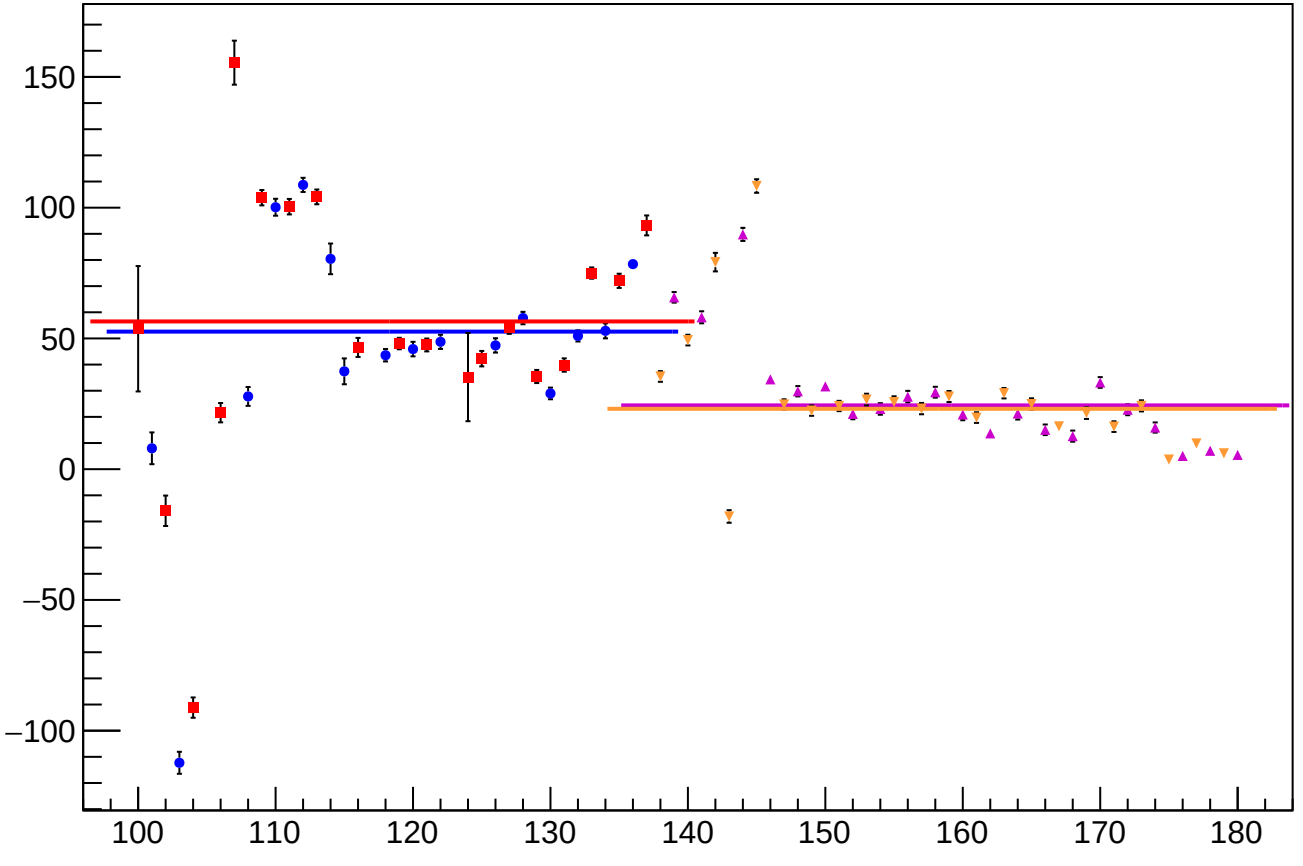
Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 10.706+/-0.288 χ^2/NDF:1271.2/36

Out: 10.917+/-0.285 χ^2/NDF:1232.1/40

All: 10.812+/-0.203 χ^2/NDF: 2503.5/77

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 23.087+/-0.436 χ^2/NDF:2209.1/21

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 24.398+/-0.429 χ^2/NDF:1946.7/20

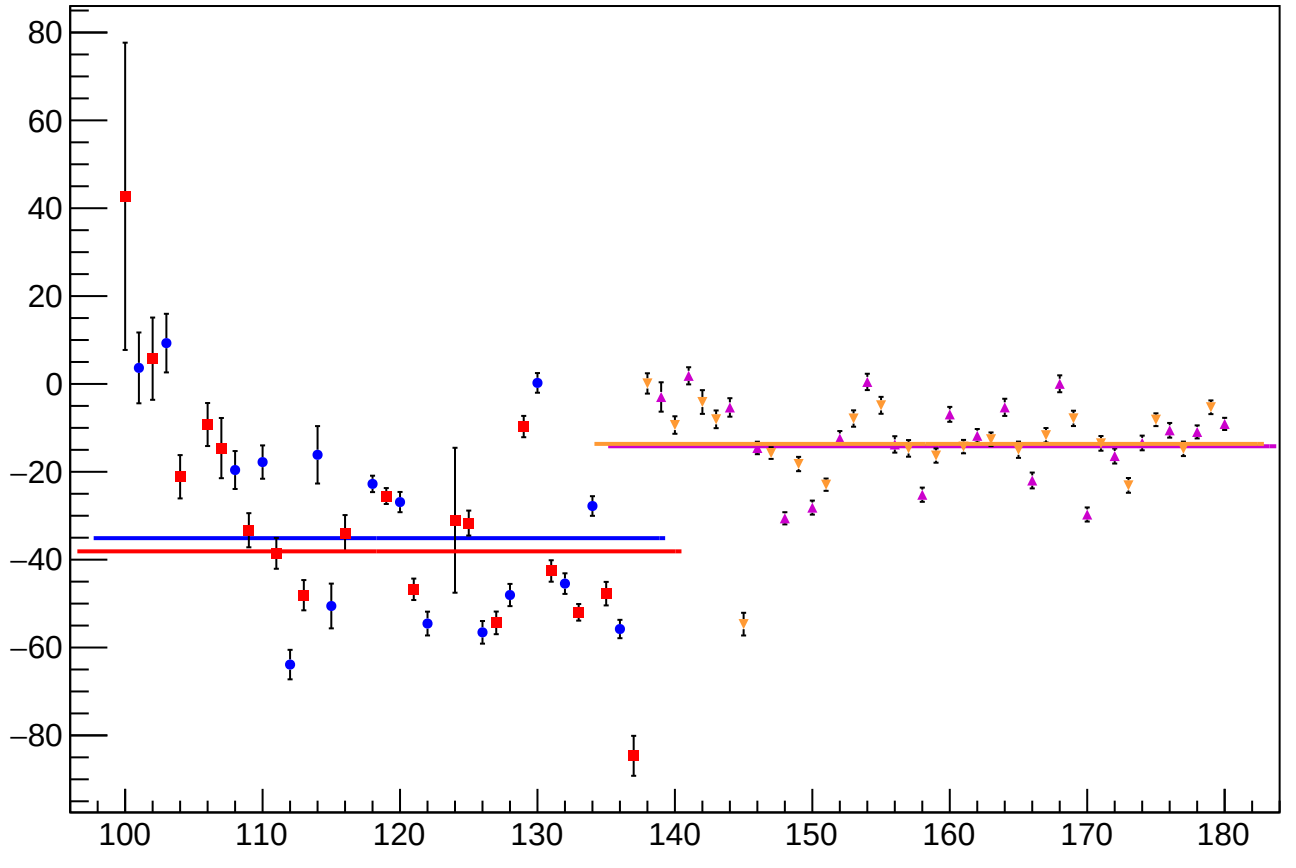
Left: 23.753+/-0.306 χ^2/NDF: 4160.4/42

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 32.149+/-0.365 χ^2/NDF:5796.0/36

Out: 32.310+/-0.371 χ^2/NDF:6798.7/40

All: 32.228+/-0.260 χ^2/NDF: 12594.9/77



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.646+/-0.367 χ^2/NDF:488.7/21

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.186+/-0.370 χ^2/NDF:655.1/20

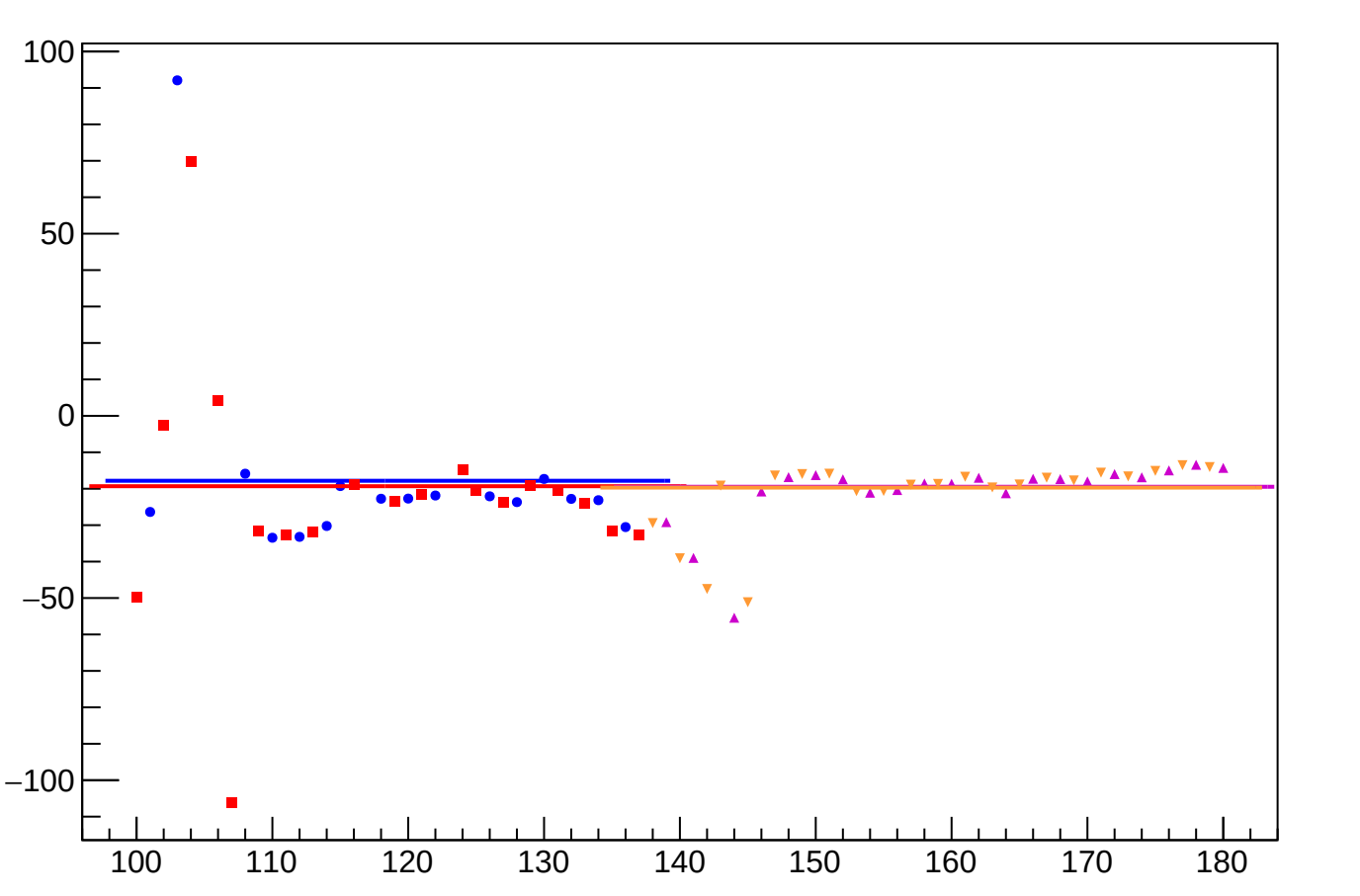
Left: -13.914+/-0.260 χ^2/NDF: 1144.9/42

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -18.750+/-0.327 χ^2/NDF:2126.3/36

Out: -18.753+/-0.326 χ^2/NDF:1932.5/40

All: -18.752+/-0.231 χ^2/NDF: 4058.7/77



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -19.687+/-0.017 χ^2/NDF:226821.4/21

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -19.464+/-0.016 χ^2/NDF:194050.8/20

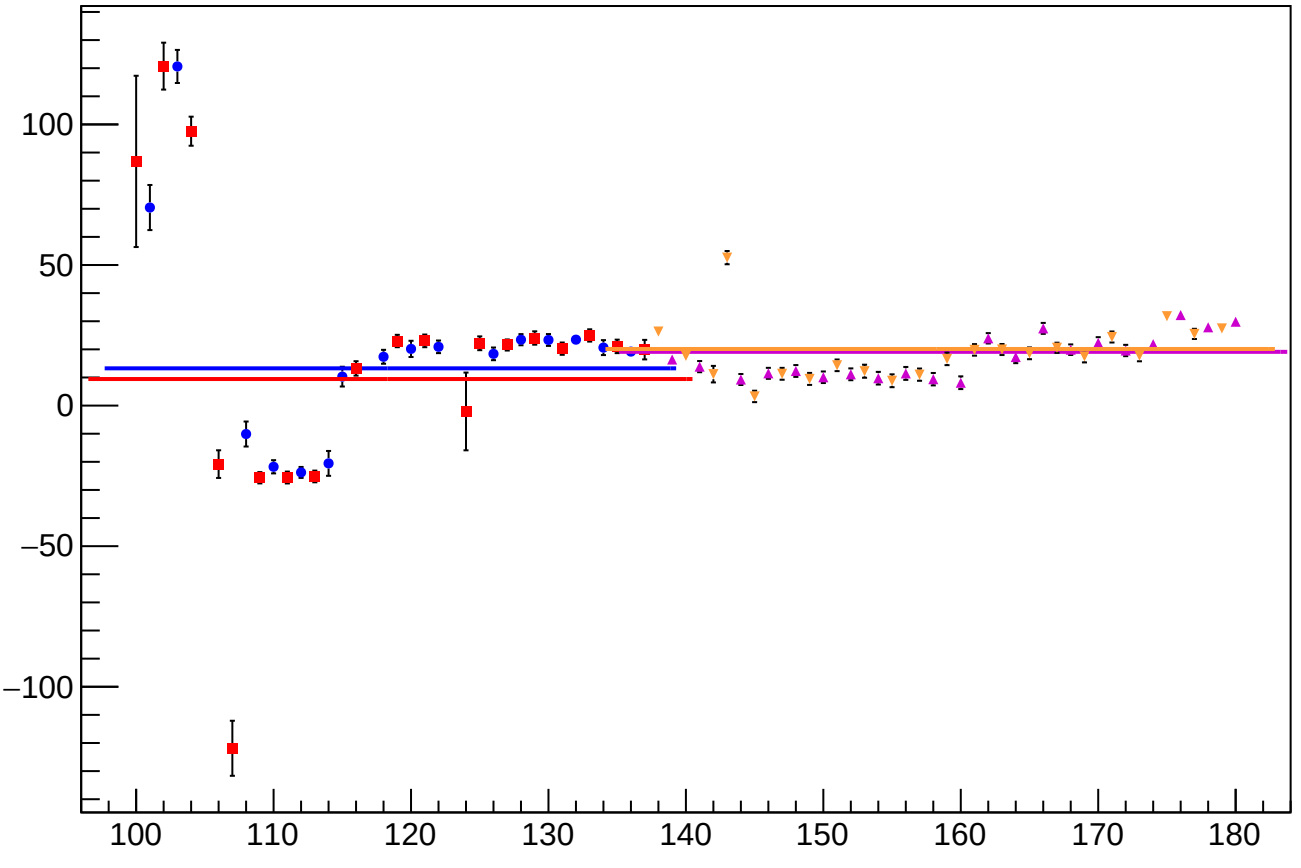
Left: -19.574+/-0.012 χ^2/NDF: 420963.4/42

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -19.256+/-0.015 χ^2/NDF:621424.4/36

Out: -19.644+/-0.016 χ^2/NDF:571507.1/40

All: -19.447+/-0.011 χ^2/NDF: 1193244.3/77



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.134+/-0.422 χ^2/NDF:493.3/21

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 19.117+/-0.415 χ^2/NDF:355.8/20

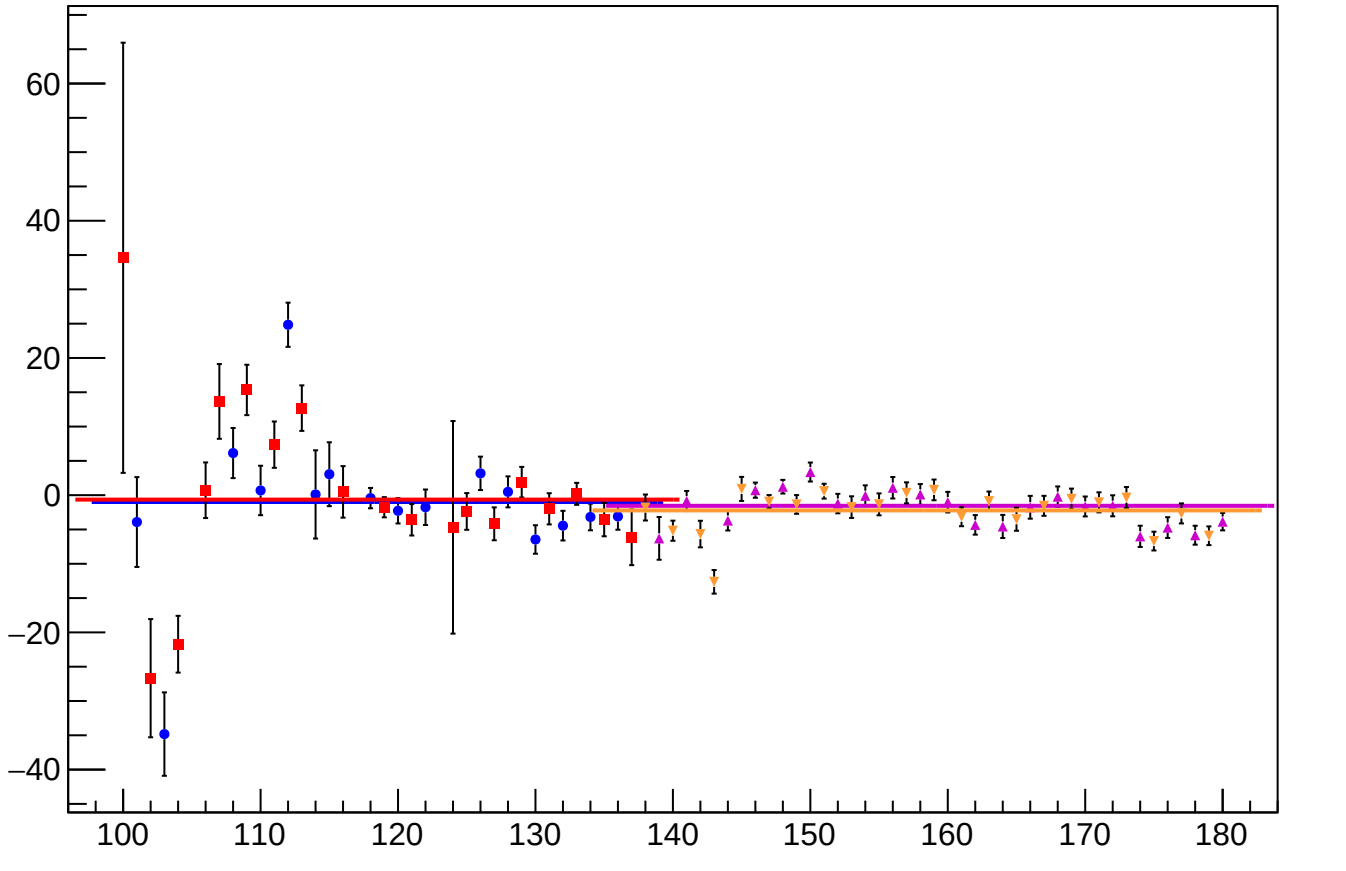
Left: 19.617+/-0.296 χ^2/NDF: 852.1/42

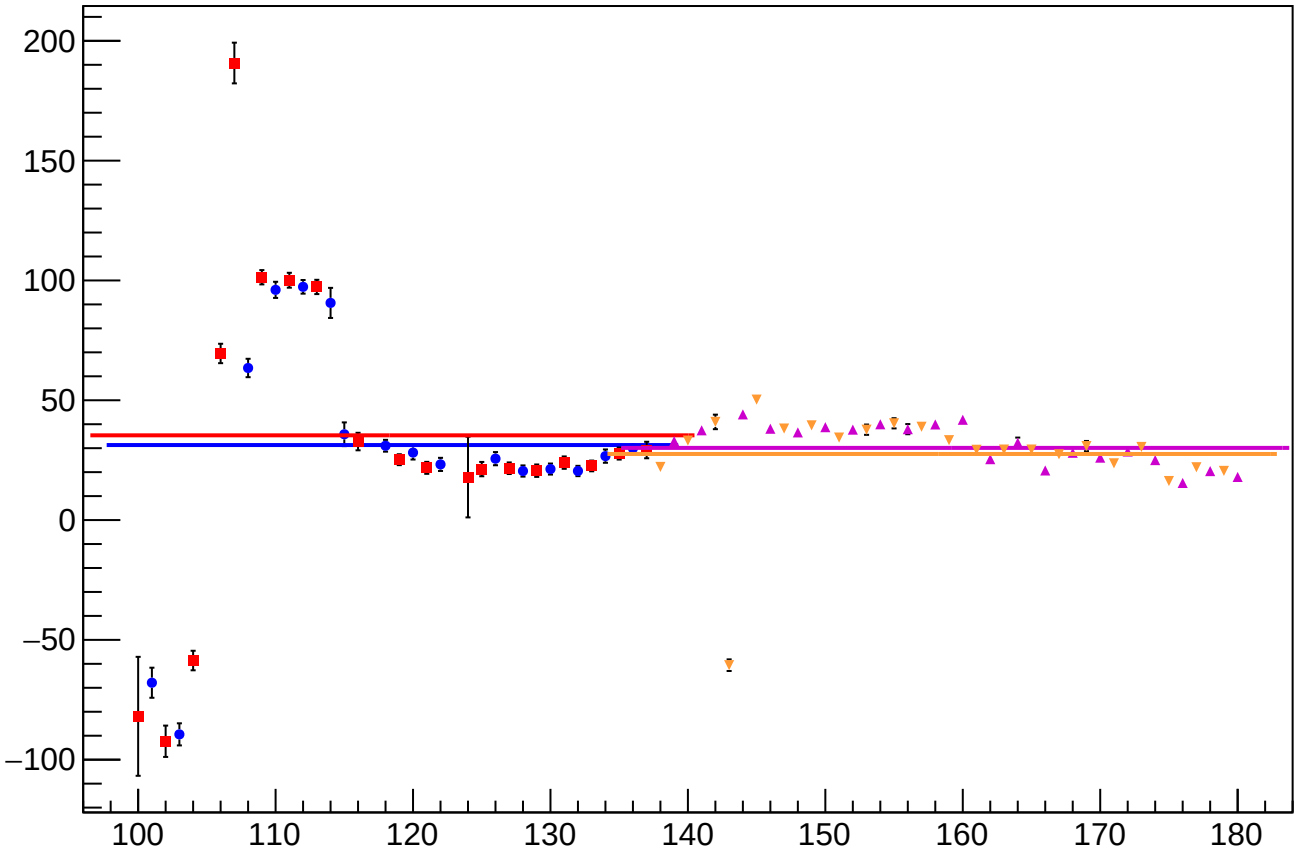
Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 17.281+/-0.344 χ^2/NDF:1600.9/36

Out: 16.713+/-0.348 χ^2/NDF:2535.1/40

All: 17.000+/-0.245 χ^2/NDF: 4137.3/77


reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -0.993+/-0.619 χ²/NDF: 116.3/15
Left Out: -2.220+/-0.309 χ²/NDF:86.7/21
Right Out: -0.644+/-0.636 χ²/NDF: 94.2/18
Left In: -1.549+/-0.314 χ²/NDF:68.0/20
Left: -1.890+/-0.220 χ²/NDF: 157.0/42
Right: -0.823+/-0.443 χ²/NDF: 210.7/34
In: -1.436+/-0.280 χ²/NDF:185.0/36
Out: -1.920+/-0.278 χ²/NDF:185.9/40
All: -1.680+/-0.197 χ²/NDF: 372.4/77



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.582+/-0.415 χ^2/NDF:1755.9/21

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 30.123+/-0.409 χ^2/NDF:465.0/20

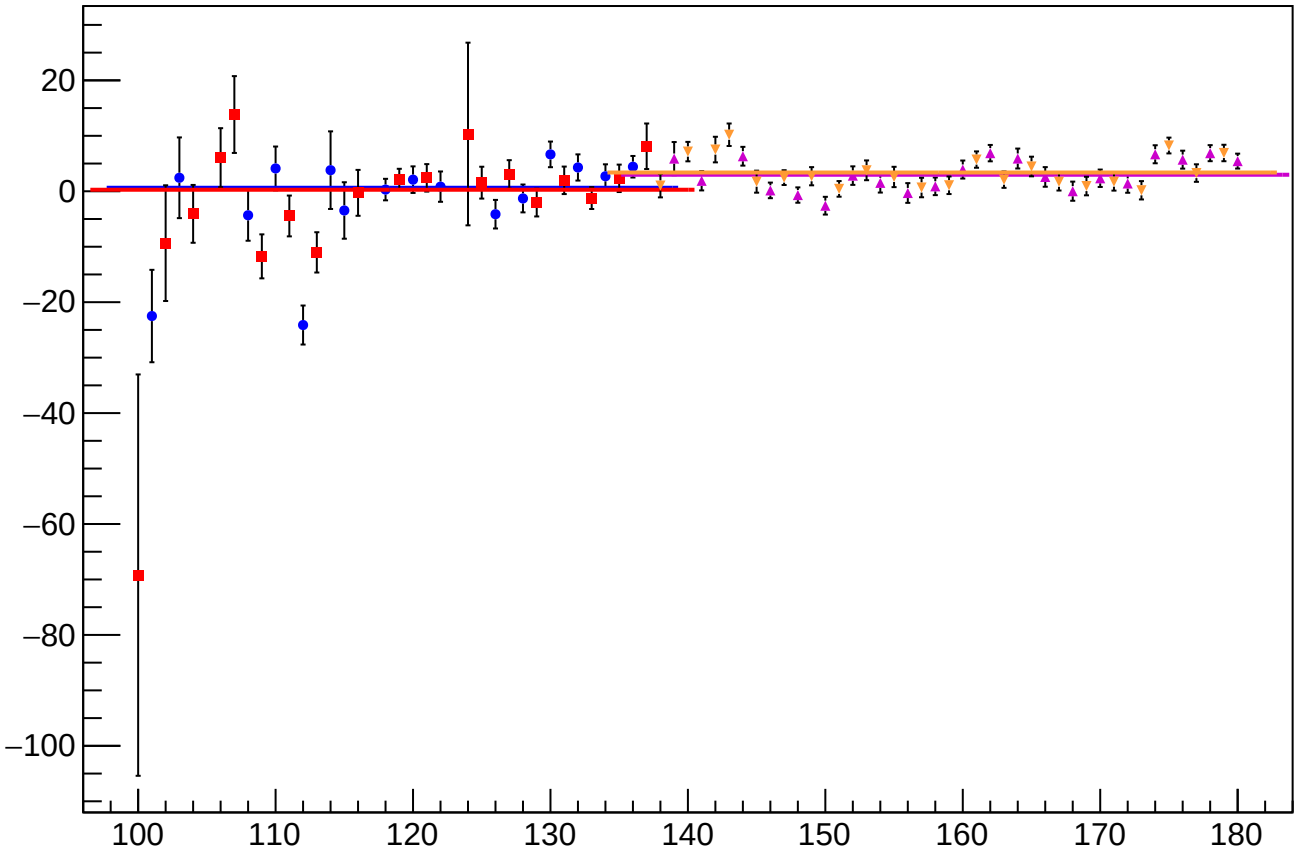
Left: 28.872+/-0.291 χ^2/NDF: 2239.9/42

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 30.424+/-0.353 χ^2/NDF:2553.0/36

Out: 29.537+/-0.359 χ^2/NDF:4741.8/40

All: 29.989+/-0.252 χ^2/NDF: 7297.9/77



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.384+/-0.352 χ^2/NDF:59.8/21

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.978+/-0.354 χ^2/NDF:66.9/20

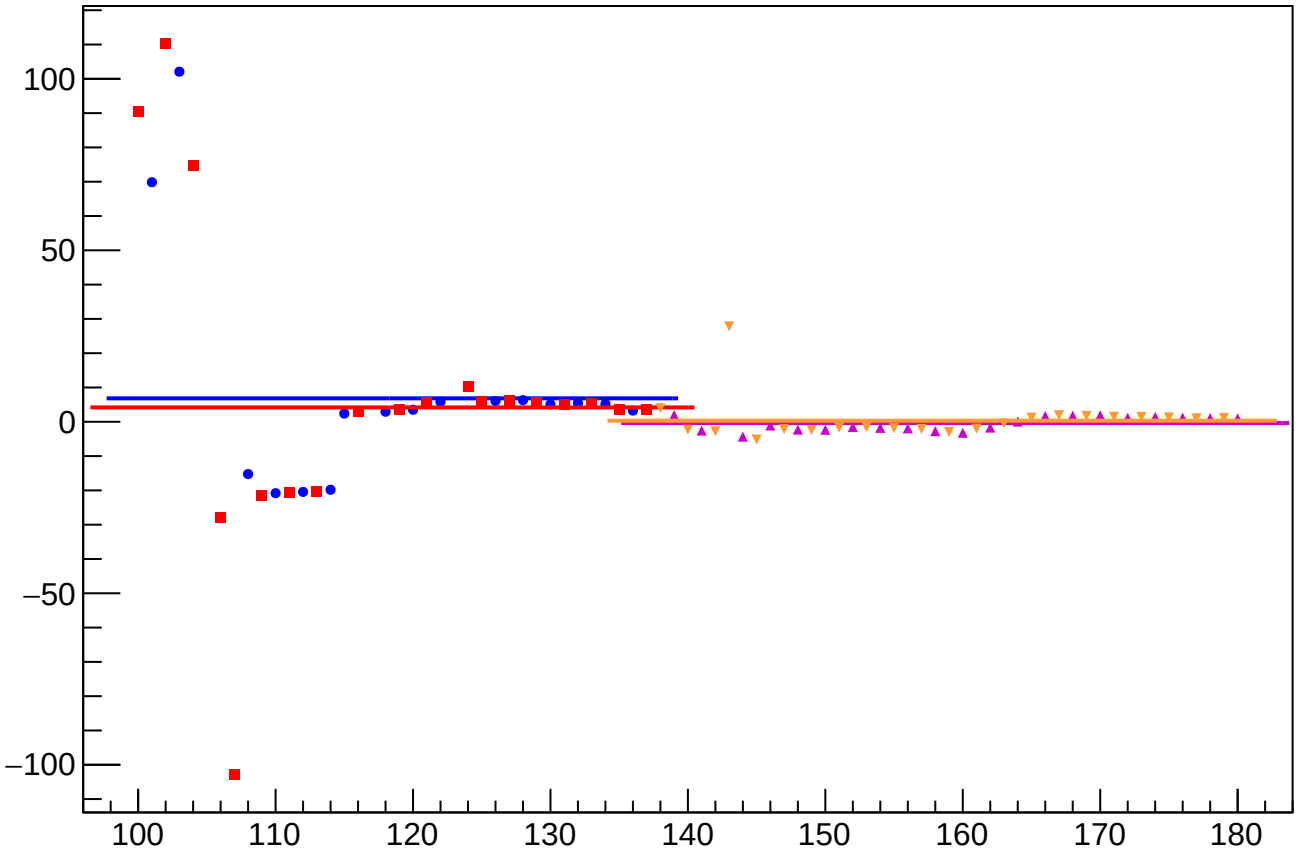
Left: 3.182+/-0.250 χ^2/NDF: 127.3/42

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.504+/-0.317 χ^2/NDF:154.1/36

Out: 2.793+/-0.316 χ^2/NDF:115.1/40

All: 2.649+/-0.224 χ^2/NDF: 269.6/77



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.318+/-0.016 χ^2/NDF:94126.4/21

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.359+/-0.016 χ^2/NDF:14962.0/20

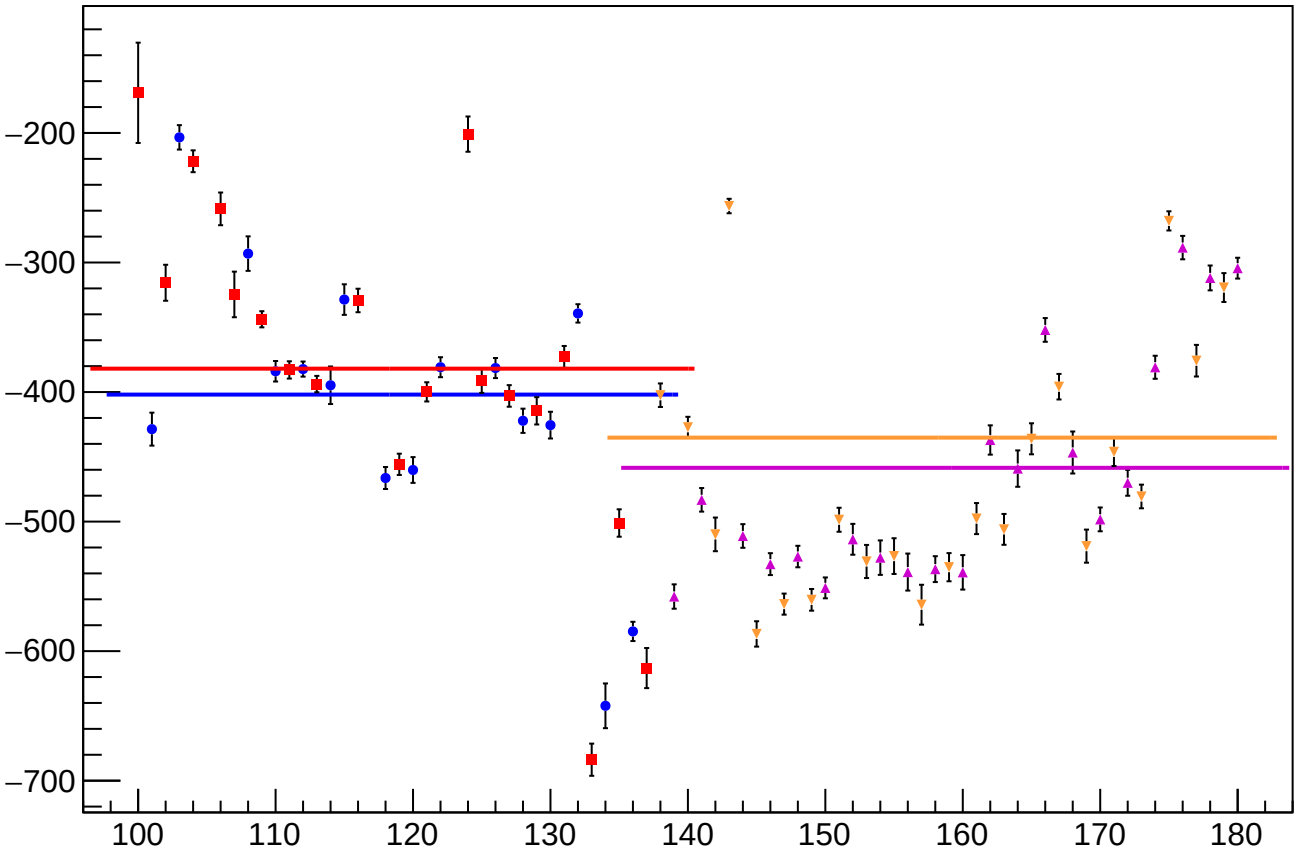
Left: -0.024+/-0.011 χ^2/NDF: 110015.2/42

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.486+/-0.015 χ^2/NDF:360817.8/36

Out: 0.722+/-0.015 χ^2/NDF:534939.2/40

All: 0.602+/-0.010 χ^2/NDF: 895883.4/77



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -435.183+/-2.078 χ^2/NDF:2875.3/21

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -458.494+/-2.160 χ^2/NDF:1798.5/20

Left: -446.385+/-1.498 χ^2/NDF: 4734.4/42

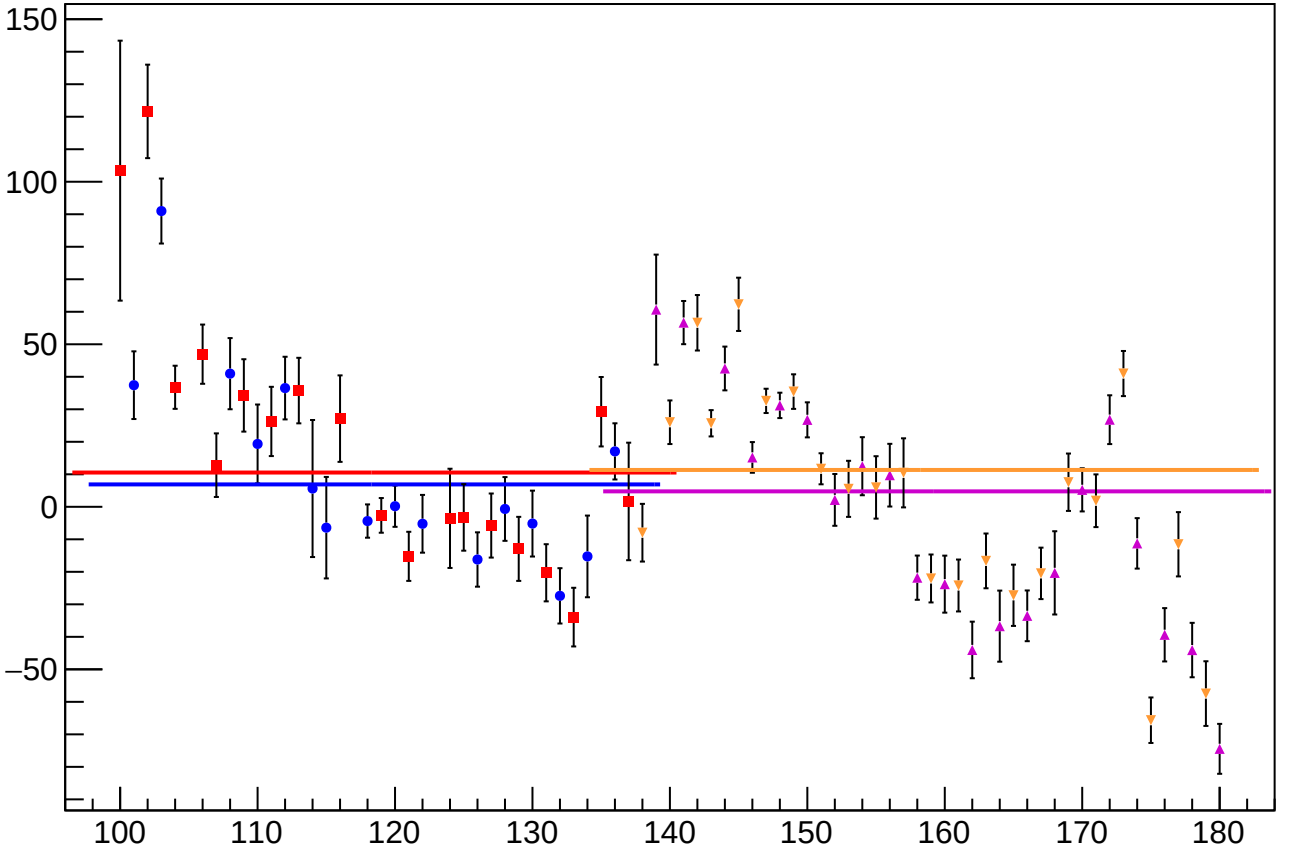
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -431.201+/-1.554 χ^2/NDF:3692.4/36

Out: -409.156+/-1.485 χ^2/NDF:5013.7/40

All: -419.684+/-1.074 χ^2/NDF: 8811.3/77

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 11.336+/-1.453 χ^2/NDF:420.8/21

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 4.750+/-1.554 χ^2/NDF:453.8/20

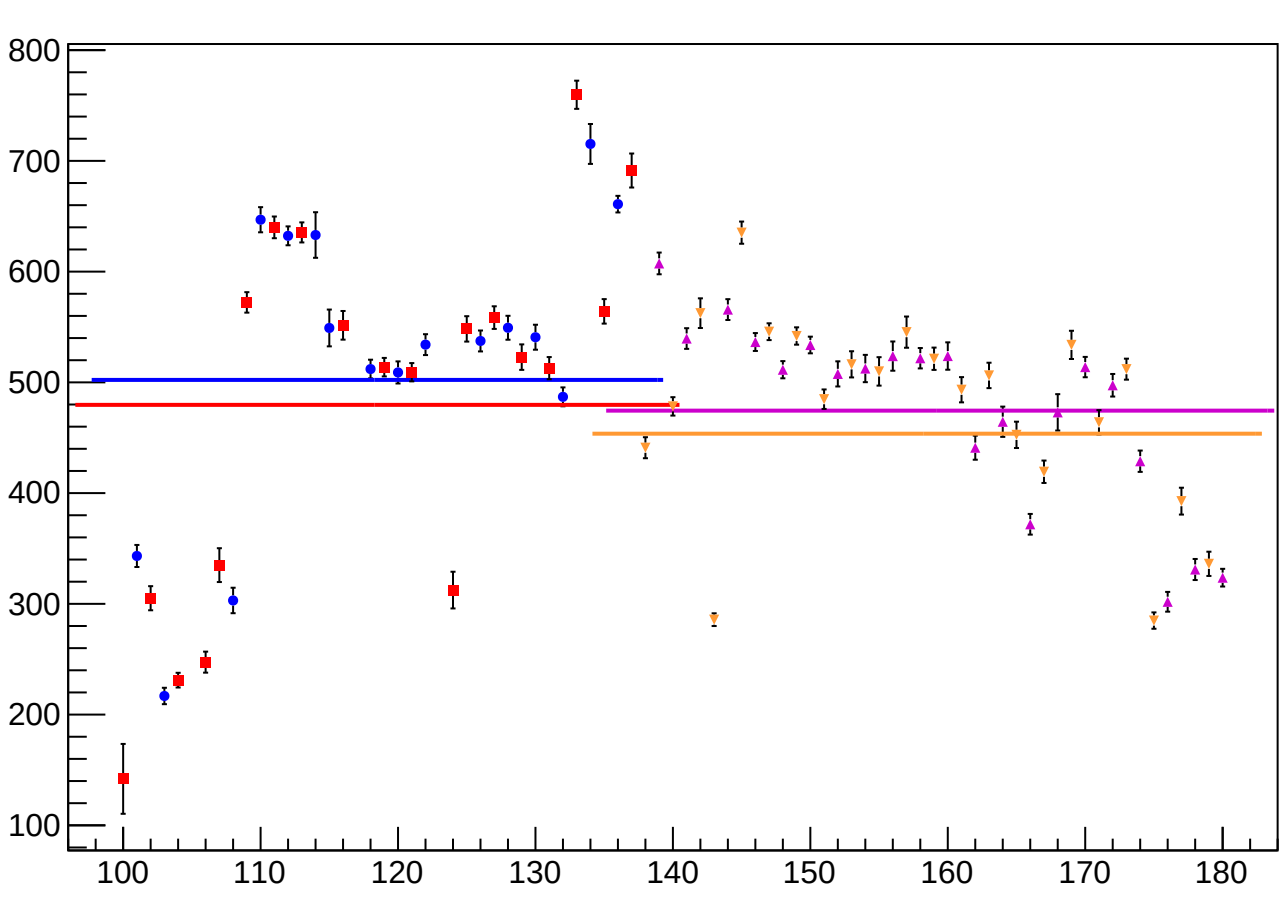
Left: 8.264+/-1.061 χ^2/NDF: 884.2/42

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 5.435+/-1.281 χ^2/NDF:592.9/36

Out: 11.095+/-1.212 χ^2/NDF:600.9/40

All: 8.422+/-0.881 χ^2/NDF: 1204.1/77



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 453.656+/-2.053 χ^2/NDF:2467.5/21

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 474.467+/-2.124 χ^2/NDF:1679.1/20

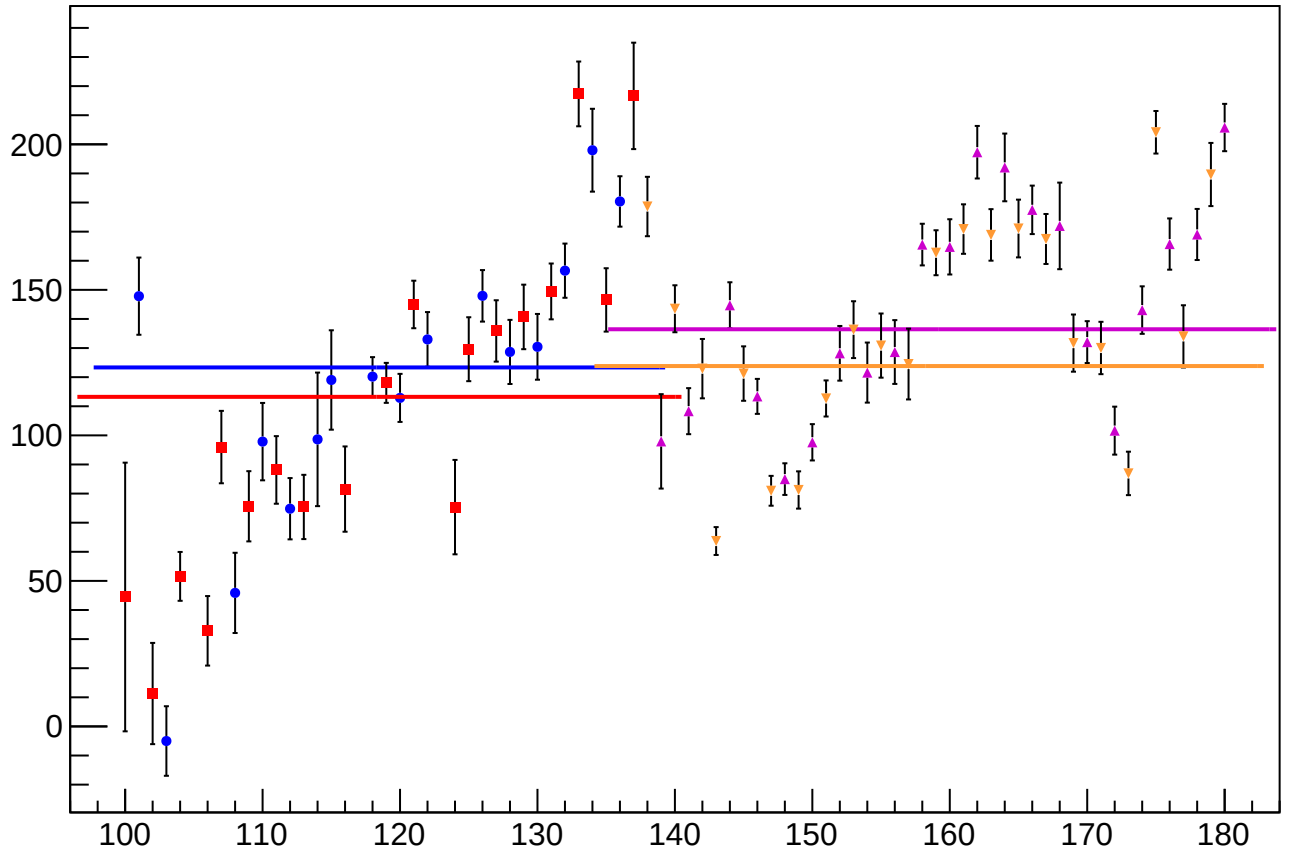
Left: 463.706+/-1.476 χ^2/NDF: 4196.2/42

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 486.137+/-1.617 χ^2/NDF:4886.0/36

Out: 464.652+/-1.560 χ^2/NDF:6673.9/40

All: 475.009+/-1.122 χ^2/NDF: 11651.4/77



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 123.818+/-1.697 χ^2/NDF:626.3/21

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 136.459+/-1.792 χ^2/NDF:406.0/20

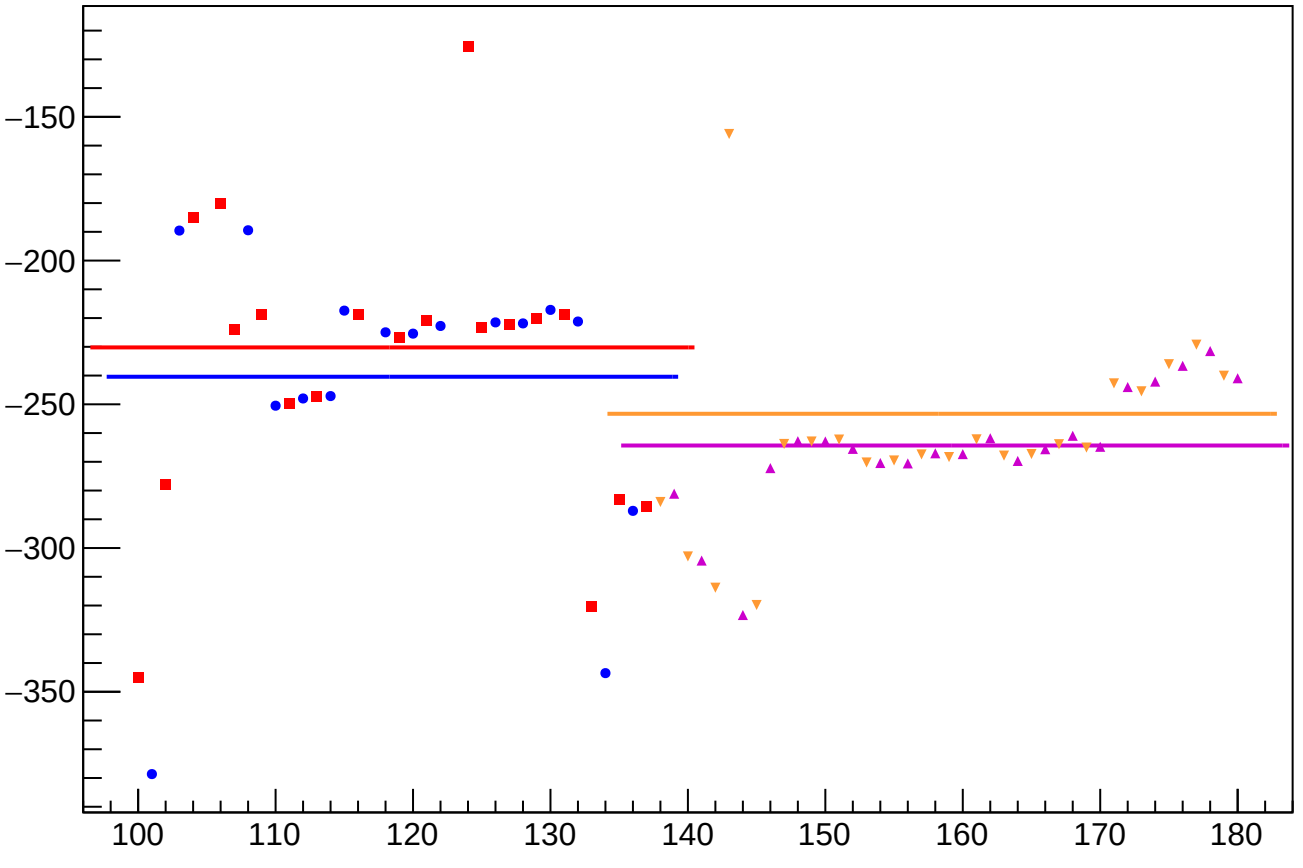
Left: 129.794+/-1.232 χ^2/NDF: 1058.6/42

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 132.294+/-1.480 χ^2/NDF:694.4/36

Out: 120.560+/-1.412 χ^2/NDF:984.1/40

All: 126.149+/-1.022 χ^2/NDF: 1711.3/77



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.296+/-0.080 χ^2/NDF:250173.3/21

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -264.333+/-0.082 χ^2/NDF:57044.0/20

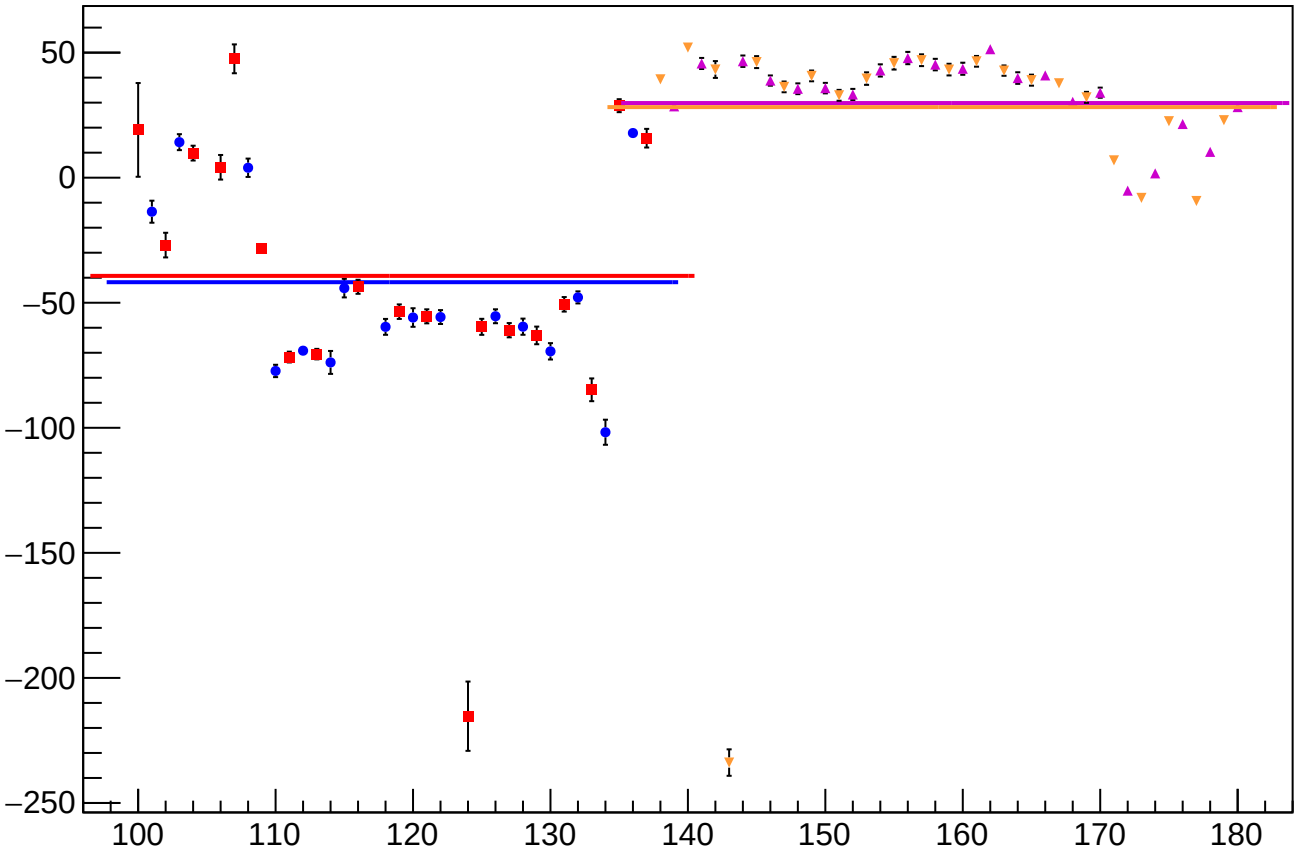
Left: -258.688+/-0.057 χ^2/NDF: 316452.0/42

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -258.850+/-0.072 χ^2/NDF:210639.5/36

Out: -247.963+/-0.070 χ^2/NDF:352707.5/40

All: -253.276+/-0.050 χ^2/NDF: 575016.7/77



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.213+/-0.440 χ^2/NDF:4085.7/21

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 29.842+/-0.422 χ^2/NDF:1323.6/20

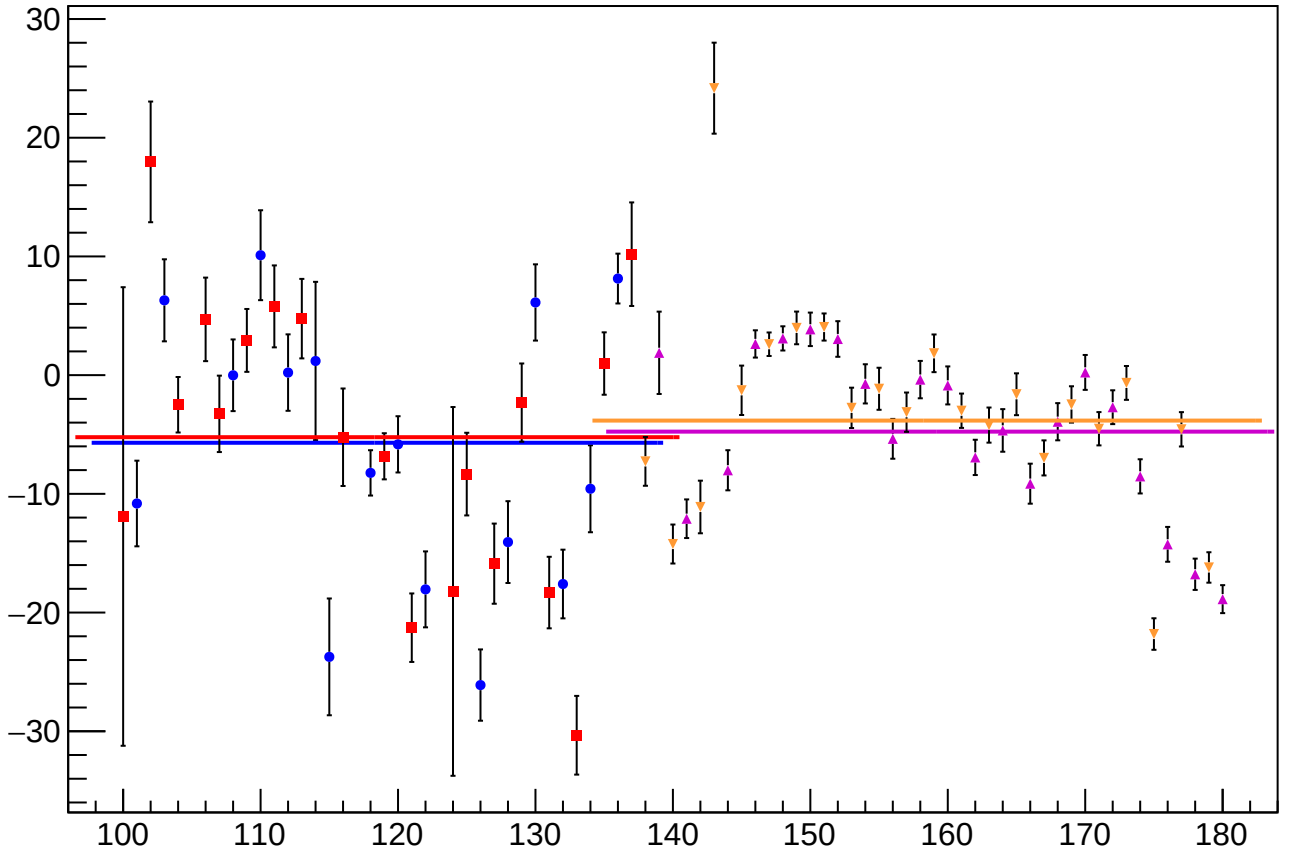
Left: 29.060+/-0.305 χ^2/NDF: 5416.4/42

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 11.625+/-0.365 χ^2/NDF:11045.6/36

Out: 8.311+/-0.369 χ^2/NDF:13513.7/40

All: 9.988+/-0.259 χ^2/NDF: 24600.1/77



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -3.829+/-0.322 χ^2/NDF:535.3/21

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -4.759+/-0.321 χ^2/NDF:510.5/20

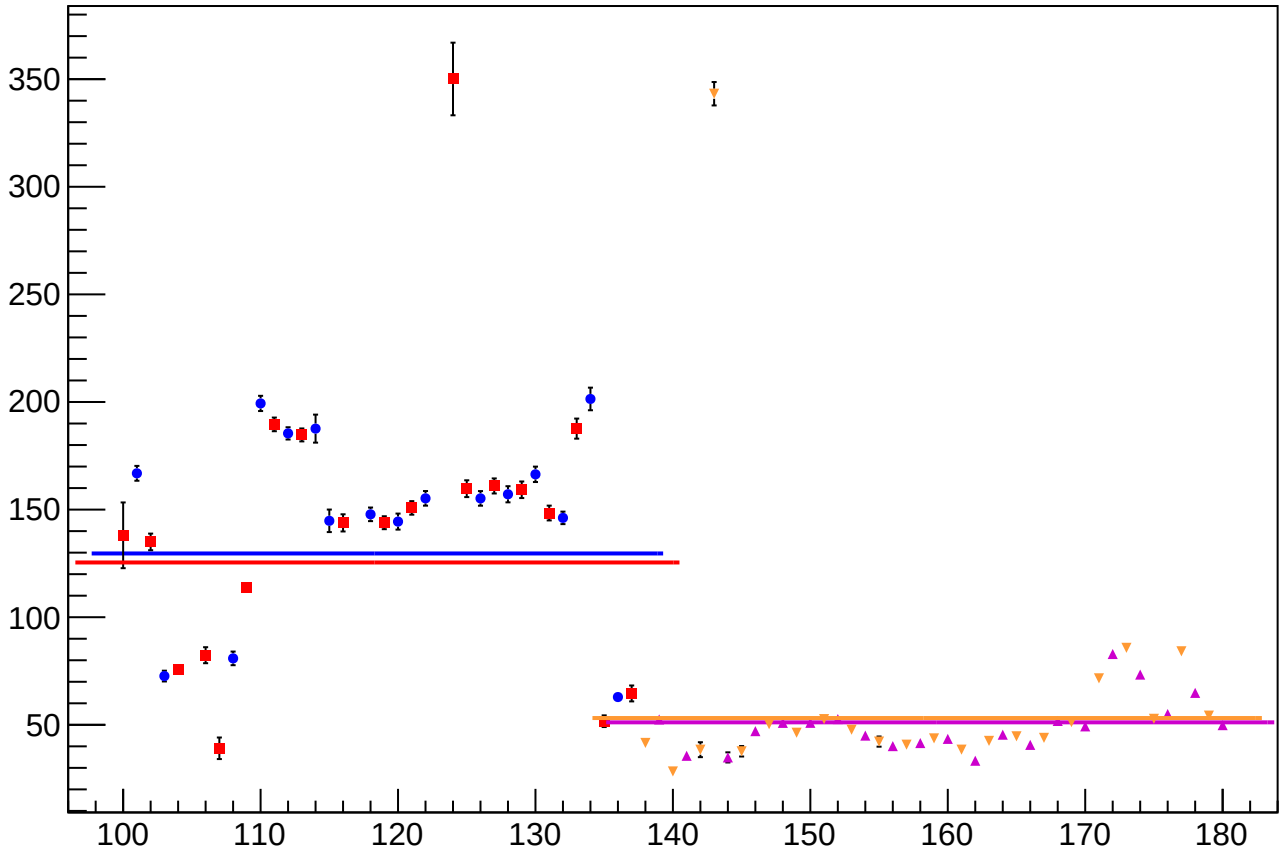
Left: -4.295+/-0.227 χ^2/NDF: 1050.0/42

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -4.903+/-0.295 χ^2/NDF:708.6/36

Out: -4.051+/-0.295 χ^2/NDF:735.7/40

All: -4.477+/-0.209 χ^2/NDF: 1448.4/77



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.156+/-0.432 χ^2/NDF:3979.4/21

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 51.154+/-0.417 χ^2/NDF:815.7/20

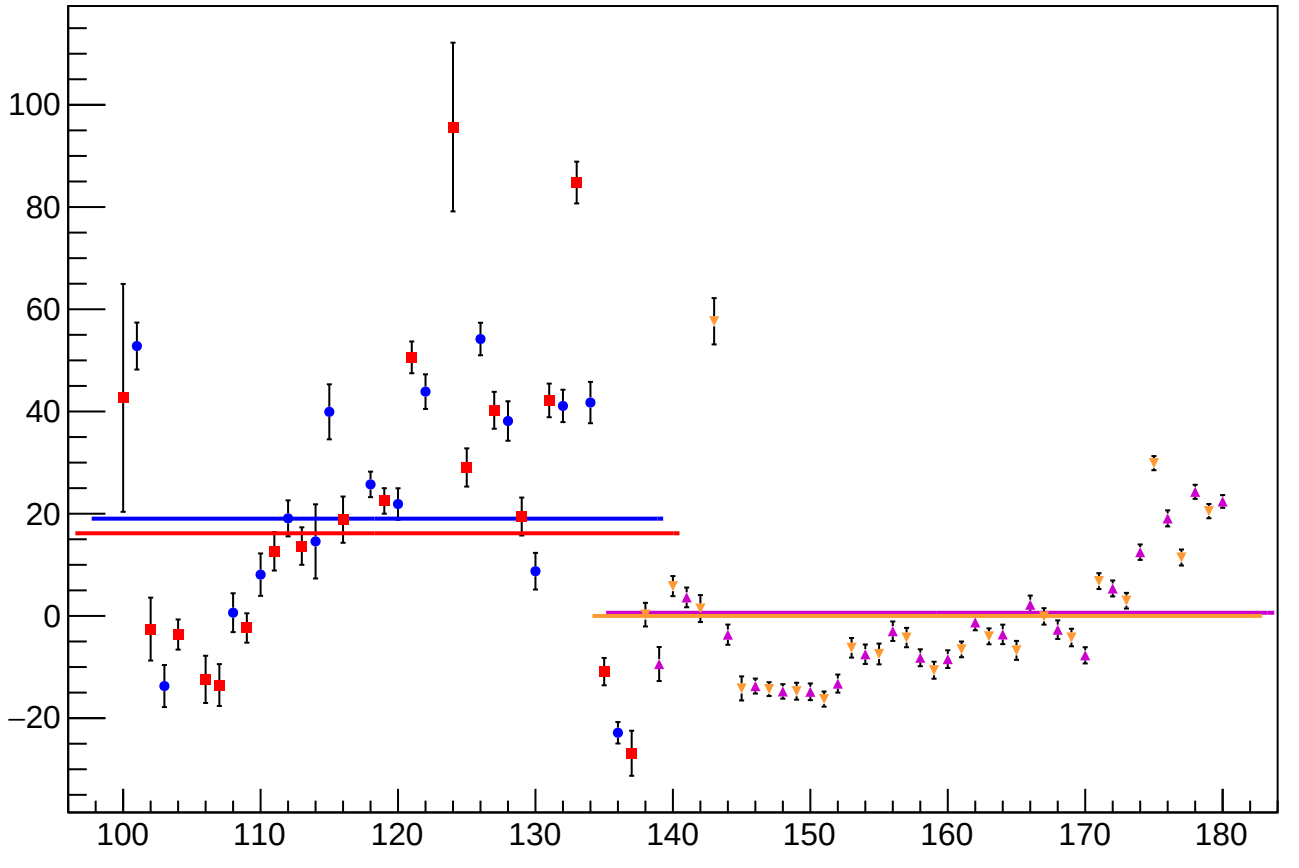
Left: 52.118+/-0.300 χ^2/NDF: 4806.2/42

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 67.870+/-0.370 χ^2/NDF:11999.3/36

Out: 69.815+/-0.379 χ^2/NDF:13927.4/40

All: 68.817+/-0.265 χ^2/NDF: 25940.1/77



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -0.002+/-0.366 χ^2/NDF:1390.5/21

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 0.621+/-0.362 χ^2/NDF:1304.3/20

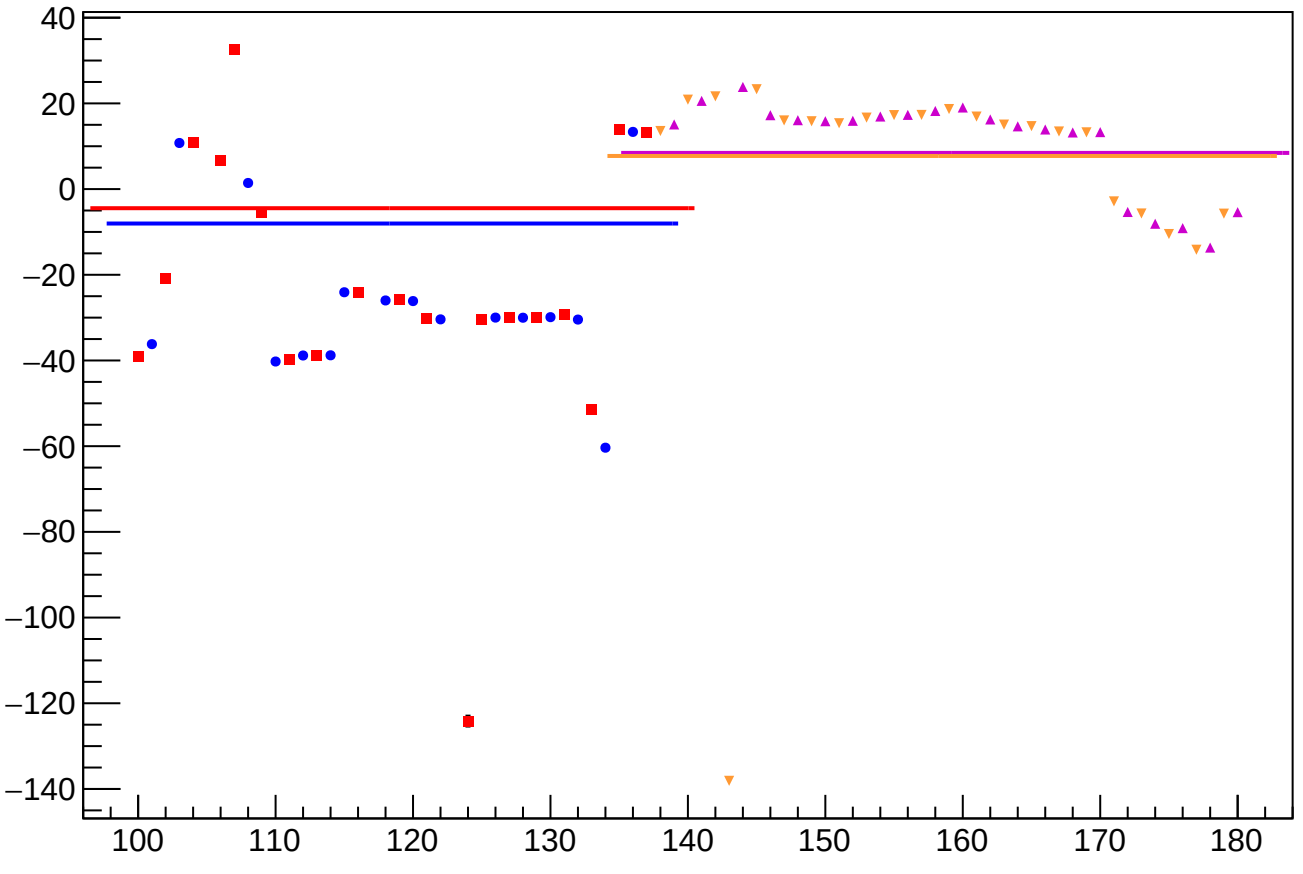
Left: 0.313+/-0.257 χ^2/NDF: 2696.3/42

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 3.387+/-0.333 χ^2/NDF:2552.1/36

Out: 2.546+/-0.336 χ^2/NDF:2639.8/40

All: 2.970+/-0.237 χ^2/NDF: 5195.0/77



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 7.730+/-0.016 χ^2/NDF:925237.0/21

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 8.443+/-0.016 χ^2/NDF:537888.8/20

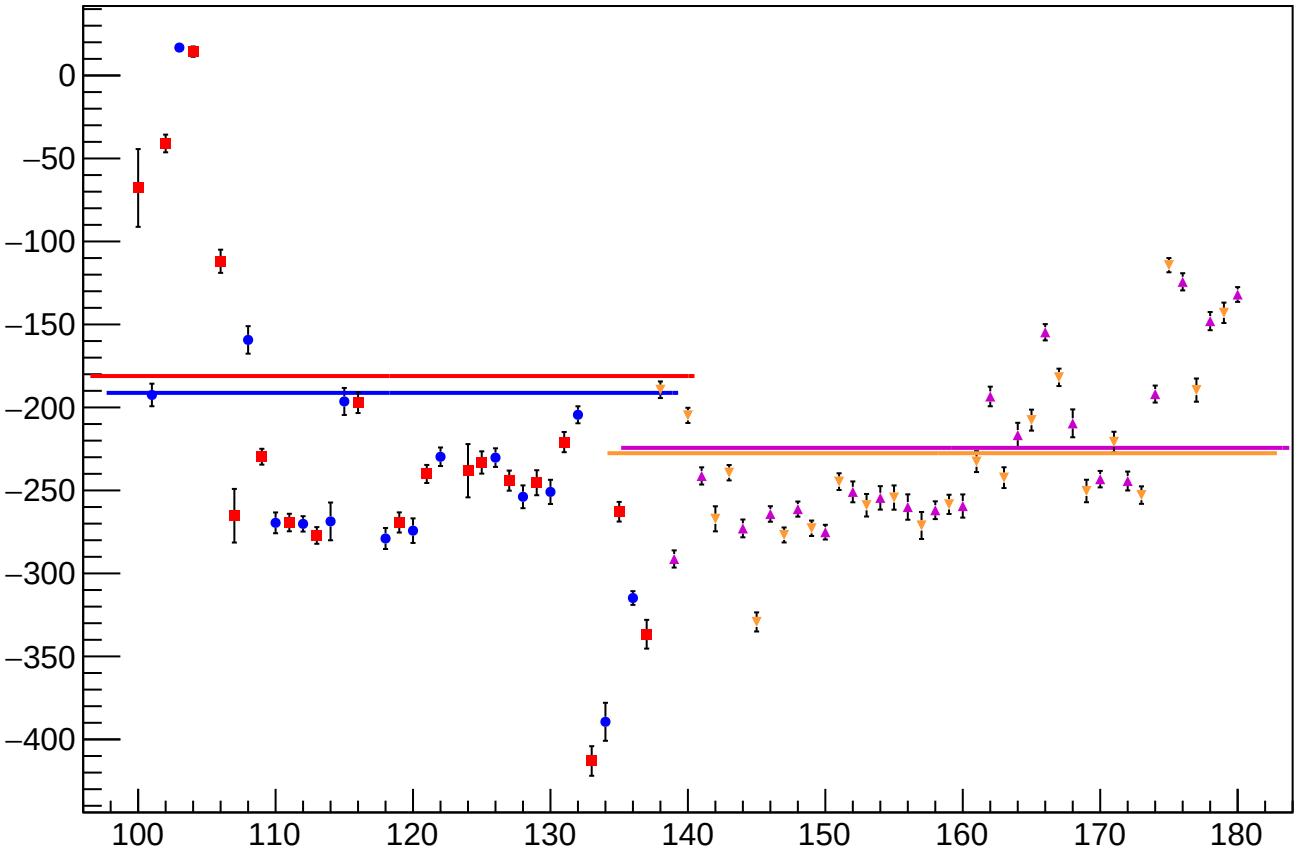
Left: 8.096+/-0.011 χ^2/NDF: 1464090.9/42

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 6.652+/-0.015 χ^2/NDF:921045.7/36

Out: 6.389+/-0.016 χ^2/NDF:1214051.2/40

All: 6.524+/-0.011 χ^2/NDF: 2135244.5/77



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -227.572+/-1.195 χ^2/NDF:1791.7/21

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -224.357+/-1.191 χ^2/NDF:1956.3/20

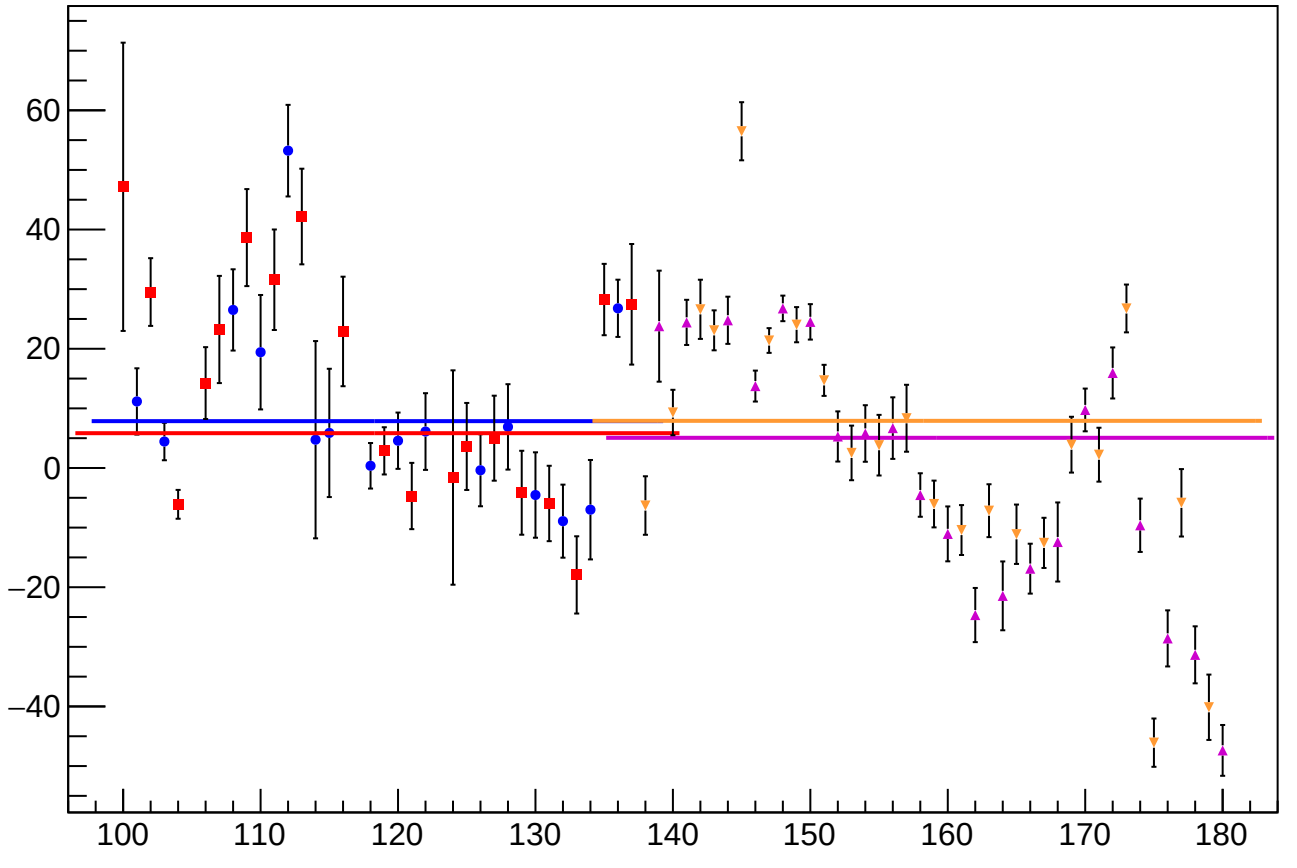
Left: -225.960+/-0.844 χ^2/NDF: 3751.7/42

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

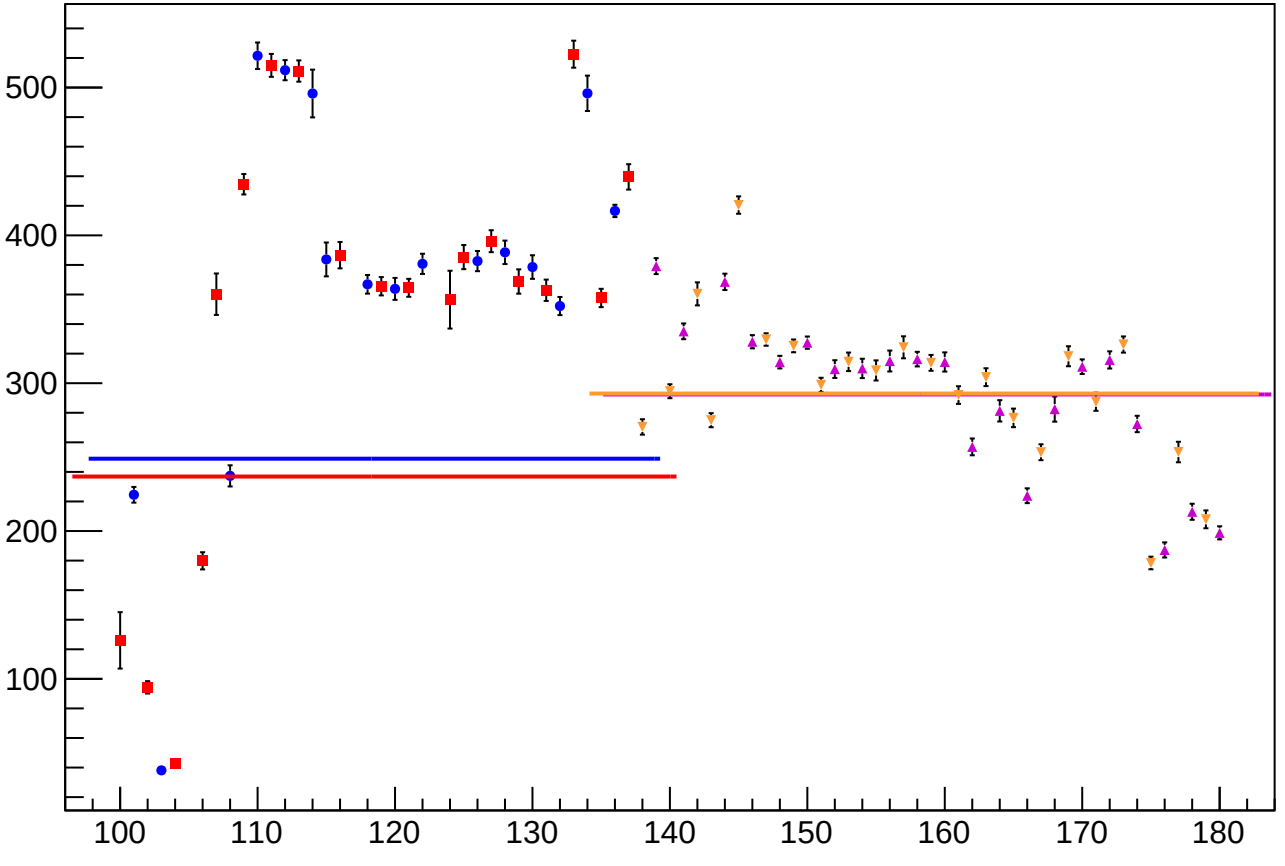
In: -210.653+/-0.912 χ^2/NDF:9500.9/36

Out: -207.694+/-0.904 χ^2/NDF:9813.0/40

All: -209.160+/-0.642 χ^2/NDF: 19319.2/77


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 7.909+/-0.831 χ²/NDF:589.8/21
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 5.063+/-0.855 χ²/NDF:608.4/20
Left: 6.525+/-0.596 χ²/NDF: 1203.9/42
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 5.792+/-0.735 χ²/NDF:692.1/36
Out: 7.343+/-0.709 χ²/NDF:733.4/40
All: 6.596+/-0.510 χ²/NDF: 1427.8/77

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 292.991+/-1.175 χ^2/NDF:1827.4/21

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 292.376+/-1.169 χ^2/NDF:2090.8/20

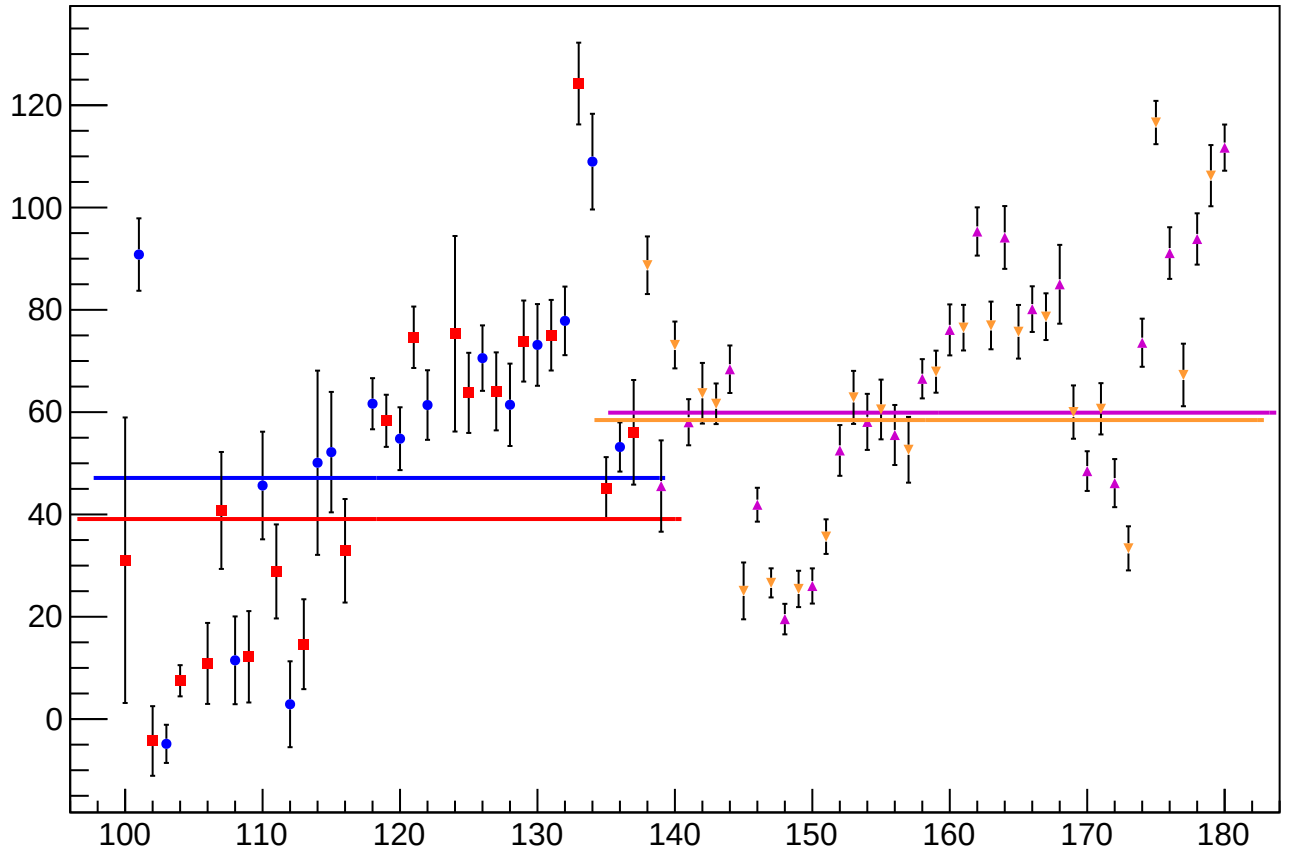
Left: 292.682+/-0.829 χ^2/NDF: 3918.3/42

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 274.845+/-0.903 χ^2/NDF:17950.0/36

Out: 269.933+/-0.902 χ^2/NDF:18422.3/40

All: 272.385+/-0.638 χ^2/NDF: 36387.2/77



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 58.454+/-0.969 χ^2/NDF:692.1/21

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 59.897+/-0.985 χ^2/NDF:691.9/20

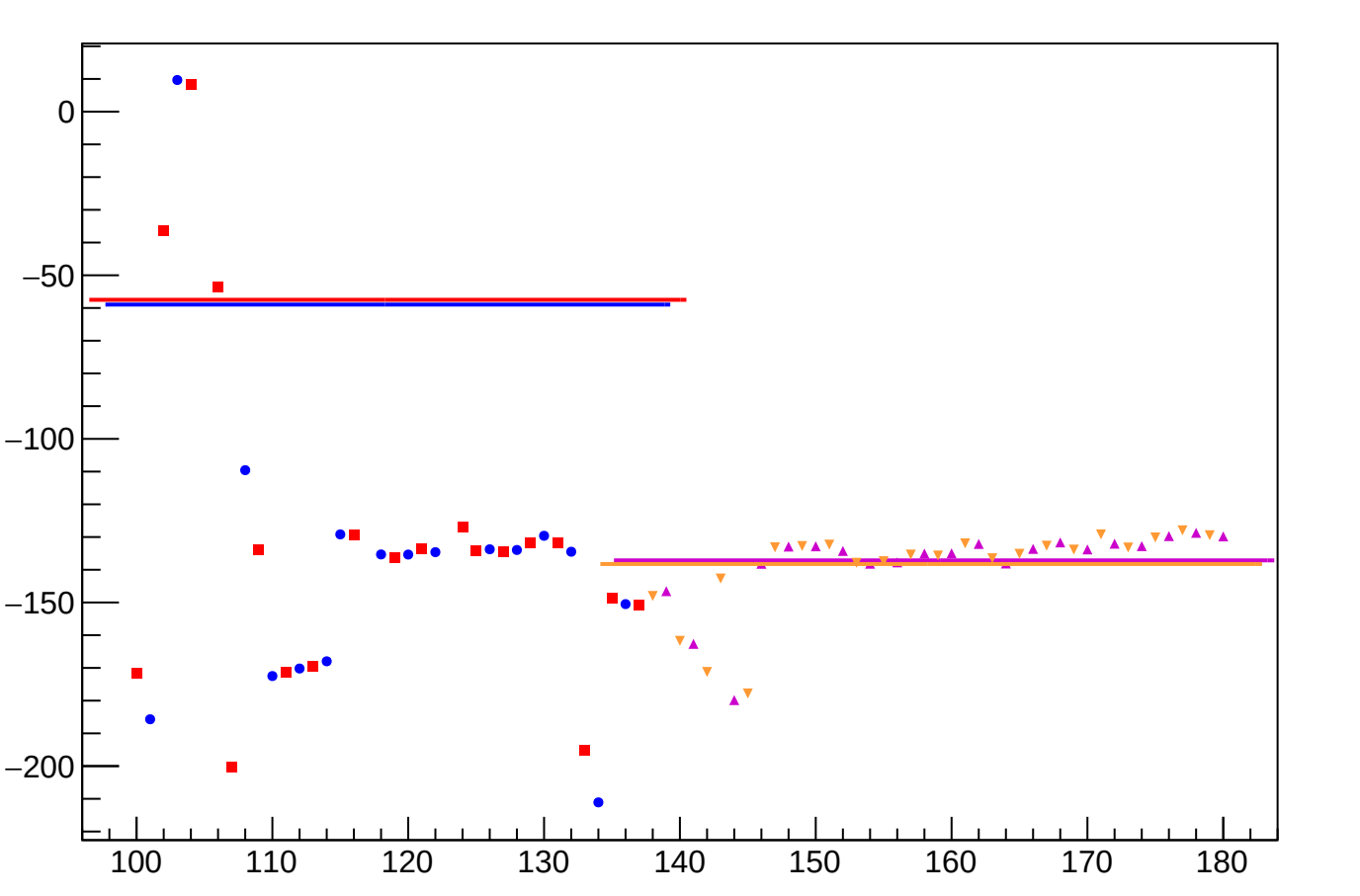
Left: 59.164+/-0.691 χ^2/NDF: 1385.1/42

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 56.597+/-0.848 χ^2/NDF:1120.7/36

Out: 53.243+/-0.828 χ^2/NDF:1216.0/40

All: 54.880+/-0.593 χ^2/NDF: 2344.6/77



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.244+/-0.046 χ^2/NDF:66833.7/21

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -137.134+/-0.045 χ^2/NDF:53842.6/20

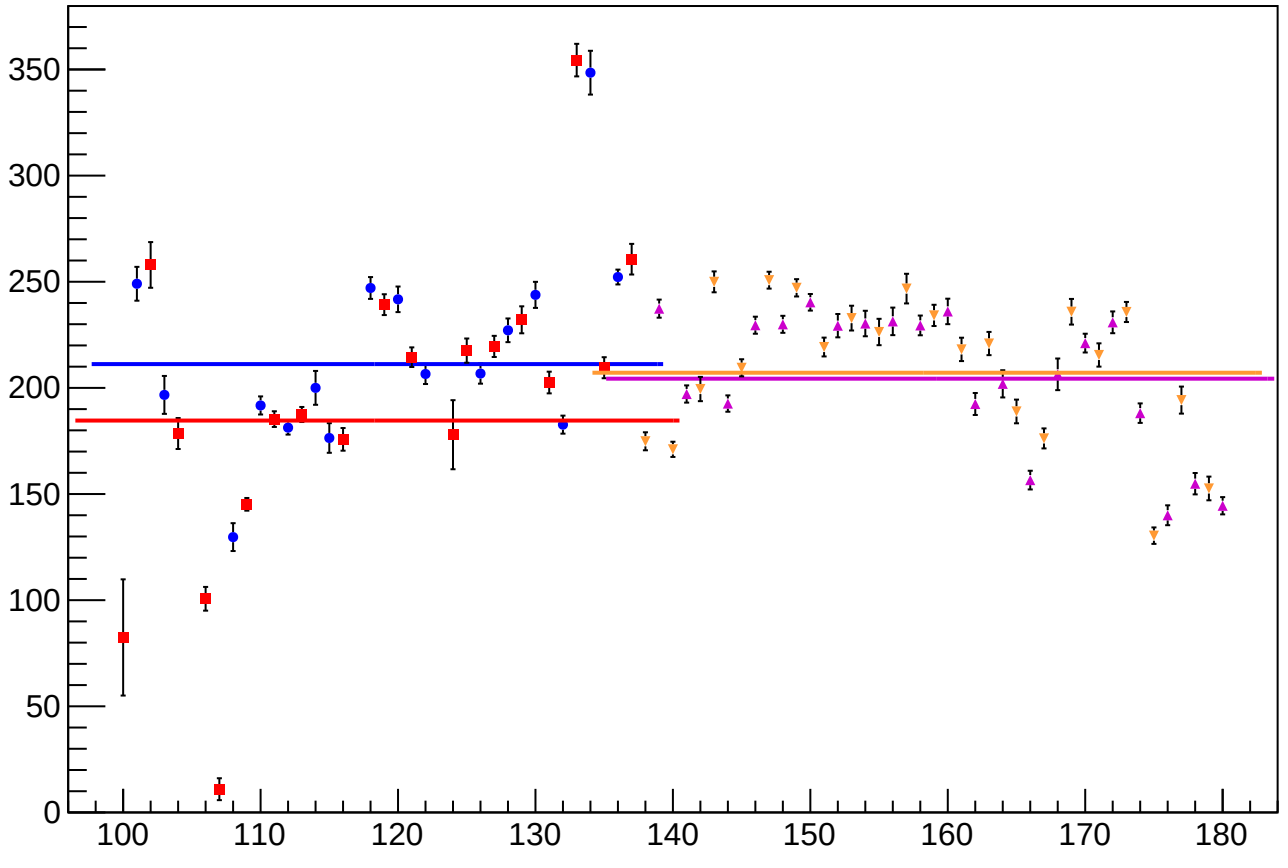
Left: -137.683+/-0.032 χ^2/NDF: 120976.6/42

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -115.394+/-0.038 χ^2/NDF:2117877.7/36

Out: -116.173+/-0.039 χ^2/NDF:1797281.3/40

All: -115.778+/-0.027 χ^2/NDF: 3915363.1/77



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 207.144+/-1.038 χ^2/NDF:1168.7/21

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 204.337+/-1.029 χ^2/NDF:1029.9/20

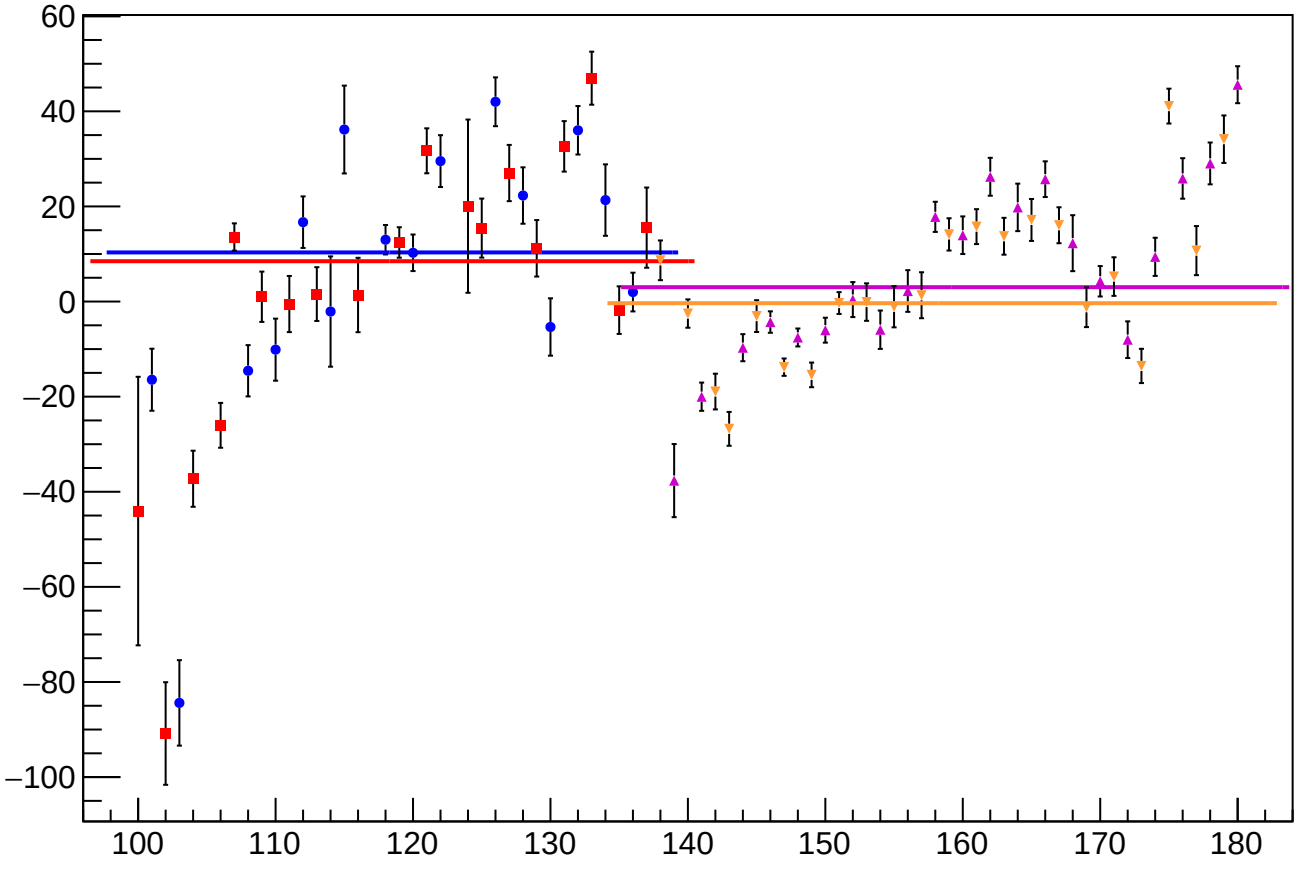
Left: 205.728+/-0.731 χ^2/NDF: 2202.4/42

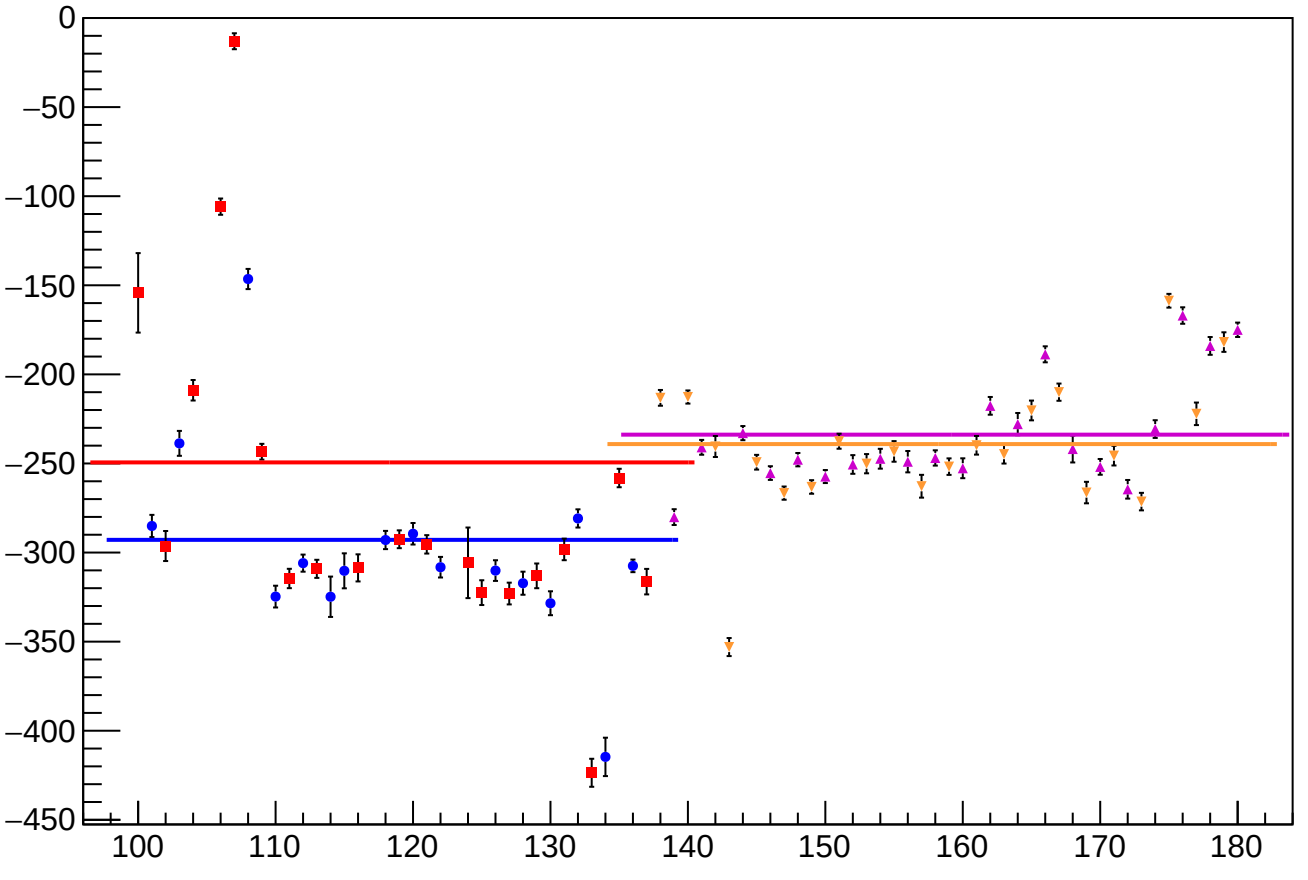
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 206.994+/-0.806 χ^2/NDF:1830.2/36

Out: 197.450+/-0.783 χ^2/NDF:3912.0/40

All: 202.086+/-0.562 χ^2/NDF: 5814.3/77


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -0.349+/-0.725 χ²/NDF:454.4/21
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: 3.019+/-0.739 χ²/NDF:475.9/20
Left: 1.301+/-0.517 χ²/NDF: 940.9/42
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 4.738+/-0.646 χ²/NDF:762.2/36
Out: 1.940+/-0.624 χ²/NDF:815.3/40
All: 3.289+/-0.449 χ²/NDF: 1587.2/77



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -239.125+/-1.021 χ^2/NDF:1382.6/21

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -233.834+/-1.011 χ^2/NDF:927.7/20

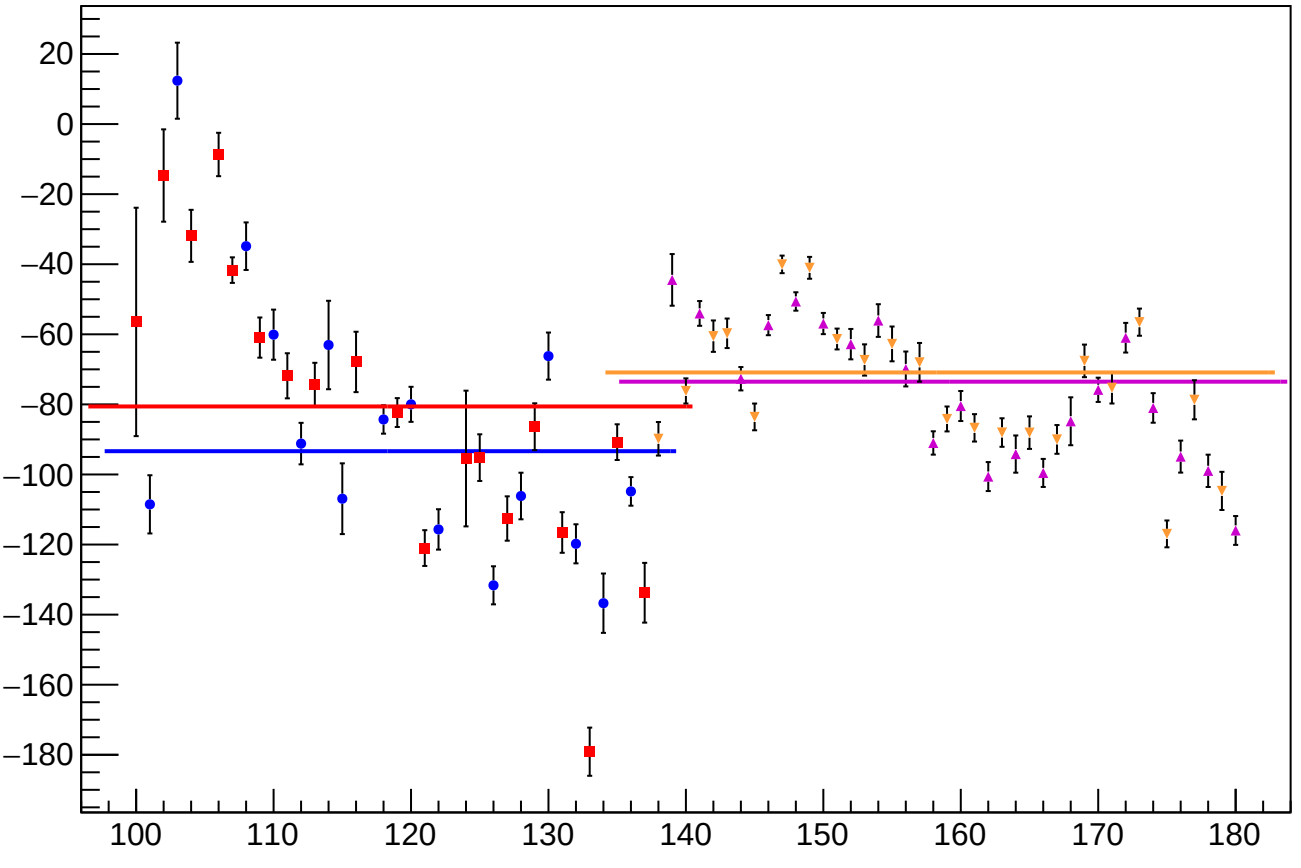
Left: -236.453+/-0.718 χ^2/NDF: 2323.8/42

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -252.834+/-0.833 χ^2/NDF:3008.7/36

Out: -242.801+/-0.818 χ^2/NDF:6787.3/40

All: -247.732+/-0.584 χ^2/NDF: 9869.9/77



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.882+/-0.845 χ^2/NDF:582.2/21

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -73.522+/-0.853 χ^2/NDF:508.6/20

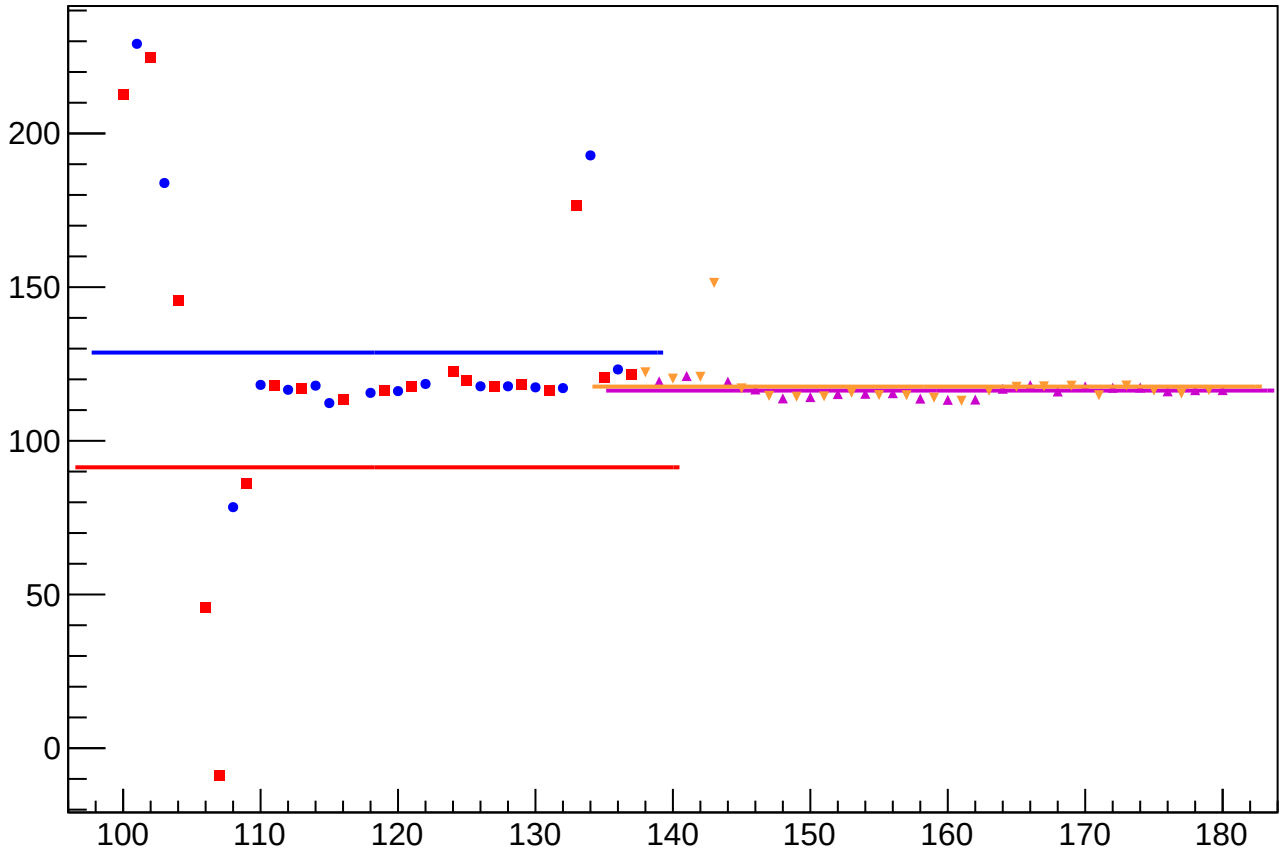
Left: -72.189+/-0.600 χ^2/NDF: 1095.7/42

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -78.203+/-0.745 χ^2/NDF:991.6/36

Out: -73.409+/-0.726 χ^2/NDF:1331.9/40

All: -75.744+/-0.520 χ^2/NDF: 2344.8/77



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.645+/-0.040 χ^2/NDF:29866.6/21

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.348+/-0.039 χ^2/NDF:2991.3/20

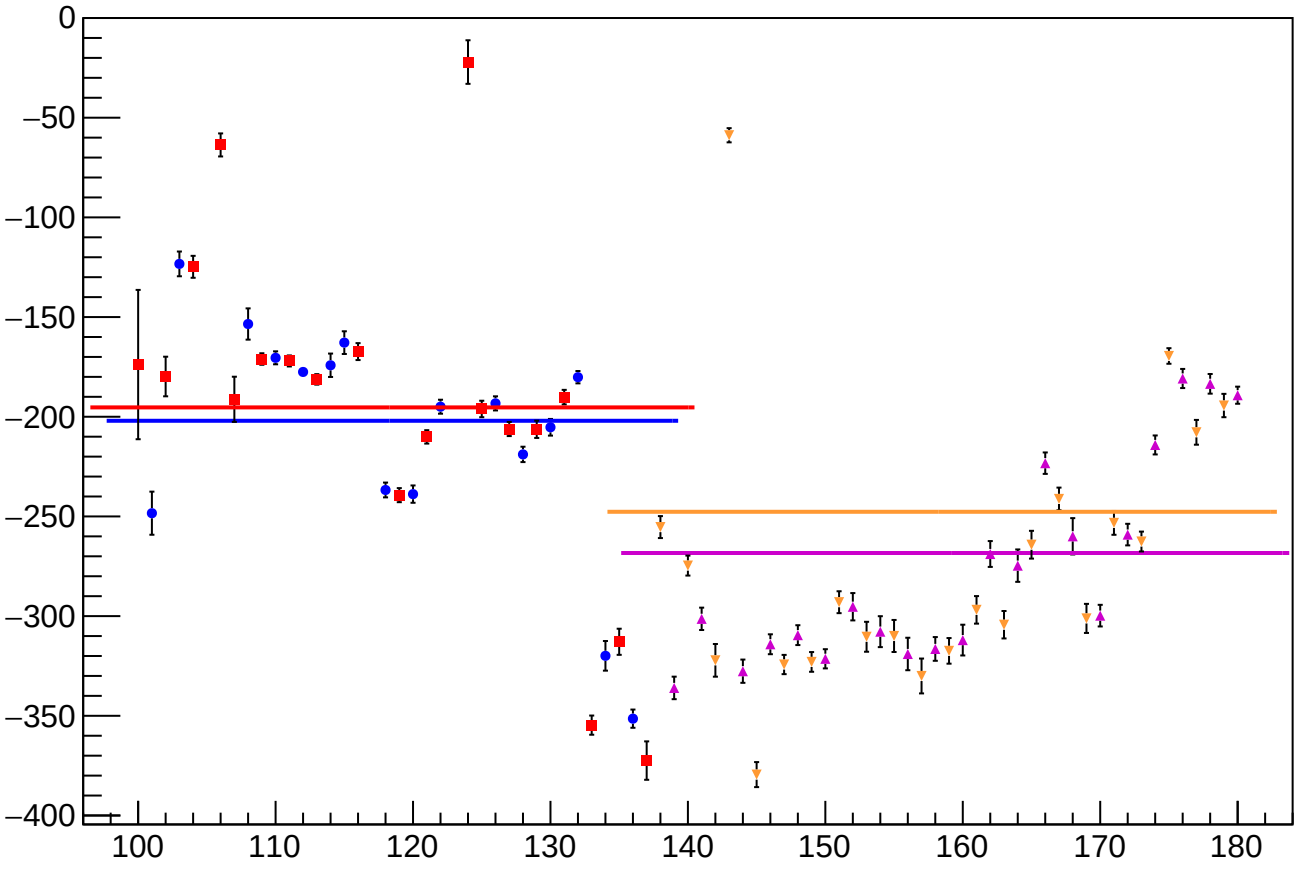
Left: 116.987+/-0.028 χ^2/NDF: 33402.3/42

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.335+/-0.036 χ^2/NDF:202670.8/36

Out: 112.377+/-0.035 χ^2/NDF:722973.6/40

All: 115.329+/-0.025 χ^2/NDF: 939672.2/77



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -247.668+/-1.212 χ^2/NDF:4974.2/21

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -268.342+/-1.239 χ^2/NDF:1940.6/20

Left: -257.771+/-0.866 χ^2/NDF: 7057.1/42

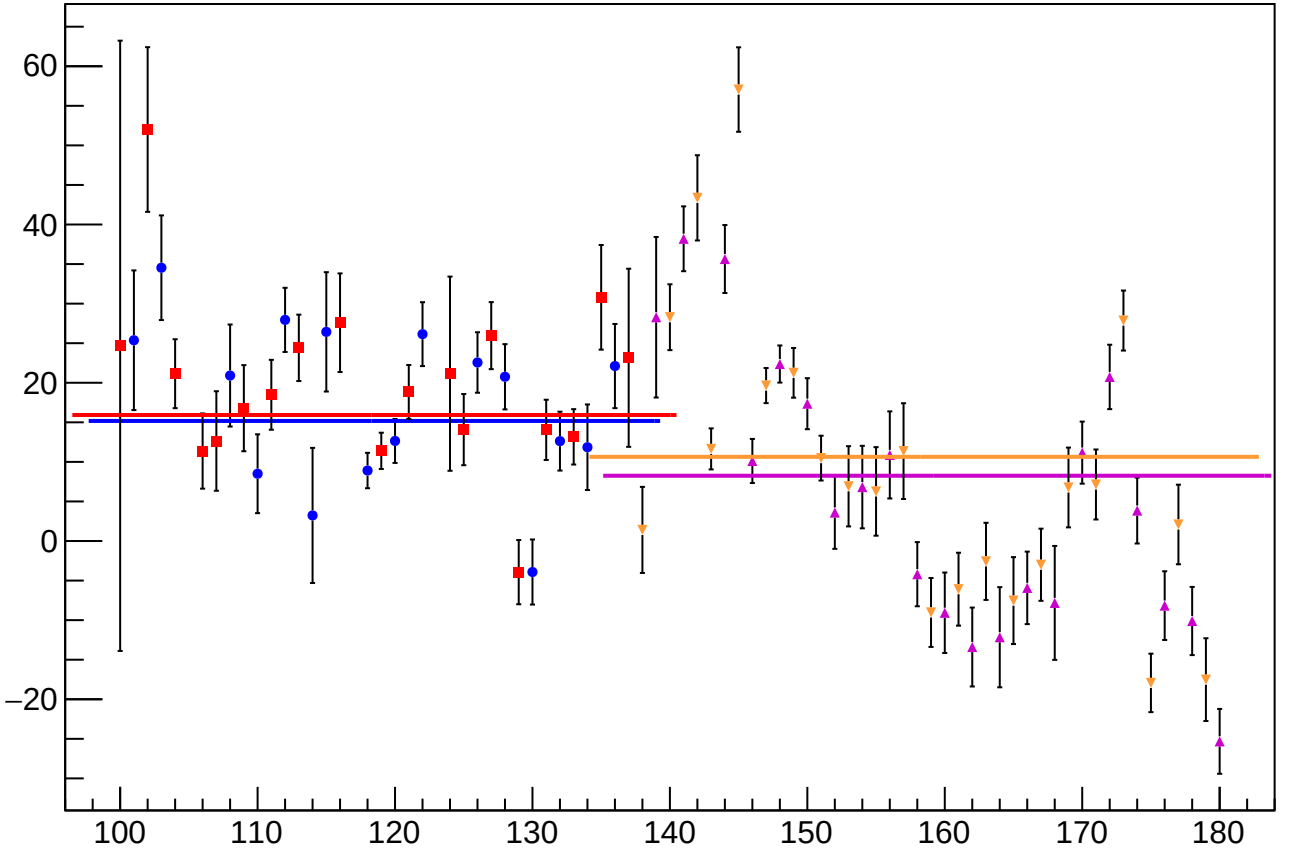
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -228.929+/-0.789 χ^2/NDF:5682.7/36

Out: -215.865+/-0.759 χ^2/NDF:9209.0/40

All: -222.141+/-0.547 χ^2/NDF: 15034.1/77

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 10.638+/-0.854 χ^2/NDF:337.0/21

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 8.250+/-0.902 χ^2/NDF:319.4/20

Left: 9.509+/-0.620 χ^2/NDF: 660.1/42

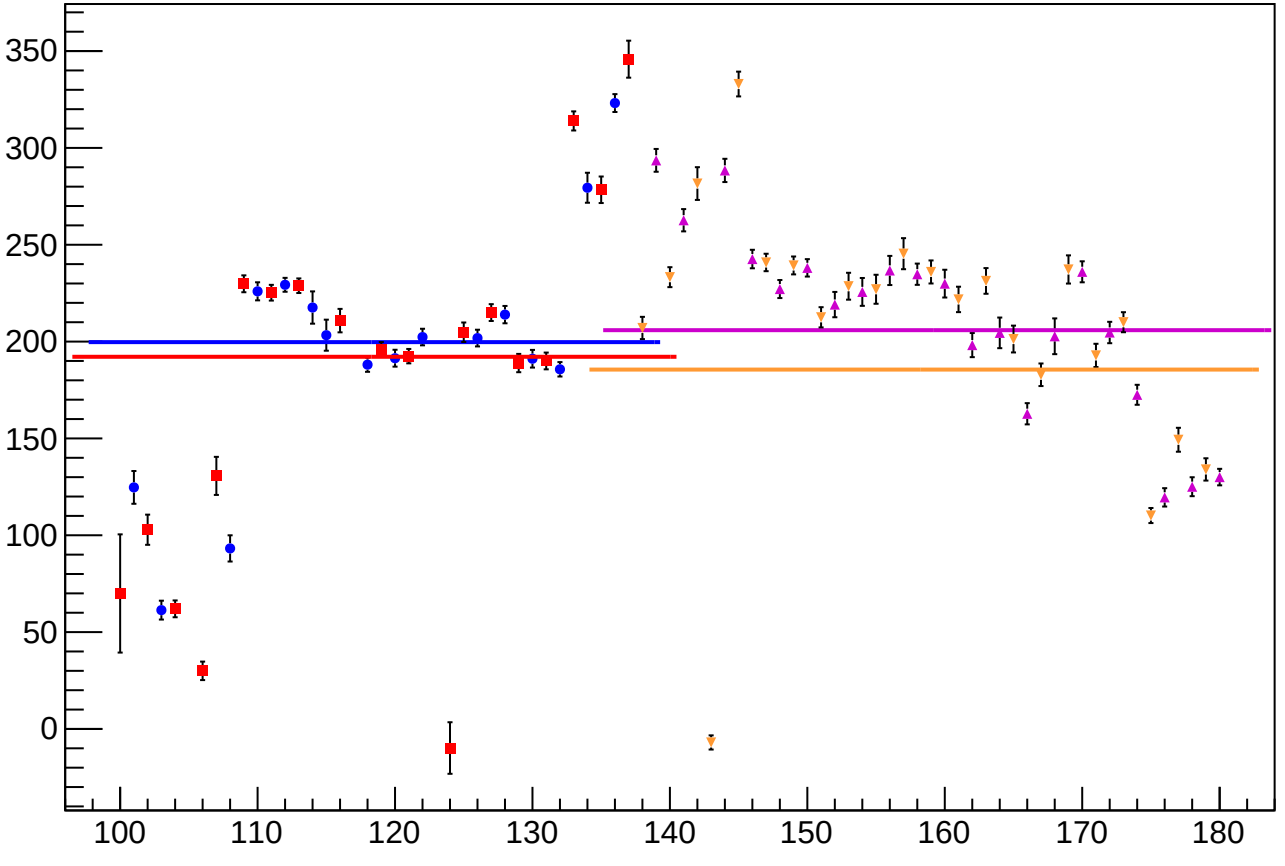
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 11.198+/-0.684 χ^2/NDF:416.8/36

Out: 12.777+/-0.659 χ^2/NDF:416.0/40

All: 12.016+/-0.475 χ^2/NDF: 835.6/77

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 185.551+/-1.196 χ^2/NDF:4684.4/21

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 205.894+/-1.220 χ^2/NDF:1765.4/20

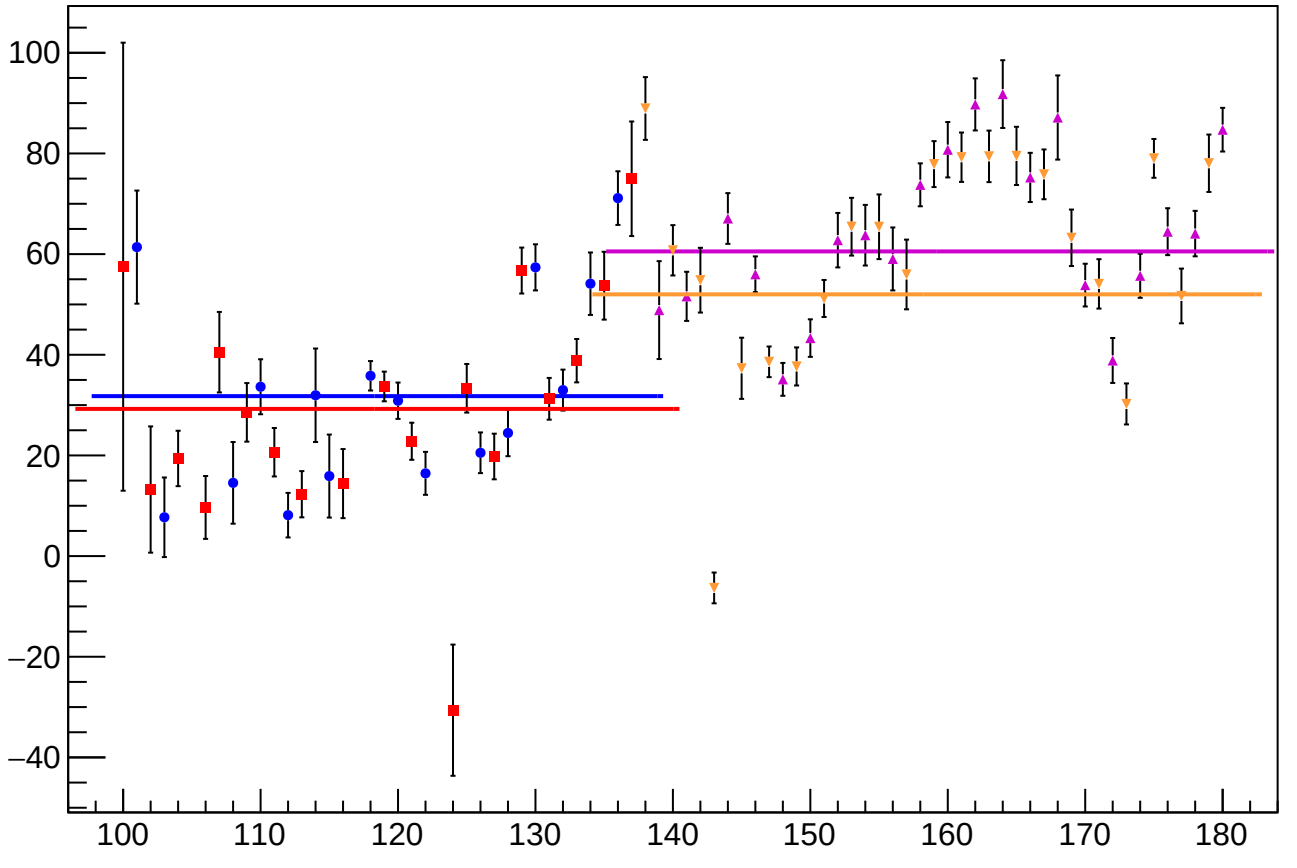
Left: 195.521+/-0.854 χ^2/NDF: 6591.7/42

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 202.746+/-0.854 χ^2/NDF:3880.1/36

Out: 188.981+/-0.829 χ^2/NDF:8477.4/40

All: 195.661+/-0.595 χ^2/NDF: 12491.3/77



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 52.003+/-0.993 χ^2/NDF:692.1/21

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 60.536+/-1.035 χ^2/NDF:246.0/20

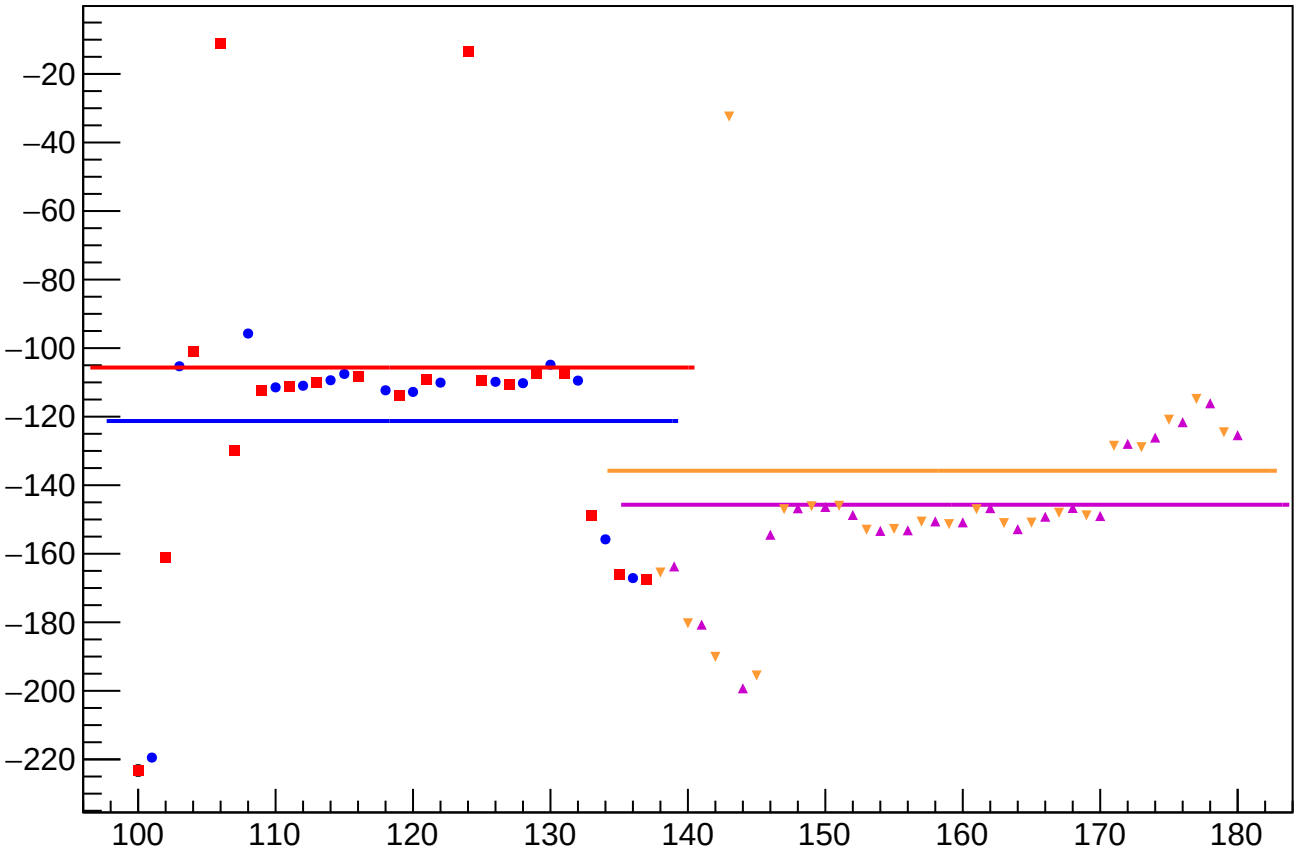
Left: 56.093+/-0.716 χ^2/NDF: 973.5/42

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 48.465+/-0.788 χ^2/NDF:747.1/36

Out: 42.726+/-0.764 χ^2/NDF:1047.3/40

All: 45.506+/-0.549 χ^2/NDF: 1821.7/77



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.786+/-0.047 χ^2/NDF:659684.9/21

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -145.702+/-0.047 χ^2/NDF:138750.1/20

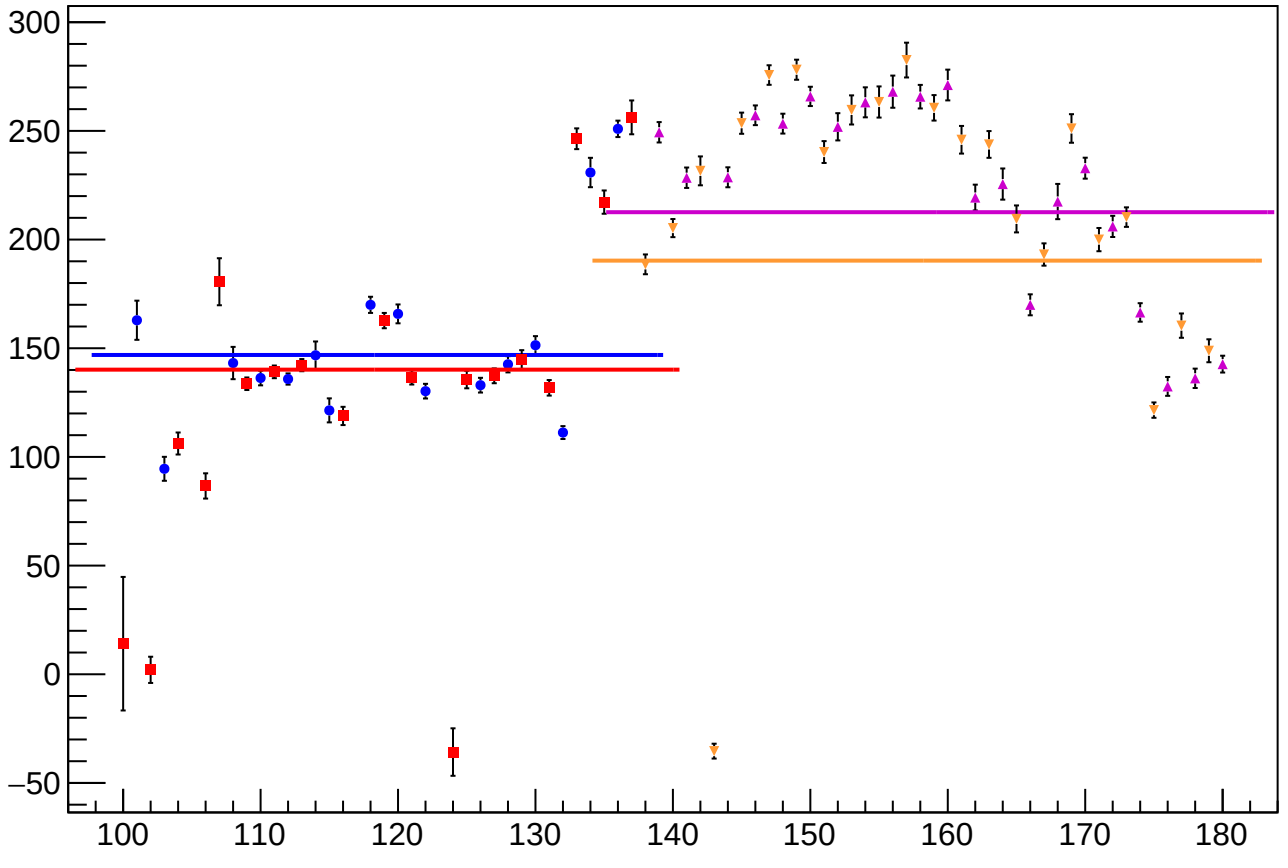
Left: -140.683+/-0.033 χ^2/NDF: 820761.6/42

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.299+/-0.041 χ^2/NDF:328342.3/36

Out: -127.338+/-0.040 χ^2/NDF:1131803.5/40

All: -133.170+/-0.028 χ^2/NDF: 1504713.0/77



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 190.315+/-1.085 χ^2/NDF:6625.8/21

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 212.595+/-1.104 χ^2/NDF:1900.0/20

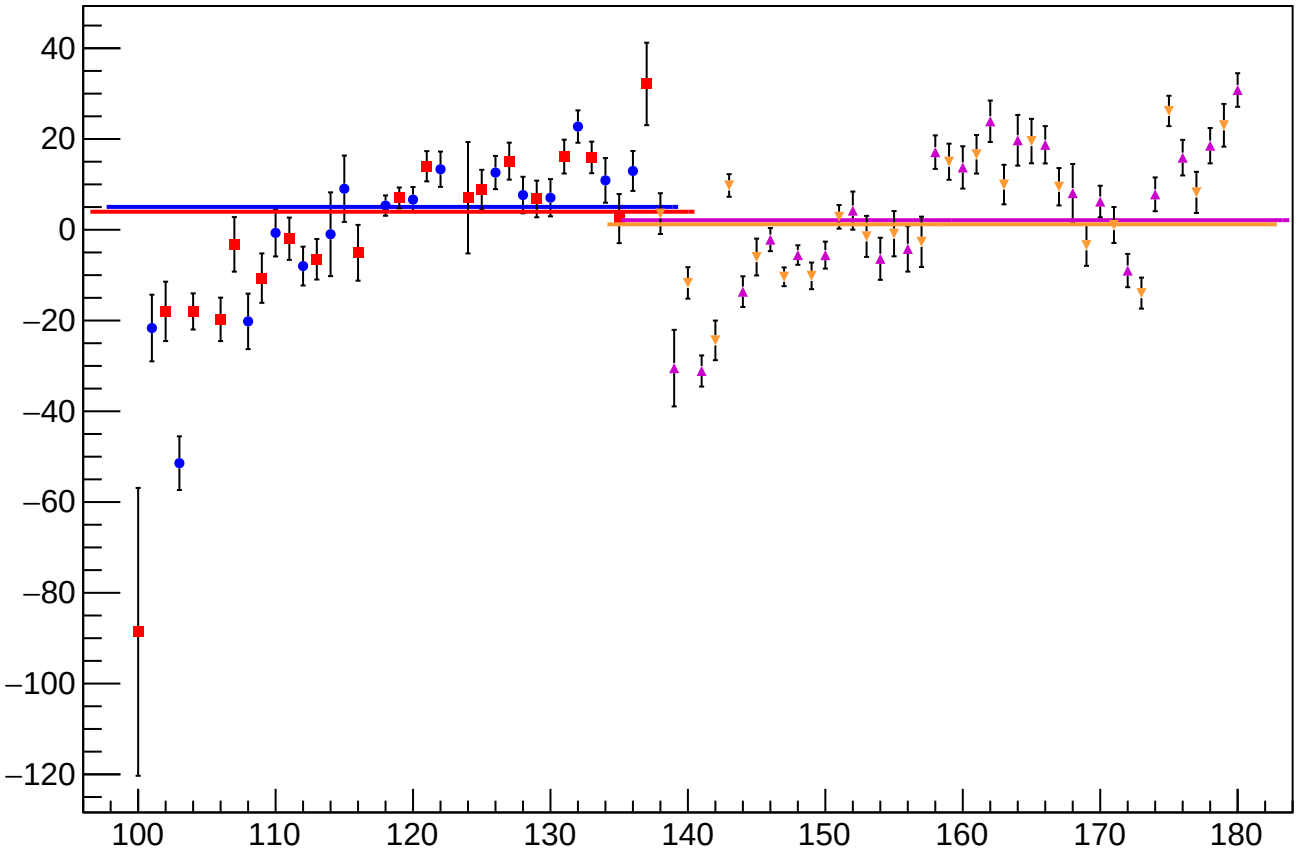
Left: 201.265+/-0.774 χ^2/NDF: 8732.9/42

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 176.624+/-0.742 χ^2/NDF:5141.4/36

Out: 162.176+/-0.719 χ^2/NDF:9774.9/40

All: 169.169+/-0.517 χ^2/NDF: 15111.7/77



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 1.198+/-0.772 χ^2/NDF:258.9/21

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: 2.110+/-0.809 χ^2/NDF:333.3/20

Left: 1.633+/-0.558 χ^2/NDF: 592.9/42

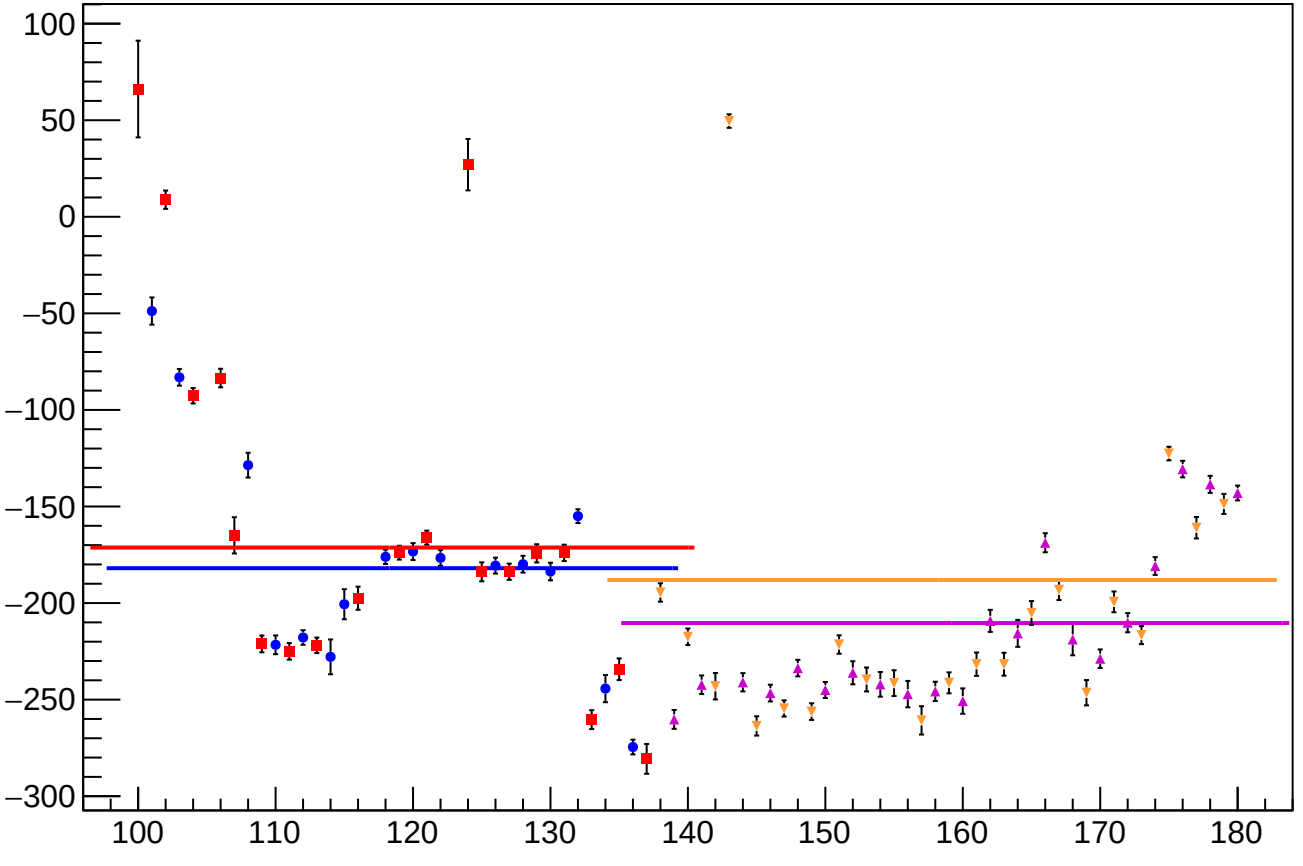
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 3.240+/-0.634 χ^2/NDF:510.2/36

Out: 2.219+/-0.614 χ^2/NDF:408.5/40

All: 2.712+/-0.441 χ^2/NDF: 920.1/77

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: -188.038+/-1.073 χ^2/NDF:6448.1/21

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -210.346+/-1.089 χ^2/NDF:1565.0/20

Left: -199.032+/-0.764 χ^2/NDF: 8226.0/42

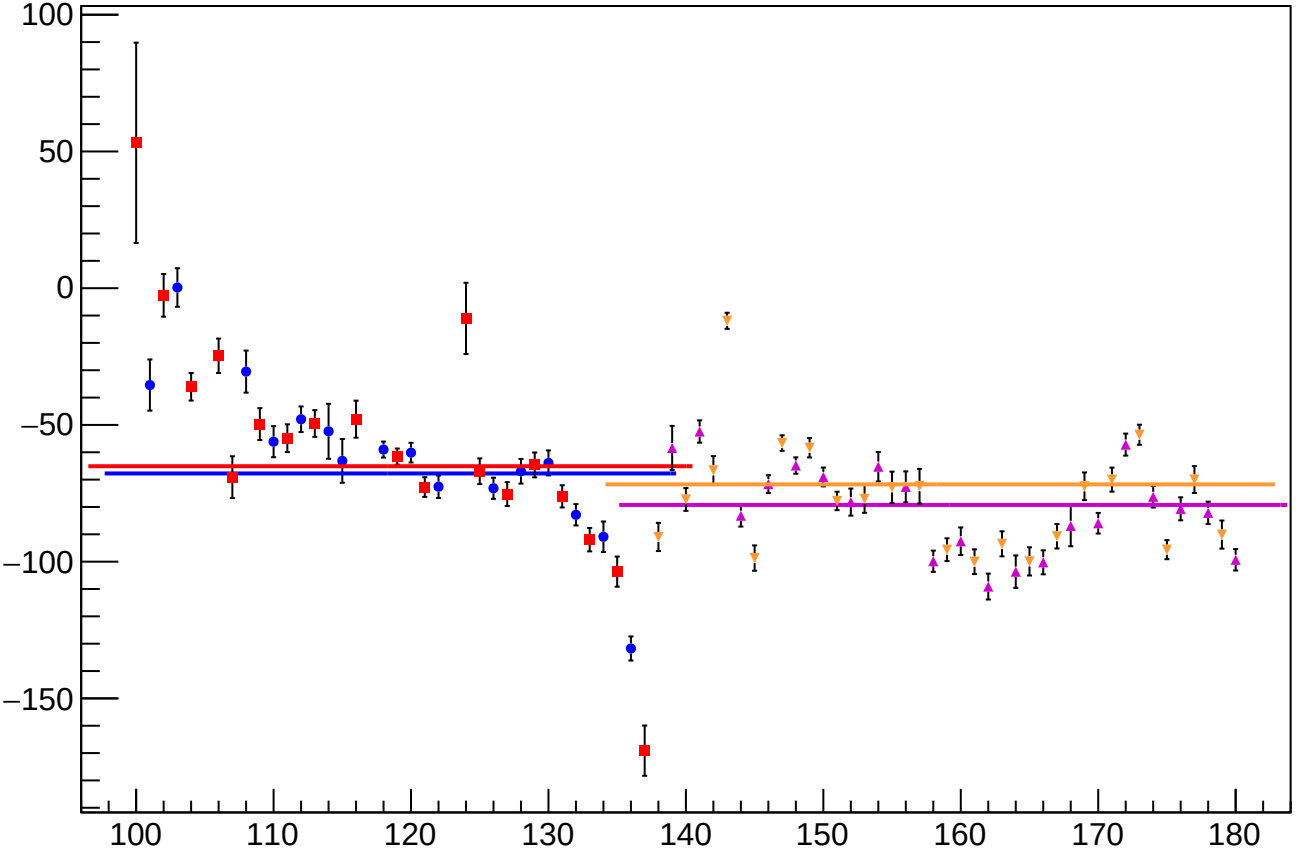
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -196.974+/-0.792 χ^2/NDF:3755.9/36

Out: -179.942+/-0.772 χ^2/NDF:10194.2/40

All: -188.240+/-0.553 χ^2/NDF: 14187.3/77

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.746+/-0.895 χ^2/NDF:738.5/21

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -79.258+/-0.927 χ^2/NDF:272.6/20

Left: -75.369+/-0.644 χ^2/NDF: 1045.1/42

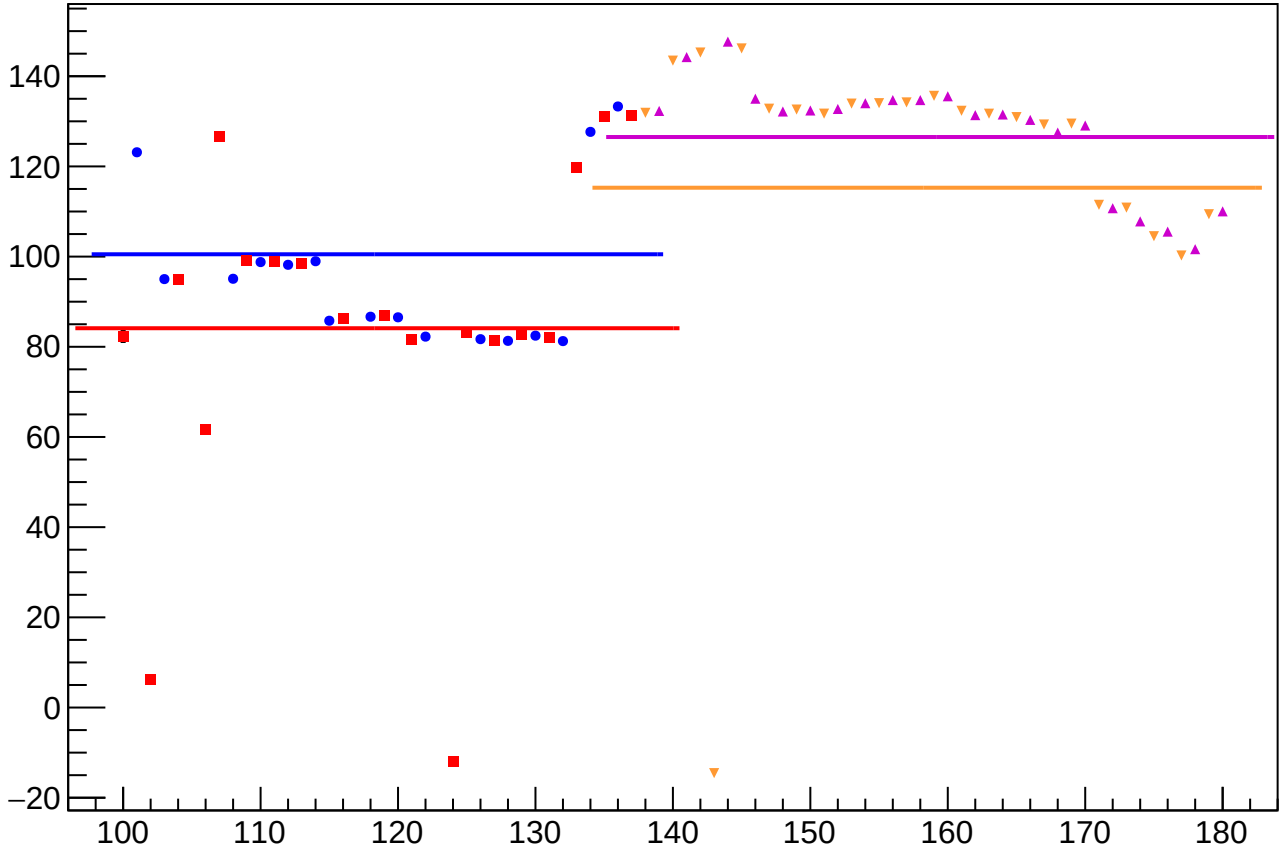
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -74.869+/-0.729 χ^2/NDF:745.4/36

Out: -69.286+/-0.710 χ^2/NDF:1188.0/40

All: -72.003+/-0.509 χ^2/NDF: 1963.5/77

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.275+/-0.042 χ^2/NDF:951745.2/21

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 126.519+/-0.042 χ^2/NDF:91751.8/20

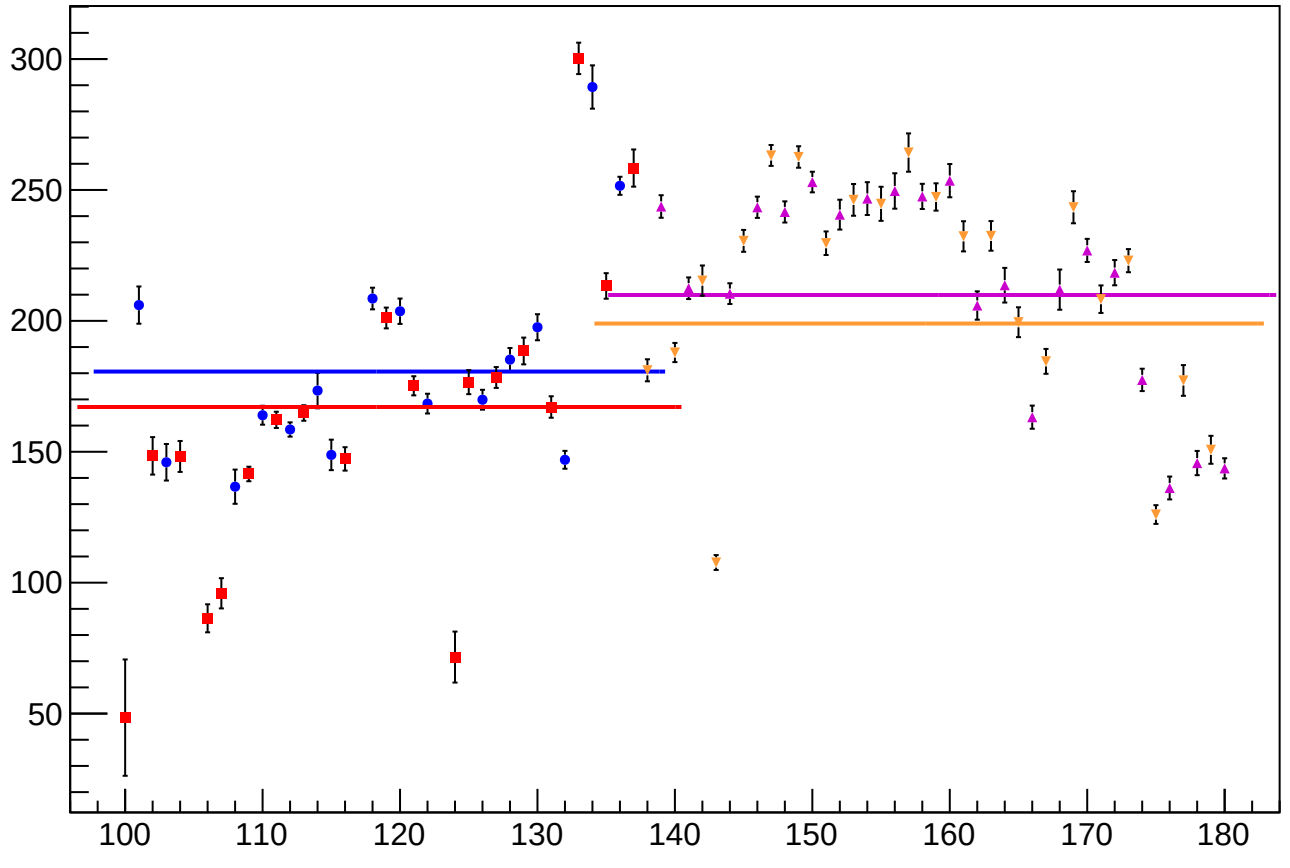
Left: 120.855+/-0.030 χ^2/NDF: 1079332.2/42

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

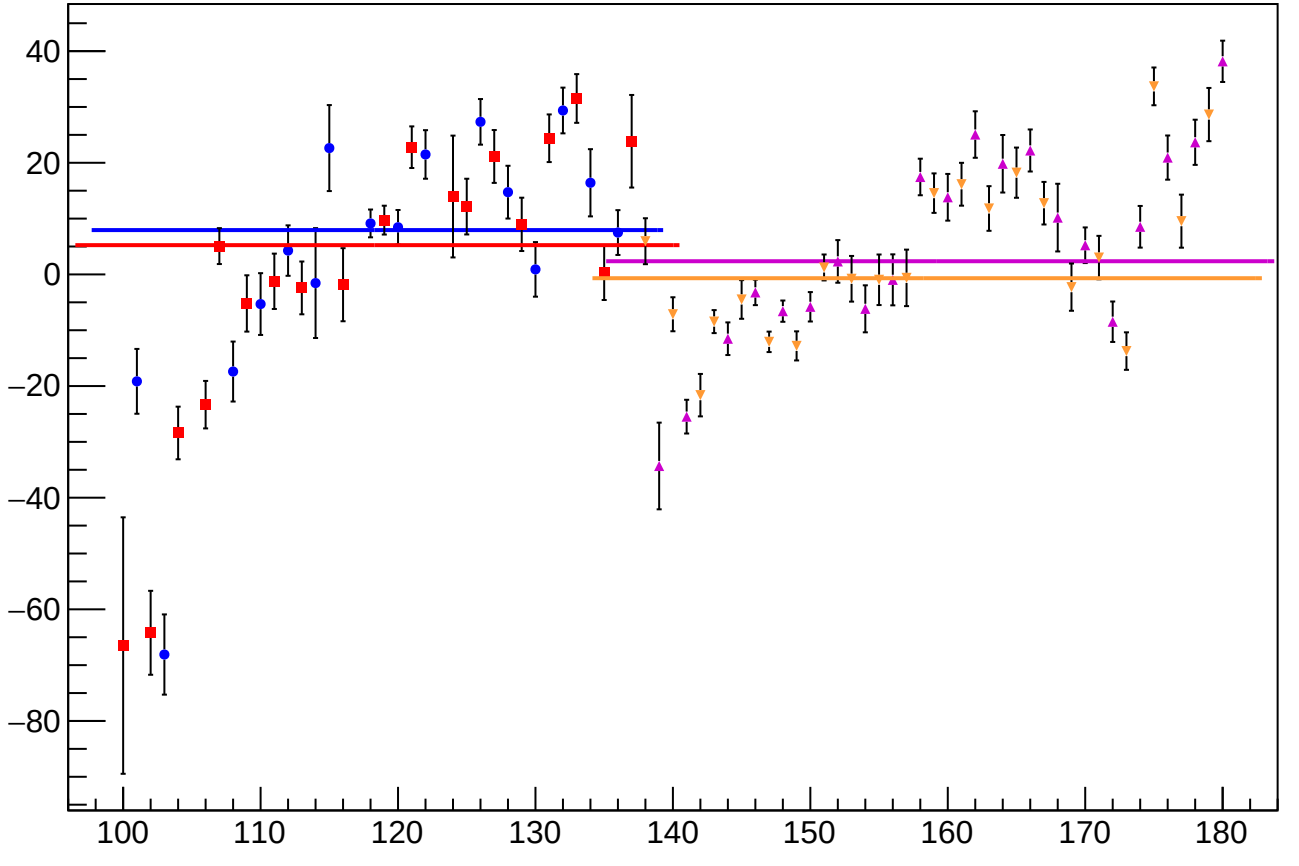
In: 120.143+/-0.037 χ^2/NDF:252499.7/36

Out: 106.933+/-0.036 χ^2/NDF:1363970.9/40

All: 113.389+/-0.026 χ^2/NDF: 1682985.9/77


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 198.976+/-0.994 χ²/NDF:2619.9/21
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 209.882+/-1.027 χ²/NDF:1476.4/20
Left: 204.251+/-0.714 χ²/NDF: 4154.5/42
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 196.126+/-0.747 χ²/NDF:2851.4/36
Out: 183.467+/-0.712 χ²/NDF:4605.0/40
All: 189.491+/-0.515 χ²/NDF: 7606.8/77

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: -0.679+/-0.699 χ^2/NDF:353.4/21

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

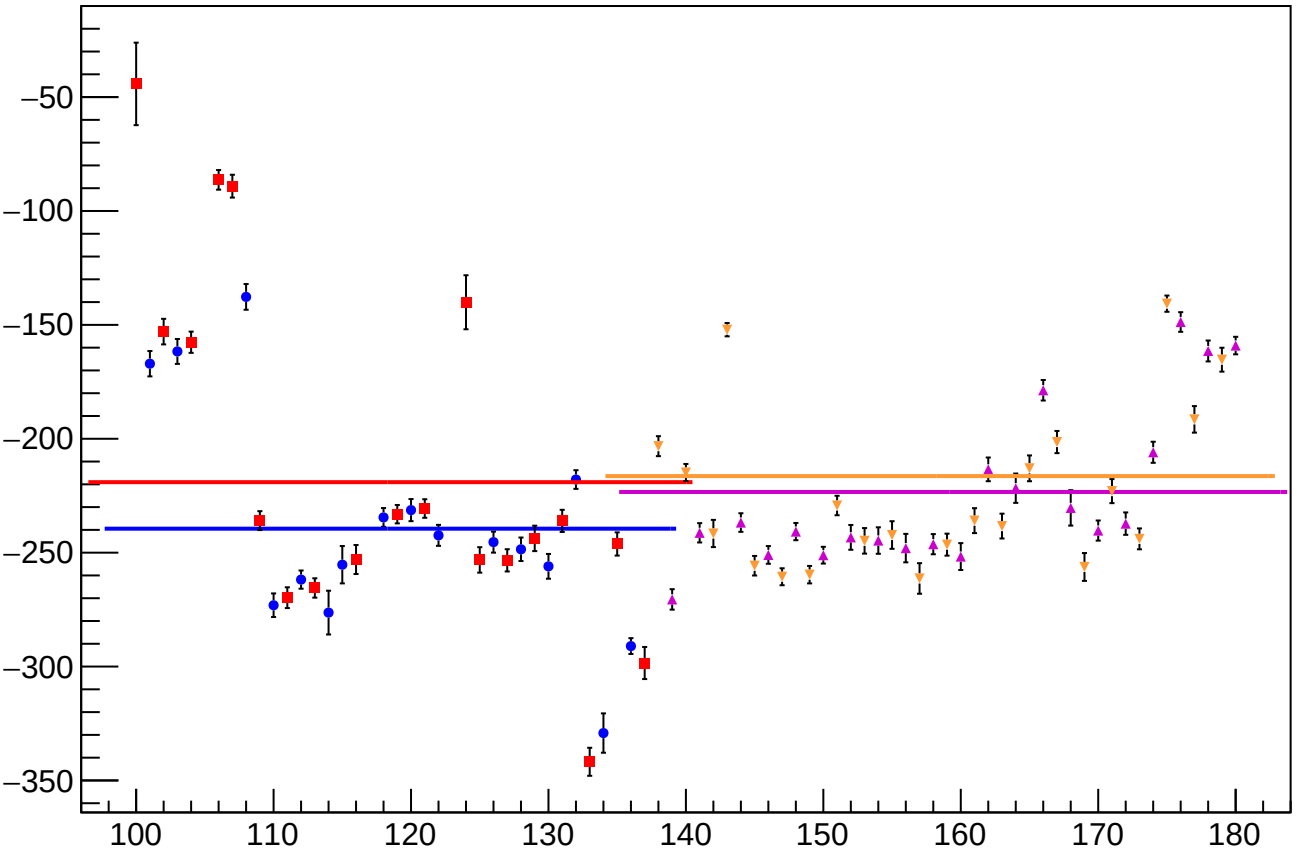
Left: 0.750+/-0.509 χ^2/NDF: 789.6/42

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 4.079+/-0.618 χ^2/NDF:677.6/36

Out: 1.110+/-0.584 χ^2/NDF:678.0/40

All: 2.512+/-0.424 χ^2/NDF: 1367.9/77



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

Left: -219.771+/-0.704 χ^2/NDF: 2967.4/42

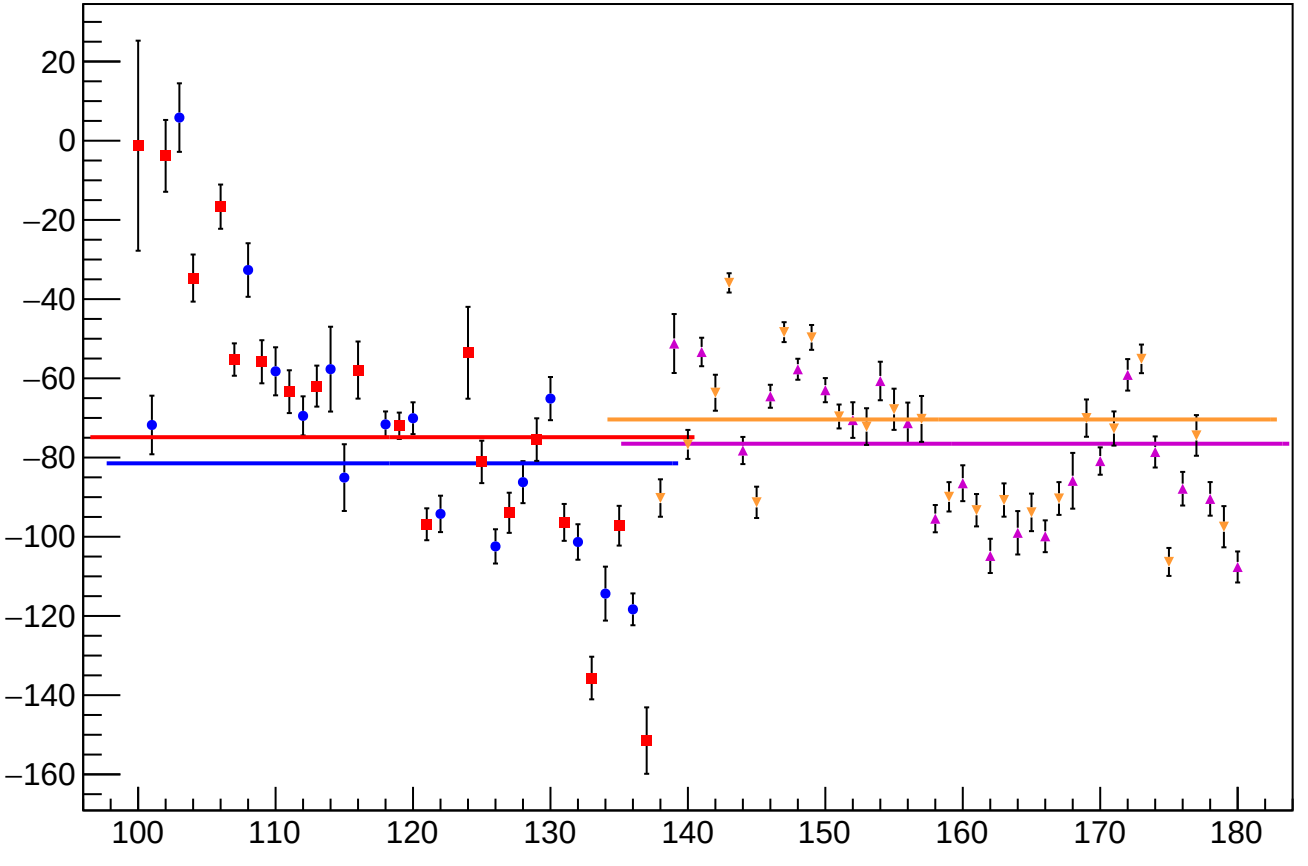
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -229.754+/-0.785 χ^2/NDF:2523.5/36

Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -223.372+/-0.544 χ^2/NDF: 7385.6/77

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: -70.383+/-0.815 χ^2/NDF:652.2/21

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

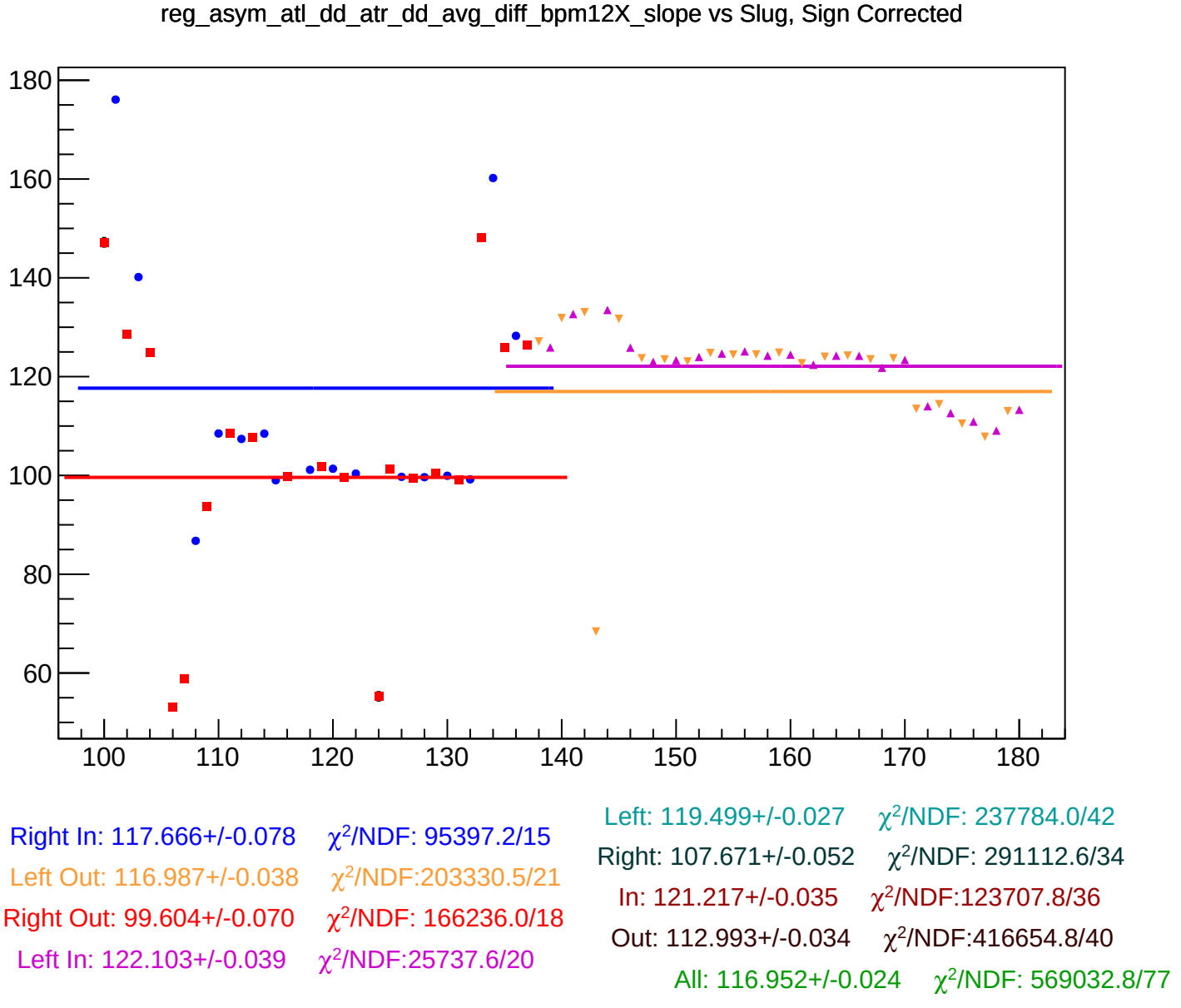
Left: -73.301+/-0.590 χ^2/NDF: 1065.3/42

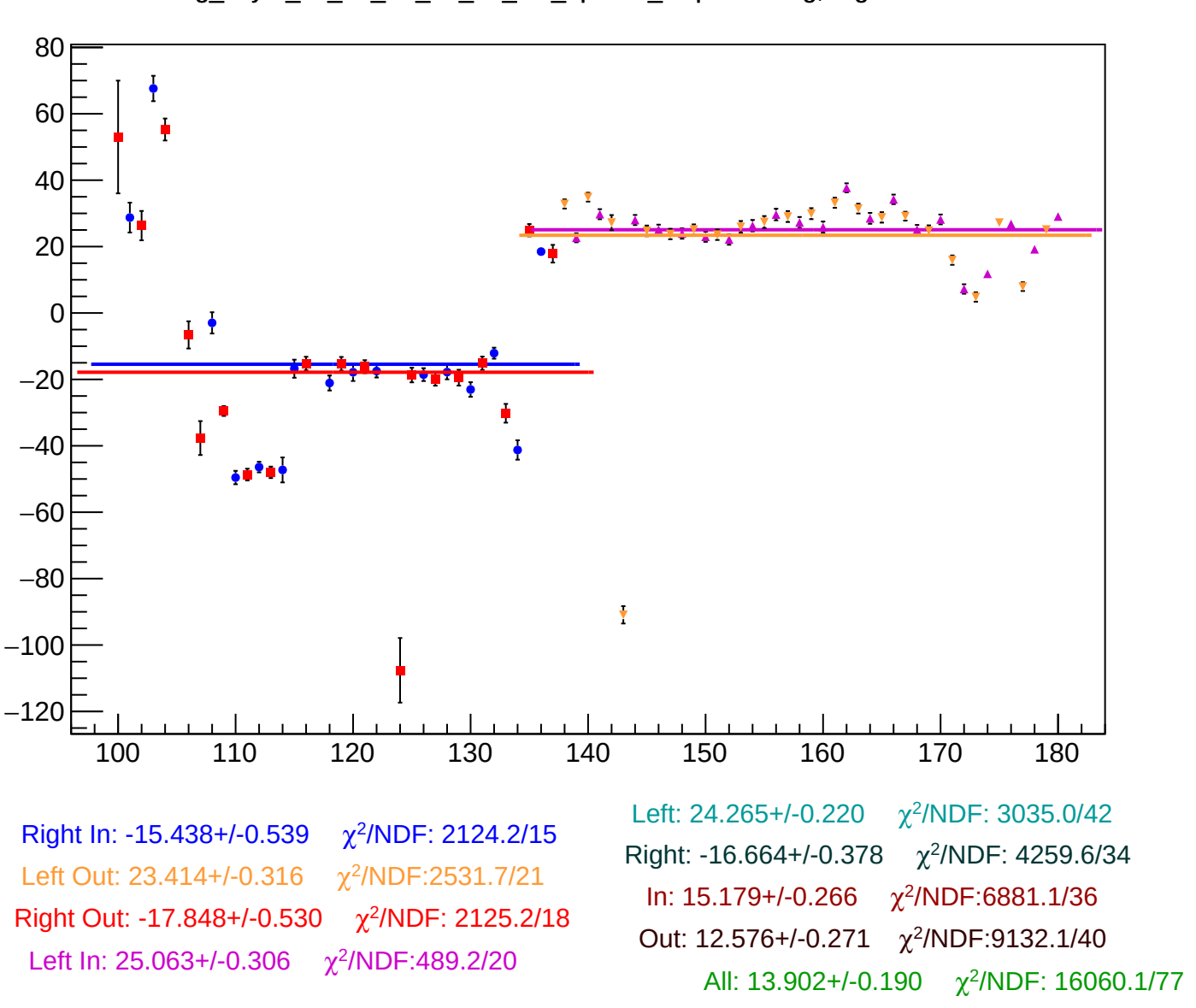
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -78.028+/-0.712 χ^2/NDF:762.9/36

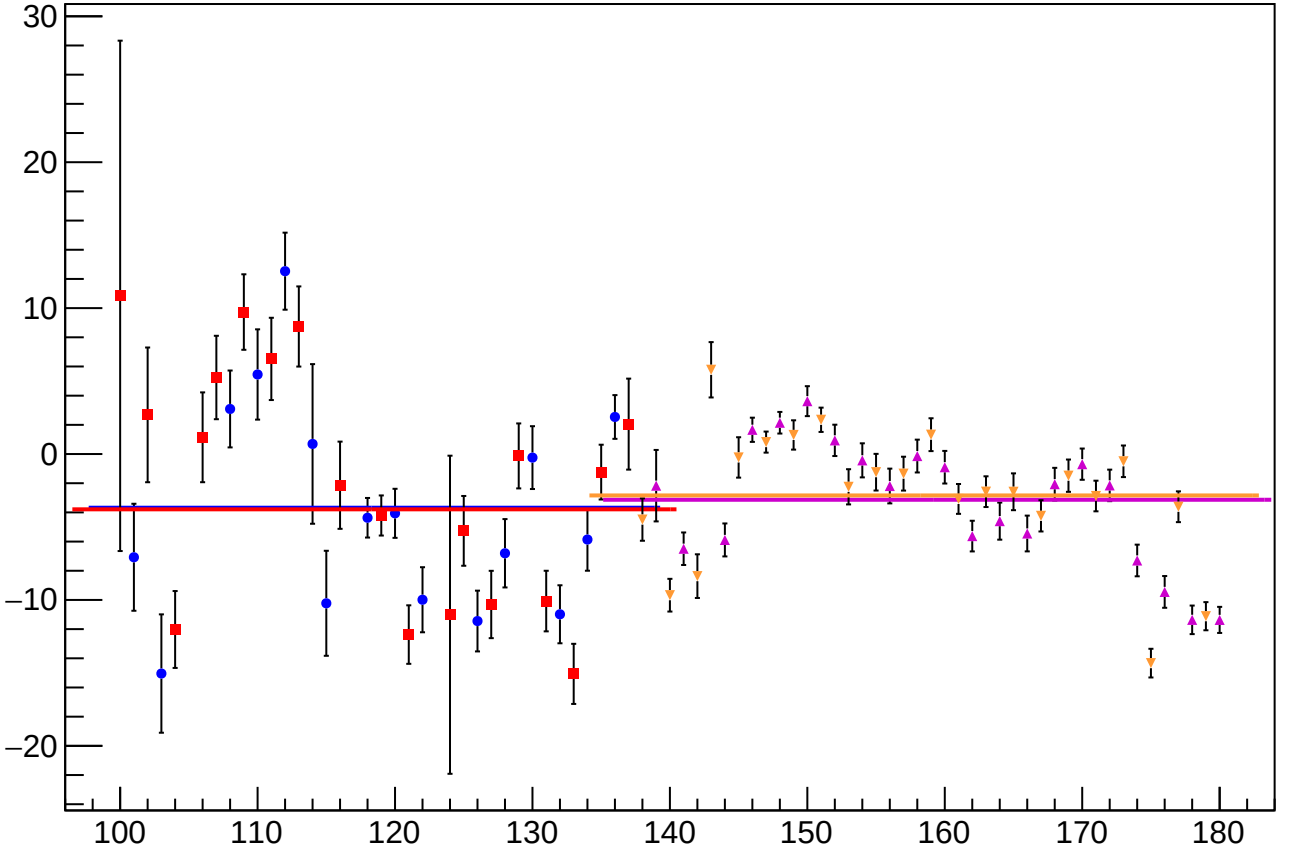
Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
180
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 117.666+/-0.078 χ²/NDF: 95397.2/15
Left Out: 116.987+/-0.038 χ²/NDF:203330.5/21
Right Out: 99.604+/-0.070 χ²/NDF: 166236.0/18
Left In: 122.103+/-0.039 χ²/NDF:25737.6/20
Left: 119.499+/-0.027 χ²/NDF: 237784.0/42
Right: 107.671+/-0.052 χ²/NDF: 291112.6/34
In: 121.217+/-0.035 χ²/NDF:123707.8/36
Out: 112.993+/-0.034 χ²/NDF:416654.8/40
All: 116.952+/-0.024 χ²/NDF: 569032.8/77


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
180
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 23.414+/-0.316 χ²/NDF:2531.7/21
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.063+/-0.306 χ²/NDF:489.2/20
Left: 24.265+/-0.220 χ²/NDF: 3035.0/42
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 15.179+/-0.266 χ²/NDF:6881.1/36
Out: 12.576+/-0.271 χ²/NDF:9132.1/40
All: 13.902+/-0.190 χ²/NDF: 16060.1/77

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.134+/-0.232 χ^2/NDF:395.6/20

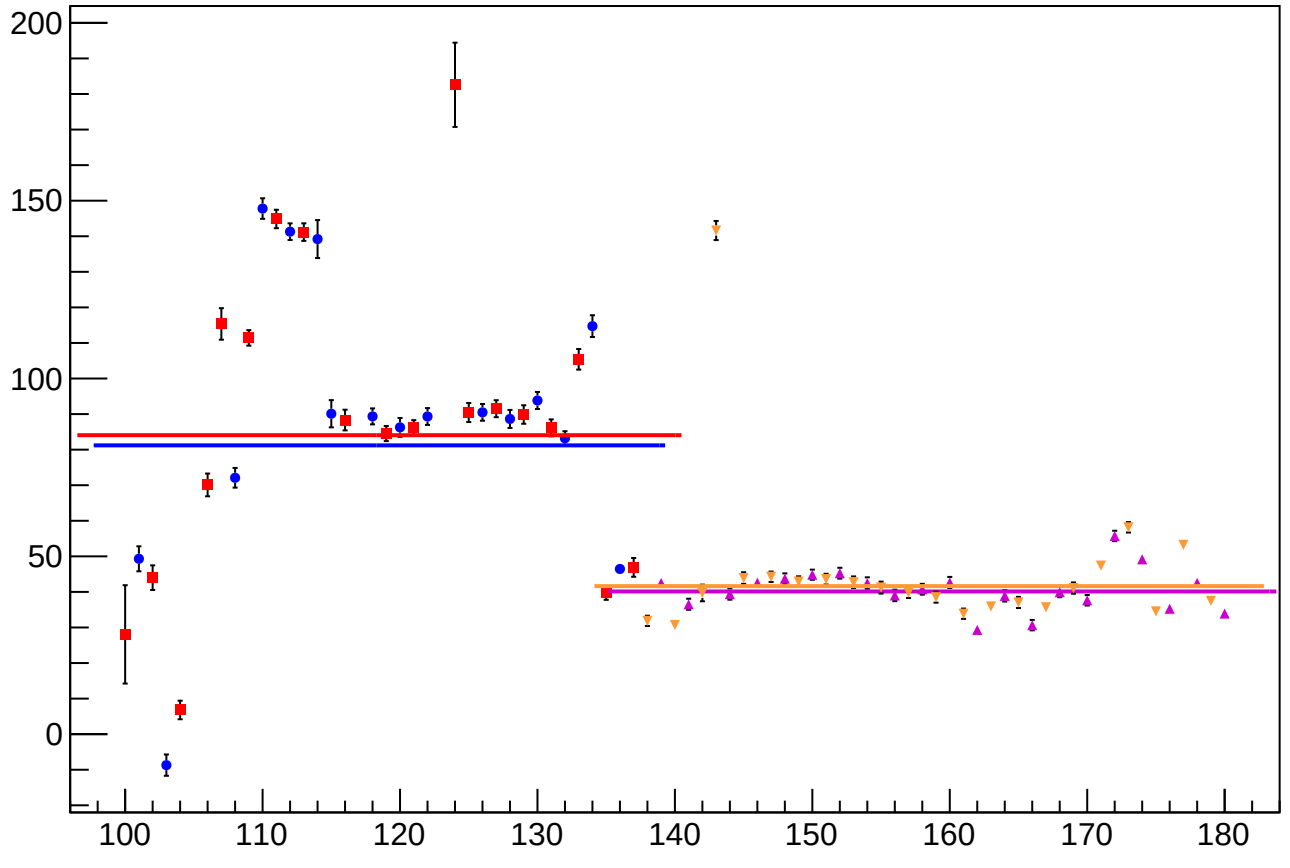
Left: -2.986+/-0.164 χ^2/NDF: 790.3/42

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.216+/-0.214 χ^2/NDF:520.4/36

Out: -2.975+/-0.214 χ^2/NDF:557.6/40

All: -3.096+/-0.151 χ^2/NDF: 1078.6/77



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

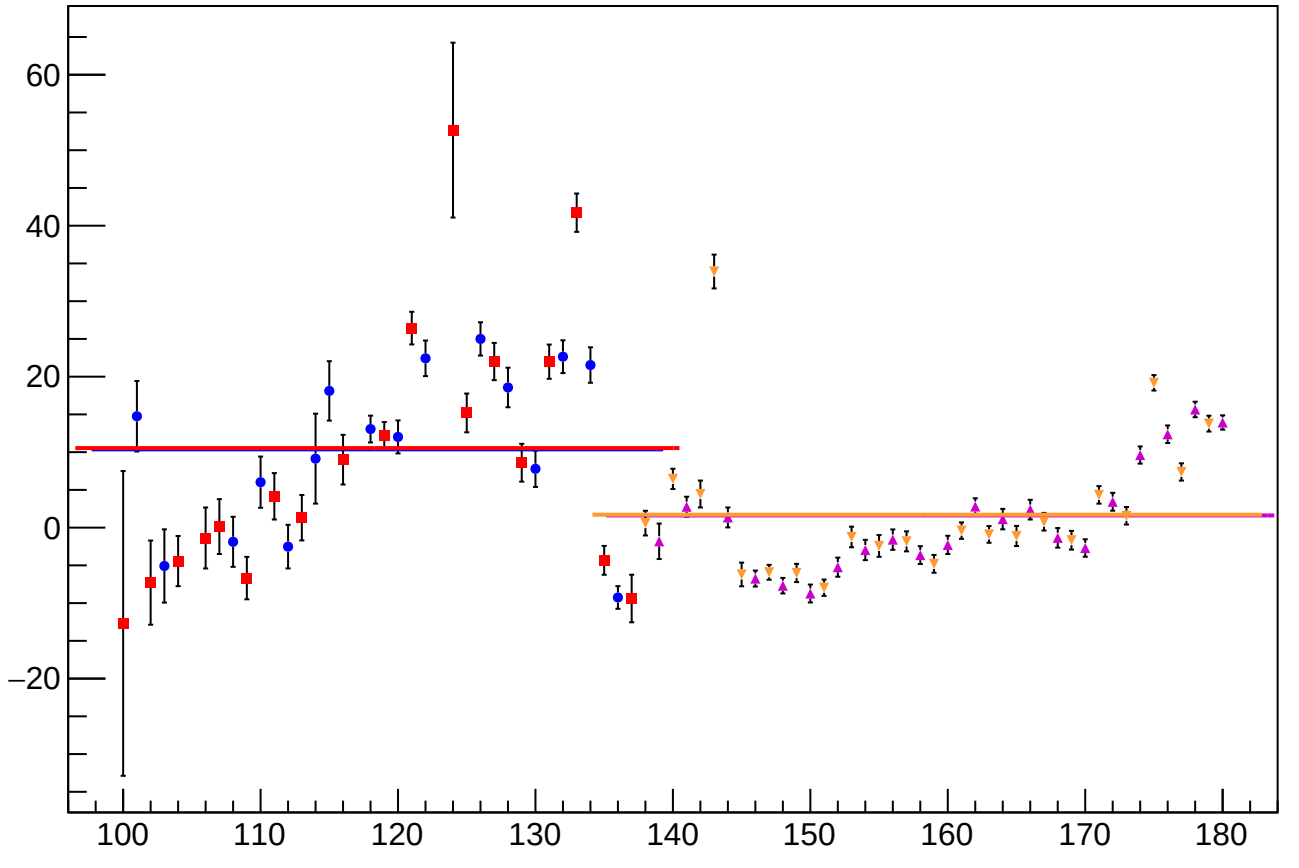
Left: 40.854+/-0.217 χ^2/NDF: 2264.7/42

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 48.270+/-0.270 χ^2/NDF:7288.7/36

Out: 50.237+/-0.278 χ^2/NDF:8851.7/40

All: 49.228+/-0.194 χ^2/NDF: 16166.2/77



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.714+/-0.263 χ^2/NDF:953.5/21

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

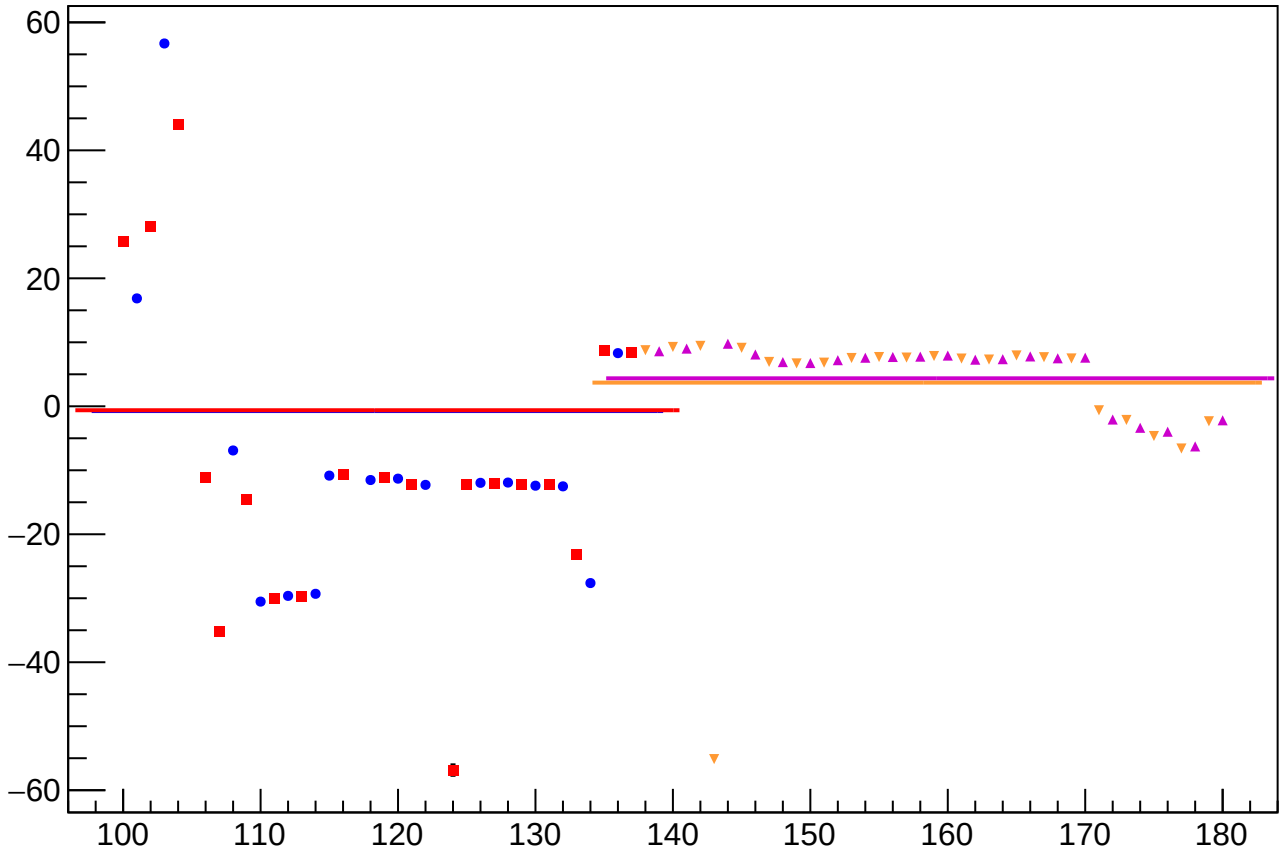
Left: 1.663+/-0.186 χ^2/NDF: 1768.2/42

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.914+/-0.241 χ^2/NDF:1340.6/36

Out: 2.989+/-0.243 χ^2/NDF:1586.8/40

All: 2.951+/-0.171 χ^2/NDF: 2927.4/77



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

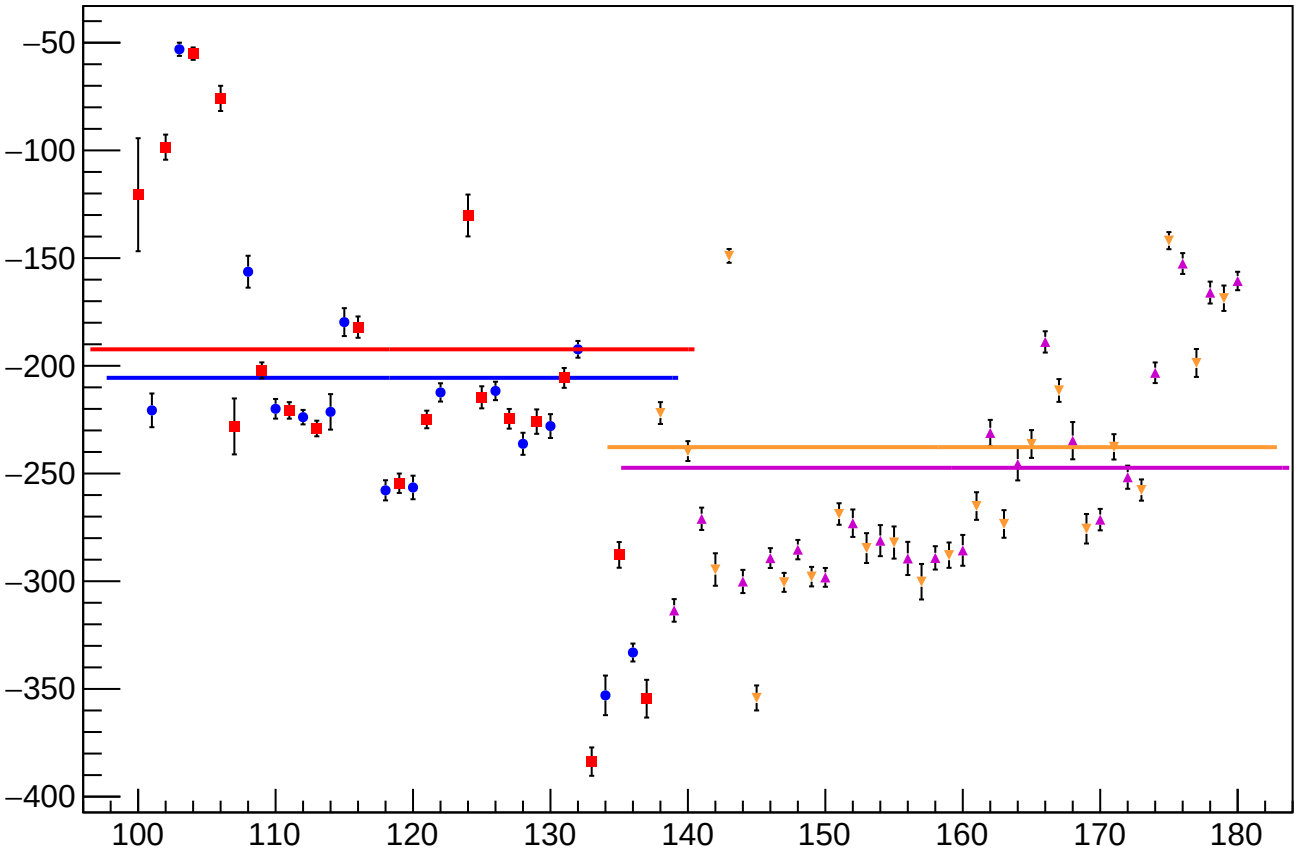
Left: 4.042+/-0.008 χ^2/NDF: 683958.6/42

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.887+/-0.011 χ^2/NDF:592109.9/36

Out: 3.305+/-0.011 χ^2/NDF:805255.1/40

All: 3.603+/-0.008 χ^2/NDF: 1398727.0/77



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -237.768+/-1.140 χ^2/NDF:2743.3/21

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -247.348+/-1.174 χ^2/NDF:2032.0/20

Left: -242.415+/-0.818 χ^2/NDF: 4809.6/42

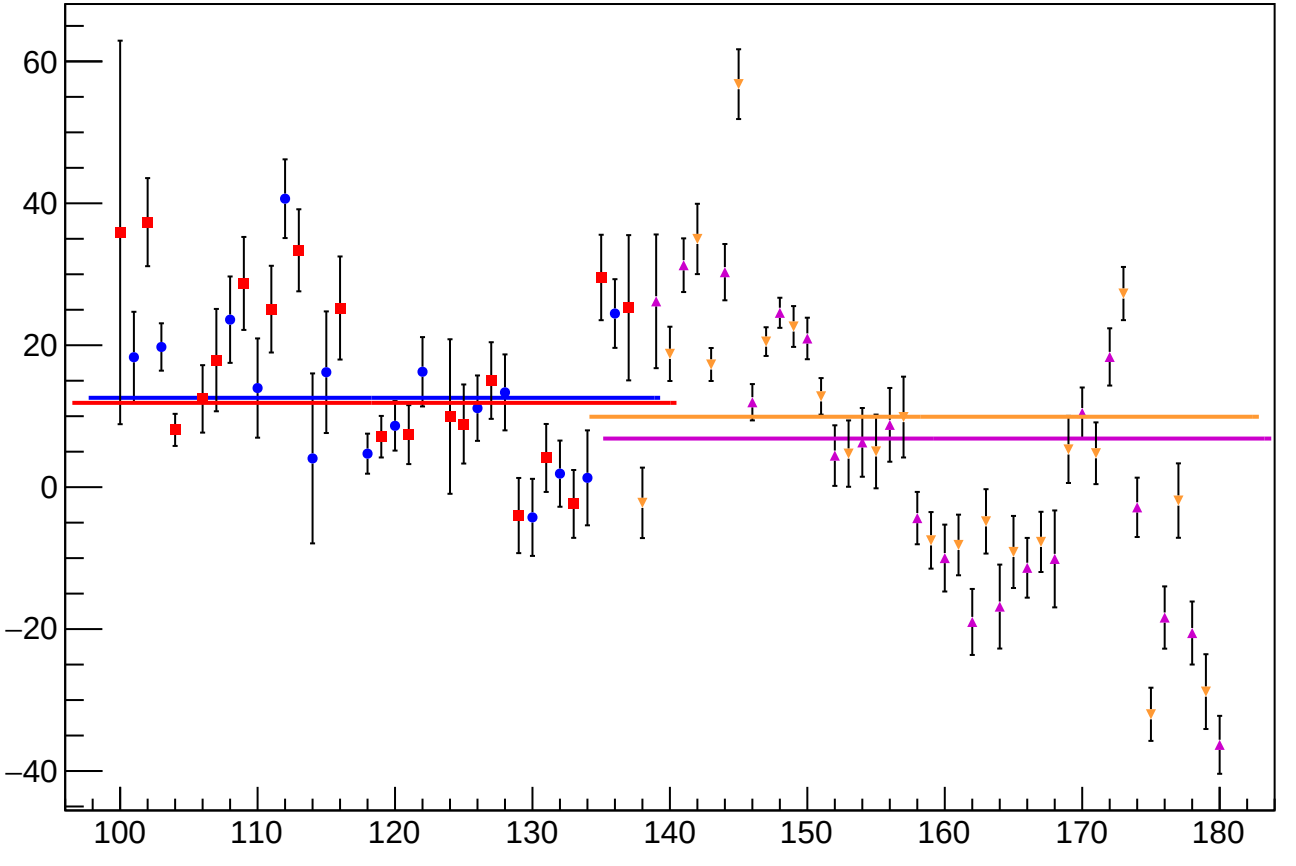
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -226.645+/-0.834 χ^2/NDF:6715.1/36

Out: -214.706+/-0.800 χ^2/NDF:8519.2/40

All: -220.425+/-0.577 χ^2/NDF: 15341.0/77

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 9.923+/-0.796 χ^2/NDF:475.1/21

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 6.850+/-0.845 χ^2/NDF:469.6/20

Left: 8.478+/-0.579 χ^2/NDF: 951.7/42

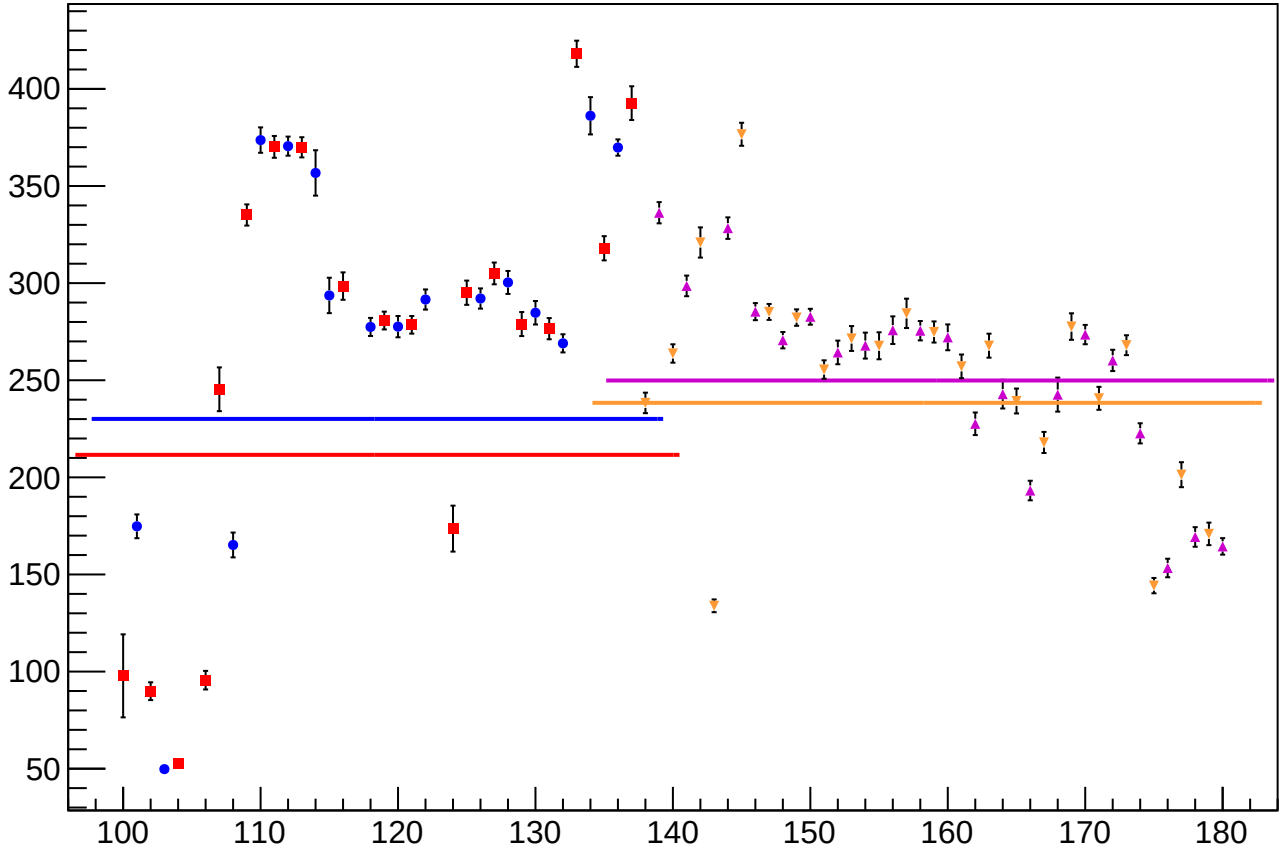
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 8.747+/-0.691 χ^2/NDF:553.3/36

Out: 10.579+/-0.649 χ^2/NDF:562.1/40

All: 9.721+/-0.473 χ^2/NDF: 1119.1/77

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: 238.370+/-1.124 χ^2/NDF:2916.5/21

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 249.869+/-1.154 χ^2/NDF:2016.2/20

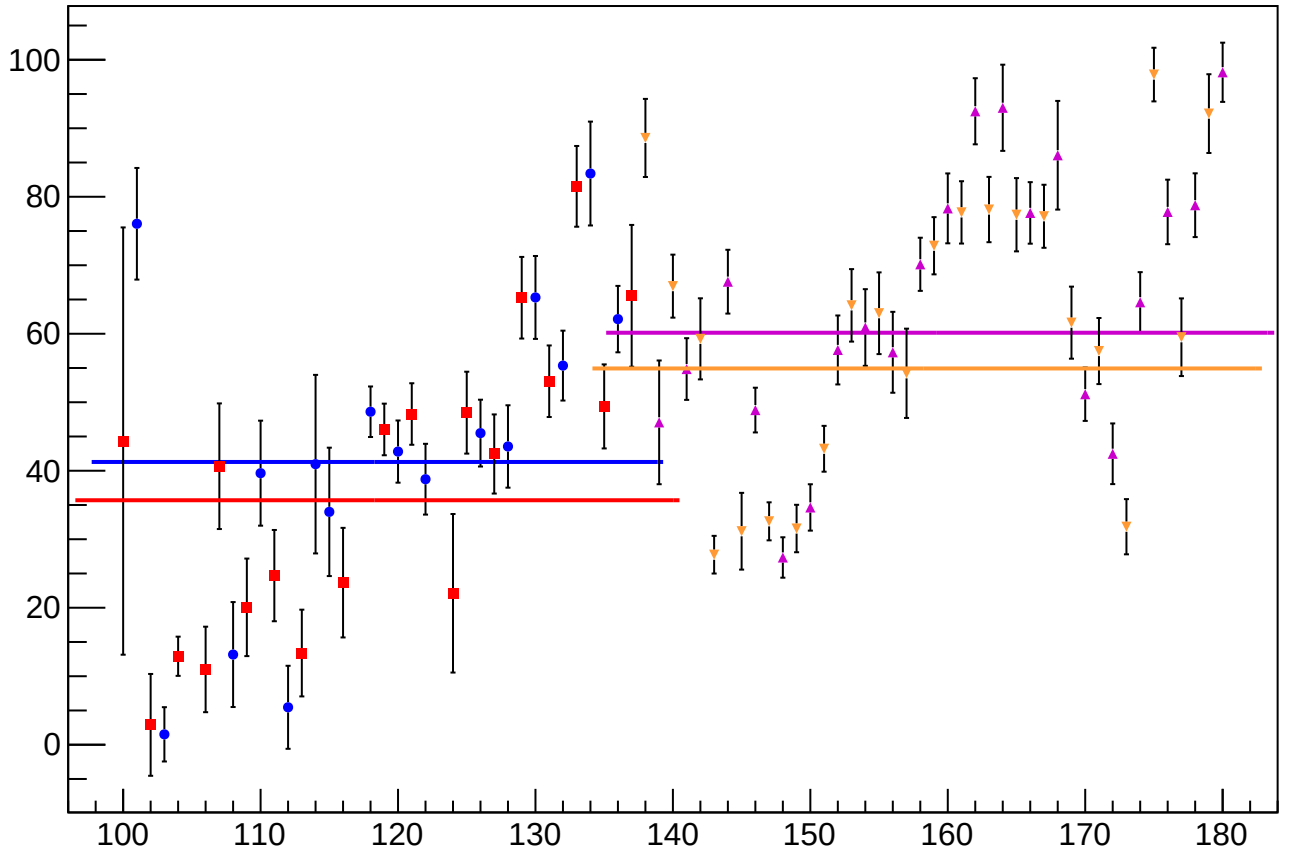
Left: 243.971+/-0.805 χ^2/NDF: 4983.6/42

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 240.847+/-0.851 χ^2/NDF:11525.8/36

Out: 225.797+/-0.819 χ^2/NDF:14655.0/40

All: 233.035+/-0.590 χ^2/NDF: 26343.2/77



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 54.932+/-0.929 χ^2/NDF:590.7/21

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 60.147+/-0.973 χ^2/NDF:445.8/20

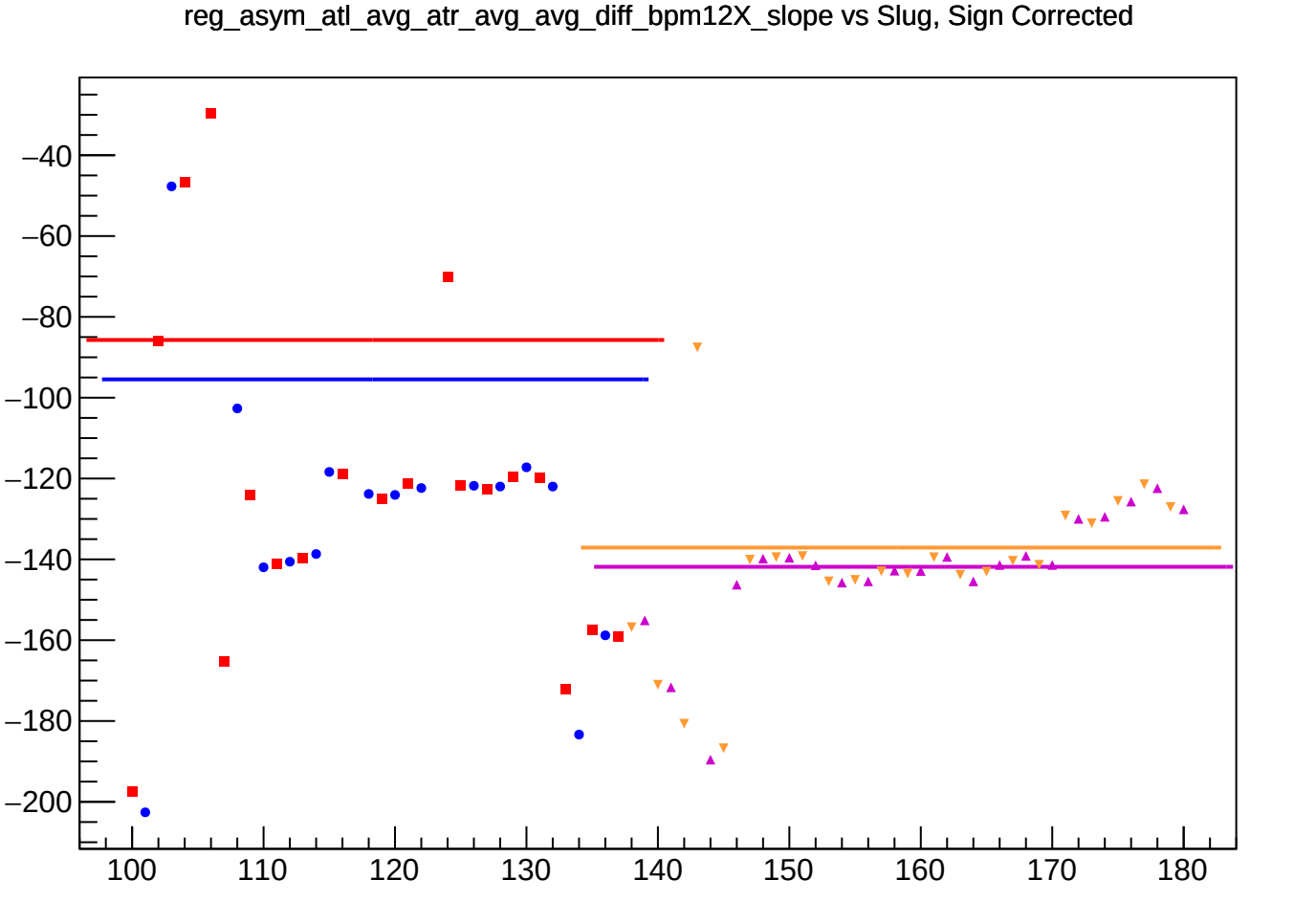
Left: 57.417+/-0.672 χ^2/NDF: 1051.5/42

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 53.984+/-0.799 χ^2/NDF:814.2/36

Out: 48.542+/-0.759 χ^2/NDF:986.5/40

All: 51.124+/-0.550 χ^2/NDF: 1825.1/77



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.086+/-0.044 χ^2/NDF:247496.8/21

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -141.843+/-0.045 χ^2/NDF:89477.3/20

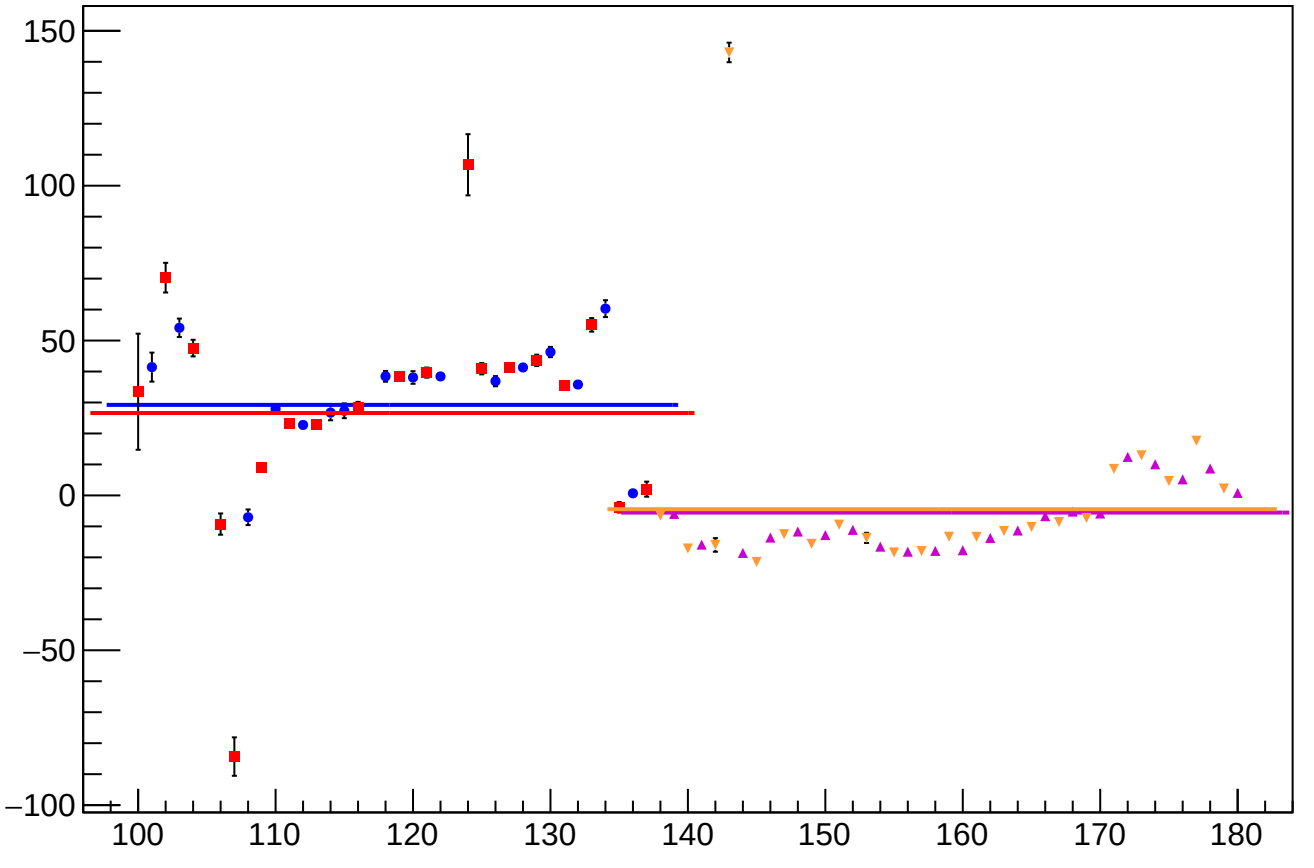
Left: -139.427+/-0.031 χ^2/NDF: 342755.8/42

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.308+/-0.038 χ^2/NDF:925163.6/36

Out: -121.649+/-0.037 χ^2/NDF:1141923.0/40

All: -124.905+/-0.026 χ^2/NDF: 2083182.1/77



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -5.542+/-0.287 χ^2/NDF:1195.7/20

Left: -5.015+/-0.206 χ^2/NDF: 4764.3/42

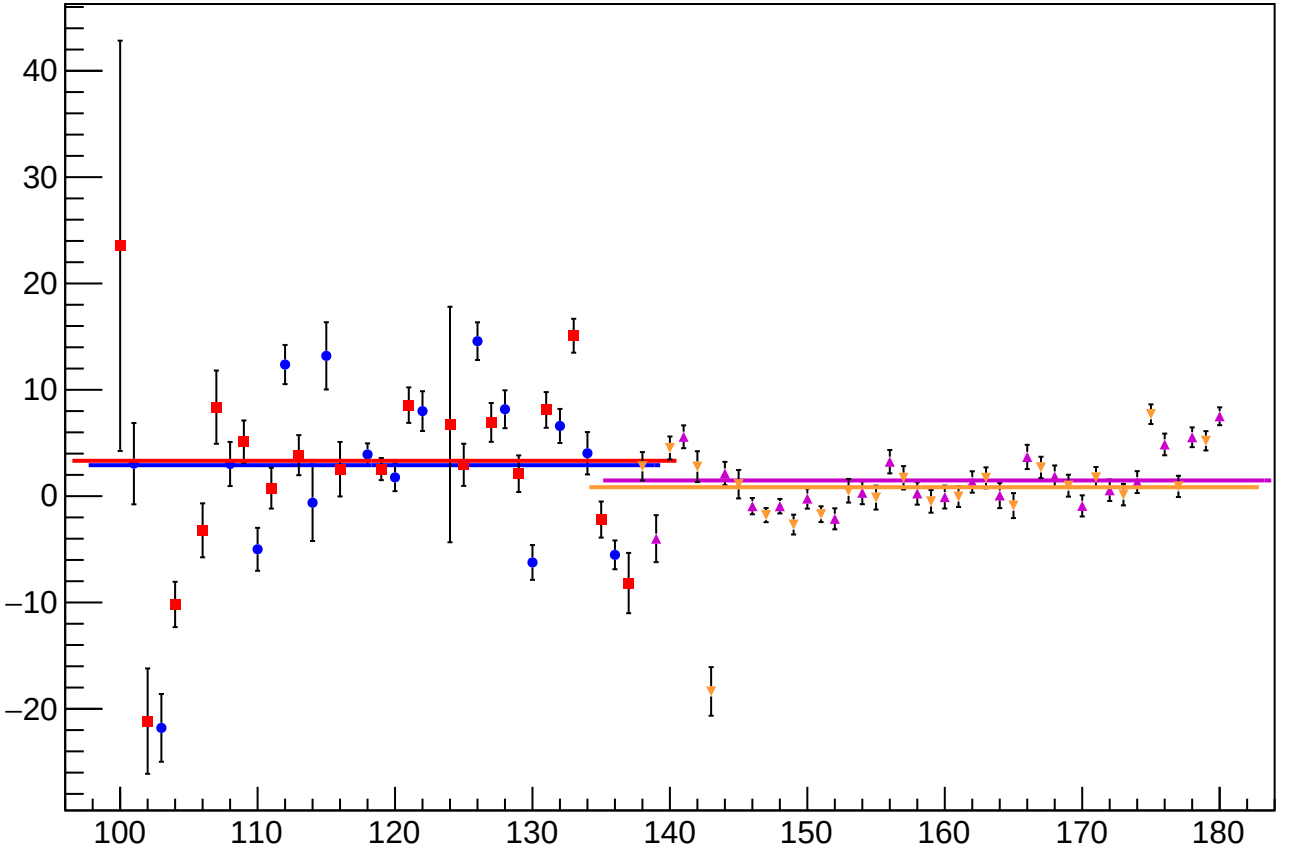
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.358+/-0.238 χ^2/NDF:7149.5/36

Out: 6.074+/-0.241 χ^2/NDF:9202.0/40

All: 5.711+/-0.169 χ^2/NDF: 16356.0/77

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.478+/-0.217 χ^2/NDF:161.1/20

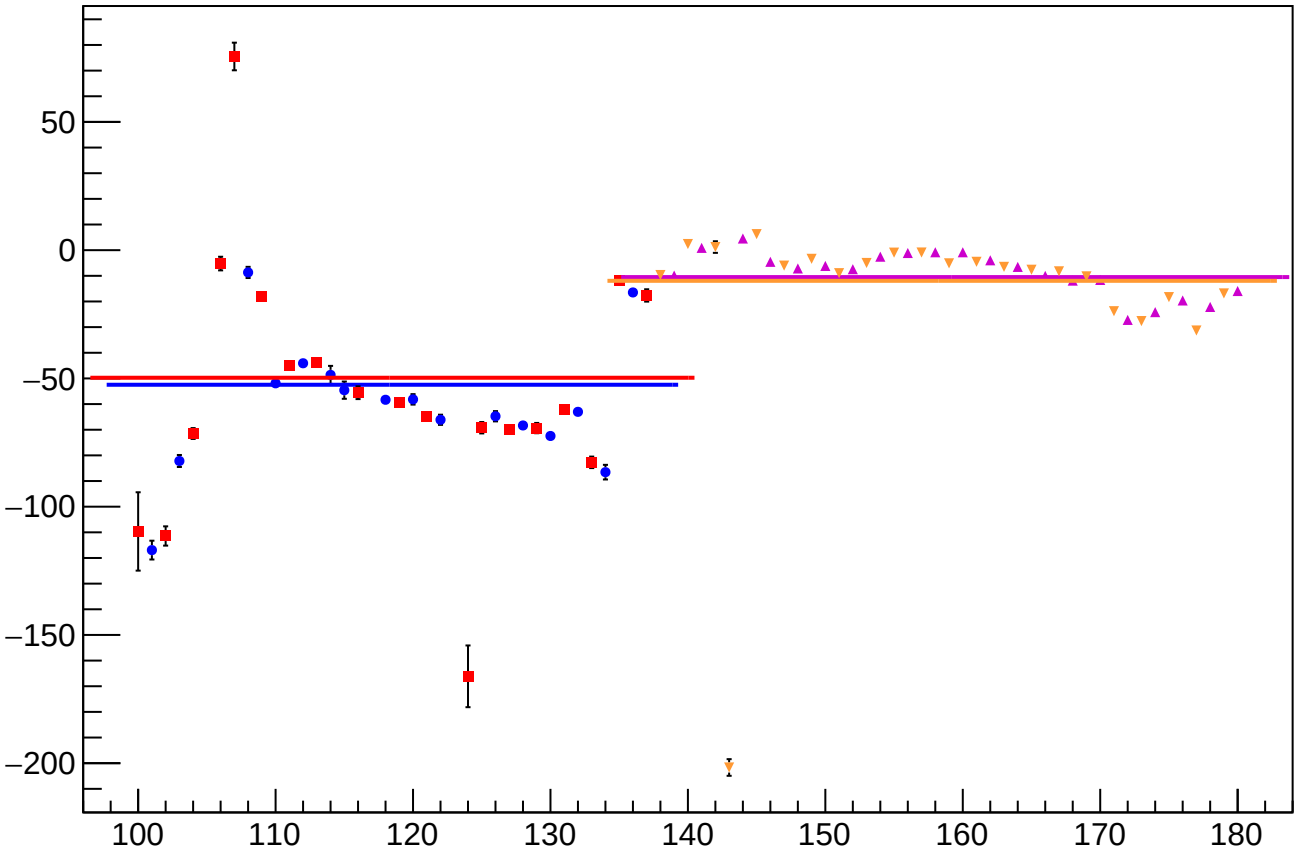
Left: 1.159+/-0.153 χ^2/NDF: 383.1/42

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.756+/-0.195 χ^2/NDF:419.6/36

Out: 1.303+/-0.195 χ^2/NDF:423.9/40

All: 1.530+/-0.138 χ^2/NDF: 846.1/77



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -10.493+/-0.283 χ^2/NDF:891.4/20

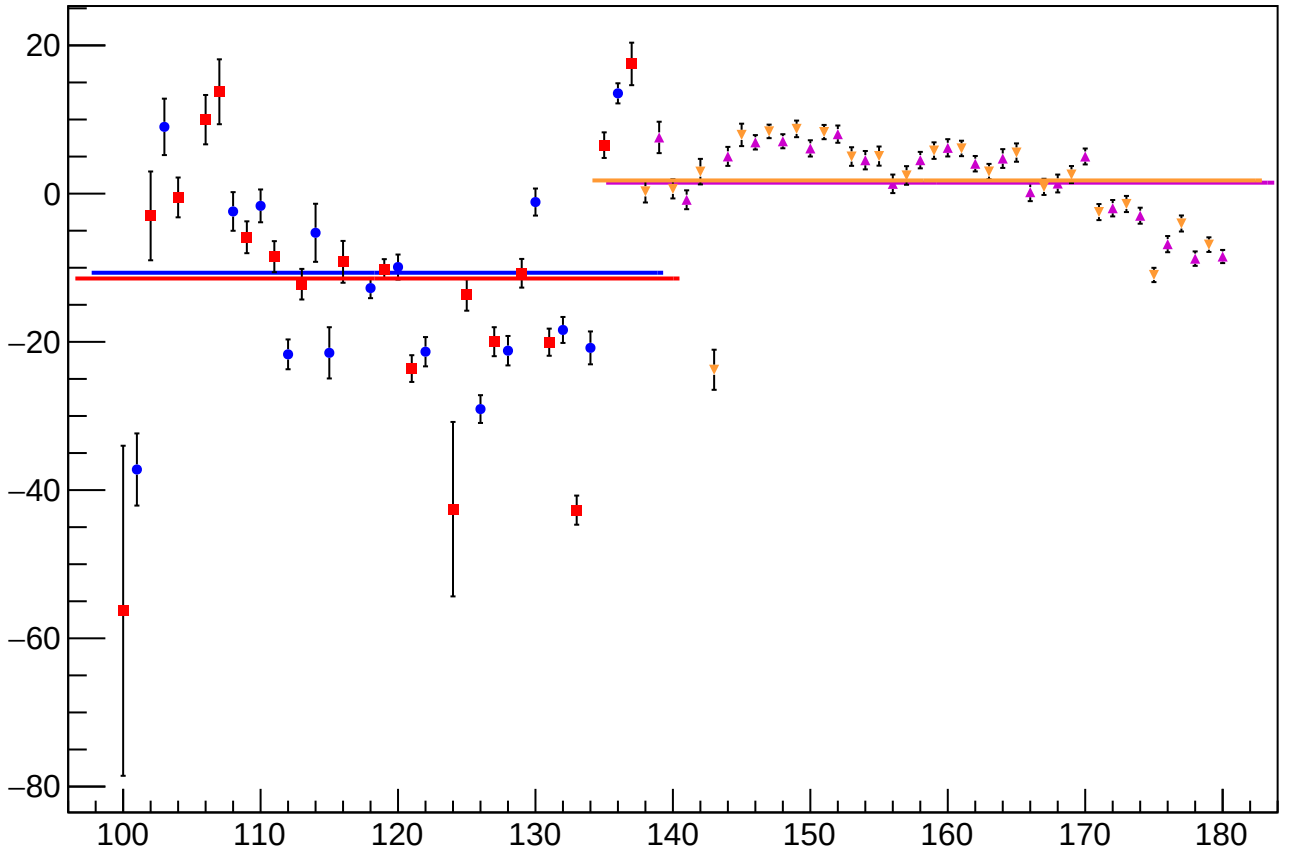
Left: -11.198+/-0.203 χ^2/NDF: 5419.7/42

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.040+/-0.245 χ^2/NDF:8765.7/36

Out: -21.699+/-0.251 χ^2/NDF:11865.2/40

All: -21.361+/-0.175 χ^2/NDF: 20634.5/77



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.779+/-0.246 χ^2/NDF:605.6/21

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.478+/-0.245 χ^2/NDF:510.0/20

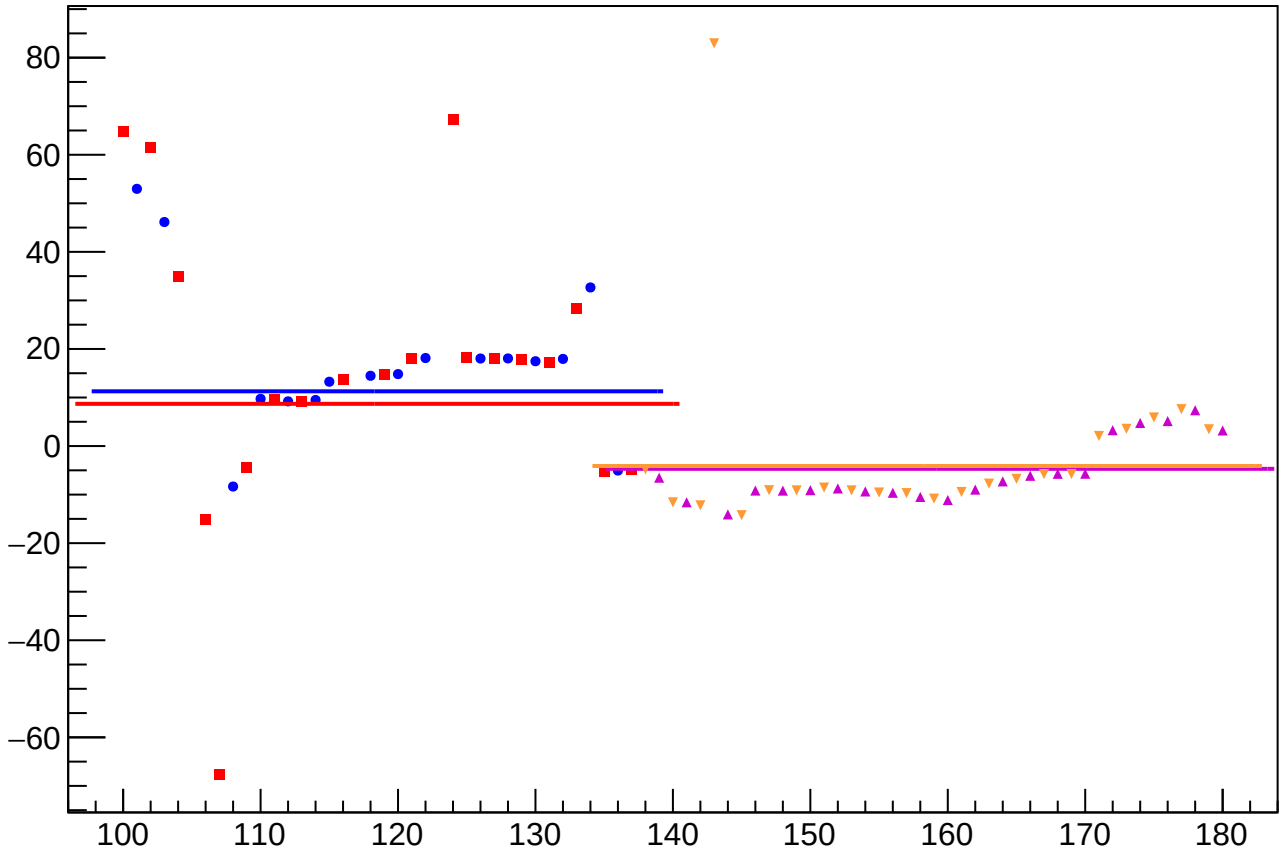
Left: 1.628+/-0.174 χ^2/NDF: 1116.3/42

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.837+/-0.221 χ^2/NDF:1644.3/36

Out: -0.678+/-0.222 χ^2/NDF:1806.4/40

All: -0.758+/-0.157 χ^2/NDF: 3451.0/77



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.104+/-0.011 χ^2/NDF:756805.3/21

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -4.690+/-0.011 χ^2/NDF:346928.7/20

Left: -4.404+/-0.008 χ^2/NDF: 1105163.0/42

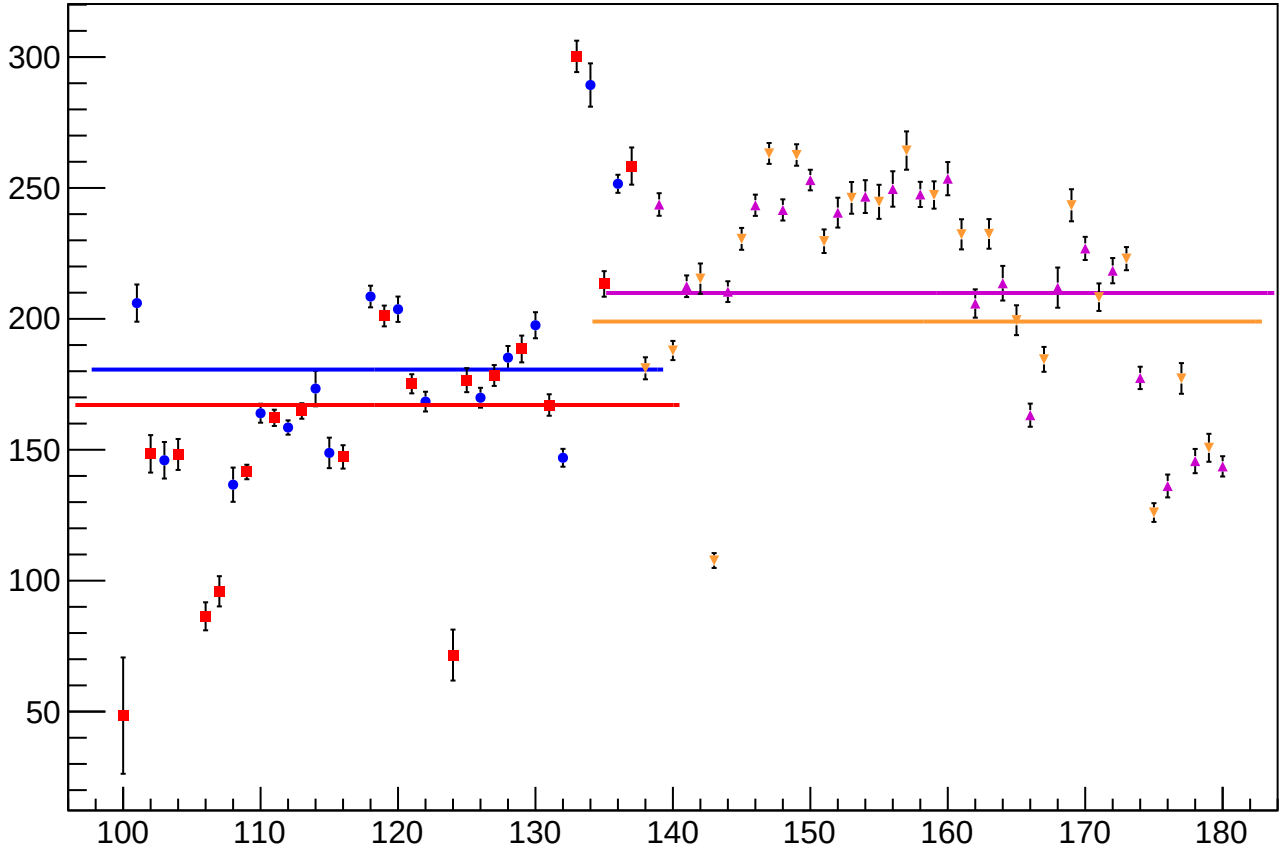
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.843+/-0.010 χ^2/NDF:948076.2/36

Out: -2.690+/-0.010 χ^2/NDF:1340628.6/40

All: -2.768+/-0.007 χ^2/NDF: 2288815.1/77

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.976+/-0.994 χ^2/NDF:2619.9/21

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 209.882+/-1.027 χ^2/NDF:1476.4/20

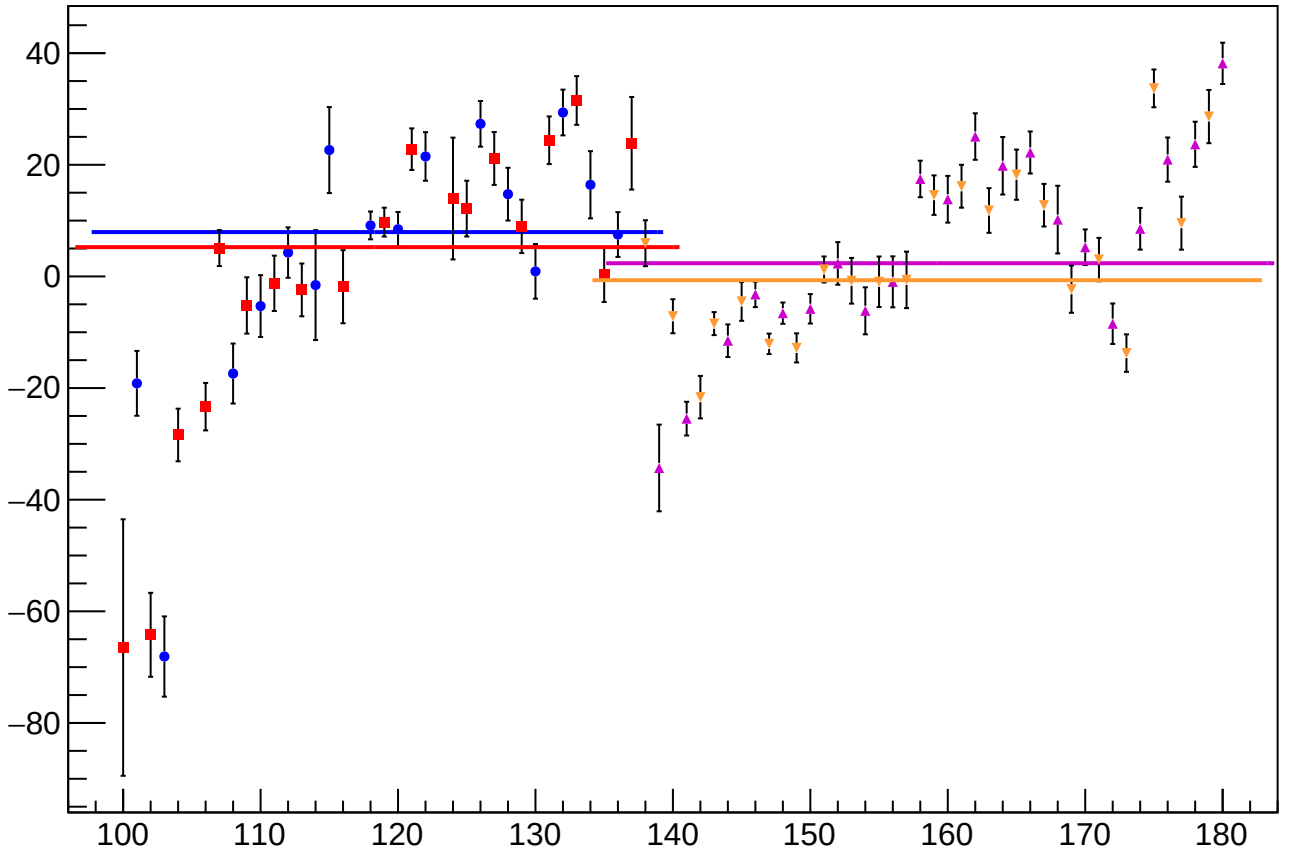
Left: 204.251+/-0.714 χ^2/NDF: 4154.5/42

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 196.126+/-0.747 χ^2/NDF:2851.4/36

Out: 183.467+/-0.712 χ^2/NDF:4605.0/40

All: 189.491+/-0.515 χ^2/NDF: 7606.8/77



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

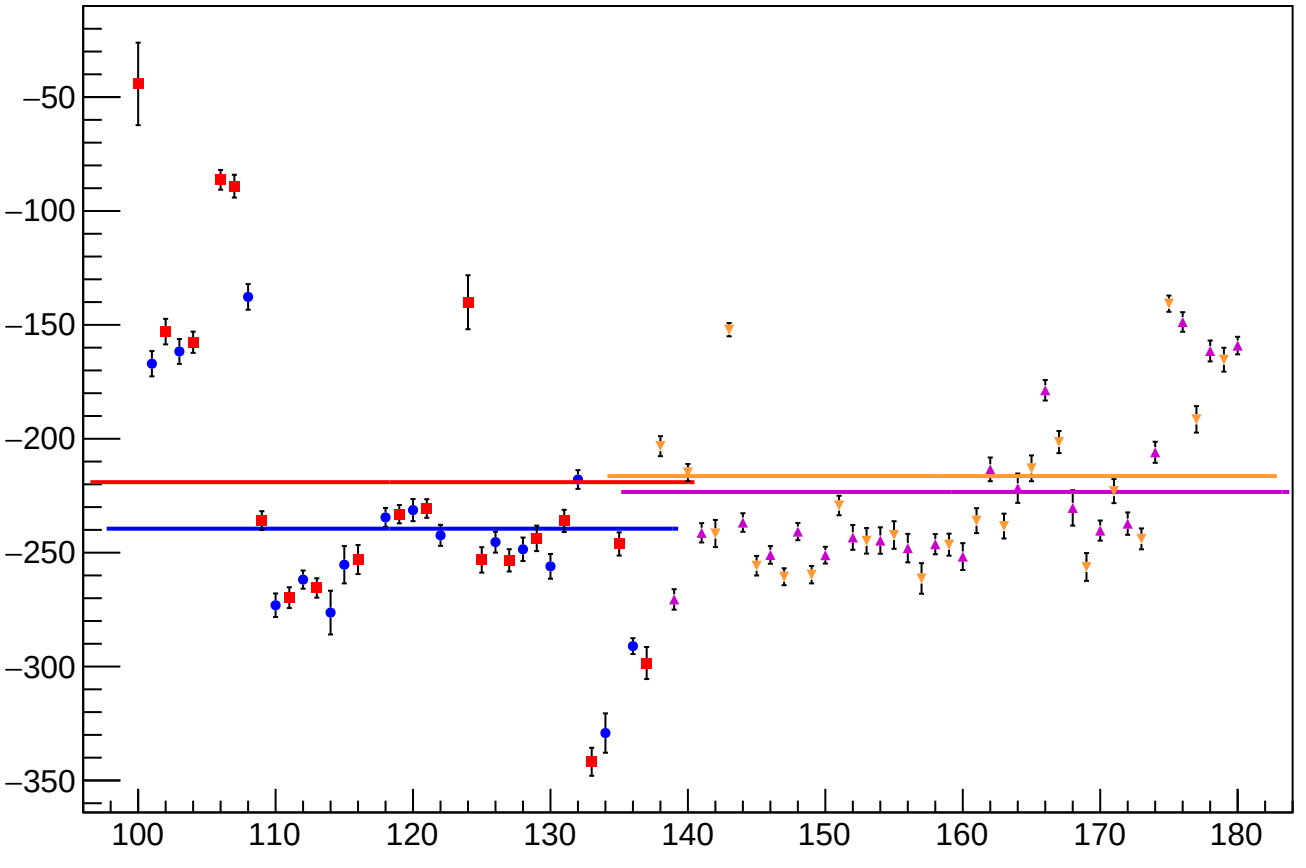
Left: 0.750+/-0.509 χ^2/NDF: 789.6/42

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 4.079+/-0.618 χ^2/NDF:677.6/36

Out: 1.110+/-0.584 χ^2/NDF:678.0/40

All: 2.512+/-0.424 χ^2/NDF: 1367.9/77



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -223.356+/-1.011 χ^2/NDF:1260.3/20

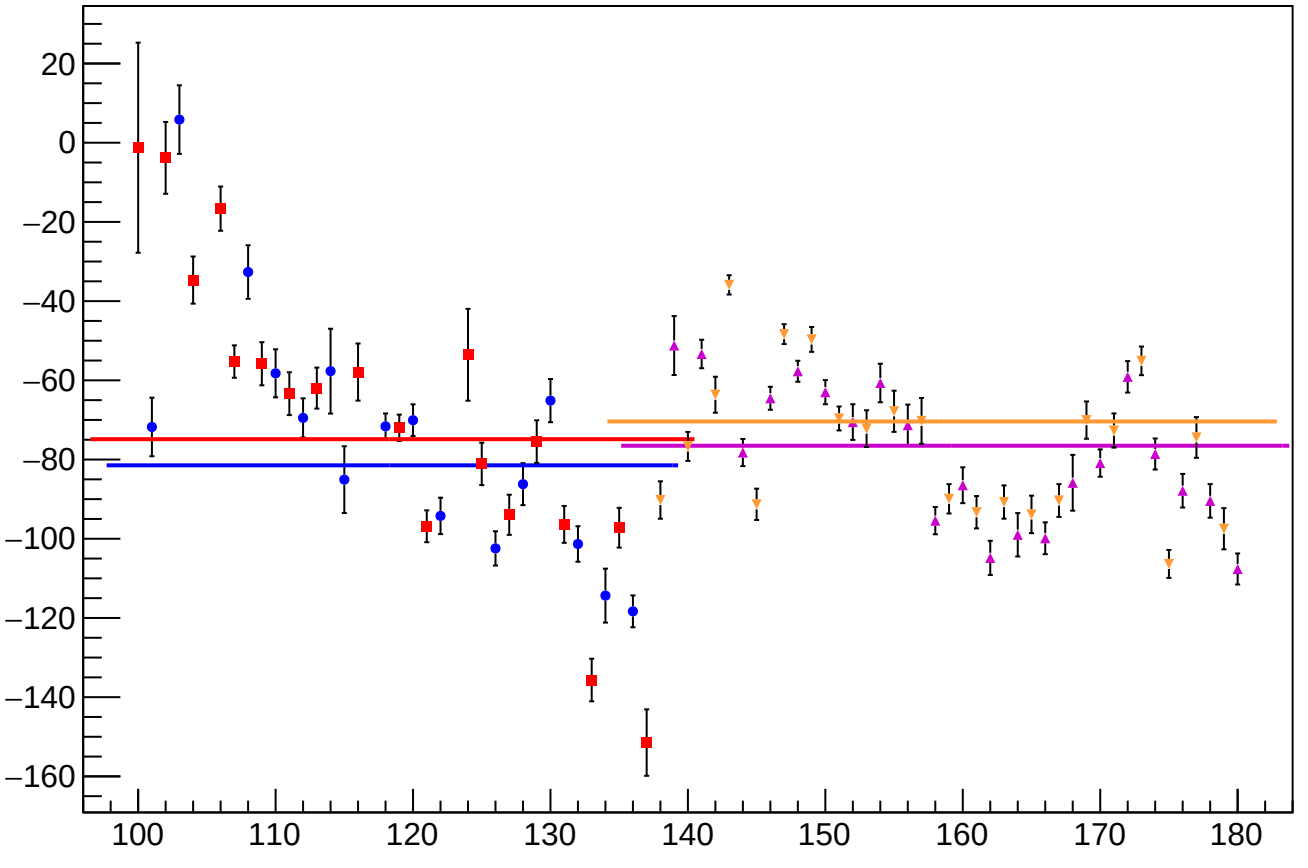
Left: -219.771+/-0.704 χ^2/NDF: 2967.4/42

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -229.754+/-0.785 χ^2/NDF:2523.5/36

Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -223.372+/-0.544 χ^2/NDF: 7385.6/77



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

Left: -73.301+/-0.590 χ^2/NDF: 1065.3/42

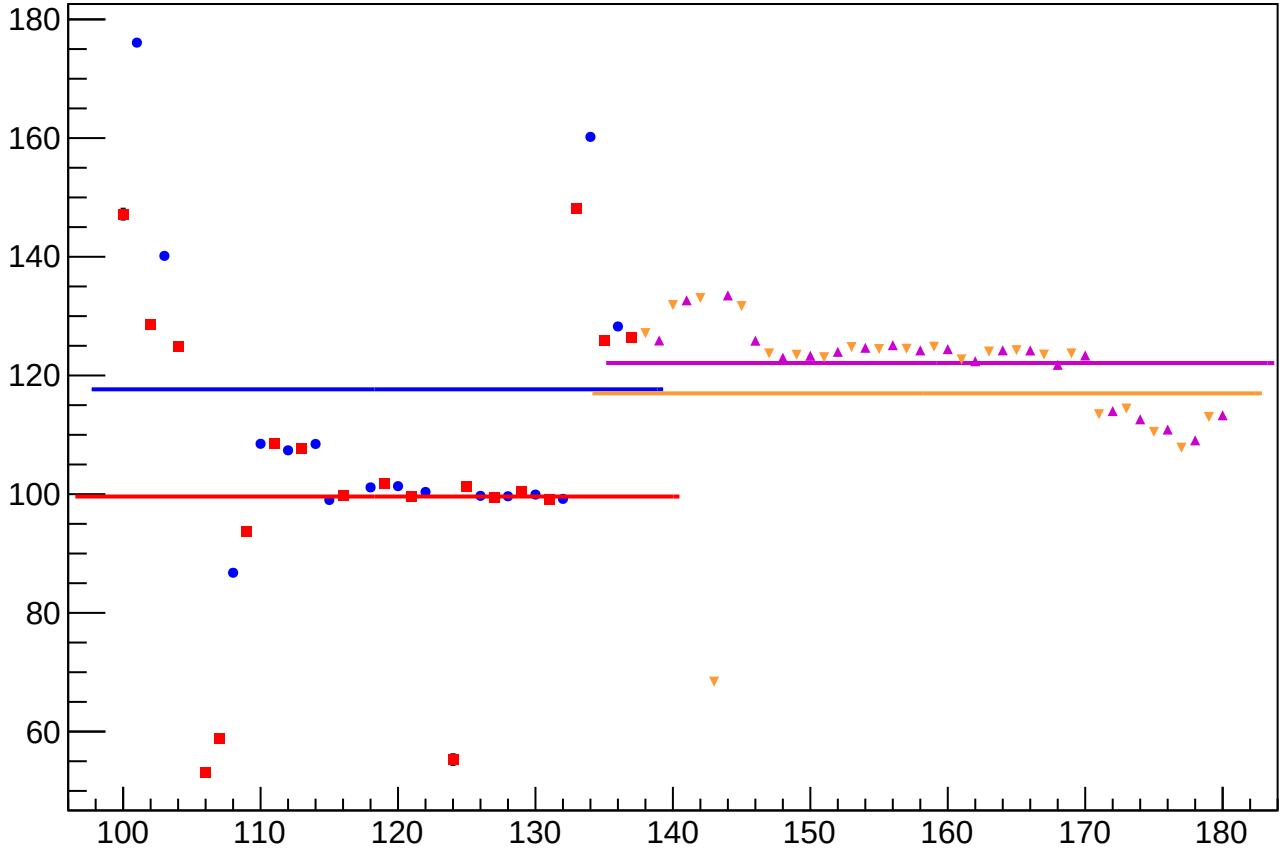
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -78.028+/-0.712 χ^2/NDF:762.9/36

Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.103+/-0.039 χ^2/NDF:25737.6/20

Left: 119.499+/-0.027 χ^2/NDF: 237784.0/42

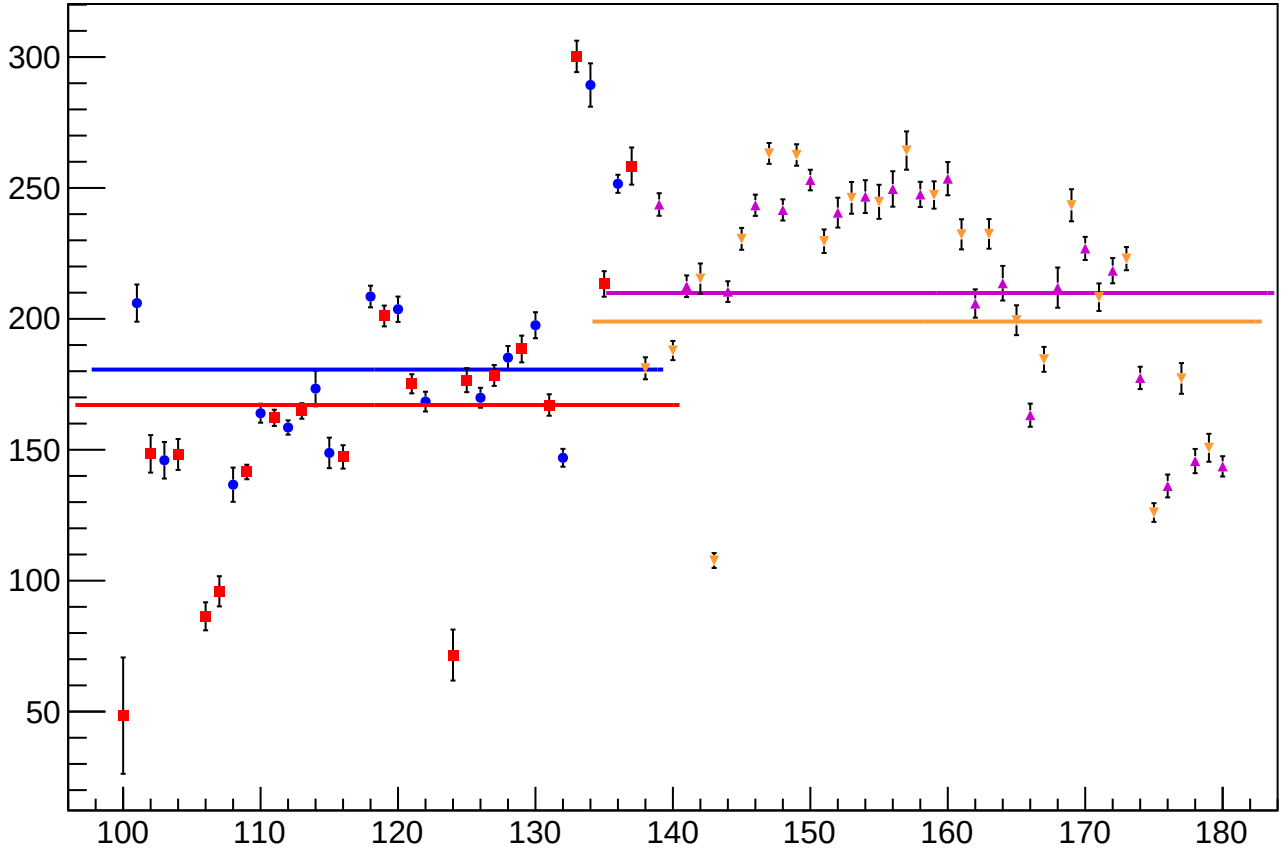
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.217+/-0.035 χ^2/NDF:123707.8/36

Out: 112.993+/-0.034 χ^2/NDF:416654.8/40

All: 116.952+/-0.024 χ^2/NDF: 569032.8/77

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

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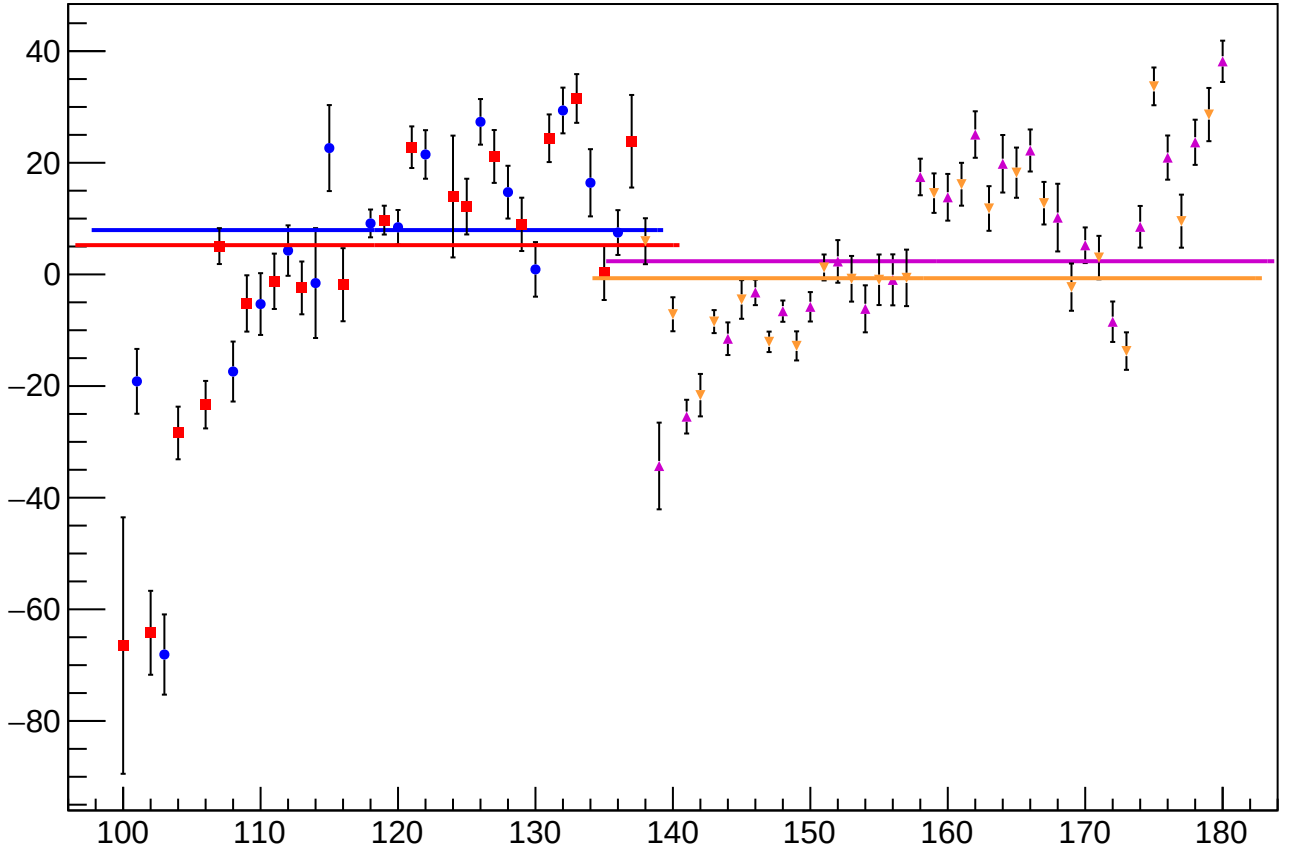
In: 196.126+/-0.747 χ^2/NDF:2851.4/36

Out: 183.467+/-0.712 χ^2/NDF:4605.0/40

All: 189.491+/-0.515 χ^2/NDF: 7606.8/77

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

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Left In: 2.362+/-0.742 χ^2/NDF:427.3/20

Left: 0.750+/-0.509 χ^2/NDF: 789.6/42

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 4.079+/-0.618 χ^2/NDF:677.6/36

Out: 1.110+/-0.584 χ^2/NDF:678.0/40

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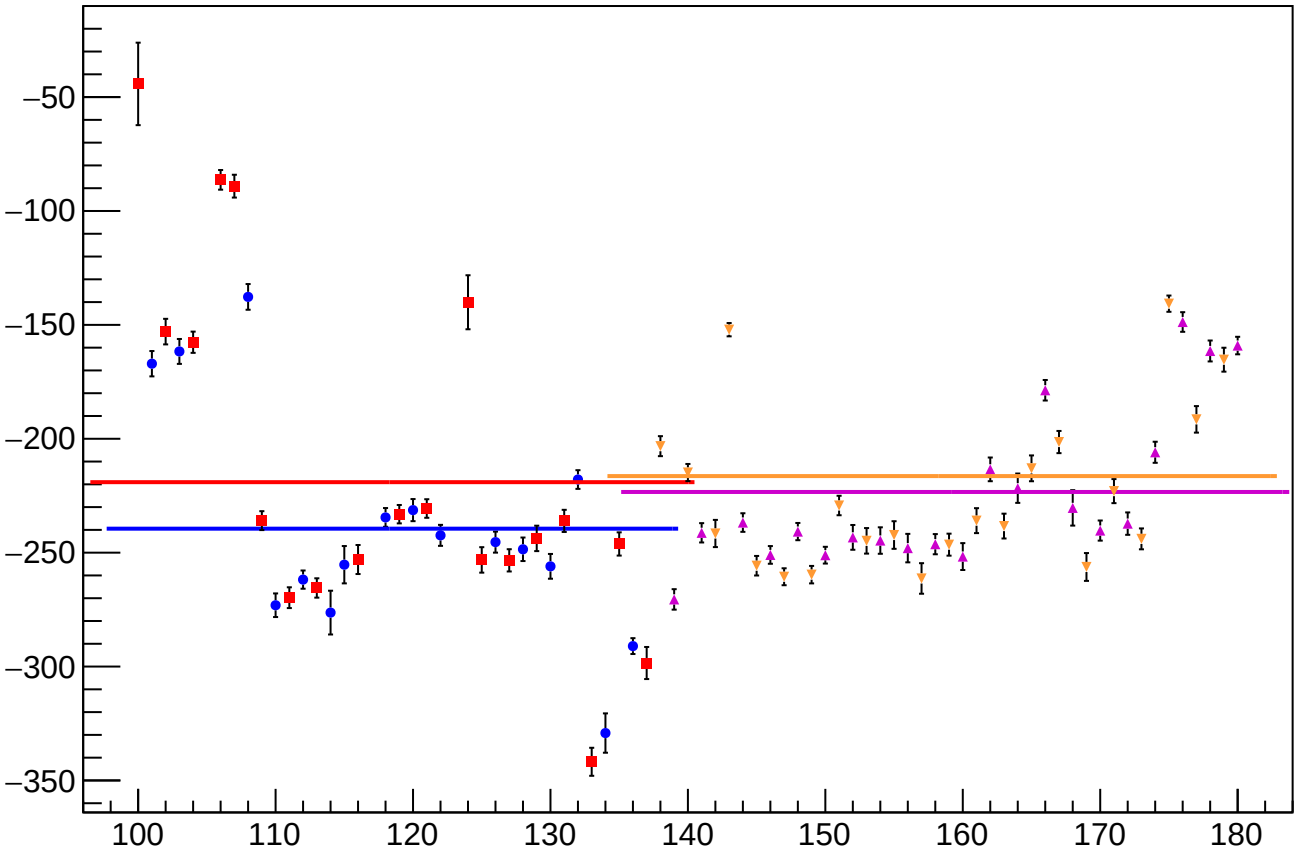

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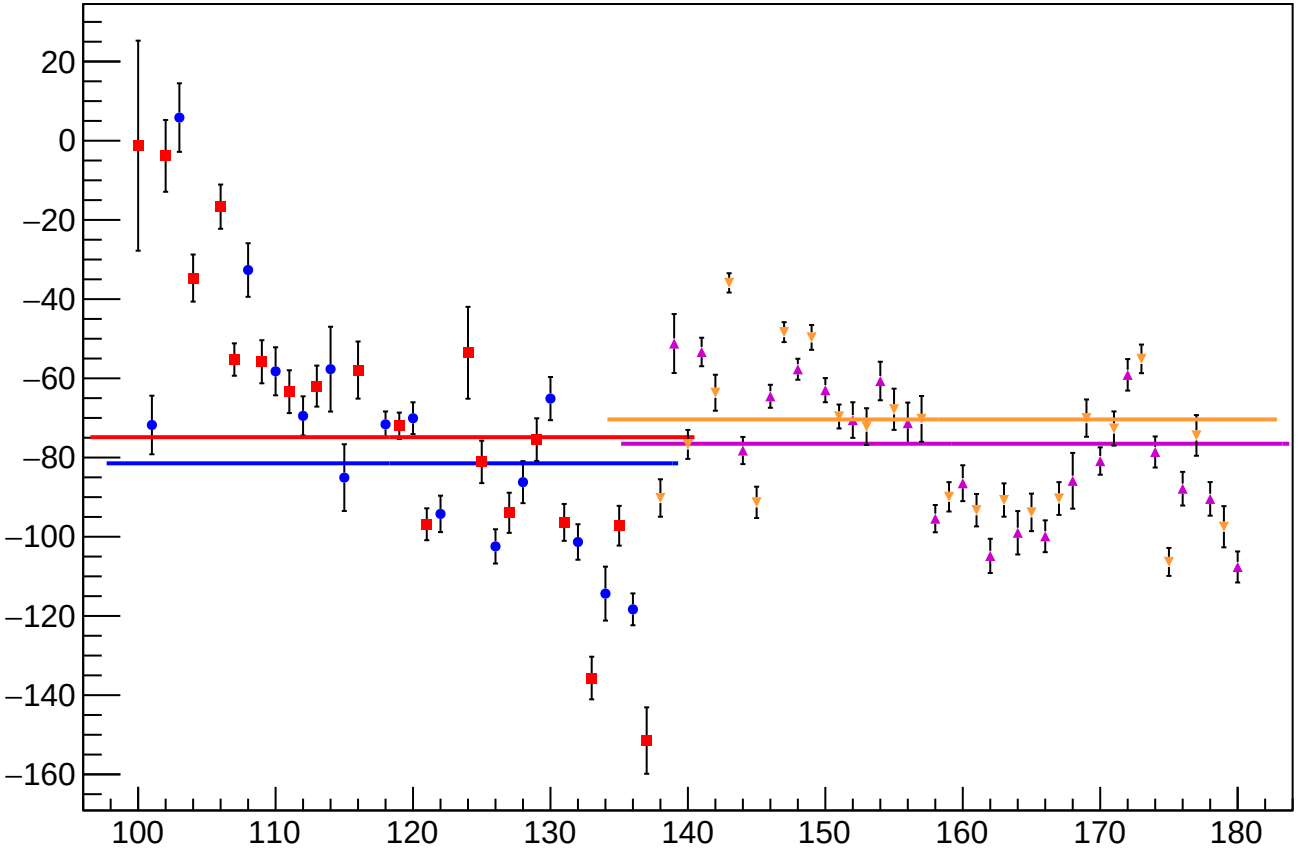
Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -223.372+/-0.544 χ^2/NDF: 7385.6/77

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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Left In: -76.512+/-0.855 χ^2/NDF:386.2/20

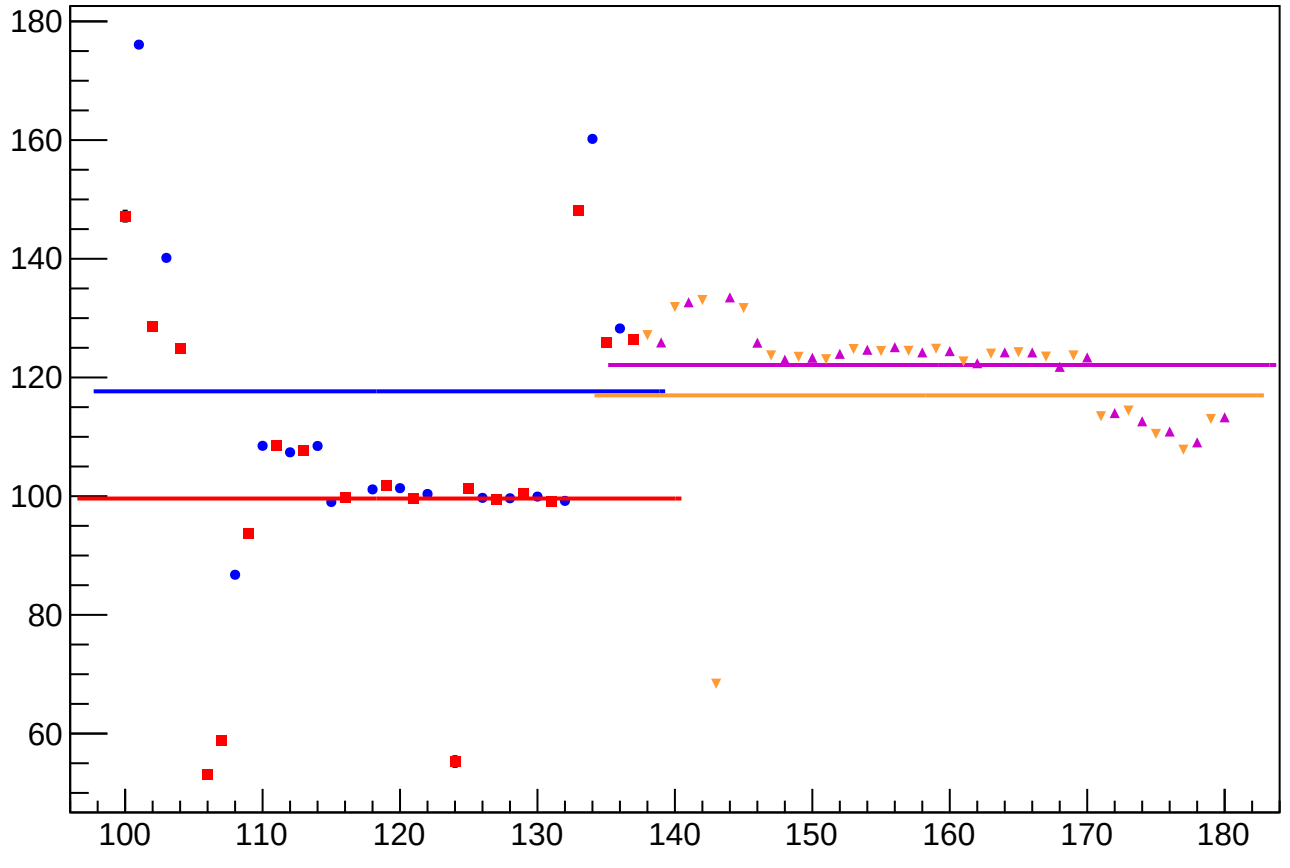
Left: -73.301+/-0.590 χ^2/NDF: 1065.3/42

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -78.028+/-0.712 χ^2/NDF:762.9/36

Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.741+/-0.492 χ^2/NDF: 2041.6/77



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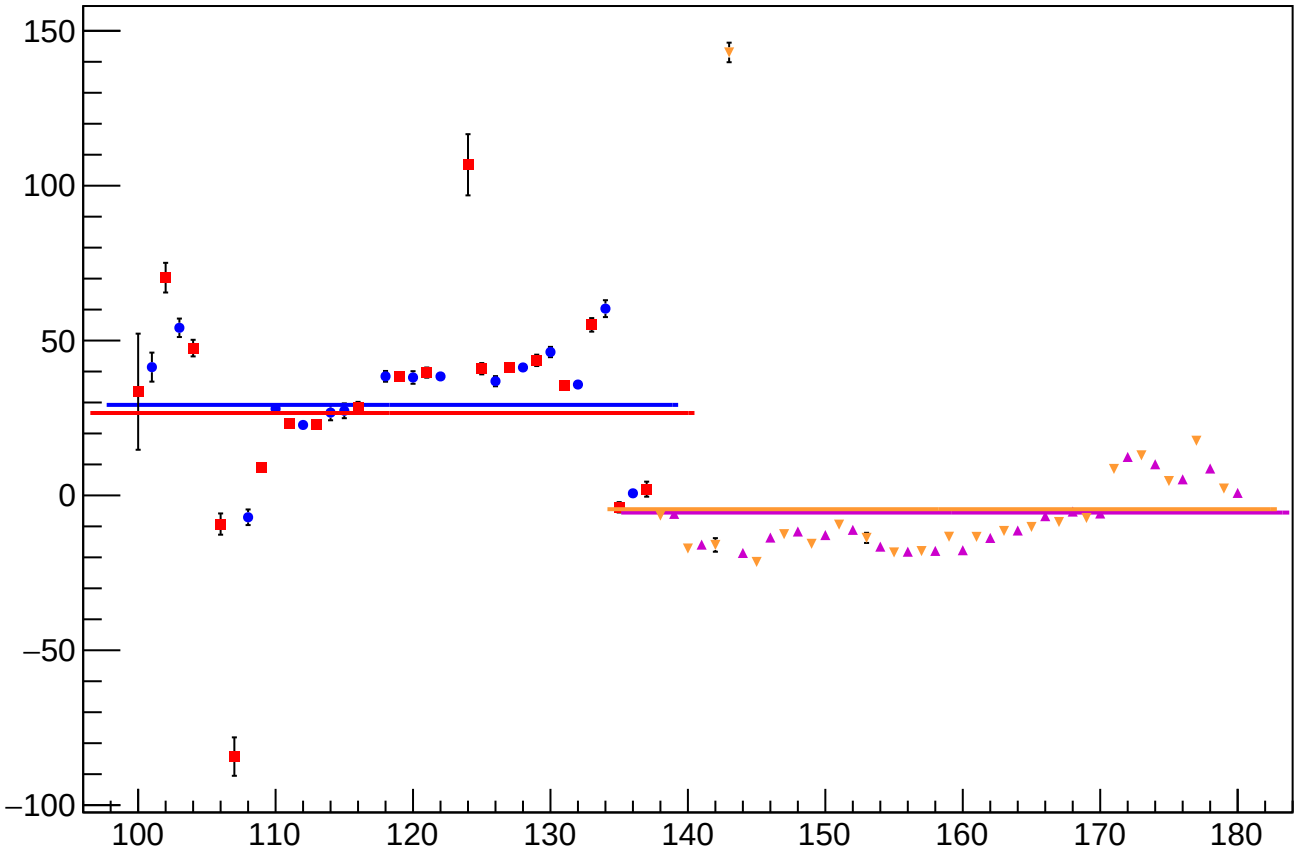
All: 116.952+/-0.024 χ^2/NDF: 569032.8/77



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Left: -5.015+/-0.206 χ^2/NDF: 4764.3/42

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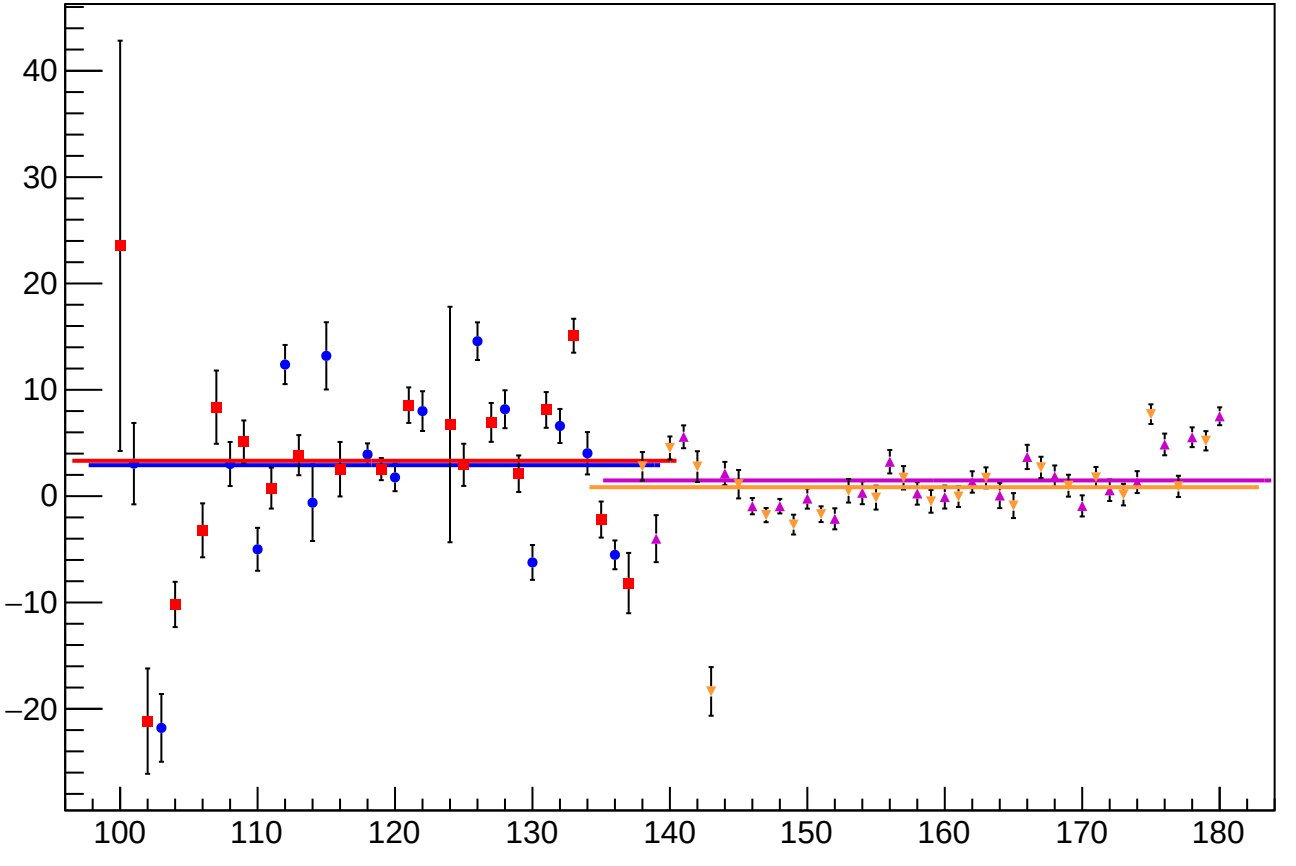
In: 5.358+/-0.238 χ^2/NDF:7149.5/36

Out: 6.074+/-0.241 χ^2/NDF:9202.0/40

All: 5.711+/-0.169 χ^2/NDF: 16356.0/77

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

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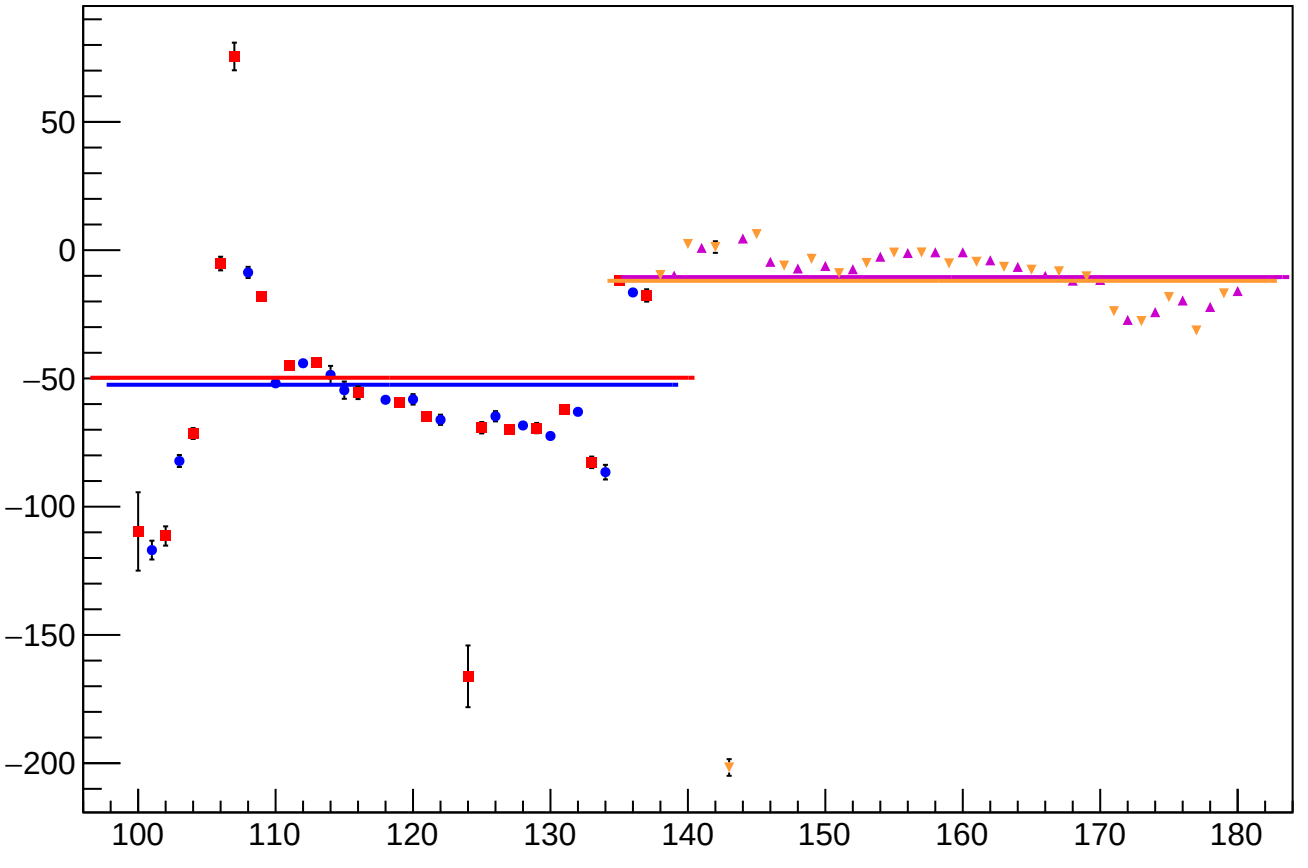
Out: 1.303+/-0.195 χ^2/NDF:423.9/40

All: 1.530+/-0.138 χ^2/NDF: 846.1/77



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Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

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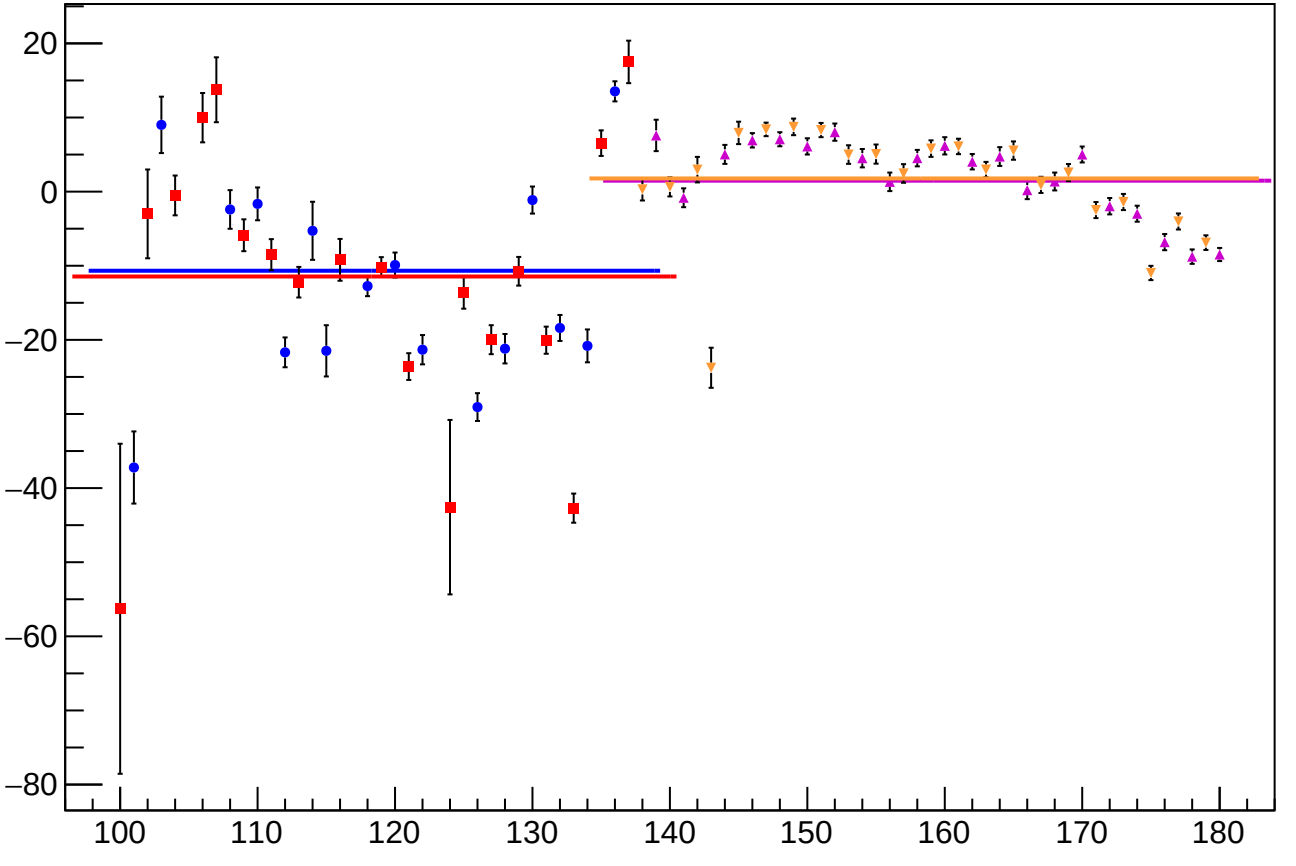
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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Left: 1.628+/-0.174 χ^2/NDF: 1116.3/42

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Out: -0.678+/-0.222 χ^2/NDF:1806.4/40

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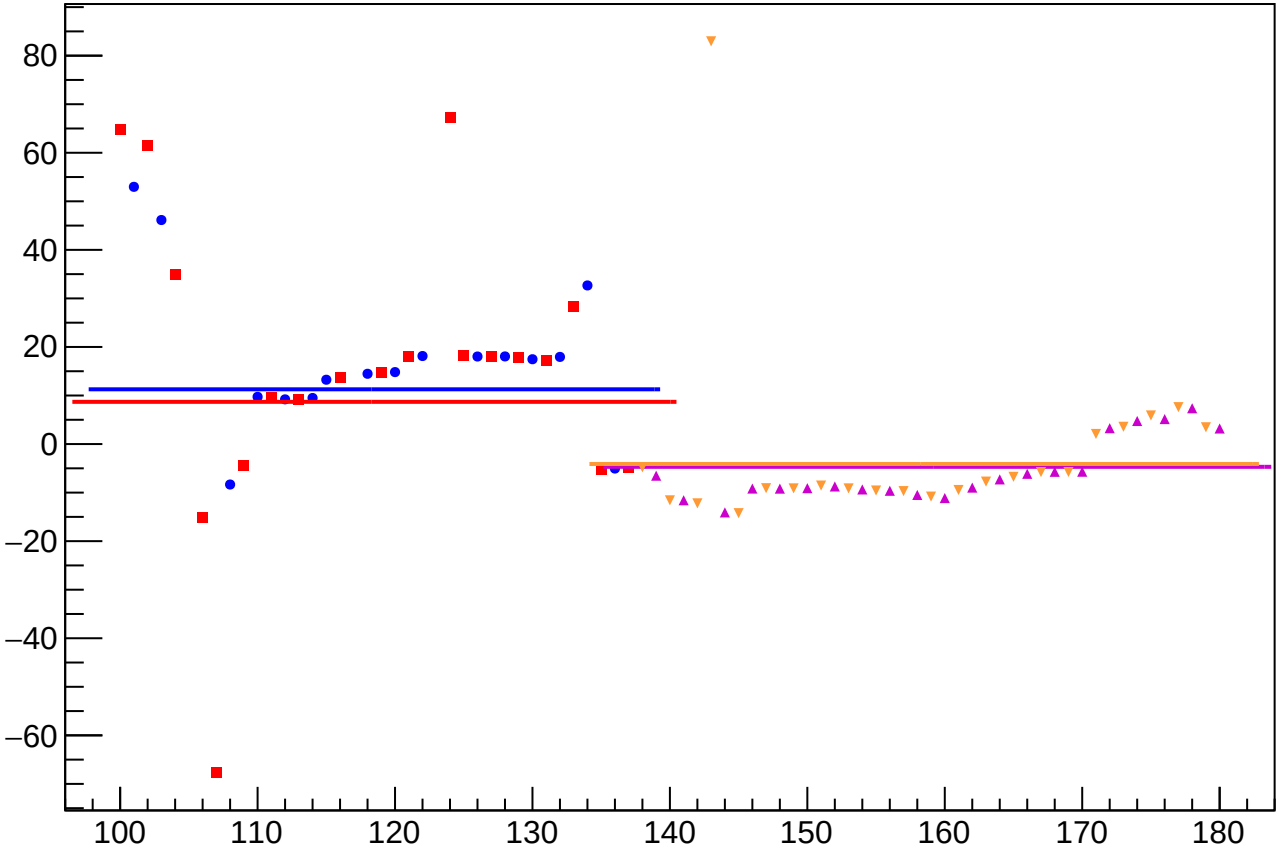
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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In: -2.843+/-0.010 χ^2/NDF:948076.2/36

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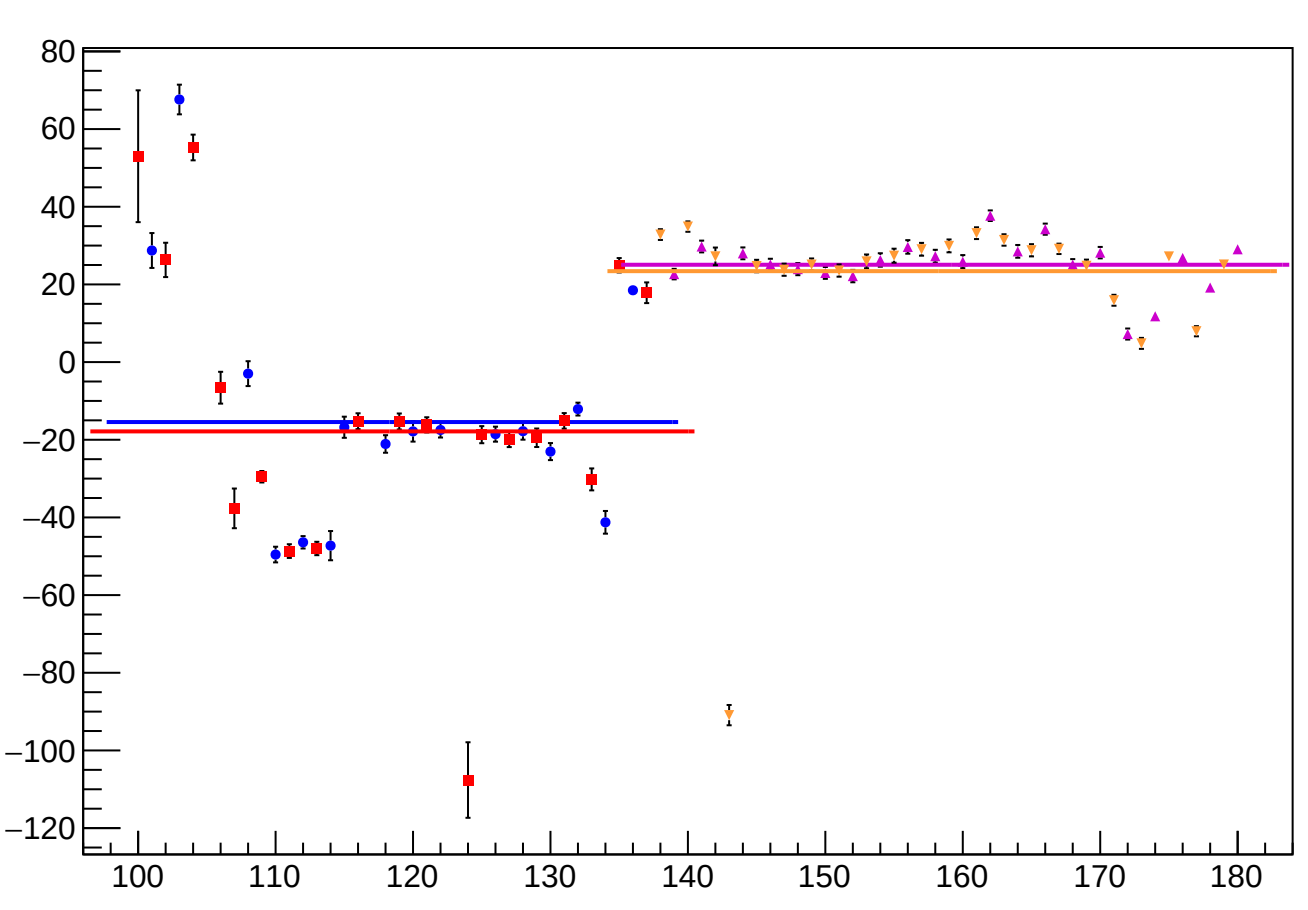
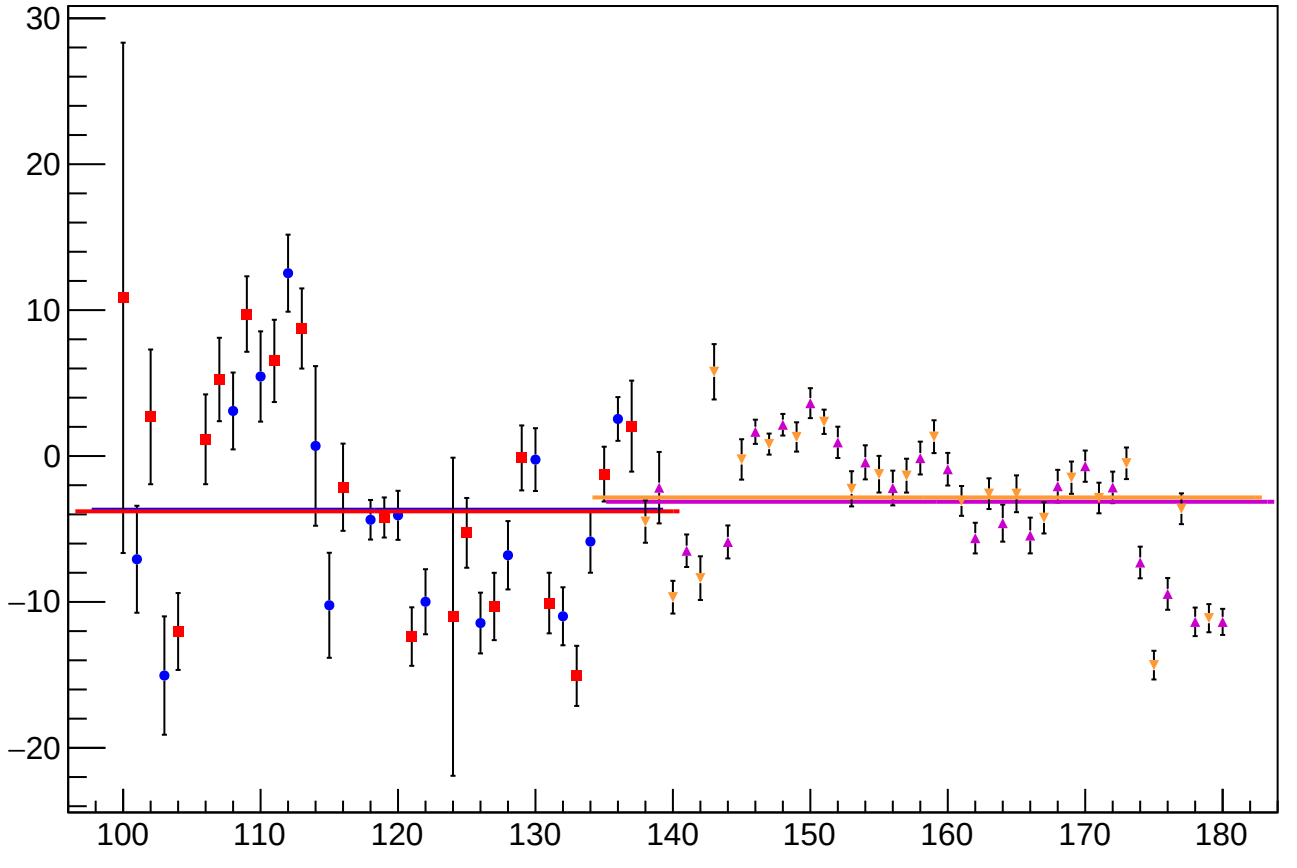

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 23.414+/-0.316 χ²/NDF:2531.7/21
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.063+/-0.306 χ²/NDF:489.2/20
Left: 24.265+/-0.220 χ²/NDF: 3035.0/42
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 15.179+/-0.266 χ²/NDF:6881.1/36
Out: 12.576+/-0.271 χ²/NDF:9132.1/40
All: 13.902+/-0.190 χ²/NDF: 16060.1/77



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -3.134+/-0.232 χ^2/NDF:395.6/20

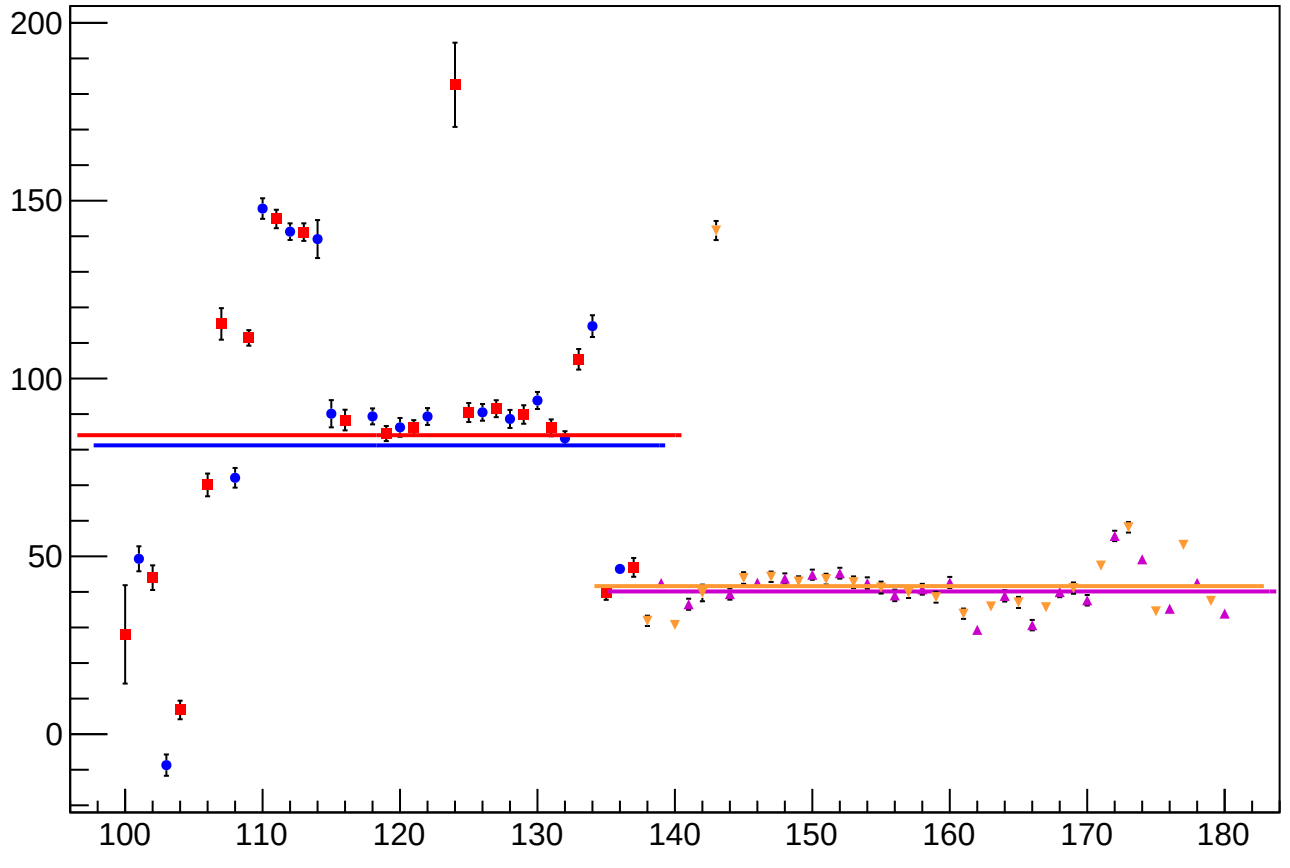
Left: -2.986+/-0.164 χ^2/NDF: 790.3/42

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.216+/-0.214 χ^2/NDF:520.4/36

Out: -2.975+/-0.214 χ^2/NDF:557.6/40

All: -3.096+/-0.151 χ^2/NDF: 1078.6/77



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.124+/-0.302 χ^2/NDF:387.2/20

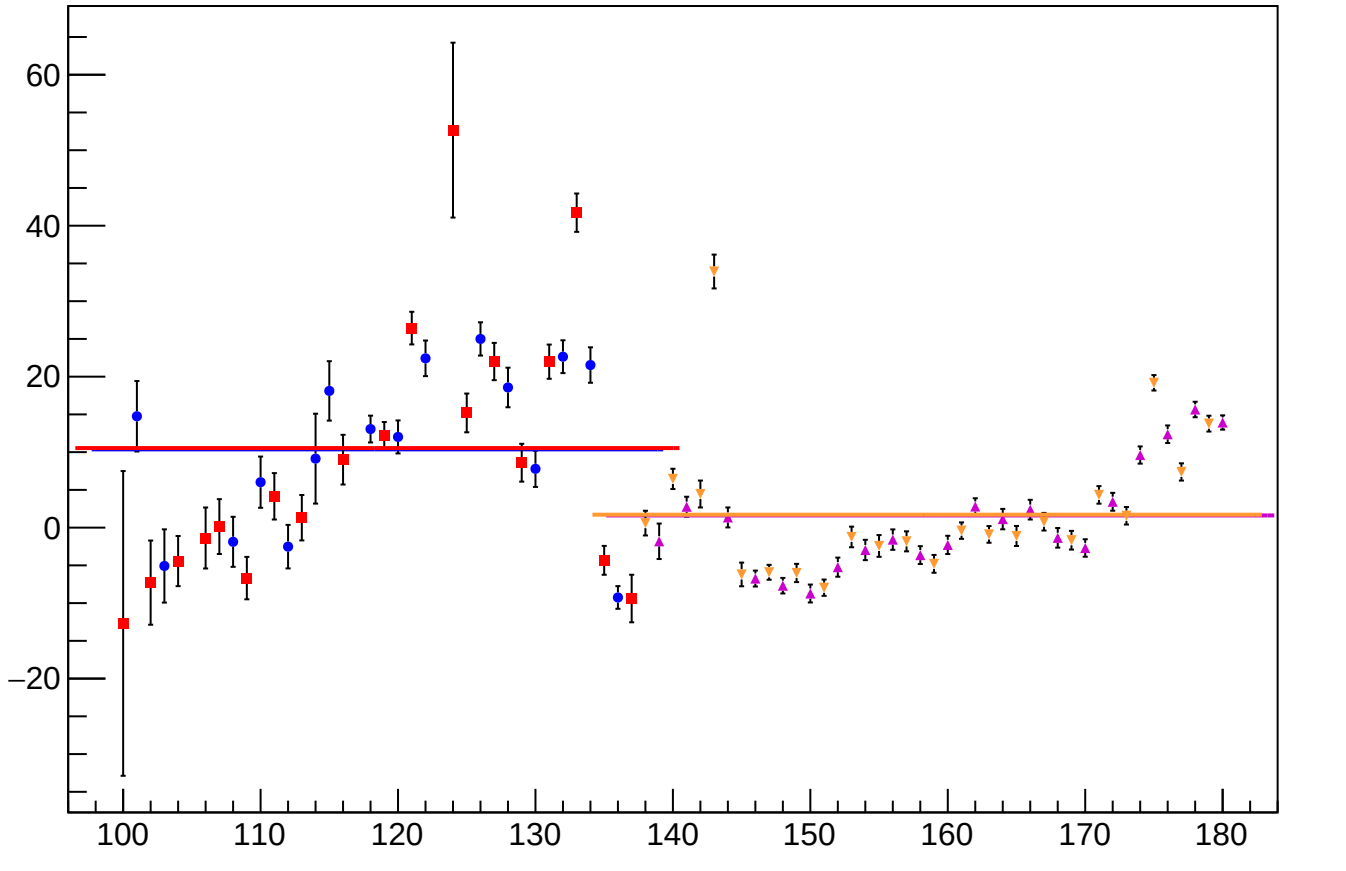
Left: 40.854+/-0.217 χ^2/NDF: 2264.7/42

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 48.270+/-0.270 χ^2/NDF:7288.7/36

Out: 50.237+/-0.278 χ^2/NDF:8851.7/40

All: 49.228+/-0.194 χ^2/NDF: 16166.2/77



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.714+/-0.263 χ^2/NDF:953.5/21

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.614+/-0.262 χ^2/NDF:814.6/20

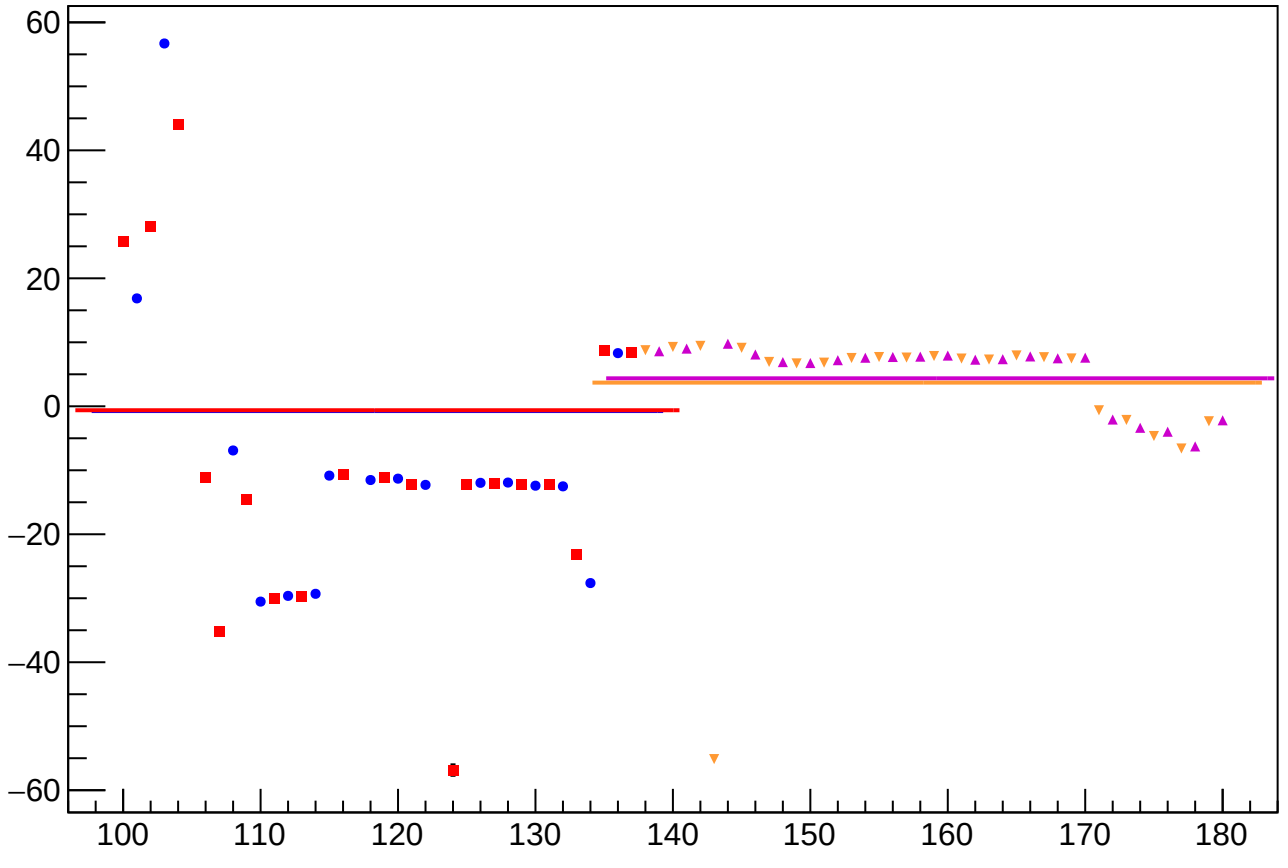
Left: 1.663+/-0.186 χ^2/NDF: 1768.2/42

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.914+/-0.241 χ^2/NDF:1340.6/36

Out: 2.989+/-0.243 χ^2/NDF:1586.8/40

All: 2.951+/-0.171 χ^2/NDF: 2927.4/77



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.370+/-0.012 χ^2/NDF:205712.3/20

Left: 4.042+/-0.008 χ^2/NDF: 683958.6/42

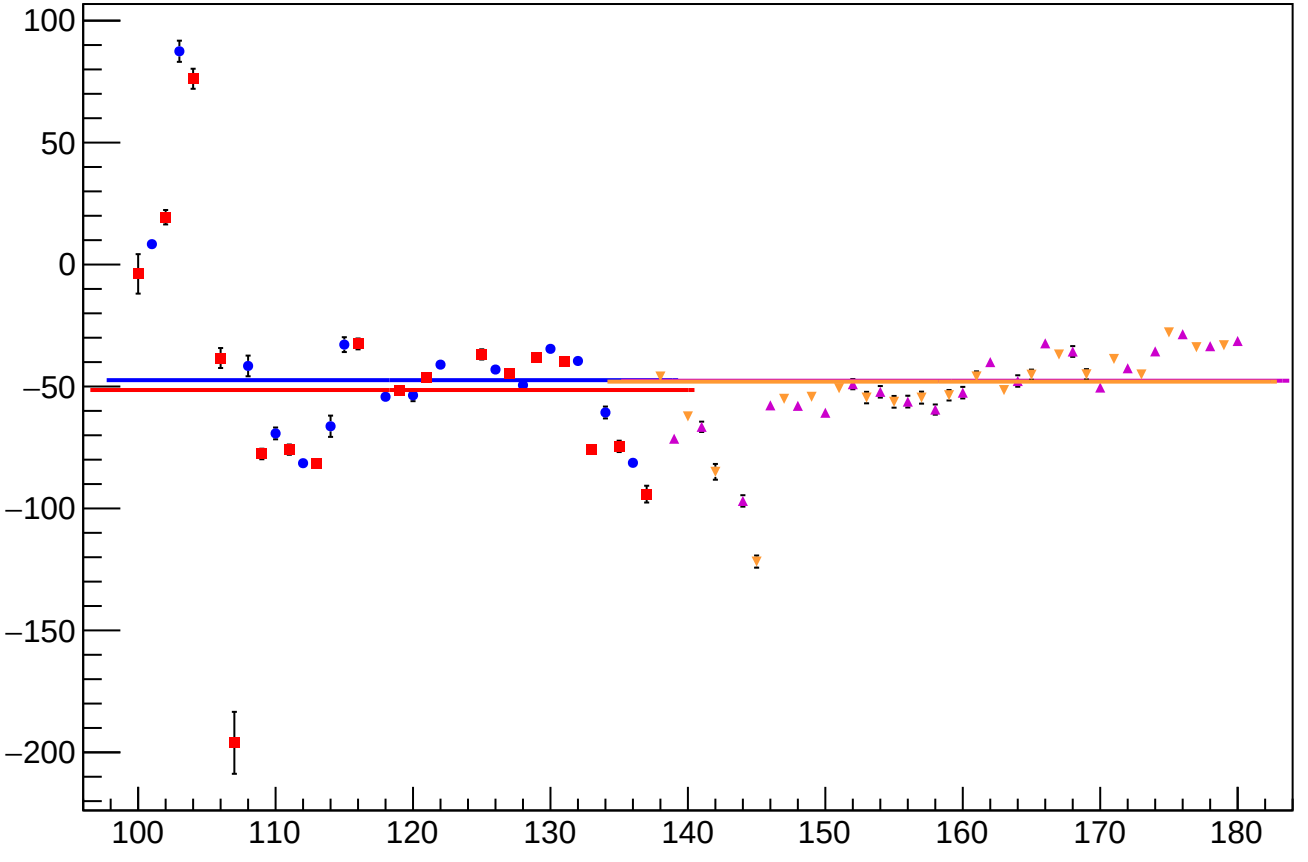
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.887+/-0.011 χ^2/NDF:592109.9/36

Out: 3.305+/-0.011 χ^2/NDF:805255.1/40

All: 3.603+/-0.008 χ^2/NDF: 1398727.0/77

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -48.004+/-0.429 χ^2/NDF:1554.9/20

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -47.628+/-0.413 χ^2/NDF:1411.0/20

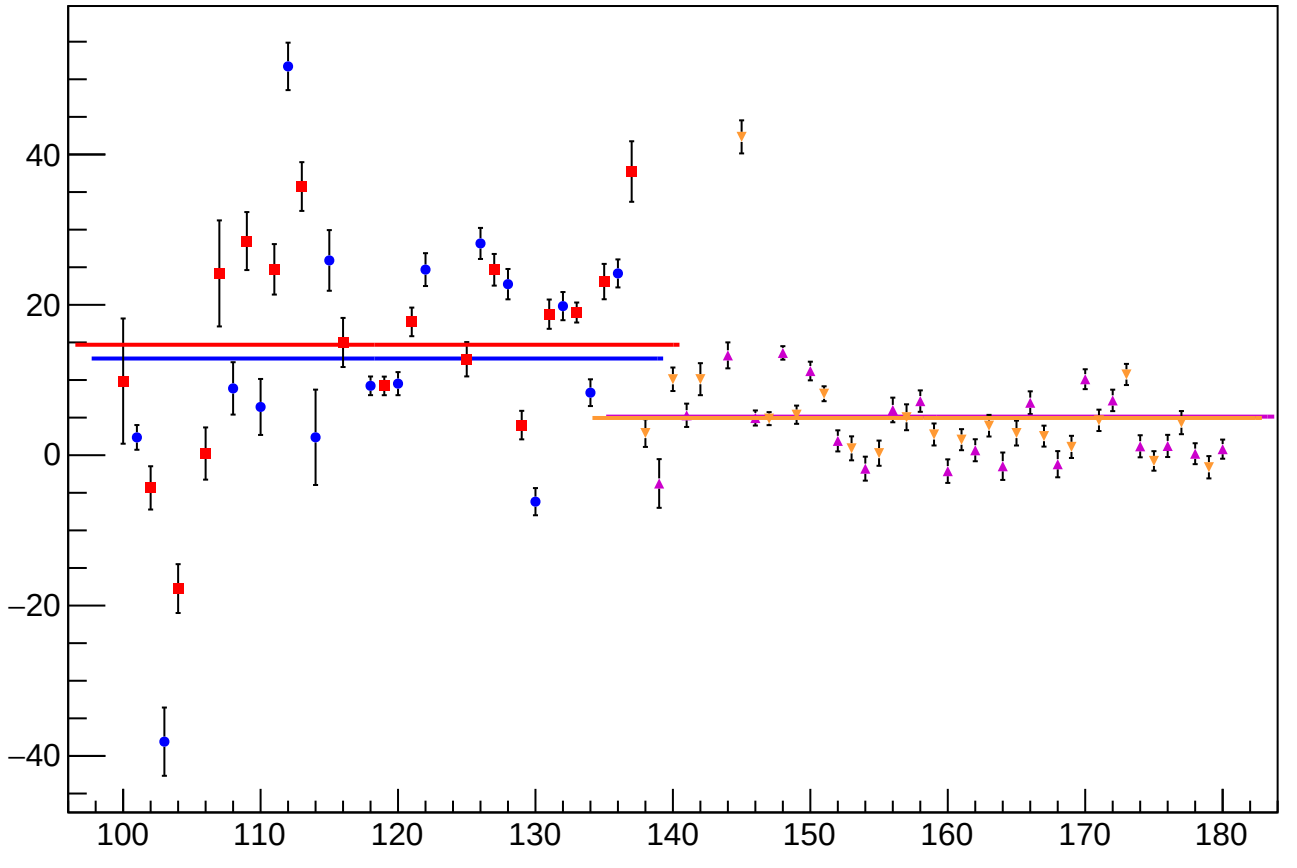
Left: -47.809+/-0.298 χ^2/NDF: 2966.3/41

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -47.542+/-0.327 χ^2/NDF:4180.2/36

Out: -49.319+/-0.337 χ^2/NDF:4452.2/38

All: -48.404+/-0.235 χ^2/NDF: 8646.7/75



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.952+/-0.308 χ^2/NDF:406.1/20

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.132+/-0.308 χ^2/NDF:283.0/20

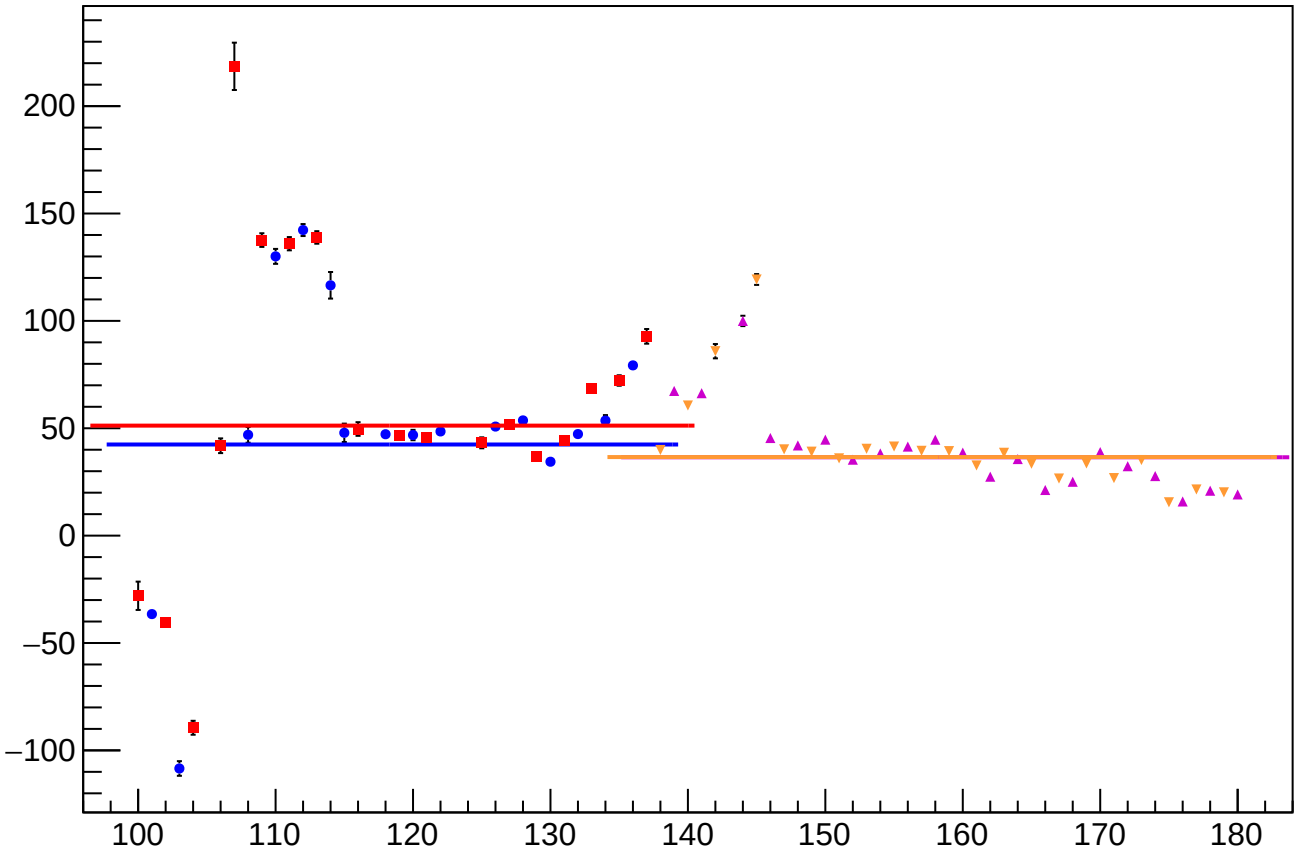
Left: 5.042+/-0.218 χ^2/NDF: 689.3/41

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.144+/-0.265 χ^2/NDF:1072.7/36

Out: 7.318+/-0.268 χ^2/NDF:1012.6/38

All: 7.230+/-0.188 χ^2/NDF: 2085.5/75



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 36.582+/-0.421 χ^2/NDF:1944.2/20

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 36.491+/-0.407 χ^2/NDF:1822.7/20

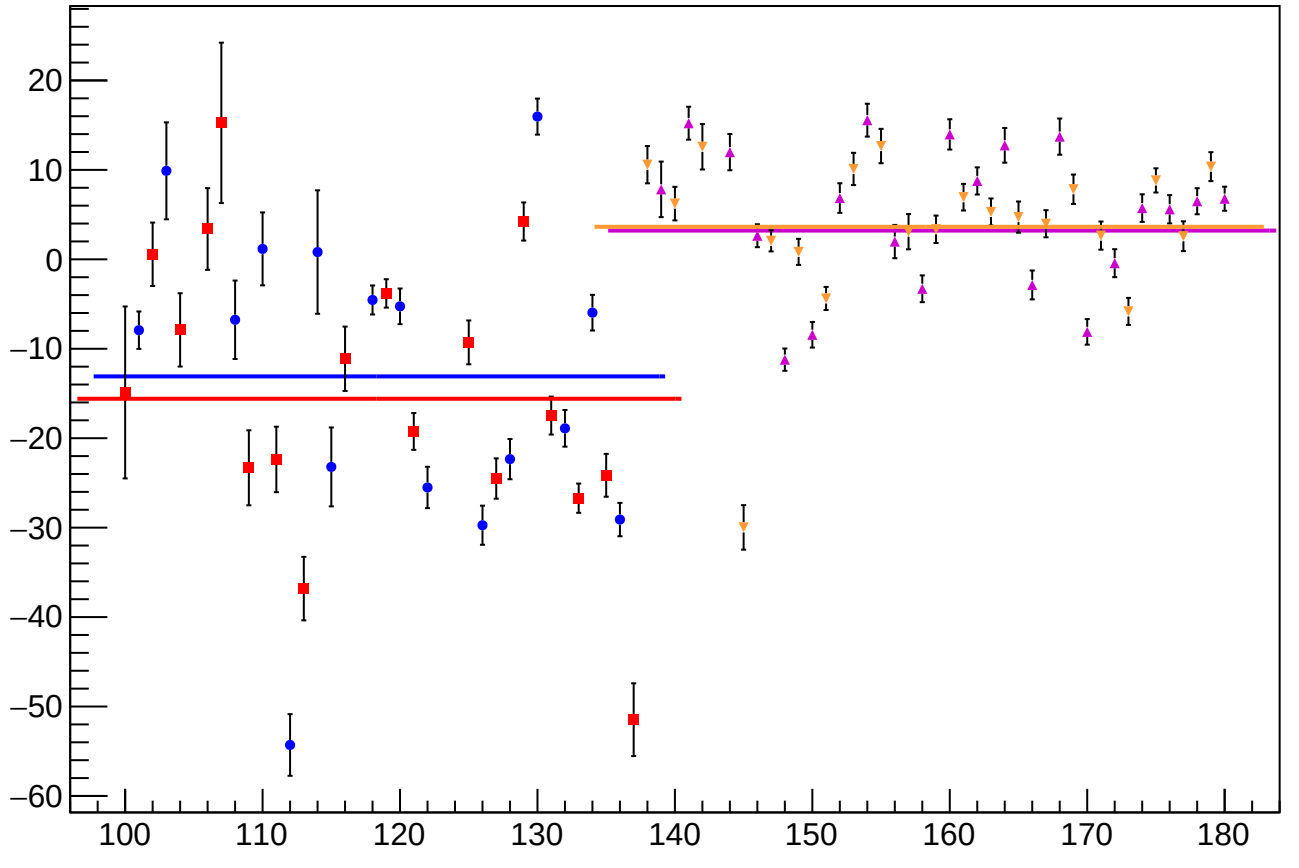
Left: 36.535+/-0.293 χ^2/NDF: 3766.9/41

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 38.432+/-0.334 χ^2/NDF:9061.3/36

Out: 41.261+/-0.347 χ^2/NDF:8941.6/38

All: 39.789+/-0.241 χ^2/NDF: 18037.4/75



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.637+/-0.353 χ^2/NDF:371.7/20

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.214+/-0.349 χ^2/NDF:536.9/20

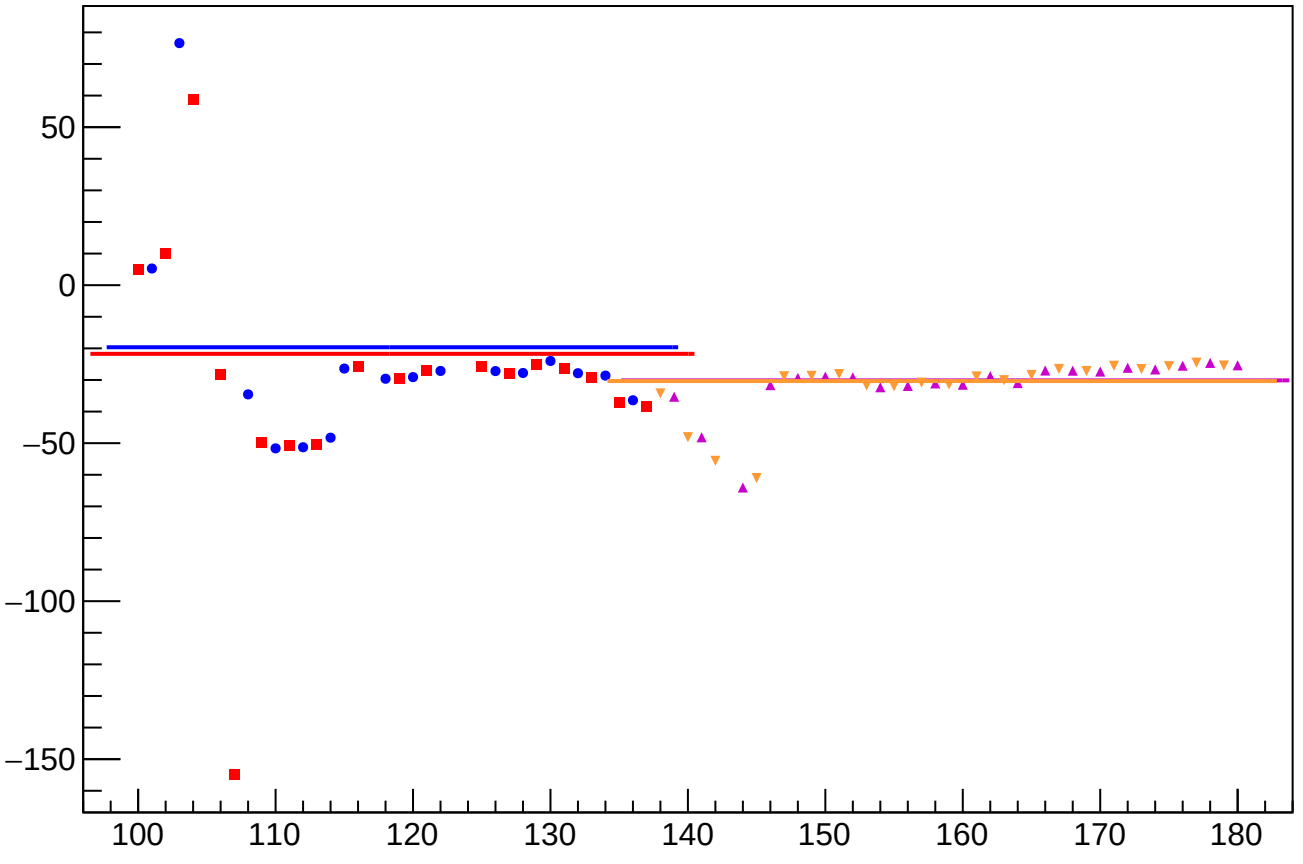
Left: 3.423+/-0.248 χ^2/NDF: 909.4/41

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -0.917+/-0.302 χ^2/NDF:1728.7/36

Out: -0.990+/-0.308 χ^2/NDF:1487.9/38

All: -0.953+/-0.215 χ^2/NDF: 3216.6/75



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.343+/-0.016 χ^2/NDF:210962.3/20

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -30.127+/-0.016 χ^2/NDF:177714.7/20

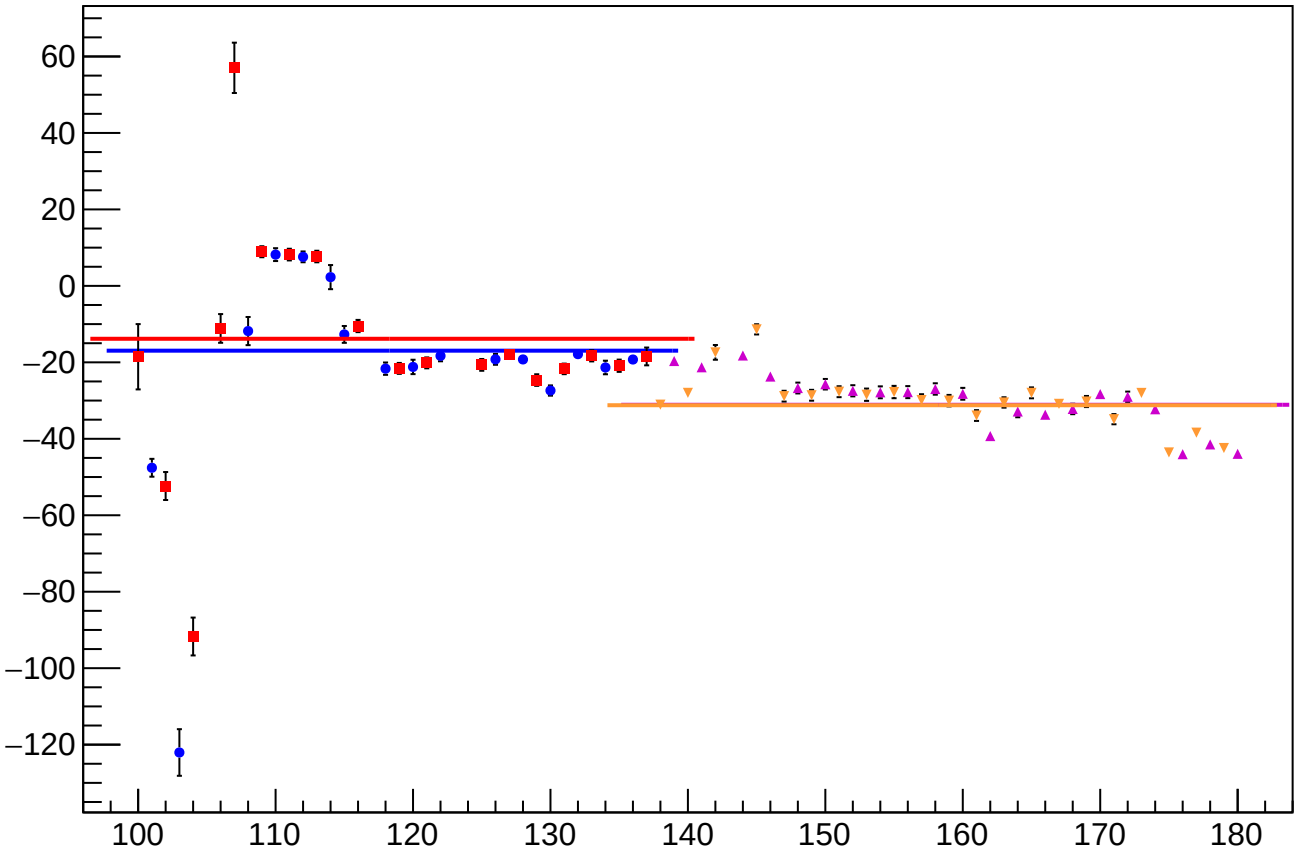
Left: -30.232+/-0.011 χ^2/NDF: 388770.6/41

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.477+/-0.014 χ^2/NDF:895645.6/36

Out: -29.088+/-0.015 χ^2/NDF:799528.9/38

All: -28.771+/-0.010 χ^2/NDF: 1696050.5/75



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -31.218+/-0.293 χ^2/NDF:616.7/20

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -31.103+/-0.283 χ^2/NDF:797.8/20

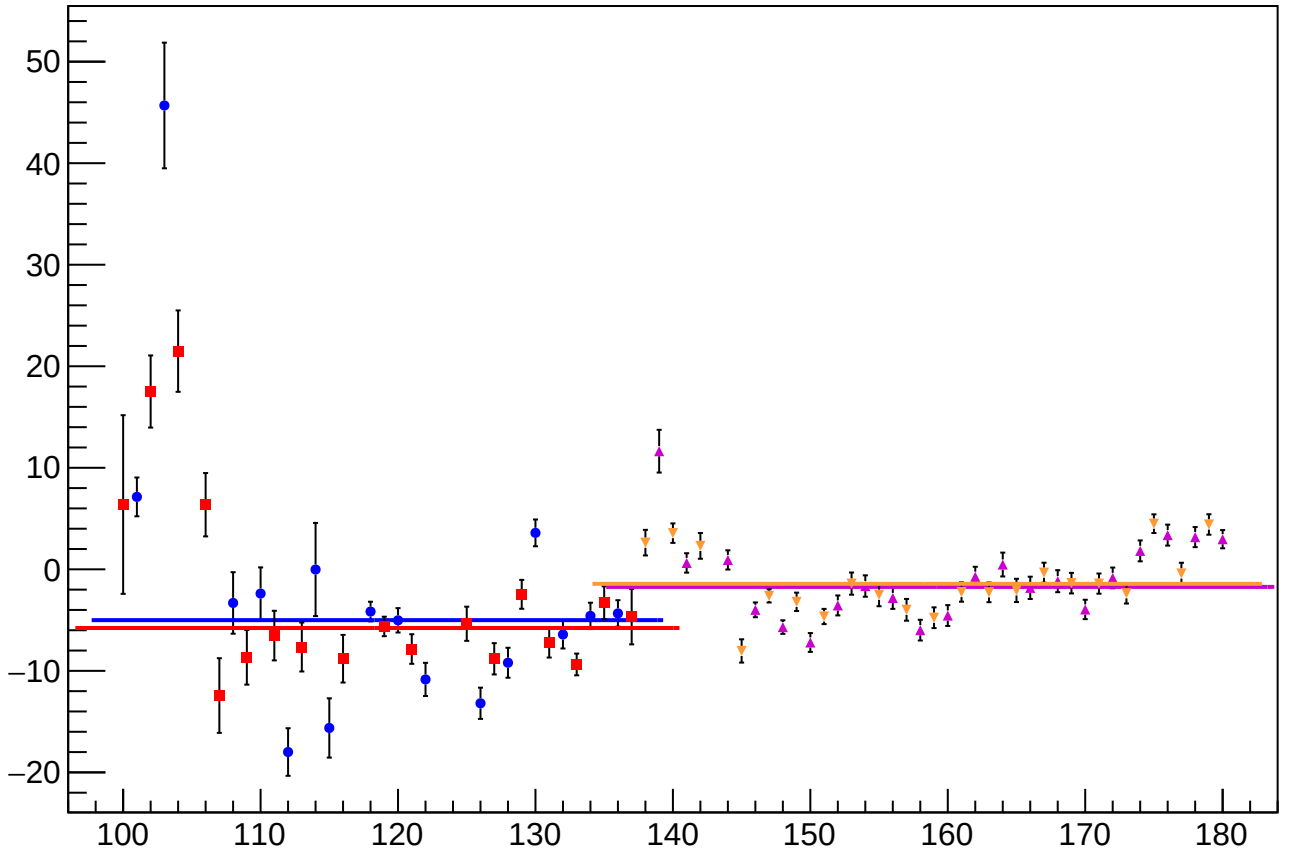
Left: -31.158+/-0.203 χ^2/NDF: 1414.5/41

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -26.443+/-0.232 χ^2/NDF:2749.8/36

Out: -25.332+/-0.238 χ^2/NDF:3143.1/38

All: -25.903+/-0.166 χ^2/NDF: 5904.1/75



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.427+/-0.214 χ^2/NDF:202.3/20

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -1.731+/-0.213 χ^2/NDF:262.3/20

Left: -1.580+/-0.151 χ^2/NDF: 465.6/41

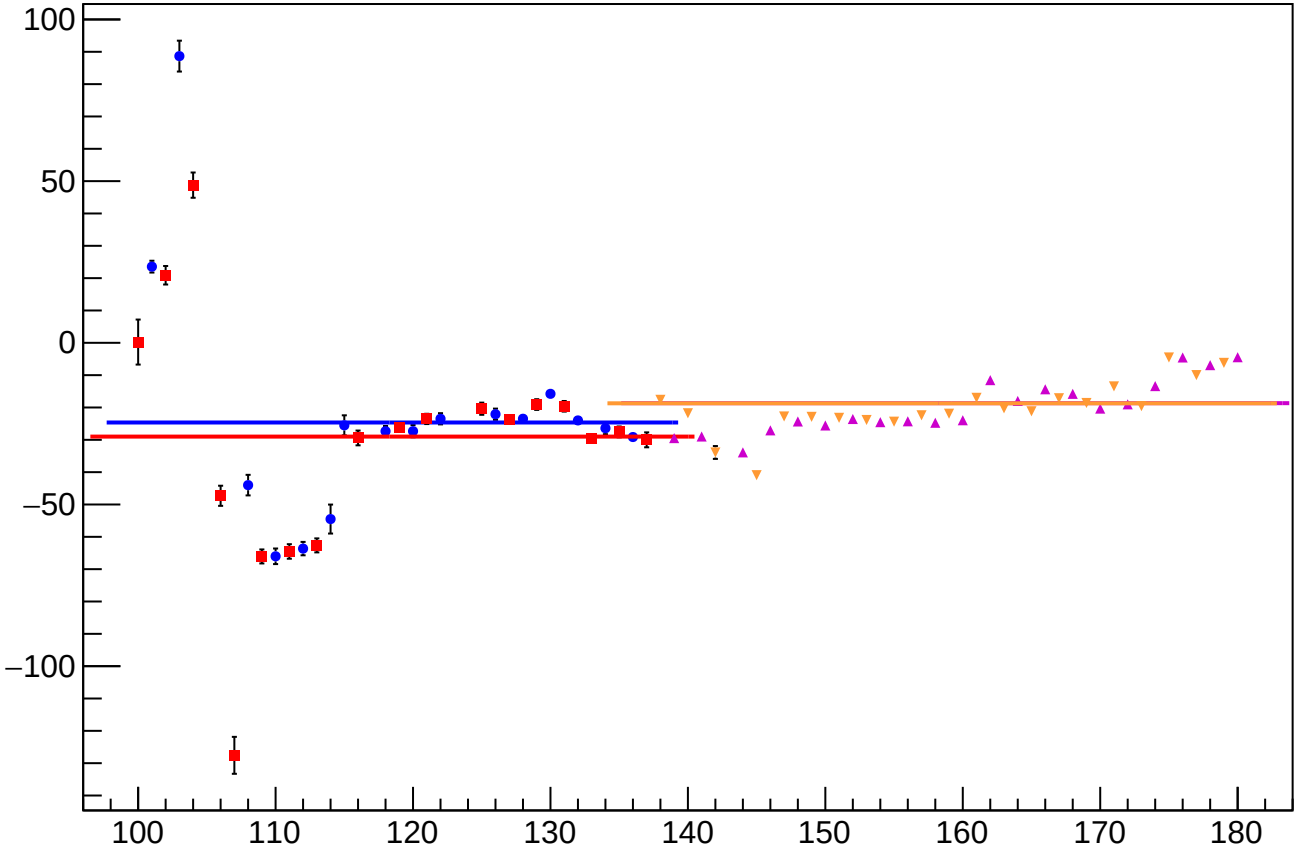
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.450+/-0.188 χ^2/NDF:562.0/36

Out: -2.324+/-0.190 χ^2/NDF:427.1/38

All: -2.388+/-0.134 χ^2/NDF: 989.3/75

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: -18.707+/-0.288 χ^2/NDF:813.5/20

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -18.664+/-0.279 χ^2/NDF:1016.3/20

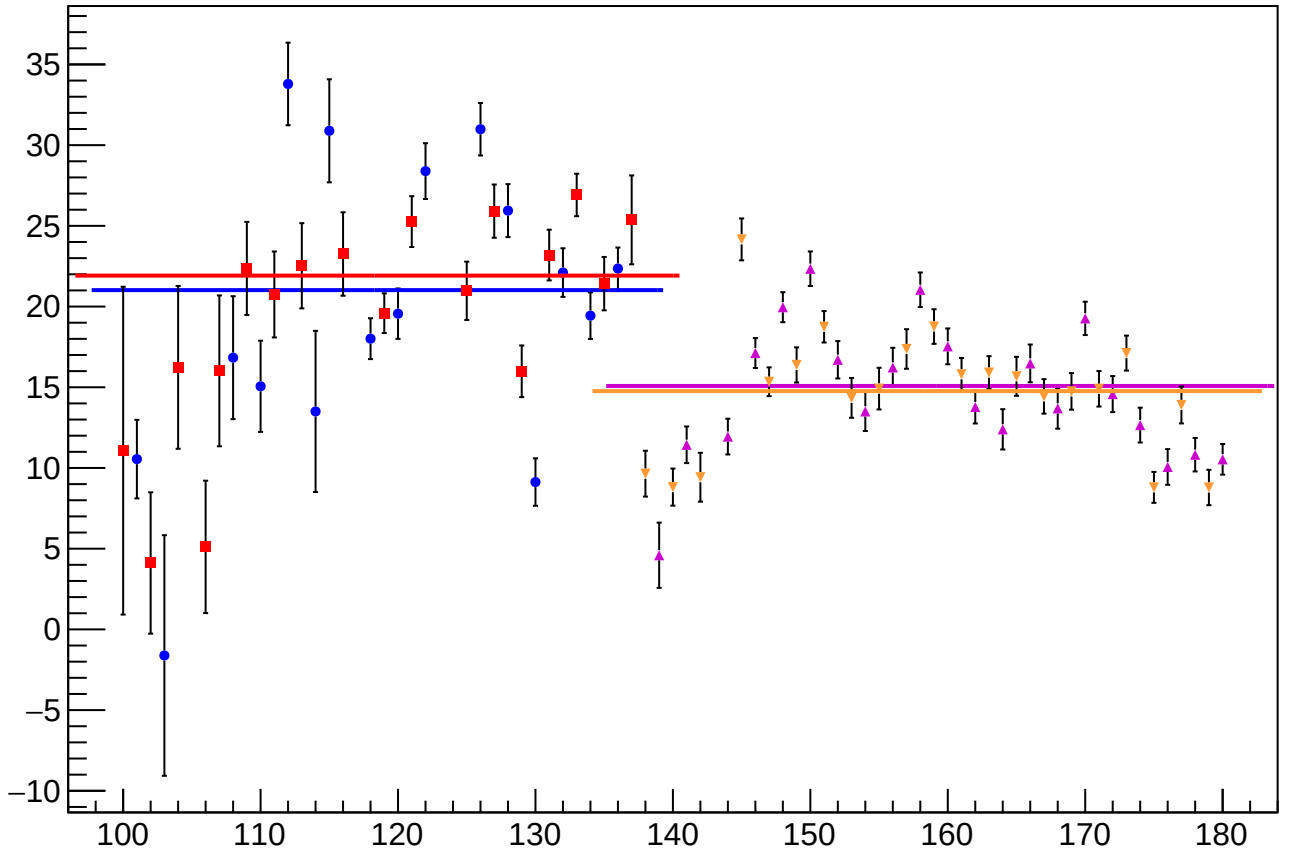
Left: -18.685+/-0.200 χ^2/NDF: 1829.8/41

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -20.297+/-0.238 χ^2/NDF:3193.6/36

Out: -21.473+/-0.246 χ^2/NDF:3109.1/38

All: -20.864+/-0.171 χ^2/NDF: 6314.5/75



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.761+/-0.243 χ^2/NDF:219.3/20

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.080+/-0.241 χ^2/NDF:254.8/20

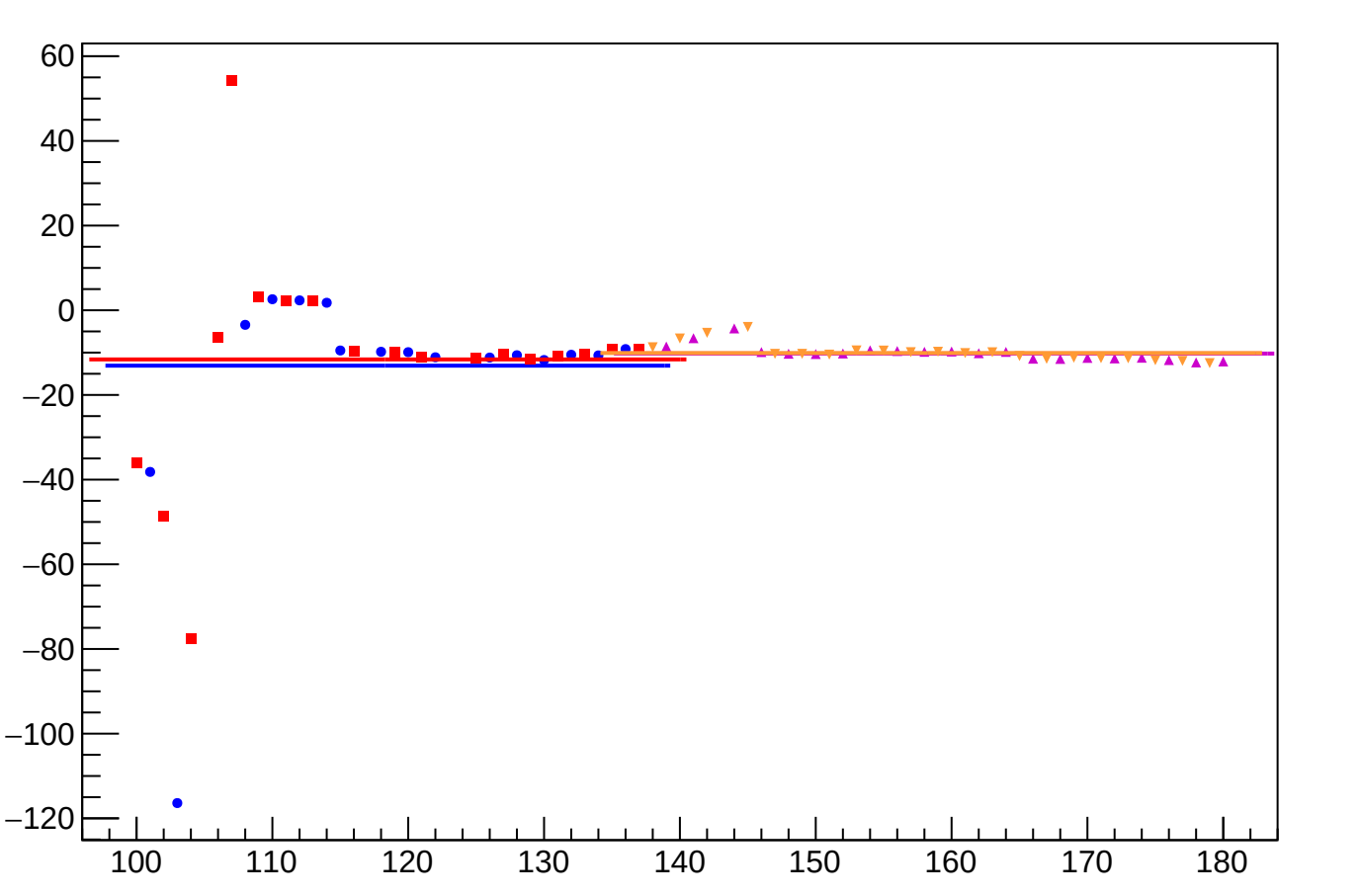
Left: 14.922+/-0.171 χ^2/NDF: 475.0/41

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.367+/-0.213 χ^2/NDF:596.0/36

Out: 16.233+/-0.217 χ^2/NDF:479.6/38

All: 16.301+/-0.152 χ^2/NDF: 1075.9/75



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.099+/-0.011 χ^2/NDF:30466.5/20

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -10.226+/-0.011 χ^2/NDF:24305.0/20

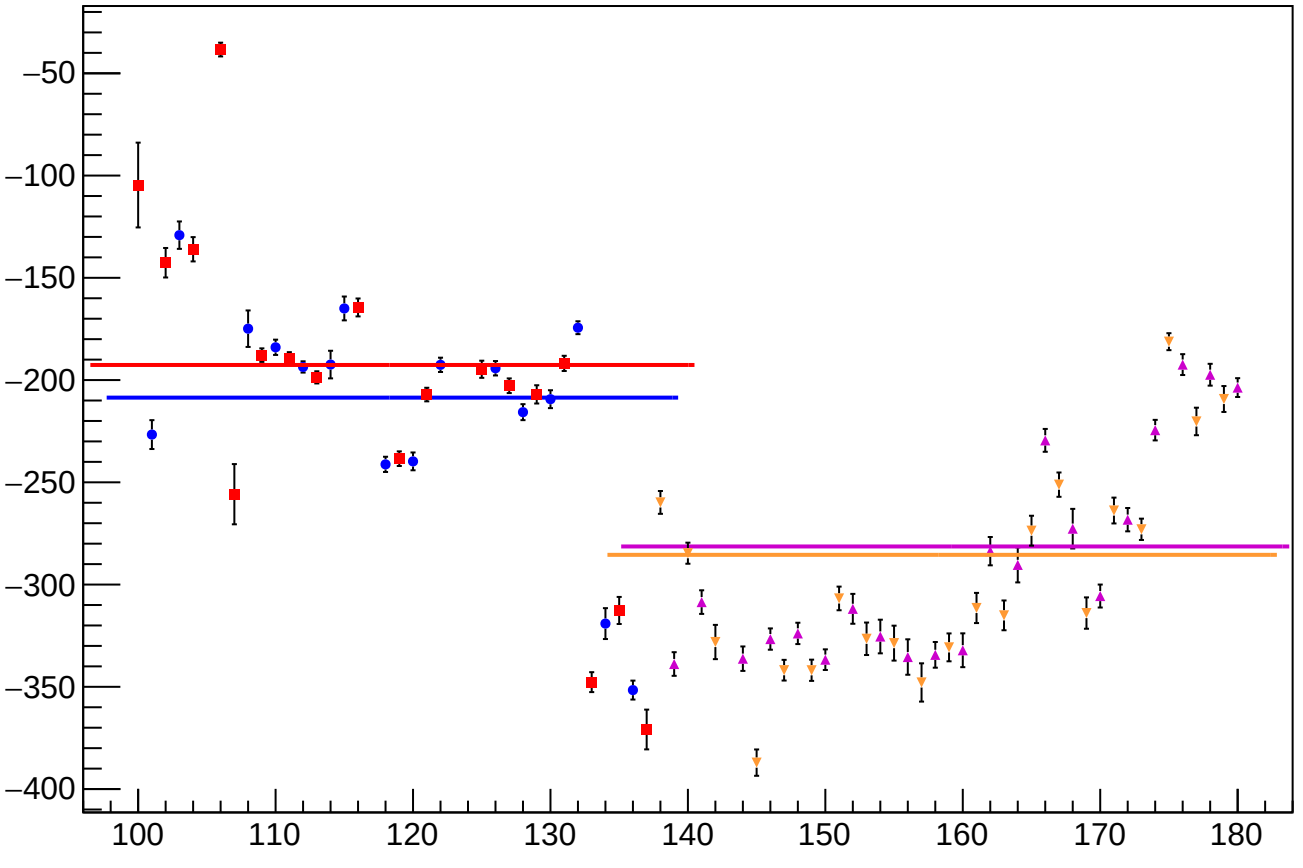
Left: -10.164+/-0.008 χ^2/NDF: 54840.1/41

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.579+/-0.010 χ^2/NDF:378127.3/36

Out: -10.268+/-0.010 χ^2/NDF:346774.0/38

All: -10.429+/-0.007 χ^2/NDF: 725371.0/75



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -285.465+/-1.355 χ^2/NDF:1658.9/20

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -281.369+/-1.304 χ^2/NDF:1738.8/20

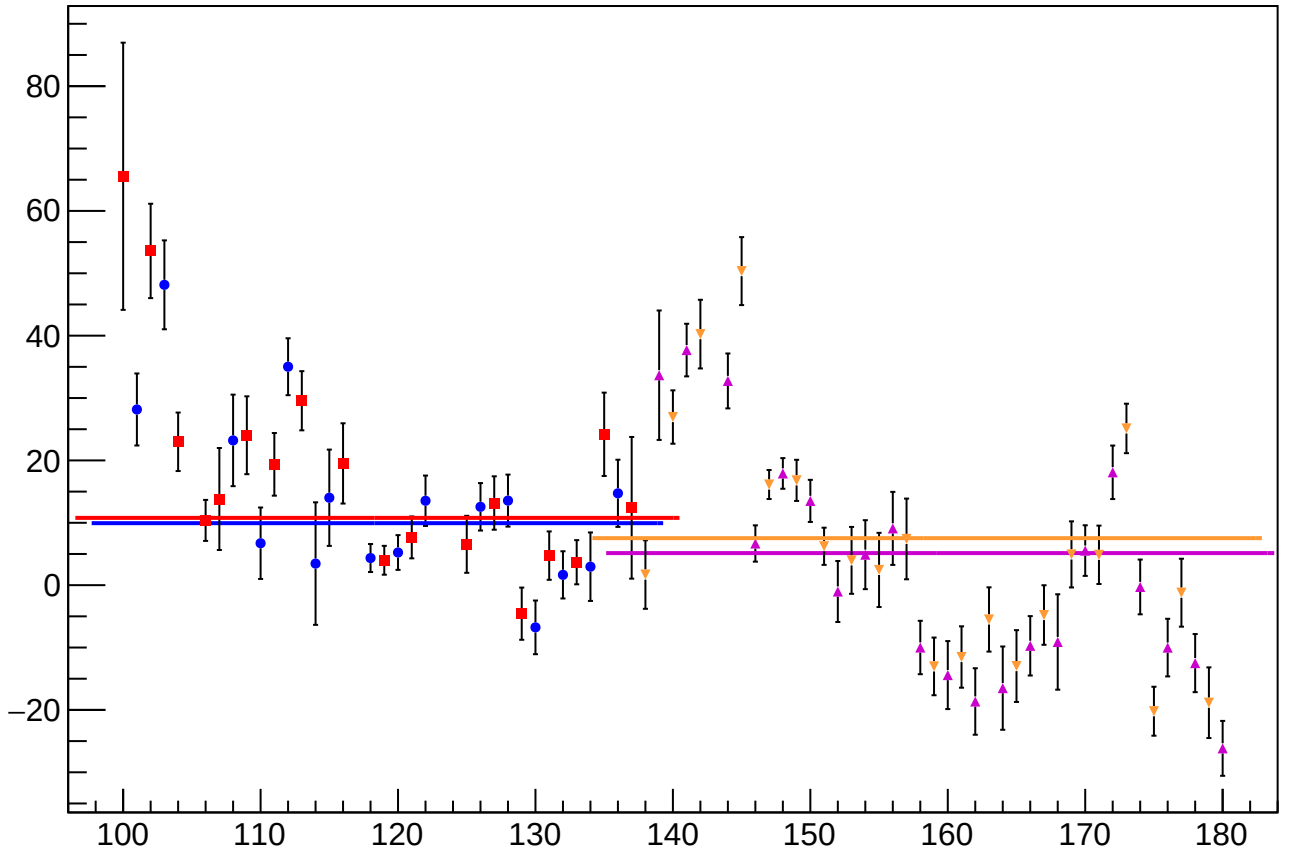
Left: -283.340+/-0.940 χ^2/NDF: 3402.4/41

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -237.745+/-0.826 χ^2/NDF:5355.8/36

Out: -225.318+/-0.804 χ^2/NDF:8909.1/38

All: -231.366+/-0.576 χ^2/NDF: 14381.2/75



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 7.536+/-0.951 χ^2/NDF:296.8/20

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 5.142+/-0.949 χ^2/NDF:297.3/20

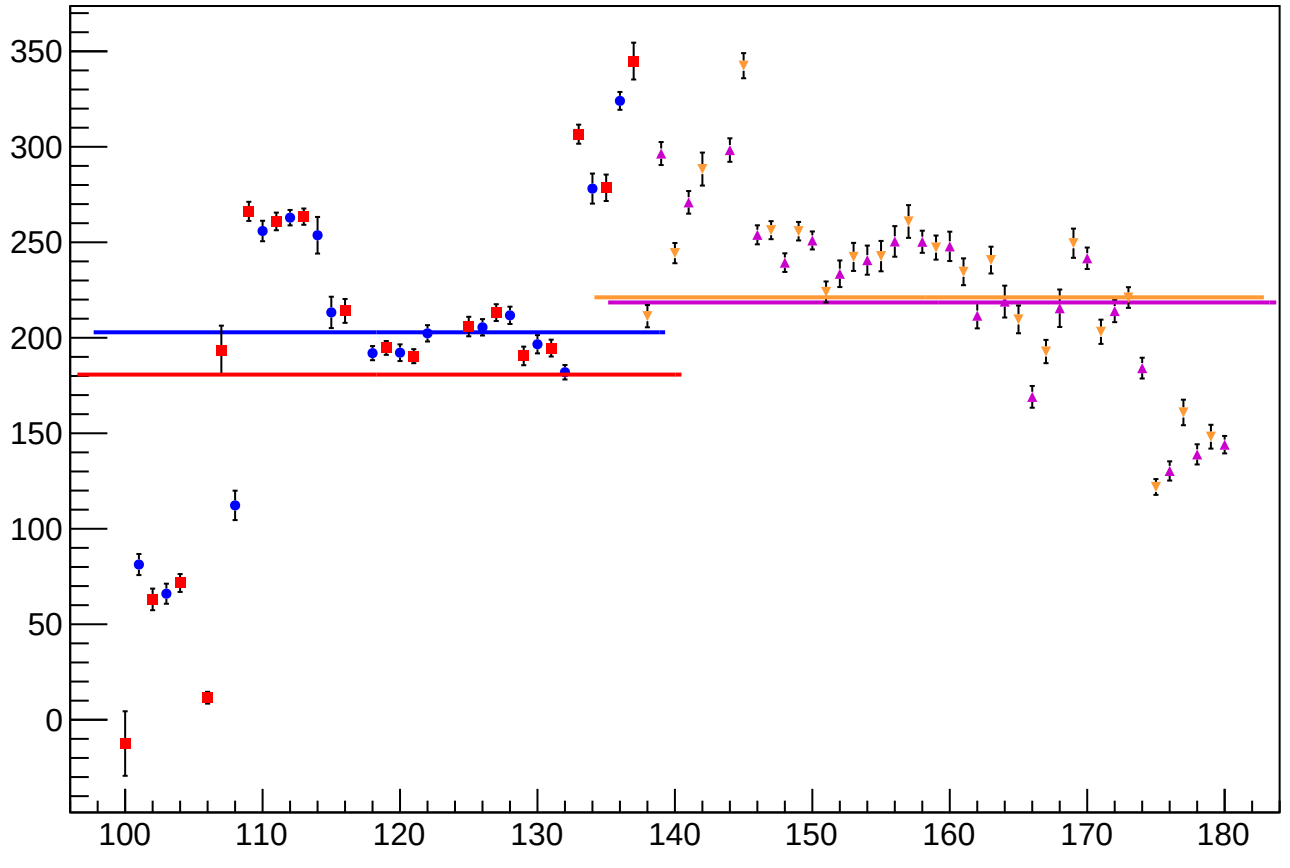
Left: 6.336+/-0.672 χ^2/NDF: 597.3/41

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 7.263+/-0.709 χ^2/NDF:415.2/36

Out: 9.011+/-0.703 χ^2/NDF:407.2/38

All: 8.144+/-0.499 χ^2/NDF: 825.4/75



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 221.189+/-1.331 χ^2/NDF:1435.8/20

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 218.503+/-1.284 χ^2/NDF:1536.2/20

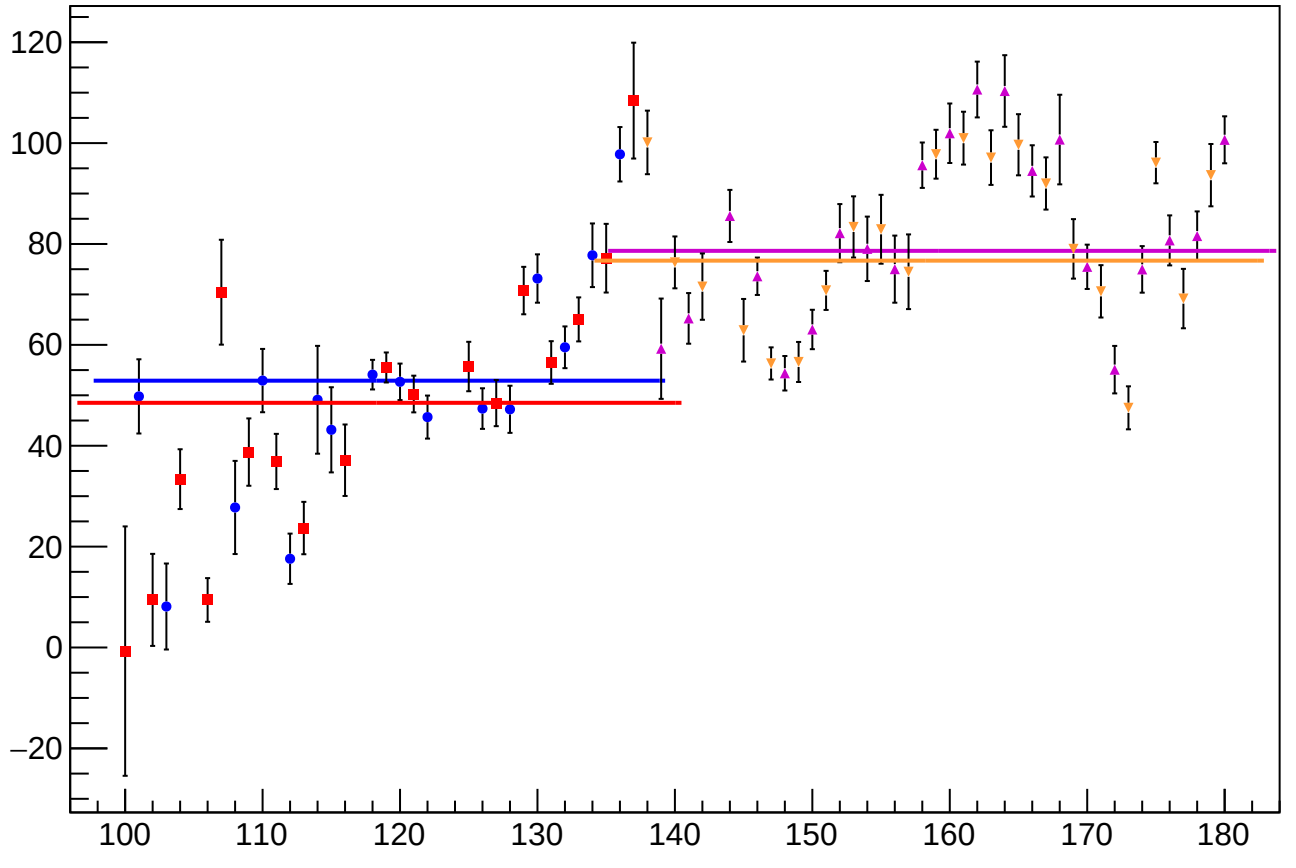
Left: 219.798+/-0.924 χ^2/NDF: 2974.1/41

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 210.322+/-0.887 χ^2/NDF:4077.9/36

Out: 197.913+/-0.867 χ^2/NDF:8315.2/38

All: 203.981+/-0.620 χ^2/NDF: 12493.1/75



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.698+/-1.104 χ^2/NDF:248.1/20

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 78.640+/-1.089 χ^2/NDF:229.7/20

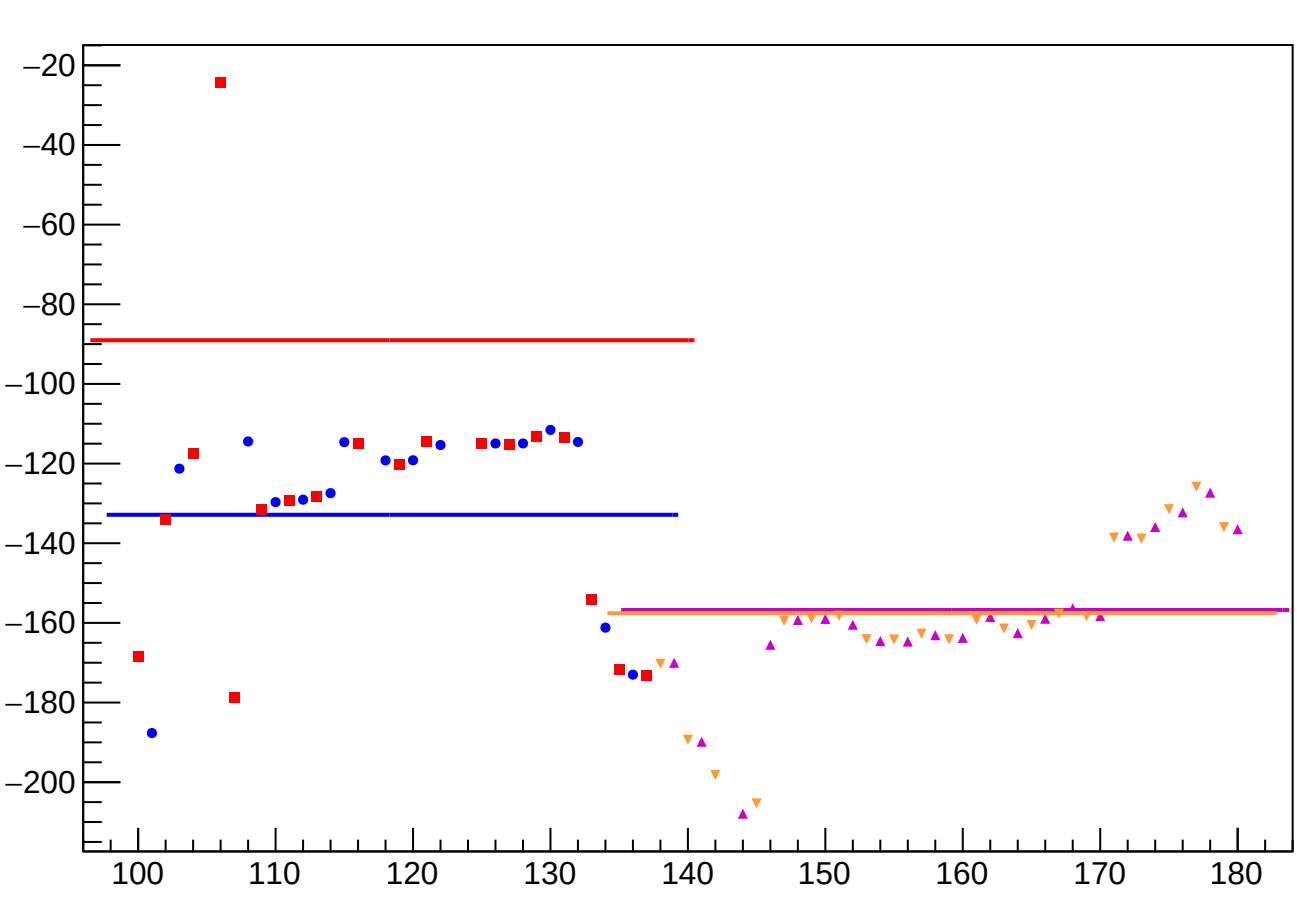
Left: 77.682+/-0.775 χ^2/NDF: 479.4/41

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 67.444+/-0.819 χ^2/NDF:670.9/36

Out: 63.943+/-0.817 χ^2/NDF:783.1/38

All: 65.689+/-0.578 χ^2/NDF: 1463.2/75



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -157.578+/-0.052 χ^2/NDF:129782.8/20

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -156.759+/-0.050 χ^2/NDF:121333.6/20

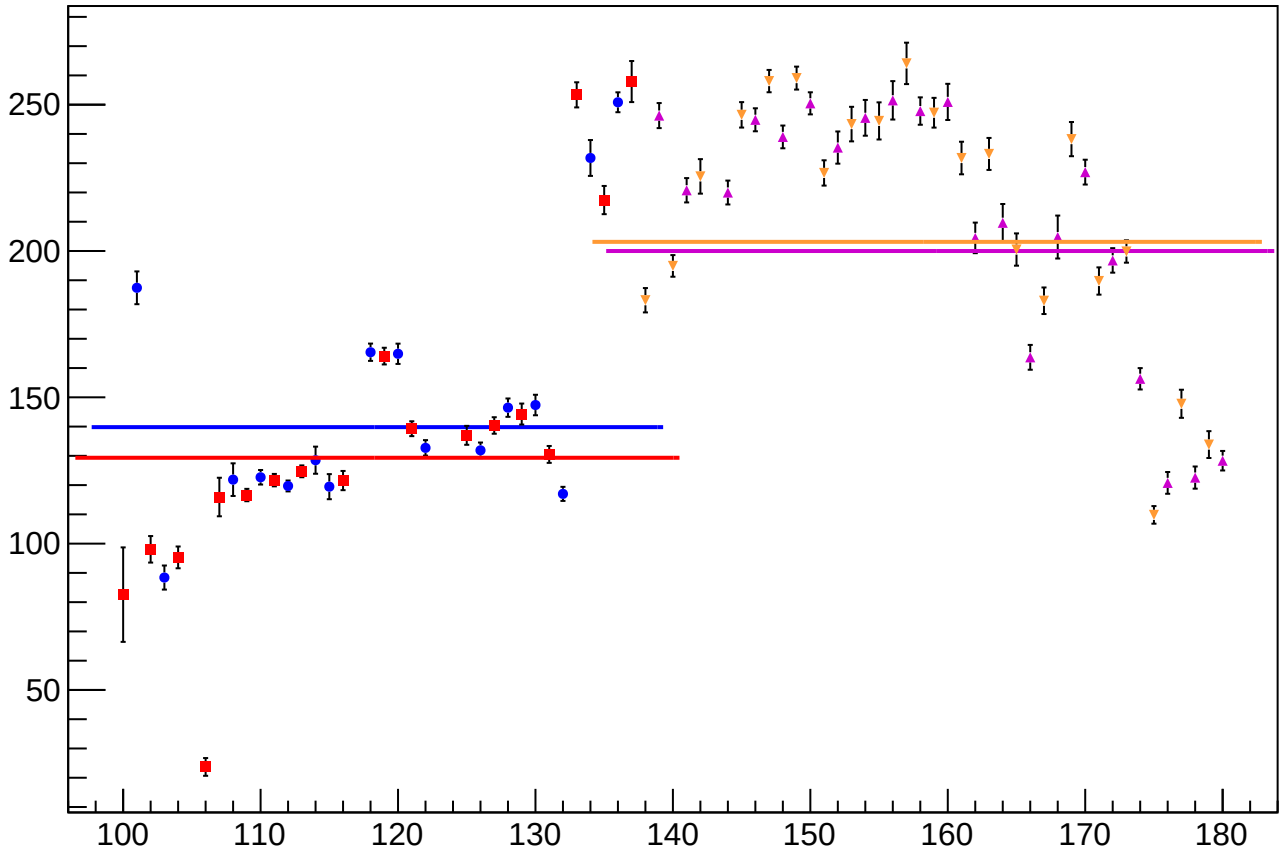
Left: -157.153+/-0.036 χ^2/NDF: 251246.9/41

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.262+/-0.042 χ^2/NDF:277695.2/36

Out: -130.659+/-0.040 χ^2/NDF:1551193.2/38

All: -139.938+/-0.029 χ^2/NDF: 1941388.0/75



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 203.125+/-0.998 χ^2/NDF:2267.0/20

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 199.993+/-0.961 χ^2/NDF:2499.5/20

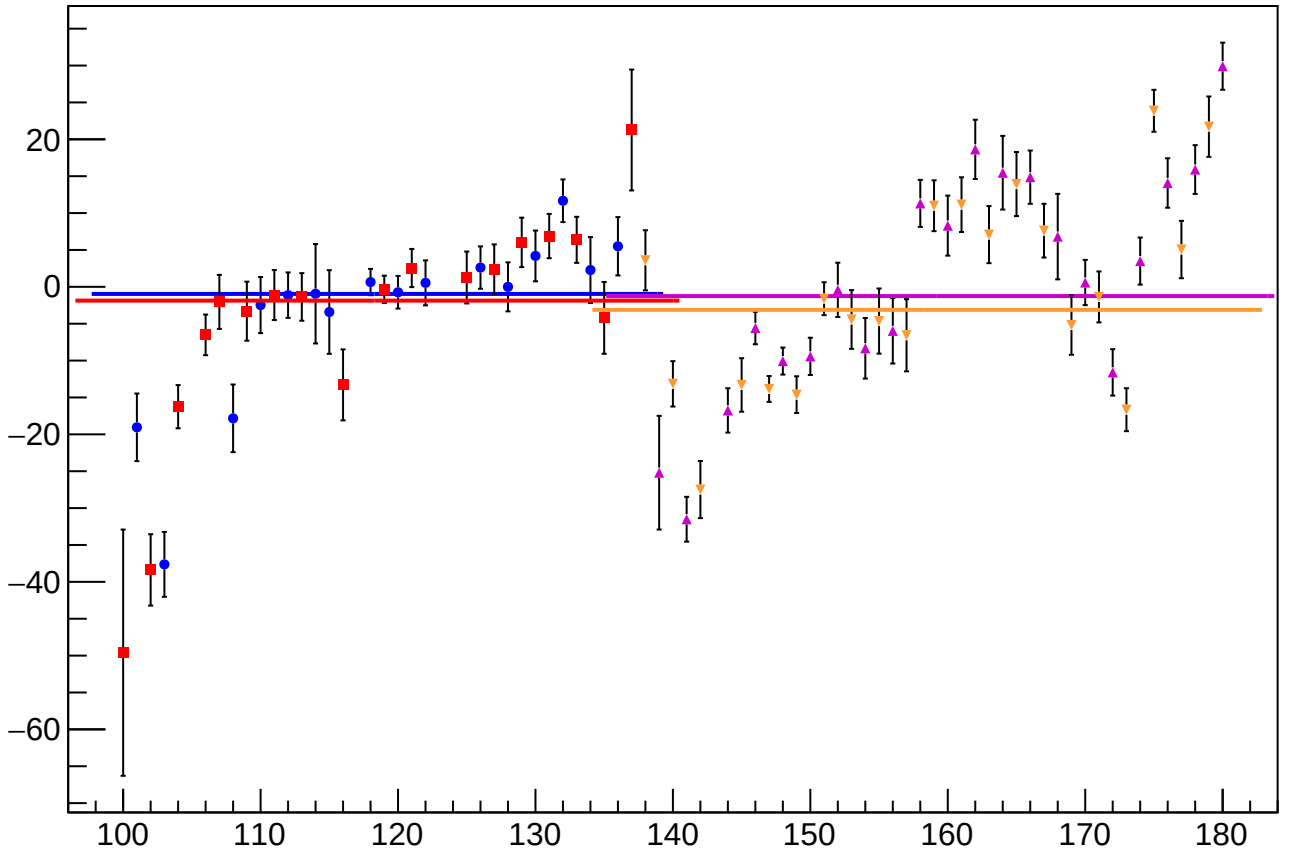
Left: 201.500+/-0.692 χ^2/NDF: 4771.6/41

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 163.883+/-0.608 χ^2/NDF:6818.1/36

Out: 155.260+/-0.591 χ^2/NDF:8937.1/38

All: 159.454+/-0.424 χ^2/NDF: 15858.6/75



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.121+/-0.704 χ^2/NDF:336.9/20

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -1.254+/-0.701 χ^2/NDF:412.2/20

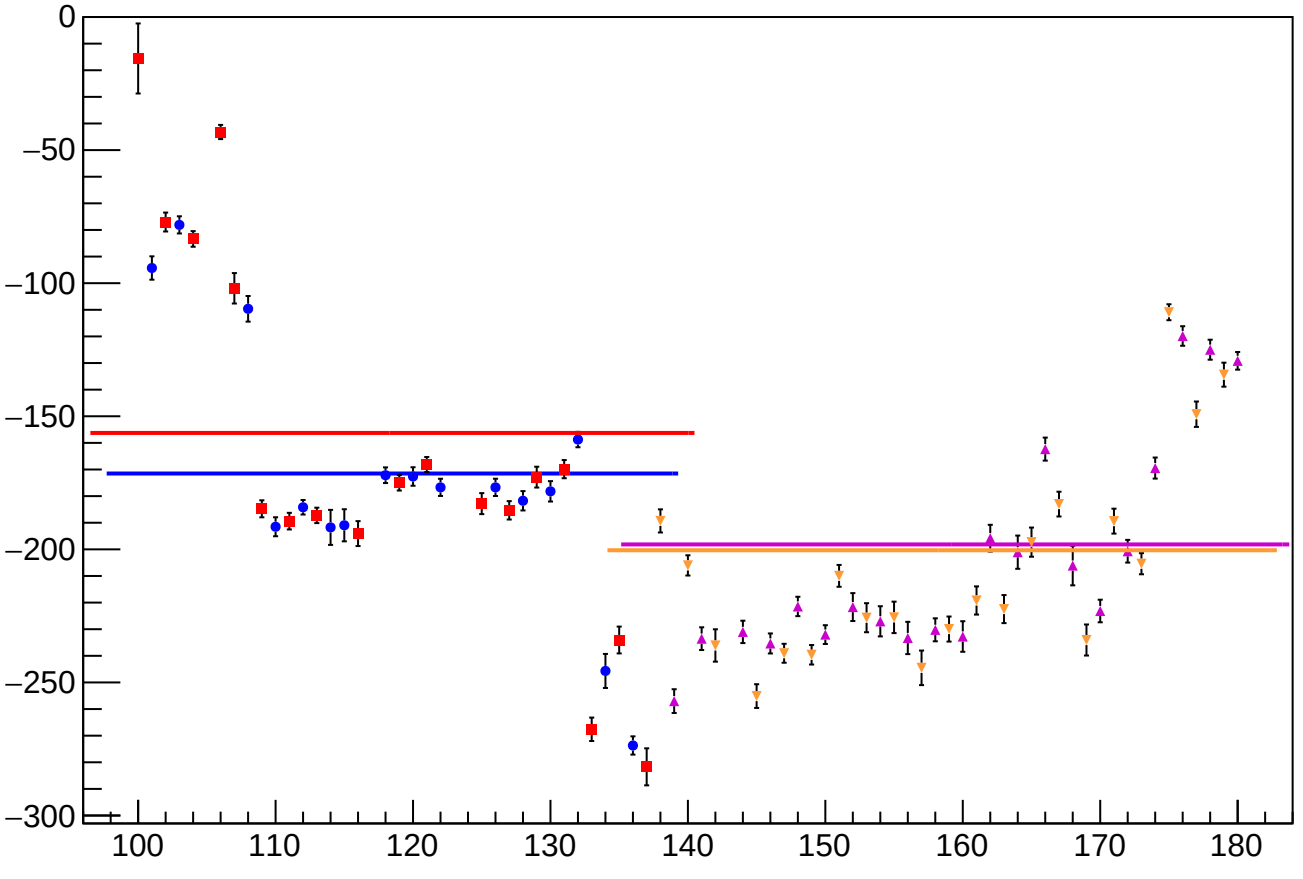
Left: -2.184+/-0.497 χ^2/NDF: 752.6/41

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -1.129+/-0.530 χ^2/NDF:538.3/36

Out: -2.561+/-0.524 χ^2/NDF:471.4/38

All: -1.854+/-0.372 χ^2/NDF: 1013.5/75



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -200.332+/-0.982 χ^2/NDF:1862.3/20

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -198.148+/-0.947 χ^2/NDF:2131.6/20

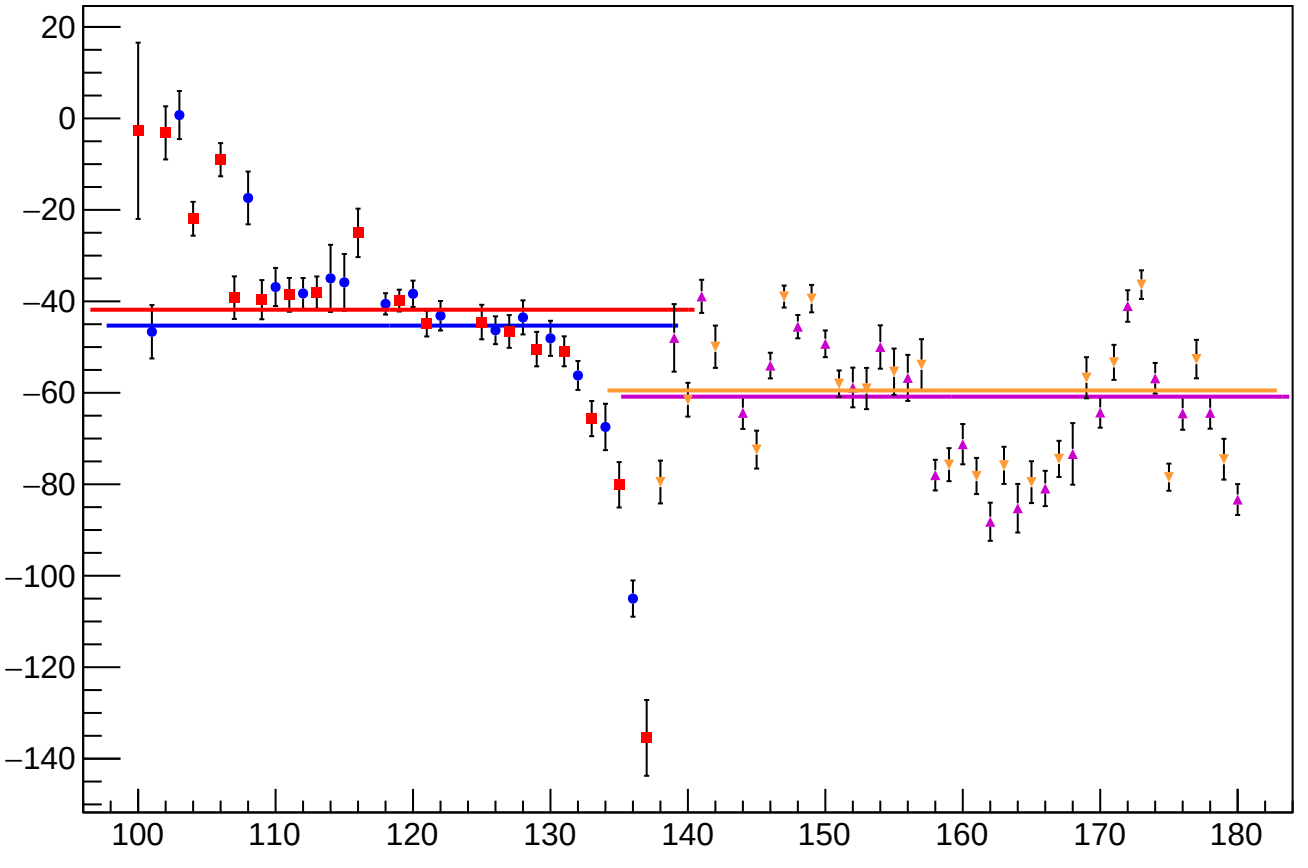
Left: -199.201+/-0.682 χ^2/NDF: 3996.5/41

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -184.247+/-0.655 χ^2/NDF:4987.2/36

Out: -175.075+/-0.641 χ^2/NDF:7921.6/38

All: -179.565+/-0.458 χ^2/NDF: 13008.9/75



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.483+/-0.816 χ^2/NDF:357.2/20

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -60.845+/-0.805 χ^2/NDF:312.8/20

Left: -60.174+/-0.573 χ^2/NDF: 671.4/41

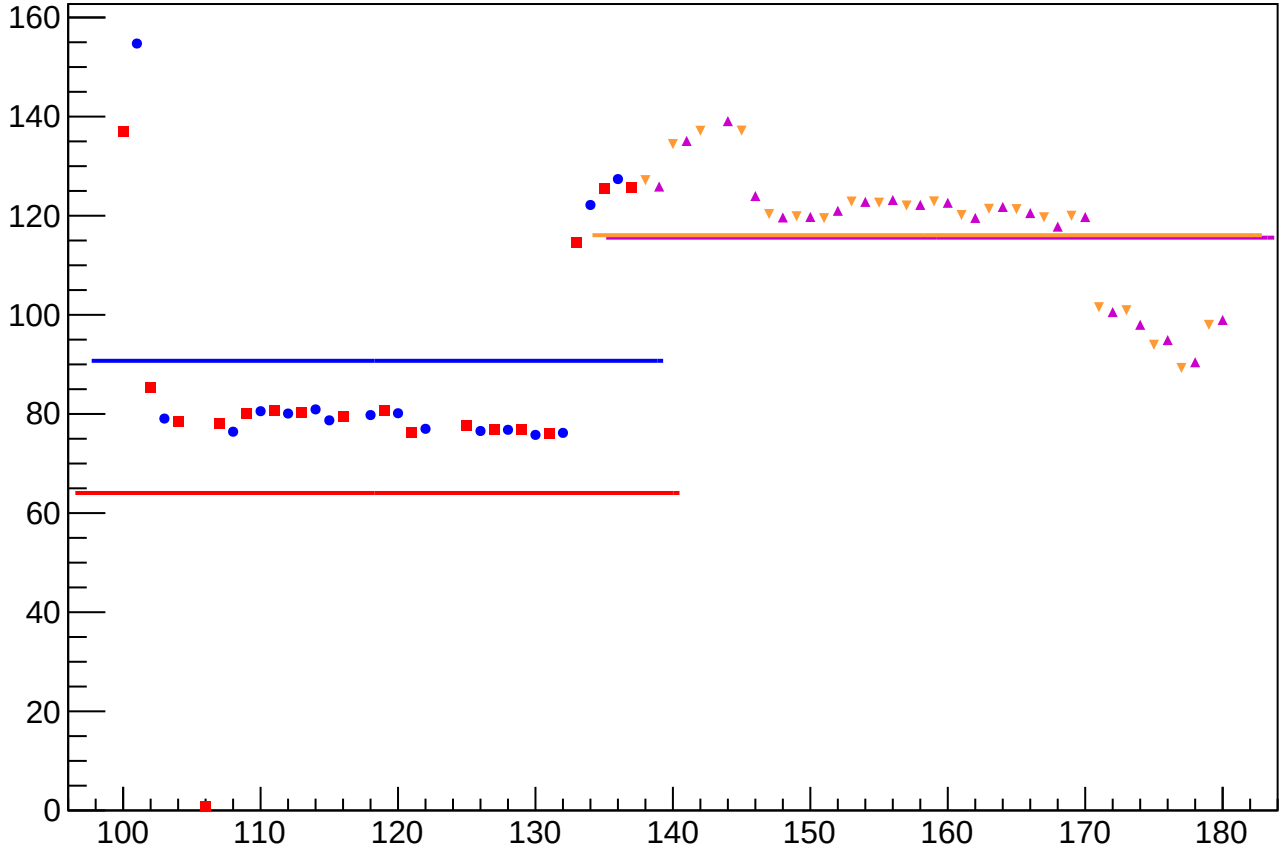
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -54.254+/-0.611 χ^2/NDF:853.1/36

Out: -51.605+/-0.607 χ^2/NDF:980.1/38

All: -52.923+/-0.431 χ^2/NDF: 1842.6/75

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: 116.070+/-0.038 χ^2/NDF:123742.4/20

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 115.576+/-0.037 χ^2/NDF:124427.0/20

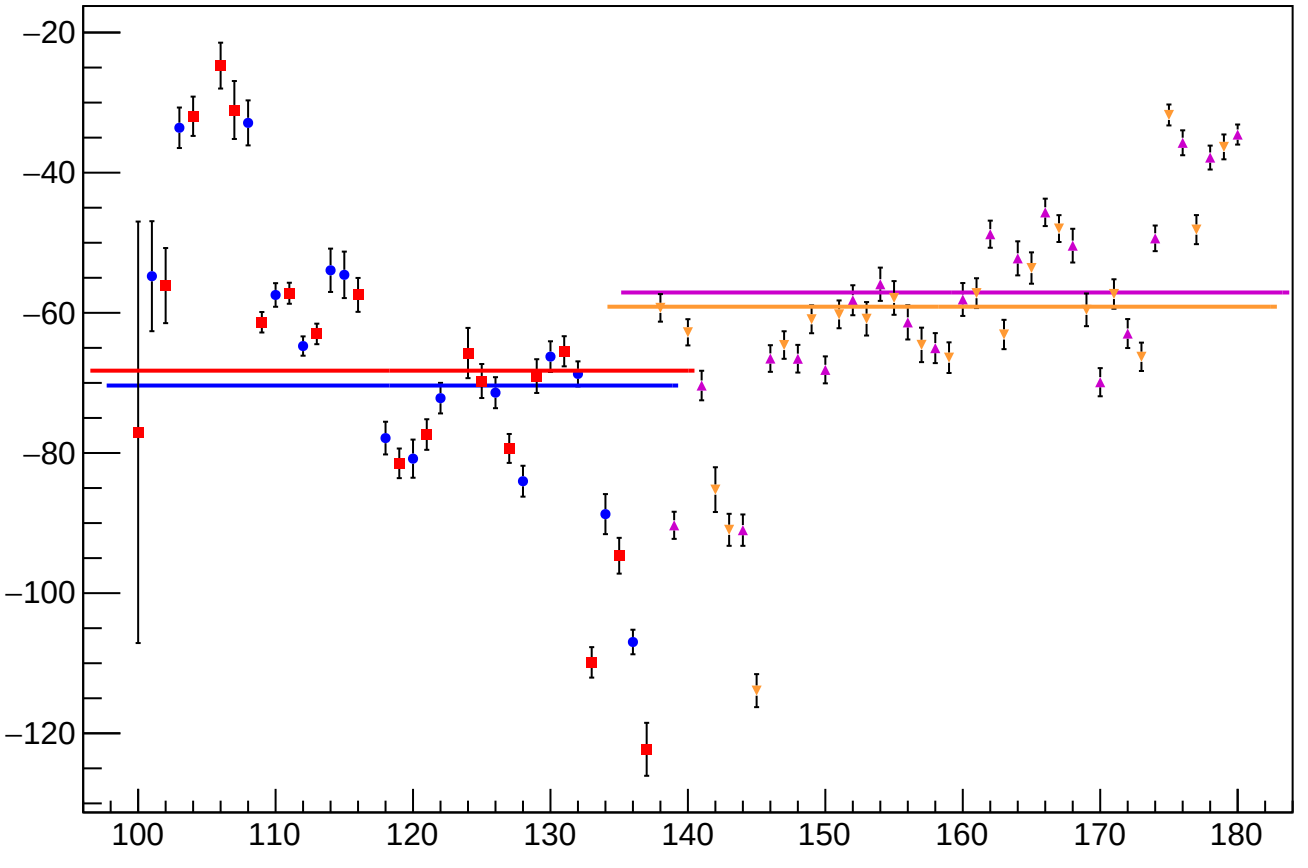
Left: 115.814+/-0.026 χ^2/NDF: 248256.5/41

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 108.544+/-0.031 χ^2/NDF:415036.1/36

Out: 96.605+/-0.030 χ^2/NDF:1481268.8/38

All: 102.389+/-0.022 χ^2/NDF: 1972221.3/75



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -59.125+/-0.444 χ^2/NDF:1417.1/21

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -57.098+/-0.436 χ^2/NDF:1311.6/20

Left: -58.094+/-0.311 χ^2/NDF: 2739.3/42

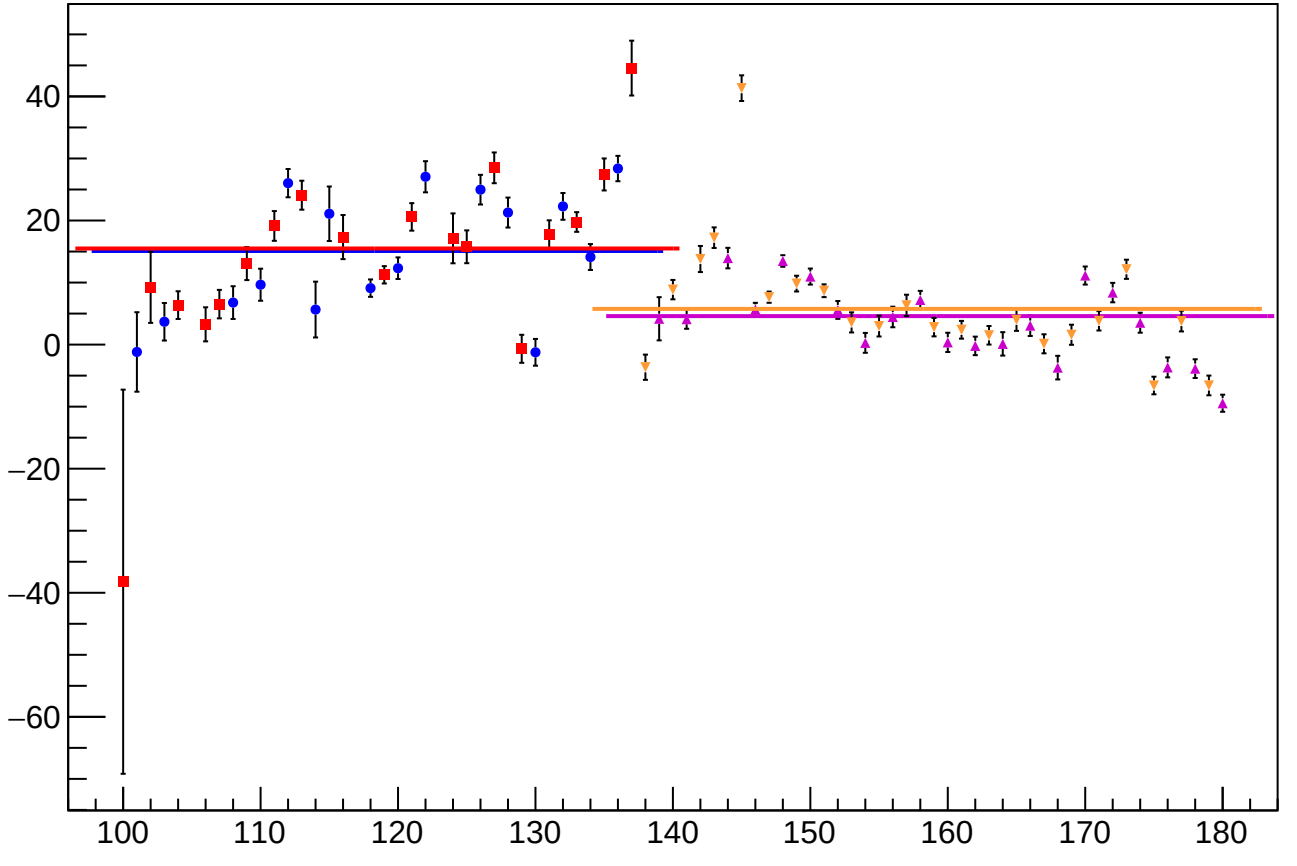
Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -62.136+/-0.344 χ^2/NDF:2638.1/36

Out: -62.915+/-0.339 χ^2/NDF:2898.6/40

All: -62.531+/-0.241 χ^2/NDF: 5539.3/77

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 5.756+/-0.318 χ^2/NDF:605.3/21

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 4.591+/-0.323 χ^2/NDF:390.8/20

Left: 5.183+/-0.226 χ^2/NDF: 1002.8/42

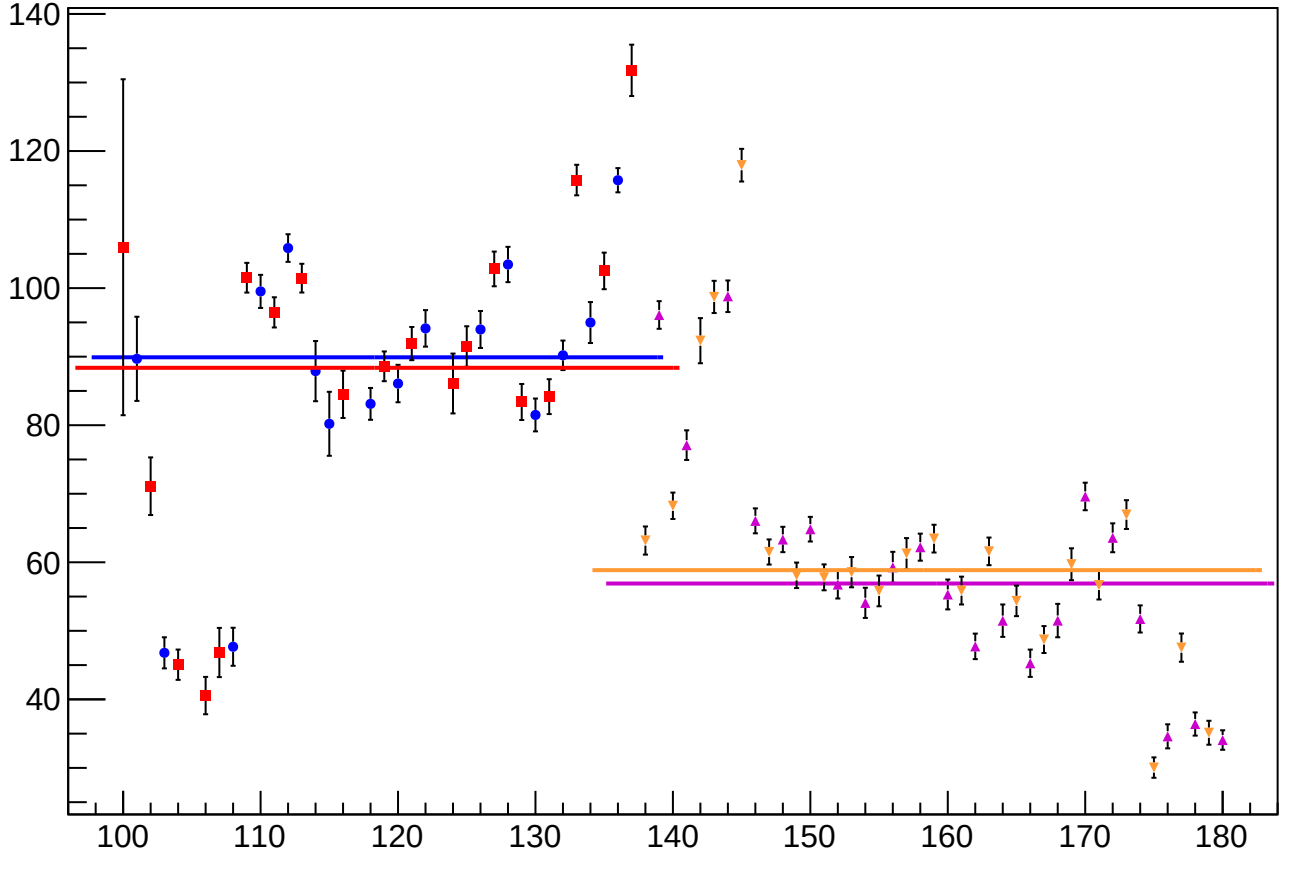
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 7.070+/-0.282 χ^2/NDF:882.9/36

Out: 8.136+/-0.276 χ^2/NDF:1074.4/40

All: 7.615+/-0.197 χ^2/NDF: 1964.6/77

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: 58.853+/-0.436 χ^2/NDF:1683.6/21

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 56.903+/-0.429 χ^2/NDF:1553.4/20

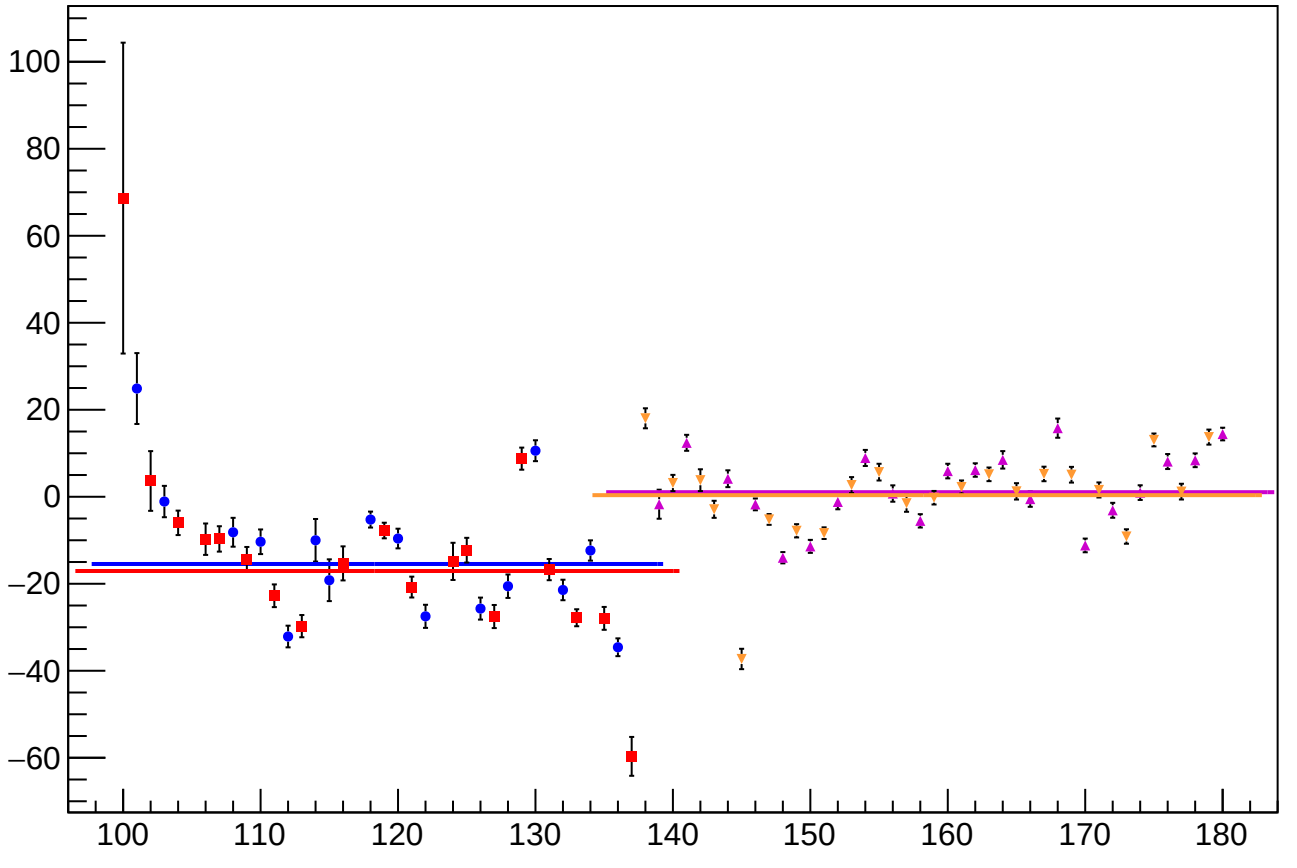
Left: 57.862+/-0.306 χ^2/NDF: 3247.2/42

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 67.106+/-0.356 χ^2/NDF:4334.3/36

Out: 68.667+/-0.356 χ^2/NDF:4498.7/40

All: 67.887+/-0.252 χ^2/NDF: 8842.6/77



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.369+/-0.364 χ^2/NDF:618.9/21

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 1.052+/-0.367 χ^2/NDF:555.1/20

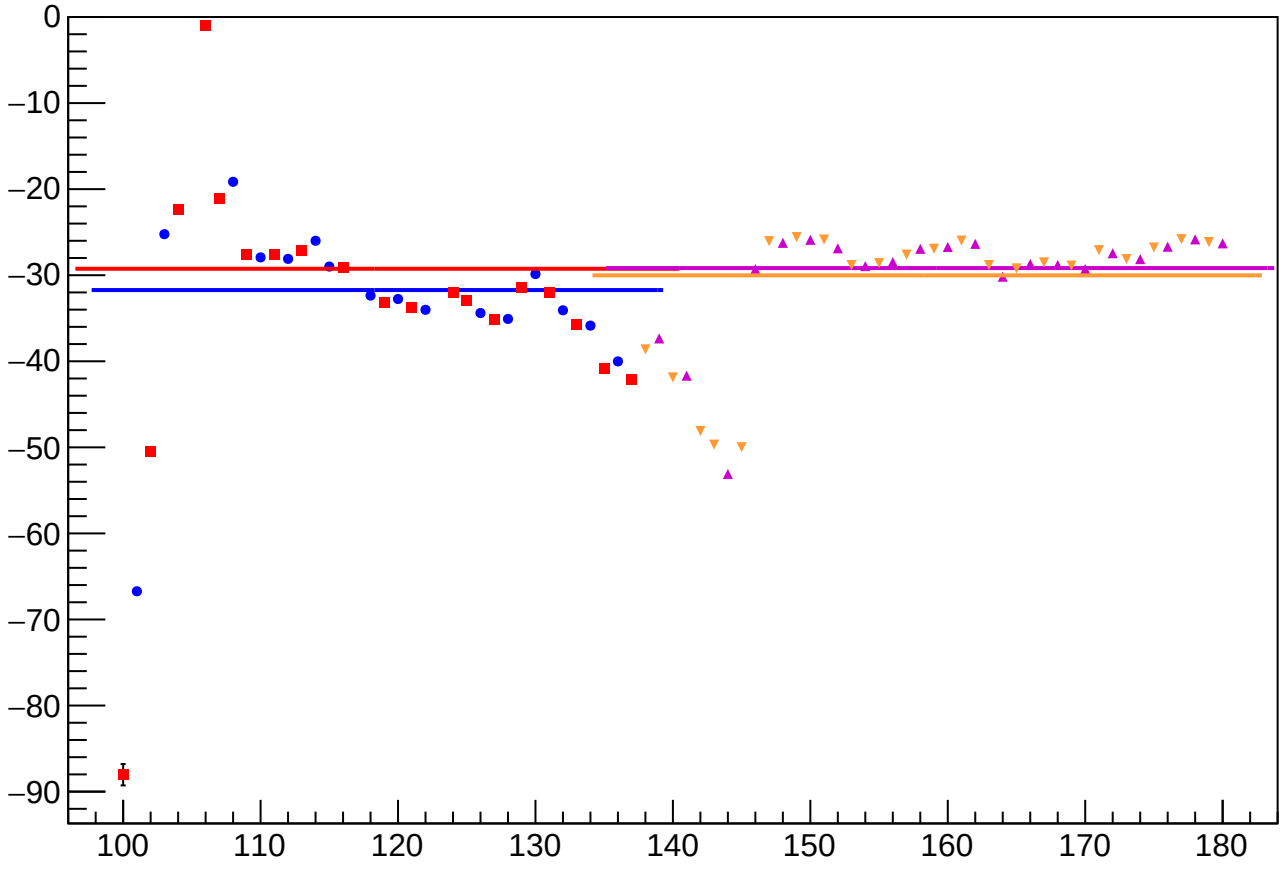
Left: 0.708+/-0.259 χ^2/NDF: 1175.8/42

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -2.798+/-0.321 χ^2/NDF:1413.3/36

Out: -3.864+/-0.317 χ^2/NDF:1535.5/40

All: -3.338+/-0.226 χ^2/NDF: 2954.4/77



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.017+/-0.017 χ^2/NDF:160980.8/21

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.169+/-0.016 χ^2/NDF:100947.3/20

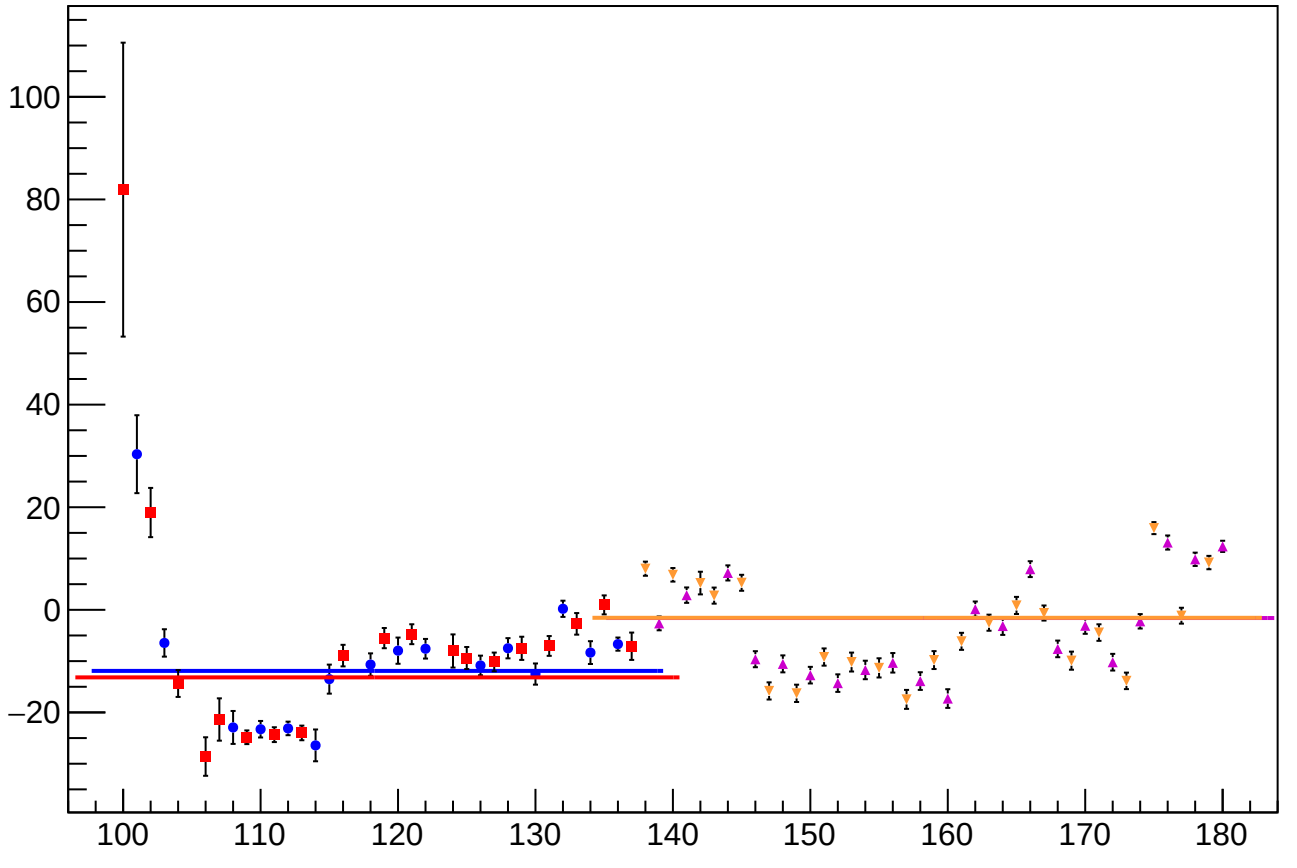
Left: -29.587+/-0.012 χ^2/NDF: 263242.4/42

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.562+/-0.015 χ^2/NDF:144309.6/36

Out: -29.896+/-0.015 χ^2/NDF:256551.7/40

All: -29.727+/-0.011 χ^2/NDF: 401102.1/77



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -1.555+/-0.337 χ^2/NDF:823.9/21

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -1.599+/-0.333 χ^2/NDF:819.8/20

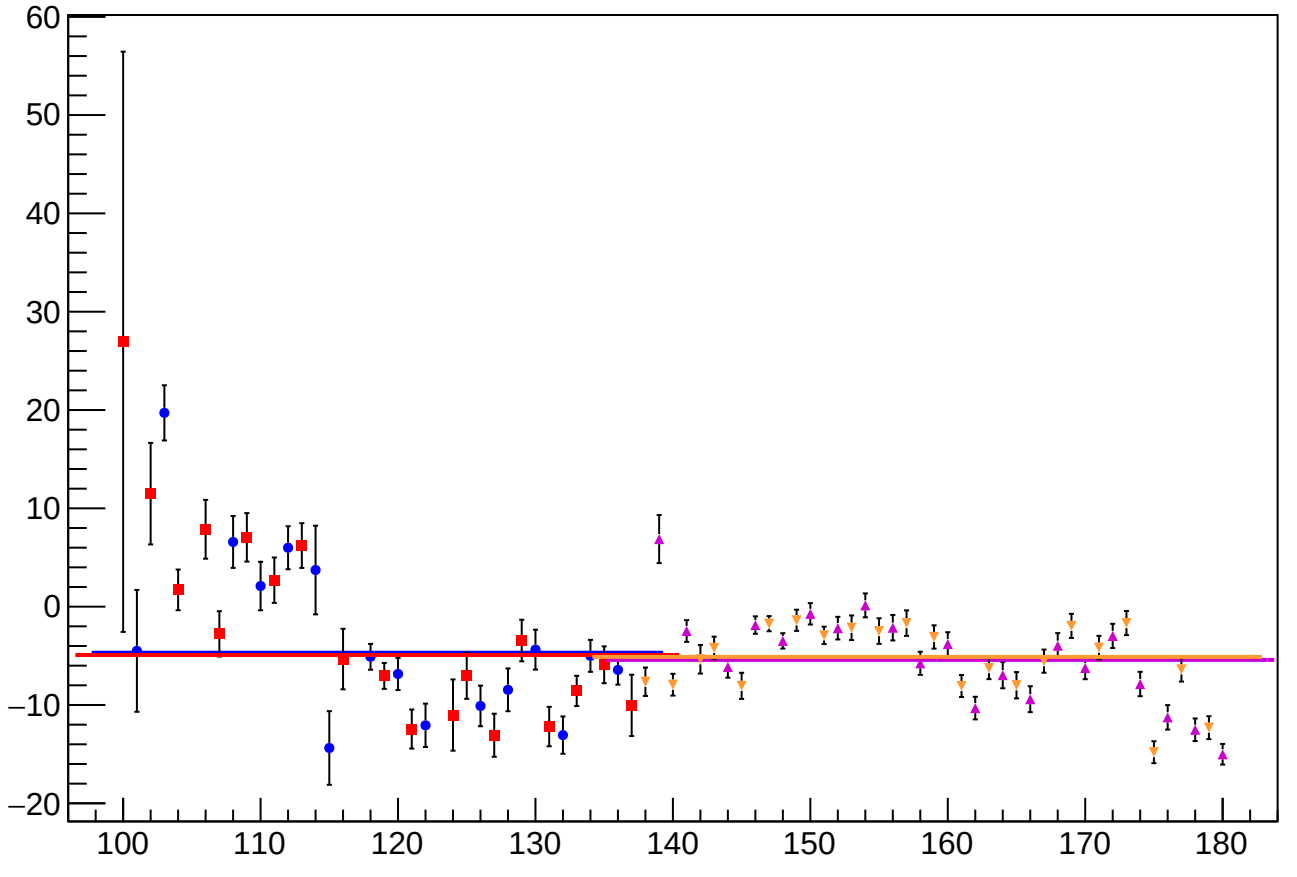
Left: -1.577+/-0.237 χ^2/NDF: 1643.7/42

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -4.800+/-0.277 χ^2/NDF:1398.8/36

Out: -5.390+/-0.276 χ^2/NDF:1637.4/40

All: -5.096+/-0.195 χ^2/NDF: 3038.4/77



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -5.111+/-0.246 χ^2/NDF:214.6/21

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -5.412+/-0.251 χ^2/NDF:292.4/20

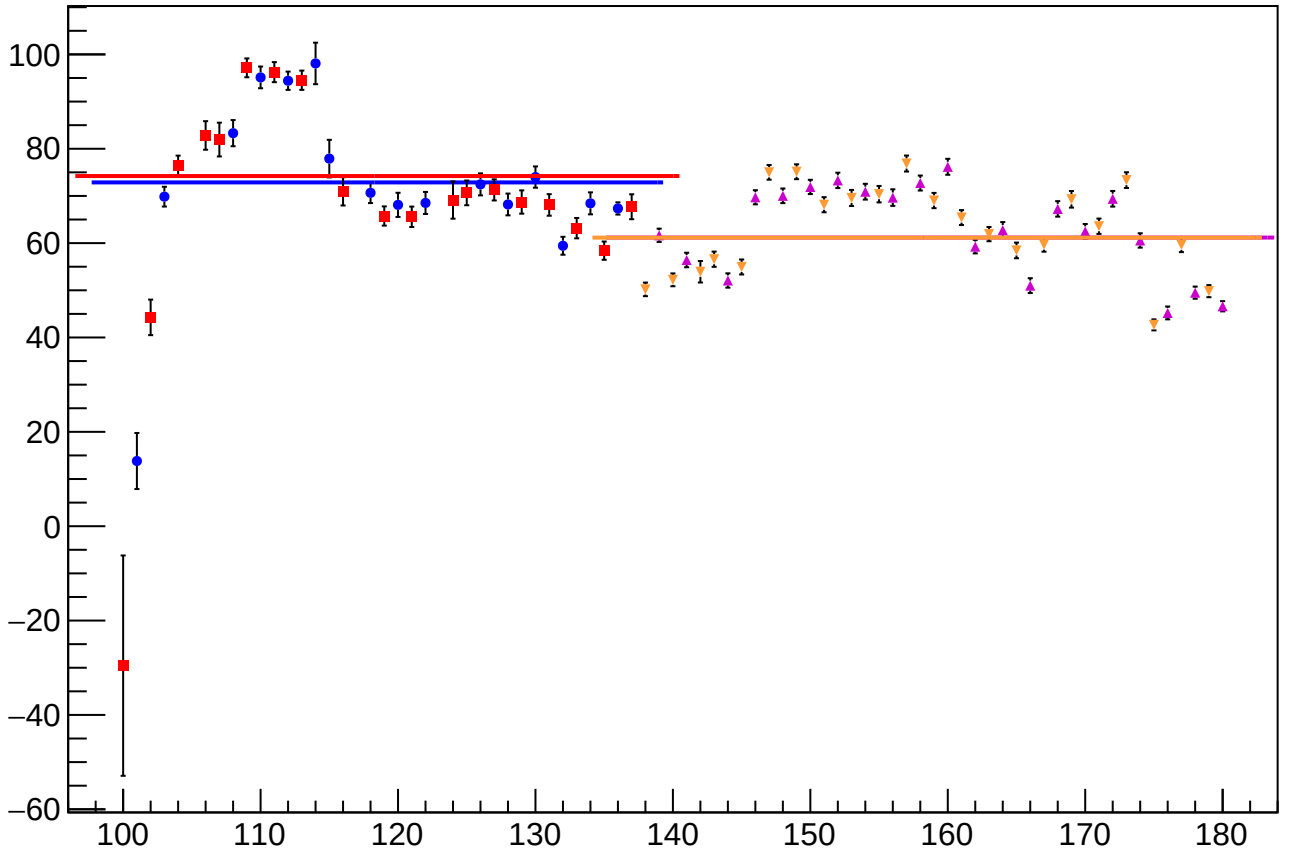
Left: -5.258+/-0.176 χ^2/NDF: 507.8/42

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -5.274+/-0.226 χ^2/NDF:473.1/36

Out: -5.074+/-0.222 χ^2/NDF:370.6/40

All: -5.172+/-0.158 χ^2/NDF: 844.1/77



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.159+/-0.332 χ^2/NDF:888.4/21

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 61.178+/-0.329 χ^2/NDF:889.5/20

Left: 61.168+/-0.234 χ^2/NDF: 1777.9/42

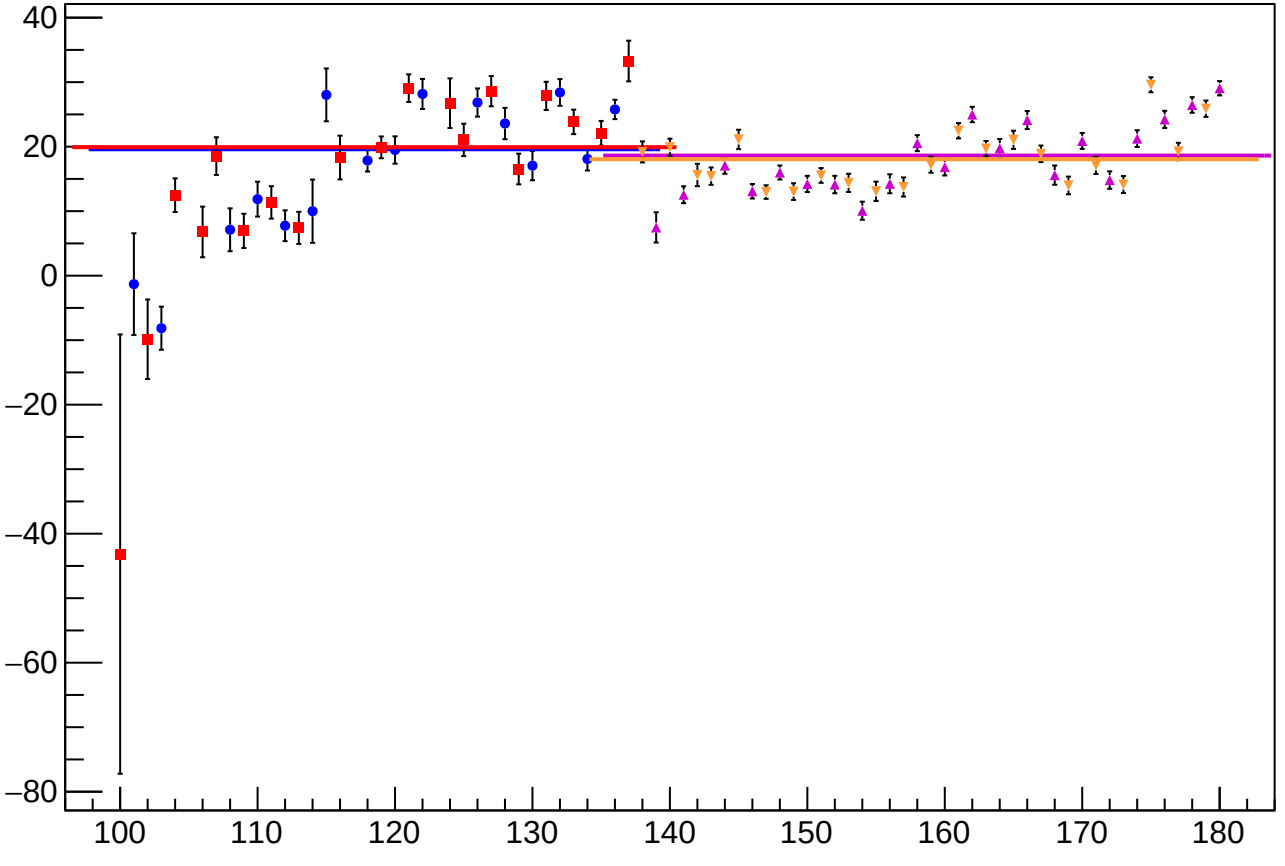
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 64.128+/-0.284 χ^2/NDF:1659.7/36

Out: 64.538+/-0.286 χ^2/NDF:1874.4/40

All: 64.331+/-0.202 χ^2/NDF: 3535.2/77

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: 18.050+/-0.281 χ^2/NDF:258.5/21

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 18.616+/-0.284 χ^2/NDF:361.3/20

Left: 18.330+/-0.200 χ^2/NDF: 621.9/42

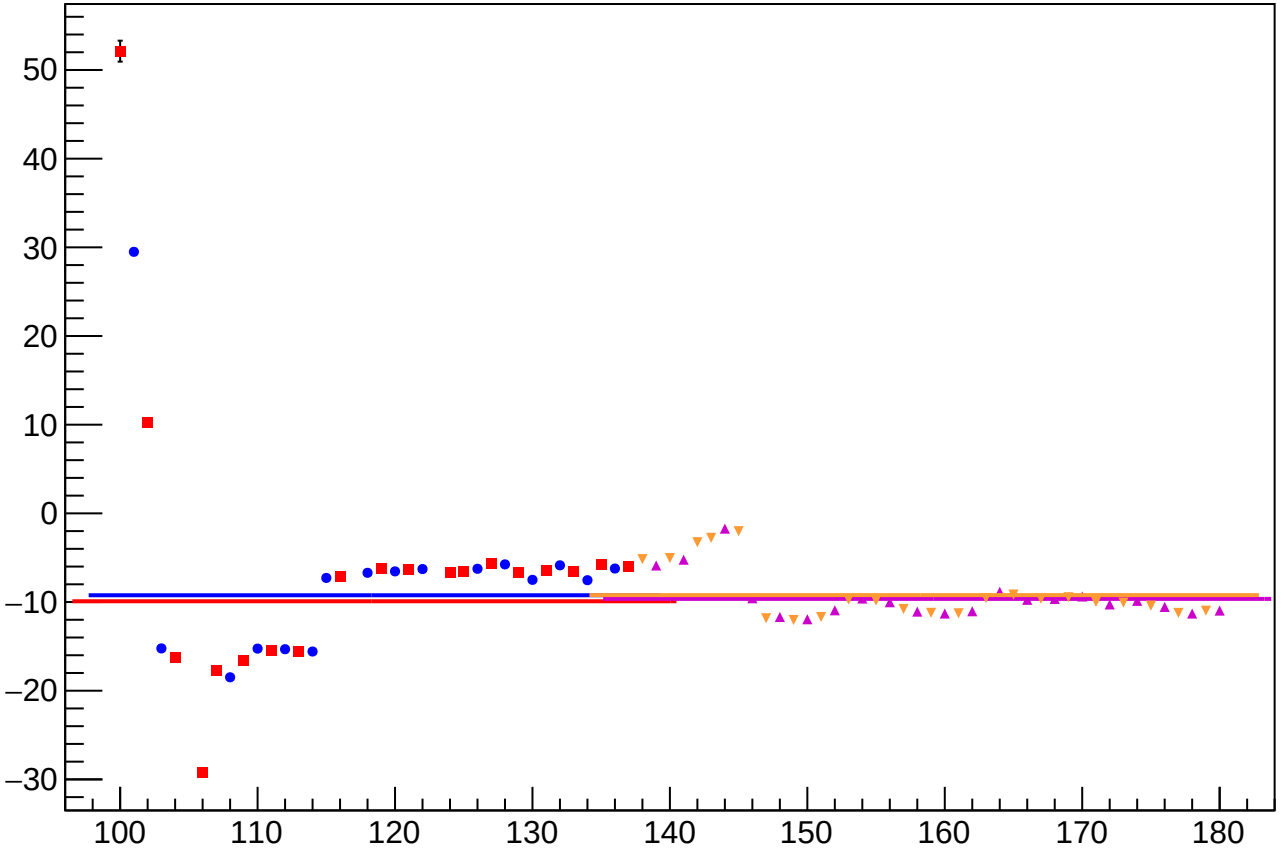
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 18.803+/-0.255 χ^2/NDF:559.6/36

Out: 18.400+/-0.253 χ^2/NDF:448.2/40

All: 18.599+/-0.180 χ^2/NDF: 1009.0/77

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.218+/-0.013 χ^2/NDF:48148.5/21

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.646+/-0.013 χ^2/NDF:31375.5/20

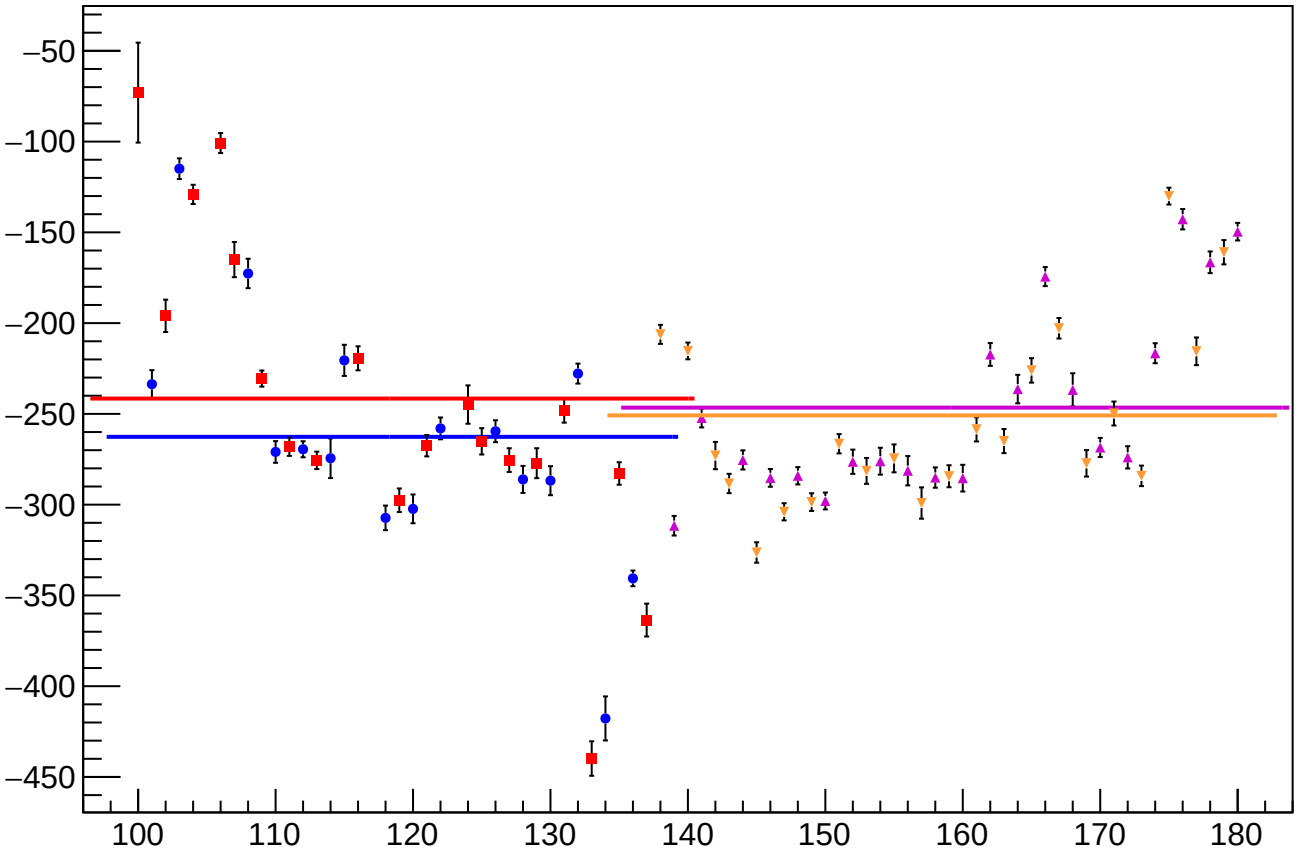
Left: -9.434+/-0.009 χ^2/NDF: 80095.6/42

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.593+/-0.012 χ^2/NDF:62671.2/36

Out: -9.301+/-0.012 χ^2/NDF:102369.7/40

All: -9.449+/-0.008 χ^2/NDF: 165344.8/77



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -250.831+/-1.265 χ^2/NDF:1711.0/21

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -246.549+/-1.257 χ^2/NDF:1754.8/20

Left: -248.677+/-0.892 χ^2/NDF: 3471.6/42

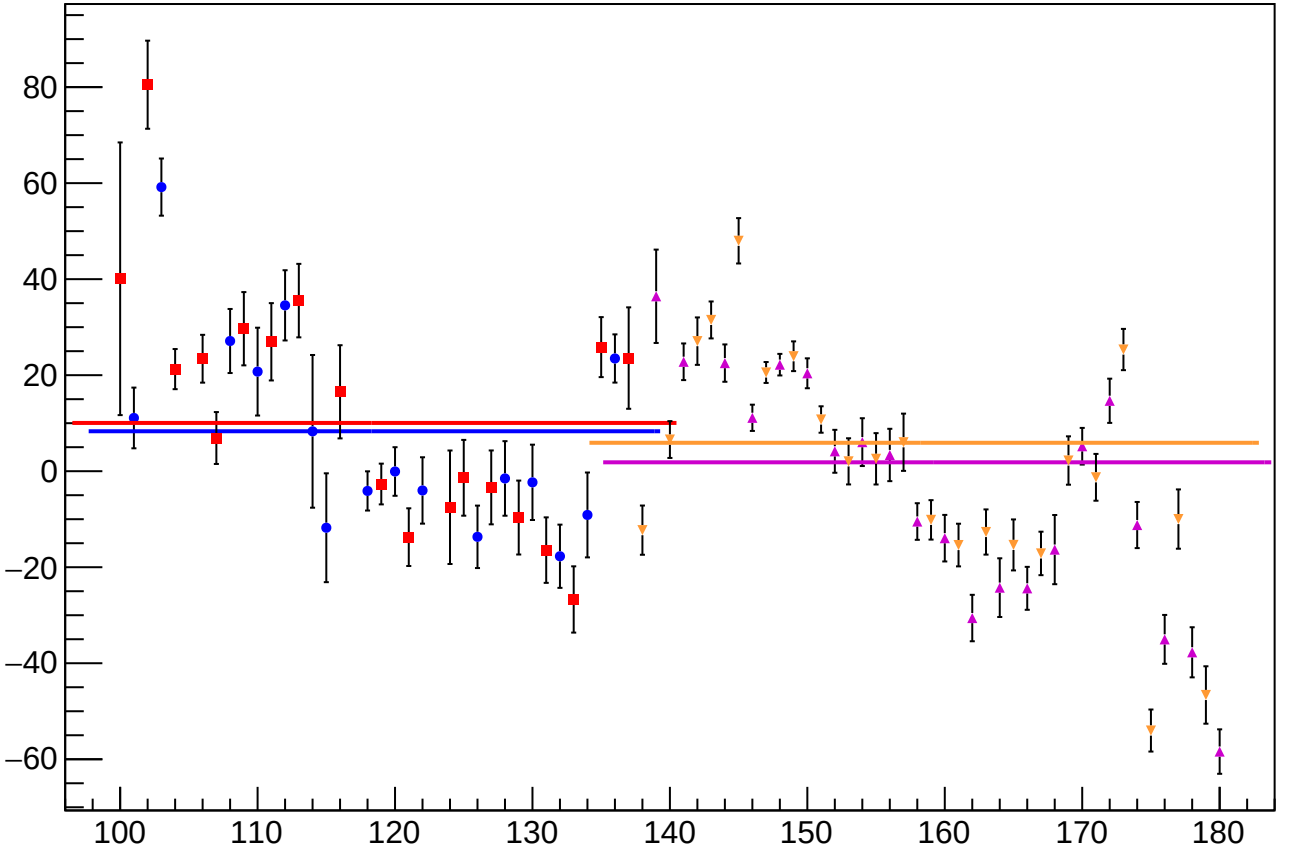
Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -252.629+/-0.992 χ^2/NDF:3271.0/36

Out: -246.990+/-0.969 χ^2/NDF:3871.9/40

All: -249.743+/-0.693 χ^2/NDF: 7159.4/77

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 5.920+/-0.879 χ^2/NDF:627.8/21

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 1.851+/-0.900 χ^2/NDF:621.3/20

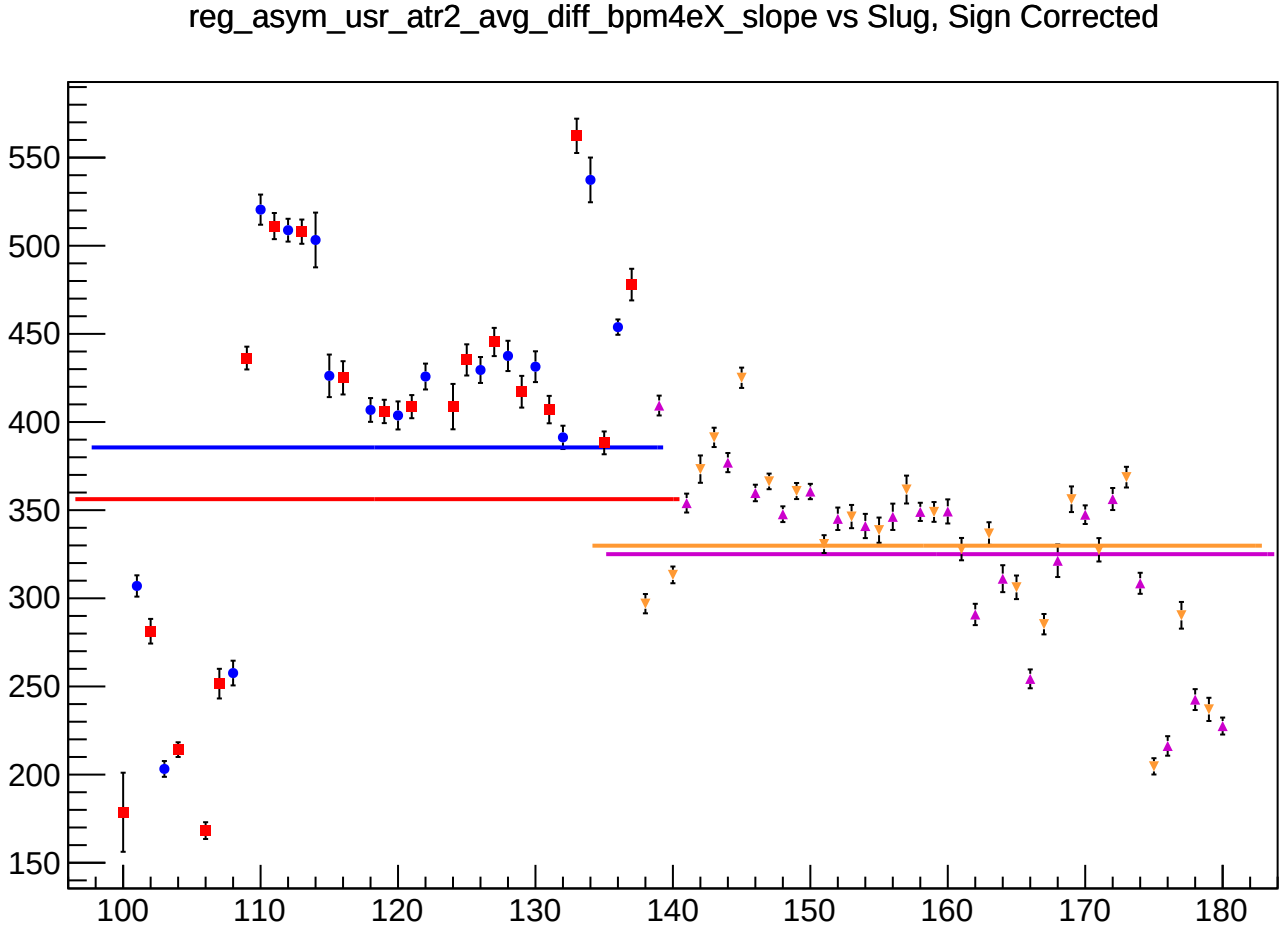
Left: 3.933+/-0.629 χ^2/NDF: 1259.5/42

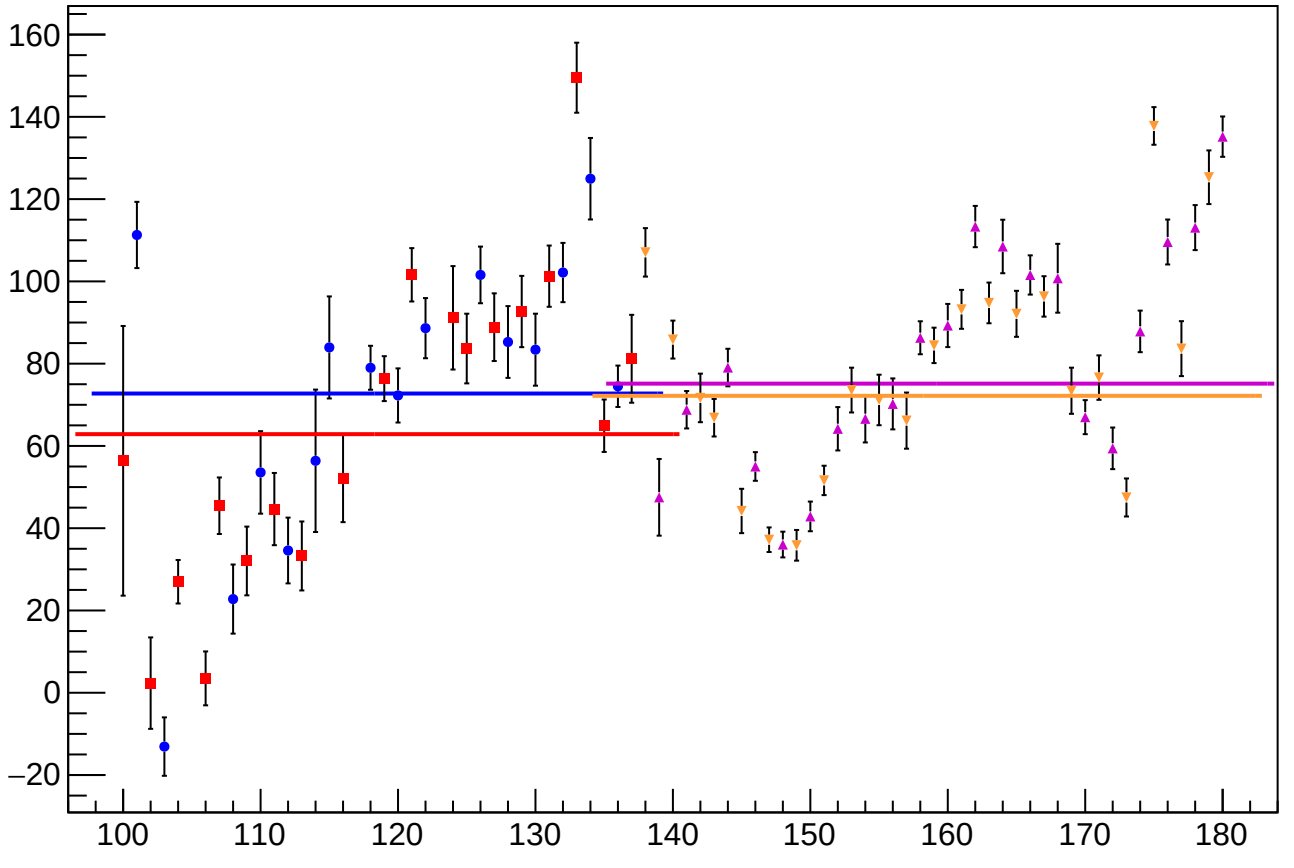
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 3.342+/-0.789 χ^2/NDF:790.8/36

Out: 6.937+/-0.763 χ^2/NDF:820.7/40

All: 5.199+/-0.549 χ^2/NDF: 1622.2/77


reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
550
500
450
400
350
300
250
200
150
100
110
120
130
140
150
160
170
180
Right In: 385.590+/-1.742 χ²/NDF: 3373.1/15
Left Out: 329.856+/-1.244 χ²/NDF:1720.2/21
Right Out: 356.245+/-1.647 χ²/NDF: 5270.3/18
Left In: 325.042+/-1.234 χ²/NDF:1801.2/20
Left: 327.430+/-0.876 χ²/NDF: 3528.9/42
Right: 370.089+/-1.197 χ²/NDF: 8793.2/34
In: 345.274+/-1.007 χ²/NDF:5978.4/36
Out: 339.444+/-0.992 χ²/NDF:7154.0/40
All: 342.316+/-0.707 χ²/NDF: 13149.5/77



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 72.183+/-1.026 χ^2/NDF:727.9/21

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 75.146+/-1.039 χ^2/NDF:685.4/20

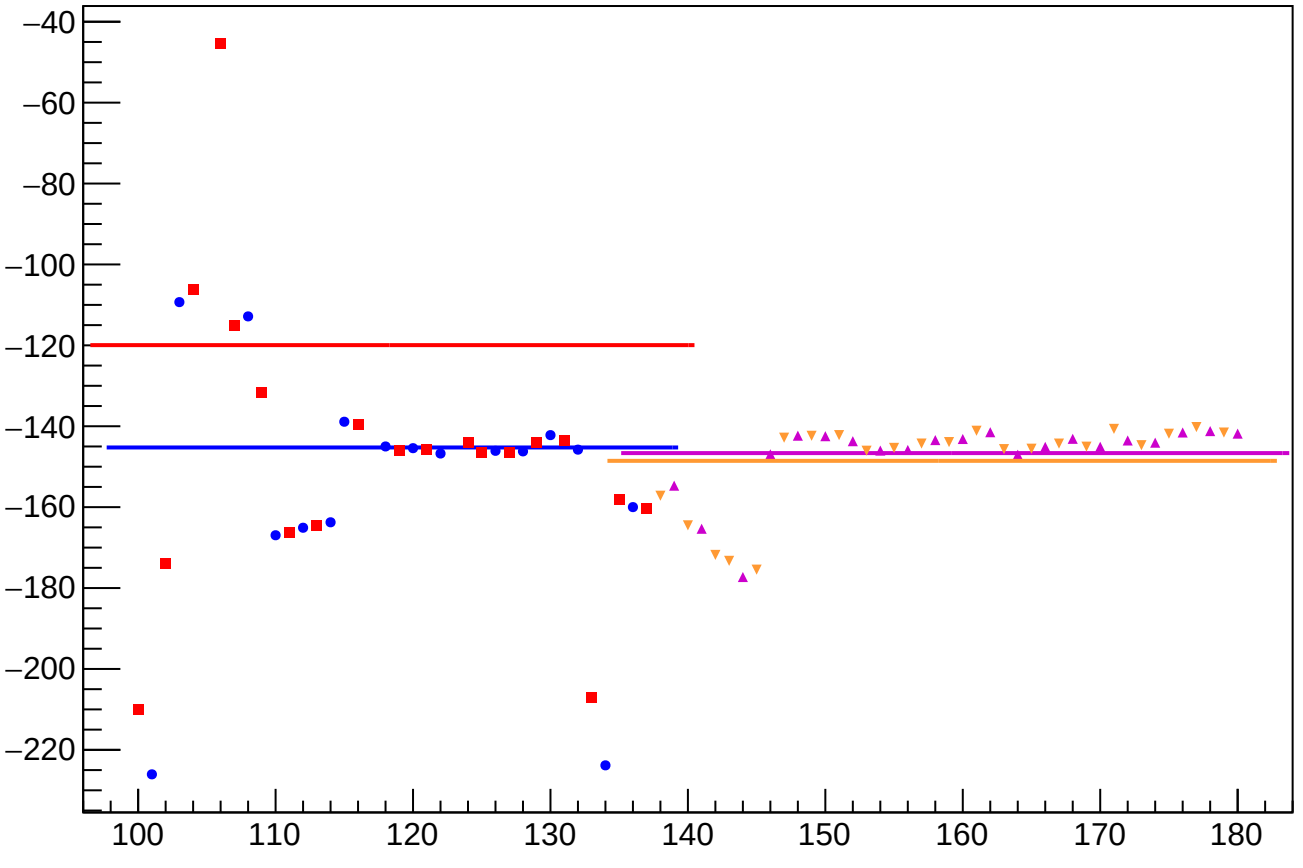
Left: 73.646+/-0.730 χ^2/NDF: 1417.5/42

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 74.591+/-0.911 χ^2/NDF:991.0/36

Out: 69.888+/-0.891 χ^2/NDF:1151.9/40

All: 72.186+/-0.637 χ^2/NDF: 2156.5/77



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.551+/-0.048 χ^2/NDF:48242.7/21

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -146.637+/-0.048 χ^2/NDF:29029.3/20

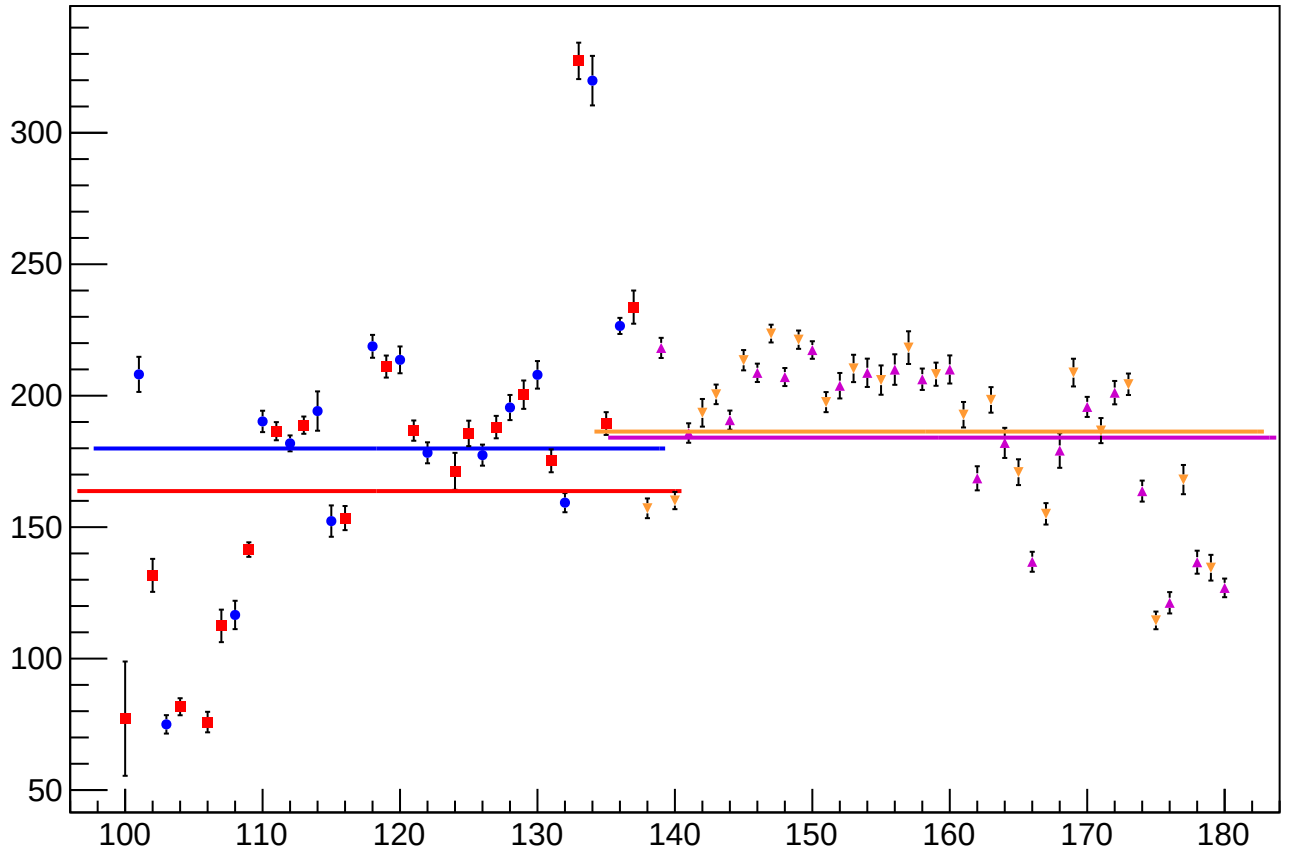
Left: -147.581+/-0.034 χ^2/NDF: 78069.5/42

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.373+/-0.043 χ^2/NDF:161248.6/36

Out: -142.049+/-0.042 χ^2/NDF:398462.7/40

All: -144.190+/-0.030 χ^2/NDF: 564857.3/77



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 186.351+/-0.908 χ^2/NDF:1200.7/21

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 184.048+/-0.905 χ^2/NDF:1222.0/20

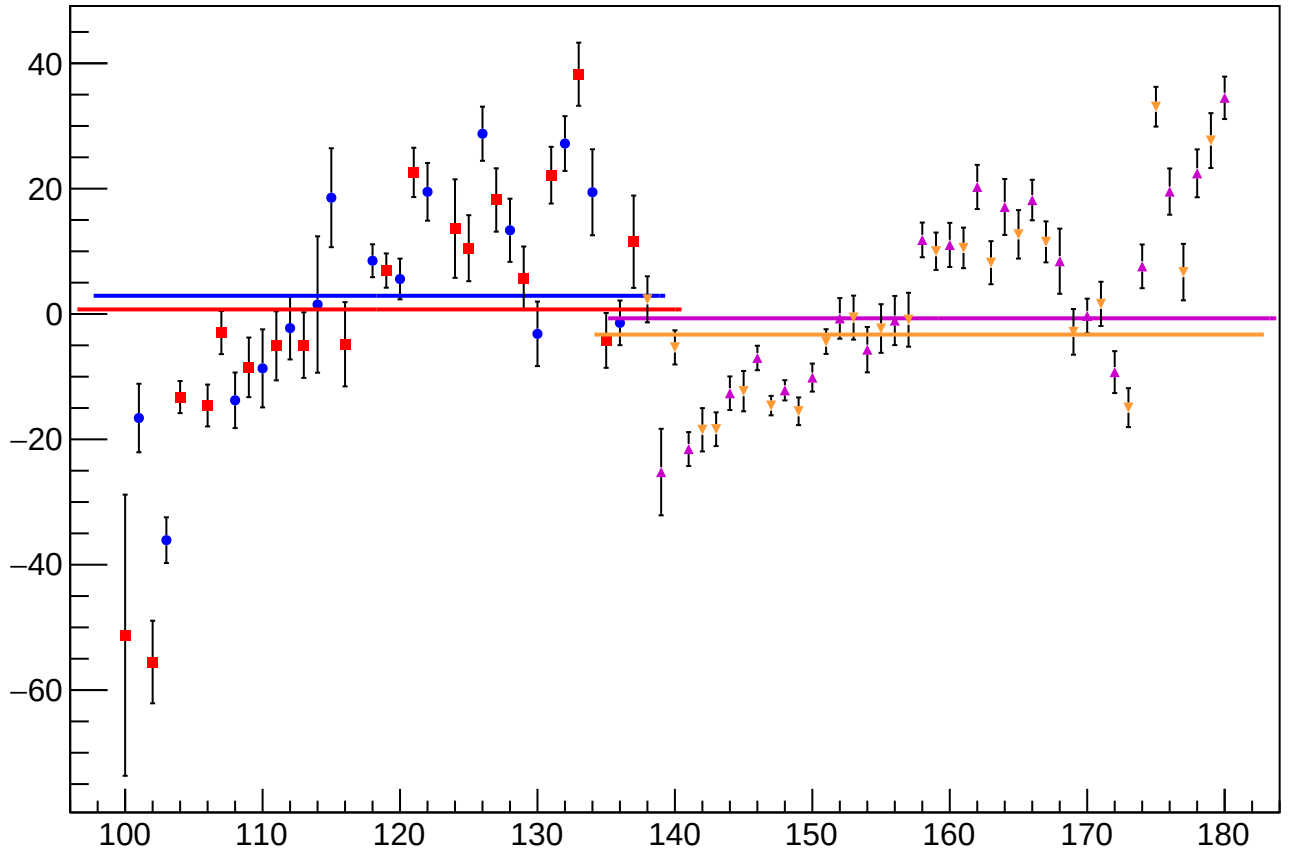
Left: 185.196+/-0.641 χ^2/NDF: 2425.9/42

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 182.360+/-0.696 χ^2/NDF:2963.1/36

Out: 176.136+/-0.672 χ^2/NDF:3898.2/40

All: 179.140+/-0.484 χ^2/NDF: 6902.7/77



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.280+/-0.630 χ^2/NDF:435.7/21

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -0.688+/-0.647 χ^2/NDF:479.5/20

Left: -2.019+/-0.452 χ^2/NDF: 923.4/42

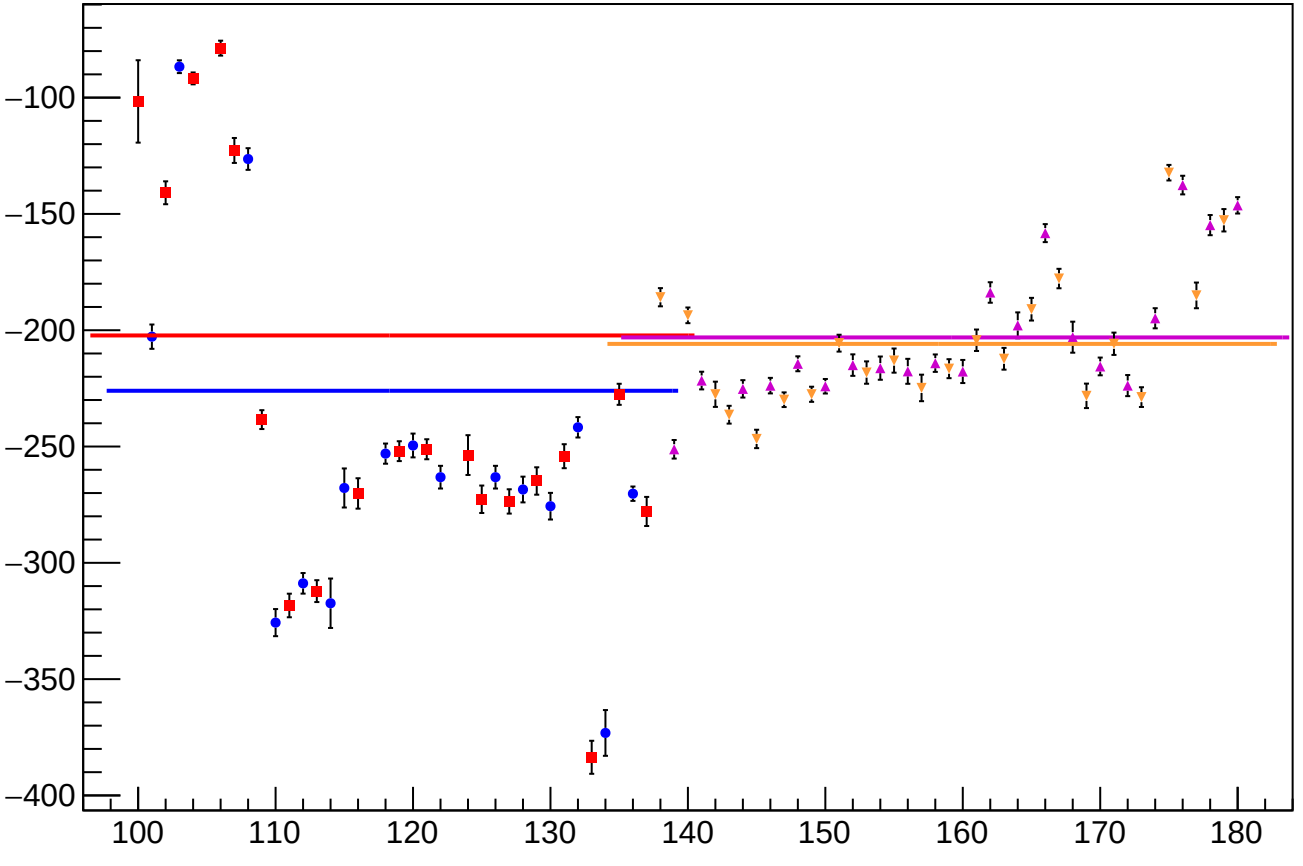
Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: 0.231+/-0.559 χ^2/NDF:734.9/36

Out: -2.160+/-0.535 χ^2/NDF:720.6/40

All: -1.016+/-0.386 χ^2/NDF: 1465.0/77

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -205.876+/-0.893 χ^2/NDF:1077.8/21

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -203.096+/-0.889 χ^2/NDF:1179.1/20

Left: -204.480+/-0.630 χ^2/NDF: 2261.8/42

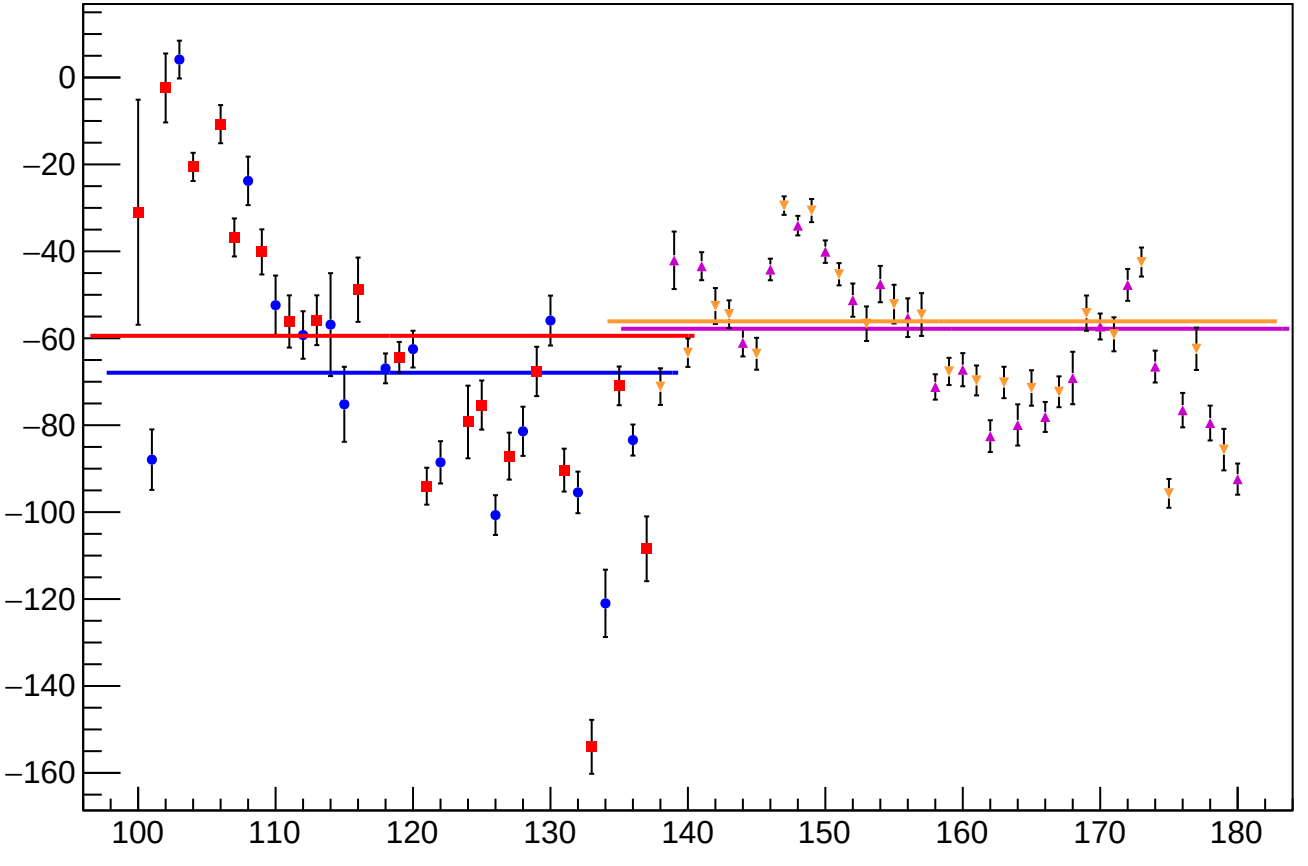
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -211.441+/-0.709 χ^2/NDF:5960.5/36

Out: -204.414+/-0.690 χ^2/NDF:7775.2/40

All: -207.833+/-0.494 χ^2/NDF: 13786.2/77

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -56.099+/-0.736 χ^2/NDF:568.4/21

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -57.811+/-0.748 χ^2/NDF:515.4/20

Left: -56.942+/-0.525 χ^2/NDF: 1086.4/42

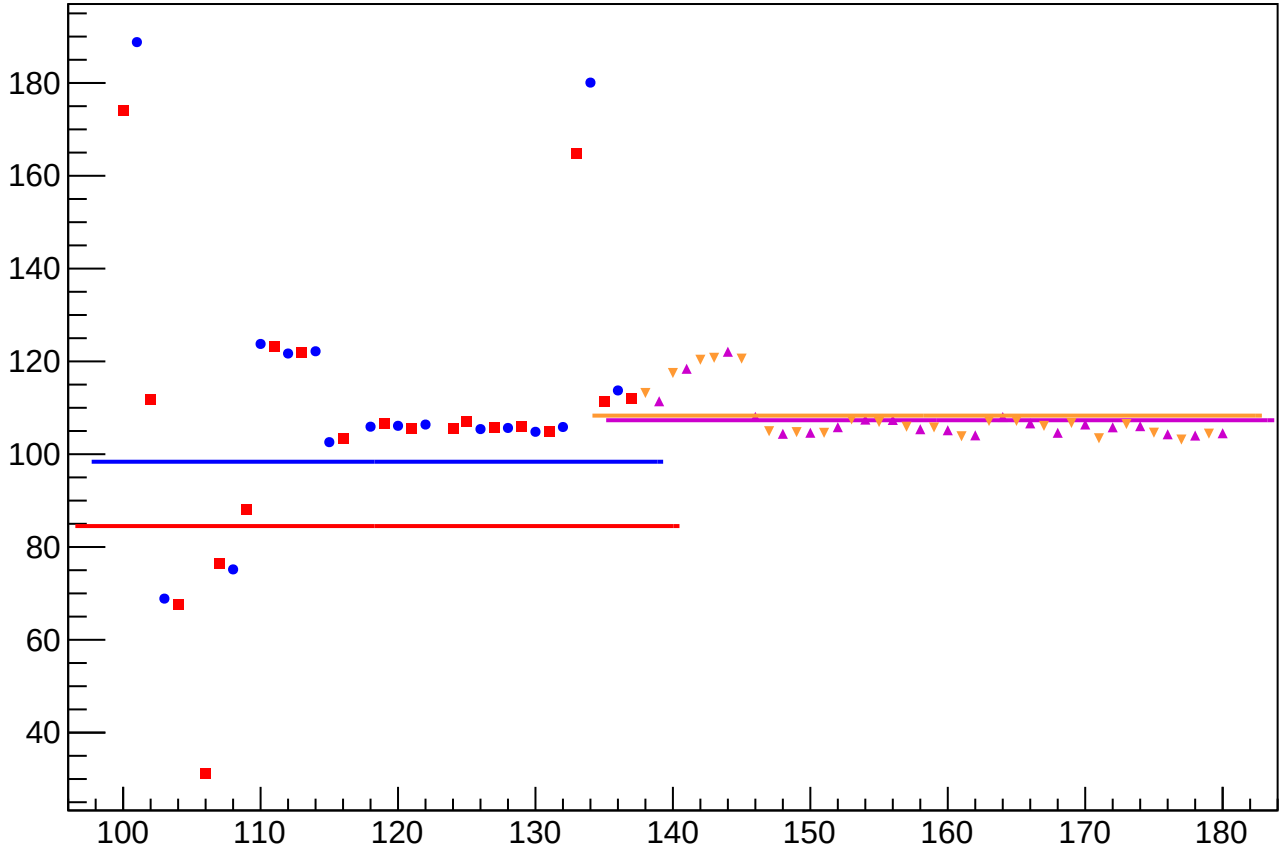
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -60.392+/-0.646 χ^2/NDF:1096.1/36

Out: -57.027+/-0.625 χ^2/NDF:1369.0/40

All: -58.656+/-0.449 χ^2/NDF: 2479.1/77

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: 108.316+/-0.035 χ^2/NDF:26060.4/21

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.319+/-0.034 χ^2/NDF:16773.6/20

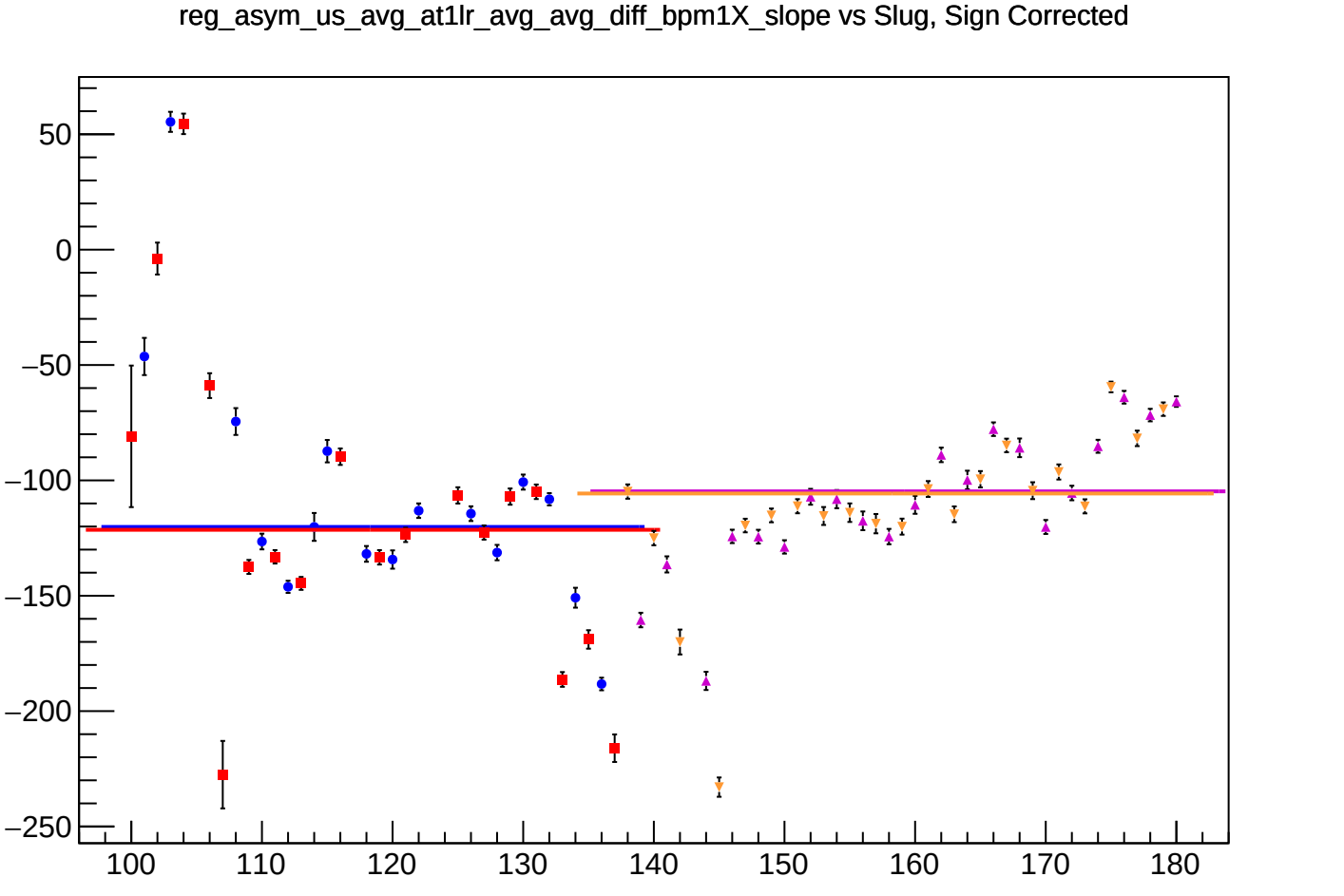
Left: 107.812+/-0.024 χ^2/NDF: 43251.2/42

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.420+/-0.030 χ^2/NDF:259634.7/36

Out: 102.446+/-0.030 χ^2/NDF:411101.1/40

All: 103.917+/-0.021 χ^2/NDF: 675563.9/77



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -105.688+/-0.718 χ^2/NDF:1858.5/20

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -104.755+/-0.691 χ^2/NDF:1896.9/20

Left: -105.203+/-0.498 χ^2/NDF: 3756.3/41

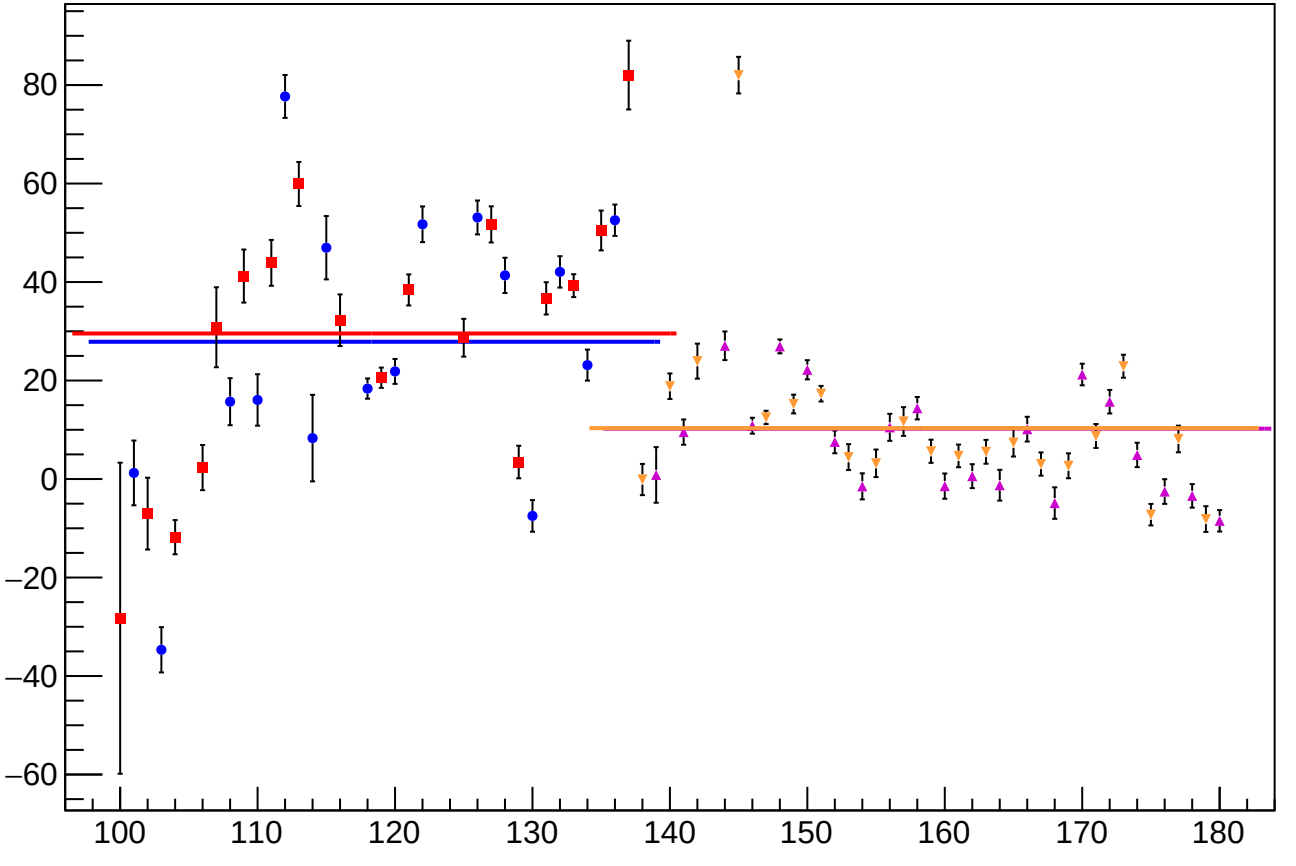
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -110.549+/-0.546 χ^2/NDF:4775.4/36

Out: -112.019+/-0.555 χ^2/NDF:5177.8/38

All: -111.271+/-0.389 χ^2/NDF: 9956.7/75

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 10.328+/-0.509 χ^2/NDF:627.4/20

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 10.224+/-0.508 χ^2/NDF:478.3/20

Left: 10.276+/-0.360 χ^2/NDF: 1105.7/41

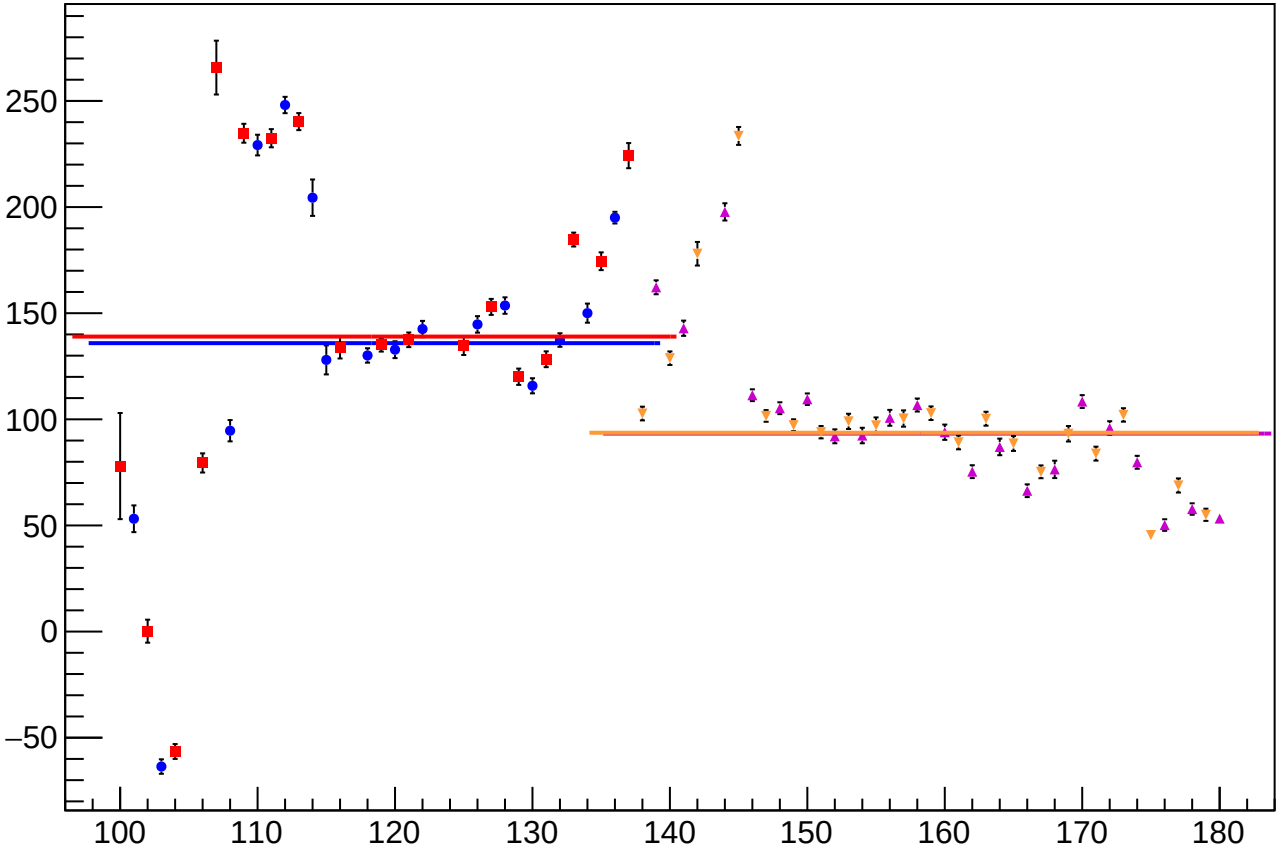
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 14.574+/-0.441 χ^2/NDF:1475.4/36

Out: 15.072+/-0.442 χ^2/NDF:1476.6/38

All: 14.822+/-0.312 χ^2/NDF: 2952.6/75

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: 93.691+/-0.704 χ^2/NDF:2218.0/20

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 93.282+/-0.679 χ^2/NDF:2328.4/20

Left: 93.479+/-0.489 χ^2/NDF: 4546.5/41

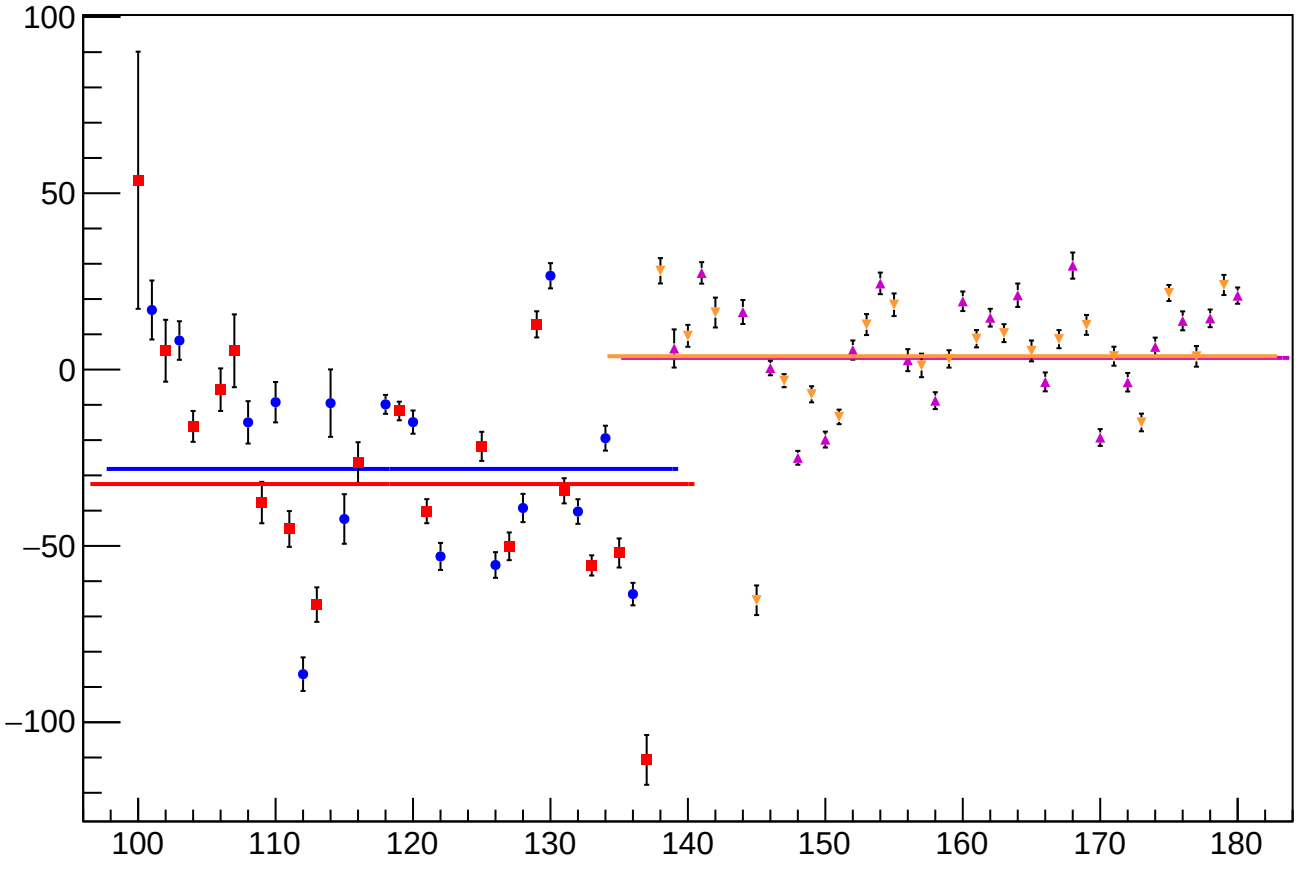
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 106.745+/-0.561 χ^2/NDF:9037.0/36

Out: 108.727+/-0.575 χ^2/NDF:9749.7/38

All: 107.712+/-0.402 χ^2/NDF: 18792.8/75

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: 3.780+/-0.586 χ^2/NDF:657.4/20

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 3.318+/-0.579 χ^2/NDF:799.2/20

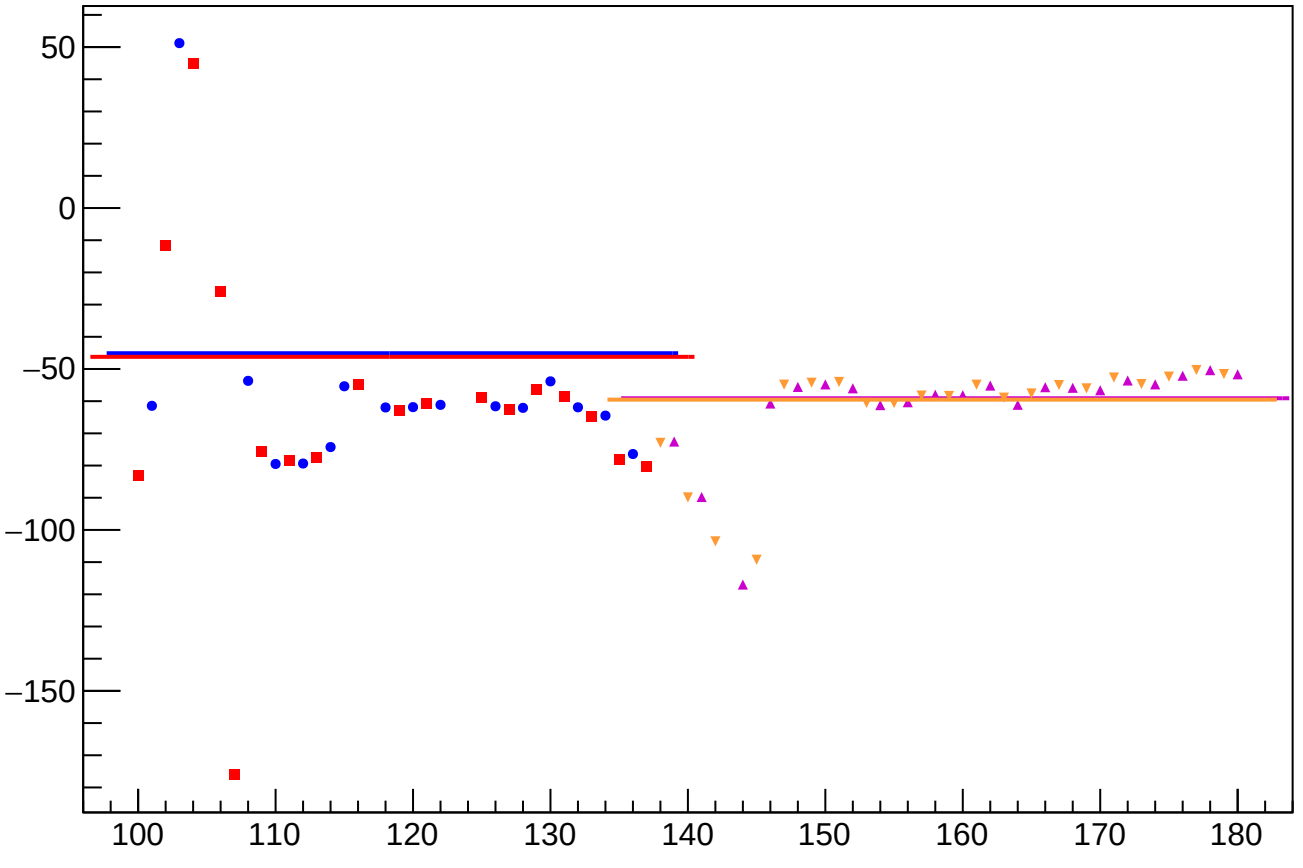
Left: 3.546+/-0.412 χ^2/NDF: 1456.9/41

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -4.329+/-0.504 χ^2/NDF:2309.1/36

Out: -5.107+/-0.509 χ^2/NDF:2177.3/38

All: -4.714+/-0.358 χ^2/NDF: 4487.6/75



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.523+/-0.027 χ^2/NDF:213149.1/20

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -59.094+/-0.026 χ^2/NDF:182467.7/20

Left: -59.301+/-0.019 χ^2/NDF: 395748.2/41

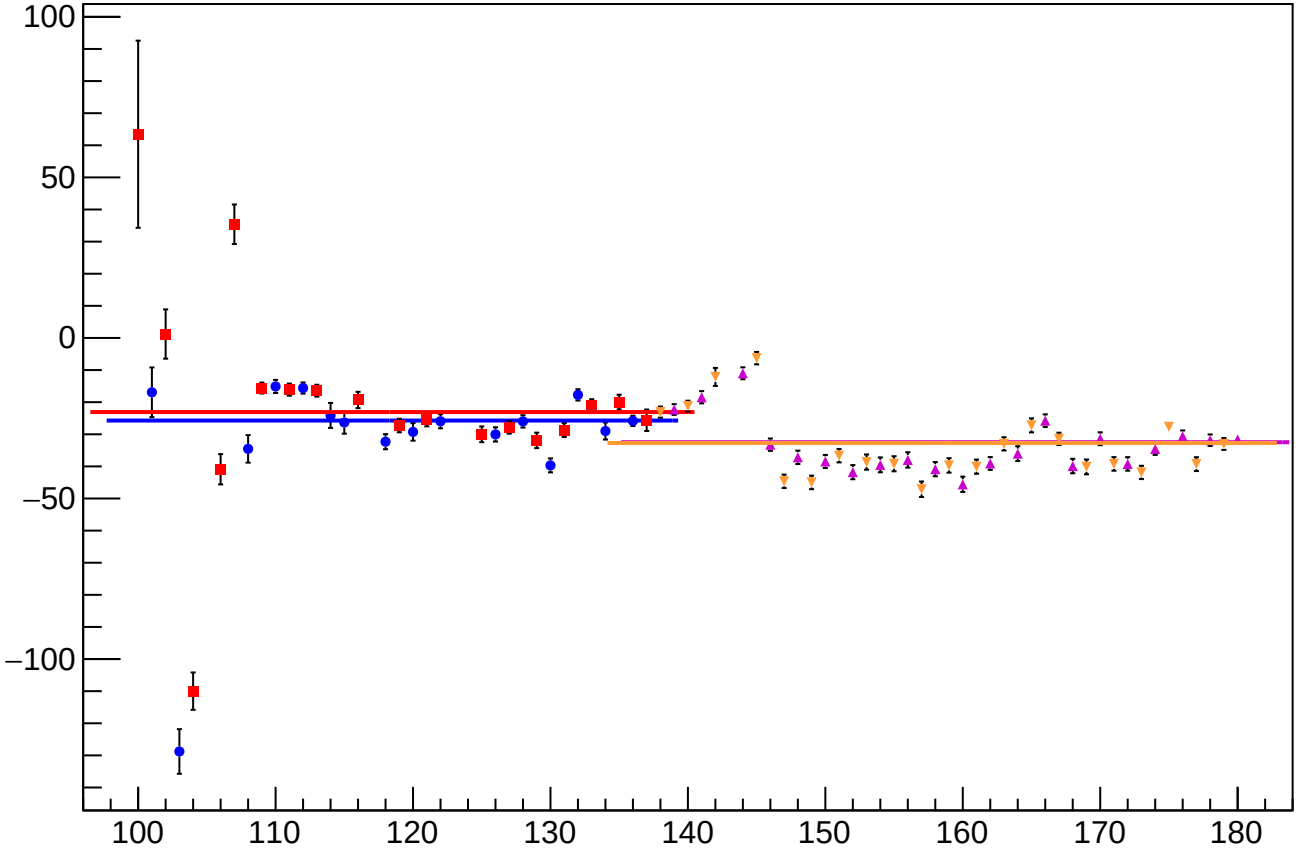
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -56.882+/-0.024 χ^2/NDF:803205.0/36

Out: -57.451+/-0.025 χ^2/NDF:744851.2/38

All: -57.157+/-0.017 χ^2/NDF: 1548329.9/75

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.710+/-0.448 χ^2/NDF:522.5/20

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.473+/-0.433 χ^2/NDF:364.3/20

Left: -32.587+/-0.311 χ^2/NDF: 886.9/41

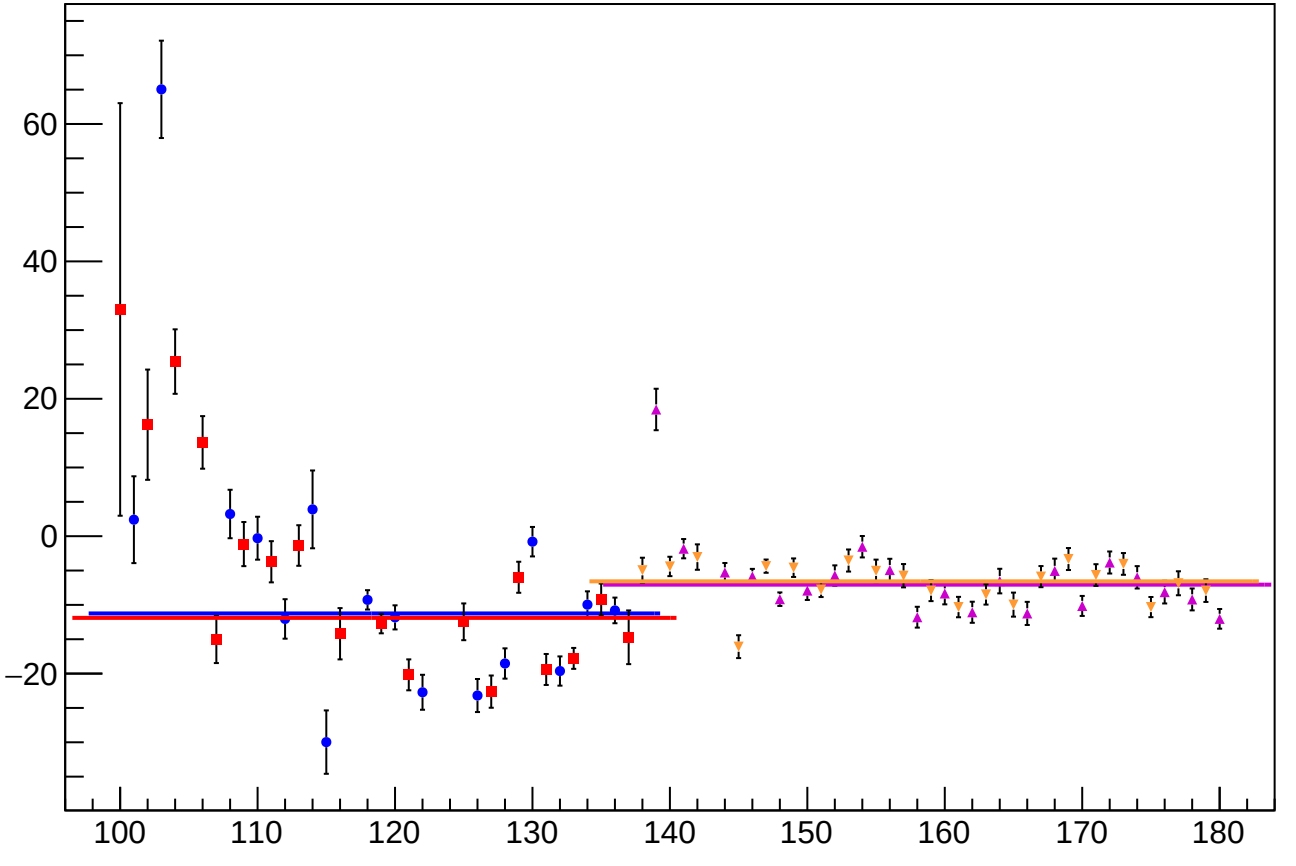
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.109+/-0.349 χ^2/NDF:812.3/36

Out: -29.124+/-0.355 χ^2/NDF:1131.6/38

All: -29.625+/-0.249 χ^2/NDF: 1947.8/75

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: -6.571+/-0.325 χ^2/NDF:79.7/20

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -7.055+/-0.324 χ^2/NDF:156.3/20

Left: -6.814+/-0.230 χ^2/NDF: 237.1/41

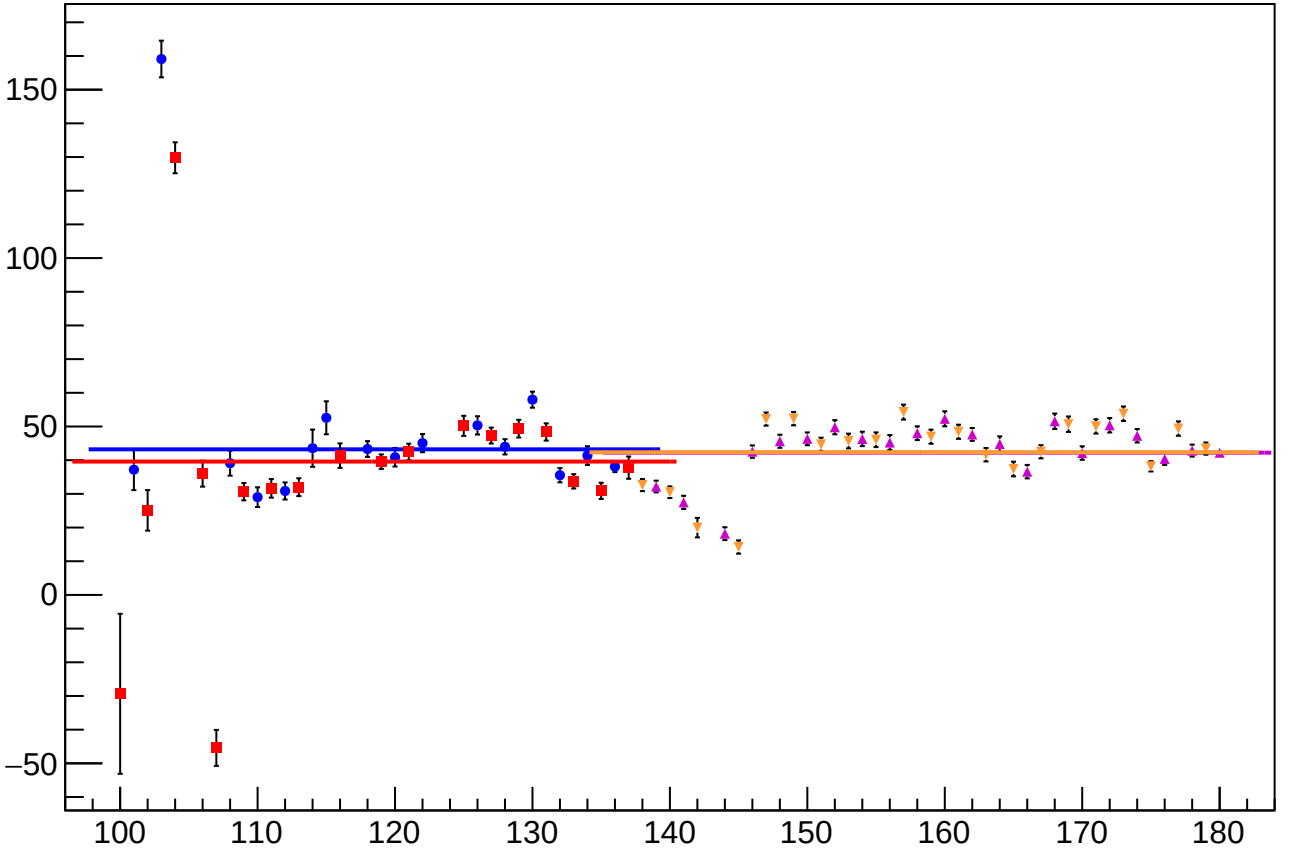
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.003+/-0.285 χ^2/NDF:465.2/36

Out: -7.757+/-0.287 χ^2/NDF:363.8/38

All: -7.880+/-0.202 χ^2/NDF: 829.3/75

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: 42.334+/-0.441 χ^2/NDF:515.4/20

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.232+/-0.427 χ^2/NDF:358.3/20

Left: 42.281+/-0.307 χ^2/NDF: 873.7/41

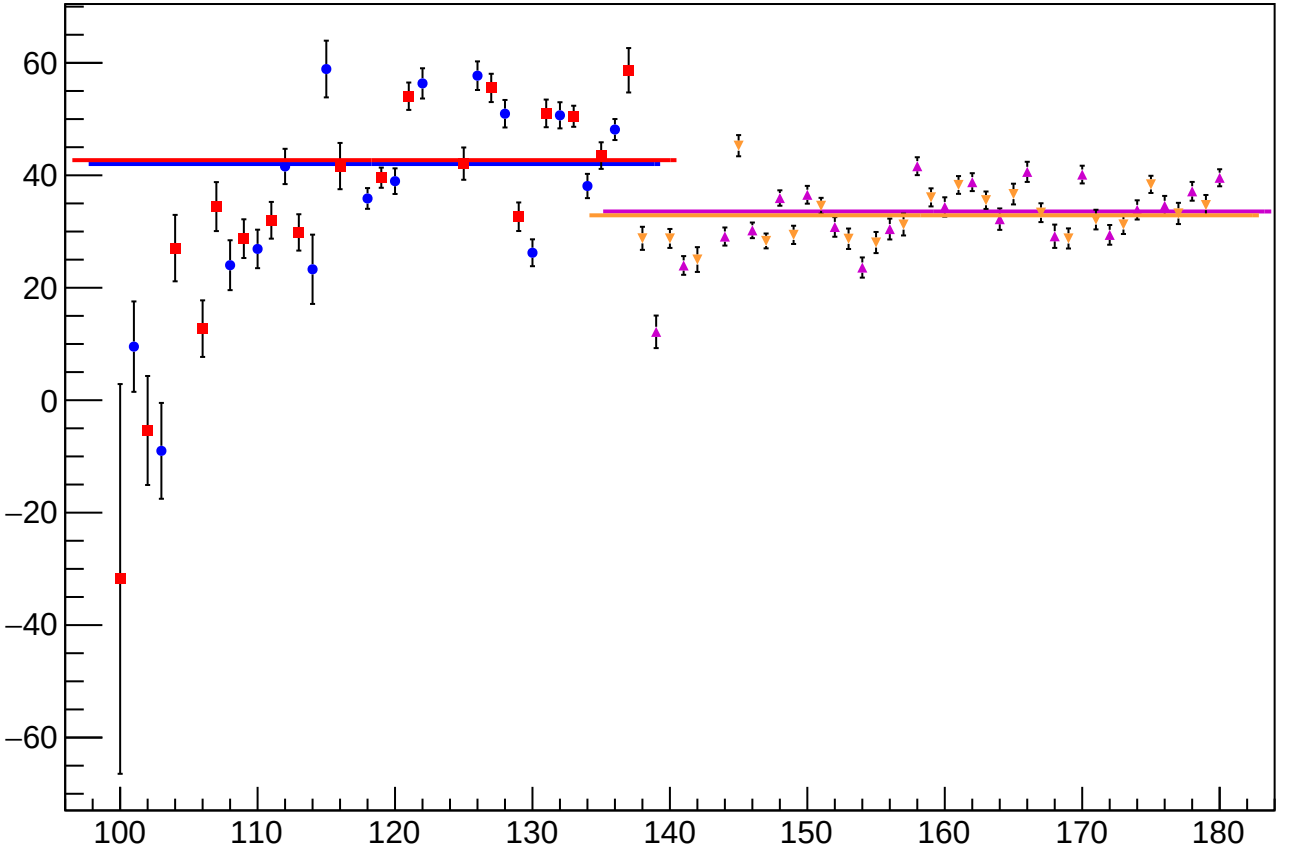
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.513+/-0.361 χ^2/NDF:935.8/36

Out: 41.530+/-0.371 χ^2/NDF:1280.8/38

All: 42.034+/-0.259 χ^2/NDF: 2220.2/75

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: 32.885+/-0.372 χ^2/NDF:139.6/20

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 33.567+/-0.368 χ^2/NDF:244.8/20

Left: 33.229+/-0.262 χ^2/NDF: 386.1/41

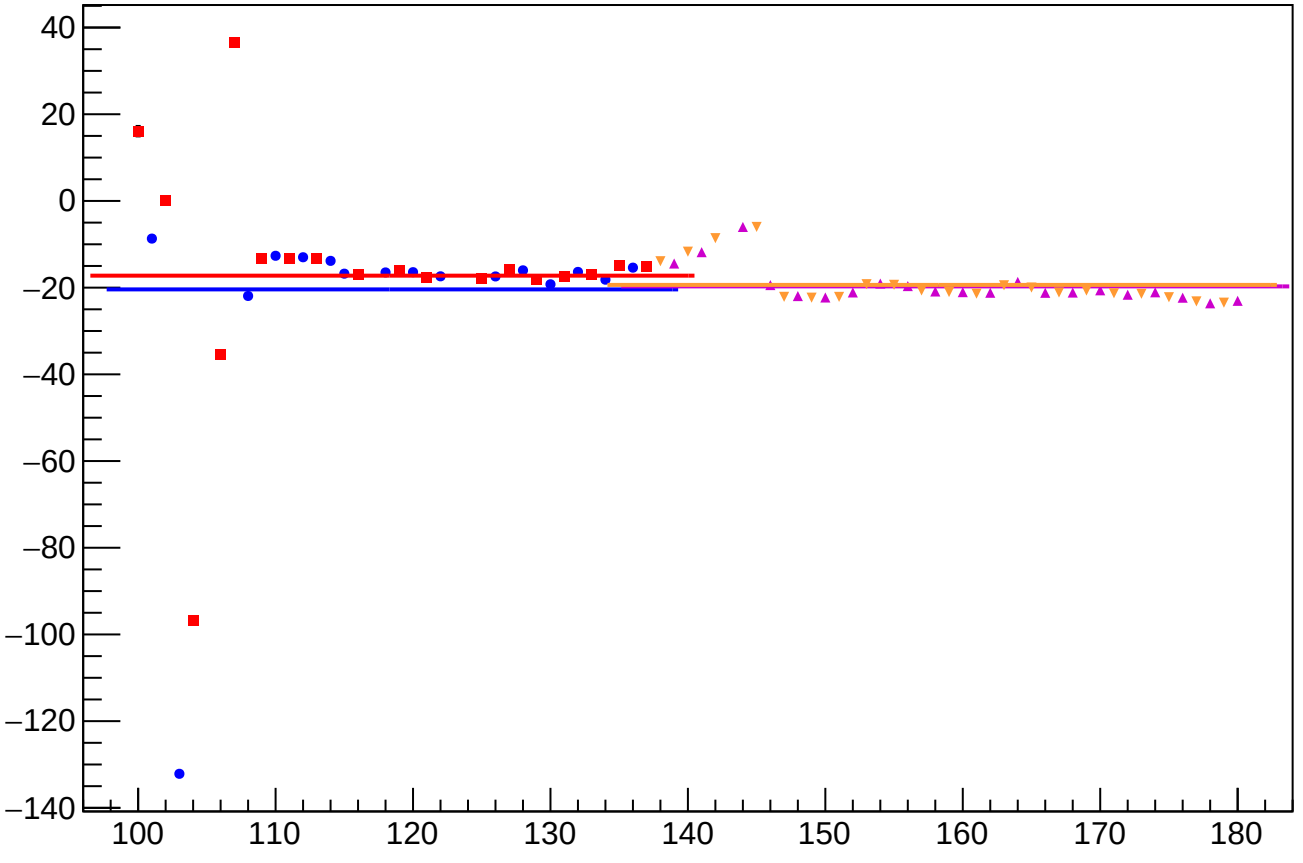
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.464+/-0.324 χ^2/NDF:635.6/36

Out: 35.068+/-0.328 χ^2/NDF:525.0/38

All: 35.268+/-0.230 χ^2/NDF: 1161.3/75

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: -19.370+/-0.017 χ^2/NDF:67632.1/20

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.712+/-0.016 χ^2/NDF:53995.9/20

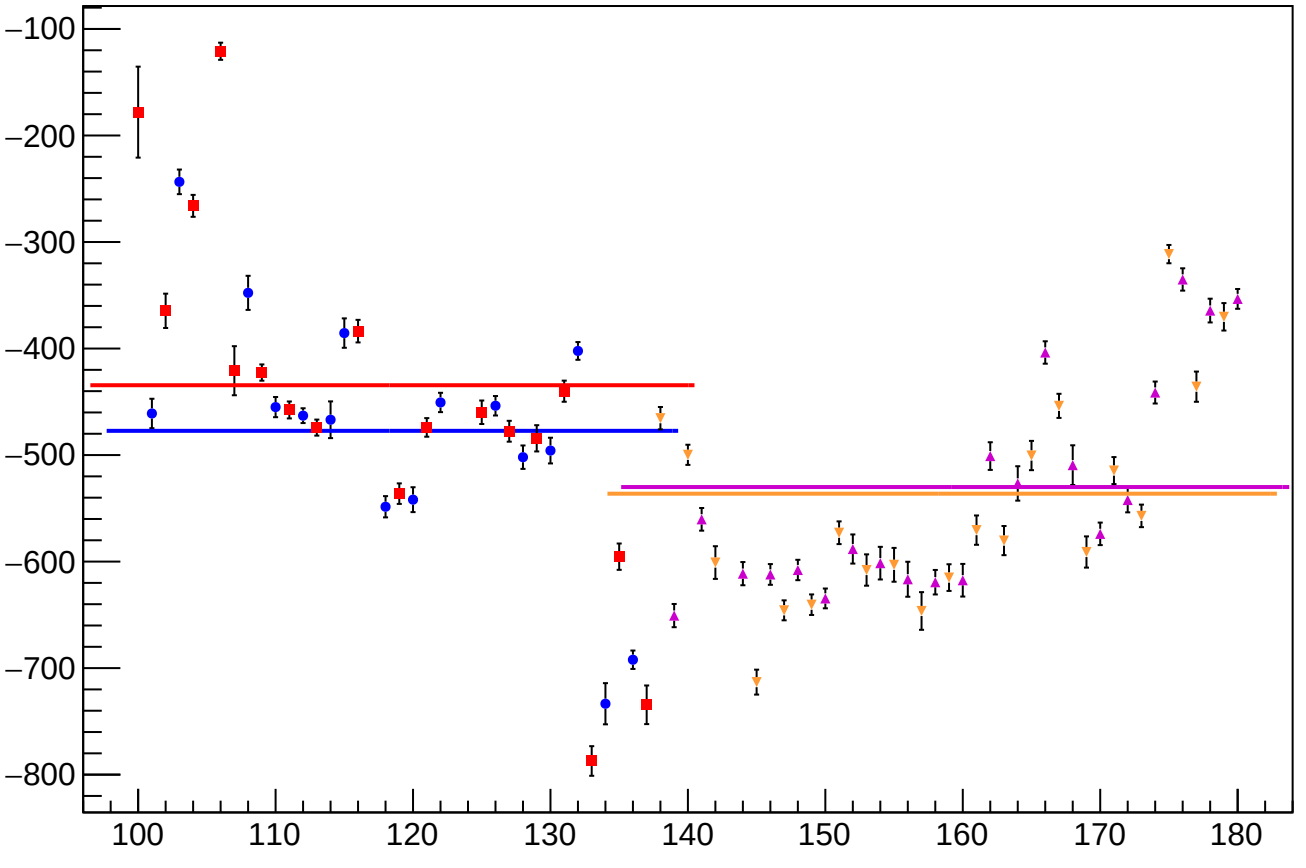
Left: -19.546+/-0.012 χ^2/NDF: 121842.7/41

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.804+/-0.015 χ^2/NDF:299844.8/36

Out: -19.100+/-0.016 χ^2/NDF:274334.5/38

All: -19.463+/-0.011 χ^2/NDF: 575217.9/75



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -536.258+/-2.591 χ^2/NDF:1689.4/20

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -530.010+/-2.499 χ^2/NDF:1780.5/20

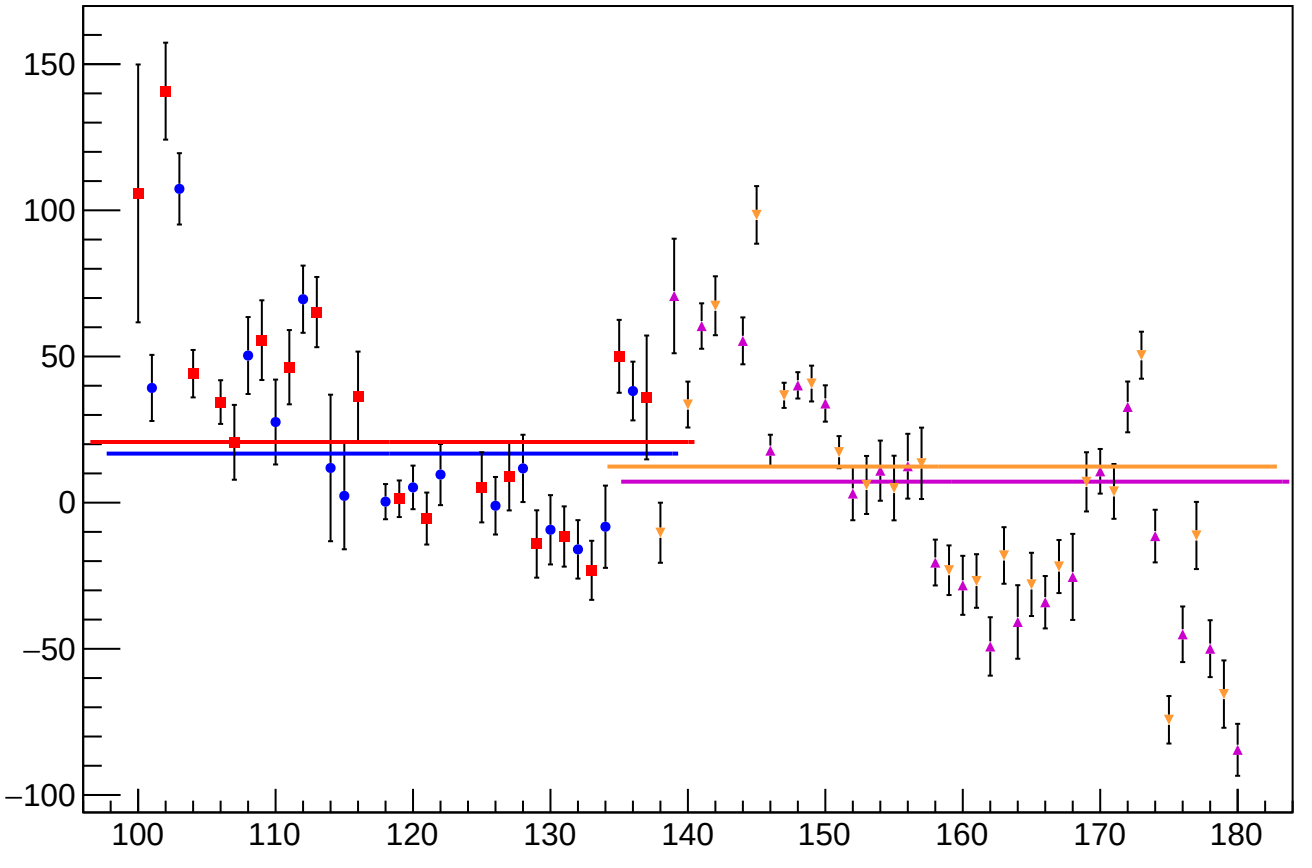
Left: -533.022+/-1.799 χ^2/NDF: 3472.8/41

Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -505.006+/-1.813 χ^2/NDF:3502.4/36

Out: -482.786+/-1.785 χ^2/NDF:5662.2/38

All: -493.727+/-1.272 χ^2/NDF: 9240.9/75



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 12.344+/-1.800 χ^2/NDF:434.2/20

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 7.179+/-1.797 χ^2/NDF:451.4/20

Left: 9.757+/-1.272 χ^2/NDF: 889.6/41

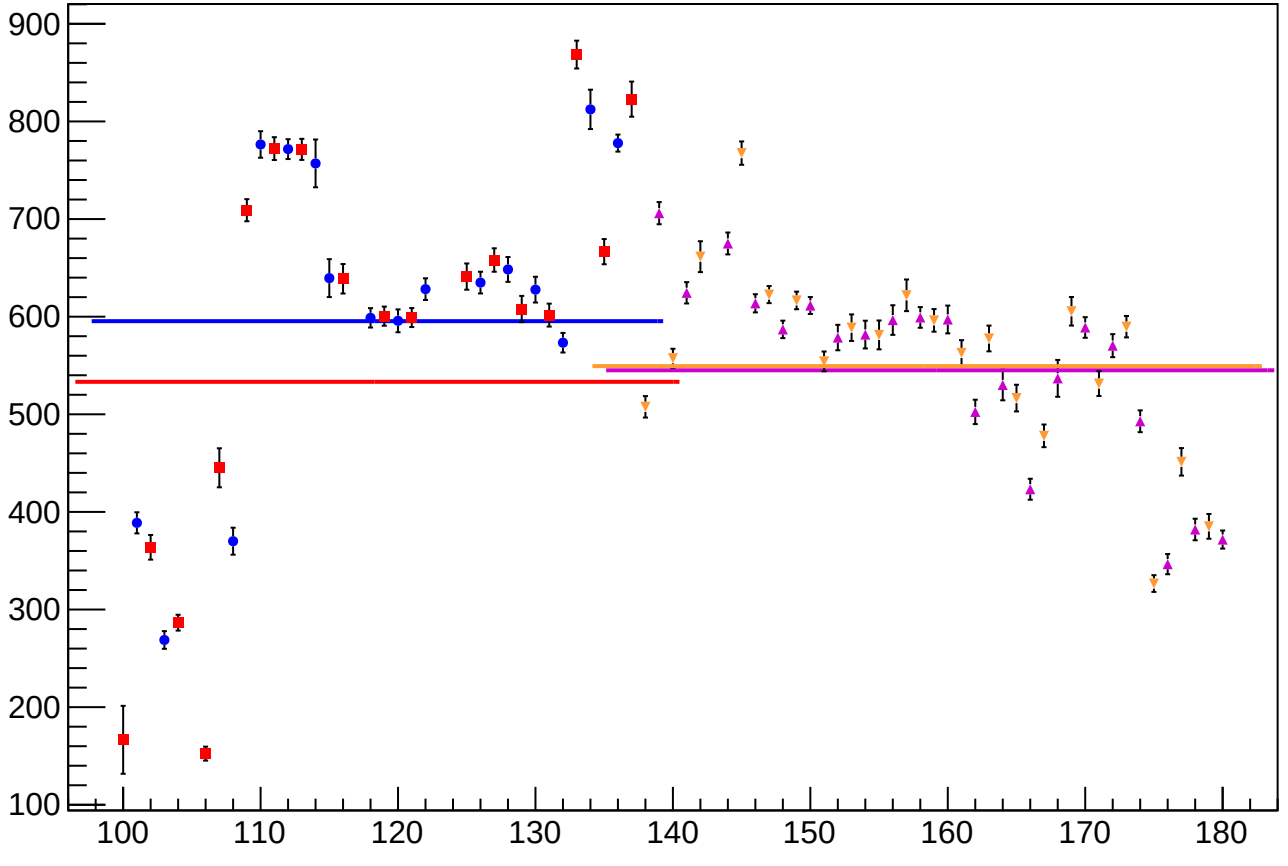
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 10.196+/-1.488 χ^2/NDF:585.3/36

Out: 15.142+/-1.470 χ^2/NDF:599.3/38

All: 12.698+/-1.046 χ^2/NDF: 1190.2/75

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: 549.376+/-2.543 χ^2/NDF:1545.4/20

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 545.092+/-2.456 χ^2/NDF:1709.8/20

Left: 547.160+/-1.767 χ^2/NDF: 3256.6/41

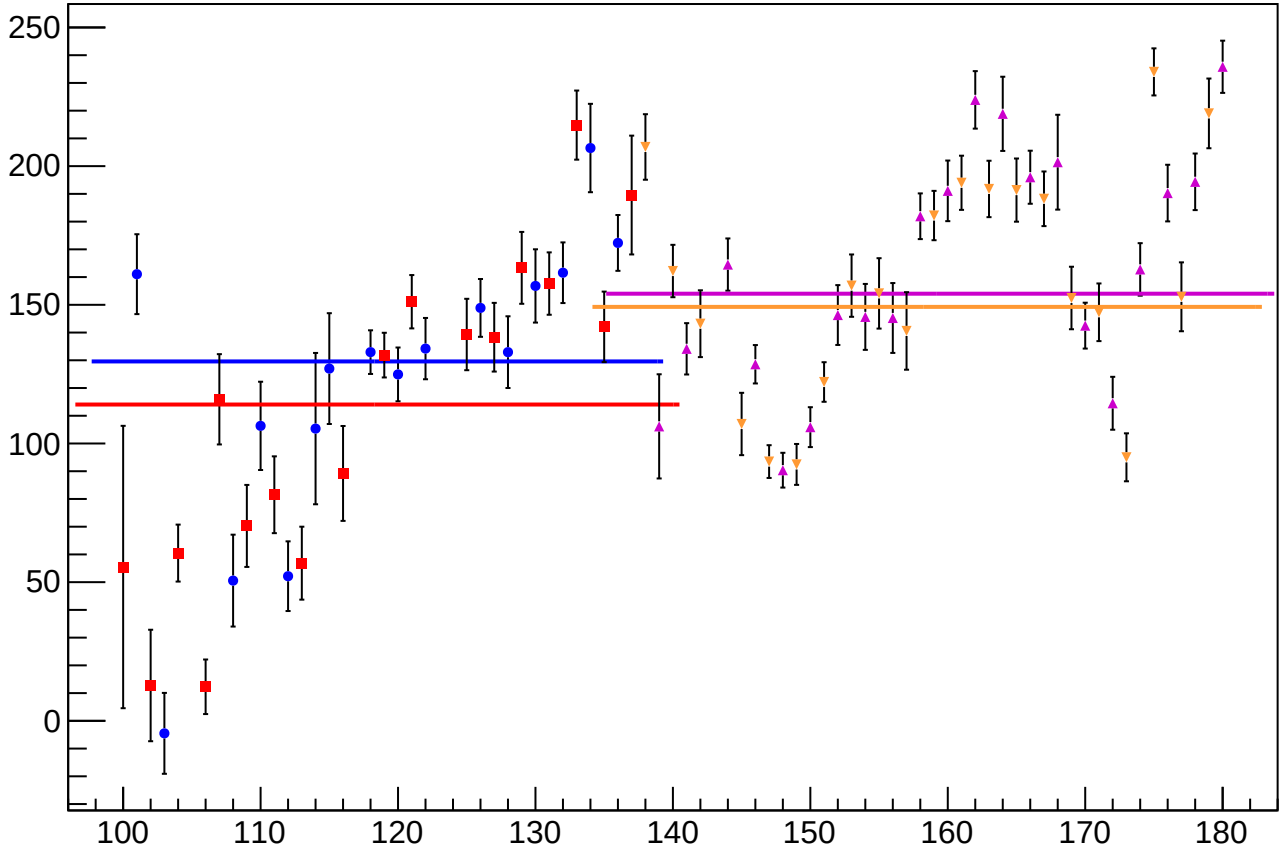
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 565.862+/-1.882 χ^2/NDF:4942.7/36

Out: 541.947+/-1.866 χ^2/NDF:8066.7/38

All: 553.799+/-1.325 χ^2/NDF: 13090.9/75

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: 149.254+/-2.098 χ^2/NDF:455.5/20

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 154.007+/-2.072 χ^2/NDF:417.9/20

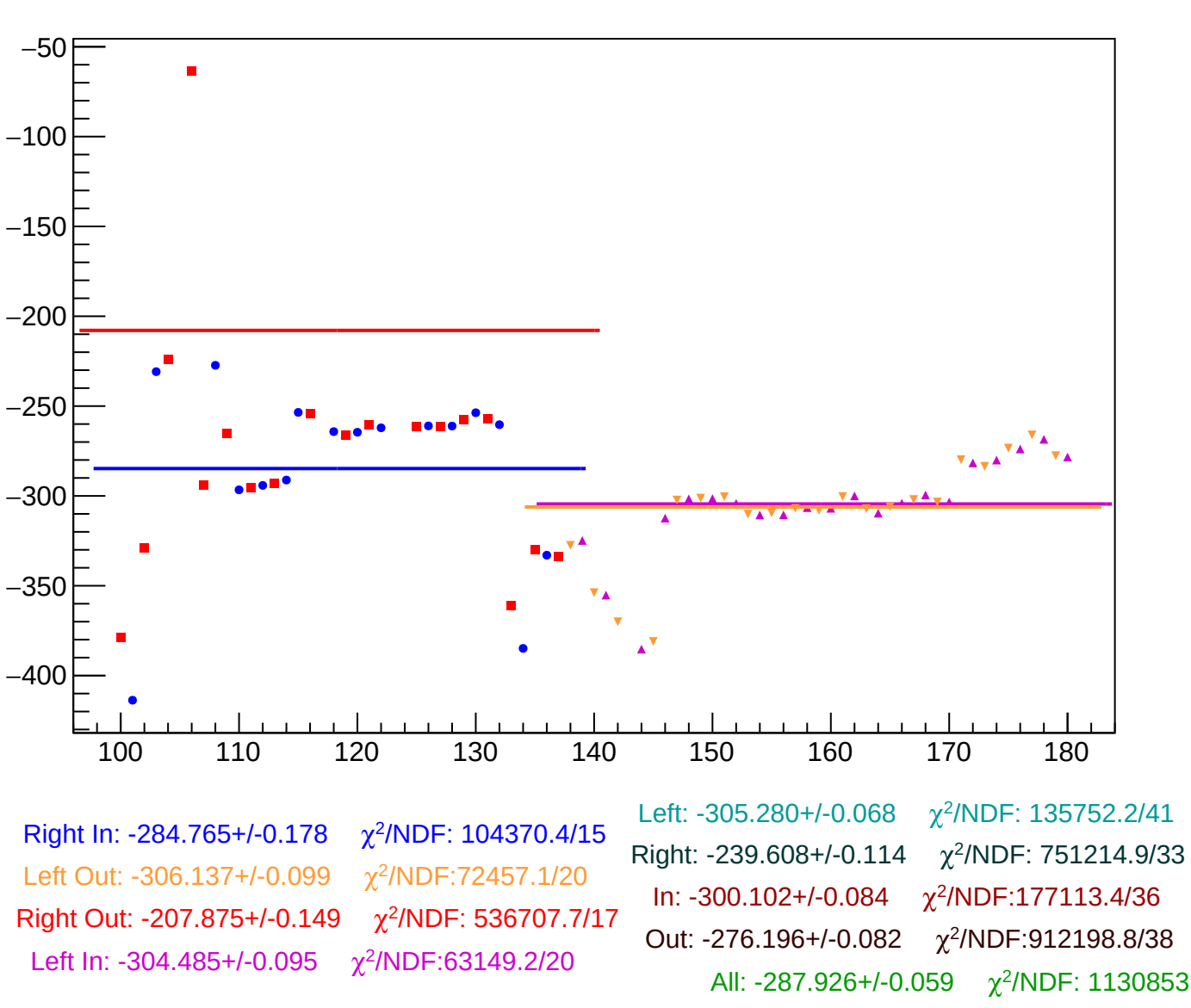
Left: 151.661+/-1.474 χ^2/NDF: 875.9/41

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

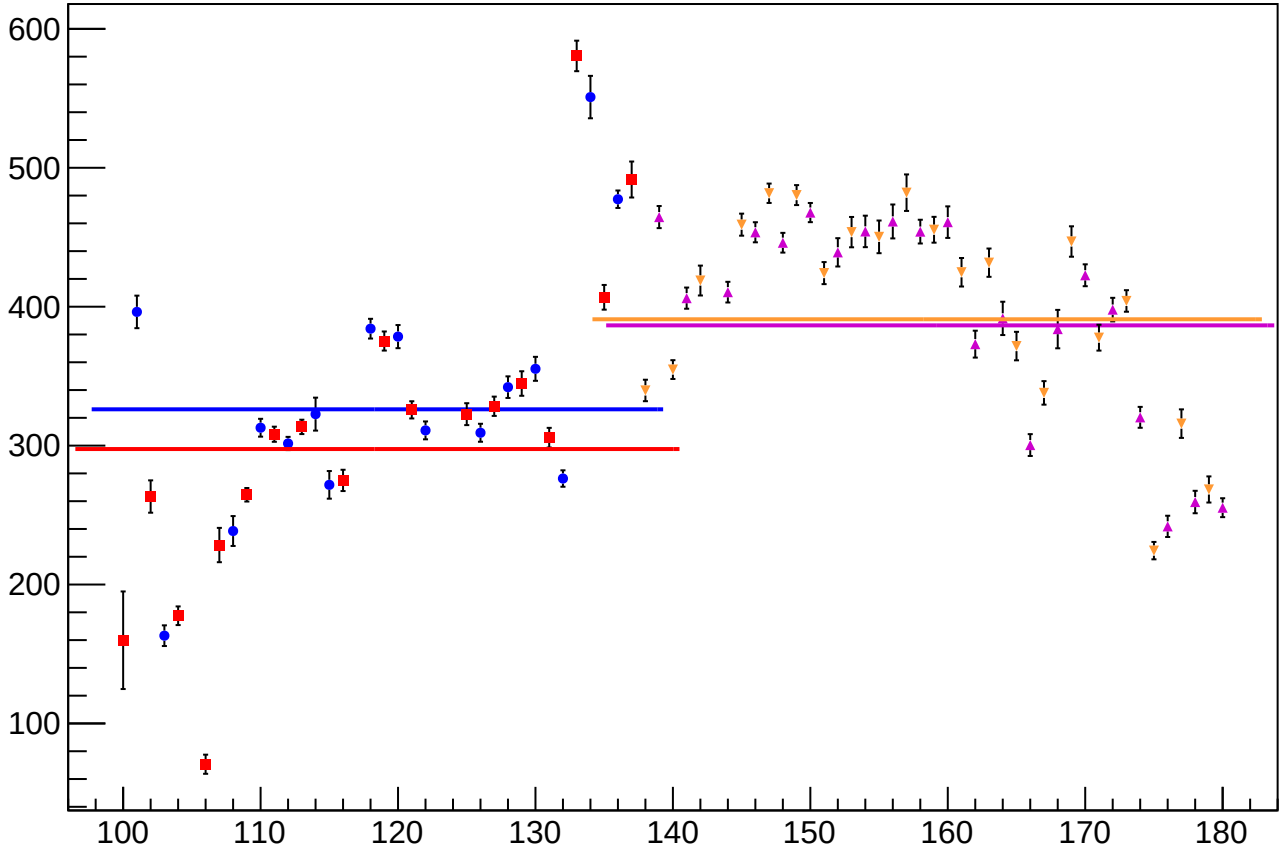
In: 146.403+/-1.719 χ^2/NDF:672.4/36

Out: 137.564+/-1.715 χ^2/NDF:884.9/38

All: 141.973+/-1.214 χ^2/NDF: 1570.5/75


reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
160
170
180
Right In: -284.765+/-0.178 χ²/NDF: 104370.4/15
Left Out: -306.137+/-0.099 χ²/NDF:72457.1/20
Right Out: -207.875+/-0.149 χ²/NDF: 536707.7/17
Left In: -304.485+/-0.095 χ²/NDF:63149.2/20
Left: -305.280+/-0.068 χ²/NDF: 135752.2/41
Right: -239.608+/-0.114 χ²/NDF: 751214.9/33
In: -300.102+/-0.084 χ²/NDF:177113.4/36
Out: -276.196+/-0.082 χ²/NDF:912198.8/38
All: -287.926+/-0.059 χ²/NDF: 1130853.1/75

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: 390.946+/-1.899 χ^2/NDF:1681.0/20

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 386.560+/-1.834 χ^2/NDF:1812.0/20

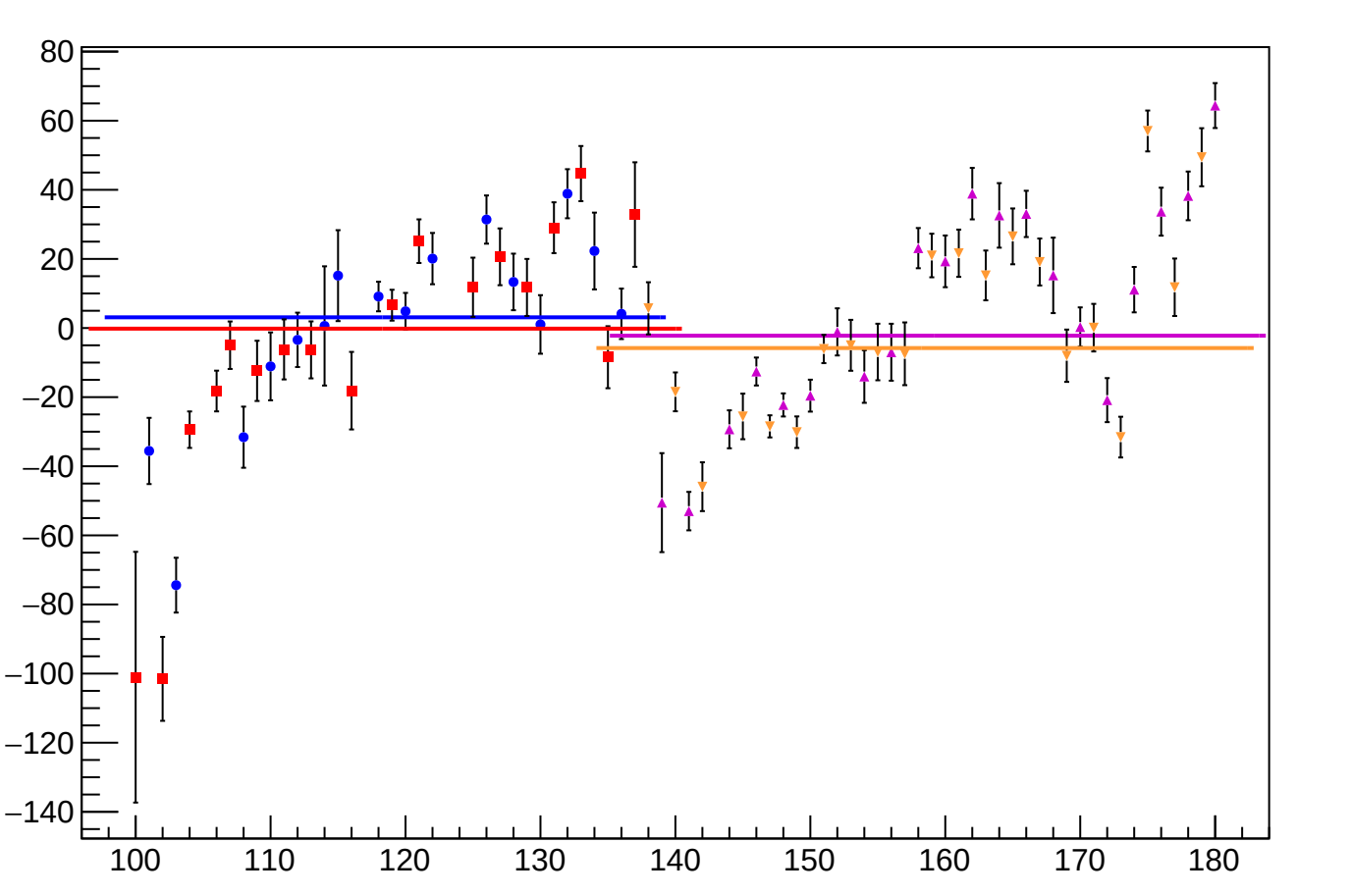
Left: 388.677+/-1.319 χ^2/NDF: 3495.7/41

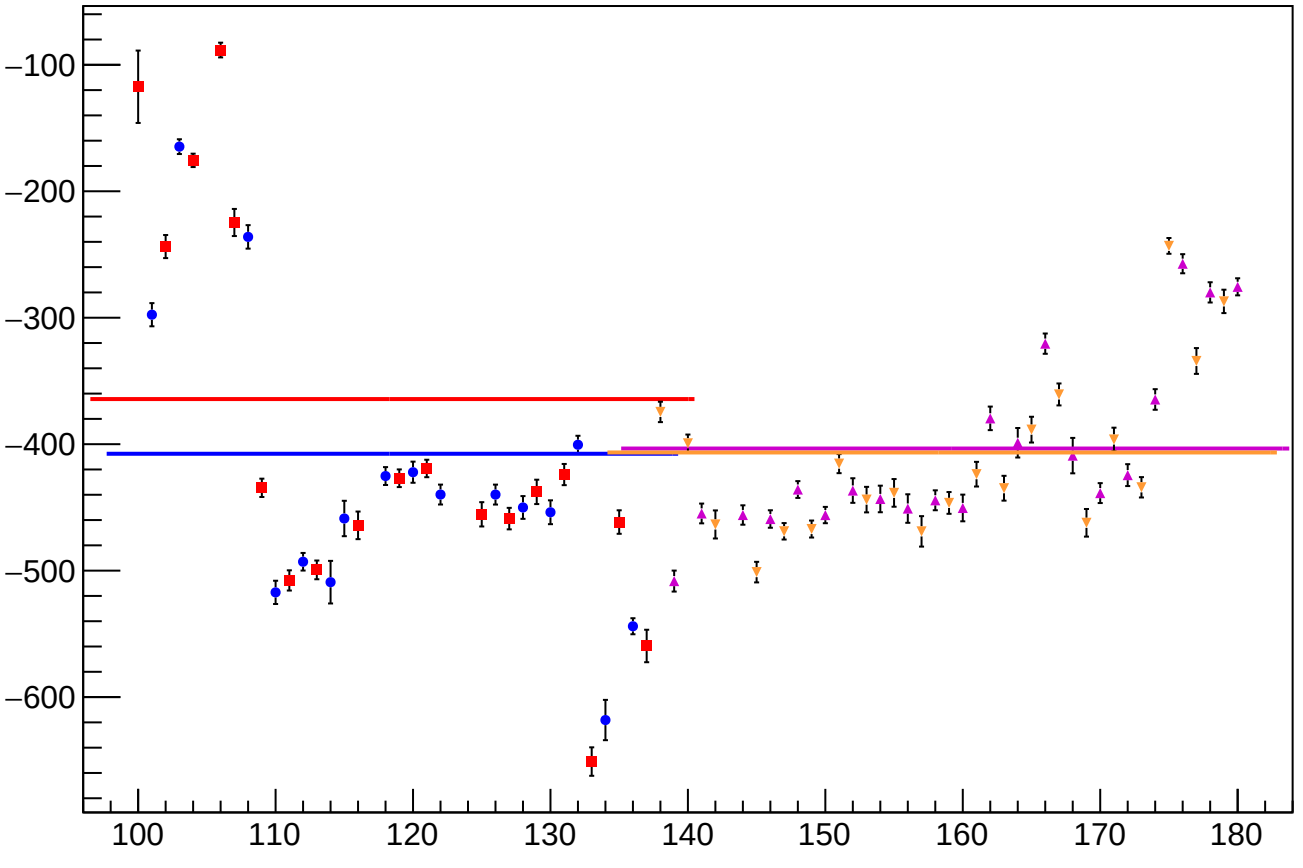
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 356.717+/-1.305 χ^2/NDF:3990.9/36

Out: 340.024+/-1.281 χ^2/NDF:5775.4/38

All: 348.215+/-0.914 χ^2/NDF: 9849.7/75


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_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
180
Right In: 3.101+/-1.892 χ²/NDF: 184.5/15
Left Out: -5.791+/-1.324 χ²/NDF:379.7/20
Right Out: -0.180+/-1.791 χ²/NDF: 205.2/17
Left In: -2.212+/-1.322 χ²/NDF:457.6/20
Left: -3.999+/-0.936 χ²/NDF: 840.9/41
Right: 1.370+/-1.301 χ²/NDF: 391.3/33
In: -0.469+/-1.084 χ²/NDF:647.4/36
Out: -3.808+/-1.065 χ²/NDF:591.2/38
All: -2.168+/-0.760 χ²/NDF: 1243.5/75



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -406.555+/-1.866 χ^2/NDF:1407.4/20

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -403.441+/-1.804 χ^2/NDF:1628.1/20

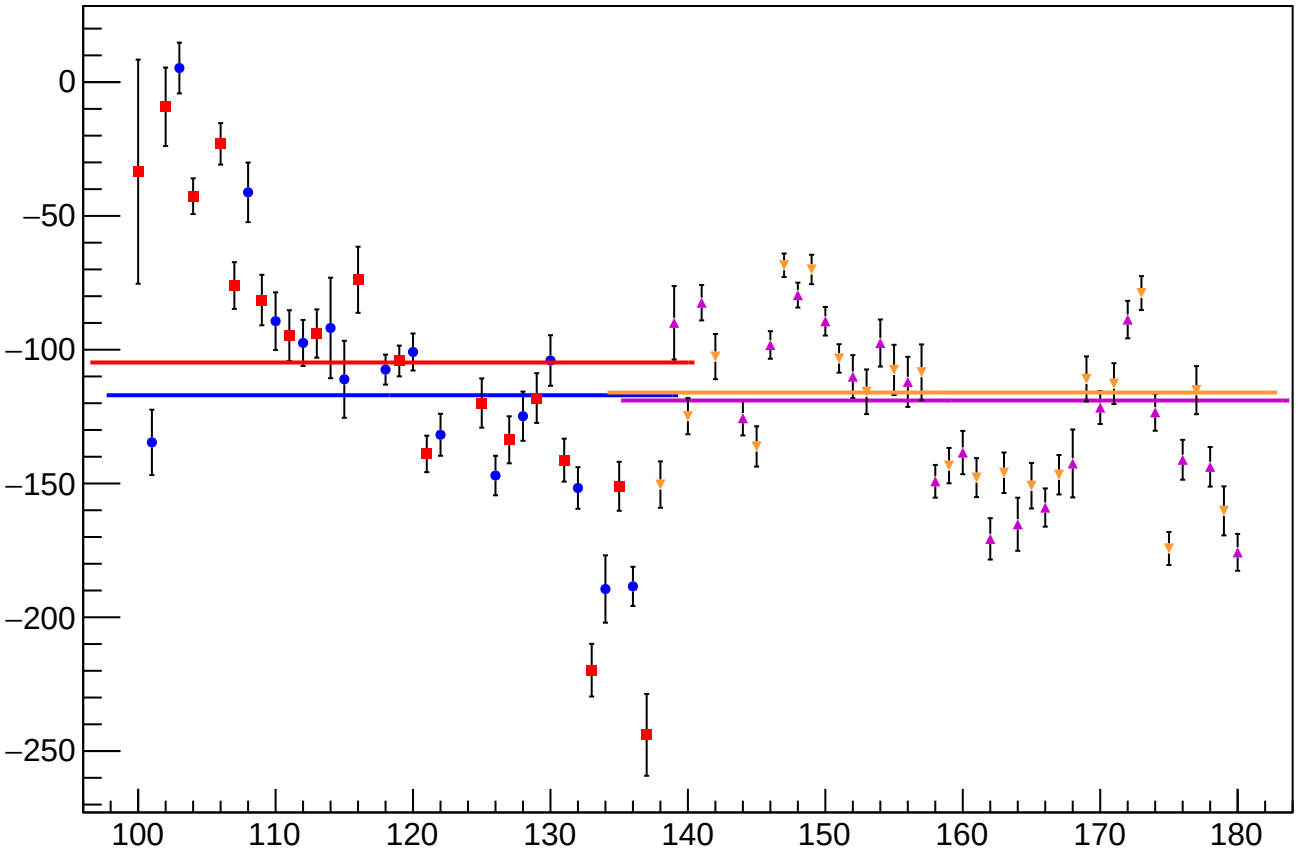
Left: -404.946+/-1.297 χ^2/NDF: 3036.9/41

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -405.222+/-1.361 χ^2/NDF:4910.9/36

Out: -386.288+/-1.346 χ^2/NDF:7873.7/38

All: -395.646+/-0.957 χ^2/NDF: 12882.4/75



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -116.001+/-1.543 χ^2/NDF:454.6/20

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -118.985+/-1.524 χ^2/NDF:400.9/20

Left: -117.511+/-1.084 χ^2/NDF: 857.4/41

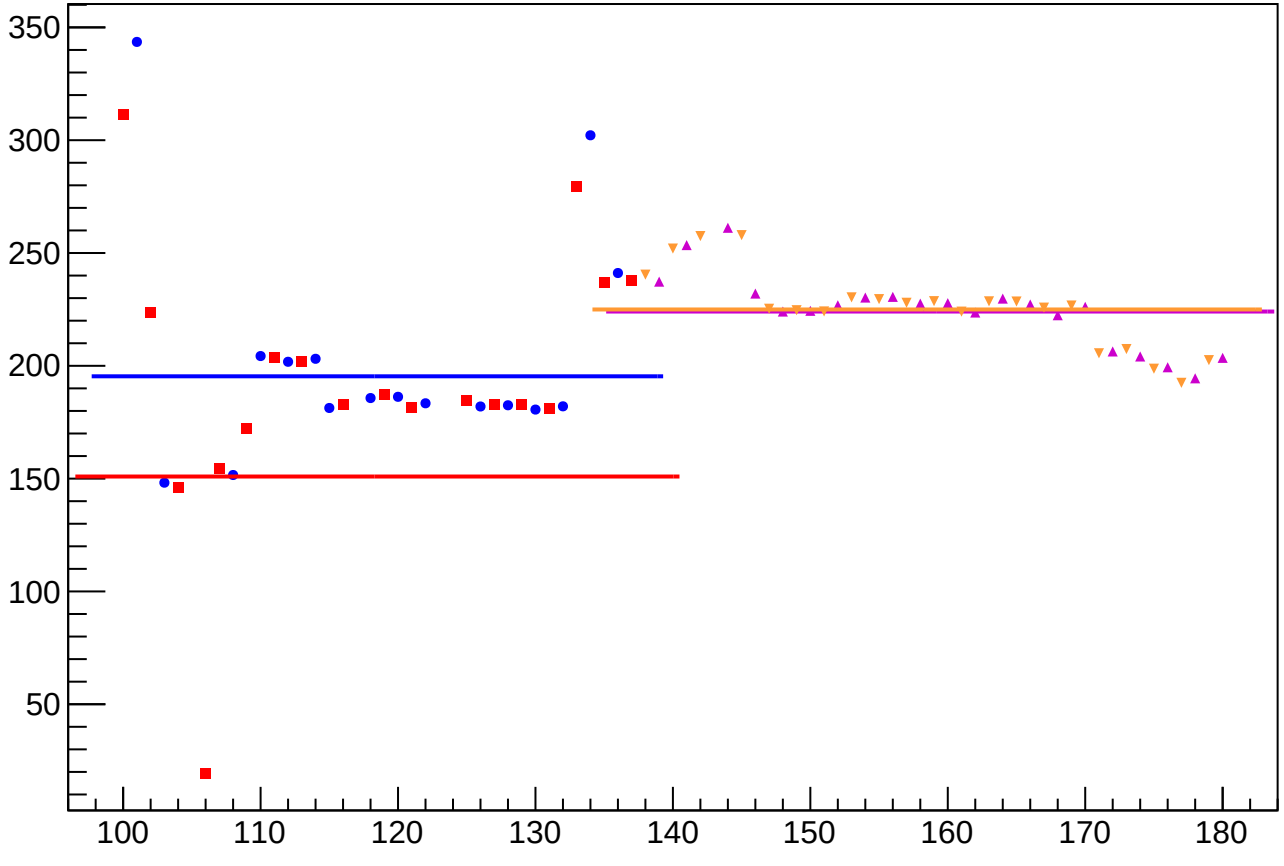
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -118.346+/-1.252 χ^2/NDF:809.3/36

Out: -112.044+/-1.242 χ^2/NDF:1048.3/38

All: -115.169+/-0.881 χ^2/NDF: 1870.4/75

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: 224.970+/-0.072 χ^2/NDF:52543.2/20

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 224.057+/-0.070 χ^2/NDF:49497.9/20

Left: 224.497+/-0.050 χ^2/NDF: 102123.5/41

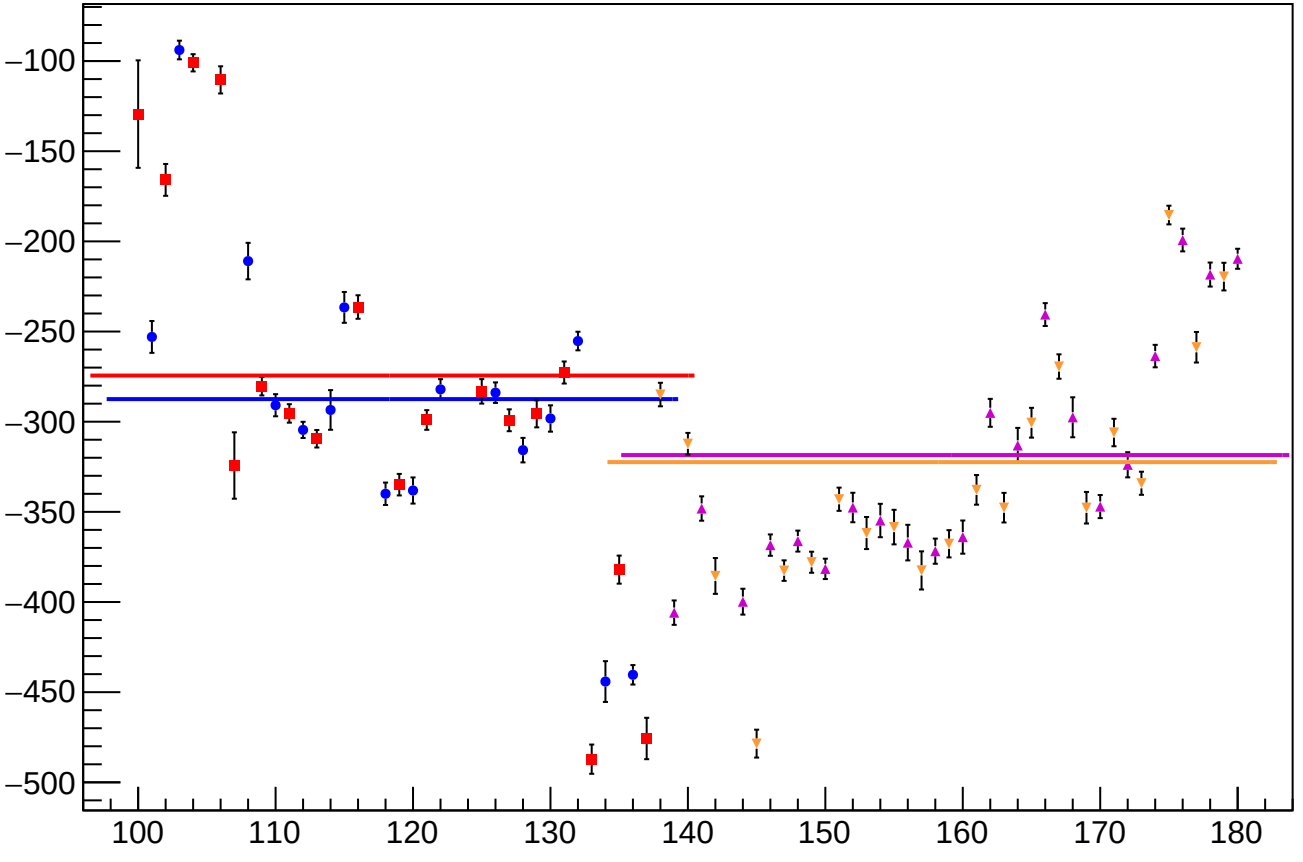
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.197+/-0.061 χ^2/NDF:266848.1/36

Out: 202.637+/-0.061 χ^2/NDF:867180.3/38

All: 209.867+/-0.043 χ^2/NDF: 1162784.7/75

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: -322.407+/-1.579 χ^2/NDF:1832.2/20

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -318.508+/-1.520 χ^2/NDF:1942.2/20

Left: -320.384+/-1.095 χ^2/NDF: 3777.7/41

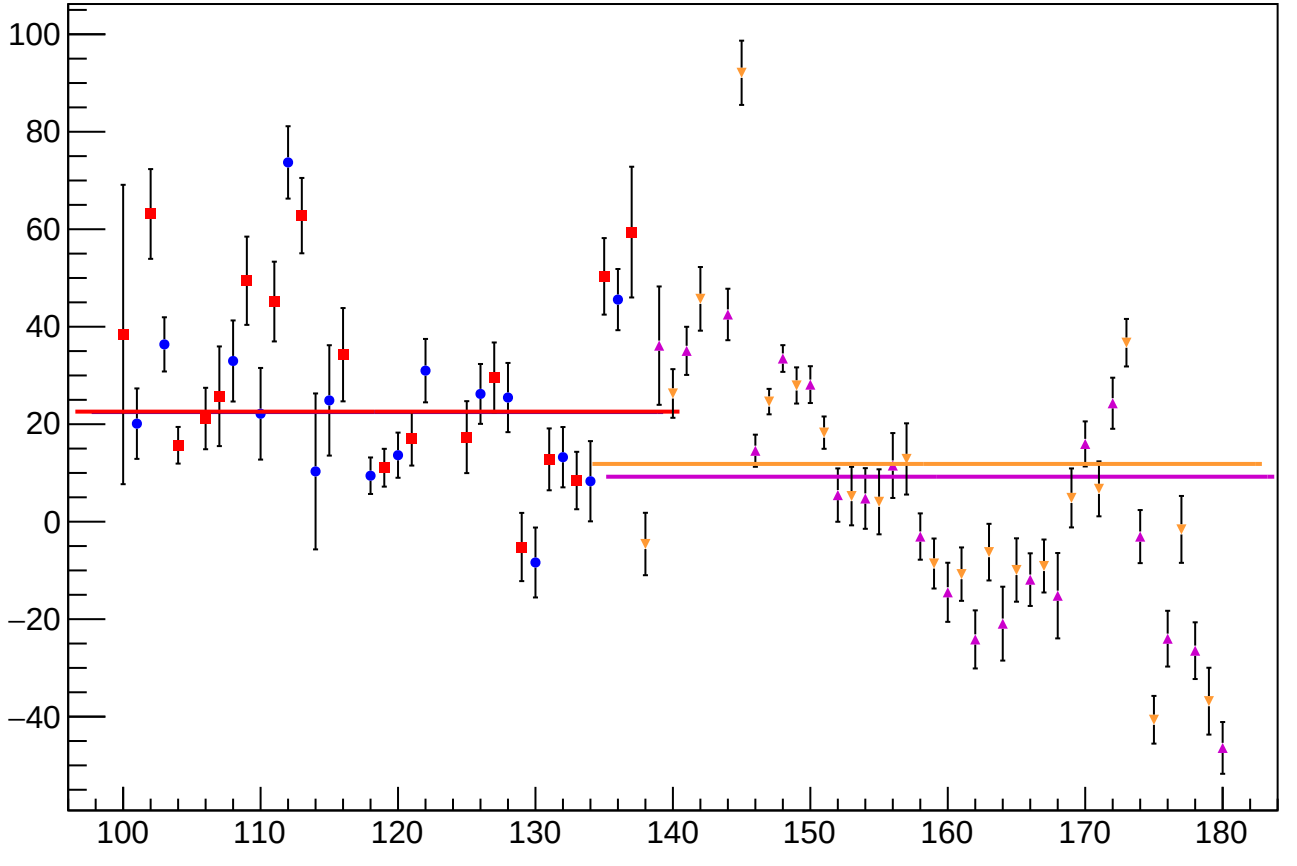
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -303.894+/-1.106 χ^2/NDF:4835.0/36

Out: -297.993+/-1.107 χ^2/NDF:5715.8/38

All: -300.946+/-0.782 χ^2/NDF: 10565.0/75

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 11.850+/-1.095 χ^2/NDF:505.2/20

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 9.227+/-1.093 χ^2/NDF:467.8/20

Left: 10.535+/-0.774 χ^2/NDF: 975.9/41

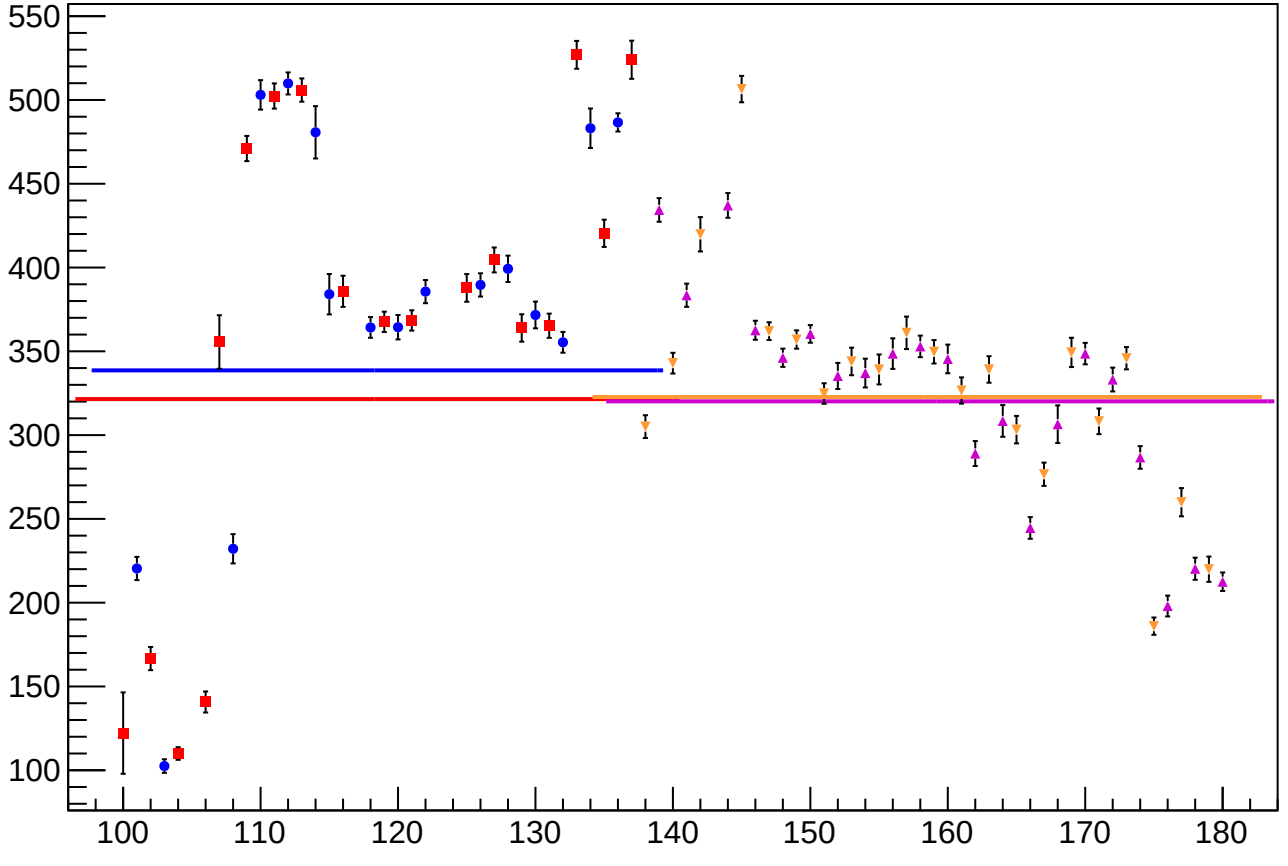
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 13.372+/-0.906 χ^2/NDF:625.3/36

Out: 15.363+/-0.898 χ^2/NDF:660.0/38

All: 14.376+/-0.638 χ^2/NDF: 1287.7/75

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: 322.721+/-1.547 χ^2/NDF:1809.0/20

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 320.151+/-1.493 χ^2/NDF:1984.2/20

Left: 321.390+/-1.074 χ^2/NDF: 3794.6/41

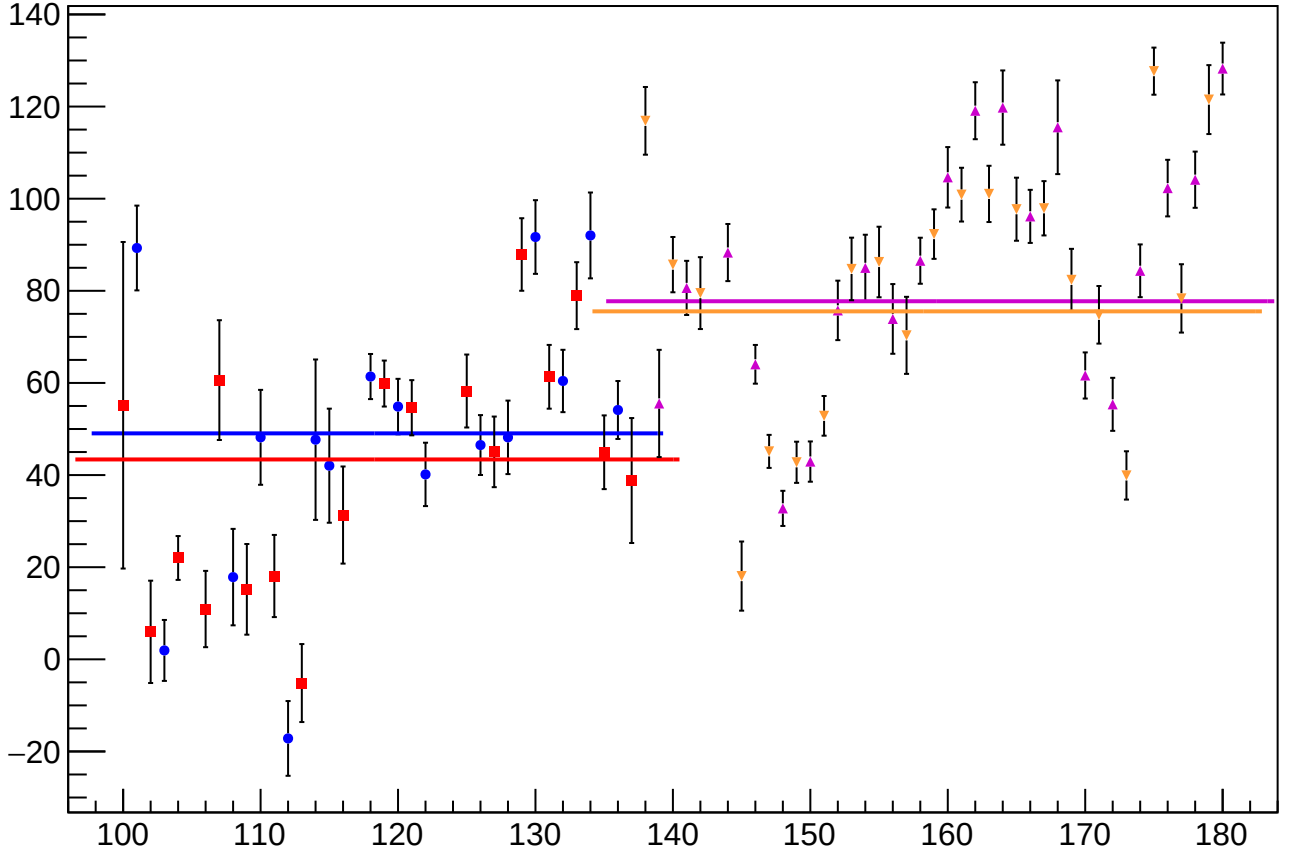
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 327.945+/-1.135 χ^2/NDF:8091.5/36

Out: 322.166+/-1.143 χ^2/NDF:9530.1/38

All: 325.074+/-0.805 χ^2/NDF: 17634.4/75

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 75.541+/-1.276 χ^2/NDF:511.0/20

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 77.735+/-1.259 χ^2/NDF:479.2/20

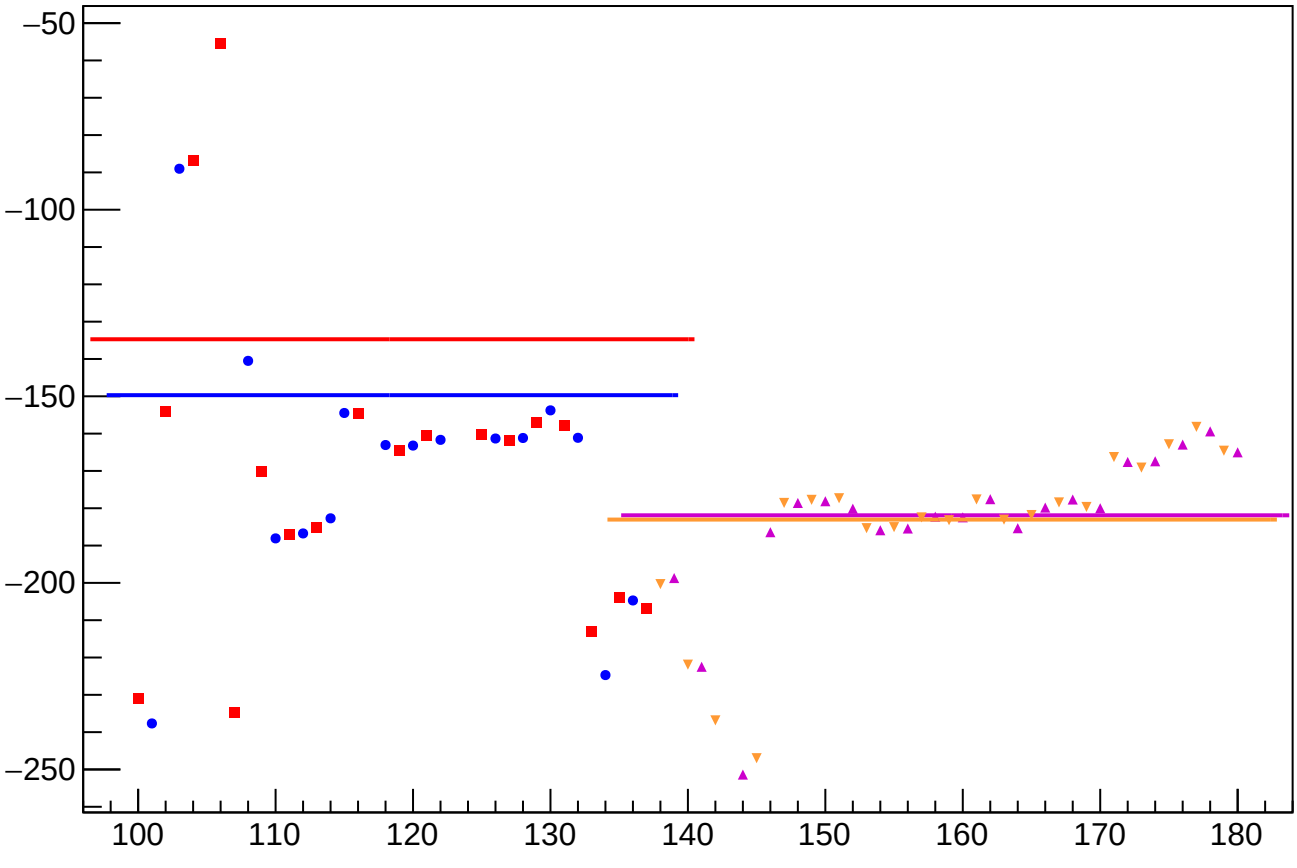
Left: 76.653+/-0.896 χ^2/NDF: 991.7/41

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 68.871+/-1.046 χ^2/NDF:847.6/36

Out: 65.056+/-1.047 χ^2/NDF:898.1/38

All: 66.965+/-0.740 χ^2/NDF: 1752.3/75



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.035+/-0.060 χ^2/NDF:108969.1/20

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -181.891+/-0.058 χ^2/NDF:92977.8/20

Left: -182.441+/-0.042 χ^2/NDF: 202136.6/41

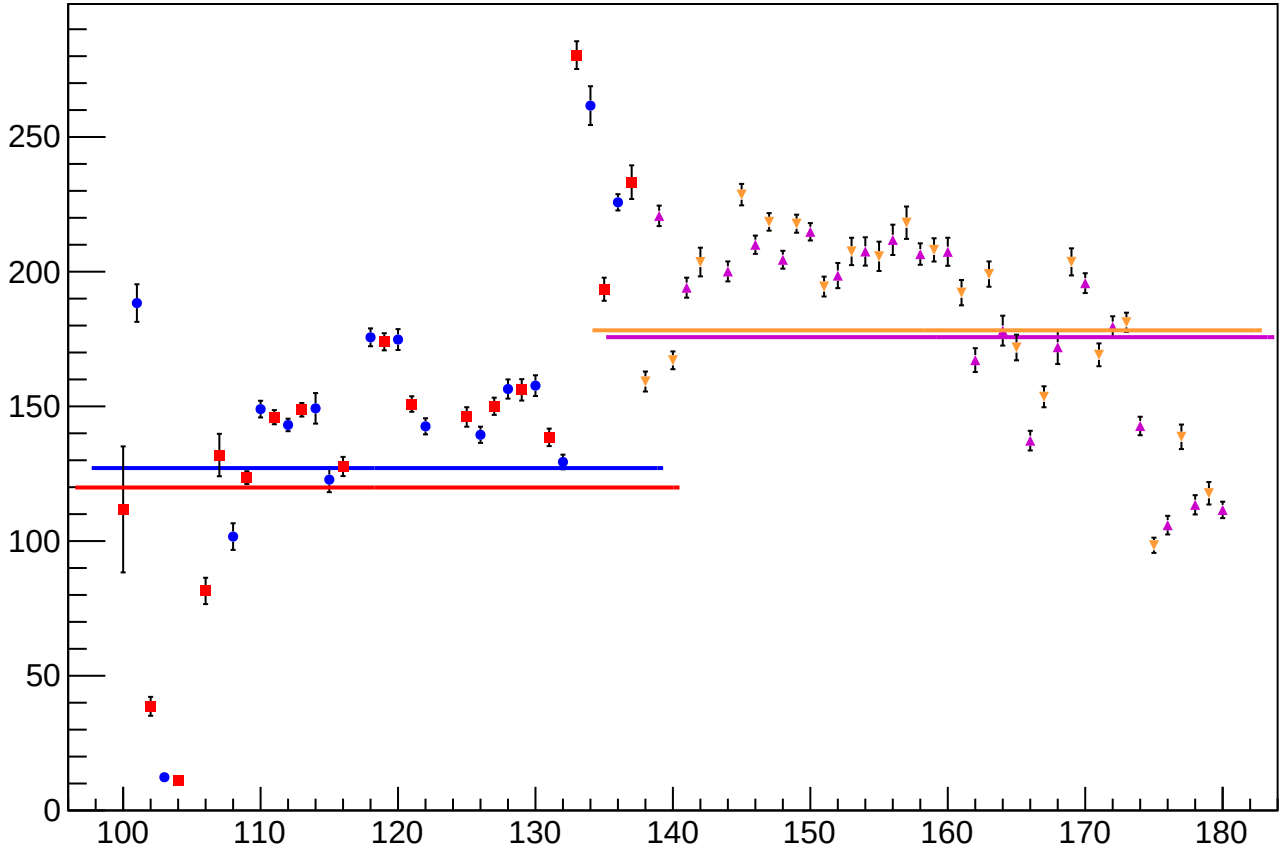
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -173.963+/-0.050 χ^2/NDF:426298.5/36

Out: -169.708+/-0.051 χ^2/NDF:601335.4/38

All: -171.874+/-0.036 χ^2/NDF: 1031184.3/75

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: 178.236+/-0.884 χ^2/NDF:1865.6/20

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 175.697+/-0.852 χ^2/NDF:2119.8/20

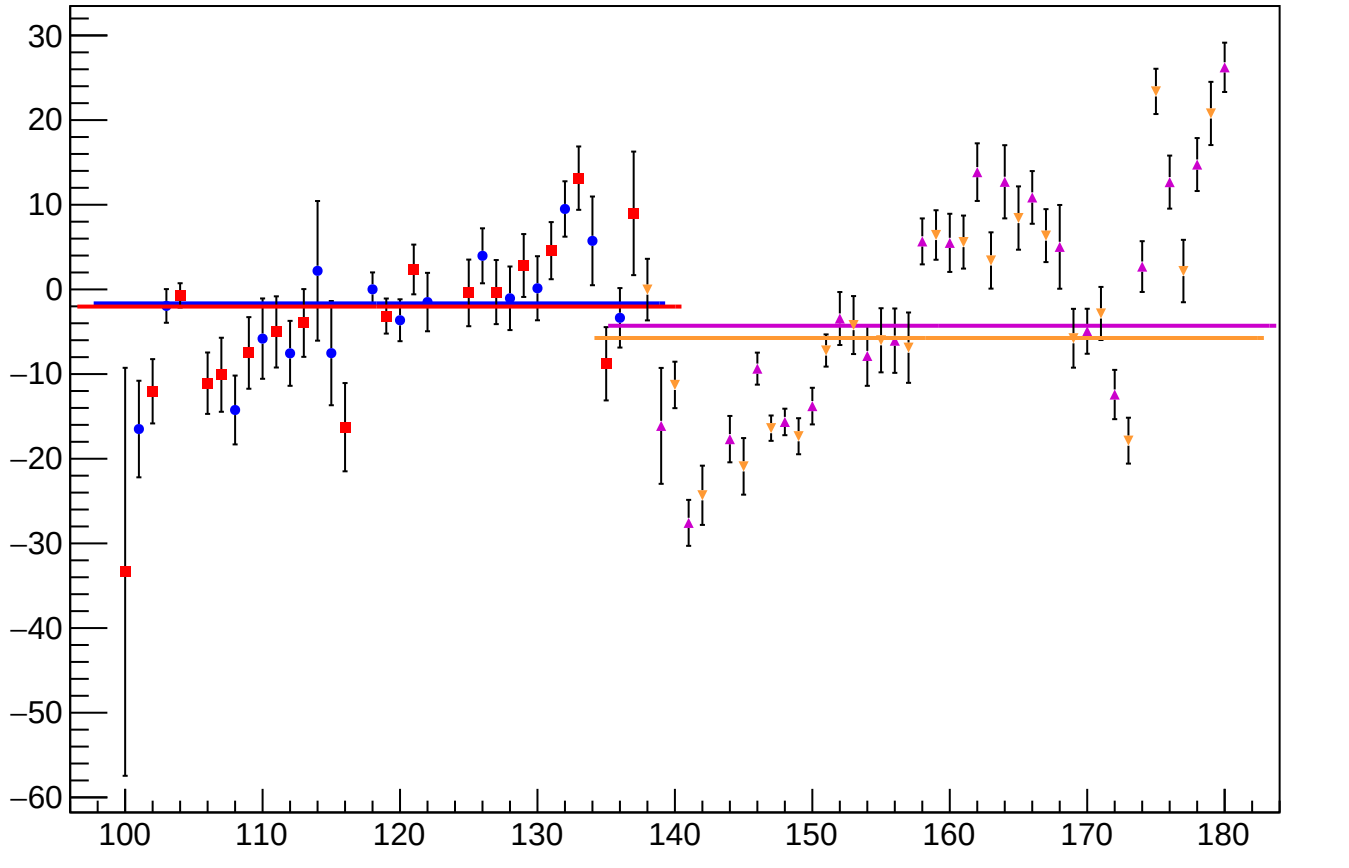
Left: 176.918+/-0.613 χ^2/NDF: 3989.7/41

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 150.209+/-0.587 χ^2/NDF:9991.2/36

Out: 145.208+/-0.582 χ^2/NDF:10980.2/38

All: 147.688+/-0.414 χ^2/NDF: 21008.0/75



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -5.738+/-0.617 χ^2/NDF:398.5/20

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -4.293+/-0.615 χ^2/NDF:463.2/20

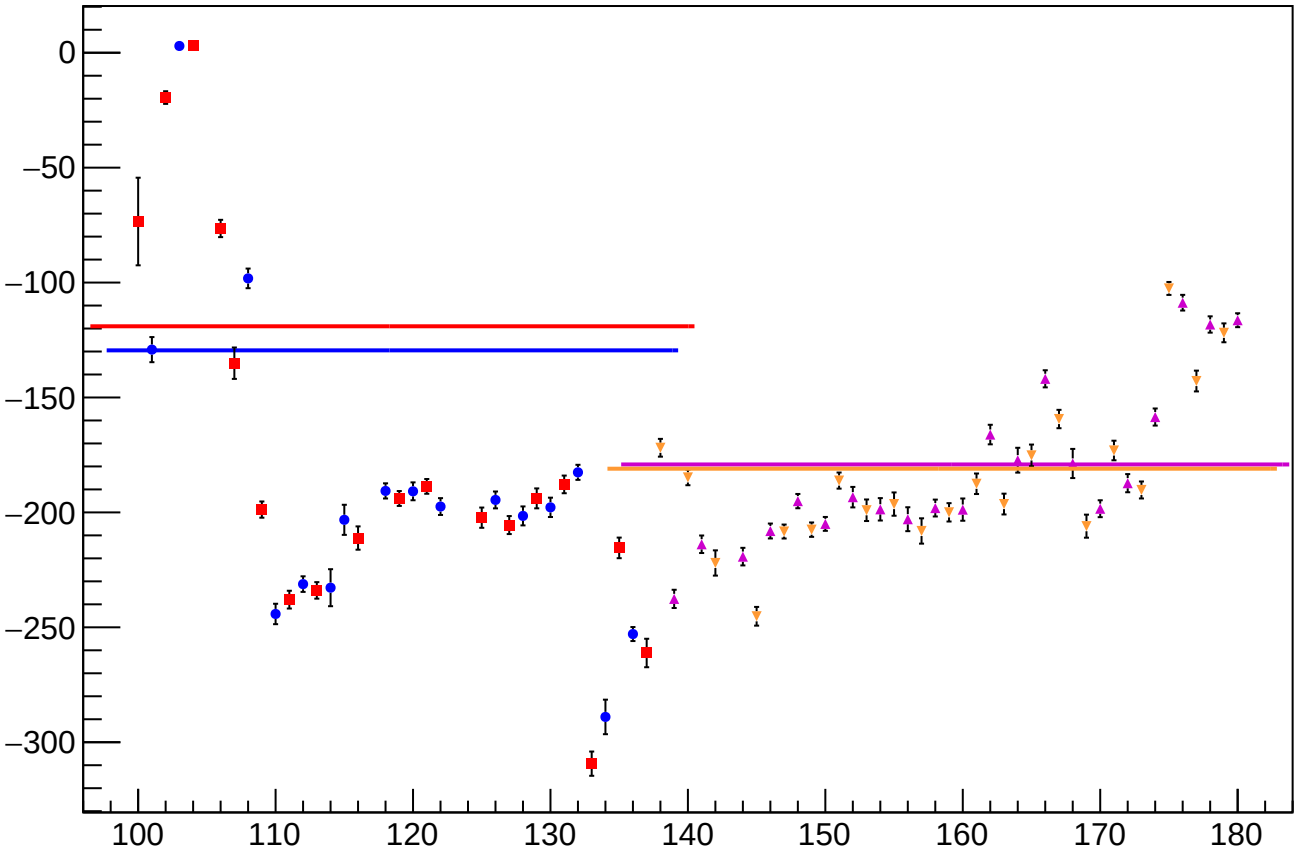
Left: -5.013+/-0.436 χ^2/NDF: 864.4/41

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -3.360+/-0.495 χ^2/NDF:508.7/36

Out: -4.287+/-0.482 χ^2/NDF:471.2/38

All: -3.836+/-0.345 χ^2/NDF: 981.7/75



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -180.989+/-0.868 χ^2/NDF:1668.2/20

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -179.140+/-0.837 χ^2/NDF:2001.1/20

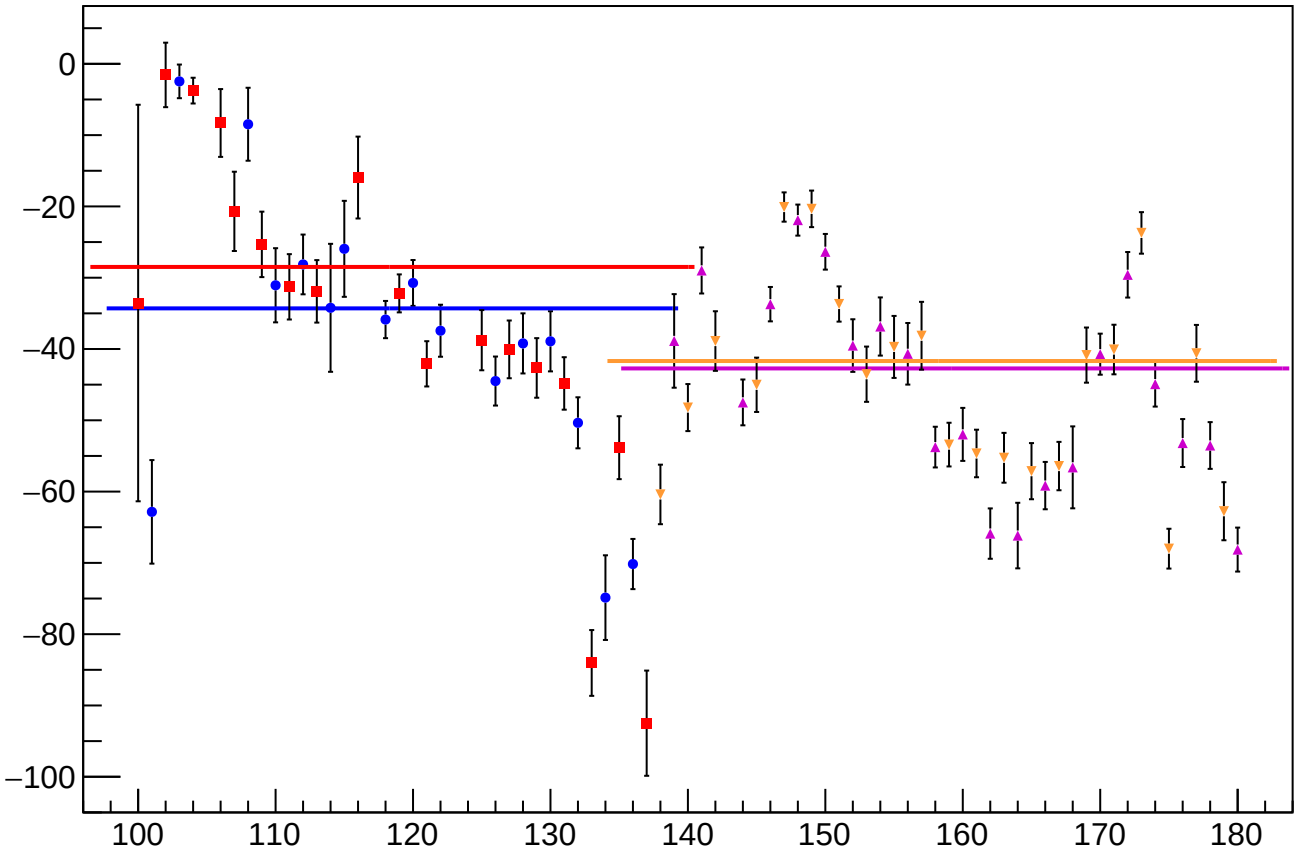
Left: -180.031+/-0.603 χ^2/NDF: 3671.6/41

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

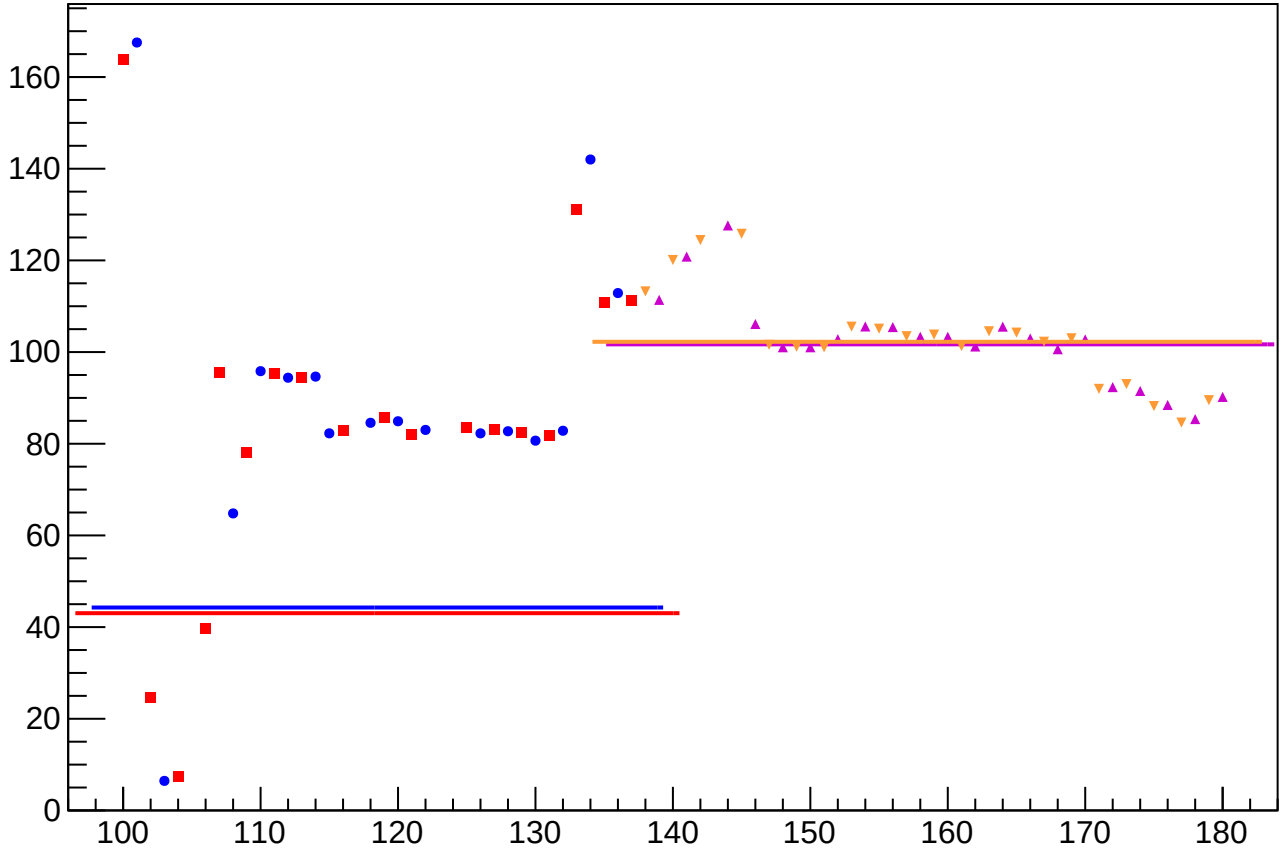
In: -154.584+/-0.595 χ^2/NDF:18427.4/36

Out: -147.974+/-0.593 χ^2/NDF:20561.1/38

All: -151.268+/-0.420 χ^2/NDF: 39050.4/75


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -41.686+/-0.718 χ²/NDF:449.7/20
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -42.726+/-0.708 χ²/NDF:398.5/20
Left: -42.213+/-0.504 χ²/NDF: 849.2/41
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -39.789+/-0.571 χ²/NDF:859.2/36
Out: -36.602+/-0.563 χ²/NDF:1147.9/38
All: -38.171+/-0.401 χ²/NDF: 2022.9/75

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: 102.242+/-0.034 χ^2/NDF:89077.6/20

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 101.683+/-0.032 χ^2/NDF:81808.8/20

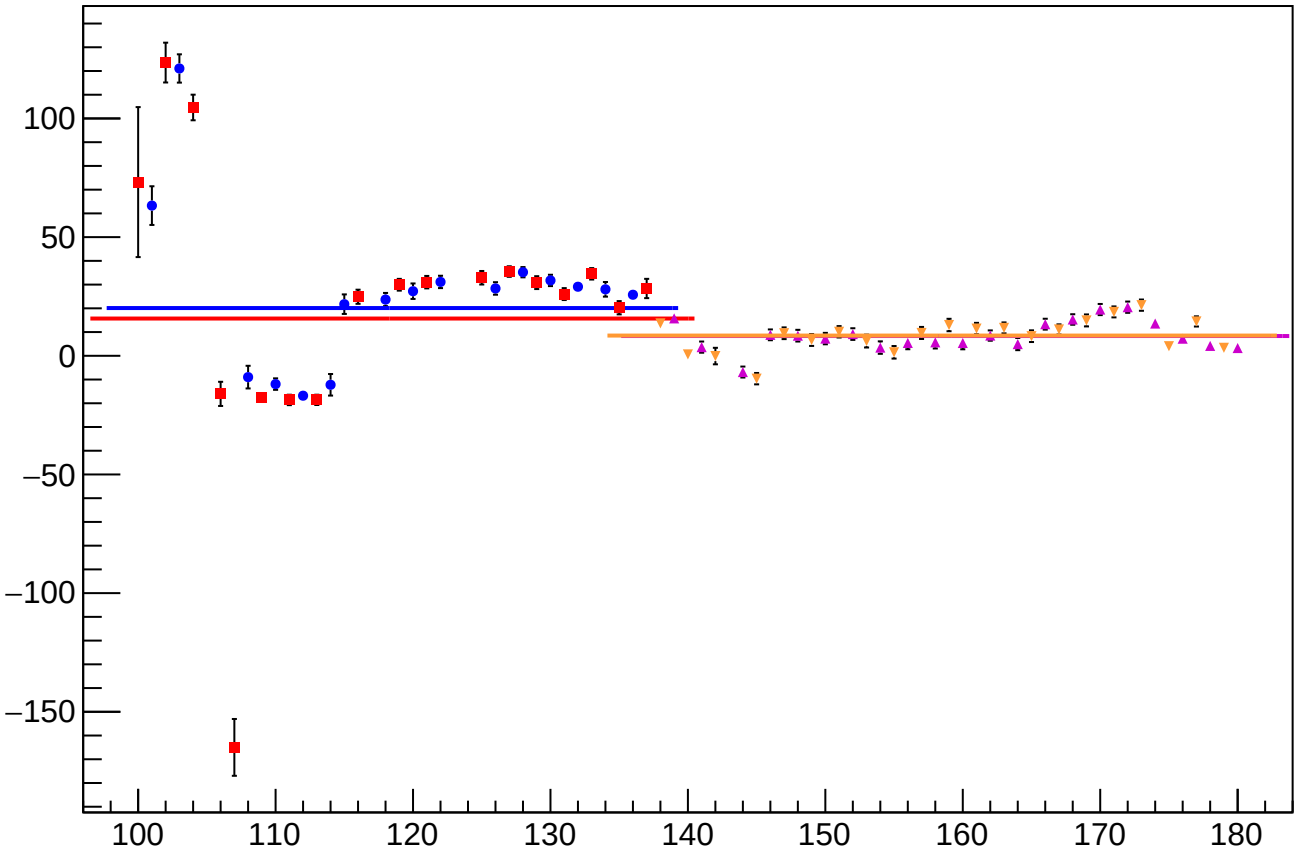
Left: 101.952+/-0.023 χ^2/NDF: 171029.3/41

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 82.048+/-0.026 χ^2/NDF:2240585.7/36

Out: 81.049+/-0.027 χ^2/NDF:2003871.6/38

All: 81.561+/-0.019 χ^2/NDF: 4245161.9/75



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.524+/-0.504 χ^2/NDF:178.3/20

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.326+/-0.488 χ^2/NDF:155.8/20

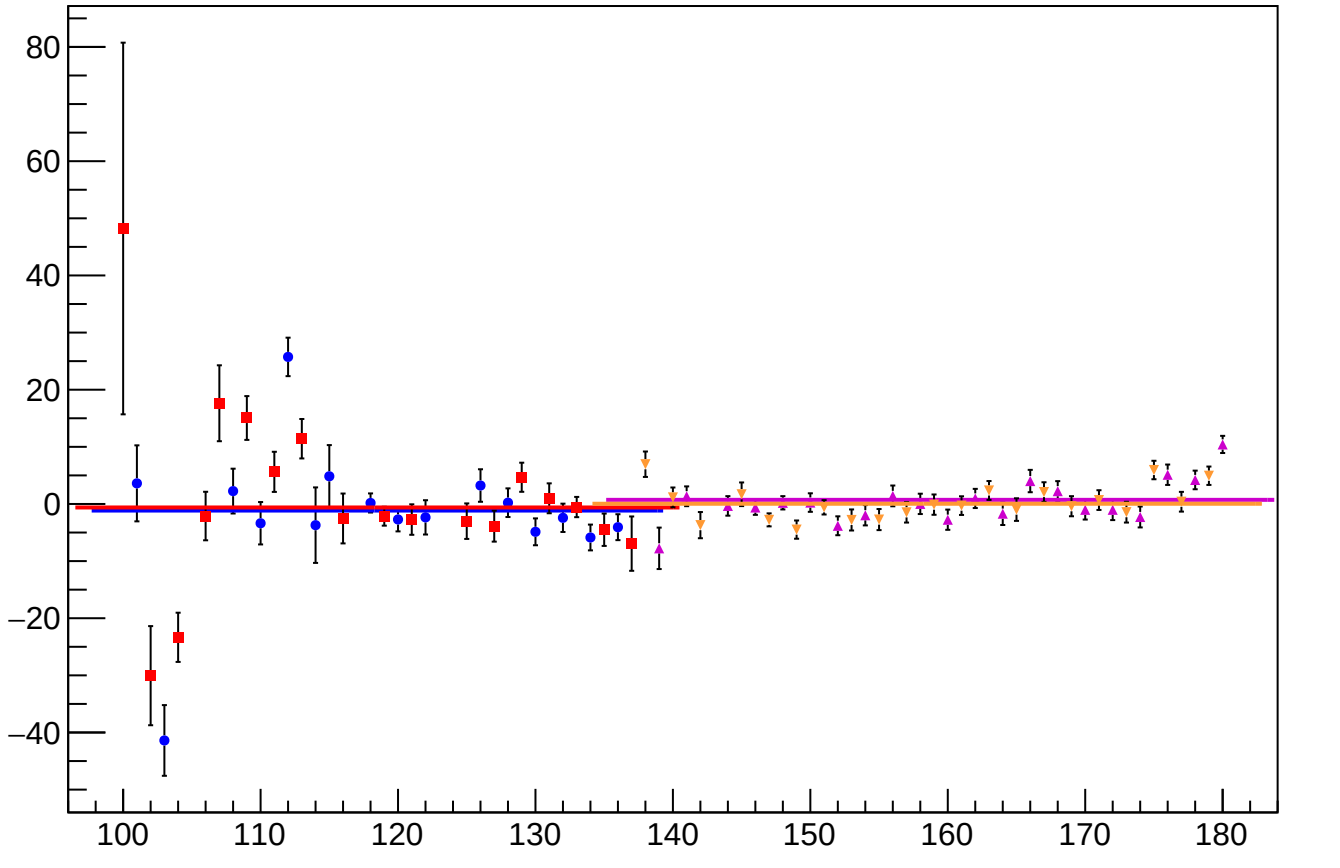
Left: 8.422+/-0.351 χ^2/NDF: 334.1/41

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

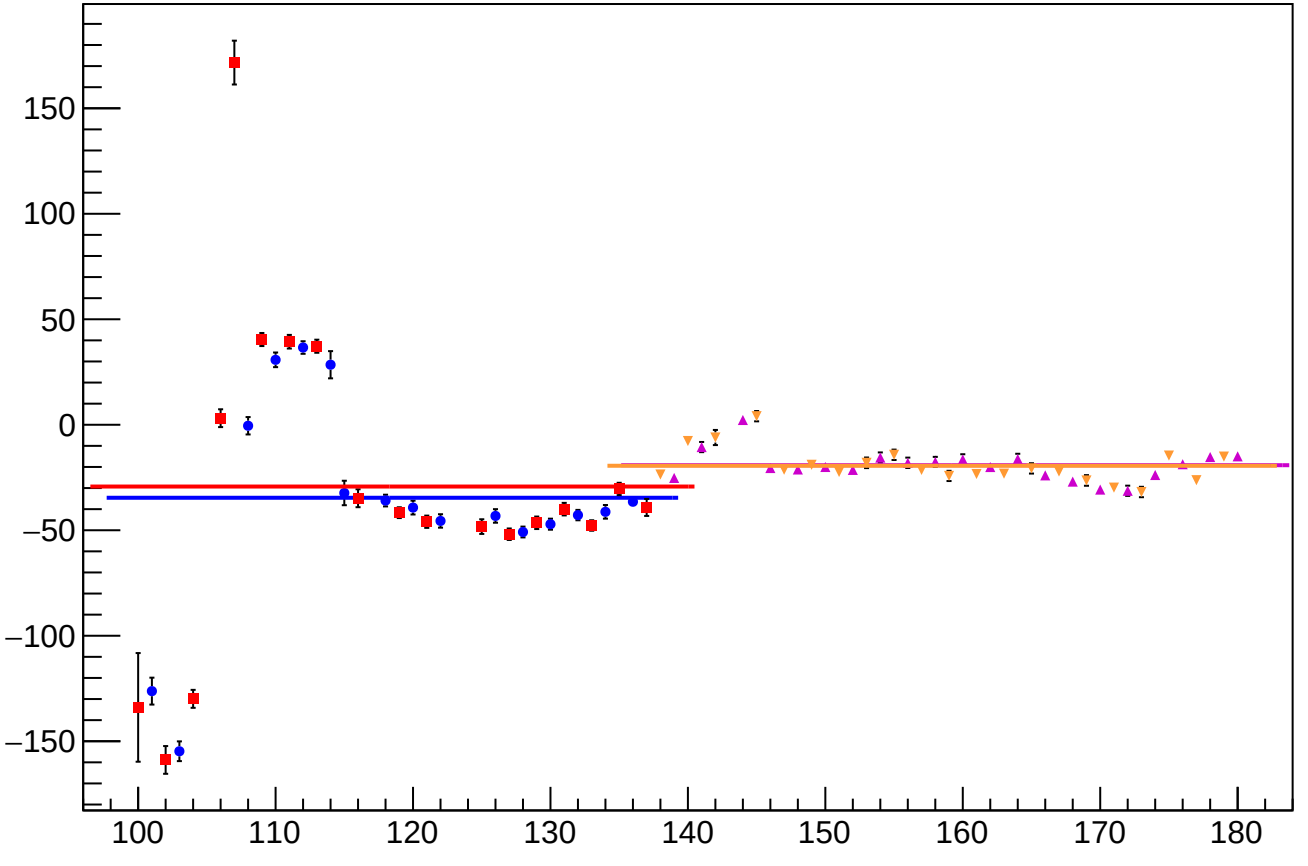
In: 12.277+/-0.398 χ^2/NDF:1399.7/36

Out: 11.059+/-0.405 χ^2/NDF:2023.7/38

All: 11.680+/-0.284 χ^2/NDF: 3428.0/75


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: 0.037+/-0.368 χ²/NDF:60.4/20
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: 0.721+/-0.369 χ²/NDF:83.4/20
Left: 0.379+/-0.260 χ²/NDF: 145.5/41
Right: -0.888+/-0.499 χ²/NDF: 215.5/33
In: 0.314+/-0.326 χ²/NDF:210.8/36
Out: -0.100+/-0.327 χ²/NDF:154.4/38
All: 0.108+/-0.231 χ²/NDF: 366.1/75

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.430+/-0.495 χ^2/NDF:237.2/20

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.168+/-0.480 χ^2/NDF:191.9/20

Left: -19.295+/-0.345 χ^2/NDF: 429.2/41

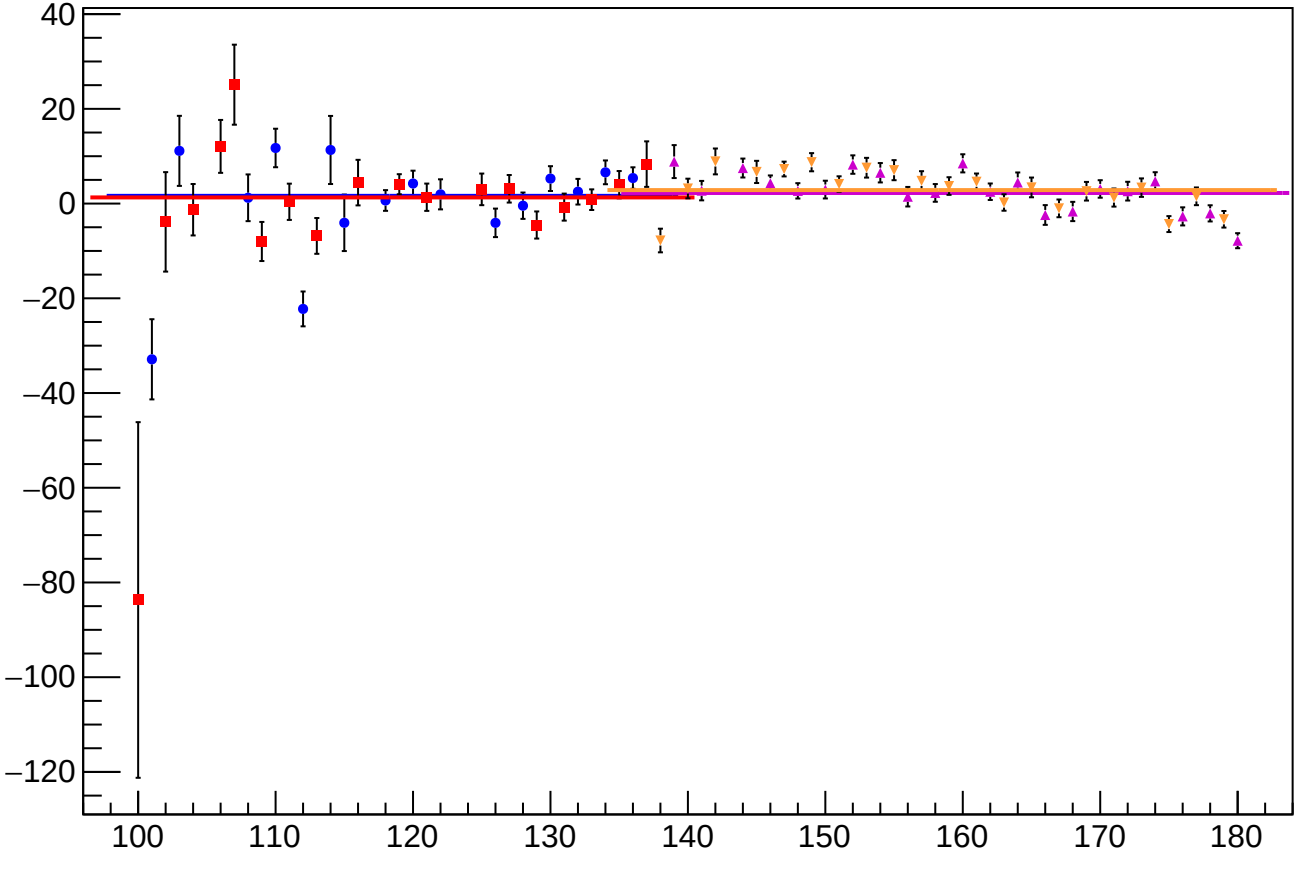
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -23.364+/-0.410 χ^2/NDF:2530.8/36

Out: -22.159+/-0.421 χ^2/NDF:3427.8/38

All: -22.777+/-0.294 χ^2/NDF: 5962.8/75

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.843+/-0.419 χ^2/NDF:93.7/20

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.238+/-0.417 χ^2/NDF:102.1/20

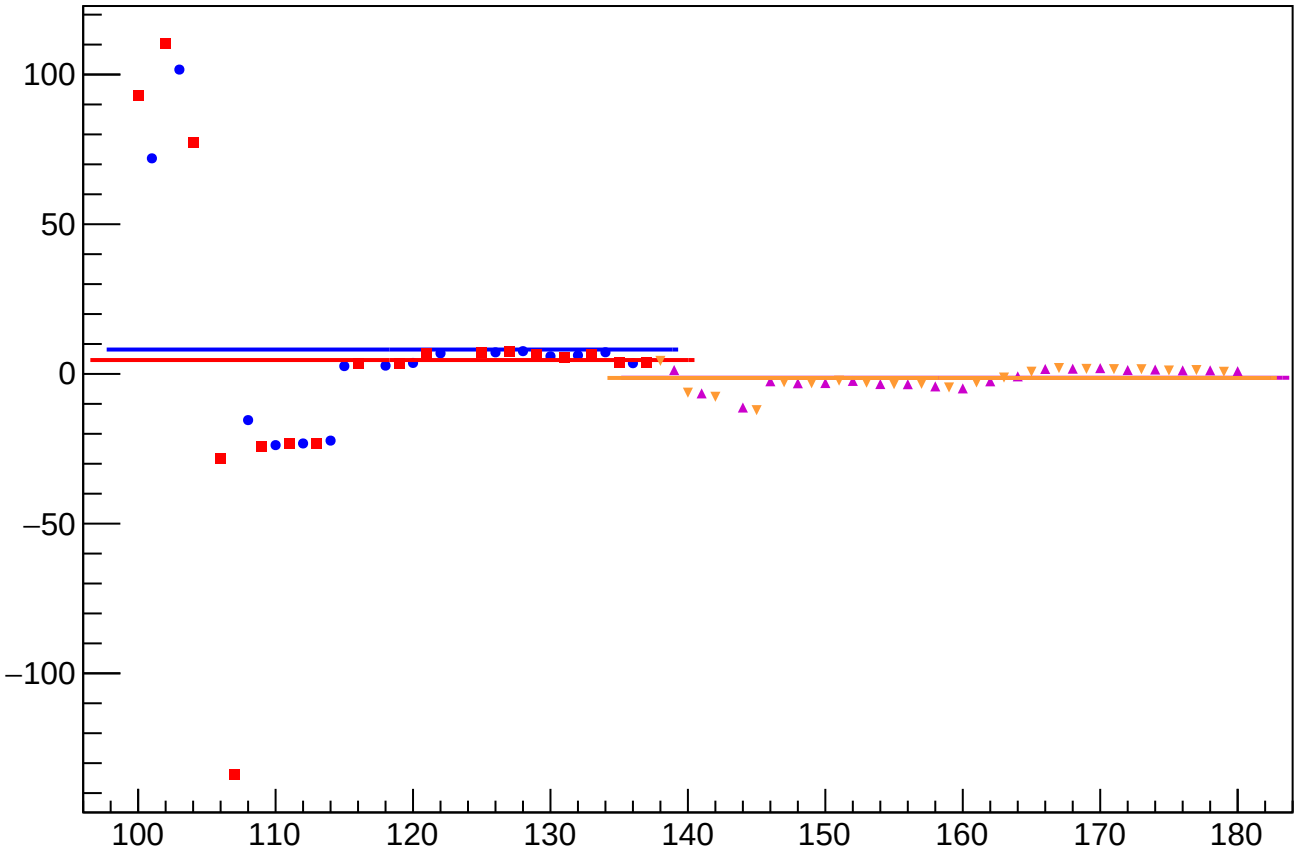
Left: 2.539+/-0.295 χ^2/NDF: 196.9/41

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.108+/-0.369 χ^2/NDF:185.9/36

Out: 2.521+/-0.373 χ^2/NDF:134.1/38

All: 2.312+/-0.262 χ^2/NDF: 320.6/75



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.342+/-0.019 χ^2/NDF:34394.1/20

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.278+/-0.018 χ^2/NDF:27464.2/20

Left: -1.310+/-0.013 χ^2/NDF: 61864.2/41

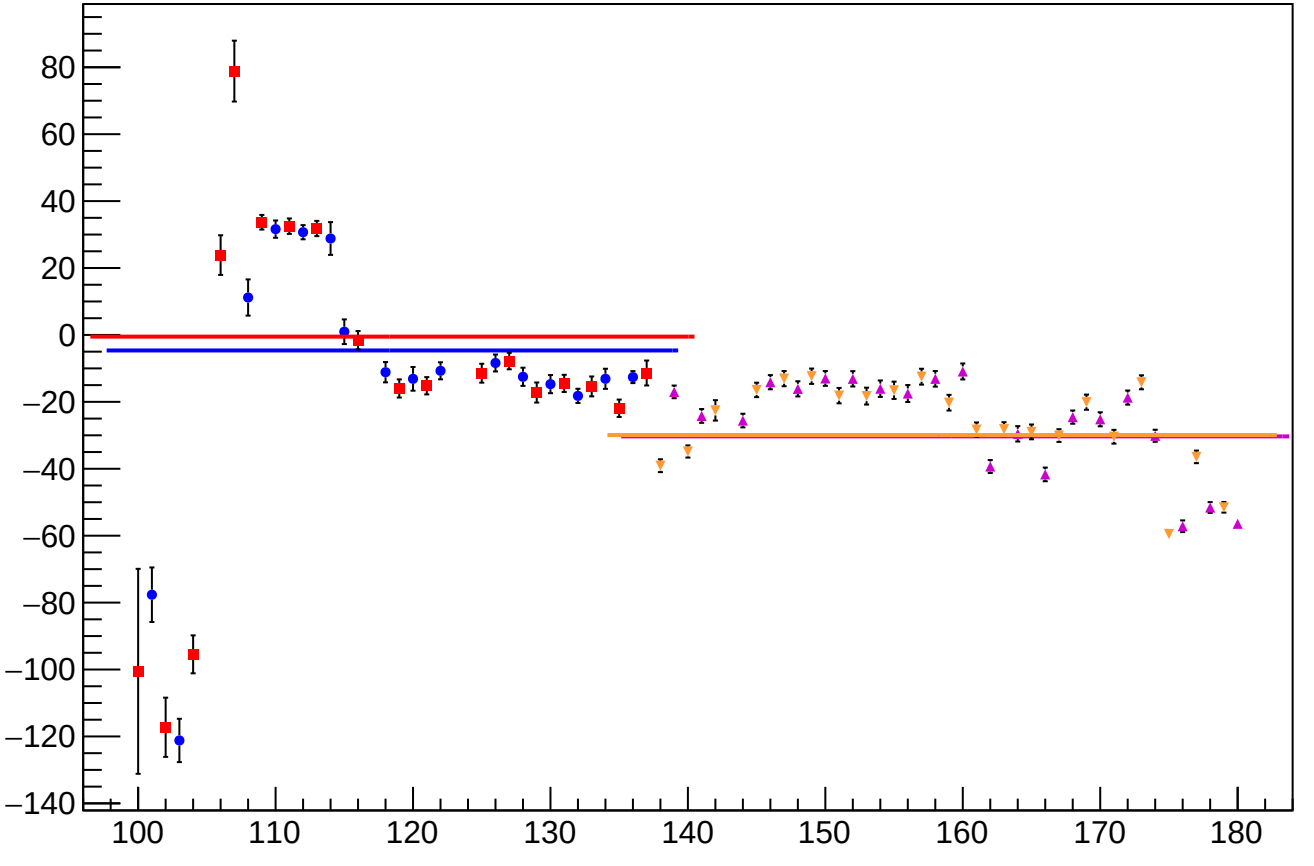
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.091+/-0.017 χ^2/NDF:373992.8/36

Out: -0.644+/-0.018 χ^2/NDF:493025.3/38

All: -0.360+/-0.012 χ^2/NDF: 867521.9/75

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -29.925+/-0.454 χ^2/NDF:996.7/20

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -30.328+/-0.439 χ^2/NDF:1324.6/20

Left: -30.133+/-0.316 χ^2/NDF: 2321.7/41

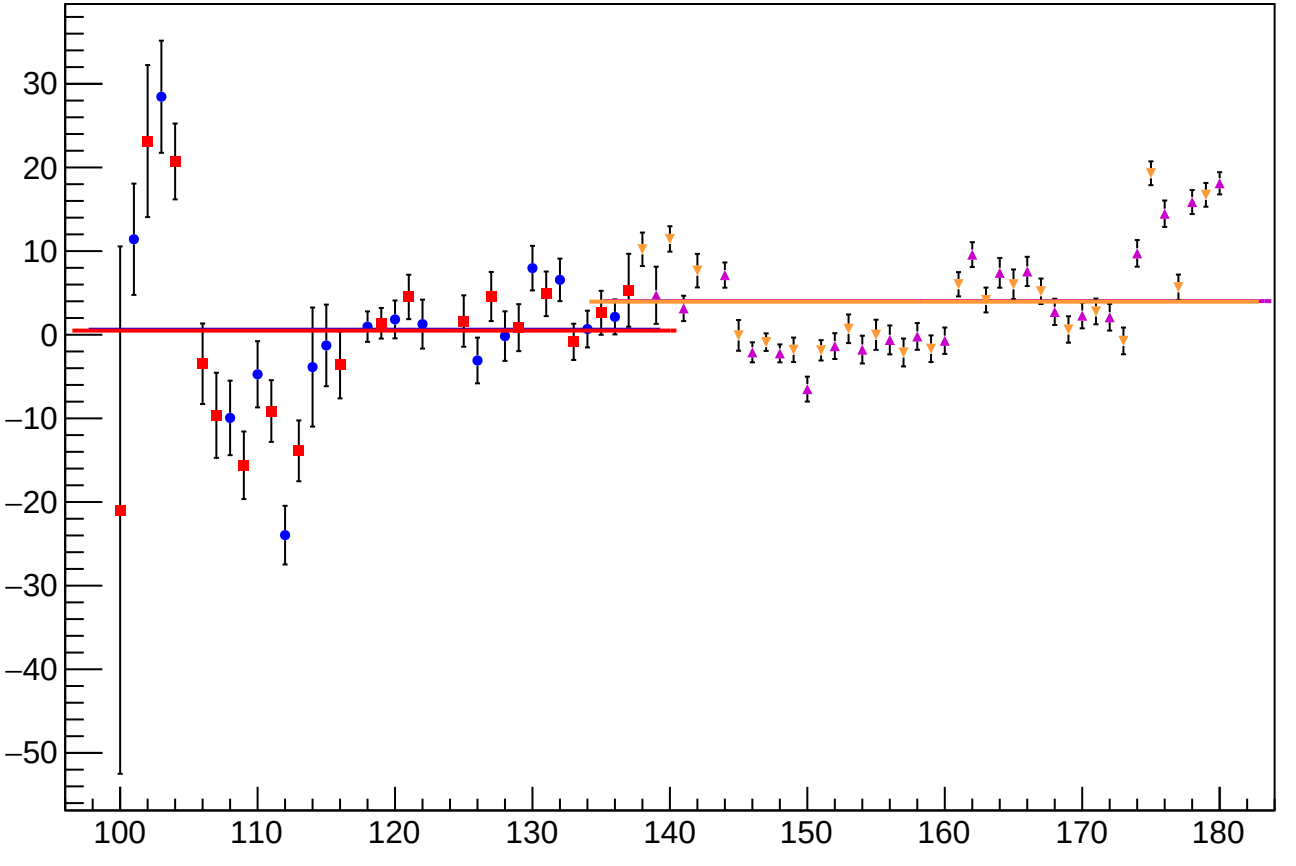
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -23.249+/-0.374 χ^2/NDF:3315.0/36

Out: -21.390+/-0.383 χ^2/NDF:3670.5/38

All: -22.343+/-0.267 χ^2/NDF: 6997.6/75

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.961+/-0.333 χ^2/NDF:352.1/20

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 4.023+/-0.332 χ^2/NDF:424.9/20

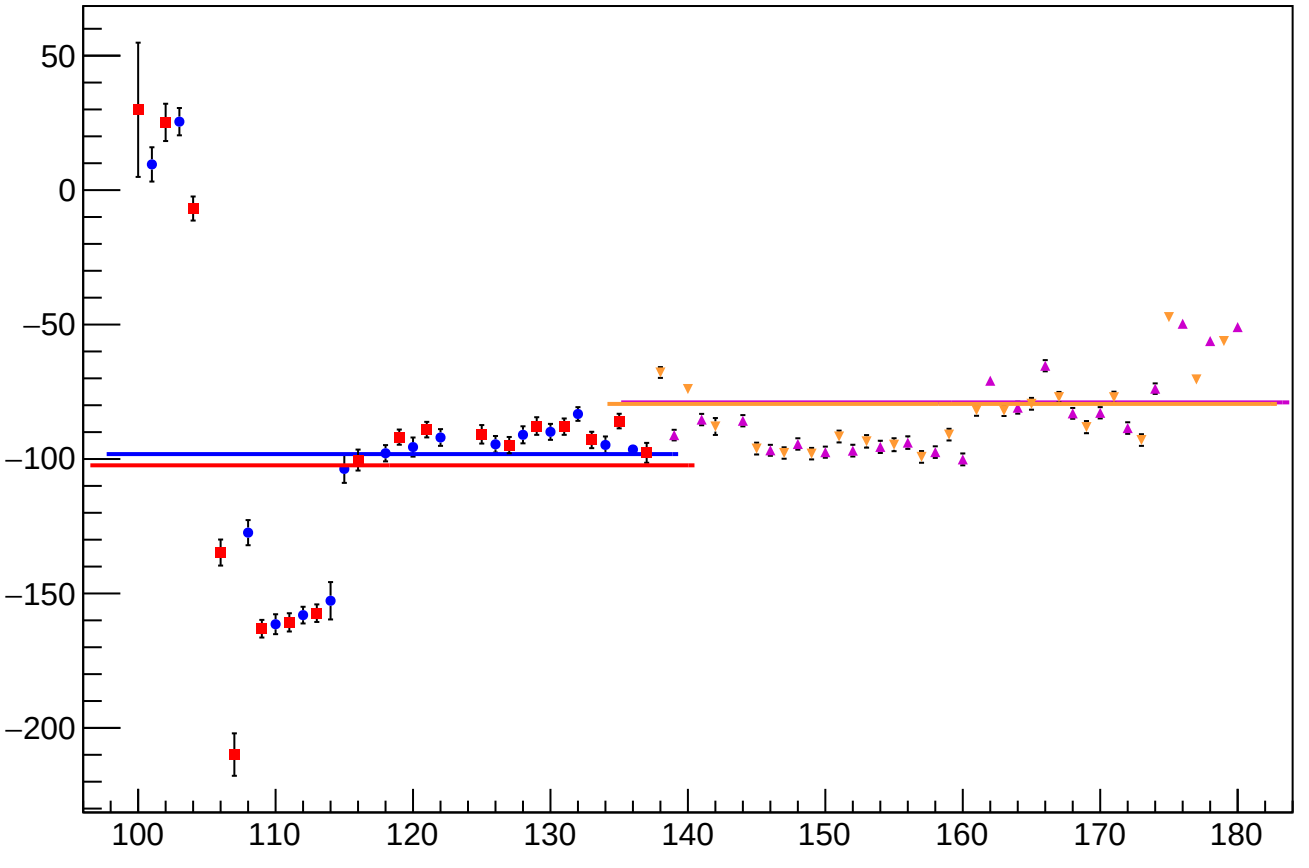
Left: 3.992+/-0.235 χ^2/NDF: 777.0/41

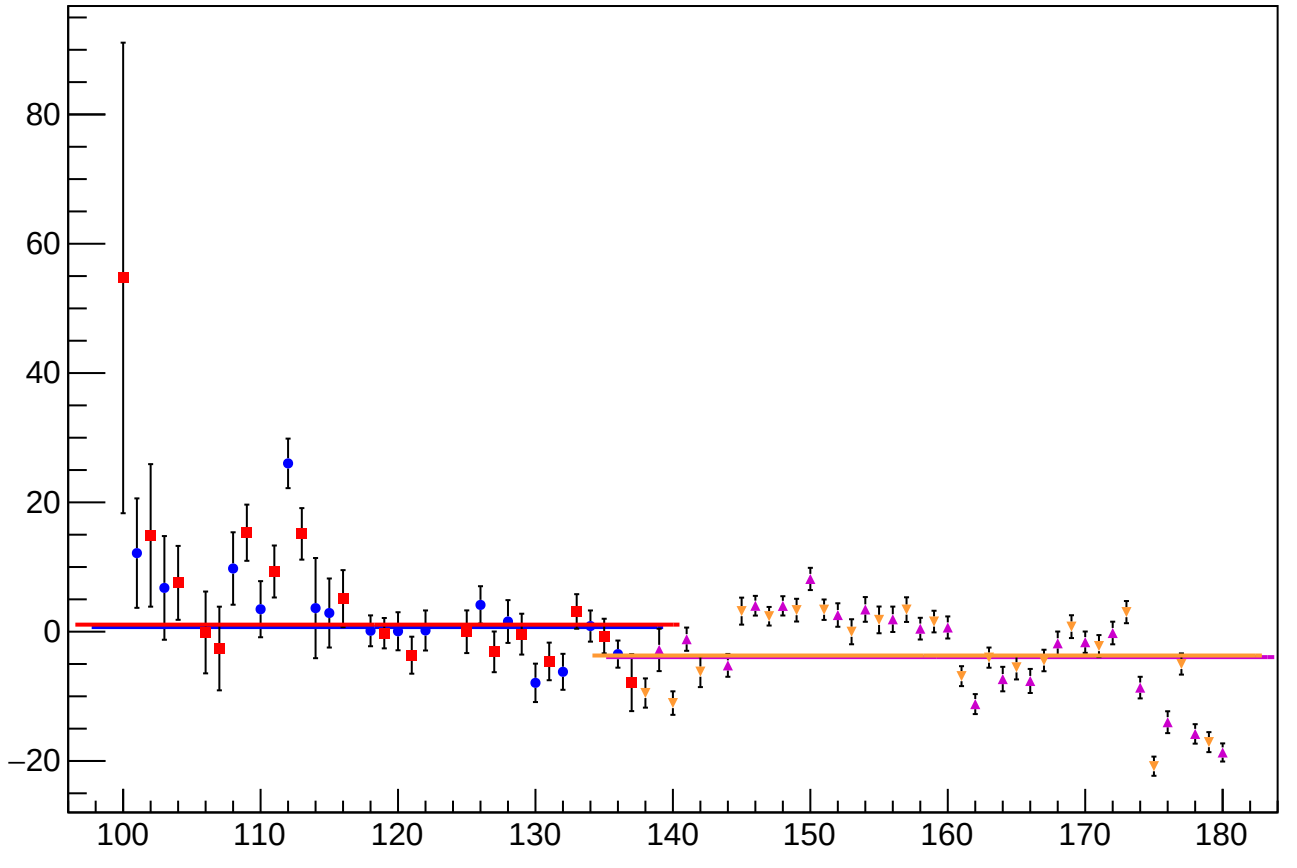
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 3.432+/-0.302 χ^2/NDF:536.1/36

Out: 3.395+/-0.305 χ^2/NDF:449.8/38

All: 3.414+/-0.215 χ^2/NDF: 986.0/75


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -98.168+/-0.813 χ²/NDF: 1699.9/15
Left Out: -79.507+/-0.447 χ²/NDF:1242.6/20
Right Out: -102.349+/-0.837 χ²/NDF: 2117.5/17
Left In: -78.939+/-0.433 χ²/NDF:1599.7/20
Left: -79.214+/-0.311 χ²/NDF: 2843.1/41
Right: -100.197+/-0.583 χ²/NDF: 3830.3/33
In: -83.186+/-0.382 χ²/NDF:3735.8/36
Out: -84.576+/-0.394 χ²/NDF:3939.6/38
All: -83.859+/-0.274 χ²/NDF: 7681.8/75



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.688+/-0.379 χ^2/NDF:359.9/20

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -3.937+/-0.375 χ^2/NDF:412.0/20

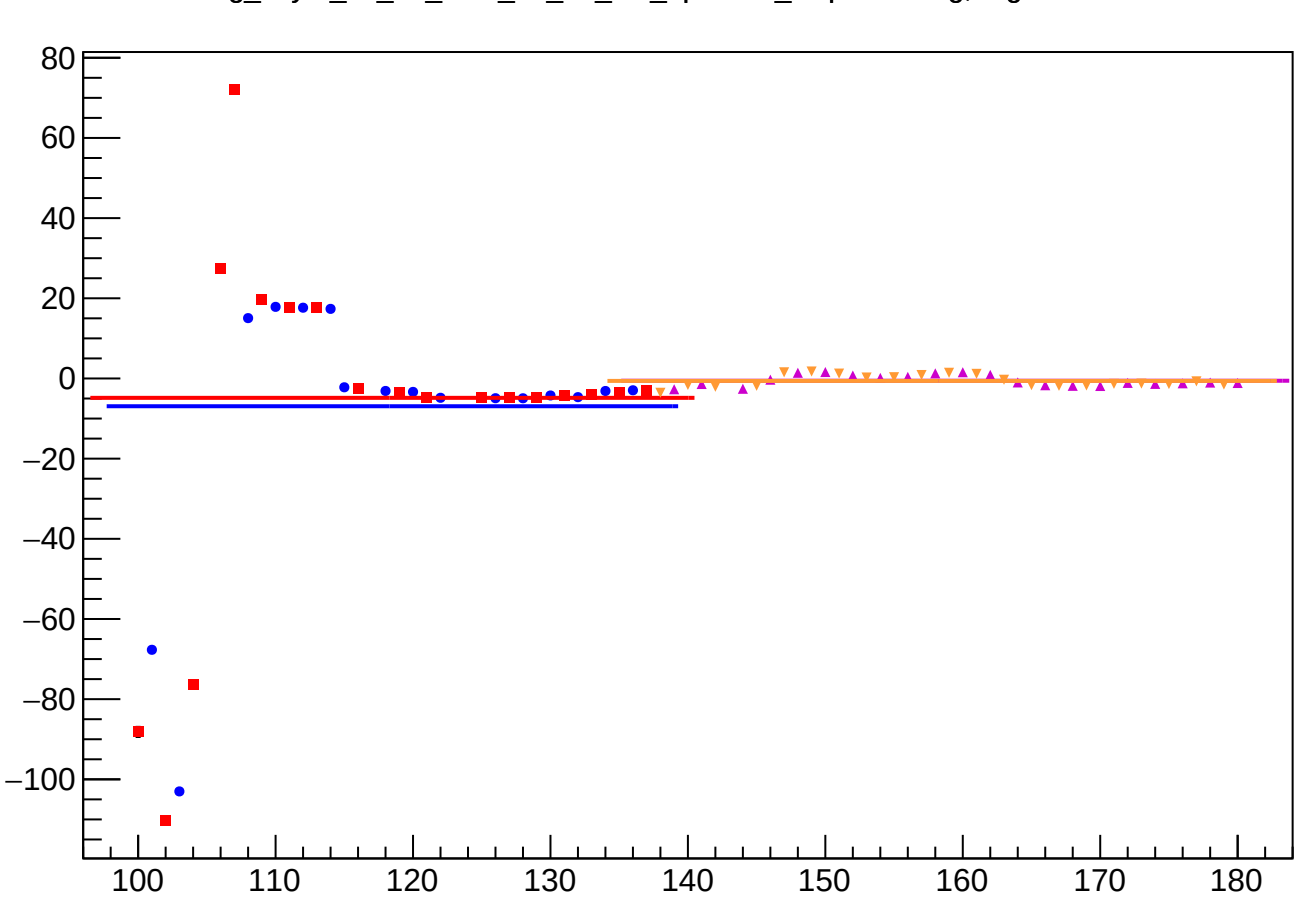
Left: -3.814+/-0.266 χ^2/NDF: 772.1/41

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -3.136+/-0.341 χ^2/NDF:508.1/36

Out: -2.907+/-0.346 χ^2/NDF:433.6/38

All: -3.023+/-0.243 χ^2/NDF: 941.9/75



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.609+/-0.017 χ^2/NDF:6689.4/20

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.568+/-0.017 χ^2/NDF:6237.7/20

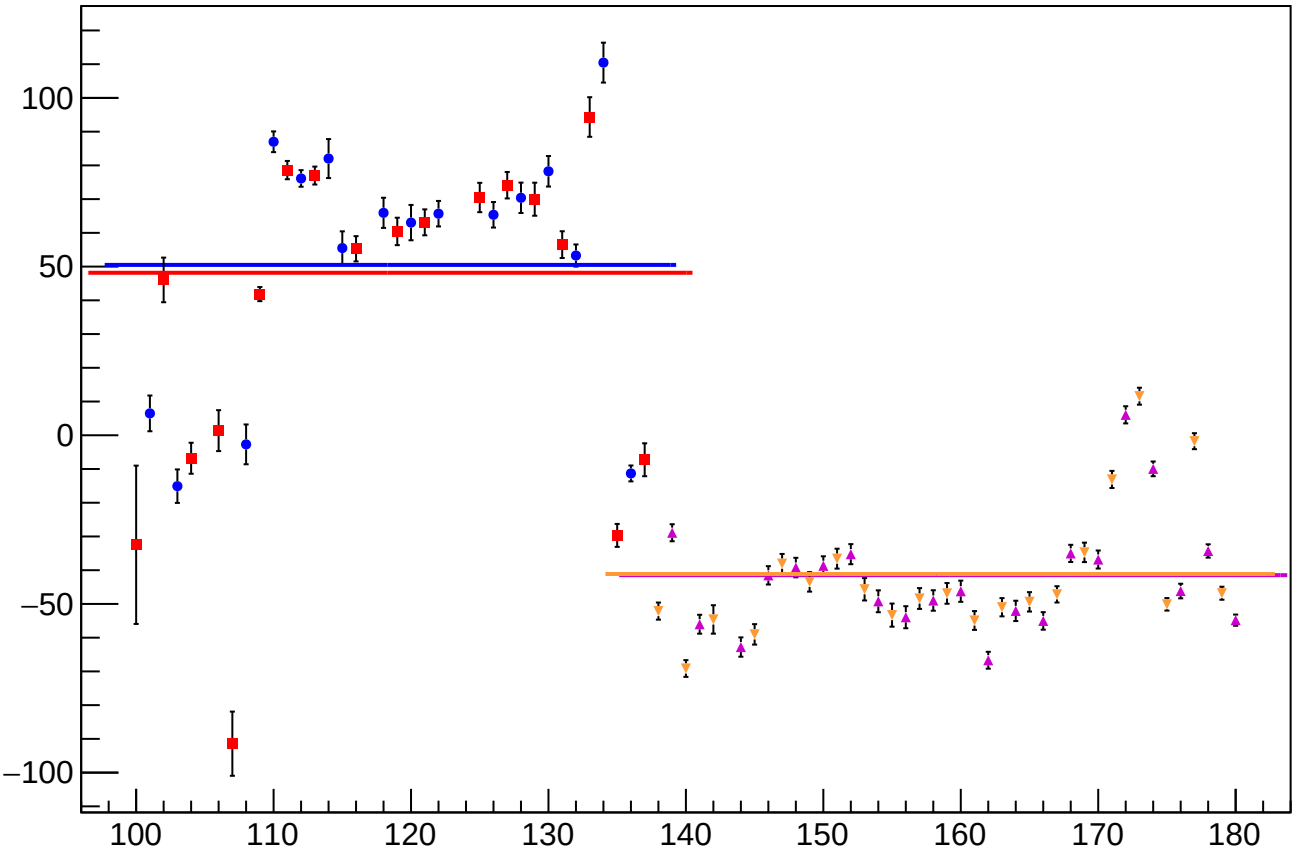
Left: -0.588+/-0.012 χ^2/NDF: 12930.0/41

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.232+/-0.016 χ^2/NDF:286802.5/36

Out: -1.006+/-0.016 χ^2/NDF:351850.6/38

All: -1.122+/-0.011 χ^2/NDF: 638754.1/75



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -41.125+/-0.582 χ^2/NDF:1146.0/20

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.467+/-0.558 χ^2/NDF:933.0/20

Left: -41.303+/-0.403 χ^2/NDF: 2079.2/41

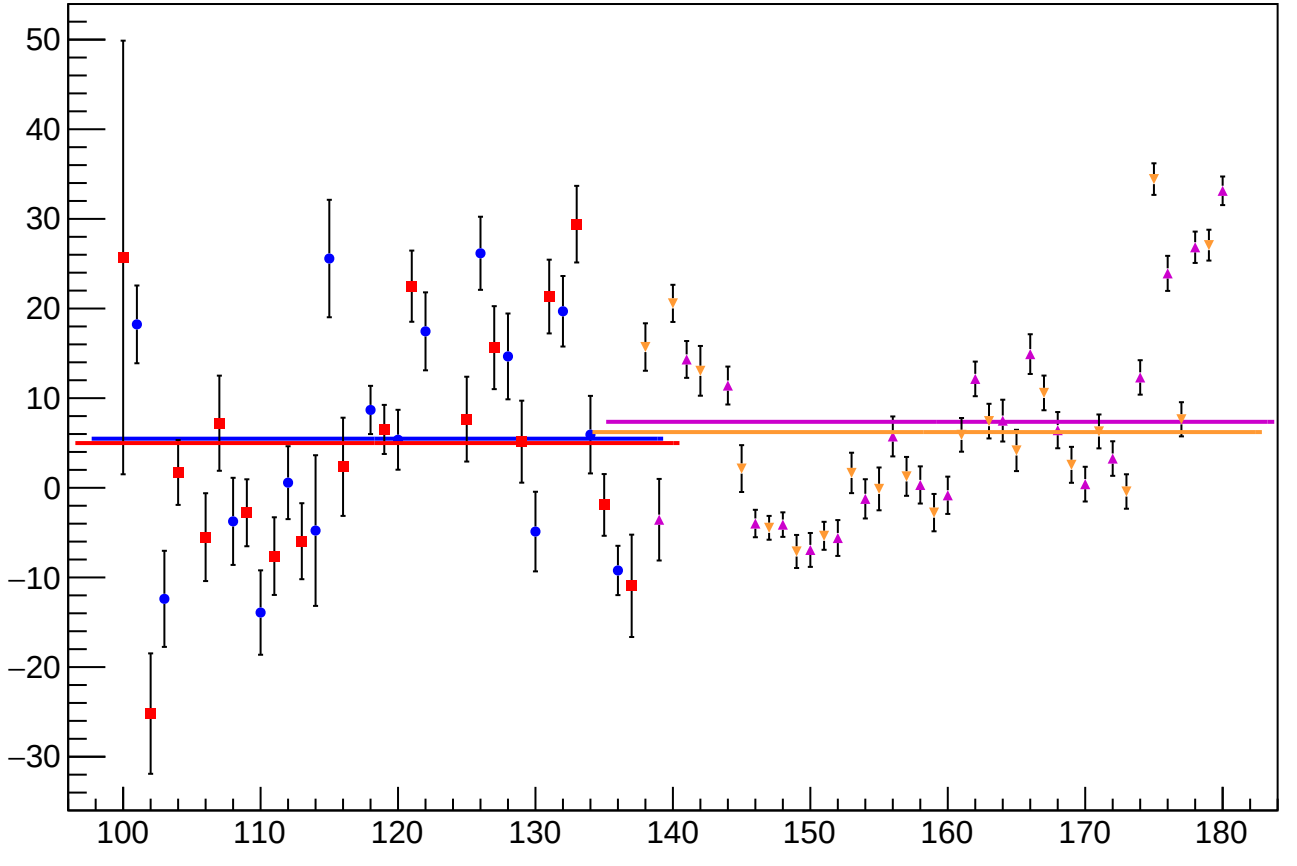
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -18.423+/-0.483 χ^2/NDF:9239.2/36

Out: -15.381+/-0.491 χ^2/NDF:9454.5/38

All: -16.926+/-0.344 χ^2/NDF: 18713.2/75

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 6.217+/-0.427 χ^2/NDF:701.3/20

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 7.361+/-0.424 χ^2/NDF:786.9/20

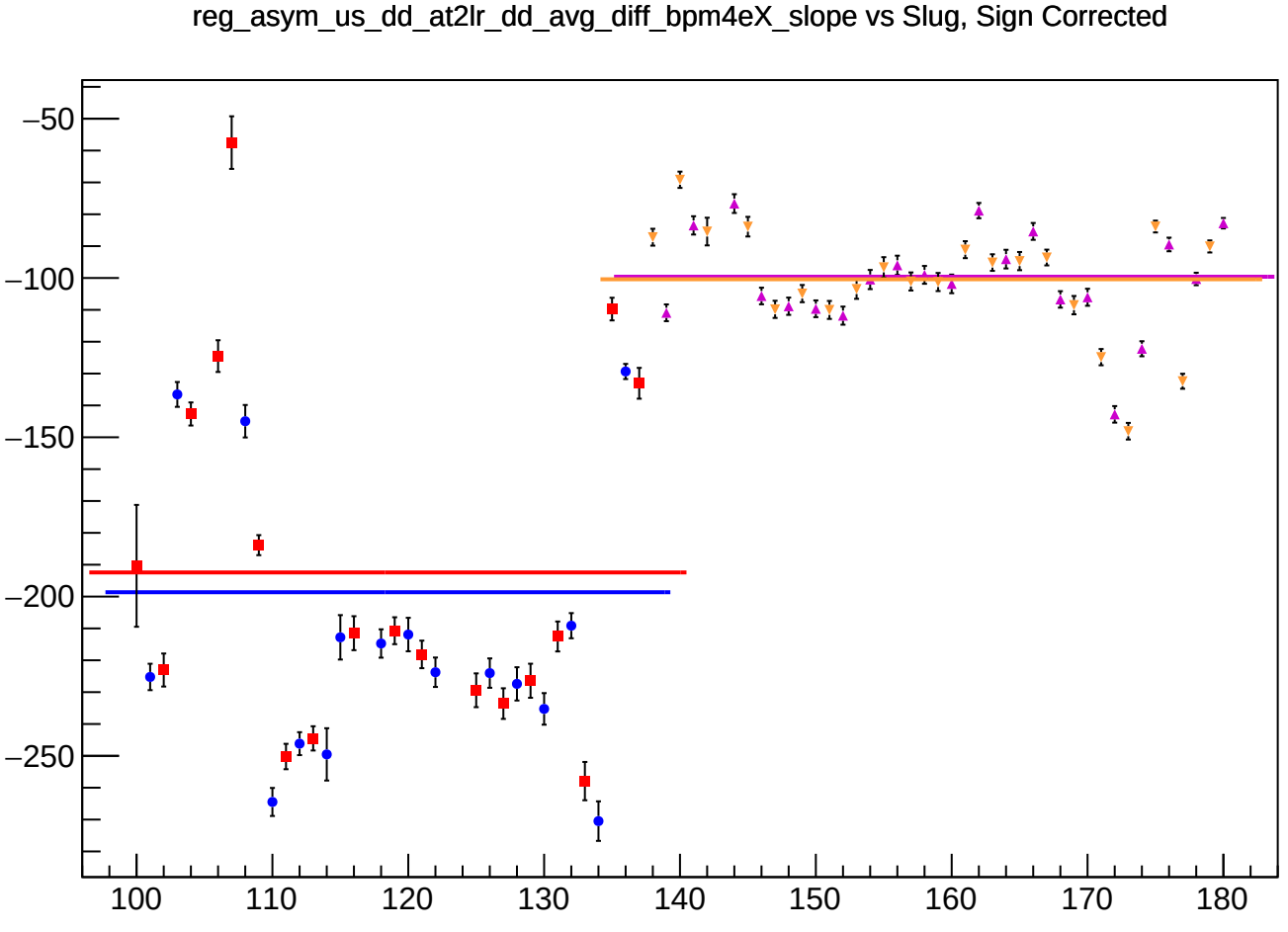
Left: 6.793+/-0.301 χ^2/NDF: 1491.8/41

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

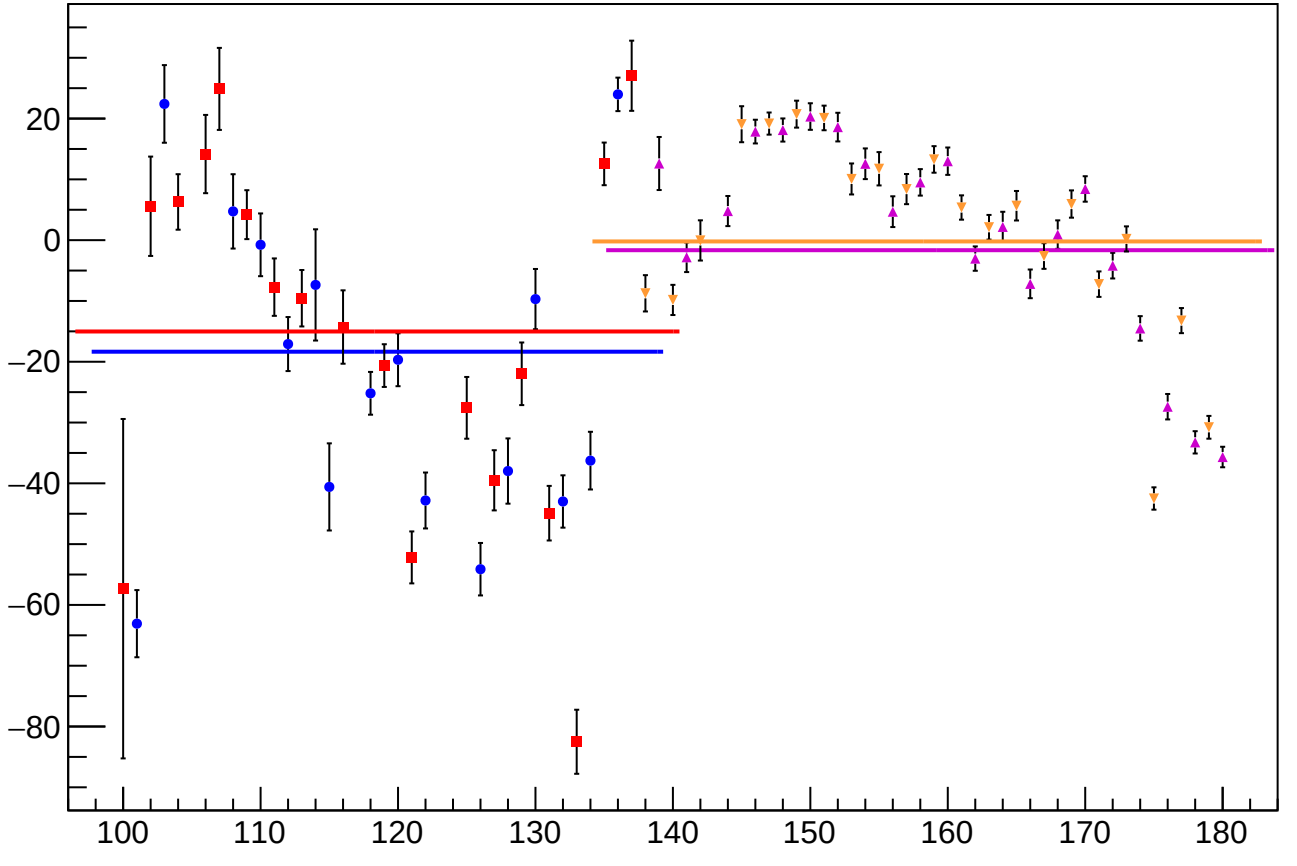
In: 7.085+/-0.392 χ^2/NDF:928.0/36

Out: 6.034+/-0.394 χ^2/NDF:834.3/38

All: 6.563+/-0.278 χ^2/NDF: 1765.9/75


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -100.402+/-0.572 χ²/NDF:1000.0/20
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -99.601+/-0.551 χ²/NDF:779.1/20
Left: -99.986+/-0.397 χ²/NDF: 1780.1/41
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -119.938+/-0.491 χ²/NDF:9422.4/36
Out: -120.588+/-0.506 χ²/NDF:8809.5/38
All: -120.253+/-0.352 χ²/NDF: 18232.7/75

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.210+/-0.485 χ^2/NDF:1325.5/20

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: -1.651+/-0.478 χ^2/NDF:1436.7/20

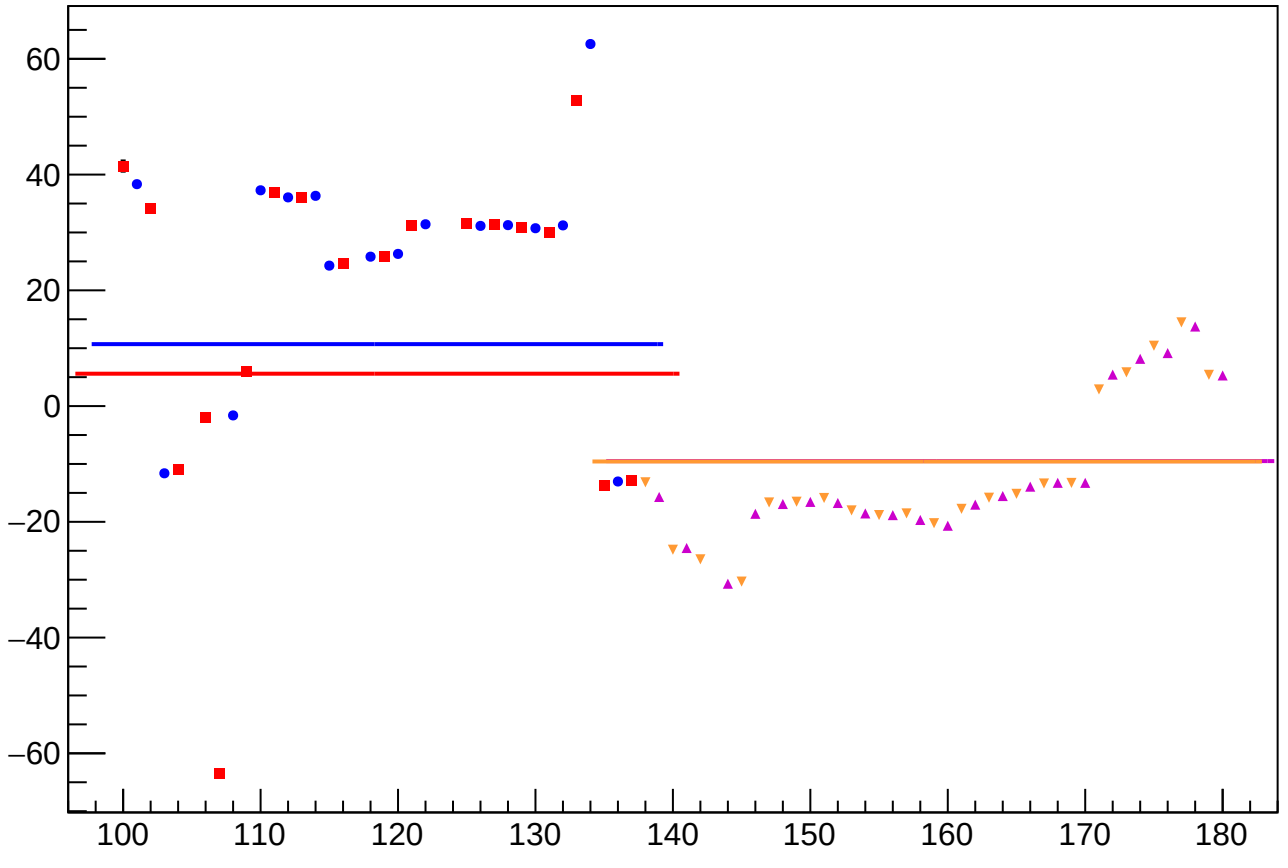
Left: -0.941+/-0.340 χ^2/NDF: 2766.7/41

Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -4.075+/-0.442 χ^2/NDF:2157.9/36

Out: -2.407+/-0.447 χ^2/NDF:2010.3/38

All: -3.252+/-0.314 χ^2/NDF: 4175.3/75



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -9.572+/-0.022 χ^2/NDF:336828.6/20

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -9.506+/-0.021 χ^2/NDF:348797.8/20

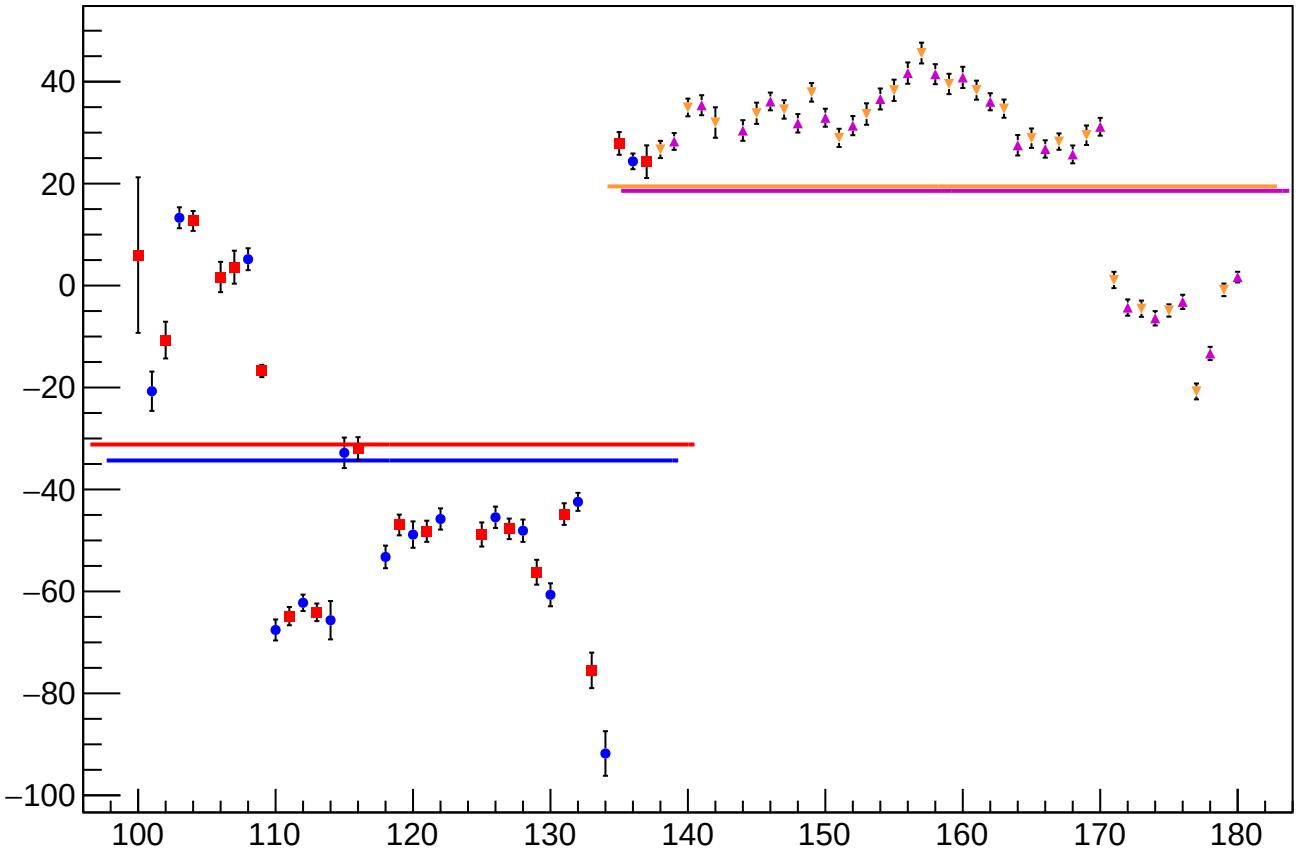
Left: -9.538+/-0.015 χ^2/NDF: 685631.1/41

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -7.454+/-0.020 χ^2/NDF:606403.7/36

Out: -7.980+/-0.021 χ^2/NDF:542670.0/38

All: -7.709+/-0.014 χ^2/NDF: 1149408.2/75



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 19.456+/-0.379 χ^2/NDF:2717.5/20

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 18.581+/-0.363 χ^2/NDF:2709.7/20

Left: 19.000+/-0.262 χ^2/NDF: 5429.9/41

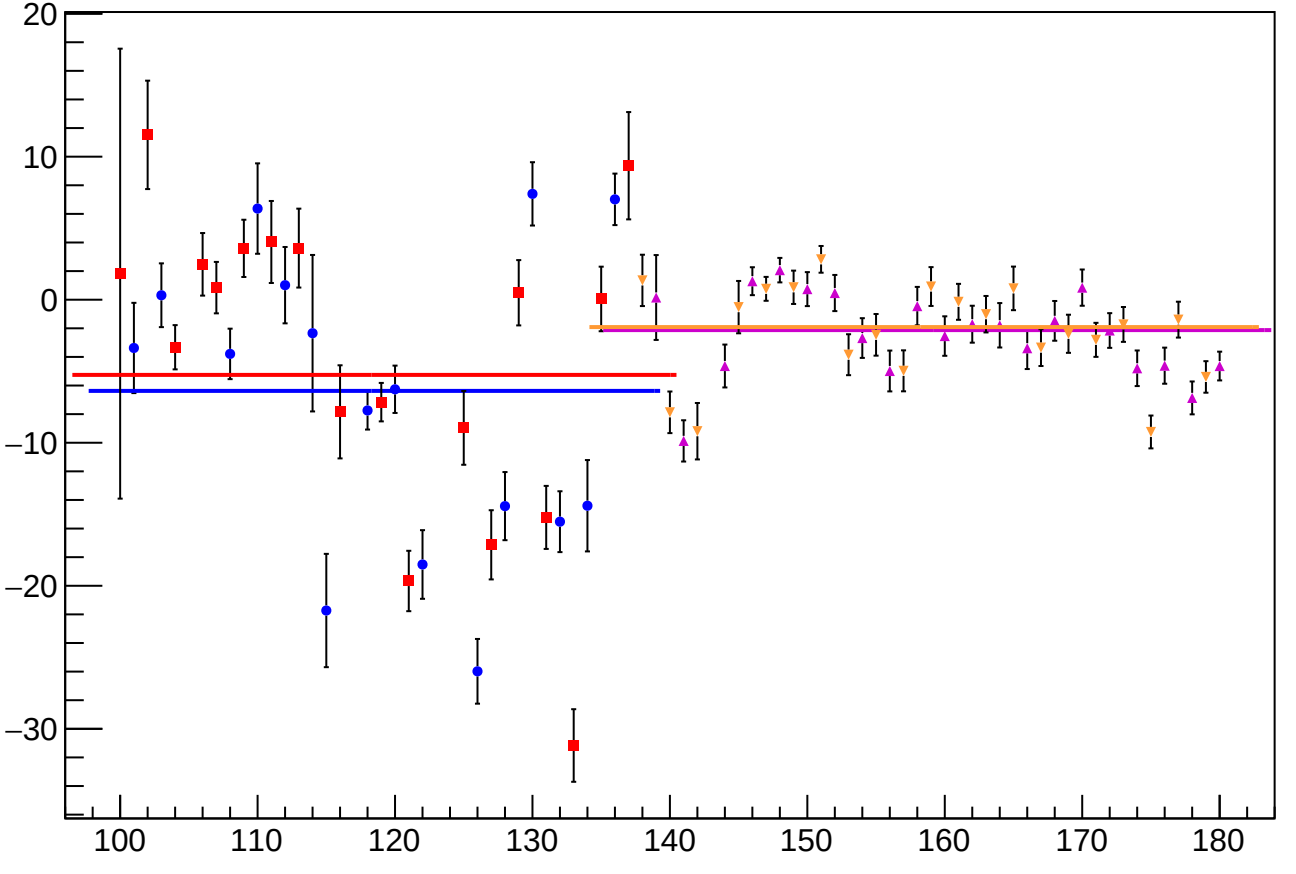
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 2.443+/-0.303 χ^2/NDF:12689.8/36

Out: 1.708+/-0.305 χ^2/NDF:12177.2/38

All: 2.079+/-0.215 χ^2/NDF: 24870.0/75

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.914+/-0.276 χ^2/NDF:145.4/20

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.125+/-0.275 χ^2/NDF:122.7/20

Left: -2.020+/-0.195 χ^2/NDF: 268.3/41

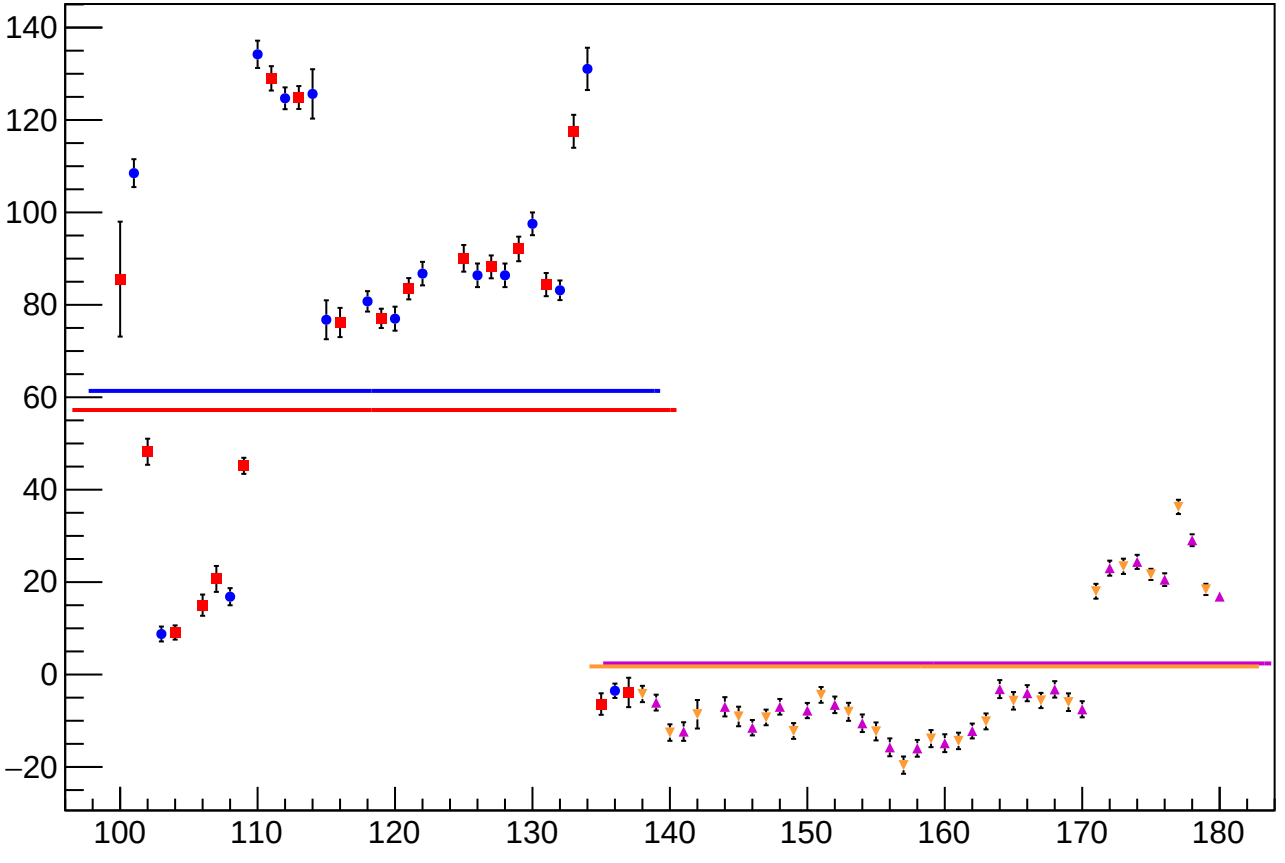
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.967+/-0.246 χ^2/NDF:453.6/36

Out: -2.623+/-0.245 χ^2/NDF:489.3/38

All: -2.794+/-0.174 χ^2/NDF: 943.9/75

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: 1.756+/-0.372 χ^2/NDF:1931.8/20

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 2.402+/-0.358 χ^2/NDF:1890.4/20

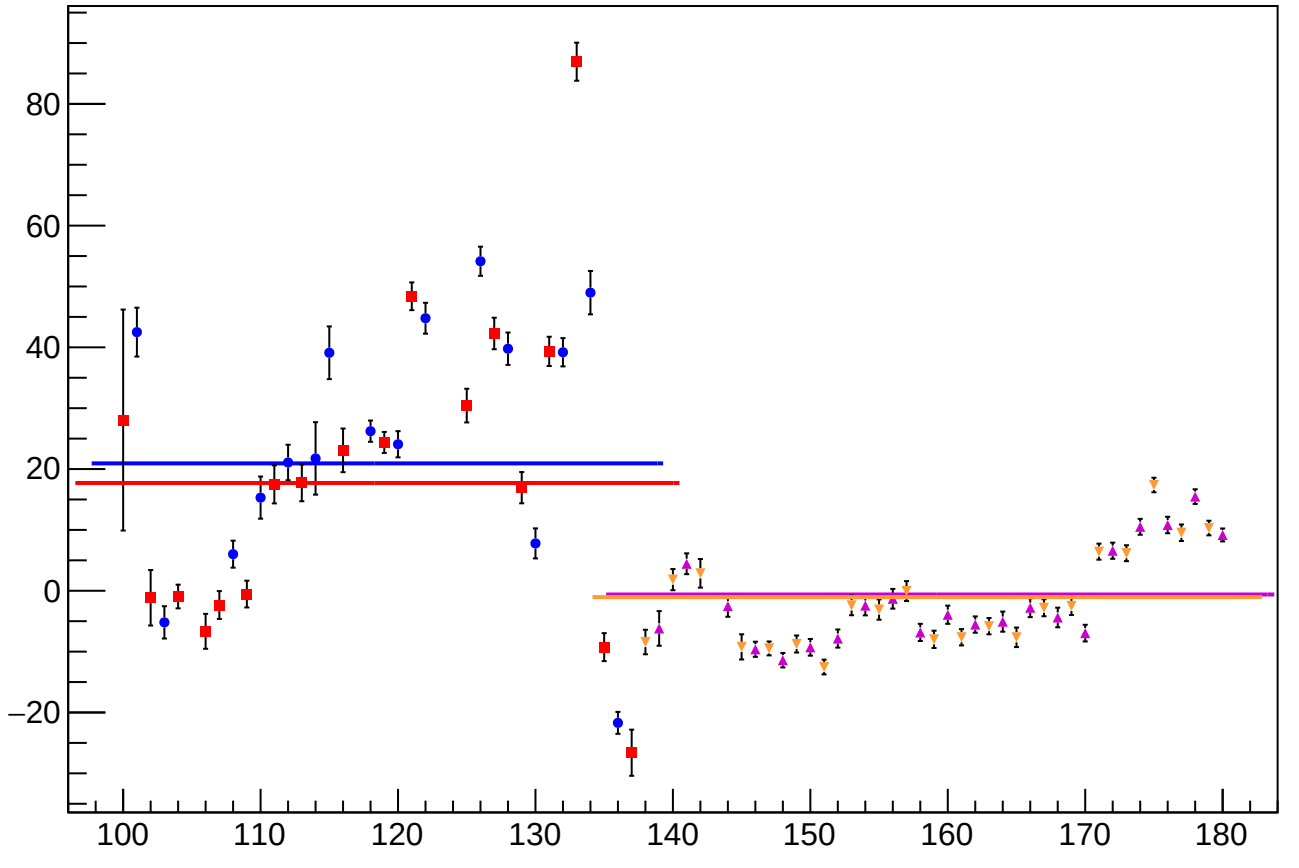
Left: 2.091+/-0.258 χ^2/NDF: 3823.8/41

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.089+/-0.307 χ^2/NDF:15185.1/36

Out: 17.929+/-0.313 χ^2/NDF:13678.8/38

All: 18.011+/-0.219 χ^2/NDF: 28864.0/75



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.044+/-0.314 χ^2/NDF:741.4/20

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -0.614+/-0.310 χ^2/NDF:724.0/20

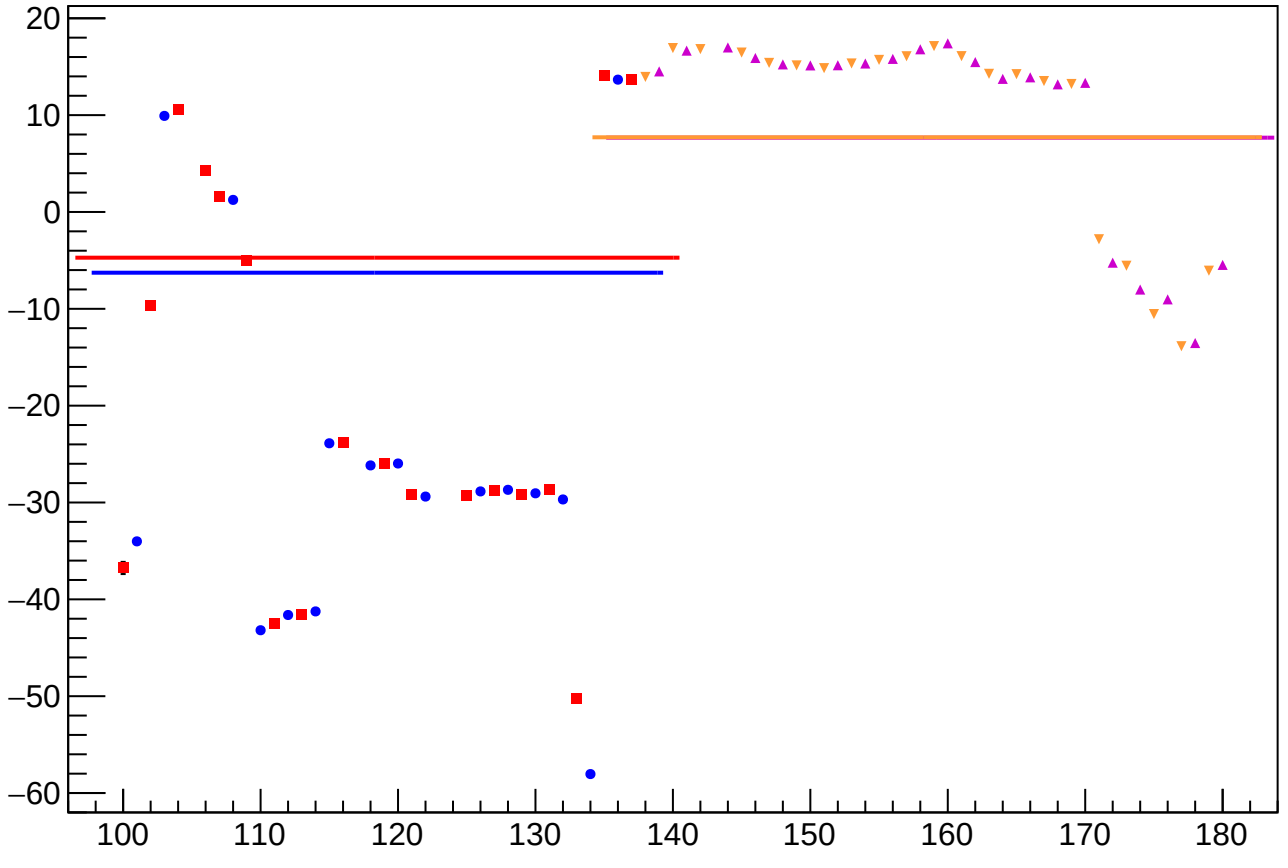
Left: -0.826+/-0.221 χ^2/NDF: 1466.3/41

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 3.488+/-0.279 χ^2/NDF:2886.5/36

Out: 2.812+/-0.280 χ^2/NDF:2954.7/38

All: 3.151+/-0.198 χ^2/NDF: 5844.1/75



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 7.711+/-0.014 χ^2/NDF:605752.5/20

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 7.672+/-0.014 χ^2/NDF:644750.0/20

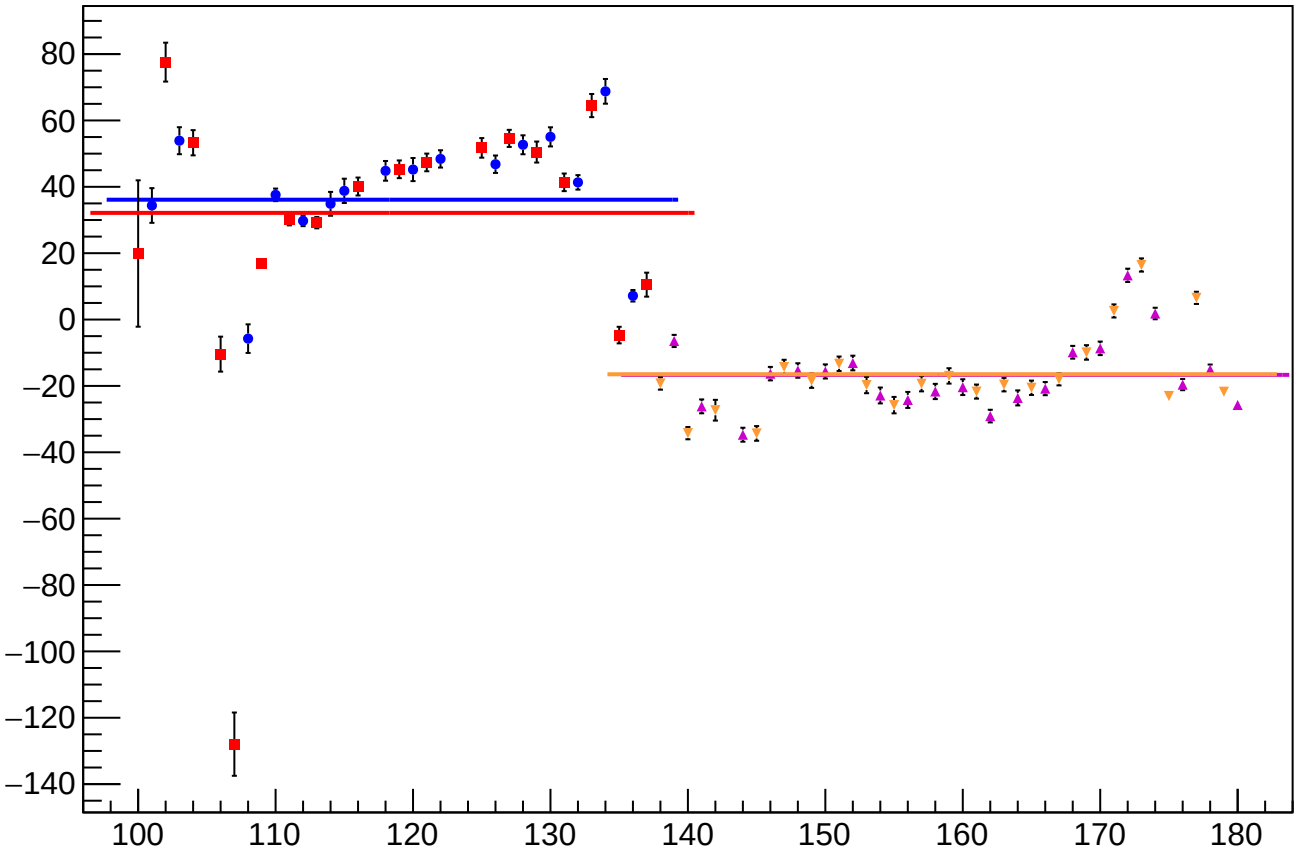
Left: 7.691+/-0.010 χ^2/NDF: 1250506.3/41

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 5.657+/-0.013 χ^2/NDF:1204148.5/36

Out: 5.848+/-0.013 χ^2/NDF:1028160.6/38

All: 5.750+/-0.009 χ^2/NDF: 2232419.1/75



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.489+/-0.443 χ^2/NDF:768.6/20

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -16.667+/-0.426 χ^2/NDF:624.7/20

Left: -16.582+/-0.307 χ^2/NDF: 1393.3/41

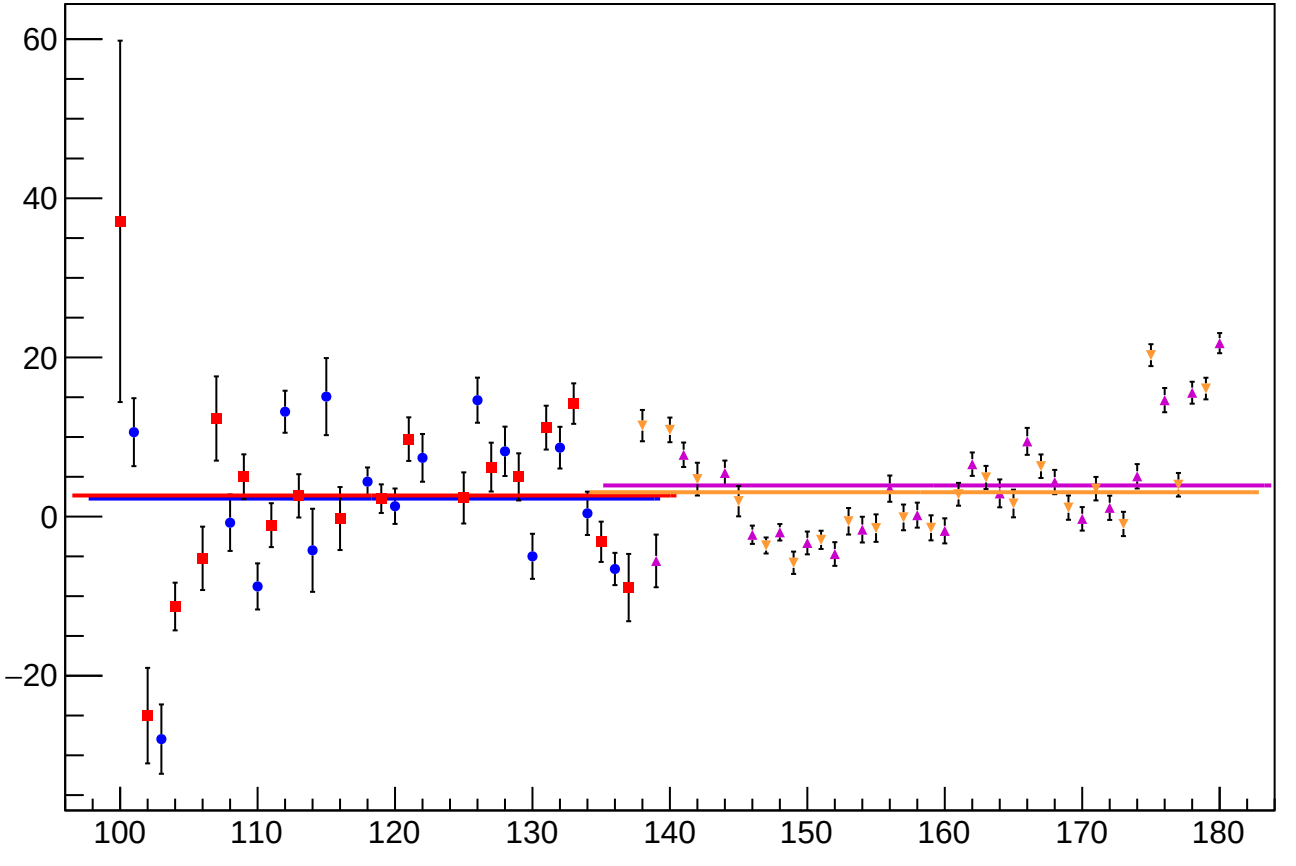
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: -1.004+/-0.358 χ^2/NDF:5795.0/36

Out: -0.436+/-0.362 χ^2/NDF:5868.7/38

All: -0.724+/-0.254 χ^2/NDF: 11665.0/75

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: 3.060+/-0.324 χ^2/NDF:444.4/20

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 3.914+/-0.323 χ^2/NDF:513.7/20

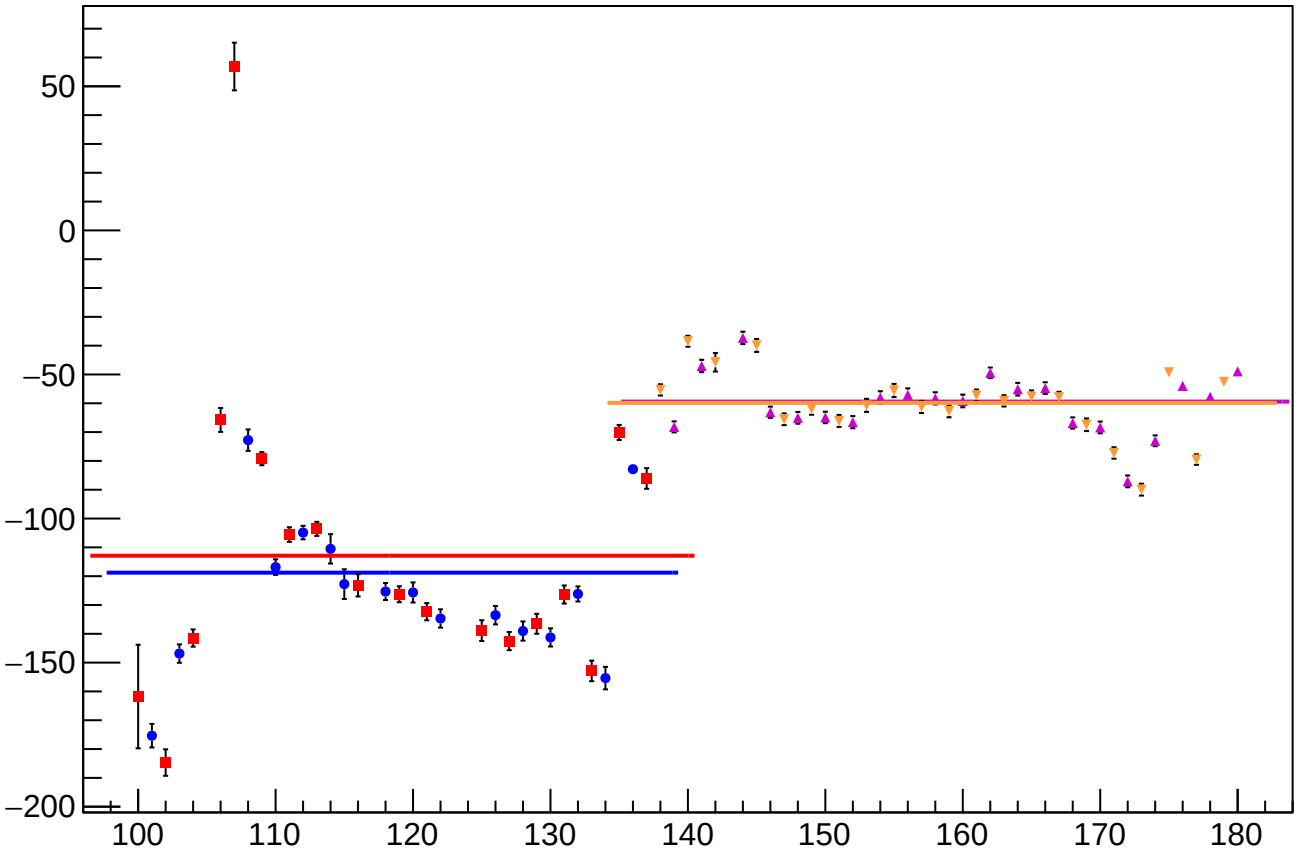
Left: 3.489+/-0.229 χ^2/NDF: 961.6/41

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 3.625+/-0.293 χ^2/NDF:670.2/36

Out: 2.991+/-0.295 χ^2/NDF:551.9/38

All: 3.310+/-0.208 χ^2/NDF: 1224.5/75



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.845+/-0.435 χ^2/NDF:749.6/20

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.412+/-0.420 χ^2/NDF:575.1/20

Left: -59.621+/-0.302 χ^2/NDF: 1325.2/41

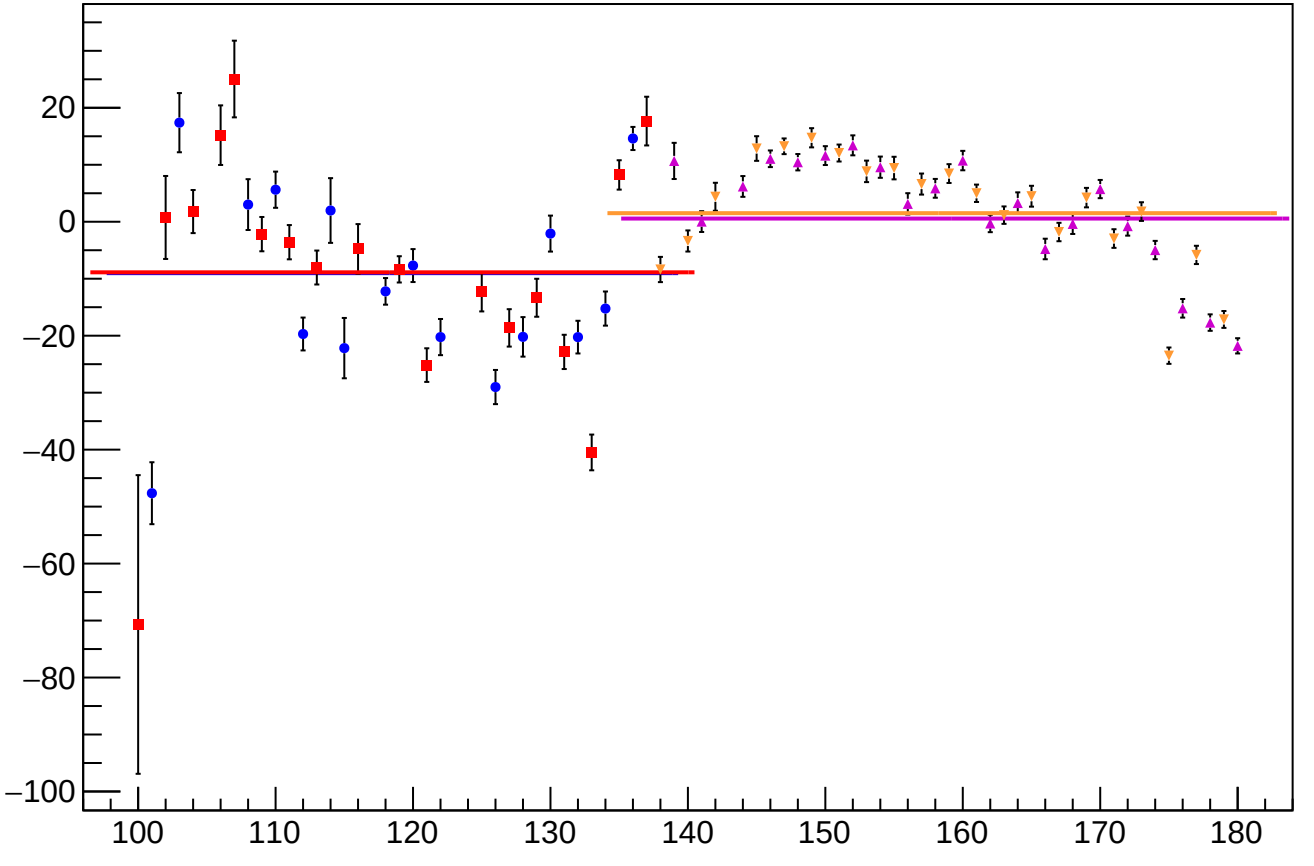
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -73.410+/-0.368 χ^2/NDF:6396.8/36

Out: -72.917+/-0.378 χ^2/NDF:6275.7/38

All: -73.170+/-0.263 χ^2/NDF: 12673.3/75

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: 1.505+/-0.369 χ^2/NDF:803.5/20

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 0.558+/-0.365 χ^2/NDF:854.4/20

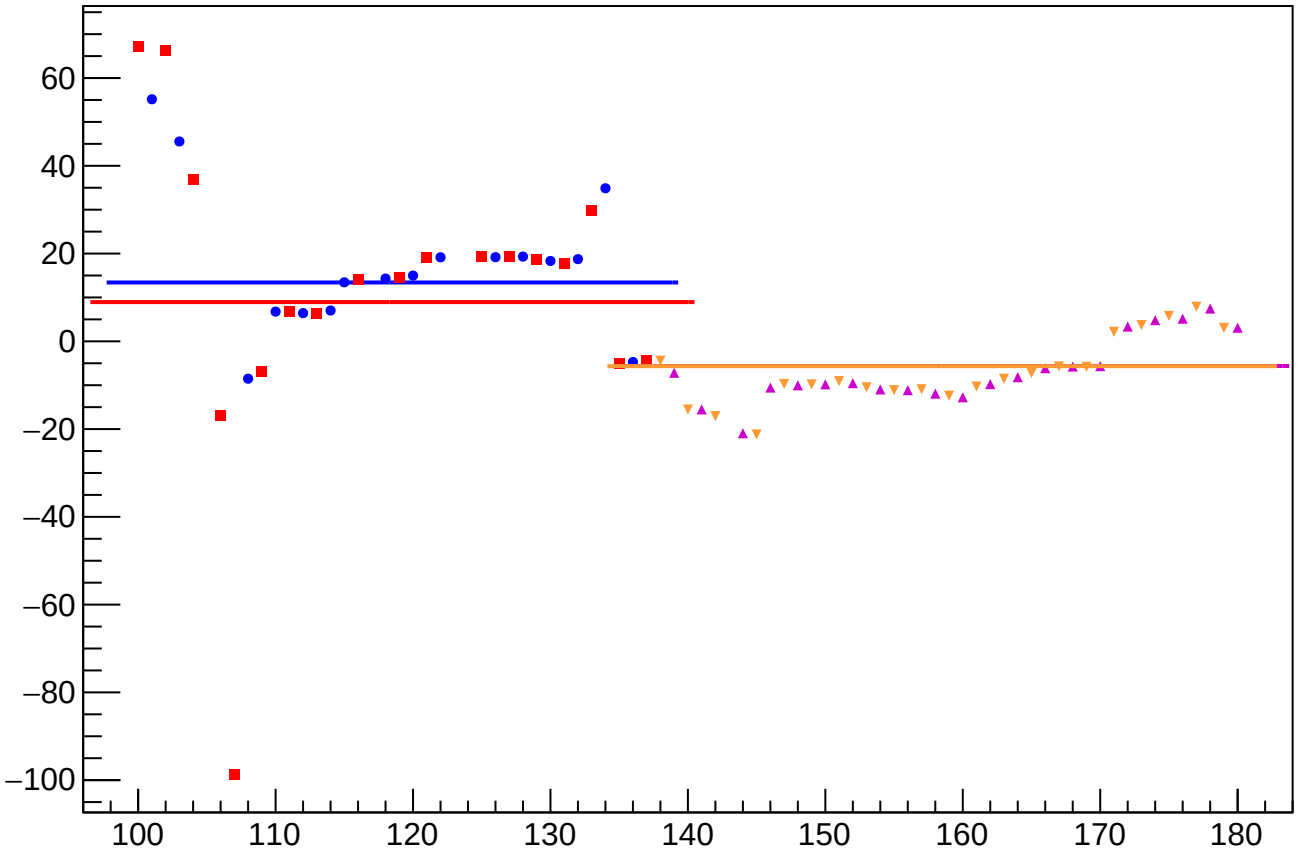
Left: 1.026+/-0.259 χ^2/NDF: 1661.2/41

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -1.105+/-0.331 χ^2/NDF:1332.2/36

Out: -0.274+/-0.335 χ^2/NDF:1258.2/38

All: -0.695+/-0.236 χ^2/NDF: 2593.5/75



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -5.658+/-0.017 χ^2/NDF:206792.4/20

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -5.619+/-0.016 χ^2/NDF:204441.1/20

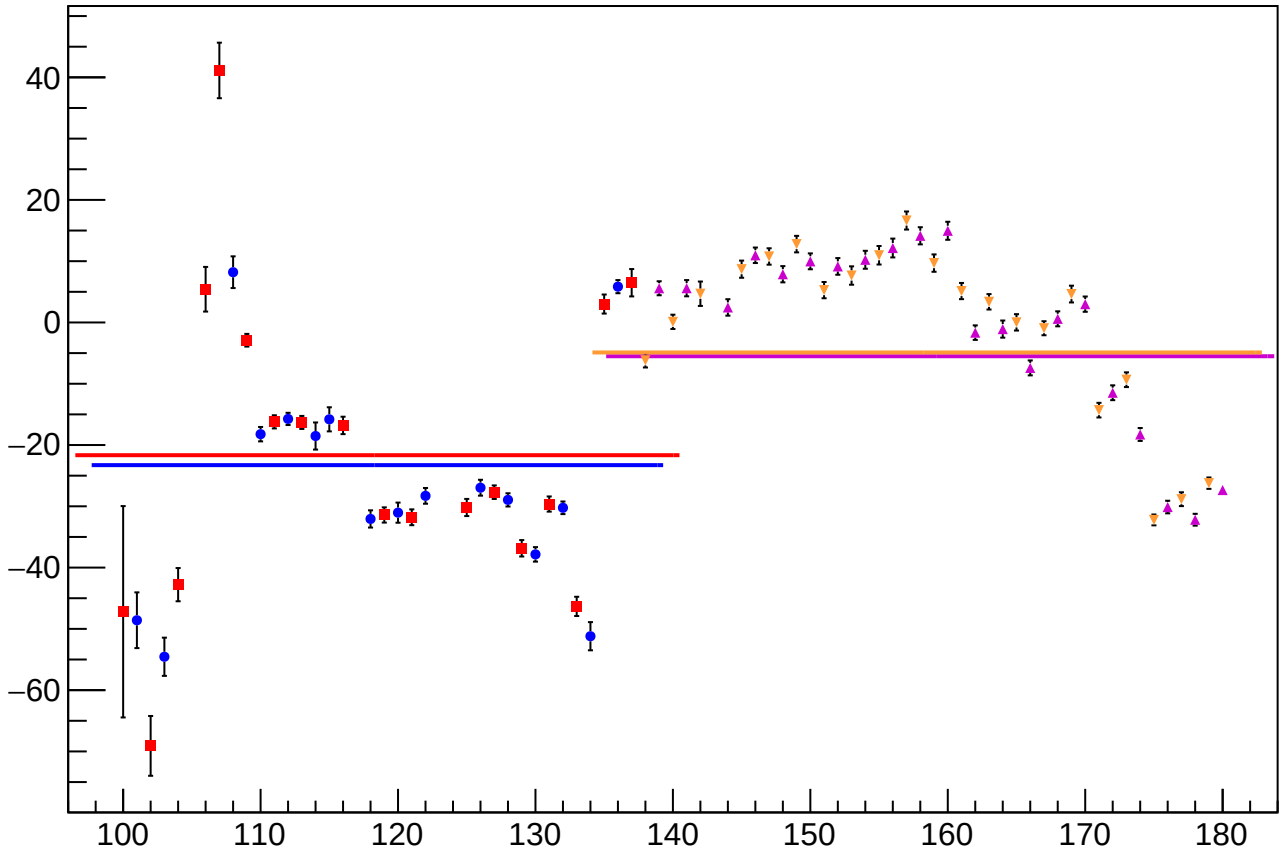
Left: -5.638+/-0.012 χ^2/NDF: 411236.3/41

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -3.482+/-0.015 χ^2/NDF:544950.0/36

Out: -4.073+/-0.016 χ^2/NDF:582504.1/38

All: -3.769+/-0.011 χ^2/NDF: 1128189.4/75



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -4.894+/-0.273 χ^2/NDF:3179.2/20

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -5.511+/-0.263 χ^2/NDF:3723.2/20

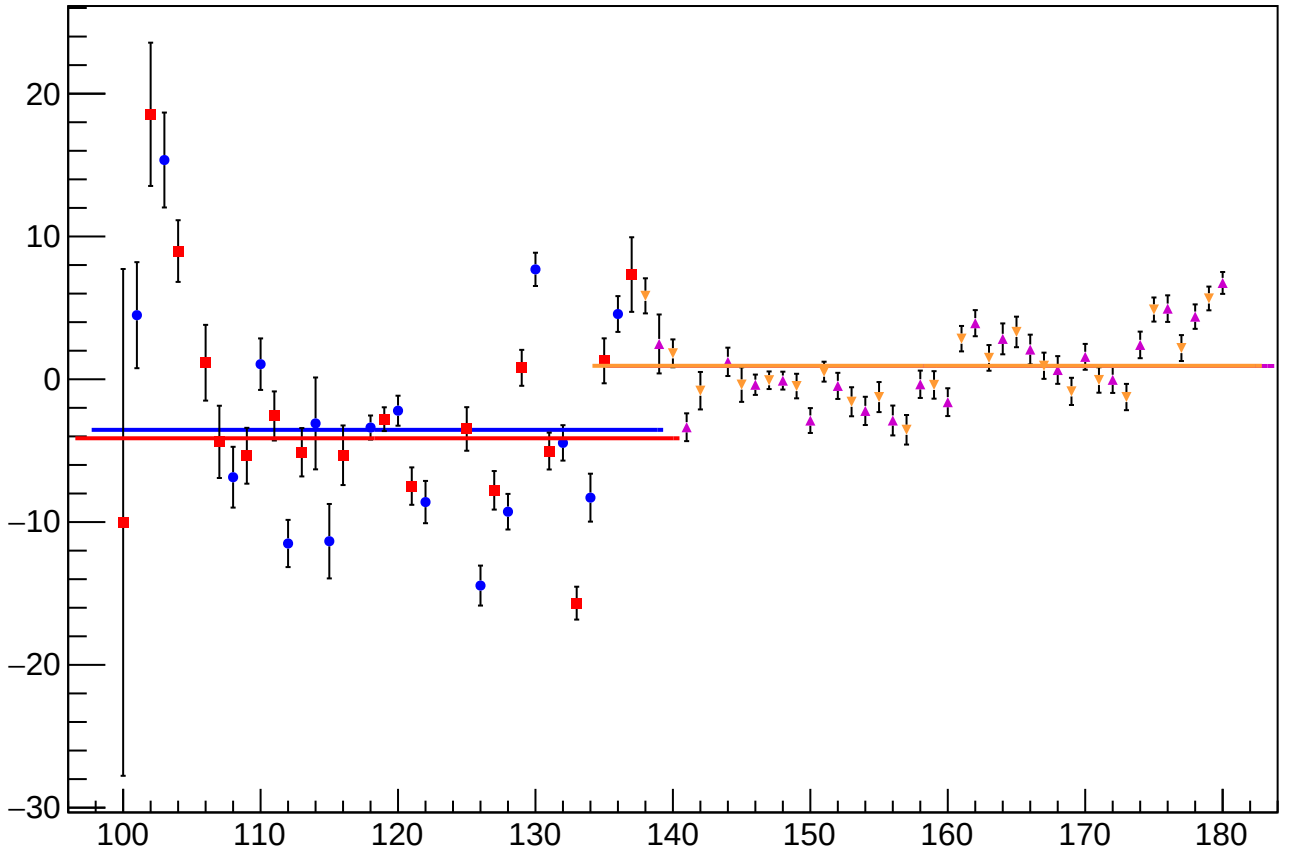
Left: -5.214+/-0.189 χ^2/NDF: 6905.1/41

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -11.912+/-0.210 χ^2/NDF:6936.7/36

Out: -11.297+/-0.215 χ^2/NDF:6432.9/38

All: -11.611+/-0.150 χ^2/NDF: 13373.8/75



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.943+/-0.200 χ^2/NDF:132.6/20

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.930+/-0.199 χ^2/NDF:191.4/20

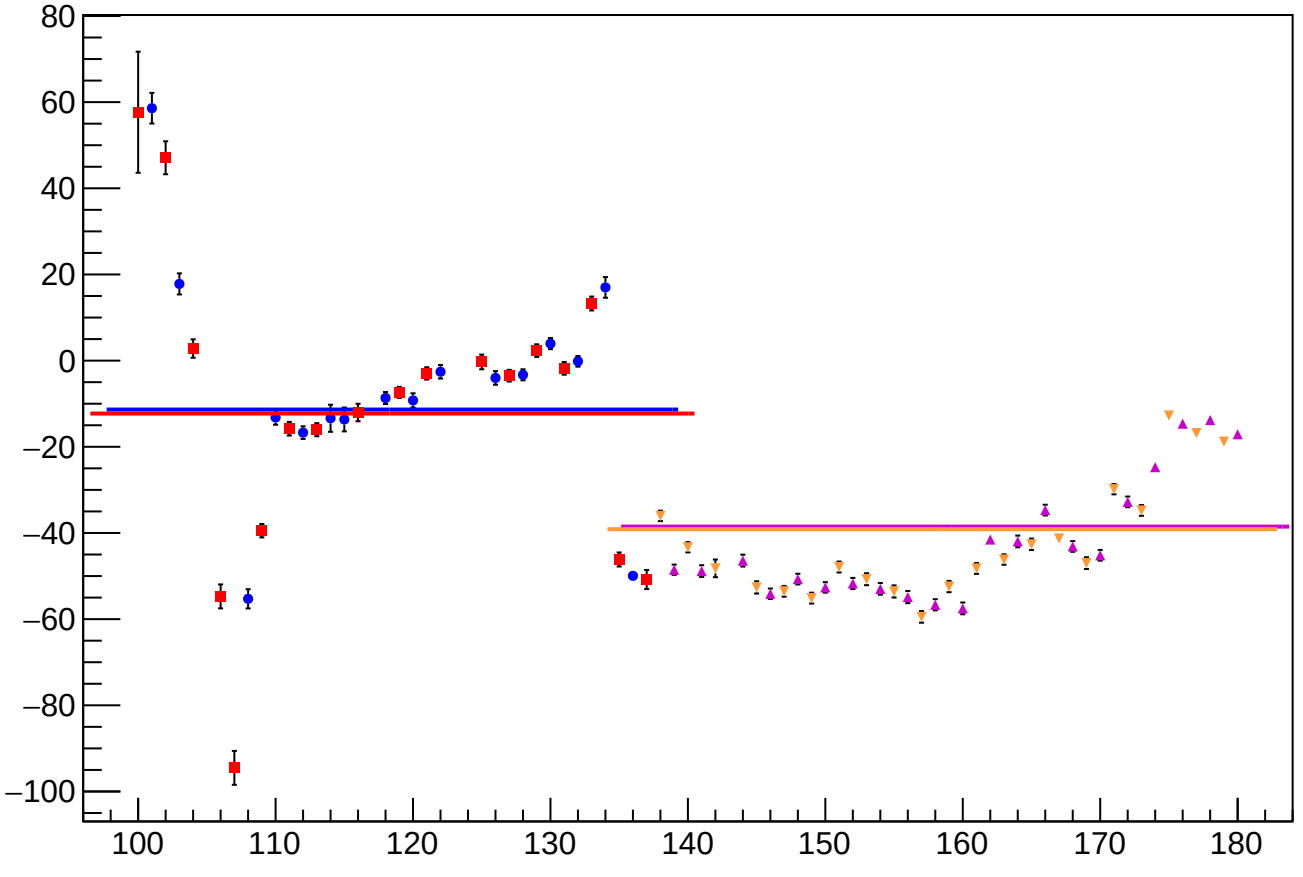
Left: 0.937+/-0.141 χ^2/NDF: 324.1/41

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.105+/-0.174 χ^2/NDF:625.0/36

Out: -0.199+/-0.176 χ^2/NDF:505.4/38

All: -0.152+/-0.124 χ^2/NDF: 1130.5/75



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.125+/-0.268 χ^2/NDF:2954.5/20

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -38.519+/-0.259 χ^2/NDF:3489.0/20

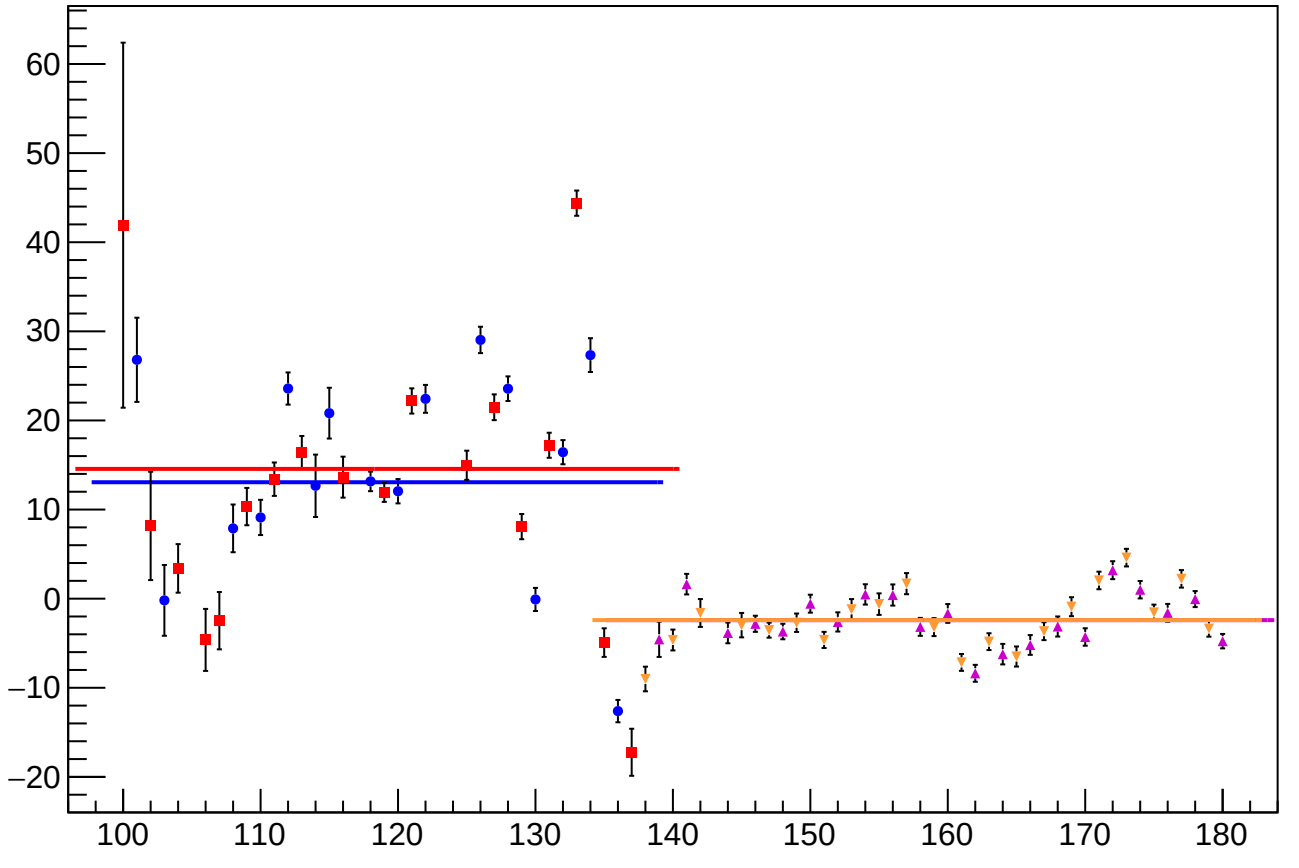
Left: -38.811+/-0.186 χ^2/NDF: 6446.2/41

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -30.646+/-0.218 χ^2/NDF:9334.7/36

Out: -31.160+/-0.225 χ^2/NDF:8514.0/38

All: -30.895+/-0.157 χ^2/NDF: 17851.4/75



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.404+/-0.227 χ^2/NDF:194.0/20

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.408+/-0.225 χ^2/NDF:154.0/20

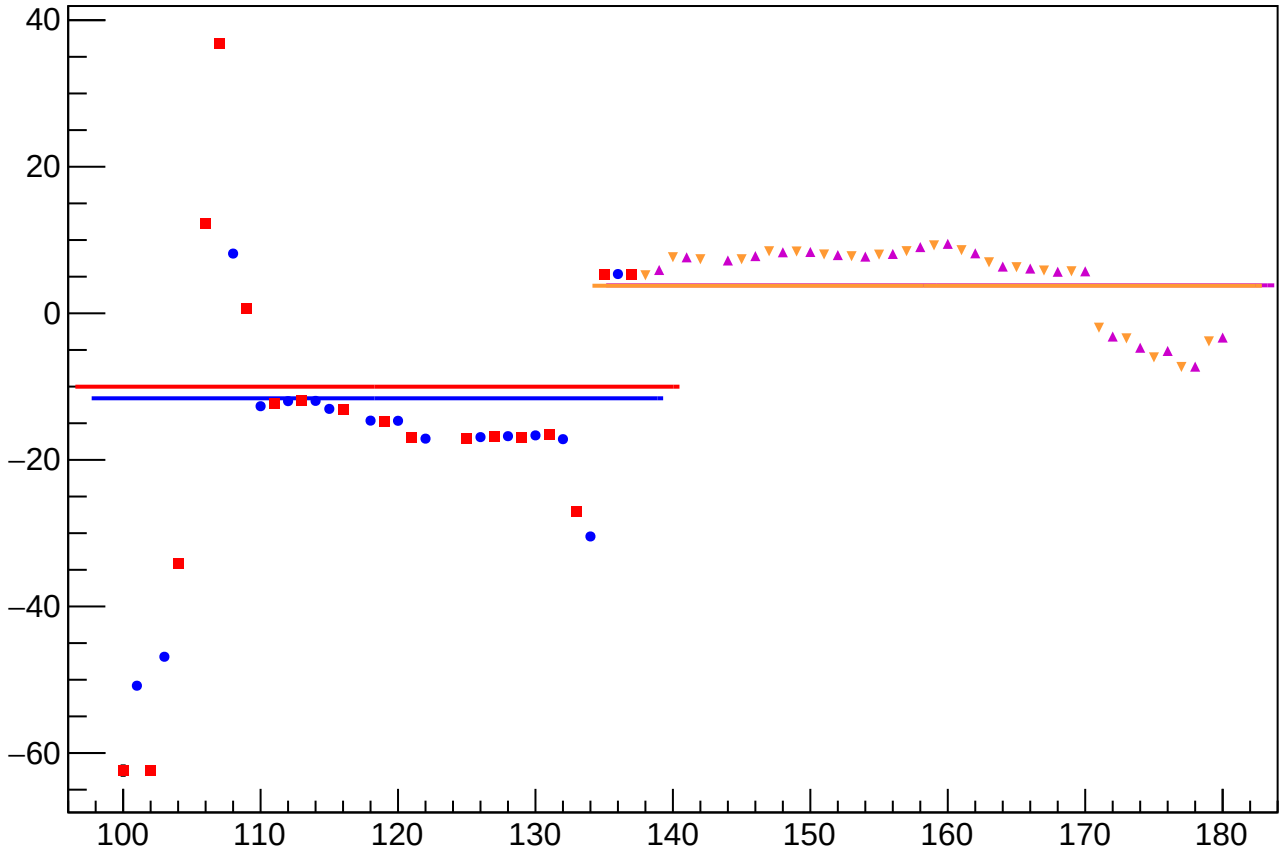
Left: -2.406+/-0.160 χ^2/NDF: 348.0/41

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.102+/-0.198 χ^2/NDF:2093.8/36

Out: 1.397+/-0.200 χ^2/NDF:2348.6/38

All: 1.248+/-0.141 χ^2/NDF: 4443.5/75



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.764+/-0.010 χ^2/NDF:314834.6/20

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 3.818+/-0.010 χ^2/NDF:327153.0/20

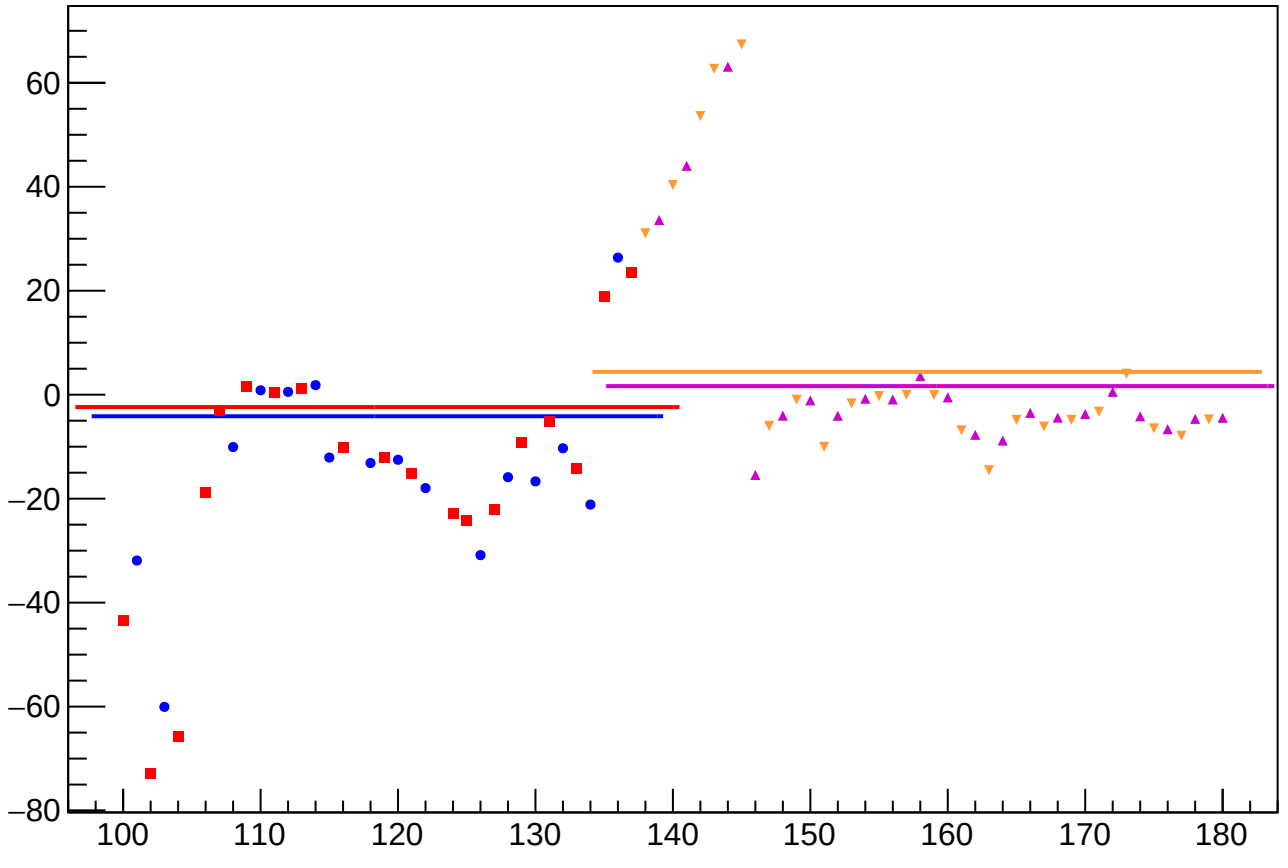
Left: 3.792+/-0.007 χ^2/NDF: 642002.0/41

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.896+/-0.009 χ^2/NDF:988109.5/36

Out: 2.092+/-0.010 χ^2/NDF:932494.0/38

All: 1.991+/-0.007 χ^2/NDF: 1920820.5/75



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 4.388+/-0.048 χ^2/NDF:170966.2/21

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 1.651+/-0.043 χ^2/NDF:130731.6/20

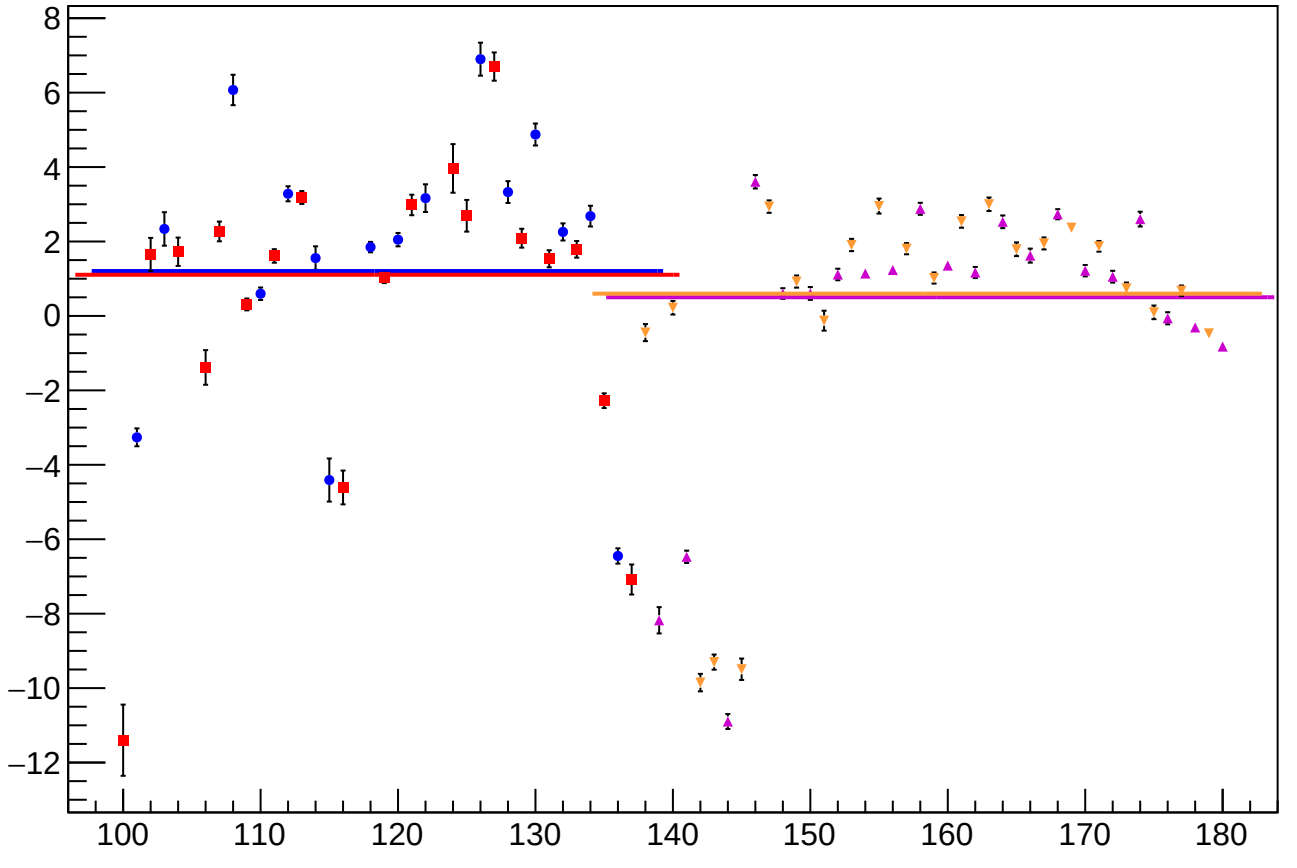
Left: 2.869+/-0.032 χ^2/NDF: 303485.7/42

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.576+/-0.034 χ^2/NDF:212912.0/36

Out: 0.854+/-0.033 χ^2/NDF:262006.3/40

All: 0.151+/-0.024 χ^2/NDF: 475823.0/77



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.598+/-0.036 χ^2/NDF:6816.6/21

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.502+/-0.033 χ^2/NDF:7002.6/20

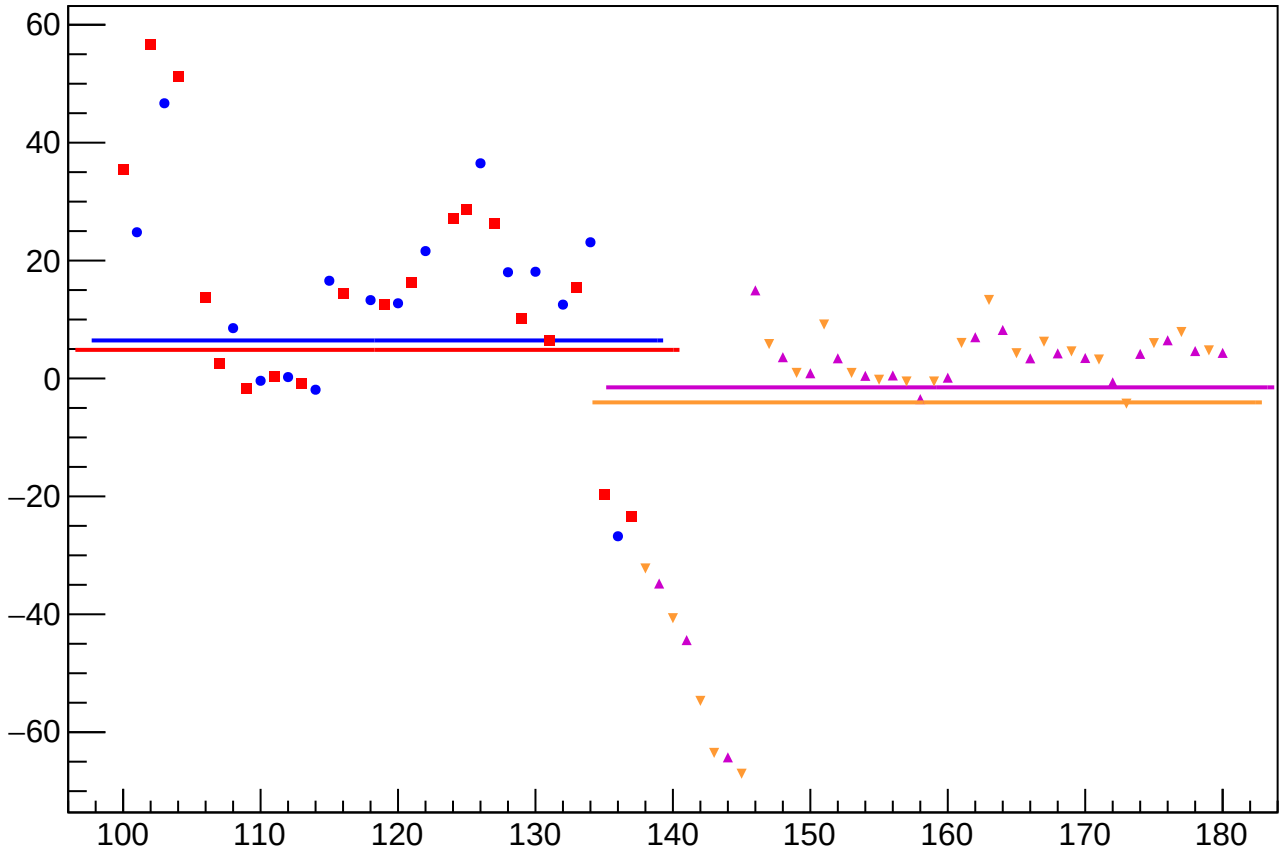
Left: 0.545+/-0.024 χ^2/NDF: 13823.1/42

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.663+/-0.029 χ^2/NDF:9691.8/36

Out: 0.745+/-0.031 χ^2/NDF:8459.7/40

All: 0.701+/-0.021 χ^2/NDF: 18155.3/77



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -4.054+/-0.048 χ^2/NDF:165461.2/21

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -1.505+/-0.042 χ^2/NDF:127537.0/20

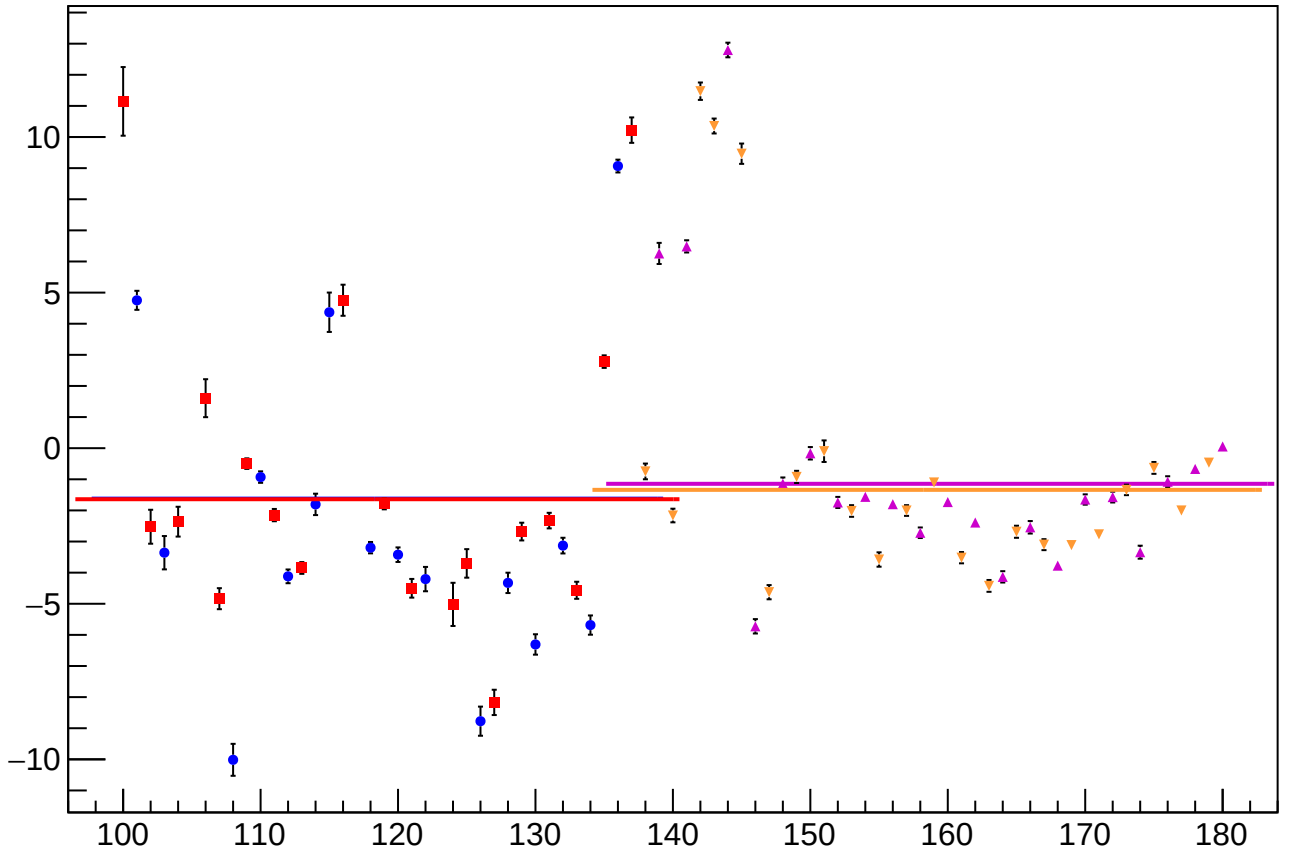
Left: -2.630+/-0.032 χ^2/NDF: 294607.2/42

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.847+/-0.035 χ^2/NDF:208698.9/36

Out: -0.562+/-0.037 χ^2/NDF:254514.2/40

All: 0.173+/-0.026 χ^2/NDF: 463967.5/77



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.339+/-0.041 χ^2/NDF:6780.2/21

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.145+/-0.037 χ^2/NDF:6938.1/20

Left: -1.232+/-0.027 χ^2/NDF: 13730.9/42

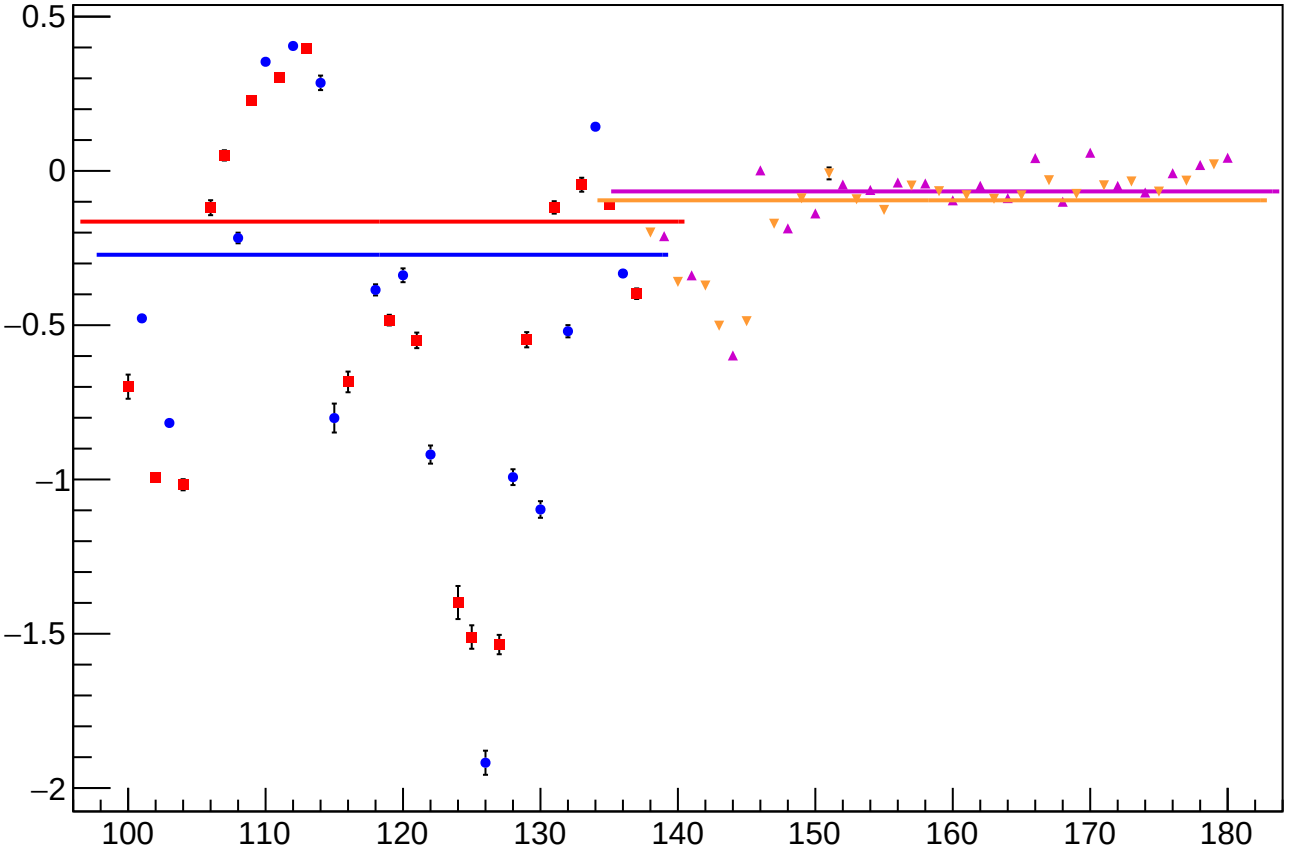
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.248+/-0.032 χ^2/NDF:11500.2/36

Out: -1.425+/-0.034 χ^2/NDF:9257.9/40

All: -1.331+/-0.024 χ^2/NDF: 20772.0/77

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: -0.095+/-0.002 χ^2/NDF:3986.7/21

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.066+/-0.002 χ^2/NDF:4328.5/20

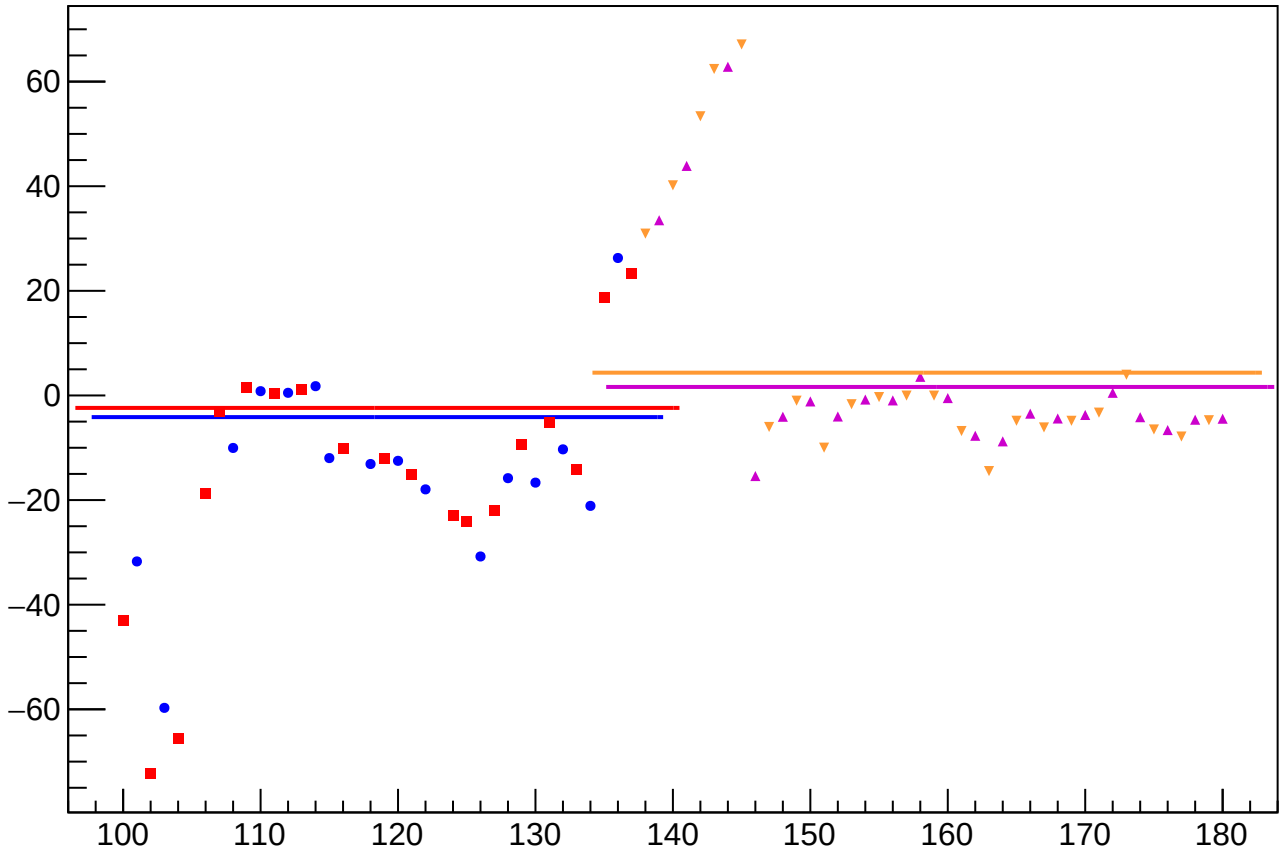
Left: -0.079+/-0.001 χ^2/NDF: 8463.3/42

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.092+/-0.001 χ^2/NDF:18514.0/36

Out: -0.108+/-0.002 χ^2/NDF:19754.3/40

All: -0.099+/-0.001 χ^2/NDF: 38320.4/77



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 4.356+/-0.048 χ^2/NDF:170729.3/21

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 1.627+/-0.043 χ^2/NDF:130616.8/20

Left: 2.843+/-0.032 χ^2/NDF: 303135.0/42

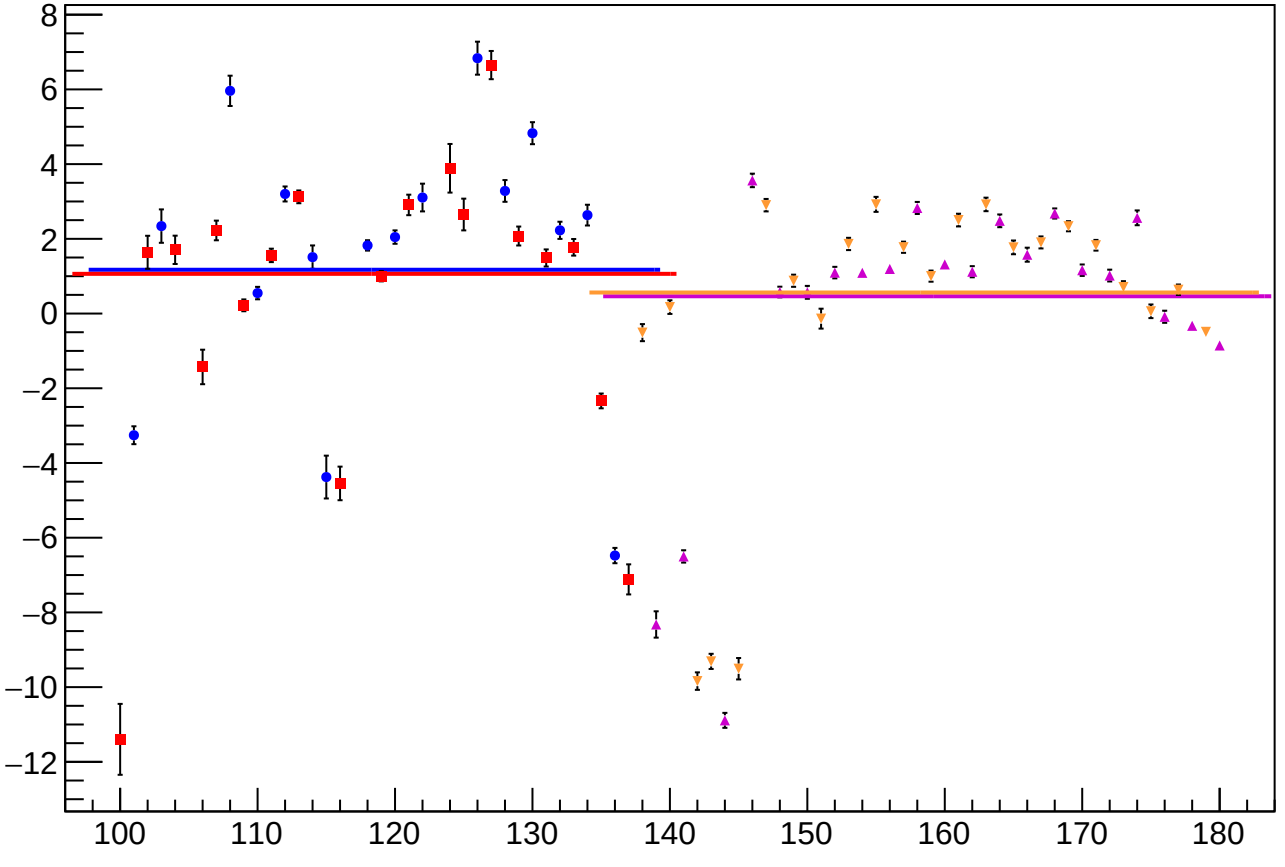
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.597+/-0.034 χ^2/NDF:212770.3/36

Out: 0.830+/-0.033 χ^2/NDF:261686.3/40

All: 0.129+/-0.024 χ^2/NDF: 475366.1/77

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.564+/-0.036 χ^2/NDF:6819.4/21

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.463+/-0.033 χ^2/NDF:7015.5/20

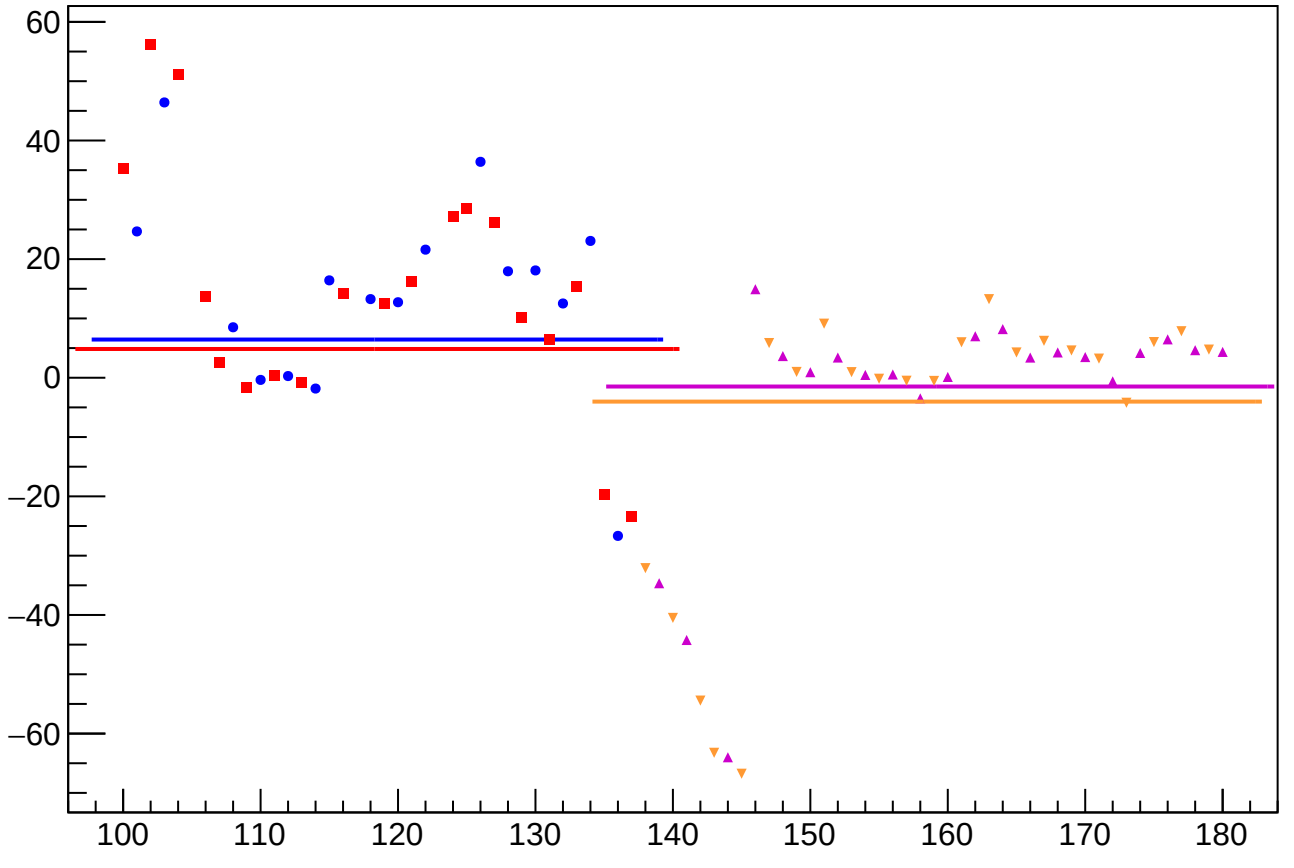
Left: 0.508+/-0.024 χ^2/NDF: 13839.2/42

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.626+/-0.029 χ^2/NDF:9707.3/36

Out: 0.708+/-0.031 χ^2/NDF:8470.6/40

All: 0.664+/-0.021 χ^2/NDF: 18181.8/77



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -4.023+/-0.047 χ^2/NDF:165230.0/21

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -1.481+/-0.042 χ^2/NDF:127422.3/20

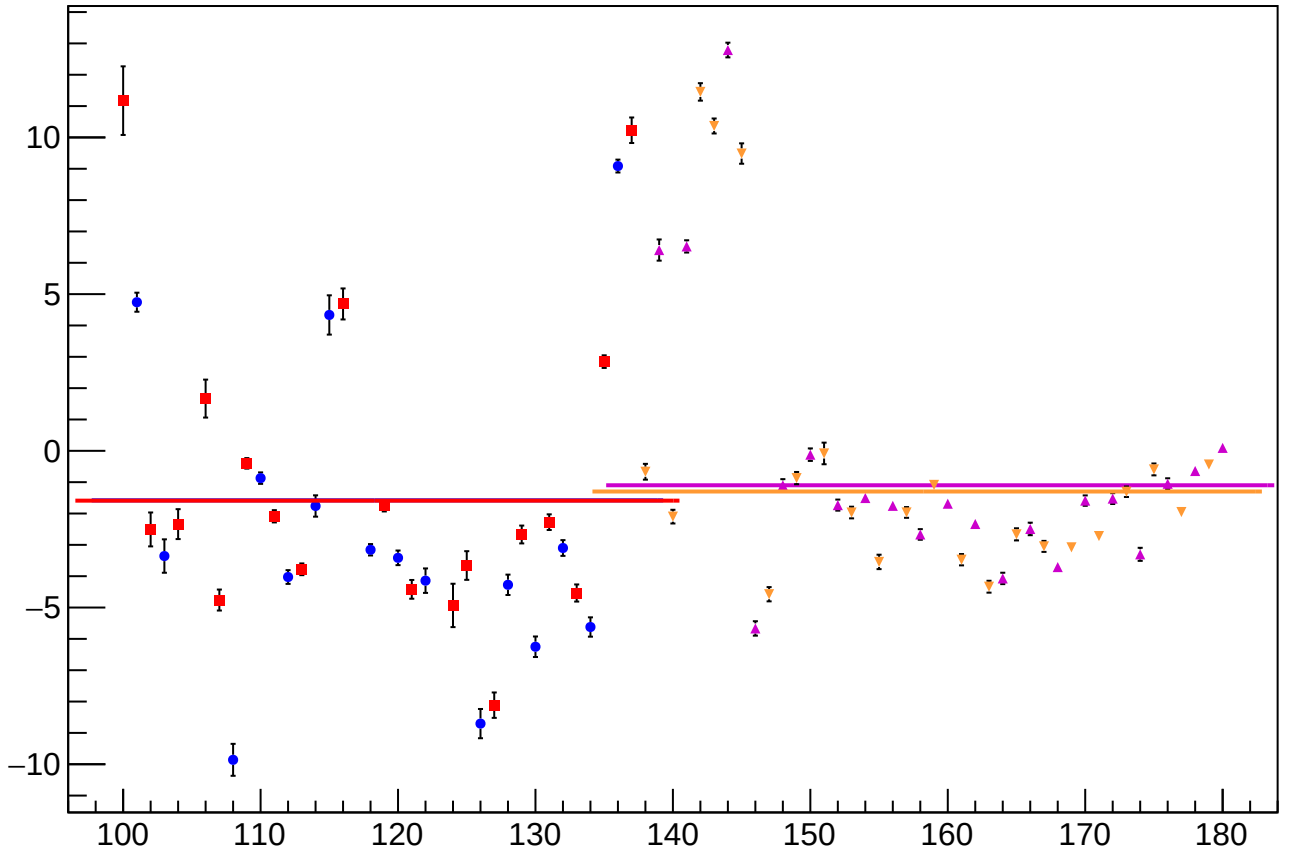
Left: -2.604+/-0.031 χ^2/NDF: 294262.6/42

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.869+/-0.035 χ^2/NDF:208549.3/36

Out: -0.536+/-0.037 χ^2/NDF:254194.7/40

All: 0.197+/-0.026 χ^2/NDF: 463501.0/77



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.298+/-0.041 χ^2/NDF:6777.9/21

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.099+/-0.037 χ^2/NDF:6950.8/20

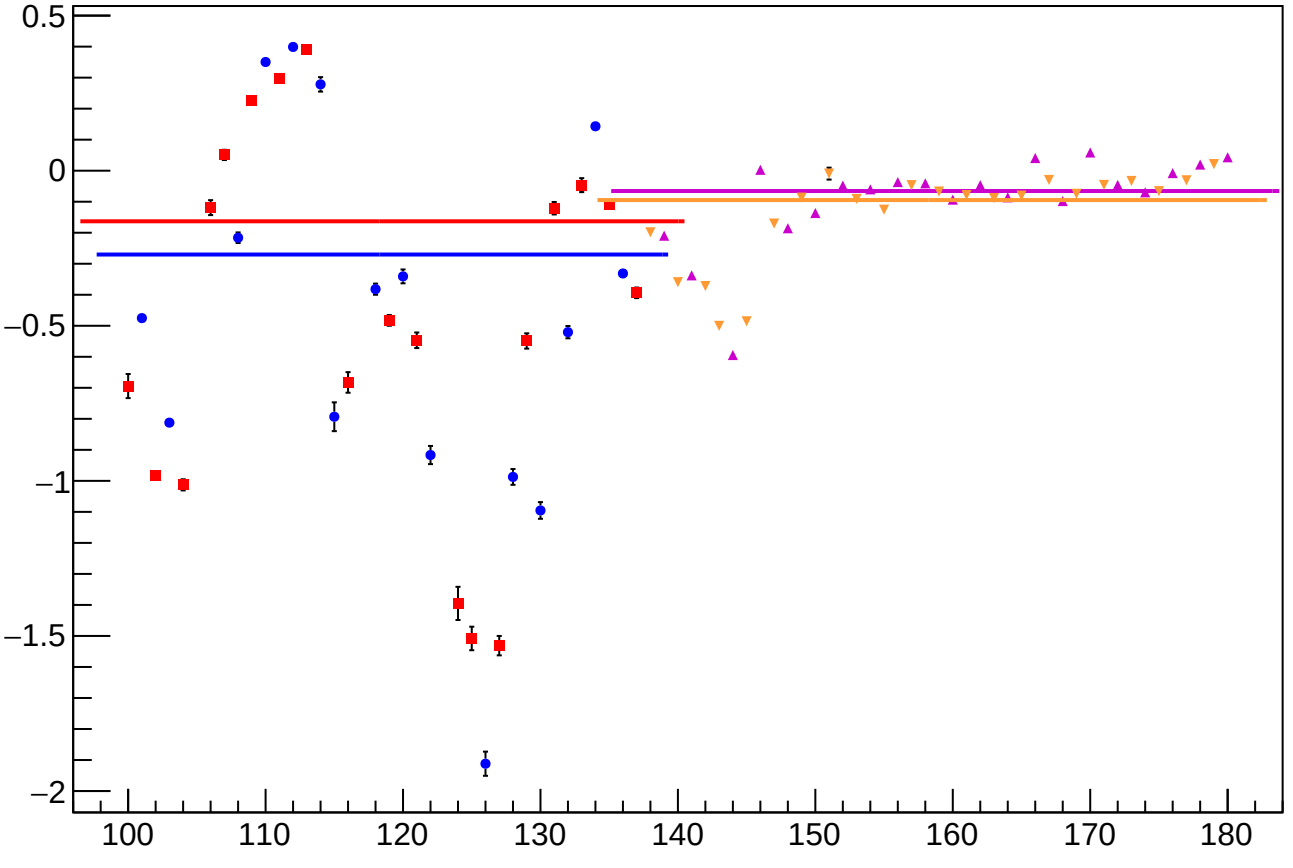
Left: -1.188+/-0.027 χ^2/NDF: 13742.0/42

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.203+/-0.032 χ^2/NDF:11512.8/36

Out: -1.381+/-0.034 χ^2/NDF:9264.8/40

All: -1.287+/-0.024 χ^2/NDF: 20791.8/77



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.095+/-0.002 χ^2/NDF:4005.6/21

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.066+/-0.002 χ^2/NDF:4309.3/20

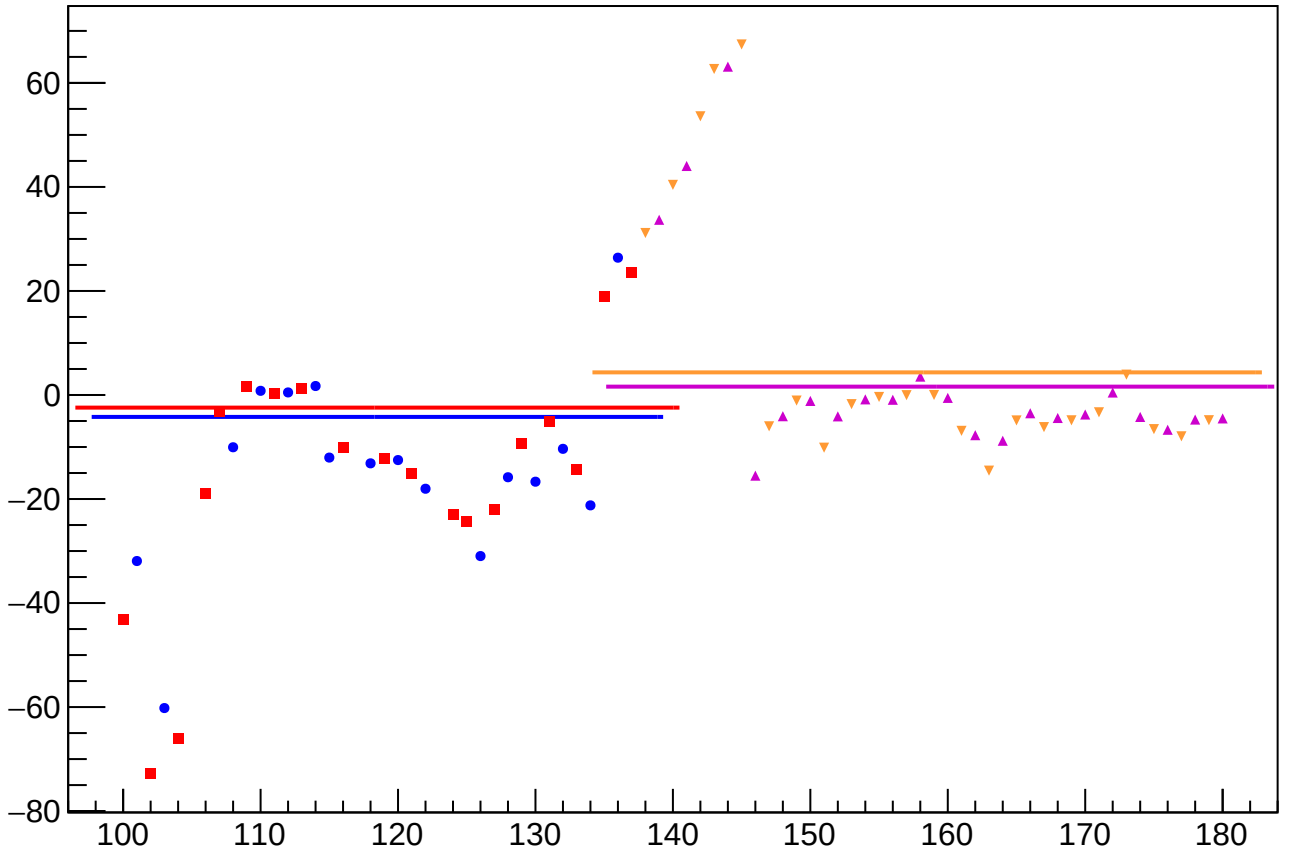
Left: -0.078+/-0.001 χ^2/NDF: 8466.8/42

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.091+/-0.001 χ^2/NDF:18492.1/36

Out: -0.107+/-0.002 χ^2/NDF:19784.4/40

All: -0.098+/-0.001 χ^2/NDF: 38330.0/77



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 4.349+/-0.048 χ^2/NDF:171150.3/21

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 1.606+/-0.043 χ^2/NDF:130791.9/20

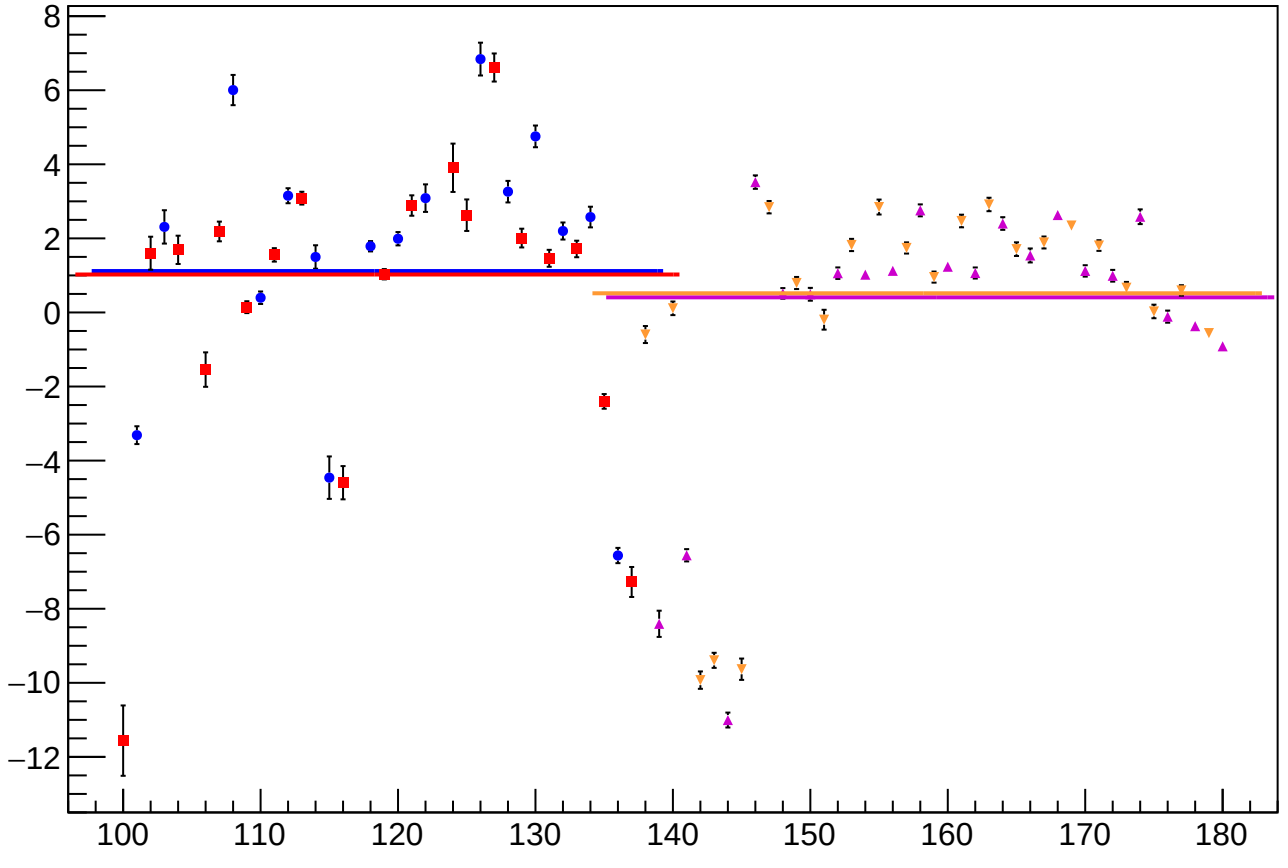
Left: 2.827+/-0.032 χ^2/NDF: 303733.7/42

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.631+/-0.034 χ^2/NDF:212974.5/36

Out: 0.811+/-0.033 χ^2/NDF:262164.5/40

All: 0.102+/-0.024 χ^2/NDF: 476058.2/77



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.518+/-0.036 χ^2/NDF:6843.0/21

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.408+/-0.033 χ^2/NDF:6998.8/20

Left: 0.457+/-0.024 χ^2/NDF: 13846.8/42

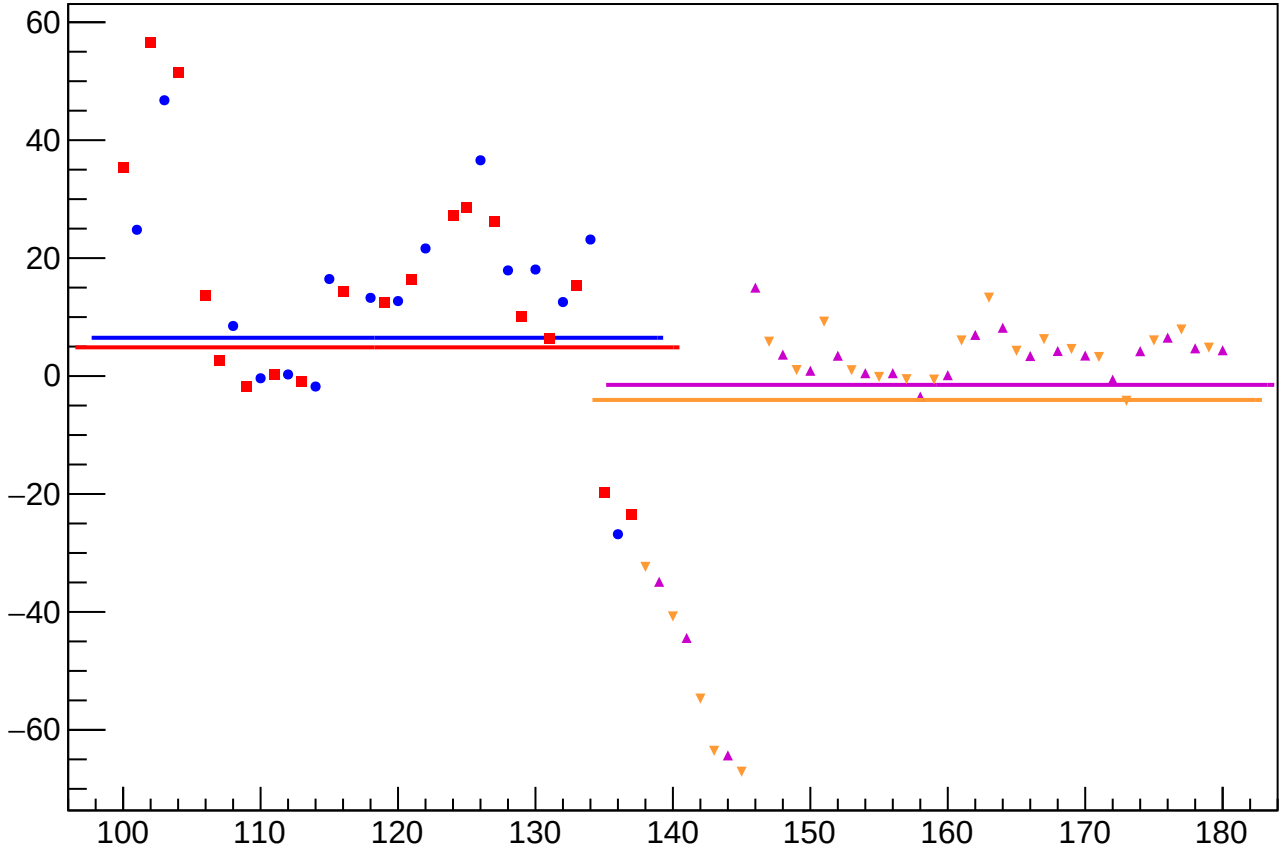
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.571+/-0.029 χ^2/NDF:9697.0/36

Out: 0.664+/-0.031 χ^2/NDF:8510.7/40

All: 0.615+/-0.021 χ^2/NDF: 18212.6/77

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -4.050+/-0.048 χ^2/NDF:165645.1/21

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -1.495+/-0.042 χ^2/NDF:127606.3/20

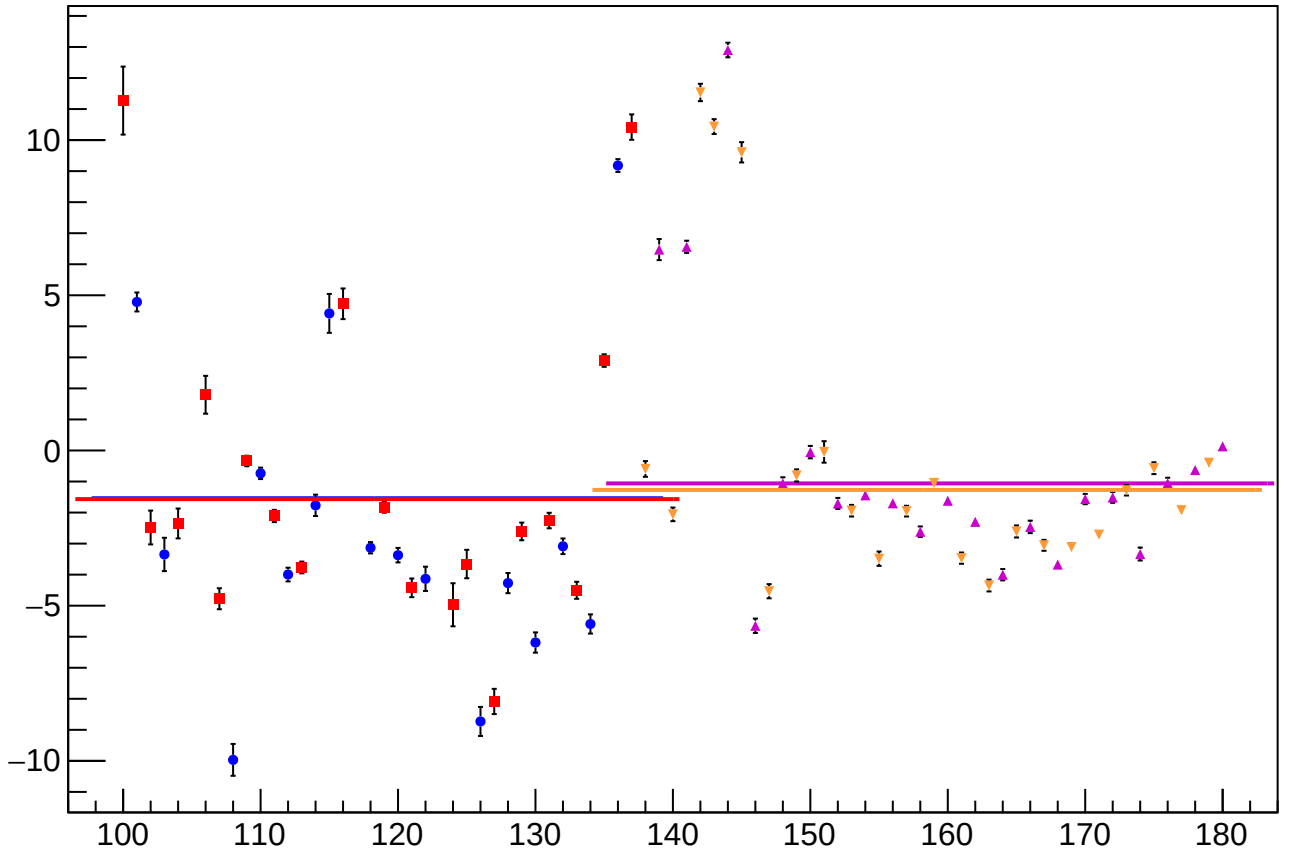
Left: -2.623+/-0.032 χ^2/NDF: 294863.3/42

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.867+/-0.035 χ^2/NDF:208791.0/36

Out: -0.552+/-0.037 χ^2/NDF:254706.6/40

All: 0.189+/-0.026 χ^2/NDF: 464262.4/77



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.270+/-0.041 χ^2/NDF:6803.1/21

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.060+/-0.037 χ^2/NDF:6939.5/20

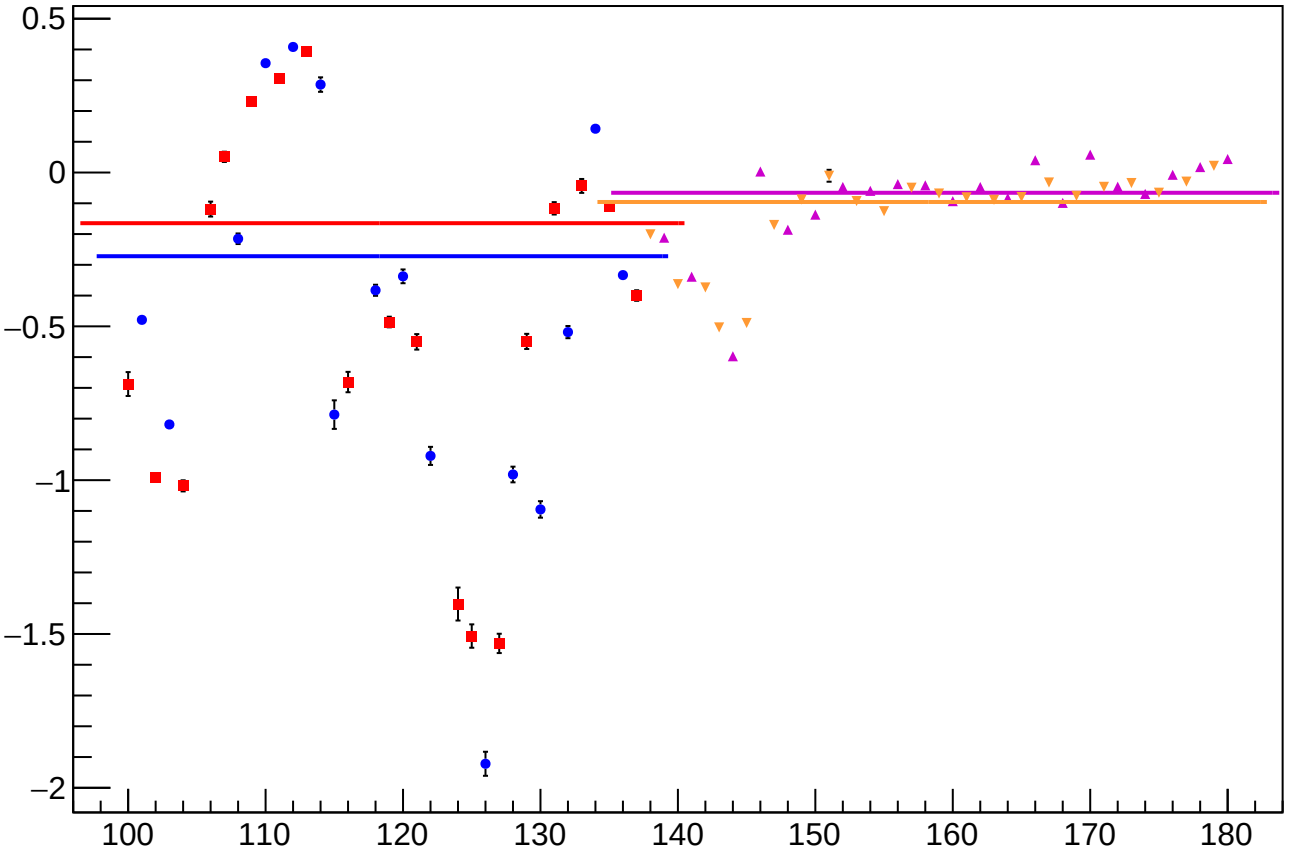
Left: -1.154+/-0.027 χ^2/NDF: 13757.2/42

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.165+/-0.032 χ^2/NDF:11512.6/36

Out: -1.355+/-0.034 χ^2/NDF:9315.2/40

All: -1.254+/-0.024 χ^2/NDF: 20843.9/77



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.096+/-0.002 χ^2/NDF:4020.6/21

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.066+/-0.002 χ^2/NDF:4301.0/20

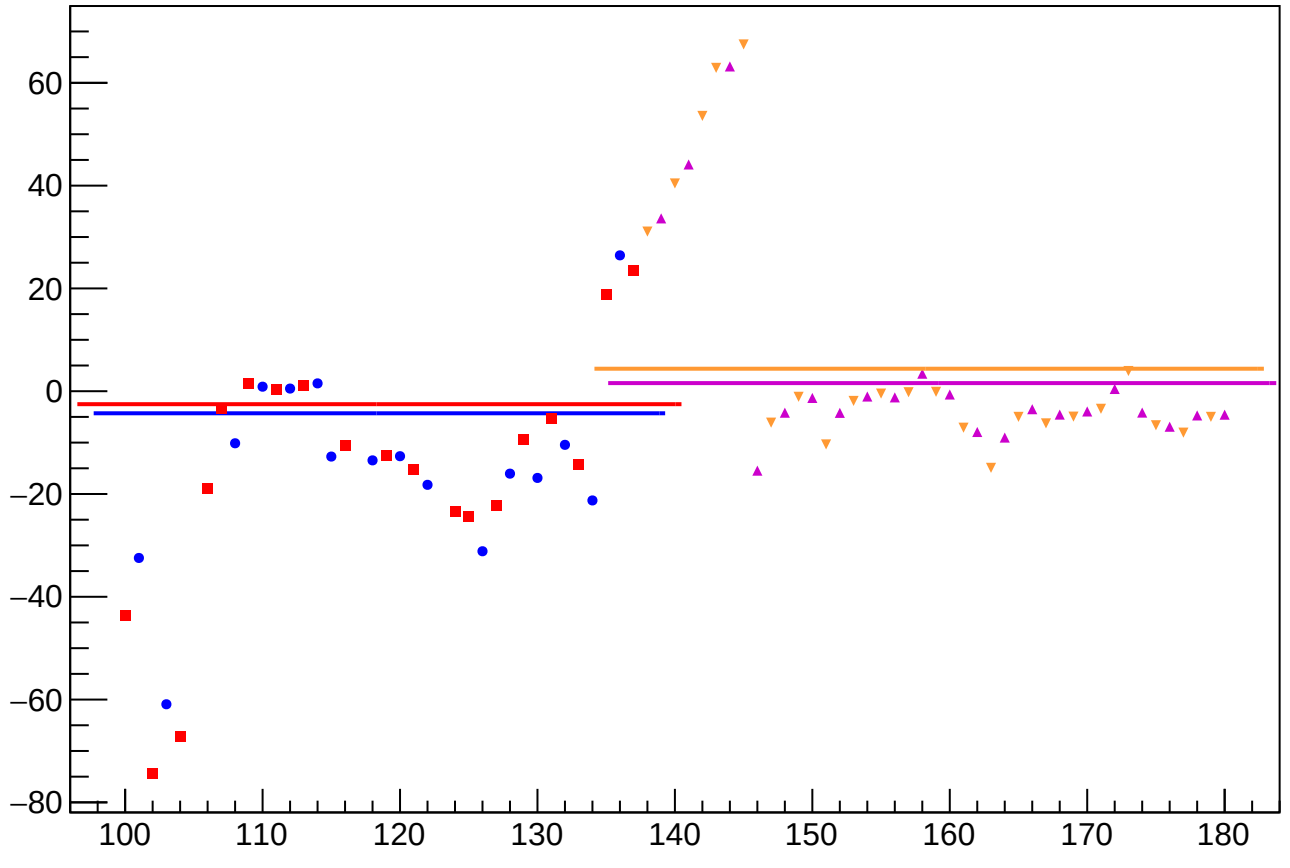
Left: -0.079+/-0.001 χ^2/NDF: 8480.4/42

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.092+/-0.001 χ^2/NDF:18518.7/36

Out: -0.108+/-0.002 χ^2/NDF:19780.7/40

All: -0.099+/-0.001 χ^2/NDF: 38357.5/77



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 4.376+/-0.049 χ^2/NDF:168758.5/21

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 1.577+/-0.044 χ^2/NDF:128705.1/20

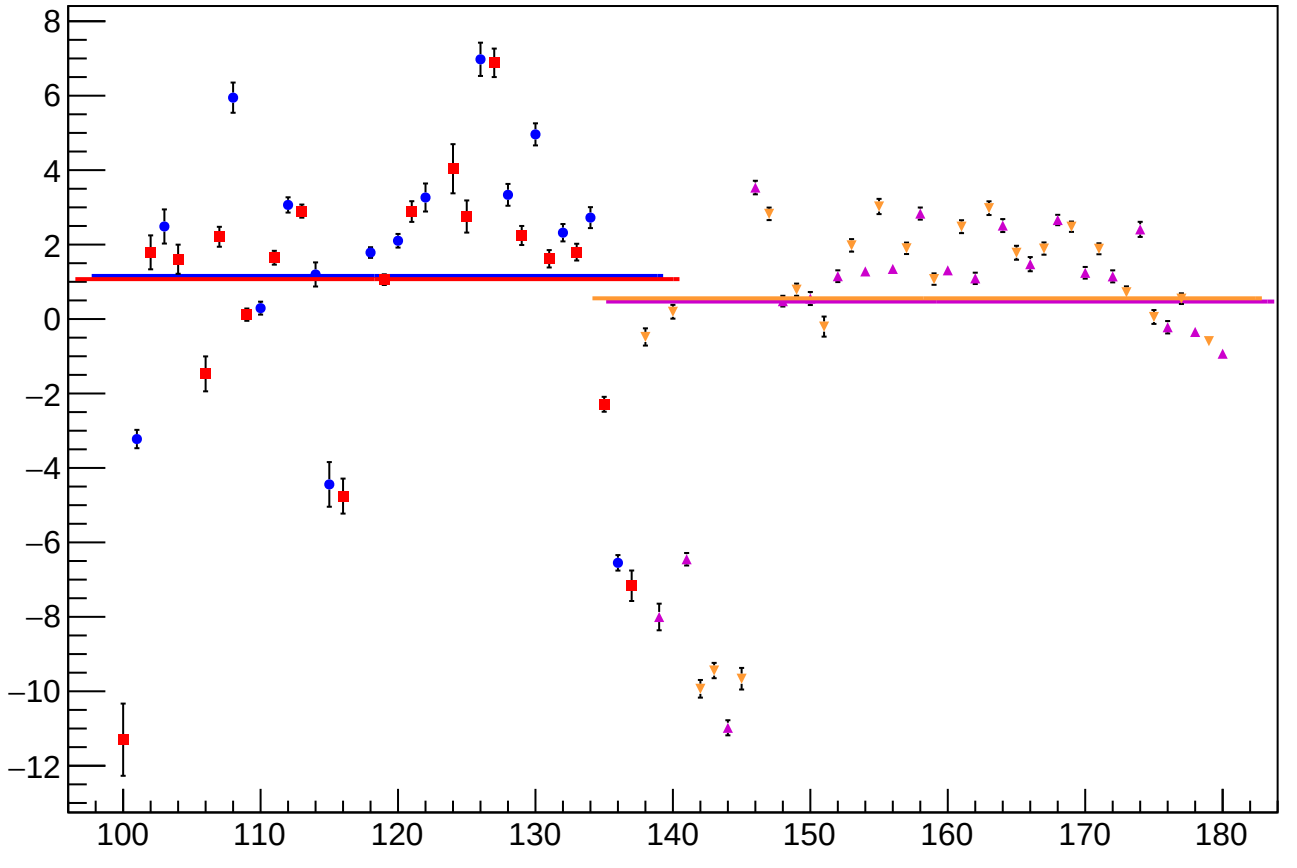
Left: 2.827+/-0.033 χ^2/NDF: 299265.4/42

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.682+/-0.035 χ^2/NDF:209755.9/36

Out: 0.796+/-0.034 χ^2/NDF:258912.2/40

All: 0.069+/-0.024 χ^2/NDF: 469595.8/77



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.557+/-0.037 χ^2/NDF:6833.7/21

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.470+/-0.034 χ^2/NDF:6837.0/20

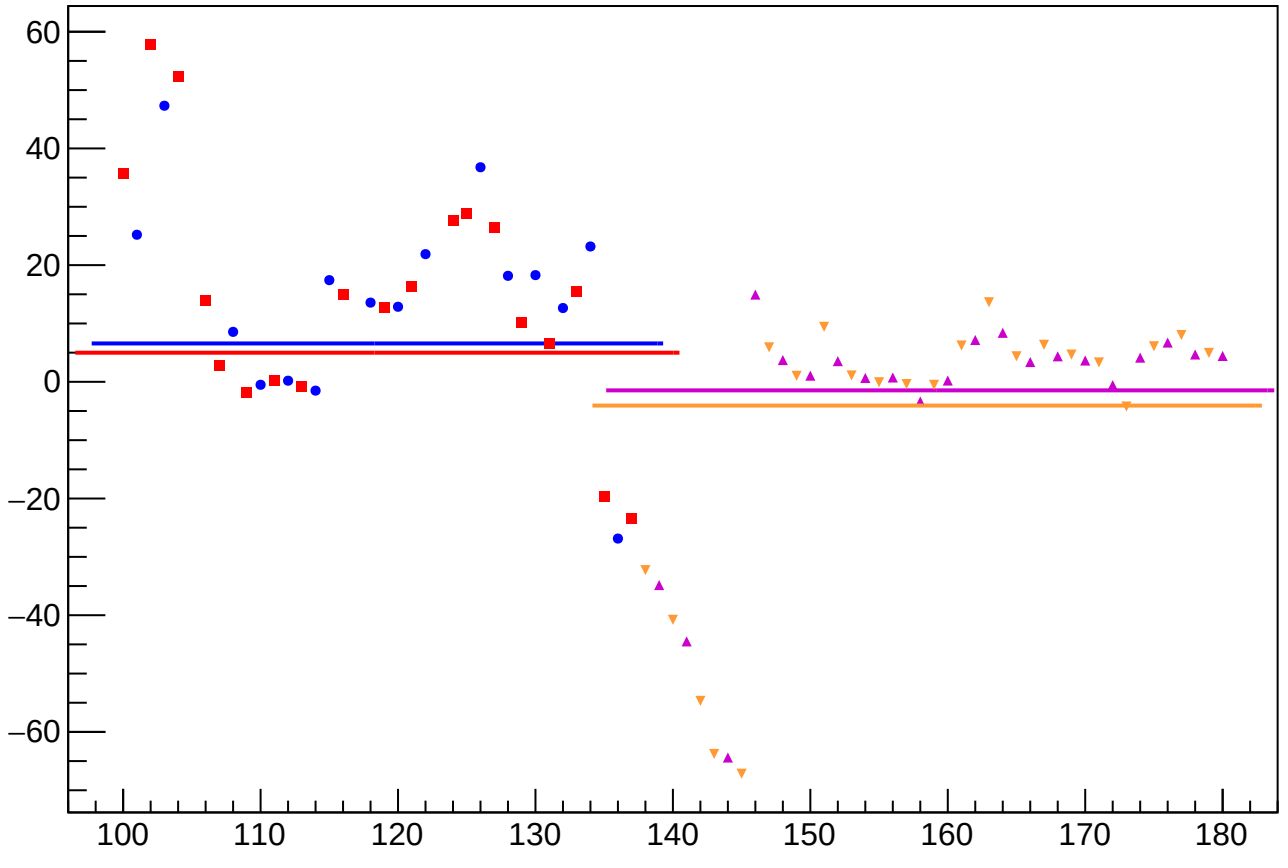
Left: 0.509+/-0.025 χ^2/NDF: 13673.8/42

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.627+/-0.029 χ^2/NDF:9483.4/36

Out: 0.705+/-0.031 χ^2/NDF:8440.8/40

All: 0.664+/-0.021 χ^2/NDF: 17927.4/77



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -4.070+/-0.048 χ^2/NDF:163333.8/21

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -1.463+/-0.043 χ^2/NDF:125546.0/20

Left: -2.618+/-0.032 χ^2/NDF: 290501.4/42

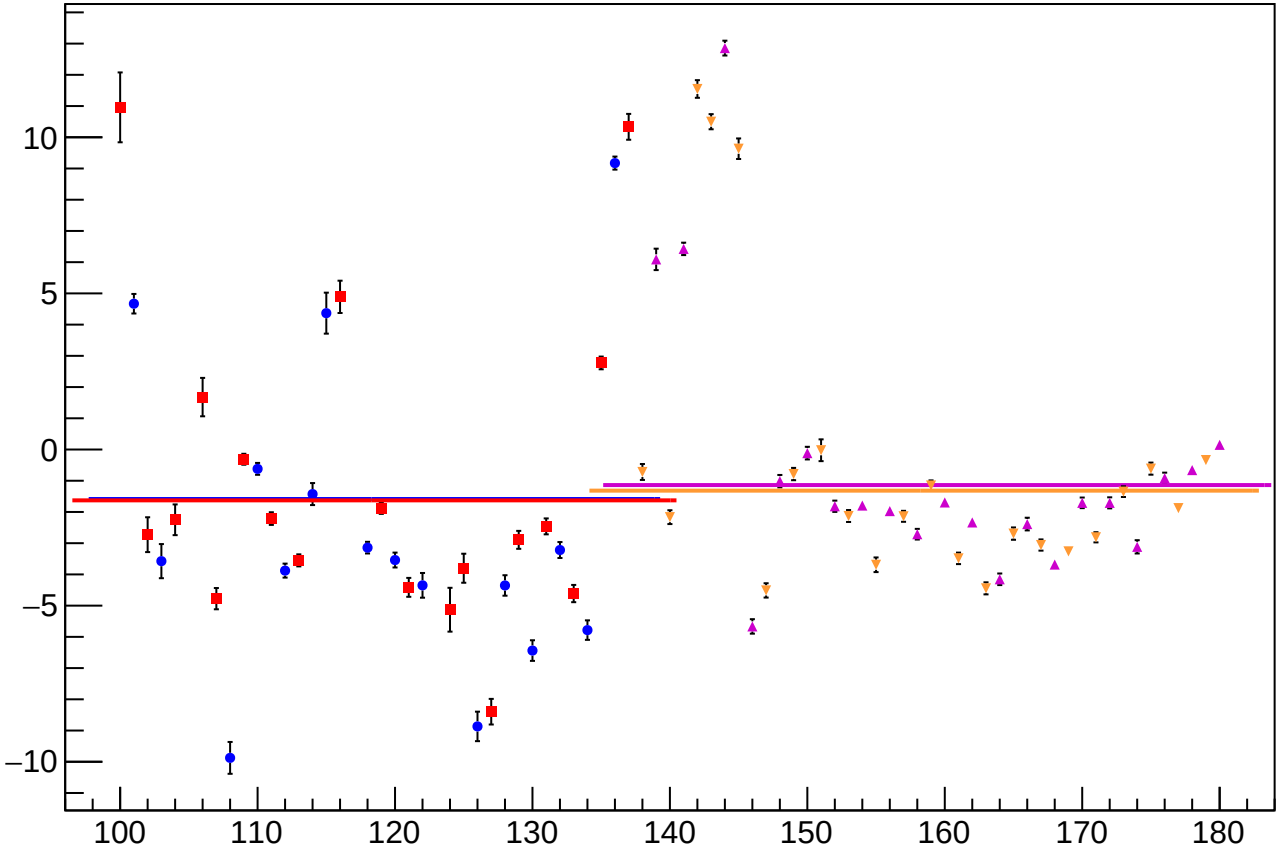
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.921+/-0.036 χ^2/NDF:205596.1/36

Out: -0.535+/-0.038 χ^2/NDF:251514.4/40

All: 0.224+/-0.026 χ^2/NDF: 457886.0/77

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.317+/-0.041 χ^2/NDF:6784.9/21

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.139+/-0.037 χ^2/NDF:6755.7/20

Left: -1.219+/-0.028 χ^2/NDF: 13550.8/42

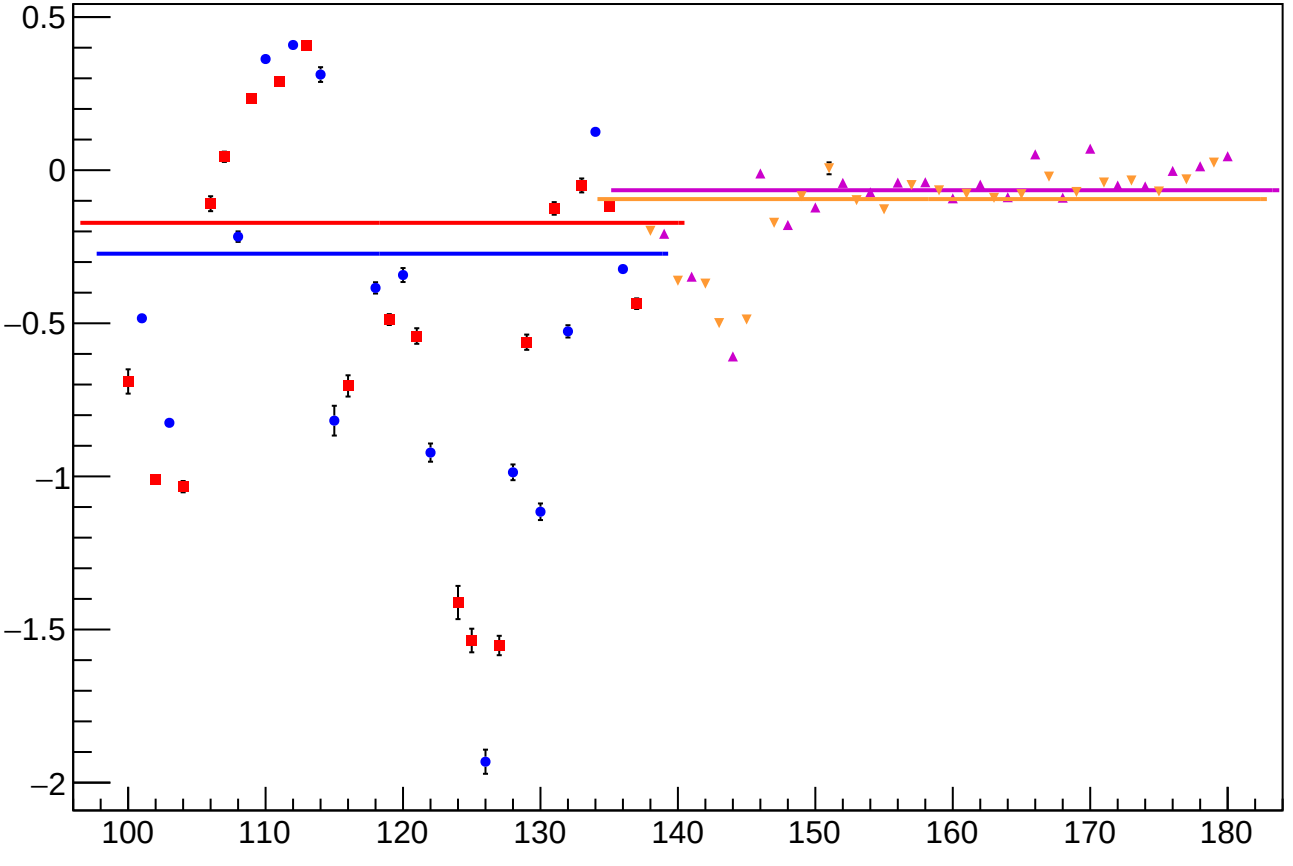
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.236+/-0.033 χ^2/NDF:11259.5/36

Out: -1.405+/-0.035 χ^2/NDF:9223.2/40

All: -1.316+/-0.024 χ^2/NDF: 20495.0/77

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: -0.094+/-0.002 χ^2/NDF:3956.0/21

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.065+/-0.002 χ^2/NDF:4344.4/20

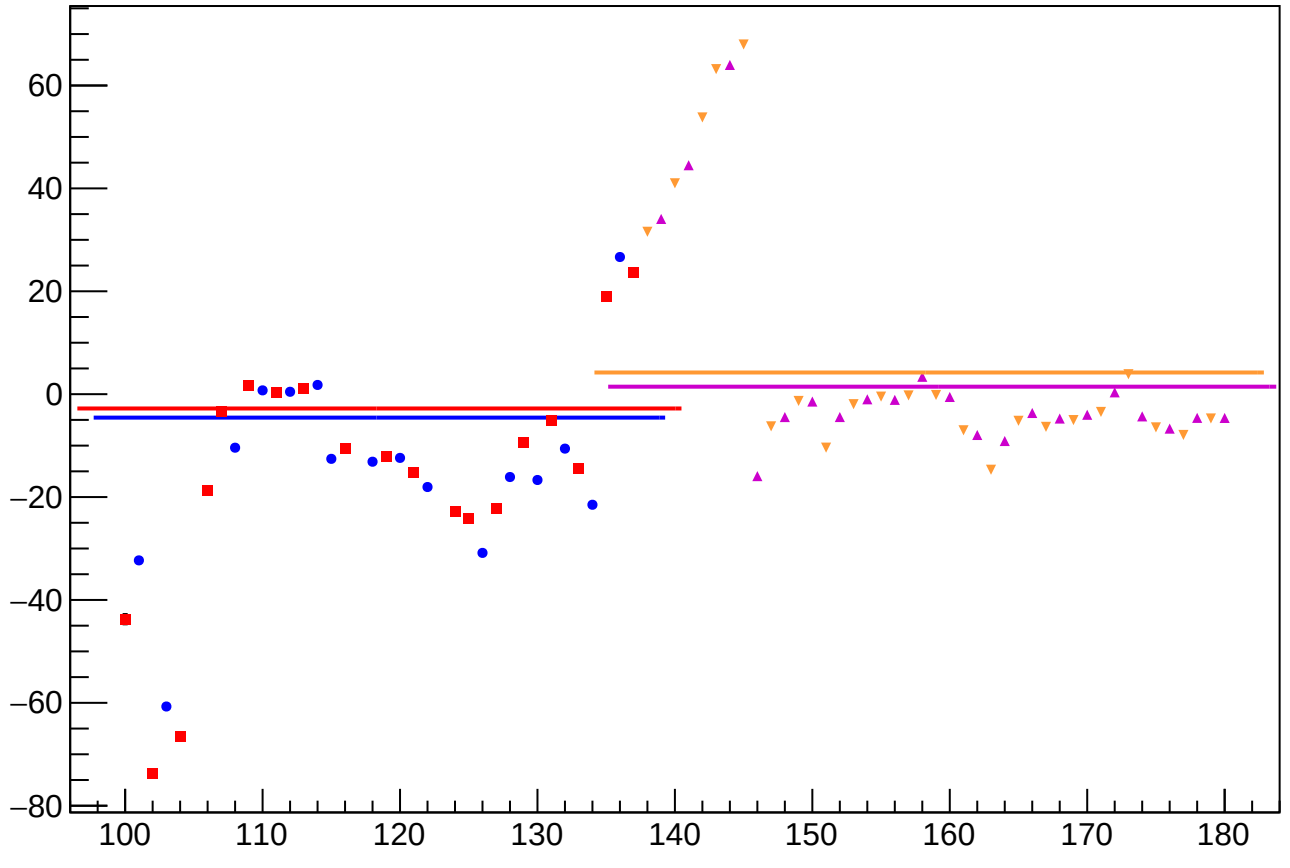
Left: -0.078+/-0.001 χ^2/NDF: 8443.7/42

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.092+/-0.001 χ^2/NDF:18306.9/36

Out: -0.108+/-0.002 χ^2/NDF:19607.9/40

All: -0.099+/-0.001 χ^2/NDF: 37972.3/77



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 4.214+/-0.049 χ^2/NDF:166215.5/21

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 1.456+/-0.044 χ^2/NDF:127241.2/20

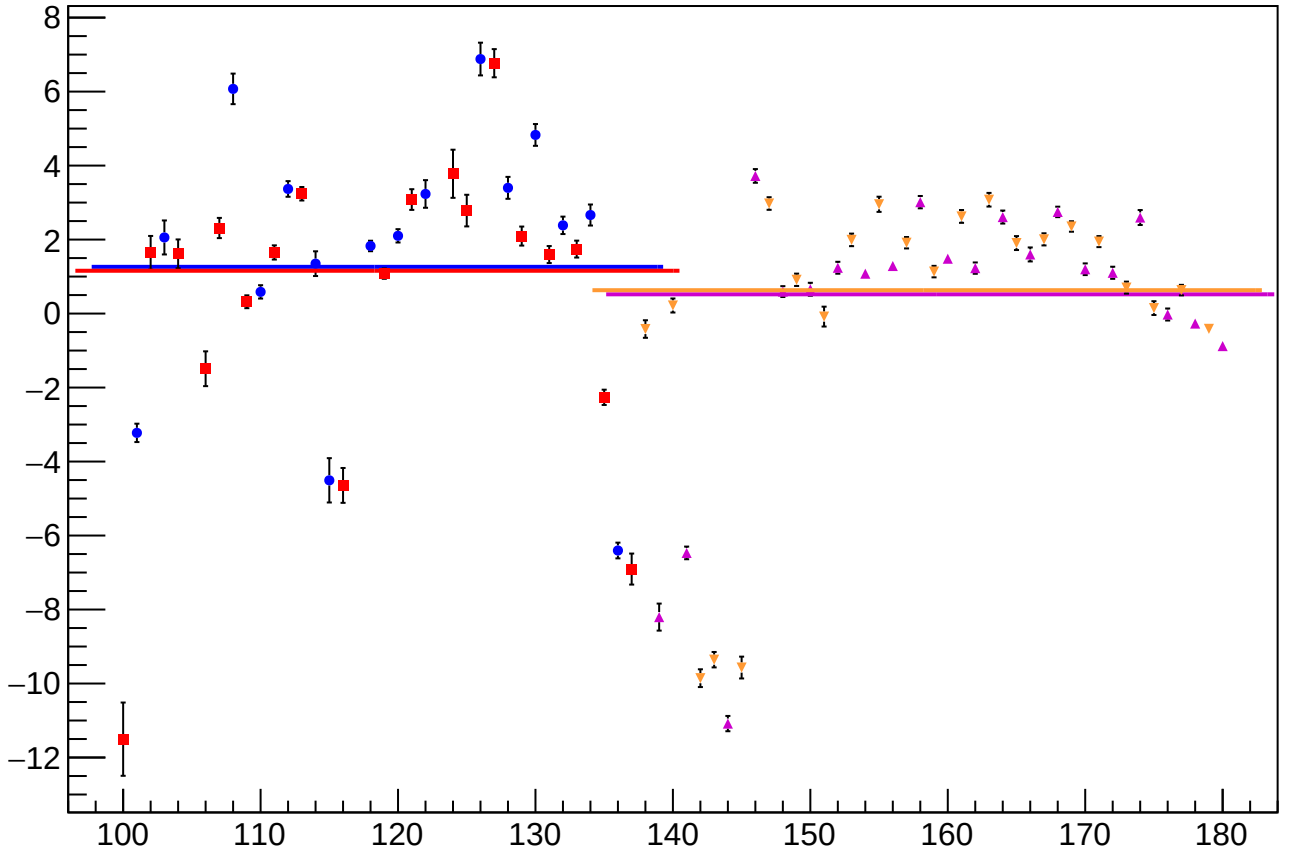
Left: 2.691+/-0.033 χ^2/NDF: 295182.5/42

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.826+/-0.035 χ^2/NDF:206832.0/36

Out: 0.658+/-0.035 χ^2/NDF:254339.4/40

All: -0.075+/-0.025 χ^2/NDF: 462080.2/77



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.632+/-0.037 χ^2/NDF:6606.8/21

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.520+/-0.034 χ^2/NDF:6791.3/20

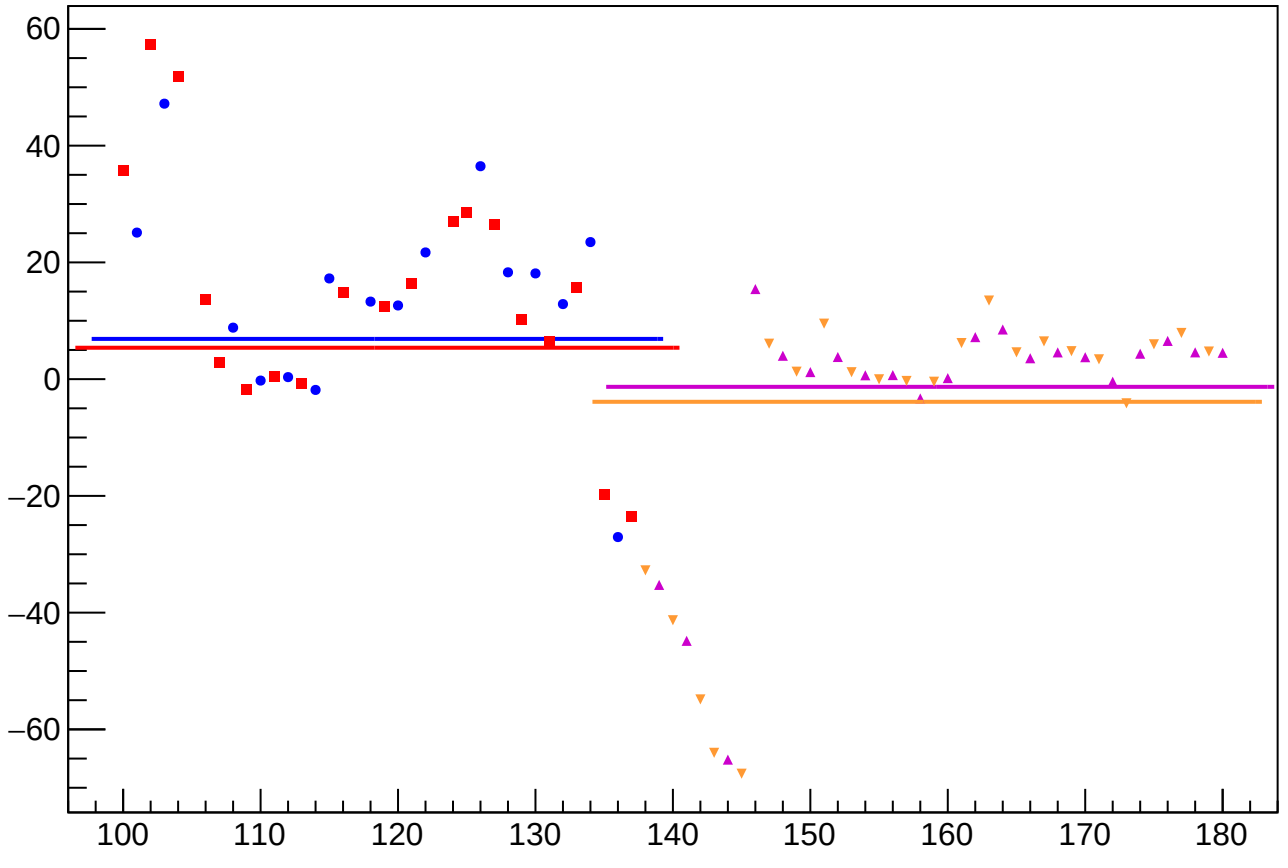
Left: 0.571+/-0.025 χ^2/NDF: 13402.9/42

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.691+/-0.030 χ^2/NDF:9345.5/36

Out: 0.781+/-0.032 χ^2/NDF:8153.8/40

All: 0.734+/-0.022 χ^2/NDF: 17503.7/77



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -3.880+/-0.049 χ^2/NDF:160743.5/21

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -1.317+/-0.043 χ^2/NDF:124055.7/20

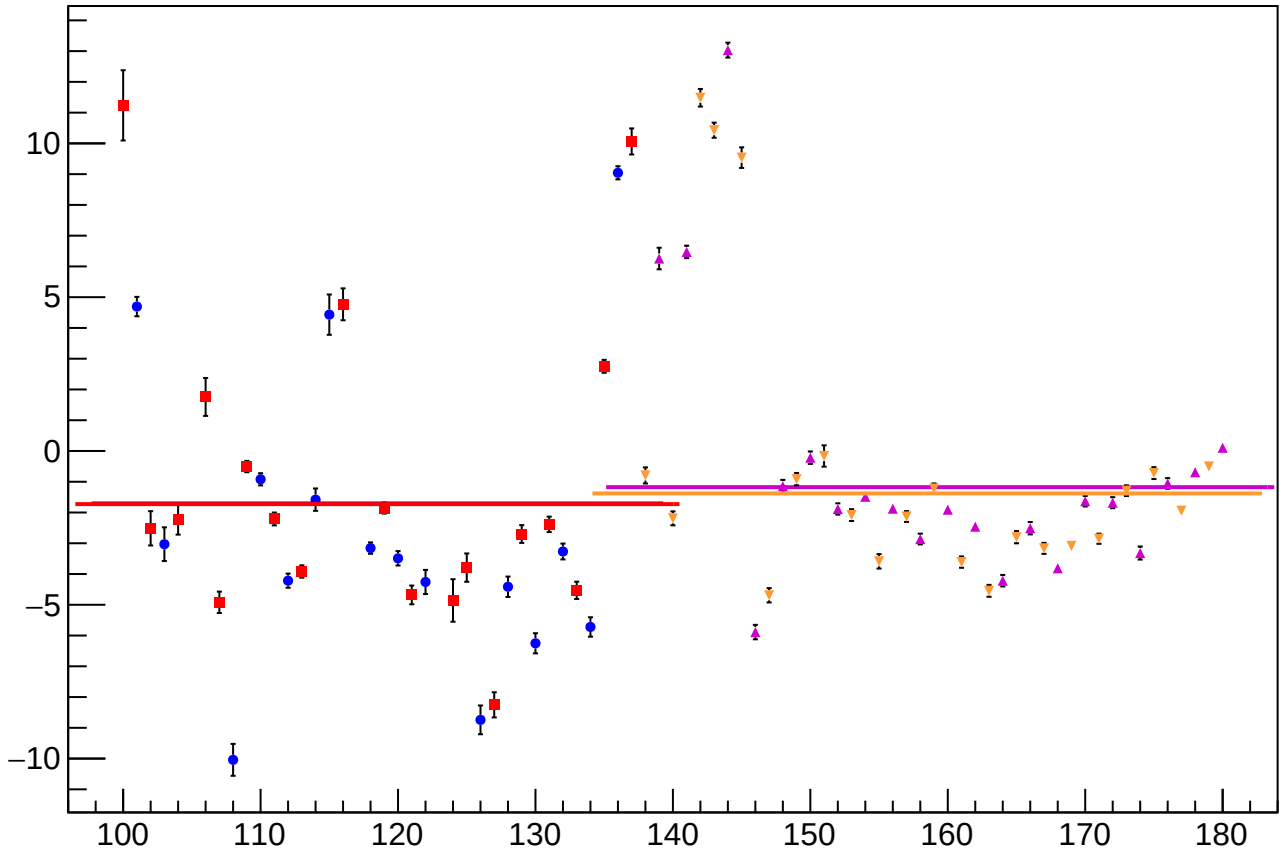
Left: -2.456+/-0.032 χ^2/NDF: 286345.0/42

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 1.097+/-0.037 χ^2/NDF:202595.1/36

Out: -0.333+/-0.038 χ^2/NDF:246880.1/40

All: 0.414+/-0.026 χ^2/NDF: 450207.1/77



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.380+/-0.042 χ^2/NDF:6574.6/21

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.176+/-0.038 χ^2/NDF:6751.0/20

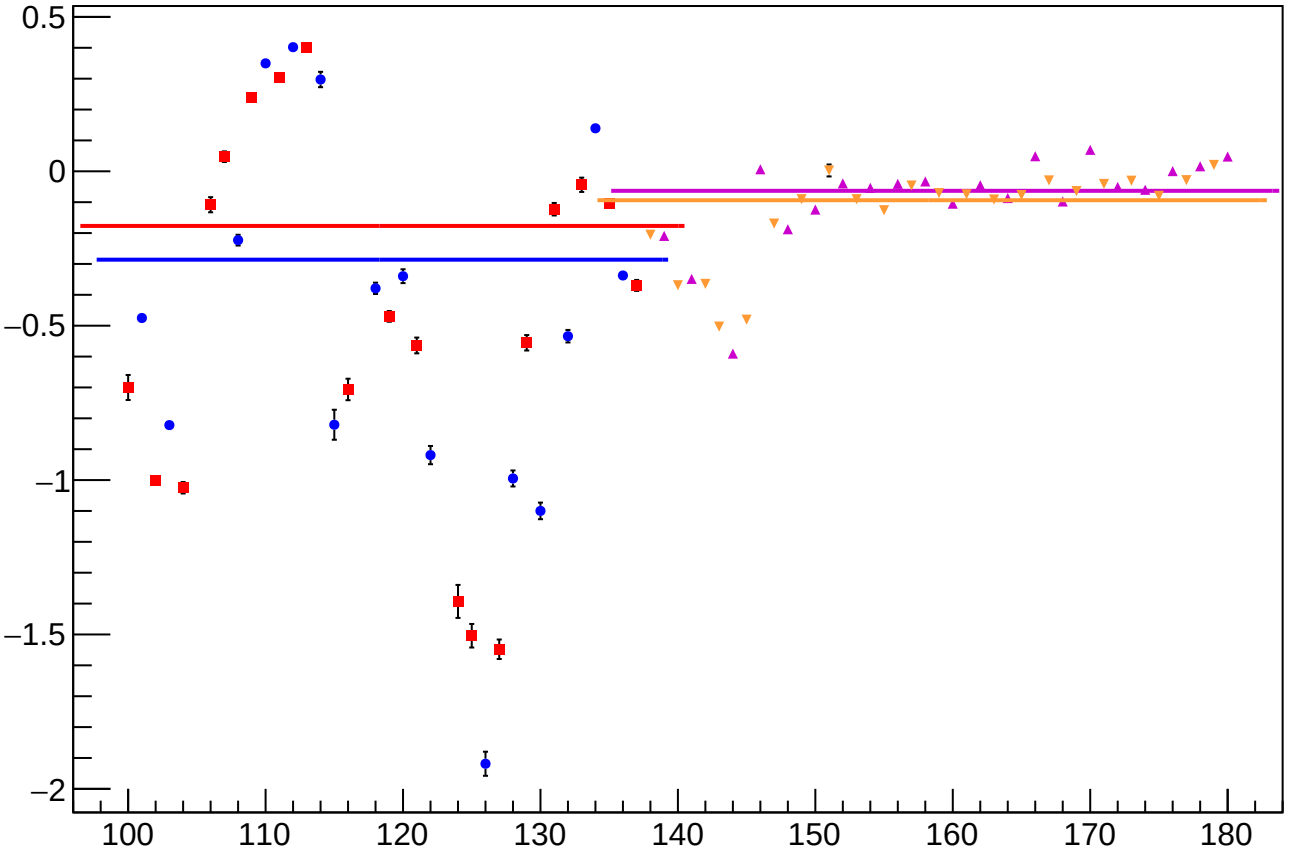
Left: -1.268+/-0.028 χ^2/NDF: 13338.8/42

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.292+/-0.033 χ^2/NDF:11084.0/36

Out: -1.477+/-0.035 χ^2/NDF:8903.6/40

All: -1.379+/-0.024 χ^2/NDF: 20002.1/77



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.094+/-0.002 χ^2/NDF:3866.3/21

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.063+/-0.002 χ^2/NDF:4219.0/20

Left: -0.077+/-0.001 χ^2/NDF: 8241.9/42

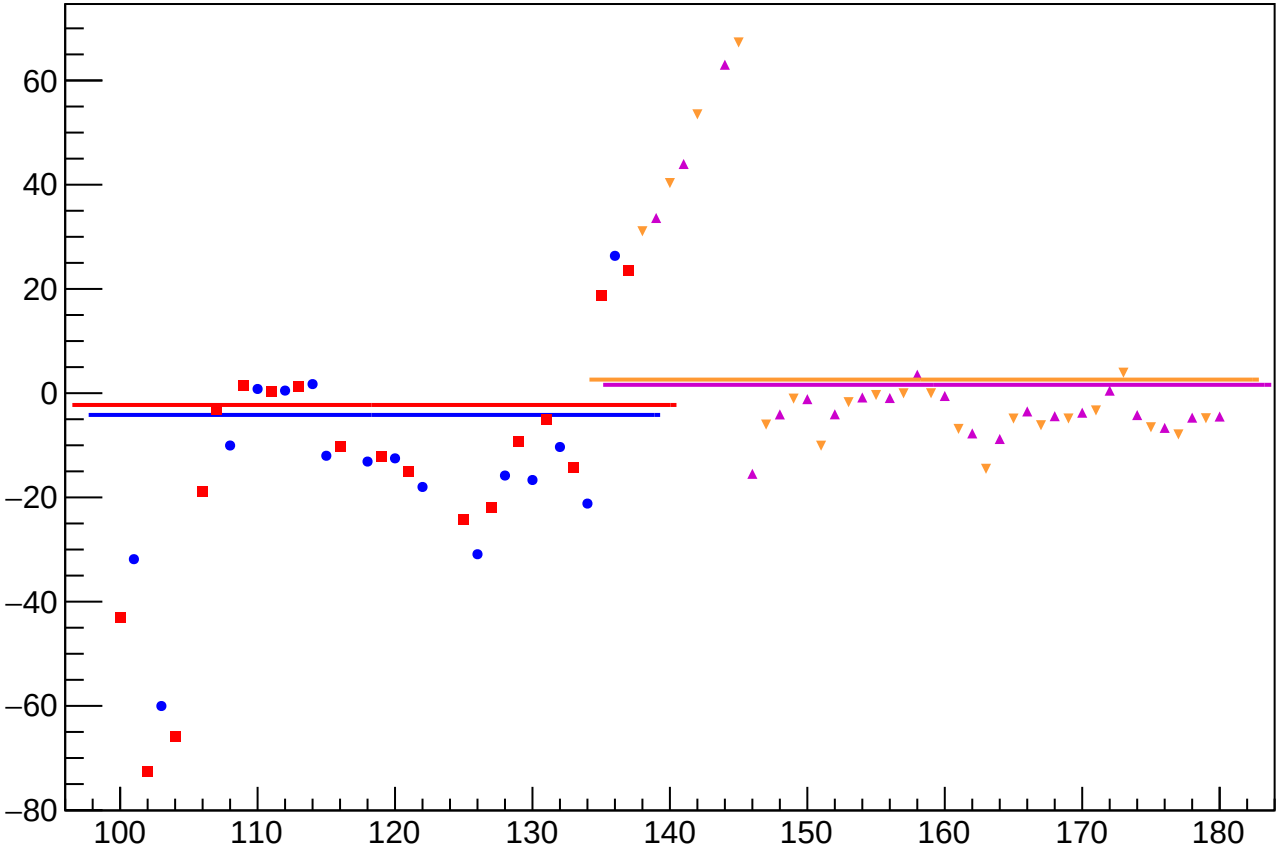
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.091+/-0.002 χ^2/NDF:17955.5/36

Out: -0.108+/-0.002 χ^2/NDF:18999.8/40

All: -0.099+/-0.001 χ^2/NDF: 37014.6/77

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: 2.606+/-0.049 χ^2/NDF:127695.6/20

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 1.604+/-0.043 χ^2/NDF:131022.0/20

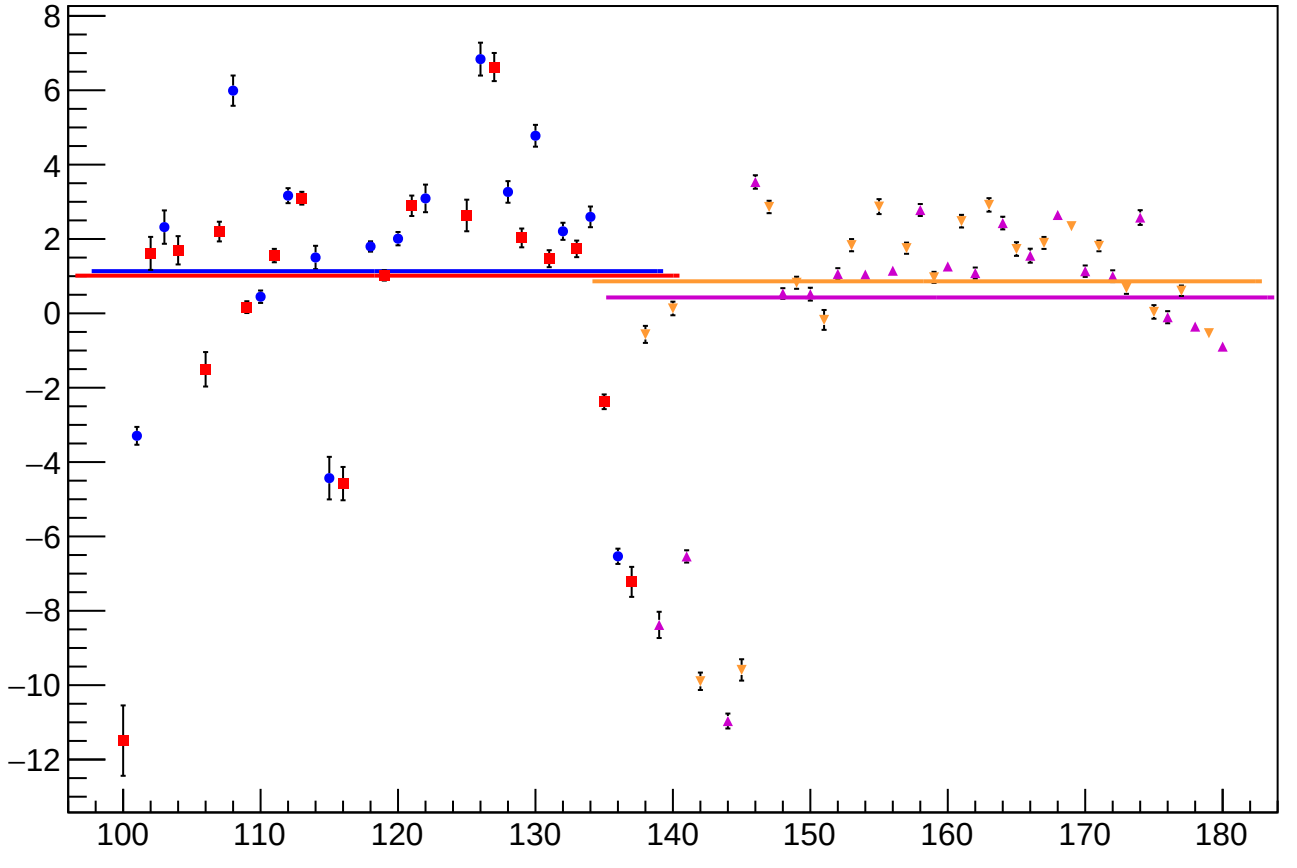
Left: 2.043+/-0.032 χ^2/NDF: 258954.4/41

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.620+/-0.034 χ^2/NDF:213340.9/36

Out: 0.030+/-0.033 χ^2/NDF:212581.3/38

All: -0.292+/-0.024 χ^2/NDF: 426108.6/75



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.862+/-0.037 χ^2/NDF:4395.0/20

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.428+/-0.033 χ^2/NDF:7019.9/20

Left: 0.619+/-0.025 χ^2/NDF: 11492.1/41

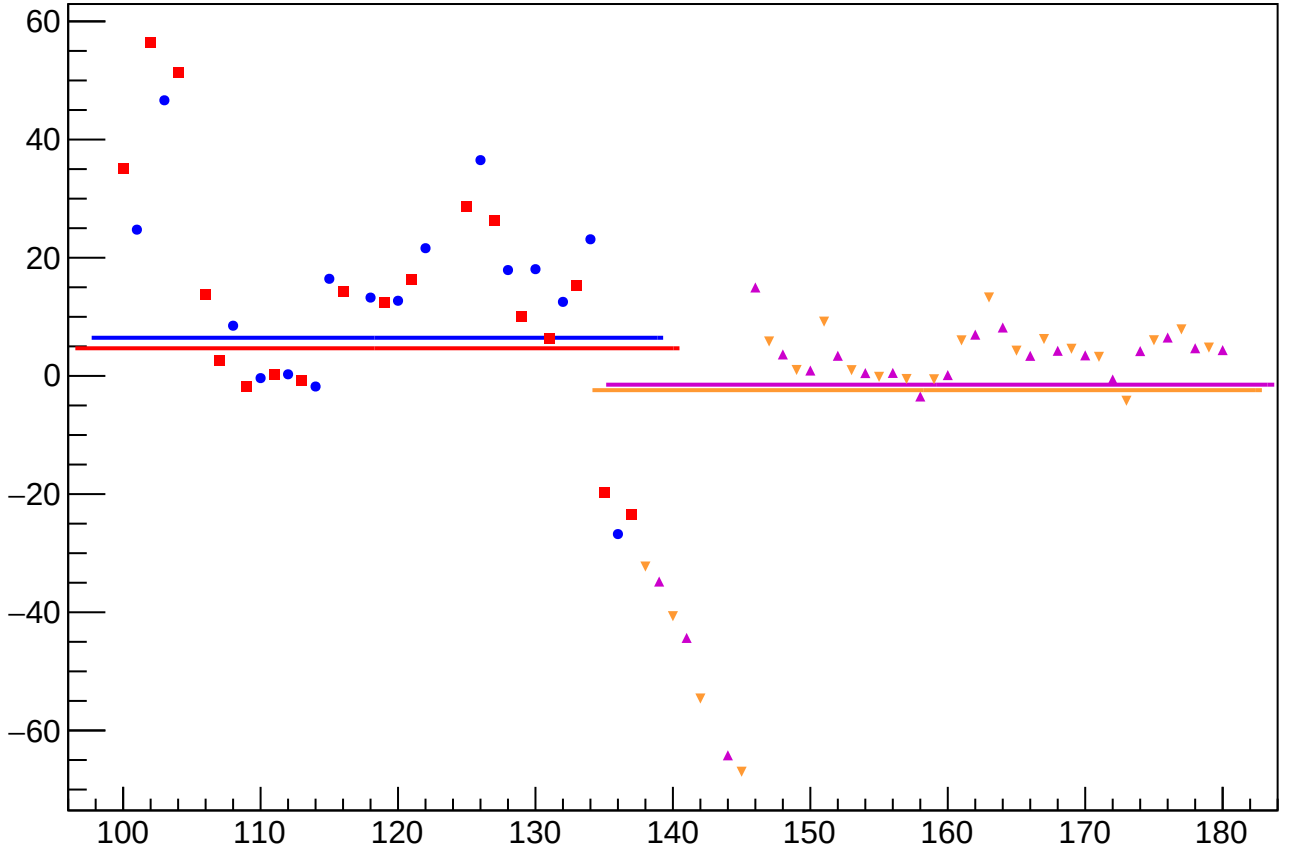
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.590+/-0.029 χ^2/NDF:9722.2/36

Out: 0.907+/-0.031 χ^2/NDF:5993.0/38

All: 0.736+/-0.021 χ^2/NDF: 15771.2/75

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -2.411+/-0.048 χ^2/NDF:123002.5/20

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -1.482+/-0.042 χ^2/NDF:127824.1/20

Left: -1.886+/-0.032 χ^2/NDF: 251038.2/41

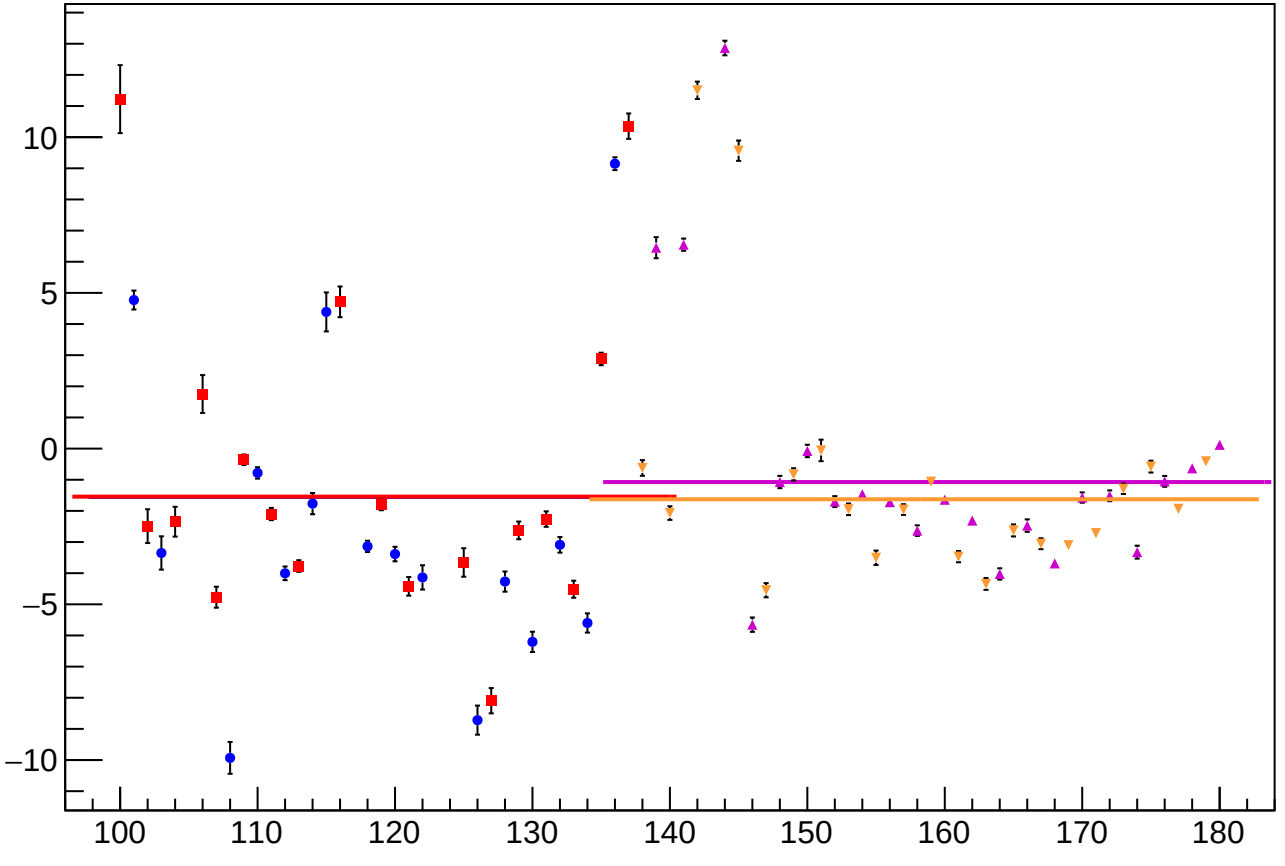
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.867+/-0.035 χ^2/NDF:209136.0/36

Out: 0.409+/-0.037 χ^2/NDF:206081.5/38

All: 0.650+/-0.026 χ^2/NDF: 415297.0/75

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: -1.627+/-0.041 χ^2/NDF:4350.5/20

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.074+/-0.037 χ^2/NDF:6958.2/20

Left: -1.317+/-0.027 χ^2/NDF: 11409.4/41

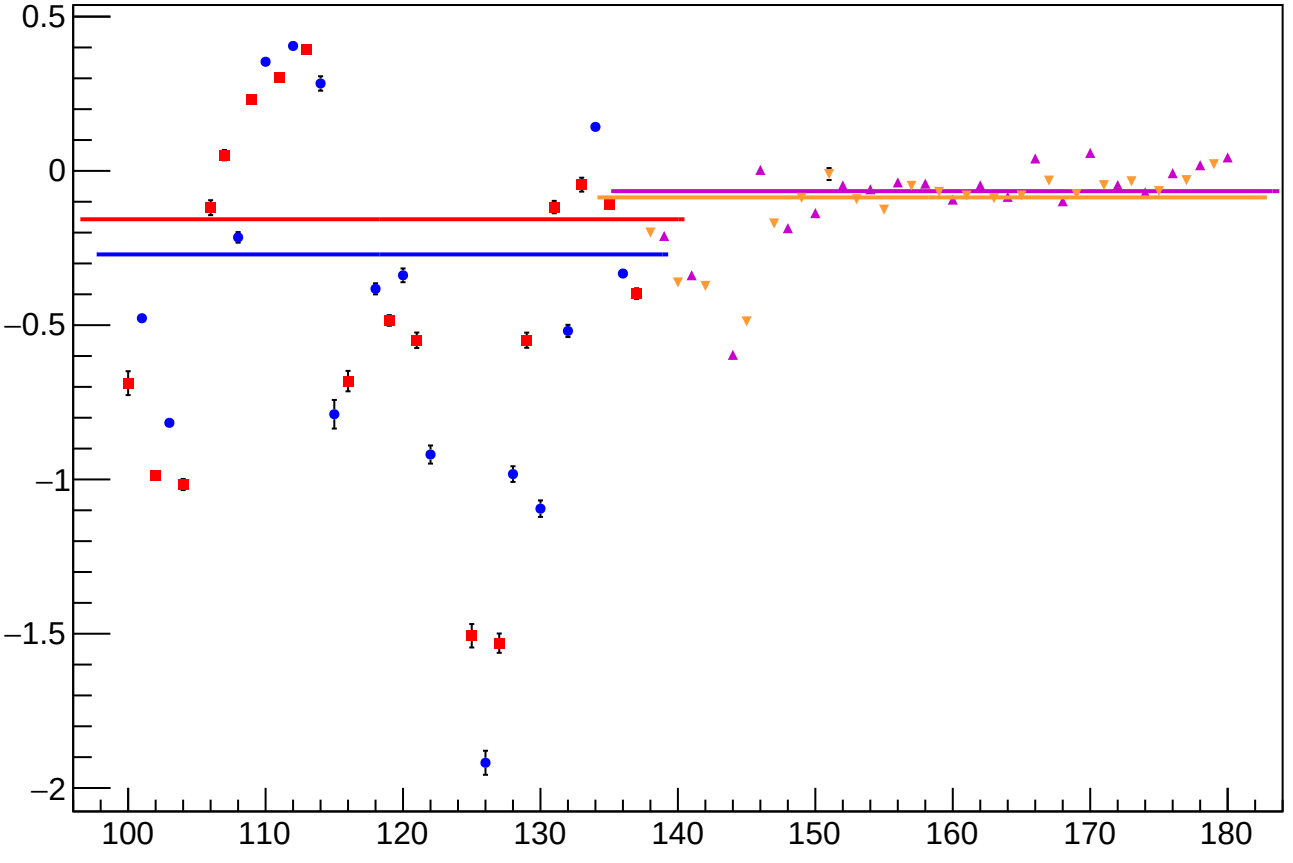
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.178+/-0.032 χ^2/NDF:11538.9/36

Out: -1.603+/-0.035 χ^2/NDF:6824.7/38

All: -1.375+/-0.024 χ^2/NDF: 18443.7/75

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: -0.086+/-0.002 χ^2/NDF:2815.8/20

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.066+/-0.002 χ^2/NDF:4313.3/20

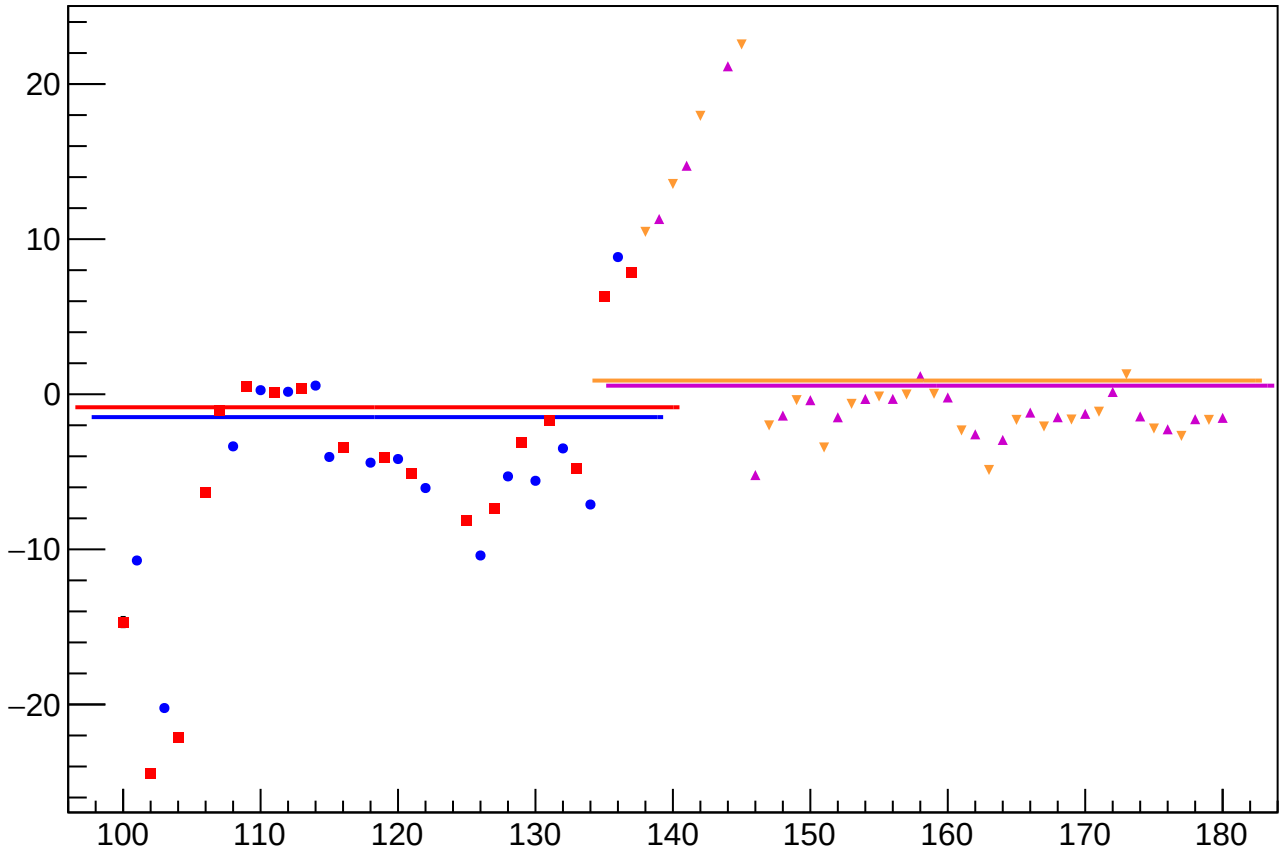
Left: -0.074+/-0.001 χ^2/NDF: 7201.8/41

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.091+/-0.001 χ^2/NDF:18555.4/36

Out: -0.099+/-0.002 χ^2/NDF:18119.7/38

All: -0.095+/-0.001 χ^2/NDF: 36687.6/75



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.883+/-0.017 χ^2/NDF:125548.8/20

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.553+/-0.015 χ^2/NDF:128463.4/20

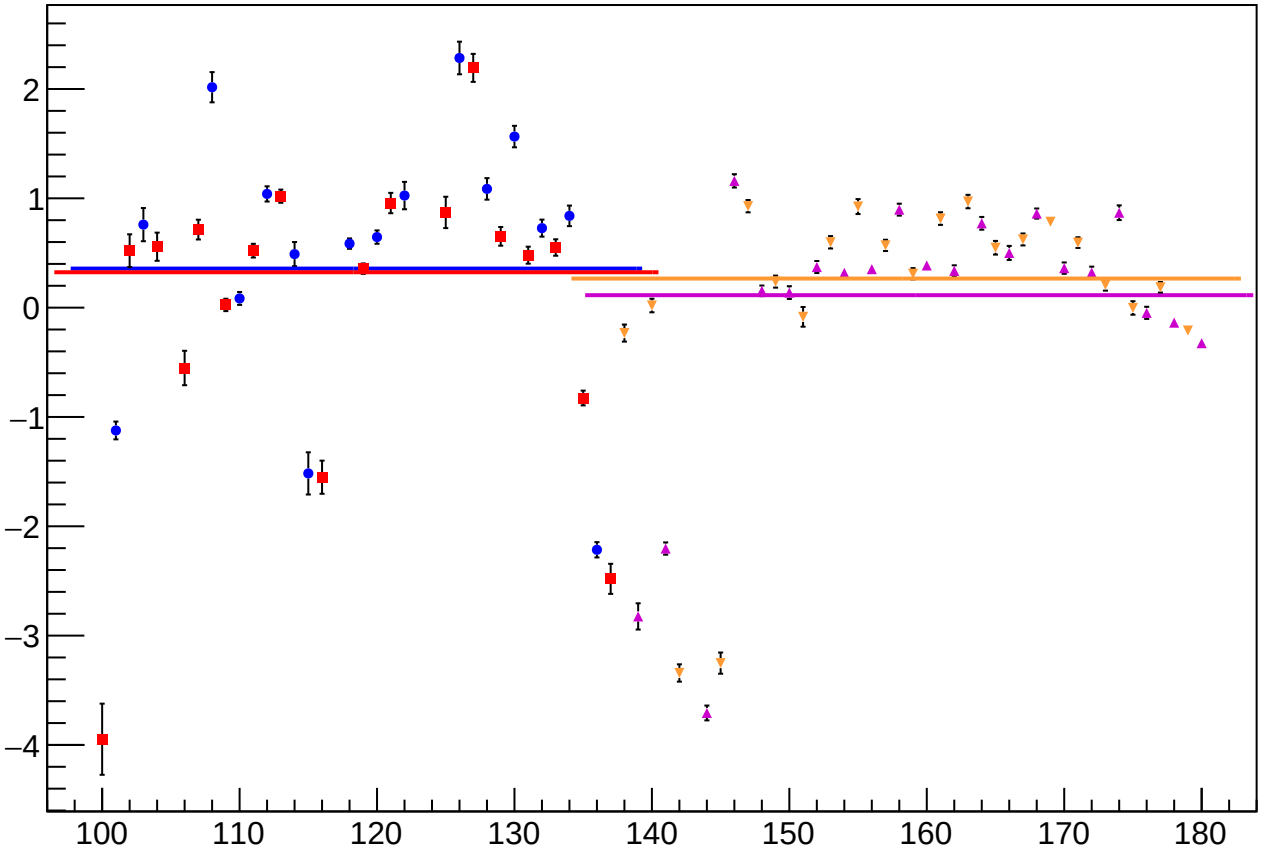
Left: 0.698+/-0.011 χ^2/NDF: 254231.3/41

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.223+/-0.012 χ^2/NDF:209406.0/36

Out: -0.011+/-0.012 χ^2/NDF:209103.9/38

All: -0.117+/-0.008 χ^2/NDF: 418678.1/75



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.266+/-0.013 χ^2/NDF:4348.8/20

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.114+/-0.011 χ^2/NDF:6848.8/20

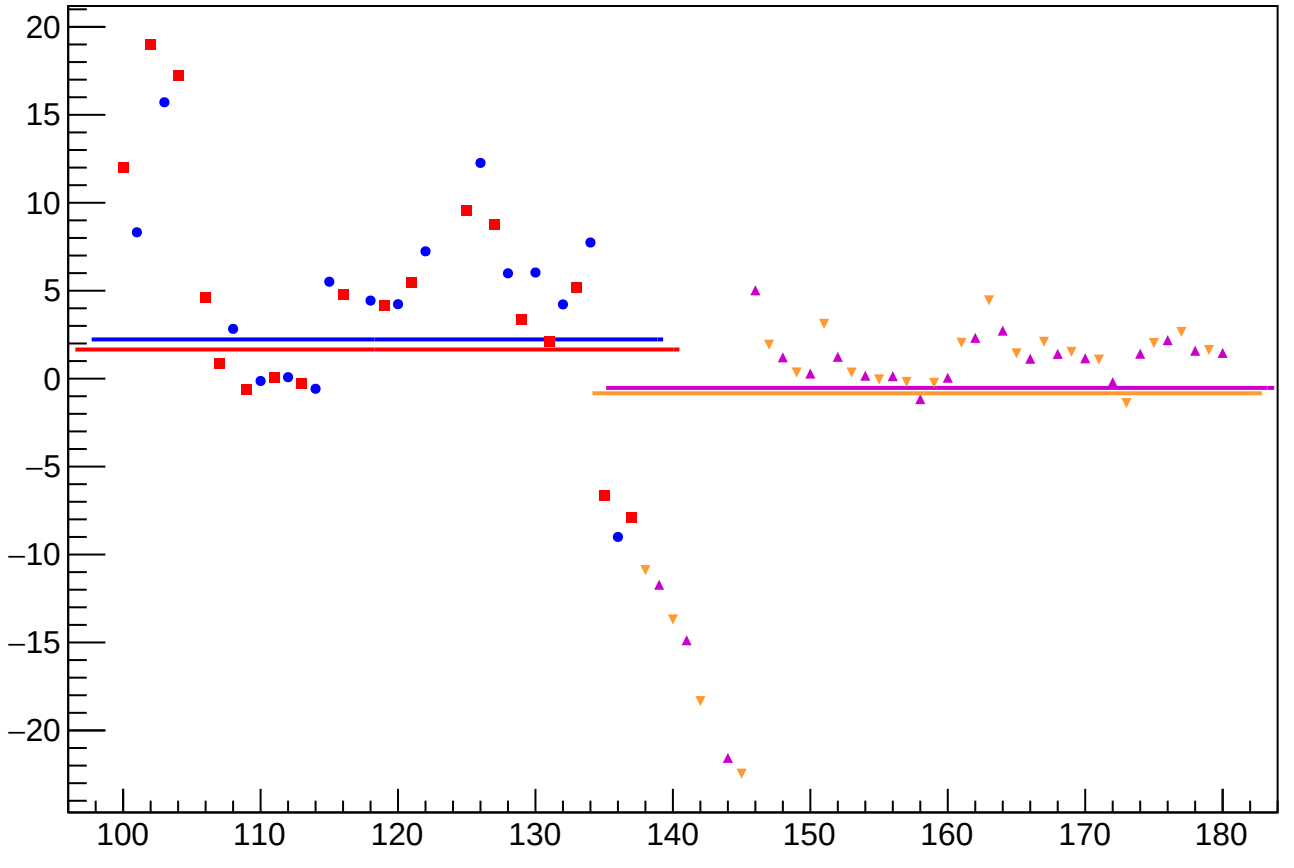
Left: 0.181+/-0.008 χ^2/NDF: 11278.6/41

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.170+/-0.010 χ^2/NDF:9499.3/36

Out: 0.283+/-0.011 χ^2/NDF:5913.8/38

All: 0.222+/-0.007 χ^2/NDF: 15473.7/75



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.831+/-0.016 χ^2/NDF:120928.8/20

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.526+/-0.014 χ^2/NDF:125365.6/20

Left: -0.659+/-0.011 χ^2/NDF: 246489.9/41

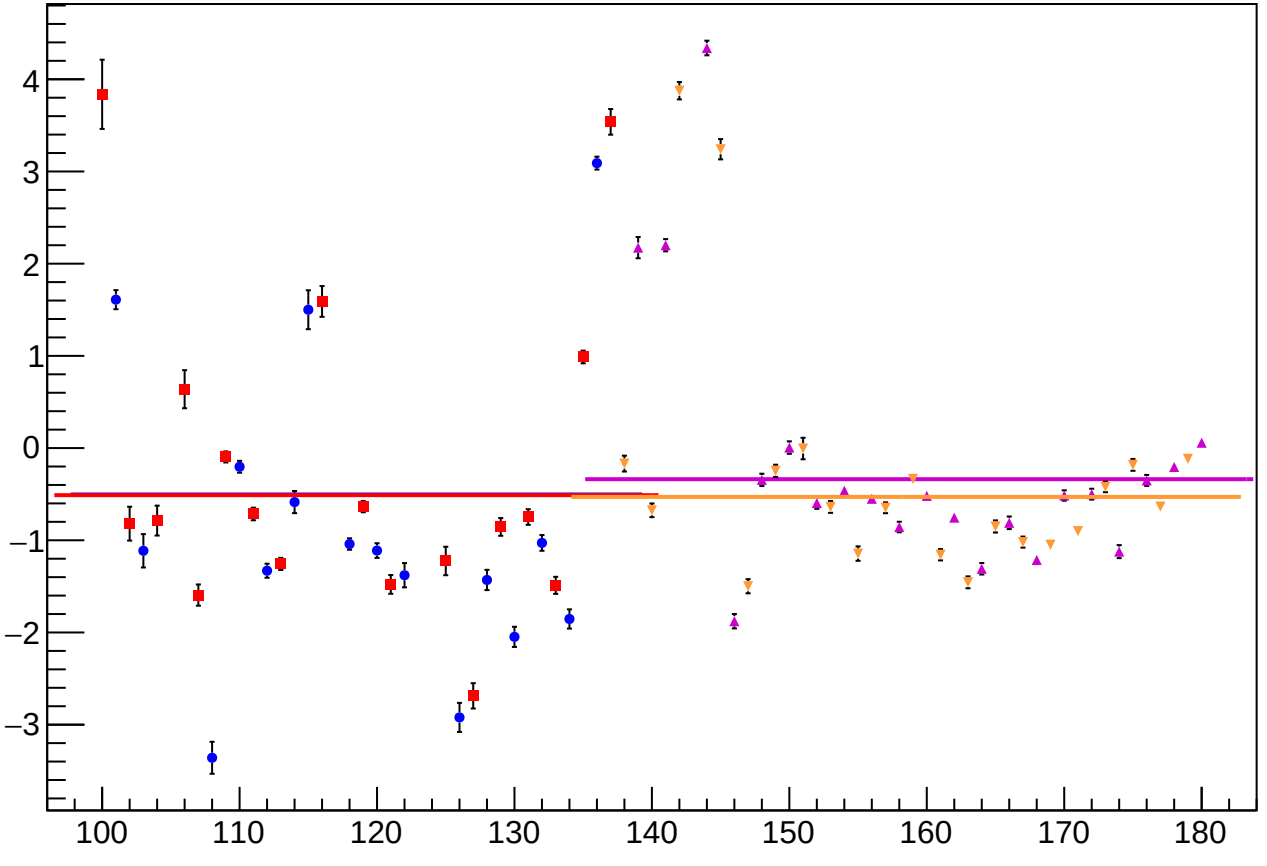
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.291+/-0.012 χ^2/NDF:205334.6/36

Out: 0.142+/-0.013 χ^2/NDF:202739.7/38

All: 0.220+/-0.009 χ^2/NDF: 408145.1/75

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: -0.529+/-0.014 χ^2/NDF:4307.7/20

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.337+/-0.013 χ^2/NDF:6799.9/20

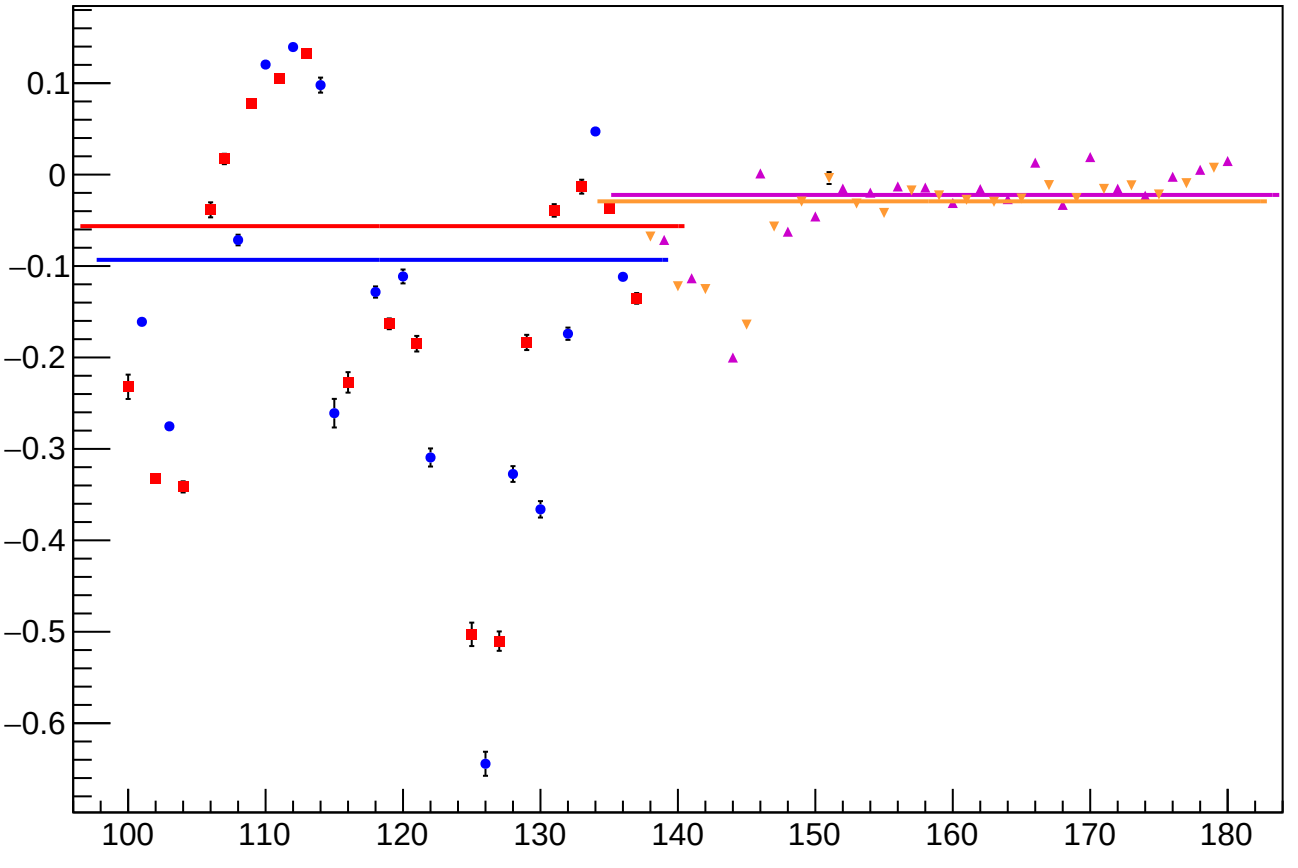
Left: -0.422+/-0.009 χ^2/NDF: 11211.5/41

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.374+/-0.011 χ^2/NDF:11285.6/36

Out: -0.524+/-0.012 χ^2/NDF:6732.2/38

All: -0.444+/-0.008 χ^2/NDF: 18103.3/75



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.029+/-0.001 χ^2/NDF:2774.2/20

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.022+/-0.001 χ^2/NDF:4210.6/20

Left: -0.025+/-0.000 χ^2/NDF: 7058.6/41

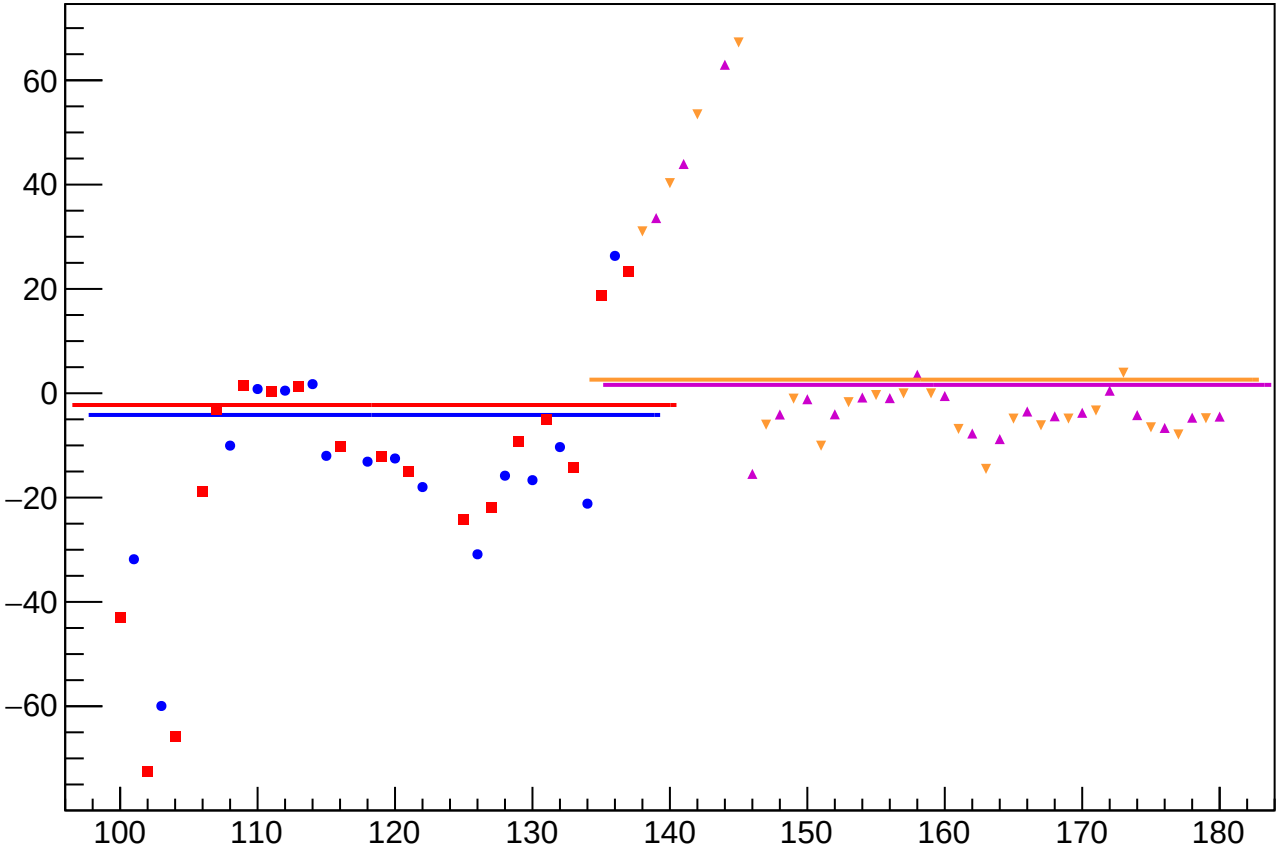
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.031+/-0.001 χ^2/NDF:18155.7/36

Out: -0.034+/-0.001 χ^2/NDF:17584.9/38

All: -0.033+/-0.000 χ^2/NDF: 35756.2/75

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: 2.608+/-0.049 χ^2/NDF:127675.4/20

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 1.607+/-0.043 χ^2/NDF:131029.3/20

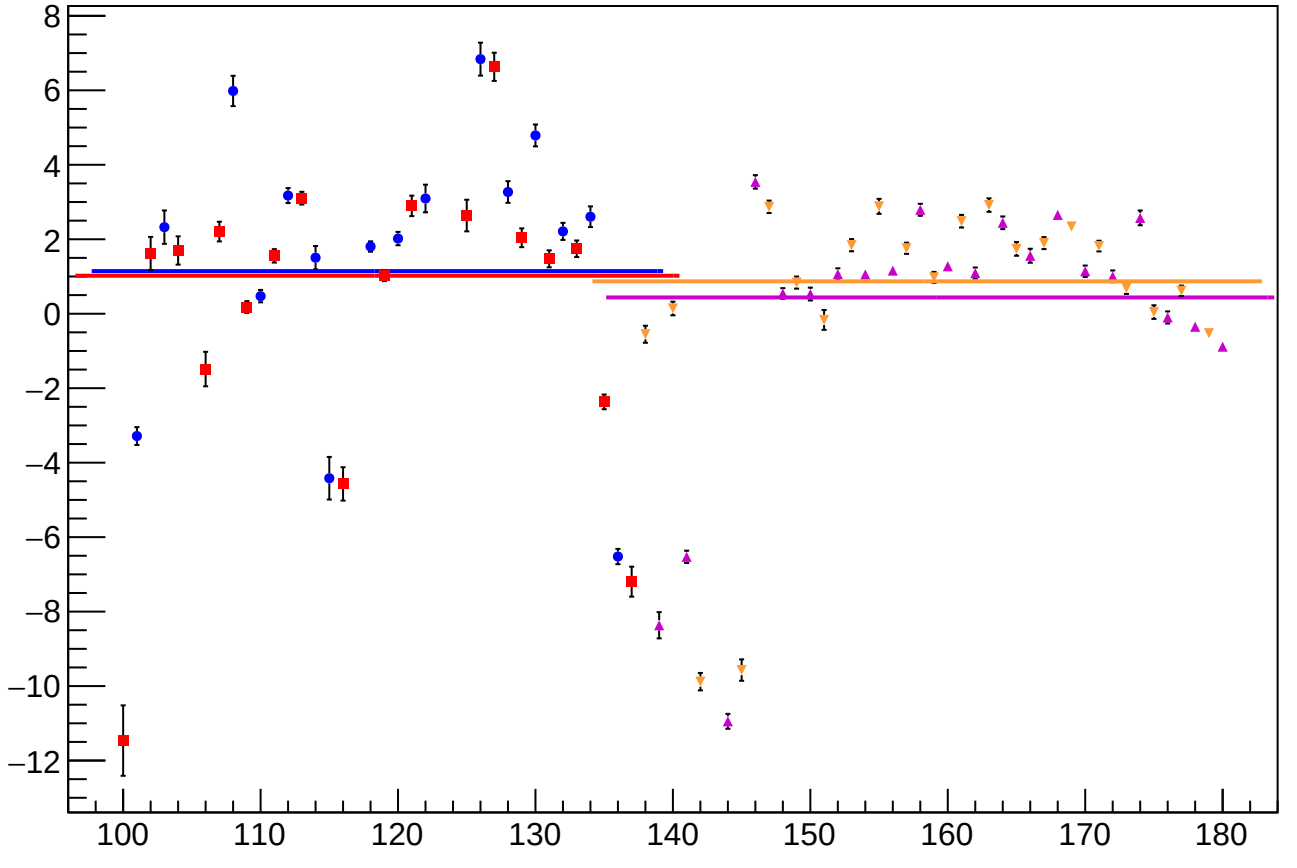
Left: 2.045+/-0.032 χ^2/NDF: 258941.9/41

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.614+/-0.034 χ^2/NDF:213361.9/36

Out: 0.035+/-0.033 χ^2/NDF:212570.9/38

All: -0.287+/-0.024 χ^2/NDF: 426119.1/75



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.869+/-0.037 χ^2/NDF:4392.1/20

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.437+/-0.033 χ^2/NDF:7024.7/20

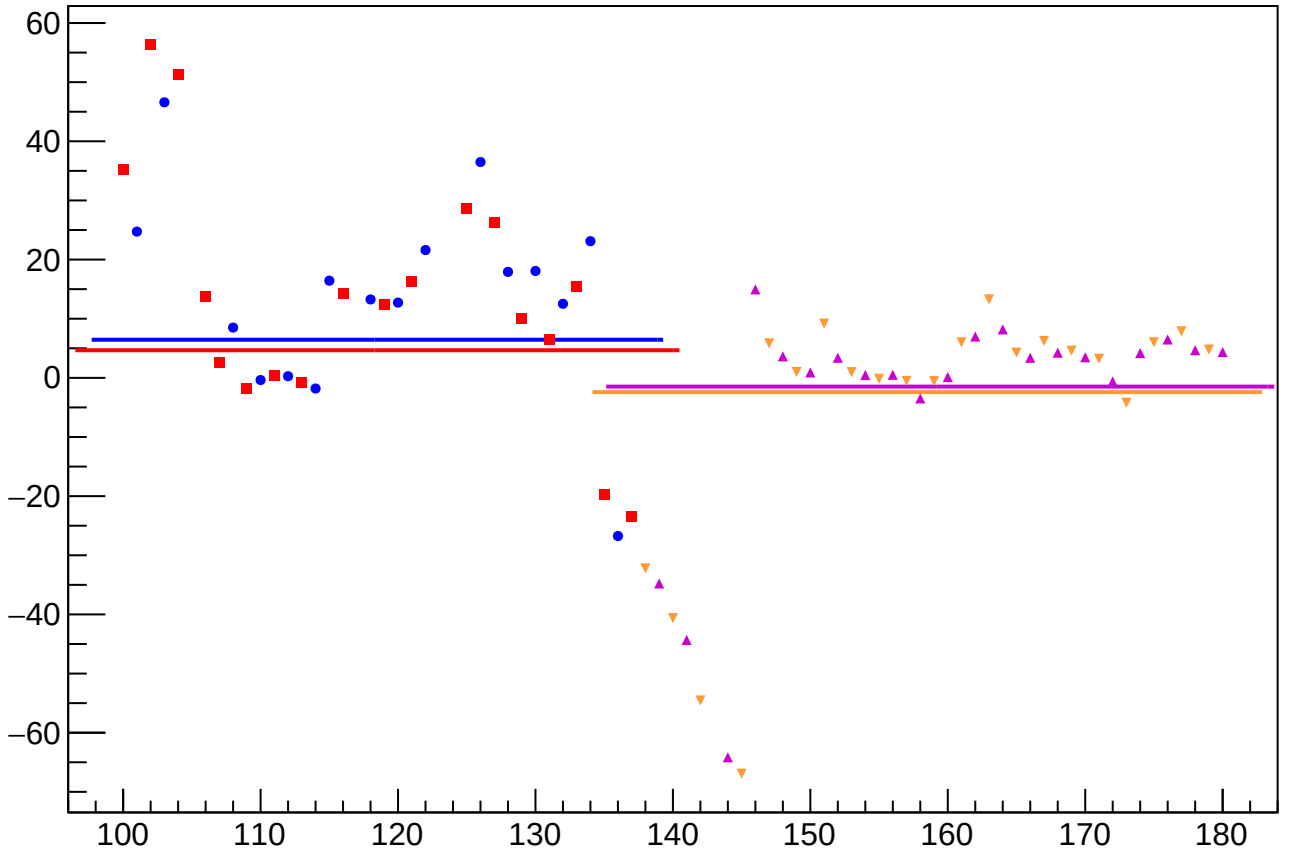
Left: 0.627+/-0.025 χ^2/NDF: 11493.4/41

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.599+/-0.029 χ^2/NDF:9726.7/36

Out: 0.914+/-0.031 χ^2/NDF:5988.2/38

All: 0.745+/-0.021 χ^2/NDF: 15770.4/75



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -2.408+/-0.048 χ^2/NDF:122983.2/20

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -1.479+/-0.042 χ^2/NDF:127828.8/20

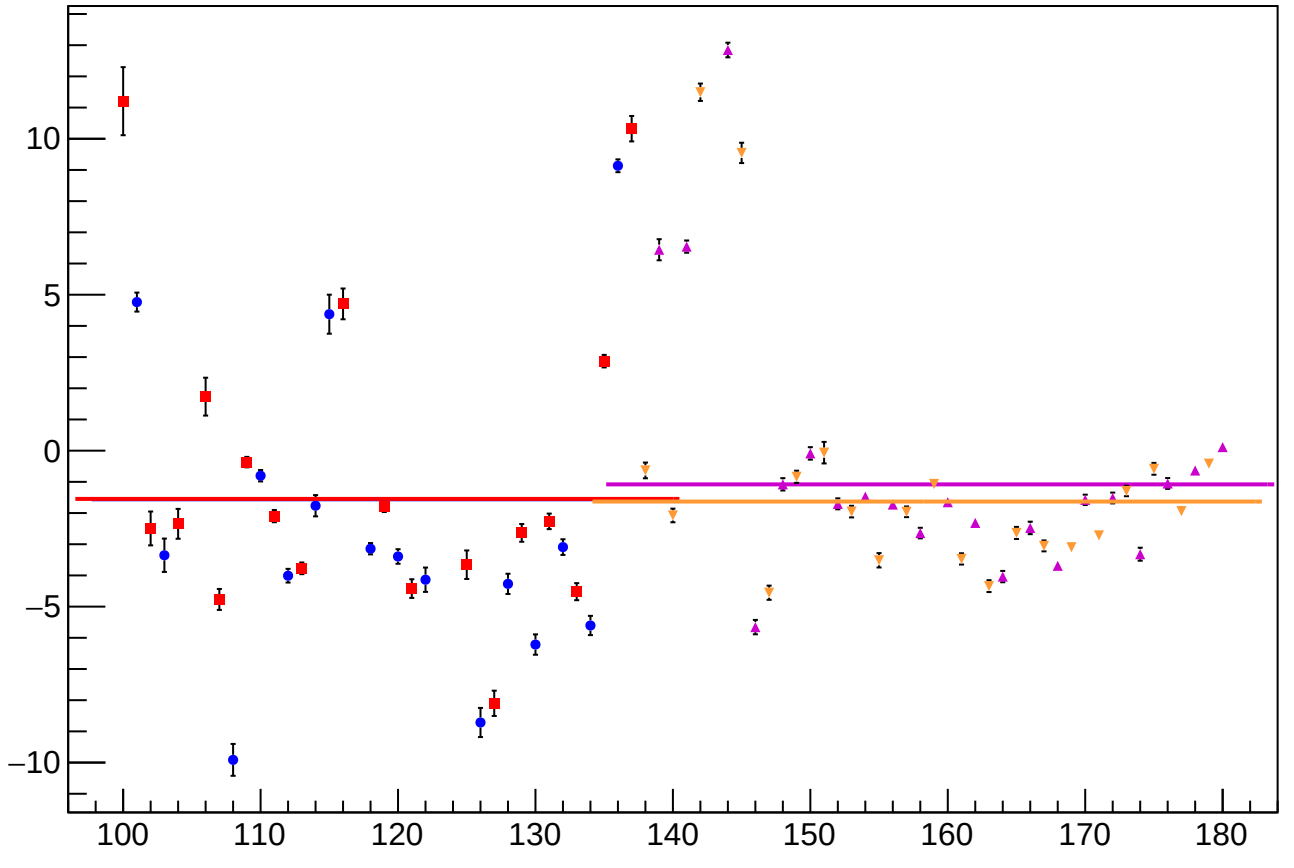
Left: -1.883+/-0.032 χ^2/NDF: 251023.9/41

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.867+/-0.035 χ^2/NDF:209149.7/36

Out: 0.410+/-0.037 χ^2/NDF:206065.1/38

All: 0.651+/-0.026 χ^2/NDF: 415294.2/75



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.631+/-0.041 χ^2/NDF:4347.3/20

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.081+/-0.036 χ^2/NDF:6961.9/20

Left: -1.323+/-0.027 χ^2/NDF: 11409.3/41

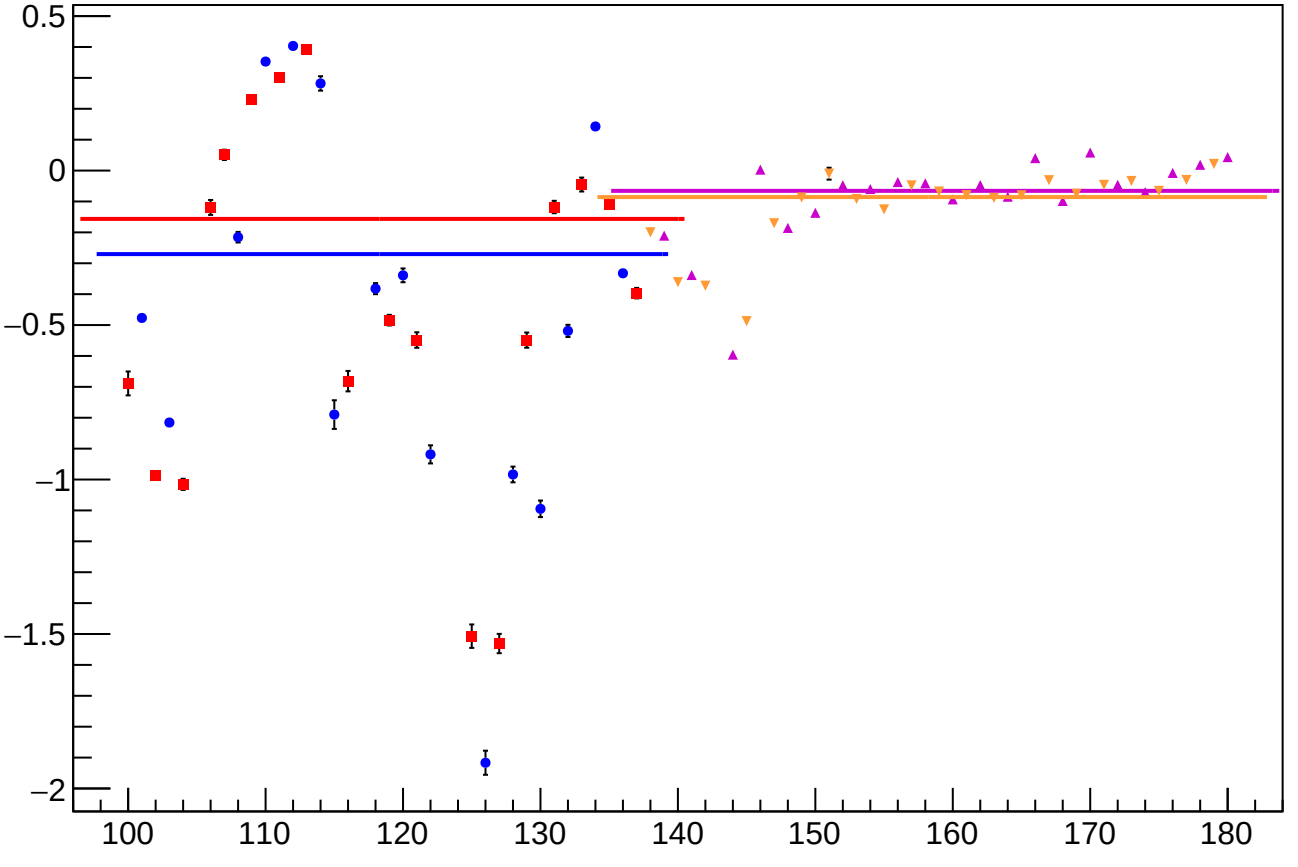
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.185+/-0.032 χ^2/NDF:11542.3/36

Out: -1.607+/-0.035 χ^2/NDF:6818.6/38

All: -1.380+/-0.024 χ^2/NDF: 18440.2/75

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: -0.086+/-0.002 χ^2/NDF:2814.8/20

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.066+/-0.002 χ^2/NDF:4315.9/20

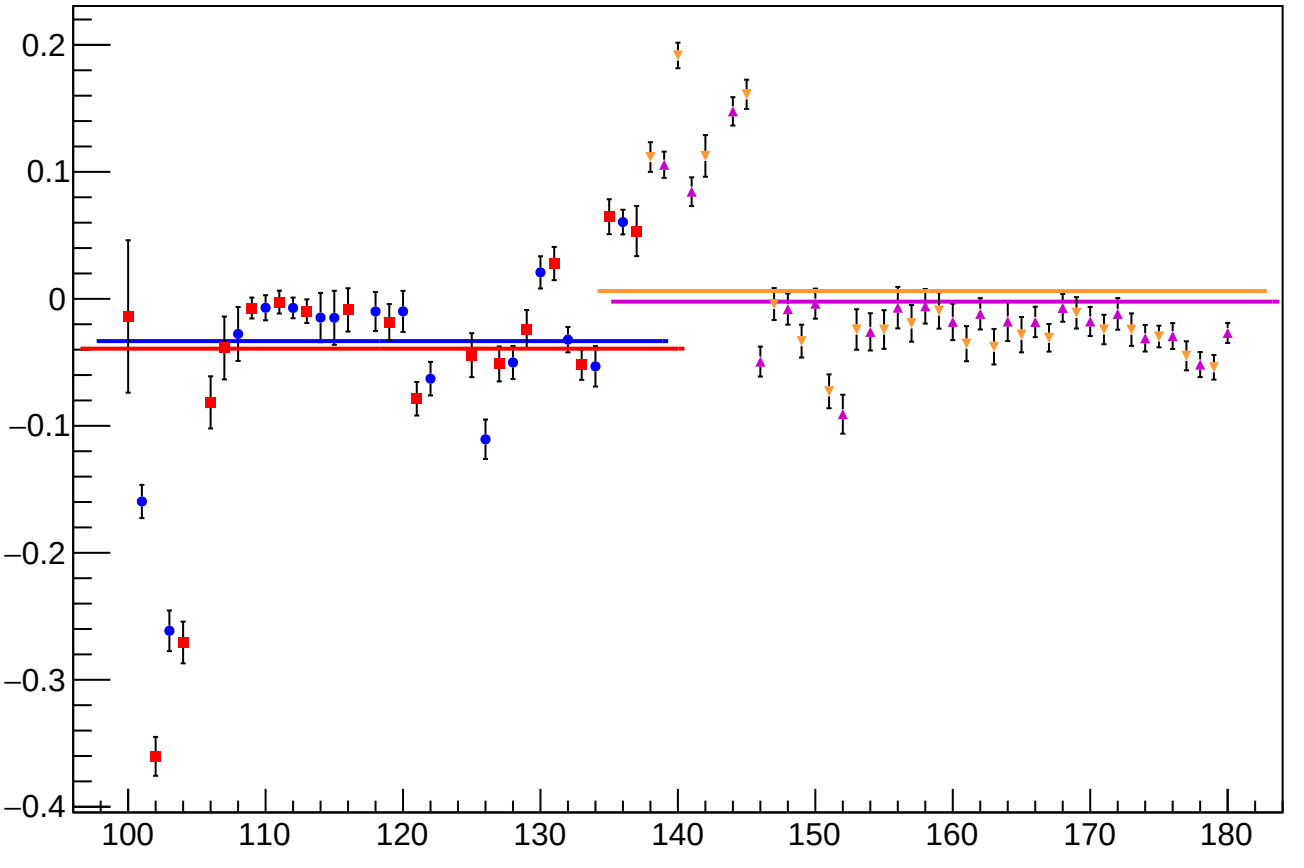
Left: -0.074+/-0.001 χ^2/NDF: 7202.7/41

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.091+/-0.001 χ^2/NDF:18556.8/36

Out: -0.099+/-0.002 χ^2/NDF:18128.6/38

All: -0.095+/-0.001 χ^2/NDF: 36697.6/75



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.006+/-0.003 χ^2/NDF:827.5/20

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: -0.002+/-0.003 χ^2/NDF:455.9/20

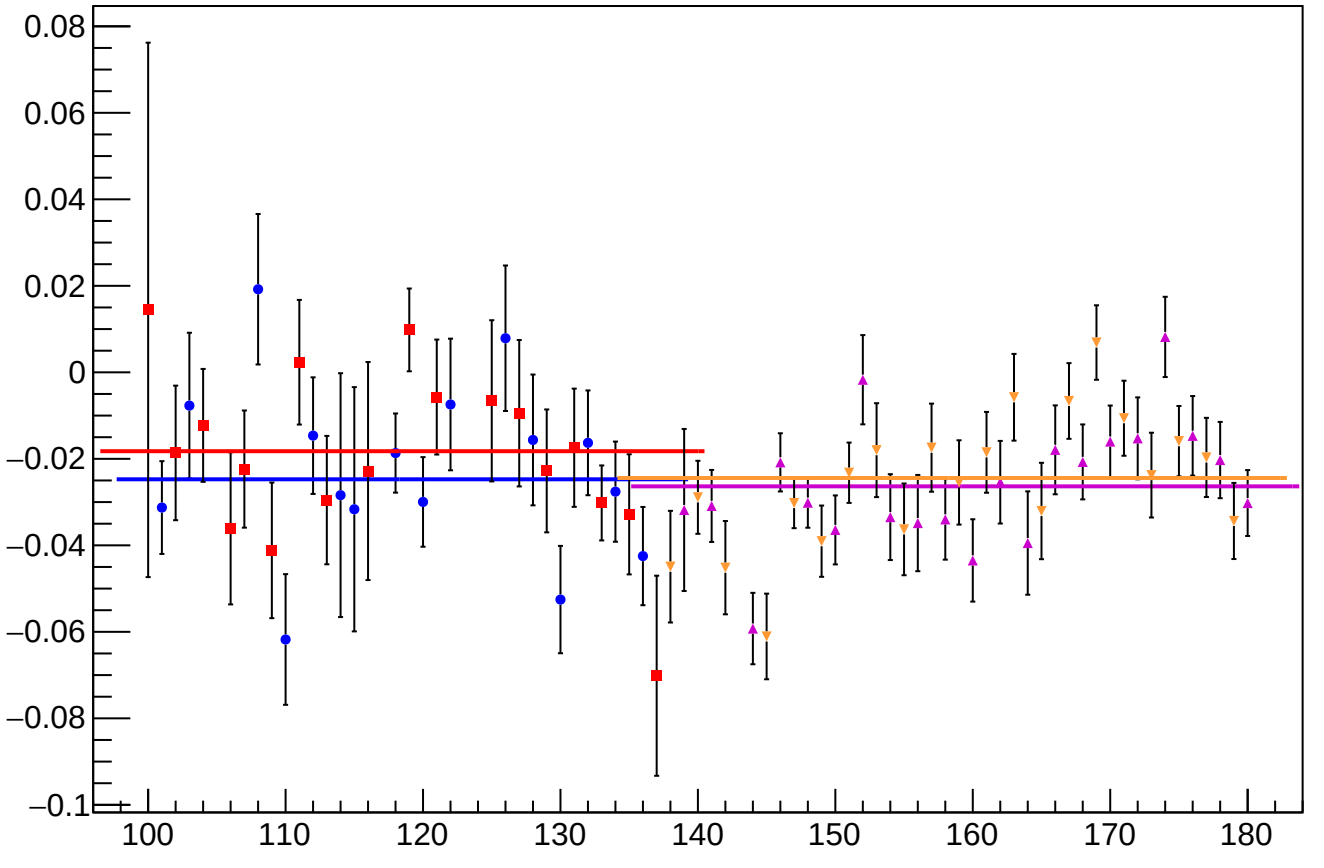
Left: 0.002+/-0.002 χ^2/NDF: 1288.5/41

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

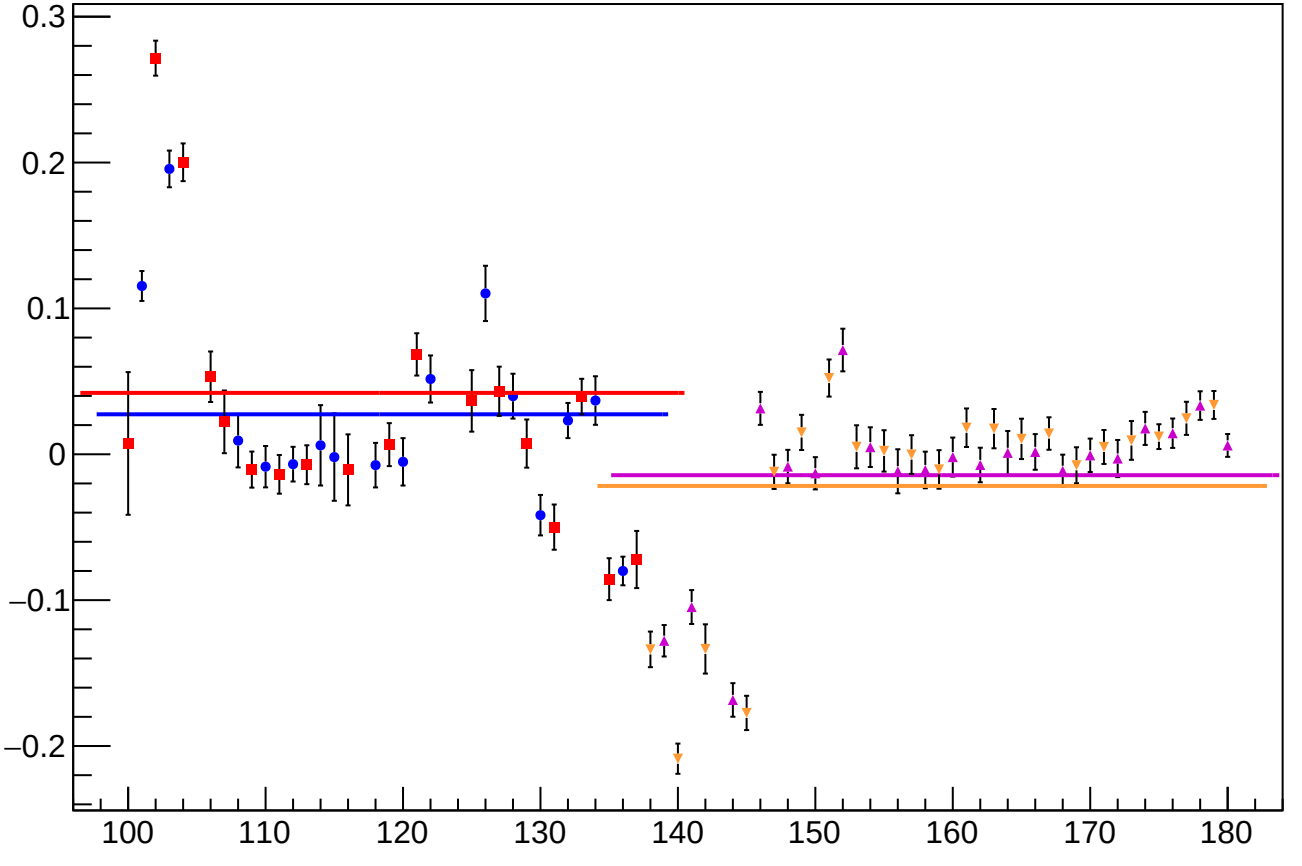
In: -0.014+/-0.002 χ^2/NDF:976.8/36

Out: -0.013+/-0.002 χ^2/NDF:1754.5/38

All: -0.013+/-0.001 χ^2/NDF: 2731.6/75


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0.08
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
180
Right In: -0.025+/-0.003 χ²/NDF: 28.5/15
Left Out: -0.024+/-0.002 χ²/NDF:53.3/20
Right Out: -0.018+/-0.003 χ²/NDF: 24.7/17
Left In: -0.026+/-0.002 χ²/NDF:51.1/20
Left: -0.025+/-0.001 χ²/NDF: 104.9/41
Right: -0.022+/-0.002 χ²/NDF: 55.1/33
In: -0.026+/-0.002 χ²/NDF:79.8/36
Out: -0.023+/-0.002 χ²/NDF:80.6/38
All: -0.024+/-0.001 χ²/NDF: 162.1/75

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: -0.022+/-0.003 χ^2/NDF:794.7/20

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.014+/-0.003 χ^2/NDF:456.8/20

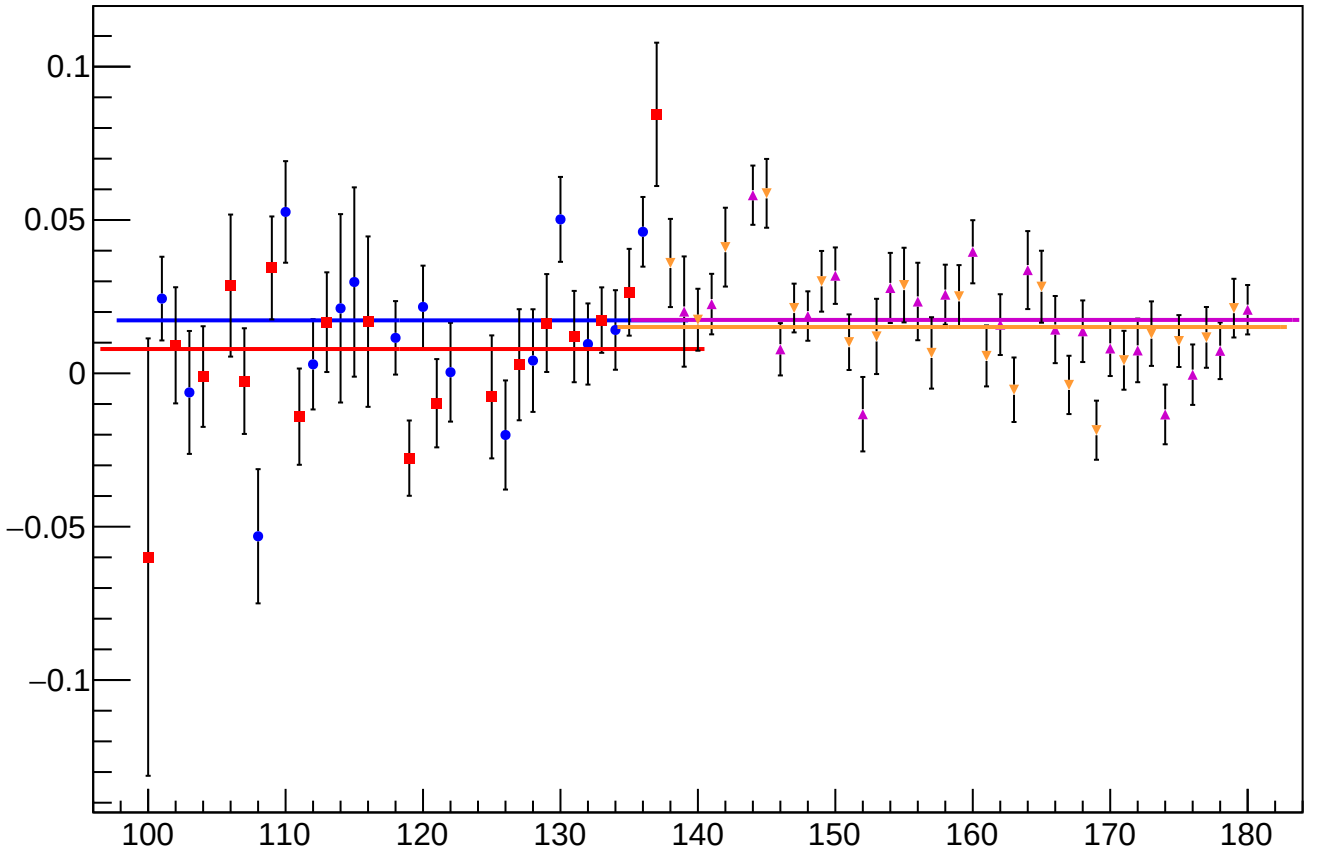
Left: -0.018+/-0.002 χ^2/NDF: 1255.6/41

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.001+/-0.002 χ^2/NDF:994.1/36

Out: 0.000+/-0.002 χ^2/NDF:1729.9/38

All: -0.000+/-0.001 χ^2/NDF: 2724.1/75



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.6/20

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:53.1/20

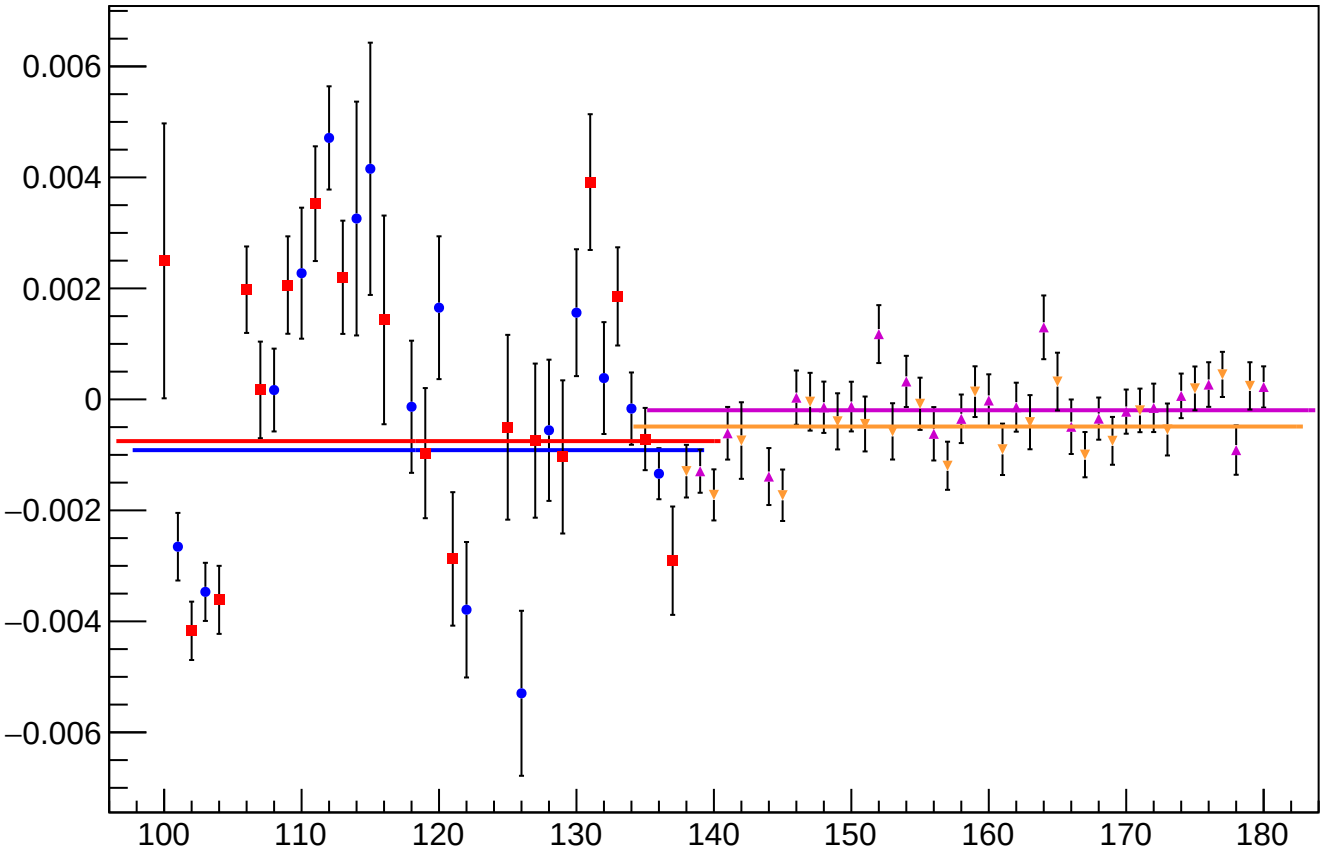
Left: 0.016+/-0.002 χ^2/NDF: 105.2/41

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.017+/-0.002 χ^2/NDF:89.8/36

Out: 0.013+/-0.002 χ^2/NDF:85.5/38

All: 0.015+/-0.001 χ^2/NDF: 177.5/75



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/20

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:36.6/20

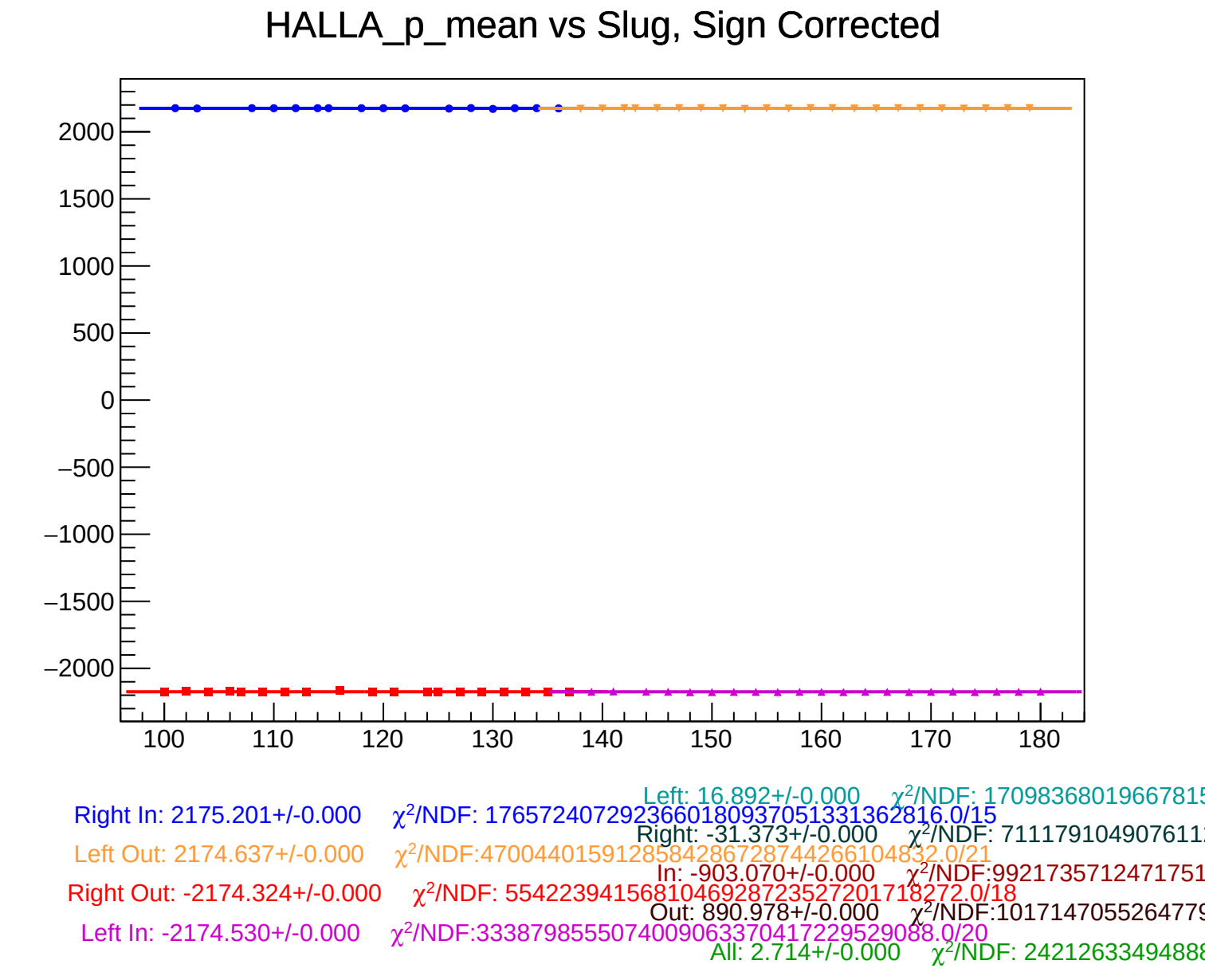
Left: -0.000+/-0.000 χ^2/NDF: 81.4/41

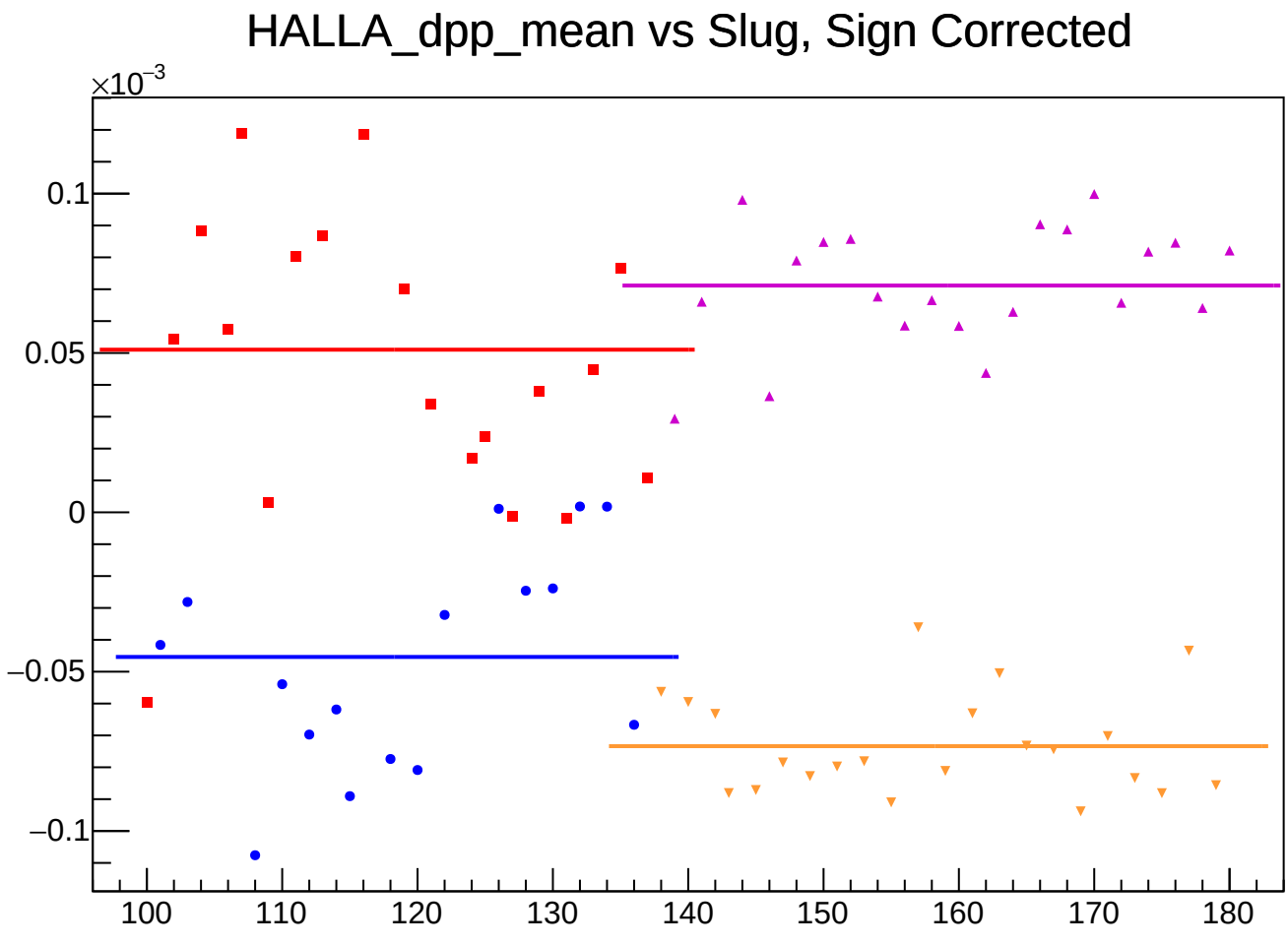
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:160.2/36

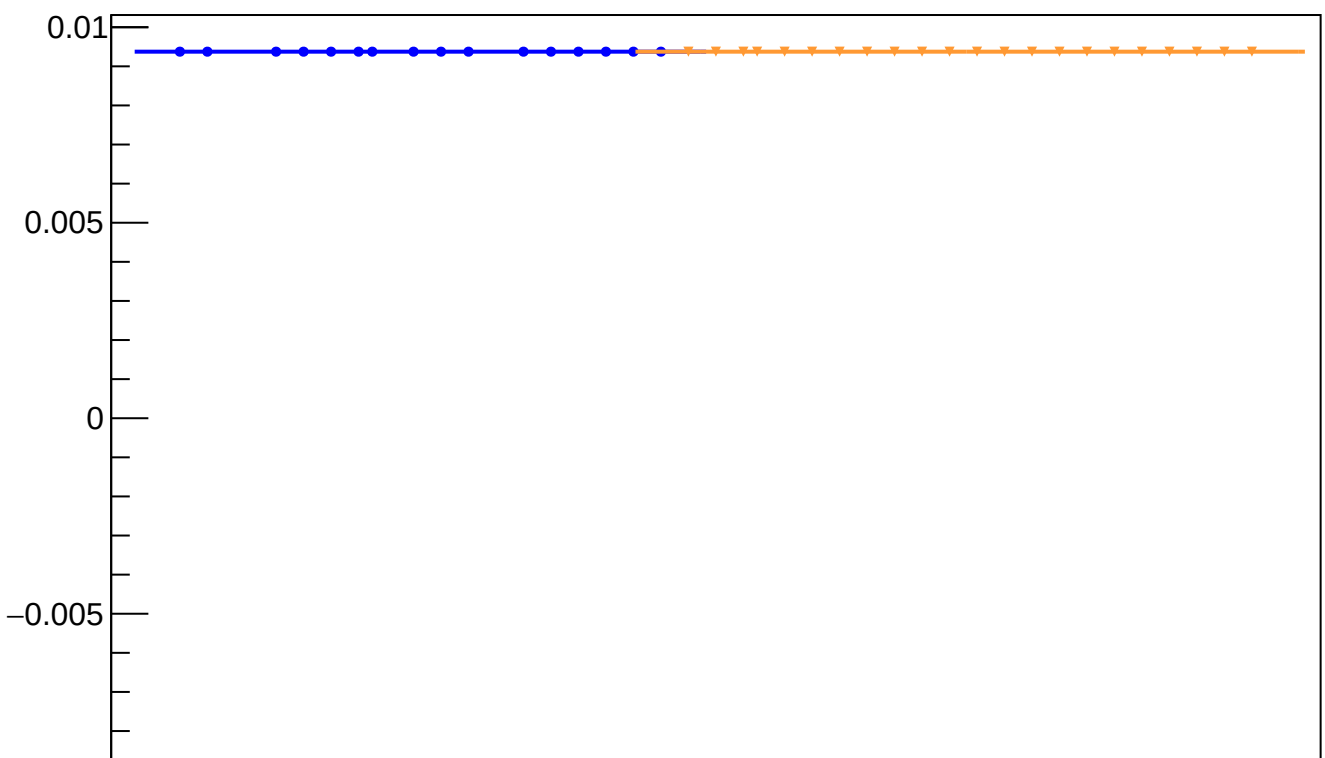
Out: -0.001+/-0.000 χ^2/NDF:189.2/38

All: -0.000+/-0.000 χ^2/NDF: 352.4/75


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
Left Out: 2174.637+/-0.000 χ²/NDF:4700440159128584286728744266104832.0/21
Right Out: -2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
Left In: -2174.530+/-0.000 χ²/NDF:33387985550740090633704172295290 88.0/20
Left: 16.892+/-0.000 χ²/NDF: 17098368019667815
Right: -31.373+/-0.000 χ²/NDF: 7111791049076111
In: -903.070+/-0.000 χ²/NDF:9921735712471751
Out: 890.978+/-0.000 χ²/NDF:1017147055264779
All: 2.714+/-0.000 χ²/NDF: 2421263349488


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
180
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4502936259007606853468160.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:6275193885713332856422400.0/20
Left: -0.000+/-0.000 χ²/NDF: 19960920528384622
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8462388292617171990
Out: -0.000+/-0.000 χ²/NDF:97858091411911558
All: -0.000+/-0.000 χ²/NDF: 2520900513941

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:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/20

Left: 0.000+/-0.000 χ^2/NDF: 317793444068029974

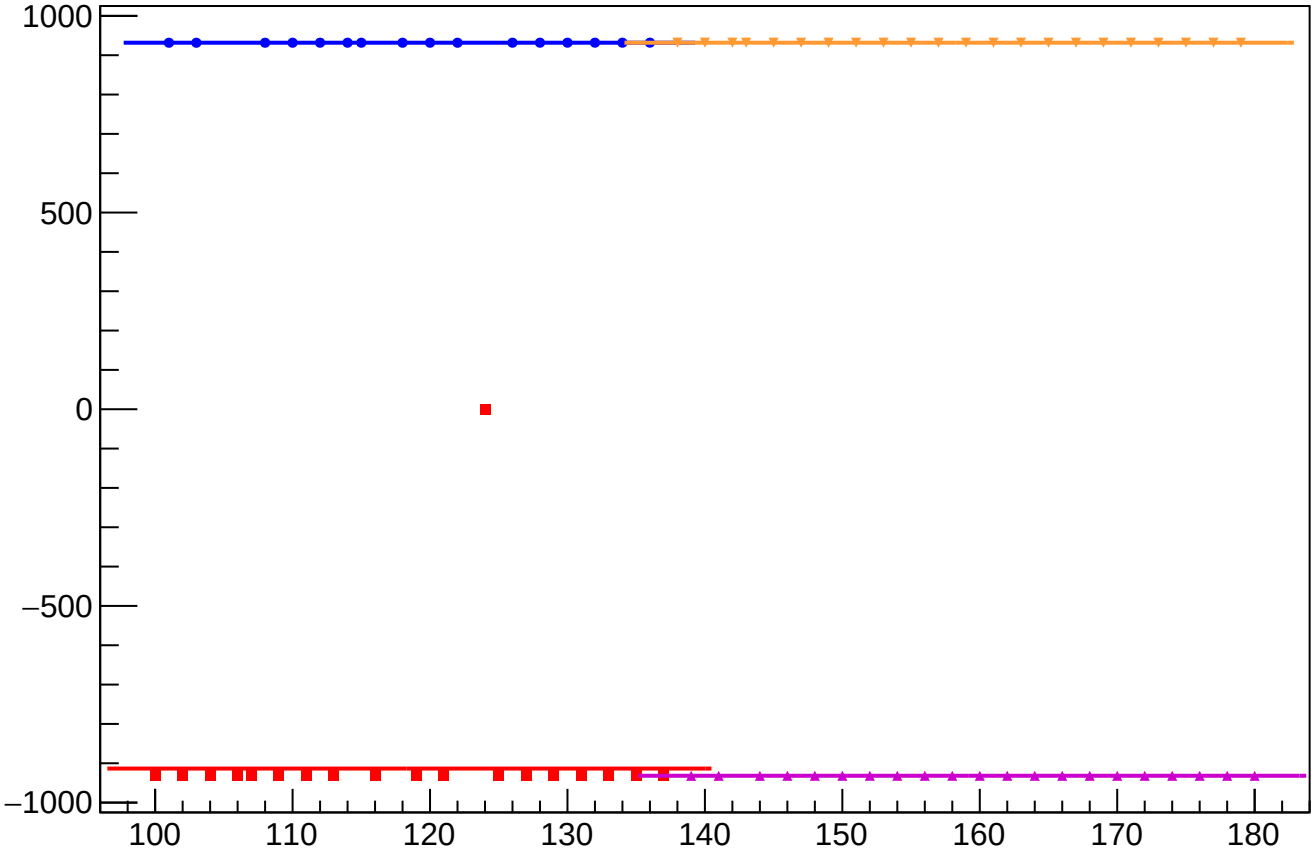
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:184359374999999549

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4499993820190

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.784+/-0.000 χ^2/NDF:42010629084902195255015846707 20.0/21

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.778+/-0.000 χ^2/NDF:38141901836502387607405991034 88.0/20

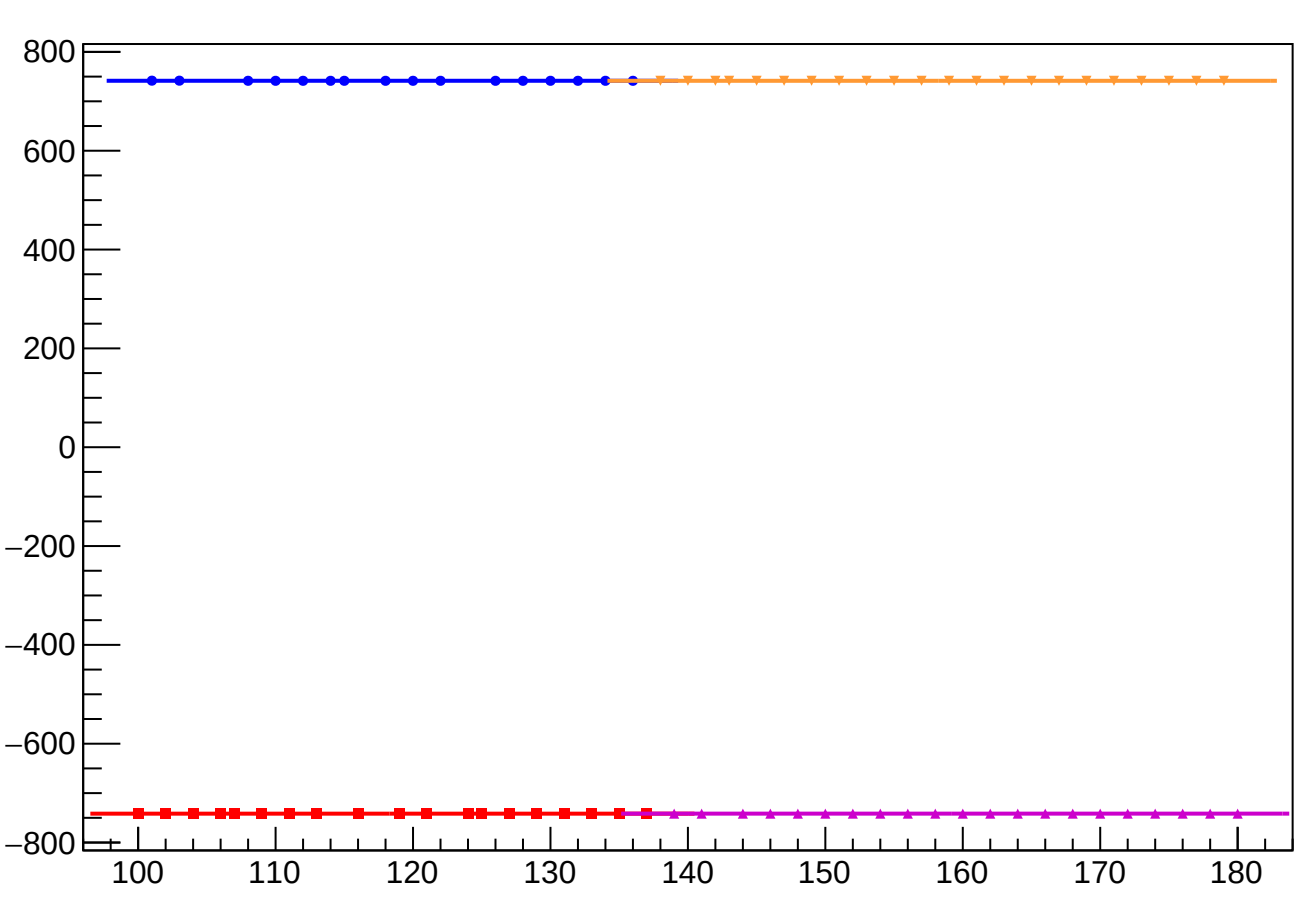
Left: 7.218+/-0.000 χ^2/NDF: 31392816895666600

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -387.049+/-0.000 χ^2/NDF:1821140305903959

Out: 387.138+/-0.000 χ^2/NDF:184387427252683

All: 3.825+/-0.000 χ^2/NDF: 4432128581281



Left: 5.742+/-0.000 χ^2/NDF: 19881034163843068

Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

Left Out: 741.512+/-0.000 χ^2/NDF:2346961827359627959311290859 52.0/21

In: -307.996+/-0.000 χ^2/NDF:1153432938468294

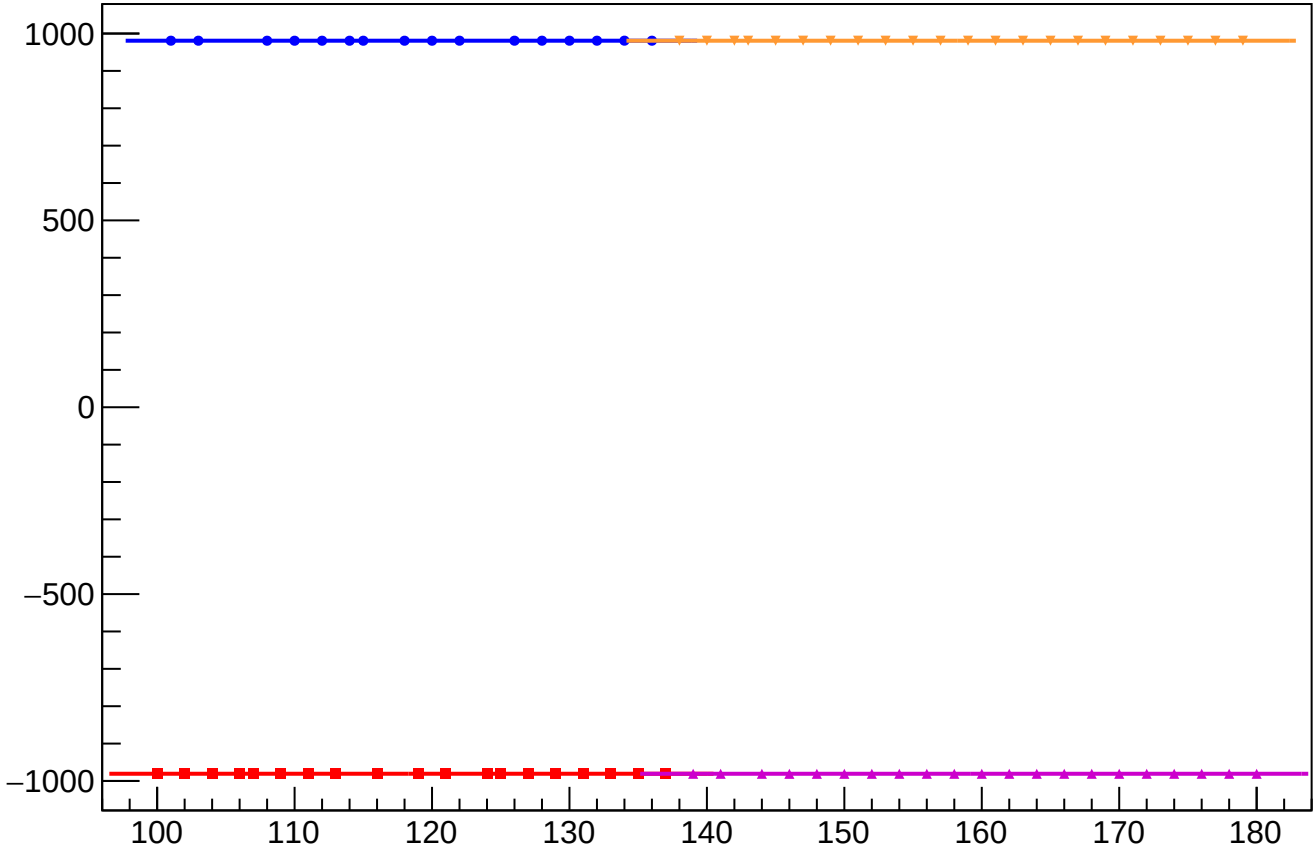
Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Out: 303.757+/-0.000 χ^2/NDF:1182896832522207

Left In: -741.512+/-0.000 χ^2/NDF:214744336520281732099002597376.0/20

All: 0.868+/-0.000 χ^2/NDF: 28153139878841

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 7.592+/-0.000 χ^2/NDF: 347806150913460751

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

Left Out: 980.768+/-0.000 χ^2/NDF:767779411704077765928755920896.0/21

In: -407.389+/-0.000 χ^2/NDF:2017778891353644

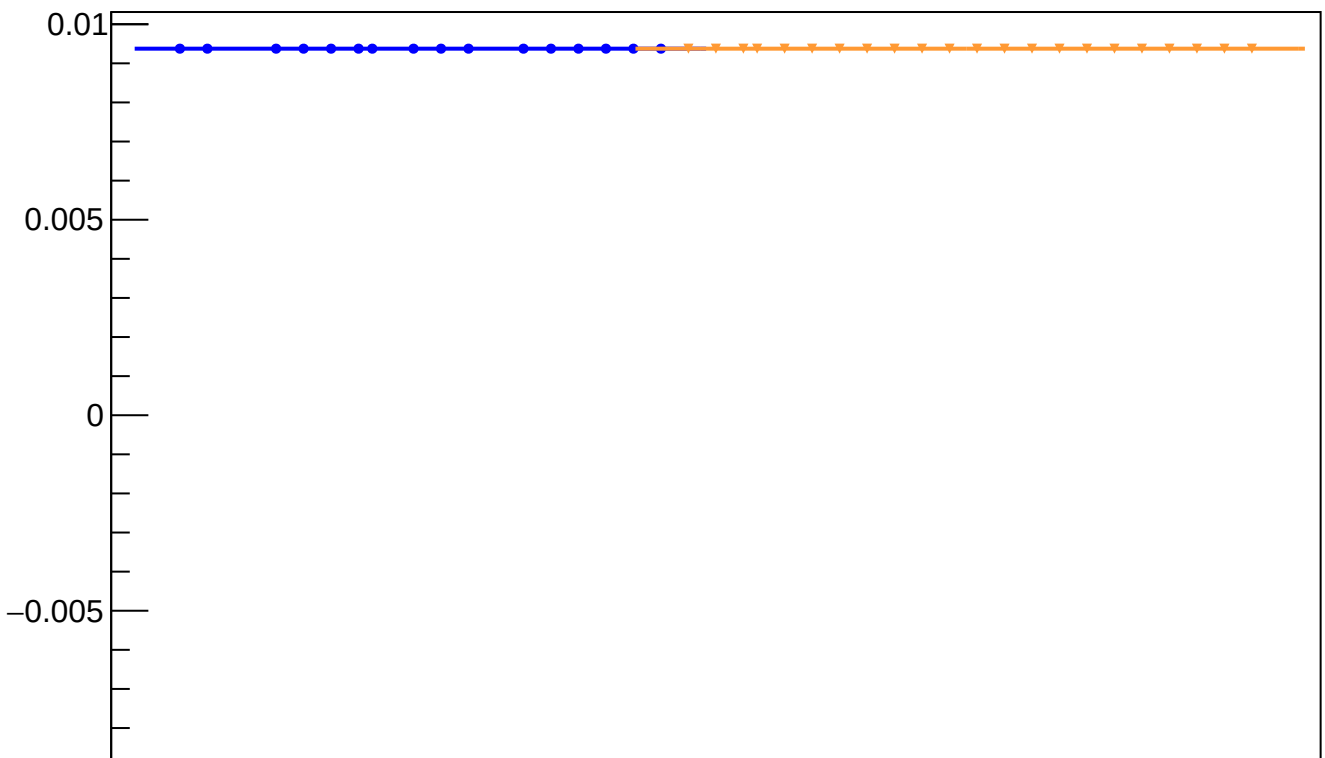
Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Out: 401.805+/-0.000 χ^2/NDF:2069119804256075

Left In: -980.773+/-0.000 χ^2/NDF:151245207827606807367853621248.0/20

All: 1.159+/-0.000 χ^2/NDF: 4924956878766

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:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/20

Left: 0.000+/-0.000 χ^2/NDF: 317793444068029974

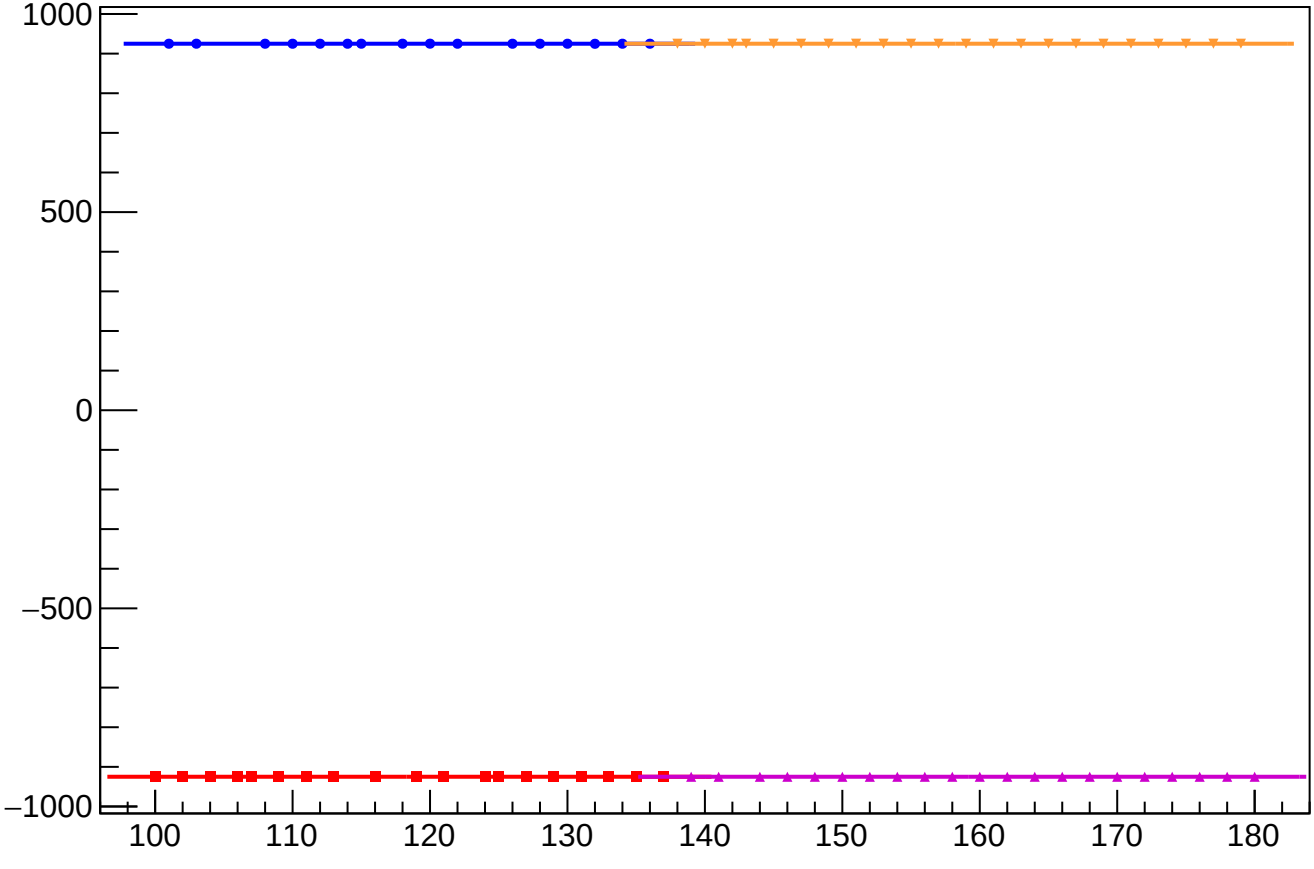
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:184359374999999549

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4499993820190

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 7.162+/-0.000 χ^2/NDF: 309364042856007694

Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

Left Out: 924.983+/-0.000 χ^2/NDF:9846944732323447763769281740 80.0/21

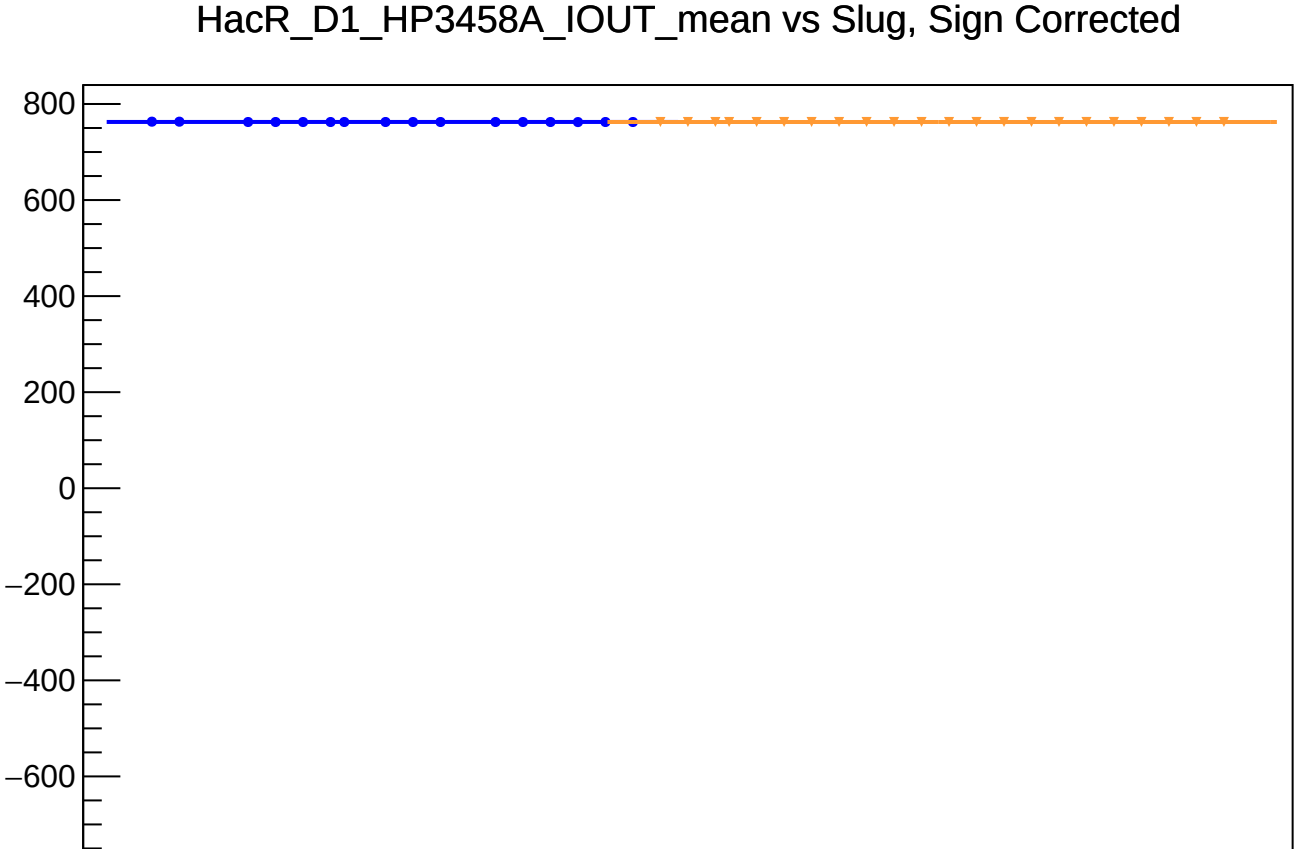
In: -384.229+/-0.000 χ^2/NDF:1794660916528827

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Out: 378.941+/-0.000 χ^2/NDF:1840498607716347

Left In: -924.983+/-0.000 χ^2/NDF:825180608332624731191044472832.0/20

All: 1.083+/-0.000 χ^2/NDF: 4380596965141



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.516+/-0.000 χ^2/NDF:704035912613939782189452361728.0/21

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.518+/-0.000 χ^2/NDF:63453238692936930071312072704O.0/20

Left: 5.904+/-0.000 χ^2/NDF: 210233290354682536

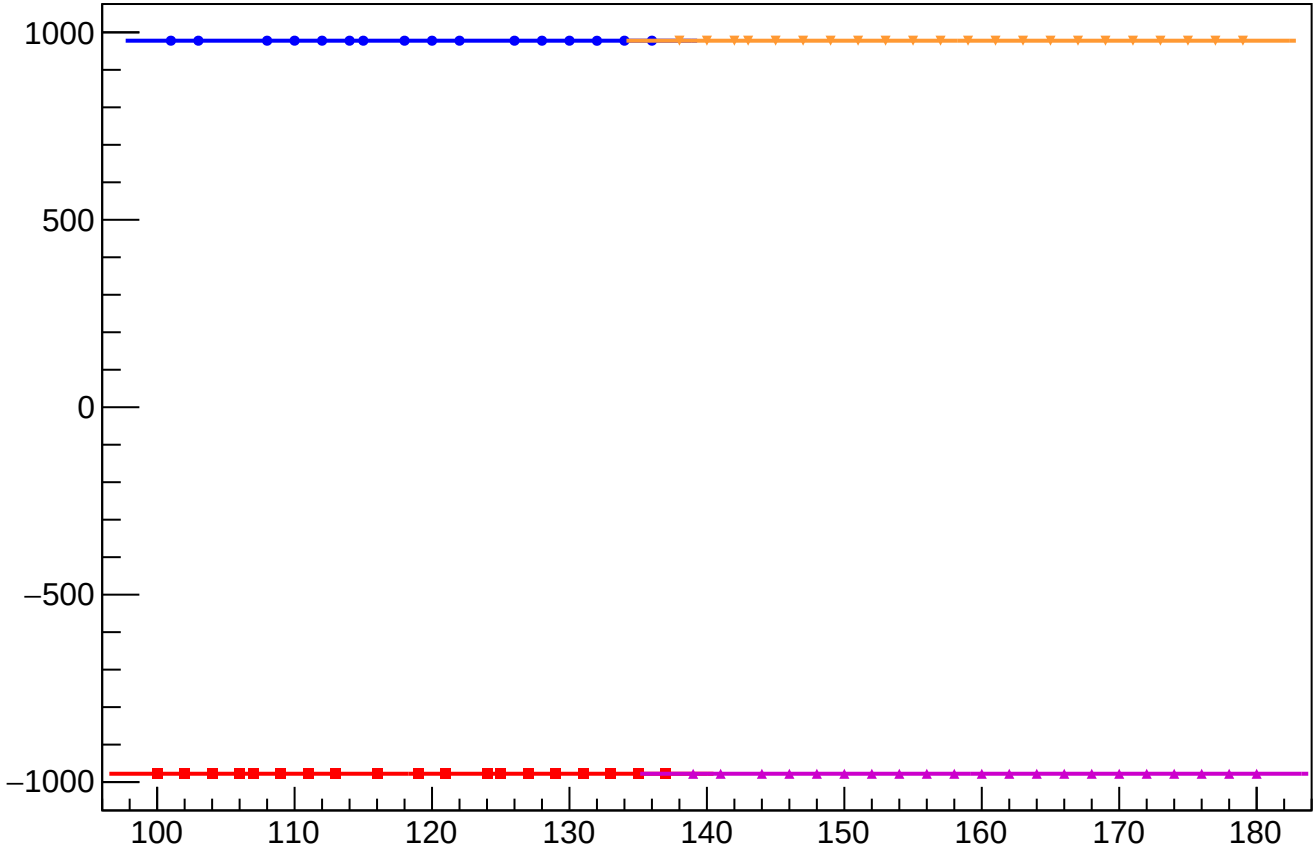
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: -316.711+/-0.000 χ^2/NDF:1219763064184043

Out: 312.351+/-0.000 χ^2/NDF:1250917479173344

All: 0.892+/-0.000 χ^2/NDF: 29771524256242

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.737+/-0.000 χ^2/NDF:1176312126129721155035582169088.0/21

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.735+/-0.000 χ^2/NDF:109431275060768157014786729574 4.0/20

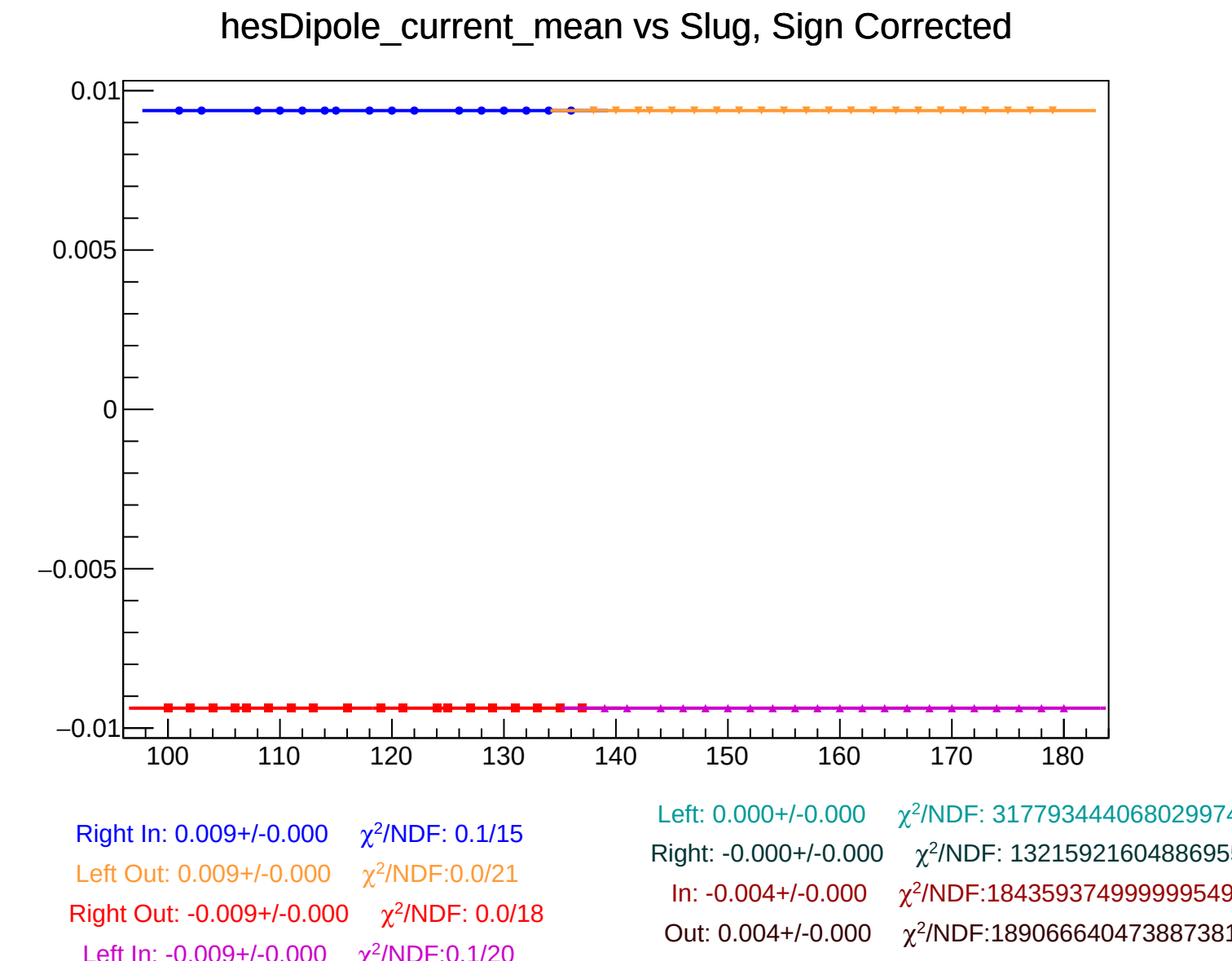
Left: 7.572+/-0.000 χ^2/NDF: 345657265738441190

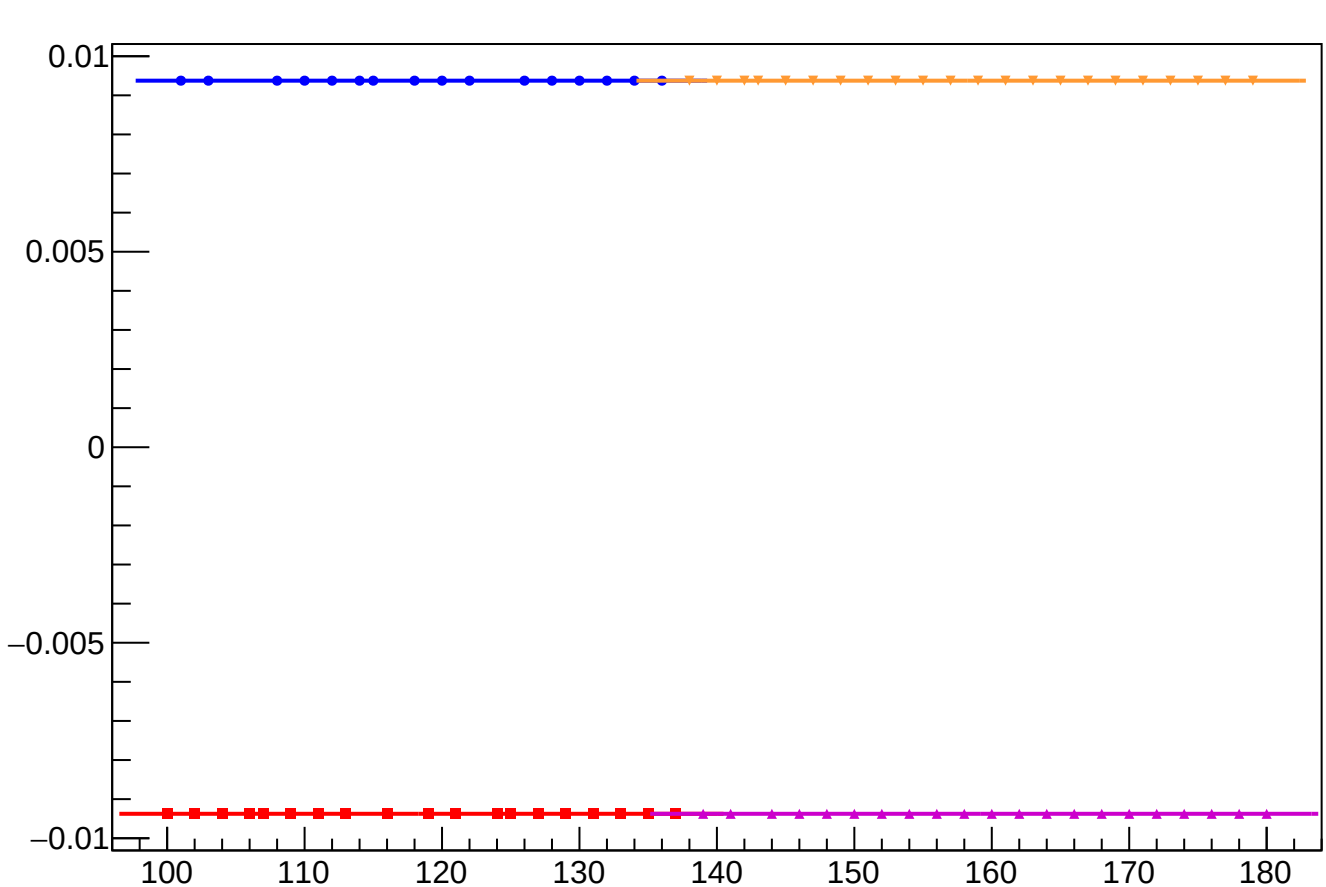
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -406.132+/-0.000 χ^2/NDF:2005262725047534

Out: 400.548+/-0.000 χ^2/NDF:2056464190183850

All: 1.147+/-0.000 χ^2/NDF: 4894584639755


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/21
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/20
Left: 0.000+/-0.000 χ²/NDF: 317793444068029974
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.004+/-0.000 χ²/NDF:184359374999999549
Out: 0.004+/-0.000 χ²/NDF:189066640473887381
All: 0.000+/-0.000 χ²/NDF: 4499993820190



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/20

Left: 0.000+/-0.000 χ^2/NDF: 317793444068029974

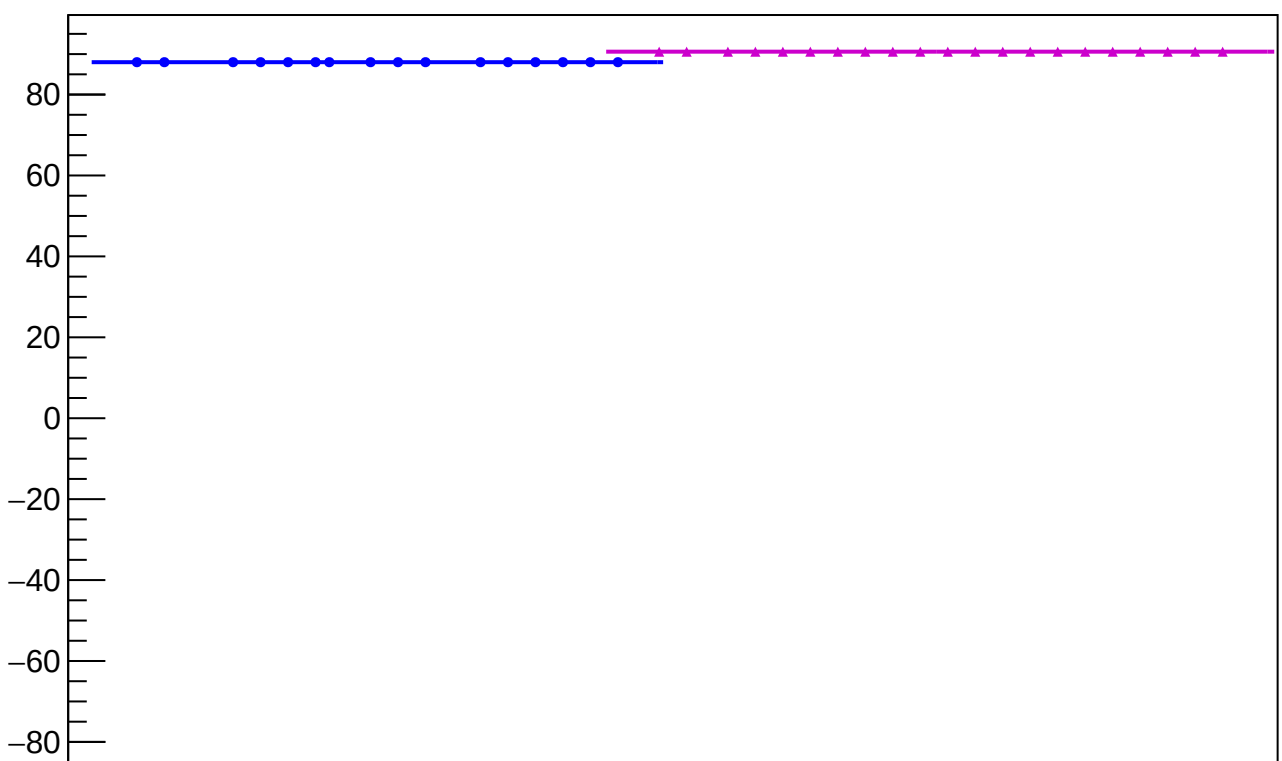
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:184359374999999549

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4499993820190

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:4434382.8/21

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:6277161.9/20

Left: -0.702+/-0.000 χ^2/NDF: 29679189399738411

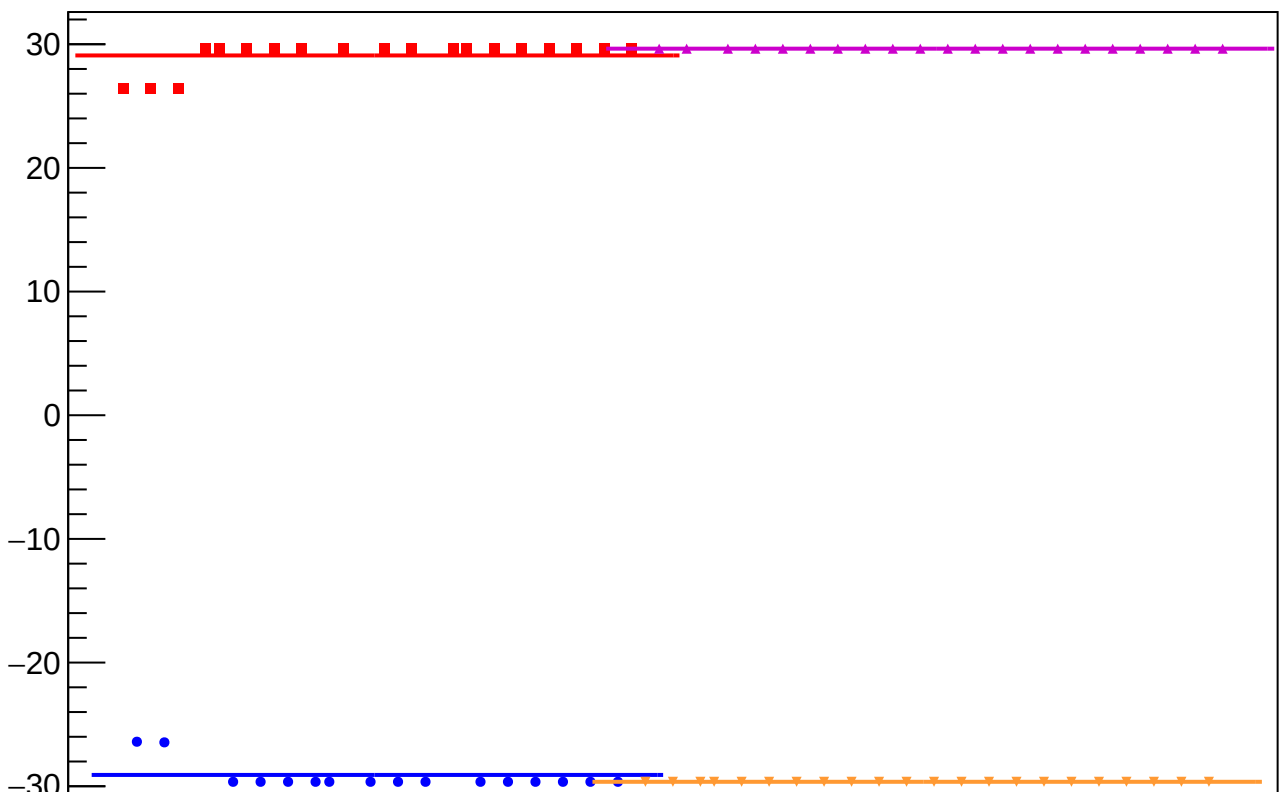
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.840+/-0.000 χ^2/NDF:354111036202093608

Out: -89.833+/-0.000 χ^2/NDF:3624046400218691

All: -0.874+/-0.000 χ^2/NDF: 4132458332052

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 10943678852516098773550364119531520.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:258796.9/21

Right Out: 29.093+/-0.000 χ^2/NDF: 11252381567496928497978058997760000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:105732.6/20

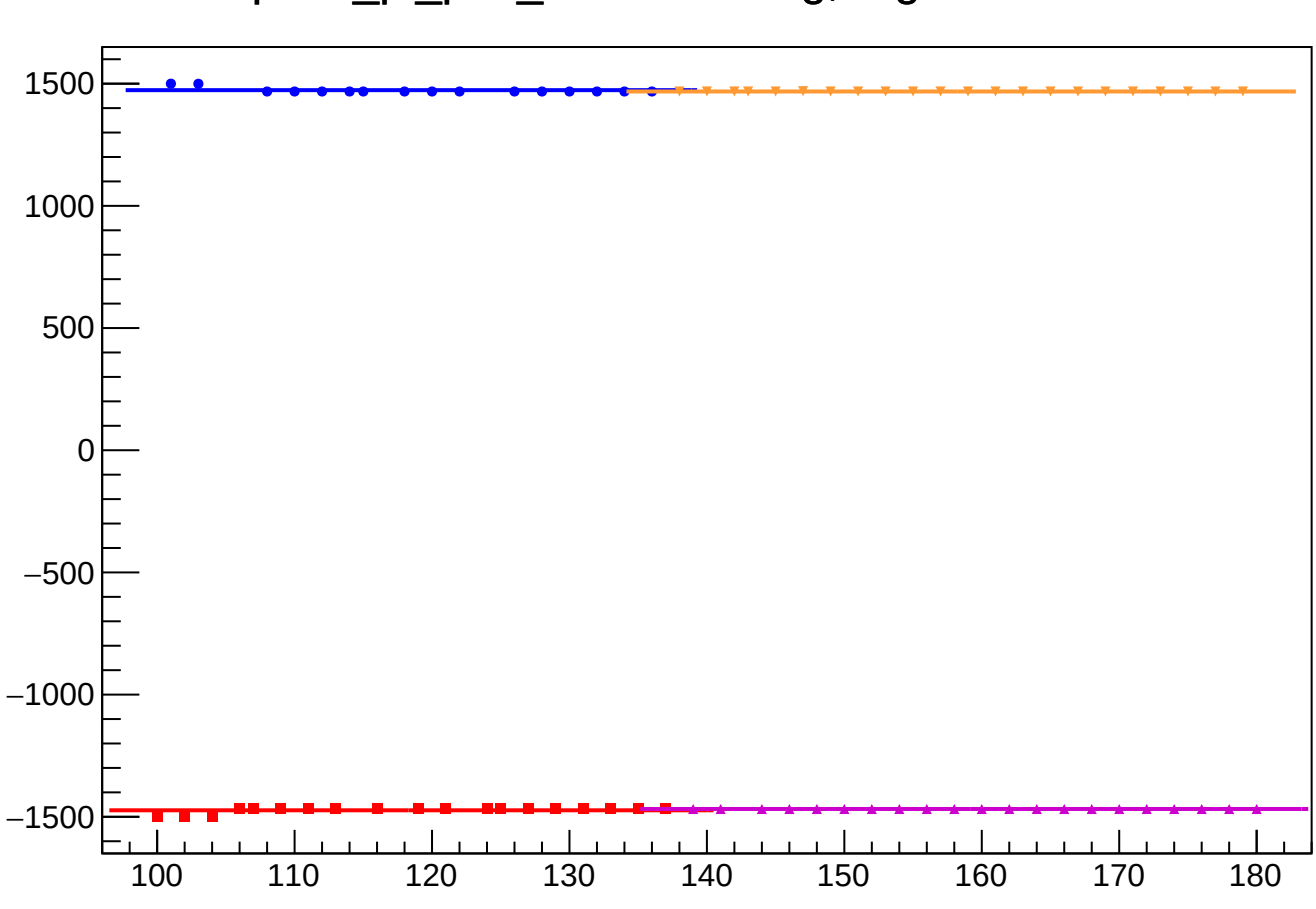
Left: -0.230+/-0.000 χ^2/NDF: 31767232680938533

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 12.475+/-0.000 χ^2/NDF:180962155665330881

Out: -12.305+/-0.000 χ^2/NDF:1856304662384451

All: -0.036+/-0.000 χ^2/NDF: 4451785011736



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.056+/-0.000 χ^2/NDF:13898793069881711089761008589209 6.0/21

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:15161649940393051534323718553 6.0/20

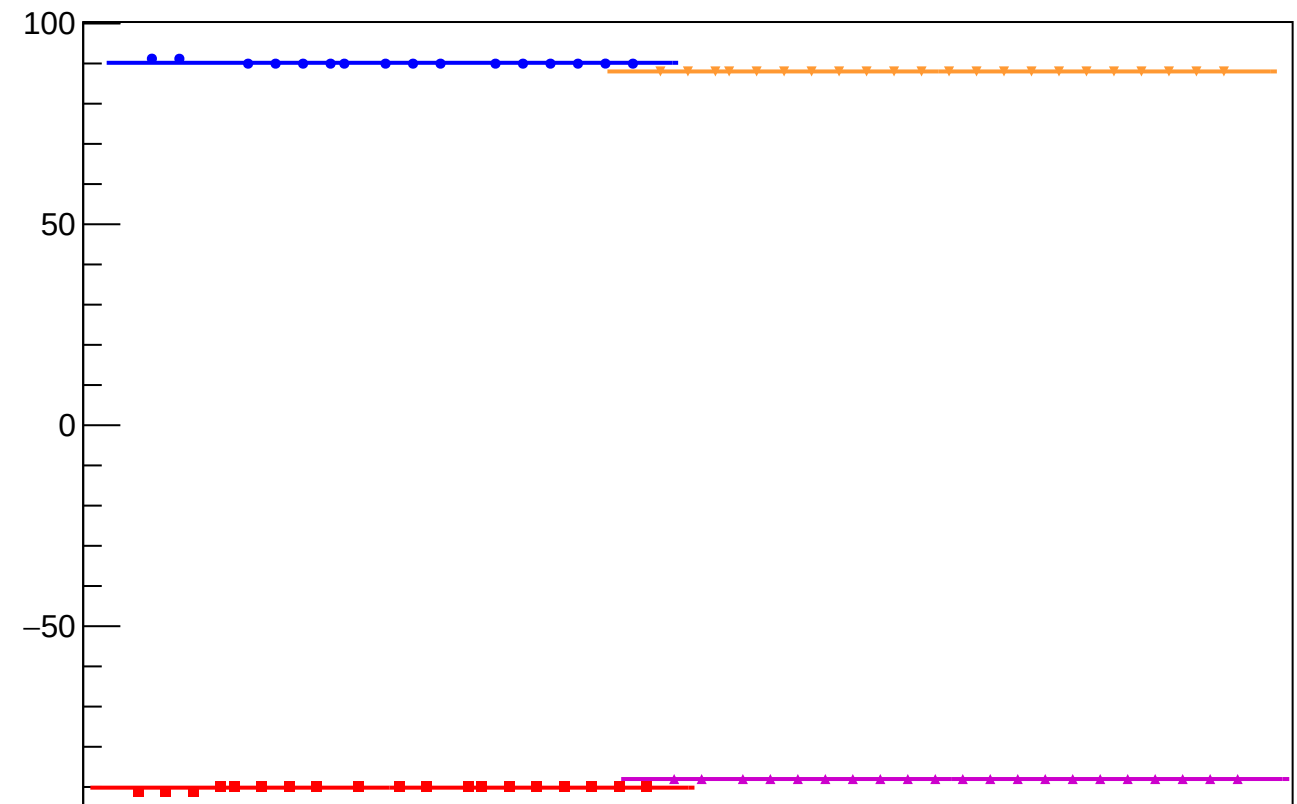
Left: 11.399+/-0.000 χ^2/NDF: 779236135567767 93

Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -608.182+/-0.000 χ^2/NDF:453731581395684 5

Out: 599.845+/-0.000 χ^2/NDF:465313165385982 9

All: 1.730+/-0.000 χ^2/NDF: 1105820949445 9



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3901239.0/21

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:6192343.5/20

Left: 0.682+/-0.000 χ^2/NDF: 280138015509285600

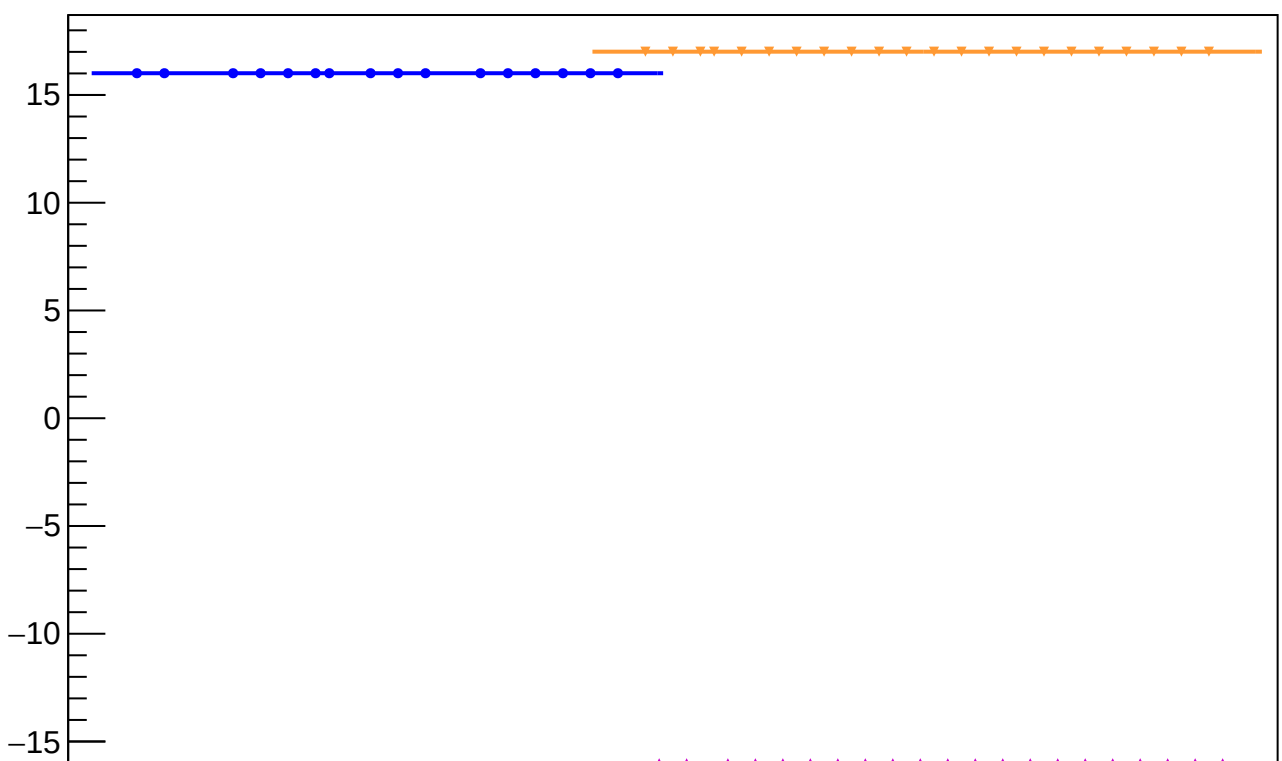
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -35.933+/-0.000 χ^2/NDF:16651385631009773

Out: 35.425+/-0.000 χ^2/NDF:17075816758673853

All: 0.094+/-0.000 χ^2/NDF: 4024444934937

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:2533290164133295377560371 2.0/21

Right Out: -17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

Left In: -16.009+/-0.000 χ^2/NDF:1243430930640212422819 84.0/20

Left: 0.554+/-0.000 χ^2/NDF: 9106044031326515 40

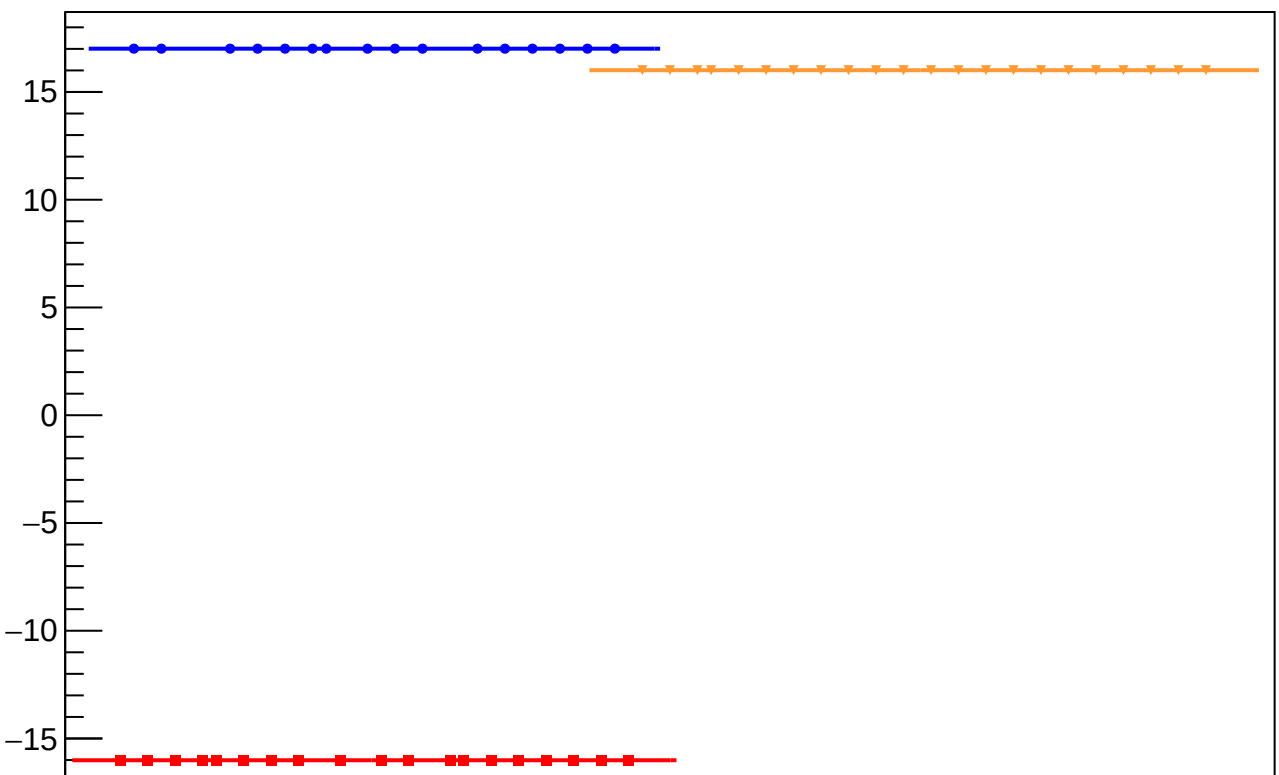
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: -6.513+/-0.000 χ^2/NDF:5062462131114624 06

Out: 7.058+/-0.000 χ^2/NDF:5673792471765537 65

All: 0.275+/-0.000 χ^2/NDF: 1291690876603

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:119490.3/21

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1106706984481048986910720/20

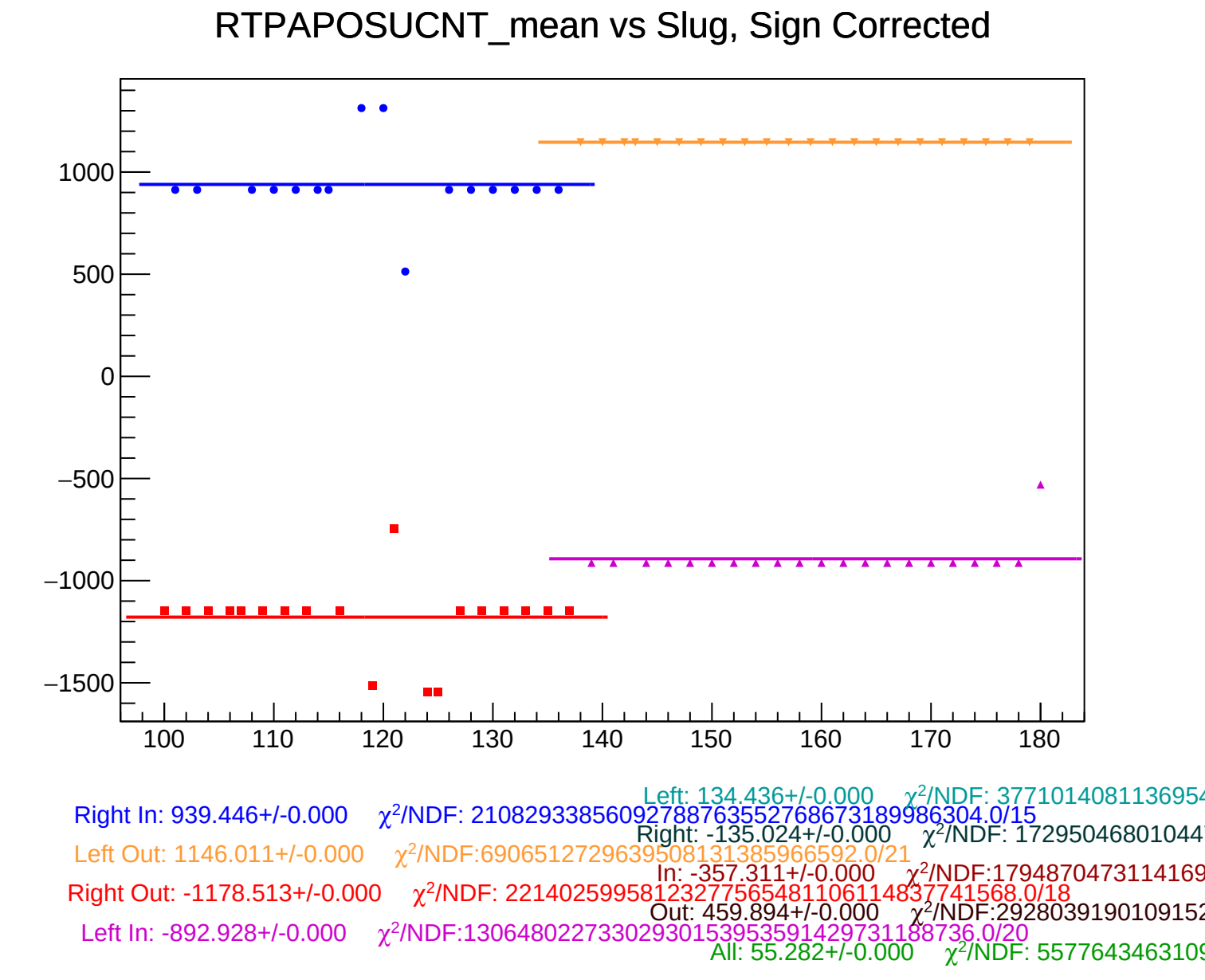
Left: -0.276+/-0.000 χ^2/NDF: 96577343748957617

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

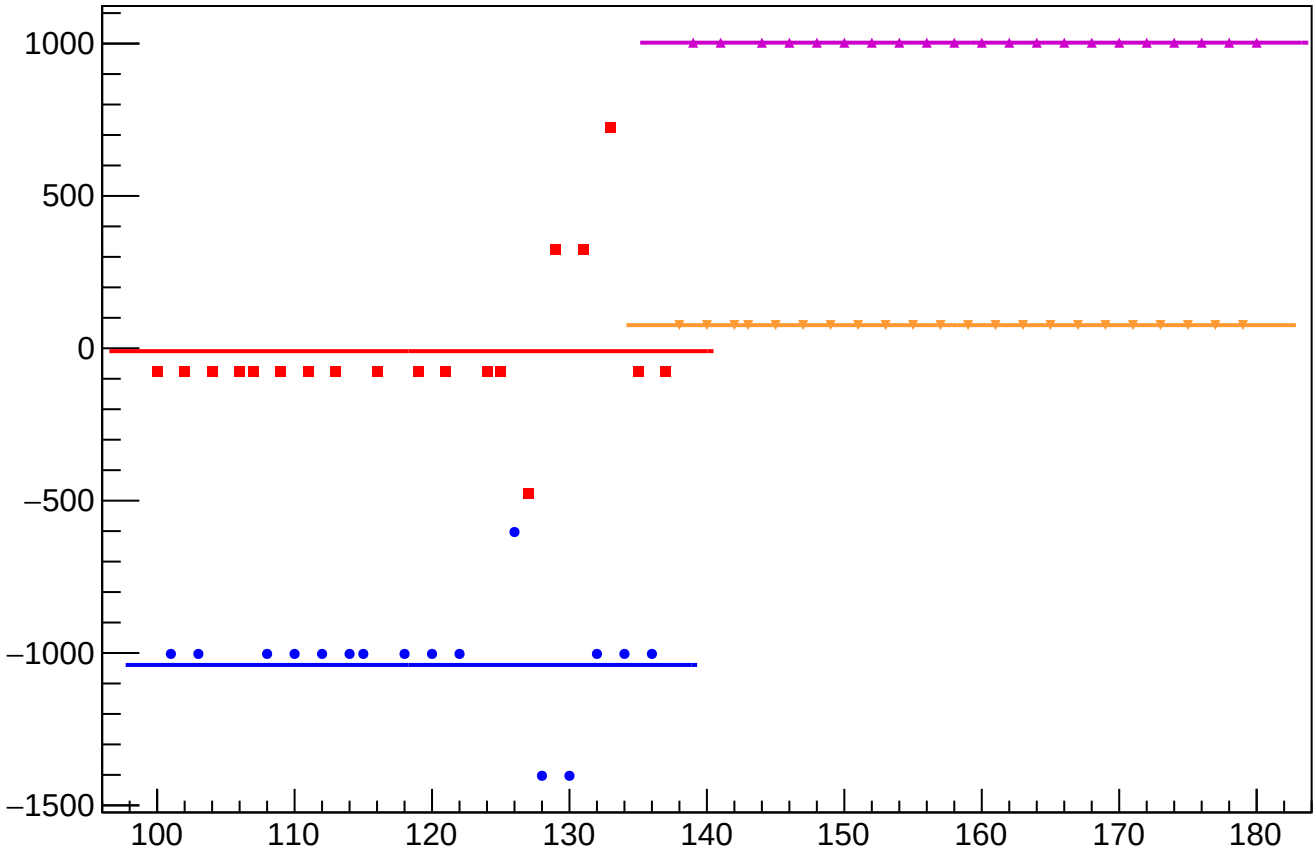
In: -7.213+/-0.000 χ^2/NDF:582567165398580752

Out: 6.498+/-0.000 χ^2/NDF:546973077118334702

All: -0.221+/-0.000 χ^2/NDF: 1364880632545


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.011+/-0.000 χ²/NDF:690651272963950813138596659 2.0/21
Right Out: -1178.513+/-0.000 χ²/NDF: 221402599581232775654811061148 37741568.0/18
Left In: -892.928+/-0.000 χ²/NDF:13064802273302930153953591429731188736.0/20
Left: 134.436+/-0.000 χ²/NDF: 3771014081136954
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: -357.311+/-0.000 χ²/NDF:1794870473114169
Out: 459.894+/-0.000 χ²/NDF:2928039190109152
All: 55.282+/-0.000 χ²/NDF: 557764346310

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 535.911+/-0.000 χ^2/NDF: 7767508820493240

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Right: -516.762+/-0.000 χ^2/NDF: 467529284129883

Left Out: 76.011+/-0.000 χ^2/NDF:10148658138728192048730472448.0/21

In: 406.055+/-0.000 χ^2/NDF:2209808100852306

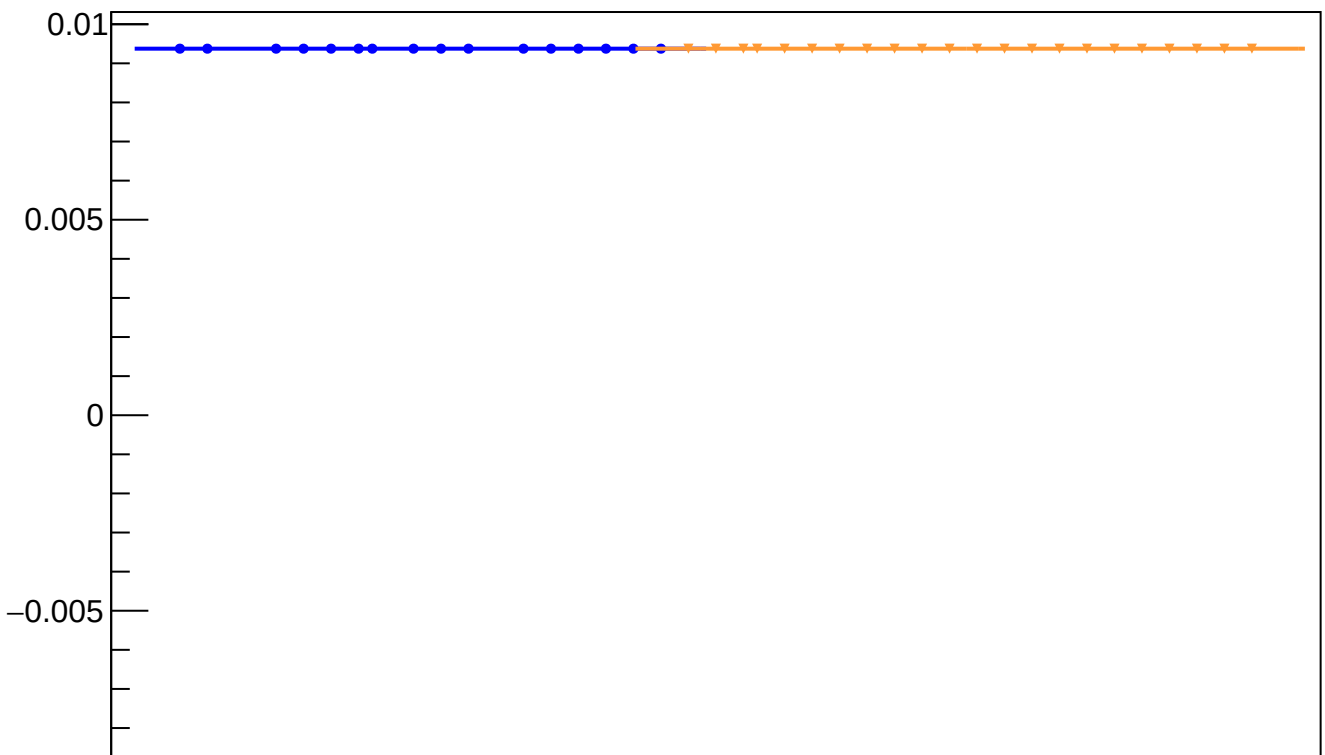
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 50.792+/-0.000 χ^2/NDF:49983349059378972

Left In: 1002.990+/-0.000 χ^2/NDF:26848424932820696253710991360.0/20

All: 226.689+/-0.000 χ^2/NDF: 24213267845

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:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/20

Left: 0.000+/-0.000 χ^2/NDF: 317793444068029974

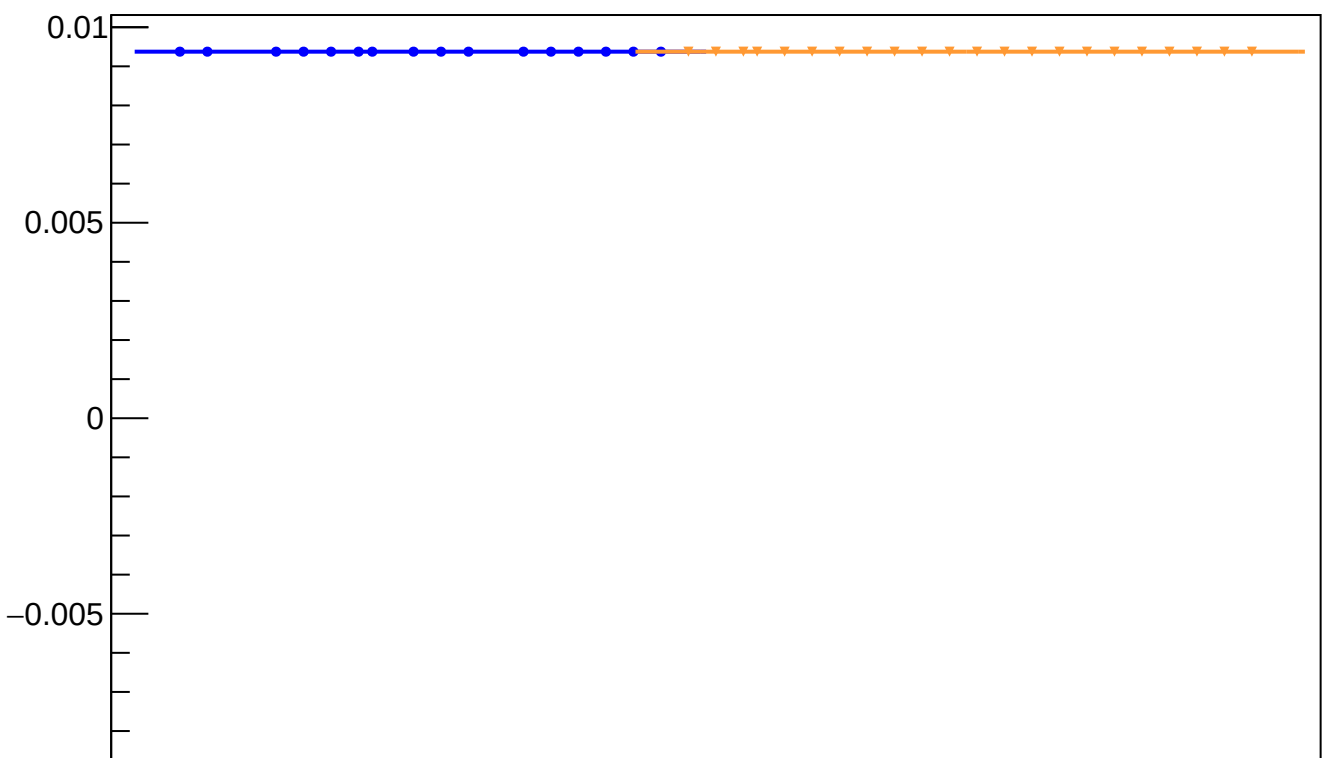
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:184359374999999549

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4499993820190

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:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/20

Left: 0.000+/-0.000 χ^2/NDF: 317793444068029974

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:184359374999999549

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4499993820190